TEST REPORT

Applicant Name :	Chongqing Xiegu Technology Co.,Ltd.
Address :	7-6, Incubator Building, Shuitu High-tech Park, Beibei District, Chongqing, China.
Report Number :	SZ4220608-25174E-RF
FCC ID:	2ANLH-G106

Test Standard (s)

FCC PART 15B

Sample Description

Product Type:	Hf transceiver
Model No.:	G106
Trade Mark:	XIEGU
Date Received:	2022-06-08
Date of Test:	2022-06-16 to 2022-07-19
Report Date:	2022-07-20

Test Result:	Pass*

* In the configuration tested, the EUT complied with the standards above.

Prepared and Checked By:

Andy.Yu
EMC Engineer

Approved By:

Candy Li
EMC Engineer

Note: This report may contain data that are not covered by the A2LA accreditation and are marked with an asterisk "★".

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GENERAL INFORMATION

Product Description for Equipment under Test (EUT)

Product	Hf transceiver
Tested Model	G106
Trade Mark:	XIEGU
Frequency Range	RX: 0.551-30MHz (Receiver) FM: 87-108MHz(Receiver and Scanning)
Modulation	FM/AM/USB/LSB/CW
Highest Operation Frequency	108MHz (provided by the applicant)
Voltage Range	DC 9-15V
Sample number	SZ4220608-25174E-RF-S1 (Assigned by ATC)
Sample/EUT Status	Good condition

Objective

This report is in accordance with Part 2-Subpart J, and Part 15-Subparts A and B of the Federal Communication Commission's rules.

The objective of the manufacturer is to determine the compliance of EUT with FCC Part 15, Class B device.

Test Methodology

All measurements contained in this report were conducted with ANSI C63.4-2014, American National Standard for Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the range of 9 kHz to 40 GHz.

All radiated and conducted emissions measurement was performed at Shenzhen Accurate Technology Co., Ltd. The radiated testing was performed at an antenna-to-EUT distance of 3 meters.

Measurement Uncertainty

Parameter		Uncertainty
RF Frequency		$0.082*10^{-7}$
RF output power, conducted		0.73dB
Unwanted Emission, conducted		1.6dB
Emissions, Radiated	9kHz - 30MHz	2.66dB
	30MHz - 1GHz	4.28dB
	1GHz - 18GHz	4.98dB
Temperature		1℃
Humidity		6%
Supply voltages		0.4%

Note: The extended uncertainty given in this report is obtained by combining the standard uncertainty times the coverage factor K with the 95% confidence interval. Otherwise required by the applicant or Product Regulations, Decision Rule in this report did not consider the uncertainty.

Test Facility

The test site used by Shenzhen Accurate Technology Co., Ltd. to collect test data is located on the 1/F., Building A, Changyuan New Material Port, Science & Industry Park, Nanshan District, Shenzhen, Guangdong, P.R. China.

The test site has been approved by the FCC under the KDB 974614 D01 and is listed in the FCC Public Access Link (PAL) database, FCC Registration No.: 708358, the FCC Designation No.: CN1189.

Accredited by American Association for Laboratory Accreditation (A2LA). The Certificate Number is 4297.01

The lab has been recognized by Innovation, Science and Economic Development Canada to test to Canadian radio equipment requirements, the CAB identifier: CN0016. The Registration Number is 5077A.

SYSTEM TEST CONFIGURATION

Justification

The system was configured for testing in a typical fashion (as normally used by a typical user).

Test mode 1: Receiver at FM 87MHz
Test mode 2: Receiver at FM 97.5MHz
Test mode 3: Receiver at FM 108MHz
Test mode 4: Receiver at AM 0.55MHz
Test mode 5: Receiver at AM 15.275MHz
Test mode 6: Receiver at AM 30MHz
Test mode 7: Receiver at USB 0.55MHz
Test mode 8: Receiver at USB 15.275MHz
Test mode 9: Receiver at USB 30MHz
Test mode 10: Receiver at LSB 0.55MHz
Test mode 11: Receiver at LSB 15.275MHz
Test mode 12: Receiver at LSB 30MHz
Test mode 13: Receiver at CW 0.55MHz
Test mode 14: Receiver at CW 15.275MHz
Test mode 15: Receiver at CW 30MHz
Test mode 16: Scannig (FM)

EUT Exercise Software

No exercise software.

Special Accessories

No special accessory was used.

Equipment Modifications

No modification was made to the EUT tested.

Support Equipment List and Details

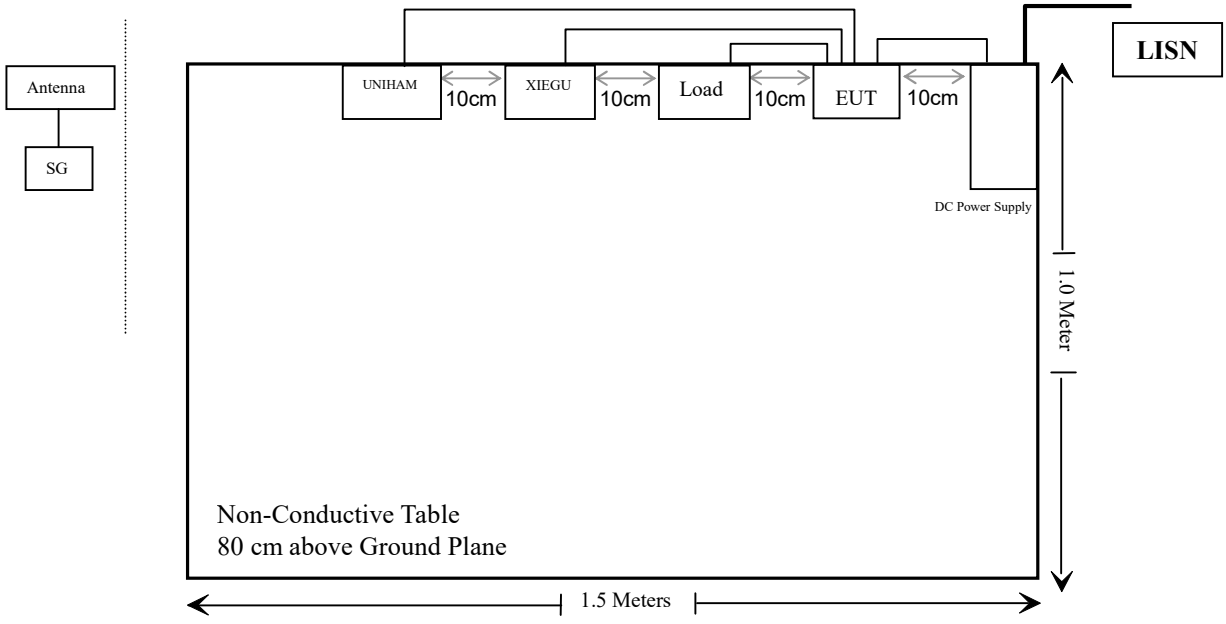
Manufacturer	Description	Model	Serial Number
UNI-T	DC Power Supply	UTP1306S	2109D0903324
Unknown	XIEGU	CE-19	153013AP52-220307
Unknown	UNIHAM	Uni-730G	Unknown
Unknown	Load	Unknown	Unknown

External I/O Cable

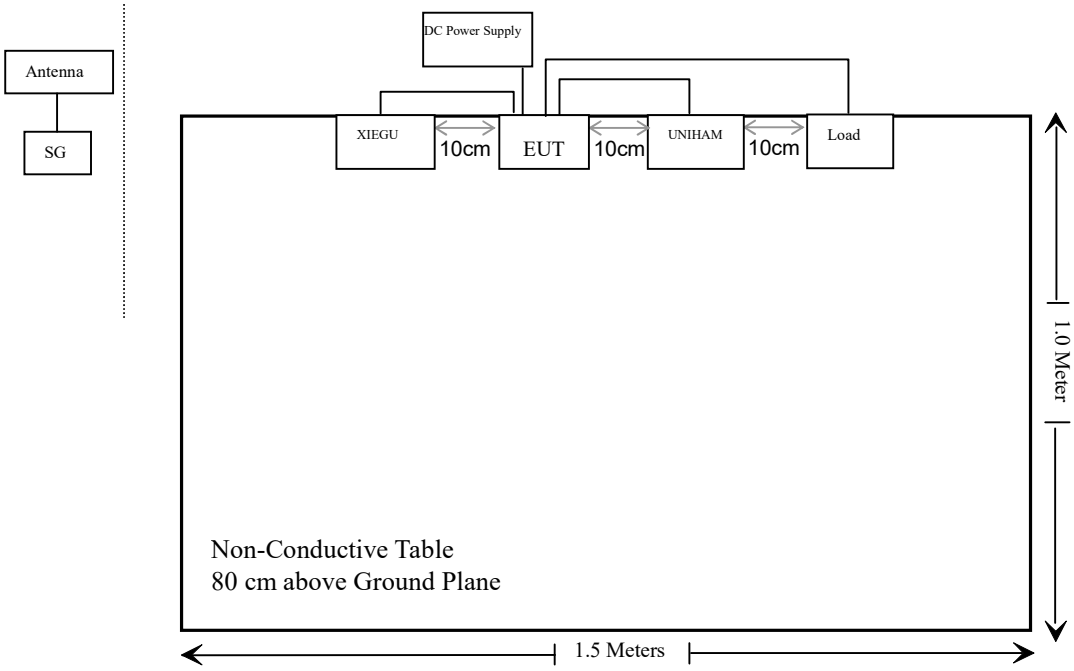
Cable Description	Length (m)	From Port	To Port
Un-shielding Detachable AC Cable	1.2	LISN	DC Power Supply
Un-shielding Detachable DC Cable	1.2	EUT	DC Power Supply
Un-shielding Detachable Audio Cable	1.2	EUT (Key Port)	UNIHAM
Un-shielding Detachable RF Cable	1.0	EUT (ACC Port)	XIEGU
Un-shielding Detachable RF Cable	1.5	EUT (Antenna Port)	Load
Un-shielding Detachable network Cable	0.5	EUT (MIC Port)	microphone

Block Diagram of Radiated Test Setup

For Conducted Emission



For Spurious Emission



SUMMARY OF TEST RESULTS

FCC Rules	Description of Test	Results
§15.107	Conducted Emissions	Compliant
§15.109	Radiated Emissions	Compliant
§15.111	Antenna Conducted Power for receivers	Compliant

TEST EQUIPMENT LIST

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Conducted Emission Test					
Rohde & Schwarz	EMI Test Receiver	ESCI	100784	2021/12/13	2022/12/12
Rohde & Schwarz	L.I.S.N.	ENV216	101314	2021/12/13	2022/12/12
Anritsu Corp	50 Coaxial Switch	MP59B	6100237248	2021/12/13	2022/12/12
Unknown	RF Coaxial Cable	No.17	N0350	2021/12/14	2022/12/13
Conducted Emission Test Software: e3 19821b (V9)					
Radiated Emissions Test					
Rohde & Schwarz	Test Receiver	ESR	102725	2021/12/13	2022/12/12
Rohde & Schwarz	Spectrum Analyzer	FSV40	101949	2021/12/13	2022/12/12
SONOMA INSTRUMENT	Amplifier	310 N	186131	2021/11/11	2022/11/10
Schwarzbeck	Bilog Antenna	VULB9163	9163-323	2021/07/06	2024/07/05
Agilent	Signal Generator	N5183A	MY51040755	2021/12/13	2022/12/12
Unknown	RF Coaxial Cable	No.12	N040	2021/12/14	2022/12/13
Unknown	RF Coaxial Cable	No.13	N300	2021/12/14	2022/12/13
Unknown	RF Coaxial Cable	No.14	N800	2021/12/14	2022/12/13
Radiated Emission Test Software: e3 19821b(V9)					
RF Conducted Test					
Rohde & Schwarz	Vector Signal Generator	SMBV100A	260434	2021/12/13	2022/12/12
Rohde & Schwarz	Spectrum Analyzer	FSV-40	101948	2021/12/13	2022/12/12
Unknown	RF Coaxial Cable	No.33	RF-03	Each time	Unknown

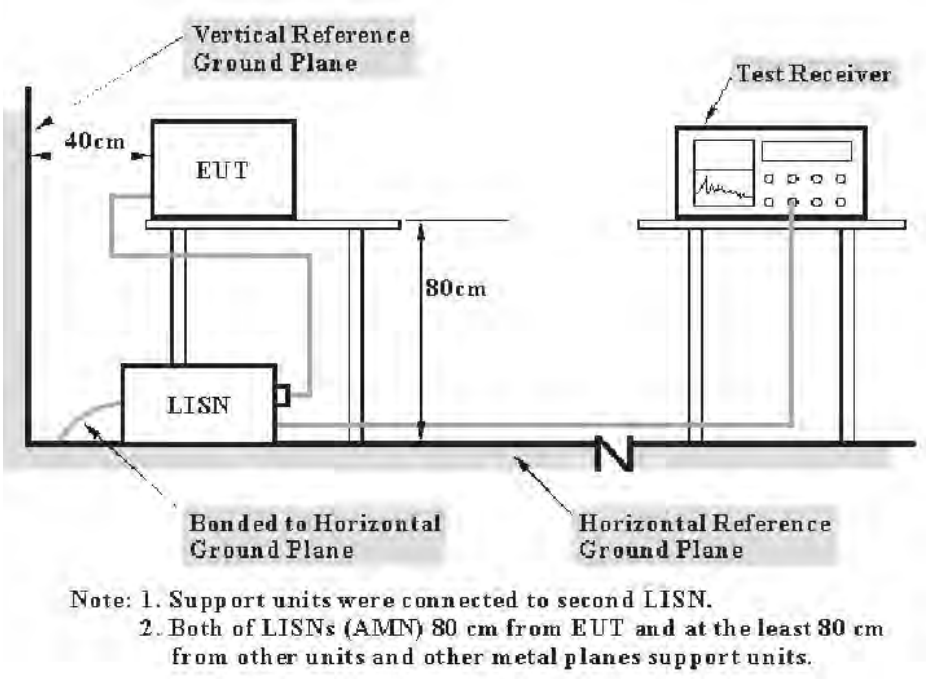
*** Statement of Traceability:** Shenzhen Accurate Technology Co., Ltd. attests that all calibrations have been performed in accordance to requirements that traceable to National Primary Standards and International System of Units (SI).

FCC §15.207 (a) – AC LINE CONDUCTED EMISSIONS

Applicable Standard

FCC §15.207(a)

EUT Setup



Note: 1. Support units were connected to second LISN.
2. Both of LISNs (AMN) 80 cm from EUT and at the least 80 cm from other units and other metal planes support units.

The measurement procedure of EUT setup is according with ANSI C63.10-2013. The related limit was specified in FCC Part 15.207.

The spacing between the peripherals was 10 cm.

EMI Test Receiver Setup

The EMI test receiver was set to investigate the spectrum from 150 kHz to 30 MHz.

During the conducted emission test, the EMI test receiver was set with the following configurations:

Frequency Range	IF B/W
150 kHz – 30 MHz	9 kHz

Test Procedure

During the conducted emission test, the adapter was connected to the outlet of the LISN.

Maximizing procedure was performed on the six (6) highest emissions of the EUT.

All final data was recorded in the Quasi-peak and average detection mode.

Factor & Margin Calculation

The factor is calculated by adding LISN VDF (Voltage Division Factor) and Cable Loss. The basic equation is as follows:

Factor = LISN VDF + Cable Loss

The "**Over limit**" column of the following data tables indicates the degree of compliance with the applicable limit. For example, an Over limit of -7 dB means the emission is 7 dB below the limit. The equation for calculation is as follows:

Over Limit = Level – Limit
Level = Read Level + Factor

Test Data

Environmental Conditions

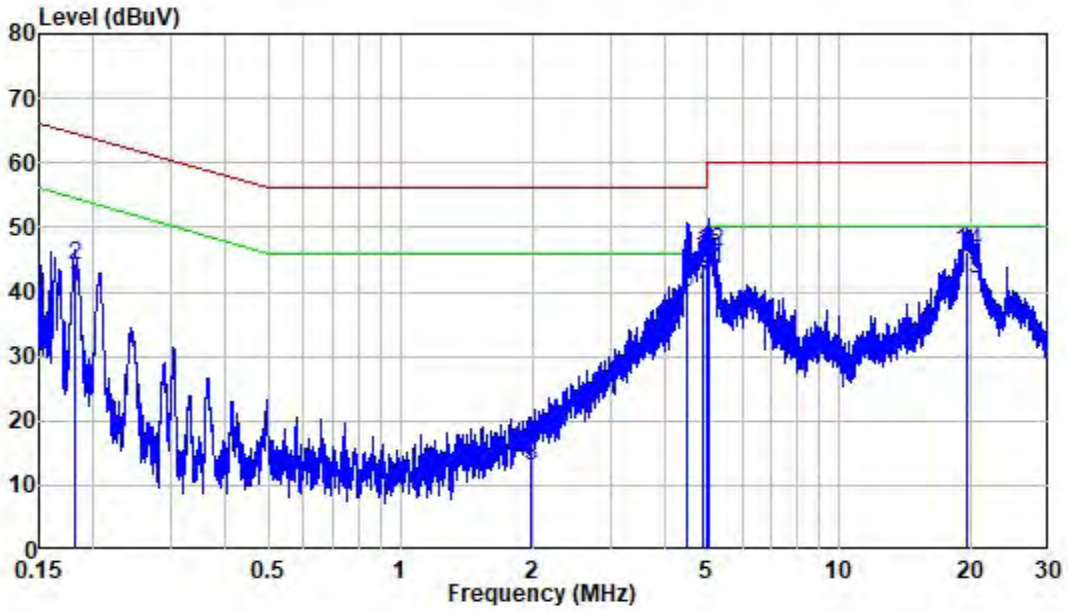
Temperature:	24 ℃
Relative Humidity:	61 %
ATM Pressure:	101.0 kPa

The testing was performed by Jason Liu on 2022-06-16.

EUT operation mode: FM/AM/USB/LSB/CW/Scannig(FM)

Test mode 1: Receiver at FM 87MHz

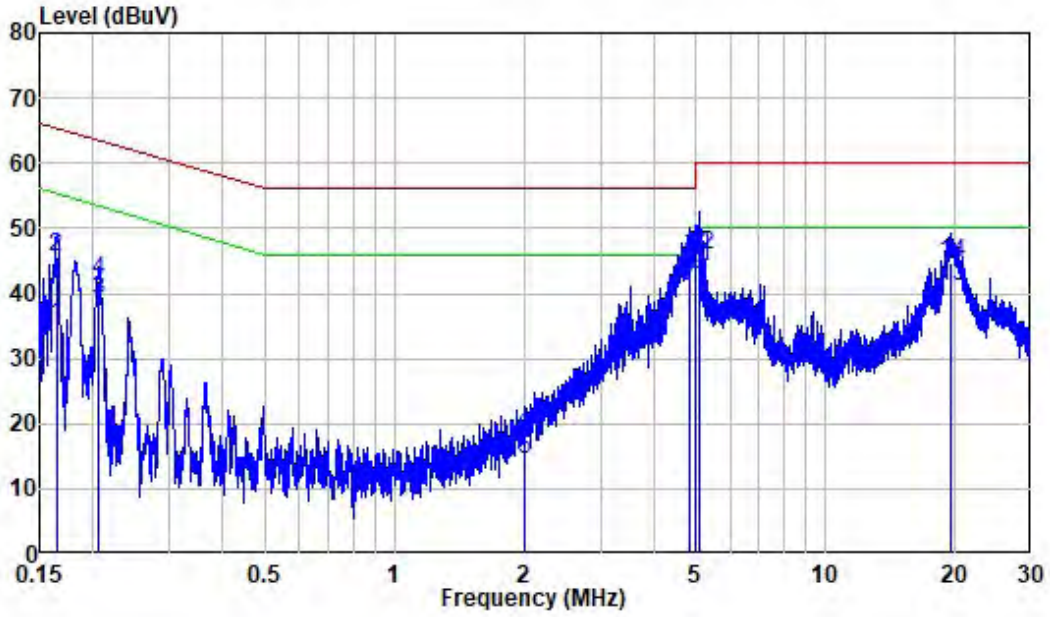
AC 120V/60 Hz, Line



Site : Shielding Room
Condition: Line
Mode : FM 87MHz
Model : G106

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dBuV	dBuV	dBuV	dB	
1	0.181	9.80	30.85	40.65	54.44	-13.79	Average
2	0.181	9.80	34.19	43.99	64.44	-20.45	QP
3	1.978	9.82	3.05	12.87	46.00	-33.13	Average
4	1.978	9.82	6.30	16.12	56.00	-39.88	QP
5	4.501	9.84	29.89	39.73	46.00	-6.27	Average
6	4.501	9.84	32.36	42.20	56.00	-13.80	QP
7	4.871	9.85	31.29	41.14	46.00	-4.86	Average
8	4.871	9.85	34.43	44.28	56.00	-11.72	QP
9	4.995	9.85	32.66	42.51	46.00	-3.49	Average
10	4.995	9.85	35.40	45.25	56.00	-10.75	QP
11	5.051	9.85	33.55	43.40	50.00	-6.60	Average
12	5.051	9.85	36.22	46.07	60.00	-13.93	QP
13	19.545	10.00	32.04	42.04	50.00	-7.96	Average
14	19.545	10.00	36.28	46.28	60.00	-13.72	QP

AC 120V/60 Hz, Neutral

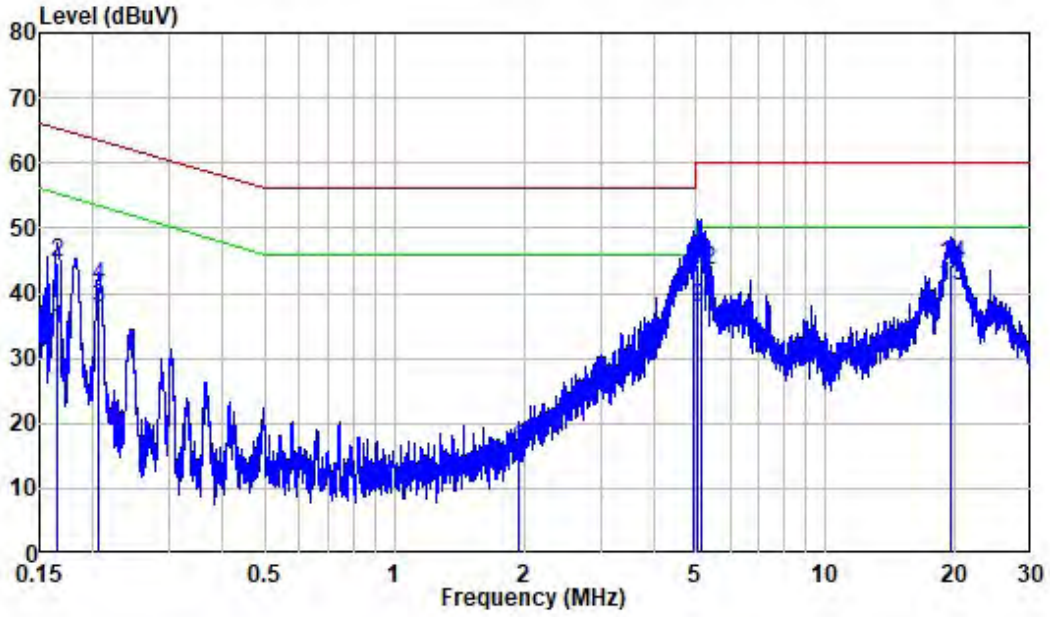


Site : Shielding Room
Condition: Neutral
Mode : FM 87MHz
Model : G106

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dBuV	dBuV	dBuV	dB	
1	0.164	9.80	25.28	35.08	55.26	-20.18	Average
2	0.164	9.80	35.80	45.60	65.26	-19.66	QP
3	0.206	9.80	29.02	38.82	53.35	-14.53	Average
4	0.206	9.80	32.01	41.81	63.35	-21.54	QP
5	2.000	9.82	4.69	14.51	46.00	-31.49	Average
6	2.000	9.82	7.92	17.74	56.00	-38.26	QP
7	4.848	9.88	31.09	40.97	46.00	-5.03	Average
8	4.848	9.88	34.59	44.47	56.00	-11.53	QP
9	4.968	9.89	32.96	42.85	46.00	-3.15	Average
10	4.968	9.89	36.02	45.91	56.00	-10.09	QP
11	5.075	9.89	34.21	44.10	50.00	-5.90	Average
12	5.075	9.89	35.93	45.82	60.00	-14.18	QP
13	19.506	10.10	31.05	41.15	50.00	-8.85	Average
14	19.506	10.10	34.57	44.67	60.00	-15.33	QP

Test mode 2: Receiver at FM 97.5MHz

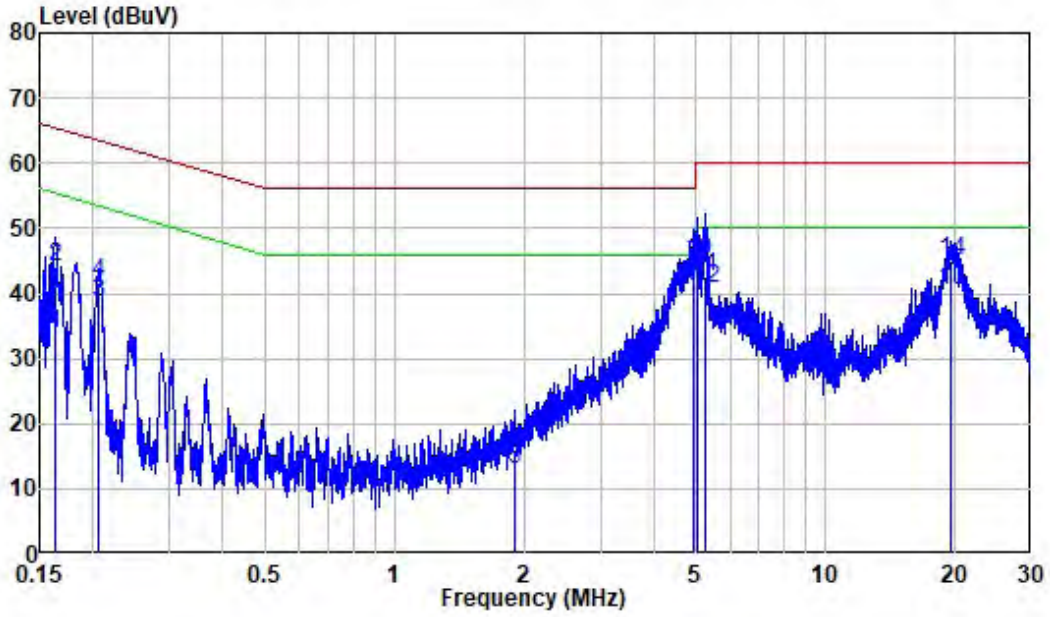
AC 120V/60 Hz, Line



Site : Shielding Room
Condition: Line
Mode : FM 97.5MHz
Model : G106

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dBuV	dBuV	dBuV	dB	
1	0.165	9.80	24.69	34.49	55.19	-20.70	Average
2	0.165	9.80	34.83	44.63	65.19	-20.56	QP
3	0.206	9.80	27.96	37.76	53.36	-15.60	Average
4	0.206	9.80	31.26	41.06	63.36	-22.30	QP
5	1.935	9.82	3.48	13.30	46.00	-32.70	Average
6	1.935	9.82	6.12	15.94	56.00	-40.06	QP
7	4.916	9.85	31.37	41.22	46.00	-4.78	Average
8	4.916	9.85	34.45	44.30	56.00	-11.70	QP
9	5.058	9.85	27.85	37.70	50.00	-12.30	Average
10	5.058	9.85	34.66	44.51	60.00	-15.49	QP
11	5.149	9.85	34.02	43.87	50.00	-6.13	Average
12	5.149	9.85	33.64	43.49	60.00	-16.51	QP
13	19.428	9.99	31.21	41.20	50.00	-8.80	Average
14	19.428	9.99	34.30	44.29	60.00	-15.71	QP

AC 120V/60 Hz, Neutral

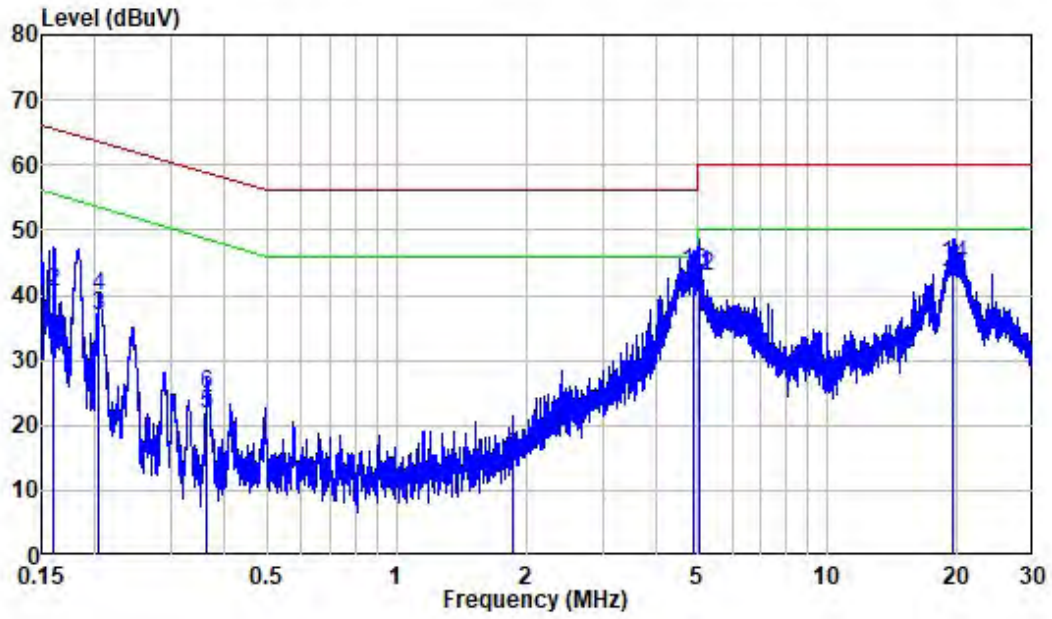


Site : Shielding Room
Condition: Neutral
Mode : FM 97.5MHz
Model : G106

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dBuV	dBuV	dBuV	dB	
1	0.163	9.80	24.00	33.80	55.33	-21.53	Average
2	0.163	9.80	34.42	44.22	65.33	-21.11	QP
3	0.206	9.80	28.94	38.74	53.38	-14.64	Average
4	0.206	9.80	31.95	41.75	63.38	-21.63	QP
5	1.903	9.82	3.27	13.09	46.00	-32.91	Average
6	1.903	9.82	5.94	15.76	56.00	-40.24	QP
7	4.929	9.89	31.23	41.12	46.00	-4.88	Average
8	4.929	9.89	34.36	44.25	56.00	-11.75	QP
9	5.035	9.89	34.06	43.95	50.00	-6.05	Average
10	5.035	9.89	35.07	44.96	60.00	-15.04	QP
11	5.253	9.90	32.75	42.65	50.00	-7.35	Average
12	5.253	9.90	30.86	40.76	60.00	-19.24	QP
13	19.583	10.10	30.28	40.38	50.00	-9.62	Average
14	19.583	10.10	34.76	44.86	60.00	-15.14	QP

Test mode 3: Receiver at FM 108MHz

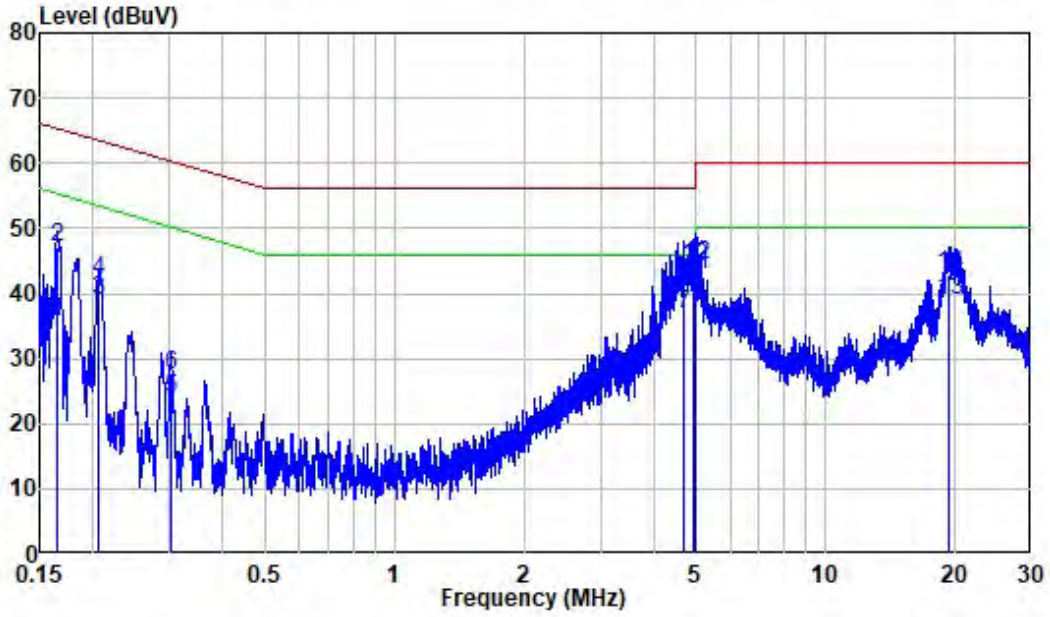
AC 120V/60 Hz, Line



Site : Shielding Room
Condition: Line
Mode : FM 108MHz
Model : G106

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dBuV	dBuV	dBuV	dB	
1	0.160	9.80	20.97	30.77	55.44	-24.67	Average
2	0.160	9.80	30.78	40.58	65.44	-24.86	QP
3	0.204	9.80	26.95	36.75	53.43	-16.68	Average
4	0.204	9.80	30.17	39.97	63.43	-23.46	QP
5	0.364	9.80	11.99	21.79	48.64	-26.85	Average
6	0.364	9.80	14.84	24.64	58.64	-34.00	QP
7	1.853	9.82	2.73	12.55	46.00	-33.45	Average
8	1.853	9.82	5.40	15.22	56.00	-40.78	QP
9	4.900	9.85	30.86	40.71	46.00	-5.29	Average
10	4.900	9.85	33.57	43.42	56.00	-12.58	QP
11	5.025	9.85	33.31	43.16	50.00	-6.84	Average
12	5.025	9.85	33.14	42.99	60.00	-17.01	QP
13	19.570	10.00	31.69	41.69	50.00	-8.31	Average
14	19.570	10.00	34.64	44.64	60.00	-15.36	QP

AC 120V/60 Hz, Neutral

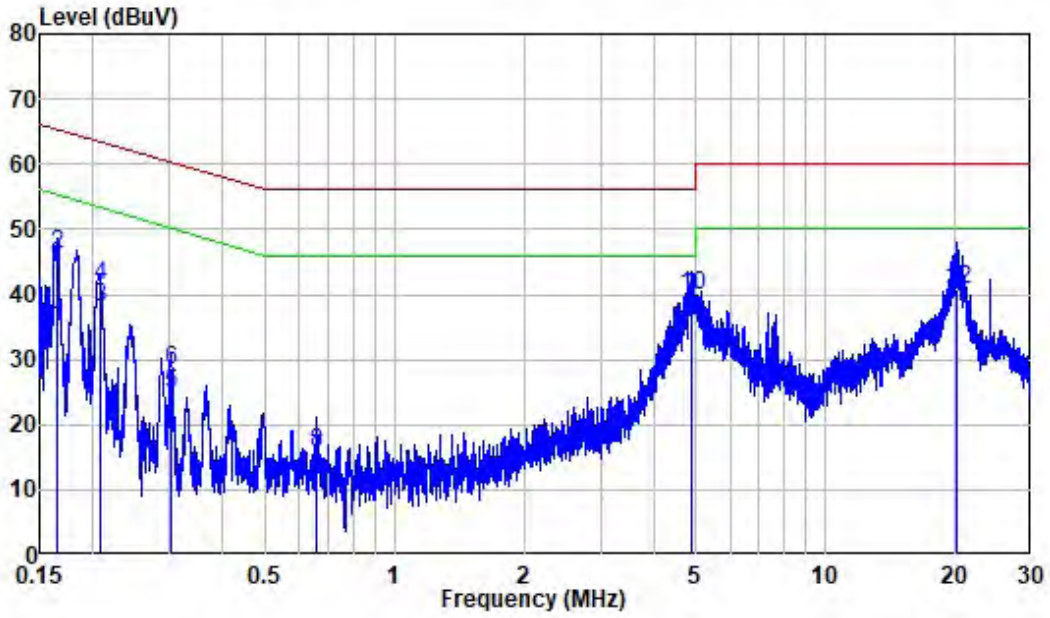


Site : Shielding Room
Condition: Neutral
Mode : FM 108MHz
Model : G106

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dBuV	dBuV	dBuV	dB	
1	0.165	9.80	25.80	35.60	55.21	-19.61	Average
2	0.165	9.80	37.21	47.01	65.21	-18.20	QP
3	0.207	9.80	29.14	38.94	53.34	-14.40	Average
4	0.207	9.80	32.09	41.89	63.34	-21.45	QP
5	0.303	9.80	14.20	24.00	50.16	-26.16	Average
6	0.303	9.80	17.63	27.43	60.16	-32.73	QP
7	4.665	9.88	26.92	36.80	46.00	-9.20	Average
8	4.665	9.88	31.26	41.14	56.00	-14.86	QP
9	4.939	9.89	31.74	41.63	46.00	-4.37	Average
10	4.939	9.89	34.04	43.93	56.00	-12.07	QP
11	4.998	9.89	33.00	42.89	46.00	-3.11	Average
12	4.998	9.89	34.36	44.25	56.00	-11.75	QP
13	19.313	10.09	28.91	39.00	50.00	-11.00	Average
14	19.313	10.09	32.63	42.72	60.00	-17.28	QP

Test mode 4: Receiver at AM 0.55MHz

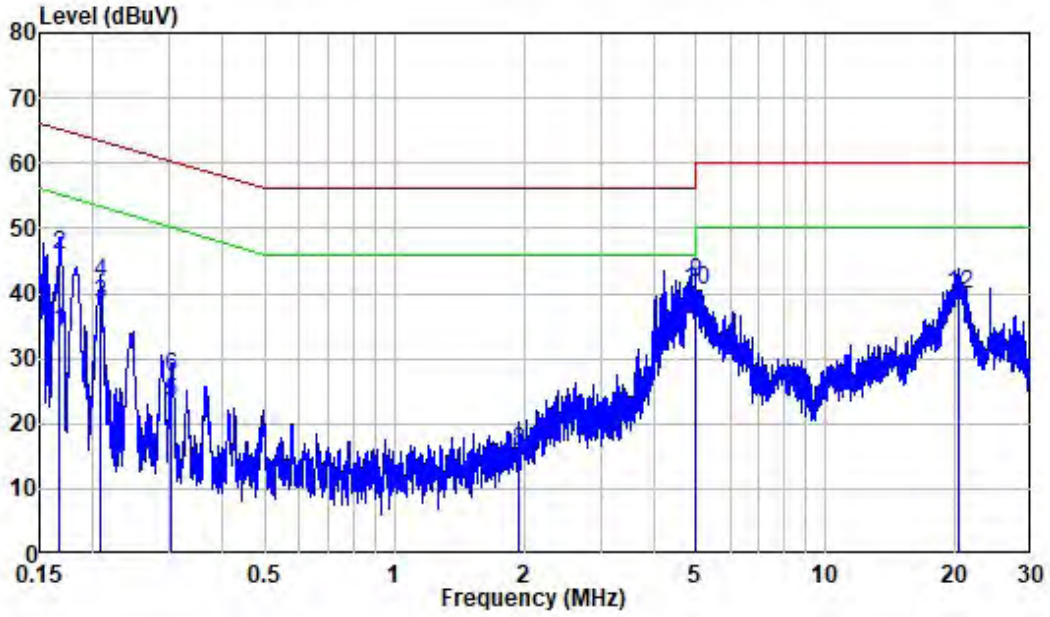
AC 120V/60 Hz, Line



Site : Shielding Room
Condition: Line
Mode : AM 0.55MHz
Model : G106

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dBuV	dBuV	dBuV	dB	
1	0.165	9.80	25.30	35.10	55.19	-20.09	Average
2	0.165	9.80	36.29	46.09	65.19	-19.10	QP
3	0.207	9.80	28.12	37.92	53.34	-15.42	Average
4	0.207	9.80	31.53	41.33	63.34	-22.01	QP
5	0.303	9.80	14.88	24.68	50.16	-25.48	Average
6	0.303	9.80	18.47	28.27	60.16	-31.89	QP
7	0.661	9.81	5.09	14.90	46.00	-31.10	Average
8	0.661	9.81	5.93	15.74	56.00	-40.26	QP
9	4.909	9.85	29.67	39.52	46.00	-6.48	Average
10	4.909	9.85	29.96	39.81	56.00	-16.19	QP
11	20.149	10.00	28.84	38.84	50.00	-11.16	Average
12	20.149	10.00	30.89	40.89	60.00	-19.11	QP

AC 120V/60 Hz, Neutral

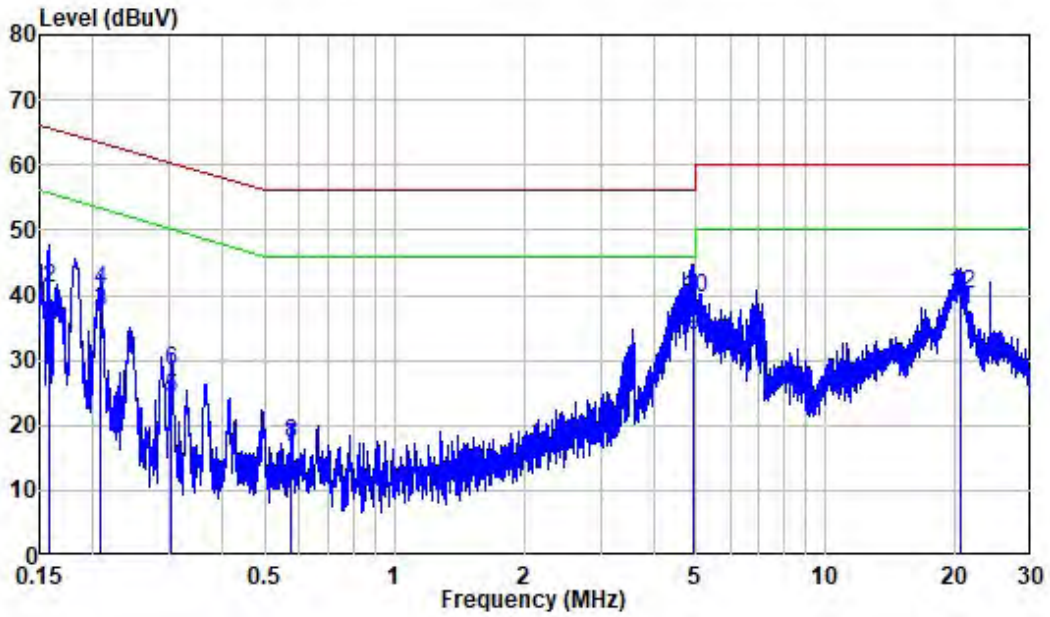


Site : Shielding Room
Condition: Neutral
Mode : AM 0.55MHz
Model : G106

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dBuV	dBuV	dBuV	dB	
1	0.167	9.80	24.45	34.25	55.09	-20.84	Average
2	0.167	9.80	36.19	45.99	65.09	-19.10	QP
3	0.208	9.80	28.63	38.43	53.30	-14.87	Average
4	0.208	9.80	31.79	41.59	63.30	-21.71	QP
5	0.304	9.80	13.42	23.22	50.12	-26.90	Average
6	0.304	9.80	17.39	27.19	60.12	-32.93	QP
7	1.936	9.82	3.51	13.33	46.00	-32.67	Average
8	1.936	9.82	5.86	15.68	56.00	-40.32	QP
9	4.991	9.89	31.86	41.75	46.00	-4.25	Average
10	4.991	9.89	30.60	40.49	56.00	-15.51	QP
11	20.283	10.10	26.61	36.71	50.00	-13.29	Average
12	20.283	10.10	29.76	39.86	60.00	-20.14	QP

Test mode 5: Receiver at AM 15.275MHz

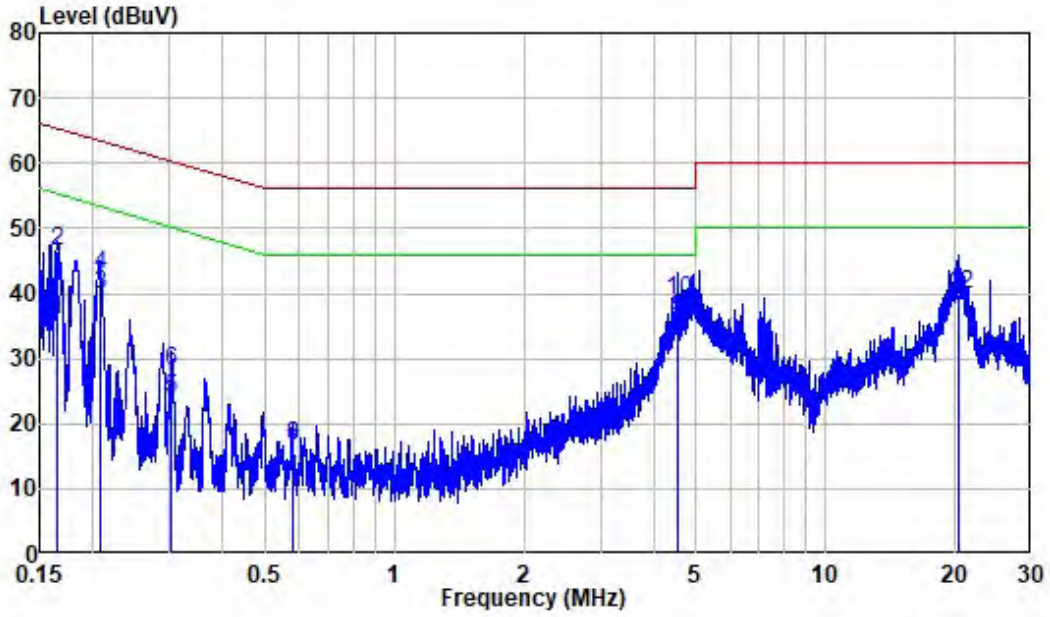
AC 120V/60 Hz, Line



Site : Shielding Room
Condition: Line
Mode : AM 15.275MHz
Model : G106

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dBuV	dBuV	dBuV	dB	
1	0.157	9.80	18.65	28.45	55.60	-27.15	Average
2	0.157	9.80	31.31	41.11	65.60	-24.49	QP
3	0.208	9.80	27.51	37.31	53.27	-15.96	Average
4	0.208	9.80	30.92	40.72	63.27	-22.55	QP
5	0.302	9.80	14.25	24.05	50.18	-26.13	Average
6	0.302	9.80	18.61	28.41	60.18	-31.77	QP
7	0.577	9.81	6.71	16.52	46.00	-29.48	Average
8	0.577	9.81	7.40	17.21	56.00	-38.79	QP
9	4.962	9.85	23.96	33.81	46.00	-12.19	Average
10	4.962	9.85	29.69	39.54	56.00	-16.46	QP
11	20.486	10.00	27.86	37.86	50.00	-12.14	Average
12	20.486	10.00	30.20	40.20	60.00	-19.80	QP

AC 120V/60 Hz, Neutral

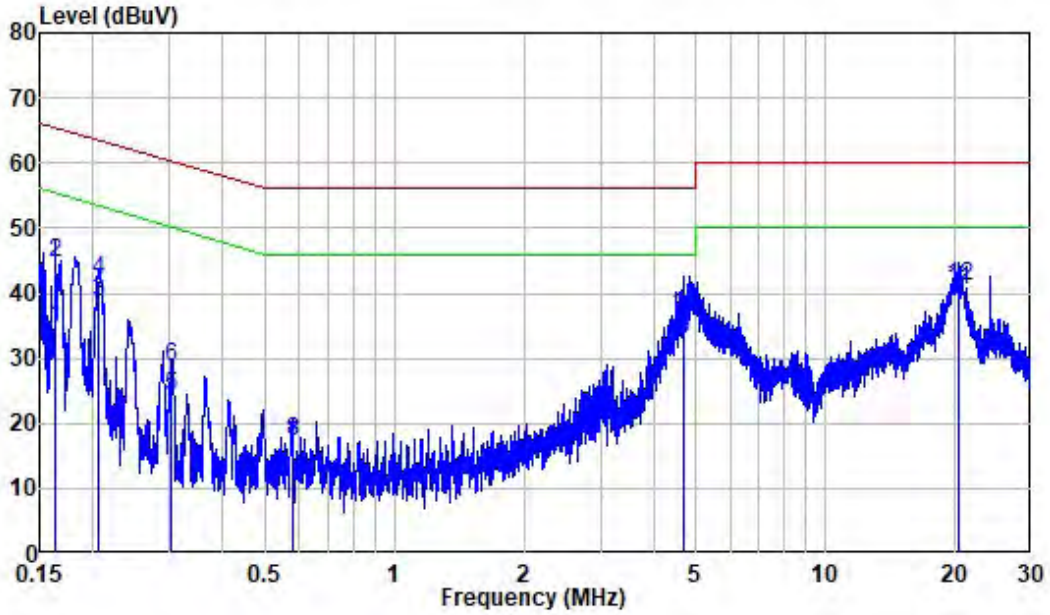


Site : Shielding Room
Condition: Neutral
Mode : AM 15.275MHz
Model : G106

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dBuV	dBuV	dBuV	dB	
1	0.165	9.80	26.27	36.07	55.19	-19.12	Average
2	0.165	9.80	36.76	46.56	65.19	-18.63	QP
3	0.207	9.80	30.13	39.93	53.34	-13.41	Average
4	0.207	9.80	33.06	42.86	63.34	-20.48	QP
5	0.303	9.80	13.94	23.74	50.15	-26.41	Average
6	0.303	9.80	18.20	28.00	60.15	-32.15	QP
7	0.578	9.81	5.69	15.50	46.00	-30.50	Average
8	0.578	9.81	6.65	16.46	56.00	-39.54	QP
9	4.537	9.87	26.44	36.31	46.00	-9.69	Average
10	4.537	9.87	29.07	38.94	56.00	-17.06	QP
11	20.377	10.10	27.31	37.41	50.00	-12.59	Average
12	20.377	10.10	29.66	39.76	60.00	-20.24	QP

Test mode 6: Receiver at AM 30MHz

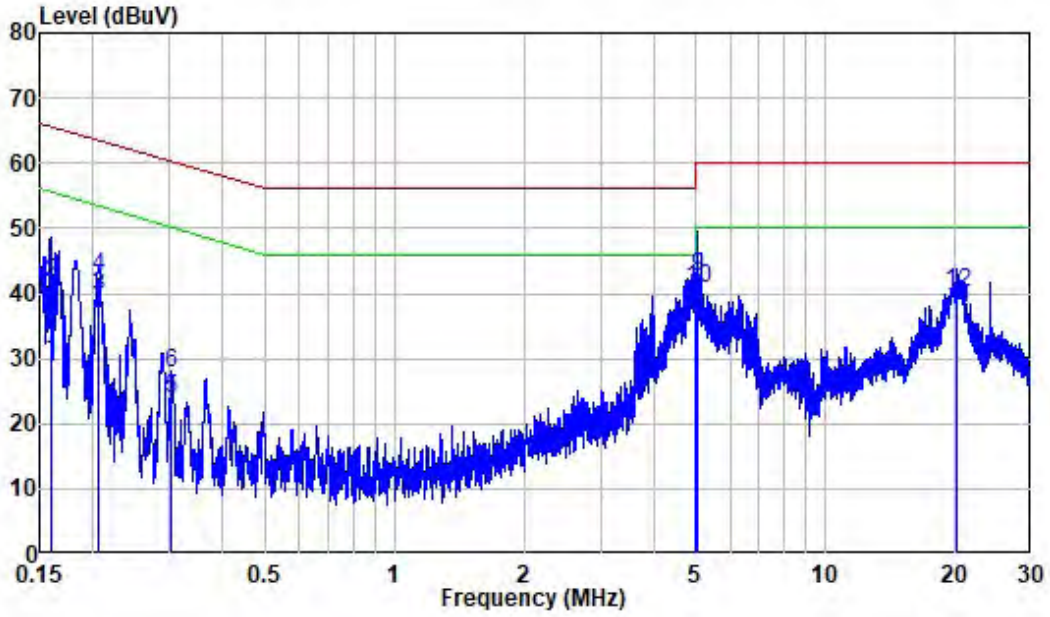
AC 120V/60 Hz, Line



Site : Shielding Room
Condition: Line
Mode : AM 30MHz
Model : G106

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dBuV	dBuV	dBuV	dB	
1	0.163	9.80	24.87	34.67	55.29	-20.62	Average
2	0.163	9.80	34.91	44.71	65.29	-20.58	QP
3	0.206	9.80	28.71	38.51	53.35	-14.84	Average
4	0.206	9.80	32.17	41.97	63.35	-21.38	QP
5	0.304	9.80	14.44	24.24	50.12	-25.88	Average
6	0.304	9.80	18.81	28.61	60.12	-31.51	QP
7	0.578	9.81	6.67	16.48	46.00	-29.52	Average
8	0.578	9.81	7.30	17.11	56.00	-38.89	QP
9	4.690	9.85	23.11	32.96	46.00	-13.04	Average
10	4.690	9.85	26.54	36.39	56.00	-19.61	QP
11	20.296	10.00	30.37	40.37	50.00	-9.63	Average
12	20.296	10.00	31.12	41.12	60.00	-18.88	QP

AC 120V/60 Hz, Neutral

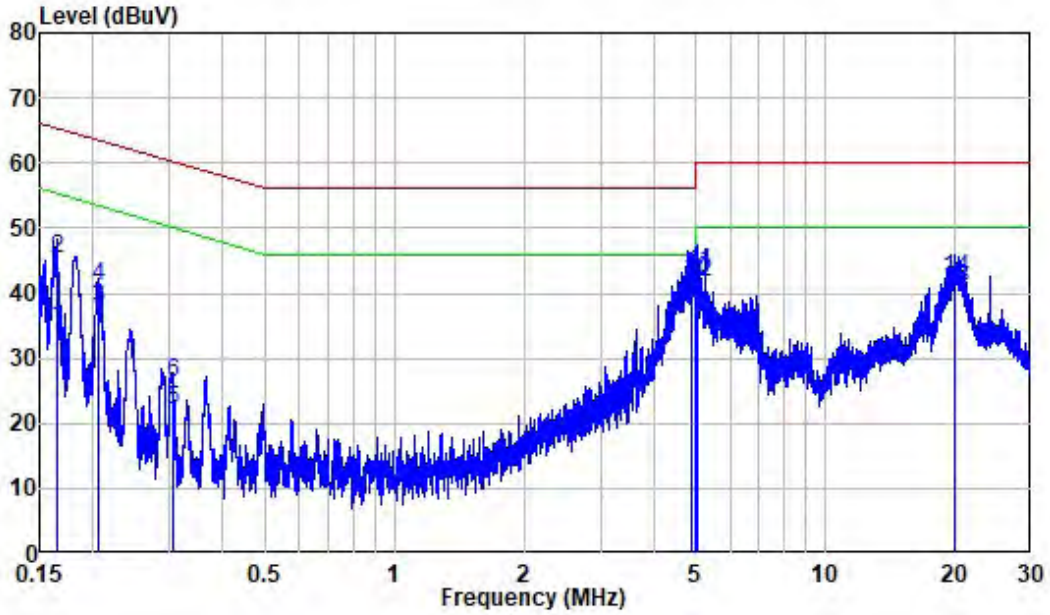


Site : Shielding Room
Condition: Neutral
Mode : AM 30MHz
Model : G106

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dBuV	dBuV	dBuV	dB	
1	0.159	9.80	19.72	29.52	55.52	-26.00	Average
2	0.159	9.80	31.74	41.54	65.52	-23.98	QP
3	0.206	9.80	29.87	39.67	53.37	-13.70	Average
4	0.206	9.80	32.88	42.68	63.37	-20.69	QP
5	0.303	9.80	14.08	23.88	50.16	-26.28	Average
6	0.303	9.80	18.02	27.82	60.16	-32.34	QP
7	4.975	9.89	27.57	37.46	46.00	-8.54	Average
8	4.975	9.89	29.58	39.47	56.00	-16.53	QP
9	5.038	9.89	32.70	42.59	50.00	-7.41	Average
10	5.038	9.89	30.84	40.73	60.00	-19.27	QP
11	20.203	10.10	27.57	37.67	50.00	-12.33	Average
12	20.203	10.10	30.05	40.15	60.00	-19.85	QP

Test mode 7: Receiver at USB 0.55MHz

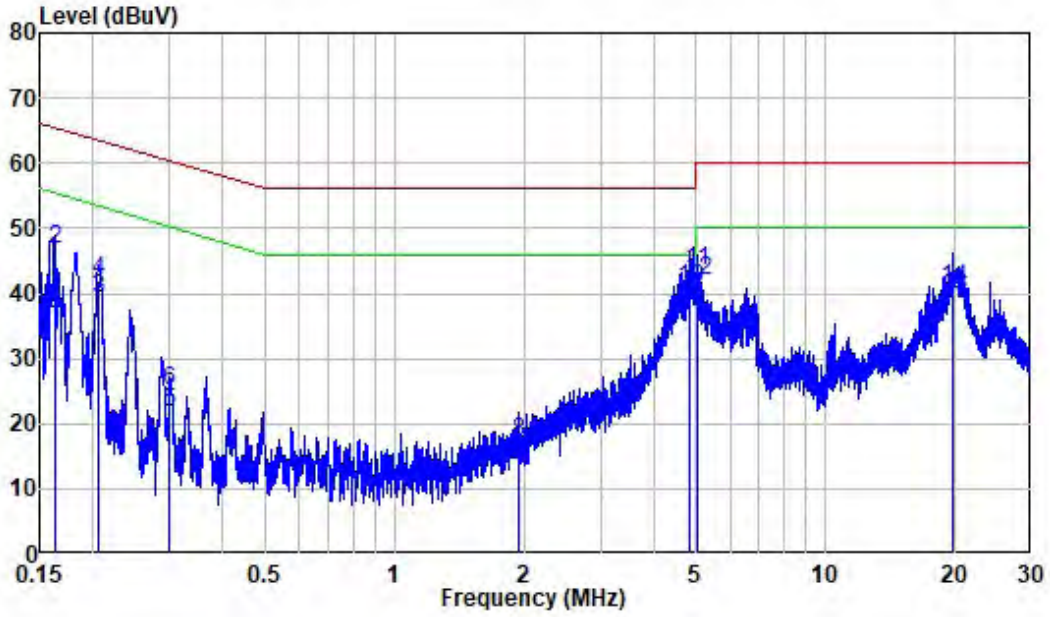
AC 120V/60 Hz, Line



Site : Shielding Room
Condition: Line
Mode : USB 0.55MHz
Model : G106

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dBuV	dBuV	dBuV	dB	
1	0.165	9.80	25.03	34.83	55.21	-20.38	Average
2	0.165	9.80	35.58	45.38	65.21	-19.83	QP
3	0.205	9.80	27.91	37.71	53.39	-15.68	Average
4	0.205	9.80	31.19	40.99	63.39	-22.40	QP
5	0.306	9.80	12.39	22.19	50.08	-27.89	Average
6	0.306	9.80	16.40	26.20	60.08	-33.88	QP
7	4.896	9.85	29.73	39.58	46.00	-6.42	Average
8	4.896	9.85	31.12	40.97	56.00	-15.03	QP
9	4.968	9.85	31.93	41.78	46.00	-4.22	Average
10	4.968	9.85	31.98	41.83	56.00	-14.17	QP
11	5.061	9.85	33.36	43.21	50.00	-6.79	Average
12	5.061	9.85	31.87	41.72	60.00	-18.28	QP
13	20.029	10.00	30.76	40.76	50.00	-9.24	Average
14	20.029	10.00	32.17	42.17	60.00	-17.83	QP

AC 120V/60 Hz, Neutral

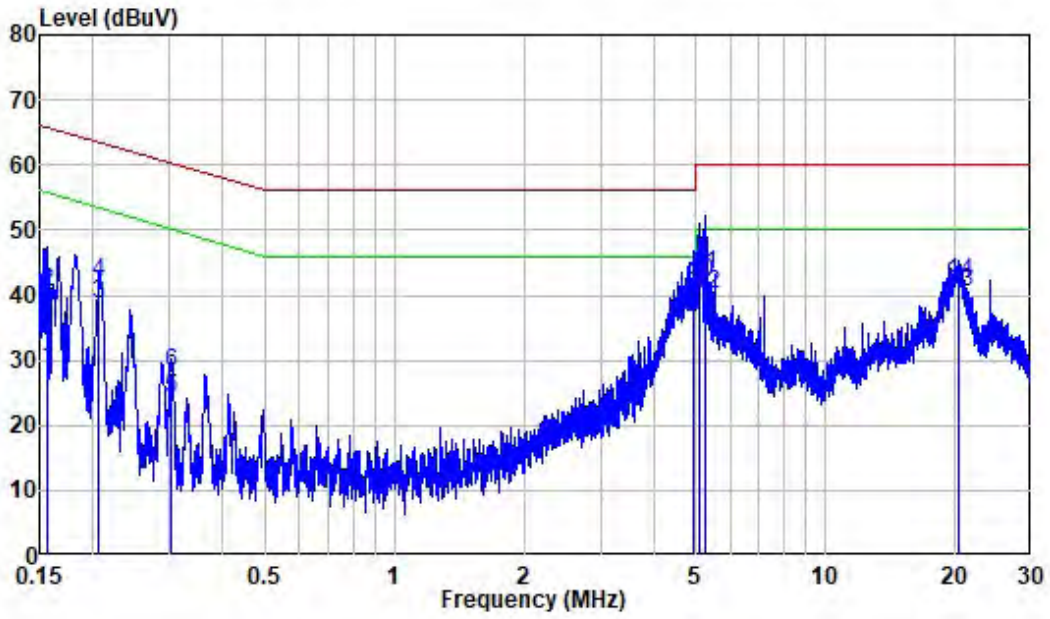


Site : Shielding Room
Condition: Neutral
Mode : USB 0.55MHz
Model : G106

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dBuV	dBuV	dBuV	dB	
1	0.163	9.80	25.23	35.03	55.30	-20.27	Average
2	0.163	9.80	36.90	46.70	65.30	-18.60	QP
3	0.206	9.80	29.37	39.17	53.37	-14.20	Average
4	0.206	9.80	32.30	42.10	63.37	-21.27	QP
5	0.300	9.80	11.86	21.66	50.23	-28.57	Average
6	0.300	9.80	15.28	25.08	60.23	-35.15	QP
7	1.939	9.82	4.57	14.39	46.00	-31.61	Average
8	1.939	9.82	7.31	17.13	56.00	-38.87	QP
9	4.845	9.88	28.53	38.41	46.00	-7.59	Average
10	4.845	9.88	30.83	40.71	56.00	-15.29	QP
11	5.031	9.89	33.55	43.44	50.00	-6.56	Average
12	5.031	9.89	32.16	42.05	60.00	-17.95	QP
13	19.727	10.10	29.49	39.59	50.00	-10.41	Average
14	19.727	10.10	30.75	40.85	60.00	-19.15	QP

Test mode 8: Receiver at USB 15.275MHz

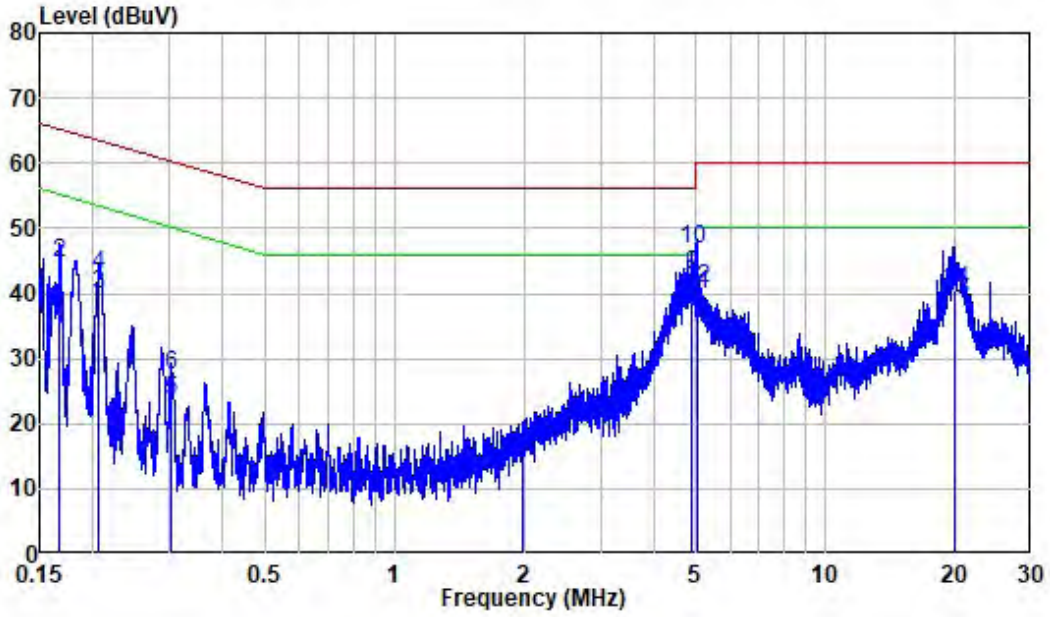
AC 120V/60 Hz, Line



Site : Shielding Room
Condition: Line
Mode : USB 15.275MHz
Model : G106

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dBuV	dBuV	dBuV	dB	
1	0.157	9.80	18.89	28.69	55.62	-26.93	Average
2	0.157	9.80	30.64	40.44	65.62	-25.18	QP
3	0.206	9.80	28.93	38.73	53.37	-14.64	Average
4	0.206	9.80	32.29	42.09	63.37	-21.28	QP
5	0.302	9.80	14.23	24.03	50.17	-26.14	Average
6	0.302	9.80	18.32	28.12	60.17	-32.05	QP
7	4.962	9.85	28.32	38.17	46.00	-7.83	Average
8	4.962	9.85	31.09	40.94	56.00	-15.06	QP
9	5.078	9.85	33.29	43.14	50.00	-6.86	Average
10	5.078	9.85	32.09	41.94	60.00	-18.06	QP
11	5.239	9.85	33.19	43.04	50.00	-6.96	Average
12	5.239	9.85	30.25	40.10	60.00	-19.90	QP
13	20.377	10.00	30.38	40.38	50.00	-9.62	Average
14	20.377	10.00	31.99	41.99	60.00	-18.01	QP

AC 120V/60 Hz, Neutral

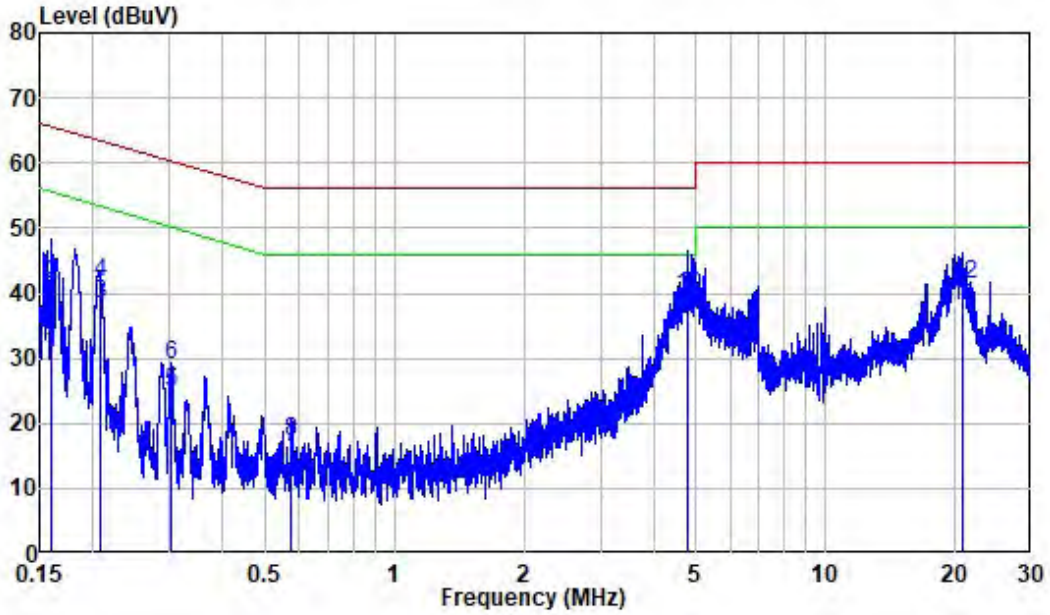


Site : Shielding Room
Condition: Neutral
Mode : USB 15.275MHz
Model : G106

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dBuV	dBuV	dBuV	dB	
1	0.167	9.80	24.53	34.33	55.09	-20.76	Average
2	0.167	9.80	34.75	44.55	65.09	-20.54	QP
3	0.207	9.80	30.12	39.92	53.34	-13.42	Average
4	0.207	9.80	33.08	42.88	63.34	-20.46	QP
5	0.303	9.80	13.75	23.55	50.17	-26.62	Average
6	0.303	9.80	17.58	27.38	60.17	-32.79	QP
7	1.991	9.82	3.06	12.88	46.00	-33.12	Average
8	1.991	9.82	4.57	14.39	56.00	-41.61	QP
9	4.893	9.89	32.92	42.81	46.00	-3.19	Average
10	4.893	9.89	36.95	46.84	56.00	-9.16	QP
11	5.018	9.89	29.94	39.83	50.00	-10.17	Average
12	5.018	9.89	30.87	40.76	60.00	-19.24	QP
13	19.884	10.10	28.83	38.93	50.00	-11.07	Average
14	19.884	10.10	30.22	40.32	60.00	-19.68	QP

Test mode 9: Receiver at USB 30MHz

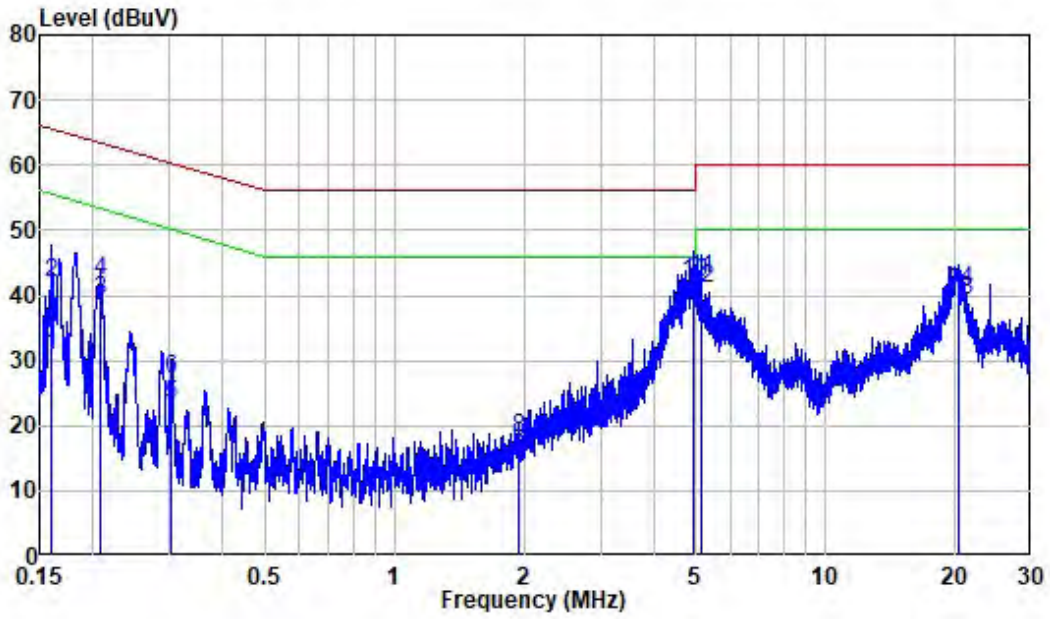
AC 120V/60 Hz, Line



Site : Shielding Room
Condition: Line
Mode : USB 30MHz
Model : G106

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dBuV	dBuV	dBuV	dB	
1	0.160	9.80	20.93	30.73	55.44	-24.71	Average
2	0.160	9.80	31.62	41.42	65.44	-24.02	QP
3	0.207	9.80	28.67	38.47	53.32	-14.85	Average
4	0.207	9.80	31.95	41.75	63.32	-21.57	QP
5	0.303	9.80	14.91	24.71	50.15	-25.44	Average
6	0.303	9.80	19.12	28.92	60.15	-31.23	QP
7	0.577	9.81	6.64	16.45	46.00	-29.55	Average
8	0.577	9.81	7.37	17.18	56.00	-38.82	QP
9	4.803	9.85	29.59	39.44	46.00	-6.56	Average
10	4.803	9.85	29.84	39.69	56.00	-16.31	QP
11	20.772	10.01	28.00	38.01	50.00	-11.99	Average
12	20.772	10.01	31.20	41.21	60.00	-18.79	QP

AC 120V/60 Hz, Neutral

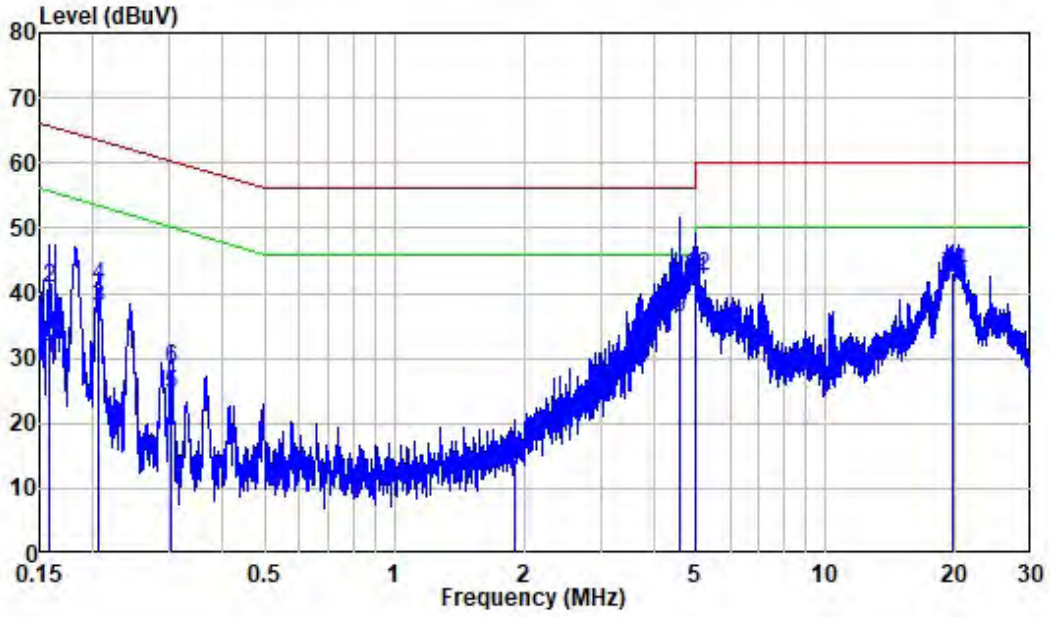


Site : Shielding Room
Condition: Neutral
Mode : USB 30MHz
Model : G106

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dBuV	dBuV	dBuV	dB	
1	0.160	9.80	21.11	30.91	55.46	-24.55	Average
2	0.160	9.80	32.16	41.96	65.46	-23.50	QP
3	0.208	9.80	29.43	39.23	53.30	-14.07	Average
4	0.208	9.80	32.47	42.27	63.30	-21.03	QP
5	0.304	9.80	13.56	23.36	50.12	-26.76	Average
6	0.304	9.80	17.43	27.23	60.12	-32.89	QP
7	1.940	9.82	5.78	15.60	46.00	-30.40	Average
8	1.940	9.82	8.32	18.14	56.00	-37.86	QP
9	4.916	9.89	30.50	40.39	46.00	-5.61	Average
10	4.916	9.89	32.07	41.96	56.00	-14.04	QP
11	5.122	9.89	32.63	42.52	50.00	-7.48	Average
12	5.122	9.89	31.28	41.17	60.00	-18.83	QP
13	20.377	10.10	29.13	39.23	50.00	-10.77	Average
14	20.377	10.10	30.56	40.66	60.00	-19.34	QP

Test mode 10: Receiver at LSB 0.55MHz

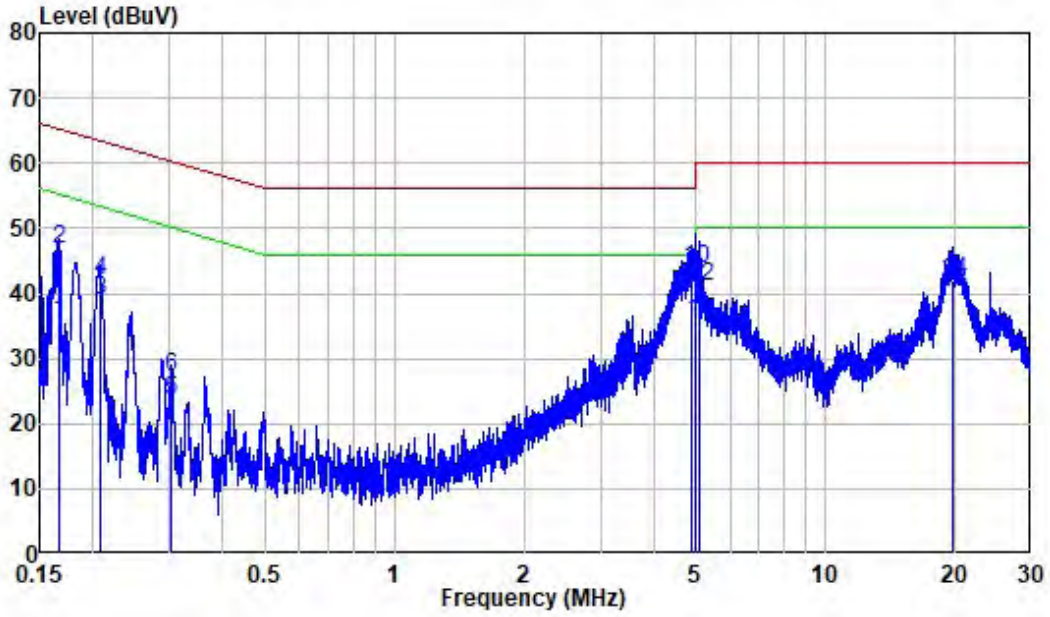
AC 120V/60 Hz, Line



Site : Shielding Room
Condition: Line
Mode : LSB 0.55MHz
Model : G106

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dBuV	dBuV	dBuV	dB	
1	0.159	9.80	20.16	29.96	55.54	-25.58	Average
2	0.159	9.80	30.90	40.70	65.54	-24.84	QP
3	0.206	9.80	28.03	37.83	53.35	-15.52	Average
4	0.206	9.80	31.32	41.12	63.35	-22.23	QP
5	0.303	9.80	14.77	24.57	50.15	-25.58	Average
6	0.303	9.80	18.54	28.34	60.15	-31.81	QP
7	1.908	9.82	1.91	11.73	46.00	-34.27	Average
8	1.908	9.82	4.17	13.99	56.00	-42.01	QP
9	4.589	9.85	26.30	36.15	46.00	-9.85	Average
10	4.589	9.85	29.86	39.71	56.00	-16.29	QP
11	4.978	9.85	32.20	42.05	46.00	-3.95	Average
12	4.978	9.85	32.70	42.55	56.00	-13.45	QP
13	19.727	10.00	30.93	40.93	50.00	-9.07	Average
14	19.727	10.00	33.19	43.19	60.00	-16.81	QP

AC 120V/60 Hz, Neutral

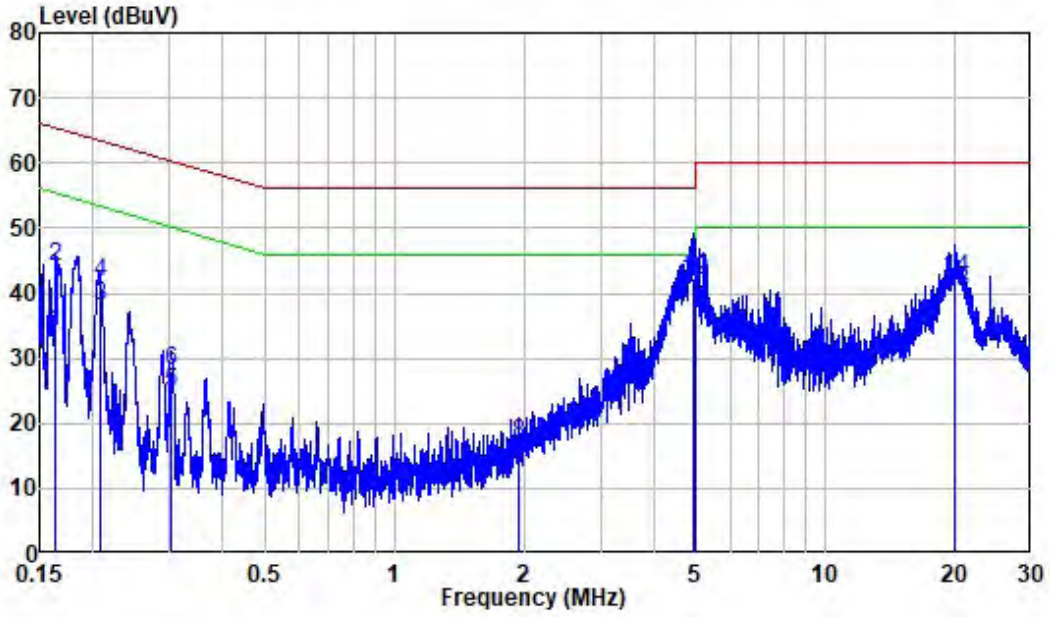


Site : Shielding Room
Condition: Neutral
Mode : LSB 0.55MHz
Model : G106

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dBuV	dBuV	dBuV	dB	
1	0.166	9.80	25.81	35.61	55.16	-19.55	Average
2	0.166	9.80	37.05	46.85	65.16	-18.31	QP
3	0.207	9.80	29.12	38.92	53.33	-14.41	Average
4	0.207	9.80	32.08	41.88	63.33	-21.45	QP
5	0.304	9.80	13.74	23.54	50.13	-26.59	Average
6	0.304	9.80	17.45	27.25	60.13	-32.88	QP
7	4.880	9.89	30.62	40.51	46.00	-5.49	Average
8	4.880	9.89	32.66	42.55	56.00	-13.45	QP
9	4.988	9.89	32.54	42.43	46.00	-3.57	Average
10	4.988	9.89	33.98	43.87	56.00	-12.13	QP
11	5.085	9.89	25.76	35.65	50.00	-14.35	Average
12	5.085	9.89	31.20	41.09	60.00	-18.91	QP
13	19.766	10.10	29.96	40.06	50.00	-9.94	Average
14	19.766	10.10	31.89	41.99	60.00	-18.01	QP

Test mode 11: Receiver at LSB 15.275MHz

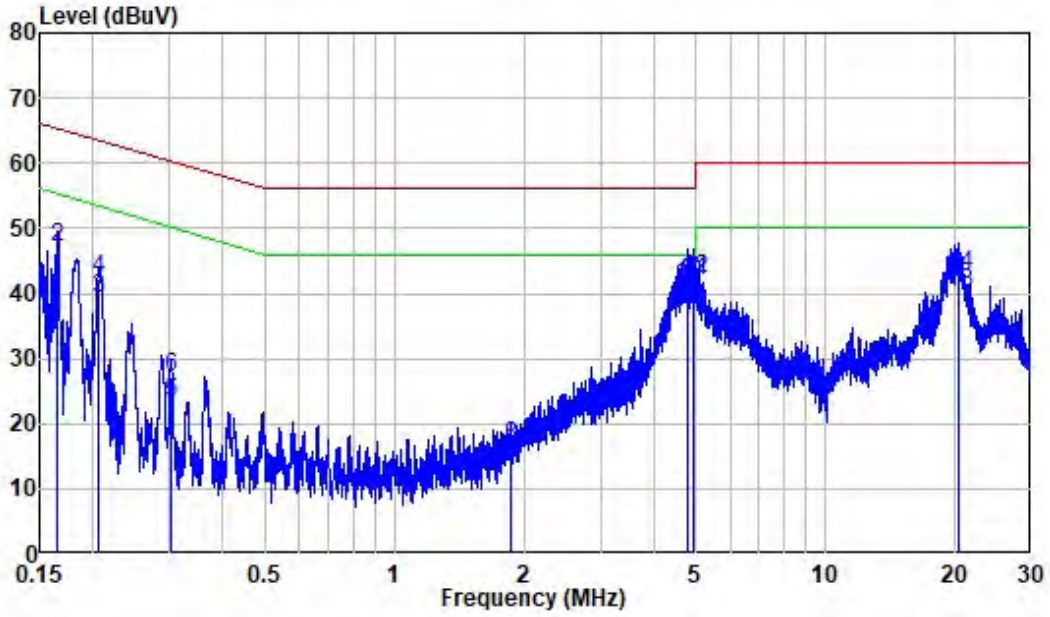
AC 120V/60 Hz, Line



Site : Shielding Room
Condition: Line
Mode : LSB 15.275MHz
Model : G106

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dBuV	dBuV	dBuV	dB	
1	0.163	9.80	24.25	34.05	55.30	-21.25	Average
2	0.163	9.80	34.24	44.04	65.30	-21.26	QP
3	0.207	9.80	28.27	38.07	53.34	-15.27	Average
4	0.207	9.80	31.74	41.54	63.34	-21.80	QP
5	0.303	9.80	14.81	24.61	50.17	-25.56	Average
6	0.303	9.80	18.41	28.21	60.17	-31.96	QP
7	1.937	9.82	4.38	14.20	46.00	-31.80	Average
8	1.937	9.82	6.98	16.80	56.00	-39.20	QP
9	4.926	9.85	30.90	40.75	46.00	-5.25	Average
10	4.926	9.85	32.24	42.09	56.00	-13.91	QP
11	4.965	9.85	32.64	42.49	46.00	-3.51	Average
12	4.965	9.85	32.16	42.01	56.00	-13.99	QP
13	19.937	10.00	30.06	40.06	50.00	-9.94	Average
14	19.937	10.00	32.36	42.36	60.00	-17.64	QP

AC 120V/60 Hz, Neutral

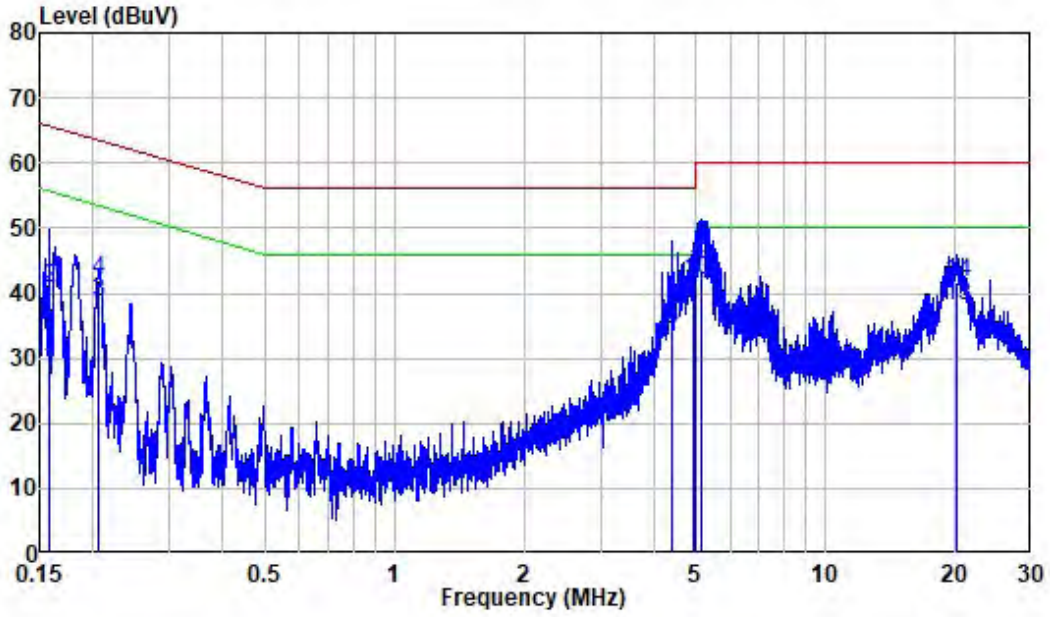


Site : Shielding Room
Condition: Neutral
Mode : LSB 15.275MHz
Model : G106

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dBuV	dBuV	dBuV	dB	
1	0.165	9.80	26.05	35.85	55.19	-19.34	Average
2	0.165	9.80	37.19	46.99	65.19	-18.20	QP
3	0.207	9.80	29.45	39.25	53.34	-14.09	Average
4	0.207	9.80	32.55	42.35	63.34	-20.99	QP
5	0.302	9.80	13.46	23.26	50.18	-26.92	Average
6	0.302	9.80	17.34	27.14	60.18	-33.04	QP
7	1.854	9.82	3.89	13.71	46.00	-32.29	Average
8	1.854	9.82	6.68	16.50	56.00	-39.50	QP
9	4.797	9.88	28.25	38.13	46.00	-7.87	Average
10	4.797	9.88	31.38	41.26	56.00	-14.74	QP
11	4.958	9.89	32.14	42.03	46.00	-3.97	Average
12	4.958	9.89	32.30	42.19	56.00	-13.81	QP
13	20.270	10.10	30.19	40.29	50.00	-9.71	Average
14	20.270	10.10	32.64	42.74	60.00	-17.26	QP

Test mode 12: Receiver at LSB 30MHz

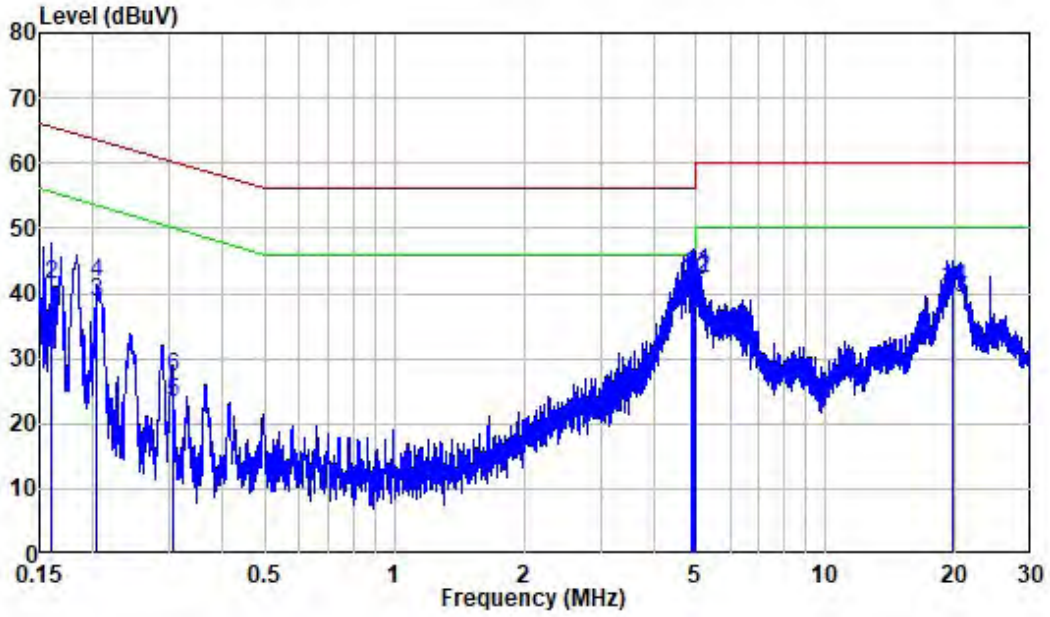
AC 120V/60 Hz, Line



Site : Shielding Room
Condition: Line
Mode : LSB 30MHz
Model : G106

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dBuV	dBuV	dBuV	dB	
1	0.158	9.80	18.72	28.52	55.58	-27.06	Average
2	0.158	9.80	30.82	40.62	65.58	-24.96	QP
3	0.206	9.80	28.74	38.54	53.37	-14.83	Average
4	0.206	9.80	32.05	41.85	63.37	-21.52	QP
5	4.395	9.84	24.57	34.41	46.00	-11.59	Average
6	4.395	9.84	27.66	37.50	56.00	-18.50	QP
7	4.926	9.85	31.28	41.13	46.00	-4.87	Average
8	4.926	9.85	31.78	41.63	56.00	-14.37	QP
9	5.015	9.85	32.75	42.60	50.00	-7.40	Average
10	5.015	9.85	32.26	42.11	60.00	-17.89	QP
11	5.136	9.85	33.55	43.40	50.00	-6.60	Average
12	5.136	9.85	31.44	41.29	60.00	-18.71	QP
13	20.109	10.00	28.16	38.16	50.00	-11.84	Average
14	20.109	10.00	31.77	41.77	60.00	-18.23	QP

AC 120V/60 Hz, Neutral

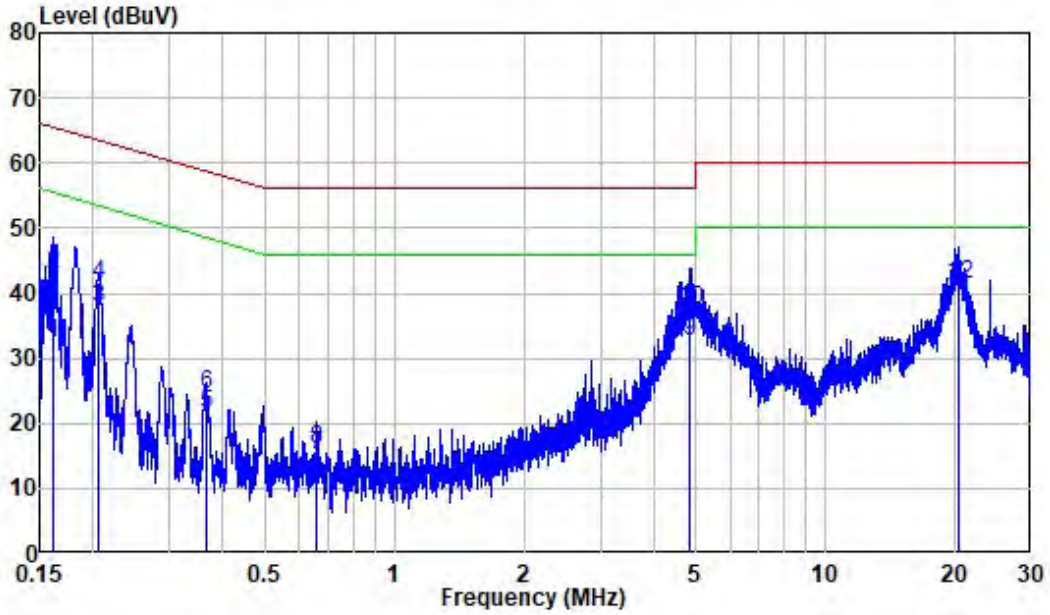


Site : Shielding Room
Condition: Neutral
Mode : LSB 30MHz
Model : G106

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dBuV	dBuV	dBuV	dB	
1	0.160	9.80	20.76	30.56	55.47	-24.91	Average
2	0.160	9.80	31.69	41.49	65.47	-23.98	QP
3	0.204	9.80	28.75	38.55	53.43	-14.88	Average
4	0.204	9.80	31.76	41.56	63.43	-21.87	QP
5	0.305	9.80	13.40	23.20	50.11	-26.91	Average
6	0.305	9.80	17.26	27.06	60.11	-33.05	QP
7	4.864	9.88	29.72	39.60	46.00	-6.40	Average
8	4.864	9.88	31.03	40.91	56.00	-15.09	QP
9	4.945	9.89	29.91	39.80	46.00	-6.20	Average
10	4.945	9.89	32.10	41.99	56.00	-14.01	QP
11	5.001	9.89	33.29	43.18	50.00	-6.82	Average
12	5.001	9.89	32.35	42.24	60.00	-17.76	QP
13	19.714	10.10	29.01	39.11	50.00	-10.89	Average
14	19.714	10.10	30.52	40.62	60.00	-19.38	QP

Test mode 13: Receiver at CW 0.55MHz

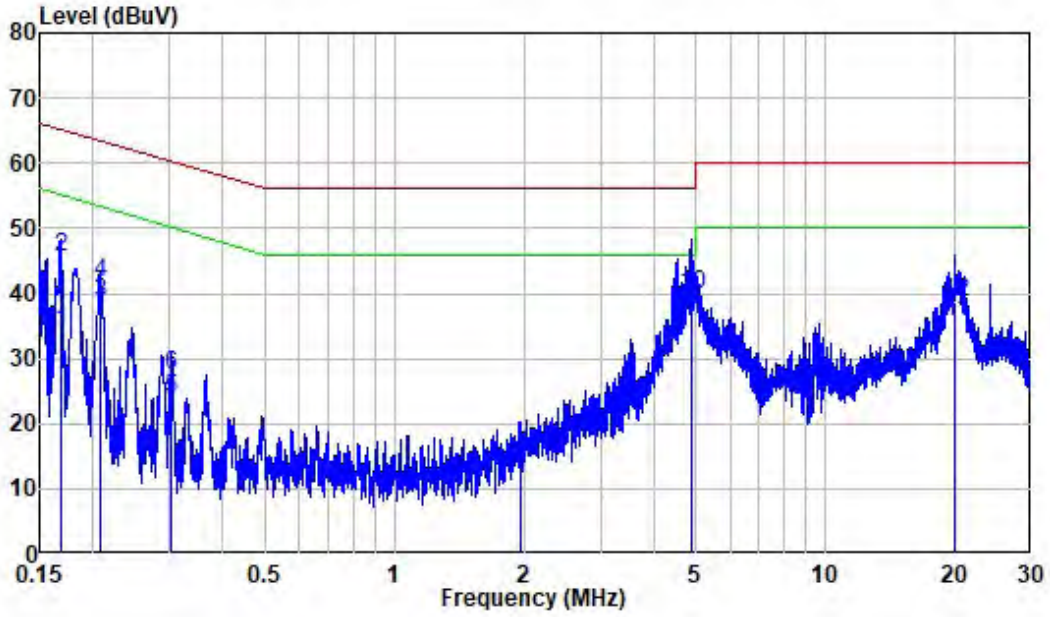
AC 120V/60 Hz, Line



Site : Shielding Room
Condition: Line
Mode : CW 0.55MHz
Model : G106

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dBuV	dBuV	dBuV	dB	
1	0.161	9.80	22.39	32.19	55.39	-23.20	Average
2	0.161	9.80	33.18	42.98	65.39	-22.41	QP
3	0.206	9.80	28.08	37.88	53.37	-15.49	Average
4	0.206	9.80	31.52	41.32	63.37	-22.05	QP
5	0.365	9.80	11.72	21.52	48.62	-27.10	Average
6	0.365	9.80	14.64	24.44	58.62	-34.18	QP
7	0.660	9.81	5.29	15.10	46.00	-30.90	Average
8	0.660	9.81	6.15	15.96	56.00	-40.04	QP
9	4.838	9.85	22.63	32.48	46.00	-13.52	Average
10	4.838	9.85	27.50	37.35	56.00	-18.65	QP
11	20.283	10.00	29.20	39.20	50.00	-10.80	Average
12	20.283	10.00	31.32	41.32	60.00	-18.68	QP

AC 120V/60 Hz, Neutral

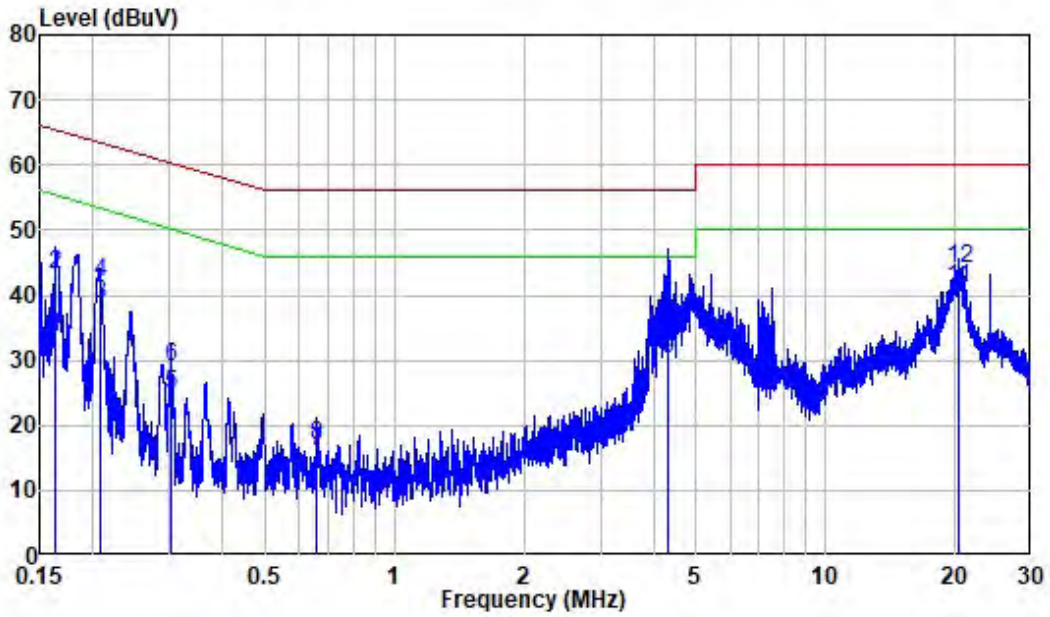


Site : Shielding Room
Condition: Neutral
Mode : CW 0.55MHz
Model : G106

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dBuV	dBuV	dBuV	dB	
1	0.168	9.80	24.24	34.04	55.08	-21.04	Average
2	0.168	9.80	35.84	45.64	65.08	-19.44	QP
3	0.208	9.80	28.80	38.60	53.30	-14.70	Average
4	0.208	9.80	31.88	41.68	63.30	-21.62	QP
5	0.304	9.80	14.01	23.81	50.14	-26.33	Average
6	0.304	9.80	17.68	27.48	60.14	-32.66	QP
7	1.951	9.82	2.89	12.71	46.00	-33.29	Average
8	1.951	9.82	3.75	13.57	56.00	-42.43	QP
9	4.874	9.89	29.45	39.34	46.00	-6.66	Average
10	4.874	9.89	29.98	39.87	56.00	-16.13	QP
11	19.963	10.10	25.62	35.72	50.00	-14.28	Average
12	19.963	10.10	28.65	38.75	60.00	-21.25	QP

Test mode 14: Receiver at CW 15.275MHz

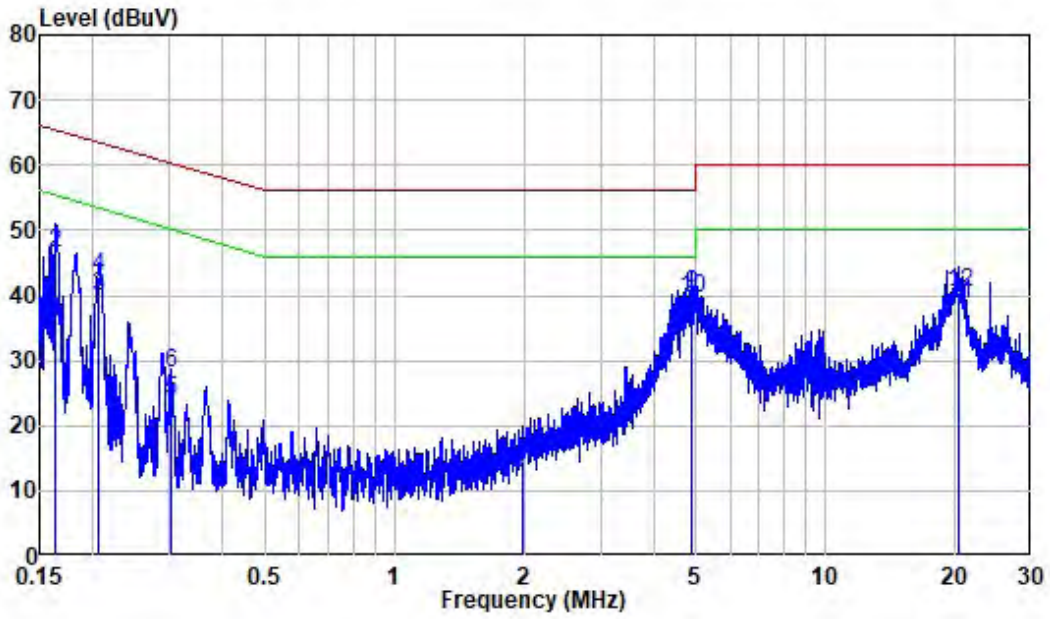
AC 120V/60 Hz, Line



Site : Shielding Room
Condition: Line
Mode : CW 15.275MHz
Model : G106

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dBuV	dBuV	dBuV	dB	
1	0.163	9.80	23.78	33.58	55.33	-21.75	Average
2	0.163	9.80	33.27	43.07	65.33	-22.26	QP
3	0.207	9.80	28.96	38.76	53.34	-14.58	Average
4	0.207	9.80	32.27	42.07	63.34	-21.27	QP
5	0.303	9.80	14.92	24.72	50.15	-25.43	Average
6	0.303	9.80	19.06	28.86	60.15	-31.29	QP
7	0.660	9.81	6.22	16.03	46.00	-29.97	Average
8	0.660	9.81	7.01	16.82	56.00	-39.18	QP
9	4.315	9.84	20.42	30.26	46.00	-15.74	Average
10	4.315	9.84	23.72	33.56	56.00	-22.44	QP
11	20.310	10.00	30.96	40.96	50.00	-9.04	Average
12	20.310	10.00	34.12	44.12	60.00	-15.88	QP

AC 120V/60 Hz, Neutral

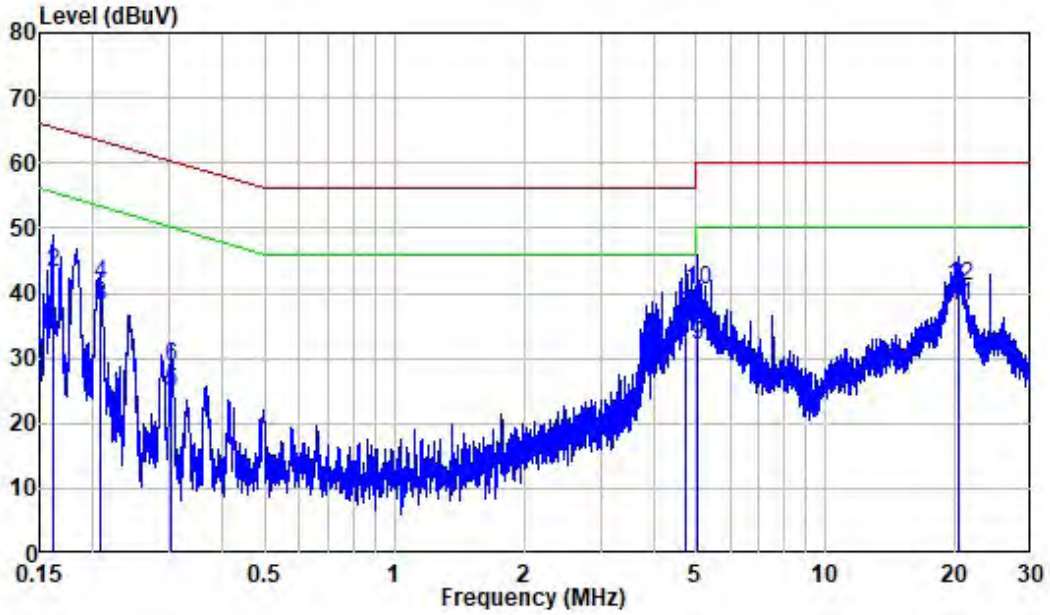


Site : Shielding Room
Condition: Neutral
Mode : CW 15.275MHz
Model : G106

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dBuV	dBuV	dBuV	dB	
1	0.164	9.80	26.11	35.91	55.26	-19.35	Average
2	0.164	9.80	36.81	46.61	65.26	-18.65	QP
3	0.206	9.80	30.11	39.91	53.35	-13.44	Average
4	0.206	9.80	33.08	42.88	63.35	-20.47	QP
5	0.304	9.80	14.06	23.86	50.14	-26.28	Average
6	0.304	9.80	18.31	28.11	60.14	-32.03	QP
7	1.979	9.82	2.73	12.55	46.00	-33.45	Average
8	1.979	9.82	4.66	14.48	56.00	-41.52	QP
9	4.887	9.89	30.13	40.02	46.00	-5.98	Average
10	4.887	9.89	29.69	39.58	56.00	-16.42	QP
11	20.404	10.10	28.66	38.76	50.00	-11.24	Average
12	20.404	10.10	30.34	40.44	60.00	-19.56	QP

Test mode 15: Receiver at CW 30MHz

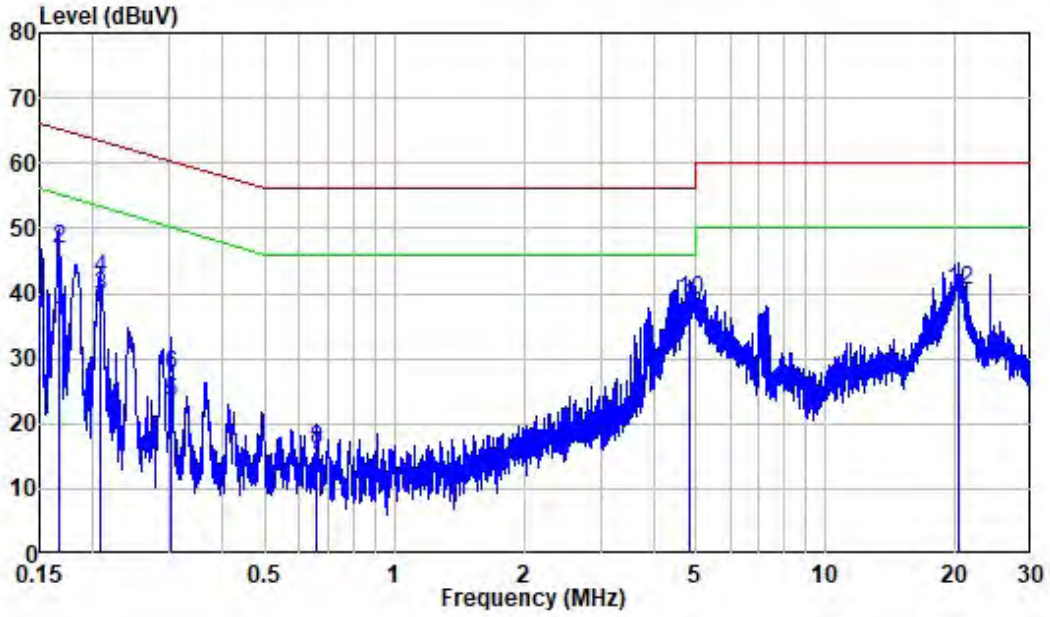
AC 120V/60 Hz, Line



Site : Shielding Room
Condition: Line
Mode : CW 30MHz
Model : G106

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dBuV	dBuV	dBuV	dB	
1	0.162	9.80	23.30	33.10	55.37	-22.27	Average
2	0.162	9.80	33.26	43.06	65.37	-22.31	QP
3	0.208	9.80	28.15	37.95	53.30	-15.35	Average
4	0.208	9.80	31.62	41.42	63.30	-21.88	QP
5	0.304	9.80	14.86	24.66	50.14	-25.48	Average
6	0.304	9.80	18.76	28.56	60.14	-31.58	QP
7	4.715	9.85	25.05	34.90	46.00	-11.10	Average
8	4.715	9.85	26.66	36.51	56.00	-19.49	QP
9	5.048	9.85	22.24	32.09	50.00	-17.91	Average
10	5.048	9.85	30.67	40.52	60.00	-19.48	QP
11	20.418	10.00	28.07	38.07	50.00	-11.93	Average
12	20.418	10.00	31.19	41.19	60.00	-18.81	QP

AC 120V/60 Hz, Neutral

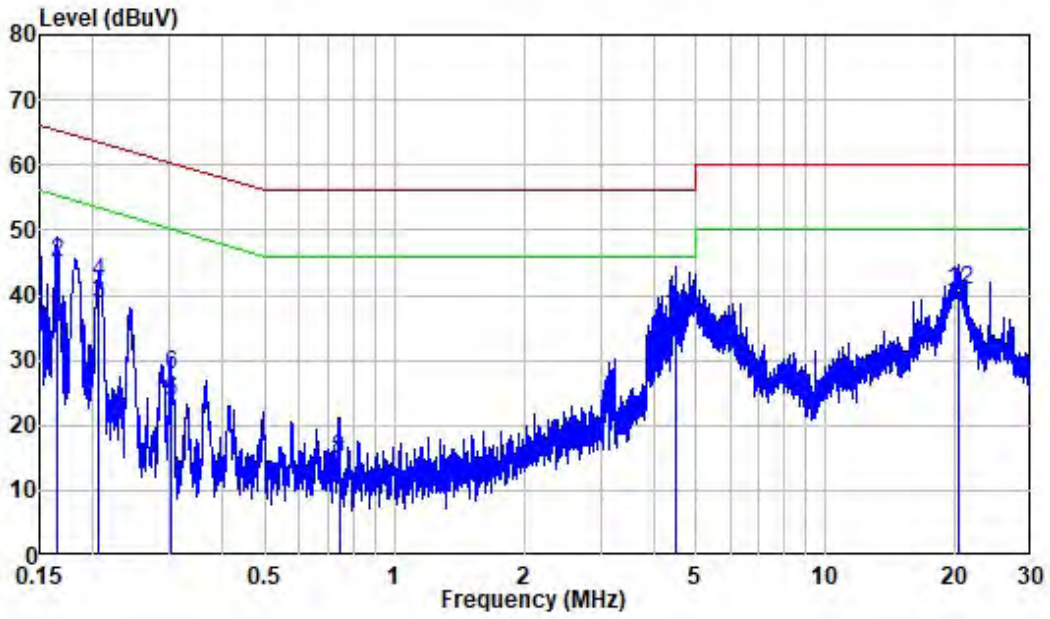


Site : Shielding Room
Condition: Neutral
Mode : CW 30MHz
Model : G106

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dBuV	dBuV	dBuV	dB	
1	0.166	9.80	25.77	35.57	55.16	-19.59	Average
2	0.166	9.80	37.02	46.82	65.16	-18.34	QP
3	0.207	9.80	29.67	39.47	53.32	-13.85	Average
4	0.207	9.80	32.53	42.33	63.32	-20.99	QP
5	0.302	9.80	13.38	23.18	50.19	-27.01	Average
6	0.302	9.80	17.72	27.52	60.19	-32.67	QP
7	0.660	9.81	5.15	14.96	46.00	-31.04	Average
8	0.660	9.81	6.15	15.96	56.00	-40.04	QP
9	4.832	9.88	27.80	37.68	46.00	-8.32	Average
10	4.832	9.88	28.92	38.80	56.00	-17.20	QP
11	20.270	10.10	27.68	37.78	50.00	-12.22	Average
12	20.270	10.10	30.21	40.31	60.00	-19.69	QP

Test mode 16: Scannig (FM)

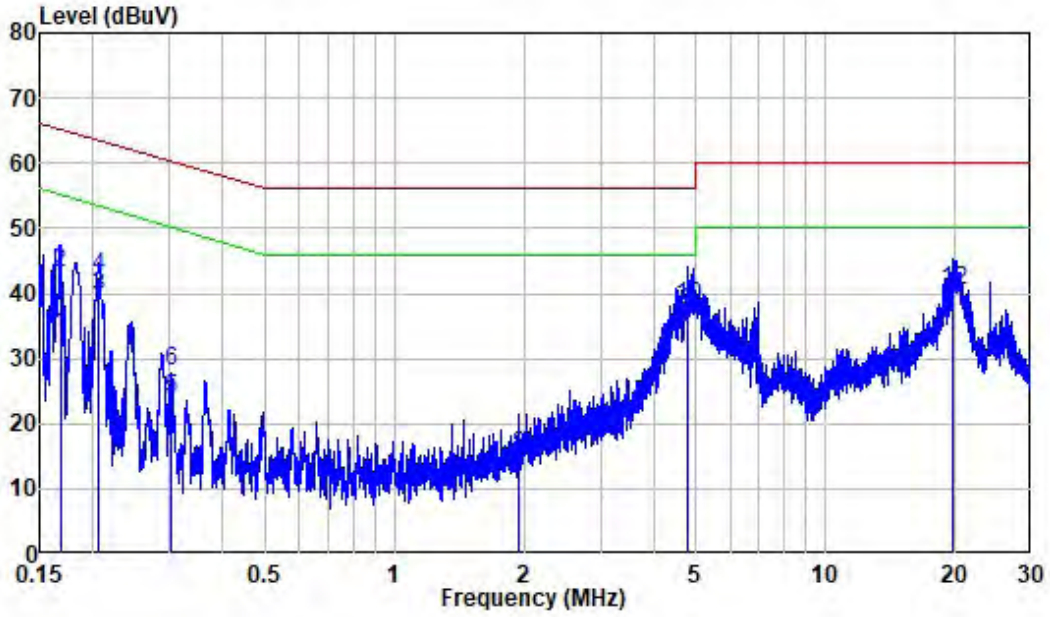
AC 120V/60 Hz, Line



Site : Shielding Room
Condition: Line
Mode : Scanning
Model : G106

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dBuV	dBuV	dBuV	dB	
1	0.165	9.80	25.26	35.06	55.22	-20.16	Average
2	0.165	9.80	35.14	44.94	65.22	-20.28	QP
3	0.207	9.80	28.74	38.54	53.34	-14.80	Average
4	0.207	9.80	32.12	41.92	63.34	-21.42	QP
5	0.302	9.80	13.60	23.40	50.20	-26.80	Average
6	0.302	9.80	17.94	27.74	60.20	-32.46	QP
7	0.743	9.81	4.02	13.83	46.00	-32.17	Average
8	0.743	9.81	5.04	14.85	56.00	-41.15	QP
9	4.490	9.84	24.34	34.18	46.00	-11.82	Average
10	4.490	9.84	26.97	36.81	56.00	-19.19	QP
11	20.283	10.00	28.54	38.54	50.00	-11.46	Average
12	20.283	10.00	30.76	40.76	60.00	-19.24	QP

AC 120V/60 Hz, Neutral



Site : Shielding Room
Condition: Neutral
Mode : Scanning
Model : G106

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dBuV	dBuV	dBuV	dB	
1	0.168	9.80	23.64	33.44	55.08	-21.64	Average
2	0.168	9.80	33.33	43.13	65.08	-21.95	QP
3	0.206	9.80	29.85	39.65	53.38	-13.73	Average
4	0.206	9.80	32.66	42.46	63.38	-20.92	QP
5	0.304	9.80	13.94	23.74	50.13	-26.39	Average
6	0.304	9.80	18.17	27.97	60.13	-32.16	QP
7	1.936	9.82	2.99	12.81	46.00	-33.19	Average
8	1.936	9.82	5.36	15.18	56.00	-40.82	QP
9	4.791	9.88	27.16	37.04	46.00	-8.96	Average
10	4.791	9.88	28.11	37.99	56.00	-18.01	QP
11	19.687	10.10	26.89	36.99	50.00	-13.01	Average
12	19.687	10.10	30.33	40.43	60.00	-19.57	QP

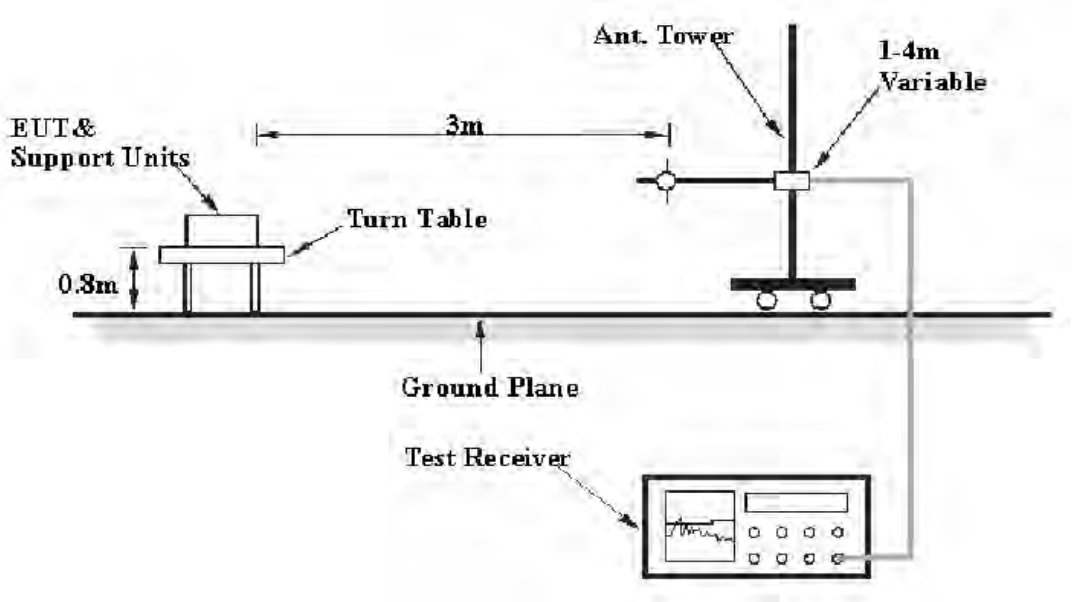
FCC §15.109 - RADIATED EMISSIONS

Applicable Standard

FCC §15.109

EUT Setup

Below 1GHz:



The radiated emission tests were performed in the 3 meters chamber test site, using the setup accordance with the ANSI C63.4-2014. The specification used was the FCC Part 15.109 Class B limits.

The external I/O cables were draped along the test table and formed a bundle 30 to 40 cm long in the middle.

The spacing between the peripherals was 10 cm.

EMI Test Receiver

The system was investigated from 30 MHz to 1 GHz.

During the radiated emission test, the EMI test receiver was set with the following configurations:

Frequency Range	RBW	Video B/W	IF B/W	Detector
30MHz – 1000 MHz	120 kHz	300 kHz	120kHz	QP

Test Procedure

Maximizing procedure was performed on the highest emissions to ensure that the EUT complied with all installation combinations.

All data was recorded in the Quasi-peak detector mode from 30 MHz to 1 GHz, Peak and average detection mode above 1 GHz.

If the maximized peak measured value complies with the limit, then it is unnecessary to perform QP/Average measurement.

Factor & Over Limit Calculation

The Factor is calculated by adding the Antenna Factor and Cable Loss, and subtracting the Amplifier Gain. The basic equation is as follows:

Factor = Antenna Factor + Cable Loss - Amplifier Gain

The "**Over Limit/Margin**" column of the following data tables indicates the degree of compliance with the applicable limit. For example, an Over Limit/margin of -7dB means the emission is 7dB below the limit. The equation for calculation is as follows:

Over Limit/Margin = Level / Corrected Amplitude – Limit
Level / Corrected Amplitude = Read Level + Factor

Test Data

Environmental Conditions

Temperature:	26℃
Relative Humidity:	58 %
ATM Pressure:	101.0 kPa

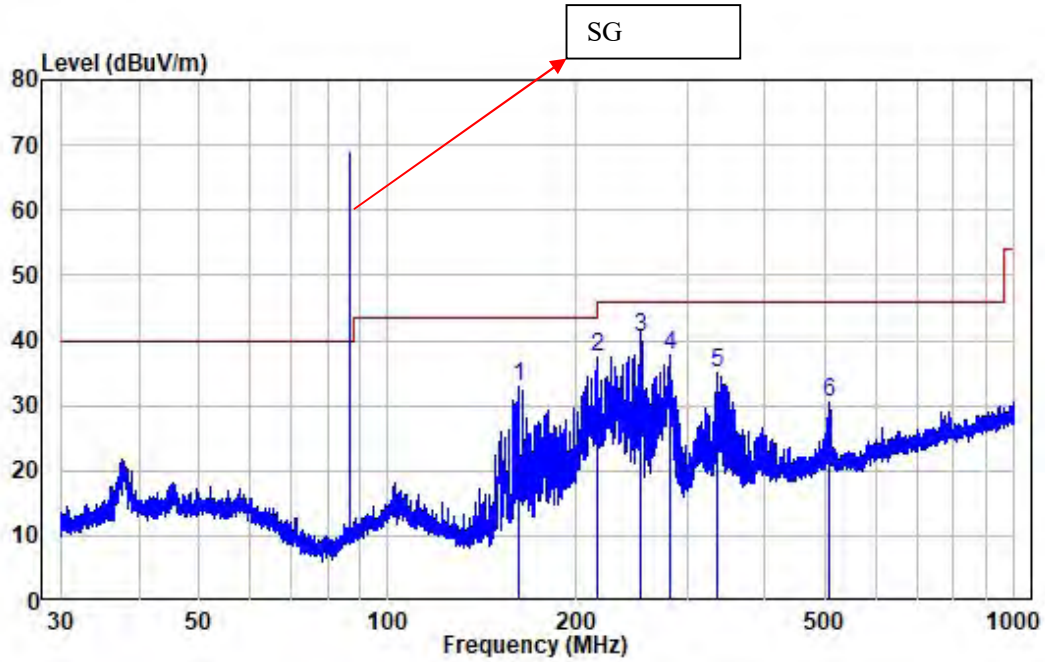
The testing was performed by Level Li on 2022-07-13.

EUT operation mode: FM/AM/USB/LSB/CW/Scannig(FM)

30MHz-1GHz:

Test mode 1: Receiver at FM 87MHz

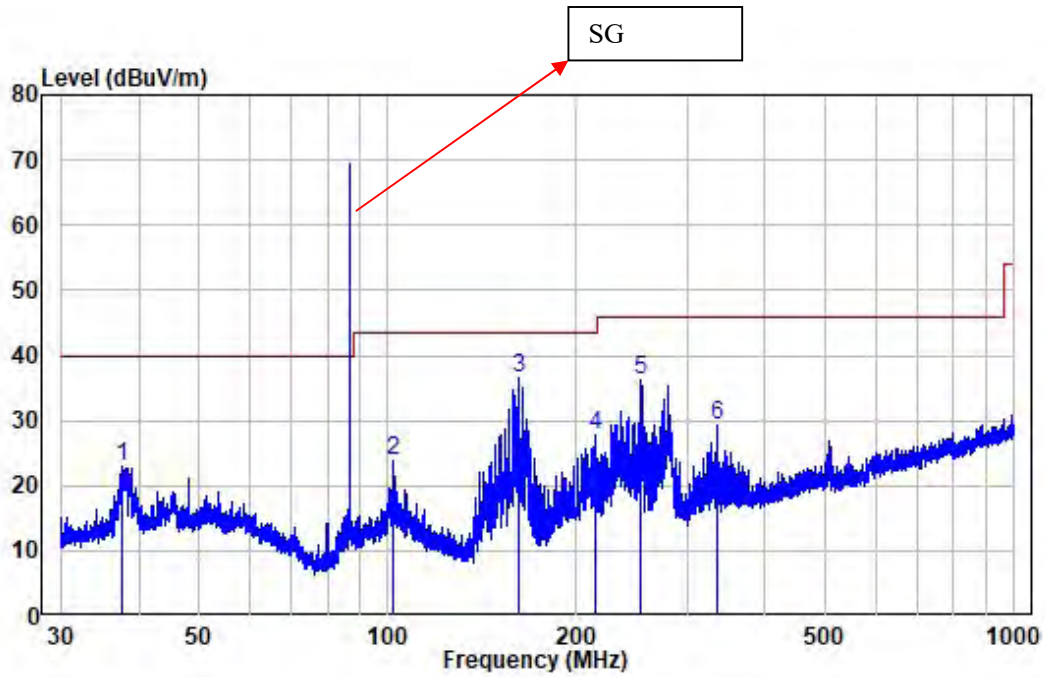
Horizontal



Site : chamber
Condition: 3m HORIZONTAL
Job No. : SZ4220608-25174E-RF
Test Mode: FM 87MHz

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	161.333	-14.25	47.19	32.94	43.50	-10.56	Peak
2	216.498	-11.60	49.09	37.49	46.00	-8.51	Peak
3	253.837	-10.64	51.14	40.50	46.00	-5.50	QP
4	282.118	-9.52	47.34	37.82	46.00	-8.18	Peak
5	335.888	-7.58	42.61	35.03	46.00	-10.97	Peak
6	507.813	-4.27	34.72	30.45	46.00	-15.55	Peak

Vertical

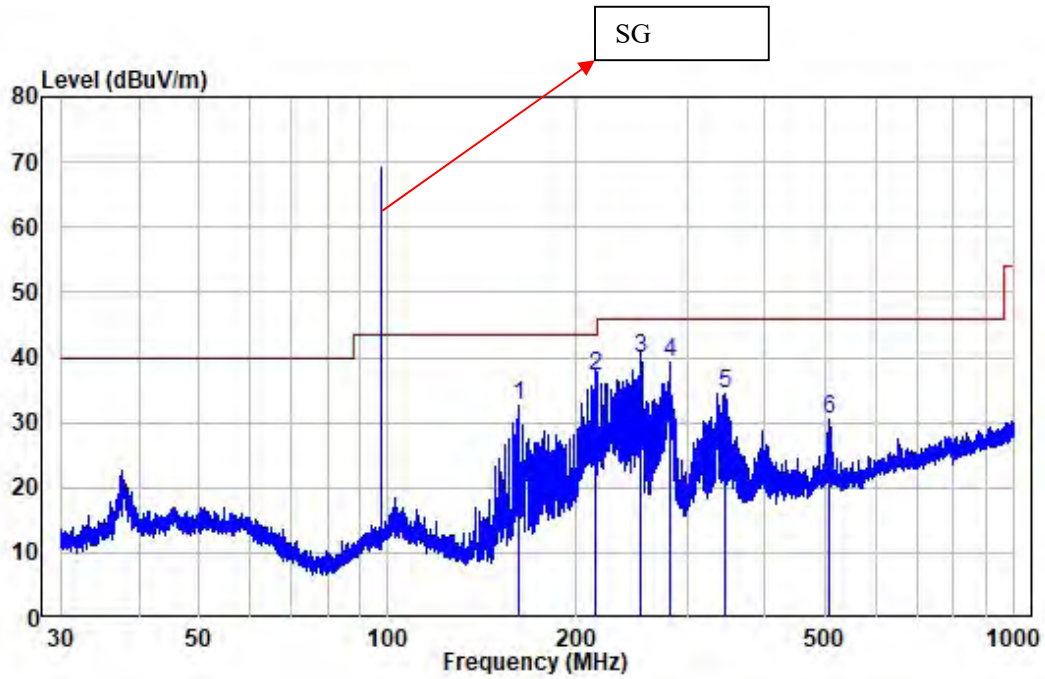


Site : chamber
Condition: 3m VERTICAL
Job No. : SZ4220608-25174E-RF
Test Mode: FM 87MHz

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	37.515	-10.90	33.94	23.04	40.00	-16.96	Peak
2	101.912	-11.58	35.58	24.00	43.50	-19.50	Peak
3	161.403	-14.25	50.92	36.67	43.50	-6.83	Peak
4	213.763	-11.72	39.45	27.73	43.50	-15.77	Peak
5	253.948	-10.63	46.73	36.10	46.00	-9.90	Peak
6	335.888	-7.58	37.00	29.42	46.00	-16.58	Peak

Test mode 2: Receiver at FM 97.5MHz

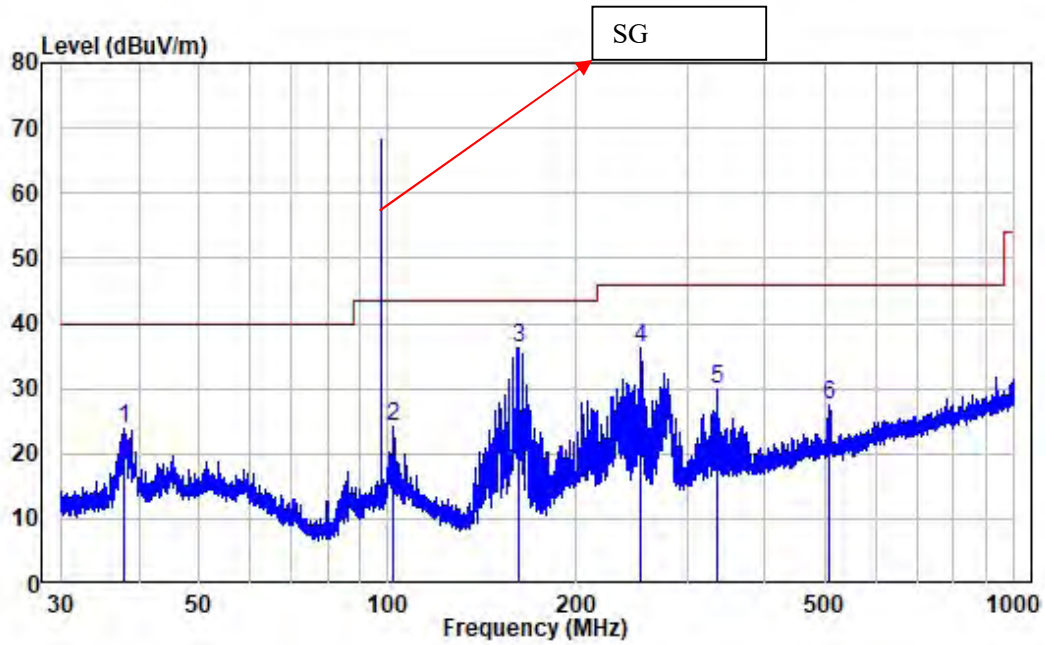
Horizontal



Site : chamber
Condition: 3m HORIZONTAL
Job No. : SZ4220608-25174E-RF
Test Mode: FM 97.5MHz

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	161.333	-14.25	46.84	32.59	43.50	-10.91	Peak
2	213.670	-11.73	48.78	37.05	43.50	-6.45	QP
3	253.837	-10.64	50.53	39.89	46.00	-6.11	QP
4	282.118	-9.52	48.63	39.11	46.00	-6.89	Peak
5	345.141	-7.22	41.67	34.45	46.00	-11.55	Peak
6	507.813	-4.27	34.87	30.60	46.00	-15.40	Peak

Vertical

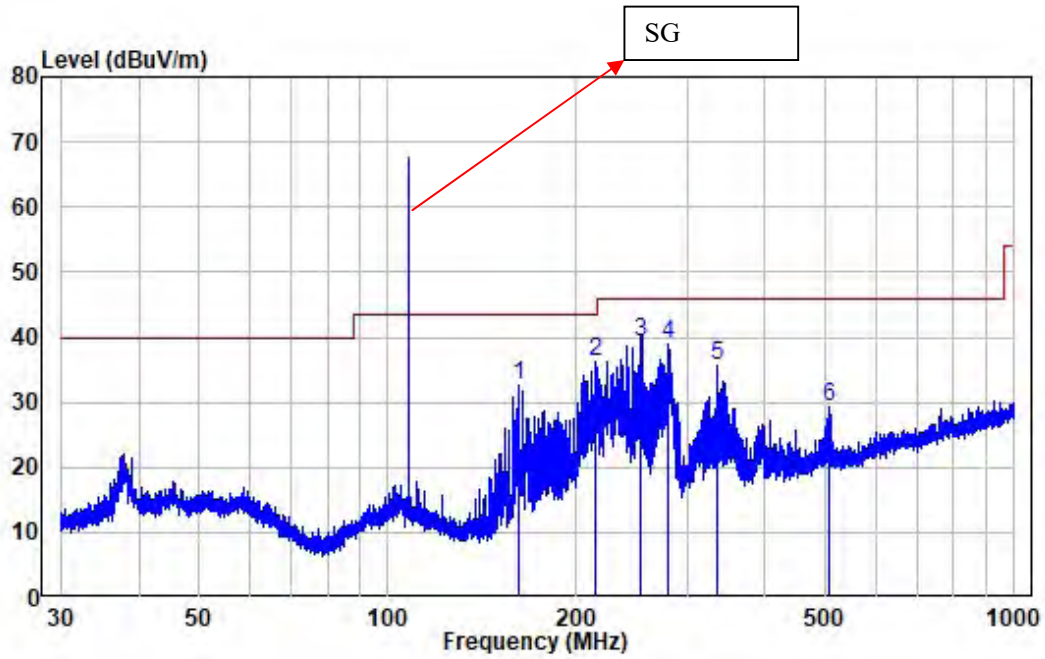


Site : chamber
Condition: 3m VERTICAL
Job No. : SZ4220608-25174E-RF
Test Mode: FM 97.5MHz

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	37.779	-10.86	34.63	23.77	40.00	-16.23	Peak
2	101.867	-11.58	35.68	24.10	43.50	-19.40	Peak
3	161.191	-14.24	50.45	36.21	43.50	-7.29	Peak
4	253.837	-10.64	46.85	36.21	46.00	-9.79	Peak
5	335.447	-7.59	37.46	29.87	46.00	-16.13	Peak
6	507.813	-4.27	31.65	27.38	46.00	-18.62	Peak

Test mode 3: Receiver at FM 108MHz

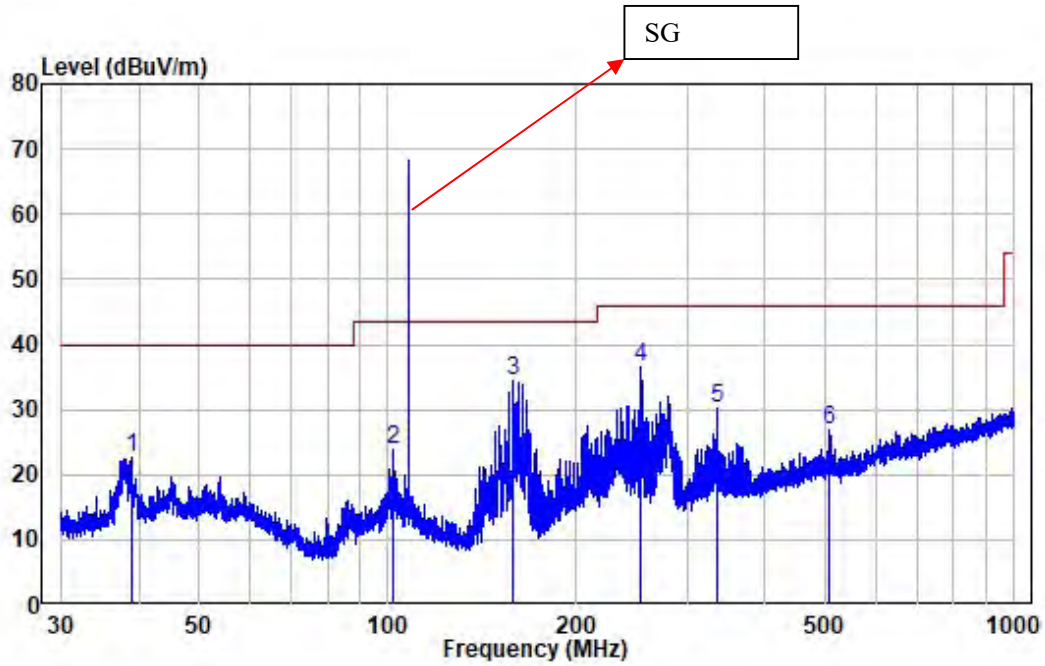
Horizontal



Site : chamber
Condition: 3m HORIZONTAL
Job No. : SZ4220608-25174E-RF
Test Mode: FM 108MHz

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	161.333	-14.25	46.74	32.49	43.50	-11.01	Peak
2	213.857	-11.72	47.98	36.26	43.50	-7.24	Peak
3	253.726	-10.65	49.90	39.25	46.00	-6.75	QP
4	279.411	-9.62	48.56	38.94	46.00	-7.06	Peak
5	335.594	-7.59	43.16	35.57	46.00	-10.43	Peak
6	507.590	-4.27	33.52	29.25	46.00	-16.75	Peak

Vertical

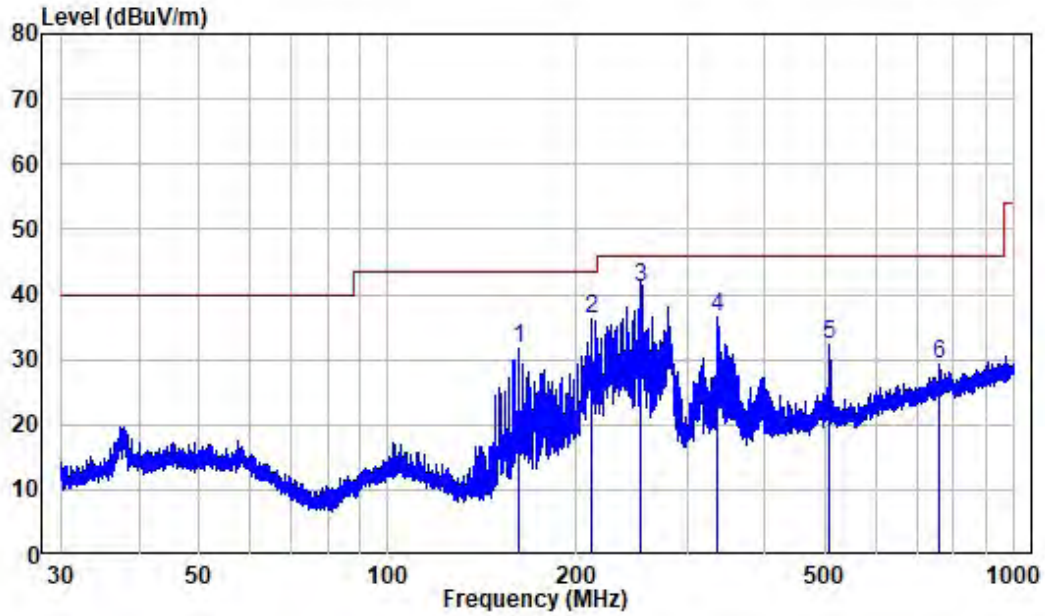


Site : chamber
Condition: 3m VERTICAL
Job No. : SZ4220608-25174E-RF
Test Mode: FM 108MHz

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	38.956	-10.60	33.27	22.67	40.00	-17.33	Peak
2	101.867	-11.58	35.40	23.82	43.50	-19.68	Peak
3	158.598	-14.41	48.68	34.27	43.50	-9.23	Peak
4	253.948	-10.63	47.28	36.65	46.00	-9.35	Peak
5	335.888	-7.58	37.72	30.14	46.00	-15.86	Peak
6	507.813	-4.27	31.07	26.80	46.00	-19.20	Peak

Test mode 4: Receiver at AM 0.55MHz

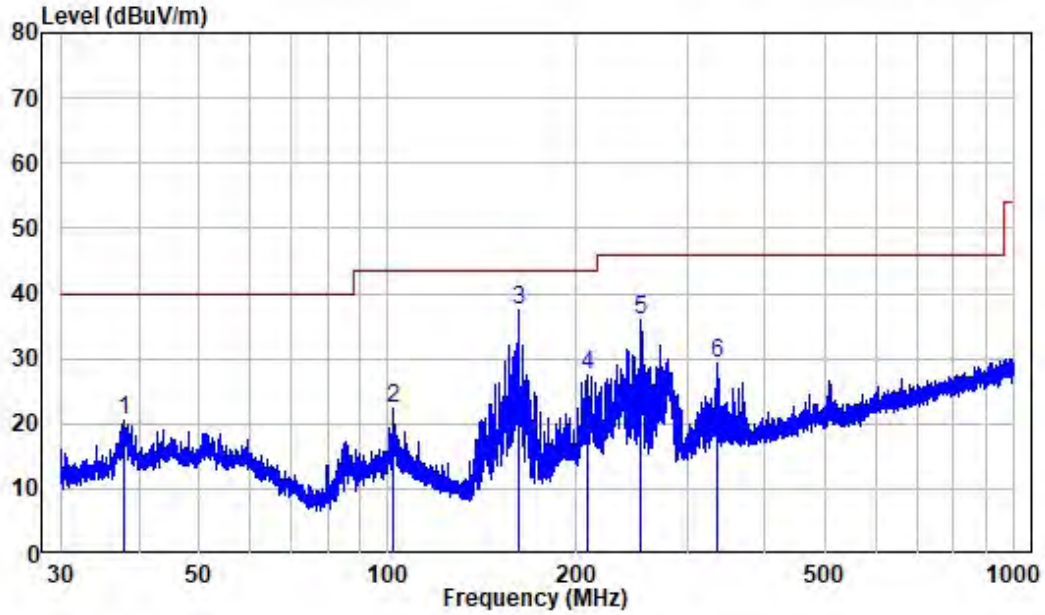
Horizontal



Site : chamber
Condition: 3m HORIZONTAL
Job No. : SZ4220608-25174E-RF
Test Mode: AM 0.55MHz

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	161.545	-14.27	46.00	31.73	43.50	-11.77	Peak
2	211.527	-11.80	47.99	36.19	43.50	-7.31	Peak
3	253.948	-10.63	51.83	41.20	46.00	-4.80	QP
4	335.888	-7.58	44.16	36.58	46.00	-9.42	Peak
5	507.590	-4.27	36.61	32.34	46.00	-13.66	Peak
6	761.037	-0.52	29.66	29.14	46.00	-16.86	Peak

Vertical

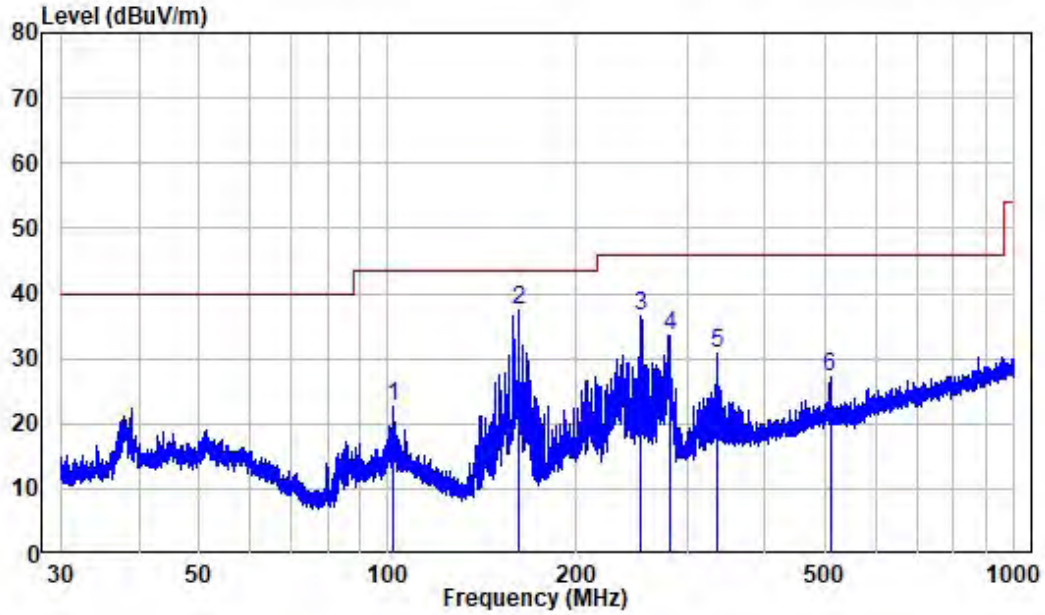


Site : chamber
Condition: 3m VERTICAL
Job No. : SZ4220608-25174E-RF
Test Mode: AM 0.55MHz

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	37.762	-10.87	31.31	20.44	40.00	-19.56	Peak
2	101.867	-11.58	33.91	22.33	43.50	-21.17	Peak
3	161.262	-14.24	51.74	37.50	43.50	-6.00	Peak
4	208.489	-11.85	39.32	27.47	43.50	-16.03	Peak
5	253.948	-10.63	46.66	36.03	46.00	-9.97	Peak
6	336.035	-7.58	36.81	29.23	46.00	-16.77	Peak

Test mode 5: Receiver at AM 15.275MHz

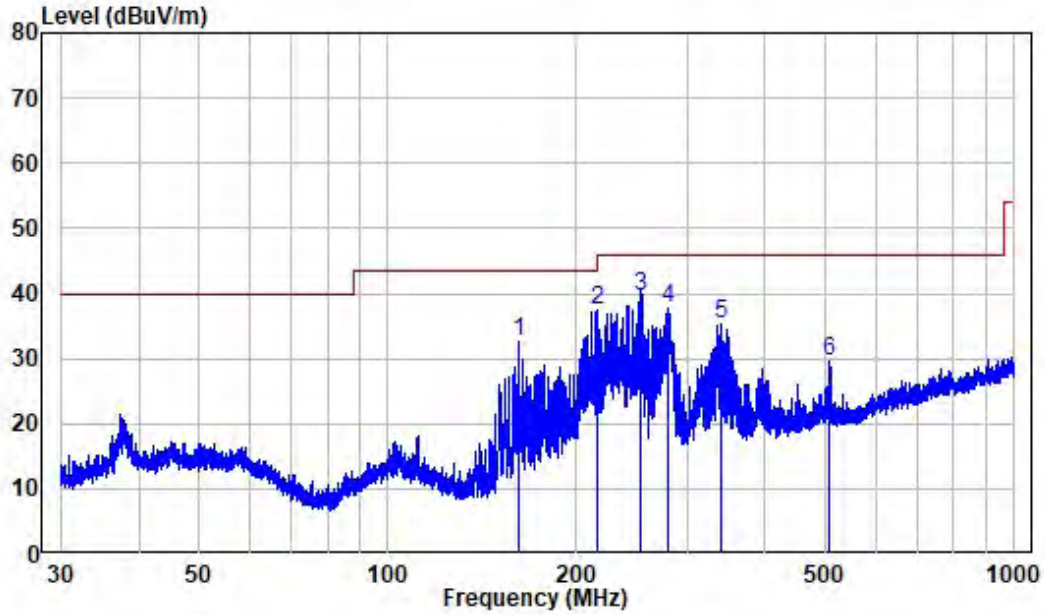
Horizontal



Site : chamber
Condition: 3m VERTICAL
Job No. : SZ4220608-25174E-RF
Test Mode: AM 15.275MHz

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	101.912	-11.58	34.18	22.60	43.50	-20.90	Peak
2	161.474	-14.26	51.70	37.44	43.50	-6.06	Peak
3	253.948	-10.63	47.21	36.58	46.00	-9.42	Peak
4	282.242	-9.52	43.01	33.49	46.00	-12.51	Peak
5	336.035	-7.58	38.51	30.93	46.00	-15.07	Peak
6	508.036	-4.27	31.55	27.28	46.00	-18.72	Peak

Vertical

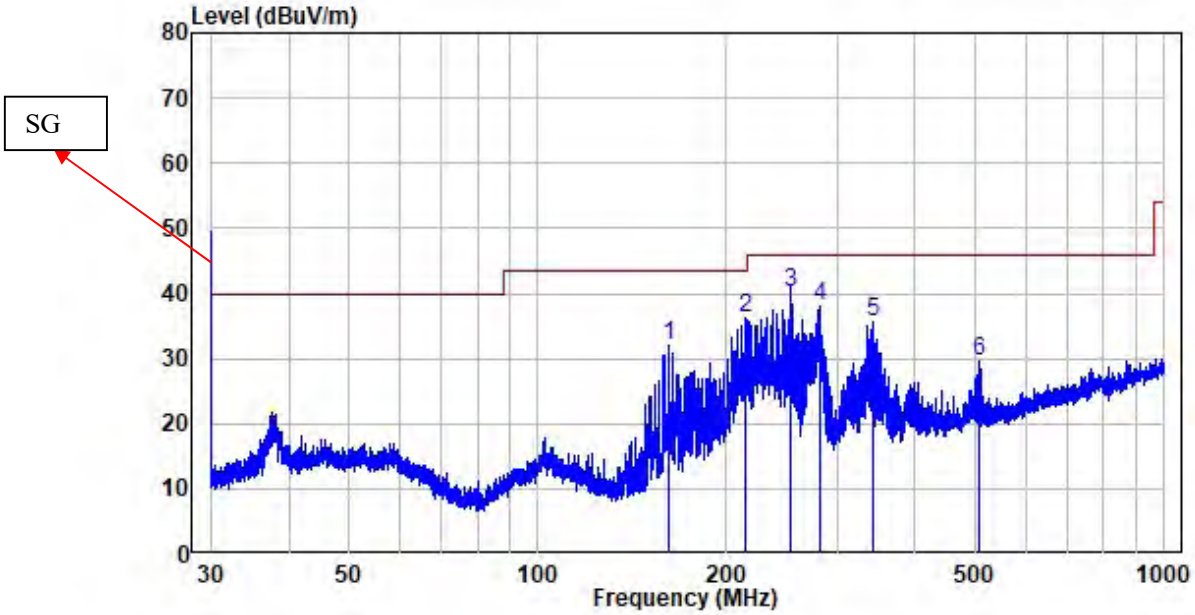


Site : chamber
Condition: 3m HORIZONTAL
Job No. : SZ4220608-25174E-RF
Test Mode: AM 15.275MHz

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	161.403	-14.25	46.81	32.56	43.50	-10.94	Peak
2	216.593	-11.60	48.92	37.32	46.00	-8.68	Peak
3	253.837	-10.64	50.33	39.69	46.00	-6.31	QP
4	279.411	-9.62	47.34	37.72	46.00	-8.28	Peak
5	340.185	-7.42	42.69	35.27	46.00	-10.73	Peak
6	507.813	-4.27	33.88	29.61	46.00	-16.39	Peak

Test mode 6: Receiver at AM 30MHz

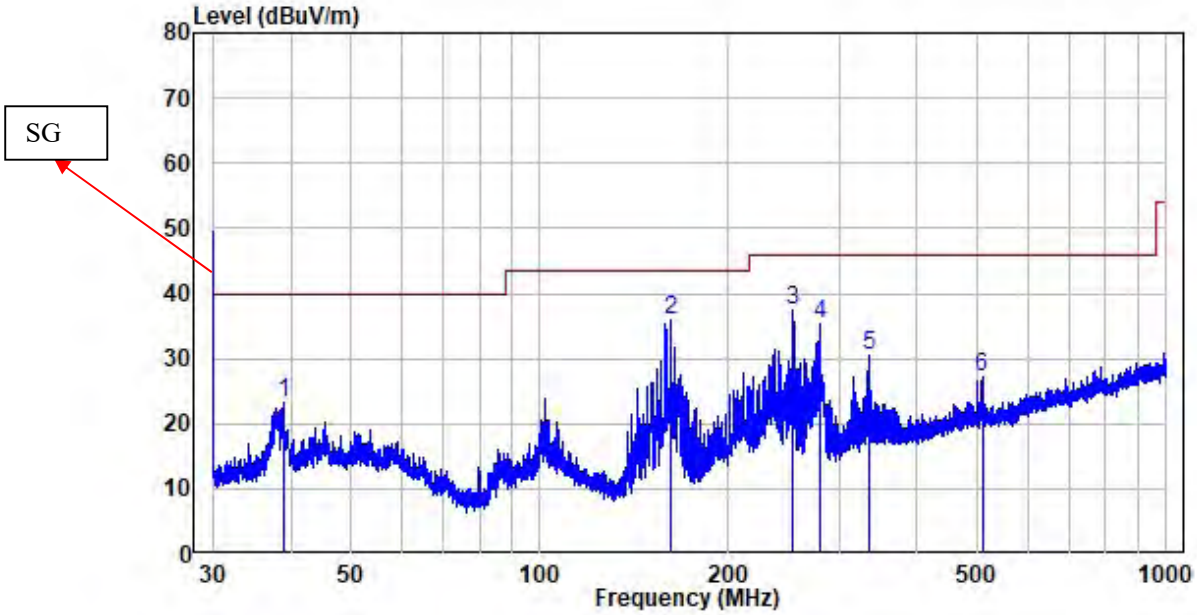
Horizontal



Site : chamber
Condition: 3m HORIZONTAL
Job No. : SZ4220608-25174E-RF
Test Mode: AM 30MHz

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	161.474	-14.26	46.34	32.08	43.50	-11.42	Peak
2	214.045	-11.71	47.81	36.10	43.50	-7.40	Peak
3	253.837	-10.64	50.72	40.08	46.00	-5.92	QP
4	282.118	-9.52	47.62	38.10	46.00	-7.90	Peak
5	342.429	-7.33	42.85	35.52	46.00	-10.48	Peak
6	507.813	-4.27	33.74	29.47	46.00	-16.53	Peak

Vertical

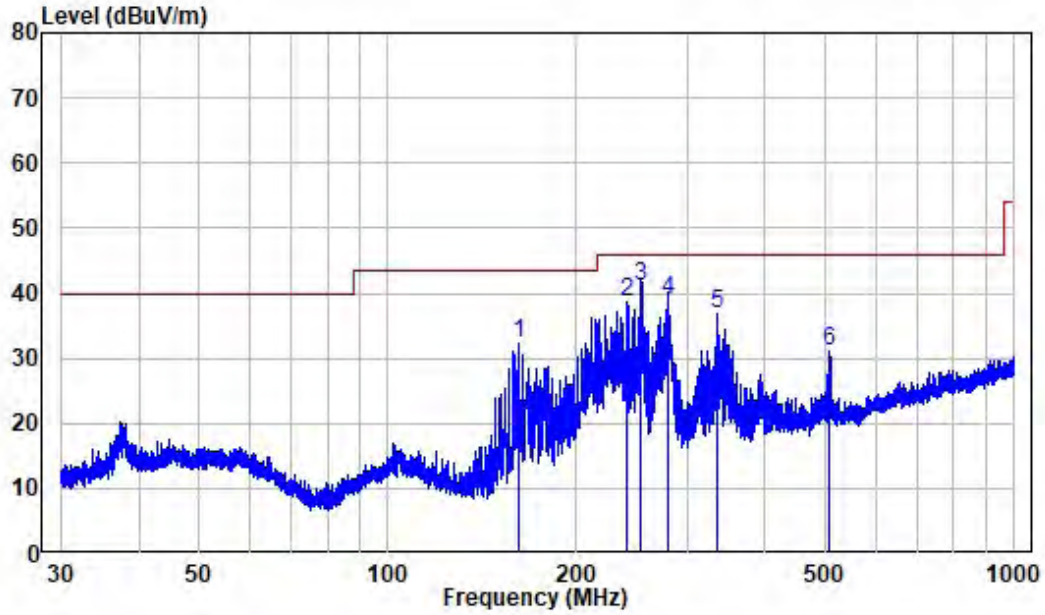


Site : chamber
Condition: 3m VERTICAL
Job No. : SZ4220608-25174E-RF
Test Mode: AM 30MHz

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	38.939	-10.60	33.99	23.39	40.00	-16.61	Peak
2	161.333	-14.25	50.08	35.83	43.50	-7.67	Peak
3	253.837	-10.64	47.97	37.33	46.00	-8.67	Peak
4	279.533	-9.61	44.89	35.28	46.00	-10.72	Peak
5	336.183	-7.57	37.99	30.42	46.00	-15.58	Peak
6	508.036	-4.27	31.56	27.29	46.00	-18.71	Peak

Test mode 7: Receiver at USB 0.55MHz

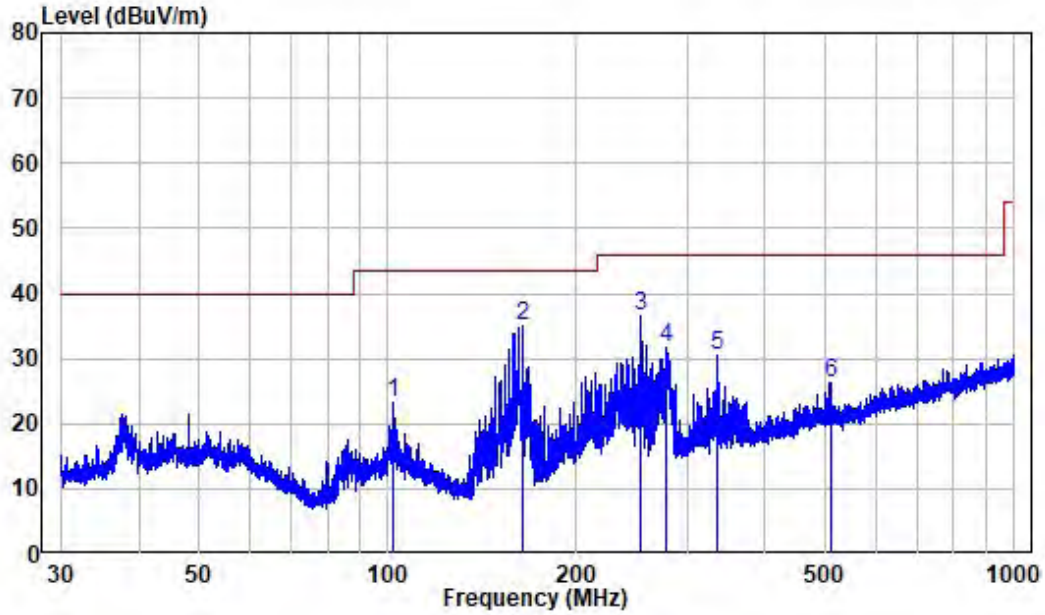
Horizontal



Site : chamber
Condition: 3m HORIZONTAL
Job No. : SZ4220608-25174E-RF
Test Mode: USB 0.55MHz

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	161.545	-14.27	46.42	32.15	43.50	-11.35	Peak
2	240.303	-10.89	49.40	38.51	46.00	-7.49	Peak
3	253.948	-10.63	51.82	41.19	46.00	-4.81	QP
4	279.533	-9.61	48.69	39.08	46.00	-6.92	QP
5	336.035	-7.58	44.33	36.75	46.00	-9.25	Peak
6	507.813	-4.27	35.25	30.98	46.00	-15.02	Peak

Vertical

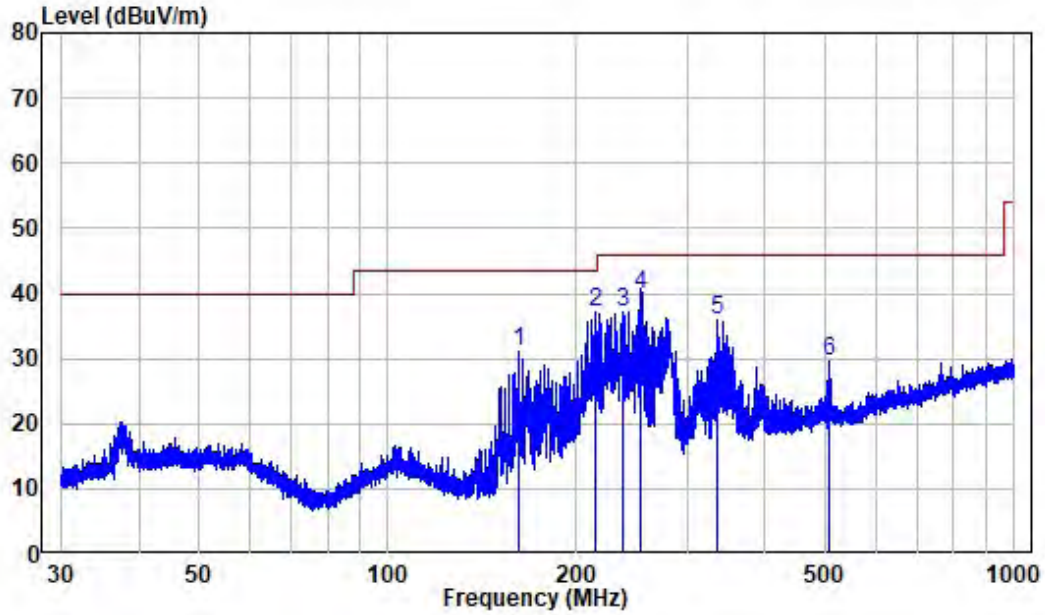


Site : chamber
Condition: 3m VERTICAL
Job No. : SZ4220608-25174E-RF
Test Mode: USB 0.55MHz

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	101.867	-11.58	34.75	23.17	43.50	-20.33	Peak
2	164.114	-14.26	49.19	34.93	43.50	-8.57	Peak
3	253.837	-10.64	47.12	36.48	46.00	-9.52	Peak
4	277.215	-9.76	41.45	31.69	46.00	-14.31	Peak
5	335.741	-7.59	38.06	30.47	46.00	-15.53	Peak
6	508.258	-4.27	30.60	26.33	46.00	-19.67	Peak

Test mode 8: Receiver at USB 15.275MHz

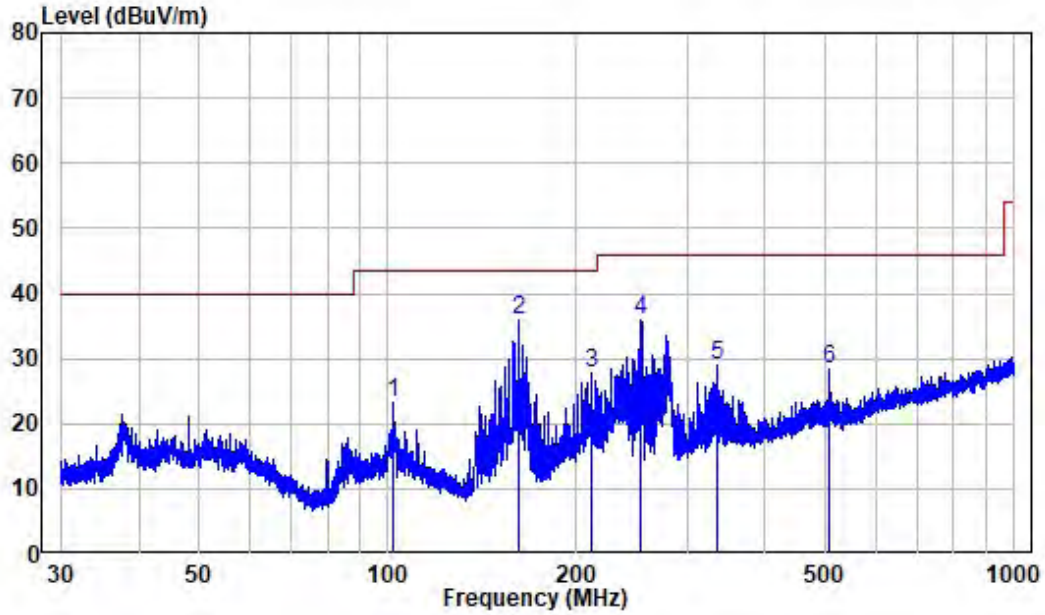
Horizontal



Site : chamber
Condition: 3m HORIZONTAL
Job No. : SZ4220608-25174E-RF
Test Mode: USB 15.275MHz

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	161.474	-14.26	45.20	30.94	43.50	-12.56	Peak
2	214.139	-11.71	48.79	37.08	43.50	-6.42	Peak
3	237.476	-10.93	48.14	37.21	46.00	-8.79	Peak
4	253.837	-10.64	50.45	39.81	46.00	-6.19	QP
5	336.330	-7.57	43.57	36.00	46.00	-10.00	Peak
6	507.590	-4.27	34.00	29.73	46.00	-16.27	Peak

Vertical

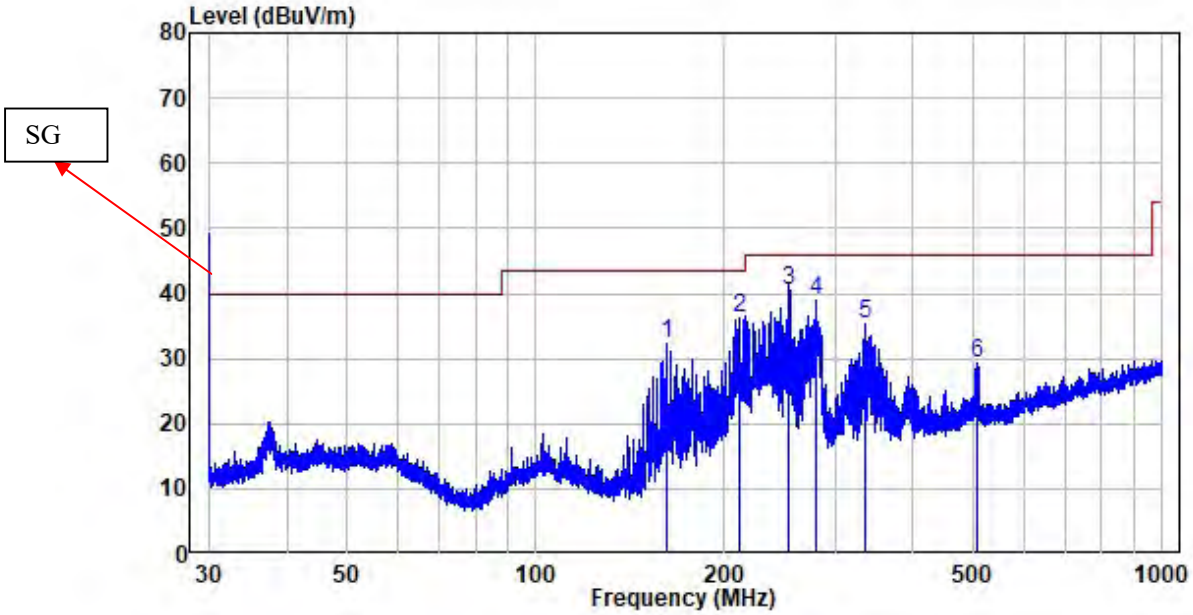


Site : chamber
Condition: 3m VERTICAL
Job No. : SZ4220608-25174E-RF
Test Mode: USB 15.275MHz

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	101.867	-11.58	34.71	23.13	43.50	-20.37	Peak
2	161.474	-14.26	50.24	35.98	43.50	-7.52	Peak
3	211.063	-11.82	39.70	27.88	43.50	-15.62	Peak
4	253.948	-10.63	46.50	35.87	46.00	-10.13	Peak
5	336.035	-7.58	36.47	28.89	46.00	-17.11	Peak
6	507.590	-4.27	32.67	28.40	46.00	-17.60	Peak

Test mode 9: Receiver at USB 30MHz

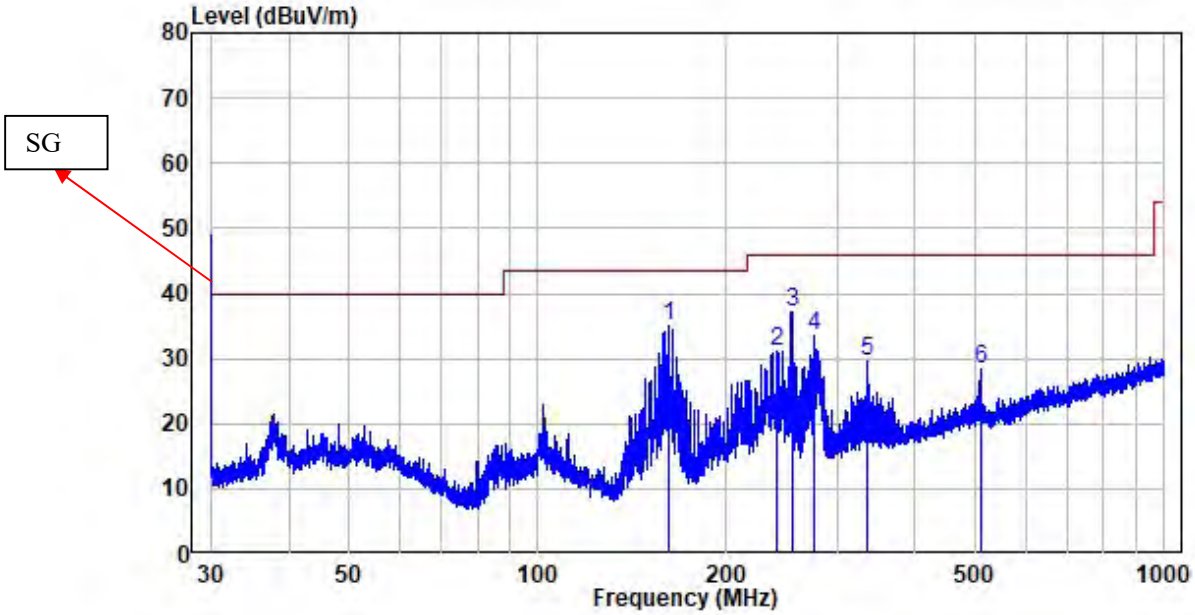
Horizontal



Site : chamber
Condition: 3m HORIZONTAL
Job No. : SZ4220608-25174E-RF
Test Mode: USB 30MHz

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	161.474	-14.26	46.48	32.22	43.50	-11.28	Peak
2	211.434	-11.80	48.16	36.36	43.50	-7.14	Peak
3	253.837	-10.64	51.14	40.50	46.00	-5.50	QP
4	279.656	-9.60	48.65	39.05	46.00	-6.95	Peak
5	335.888	-7.58	42.92	35.34	46.00	-10.66	Peak
6	507.813	-4.27	33.59	29.32	46.00	-16.68	Peak

Vertical

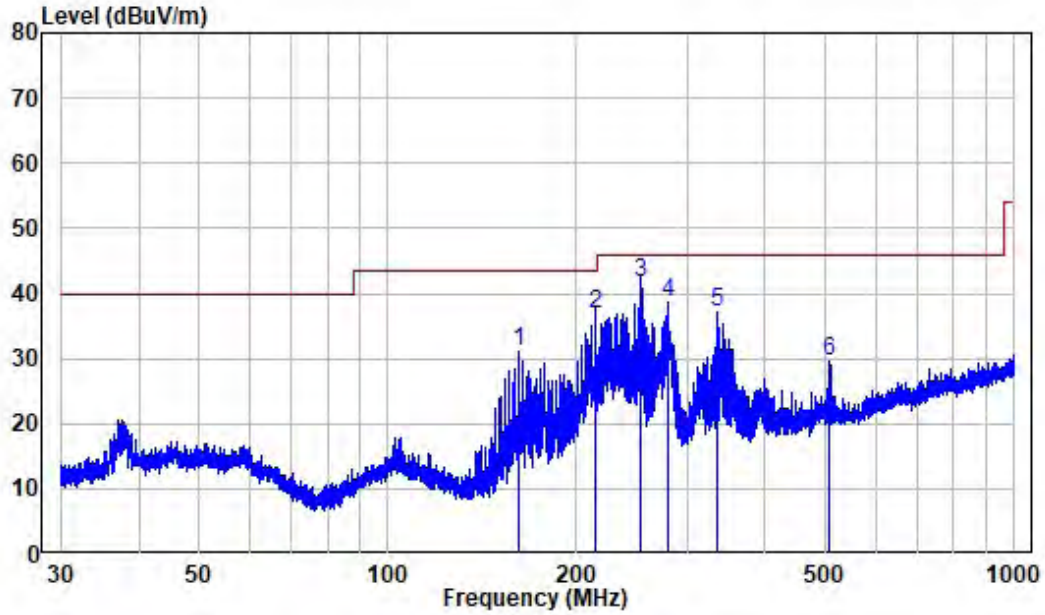


Site : chamber
Condition: 3m VERTICAL
Job No. : SZ4220608-25174E-RF
Test Mode: USB 30MHz

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	161.403	-14.25	49.28	35.03	43.50	-8.47	Peak
2	240.093	-10.90	42.06	31.16	46.00	-14.84	Peak
3	254.059	-10.64	47.84	37.20	46.00	-8.80	Peak
4	276.851	-9.78	43.19	33.41	46.00	-12.59	Peak
5	336.183	-7.57	37.05	29.48	46.00	-16.52	Peak
6	508.258	-4.27	32.52	28.25	46.00	-17.75	Peak

Test mode 10: Receiver at LSB 0.55MHz

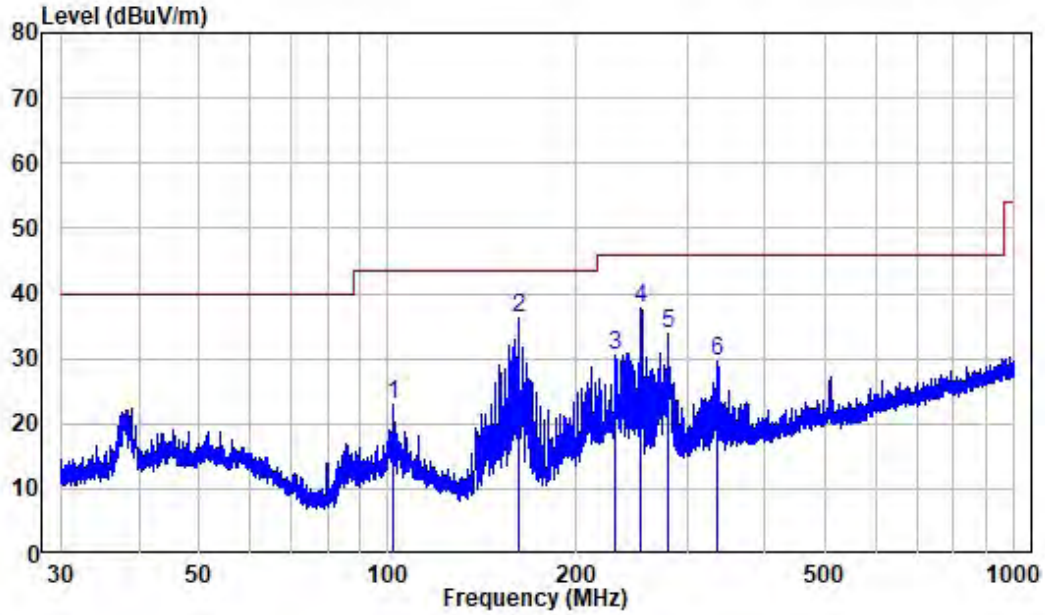
Horizontal



Site : chamber
Condition: 3m HORIZONTAL
Job No. : SZ4220608-25174E-RF
Test Mode: LSB 0.55MHz

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	161.474	-14.26	45.48	31.22	43.50	-12.28	Peak
2	214.045	-11.71	48.44	36.73	43.50	-6.77	QP
3	253.837	-10.64	52.36	41.72	46.00	-4.28	QP
4	279.656	-9.60	48.12	38.52	46.00	-7.48	Peak
5	336.330	-7.57	44.76	37.19	46.00	-8.81	Peak
6	507.813	-4.27	33.94	29.67	46.00	-16.33	Peak

Vertical

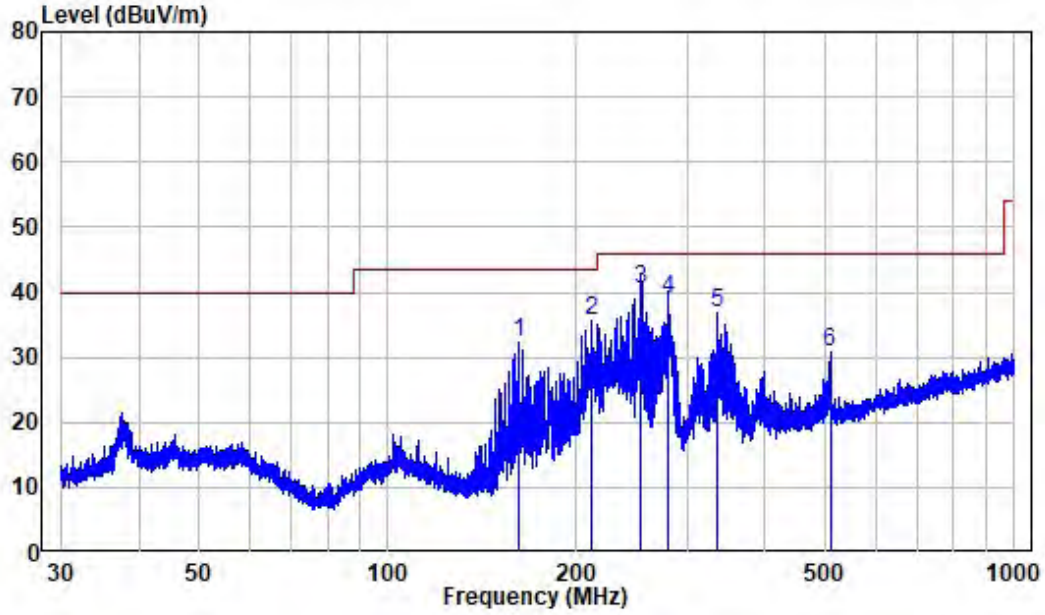


Site : chamber
Condition: 3m VERTICAL
Job No. : SZ4220608-25174E-RF
Test Mode: LSB 0.55MHz

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	101.867	-11.58	34.60	23.02	43.50	-20.48	Peak
2	161.545	-14.27	50.53	36.26	43.50	-7.24	Peak
3	229.796	-11.12	41.76	30.64	46.00	-15.36	Peak
4	253.948	-10.63	48.51	37.88	46.00	-8.12	Peak
5	279.656	-9.60	43.55	33.95	46.00	-12.05	Peak
6	336.477	-7.56	37.22	29.66	46.00	-16.34	Peak

Test mode 11: Receiver at LSB 15.275MHz

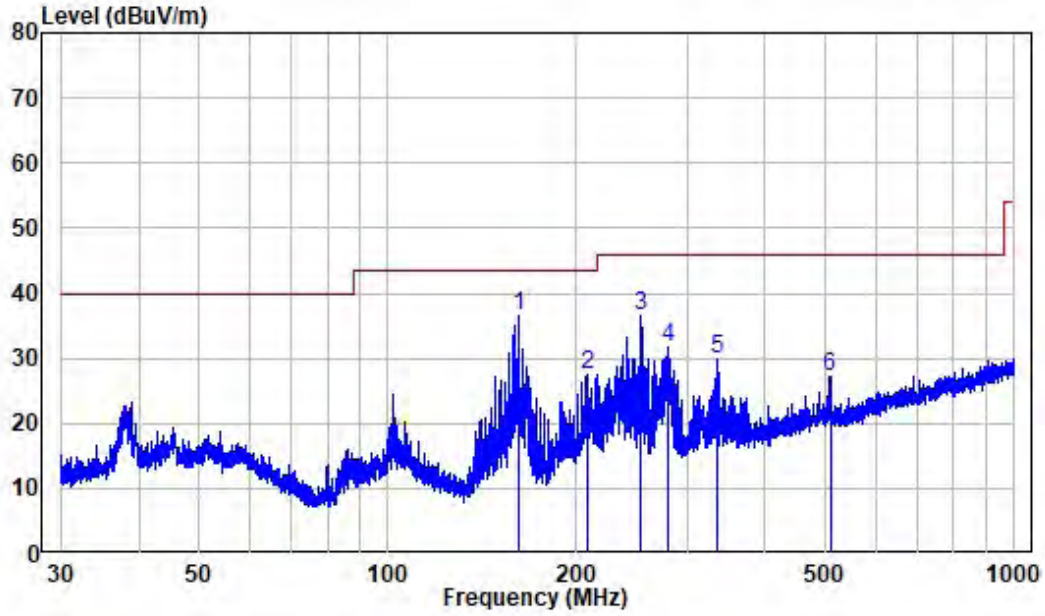
Horizontal



Site : chamber
Condition: 3m HORIZONTAL
Job No. : SZ4220608-25174E-RF
Test Mode: LSB 15.275MHz

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	161.616	-14.27	46.68	32.41	43.50	-11.09	Peak
2	211.434	-11.80	47.33	35.53	43.50	-7.97	Peak
3	253.726	-10.65	51.09	40.44	46.00	-5.56	QP
4	279.656	-9.60	48.66	39.06	46.00	-6.94	QP
5	336.183	-7.57	44.31	36.74	46.00	-9.26	Peak
6	508.036	-4.27	34.91	30.64	46.00	-15.36	Peak

Vertical

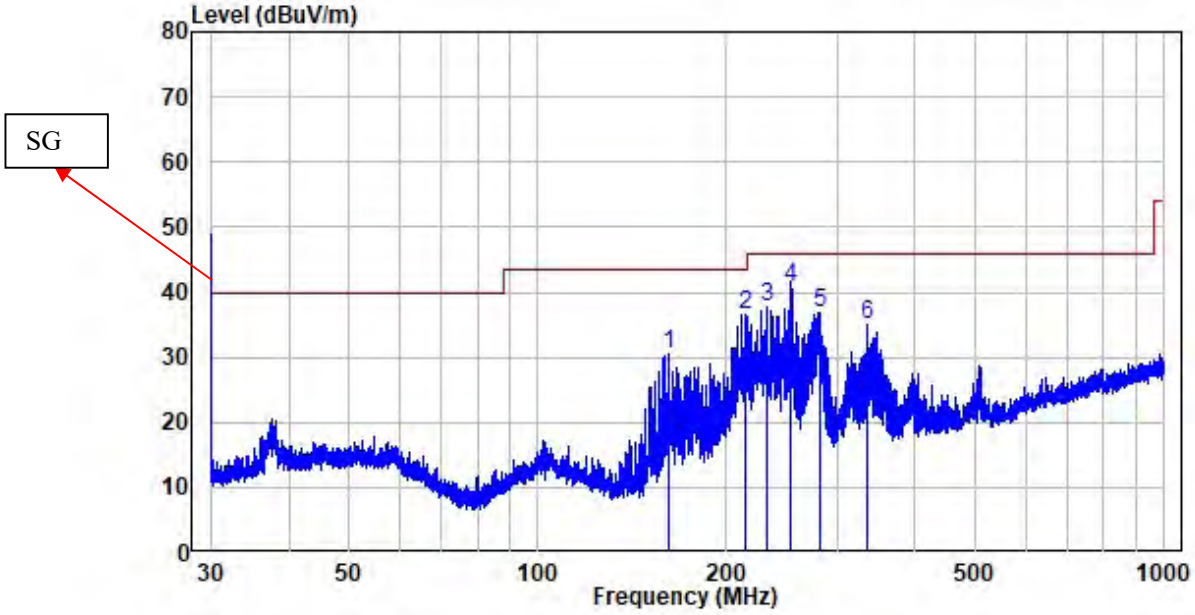


Site : chamber
Condition: 3m VERTICAL
Job No. : SZ4220608-25174E-RF
Test Mode: LSB 15.275MHz

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	161.687	-14.27	50.78	36.51	43.50	-6.99	Peak
2	208.672	-11.85	39.45	27.60	43.50	-15.90	Peak
3	253.837	-10.64	47.14	36.50	46.00	-9.50	Peak
4	279.411	-9.62	41.29	31.67	46.00	-14.33	Peak
5	336.035	-7.58	37.61	30.03	46.00	-15.97	Peak
6	508.036	-4.27	31.52	27.25	46.00	-18.75	Peak

Test mode 12: Receiver at LSB 30MHz

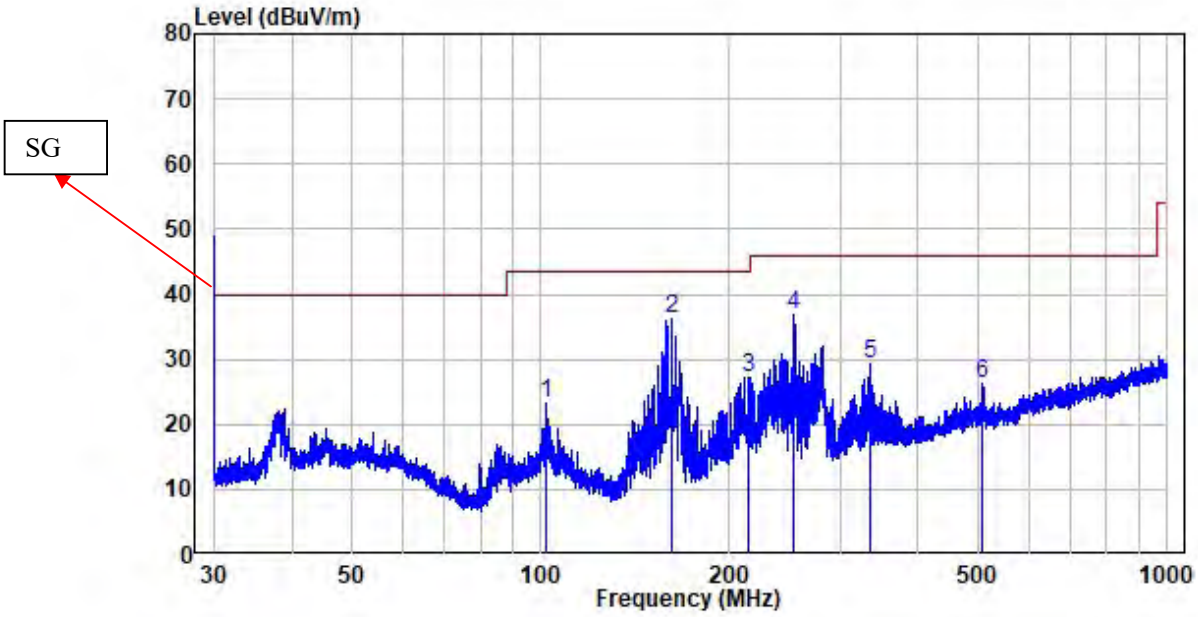
Horizontal



Site : chamber
Condition: 3m HORIZONTAL
Job No. : SZ4220608-25174E-RF
Test Mode: LSB 30MHz

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	161.545	-14.27	44.63	30.36	43.50	-13.14	Peak
2	213.857	-11.72	48.25	36.53	43.50	-6.97	Peak
3	232.125	-11.05	48.74	37.69	46.00	-8.31	Peak
4	253.948	-10.63	51.38	40.75	46.00	-5.25	QP
5	282.118	-9.52	46.31	36.79	46.00	-9.21	Peak
6	335.888	-7.58	42.58	35.00	46.00	-11.00	Peak

Vertical

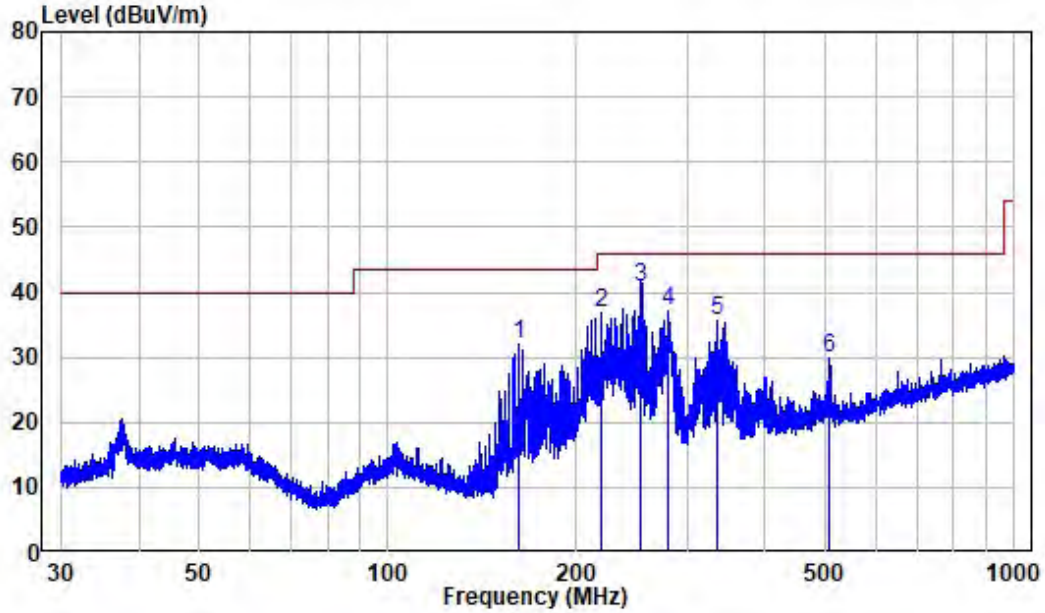


Site : chamber
Condition: 3m VERTICAL
Job No. : SZ4220608-25174E-RF
Test Mode: LSB 30MHz

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	101.867	-11.58	34.71	23.13	43.50	-20.37	Peak
2	161.403	-14.25	50.35	36.10	43.50	-7.40	Peak
3	214.139	-11.71	38.93	27.22	43.50	-16.28	Peak
4	253.948	-10.63	47.44	36.81	46.00	-9.19	Peak
5	335.888	-7.58	37.01	29.43	46.00	-16.57	Peak
6	507.813	-4.27	30.66	26.39	46.00	-19.61	Peak

Test mode 13: Receiver at CW 0.55MHz

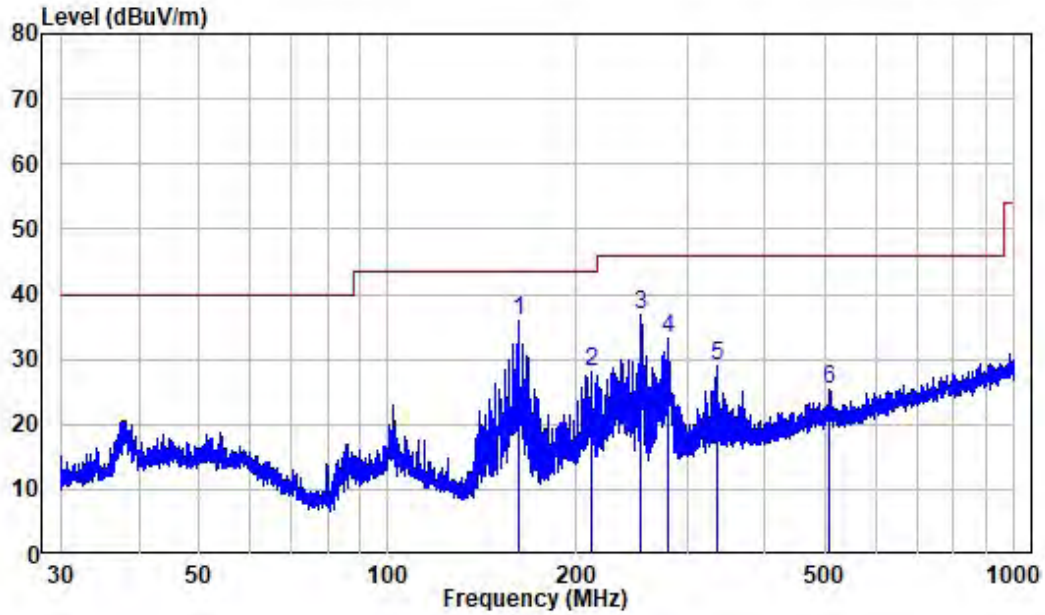
Horizontal



Site : chamber
Condition: 3m HORIZONTAL
Job No. : SZ4220608-25174E-RF
Test Mode: CW 0.55MHz

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	161.333	-14.25	46.16	31.91	43.50	-11.59	Peak
2	219.171	-11.45	48.18	36.73	46.00	-9.27	Peak
3	253.837	-10.64	51.35	40.71	46.00	-5.29	QP
4	279.533	-9.61	46.85	37.24	46.00	-8.76	Peak
5	336.035	-7.58	43.06	35.48	46.00	-10.52	Peak
6	507.813	-4.27	34.29	30.02	46.00	-15.98	Peak

Vertical

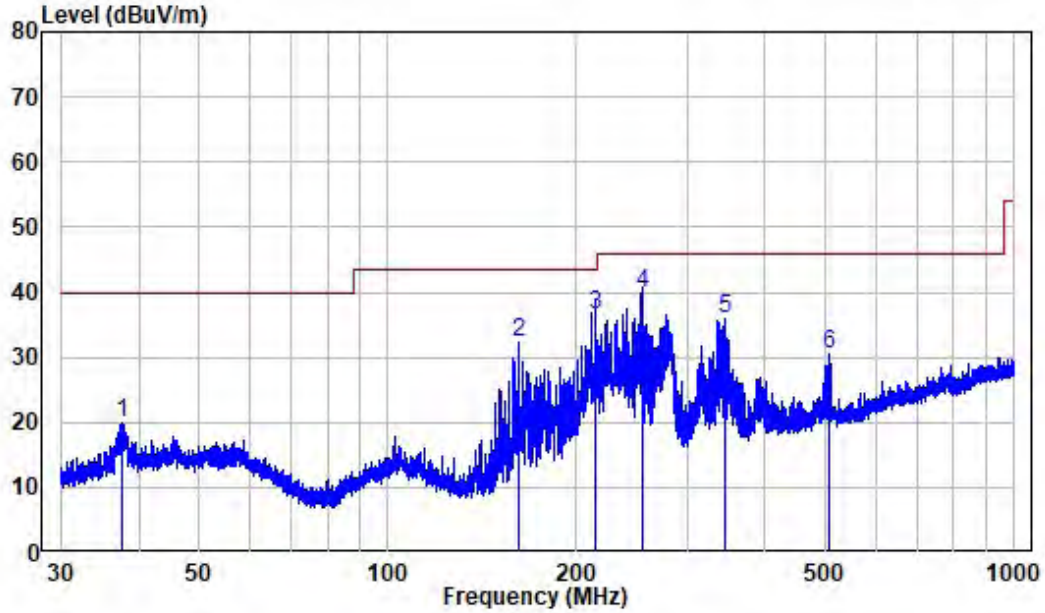


Site : chamber
Condition: 3m VERTICAL
Job No. : SZ4220608-25174E-RF
Test Mode: CW 0.55MHz

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	161.333	-14.25	50.05	35.80	43.50	-7.70	Peak
2	211.341	-11.80	39.96	28.16	43.50	-15.34	Peak
3	253.726	-10.65	47.34	36.69	46.00	-9.31	Peak
4	279.656	-9.60	42.77	33.17	46.00	-12.83	Peak
5	336.035	-7.58	36.58	29.00	46.00	-17.00	Peak
6	507.590	-4.27	29.57	25.30	46.00	-20.70	Peak

Test mode 14: Receiver at CW 15.275MHz

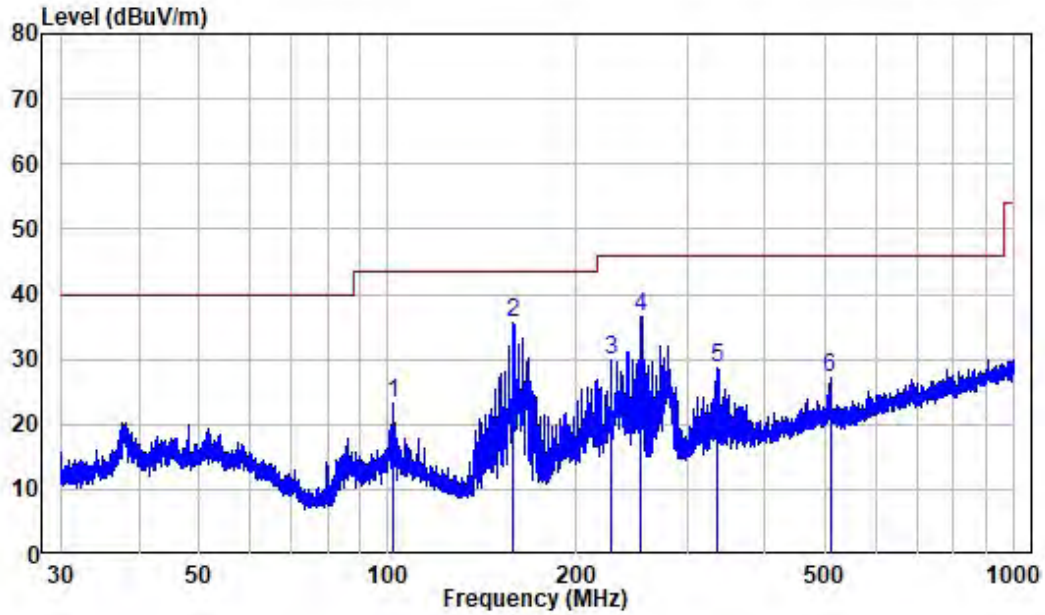
Horizontal



Site : chamber
Condition: 3m HORIZONTAL
Job No. : SZ4220608-25174E-RF
Test Mode: CW 15.275MHz

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	37.515	-10.90	30.75	19.85	40.00	-20.15	Peak
2	161.616	-14.27	46.64	32.37	43.50	-11.13	Peak
3	213.951	-11.71	48.23	36.52	43.50	-6.98	QP
4	254.171	-10.64	50.34	39.70	46.00	-6.30	QP
5	345.141	-7.22	43.03	35.81	46.00	-10.19	Peak
6	507.813	-4.27	34.86	30.59	46.00	-15.41	Peak

Vertical

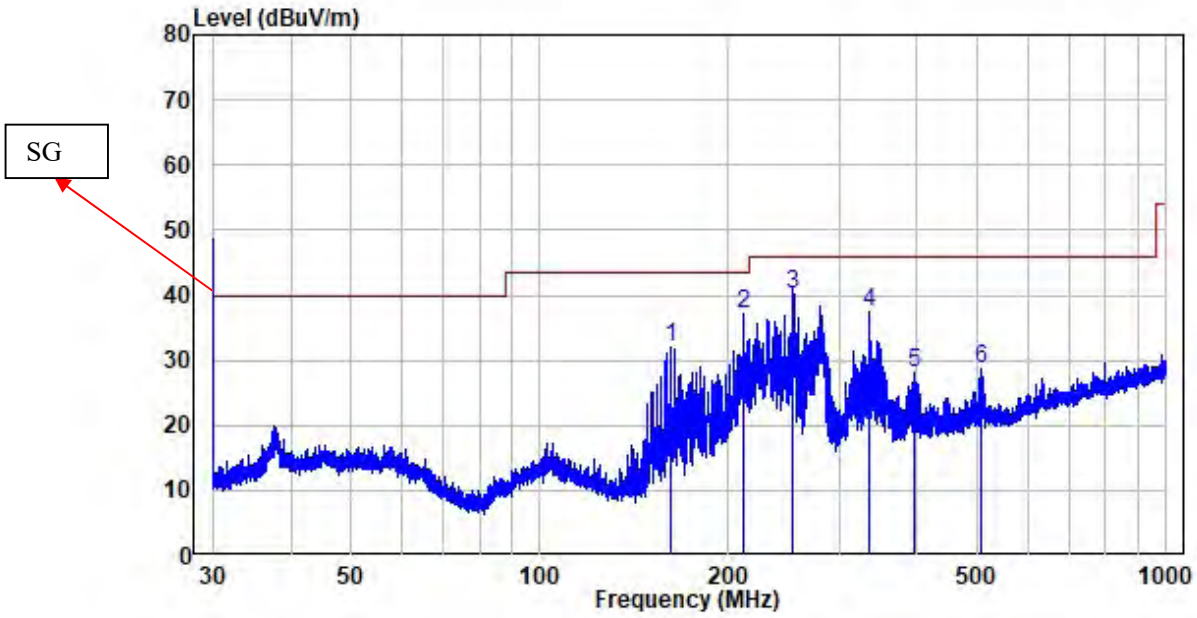


Site : chamber
Condition: 3m VERTICAL
Job No. : SZ4220608-25174E-RF
Test Mode: CW 15.275MHz

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	101.867	-11.58	34.75	23.17	43.50	-20.33	Peak
2	158.807	-14.38	49.93	35.55	43.50	-7.95	Peak
3	227.192	-11.19	41.06	29.87	46.00	-16.13	Peak
4	253.948	-10.63	47.11	36.48	46.00	-9.52	Peak
5	336.330	-7.57	36.23	28.66	46.00	-17.34	Peak
6	508.036	-4.27	31.38	27.11	46.00	-18.89	Peak

Test mode 15: Receiver at CW 30MHz

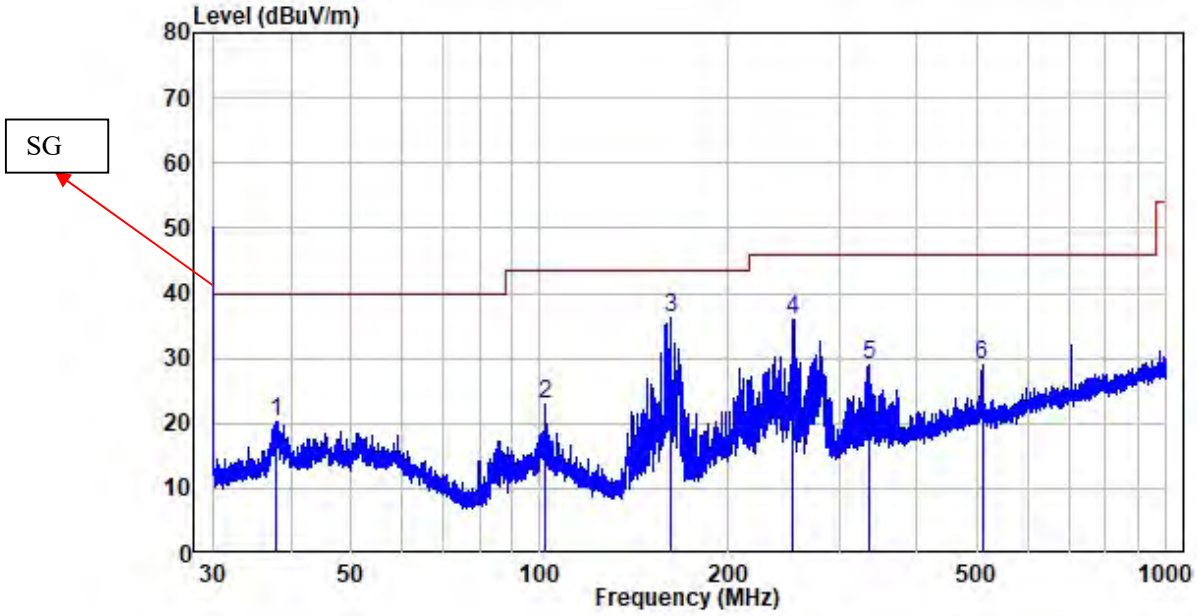
Horizontal



Site : chamber
Condition: 3m HORIZONTAL
Job No. : SZ4220608-25174E-RF
Test Mode: CW 30MHz

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	161.616	-14.27	46.27	32.00	43.50	-11.50	Peak
2	211.527	-11.80	49.03	37.23	43.50	-6.27	Peak
3	253.837	-10.64	50.75	40.11	46.00	-5.89	QP
4	336.330	-7.57	44.96	37.39	46.00	-8.61	Peak
5	395.028	-6.81	35.01	28.20	46.00	-17.80	Peak
6	507.813	-4.27	33.08	28.81	46.00	-17.19	Peak

Vertical

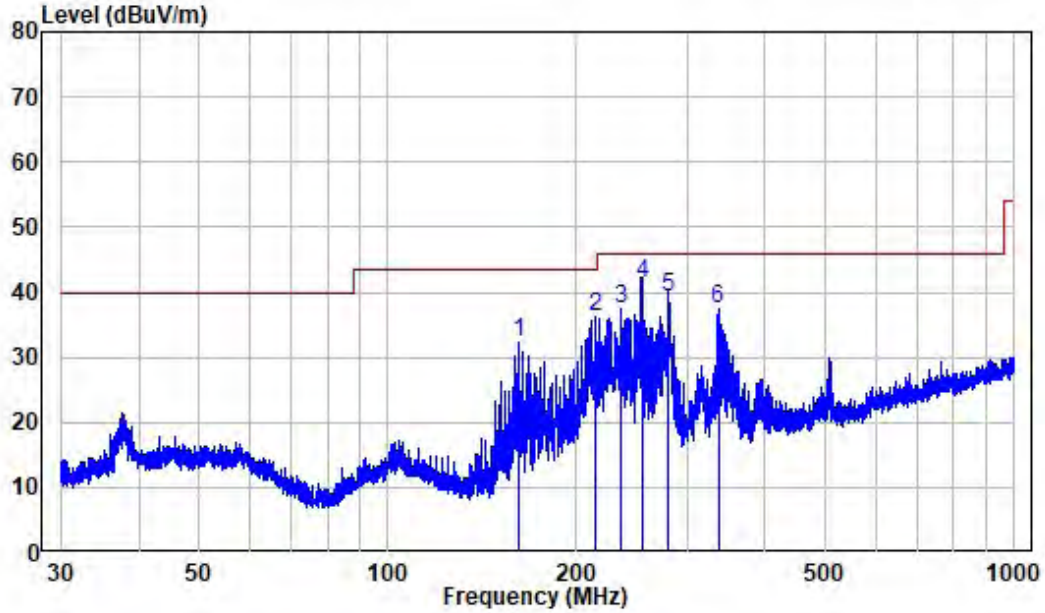


Site : chamber
Condition: 3m VERTICAL
Job No. : SZ4220608-25174E-RF
Test Mode: CW 30MHz

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	37.796	-10.85	31.19	20.34	40.00	-19.66	Peak
2	101.867	-11.58	34.46	22.88	43.50	-20.62	Peak
3	161.545	-14.27	50.61	36.34	43.50	-7.16	Peak
4	253.948	-10.63	46.52	35.89	46.00	-10.11	Peak
5	335.888	-7.58	36.55	28.97	46.00	-17.03	Peak
6	508.036	-4.27	33.17	28.90	46.00	-17.10	Peak

Test mode 16: Scannig (FM)

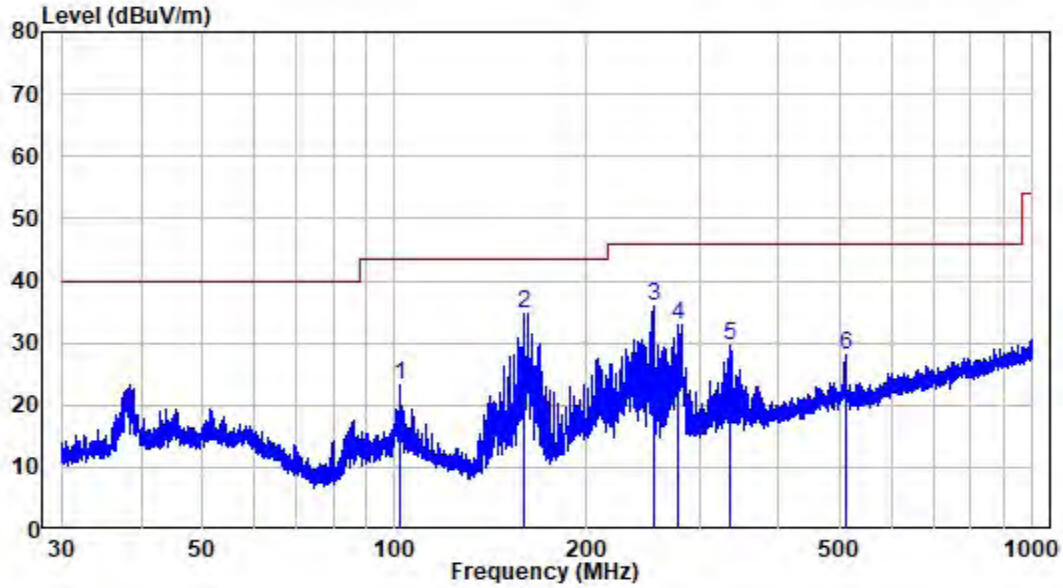
Horizontal



Site : chamber
Condition: 3m HORIZONTAL
Job No. : SZ4220608-25174E-RF
Test Mode: Scanning

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	161.616	-14.27	46.67	32.40	43.50	-11.10	Peak
2	214.232	-11.71	48.00	36.29	43.50	-7.21	Peak
3	235.403	-10.96	48.41	37.45	46.00	-8.55	Peak
4	254.059	-10.64	51.99	41.35	46.00	-4.65	QP
5	279.533	-9.61	48.74	39.13	46.00	-6.87	QP
6	336.625	-7.56	45.07	37.51	46.00	-8.49	Peak

Vertical



Site : chamber
Condition: 3m VERTICAL
Job No. : SZ4220608-25174E-RF
Test Mode: Scanning

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	101.867	-11.58	34.95	23.37	43.50	-20.13	Peak
2	159.086	-14.34	49.18	34.84	43.50	-8.66	Peak
3	254.059	-10.64	46.60	35.96	46.00	-10.04	Peak
4	277.215	-9.76	42.81	33.05	46.00	-12.95	Peak
5	336.477	-7.56	37.01	29.45	46.00	-16.55	Peak
6	508.258	-4.27	32.27	28.00	46.00	-18.00	Peak

FCC §15.111 - ANTENNA CONDUCTED POWER FOR RECEIVERS

Applicable Standard

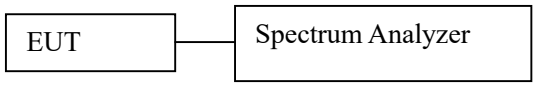
FCC §15.111

Limit

The antenna conducted power of the receiver as defined in §15.111 shall not exceed the values given in the following tables

Frequency Range	Limit
9 kHz to 1 GHz	2.0 nW (-57 dBm)

EUT Setup



Test Procedure

1. The receiver antenna terminal connected to a spectrum analyzer.

2. The test data of the worst case condition was reported on the following Data page.

Test Data

Environmental Conditions

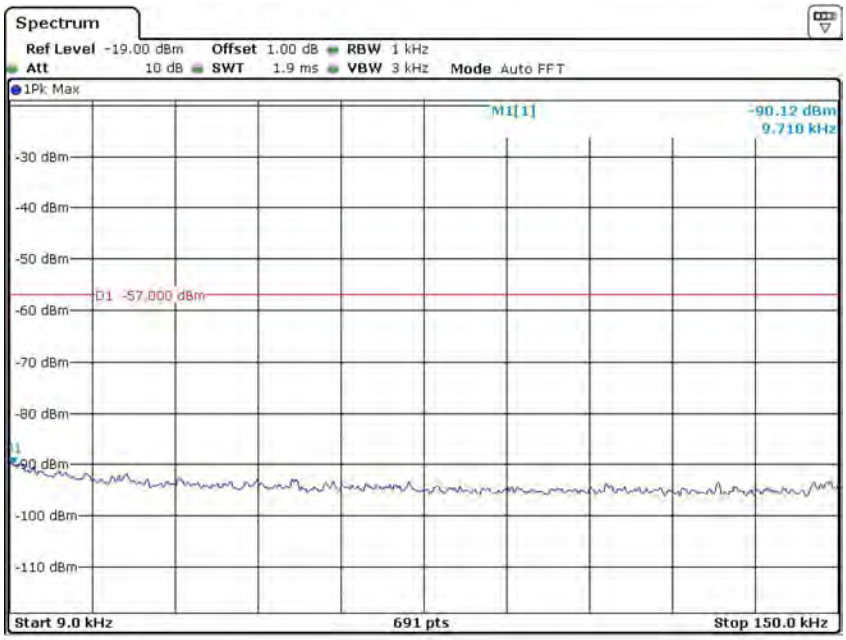
Temperature:	23~24 ℃
Relative Humidity:	53~54 %
ATM Pressure:	101.0 ~101.1kPa

The testing was performed by Glenn Jiang from 2022-07-18 to 2022-07-19.

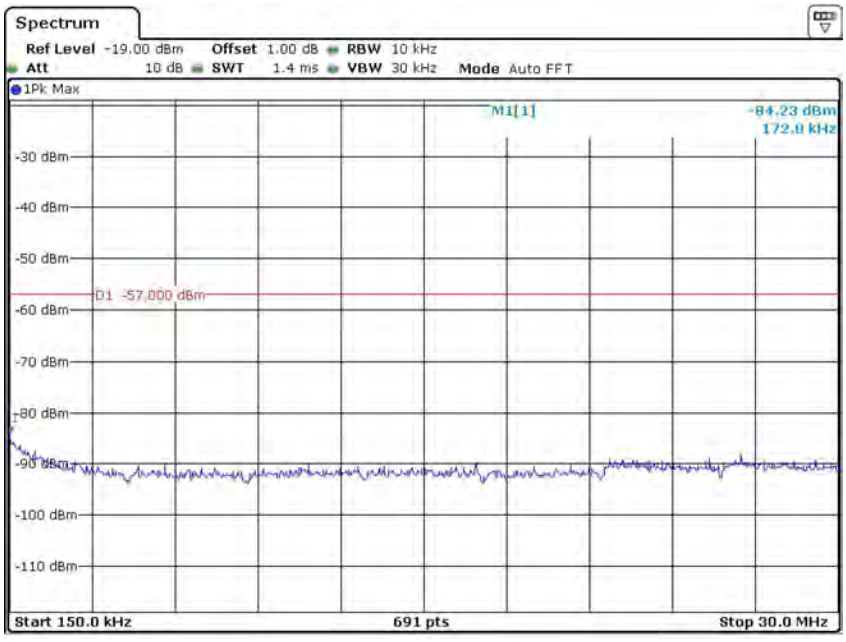
EUT operation mode: FM/AM/USB/LSB/CW/Scannig(FM)

Test mode 1: Receiver at FM 87MHz

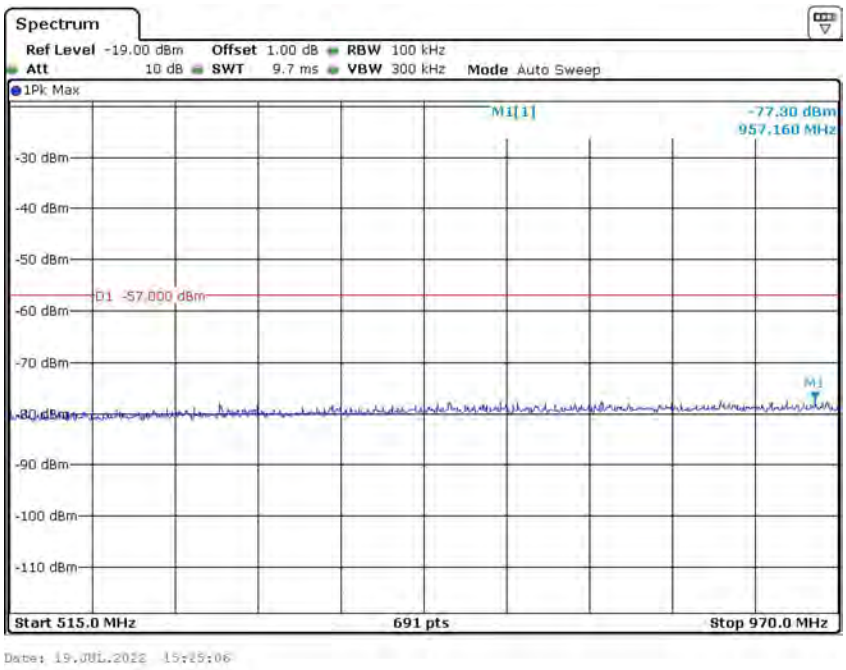
Conducted Measurement (9 kHz to 150 kHz)



Conducted Measurement (150 kHz to 30MHz)

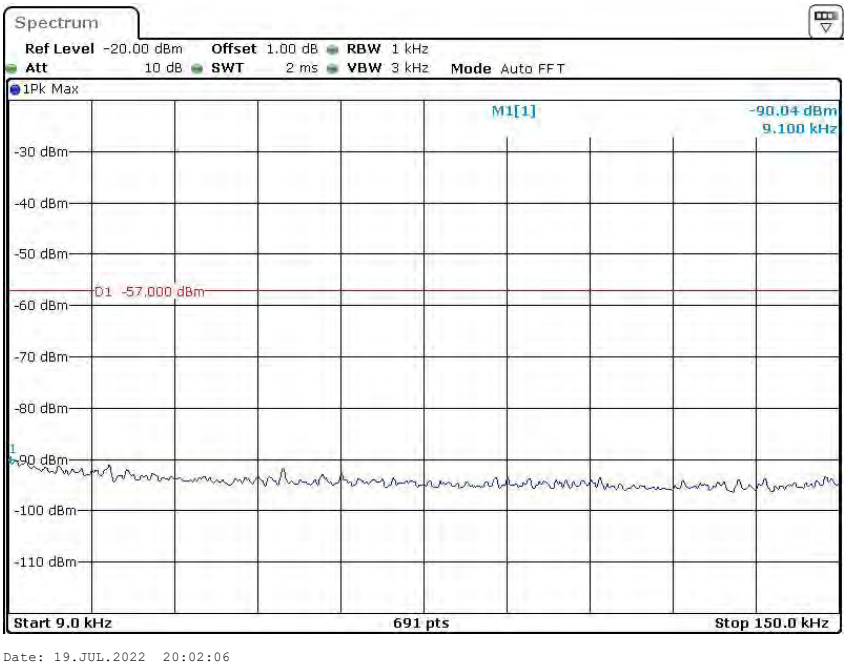


Conducted Measurement (30MHz to 1GHz)

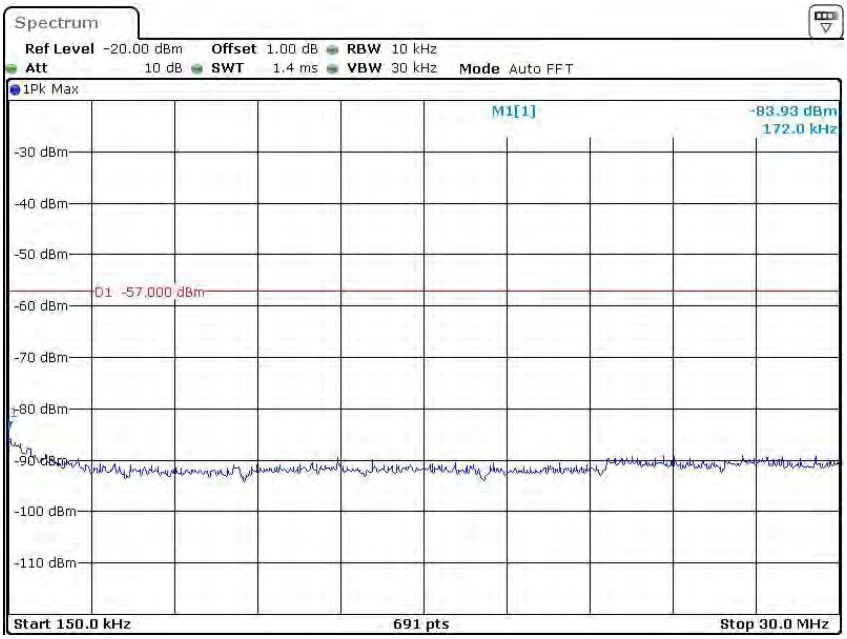


Test mode 2: Receiver at FM 97.5MHz

Conducted Measurement (9 kHz to 150 kHz)

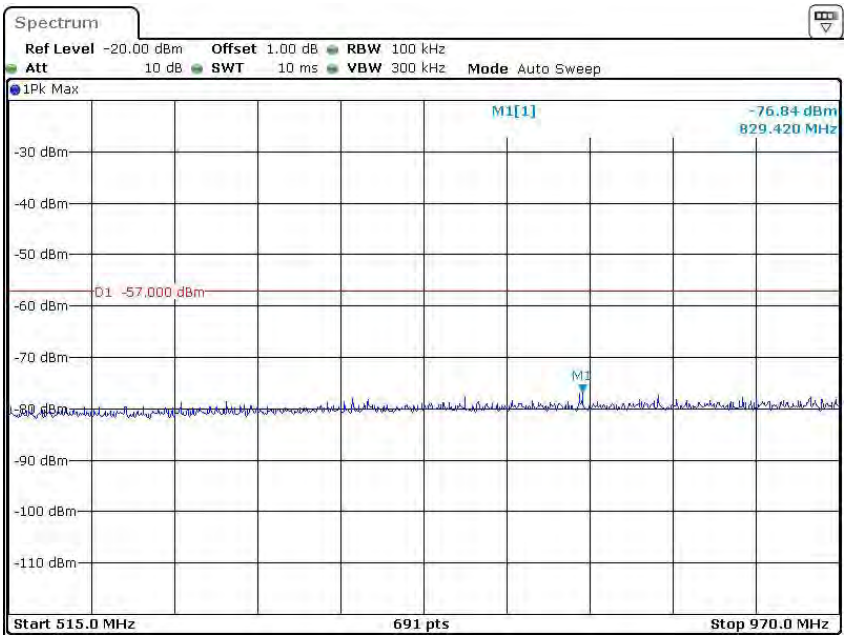


Conducted Measurement (150 kHz to 30MHz)



Date: 19.JUL.2022 20:03:01

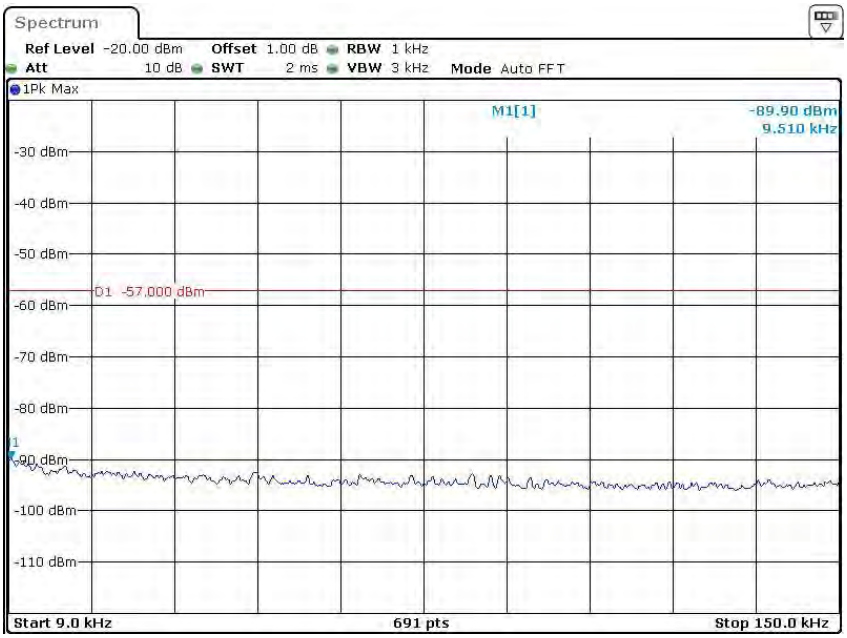
Conducted Measurement (30MHz to 1GHz)



Date: 19.JUL.2022 20:02:34

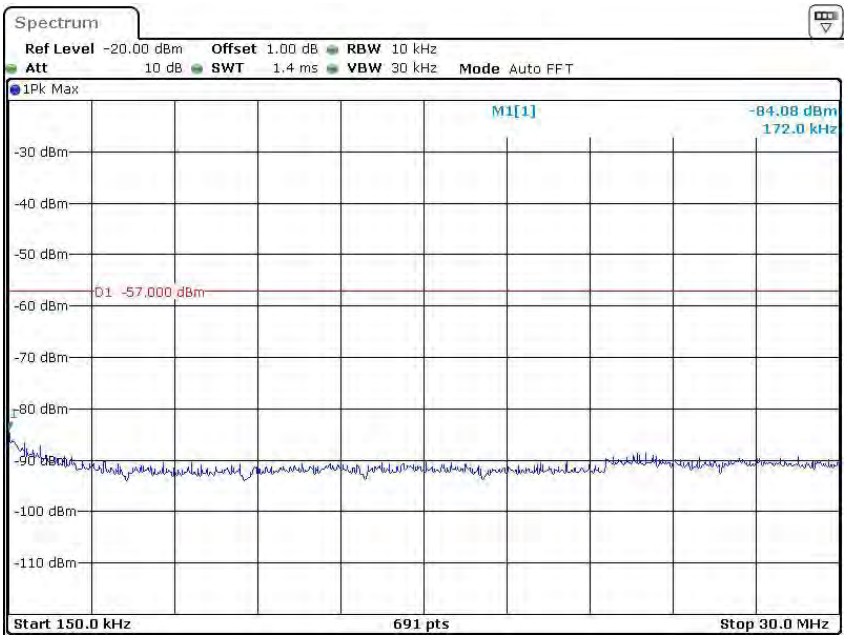
Test mode 3: Receiver at FM 108MHz

Conducted Measurement (9 kHz to 150 kHz)



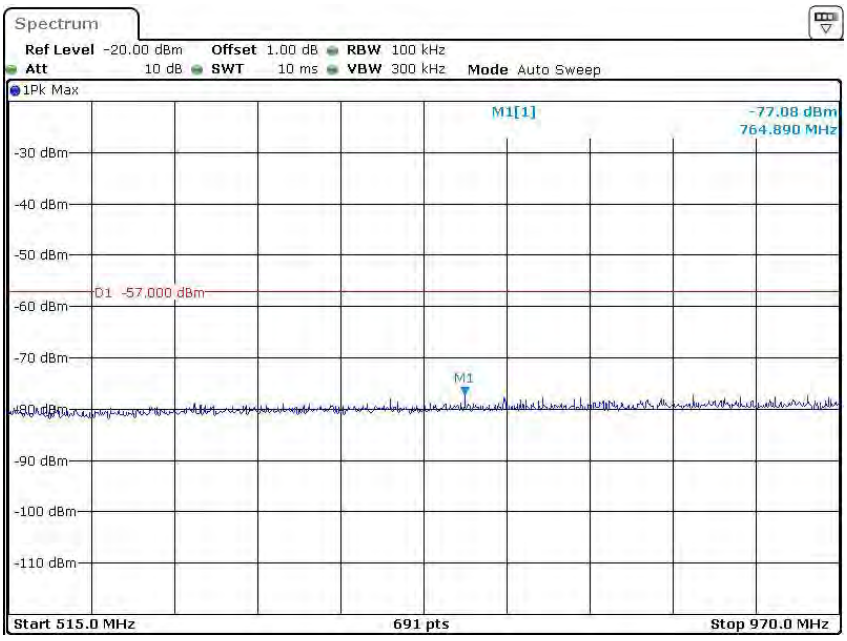
Date: 19.JUL.2022 19:46:50

Conducted Measurement (150 kHz to 30MHz)



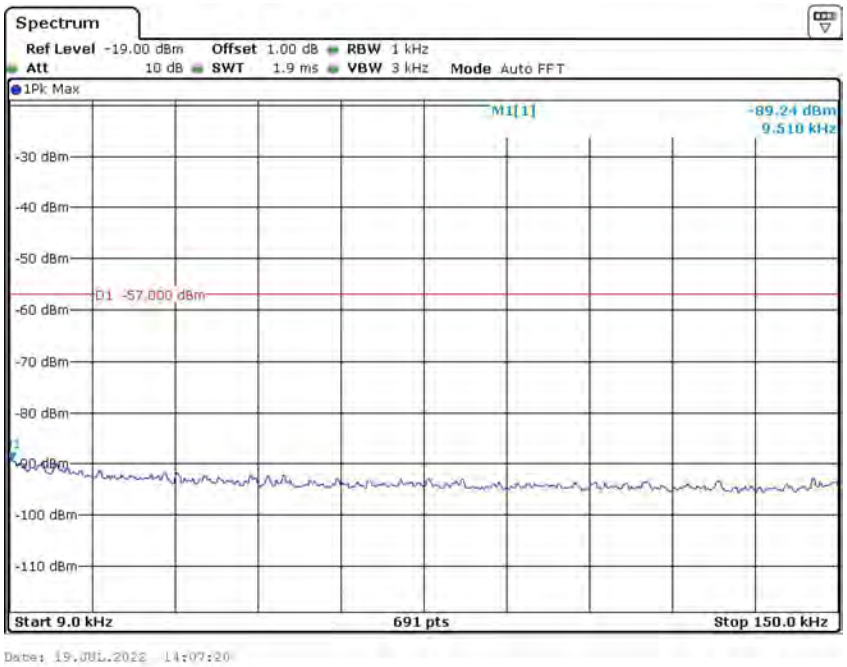
Date: 19.JUL.2022 19:47:58

Conducted Measurement (30MHz to 1GHz)

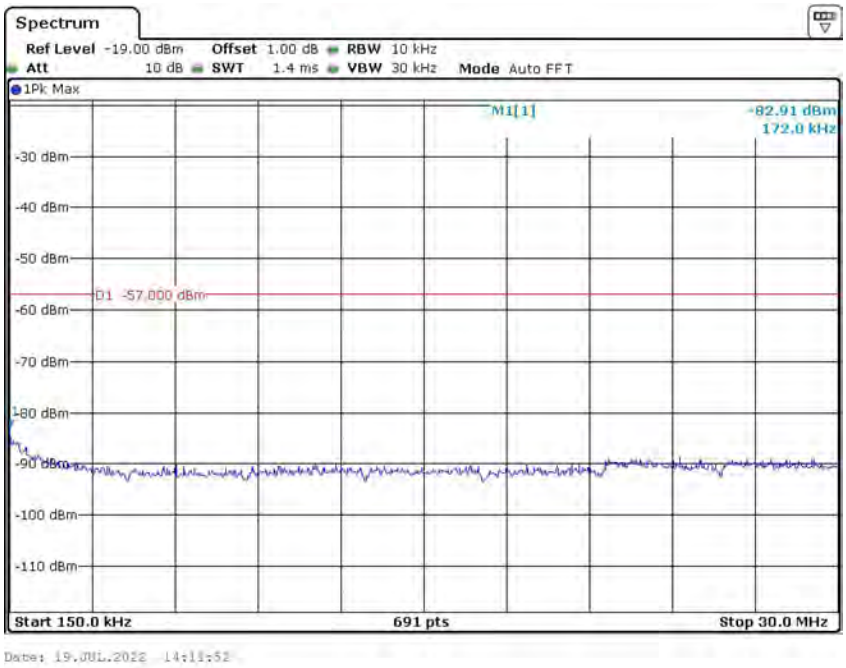


Test mode 4: Receiver at AM 0.55MHz

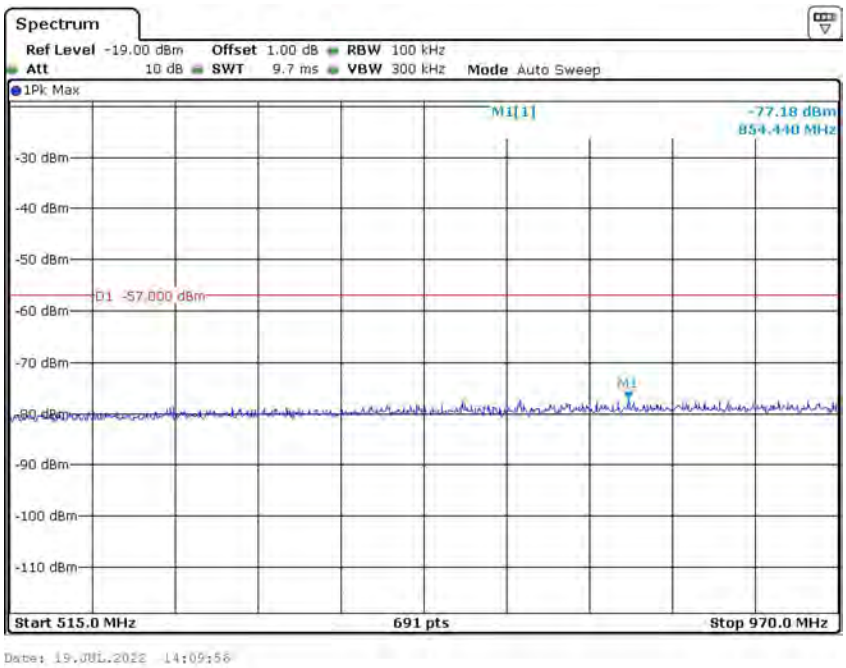
Conducted Measurement (9 kHz to 150 kHz)



Conducted Measurement (150 kHz to 30MHz)

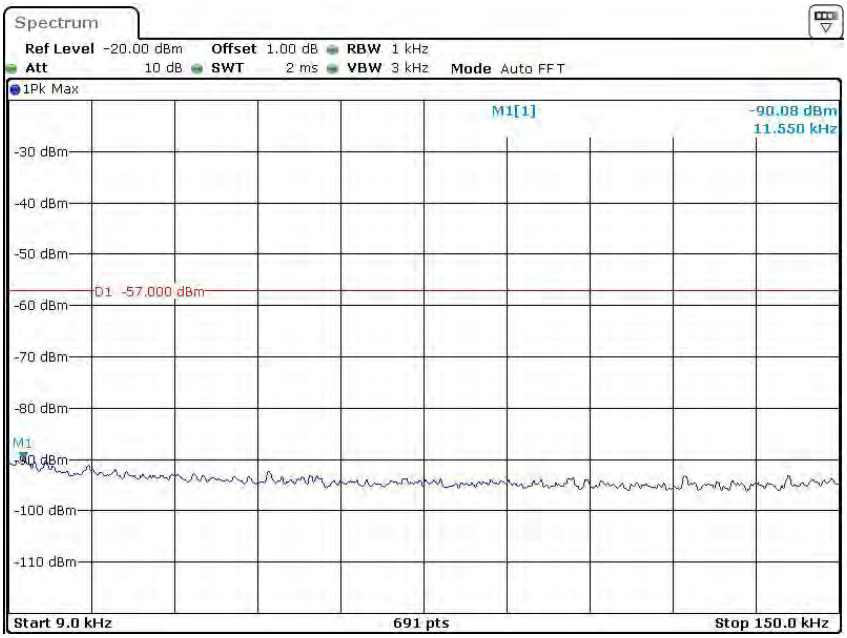


Conducted Measurement (30MHz to 1GHz)



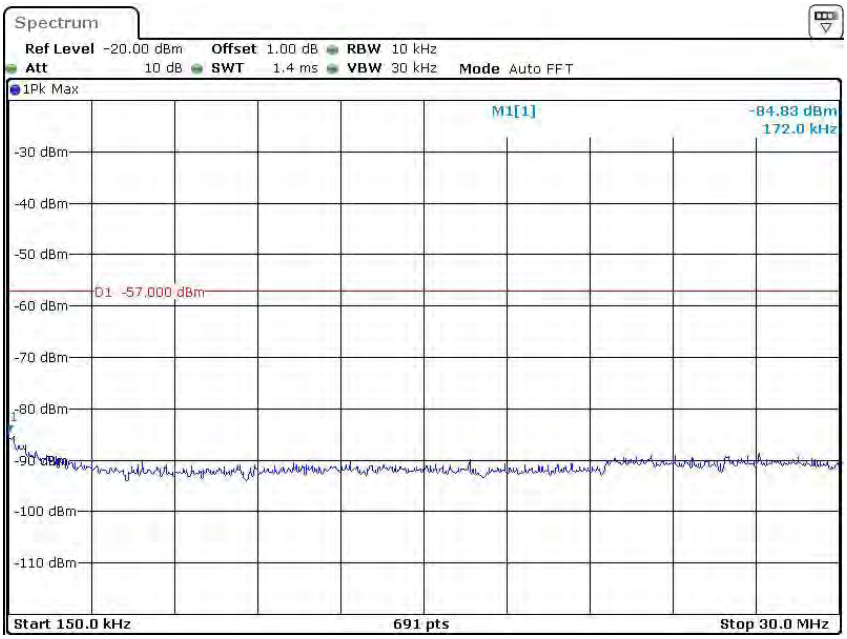
Test mode 5: Receiver at AM 15.275MHz

Conducted Measurement (9 kHz to 150 kHz)



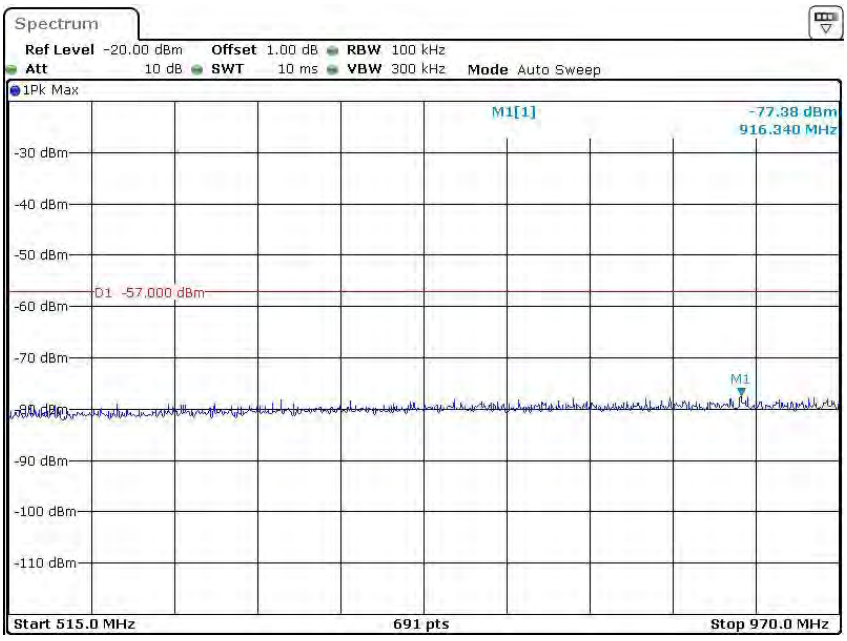
Date: 19.JUL.2022 19:59:45

Conducted Measurement (150 kHz to 30MHz)



Date: 19.JUL.2022 20:00:43

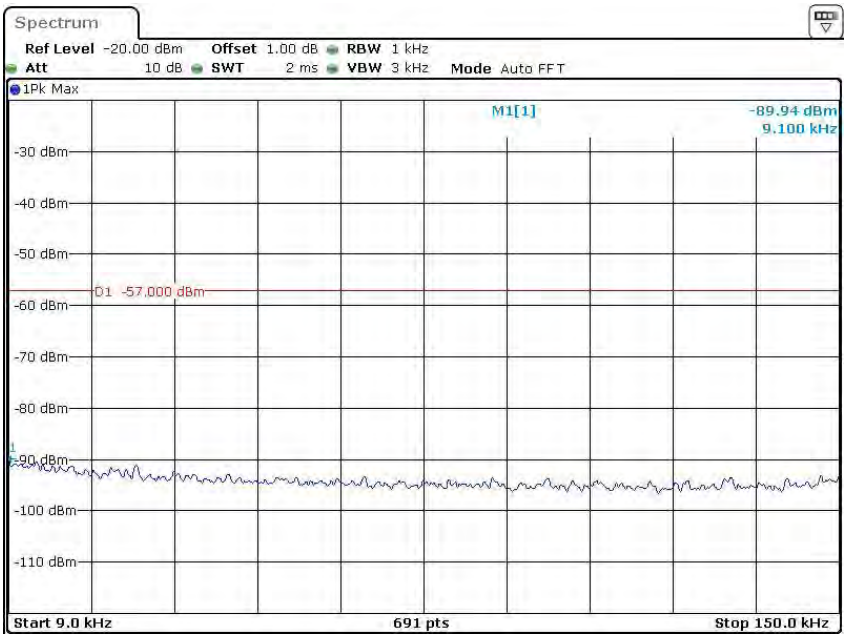
Conducted Measurement (30MHz to 1GHz)



Date: 19.JUL.2022 20:00:15

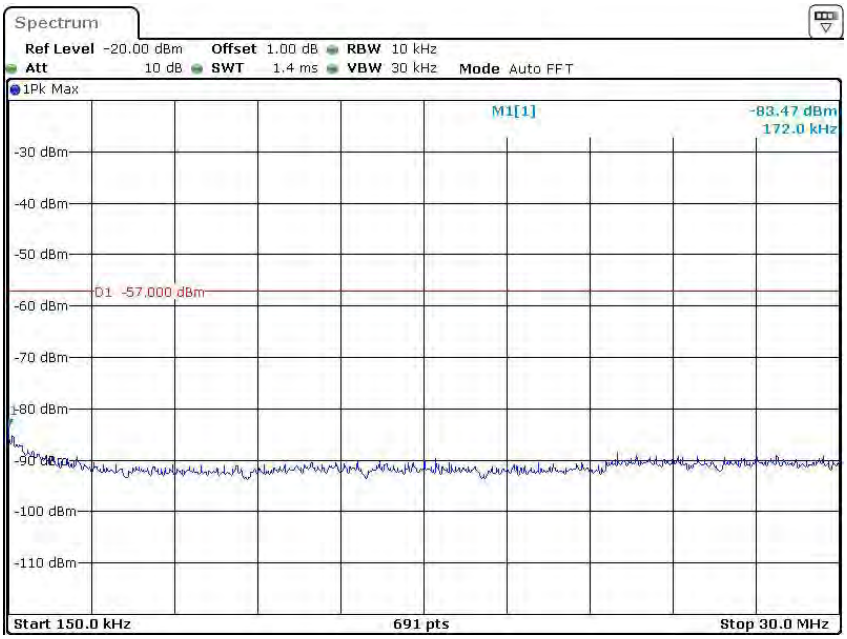
Test mode 6: Receiver at AM 30MHz

Conducted Measurement (9 kHz to 150 kHz)



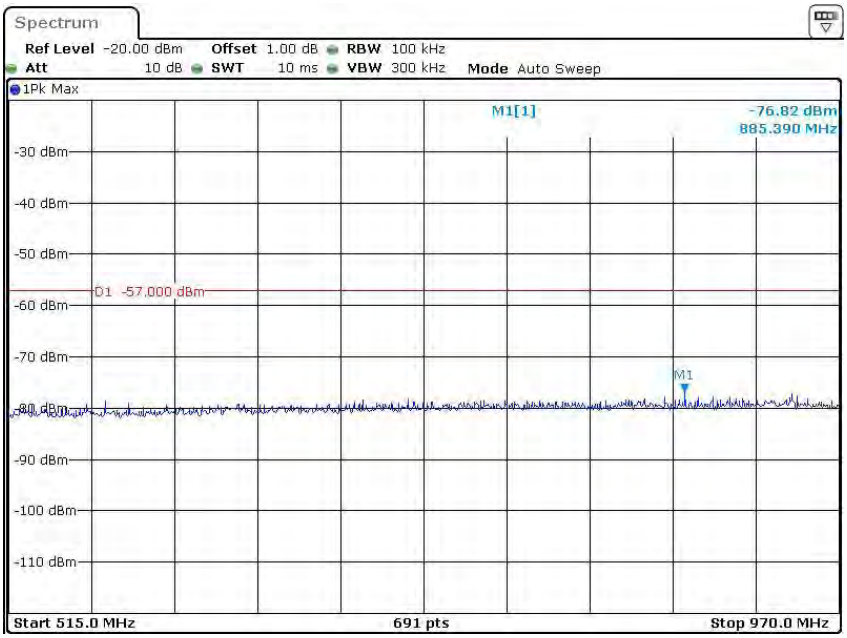
Date: 19.JUL.2022 19:56:19

Conducted Measurement (150 kHz to 30MHz)



Date: 19.JUL.2022 19:57:15

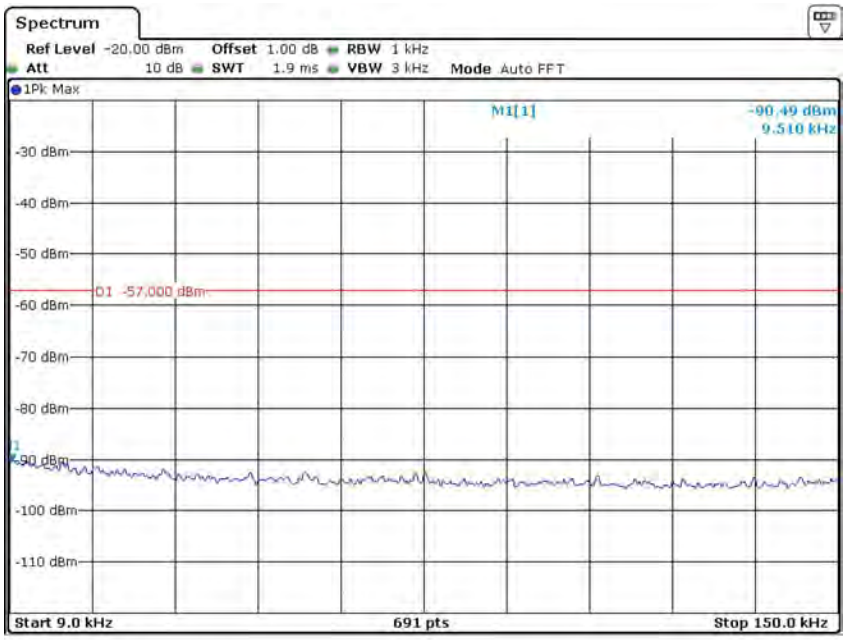
Conducted Measurement (30MHz to 1GHz)



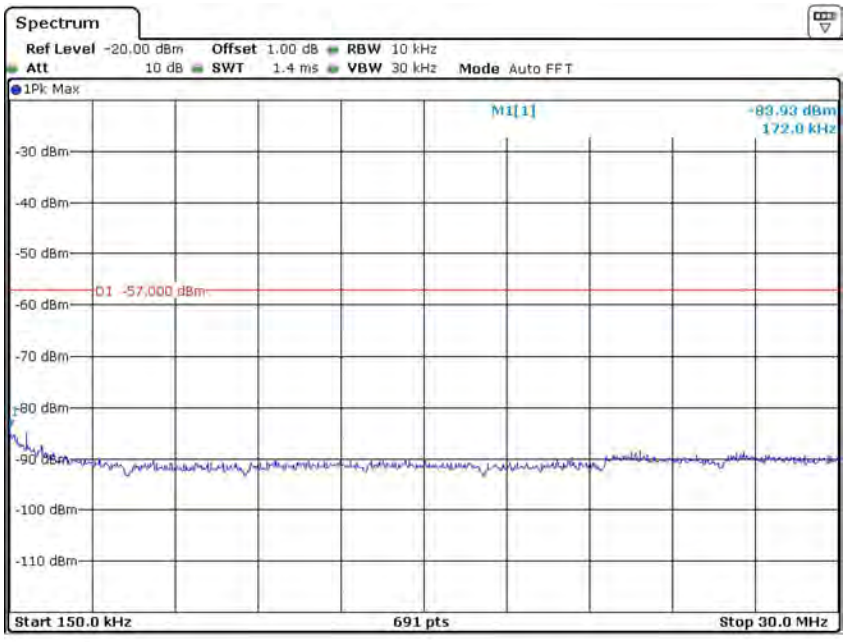
Date: 19.JUL.2022 19:56:47

Test mode 7: Receiver at USB 0.55MHz

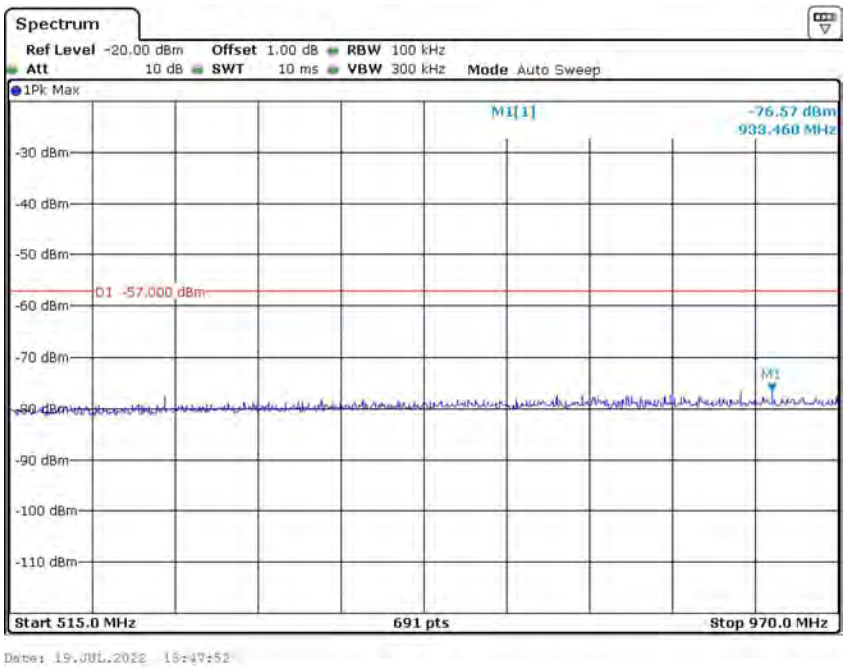
Conducted Measurement (9 kHz to 150 kHz)



Conducted Measurement (150 kHz to 30MHz)

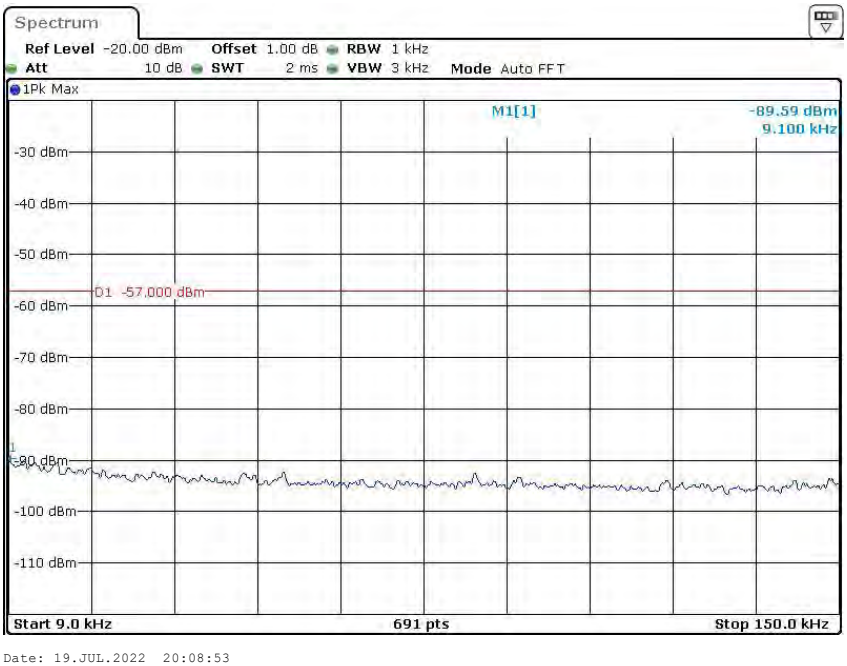


Conducted Measurement (30MHz to 1GHz)

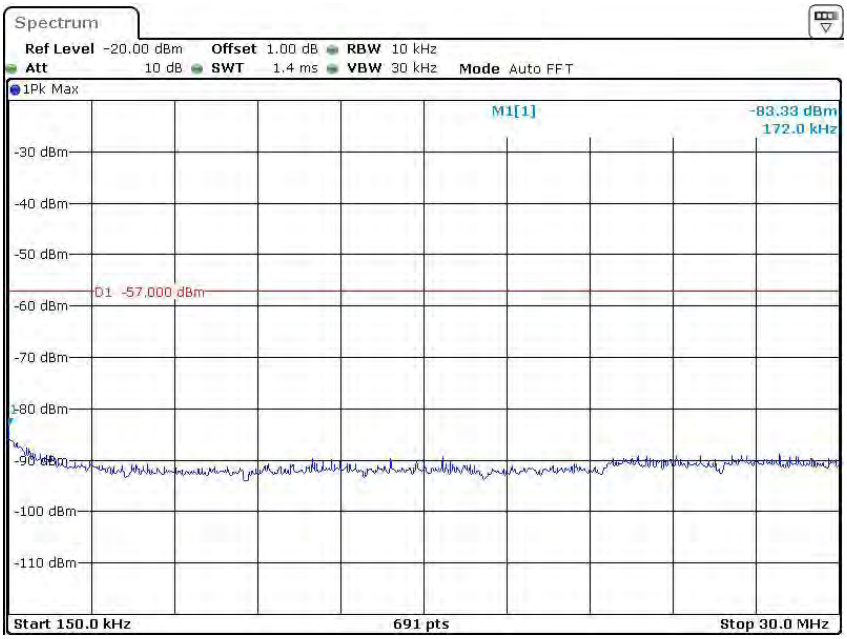


Test mode 8: Receiver at USB 15.275MHz

Conducted Measurement (9 kHz to 150 kHz)

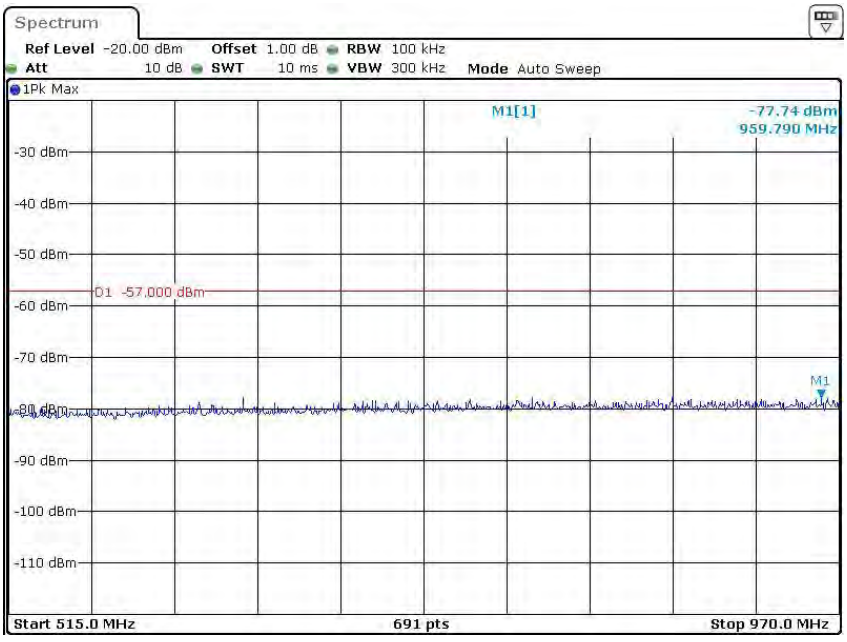


Conducted Measurement (150 kHz to 30MHz)



Date: 19.JUL.2022 20:12:53

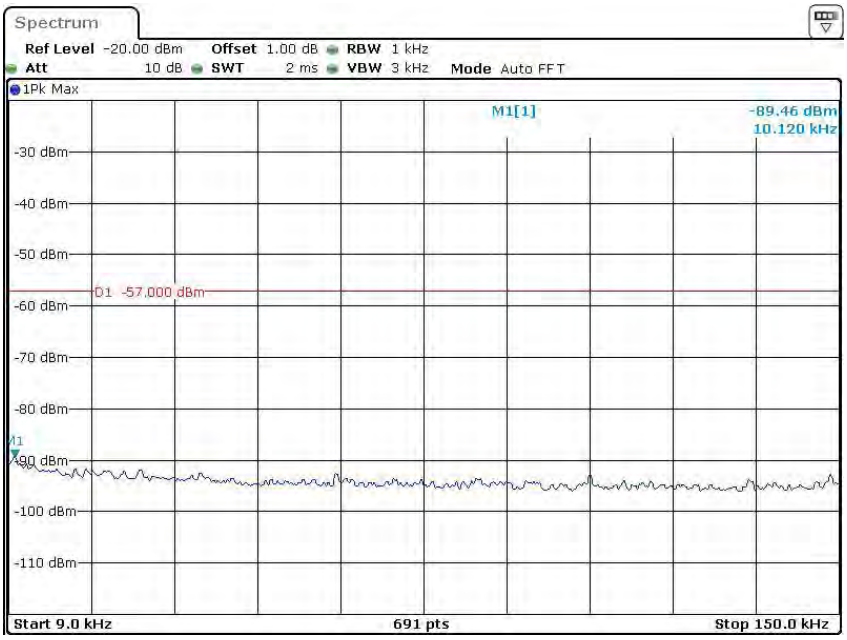
Conducted Measurement (30MHz to 1GHz)



Date: 19.JUL.2022 20:09:23

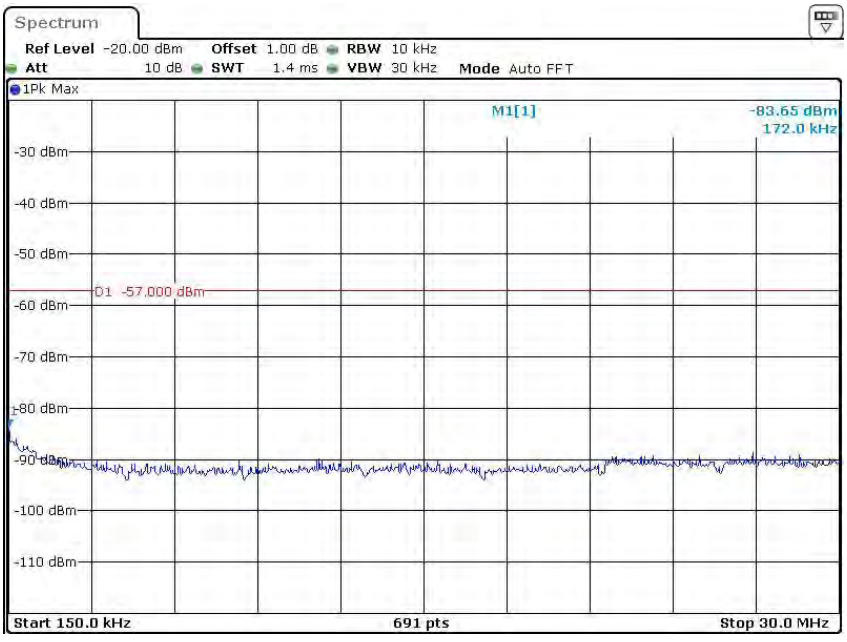
Test mode 9: Receiver at USB 30MHz

Conducted Measurement (9 kHz to 150 kHz)



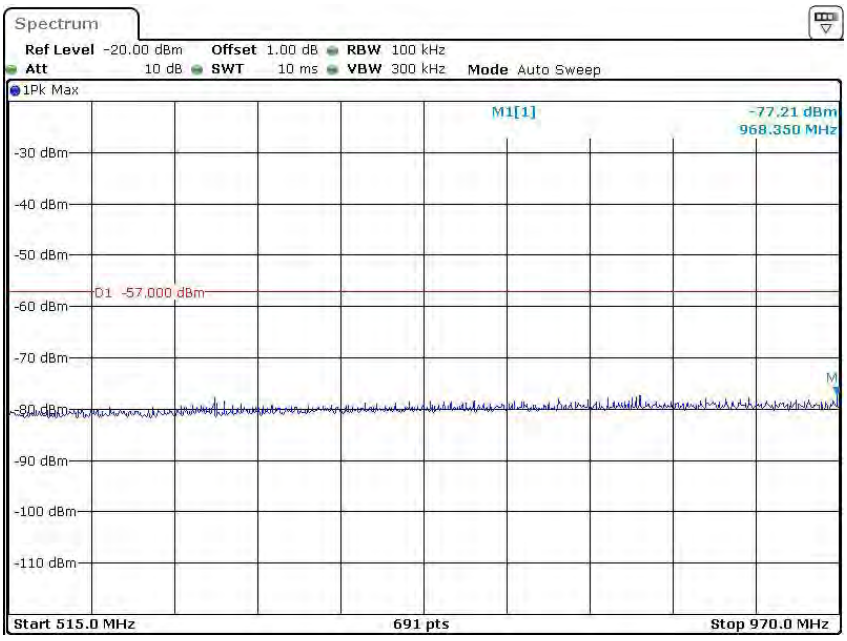
Date: 19.JUL.2022 19:49:17

Conducted Measurement (150 kHz to 30MHz)



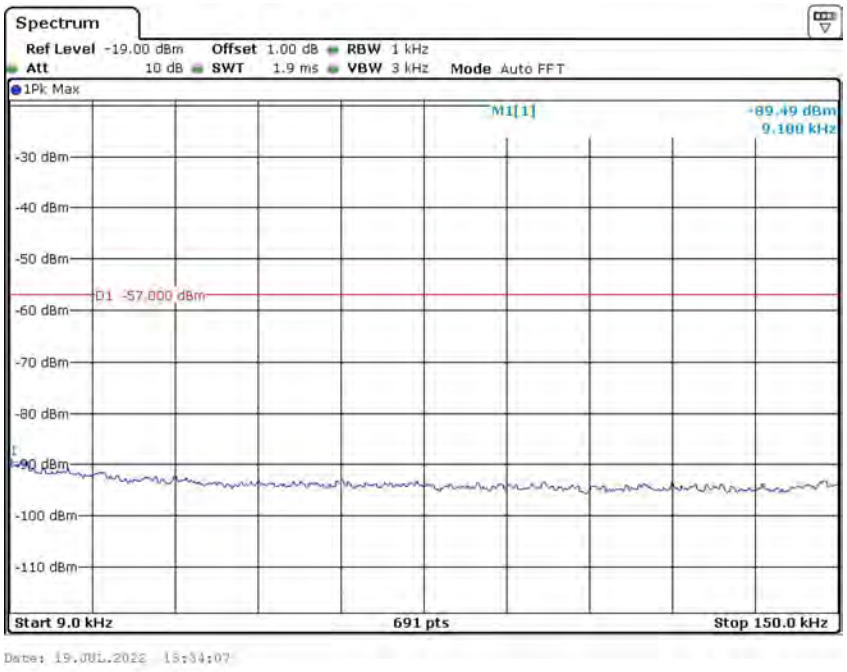
Date: 19.JUL.2022 19:50:20

Conducted Measurement (30MHz to 1GHz)

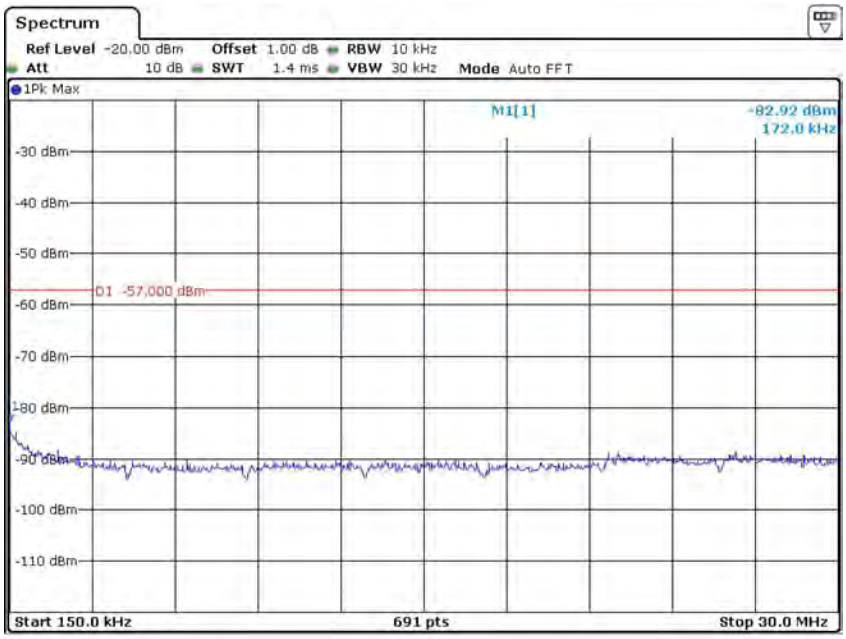


Test mode 10: Receiver at LSB 0.55MHz

Conducted Measurement (9 kHz to 150 kHz)

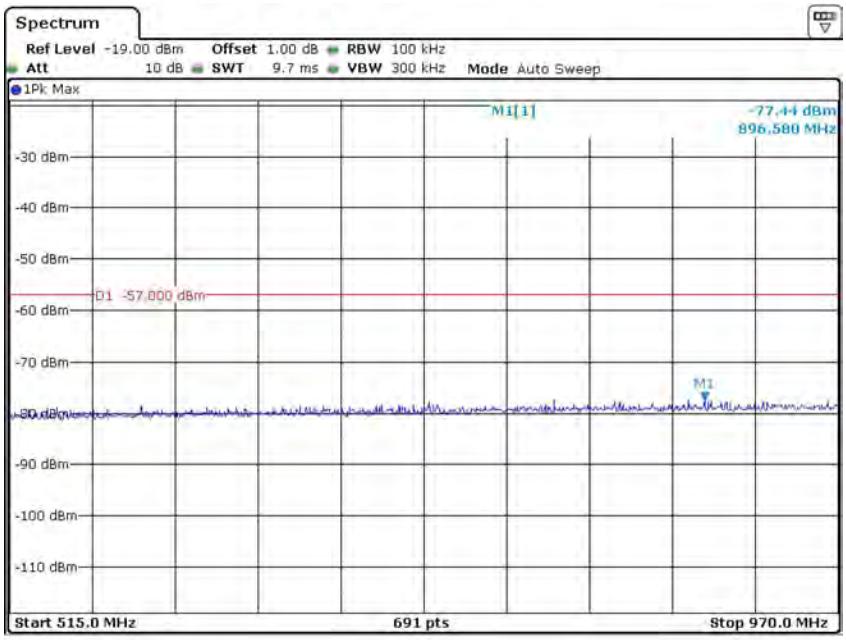


Conducted Measurement (150 kHz to 30MHz)



Date: 19.JUL.2022 15:40:30

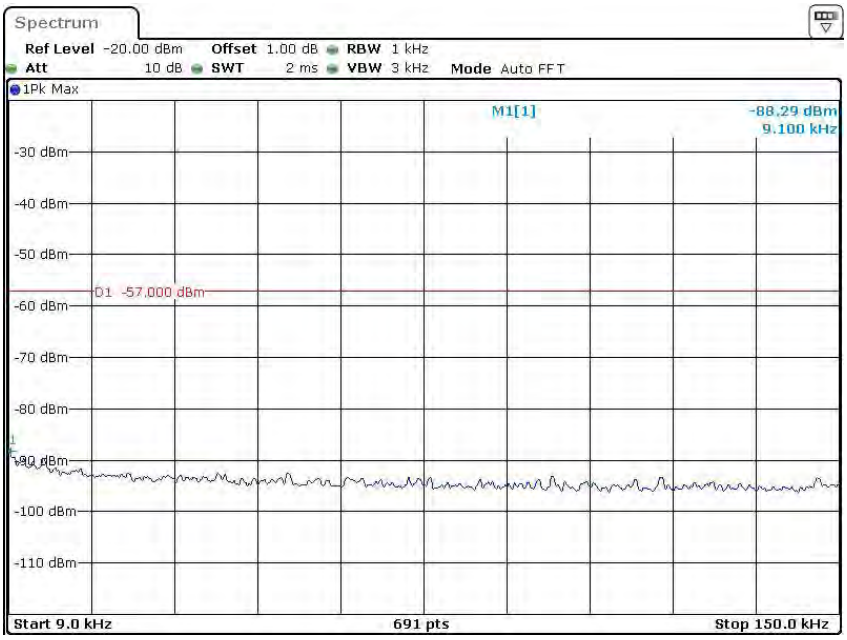
Conducted Measurement (30MHz to 1GHz)



Date: 19.JUL.2022 15:38:25

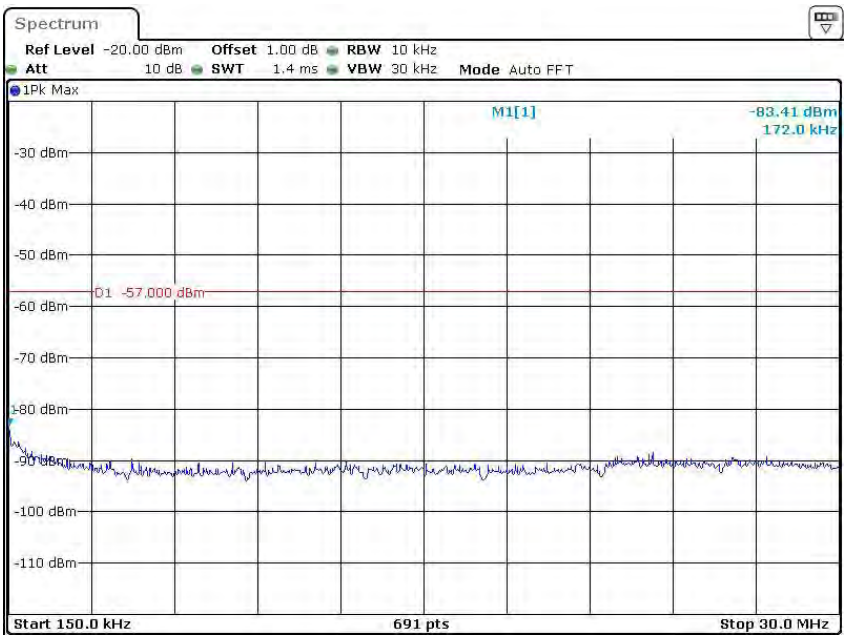
Test mode 11: Receiver at LSB 15.275MHz

Conducted Measurement (9 kHz to 150 kHz)



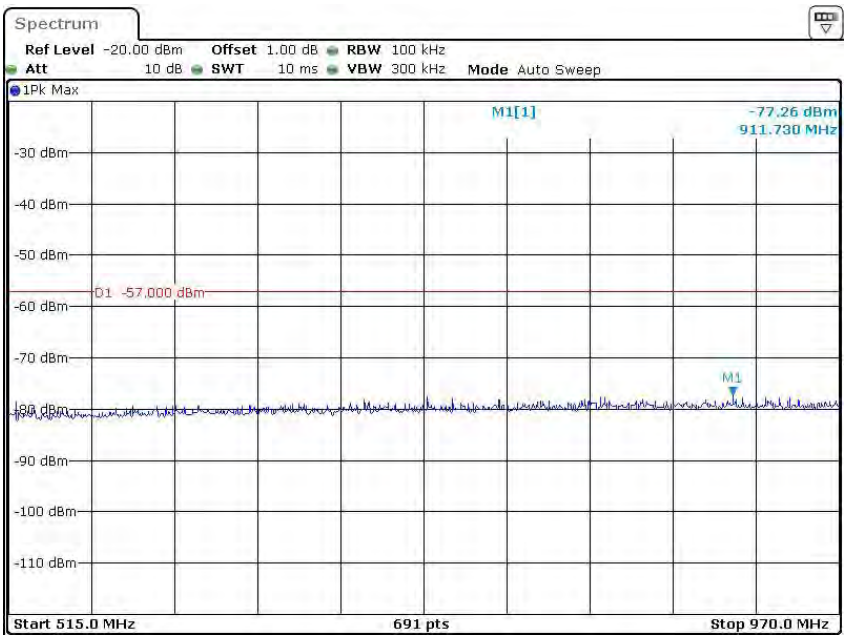
Date: 19.JUL.2022 20:04:17

Conducted Measurement (150 kHz to 30MHz)



Date: 19.JUL.2022 20:05:14

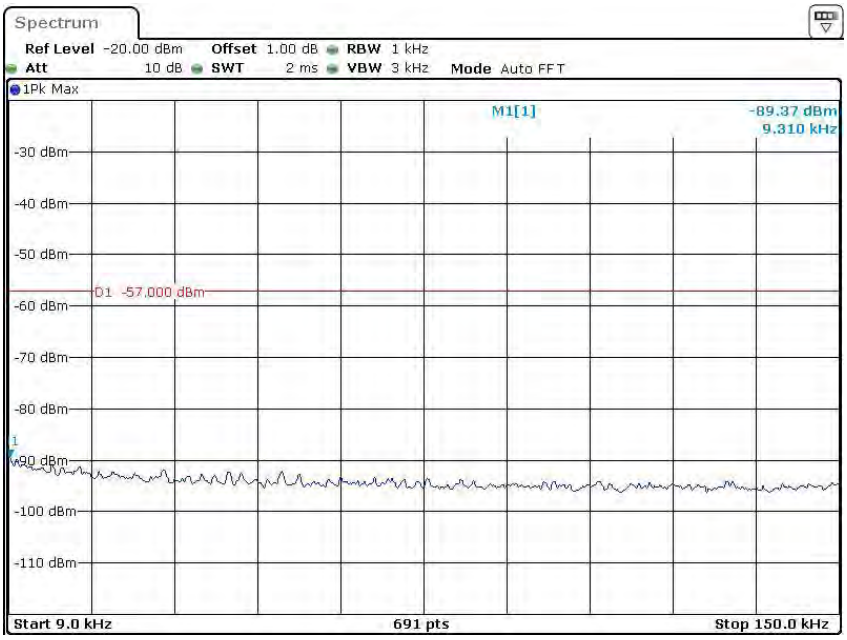
Conducted Measurement (30MHz to 1GHz)



Date: 19.JUL.2022 20:04:45

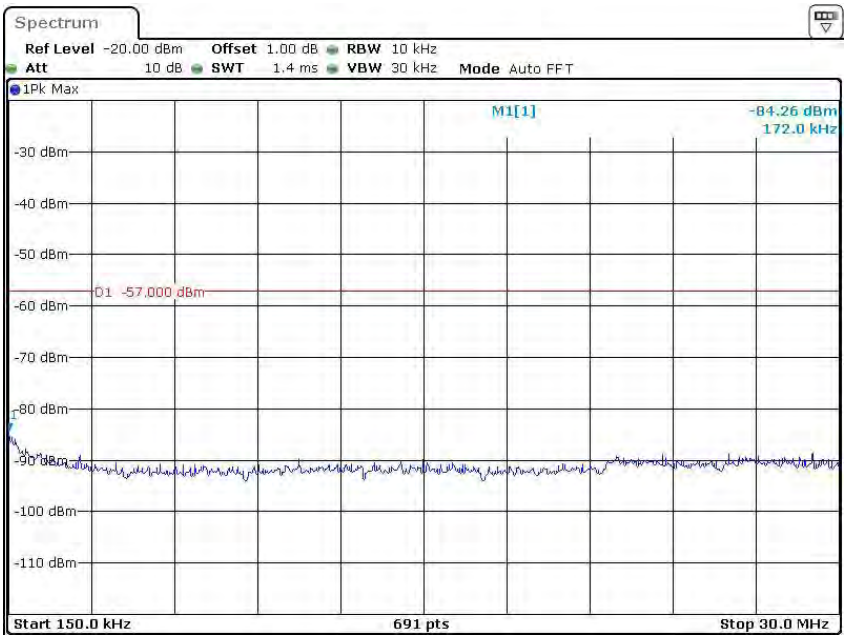
Test mode 12: Receiver at LSB 30MHz

Conducted Measurement (9 kHz to 150 kHz)



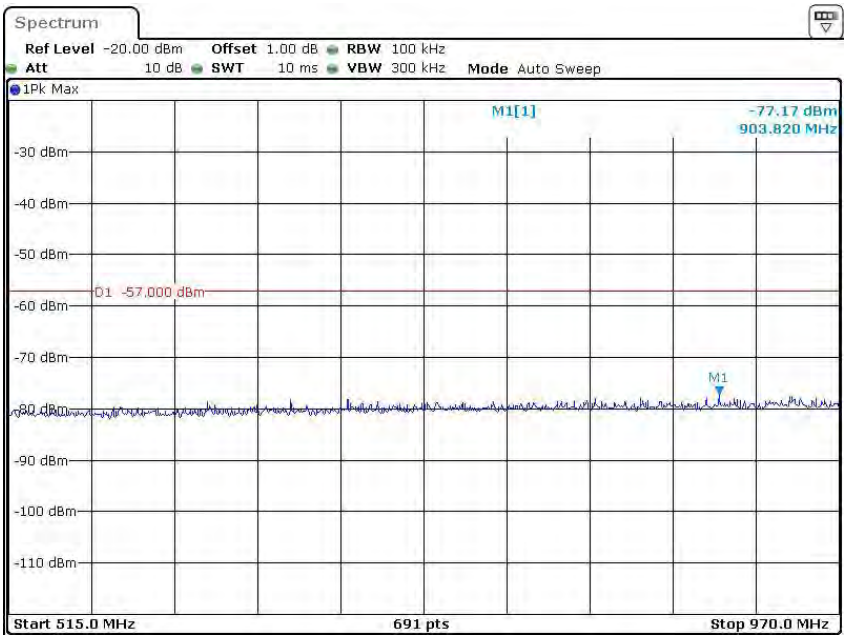
Date: 19.JUL.2022 19:54:01

Conducted Measurement (150 kHz to 30MHz)



Date: 19.JUL.2022 19:54:57

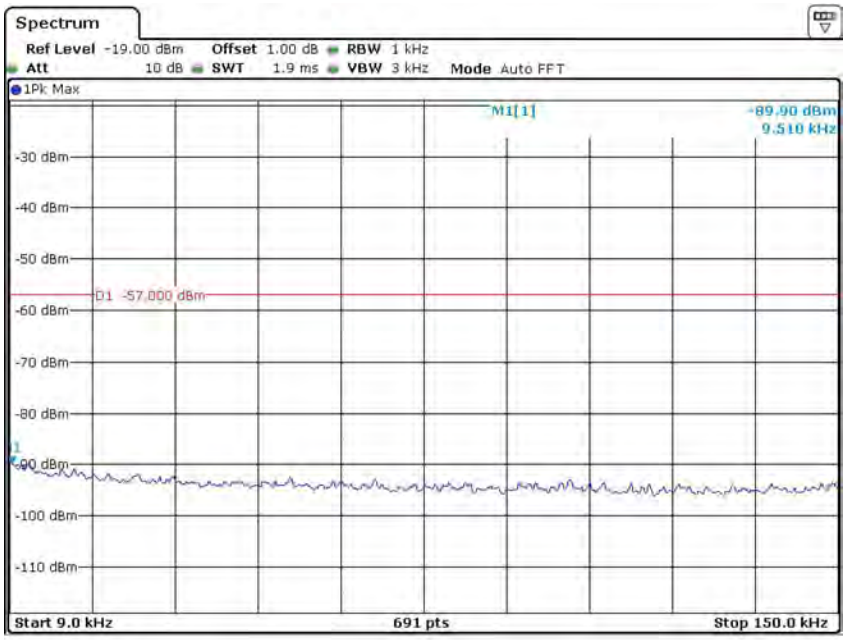
Conducted Measurement (30MHz to 1GHz)



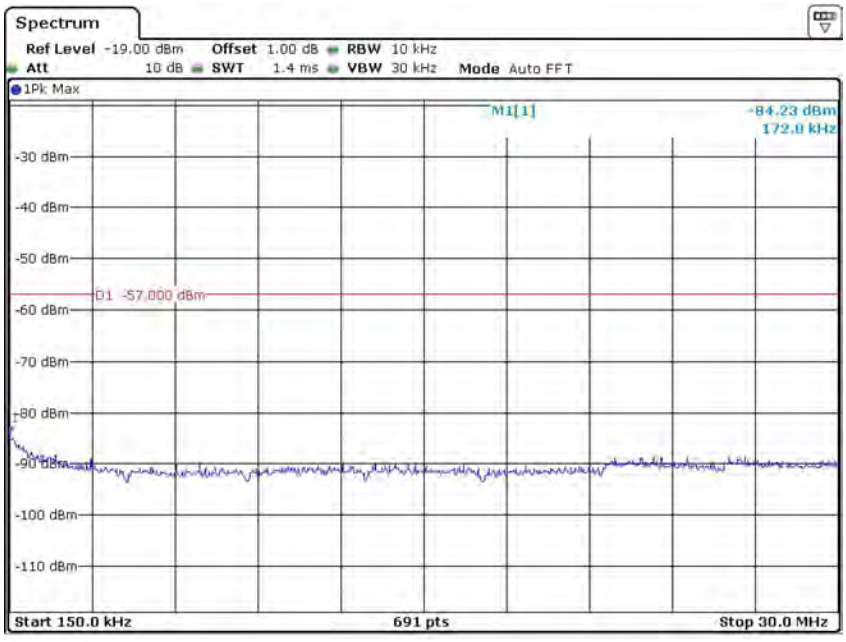
Date: 19.JUL.2022 19:54:29

Test mode 13: Receiver at CW 0.55MHz

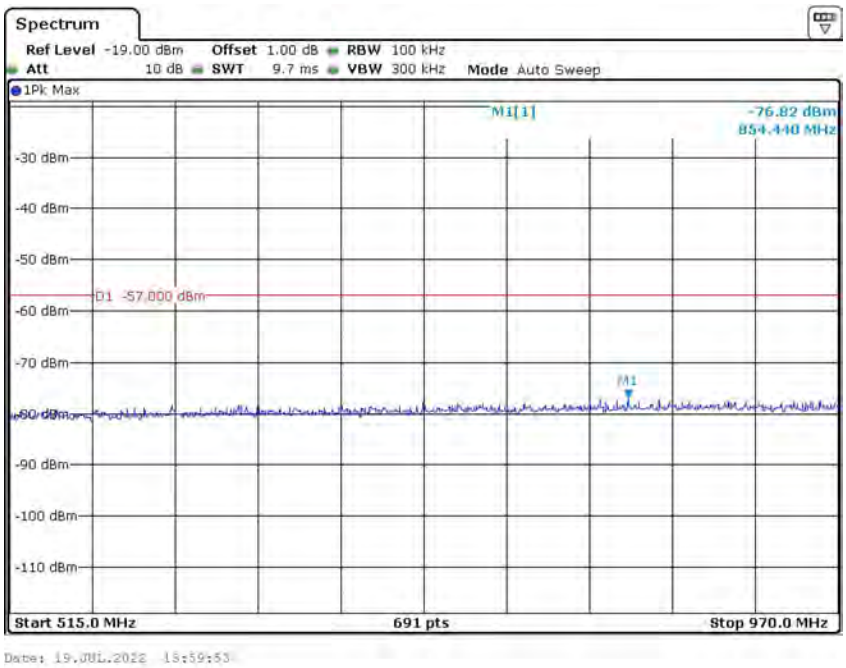
Conducted Measurement (9 kHz to 150 kHz)



Conducted Measurement (150 kHz to 30MHz)

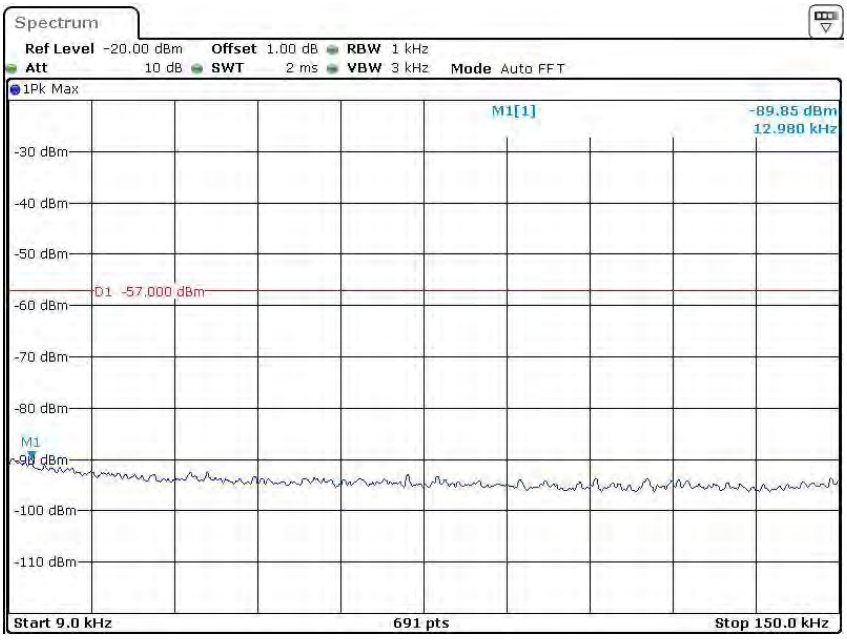


Conducted Measurement (30MHz to 1GHz)

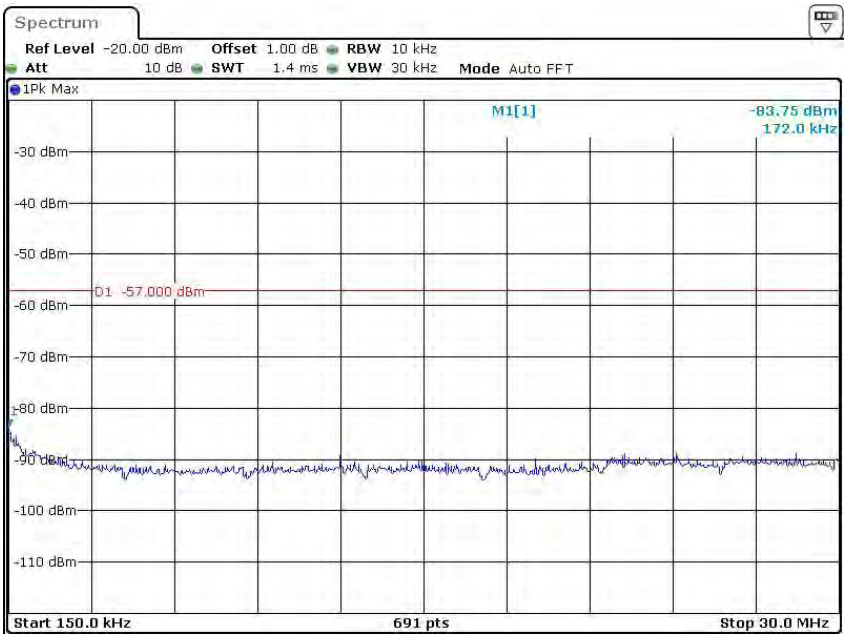


Test mode 14: Receiver at CW 15.275MHz

Conducted Measurement (9 kHz to 150 kHz)

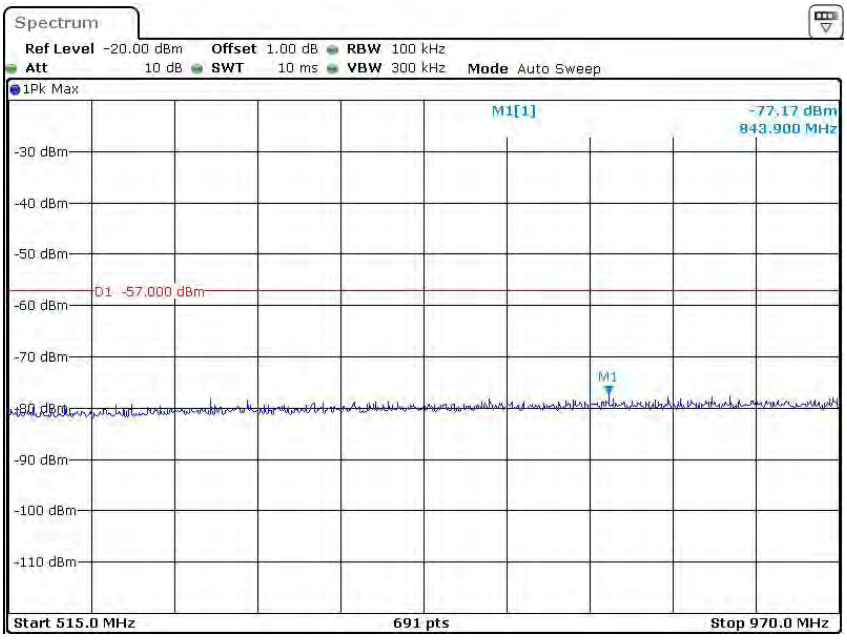


Conducted Measurement (150 kHz to 30MHz)



Date: 19.JUL.2022 20:07:33

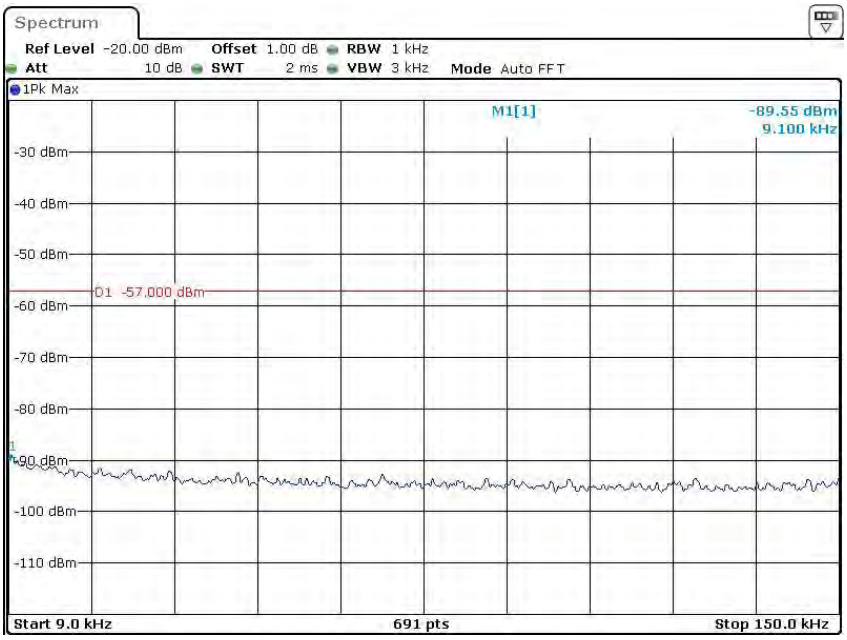
Conducted Measurement (30MHz to 1GHz)



Date: 19.JUL.2022 20:07:05

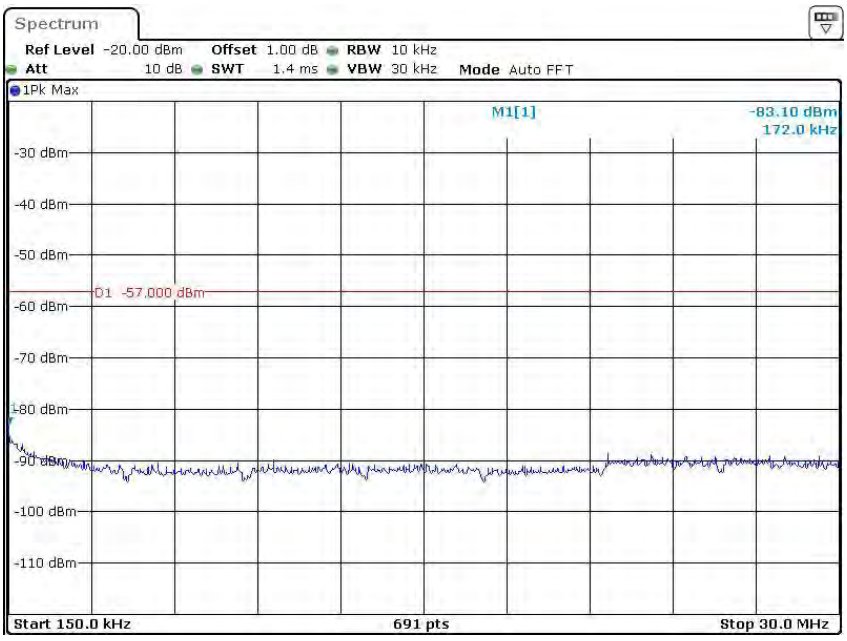
Test mode 15: Receiver at CW 30MHz

Conducted Measurement (9 kHz to 150 kHz)



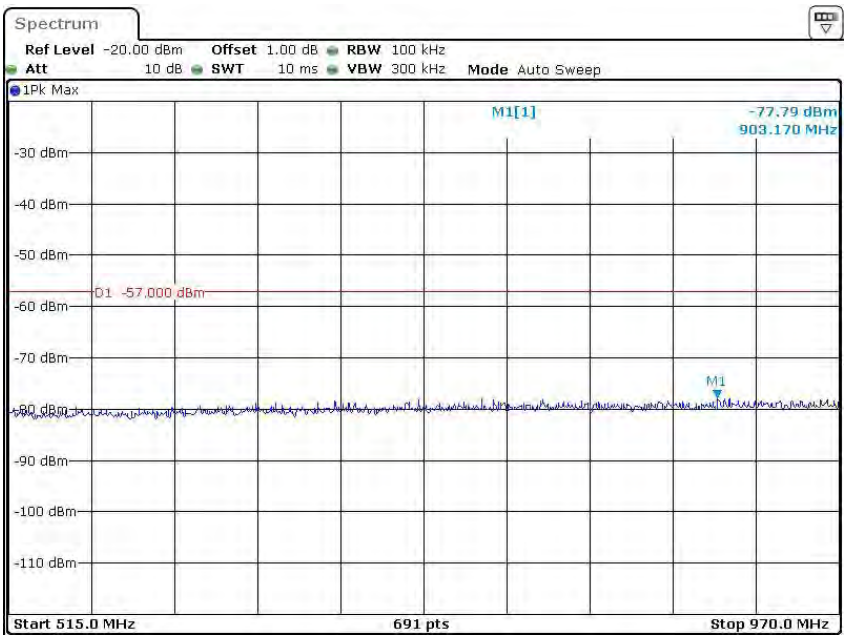
Date: 19.JUL.2022 19:51:40

Conducted Measurement (150 kHz to 30MHz)



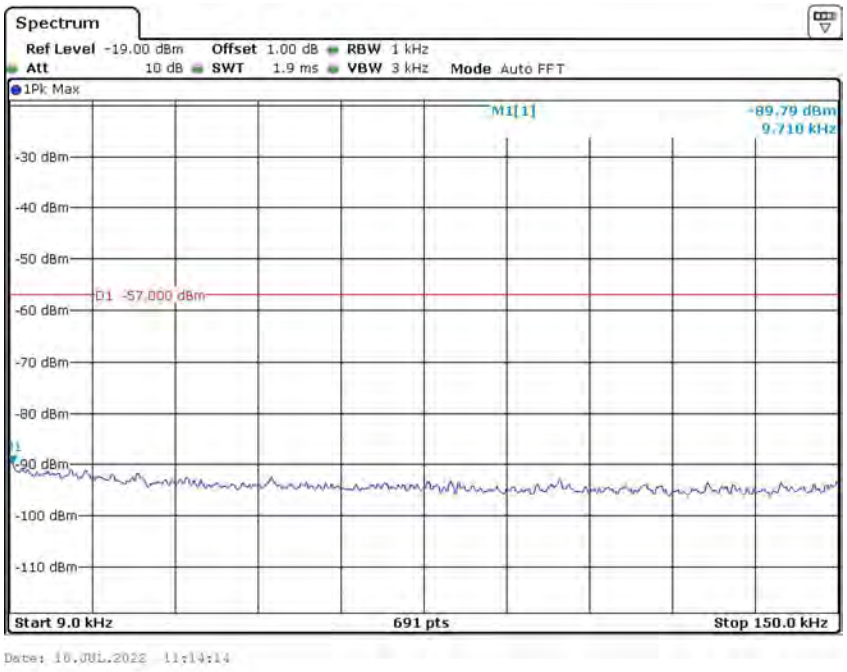
Date: 19.JUL.2022 19:52:41

Conducted Measurement (30MHz to 1GHz)

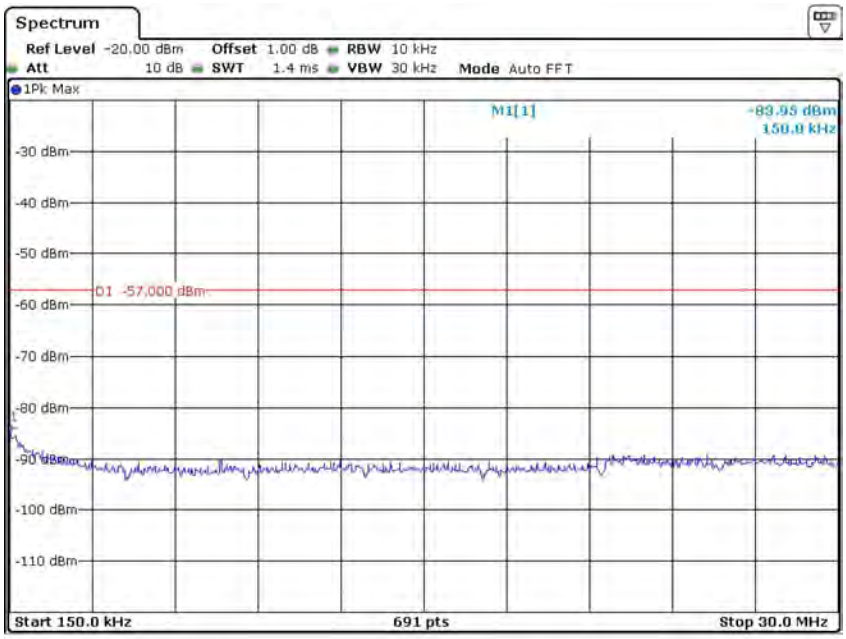


Test mode 16: Scannig (FM)

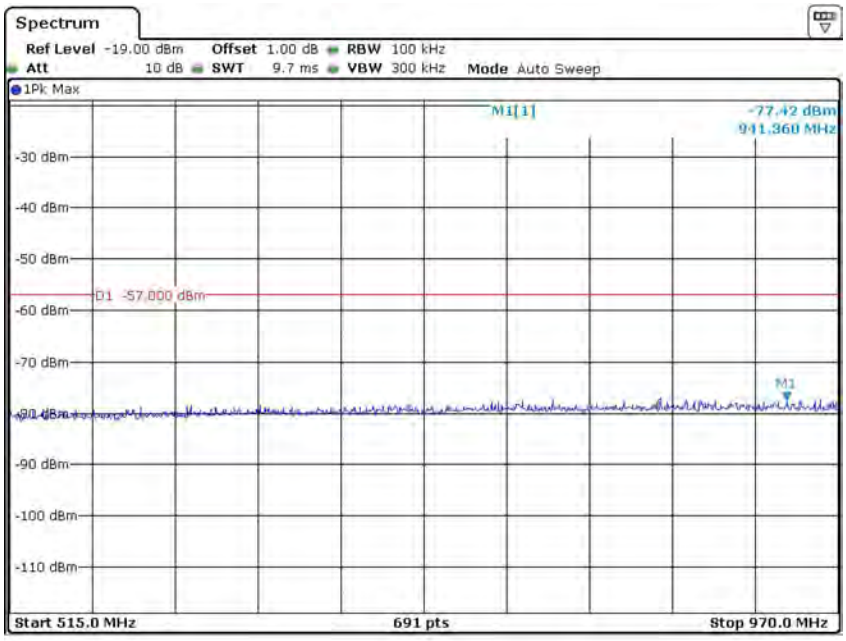
Conducted Measurement (9 kHz to 150 kHz)



Conducted Measurement (150 kHz to 30MHz)



Conducted Measurement (30MHz to 1GHz)



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