

CFR 47 FCC PART 15 SUBPART F

TEST REPORT

For

Anchor

MODEL NUMBER: A02P

FCC ID: 2BQV8-A02P

REPORT NUMBER: E04A25061367F00801

ISSUE DATE: November 6, 2025

Prepared for

**SZ Nooploop Technology Co.,Ltd.
Room113, 1F, B5, Qianhai Shenzhen Hong Kong Youth Dream Factory, No. 35
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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: A02P
Brand: Nooploop
Sample Received Date: July 9, 2025
Sample Status: Normal
Sample ID: A25061367 009
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:



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Project Engineer

Approved By:

Shawn Wen

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	A02P		
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	Maximum Peak Power (dBm)
6489.6~7987.2	1	2	-2.86

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	External 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

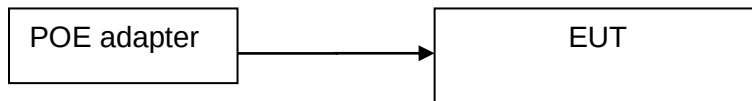
Equipment	Manufacturer	Model No.
POE adapter	Lenovo	/

TEST SETUP

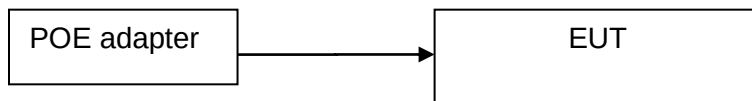
The EUT can work in engineering mode with the inside software.

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

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

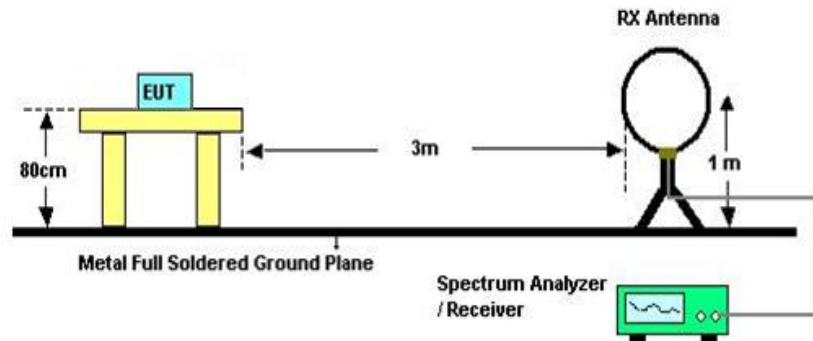
$E(\text{dBuV/m})@1\text{m}=E(\text{dBuV/m})@3\text{m}+20*\log(3/1)$

(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

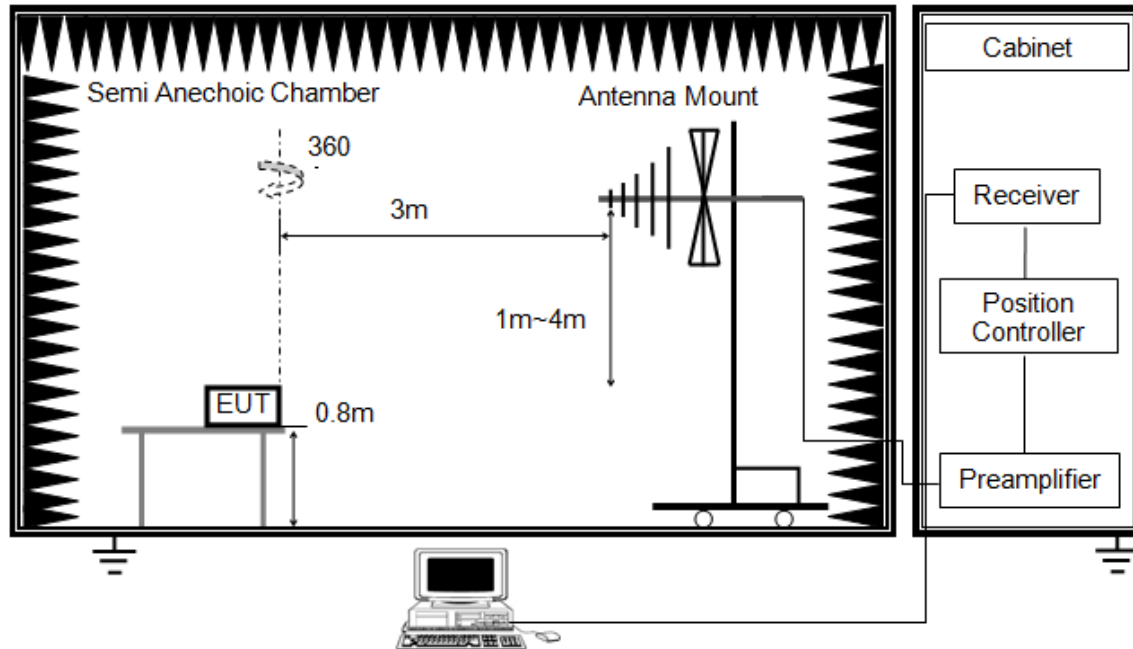


The setting of the spectrum analyser

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

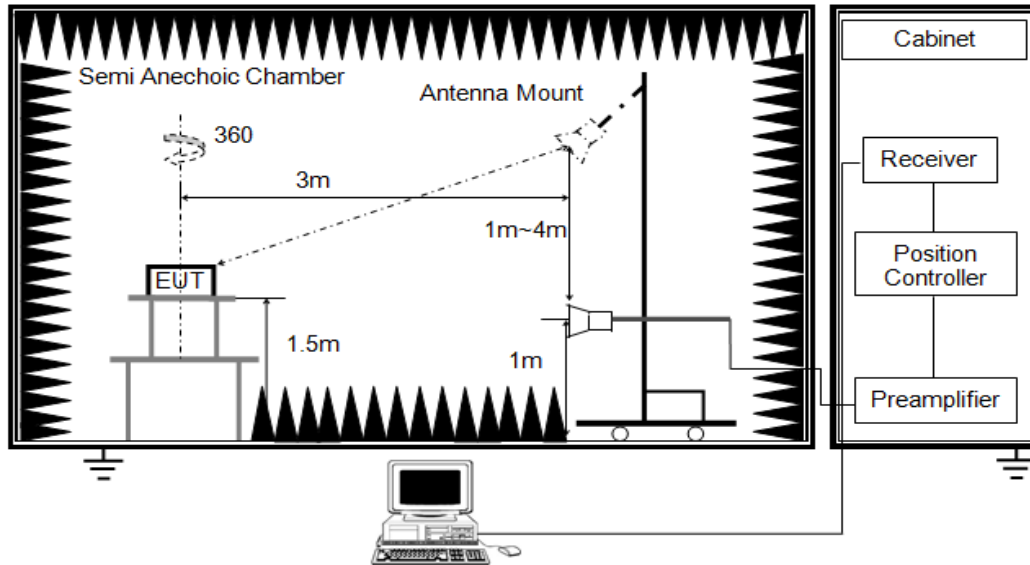


The setting of the spectrum analyser

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

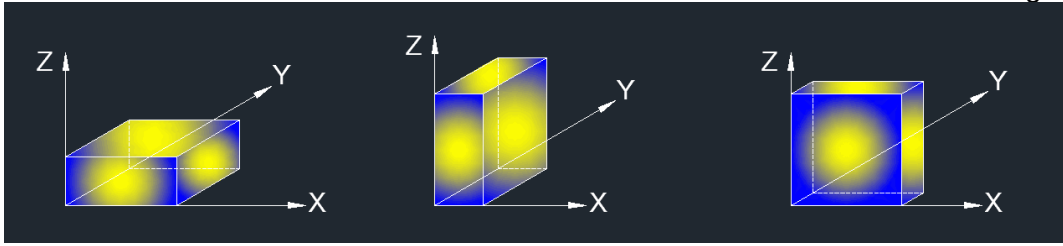


The setting of the spectrum analyser

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:



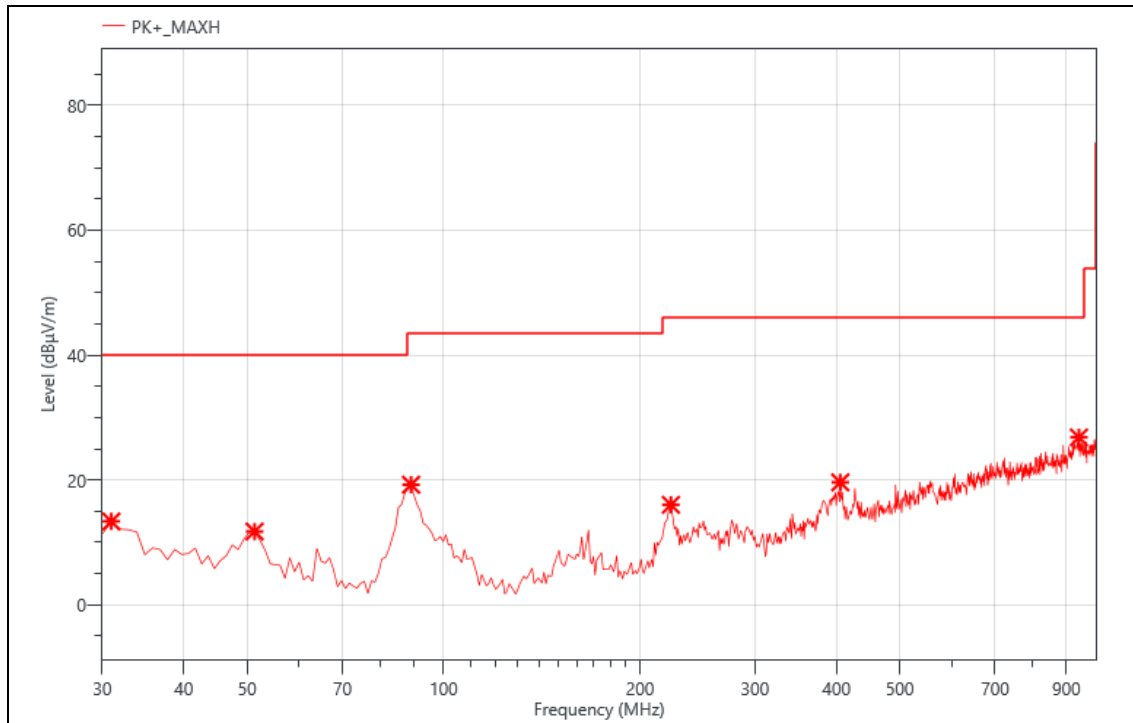
Note: For all radiated test, EUT in each of three orthogonal axis emissions had been tested, but only the worst case (X axis for horizontal and Z axis for vertical) data recorded in the report.

TEST ENVIRONMENT

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

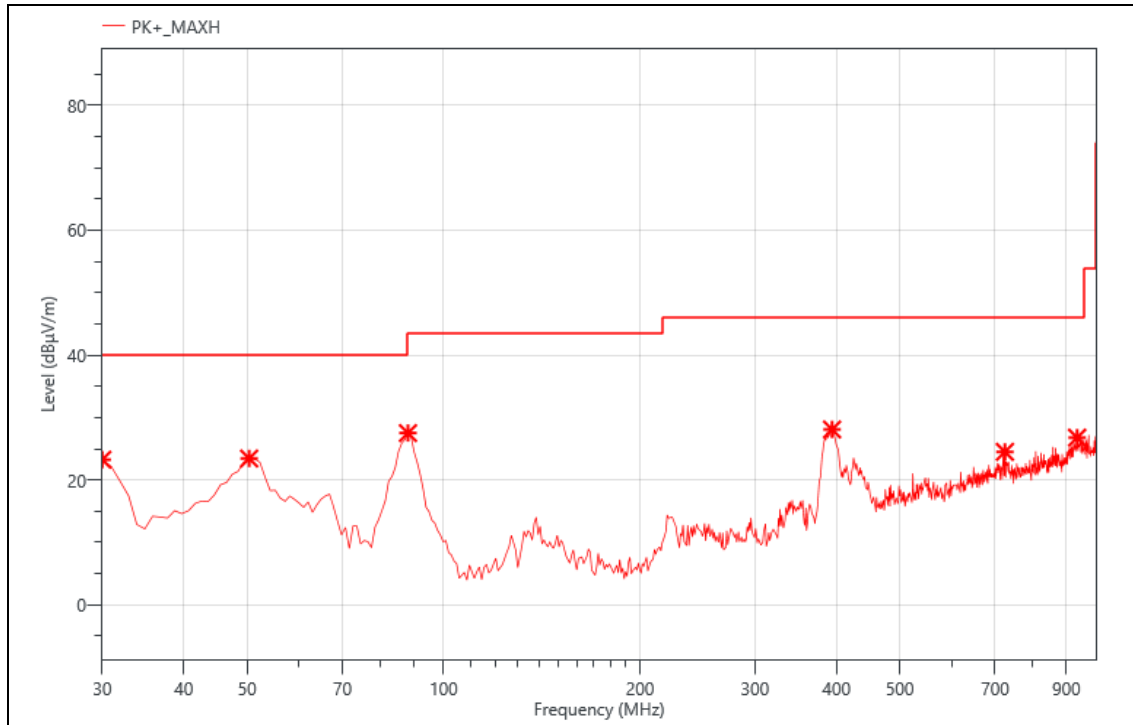
TEST RESULT - FCC PART 15 SUBPART F

Mode:	6489.6 MHz
Power:	DC 57V
TE:	Berny
Date	2025/07/23
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	30.970	28.24	-14.87	13.37	40.00	26.63	PK+	H
2	51.340	36.19	-24.44	11.75	40.00	28.25	PK+	H
3	89.170	44.52	-25.27	19.25	43.50	24.25	PK+	H
4	223.030	36.37	-20.34	16.03	46.00	29.97	PK+	H
5	405.390	33.00	-13.37	19.63	46.00	26.37	PK+	H
6	940.830	29.00	-2.17	26.83	46.00	19.17	PK+	H

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

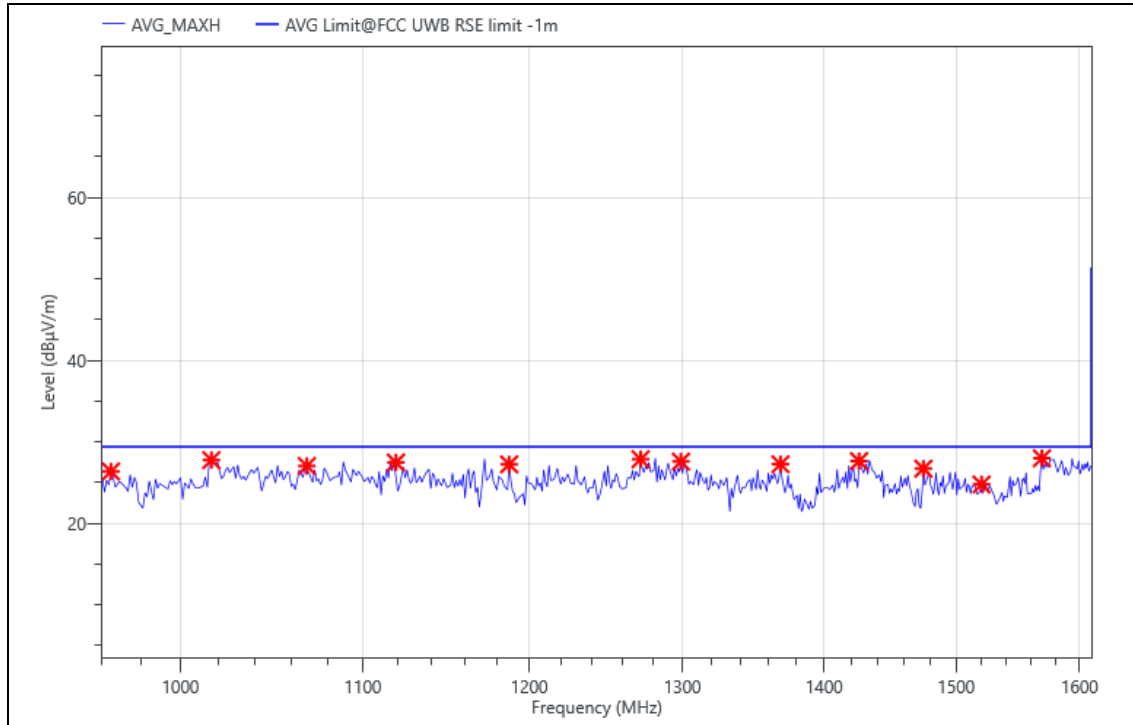


Critical_Freqs

No.	Freq. (MHz)	Reading (dBμV)	Corr. (dB)	Meas. (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Det.	Pol.
1	30.000	37.58	-14.32	23.26	40.00	16.74	PK+	V
2	50.370	47.55	-24.1	23.45	40.00	16.55	PK+	V
3	88.200	52.84	-25.32	27.52	43.50	15.98	PK+	V
4	393.750	41.94	-13.84	28.10	46.00	17.90	PK+	V
5	724.520	31.06	-6.55	24.51	46.00	21.49	PK+	V
6	935.010	28.95	-2.16	26.79	46.00	19.21	PK+	V

Note 1: Test distance is 3m.

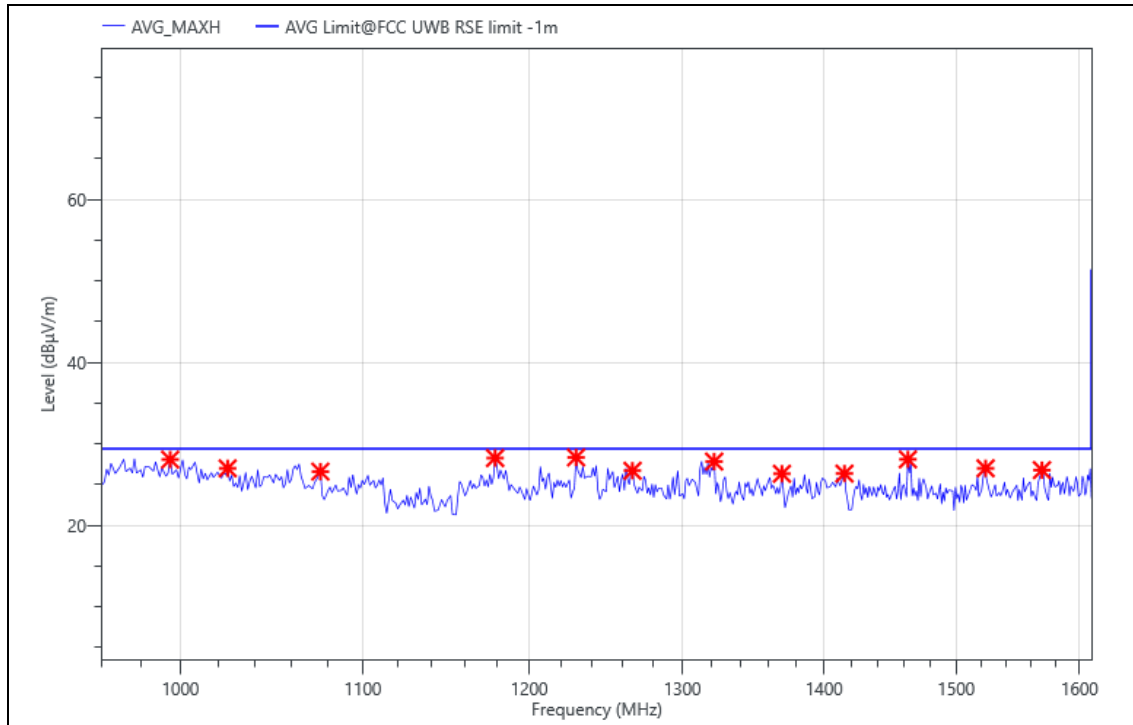
Mode:	6489.6 MHz
Power:	DC 57V
TE:	Berny
Date	2025/07/23
T/A/P	23.3□/51%/101Kpa



Critical_Freqs

No.	Freq. (MHz)	Reading (dBμV)	Corr. (dB)	Meas. (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Det.	Pol.
1	964.333	48.15	-21.77	26.38	29.44	3.06	AVG	V
2	1016.333	49.76	-21.98	27.78	29.44	1.66	AVG	V
3	1068.333	49.54	-22.48	27.06	29.44	2.38	AVG	V
4	1119.250	50.43	-22.94	27.49	29.44	1.95	AVG	V
5	1187.500	50.00	-22.74	27.26	29.44	2.18	AVG	V
6	1272.000	50.63	-22.74	27.89	29.44	1.55	AVG	V
7	1299.083	50.43	-22.83	27.60	29.44	1.84	AVG	V
8	1368.417	49.82	-22.55	27.27	29.44	2.17	AVG	V
9	1425.833	50.17	-22.51	27.66	29.44	1.78	AVG	V
10	1474.583	49.27	-22.54	26.73	29.44	2.71	AVG	V
11	1520.083	47.11	-22.32	24.79	29.44	4.65	AVG	V
12	1568.833	49.93	-21.93	28.00	29.44	1.44	AVG	V

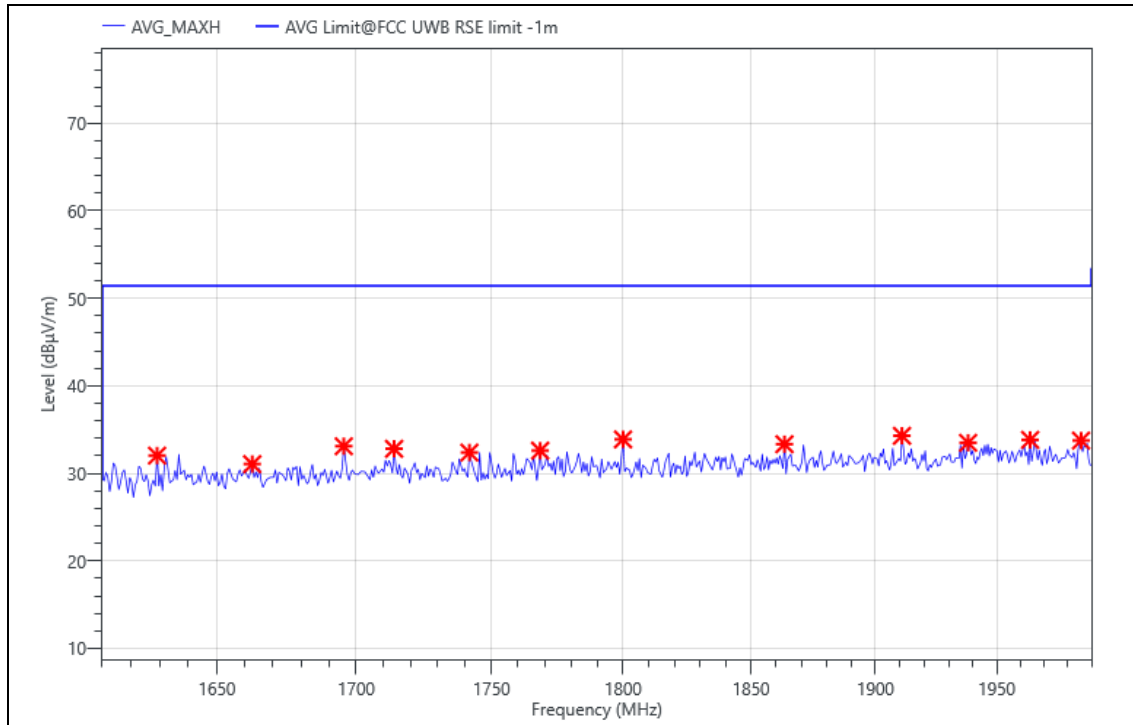
Mode:	6489.6 MHz
Power:	DC 57V
TE:	Berny
Date	2025/07/23
T/A/P	23.3□/51%/101Kpa



Critical_Freqs

No.	Freq. (MHz)	Reading (dBμV)	Corr. (dB)	Meas. (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Det.	Pol.
1	994.667	49.98	-21.89	28.09	29.44	1.35	AVG	H
2	1025.000	49.03	-22.02	27.01	29.44	2.43	AVG	H
3	1075.917	49.08	-22.46	26.62	29.44	2.82	AVG	H
4	1178.833	51.10	-22.83	28.27	29.44	1.17	AVG	H
5	1229.750	51.18	-22.83	28.35	29.44	1.09	AVG	H
6	1266.583	49.46	-22.74	26.72	29.44	2.72	AVG	H
7	1321.833	50.72	-22.87	27.85	29.44	1.59	AVG	H
8	1369.500	48.90	-22.55	26.35	29.44	3.09	AVG	H
9	1415.000	48.95	-22.58	26.37	29.44	3.07	AVG	H
10	1462.667	50.68	-22.56	28.12	29.44	1.32	AVG	H
11	1523.333	49.32	-22.3	27.02	29.44	2.42	AVG	H
12	1568.833	48.73	-21.93	26.80	29.44	2.64	AVG	H

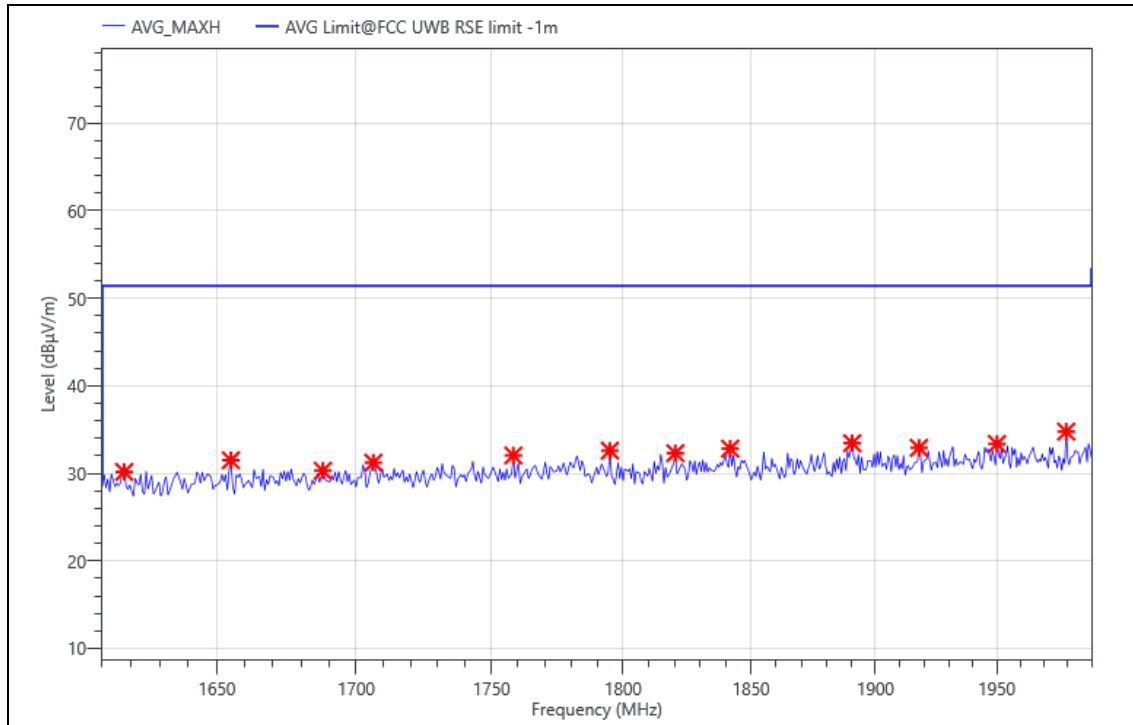
Mode:	6489.6 MHz
Power:	DC 57V
TE:	Berny
Date	2025/07/23
T/A/P	23.3□/51%/101Kpa



Critical_Freqs

No.	Freq. (MHz)	Reading (dBμV)	Corr. (dB)	Meas. (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Det.	Pol.
1	1629.000	53.55	-21.53	32.02	51.44	19.42	AVG	V
2	1662.567	52.21	-21.16	31.05	51.44	20.39	AVG	V
3	1695.500	53.99	-20.9	33.09	51.44	18.35	AVG	V
4	1713.867	53.53	-20.73	32.80	51.44	18.64	AVG	V
5	1741.733	52.92	-20.55	32.37	51.44	19.07	AVG	V
6	1768.333	52.87	-20.28	32.59	51.44	18.85	AVG	V
7	1800.000	53.97	-20.1	33.87	51.44	17.57	AVG	V
8	1863.333	52.90	-19.58	33.32	51.44	18.12	AVG	V
9	1910.833	53.42	-19.14	34.28	51.44	17.16	AVG	V
10	1938.067	52.37	-18.89	33.48	51.44	17.96	AVG	V
11	1964.033	52.49	-18.67	33.82	51.44	17.62	AVG	V
12	1985.567	52.26	-18.52	33.74	51.44	17.70	AVG	V

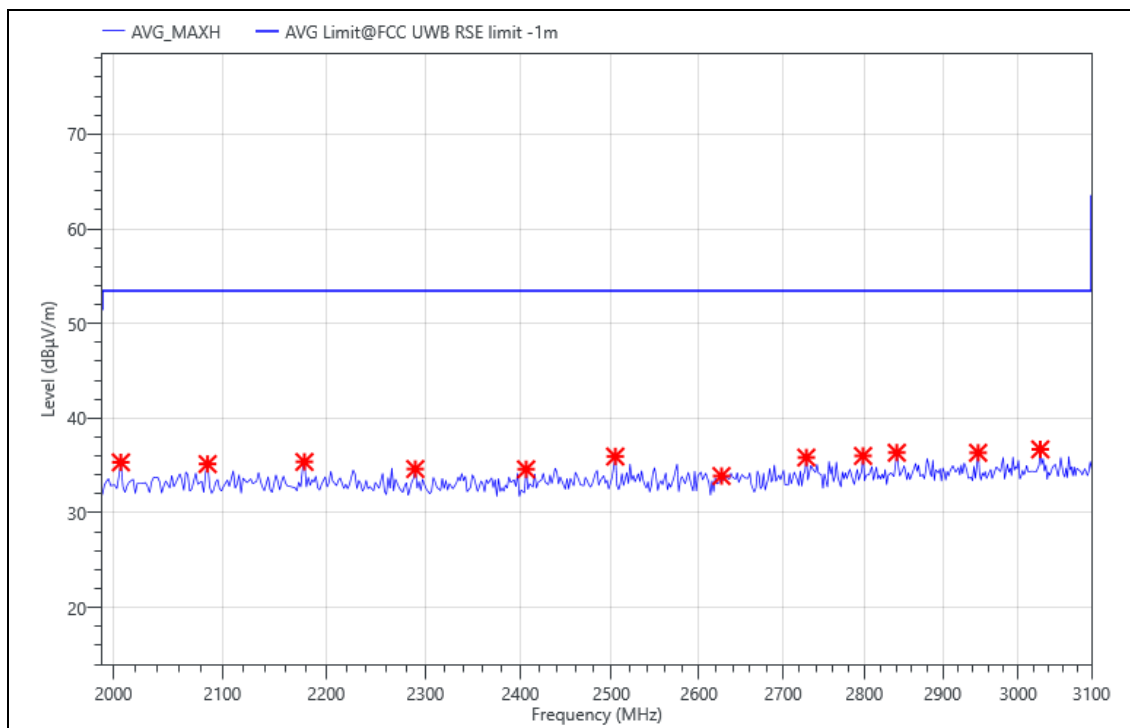
Mode:	6489.6 MHz
Power:	DC 57V
TE:	Berny
Date	2025/07/23
T/A/P	23.3□/51%/101Kpa



Critical_Freqs

No.	Freq. (MHz)	Reading (dBμV)	Corr. (dB)	Meas. (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Det.	Pol.
1	1617.600	51.77	-21.61	30.16	51.44	21.28	AVG	H
2	1654.967	52.71	-21.22	31.49	51.44	19.95	AVG	H
3	1687.900	51.24	-20.95	30.29	51.44	21.15	AVG	H
4	1706.267	52.02	-20.8	31.22	51.44	20.22	AVG	H
5	1758.200	52.46	-20.42	32.04	51.44	19.40	AVG	H
6	1794.933	52.70	-20.11	32.59	51.44	18.85	AVG	H
7	1820.267	52.17	-19.87	32.30	51.44	19.14	AVG	H
8	1841.800	52.54	-19.72	32.82	51.44	18.62	AVG	H
9	1890.567	52.78	-19.34	33.44	51.44	18.00	AVG	H
10	1917.800	51.99	-19.08	32.91	51.44	18.53	AVG	H
11	1950.100	52.14	-18.78	33.36	51.44	18.08	AVG	H
12	1979.233	53.31	-18.55	34.76	51.44	16.68	AVG	H

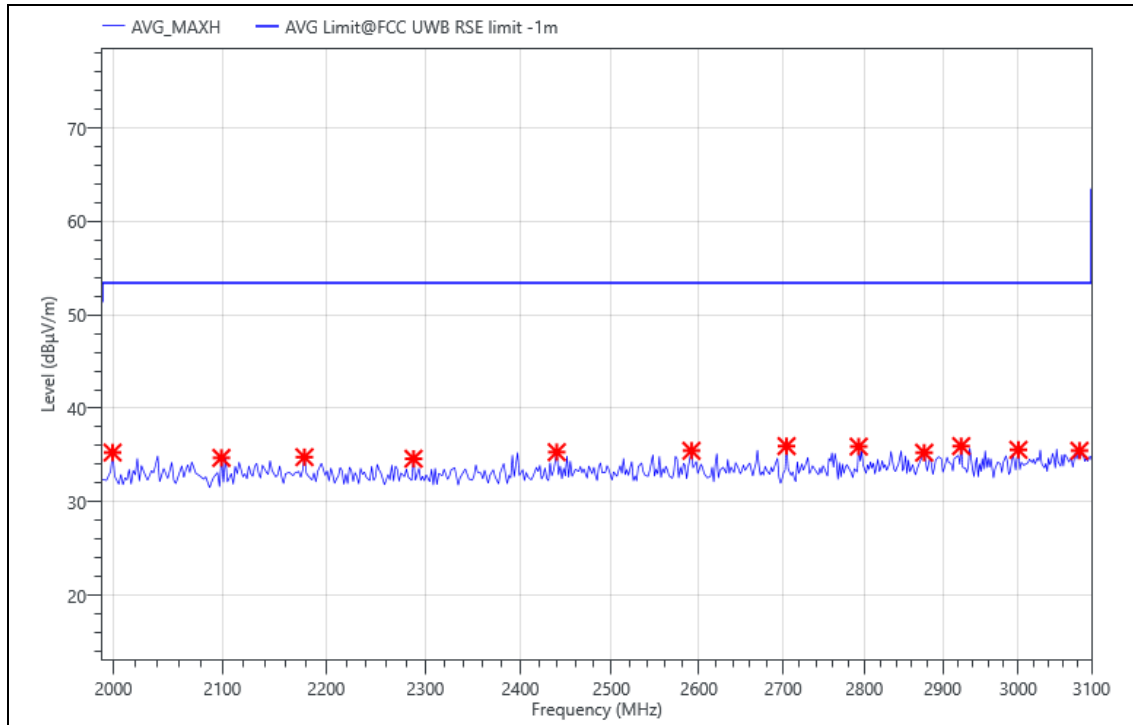
Mode:	6489.6 MHz
Power:	DC 57V
TE:	Berny
Date	2025/07/23
T/A/P	23.3□/51%/101Kpa



Critical_Freqs

No.	Freq. (MHz)	Reading (dBμV)	Corr. (dB)	Meas. (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Det.	Pol.
1	2006.650	53.75	-18.42	35.33	53.44	18.11	AVG	V
2	2086.200	53.37	-18.22	35.15	53.44	18.29	AVG	V
3	2178.700	53.37	-17.99	35.38	53.44	18.06	AVG	V
4	2289.700	52.29	-17.66	34.63	53.44	18.81	AVG	V
5	2406.250	52.07	-17.47	34.60	53.44	18.84	AVG	V
6	2504.300	53.07	-17.12	35.95	53.44	17.49	AVG	V
7	2626.400	50.78	-16.89	33.89	53.44	19.55	AVG	V
8	2728.150	52.60	-16.76	35.84	53.44	17.60	AVG	V
9	2798.450	52.76	-16.75	36.01	53.44	17.43	AVG	V
10	2841.000	52.83	-16.48	36.35	53.44	17.09	AVG	V
11	2946.450	52.29	-15.95	36.34	53.44	17.10	AVG	V
12	3029.700	52.18	-15.48	36.70	53.44	16.74	AVG	V

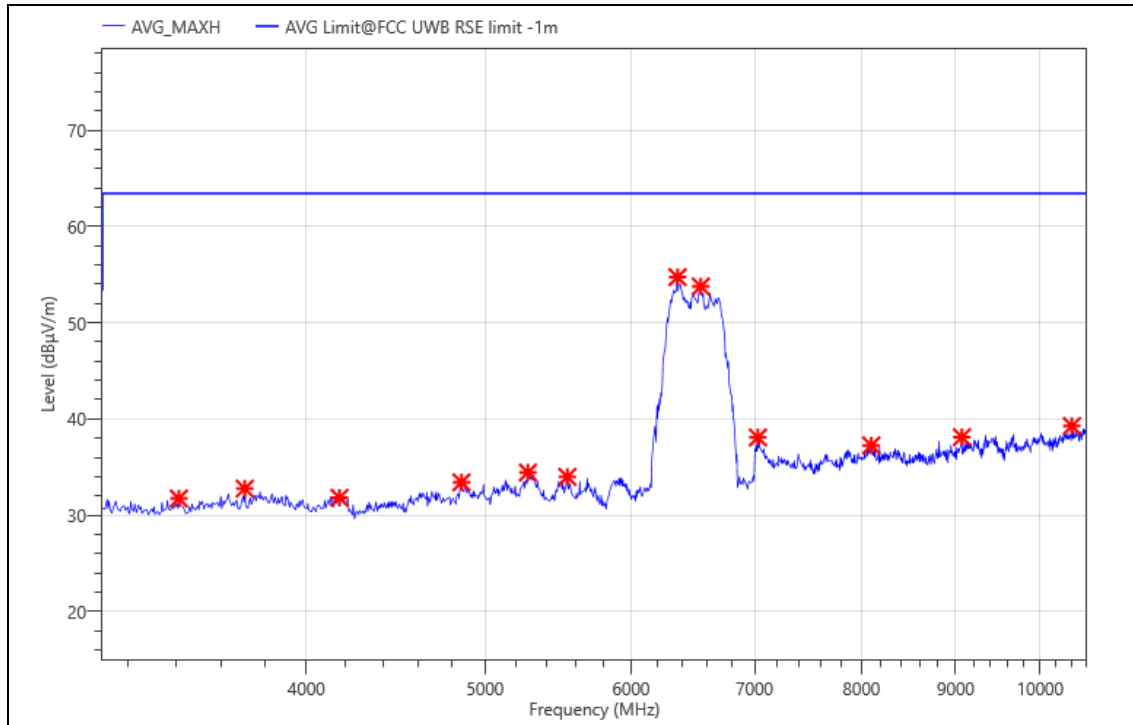
Mode:	6489.6 MHz
Power:	DC 57V
TE:	Berny
Date	2025/07/23
T/A/P	23.3□/51%/101Kpa



Critical_Freqs

No.	Freq. (MHz)	Reading (dBμV)	Corr. (dB)	Meas. (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Det.	Pol.
1	1999.250	53.72	-18.45	35.27	53.44	18.17	AVG	H
2	2099.150	52.96	-18.26	34.70	53.44	18.74	AVG	H
3	2178.700	52.77	-17.99	34.78	53.44	18.66	AVG	H
4	2287.850	52.26	-17.65	34.61	53.44	18.83	AVG	H
5	2439.550	52.57	-17.26	35.31	53.44	18.13	AVG	H
6	2591.250	52.41	-16.95	35.46	53.44	17.98	AVG	H
7	2704.100	52.87	-16.91	35.96	53.44	17.48	AVG	H
8	2792.900	52.67	-16.76	35.91	53.44	17.53	AVG	H
9	2876.150	51.54	-16.28	35.26	53.44	18.18	AVG	H
10	2924.250	52.10	-16.14	35.96	53.44	17.48	AVG	H
11	3000.100	51.40	-15.84	35.56	53.44	17.88	AVG	H
12	3083.350	51.01	-15.55	35.46	53.44	17.98	AVG	H

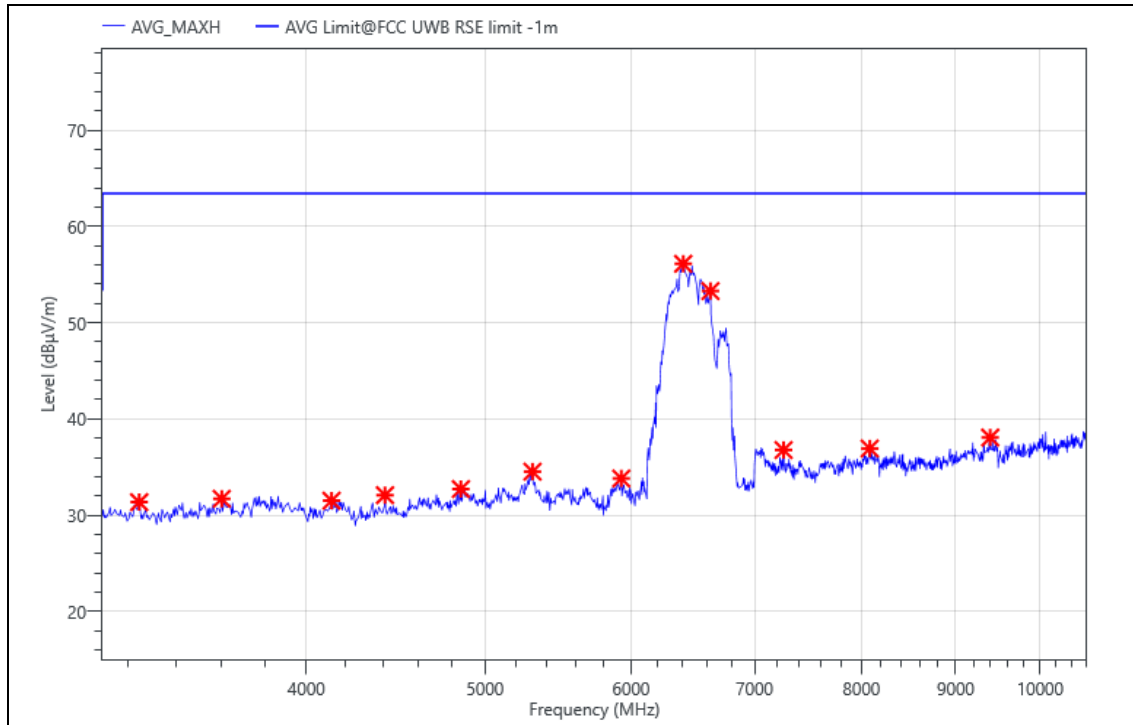
Mode:	6489.6 MHz
Power:	DC 57V
TE:	Berny
Date	2025/07/23
T/A/P	23.3□/51%/101Kpa



Critical_Freqs

No.	Freq. (MHz)	Reading (dBμV)	Corr. (dB)	Meas. (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Det.	Pol.
1	3411.250	46.09	-14.36	31.73	63.44	31.71	AVG	H
2	3703.750	46.57	-13.81	32.76	63.44	30.68	AVG	H
3	4168.750	44.22	-12.41	31.81	63.44	31.63	AVG	H
4	4855.000	44.48	-11.07	33.41	63.44	30.03	AVG	H
5	5275.000	43.96	-9.53	34.43	63.44	29.01	AVG	H
6	5541.250	43.42	-9.44	33.98	63.44	29.46	AVG	H
7	6358.750	62.76	-8.01	54.75	63.44	8.69	AVG	H
8	6546.250	61.85	-8.07	53.78	63.44	9.66	AVG	H
9	7030.000	45.40	-7.32	38.08	63.44	25.36	AVG	H
10	8098.750	44.90	-7.65	37.25	63.44	26.19	AVG	H
11	9070.000	45.36	-7.25	38.11	63.44	25.33	AVG	H
12	10405.000	44.90	-5.63	39.27	63.44	24.17	AVG	H

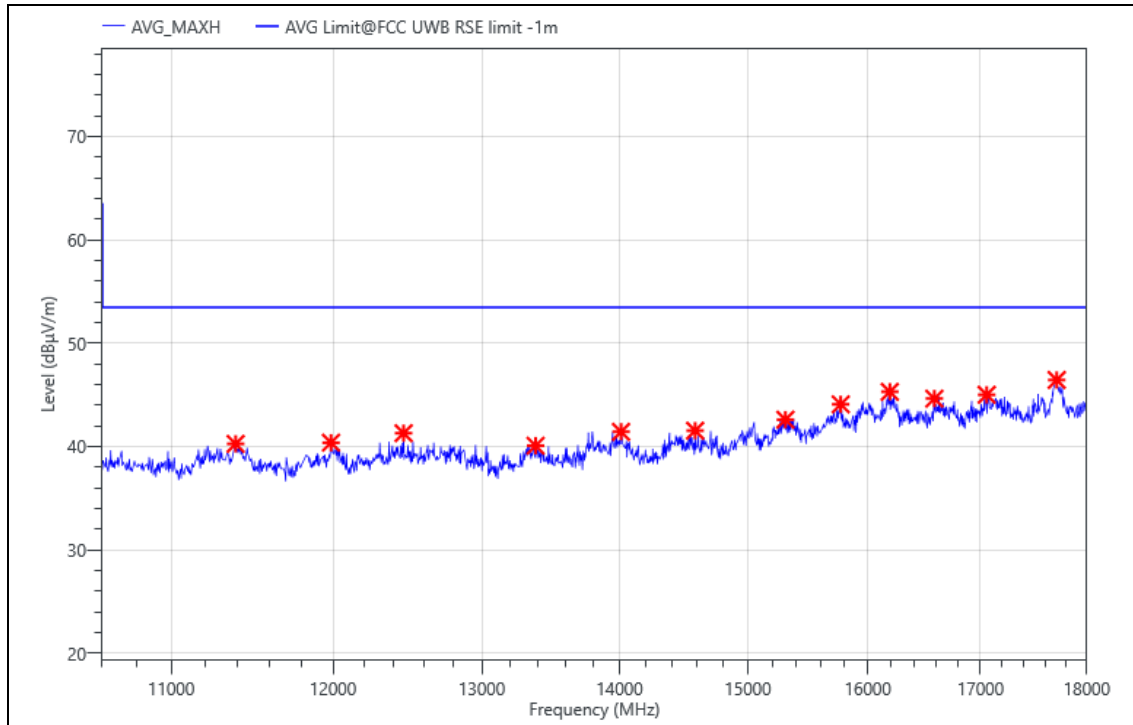
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Power:	DC 57V
TE:	Berny
Date	2025/07/23
T/A/P	23.3□/51%/101Kpa



Critical_Freqs

No.	Freq. (MHz)	Reading (dBμV)	Corr. (dB)	Meas. (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Det.	Pol.
1	3246.250	46.17	-14.82	31.35	63.44	32.09	AVG	V
2	3598.750	45.62	-13.92	31.70	63.44	31.74	AVG	V
3	4127.500	44.12	-12.62	31.50	63.44	31.94	AVG	V
4	4412.500	44.12	-12.04	32.08	63.44	31.36	AVG	V
5	4851.250	43.84	-11.13	32.71	63.44	30.73	AVG	V
6	5305.000	43.87	-9.35	34.52	63.44	28.92	AVG	V
7	5927.500	42.33	-8.52	33.81	63.44	29.63	AVG	V
8	6403.750	64.30	-8.17	56.13	63.44	7.31	AVG	V
9	6625.000	61.64	-8.34	53.30	63.44	10.14	AVG	V
10	7258.750	44.32	-7.55	36.77	63.44	26.67	AVG	V
11	8083.750	44.60	-7.67	36.93	63.44	26.51	AVG	V
12	9396.250	44.95	-6.88	38.07	63.44	25.37	AVG	V

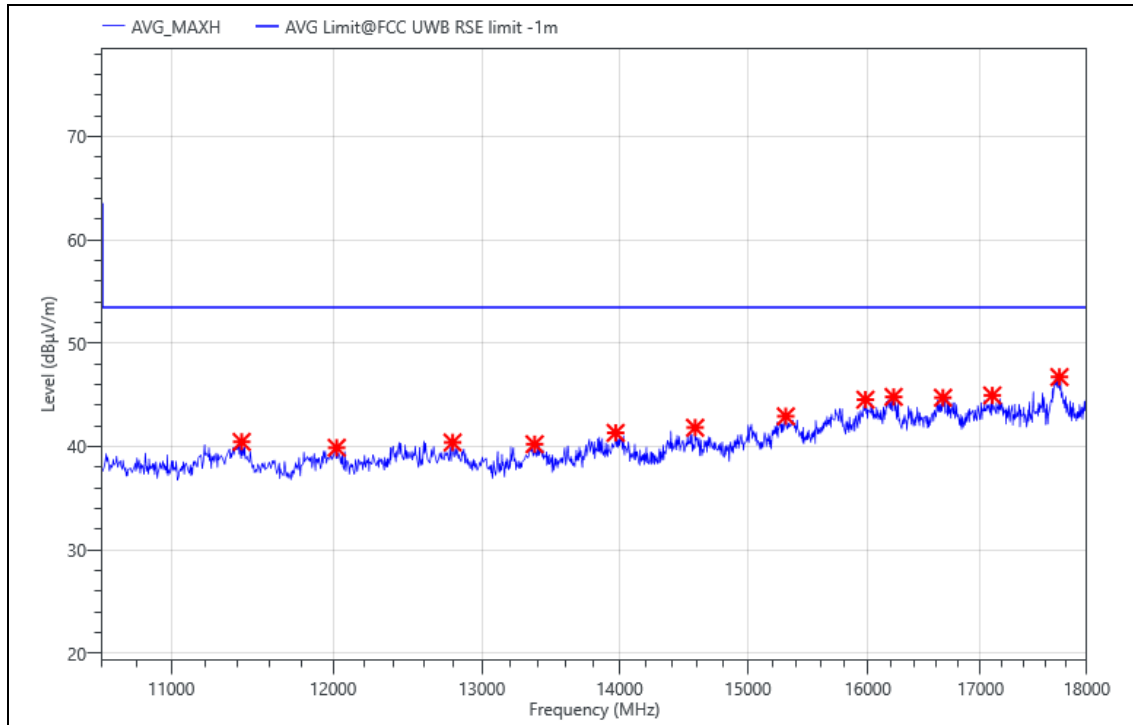
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Power:	DC 57V
TE:	Berny
Date	2025/07/23
T/A/P	23.3□/51%/101Kpa



Critical_Freqs

No.	Freq. (MHz)	Reading (dBμV)	Corr. (dB)	Meas. (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Det.	Pol.
1	11388.100	44.57	-4.31	40.26	53.44	13.18	AVG	V
2	11987.500	44.65	-4.28	40.37	53.44	13.07	AVG	V
3	12464.800	45.43	-4.14	41.29	53.44	12.15	AVG	V
4	13382.400	44.34	-4.26	40.08	53.44	13.36	AVG	V
5	14011.400	44.80	-3.38	41.42	53.44	12.02	AVG	V
6	14581.200	44.54	-3.01	41.53	53.44	11.91	AVG	V
7	15306.400	45.33	-2.73	42.60	53.44	10.84	AVG	V
8	15768.900	46.07	-1.99	44.08	53.44	9.36	AVG	V
9	16190.700	45.50	-0.21	45.29	53.44	8.15	AVG	V
10	16582.900	45.89	-1.26	44.63	53.44	8.81	AVG	V
11	17056.500	45.72	-0.71	45.01	53.44	8.43	AVG	V
12	17711.400	46.19	0.25	46.44	53.44	7.00	AVG	V

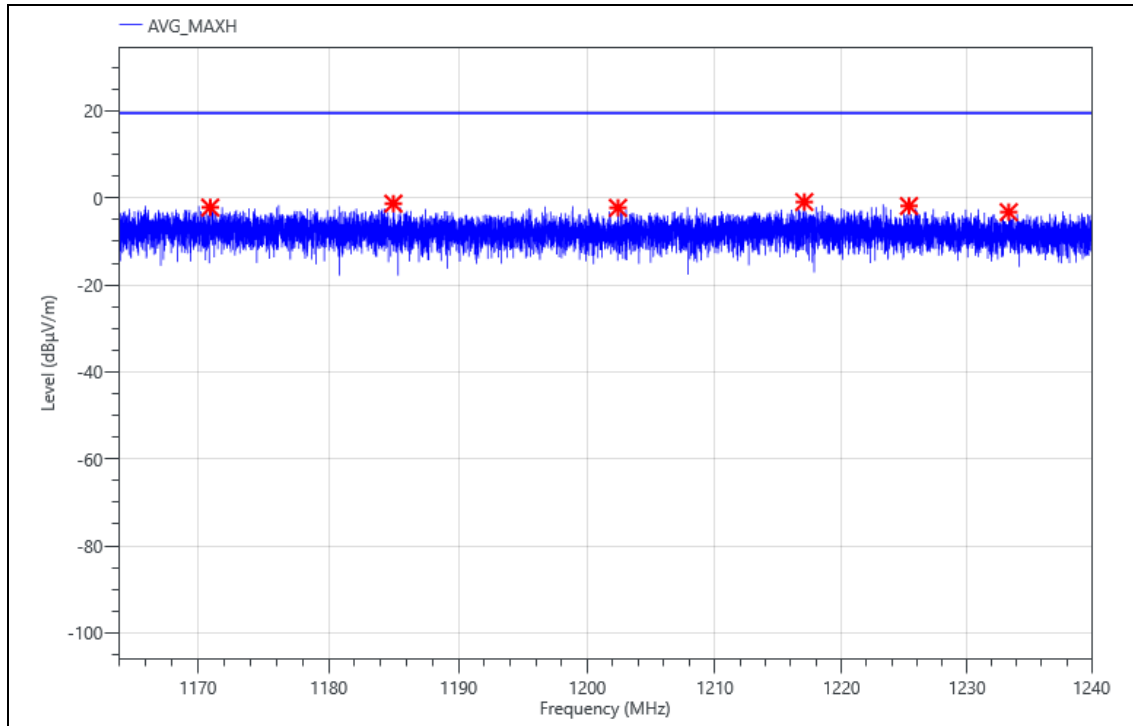
Mode:	6489.6 MHz
Power:	DC 57V
TE:	Berny
Date	2025/07/23
T/A/P	23.3□/51%/101Kpa



Critical_Freqs

No.	Freq. (MHz)	Reading (dBμV)	Corr. (dB)	Meas. (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Det.	Pol.
1	11425.100	44.56	-4.11	40.45	53.44	12.99	AVG	H
2	12024.500	43.84	-3.96	39.88	53.44	13.56	AVG	H
3	12797.800	44.53	-4.14	40.39	53.44	13.05	AVG	H
4	13375.000	44.45	-4.23	40.22	53.44	13.22	AVG	H
5	13970.700	44.85	-3.53	41.32	53.44	12.12	AVG	H
6	14581.200	44.83	-3.01	41.82	53.44	11.62	AVG	H
7	15310.100	45.68	-2.76	42.92	53.44	10.52	AVG	H
8	15979.800	46.08	-1.55	44.53	53.44	8.91	AVG	H
9	16224.000	45.23	-0.43	44.80	53.44	8.64	AVG	H
10	16660.600	46.00	-1.28	44.72	53.44	8.72	AVG	H
11	17108.300	45.80	-0.86	44.94	53.44	8.50	AVG	H
12	17737.300	46.19	0.53	46.72	53.44	6.72	AVG	H

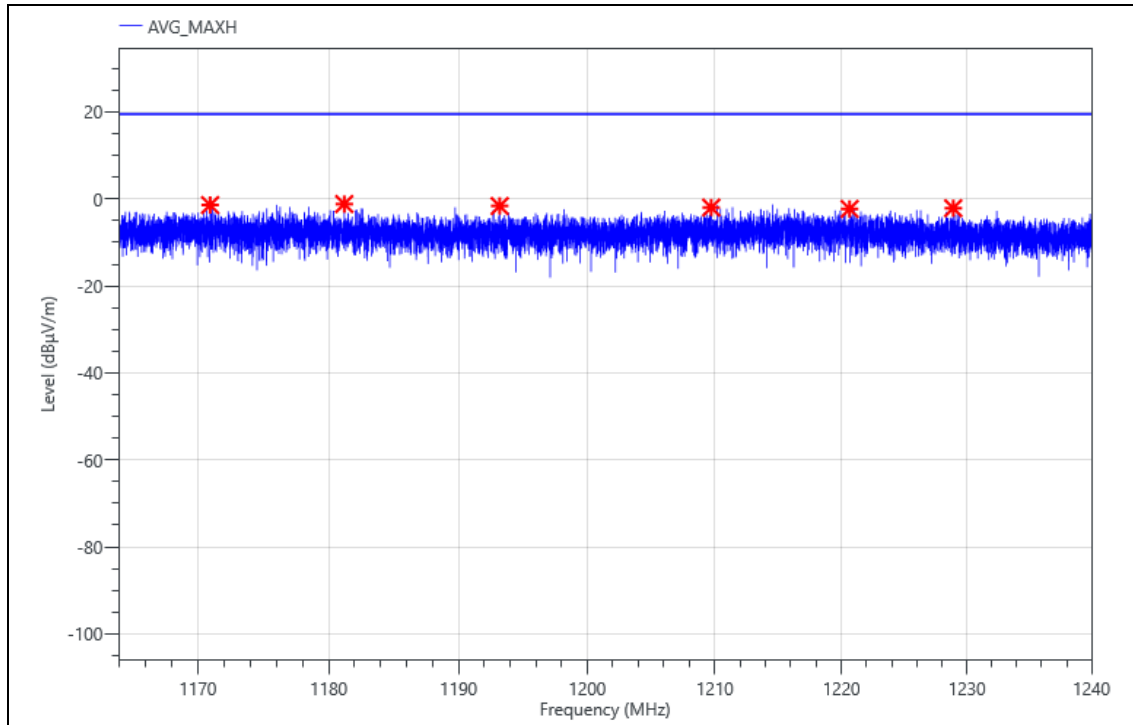
Mode:	6489.6 MHz
Power:	DC 57V
TE:	Berny
Date	2025/07/23
T/A/P	23.3□/51%/101Kpa



Critical_Freqs

No.	Freq. (MHz)	Reading (dBμV)	Corr. (dB)	Meas. (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Det.	Pol.
1	1170.948	20.71	-22.9	-2.19	19.44	21.63	AVG	H
2	1184.976	21.48	-	-1.29	19.44	20.73	AVG	H
3	1202.405	20.36	-	-2.27	19.44	21.71	AVG	H
4	1217.061	21.85	-	-0.92	19.44	20.36	AVG	H
5	1225.370	21.00	-	-1.85	19.44	21.29	AVG	H
6	1233.344	19.55	-	-3.26	19.44	22.70	AVG	H

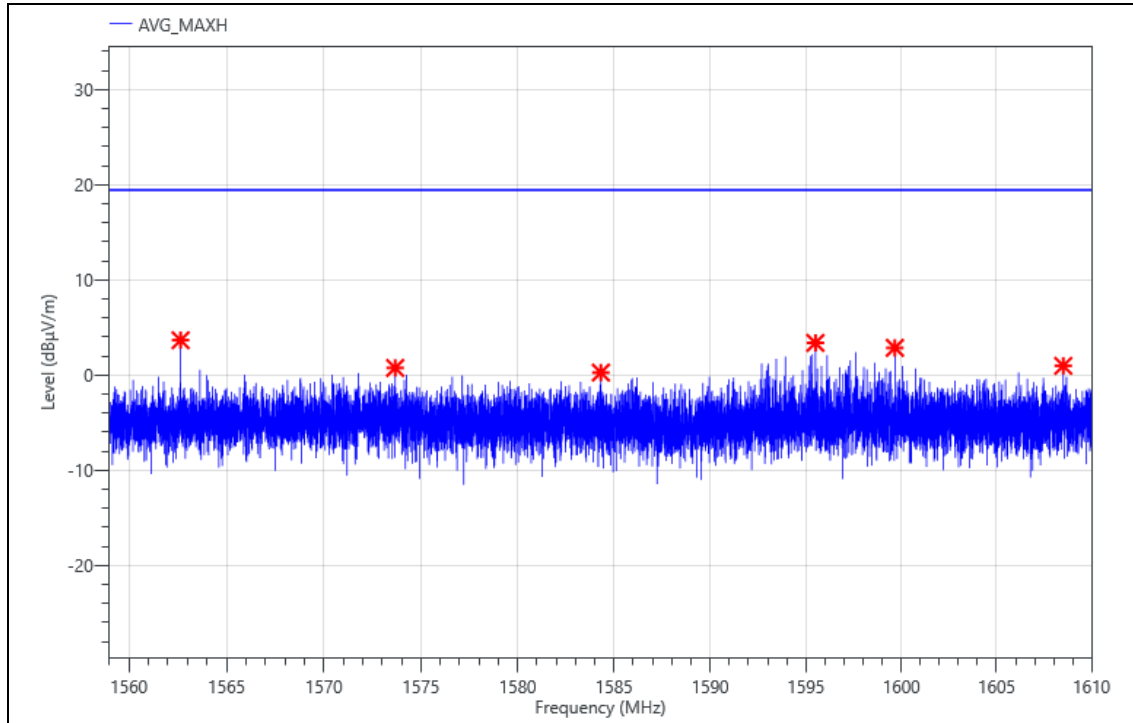
Mode:	6489.6 MHz
Power:	DC 57V
TE:	Berny
Date	2025/07/23
T/A/P	23.3□/51%/101Kpa



Critical_Freqs

No.	Freq. (MHz)	Reading (dBμV)	Corr. (dB)	Meas. (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Det.	Pol.
1	1170.935	21.51	-22.9	-1.39	19.44	20.83	AVG	V
2	1181.195	21.65	-22.81	-1.16	19.44	20.60	AVG	V
3	1193.190	21.08	-22.69	-1.61	19.44	21.05	AVG	V
4	1209.720	20.74	-22.7	-1.96	19.44	21.40	AVG	V
5	1220.652	20.52	-22.8	-2.28	19.44	21.72	AVG	V
6	1228.904	20.72	-22.83	-2.11	19.44	21.55	AVG	V

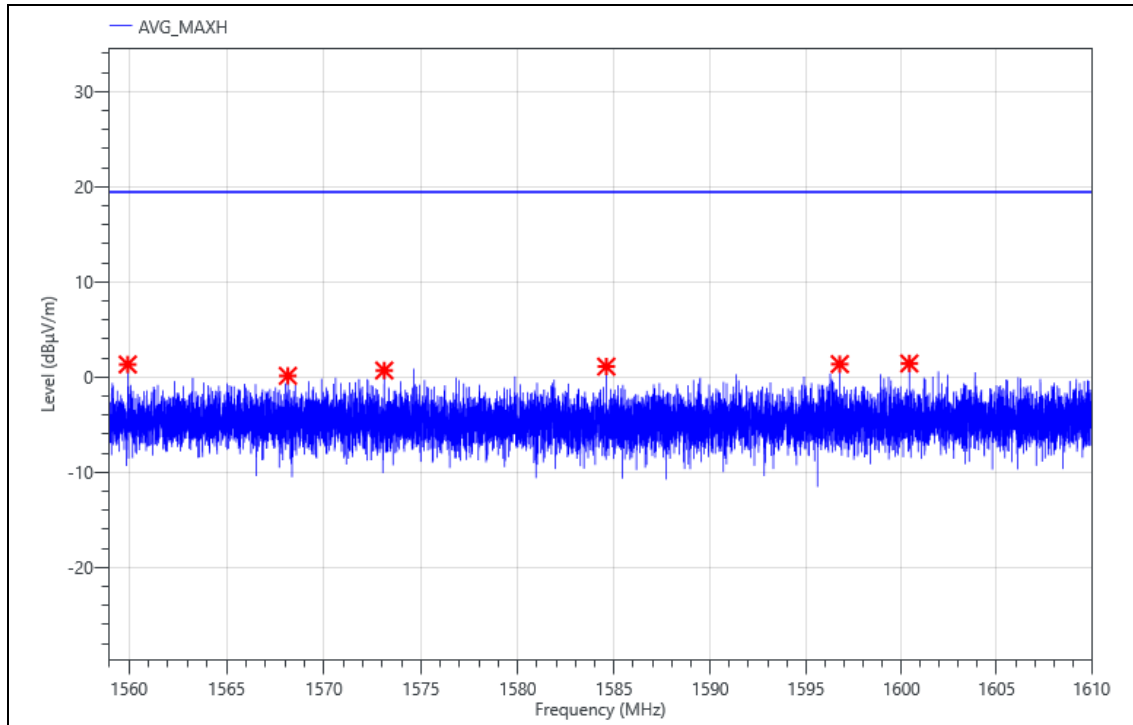
Mode:	6489.6 MHz
Power:	DC 57V
TE:	Berny
Date	2025/07/23
T/A/P	23.3□/51%/101Kpa



Critical_Freqs

No.	Freq. (MHz)	Reading (dBμV)	Corr. (dB)	Meas. (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Det.	Pol.
1	1562.647	25.64	-21.98	3.66	19.44	15.78	AVG	V
2	1573.675	22.65	-21.9	0.75	19.44	18.69	AVG	V
3	1584.322	22.08	-21.82	0.26	19.44	19.18	AVG	V
4	1595.499	25.11	-21.73	3.38	19.44	16.06	AVG	V
5	1599.660	24.56	-21.7	2.86	19.44	16.58	AVG	V
6	1608.513	22.63	-21.66	0.97	19.44	18.47	AVG	V

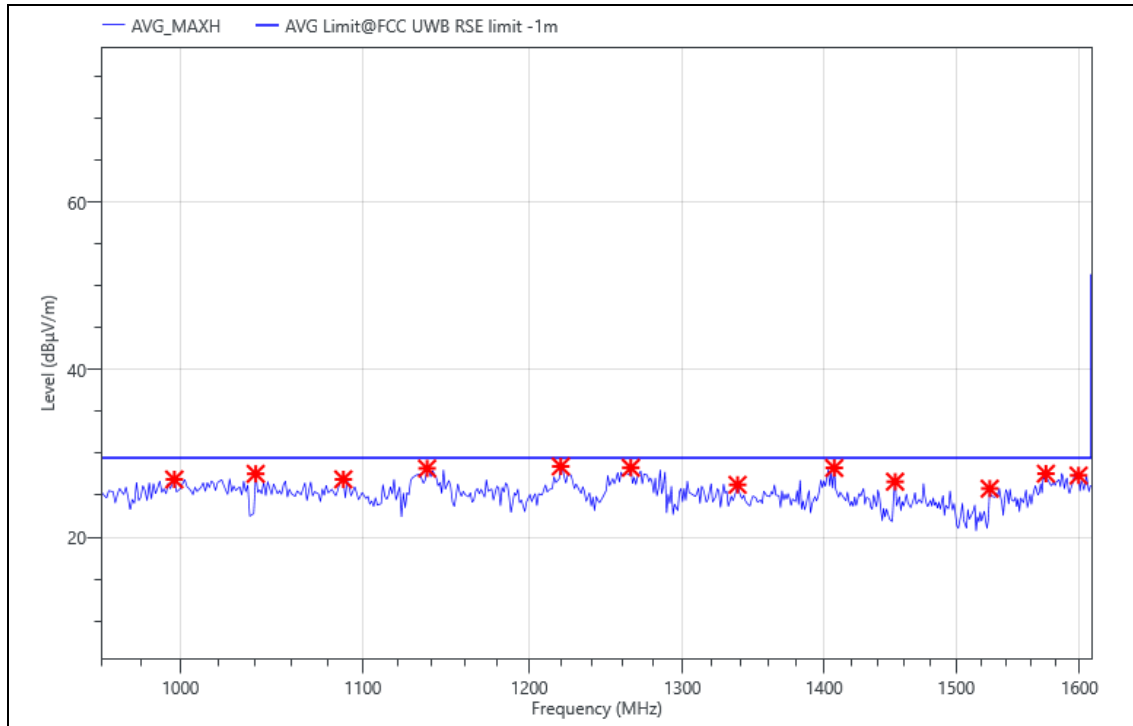
Mode:	6489.6 MHz
Power:	DC 57V
TE:	Berny
Date	2025/07/23
T/A/P	23.3□/51%/101Kpa



Critical_Freqs

No.	Freq. (MHz)	Reading (dBμV)	Corr. (dB)	Meas. (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Det.	Pol.
1	1559.944	23.32	-22	1.32	19.44	18.12	AVG	H
2	1568.150	22.07	-21.94	0.13	19.44	19.31	AVG	H
3	1573.114	22.59	-21.9	0.69	19.44	18.75	AVG	H
4	1584.602	22.91	-21.81	1.10	19.44	18.34	AVG	H
5	1596.770	23.08	-21.72	1.36	19.44	18.08	AVG	H
6	1600.416	23.13	-21.7	1.43	19.44	18.01	AVG	H

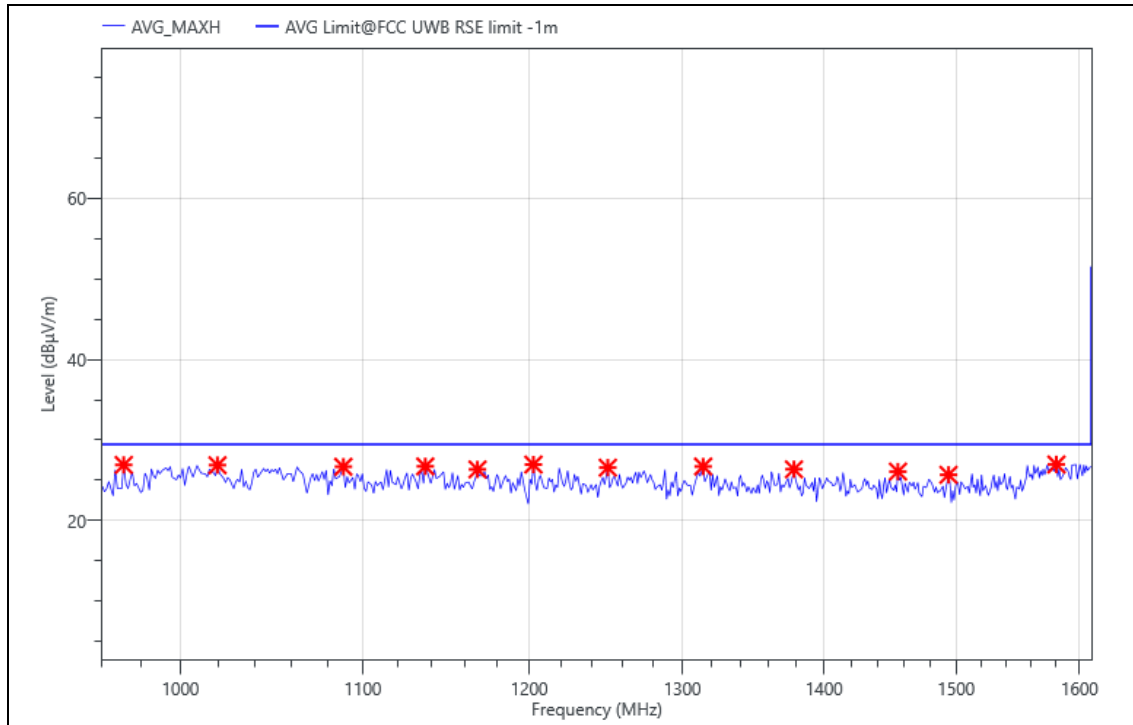
Mode:	7987.2MHz
Power:	DC 57V
TE:	Berny
Date	2025/07/23
T/A/P	23.3□/51%/101Kpa



Critical_Freqs

No.	Freq. (MHz)	Reading (dBμV)	Corr. (dB)	Meas. (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Det.	Pol.
1	996.833	48.80	-21.9	26.90	29.44	2.54	AVG	H
2	1040.167	49.94	-22.37	27.57	29.44	1.87	AVG	H
3	1088.917	49.61	-22.7	26.91	29.44	2.53	AVG	H
4	1137.667	51.22	-23.01	28.21	29.44	1.23	AVG	H
5	1220.000	51.25	-22.8	28.45	29.44	0.99	AVG	H
6	1265.500	51.04	-22.74	28.30	29.44	1.14	AVG	H
7	1338.083	48.98	-22.72	26.26	29.44	3.18	AVG	H
8	1407.417	50.89	-22.62	28.27	29.44	1.17	AVG	H
9	1452.917	49.20	-22.57	26.63	29.44	2.81	AVG	H
10	1526.583	48.08	-22.28	25.80	29.44	3.64	AVG	H
11	1572.083	49.50	-21.91	27.59	29.44	1.85	AVG	H
12	1599.167	49.08	-21.71	27.37	29.44	2.07	AVG	H

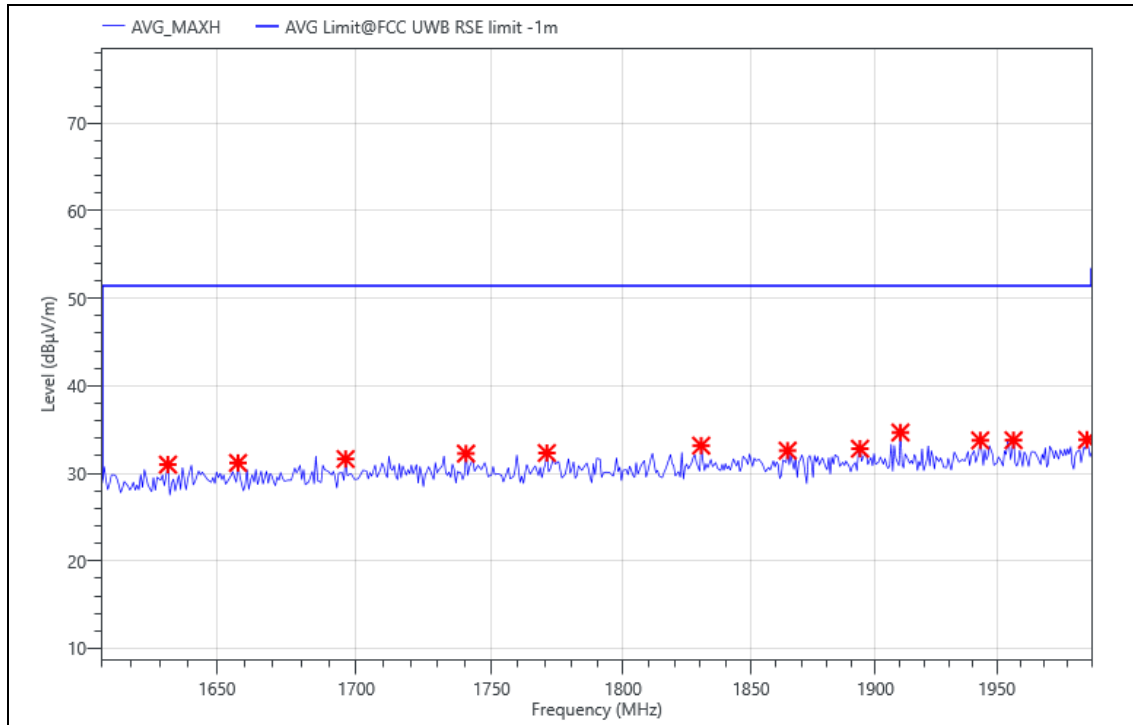
Mode:	7987.2MHz
Power:	DC 57V
TE:	Berny
Date	2025/07/23
T/A/P	23.3□/51%/101Kpa



Critical_Freqs

No.	Freq. (MHz)	Reading (dBμV)	Corr. (dB)	Meas. (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Det.	Pol.
1	970.833	48.71	-21.79	26.92	29.44	2.52	AVG	V
2	1019.583	48.89	-22	26.89	29.44	2.55	AVG	V
3	1088.917	49.40	-22.7	26.70	29.44	2.74	AVG	V
4	1136.583	49.74	-23	26.74	29.44	2.7	AVG	V
5	1168.000	49.30	-22.93	26.37	29.44	3.07	AVG	V
6	1202.667	49.61	-22.64	26.97	29.44	2.47	AVG	V
7	1250.333	49.33	-22.75	26.58	29.44	2.86	AVG	V
8	1314.250	49.58	-22.85	26.73	29.44	2.71	AVG	V
9	1378.167	48.94	-22.56	26.38	29.44	3.06	AVG	V
10	1455.083	48.67	-22.57	26.10	29.44	3.34	AVG	V
11	1494.083	48.16	-22.46	25.70	29.44	3.74	AVG	V
12	1580.750	48.82	-21.84	26.98	29.44	2.46	AVG	V

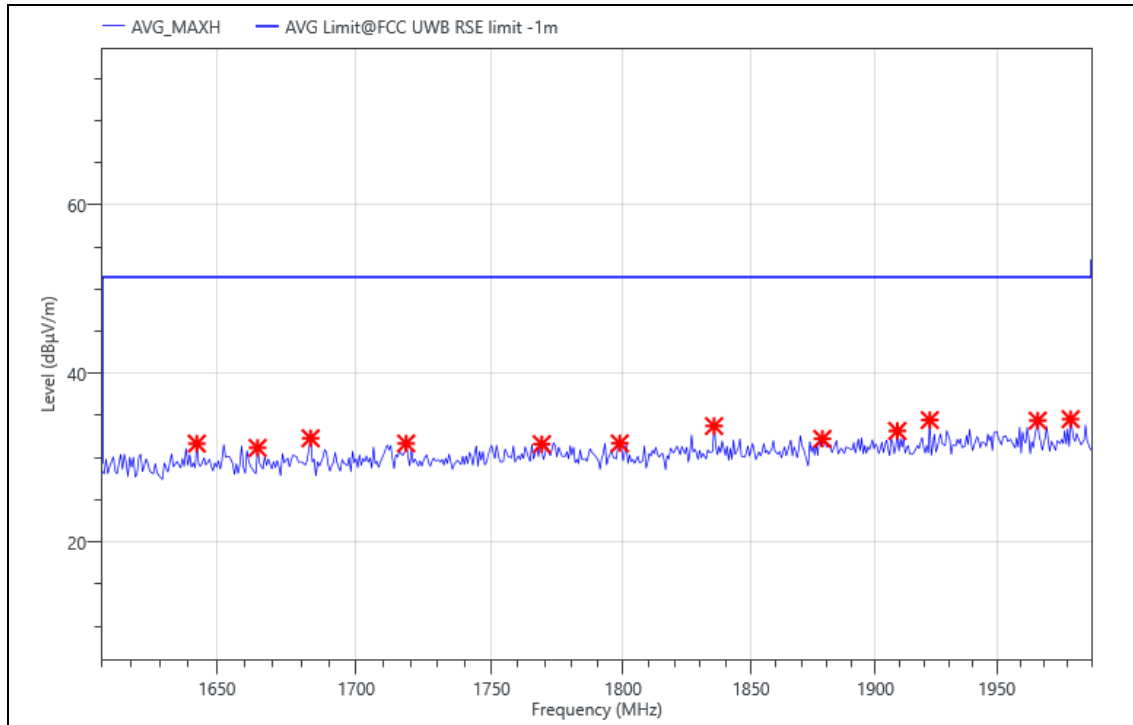
Mode:	7987.2MHz
Power:	DC 57V
TE:	Berny
Date	2025/07/23
T/A/P	23.3□/51%/101Kpa



Critical_Freqs

No.	Freq. (MHz)	Reading (dBμV)	Corr. (dB)	Meas. (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Det.	Pol.
1	1632.800	52.47	-21.48	30.99	51.44	20.45	AVG	H
2	1657.500	52.38	-21.2	31.18	51.44	20.26	AVG	H
3	1696.133	52.52	-20.89	31.63	51.44	19.81	AVG	H
4	1740.467	52.80	-20.55	32.25	51.44	19.19	AVG	H
5	1770.867	52.57	-20.25	32.32	51.44	19.12	AVG	H
6	1830.400	52.94	-19.78	33.16	51.44	18.28	AVG	H
7	1864.600	52.16	-19.57	32.59	51.44	18.85	AVG	H
8	1893.733	52.11	-19.3	32.81	51.44	18.63	AVG	H
9	1910.200	53.81	-19.15	34.66	51.44	16.78	AVG	H
10	1943.133	52.60	-18.84	33.76	51.44	17.68	AVG	H
11	1957.067	52.50	-18.72	33.78	51.44	17.66	AVG	H
12	1988.100	52.34	-18.51	33.83	51.44	17.61	AVG	H

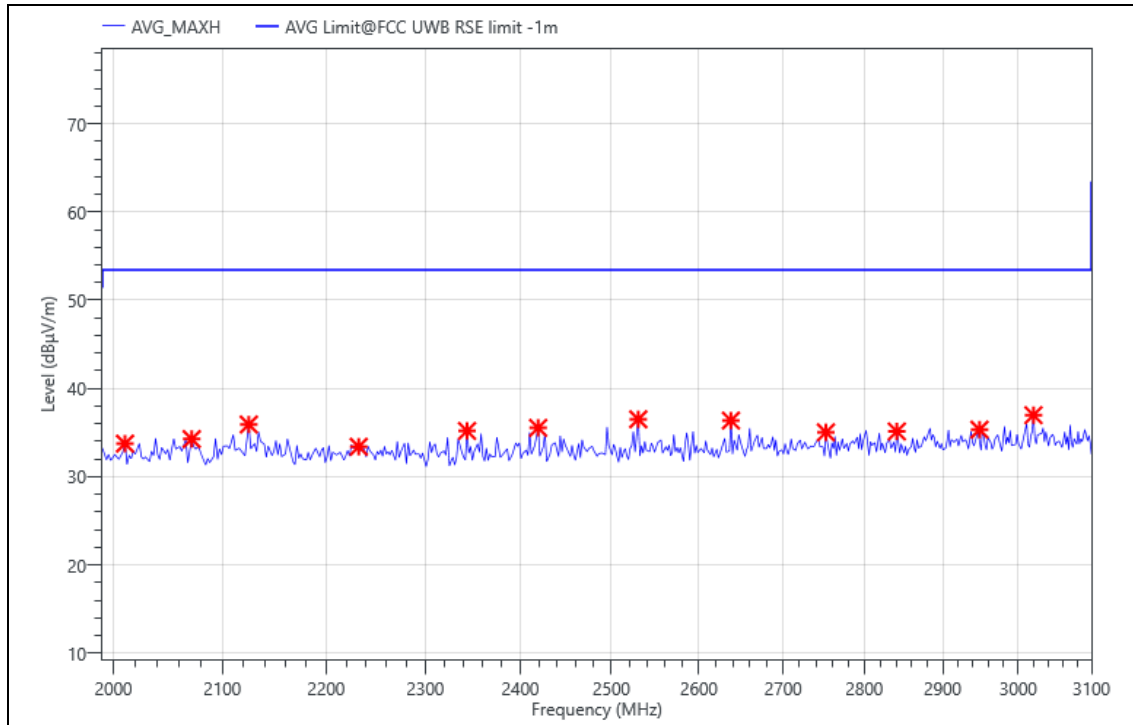
Mode:	7987.2MHz
Power:	DC 57V
TE:	Berny
Date	2025/07/23
T/A/P	23.3□/51%/101Kpa



Critical_Freqs

No.	Freq. (MHz)	Reading (dBμV)	Corr. (dB)	Meas. (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Det.	Pol.
1	1642.933	53.03	-21.35	31.68	51.44	19.76	AVG	V
2	1664.467	52.31	-21.14	31.17	51.44	20.27	AVG	V
3	1683.467	53.30	-20.99	32.31	51.44	19.13	AVG	V
4	1718.300	52.38	-20.68	31.70	51.44	19.74	AVG	V
5	1768.967	51.88	-20.27	31.61	51.44	19.83	AVG	V
6	1798.733	51.81	-20.1	31.71	51.44	19.73	AVG	V
7	1835.467	53.52	-19.76	33.76	51.44	17.68	AVG	V
8	1878.533	51.69	-19.45	32.24	51.44	19.20	AVG	V
9	1908.933	52.34	-19.16	33.18	51.44	18.26	AVG	V
10	1922.233	53.50	-19.03	34.47	51.44	16.97	AVG	V
11	1967.200	53.05	-18.64	34.41	51.44	17.03	AVG	V
12	1981.133	53.12	-18.54	34.58	51.44	16.86	AVG	V

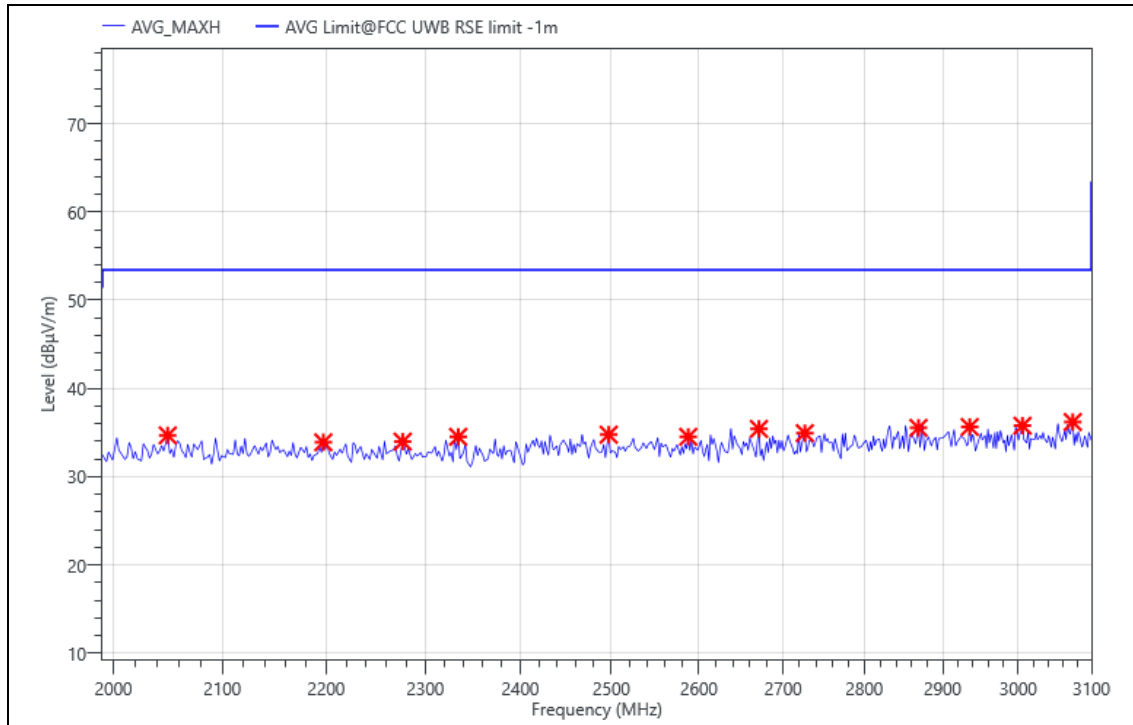
Mode:	7987.2MHz
Power:	DC 57V
TE:	Berny
Date	2025/07/23
T/A/P	23.3□/51%/101Kpa



Critical_Freqs

No.	Freq. (MHz)	Reading (dBμV)	Corr. (dB)	Meas. (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Det.	Pol.
1	2010.350	52.16	-18.41	33.75	53.44	19.69	AVG	H
2	2071.400	52.46	-18.19	34.27	53.44	19.17	AVG	H
3	2125.050	53.98	-18.06	35.92	53.44	17.52	AVG	H
4	2232.350	51.28	-17.88	33.40	53.44	20.04	AVG	H
5	2343.350	52.71	-17.52	35.19	53.44	18.25	AVG	H
6	2419.200	52.85	-17.31	35.54	53.44	17.90	AVG	H
7	2530.200	53.61	-17.1	36.51	53.44	16.93	AVG	H
8	2637.500	53.19	-16.82	36.37	53.44	17.07	AVG	H
9	2752.200	51.79	-16.76	35.03	53.44	18.41	AVG	H
10	2841.000	51.61	-16.48	35.13	53.44	18.31	AVG	H
11	2948.300	51.27	-15.93	35.34	53.44	18.10	AVG	H
12	3020.450	52.55	-15.57	36.98	53.44	16.46	AVG	H

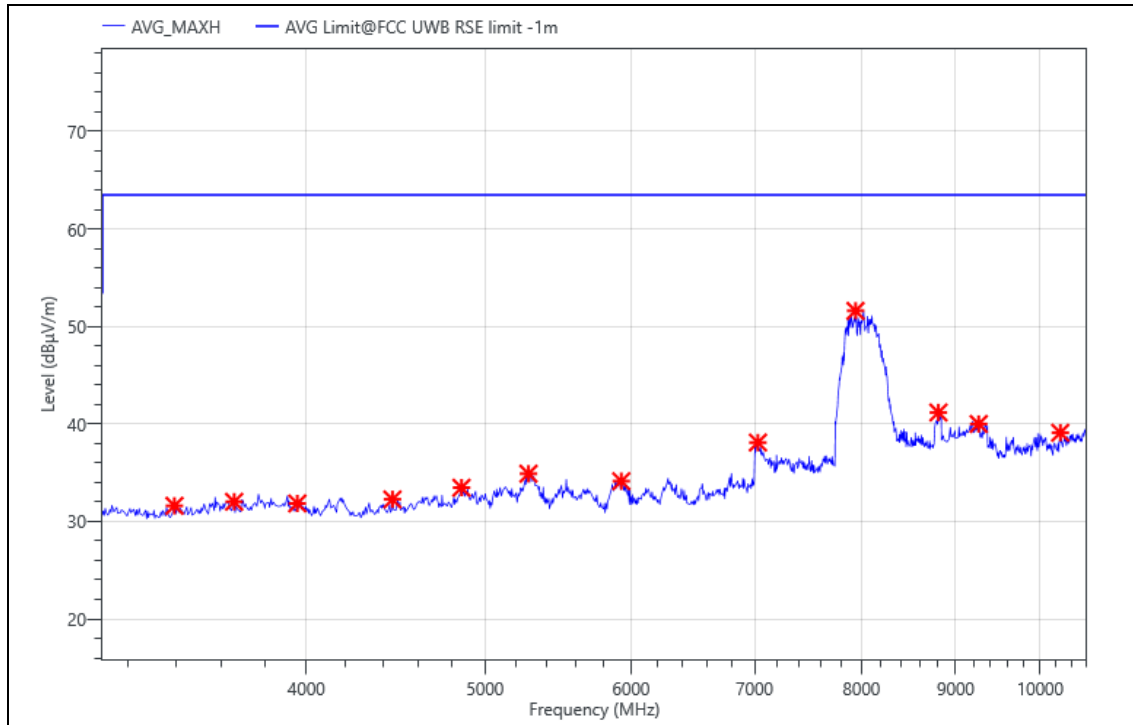
Mode:	7987.2MHz
Power:	DC 57V
TE:	Berny
Date	2025/07/23
T/A/P	23.3□/51%/101Kpa



Critical_Freqs

No.	Freq. (MHz)	Reading (dBμV)	Corr. (dB)	Meas. (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Det.	Pol.
1	2049.200	52.92	-18.23	34.69	53.44	18.75	AVG	V
2	2197.200	51.85	-17.95	33.90	53.44	19.54	AVG	V
3	2276.750	51.59	-17.61	33.98	53.44	19.46	AVG	V
4	2334.100	52.13	-17.61	34.52	53.44	18.92	AVG	V
5	2496.900	51.91	-17.14	34.77	53.44	18.67	AVG	V
6	2587.550	51.46	-16.94	34.52	53.44	18.92	AVG	V
7	2670.800	52.31	-16.89	35.42	53.44	18.02	AVG	V
8	2726.300	51.70	-16.76	34.94	53.44	18.50	AVG	V
9	2868.750	51.91	-16.37	35.54	53.44	17.90	AVG	V
10	2935.350	51.71	-16.07	35.64	53.44	17.80	AVG	V
11	3005.650	51.57	-15.79	35.78	53.44	17.66	AVG	V
12	3074.100	51.79	-15.59	36.20	53.44	17.24	AVG	V

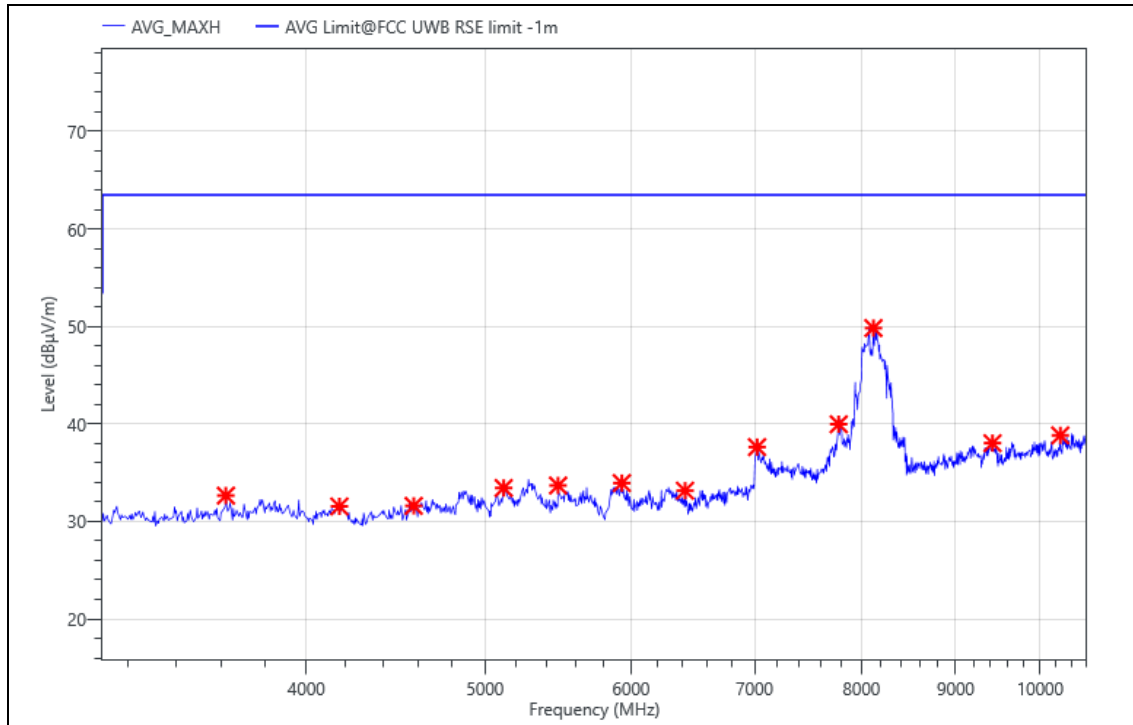
Mode:	7987.2MHz
Power:	DC 57V
TE:	Berny
Date	2025/07/23
T/A/P	23.3□/51%/101Kpa



Critical_Freqs

No.	Freq. (MHz)	Reading (dBμV)	Corr. (dB)	Meas. (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Det.	Pol.
1	3392.500	46.08	-14.47	31.61	63.44	31.83	AVG	V
2	3655.000	45.77	-13.75	32.02	63.44	31.42	AVG	V
3	3955.000	45.13	-13.28	31.85	63.44	31.59	AVG	V
4	4453.750	44.22	-11.96	32.26	63.44	31.18	AVG	V
5	4855.000	44.53	-11.07	33.46	63.44	29.98	AVG	V
6	5278.750	44.37	-9.47	34.90	63.44	28.54	AVG	V
7	5927.500	42.65	-8.52	34.13	63.44	29.31	AVG	V
8	7030.000	45.42	-7.32	38.10	63.44	25.34	AVG	V
9	7941.250	59.78	-8.18	51.60	63.44	11.84	AVG	V
10	8807.500	48.75	-7.57	41.18	63.44	22.26	AVG	V
11	9261.250	46.92	-6.92	40.00	63.44	23.44	AVG	V
12	10255.000	44.60	-5.5	39.10	63.44	24.34	AVG	V

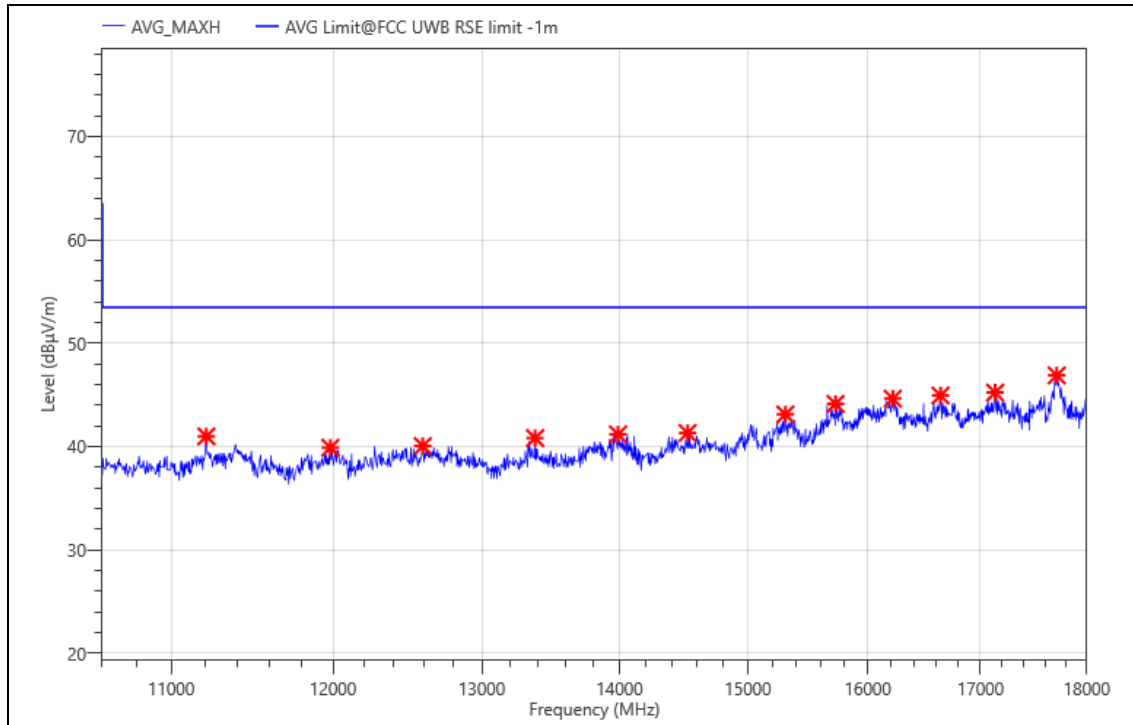
Mode:	7987.2MHz
Power:	DC 57V
TE:	Berny
Date	2025/07/23
T/A/P	23.3□/51%/101Kpa



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	H
2	4168.750	43.95	-12.41	31.54	63.44	31.90	AVG	H
3	4573.750	43.48	-11.88	31.60	63.44	31.84	AVG	H
4	5117.500	43.71	-10.28	33.43	63.44	30.01	AVG	H
5	5477.500	43.04	-9.35	33.69	63.44	29.75	AVG	H
6	5931.250	42.46	-8.52	33.94	63.44	29.50	AVG	H
7	6418.750	41.41	-8.25	33.16	63.44	30.28	AVG	H
8	7022.500	45.03	-7.4	37.63	63.44	25.81	AVG	H
9	7776.250	48.42	-8.45	39.97	63.44	23.47	AVG	H
10	8121.250	57.75	-7.91	49.84	63.44	13.60	AVG	H
11	9422.500	44.89	-6.86	38.03	63.44	25.41	AVG	H
12	10255.000	44.33	-5.5	38.83	63.44	24.61	AVG	H

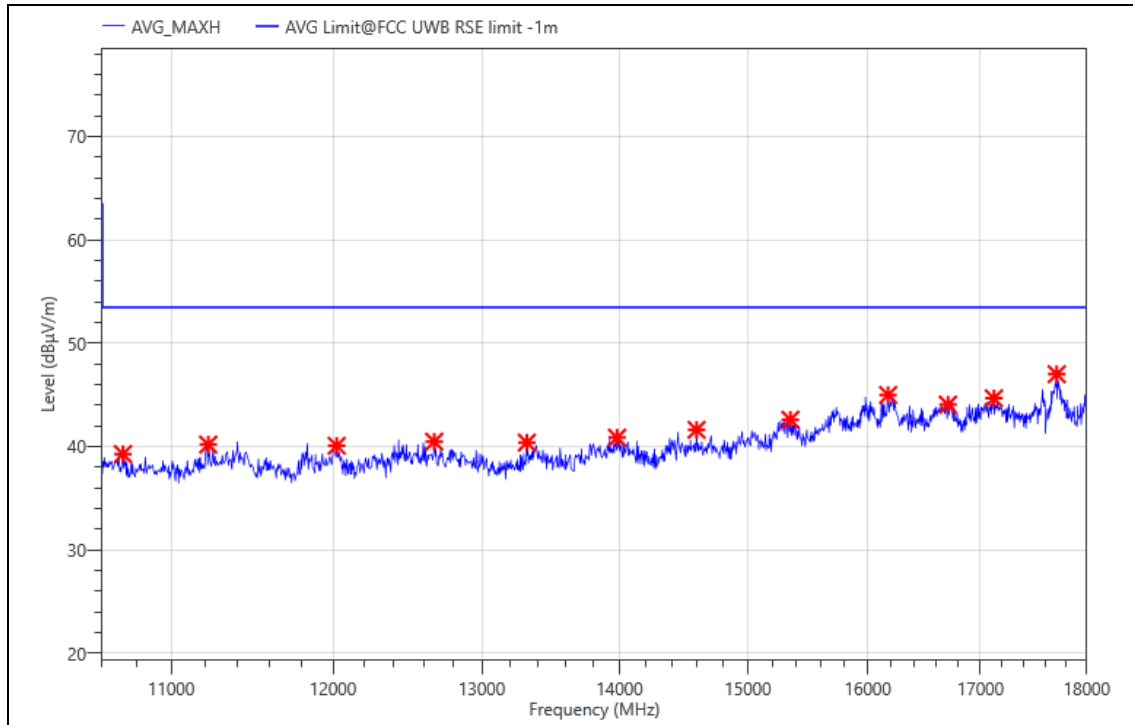
Mode:	7987.2MHz
Power:	DC 57V
TE:	Berny
Date	2025/07/23
T/A/P	23.3□/51%/101Kpa



Critical_Freqs

No.	Freq. (MHz)	Reading (dBμV)	Corr. (dB)	Meas. (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Det.	Pol.
1	11210.500	44.50	-3.52	40.98	53.44	12.46	AVG	H
2	11983.800	44.24	-4.36	39.88	53.44	13.56	AVG	H
3	12594.300	44.25	-4.2	40.05	53.44	13.39	AVG	H
4	13378.700	45.06	-4.25	40.81	53.44	12.63	AVG	H
5	13989.200	44.39	-3.22	41.17	53.44	12.27	AVG	H
6	14522.000	44.35	-3.04	41.31	53.44	12.13	AVG	H
7	15306.400	45.83	-2.73	43.10	53.44	10.34	AVG	H
8	15724.500	46.34	-2.21	44.13	53.44	9.31	AVG	H
9	16216.600	45.01	-0.38	44.63	53.44	8.81	AVG	H
10	16638.400	46.02	-1.09	44.93	53.44	8.51	AVG	H
11	17134.200	45.72	-0.5	45.22	53.44	8.22	AVG	H
12	17711.400	46.63	0.25	46.88	53.44	6.56	AVG	H

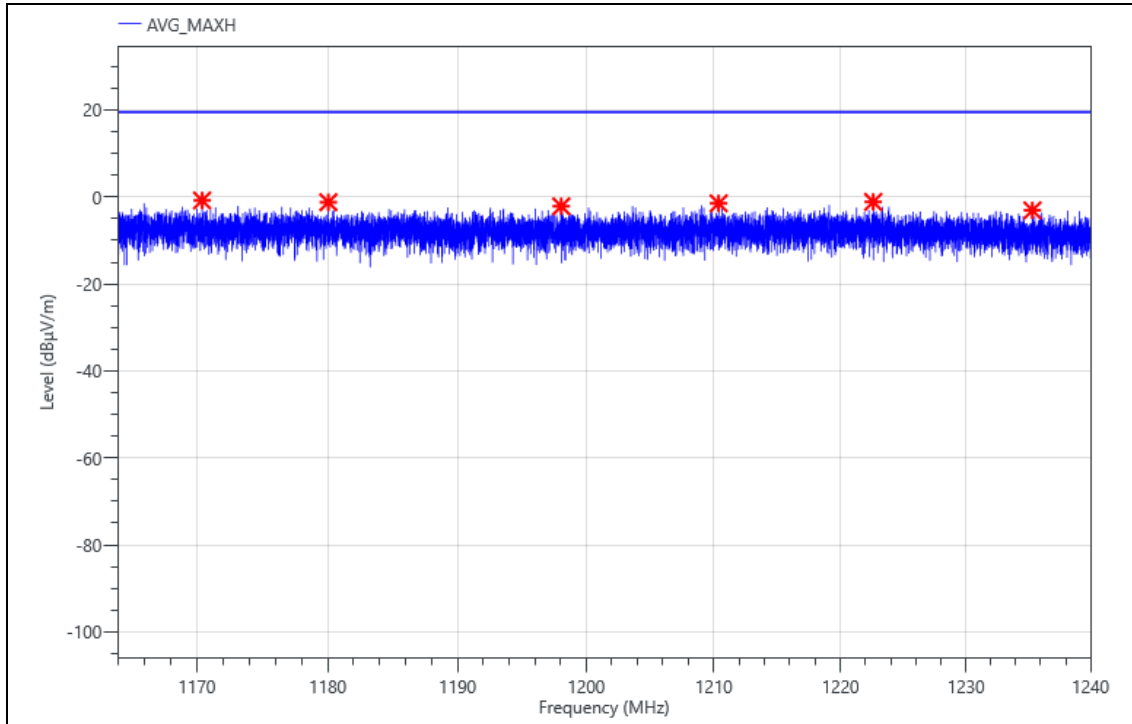
Mode:	7987.2MHz
Power:	DC 57V
TE:	Berny
Date	2025/07/23
T/A/P	23.3□/51%/101Kpa



Critical_Freqs

No.	Freq. (MHz)	Reading (dBμV)	Corr. (dB)	Meas. (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Det.	Pol.
1	10718.400	44.27	-5	39.27	53.44	14.17	AVG	V
2	11221.600	43.78	-3.59	40.19	53.44	13.25	AVG	V
3	12024.500	44.04	-3.96	40.08	53.44	13.36	AVG	V
4	12672.000	44.63	-4.16	40.47	53.44	12.97	AVG	V
5	13319.500	44.93	-4.55	40.38	53.44	13.06	AVG	V
6	13981.800	44.20	-3.34	40.86	53.44	12.58	AVG	V
7	14592.300	44.65	-3.03	41.62	53.44	11.82	AVG	V
8	15347.100	45.59	-2.99	42.60	53.44	10.84	AVG	V
9	16175.900	44.89	0.1	44.99	53.44	8.45	AVG	V
10	16705.000	45.60	-1.54	44.06	53.44	9.38	AVG	V
11	17123.100	45.30	-0.63	44.67	53.44	8.77	AVG	V
12	17711.400	46.75	0.25	47.00	53.44	6.44	AVG	V

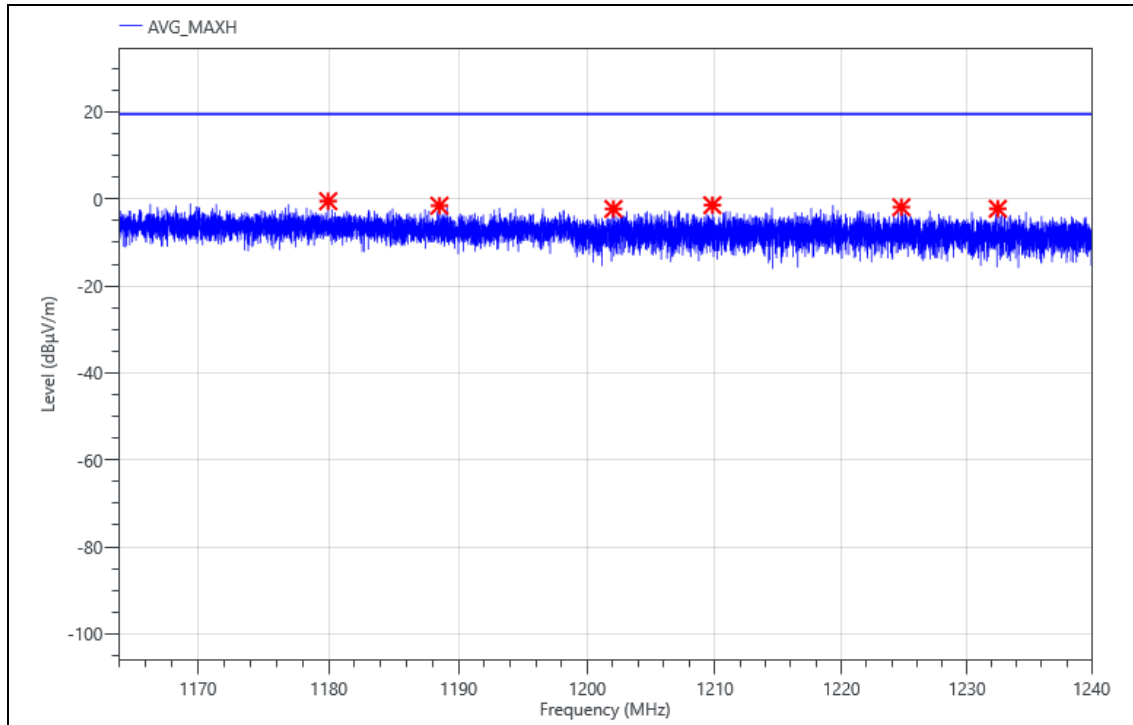
Mode:	7987.2MHz
Power:	DC 57V
TE:	Berny
Date	2025/07/23
T/A/P	23.3□/51%/101Kpa



Critical_Freqs

No.	Freq. (MHz)	Reading (dBμV)	Corr. (dB)	Meas. (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Det.	Pol.
1	1170.409	22.12	-22.91	-0.79	19.44	20.23	AVG	V
2	1180.055	21.62	-22.82	-1.20	19.44	20.64	AVG	V
3	1198.061	20.49	-22.64	-2.15	19.44	21.59	AVG	V
4	1210.379	21.25	-22.71	-1.46	19.44	20.90	AVG	V
5	1222.609	21.68	-22.82	-1.14	19.44	20.58	AVG	V
6	1235.326	19.74	-22.81	-3.07	19.44	22.51	AVG	V

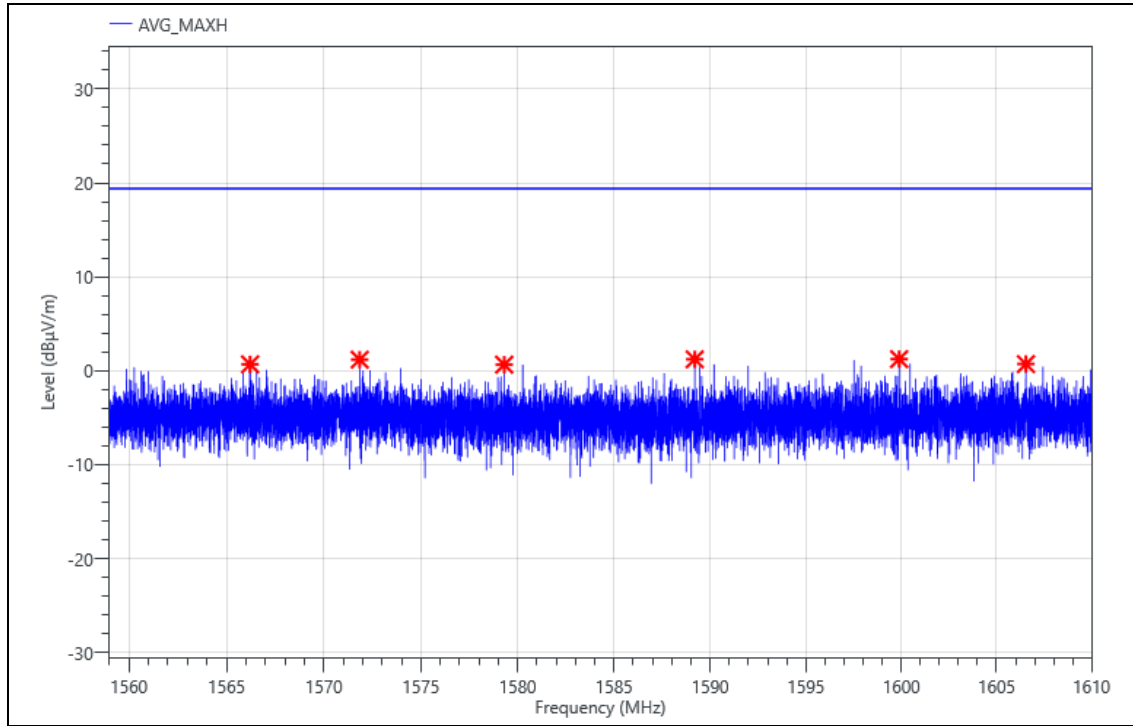
Mode:	7987.2MHz
Power:	DC 57V
TE:	Berny
Date	2025/07/23
T/A/P	23.3□/51%/101Kpa



Critical_Freqs

No.	Freq. (MHz)	Reading (dBμV)	Corr. (dB)	Meas. (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Det.	Pol.
1	1179.960	22.32	-22.82	-0.50	19.44	19.94	AVG	H
2	1188.529	21.19	-22.73	-1.54	19.44	20.98	AVG	H
3	1202.051	20.34	-22.63	-2.29	19.44	21.73	AVG	H
4	1209.809	21.28	-22.7	-1.42	19.44	20.86	AVG	H
5	1224.768	20.95	-22.84	-1.89	19.44	21.33	AVG	H
6	1232.470	20.57	-22.82	-2.25	19.44	21.69	AVG	H

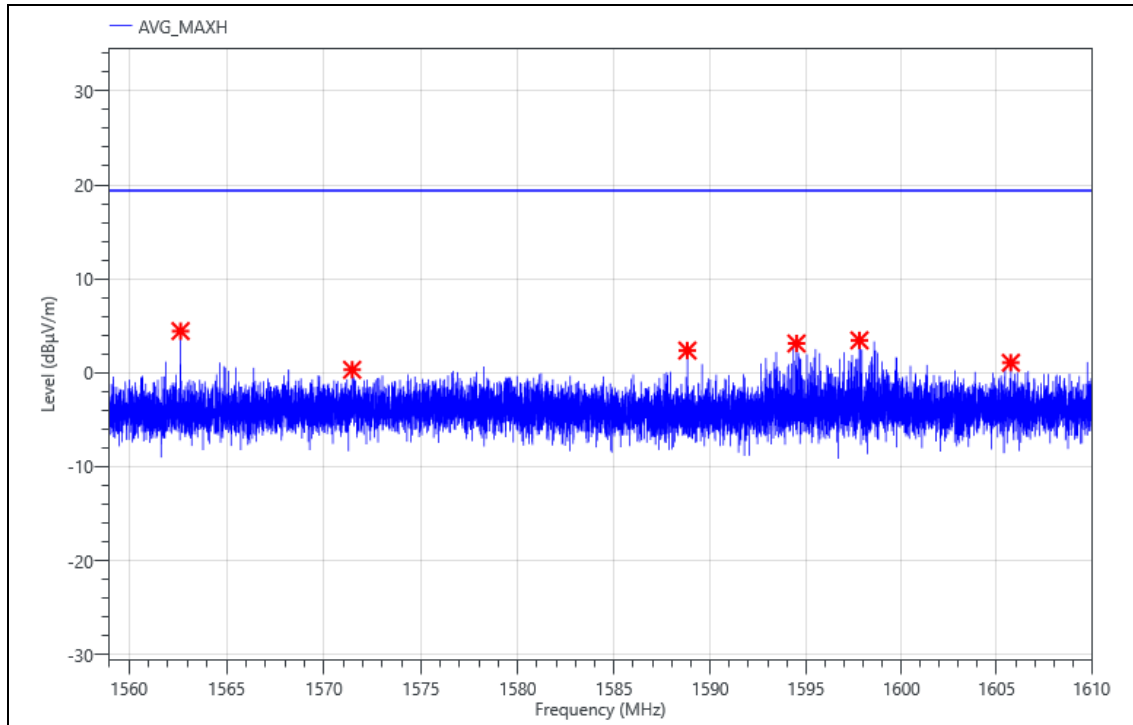
Mode:	7987.2MHz
Power:	DC 57V
TE:	Berny
Date	2025/07/23
T/A/P	23.3□/51%/101Kpa



Critical_Freqs

No.	Freq. (MHz)	Reading (dBμV)	Corr. (dB)	Meas. (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Det.	Pol.
1	1566.212	22.63	-21.95	0.68	19.44	18.76	AVG	H
2	1571.848	23.09	-21.91	1.18	19.44	18.26	AVG	H
3	1579.311	22.50	-21.85	0.65	19.44	18.79	AVG	H
4	1589.201	23.00	-21.78	1.22	19.44	18.22	AVG	H
5	1599.885	22.94	-21.7	1.24	19.44	18.20	AVG	H
6	1606.545	22.38	-21.67	0.71	19.44	18.73	AVG	H

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



Critical_Freqs

No.	Freq. (MHz)	Reading (dBμV)	Corr. (dB)	Meas. (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Det.	Pol.
1	1562.647	26.41	-21.98	4.43	19.44	15.01	AVG	V
2	1571.457	22.22	-21.91	0.31	19.44	19.13	AVG	V
3	1588.818	24.14	-21.78	2.36	19.44	17.08	AVG	V
4	1594.509	24.86	-21.74	3.12	19.44	16.32	AVG	V
5	1597.803	25.17	-21.72	3.45	19.44	15.99	AVG	V
6	1605.750	22.73	-21.67	1.06	19.44	18.38	AVG	V

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)

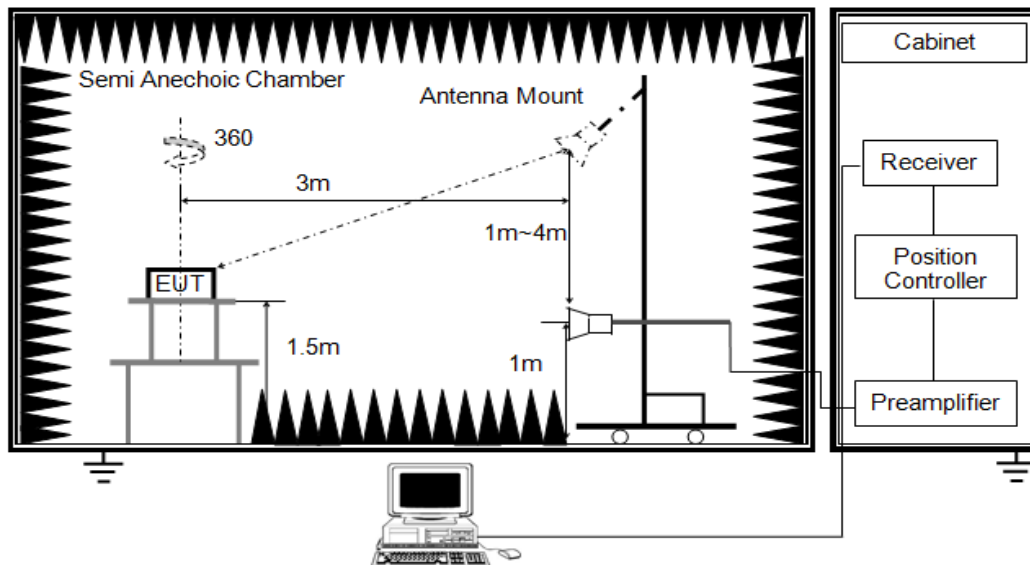
There is a limit on the peak level of the emissions contained within a 50 MHz bandwidth centered on the frequency at which the highest radiated emission occurs, fM. That limit is 0 dBm EIRP. It is acceptable to employ a different resolution bandwidth, and a correspondingly different peak emission limit,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

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

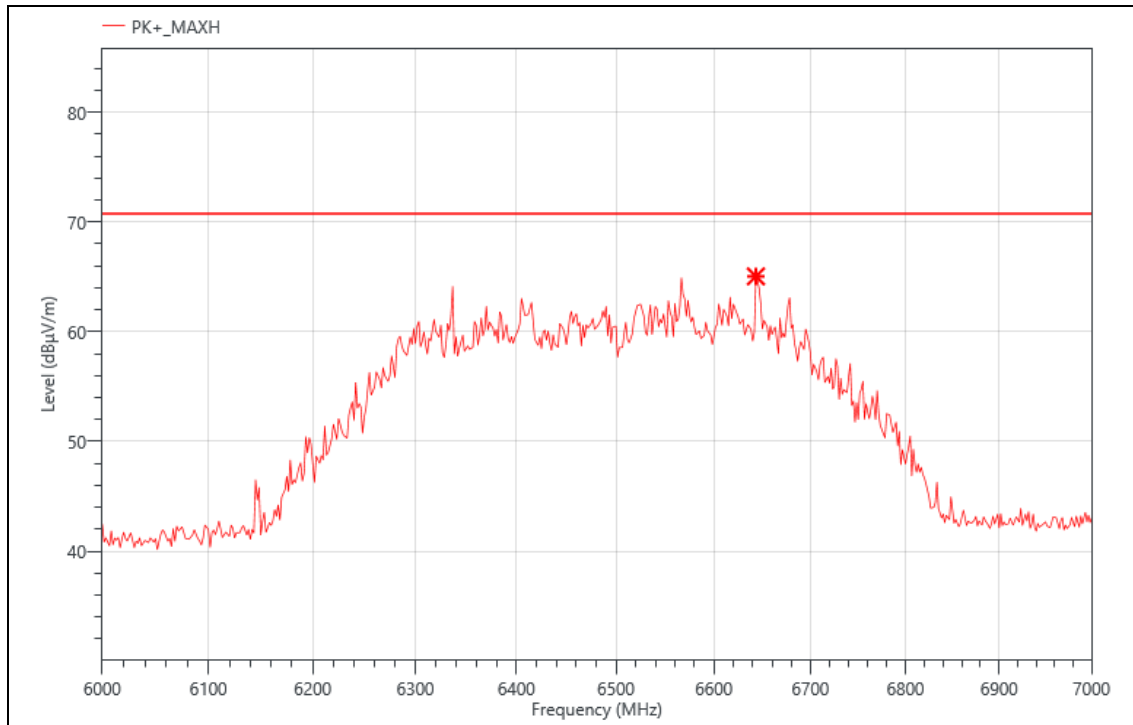
When a resolution bandwidth of less than 50 MHz is used, this measurement shall be performed over a 50 MHz span centered on the frequency associated with the highest detected average emission level.

TEST ENVIRONMENT

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

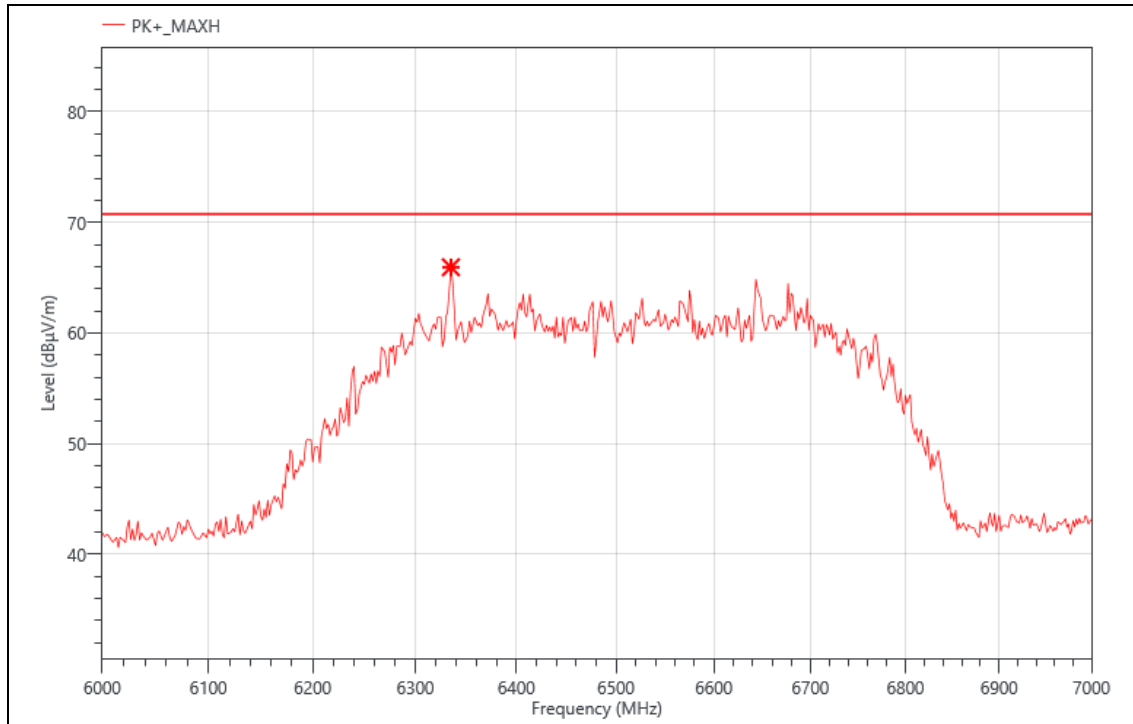
RESULTS

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	6643.333	73.37	-8.33	65.04	70.74	5.70	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	6335.000	74.13	-8.18	65.95	70.74	4.79	PK+	H

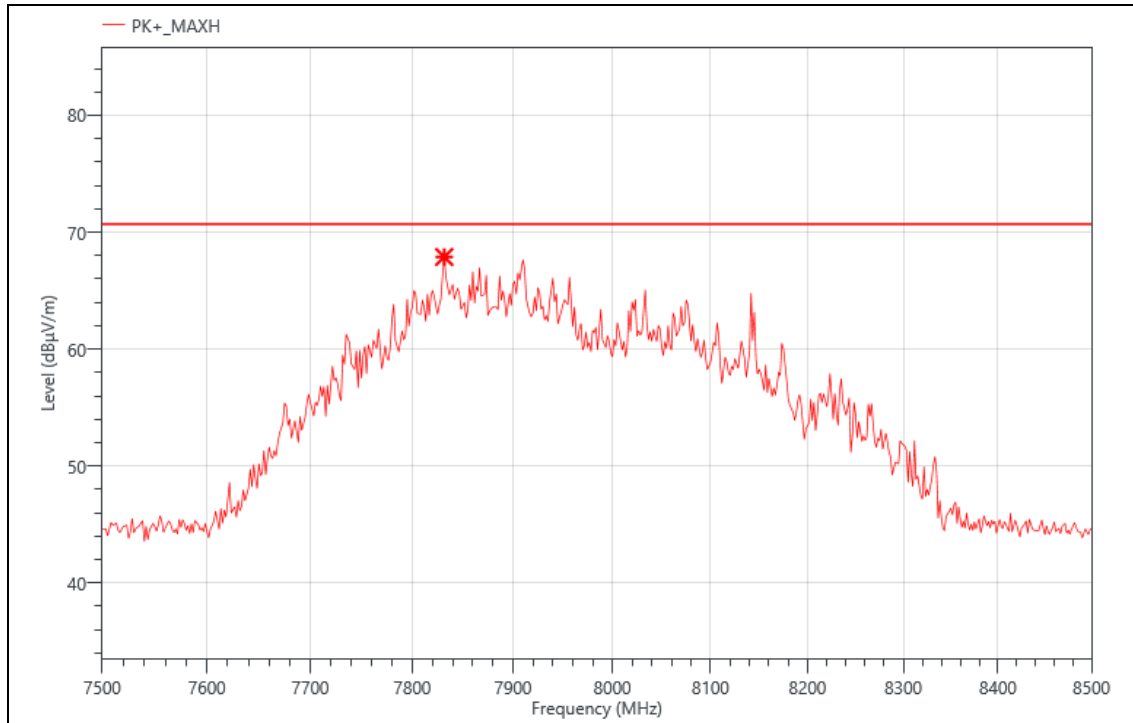
Note:

- 65.95 dBμV/m is 1m Test Results.
 - $65.95 \text{ dBμV/m} - 20 \cdot \log(3/1) = 65.95 - 9.54 = 56.41 \text{ dBμV/m@ 3m}$
 - $56.41 \text{ dBμV/m} - 95.2 = -38.79 \text{ dBm/1Mhz}$, $-38.79 \text{ dBm/1Mhz} + 34 = -4.79 \text{ dBm/50MHz}$.
- Limit is 0dBm/50MHz

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

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

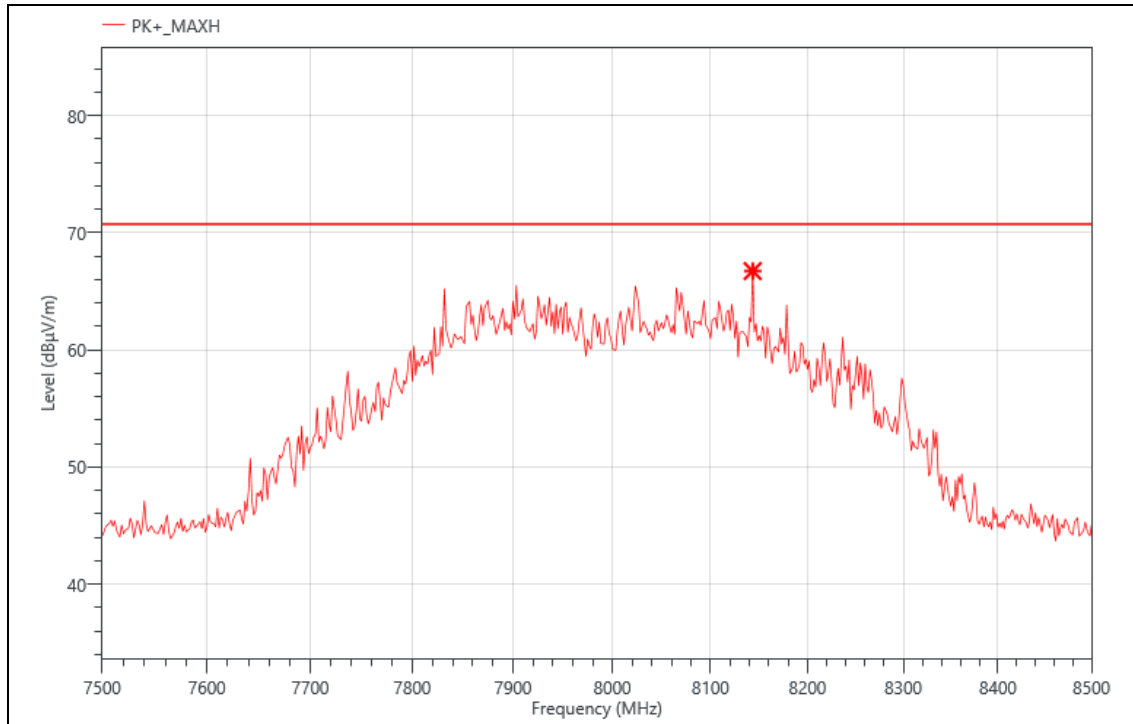
Mode:	7987.2 MHz
Power:	DC 57V
TE:	Berny
Date	2025/07/23
T/A/P	23.3°C/51%/101Kpa



Critical_Freqs

No.	Freq. (MHz)	Reading (dBμV)	Corr. (dB)	Meas. (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Det.	Pol.
1	7831.667	75.63	-7.75	67.88	70.74	2.86	PK+	V

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	8143.333	75.02	-8.29	66.73	70.74	4.01	PK+	H

Note:

- 67.88 dBμV/m is 1m Test Results.
 - $67.88 \text{ dBμV/m} - 20 \cdot \log(3/1) = 67.88 - 9.54 = 58.34 \text{ dBμV/m@ 3m}$
 - $58.34 \text{ dBμV/m} - 95.2 = -36.86 \text{ dBm/1Mhz}$, $-36.86 \text{ dBm/1Mhz} + 34 = -2.86 \text{ dBm/50MHz}$.
- Limit is 0dBm/50MHz

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

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

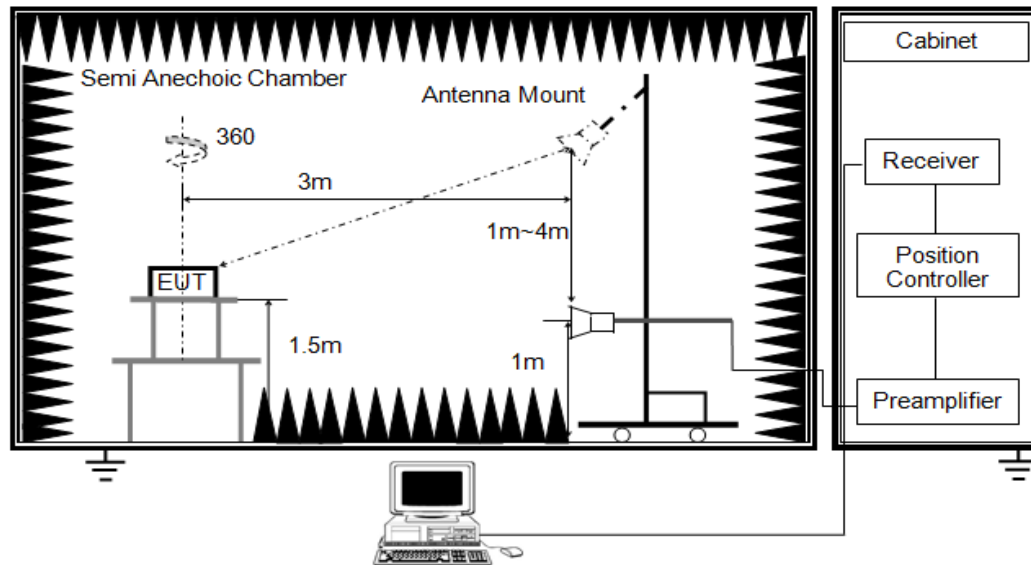
9. 10dBc UWB BANDWIDTH

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



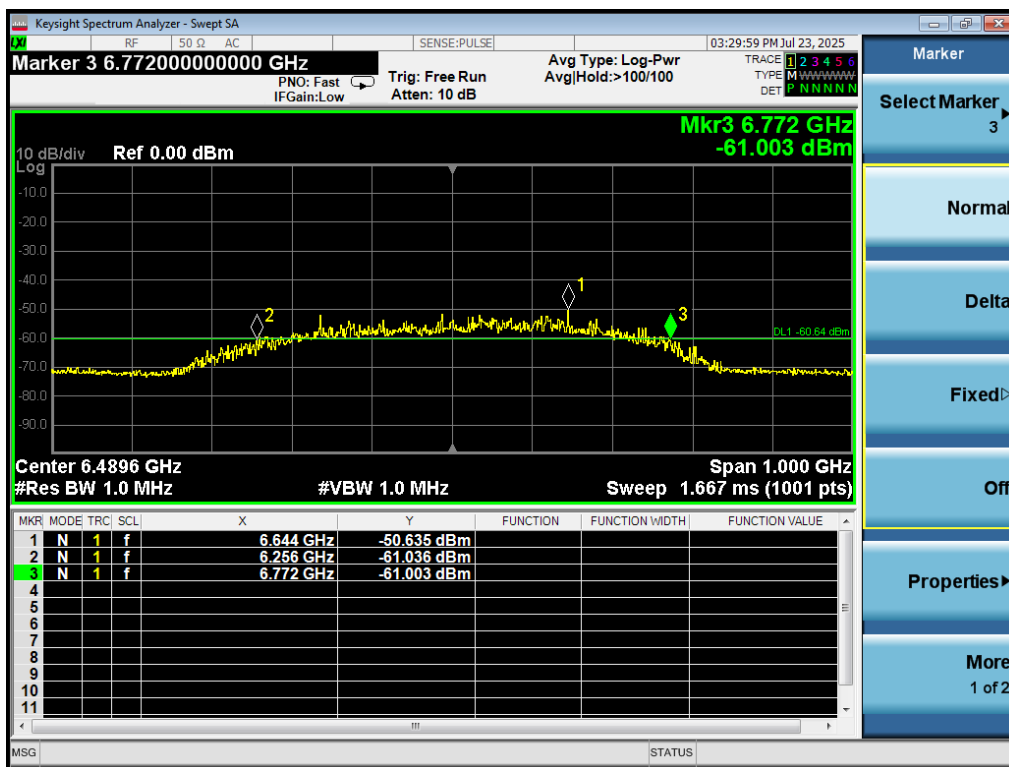
- For the lowest frequency bound f_L , the emission is searched from a frequency lower than f_M that has, by inspection, a peak power much lower than 10 dB less than the power at f_M and increased toward f_M until the peak power indicates 10 dB less than the power at f_M . The frequency of that segment 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

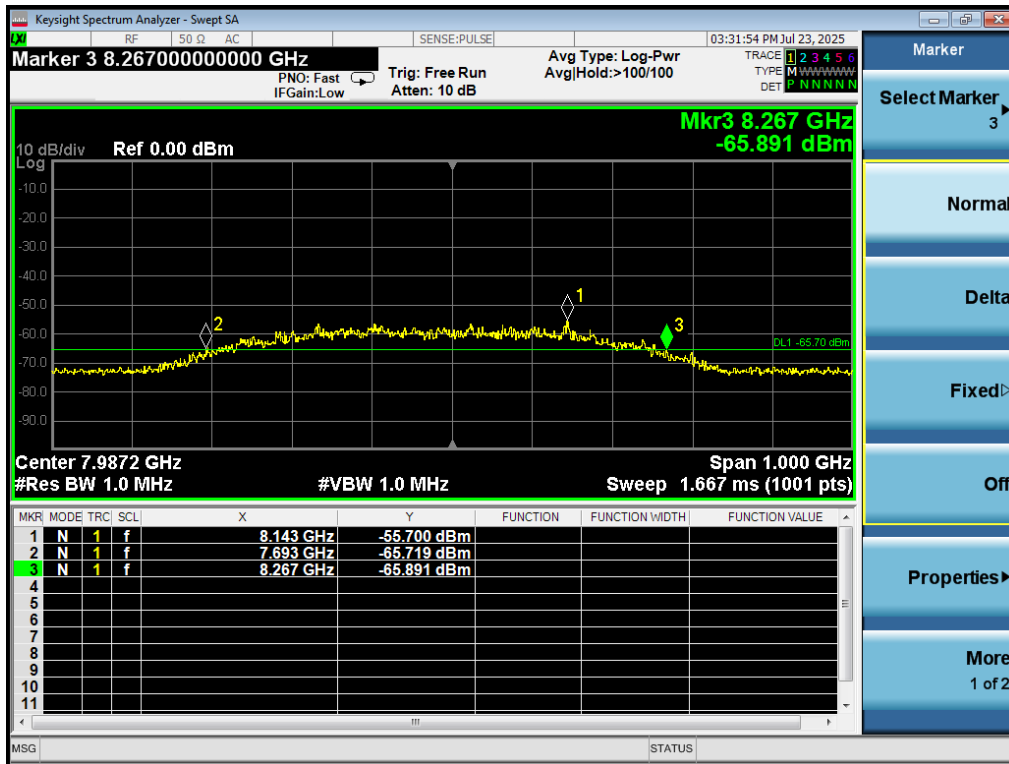
Temperature	24.6°C	Relative Humidity	52%
Atmosphere Pressure	101kPa		

RESULTS

Test Channel	f_M (MHz)	f_L (MHz)	f_H (MHz)	-10dB Bandwidth (MHz)	f_c (MHz)	Limit	Result
CH5	6489.6	6256	6772	516	6514	-10dB Bandwidth $\geq$ 500MHz	Pass
CH9	7987.2	7693	8267	574	7980	-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

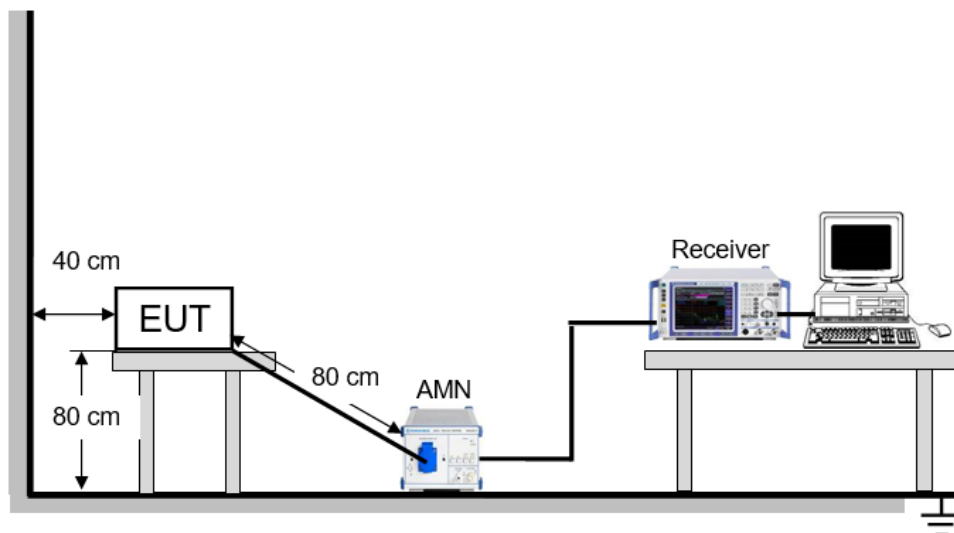
TEST PROCEDURE

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.

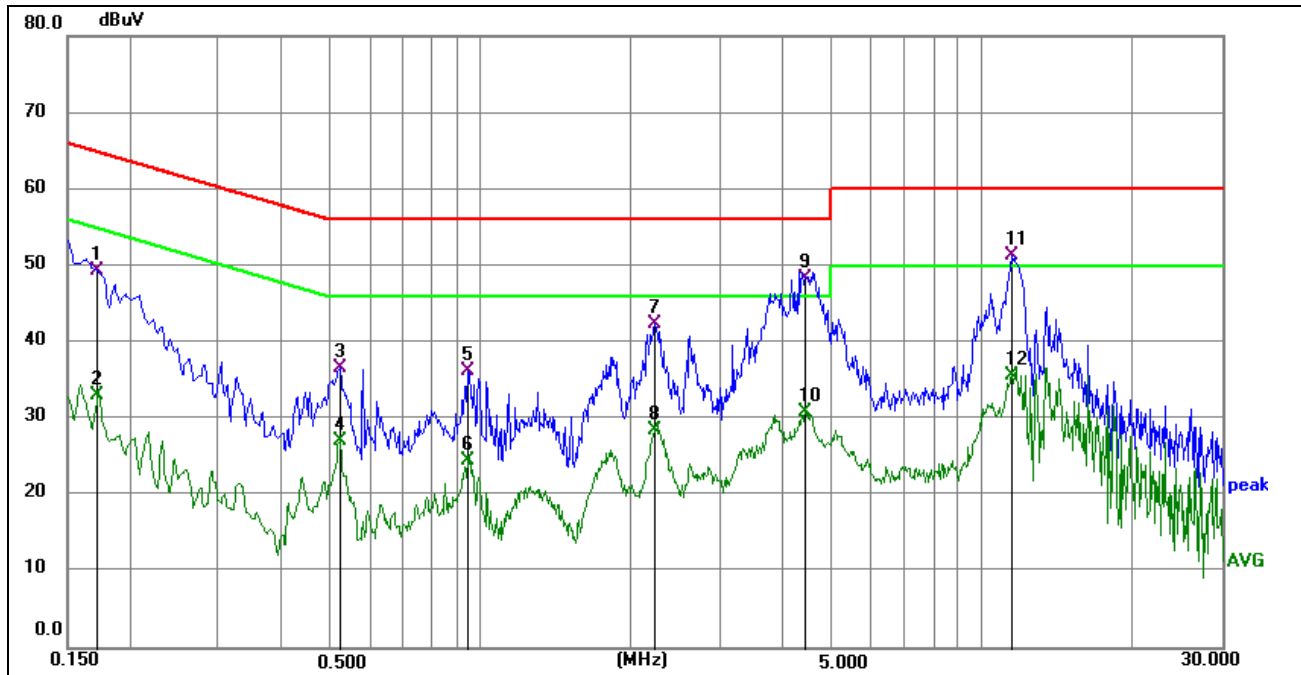
The arrangement of the equipment is installed to meet the standards and operating in a manner, which tends to maximize its emission characteristics in a normal application.

TEST SETUP



TEST ENVIRONMENT

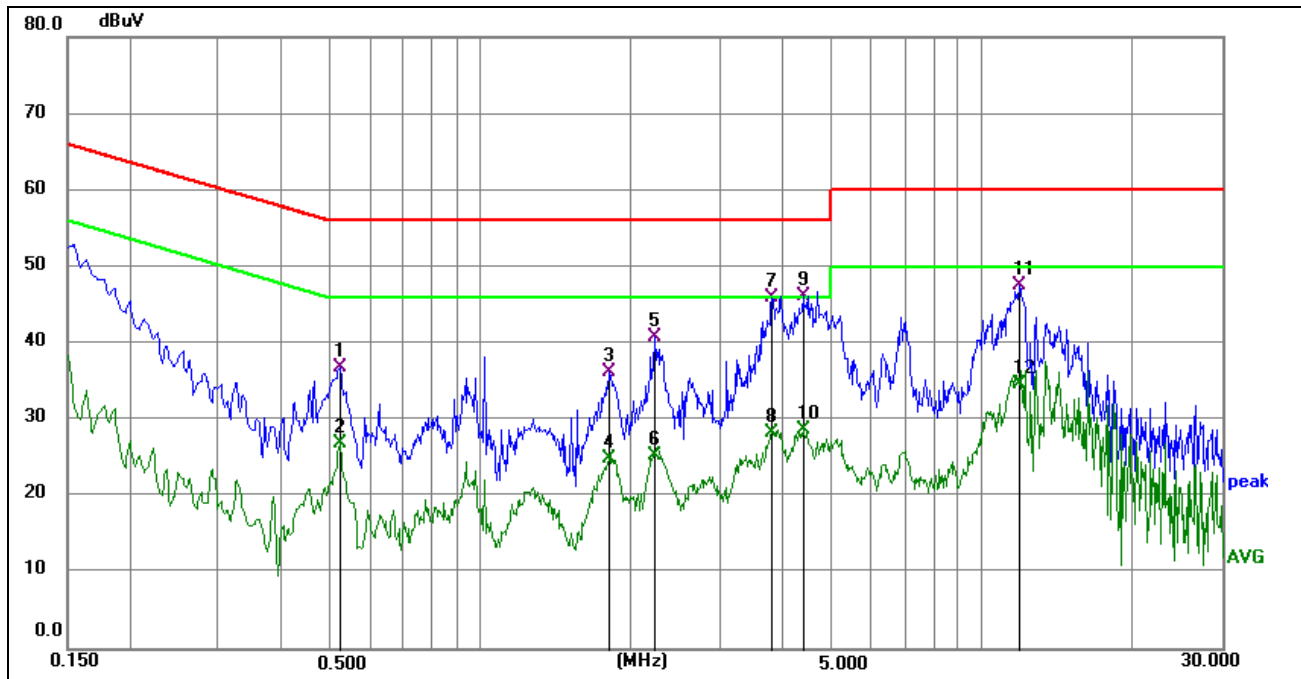
Temperature	23.2°C	Relative Humidity	53%
Atmosphere Pressure	101kPa		

TEST RESULTS

Phase: L1

Mode: 6489.6MHz

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.1720	39.52	9.77	49.29	64.86	-15.57	QP
2	0.1720	23.37	9.77	33.14	54.86	-21.72	AVG
3	0.5234	26.74	9.79	36.53	56.00	-19.47	QP
4	0.5234	17.37	9.79	27.16	46.00	-18.84	AVG
5	0.9465	26.32	9.81	36.13	56.00	-19.87	QP
6	0.9465	14.78	9.81	24.59	46.00	-21.41	AVG
7	2.2244	32.51	9.83	42.34	56.00	-13.66	QP
8	2.2244	18.74	9.83	28.57	46.00	-17.43	AVG
9	4.4520	38.56	9.86	48.42	56.00	-7.58	QP
10	4.4520	20.93	9.86	30.79	46.00	-15.21	AVG
11	11.4674	41.29	10.10	51.39	60.00	-8.61	QP
12	11.4674	25.50	10.10	35.60	50.00	-14.40	AVG



Phase: N

Mode: 6489.6MHz

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.5234	27.15	9.69	36.84	56.00	-19.16	QP
2	0.5234	17.25	9.69	26.94	46.00	-19.06	AVG
3	1.8015	26.42	9.72	36.14	56.00	-19.86	QP
4	1.8015	15.17	9.72	24.89	46.00	-21.11	AVG
5	2.2334	31.14	9.73	40.87	56.00	-15.13	QP
6	2.2334	15.62	9.73	25.35	46.00	-20.65	AVG
7	3.8130	36.19	9.75	45.94	56.00	-10.06	QP
8	3.8130	18.63	9.75	28.38	46.00	-17.62	AVG
9	4.3845	36.38	9.77	46.15	56.00	-9.85	QP
10	4.3845	18.85	9.77	28.62	46.00	-17.38	AVG
11	11.8094	37.35	10.11	47.46	60.00	-12.54	QP
12	11.8094	24.60	10.11	34.71	50.00	-15.29	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