

SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230400100907

Page: 1 of 463

TEST REPORT

Application No.: SZCR2304001009AT
Applicant: SZ DJI TECHNOLOGY CO., LTD.
Address of Applicant: Lobby of T2, DJI Sky City, No. 53 Xianyuan Road, Xili Community, Xili Street, Nanshan District, Shenzhen, China.
Manufacturer: SZ DJI TECHNOLOGY CO., LTD.
Address of Manufacturer: Lobby of T2, DJI Sky City, No. 53 Xianyuan Road, Xili Community, Xili Street, Nanshan District, Shenzhen, China.
Equipment Under Test (EUT):
EUT Name: DJI RC 2
Model No.: RC331
Trade Mark: DJI
FCC ID: SS3-RC3312303
Standard(s) : 47 CFR Part 15, Subpart E 15.407
Date of Receipt: 2023-04-10
Date of Test: 2023-04-23 to 2023-05-28
Date of Issue: 2023-06-05

Test Result:	Pass*
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* In the configuration tested, the EUT complied with the standards specified above.


 Keny Xu
 EMC Laboratory Manager



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SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230400100907

Page: 2 of 463

Revision Record				
Version	Chapter	Date	Modifier	Remark
01		2023-06-05		Original

Authorized for issue by:				
		Darren Yuan		
		Darren Yuan/Project Engineer		
		Eric Fu		
		Eric Fu/Reviewer		



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2 Test Summary

Radio Spectrum Technical Requirement				
Item	Standard	Method	Requirement	Result
Antenna Requirement	47 CFR Part 15, Subpart E 15.407	N/A	47 CFR Part 15, Subpart C 15.203	Pass
Transmission in the Absence of Data		N/A	47 CFR Part 15, Subpart E 15.407 (c)	Pass

Radio Spectrum Matter Part				
Item	Standard	Method	Requirement	Result
Conducted Emissions at AC Power Line (150kHz-30MHz)	47 CFR Part 15, Subpart E 15.407	ANSI C63.10 (2013) Section 6.2	47 CFR Part 15, Subpart C 15.207 & Subpart E 15.407 b(9)	Pass
Duty Cycle		KDB 789033 II B 1	KDB 789033 D02 II B 1	Pass
99% Bandwidth		KDB 789033 II D	N/A	Pass
26dB Emission bandwidth		KDB 789033 D02 II C 1	47 CFR Part 15, Subpart E 15.407 (a)	Pass
Minimum 6 dB bandwidth (5.725-5.85 GHz band)		KDB 789033 D02 II C 2	47 CFR Part 15, Subpart E 15.407 (e)	Pass
Maximum Conducted output power		KDB 789033 D02 II E	47 CFR Part 15, Subpart E 15.407 (a)	Pass
Peak Power spectrum density		KDB 789033 D02 II F	47 CFR Part 15, Subpart E 15.407 (a)	Pass
Radiated Emissions (Below 1GHz)		KDB 789033 D02 II G	47 CFR Part 15, Subpart C 15.209 & Subpart E 15.407(b)	Pass
Radiated Emissions which fall in the restricted bands		KDB 789033 D02 II G	47 CFR Part 15, Subpart C 15.209 & Subpart E 15.407(b)	Pass
Radiated Emissions (Above 1GHz)		KDB 789033 D02 II G	47 CFR Part 15, Subpart C 15.209 & Subpart E 15.407(b)	Pass
Frequency Stability		ANSI C63.10 (2013) Section 6.8	47 CFR Part 15, Subpart E 15.407 (g)	Pass

Remark: KDB 789033 D02 is not accredited by A2LA



3 Contents

	Page
1 Cover Page	1
2 Test Summary.....	3
3 Contents	4
4 General Information.....	6
4.1 Details of E.U.T.	6
4.2 Description of Support Units.....	8
4.3 Measurement Uncertainty	8
4.4 Test Location	9
4.5 Test Facility.....	9
4.6 Deviation from Standards.....	9
4.7 Abnormalities from Standard Conditions.....	9
5 Equipment List	10
6 Radio Spectrum Technical Requirement.....	15
6.1 Antenna Requirement	15
6.1.1 Test Requirement:	15
6.1.2 Conclusion	15
6.2 Transmission in the Absence of Data	16
6.2.1 Test Requirement:	16
6.2.2 Conclusion	16
7 Radio Spectrum Matter Test Results.....	17
7.1 Conducted Emissions at AC Power Line (150kHz-30MHz)	17
7.1.1 E.U.T. Operation	17
7.1.2 Test Mode Description	17
7.1.3 Test Setup Diagram	18
7.1.4 Measurement Procedure and Data.....	18
7.2 Duty Cycle	21
7.2.1 E.U.T. Operation	21
7.2.2 Test Mode Description	21
7.2.3 Test Setup Diagram	22
7.2.4 Measurement Procedure and Data.....	22
7.3 99% Bandwidth	23
7.3.1 E.U.T. Operation	23
7.3.2 Test Mode Description	23
7.3.3 Test Setup Diagram	24
7.3.4 Measurement Procedure and Data.....	24
7.4 26dB Emission bandwidth	25
7.4.1 E.U.T. Operation	25
7.4.2 Test Mode Description	25



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SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230400100907

Page: 5 of 463

7.4.3	Test Setup Diagram	25
7.4.4	Measurement Procedure and Data	25
7.5	Minimum 6 dB bandwidth (5.725-5.85 GHz band)	26
7.5.1	E.U.T. Operation	26
7.5.2	Test Mode Description	26
7.5.3	Test Setup Diagram	27
7.5.4	Measurement Procedure and Data	27
7.6	Maximum Conducted output power	28
7.6.1	E.U.T. Operation	28
7.6.2	Test Mode Description	28
7.6.3	Test Setup Diagram	29
7.6.4	Measurement Procedure and Data	29
7.7	Peak Power spectrum density	30
7.7.1	E.U.T. Operation	30
7.7.2	Test Mode Description	30
7.7.3	Test Setup Diagram	31
7.7.4	Measurement Procedure and Data	31
7.8	Radiated Emissions (Below 1GHz)	32
7.8.1	E.U.T. Operation	32
7.8.2	Test Mode Description	32
7.8.3	Test Setup Diagram	33
7.8.4	Measurement Procedure and Data	34
7.9	Radiated Emissions which fall in the restricted bands	38
7.9.1	E.U.T. Operation	38
7.9.2	Test Mode Description	39
7.9.3	Test Setup Diagram	40
7.9.4	Measurement Procedure and Data	40
7.10	Radiated Emissions (Above 1GHz)	133
7.10.1	E.U.T. Operation	134
7.10.2	Test Mode Description	134
7.10.3	Test Setup Diagram	135
7.10.4	Measurement Procedure and Data	136
7.11	Frequency Stability	155
7.11.1	E.U.T. Operation	155
7.11.2	Test Mode Description	155
7.11.3	Test Setup Diagram	156
7.11.4	Measurement Procedure and Data	156
8	Test Setup Photo	157
9	EUT Constructional Details (EUT Photos)	157
10	Appendix	158



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4 General Information

4.1 Details of E.U.T.

Power Supply:	Powered by Lithium-ion Rechargeable Cell Battery information Model: INR18650-32HE Nominal Voltage: 3.6V DC Capacity: 3100mAh*2
Cable:	USB Type-C to Type-C cable: 50cm unshielded USB Type-A to Type-C cable: 50cm unshielded
Operation Frequency:	5.1G SDR 10MHz: 5157MHz-5245MHz 20MHz: 5161MHz-5240MHz 40MHz: 5170MHz-5230MHz 5.8G SDR 1.4MHz mode A: 5728.5MHz-5844.5MHz 1.4MHz mode B: 5730.12MHz-5846.12MHz 1.4MHz mode C: 5729.69MHz-5840.69MHz 1.4MHz mode D: 5731.31MHz-5842.31MHz 3MHz mode A: 5727.5MHz-5844.5MHz 3MHz mode B: 5730.2MHz-5847.2MHz 3MHz mode C: 5730.88MHz-5840.88MHz 3MHz mode D: 5734.12MHz-5844.12MHz 5MHz mode A: 5732.5MHz-5842.5MHz 5MHz mode B: 5733.26MHz-5835.26MHz 5MHz mode C: 5739.74MHz-5841.74MHz 10MHz mode A: 5730.5MHz-5844.5MHz 10MHz mode B: 5731.75MHz-5829.75MHz 10MHz mode C: 5745.25MHz-5843.25MHz 20MHz: 5735.5MHz-5839.5MHz 40MHz: 5745.5MHz-5829.5MHz 60MHz: 5755.5MHz-5819.5MHz 80MHz: 5765.5MHz-5809.5MHz
Modulation Type:	OFDM
Channel Spacing:	5.1G SDR 10MHz: 1MHz 20MHz: 1MHz 40MHz: 1MHz

	5.8G SDR 1.4MHz mode A: 2MHz 1.4MHz mode B: 2MHz 1.4MHz mode C: 3MHz 1.4MHz mode D: 3MHz 3MHz mode A: 3MHz 3MHz mode B: 3MHz 3MHz mode C: 5MHz 3MHz mode D: 5MHz 5MHz mode A: 5MHz 5MHz mode B: 1MHz 5MHz mode C: 1MHz 10MHz mode A: 1MHz 10MHz mode B: 1MHz 10MHz mode C: 1MHz 20MHz: 1MHz 40MHz: 1MHz 60MHz: 1MHz 80MHz: 1MHz
Number of Channels:	5.1G SDR 10MHz: 89 20MHz: 80 40MHz: 61 5.8G SDR 1.4MHz mode A: 59 1.4MHz mode B: 59 1.4MHz mode C: 38 1.4MHz mode D: 38 3MHz mode A: 40 3MHz mode B: 40 3MHz mode C: 23 3MHz mode D: 23 5MHz mode A: 23 5MHz mode B: 103 5MHz mode C: 103 10MHz mode A: 115 10MHz mode B: 99 10MHz mode C: 99 20MHz: 105 40MHz: 85



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SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230400100907

Page: 8 of 463

	60MHz: 65 80MHz: 45
Antenna Type:	PCB Antenna
Antenna Gain:	5.1G SDR: ANT0: 1.5dBi, ANT1&ANT2: 3dBi, ANT3: 2dBi 5.8G SDR: ANT0&ANT3: 2dBi, ANT1&ANT2: 3dBi

Remark: The information in this section is provided by the applicant or manufacturer, SGS is not liable to the accuracy, suitability, reliability or/and integrity of the information.

4.2 Description of Support Units

Description	Manufacturer	Model No.	Serial No.
Power Adapter	DJI	PD-65US	N/A

4.3 Measurement Uncertainty

Test Item	Measurement Uncertainty
Conducted Emissions at AC Power Line (150kHz-30MHz)	$\pm 3.0\text{dB}$ (150kHz to 30MHz)
Duty Cycle	$\pm 0.37\%$
99% Bandwidth	$\pm 3\%$
26dB Emission bandwidth	$\pm 3\%$
Minimum 6 dB bandwidth (5.725-5.85 GHz band)	$\pm 3\%$
Maximum Conducted output power	$\pm 0.75\text{dB}$
Peak Power spectrum density	$\pm 2.84\text{dB}$
Radiated Emissions (Below 1GHz)	$\pm 4.5\text{dB}$
Radiated Emissions which fall in the restricted bands	$\pm 4.5\text{dB}$ (below 1GHz); $\pm 4.8\text{dB}$ (above 1GHz);
Radiated Emissions (Above 1GHz)	$\pm 4.8\text{dB}$
Frequency Stability	$\pm 7.25 \times 10^{-8}$

Remark:

The U_{lab} (lab Uncertainty) is less than $U_{\text{CISPR/ETSI}}$ (CISPR/ETSI Uncertainty), so the test results

- compliance is deemed to occur if no measured disturbance level exceeds the disturbance limit;
- non-compliance is deemed to occur if any measured disturbance level exceeds the disturbance limit.



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Page: 9 of 463

4.4 Test Location

All tests were performed at:

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No tests were sub-contracted.

4.5 Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

• A2LA (Certificate No. 3816.01)

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen EMC Laboratory is accredited by the American Association for Laboratory Accreditation(A2LA). Certificate No. 3816.01.

• VCCI (Member No. 1937)

The 3m Fully-anechoic chamber for above 1GHz, 10m Semi-anechoic chamber for below 1GHz, Shielded Room for Mains Port Conducted Interference Measurement and Telecommunication Port Conducted Interference Measurement of SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen EMC laboratory have been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: G-20026, R-14188, C-12383 and T-11153 respectively.

• FCC –Designation Number: CN1336

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen EMC Laboratory has been recognized as an accredited testing laboratory.

Designation Number: CN1336. Test Firm Registration Number: 787754.

• Innovation, Science and Economic Development Canada

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen EMC Laboratory has been recognized by ISED as an accredited testing laboratory.

CAB identifier: CN0006.

IC#: 4620C.

4.6 Deviation from Standards

None

4.7 Abnormalities from Standard Conditions

None



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5 Equipment List

Conducted Emissions at AC Power Line (150kHz-30MHz)					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
Shielding Room	ZhongYu Electron	GB-88	SEM001-06	2022-05-14	2025-05-13
EMI Test Receiver	Rohde&Schwarz	ESCI	SEM004-02	2023-03-20	2024-03-19
Matching Pad	N/A	N/A	SEM021-23	2023-03-22	2024-03-21
Matching Pad	N/A	N/A	SEM021-24	2023-03-22	2024-03-21
Measurement Software	AUDIX	e3 V8.2014-6-27a	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM024-01	2022-07-08	2023-07-07
LISN	Rohde&Schwarz	ENV216	SEM007-01	2022-09-20	2023-09-19
LISN	ETS-LINDGREN	3816/2	SEM007-02	2023-03-20	2024-03-19

Duty Cycle					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
DC Power Supply	Chroma	62012P-80-60	SEM011-11	2022-10-20	2023-10-19
MXA Signal Analyzer	KEYSIGHT	N9020A	SEM004-19	2023-03-21	2024-03-20
Signal Generator	KEYSIGHT	N5173B	SEM006-05	2022-09-29	2023-09-28
Measurement Software	TST PASS	TST PASS V2.0	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM031-01	2022-07-08	2023-07-07
Attenuator	Huber+Suhner	6620_SMA-50-1	SEM021-09	2023-03-31	2024-03-30
Programmable Temperature & Humidity Chamber	Votsch Industrietechnik GmbH	VT 4002	SEM002-15	2023-03-21	2024-03-20



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SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230400100907

Page: 11 of 463

99% Bandwidth					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
DC Power Supply	Chroma	62012P-80-60	SEM011-11	2022-10-20	2023-10-19
MXA Signal Analyzer	KEYSIGHT	N9020A	SEM004-19	2023-03-21	2024-03-20
Signal Generator	KEYSIGHT	N5173B	SEM006-05	2022-09-29	2023-09-28
Measurement Software	TST PASS	TST PASS V2.0	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM031-01	2022-07-08	2023-07-07
Attenuator	Huber+Suhner	6620_SMA-50-1	SEM021-09	2023-03-31	2024-03-30
Programmable Temperature & Humidity Chamber	Votsch Industrietechnik GmbH	VT 4002	SEM002-15	2023-03-21	2024-03-20

26dB Emission bandwidth					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
DC Power Supply	Chroma	62012P-80-60	SEM011-11	2022-10-20	2023-10-19
MXA Signal Analyzer	KEYSIGHT	N9020A	SEM004-19	2023-03-21	2024-03-20
Signal Generator	KEYSIGHT	N5173B	SEM006-05	2022-09-29	2023-09-28
Measurement Software	TST PASS	TST PASS V2.0	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM031-01	2022-07-08	2023-07-07
Attenuator	Huber+Suhner	6620_SMA-50-1	SEM021-09	2023-03-31	2024-03-30
Programmable Temperature & Humidity Chamber	Votsch Industrietechnik GmbH	VT 4002	SEM002-15	2023-03-21	2024-03-20



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SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230400100907

Page: 12 of 463

Minimum 6 dB bandwidth (5.725-5.85 GHz band)					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
DC Power Supply	Chroma	62012P-80-60	SEM011-11	2022-10-20	2023-10-19
MXA Signal Analyzer	KEYSIGHT	N9020A	SEM004-19	2023-03-21	2024-03-20
Signal Generator	KEYSIGHT	N5173B	SEM006-05	2022-09-29	2023-09-28
Measurement Software	TST PASS	TST PASS V2.0	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM031-01	2022-07-08	2023-07-07
Attenuator	Huber+Suhner	6620_SMA-50-1	SEM021-09	2023-03-31	2024-03-30
Programmable Temperature & Humidity Chamber	Votsch Industrietechnik GmbH	VT 4002	SEM002-15	2023-03-21	2024-03-20

Maximum Conducted output power					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
Power Sensor	TST PASS	TSPS2023R	SEM009-26	2023-04-01	2024-03-31
Power Sensor	KEYSIGHT	U2021XA	SEM009-16	2023-03-21	2024-03-20
DC Power Supply	Chroma	62012P-80-60	SEM011-11	2022-10-20	2023-10-19
MXA Signal Analyzer	KEYSIGHT	N9020A	SEM004-19	2023-03-21	2024-03-20
Signal Generator	KEYSIGHT	N5173B	SEM006-05	2022-09-29	2023-09-28
Measurement Software	TST PASS	TST PASS V2.0	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM031-01	2022-07-08	2023-07-07
Attenuator	Huber+Suhner	6620_SMA-50-1	SEM021-09	2023-03-31	2024-03-30
Programmable Temperature & Humidity Chamber	Votsch Industrietechnik GmbH	VT 4002	SEM002-15	2023-03-21	2024-03-20



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Report No.: SZCR230400100907

Page: 13 of 463

Peak Power spectrum density					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
DC Power Supply	Chroma	62012P-80-60	SEM011-11	2022-10-20	2023-10-19
MXA Signal Analyzer	KEYSIGHT	N9020A	SEM004-19	2023-03-21	2024-03-20
Signal Generator	KEYSIGHT	N5173B	SEM006-05	2022-09-29	2023-09-28
Measurement Software	TST PASS	TST PASS V2.0	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM031-01	2022-07-08	2023-07-07
Attenuator	Huber+Suhner	6620_SMA-50-1	SEM021-09	2023-03-31	2024-03-30
Programmable Temperature & Humidity Chamber	Votsch Industrietechnik GmbH	VT 4002	SEM002-15	2023-03-21	2024-03-20

Radiated Emissions (Below 1GHz)					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
10m Semi-Anechoic Chamber	SAEMC	FSAC1018	SEM001-03	2021-03-27	2024-03-26
MXE EMI receiver	KEYSIGHT	N9038A	SEM004-16	2022-10-20	2023-10-19
Trilog-Broadband Antenna	Schwarzbeck	VULB9168	SEM003-18	2021-10-28	2023-10-27
Pre-amplifier	Sonoma Instrument Co	310N	SEM005-04	2023-03-31	2024-03-30
Loop Antenna	ETS-Lindgren	6502	SEM003-08	2021-11-30	2023-11-29
Measurement Software	AUDIX	e3 V8.2014-6-27	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM029-01	2022-07-08	2023-07-07

Radiated Emissions which fall in the restricted bands					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
3m Semi-Anechoic Chamber	AUDIX	N/A	SEM001-02	2022-04-02	2025-04-01
Signal Analyzer	Rohde & Schwarz	FSV40	SEM008-04	2023-03-20	2024-03-19
Horn Antenna	Rohde&Schwarz	HF907	SEM003-07	2022-07-24	2024-07-23
Microwave system amplifier	Agilent	83017A	SEM005-25	2022-09-21	2023-09-20
Measurement Software	AUDIX	e3 V8.2014-6-27	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM026-01	2022-07-08	2023-07-07



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SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230400100907

Page: 14 of 463

Radiated Emissions (Above 1GHz)					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
3m Semi-Anechoic Chamber	AUDIX	N/A	SEM001-02	2022-04-02	2025-04-01
Signal Analyzer	Rohde & Schwarz	FSV40	SEM008-04	2023-03-20	2024-03-19
Horn Antenna	Rohde&Schwarz	HF907	SEM003-07	2022-07-24	2024-07-23
Microwave system amplifier	Agilent	83017A	SEM005-25	2022-09-21	2023-09-20
Measurement Software	AUDIX	e3 V8.2014-6-27	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM026-01	2022-07-08	2023-07-07

Frequency Stability					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
DC Power Supply	Chroma	62012P-80-60	SEM011-11	2022-10-20	2023-10-19
MXA Signal Analyzer	KEYSIGHT	N9020A	SEM004-19	2023-03-21	2024-03-20
Signal Generator	KEYSIGHT	N5173B	SEM006-05	2022-09-29	2023-09-28
Measurement Software	TST PASS	TST PASS V2.0	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM031-01	2022-07-08	2023-07-07
Attenuator	Huber+Suhner	6620_SMA-50-1	SEM021-09	2023-03-31	2024-03-30
Programmable Temperature & Humidity Chamber	Votsch Industrietechnik GmbH	VT 4002	SEM002-15	2023-03-21	2024-03-20

General used equipment					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
Humidity/ Temperature Indicator	Mingle	N/A	SEM002-08	2022-09-04	2023-09-03
Humidity/ Temperature Indicator	Anymetre	TH101B	SEM002-09	2022-09-04	2023-09-03
Barometer	Changchun Meteorological Industry Factory	DYM3	SEM002-01	2023-03-23	2024-03-22



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6 Radio Spectrum Technical Requirement

6.1 Antenna Requirement

6.1.1 Test Requirement:

47 CFR Part 15, Subpart C 15.203

6.1.2 Conclusion

Standard Requirement:

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit permanently attached antenna or of an so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

EUT Antenna:

The antenna is integrated on the main PCB and no consideration of replacement. The best case gain of the Antenna are follows:

5.1G SDR: ANT0: 1.5dBi, ANT1&ANT2: 3dBi, ANT3: 2dBi; the directional gain is:6.01dBi.

5.8G SDR: ANT0&ANT3: 2dBi, ANT1&ANT2: 3dBi; the directional gain is:6.01dBi.

Antenna location: Refer to internal photo.

6.2 Transmission in the Absence of Data

6.2.1 Test Requirement:

47 CFR Part 15, Subpart E 15.407 (c)

6.2.2 Conclusion

Standard Requirement:

The device shall automatically discontinue transmission in case of either absence of information to transmit or operational failure. These provisions are not intended to preclude the transmission of control or signalling information or the use of repetitive codes used by certain digital technologies to complete frame or burst intervals.

Applicants shall include in their application for equipment authorization a description of how this requirement is met.

EUT Details:

SDR chip support automatically discontinue transmission in case of either absence of information to transmit or operational failure, if the chip detect absence of information to transmit or operational failure, it will be automatically shut off.

7 Radio Spectrum Matter Test Results

7.1 Conducted Emissions at AC Power Line (150kHz-30MHz)

Test Requirement 47 CFR Part 15, Subpart C 15.207 & Subpart E 15.407 b(9)

Test Method: ANSI C63.10 (2013) Section 6.2

Limit:

Frequency of emission(MHz)	Conducted limit(dB μ V)	
	Quasi-peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50

*Decreases with the logarithm of the frequency.

7.1.1 E.U.T. Operation

Operating Environment:

Temperature: 23.2 °C

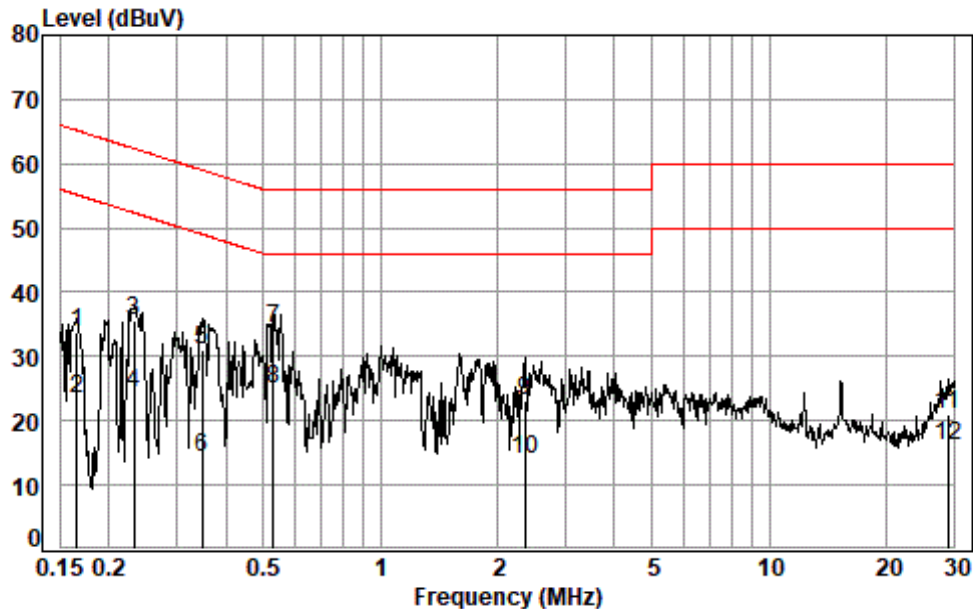
Humidity: 50.5 % RH

Atmospheric Pressure: 1015 mbar

7.1.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Pre-scan	28	TX mode (5.8G SDR_1.4MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter
Pre-scan	30	TX mode (5.8G SDR_3MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter
Pre-scan	32	TX mode (5.8G SDR_5MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter
Pre-scan	34	TX mode (5.8G SDR_10MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter
Pre-scan	36	TX mode (5.8G SDR_20MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter
Pre-scan	38	TX mode (5.8G SDR_40MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter
Pre-scan	40	TX mode (5.8G SDR_60MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter
Final test	42	TX mode (5.8G SDR_80MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter

Test Mode: 42; Line: Live line

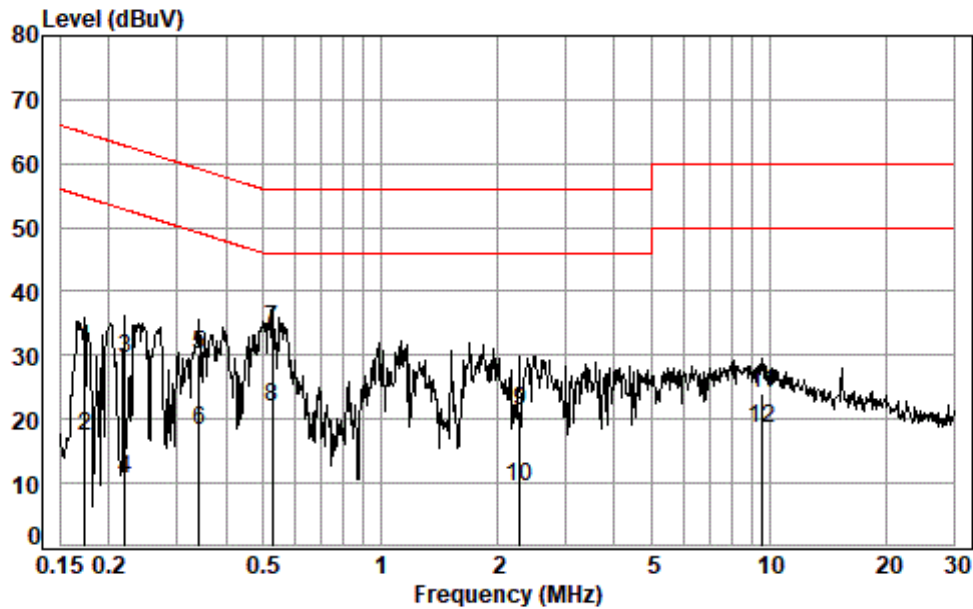


Site : Shielding Room
Condition: Line
Job No. : 01009AT
Test mode: 42

	Freq	Cable Loss	LISN Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB	dBuV	dBuV	dBuV	dB	
1	0.1659	0.03	9.76	24.08	33.87	65.16	-31.29	QP
2	0.1659	0.03	9.76	13.62	23.41	55.16	-31.75	Average
3	0.2329	0.04	9.76	25.73	35.53	62.35	-26.82	QP
4	0.2329	0.04	9.76	14.43	24.23	52.35	-28.12	Average
5	0.3483	0.05	9.76	21.28	31.09	59.00	-27.91	QP
6	0.3483	0.05	9.76	4.54	14.35	49.00	-34.65	Average
7 *	0.5293	0.06	9.76	24.42	34.24	56.00	-21.76	QP
8 *	0.5293	0.06	9.76	15.07	24.89	46.00	-21.11	Average
9	2.3585	0.11	9.83	13.27	23.21	56.00	-32.79	QP
10	2.3585	0.11	9.83	4.09	14.03	46.00	-31.97	Average
11	28.7550	0.38	11.17	9.40	20.95	60.00	-39.05	QP
12	28.7550	0.38	11.17	4.65	16.20	50.00	-33.80	Average



Test Mode: 42; Line: Neutral Line



Site : Shielding Room

Condition: Neutral

Job No. : 01009AT

Test mode: 42

	Freq	Cable Loss	LISN Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB	dBuV	dBuV	dBuV	dB	
1	0.1740	0.03	9.73	21.20	30.96	64.77	-33.81	QP
2	0.1740	0.03	9.73	7.70	17.46	54.77	-37.31	Average
3	0.2197	0.04	9.73	19.69	29.46	62.83	-33.37	QP
4	0.2197	0.04	9.73	1.00	10.77	52.83	-42.06	Average
5	0.3410	0.05	9.74	20.45	30.24	59.18	-28.94	QP
6	0.3410	0.05	9.74	8.48	18.27	49.18	-30.91	Average
7 *	0.5265	0.06	9.74	24.26	34.06	56.00	-21.94	QP
8 *	0.5265	0.06	9.74	12.08	21.88	46.00	-24.12	Average
9	2.2847	0.11	9.80	11.53	21.44	56.00	-34.56	QP
10	2.2847	0.11	9.80	-0.57	9.34	46.00	-36.66	Average
11	9.6028	0.21	10.29	13.43	23.93	60.00	-36.07	QP
12	9.6028	0.21	10.29	8.07	18.57	50.00	-31.43	Average



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SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230400100907

Page: 21 of 463

7.2 Duty Cycle

Test Requirement KDB 789033 D02 II B 1

Test Method: KDB 789033 II B 1

7.2.1 E.U.T. Operation

Operating Environment:

Temperature: 28.0 °C Humidity: 42.0 % RH Atmospheric Pressure: 1007 mbar

7.2.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	27	TX mode (5.8G SDR_1.4MHz)_Keep the EUT in transmitting mode
Final test	29	TX mode (5.8G SDR_3MHz)_Keep the EUT in transmitting mode
Final test	31	TX mode (5.8G SDR_5MHz)_Keep the EUT in transmitting mode
Final test	33	TX mode (5.8G SDR_10MHz)_Keep the EUT in transmitting mode
Final test	35	TX mode (5.8G SDR_20MHz)_Keep the EUT in transmitting mode
Final test	37	TX mode (5.8G SDR_40MHz)_Keep the EUT in transmitting mode
Final test	39	TX mode (5.8G SDR_60MHz)_Keep the EUT in transmitting mode
Final test	41	TX mode (5.8G SDR_80MHz)_Keep the EUT in transmitting mode
Final test	43	TX mode (5.1G SDR_10MHz)_Keep the EUT in transmitting mode
Final test	45	TX mode (5.1G SDR_20MHz)_Keep the EUT in transmitting mode
Final test	47	TX mode (5.1G SDR_40MHz)_Keep the EUT in transmitting mode



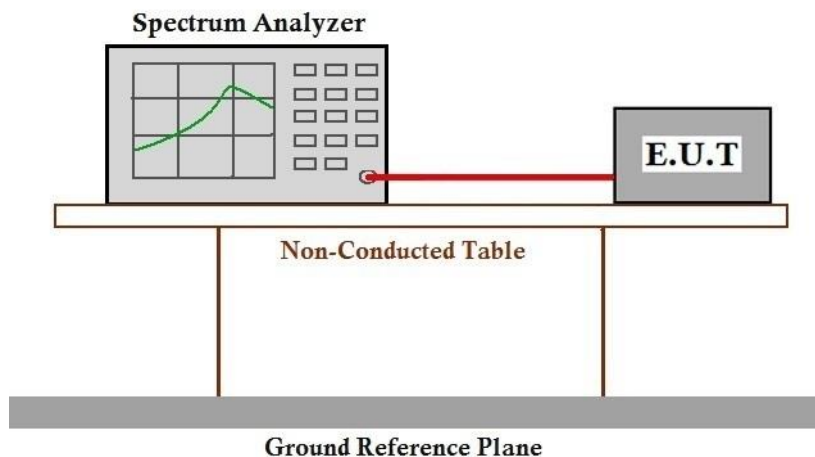
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7.2.3 Test Setup Diagram



7.2.4 Measurement Procedure and Data

Please Refer to Appendix for Details

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SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230400100907

Page: 23 of 463

7.3 99% Bandwidth

Test Requirement N/A
Test Method: KDB 789033 II D

7.3.1 E.U.T. Operation

Operating Environment:
Temperature: 28.0 °C Humidity: 42.0 % RH Atmospheric Pressure: 1007 mbar

7.3.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	27	TX mode (5.8G SDR_1.4MHz)_Keep the EUT in transmitting mode
Final test	29	TX mode (5.8G SDR_3MHz)_Keep the EUT in transmitting mode
Final test	31	TX mode (5.8G SDR_5MHz)_Keep the EUT in transmitting mode
Final test	33	TX mode (5.8G SDR_10MHz)_Keep the EUT in transmitting mode
Final test	35	TX mode (5.8G SDR_20MHz)_Keep the EUT in transmitting mode
Final test	37	TX mode (5.8G SDR_40MHz)_Keep the EUT in transmitting mode
Final test	39	TX mode (5.8G SDR_60MHz)_Keep the EUT in transmitting mode
Final test	41	TX mode (5.8G SDR_80MHz)_Keep the EUT in transmitting mode
Final test	43	TX mode (5.1G SDR_10MHz)_Keep the EUT in transmitting mode
Final test	45	TX mode (5.1G SDR_20MHz)_Keep the EUT in transmitting mode
Final test	47	TX mode (5.1G SDR_40MHz)_Keep the EUT in transmitting mode

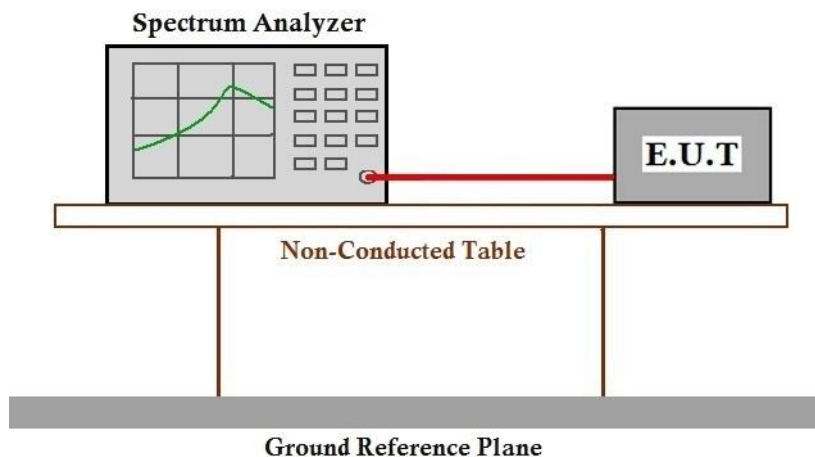


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7.3.3 Test Setup Diagram



7.3.4 Measurement Procedure and Data

Please Refer to Appendix for Details

7.4 26dB Emission bandwidth

Test Requirement 47 CFR Part 15, Subpart E 15.407 (a)

Test Method: KDB 789033 D02 II C 1

7.4.1 E.U.T. Operation

Operating Environment:

Temperature: 28.0 °C

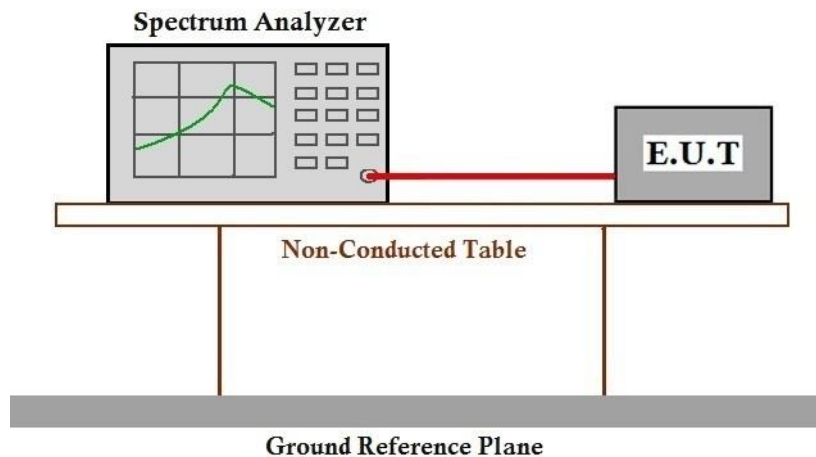
Humidity: 42.0 % RH

Atmospheric Pressure: 1007 mbar

7.4.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	43	TX mode (5.1G SDR_10MHz)_Keep the EUT in transmitting mode
Final test	45	TX mode (5.1G SDR_20MHz)_Keep the EUT in transmitting mode
Final test	47	TX mode (5.1G SDR_40MHz)_Keep the EUT in transmitting mode

7.4.3 Test Setup Diagram



7.4.4 Measurement Procedure and Data

Please Refer to Appendix for Details

7.5 Minimum 6 dB bandwidth (5.725-5.85 GHz band)

Test Requirement 47 CFR Part 15, Subpart E 15.407 (e)

Test Method: KDB 789033 D02 II C 2

Limit:

Frequency band(MHz)	Limit
5725-5850	≥500 kHz

7.5.1 E.U.T. Operation

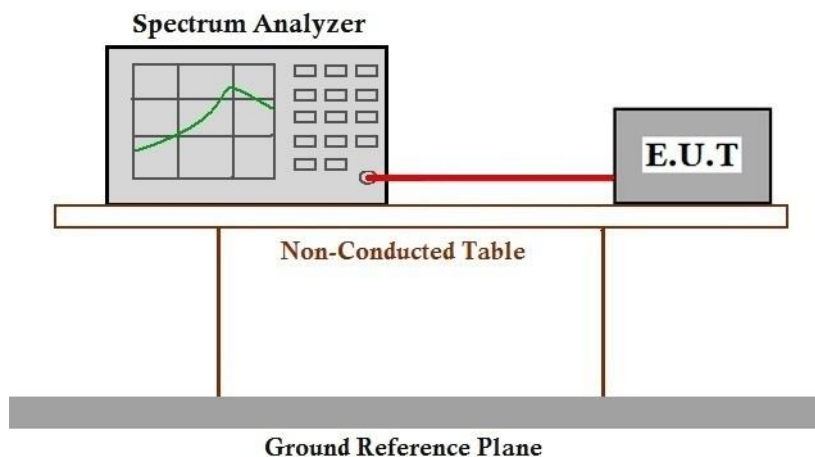
Operating Environment:

Temperature: 28.0 °C Humidity: 42.0 % RH Atmospheric Pressure: 1007 mbar

7.5.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	27	TX mode (5.8G SDR_1.4MHz)_Keep the EUT in transmitting mode
Final test	29	TX mode (5.8G SDR_3MHz)_Keep the EUT in transmitting mode
Final test	31	TX mode (5.8G SDR_5MHz)_Keep the EUT in transmitting mode
Final test	33	TX mode (5.8G SDR_10MHz)_Keep the EUT in transmitting mode
Final test	35	TX mode (5.8G SDR_20MHz)_Keep the EUT in transmitting mode
Final test	37	TX mode (5.8G SDR_40MHz)_Keep the EUT in transmitting mode
Final test	39	TX mode (5.8G SDR_60MHz)_Keep the EUT in transmitting mode
Final test	41	TX mode (5.8G SDR_80MHz)_Keep the EUT in transmitting mode

7.5.3 Test Setup Diagram



7.5.4 Measurement Procedure and Data

Please Refer to Appendix for Details

SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230400100907

Page: 28 of 463

7.6 Maximum Conducted output power

Test Requirement 47 CFR Part 15, Subpart E 15.407 (a)

Test Method: KDB 789033 D02 II E

Limit:

Frequency band(MHz)	Limit
5150-5250	≤1W(30dBm) for master device
	≤250mW(24dBm) for client device
5250-5350	≤250mW(24dBm) for client device or 11dBm+10logB*
5470-5725	≤250mW(24dBm) for client device or 11dBm+10logB*
5725-5850	≤1W(30dBm)
Remark:	* Where B is the 26dB emission bandwidth in MHz. The maximum conducted output power must be measured over any interval of continuous transmission using instrumentation calibrated in terms of an rms-equivalent voltage.

7.6.1 E.U.T. Operation

Operating Environment:

Temperature: 28.0 °C

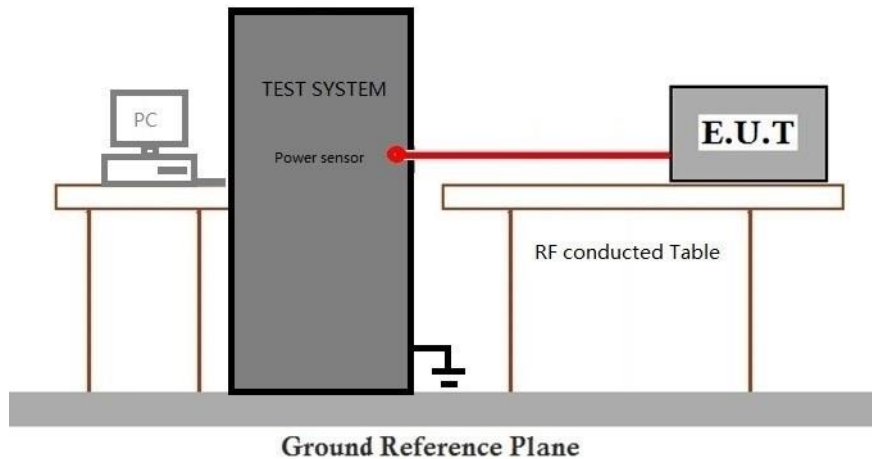
Humidity: 42.0 % RH

Atmospheric Pressure: 1007 mbar

7.6.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	27	TX mode (5.8G SDR_1.4MHz)_Keep the EUT in transmitting mode
Final test	29	TX mode (5.8G SDR_3MHz)_Keep the EUT in transmitting mode
Final test	31	TX mode (5.8G SDR_5MHz)_Keep the EUT in transmitting mode
Final test	33	TX mode (5.8G SDR_10MHz)_Keep the EUT in transmitting mode
Final test	35	TX mode (5.8G SDR_20MHz)_Keep the EUT in transmitting mode
Final test	37	TX mode (5.8G SDR_40MHz)_Keep the EUT in transmitting mode
Final test	39	TX mode (5.8G SDR_60MHz)_Keep the EUT in transmitting mode
Final test	41	TX mode (5.8G SDR_80MHz)_Keep the EUT in transmitting mode
Final test	43	TX mode (5.1G SDR_10MHz)_Keep the EUT in transmitting mode
Final test	45	TX mode (5.1G SDR_20MHz)_Keep the EUT in transmitting mode
Final test	47	TX mode (5.1G SDR_40MHz)_Keep the EUT in transmitting mode

7.6.3 Test Setup Diagram



7.6.4 Measurement Procedure and Data

Note: Since the verify power the same operating range bandwidth and smaller power can be covered by the higher power.

Please Refer to Appendix for Details

7.7 Peak Power spectrum density

Test Requirement 47 CFR Part 15, Subpart E 15.407 (a)

Test Method: KDB 789033 D02 II F

Limit:

Frequency band(MHz)	Limit
5150-5250	≤17dBm in 1MHz for master device
	≤11dBm in 1MHz for client device
5250-5350	≤11dBm in 1MHz for client device
5470-5725	≤11dBm in 1MHz for client device
5725-5850	≤30dBm in 500 kHz
Remark:	The maximum power spectral density is measured as a conducted emission by direct connection of a calibrated test instrument to the equipment under test.

7.7.1 E.U.T. Operation

Operating Environment:

Temperature: 28.0 °C

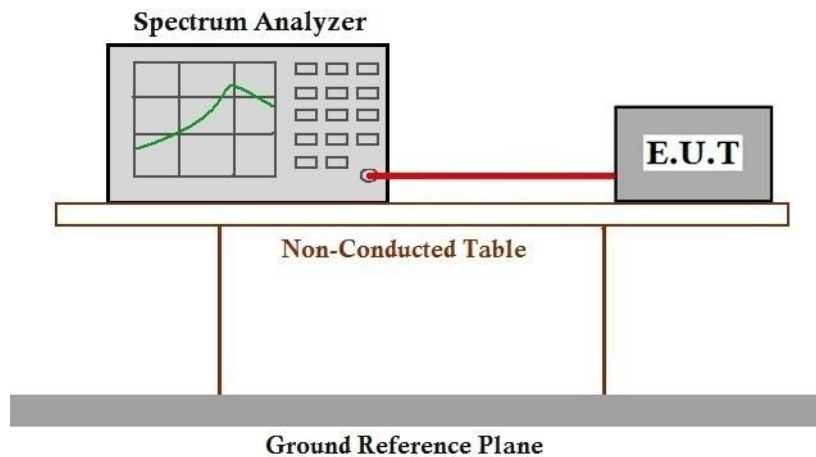
Humidity: 42.0 % RH

Atmospheric Pressure: 1007 mbar

7.7.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	27	TX mode (5.8G SDR_1.4MHz)_Keep the EUT in transmitting mode
Final test	29	TX mode (5.8G SDR_3MHz)_Keep the EUT in transmitting mode
Final test	31	TX mode (5.8G SDR_5MHz)_Keep the EUT in transmitting mode
Final test	33	TX mode (5.8G SDR_10MHz)_Keep the EUT in transmitting mode
Final test	35	TX mode (5.8G SDR_20MHz)_Keep the EUT in transmitting mode
Final test	37	TX mode (5.8G SDR_40MHz)_Keep the EUT in transmitting mode
Final test	39	TX mode (5.8G SDR_60MHz)_Keep the EUT in transmitting mode
Final test	41	TX mode (5.8G SDR_80MHz)_Keep the EUT in transmitting mode
Final test	43	TX mode (5.1G SDR_10MHz)_Keep the EUT in transmitting mode
Final test	45	TX mode (5.1G SDR_20MHz)_Keep the EUT in transmitting mode
Final test	47	TX mode (5.1G SDR_40MHz)_Keep the EUT in transmitting mode

7.7.3 Test Setup Diagram



7.7.4 Measurement Procedure and Data

Please Refer to Appendix for Details

7.8 Radiated Emissions (Below 1GHz)

Test Requirement 47 CFR Part 15, Subpart C 15.209 & Subpart E 15.407(b)

Test Method: KDB 789033 D02 II G

Limit:

Frequency(MHz)	Field strength(microvolts/meter)	Measurement distance(meters)
0.009-0.490	2400/F(kHz)	300
0.490-1.705	24000/F(kHz)	30
1.705-30.0	30	30
30-88	100	3
88-216	150	3
216-960	200	3
960-1000	500	3

7.8.1 E.U.T. Operation

Operating Environment:

Temperature: 23.2 °C

Humidity: 50.5 % RH

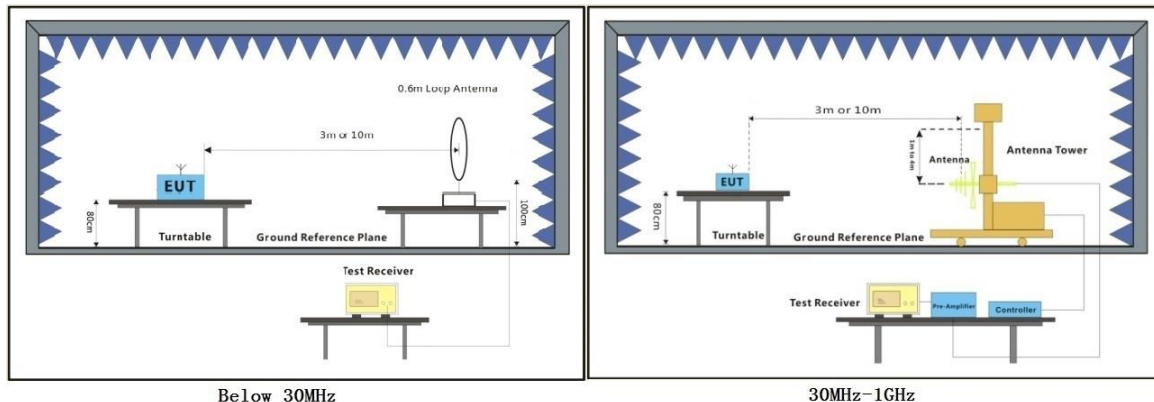
Atmospheric Pressure: 1015 mbar

7.8.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Pre-scan	27	TX mode (5.8G SDR_1.4MHz)_Keep the EUT in transmitting mode
Final test	28	TX mode (5.8G SDR_1.4MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter
Pre-scan	29	TX mode (5.8G SDR_3MHz)_Keep the EUT in transmitting mode
Pre-scan	30	TX mode (5.8G SDR_3MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter
Pre-scan	31	TX mode (5.8G SDR_5MHz)_Keep the EUT in transmitting mode
Pre-scan	32	TX mode (5.8G SDR_5MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter
Pre-scan	33	TX mode (5.8G SDR_10MHz)_Keep the EUT in transmitting mode
Pre-scan	34	TX mode (5.8G SDR_10MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter
Pre-scan	35	TX mode (5.8G SDR_20MHz)_Keep the EUT in transmitting mode
Pre-scan	36	TX mode (5.8G SDR_20MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter
Pre-scan	37	TX mode (5.8G SDR_40MHz)_Keep the EUT in transmitting mode

Pre-scan	38	TX mode (5.8G SDR_40MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter
Pre-scan	39	TX mode (5.8G SDR_60MHz)_Keep the EUT in transmitting mode
Pre-scan	40	TX mode (5.8G SDR_60MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter
Pre-scan	41	TX mode (5.8G SDR_80MHz)_Keep the EUT in transmitting mode
Pre-scan	42	TX mode (5.8G SDR_80MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter
Pre-scan	43	TX mode (5.1G SDR_10MHz)_Keep the EUT in transmitting mode
Pre-scan	44	TX mode (5.1G SDR_10MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter
Pre-scan	45	TX mode (5.1G SDR_20MHz)_Keep the EUT in transmitting mode
Pre-scan	46	TX mode (5.1G SDR_20MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter
Pre-scan	47	TX mode (5.1G SDR_40MHz)_Keep the EUT in transmitting mode
Pre-scan	48	TX mode (5.1G SDR_40MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter

7.8.3 Test Setup Diagram



7.8.4 Measurement Procedure and Data

- a. For below 1GHz, the EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 or 10 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- f. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using quasi-peak method as specified and then reported in a data sheet.
- g. Test the EUT in the lowest channel, the middle channel, the Highest channel.
- h. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case.
- i. Repeat above procedures until all frequencies measured was complete.

Remark:

1. Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor
2. For emission below 1GHz, through the pre-scan found the worst case is the middle channel of 5.8G SDR 1.4MHz bandwidth. Only the worst case is recorded in the report.
3. Scan from 9kHz to 30MHz, the disturbance below 30MHz was very low. The points marked on above plots are the highest emissions could be found when testing, so only above points had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.
4. The disturbance below 1GHz was very low and the harmonics were the highest point could be found when testing, so only the above harmonics had been displayed.



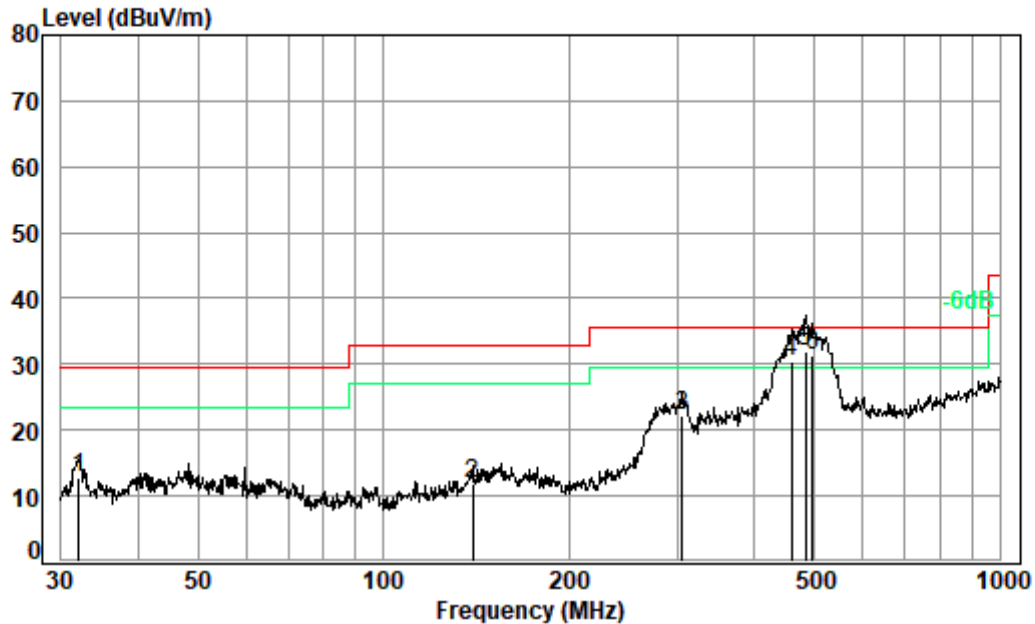
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Test Mode: 28; Polarity: Horizontal; Modulation: OFDM; Channel: Middle



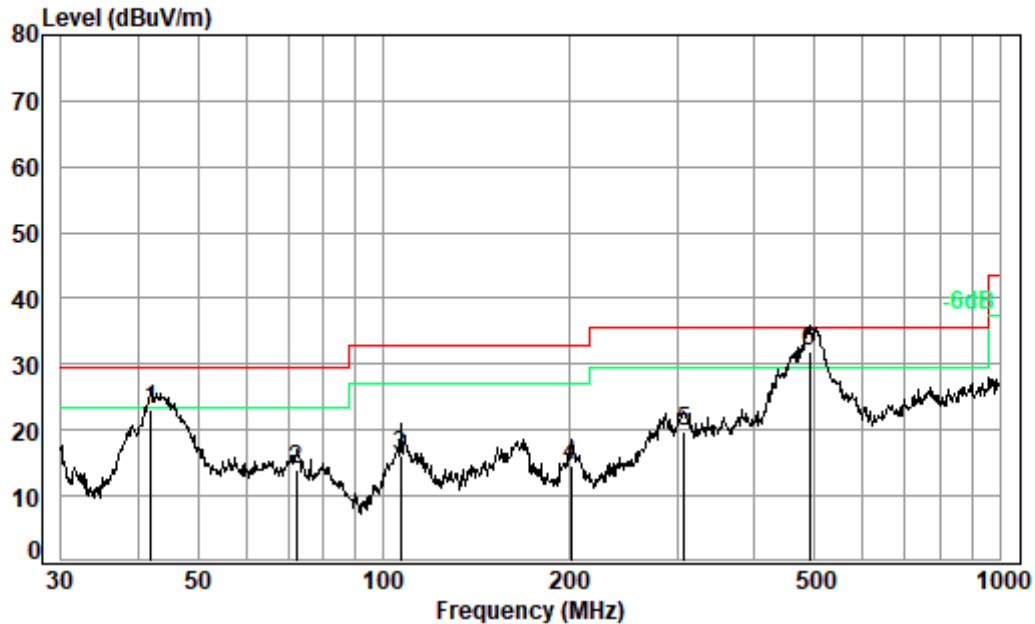
Condition: 10m HORIZONTAL

Job No. : 01009AT

Test Mode: 28

	Freq	Read Level	Ant Factor	Cable Loss	Preamp Factor	Level	Limit	Over Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	32.067	28.47	16.25	0.66	32.46	12.92	29.50	-16.58	QP
2	139.851	26.21	17.06	0.97	32.40	11.84	33.00	-21.16	QP
3	305.680	35.38	17.80	1.45	32.40	22.23	35.60	-13.37	QP
4	459.114	39.90	21.32	1.75	32.46	30.51	35.60	-5.09	QP
5 pp	483.910	40.94	21.54	1.82	32.48	31.82	35.60	-3.78	QP
6	497.677	40.14	21.91	1.85	32.50	31.40	35.60	-4.20	QP

Test Mode: 28; Polarity: Vertical; Modulation: OFDM; Channel: Middle



Condition: 10m VERTICAL

Job No. : 01009AT

Test Mode: 28

	Freq	Read Level	Ant Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	42.007	37.68	17.22	0.60	32.43	23.07	29.50	-6.43	QP
2	72.338	31.02	14.72	0.76	32.40	14.10	29.50	-15.40	QP
3	106.759	33.32	14.24	0.85	32.40	16.01	33.00	-16.99	QP
4	201.393	30.98	14.84	1.19	32.40	14.61	33.00	-18.39	QP
5	307.831	32.74	17.86	1.45	32.40	19.65	35.60	-15.95	QP
6 pp	490.745	40.92	21.68	1.84	32.49	31.95	35.60	-3.65	QP

SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230400100907

Page: 37 of 463

The test was performed at a 10m test site. According to below formulate and the test data at 10m test distance,

$$L_3 / L_{10} = D_{10} / D_3$$

Note:

L₃: Level @ 3m distance. Unit: uV/m;

L₁₀: Level @ 10m distance. Unit: uV/m;

D₃: 3m distance. Unit: m

D₁₀: 10m distance. Unit: m

The level at 3m test distance is below:

Frequency (MHz)	Level @ 10m (dBuV/m)	Level @ 10m (uV/m)	Level @ 3m (uV/m)	Level @ 3m (dBuV/m)	Limit @ 3m (dBuV/m)	Margin (dB)	Ant. Polarization
32.067	12.92	4.43	14.75	23.38	40	-16.62	H
139.851	11.84	3.91	13.03	22.30	43.5	-21.20	H
305.680	22.23	12.93	43.09	32.69	46	-13.31	H
459.114	30.51	33.54	111.78	40.97	46	-5.03	H
483.910	31.82	38.99	129.98	42.28	46	-3.72	H
497.677	31.40	37.15	123.85	41.86	46	-4.14	H
42.007	23.07	14.24	47.47	33.53	40	-6.47	V
72.338	14.10	5.07	16.90	24.56	40	-15.44	V
106.759	16.01	6.32	21.06	26.47	43.5	-17.03	V
201.393	14.61	5.38	17.92	25.07	43.5	-18.43	V
307.831	19.65	9.61	32.02	30.11	46	-15.89	V
490.745	31.95	39.58	131.94	42.41	46	-3.59	V



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7.9 Radiated Emissions which fall in the restricted bands

Test Requirement 47 CFR Part 15, Subpart C 15.209 & Subpart E 15.407(b)

Test Method: KDB 789033 D02 II G

Limit:

Frequency(MHz)	Field strength(microvolts/meter)	Measurement distance(meters)
0.009-0.490	2400/F(kHz)	300
0.490-1.705	24000/F(kHz)	30
1.705-30.0	30	30
30-88	100	3
88-216	150	3
216-960	200	3
Above 960	500	3

*(1) For transmitters operating in the 5.15-5.25 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.

(2) For transmitters operating in the 5.25-5.35 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.

(3) For transmitters operating in the 5.47-5.725 GHz band: All emissions outside of the 5.47-5.725 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.

(4) For transmitters operating in the 5.725-5.85 GHz band:

(i) All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

Remark: The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90kHz, 110-490kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation.

7.9.1 E.U.T. Operation

Operating Environment:



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SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230400100907

Page: 39 of 463

Temperature: 23.1 °C

Humidity: 58.6 % RH

Atmospheric Pressure: 1010 mbar

7.9.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Pre-scan	27	TX mode (5.8G SDR_1.4MHz)_Keep the EUT in transmitting mode
Final test	28	TX mode (5.8G SDR_1.4MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter
Pre-scan	29	TX mode (5.8G SDR_3MHz)_Keep the EUT in transmitting mode
Final test	30	TX mode (5.8G SDR_3MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter
Pre-scan	31	TX mode (5.8G SDR_5MHz)_Keep the EUT in transmitting mode
Final test	32	TX mode (5.8G SDR_5MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter
Pre-scan	33	TX mode (5.8G SDR_10MHz)_Keep the EUT in transmitting mode
Final test	34	TX mode (5.8G SDR_10MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter
Pre-scan	35	TX mode (5.8G SDR_20MHz)_Keep the EUT in transmitting mode
Final test	36	TX mode (5.8G SDR_20MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter
Pre-scan	37	TX mode (5.8G SDR_40MHz)_Keep the EUT in transmitting mode
Final test	38	TX mode (5.8G SDR_40MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter
Pre-scan	39	TX mode (5.8G SDR_60MHz)_Keep the EUT in transmitting mode
Final test	40	TX mode (5.8G SDR_60MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter
Pre-scan	41	TX mode (5.8G SDR_80MHz)_Keep the EUT in transmitting mode
Final test	42	TX mode (5.8G SDR_80MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter
Pre-scan	43	TX mode (5.1G SDR_10MHz)_Keep the EUT in transmitting mode
Final test	44	TX mode (5.1G SDR_10MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter
Pre-scan	45	TX mode (5.1G SDR_20MHz)_Keep the EUT in transmitting mode
Final test	46	TX mode (5.1G SDR_20MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter
Pre-scan	47	TX mode (5.1G SDR_40MHz)_Keep the EUT in transmitting mode
Final test	48	TX mode (5.1G SDR_40MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter



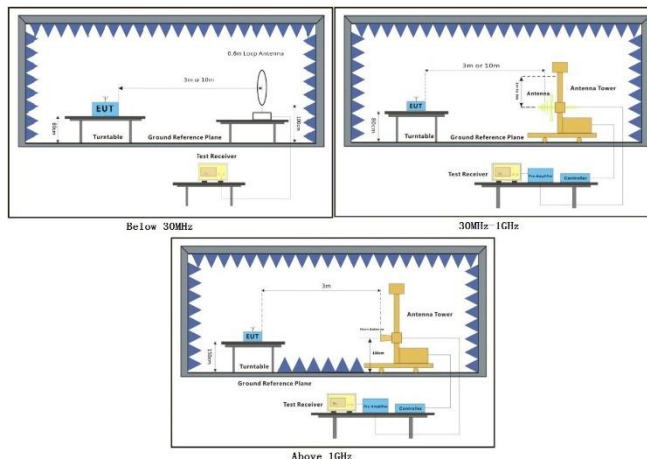
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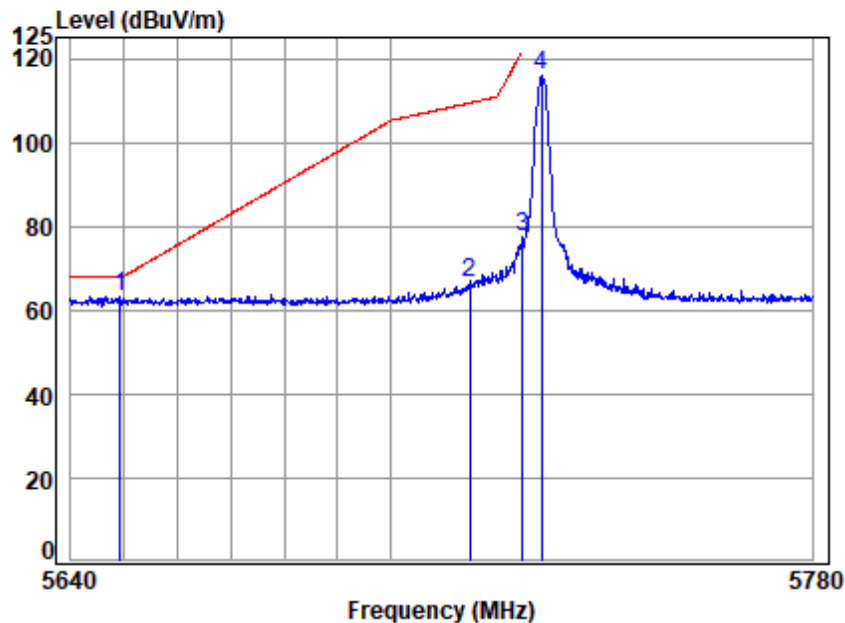
7.9.3 Test Setup Diagram



7.9.4 Measurement Procedure and Data

- For below 1GHz, the EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 or 10 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
 - For above 1GHz, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter fully-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
 - The EUT was set 3 or 10 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
 - The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
 - For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
 - The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
 - If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.
 - Test the EUT in the lowest channel, the middle channel, the Highest channel.
 - The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case.
 - Repeat above procedures until all frequencies measured was complete.
- Remark: Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor

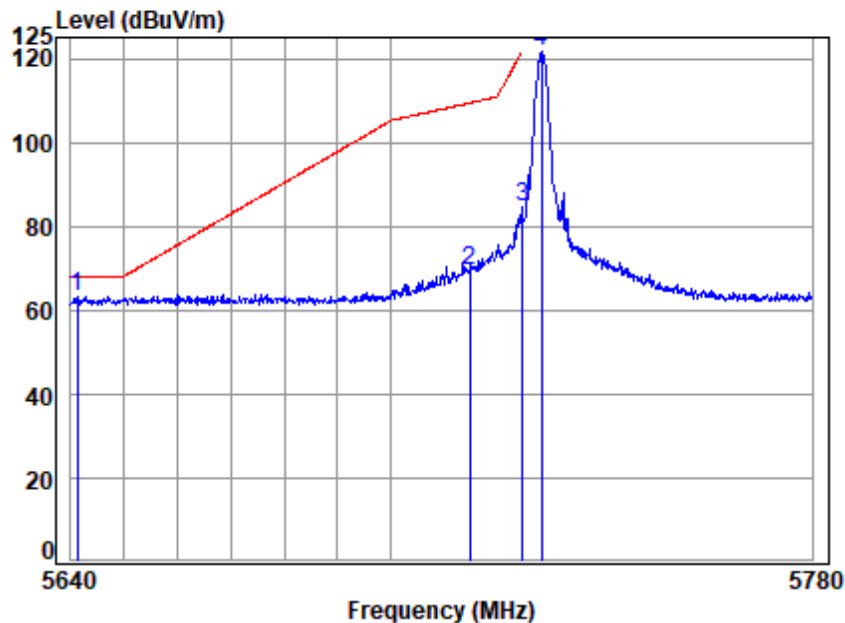
Test Mode: 28; Polarity: Horizontal; Modulation: OFDM; Channel: Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01009AT\01010AT
Mode : 5728.5 Band edge
: SDR 1.4M

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 q 5649.135		7.85	34.50	35.02	55.79	63.12	68.20	-5.08 peak
2 5715.000		7.91	34.50	35.02	59.30	66.69	109.40	-42.71 peak
3 5725.000		7.92	34.50	35.02	70.17	77.57	122.20	-44.63 peak
4 5728.500		7.92	34.50	35.02	108.46	115.86	-----	----- peak

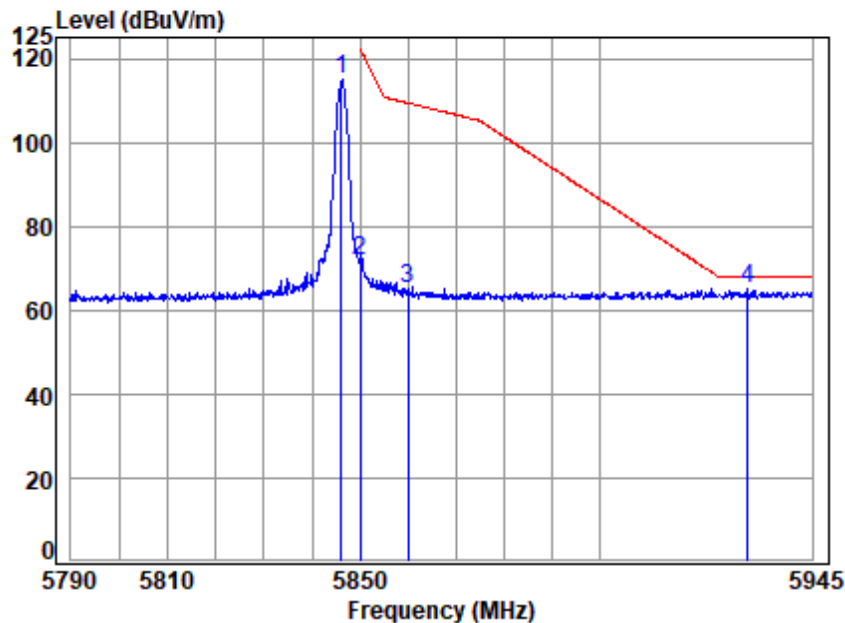
Test Mode: 28; Polarity: Vertical; Modulation: OFDM; Channel: Low



Site : chamber
Condition: 3m VERTICAL
Job No : 01009AT\01010AT
Mode : 5728.5 Band edge
: SDR 1.4M

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 q 5641.245		7.84	34.50	35.02	56.13	63.45	68.20	-4.75 peak
2 5715.000		7.91	34.50	35.02	61.89	69.28	109.40	-40.12 peak
3 5725.000		7.92	34.50	35.02	77.18	84.58	122.20	-37.62 peak
4 5728.500		7.92	34.50	35.02	114.34	121.74	-----	----- peak

Test Mode: 28; Polarity: Horizontal; Modulation: OFDM; Channel: High

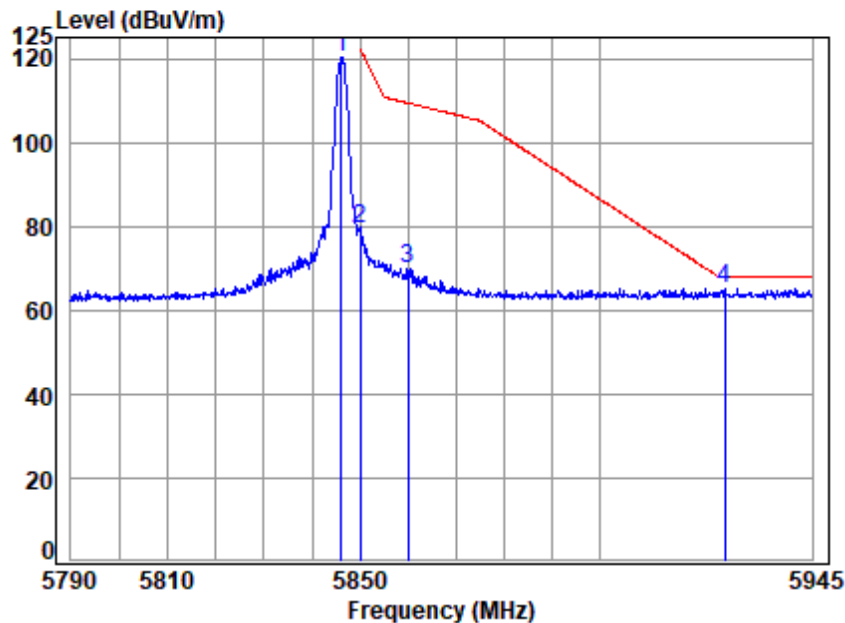


Site : chamber
Condition: 3m HORIZONTAL
Job No : 01009AT\01010AT
Mode : 5846.12 Band edge
: SDR 1.4M

		Cable	Ant	Preamp	Read		Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5846.120	8.02	34.69	35.03	107.12	114.80	-----	-----	peak
2	5850.000	8.03	34.70	35.03	63.84	71.54	122.20	-50.66	peak
3	5860.000	8.04	34.72	35.03	57.30	65.03	109.40	-44.37	peak
4 q	5931.352	8.10	34.86	35.04	57.31	65.23	68.20	-2.97	peak



Test Mode: 28; Polarity: Vertical; Modulation: OFDM; Channel: High



Site : chamber
Condition: 3m VERTICAL
Job No : 01009AT\01010AT
Mode : 5846.12 Band edge
: SDR 1.4M

		Cable	Ant	Preamp	Read		Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5846.120	8.02	34.69	35.03	112.80	120.48	-----	-----	peak
2	5850.000	8.03	34.70	35.03	71.58	79.28	122.20	-42.92	peak
3	5860.000	8.04	34.72	35.03	62.31	70.04	109.40	-39.36	peak
4 q	5926.496	8.10	34.85	35.04	57.20	65.11	68.20	-3.09	peak

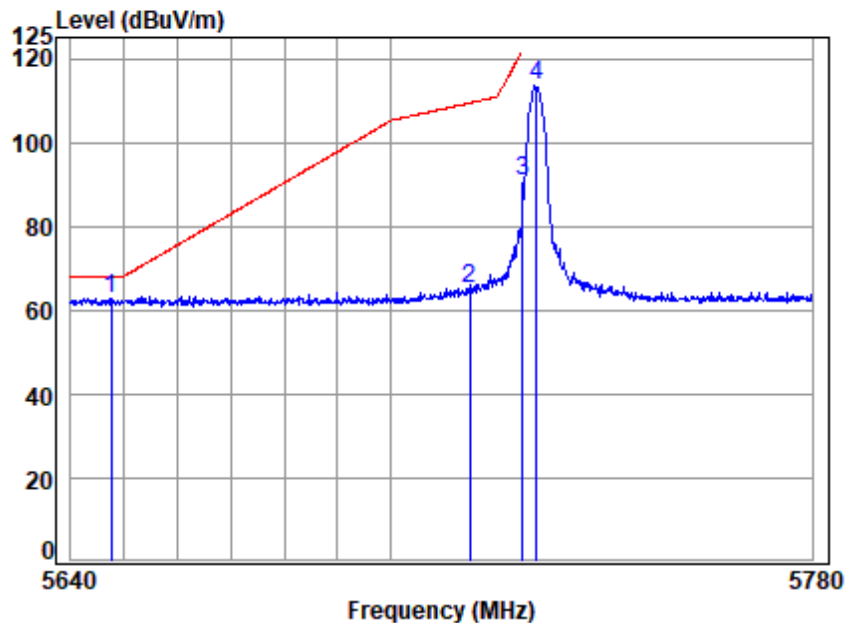


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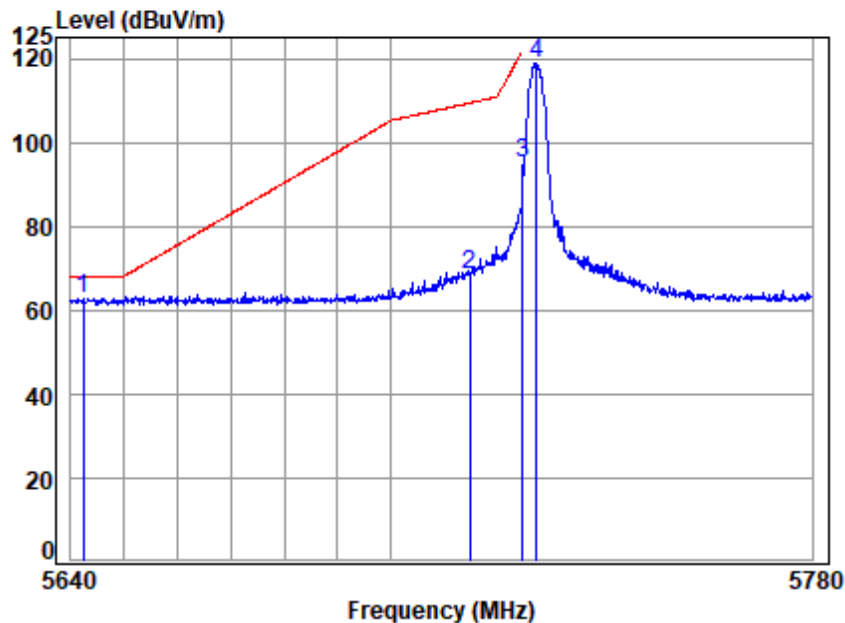
Test Mode: 30; Polarity: Horizontal; Modulation: OFDM; Channel: Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01009AT\01010AT
Mode : 5727.5 Band edge
: SDR 3M

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 q 5647.611		7.84	34.50	35.02	55.56	62.88	68.20	-5.32 peak
2 5715.000		7.91	34.50	35.02	57.57	64.96	109.40	-44.44 peak
3 5725.000		7.92	34.50	35.02	83.48	90.88	122.20	-31.32 peak
4 5727.500		7.92	34.50	35.02	106.01	113.41	-----	----- peak

Test Mode: 30; Polarity: Vertical; Modulation: OFDM; Channel: Low



Site : chamber
Condition: 3m VERTICAL
Job No : 01009AT\01010AT
Mode : 5727.5 Band edge
: SDR 3M

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 q	5642.352	7.84	34.50	35.02	55.65	62.97	68.20	-5.23 peak
2	5715.000	7.91	34.50	35.02	60.86	68.25	109.40	-41.15 peak
3	5725.000	7.92	34.50	35.02	87.71	95.11	122.20	-27.09 peak
4	5727.500	7.92	34.50	35.02	111.53	118.93	-----	----- peak



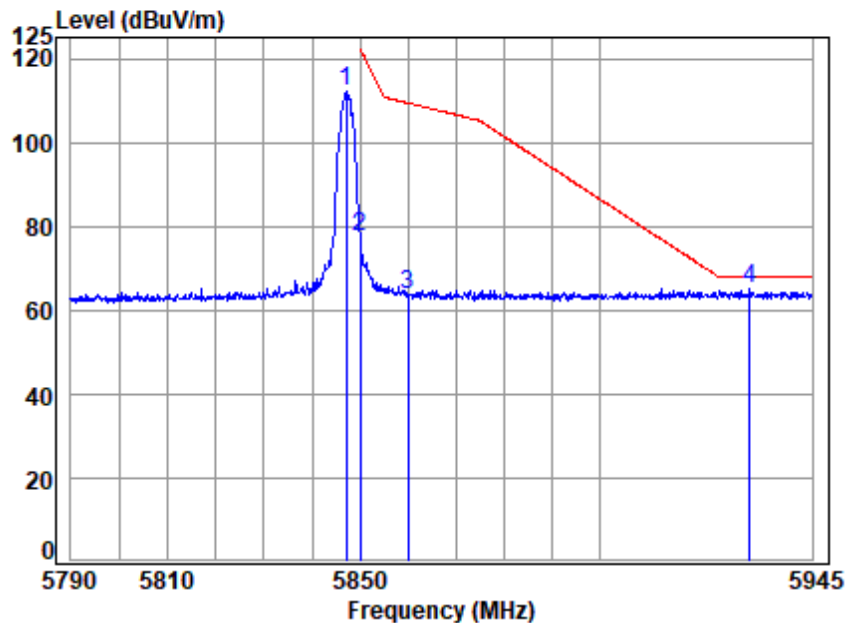
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Shenzhen Branch Testing Center Laboratory

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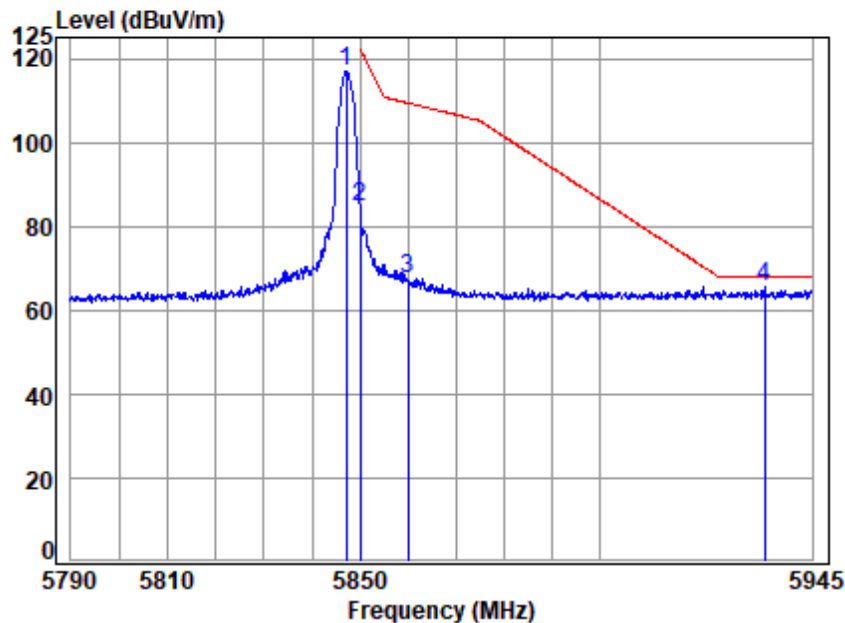
Test Mode: 30; Polarity: Horizontal; Modulation: OFDM; Channel: High



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01009AT\01010AT
Mode : 5847.2 Band edge
: SDR 3M

		Cable	Ant	Preamp	Read		Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5847.200	8.03	34.69	35.03	104.36	112.05	-----	-----	peak
2	5850.000	8.03	34.70	35.03	69.88	77.58	122.20	-44.62	peak
3	5860.000	8.04	34.72	35.03	56.01	63.74	109.40	-45.66	peak
4 q	5931.822	8.10	34.86	35.04	57.09	65.01	68.20	-3.19	peak

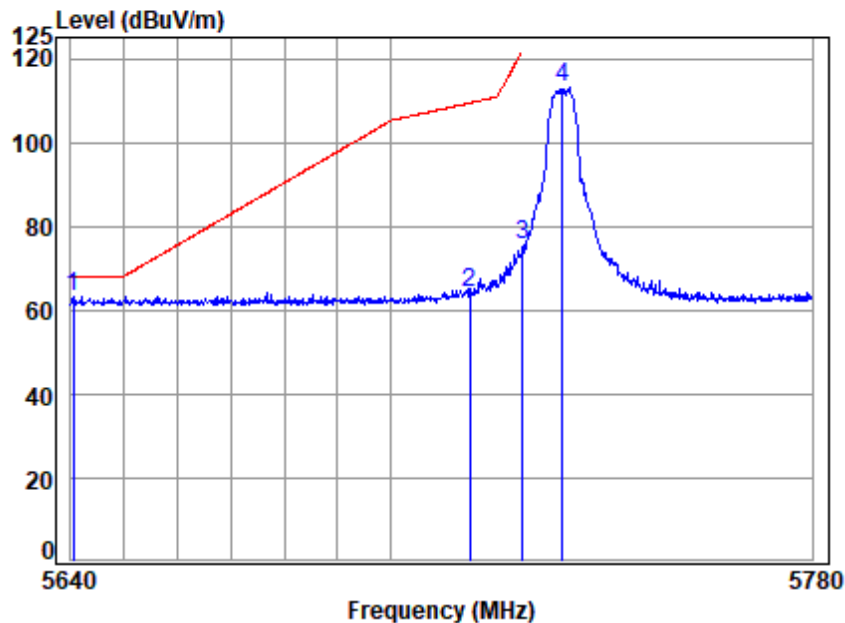
Test Mode: 30; Polarity: Vertical; Modulation: OFDM; Channel: High



Site : chamber
 Condition: 3m VERTICAL
 Job No : 01009AT\01010AT
 Mode : 5847.2 Band edge
 : SDR 3M

		Cable	Ant	Preamp	Read		Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5847.200	8.03	34.69	35.03	109.46	117.15	-----	-----	peak
2	5850.000	8.03	34.70	35.03	77.11	84.81	122.20	-37.39	peak
3	5860.000	8.04	34.72	35.03	59.61	67.34	109.40	-42.06	peak
4 q	5934.957	8.10	34.87	35.04	57.65	65.58	68.20	-2.62	peak

Test Mode: 32; Polarity: Horizontal; Modulation: OFDM; Channel: Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01009AT\01010AT
Mode : 5732.5 Band edge
: SDR 5M

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 q 5640.415		7.84	34.50	35.02	55.89	63.21	68.20	-4.99 peak
2 5715.000		7.91	34.50	35.02	56.75	64.14	109.40	-45.26 peak
3 5725.000		7.92	34.50	35.02	68.36	75.76	122.20	-46.44 peak
4 5732.500		7.92	34.50	35.02	105.53	112.93	-----	----- peak

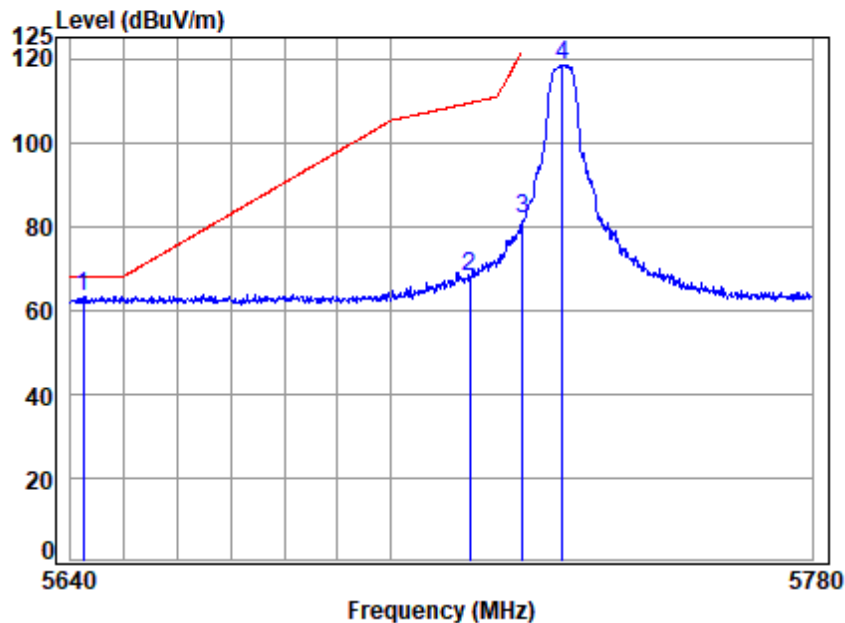


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Test Mode: 32; Polarity: Vertical; Modulation: OFDM; Channel: Low



Site : chamber
Condition: 3m VERTICAL
Job No : 01009AT\01010AT
Mode : 5732.5 Band edge
: SDR 5M

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 q 5642.352		7.84	34.50	35.02	56.05	63.37	68.20	-4.83 peak
2 5715.000		7.91	34.50	35.02	60.43	67.82	109.40	-41.58 peak
3 5725.000		7.92	34.50	35.02	74.57	81.97	122.20	-40.23 peak
4 5732.500		7.92	34.50	35.02	111.13	118.53	-----	----- peak



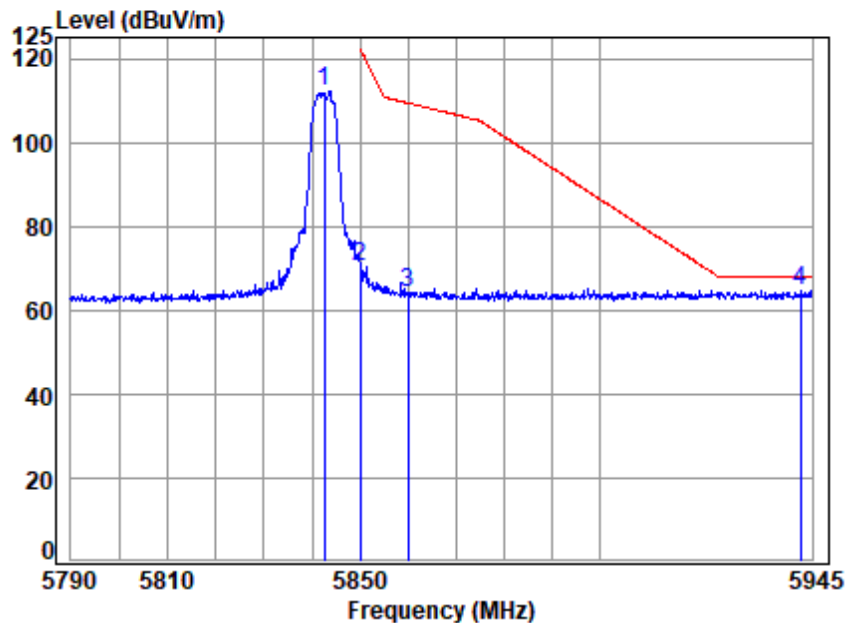
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Test Mode: 32; Polarity: Horizontal; Modulation: OFDM; Channel: High

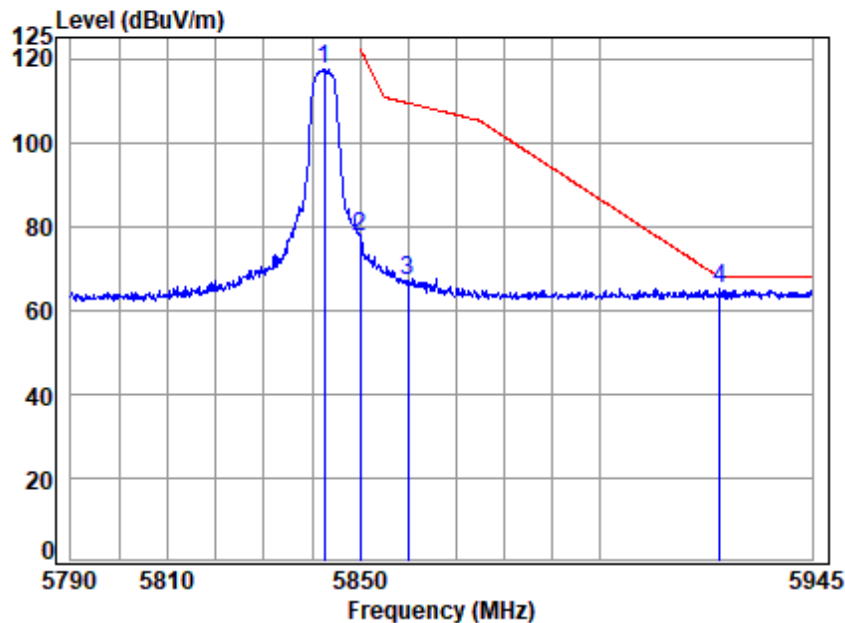


Site : chamber
Condition: 3m HORIZONTAL
Job No : 01009AT\01010AT
Mode : 5842.5 Band edge
: SDR 5M

		Cable	Ant	Preamp	Read		Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5842.500	8.02	34.69	35.03	104.53	112.21	-----	-----	peak
2	5850.000	8.03	34.70	35.03	62.59	70.29	122.20	-51.91	peak
3	5860.000	8.04	34.72	35.03	56.63	64.36	109.40	-45.04	peak
4 q	5942.488	8.11	34.89	35.04	56.51	64.47	68.20	-3.73	peak



Test Mode: 32; Polarity: Vertical; Modulation: OFDM; Channel: High

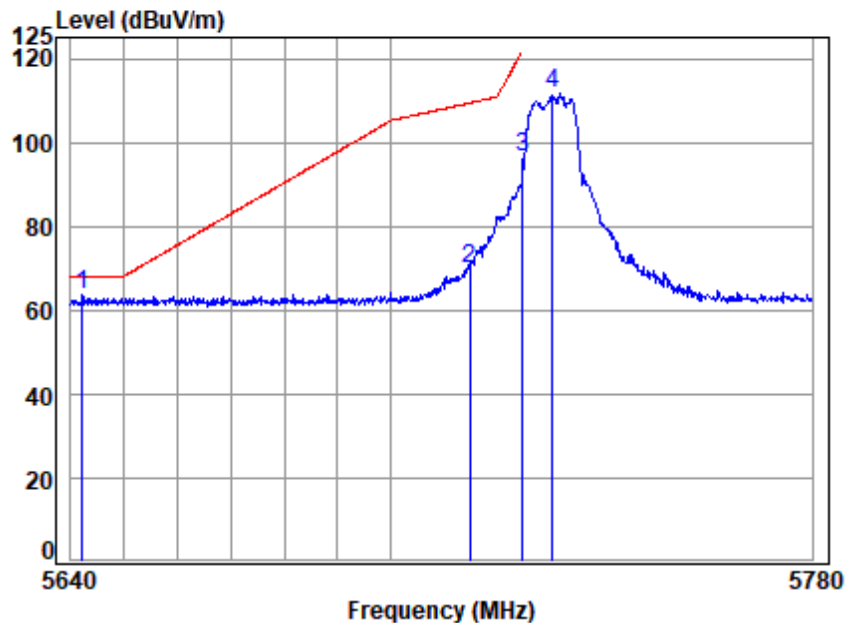


Site : chamber
Condition: 3m VERTICAL
Job No : 01009AT\01010AT
Mode : 5842.5 Band edge
: SDR 5M

		Cable	Ant	Preamp	Read		Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5842.500	8.02	34.69	35.03	109.93	117.61	-----	-----	peak
2	5850.000	8.03	34.70	35.03	69.93	77.63	122.20	-44.57	peak
3	5860.000	8.04	34.72	35.03	59.34	67.07	109.40	-42.33	peak
4 q	5925.557	8.09	34.85	35.04	57.36	65.26	68.20	-2.94	peak



Test Mode: 34; Polarity: Horizontal; Modulation: OFDM; Channel: Low

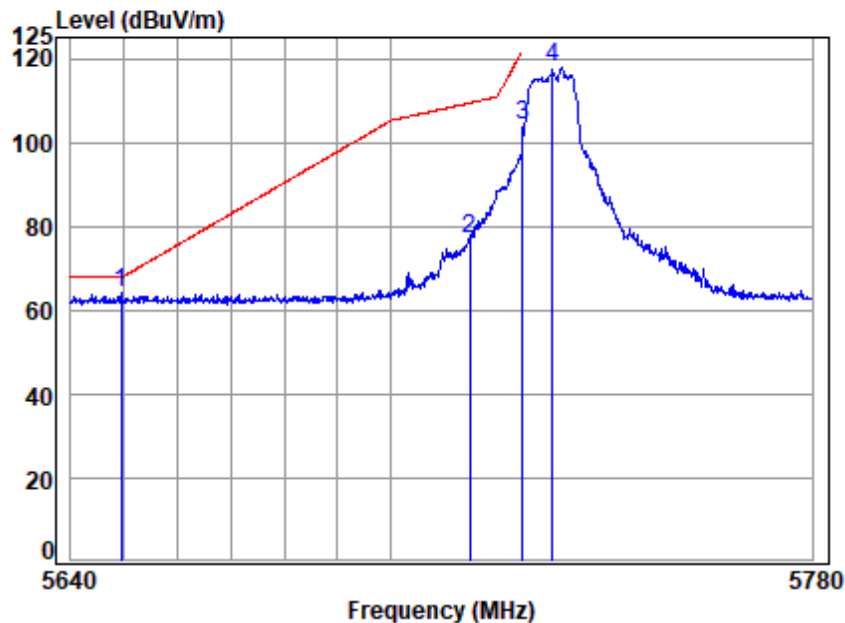


Site : chamber
Condition: 3m HORIZONTAL
Job No : 01009AT\01010AT
Mode : 5730.5 Band edge
: SDR 10M

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 q 5642.213		7.84	34.50	35.02	56.17	63.49	68.20	-4.71 peak
2 5715.000		7.91	34.50	35.02	62.24	69.63	109.40	-39.77 peak
3 5725.000		7.92	34.50	35.02	88.90	96.30	122.20	-25.90 peak
4 5730.500		7.92	34.50	35.02	104.19	111.59	-----	----- peak



Test Mode: 34; Polarity: Vertical; Modulation: OFDM; Channel: Low

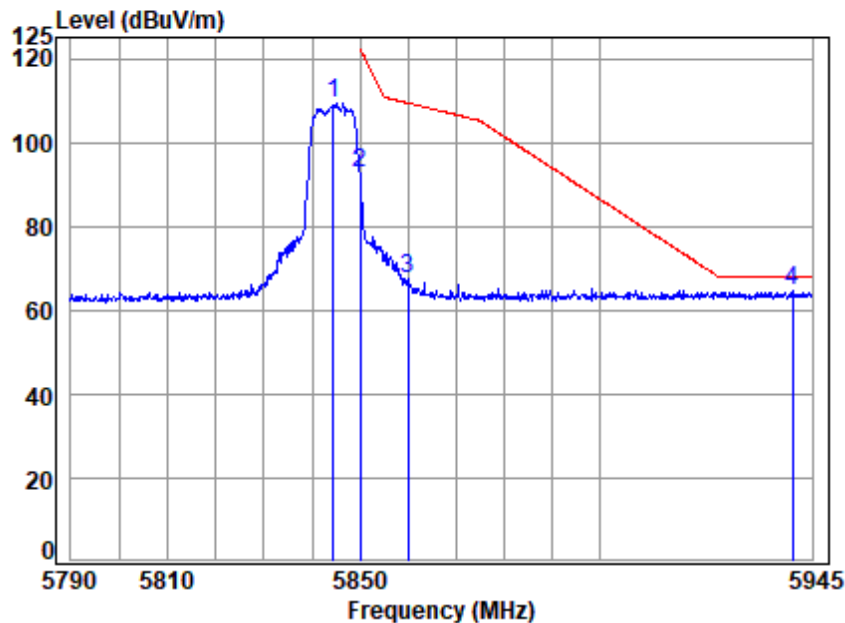


Site : chamber
Condition: 3m VERTICAL
Job No : 01009AT\01010AT
Mode : 5730.5 Band edge
: SDR 10M

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 q 5649.412		7.85	34.50	35.02	56.70	64.03	68.20	-4.17 peak
2 5715.000		7.91	34.50	35.02	69.70	77.09	109.40	-32.31 peak
3 5725.000		7.92	34.50	35.02	96.65	104.05	122.20	-18.15 peak
4 5730.500		7.92	34.50	35.02	110.29	117.69	-----	----- peak



Test Mode: 34; Polarity: Horizontal; Modulation: OFDM; Channel: High

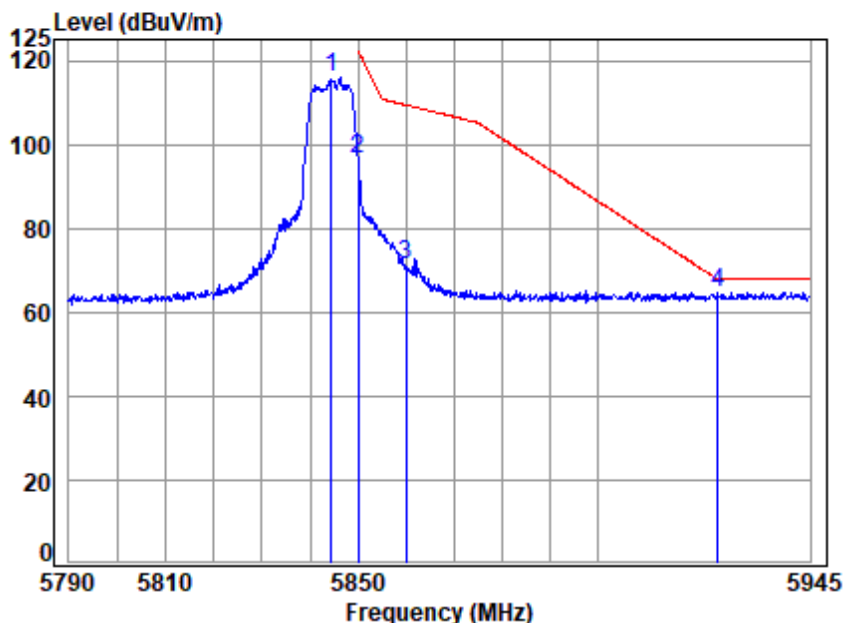


Site : chamber
Condition: 3m HORIZONTAL
Job No : 01009AT\01010AT
Mode : 5844.5 Band edge
: SDR 10M

		Cable	Ant	Preamp	Read		Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5844.500	8.02	34.69	35.03	101.79	109.47	-----	-----	peak
2	5850.000	8.03	34.70	35.03	84.90	92.60	122.20	-29.60	peak
3	5860.000	8.04	34.72	35.03	59.73	67.46	109.40	-41.94	peak
4 q	5940.761	8.11	34.88	35.04	56.83	64.78	68.20	-3.42	peak



Test Mode: 34; Polarity: Vertical; Modulation: OFDM; Channel: High

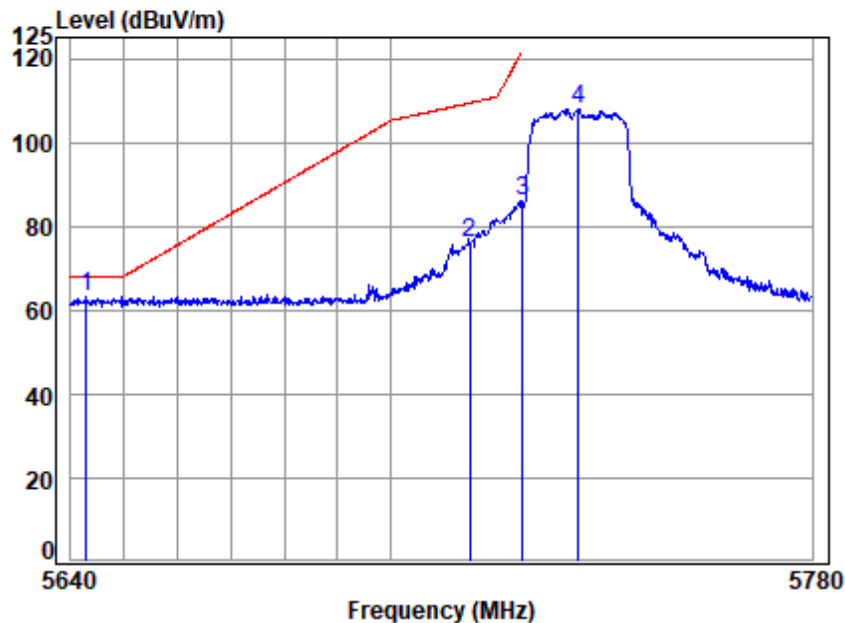


Site : chamber
Condition: 3m VERTICAL
Job No : 01009AT\01010AT
Mode : 5844.5 Band edge
: SDR 10M

		Cable	Ant	Preamp	Read		Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5844.500	8.02	34.69	35.03	108.44	116.12	-----	-----	peak
2	5850.000	8.03	34.70	35.03	88.95	96.65	122.20	-25.55	peak
3	5860.000	8.04	34.72	35.03	63.50	71.23	109.40	-38.17	peak
4 q	5925.400	8.09	34.85	35.04	56.97	64.87	68.20	-3.33	peak



Test Mode: 36; Polarity: Horizontal; Modulation: OFDM; Channel: Low

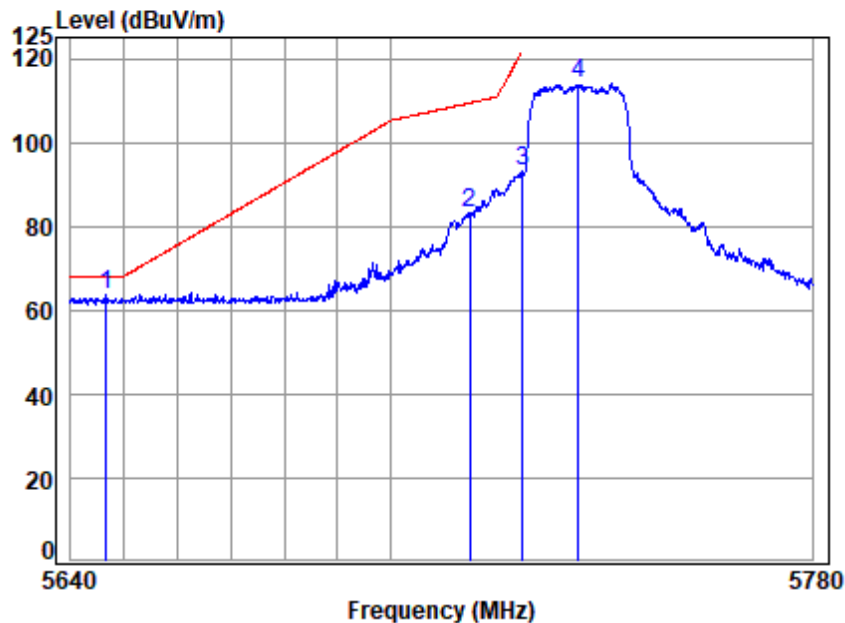


Site : chamber
Condition: 3m HORIZONTAL
Job No : 01009AT\01010AT
Mode : 5735.5 Band edge
: SDR 20M

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 q 5642.905		7.84	34.50	35.02	56.05	63.37	68.20	-4.83 peak
2 5715.000		7.91	34.50	35.02	68.65	76.04	109.40	-33.36 peak
3 5725.000		7.92	34.50	35.02	78.60	86.00	122.20	-36.20 peak
4 5735.500		7.93	34.50	35.03	100.50	107.90	-----	----- peak



Test Mode: 36; Polarity: Vertical; Modulation: OFDM; Channel: Low



Site : chamber
 Condition: 3m VERTICAL
 Job No : 01009AT\01010AT
 Mode : 5735.5 Band edge
 : SDR 20M

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 q 5646.642		7.84	34.50	35.02	56.25	63.57	68.20	-4.63 peak
2 5715.000		7.91	34.50	35.02	75.77	83.16	109.40	-26.24 peak
3 5725.000		7.92	34.50	35.02	85.86	93.26	122.20	-28.94 peak
4 5735.500		7.93	34.50	35.03	106.52	113.92	-----	----- peak



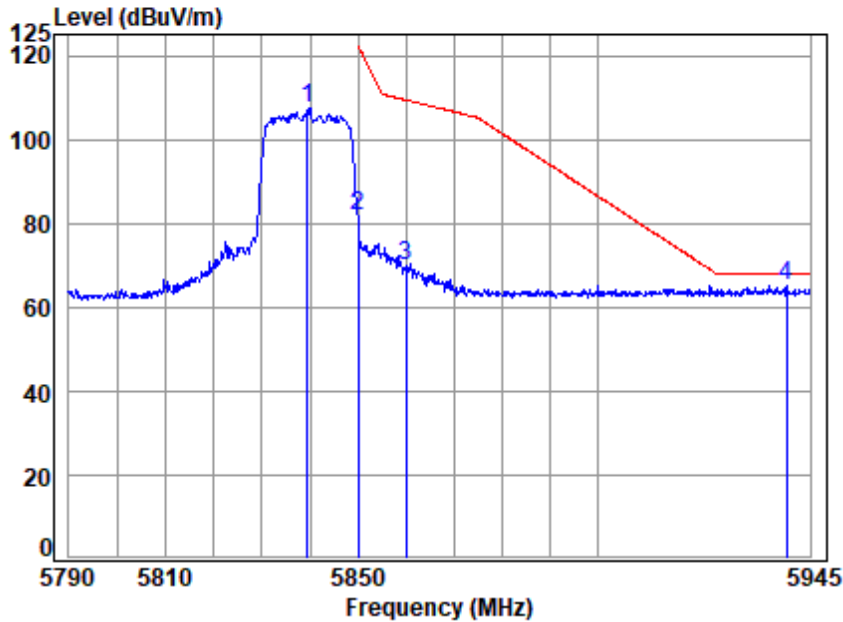
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Test Mode: 36; Polarity: Horizontal; Modulation: OFDM; Channel: High



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01009AT\01010AT
Mode : 5839.5 Band edge
: SDR 20M

		Cable	Ant	Preamp	Read		Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5839.500	8.02	34.68	35.03	99.55	107.22	-----	-----	peak
2	5850.000	8.03	34.70	35.03	74.21	81.91	122.20	-40.29	peak
3	5860.000	8.04	34.72	35.03	62.28	70.01	109.40	-39.39	peak
4 q	5939.976	8.11	34.88	35.04	57.24	65.19	68.20	-3.01	peak



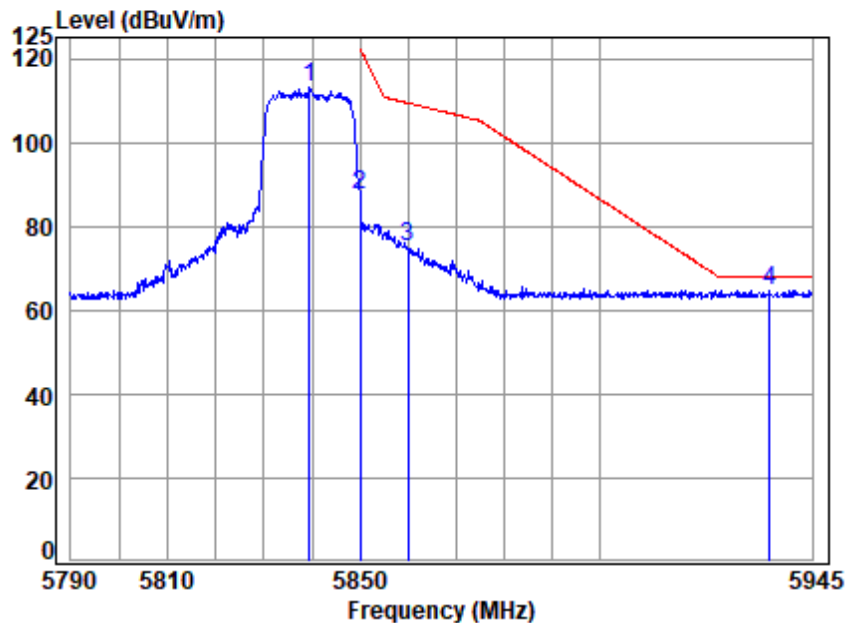
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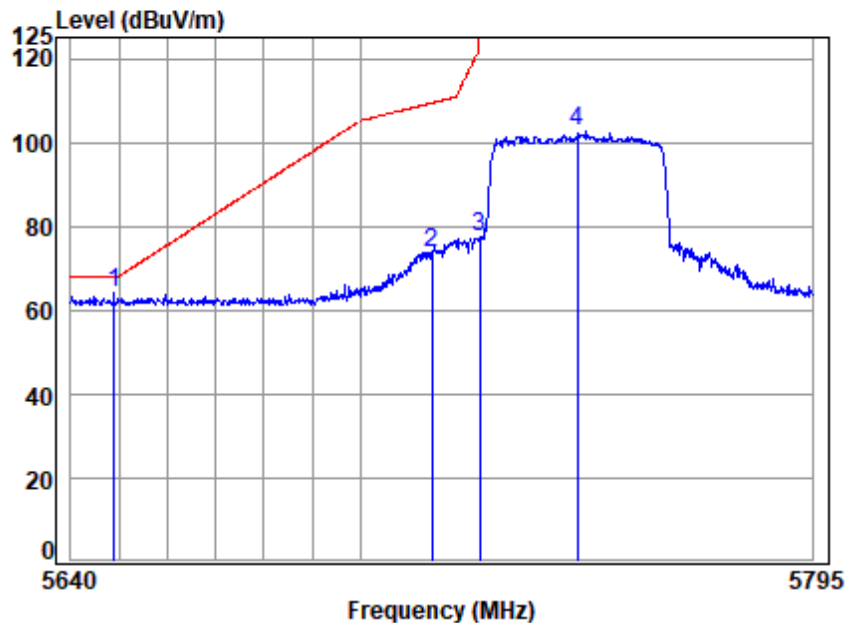
Test Mode: 36; Polarity: Vertical; Modulation: OFDM; Channel: High



Site : chamber
 Condition: 3m VERTICAL
 Job No : 01009AT\01010AT
 Mode : 5839.5 Band edge
 : SDR 20M

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5839.500	8.02	34.68	35.03	105.56	113.23	-----	----- peak
2	5850.000	8.03	34.70	35.03	79.93	87.63	122.20	-34.57 peak
3	5860.000	8.04	34.72	35.03	67.23	74.96	109.40	-34.44 peak
4 q	5936.055	8.10	34.87	35.04	56.89	64.82	68.20	-3.38 peak

Test Mode: 38; Polarity: Horizontal; Modulation: OFDM; Channel: Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01009AT\01010AT
Mode : 5745.5 Band edge
: SDR 40M

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 q 5648.875		7.85	34.50	35.02	56.60	63.93	68.20	-4.27 peak
2 5715.000		7.91	34.50	35.02	66.27	73.66	109.40	-35.74 peak
3 5725.000		7.92	34.50	35.02	70.24	77.64	122.20	-44.56 peak
4 5745.500		7.93	34.50	35.03	95.06	102.46	-----	----- peak

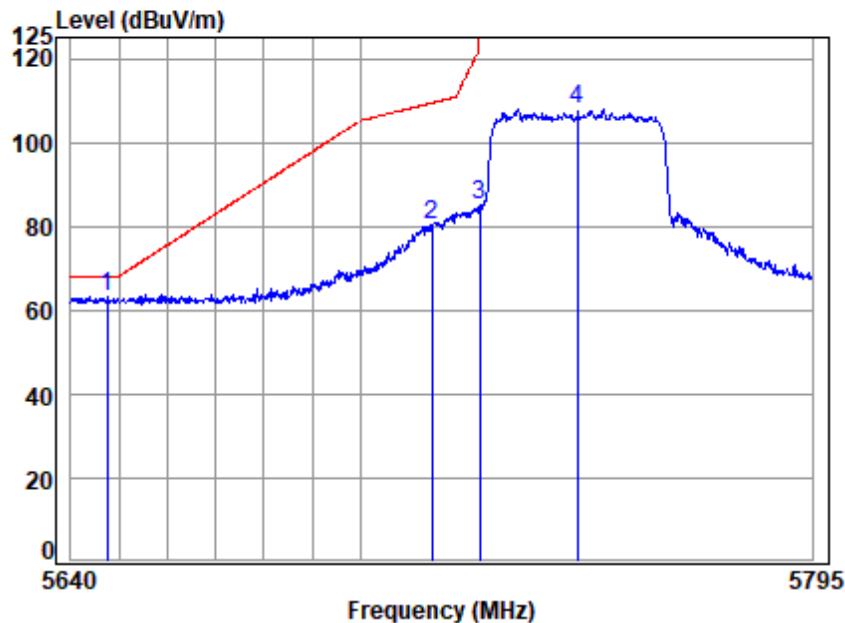


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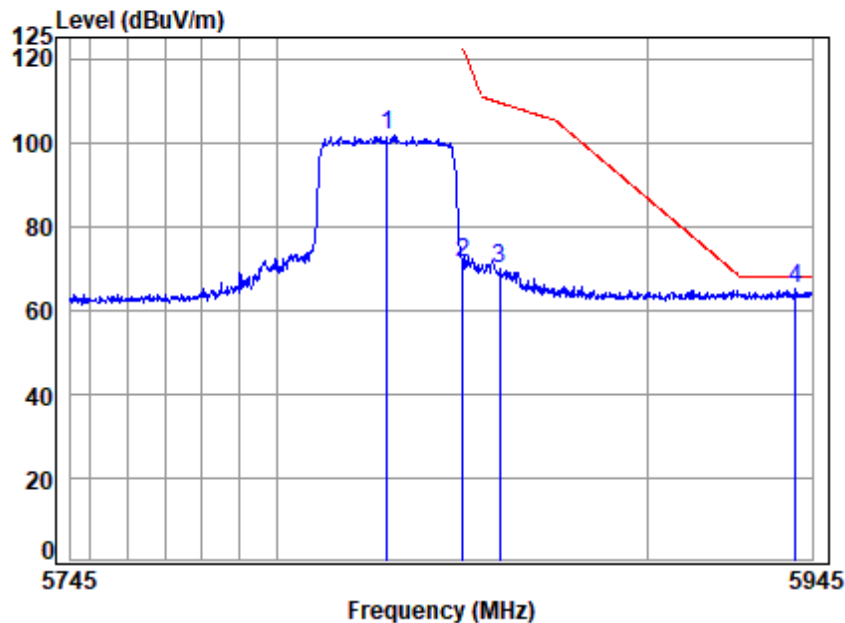
Test Mode: 38; Polarity: Vertical; Modulation: OFDM; Channel: Low



Site : chamber
Condition: 3m VERTICAL
Job No : 01009AT\01010AT
Mode : 5745.5 Band edge
: SDR 40M

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 q 5647.498		7.84	34.50	35.02	55.99	63.31	68.20	-4.89 peak
2 5715.000		7.91	34.50	35.02	72.92	80.31	109.40	-29.09 peak
3 5725.000		7.92	34.50	35.02	77.47	84.87	122.20	-37.33 peak
4 5745.500		7.93	34.50	35.03	100.37	107.77	-----	----- peak

Test Mode: 38; Polarity: Horizontal; Modulation: OFDM; Channel: High

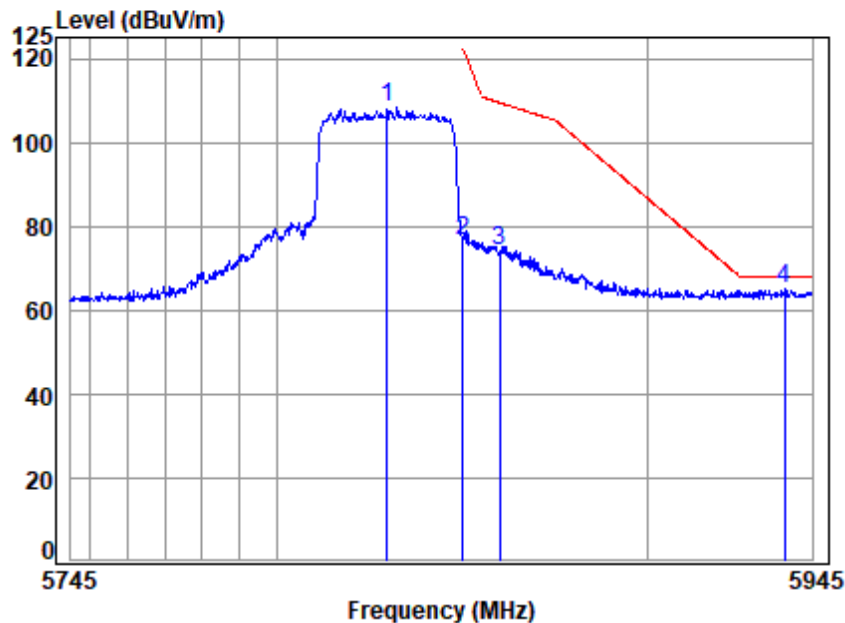


Site : chamber
Condition: 3m HORIZONTAL
Job No : 01009AT\01010AT
Mode : 5829.5 Band edge
: SDR 40M

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5829.500	8.01	34.66	35.03	93.86	101.50	-----	----- peak
2	5850.000	8.03	34.70	35.03	63.49	71.19	122.20	-51.01 peak
3	5860.000	8.04	34.72	35.03	62.34	70.07	109.40	-39.33 peak
4 q	5940.323	8.11	34.88	35.04	57.13	65.08	68.20	-3.12 peak



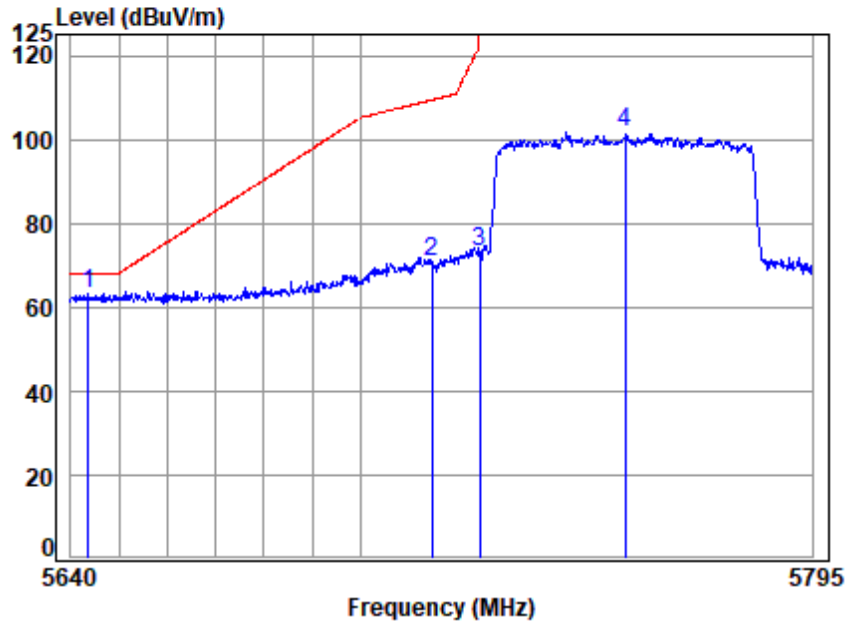
Test Mode: 38; Polarity: Vertical; Modulation: OFDM; Channel: High



Site : chamber
Condition: 3m VERTICAL
Job No : 01009AT\01010AT
Mode : 5829.5 Band edge
: SDR 40M

		Cable	Ant	Preamp	Read		Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5829.500	8.01	34.66	35.03	100.85	108.49	-----	-----	peak
2	5850.000	8.03	34.70	35.03	68.60	76.30	122.20	-45.90	peak
3	5860.000	8.04	34.72	35.03	66.35	74.08	109.40	-35.32	peak
4 q	5937.478	8.11	34.88	35.04	56.95	64.90	68.20	-3.30	peak

Test Mode: 40; Polarity: Horizontal; Modulation: OFDM; Channel: Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01009AT\01010AT
Mode : 5755.5 Band edge
: SDR 60M

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 q 5643.671		7.84	34.50	35.02	55.94	63.26	68.20	-4.94 peak
2 5715.000		7.91	34.50	35.02	63.23	70.62	109.40	-38.78 peak
3 5725.000		7.92	34.50	35.02	65.71	73.11	122.20	-49.09 peak
4 5755.500		7.94	34.51	35.03	94.15	101.57	-----	----- peak



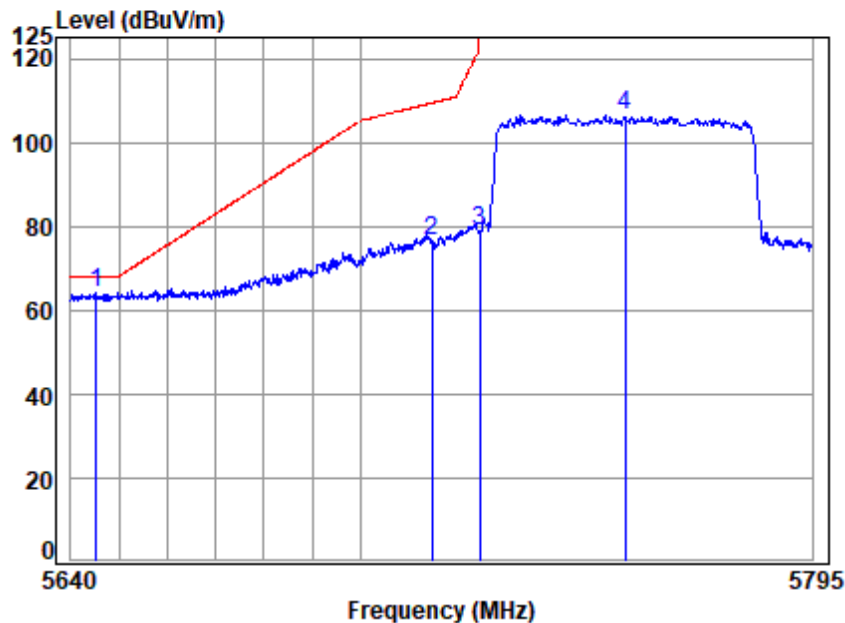
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Test Mode: 40; Polarity: Vertical; Modulation: OFDM; Channel: Low



Site : chamber
Condition: 3m VERTICAL
Job No : 01009AT\01010AT
Mode : 5755.5 Band edge
: SDR 60M

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 q 5645.354		7.84	34.50	35.02	56.95	64.27	68.20	-3.93 peak
2 5715.000		7.91	34.50	35.02	69.28	76.67	109.40	-32.73 peak
3 5725.000		7.92	34.50	35.02	71.73	79.13	122.20	-43.07 peak
4 5755.500		7.94	34.51	35.03	98.98	106.40	-----	----- peak



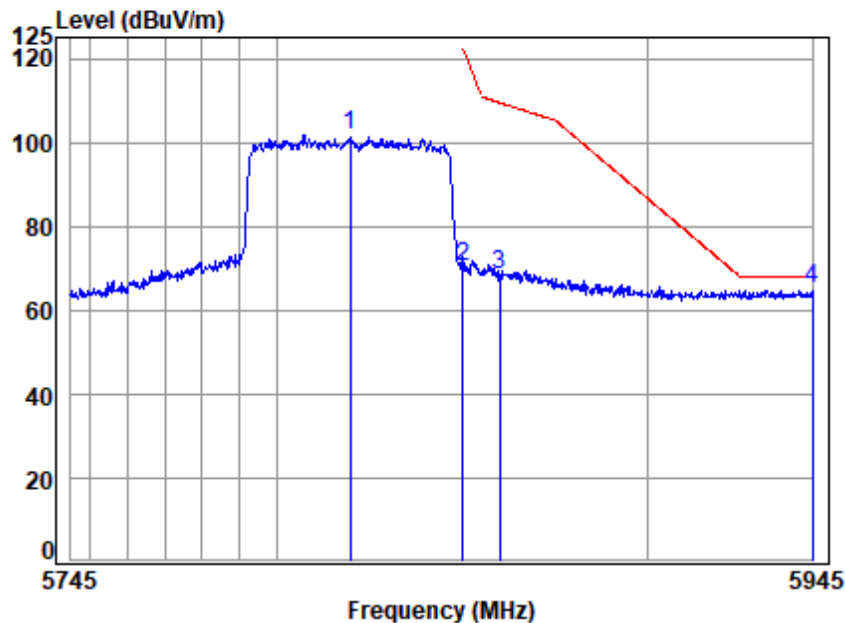
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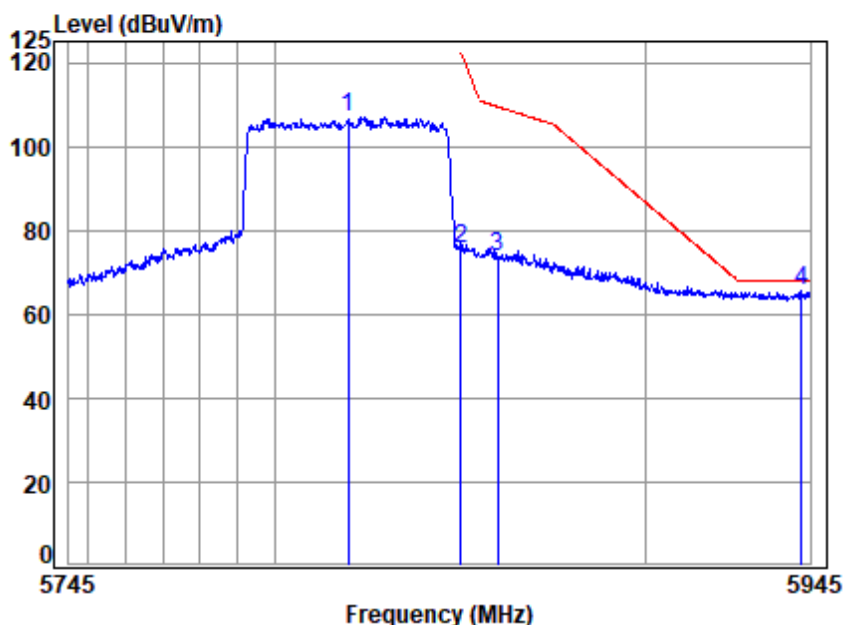
Test Mode: 40; Polarity: Horizontal; Modulation: OFDM; Channel: High



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01009AT\01010AT
Mode : 5819.5 Band edge
: SDR 60M

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5819.500	8.00	34.64	35.03	93.99	101.60	-----	----- peak
2	5850.000	8.03	34.70	35.03	62.83	70.53	122.20	-51.67 peak
3	5860.000	8.04	34.72	35.03	60.76	68.49	109.40	-40.91 peak
4 q	5945.000	8.11	34.89	35.04	56.92	64.88	68.20	-3.32 peak

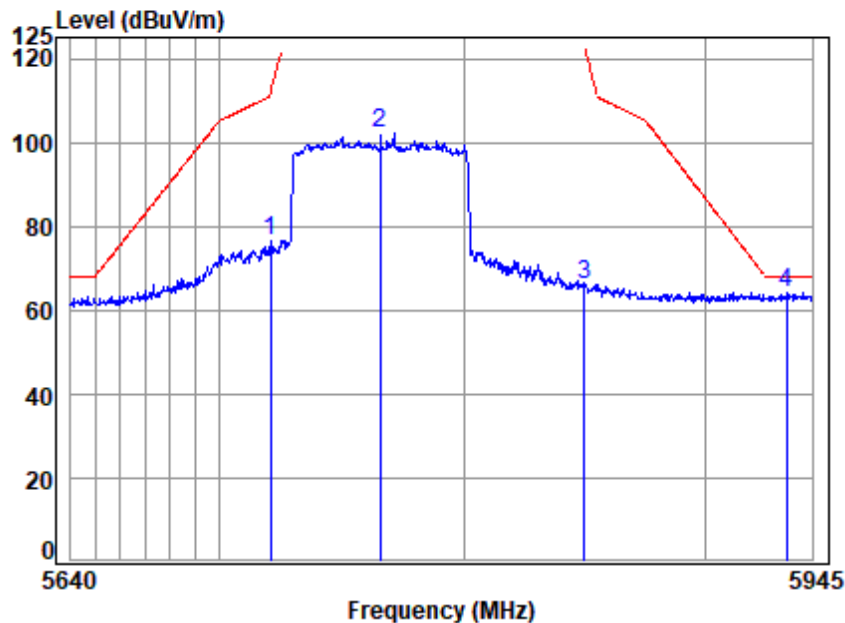
Test Mode: 40; Polarity: Vertical; Modulation: OFDM; Channel: High



Site : chamber
Condition: 3m VERTICAL
Job No : 01009AT\01010AT
Mode : 5819.5 Band edge
: SDR 60M

		Cable	Ant	Preamp	Read		Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5819.500	8.00	34.64	35.03	99.54	107.15	-----	-----	peak
2	5850.000	8.03	34.70	35.03	67.68	75.38	122.20	-46.82	peak
3	5860.000	8.04	34.72	35.03	65.98	73.71	109.40	-35.69	peak
4 q	5942.763	8.11	34.89	35.04	57.73	65.69	68.20	-2.51	peak

Test Mode: 42; Polarity: Horizontal; Modulation: OFDM; Channel: Low

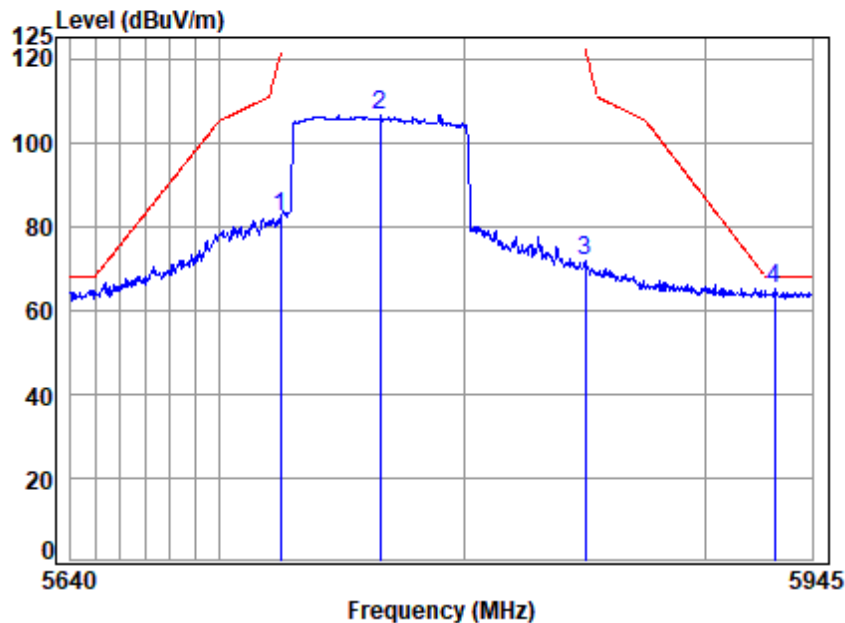


Site : chamber
Condition: 3m HORIZONTAL
Job No : 01009AT\01010AT
Mode : 5765.5 Band edge
: SDR 80M

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5720.472	7.91	34.50	35.02	69.06	76.45	111.88	-35.43 peak
2	5765.500	7.95	34.53	35.03	94.55	102.00	-----	----- peak
3	5849.650	8.03	34.70	35.03	58.58	66.28	-----	----- peak
4 q	5934.052	8.10	34.87	35.04	56.42	64.35	68.20	-3.85 peak



Test Mode: 42; Polarity: Vertical; Modulation: OFDM; Channel: Low

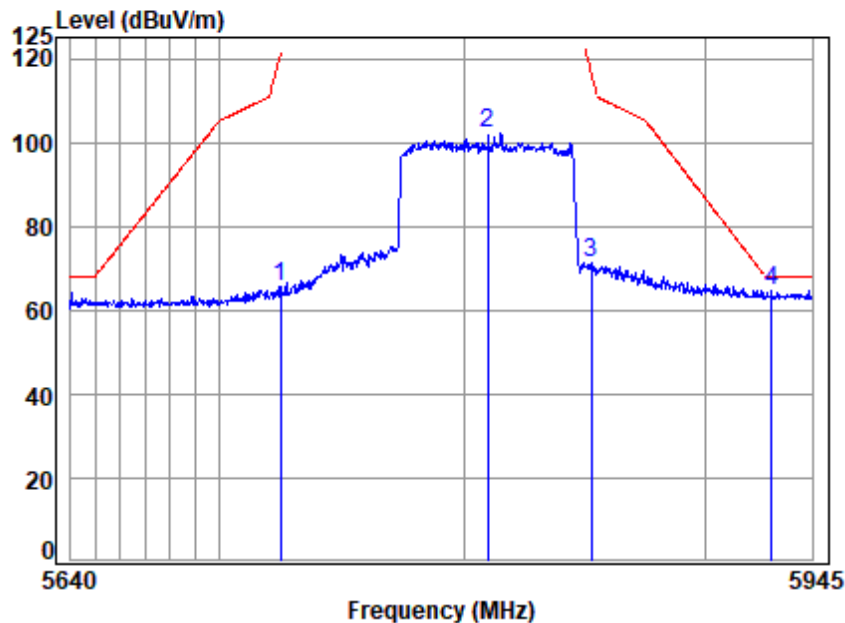


Site : chamber
Condition: 3m VERTICAL
Job No : 01009AT\01010AT
Mode : 5765.5 Band edge
: SDR 80M

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5724.691	7.92	34.50	35.02	75.01	82.41	121.50	-39.09 peak
2	5765.500	7.95	34.53	35.03	98.95	106.40	-----	----- peak
3	5849.958	8.03	34.70	35.03	64.26	71.96	-----	----- peak
4 q	5929.053	8.10	34.86	35.04	57.24	65.16	68.20	-3.04 peak



Test Mode: 42; Polarity: Horizontal; Modulation: OFDM; Channel: High



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01009AT\01010AT
Mode : 5809.5 Band edge
: SDR 80M

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5724.691	7.92	34.50	35.02	58.32	65.72	121.50	-55.78 peak
2	5809.500	7.99	34.62	35.03	94.83	102.41	-----	----- peak
3	5852.424	8.03	34.70	35.03	63.76	71.46	116.67	-45.21 peak
4 q	5927.804	8.10	34.86	35.04	56.58	64.50	68.20	-3.70 peak



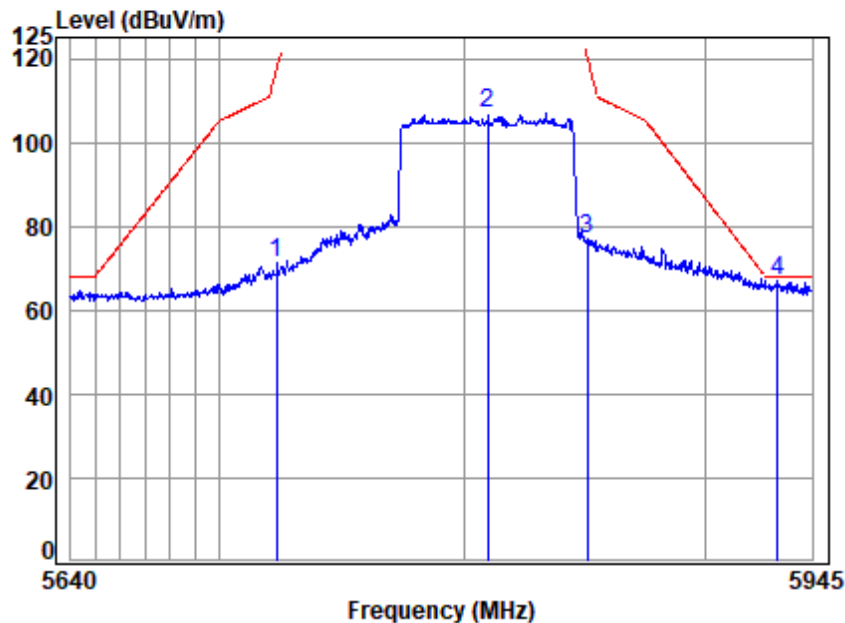
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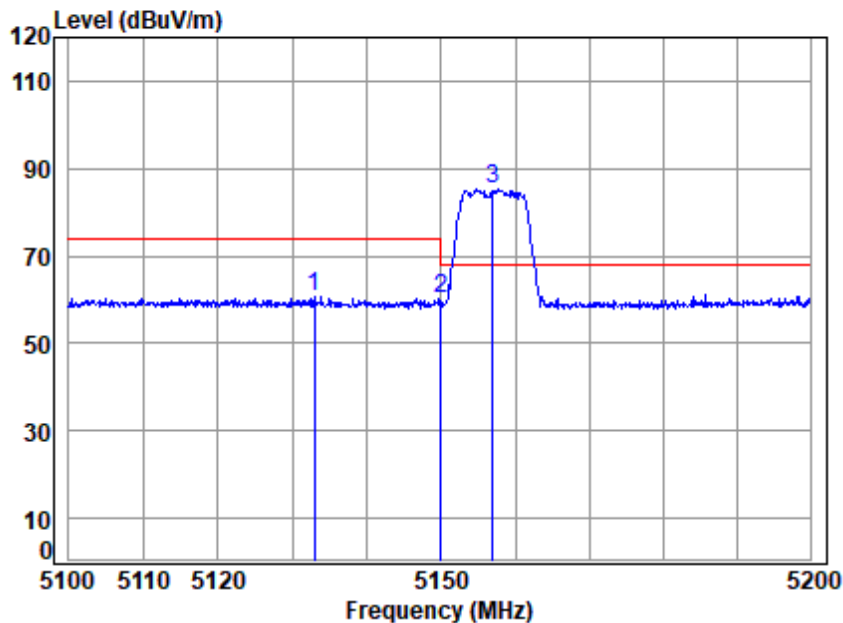
Test Mode: 42; Polarity: Vertical; Modulation: OFDM; Channel: High



Site : chamber
Condition: 3m VERTICAL
Job No : 01009AT\01010AT
Mode : 5809.5 Band edge
: SDR 80M

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5723.184	7.91	34.50	35.02	63.78	71.17	118.06	-46.89 peak
2	5809.500	7.99	34.62	35.03	99.27	106.85	-----	----- peak
3	5850.883	8.03	34.70	35.03	69.40	77.10	120.19	-43.09 peak
4 q	5930.302	8.10	34.86	35.04	58.89	66.81	68.20	-1.39 peak

Test Mode: 44; Polarity: Horizontal; Modulation: OFDM; Channel: Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01009AT\01010AT
Mode : 5157 Band edge
: SDR 10M

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5132.885	7.35	34.03	34.99	54.24	60.63	74.00	-13.37 peak
2	5149.980	7.36	34.00	34.99	53.98	60.35	74.00	-13.65 peak
3 q	5157.000	7.37	34.00	34.99	78.83	85.21	68.20	17.01 peak



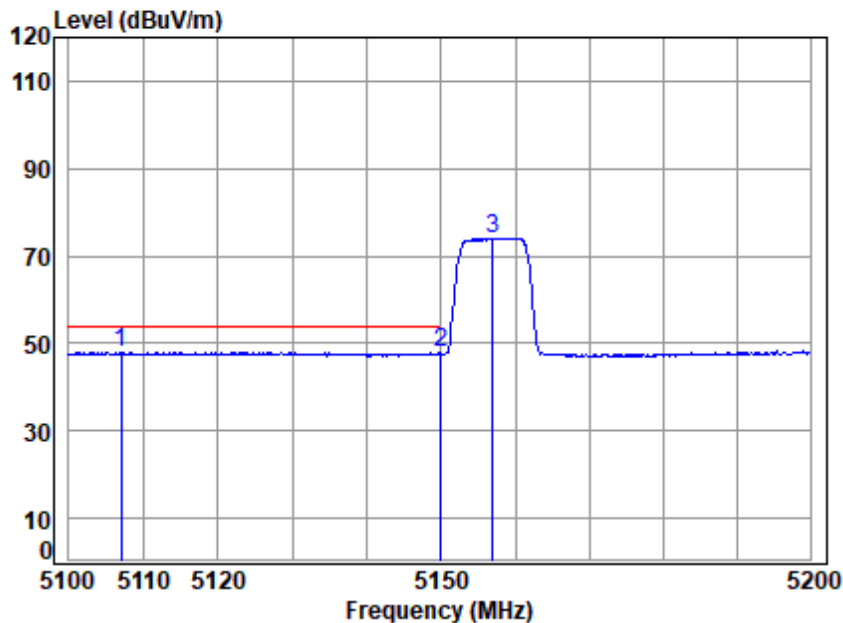
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Test Mode: 44; Polarity: Horizontal; Modulation: OFDM; Channel: Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01009AT\01010AT
Mode : 5157 Band edge
: SDR 10M

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 q 5107.036		7.32	34.09	34.99	41.61	48.03	54.00	-5.97 Average
2 5149.980		7.36	34.00	34.99	41.46	47.83	54.00	-6.17 Average
3 5157.000		7.37	34.00	34.99	67.68	74.06	-----	----- Average



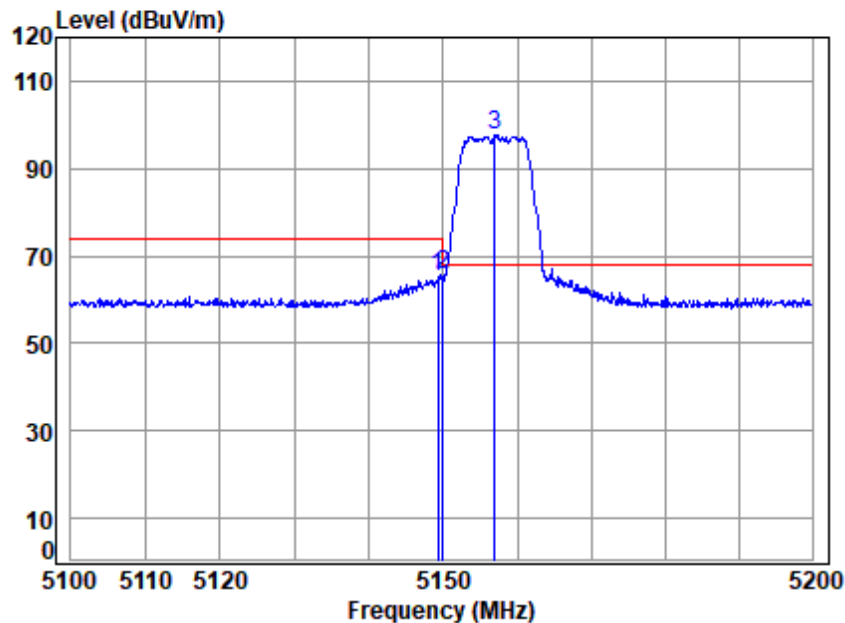
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Test Mode: 44; Polarity: Vertical; Modulation: OFDM; Channel: Low



Site : chamber
Condition: 3m VERTICAL
Job No : 01009AT\01010AT
Mode : 5157 Band edge
: SDR 10M

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5149.257	7.36	34.00	34.99	58.78	65.15	74.00	-8.85	Peak
2	5149.980	7.36	34.00	34.99	59.23	65.60	74.00	-8.40	Peak
3 q	5157.000	7.37	34.00	34.99	91.36	97.74	68.20	29.54	Peak



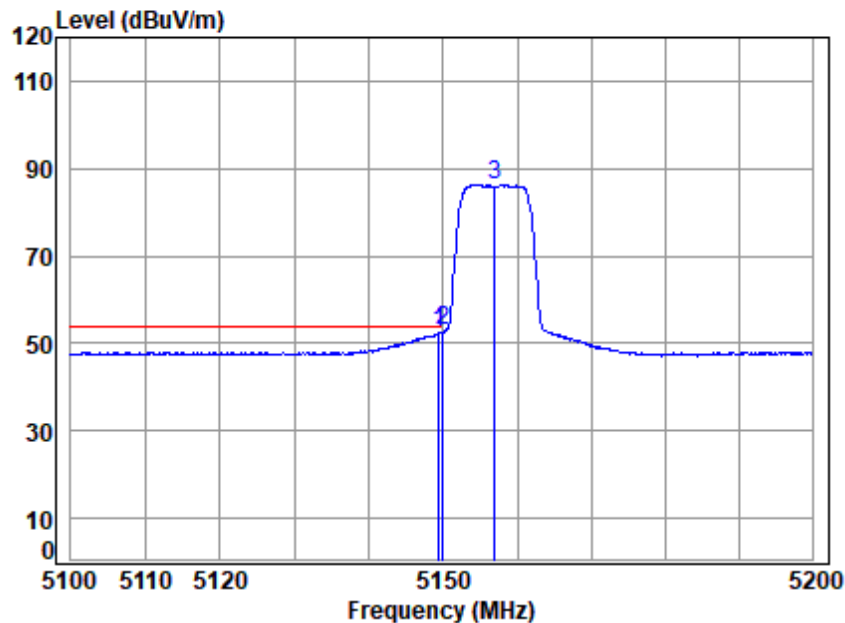
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Test Mode: 44; Polarity: Vertical; Modulation: OFDM; Channel: Low



Site : chamber
Condition: 3m VERTICAL
Job No : 01009AT\01010AT
Mode : 5157 Band edge
: SDR 10M

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5149.458	7.36	34.00	34.99	45.95	52.32	54.00	-1.68 Average
2 q	5149.980	7.36	34.00	34.99	46.51	52.88	54.00	-1.12 Average
3	5157.000	7.37	34.00	34.99	79.94	86.32	-----	----- Average



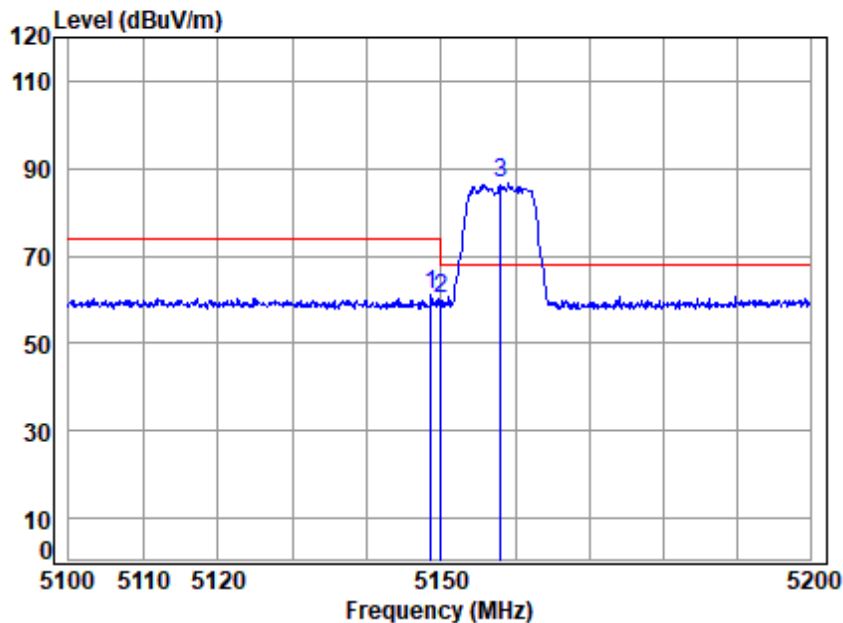
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Test Mode: 44; Polarity: Horizontal; Modulation: OFDM; Channel: Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01009AT\01010AT
Mode : 5158 Band edge
: SDR 10M

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5148.657	7.36	34.00	34.99	54.93	61.30	74.00	-12.70 peak
2	5149.980	7.36	34.00	34.99	53.77	60.14	74.00	-13.86 peak
3 q	5158.000	7.37	34.00	34.99	80.13	86.51	68.20	18.31 peak

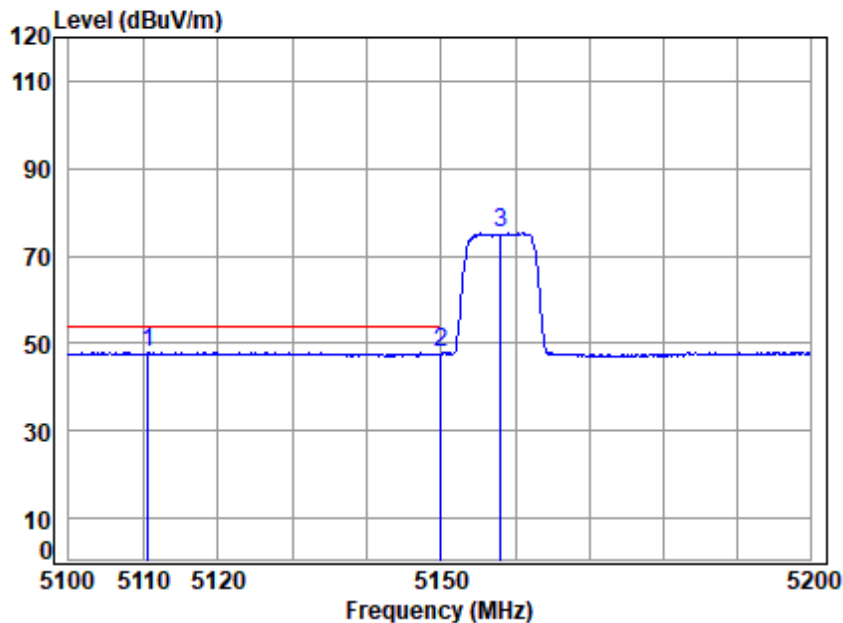


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Test Mode: 44; Polarity: Horizontal; Modulation: OFDM; Channel: Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01009AT\01010AT
Mode : 5158 Band edge
: SDR 10M

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 q 5110.607		7.32	34.08	34.99	41.58	47.99	54.00	-6.01 Average
2 5149.980		7.36	34.00	34.99	41.32	47.69	54.00	-6.31 Average
3 5158.000		7.37	34.00	34.99	68.86	75.24	-----	----- Average

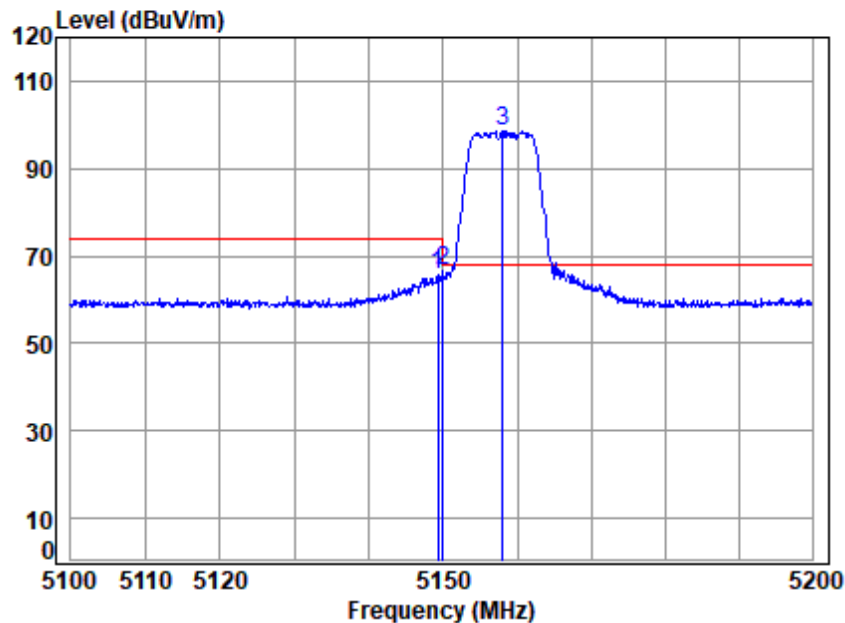


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Test Mode: 44; Polarity: Vertical; Modulation: OFDM; Channel: Low



Site : chamber
Condition: 3m VERTICAL
Job No : 01009AT\01010AT
Mode : 5158 Band edge
: SDR 10M

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5149.257	7.36	34.00	34.99	59.43	65.80	74.00	-8.20	Peak
2	5149.980	7.36	34.00	34.99	60.23	66.60	74.00	-7.40	Peak
3 q	5158.000	7.37	34.00	34.99	92.34	98.72	68.20	30.52	Peak



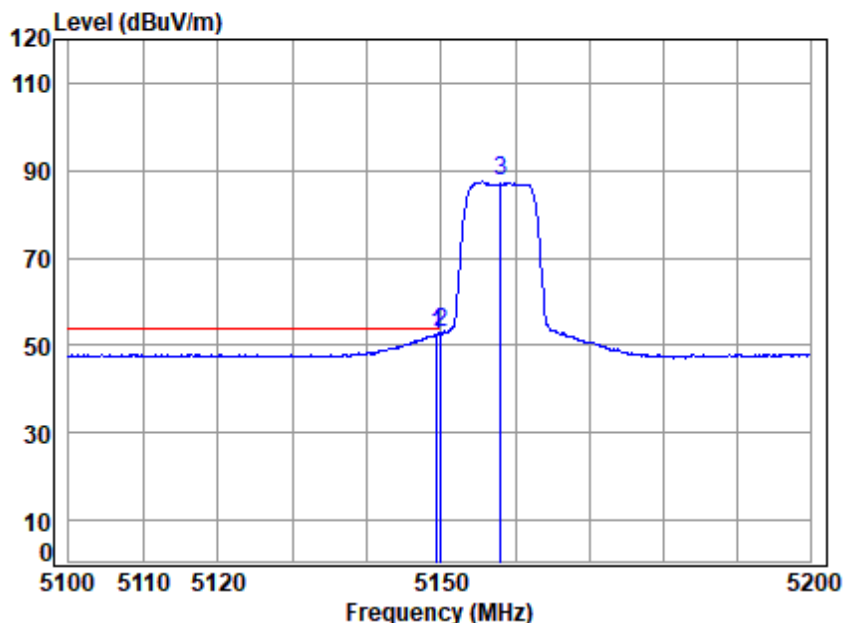
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Test Mode: 44; Polarity: Vertical; Modulation: OFDM; Channel: Low



Site : chamber
Condition: 3m VERTICAL
Job No : 01009AT\01010AT
Mode : 5158 Band edge
: SDR 10M

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5149.357	7.36	34.00	34.99	46.19	52.56	54.00	-1.44 Average
2 q	5149.980	7.36	34.00	34.99	46.62	52.99	54.00	-1.01 Average
3	5158.000	7.37	34.00	34.99	81.14	87.52	-----	----- Average

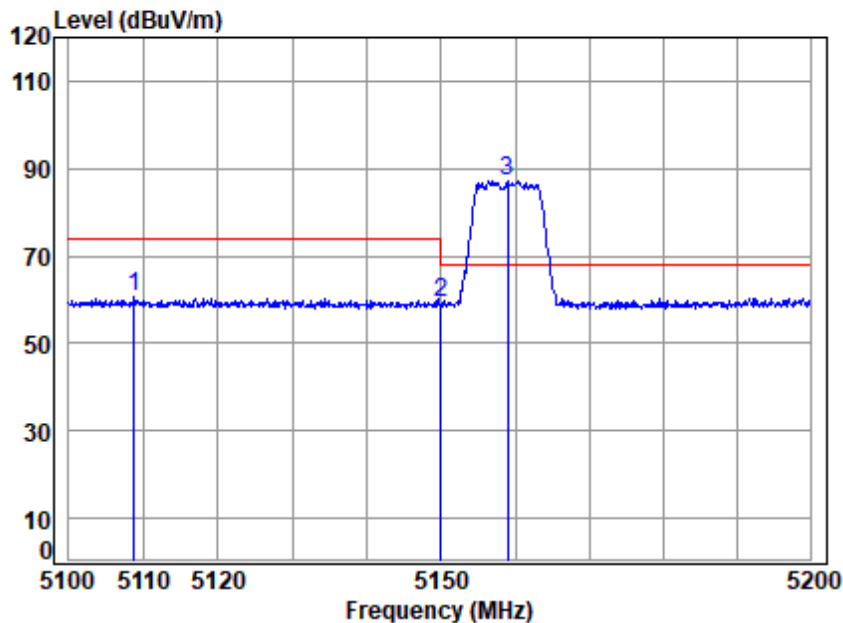


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Test Mode: 44; Polarity: Horizontal; Modulation: OFDM; Channel: Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01009AT\01010AT
Mode : 5159 Band edge
: SDR 10M

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5108.722	7.32	34.08	34.99	54.32	60.73	74.00	-13.27 peak
2	5149.980	7.36	34.00	34.99	52.74	59.11	74.00	-14.89 peak
3 q	5159.000	7.37	34.00	34.99	80.99	87.37	68.20	19.17 peak

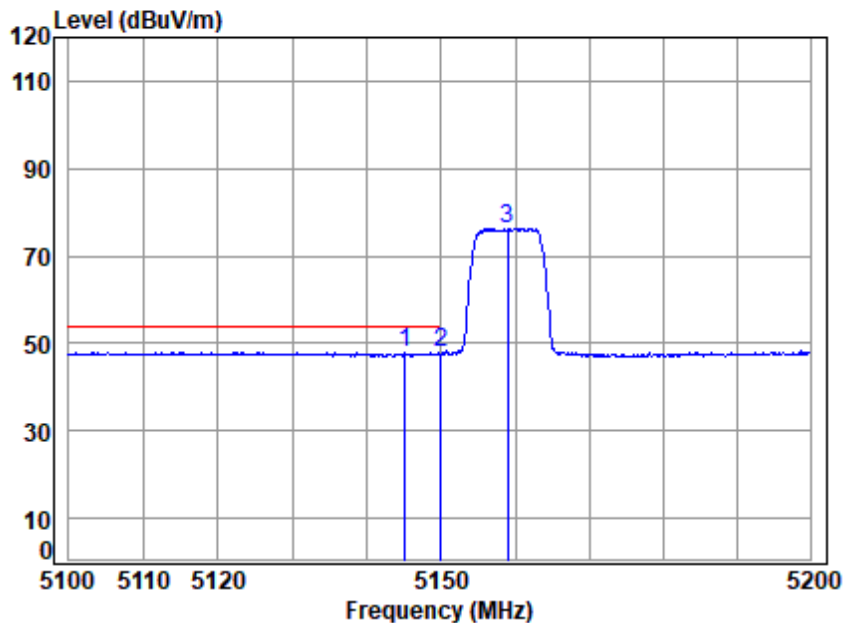


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Test Mode: 44; Polarity: Horizontal; Modulation: OFDM; Channel: Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01009AT\01010AT
Mode : 5159 Band edge
: SDR 10M

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 q 5145.060		7.36	34.01	34.99	41.69	48.07	54.00	-5.93 Average
2 5149.980		7.36	34.00	34.99	41.65	48.02	54.00	-5.98 Average
3 5159.000		7.37	34.00	34.99	69.92	76.30	-----	----- Average

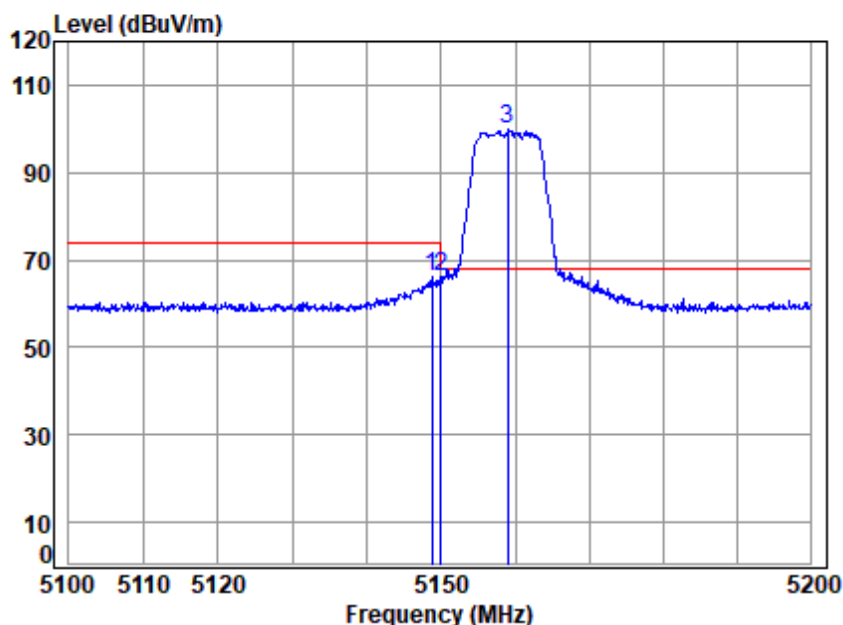


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Test Mode: 44; Polarity: Vertical; Modulation: OFDM; Channel: Low

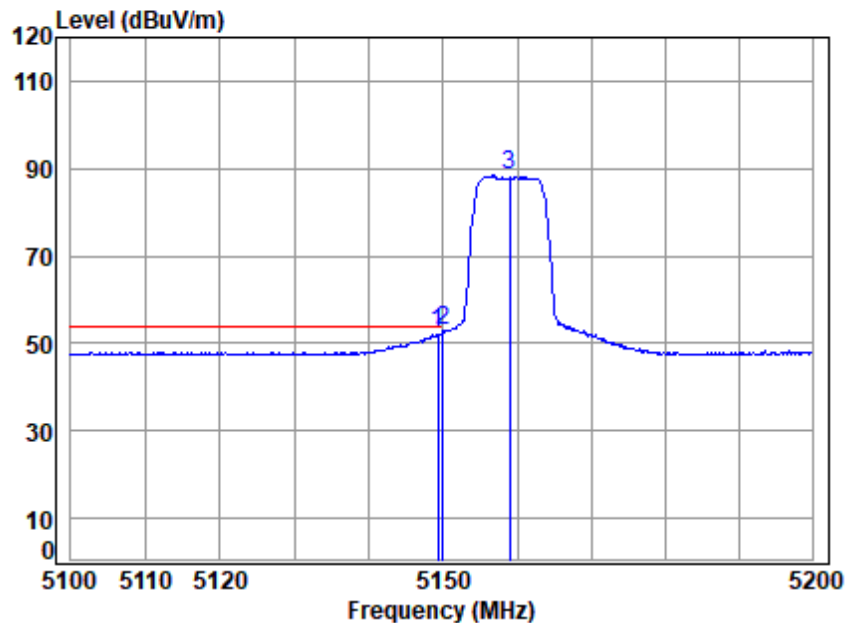


Site : chamber
Condition: 3m VERTICAL
Job No : 01009AT\01010AT
Mode : 5159 Band edge
: SDR 10M

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5148.757	7.36	34.00	34.99	59.92	66.29	74.00	-7.71 Peak
2	5149.980	7.36	34.00	34.99	59.96	66.33	74.00	-7.67 Peak
3 q	5159.000	7.37	34.00	34.99	93.50	99.88	68.20	31.68 Peak



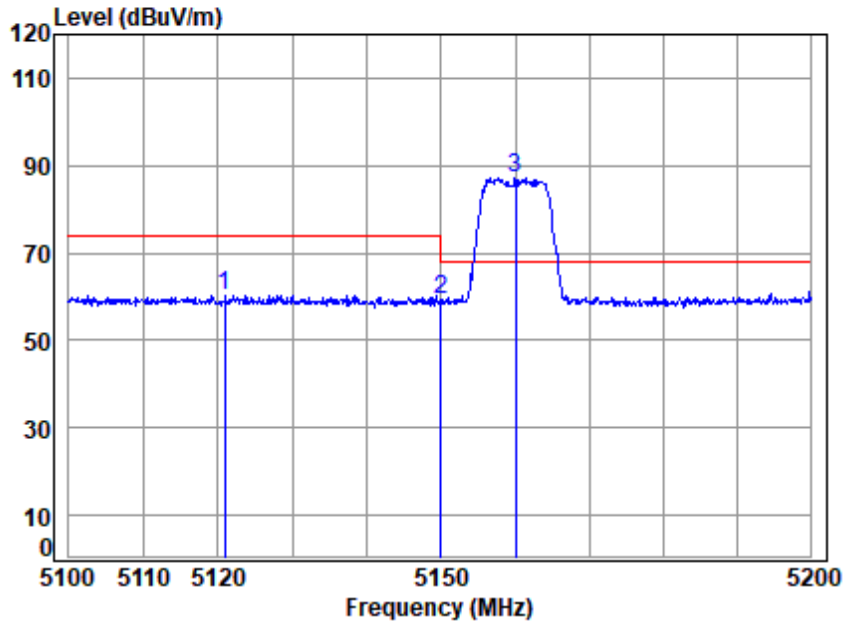
Test Mode: 44; Polarity: Vertical; Modulation: OFDM; Channel: Low



Site : chamber
Condition: 3m VERTICAL
Job No : 01009AT\01010AT
Mode : 5159 Band edge
: SDR 10M

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Line	Limit	Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5149.257	7.36	34.00	34.99	46.03	52.40	54.00	-1.60 Average
2 q	5149.980	7.36	34.00	34.99	46.45	52.82	54.00	-1.18 Average
3	5159.000	7.37	34.00	34.99	82.05	88.43	-----	----- Average

Test Mode: 44; Polarity: Horizontal; Modulation: OFDM; Channel: Low

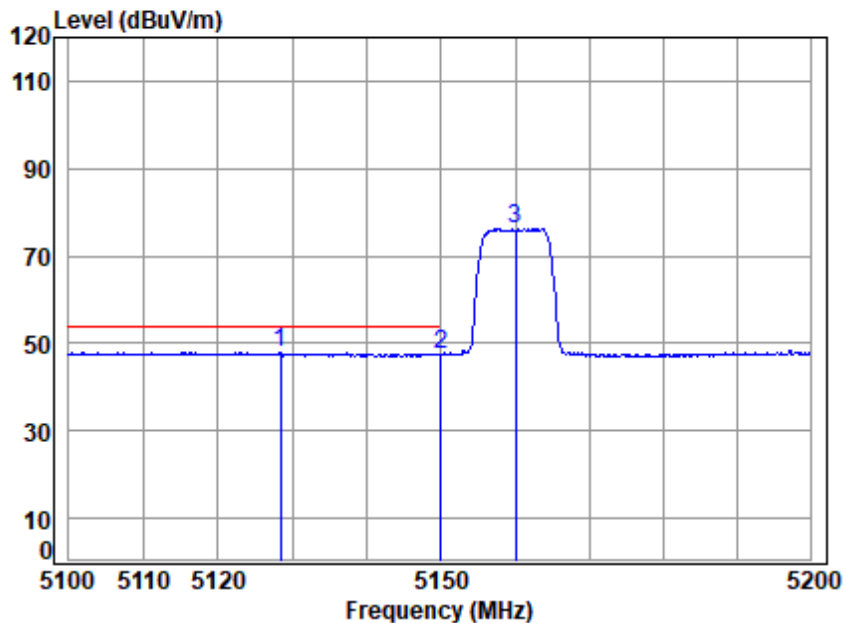


Site : chamber
Condition: 3m HORIZONTAL
Job No : 01009AT\01010AT
Mode : 5160 Band edge
: SDR 10M

		Cable	Ant	Preamp	Read		Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5120.938	7.33	34.06	34.99	53.87	60.27	74.00	-13.73	peak
2	5149.980	7.36	34.00	34.99	52.87	59.24	74.00	-14.76	peak
3 q	5160.000	7.37	34.00	34.99	80.85	87.23	68.20	19.03	peak



Test Mode: 44; Polarity: Horizontal; Modulation: OFDM; Channel: Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01009AT\01010AT
Mode : 5160 Band edge
: SDR 10M

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 q 5128.402		7.34	34.04	34.99	41.64	48.03	54.00	-5.97 Average
2 5149.980		7.36	34.00	34.99	41.12	47.49	54.00	-6.51 Average
3 5160.000		7.37	34.00	34.99	69.99	76.37	-----	----- Average



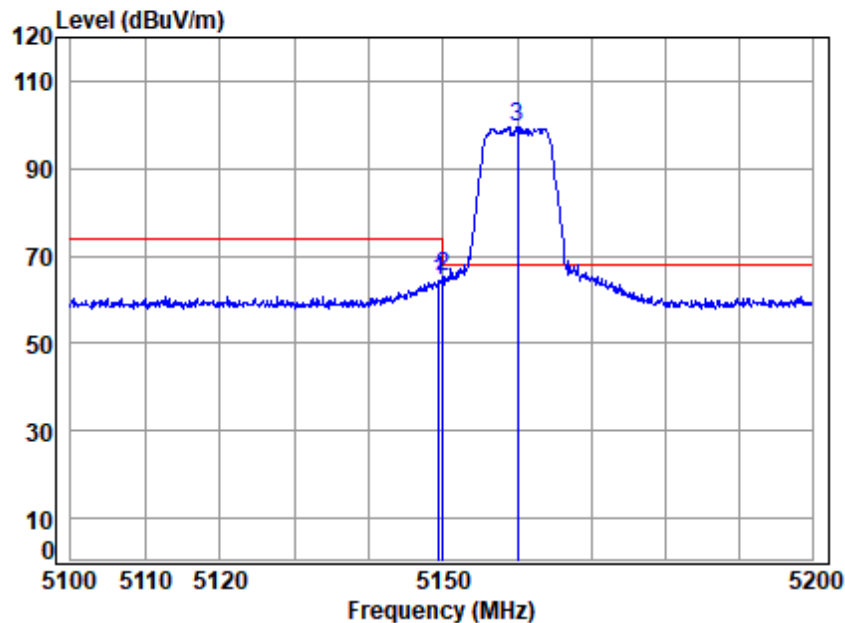
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Test Mode: 44; Polarity: Vertical; Modulation: OFDM; Channel: Low



Site : chamber
Condition: 3m VERTICAL
Job No : 01009AT\01010AT
Mode : 5160 Band edge
: SDR 10M

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5149.458	7.36	34.00	34.99	58.06	64.43	74.00	-9.57 Peak
2	5149.980	7.36	34.00	34.99	58.88	65.25	74.00	-8.75 Peak
3 q	5160.000	7.37	34.00	34.99	93.31	99.69	68.20	31.49 Peak



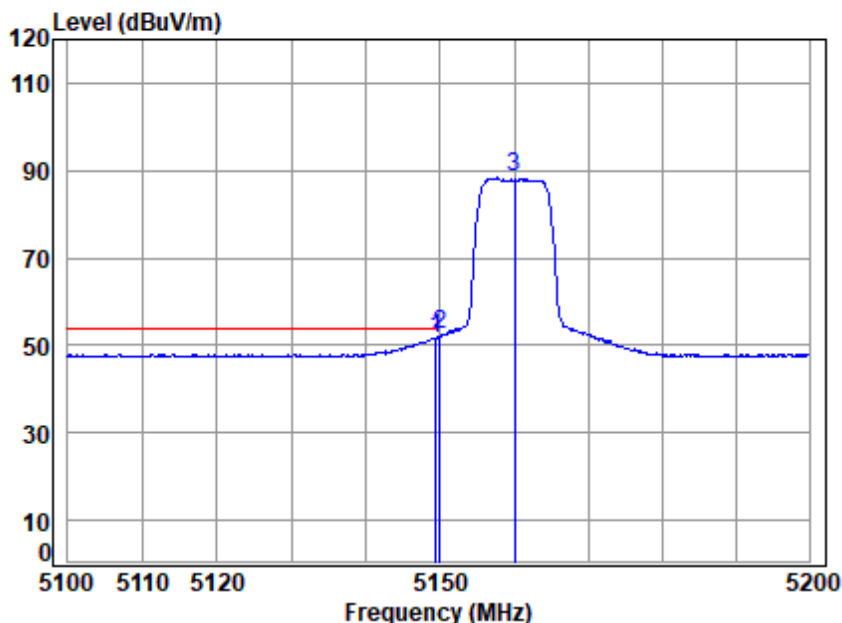
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Test Mode: 44; Polarity: Vertical; Modulation: OFDM; Channel: Low



Site : chamber
Condition: 3m VERTICAL
Job No : 01009AT\01010AT
Mode : 5160 Band edge
: SDR 10M

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5149.458	7.36	34.00	34.99	45.36	51.73	54.00	-2.27 Average
2 q	5149.980	7.36	34.00	34.99	45.95	52.32	54.00	-1.68 Average
3	5160.000	7.37	34.00	34.99	81.94	88.32	-----	----- Average

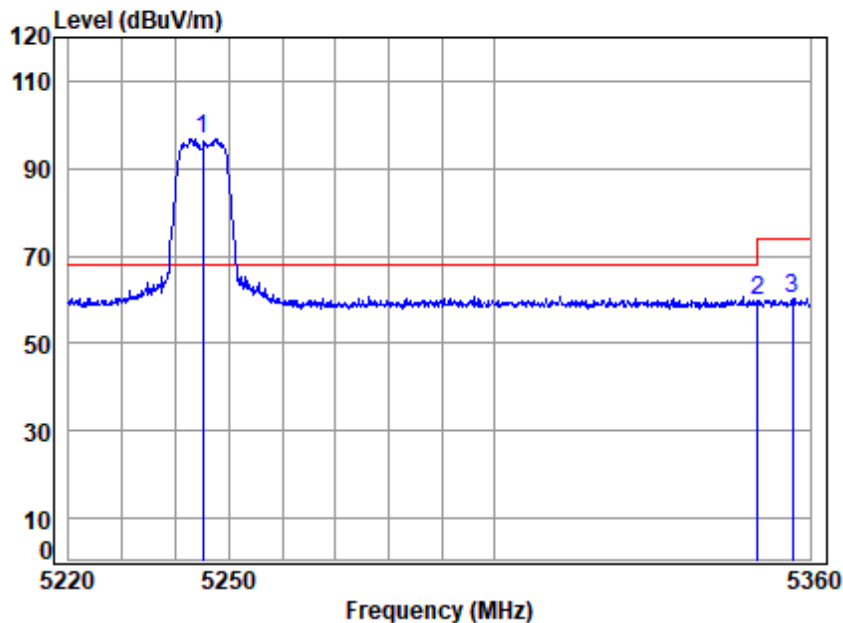


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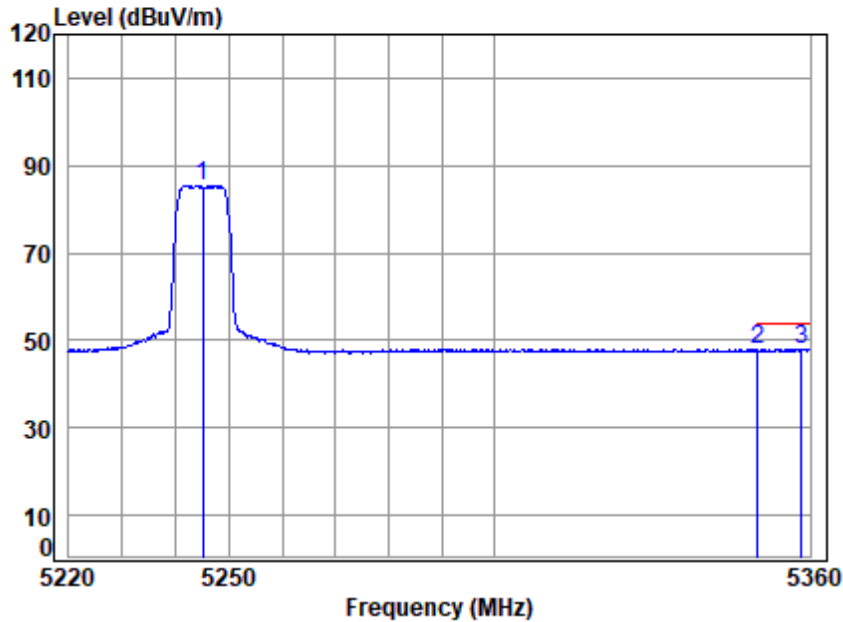
Test Mode: 44; Polarity: Horizontal; Modulation: OFDM; Channel: High



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01009AT\01010AT
Mode : 5245 Band edge
: SDR 10M

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 q 5245.000		7.46	34.00	35.00	90.47	96.93	68.20	28.73 peak
2 5350.020		7.56	34.30	35.00	52.98	59.84	74.00	-14.16 peak
3 5356.738		7.57	34.33	35.00	53.48	60.38	74.00	-13.62 peak

Test Mode: 44; Polarity: Horizontal; Modulation: OFDM; Channel: High

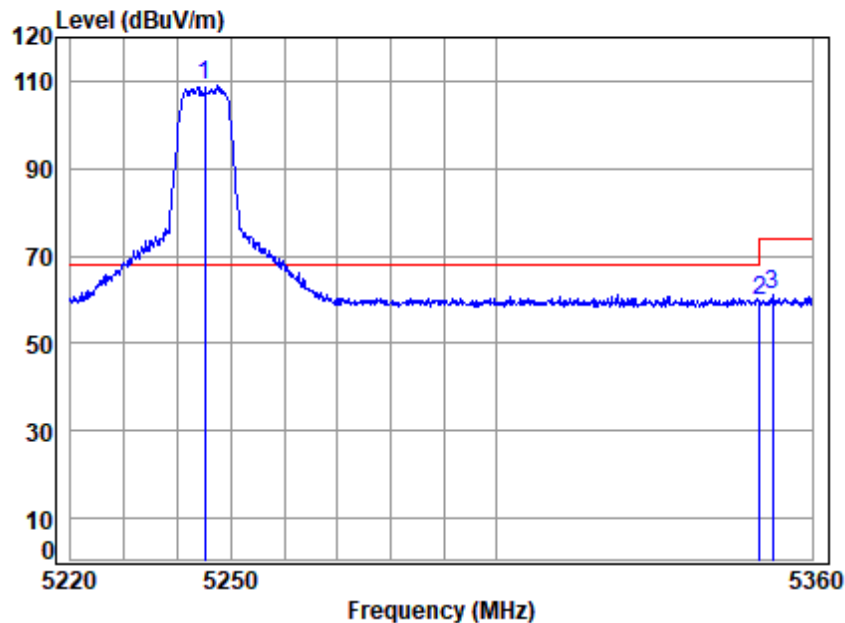


Site : chamber
Condition: 3m HORIZONTAL
Job No : 01009AT\01010AT
Mode : 5245 Band edge
: SDR 10M

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5245.000	7.46	34.00	35.00	79.07	85.53	-----	----- Average
2 q	5350.020	7.56	34.30	35.00	41.21	48.07	54.00	-5.93 Average
3	5358.298	7.57	34.33	35.00	41.13	48.03	54.00	-5.97 Average



Test Mode: 44; Polarity: Vertical; Modulation: OFDM; Channel: High



Site : chamber
Condition: 3m VERTICAL
Job No : 01009AT\01010AT
Mode : 5245 Band edge
: SDR 10M

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 q 5245.000		7.46	34.00	35.00	102.41	108.87	68.20	40.67 Peak
2 5350.020		7.56	34.30	35.00	52.75	59.61	74.00	-14.39 Peak
3 5352.487		7.56	34.31	35.00	54.10	60.97	74.00	-13.03 Peak

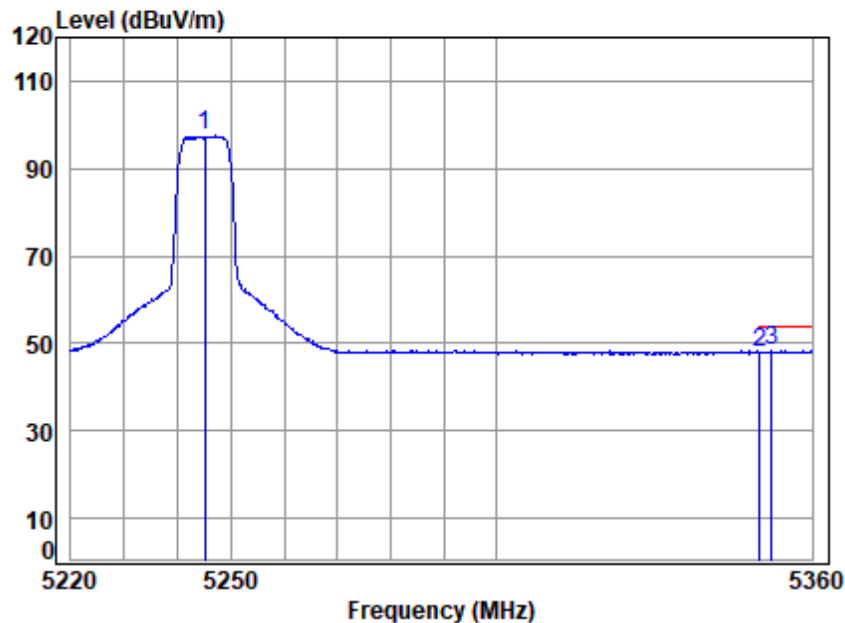


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Test Mode: 44; Polarity: Vertical; Modulation: OFDM; Channel: High



Site : chamber
Condition: 3m VERTICAL
Job No : 01009AT\01010AT
Mode : 5245 Band edge
: SDR 10M

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5245.000	7.46	34.00	35.00	90.96	97.42	-----	----- Average
2	5350.020	7.56	34.30	35.00	41.08	47.94	54.00	-6.06 Average
3 q	5352.345	7.56	34.31	35.00	41.43	48.30	54.00	-5.70 Average



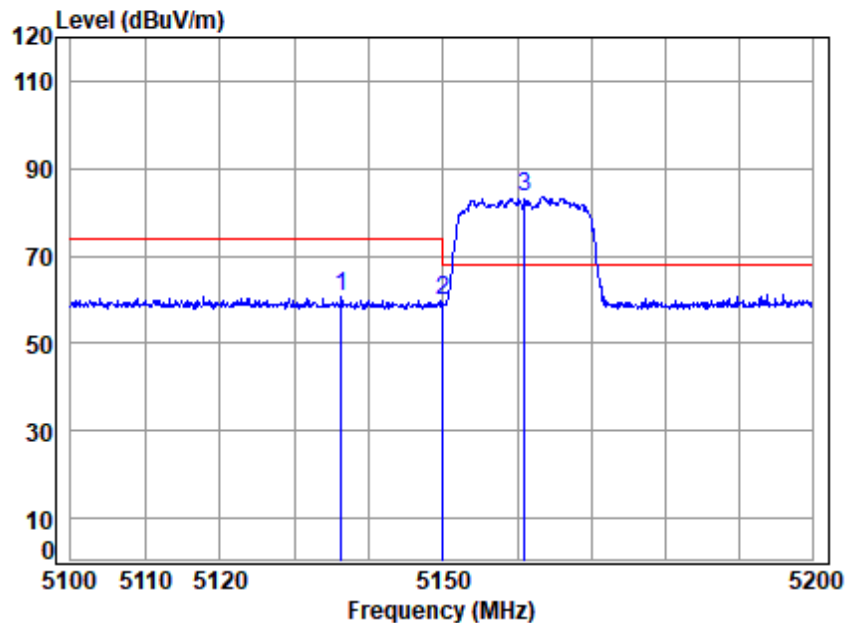
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Test Mode: 46; Polarity: Horizontal; Modulation: OFDM; Channel: Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01009AT\01010AT
Mode : 5161 Band edge
: SDR 20M

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5136.275	7.35	34.03	34.99	54.21	60.60	74.00	-13.40 peak
2	5149.980	7.36	34.00	34.99	53.23	59.60	74.00	-14.40 peak
3 q	5161.000	7.38	34.00	34.99	77.32	83.71	68.20	15.51 peak

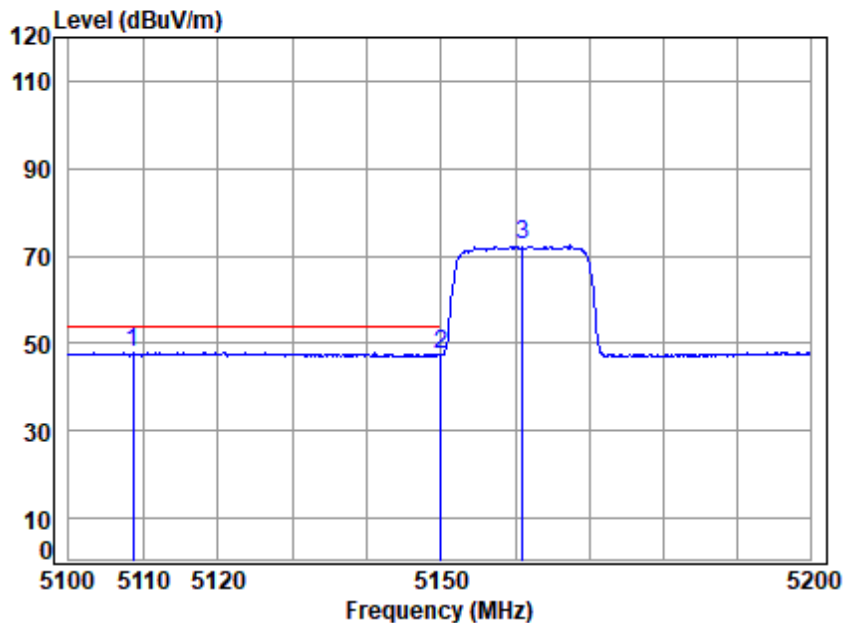


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Test Mode: 46; Polarity: Horizontal; Modulation: OFDM; Channel: Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01009AT\01010AT
Mode : 5161 Band edge
: SDR 20M

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 q 5108.623		7.32	34.08	34.99	41.66	48.07	54.00	-5.93 Average
2 5149.980		7.36	34.00	34.99	41.03	47.40	54.00	-6.60 Average
3 5161.000		7.38	34.00	34.99	65.99	72.38	-----	----- Average



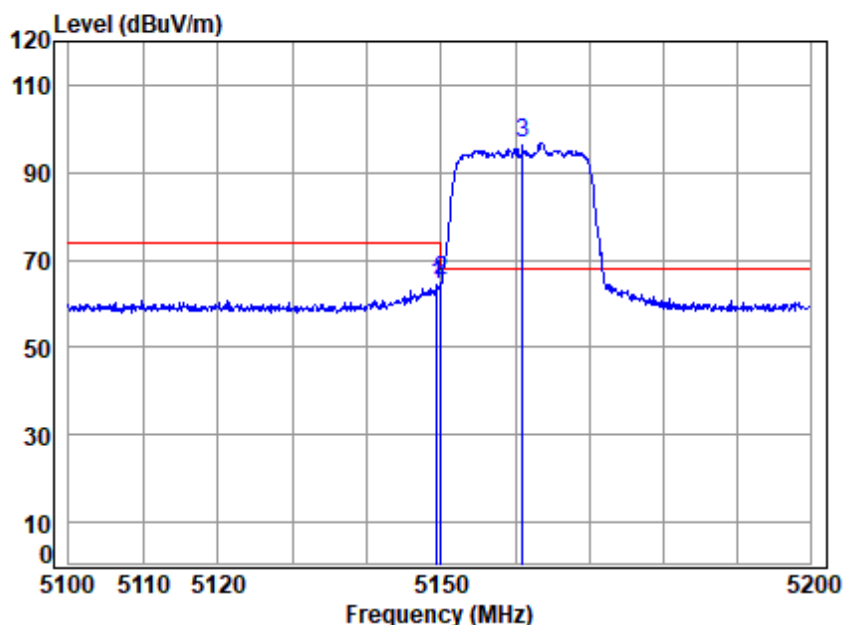
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Test Mode: 46; Polarity: Vertical; Modulation: OFDM; Channel: Low



Site : chamber
Condition: 3m VERTICAL
Job No : 01009AT\01010AT
Mode : 5161 Band edge
: SDR 20M

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5149.458	7.36	34.00	34.99	58.01	64.38	74.00	-9.62 Peak
2	5149.980	7.36	34.00	34.99	58.67	65.04	74.00	-8.96 Peak
3 q	5161.000	7.38	34.00	34.99	90.44	96.83	68.20	28.63 Peak



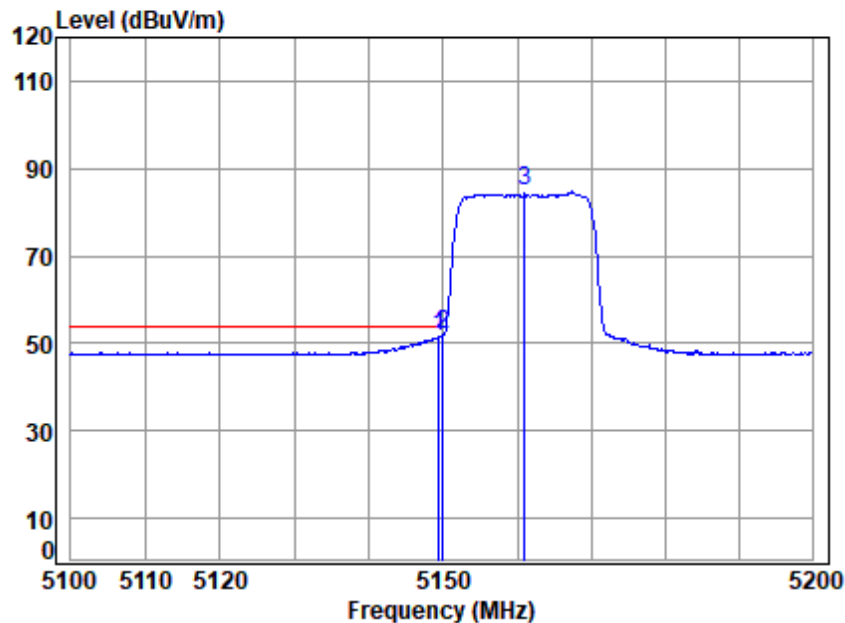
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中国·广东·深圳市南山区科技园中区M-10栋1号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

Test Mode: 46; Polarity: Vertical; Modulation: OFDM; Channel: Low



Site : chamber
Condition: 3m VERTICAL
Job No : 01009AT\01010AT
Mode : 5161 Band edge
: SDR 20M

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Line	Limit	Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5149.458	7.36	34.00	34.99	45.17	51.54	54.00	-2.46 Average
2 q	5149.980	7.36	34.00	34.99	45.87	52.24	54.00	-1.76 Average
3	5161.000	7.38	34.00	34.99	78.30	84.69	-----	----- Average



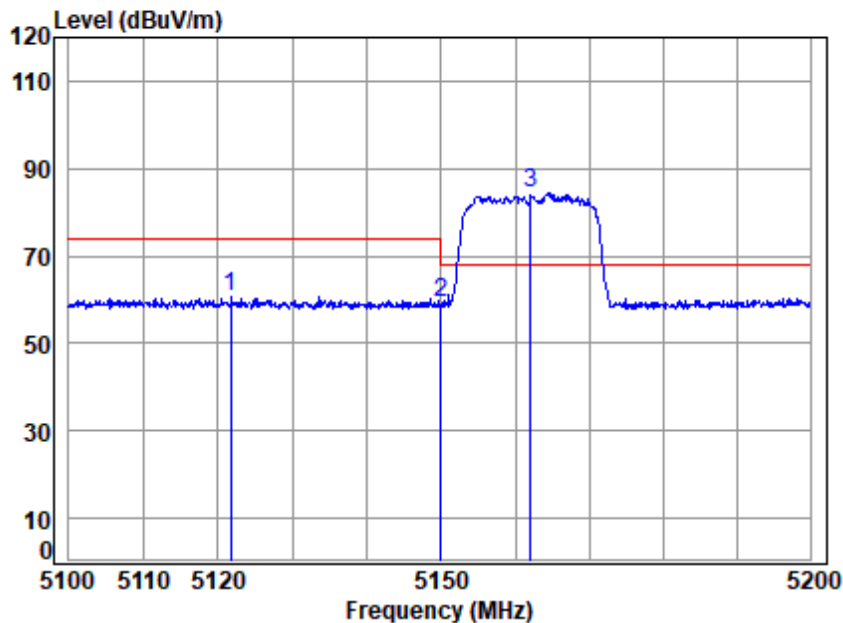
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Test Mode: 46; Polarity: Horizontal; Modulation: OFDM; Channel: Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01009AT\01010AT
Mode : 5162 Band edge
: SDR 20M

		Cable	Ant	Preamp	Read		Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5121.734	7.34	34.06	34.99	54.44	60.85	74.00	-13.15	peak
2	5149.980	7.36	34.00	34.99	53.09	59.46	74.00	-14.54	peak
3 q	5162.000	7.38	34.00	34.99	78.21	84.60	68.20	16.40	peak

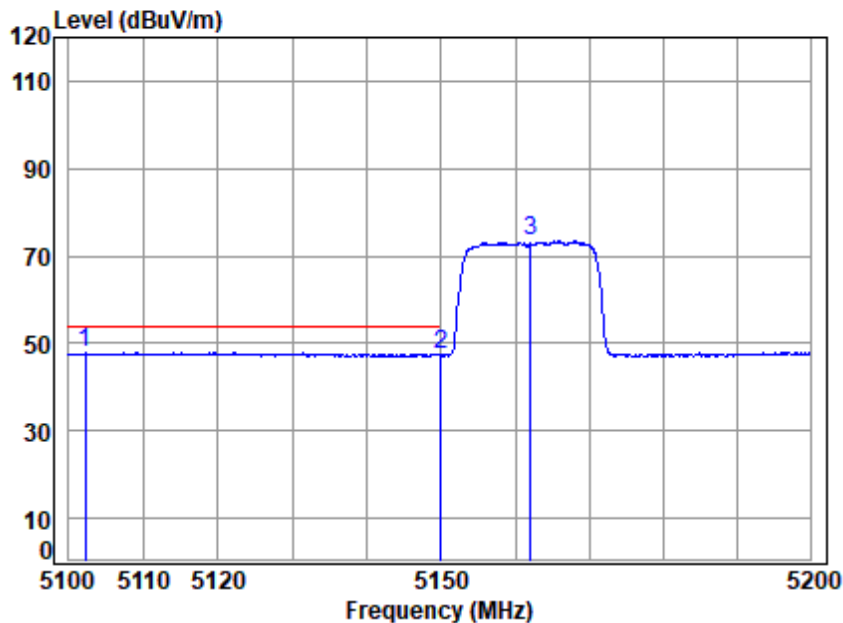


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Test Mode: 46; Polarity: Horizontal; Modulation: OFDM; Channel: Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01009AT\01010AT
Mode : 5162 Band edge
: SDR 20M

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 q 5102.278		7.32	34.10	34.99	41.41	47.84	54.00	-6.16 Average
2 5149.980		7.36	34.00	34.99	41.15	47.52	54.00	-6.48 Average
3 5162.000		7.38	34.00	34.99	66.91	73.30	-----	----- Average



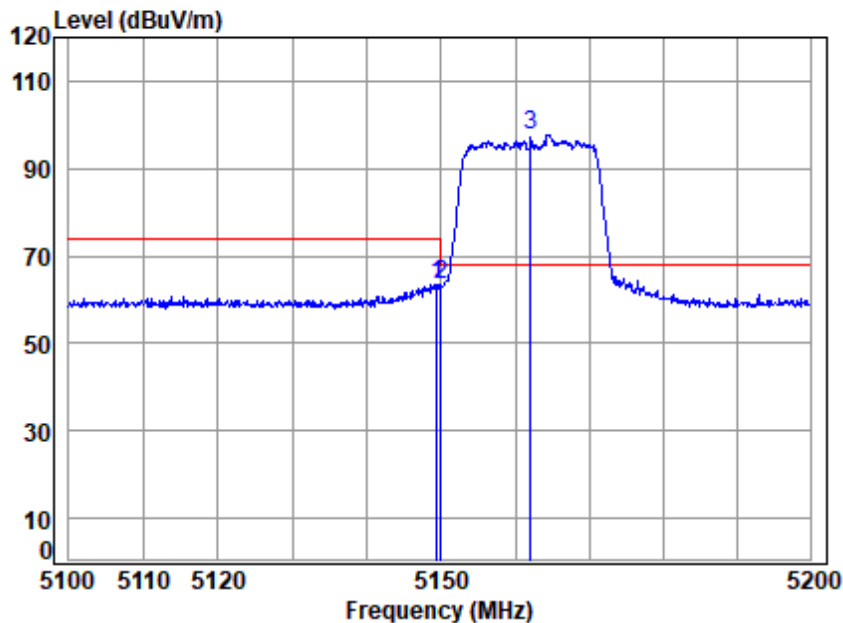
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Test Mode: 46; Polarity: Vertical; Modulation: OFDM; Channel: Low



Site : chamber
Condition: 3m VERTICAL
Job No : 01009AT\01010AT
Mode : 5162 Band edge
: SDR 20M

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5149.458	7.36	34.00	34.99	57.19	63.56	74.00	-10.44 Peak
2	5149.980	7.36	34.00	34.99	57.23	63.60	74.00	-10.40 Peak
3 q	5162.000	7.38	34.00	34.99	91.40	97.79	68.20	29.59 Peak



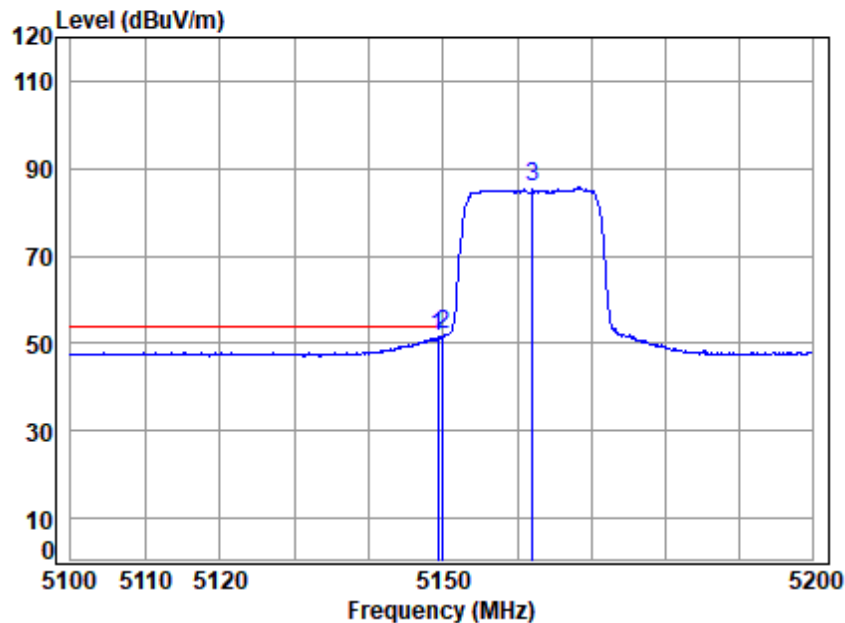
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Test Mode: 46; Polarity: Vertical; Modulation: OFDM; Channel: Low



Site : chamber
Condition: 3m VERTICAL
Job No : 01009AT\01010AT
Mode : 5162 Band edge
: SDR 20M

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5149.257	7.36	34.00	34.99	44.99	51.36	54.00	-2.64 Average
2 q	5149.980	7.36	34.00	34.99	45.45	51.82	54.00	-2.18 Average
3	5162.000	7.38	34.00	34.99	79.33	85.72	-----	----- Average

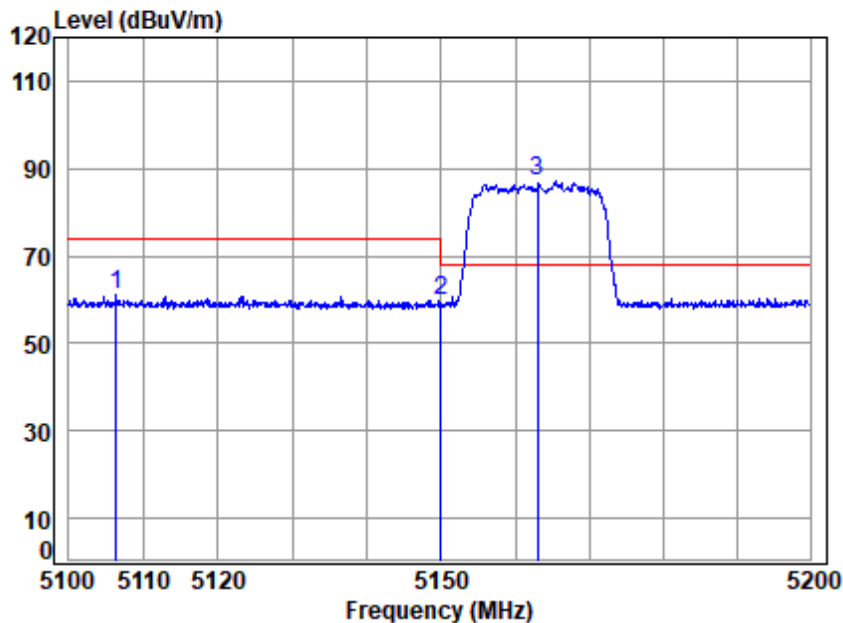


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Test Mode: 46; Polarity: Horizontal; Modulation: OFDM; Channel: Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01009AT\01010AT
Mode : 5163 Band edge
: SDR 20M

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Line	Limit	Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5106.342	7.32	34.09	34.99	54.71	61.13	74.00	-12.87 peak
2	5149.980	7.36	34.00	34.99	53.60	59.97	74.00	-14.03 peak
3 q	5163.000	7.38	34.00	34.99	80.69	87.08	68.20	18.88 peak

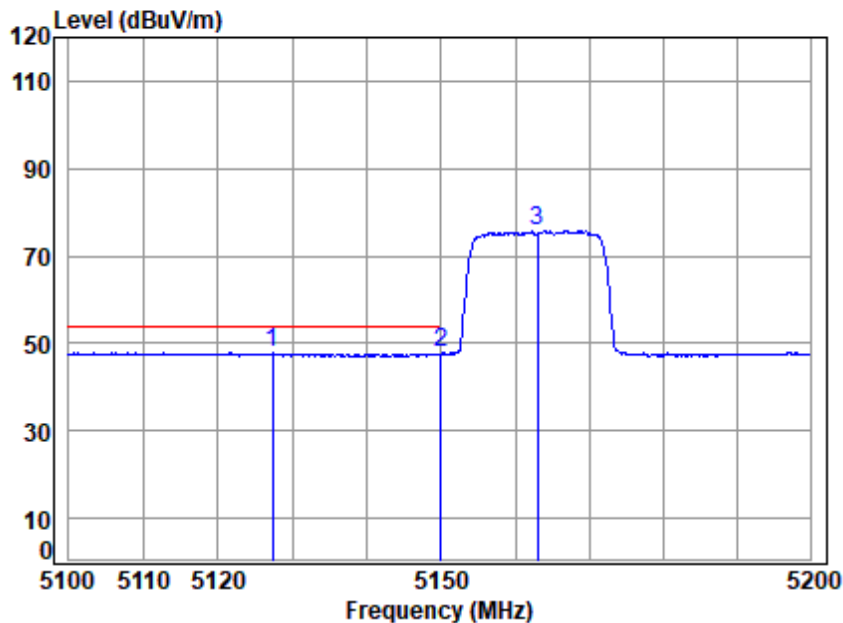


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Test Mode: 46; Polarity: Horizontal; Modulation: OFDM; Channel: Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01009AT\01010AT
Mode : 5163 Band edge
: SDR 20M

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Line	Limit	Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 q 5127.307		7.34	34.05	34.99	41.50	47.90	54.00	-6.10 Average
2 5149.980		7.36	34.00	34.99	41.37	47.74	54.00	-6.26 Average
3 5163.000		7.38	34.00	34.99	69.37	75.76	-----	----- Average



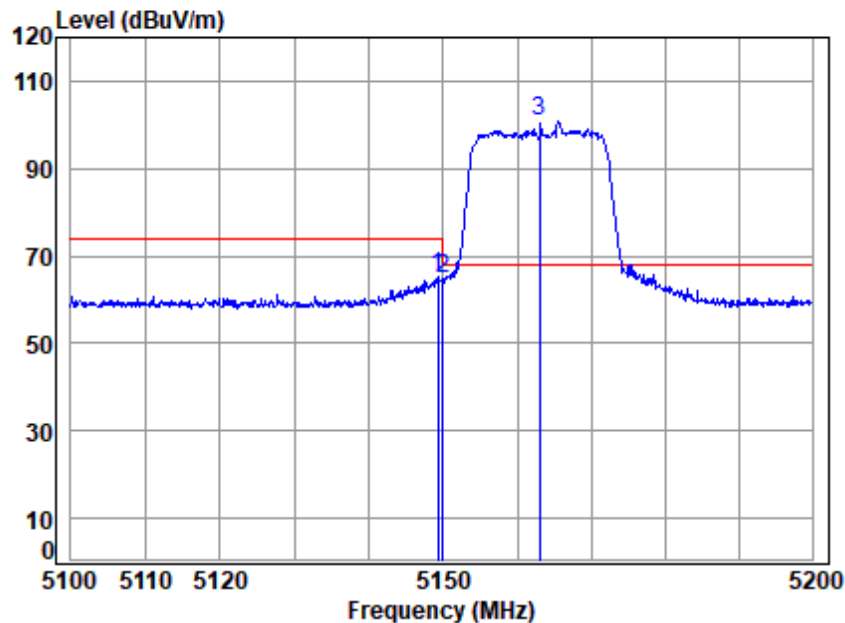
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Test Mode: 46; Polarity: Vertical; Modulation: OFDM; Channel: Low



Site : chamber
Condition: 3m VERTICAL
Job No : 01009AT\01010AT
Mode : 5163 Band edge
: SDR 20M

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5149.257	7.36	34.00	34.99	58.70	65.07	74.00	-8.93 Peak
2	5149.980	7.36	34.00	34.99	58.59	64.96	74.00	-9.04 Peak
3 q	5163.000	7.38	34.00	34.99	94.25	100.64	68.20	32.44 Peak



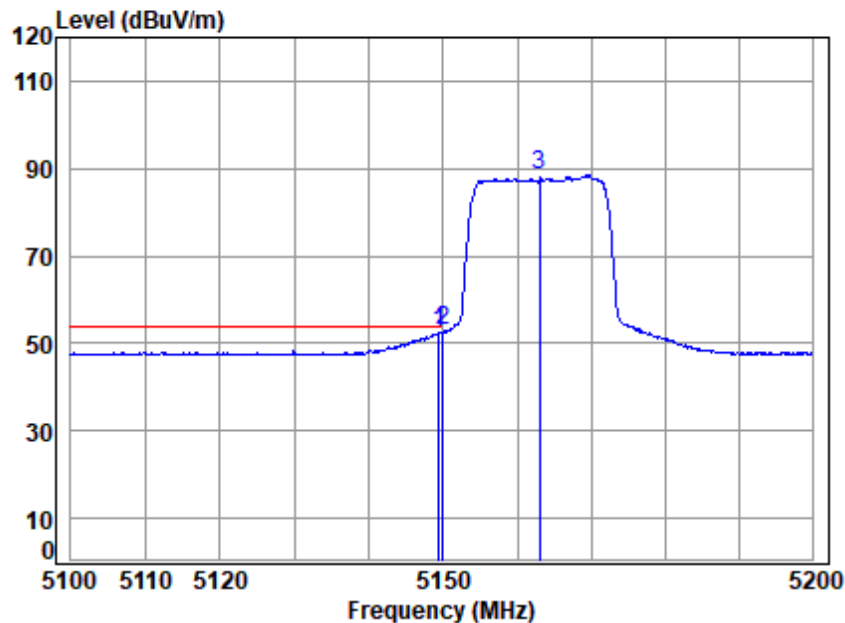
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Test Mode: 46; Polarity: Vertical; Modulation: OFDM; Channel: Low



Site : chamber
Condition: 3m VERTICAL
Job No : 01009AT\01010AT
Mode : 5163 Band edge
: SDR 20M

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5149.357	7.36	34.00	34.99	46.01	52.38	54.00	-1.62 Average
2 q	5149.980	7.36	34.00	34.99	46.45	52.82	54.00	-1.18 Average
3	5163.000	7.38	34.00	34.99	82.01	88.40	-----	----- Average

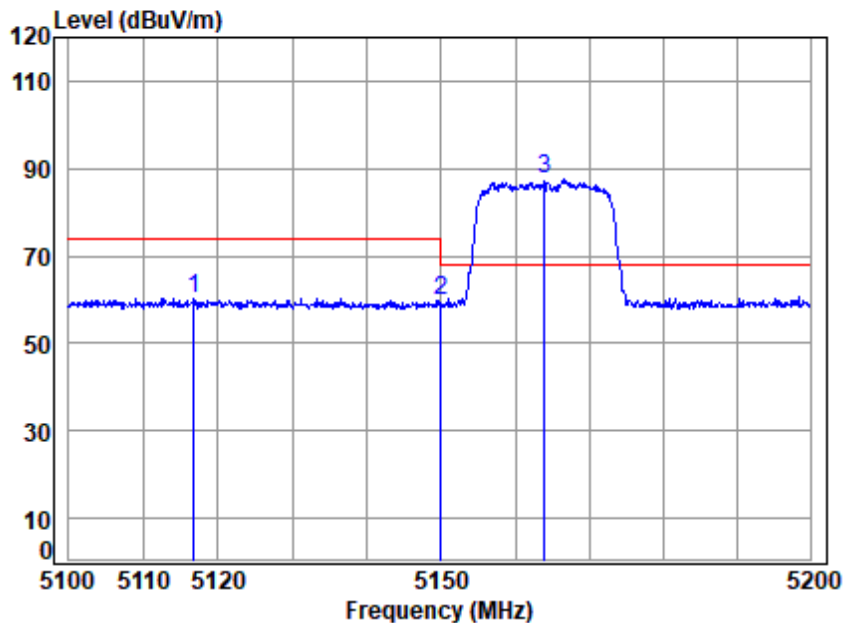


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Test Mode: 46; Polarity: Horizontal; Modulation: OFDM; Channel: Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01009AT\01010AT
Mode : 5164 Band edge
: SDR 20M

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5116.764	7.33	34.07	34.99	54.02	60.43	74.00	-13.57 peak
2	5149.980	7.36	34.00	34.99	53.27	59.64	74.00	-14.36 peak
3 q	5164.000	7.38	34.00	34.99	81.08	87.47	68.20	19.27 peak



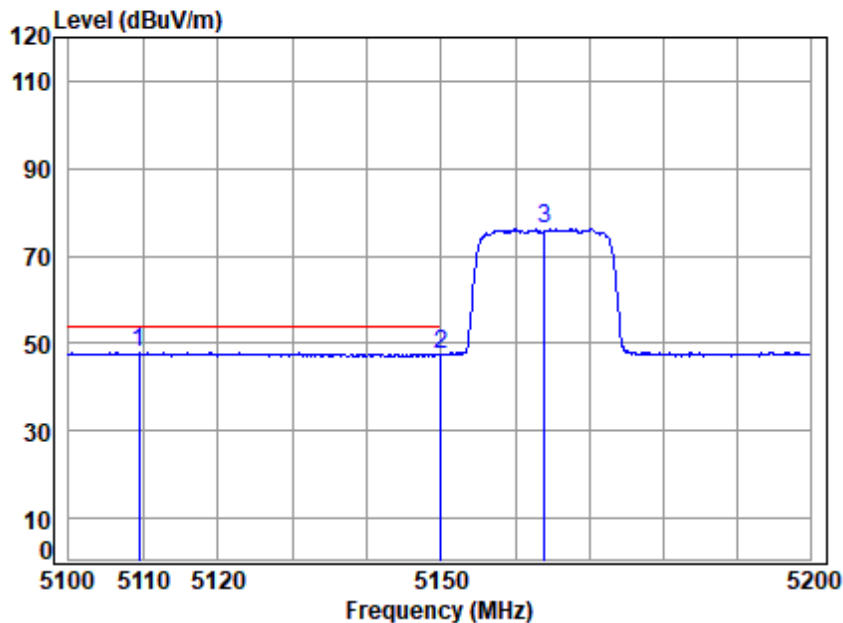
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Test Mode: 46; Polarity: Horizontal; Modulation: OFDM; Channel: Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01009AT\01010AT
Mode : 5164 Band edge
: SDR 20M

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 q 5109.417		7.32	34.08	34.99	41.44	47.85	54.00	-6.15 Average
2 5149.980		7.36	34.00	34.99	41.18	47.55	54.00	-6.45 Average
3 5164.000		7.38	34.00	34.99	69.92	76.31	-----	----- Average



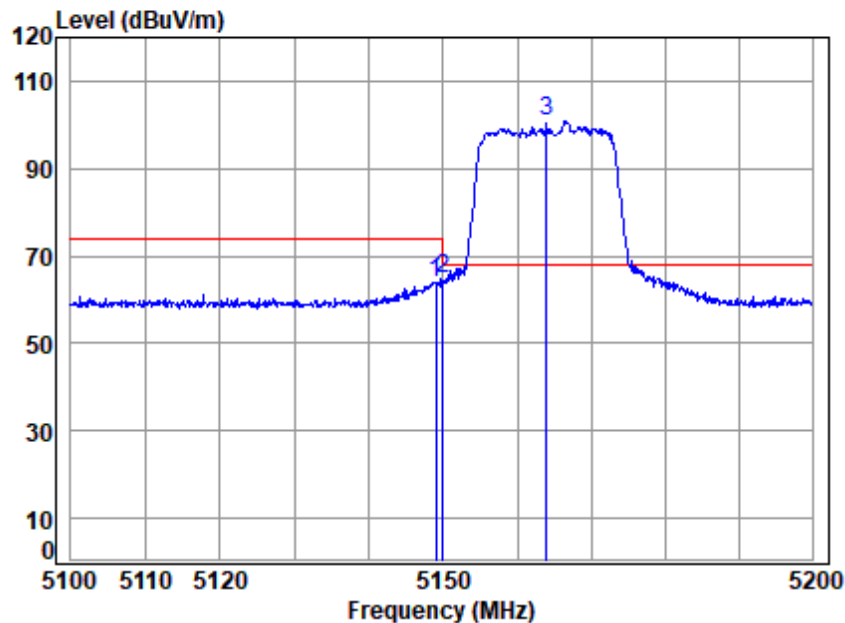
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Test Mode: 46; Polarity: Vertical; Modulation: OFDM; Channel: Low



Site : chamber
Condition: 3m VERTICAL
Job No : 01009AT\01010AT
Mode : 5164 Band edge
: SDR 20M

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Line	Limit	Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5148.958	7.36	34.00	34.99	57.53	63.90	74.00	-10.10 Peak
2	5149.980	7.36	34.00	34.99	58.20	64.57	74.00	-9.43 Peak
3 q	5164.000	7.38	34.00	34.99	94.62	101.01	68.20	32.81 Peak

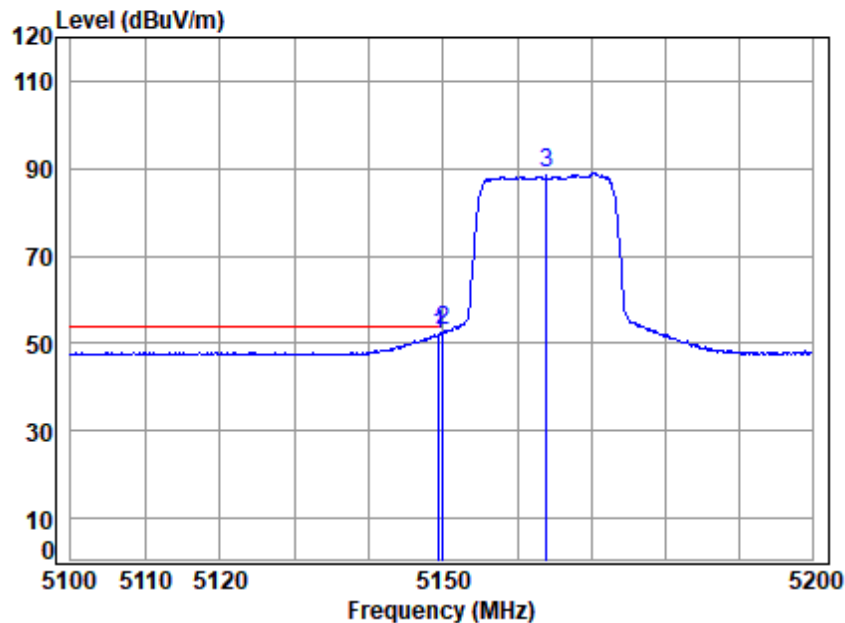


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Test Mode: 46; Polarity: Vertical; Modulation: OFDM; Channel: Low



Site : chamber
Condition: 3m VERTICAL
Job No : 01009AT\01010AT
Mode : 5164 Band edge
: SDR 20M

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Line	Limit	Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5149.458	7.36	34.00	34.99	45.77	52.14	54.00	-1.86 Average
2 q	5149.980	7.36	34.00	34.99	46.41	52.78	54.00	-1.22 Average
3	5164.000	7.38	34.00	34.99	82.62	89.01	-----	----- Average

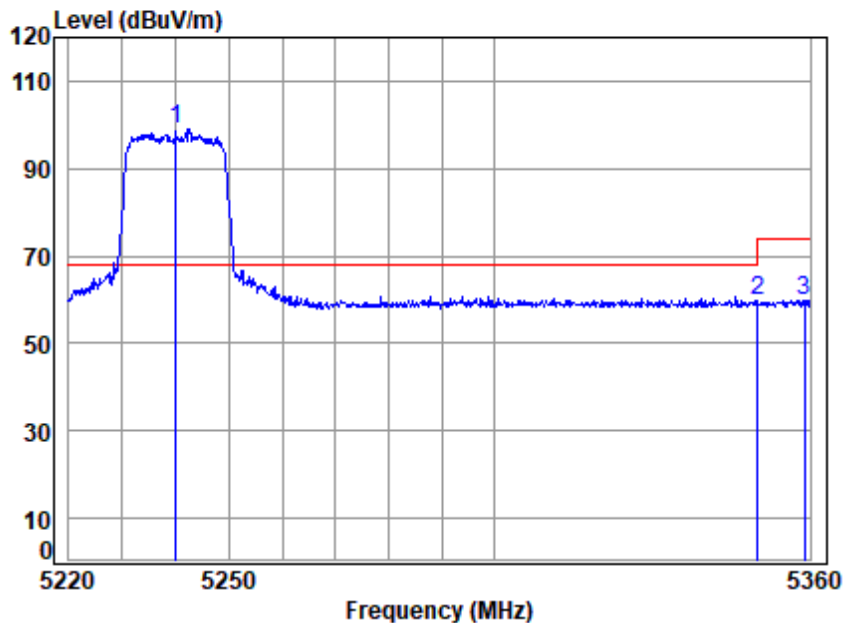


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Test Mode: 46; Polarity: Horizontal; Modulation: OFDM; Channel: High



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01009AT\01010AT
Mode : 5240 Band edge
: SDR 20M

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 q 5240.000		7.45	34.00	35.00	92.63	99.08	68.20	30.88 peak
2 5350.020		7.56	34.30	35.00	52.95	59.81	74.00	-14.19 peak
3 5359.007		7.57	34.34	35.00	53.05	59.96	74.00	-14.04 peak



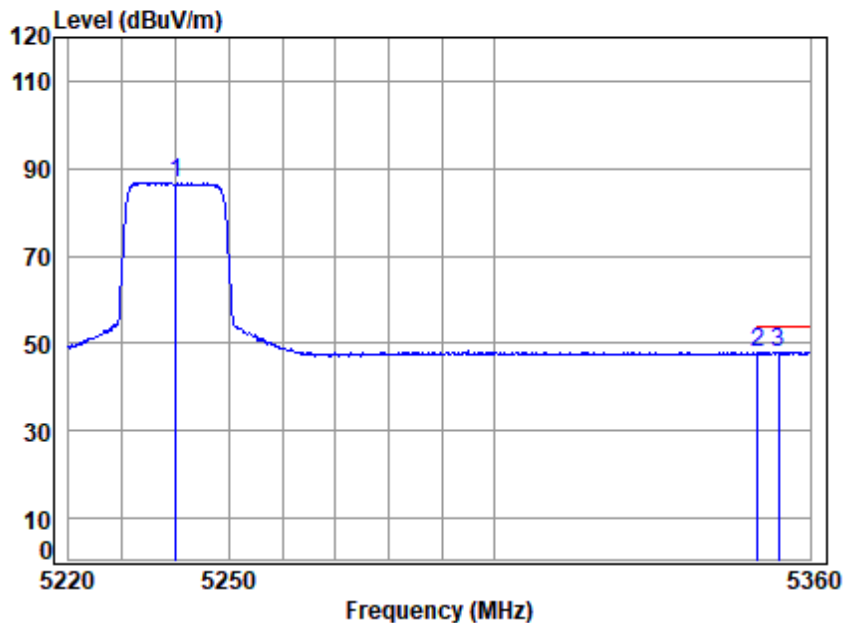
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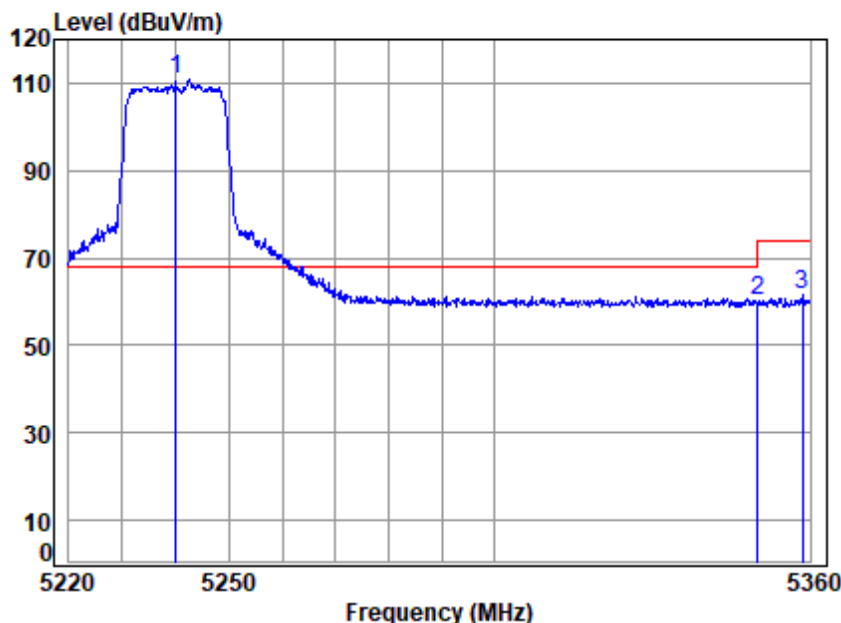
Test Mode: 46; Polarity: Horizontal; Modulation: OFDM; Channel: High



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01009AT\01010AT
Mode : 5240 Band edge
: SDR 20M

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5240.000	7.45	34.00	35.00	80.46	86.91	-----	----- Average
2	5350.020	7.56	34.30	35.00	40.87	47.73	54.00	-6.27 Average
3 q	5354.045	7.57	34.32	35.00	41.11	48.00	54.00	-6.00 Average

Test Mode: 46; Polarity: Vertical; Modulation: OFDM; Channel: High



Site : chamber
Condition: 3m VERTICAL
Job No : 01009AT\01010AT
Mode : 5240 Band edge
: SDR 20M

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 q 5240.000		7.45	34.00	35.00	104.61	111.06	68.20	42.86 Peak
2 5350.020		7.56	34.30	35.00	53.40	60.26	74.00	-13.74 Peak
3 5358.582		7.57	34.33	35.00	54.68	61.58	74.00	-12.42 Peak

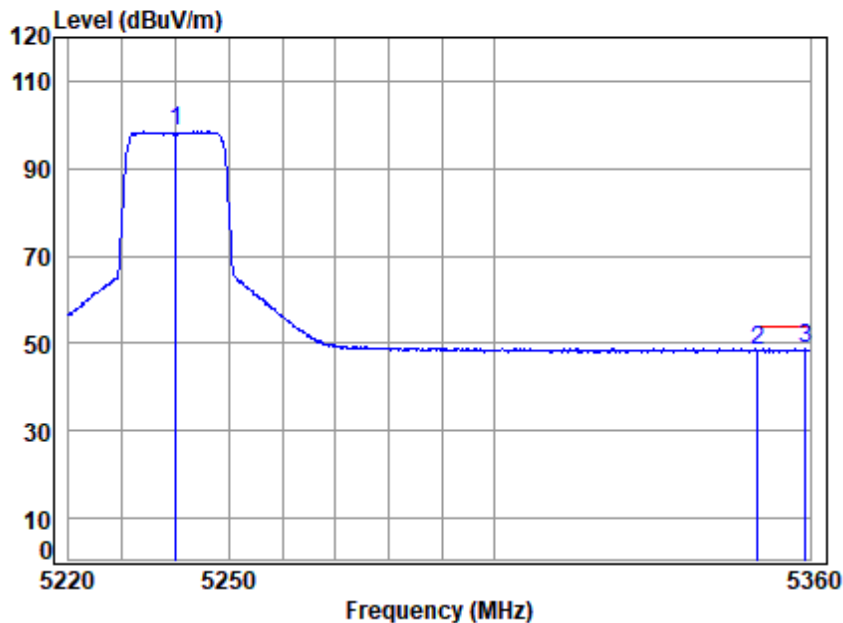


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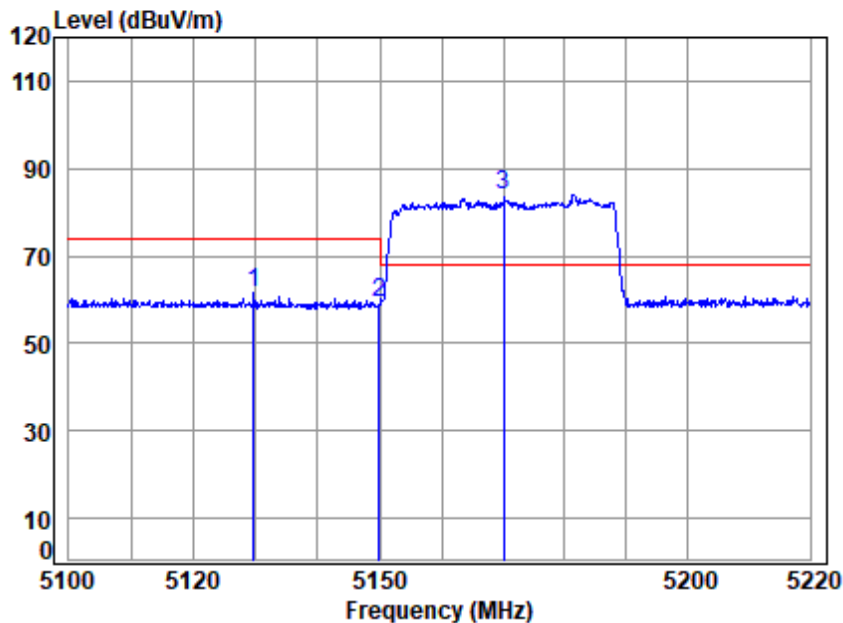
Test Mode: 46; Polarity: Vertical; Modulation: OFDM; Channel: High



Site : chamber
Condition: 3m VERTICAL
Job No : 01009AT\01010AT
Mode : 5240 Band edge
: SDR 20M

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5240.000	7.45	34.00	35.00	91.95	98.40	-----	----- Average
2	5350.020	7.56	34.30	35.00	41.53	48.39	54.00	-5.61 Average
3 q	5359.149	7.57	34.34	35.00	41.94	48.85	54.00	-5.15 Average

Test Mode: 48; Polarity: Horizontal; Modulation: OFDM; Channel: Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01009AT\01010AT
Mode : 5170 Band edge
: SDR 40M

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Line	Limit	Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5129.739	7.34	34.04	34.99	55.02	61.41	74.00	-12.59 peak
2	5149.980	7.36	34.00	34.99	52.78	59.15	74.00	-14.85 peak
3 q	5170.000	7.38	34.00	34.99	77.71	84.10	68.20	15.90 peak

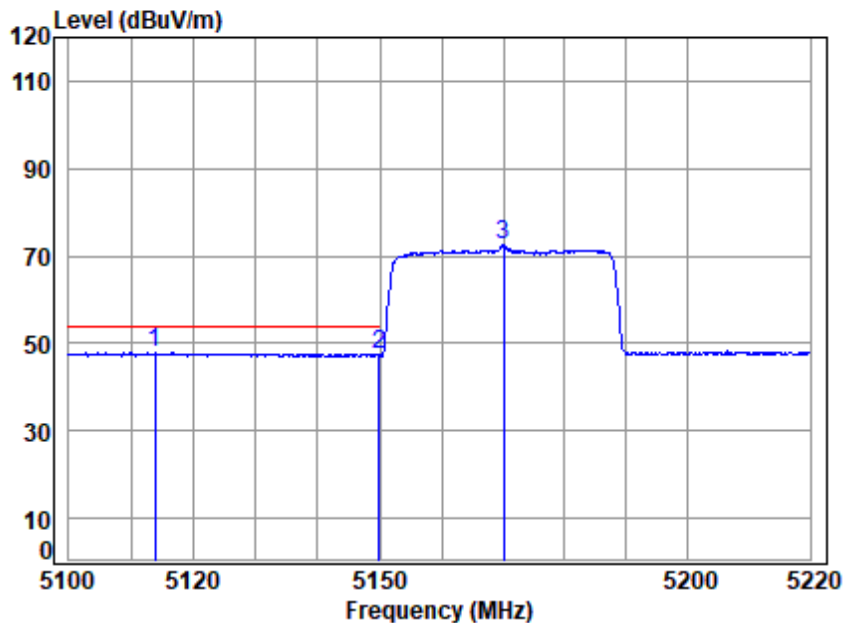


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Test Mode: 48; Polarity: Horizontal; Modulation: OFDM; Channel: Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01009AT\01010AT
Mode : 5170 Band edge
: SDR 40M

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 q 5113.896		7.33	34.07	34.99	41.66	48.07	54.00	-5.93 Average
2 5149.980		7.36	34.00	34.99	41.08	47.45	54.00	-6.55 Average
3 5170.000		7.38	34.00	34.99	66.11	72.50	-----	----- Average



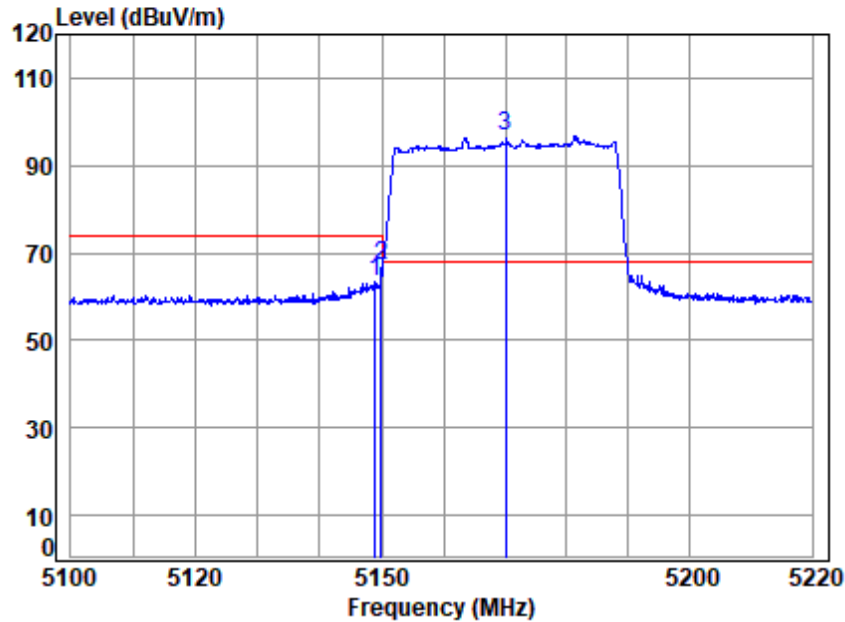
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Test Mode: 48; Polarity: Vertical; Modulation: OFDM; Channel: Low



Site : chamber
Condition: 3m VERTICAL
Job No : 01009AT\01010AT
Mode : 5170 Band edge
: SDR 40M

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5148.982	7.36	34.00	34.99	57.00	63.37	74.00	-10.63 Peak
2	5149.980	7.36	34.00	34.99	60.52	66.89	74.00	-7.11 Peak
3 q	5170.000	7.38	34.00	34.99	90.38	96.77	68.20	28.57 Peak

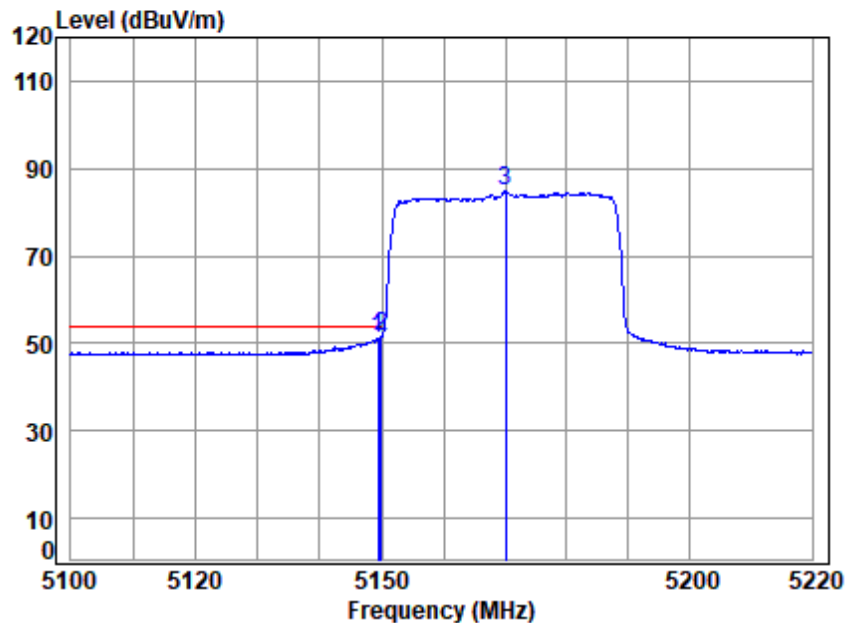


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Test Mode: 48; Polarity: Vertical; Modulation: OFDM; Channel: Low



Site : chamber
Condition: 3m VERTICAL
Job No : 01009AT\01010AT
Mode : 5170 Band edge
: SDR 40M

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5149.461	7.36	34.00	34.99	44.72	51.09	54.00	-2.91 Average
2 q	5149.980	7.36	34.00	34.99	45.17	51.54	54.00	-2.46 Average
3	5170.000	7.38	34.00	34.99	78.52	84.91	-----	----- Average



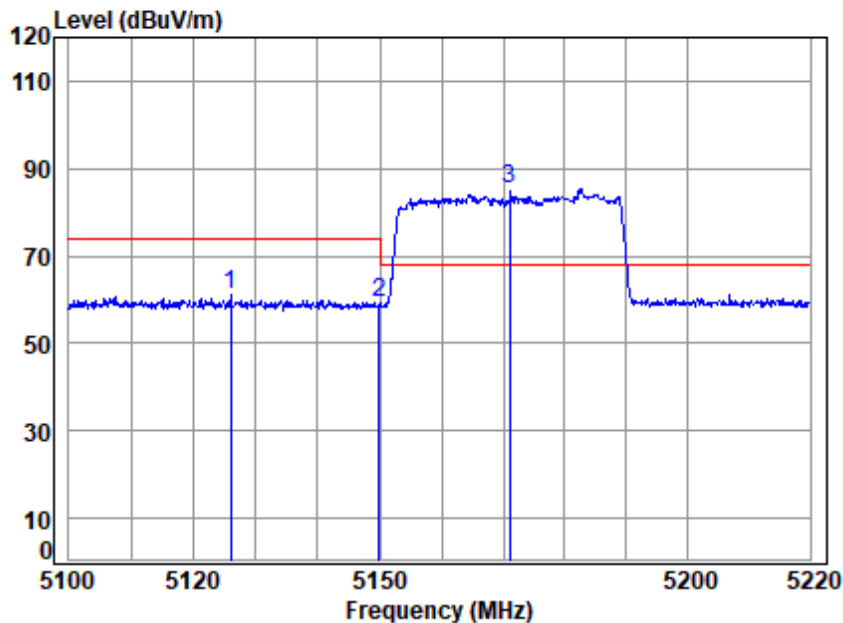
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Test Mode: 48; Polarity: Horizontal; Modulation: OFDM; Channel: Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01009AT\01010AT
Mode : 5171 Band edge
: SDR 40M

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5125.923	7.34	34.05	34.99	54.73	61.13	74.00	-12.87 peak
2	5149.980	7.36	34.00	34.99	52.74	59.11	74.00	-14.89 peak
3 q	5171.000	7.39	34.00	34.99	78.83	85.23	68.20	17.03 peak

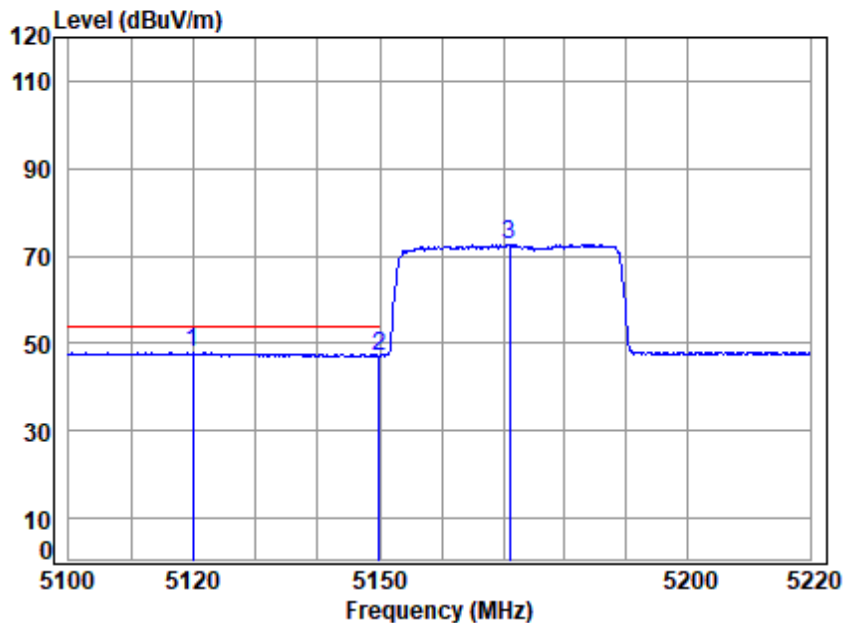


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Test Mode: 48; Polarity: Horizontal; Modulation: OFDM; Channel: Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01009AT\01010AT
Mode : 5171 Band edge
: SDR 40M

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Line	Limit	Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 q 5119.846		7.33	34.06	34.99	41.46	47.86	54.00	-6.14 Average
2 5149.980		7.36	34.00	34.99	40.85	47.22	54.00	-6.78 Average
3 5171.000		7.39	34.00	34.99	66.24	72.64	-----	----- Average



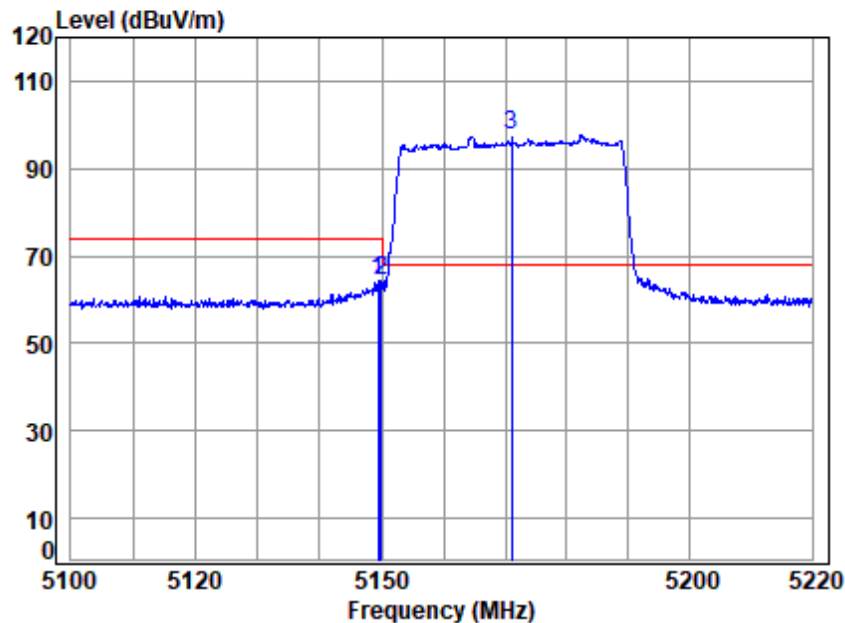
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Test Mode: 48; Polarity: Vertical; Modulation: OFDM; Channel: Low



Site : chamber
Condition: 3m VERTICAL
Job No : 01009AT\01010AT
Mode : 5171 Band edge
: SDR 40M

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Line	Limit	Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5149.461	7.36	34.00	34.99	57.90	64.27	74.00	-9.73 Peak
2	5149.980	7.36	34.00	34.99	57.86	64.23	74.00	-9.77 Peak
3 q	5171.000	7.39	34.00	34.99	91.23	97.63	68.20	29.43 Peak



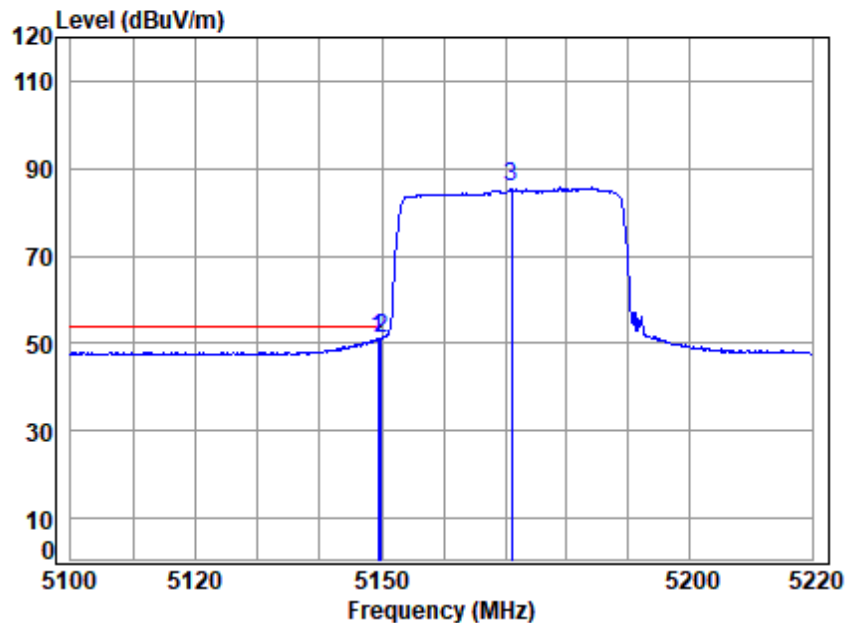
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Test Mode: 48; Polarity: Vertical; Modulation: OFDM; Channel: Low



Site : chamber
Condition: 3m VERTICAL
Job No : 01009AT\01010AT
Mode : 5171 Band edge
: SDR 40M

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5149.461	7.36	34.00	34.99	44.74	51.11	54.00	-2.89 Average
2 q	5149.980	7.36	34.00	34.99	44.92	51.29	54.00	-2.71 Average
3	5171.000	7.39	34.00	34.99	79.29	85.69	-----	----- Average

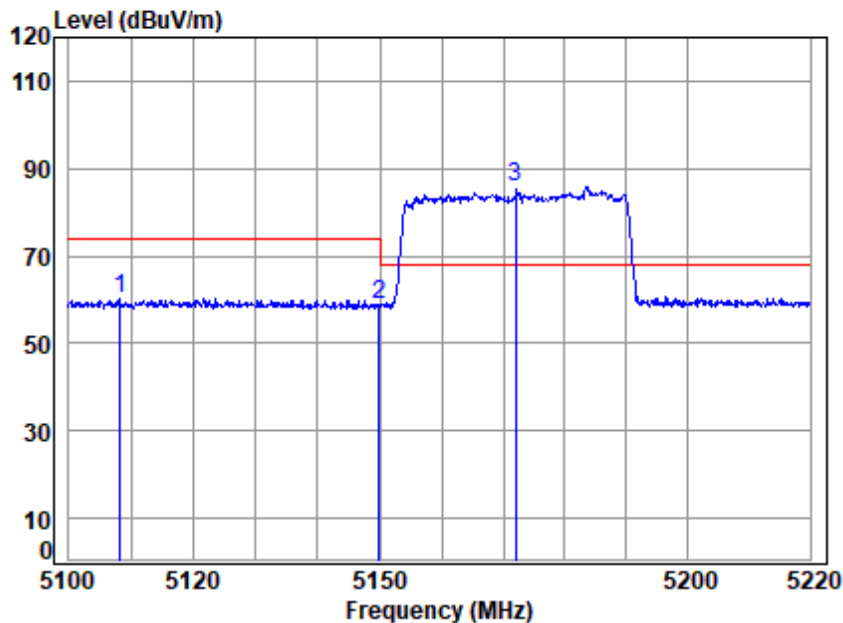


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Test Mode: 48; Polarity: Horizontal; Modulation: OFDM; Channel: Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01009AT\01010AT
Mode : 5172 Band edge
: SDR 40M

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5108.190	7.32	34.08	34.99	53.85	60.26	74.00	-13.74	peak
2	5149.980	7.36	34.00	34.99	52.42	58.79	74.00	-15.21	peak
3 q	5172.000	7.39	34.00	34.99	79.51	85.91	68.20	17.71	peak



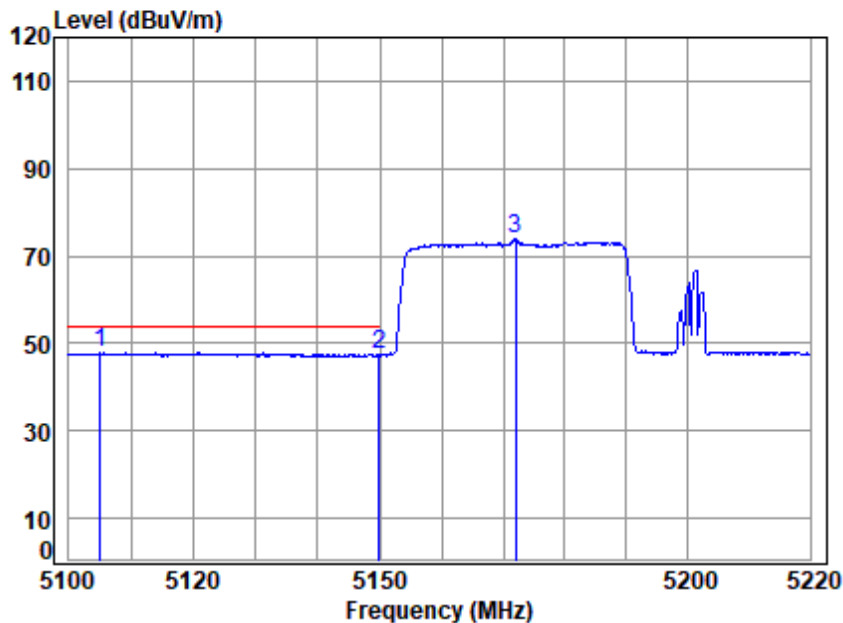
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Test Mode: 48; Polarity: Horizontal; Modulation: OFDM; Channel: Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01009AT\01010AT
Mode : 5172 Band edge
: SDR 40M

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 q 5104.984		7.32	34.09	34.99	41.41	47.83	54.00	-6.17 Average
2 5149.980		7.36	34.00	34.99	40.88	47.25	54.00	-6.75 Average
3 5172.000		7.39	34.00	34.99	67.49	73.89	-----	----- Average

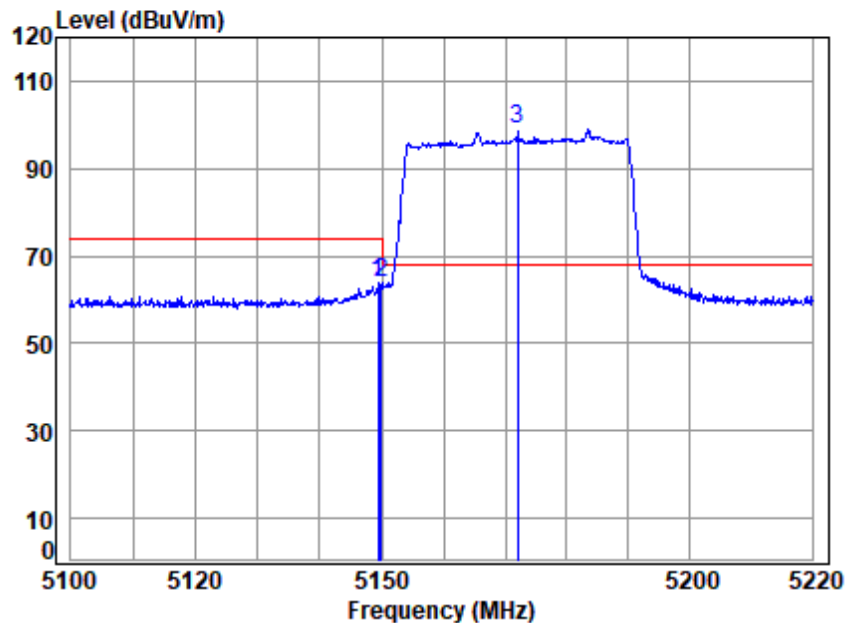


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Test Mode: 48; Polarity: Vertical; Modulation: OFDM; Channel: Low



Site : chamber
Condition: 3m VERTICAL
Job No : 01009AT\01010AT
Mode : 5172 Band edge
: SDR 40M

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Line	Limit	Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5149.461	7.36	34.00	34.99	57.47	63.84	74.00	-10.16 Peak
2	5149.980	7.36	34.00	34.99	57.38	63.75	74.00	-10.25 Peak
3 q	5172.000	7.39	34.00	34.99	92.43	98.83	68.20	30.63 Peak

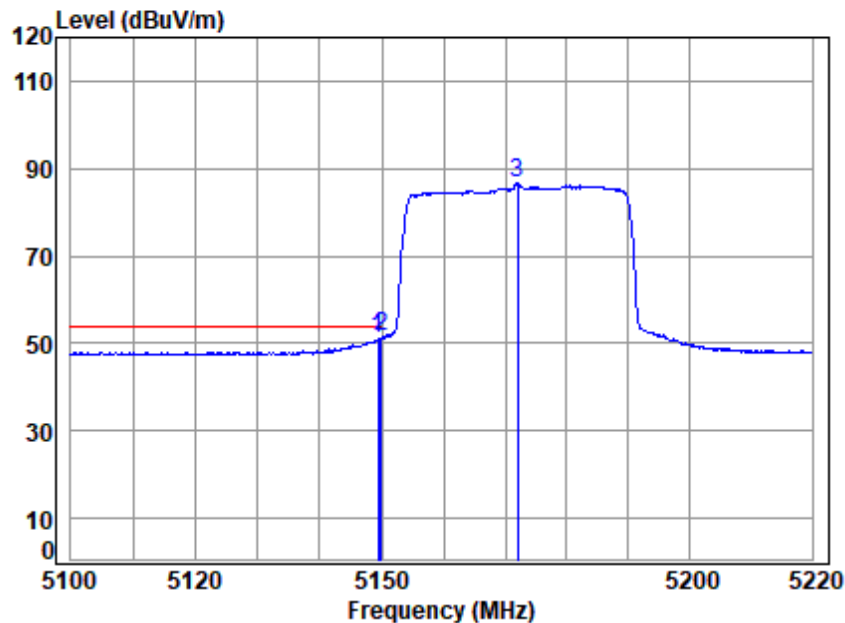


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Test Mode: 48; Polarity: Vertical; Modulation: OFDM; Channel: Low



Site : chamber
Condition: 3m VERTICAL
Job No : 01009AT\01010AT
Mode : 5172 Band edge
: SDR 40M

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5149.461	7.36	34.00	34.99	44.58	50.95	54.00	-3.05 Average
2 q	5149.980	7.36	34.00	34.99	45.05	51.42	54.00	-2.58 Average
3	5172.000	7.39	34.00	34.99	80.40	86.80	-----	----- Average

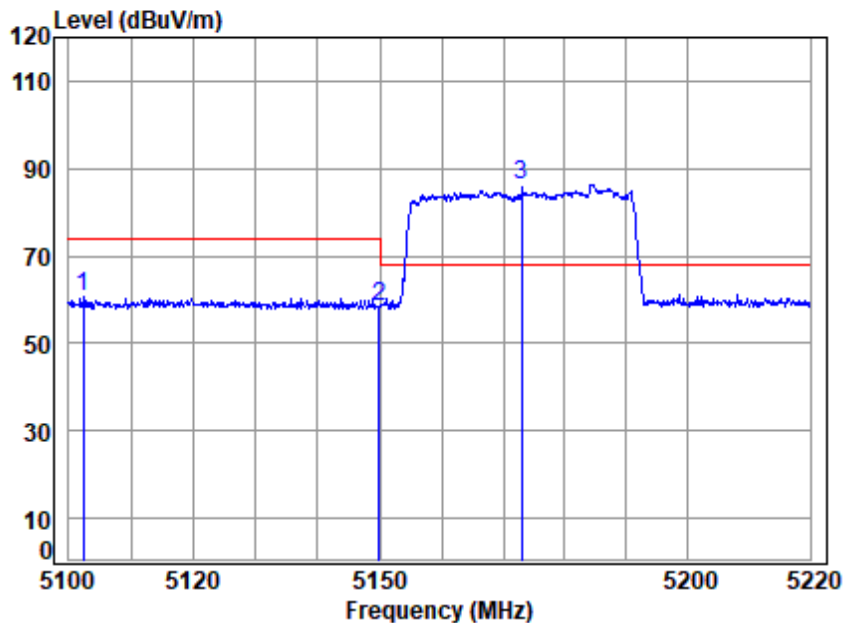


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Test Mode: 48; Polarity: Horizontal; Modulation: OFDM; Channel: Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01009AT\01010AT
Mode : 5173 Band edge
: SDR 40M

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5102.373	7.32	34.10	34.99	54.32	60.75	74.00	-13.25 peak
2	5149.980	7.36	34.00	34.99	52.18	58.55	74.00	-15.45 peak
3 q	5173.000	7.39	34.00	34.99	80.06	86.46	68.20	18.26 peak

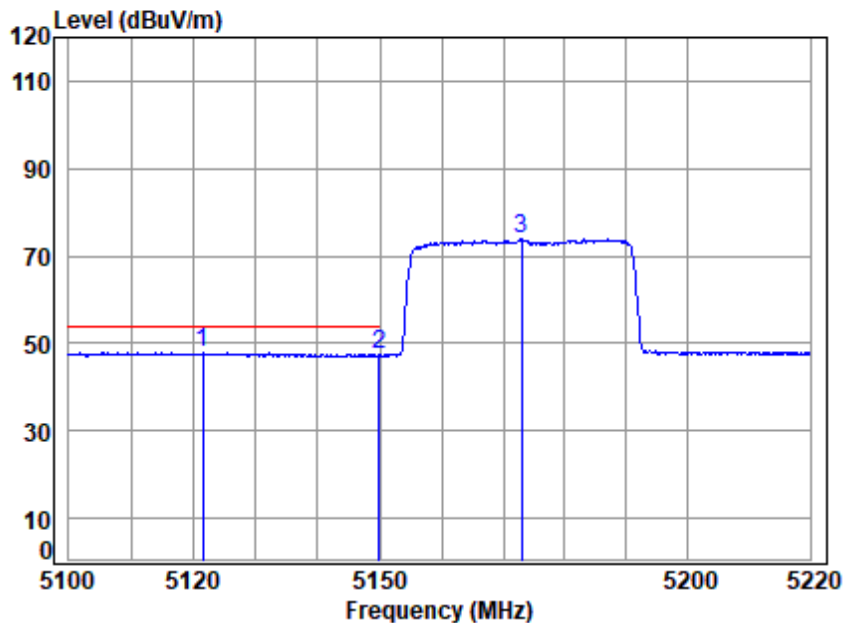


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Test Mode: 48; Polarity: Horizontal; Modulation: OFDM; Channel: Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01009AT\01010AT
Mode : 5173 Band edge
: SDR 40M

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 q 5121.514		7.34	34.06	34.99	41.44	47.85	54.00	-6.15 Average
2 5149.980		7.36	34.00	34.99	41.01	47.38	54.00	-6.62 Average
3 5173.000		7.39	34.00	34.99	67.46	73.86	-----	----- Average



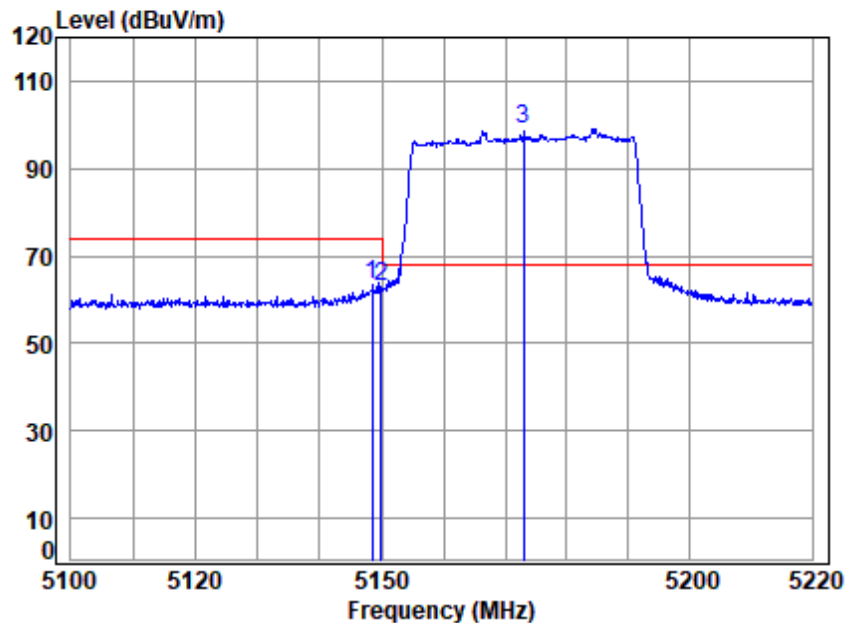
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Test Mode: 48; Polarity: Vertical; Modulation: OFDM; Channel: Low



Site : chamber
Condition: 3m VERTICAL
Job No : 01009AT\01010AT
Mode : 5173 Band edge
: SDR 40M

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5148.503	7.36	34.00	34.99	56.87	63.24	74.00	-10.76 Peak
2	5149.980	7.36	34.00	34.99	56.65	63.02	74.00	-10.98 Peak
3 q	5173.000	7.39	34.00	34.99	92.76	99.16	68.20	30.96 Peak

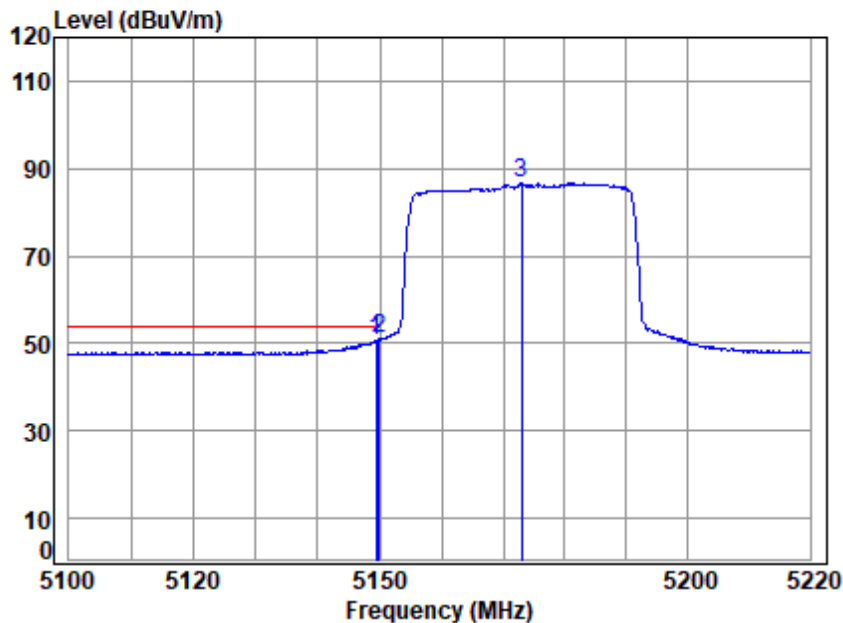


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Test Mode: 48; Polarity: Vertical; Modulation: OFDM; Channel: Low



Site : chamber
Condition: 3m VERTICAL
Job No : 01009AT\01010AT
Mode : 5173 Band edge
: SDR 40M

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5149.461	7.36	34.00	34.99	44.23	50.60	54.00	-3.40 Average
2 q	5149.980	7.36	34.00	34.99	44.56	50.93	54.00	-3.07 Average
3	5173.000	7.39	34.00	34.99	80.38	86.78	-----	----- Average

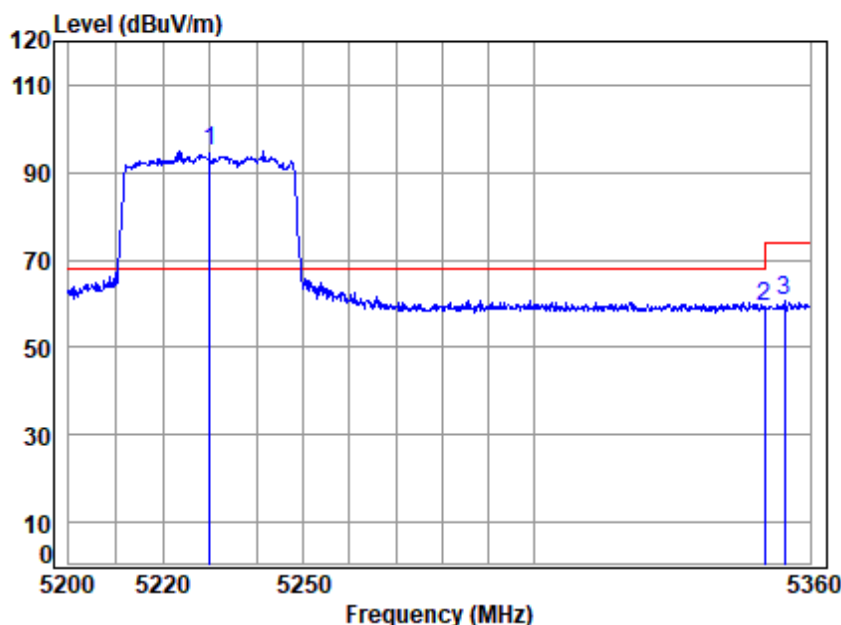


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Test Mode: 48; Polarity: Horizontal; Modulation: OFDM; Channel: High



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01009AT\01010AT
Mode : 5230 Band edge
: SDR 40M

		Cable	Ant	Preamp	Read		Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 q 5230.000		7.44	34.00	34.99	88.57	95.02	68.20	26.82	peak
2 5350.020		7.56	34.30	35.00	52.62	59.48	74.00	-14.52	peak
3 5354.318		7.57	34.32	35.00	53.68	60.57	74.00	-13.43	peak

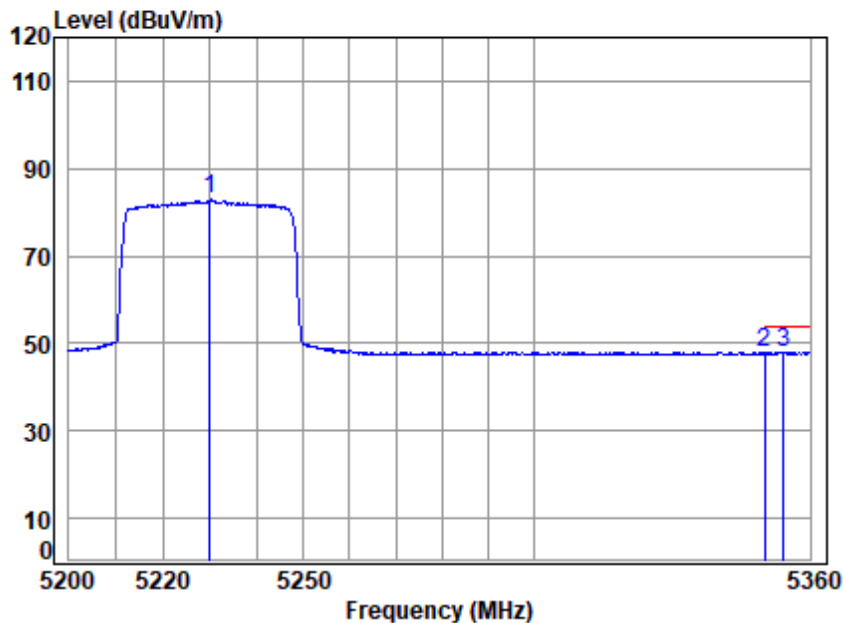


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Test Mode: 48; Polarity: Horizontal; Modulation: OFDM; Channel: High



Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 01009AT\01010AT
 Mode : 5230 Band edge
 : SDR 40M

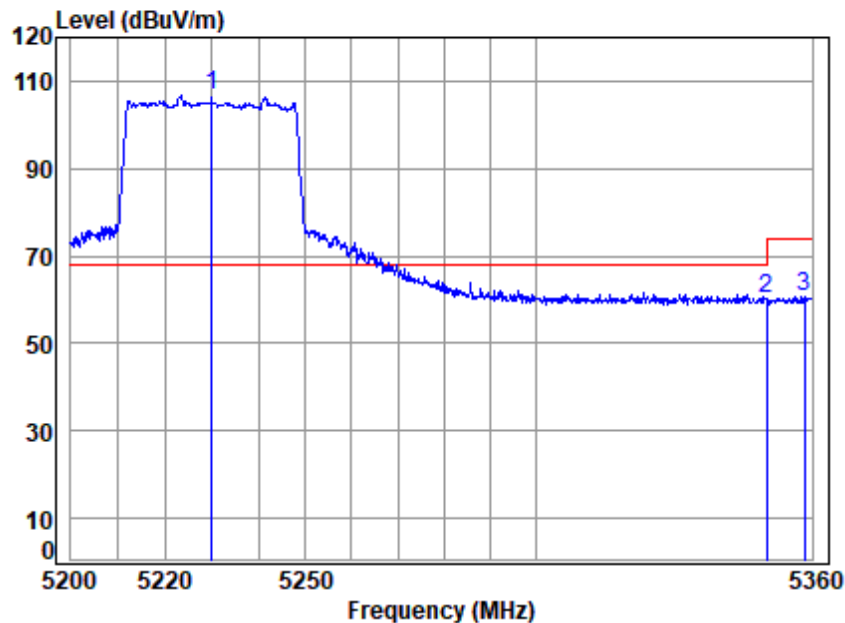
		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Line	Limit	Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5230.000	7.44	34.00	34.99	76.40	82.85	-----	----- Average
2	5350.020	7.56	34.30	35.00	40.90	47.76	54.00	-6.24 Average
3 q	5354.155	7.57	34.32	35.00	41.18	48.07	54.00	-5.93 Average



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Test Mode: 48; Polarity: Vertical; Modulation: OFDM; Channel: High



Site : chamber
Condition: 3m VERTICAL
Job No : 01009AT\01010AT
Mode : 5230 Band edge
: SDR 40M

		Cable	Ant	Preamp	Read		Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 q 5230.000		7.44	34.00	34.99	100.19	106.64	68.20	38.44	Peak
2 5350.020		7.56	34.30	35.00	53.44	60.30	74.00	-13.70	Peak
3 5358.376		7.57	34.33	35.00	53.90	60.80	74.00	-13.20	Peak



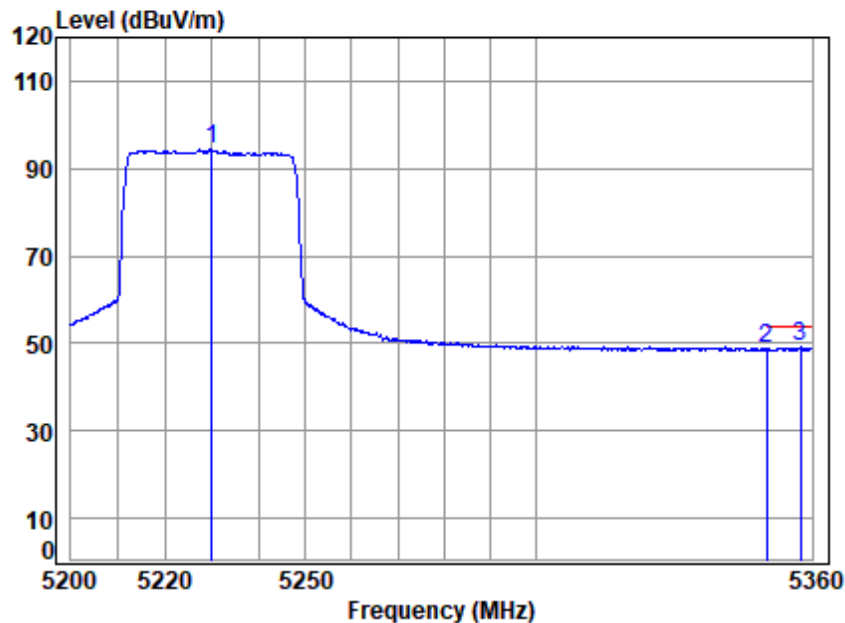
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Test Mode: 48; Polarity: Vertical; Modulation: OFDM; Channel: High



Site : chamber
Condition: 3m VERTICAL
Job No : 01009AT\01010AT
Mode : 5230 Band edge
: SDR 40M

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5230.000	7.44	34.00	34.99	87.91	94.36	-----	----- Average
2	5350.020	7.56	34.30	35.00	41.94	48.80	54.00	-5.20 Average
3 q	5357.564	7.57	34.33	35.00	42.49	49.39	54.00	-4.61 Average

7.10 Radiated Emissions (Above 1GHz)

Test Requirement 47 CFR Part 15, Subpart C 15.209 & Subpart E 15.407(b)
Test Method: KDB 789033 D02 II G

Limit:

Frequency(MHz)	Field strength(microvolts/meter)	Measurement distance(meters)
Above 1GHz	500	3
*(1) For transmitters operating in the 5.15-5.25 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz. (2) For transmitters operating in the 5.25-5.35 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz. (3) For transmitters operating in the 5.47-5.725 GHz band: All emissions outside of the 5.47-5.725 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz. (4) For transmitters operating in the 5.725-5.85 GHz band: (i) All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge. Remark: The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90kHz, 110-490kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation.		

SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230400100907

Page: 134 of 463

7.10.1 E.U.T. Operation

Operating Environment:

Temperature: 22.6 °C

Humidity: 57.1 % RH

Atmospheric Pressure: 1010 mbar

7.10.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Pre-scan	27	TX mode (5.8G SDR_1.4MHz)_Keep the EUT in transmitting mode
Final test	28	TX mode (5.8G SDR_1.4MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter
Pre-scan	29	TX mode (5.8G SDR_3MHz)_Keep the EUT in transmitting mode
Pre-scan	30	TX mode (5.8G SDR_3MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter
Pre-scan	31	TX mode (5.8G SDR_5MHz)_Keep the EUT in transmitting mode
Pre-scan	32	TX mode (5.8G SDR_5MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter
Pre-scan	33	TX mode (5.8G SDR_10MHz)_Keep the EUT in transmitting mode
Final test	34	TX mode (5.8G SDR_10MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter
Pre-scan	35	TX mode (5.8G SDR_20MHz)_Keep the EUT in transmitting mode
Pre-scan	36	TX mode (5.8G SDR_20MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter
Pre-scan	37	TX mode (5.8G SDR_40MHz)_Keep the EUT in transmitting mode
Pre-scan	38	TX mode (5.8G SDR_40MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter
Pre-scan	39	TX mode (5.8G SDR_60MHz)_Keep the EUT in transmitting mode
Pre-scan	40	TX mode (5.8G SDR_60MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter
Pre-scan	41	TX mode (5.8G SDR_80MHz)_Keep the EUT in transmitting mode
Pre-scan	42	TX mode (5.8G SDR_80MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter
Pre-scan	43	TX mode (5.1G SDR_10MHz)_Keep the EUT in transmitting mode
Final test	44	TX mode (5.1G SDR_10MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter
Pre-scan	45	TX mode (5.1G SDR_20MHz)_Keep the EUT in transmitting mode
Pre-scan	46	TX mode (5.1G SDR_20MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter
Pre-scan	47	TX mode (5.1G SDR_40MHz)_Keep the EUT in transmitting mode
Pre-scan	48	TX mode (5.1G SDR_40MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter

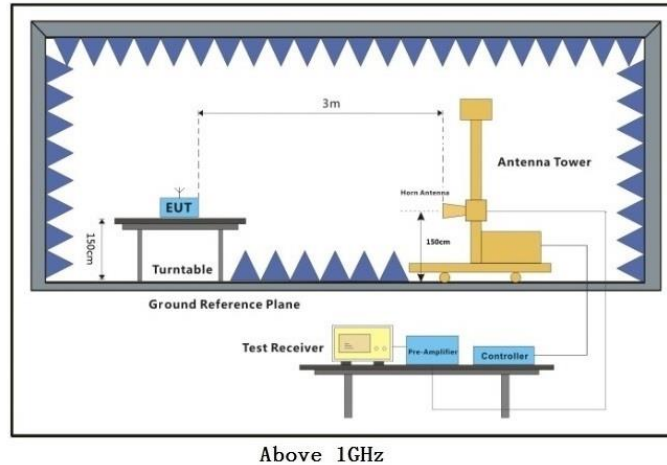


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7.10.3 Test Setup Diagram



7.10.4 Measurement Procedure and Data

- a. For above 1GHz, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter fully-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- f. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak or average method as specified and then reported in a data sheet.
- g. Test the EUT in the lowest channel, the middle channel, the Highest channel.
- h. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case.
- i. Repeat above procedures until all frequencies measured was complete.

Remark:

1. Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor
2. Scan from 18GHz to 40GHz, the disturbance above 18GHz was very low. The points marked on above plots are the highest emissions could be found when testing, so only above points had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.
3. As shown in this section, for frequencies above 1GHz, the field strength limits are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation. For the emissions whose peak level is lower than the average limit, only the peak measurement is shown in the report.
4. The disturbance above 18GHz were very low and the harmonics were the highest point could be found when testing, so only the above harmonics had been displayed.
5. For devices with multiple operating modes, measurements on the middle channel is used to determine the worst-case mode(s). Only the worst case mode with the highest output power and the mode with the highest output power spectral density for each modulation family (e.g., OFDM and direct sequence spread spectrum) is recorded in the test report.

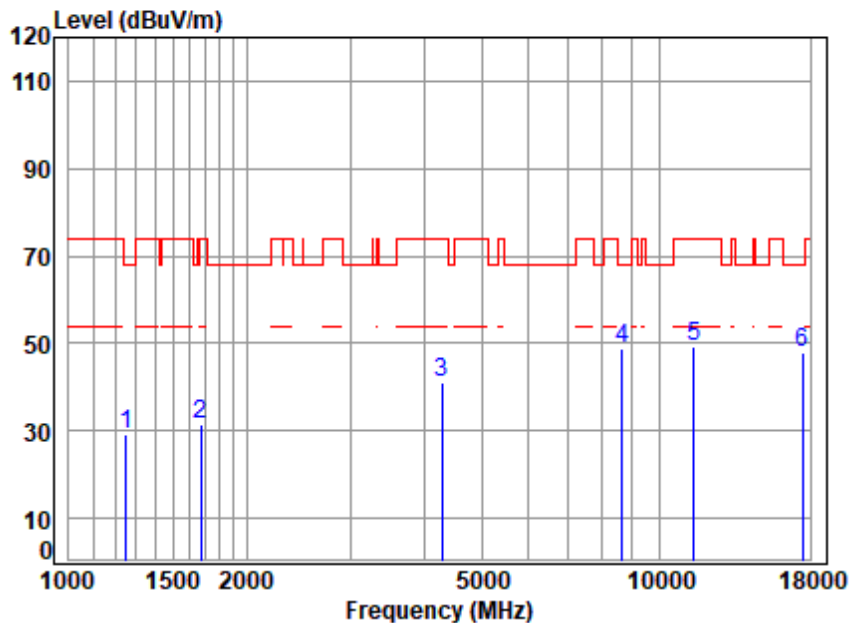


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Test Mode: 28; Polarity: Horizontal; Modulation: OFDM; Channel: Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01009AT\01010AT
Mode : 5728.5 TX RSE
Note : 5.8G SDR 1.4M

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1252.885	2.89	24.51	37.55	39.35	29.20	68.20	-39.00	peak
2	1672.779	3.46	26.75	36.46	37.57	31.32	74.00	-42.68	peak
3	4291.977	6.57	33.60	34.54	35.56	41.19	74.00	-32.81	peak
4 q	8663.404	9.84	36.63	35.69	37.99	48.77	68.20	-19.43	peak
5	11457.000	11.55	37.96	36.27	36.00	49.24	74.00	-24.76	peak
6	17485.500	14.20	43.59	37.44	27.46	47.81	68.20	-20.39	peak

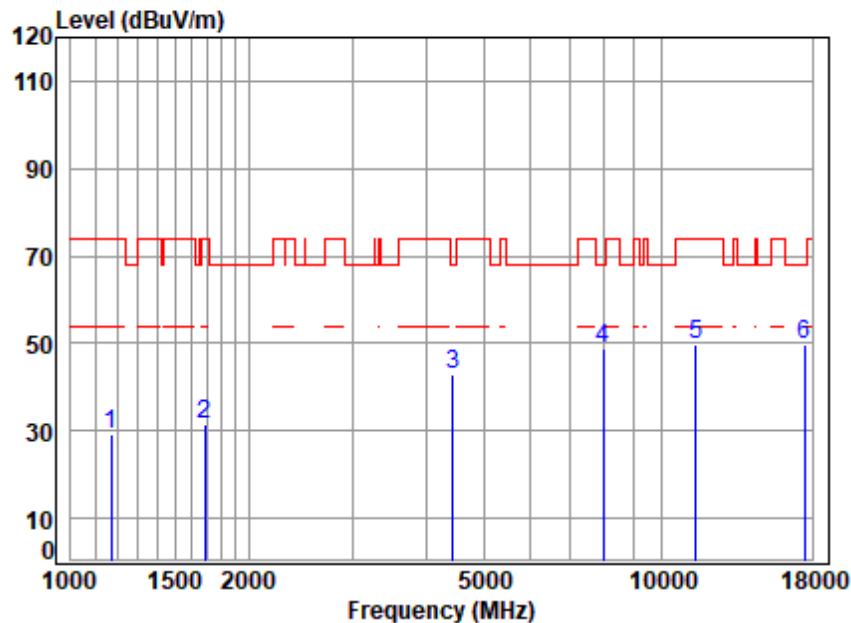


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Test Mode: 28; Polarity: Vertical; Modulation: OFDM; Channel: Low



Site : chamber
Condition: 3m VERTICAL
Job No : 01009AT\01010AT
Mode : 5728.5 TX RSE
Note : 5.8G SDR 1.4M

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1168.920	2.75	24.28	37.81	39.76	28.98	74.00	-45.02	peak
2	1687.347	3.47	26.77	36.43	37.62	31.43	74.00	-42.57	peak
3	4443.453	6.72	33.50	34.64	37.37	42.95	68.20	-25.25	peak
4	7989.893	9.21	36.20	36.09	39.35	48.67	68.20	-19.53	peak
5	11457.000	11.55	37.96	36.27	36.63	49.87	74.00	-24.13	peak
6	q17485.500	14.20	43.59	37.44	29.60	49.95	68.20	-18.25	peak



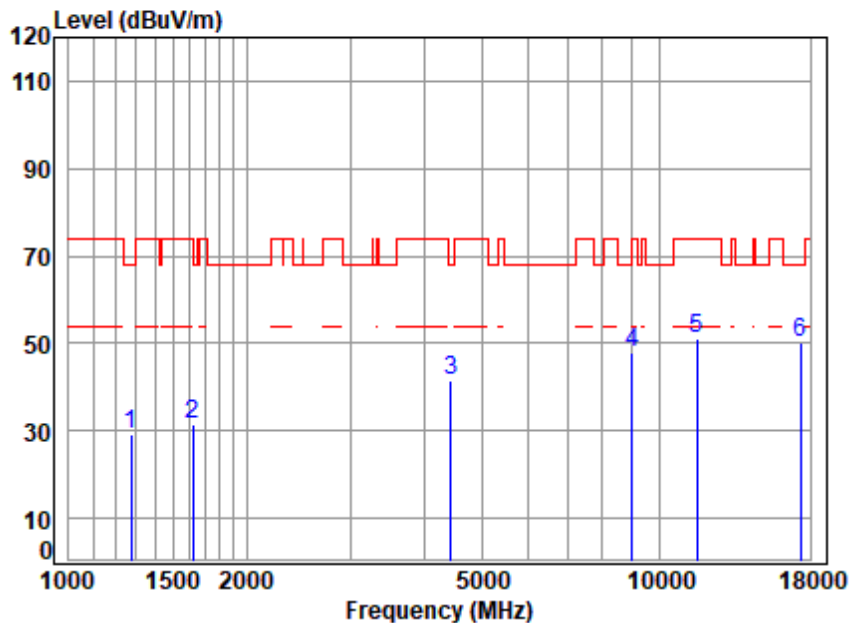
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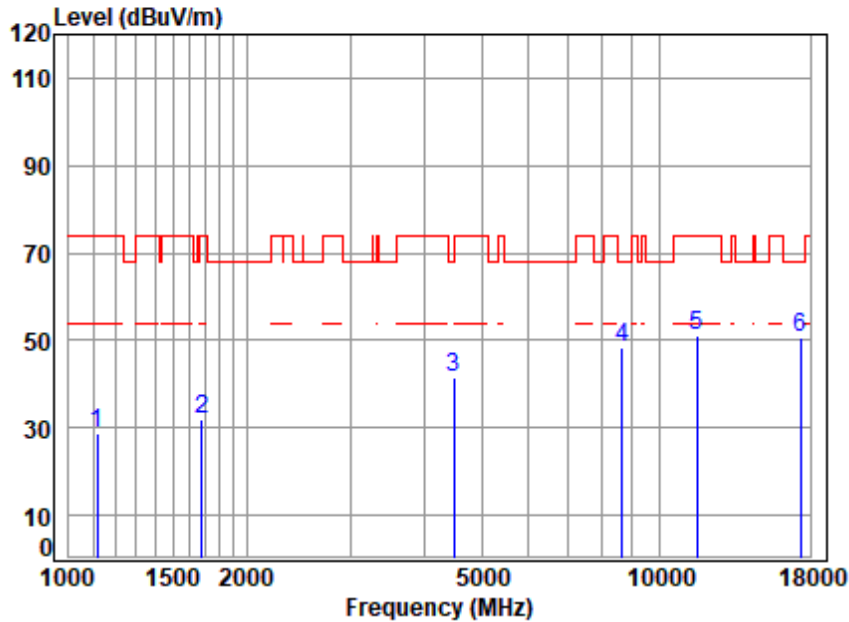
Test Mode: 28; Polarity: Horizontal; Modulation: OFDM; Channel: Middle



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01009AT\01010AT
Mode : 5786.5 TX RSE
Note : 5.8G SDR 1.4M

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1274.802	2.92	24.60	37.49	39.01	29.04	68.20	-39.16	peak
2	1625.121	3.40	26.60	36.57	38.22	31.65	74.00	-42.35	peak
3	4443.453	6.72	33.50	34.64	35.77	41.35	68.20	-26.85	peak
4	8995.123	10.13	36.70	35.50	36.62	47.95	68.20	-20.25	peak
5	11573.000	11.63	38.00	36.34	37.59	50.88	74.00	-23.12	peak
6	q17359.500	14.19	43.46	37.45	29.92	50.12	68.20	-18.08	peak

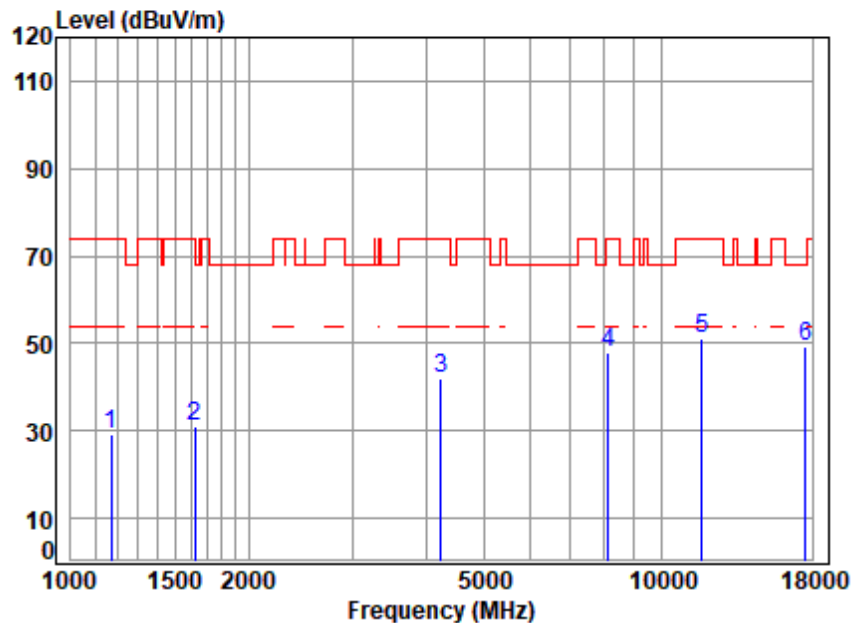
Test Mode: 28; Polarity: Vertical; Modulation: OFDM; Channel: Middle



Site : chamber
 Condition: 3m VERTICAL
 Job No : 01009AT\01010AT
 Mode : 5786.5 TX RSE
 Note : 5.8G SDR 1.4M

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1119.323	2.66	24.08	37.98	39.97	28.73	74.00	-45.27	peak
2	1677.621	3.46	26.76	36.45	38.02	31.79	74.00	-42.21	peak
3	4495.125	6.77	33.50	34.67	36.06	41.66	68.20	-26.54	peak
4	8638.399	9.81	36.60	35.71	37.55	48.25	68.20	-19.95	peak
5	11575.000	11.63	38.00	36.34	37.91	51.20	74.00	-22.80	peak
6	17136.250	14.19	43.46	37.45	30.38	50.58	68.20	-17.62	peak

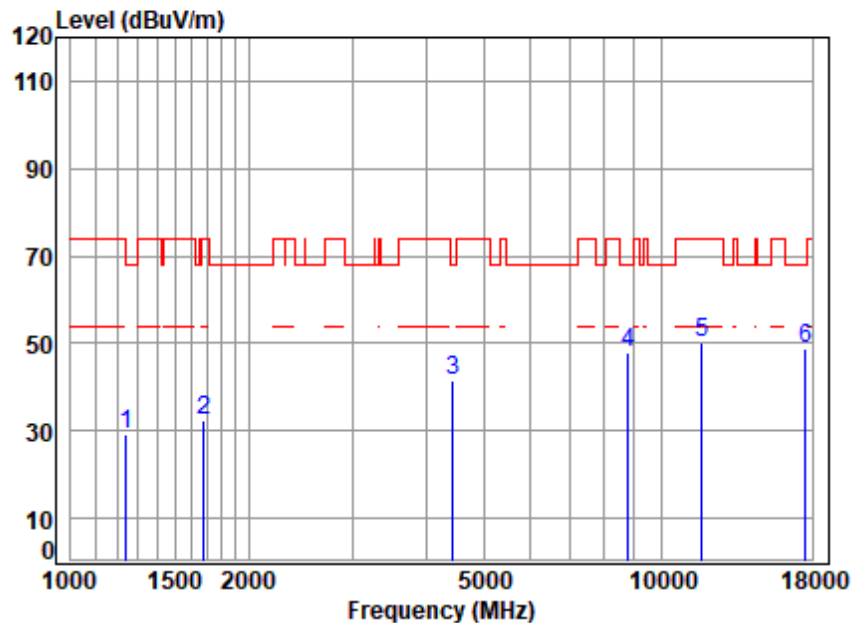
Test Mode: 28; Polarity: Horizontal; Modulation: OFDM; Channel: High



Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 01009AT\01010AT
 Mode : 5846.12 TX RSE
 Note : 5.8G SDR 1.4M

	Freq	Cable Loss	Ant Factor	Preamplifier	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1172.303	2.75	24.29	37.80	40.02	29.26	74.00	-44.74	peak
2	1625.121	3.40	26.60	36.57	37.66	31.09	74.00	-42.91	peak
3	4230.396	6.51	33.52	34.49	36.25	41.79	74.00	-32.21	peak
4	8129.664	9.34	36.36	36.01	38.37	48.06	74.00	-25.94	peak
5	11692.240	11.70	38.00	36.41	37.67	50.96	74.00	-23.04	peak
6	q17538.360	14.21	43.64	37.43	28.85	49.27	68.20	-18.93	peak

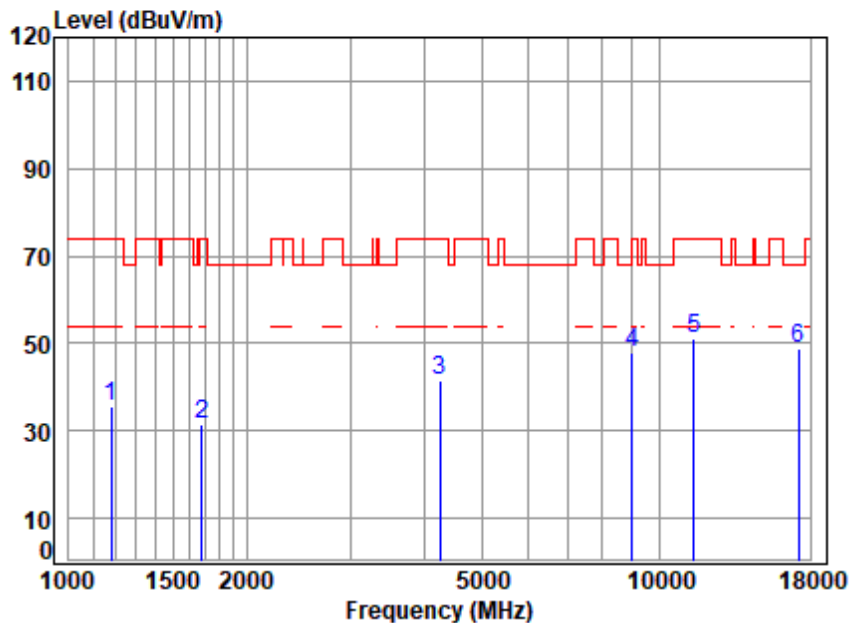
Test Mode: 28; Polarity: Vertical; Modulation: OFDM; Channel: High



Site : chamber
Condition: 3m VERTICAL
Job No : 01009AT\01010AT
Mode : 5846.12 TX RSE
Note : 5.8G SDR 1.4M

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1242.068	2.87	24.48	37.58	39.37	29.14	68.20	-39.06	peak
2	1677.621	3.46	26.76	36.45	38.47	32.24	74.00	-41.76	peak
3	4443.453	6.72	33.50	34.64	36.15	41.73	68.20	-26.47	peak
4	8789.516	9.95	36.70	35.62	36.83	47.86	68.20	-20.34	peak
5	11692.240	11.70	38.00	36.41	36.93	50.22	74.00	-23.78	peak
6	q17538.360	14.21	43.64	37.43	28.52	48.94	68.20	-19.26	peak

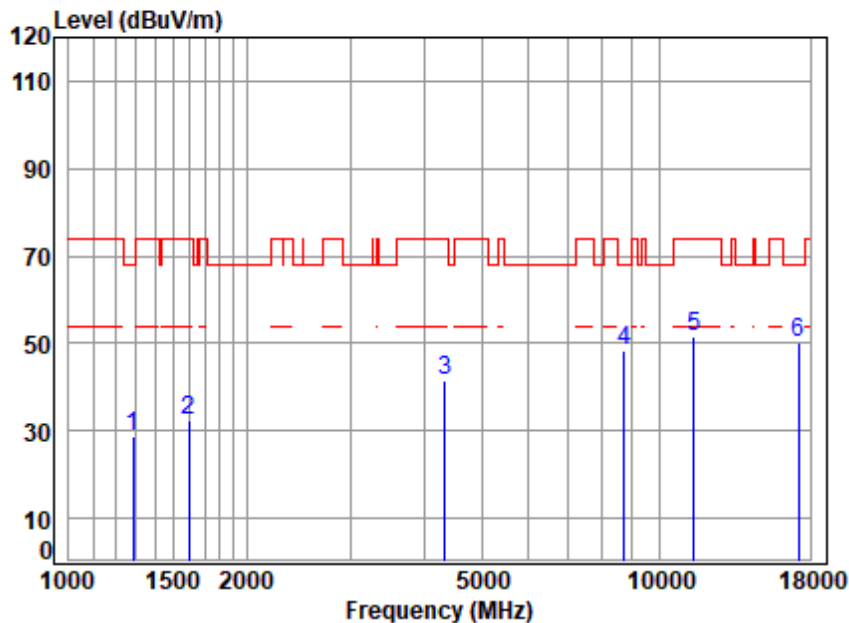
Test Mode: 34; Polarity: Horizontal; Modulation: OFDM; Channel: Low



Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 01009AT\01010AT
 Mode : 5730.5 TX RSE
 Note : 5.8G SDR 10M

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1179.100	2.77	24.32	37.78	46.12	35.43	74.00	-38.57	peak
2	1677.621	3.46	26.76	36.45	37.79	31.56	74.00	-42.44	peak
3	4254.921	6.54	33.60	34.51	36.00	41.63	74.00	-32.37	peak
4	8995.123	10.13	36.70	35.50	36.75	48.08	68.20	-20.12	peak
5	11461.000	11.56	37.96	36.27	37.66	50.91	74.00	-23.09	peak
6	17191.500	14.18	43.28	37.46	29.03	49.03	68.20	-19.17	peak

Test Mode: 34; Polarity: Vertical; Modulation: OFDM; Channel: Low



Site : chamber
Condition: 3m VERTICAL
Job No : 01009AT\01010AT
Mode : 5730.5 TX RSE
Note : 5.8G SDR 10M

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1285.904	2.94	24.64	37.45	38.60	28.73	68.20	-39.47	peak
2	1597.181	3.37	26.47	36.64	39.09	32.29	74.00	-41.71	peak
3	4341.886	6.62	33.60	34.57	35.91	41.56	74.00	-32.44	peak
4	8713.630	9.88	36.70	35.66	37.42	48.34	68.20	-19.86	peak
5	11461.000	11.56	37.96	36.27	38.43	51.68	74.00	-22.32	peak
6	17191.500	14.18	43.28	37.46	29.98	49.98	68.20	-18.22	peak



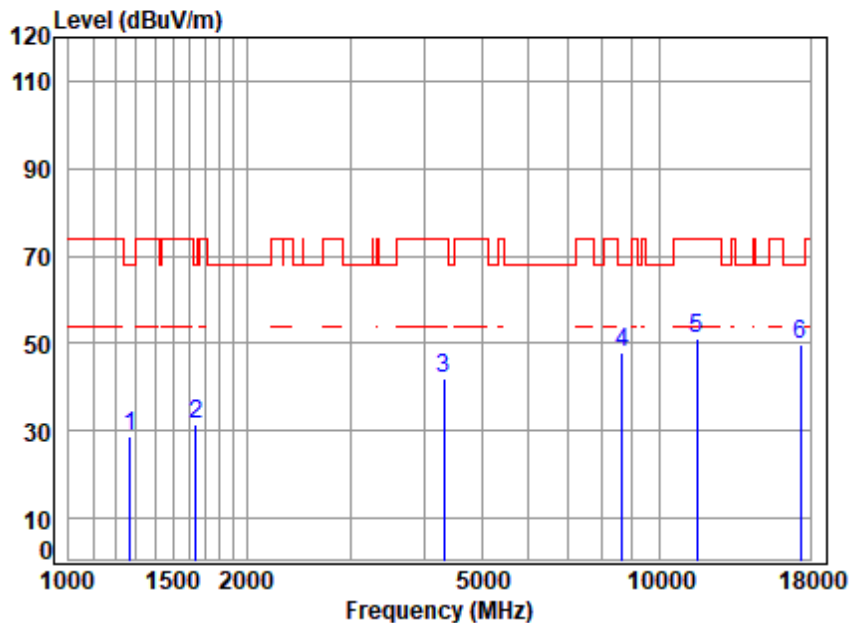
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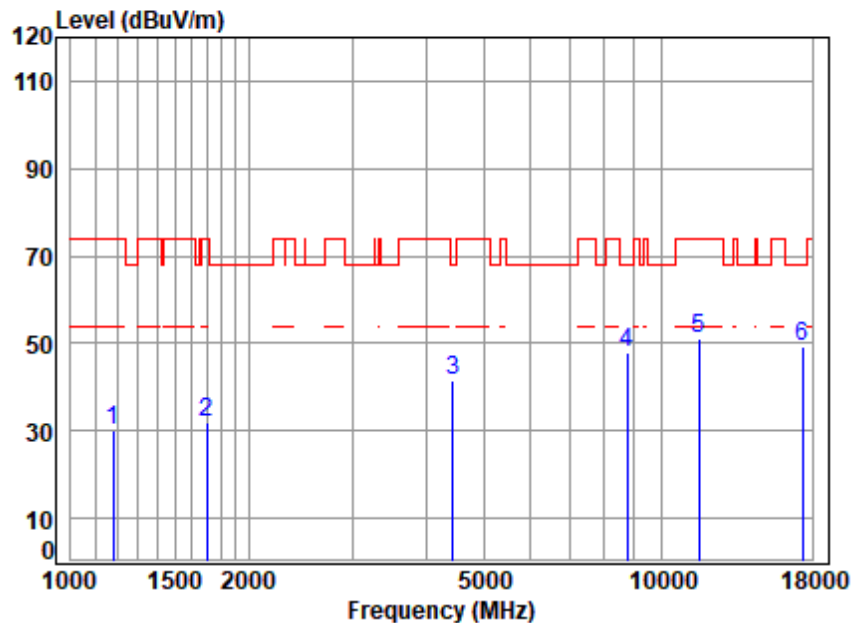
Test Mode: 34; Polarity: Horizontal; Modulation: OFDM; Channel: Middle



Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 01009AT\01010AT
 Mode : 5787.5 TX RSE
 Note : 5.8G SDR 10M

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1271.123	2.91	24.59	37.50	38.70	28.70	68.20	-39.50	peak
2	1639.274	3.42	26.66	36.54	38.08	31.62	68.20	-36.58	peak
3	4316.859	6.60	33.60	34.55	36.21	41.86	74.00	-32.14	peak
4	8663.404	9.84	36.63	35.69	37.33	48.11	68.20	-20.09	peak
5	11575.000	11.63	38.00	36.34	37.72	51.01	74.00	-22.99	peak
6	17136.250	14.19	43.46	37.45	29.64	49.84	68.20	-18.36	peak

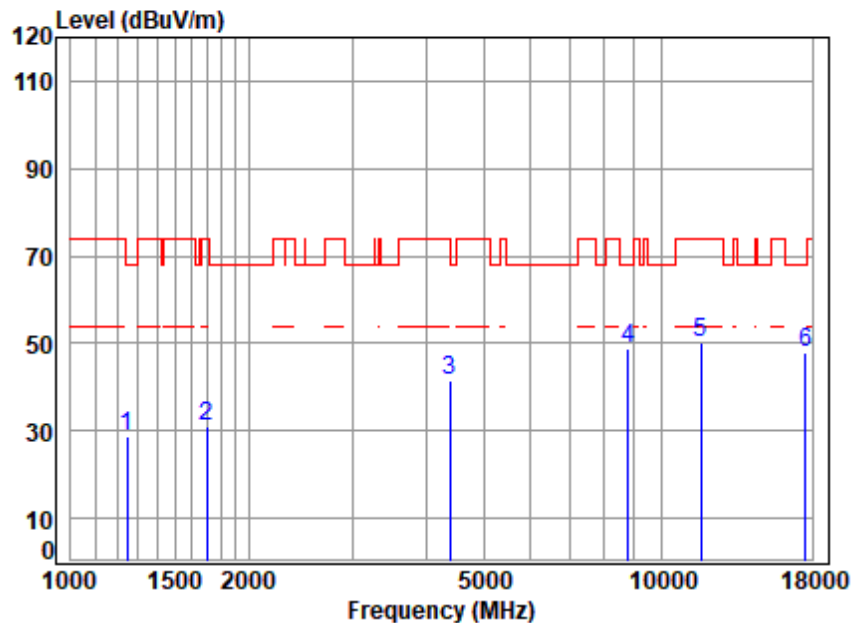
Test Mode: 34; Polarity: Vertical; Modulation: OFDM; Channel: Middle



Site : chamber
Condition: 3m VERTICAL
Job No : 01009AT\01010AT
Mode : 5787.5 TX RSE
Note : 5.8G SDR 10M

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1179.100	2.77	24.32	37.78	41.02	30.33	74.00	-43.67	peak
2	1702.042	3.49	26.80	36.40	37.91	31.80	74.00	-42.20	peak
3	4443.453	6.72	33.50	34.64	35.81	41.39	68.20	-26.81	peak
4	8764.146	9.92	36.70	35.63	37.11	48.10	68.20	-20.10	peak
5	11575.000	11.63	38.00	36.34	37.63	50.92	74.00	-23.08	peak
6	q17362.500	14.19	43.46	37.45	29.13	49.33	68.20	-18.87	peak

Test Mode: 34; Polarity: Horizontal; Modulation: OFDM; Channel: High



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01009AT\01010AT
Mode : 5844.5 TX RSE
Note : 5.8G SDR 10M

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1245.663	2.87	24.49	37.57	39.17	28.96	68.20	-39.24	peak
2	1697.129	3.49	26.79	36.41	37.31	31.18	74.00	-42.82	peak
3	4379.699	6.66	33.54	34.59	35.82	41.43	74.00	-32.57	peak
4 q	8789.516	9.95	36.70	35.62	37.67	48.70	68.20	-19.50	peak
5	11689.000	11.70	38.00	36.40	36.82	50.12	74.00	-23.88	peak
6	17533.500	14.21	43.63	37.43	27.66	48.07	68.20	-20.13	peak



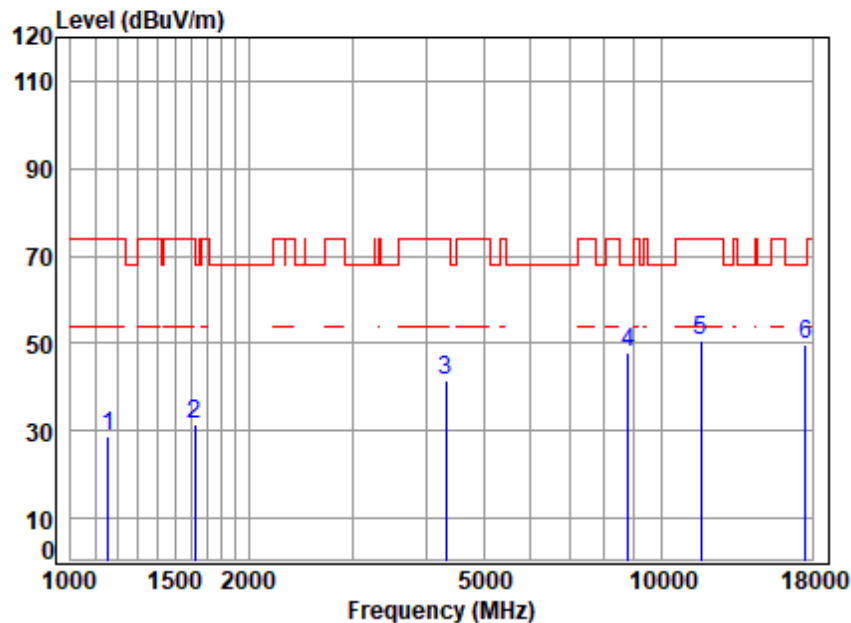
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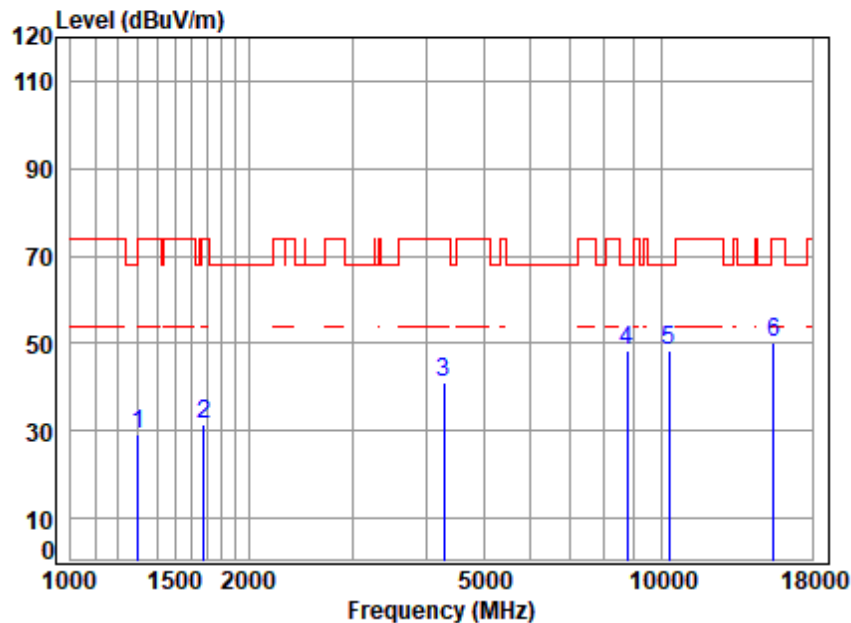
Test Mode: 34; Polarity: Vertical; Modulation: OFDM; Channel: High



Site : chamber
Condition: 3m VERTICAL
Job No : 01009AT\01010AT
Mode : 5844.5 TX RSE
Note : 5.8G SDR 10M

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1158.828	2.73	24.24	37.84	39.74	28.87	74.00	-45.13	peak
2	1620.431	3.39	26.58	36.58	38.26	31.65	74.00	-42.35	peak
3	4316.859	6.60	33.60	34.55	35.69	41.34	74.00	-32.66	peak
4	8789.516	9.95	36.70	35.62	36.70	47.73	68.20	-20.47	peak
5	11689.000	11.70	38.00	36.40	37.12	50.42	74.00	-23.58	peak
6	q17533.500	14.21	43.63	37.43	29.55	49.96	68.20	-18.24	peak

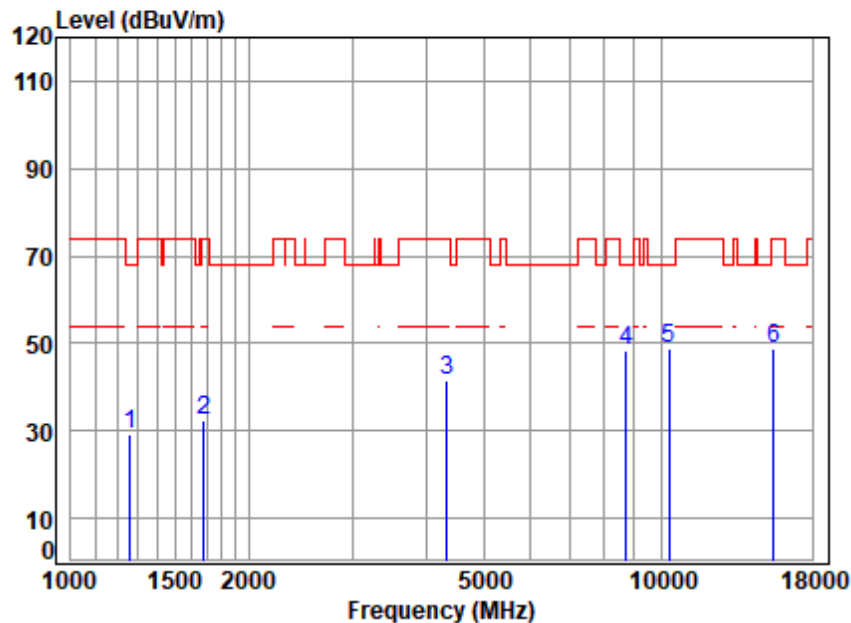
Test Mode: 44; Polarity: Horizontal; Modulation: OFDM; Channel: Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01009AT\01010AT
Mode : 5157 TX RSE
Note : 5.1G SDR 10M

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1300.858	2.96	24.70	37.41	39.07	29.32	74.00	-44.68	peak
2	1682.477	3.47	26.77	36.44	37.90	31.70	74.00	-42.30	peak
3	4291.977	6.57	33.60	34.54	35.61	41.24	74.00	-32.76	peak
4	8764.146	9.92	36.70	35.63	37.42	48.41	68.20	-19.79	peak
5	10314.000	10.78	37.41	35.72	36.02	48.49	68.20	-19.71	peak
6	15471.000	13.52	40.87	37.44	33.33	50.28	74.00	-23.72	peak

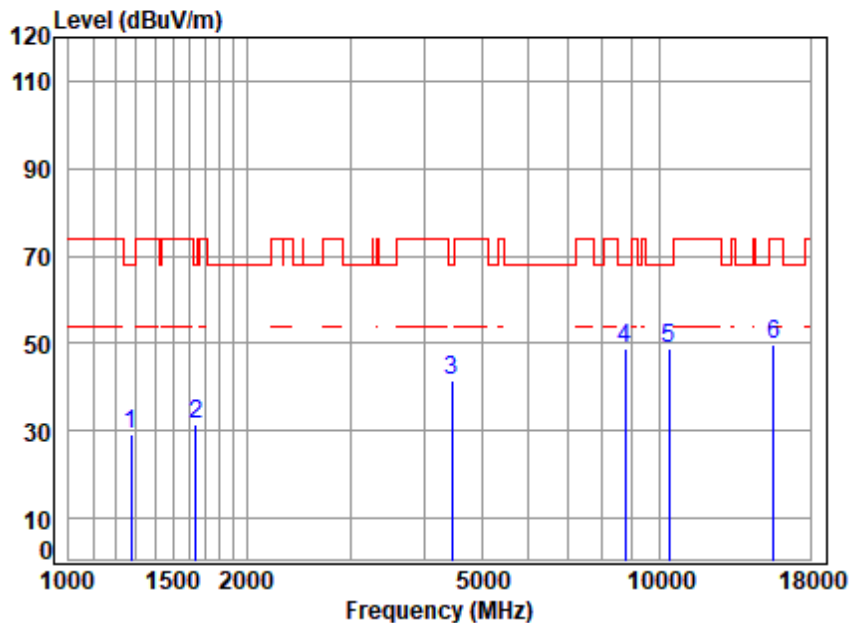
Test Mode: 44; Polarity: Vertical; Modulation: OFDM; Channel: Low



Site : chamber
 Condition: 3m VERTICAL
 Job No : 01009AT\01010AT
 Mode : 5157 TX RSE
 Note : 5.1G SDR 10M

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1260.149	2.90	24.54	37.53	39.40	29.31	68.20	-38.89	peak
2	1682.477	3.47	26.77	36.44	38.47	32.27	74.00	-41.73	peak
3	4329.354	6.61	33.60	34.56	35.89	41.54	74.00	-32.46	peak
4	8713.630	9.88	36.70	35.66	37.31	48.23	68.20	-19.97	peak
5	10314.000	10.78	37.41	35.72	36.53	49.00	68.20	-19.20	peak
6	15471.000	13.52	40.87	37.44	31.82	48.77	74.00	-25.23	peak

Test Mode: 44; Polarity: Horizontal; Modulation: OFDM; Channel: Middle



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01009AT\01010AT
Mode : 5201 TX RSE
Note : 5.1G SDR 10M

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1274.802	2.92	24.60	37.49	39.21	29.24	68.20	-38.96	peak
2	1639.274	3.42	26.66	36.54	38.05	31.59	68.20	-36.61	peak
3	4456.315	6.73	33.50	34.64	36.01	41.60	68.20	-26.60	peak
4	8764.146	9.92	36.70	35.63	37.62	48.61	68.20	-19.59	peak
5	q10402.000	10.84	37.50	35.75	36.19	48.78	68.20	-19.42	peak
6	15603.000	13.69	41.00	37.49	32.40	49.60	74.00	-24.40	peak



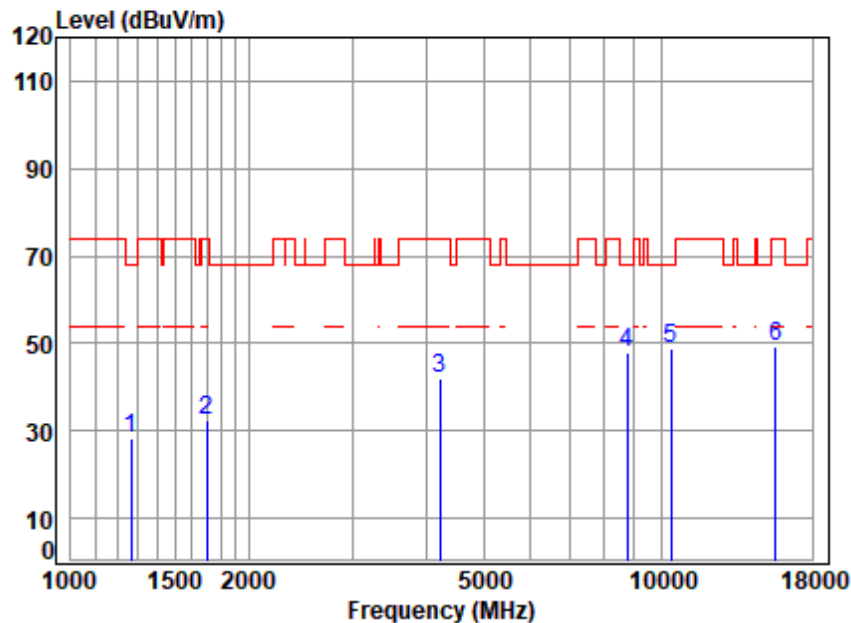
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Test Mode: 44; Polarity: Vertical; Modulation: OFDM; Channel: Middle



Site : chamber
Condition: 3m VERTICAL
Job No : 01009AT\01010AT
Mode : 5201 TX RSE
Note : 5.1G SDR 10M

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1267.454	2.91	24.57	37.51	38.53	28.50	68.20	-39.70	peak
2	1702.042	3.49	26.80	36.40	38.31	32.20	74.00	-41.80	peak
3	4218.186	6.50	33.47	34.48	36.30	41.79	74.00	-32.21	peak
4	8764.146	9.92	36.70	35.63	37.06	48.05	68.20	-20.15	peak
5	10400.000	10.84	37.50	35.75	36.22	48.81	68.20	-19.39	peak
6	15600.000	13.68	41.00	37.49	32.14	49.33	74.00	-24.67	peak



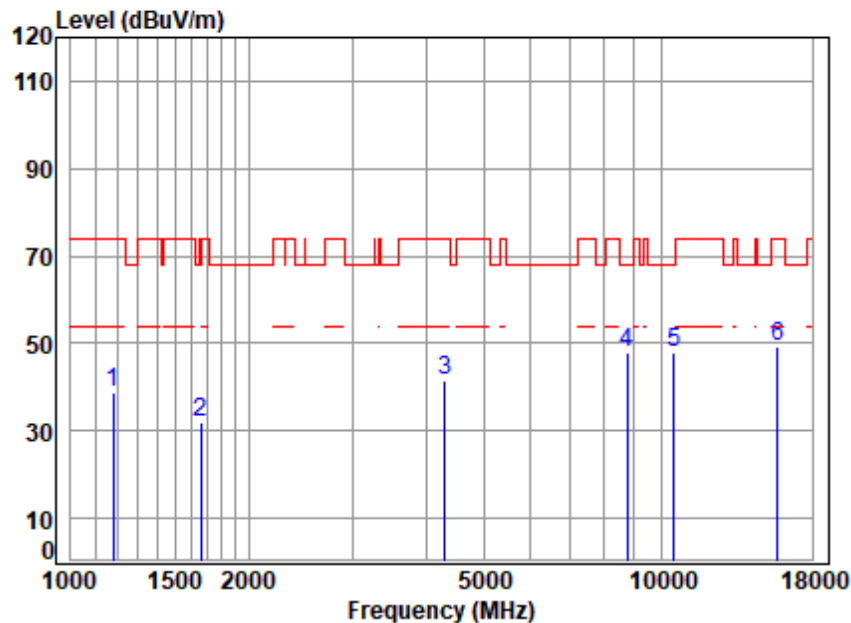
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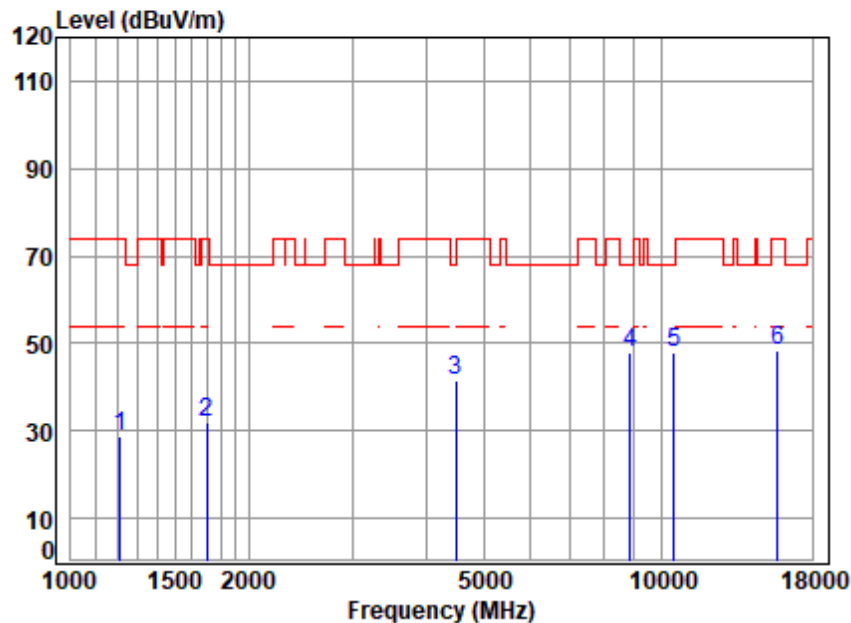
Test Mode: 44; Polarity: Horizontal; Modulation: OFDM; Channel: High



Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 01009AT\01010AT
 Mode : 5245 TX RSE
 Note : 5.1G SDR 10M

		Cable	Ant	Preamp	Read		Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1179.100	2.77	24.32	37.78	49.50	38.81	74.00	-35.19	peak
2	1663.137	3.45	26.73	36.48	38.30	32.00	74.00	-42.00	peak
3	4304.400	6.59	33.60	34.54	35.92	41.57	74.00	-32.43	peak
4	8764.146	9.92	36.70	35.63	37.12	48.11	68.20	-20.09	peak
5	10490.000	10.91	37.50	35.79	35.49	48.11	68.20	-20.09	peak
6	15735.000	13.84	41.17	37.55	31.99	49.45	74.00	-24.55	peak

Test Mode: 44; Polarity: Vertical; Modulation: OFDM; Channel: High



Site : chamber
Condition: 3m VERTICAL
Job No : 01009AT\01010AT
Mode : 5245 TX RSE
Note : 5.1G SDR 10M

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1210.174	2.82	24.42	37.68	39.00	28.56	74.00	-45.44	peak
2	1697.129	3.49	26.79	36.41	38.10	31.97	74.00	-42.03	peak
3	4495.125	6.77	33.50	34.67	36.06	41.66	68.20	-26.54	peak
4 q	8866.062	10.01	36.70	35.58	36.85	47.98	68.20	-20.22	peak
5	10490.000	10.91	37.50	35.79	35.36	47.98	68.20	-20.22	peak
6	15735.000	13.84	41.17	37.55	30.81	48.27	74.00	-25.73	peak



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SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230400100907

Page: 155 of 463

7.11 Frequency Stability

Test Requirement 47 CFR Part 15, Subpart E 15.407 (g)

Test Method: ANSI C63.10 (2013) Section 6.8

7.11.1 E.U.T. Operation

Operating Environment:

Temperature: 28.0 °C

Humidity: 42.0 % RH

Atmospheric Pressure: 1007 mbar

7.11.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	27	TX mode (5.8G SDR_1.4MHz)_Keep the EUT in transmitting mode
Final test	29	TX mode (5.8G SDR_3MHz)_Keep the EUT in transmitting mode
Final test	31	TX mode (5.8G SDR_5MHz)_Keep the EUT in transmitting mode
Final test	33	TX mode (5.8G SDR_10MHz)_Keep the EUT in transmitting mode
Final test	35	TX mode (5.8G SDR_20MHz)_Keep the EUT in transmitting mode
Final test	37	TX mode (5.8G SDR_40MHz)_Keep the EUT in transmitting mode
Final test	39	TX mode (5.8G SDR_60MHz)_Keep the EUT in transmitting mode
Final test	41	TX mode (5.8G SDR_80MHz)_Keep the EUT in transmitting mode
Final test	43	TX mode (5.1G SDR_10MHz)_Keep the EUT in transmitting mode
Final test	45	TX mode (5.1G SDR_20MHz)_Keep the EUT in transmitting mode
Final test	47	TX mode (5.1G SDR_40MHz)_Keep the EUT in transmitting mode



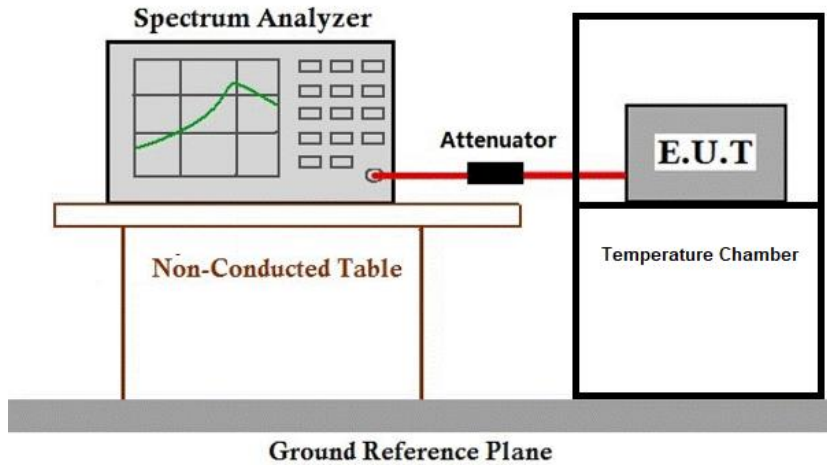
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7.11.3 Test Setup Diagram



7.11.4 Measurement Procedure and Data

Please Refer to Appendix for Details

8 Test Setup Photo

Refer to Appendix - Test Setup Photo for SZCR2304001009AT

9 EUT Constructional Details (EUT Photos)

Refer to External and Internal Photos for SZCR2304001009AT



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10 Appendix

Note: Both 1.4MHz and 3MHz supports mode A, mode B, mode C and mode D, 10MHz supports mode A, mode B, mode C; only the lowest and highest frequency were selected to test, among these modes, only the operation frequency is different, modulation type and target power are the same.

5.1G SDR SISO Mode:

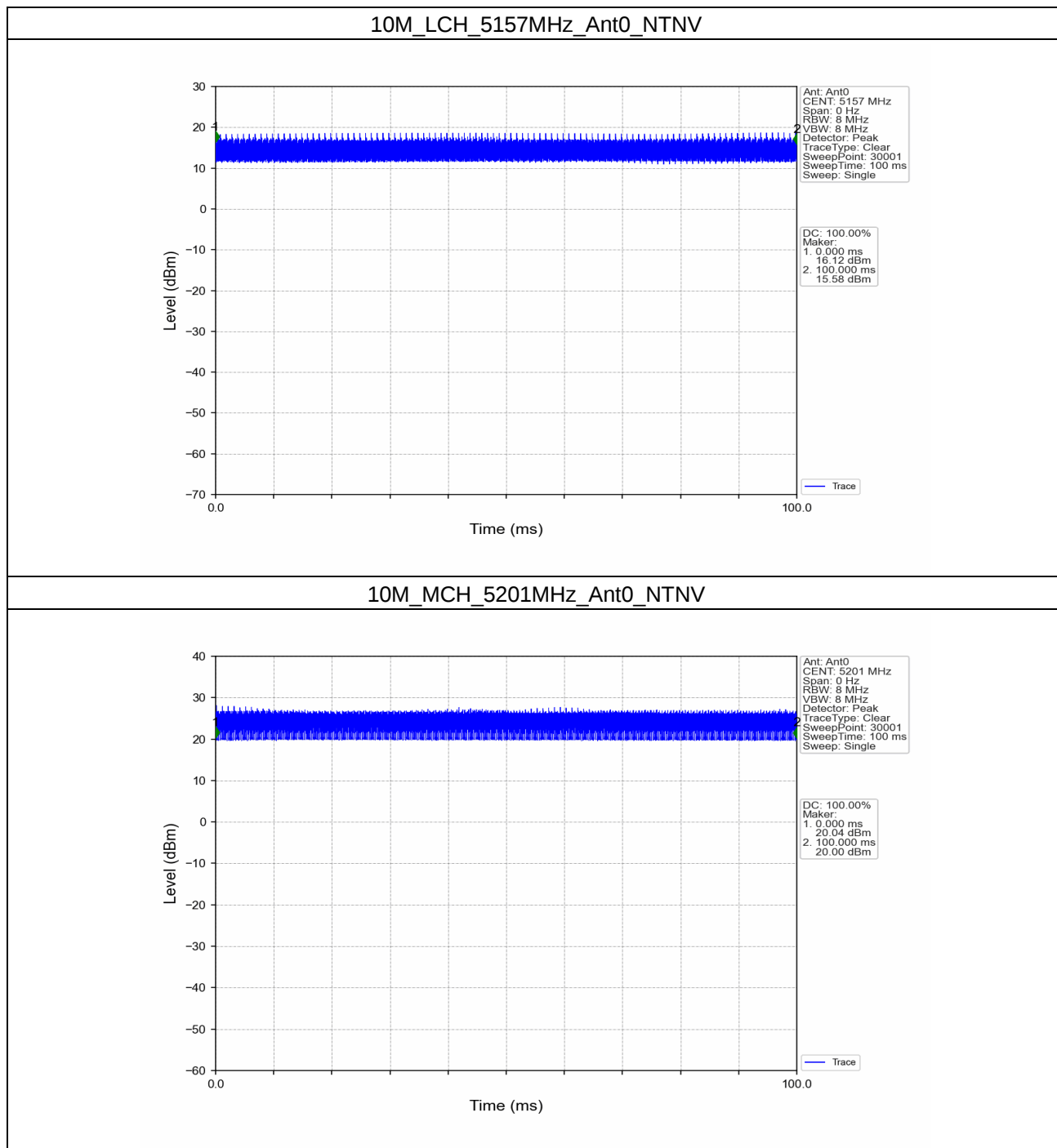
1. Duty Cycle

1.1 Ant0

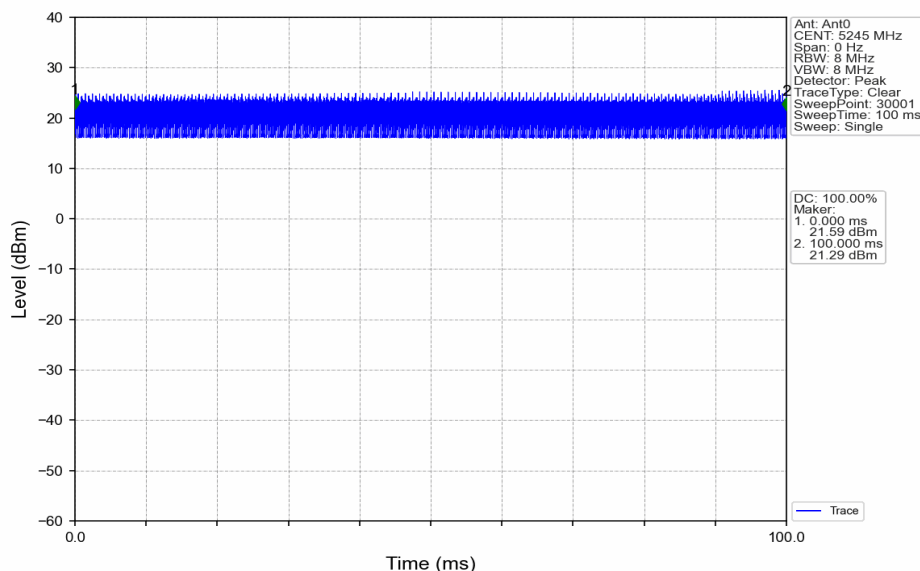
1.1.1 Test Result

Ant0							
Mode	TX Type	Frequency (MHz)	T _{on} (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
10M	SISO	5157	100.000	100.000	100.00	0.00	0.00
		5201	100.000	100.000	100.00	0.00	0.00
		5245	100.000	100.000	100.00	0.00	0.00
20M	SISO	5161	100.000	100.000	100.00	0.00	0.00
		5201	100.000	100.000	100.00	0.00	0.00
		5240	100.000	100.000	100.00	0.00	0.00
40M	SISO	5170	100.000	100.000	100.00	0.00	0.00
		5200	100.000	100.000	100.00	0.00	0.00
		5230	100.000	100.000	100.00	0.00	0.00

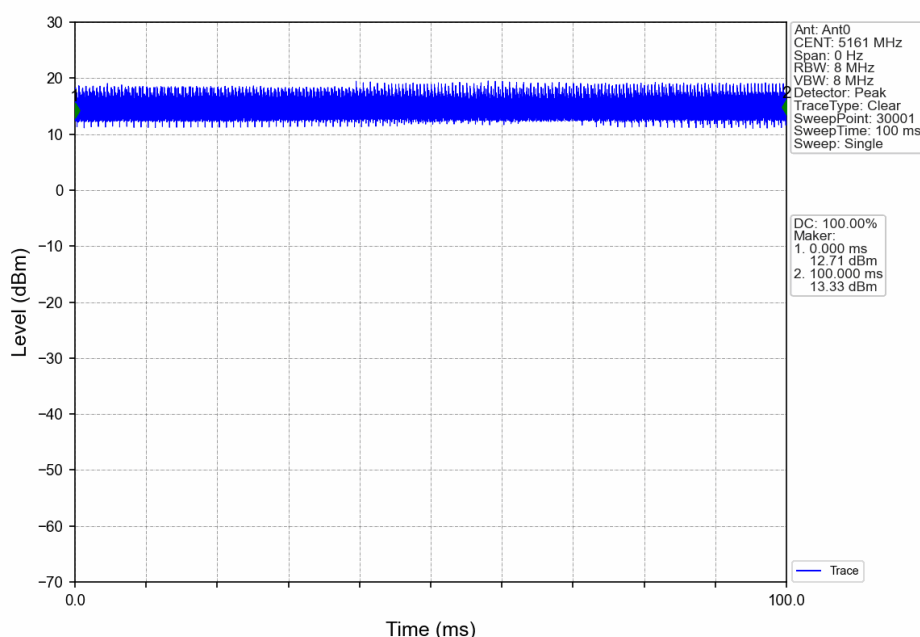
1.1.2 Test Graph



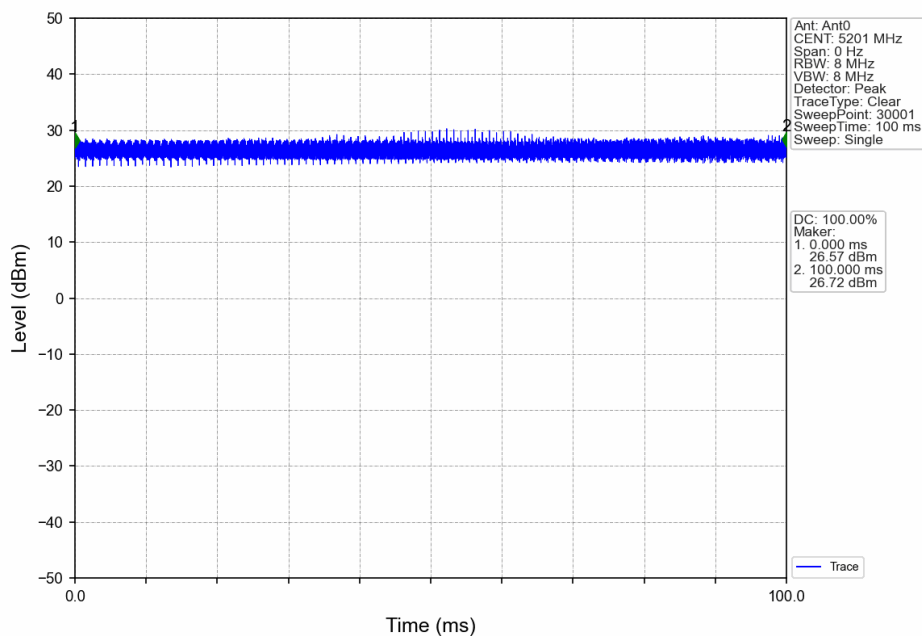
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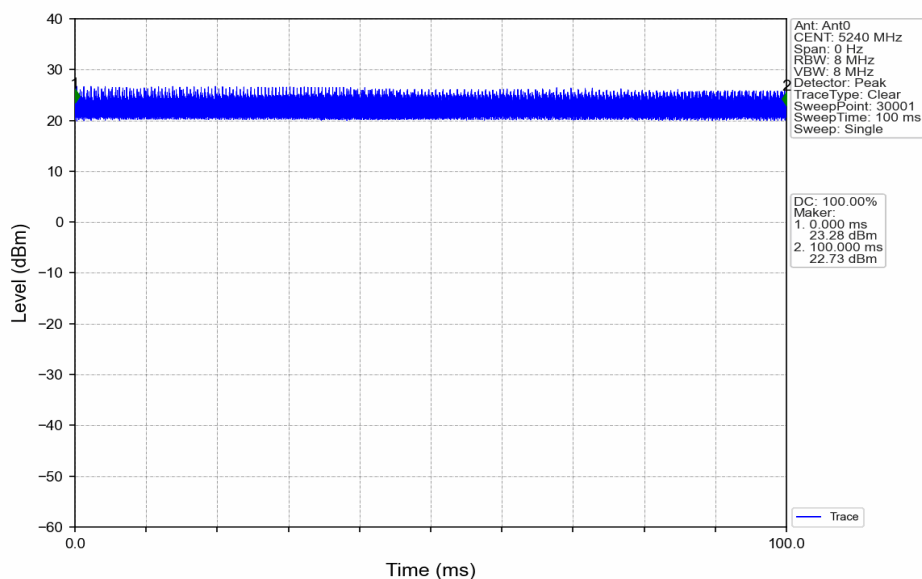
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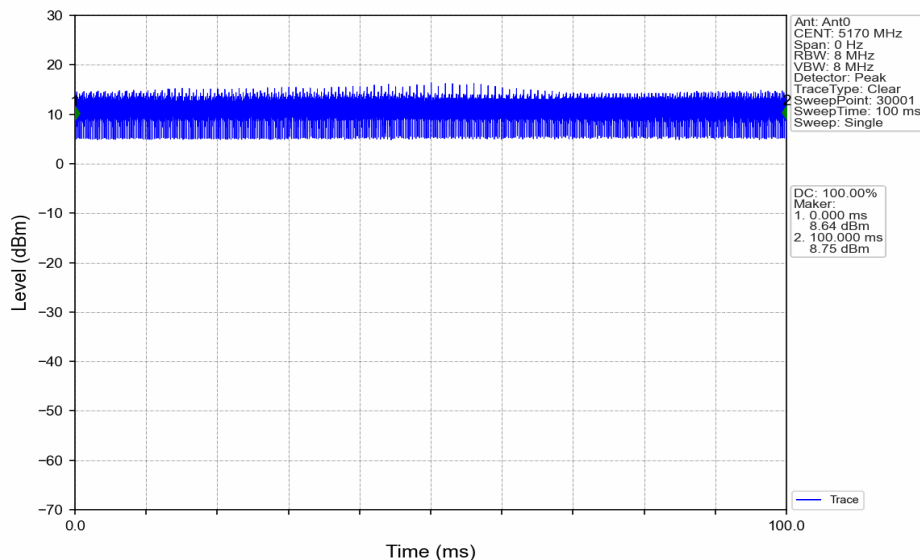
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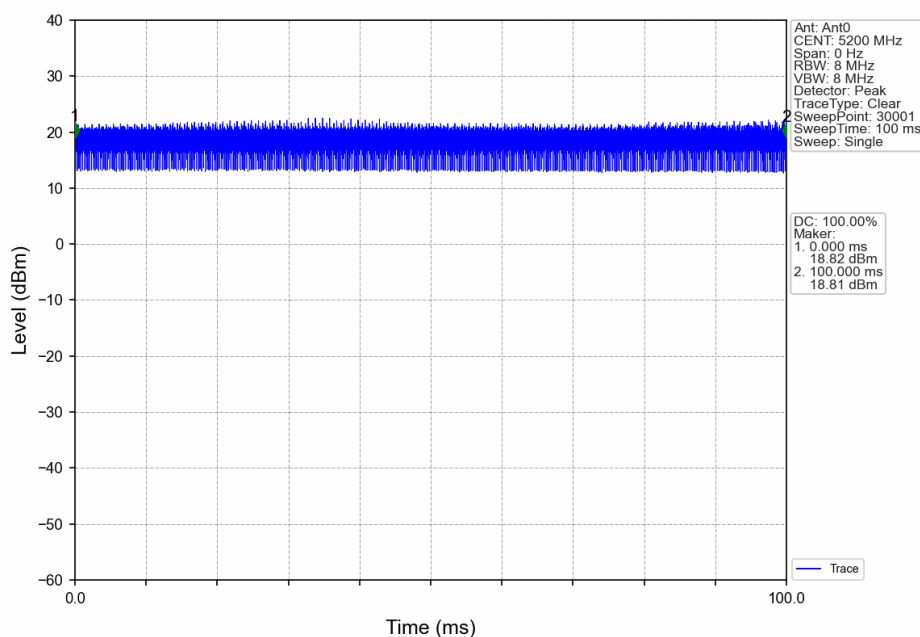
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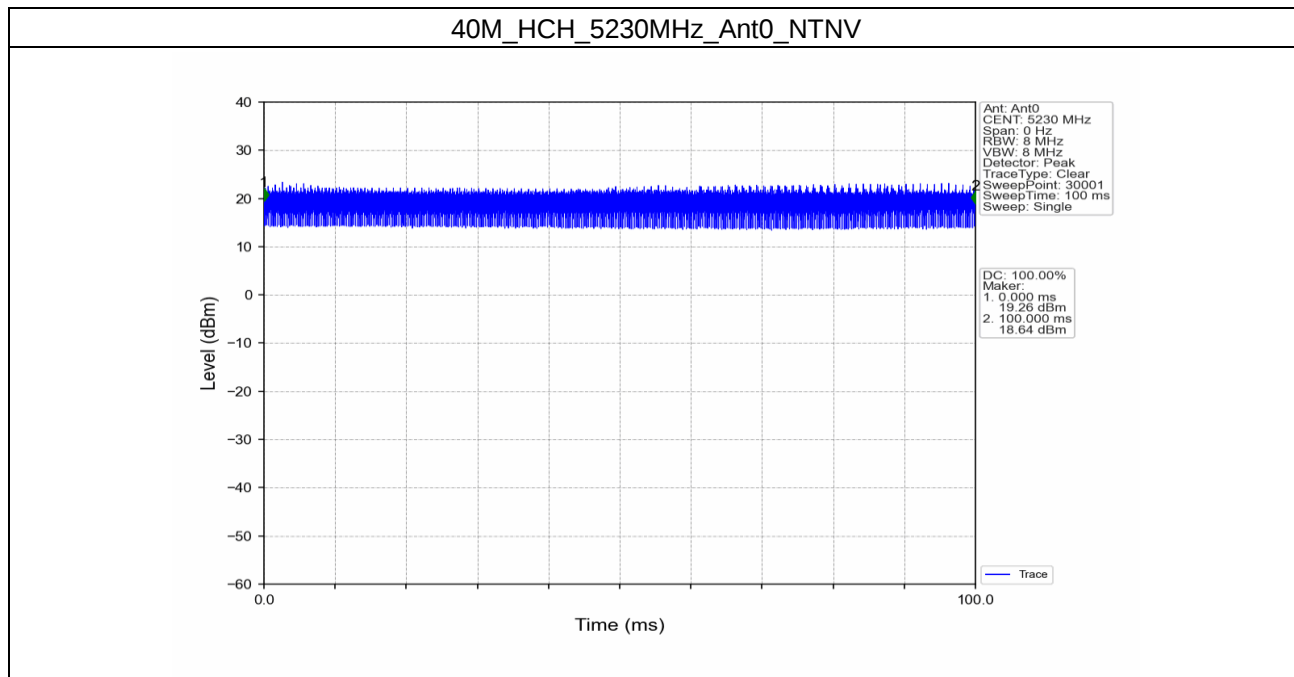


40M_LCH_5170MHz_Ant0_NTNV



40M_MCH_5200MHz_Ant0_NTNV





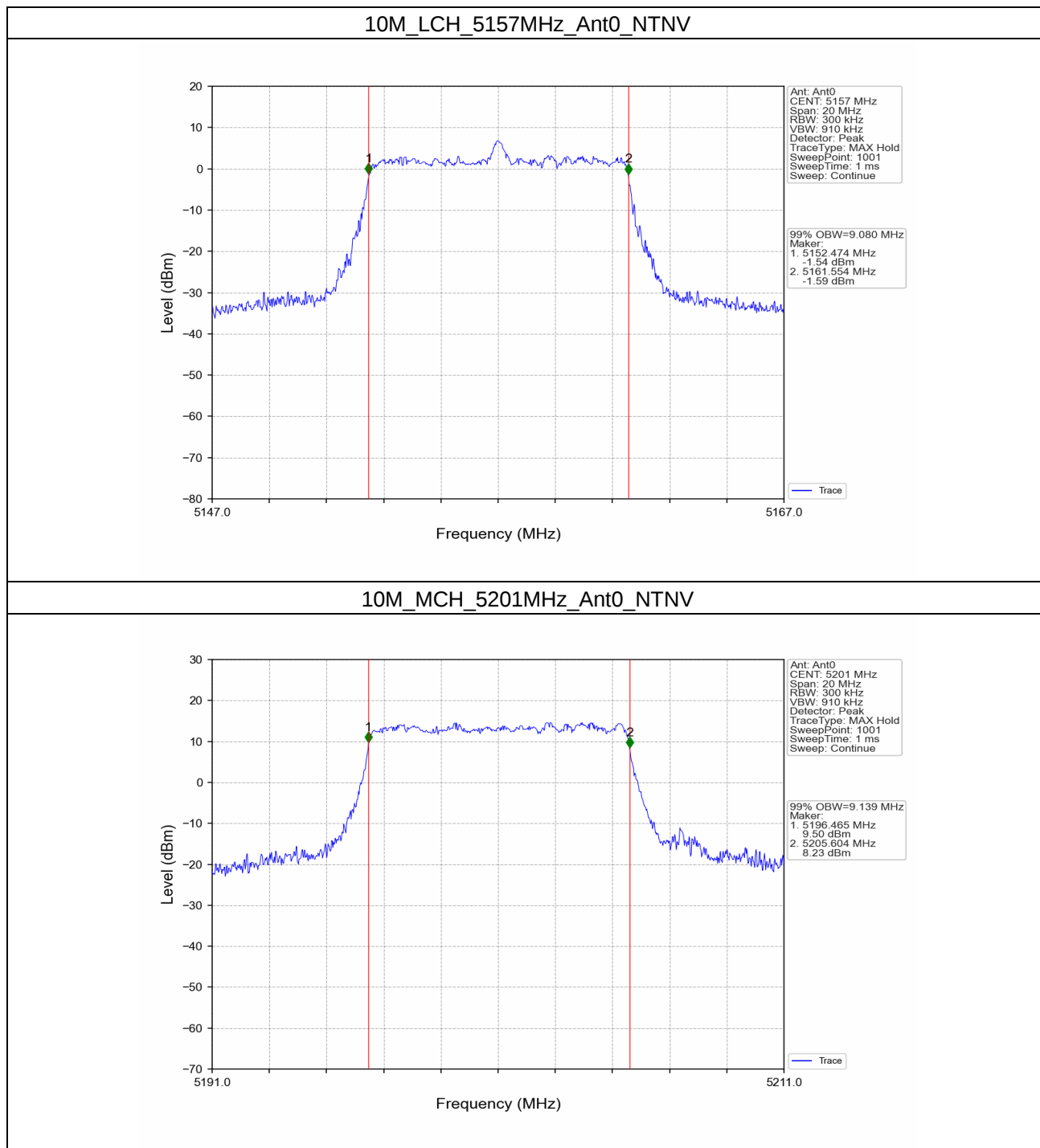
2. Bandwidth

2.1 OBW

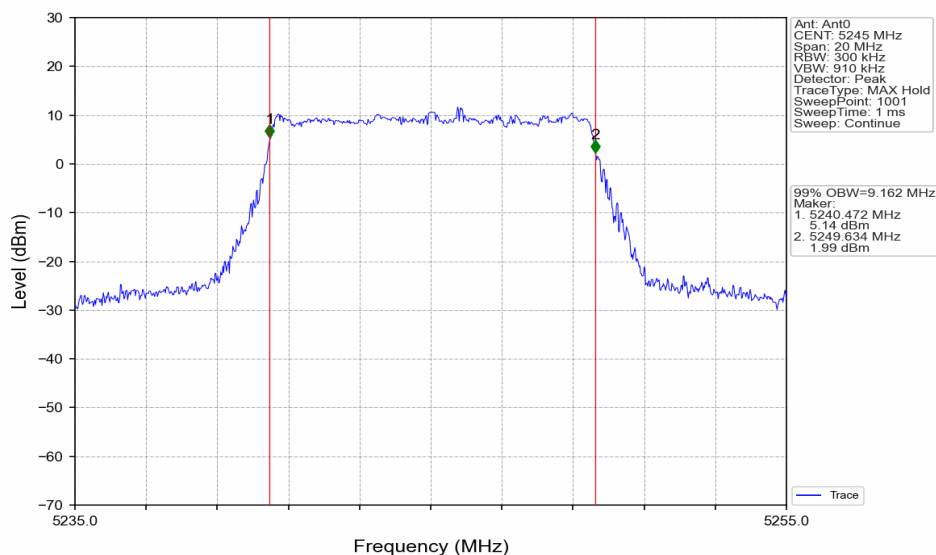
2.1.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)	Verdict
				Result	
10M	SISO	5157	0	9.080	Pass
		5201	0	9.139	Pass
		5245	0	9.162	Pass
20M	SISO	5161	0	18.179	Pass
		5201	0	28.072	Pass
		5240	0	18.241	Pass
40M	SISO	5170	0	36.252	Pass
		5200	0	36.824	Pass
		5230	0	36.829	Pass

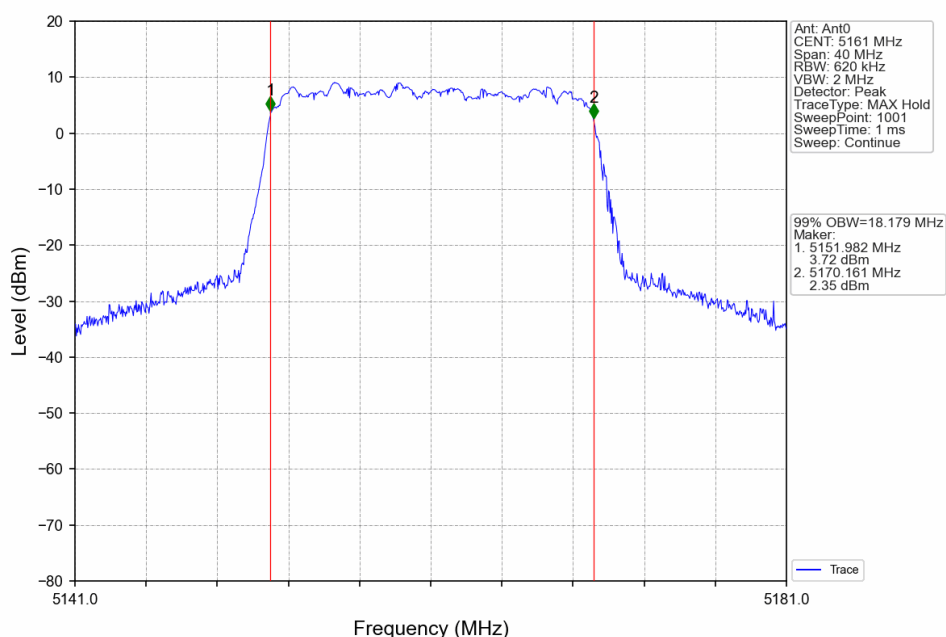
2.1.2 Test Graph



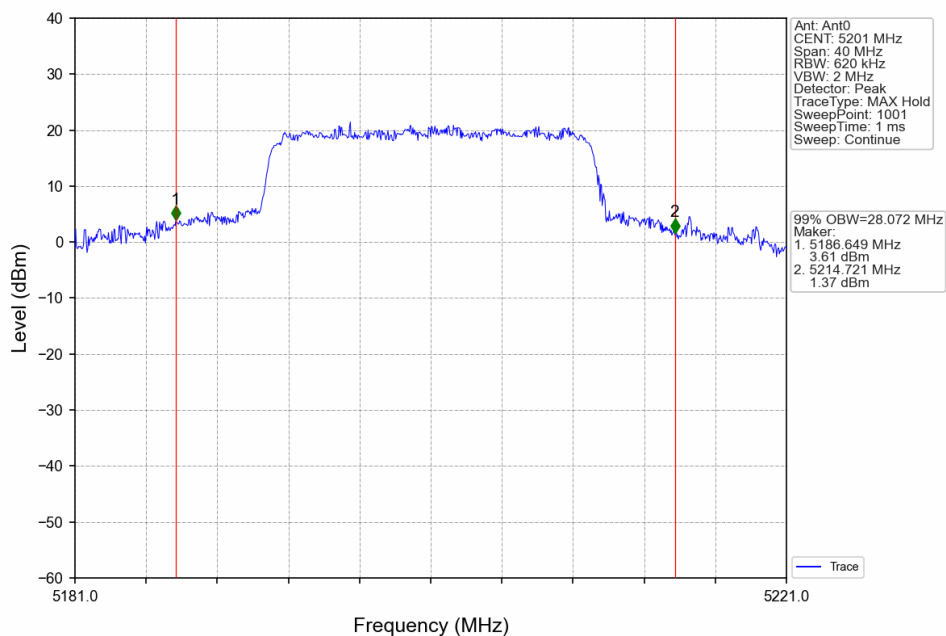
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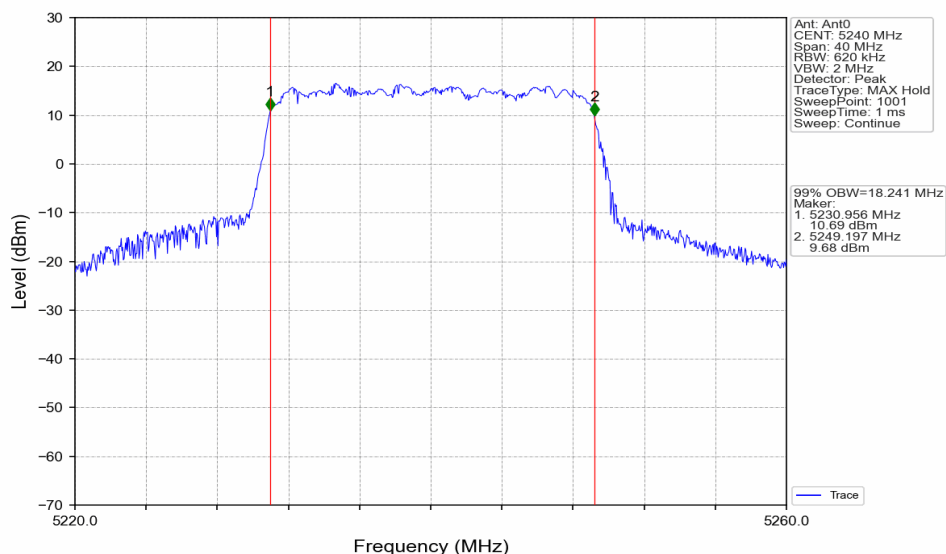
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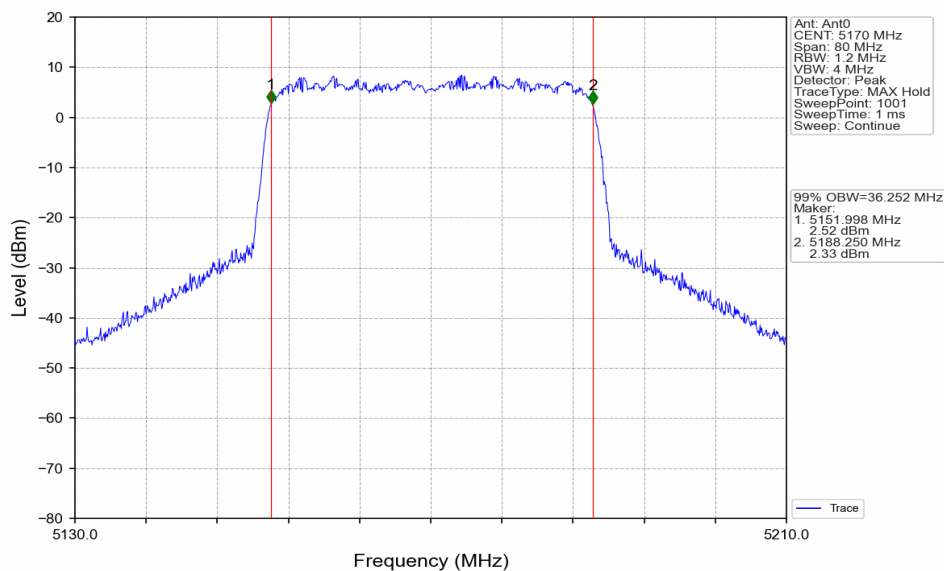
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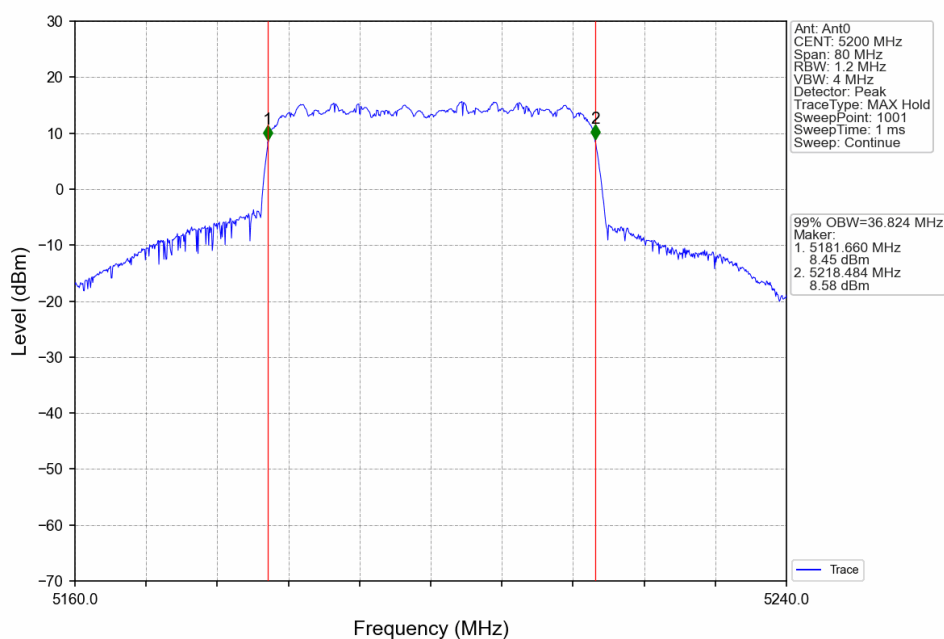
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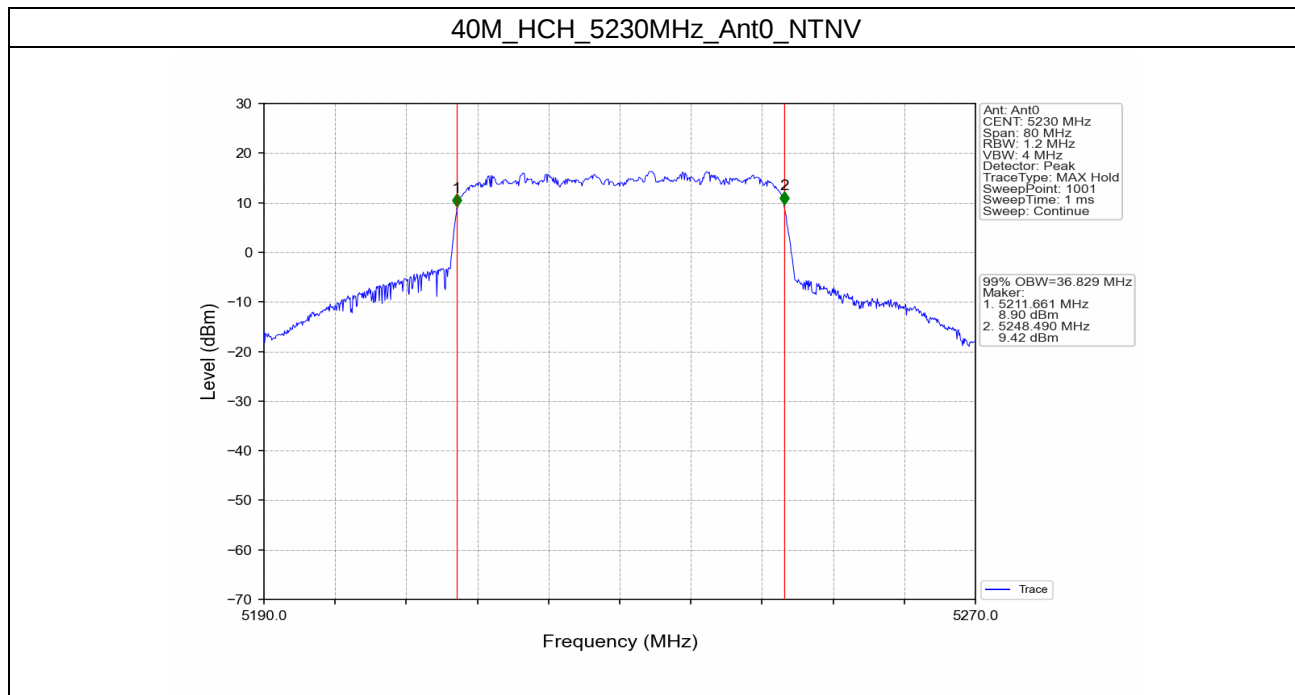


40M_LCH_5170MHz_Ant0_NTNV



40M_MCH_5200MHz_Ant0_NTNV





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SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230400100907

Page: 170 of 463

2.2 26dB BW

2.2.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	26dB Bandwidth (MHz)	Verdict
				Result	
10M	SISO	5157	0	9.653	Pass
		5201	0	10.452	Pass
		5245	0	10.634	Pass
20M	SISO	5161	0	19.811	Pass
		5201	0	43.686	Pass
		5240	0	19.665	Pass
40M	SISO	5170	0	38.244	Pass
		5200	0	42.271	Pass
		5230	0	43.272	Pass



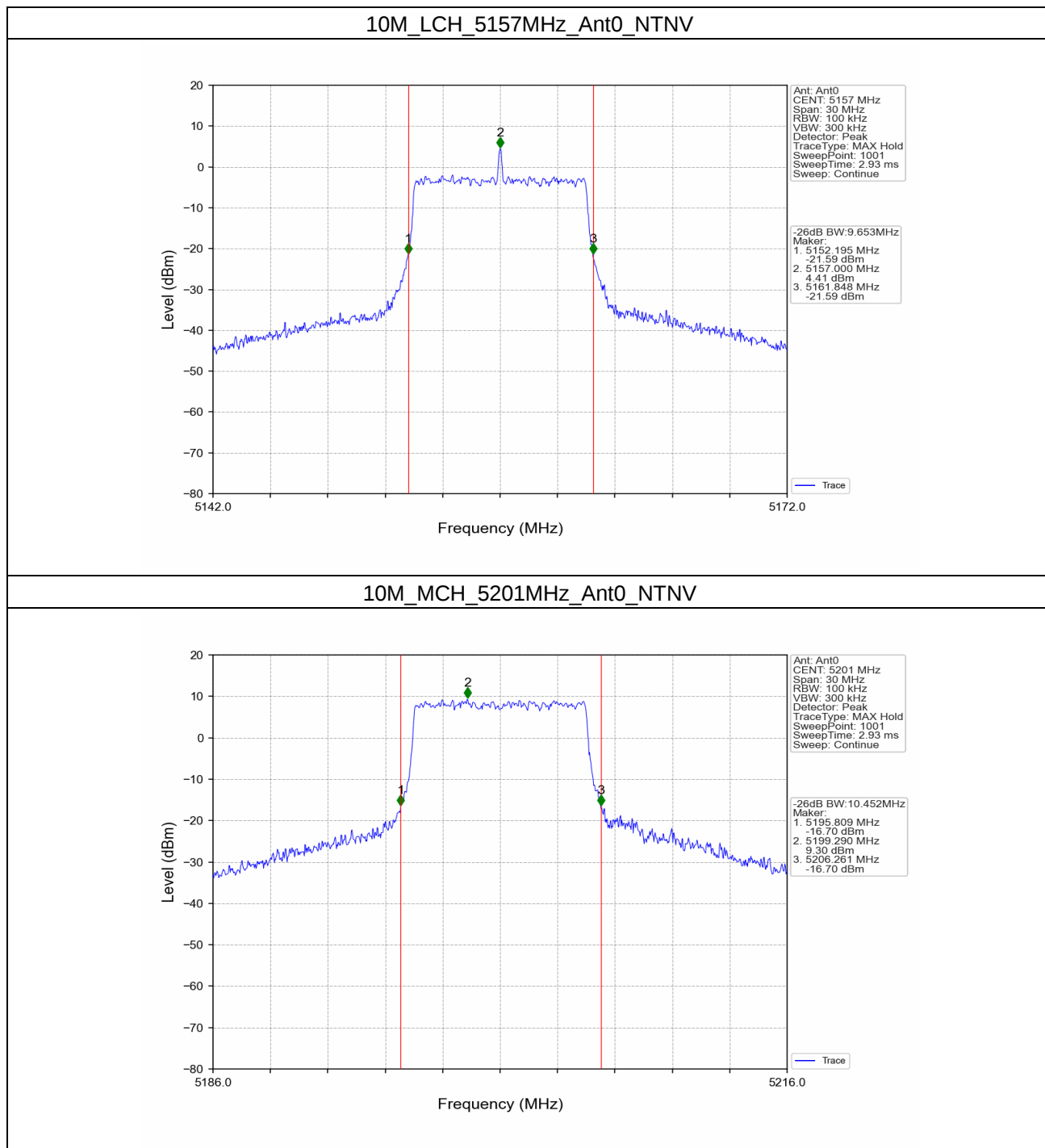
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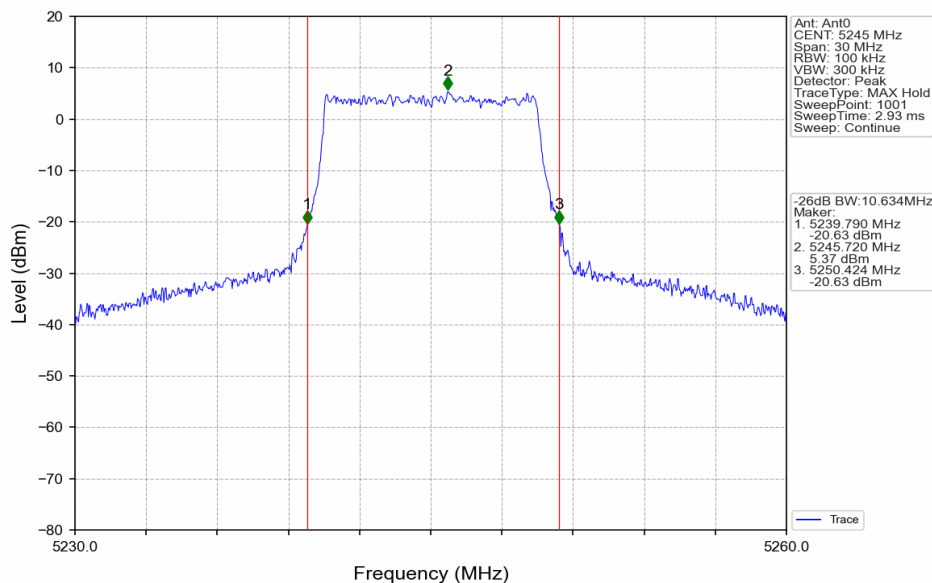
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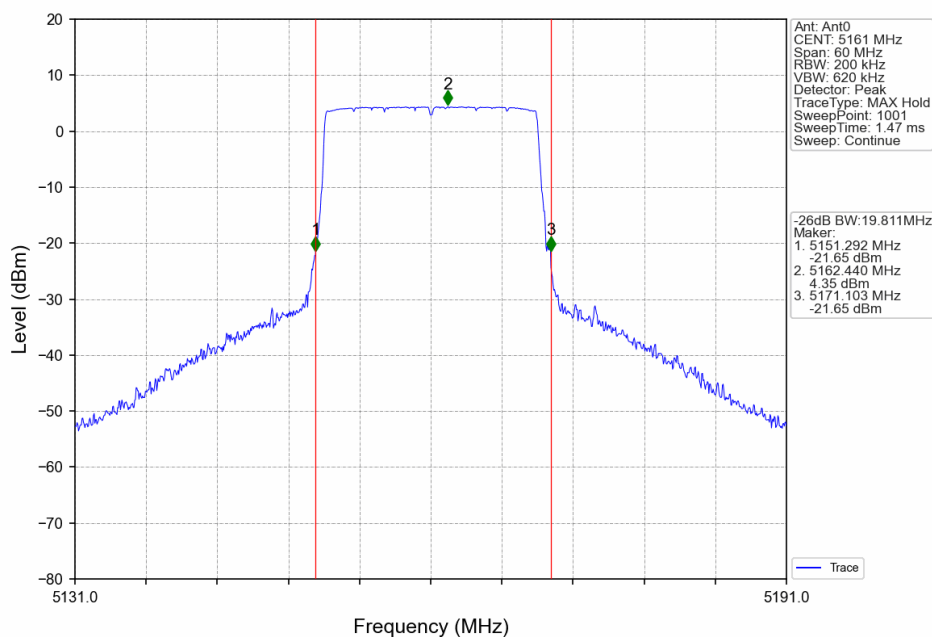
2.2.2 Test Graph



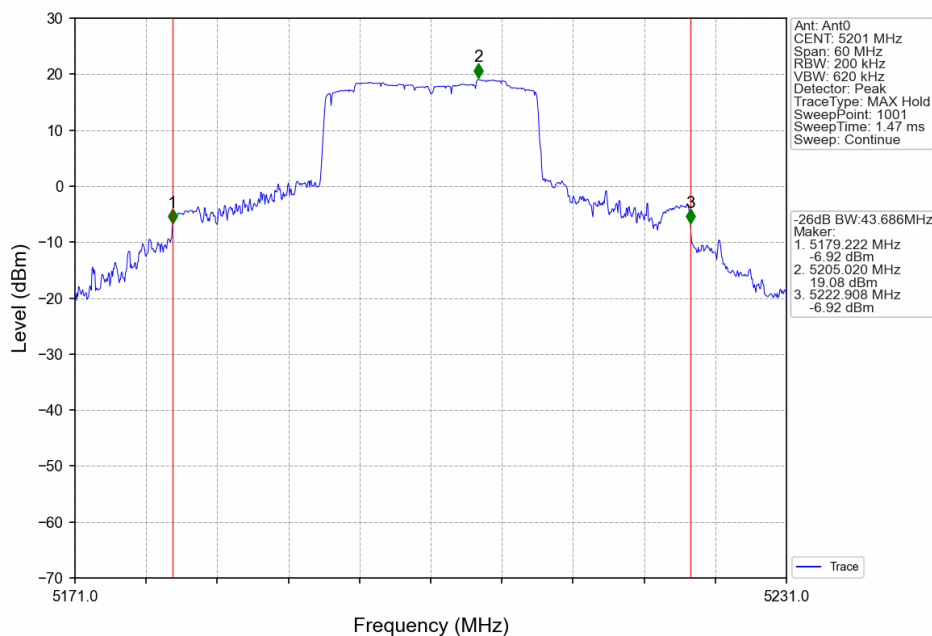
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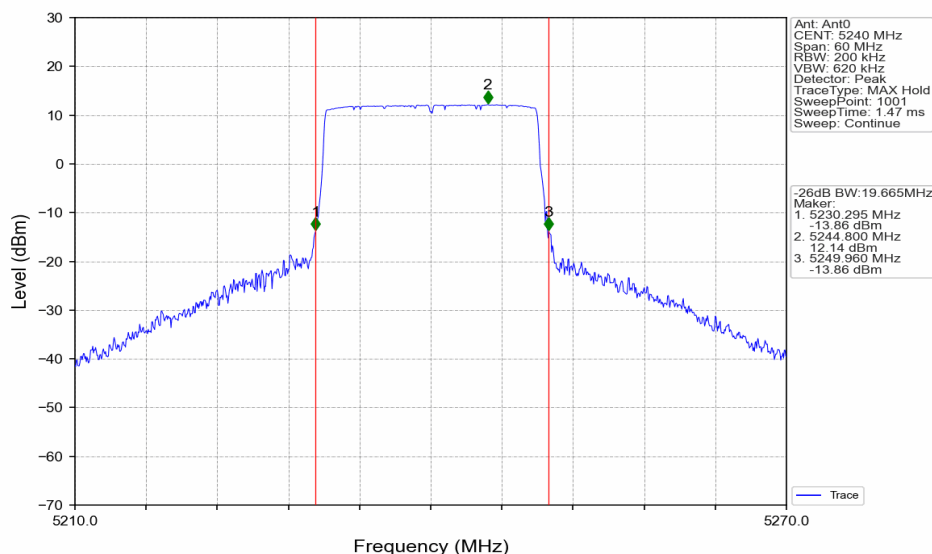
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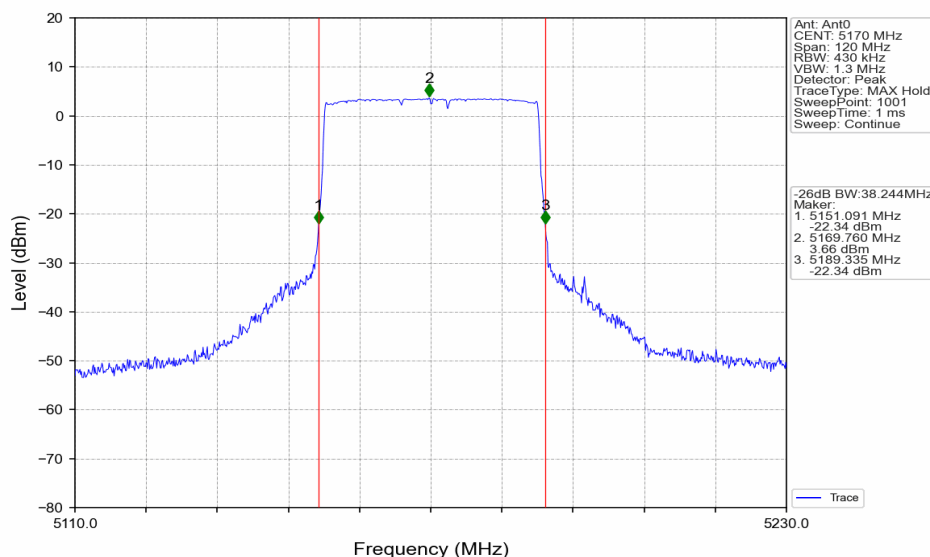
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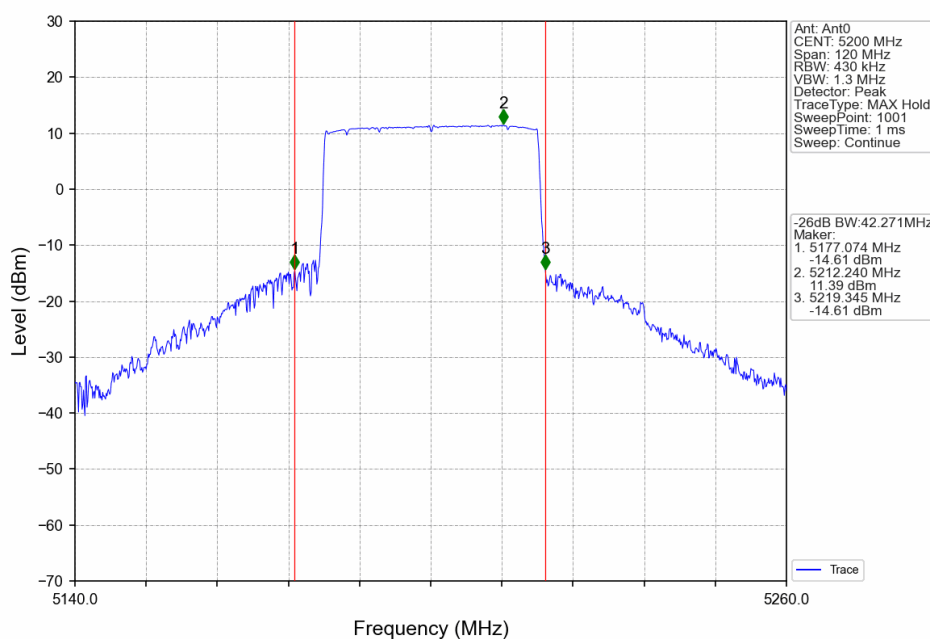
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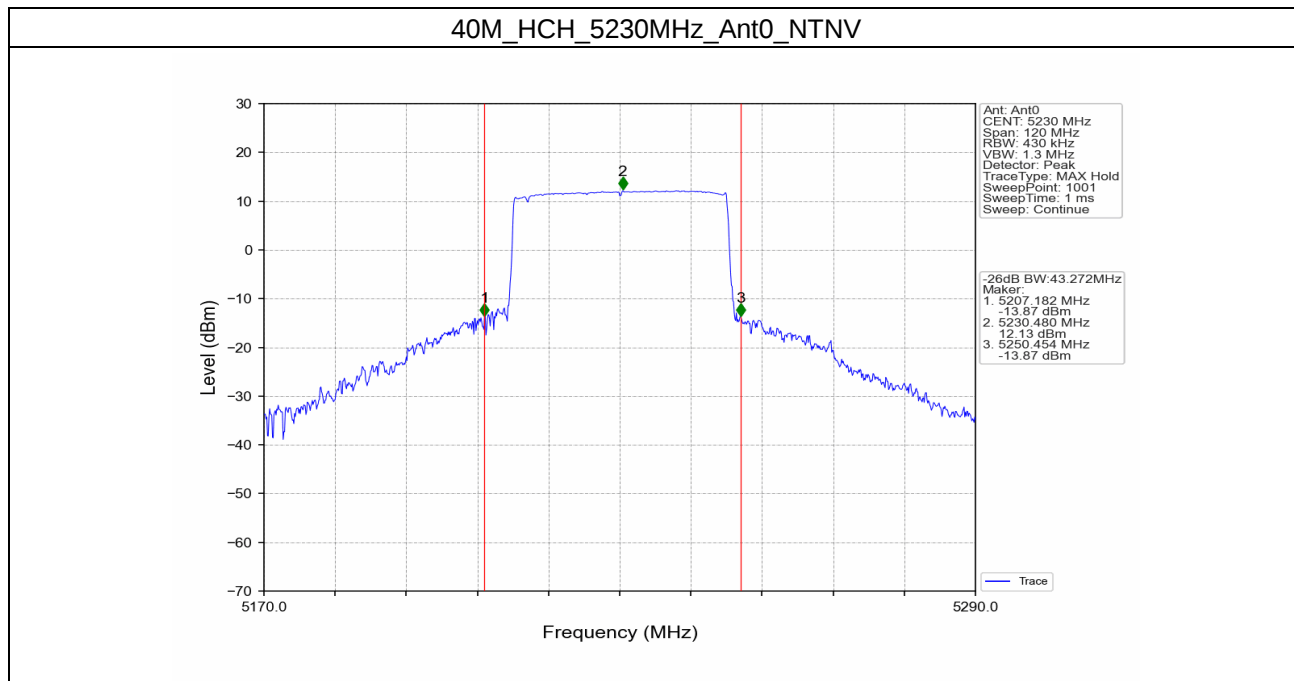


40M_LCH_5170MHz_Ant0_NTNV



40M_MCH_5200MHz_Ant0_NTNV





3. Maximum Conducted Output Power

3.1 Power

3.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Maximum Average Conducted Output Power (dBm)					Verdict
			ANT0	ANT1	ANT2	ANT3	Limit	
10M	SISO	5157	7.42	5.04	4.64	6.63	<=23.98	Pass
		5201	19.38	19.45	18.43	18.93	<=23.98	Pass
		5245	19.26	18.70	18.57	18.98	<=23.98	Pass
20M	SISO	5161	15.85	14.19	13.63	15.59	<=23.98	Pass
		5201	19.41	17.36	17.02	18.97	<=23.98	Pass
		5240	19.07	17.54	17.24	18.84	<=23.98	Pass
40M	SISO	5170	9.54	8.43	7.90	8.92	<=23.98	Pass
		5200	19.52	19.64	18.55	18.89	<=23.98	Pass
		5230	18.77	17.46	16.89	18.65	<=23.98	Pass

Note1: Antenna Gain: ANT0: 1.5dBi, ANT1&ANT2: 3dBi, ANT3: 2dBi

4. Maximum Power Spectral Density

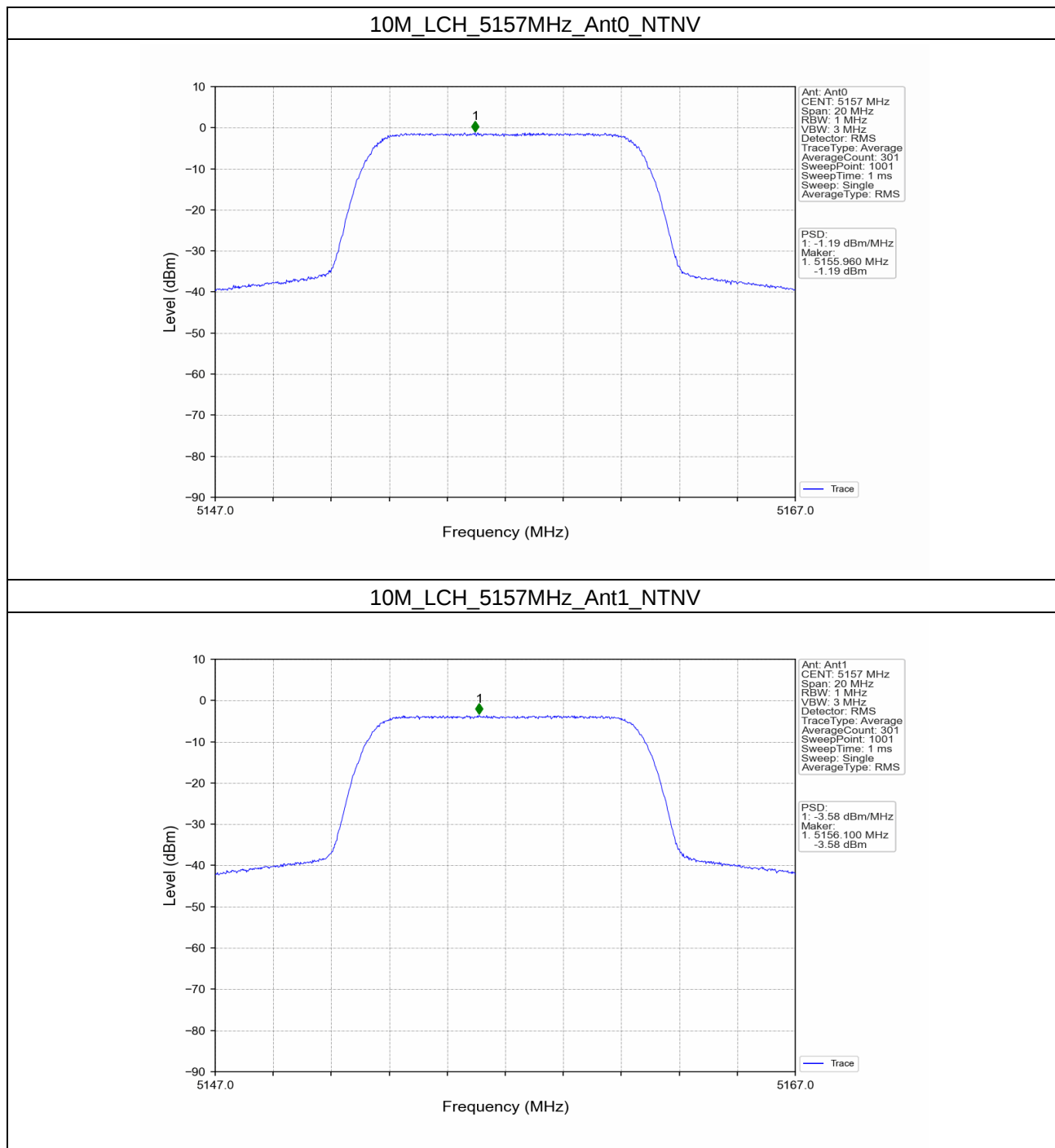
4.1 PSD

4.1.1 Test Result

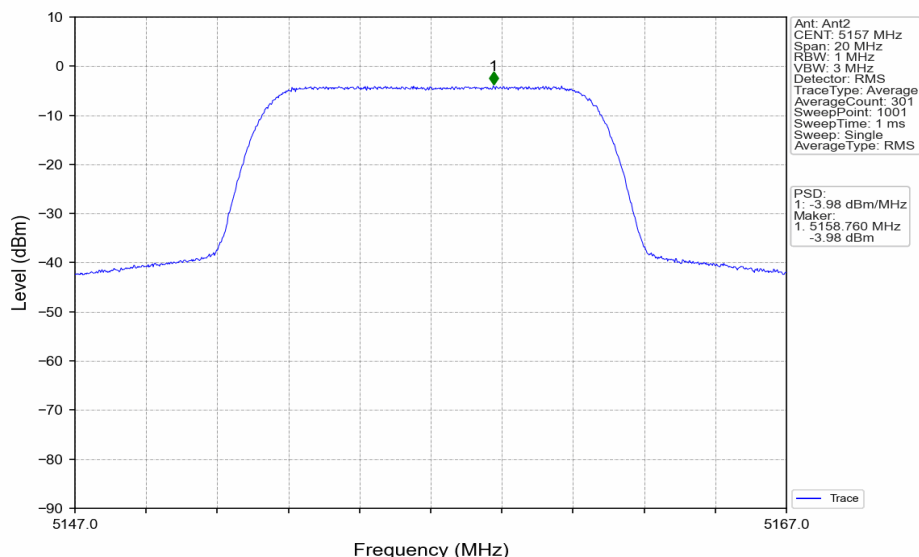
Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/MHz)					Verdict
			ANT0	ANT1	ANT2	ANT3	Limit	
10M	SISO	5157	-1.19	-3.58	-3.98	-2.02	<=11	Pass
		5201	10.78	10.83	9.71	10.28	<=11	Pass
		5245	10.70	10.08	9.95	10.35	<=11	Pass
20M	SISO	5161	4.15	2.68	1.97	4.00	<=11	Pass
		5201	7.82	5.61	5.32	7.22	<=11	Pass
		5240	7.60	5.94	5.56	7.17	<=11	Pass
40M	SISO	5170	-5.05	-6.28	-6.64	-5.56	<=11	Pass
		5200	4.58	4.40	4.22	4.45	<=11	Pass
		5230	4.57	3.02	2.51	4.18	<=11	Pass

Note1: Antenna Gain: ANT0: 1.5dBi, ANT1&ANT2: 3dBi, ANT3: 2dBi

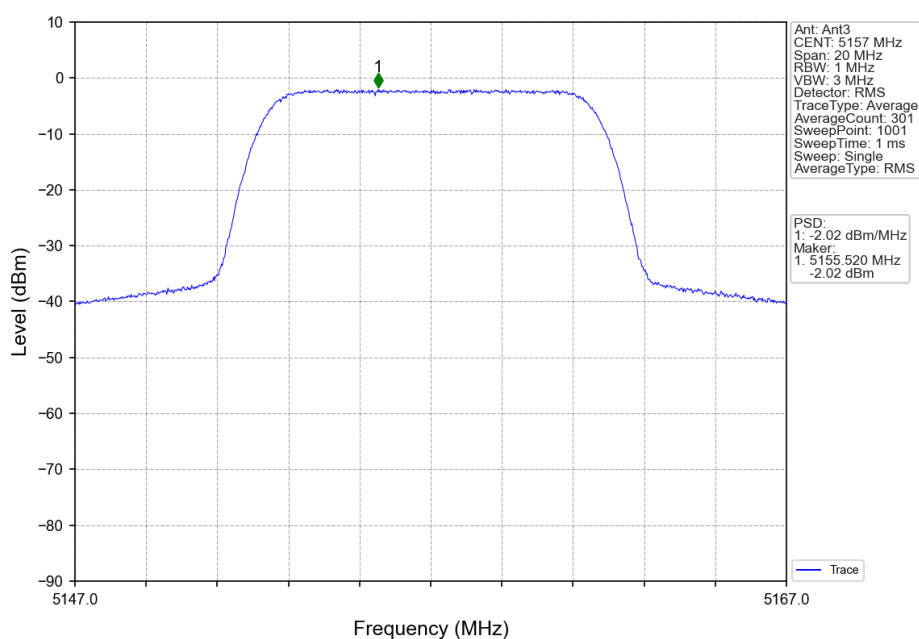
4.1.2 Test Graph



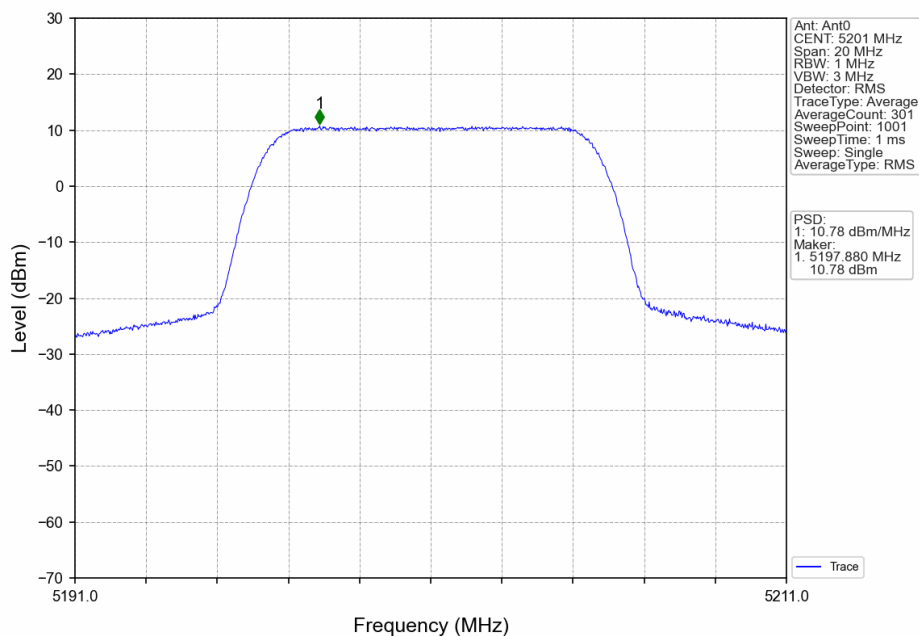
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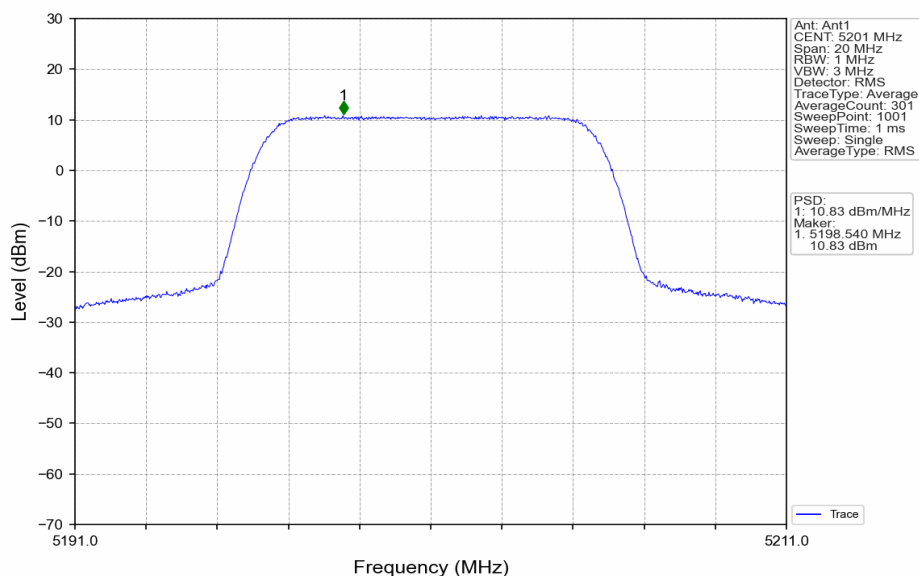
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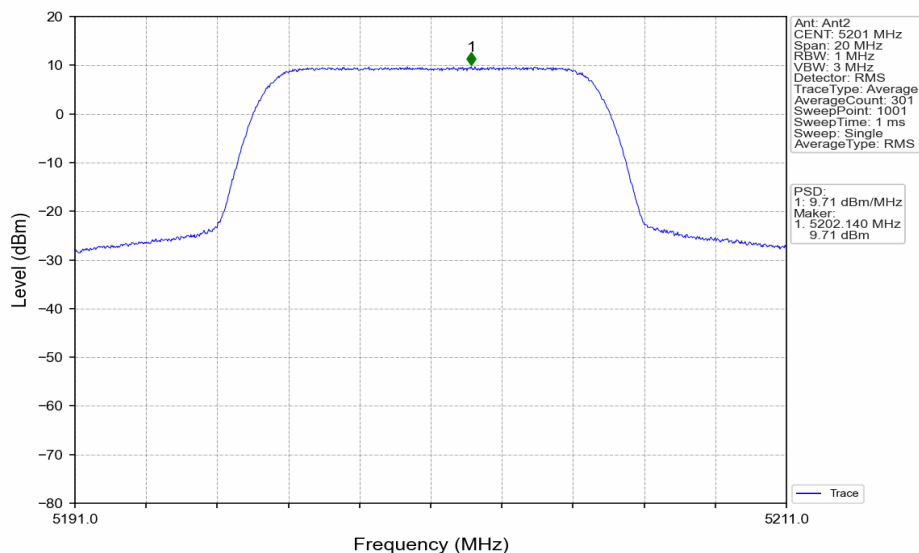
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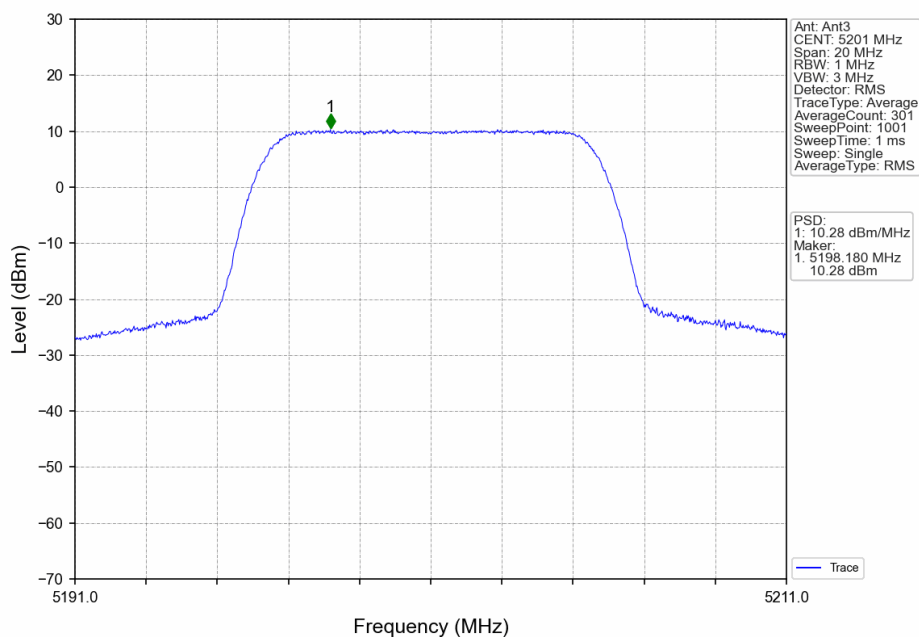
10M_MCH_5201MHz_Ant1_NTNV



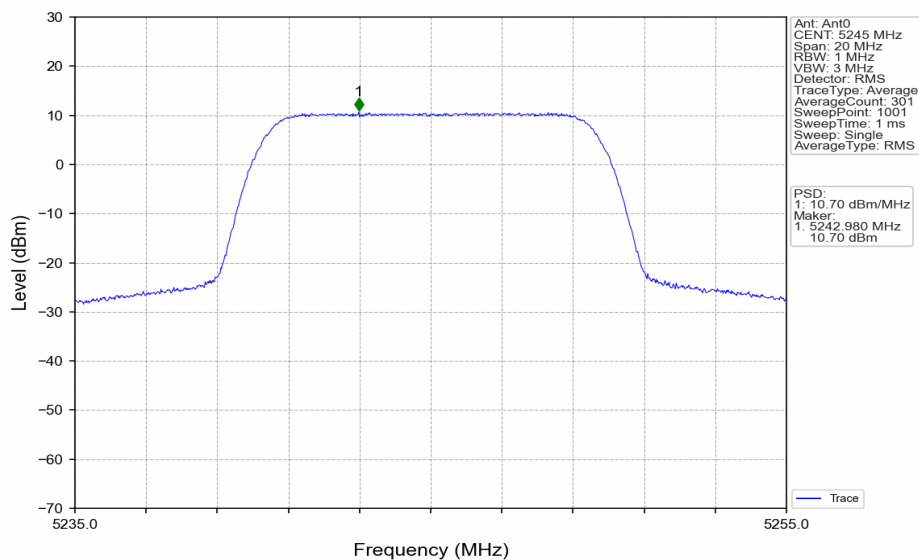
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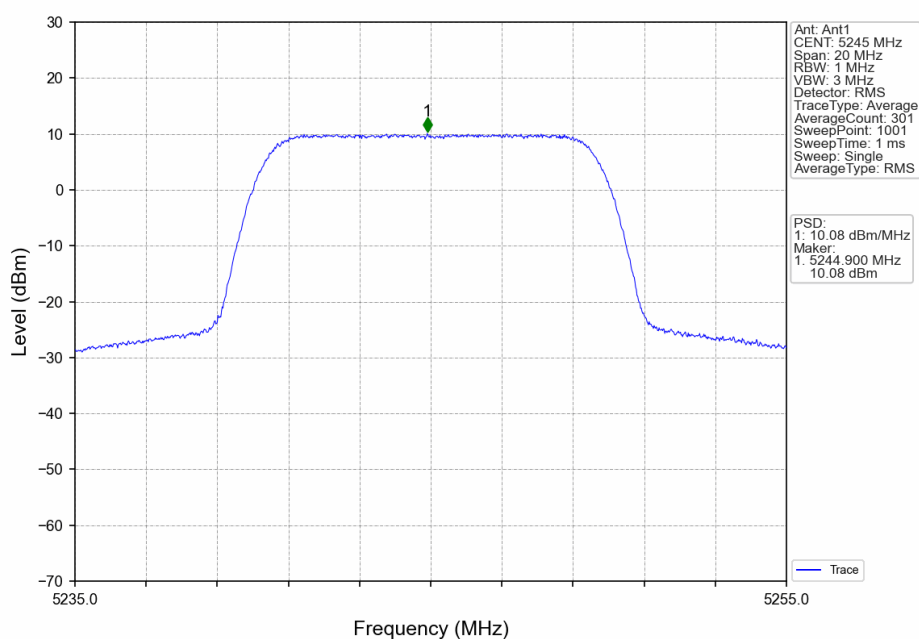
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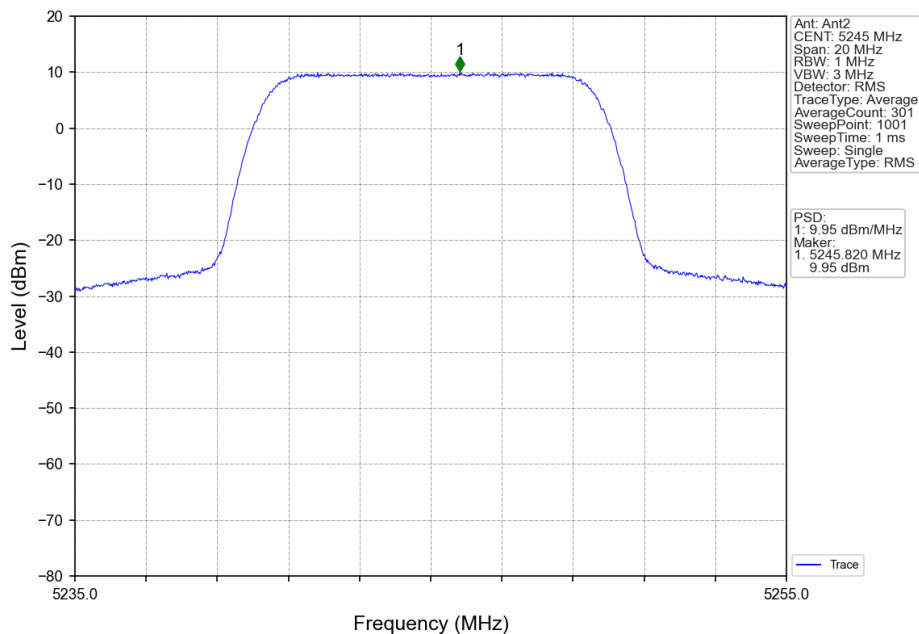
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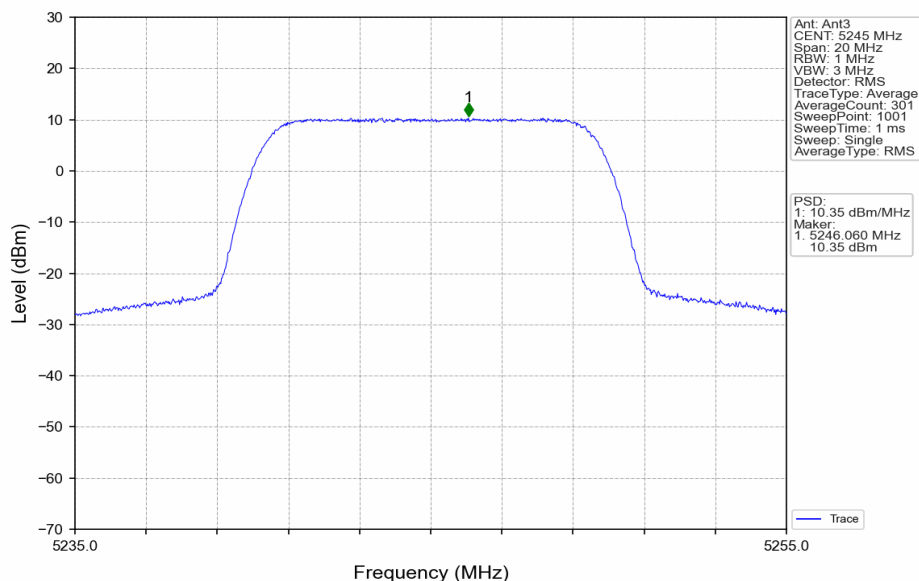
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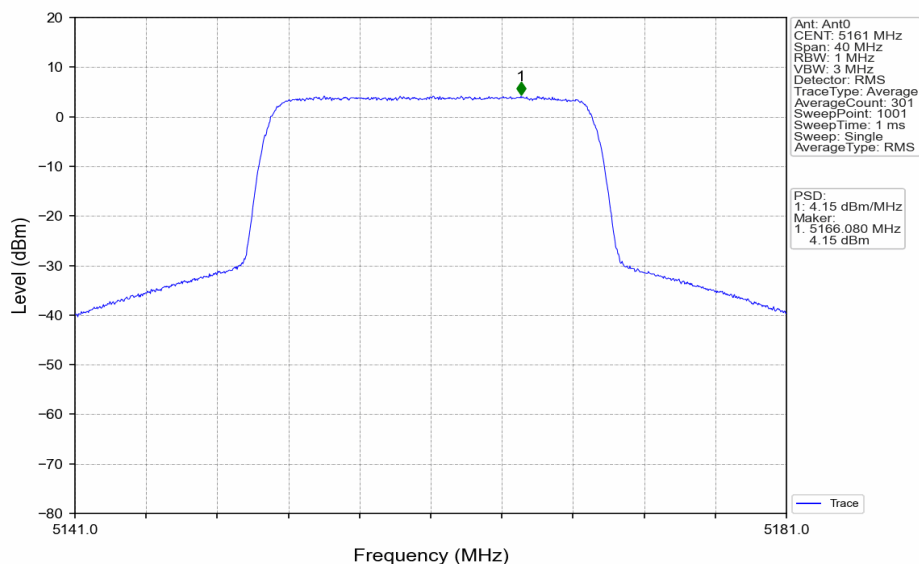
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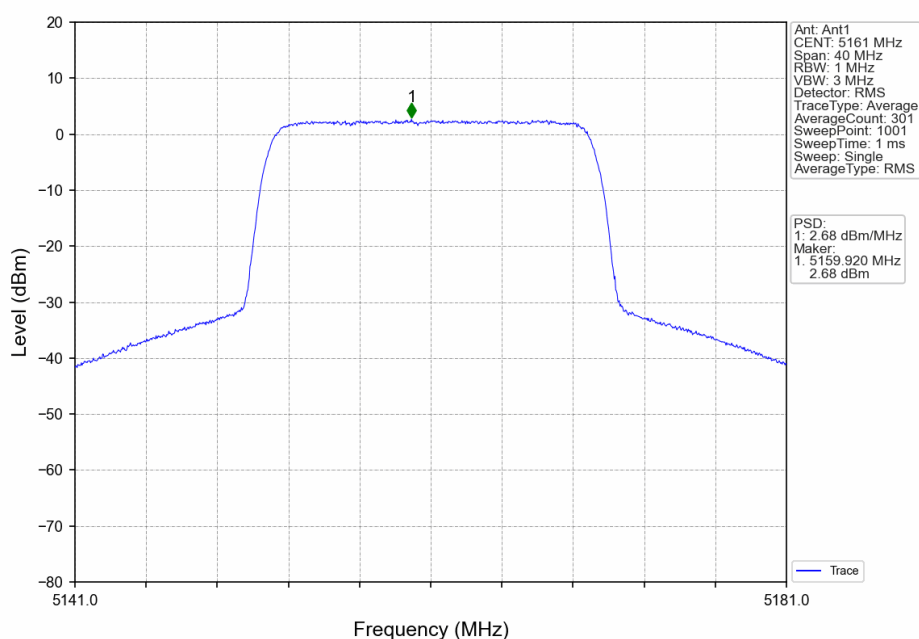
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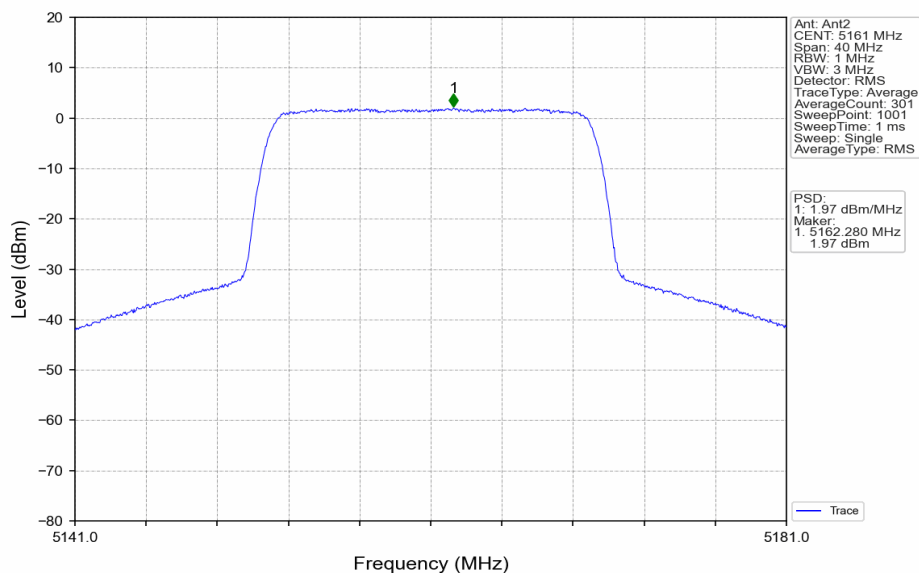
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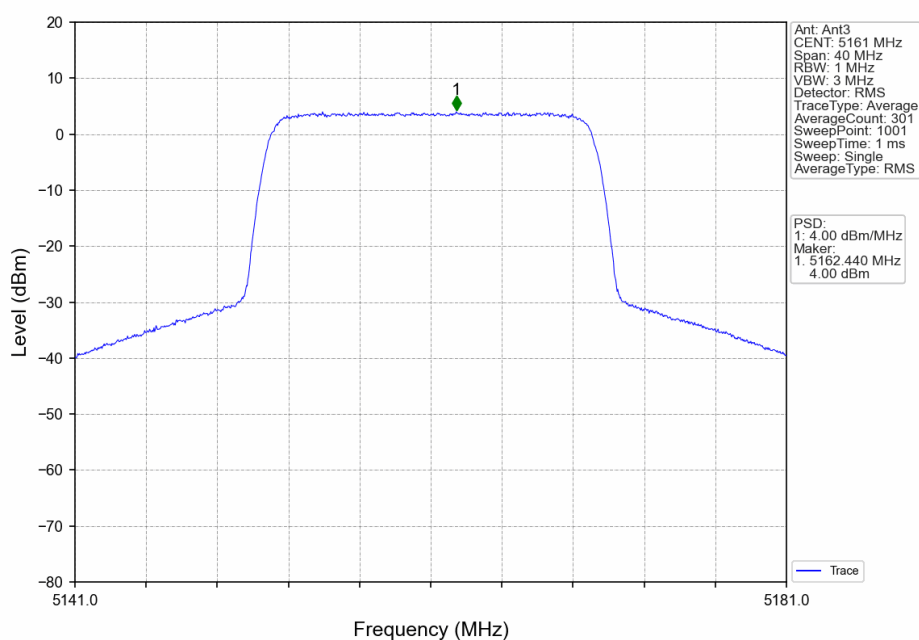
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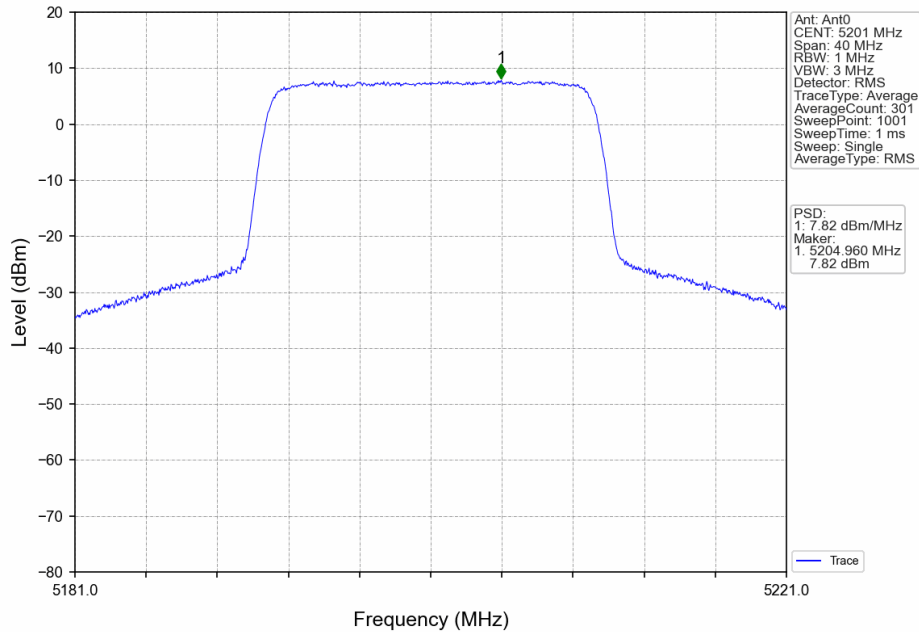
20M_LCH_5161MHz_Ant2_NTNV



20M_LCH_5161MHz_Ant3_NTNV



20M_MCH_5201MHz_Ant0_NTNV



20M_MCH_5201MHz_Ant1_NTNV

