

CFR 47 FCC PART 15 SUBPART F

TEST REPORT

For

Anchor

MODEL NUMBER: A02

FCC ID: 2BQV8-A02

REPORT NUMBER: E04A25061367F00101

ISSUE DATE: November 6, 2025

Prepared for

**SZ Nooploop Technology Co.,Ltd.
Room113, 1F, B5, Qianhai Shenzhen Hong Kong Youth Dream Factory, No. 35
Qianwan 1st Road, Shenzhen, China**

Prepared by

Guangdong Global Testing Technology Co., Ltd.

**Room 101-105, 203-210, Building 1, No.2, Keji 8 Road, Songshan Lake Park,
Dongguan city, Guangdong, People's Republic of China, 523808**

**This report is based on a single evaluation of the submitted sample(s) of the above mentioned
Product, it does not imply an assessment of the production of the products.
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Testing Technology Co., Ltd.**

Revision History

Rev.	Issue Date	Revisions	Revised By
V0	November 6, 2025	Initial Issue	

Summary of Test Results			
Clause	Test Items	FCC Rules	Test Results
1	Radiated Spurious Emission	CFR 47 FCC §15.209 CFR 47 FCC §15.517(c) CFR 47 FCC §15.517 (d)	Pass
2	Peak Emissions within a 50MHz Bandwidth	CFR 47 FCC §15.517(e)	Pass
3	10dBc UWB Bandwidth	CFR 47 FCC §15.517(b)	Pass
4	Conducted Emission Test For AC Power Port	CFR 47 FCC §15.207	Pass
5	Antenna Requirement	CFR 47 FCC §15.203	Pass
Note 1: N/A: In this whole report not applicable. Note 2: This test report is only published to and used by the applicant, and it is not for evidence purpose in China. Note 3: The measurement result for the sample received is <Pass> according to < CFR 47 FCC PART 15 SUBPART F> when <Accuracy Method> decision rule is applied.			

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1. ATTESTATION OF TEST RESULTS

Applicant Information

Company Name: SZ Nooploop Technology Co.,Ltd.
Address: Room113, 1F, B5, Qianhai Shenzhen Hong Kong Youth Dream
Factory, No. 35 Qianwan 1st Road, Shenzhen, China

Manufacturer Information

Company Name: SZ Nooploop Technology Co.,Ltd.
Address: Room113, 1F, B5, Qianhai Shenzhen Hong Kong Youth Dream
Factory, No. 35 Qianwan 1st Road, Shenzhen, China

EUT Information

EUT Name: Anchor
Model: A02
Brand: Nooploop
Sample Received Date: July 9, 2025
Sample Status: Normal
Sample ID: A25061367 020
Date of Tested: July 9, 2025 to August 16, 2025

APPLICABLE STANDARDS	
STANDARD	TEST RESULTS
CFR 47 FCC PART 15 SUBPART F	PASS

Prepared By:



Approved By:

Shawn Wen
Laboratory Manager

Checked By:

Alan He
Laboratory Leader

2. TEST METHODOLOGY

All tests were performed in accordance with the standard CFR 47 FCC Part 2, CFR 47 FCC Part 15, KDB414788 D01 Radiated Test Site v01r01, ANSI C63.10-2020

3. FACILITIES AND ACCREDITATION

Accreditation Certificate	A2LA (Certificate No.: 6947.01) Guangdong Global Testing Technology Co., Ltd. has been assessed and proved to be in compliance with A2LA. FCC (FCC Designation No.: CN1343) Guangdong Global Testing Technology Co., Ltd. has been recognized to perform compliance testing on equipment subject to Supplier's Declaration of Conformity (SDoC) and Certification rules ISED (Company No.: 30714) Guangdong Global Testing Technology Co., Ltd. has been registered and fully described in a report filed with ISED. The Company Number is 30714 and the test lab Conformity Assessment Body Identifier (CABID) is CN0148.
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Note: All tests measurement facilities use to collect the measurement data are located at Room 101-105, 203-210, Building 1, No.2, Keji 8 Road, Songshan Lake Park, Dongguan city, Guangdong, People's Republic of China, 523808

4. CALIBRATION AND UNCERTAINTY

4.1. MEASURING INSTRUMENT CALIBRATION

The measuring equipment utilized to perform the tests documented in this report has been calibrated in accordance with the manufacturer's recommendations, and is traceable to recognized national standards.

4.2. MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the apparatus:

Test Item	Frequency Range	k	U(dB)
Radiated emissions	9 kHz ~ 30 MHz	2	4.16
Radiated emissions	30 MHz ~ 1 GHz	2	3.79
Radiated emissions	1 GHz ~ 18 GHz	2	5.62
Radiated emissions	18 GHz ~ 40 GHz	2	5.54
Note: This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.			

5. EQUIPMENT UNDER TEST

5.1. DESCRIPTION OF EUT

EUT Name	Anchor		
Model	A02		
Product Description	Operation Frequency		6489.6 MHz to 7987.2MHz
	Modulation Type		BPM-BPSK
Ratings	POE 39-57V		
Power Supply	DC	57V	
Hardware Version	V3.2		
Software Version	V1.0		
Note	according to the manufacture declaration, base on the use case and product design, the product will be only operated indoors, compliance with § 15.517 (a).		

5.2. MAXIMUM PEAK POWER

Frequency (MHz)	Number of Transmit Chains (NTX)	Channel Number	Max Peak field strength (dBμV/m)
6489.6~7987.2	1	2	58.38

5.3. TEST CHANNEL CONFIGURATION

Channel	Frequency (MHz)	Channel	Frequency(MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
5	6489.6	9	7987.2	/	/	/	/

5.4. DESCRIPTION OF AVAILABLE ANTENNAS

Ant.	Frequency (MHz)	Antenna Type	Antenna Gain (dBi)
1	6489.6~7987.2	Internal Antenna	3.68

Test Mode	Transmit and Receive Mode	Description
UWB	☒ 1TX, 1RX	Antenna 1 can be used as transmitting/receiving antenna.

Note: The value of the antenna gain was declared by customer.

5.5. DESCRIPTION OF TEST SETUP

SUPPORT EQUIPMENT

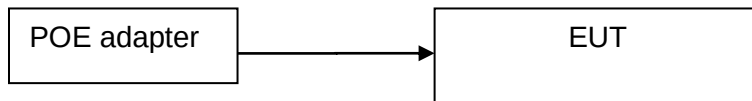
Equipment	Manufacturer	Model No.
POE adapter	Lenovo	/

TEST SETUP

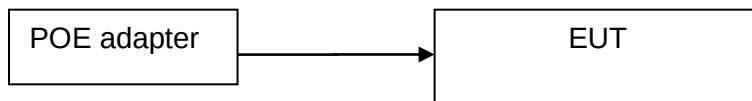
The EUT can work in engineering mode with the inside software.

SETUP DIAGRAM FOR TESTS

AC conducted emission :



Radiated Emission:



6. MEASURING INSTRUMENT AND SOFTWARE USED

Test Equipment of Radiated emissions below 1GHz					
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Due Date
3m Semi-anechoic Chamber	ETS	9m*6m*6m	Q2146	2022/08/30	2025/08/29
EMI Test Receiver	Rohde & Schwarz	ESC13	101409	2024/09/14	2025/09/13
Spectrum Analyzer	KEYSIGHT	N9020A	MY51283932	2024/09/14	2025/09/13
Pre-Amplifier	HzEMC	HPA-9K0130	HYP A21001	2024/09/14	2025/09/13
Biconilog Antenna	Schwarzbeck	VULB 9168	01315	2022/10/10	2025/10/09
Biconilog Antenna	ETS	3142E	00243651	2025/02/22	2028/02/21
Loop Antenna	ETS	6502	00243668	2025/02/22	2028/02/21
Test Software	Farad	EZ-EMC (Ver.FA-03A2 RE)	N/A	N/A	N/A

Test Equipment of Radiated emissions above 1GHz					
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Due Date
3m Semi-anechoic Chamber	ETS	9m*6m*6m	Q2149	2022/08/30	2025/08/29
Spectrum Analyzer	Rohde & Schwarz	FSV40	101413	2024/09/14	2025/09/13
Spectrum Analyzer	KEYSIGHT	N9020A	MY51283932	2024/09/14	2025/09/13
Pre-Amplifier	HzEMC	HPA-1G1850	HYP A21003	2024/09/14	2025/09/13
Horn antenna	ETS	3117	00246069	2025/02/22	2028/02/21
Pre-Amplifier	HzEMC	HPA-184057	HYP A21004	2024/09/14	2025/09/13
Horn antenna	ETS	3116C	00246265	2025/02/22	2028/02/21
RF Filter Bank	HzEMC	HSW-F18	HSWF2218E01	2024/09/14	2025/09/13
RF Filter Bank	HzEMC	HPF18	HPF2218E02	2024/09/14	2025/09/13
Test Software	Farad	EZ-EMC (Ver.FA-03A2 RE+)	N/A	N/A	N/A

Test Equipment of Conducted emissions					
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Due Date
Shielded Room	CHENG YU	8m*5m*4m	N/A	2022/10/29	2025/10/28
EMI Test Receiver	Rohde & Schwarz	ESR3	102647	2024/09/14	2025/09/13
LISN/AMN	Rohde & Schwarz	ENV216	102843	2024/09/14	2025/09/13
NNLK 8129 RC	Schwarzbeck	NNLK 8129 RC	5046	2024/09/14	2025/09/13
Test Software	Farad	EZ-EMC (Ver. EMC-con-3A1 1+)	N/A	N/A	N/A

7. RADIATED EMISSION TEST

LIMITS

For FCC, please refer to FCC §15.205, §15.209, §15.517

(a). Limits below 960MHz for FCC

Frequencies (MHz)	Field Strength (micorvolts/meter)	Measurement Distance (meters)
0.009~0.490	2400/F(KHz)	300
0.490~1.705	24000/F(KHz)	30
1.705~30.0	30	30
30~88	100	3
88~216	150	3
216~960	200	3

For FCC 15.517

Frequency in MHz	EIRP in dBm
960-1610	-75.3
1610-1990	-53.3
1990-3100	-51.3
3100-10600	-41.3
Above 10600	-51.3

Frequency (MHz)	E.i.r.p (dBm)	Field Strength (dBuV/m @ 3m)	Field Strength (dBuV/m @ 1m)
960 - 1610	-75.3	19.9	29.44
1610 - 1990	-53.3	41.9	51.44
1990 - 3100	-51.3	43.9	53.44
3100 -10600	-41.3	53.9	63.44
above 10600	-51.3	43.9	53.44

$E(\text{dBuV/m})@3\text{m}=P(\text{dBm EIRP})+ 95.2$

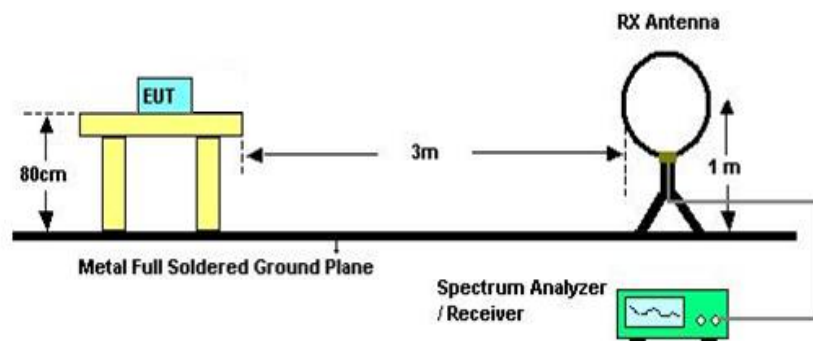
$E(\text{dBuV/m})@1\text{m}=E(\text{dBuV/m})@3\text{m}+20*\log(3/1)$

(c). In addition to the radiated emission limits specified in the table in paragraph (a)(b) of this section, UWB transmitters operating under the provisions of this section shall not exceed the following average limits when measured using a resolution bandwidth of no less than 1 kHz:

Frequency in MHz	EIRP in dBm
1164-1240	-85.3
1559-1610	-85.3

TEST SETUP AND PROCEDURE

Below 30MHz

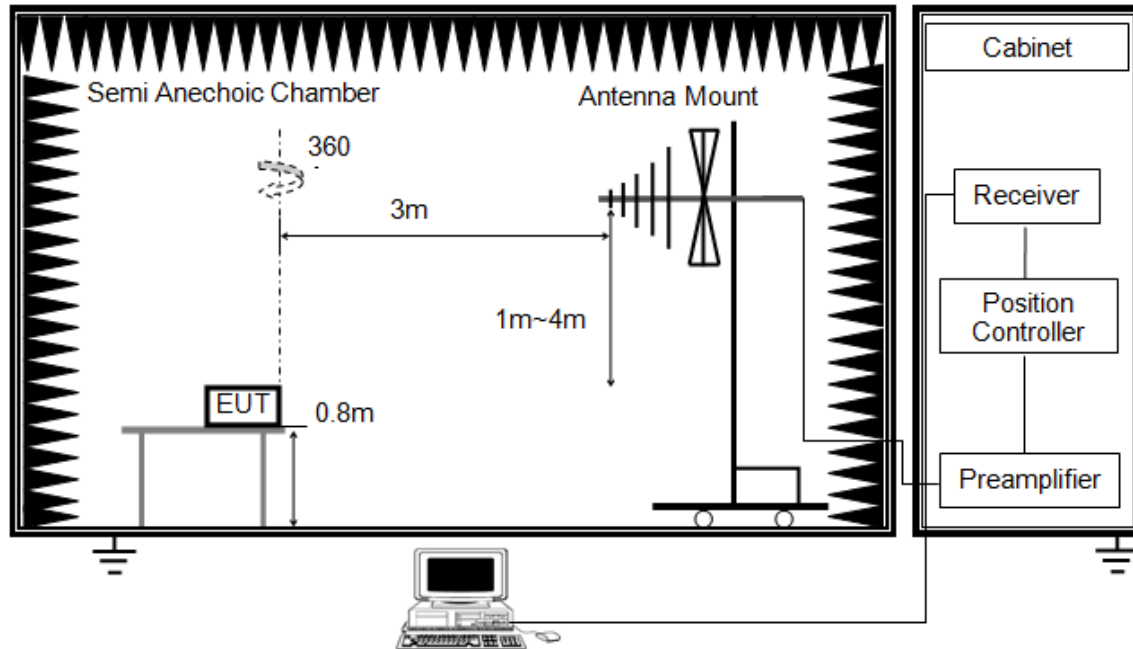


The setting of the spectrum analyser

RBW	200Hz (From 9kHz to 0.15MHz)/ 9KHz (From 0.15MHz to 30MHz)
VBW	200Hz (From 9kHz to 0.15MHz)/ 9KHz (From 0.15MHz to 30MHz)
Sweep	Auto
Detector	Peak/QP/ Average
Trace	Max hold

1. The testing follows the guidelines in ANSI C63.10-2020.
2. The EUT was arranged to its worst case and then 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. Both Horizontal, Face-on and Face-off polarizations of the antenna are set to make the measurement.
3. The EUT was placed on a turntable with 80cm meter above ground.
4. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a 1m height antenna tower.
5. Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.
6. I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
7. The radiated emission limits are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90 kHz, 110-490 kHz and above 1000MHz. Radiated emission limits in these three bands are based on measurements employing an average detector.
8. Although these tests were performed other than open area test site, adequate comparison measurements were confirmed against 30m open field site. Therefore, the sufficient tests were made to demonstrate that the alternative site produces results that correlate with the ones of tests made in an open field based on KDB 414788.

Below 1G

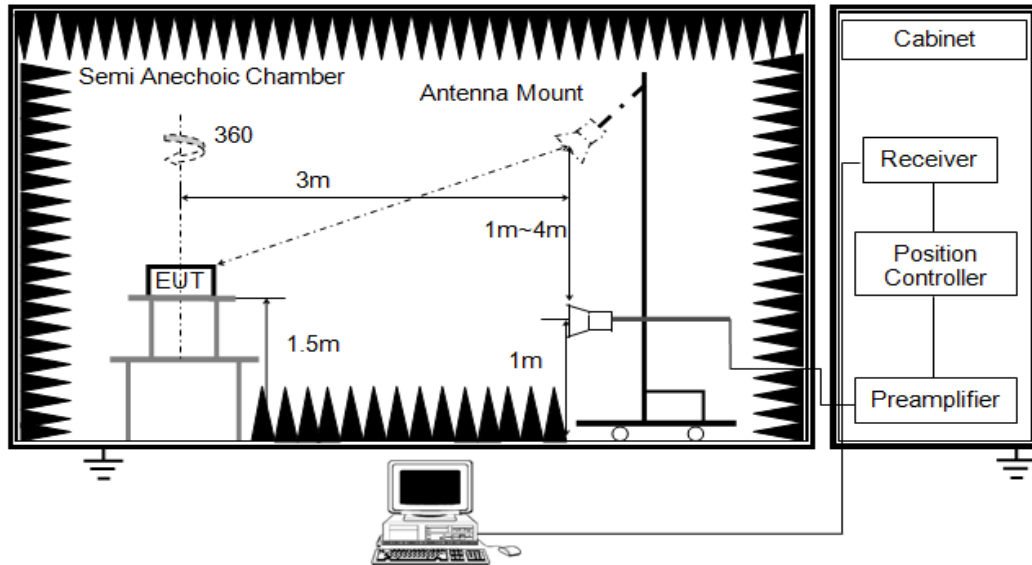


The setting of the spectrum analyser

RBW	120K
VBW	300K
Sweep	Auto
Detector	Peak/QP
Trace	Max hold

1. The testing follows the guidelines in ANSI C63.10-2020.
2. 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. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
3. The EUT was placed on a turntable with 80cm above ground.
4. Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.
5. I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
6. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.
7. The initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.

Above 1G

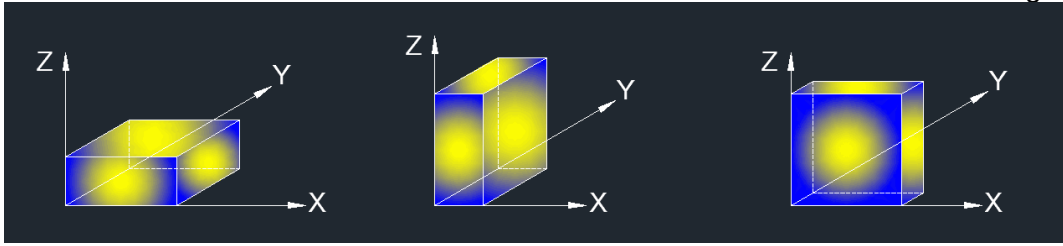


The setting of the spectrum analyser

RBW	1M
VBW	3M
Sweep	Auto/see note 6
Detector	Peak
Trace	Max hold

1. The testing follows the guidelines in ANSI C63.10-2020.
2. The EUT was arranged to its worst case and then tune the antenna tower (1.5 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter or band reject filter are used for the test in order to get better signal level. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
3. The EUT was placed on a turntable with 80cm above ground.
4. Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.
5. I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
4. The EUT was set 1 meter from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.
6. For AVG measurements, select the power averaging (rms) detector, set the sweep time so that there is no more than a 1 ms integration period over each measurement bin. Many older instruments use a default value of approximately 600 bins per scan. Assuming this value, a sweep time of 600 ms provides the required 1 ms integration period within each measurement bin. The number of measurement bins can be specified with many modern instruments, providing many other possible combinations of sweep time and number of measurement bins that also result in adherence to the 1 ms maximum integration time requirement. The rms-average power spectral density is the highest integrated power detected within a 1 MHz RBW over a 1 ms integration period.

X axis, Y axis, Z axis positions:



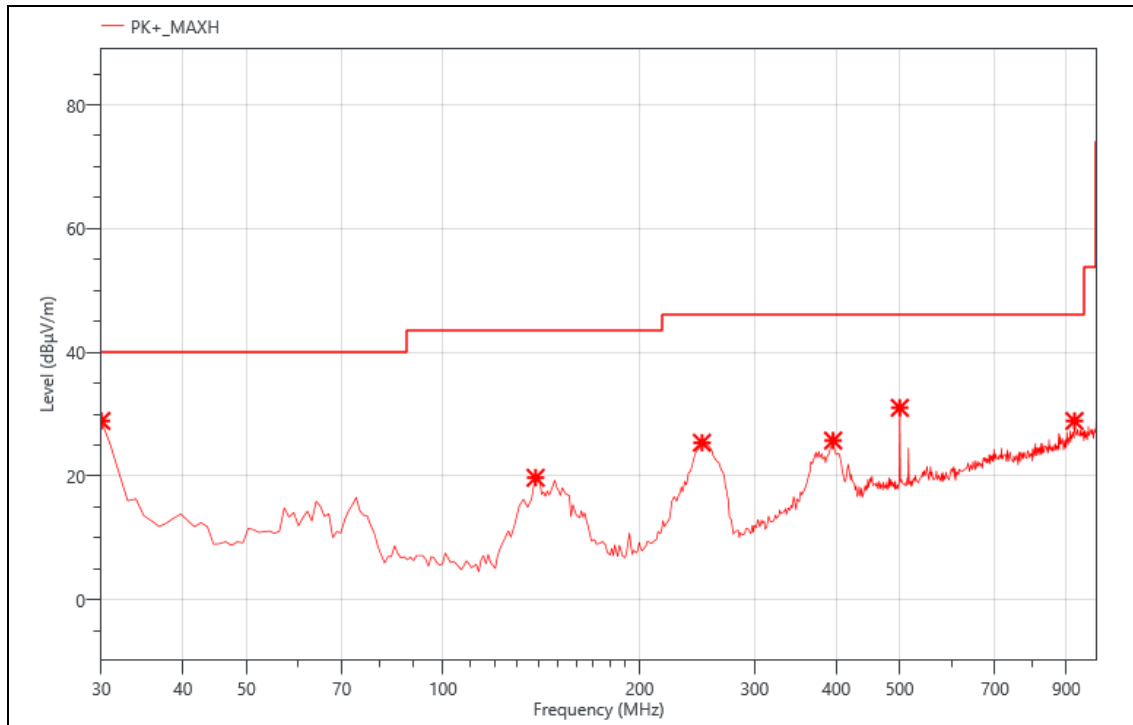
Note: For all radiated test, EUT in each of three orthogonal axis emissions had been tested, but only the worst case (X axis for horizontal and Z axis for vertical) data recorded in the report.

TEST ENVIRONMENT

Temperature	23.3°C	Relative Humidity	51%
Atmosphere Pressure	101kPa		

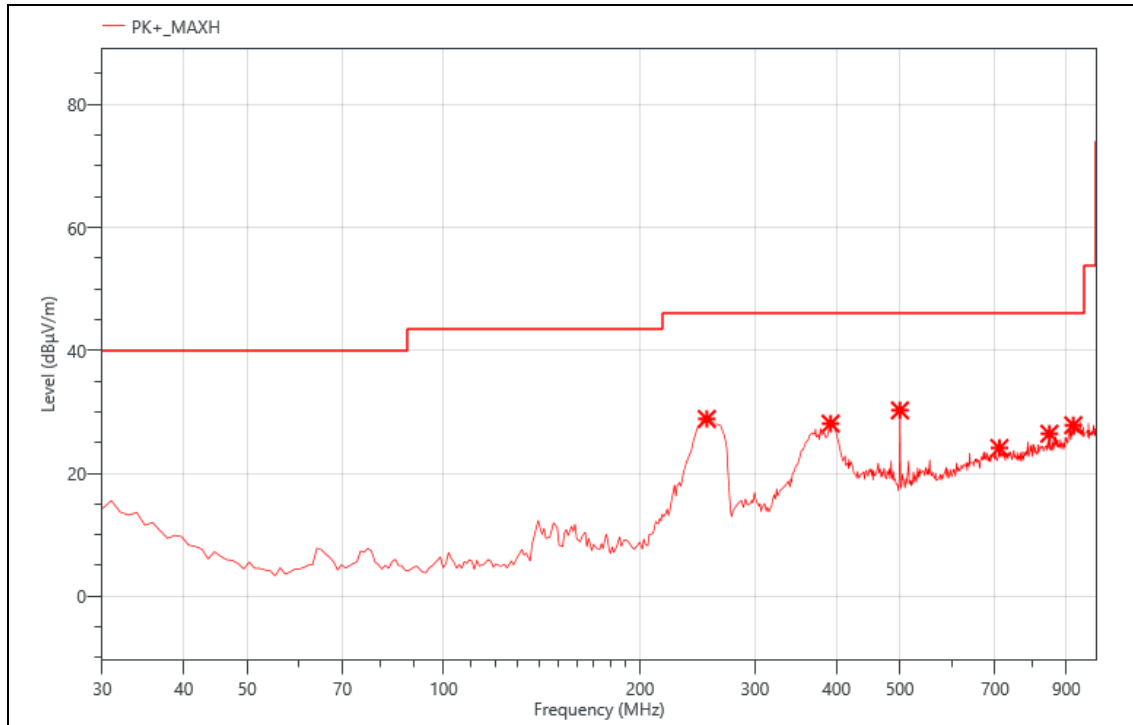
TEST RESULT - FCC PART 15 SUBPART F

Mode:	6489.6 MHz
Power:	DC 57V
TE:	Berny
Date	2025/07/18
T/A/P	23.3°C/51%/101Kpa

**Critical_Freqs**

No.	Freq. (MHz)	Reading (dBµV)	Corr. (dB)	Meas. (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Det.	Pol.
1	30.000	43.23	-14.32	28.91	40.00	11.09	PK+	V
2	138.640	43.08	-23.36	19.72	43.50	23.78	PK+	V
3	249.220	44.17	-18.78	25.39	46.00	20.61	PK+	V
4	395.690	39.52	-13.79	25.73	46.00	20.27	PK+	V
5	500.450	42.80	-11.77	31.03	46.00	14.97	PK+	V
6	926.280	31.24	-2.34	28.90	46.00	17.10	PK+	V

Mode:	6489.6 MHz
Power:	DC 57V
TE:	Berny
Date	2025/07/18
T/A/P	23.3°C/51%/101Kpa

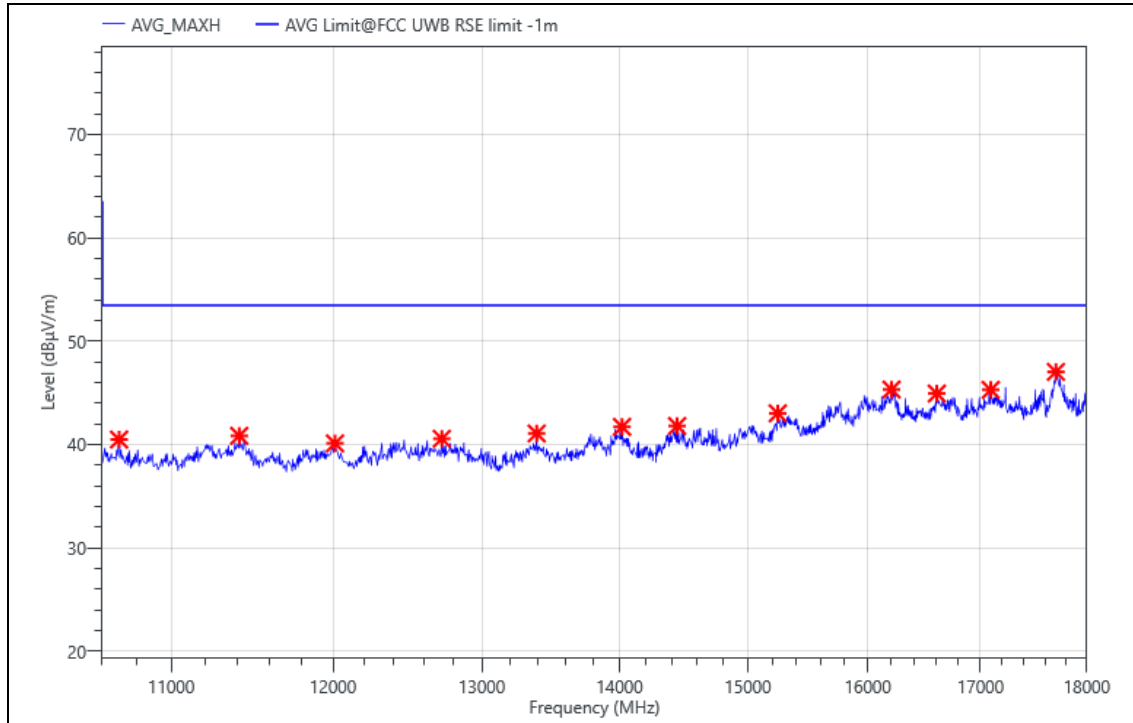


Critical_Freqs

No.	Freq. (MHz)	Reading (dBμV)	Corr. (dB)	Meas. (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Det.	Pol.
1	253.100	47.48	-18.63	28.85	46.00	17.15	PK+	H
2	391.810	42.01	-13.92	28.09	46.00	17.91	PK+	H
3	500.450	42.01	-11.77	30.24	46.00	15.76	PK+	H
4	710.940	30.77	-6.65	24.12	46.00	21.88	PK+	H
5	847.710	31.58	-5.14	26.44	46.00	19.56	PK+	H
6	922.400	30.48	-2.65	27.83	46.00	18.17	PK+	H

Note 1: Test distance is 3m.

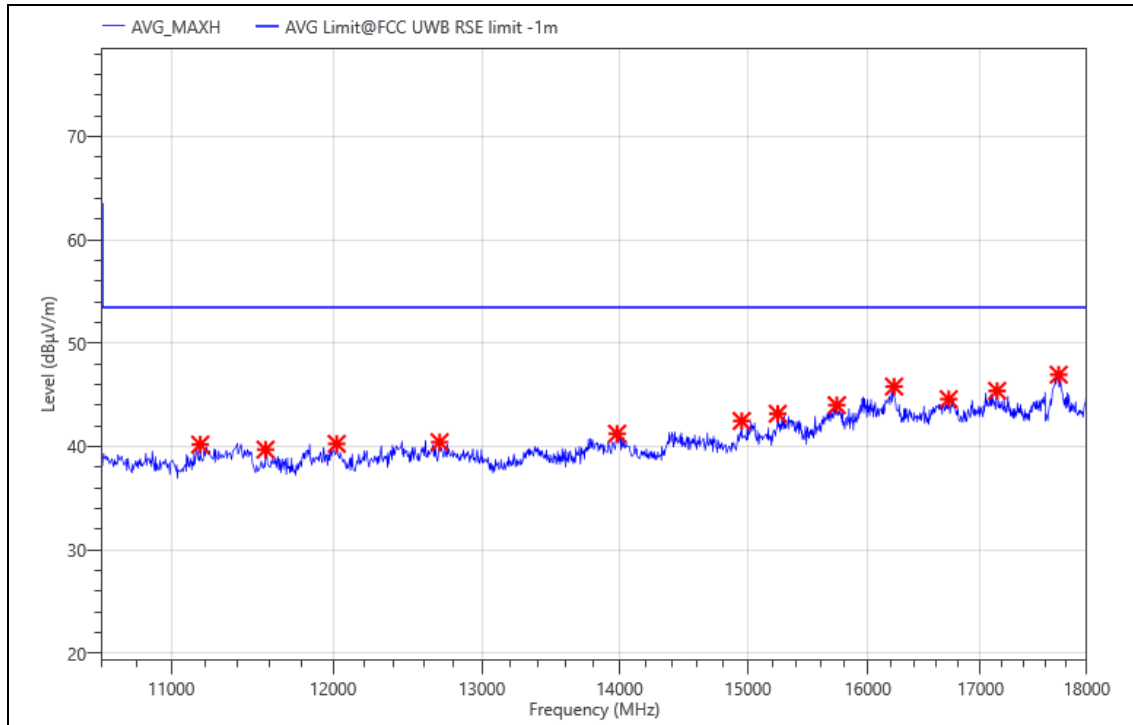
Mode:	6489.6 MHz
Power:	DC 57V
TE:	Berny
Date	2025/07/18
T/A/P	23.3°C/51%/101Kpa



Critical_Freqs

No.	Freq. (MHz)	Reading (dBμV)	Corr. (dB)	Meas. (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Det.	Pol.
1	10696.200	45.55	-5.07	40.48	53.44	12.96	AVG	V
2	11410.300	44.90	-4.06	40.84	53.44	12.60	AVG	V
3	12013.400	43.98	-3.87	40.11	53.44	13.33	AVG	V
4	12723.800	44.94	-4.38	40.56	53.44	12.88	AVG	V
5	13389.800	45.36	-4.29	41.07	53.44	12.37	AVG	V
6	14018.800	45.19	-3.48	41.71	53.44	11.73	AVG	V
7	14440.600	44.88	-3.09	41.79	53.44	11.65	AVG	V
8	15243.500	45.81	-2.79	43.02	53.44	10.42	AVG	V
9	16205.500	45.69	-0.37	45.32	53.44	8.12	AVG	V
10	16605.100	46.14	-1.21	44.93	53.44	8.51	AVG	V
11	17093.500	46.25	-0.96	45.29	53.44	8.15	AVG	V
12	17704.000	46.92	0.11	47.03	53.44	6.41	AVG	V

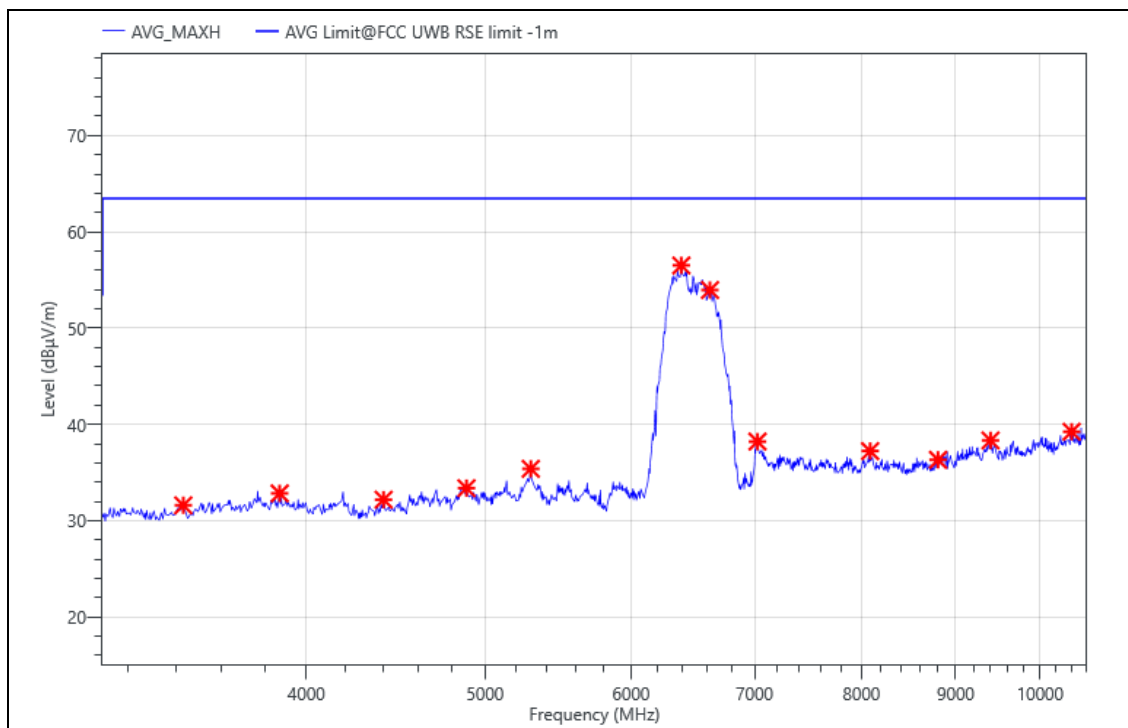
Mode:	6489.6 MHz
Power:	DC 57V
TE:	Berny
Date	2025/07/18
T/A/P	23.3°C/51%/101Kpa



Critical_Freqs

No.	Freq. (MHz)	Reading (dBμV)	Corr. (dB)	Meas. (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Det.	Pol.
1	11173.500	44.28	-4.09	40.19	53.44	13.25	AVG	H
2	11573.100	43.87	-4.17	39.70	53.44	13.74	AVG	H
3	12024.500	44.22	-3.96	40.26	53.44	13.18	AVG	H
4	12709.000	44.82	-4.4	40.42	53.44	13.02	AVG	H
5	13981.800	44.58	-3.34	41.24	53.44	12.20	AVG	H
6	14951.200	44.97	-2.5	42.47	53.44	10.97	AVG	H
7	15243.500	45.96	-2.79	43.17	53.44	10.27	AVG	H
8	15735.600	46.09	-2.09	44.00	53.44	9.44	AVG	H
9	16227.700	46.35	-0.55	45.80	53.44	7.64	AVG	H
10	16712.400	46.12	-1.54	44.58	53.44	8.86	AVG	H
11	17152.700	45.80	-0.41	45.39	53.44	8.05	AVG	H
12	17729.900	46.43	0.52	46.95	53.44	6.49	AVG	H

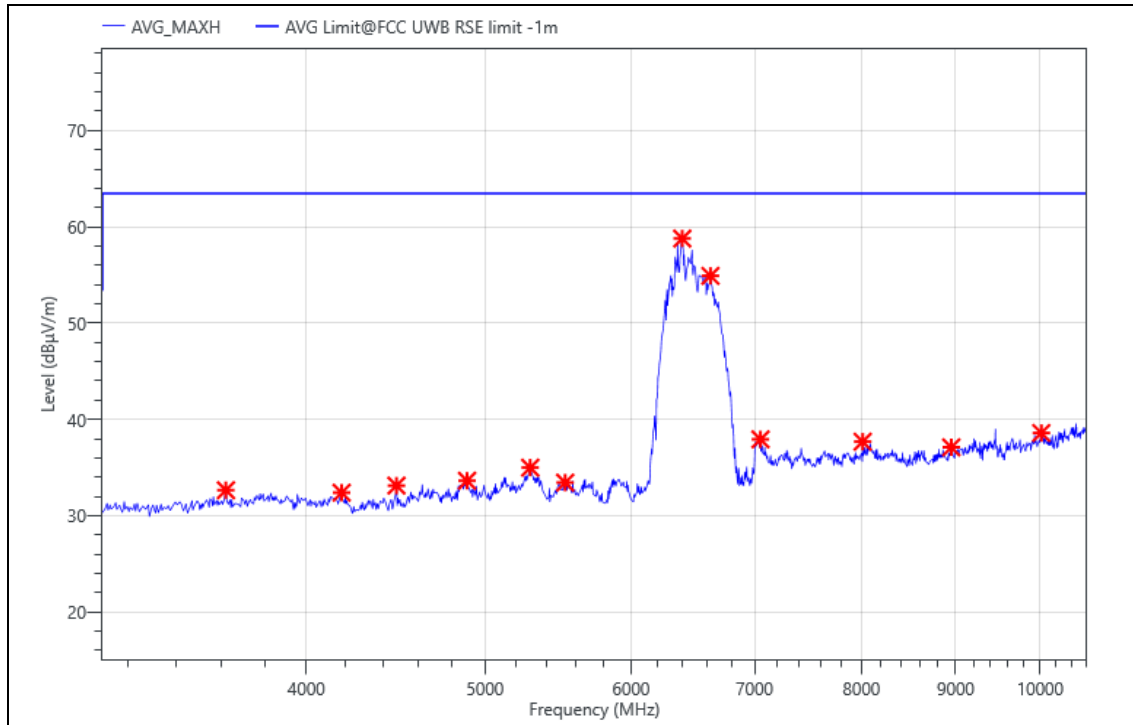
Mode:	6489.6 MHz
Power:	DC 57V
TE:	Berny
Date	2025/07/18
T/A/P	23.3°C/51%/101Kpa



Critical_Freqs

No.	Freq. (MHz)	Reading (dBμV)	Corr. (dB)	Meas. (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Det.	Pol.
1	3430.000	45.94	-14.34	31.60	63.44	31.84	AVG	H
2	3868.750	46.42	-13.58	32.84	63.44	30.60	AVG	H
3	4405.000	44.21	-12.02	32.19	63.44	31.25	AVG	H
4	4885.000	44.38	-11	33.38	63.44	30.06	AVG	H
5	5293.750	44.78	-9.39	35.39	63.44	28.05	AVG	H
6	6388.750	64.31	-7.8	56.51	63.44	6.93	AVG	H
7	6621.250	62.28	-8.32	53.96	63.44	9.48	AVG	H
8	7026.250	45.58	-7.36	38.22	63.44	25.22	AVG	H
9	8087.500	44.87	-7.64	37.23	63.44	26.21	AVG	H
10	8803.750	43.94	-7.62	36.32	63.44	27.12	AVG	H
11	9400.000	45.23	-6.89	38.34	63.44	25.10	AVG	H
12	10401.250	44.90	-5.66	39.24	63.44	24.20	AVG	H

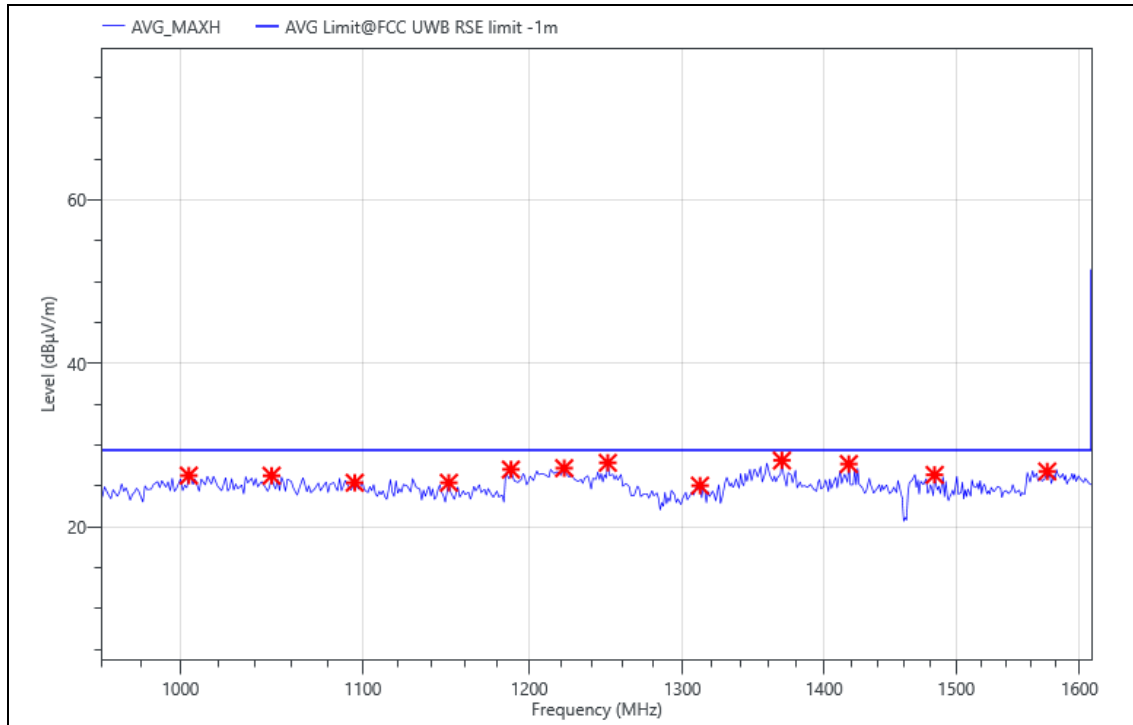
Mode:	6489.6 MHz
Power:	DC 57V
TE:	Berny
Date	2025/07/18
T/A/P	23.3°C/51%/101Kpa



Critical_Freqs

No.	Freq. (MHz)	Reading (dBμV)	Corr. (dB)	Meas. (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Det.	Pol.
1	3617.500	46.47	-13.82	32.65	63.44	30.79	AVG	V
2	4180.000	44.56	-12.17	32.39	63.44	31.05	AVG	V
3	4476.250	45.14	-12.01	33.13	63.44	30.31	AVG	V
4	4888.750	44.69	-11.06	33.63	63.44	29.81	AVG	V
5	5290.000	44.40	-9.41	34.99	63.44	28.45	AVG	V
6	5526.250	42.81	-9.37	33.44	63.44	30.00	AVG	V
7	6396.250	66.77	-7.99	58.78	63.44	4.66	AVG	V
8	6625.000	63.25	-8.34	54.91	63.44	8.53	AVG	V
9	7052.500	45.66	-7.73	37.93	63.44	25.51	AVG	V
10	8012.500	45.74	-8.05	37.69	63.44	25.75	AVG	V
11	8950.000	44.91	-7.81	37.10	63.44	26.34	AVG	V
12	10015.000	44.62	-6.03	38.59	63.44	24.85	AVG	V

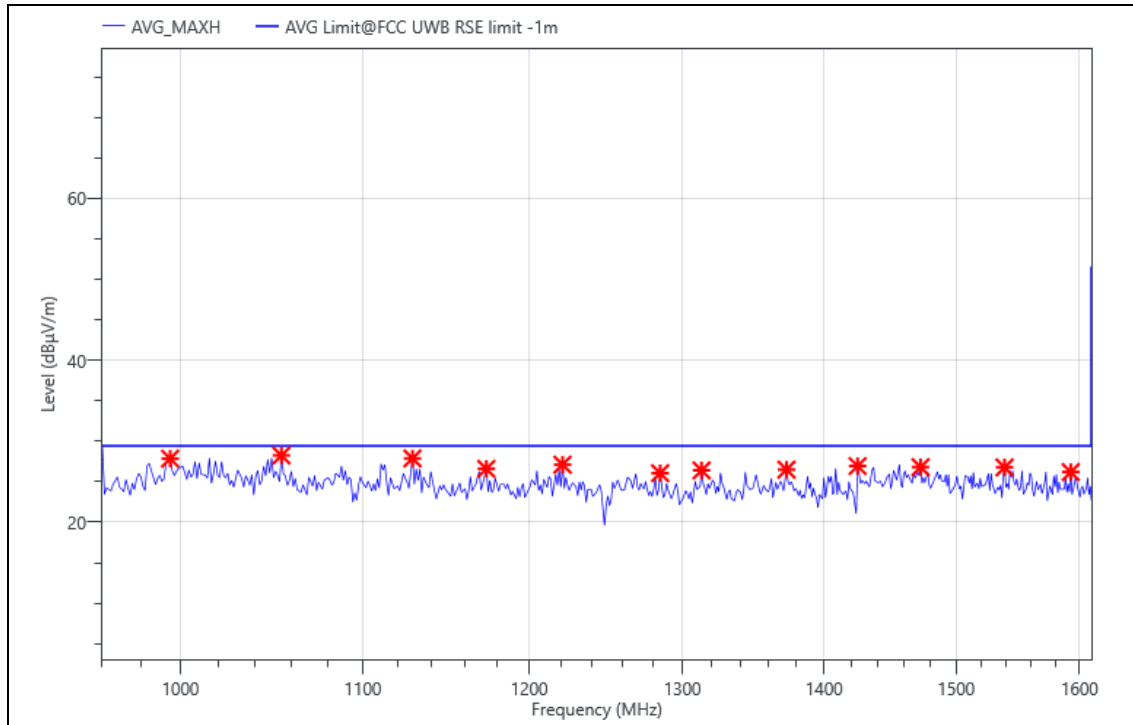
Mode:	6489.6 MHz
Power:	DC 57V
TE:	Berny
Date	2025/07/18
T/A/P	23.3°C/51%/101Kpa



Critical_Freqs

No.	Freq. (MHz)	Reading (dBμV)	Corr. (dB)	Meas. (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Det.	Pol.
1	1004.417	48.22	-21.93	26.29	29.44	3.15	AVG	V
2	1048.833	48.84	-22.57	26.27	29.44	3.17	AVG	V
3	1095.417	48.23	-22.82	25.41	29.44	4.03	AVG	V
4	1150.667	48.48	-23.07	25.41	29.44	4.03	AVG	V
5	1188.583	49.76	-22.73	27.03	29.44	2.41	AVG	V
6	1222.167	50.01	-22.82	27.19	29.44	2.25	AVG	V
7	1250.333	50.60	-22.75	27.85	29.44	1.59	AVG	V
8	1312.083	47.91	-22.85	25.06	29.44	4.38	AVG	V
9	1369.500	50.68	-22.55	28.13	29.44	1.31	AVG	V
10	1418.250	50.26	-22.56	27.70	29.44	1.74	AVG	V
11	1483.250	48.87	-22.5	26.37	29.44	3.07	AVG	V
12	1573.167	48.69	-21.9	26.79	29.44	2.65	AVG	V

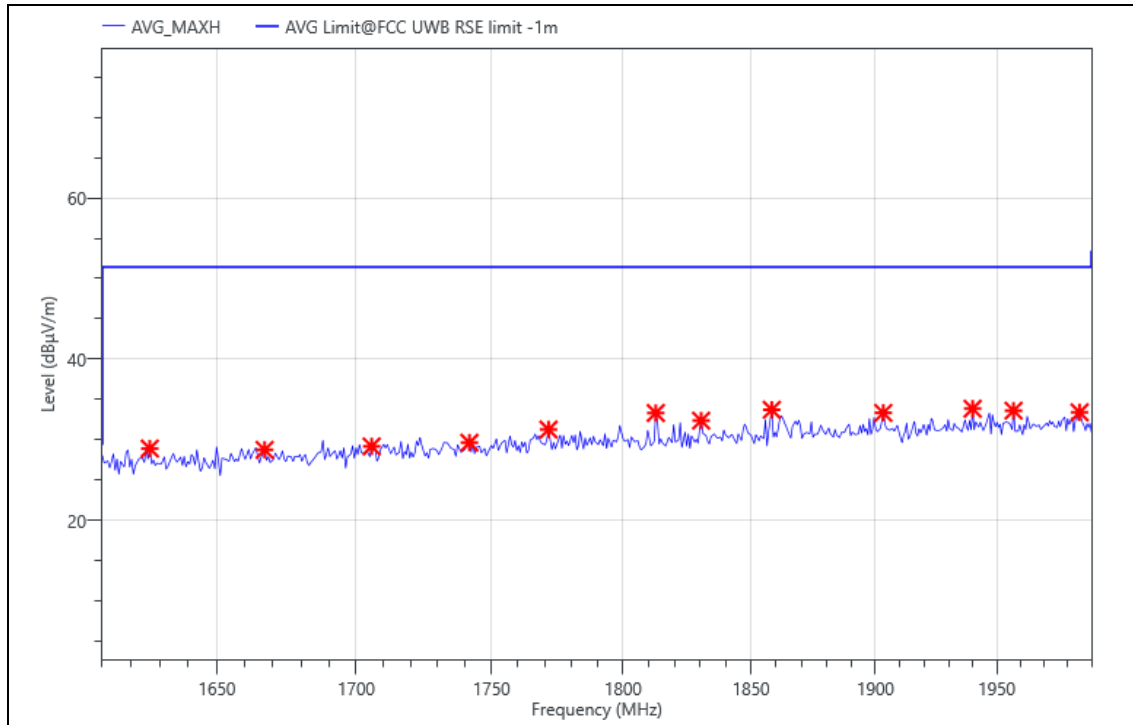
Mode:	6489.6 MHz
Power:	DC 57V
TE:	Berny
Date	2025/07/18
T/A/P	23.3°C/51%/101Kpa



Critical_Freqs

No.	Freq. (MHz)	Reading (dBμV)	Corr. (dB)	Meas. (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Det.	Pol.
1	994.667	49.75	-21.89	27.86	29.44	1.58	AVG	H
2	1054.250	50.82	-22.57	28.25	29.44	1.19	AVG	H
3	1129.000	50.85	-22.97	27.88	29.44	1.56	AVG	H
4	1173.417	49.49	-22.89	26.60	29.44	2.84	AVG	H
5	1221.083	49.92	-22.81	27.11	29.44	2.33	AVG	H
6	1285.000	48.83	-22.77	26.06	29.44	3.38	AVG	H
7	1313.167	49.25	-22.85	26.40	29.44	3.04	AVG	H
8	1372.750	49.05	-22.55	26.50	29.44	2.94	AVG	H
9	1424.750	49.46	-22.52	26.94	29.44	2.5	AVG	H
10	1472.417	49.34	-22.54	26.80	29.44	2.64	AVG	H
11	1538.500	48.96	-22.18	26.78	29.44	2.66	AVG	H
12	1592.667	47.95	-21.75	26.20	29.44	3.24	AVG	H

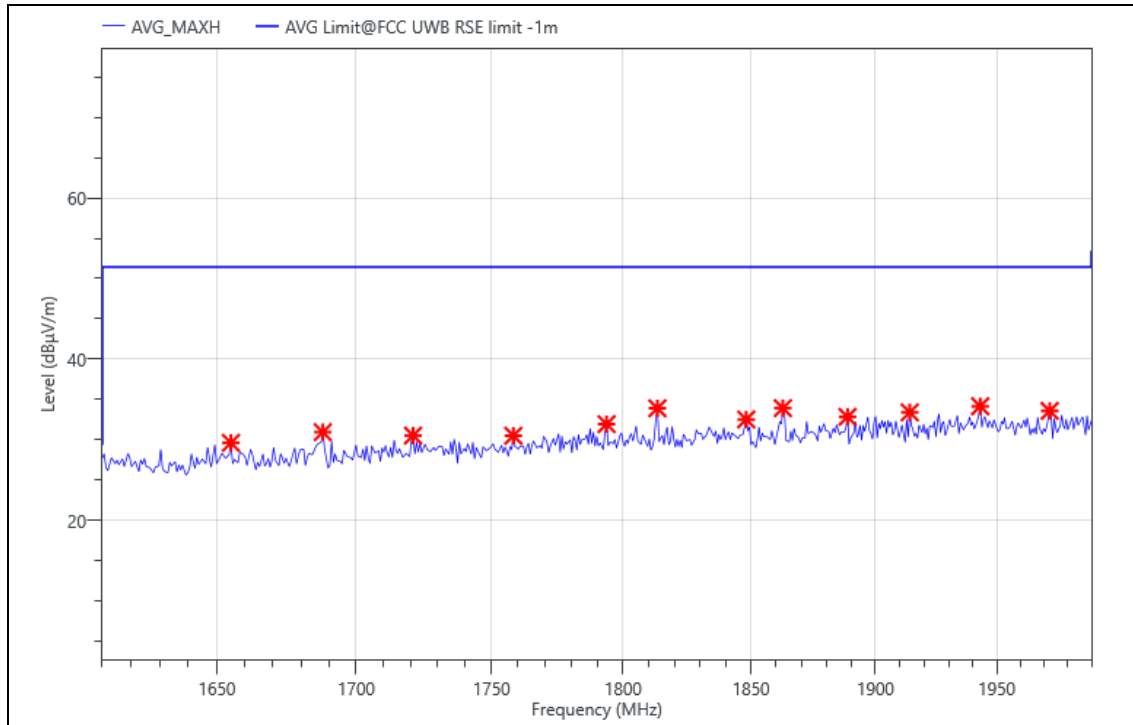
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Power:	DC 57V
TE:	Berny
Date	2025/07/18
T/A/P	23.3°C/51%/101Kpa



Critical_Freqs

No.	Freq. (MHz)	Reading (dBμV)	Corr. (dB)	Meas. (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Det.	Pol.
1	1626.467	50.48	-21.56	28.92	51.44	22.52	AVG	H
2	1667.000	49.88	-21.12	28.76	51.44	22.68	AVG	H
3	1705.633	50.00	-20.81	29.19	51.44	22.25	AVG	H
4	1741.733	50.20	-20.55	29.65	51.44	21.79	AVG	H
5	1771.500	51.52	-20.24	31.28	51.44	20.16	AVG	H
6	1812.667	53.29	-19.96	33.33	51.44	18.11	AVG	H
7	1830.400	52.16	-19.78	32.38	51.44	19.06	AVG	H
8	1858.267	53.35	-19.62	33.73	51.44	17.71	AVG	H
9	1903.233	52.55	-19.21	33.34	51.44	18.10	AVG	H
10	1939.967	52.73	-18.87	33.86	51.44	17.58	AVG	H
11	1957.067	52.34	-18.72	33.62	51.44	17.82	AVG	H
12	1984.933	51.93	-18.52	33.41	51.44	18.03	AVG	H

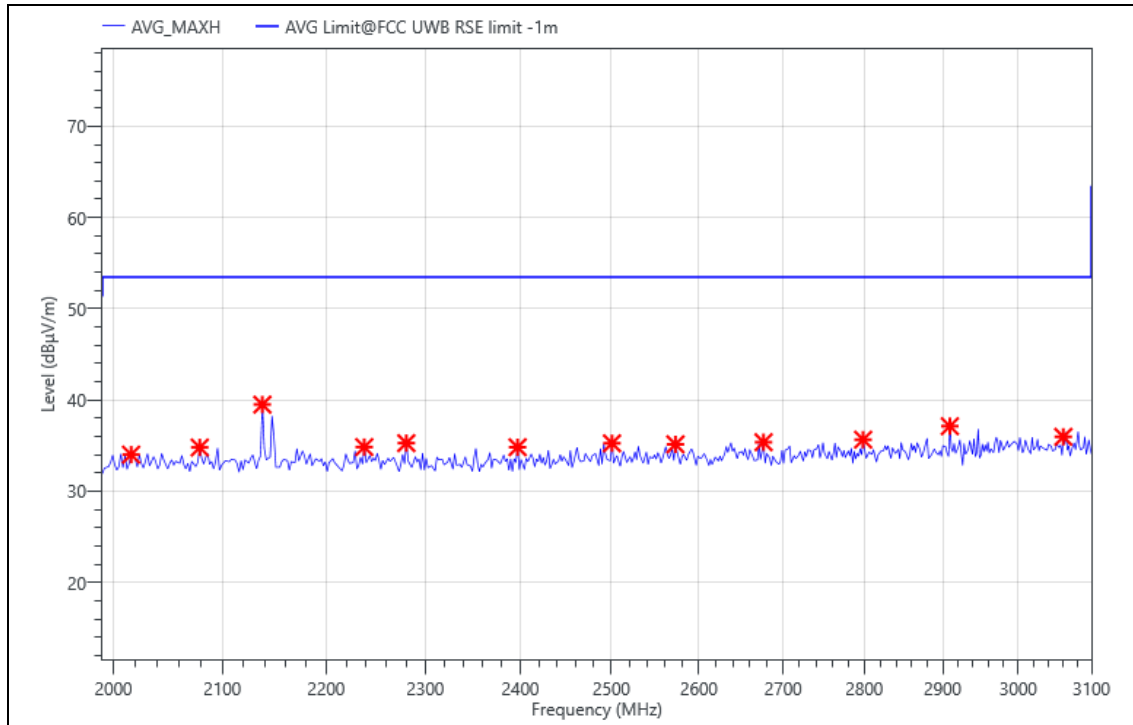
Mode:	6489.6 MHz
Power:	DC 57V
TE:	Berny
Date	2025/07/18
T/A/P	23.3°C/51%/101Kpa



Critical_Freqs

No.	Freq. (MHz)	Reading (dBμV)	Corr. (dB)	Meas. (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Det.	Pol.
1	1654.967	50.85	-21.22	29.63	51.44	21.81	AVG	V
2	1687.900	51.90	-20.95	30.95	51.44	20.49	AVG	V
3	1720.833	51.19	-20.66	30.53	51.44	20.91	AVG	V
4	1758.200	50.93	-20.42	30.51	51.44	20.93	AVG	V
5	1793.667	52.07	-20.12	31.95	51.44	19.49	AVG	V
6	1813.300	53.86	-19.95	33.91	51.44	17.53	AVG	V
7	1848.133	52.22	-19.69	32.53	51.44	18.91	AVG	V
8	1862.700	53.51	-19.58	33.93	51.44	17.51	AVG	V
9	1888.667	52.20	-19.35	32.85	51.44	18.59	AVG	V
10	1914.000	52.52	-19.11	33.41	51.44	18.03	AVG	V
11	1943.133	53.00	-18.84	34.16	51.44	17.28	AVG	V
12	1972.267	52.19	-18.6	33.59	51.44	17.85	AVG	V

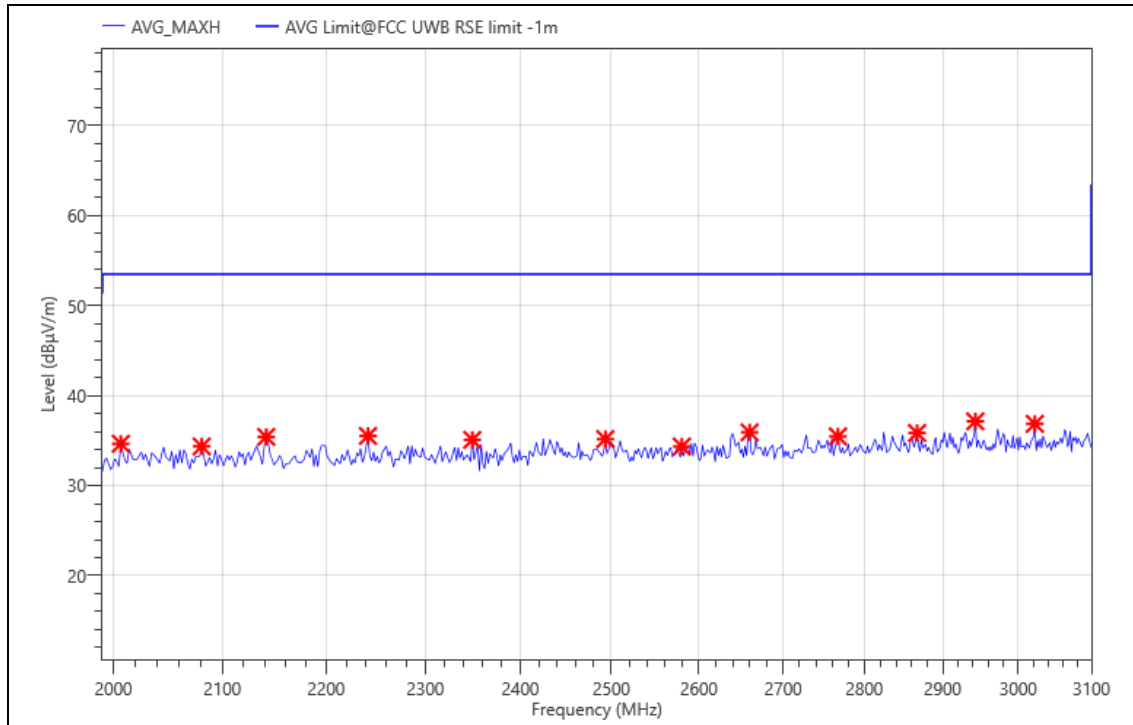
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Power:	DC 57V
TE:	Berny
Date	2025/07/18
T/A/P	23.3°C/51%/101Kpa



Critical_Freqs

No.	Freq. (MHz)	Reading (dBμV)	Corr. (dB)	Meas. (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Det.	Pol.
1	2015.900	52.40	-18.38	34.02	53.44	19.42	AVG	V
2	2078.800	53.00	-18.2	34.80	53.44	18.64	AVG	V
3	2138.000	57.52	-18.02	39.50	53.44	13.94	AVG	V
4	2237.900	52.72	-17.87	34.85	53.44	18.59	AVG	V
5	2280.450	52.90	-17.62	35.28	53.44	18.16	AVG	V
6	2397.000	52.34	-17.51	34.83	53.44	18.61	AVG	V
7	2500.600	52.38	-17.12	35.26	53.44	18.18	AVG	V
8	2572.750	52.07	-16.92	35.15	53.44	18.29	AVG	V
9	2676.350	52.32	-16.94	35.38	53.44	18.06	AVG	V
10	2798.450	52.41	-16.75	35.66	53.44	17.78	AVG	V
11	2909.450	53.25	-16.12	37.13	53.44	16.31	AVG	V
12	3061.150	51.63	-15.66	35.97	53.44	17.47	AVG	V

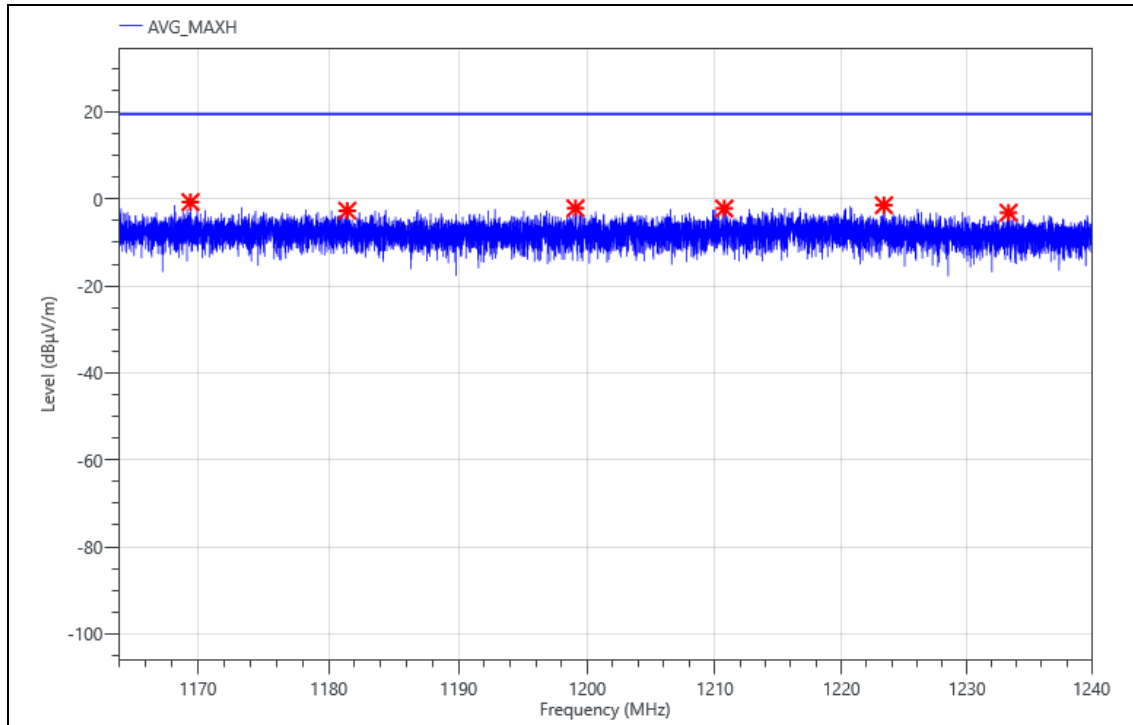
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Power:	DC 57V
TE:	Berny
Date	2025/07/18
T/A/P	23.3°C/51%/101Kpa



Critical_Freqs

No.	Freq. (MHz)	Reading (dBμV)	Corr. (dB)	Meas. (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Det.	Pol.
1	2006.650	53.06	-18.42	34.64	53.44	18.80	AVG	H
2	2080.650	52.55	-18.2	34.35	53.44	19.09	AVG	H
3	2141.700	53.41	-18.01	35.40	53.44	18.04	AVG	H
4	2241.600	53.38	-17.87	35.51	53.44	17.93	AVG	H
5	2348.900	52.53	-17.46	35.07	53.44	18.37	AVG	H
6	2493.200	52.32	-17.16	35.16	53.44	18.28	AVG	H
7	2580.150	51.26	-16.92	34.34	53.44	19.10	AVG	H
8	2659.700	52.69	-16.78	35.91	53.44	17.53	AVG	H
9	2767.000	52.23	-16.77	35.46	53.44	17.98	AVG	H
10	2866.900	52.23	-16.39	35.84	53.44	17.60	AVG	H
11	2942.750	53.12	-15.99	37.13	53.44	16.31	AVG	H
12	3022.300	52.40	-15.55	36.85	53.44	16.59	AVG	H

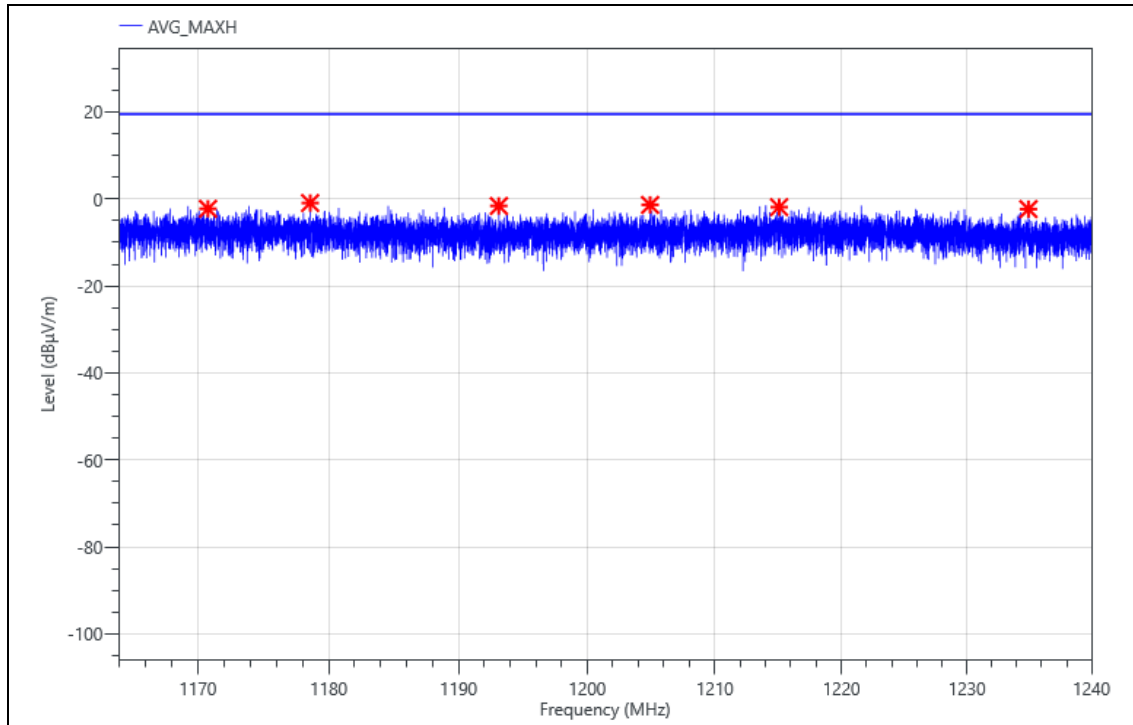
Mode:	6489.6 MHz
Power:	DC 57V
TE:	Berny
Date	2025/07/23
T/A/P	23.3°C/51%/101Kpa



Critical_Freqs

No.	Freq. (MHz)	Reading (dBμV)	Corr. (dB)	Meas. (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Det.	Pol.
1	1169.447	22.20	-22.92	-0.72	19.44	20.16	AVG	V
2	1181.429	20.11	-22.81	-2.70	19.44	22.14	AVG	V
3	1199.087	20.50	-22.63	-2.13	19.44	21.57	AVG	V
4	1210.746	20.52	-22.71	-2.19	19.44	21.63	AVG	V
5	1223.381	21.40	-22.83	-1.43	19.44	20.87	AVG	V
6	1233.337	19.66	-22.81	-3.15	19.44	22.59	AVG	V

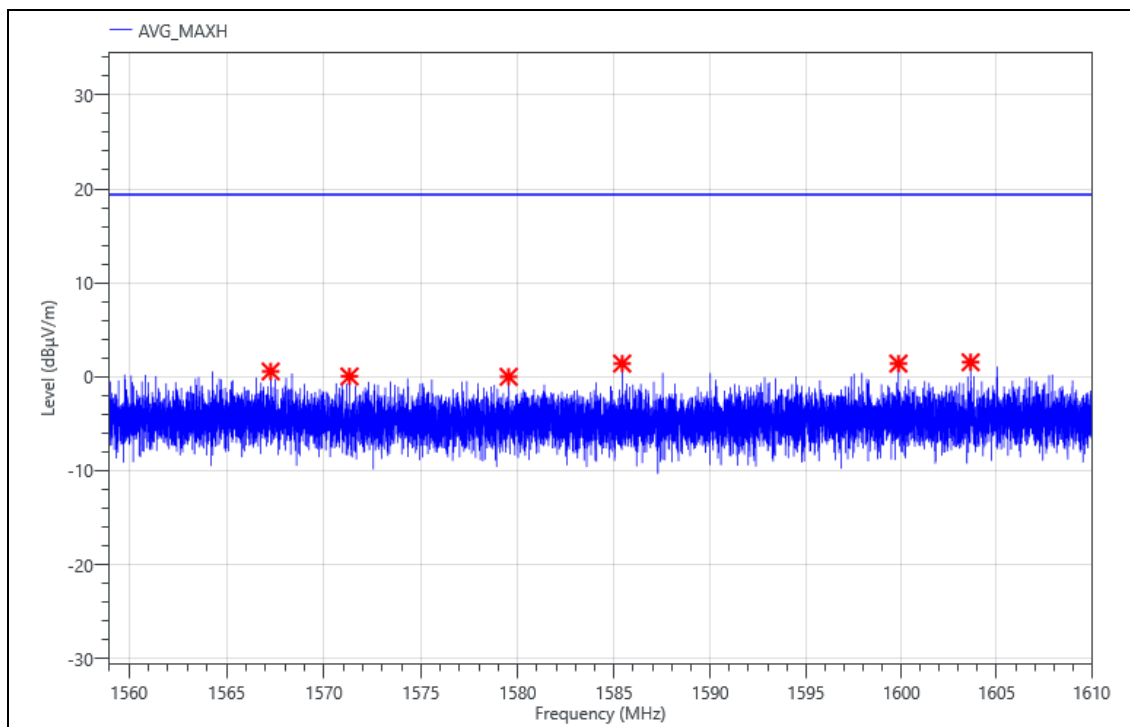
Mode:	6489.6 MHz
Power:	DC 57V
TE:	Berny
Date	2025/07/23
T/A/P	23.3°C/51%/101Kpa



Critical_Freqs

No.	Freq. (MHz)	Reading (dBμV)	Corr. (dB)	Meas. (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Det.	Pol.
1	1170.777	20.66	-22.91	-2.25	19.44	21.69	AVG	H
2	1178.579	21.92	-22.84	-0.92	19.44	20.36	AVG	H
3	1193.127	21.09	-22.69	-1.60	19.44	21.04	AVG	H
4	1204.920	21.30	-22.66	-1.36	19.44	20.80	AVG	H
5	1215.072	20.88	-22.75	-1.87	19.44	21.31	AVG	H
6	1234.927	20.49	-22.81	-2.32	19.44	21.76	AVG	H

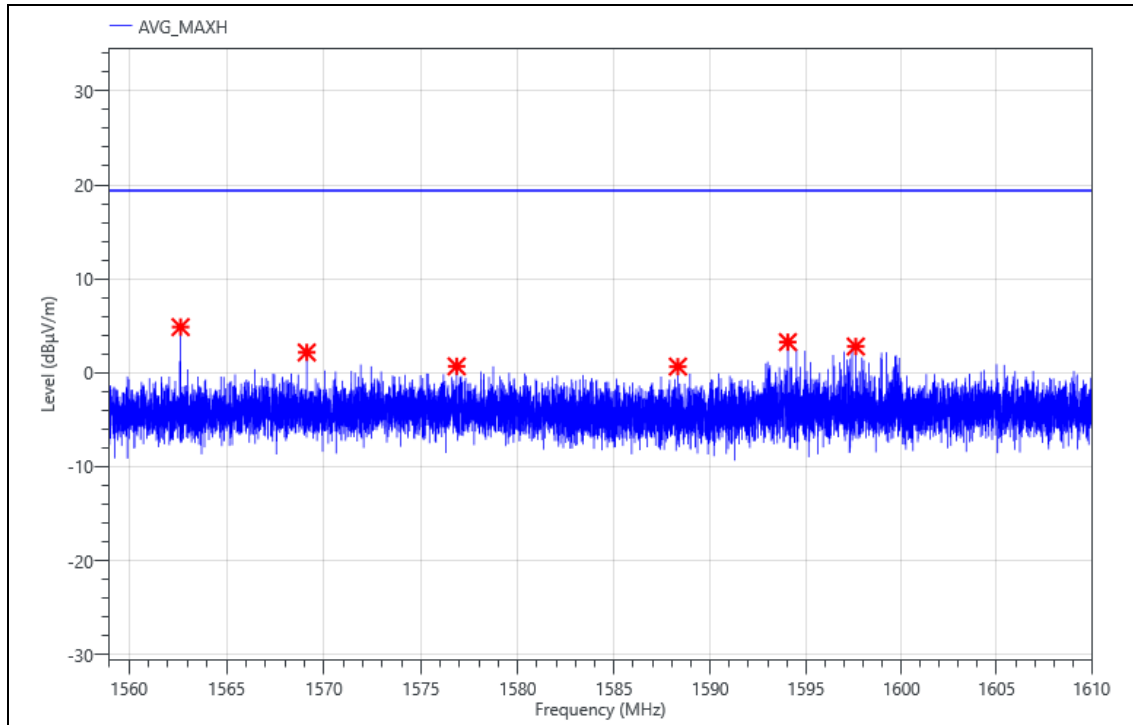
Mode:	6489.6 MHz
Power:	DC 57V
TE:	Berny
Date	2025/07/23
T/A/P	23.3°C/51%/101Kpa



Critical_Freqs

No.	Freq. (MHz)	Reading (dBμV)	Corr. (dB)	Meas. (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Det.	Pol.
1	1567.271	22.51	-21.95	0.56	19.44	18.88	AVG	H
2	1571.321	21.94	-21.91	0.03	19.44	19.41	AVG	H
3	1579.540	21.84	-21.85	-0.01	19.44	19.45	AVG	H
4	1585.427	23.21	-21.81	1.40	19.44	18.04	AVG	H
5	1599.847	23.10	-21.7	1.40	19.44	18.04	AVG	H
6	1603.638	23.22	-21.68	1.54	19.44	17.90	AVG	H

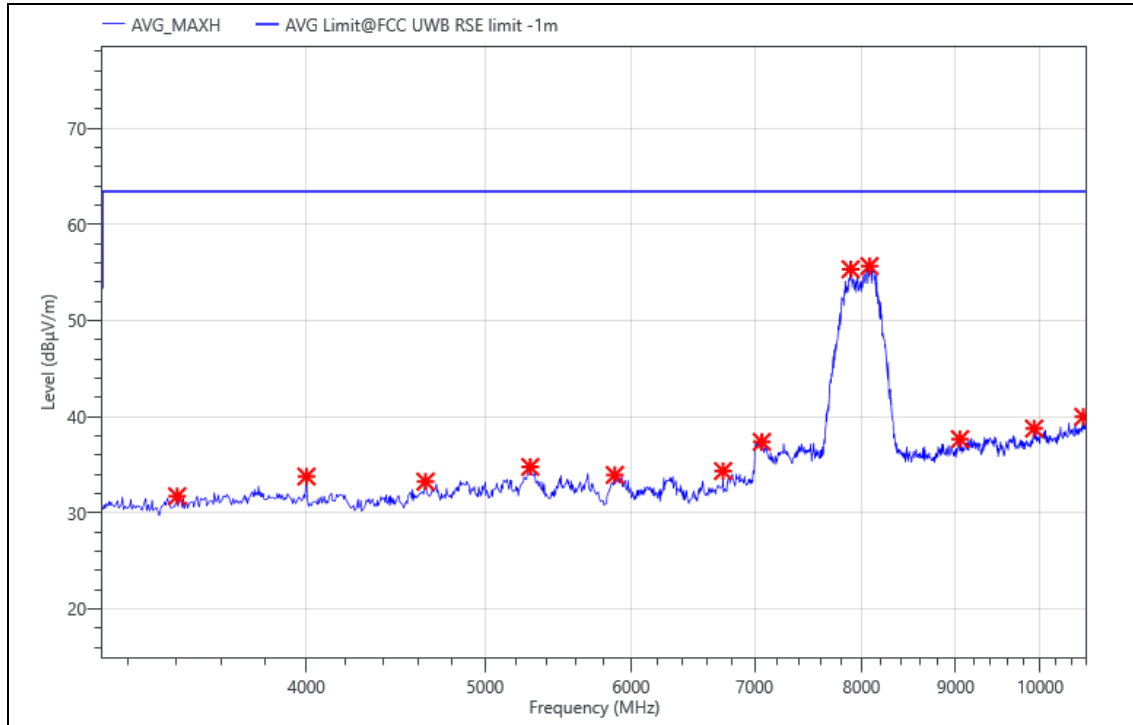
Mode:	6489.6 MHz
Power:	DC 57V
TE:	Berny
Date	2025/07/23
T/A/P	23.3°C/51%/101Kpa



Critical_Freqs

No.	Freq. (MHz)	Reading (dBμV)	Corr. (dB)	Meas. (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Det.	Pol.
1	1562.647	26.84	-21.98	4.86	19.44	14.58	AVG	V
2	1569.124	24.09	-21.93	2.16	19.44	17.28	AVG	V
3	1576.850	22.55	-21.87	0.68	19.44	18.76	AVG	V
4	1588.325	22.44	-21.79	0.65	19.44	18.79	AVG	V
5	1594.058	25.00	-21.74	3.26	19.44	16.18	AVG	V
6	1597.611	24.51	-21.72	2.79	19.44	16.65	AVG	V

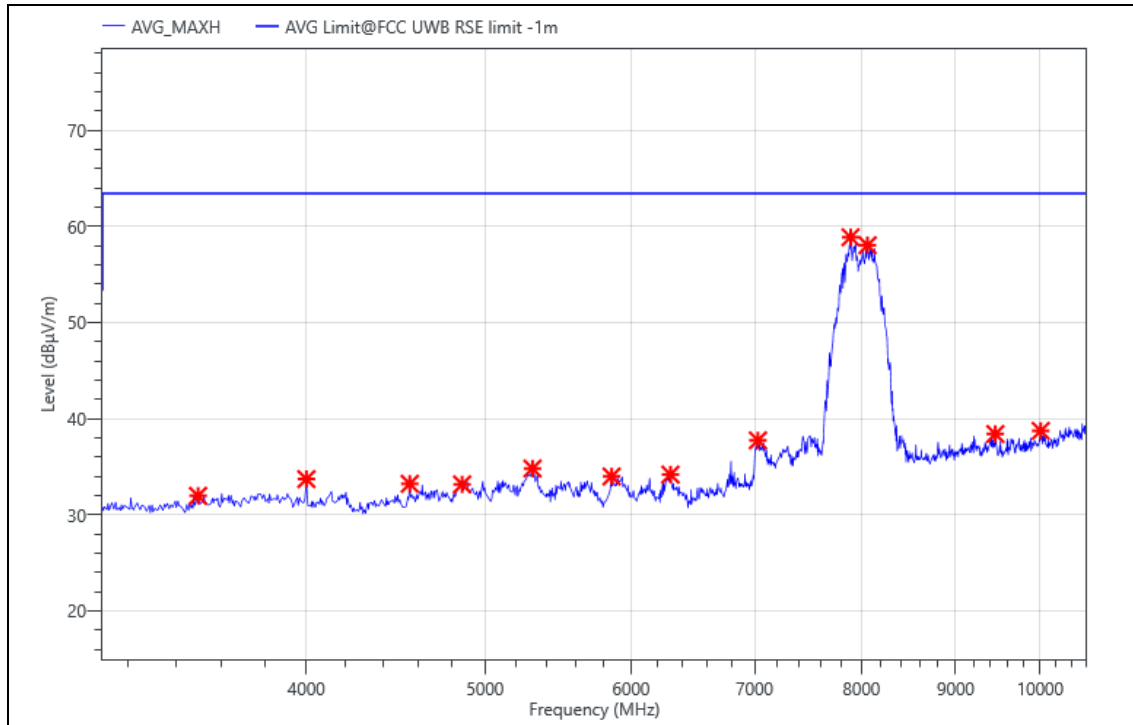
Mode:	7987.2MHz
Power:	DC 57V
TE:	Berny
Date	2025/07/18
T/A/P	23.3°C/51%/101Kpa



Critical_Freqs

No.	Freq. (MHz)	Reading (dBμV)	Corr. (dB)	Meas. (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Det.	Pol.
1	3403.750	46.09	-14.37	31.72	63.44	31.72	AVG	H
2	4000.000	47.08	-13.3	33.78	63.44	29.66	AVG	H
3	4641.250	44.83	-11.58	33.25	63.44	30.19	AVG	H
4	5290.000	44.19	-9.41	34.78	63.44	28.66	AVG	H
5	5878.750	42.34	-8.4	33.94	63.44	29.50	AVG	H
6	6730.000	42.89	-8.54	34.35	63.44	29.09	AVG	H
7	7063.750	45.29	-7.91	37.38	63.44	26.06	AVG	H
8	7892.500	63.22	-7.88	55.34	63.44	8.10	AVG	H
9	8080.000	63.40	-7.73	55.67	63.44	7.77	AVG	H
10	9047.500	44.89	-7.22	37.67	63.44	25.77	AVG	H
11	9925.000	44.96	-6.19	38.77	63.44	24.67	AVG	H
12	10555.000	45.37	-5.38	39.99	63.44	23.45	AVG	H

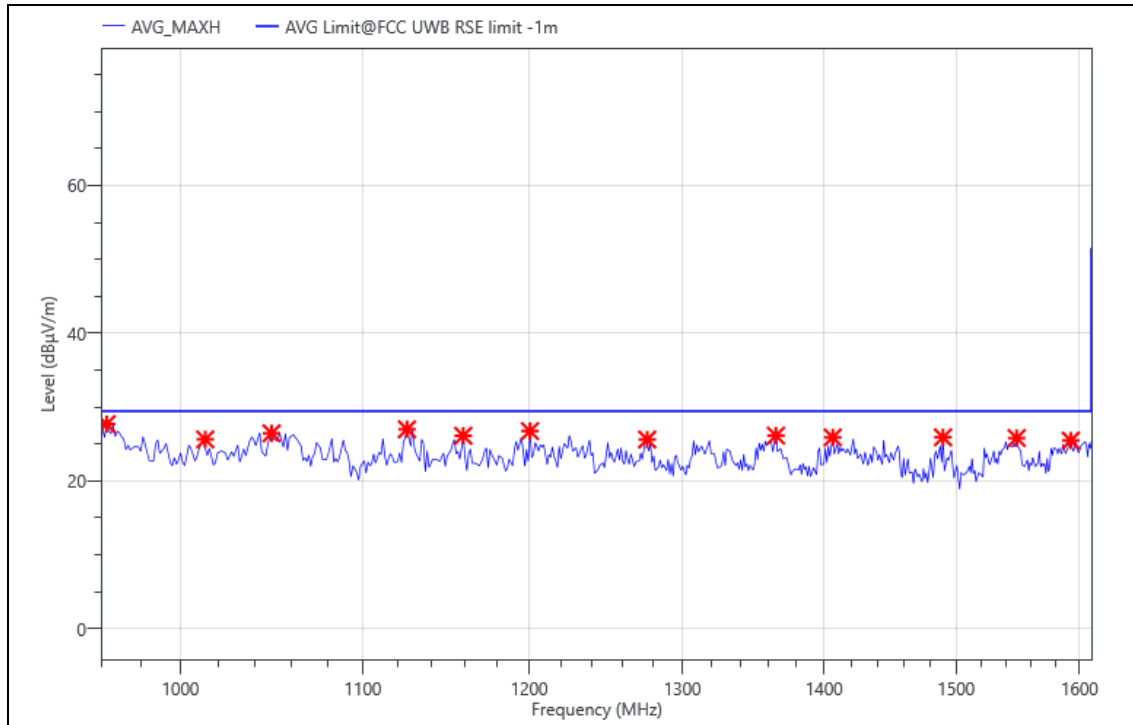
Mode:	7987.2MHz
Power:	DC 57V
TE:	Berny
Date	2025/07/18
T/A/P	23.3°C/51%/101Kpa



Critical_Freqs

No.	Freq. (MHz)	Reading (dBμV)	Corr. (dB)	Meas. (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Det.	Pol.
1	3493.750	46.29	-14.31	31.98	63.44	31.46	AVG	V
2	4000.000	47.02	-13.3	33.72	63.44	29.72	AVG	V
3	4551.250	45.20	-11.97	33.23	63.44	30.21	AVG	V
4	4858.750	44.22	-11.05	33.17	63.44	30.27	AVG	V
5	5305.000	44.17	-9.35	34.82	63.44	28.62	AVG	V
6	5856.250	42.24	-8.25	33.99	63.44	29.45	AVG	V
7	6302.500	41.57	-7.38	34.19	63.44	29.25	AVG	V
8	7030.000	45.07	-7.32	37.75	63.44	25.69	AVG	V
9	7892.500	66.76	-7.88	58.88	63.44	4.56	AVG	V
10	8061.250	66.08	-8.03	58.05	63.44	5.39	AVG	V
11	9456.250	44.66	-6.25	38.41	63.44	25.03	AVG	V
12	10007.500	44.78	-6.04	38.74	63.44	24.70	AVG	V

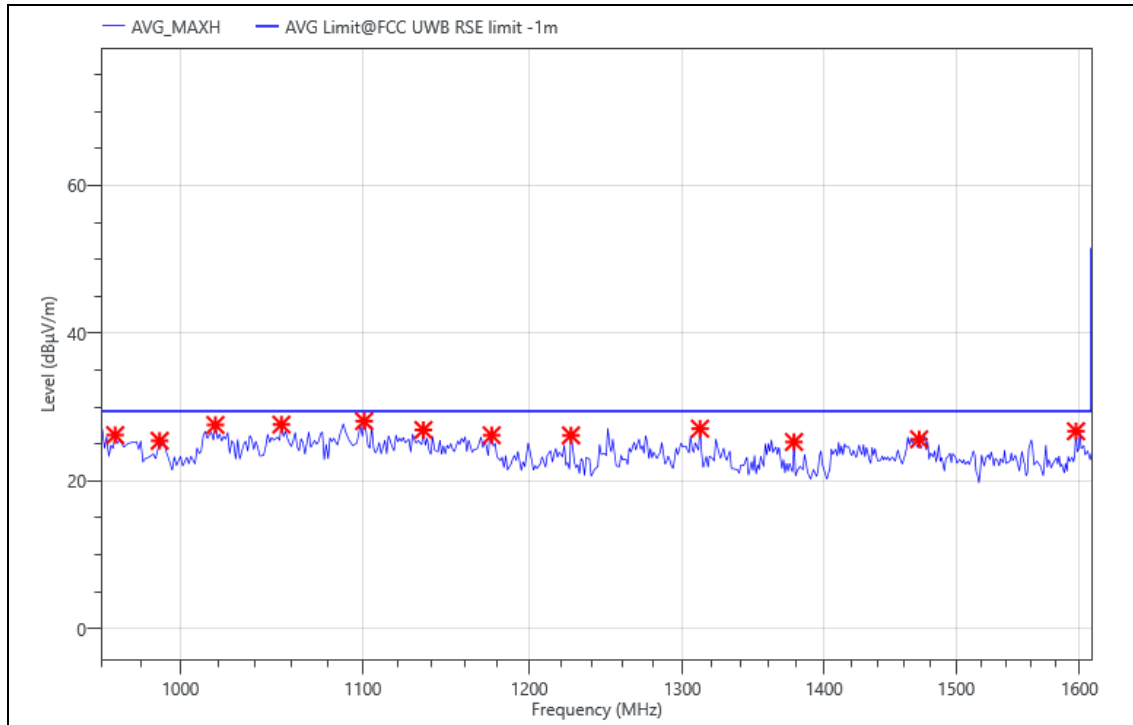
Mode:	7987.2MHz
Power:	DC 57V
TE:	Berny
Date	2025/07/18
T/A/P	23.3°C/51%/101Kpa



Critical_Freqs

No.	Freq. (MHz)	Reading (dBμV)	Corr. (dB)	Meas. (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Det.	Pol.
1	962.167	49.44	-21.76	27.68	29.44	1.76	AVG	V
2	1013.083	47.59	-21.97	25.62	29.44	3.82	AVG	V
3	1048.833	49.01	-22.57	26.44	29.44	3	AVG	V
4	1125.750	49.93	-22.95	26.98	29.44	2.46	AVG	V
5	1159.333	49.12	-23	26.12	29.44	3.32	AVG	V
6	1200.500	49.35	-22.61	26.74	29.44	2.7	AVG	V
7	1276.333	48.34	-22.74	25.60	29.44	3.84	AVG	V
8	1365.167	48.69	-22.56	26.13	29.44	3.31	AVG	V
9	1406.333	48.51	-22.63	25.88	29.44	3.56	AVG	V
10	1489.750	48.37	-22.48	25.89	29.44	3.55	AVG	V
11	1548.250	47.90	-22.1	25.80	29.44	3.64	AVG	V
12	1592.667	47.21	-21.75	25.46	29.44	3.98	AVG	V

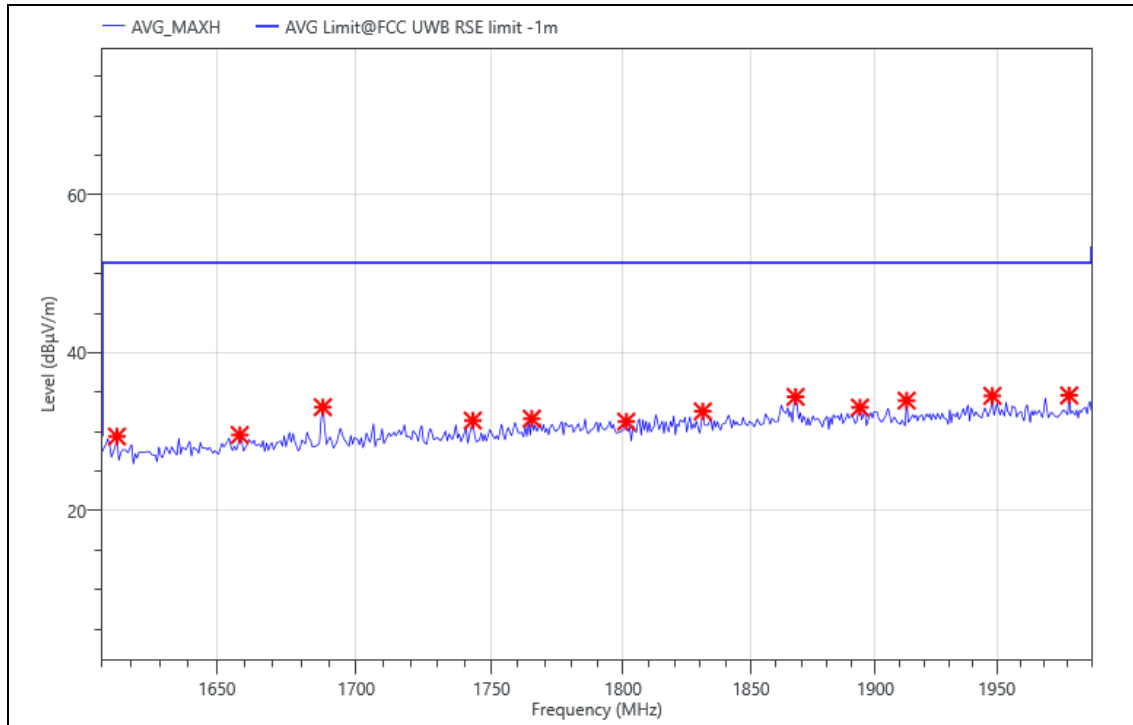
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Power:	DC 57V
TE:	Berny
Date	2025/07/18
T/A/P	23.3°C/51%/101Kpa



Critical_Freqs

No.	Freq. (MHz)	Reading (dBμV)	Corr. (dB)	Meas. (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Det.	Pol.
1	966.500	47.98	-21.78	26.20	29.44	3.24	AVG	H
2	989.250	47.30	-21.87	25.43	29.44	4.01	AVG	H
3	1018.500	49.56	-21.99	27.57	29.44	1.87	AVG	H
4	1054.250	50.19	-22.57	27.62	29.44	1.82	AVG	H
5	1100.833	50.99	-22.91	28.08	29.44	1.36	AVG	H
6	1135.500	49.89	-23	26.89	29.44	2.55	AVG	H
7	1176.667	49.04	-22.86	26.18	29.44	3.26	AVG	H
8	1226.500	49.00	-22.84	26.16	29.44	3.28	AVG	H
9	1312.083	49.92	-22.85	27.07	29.44	2.37	AVG	H
10	1378.167	47.83	-22.56	25.27	29.44	4.17	AVG	H
11	1471.333	48.17	-22.54	25.63	29.44	3.81	AVG	H
12	1597.000	48.44	-21.72	26.72	29.44	2.72	AVG	H

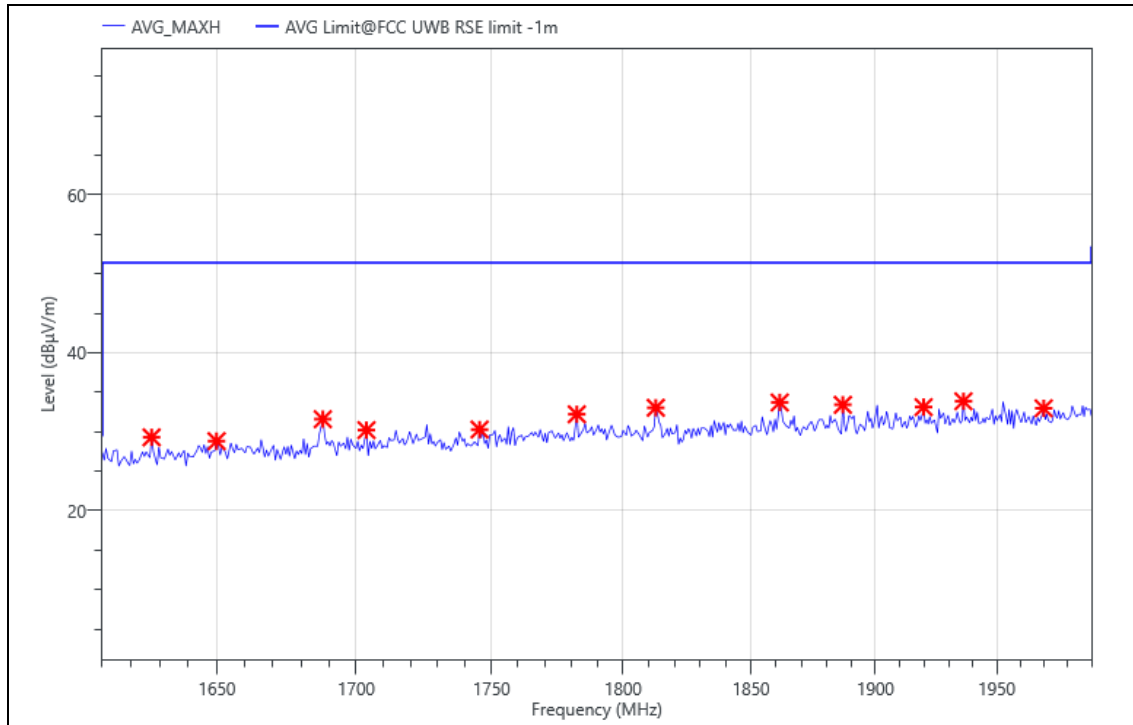
Mode:	7987.2MHz
Power:	DC 57V
TE:	Berny
Date	2025/07/18
T/A/P	23.3°C/51%/101Kpa



Critical_Freqs

No.	Freq. (MHz)	Reading (dBμV)	Corr. (dB)	Meas. (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Det.	Pol.
1	1615.067	51.02	-21.62	29.40	51.44	22.04	AVG	H
2	1658.133	50.78	-21.19	29.59	51.44	21.85	AVG	H
3	1687.900	54.06	-20.95	33.11	51.44	18.33	AVG	H
4	1743.000	51.96	-20.54	31.42	51.44	20.02	AVG	H
5	1765.167	51.97	-20.32	31.65	51.44	19.79	AVG	H
6	1801.267	51.37	-20.09	31.28	51.44	20.16	AVG	H
7	1831.033	52.35	-19.78	32.57	51.44	18.87	AVG	H
8	1867.767	53.96	-19.54	34.42	51.44	17.02	AVG	H
9	1893.733	52.37	-19.3	33.07	51.44	18.37	AVG	H
10	1912.733	53.06	-19.12	33.94	51.44	17.50	AVG	H
11	1948.200	53.34	-18.8	34.54	51.44	16.90	AVG	H
12	1980.500	53.14	-18.54	34.60	51.44	16.84	AVG	H

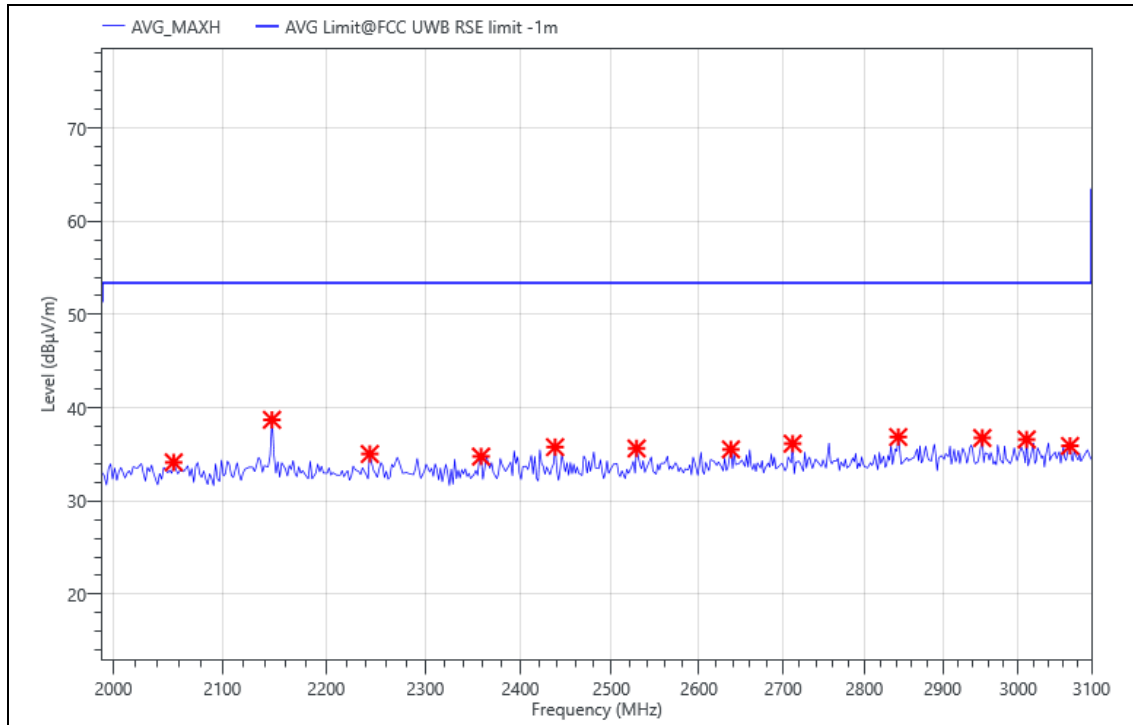
Mode:	7987.2MHz
Power:	DC 57V
TE:	Berny
Date	2025/07/18
T/A/P	23.3°C/51%/101Kpa



Critical_Freqs

No.	Freq. (MHz)	Reading (dBμV)	Corr. (dB)	Meas. (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Det.	Pol.
1	1627.100	50.84	-21.55	29.29	51.44	22.15	AVG	V
2	1649.900	50.08	-21.27	28.81	51.44	22.63	AVG	V
3	1687.900	52.54	-20.95	31.59	51.44	19.85	AVG	V
4	1703.733	51.04	-20.83	30.21	51.44	21.23	AVG	V
5	1745.533	50.81	-20.53	30.28	51.44	21.16	AVG	V
6	1782.267	52.37	-20.16	32.21	51.44	19.23	AVG	V
7	1812.667	53.00	-19.96	33.04	51.44	18.40	AVG	V
8	1861.433	53.30	-19.59	33.71	51.44	17.73	AVG	V
9	1886.767	52.78	-19.37	33.41	51.44	18.03	AVG	V
10	1919.700	52.18	-19.06	33.12	51.44	18.32	AVG	V
11	1936.167	52.77	-18.91	33.86	51.44	17.58	AVG	V
12	1969.733	51.59	-18.62	32.97	51.44	18.47	AVG	V

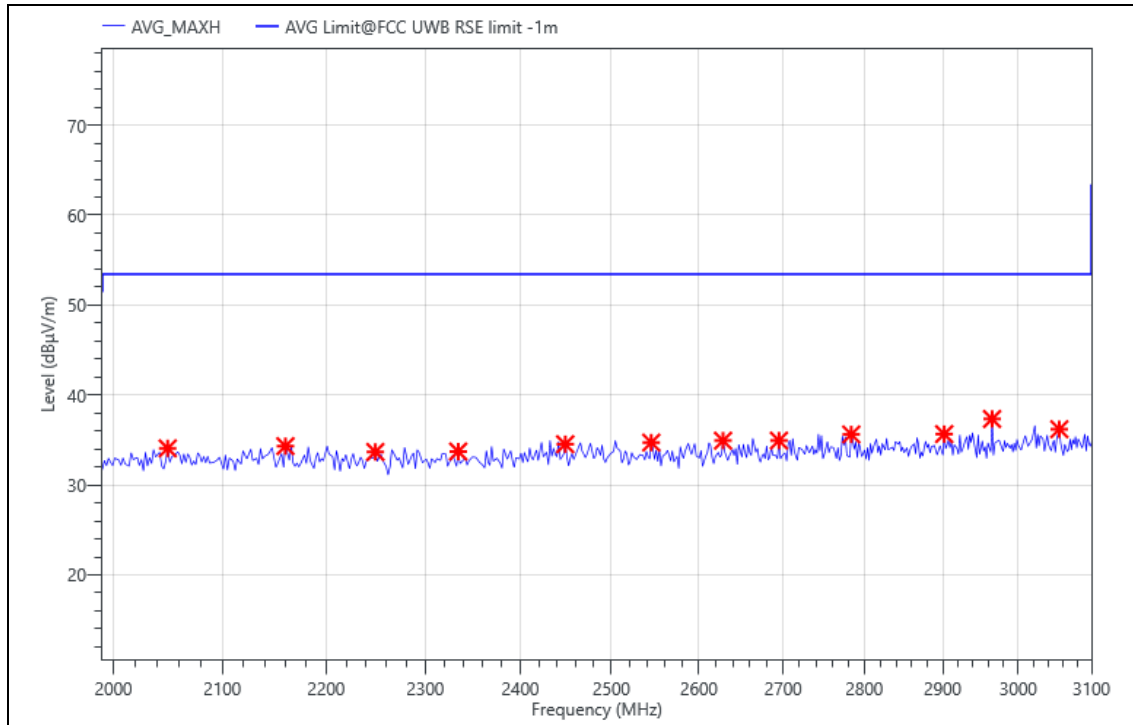
Mode:	7987.2MHz
Power:	DC 57V
TE:	Berny
Date	2025/07/18
T/A/P	23.3°C/51%/101Kpa



Critical_Freqs

No.	Freq. (MHz)	Reading (dBμV)	Corr. (dB)	Meas. (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Det.	Pol.
1	2054.750	52.36	-18.21	34.15	53.44	19.29	AVG	V
2	2147.250	56.70	-17.99	38.71	53.44	14.73	AVG	V
3	2243.450	52.91	-17.87	35.04	53.44	18.40	AVG	V
4	2358.150	52.20	-17.43	34.77	53.44	18.67	AVG	V
5	2437.700	53.03	-17.25	35.78	53.44	17.66	AVG	V
6	2528.350	52.76	-17.12	35.64	53.44	17.80	AVG	V
7	2637.500	52.36	-16.82	35.54	53.44	17.90	AVG	V
8	2711.500	53.01	-16.86	36.15	53.44	17.29	AVG	V
9	2842.850	53.35	-16.49	36.86	53.44	16.58	AVG	V
10	2952.000	52.65	-15.89	36.76	53.44	16.68	AVG	V
11	3011.200	52.31	-15.71	36.60	53.44	16.84	AVG	V
12	3070.400	51.52	-15.61	35.91	53.44	17.53	AVG	V

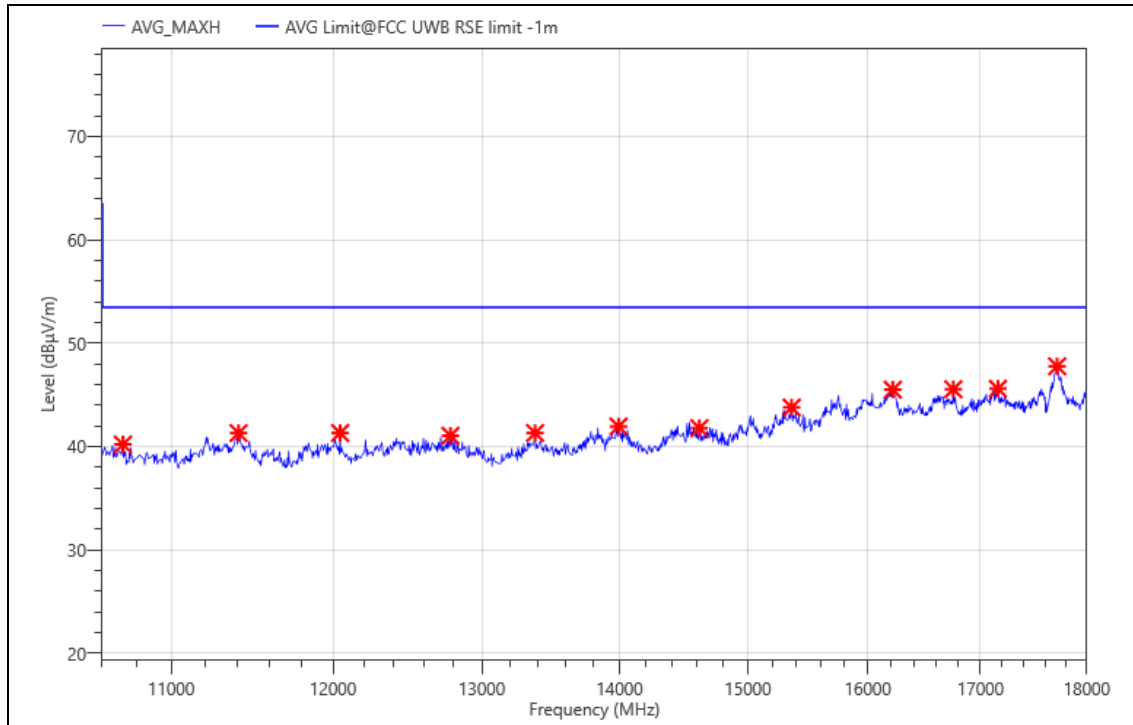
Mode:	7987.2MHz
Power:	DC 57V
TE:	Berny
Date	2025/07/18
T/A/P	23.3°C/51%/101Kpa



Critical_Freqs

No.	Freq. (MHz)	Reading (dBμV)	Corr. (dB)	Meas. (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Det.	Pol.
1	2049.200	52.30	-18.23	34.07	53.44	19.37	AVG	H
2	2160.200	52.30	-17.98	34.32	53.44	19.12	AVG	H
3	2249.000	51.54	-17.87	33.67	53.44	19.77	AVG	H
4	2334.100	51.33	-17.61	33.72	53.44	19.72	AVG	H
5	2448.800	51.83	-17.3	34.53	53.44	18.91	AVG	H
6	2545.000	51.72	-17	34.72	53.44	18.72	AVG	H
7	2628.250	51.81	-16.88	34.93	53.44	18.51	AVG	H
8	2694.850	51.87	-16.93	34.94	53.44	18.50	AVG	H
9	2783.650	52.39	-16.77	35.62	53.44	17.82	AVG	H
10	2902.050	51.78	-16.12	35.66	53.44	17.78	AVG	H
11	2964.950	53.29	-15.95	37.34	53.44	16.10	AVG	H
12	3055.600	51.89	-15.69	36.20	53.44	17.24	AVG	H

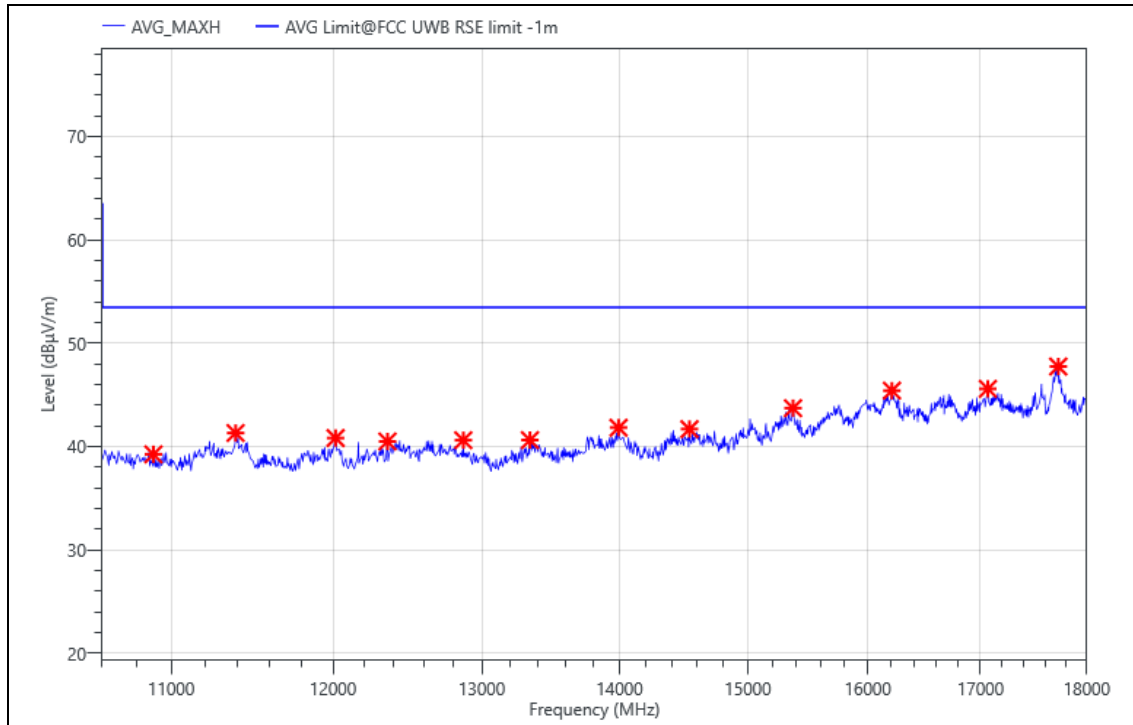
Mode:	7987.2MHz
Power:	DC 57V
TE:	Berny
Date	2025/07/18
T/A/P	23.3°C/51%/101Kpa



Critical_Freqs

No.	Freq. (MHz)	Reading (dBμV)	Corr. (dB)	Meas. (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Det.	Pol.
1	10718.400	45.20	-5	40.20	53.44	13.24	AVG	H
2	11406.600	45.40	-4.1	41.30	53.44	12.14	AVG	H
3	12046.700	45.61	-4.3	41.31	53.44	12.13	AVG	H
4	12783.000	45.29	-4.25	41.04	53.44	12.40	AVG	H
5	13378.700	45.56	-4.25	41.31	53.44	12.13	AVG	H
6	13992.900	45.10	-3.16	41.94	53.44	11.50	AVG	H
7	14614.500	45.03	-3.25	41.78	53.44	11.66	AVG	H
8	15358.200	46.69	-2.91	43.78	53.44	9.66	AVG	H
9	16216.600	45.88	-0.38	45.50	53.44	7.94	AVG	H
10	16753.100	46.99	-1.45	45.54	53.44	7.90	AVG	H
11	17160.100	46.15	-0.56	45.59	53.44	7.85	AVG	H
12	17715.100	47.43	0.33	47.76	53.44	5.68	AVG	H

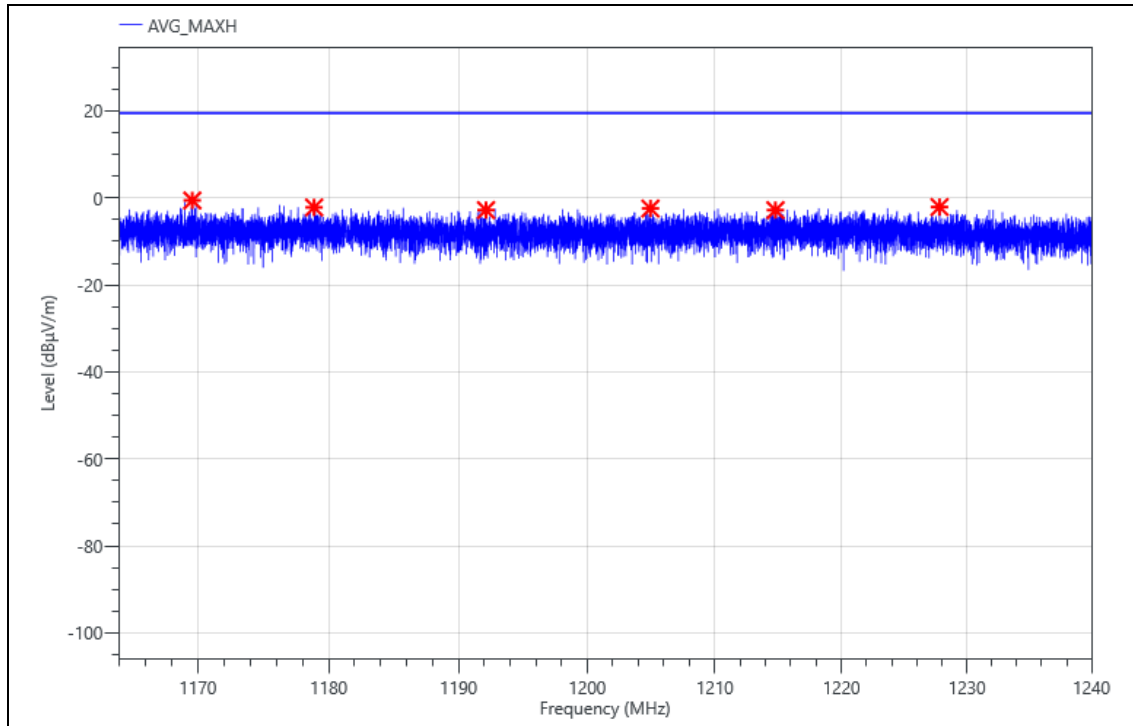
Mode:	7987.2MHz
Power:	DC 57V
TE:	Berny
Date	2025/07/18
T/A/P	23.3°C/51%/101Kpa



Critical_Freqs

No.	Freq. (MHz)	Reading (dBμV)	Corr. (dB)	Meas. (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Det.	Pol.
1	10896.000	44.44	-5.2	39.24	53.44	14.20	AVG	V
2	11388.100	45.62	-4.31	41.31	53.44	12.13	AVG	V
3	12017.100	44.66	-3.84	40.82	53.44	12.62	AVG	V
4	12357.500	45.58	-5.09	40.49	53.44	12.95	AVG	V
5	12871.800	44.89	-4.28	40.61	53.44	12.83	AVG	V
6	13341.700	45.15	-4.53	40.62	53.44	12.82	AVG	V
7	13992.900	44.98	-3.16	41.82	53.44	11.62	AVG	V
8	14536.800	44.69	-3.01	41.68	53.44	11.76	AVG	V
9	15369.300	46.55	-2.84	43.71	53.44	9.73	AVG	V
10	16209.200	45.78	-0.37	45.41	53.44	8.03	AVG	V
11	17067.600	46.36	-0.78	45.58	53.44	7.86	AVG	V
12	17726.200	47.23	0.51	47.74	53.44	5.70	AVG	V

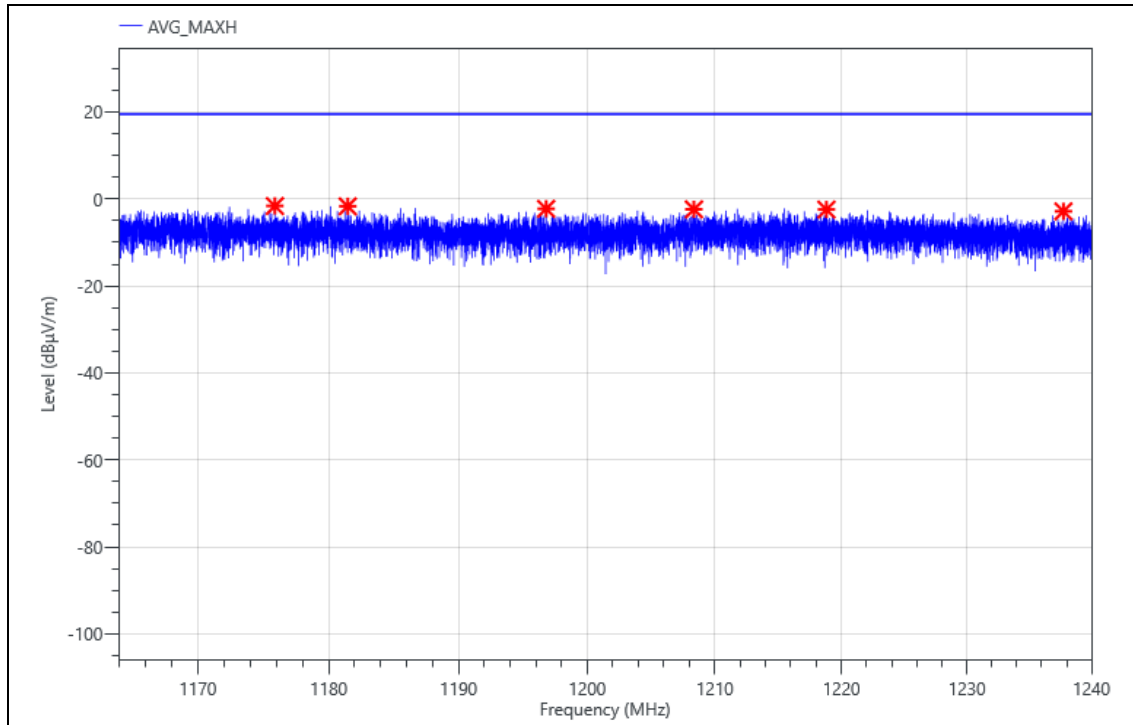
Mode:	7987.2MHz
Power:	DC 57V
TE:	Berny
Date	2025/07/23
T/A/P	23.3°C/51%/101Kpa



Critical_Freqs

No.	Freq. (MHz)	Reading (dBμV)	Corr. (dB)	Meas. (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Det.	Pol.
1	1169.586	22.35	-22.92	-0.57	19.44	20.01	AVG	H
2	1178.883	20.67	-22.83	-2.16	19.44	21.60	AVG	H
3	1192.133	19.92	-22.7	-2.78	19.44	22.22	AVG	H
4	1204.945	20.24	-22.66	-2.42	19.44	21.86	AVG	H
5	1214.781	19.96	-22.75	-2.79	19.44	22.23	AVG	H
6	1227.808	20.76	-22.84	-2.08	19.44	21.52	AVG	H

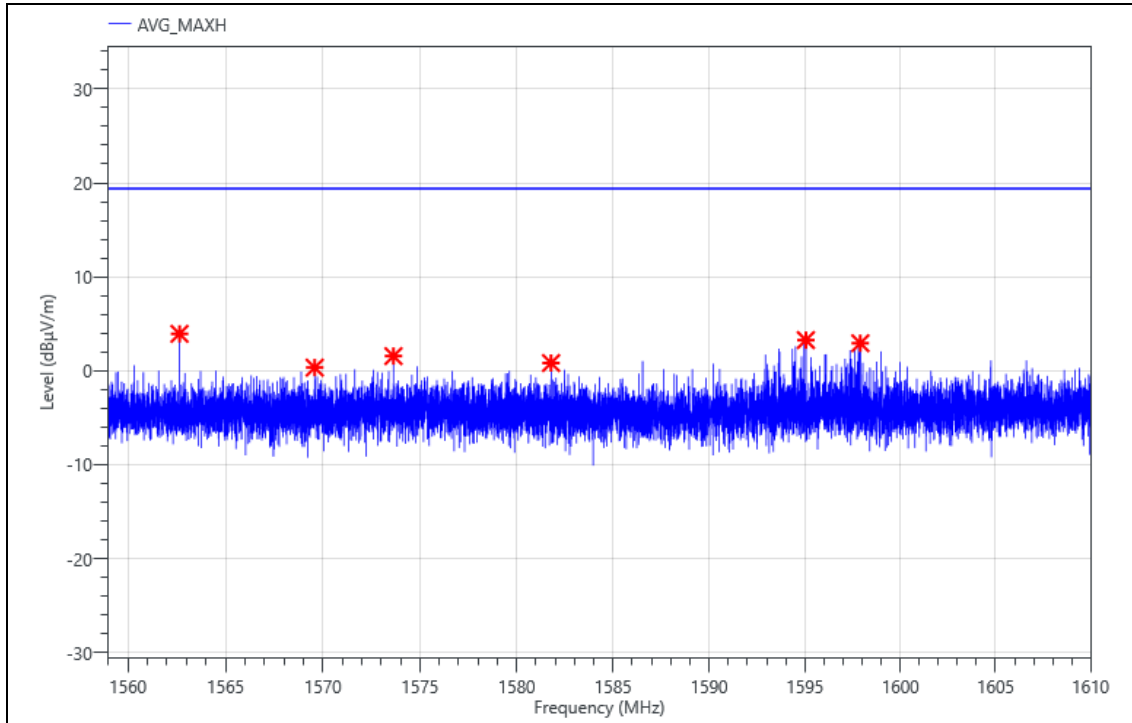
Mode:	7987.2MHz
Power:	DC 57V
TE:	Berny
Date	2025/07/23
T/A/P	23.3°C/51%/101Kpa



Critical_Freqs

No.	Freq. (MHz)	Reading (dBμV)	Corr. (dB)	Meas. (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Det.	Pol.
1	1175.881	21.25	-22.86	-1.61	19.44	21.05	AVG	V
2	1181.461	21.12	-22.81	-1.69	19.44	21.13	AVG	V
3	1196.800	20.40	-22.65	-2.25	19.44	21.69	AVG	V
4	1208.359	20.31	-22.69	-2.38	19.44	21.82	AVG	V
5	1218.815	20.35	-22.78	-2.43	19.44	21.87	AVG	V
6	1237.739	19.96	-22.8	-2.84	19.44	22.28	AVG	V

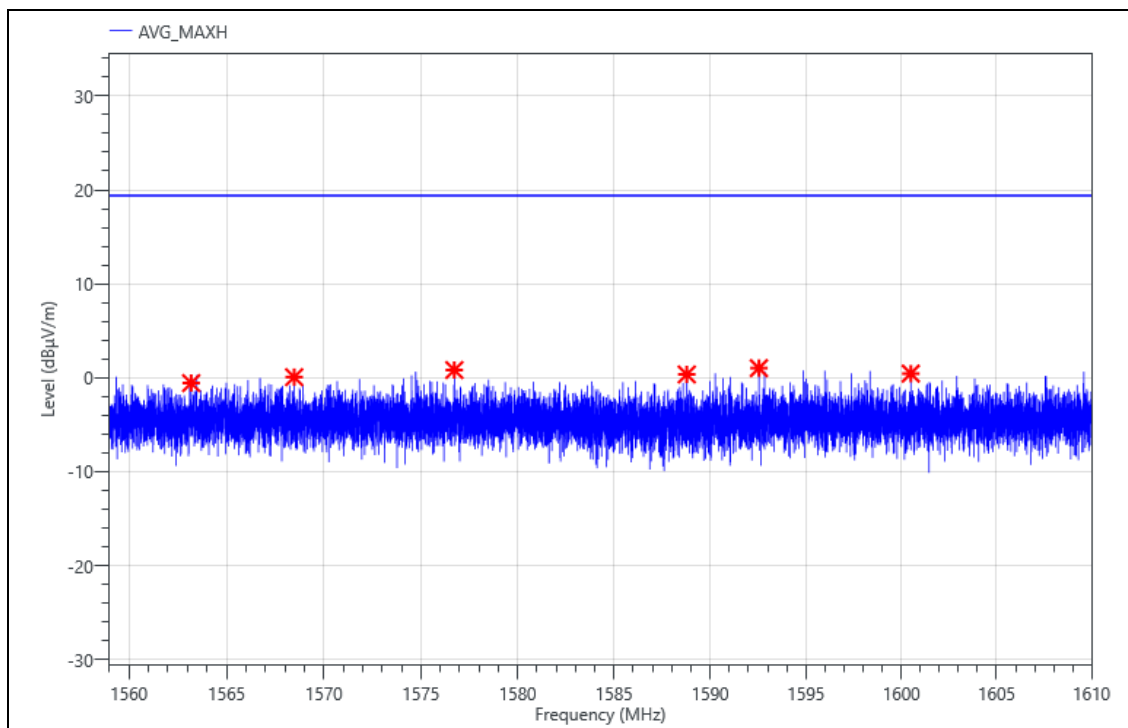
Mode:	7987.2MHz
Power:	DC 57V
TE:	Berny
Date	2025/07/23
T/A/P	23.3°C/51%/101Kpa



Critical_Freqs

No.	Freq. (MHz)	Reading (dBμV)	Corr. (dB)	Meas. (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Det.	Pol.
1	1562.647	25.91	-21.98	3.93	19.44	15.51	AVG	V
2	1569.583	22.26	-21.93	0.33	19.44	19.11	AVG	V
3	1573.637	23.46	-21.9	1.56	19.44	17.88	AVG	V
4	1581.789	22.65	-21.83	0.82	19.44	18.62	AVG	V
5	1595.053	25.00	-21.74	3.26	19.44	16.18	AVG	V
6	1597.900	24.65	-21.72	2.93	19.44	16.51	AVG	V

Mode:	7987.2MHz
Power:	DC 57V
TE:	Berny
Date	2025/07/23
T/A/P	23.3°C/51%/101Kpa



Critical_Freqs

No.	Freq. (MHz)	Reading (dBμV)	Corr. (dB)	Meas. (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Det.	Pol.
1	1563.191	21.41	-21.98	-0.57	19.44	20.01	AVG	H
2	1568.478	22.00	-21.94	0.06	19.44	19.38	AVG	H
3	1576.731	22.69	-21.87	0.82	19.44	18.62	AVG	H
4	1588.788	22.13	-21.78	0.35	19.44	19.09	AVG	H
5	1592.545	22.78	-21.76	1.02	19.44	18.42	AVG	H
6	1600.493	22.14	-21.7	0.44	19.44	19.00	AVG	H

Note: 1. The frequency, which started from 18 GHz to 40GHz, was pre-scanned and the result which was 20dB lower than the limit line was not reported.

2. Test distance is 1m.

8. PEAK EMISSIONS WITHIN A 50MHZ BANDWIDTH

LIMITS

Please refer to FCC §15.517 (e)

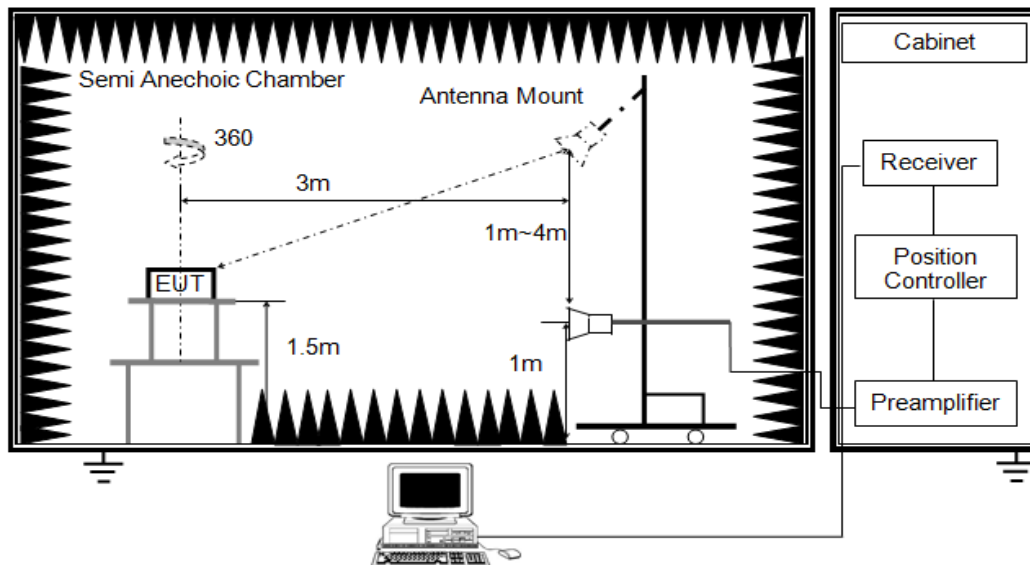
There is a limit on the peak level of the emissions contained within a 50 MHz bandwidth centered on the frequency at which the highest radiated emission occurs, fM. That limit is 0 dBm EIRP. It is acceptable to employ a different resolution bandwidth, and a correspondingly different peak emission limit, following the procedures described in §15.521.

According to FCC §15.521 (g)

When a peak measurement is required, it is acceptable to use a resolution bandwidth other than the 50 MHz specified in this subpart. This resolution bandwidth shall not be lower than 1 MHz or greater than 50 MHz, and the measurement shall be centered on the frequency at which the highest radiated emission occurs, fM. If a resolution bandwidth other than 50 MHz is employed, the peak EIRP limit shall be $20 \log (RBW/50)$ dBm where RBW is the resolution bandwidth in megahertz that is employed. This may be converted to a peak field strength level at 3 meters using $E(\text{dBuV/m}) = P(\text{dBm EIRP}) + 95.2$.

When the test RBW = 1MHz, the 0 dBm EIRP limit should be $0 + 20 \log (1/50) = -33.98 \text{ dBm}$

TEST SETUP AND PROCEDURE



- 1). The EUT was powered ON and placed on a 1.5m high table in a semi-anechoic chamber.
- 2). Adjust the settings of the Universal Radio Communication Tester to set the EUT to its maximum power at the required channel.
- 3). Set the spectrum analyzer to the channel frequency. Set the analyzer to measure peak hold with the required settings.
- 4). The disturbance of the transmitter was maximized on the test receiver display by raising and lowering from 1m to 4m the receive antenna and by rotating through 360° the turntable. After the

fundamental emission was maximized, a field strength measurement was made.

4. The EUT was set 1 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.

5. Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level

6. This may be converted to a peak field strength level at 3 meters using $E(\text{dBuV/m}) = P(\text{dBm EIRP}) + 95.2$.

7. The spectral characterization of a UWB device shall begin with a peak-detected radiated measurement because the results obtained from this measurement could preclude the need for subsequent average measurements. For example, if the data collected from the peak-power measurement show that the radiated emissions levels are equal to, or less than, the applicable emissions limit, then these data are adequate to determine compliance. This is predicated on the fact that the average levels are always less than, or equal to, the peak signal level.

The peak detector of the instrument is selected and the maximum hold feature activated. The RBW is set to 1 MHz and the VBW is set to at least 1 MHz (3 MHz is recommended).

8. It is acceptable to employ an RBW of less than 50 MHz (but no less than 1 MHz) when performing the required peak power measurements. When this approach is employed, the peak emissions EIRP limit (0 dBm / 50 MHz) is converted to a limit commensurate with the RBW by employing a $[20 \log (\text{RBW}/50 \text{ MHz})]$ relationship. For example, the peak power limit could be expressed in a 1 MHz bandwidth as follows in Equation (28):

$$\text{EIRP}_{1\text{ MHz}} = \text{EIRP}_{50\text{ MHz}} + 20 \log (1 \text{ MHz}/50 \text{ MHz}) = 0 \text{ dBm} + (-34 \text{ dB}) = -34 \text{ dBm}$$

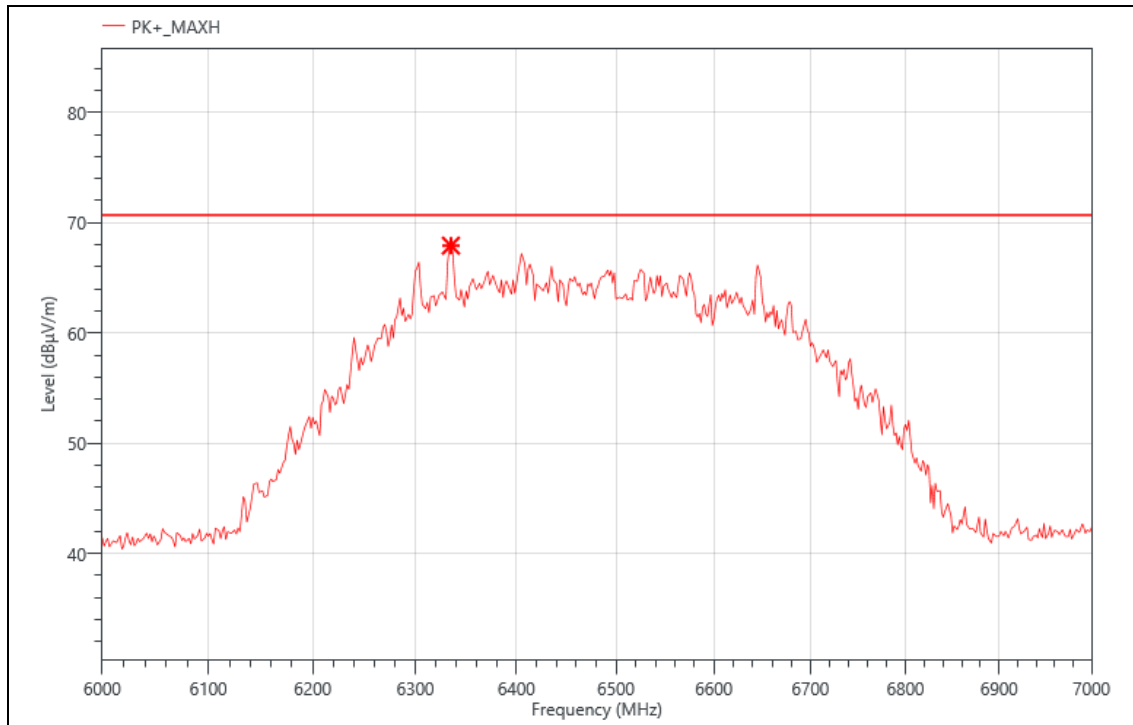
When a resolution bandwidth of less than 50 MHz is used, this measurement shall be performed over a 50 MHz span centered on the frequency associated with the highest detected average emission level.

TEST ENVIRONMENT

Temperature	23.3°C	Relative Humidity	51%
Atmosphere Pressure	101kPa		

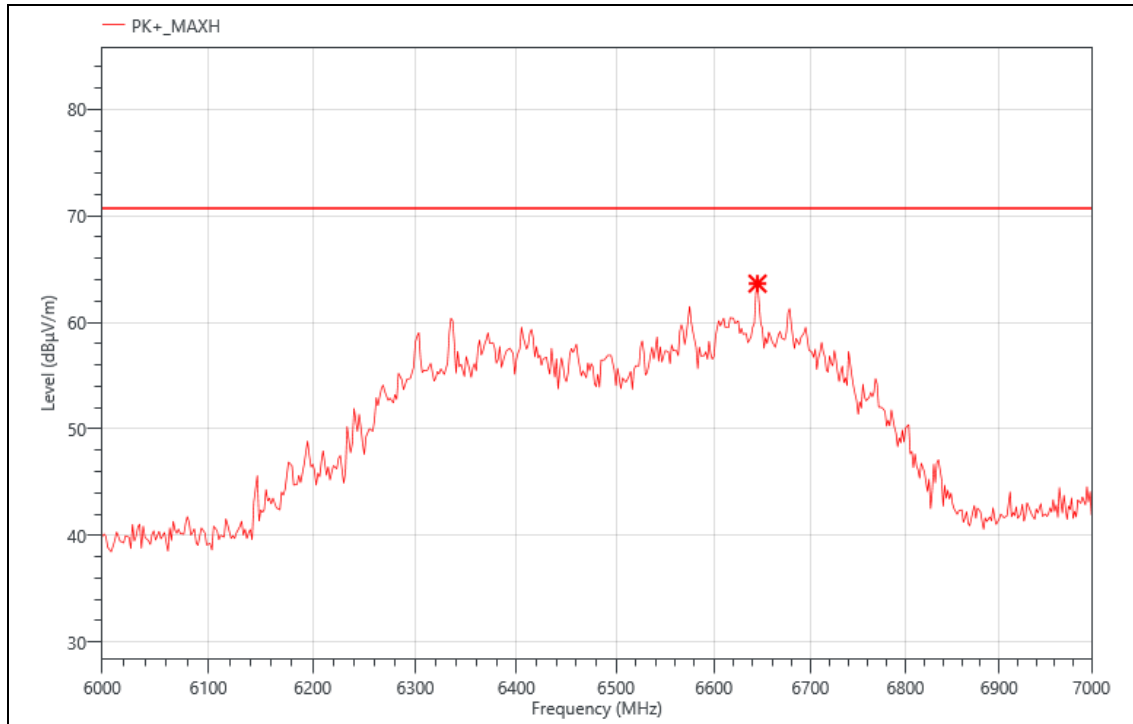
RESULTS

Mode:	6489.6 MHz
Power:	DC 57V
TE:	Berny
Date	2025/07/23
T/A/P	23.3°C/51%/101Kpa

**Critical_Freqs**

No.	Freq. (MHz)	Reading (dBμV)	Corr. (dB)	Meas. (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Det.	Pol.
1	6335.000	76.10	-8.18	67.92	70.74	2.82	PK+	V

Mode:	6489.6 MHz
Power:	DC 57V
TE:	Berny
Date	2025/07/23
T/A/P	23.3°C/51%/101Kpa



Critical_Freqs

No.	Freq. (MHz)	Reading (dBμV)	Corr. (dB)	Meas. (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Det.	Pol.
1	6645.000	71.96	-8.32	63.64	70.74	7.10	PK+	H

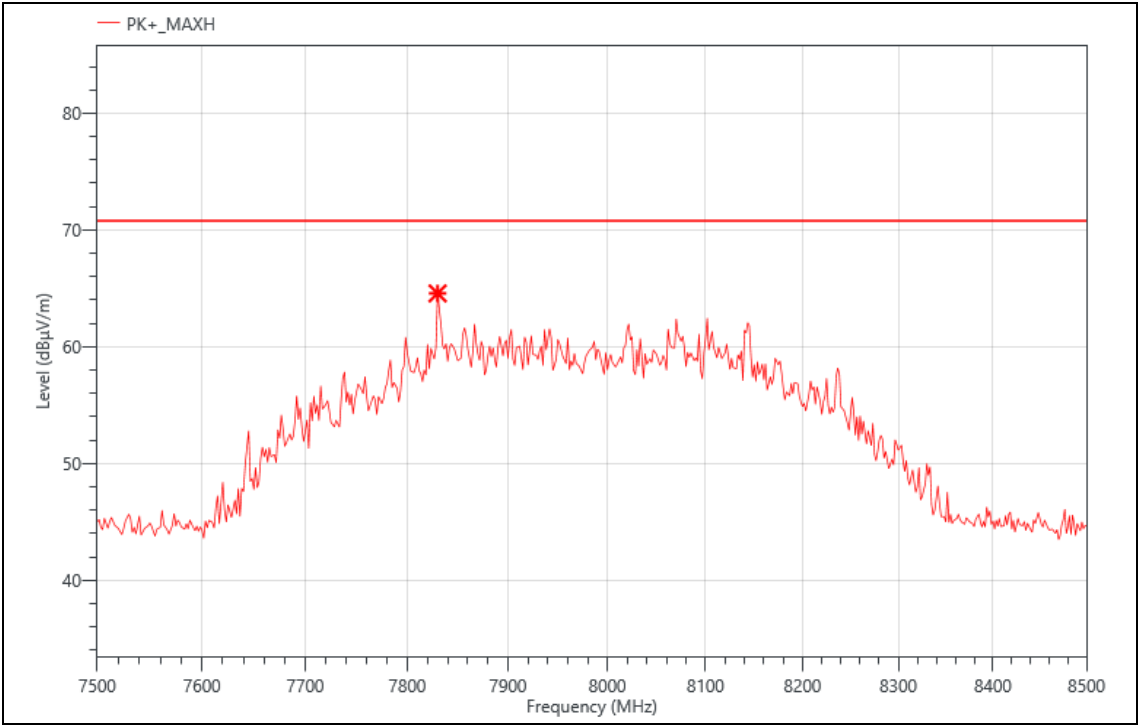
Note:

- 67.92 dBμV/m is 1m Test Results.
 - $67.92 \text{ dBμV/m} - 20 \cdot \log(3/1) = 67.92 - 9.54 = 58.38 \text{ dBμV/m@ 3m}$
 - $58.38 \text{ dBμV/m} - 95.2 = -36.82 \text{ dBm/1Mhz}$, $-36.82 \text{ dBm/1Mhz} + 34 = -2.82 \text{ dBm/50MHz}$.
- Limit is 0dBm/50MHz

$$E(\text{dBuV/m})@3\text{m} = P(\text{dBm EIRP}) + 95.2$$

$$E(\text{dBuV/m})@1\text{m} = E(\text{dBuV/m})@3\text{m} + 20 \cdot \log(3/1)$$

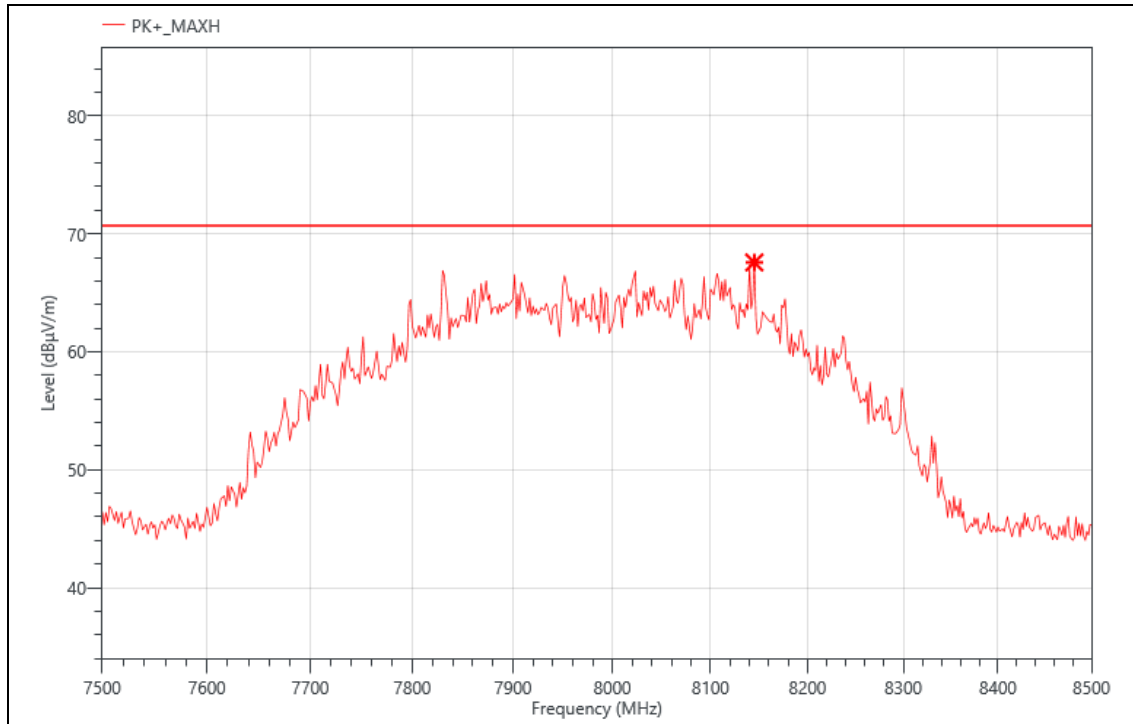
Mode:	7987.2 MHz
Power:	DC 57V
TE:	Berny
Date	2025/07/23
T/A/P	23.3°C/51%/101Kpa



Critical_Freqs

No.	Freq. (MHz)	Reading (dBµV)	Corr. (dB)	Meas. (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Det.	Pol.
1	7830.000	72.35	-7.78	64.57	70.74	6.17	PK+	H

Mode:	7987.2 MHz
Power:	DC 57V
TE:	Berny
Date	2025/07/23
T/A/P	23.3°C/51%/101Kpa



Critical_Freqs

No.	Freq. (MHz)	Reading (dBμV)	Corr. (dB)	Meas. (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Det.	Pol.
1	8145.000	75.88	-8.3	67.58	70.74	3.16	PK+	V

Note:

- 67.58 dBμV/m is 1m Test Results.
 - $67.58 \text{ dBμV/m} - 20 \cdot \log(3/1) = 67.58 - 9.54 = 58.04 \text{ dBμV/m@ 3m}$
 - $58.04 \text{ dBμV/m} - 95.2 = -37.16 \text{ dBm/1Mhz}$, $-37.16 \text{ dBm/1Mhz} + 34 = -3.16 \text{ dBm/50MHz}$.
- Limit is 0dBm/50MHz

$E(\text{dBuV/m})@3\text{m} = P(\text{dBm EIRP}) + 95.2$

$E(\text{dBuV/m})@1\text{m} = E(\text{dBuV/m})@3\text{m} + 20 \cdot \log(3/1)$

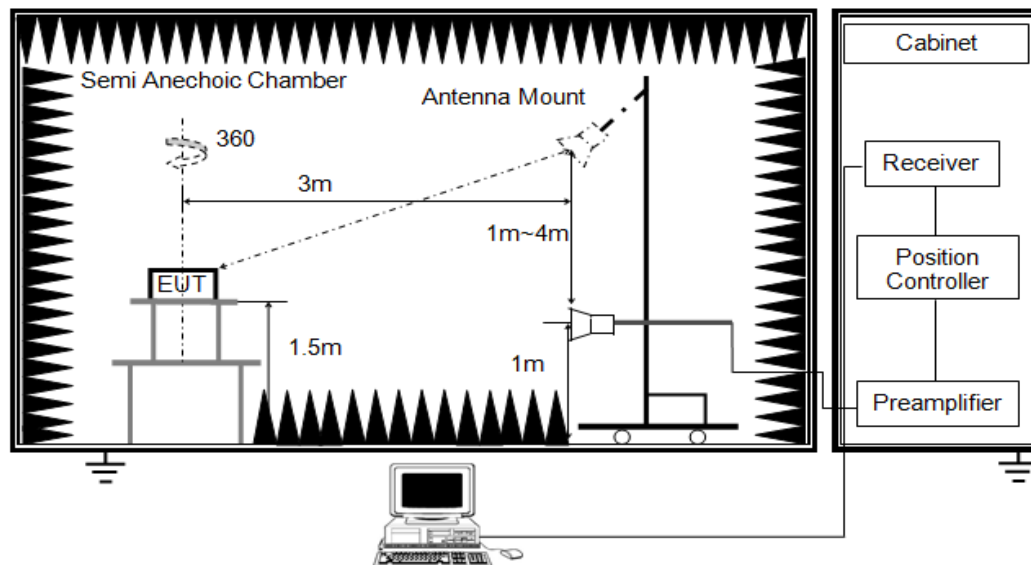
9. 10dBc UWB BANDWIDTH

LIMITS

The UWB bandwidth of a UWB system operating under the provisions of this section must be contained between 3100 MHz and 10,600 MHz.

At any point in time, has a fractional bandwidth equal to or greater than 0.20 or has a UWB bandwidth equal to or greater than 500 MHz, regardless of the fractional bandwidth.

TEST SETUP AND PROCEDURE



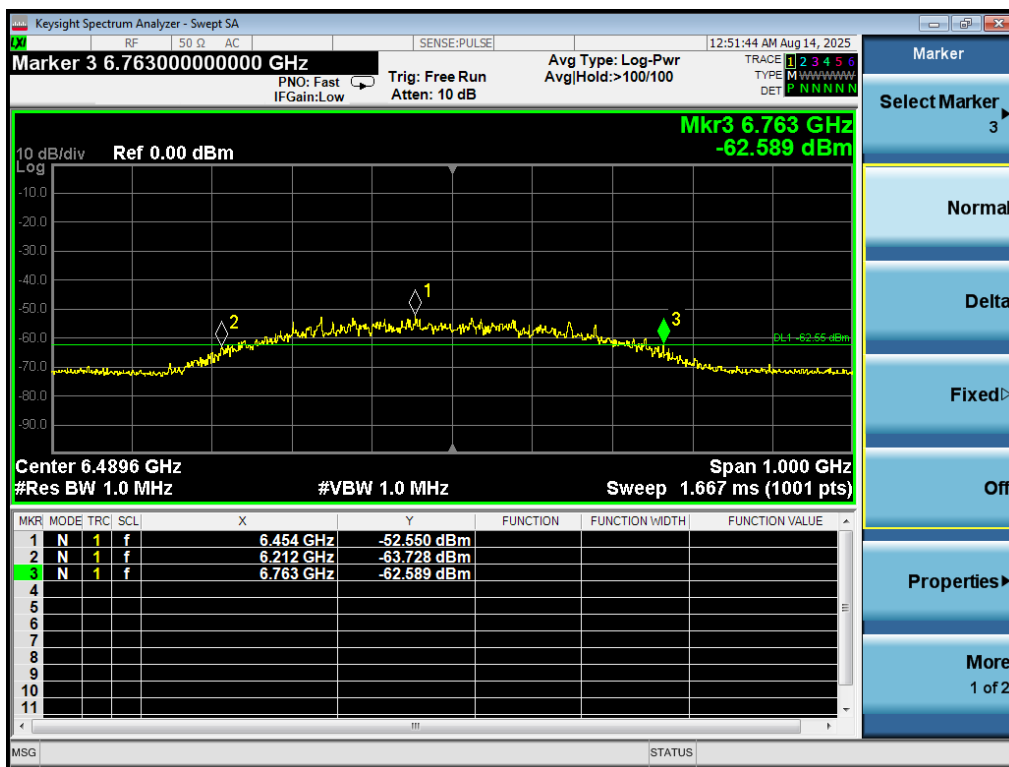
- For the lowest frequency bound f_L , the emission is searched from a frequency lower than f_M that has, by inspection, a peak power much lower than 10 dB less than the power at f_M and increased toward f_M until the peak power indicates 10 dB less than the power at f_M . The frequency of that segment is recorded.
- This process is repeated for the highest frequency bound f_H , beginning at a frequency higher than f_M that has, by inspection, a peak power much lower than 10 dB below the power at f_M . The frequency of that segment is recorded.
- The two recorded frequencies represent the highest f_H and lowest f_L bounds of the UWB transmission, and the -10 dB bandwidth (B_{-10}) is defined as $(f_H - f_L)$.⁸² The center frequency (f_c) is mathematically determined from $(f_H - f_L) / 2$.
- The fractional bandwidth is defined as $2(f_H - f_L) / (f_H + f_L)$.
- Determine whether the -10 dB bandwidth $(f_H - f_L)$ is ≥ 500 MHz, or whether the fractional bandwidth $2(f_H - f_L) / (f_H + f_L)$ is ≥ 0.2 .

TEST ENVIRONMENT

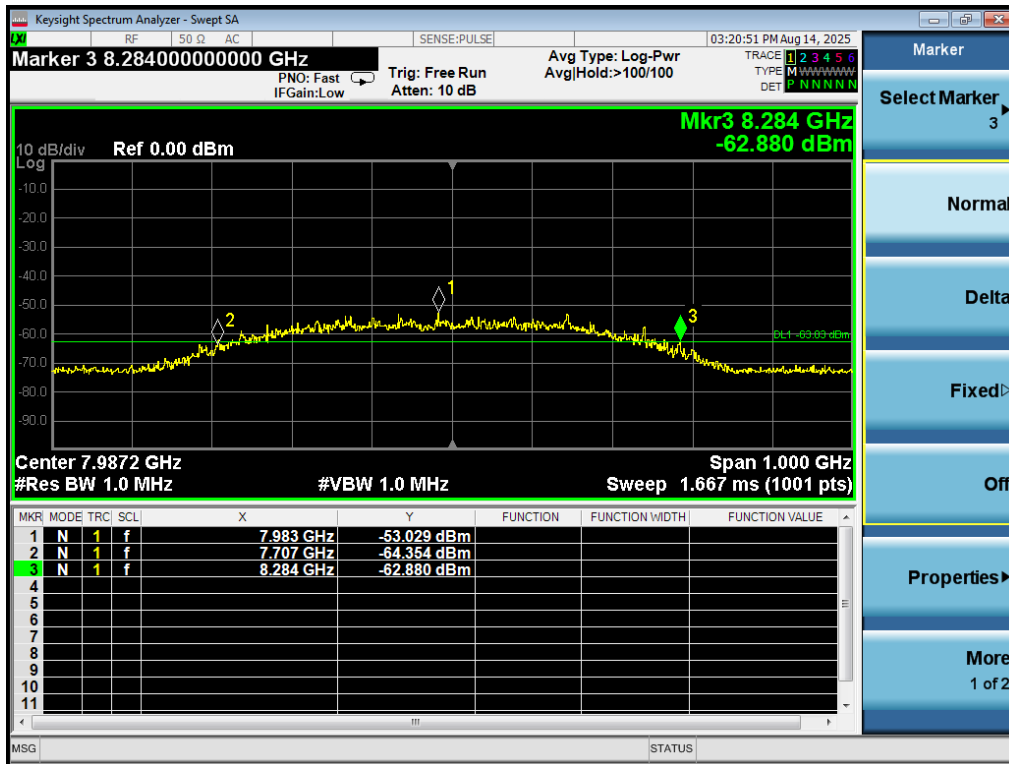
Temperature	24.6°C	Relative Humidity	52%
Atmosphere Pressure	101kPa		

RESULTS

Test Channel	f_M (MHz)	f_L (MHz)	f_H (MHz)	-10dB Bandwidth (MHz)	f_c (MHz)	Limit	Result
CH5	6489.6	6212	6763	551	6487.5	-10dB Bandwidth $\geq$ 500MHz	Pass
CH9	7987.2	7707	8284	577	7995.5	-10dB Bandwidth $\geq$ 500MHz	Pass

CH 5

CH 9



10. AC POWER LINE CONDUCTED EMISSION

LIMITS

Please refer to CFR 47 FCC §15.207 (a)

FREQUENCY (MHz)	Quasi-peak	Average
0.15 -0.5	66 - 56 *	56 - 46 *
0.50 -5.0	56.00	46.00
5.0 -30.0	60.00	50.00

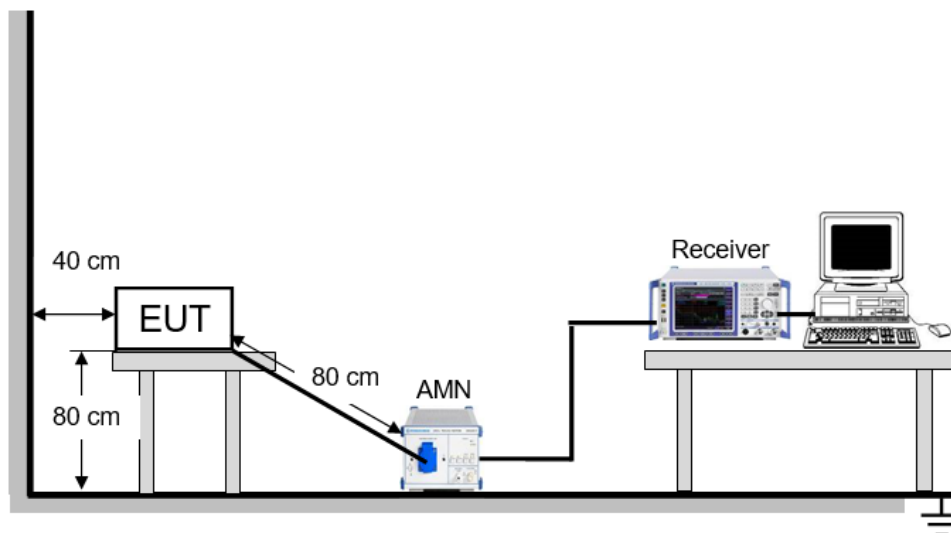
TEST PROCEDURE

Refer to ANSI C63.10-2020 clause 6.2.

The EUT is put on a table of non-conducting material that is 80 cm high. The vertical conducting wall of shielding is located 40 cm to the rear of the EUT. The power line of the EUT is connected to the AC mains through a Artificial Mains Network (A.M.N.). A EMI Measurement Receiver is used to test the emissions from the AC line. According to the requirements in Section 6.2 of ANSI C63.10-2020. Conducted emissions from the EUT measured in the frequency range between 0.15 MHz and 30 MHz using CISPR Quasi-Peak and average detector mode. The bandwidth of EMI test receiver is set at 9 kHz.

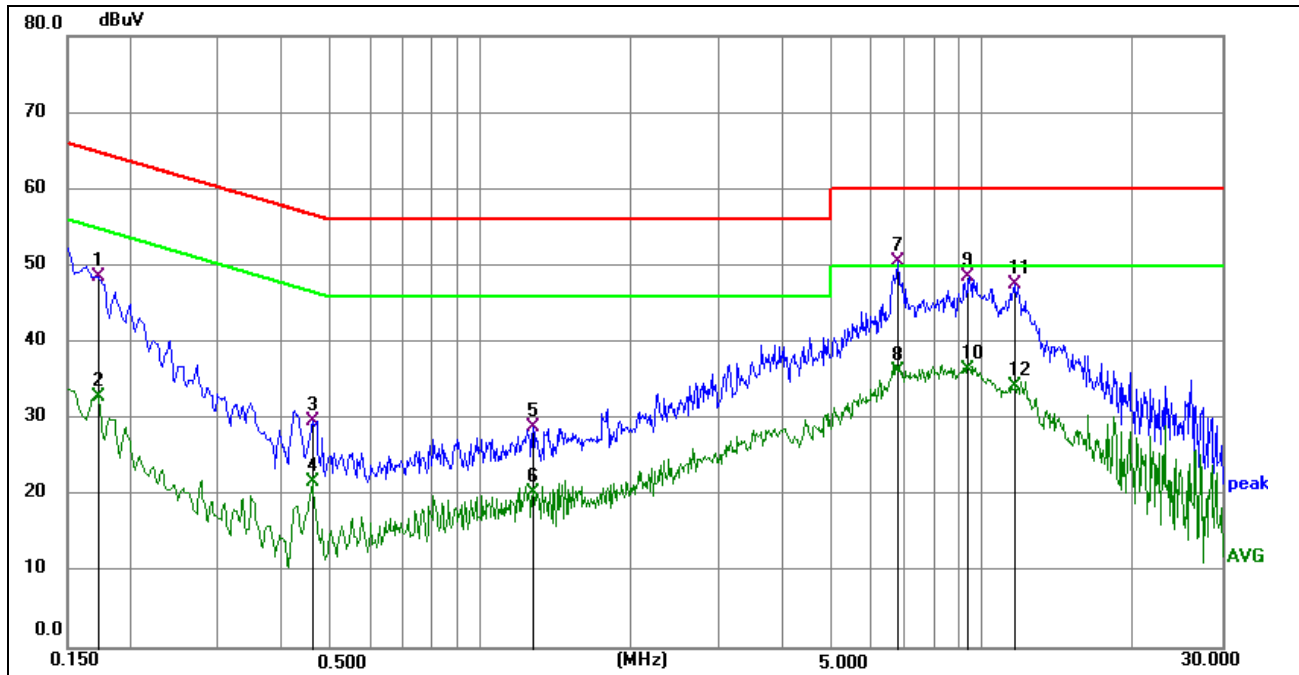
The arrangement of the equipment is installed to meet the standards and operating in a manner, which tends to maximize its emission characteristics in a normal application.

TEST SETUP



TEST ENVIRONMENT

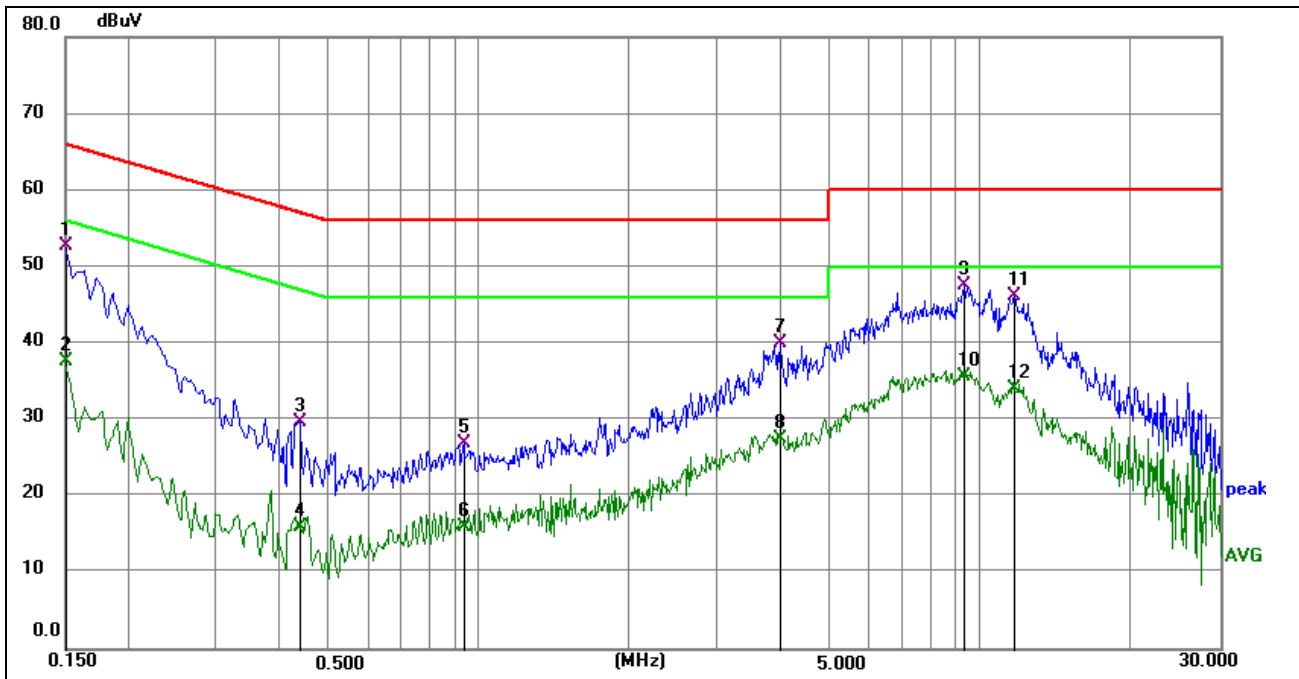
Temperature	25.3°C	Relative Humidity	52%
Atmosphere Pressure	101kPa		

TEST RESULTS

Phase: L1

Mode: 6489.6MHz

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.1725	38.77	9.77	48.54	64.84	-16.30	QP
2	0.1725	23.12	9.77	32.89	54.84	-21.95	AVG
3	0.4605	19.88	9.79	29.67	56.68	-27.01	QP
4	0.4605	11.86	9.79	21.65	46.68	-25.03	AVG
5	1.2750	19.05	9.81	28.86	56.00	-27.14	QP
6	1.2750	10.50	9.81	20.31	46.00	-25.69	AVG
7	6.7920	40.51	9.95	50.46	60.00	-9.54	QP
8	6.7920	26.35	9.95	36.30	50.00	-13.70	AVG
9	9.4379	38.57	10.06	48.63	60.00	-11.37	QP
10	9.4379	26.28	10.06	36.34	50.00	-13.66	AVG
11	11.6475	37.39	10.10	47.49	60.00	-12.51	QP
12	11.6475	24.05	10.10	34.15	50.00	-15.85	AVG



Phase: N

Mode: 6489.6MHz

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.1500	43.02	9.67	52.69	66.00	-13.31	QP
2	0.1500	27.96	9.67	37.63	56.00	-18.37	AVG
3	0.4380	20.03	9.69	29.72	57.10	-27.38	QP
4	0.4380	6.24	9.69	15.93	47.10	-31.17	AVG
5	0.9375	17.11	9.71	26.82	56.00	-29.18	QP
6	0.9375	6.20	9.71	15.91	46.00	-30.09	AVG
7	3.9930	30.25	9.75	40.00	56.00	-16.00	QP
8	3.9930	17.66	9.75	27.41	46.00	-18.59	AVG
9	9.2715	37.52	10.05	47.57	60.00	-12.43	QP
10	9.2715	25.67	10.05	35.72	50.00	-14.28	AVG
11	11.7104	36.00	10.11	46.11	60.00	-13.89	QP
12	11.7104	24.03	10.11	34.14	50.00	-15.86	AVG

Note: 1. Result = Reading + Correct Factor.

2. If QP Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 200 Hz (9 kHz ~ 150 kHz), 9 kHz (150 kHz ~ 30 MHz).

4. Step size: 80 Hz (0.009 MHz ~ 0.15 MHz), 4 kHz (0.15 MHz ~ 30 MHz), Scan time: auto.

11. ANTENNA REQUIREMENTS

APPLICABLE REQUIREMENTS

Please refer to FCC §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.

RESULTS

Pass

END OF REPORT