

Test report No: 6225516.50

TEST REPORT

Radio Spectrum Matters (RF)

Identification of item tested	HOME TRAINER INTERACTIF RCR
Trademark	DECATHLON
Model and /or type reference	D900V2
Model Code	347879
Features	For main part: 48 Vdc. 1.37 A For adapter: Input: 100-240 V~, 50/60 Hz, 2,0 A, Class I Output: 48 Vdc, 1.37 A, 65.76 W
FCC ID	2A8UO-D900V2
Applicant's name / address	DECATHLON AMERICA LLC 275 Battery Street, Suite 480, San Francisco, California 94111, United States
Test method requested, standard	FCC CFR Title 47 Part 15 Subpart C Section 15.247 ANSI C63.10-2020
Verdict Summary	IN COMPLIANCE
Prepared by (name / position & signature)	Adrian Shi Technical Supervisor 
Approved by (name / position & signature)	Lei Chen Senior Project Manager 
Date of issue	2025-11-22
Report template No	TRF_Part15C_247_RF03 V1.0

INDEX

	page
Competences and Guarantees	4
General conditions	4
Uncertainty	4
Environmental conditions.....	5
Possible test case verdicts.....	5
Definition of symbols used in this test report	5
Abbreviations.....	5
Document History	6
Remarks and Comments	6
1 General Information.....	7
1.1 General Description of the Item(s).....	7
1.2 Test date.....	8
2 Description of Test Setup.....	9
2.1 Operating mode(s) used for tests	9
2.2 Support / Auxiliary equipment / unit / software for the EUT	9
2.3 Test Configuration / Block diagram used for tests.....	9
3 Verdict summary section.....	10
3.1 Standards.....	10
3.2 Deviation(s) from the Standard(s) / Test Specification(s).....	10
3.3 Overview of results	10
3.4 Test Facility	10
3.5 Measurement procedure.....	11
4 Test Results.....	12
4.1 AC Power Line Conducted Emission	12
4.2 Emissions in restricted frequency bands	15
4.3 Emissions in non-restricted frequency band	27
4.4 Duty Cycle.....	33
4.5 Radiated Emission Band Edge.....	34
4.6 DTS Bandwidth & Occupied Bandwidth	39
4.7 Fundamental emission output power	44
4.8 Power Spectral Density	47
4.9 Antenna Requirement	50
5 Identification of the Equipment Under Test	51
Annex 1 – Measurement Uncertainty	52



Annex 2 – Used Equipment.....53

COMPETENCES AND GUARANTEES

DEKRA is a testing laboratory competent to carry out the tests described in this report.

In order to assure the traceability to other national and international laboratories, DEKRA has a calibration and maintenance program for its measurement equipment.

DEKRA guarantees the reliability of the data presented in this report, which is the result of the measurements and the tests performed to the item under test on the date and under the conditions stated in the report and it is based on the knowledge and technical facilities available at DEKRA at the time of performance of the test.

DEKRA is liable to the client for the maintenance of the confidentiality of all information related to the item under test and the results of the test.

The results presented in this Test Report apply only to the particular item under test established in this document.

IMPORTANT: No parts of this report may be reproduced or quoted out of context, in any form or by any means, except in full, without the previous written permission of DEKRA.

GENERAL CONDITIONS

1. This report is only referred to the item that has undergone the test.
2. This report does not constitute or imply on its own an approval of the product by the Certification Bodies or Competent Authorities.
3. This document is only valid if complete; no partial reproduction can be made without previous written permission of DEKRA.
4. This test report cannot be used partially or in full for publicity and/or promotional purposes without previous written permission of DEKRA.
5. The information provided by the customer in this report may affect the validity of the results, the test lab is not responsible for it.
6. This report will not be used for social proof function in China market.

UNCERTAINTY

For all measurements where guidance for the calculation of the instrumentation uncertainty of a measurement is specified in the product standard, the measurement instrumentation uncertainty has been calculated and applied in accordance with these standards.

Uncertainties have been calculated according to the Dekra internal document. The reported expanded uncertainties are based on a standard uncertainty multiplied by a coverage factor of $k=2$, providing a level of confidence of approximately 95%. Refer to the Annex 1 for further information.

The measurement result is considered in conformance with the requirement if it is within the prescribed limit, It is not necessary to calculate the uncertainty associated with the measurement result, unless the specification, standard or customer have special requirements.

ENVIRONMENTAL CONDITIONS

The climatic conditions during the tests are within the limits specified by the manufacturer for the operation of the EUT and the test equipment. The climatic conditions during the tests were within the following limits:

Ambient temperature	15 °C – 35 °C
Relative Humidity air	30% - 60%
Atmospheric pressure	86 kPa – 106 kPa

If explicitly required in the basic standard or applied product / product family standard the climatic values are recorded and documented separately in this test report.

POSSIBLE TEST CASE VERDICTS

Test case does not apply to test object	N/A
Test object does meet requirement	P (Pass) / PASS
Test object does not meet requirement	F (Fail) / FAIL
Not measured	N/M

DEFINITION OF SYMBOLS USED IN THIS TEST REPORT

☒ Indicates that the listed condition, standard or equipment is applicable for this report/test/EUT.			
☐ Indicates that the listed condition, standard or equipment is not applicable for this report/test/EUT.			
Decimal separator used in this report	☒	Comma (,)	☐ Point (.)

ABBREVIATIONS

For the purposes of the present document, the following abbreviations apply:

EUT	: Equipment Under Test
QP	: Quasi-Peak
CAV	: CISPR Average
AV	: Average
CDN	: Coupling Decoupling Network
SAC	: Semi-Anechoic Chamber
OATS	: Open Area Test Site
BW	: Bandwidth
AM	: Amplitude Modulation
PM	: Pulse Modulation
HCP	: Horizontal Coupling Plane
VCP	: Vertical Coupling Plane
U_N	: Nominal voltage
Tx	: Transmitter
Rx	: Receiver
N/A	: Not Applicable
N/M	: Not Measured

DOCUMENT HISTORY

Report nr.	Date	Description
6225516.50	2025-11-22	First release.

REMARKS AND COMMENTS

The equipment under test (EUT) does meet the essential requirements of the stated standard(s)/test(s).

The test results relate only to the samples tested.

This report shall not be reproduced, except in full, without the written approval.

1 GENERAL INFORMATION

1.1 General Description of the Item(s)

Description of the item..... :	HOME TRAINER INTERACTIF RCR
Model / Type number..... :	D900V2
Model Code	347879
S/N	P010239700G154W0003
Trademark..... :	DECATHLON
FCC ID..... :	2A8UO-D900V2
Test Sample Number..... :	6225516-1
Hardware Version	V1.0
Software Version	0.103
Manufacturer	DECATHLON SE 4 boulevard de Mons 59650 Villeneuve D'Ascq FRANCE

Mode of Operation	Bluetooth BLE
Operating frequency range(s)	2402~2480 MHz
Type of Modulation	GFSK
PHYS	☒ LE 1M ☐ LE 2M ☐ LE Coded S=2/8
Data Rate	☒ 1 Mbps ☐ 2 Mbps ☐ 500/125 Kbps
Antenna type	PCB Antenna
Antenna gain	-1.27 dBi
Number of channel..... :	40
Operating Temperature Range	-10 ~ 40°C

Rated power supply..... :	Voltage and Frequency	Reference poles				
		L1	L2	L3	N	PE
	☒ AC: 120 V, 50/60 Hz	☒	☐	☐	☒	☐
	☐ DC:					
	☐ Battery:					
Mounting position..... :	☐ Table top equipment					
	☐ Wall/Ceiling mounted equipment					
	☒ Floor standing equipment					
	☐ Hand-held equipment					
	☐ Other:					

Note: Antenna information was provided from applicant.

Intended use of the Equipment Under Test (EUT)
The product is HOME TRAINER INTERACTIF RCR which supports bluetooth and 2.4G ANT+ function.

1.2 **Test date**

Test Location	DEKRA Testing and Certification (Shanghai) Ltd. No.250, Jiangchangsan Road, Jing'an District, Shanghai, China
Date of receipt of test item	2025-04-25
Date (s) of performance of tests	2025-04-28~2025-05-28

2 DESCRIPTION OF TEST SETUP

2.1 Operating mode(s) used for tests

During the tests the following operating mode(s) has(have) been used.

Operating mode	Operating mode description	Used for methos	
		Conducted	Radiated
1	Transmitting	☒	☒
2	--	☐	☐
Supplemental information: ---			

2.2 Support / Auxiliary equipment / unit / software for the EUT

The EUT has been tested with the following auxiliary equipment / unit / software:

Auxiliary equipment / unit /software	Type / Version	S/N	Manufacturer	Supplied by
nrfgostudio	win-64_v2.4.0	N/A	Nordic	Applicant
AC/DC Adapter	AC100-240V~50/60Hz DC12V,4A,48W	A2406429773	GVE	Applicant
Laptop	Latitude 5488	5CD242FLCF	DELL	DEKRA
Supplemental information: ---				

2.3 Test Configuration / Block diagram used for tests

Refer to Annex 3.

3 VERDICT SUMMARY SECTION

This chapter presents an overview of standards and results. Refer to the next chapters for details of measured test results and applied test levels.

3.1 Standards

Standard	Year	Description
FCC CFR Title 47 Part 15 Subpart C Section 15.247	2022	Operation within the bands 902–928 MHz, 2400–2483.5 MHz, and 5725–5850 MHz.
ANSI C63.10	2020	American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices

3.2 Deviation(s) from the Standard(s) / Test Specification(s)

The following deviation(s) was / were made from the published requirements of the listed standards: N/A.

3.3 Overview of results

FCC measurement			
Requirement – Test case	Basic standard(s)	Verdict	Remark
AC Power Line Conducted Emission	FCC 15.207	PASS	---
Emissions in restricted frequency bands	FCC 15.247(d), 15.209, 15.205	PASS	---
Duty cycle	ANSI C63.10-2020	PASS	---
Emissions in non-restricted frequency bands	FCC 15.247(d)	PASS	---
Radiated Emission Band Edge	FCC 15.247(d), 15.209, 15.205	PASS	---
Fundamental emission output power	FCC 15.247(b)(3)	PASS	---
DTS Bandwidth	FCC 15.247(a)(2)	PASS	---
Power Spectral Density	FCC 15.247(e)	PASS	---
Antenna Requirement	FCC 15.203	PASS	---
Supplementary information: ---			

3.4 Test Facility

FCC Designation Number	:	CN1358
------------------------	---	--------

3.5 **Measurement procedure**

The EUT was controlled by USB Cable provided by applicant which connected to laptop. After connected, run the software “nrfgostudio” supplied by manufacturer to control the EUT work in required test mode as below table.

Mode	Modulation	Data Rate	Channel Number	Frequency (MHz)	Power Setting
BLE	GFSK	1Mbps	00	2402	1
			19	2440	1
			39	2480	1

4 TEST RESULTS

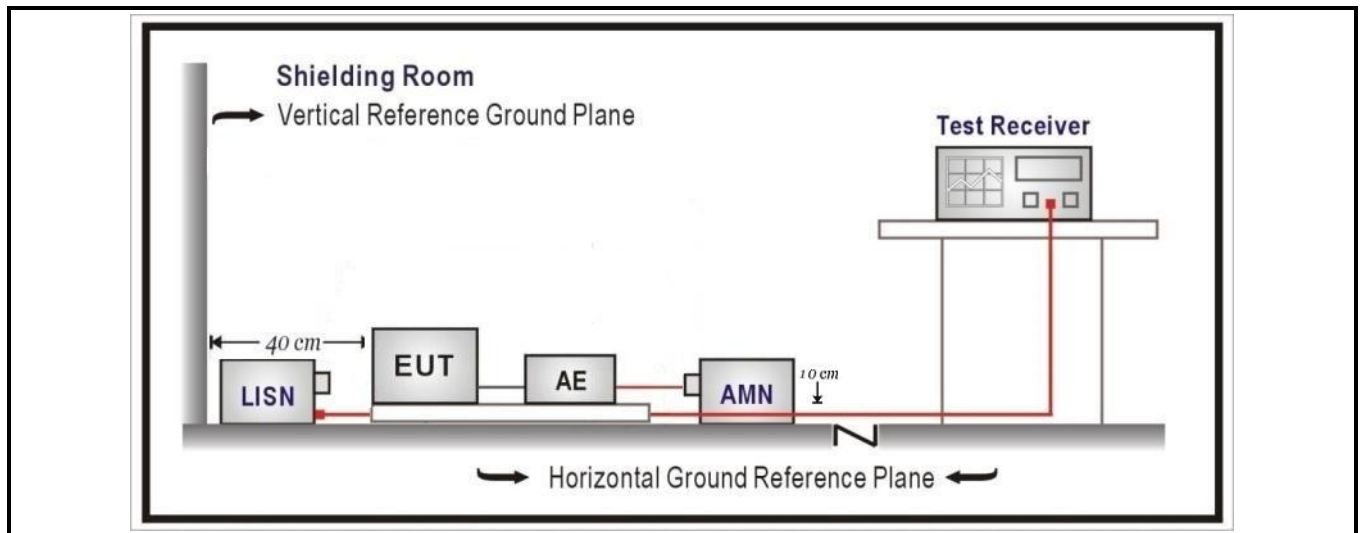
4.1	AC Power Line Conducted Emission	VERDICT: PASS
-----	----------------------------------	---------------

Limit

FCC Part 15 Subpart C Paragraph 15.207				
Frequency range [MHz]	Limit: QP [dB(μV) ¹⁾]	Limit: AV [dB(μV) ¹⁾]	IF BW	Detector(s)
0,15 - 0,50	66 - 56 ²⁾	56 - 46 ²⁾	9 KHz	QP, AV
0,50 - 5,0	56	46	9 KHz	QP, AV
5,0 - 30	60	50	9 KHz	QP, AV

¹⁾ At the transition frequency, the lower limit applies.
²⁾ The limit decreases linearly with the logarithm of the frequency.

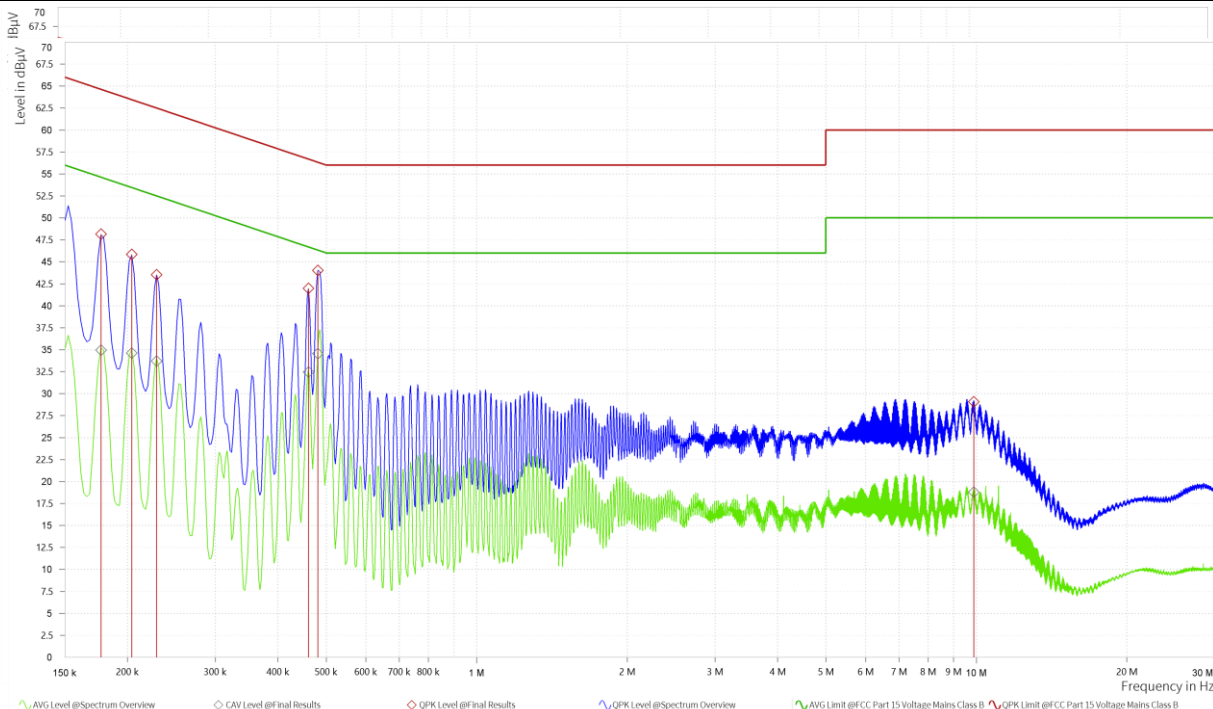
Test Configuration

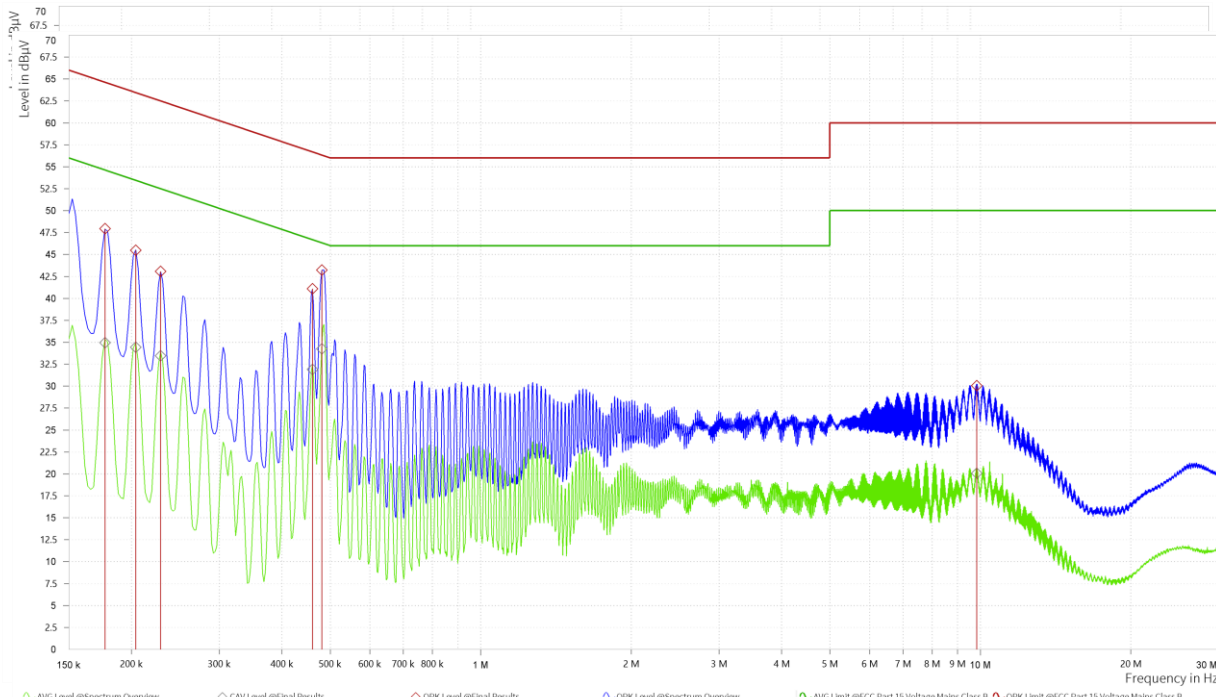


Performed measurements

Port under test			Terminal							
☒	AC mains input power		☒	N	☒	L1	☐	L2	☐	L3
☐	DC input power		☐	Positive (+)			☐	Negative (-)		
Test method applied			☒	Artificial mains network						
			☐	Voltage probe						
Test setup			☐	Table top	☐	Artificial hand applied				
			☒	Floor standing	☐	Other:				
			Refer to the Annex 2 for test setup photo(s).							
Operating mode(s) used			Mode 1							
Remark			---							

See next page.

Measurement data		Port under test	AC mains input power / L1																																																															
Operating mode / voltage / frequency used during the test			Mode 1 / AC120V/60Hz																																																															
 70 67.5 65 62.5 60 57.5 55 52.5 50 47.5 45 42.5 40 37.5 35 32.5 30 27.5 25 22.5 20 17.5 15 12.5 10 7.5 5 2.5 0 150 k 200 k 300 k 400 k 500 k 600 k 700 k 800 k 1 M 2 M 3 M 4 M 5 M 6 M 7 M 8 M 9 M 10 M 20 M 30 M Level in dBµV Frequency in Hz AVG Level @Spectrum Overview CAV Level @Final Results QPK Level @Final Results QPK Level @Spectrum Overview AVG Limit @FCC Part 15 Voltage Mains Class B QPK Limit @FCC Part 15 Voltage Mains Class B																																																																		
EMI Final Results <table><tr><th>Frequency [MHz]</th><th>QPK Level [dBµV]</th><th>QPK Limit [dBµV]</th><th>QPK Margin [dB]</th><th>CAV Level [dBµV]</th><th>CAV: AVG Limit [dBµV]</th><th>CAV Margin [dB]</th><th>Correction [dB]</th><th>Line</th></tr><tr><td>0.177</td><td>48.16</td><td>64.63</td><td>16.47</td><td>34.94</td><td>54.63</td><td>19.68</td><td>9.65</td><td>L1</td></tr><tr><td>0.204</td><td>45.84</td><td>63.45</td><td>17.61</td><td>34.60</td><td>53.45</td><td>18.84</td><td>9.66</td><td>L1</td></tr><tr><td>0.229</td><td>43.52</td><td>62.49</td><td>18.97</td><td>33.70</td><td>52.49</td><td>18.79</td><td>9.67</td><td>L1</td></tr><tr><td>0.461</td><td>41.96</td><td>56.68</td><td>14.72</td><td>32.44</td><td>46.68</td><td>14.24</td><td>9.71</td><td>L1</td></tr><tr><td>0.481</td><td>44.00</td><td>56.33</td><td>12.33</td><td>34.55</td><td>46.33</td><td>11.77</td><td>9.71</td><td>L1</td></tr><tr><td>9.875</td><td>29.05</td><td>60.00</td><td>30.95</td><td>18.77</td><td>50.00</td><td>31.23</td><td>9.87</td><td>L1</td></tr></table> 1. QPK Level [dBµV]=Reading QPK Level [dBµV] + Correction [dB] 2. CAV Level [dBµV]=Reading CAV Level [dBµV] + Correction [dB] 3. Correction [dB]= AMN VDF [dB] + Cable Loss [dB]				Frequency [MHz]	QPK Level [dBµV]	QPK Limit [dBµV]	QPK Margin [dB]	CAV Level [dBµV]	CAV: AVG Limit [dBµV]	CAV Margin [dB]	Correction [dB]	Line	0.177	48.16	64.63	16.47	34.94	54.63	19.68	9.65	L1	0.204	45.84	63.45	17.61	34.60	53.45	18.84	9.66	L1	0.229	43.52	62.49	18.97	33.70	52.49	18.79	9.67	L1	0.461	41.96	56.68	14.72	32.44	46.68	14.24	9.71	L1	0.481	44.00	56.33	12.33	34.55	46.33	11.77	9.71	L1	9.875	29.05	60.00	30.95	18.77	50.00	31.23	9.87	L1
Frequency [MHz]	QPK Level [dBµV]	QPK Limit [dBµV]	QPK Margin [dB]	CAV Level [dBµV]	CAV: AVG Limit [dBµV]	CAV Margin [dB]	Correction [dB]	Line																																																										
0.177	48.16	64.63	16.47	34.94	54.63	19.68	9.65	L1																																																										
0.204	45.84	63.45	17.61	34.60	53.45	18.84	9.66	L1																																																										
0.229	43.52	62.49	18.97	33.70	52.49	18.79	9.67	L1																																																										
0.461	41.96	56.68	14.72	32.44	46.68	14.24	9.71	L1																																																										
0.481	44.00	56.33	12.33	34.55	46.33	11.77	9.71	L1																																																										
9.875	29.05	60.00	30.95	18.77	50.00	31.23	9.87	L1																																																										
Remark																																																																		

Measurement data			Port under test	AC mains input power / N																																																															
Operating mode / voltage / frequency used during the test				Mode 1 / AC120V/60Hz																																																															
 Level in dBµV Frequency in Hz Legend: AVG Level @Spectrum Overview, CAV Level @Final Results, QPK Level @Final Results, QPK Level @Spectrum Overview, AVG Limit @FCC Part 15 Voltage Mains Class B, QPK Limit @FCC Part 15 Voltage Mains Class B																																																																			
EMI Final Results <table><tr><th>Frequency [MHz]</th><th>QPK Level [dBµV]</th><th>QPK Limit [dBµV]</th><th>QPK Margin [dB]</th><th>CAV Level [dBµV]</th><th>CAV: AVG Limit [dBµV]</th><th>CAV Margin [dB]</th><th>Correction [dB]</th><th>Line</th></tr><tr><td>0.177</td><td>47.92</td><td>64.63</td><td>16.70</td><td>34.94</td><td>54.63</td><td>19.68</td><td>9.66</td><td>N</td></tr><tr><td>0.204</td><td>45.48</td><td>63.45</td><td>17.96</td><td>34.41</td><td>53.45</td><td>19.03</td><td>9.69</td><td>N</td></tr><tr><td>0.229</td><td>43.07</td><td>62.49</td><td>19.42</td><td>33.43</td><td>52.49</td><td>19.06</td><td>9.70</td><td>N</td></tr><tr><td>0.461</td><td>41.08</td><td>56.68</td><td>15.60</td><td>31.91</td><td>46.68</td><td>14.78</td><td>9.74</td><td>N</td></tr><tr><td>0.481</td><td>43.21</td><td>56.33</td><td>13.12</td><td>34.23</td><td>46.33</td><td>12.09</td><td>9.74</td><td>N</td></tr><tr><td>9.825</td><td>30.04</td><td>60.00</td><td>29.96</td><td>20.07</td><td>50.00</td><td>29.93</td><td>9.81</td><td>N</td></tr></table> 1. QPK Level [dBµV]=Reading QPK Level [dBµV] + Correction [dB] 2. CAV Level [dBµV]=Reading CAV Level [dBµV] + Correction [dB] 3. Correction [dB]= AMN VDF [dB] + Cable Loss [dB]					Frequency [MHz]	QPK Level [dBµV]	QPK Limit [dBµV]	QPK Margin [dB]	CAV Level [dBµV]	CAV: AVG Limit [dBµV]	CAV Margin [dB]	Correction [dB]	Line	0.177	47.92	64.63	16.70	34.94	54.63	19.68	9.66	N	0.204	45.48	63.45	17.96	34.41	53.45	19.03	9.69	N	0.229	43.07	62.49	19.42	33.43	52.49	19.06	9.70	N	0.461	41.08	56.68	15.60	31.91	46.68	14.78	9.74	N	0.481	43.21	56.33	13.12	34.23	46.33	12.09	9.74	N	9.825	30.04	60.00	29.96	20.07	50.00	29.93	9.81	N
Frequency [MHz]	QPK Level [dBµV]	QPK Limit [dBµV]	QPK Margin [dB]	CAV Level [dBµV]	CAV: AVG Limit [dBµV]	CAV Margin [dB]	Correction [dB]	Line																																																											
0.177	47.92	64.63	16.70	34.94	54.63	19.68	9.66	N																																																											
0.204	45.48	63.45	17.96	34.41	53.45	19.03	9.69	N																																																											
0.229	43.07	62.49	19.42	33.43	52.49	19.06	9.70	N																																																											
0.461	41.08	56.68	15.60	31.91	46.68	14.78	9.74	N																																																											
0.481	43.21	56.33	13.12	34.23	46.33	12.09	9.74	N																																																											
9.825	30.04	60.00	29.96	20.07	50.00	29.93	9.81	N																																																											
Remark																																																																			

4.2	Emissions in restricted frequency bands	VERDICT: PASS
-----	---	---------------

Limit

Standard		FCC Part 15 Subpart C Paragraph 15.247(d), 15.205, 15.209	
Restricted Bands of operation for FCC			
Frequency (MHz)	Frequency (MHz)	Frequency (MHz)	Frequency (GHz)
0.090 – 0.110	16.42 – 16.423	399.9 – 410	4.5 – 5.15
0.495 – 0.505	16.69475 –16.69525	608 – 614	5.35 – 5.46
2.1735 – 2.1905	16.80425 – 16.80475	960 – 1240	7.25 – 7.75
4.125 – 4.128	25.5 – 25.67	1300 – 1427	8.025 – 8.5
4.17725 – 4.17775	37.5 – 38.25	1435 – 1626.5	9.0 – 9.2
4.20725 – 4.20775	73 – 74.6	1645.5 – 1646.5	9.3 – 9.5
6.215 – 6.218	74.8 – 75.2	1660 – 1710	10.6 – 12.7
6.26775 – 6.26825	108 – 121.94	1718.8 – 1722.2	13.25 – 13.4
6.31175 – 6.31225	123 – 138	2200 – 2300	14.47 – 14.5
8.291 – 8.294	149.9 – 150.05	2310 – 2390	15.35 – 16.2
8.362 – 8.366	156.52475 – 156.52525	2483.5 – 2500	17.7 – 21.4
8.37625 – 8.38675	156.7 – 156.9	2690 – 2900	22.01 – 23.12
8.81425 – 8.81475	162.0125 – 167.17	3260 – 3267	23.6 – 24.0
12.29 – 12.293	167.72 – 173.2	3332 – 3339	31.2 – 31.8
12.51975–12.52025	240 – 285	3345.8 – 3358	36.43 – 36.5
12.57675–12.57725	322 – 335.4	3600 – 4400	Above 38.6
13.36 – 13.41	--	--	--

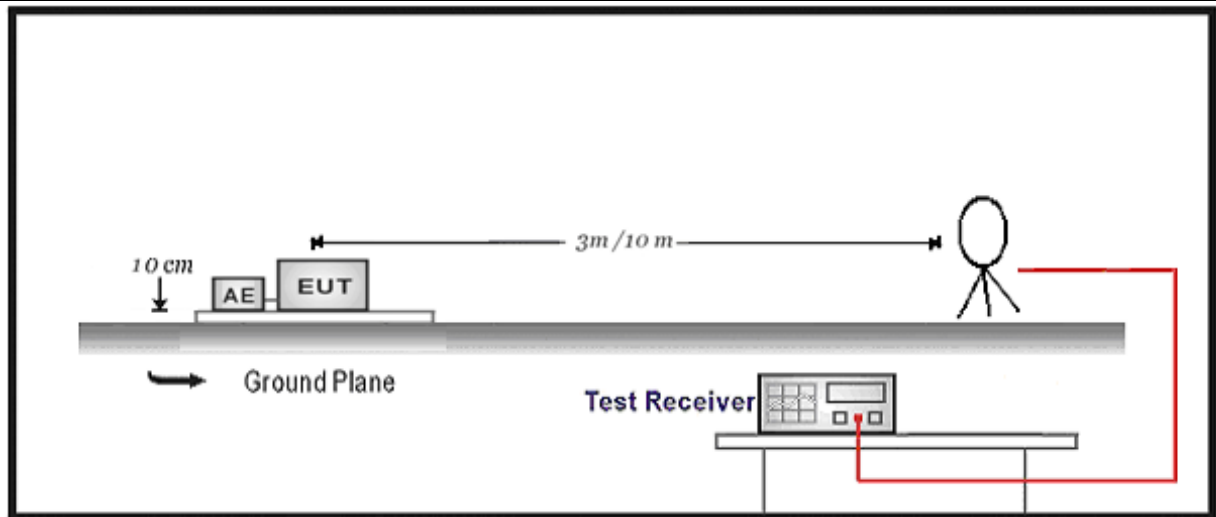
Restricted Band Emissions Limit for FCC			
Frequency (MHz)	Field strength ($\mu\text{V/m}$)	Field strength ($\text{dB}\mu\text{V/m}$)	Measurement distance (m)
0.009 - 0.49	0.009 - 0.49	0.009 - 0.49	0.009 - 0.49
0.49 - 1.705	0.49 - 1.705	0.49 - 1.705	0.49 - 1.705
1.705 - 30	1.705 - 30	1.705 - 30	1.705 - 30
30 - 88	30 - 88	30 - 88	30 - 88
88 - 216	88 - 216	88 - 216	88 - 216
216 - 960	216 - 960	216 - 960	216 - 960
Above 960	Above 960	Above 960	Above 960

Note 1: At frequencies below 30 MHz, measurements may be performed at a distance closer than that specified in the regulations; however, an attempt should be made to avoid making measurements in the near field. Pending the development of an appropriate measurement procedure for measurements performed below 30 MHz, when performing measurements at a closer distance than specified, the results shall be extrapolated to the specified distance by either making measurements at a minimum of two distances on at least one radial to determine the proper extrapolation factor or by using the square of an inverse linear distance extrapolation factor (40 dB/decade).

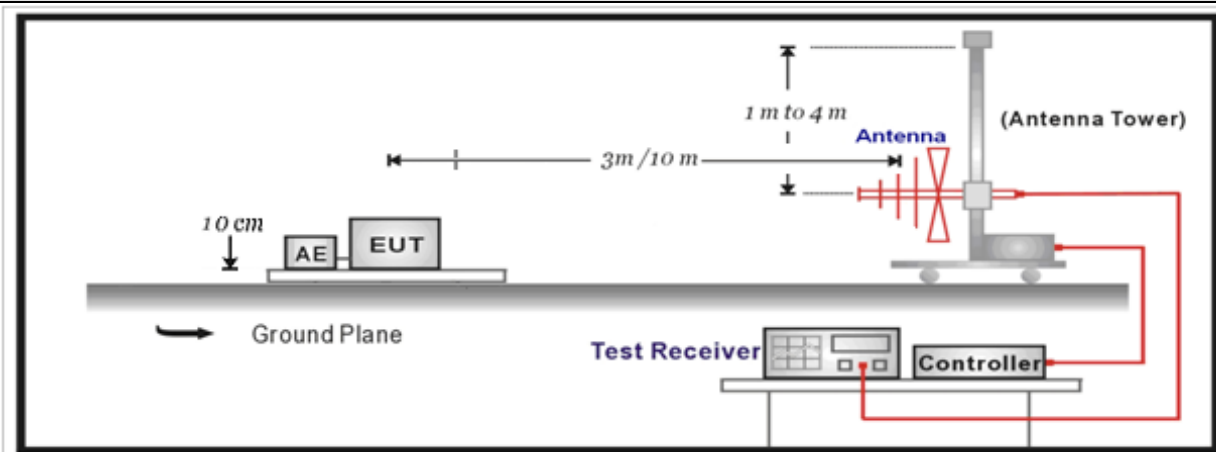
Note 2: At frequencies at or above 30 MHz, measurements may be performed at a distance other than what is specified provided: measurements are not made in the near field except where it can be shown that near field measurements are appropriate due to the characteristics of the device; and it can be demonstrated that the signal levels needed to be measured at the distance employed can be detected by the measurement equipment. Measurements shall not be performed at a distance greater than 30 meters unless it can be further demonstrated that measurements at a distance of 30 meters or less are impractical. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse linear-distance for field strength measurements; inverse-linear-distance-squared for power density measurements).

Test Configuration

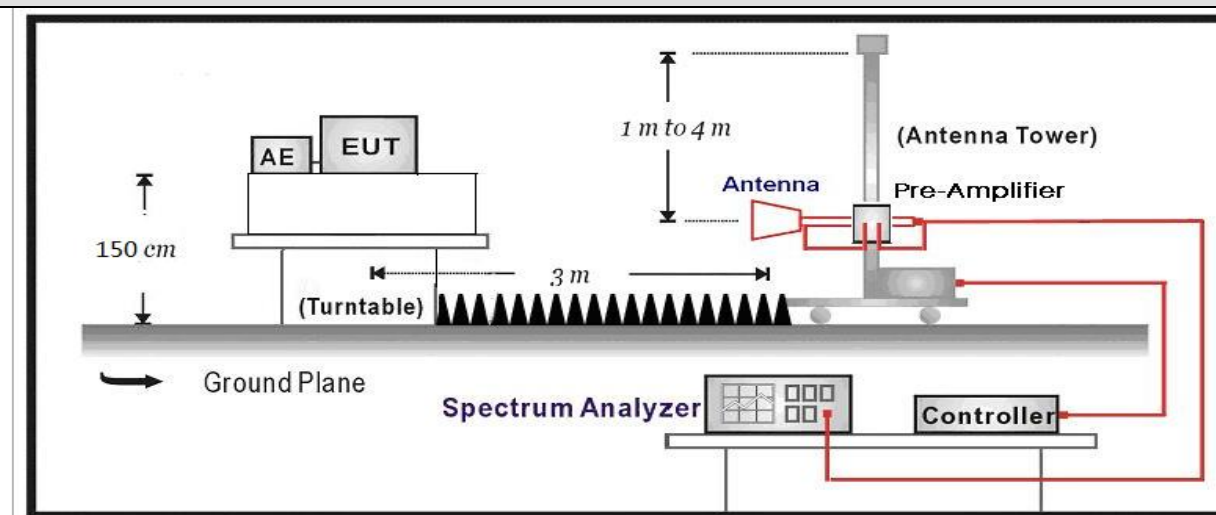
Below 30MHz Test Setup:



30MHz-1GHz Test Setup:



Above 1GHz Test Setup:

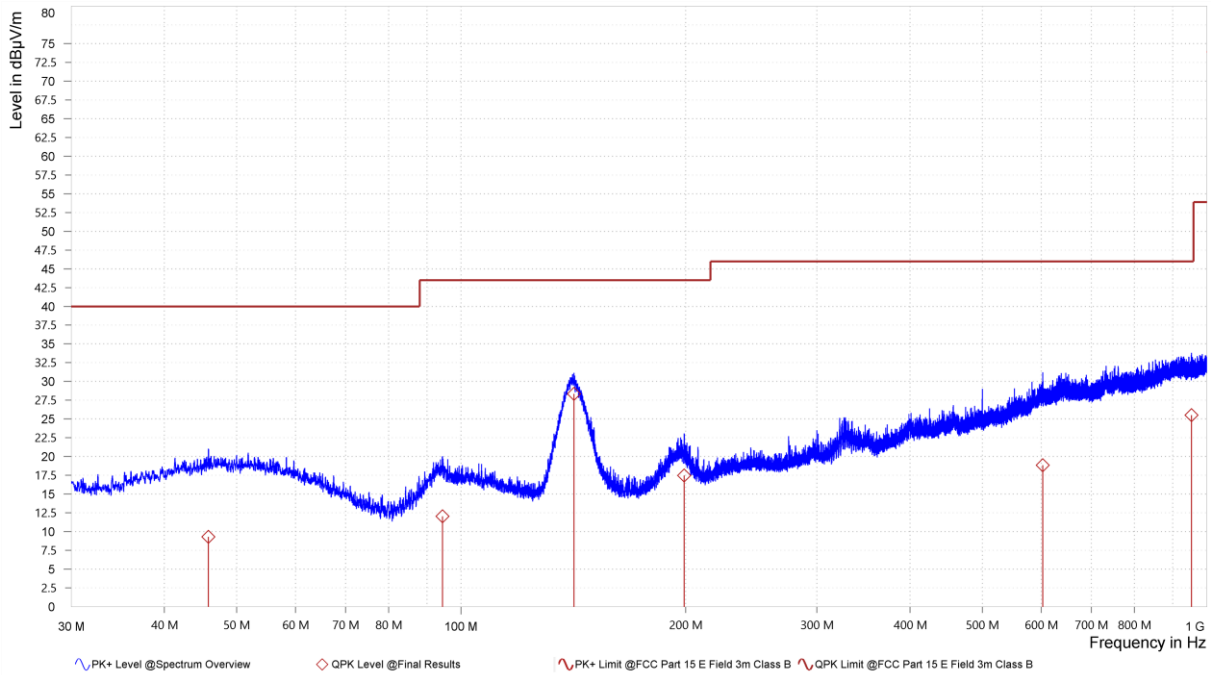


Performed measurements

Port under test	Enclosure port	
Test method applied	☐	Conducted measurement
	☒	Radiated measurement
Test setup	Refer to the Annex 3 for test setup photo(s).	
Operating mode(s) used	Mode 1	
Remark	1. The test frequency range, 9kHz~30MHz, 18GHz~26GHz, both of the worst case are at least 20dB below the limits, therefore no data appear in the report. 2. The EUT is working in the Normal link mode below 1 GHz.	

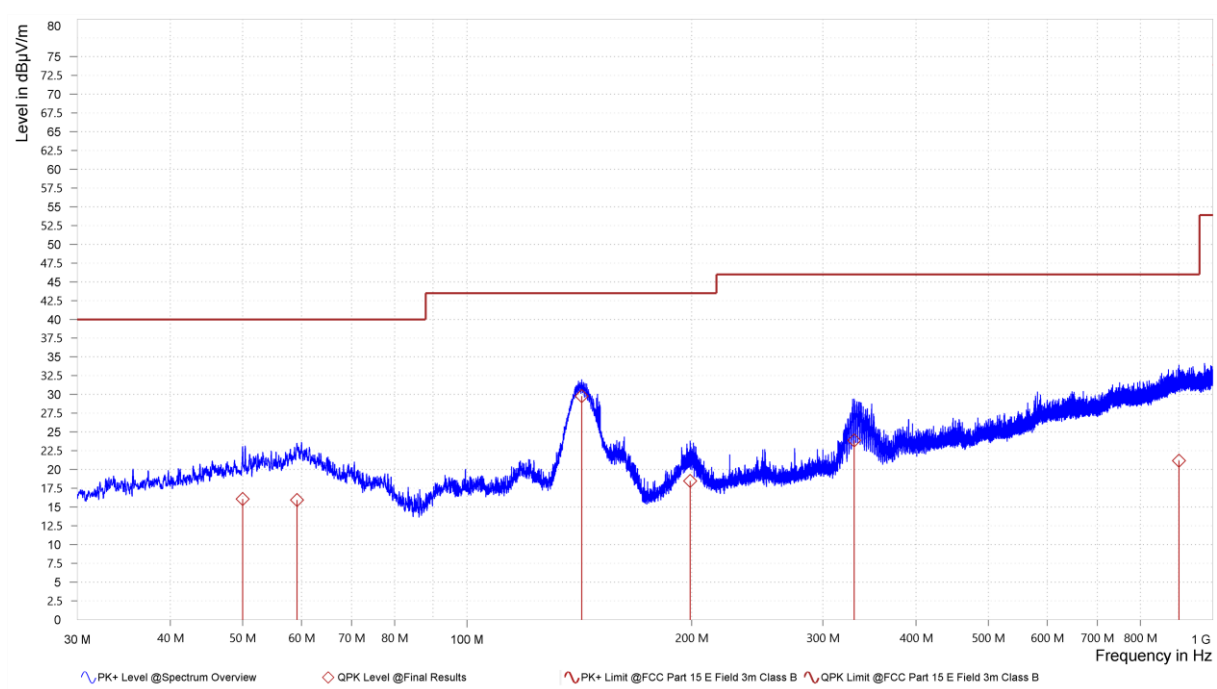
See next page.

Results
Emissions in restricted frequency bands
30MHz – 1GHz, Normal Mode, H



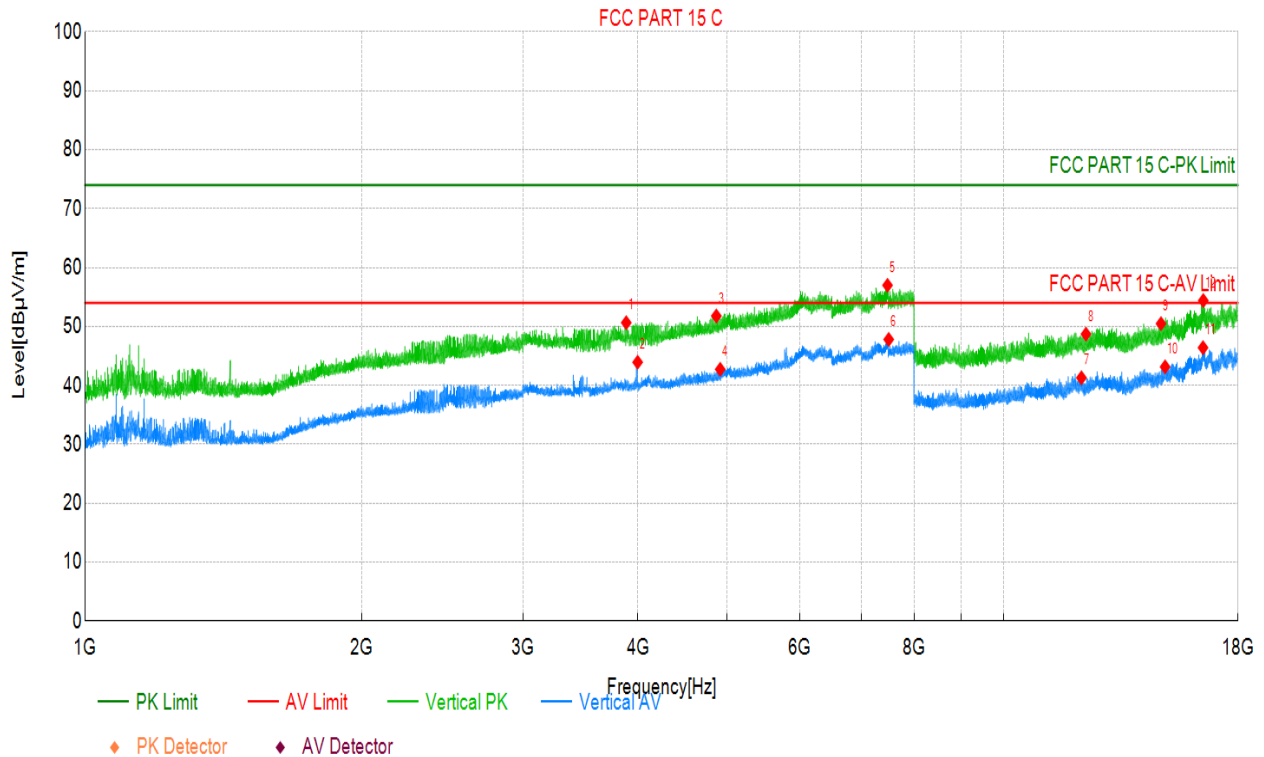
Rg	Frequency [MHz]	QPK Level [dBµV/m]	QPK Limit [dBµV/m]	QPK Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
1	45.840	9.31	40.00	30.69	20.41	H	35	1
1	94.410	12.03	43.50	31.47	17.82	H	191.7	2
1	141.720	28.35	43.50	15.15	15.07	H	177.3	2
1	199.200	17.48	43.50	26.02	18.93	H	170.1	2
1	602.460	18.85	46.00	27.15	27.90	H	360	1
1	953.970	25.52	46.00	20.48	31.48	H	248.8	1

30MHz – 1GHz, Normal Mode, V



Rg	Frequency [MHz]	QPK Level [dBµV/m]	QPK Limit [dBµV/m]	QPK Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
1	50.010	16.06	40.00	23.94	20.54	V	162	1.5
1	59.130	15.95	40.00	24.05	19.49	V	134.8	1
1	142.500	29.79	43.50	13.71	15.03	V	235.1	1
1	199.200	18.46	43.50	25.04	18.93	V	242	1
1	330.570	23.87	46.00	22.13	21.94	V	285	1
1	901.110	21.16	46.00	24.84	31.43	V	140.7	1.5

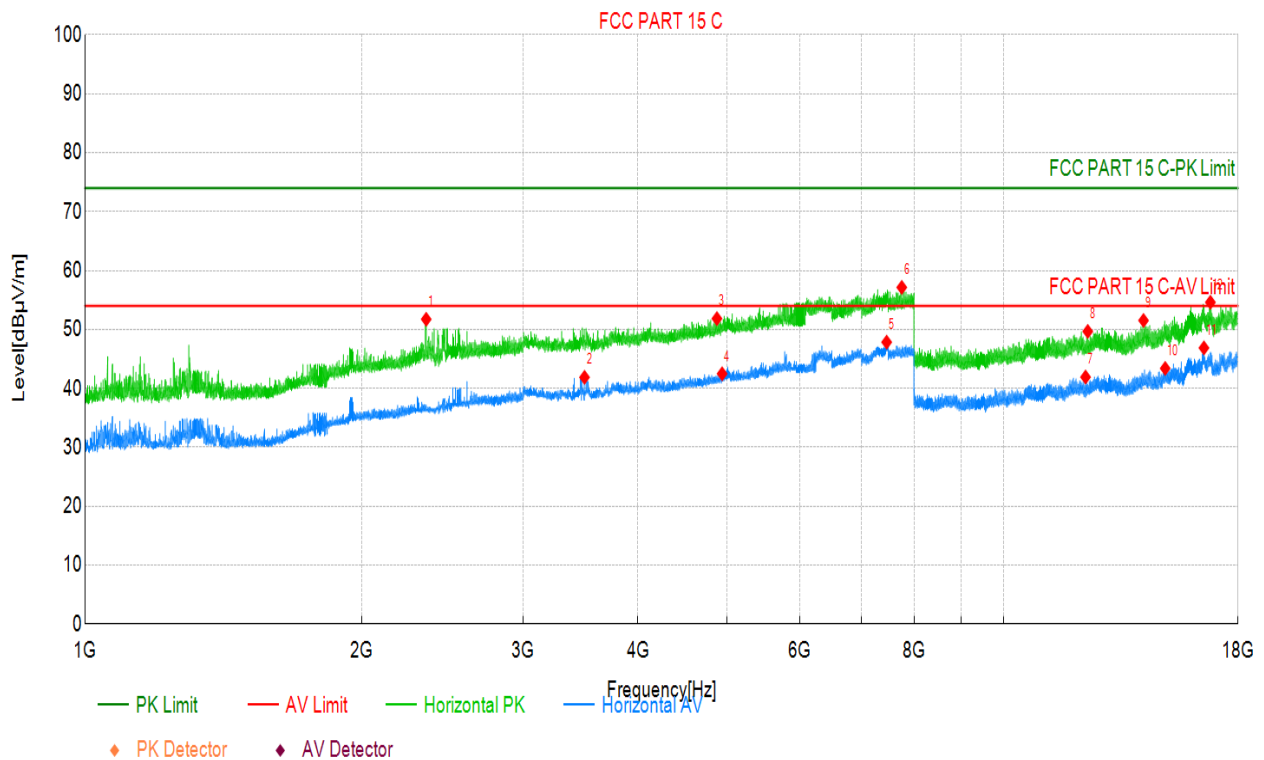
1GHz – 10th Harmonic
2402MHz, 1Mbps, V



Suspected Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	3883.75	40.2	50.64	10.450	74.00	23.36	PK	Verti	PASS
2	3996.25	33.7	43.93	10.280	54.00	10.07	AV	Verti	PASS
3	4867.50	40.5	51.78	11.310	74.00	22.22	PK	Verti	PASS
4	4915.00	31.2	42.73	11.540	54.00	11.27	AV	Verti	PASS
5	7476.25	40.1	56.99	16.940	74.00	17.01	PK	Verti	PASS
6	7498.75	30.7	47.80	17.100	54.00	6.20	AV	Verti	PASS
7	12156.00	31.9	41.29	9.360	54.00	12.71	AV	Verti	PASS
8	12294.67	39.8	48.70	8.890	74.00	25.30	PK	Verti	PASS
9	14840.00	39.0	50.49	11.490	74.00	23.51	PK	Verti	PASS
10	14993.33	31.0	43.15	12.160	54.00	10.85	AV	Verti	PASS
11	16488.67	31.1	46.40	15.290	54.00	7.60	AV	Verti	PASS
12	16498.67	39.0	54.40	15.410	74.00	19.60	PK	Verti	PASS

Note:(1)Level=Reading+Factor
(2)Margin=Limit-Level

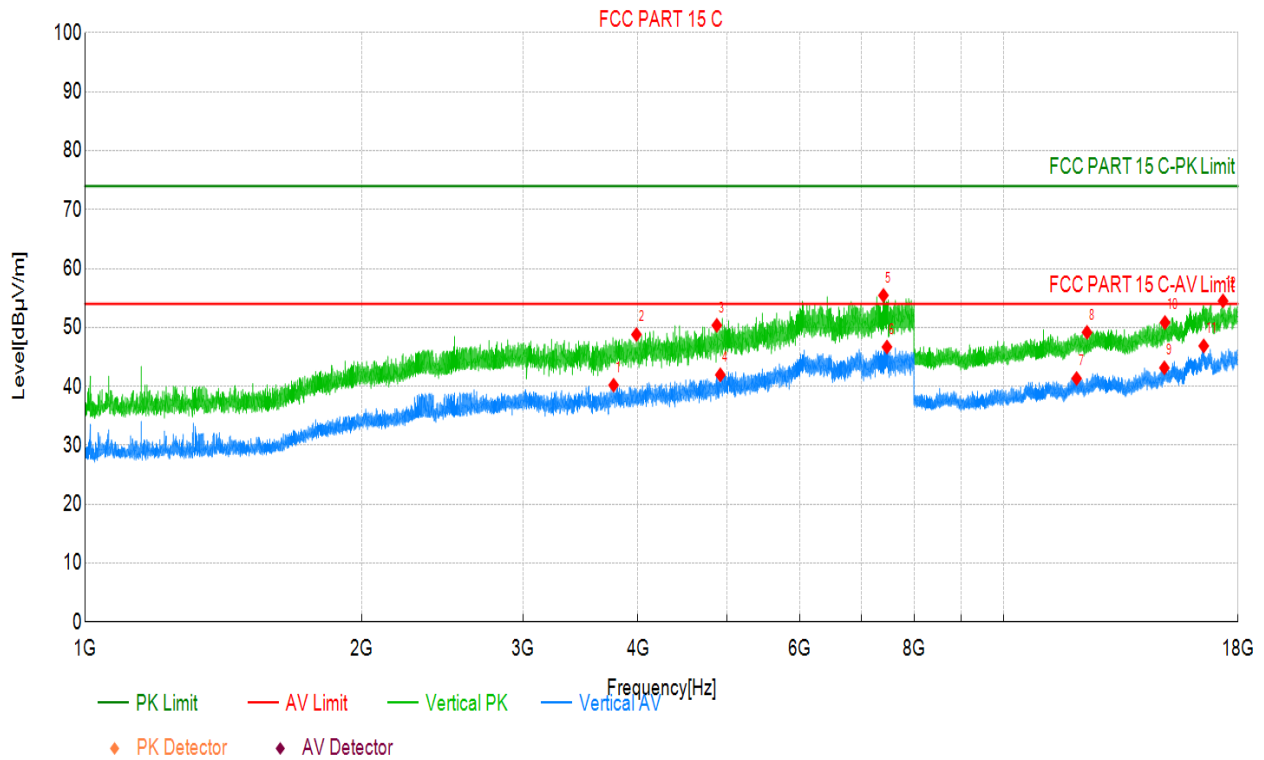
2402MHz, 1Mbps, H



Suspected Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	2352.25	44.5	51.73	7.260	74.00	22.27	PK	Hori	PASS
2	3498.13	31.5	41.88	10.390	54.00	12.12	AV	Hori	PASS
3	4875.00	40.5	51.84	11.330	74.00	22.16	PK	Hori	PASS
4	4939.38	30.7	42.48	11.790	54.00	11.52	AV	Hori	PASS
5	7460.00	31.0	47.85	16.830	54.00	6.15	AV	Hori	PASS
6	7748.13	39.8	57.14	17.320	74.00	16.86	PK	Hori	PASS
7	12282.00	33.0	41.92	8.950	54.00	12.08	AV	Hori	PASS
8	12350.67	40.7	49.67	8.930	74.00	24.33	PK	Hori	PASS
9	14204.00	40.3	51.53	11.200	74.00	22.47	PK	Hori	PASS
10	14996.00	31.2	43.40	12.160	54.00	10.60	AV	Hori	PASS
11	16527.33	31.7	46.87	15.220	54.00	7.13	AV	Hori	PASS
12	16794.00	38.3	54.62	16.290	74.00	19.38	PK	Hori	PASS

Note:(1)Level=Reading+Factor
(2)Margin=Limit-Level

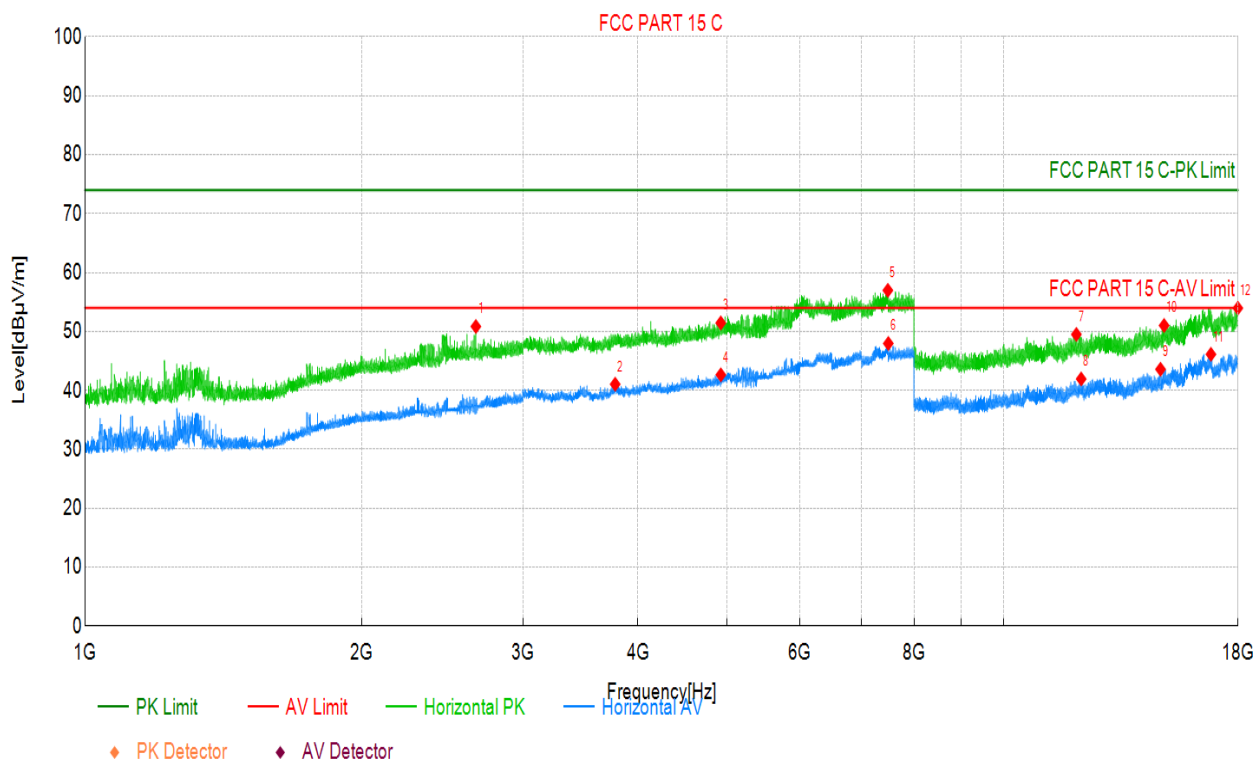
2440MHz, 1Mbps, V



Suspected Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	3762.50	29.7	40.21	10.510	54.00	13.79	AV	Verti	PASS
2	3984.38	38.5	48.80	10.300	74.00	25.20	PK	Verti	PASS
3	4873.13	39.1	50.37	11.320	74.00	23.63	PK	Verti	PASS
4	4916.88	30.4	41.96	11.560	54.00	12.04	AV	Verti	PASS
5	7400.00	39.0	55.45	16.410	74.00	18.55	PK	Verti	PASS
6	7465.63	29.8	46.69	16.870	54.00	7.31	AV	Verti	PASS
7	12010.00	32.0	41.34	9.330	54.00	12.66	AV	Verti	PASS
8	12328.67	40.3	49.17	8.890	74.00	24.83	PK	Verti	PASS
9	14965.33	31.1	43.15	12.080	54.00	10.85	AV	Verti	PASS
10	14987.33	38.7	50.84	12.130	74.00	23.16	PK	Verti	PASS
11	16517.33	31.6	46.87	15.300	54.00	7.13	AV	Verti	PASS
12	17336.00	38.5	54.51	16.050	74.00	19.49	PK	Verti	PASS

Note:(1)Level=Reading+Factor
(2)Margin=Limit-Level

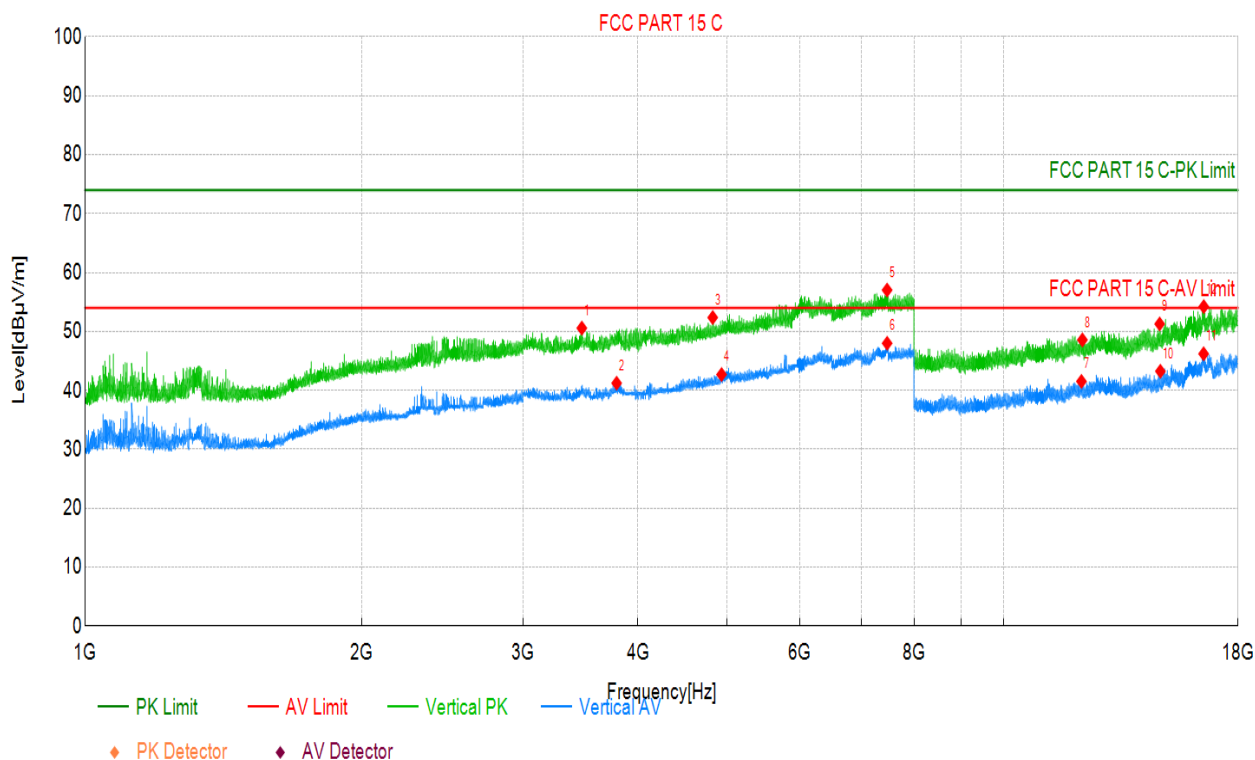
2440MHz, 1Mbps, H



Suspected Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	2664.00	42.9	50.85	8.000	74.00	23.15	PK	Hori	PASS
2	3777.50	30.5	41.05	10.590	54.00	12.95	AV	Hori	PASS
3	4921.88	39.8	51.45	11.610	74.00	22.55	PK	Hori	PASS
4	4923.13	31.0	42.64	11.620	54.00	11.36	AV	Hori	PASS
5	7482.50	40.0	56.98	16.980	74.00	17.02	PK	Hori	PASS
6	7491.25	30.9	47.97	17.050	54.00	6.03	AV	Hori	PASS
7	12002.67	40.2	49.50	9.330	74.00	24.50	PK	Hori	PASS
8	12148.67	32.6	41.94	9.360	54.00	12.06	AV	Hori	PASS
9	14822.00	32.2	43.58	11.370	54.00	10.42	AV	Hori	PASS
10	14954.67	39.0	51.02	12.060	74.00	22.98	PK	Hori	PASS
11	16819.33	30.1	46.13	16.050	54.00	7.87	AV	Hori	PASS
12	17993.33	37.7	53.96	16.290	74.00	20.04	PK	Hori	PASS

Note:(1)Level=Reading+Factor
(2)Margin=Limit-Level

2480MHz, 1Mbps, V

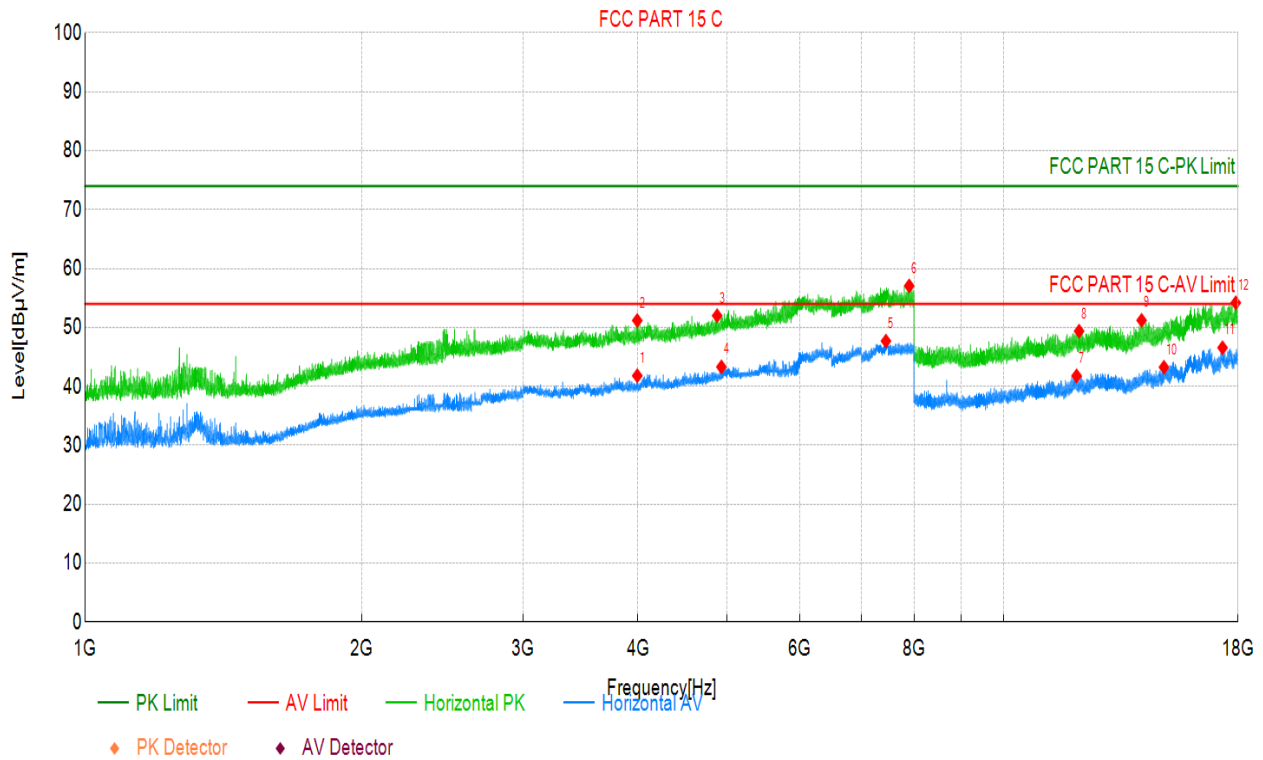


Suspected Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	3474.38	40.4	50.58	10.150	74.00	23.42	PK	Verti	PASS
2	3791.25	30.6	41.23	10.670	54.00	12.77	AV	Verti	PASS
3	4823.75	41.2	52.37	11.220	74.00	21.63	PK	Verti	PASS
4	4931.88	31.0	42.69	11.710	54.00	11.31	AV	Verti	PASS
5	7468.75	40.1	57.03	16.890	74.00	16.97	PK	Verti	PASS
6	7469.38	31.1	48.00	16.890	54.00	6.00	AV	Verti	PASS
7	12157.33	32.2	41.52	9.360	54.00	12.48	AV	Verti	PASS
8	12186.67	39.2	48.57	9.380	74.00	25.43	PK	Verti	PASS
9	14790.00	40.2	51.28	11.130	74.00	22.72	PK	Verti	PASS
10	14816.67	31.9	43.25	11.330	54.00	10.75	AV	Verti	PASS
11	16511.33	30.9	46.21	15.340	54.00	7.79	AV	Verti	PASS
12	3474.38	40.4	50.58	10.150	74.00	23.42	PK	Verti	PASS

Note:(1)Level=Reading+Factor

(2)Margin=Limit-Level

2480MHz, 1Mbps, H



Suspected Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	3992.50	31.5	41.81	10.290	54.00	12.19	AV	Hori	PASS
2	3992.50	40.9	51.19	10.290	74.00	22.81	PK	Hori	PASS
3	4877.50	40.7	52.01	11.340	74.00	21.99	PK	Hori	PASS
4	4930.00	31.6	43.31	11.690	54.00	10.69	AV	Hori	PASS
5	7446.88	31.0	47.69	16.740	54.00	6.31	AV	Hori	PASS
6	7893.75	39.9	57.06	17.190	74.00	16.94	PK	Hori	PASS
7	12009.33	32.5	41.79	9.330	54.00	12.21	AV	Hori	PASS
8	12085.33	40.1	49.38	9.330	74.00	24.62	PK	Hori	PASS
9	14135.33	40.8	51.22	10.470	74.00	22.78	PK	Hori	PASS
10	14950.00	31.2	43.25	12.040	54.00	10.75	AV	Hori	PASS
11	17315.33	30.4	46.56	16.150	54.00	7.44	AV	Hori	PASS
12	17898.00	38.1	54.19	16.090	74.00	19.81	PK	Hori	PASS

Note: (1) Level = Reading + Factor
(2) Margin = Limit - Level

4.3	Emissions in non-restricted frequency band	VERDICT: PASS
-----	--	---------------

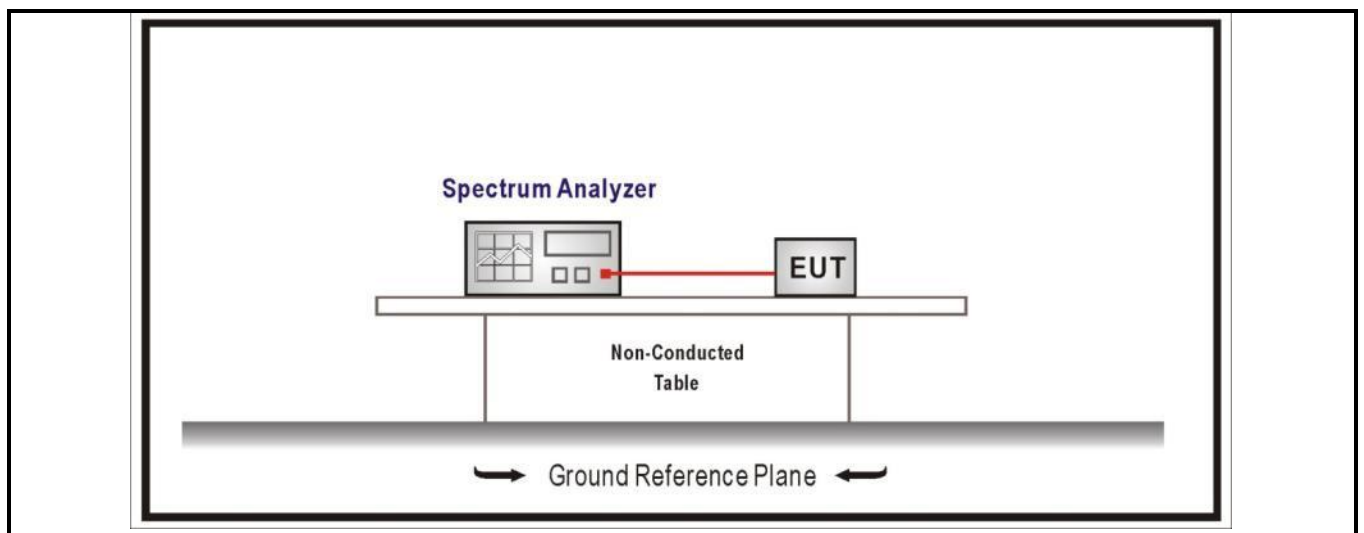
Limit

Standard	FCC Part 15 Subpart C Paragraph 15.247(d)	
RF Output power (Detection methods)	Limit(dB)	
RF Output power(Average detector)	30dBc(Note1)	
RF Output power(PK detector)	20dBc(Note2)	

Note 1: If maximum conducted (average) output power was used to demonstrate compliance as described in 9.2, then the peak power in any 100 kHz bandwidth outside of the authorized frequency band shall be attenuated by at by LEast 30 dB relative to the maximum in-band peak PSD by LElvel in 100 kHz (i.e., 30 dBc).

Note 2: If the maximum peak conducted output power procedure was used, then the peak output power measured in any 100 kHz bandwidth outside of the authorized frequency band shall be attenuated by at by LEast 20 dB relative to the maximum in-band peak PSD by LElvel in 100 kHz (i.e., 20 dBc).

Test Configuration

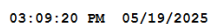
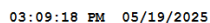


Performed measurements

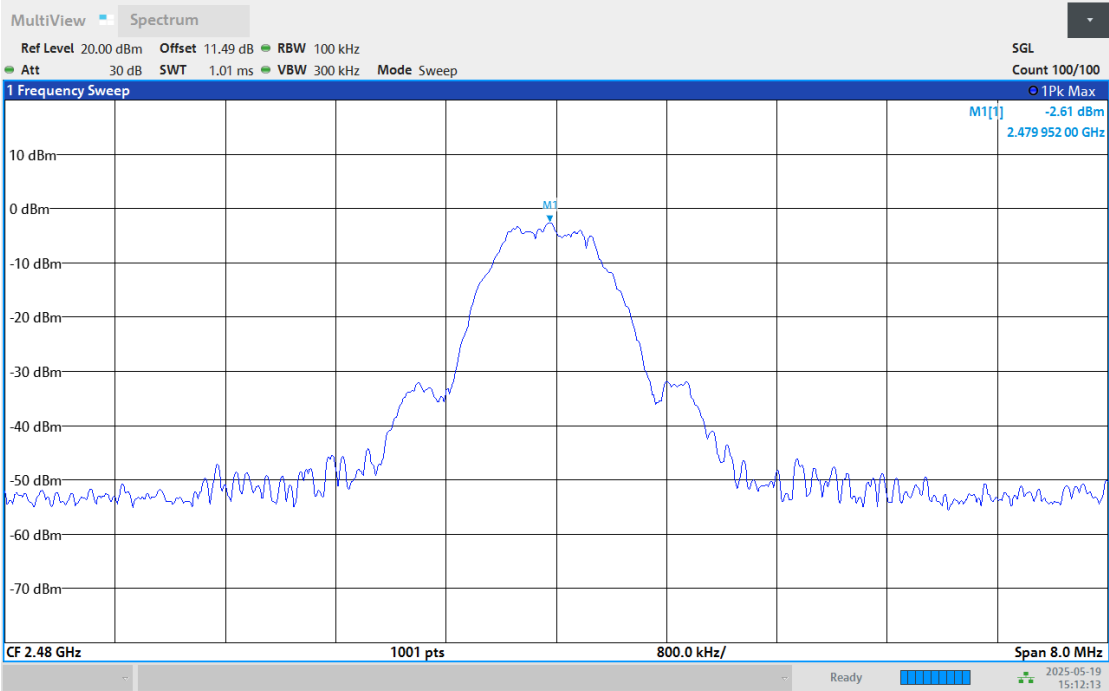
Port under test	Antenna port	
Test method applied	☒	Conducted measurement
	☐	Radiated measurement
Test setup	Refer to the Annex 3 for test setup photo(s).	
Operating mode(s) used	Mode 1	
Remark	---	

See next page

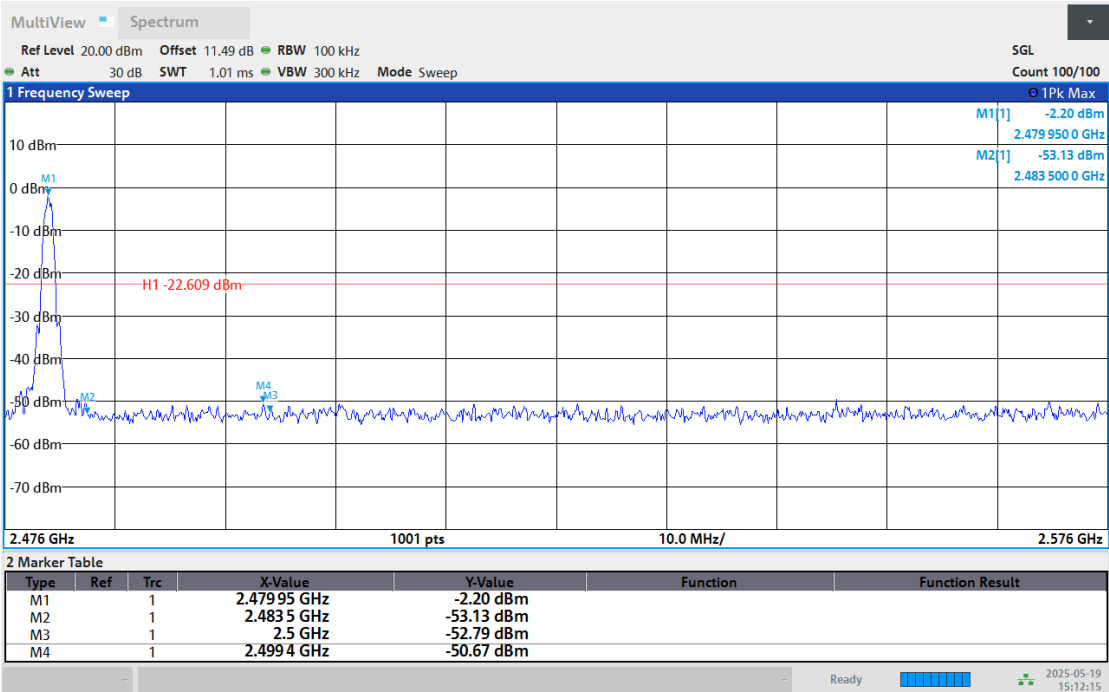
2402MHz, 1Mbps



2480MHz, 1Mbps

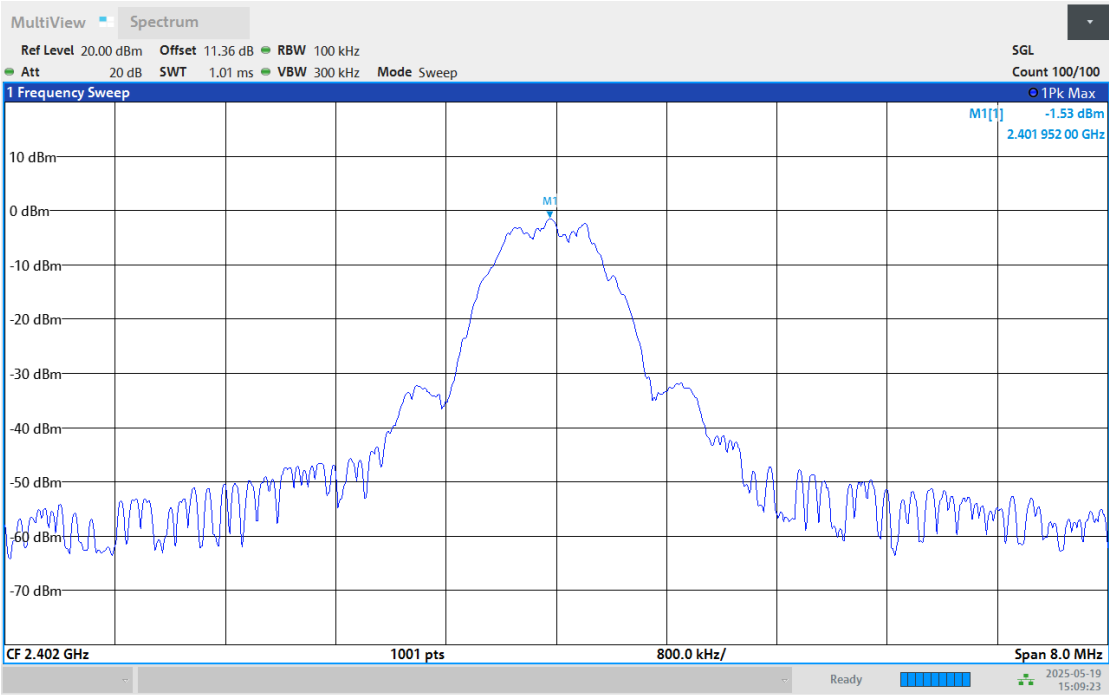


03:12:14 PM 05/19/2025

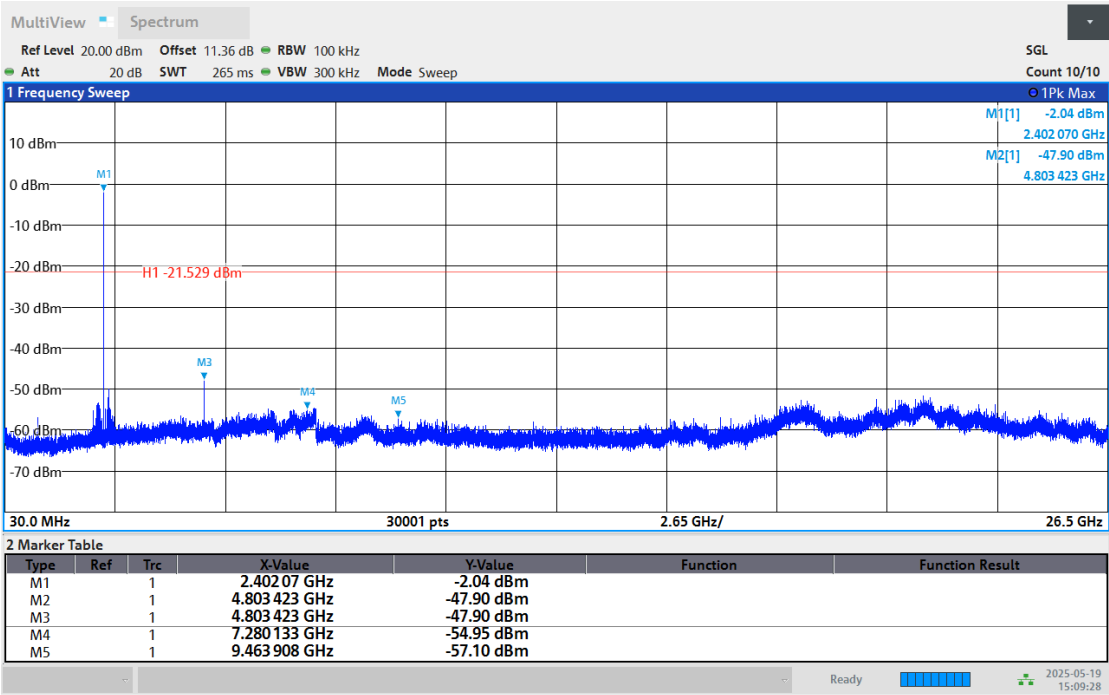


03:12:16 PM 05/19/2025

Conducted out of band emission
2402MHz, 1Mbps

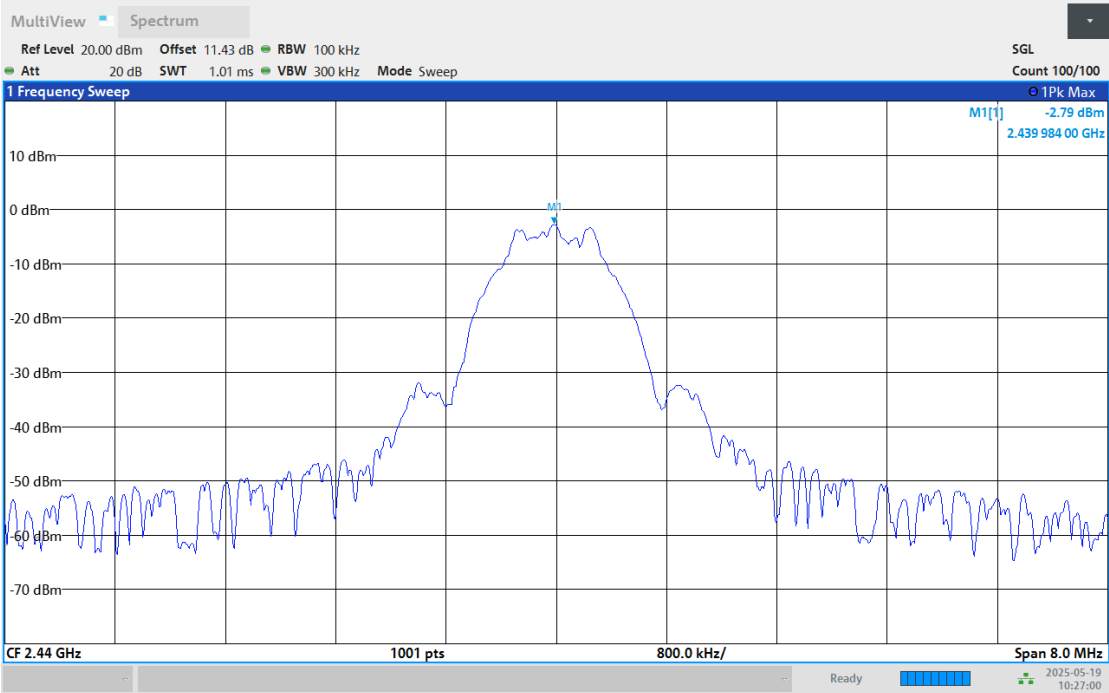


03:09:23 PM 05/19/2025

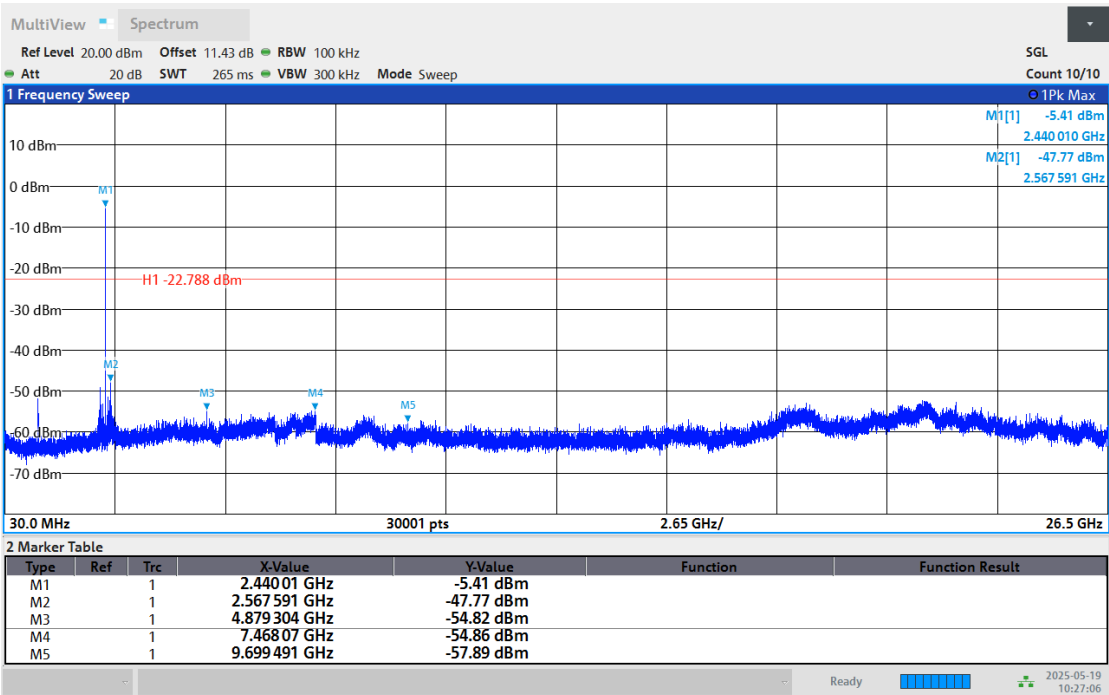


03:09:29 PM 05/19/2025

2440MHz, 1Mbps

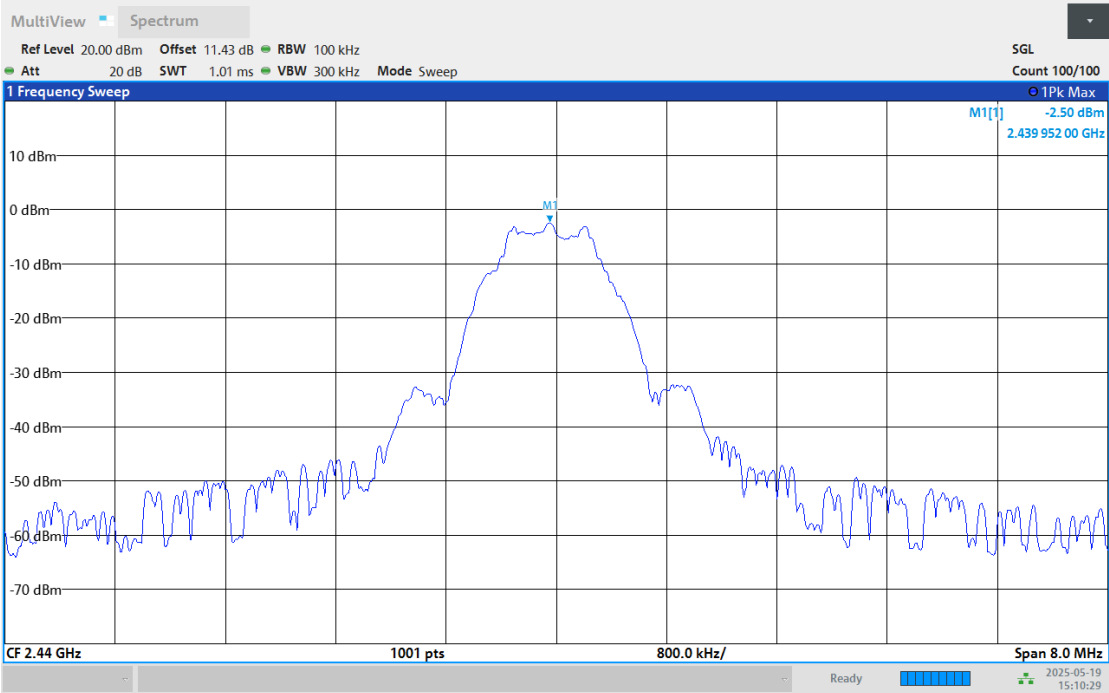


10:27:01 AM 05/19/2025

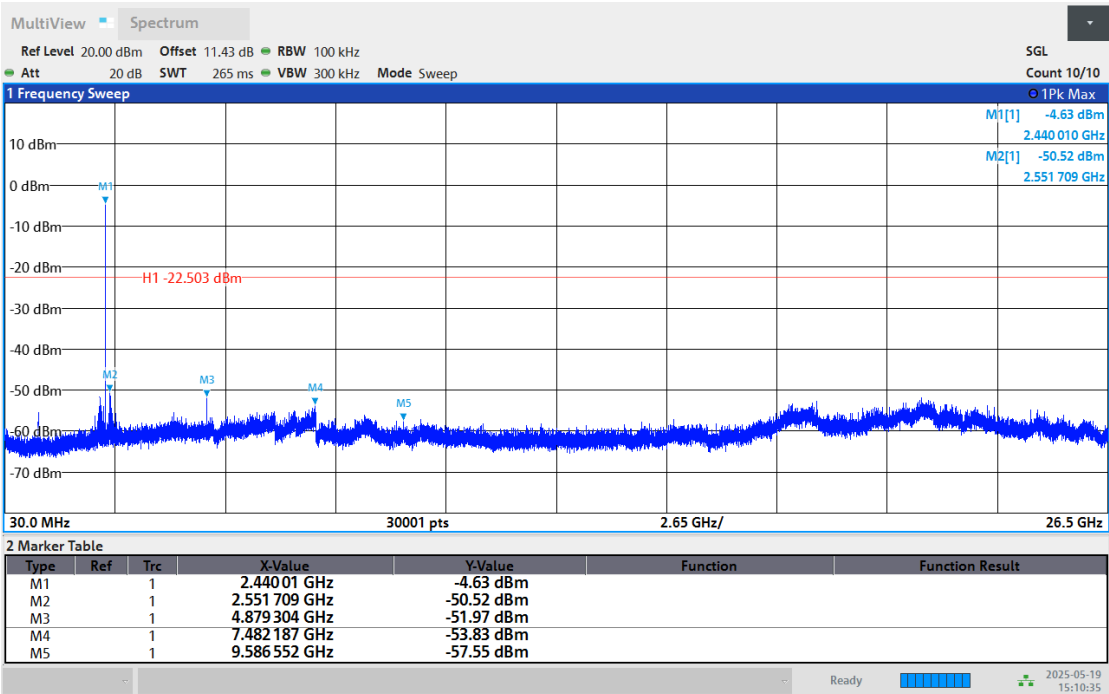


10:27:07 AM 05/19/2025

2480MHz, 1Mbps



03:10:30 PM 05/19/2025



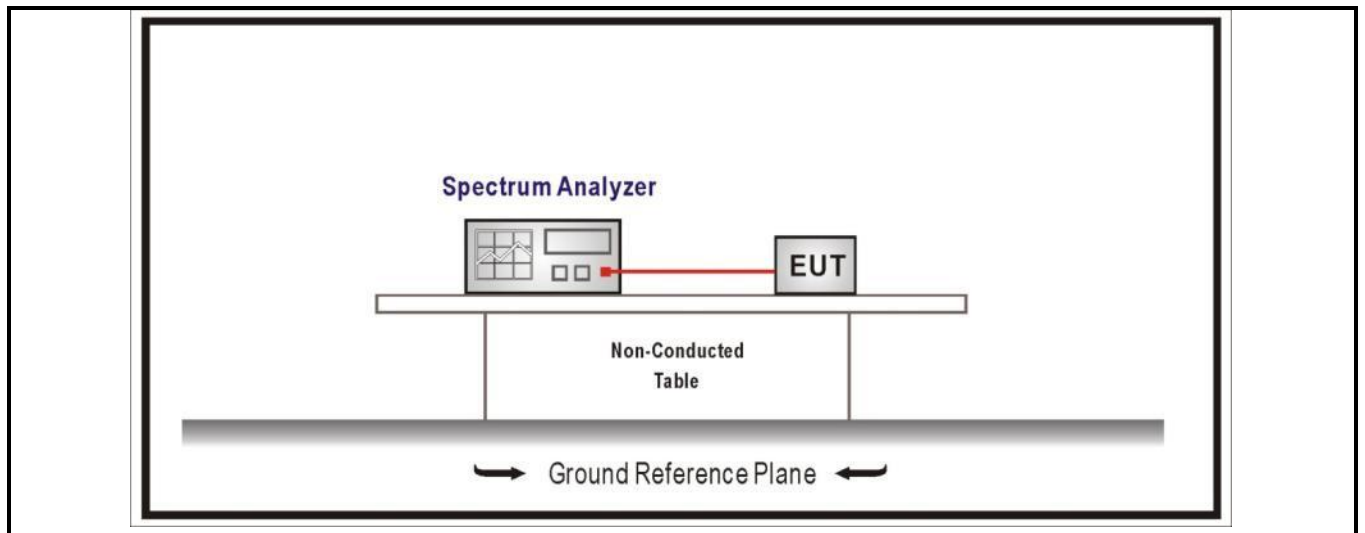
03:10:35 PM 05/19/2025

4.4	Duty Cycle	VERDICT: PASS
-----	------------	---------------

Limit

N/A

Test Configuration



Performed measurements

Port under test	Antenna port	
Test method applied	☒	Conducted measurement
	☐	Radiated measurement
Test setup	Refer to the Annex 3 for test setup photo(s).	
Operating mode(s) used	Mode 1	
Remark	For reporting purpose only	

Results

Mode	CH.	Test Freq. (MHz)	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
BLE 1Mbps	00	2402	63.2	1.99	2.53
	19	2440	63.2	1.99	2.53
	39	2480	63.2	1.99	2.53

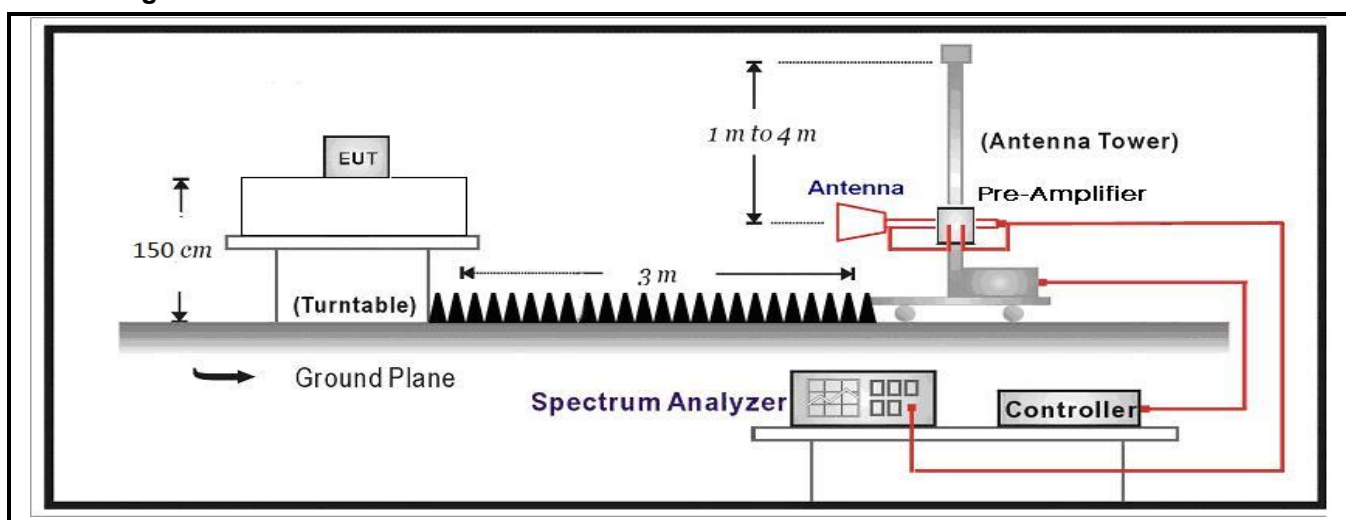
4.5	Radiated Emission Band Edge	VERDICT: PASS
-----	------------------------------------	----------------------

Limit

Standard	FCC Part 15 Subpart C Paragraph 15.247(d), 15.205, 15.209			
Frequency bands (MHz)	Detector	Limit (dB μ V/m)	RBW (MHz)	Distance (m)
2310-2390	PK	74	1	3
2483.5-2500	AV	54	1	3

Note: The field strength of emissions appearing within these frequency bands shall not exceed the limits .

Test Configuration



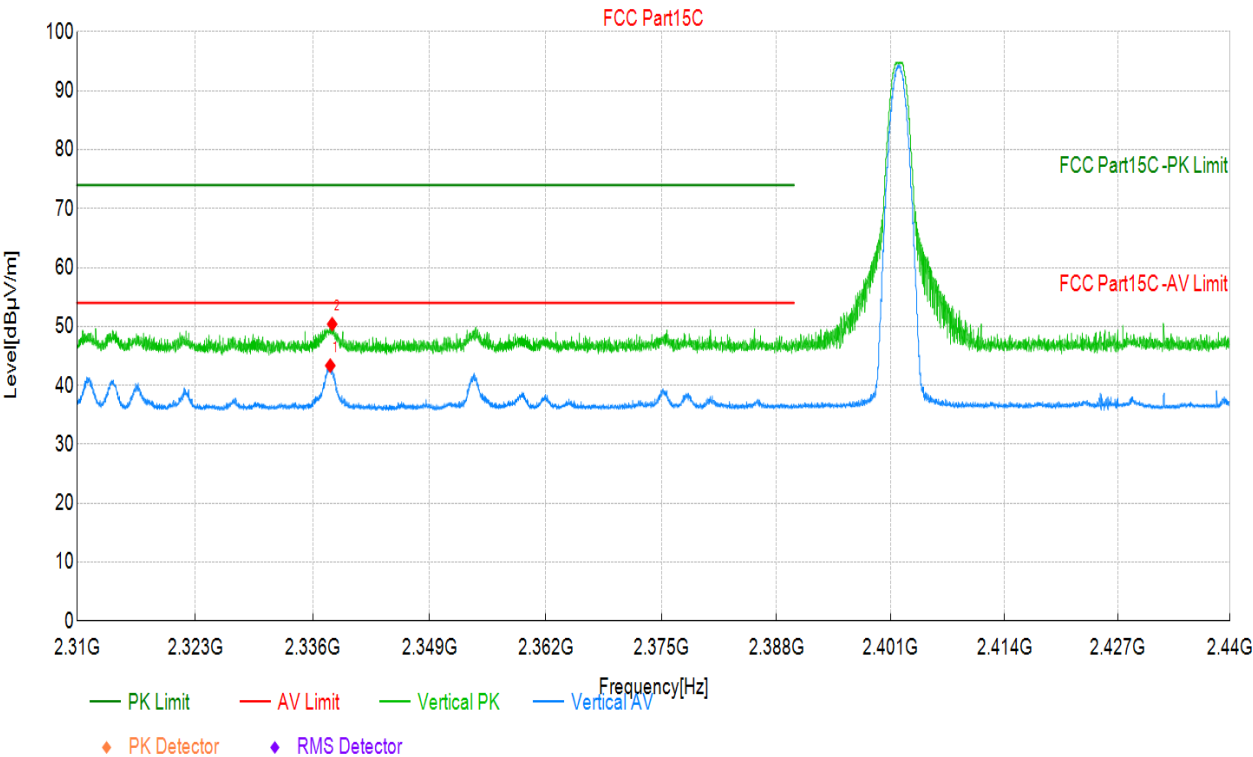
Performed measurements

Port under test	Enclosure port	
Test method applied	☐	Conducted measurement
	☒	Radiated measurement
Test setup	Refer to the Annex 3 for test setup photo(s).	
Operating mode(s) used	Mode 1	
Remark	---	

See next page

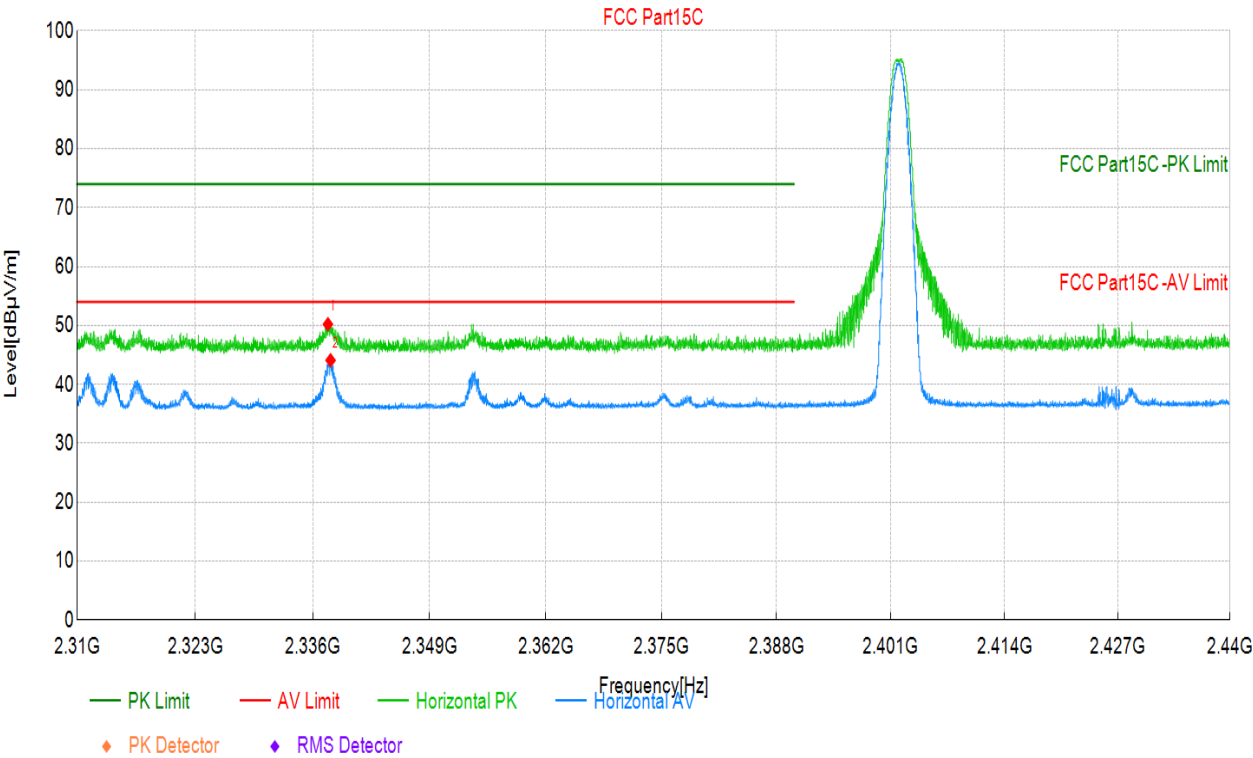
Results

Radiated Emission Band Edge
2402MHz, 1Mbps, V



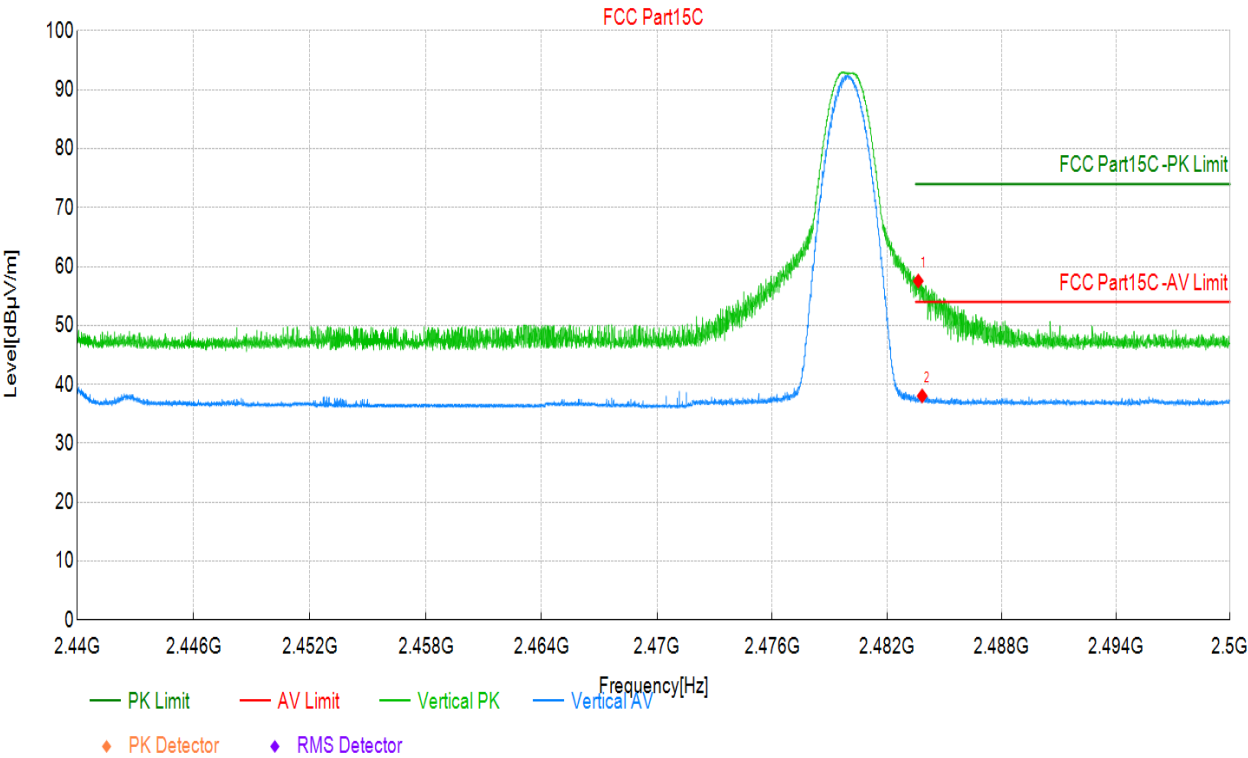
Suspected Data List									
NO.	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Det	Pol	Verdict
1	2337.95	38.7	43.36	4.630	54.00	10.64	AV	Verti	PASS
2	2338.16	45.8	50.40	4.630	74.00	23.60	PK	Verti	PASS

2402MHz, 1Mbps, H



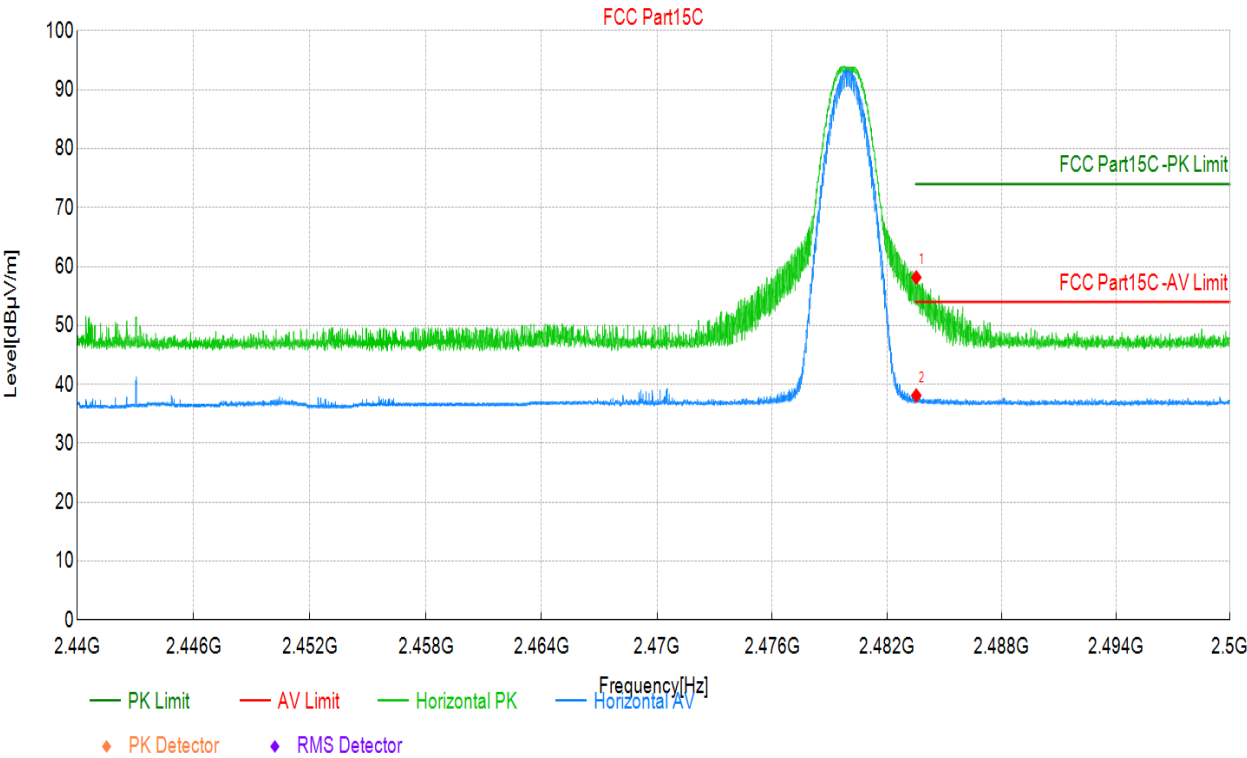
Suspected Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	2337.69	45.6	50.20	4.630	74.00	23.80	PK	Hori	PASS
2	2337.98	39.5	44.09	4.630	54.00	9.91	AV	Hori	PASS

2480MHz, 1Mbps, V



Suspected Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	2483.64	52.3	57.55	5.220	74.00	16.45	PK	Verti	PASS
2	2483.84	32.8	38.04	5.220	54.00	15.96	AV	Verti	PASS

2480MHz, 1Mbps, H



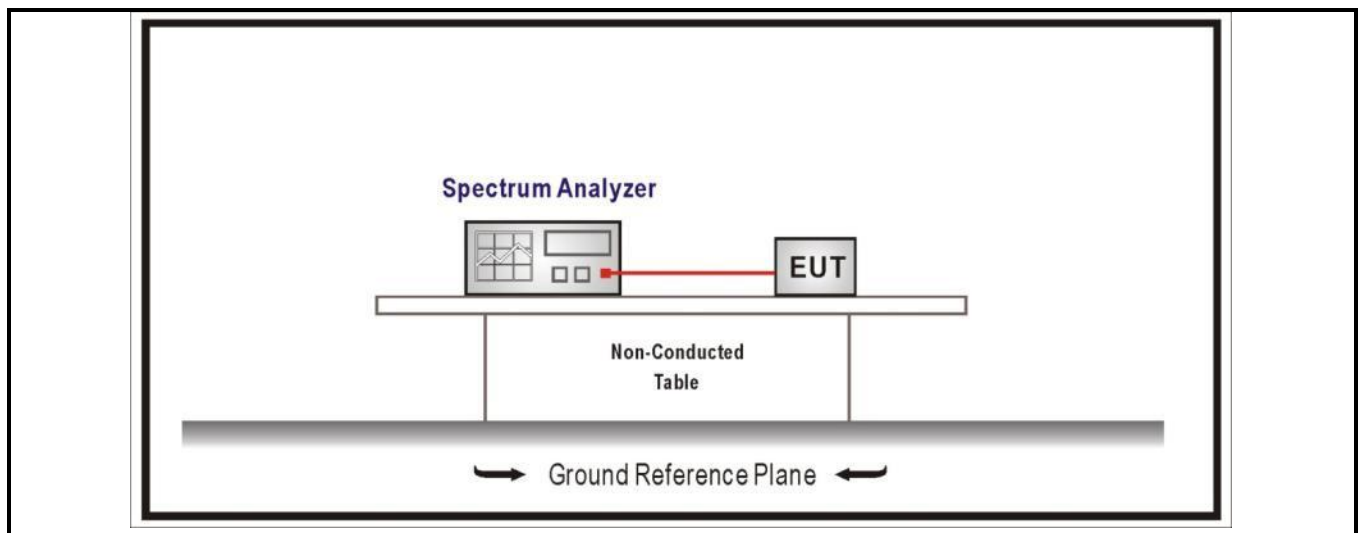
Suspected Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	2483.53	52.9	58.15	5.220	74.00	15.85	PK	Hori	PASS
2	2483.53	32.9	38.11	5.220	54.00	15.89	AV	Hori	PASS

4.6	DTS Bandwidth & Occupied Bandwidth	VERDICT: PASS
-----	---	----------------------

Limit

Standard	FCC Part 15 Subpart C Paragraph 15.247 (a)(2)
Systems using digital modulation techniques operate in the 2400-2483.5 MHz .The minimum 6 dB bandwidth shall be at least 500 kHz	

Test Configuration



Performed measurements

Port under test	Antenna port	
Test method applied	☒	Conducted measurement
	☐	Radiated measurement
Test setup	Refer to the Annex 3 for test setup photo(s).	
Operating mode(s) used	Mode 1	
Remark	---	

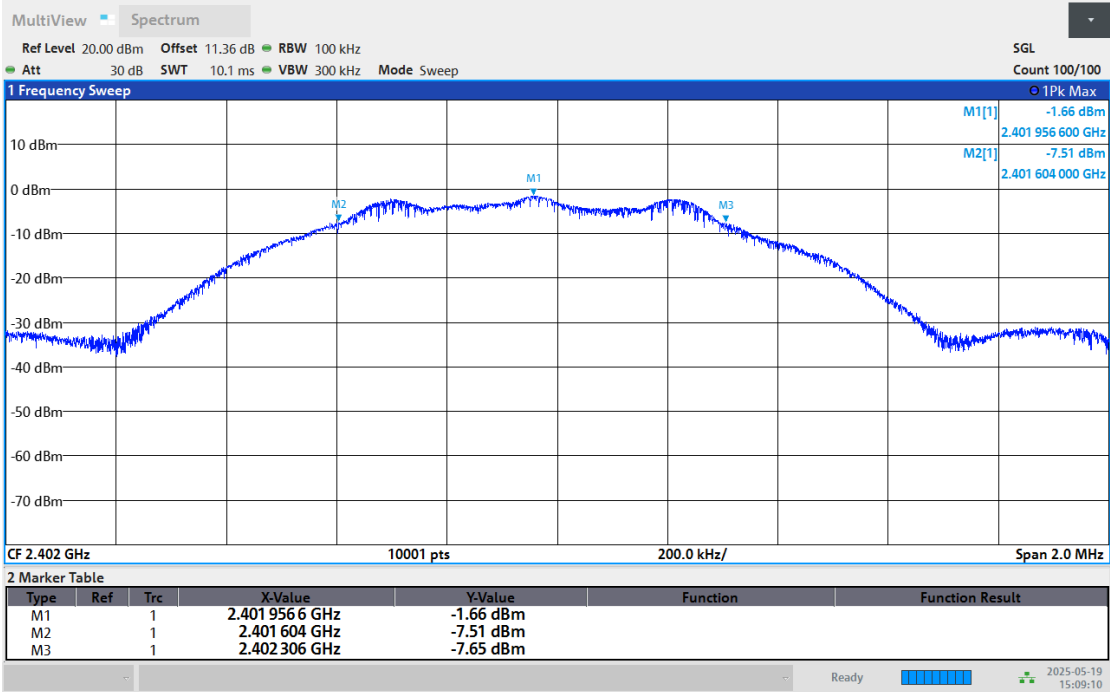
See nex page.

Results

Mode	CH.	Test Freq. (MHz)	6dB Occupied Bandwidth (MHz)	Limit (MHz)	Result
BLE 1Mbps	00	2402	0.702	>0.5	Pass
	19	2440	0.693	>0.5	Pass
	39	2480	0.702	>0.5	Pass

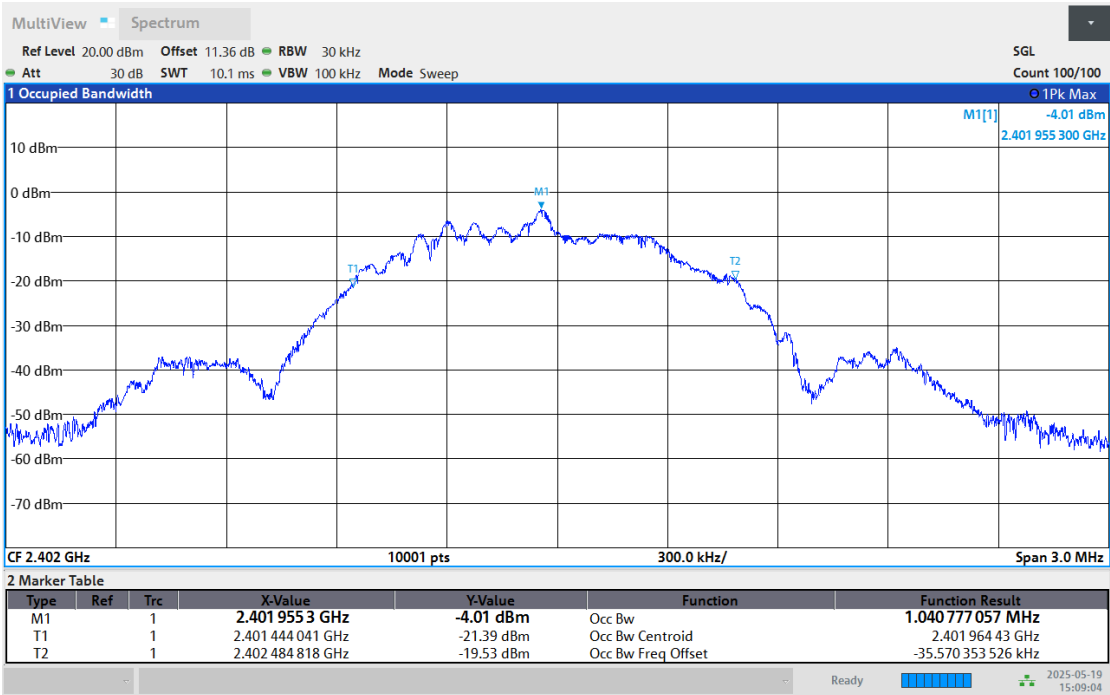
Mode	CH.	Test Freq. (MHz)	99% Occupied Bandwidth (MHz)	Limit (MHz)	Result
BLE 1Mbps	00	2402	1.041	Within frequency range	Pass
	19	2440	1.044	Within frequency range	Pass
	39	2480	1.046	Within frequency range	Pass

DTS Bandwidth
2402MHz, 1Mbps



03:09:11 PM 05/19/2025

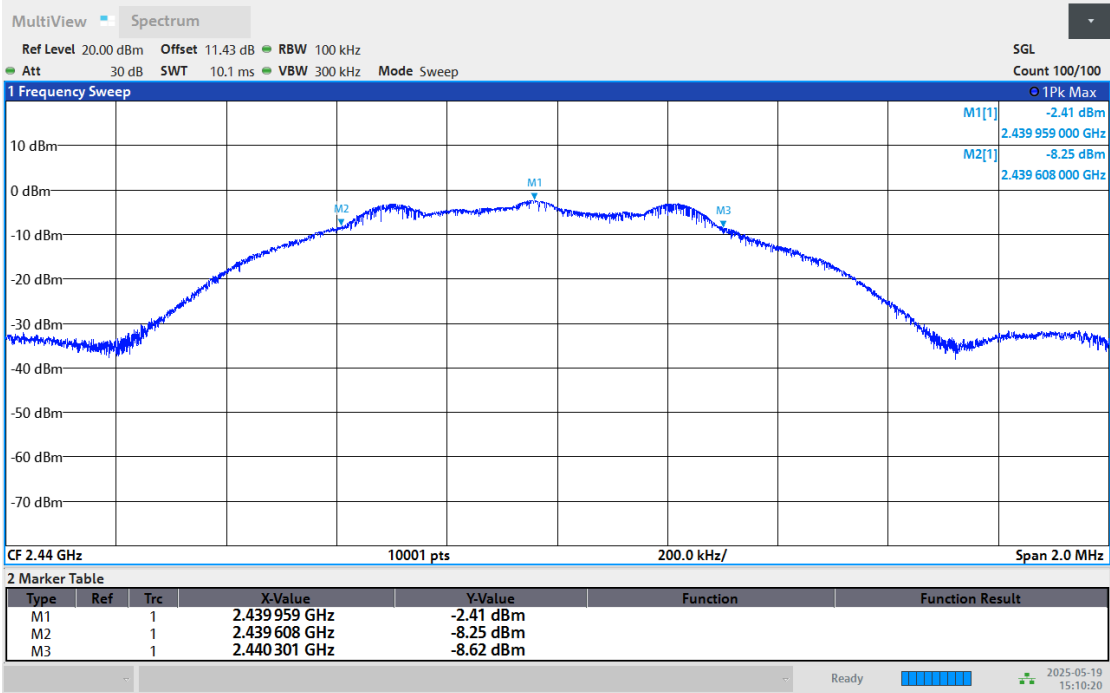
6dB Occupied Bandwidth



03:09:05 PM 05/19/2025

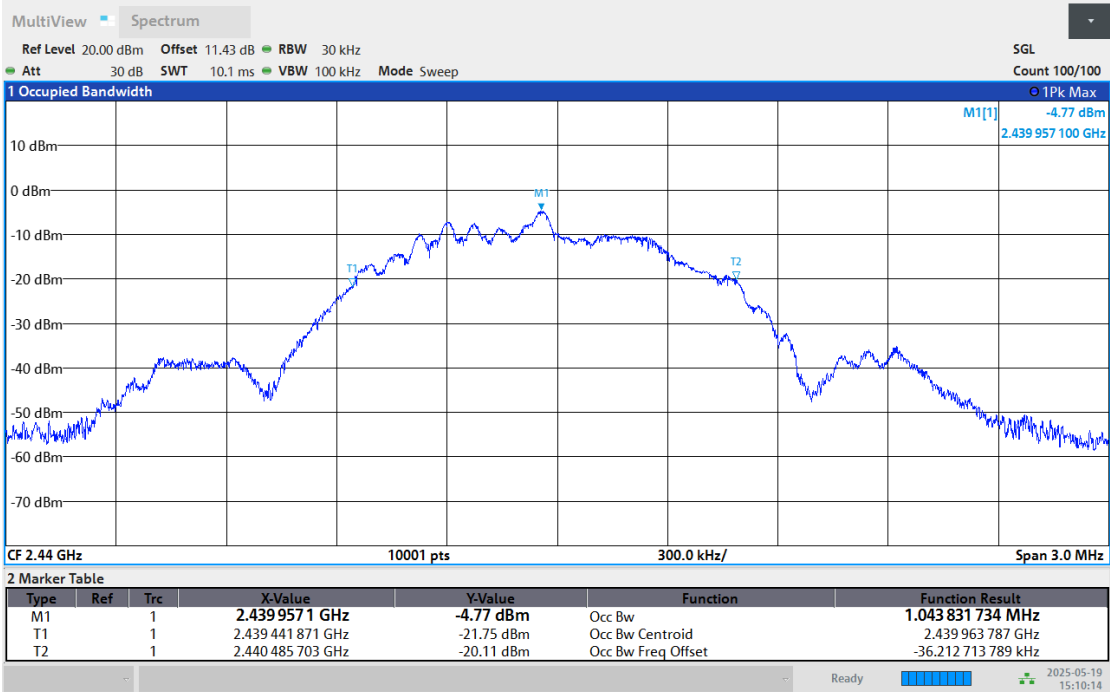
99% Occupied Bandwidth

2440MHz, 1Mbps



03:10:21 PM 05/19/2025

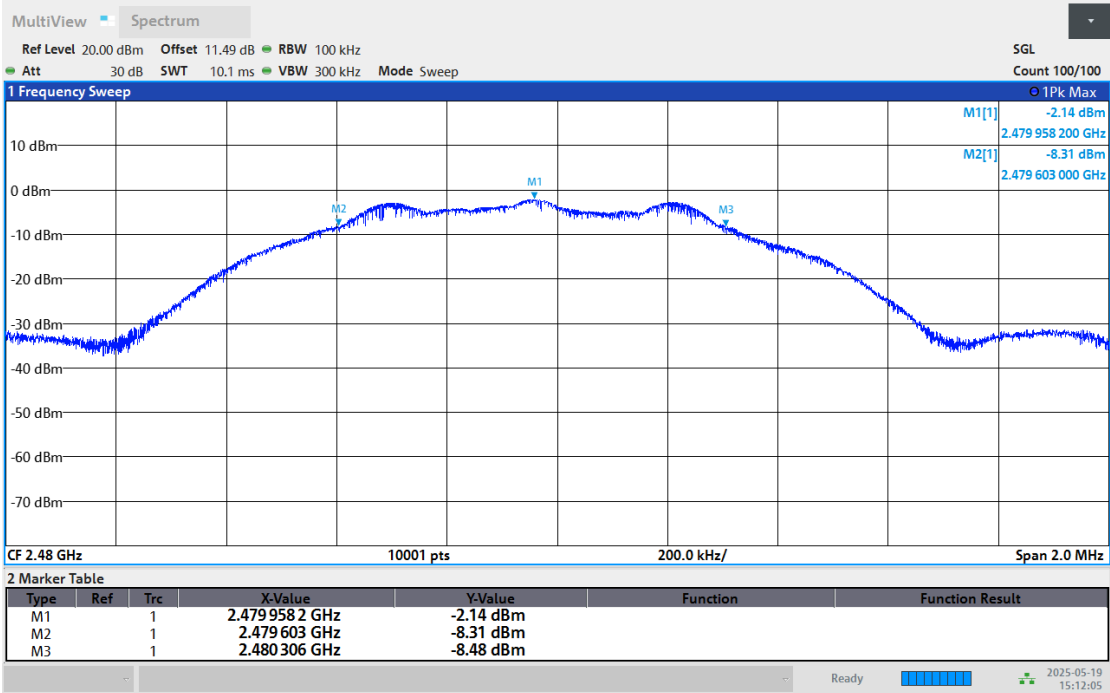
6dB Occupied Bandwidth



03:10:15 PM 05/19/2025

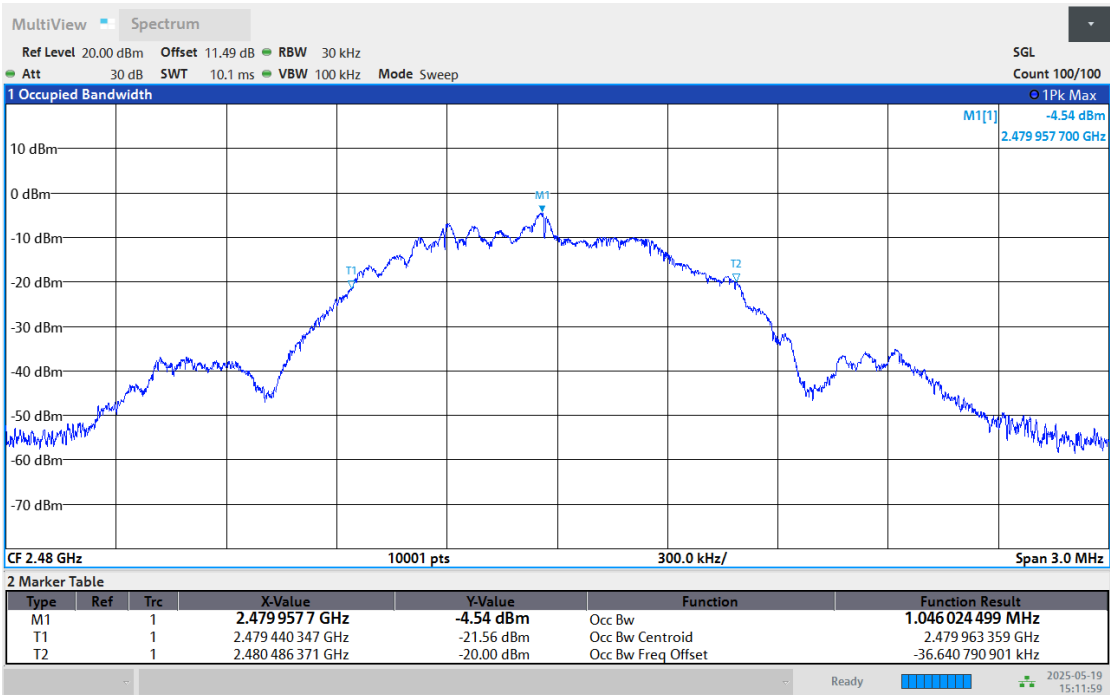
99% Occupied Bandwidth

2480MHz, 1Mbps



03:12:06 PM 05/19/2025

6dB Occupied Bandwidth



03:12:00 PM 05/19/2025

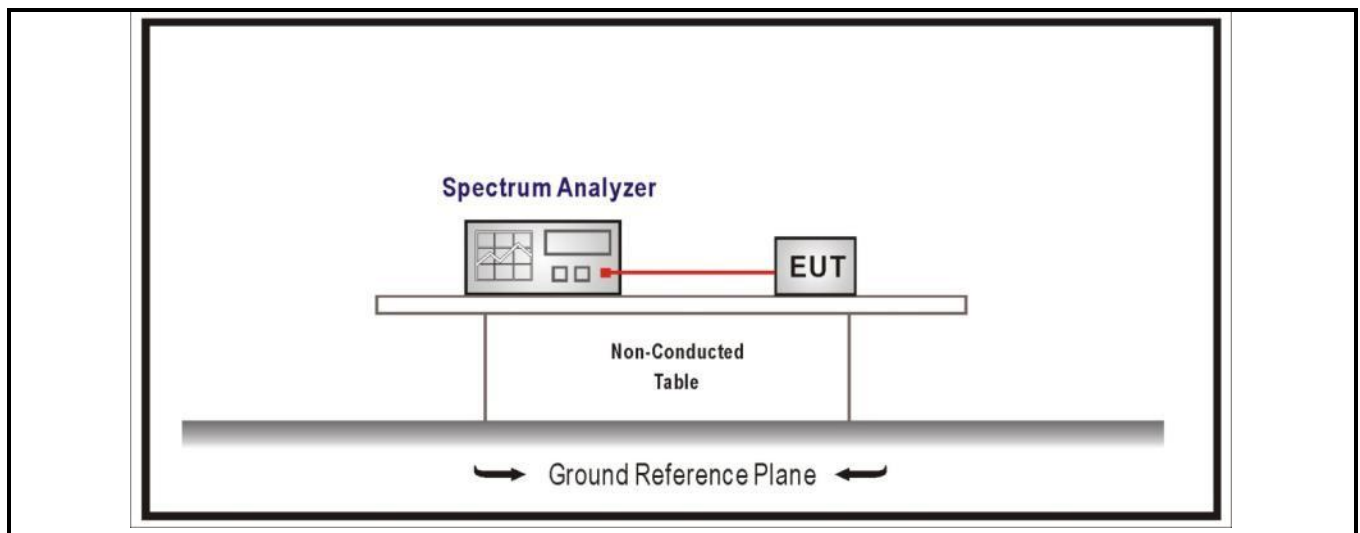
99% Occupied Bandwidth

4.7	Fundamental emission output power	VERDICT: PASS
-----	--	----------------------

Limit

Standard		FCC Part 15 Subpart C Paragraph 15.247 (b)(3)
☒	GTX < 6dBi	Pout≤30dBm
☐	GTX > 6dBi	
☐	Non-Fix point-point	Pout≤30-(GTX -6)
☐	Fix point-point	Pout≤30-[(GTX-6)]/3
☐	Point-to-multipoint	Pout≤30-(GTX-6)
☐	Overlap Beams	Pout≤30-[(GTX-6)]/3
☐	Aggregate power transmitted simultaneously on all beams	Pout≤30-[(GTX-6)]/3
☐	singby LE directional beam	Pout≤30-[(GTX-6)]/3+8dB
Note 1 : GTX directional gain of transmitting antennas.		
Note 2 : Pout is maximum peak conducted output power .		

Test Configuration



Performed measurements

Port under test	Antenna port	
Test method applied	☒	Conducted measurement
	☐	Radiated measurement
Test setup	Refer to the Annex 3 for test setup photo(s).	
Operating mode(s) used	Mode 1	
Remark	---	

See next page.

Results

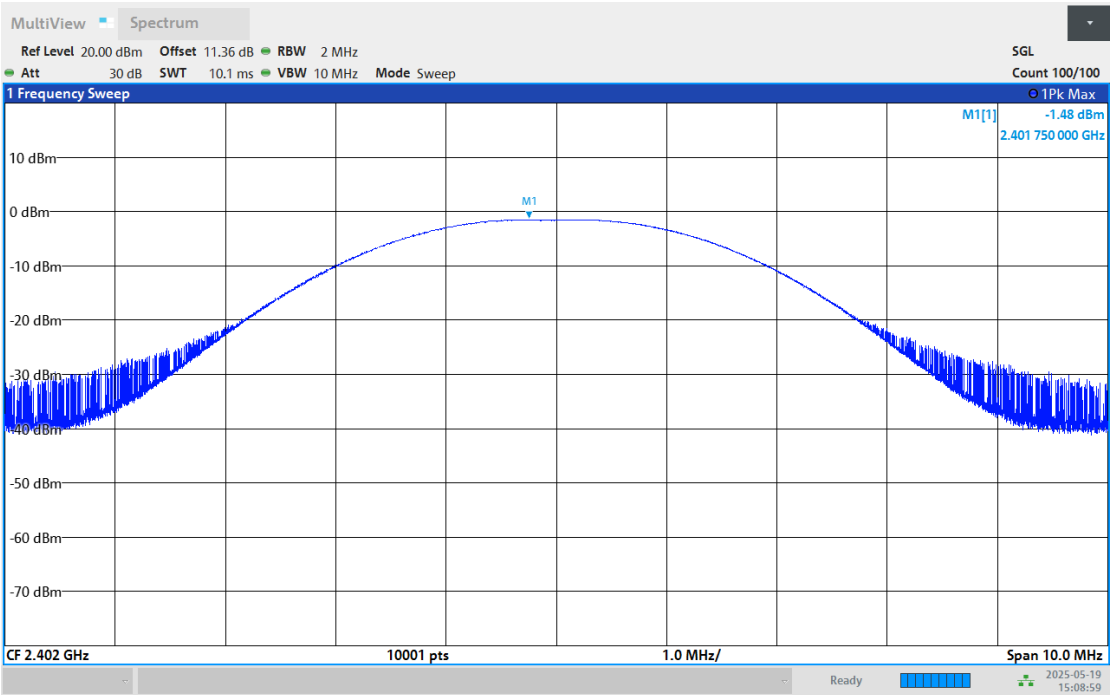
Mode	Channel	Test Frequency (MHz)	Output Power (dBm)	Output Power Limit (dBm)	EIRP (dBm)	Result
BLE 1Mbps	00	2402	-1.48	≤30	-2.75	Pass
	19	2440	-2.23	≤30	-3.50	Pass
	39	2480	-1.96	≤30	-3.23	Pass

Note: EIRP = Output Power + Antenna Gain

Antenna Gain: -1.27dBi

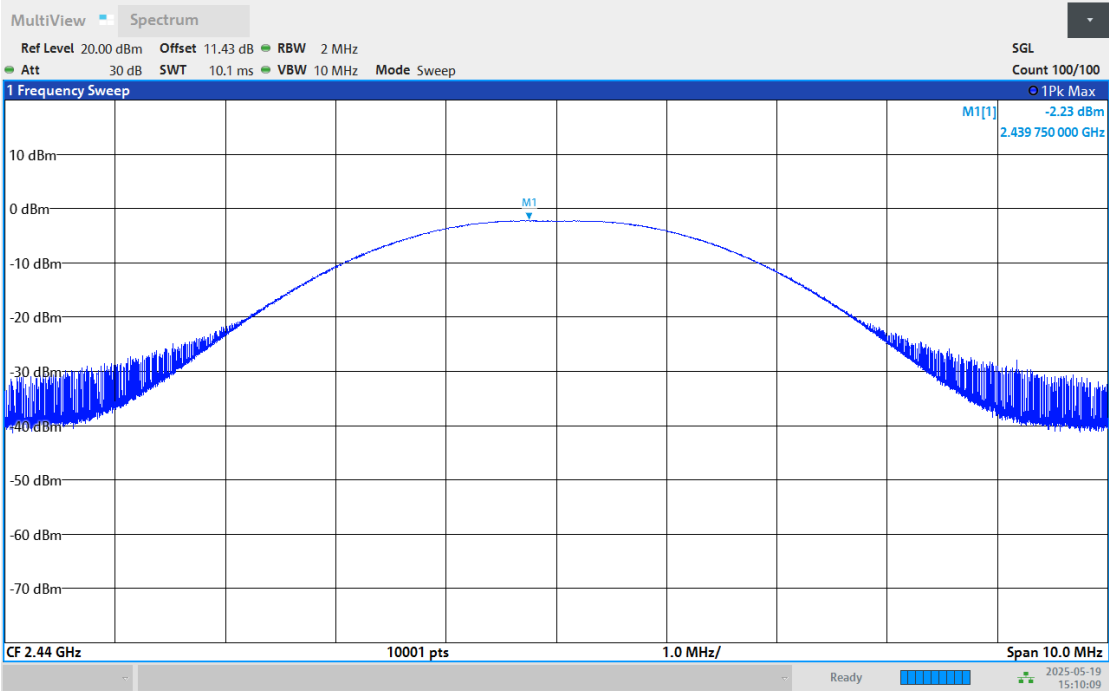
Output Power

2402MHz, 1Mbps



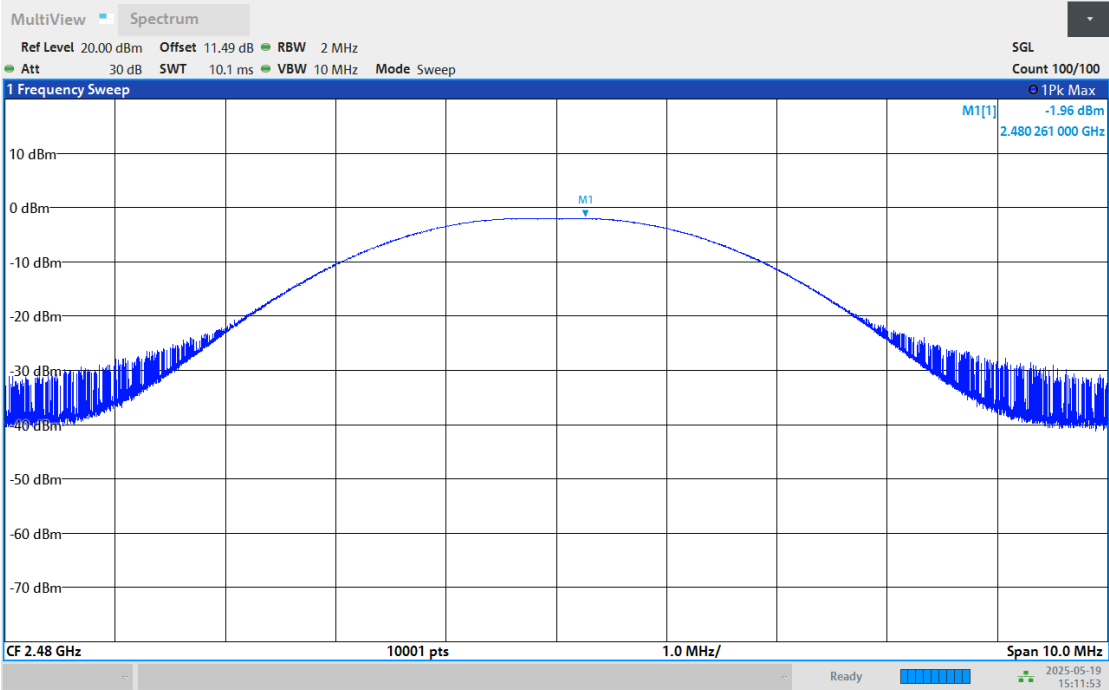
03:08:59 PM 05/19/2025

2440MHz, 1Mbps



03:10:10 PM 05/19/2025

2480MHz, 1Mbps



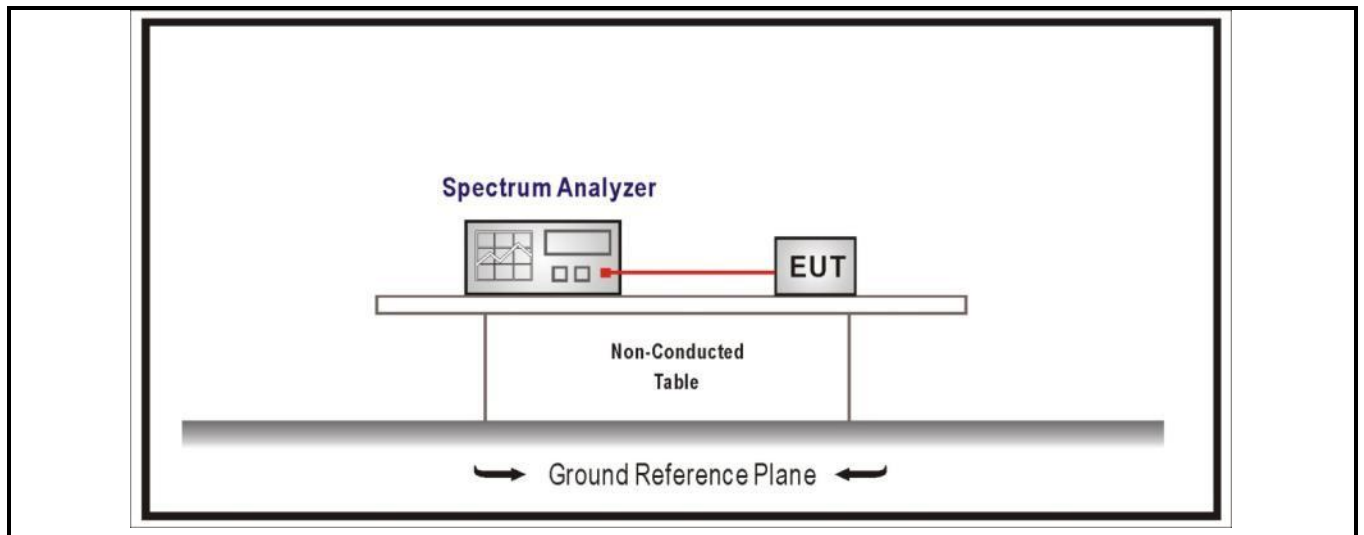
03:11:54 PM 05/19/2025

4.8	Power Spectral Density	VERDICT: PASS
-----	------------------------	---------------

Limit

Standard	FCC Part 15 Subpart C Paragraph 15.247 (b)(3)
Power Spectral Density ≤ 8 dBm/3kHz	

Test Configuration



Performed measurements

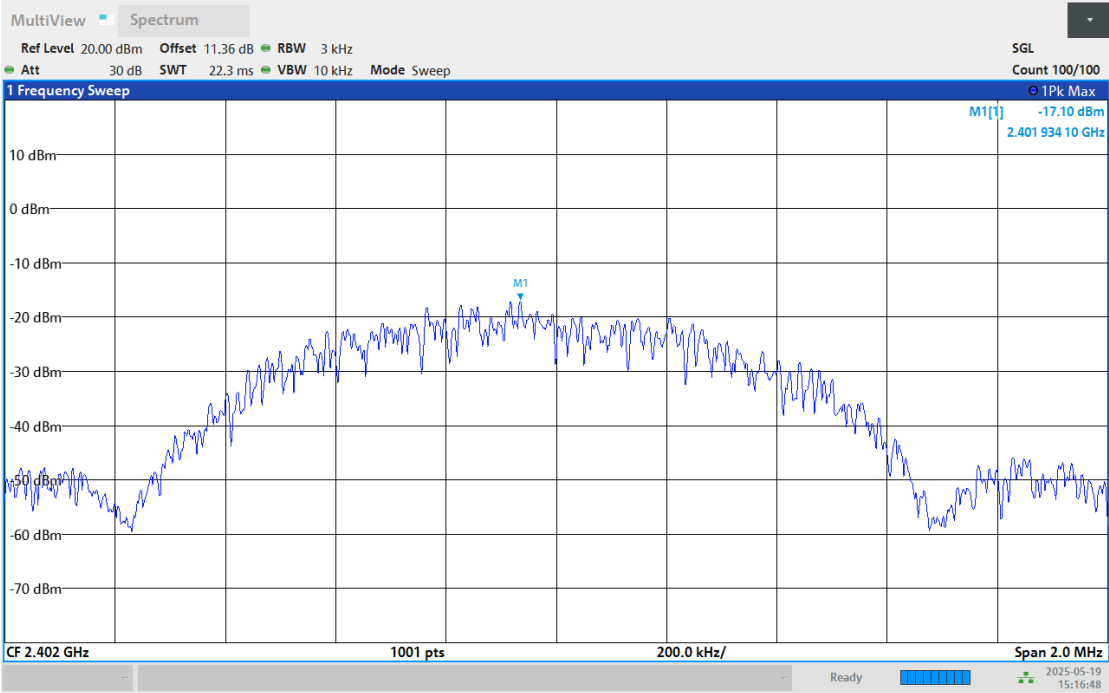
Port under test	Antenna port	
Test method applied	☒	Conducted measurement
	☐	Radiated measurement
Test setup	Refer to the Annex 3 for test setup photo(s).	
Operating mode(s) used	Mode 1	
Remark	---	

Results

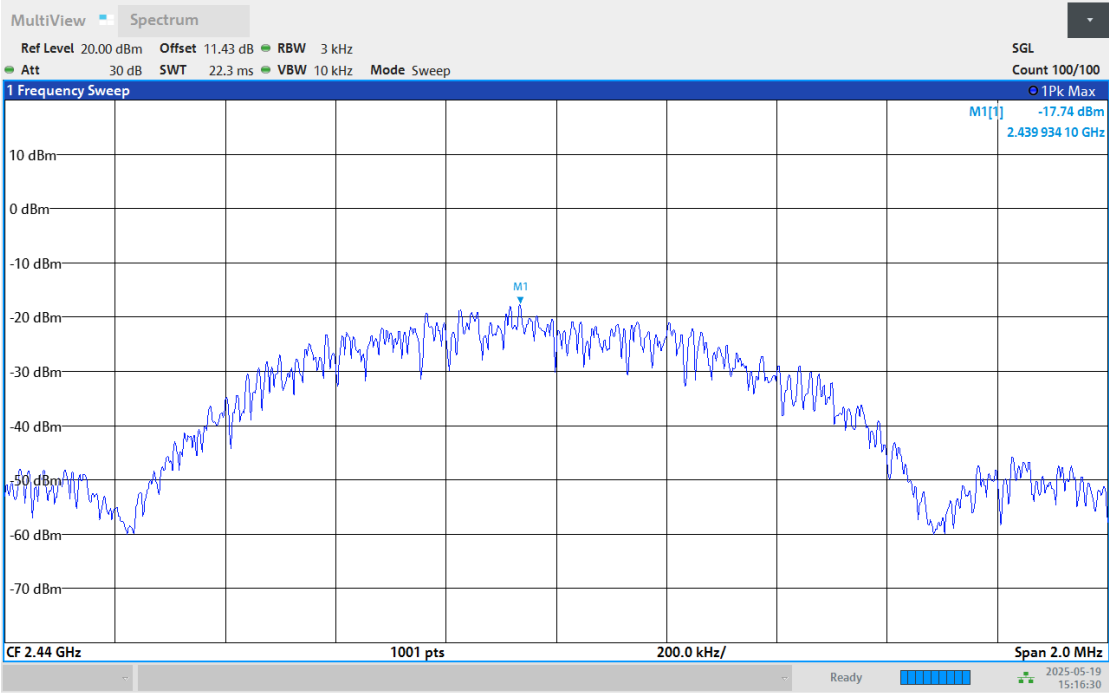
Mode	Channel	Test Frequency (MHz)	Power Spectral Density (dBm)	Limit (dBm/3kHz)	Result
BLE 1Mbps	00	2402	-17.10	≤ 8	Pass
	19	2440	-17.74	≤ 8	Pass
	39	2480	-17.71	≤ 8	Pass

Power Spectral Density

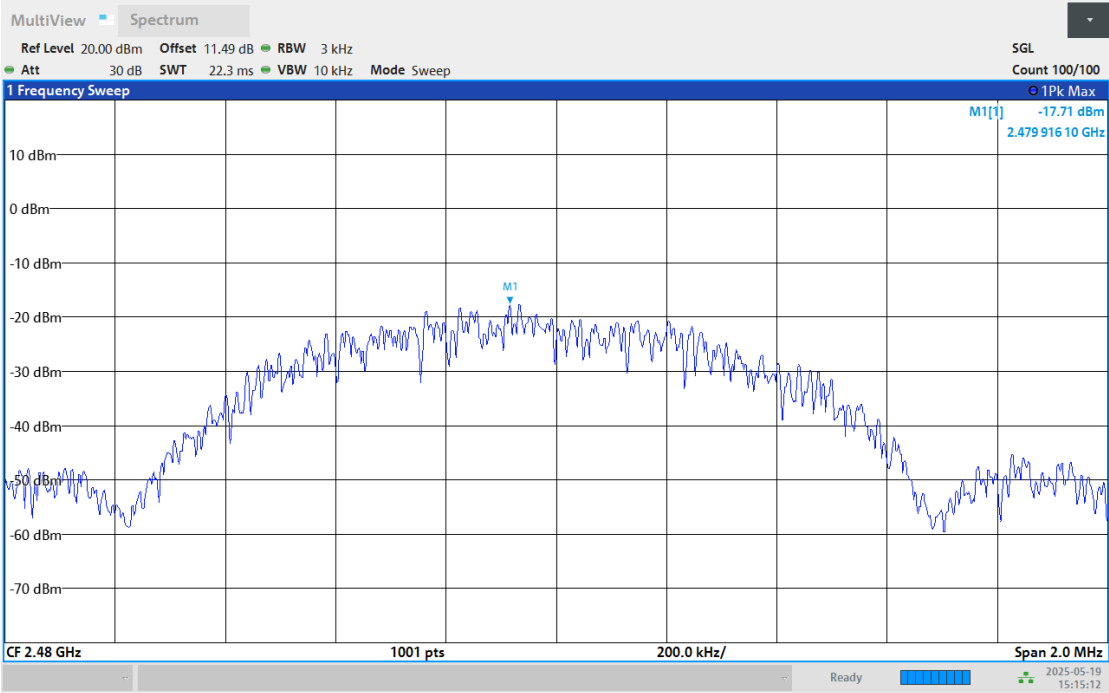
2402MHz, 1Mbps



2440MHz, 1Mbps



2480MHz, 1Mbps



03:15:13 PM 05/19/2025

4.9	Antenna Requirement	VERDICT: PASS
-----	----------------------------	----------------------

Limit

Standard	FCC Part 15 Subpart C Paragraph 15.203
An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited. This requirement does not apply to carrier current devices or to devices operated under the provisions of §15.211, §15.213, §15.217, §15.219, or §15.221. Further, this requirement does not apply to intentional radiators that must be professionally installed, such as perimeter protection systems and some field disturbance sensors, or to other intentional radiators which, in accordance with §15.31(d), must be measured at the installation site. However, the installer shall be responsible for ensuring that the proper antenna is employed so that the limits in this part are not exceeded.	

Antenna Connector Construction

☒	The use of a permanently attached antenna
☐	The antenna use of a unique coupling to the intentional radiator
☐	The use of a nonstandard antenna jack or electrical connector
Please refer to the attached document "Internal Photograph" to show the antenna connector.	

5 IDENTIFICATION OF THE EQUIPMENT UNDER TEST

Remark: The test setup photo and EUT Photo please see appendix.

ANNEX 1 – MEASUREMENT UNCERTAINTY

Uncertainties have been calculated according to the DEKRA internal document. The reported expanded uncertainties are based on a standard uncertainty multiplied by a coverage factor of k=2, providing a level of confidence of approximately 95%.

Test Item	Uncertainty	
AC Power Line Conducted Emission	2.7 dB	
Radio frequency & Bandwidth	2 ppm	
RF power, conducted	0.216 dB	
Dwell Time	2.016 ms	
Spurious emissions, radiated	(9KHz~30MHz)	2.26 dB
	(30MHz~1GHz)	Horizontal: 3.992 dB
		Vertical: 3.986 dB
	(1GHz~8GHz)	Horizontal: 4.382 dB
		Vertical: 4.140 dB
	(8GHz~12.75GHz)	Horizontal: 4.266 dB
		Vertical: 4.186 dB
	(12.75GHz~18GHz)	Horizontal: 4.694 dB
		Vertical: 4.034 dB
	(18GHz~40GHz)	Horizontal: 4.010 dB
		Vertical: 4.024 dB
Humidity	1.4 %	
Temperature	0.5 °C	

ANNEX 2 – USED EQUIPMENT

For AC Power Line Conducted Emission - Shielded Room No.1

Equipment Name	Manufacturer	Type/Model	Serial Number	Last Cal Date	Cal Due date
EMI Test Receiver	ROHDE & SCHWARZ	ESR3	102958	2024/06/14	2025/06/13
Artificial Mains Network	ROHDE & SCHWARZ	ENV216	102772	2024/06/14	2025/06/13
Software	ROHDE & SCHWARZ	ELEKTRA	4.32.0	N/A	N/A

For Conducted Emission (150 kHz to 30 MHz) - Anechoic Chamber No.1

Equipment Name	Manufacturer	Type/Model	Serial Number	Last Cal Date	Cal Due date
EMI test receiver	R&S	ESR3	102958	2024/06/14	2025/06/13
Artificial Mains Network	R&S	ENV216	102772	2024/06/14	2025/06/13
Artificial Mains Network	R&S	ENV216	101620	2024/06/14	2025/06/13
Asymmetric artificial network	SCHWARZBECK	NTFM8131	8131-151	2024/08/24	2025/08/23
Attenuator 26dB	SHANGHAI ESE	20dB+6dB	01	2024/06/14	2025/06/13
8-Wire ISN	TESEQ	ISN ST08	38053	2025/01/20	2026/01/20
High power voltage probe	SCHWARZBECK	TK9421	#308	2024/06/14	2025/06/13
Current probe	ETS.LINDGREN	91550-1L	218473	2024/06/17	2025/06/16
Software	R&S	ELEKTRA	4.32.0	N/A	N/A

For Radiated Emission (9 KHz to 1000 MHz) - Anechoic Chamber No.1

Equipment Name	Manufacturer	Type/Model	Serial Number	Last Cal Date	Cal Due date
EMI Test Receiver	ROHDE & SCHWARZ	ESR7	102433	2024/11/20	2025/11/19
Trilog Broadband Antenna+Attenuator	SCHWARZBECK	VULB9163/6dB	01514	2025/03/31	2026/03/30
Active loop antenna	Schwarzbeck	HFH2-Z2E	101077	2025/04/24	2026/04/23
Open Switch and Control Unit	ROHDE & SCHWARZ	OSP220	102232	N/A	N/A
Software	ROHDE & SCHWARZ	ELEKTRA	4.20.2	N/A	N/A

For Spurious Emissions Test - Anechoic Chamber No.2

Equipment Name	Manufacturer	Type/Model	Serial Number	Last Cal Date	Cal Due date
Wideband Radio Communication Tester	ROHDE & SCHWARZ	CMW500	171082	2025/01/21	2026/01/20
Signal & Spectrum Analyzer	ROHDE & SCHWARZ	FSV3044	101286	2025/01/21	2026/01/20
FILTERBANK	ROHDE & SCHWARZ	N/A	100778	N/A	N/A
Open Switch and Control Unit	ROHDE & SCHWARZ	OSP220	102454	N/A	N/A
System Controller Interface	ROHDE & SCHWARZ	SCI-200	520020123	N/A	N/A
Trilog Broadband Antenna	Schwarzbeck	VULB9163	01514	2025/03/14	2026/03/13
Wave Guide Antenna	Schwarzbeck	3117	00240298	2025/03/05	2026/03/04
Antenna	Schwarzbeck	QMS-00208	27745	2025/03/05	2026/03/04
Antenna	Schwarzbeck	QMS-00880	27646	2025/03/17	2026/03/16
Pre-Amplifier	ROHDE & SCHWARZ	SCU08F1	101136	2025/01/21	2026/01/20
Pre-Amplifier	ROHDE & SCHWARZ	SCU18F	100971	2025/02/24	2026/02/23
Pre-Amplifier	ROHDE & SCHWARZ	SCU18F	100970	2025/02/24	2026/02/23
Pre-Amplifier	ROHDE & SCHWARZ	SCU40F1	100631	2025/02/24	2026/02/23
Software	ROHDE & SCHWARZ	ELEKTRA	4.52.1	N/A	N/A

For other test items - Shielded Room (RF)

Equipment Name	Manufacturer	Type/Model	Serial Number	Last Cal Date	Cal Due date
Vector signal generator	ROHDE & SCHWARZ	SMM100A	101780	2025/01/21	2026/01/20
Open switch and control platform	ROHDE & SCHWARZ	OSP150	100856	2024/11/22	2025/11/21
Signal & Spectrum Analyzer	ROHDE & SCHWARZ	FSV3044	101287	2025/02/24	2026/02/23
Wireless Connectivity Tester	ROHDE & SCHWARZ	CMW270	102651	2025/01/21	2026/01/20
Signal Generator	ROHDE & SCHWARZ	SMB100A	183222	2025/01/21	2026/01/20
DC Power Supply	apc	ADC-0800100-15	D222120022	2024/11/22	2025/11/21
AC Power Supply	apc	KDF-11005GS	F322120041	2025/01/21	2026/01/20
Temperature & Humidity Chamber	HESON	HS-225B	CDW230301-01	2025/02/18	2026/02/17
Software	MWRFTtest	MTS 8310	2.0.0.0	N/A	N/A

--- END ---