

## TEST REPORT

### RADIOCOMMUNICATIONS TESTING

**SKYROCKET H.K. LIMITED**

**18723**

**POE THE AI STORY BEAR**

**2.4GHz Transceiver**

**TEST REPORT: 24041327HKG-001**

**Test Engineer:**

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Assistant Engineer

Signed On File

**Approved by:**

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Assistant Supervisor

**Date:**

31 May 2024

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## TEST REPORT

### RADIO PERFORMANCE MEASUREMENTS RESULT SUMMARY

For FHSS Device	ETSI EN 300 328		Compliance
	Clause Number		
RF Output Power	4.3.1.2	5.4.2	Complied
Duty Cycle, Tx-sequence, Tx-gap	4.3.1.3	5.4.2	Not Applicable
Accumulated Transmit Time, Frequency Occupation and Hopping Sequence	4.3.1.4	5.4.4	Complied
Hopping Frequency Separation	4.3.1.5	5.4.5	Complied
Medium Utilisation (MU) factor	4.3.1.6	5.4.2	Not Applicable
Adaptivity	4.3.1.7	5.4.6	Not Applicable
Occupied Channel Bandwidth	4.3.1.8	5.4.7	Complied
Transmitter Unwanted Emissions in the Out-of-Band Domain	4.3.1.9	5.4.8	Complied
Transmitter Unwanted Emissions in the Spurious Domain	4.3.1.10	5.4.9	Complied
Receiver Spurious Emissions	4.3.1.11	5.4.10	Complied
Receiver Blocking	4.3.1.12	5.4.11	Complied
Geo-location Capability	4.3.1.13	Not Applicable	Not Applicable

Decision Rule for compliance: For FCC/IC standard, the measured value must be within the limits of applicable standard without accounting for the measurement uncertainty. For EN/IEC/HKTA/HKTC standard, conformity rules will be used as per standard directly excepted EN/IEC 61000-3-2, EN/IEC 61000-3-3, HKTA1004, HKCA1008, HKTA1019, HKTA1020, HKTA1041 and HKTA1044. For these excepted or not mentioned standards, Cl 4.2.2 of ILAC-G8:09/2019 decision rules will be reference and guard band will be equal to our measurement uncertainty with 95% confidence level (k=2). In case, the measured value is within guard band region, undetermined decision will be used.

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**RADIO PERFORMANCE MEASUREMENTS RESULT SUMMARY**

<b>For Non-FHSS Device</b>	<b>ETSI EN 300 328</b>		<b>Compliance</b>
	<b>Clause Number</b>		
RF Output Power	4.3.2.2	5.4.2	Complied
Power Spectral Density	4.3.2.3	5.4.3	Complied
Duty Cycle, Tx-sequence, Tx-gap	4.3.2.4	5.4.2	Not Applicable
Medium Utilisation (MU) factor	4.3.2.5	5.4.2	Not Applicable
Adaptivity	4.3.2.6	5.4.6	Not Applicable
Occupied Channel Bandwidth	4.3.2.7	5.4.7	Complied
Transmitter Unwanted Emissions in the Out-of-Band Domain	4.3.2.8	5.4.8	Complied
Transmitter Unwanted Emissions in the Spurious Domain	4.3.2.9	5.4.9	Complied
Receiver Spurious Emissions	4.3.2.10	5.4.10	Complied
Receiver Blocking	4.3.2.11	5.4.11	Complied
Geo-location Capability	4.3.2.12	Not Applicable	Not Applicable

## TEST REPORT

### EQUIPMENT UNDER TEST (EUT) INFORMATION

<b>Applicant:</b>	Skyrocket H.K. Limited Room 1203, 12/F., Peninsula Centre, 67 Mody Road, Tsim Sha Tsui East, Kowloon, Hong Kong.
<b>Description of EUT:</b>	Poe the AI Story Bear
<b>Type Number(s):</b>	18723
<b>Serial Number(s):</b>	Not Labelled
<b>Equipment Received:</b>	25 Apr 2024
<b>Test Date(s):</b>	25 Apr 2024 to 21 May 2024
<b>Size of EUT:</b>	23.0 (cm) x 13.0 (cm) x 30.0 (cm)
<b>Type of EUT:</b>	2.4GHz Transceiver
<b>Category of EUT:</b>	General use
<b>Test Specification(s):</b>	ETSI EN 300 328 V2.2.2 (2019-07)
<b>Test Site Location:</b>	Workshop No. 3, G/F., World-Wide Industrial Centre, 43-47 Shan Mei Street, Fo Tan, Sha Tin, N.T., Hong Kong SAR, China.
<b>Conclusion:</b>	Test was conducted by client submitted sample. The submitted sample as received complied with the Radiocommunications requirement.
<b>Remark:</b>	This test report covers the Bluetooth functions.

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### EXHIBIT 1 GENERAL DESCRIPTION

#### 1 INTRODUCTION

Intertek Testing Services Hong Kong Limited (Intertek) has tested the Skyrocket H.K. Limited, Poe the AI Story Bear, Model: 18723. The sample was tested to the relevant performance specification published by the European Telecommunications Standards Institute. This report contains the results of these tests and is submitted to Skyrocket H.K. Limited as the final test results.

The production units are required to conform to the initial sample as received when the units are placed on the market.

#### 2 TEST SPECIFICATION

##### 2.1 RELEVANT PERFORMANCE SPECIFICATION

The relevant performance specifications for Skyrocket H.K. Limited, Poe the AI Story Bear, Model: 18723 is ETSI EN 300 328 V2.2.2. The harmonised standards are ETSI EN 300 328 V2.2.2.

The tests performed are those required to demonstrate compliance with the essential requirements of Article 3.2 of the Radio Equipment Directive - RED for regulatory purposes.

##### 2.2 TEST ENVIRONMENT

The tests were performed in the Radiocommunications Test Facility at Intertek laboratory in Hong Kong. The sample was subjected to the ambient conditions in the laboratory and indoor test site except during tests at extremes of temperatures and the Radiated Emissions Tests. The temperature and relative humidity recorded during the period of each test are given in the results.

##### 2.3 CONFIGURATION OF TEST SAMPLE

The test sample consisted of one transceiver.

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### 2.4 TEST POWER SOURCES

The Transceiver is intended to operate from DC 6.0V (4 x 1.5V AA batteries).  
The test power source voltages declared by the manufacturer were:

Bluetooth 5.2 & Bluetooth 5.2 BLE

Nominal Test Voltage: 5.0VDC  
Lower Extreme Test Voltage: 4.0VDC  
Upper Extreme Test Voltage: 5.5VDC

### 2.5 TEST FREQUENCIES

Bluetooth 5.2

The sample supplied operated on 79 channels, nominally at 2402 -2480 MHz for transceiver. The channel is separated by 1 MHz channel spacing. The tests were carried out on 2402MHz, 2440MHz and 2480MHz of the frequency of the alignment range. 0, 40 and 78.

Bluetooth 5.2 BLE

The sample supplied operated on 40 channels, nominally at 2402 -2480 MHz for transceiver. The channel is separated by 2 MHz channel spacing. The tests were carried out on 2402MHz, 2440MHz and 2480MHz of the frequency of the alignment range. 1, 20 and 40.

### 2.6 GENERAL REQUIREMENTS

#### 2.6.1 MODULATION

1. Manufacturer's declared operating temperature: 0°C to +45°C.
2. The product is a Poe the AI Story Bear with Bluetooth functions.

#### 2.6.2 ANTENNA

The antenna used in transceiver is internal, integral.

### 2.7 MEASUREMENT UNCERTAINTY

All measurement uncertainties stated in this report are estimated to a 95% confidence level.

### 2.8 SUPPORT EQUIPMENT – RADIO PERFORMANCE MEASUREMENTS

None.

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### EXHIBIT 2 TEST RESULT OF RADIO PERFORMANCE MEASUREMENTS

#### 3 RF OUTPUT POWER

##### 3.1 TEST METHOD AND SUMMARY

Basic Standard:	ETSI EN 300 328 V2.2.2
Test Specification Clause:	5.4.2
Requirement Clause:	4.3.1.2 / 4.3.2.2
Application:	Transmitter with an Integral or Dedicated Antenna

##### 3.2 EQUIPMENT LIST

Equipment No.	Equipment	Manufacturer	Calibration Date	Next Calibration Due Date
EW-2517	Temperature & Humidity Chamber	KINGSON	01 Apr 2022	30 Jun 2024
EW-3016	Spectrum Analyzer	R&S	29 Jan 2022	29 Jul 2024
EW-3309	Power Sensor	R&S	01 Dec 2021	01 Sep 2024
EW-1809	Digital Multimeter	FLUKE	11 Nov 2021	05 Aug 2024

**TEST REPORT**

**3.3 TEST RESULT – DC TEST VOLTAGE**

Operation Mode: Bluetooth 5.2

Temperature (°C) Humidity (%)	Voltage (VDC)	Tested Frequency (MHz)	Measured Power (dBm)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Ambient	V DC <sub>nom</sub> : 5.0V	2402-2480	-5.8	-5.8	20	-25.8
Tmin: 0°C Hmin: 0%	V DC <sub>max</sub> : 5.5V	2402-2480	-5.9	-5.9		-25.9
	V DC <sub>min</sub> : 4.0V	2402-2480	-5.8	-5.8		-25.8
Tmax: 45°C Hmin: 50%	V DC <sub>max</sub> : 5.5V	2402-2480	-5.3	-5.3		-25.3
	V DC <sub>min</sub> : 4.0V	2402-2480	-6.1	-6.1		-26.1

Antenna Gain

0.0dBi

Operation Mode: Bluetooth 5.2 BLE

Temperature (°C) Humidity (%)	Voltage (VDC)	Tested Frequency (MHz)	Measured Power (dBm)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Ambient	V DC <sub>nom</sub> : 5.0V	2402	-5.3	-5.3	20	-25.3
		2440	-7.0	-7.0		-27.0
		2480	-5.9	-5.9		-25.9
Tmin: 0°C Hmin: 0%	V DC <sub>max</sub> : 5.3V	2402	-6.0	-6.0		-26.0
		2440	-6.3	-6.3		-26.3
		2480	-5.4	-5.4		-25.4
	V DC <sub>min</sub> : 4.7V	2402	-5.6	-5.6		-25.6
		2440	-6.3	-6.3		-26.3
		2480	-6.8	-6.8		-26.8
Tmax: 45°C Hmin: 50%	V DC <sub>max</sub> : 5.3V	2402	-4.3	-4.3		-24.3
		2440	-6.9	-6.9		-26.9
		2480	-6.5	-6.5		-26.5
	V DC <sub>min</sub> : 4.7V	2402	-6.0	-6.0	-26.0	
		2440	-6.6	-6.6	-26.6	
		2480	-6.4	-6.4	-26.4	

Antenna Gain

0.0dBi

- Notes:
1. Negative sign (-) in the margin column signify levels below the limit.
  2. Measurement Uncertainty of the output power: ±0.99dB.
  3. Measurement Uncertainty of the AC/DC voltage: ±3%.
  4. Conducted Measurement was preformed for this test.

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### 4 POWER SPECTRAL DENSITY

#### 4.1 TEST METHOD AND SUMMARY

Basic Standard:	ETSI EN 300 328 V2.2.2
Test Specification Clause:	5.4.3
Requirement Clause:	4.3.2.3
Application:	Transmitter with an Integral or Dedicated Antenna

#### 4.2 EQUIPMENT LIST

Equipment No.	Equipment	Manufacturer	Calibration Date	Next Calibration Due Date
EW-3016	Spectrum Analyzer	R&S	29 Jan 2022	29 Jul 2024
EW-3309	Power Sensor	R&S	01 Dec 2021	01 Sep 2024

#### 4.3 RESULT OF POWER SPECTRAL DENSITY

##### 4.3.1 RADIATED

Not Applicable

##### 4.3.2 CONDUCTED

Test Conditions: Temperature: 23°C; Humidity: 50%

Operation Mode	Result	Refer to
Bluetooth 5.2	Not Applicable	Not Applicable
Bluetooth 5.2 BLE	Complied	Annex B

- Notes:
1. Measurement Uncertainty:  $\pm 0.99\%$
  2. Conducted Measurement was preformed for this test.

**TEST REPORT**

**5 DUTY CYCLE, TX-SEQUENCE, TX-GAP**

5.1 TEST METHOD AND SUMMARY

Basic Standard:	ETSI EN 300 328 V2.2.2
Test Specification Clause:	5.4.2
Requirement Clause:	4.3.1.3 / 4.3.2.4
Application:	Transmitters operating non-adaptive mode and the declared RF output power is greater than 10dBm e.i.r.p.
Test Conclusion :	Since the EUT is operating at adaptive mode and/or the measured RF output power is lower than 10dBm e.i.r.p., so these requirements do not apply for this EUT.

5.2 EQUIPMENT LIST

Not Applicable

5.2.1 RESULT OF DUTY CYCLE, TX-SEQUENCE AND TX-GAP

Not Applicable

5.3 RESULT SUMMARY

Testing Items	Result
Duty Cycle	Not Applicable
Tx-Sequence	Not Applicable
Tx-Gap	Not Applicable

**TEST REPORT**

**6 ACCUMULATED TRANSMIT TIME, FREQUENCY OCCUPATION AND HOPPING SEQUENCE**

**6.1 TEST METHOD AND SUMMARY**

Basic Standard:	ETSI EN 300 328 V2.2.2
Test Specification Clause:	5.4.4
Requirement Clause:	4.3.1.4
Application:	All Transmitters (FHSS)

**6.2 EQUIPMENT LIST**

Equipment No.	Equipment	Manufacturer	Calibration Date	Next Calibration Due Date
EW-3016	Spectrum Analyzer	R&S	29 Jan 2022	29 Jul 2024
EW-3309	Power Sensor	R&S	01 Dec 2021	01 Sep 2024

**6.3 TEST RESULT**

**6.3.1 RESULT OF ACCUMULATED TRANSMIT TIME**

**6.3.1.1 RADIATED**

Not Applicable

**6.3.1.2 CONDUCTED**

Test Conditions: Temperature: 23°C; Humidity: 50%

Operation Mode	Result	Refer to
Bluetooth 5.2	Complied	Annex A
Bluetooth 5.2 BLE	Not Applicable	Not Applicable

- Notes:
1. Measurement Uncertainty:  $\pm 0.05\%$
  2. The worst modulation type of the EUT was discovered when GFSK was operated.

**TEST REPORT**

6.3.2 RESULT OF FREQUENCY OCCUPATION

6.3.2.1 RADIATED

Not Applicable

6.3.2.2 CONDUCTED

Test Conditions: Temperature: 23°C; Humidity: 50%

Operation Mode	Result	Refer to
Bluetooth 5.2	Complied	Annex A
Bluetooth 5.2 BLE	Not Applicable	Not Applicable

- Sweep time = 4 x Accumulated Transmit Time x Actual number of hopping frequencies in use.

Notes: 1. Measurement Uncertainty:  $\pm 0.15\%$   
2. The worst modulation type of the EUT was discovered when GFSK was operated.

6.3.3 RESULT OF HOPPING SEQUENCE

6.3.3.1 RADIATED

Not Applicable

6.3.3.2 CONDUCTED

Test Conditions: Temperature: 23°C; Humidity: 50%

Operation Mode	Result	Refer to
Bluetooth 5.2	Complied	Annex A
Bluetooth 5.2 BLE	Not Applicable	Not Applicable

Notes: 1. Measurement Uncertainty:  $\pm 0.05\%$   
2. The worst modulation type of the EUT was discovered when GFSK was operated.

6.3.4 RESULT SUMMARY

Test Items	Test Result
Accumulated Transmit Time	Complied
Frequency Occupation	Complied
Hopping Sequence	Complied

## TEST REPORT

### 7 HOPPING FREQUENCY SEPARATION

#### 7.1 TEST METHOD AND SUMMARY

Basic Standard:	ETSI EN 300 328 V2.2.2
Test Specification Clause:	5.4.5
Requirement Clause:	4.3.1.5
Application:	All Transmitters (FHSS)

#### 7.2 EQUIPMENT LIST

Equipment No.	Equipment	Manufacturer	Calibration Date	Next Calibration Due Date
EW-3016	Spectrum Analyzer	R&S	29 Jan 2022	29 Jul 2024
EW-3309	Power Sensor	R&S	01 Dec 2021	01 Sep 2024

#### 7.3 RESULTS OF HOPPING FREQUENCY SEPARATION

##### 7.3.1 RADIATED

Not Applicable

##### 7.3.2 CONDUCTED

Test Conditions: Temperature: 23°C; Humidity: 50%

Operation Mode	Result	Refer to
Bluetooth 5.2	Complied	Annex A
Bluetooth 5.2 BLE	Not Applicable	Not Applicable

- Notes:
1. Measurement Uncertainty:  $\pm 0.6\%$
  2. The worst modulation type of the EUT was discovered when GFSK was operated.

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### 8 MEDIUM UTILISATION (MU) FACTOR

#### 8.1 TEST METHOD AND SUMMARY

Basic Standard:	ETSI EN 300 328 V2.2.2
Test Specification Clause:	5.4.2
Requirement Clause:	4.3.1.6 / 4.3.2.5
Application:	Transmitters operating non-adaptive mode and the declared RF output power is greater than 10dBm e.i.r.p.
Test Conclusion :	Since the EUT is operating at adaptive mode and/or the measured RF output power is lower than 10dBm e.i.r.p., so these requirements do not apply for this EUT.

#### 8.2 EQUIPMENT LIST

Not Applicable

#### 8.3 RESULT OF MEDIUM UTILISATION (MU) FACTOR

Not Applicable

## TEST REPORT

### 9 ADAPTIVITY

#### 9.1 TEST METHOD AND SUMMARY

Basic Standard:	ETSI EN 300 328 V2.2.2
Test Specification Clause:	5.4.6
Requirement Clause:	4.3.1.7 / 4.3.2.6
Application:	All Transmitters

#### 9.2 EQUIPMENT LIST

Not Applicable

#### 9.3 RESULT OF ADAPTIVITY

Not Applicable

## TEST REPORT

### 10 OCCUPIED CHANNEL BANDWIDTH

#### 10.1 TEST METHOD AND SUMMARY

Basic Standard:	ETSI EN 300 328 V2.2.2
Test Specification Clause:	5.4.7
Requirement Clause:	4.3.1.8 / 4.3.2.7
Application:	All Transmitters

#### 10.2 EQUIPMENT LIST

Equipment No.	Equipment	Manufacturer	Calibration Date	Next Calibration Due Date
EW-3016	Spectrum Analyzer	R&S	29 Jan 2022	29 Jul 2024
EW-3309	Power Sensor	R&S	01 Dec 2021	01 Sep 2024

#### 10.3 RESULT OF OCCUPIED CHANNEL BANDWIDTH

##### 10.3.1 RADIATED

Not Applicable

##### 10.3.2 CONDUCTED

Test Conditions: Temperature: 23°C; Humidity: 50%

Operation Mode	Result	Refer to
Bluetooth 5.2	Complied	Annex A
Bluetooth 5.2 BLE	Complied	Annex B

- Notes:
1. Measurement Uncertainty:  $\pm 2.08\%$
  2. The worst modulation type of the EUT was discovered when GFSK was operated.

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**11 TRANSMITTER UNWANTED EMISSIONS IN THE OUT OF BAND DOMAIN**

11.1 TEST METHOD AND SUMMARY

Basic Standard:	ETSI EN 300 328 V2.2.2
Test Specification Clause:	5.4.8
Requirement Clause:	4.3.1.9 / 4.3.2.8
Application:	All Transmitters

11.2 EQUIPMENT LIST

Equipment No.	Equipment	Manufacturer	Calibration Date	Next Calibration Due Date
EW-3016	Spectrum Analyzer	R&S	29 Jan 2022	29 Jul 2024
EW-3309	Power Sensor	R&S	01 Dec 2021	01 Sep 2024
EW-1809	Digital Multimeter	FLUKE	11 Nov 2021	05 Aug 2024
EW-2669	DC Power Supply	GW	Nil *	Nil *

\*The Equipment would be verified together with the test system before testing.

11.3 RESULT OF TRANSMITTER UNWANTED EMISSIONS IN THE OUT-OF-BAND DOMAIN

11.3.1 RADIATED

Not Applicable

11.3.2 CONDUCTED

Test Conditions: Temperature: 23°C; Humidity: 50%

Operation Mode	Result	Refer to
Bluetooth 5.2	Complied	Annex A
Bluetooth 5.2 BLE	Complied	Annex B

- Notes:
1. Negative sign (-) in the margin column signify levels below the limit.
  2. Measurement Uncertainty of the output power: ±0.89dB.
  3. Measurement Uncertainty of the AC/DC voltage: ±3%.
  4. Temperature Uncertainty of the Chamber : ±1°C.
  5. Conducted Measurement was preformed for this test.

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### 12 TRANSMITTER UNWANTED EMISSIONS IN THE SPURIOUS DOMAIN

#### 12.1 TEST METHOD AND SUMMARY

Basic Standard:	ETSI EN 300 328 V2.2.2
Test Specification Clause:	5.4.9
Requirement Clause:	4.3.1.10 / 4.3.2.9
Application:	All Transmitters

#### 12.2 EQUIPMENT LIST

Equipment No.	Equipment	Manufacturer	Calibration Date	Next Calibration Due Date
EW-1015	Double Ridged Guide Antenna (1GHz – 18GHz)	EMCO	10 May 2021	10 Aug 2024
EW-3408	BiConiLog Antenna (30MHz – 6GHz)	EMCO	01 Jun 2022	01 Sep 2024
EW-2074	14m Double Shield RF Cable (20MHz – 6GHz)	RADIALL	10 Dec 2021	10 Jun 2024
EW-3271	Double Shield RF Cable (1GHz – 26.5GHz)	RADIALL	24 Nov 2021	24 Aug 2024

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12.3 RESULT OF TRANSMITTER UNWANTED EMSSIONS IN THE SPURIOUS DOMAIN

12.3.1 RADIATED

12.3.2 The test result of ERP from 30MHz to 1GHz

Test Conditions: Temperature: 23°C; Humidity: 50%  
Operating Mode: Only worst case was shown on test report.

Operation Mode	Result	Refer to
Bluetooth 5.2	Complied	Annex E
Bluetooth 5.2 BLE	Complied	Annex E

- Notes:
1. Negative sign (-) in the margin column signify levels below the limit.
  2. Measurement Uncertainty of the output power:  $\pm 5.3$ dB.
  3. The worst modulation type of the EUT was discovered when GFSK was operated

12.3.3 The test result of ERP from 1GHz to 12.75GHz

Test Conditions: Temperature: 23°C; Humidity: 50%  
Operating Mode: Only worst case was shown on test report.

Operation Mode	Result	Refer to
Bluetooth 5.2	Complied	Annex E
Bluetooth 5.2 BLE	Complied	Annex E

- Notes:
1. Negative sign (-) in the margin column signify levels below the limit.
  2. Measurement Uncertainty of the output power:  $\pm 5.3$ dB.
  3. The worst modulation type of the EUT was discovered when GFSK was operated

12.3.4 CONDUCTED

Not Applicable

**TEST REPORT****13 RECEIVER SPURIOUS EMISSIONS****13.1 TEST METHOD AND SUMMARY**

Basic Standard:	ETSI EN 300 328 V2.2.2
Test Specification Clause:	5.4.10
Requirement Clause:	4.3.1.11 / 4.3.2.10
Application:	All Transceivers

**13.2 EQUIPMENT LIST**

<b>Equipment No.</b>	<b>Equipment</b>	<b>Manufacturer</b>	<b>Calibration Date</b>	<b>Next Calibration Due Date</b>
EW-1015	Double Ridged Guide Antenna (1GHz – 18GHz)	EMCO	10 May 2021	10 Aug 2024
EW-3408	BiConiLog Antenna (30MHz – 6GHz)	EMCO	01 Jun 2022	01 Sep 2024
EW-2074	14m Double Shield RF Cable (20MHz – 6GHz)	RADIALL	10 Dec 2021	10 Jun 2024
EW-3271	Double Shield RF Cable (1GHz – 26.5GHz)	RADIALL	24 Nov 2021	24 Aug 2024

**TEST REPORT**

13.3 RESULT OF RECEIVER SPURIOUS EMISSIONS

13.3.1 RADIATED

13.3.2 The test result of ERP from 30MHz to 1GHz

Test Conditions: Temperature: 23°C; Humidity: 50%  
Operating Mode: Only worst case was shown on test report.

Operation Mode	Result	Refer to
Bluetooth 5.2	Complied	Annex E
Bluetooth 5.2 BLE	Complied	Annex E

- Notes:
1. Negative sign (-) in the margin column signify levels below the limit.
  2. Measurement Uncertainty of the output power:  $\pm 5.3$ dB.
  3. The worst modulation type of the EUT was discovered when GFSK was operated

13.3.3 The test result of ERP from 1GHz to 12.75GHz

Test Conditions: Temperature: 23°C; Humidity: 50%  
Operating Mode: Only worst case was shown on test report.

Operation Mode	Result	Refer to
Bluetooth 5.2	Complied	Annex E
Bluetooth 5.2 BLE	Complied	Annex E

- Notes:
1. Negative sign (-) in the margin column signify levels below the limit.
  2. Measurement Uncertainty of the output power:  $\pm 5.3$ dB.
  3. The worst modulation type of the EUT was discovered when GFSK was operated

13.3.4 CONDUCTED

Not Applicable

**TEST REPORT**

**14 RECEIVER BLOCKING**

14.1 TEST METHOD AND SUMMARY

Basic Standard:	ETSI EN 300 328 V2.2.2
Test Specification Clause:	5.4.11
Requirement Clause:	4.3.1.12 / 4.3.2.11
Application:	All Receivers

14.2 EQUIPMENT LIST

Equipment No.	Equipment	Manufacturer	Calibration Date	Next Calibration Due Date
EW-3016	Spectrum Analyzer	R&S	29 Jan 2022	29 Jul 2024
EW-3309	Power Sensor	R&S	01 Dec 2021	01 Sep 2024
EW-2985	Signal Generator (100kHz to 40GHz)	ROHDESCHWARZ	15 Oct 2021	15 Jul 2024

14.3 RESULT OF RECEIVER BLOCKING

14.3.1 RADIATED

Not Applicable

14.3.2 CONDUCTED

Blocking Signal Frequency (MHz)	Blocking Signal Power (dBm)	P <sub>min</sub>		Limit*	Pass/Fail
		Lowest	Highest		
2380	-34	-59	-59	*	Pass
2504				*	Pass
2300				*	Pass
2584				*	Pass

\*Manufacturer declared the performance criteria as below:

Connection breaks off during the interferer apply

- Notes:
1. Manufacturer declared the performance criteria as: connection breaks off during the interferer apply
  2. Measurement Uncertainty of the output power: ±5.3dB.

**TEST REPORT**

**EXHIBIT 3 PHOTO OF EUT**

**15 EUT PHOTO**

External Photo



## EN 300 328 2.2.2

### Summary

Test	Frequency (MHz)	Nominal Power (dBm)	Nominal Bandwidth (MHz)
RF output power, Duty Cycle, Tx-sequence, Tx-gap	--- (hopping)	0.0	1.000000
Hopping Sequence	--- (hopping)	0.0	1.000000
Frequency Occupation	2402.000 (hopping)	0.0	1.000000
Accumulated Transmit Time	2402.000 (hopping)	0.0	1.000000
Frequency Occupation	2480.000 (hopping)	0.0	1.000000
Accumulated Transmit Time	2480.000 (hopping)	0.0	1.000000
Hopping Frequency Separation	2402.000 (hopping)	0.0	1.000000
Occupied Channel Bandwidth	2402.000 (single)	0.0	1.000000
Occupied Channel Bandwidth	2480.000 (single)	0.0	1.000000
Tx unwanted emissions in the out-of-band domain	--- (hopping)	0.0	1.000000

(continuation of the "Summary" table from column 4 ...)

Test	Result
RF output power, Duty Cycle, Tx-sequence, Tx-gap	PASS
Hopping Sequence	PASS
Frequency Occupation	PASS
Accumulated Transmit Time	PASS
Frequency Occupation	PASS
Accumulated Transmit Time	PASS
Hopping Frequency Separation	PASS
Occupied Channel Bandwidth	PASS
Occupied Channel Bandwidth	PASS
Tx unwanted emissions in the out-of-band domain	PASS

## Hopping Sequence (frequency independent; 0.000 dBm; 1 MHz)

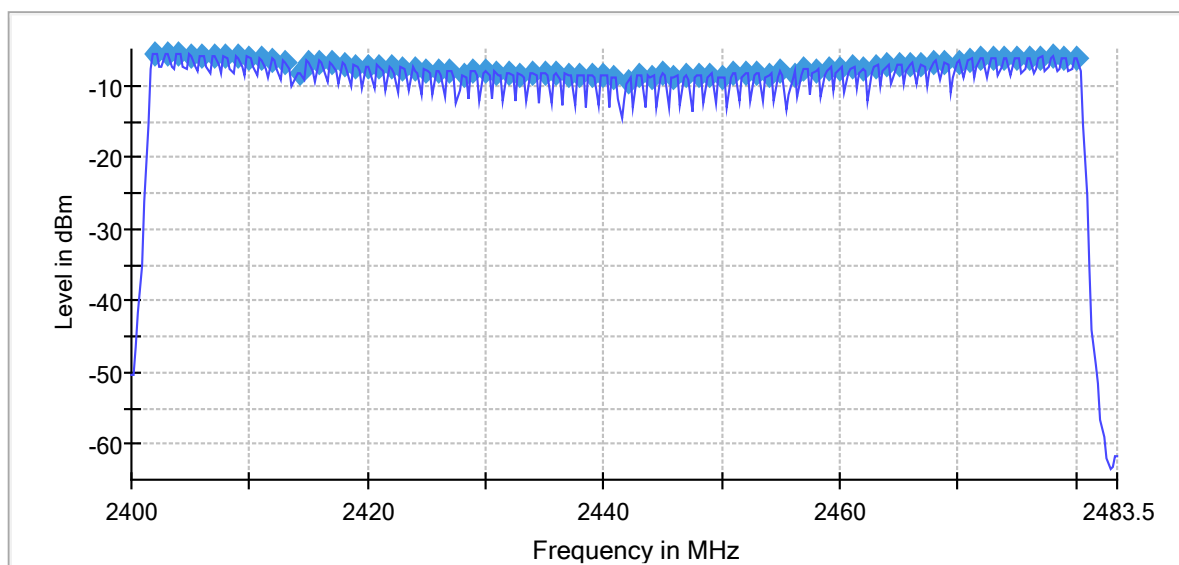
### Hopping Frequencies

Hopping Frequencies	Limit Min	Limit Max	Result
79	15	---	PASS

### Band Allocation

Band Allocation (MHz)	Band Allocation Low Frequency (MHz)	Band Allocation High Frequency (MHz)	Limit Min	Limit Max	Result
79.511940	2401.370896	2480.882836	58450000	---	PASS

Sequence

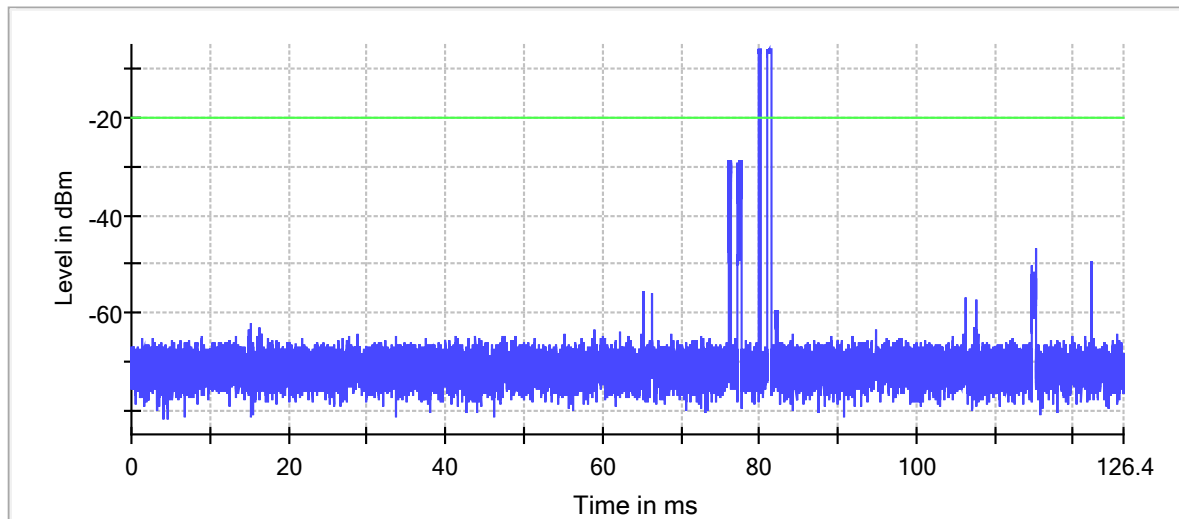


## Frequency Occupation (2402 MHz; 0.000 dBm; 1 MHz)

### Result

DUT Frequency (MHz)	Result	Time (ms)	Limit Max (ms)	Limit Min (ms)	Threshold (dBm)
2402.000000	PASS	0.780	---	0.000	-20.0

Frequency Occupation



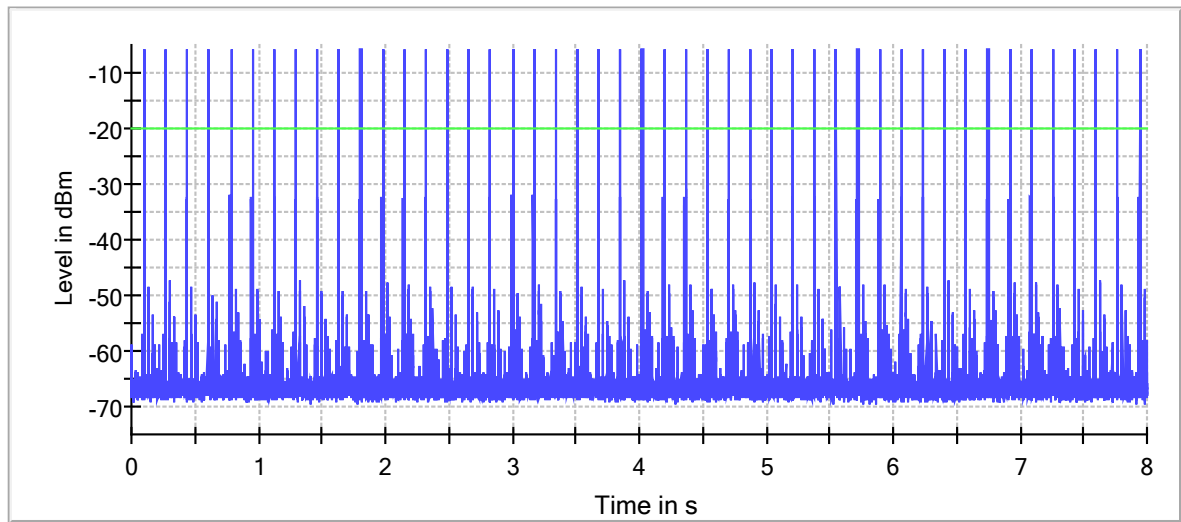
— Trace    — Threshold

### Accumulated Transmit Time (2402 MHz; 0.000 dBm; 1 MHz)

#### Result

DUT Frequency (MHz)	Result	Time (ms)	Limit Max (ms)	Limit Min (ms)	Threshold (dBm)
2402.000000	PASS	31.223	400.000	---	-20.0

Accumulated Transmit Time



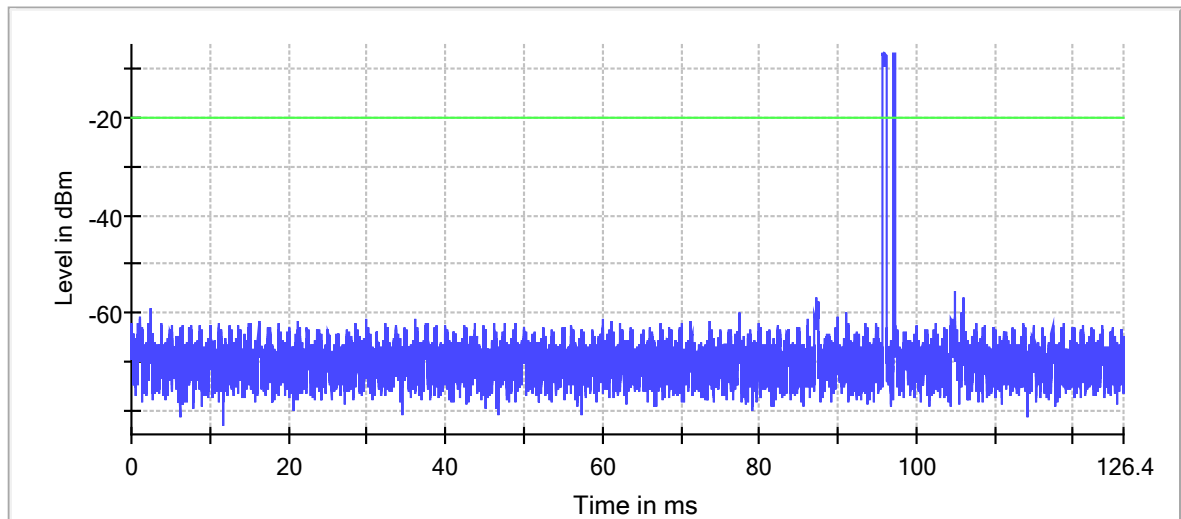
— Trace      — Threshold

### Frequency Occupation (2480 MHz; 0.000 dBm; 1 MHz)

#### Result

DUT Frequency (MHz)	Result	Time (ms)	Limit Max (ms)	Limit Min (ms)	Threshold (dBm)
2480.000000	PASS	0.780	---	0.000	-20.0

Frequency Occupation



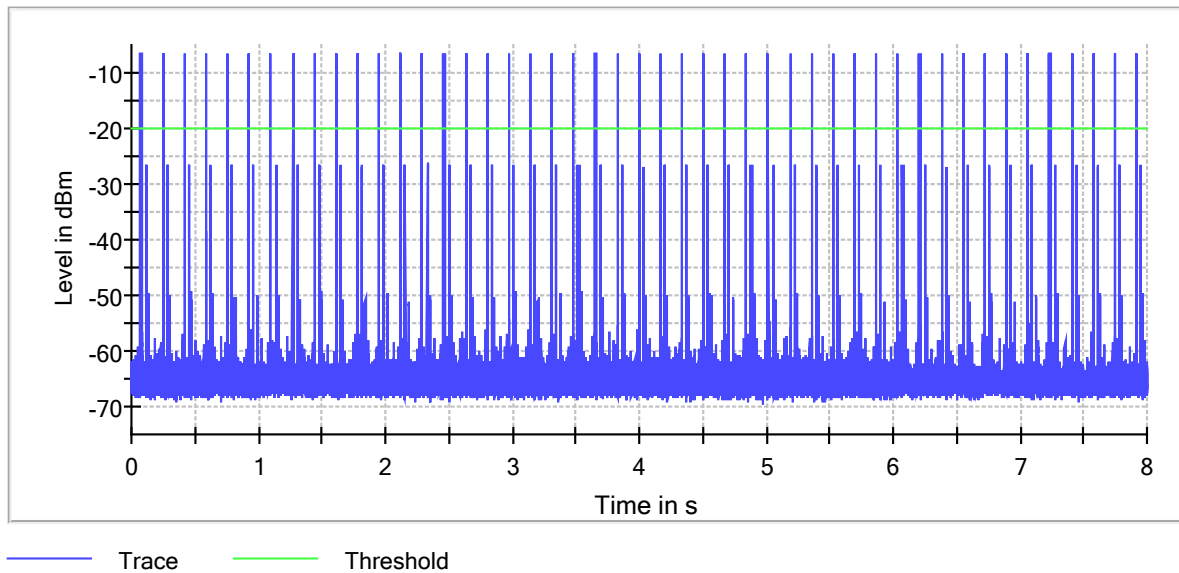
— Trace    — Threshold

## Accumulated Transmit Time (2480 MHz; 0.000 dBm; 1 MHz)

### Result

DUT Frequency (MHz)	Result	Time (ms)	Limit Max (ms)	Limit Min (ms)	Threshold (dBm)
2480.000000	PASS	30.425	400.000	---	-20.0

Accumulated Transmit Time



## Hopping Frequency Separation (2402 MHz; 0.000 dBm; 1 MHz)

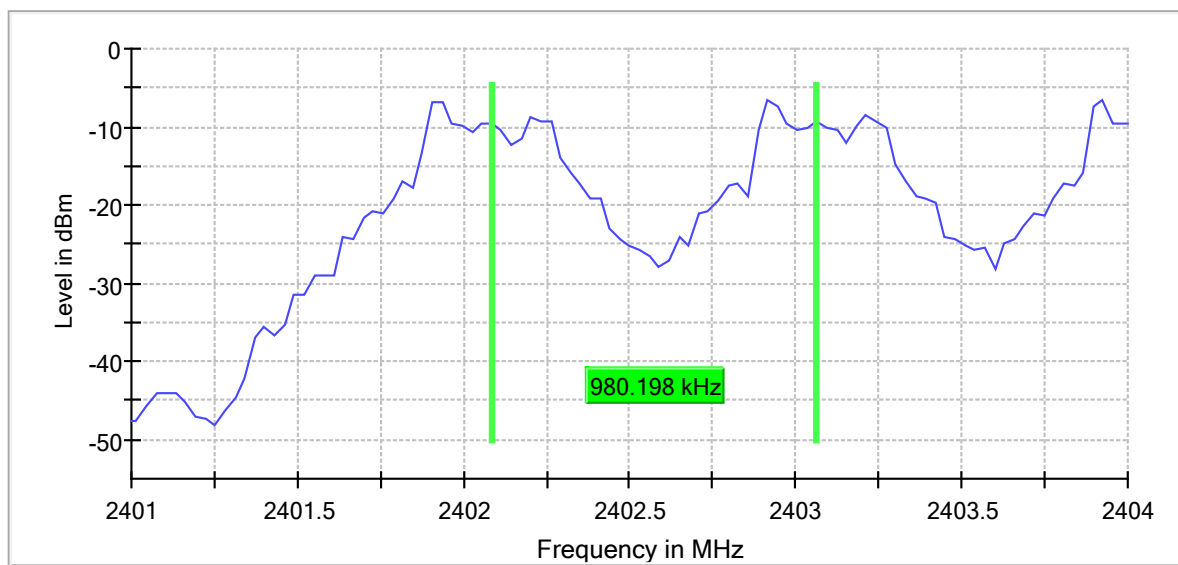
### Result

DUT Frequency (MHz)	Frequency Separation (MHz)	Limit Min (MHz)	Limit Max (MHz)	Center Frequency low Channel (MHz)	Center Frequency high Channel (MHz)
2402.000000	0.980198	0.100000	---	2402.084158	2403.064356

(continuation of the "Result" table from column 6 ...)

DUT Frequency (MHz)	Result
2402.000000	PASS

HFS



## Occupied Channel Bandwidth (2402 MHz; 0.000 dBm; 1 MHz; Test Mode)

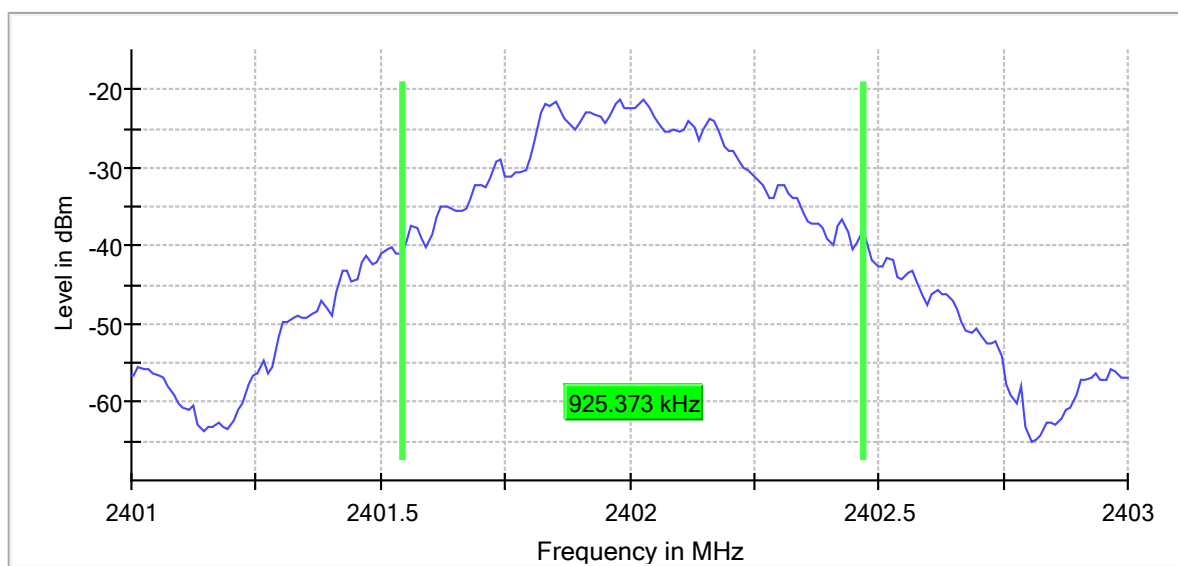
### 99 % Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Limit Min BE L (MHz)
2402.000000	0.925373	---	---	2401.542289	2400.000000

(continuation of the "99 % Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Band Edge Right (MHz)	Limit Max BE R (MHz)	Result
2402.000000	2402.467662	2483.500000	PASS

99 % Bandwidth



## Occupied Channel Bandwidth (2480 MHz; 0.000 dBm; 1 MHz; Test Mode)

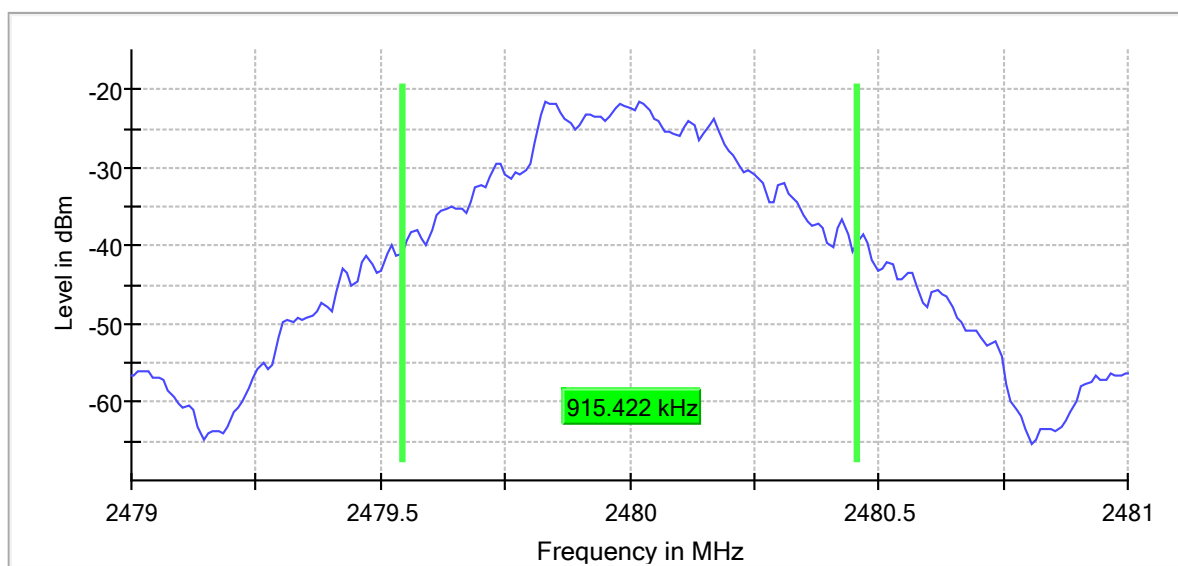
### 99 % Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Limit Min BE L (MHz)
2480.000000	0.915422	---	---	2479.542289	2400.000000

(continuation of the "99 % Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Band Edge Right (MHz)	Limit Max BE R (MHz)	Result
2480.000000	2480.457711	2483.500000	PASS

99 % Bandwidth



## Tx unwanted emissions in the out-of-band domain (frequency independent; 0.000 dBm; 1 MHz)

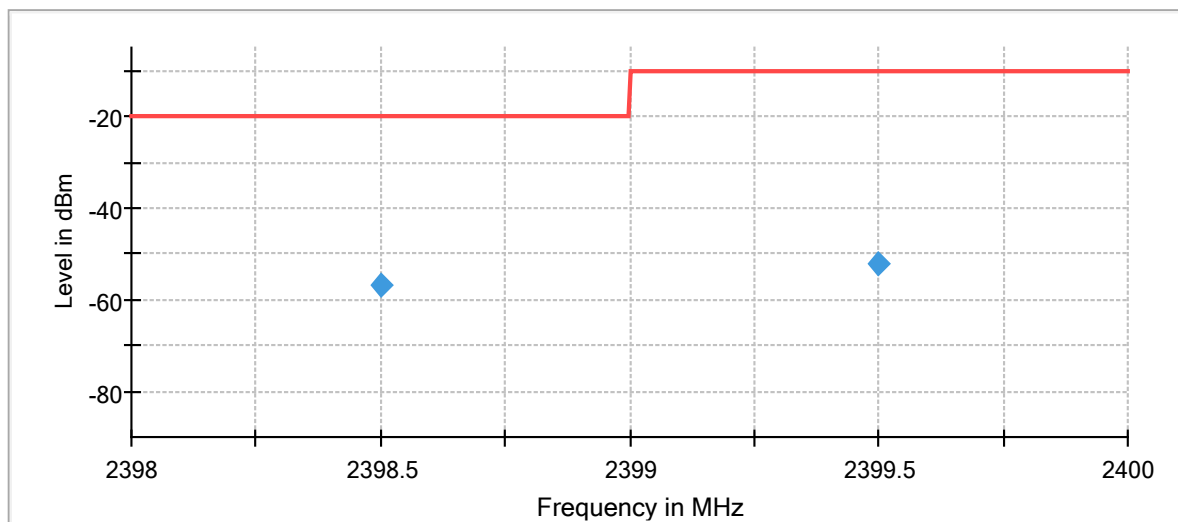
### Summary

DUT Frequency (MHz)	FAIL	PASS	Result
hopping	0	4	PASS

### Measurements

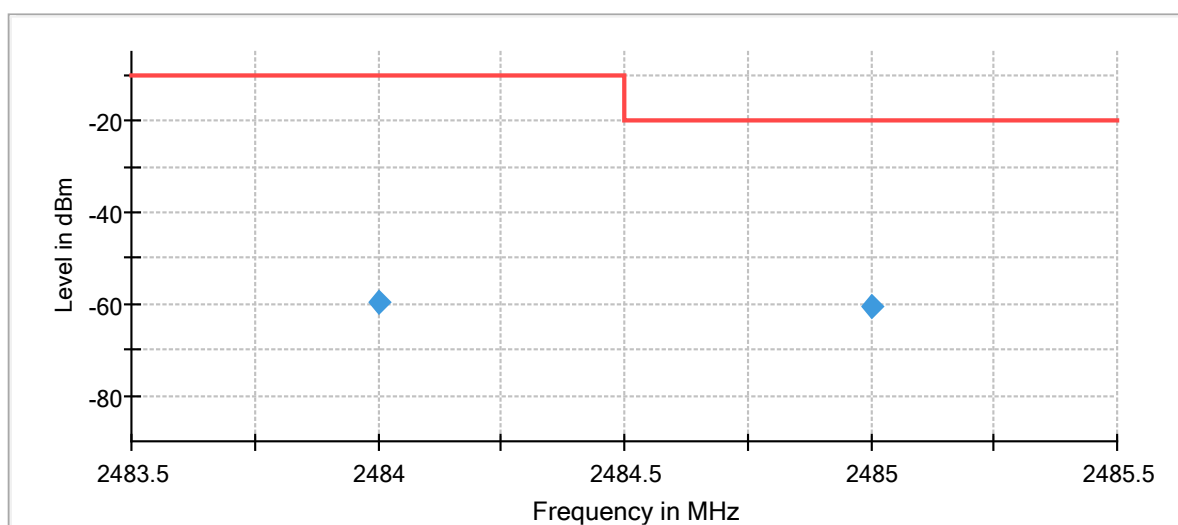
Frequency (MHz)	level (dBm)	Limit (dBm)	Result
2398.500000	-56.6	-20.0	PASS
2399.500000	-52.1	-10.0	PASS
2484.000000	-59.7	-10.0	PASS
2485.000000	-60.4	-20.0	PASS

Out of band low



◆ Level — Limit

Out of band high



◆ Level — Limit

## EN 300 328 2.2.2

### Summary

Test	Frequency (MHz)	Nominal Power (dBm)	Nominal Bandwidth (MHz)	Result
RF output power, Duty Cycle, Tx-sequence, Tx-gap	2402.000	0.0	1.000000	PASS
Occupied Channel Bandwidth	2402.000	0.0	1.000000	PASS
Power Spectral Density	2402.000	0.0	1.000000	PASS
Tx unwanted emissions in the out-of-band domain	2402.000	0.0	1.000000	PASS
RF output power, Duty Cycle, Tx-sequence, Tx-gap	2440.000	0.0	1.000000	PASS
Occupied Channel Bandwidth	2440.000	0.0	1.000000	PASS
Power Spectral Density	2440.000	0.0	1.000000	PASS
Tx unwanted emissions in the out-of-band domain	2440.000	0.0	1.000000	PASS
RF output power, Duty Cycle, Tx-sequence, Tx-gap	2480.000	0.0	1.000000	PASS
Occupied Channel Bandwidth	2480.000	0.0	1.000000	PASS
Tx unwanted emissions in the out-of-band domain	2480.000	0.0	1.000000	PASS
Power Spectral Density	2480.000	0.0	1.000000	PASS

## Occupied Channel Bandwidth (2402 MHz; 0.000 dBm; 1 MHz)

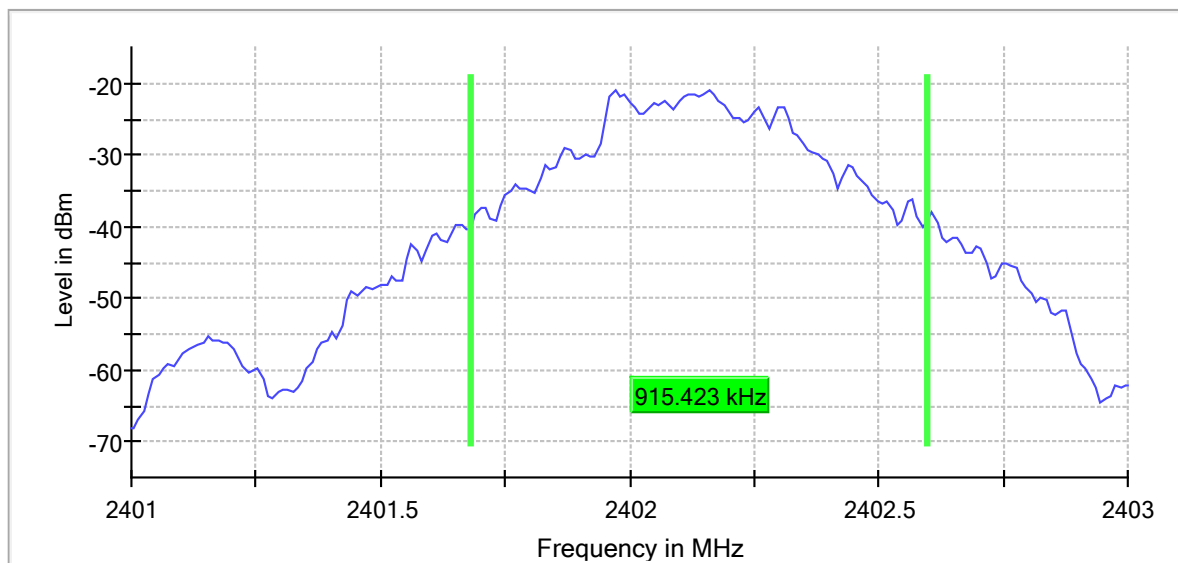
### 99 % Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Limit Min BE L (MHz)
2402.000000	0.915423	---	---	2401.681592	2400.000000

(continuation of the "99 % Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Band Edge Right (MHz)	Limit Max R (MHz)	BE	Result
2402.000000	2402.597015	2483.500000		PASS

99 % Bandwidth



## Power Spectral Density (2402 MHz; 0.000 dBm; 1 MHz)

Customized settings.

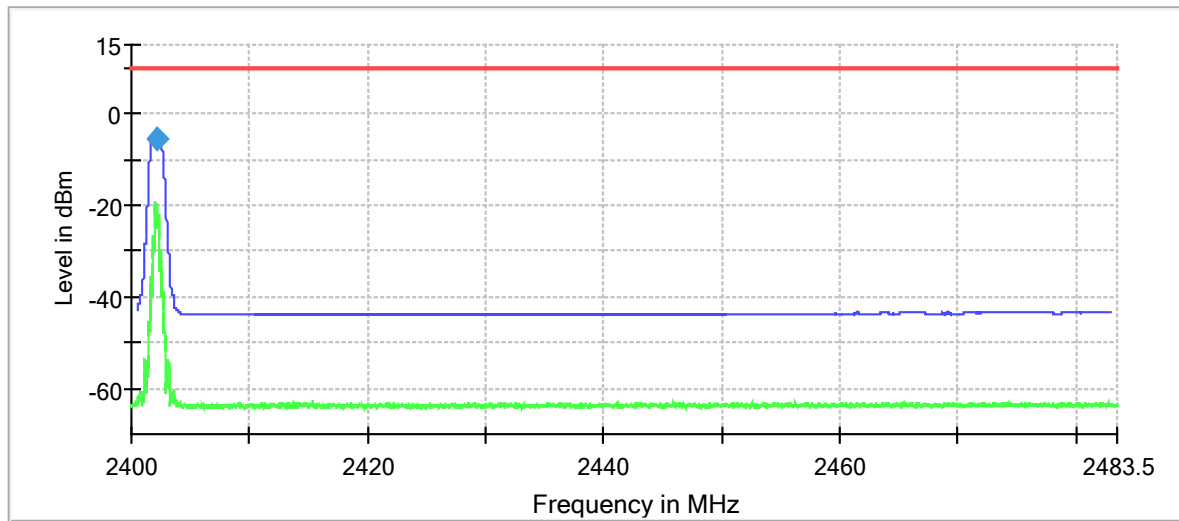
### Result

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
2402.000000	2402.154742	-5.419	10.0	PASS

### Ports

Port	State
1	used

Power Spectral Density



— Limit    — PSD    — Normalized Sum Level    ◆ PSD

## Tx unwanted emissions in the out-of-band domain (2402 MHz; 0.000 dBm; 1 MHz)

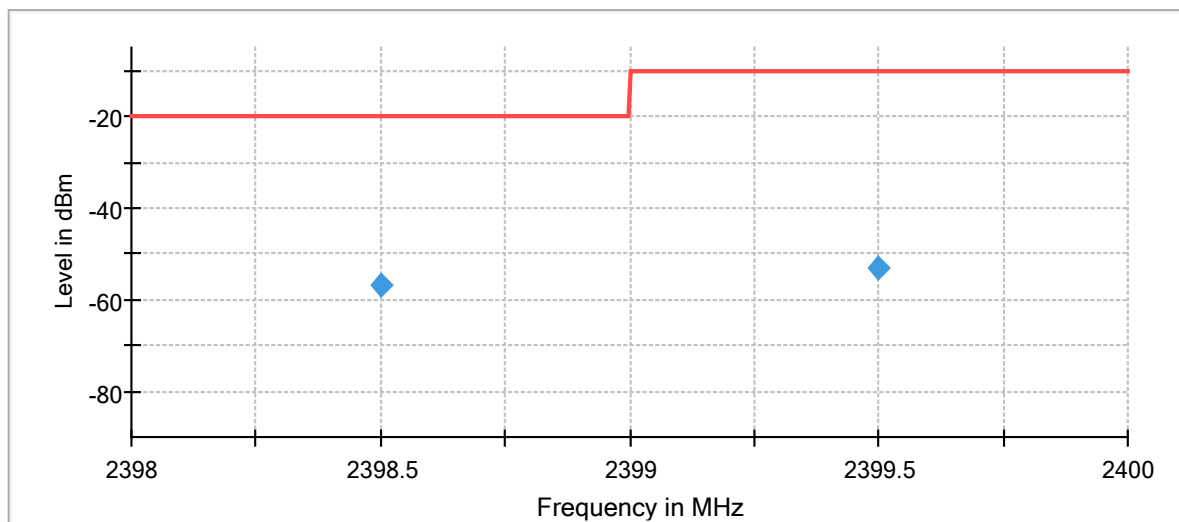
### Summary

DUT Frequency (MHz)	FAIL	PASS	Result
2402.000000	0	4	PASS

### Measurements

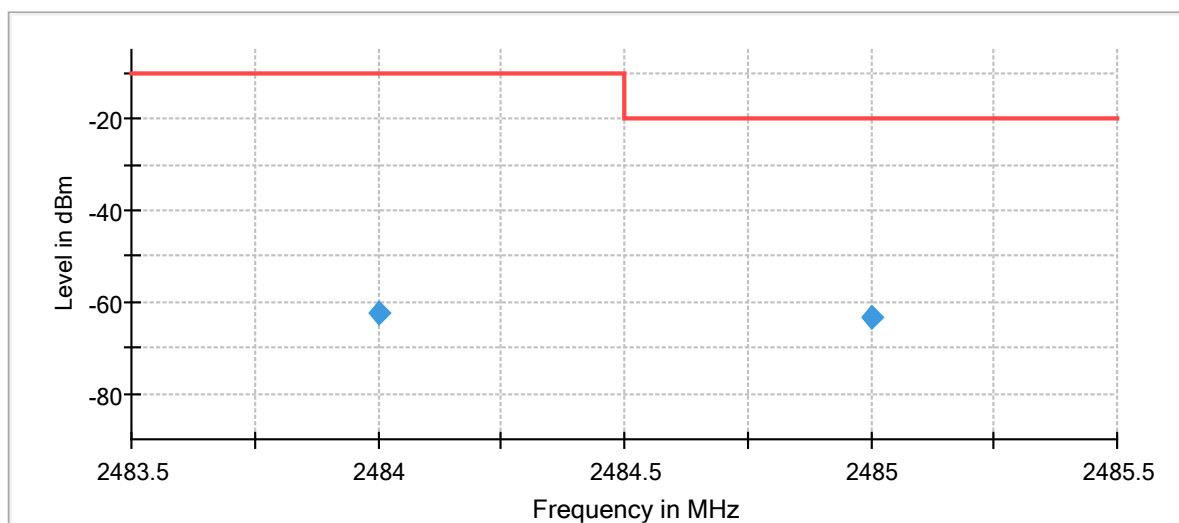
Frequency (MHz)	level (dBm)	Limit (dBm)	Result
2398.500000	-57.0	-20.0	PASS
2399.500000	-53.0	-10.0	PASS
2484.000000	-62.3	-10.0	PASS
2485.000000	-63.4	-20.0	PASS

Out of band low



◆ Level — Limit

Out of band high



◆ Level — Limit

## Occupied Channel Bandwidth (2440 MHz; 0.000 dBm; 1 MHz)

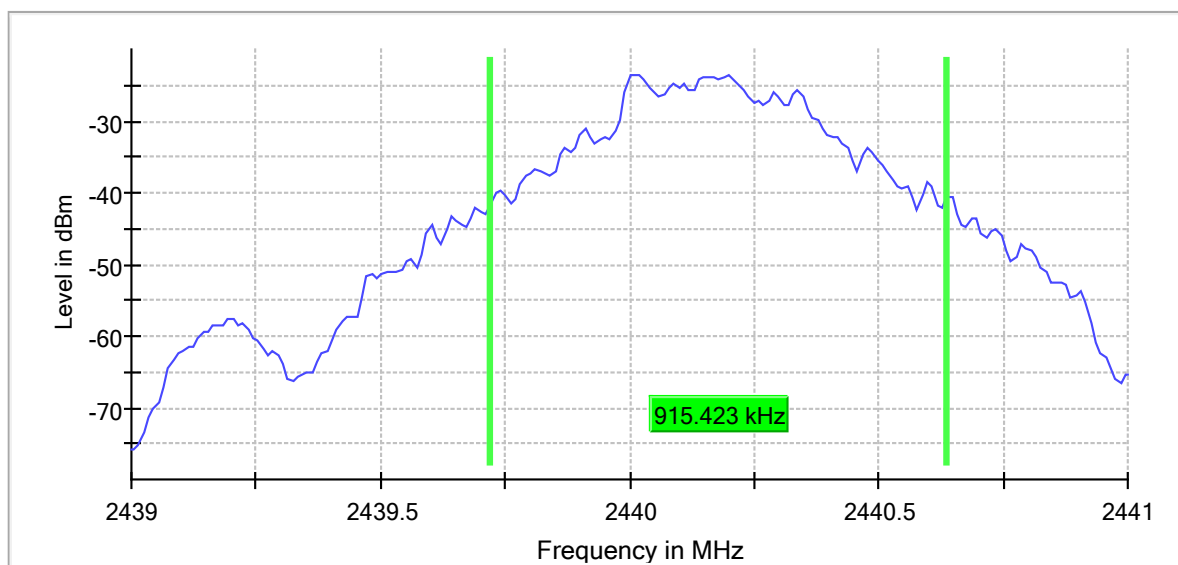
### 99 % Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Limit Min BE L (MHz)
2440.000000	0.915423	---	---	2439.721393	2400.000000

(continuation of the "99 % Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Band Edge Right (MHz)	Limit Max R (MHz)	BE	Result
2440.000000	2440.636816	2483.500000		PASS

99 % Bandwidth



## Power Spectral Density (2440 MHz; 0.000 dBm; 1 MHz)

Customized settings.

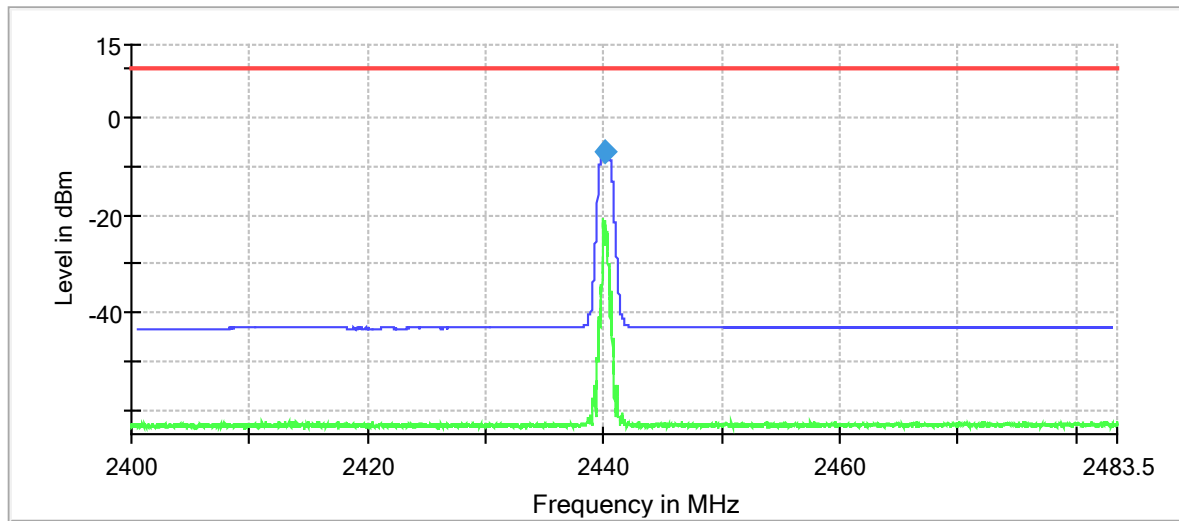
### Result

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
2440.000000	2440.190187	-7.141	10.0	PASS

### Ports

Port	State
1	used

Power Spectral Density



— Limit    — PSD    — Normalized Sum Level    ◆ PSD

## Tx unwanted emissions in the out-of-band domain (2440 MHz; 0.000 dBm; 1 MHz)

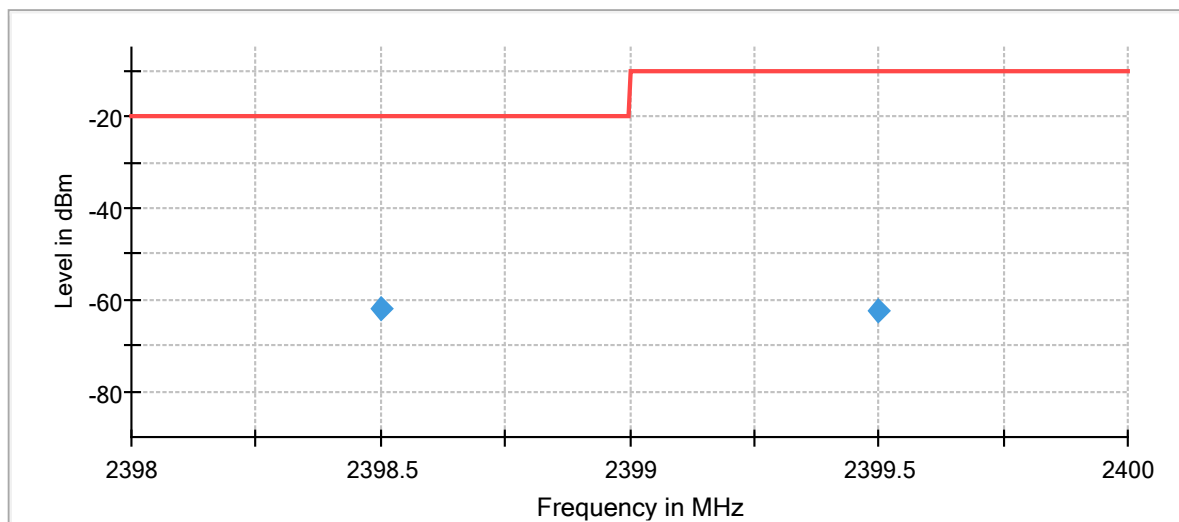
### Summary

DUT Frequency (MHz)	FAIL	PASS	Result
2440.000000	0	4	PASS

### Measurements

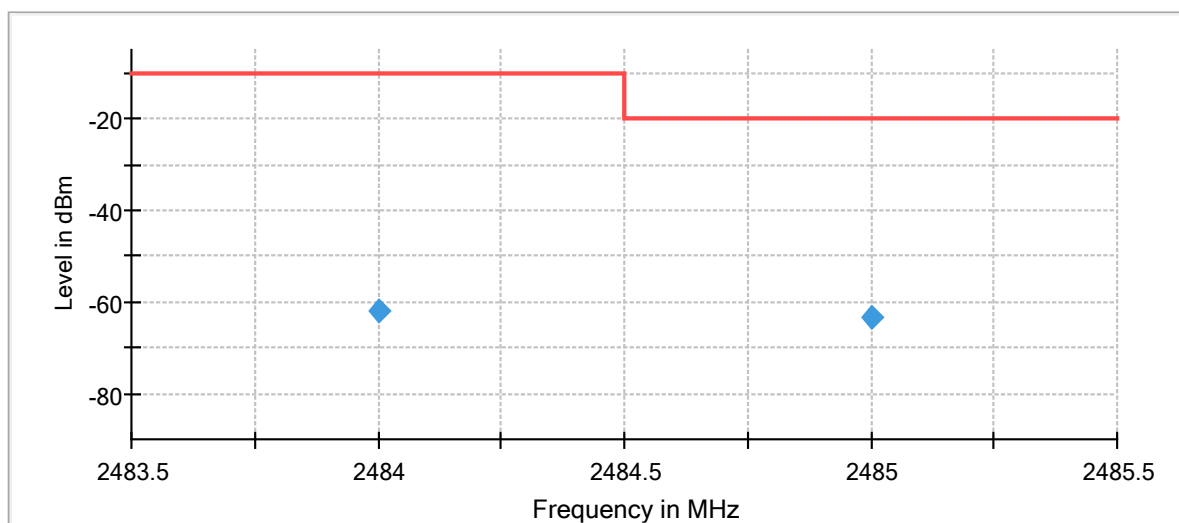
Frequency (MHz)	level (dBm)	Limit (dBm)	Result
2398.500000	-61.8	-20.0	PASS
2399.500000	-62.4	-10.0	PASS
2484.000000	-61.8	-10.0	PASS
2485.000000	-63.3	-20.0	PASS

Out of band low



◆ Level — Limit

Out of band high



◆ Level — Limit

## Occupied Channel Bandwidth (2480 MHz; 0.000 dBm; 1 MHz)

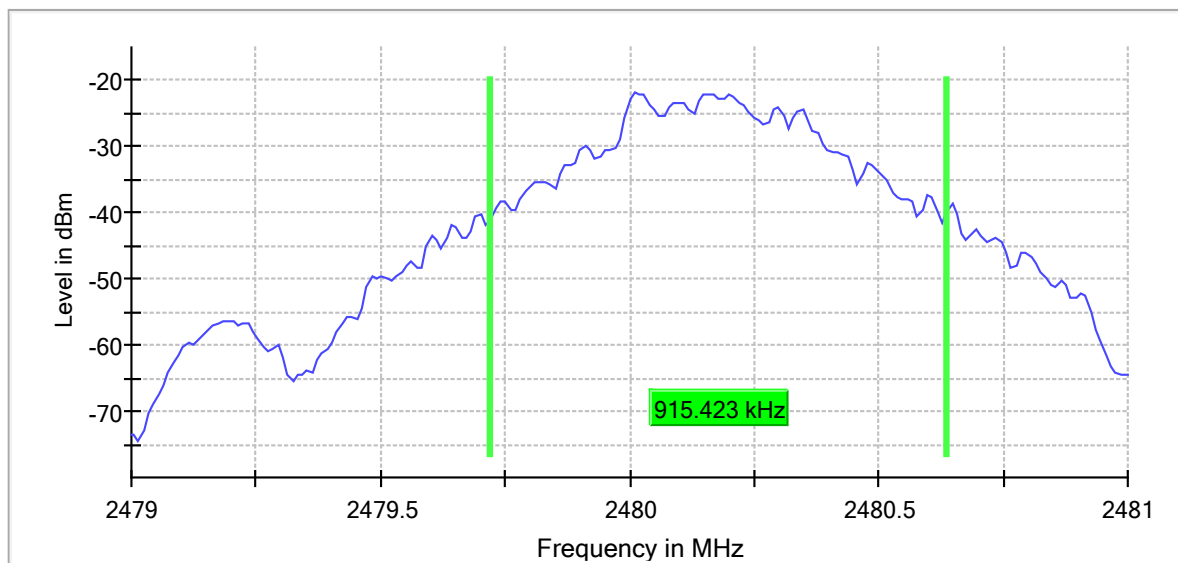
### 99 % Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Limit Min BE L (MHz)
2480.000000	0.915423	---	---	2479.721393	2400.000000

(continuation of the "99 % Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Band Edge Right (MHz)	Limit Max R (MHz)	BE	Result
2480.000000	2480.636816	2483.500000		PASS

99 % Bandwidth



## Tx unwanted emissions in the out-of-band domain (2480 MHz; 0.000 dBm; 1 MHz)

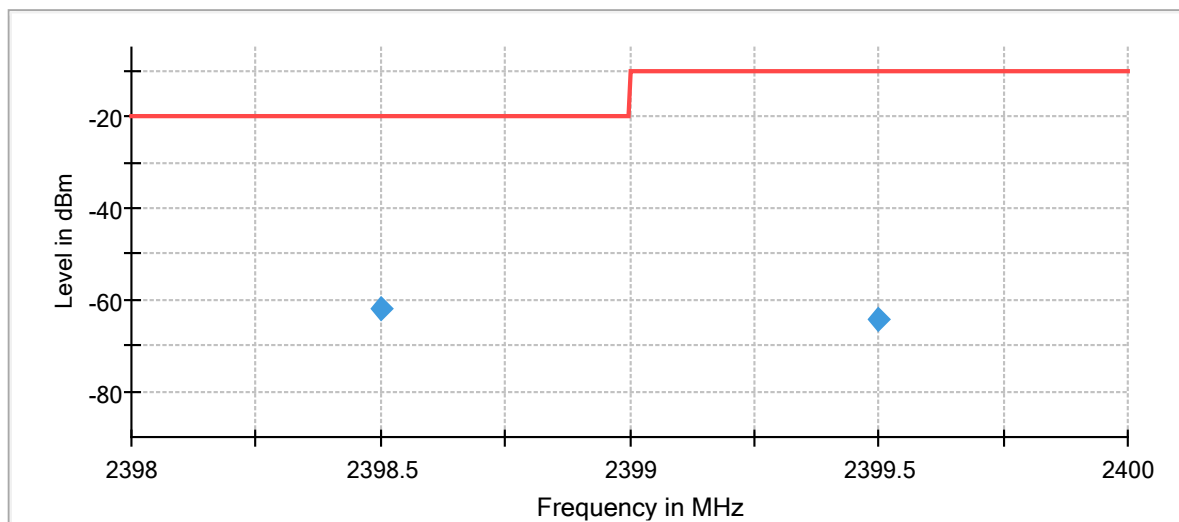
### Summary

DUT Frequency (MHz)	FAIL	PASS	Result
2480.000000	0	4	PASS

### Measurements

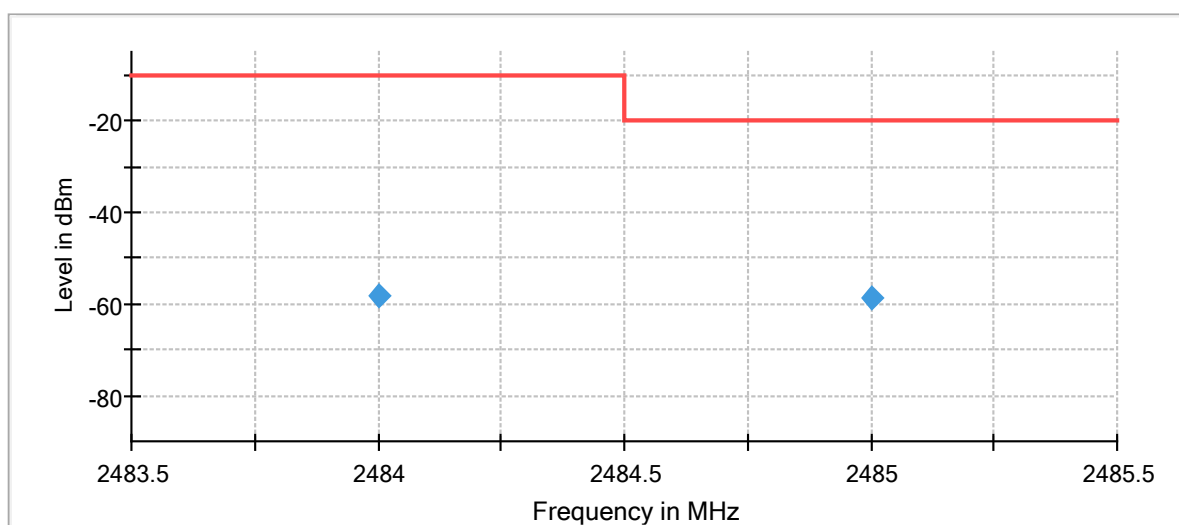
Frequency (MHz)	level (dBm)	Limit (dBm)	Result
2398.500000	-62.1	-20.0	PASS
2399.500000	-64.2	-10.0	PASS
2484.000000	-58.4	-10.0	PASS
2485.000000	-58.7	-20.0	PASS

Out of band low



◆ Level — Limit

Out of band high



◆ Level — Limit

## Power Spectral Density (2480 MHz; 0.000 dBm; 1 MHz)

Customized settings.

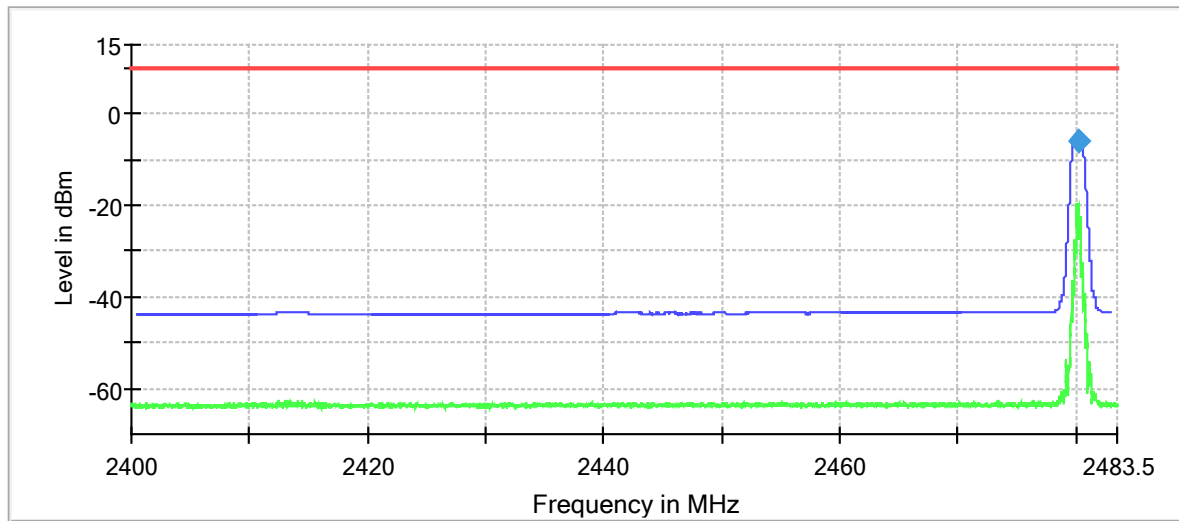
### Result

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
2480.000000	2480.215393	-5.949	10.0	PASS

### Ports

Port	State
1	used

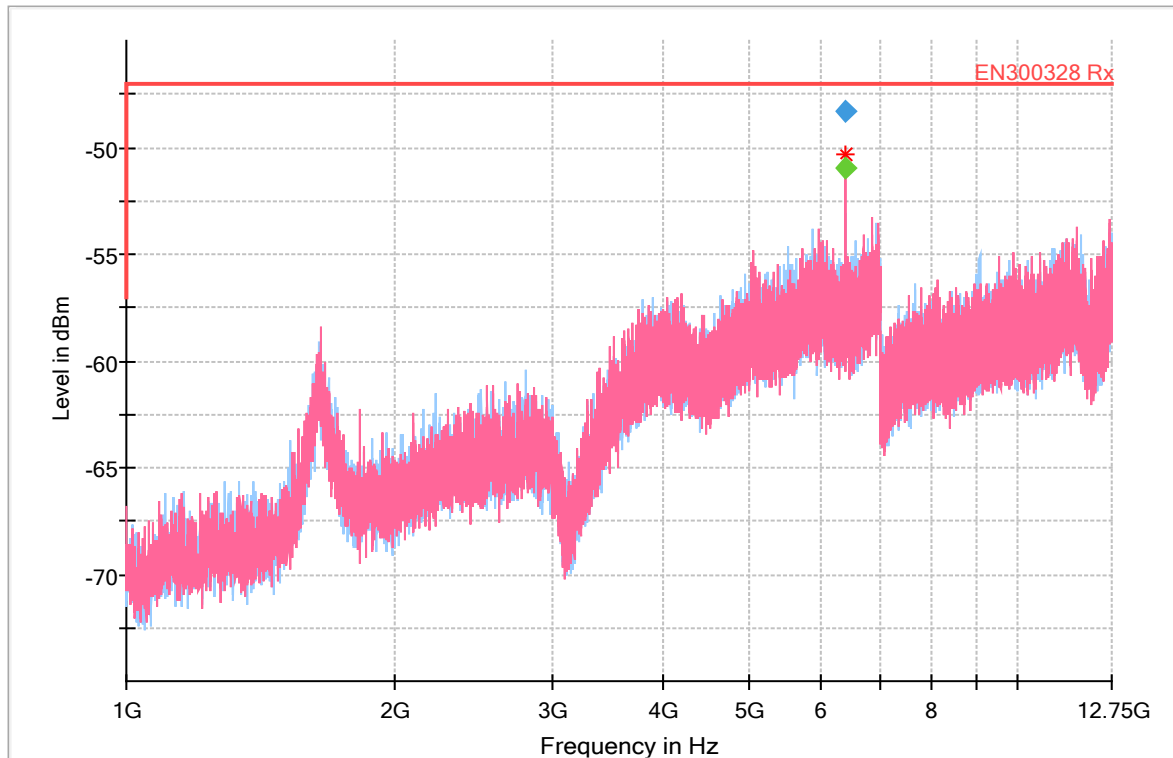
Power Spectral Density



— Limit    — PSD    — Normalized Sum Level    ◆ PSD

## Common Information

Job No. 24041327  
 EUT Name  
 Client Name Toys & Hardlines  
 Model No. 18723  
 Operating Mode RX BLE 2402 Above 1G  
 Testing Spec. EN300328  
 Tested By Tommy  
 Comment 16 May 2024  
 Temperature & Humidity 19.7°C 53%



## Final Result

Frequency (MHz)	MaxPeak (dBm)	Average (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
6407.989580	-48.31	---	-47.00	1.31	200.0	V	212.0	-95.6
6407.989580	---	-50.95	-47.00	3.95	200.0	V	212.0	-95.6

## Critical Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
6407.989580	-50.32	-47.00	3.32	200.0	V	212.0	-95.6

## Hardware Setup: EMI radiated\1GHz to 18GHz (dBm) - [EMI radiated]

Subrange 1

Frequency Range: 1 GHz - 18 GHz

Receiver: ESR 26 [ESR 26]

Signal Path: @ VISA (ADR TCPIP::172.16.0.147::INST0::INSTR), SN 1316.3003K26/101398, FW 3.66  
 Cable & apm  
 FW 1.0  
 Correction Table: 31 OCT 1-18GHz pre amp

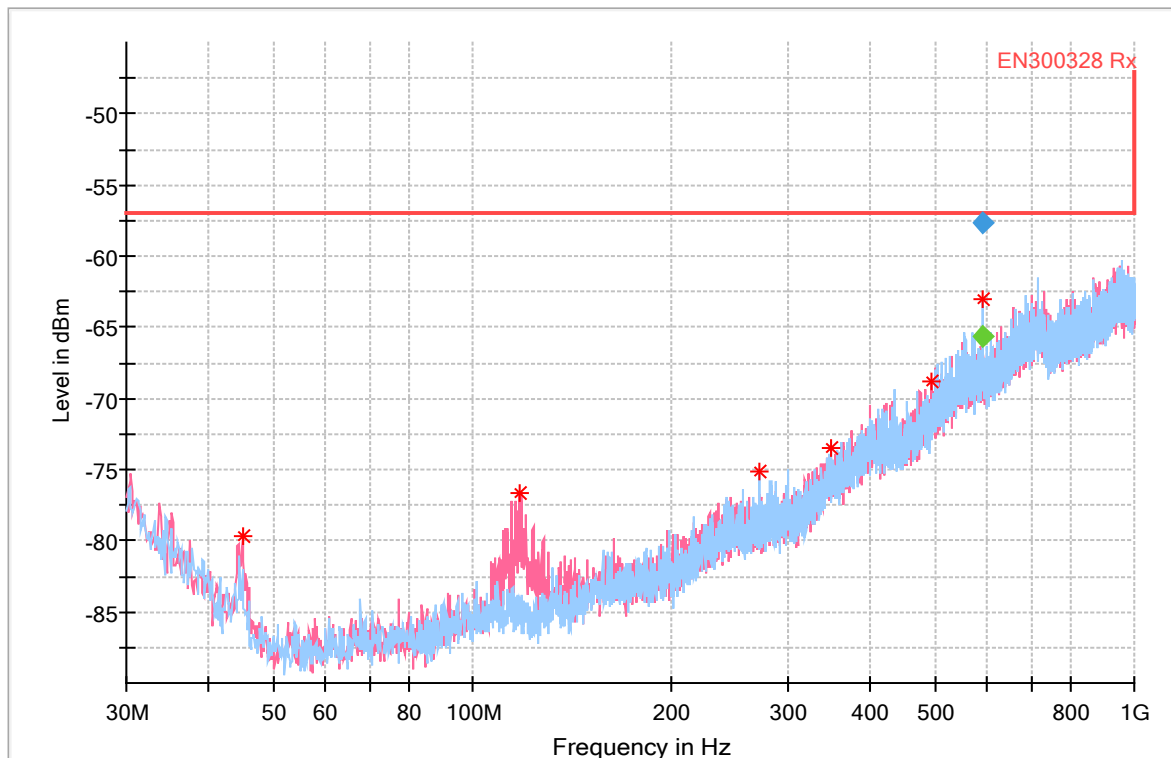
Antenna: Horn Antenna (dBm)  
 Correction Table (vertical): Horn Antenna (dBm)  
 Correction Table (horizontal): Horn Antenna (dBm)  
 Correction Table (vertical): Attenuation Correction Table 25MHz-40GHz(Final)  
 Correction Table (horizontal): Attenuation Correction Table 25MHz-40GHz(Final)

Antenna Tower: Maturo Antenna Tower [Maturo NCD Antenna Tower]  
 @ LAN (ADR 172.16.0.148:200), FW maturo,TAM4.0-E/342,3.0.10.5111

Turntable: EMCO Turntable [EMCO Turntable]  
 @ GPIB0 (ADR 8), FW REV 3.21

## Common Information

Job No.	24041327
EUT Name	
Client Name	Toys & Hardlines
Model No.	18723
Operating Mode	RX BLE 2402 Below 1G
Testing Spec.	EN300328
Tested By	Tommy
Comment	16 May 2024
Temperature & Humidity	19.7°C 53%



## Final\_Result

Frequency (MHz)	MaxPeak (dBm)	QuasiPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
589.822850	---	-65.63	-57.00	8.63	200.0	H	161.0	-70.1
589.822850	-57.64	---	-57.00	0.64	200.0	H	161.0	-70.1

## Critical\_Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
44.913750	-79.68	-57.00	22.68	100.0	V	96.0	-85.2
118.270000	-76.72	-57.00	19.72	200.0	V	212.0	-85.5
271.045000	-75.09	-57.00	18.09	200.0	H	329.0	-79.3
347.917500	-73.47	-57.00	16.47	200.0	H	274.0	-76.2
493.175000	-68.85	-57.00	11.85	100.0	V	12.0	-72.1
589.822850	-62.97	-57.00	5.97	200.0	H	161.0	-70.1

## Hardware Setup: EMI radiated\30MHz to 1GHz (dBm) - [EMI radiated]

### Subrange 1

Frequency Range: 25 MHz - 1 GHz

Receiver: ESR 26 [ESR 26]  
@ VISA (ADR TCPIP::172.16.0.147::INST0::INSTR), SN 1316.3003K26/101398, FW 3.66

Signal Path: Cable  
FW 1.0  
Correction Table: 31 OCT 30MHz-6GHz

Antenna: BiconiLog Antenna (dBm)  
Correction Table (vertical): EW-3061 Antenna Factor Vertical in dBm  
Correction Table (horizontal): EW-3061 Antenna Factor Horizontal in dBm  
Correction Table (vertical): Attenuation Correction Table 25MHz-40GHz(Final)  
Correction Table (horizontal): Attenuation Correction Table 25MHz-40GHz(Final)

Antenna Tower: Maturo Antenna Tower [Maturo NCD Antenna Tower]  
@ LAN (ADR 172.16.0.148:200), FW maturo,TAM4.0-E/342,3.0.10.5111

Turntable: EMCO Turntable [EMCO Turntable]  
@ GPIB0 (ADR 8), FW REV 3.21

## Common Information

Job No. 24041327

EUT Name

Client Name Toys & Hardlines

Model No. 18723

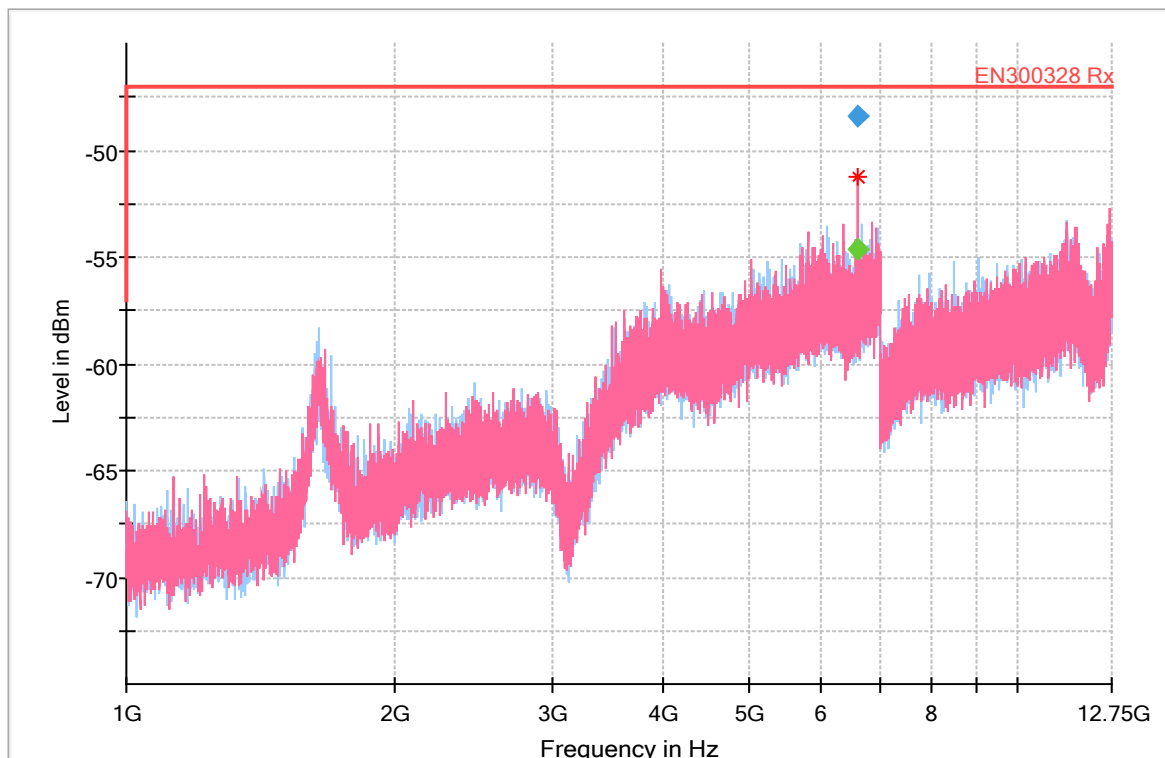
Operating Mode RX BLE 2480 Above 1G

Testing Spec. EN300328

Tested By Tommy

Comment 16 May 2024

Temperature & Humidity 19.7°C 53%



### Final Result

Frequency (MHz)	MaxPeak (dBm)	Average (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
6615.989900	---	-54.61	-47.00	7.61	100.0	V	3.0	-95.0
6615.989900	-48.40	---	-47.00	1.40	100.0	V	3.0	-95.0

### Critical Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
6615.989900	-51.21	-47.00	4.21	100.0	V	3.0	-95.0

### Hardware Setup: EMI radiated\1GHz to 18GHz (dBm) - [EMI radiated]

Subrange 1

Frequency Range: 1 GHz - 18 GHz

Receiver: ESR 26 [ESR 26]  
@ VISA (ADR TCPIP::172.16.0.147::INST0::INSTR), SN 1316.3003K26/101398, FW 3.66

Signal Path: Cable & apm  
FW 1.0  
Correction Table: 31 OCT 1-18GHz pre amp

Antenna: Horn Antenna (dBm)  
Correction Table (vertical): Horn Antenna (dBm)  
Correction Table (horizontal): Horn Antenna (dBm)  
Correction Table (vertical): Attenuation Correction Table 25MHz-40GHz(Final)  
Correction Table (horizontal): Attenuation Correction Table 25MHz-40GHz(Final)

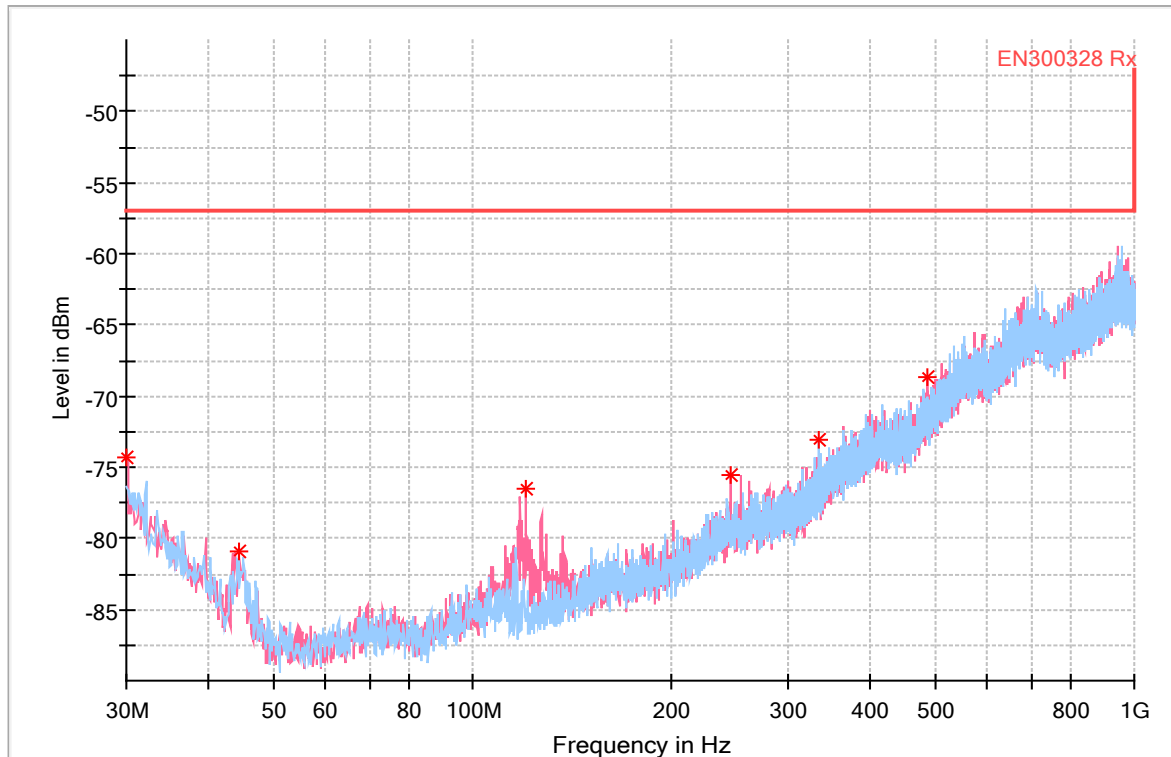
Antenna Tower: Maturo Antenna Tower [Maturo NCD Antenna Tower]

Turntable:

@ LAN (ADR 172.16.0.148:200), FW  
 maturo,TAM4.0-E/342,3.0.10.5111  
 EMCO Turntable [EMCO Turntable]  
 @ GPIB0 (ADR 8), FW REV 3.21

## Common Information

Job No.	24041327
EUT Name	
Client Name	Toys & Hardlines
Model No.	18723
Operating Mode	RX BLE 2480 Below 1G
Testing Spec.	EN300328
Tested By	Tommy
Comment	16 May 2024
Temperature & Humidity	19.7°C 53%



## Final Result

Frequency (MHz)	MaxPeak (dBm)	QuasiPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
---	---	---	---	---	---	---	---	---

## Critical Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
30.000000	-74.36	-57.00	17.36	200.0	V	96.0	-78.2
44.307500	-80.86	-57.00	23.86	100.0	V	252.0	-85.0
120.573750	-76.58	-57.00	19.58	100.0	V	276.0	-85.6
245.703750	-75.59	-57.00	18.59	200.0	V	64.0	-79.9

334.580000	-73.10	-57.00	16.10	100.0	H	359.0	-77.0
486.385000	-68.70	-57.00	11.70	200.0	V	183.0	-72.4

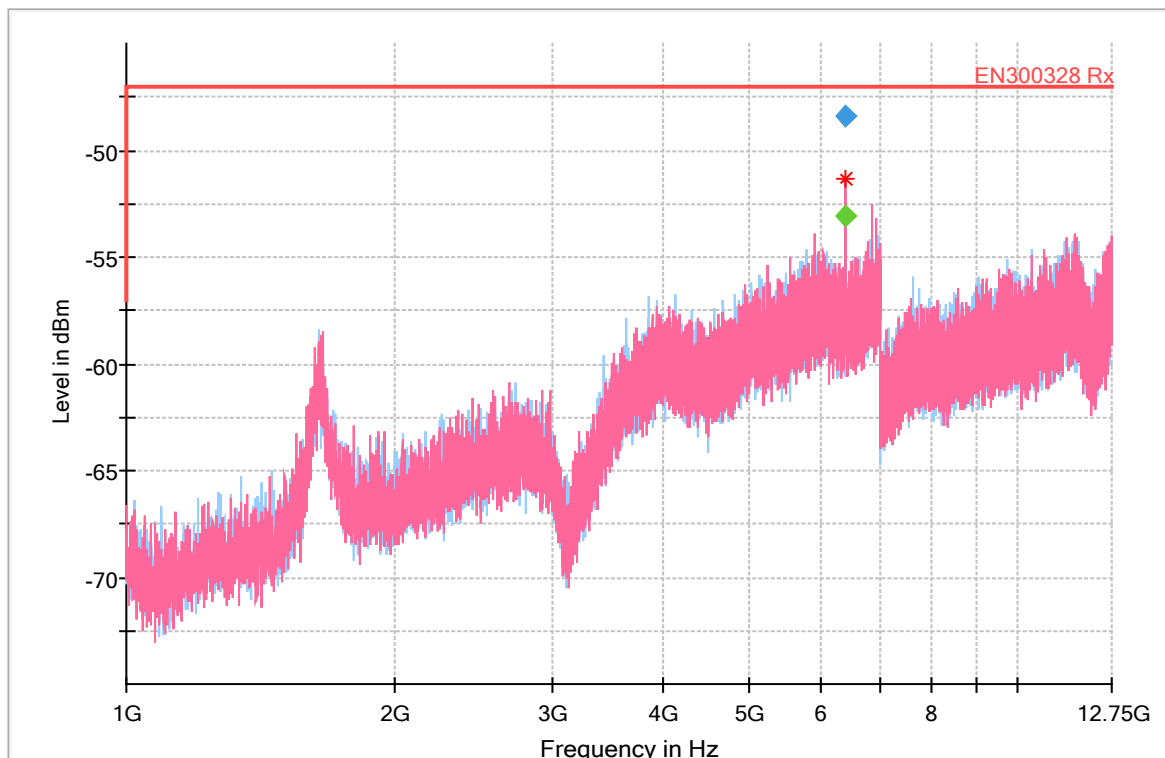
## Hardware Setup: EMI radiated\30MHz to 1GHz (dBm) - [EMI radiated]

### Subrange 1

Frequency Range:	25 MHz - 1 GHz
Receiver:	ESR 26 [ESR 26] @ VISA (ADR TCPIP::172.16.0.147::INST0::INSTR), SN 1316.3003K26/101398, FW 3.66
Signal Path:	Cable FW 1.0 Correction Table: 31 OCT 30MHz-6GHz
Antenna:	BiconiLog Antenna (dBm) Correction Table (vertical): EW-3061 Antenna Factor Vertical in dBm Correction Table (horizontal): EW-3061 Antenna Factor Horizontal in dBm Correction Table (vertical): Attenuation Correction Table 25MHz-40GHz(Final) Correction Table (horizontal): Attenuation Correction Table 25MHz-40GHz(Final)
Antenna Tower:	Maturo Antenna Tower [Maturo NCD Antenna Tower] @ LAN (ADR 172.16.0.148:200), FW maturo,TAM4.0-E/342,3.0.10.5111
Turntable:	EMCO Turntable [EMCO Turntable] @ GPIB0 (ADR 8), FW REV 3.21

## Common Information

Job No.	24041327
EUT Name	
Client Name	Toys & Hardlines
Model No.	18723
Operating Mode	RX BT 2402 Above 1G
Testing Spec.	EN300328
Tested By	Tommy
Comment	16 May 2024
Temperature & Humidity	19.7°C 53%



## Final Result

Frequency (MHz)	MaxPeak (dBm)	Average (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
6407.990590	-48.36	---	-47.00	1.36	100.0	V	197.0	-95.6
6407.990590	---	-53.11	-47.00	6.11	100.0	V	197.0	-95.6

## Critical Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
6407.990590	-51.35	-47.00	4.35	100.0	V	197.0	-95.6

## Hardware Setup: EMI radiated\1GHz to 18GHz (dBm) - [EMI radiated]

Subrange 1

Frequency Range: 1 GHz - 18 GHz

Receiver: ESR 26 [ESR 26]  
@ VISA (ADR TCPIP::172.16.0.147::INST0::INSTR), SN 1316.3003K26/101398, FW 3.66

Signal Path: Cable & apm  
FW 1.0

Antenna: Correction Table: 31 OCT 1-18GHz pre amp  
Horn Antenna (dBm)  
Correction Table (vertical): Horn Antenna (dBm)  
Correction Table (horizontal): Horn Antenna (dBm)  
Correction Table (vertical): Attenuation Correction Table 25MHz-40GHz(Final)  
Correction Table (horizontal): Attenuation Correction Table 25MHz-40GHz(Final)

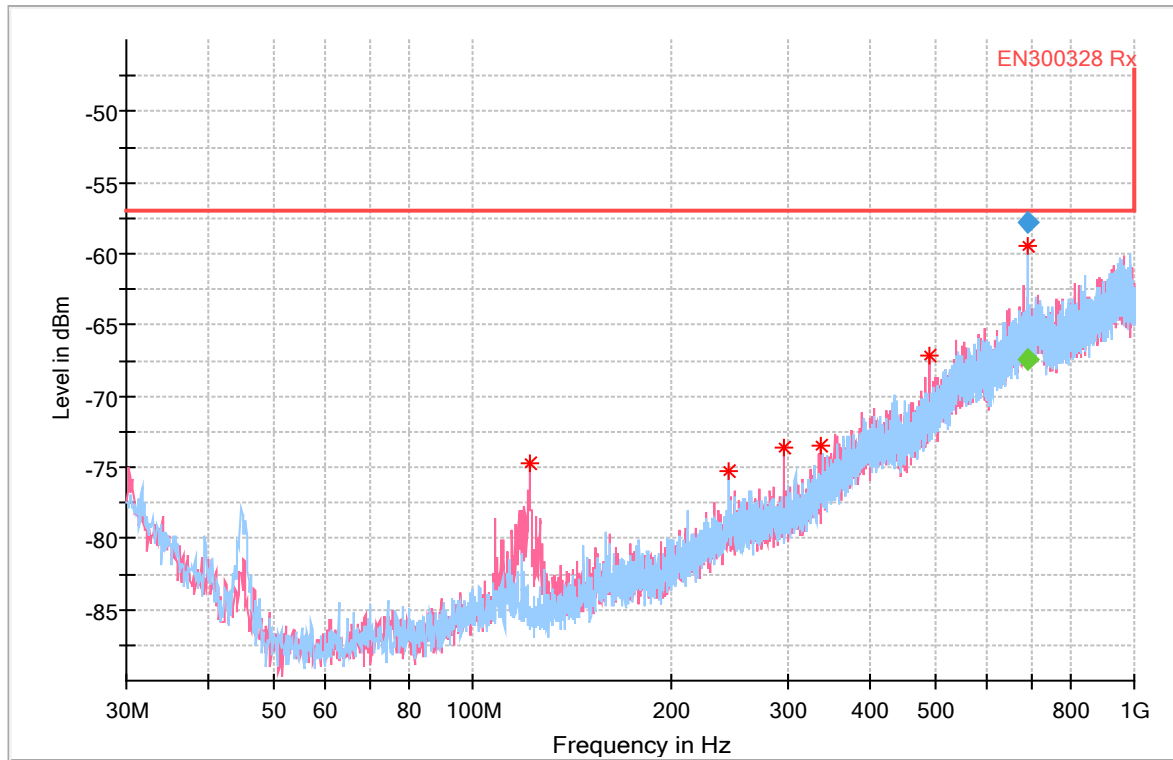
Antenna Tower: Maturo Antenna Tower [Maturo NCD Antenna Tower]

Turntable:

@ LAN (ADR 172.16.0.148:200), FW  
 maturo,TAM4.0-E/342,3.0.10.5111  
 EMCO Turntable [EMCO Turntable]  
 @ GPIB0 (ADR 8), FW REV 3.21

### Common Information

Job No. 24041327  
 EUT Name  
 Client Name Toys & Hardlines  
 Model No. 18723  
 Operating Mode RX BT 2402 Below 1G  
 Testing Spec. EN300328  
 Tested By Tommy  
 Comment 16 May 2024  
 Temperature & Humidity 19.7°C 53%



### Final Result

Frequency (MHz)	MaxPeak (dBm)	QuasiPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
688.145000	---	-67.38	-57.00	10.38	100.0	H	0.0	-67.6
688.145000	-57.78	---	-57.00	0.78	100.0	H	0.0	-67.6

### Critical Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
122.150000	-74.78	-57.00	17.78	100.0	V	211.0	-85.5
244.006250	-75.21	-57.00	18.21	100.0	H	252.0	-80.0
294.931250	-73.58	-57.00	16.58	200.0	V	50.0	-79.0

335.550000	-73.45	-57.00	16.45	200.0	V	82.0	-76.9
489.658750	-67.11	-57.00	10.11	200.0	V	113.0	-72.3
688.145000	-59.51	-57.00	2.51	100.0	H	0.0	-67.6

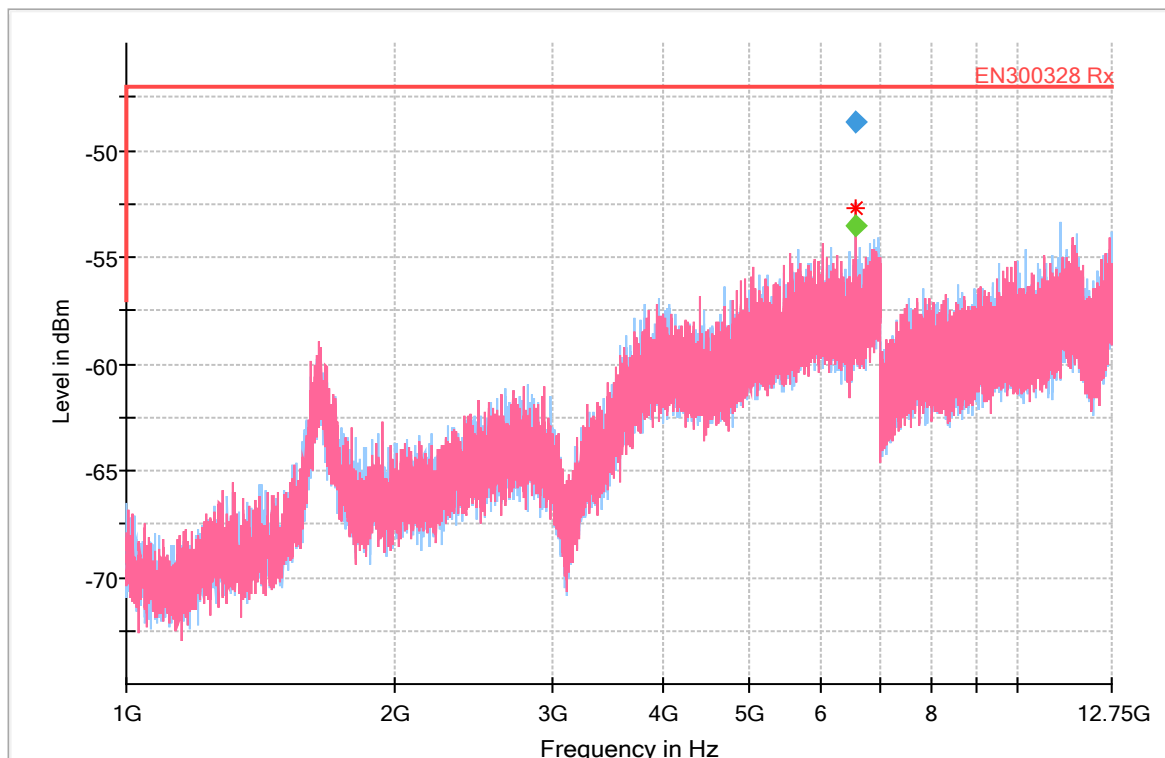
## Hardware Setup: EMI radiated\30MHz to 1GHz (dBm) - [EMI radiated]

### Subrange 1

Frequency Range:	25 MHz - 1 GHz
Receiver:	ESR 26 [ESR 26] @ VISA (ADR TCPIP::172.16.0.147::INST0::INSTR), SN 1316.3003K26/101398, FW 3.66
Signal Path:	Cable FW 1.0 Correction Table: 31 OCT 30MHz-6GHz
Antenna:	BiconiLog Antenna (dBm) Correction Table (vertical): EW-3061 Antenna Factor Vertical in dBm Correction Table (horizontal): EW-3061 Antenna Factor Horizontal in dBm Correction Table (vertical): Attenuation Correction Table 25MHz-40GHz(Final) Correction Table (horizontal): Attenuation Correction Table 25MHz-40GHz(Final)
Antenna Tower:	Maturo Antenna Tower [Maturo NCD Antenna Tower] @ LAN (ADR 172.16.0.148:200), FW maturo,TAM4.0-E/342,3.0.10.5111
Turntable:	EMCO Turntable [EMCO Turntable] @ GPIB0 (ADR 8), FW REV 3.21

## Common Information

Job No.	24041327
EUT Name	
Client Name	Toys & Hardlines
Model No.	18723
Operating Mode	RX BT 2480 Above 1G
Testing Spec.	EN300328
Tested By	Tommy
Comment	16 May 2024
Temperature & Humidity	19.7°C 53%



### Final Result

Frequency (MHz)	MaxPeak (dBm)	Average (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
6591.989300	-48.67	---	-47.00	1.67	200.0	V	25.0	-95.1
6591.989300	---	-53.52	-47.00	6.52	200.0	V	25.0	-95.1

### Critical Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
6591.989300	-52.68	-47.00	5.68	200.0	V	25.0	-95.1

### Hardware Setup: EMI radiated\1GHz to 18GHz (dBm) - [EMI radiated]

Subrange 1

Frequency Range: 1 GHz - 18 GHz

Receiver: ESR 26 [ESR 26]  
@ VISA (ADR TCPIP::172.16.0.147::INST0::INSTR), SN 1316.3003K26/101398, FW 3.66

Signal Path: Cable & apm  
FW 1.0

Antenna: Correction Table: 31 OCT 1-18GHz pre amp  
Horn Antenna (dBm)  
Correction Table (vertical): Horn Antenna (dBm)  
Correction Table (horizontal): Horn Antenna (dBm)  
Correction Table (vertical): Attenuation Correction Table 25MHz-40GHz(Final)  
Correction Table (horizontal): Attenuation Correction Table 25MHz-40GHz(Final)

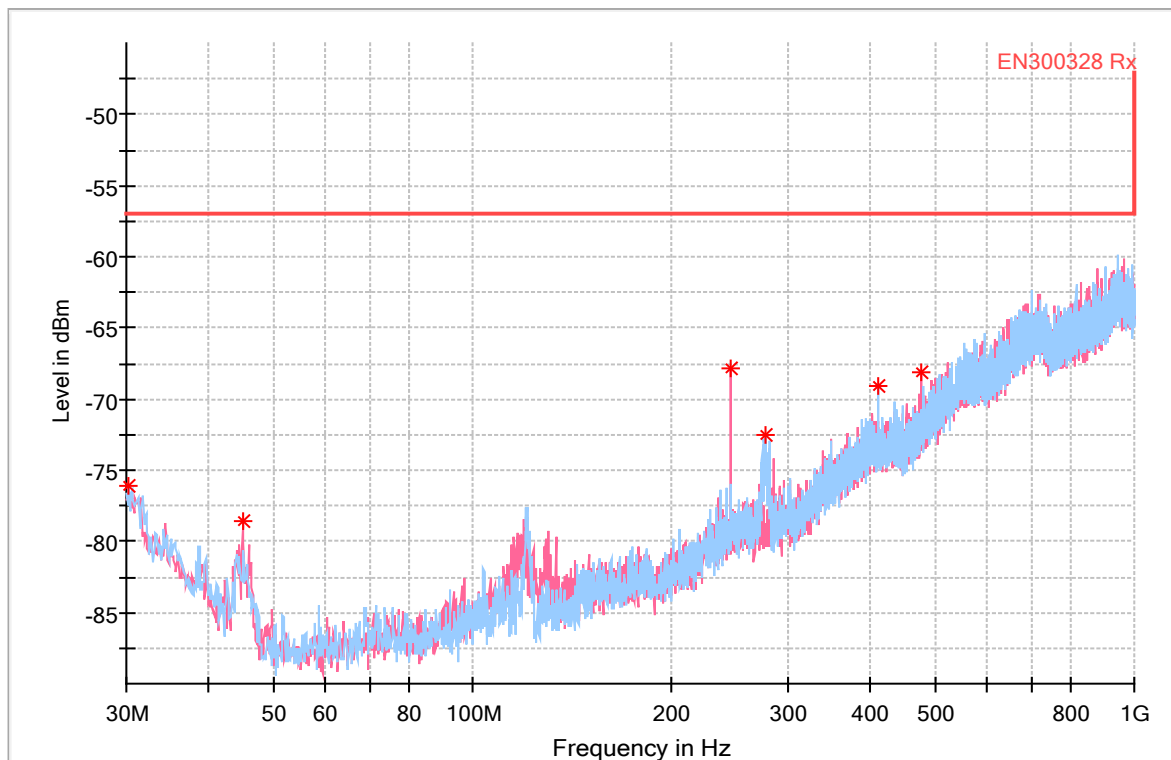
Antenna Tower: Maturo Antenna Tower [Maturo NCD Antenna Tower]

Turntable:

@ LAN (ADR 172.16.0.148:200), FW  
 maturo,TAM4.0-E/342,3.0.10.5111  
 EMCO Turntable [EMCO Turntable]  
 @ GPIB0 (ADR 8), FW REV 3.21

## Common Information

Job No. 24041327  
 EUT Name  
 Client Name Toys & Hardlines  
 Model No. 18723  
 Operating Mode RX BT 2480 Below 1G  
 Testing Spec. EN300328  
 Tested By Tommy  
 Comment 16 May 2024  
 Temperature & Humidity 19.7°C 53%



## Final Result

Frequency (MHz)	MaxPeak (dBm)	QuasiPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
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## Critical Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
30.242500	-76.06	-57.00	19.06	200.0	H	13.0	-78.3
45.035000	-78.57	-57.00	21.57	100.0	V	219.0	-85.2
245.703750	-67.78	-57.00	10.78	100.0	V	205.0	-79.9
276.743750	-72.52	-57.00	15.52	100.0	H	101.0	-79.3

410.482500	-69.11	-57.00	12.11	100.0	H	199.0	-73.8
477.048750	-68.14	-57.00	11.14	200.0	V	74.0	-72.8

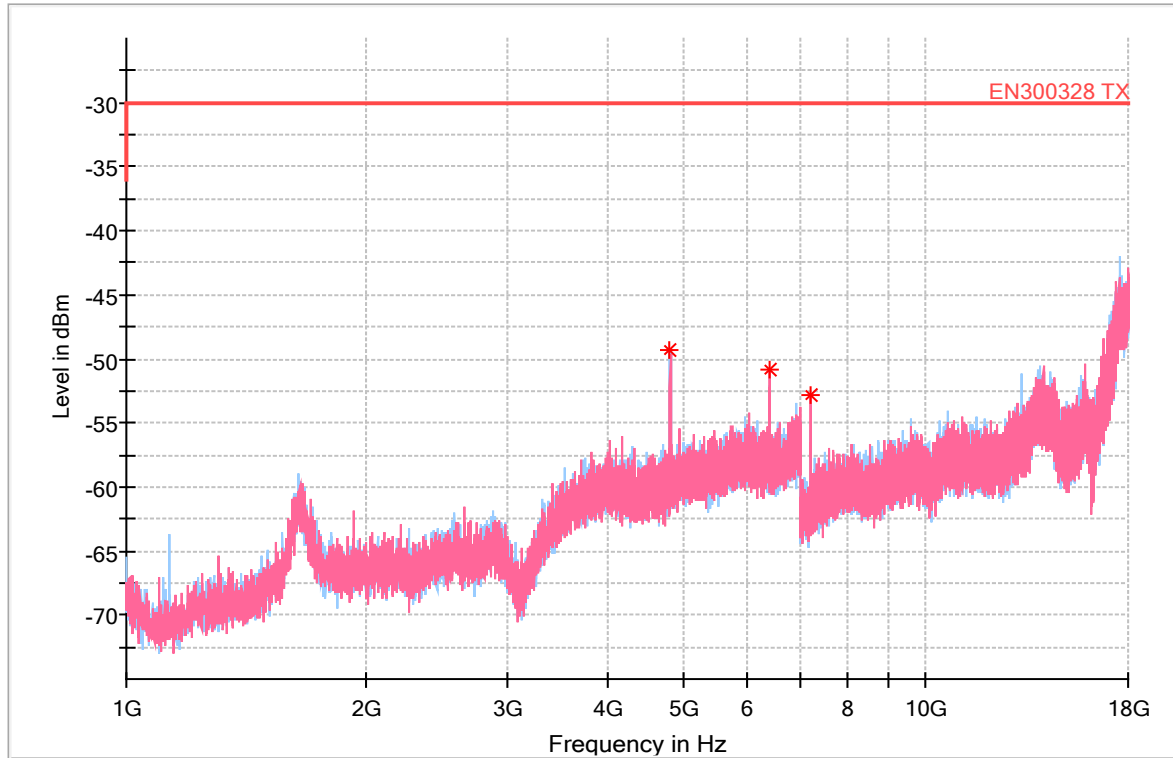
## Hardware Setup: EMI radiated\30MHz to 1GHz (dBm) - [EMI radiated]

### Subrange 1

Frequency Range:	25 MHz - 1 GHz
Receiver:	ESR 26 [ESR 26] @ VISA (ADR TCPIP::172.16.0.147::INST0::INSTR), SN 1316.3003K26/101398, FW 3.66
Signal Path:	Cable FW 1.0 Correction Table: 31 OCT 30MHz-6GHz
Antenna:	BiconiLog Antenna (dBm) Correction Table (vertical): EW-3061 Antenna Factor Vertical in dBm Correction Table (horizontal): EW-3061 Antenna Factor Horizontal in dBm Correction Table (vertical): Attenuation Correction Table 25MHz-40GHz(Final) Correction Table (horizontal): Attenuation Correction Table 25MHz-40GHz(Final)
Antenna Tower:	Maturo Antenna Tower [Maturo NCD Antenna Tower] @ LAN (ADR 172.16.0.148:200), FW maturo,TAM4.0-E/342,3.0.10.5111
Turntable:	EMCO Turntable [EMCO Turntable] @ GPIB0 (ADR 8), FW REV 3.21

## Common Information

Job No.	24041327
EUT Name	
Client Name	Toys & Hardlines
Model No.	18723
Operating Mode	TX BLE 2402 Above 1G
Testing Spec.	EN300328
Tested By	Tommy
Comment	16 May 2024
Temperature & Humidity	19.7°C 53%



### Final Result

Frequency (MHz)	MaxPeak (dBm)	Average (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
---	---	---	---	---	---		---	---

### Critical Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
4803.218750	-49.29	-30.00	19.29	200.0	H	296.0	-100.9
6405.468750	-50.86	-30.00	20.86	100.0	V	177.0	-95.6
7207.125000	-52.88	-30.00	22.88	200.0	V	359.0	-97.6

### Hardware Setup: EMI radiated\1GHz to 18GHz (dBm) - [EMI radiated]

Subrange 1

Frequency Range: 1 GHz - 18 GHz

Receiver: ESR 26 [ESR 26]  
 @ VISA (ADR TCPIP::172.16.0.147::INST0::INSTR), SN 1316.3003K26/101398, FW 3.66

Signal Path: Cable & apm  
 FW 1.0  
 Correction Table: 31 OCT 1-18GHz pre amp

Antenna: Horn Antenna (dBm)  
 Correction Table (vertical): Horn Antenna (dBm)  
 Correction Table (horizontal): Horn Antenna (dBm)  
 Correction Table (vertical): Attenuation Correction Table 25MHz-40GHz(Final)  
 Correction Table (horizontal): Attenuation Correction Table 25MHz-40GHz(Final)

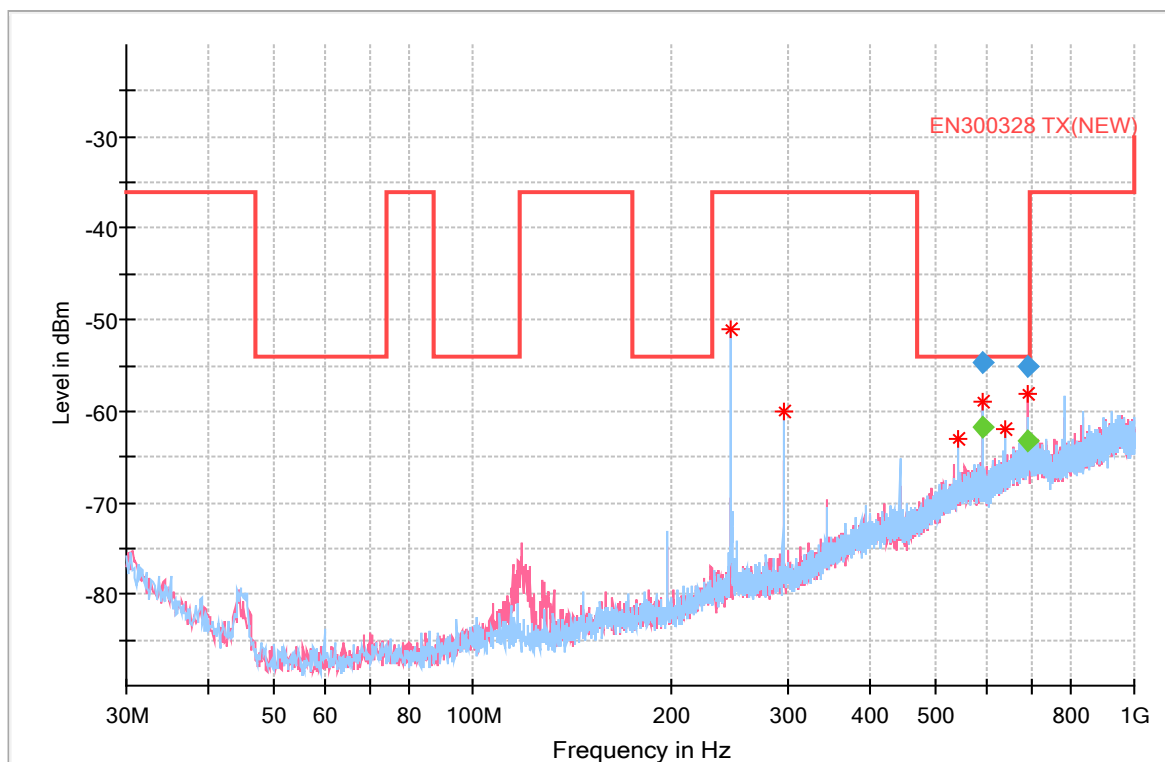
Antenna Tower: Maturo Antenna Tower [Maturo NCD Antenna Tower]

Turntable:

@ LAN (ADR 172.16.0.148:200), FW  
 maturo,TAM4.0-E/342,3.0.10.5111  
 EMCO Turntable [EMCO Turntable]  
 @ GPIB0 (ADR 8), FW REV 3.21

### Common Information

Job No. 24041327  
 EUT Name  
 Client Name Toys & Hardlines  
 Model No. 18723  
 Operating Mode TX BLE 2402 Below 1G  
 Testing Spec. EN300328  
 Tested By Tommy  
 Comment 16 May 2024  
 Temperature & Humidity 19.7°C 53%



### Final Result

Frequency (MHz)	MaxPeak (dBm)	QuasiPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
589.820500	-54.68	---	-54.00	0.68	200.0	V	326.0	-70.1
589.820500	---	-61.77	-54.00	7.77	200.0	V	326.0	-70.1
688.127600	-55.18	---	-54.00	1.18	100.0	V	261.0	-67.6
688.127600	---	-63.31	-54.00	9.31	100.0	V	261.0	-67.6

### Critical Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
245.703750	-50.99	-36.00	14.99	200.0	H	220.0	-79.9

294.931250	-60.11	-36.00	24.11	100.0	H	65.0	-79.0
540.705000	-62.97	-54.00	8.97	100.0	H	172.0	-70.2
589.820500	-59.03	-54.00	5.03	200.0	V	326.0	-70.1
638.917500	-61.88	-54.00	7.88	200.0	H	358.0	-68.7
688.127600	-58.11	-54.00	4.11	100.0	V	261.0	-67.6

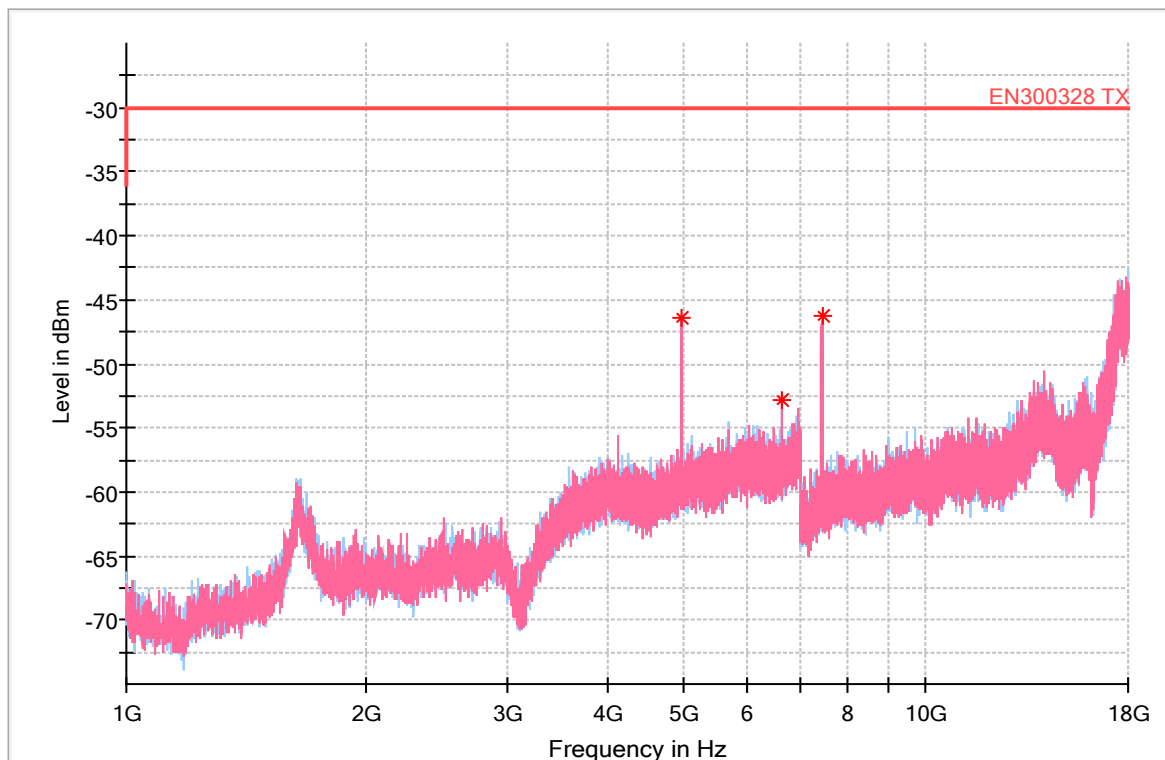
## Hardware Setup: EMI radiated\30MHz to 1GHz (dBm) - [EMI radiated]

### Subrange 1

Frequency Range:	25 MHz - 1 GHz
Receiver:	ESR 26 [ESR 26] @ VISA (ADR TCPIP::172.16.0.147::INST0::INSTR), SN 1316.3003K26/101398, FW 3.66
Signal Path:	Cable FW 1.0 Correction Table: 31 OCT 30MHz-6GHz
Antenna:	BiconiLog Antenna (dBm) Correction Table (vertical): EW-3061 Antenna Factor Vertical in dBm Correction Table (horizontal): EW-3061 Antenna Factor Horizontal in dBm Correction Table (vertical): Attenuation Correction Table 25MHz-40GHz(Final) Correction Table (horizontal): Attenuation Correction Table 25MHz-40GHz(Final)
Antenna Tower:	Maturo Antenna Tower [Maturo NCD Antenna Tower] @ LAN (ADR 172.16.0.148:200), FW maturo,TAM4.0-E/342,3.0.10.5111
Turntable:	EMCO Turntable [EMCO Turntable] @ GPIB0 (ADR 8), FW REV 3.21

## Common Information

Job No.	24041327
EUT Name	
Client Name	Toys & Hardlines
Model No.	18723
Operating Mode	TX BLE 2480 Above 1G
Testing Spec.	EN300328
Tested By	Tommy
Comment	16 May 2024
Temperature & Humidity	19.7°C 53%



### Final Result

Frequency (MHz)	MaxPeak (dBm)	Average (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
---	---	---	---	---	---		---	---

### Critical Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
4960.468750	-46.35	-30.00	16.35	100.0	V	239.0	-99.9
6613.718750	-52.87	-30.00	22.87	100.0	V	133.0	-95.0
7439.281250	-46.26	-30.00	16.26	200.0	H	197.0	-96.6

### Hardware Setup: EMI radiated\1GHz to 18GHz (dBm) - [EMI radiated]

Subrange 1

Frequency Range: 1 GHz - 18 GHz

Receiver: ESR 26 [ESR 26]  
@ VISA (ADR TCPIP::172.16.0.147::INST0::INSTR), SN 1316.3003K26/101398, FW 3.66

Signal Path: Cable & apm  
FW 1.0  
Correction Table: 31 OCT 1-18GHz pre amp

Antenna: Horn Antenna (dBm)  
Correction Table (vertical): Horn Antenna (dBm)  
Correction Table (horizontal): Horn Antenna (dBm)  
Correction Table (vertical): Attenuation Correction Table 25MHz-40GHz(Final)  
Correction Table (horizontal): Attenuation Correction Table 25MHz-40GHz(Final)

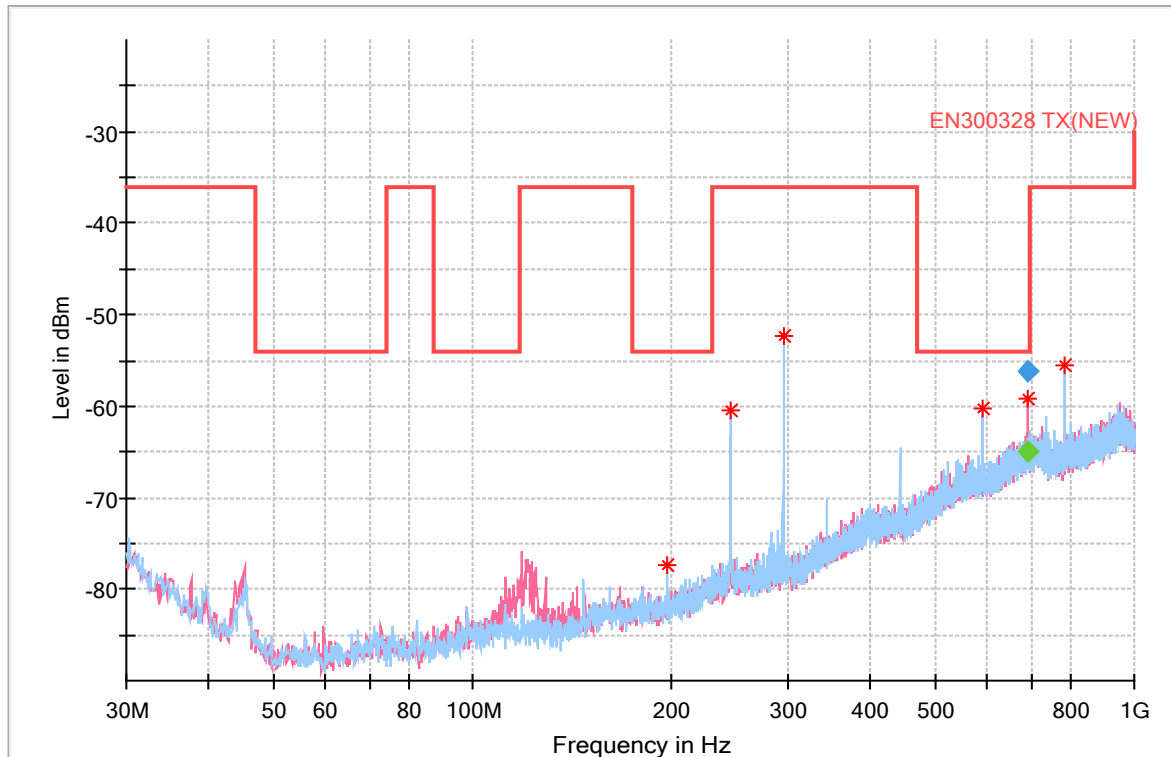
Antenna Tower: Maturo Antenna Tower [Maturo NCD Antenna Tower]

Turntable:

@ LAN (ADR 172.16.0.148:200), FW  
 maturo,TAM4.0-E/342,3.0.10.5111  
 EMCO Turntable [EMCO Turntable]  
 @ GPIB0 (ADR 8), FW REV 3.21

## Common Information

Job No.	24041327
EUT Name	
Client Name	Toys & Hardlines
Model No.	18723
Operating Mode	TX BLE 2480 Below 1G
Testing Spec.	EN300328
Tested By	Tommy
Comment	16 May 2024
Temperature & Humidity	19.7°C 53%



## Final Result

Frequency (MHz)	MaxPeak (dBm)	QuasiPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
688.129080	---	-65.03	-54.00	11.03	100.0	V	276.0	-67.6
688.129080	-56.08	---	-54.00	2.08	100.0	V	276.0	-67.6

## Critical Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
196.597500	-77.42	-54.00	23.42	100.0	H	248.0	-82.6
245.703750	-60.45	-36.00	24.45	200.0	H	319.0	-79.9
294.931250	-52.32	-36.00	16.32	200.0	H	263.0	-79.0

589.811250	-60.14	-54.00	6.14	100.0	H	252.0	-70.1
688.129080	-59.10	-54.00	5.10	100.0	V	276.0	-67.6
786.478750	-55.49	-36.00	19.49	200.0	H	291.0	-66.9

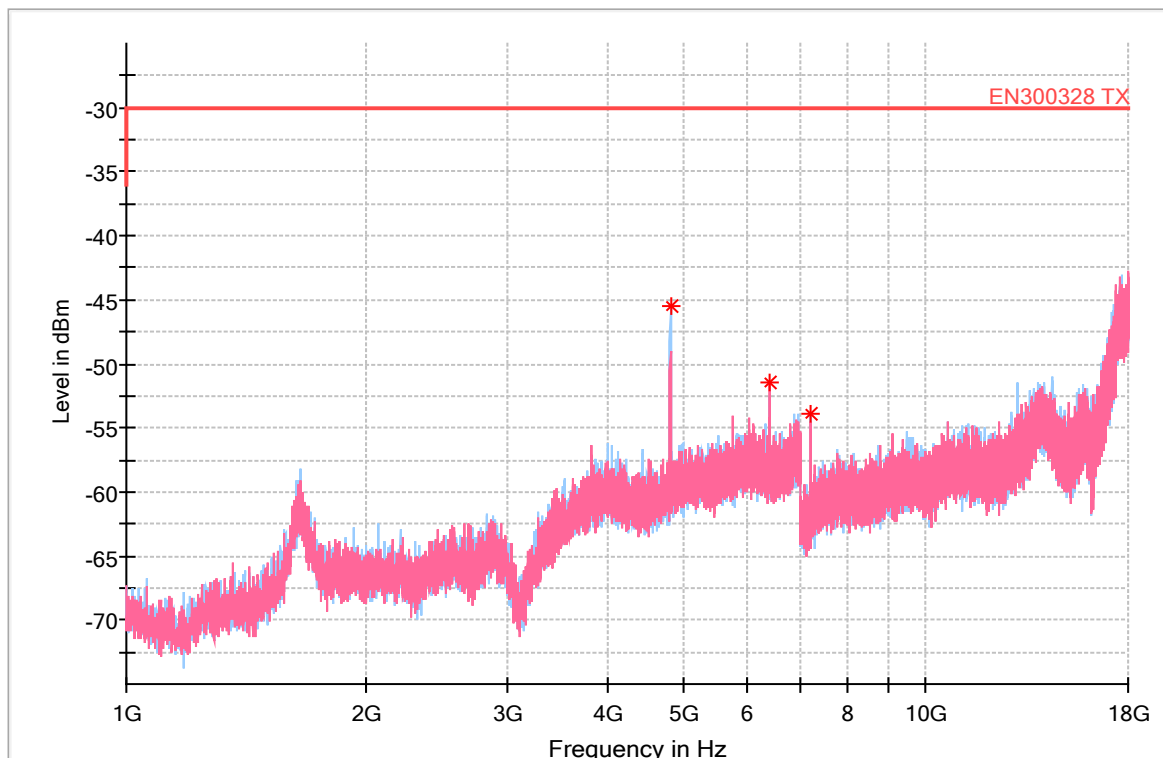
## Hardware Setup: EMI radiated\30MHz to 1GHz (dBm) - [EMI radiated]

### Subrange 1

Frequency Range:	25 MHz - 1 GHz
Receiver:	ESR 26 [ESR 26] @ VISA (ADR TCPIP::172.16.0.147::INST0::INSTR), SN 1316.3003K26/101398, FW 3.66
Signal Path:	Cable FW 1.0 Correction Table: 31 OCT 30MHz-6GHz
Antenna:	BiconiLog Antenna (dBm) Correction Table (vertical): EW-3061 Antenna Factor Vertical in dBm Correction Table (horizontal): EW-3061 Antenna Factor Horizontal in dBm Correction Table (vertical): Attenuation Correction Table 25MHz-40GHz(Final) Correction Table (horizontal): Attenuation Correction Table 25MHz-40GHz(Final)
Antenna Tower:	Maturo Antenna Tower [Maturo NCD Antenna Tower] @ LAN (ADR 172.16.0.148:200), FW maturo,TAM4.0-E/342,3.0.10.5111
Turntable:	EMCO Turntable [EMCO Turntable] @ GPIB0 (ADR 8), FW REV 3.21

## Common Information

Job No.	24041327
EUT Name	
Client Name	Toys & Hardlines
Model No.	18723
Operating Mode	TX BT 2402 Above 1G
Testing Spec.	EN300328
Tested By	Tommy
Comment	16 May 2024
Temperature & Humidity	19.7°C 53%



### Final Result

Frequency (MHz)	MaxPeak (dBm)	Average (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
---	---	---	---	---	---		---	---

### Critical Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
4803.750000	-45.55	-30.00	15.55	100.0	H	58.0	-100.9
6405.468750	-51.43	-30.00	21.43	100.0	V	195.0	-95.6
7205.531250	-53.97	-30.00	23.97	200.0	H	342.0	-97.6

### Hardware Setup: EMI radiated\1GHz to 18GHz (dBm) - [EMI radiated]

Subrange 1

Frequency Range: 1 GHz - 18 GHz

Receiver: ESR 26 [ESR 26]  
@ VISA (ADR TCPIP::172.16.0.147::INST0::INSTR), SN 1316.3003K26/101398, FW 3.66

Signal Path: Cable & apm  
FW 1.0  
Correction Table: 31 OCT 1-18GHz pre amp

Antenna: Horn Antenna (dBm)  
Correction Table (vertical): Horn Antenna (dBm)  
Correction Table (horizontal): Horn Antenna (dBm)  
Correction Table (vertical): Attenuation Correction Table 25MHz-40GHz(Final)  
Correction Table (horizontal): Attenuation Correction Table 25MHz-40GHz(Final)

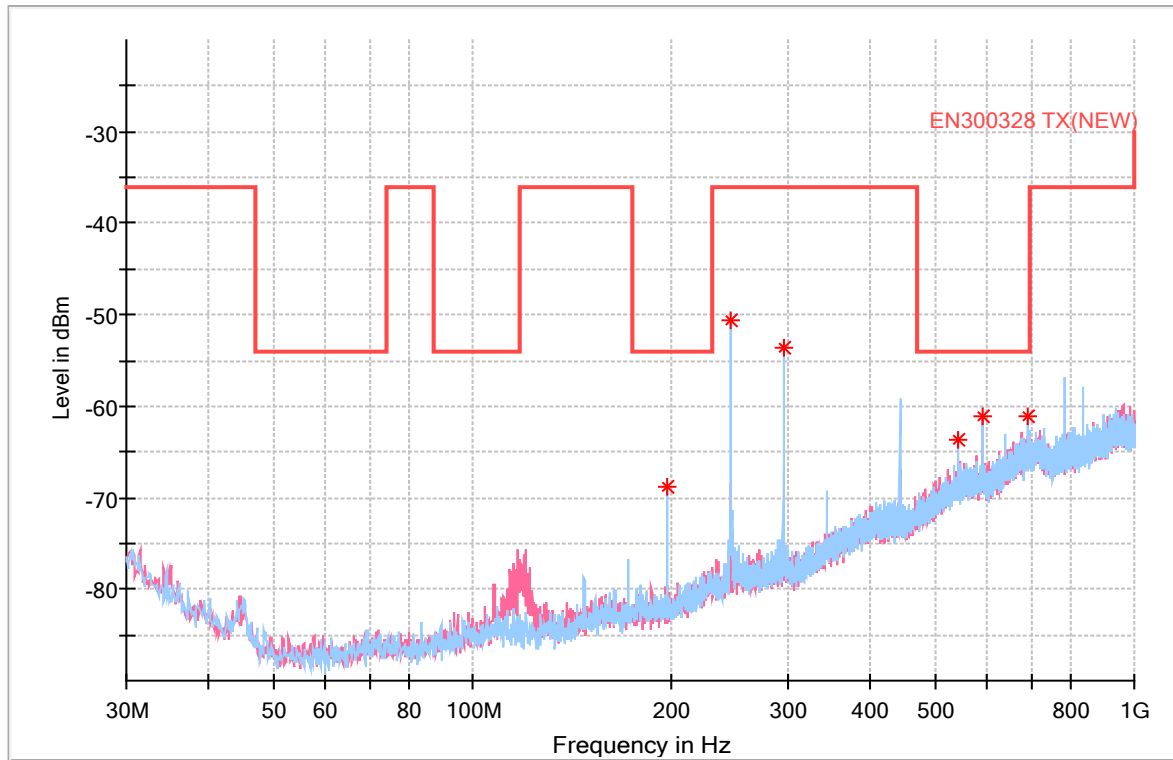
Antenna Tower: Maturo Antenna Tower [Maturo NCD Antenna Tower]

Turntable:

@ LAN (ADR 172.16.0.148:200), FW  
 maturo,TAM4.0-E/342,3.0.10.5111  
 EMCO Turntable [EMCO Turntable]  
 @ GPIB0 (ADR 8), FW REV 3.21

### Common Information

Job No. 24041327  
 EUT Name  
 Client Name Toys & Hardlines  
 Model No. 18723  
 Operating Mode TX BT 2402 Below 1G  
 Testing Spec. EN300328  
 Tested By Tommy  
 Comment 16 May 2024  
 Temperature & Humidity 19.7°C 53%



### Final Result

Frequency (MHz)	MaxPeak (dBm)	QuasiPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
---	---	---	---	---	---	---	---	---

### Critical Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
196.597500	-68.70	-54.00	14.70	100.0	H	347.0	-82.6
245.703750	-50.61	-36.00	14.61	200.0	H	279.0	-79.9
294.931250	-53.62	-36.00	17.62	200.0	H	77.0	-79.0
540.583750	-63.62	-54.00	9.62	200.0	H	193.0	-70.2

589.811250	-61.06	-54.00	7.06	100.0	V	344.0	-70.1
688.023750	-61.03	-54.00	7.03	100.0	H	0.0	-67.6

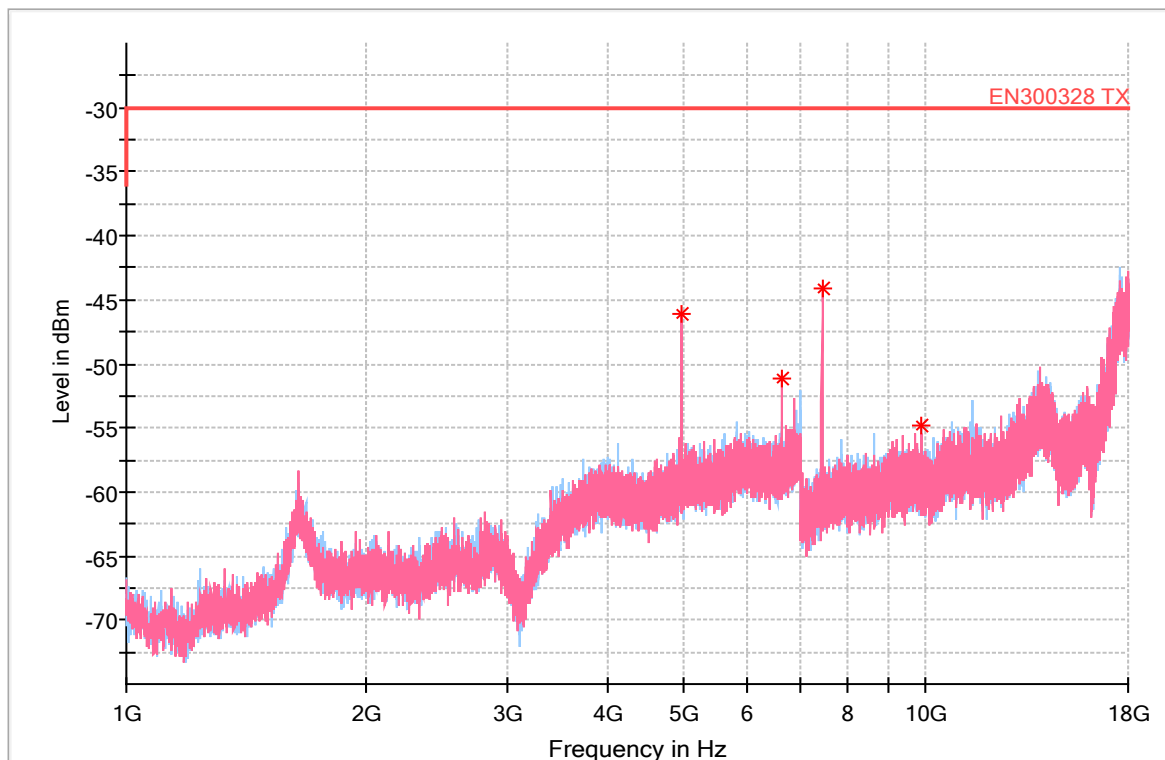
## Hardware Setup: EMI radiated\30MHz to 1GHz (dBm) - [EMI radiated]

### Subrange 1

Frequency Range:	25 MHz - 1 GHz
Receiver:	ESR 26 [ESR 26] @ VISA (ADR TCPIP::172.16.0.147::INST0::INSTR), SN 1316.3003K26/101398, FW 3.66
Signal Path:	Cable FW 1.0 Correction Table: 31 OCT 30MHz-6GHz
Antenna:	BiconiLog Antenna (dBm) Correction Table (vertical): EW-3061 Antenna Factor Vertical in dBm Correction Table (horizontal): EW-3061 Antenna Factor Horizontal in dBm Correction Table (vertical): Attenuation Correction Table 25MHz-40GHz(Final) Correction Table (horizontal): Attenuation Correction Table 25MHz-40GHz(Final)
Antenna Tower:	Maturo Antenna Tower [Maturo NCD Antenna Tower] @ LAN (ADR 172.16.0.148:200), FW maturo,TAM4.0-E/342,3.0.10.5111
Turntable:	EMCO Turntable [EMCO Turntable] @ GPIB0 (ADR 8), FW REV 3.21

## Common Information

Job No.	24041327
EUT Name	
Client Name	Toys & Hardlines
Model No.	18723
Operating Mode	TX BT 2480 Above 1G
Testing Spec.	EN300328
Tested By	Tommy
Comment	16 May 2024
Temperature & Humidity	19.7°C 53%



### Final Result

Frequency (MHz)	MaxPeak (dBm)	Average (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
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### Critical Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
4959.937500	-46.12	-30.00	16.12	200.0	V	248.0	-99.9
6613.718750	-51.12	-30.00	21.12	200.0	V	184.0	-95.0
7439.812500	-44.04	-30.00	14.04	100.0	V	1.0	-96.6
9920.218750	-54.78	-30.00	24.78	200.0	H	236.0	-91.3

### Hardware Setup: EMI radiated\1GHz to 18GHz (dBm) - [EMI radiated]

Subrange 1

Frequency Range: 1 GHz - 18 GHz

Receiver: ESR 26 [ESR 26]  
@ VISA (ADR TCPIP::172.16.0.147::INST0::INSTR), SN 1316.3003K26/101398, FW 3.66

Signal Path: Cable & apm

FW 1.0

Correction Table: 31 OCT 1-18GHz pre amp

Antenna: Horn Antenna (dBm)

Correction Table (vertical): Horn Antenna (dBm)

Correction Table (horizontal): Horn Antenna (dBm)

Correction Table (vertical): Attenuation Correction Table 25MHz-40GHz(Final)

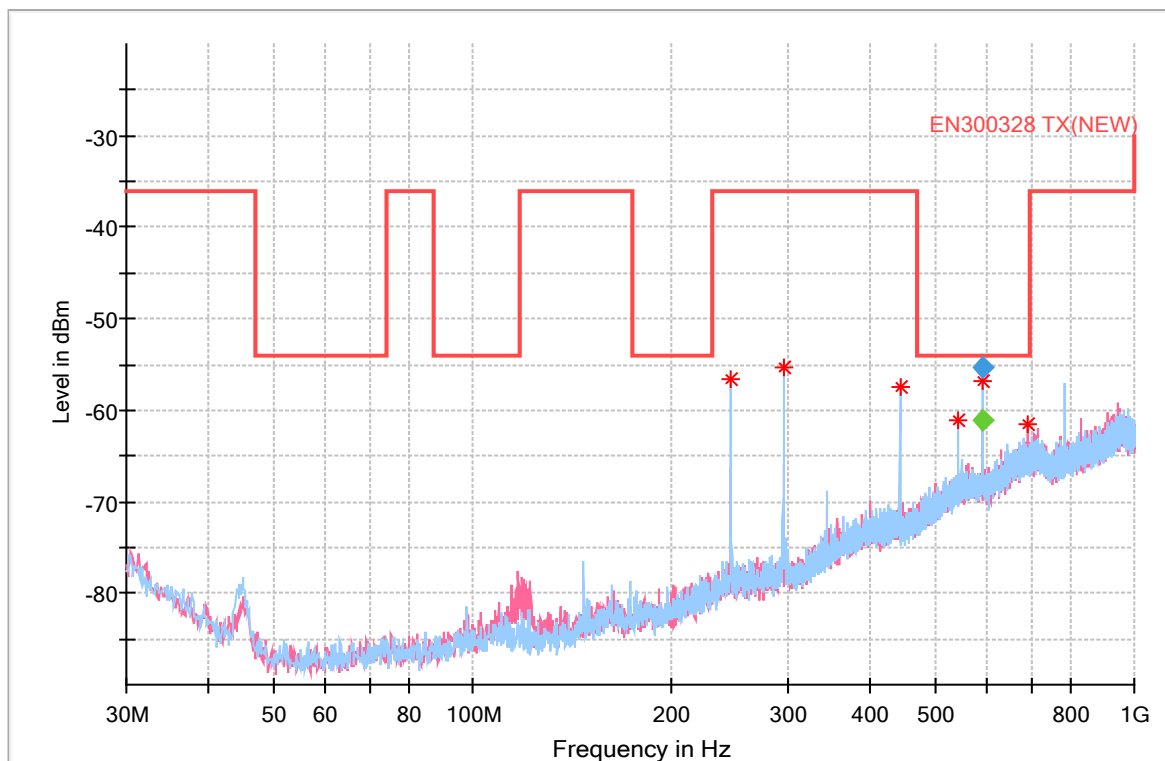
Correction Table (horizontal): Attenuation Correction Table 25MHz-40GHz(Final)

Antenna Tower: Maturo Antenna Tower [Maturo NCD Antenna Tower]  
 @ LAN (ADR 172.16.0.148:200), FW  
 maturo,TAM4.0-E/342,3.0.10.5111

Turntable: EMCO Turntable [EMCO Turntable]  
 @ GPIB0 (ADR 8), FW REV 3.21

### Common Information

Job No. 24041327  
 EUT Name  
 Client Name Toys & Hardlines  
 Model No. 18723  
 Operating Mode TX BT 2480 Below 1G  
 Testing Spec. EN300328  
 Tested By Tommy  
 Comment 16 May 2024  
 Temperature & Humidity 19.7°C 53%



### Final Result

Frequency (MHz)	MaxPeak (dBm)	QuasiPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
589.819950	---	-61.07	-54.00	7.07	200.0	H	20.0	-70.1
589.819950	-55.41	---	-54.00	1.41	200.0	H	20.0	-70.1

### Critical Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
245.703750	-56.55	-36.00	20.55	200.0	H	86.0	-79.9
294.931250	-55.40	-36.00	19.40	200.0	H	102.0	-79.0

442.371250	-57.48	-36.00	21.48	100.0	H	238.0	-73.8
540.705000	-61.13	-54.00	7.13	200.0	H	202.0	-70.2
589.819950	-56.88	-54.00	2.88	200.0	H	20.0	-70.1
688.145000	-61.54	-54.00	7.54	100.0	V	294.0	-67.6

## Hardware Setup: EMI radiated\30MHz to 1GHz (dBm) - [EMI radiated]

### Subrange 1

Frequency Range:	25 MHz - 1 GHz
Receiver:	ESR 26 [ESR 26] @ VISA (ADR TCPIP::172.16.0.147::INST0::INSTR), SN 1316.3003K26/101398, FW 3.66
Signal Path:	Cable FW 1.0 Correction Table: 31 OCT 30MHz-6GHz
Antenna:	BiconiLog Antenna (dBm) Correction Table (vertical): EW-3061 Antenna Factor Vertical in dBm Correction Table (horizontal): EW-3061 Antenna Factor Horizontal in dBm Correction Table (vertical): Attenuation Correction Table 25MHz-40GHz(Final) Correction Table (horizontal): Attenuation Correction Table 25MHz-40GHz(Final)
Antenna Tower:	Maturo Antenna Tower [Maturo NCD Antenna Tower] @ LAN (ADR 172.16.0.148:200), FW maturo,TAM4.0-E/342,3.0.10.5111
Turntable:	EMCO Turntable [EMCO Turntable] @ GPIB0 (ADR 8), FW REV 3.21

## POINTS TO NOTE

### 1) Labelling/ Marking/ Instruction Information

**Manufacturers** shall ensure that radio equipment which they have placed on the market **bears a type, batch or serial number or other element allowing its identification**, or, where the size or nature of the radio equipment does not allow it, that the required information is provided on the packaging, or in a document accompanying the radio equipment.

**Manufacturers and Importers** shall indicate on the radio equipment **their name, registered trade name or registered trade mark and the postal address** at which they can be contacted or, where the size or nature of radio equipment does not allow it, on its packaging, or in a document accompanying the radio equipment. The address shall indicate a single point at which the manufacturer can be contacted. The contact details shall be in a language easily understood by end-users and market surveillance authorities.

**Manufacturers and Importers** shall ensure that the radio equipment is **accompanied by instructions and safety information** in a language which can be easily understood by consumers and other end-users, as determined by the Member State concerned.

Instructions shall include the information required to use radio equipment in accordance with its intended use. Such information shall include, where applicable, a **description of accessories and components, including software**, which allow the radio equipment to operate as intended. Such instructions and safety information, as well as any labelling, shall be clear, understandable and intelligible.

The following information shall also be included in the case of radio equipment intentionally emitting radio waves:

- (a) **frequency band(s) in which the radio equipment operates;**
- (b) **maximum radio-frequency power transmitted in the frequency band(s) in which the radio equipment operates.**

## POINTS TO NOTE

### 2) Declaration of conformity

There are many Directives and Standards in place, and you should assure yourself that the correct ones have been applied to your product.

The attached blank Declaration of Conformity complies with the format published in the Official Journal of the European Community. To complete the form:

1. List all applicable Directives, by number.  
e.g. 88/378/EEC for Toy Directive  
2014/30/EU for EMC Directive  
2014/35/EU for Low Voltage Directive  
93/68/EEC for CE Marking Directive  
2014/53/EU for Radio Equipment Directive
2. List the **relevant harmonised standards** under these Directives to which conformity is being declared. Intertek Testing Services test report(s) which you should retain to support your declaration contain this information.
3. Add manufacturer's or authorised representative's name and address. The authorised representatives should be located within the EU.
4. Specify the product, type, batch or serial number of equipment.
5. The Declaration of Conformity should be signed by the manufacturer or his authorized representative established within the EU.

#### NOTES:

THE IMPORTERS, MANUFACTURERS OR AUTHORIZED REPRESENTATIVE MUST KEEP THE DECLARATION OF CONFORMITY AND THE TEST REPORTS AT THE DISPOSAL OF THE AUTHORITIES FOR A PERIOD OF TEN YEARS AFTER THE EQUIPMENT HAS BEEN PLACED ON THE MARKET.

## EU DECLARATION OF CONFORMITY (No Xxxx) <sup>(1)</sup>

1. Radio Equipment (Product, type, batch or serial number):  
.....
2. Name and Address of manufacturer or his authorised representative:  
.....
3. This declaration of conformity is issued under the sole responsibility of the manufacturer.  
.....
4. Object of the declaration (identification of the radio equipment allowing traceability; it may include a colour image of sufficient clarity where necessary for the identification of the radio equipment):  
.....
5. The object of the declaration described above is in conformity with the relevant Union harmonisation legislation: e.g. Directive 2014/53/EU  
.....  
Other Union harmonisation legislation where applicable  
.....
6. References to the relevant harmonised standards used or references to the other technical specifications in relation to which conformity is declared. References must be listed with their identification number and version and, where applicable, date of issue:  
.....
7. Where applicable, the notified body (name, number) performed (description of intervention) and issued the EU-type examination certificate:  
.....
8. Where applicable, description of accessories and components, including software, which allow the radio equipment to operate as intended and covered by the EU declaration of conformity:  
.....
9. Additional information:  
.....

Signed for and on behalf of: .....

(place and date of issue): .....

(name, function) (signature): .....

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<sup>(1)</sup> It is optional for the manufacturer to assign a number to the declaration of conformity.