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TEST REPORT

FCC ID: 2AHYJ-TVE1070M

Product: Tablet

Model No.: LincPlus T3

Trade Mark: LincPlus

Report No.: WSCT-A2LA-R&E230300006A-LE

Issued Date: 10 April 2023

Issued for:

Techvision Intelligent Technology Co.,Ltd.
5F, No.2 Building, District D, TCL international E City, Nanshan, ShenZhen,
China

Issued By:

World Standardization Certification & Testing Group(Shenzhen) Co.,Ltd.
Building A-B, Baoshi Science & Technology Park, Baoshi Road,
Bao'an District, Shenzhen, Guangdong, China
TEL: +86-755-26996192
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Report No.: WSCT-A2LA-R&E230300006A-LE

Certificate #5768.01

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1. Test Certification

Product:	Tablet
Model No.:	LincPlus T3
Trade Mark:	LincPlus
Applicant:	Techvision Intelligent Technology Co.,Ltd.
Address:	5F, No.2 Building, District D, TCL international E City, Nanshan, Shenzhen, China
Manufacturer:	Techvision Intelligent Technology Co.,Ltd.
Address:	5F, No.2 Building, District D, TCL international E City, Nanshan, Shenzhen, China
Date of Test:	10 March 2023 ~ 09 April 2023
Applicable Standards:	FCC CFR Title 47 Part 15 Subpart C Section 15.247 KDB 558074 D01 DTS Meas Guidance v04

The above equipment has been tested by World Standardization Certification & Testing Group(Shenzhen)Co., Ltd. and found compliance with the requirements set forth in the technical standards mentioned above. The results of testing in this report apply only to the product/system, which was tested. Other similar equipment will not necessarily produce the same results due to production tolerance and measurement uncertainties.

Tested By: Wang Xiang

(Wang Xiang)

Checked By: Li Huaibi

(Li Huaibi)

Approved By: Liu Fuxin

(Liu Fuxin)

Date: 10 April 2023

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2. Test Result Summary

Requirement	CFR 47 Section	Result
Antenna requirement	§15.203/§15.247 (c)	PASS
AC Power Line Conducted Emission	§15.207	PASS
Conducted Peak Output Power	§15.247 (b)(3) §2.1046	PASS
6dB Emission Bandwidth	§15.247 (a)(2) §2.1049	PASS
Power Spectral Density	§15.247 (e)	PASS
Band Edge	1§5.247(d) §2.1051, §2.1057	PASS
Spurious Emission	§15.205/§15.209 §2.1053, §2.1057	PASS

Note:

1. PASS: Test item meets the requirement.
2. Fail: Test item does not meet the requirement.
3. N/A: Test case does not apply to the test object.
4. The test result judgment is decided by the limit of test standard.



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3. EUT Description

Product:	Tablet
Model No.:	LincPlus T3
Trade Mark:	LincPlus
Operation Frequency:	2402MHz~2480MHz
Channel Separation:	2MHz
Number of Channel:	40
Modulation Technology:	GFSK
Antenna Type:	Integral Antenna
Antenna Gain:	0.86dBi
Rechargeable Li-Polymer Battery:	Li-ion Battery: U3158123PV Rated Voltage: 3.8V Rated Capacity: 7000mAh
Adapter:	Adapter: MX21PD-U Input: 100-240V~50/60Hz 0.5A Output: 5V---3A/9V---2.22A/12V---1.67A
Remark:	N/A

Operation Frequency each of channel

Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
0	2402MHz	10	2422MHz	20	2442MHz	30	2462MHz
1	2404MHz	11	2424MHz	21	2444MHz	31	2464MHz
...
8	2418MHz	18	2438MHz	28	2458MHz	38	2478MHz
9	2420MHz	19	2440MHz	29	2460MHz	39	2480MHz

Remark: Channel 0, 19 & 39 have been tested.



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4. General Information

4.1. Test environment and mode

Operating Environment:	
Temperature:	25.0 °C
Humidity:	56 % RH
Atmospheric Pressure:	1010 mbar
Test Mode:	
Engineering mode:	Keep the EUT in continuous transmitting by select channel and modulations(The value of duty cycle is 98.46%) with Fully-charged battery.
<p>The sample was placed (0.1m below 1GHz, 1.5m above 1GHz) above the ground plane of 3m chamber. Measurements in both horizontal and vertical polarities were performed. During the test, each emission was maximized by: having the EUT continuously working, investigated all operating modes, rotated about all 3 axis (X, Y & Z) and considered typical configuration to obtain worst position, manipulating interconnecting cables, rotating the turntable, varying antenna height from 1m to 4m in both horizontal and vertical polarizations. The emissions worst-case are shown in Test Results of the following pages.</p>	

4.2. Description of Support Units

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

Equipment	Model No.	Serial No.	FCC ID	Trade Name
Adapter	Adapter	/	/	ADAPTER

Note:

1. All the equipment/cables were placed in the worst-case configuration to maximize the emission during the test.
2. Grounding was established in accordance with the manufacturer's requirements and conditions for the intended use.
3. For conducted measurements (Output Power, 6dB Emission Bandwidth, Power Spectral Density, Spurious Emissions), the antenna of EUT is connected to the test equipment via temporary antenna connector, the antenna connector is soldered on the antenna port of EUT, and the temporary antenna connector is listed in the Test Instruments.



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5. Facilities and Accreditations

5.1. Facilities

All measurement facilities used to collect the measurement data are located at **Building A-B, Baoshi Science & Technology Park, Baoshi Road, Bao'an District, Shenzhen, Guangdong, China** of the World Standardization Certification & Testing Group(Shenzhen) CO., LTD

The sites are constructed in conformance with the requirements of ANSI C63.4 and CISPR Publication 32. All receiving equipment conforms to CISPR Publication 16-1, "Radio Interference Measuring Apparatus and Measurement Methods."

5.2. ACCREDITATIONS

CNAS - Registration Number: L3732

China National Accreditation Service for Conformity Assessment, The test firm Registration Number: L3732

FCC - Designation Number: CN1303

World Standardization Certification & Testing Group(Shenzhen) CO., LTD. has been accredited as a testing laboratory by FCC(Federal Communications Commission). The test firm Designation Number: CN1303.

A2LA - Certificate Number: 5768.01

The EMC Laboratory has been accredited by the American Association for Laboratory Accreditation (A2LA).Certification Number: 5768.01



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5.3. Measurement Uncertainty

The reported uncertainty of measurement $y \pm U$, where expended uncertainty U is based on a standard uncertainty multiplied by a coverage factor of $k=2$, providing a level of confidence of approximately 95 %.

No.	Item	MU
1	Conducted Emission Test	$\pm 3.2\text{dB}$
2	RF power, conducted	$\pm 0.16\text{dB}$
3	Spurious emissions, conducted	$\pm 0.21\text{dB}$
4	All emissions, radiated(<1GHz)	$\pm 4.7\text{dB}$
5	All emissions, radiated(>1GHz)	$\pm 4.7\text{dB}$
6	Temperature	$\pm 0.5^\circ\text{C}$
7	Humidity	$\pm 2.0\%$



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5.4. MEASUREMENT INSTRUMENTS

NAME OF EQUIPMENT	MANUFACTURER	MODEL	SERIAL NUMBER	Calibration Date	Calibration Due.
Test software	--	EZ-EMC	CON-03A	-	-
Test software	--	MTS8310	-	-	-
EMI Test Receiver	R&S	ESCI	100005	11/05/2022	11/04/2023
LISN	AFJ	LS16	16010222119	11/05/2022	11/04/2023
LISN(EUT)	Mestec	AN3016	04/10040	11/05/2022	11/04/2023
Universal Radio Communication Tester	R&S	CMU 200	1100.0008.02	11/05/2022	11/04/2023
Coaxial cable	Megalon	LMR400	N/A	11/05/2022	11/04/2023
GPIB cable	Megalon	GPIB	N/A	11/05/2022	11/04/2023
Spectrum Analyzer	R&S	FSU	100114	11/05/2022	11/04/2023
Pre Amplifier	H.P.	HP8447E	2945A02715	11/05/2022	11/04/2023
Pre-Amplifier	CDSI	PAP-1G18-38	--	11/05/2022	11/04/2023
Bi-log Antenna	SUNOL Sciences	JB3	A021907	11/05/2022	11/04/2023
9*6*6 Anechoic	--	--	--	11/05/2022	11/04/2023
Horn Antenna	COMPLIANCE ENGINEERING	CE18000	--	11/05/2022	11/04/2023
Horn Antenna	SCHWARZBECK	BBHA9120D	9120D-631	11/05/2022	11/04/2023
Cable	TIME MICROWAVE	LMR-400	N-TYPE04	11/05/2022	11/04/2023
System-Controller	CCS	N/A	N/A	N.C.R	N.C.R
Turn Table	CCS	N/A	N/A	N.C.R	N.C.R
Antenna Tower	CCS	N/A	N/A	N.C.R	N.C.R
RF cable	Murata	MXHQ87WA3000	-	11/05/2022	11/04/2023
Loop Antenna	EMCO	6502	00042960	11/05/2022	11/04/2023
Horn Antenna	SCHWARZBECK	BBHA 9170	1123	11/05/2022	11/04/2023
Power meter	Anritsu	ML2487A	6K00003613	11/05/2022	11/04/2023
Power sensor	Anritsu	MX248XD	--	11/05/2022	11/04/2023
Spectrum Analyzer	Keysight	N9010B	MY60241089	11/05/2022	11/04/2023



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6. Test Results and Measurement Data

6.1. Antenna requirement

Standard requirement:	FCC Part15 C Section 15.203 /247(c)
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15.203 requirement:

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, 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.

15.247(c) (1)(i) requirement:

(i) Systems operating in the 2400-2483.5 MHz band that is used exclusively for fixed. Point-to-point operations may employ transmitting antennas with directional gain greater than 6dBi provided the maximum conducted output power of the intentional radiator is reduced by 1 dB for every 3 dB that the directional gain of the antenna exceeds 6dBi.

E.U.T Antenna:

The Bluetooth antenna is a Integral Antenna. it meets the standards, and the best case gain of the antenna is 2.16dBi.





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6.2. Conducted Emission

6.2.1. Test Specification

Test Requirement:	FCC Part15 C Section 15.207														
Test Method:	ANSI C63.10:2014														
Frequency Range:	150 kHz to 30 MHz														
Receiver setup:	RBW=9 kHz, VBW=30 kHz, Sweep time=auto														
Limits:	<table border="1"> <thead> <tr> <th rowspan="2">Frequency range (MHz)</th> <th colspan="2">Limit (dBuV)</th> </tr> <tr> <th>Quasi-peak</th> <th>Average</th> </tr> </thead> <tbody> <tr> <td>0.15-0.5</td> <td>66 to 56*</td> <td>56 to 46*</td> </tr> <tr> <td>0.5-5</td> <td>56</td> <td>46</td> </tr> <tr> <td>5-30</td> <td>60</td> <td>50</td> </tr> </tbody> </table>	Frequency range (MHz)	Limit (dBuV)		Quasi-peak	Average	0.15-0.5	66 to 56*	56 to 46*	0.5-5	56	46	5-30	60	50
Frequency range (MHz)	Limit (dBuV)														
	Quasi-peak	Average													
0.15-0.5	66 to 56*	56 to 46*													
0.5-5	56	46													
5-30	60	50													
Test Setup:	<p>Reference Plane</p> <p>Remark E.U.T: Equipment Under Test LISN: Line Impedance Stabilization Network Test table height=0.8m</p>														
Test Mode:	Charging + Transmitting Mode														
Test Procedure:	<ol style="list-style-type: none"> 1. The E.U.T is connected to an adapter through a line impedance stabilization network (L.I.S.N.). This provides a 50ohm/50uH coupling impedance for the measuring equipment. 2. The peripheral devices are also connected to the main power through a LISN that provides a 50ohm/50uH coupling impedance with 50ohm termination. (Please refer to the block diagram of the test setup and photographs). 3. Both sides of A.C. line are checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.10:2014 on conducted measurement. 														
Test Result:	PASS														



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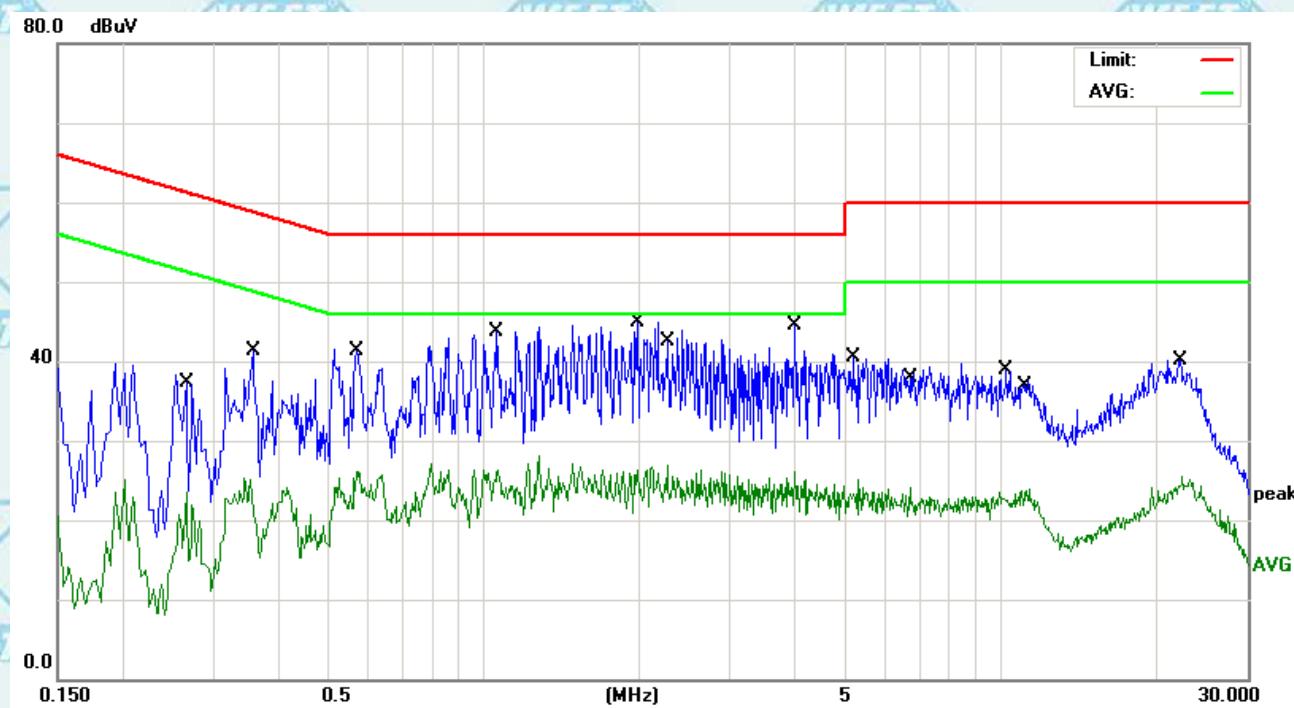
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6.2.2. Test data

Please refer to following diagram for individual

Conducted Emission on Line Terminal of the power line (150 kHz to 30MHz)



No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over
			Level	Factor	ment		
		MHz	dBuV	dB	dBuV	dBuV	dB
1		0.2660	13.10	10.42	23.52	51.24	-27.72
2		0.3580	30.88	10.44	41.32	58.77	-17.45
3		0.5700	15.72	10.48	26.20	46.00	-19.80
4		1.0620	33.20	10.52	43.72	56.00	-12.28
5	*	1.9820	34.26	10.66	44.92	56.00	-11.08
6		2.2659	16.32	10.66	26.98	46.00	-19.02
7		4.0020	33.89	10.68	44.57	56.00	-11.43
8		5.1900	29.86	10.69	40.55	60.00	-19.45
9		6.6900	13.42	10.72	24.14	50.00	-25.86
10		10.2460	28.18	10.80	38.98	60.00	-21.02
11		10.9900	12.91	10.84	23.75	50.00	-26.25
12		22.5180	14.42	11.01	25.43	50.00	-24.57



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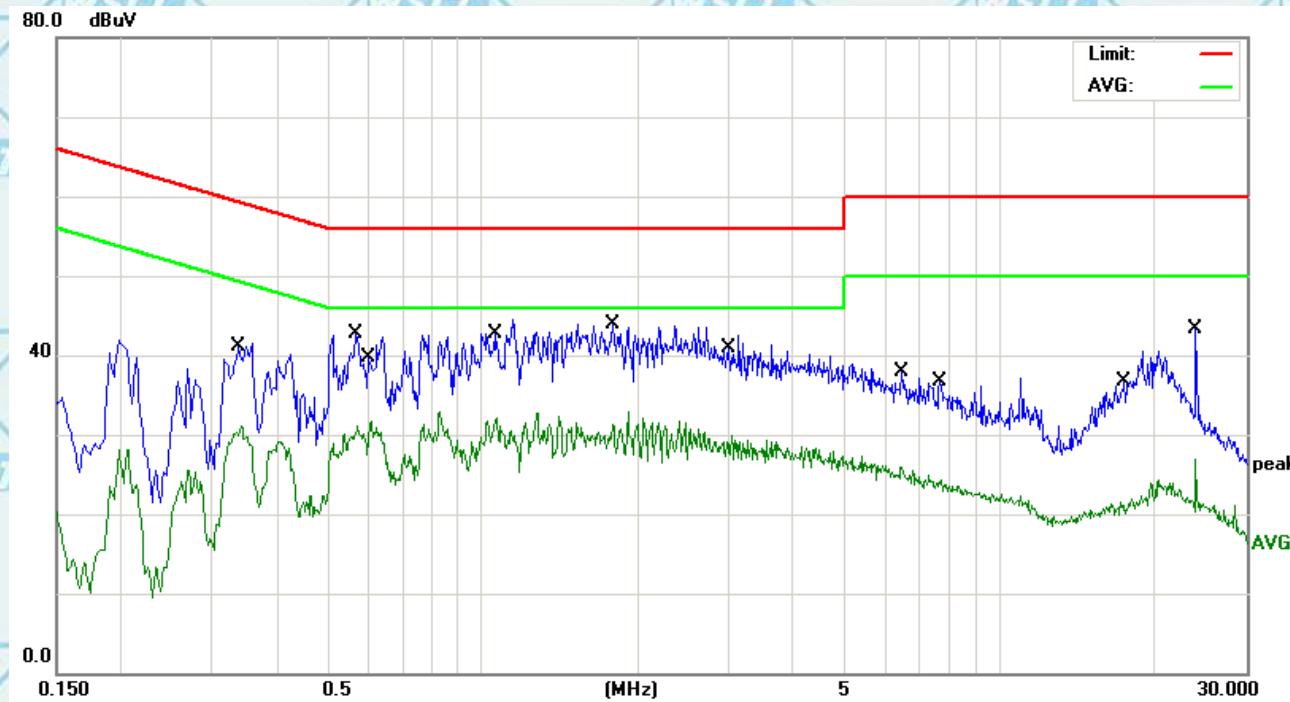


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Conducted Emission on Neutral Terminal of the power line (150 kHz to 30MHz)



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector
1	0.3339	29.25	10.44	39.69	59.35	-19.66	QP	
2	0.3420	20.69	10.44	31.13	49.15	-18.02	AVG	
3	0.5700	32.15	10.48	42.63	56.00	-13.37	QP	
4	0.6100	21.14	10.48	31.62	46.00	-14.38	AVG	
5	1.0660	21.67	10.52	32.19	46.00	-13.81	AVG	
6	*	1.7900	33.19	10.63	43.82	56.00	-12.18	QP
7	3.0340	19.17	10.67	29.84	46.00	-16.16	AVG	
8	6.4699	15.16	10.72	25.88	50.00	-24.12	AVG	
9	7.6820	25.88	10.74	36.62	60.00	-23.38	QP	
10	17.4180	25.70	11.06	36.76	60.00	-23.24	QP	
11	23.9980	32.25	10.99	43.24	60.00	-16.76	QP	
12	23.9980	15.90	10.99	26.89	50.00	-23.11	AVG	

Note:

Freq. = Emission frequency in MHz

Reading level (dB μ V) = Receiver reading

Corr. Factor (dB) = Antenna factor + Cable loss

Measurement (dB μ V) = Reading level (dB μ V) + Corr. Factor (dB)Limit (dB μ V) = Limit stated in standardMargin (dB) = Measurement (dB μ V) - Limits (dB μ V)

Q.P. = Quasi-Peak AVG = average

* is meaning the worst frequency has been tested in the frequency range 150 kHz to 30MHz.



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6.3. Conducted Output Power

6.3.1. Test Specification





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6.3.2. Test Data

BLE 1M			
Test channel	Maximum Conducted Output Power (dBm)	Limit (dBm)	Result
Lowest	-6.01	30.00	PASS
Middle	-4.25	30.00	PASS
Highest	-6.46	30.00	PASS

BLE 2M			
Test channel	Maximum Conducted Output Power (dBm)	Limit (dBm)	Result
Lowest	-3.12	30.00	PASS
Middle	-1.48	30.00	PASS
Highest	-3.67	30.00	PASS

Test plots as follows:



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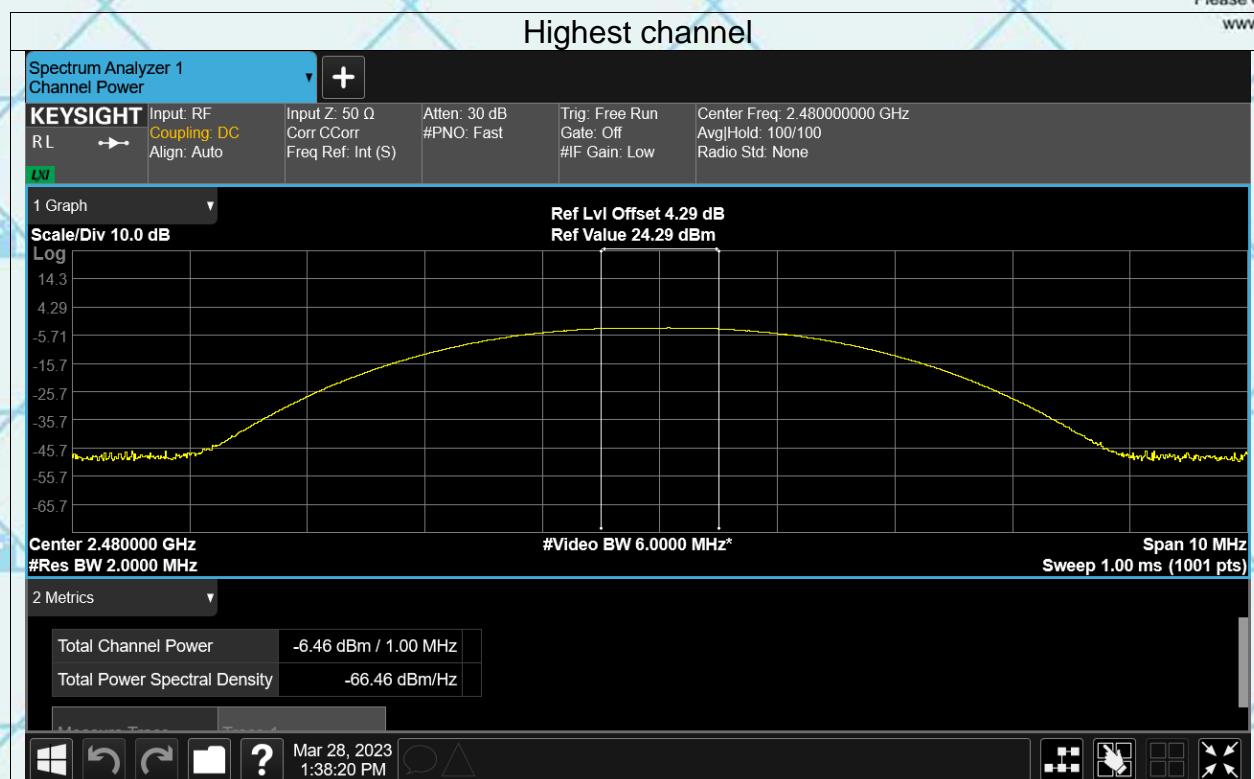
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6.4. Emission Bandwidth

6.4.1. Test Specification





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6.4.2. Test data

BLE 1M

Test channel	6dB Emission Bandwidth (kHz)		
	BT LE mode	Limit	Result
Lowest	0.674	>500k	PASS
Middle	0.659	>500k	
Highest	0.672	>500k	

BLE 2M

Test channel	6dB Emission Bandwidth (kHz)		
	BT LE mode	Limit	Result
Lowest	1.231	>500k	PASS
Middle	1.151	>500k	
Highest	1.141	>500k	

Test plots as follows:

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6.5.3. Test data

Test channel	Power Spectral Density (dBm/3kHz)		
	BLE 1M	Limit	Result
Lowest	-18.86	8 dBm/3kHz	PASS
Middle	-17.2	8 dBm/3kHz	
Highest	-19.41	8 dBm/3kHz	

Test channel	Power Spectral Density (dBm/3kHz)		
	BLE 2M	Limit	Result
Lowest	-21.14	8 dBm/3kHz	PASS
Middle	-19.56	8 dBm/3kHz	
Highest	-21.78	8 dBm/3kHz	

Test plots as follows:

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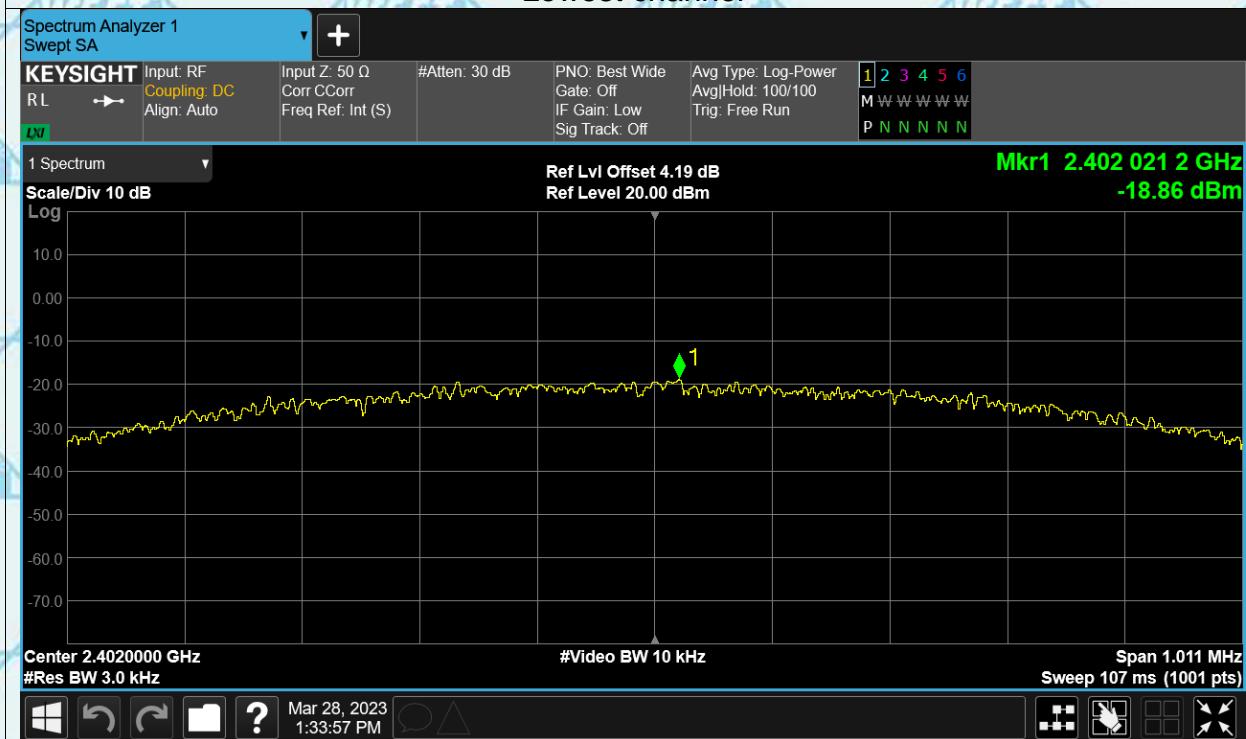
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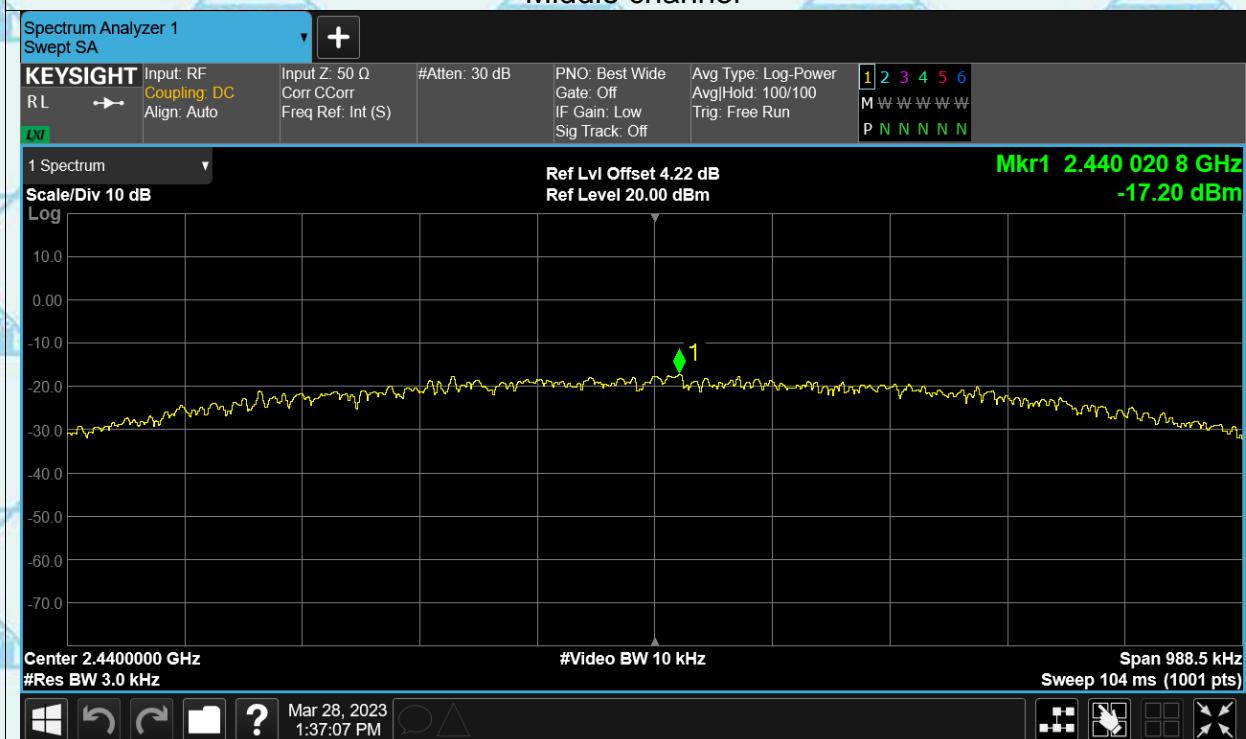
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BLE 1M

Lowest channel



Middle channel



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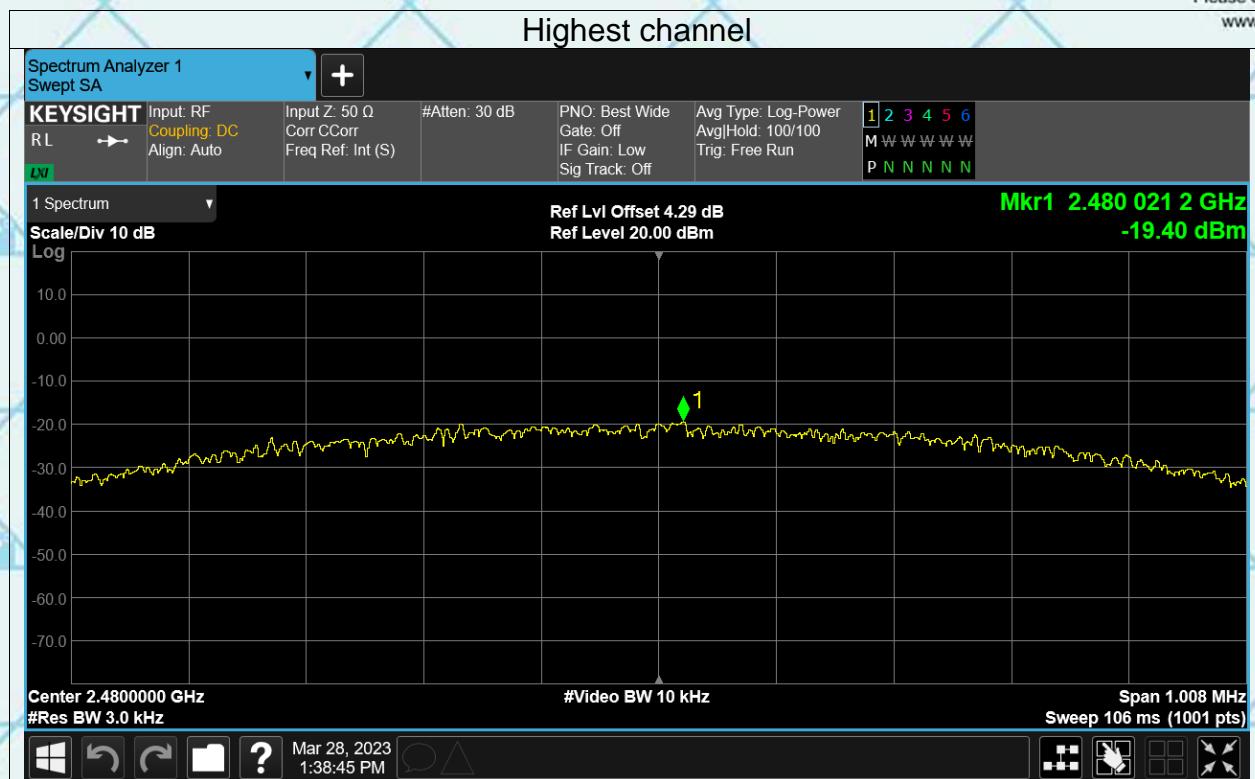
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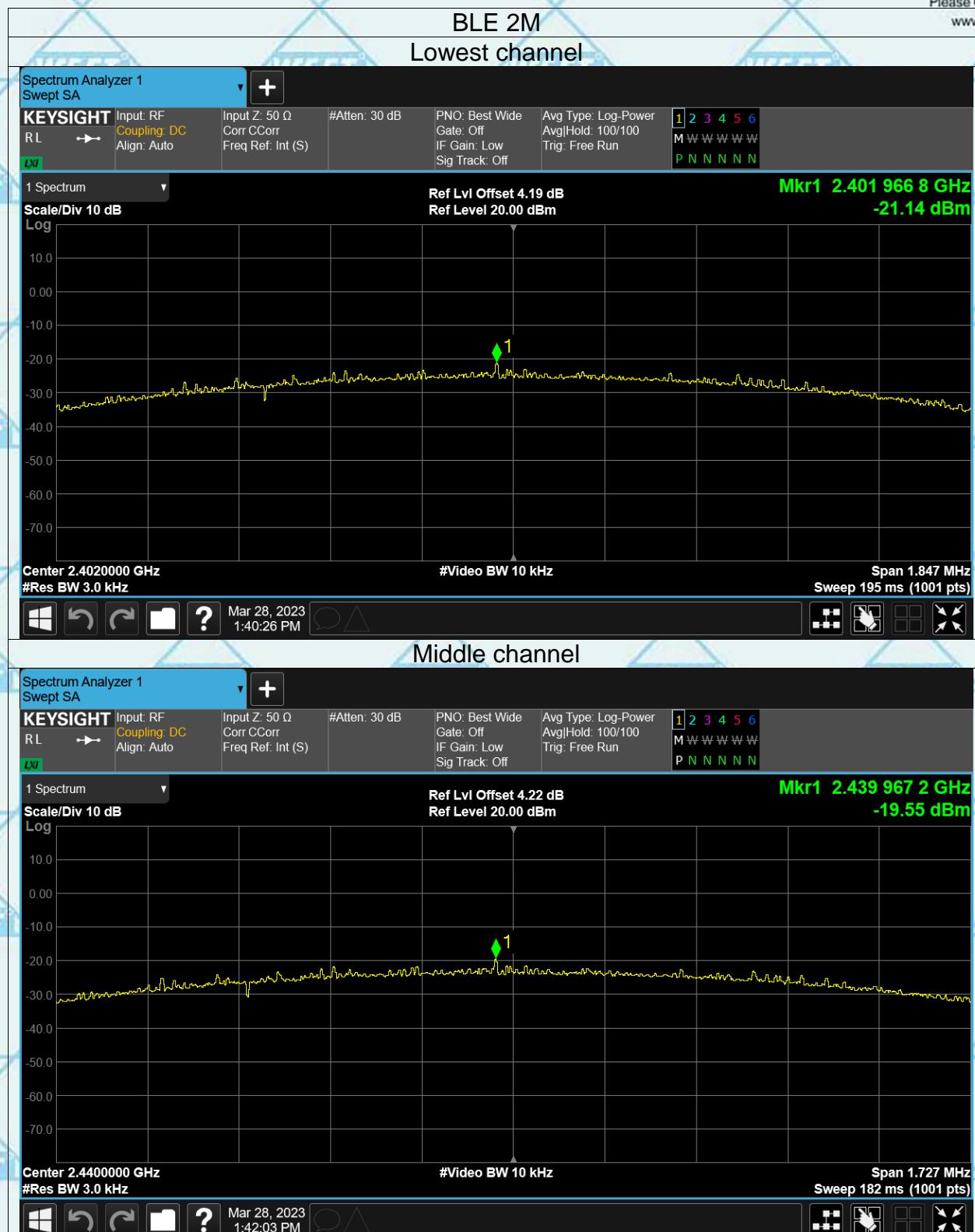
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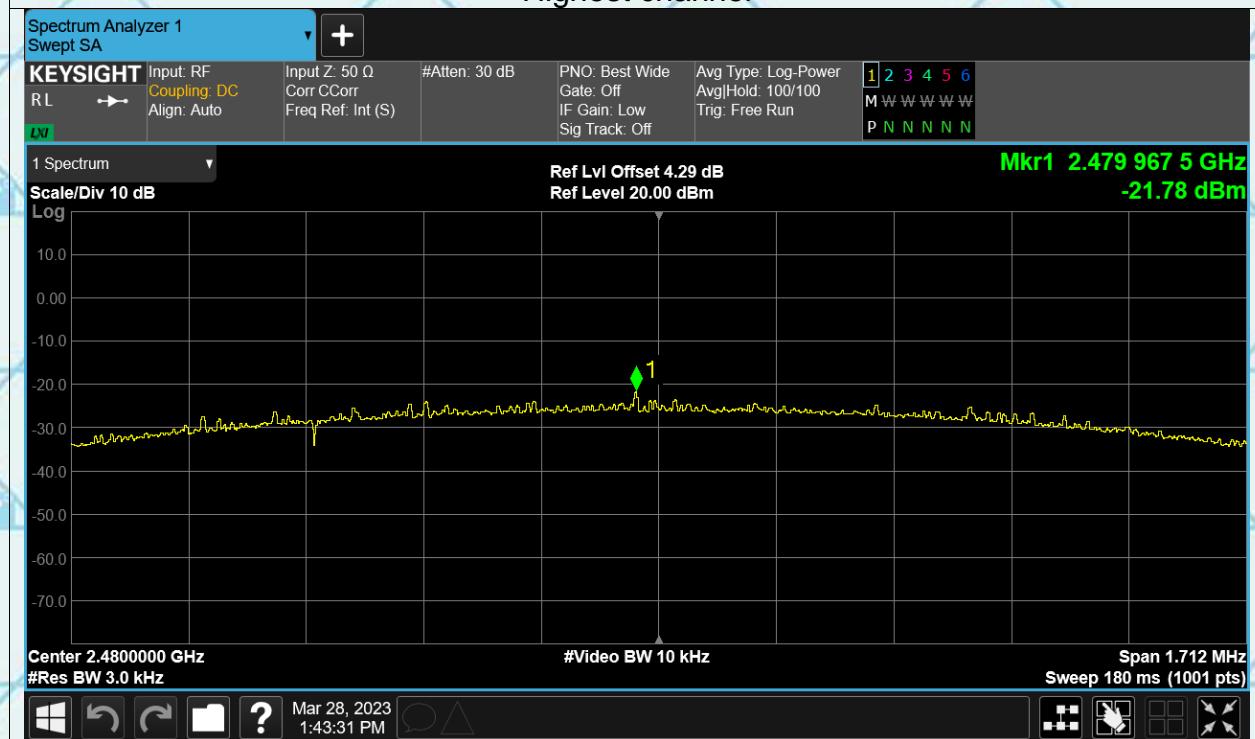


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Highest channel



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6.6. Conducted Band Edge and Spurious Emission Measurement

6.6.1. Test Specification



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www.wsct-cert.com**Test Data****Band Edge**

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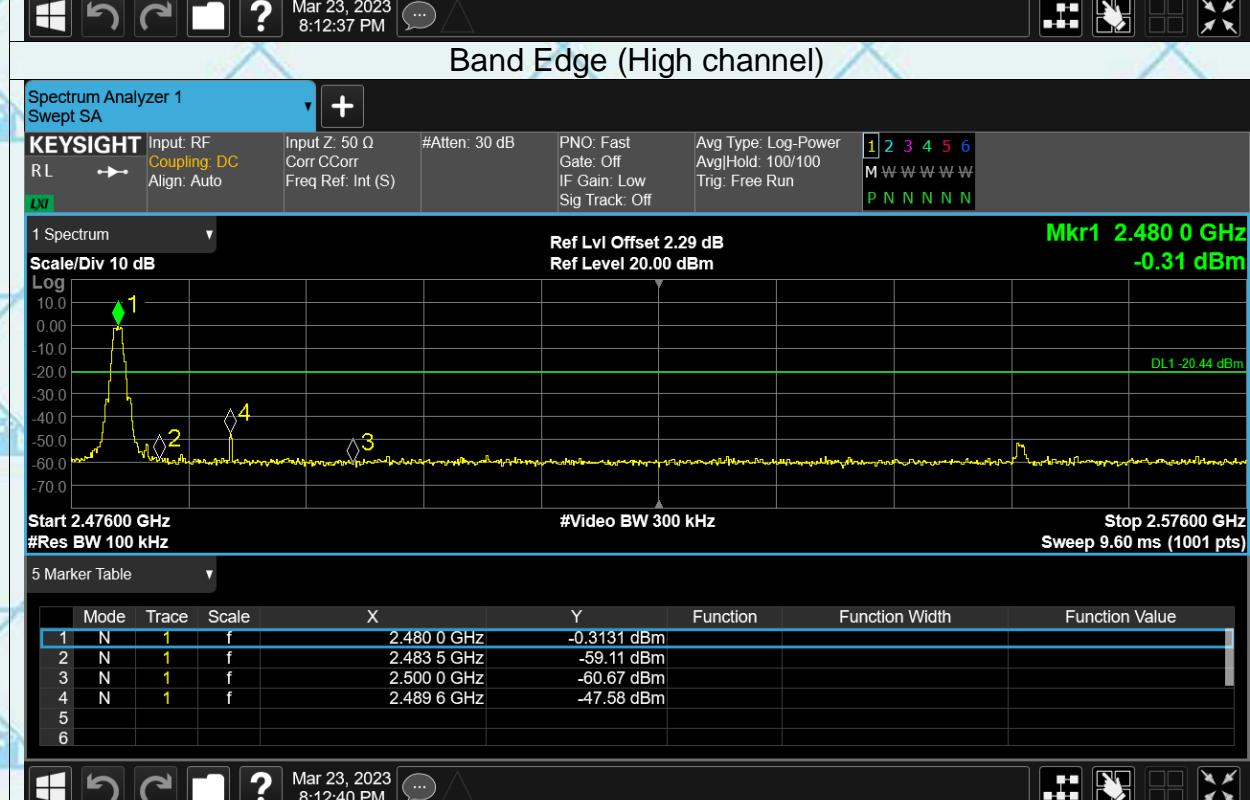
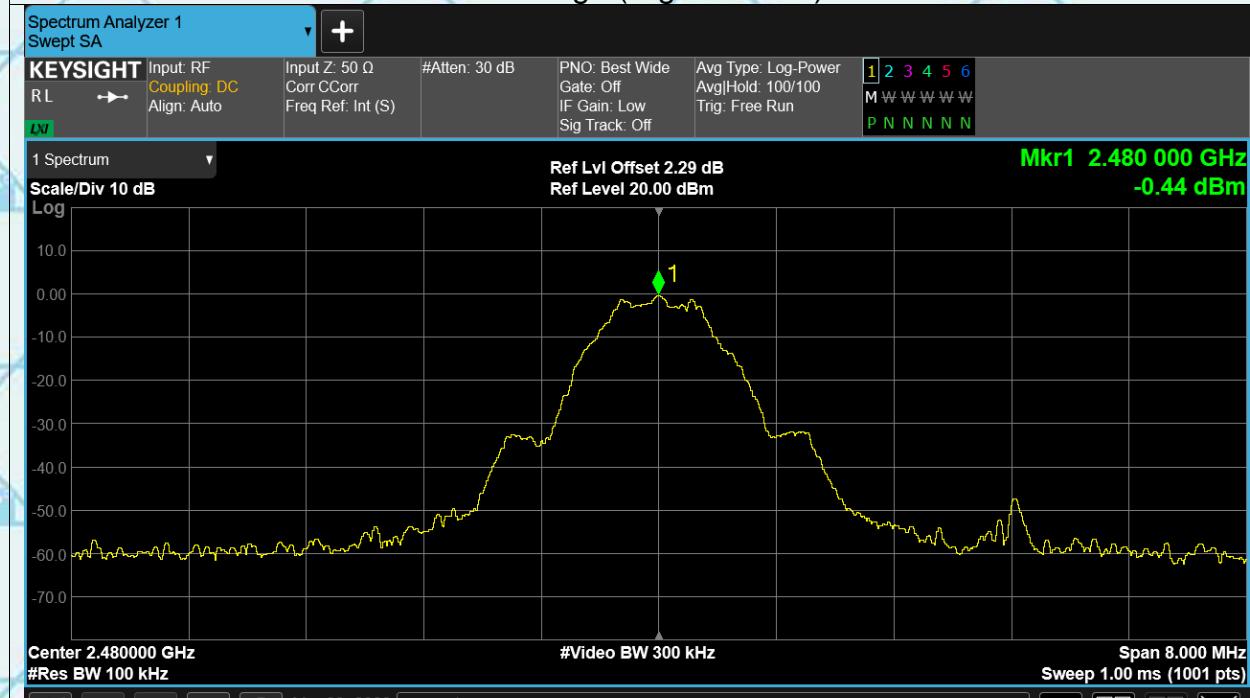


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Band Edge (High channel)



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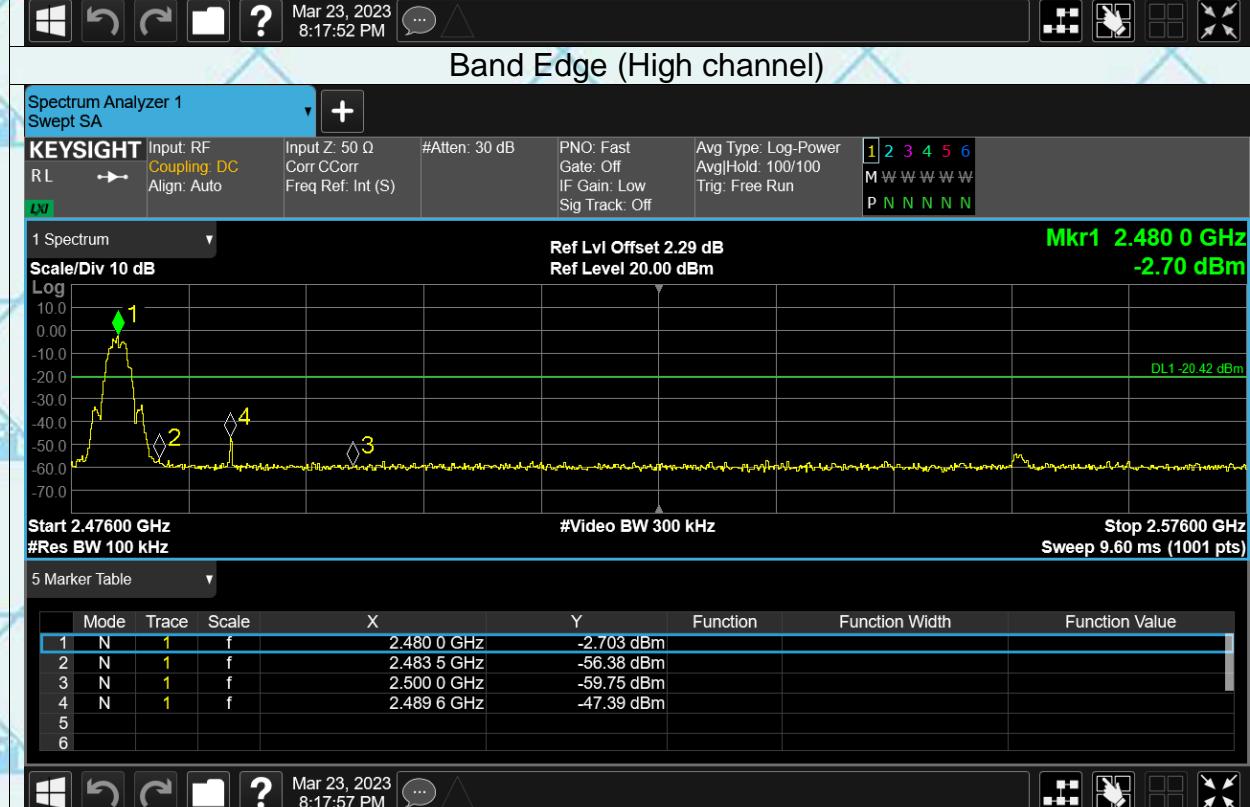
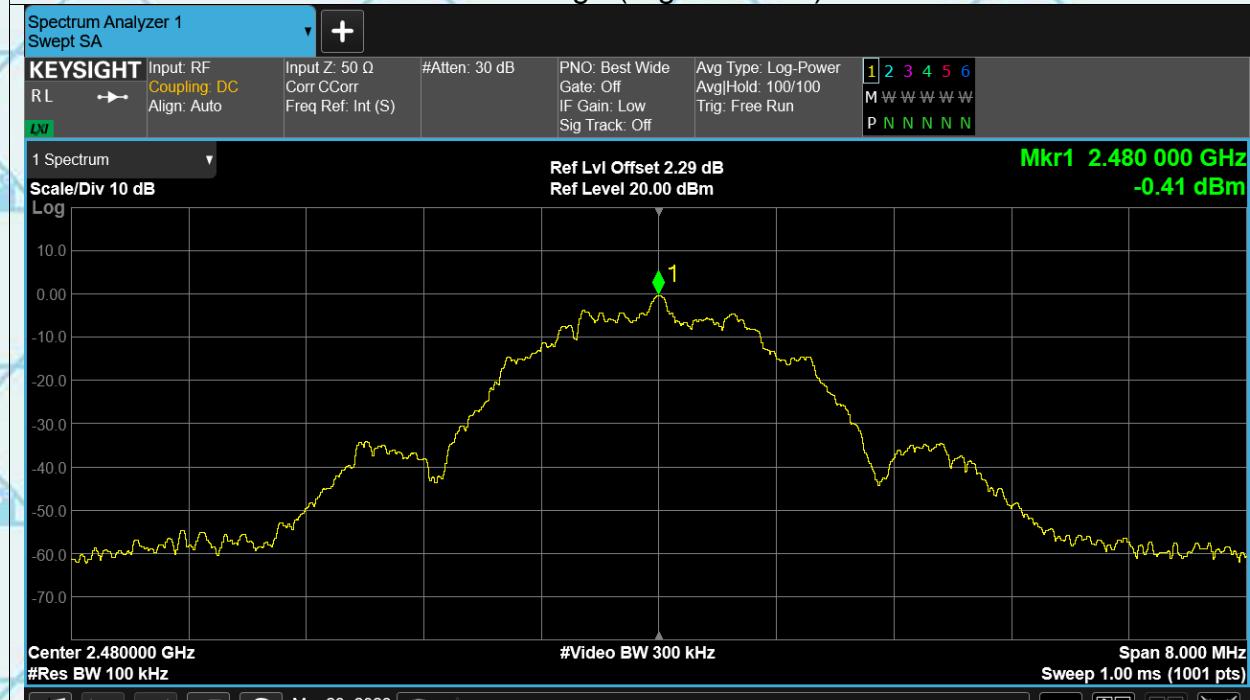


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Band Edge (High channel)



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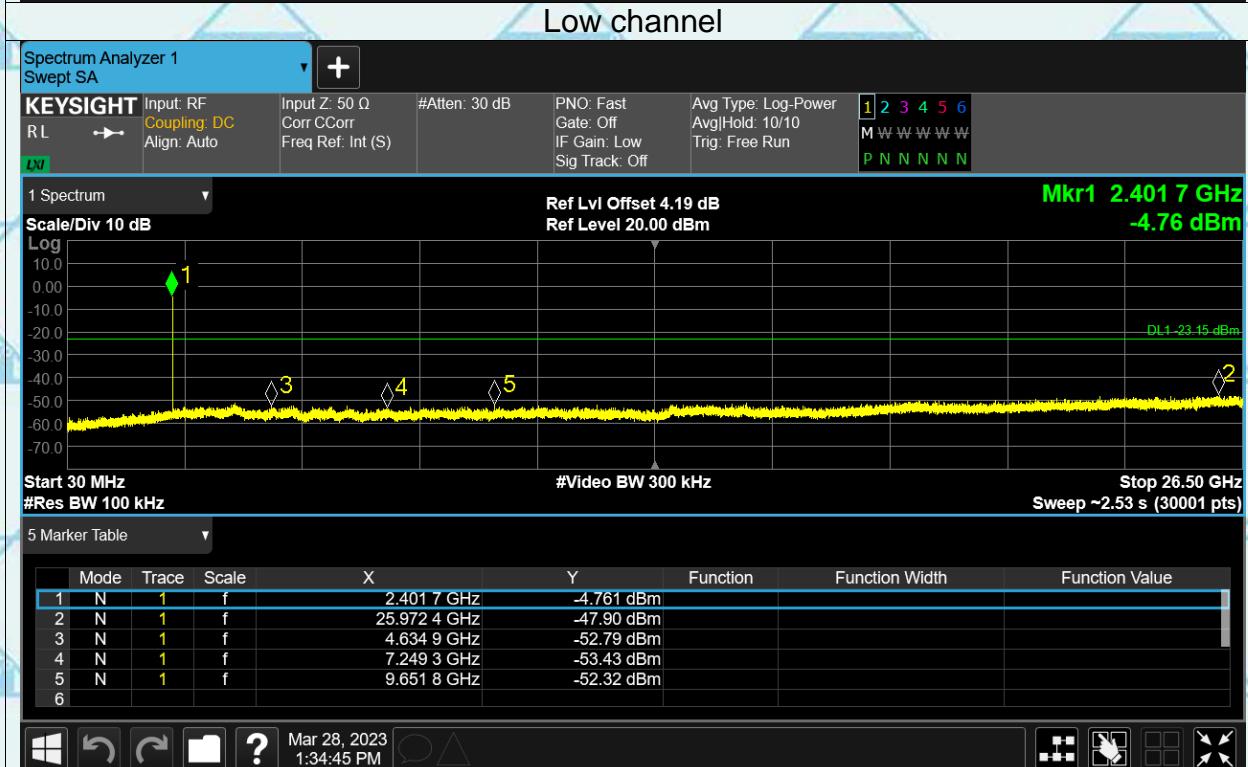
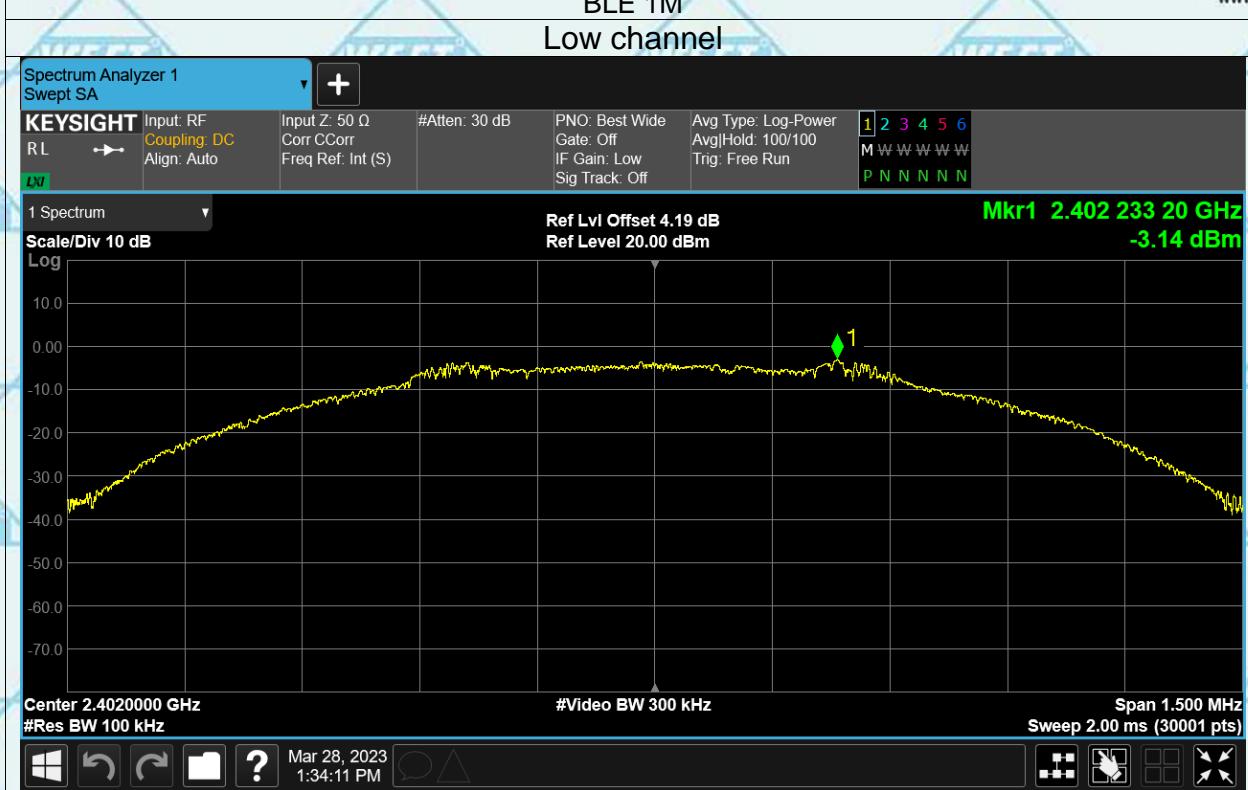
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Conducted RF Spurious Emission

BLE 1M

Low channel



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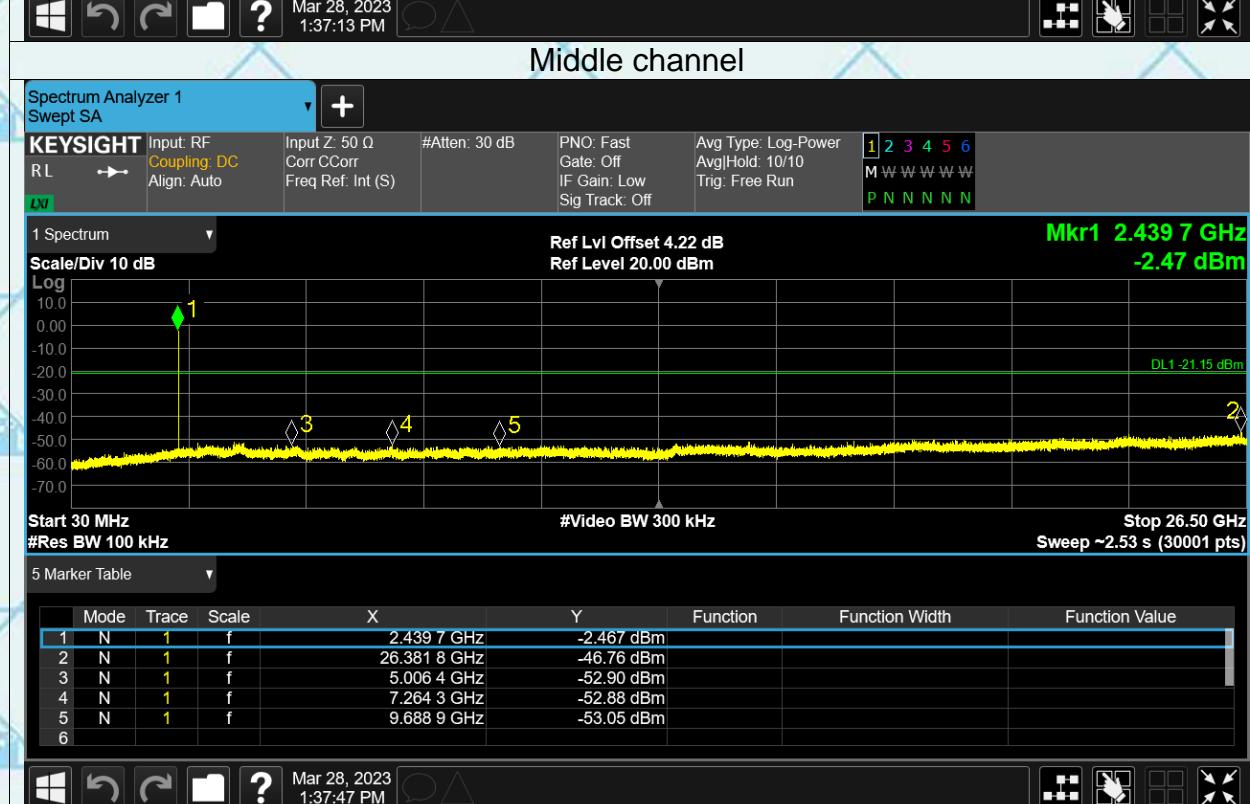
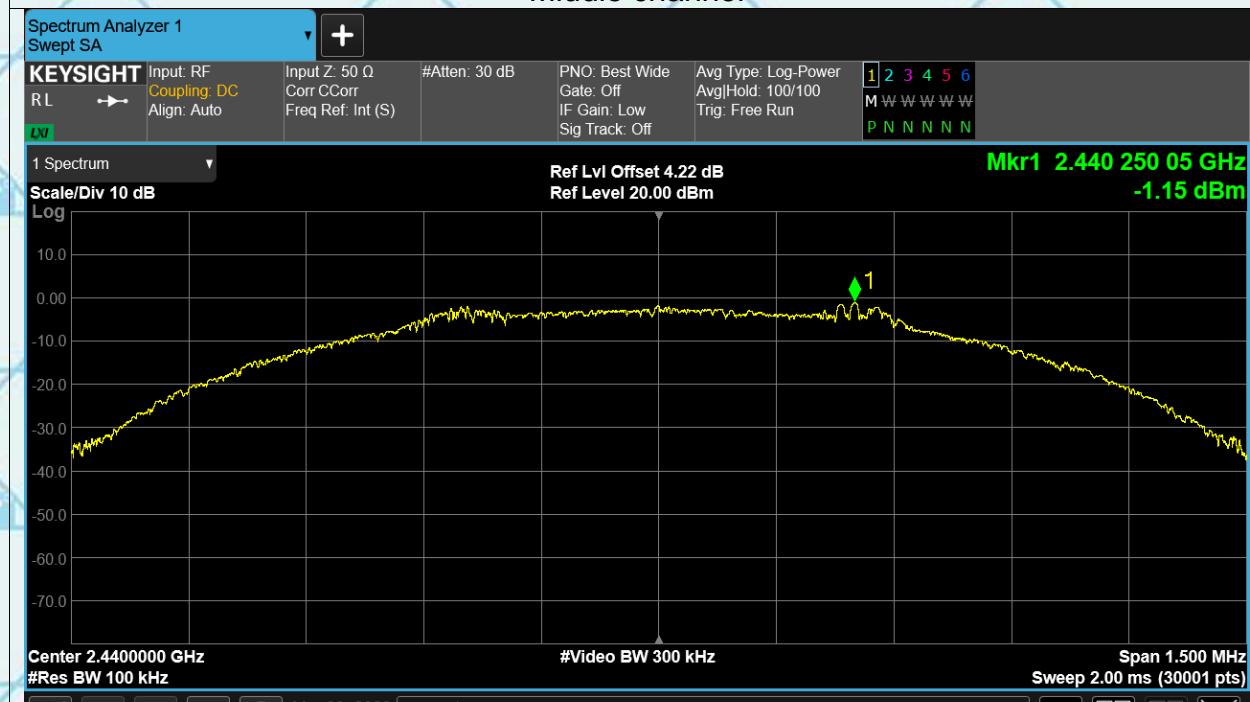


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Middle channel



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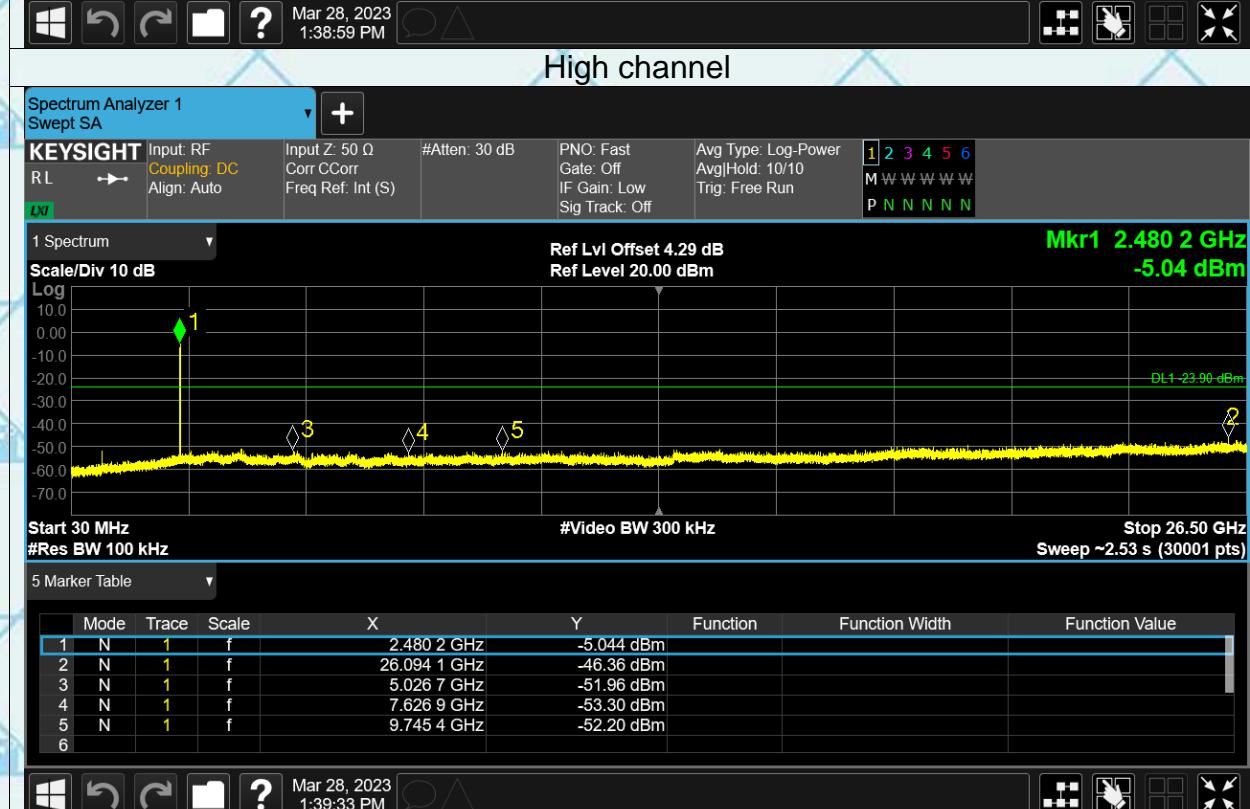
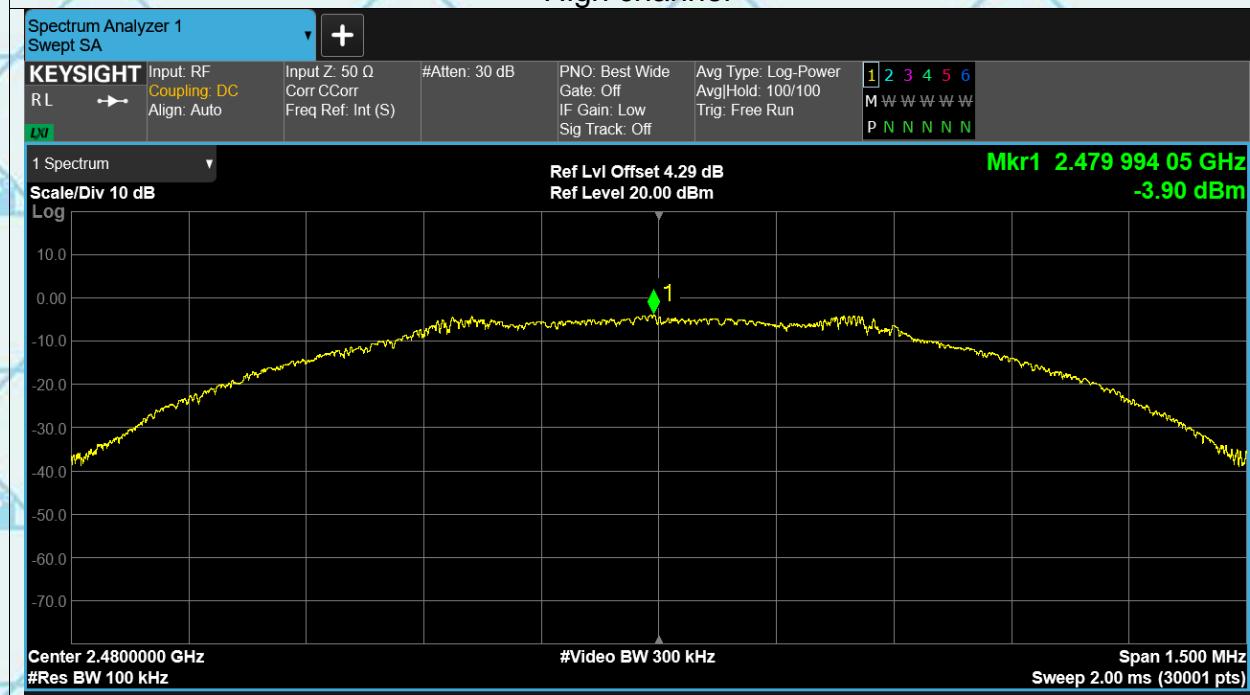


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High channel



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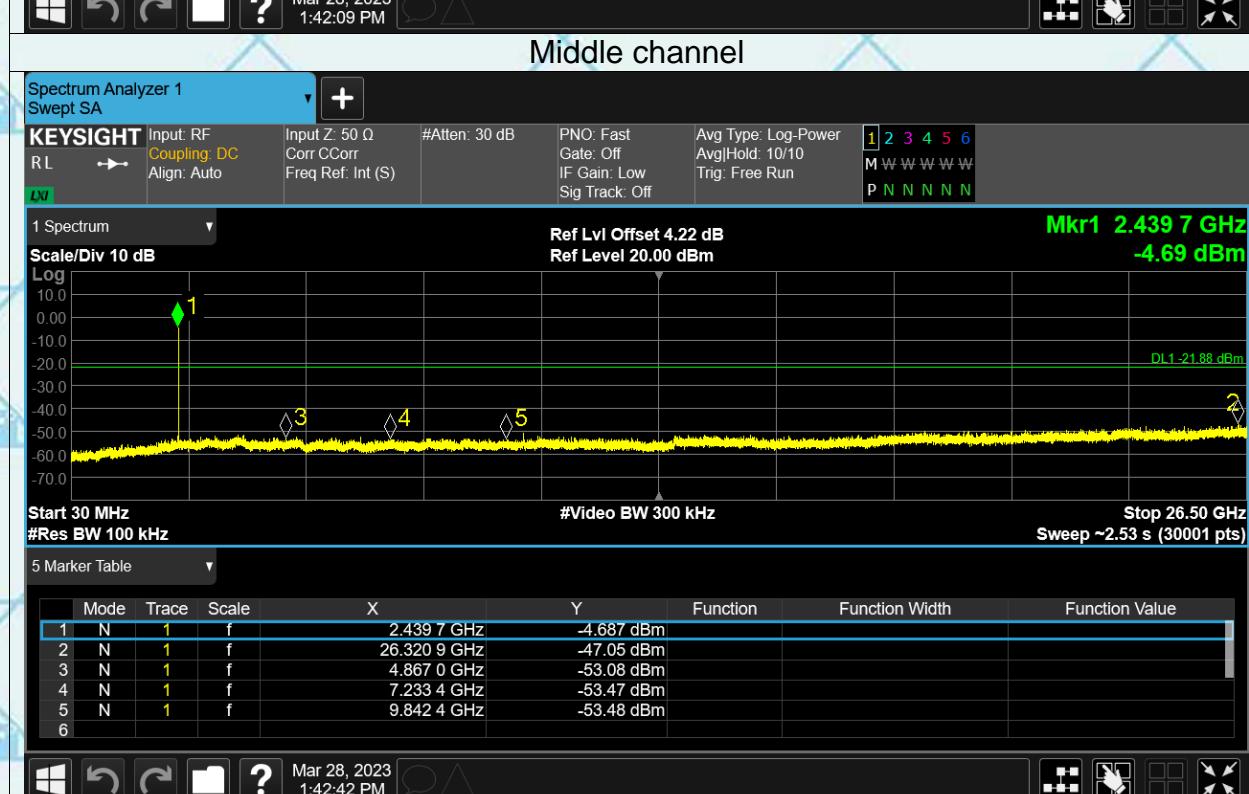
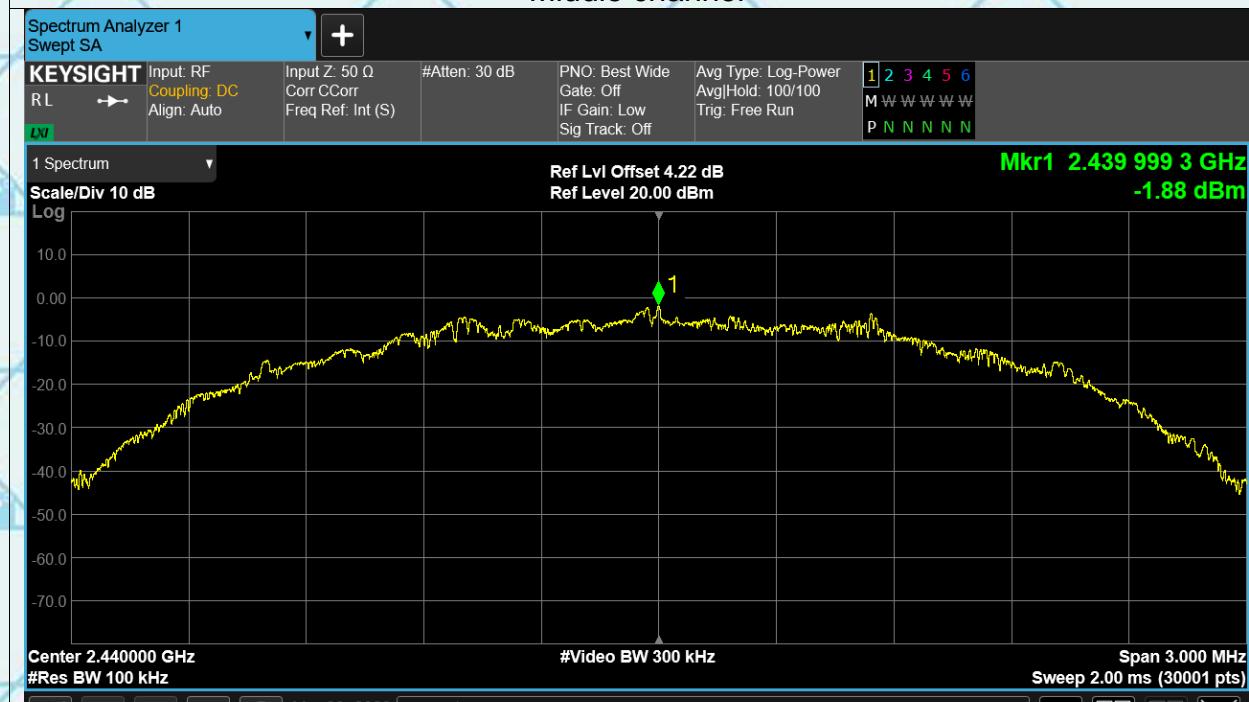


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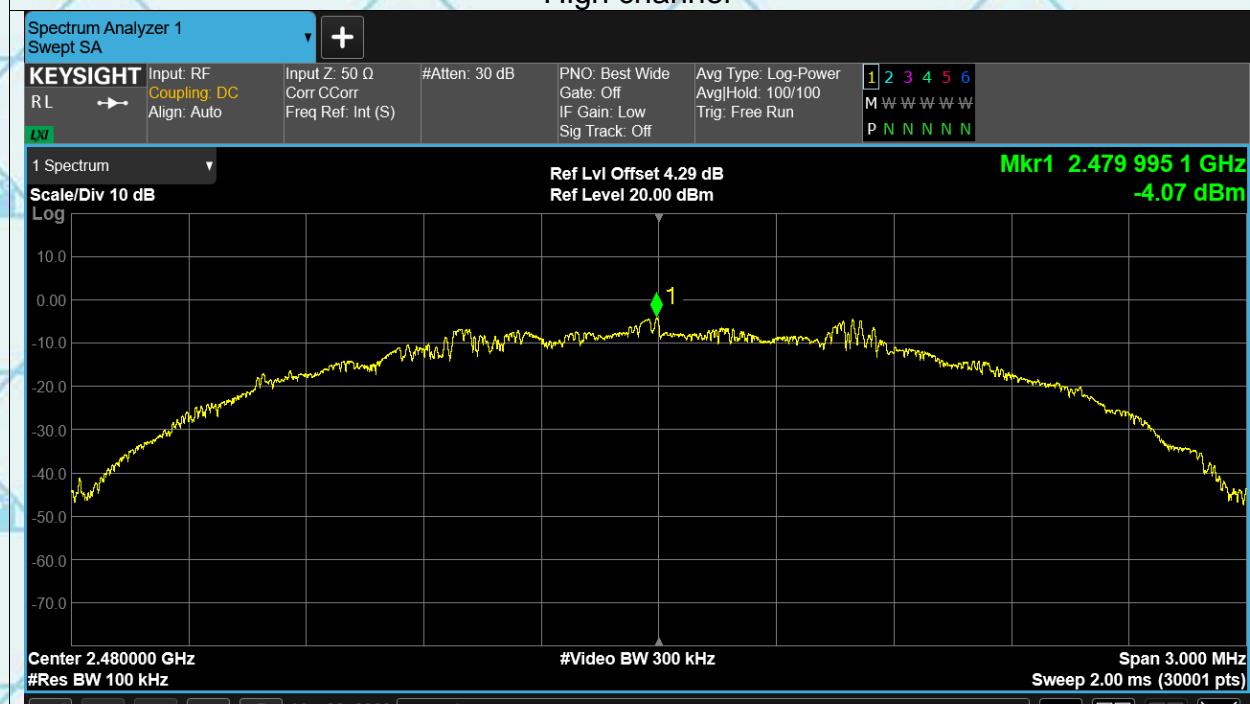


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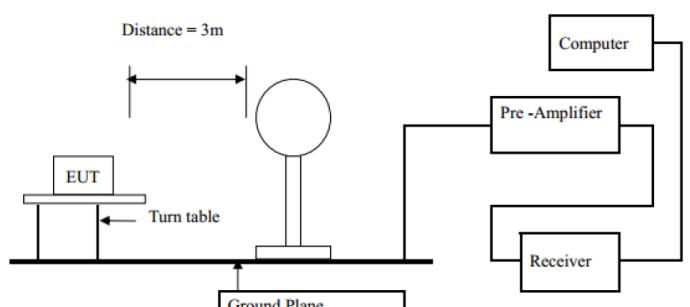
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6.7. Radiated Spurious Emission Measurements

6.7.1. Test Specification

Test Requirement:	FCC Part15 C Section 15.209																																	
Test Method:	ANSI C63.10:2014																																	
Frequency Range:	9 kHz to 25 GHz																																	
Measurement Distance:	3 m																																	
Antenna Polarization:	Horizontal & Vertical																																	
Operation mode:	Refer to item 4.1																																	
Receiver Setup:	<table border="1"> <thead> <tr> <th>Frequency</th> <th>Detector</th> <th>RBW</th> <th>VBW</th> <th>Remark</th> </tr> </thead> <tbody> <tr> <td>9kHz- 150kHz</td> <td>Quasi-peak</td> <td>200Hz</td> <td>1kHz</td> <td>Quasi-peak Value</td> </tr> <tr> <td>150kHz- 30MHz</td> <td>Quasi-peak</td> <td>9kHz</td> <td>30kHz</td> <td>Quasi-peak Value</td> </tr> <tr> <td>30MHz-1GHz</td> <td>Quasi-peak</td> <td>100KHz</td> <td>300KHz</td> <td>Quasi-peak Value</td> </tr> <tr> <td rowspan="2">Above 1GHz</td><td>Peak</td> <td>1MHz</td> <td>3MHz</td> <td>Peak Value</td> </tr> <tr> <td>Peak</td> <td>1MHz</td> <td>10Hz</td> <td>Average Value</td> </tr> </tbody> </table>					Frequency	Detector	RBW	VBW	Remark	9kHz- 150kHz	Quasi-peak	200Hz	1kHz	Quasi-peak Value	150kHz- 30MHz	Quasi-peak	9kHz	30kHz	Quasi-peak Value	30MHz-1GHz	Quasi-peak	100KHz	300KHz	Quasi-peak Value	Above 1GHz	Peak	1MHz	3MHz	Peak Value	Peak	1MHz	10Hz	Average Value
Frequency	Detector	RBW	VBW	Remark																														
9kHz- 150kHz	Quasi-peak	200Hz	1kHz	Quasi-peak Value																														
150kHz- 30MHz	Quasi-peak	9kHz	30kHz	Quasi-peak Value																														
30MHz-1GHz	Quasi-peak	100KHz	300KHz	Quasi-peak Value																														
Above 1GHz	Peak	1MHz	3MHz	Peak Value																														
	Peak	1MHz	10Hz	Average Value																														
Limit:	<table border="1"> <thead> <tr> <th>Frequency</th> <th>Field Strength (microvolts/meter)</th> <th>Measurement Distance (meters)</th> </tr> </thead> <tbody> <tr> <td>0.009-0.490</td> <td>2400/F(KHz)</td> <td>300</td> </tr> <tr> <td>0.490-1.705</td> <td>24000/F(KHz)</td> <td>30</td> </tr> <tr> <td>1.705-30</td> <td>30</td> <td>30</td> </tr> <tr> <td>30-88</td> <td>100</td> <td>3</td> </tr> <tr> <td>88-216</td> <td>150</td> <td>3</td> </tr> <tr> <td>216-960</td> <td>200</td> <td>3</td> </tr> <tr> <td>Above 960</td> <td>500</td> <td>3</td> </tr> </tbody> </table>					Frequency	Field Strength (microvolts/meter)	Measurement Distance (meters)	0.009-0.490	2400/F(KHz)	300	0.490-1.705	24000/F(KHz)	30	1.705-30	30	30	30-88	100	3	88-216	150	3	216-960	200	3	Above 960	500	3					
Frequency	Field Strength (microvolts/meter)	Measurement Distance (meters)																																
0.009-0.490	2400/F(KHz)	300																																
0.490-1.705	24000/F(KHz)	30																																
1.705-30	30	30																																
30-88	100	3																																
88-216	150	3																																
216-960	200	3																																
Above 960	500	3																																
	<table border="1"> <thead> <tr> <th>Frequency</th> <th>Field Strength (microvolts/meter)</th> <th>Measurement Distance (meters)</th> <th>Detector</th> </tr> </thead> <tbody> <tr> <td rowspan="2">Above 1GHz</td><td>500</td> <td>3</td> <td>Average</td> </tr> <tr> <td>5000</td> <td>3</td> <td>Peak</td> </tr> </tbody> </table>					Frequency	Field Strength (microvolts/meter)	Measurement Distance (meters)	Detector	Above 1GHz	500	3	Average	5000	3	Peak																		
Frequency	Field Strength (microvolts/meter)	Measurement Distance (meters)	Detector																															
Above 1GHz	500	3	Average																															
	5000	3	Peak																															
Test setup:	For radiated emissions below 30MHz																																	
	<p>Distance = 3m</p> <p>EUT</p> <p>Turn table</p> <p>Ground Plane</p> <p>Computer</p> <p>Pre -Amplifier</p> <p>Receiver</p>																																	
	30MHz to 1GHz																																	



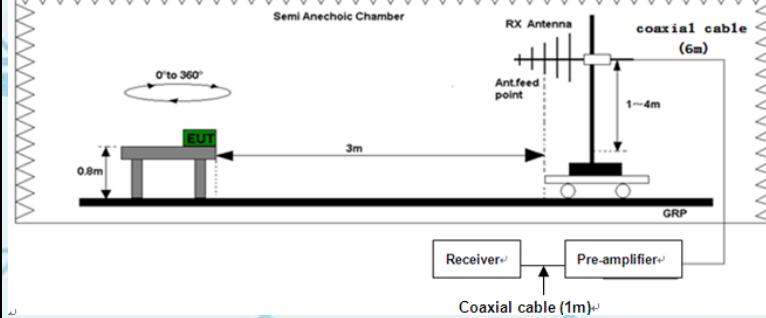
30MHz to 1GHz



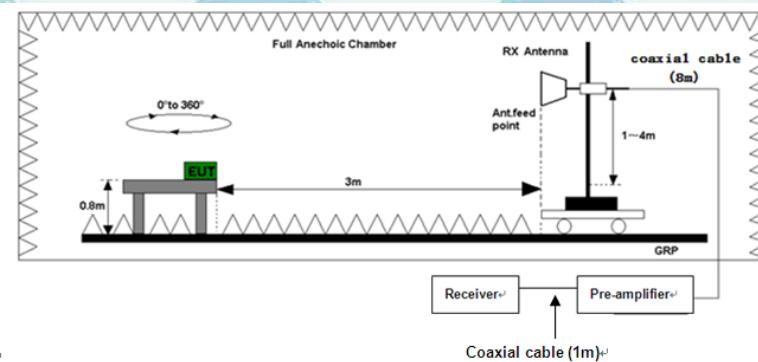


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Above 1GHz



1. For the radiated emission test below 1GHz:

The EUT was placed on a turntable with 0.1 meter above ground. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower. The EUT was arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high PASS filter are used for the test in order to get better signal level.

For the radiated emission test above 1GHz:

Place the measurement antenna on a turntable with 1.5 meter above ground, which is away from each area of the EUT determined to be a source of emissions at the specified measurement distance, while keeping the measurement antenna aimed at the source of emissions at each frequency of significant emissions, with polarization oriented for maximum response. The measurement antenna may have to be higher or lower than the EUT, depending on the radiation pattern of the emission and staying aimed at the emission source for receiving the maximum signal. The final measurement antenna elevation shall be that which maximizes the emissions. The measurement antenna elevation for maximum emissions shall be restricted to a range of heights of from 1 m to 4 m above the ground or reference ground plane.

Test Procedure:



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	<p>2. Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level</p> <p>3. For measurement below 1GHz, If the emission level of the EUT measured by the peak detector is 3 dB lower than the applicable limit, the peak emission level will be reported. Otherwise, the emission measurement will be repeated using the quasi-peak detector and reported.</p> <p>4. Use the following spectrum analyzer settings:</p> <ol style="list-style-type: none"> (1) Span shall wide enough to fully capture the emission being measured; (2) Set RBW=100 kHz for $f < 1$ GHz; VBW \geq RBW; Sweep = auto; Detector function = peak; Trace = max hold; (3) Set RBW = 1 MHz, VBW= 3MHz for $f \geq 1$ GHz for peak measurement. <p>For average measurement: VBW = 10 Hz, when duty cycle is no less than 98 percent. VBW $\geq 1/T$, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.</p>
Test mode:	Refer to section 4.1 for details
Test results:	PASS



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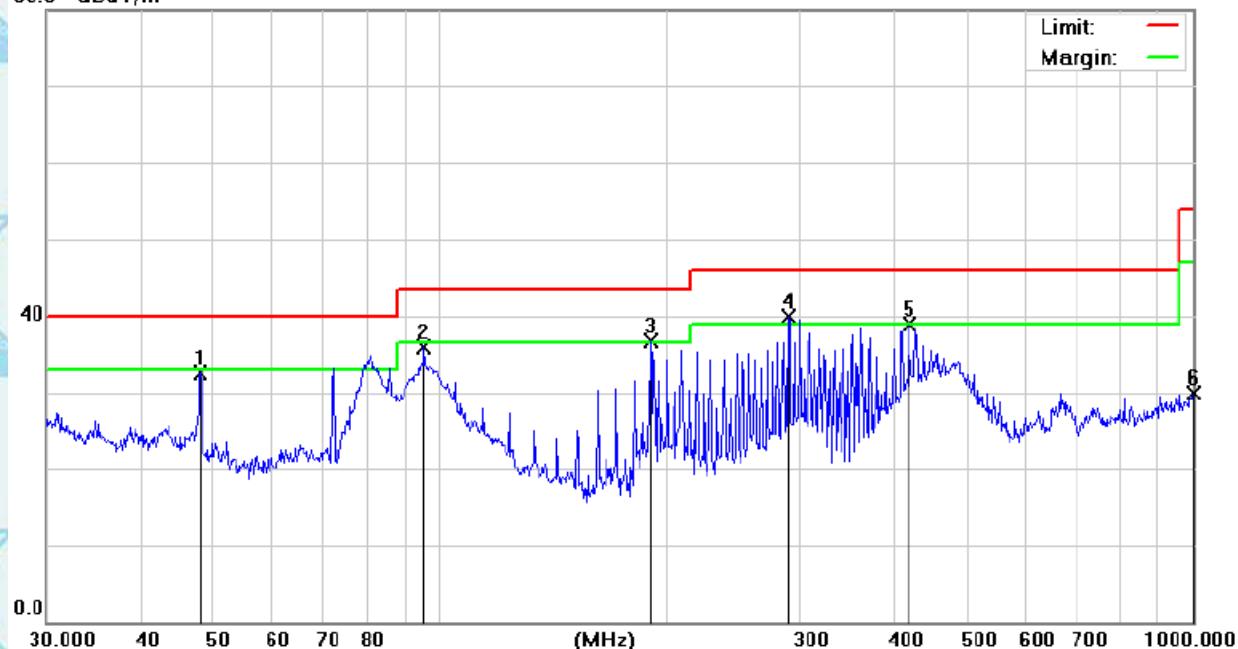
6.7.2. Test Data

Please refer to following diagram for individual

Below 1GHz

Horizontal:

80.0 dBuV/m



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over Limit	Detector
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	
1		47.9940	36.42	-3.82	32.60	40.00	-7.40	QP
2		95.0930	40.69	-4.84	35.85	43.50	-7.65	QP
3	!	190.4050	43.88	-7.18	36.70	43.50	-6.80	QP
4	*	290.0172	42.58	-2.72	39.86	46.00	-6.14	QP
5		419.1081	39.64	-0.78	38.86	46.00	-7.14	QP
6		1000.000	22.65	7.32	29.97	54.00	-24.03	QP



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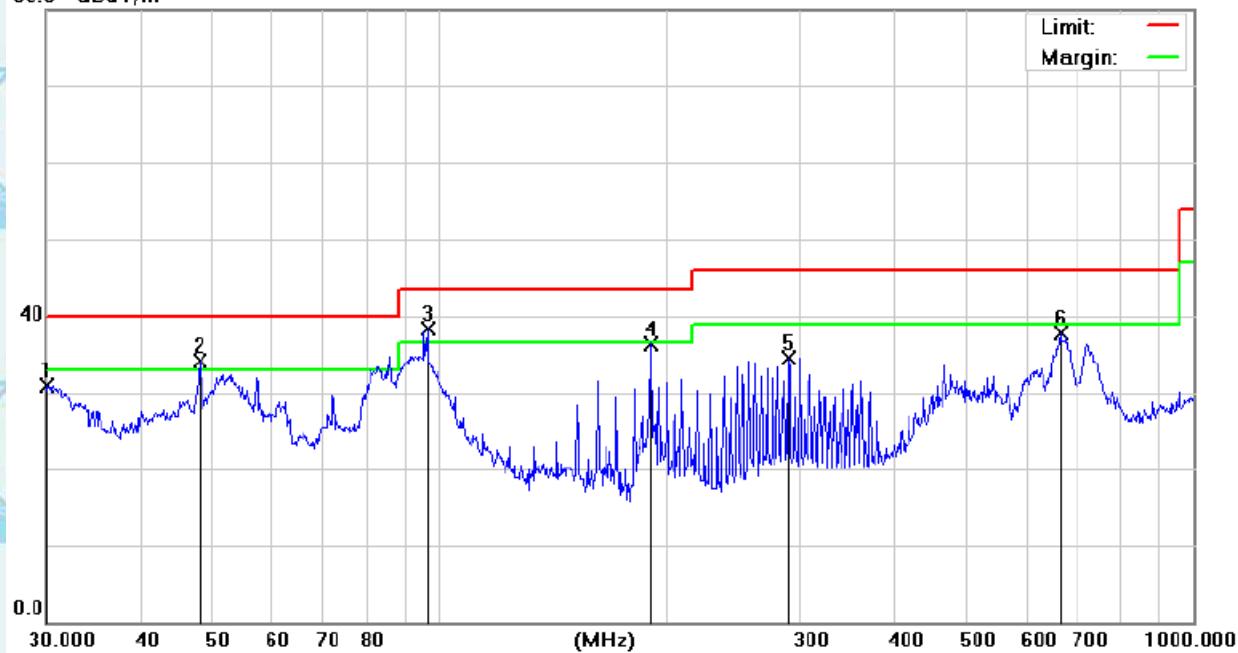


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Vertical:

80.0 dB μ V/m

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dB μ V	dB	dB μ V/m	dB μ V/m	dB	Detector
1		30.1054	26.21	4.75	30.96	40.00	-9.04	QP
2	!	47.9940	37.92	-3.82	34.10	40.00	-5.90	QP
3	*	96.0986	42.91	-4.64	38.27	43.50	-5.23	QP
4		190.4050	43.58	-7.18	36.40	43.50	-7.10	QP
5		290.0172	37.28	-2.72	34.56	46.00	-11.44	QP
6		665.8035	35.83	1.90	37.73	46.00	-8.27	QP

Note: 1. The low frequency, which started from 9KHz~30MHz, was pre-scanned and the result which was 20dB lower than the limit line per 15.31(o) was not reported

- Measurements were conducted in all three channels (high, middle, low), and the worst case Mode (Middle channel) was submitted only.
- Reading level (dB μ V) = Receiver reading
Corr. Factor (dB) = Attenuation factor + Cable loss
Level (dB μ V) = Reading level (dB μ V) + Corr. Factor (dB)
Limit (dB μ V) = Limit stated in standard
Margin (dB) = Level (dB μ V) – Limits (dB μ V)



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Above 1GHz

Freq. (MHz)	Low channel: 2402MHz						
	Ant.Pol	Emission Level(dBuV)		Limit 3m(dBuV/m)		Over(dB)	
		H/V	PK	AV	PK	AV	PK
4804	V	59.48	39.19	74	54	-14.52	-14.81
7206	V	59.63	40.87	74	54	-14.37	-13.13
4804	H	58.59	40.23	74	54	-15.41	-13.77
7206	H	58.09	39.09	74	54	-15.91	-14.91

Freq. (MHz)	Middle channel: 2440MHz						
	Ant.Pol	Emission Level(dBuV)		Limit 3m(dBuV/m)		Over(dB)	
		H/V	PK	AV	PK	AV	PK
4880	V	58.95	40.86	74	54	-15.05	-13.14
7320	V	58.94	39.66	74	54	-15.06	-14.34
4880	H	59.33	39.60	74	54	-14.67	-14.40
7320	H	59.88	40.88	74	54	-14.12	-13.12

Freq. (MHz)	High channel: 2480 MHz						
	Ant.Pol	Emission Level(dBuV)		Limit 3m(dBuV/m)		Over(dB)	
		H/V	PK	AV	PK	AV	PK
4960	V	58.92	41.74	74	54	-15.08	-12.26
7440	V	59.92	39.34	74	54	-14.08	-14.66
4960	H	59.57	39.01	74	54	-14.43	-14.99
7440	H	59.12	40.12	74	54	-14.88	-13.88

Note:

1. All emissions not reported were more than 20dB below the specified limit or in the noise floor.
2. Emission Level= Reading Level+Probe Factor +Cable Loss.
3. Data of measurement within this frequency range shown “--” in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.



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Test result for GFSK Mode (the worst case)

Frequency (MHz)	Reading (dBuV/m)	Correct Factor	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Polar	Detector
Low Channel							
2390	60.70	-8.76	51.94	74	22.06	H	PK
2390	56.15	-8.76	47.39	54	6.61	H	AV
2390	60.06	-8.73	51.33	74	22.67	V	PK
2390	55.88	-8.73	47.15	54	6.85	V	AV
High Channel							
2483.5	63.92	-8.76	55.16	74	18.84	H	PK
2483.5	53.61	-8.76	44.85	54	9.15	H	AV
2483.5	60.44	-8.73	51.71	74	22.29	V	PK
2483.5	56.26	-8.73	47.53	54	6.47	V	AV

*****END OF REPORT*****



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