

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

SZEMC-TRF-01 Rev. A/1

Report No.: SZCR240600214005

Page: 1 of 301

TEST REPORT

Application No.: SZCR2406002140AT
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 TRACK
Model No.: TKTA
Trade Mark: DJI
FCC ID: SS3-TKTA24
Standard(s) : 47 CFR Part 15, Subpart E 15.407
Date of Receipt: 2024-06-05
Date of Test: 2024-06-22 to 2024-08-02
Date of Issue: 2024-08-06

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

Kenx. Xu

Keny Xu
EMC Laboratory Manager



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

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Revision Record				
Version	Chapter	Date	Modifier	Remark
01		2024-08-06		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
Maximum Conducted output power		KDB 789033 D02 II E	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 (Above 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
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
Peak Power spectrum density		KDB 789033 D02 II F	47 CFR Part 15, Subpart E 15.407 (a)	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



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4 General Information

4.1 Details of E.U.T.

Power supply:	Powered by Lithium Ion Rechargeable Battery. Battery information Model: BRX100-1750-3.85 Nominal voltage: 3.85V Rated capacity: 1750mAh
Operation Frequency:	5.1G SDR 1.4MHz mode A: 5154MHz-5248MHz 1.4MHz mode B: 5156.19MHz-5246.19MHz 1.4MHz mode C: 5157.81MHz-5247.81MHz 3MHz mode A: 5154MHz-5247MHz 3MHz mode B: 5158.38MHz-5243.38MHz 3MHz mode C: 5161.62MHz-5246.62MHz 5MHz mode A: 5155MHz-5247MHz 5MHz mode B: 5155.76MHz-5239.76MHz 5MHz mode C: 5162.24MHz-5246.24MHz 10MHz mode A: 5157MHz-5245MHz 10MHz mode B: 5157.25MHz-5231.25MHz 10MHz mode C: 5170.75MHz-5244.75MHz 20MHz: 5161MHz-5240MHz 40MHz: 5170MHz-5230MHz 60MHz: 5180MHz-5220MHz 80MHz: 5190MHz-5210MHz 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: 5730.75MHz-5830.75MHz 10MHz mode C: 5744.25MHz-5844.25MHz



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	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 1.4MHz mode A: 2MHz 1.4MHz mode B: 3MHz 1.4MHz mode C: 3MHz 3MHz mode A: 3MHz 3MHz mode B: 5MHz 3MHz mode C: 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 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



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	80MHz: 1MHz
Number of Channels:	5.1G SDR 1.4MHz mode A: 48 1.4MHz mode B: 31 1.4MHz mode C: 31 3MHz mode A: 32 3MHz mode B: 18 3MHz mode C: 18 5MHz mode A: 20 5MHz mode B: 85 5MHz mode C: 85 10MHz mode A: 89 10MHz mode B: 75 10MHz mode C: 75 20MHz: 80 40MHz: 61 60MHz: 41 80MHz: 21 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: 101 10MHz mode C: 101 20MHz: 105 40MHz: 85 60MHz: 65 80MHz: 45
Antenna Type:	FPC
Antenna Gain:	5.1G SDR: ANT0: 2.2dBi, ANT1: 2dBi 5.8G SDR: ANT0: 2dBi, ANT1: 2dBi



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Cable Loss (for RF conducted test):	5.1G: 1.5dB 5.8G: 2.1dB
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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.
Adapter	DJI	PD-65CN	N/A

4.3 Measurement Uncertainty

Test Item	Measurement Uncertainty
Conducted Emissions at AC Power Line (150kHz-30MHz)	$\pm 3.1\text{dB}$
Maximum Conducted output power	$\pm 0.75\text{dB}$
Radiated Emissions (Below 1GHz)	$\pm 6.0\text{dB}$ for 3m; $\pm 5.0\text{dB}$ for 10m
Radiated Emissions (Above 1GHz)	$\pm 4.6\text{dB}$ (1-18GHz); $\pm 4.8\text{dB}$ (18-40GHz)
Radiated Emissions which fall in the restricted bands	$\pm 6.0\text{dB}$ (below 1GHz); $\pm 4.6\text{dB}$ (above 1GHz);
Duty Cycle	$\pm 0.37\%$
99% Bandwidth	$\pm 3\%$
26dB Emission bandwidth	$\pm 3\%$
Minimum 6 dB bandwidth (5.725-5.85 GHz band)	$\pm 3\%$
Peak Power spectrum density	$\pm 2.84\text{dB}$
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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4.4 Test Location

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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	2024-03-14	2025-03-13
Measurement Software	AUDIX	e3 V8.2014-6-27a	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM024-01	2023-07-07	2024-07-06
				2024-07-06	2025-07-05
LISN	Rohde&Schwarz	ENV216	SEM007-01	2023-09-19	2024-09-18
LISN	ETS-LINDGREN	3816/2	SEM007-02	2024-03-14	2025-03-13

Maximum Conducted output power					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
Power Sensor	TST PASS	TSPS2023R	SEM009-26	2024-03-27	2025-03-26
Power Sensor	KEYSIGHT	U2021XA	SEM009-16	2024-03-14	2025-03-13
DC Power Supply	Chroma	62012P-80-60	SEM011-11	2023-10-19	2024-10-18
MXA Signal Analyzer	KEYSIGHT	N9020A	SEM004-19	2024-03-14	2025-03-13
Signal Generator	KEYSIGHT	N5173B	SEM006-05	2023-09-19	2024-09-18
Measurement Software	TST PASS	TST PASS V2.0	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM031-01	2023-07-07	2024-07-06
				2024-07-06	2025-07-05
Attenuator	Huber+Suhner	6620_SMA-50-1	SEM021-09	2024-03-27	2025-03-26
Programmable Temperature & Humidity Chamber	Votsch Industrietechnik GmbH	VT 4002	SEM002-15	2024-03-19	2025-03-18



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Radiated Emissions which fall in the restricted bands					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
3m Fully-Anechoic Chamber	AUDIX	N/A	SEM001-02	2024-05-11	2027-05-10
Signal Analyzer	Rohde & Schwarz	FSV40	SEM008-04	2024-03-15	2025-03-14
Horn Antenna	Rohde&Schwarz	HF907	SEM003-07	2023-07-23	2025-07-22
Microwave system amplifier	Agilent	83017A	SEM005-25	2023-09-19	2024-09-18
Measurement Software	AUDIX	e3 V8.2014-6-27	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM026-01	2023-07-07	2024-07-06
				2024-07-06	2025-07-05
Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	SEM003-15	2022-08-10	2024-08-09
Pre-Amplifier	Compliance Directions Systems Inc.	PAP-2640-50	SEM005-08	2024-03-15	2025-03-14

Radiated Spurious Emissions Below 1GHz					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
Loop Antenna	ETS-Lindgren	6502	SEM003-08	2023-11-20	2025-11-19
3m Semi-Anechoic Chamber	ETS-LINDGREN	N/A	SEM001-01	2023-06-19	2026-06-18
MXE EMI Receiver	Agilent Technologies	N9038A	SEM004-15	2023-10-19	2024-10-18
BiConiLog Antenna	ETS-LINDGREN	3142C	SEM003-01	2023-09-16	2025-09-15
Pre-Amplifier	Agilent Technologies	8447D	SEM005-01	2024-03-14	2025-03-13
Measurement Software	AUDIX	e3 V8.2014-6-27	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM025-01	2023-07-07	2024-07-06
				2024-07-06	2025-07-05



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Radiated Spurious Emissions Above 1GHz					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
3m Fully-Anechoic Chamber	AUDIX	N/A	SEM001-02	2024-05-11	2027-05-10
Signal Analyzer	Rohde & Schwarz	FSV40	SEM008-04	2024-03-15	2025-03-14
Horn Antenna	Rohde&Schwarz	HF907	SEM003-07	2023-07-23	2025-07-22
Microwave system amplifier	Agilent	83017A	SEM005-25	2023-09-19	2024-09-18
Measurement Software	AUDIX	e3 V8.2014-6-27	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM026-01	2023-07-07	2024-07-06
				2024-07-06	2025-07-05
Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	SEM003-15	2022-08-10	2024-08-09
Pre-Amplifier	Compliance Directions Systems Inc.	PAP-2640-50	SEM005-08	2024-03-15	2025-03-14

RF Conducted Test					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
DC Power Supply	Chroma	62012P-80-60	SEM011-11	2023-10-19	2024-10-18
MXA Signal Analyzer	KEYSIGHT	N9020A	SEM004-19	2024-03-14	2025-03-13
Signal Generator	KEYSIGHT	N5173B	SEM006-05	2023-09-19	2024-09-18
Measurement Software	TST PASS	TST PASS V2.0	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM031-01	2023-07-07	2024-07-06
				2024-07-06	2025-07-05
Attenuator	Huber+Suhner	6620_SMA-50-1	SEM021-09	2024-03-27	2025-03-26
Programmable Temperature & Humidity Chamber	Votsch Industrietechnik GmbH	VT 4002	SEM002-15	2024-03-19	2025-03-18



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Frequency Stability					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
DC Power Supply	Zhao Xin	PS-305D	SEM011-13	2023-09-20	2024-09-19
MXA Signal Analyzer	KEYSIGHT	N9020A	SEM004-21	2024-03-15	2025-03-14
Measurement Software	TST PASS	TST PASS V2.0	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM031-01	2023-07-07	2024-07-06
				2024-07-06	2024-07-05
Attenuator	Huber+Suhner	6620_SMA-50-1	SEM021-09	2024-03-27	2025-03-26
Programmable Temperature & Humidity Chamber	Votsch Industrietechnik GmbH	VT 4002	SEM002-15	2024-03-19	2025-03-18

General used equipment					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
Humidity/ Temperature Indicator	deli	8838	SEM002-32	2024-07-24	2025-07-23
Humidity/ Temperature Indicator	deli	8838	SEM002-33	2024-07-24	2025-07-23
Barometer	Changchun Meteorological Industry Factory	DYM3	SEM002-01	2024-03-18	2025-03-17



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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 a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

15.247(b) (4) requirement:

The conducted output power limit specified in paragraph (b) of this section is based on the use of antennas with directional gains that do not exceed 6 dBi. Except as shown in paragraph (c) of this section, if transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated values in paragraphs (b)(1), (b)(2), and (b)(3) of this section, as appropriate, by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

EUT Antenna:

The antenna is no consideration of replacement. The best case gain of the antennas are list following:

Band	ANT0 Antenna gain(dBi)	ANT1 Antenna gain(dBi)
5.1G	2.2	2
5.8G	2	2

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: 23.5 °C Humidity: 47.5 % RH Atmospheric Pressure: 1020 mbar

7.1.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Pre-scan	21	TX mode (5.1G SDR_10MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter.
Pre-scan	23	TX mode (5.1G SDR_20MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter.
Pre-scan	25	TX mode (5.1G SDR_40MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter.
Pre-scan	27	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) + Charging_Keep the EUT in transmitting mode and charged by adapter.
Pre-scan	31	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) + Charging_Keep the EUT in transmitting mode and charged by adapter.
Pre-scan	35	TX mode (5.8G SDR_20MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter.
Final test	37	TX mode (5.8G SDR_40MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter.



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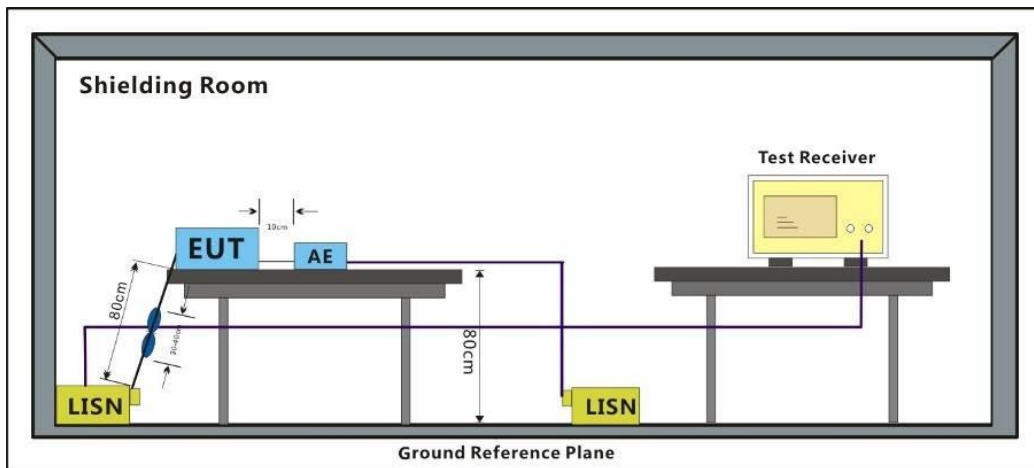
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Pre-scan	39	TX mode (5.8G SDR_60MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter.
Pre-scan	41	TX mode (5.8G SDR_80MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter.
Pre-scan	45	TX mode (5.1G SDR_1.4MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter.
Pre-scan	47	TX mode (5.1G SDR_3MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter.
Pre-scan	49	TX mode (5.1G SDR_5MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter.
Pre-scan	51	TX mode (5.1G SDR_60MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter.
Pre-scan	53	TX mode (5.1G SDR_80MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter.

7.1.3 Test Setup Diagram



7.1.4 Measurement Procedure and Data

- 1) The mains terminal disturbance voltage test was conducted in a shielded room.
- 2) The EUT was connected to AC power source through a LISN 1 (Line Impedance Stabilization Network) which provides a 50ohm/50μH + 5ohm linear impedance. The power cables of all other units of the EUT were connected to a second LISN 2, which was bonded to the ground reference plane in the same way as the LISN 1 for the unit being measured. A multiple socket outlet strip was used to connect multiple power cables to a single LISN provided the rating of the LISN was not exceeded.
- 3) The tabletop EUT was placed upon a non-metallic table 0.8m above the ground reference plane. And for floor-standing arrangement, the EUT was placed on the horizontal ground reference plane,
- 4) The test was performed with a vertical ground reference plane. The rear of the EUT shall be 0.4 m from the vertical ground reference plane. The vertical ground reference plane was bonded to the horizontal ground reference plane. The LISN 1 was placed 0.8 m from the boundary of the unit under test and bonded to a ground reference plane for LISNs mounted on top of the ground reference plane. This distance was between the closest points of the LISN 1 and the EUT. All other units of the EUT and associated equipment was at least 0.8 m from the LISN 2.
- 5) In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.10 on conducted measurement.

Remark: Level=Read Level+ Cable Loss+ LISN Factor



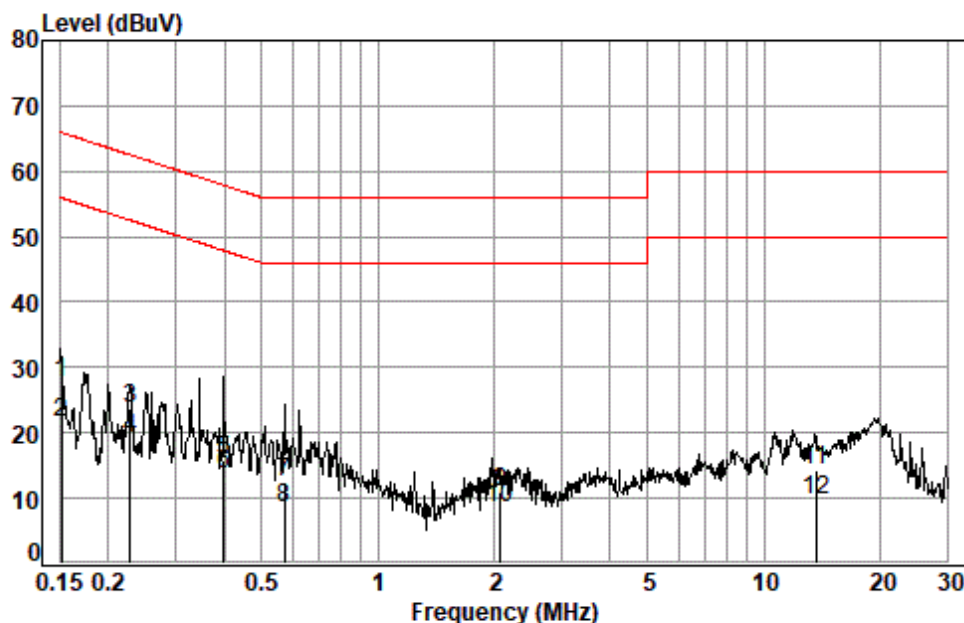
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Test Mode: 37; Line: Live line



Site : Shielding Room
Condition: Line
Job No. : 02140AT/02141AT
Test mode: 37

	Freq	Cable Loss	LISN Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB	dBuV	dBuV	dBuV	dB	
1 *	0.1516	0.02	9.88	17.81	27.71	65.91	-38.20	QP
2	0.1516	0.02	9.88	11.75	21.65	55.91	-34.26	Average
3	0.2280	0.03	9.95	13.69	23.67	62.52	-38.85	QP
4 *	0.2280	0.03	9.95	9.19	19.17	52.52	-33.35	Average
5	0.3976	0.03	10.02	5.78	15.83	57.90	-42.07	QP
6	0.3976	0.03	10.02	3.68	13.73	47.90	-34.17	Average
7	0.5731	0.04	9.98	2.43	12.45	56.00	-43.55	QP
8	0.5731	0.04	9.98	-1.45	8.57	46.00	-37.43	Average
9	2.0768	0.07	10.01	0.90	10.98	56.00	-45.02	QP
10	2.0768	0.07	10.01	-1.55	8.53	46.00	-37.47	Average
11	13.6228	0.21	10.23	3.73	14.17	60.00	-45.83	QP
12	13.6228	0.21	10.23	-0.67	9.77	50.00	-40.23	Average



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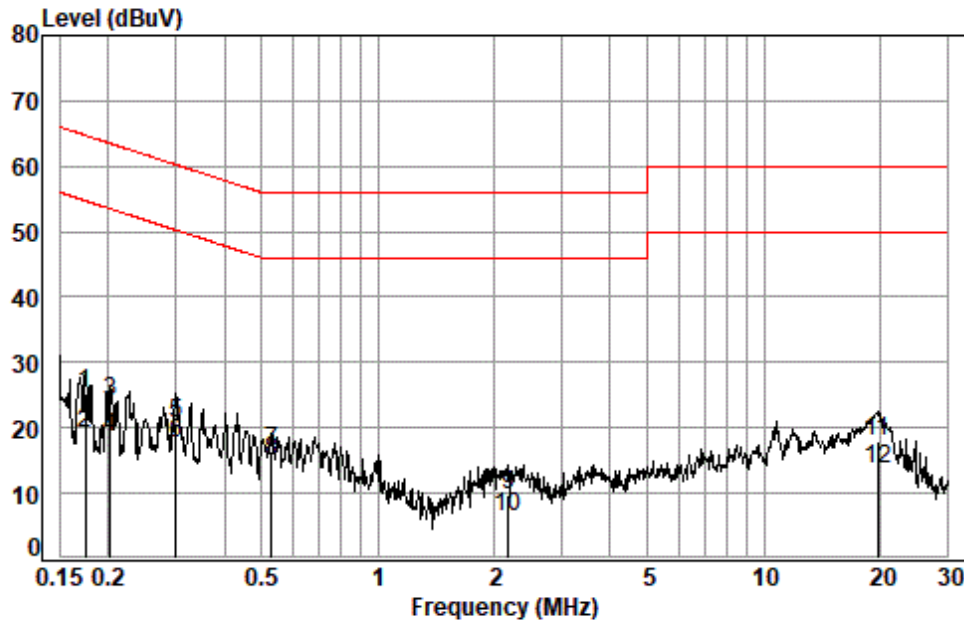
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Test Mode: 37; Line: Neutral Line



Site : Shielding Room
Condition: Neutral
Job No. : 02140AT/02141AT
Test mode: 37

	Freq	Cable Loss	LISN Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB	dBuV	dBuV	dBuV	dB	
1	0.1749	0.02	9.90	15.22	25.14	64.72	-39.58	QP
2	0.1749	0.02	9.90	9.21	19.13	54.72	-35.59	Average
3 *	0.2029	0.02	9.92	14.01	23.95	63.49	-39.54	QP
4	0.2029	0.02	9.92	8.64	18.58	53.49	-34.91	Average
5	0.3003	0.03	9.91	10.64	20.58	60.24	-39.66	QP
6	0.3003	0.03	9.91	7.75	17.69	50.24	-32.55	Average
7	0.5293	0.04	9.94	6.34	16.32	56.00	-39.68	QP
8 *	0.5293	0.04	9.94	4.97	14.95	46.00	-31.05	Average
9	2.1783	0.07	9.96	-0.20	9.83	56.00	-46.17	QP
10	2.1783	0.07	9.96	-3.72	6.31	46.00	-39.69	Average
11	19.7397	0.27	10.28	7.38	17.93	60.00	-42.07	QP
12	19.7397	0.27	10.28	3.08	13.63	50.00	-36.37	Average



7.2 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) or 11dBm+10logB*
5470-5725	≤250mW(24dBm) 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.

7.2.1 E.U.T. Operation

Operating Environment:

Temperature: 21.2 °C

Humidity: 49.3 % RH

Atmospheric Pressure: 1020 mbar

7.2.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	20	TX mode (5.1G SDR_10MHz)_Keep the EUT in transmitting mode.
Final test	22	TX mode (5.1G SDR_20MHz)_Keep the EUT in transmitting mode.
Final test	24	TX mode (5.1G SDR_40MHz)_Keep the EUT in transmitting mode.
Final test	26	TX mode (5.8G SDR_1.4MHz)_Keep the EUT in transmitting mode.
Final test	28	TX mode (5.8G SDR_3MHz)_Keep the EUT in transmitting mode.
Final test	30	TX mode (5.8G SDR_5MHz)_Keep the EUT in transmitting mode.
Final test	32	TX mode (5.8G SDR_10MHz)_Keep the EUT in transmitting mode.
Final test	34	TX mode (5.8G SDR_20MHz)_Keep the EUT in transmitting mode.
Final test	36	TX mode (5.8G SDR_40MHz)_Keep the EUT in transmitting mode.
Final test	38	TX mode (5.8G SDR_60MHz)_Keep the EUT in transmitting mode.
Final test	40	TX mode (5.8G SDR_80MHz)_Keep the EUT in transmitting mode.
Final test	44	TX mode (5.1G SDR_1.4MHz)_Keep the EUT in transmitting mode.
Final test	46	TX mode (5.1G SDR_3MHz)_Keep the EUT in transmitting mode.
Final test	48	TX mode (5.1G SDR_5MHz)_Keep the EUT in transmitting mode.

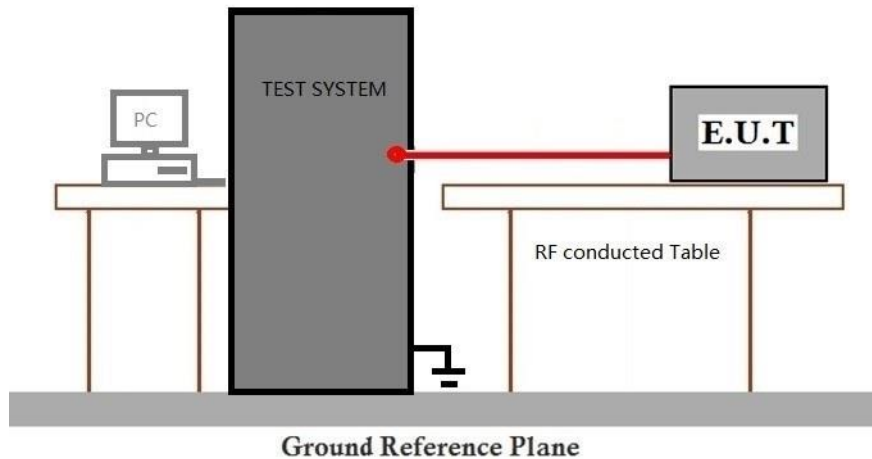


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Final test	50	TX mode (5.1G SDR_60MHz)_Keep the EUT in transmitting mode.
Final test	52	TX mode (5.1G SDR_80MHz)_Keep the EUT in transmitting mode.

7.2.3 Test Setup Diagram



7.2.4 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

7.3 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

Measurement Distance: 3m

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

7.3.1 E.U.T. Operation

Operating Environment:

Temperature: 23.5 °C

Humidity: 47.5 % RH

Atmospheric Pressure: 1020 mbar

7.3.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Pre-scan	20	TX mode (5.1G SDR_10MHz)_Keep the EUT in transmitting mode.
Pre-scan	21	TX mode (5.1G SDR_10MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter.
Pre-scan	22	TX mode (5.1G SDR_20MHz)_Keep the EUT in transmitting mode.
Pre-scan	23	TX mode (5.1G SDR_20MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter.
Pre-scan	24	TX mode (5.1G SDR_40MHz)_Keep the EUT in transmitting mode.
Pre-scan	25	TX mode (5.1G SDR_40MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter.
Pre-scan	26	TX mode (5.8G SDR_1.4MHz)_Keep the EUT in transmitting mode.
Pre-scan	27	TX mode (5.8G SDR_1.4MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter.
Pre-scan	28	TX mode (5.8G SDR_3MHz)_Keep the EUT in transmitting mode.
Pre-scan	29	TX mode (5.8G SDR_3MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter.
Pre-scan	30	TX mode (5.8G SDR_5MHz)_Keep the EUT in transmitting mode.



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Pre-scan	31	TX mode (5.8G SDR_5MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter.
Pre-scan	32	TX mode (5.8G SDR_10MHz)_Keep the EUT in transmitting mode.
Pre-scan	33	TX mode (5.8G SDR_10MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter.
Pre-scan	34	TX mode (5.8G SDR_20MHz)_Keep the EUT in transmitting mode.
Pre-scan	35	TX mode (5.8G SDR_20MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter.
Pre-scan	36	TX mode (5.8G SDR_40MHz)_Keep the EUT in transmitting mode.
Final test	37	TX mode (5.8G SDR_40MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter.
Pre-scan	38	TX mode (5.8G SDR_60MHz)_Keep the EUT in transmitting mode.
Pre-scan	39	TX mode (5.8G SDR_60MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter.
Pre-scan	40	TX mode (5.8G SDR_80MHz)_Keep the EUT in transmitting mode.
Pre-scan	41	TX mode (5.8G SDR_80MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter.
Pre-scan	44	TX mode (5.1G SDR_1.4MHz)_Keep the EUT in transmitting mode.
Pre-scan	45	TX mode (5.1G SDR_1.4MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter.
Pre-scan	46	TX mode (5.1G SDR_3MHz)_Keep the EUT in transmitting mode.
Pre-scan	47	TX mode (5.1G SDR_3MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter.
Pre-scan	48	TX mode (5.1G SDR_5MHz)_Keep the EUT in transmitting mode.
Pre-scan	49	TX mode (5.1G SDR_5MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter.
Pre-scan	50	TX mode (5.1G SDR_60MHz)_Keep the EUT in transmitting mode.
Pre-scan	51	TX mode (5.1G SDR_60MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter.
Pre-scan	52	TX mode (5.1G SDR_80MHz)_Keep the EUT in transmitting mode.
Pre-scan	53	TX mode (5.1G SDR_80MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter.



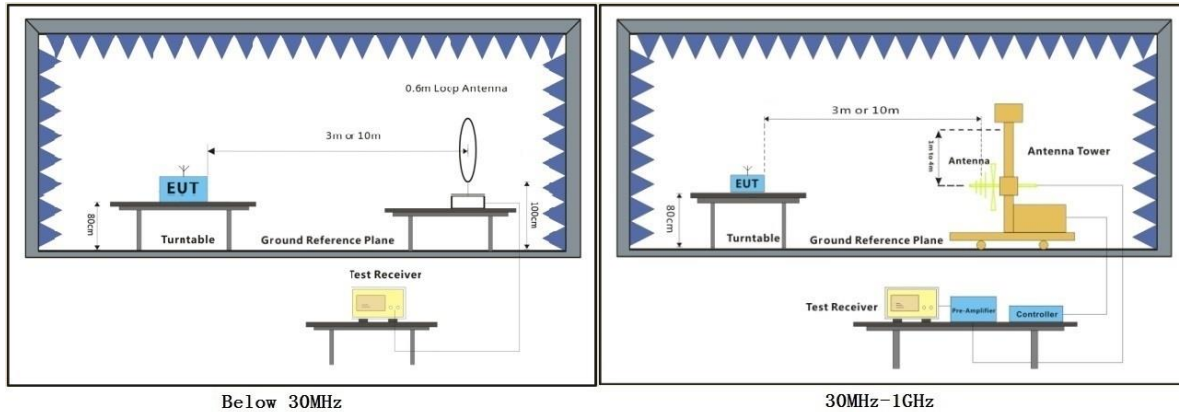
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7.3.3 Test Setup Diagram



Below 30MHz

30MHz-1GHz

7.3.4 Measurement Procedure and Data

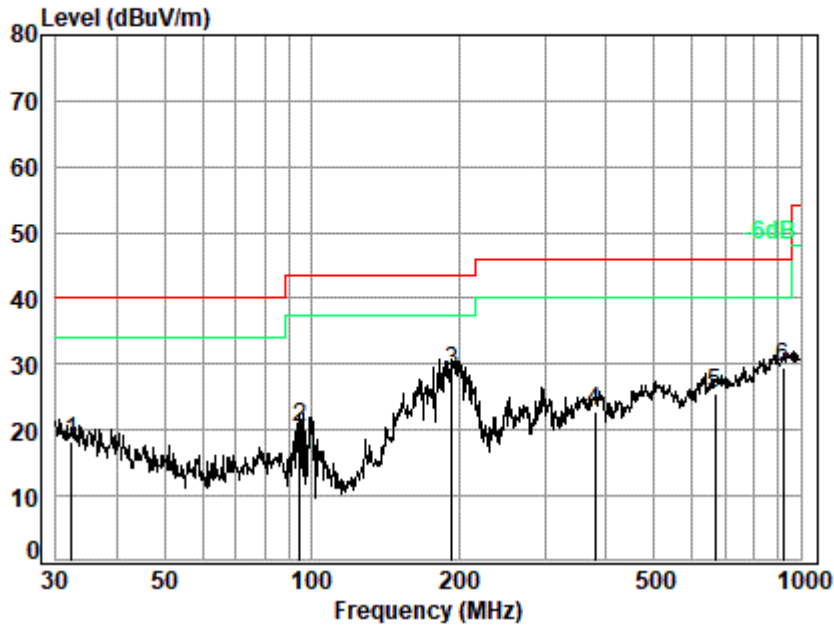
- a. For below 1GHz, the EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 or 10 meters away from the interference-receiving antenna, 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 lowest channel of 802.11a. 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.



Test Mode: 37; Polarity: Horizontal; Modulation: OFDM; Bandwidth: 40MHz; Channel: Middle



Site : chamber
Condition: 3m HORIZONTAL
Job No. : 02140AT/02141AT
Test Mode: 37

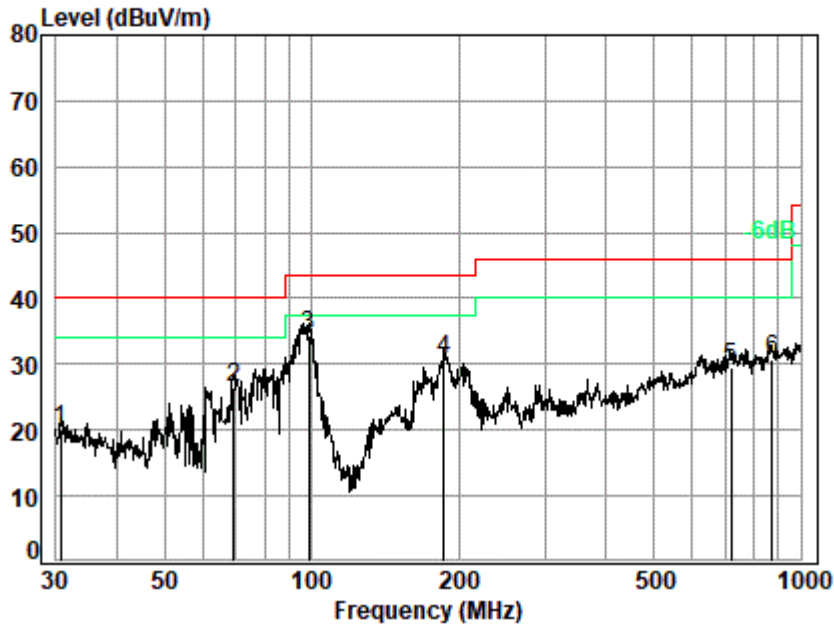
	Ant	Cable	Preamp	Read		Limit	Over	
	Freq	Factor	Loss	Factor	Level	Level	Line	Limit Remark
	MHz	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB
1	32.29	20.15	0.67	27.79	25.33	18.36	40.00	-21.64 QP
2	94.43	12.08	1.16	27.61	34.72	20.35	43.50	-23.15 QP
3 q	193.09	14.21	1.69	27.20	40.10	28.80	43.50	-14.70 QP
4	379.91	20.91	2.47	27.07	26.56	22.87	46.00	-23.13 QP
5	668.14	25.49	3.41	27.80	24.54	25.64	46.00	-20.36 QP
6	919.29	28.17	4.14	26.63	23.87	29.55	46.00	-16.45 QP



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Test Mode: 37; Polarity: Vertical; Modulation: OFDM; Bandwidth: 40MHz; Channel: Middle



Site : chamber
Condition: 3m VERTICAL
Job No. : 02140AT/02141AT
Test Mode: 37

	Ant	Cable	Preamp	Read		Limit	Over	
Freq	Factor	Loss	Factor	Level	Level	Line	Limit	Remark
MHz	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB	
1	30.64	20.90	0.65	27.79	26.26	20.02	40.00	-19.98 QP
2	69.11	10.65	0.98	27.68	42.47	26.42	40.00	-13.58 QP
3 q	98.49	12.22	1.18	27.59	48.45	34.26	43.50	-9.24 QP
4	186.44	14.30	1.66	27.23	41.90	30.63	43.50	-12.87 QP
5	719.20	26.25	3.57	27.68	27.38	29.52	46.00	-16.48 QP
6	872.18	27.66	4.02	26.96	26.03	30.75	46.00	-15.25 QP



7.4 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

Measurement Distance: 3m

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.		



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7.4.1 E.U.T. Operation

Operating Environment:

Temperature: 22.5 °C

Humidity: 65.9 % RH

Atmospheric Pressure: 1020 mbar

7.4.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Pre-scan	20	TX mode (5.1G SDR_10MHz)_Keep the EUT in transmitting mode.
Pre-scan	21	TX mode (5.1G SDR_10MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter.
Pre-scan	22	TX mode (5.1G SDR_20MHz)_Keep the EUT in transmitting mode.
Pre-scan	23	TX mode (5.1G SDR_20MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter.
Pre-scan	24	TX mode (5.1G SDR_40MHz)_Keep the EUT in transmitting mode.
Final test	25	TX mode (5.1G SDR_40MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter.
Pre-scan	26	TX mode (5.8G SDR_1.4MHz)_Keep the EUT in transmitting mode.
Pre-scan	27	TX mode (5.8G SDR_1.4MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter.
Pre-scan	28	TX mode (5.8G SDR_3MHz)_Keep the EUT in transmitting mode.
Pre-scan	29	TX mode (5.8G SDR_3MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter.
Pre-scan	30	TX mode (5.8G SDR_5MHz)_Keep the EUT in transmitting mode.
Pre-scan	31	TX mode (5.8G SDR_5MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter.
Pre-scan	32	TX mode (5.8G SDR_10MHz)_Keep the EUT in transmitting mode.
Pre-scan	33	TX mode (5.8G SDR_10MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter.
Pre-scan	34	TX mode (5.8G SDR_20MHz)_Keep the EUT in transmitting mode.
Final test	35	TX mode (5.8G SDR_20MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter.
Pre-scan	36	TX mode (5.8G SDR_40MHz)_Keep the EUT in transmitting mode.
Pre-scan	37	TX mode (5.8G SDR_40MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter.
Pre-scan	38	TX mode (5.8G SDR_60MHz)_Keep the EUT in transmitting mode.
Pre-scan	39	TX mode (5.8G SDR_60MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter.
Pre-scan	40	TX mode (5.8G SDR_80MHz)_Keep the EUT in transmitting mode.
Pre-scan	41	TX mode (5.8G SDR_80MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter.
Pre-scan	44	TX mode (5.1G SDR_1.4MHz)_Keep the EUT in transmitting mode.
Pre-scan	45	TX mode (5.1G SDR_1.4MHz) + Charging_Keep the EUT in transmitting mode and



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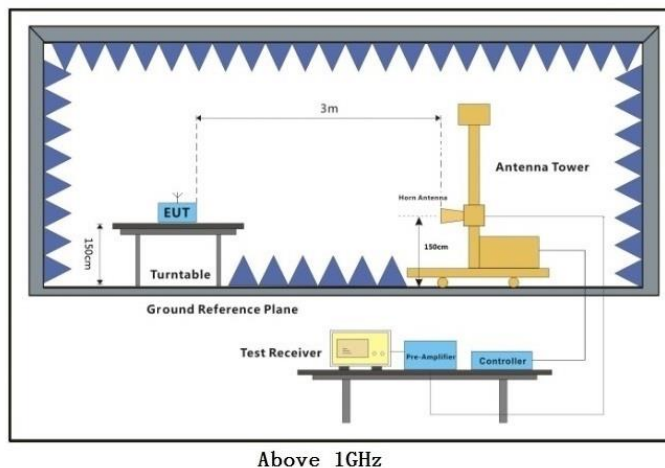
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		charged by adapter.
Pre-scan	46	TX mode (5.1G SDR_3MHz)_Keep the EUT in transmitting mode.
Pre-scan	47	TX mode (5.1G SDR_3MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter.
Pre-scan	48	TX mode (5.1G SDR_5MHz)_Keep the EUT in transmitting mode.
Pre-scan	49	TX mode (5.1G SDR_5MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter.
Pre-scan	50	TX mode (5.1G SDR_60MHz)_Keep the EUT in transmitting mode.
Pre-scan	51	TX mode (5.1G SDR_60MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter.
Pre-scan	52	TX mode (5.1G SDR_80MHz)_Keep the EUT in transmitting mode.
Pre-scan	53	TX mode (5.1G SDR_80MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter.

7.4.3 Test Setup Diagram



7.4.4 Measurement Procedure and Data

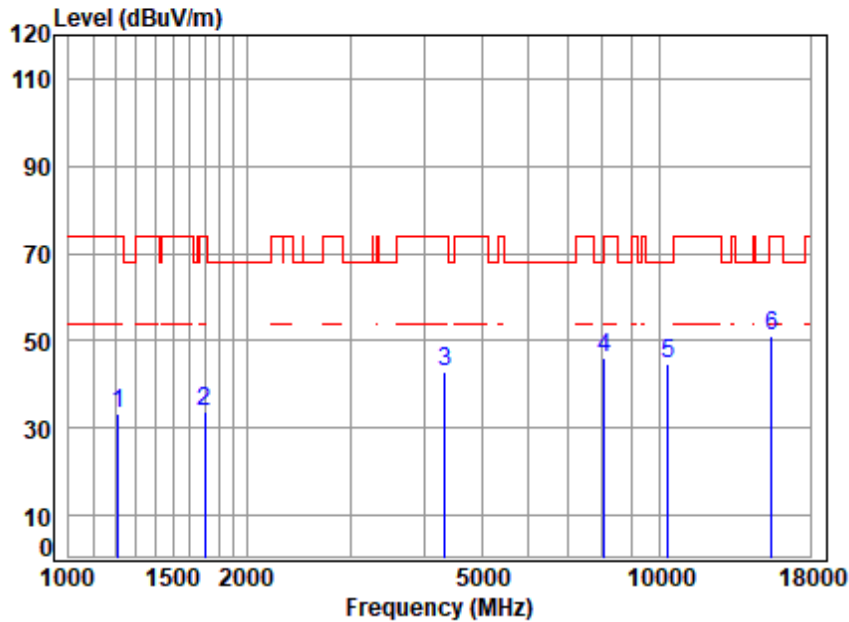
- a. For above 1GHz, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter fully-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which 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.



Test Mode: 25; Polarity: Horizontal; Modulation: OFDM; Channel: Low

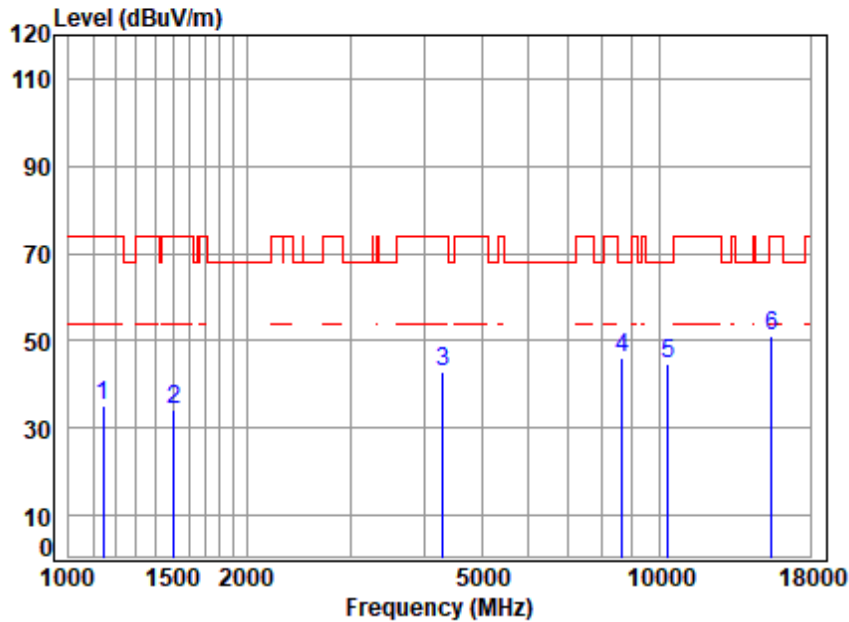


Site : chamber
Condition: 3m HORIZONTAL
Job No : 02140AT/02141AT
Mode : 5170 TX RSE
Note : 5.1G SDR 40M

		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	1213.677	3.70	24.59	61.56	66.53	33.26	74.00	-40.74	peak
2	1702.042	4.33	26.22	61.72	64.93	33.76	74.00	-40.24	peak
3	4329.354	7.05	34.23	61.48	63.27	43.07	74.00	-30.93	peak
4	8082.804	9.11	36.47	61.67	61.97	45.88	74.00	-28.12	peak
5	10340.000	11.11	37.10	62.35	59.08	44.94	68.20	-23.26	peak
6	15510.000	13.75	41.10	62.88	59.17	51.14	74.00	-22.86	peak



Test Mode: 25; Polarity: Vertical; Modulation: OFDM; Channel: Low

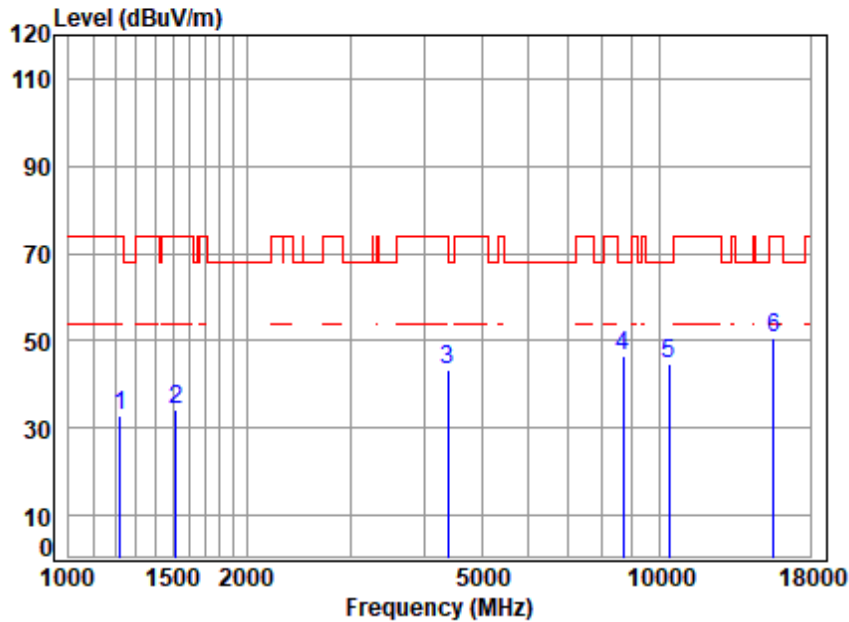


Site : chamber
Condition: 3m VERTICAL
Job No : 02140AT/02141AT
Mode : 5170 TX RSE
Note : 5.1G SDR 40M

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1145.507	3.61	23.88	61.53	69.20	35.16	74.00	-38.84	peak
2	1507.470	4.05	26.83	61.66	65.07	34.29	74.00	-39.71	peak
3	4304.400	7.02	34.04	61.46	63.16	42.76	74.00	-31.24	peak
4 p	8663.404	9.66	36.90	61.86	61.22	45.92	68.20	-22.28	peak
5	10340.000	11.11	37.10	62.35	59.06	44.92	68.20	-23.28	peak
6	15510.000	13.75	41.10	62.88	59.04	51.01	74.00	-22.99	peak



Test Mode: 25; Polarity: Horizontal; Modulation: OFDM; Channel: Middle

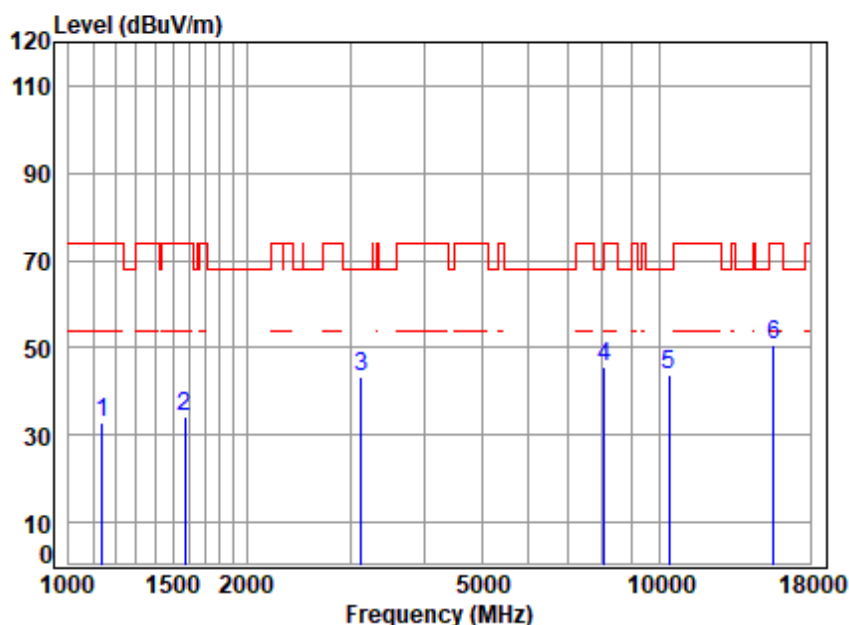


Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 02140AT/02141AT
 Mode : 5200 TX RSE
 Note : 5.1G SDR 40M

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1224.247	3.71	24.74	61.56	66.08	32.97	74.00	-41.03	peak
2	1520.598	4.07	26.88	61.66	64.83	34.12	74.00	-39.88	peak
3	4392.376	7.13	34.74	61.53	62.87	43.21	74.00	-30.79	peak
4 p	8688.480	9.68	36.90	61.87	61.69	46.40	68.20	-21.80	peak
5	10400.000	11.20	37.10	62.36	58.63	44.57	68.20	-23.63	peak
6	15600.000	13.86	41.10	62.89	58.44	50.51	74.00	-23.49	peak



Test Mode: 25; Polarity: Vertical; Modulation: OFDM; Channel: Middle

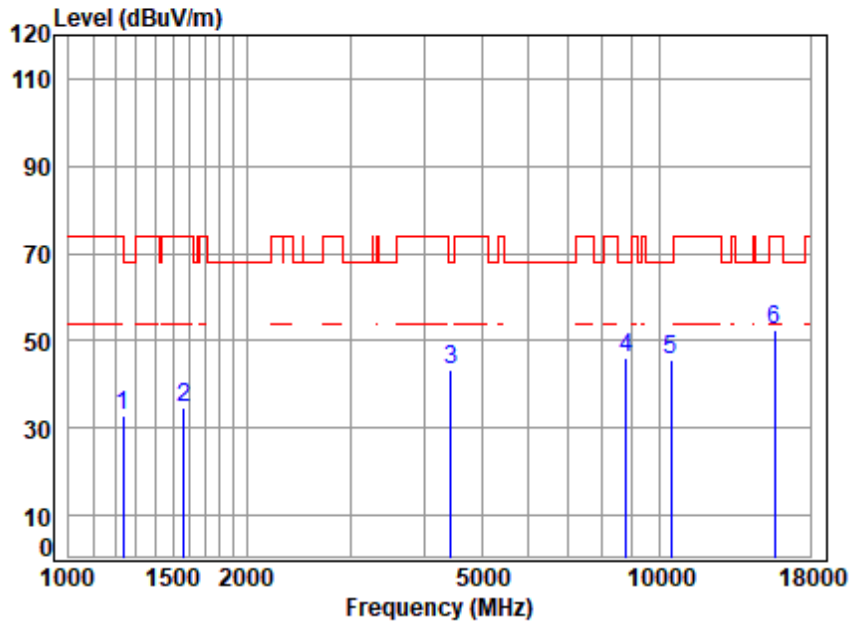


Site : chamber
Condition: 3m VERTICAL
Job No : 02140AT/02141AT
Mode : 5200 TX RSE
Note : 5.1G SDR 40M

		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	1138.904	3.60	23.86	61.53	67.00	32.93	74.00	-41.07	peak
2	1574.265	4.15	26.90	61.68	64.67	34.04	74.00	-39.96	peak
3	3132.079	6.20	32.18	61.38	66.37	43.37	68.20	-24.83	peak
4	8059.475	9.09	36.42	61.66	61.79	45.64	74.00	-28.36	peak
5	10400.000	11.20	37.10	62.36	57.83	43.77	68.20	-24.43	peak
6	p15600.000	13.86	41.10	62.89	58.75	50.82	74.00	-23.18	peak



Test Mode: 25; Polarity: Horizontal; Modulation: OFDM; Channel: High

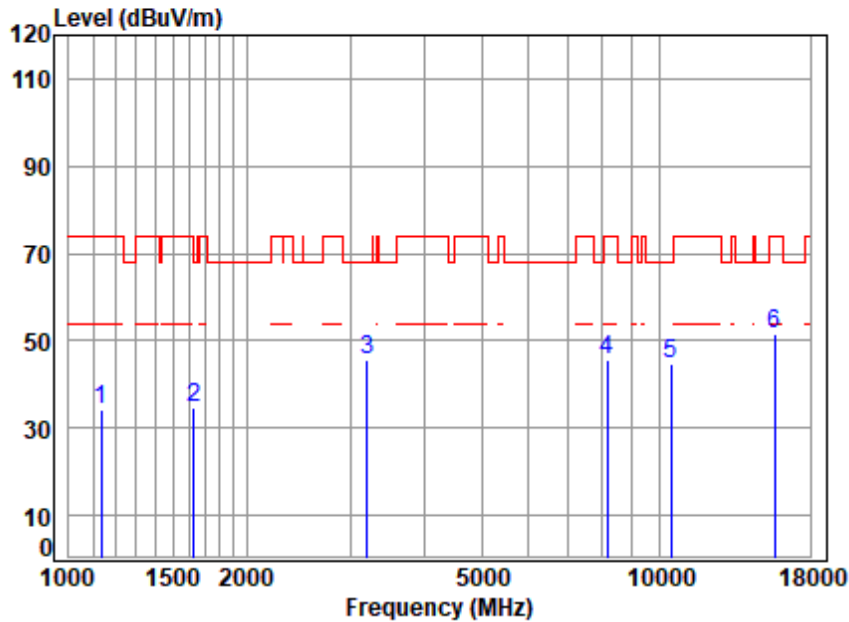


Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 02140AT/02141AT
 Mode : 5230 TX RSE
 Note : 5.1G SDR 40M

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1238.483	3.73	24.94	61.57	65.83	32.93	74.00	-41.07	peak
2	1565.191	4.14	26.94	61.68	65.14	34.54	74.00	-39.46	peak
3	4443.453	7.19	34.28	61.58	63.30	43.19	68.20	-25.01	peak
4	8789.516	9.76	37.06	61.90	61.12	46.04	68.20	-22.16	peak
5	10460.000	11.30	37.22	62.38	59.71	45.85	68.20	-22.35	peak
6	15690.000	13.97	41.19	62.91	60.11	52.36	74.00	-21.64	peak



Test Mode: 25; Polarity: Vertical; Modulation: OFDM; Channel: High

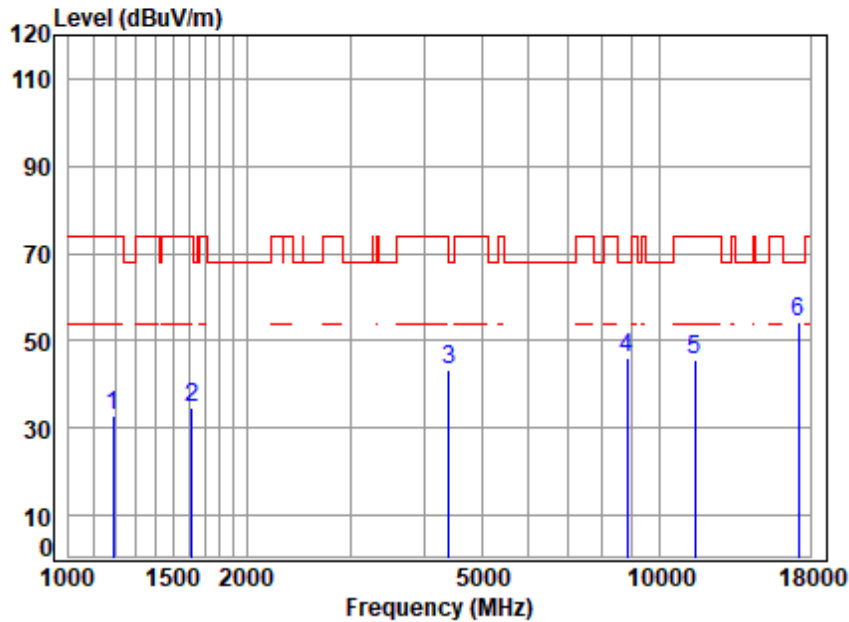


Site : chamber
Condition: 3m VERTICAL
Job No : 02140AT/02141AT
Mode : 5230 TX RSE
Note : 5.1G SDR 40M

		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	1135.617	3.59	23.84	61.53	68.37	34.27	74.00	-39.73	peak
2	1629.825	4.23	26.50	61.70	65.77	34.80	68.20	-33.40	peak
3	3196.094	6.25	32.87	61.36	67.65	45.41	68.20	-22.79	peak
4	8153.195	9.19	36.51	61.69	61.71	45.72	74.00	-28.28	peak
5	10460.000	11.30	37.22	62.38	58.63	44.77	68.20	-23.43	peak
6	p15690.000	13.97	41.19	62.91	59.51	51.76	74.00	-22.24	peak



Test Mode: 35; Polarity: Horizontal; Modulation: OFDM; Channel: Low

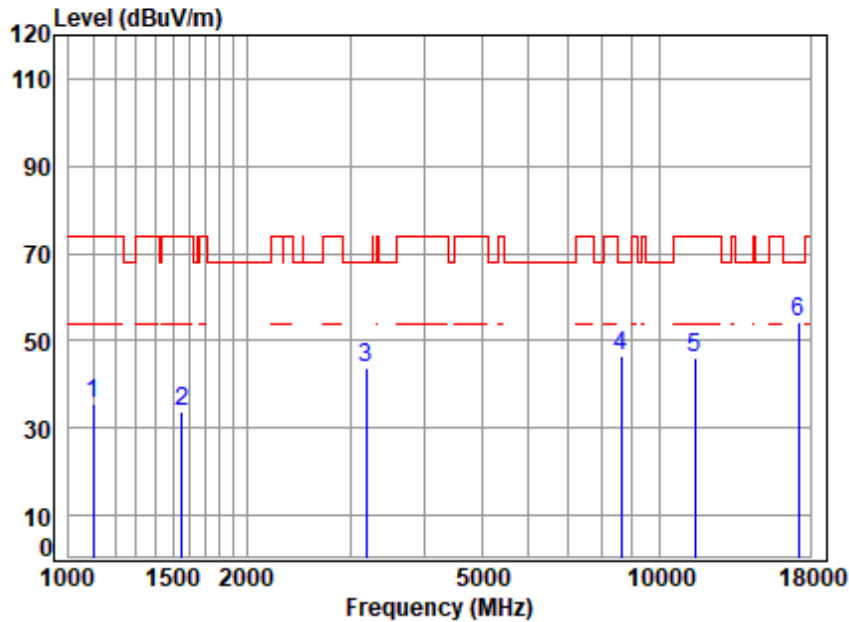


Site : chamber
Condition: 3m HORIZONTAL
Job No : 02140AT/02141AT
Mode : 5735.5 TX RSE
Note : 5.8G SDR 20M

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1189.368	3.67	24.29	61.55	66.27	32.68	74.00	-41.32	peak
2	1615.754	4.21	26.64	61.69	65.41	34.57	74.00	-39.43	peak
3	4405.090	7.14	34.74	61.55	62.97	43.30	68.20	-24.90	peak
4	8814.957	9.78	37.13	61.91	60.92	45.92	68.20	-22.28	peak
5	11471.000	11.93	37.77	62.61	58.69	45.78	74.00	-28.22	peak
6	p17206.500	14.56	43.01	61.68	58.32	54.21	68.20	-13.99	peak



Test Mode: 35; Polarity: Vertical; Modulation: OFDM; Channel: Low

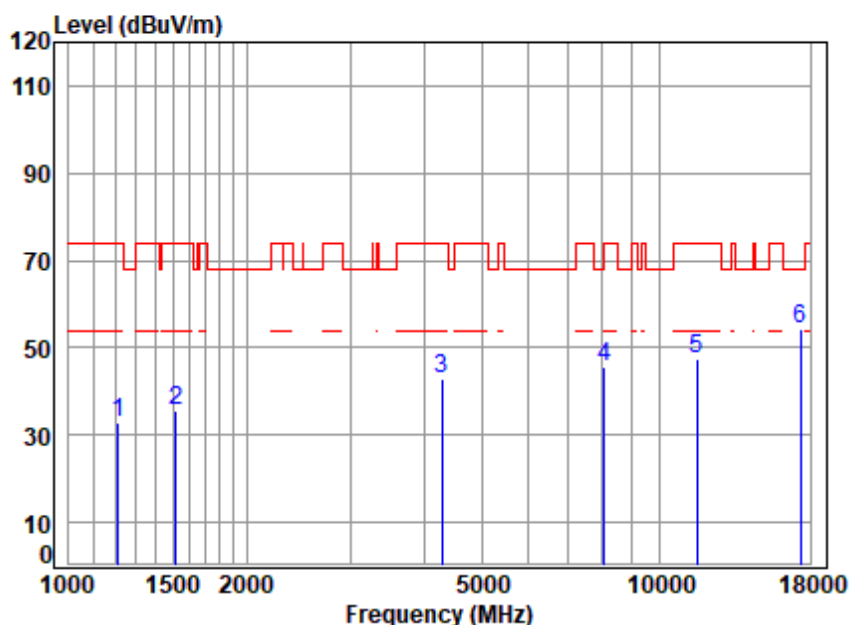


Site : chamber
 Condition: 3m VERTICAL
 Job No : 02140AT/02141AT
 Mode : 5735.5 TX RSE
 Note : 5.8G SDR 20M

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1100.079	3.54	23.70	61.51	69.72	35.45	74.00	-38.55	peak
2	1551.677	4.12	26.99	61.67	64.36	33.80	74.00	-40.20	peak
3	3186.869	6.25	32.79	61.37	66.16	43.83	68.20	-24.37	peak
4	8613.468	9.62	36.90	61.85	61.85	46.52	68.20	-21.68	peak
5	11471.000	11.93	37.77	62.61	59.09	46.18	74.00	-27.82	peak
6	17206.500	14.56	43.01	61.68	58.20	54.09	68.20	-14.11	peak



Test Mode: 35; Polarity: Horizontal; Modulation: OFDM; Channel: Middle

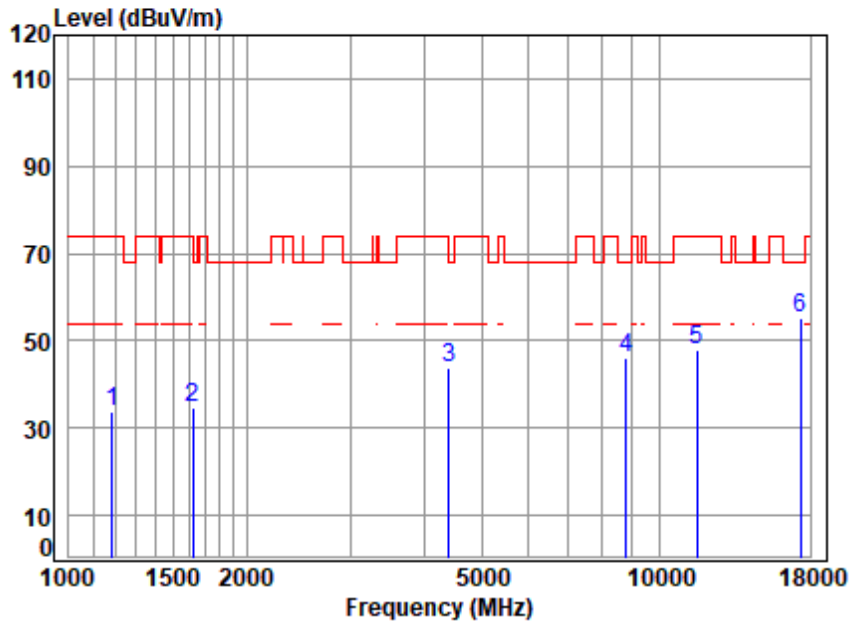


Site : chamber
Condition: 3m HORIZONTAL
Job No : 02140AT/02141AT
Mode : 5787.5 TX RSE
Note : 5.8G SDR 20M

		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	1213.677	3.70	24.59	61.56	66.19	32.92	74.00	-41.08	peak
2	1520.598	4.07	26.88	61.66	66.11	35.40	74.00	-38.60	peak
3	4291.977	7.01	33.97	61.44	63.28	42.82	74.00	-31.18	peak
4	8059.475	9.09	36.42	61.66	61.99	45.84	74.00	-28.16	peak
5	11575.000	11.95	37.72	62.64	60.52	47.55	74.00	-26.45	peak
6	p17362.500	14.73	43.29	61.52	57.84	54.34	68.20	-13.86	peak



Test Mode: 35; Polarity: Vertical; Modulation: OFDM; Channel: Middle



Site : chamber
 Condition: 3m VERTICAL
 Job No : 02140AT/02141AT
 Mode : 5787.5 TX RSE
 Note : 5.8G SDR 20M

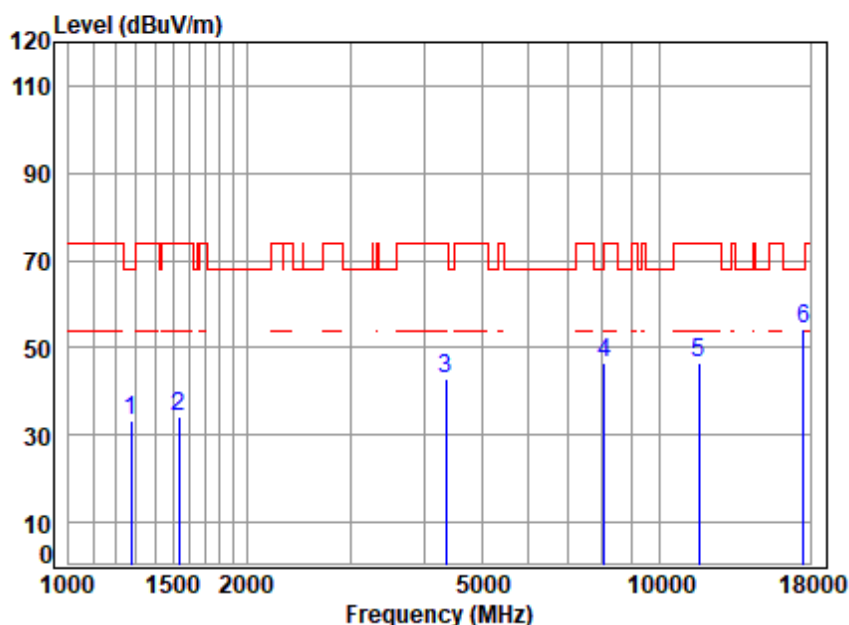
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1185.936	3.66	24.26	61.55	67.30	33.67	74.00	-40.33	peak
2	1625.121	4.22	26.55	61.69	65.39	34.47	74.00	-39.53	peak
3	4405.090	7.14	34.74	61.55	63.44	43.77	68.20	-24.43	peak
4	8789.516	9.76	37.06	61.90	61.27	46.19	68.20	-22.01	peak
5	11575.000	11.95	37.72	62.64	60.94	47.97	74.00	-26.03	peak
6	17362.500	14.73	43.29	61.52	58.70	55.20	68.20	-13.00	peak



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Test Mode: 35; Polarity: Horizontal; Modulation: OFDM; Channel: High

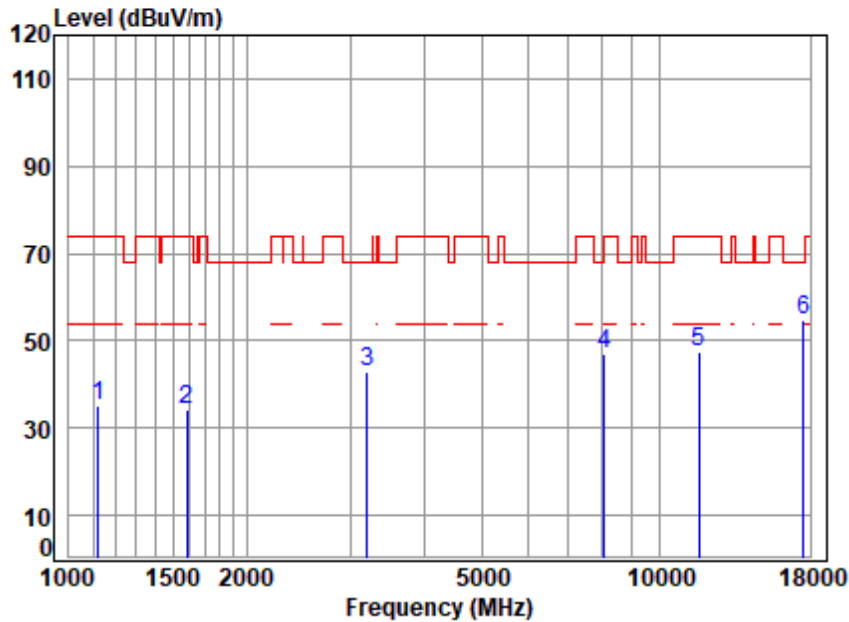


Site : chamber
Condition: 3m HORIZONTAL
Job No : 02140AT/02141AT
Mode : 5839.5 TX RSE
Note : 5.8G SDR 20M

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1274.802	3.78	24.95	61.58	66.29	33.44	68.20	-34.76	peak
2	1538.281	4.10	26.95	61.67	64.82	34.20	74.00	-39.80	peak
3	4354.454	7.08	34.44	61.50	62.99	43.01	74.00	-30.99	peak
4	8082.804	9.11	36.47	61.67	62.76	46.67	74.00	-27.33	peak
5	11679.000	11.95	37.86	62.66	59.35	46.50	74.00	-27.50	peak
6	p17518.500	14.91	43.44	61.37	57.37	54.35	68.20	-13.85	peak



Test Mode: 35; Polarity: Vertical; Modulation: OFDM; Channel: High



Site : chamber
Condition: 3m VERTICAL
Job No : 02140AT/02141AT
Mode : 5839.5 TX RSE
Note : 5.8G 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	1122.563	3.58	23.79	61.52	69.12	34.97	74.00	-39.03	peak
2	1587.975	4.17	26.85	61.68	64.93	34.27	74.00	-39.73	peak
3	3196.094	6.25	32.87	61.36	65.08	42.84	68.20	-25.36	peak
4	8082.804	9.11	36.47	61.67	63.19	47.10	74.00	-26.90	peak
5	11679.000	11.95	37.86	62.66	60.13	47.28	74.00	-26.72	peak
6	p17518.500	14.91	43.44	61.37	57.55	54.53	68.20	-13.67	peak



7.5 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

Measurement Distance: 3m

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.

7.5.1 E.U.T. Operation

Operating Environment:

Temperature: 22.4 °C

Humidity: 66.9 % RH

Atmospheric Pressure: 1020 mbar



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7.5.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Pre-scan	20	TX mode (5.1G SDR_10MHz)_Keep the EUT in transmitting mode.
Final test	21	TX mode (5.1G SDR_10MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter.
Pre-scan	22	TX mode (5.1G SDR_20MHz)_Keep the EUT in transmitting mode.
Final test	23	TX mode (5.1G SDR_20MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter.
Pre-scan	24	TX mode (5.1G SDR_40MHz)_Keep the EUT in transmitting mode.
Final test	25	TX mode (5.1G SDR_40MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter.
Pre-scan	26	TX mode (5.8G SDR_1.4MHz)_Keep the EUT in transmitting mode.
Final test	27	TX mode (5.8G SDR_1.4MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter.
Pre-scan	28	TX mode (5.8G SDR_3MHz)_Keep the EUT in transmitting mode.
Final test	29	TX mode (5.8G SDR_3MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter.
Pre-scan	30	TX mode (5.8G SDR_5MHz)_Keep the EUT in transmitting mode.
Final test	31	TX mode (5.8G SDR_5MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter.
Pre-scan	32	TX mode (5.8G SDR_10MHz)_Keep the EUT in transmitting mode.
Final test	33	TX mode (5.8G SDR_10MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter.
Pre-scan	34	TX mode (5.8G SDR_20MHz)_Keep the EUT in transmitting mode.
Final test	35	TX mode (5.8G SDR_20MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter.
Pre-scan	36	TX mode (5.8G SDR_40MHz)_Keep the EUT in transmitting mode.
Final test	37	TX mode (5.8G SDR_40MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter.
Pre-scan	38	TX mode (5.8G SDR_60MHz)_Keep the EUT in transmitting mode.
Final test	39	TX mode (5.8G SDR_60MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter.
Pre-scan	40	TX mode (5.8G SDR_80MHz)_Keep the EUT in transmitting mode.
Final test	41	TX mode (5.8G SDR_80MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter.
Pre-scan	44	TX mode (5.1G SDR_1.4MHz)_Keep the EUT in transmitting mode.
Final test	45	TX mode (5.1G SDR_1.4MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter.
Pre-scan	46	TX mode (5.1G SDR_3MHz)_Keep the EUT in transmitting mode.
Final test	47	TX mode (5.1G SDR_3MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter.



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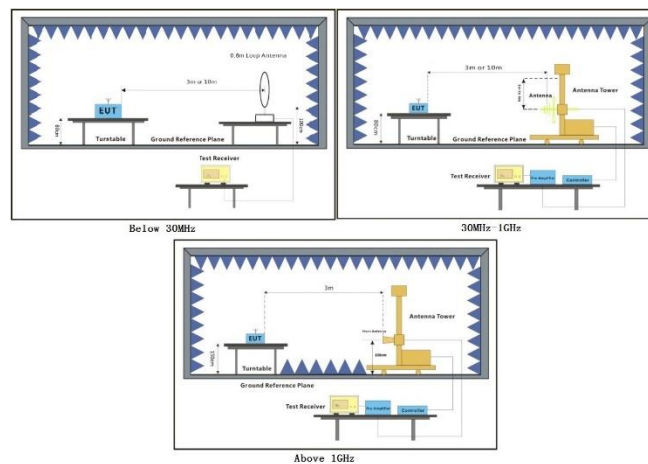
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Pre-scan	48	TX mode (5.1G SDR_5MHz)_Keep the EUT in transmitting mode.
Final test	49	TX mode (5.1G SDR_5MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter.
Pre-scan	50	TX mode (5.1G SDR_60MHz)_Keep the EUT in transmitting mode.
Final test	51	TX mode (5.1G SDR_60MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter.
Pre-scan	52	TX mode (5.1G SDR_80MHz)_Keep the EUT in transmitting mode.
Final test	53	TX mode (5.1G SDR_80MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter.

7.5.3 Test Setup Diagram



7.5.4 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 or 10 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
 - b. 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.
 - c. 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.
 - d. 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.
 - e. 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.
 - f. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
 - g. 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.
 - h. Test the EUT in the lowest channel, the middle channel, the Highest channel.
 - i. 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.
 - j. Repeat above procedures until all frequencies measured was complete.
- Remark: Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor



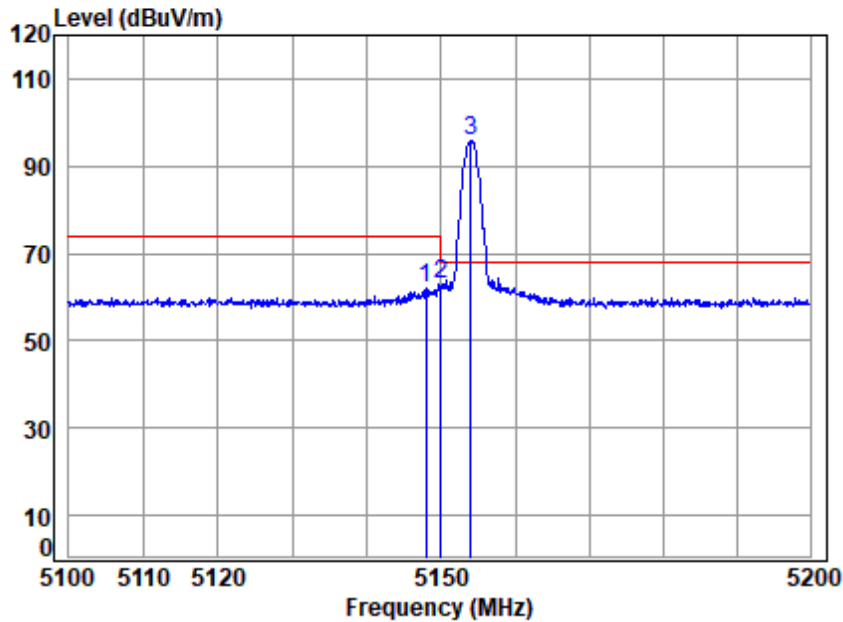
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Test Mode: 45; Polarity: Horizontal; Modulation: OFDM; Bandwidth: 1.4MHz; Channel: Low

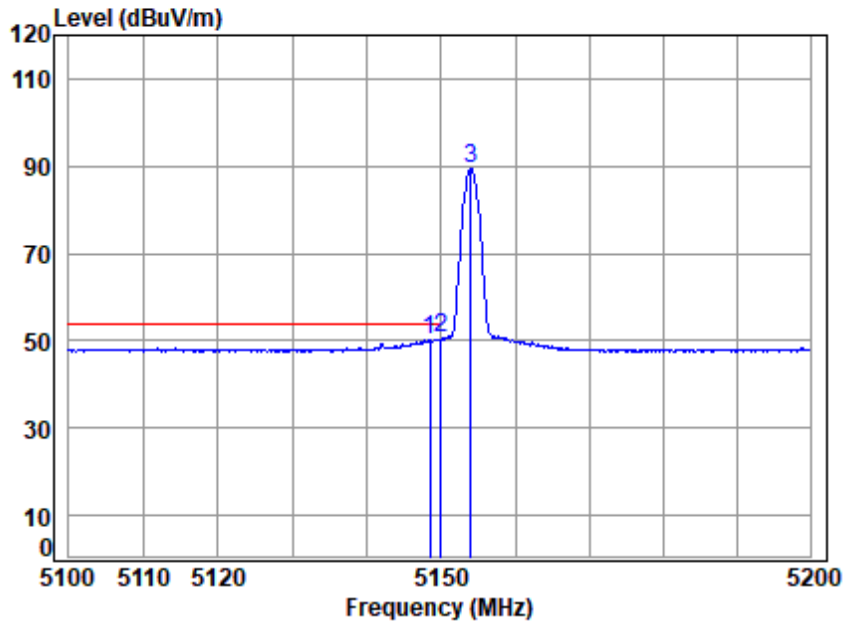


Site : chamber
Condition: 3m HORIZONTAL
Job No : 02140AT
Mode : 5154 Band edge
: 5.1G SDR 1.4M

		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	5147.958	18.83	33.90	35.31	44.46	61.88	74.00	-12.12	peak
2	5149.980	18.83	33.90	35.31	45.38	62.80	74.00	-11.20	peak
3 p	5154.000	18.84	33.91	35.31	78.49	95.93	68.20	27.73	peak



Test Mode: 45; Polarity: Horizontal; Modulation: OFDM; Bandwidth: 1.4MHz; Channel: Low

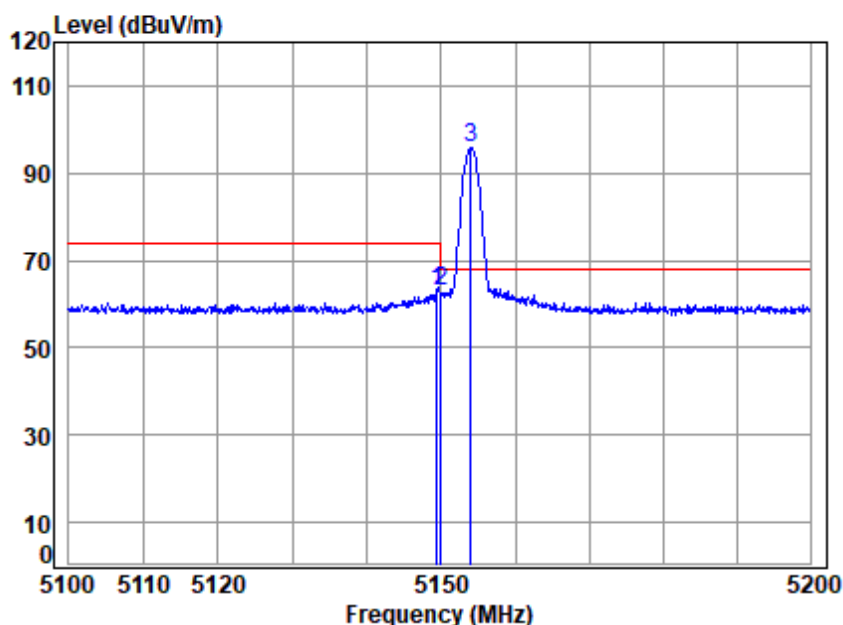


Site : chamber
Condition: 3m HORIZONTAL
Job No : 02140AT
Mode : 5154 Band edge
: 5.1G SDR 1.4M

		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	5148.458	18.83	33.90	35.31	32.80	50.22	54.00	-3.78	Average
2 q	5149.980	18.83	33.90	35.31	33.07	50.49	54.00	-3.51	Average
3	5154.000	18.84	33.91	35.31	71.90	89.34	-----	-----	Average



Test Mode: 45; Polarity: Vertical; Modulation: OFDM; Bandwidth: 1.4MHz; Channel: Low

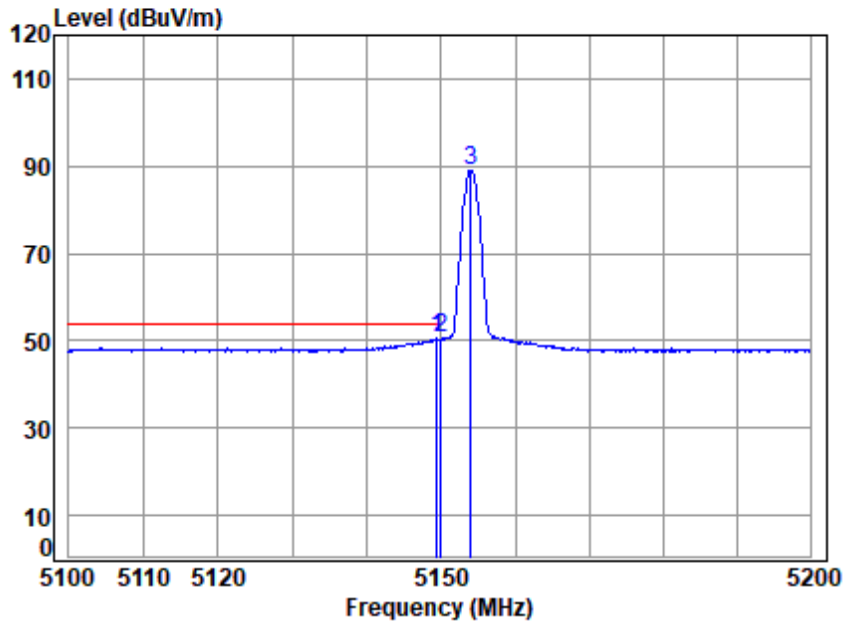


Site : chamber
Condition: 3m VERTICAL
Job No : 02140AT
Mode : 5154 Band edge
: 5.1G SDR 1.4M

		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	5149.458	18.83	33.90	35.31	45.41	62.83	74.00	-11.17	Peak
2	5149.980	18.83	33.90	35.31	45.76	63.18	74.00	-10.82	Peak
3 p	5154.000	18.84	33.91	35.31	78.23	95.67	68.20	27.47	Peak



Test Mode: 45; Polarity: Vertical; Modulation: OFDM; Bandwidth: 1.4MHz; Channel: Low

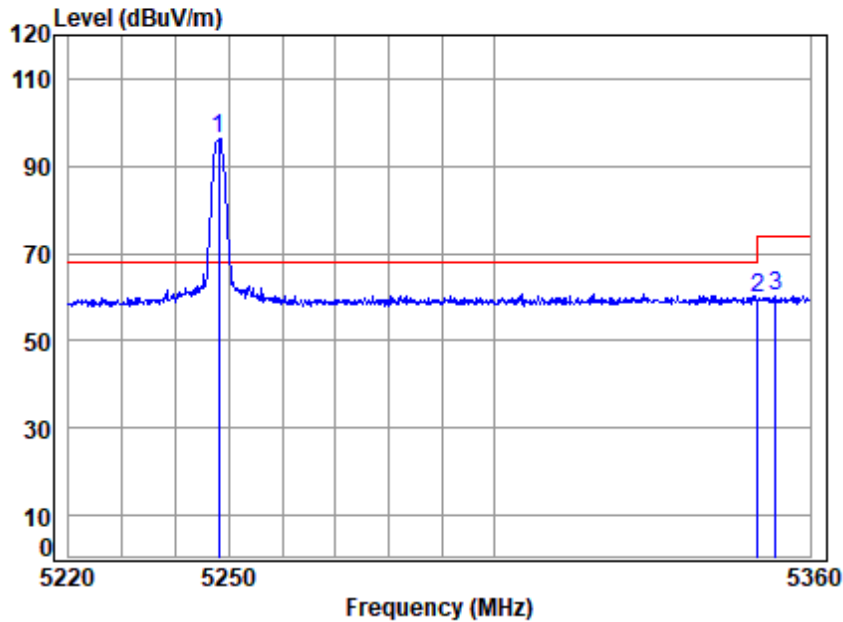


Site : chamber
Condition: 3m VERTICAL
Job No : 02140AT
Mode : 5154 Band edge
: 5.1G SDR 1.4M

		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	5149.357	18.83	33.90	35.31	33.01	50.43	54.00	-3.57 Average
2 q	5149.980	18.83	33.90	35.31	33.03	50.45	54.00	-3.55 Average
3	5154.000	18.84	33.91	35.31	71.65	89.09	-----	----- Average



Test Mode: 45; Polarity: Horizontal; Modulation: OFDM; Bandwidth: 1.4MHz; Channel: High



Site : chamber
Condition: 3m HORIZONTAL
Job No : 02140AT
Mode : 5248 Band edge
: 5.1G SDR 1.4M

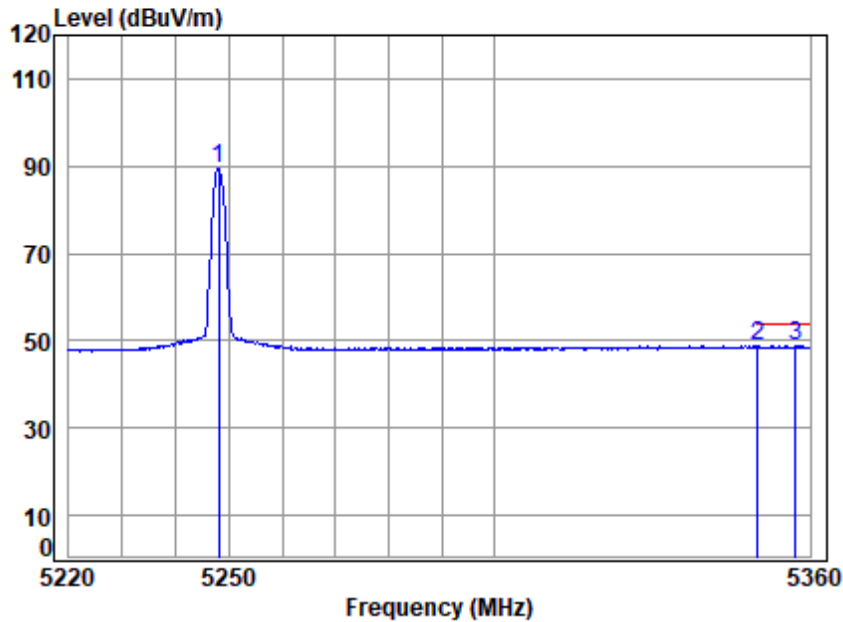
		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 p	5248.000	18.97	34.10	35.26	78.46	96.27	68.20	28.07	peak
2	5350.020	19.11	34.40	35.21	41.39	59.69	74.00	-14.31	peak
3	5353.479	19.11	34.41	35.21	41.88	60.19	74.00	-13.81	peak



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Test Mode: 45; Polarity: Horizontal; Modulation: OFDM; Bandwidth: 1.4MHz; Channel: High

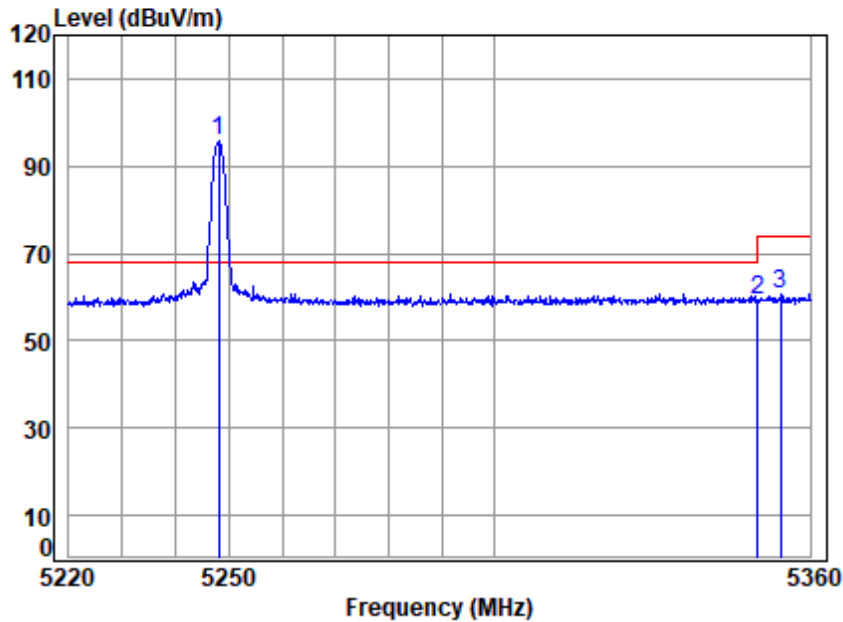


Site : chamber
Condition: 3m HORIZONTAL
Job No : 02140AT
Mode : 5248 Band edge
: 5.1G SDR 1.4M

		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	5248.000	18.97	34.10	35.26	71.81	89.62	-----	----- Average
2	5350.020	19.11	34.40	35.21	30.41	48.71	54.00	-5.29 Average
3 q	5357.305	19.12	34.43	35.20	30.44	48.79	54.00	-5.21 Average



Test Mode: 45; Polarity: Vertical; Modulation: OFDM; Bandwidth: 1.4MHz; Channel: High

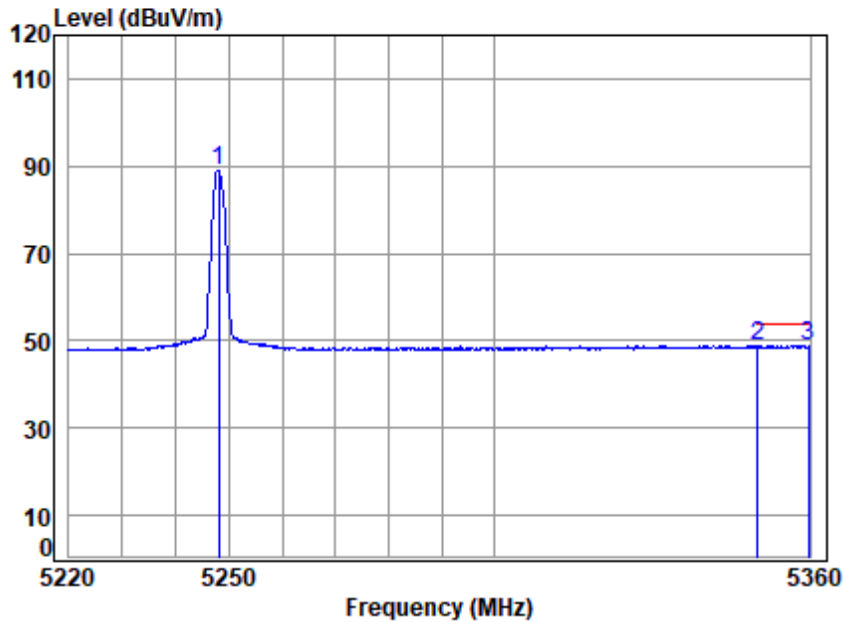


Site : chamber
Condition: 3m VERTICAL
Job No : 02140AT
Mode : 5248 Band edge
: 5.1G SDR 1.4M

		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 p	5248.000	18.97	34.10	35.26	77.83	95.64	68.20	27.44 Peak
2	5350.020	19.11	34.40	35.21	40.97	59.27	74.00	-14.73 Peak
3	5354.329	19.12	34.42	35.21	42.27	60.60	74.00	-13.40 Peak



Test Mode: 45; Polarity: Vertical; Modulation: OFDM; Bandwidth: 1.4MHz; Channel: High



Site : chamber
Condition: 3m VERTICAL
Job No : 02140AT
Mode : 5248 Band edge
: 5.1G SDR 1.4M

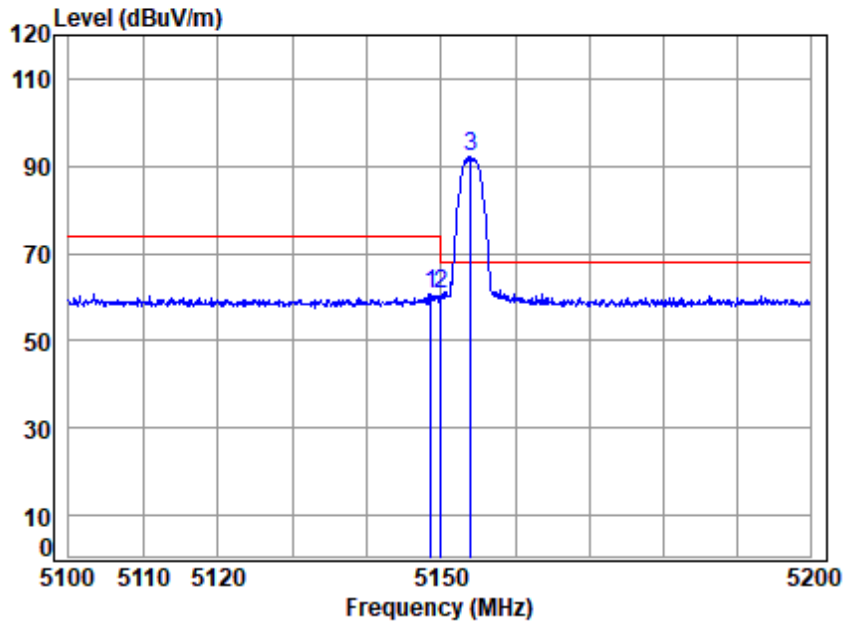
		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5248.000	18.97	34.10	35.26	71.33	89.14	-----	-----	Average
2	5350.020	19.11	34.40	35.21	30.46	48.76	54.00	-5.24	Average
3 q	5359.716	19.12	34.44	35.20	30.50	48.86	54.00	-5.14	Average



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Test Mode: 47; Polarity: Horizontal; Modulation: OFDM; Bandwidth: 3MHz; Channel: Low

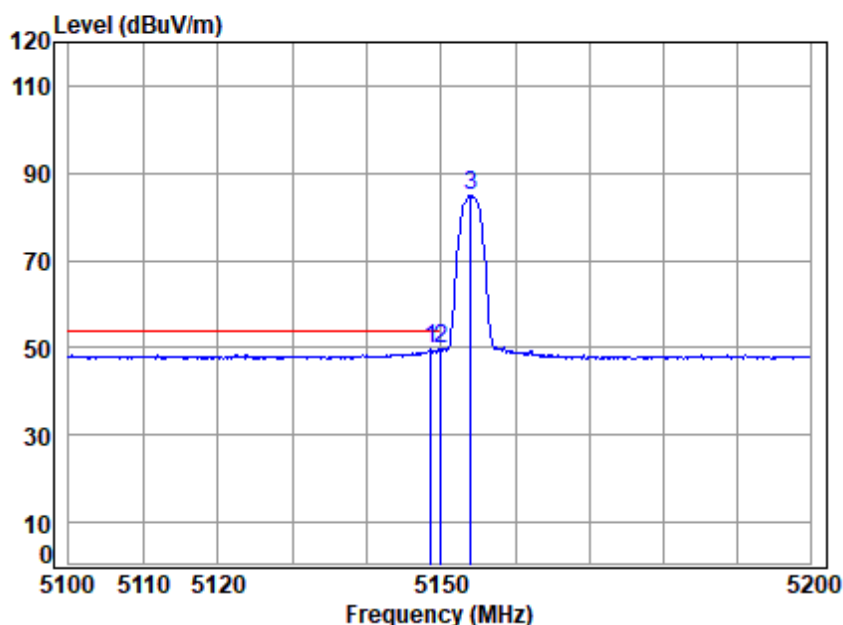


Site : chamber
Condition: 3m HORIZONTAL
Job No : 02140AT
Mode : 5154 Band edge
: 5.1G SDR 3M

		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	5148.657	18.83	33.90	35.31	43.17	60.59	74.00	-13.41	peak
2	5149.980	18.83	33.90	35.31	43.46	60.88	74.00	-13.12	peak
3 p	5154.000	18.84	33.91	35.31	74.81	92.25	68.20	24.05	peak



Test Mode: 47; Polarity: Horizontal; Modulation: OFDM; Bandwidth: 3MHz; Channel: Low

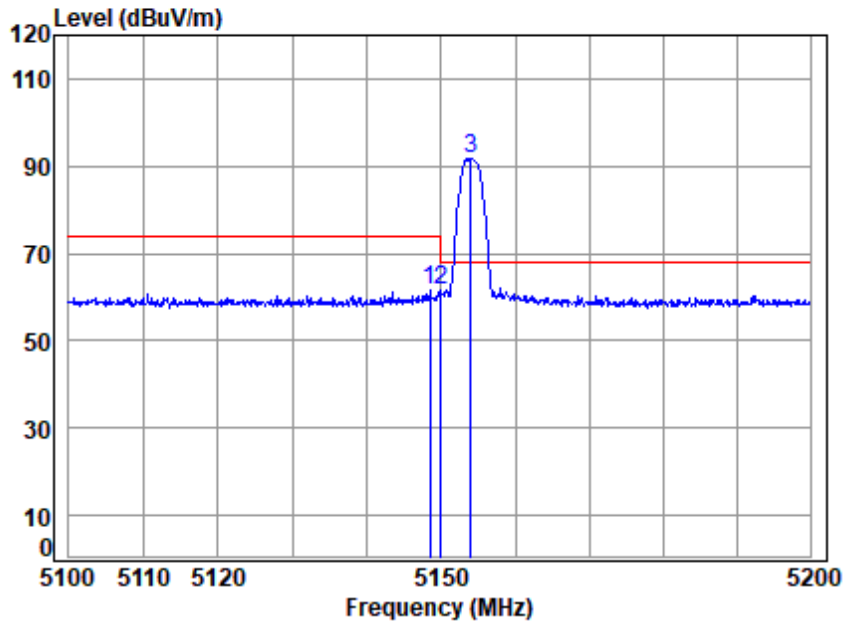


Site : chamber
Condition: 3m HORIZONTAL
Job No : 02140AT
Mode : 5154 Band edge
: 5.1G SDR 3M

		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 5148.558	18.83	33.90	35.31	32.36	49.78	54.00	-4.22	Average
2 5149.980	18.83	33.90	35.31	32.30	49.72	54.00	-4.28	Average
3 5154.000	18.84	33.91	35.31	67.57	85.01	-----	-----	Average



Test Mode: 47; Polarity: Vertical; Modulation: OFDM; Bandwidth: 3MHz; Channel: Low



Site : chamber

Condition: 3m VERTICAL

Job No : 02140AT

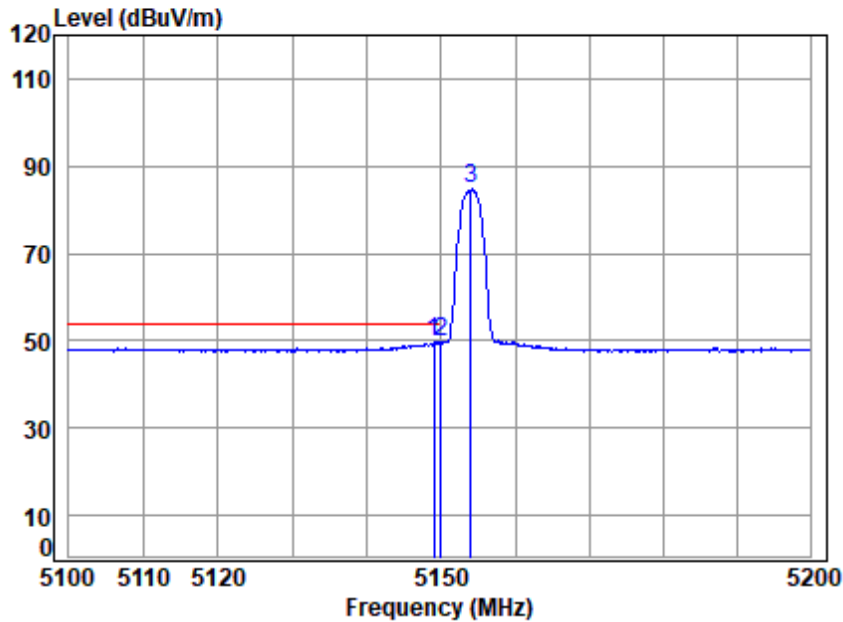
Mode : 5154 Band edge

: 5.1G 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	5148.458	18.83	33.90	35.31	44.14	61.56	74.00	-12.44	Peak
2	5149.980	18.83	33.90	35.31	44.39	61.81	74.00	-12.19	Peak
3 p	5154.000	18.84	33.91	35.31	74.44	91.88	68.20	23.68	Peak



Test Mode: 47; Polarity: Vertical; Modulation: OFDM; Bandwidth: 3MHz; Channel: Low

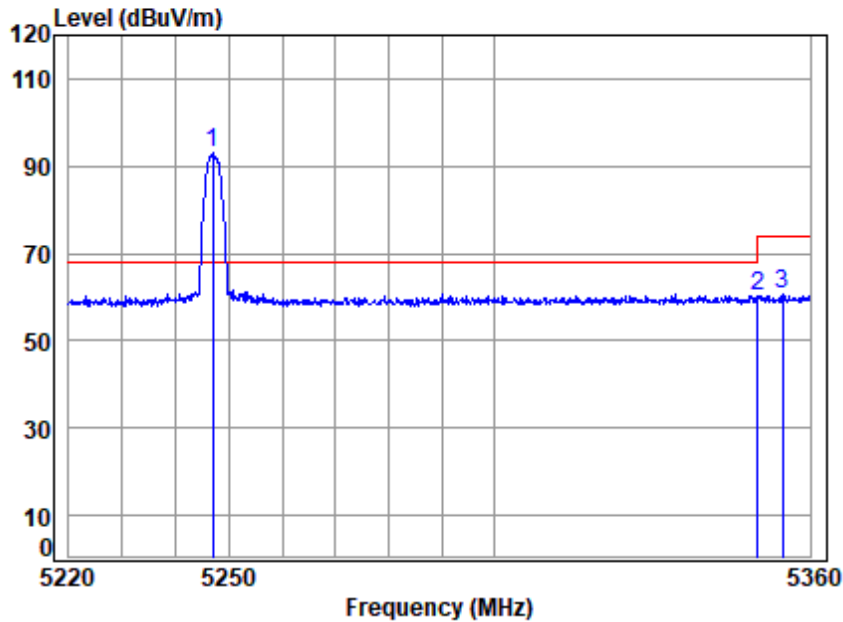


Site : chamber
Condition: 3m VERTICAL
Job No : 02140AT
Mode : 5154 Band edge
: 5.1G SDR 3M

		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 5149.057	18.83	33.90	35.31	32.19	49.61	54.00	-4.39	Average
2 q 5149.980	18.83	33.90	35.31	32.52	49.94	54.00	-4.06	Average
3 5154.000	18.84	33.91	35.31	67.22	84.66	-----	-----	Average



Test Mode: 47; Polarity: Horizontal; Modulation: OFDM; Bandwidth: 3MHz; Channel: High

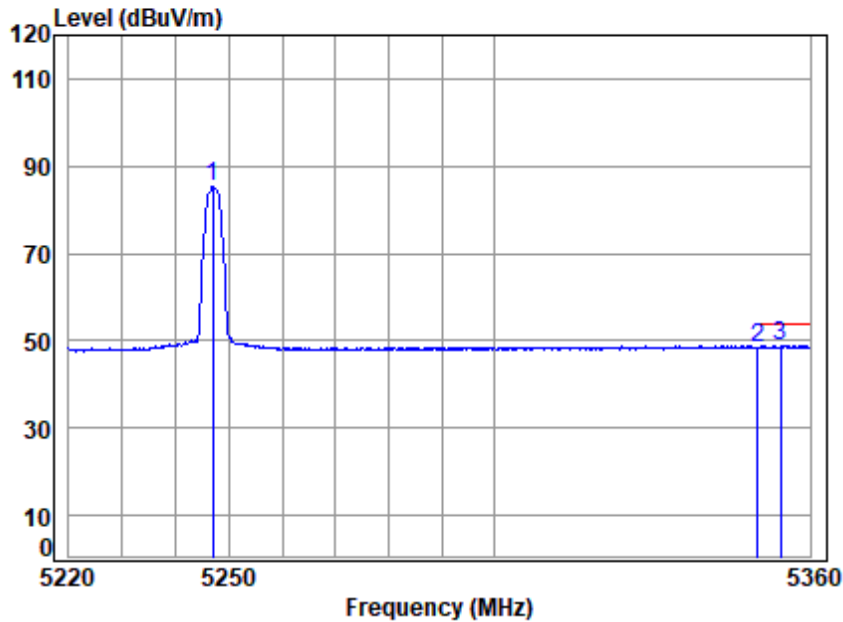


Site : chamber
Condition: 3m HORIZONTAL
Job No : 02140AT
Mode : 5247 Band edge
: 5.1G SDR 3M

		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 p	5247.000	18.97	34.09	35.26	75.13	92.93	68.20	24.73 peak
2	5350.020	19.11	34.40	35.21	41.77	60.07	74.00	-13.93 peak
3	5354.754	19.12	34.42	35.21	42.41	60.74	74.00	-13.26 peak



Test Mode: 47; Polarity: Horizontal; Modulation: OFDM; Bandwidth: 3MHz; Channel: High

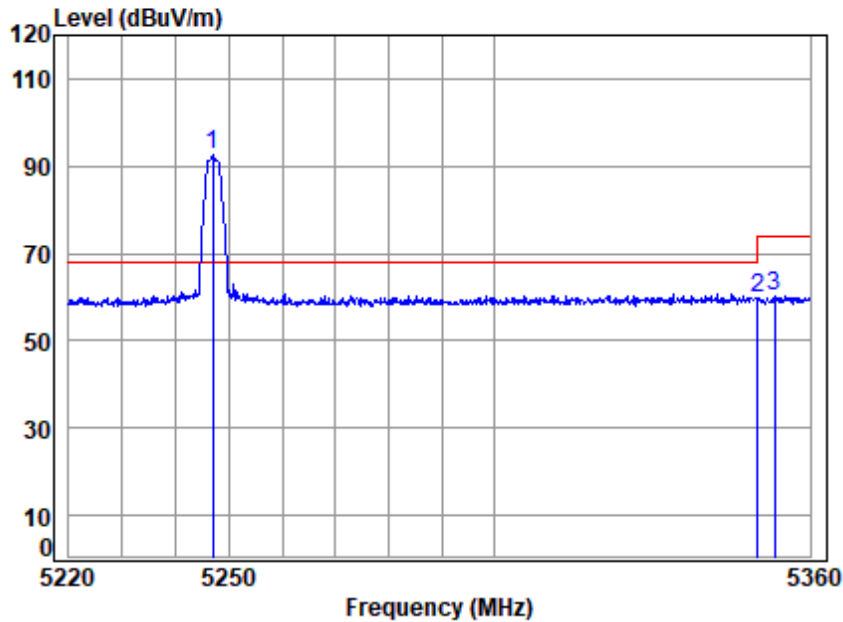


Site : chamber
Condition: 3m HORIZONTAL
Job No : 02140AT
Mode : 5247 Band edge
: 5.1G SDR 3M

		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	5247.000	18.97	34.09	35.26	67.53	85.33	-----	----- Average
2	5350.020	19.11	34.40	35.21	30.27	48.57	54.00	-5.43 Average
3 q	5354.329	19.12	34.42	35.21	30.49	48.82	54.00	-5.18 Average



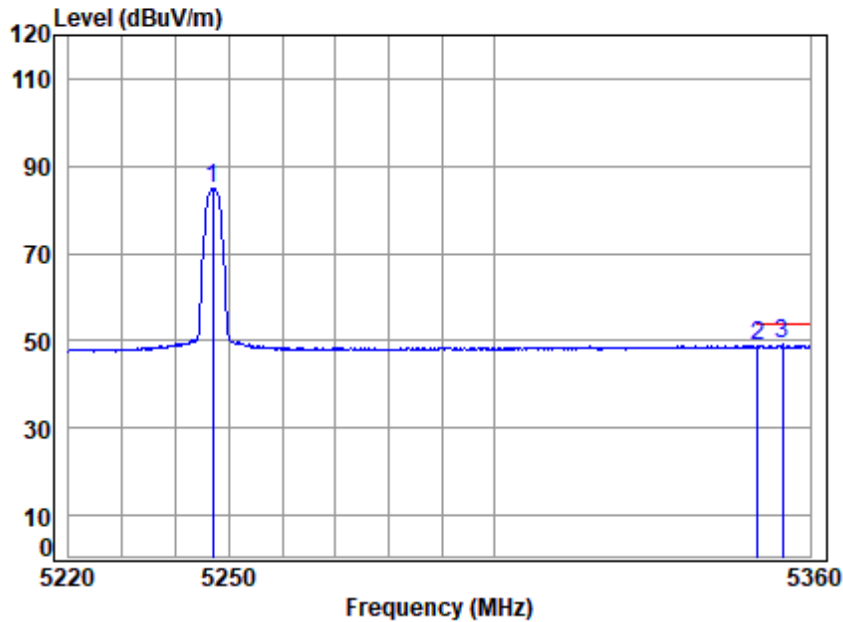
Test Mode: 47; Polarity: Vertical; Modulation: OFDM; Bandwidth: 3MHz; Channel: High



Site : chamber
Condition: 3m VERTICAL
Job No : 02140AT
Mode : 5247 Band edge
: 5.1G 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 p 5247.000	18.97	34.09	35.26	74.61	92.41	68.20	24.21	Peak
2 5350.020	19.11	34.40	35.21	41.45	59.75	74.00	-14.25	Peak
3 5353.195	19.11	34.41	35.21	41.78	60.09	74.00	-13.91	Peak

Test Mode: 47; Polarity: Vertical; Modulation: OFDM; Bandwidth: 3MHz; Channel: High

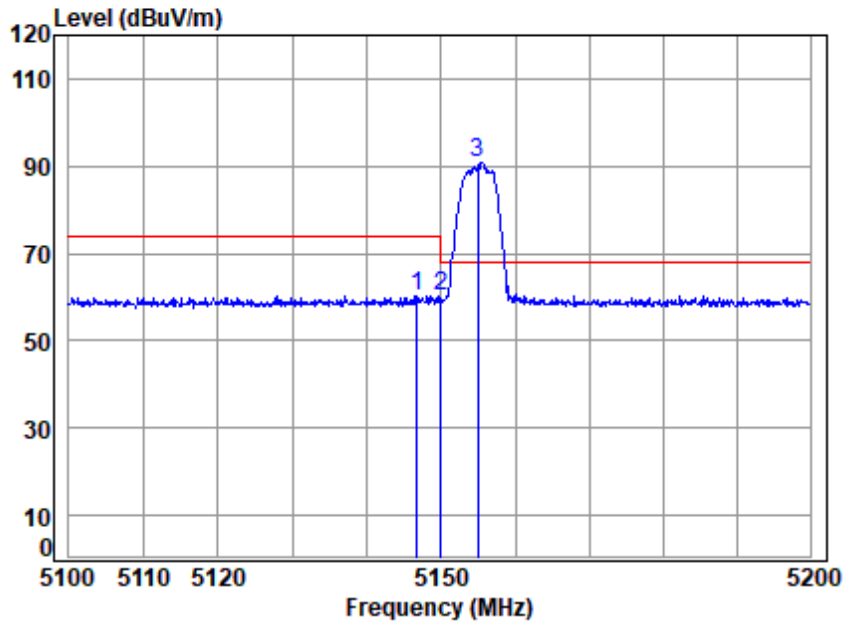


Site : chamber
Condition: 3m VERTICAL
Job No : 02140AT
Mode : 5247 Band edge
: 5.1G SDR 3M

		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	5247.000	18.97	34.09	35.26	67.13	84.93	-----	Average
2	5350.020	19.11	34.40	35.21	30.39	48.69	54.00	-5.31 Average
3 q	5354.754	19.12	34.42	35.21	30.73	49.06	54.00	-4.94 Average



Test Mode: 49; Polarity: Horizontal; Modulation: OFDM; Bandwidth: 5MHz; Channel: Low

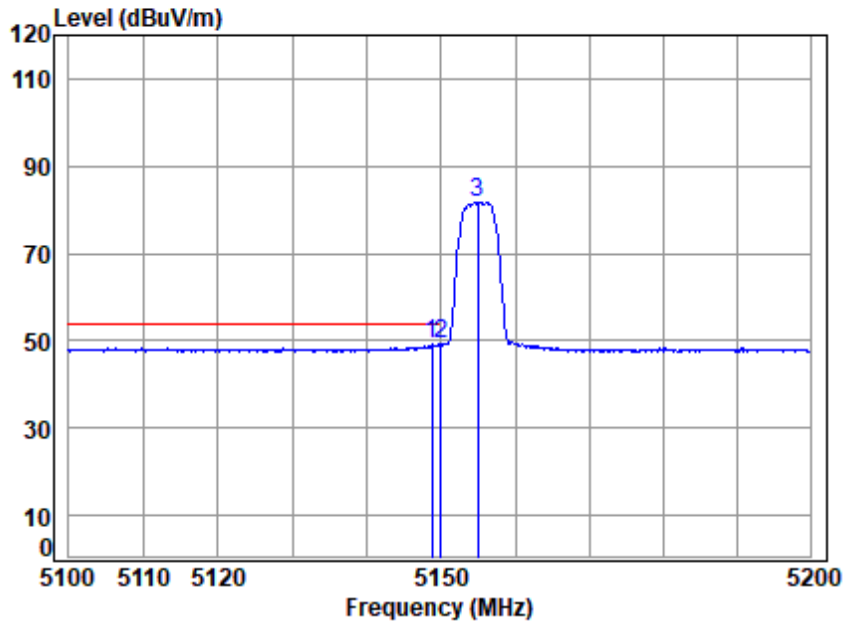


Site : chamber
Condition: 3m HORIZONTAL
Job No : 02140AT
Mode : 5155 Band edge
: 5.1G SDR 5M

		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	5146.758	18.83	33.91	35.31	42.98	60.41	74.00	-13.59	peak
2	5149.980	18.83	33.90	35.31	42.69	60.11	74.00	-13.89	peak
3 p	5155.000	18.84	33.91	35.31	73.43	90.87	68.20	22.67	peak



Test Mode: 49; Polarity: Horizontal; Modulation: OFDM; Bandwidth: 5MHz; Channel: Low

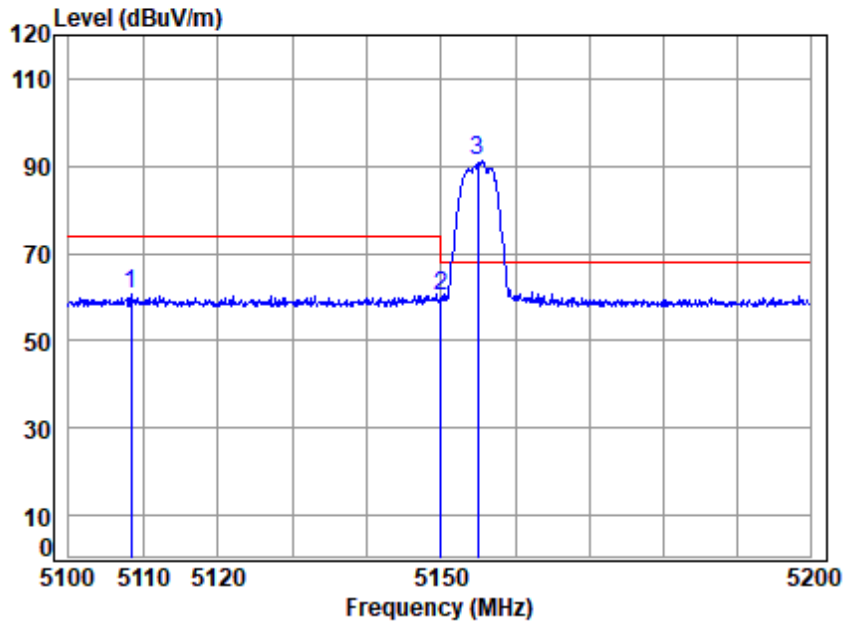


Site : chamber
Condition: 3m HORIZONTAL
Job No : 02140AT
Mode : 5155 Band edge
: 5.1G SDR 5M

		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	5148.757	18.83	33.90	35.31	31.75	49.17	54.00	-4.83 Average
2 q	5149.980	18.83	33.90	35.31	32.01	49.43	54.00	-4.57 Average
3	5155.000	18.84	33.91	35.31	64.29	81.73	-----	----- Average



Test Mode: 49; Polarity: Vertical; Modulation: OFDM; Bandwidth: 5MHz; Channel: Low

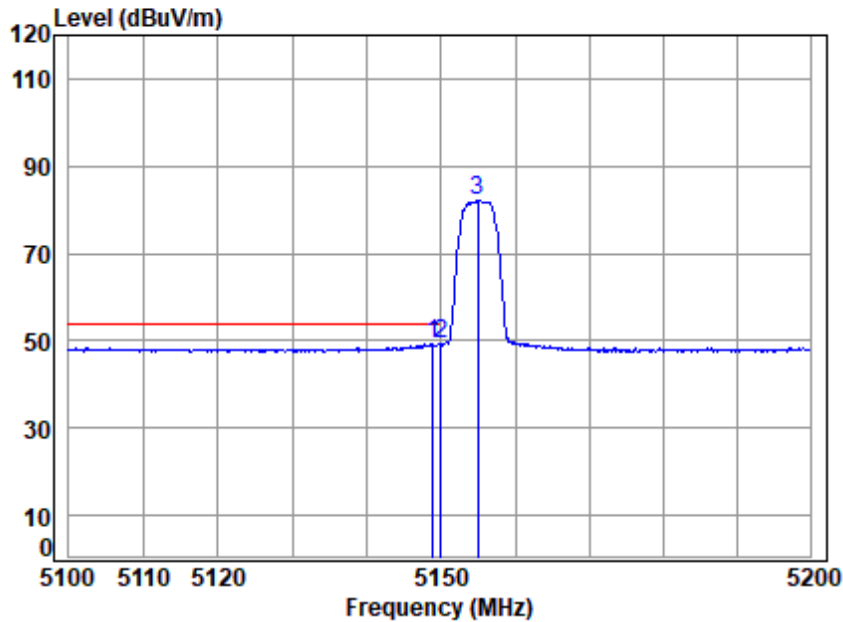


Site : chamber
Condition: 3m VERTICAL
Job No : 02140AT
Mode : 5155 Band edge
: 5.1G SDR 5M

		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	5108.326	18.78	33.98	35.33	43.48	60.91	74.00	-13.09	Peak
2	5149.980	18.83	33.90	35.31	42.62	60.04	74.00	-13.96	Peak
3 p	5155.000	18.84	33.91	35.31	73.77	91.21	68.20	23.01	Peak



Test Mode: 49; Polarity: Vertical; Modulation: OFDM; Bandwidth: 5MHz; Channel: Low

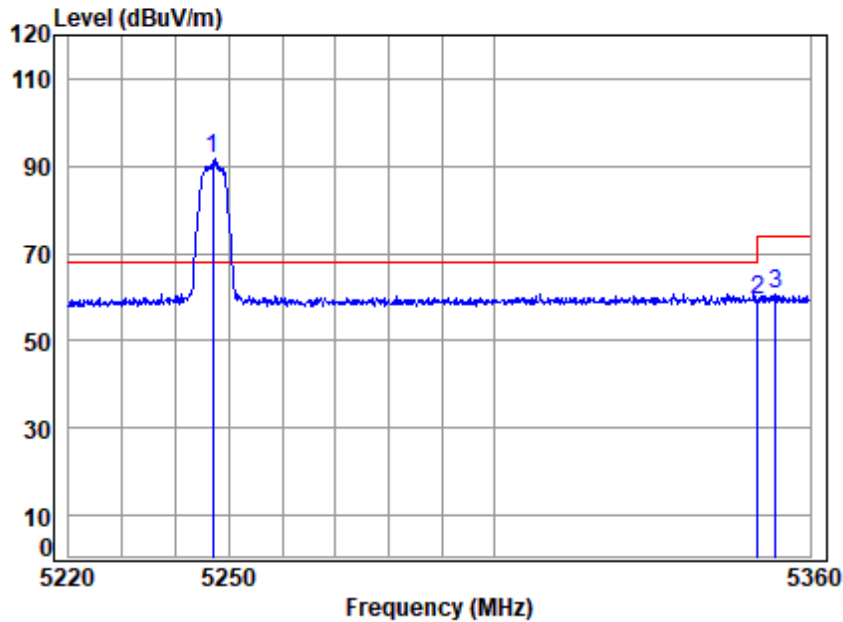


Site : chamber
Condition: 3m VERTICAL
Job No : 02140AT
Mode : 5155 Band edge
: 5.1G SDR 5M

		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	5148.857	18.83	33.90	35.31	31.71	49.13	54.00	-4.87	Average
2 q	5149.980	18.83	33.90	35.31	32.00	49.42	54.00	-4.58	Average
3	5155.000	18.84	33.91	35.31	64.67	82.11	-----	-----	Average



Test Mode: 49; Polarity: Horizontal; Modulation: OFDM; Bandwidth: 5MHz; Channel: High



Site : chamber
Condition: 3m HORIZONTAL
Job No : 02140AT
Mode : 5247 Band edge
: 5.1G SDR 5M

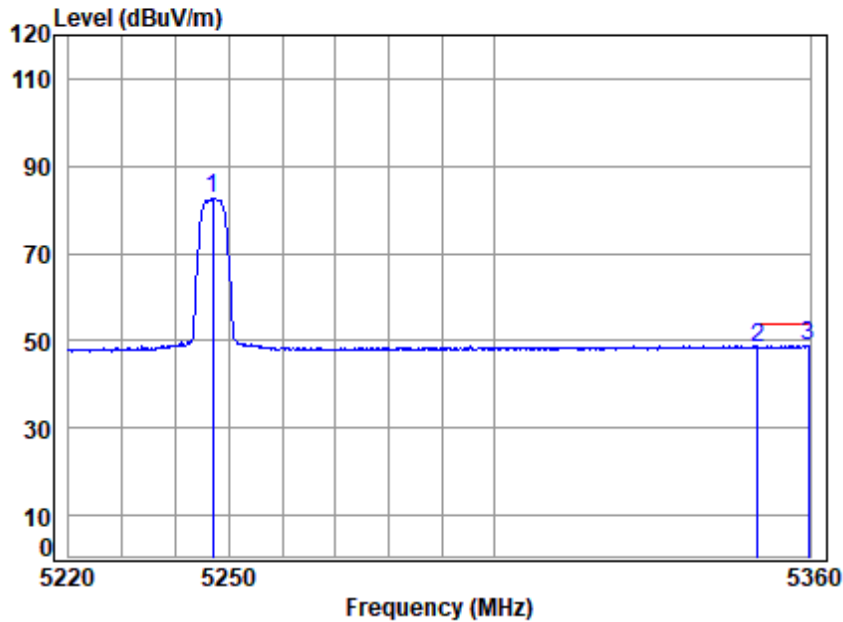
		Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 p 5247.000	18.97	34.09	35.26	73.82	91.62	68.20	23.42	peak
2 5350.020	19.11	34.40	35.21	40.94	59.24	74.00	-14.76	peak
3 5353.337	19.11	34.41	35.21	42.49	60.80	74.00	-13.20	peak



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Test Mode: 49; Polarity: Horizontal; Modulation: OFDM; Bandwidth: 5MHz; Channel: High

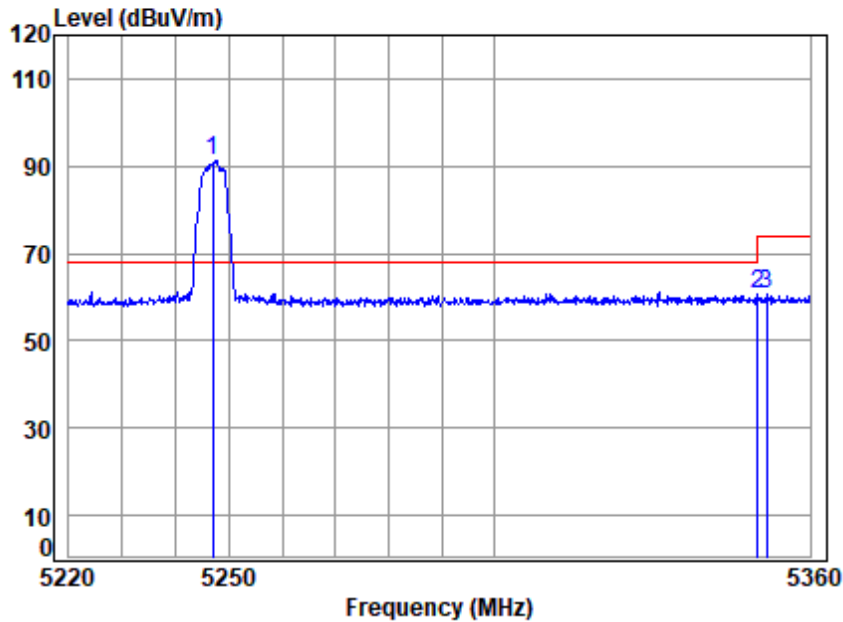


Site : chamber
Condition: 3m HORIZONTAL
Job No : 02140AT
Mode : 5247 Band edge
: 5.1G SDR 5M

		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	5247.000	18.97	34.09	35.26	64.80	82.60	-----	----- Average
2	5350.020	19.11	34.40	35.21	30.20	48.50	54.00	-5.50 Average
3 q	5359.716	19.12	34.44	35.20	30.49	48.85	54.00	-5.15 Average



Test Mode: 49; Polarity: Vertical; Modulation: OFDM; Bandwidth: 5MHz; Channel: High



Site : chamber
Condition: 3m VERTICAL
Job No : 02140AT
Mode : 5247 Band edge
: 5.1G 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 p 5247.000	18.97	34.09	35.26	73.52	91.32	68.20	23.12	Peak
2 5350.020	19.11	34.40	35.21	42.50	60.80	74.00	-13.20	Peak
3 5351.637	19.11	34.41	35.21	42.20	60.51	74.00	-13.49	Peak



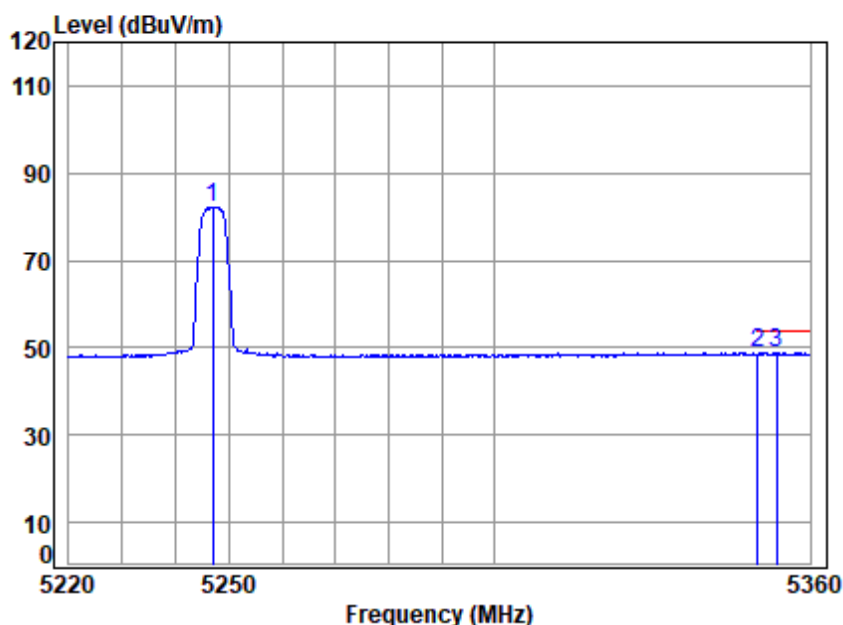
SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

SZEMC-TRF-01 Rev. A/1

Report No.: SZCR240600214005

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Test Mode: 49; Polarity: Vertical; Modulation: OFDM; Bandwidth: 5MHz; Channel: High



Site : chamber
Condition: 3m VERTICAL
Job No : 02140AT
Mode : 5247 Band edge
: 5.1G 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	5247.000	18.97	34.09	35.26	64.50	82.30	-----	----- Average
2	5350.020	19.11	34.40	35.21	30.41	48.71	54.00	-5.29 Average
3 q	5353.620	19.11	34.41	35.21	30.54	48.85	54.00	-5.15 Average



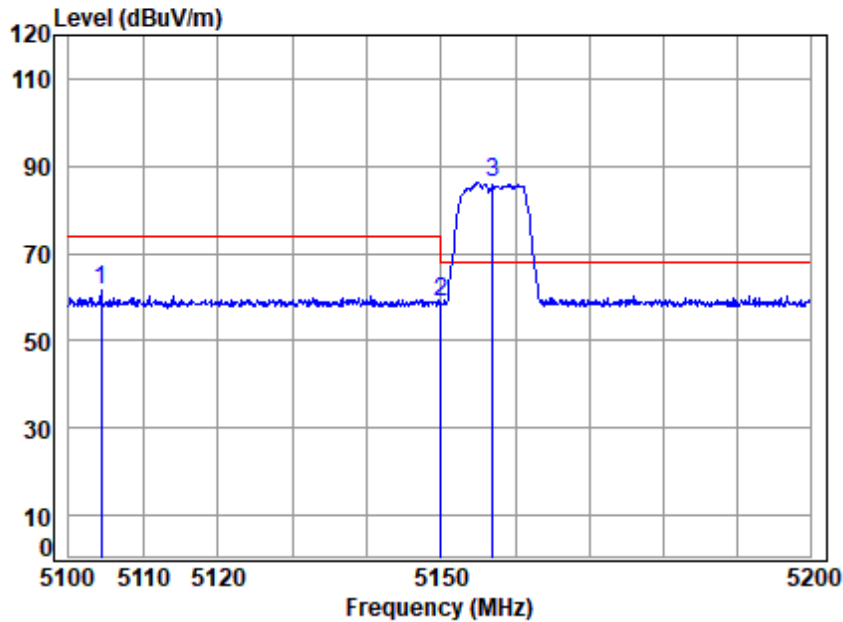
SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch Inspection & Testing Laboratory

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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: 21; Polarity: Horizontal; Modulation: OFDM; Bandwidth: 10MHz; Channel: Low

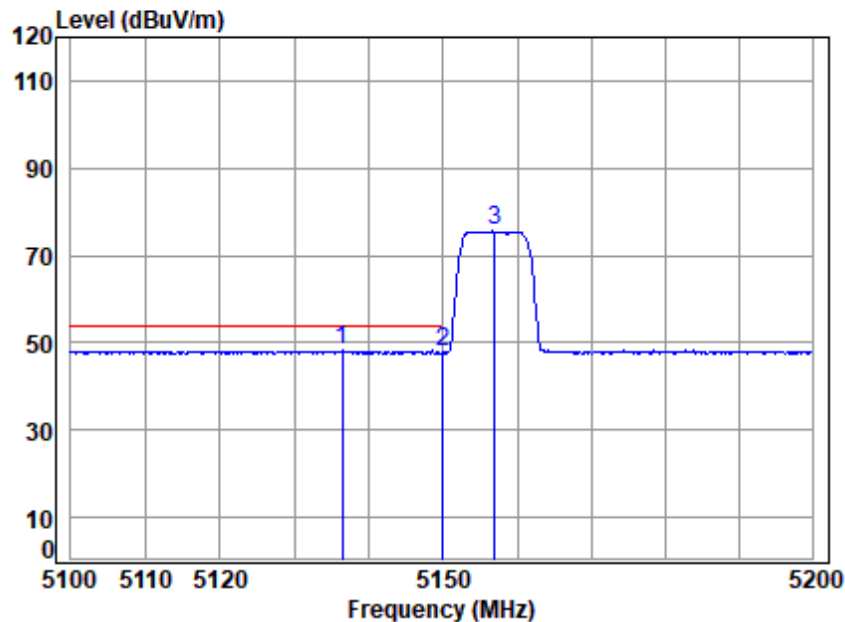


Site : chamber
Condition: 3m HORIZONTAL
Job No : 02140AT
Mode : 5157 Band edge
: 5.1G SDR 10M

		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	5104.359	28.94	33.99	51.99	50.68	61.62	74.00	-12.38	peak
2	5149.980	29.00	33.90	51.98	47.98	58.90	74.00	-15.10	peak
3 p	5157.000	29.01	33.91	51.98	75.42	86.36	68.20	18.16	peak



Test Mode: 21; Polarity: Horizontal; Modulation: OFDM; Bandwidth: 10MHz; Channel: Low

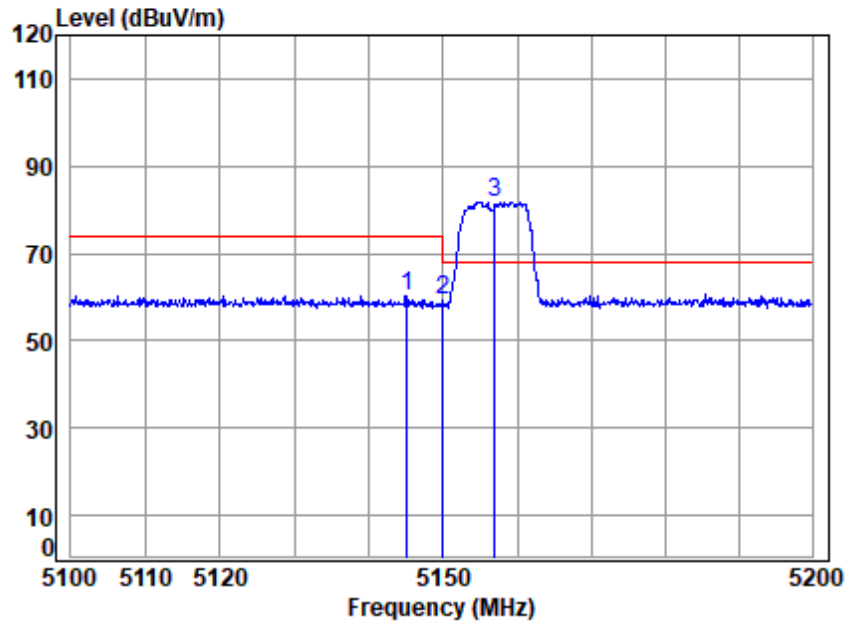


Site : chamber
Condition: 3m HORIZONTAL
Job No : 02140AT
Mode : 5157 Band edge
: 5.1G SDR 10M

		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 q 5136.375	28.98	33.93	51.98	37.23	48.16	54.00	-5.84	Average
2 5149.980	29.00	33.90	51.98	36.90	47.82	54.00	-6.18	Average
3 5157.000	29.01	33.91	51.98	64.58	75.52	-----	-----	Average



Test Mode: 21; Polarity: Vertical; Modulation: OFDM; Bandwidth: 10MHz; Channel: Low

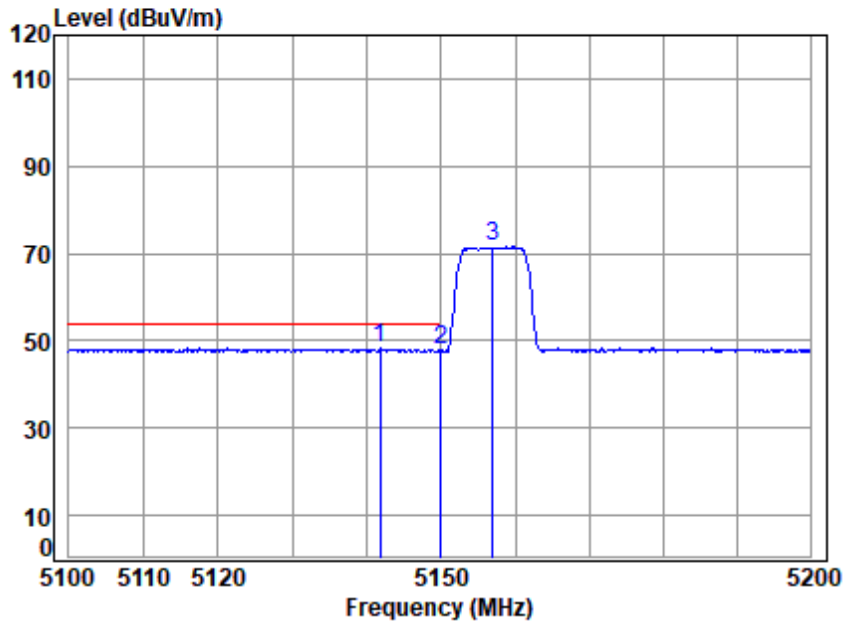


Site : chamber
Condition: 3m VERTICAL
Job No : 02140AT
Mode : 5157 Band edge
: 5.1G SDR 10M

		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	5145.159	28.99	33.91	51.98	49.50	60.42	74.00	-13.58	Peak
2	5149.980	29.00	33.90	51.98	48.48	59.40	74.00	-14.60	Peak
3 p	5157.000	29.01	33.91	51.98	70.95	81.89	68.20	13.69	Peak



Test Mode: 21; Polarity: Vertical; Modulation: OFDM; Bandwidth: 10MHz; Channel: Low

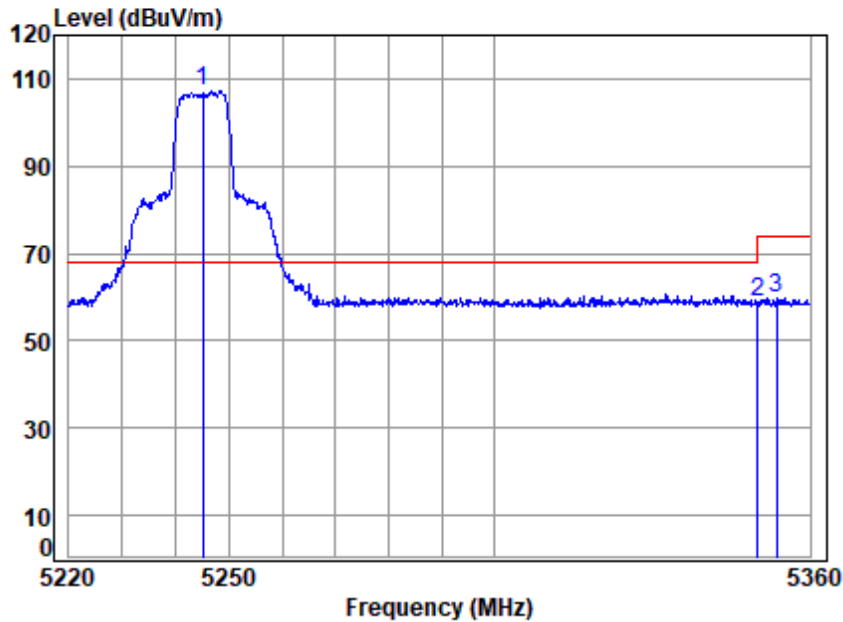


Site : chamber
Condition: 3m VERTICAL
Job No : 02140AT
Mode : 5157 Band edge
: 5.1G SDR 10M

		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 q	5141.764	28.99	33.92	51.98	37.47	48.40	54.00	-5.60 Average
2	5149.980	29.00	33.90	51.98	36.78	47.70	54.00	-6.30 Average
3	5157.000	29.01	33.91	51.98	60.69	71.63	-----	----- Average



Test Mode: 21; Polarity: Horizontal; Modulation: OFDM; Bandwidth: 10MHz; Channel: High



Site : chamber
Condition: 3m HORIZONTAL
Job No : 02140AT
Mode : 5245 Band edge
: 5.1G SDR 10M

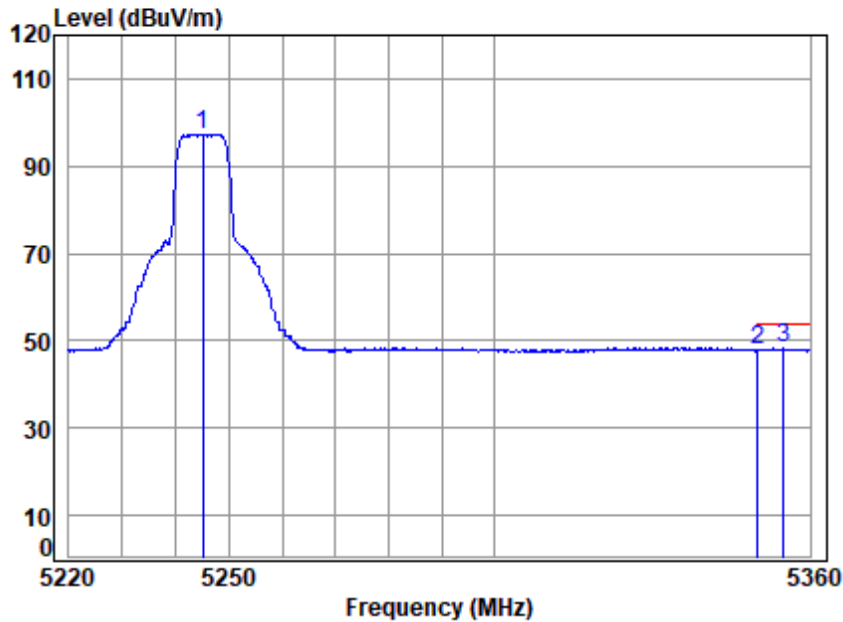
		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 p	5245.000	29.13	34.09	51.96	96.02	107.28	68.20	39.08 peak
2	5350.020	29.27	34.40	51.94	47.27	59.00	74.00	-15.00 peak
3	5353.620	29.28	34.41	51.93	48.14	59.90	74.00	-14.10 peak



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Test Mode: 21; Polarity: Horizontal; Modulation: OFDM; Bandwidth: 10MHz; Channel: High

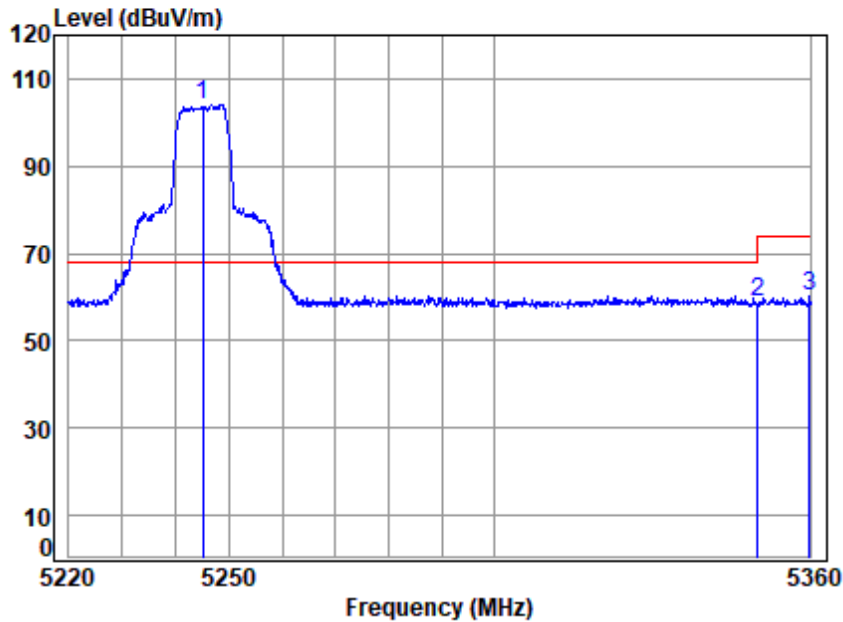


Site : chamber
Condition: 3m HORIZONTAL
Job No : 02140AT
Mode : 5245 Band edge
: 5.1G SDR 10M

		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	5245.000	29.13	34.09	51.96	86.05	97.31	-----	-----	Average
2	5350.020	29.27	34.40	51.94	36.29	48.02	54.00	-5.98	Average
3 q	5354.896	29.28	34.42	51.93	36.49	48.26	54.00	-5.74	Average



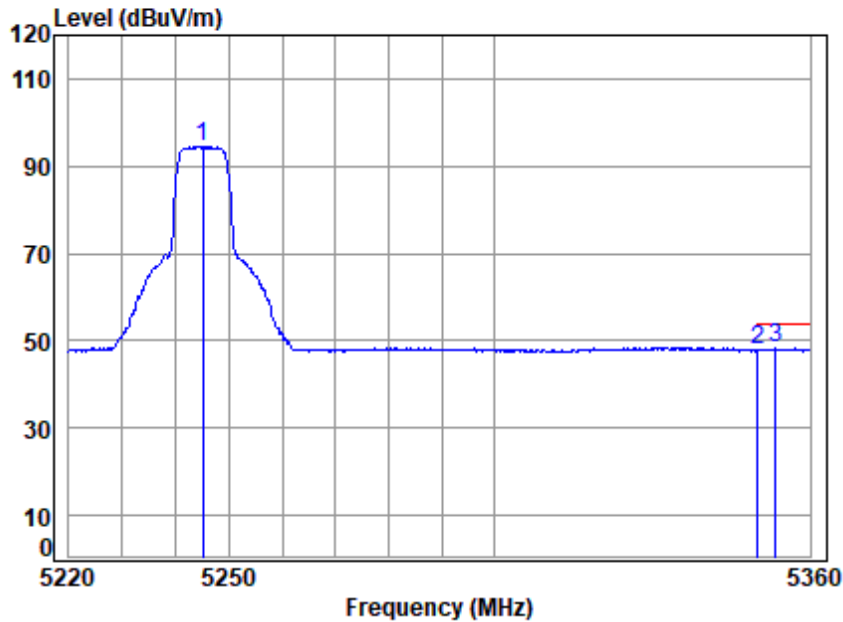
Test Mode: 21; Polarity: Vertical; Modulation: OFDM; Bandwidth: 10MHz; Channel: High



Site : chamber
Condition: 3m VERTICAL
Job No : 02140AT
Mode : 5245 Band edge
: 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 p 5245.000	29.13	34.09	51.96	93.00	104.26	68.20	36.06	Peak
2 5350.020	29.27	34.40	51.94	47.28	59.01	74.00	-14.99	Peak
3 5359.858	29.29	34.44	51.93	48.62	60.42	74.00	-13.58	Peak

Test Mode: 21; Polarity: Vertical; Modulation: OFDM; Bandwidth: 10MHz; Channel: High

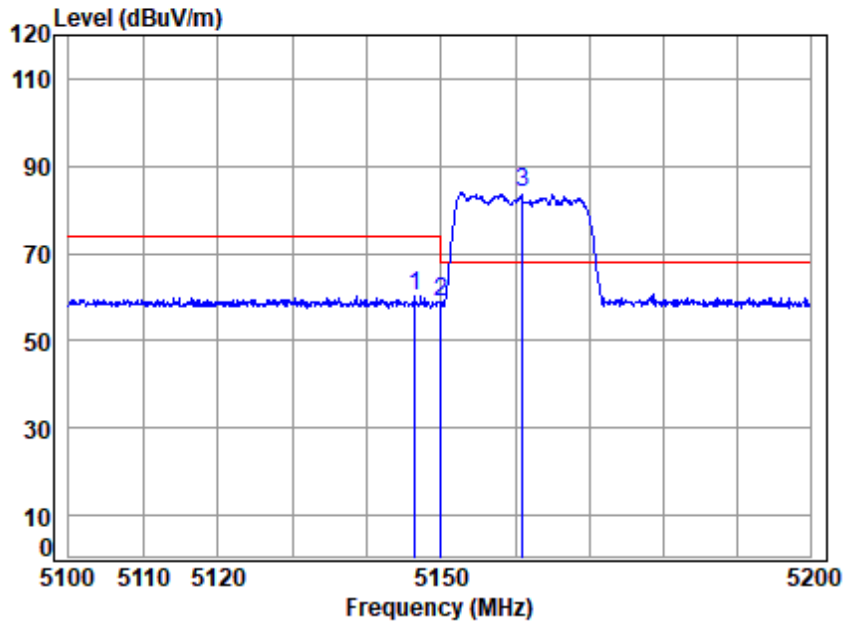


Site : chamber
Condition: 3m VERTICAL
Job No : 02140AT
Mode : 5245 Band edge
: 5.1G SDR 10M

		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	5245.000	29.13	34.09	51.96	83.26	94.52	-----	----- Average
2	5350.020	29.27	34.40	51.94	36.34	48.07	54.00	-5.93 Average
3 q	5353.337	29.28	34.41	51.94	36.45	48.20	54.00	-5.80 Average



Test Mode: 23; Polarity: Horizontal; Modulation: OFDM; Bandwidth: 20MHz; Channel: Low

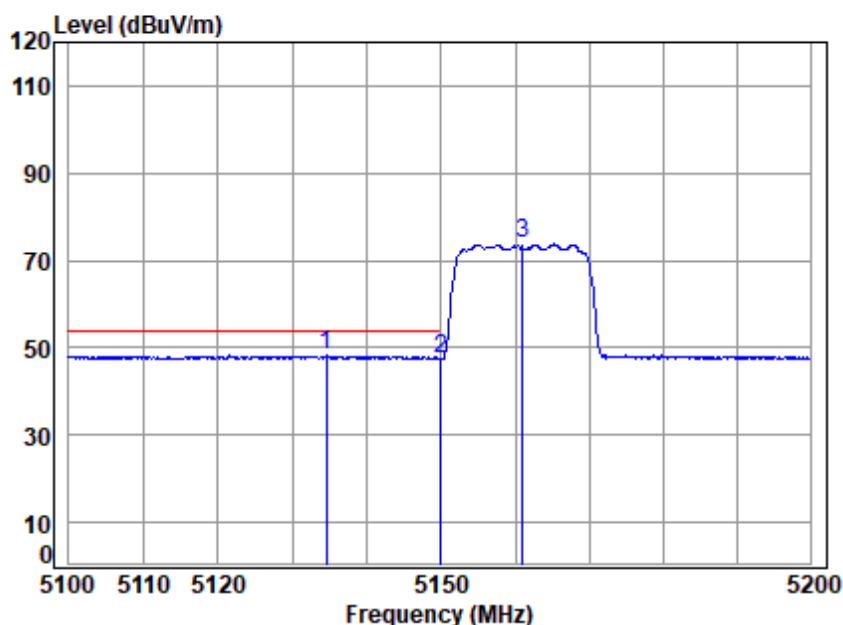


Site : chamber
Condition: 3m HORIZONTAL
Job No : 02140AT
Mode : 5161 Band edge
: 5.1G SDR 20M

		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	5146.458	29.00	33.91	51.98	49.49	60.42	74.00	-13.58	peak
2	5149.980	29.00	33.90	51.98	48.00	58.92	74.00	-15.08	peak
3 p	5161.000	29.02	33.92	51.98	73.02	83.98	68.20	15.78	peak



Test Mode: 23; Polarity: Horizontal; Modulation: OFDM; Bandwidth: 20MHz; Channel: Low

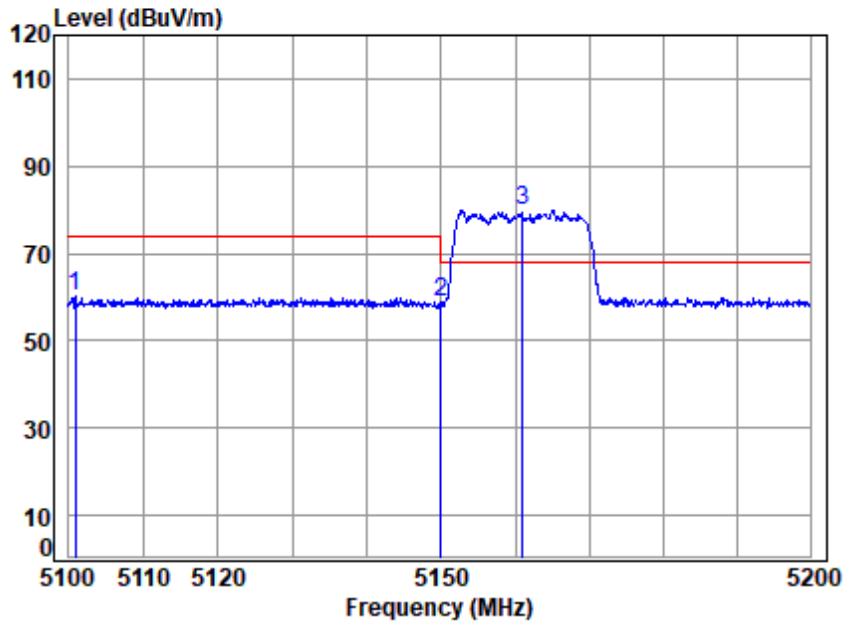


Site : chamber
Condition: 3m HORIZONTAL
Job No : 02140AT
Mode : 5161 Band edge
: 5.1G SDR 20M

		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 5134.480	28.98	33.93	51.98	37.23	48.16	54.00	-5.84	Average
2 5149.980	29.00	33.90	51.98	36.71	47.63	54.00	-6.37	Average
3 5161.000	29.02	33.92	51.98	62.73	73.69	-----	-----	Average



Test Mode: 23; Polarity: Vertical; Modulation: OFDM; Bandwidth: 20MHz; Channel: Low

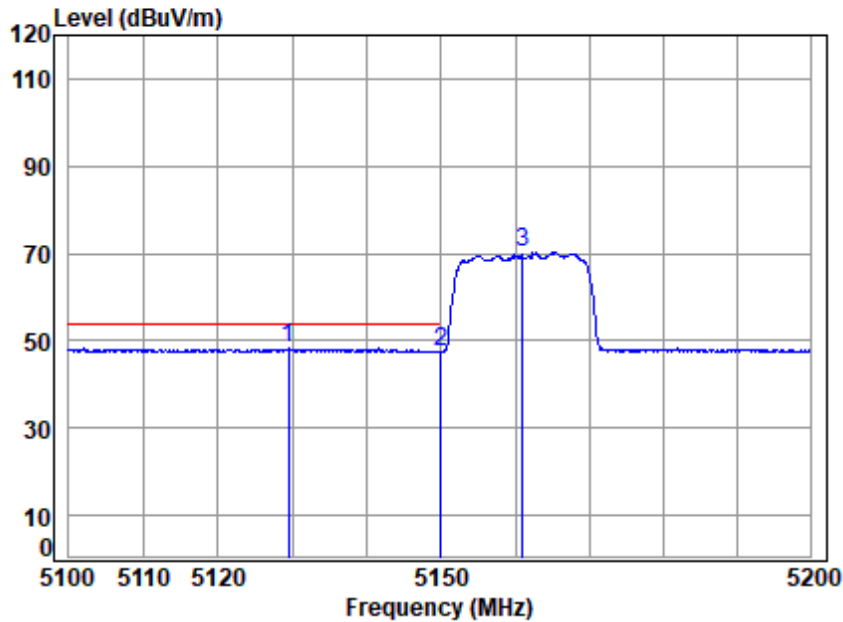


Site : chamber
 Condition: 3m VERTICAL
 Job No : 02140AT
 Mode : 5161 Band edge
 : 5.1G SDR 20M

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5100.892	28.93	34.00	51.99	49.12	60.06	74.00	-13.94	Peak
2	5149.980	29.00	33.90	51.98	47.77	58.69	74.00	-15.31	Peak
3 p	5161.000	29.02	33.92	51.98	68.91	79.87	68.20	11.67	Peak



Test Mode: 23; Polarity: Vertical; Modulation: OFDM; Bandwidth: 20MHz; Channel: Low

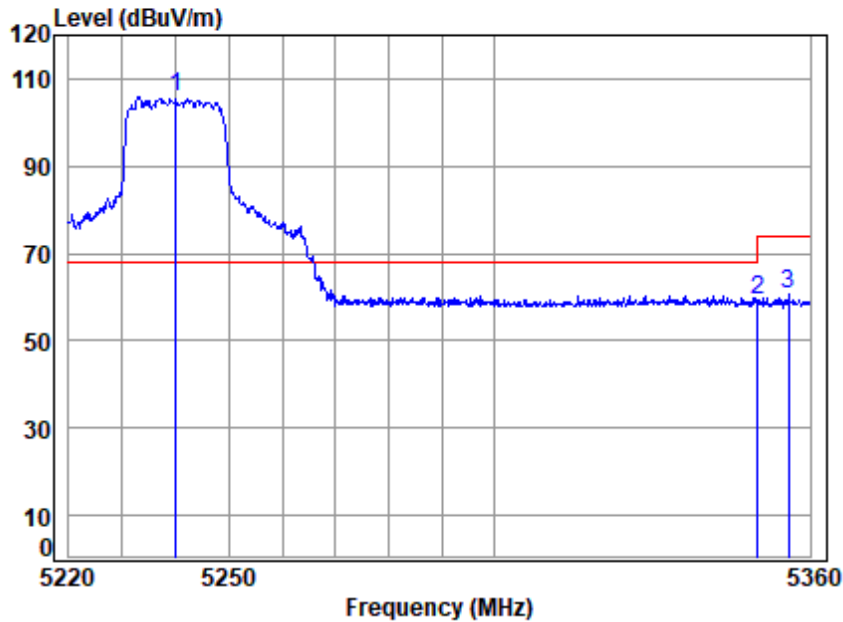


Site : chamber
Condition: 3m VERTICAL
Job No : 02140AT
Mode : 5161 Band edge
: 5.1G SDR 20M

		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 5129.398	28.97	33.94	51.99	37.39	48.31	54.00	-5.69	Average
2 5149.980	29.00	33.90	51.98	36.72	47.64	54.00	-6.36	Average
3 5161.000	29.02	33.92	51.98	59.37	70.33	-----	-----	Average



Test Mode: 23; Polarity: Horizontal; Modulation: OFDM; Bandwidth: 20MHz; Channel: High

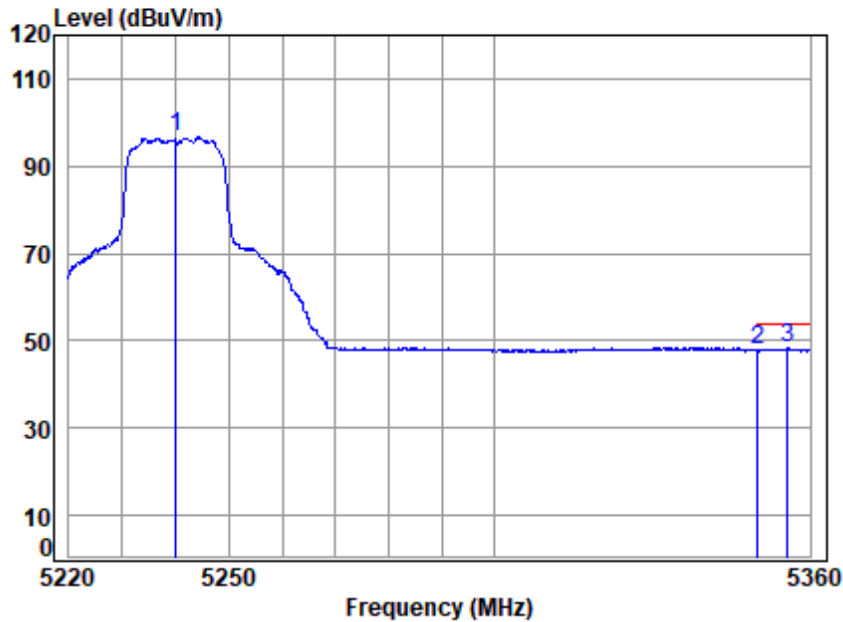


Site : chamber
Condition: 3m HORIZONTAL
Job No : 02140AT
Mode : 5240 Band edge
: 5.1G SDR 20M

		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 p	5240.000	29.12	34.08	51.96	94.73	105.97	68.20	37.77 peak
2	5350.020	29.27	34.40	51.94	47.57	59.30	74.00	-14.70 peak
3	5355.888	29.28	34.42	51.93	48.70	60.47	74.00	-13.53 peak



Test Mode: 23; Polarity: Horizontal; Modulation: OFDM; Bandwidth: 20MHz; Channel: High



Site : chamber
Condition: 3m HORIZONTAL
Job No : 02140AT
Mode : 5240 Band edge
: 5.1G SDR 20M

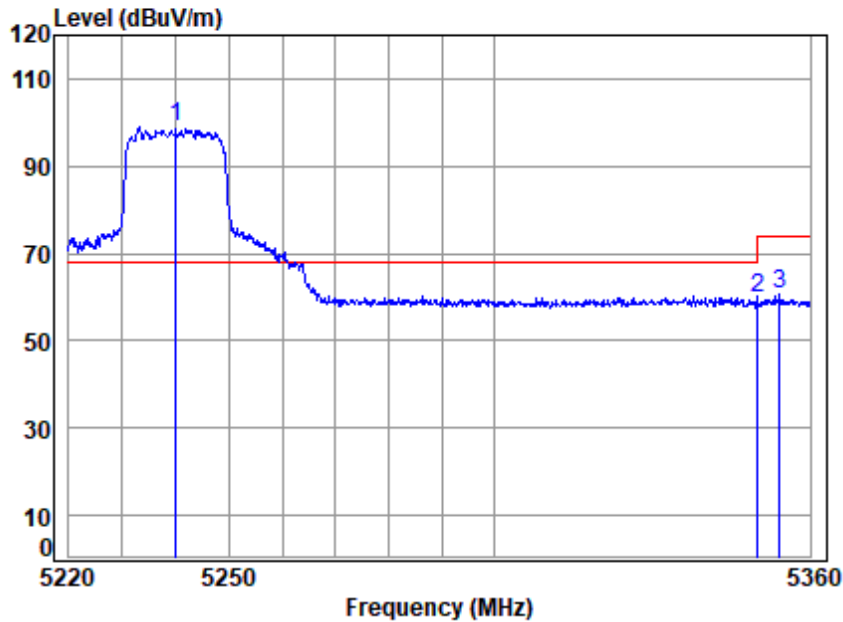
		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5240.000	29.12	34.08	51.96	85.48	96.72	-----	----- Average
2	5350.020	29.27	34.40	51.94	36.14	47.87	54.00	-6.13 Average
3 q	5355.746	29.28	34.42	51.93	36.46	48.23	54.00	-5.77 Average



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Test Mode: 23; Polarity: Vertical; Modulation: OFDM; Bandwidth: 20MHz; Channel: High



Site : chamber
Condition: 3m VERTICAL
Job No : 02140AT
Mode : 5240 Band edge
: 5.1G SDR 20M

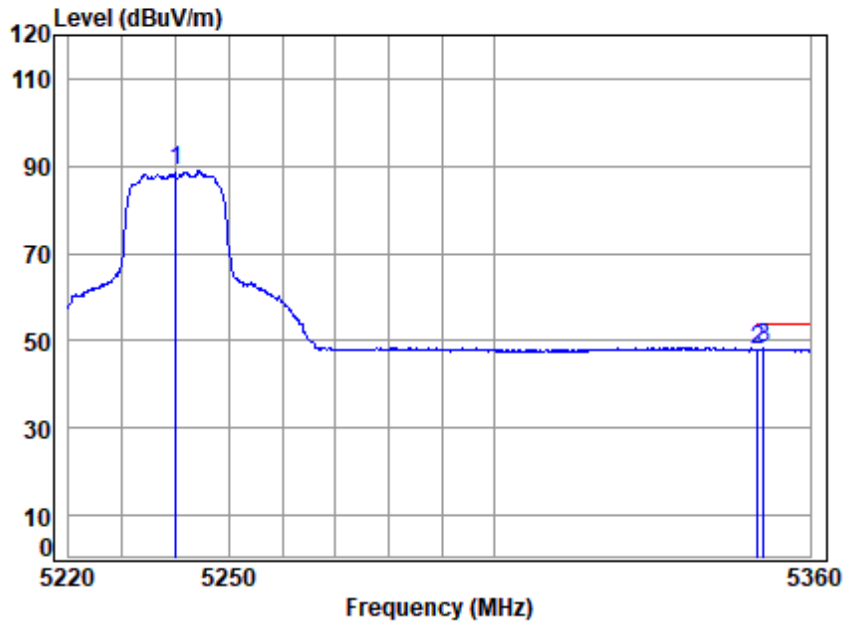
		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 p	5240.000	29.12	34.08	51.96	87.63	98.87	68.20	30.67 Peak
2	5350.020	29.27	34.40	51.94	47.91	59.64	74.00	-14.36 Peak
3	5354.187	29.28	34.42	51.93	48.72	60.49	74.00	-13.51 Peak



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Test Mode: 23; Polarity: Vertical; Modulation: OFDM; Bandwidth: 20MHz; Channel: High



Site : chamber
Condition: 3m VERTICAL
Job No : 02140AT
Mode : 5240 Band edge
: 5.1G SDR 20M

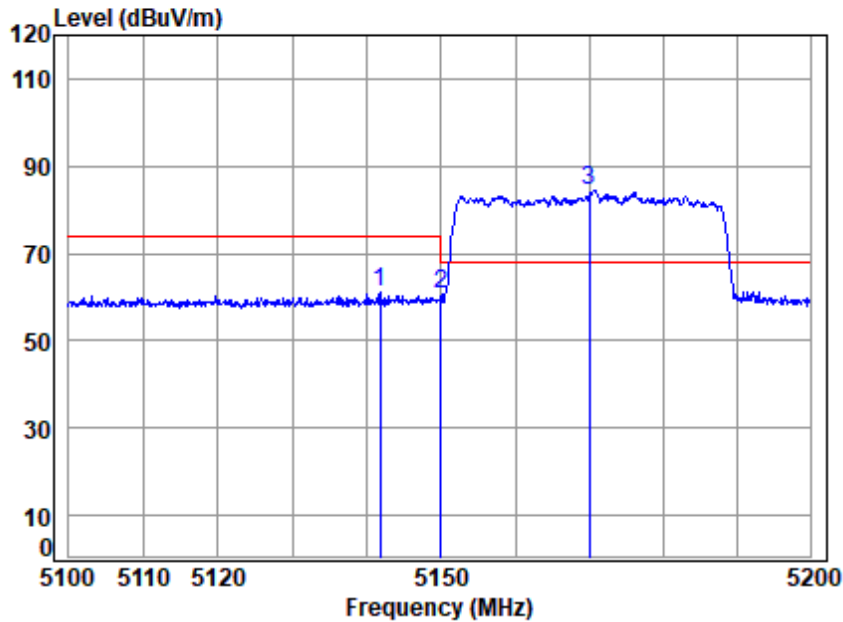
		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5240.000	29.12	34.08	51.96	77.70	88.94	-----	----- Average
2	5350.020	29.27	34.40	51.94	36.16	47.89	54.00	-6.11 Average
3 q	5351.212	29.27	34.40	51.94	36.43	48.16	54.00	-5.84 Average



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Test Mode: 25; Polarity: Horizontal; Modulation: OFDM; Bandwidth: 40MHz; Channel: Low

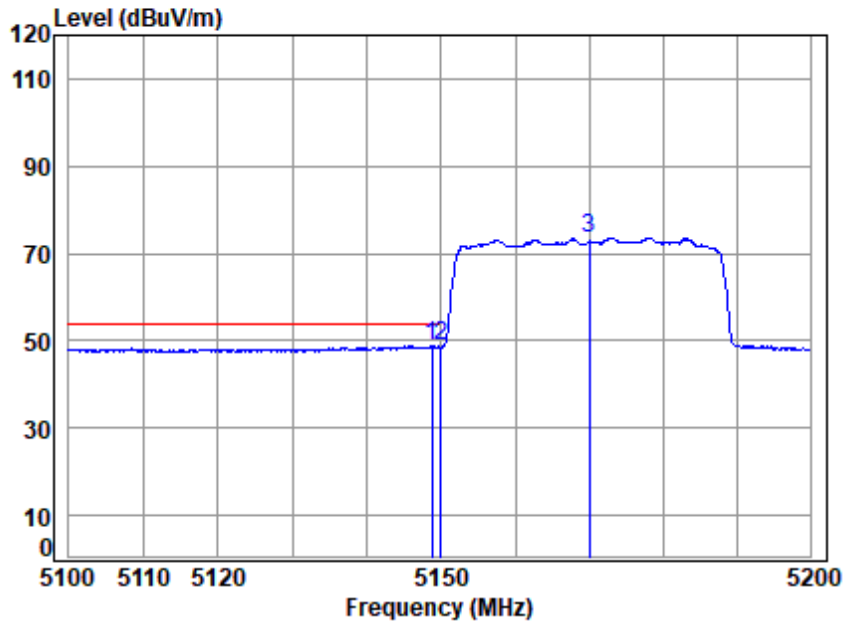


Site : chamber
Condition: 3m HORIZONTAL
Job No : 02140AT
Mode : 5170 Band edge
: 5.1G SDR 40M

		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	5141.764	28.99	33.92	51.98	50.16	61.09	74.00	-12.91	peak
2	5149.980	29.00	33.90	51.98	49.82	60.74	74.00	-13.26	peak
3 p	5170.000	29.03	33.94	51.98	73.46	84.45	68.20	16.25	peak



Test Mode: 25; Polarity: Horizontal; Modulation: OFDM; Bandwidth: 40MHz; Channel: Low

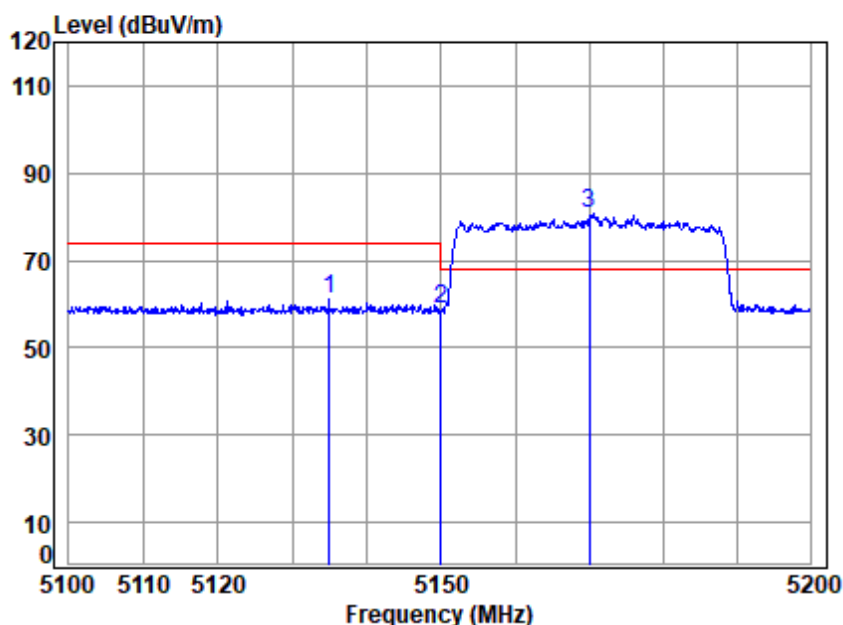


Site : chamber
Condition: 3m HORIZONTAL
Job No : 02140AT
Mode : 5170 Band edge
: 5.1G SDR 40M

		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 5148.757	29.00	33.90	51.98	37.81	48.73	54.00	-5.27	Average
2 5149.980	29.00	33.90	51.98	37.76	48.68	54.00	-5.32	Average
3 5170.000	29.03	33.94	51.98	62.56	73.55	-----	-----	Average



Test Mode: 25; Polarity: Vertical; Modulation: OFDM; Bandwidth: 40MHz; Channel: Low

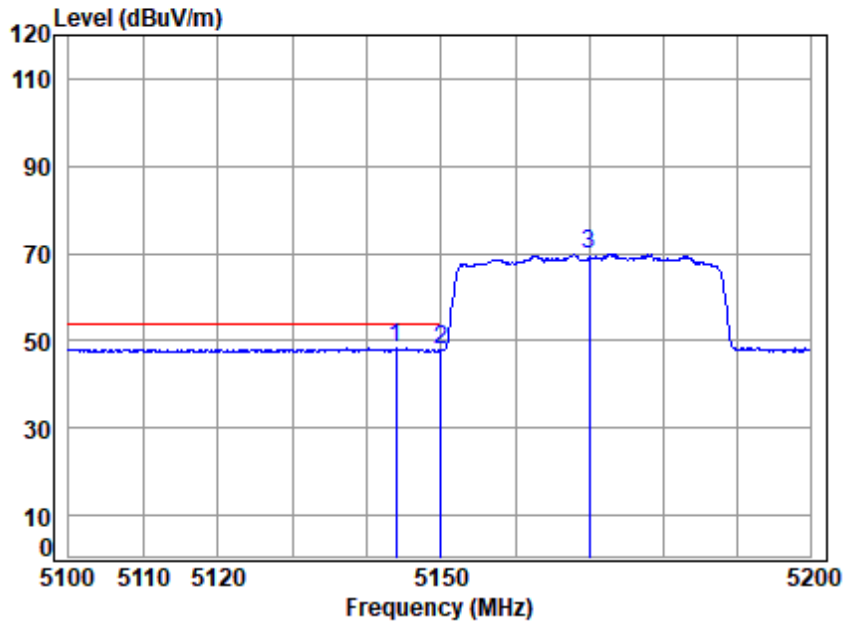


Site : chamber
Condition: 3m VERTICAL
Job No : 02140AT
Mode : 5170 Band edge
: 5.1G SDR 40M

		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	5134.879	28.98	33.93	51.98	50.34	61.27	74.00	-12.73 Peak
2	5149.980	29.00	33.90	51.98	48.12	59.04	74.00	-14.96 Peak
3 p	5170.000	29.03	33.94	51.98	69.76	80.75	68.20	12.55 Peak



Test Mode: 25; Polarity: Vertical; Modulation: OFDM; Bandwidth: 40MHz; Channel: Low

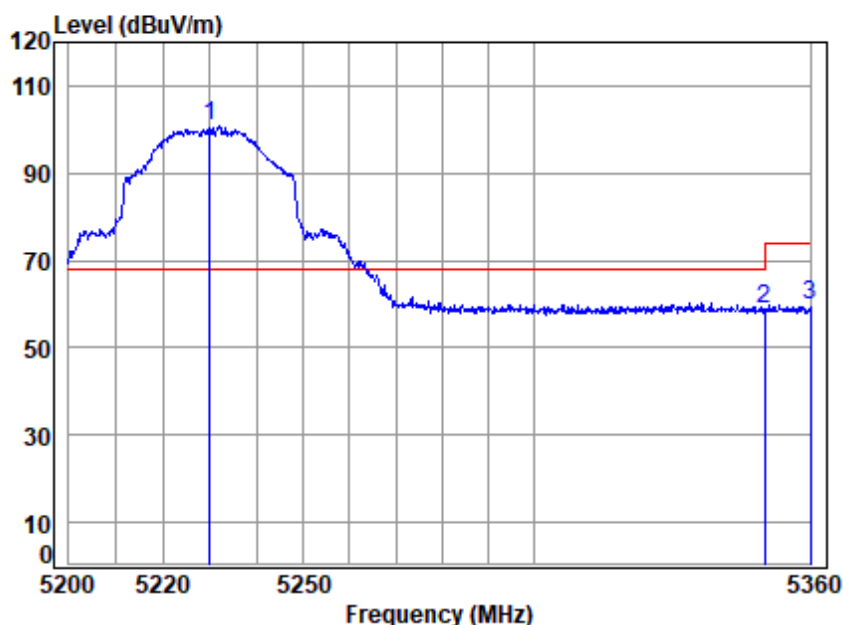


Site : chamber
Condition: 3m VERTICAL
Job No : 02140AT
Mode : 5170 Band edge
: 5.1G SDR 40M

		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 5143.960	28.99	33.91	51.98	37.46	48.38	54.00	-5.62	Average
2 5149.980	29.00	33.90	51.98	37.06	47.98	54.00	-6.02	Average
3 5170.000	29.03	33.94	51.98	58.97	69.96	-----	-----	Average



Test Mode: 25; Polarity: Horizontal; Modulation: OFDM; Bandwidth: 40MHz; Channel: High

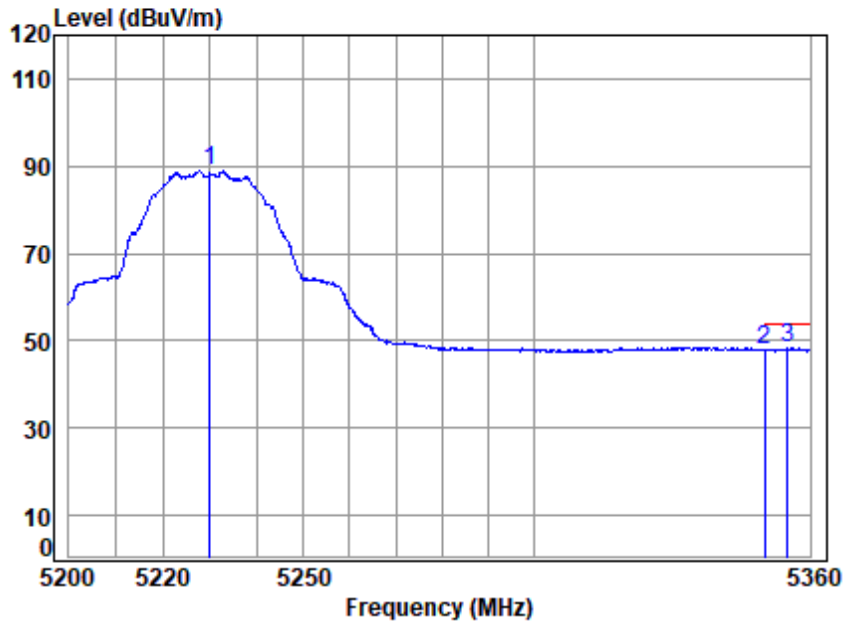


Site : chamber
Condition: 3m HORIZONTAL
Job No : 02140AT
Mode : 5230 Band edge
: 5.1G SDR 40M

		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 p	5230.000	29.11	34.06	51.96	89.43	100.64	68.20	32.44 peak
2	5350.020	29.27	34.40	51.94	46.95	58.68	74.00	-15.32 peak
3	5360.000	29.29	34.44	51.93	47.96	59.76	74.00	-14.24 peak



Test Mode: 25; Polarity: Horizontal; Modulation: OFDM; Bandwidth: 40MHz; Channel: High

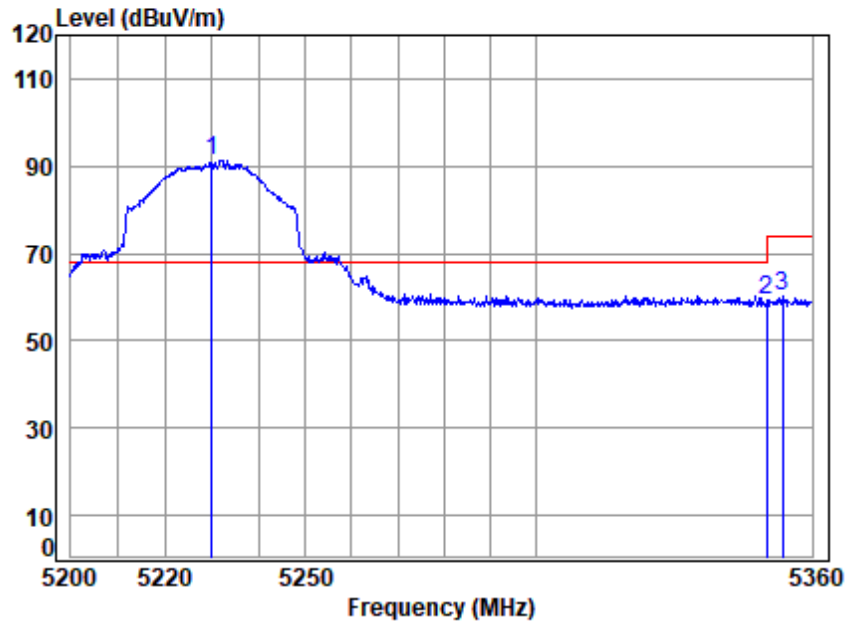


Site : chamber
Condition: 3m HORIZONTAL
Job No : 02140AT
Mode : 5230 Band edge
: 5.1G SDR 40M

		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	29.11	34.06	51.96	77.82	89.03	-----	----- Average
2	5350.020	29.27	34.40	51.94	36.33	48.06	54.00	-5.94 Average
3 q	5355.129	29.28	34.42	51.93	36.51	48.28	54.00	-5.72 Average



Test Mode: 25; Polarity: Vertical; Modulation: OFDM; Bandwidth: 40MHz; Channel: High



Site : chamber
Condition: 3m VERTICAL
Job No : 02140AT
Mode : 5230 Band edge
: 5.1G SDR 40M

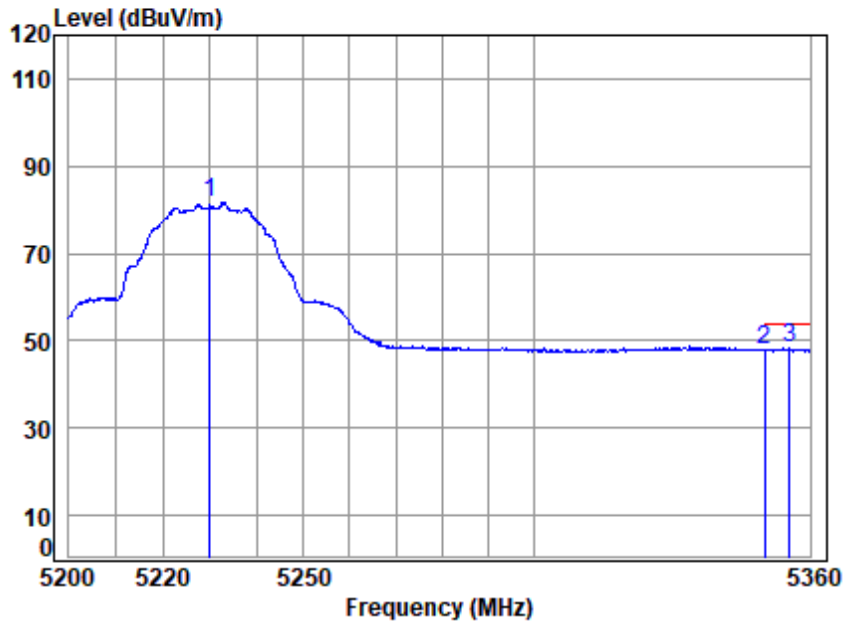
		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 p	5230.000	29.11	34.06	51.96	80.17	91.38	68.20	23.18 Peak
2	5350.020	29.27	34.40	51.94	47.51	59.24	74.00	-14.76 Peak
3	5353.506	29.28	34.41	51.93	48.31	60.07	74.00	-13.93 Peak



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Test Mode: 25; Polarity: Vertical; Modulation: OFDM; Bandwidth: 40MHz; Channel: High

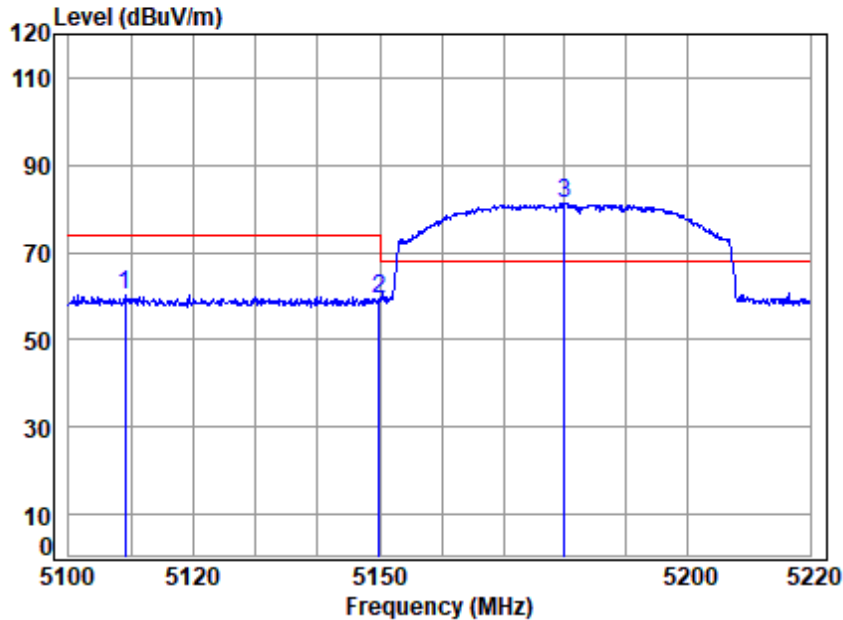


Site : chamber
Condition: 3m VERTICAL
Job No : 02140AT
Mode : 5230 Band edge
: 5.1G SDR 40M

		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	29.11	34.06	51.96	70.30	81.51	-----	----- Average
2	5350.020	29.27	34.40	51.94	36.23	47.96	54.00	-6.04 Average
3 q	5355.454	29.28	34.42	51.93	36.53	48.30	54.00	-5.70 Average



Test Mode: 51; Polarity: Horizontal; Modulation: OFDM; Bandwidth: 60MHz; Channel: Low

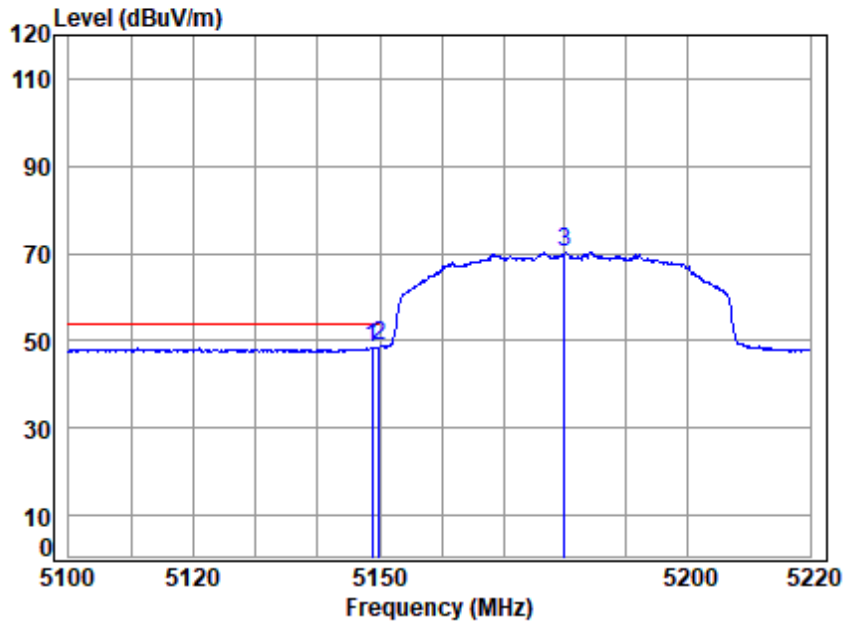


Site : chamber
Condition: 3m HORIZONTAL
Job No : 02140AT
Mode : 5180 Band edge
: 5.1G SDR 60M

		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	5109.022	18.78	33.98	35.33	42.96	60.39	74.00	-13.61	peak
2	5149.980	18.83	33.90	35.31	41.96	59.38	74.00	-14.62	peak
3 p	5180.000	18.88	33.96	35.29	63.72	81.27	68.20	13.07	peak



Test Mode: 51; Polarity: Horizontal; Modulation: OFDM; Bandwidth: 60MHz; Channel: Low

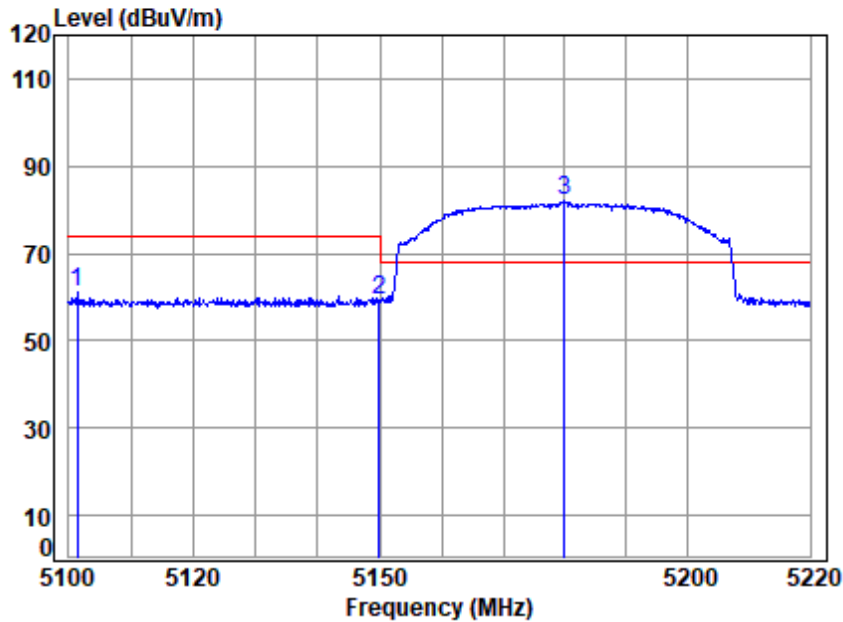


Site : chamber
Condition: 3m HORIZONTAL
Job No : 02140AT
Mode : 5180 Band edge
: 5.1G SDR 60M

		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	5148.743	18.83	33.90	35.31	31.13	48.55	54.00	-5.45 Average
2 q	5149.980	18.83	33.90	35.31	31.35	48.77	54.00	-5.23 Average
3	5180.000	18.88	33.96	35.29	52.72	70.27	-----	----- Average



Test Mode: 51; Polarity: Vertical; Modulation: OFDM; Bandwidth: 60MHz; Channel: Low

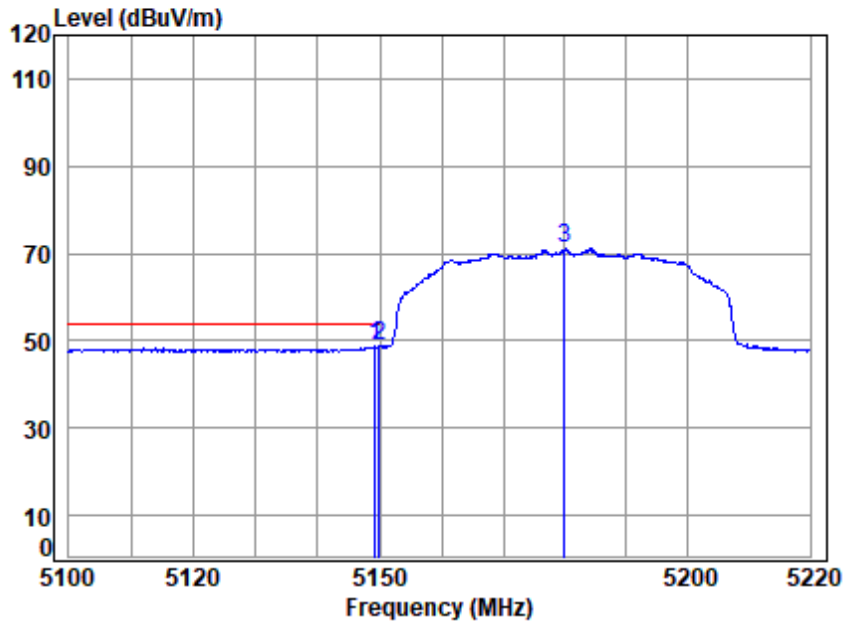


Site : chamber
Condition: 3m VERTICAL
Job No : 02140AT
Mode : 5180 Band edge
: 5.1G SDR 60M

		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	5101.305	18.77	34.00	35.34	43.50	60.93	74.00	-13.07	Peak
2	5149.980	18.83	33.90	35.31	42.07	59.49	74.00	-14.51	Peak
3 p	5180.000	18.88	33.96	35.29	64.60	82.15	68.20	13.95	Peak



Test Mode: 51; Polarity: Vertical; Modulation: OFDM; Bandwidth: 60MHz; Channel: Low

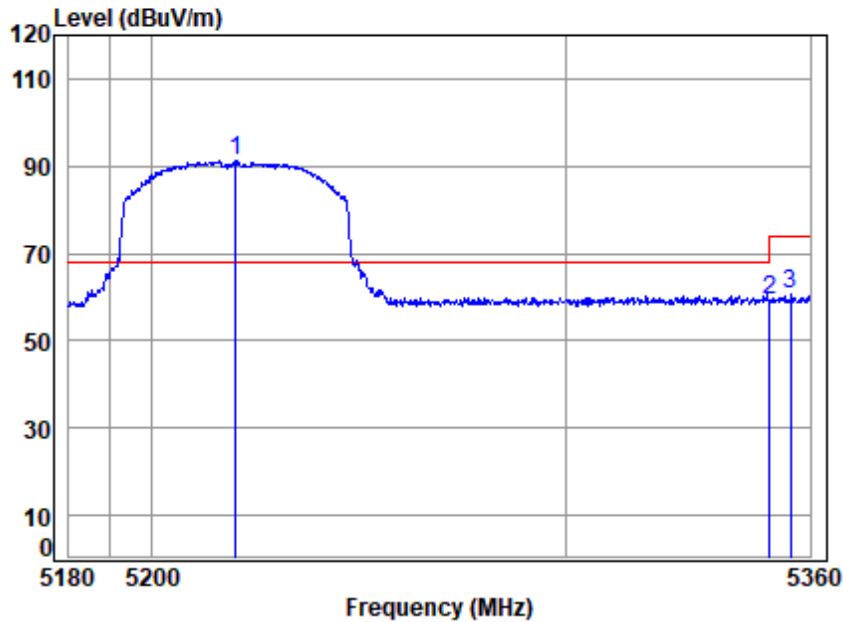


Site : chamber
Condition: 3m VERTICAL
Job No : 02140AT
Mode : 5180 Band edge
: 5.1G SDR 60M

		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	5149.222	18.83	33.90	35.31	31.24	48.66	54.00	-5.34 Average
2	5149.980	18.83	33.90	35.31	31.21	48.63	54.00	-5.37 Average
3	5180.000	18.88	33.96	35.29	53.59	71.14	-----	----- Average



Test Mode: 51; Polarity: Horizontal; Modulation: OFDM; Bandwidth: 60MHz; Channel: High

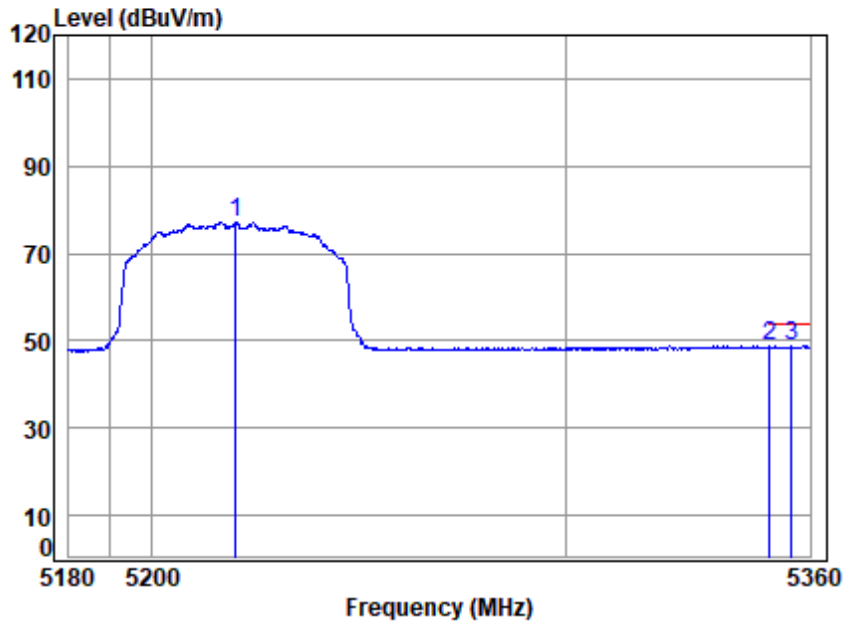


Site : chamber
Condition: 3m HORIZONTAL
Job No : 02140AT
Mode : 5220 Band edge
: 5.1G SDR 60M

		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 p 5220.000	18.93	34.04	35.27	73.41	91.11	68.20	22.91	peak
2 5350.020	19.11	34.40	35.21	41.11	59.41	74.00	-14.59	peak
3 5355.242	19.12	34.42	35.21	42.32	60.65	74.00	-13.35	peak



Test Mode: 51; Polarity: Horizontal; Modulation: OFDM; Bandwidth: 60MHz; Channel: High

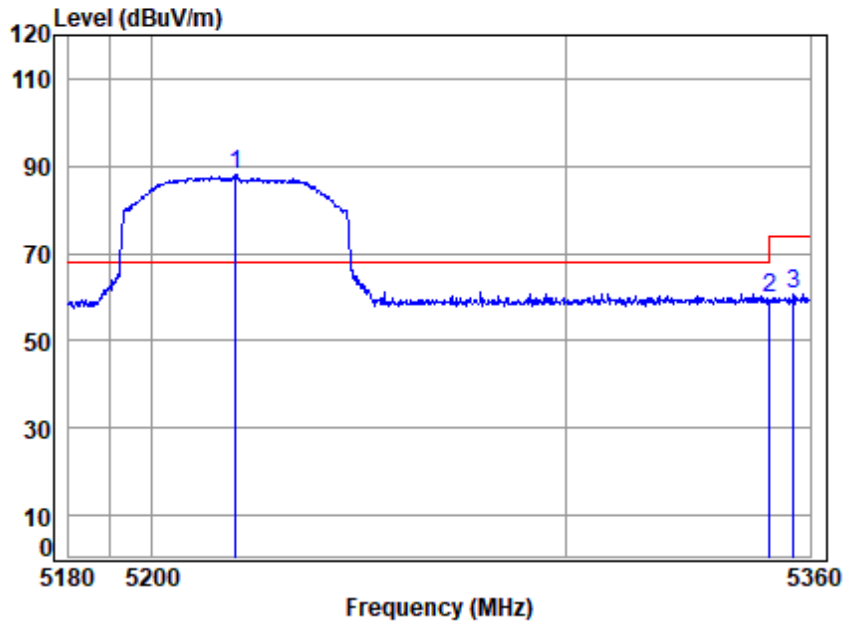


Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 02140AT
 Mode : 5220 Band edge
 : 5.1G SDR 60M

		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	5220.000	18.93	34.04	35.27	59.38	77.08	-----	Average
2	5350.020	19.11	34.40	35.21	30.32	48.62	54.00	-5.38 Average
3 q	5355.425	19.12	34.42	35.21	30.44	48.77	54.00	-5.23 Average



Test Mode: 51; Polarity: Vertical; Modulation: OFDM; Bandwidth: 60MHz; Channel: High



Site : chamber
Condition: 3m VERTICAL
Job No : 02140AT
Mode : 5220 Band edge
: 5.1G SDR 60M

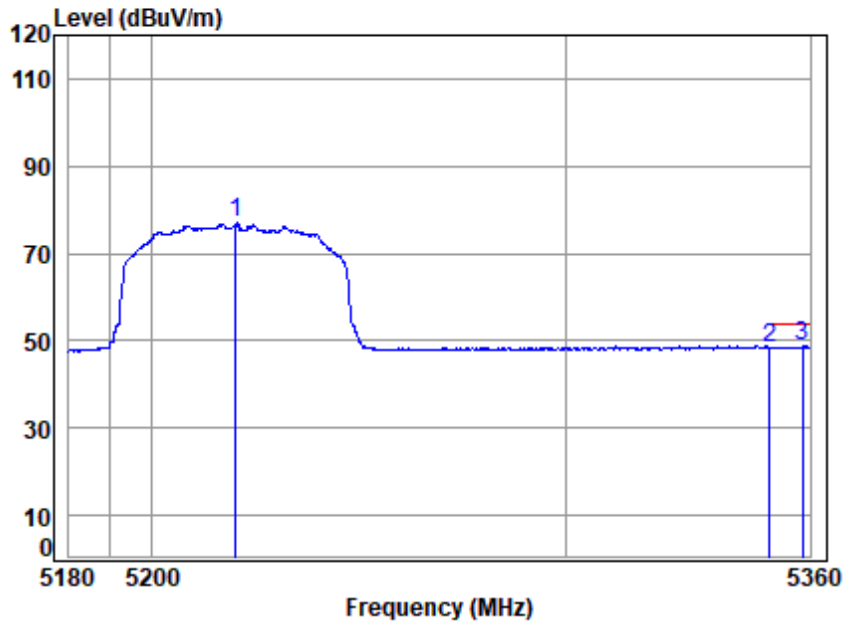
		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 p	5220.000	18.93	34.04	35.27	70.24	87.94	68.20	19.74 Peak
2	5350.020	19.11	34.40	35.21	41.25	59.55	74.00	-14.45 Peak
3	5355.974	19.12	34.42	35.21	42.37	60.70	74.00	-13.30 Peak



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Test Mode: 51; Polarity: Vertical; Modulation: OFDM; Bandwidth: 60MHz; Channel: High

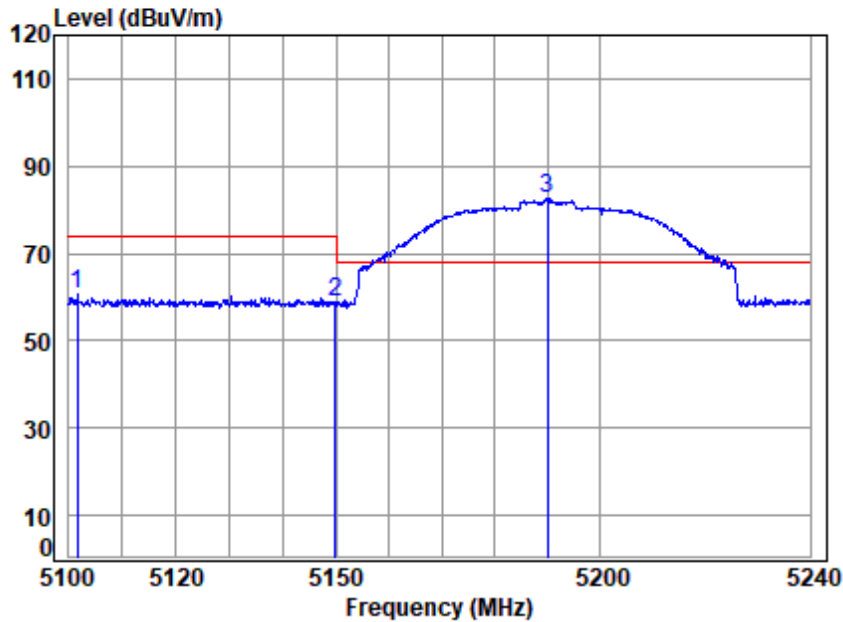


Site : chamber
Condition: 3m VERTICAL
Job No : 02140AT
Mode : 5220 Band edge
: 5.1G SDR 60M

		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	5220.000	18.93	34.04	35.27	59.19	76.89	-----	----- Average
2	5350.020	19.11	34.40	35.21	30.24	48.54	54.00	-5.46 Average
3 q	5358.169	19.12	34.43	35.20	30.37	48.72	54.00	-5.28 Average



Test Mode: 53; Polarity: Horizontal; Modulation: OFDM; Bandwidth: 80MHz; Channel: Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 02140AT
Mode : 5190 Band edge
: 5.1G SDR 80M

		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	5101.520	18.77	34.00	35.34	43.03	60.46	74.00	-13.54 peak
2	5149.980	18.83	33.90	35.31	41.29	58.71	74.00	-15.29 peak
3 p	5190.000	18.89	33.98	35.29	64.94	82.52	68.20	14.32 peak



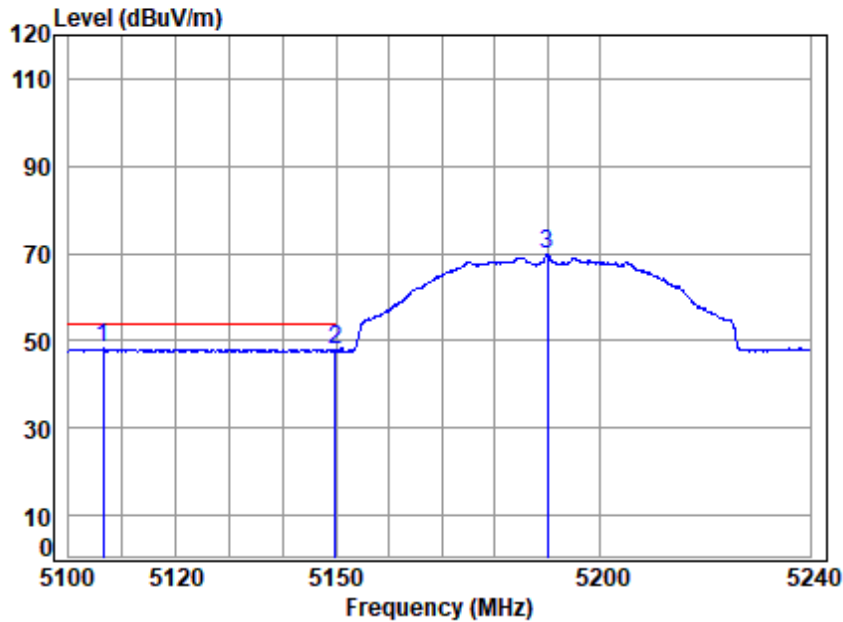
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Test Mode: 53; Polarity: Horizontal; Modulation: OFDM; Bandwidth: 80MHz; Channel: Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 02140AT
Mode : 5190 Band edge
: 5.1G 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 q 5106.357	18.77	33.99	35.33	30.75	48.18	54.00	-5.82	Average
2 5149.980	18.83	33.90	35.31	30.55	47.97	54.00	-6.03	Average
3 5190.000	18.89	33.98	35.29	52.03	69.61	-----	-----	Average



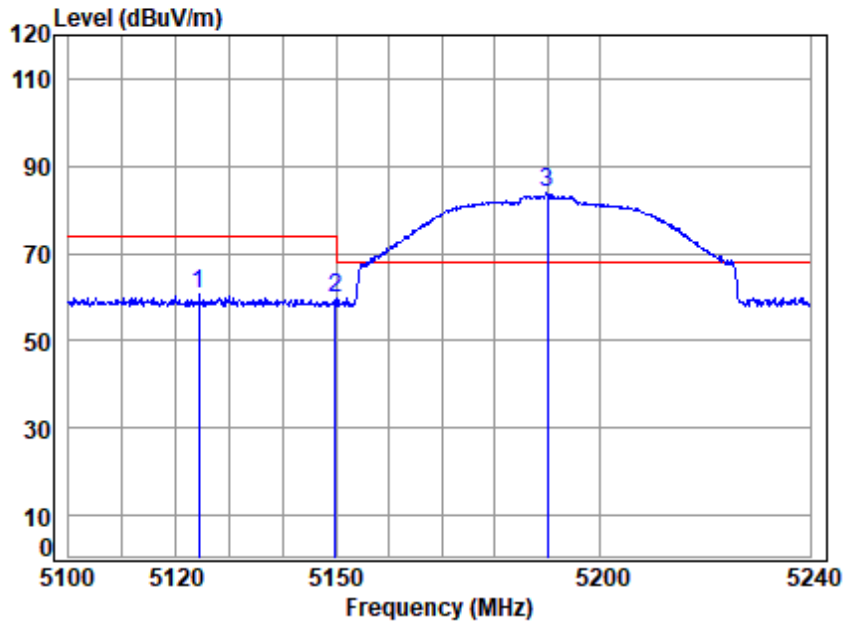
SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch Testing & Calibration Laboratory

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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: 53; Polarity: Vertical; Modulation: OFDM; Bandwidth: 80MHz; Channel: Low



Site : chamber
Condition: 3m VERTICAL
Job No : 02140AT
Mode : 5190 Band edge
: 5.1G SDR 80M

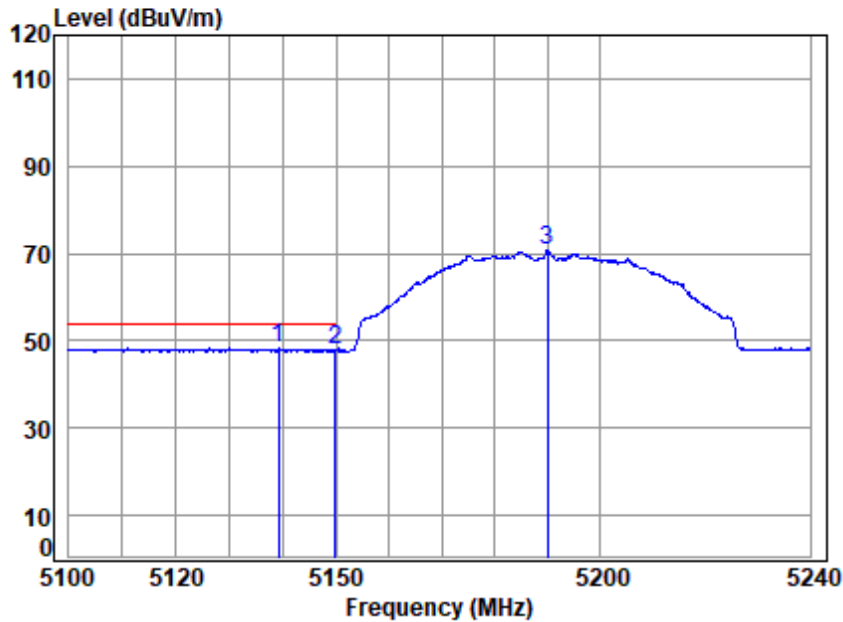
		Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 5124.366	18.80	33.95	35.32	43.29	60.72	74.00	-13.28	Peak
2 5149.980	18.83	33.90	35.31	42.19	59.61	74.00	-14.39	Peak
3 p 5190.000	18.89	33.98	35.29	66.17	83.75	68.20	15.55	Peak



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Test Mode: 53; Polarity: Vertical; Modulation: OFDM; Bandwidth: 80MHz; Channel: Low

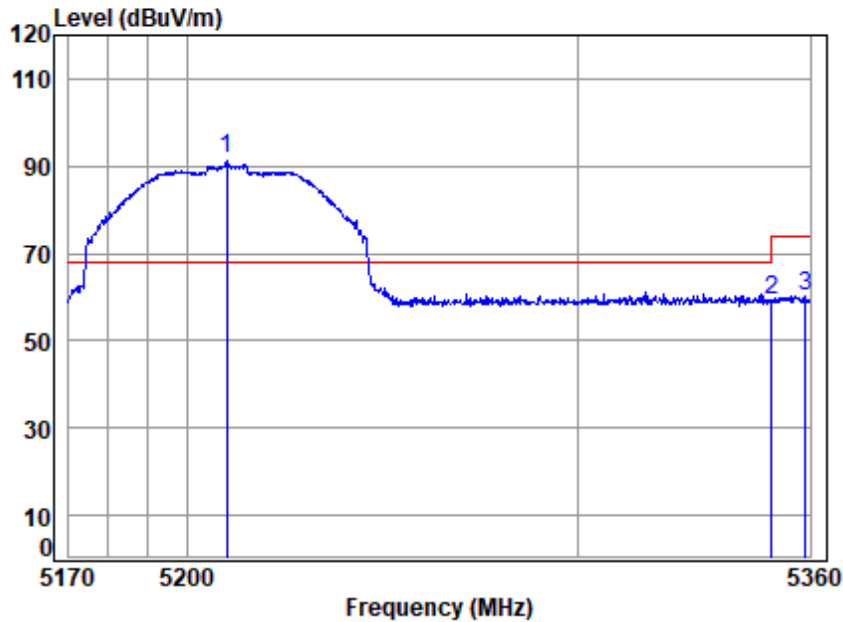


Site : chamber
Condition: 3m VERTICAL
Job No : 02140AT
Mode : 5190 Band edge
: 5.1G SDR 80M

		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 q 5139.236	18.82	33.92	35.32	30.78	48.20	54.00	-5.80	Average
2 5149.980	18.83	33.90	35.31	30.37	47.79	54.00	-6.21	Average
3 5190.000	18.89	33.98	35.29	53.12	70.70	-----	-----	Average



Test Mode: 53; Polarity: Horizontal; Modulation: OFDM; Bandwidth: 80MHz; Channel: High

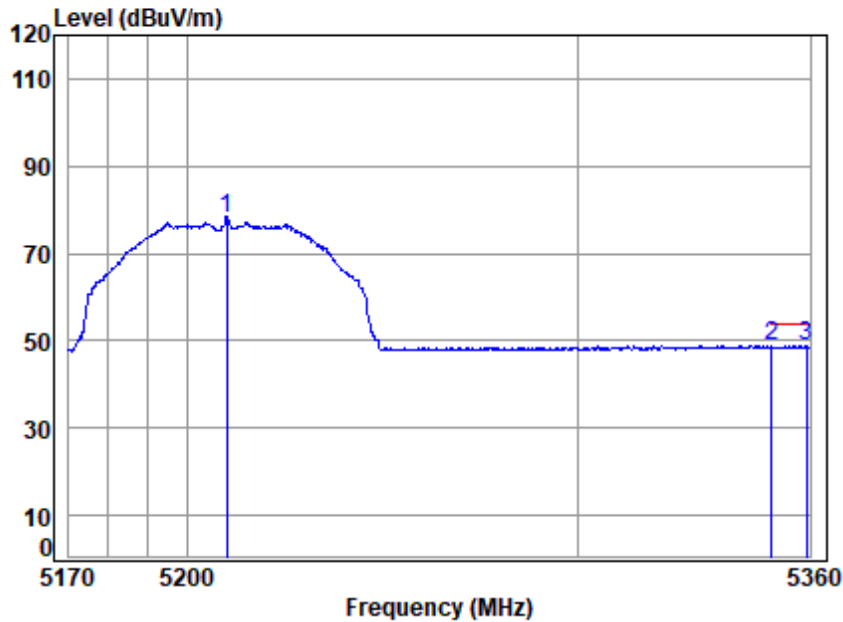


Site : chamber
Condition: 3m HORIZONTAL
Job No : 02140AT
Mode : 5210 Band edge
: 5.1G SDR 80M

		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 p 5210.000	18.92	34.02	35.28	74.01	91.67	68.20	23.47	peak
2 5350.020	19.11	34.40	35.21	41.21	59.51	74.00	-14.49	peak
3 5358.839	19.12	34.44	35.20	42.06	60.42	74.00	-13.58	peak



Test Mode: 53; Polarity: Horizontal; Modulation: OFDM; Bandwidth: 80MHz; Channel: High

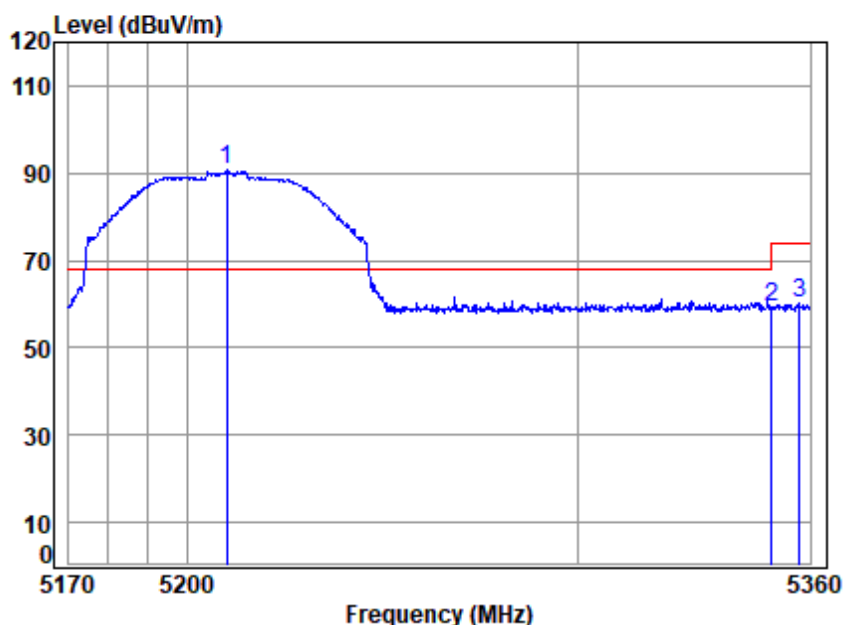


Site : chamber
Condition: 3m HORIZONTAL
Job No : 02140AT
Mode : 5210 Band edge
: 5.1G SDR 80M

		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 5210.000	18.92	34.02	35.28	60.55	78.21	-----	-----	Average
2 5350.020	19.11	34.40	35.21	30.34	48.64	54.00	-5.36	Average
3 q 5359.033	19.12	34.44	35.20	30.48	48.84	54.00	-5.16	Average



Test Mode: 53; Polarity: Vertical; Modulation: OFDM; Bandwidth: 80MHz; Channel: High



Site : chamber
Condition: 3m VERTICAL
Job No : 02140AT
Mode : 5210 Band edge
: 5.1G SDR 80M

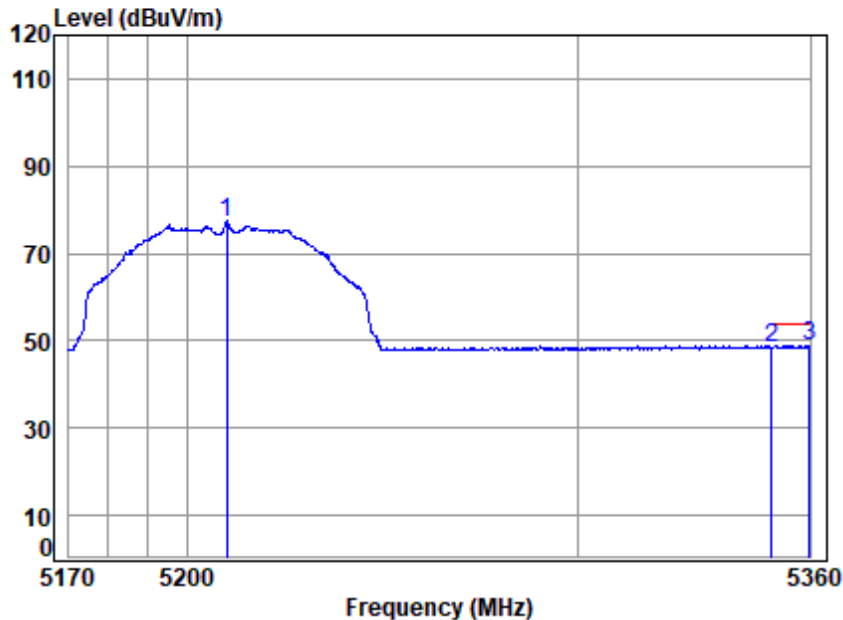
		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 p	5210.000	18.92	34.02	35.28	73.05	90.71	68.20	22.51 Peak
2	5350.020	19.11	34.40	35.21	40.86	59.16	74.00	-14.84 Peak
3	5357.292	19.12	34.43	35.20	41.80	60.15	74.00	-13.85 Peak



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Test Mode: 53; Polarity: Vertical; Modulation: OFDM; Bandwidth: 80MHz; Channel: High

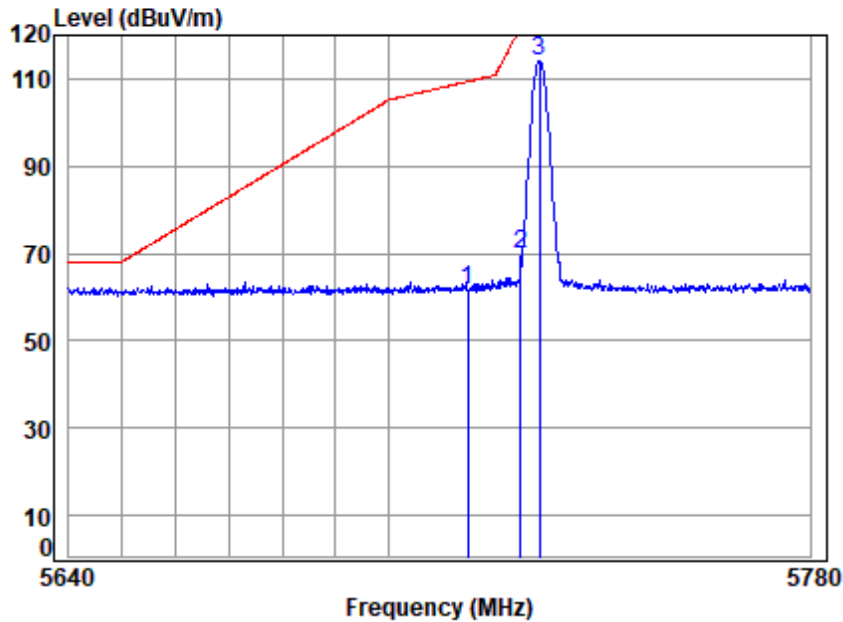


Site : chamber
Condition: 3m VERTICAL
Job No : 02140AT
Mode : 5210 Band edge
: 5.1G SDR 80M

		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	5210.000	18.92	34.02	35.28	59.62	77.28	-----	----- Average
2	5350.020	19.11	34.40	35.21	30.29	48.59	54.00	-5.41 Average
3 q	5359.807	19.12	34.44	35.20	30.61	48.97	54.00	-5.03 Average



Test Mode: 27; Polarity: Horizontal; Modulation: OFDM; Bandwidth: 1.4MHz; Channel: Low

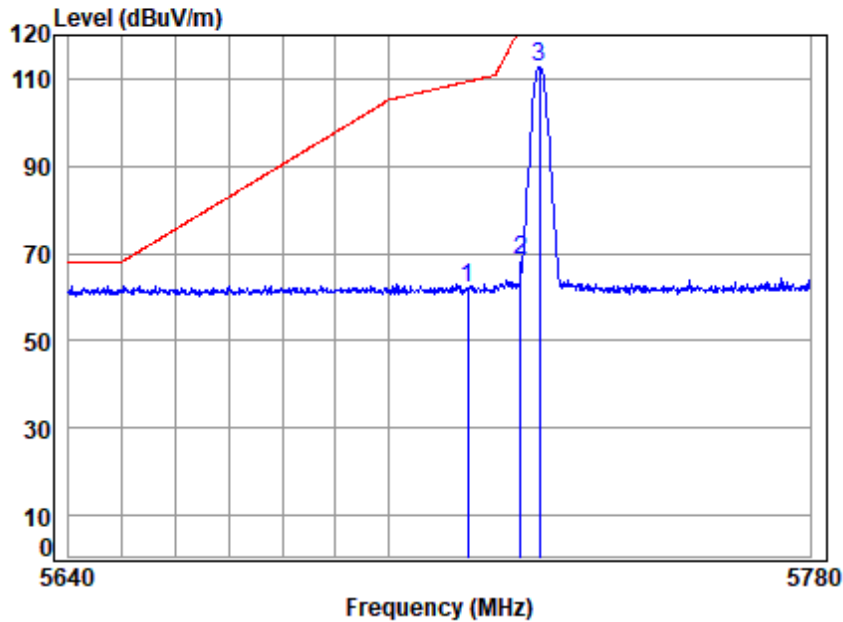


Site : chamber
Condition: 3m HORIZONTAL
Job No : 02140AT/02141AT
Mode : 5728.5 Band edge
: 5.8G SDR 1.4M

		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 p 5715.000	19.45	34.27	35.03	43.00	61.69	109.40	-47.71	peak
2 5725.000	19.46	34.25	35.03	51.20	69.88	122.20	-52.32	peak
3 5728.500	19.46	34.24	35.02	95.33	114.01	-----	-----	peak



Test Mode: 27; Polarity: Vertical; Modulation: OFDM; Bandwidth: 1.4MHz; Channel: Low

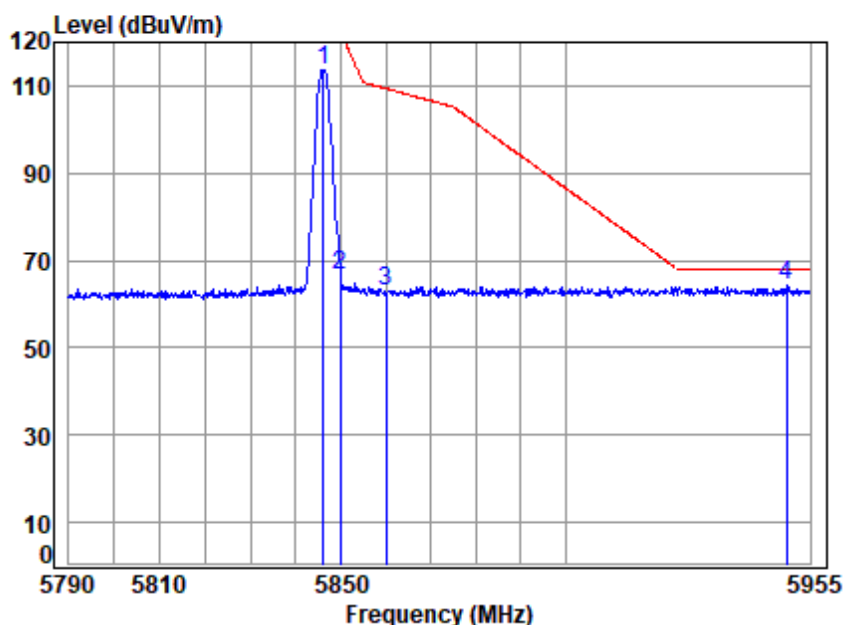


Site : chamber
Condition: 3m VERTICAL
Job No : 02140AT/02141AT
Mode : 5728.5 Band edge
: 5.8G SDR 1.4M

		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 p 5715.000	19.45	34.27	35.03	43.19	61.88	109.40	-47.52	peak
2 5725.000	19.46	34.25	35.03	49.89	68.57	122.20	-53.63	peak
3 5728.500	19.46	34.24	35.02	93.93	112.61	-----	-----	peak



Test Mode: 27; Polarity: Horizontal; Modulation: OFDM; Bandwidth: 1.4MHz; Channel: High

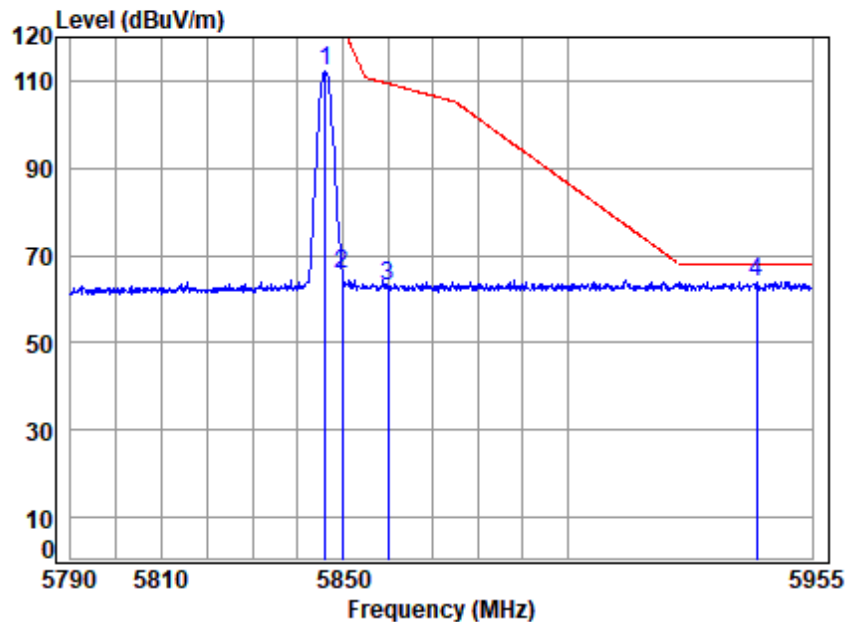


Site : chamber
Condition: 3m HORIZONTAL
Job No : 02140AT/02141AT
Mode : 5846.12 Band edge
: 5.8G SDR 1.4M

		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	5846.120	19.53	34.39	34.97	94.77	113.72	-----	-----	peak
2	5850.000	19.54	34.40	34.97	47.80	66.77	122.20	-55.43	peak
3	5860.000	19.54	34.44	34.96	44.12	63.14	109.40	-46.26	peak
4 p	5949.648	19.60	34.70	34.92	44.83	64.21	68.20	-3.99	peak



Test Mode: 27; Polarity: Vertical; Modulation: OFDM; Bandwidth: 1.4MHz; Channel: High

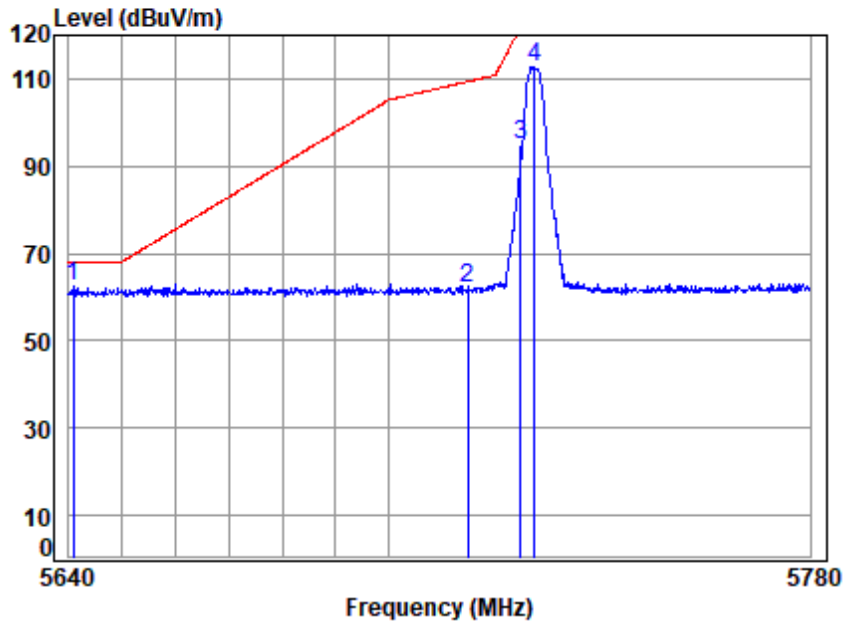


Site : chamber
Condition: 3m VERTICAL
Job No : 02140AT/02141AT
Mode : 5846.12 Band edge
: 5.8G SDR 1.4M

		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	5846.120	19.53	34.39	34.97	93.10	112.05	-----	-----	peak
2	5850.000	19.54	34.40	34.97	46.57	65.54	122.20	-56.66	peak
3	5860.000	19.54	34.44	34.96	43.95	62.97	109.40	-46.43	peak
4 p	5942.463	19.59	34.68	34.93	44.73	64.07	68.20	-4.13	peak



Test Mode: 29; Polarity: Horizontal; Modulation: OFDM; Bandwidth: 3MHz; Channel: Low

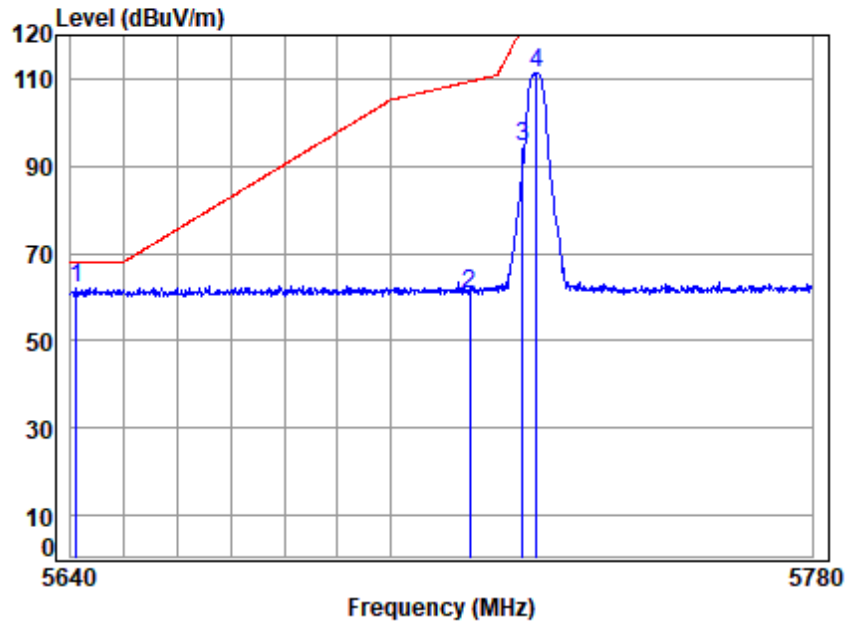


Site : chamber
Condition: 3m HORIZONTAL
Job No : 02140AT/02141AT
Mode : 5727.5 Band edge
: 5.8G SDR 3M

		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 p	5640.830	19.40	34.46	35.07	43.50	62.29	68.20	-5.91 peak
2	5715.000	19.45	34.27	35.03	43.32	62.01	109.40	-47.39 peak
3	5725.000	19.46	34.25	35.03	76.02	94.70	122.20	-27.50 peak
4	5727.500	19.46	34.24	35.02	93.86	112.54	-----	----- peak



Test Mode: 29; Polarity: Vertical; Modulation: OFDM; Bandwidth: 3MHz; Channel: Low

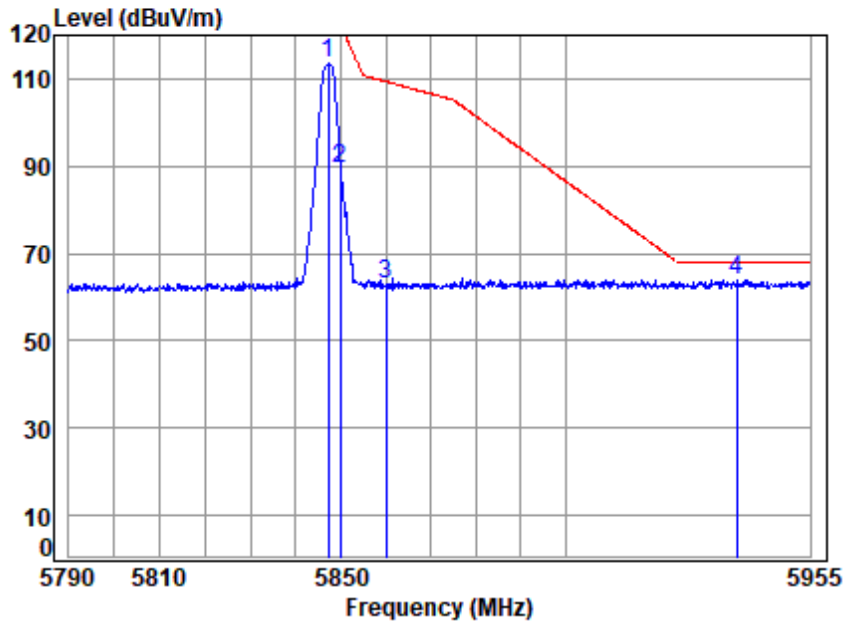


Site : chamber
Condition: 3m VERTICAL
Job No : 02140AT/02141AT
Mode : 5727.5 Band edge
: 5.8G SDR 3M

		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 p 5641.106	19.40	34.45	35.07	43.48	62.26	68.20	-5.94	peak
2 5715.000	19.45	34.27	35.03	42.07	60.76	109.40	-48.64	peak
3 5725.000	19.46	34.25	35.03	75.94	94.62	122.20	-27.58	peak
4 5727.500	19.46	34.24	35.02	92.81	111.49	-----	-----	peak



Test Mode: 29; Polarity: Horizontal; Modulation: OFDM; Bandwidth: 3MHz; Channel: High

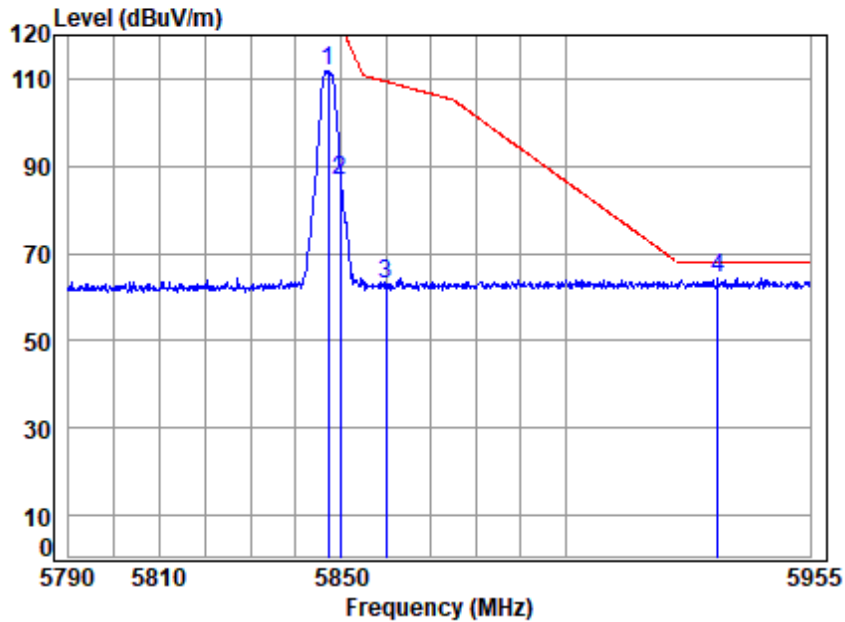


Site : chamber
Condition: 3m HORIZONTAL
Job No : 02140AT/02141AT
Mode : 5847.2 Band edge
: 5.8G SDR 3M

		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	19.54	34.39	34.97	94.44	113.40	-----	-----	peak
2	5850.000	19.54	34.40	34.97	70.23	89.20	122.20	-33.00	peak
3	5860.000	19.54	34.44	34.96	43.85	62.87	109.40	-46.53	peak
4 p	5938.458	19.59	34.68	34.93	44.61	63.95	68.20	-4.25	peak



Test Mode: 29; Polarity: Vertical; Modulation: OFDM; Bandwidth: 3MHz; Channel: High

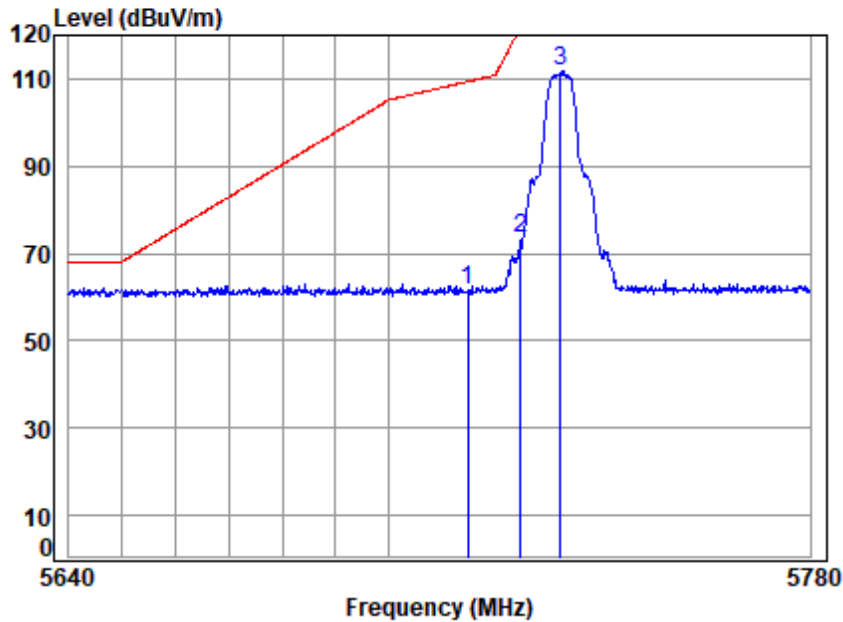


Site : chamber
Condition: 3m VERTICAL
Job No : 02140AT/02141AT
Mode : 5847.2 Band edge
: 5.8G SDR 3M

		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	19.54	34.39	34.97	92.88	111.84	-----	-----	peak
2	5850.000	19.54	34.40	34.97	67.67	86.64	122.20	-35.56	peak
3	5860.000	19.54	34.44	34.96	44.08	63.10	109.40	-46.30	peak
4 p	5934.121	19.59	34.67	34.93	45.17	64.50	68.20	-3.70	peak



Test Mode: 31; Polarity: Horizontal; Modulation: OFDM; Bandwidth: 5MHz; Channel: Low

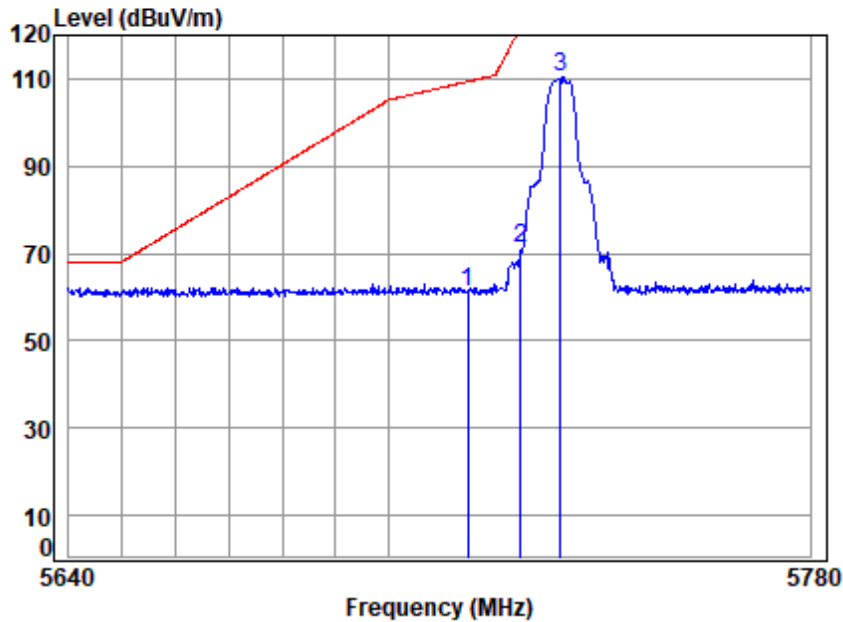


Site : chamber
Condition: 3m HORIZONTAL
Job No : 02140AT/02141AT
Mode : 5732.5 Band edge
: 5.8G SDR 5M

		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 p 5715.000	19.45	34.27	35.03	42.80	61.49	109.40	-47.91	peak
2 5725.000	19.46	34.25	35.03	54.56	73.24	122.20	-48.96	peak
3 5732.500	19.46	34.24	35.02	93.24	111.92	-----	-----	peak



Test Mode: 31; Polarity: Vertical; Modulation: OFDM; Bandwidth: 5MHz; Channel: Low

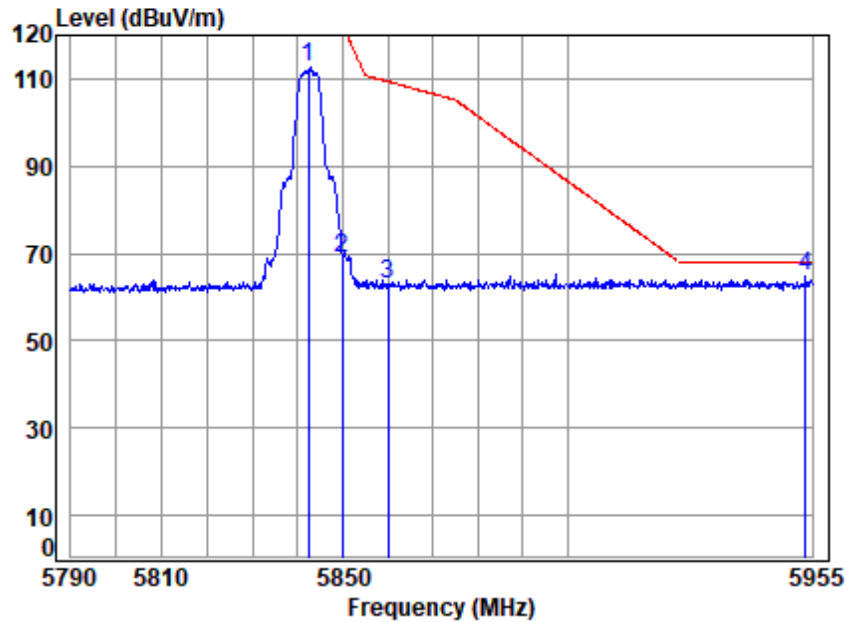


Site : chamber
Condition: 3m VERTICAL
Job No : 02140AT/02141AT
Mode : 5732.5 Band edge
: 5.8G SDR 5M

		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 p 5715.000	19.45	34.27	35.03	42.42	61.11	109.40	-48.29	peak
2 5725.000	19.46	34.25	35.03	52.37	71.05	122.20	-51.15	peak
3 5732.500	19.46	34.24	35.02	91.92	110.60	-----	-----	peak



Test Mode: 31; Polarity: Horizontal; Modulation: OFDM; Bandwidth: 5MHz; Channel: High

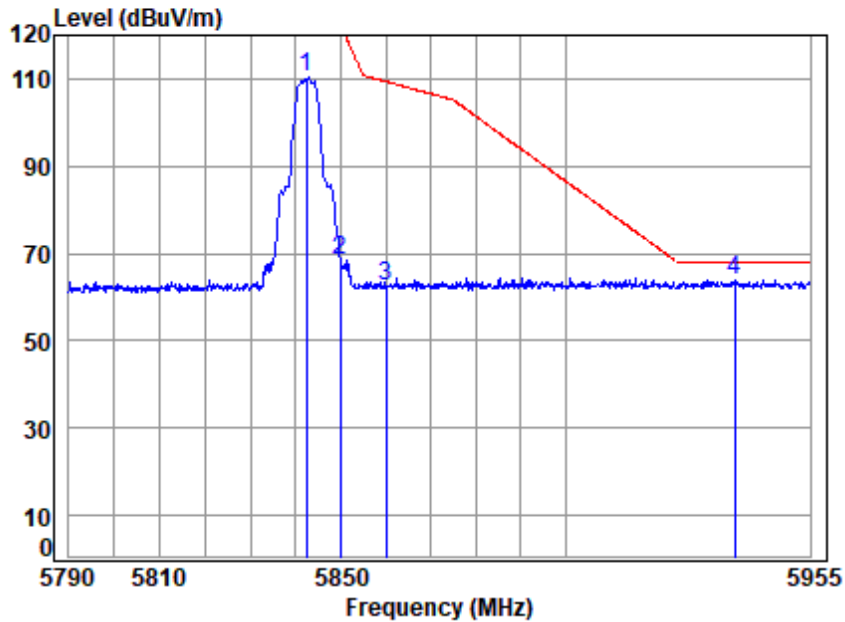


Site : chamber
Condition: 3m HORIZONTAL
Job No : 02140AT/02141AT
Mode : 5842.5 Band edge
: 5.8G SDR 5M

		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	19.53	34.39	34.97	93.68	112.63	-----	-----	peak
2	5850.000	19.54	34.40	34.97	49.92	68.89	122.20	-53.31	peak
3	5860.000	19.54	34.44	34.96	43.91	62.93	109.40	-46.47	peak
4 p	5953.494	19.60	34.71	34.92	45.19	64.58	68.20	-3.62	peak



Test Mode: 31; Polarity: Vertical; Modulation: OFDM; Bandwidth: 5MHz; Channel: High

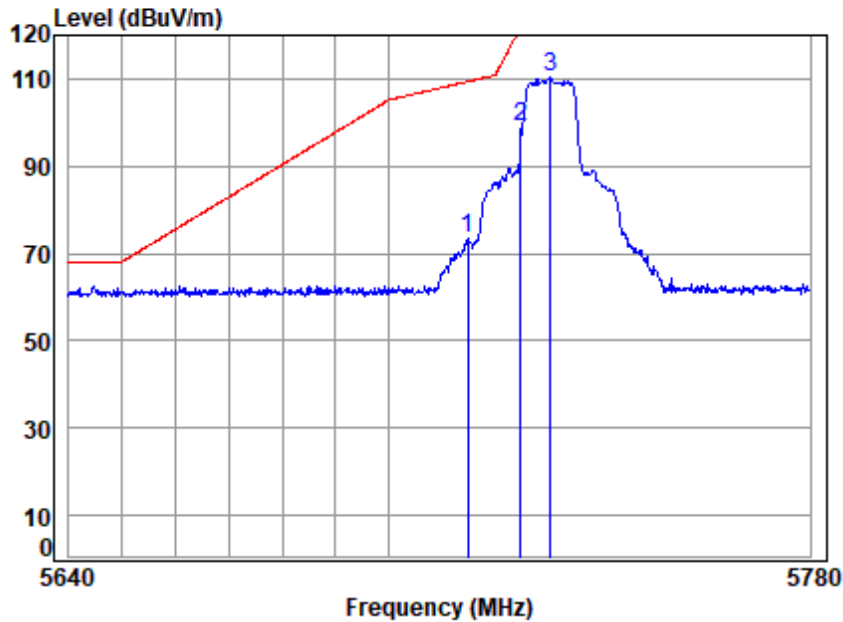


Site : chamber
Condition: 3m VERTICAL
Job No : 02140AT/02141AT
Mode : 5842.5 Band edge
: 5.8G SDR 5M

		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	19.53	34.39	34.97	91.56	110.51	-----	----- peak
2	5850.000	19.54	34.40	34.97	49.63	68.60	122.20	-53.60 peak
3	5860.000	19.54	34.44	34.96	43.56	62.58	109.40	-46.82 peak
4 p	5937.957	19.59	34.68	34.93	44.63	63.97	68.20	-4.23 peak



Test Mode: 33; Polarity: Horizontal; Modulation: OFDM; Bandwidth: 10MHz; Channel: Low

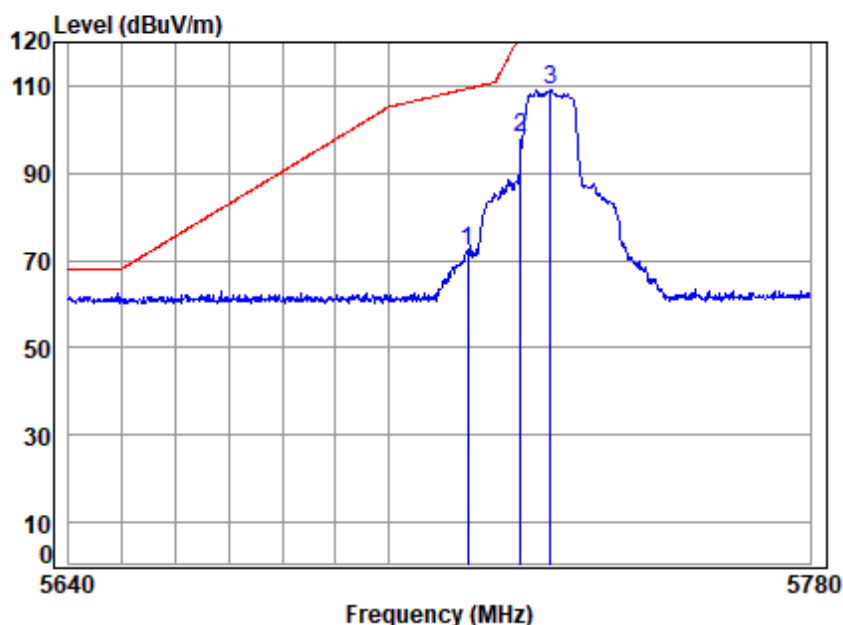


Site : chamber
Condition: 3m HORIZONTAL
Job No : 02140AT/02141AT
Mode : 5730.5 Band edge
: 5.8G SDR 10M

		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	5715.000	19.45	34.27	35.03	54.69	73.38	109.40	-36.02 peak
2 p	5725.000	19.46	34.25	35.03	80.41	99.09	122.20	-23.11 peak
3	5730.500	19.46	34.24	35.02	91.52	110.20	-----	----- peak



Test Mode: 33; Polarity: Vertical; Modulation: OFDM; Bandwidth: 10MHz; Channel: Low

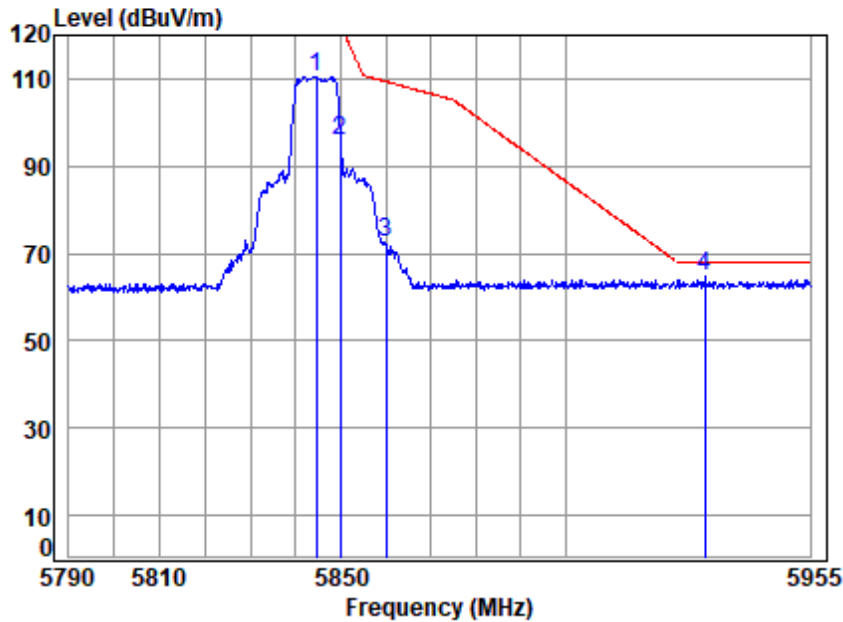


Site : chamber
Condition: 3m VERTICAL
Job No : 02140AT/02141AT
Mode : 5730.5 Band edge
: 5.8G SDR 10M

		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	5715.000	19.45	34.27	35.03	53.30	71.99	109.40	-37.41 peak
2 p	5725.000	19.46	34.25	35.03	79.60	98.28	122.20	-23.92 peak
3	5730.500	19.46	34.24	35.02	90.25	108.93	-----	----- peak



Test Mode: 33; Polarity: Horizontal; Modulation: OFDM; Bandwidth: 10MHz; Channel: High

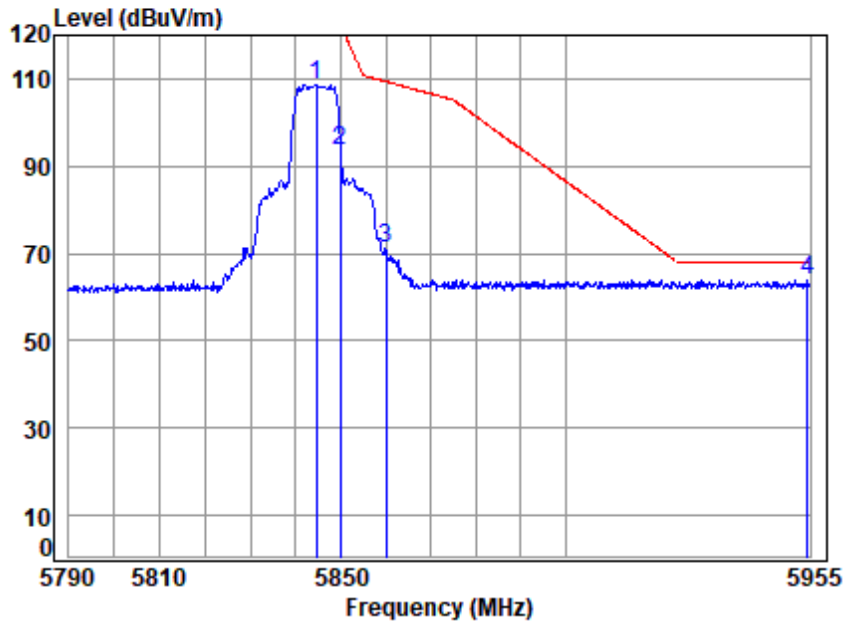


Site : chamber
Condition: 3m HORIZONTAL
Job No : 02140AT/02141AT
Mode : 5844.5 Band edge
: 5.8G SDR 10M

		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	5844.500	19.53	34.39	34.97	91.63	110.58	-----	----- peak
2	5850.000	19.54	34.40	34.97	76.71	95.68	122.20	-26.52 peak
3	5860.000	19.54	34.44	34.96	53.32	72.34	109.40	-37.06 peak
4 p	5931.287	19.59	34.66	34.93	45.48	64.80	68.20	-3.40 peak



Test Mode: 33; Polarity: Vertical; Modulation: OFDM; Bandwidth: 10MHz; Channel: High

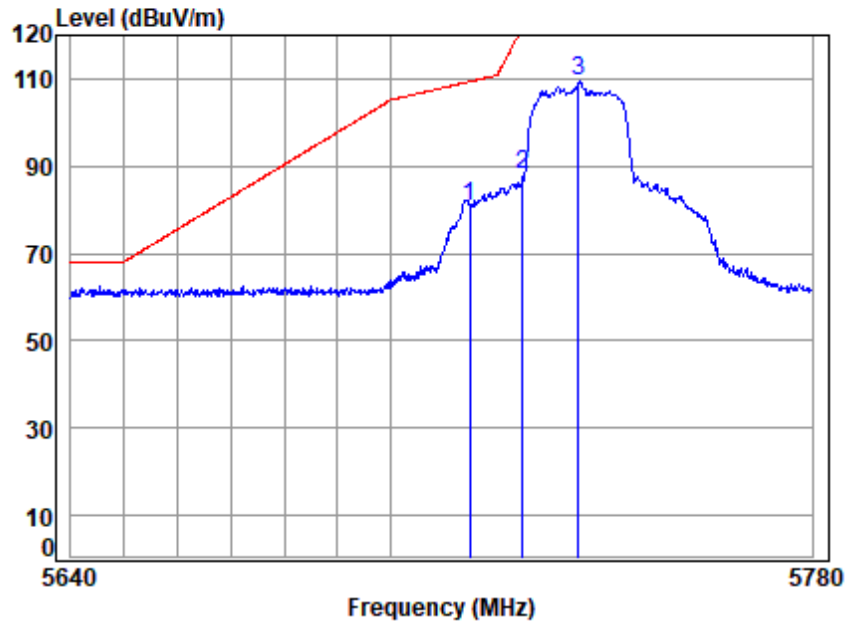


Site : chamber
Condition: 3m VERTICAL
Job No : 02140AT/02141AT
Mode : 5844.5 Band edge
: 5.8G SDR 10M

		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	5844.500	19.53	34.39	34.97	89.86	108.81	-----	peak
2	5850.000	19.54	34.40	34.97	74.54	93.51	122.20	-28.69 peak
3	5860.000	19.54	34.44	34.96	52.30	71.32	109.40	-38.08 peak
4 p	5954.498	19.60	34.72	34.92	44.44	63.84	68.20	-4.36 peak



Test Mode: 35; Polarity: Horizontal; Modulation: OFDM; Bandwidth: 20MHz; Channel: Low

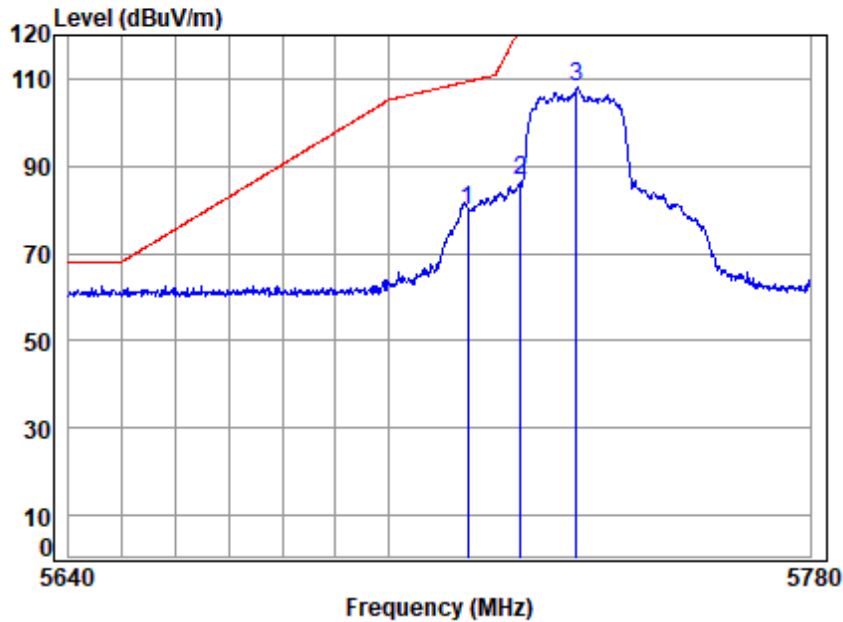


Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 02140AT/02141AT
 Mode : 5735.5 Band edge
 : 5.8G SDR 20M

		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 p 5715.000	19.45	34.27	35.03	62.17	80.86	109.40	-28.54	peak
2 5725.000	19.46	34.25	35.03	69.23	87.91	122.20	-34.29	peak
3 5735.500	19.46	34.23	35.02	90.63	109.30	-----	-----	peak



Test Mode: 35; Polarity: Vertical; Modulation: OFDM; Bandwidth: 20MHz; Channel: Low

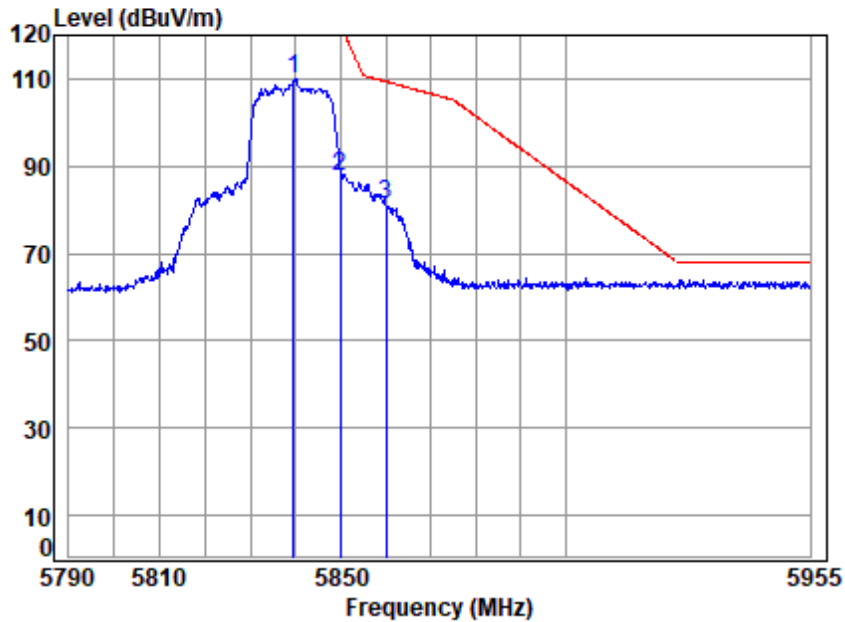


Site : chamber
Condition: 3m VERTICAL
Job No : 02140AT/02141AT
Mode : 5735.5 Band edge
: 5.8G SDR 20M

		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 p 5715.000	19.45	34.27	35.03	61.25	79.94	109.40	-29.46	peak
2 5725.000	19.46	34.25	35.03	67.82	86.50	122.20	-35.70	peak
3 5735.500	19.46	34.23	35.02	89.29	107.96	-----	-----	peak



Test Mode: 35; Polarity: Horizontal; Modulation: OFDM; Bandwidth: 20MHz; Channel: High

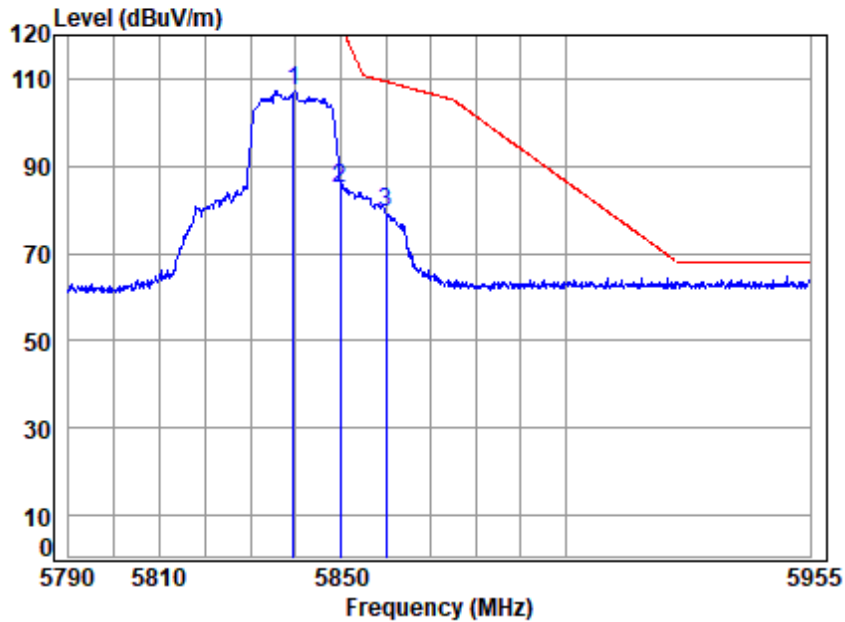


Site : chamber
Condition: 3m HORIZONTAL
Job No : 02140AT/02141AT
Mode : 5839.5 Band edge
: 5.8G SDR 20M

		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	19.53	34.38	34.97	91.08	110.02	-----	----- peak
2	5850.000	19.54	34.40	34.97	68.41	87.38	122.20	-34.82 peak
3 p	5860.000	19.54	34.44	34.96	62.28	81.30	109.40	-28.10 peak



Test Mode: 35; Polarity: Vertical; Modulation: OFDM; Bandwidth: 20MHz; Channel: High

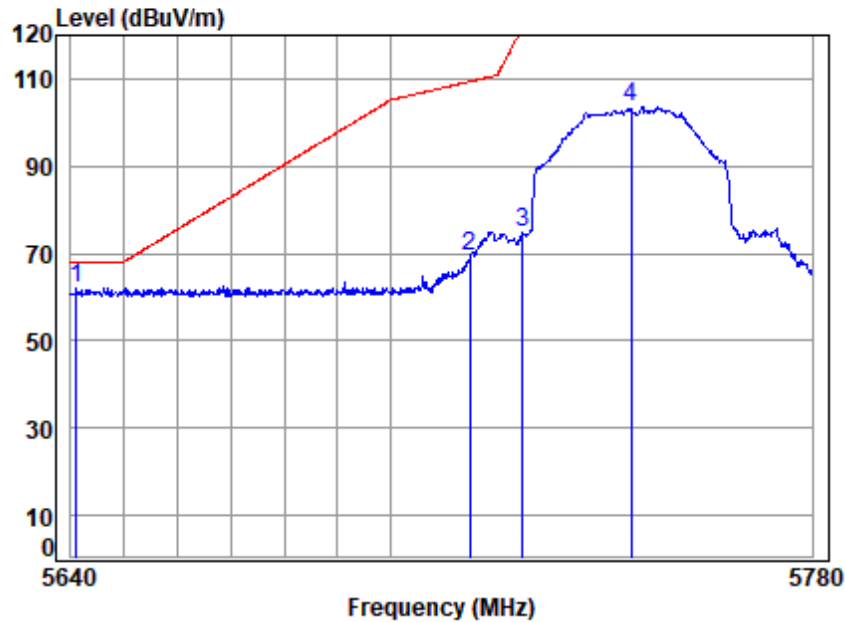


Site : chamber
Condition: 3m VERTICAL
Job No : 02140AT/02141AT
Mode : 5839.5 Band edge
: 5.8G SDR 20M

		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	19.53	34.38	34.97	88.35	107.29	-----	-----	peak
2 5850.000	19.54	34.40	34.97	65.83	84.80	122.20	-37.40	peak
3 p 5860.000	19.54	34.44	34.96	60.17	79.19	109.40	-30.21	peak



Test Mode: 37; Polarity: Horizontal; Modulation: OFDM; Bandwidth: 40MHz; Channel: Low

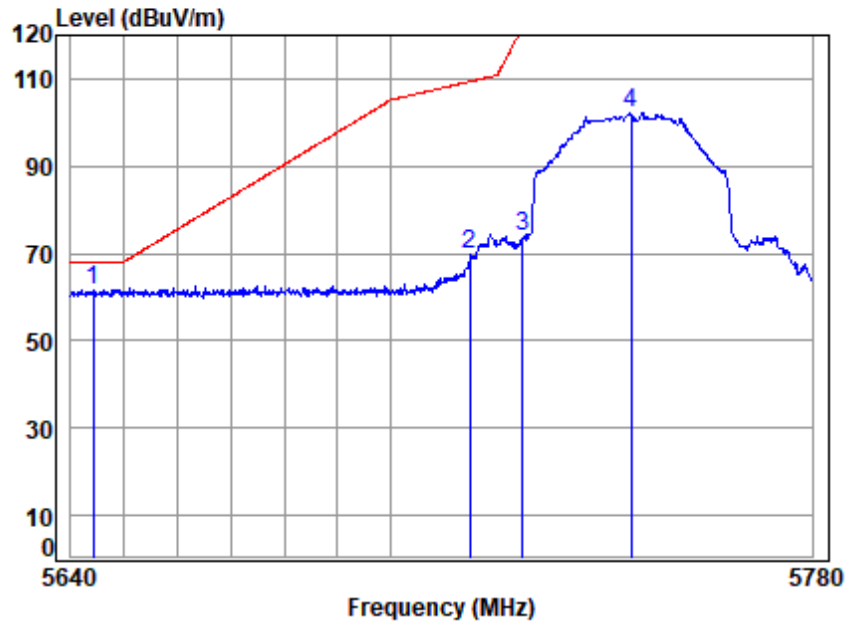


Site : chamber
Condition: 3m HORIZONTAL
Job No : 02140AT/02141AT
Mode : 5745.5 Band edge
: 5.8G SDR 40M

		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 p	5641.106	19.40	34.45	35.07	43.37	62.15	68.20	-6.05 peak
2	5715.000	19.45	34.27	35.03	50.64	69.33	109.40	-40.07 peak
3	5725.000	19.46	34.25	35.03	56.05	74.73	122.20	-47.47 peak
4	5745.500	19.47	34.21	35.02	84.81	103.47	-----	----- peak



Test Mode: 37; Polarity: Vertical; Modulation: OFDM; Bandwidth: 40MHz; Channel: Low

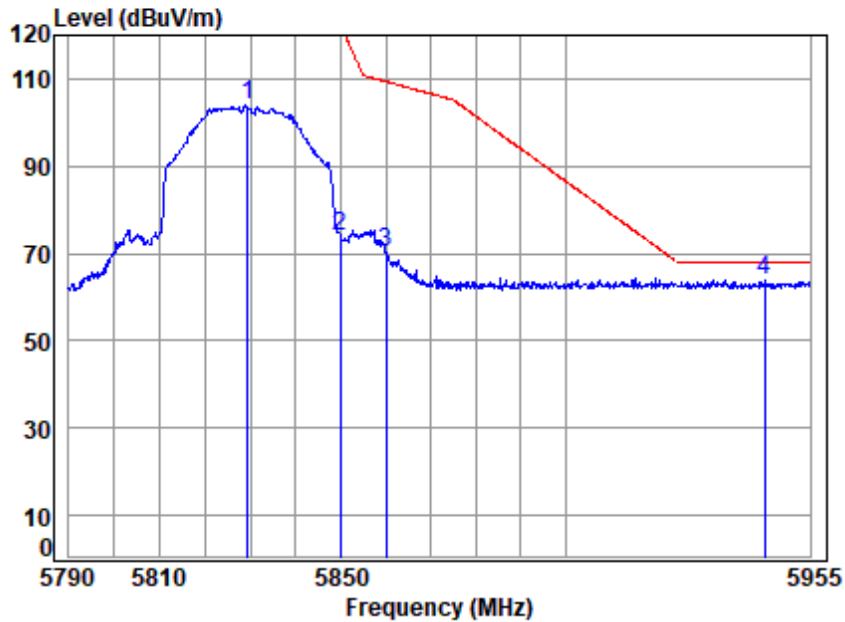


Site : chamber
Condition: 3m VERTICAL
Job No : 02140AT/02141AT
Mode : 5745.5 Band edge
: 5.8G SDR 40M

		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 p	5644.150	19.41	34.44	35.06	42.70	61.49	68.20	-6.71 peak
2	5715.000	19.45	34.27	35.03	50.97	69.66	109.40	-39.74 peak
3	5725.000	19.46	34.25	35.03	55.13	73.81	122.20	-48.39 peak
4	5745.500	19.47	34.21	35.02	83.47	102.13	-----	----- peak



Test Mode: 37; Polarity: Horizontal; Modulation: OFDM; Bandwidth: 40MHz; Channel: High

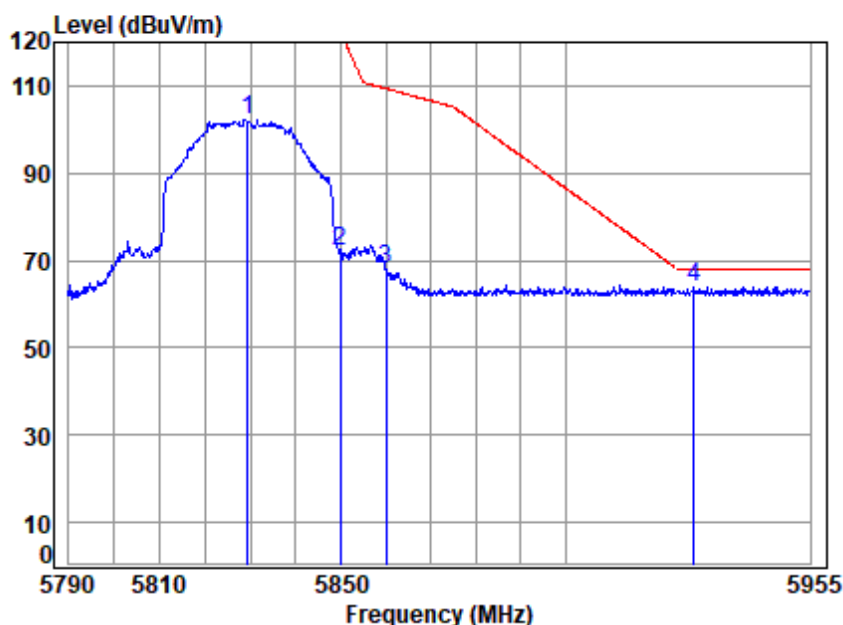


Site : chamber
Condition: 3m HORIZONTAL
Job No : 02140AT/02141AT
Mode : 5829.5 Band edge
: 5.8G SDR 40M

		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	19.52	34.36	34.98	85.08	103.98	-----	----- peak
2	5850.000	19.54	34.40	34.97	54.88	73.85	122.20	-48.35 peak
3	5860.000	19.54	34.44	34.96	51.19	70.21	109.40	-39.19 peak
4 p	5944.802	19.60	34.69	34.92	44.67	64.04	68.20	-4.16 peak



Test Mode: 37; Polarity: Vertical; Modulation: OFDM; Bandwidth: 40MHz; Channel: High

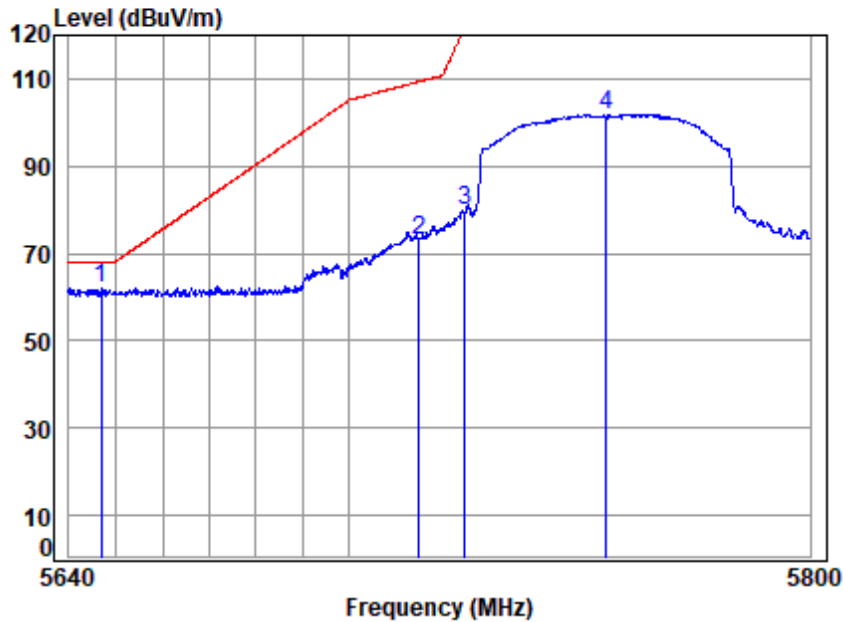


Site : chamber
Condition: 3m VERTICAL
Job No : 02140AT/02141AT
Mode : 5829.5 Band edge
: 5.8G SDR 40M

		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	19.52	34.36	34.98	83.33	102.23	-----	-----	peak
2 5850.000	19.54	34.40	34.97	52.94	71.91	122.20	-50.29	peak
3 5860.000	19.54	34.44	34.96	49.17	68.19	109.40	-41.21	peak
4 p 5928.787	19.59	34.66	34.93	44.79	64.11	68.20	-4.09	peak



Test Mode: 39; Polarity: Horizontal; Modulation: OFDM; Bandwidth: 60MHz; Channel: Low

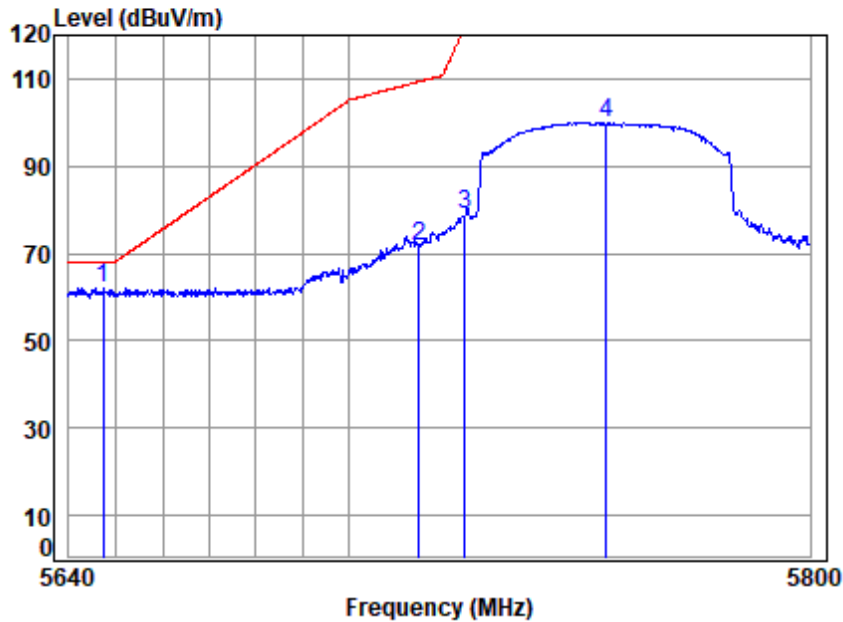


Site : chamber
Condition: 3m HORIZONTAL
Job No : 02140AT/02141AT
Mode : 5755.5 Band edge
: 5.8G SDR 60M

		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 p 5646.946	19.41	34.42	35.06	43.17	61.94	68.20	-6.26	peak
2 5715.000	19.45	34.27	35.03	54.38	73.07	109.40	-36.33	peak
3 5725.000	19.46	34.25	35.03	61.28	79.96	122.20	-42.24	peak
4 5755.500	19.48	34.21	35.01	83.10	101.78	-----	-----	peak



Test Mode: 39; Polarity: Vertical; Modulation: OFDM; Bandwidth: 60MHz; Channel: Low

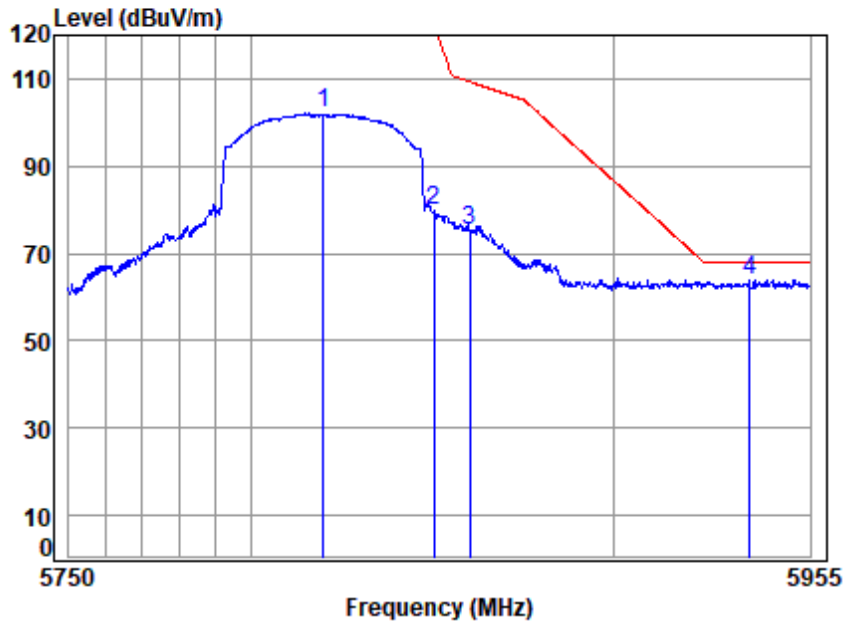


Site : chamber
 Condition: 3m VERTICAL
 Job No : 02140AT/02141AT
 Mode : 5755.5 Band edge
 : 5.8G SDR 60M

		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 p 5647.262	19.41	34.42	35.06	43.48	62.25	68.20	-5.95	peak
2 5715.000	19.45	34.27	35.03	53.14	71.83	109.40	-37.57	peak
3 5725.000	19.46	34.25	35.03	60.37	79.05	122.20	-43.15	peak
4 5755.500	19.48	34.21	35.01	81.29	99.97	-----	-----	peak



Test Mode: 39; Polarity: Horizontal; Modulation: OFDM; Bandwidth: 60MHz; Channel: High

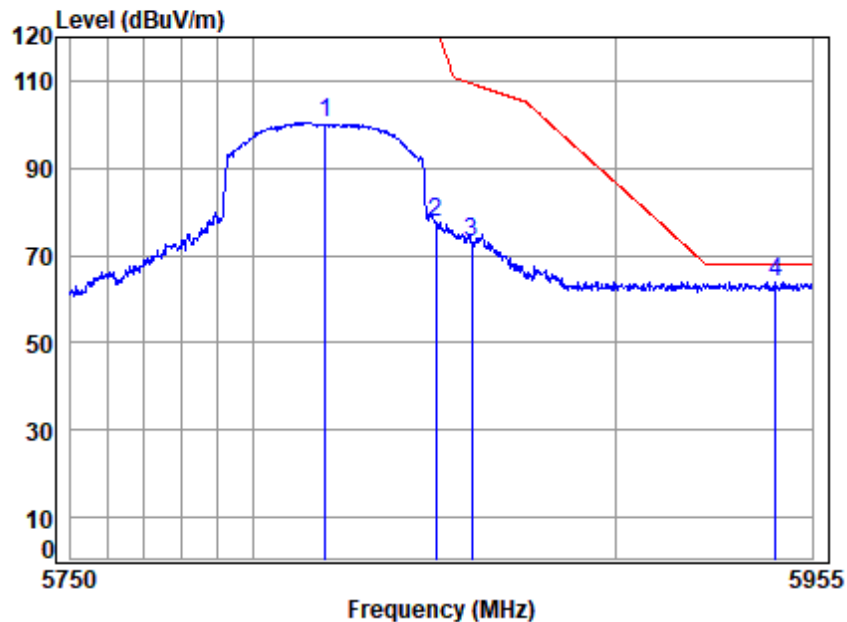


Site : chamber
Condition: 3m HORIZONTAL
Job No : 02140AT/02141AT
Mode : 5819.5 Band edge
: 5.8G SDR 60M

		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	19.52	34.34	34.98	83.13	102.01	-----	peak
2	5850.000	19.54	34.40	34.97	61.03	80.00	122.20	-42.20 peak
3	5860.000	19.54	34.44	34.96	56.22	75.24	109.40	-34.16 peak
4 p	5937.918	19.59	34.68	34.93	44.72	64.06	68.20	-4.14 peak



Test Mode: 39; Polarity: Vertical; Modulation: OFDM; Bandwidth: 60MHz; Channel: High

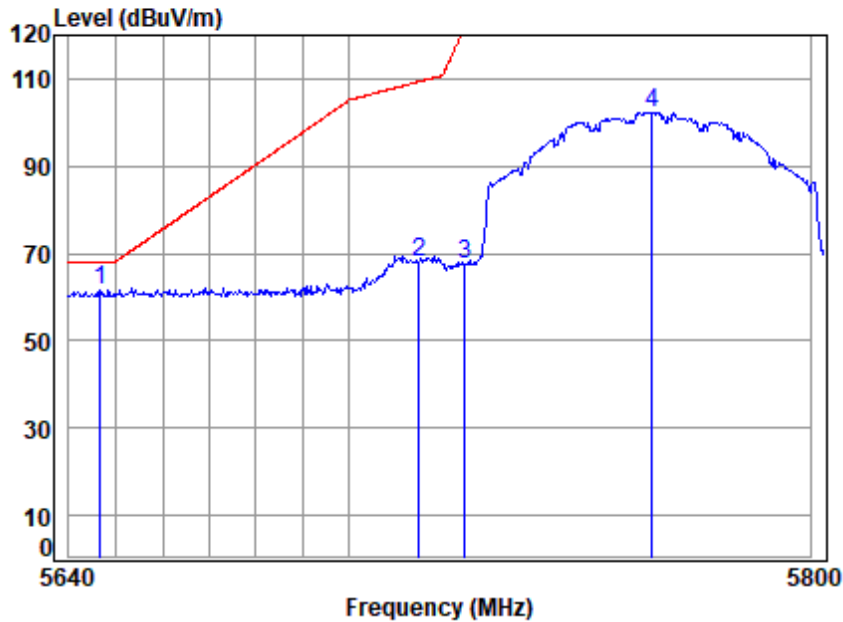


Site : chamber
Condition: 3m VERTICAL
Job No : 02140AT/02141AT
Mode : 5819.5 Band edge
: 5.8G SDR 60M

		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	19.52	34.34	34.98	81.65	100.53	-----	----- peak
2	5850.000	19.54	34.40	34.97	58.60	77.57	122.20	-44.63 peak
3	5860.000	19.54	34.44	34.96	54.01	73.03	109.40	-36.37 peak
4 p	5944.787	19.60	34.69	34.92	44.55	63.92	68.20	-4.28 peak



Test Mode: 41; Polarity: Horizontal; Modulation: OFDM; Bandwidth: 80MHz; Channel: Low

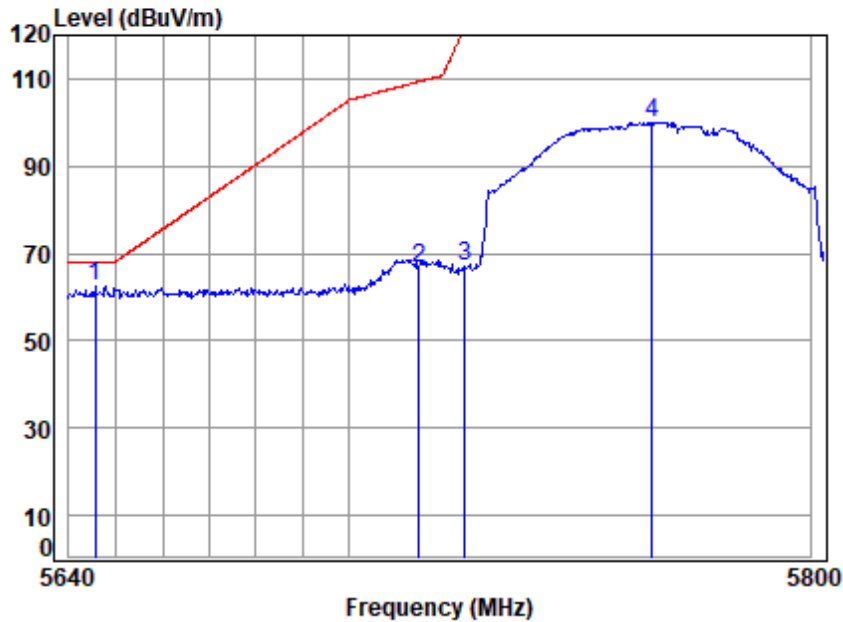


Site : chamber
Condition: 3m HORIZONTAL
Job No : 02140AT/02141AT
Mode : 5765.5 Band edge
: 5.8G SDR 80M

		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 p	5646.613	19.41	34.42	35.06	42.96	61.73	68.20	-6.47 peak
2	5715.000	19.45	34.27	35.03	49.11	67.80	109.40	-41.60 peak
3	5725.000	19.46	34.25	35.03	49.00	67.68	122.20	-54.52 peak
4	5765.500	19.48	34.23	35.01	83.47	102.17	-----	----- peak



Test Mode: 41; Polarity: Vertical; Modulation: OFDM; Bandwidth: 80MHz; Channel: Low

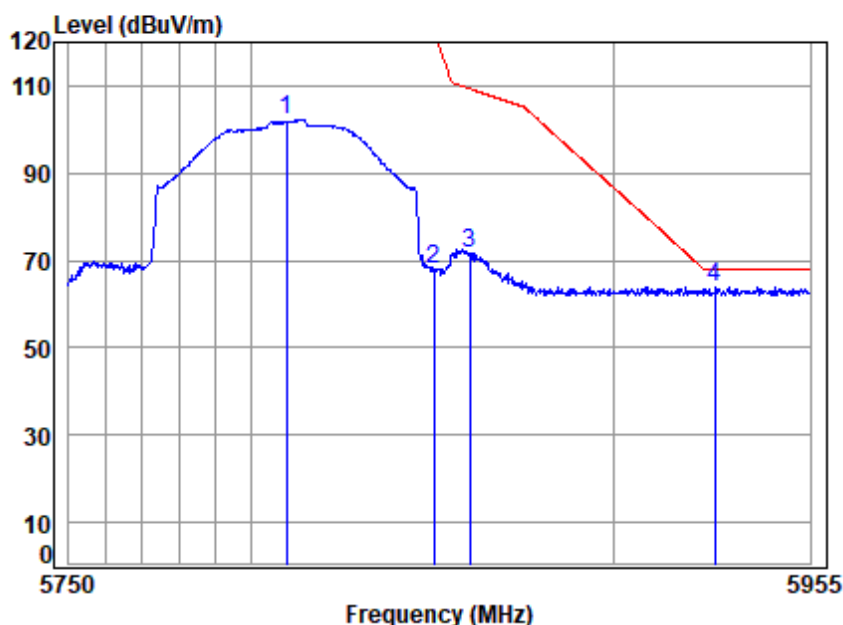


Site : chamber
Condition: 3m VERTICAL
Job No : 02140AT/02141AT
Mode : 5765.5 Band edge
: 5.8G SDR 80M

		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 p 5645.595	19.41	34.43	35.06	43.77	62.55	68.20	-5.65	peak
2 5715.000	19.45	34.27	35.03	48.11	66.80	109.40	-42.60	peak
3 5725.000	19.46	34.25	35.03	48.28	66.96	122.20	-55.24	peak
4 5765.500	19.48	34.23	35.01	81.42	100.12	-----	-----	peak



Test Mode: 41; Polarity: Horizontal; Modulation: OFDM; Bandwidth: 80MHz; Channel: High



Site : chamber
Condition: 3m HORIZONTAL
Job No : 02140AT/02141AT
Mode : 5809.5 Band edge
: 5.8G SDR 80M

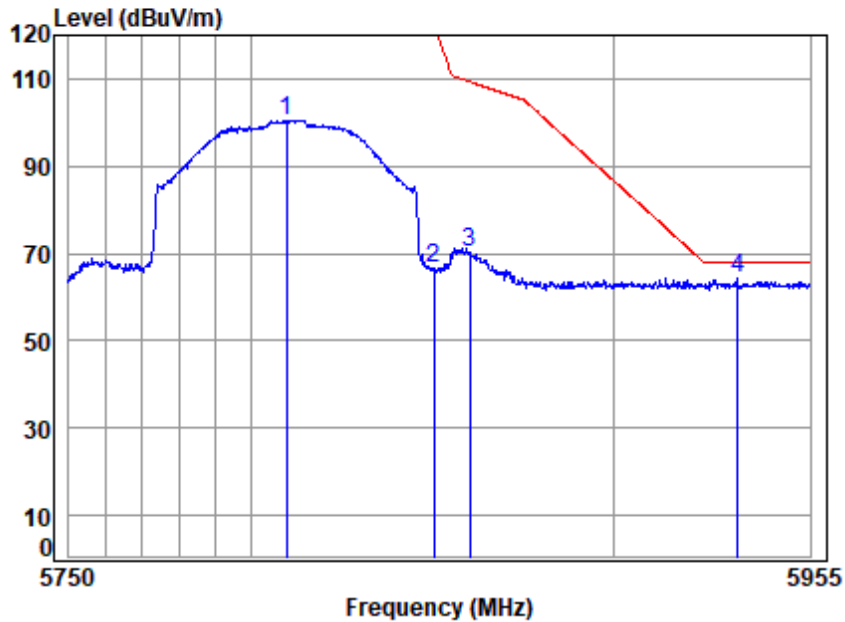
		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5809.500	19.51	34.32	34.99	83.44	102.28	-----	----- peak
2	5850.000	19.54	34.40	34.97	48.83	67.80	122.20	-54.40 peak
3	5860.000	19.54	34.44	34.96	52.61	71.63	109.40	-37.77 peak
4 p	5928.357	19.59	34.66	34.93	44.73	64.05	68.20	-4.15 peak



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Test Mode: 41; Polarity: Vertical; Modulation: OFDM; Bandwidth: 80MHz; Channel: High



Site : chamber
Condition: 3m VERTICAL
Job No : 02140AT/02141AT
Mode : 5809.5 Band edge
: 5.8G 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	5809.500	19.51	34.32	34.99	81.73	100.57	-----	----- peak
2	5850.000	19.54	34.40	34.97	47.52	66.49	122.20	-55.71 peak
3	5860.000	19.54	34.44	34.96	51.15	70.17	109.40	-39.23 peak
4 p	5934.591	19.59	34.67	34.93	45.05	64.38	68.20	-3.82 peak



7.6 Duty Cycle

Test Requirement KDB 789033 D02 II B 1

Test Method: KDB 789033 II B 1

7.6.1 E.U.T. Operation

Operating Environment:

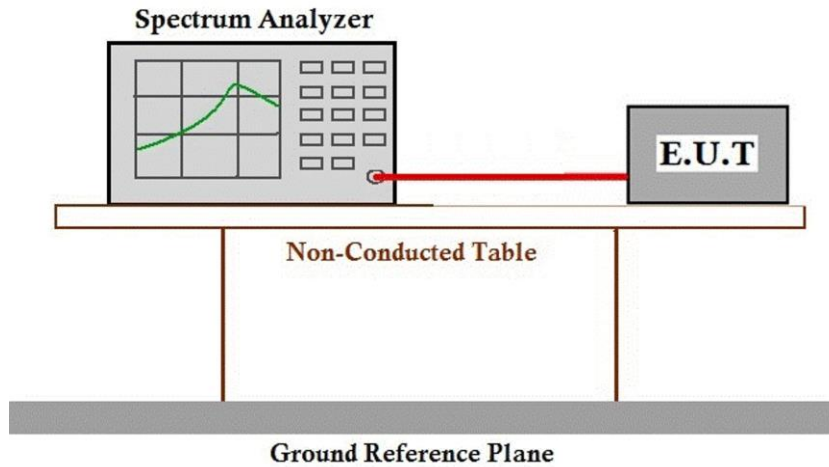
Temperature: 21.2 °C Humidity: 49.3 % RH Atmospheric Pressure: 1020 mbar

7.6.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	20	TX mode (5.1G SDR_10MHz)_Keep the EUT in transmitting mode.
Final test	22	TX mode (5.1G SDR_20MHz)_Keep the EUT in transmitting mode.
Final test	24	TX mode (5.1G SDR_40MHz)_Keep the EUT in transmitting mode.
Final test	26	TX mode (5.8G SDR_1.4MHz)_Keep the EUT in transmitting mode.
Final test	28	TX mode (5.8G SDR_3MHz)_Keep the EUT in transmitting mode.
Final test	30	TX mode (5.8G SDR_5MHz)_Keep the EUT in transmitting mode.
Final test	32	TX mode (5.8G SDR_10MHz)_Keep the EUT in transmitting mode.
Final test	34	TX mode (5.8G SDR_20MHz)_Keep the EUT in transmitting mode.
Final test	36	TX mode (5.8G SDR_40MHz)_Keep the EUT in transmitting mode.
Final test	38	TX mode (5.8G SDR_60MHz)_Keep the EUT in transmitting mode.
Final test	40	TX mode (5.8G SDR_80MHz)_Keep the EUT in transmitting mode.
Final test	44	TX mode (5.1G SDR_1.4MHz)_Keep the EUT in transmitting mode.
Final test	46	TX mode (5.1G SDR_3MHz)_Keep the EUT in transmitting mode.
Final test	48	TX mode (5.1G SDR_5MHz)_Keep the EUT in transmitting mode.
Final test	50	TX mode (5.1G SDR_60MHz)_Keep the EUT in transmitting mode.
Final test	52	TX mode (5.1G SDR_80MHz)_Keep the EUT in transmitting mode.



7.6.3 Test Setup Diagram



7.6.4 Measurement Procedure and Data

Please Refer to Appendix for Details

7.7 99% Bandwidth

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

7.7.1 E.U.T. Operation

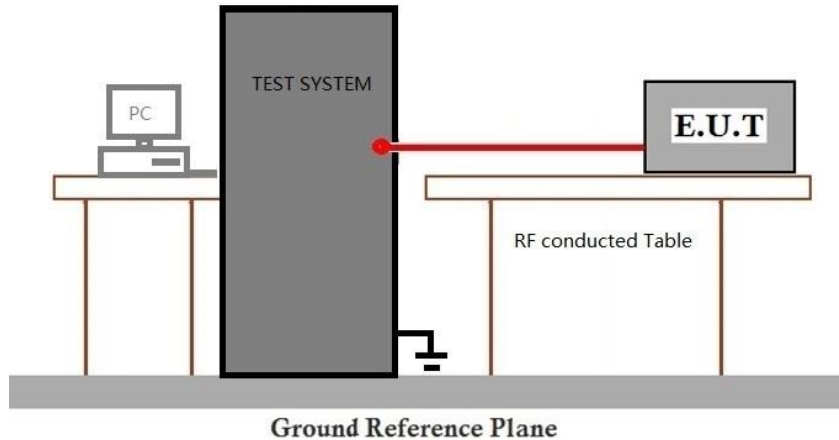
Operating Environment:
Temperature: 21.2 °C Humidity: 49.3 % RH Atmospheric Pressure: 1020 mbar

7.7.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	20	TX mode (5.1G SDR_10MHz)_Keep the EUT in transmitting mode.
Final test	22	TX mode (5.1G SDR_20MHz)_Keep the EUT in transmitting mode.
Final test	24	TX mode (5.1G SDR_40MHz)_Keep the EUT in transmitting mode.
Final test	26	TX mode (5.8G SDR_1.4MHz)_Keep the EUT in transmitting mode.
Final test	28	TX mode (5.8G SDR_3MHz)_Keep the EUT in transmitting mode.
Final test	30	TX mode (5.8G SDR_5MHz)_Keep the EUT in transmitting mode.
Final test	32	TX mode (5.8G SDR_10MHz)_Keep the EUT in transmitting mode.
Final test	34	TX mode (5.8G SDR_20MHz)_Keep the EUT in transmitting mode.
Final test	36	TX mode (5.8G SDR_40MHz)_Keep the EUT in transmitting mode.
Final test	38	TX mode (5.8G SDR_60MHz)_Keep the EUT in transmitting mode.
Final test	40	TX mode (5.8G SDR_80MHz)_Keep the EUT in transmitting mode.
Final test	44	TX mode (5.1G SDR_1.4MHz)_Keep the EUT in transmitting mode.
Final test	46	TX mode (5.1G SDR_3MHz)_Keep the EUT in transmitting mode.
Final test	48	TX mode (5.1G SDR_5MHz)_Keep the EUT in transmitting mode.
Final test	50	TX mode (5.1G SDR_60MHz)_Keep the EUT in transmitting mode.
Final test	52	TX mode (5.1G SDR_80MHz)_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 26dB Emission bandwidth

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

Test Method: KDB 789033 D02 II C 1

7.8.1 E.U.T. Operation

Operating Environment:

Temperature: 21.2 °C

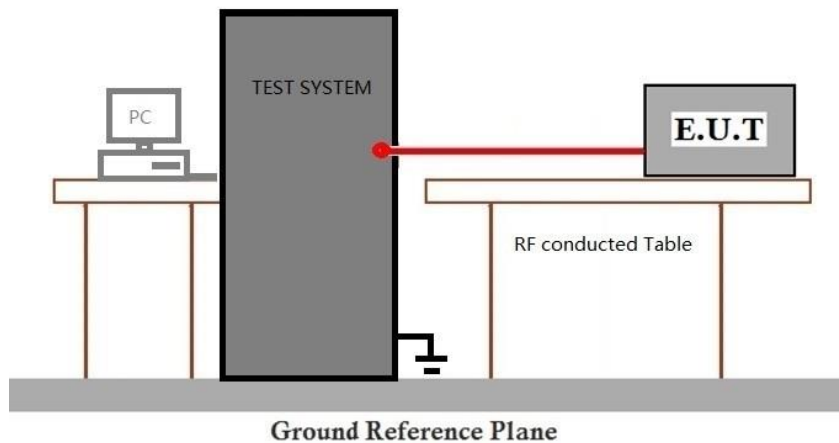
Humidity: 49.3 % RH

Atmospheric Pressure: 1020 mbar

7.8.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	20	TX mode (5.1G SDR_10MHz)_Keep the EUT in transmitting mode.
Final test	22	TX mode (5.1G SDR_20MHz)_Keep the EUT in transmitting mode.
Final test	24	TX mode (5.1G SDR_40MHz)_Keep the EUT in transmitting mode.
Final test	44	TX mode (5.1G SDR_1.4MHz)_Keep the EUT in transmitting mode.
Final test	46	TX mode (5.1G SDR_3MHz)_Keep the EUT in transmitting mode.
Final test	48	TX mode (5.1G SDR_5MHz)_Keep the EUT in transmitting mode.
Final test	50	TX mode (5.1G SDR_60MHz)_Keep the EUT in transmitting mode.
Final test	52	TX mode (5.1G SDR_80MHz)_Keep the EUT in transmitting mode.

7.8.3 Test Setup Diagram



7.8.4 Measurement Procedure and Data

Please Refer to Appendix for Details

7.9 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

7.9.1 E.U.T. Operation

Operating Environment:

Temperature: 21.2 °C

Humidity: 49.3 % RH

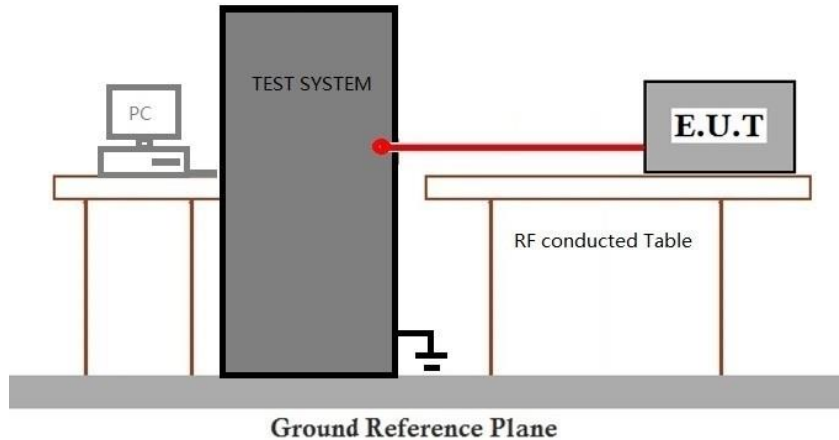
Atmospheric Pressure: 1020 mbar

7.9.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	26	TX mode (5.8G SDR_1.4MHz)_Keep the EUT in transmitting mode.
Final test	28	TX mode (5.8G SDR_3MHz)_Keep the EUT in transmitting mode.
Final test	30	TX mode (5.8G SDR_5MHz)_Keep the EUT in transmitting mode.
Final test	32	TX mode (5.8G SDR_10MHz)_Keep the EUT in transmitting mode.
Final test	34	TX mode (5.8G SDR_20MHz)_Keep the EUT in transmitting mode.
Final test	36	TX mode (5.8G SDR_40MHz)_Keep the EUT in transmitting mode.
Final test	38	TX mode (5.8G SDR_60MHz)_Keep the EUT in transmitting mode.
Final test	40	TX mode (5.8G SDR_80MHz)_Keep the EUT in transmitting mode.



7.9.3 Test Setup Diagram



7.9.4 Measurement Procedure and Data

Please Refer to Appendix for Details

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7.10 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.

7.10.1 E.U.T. Operation

Operating Environment:

Temperature: 21.2 °C

Humidity: 49.3 % RH

Atmospheric Pressure: 1020 mbar

7.10.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	20	TX mode (5.1G SDR_10MHz)_Keep the EUT in transmitting mode.
Final test	22	TX mode (5.1G SDR_20MHz)_Keep the EUT in transmitting mode.
Final test	24	TX mode (5.1G SDR_40MHz)_Keep the EUT in transmitting mode.
Final test	26	TX mode (5.8G SDR_1.4MHz)_Keep the EUT in transmitting mode.
Final test	28	TX mode (5.8G SDR_3MHz)_Keep the EUT in transmitting mode.
Final test	30	TX mode (5.8G SDR_5MHz)_Keep the EUT in transmitting mode.
Final test	32	TX mode (5.8G SDR_10MHz)_Keep the EUT in transmitting mode.
Final test	34	TX mode (5.8G SDR_20MHz)_Keep the EUT in transmitting mode.
Final test	36	TX mode (5.8G SDR_40MHz)_Keep the EUT in transmitting mode.
Final test	38	TX mode (5.8G SDR_60MHz)_Keep the EUT in transmitting mode.
Final test	40	TX mode (5.8G SDR_80MHz)_Keep the EUT in transmitting mode.
Final test	44	TX mode (5.1G SDR_1.4MHz)_Keep the EUT in transmitting mode.
Final test	46	TX mode (5.1G SDR_3MHz)_Keep the EUT in transmitting mode.
Final test	48	TX mode (5.1G SDR_5MHz)_Keep the EUT in transmitting mode.
Final test	50	TX mode (5.1G SDR_60MHz)_Keep the EUT in transmitting mode.
Final test	52	TX mode (5.1G SDR_80MHz)_Keep the EUT in transmitting mode.



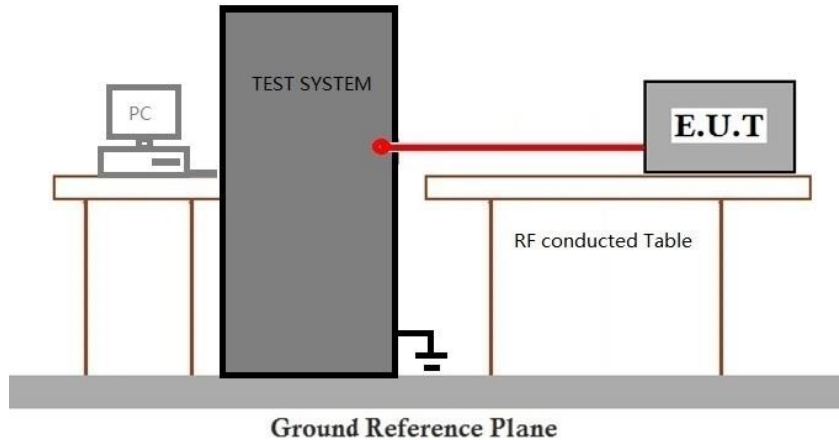
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7.10.3 Test Setup Diagram



7.10.4 Measurement Procedure and Data

Please Refer to Appendix for Details

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:

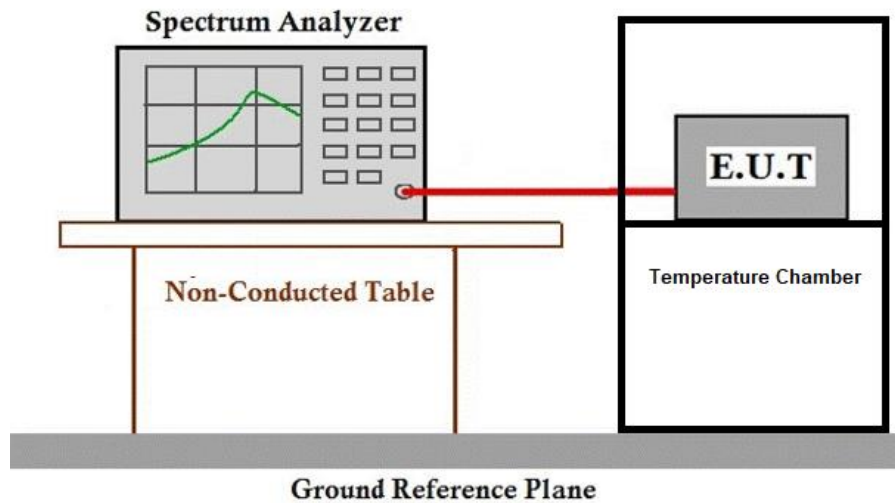
Temperature: 21.2 °C Humidity: 49.3 % RH Atmospheric Pressure: 1020 mbar

7.11.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	20	TX mode (5.1G SDR_10MHz)_Keep the EUT in transmitting mode.
Final test	22	TX mode (5.1G SDR_20MHz)_Keep the EUT in transmitting mode.
Final test	24	TX mode (5.1G SDR_40MHz)_Keep the EUT in transmitting mode.
Final test	26	TX mode (5.8G SDR_1.4MHz)_Keep the EUT in transmitting mode.
Final test	28	TX mode (5.8G SDR_3MHz)_Keep the EUT in transmitting mode.
Final test	30	TX mode (5.8G SDR_5MHz)_Keep the EUT in transmitting mode.
Final test	32	TX mode (5.8G SDR_10MHz)_Keep the EUT in transmitting mode.
Final test	34	TX mode (5.8G SDR_20MHz)_Keep the EUT in transmitting mode.
Final test	36	TX mode (5.8G SDR_40MHz)_Keep the EUT in transmitting mode.
Final test	38	TX mode (5.8G SDR_60MHz)_Keep the EUT in transmitting mode.
Final test	40	TX mode (5.8G SDR_80MHz)_Keep the EUT in transmitting mode.
Final test	44	TX mode (5.1G SDR_1.4MHz)_Keep the EUT in transmitting mode.
Final test	46	TX mode (5.1G SDR_3MHz)_Keep the EUT in transmitting mode.
Final test	48	TX mode (5.1G SDR_5MHz)_Keep the EUT in transmitting mode.
Final test	50	TX mode (5.1G SDR_60MHz)_Keep the EUT in transmitting mode.
Final test	52	TX mode (5.1G SDR_80MHz)_Keep the EUT in transmitting mode.



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 Setup Photo for SZCR2406002140AT

9 EUT Constructional Details (EUT Photos)

Refer to External and Internal Photos for SZCR2406002140AT



10 Appendix

For 5.1G SDR:

1. Duty Cycle

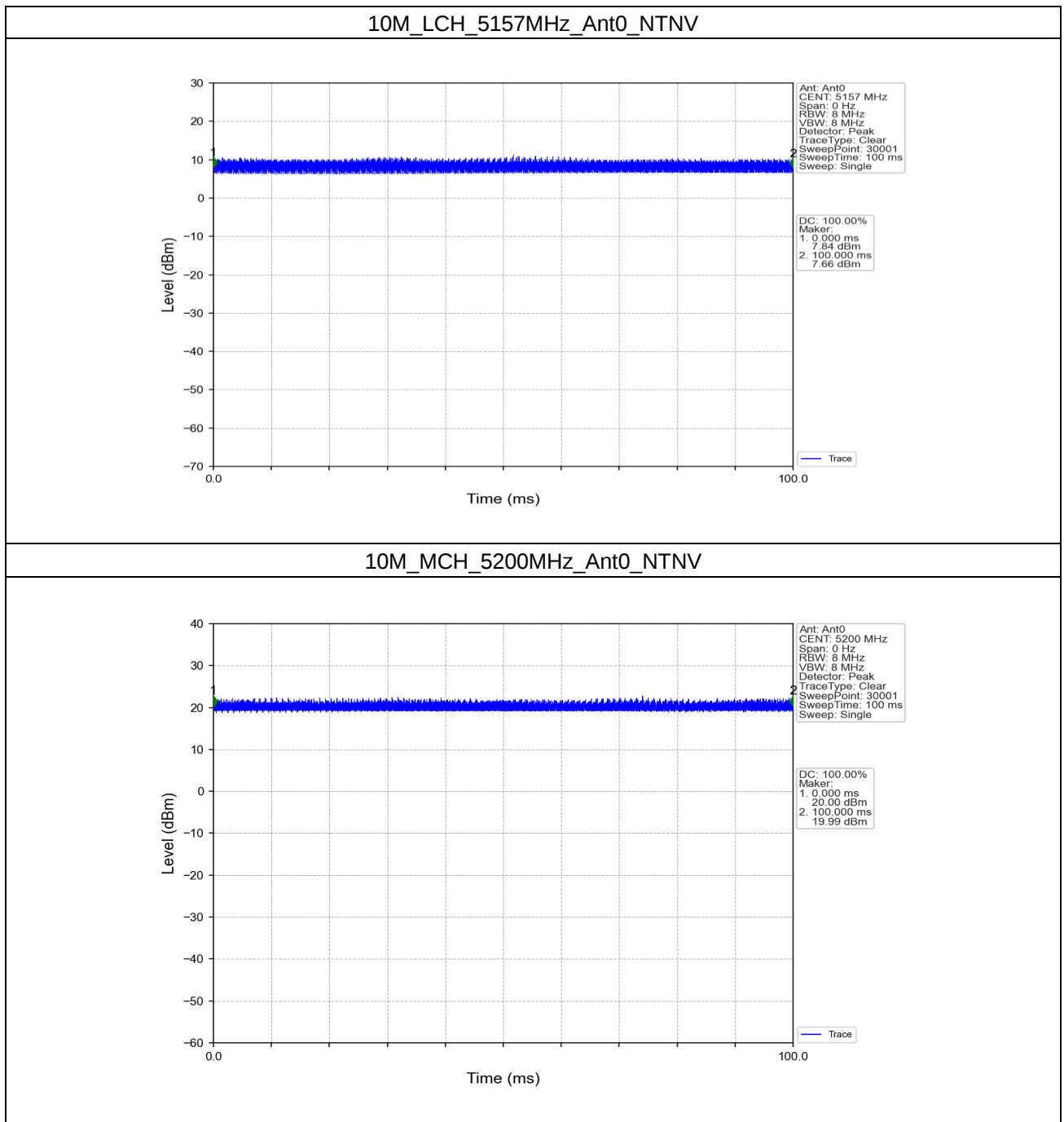
1.1 Test Result

1.1.1 Ant0

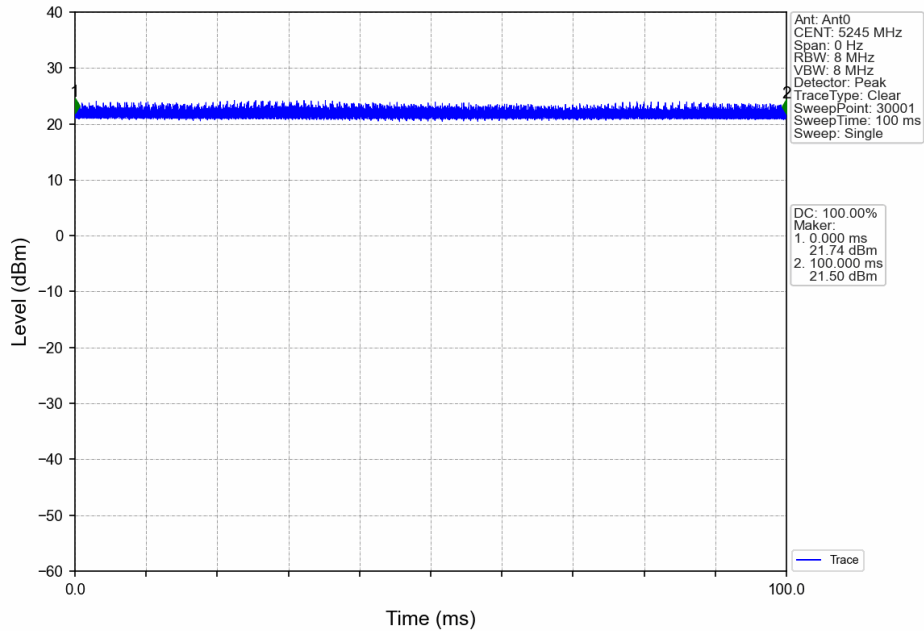
Ant0							
Mode	TX Type	Frequency (MHz)	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
10M	SISO	5157	100.000	100.000	100.00	0.00	0.00
		5200	100.000	100.000	100.00	0.00	0.00
		5245	100.000	100.000	100.00	0.00	0.00
20M	SISO	5161	100.000	100.000	100.00	0.00	0.00
		5200	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
1.4M	SISO	5154	100.000	100.000	100.00	0.00	0.00
		5202	100.000	100.000	100.00	0.00	0.00
		5248	100.000	100.000	100.00	0.00	0.00
3M	SISO	5154	100.000	100.000	100.00	0.00	0.00
		5199	100.000	100.000	100.00	0.00	0.00
		5247	100.000	100.000	100.00	0.00	0.00
5M	SISO	5155	100.000	100.000	100.00	0.00	0.00
		5202	100.000	100.000	100.00	0.00	0.00
		5247	100.000	100.000	100.00	0.00	0.00
60M	SISO	5180	100.000	100.000	100.00	0.00	0.00
		5200	100.000	100.000	100.00	0.00	0.00
		5220	100.000	100.000	100.00	0.00	0.00
80M	SISO	5190	100.000	100.000	100.00	0.00	0.00
		5200	100.000	100.000	100.00	0.00	0.00
		5210	100.000	100.000	100.00	0.00	0.00

1.2 Test Graph

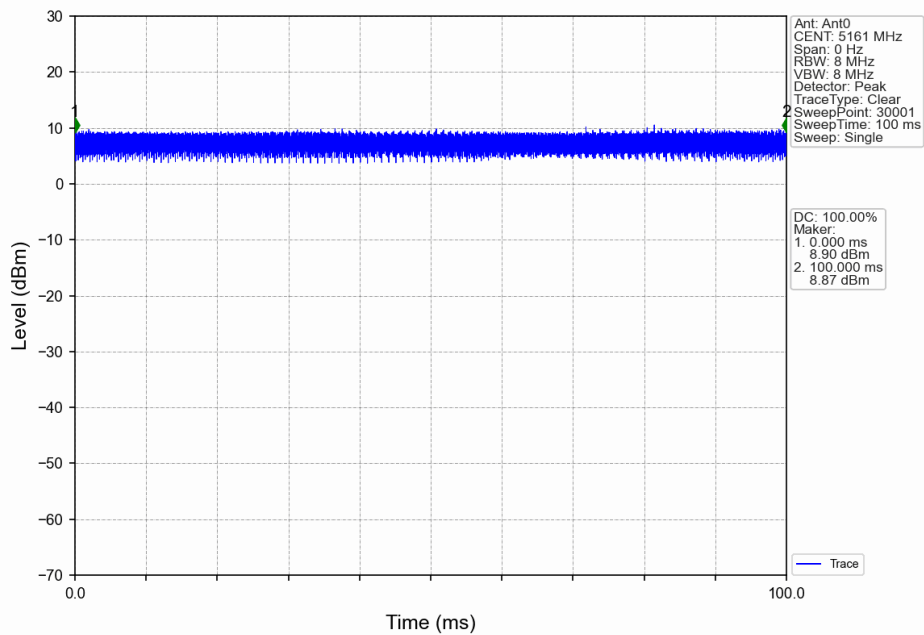
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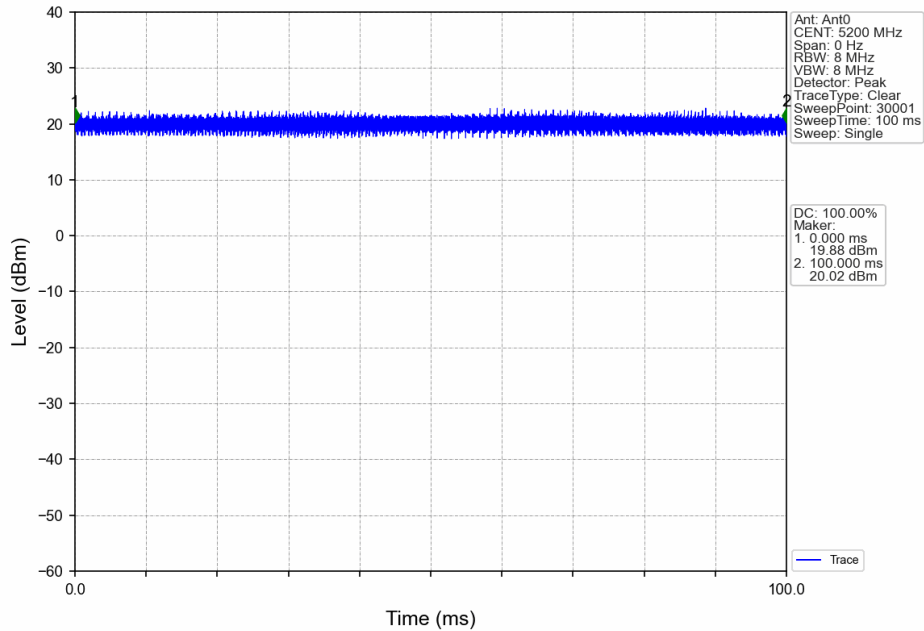
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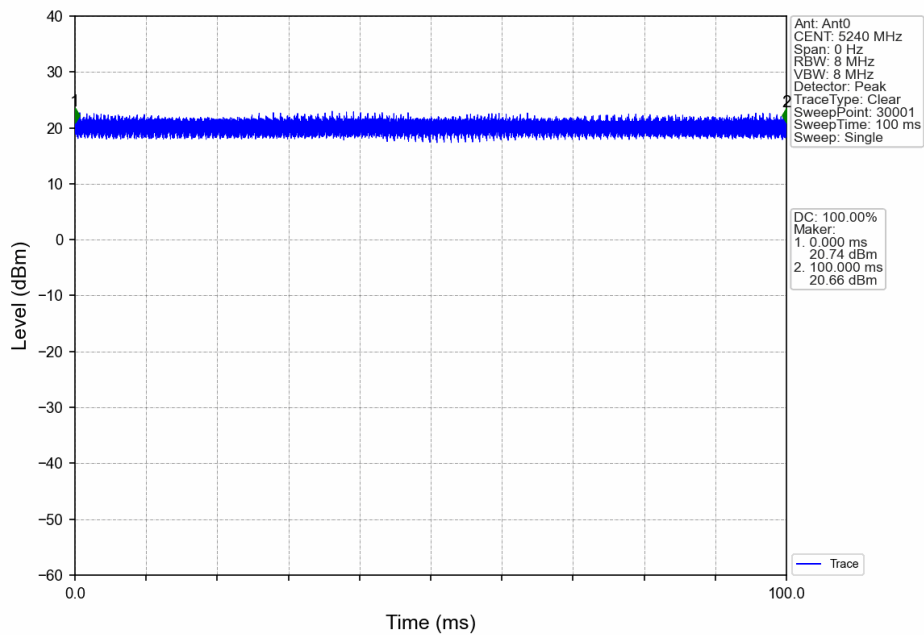
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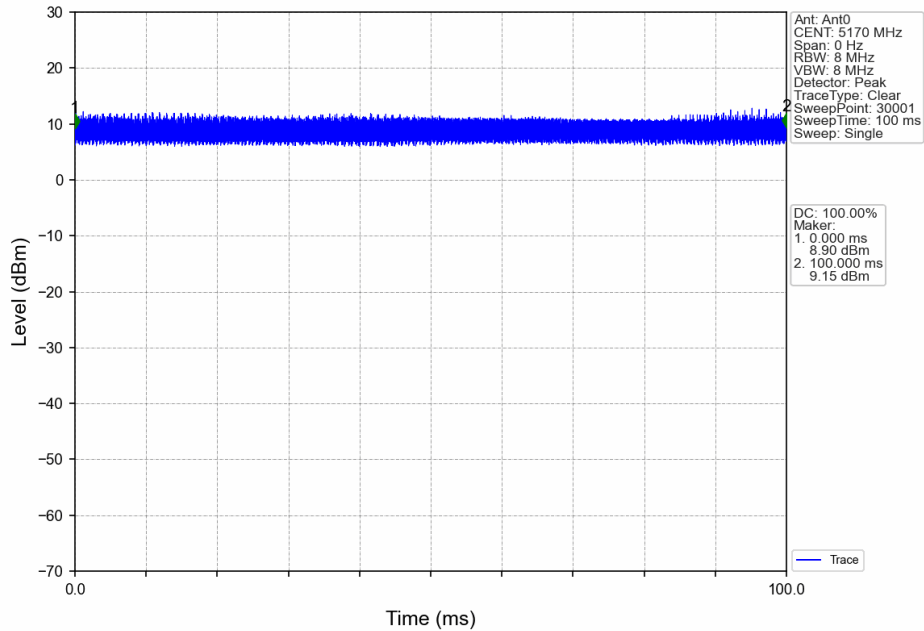
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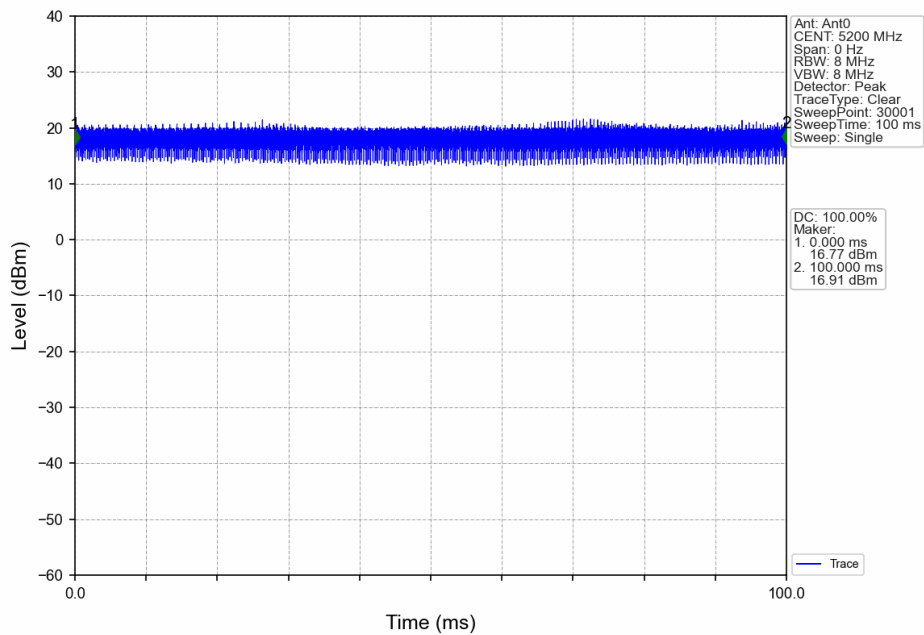
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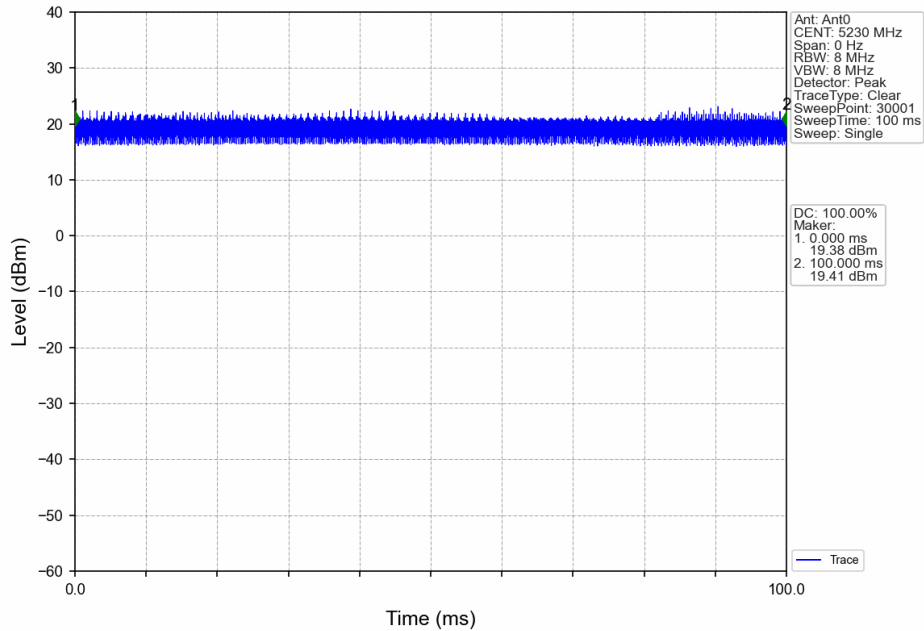
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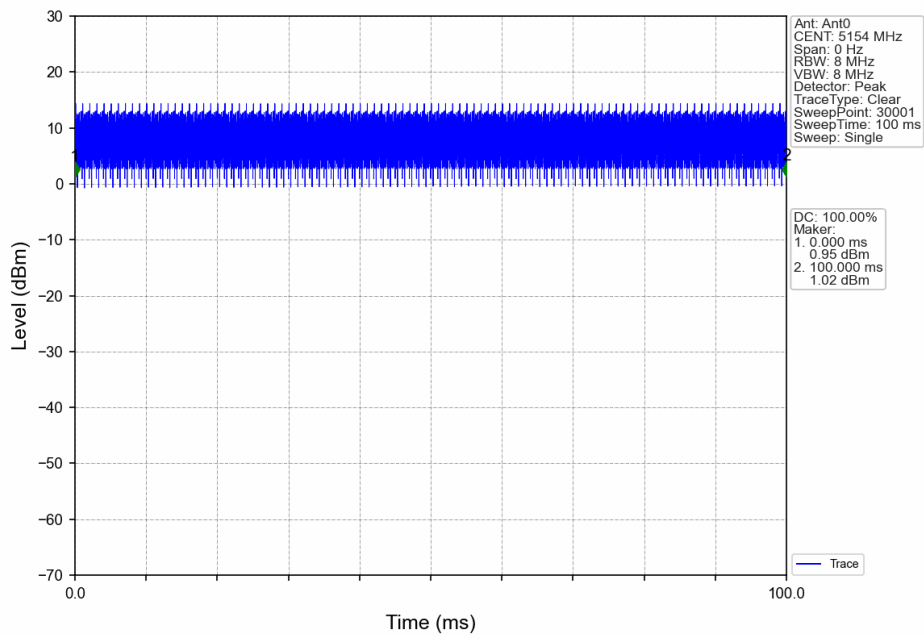
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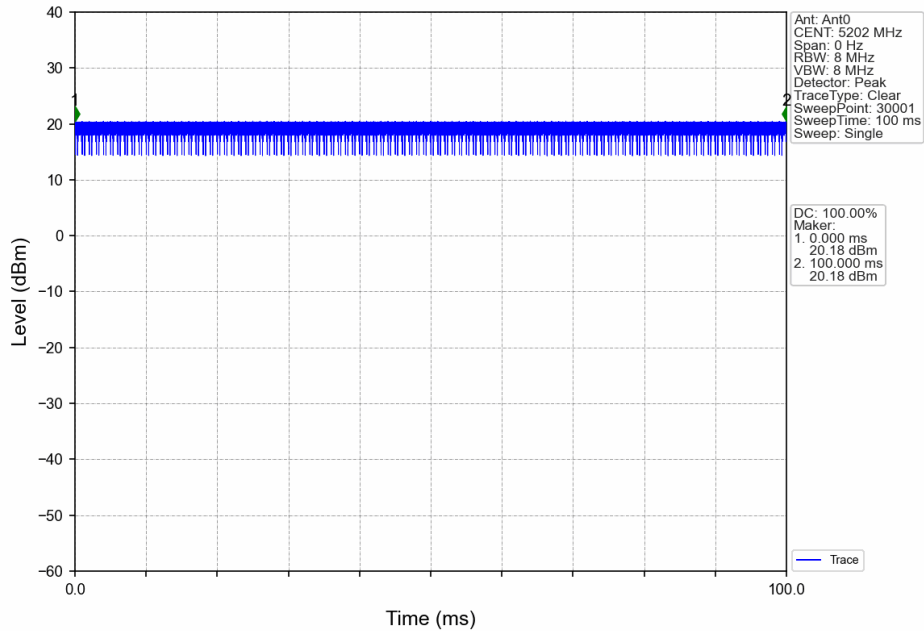
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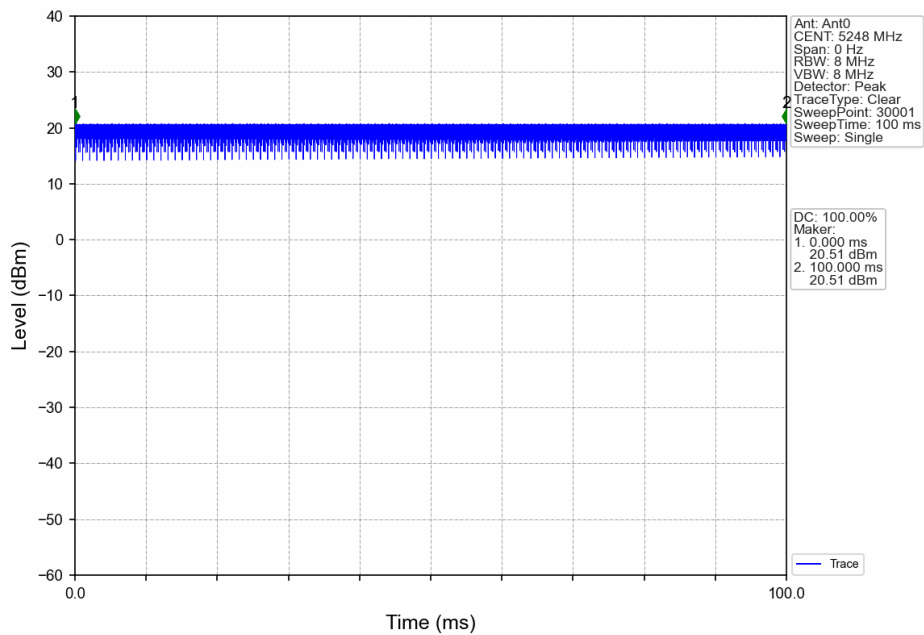
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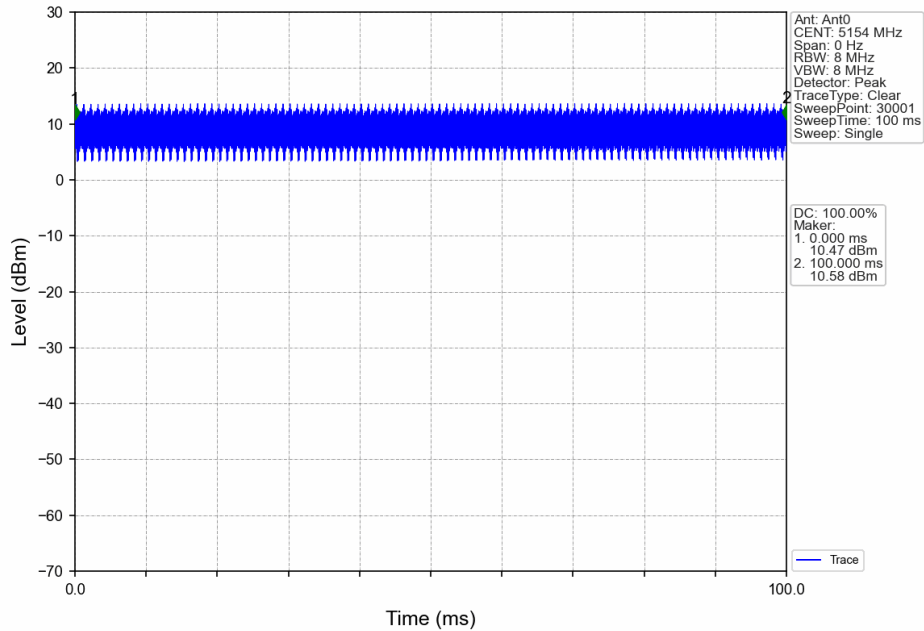
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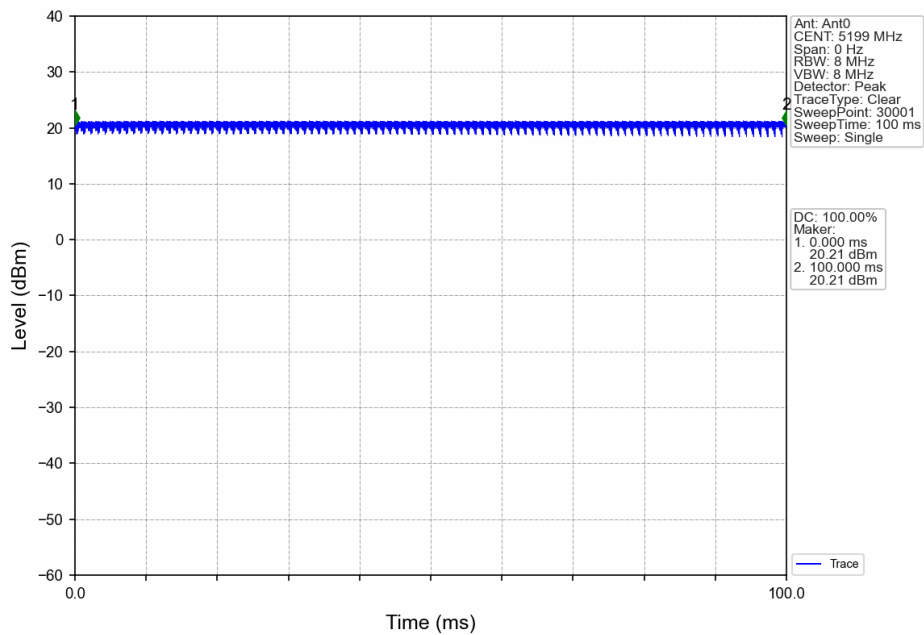
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3M_LCH_5154MHz_Ant0_NTNV



3M_MCH_5199MHz_Ant0_NTNV



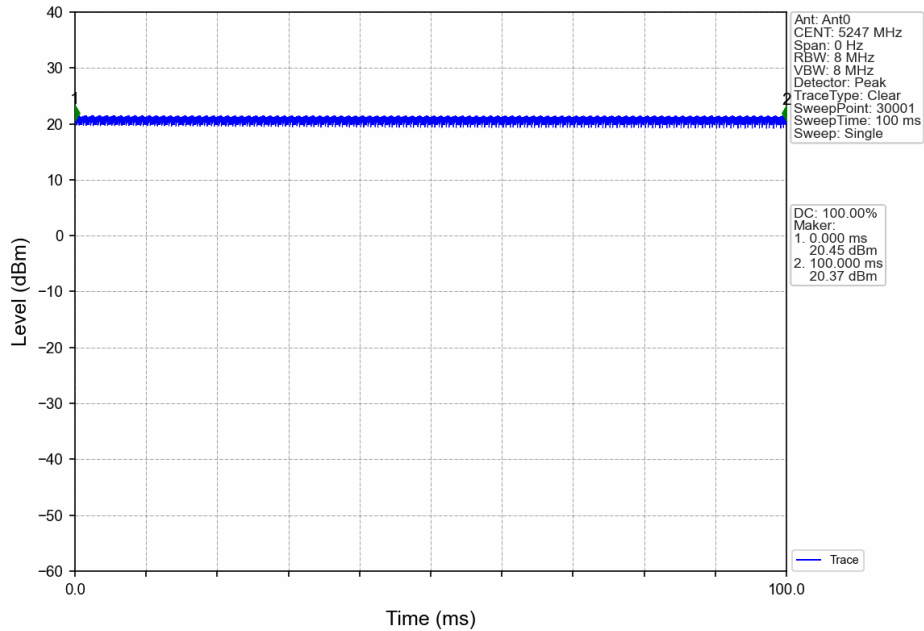
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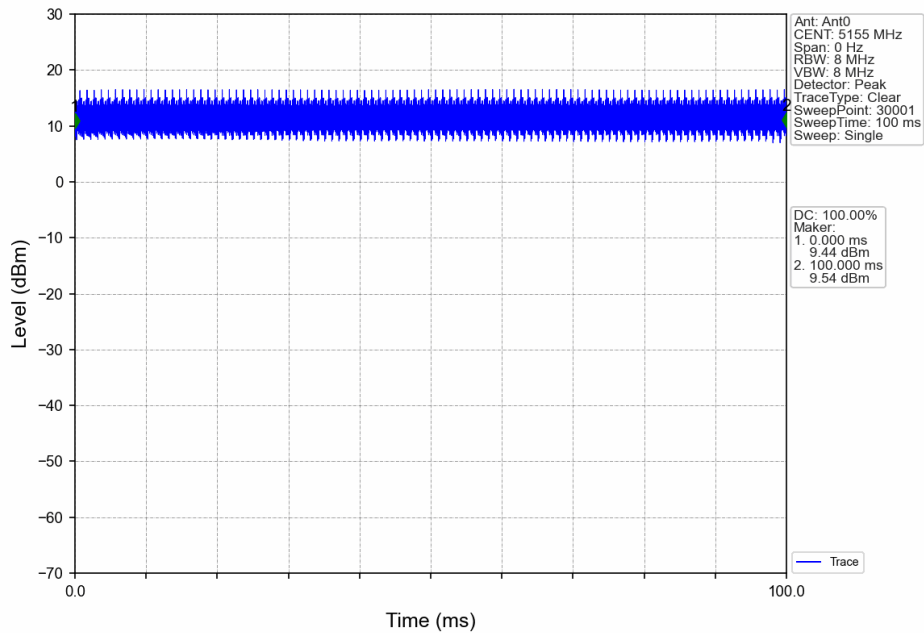
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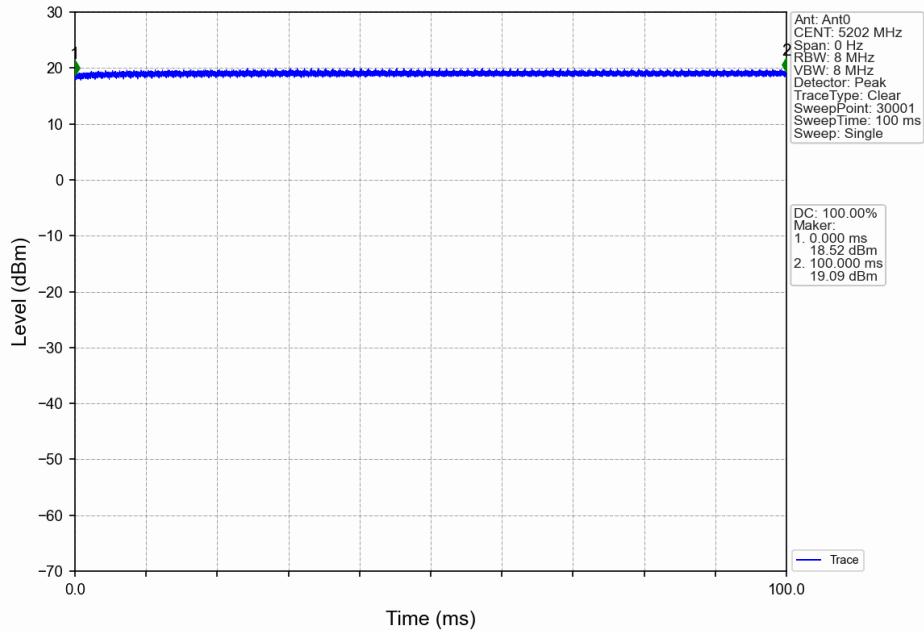
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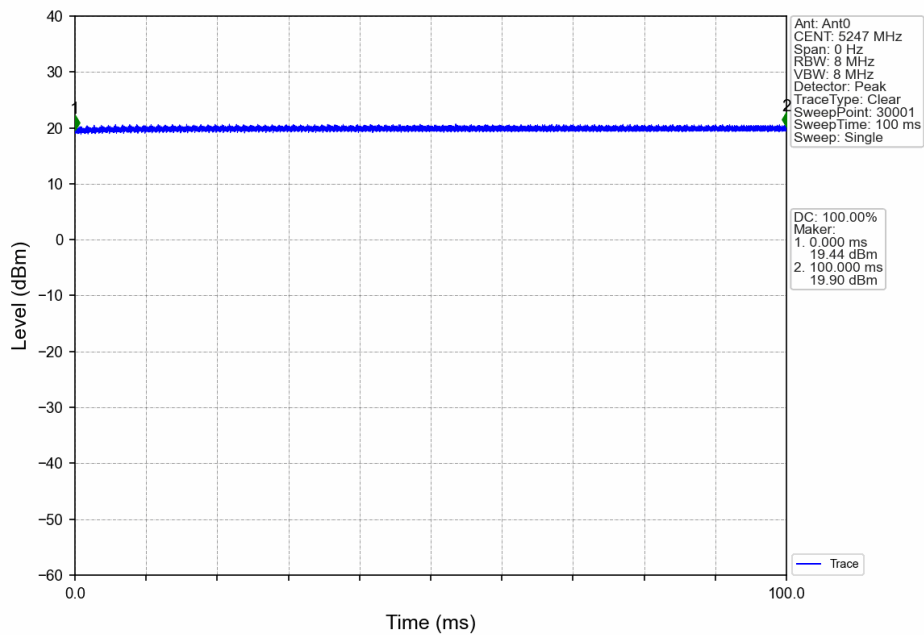
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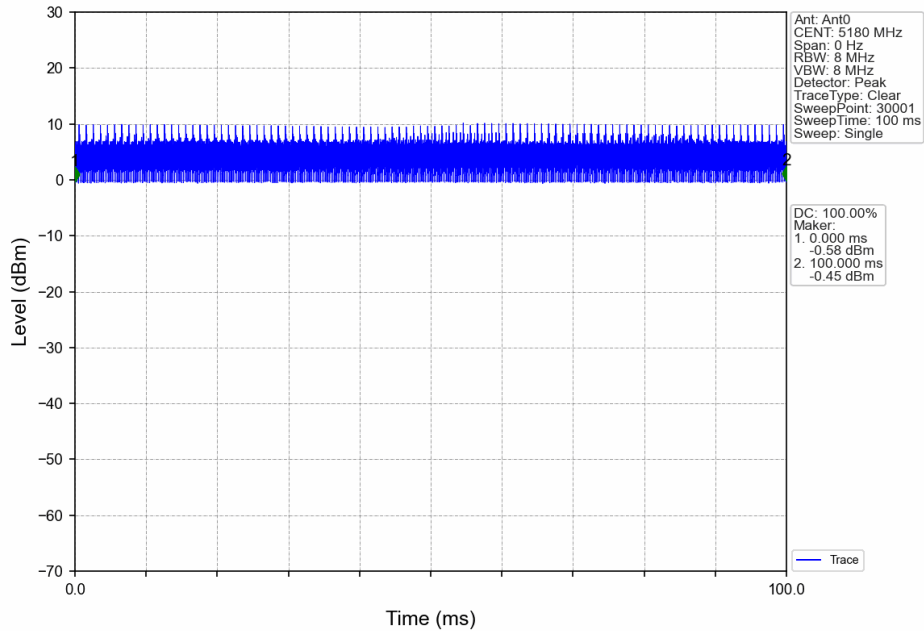
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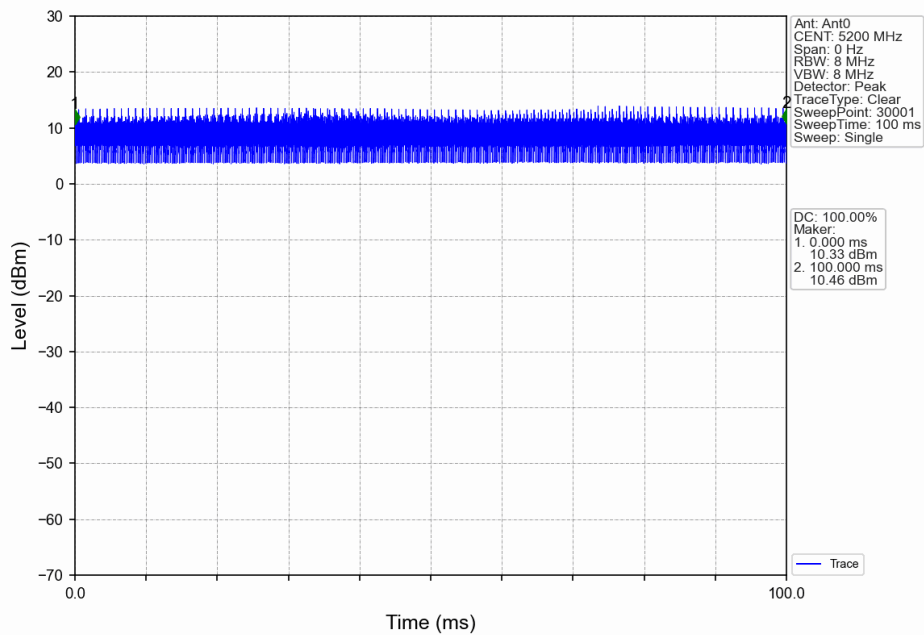
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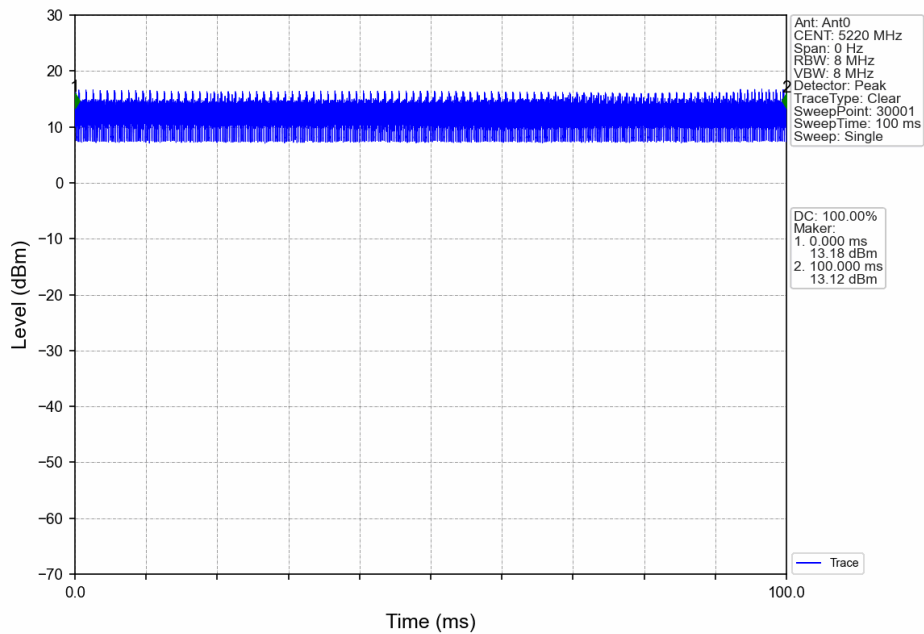
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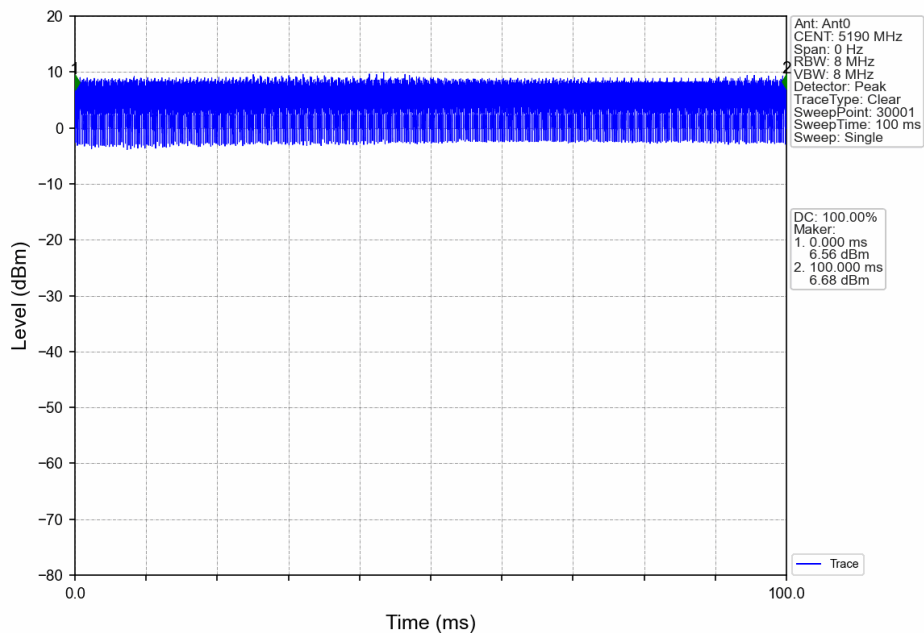
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60M_HCH_5220MHz_Ant0_NTNV



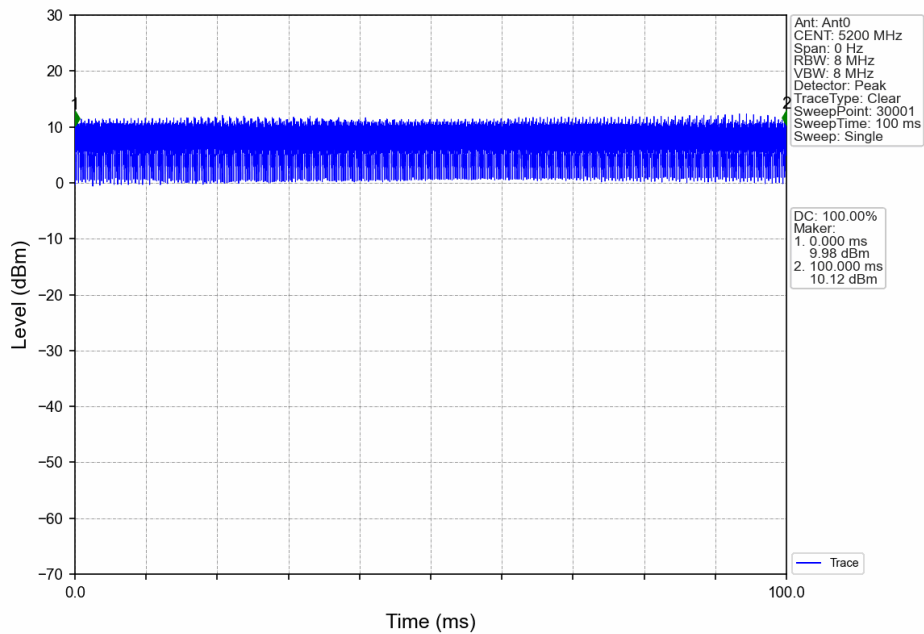
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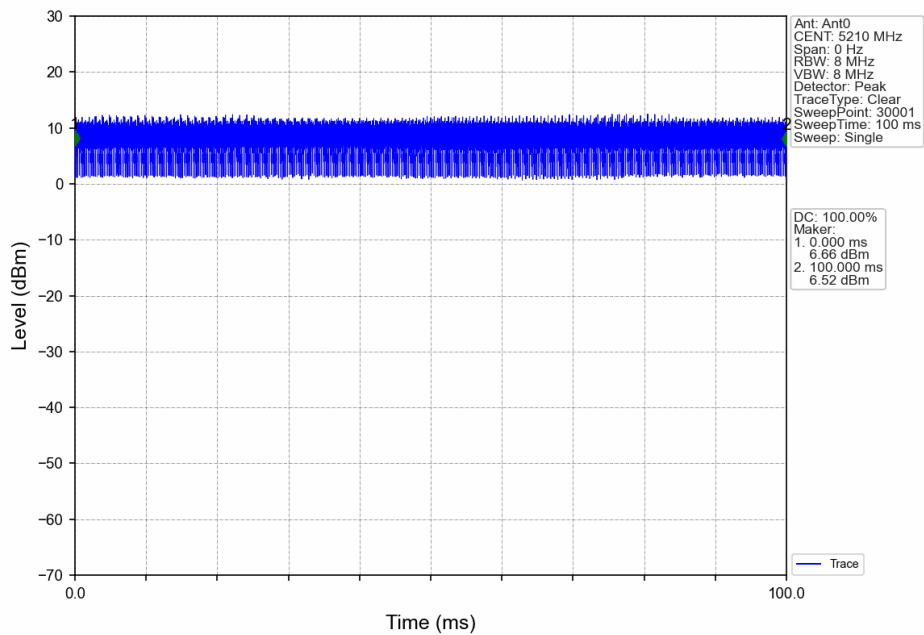
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80M_MCH_5200MHz_Ant0_NTNV



80M_HCH_5210MHz_Ant0_NTNV



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2. Bandwidth

2.1 Test Result

2.1.1 OBW

Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)		Verdict
				Result	Limit	
10M	SISO	5157	0	9.135	/	Pass
		5200	0	9.495	/	Pass
		5245	0	9.773	/	Pass
20M	SISO	5161	0	18.004	/	Pass
		5200	0	18.980	/	Pass
		5240	0	18.940	/	Pass
40M	SISO	5170	0	32.189	/	Pass
		5200	0	35.629	/	Pass
		5230	0	36.393	/	Pass
1.4M	SISO	5154	0	1.453	/	Pass
		5202	0	1.768	/	Pass
		5248	0	1.753	/	Pass
3M	SISO	5154	0	2.285	/	Pass
		5199	0	2.427	/	Pass
		5247	0	2.500	/	Pass
5M	SISO	5155	0	4.412	/	Pass
		5202	0	4.595	/	Pass
		5247	0	4.584	/	Pass
60M	SISO	5180	0	54.120	/	Pass
		5200	0	54.601	/	Pass
		5220	0	56.192	/	Pass
80M	SISO	5190	0	71.712	/	Pass
		5200	0	72.067	/	Pass
		5210	0	72.167	/	Pass



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SZEMC-TRF-01 Rev. A/1

Report No.: SZCR240600214005

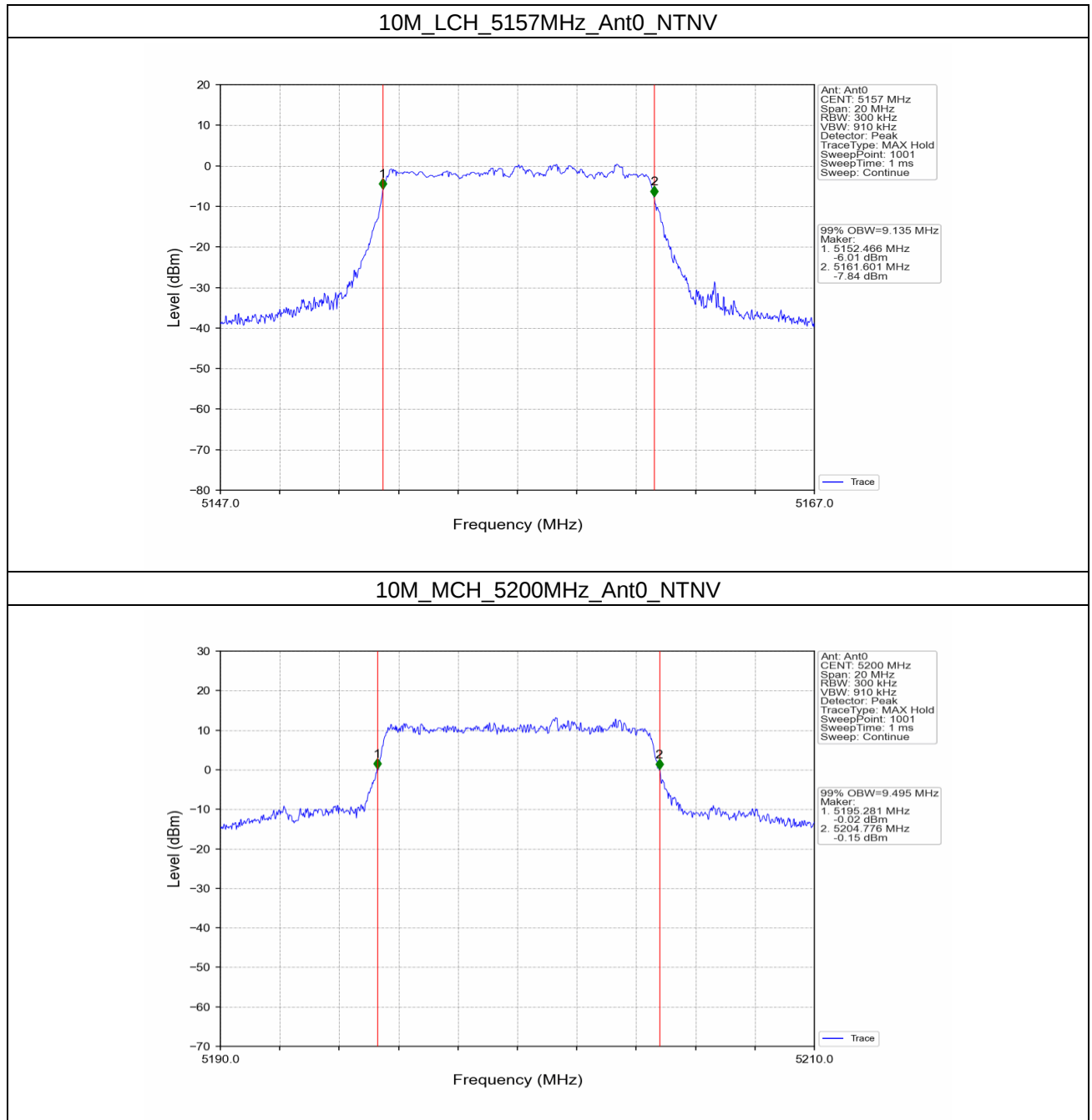
Page: 172 of 301

2.1.2 26dB BW

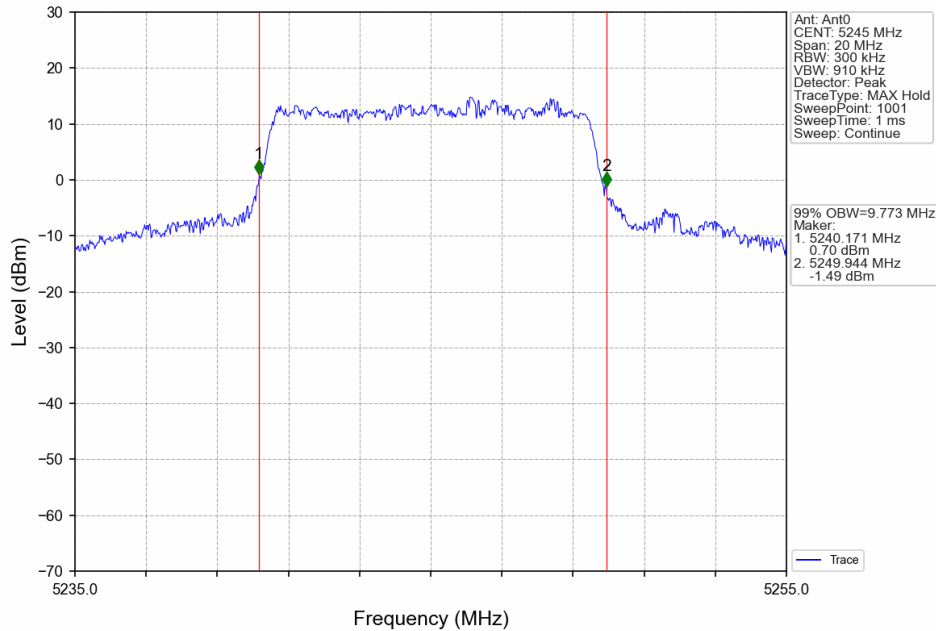
Mode	TX Type	Frequency (MHz)	ANT	26dB Bandwidth (MHz)		Verdict
				Result	Limit	
10M	SISO	5157	0	10.260	/	Pass
		5200	0	20.817	/	Pass
		5245	0	23.052	/	Pass
20M	SISO	5161	0	18.820	/	Pass
		5200	0	42.017	/	Pass
		5240	0	41.227	/	Pass
40M	SISO	5170	0	36.676	/	Pass
		5200	0	46.532	/	Pass
		5230	0	54.788	/	Pass
1.4M	SISO	5154	0	1.857	/	Pass
		5202	0	2.484	/	Pass
		5248	0	2.554	/	Pass
3M	SISO	5154	0	2.803	/	Pass
		5199	0	4.661	/	Pass
		5247	0	4.571	/	Pass
5M	SISO	5155	0	5.379	/	Pass
		5202	0	9.929	/	Pass
		5247	0	9.964	/	Pass
60M	SISO	5180	0	56.096	/	Pass
		5200	0	68.731	/	Pass
		5220	0	101.073	/	Pass
80M	SISO	5190	0	73.836	/	Pass
		5200	0	74.076	/	Pass
		5210	0	74.686	/	Pass

2.2 Test Graph

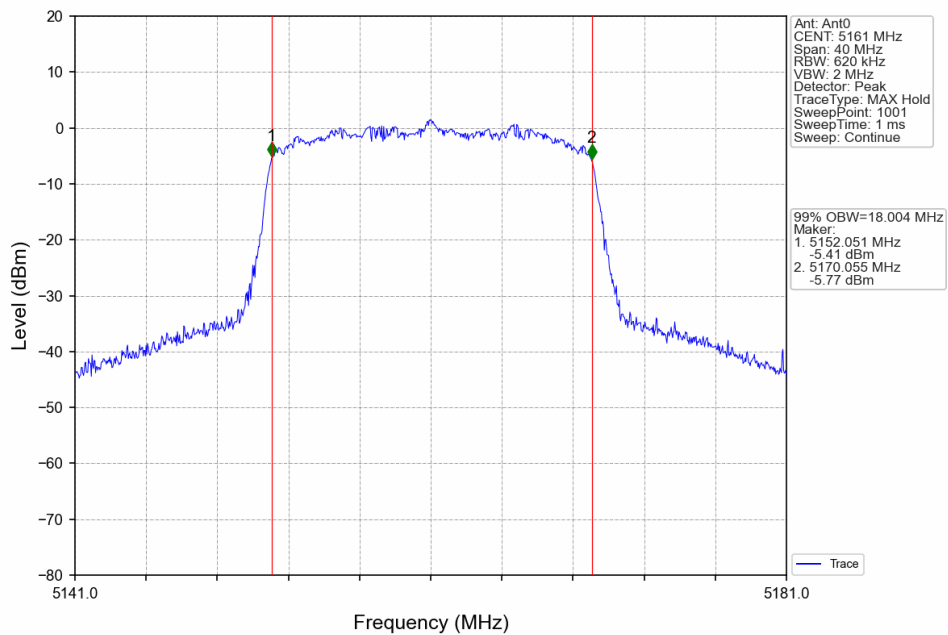
2.2.1 OBW



10M_HCH_5245MHz_Ant0_NTNV



20M_LCH_5161MHz_Ant0_NTNV



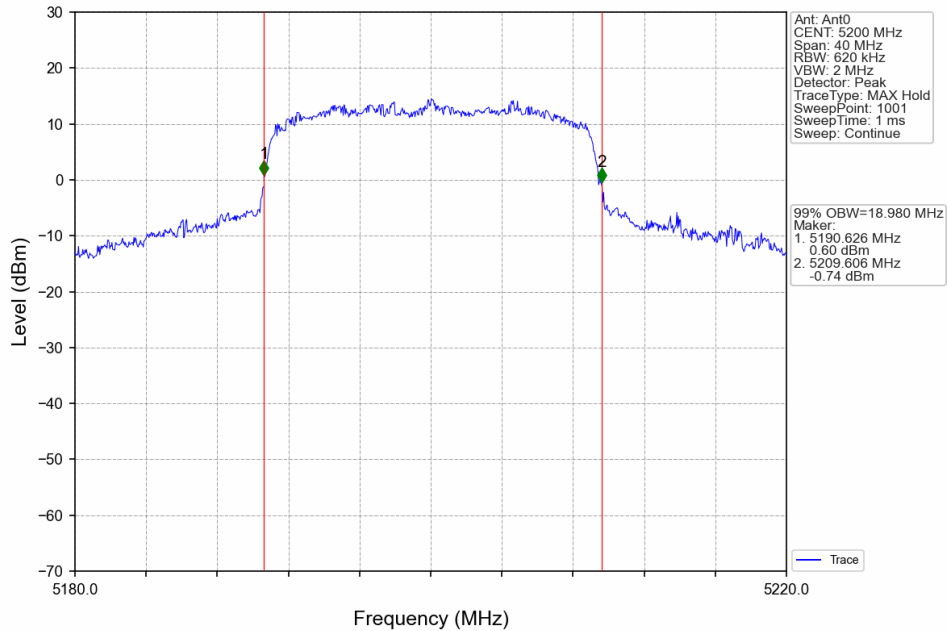
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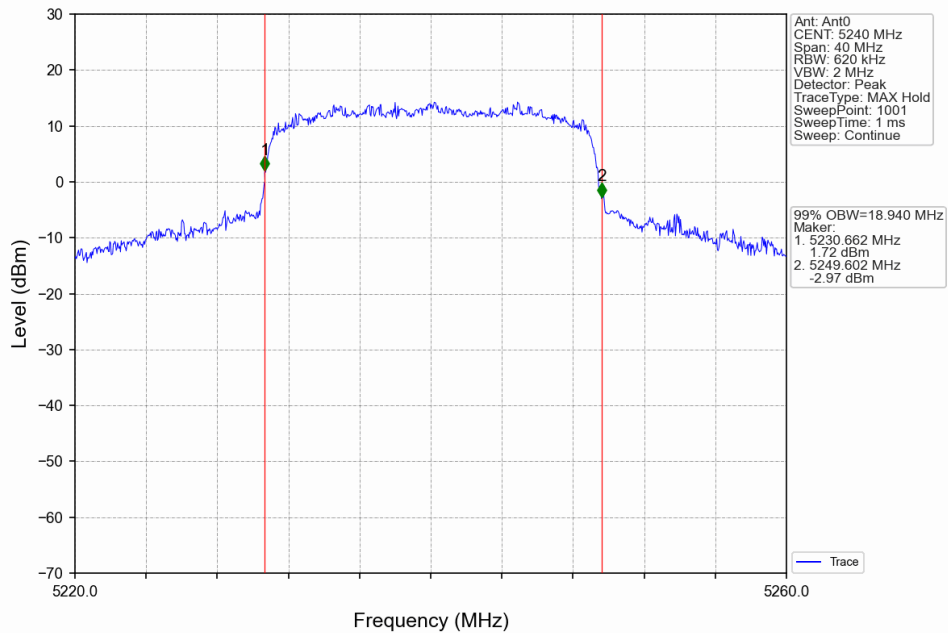
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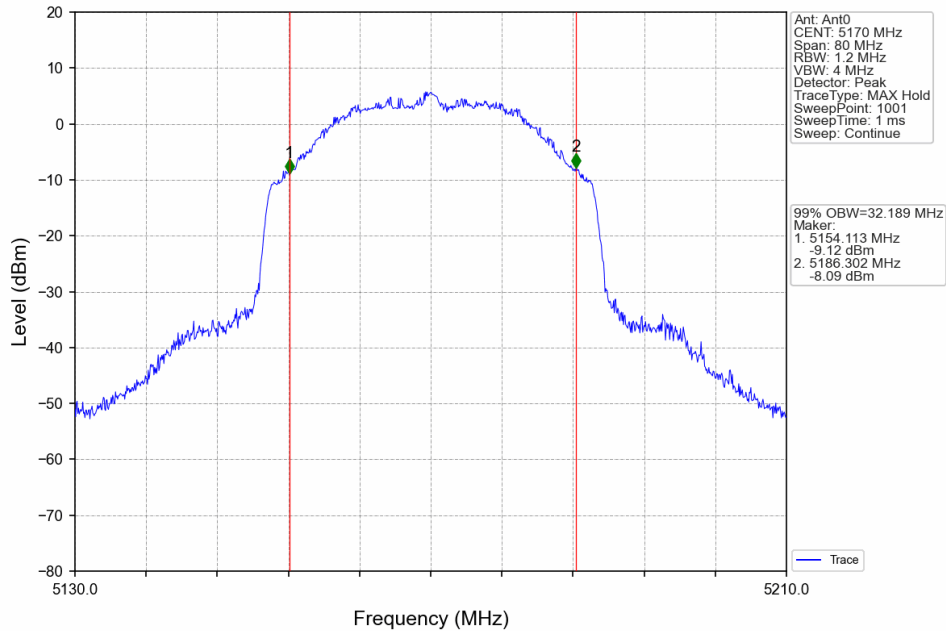
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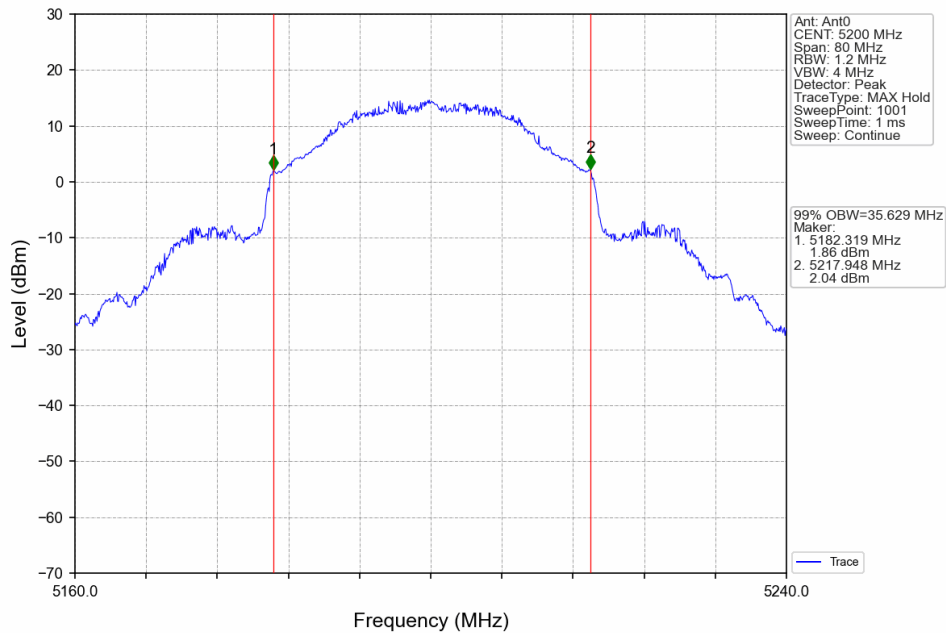
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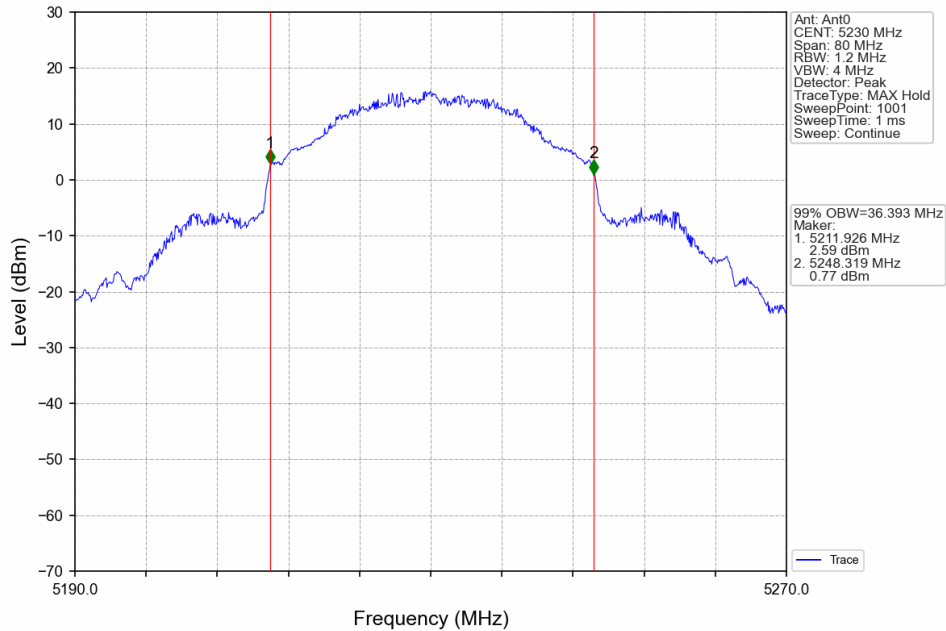
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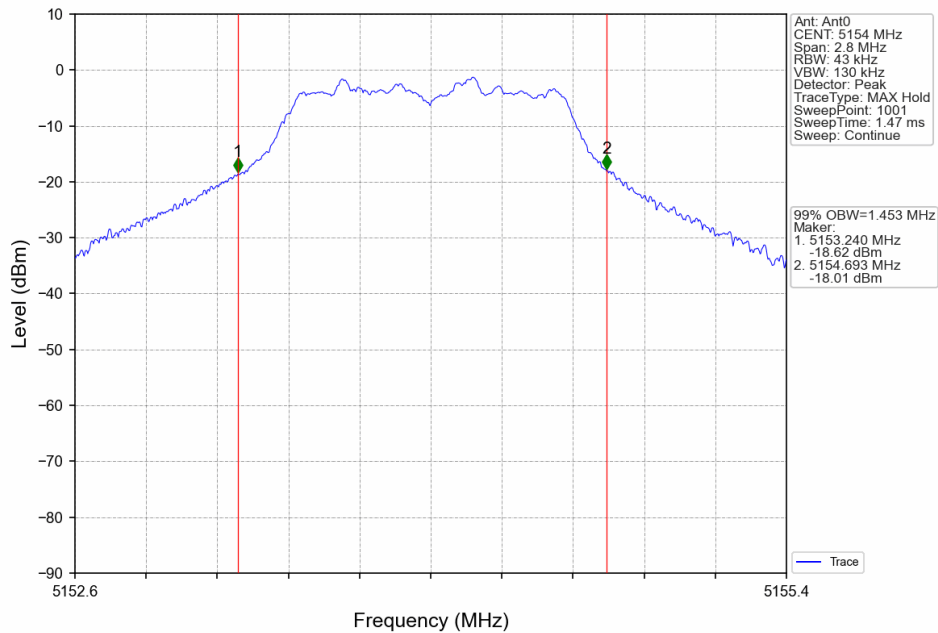
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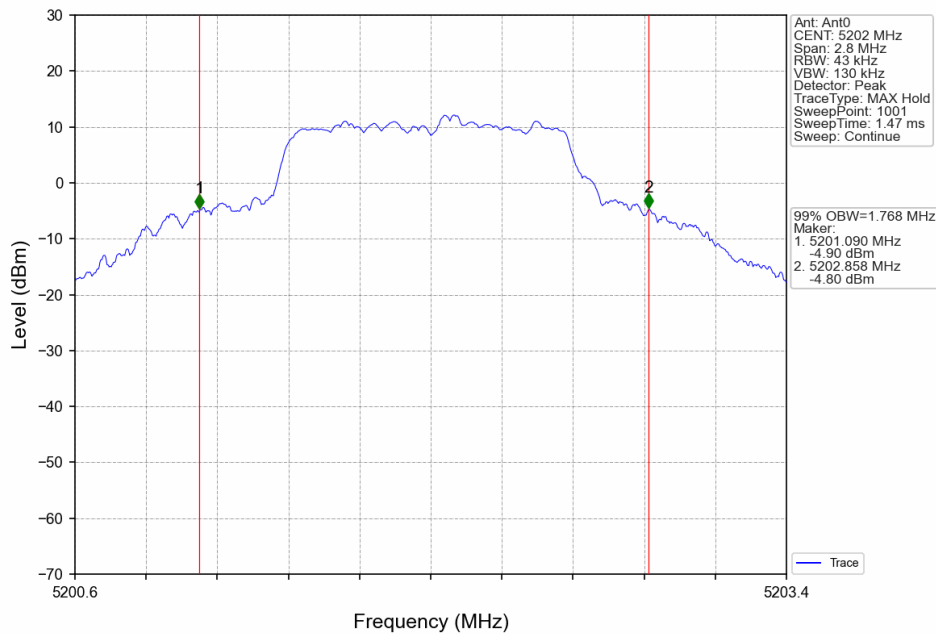
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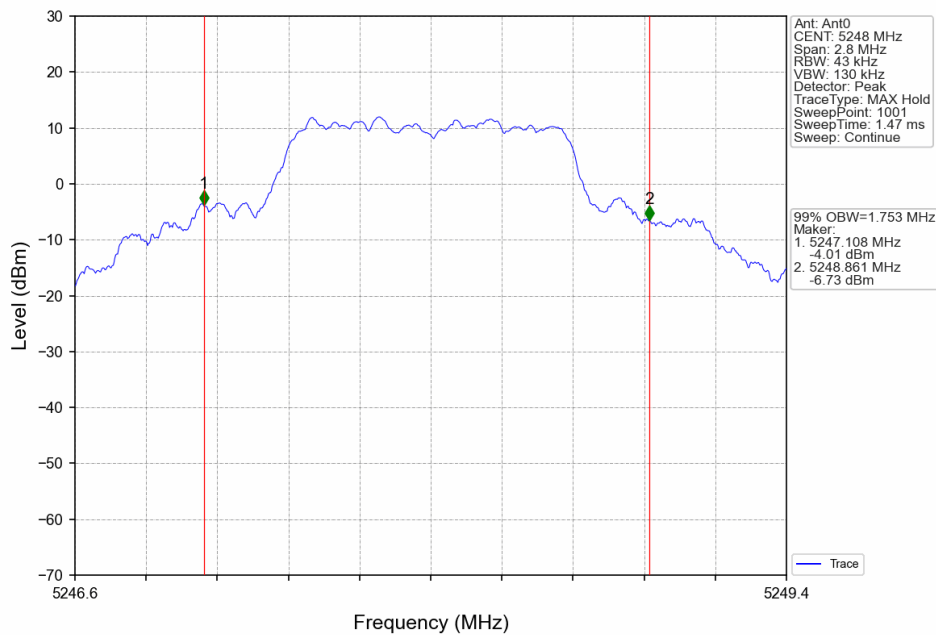
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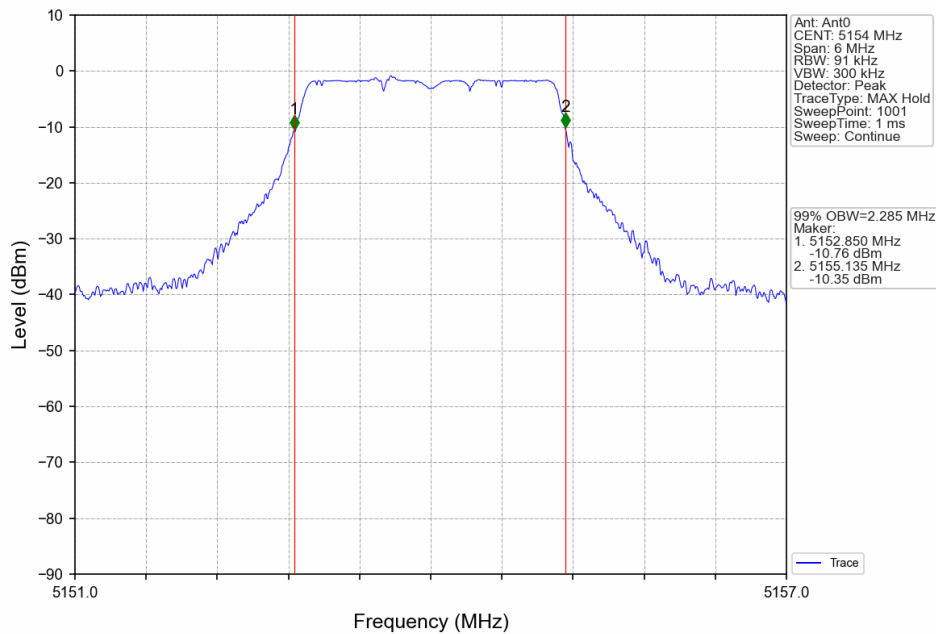
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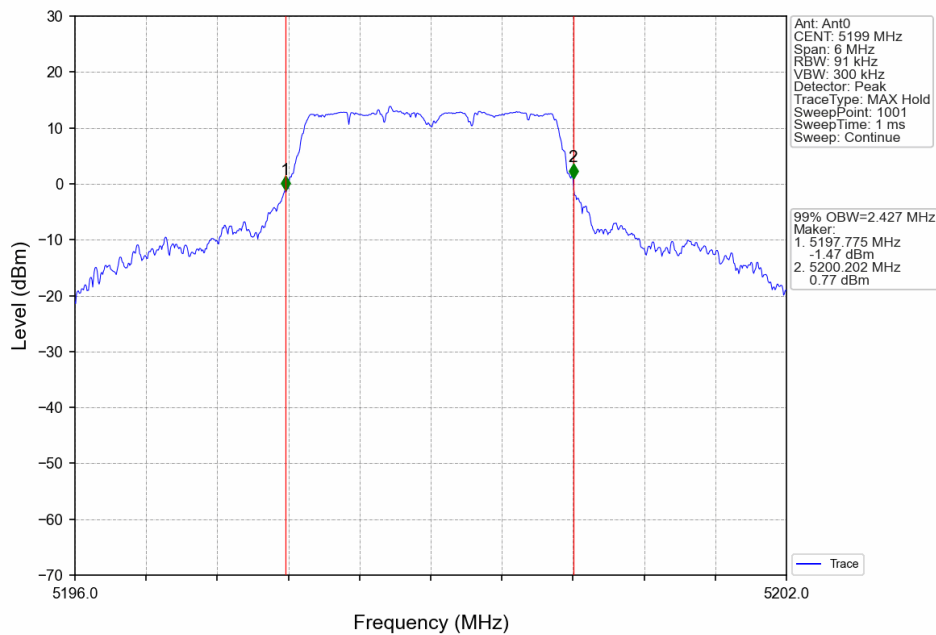
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3M_LCH_5154MHz_Ant0_NTNV



3M_MCH_5199MHz_Ant0_NTNV



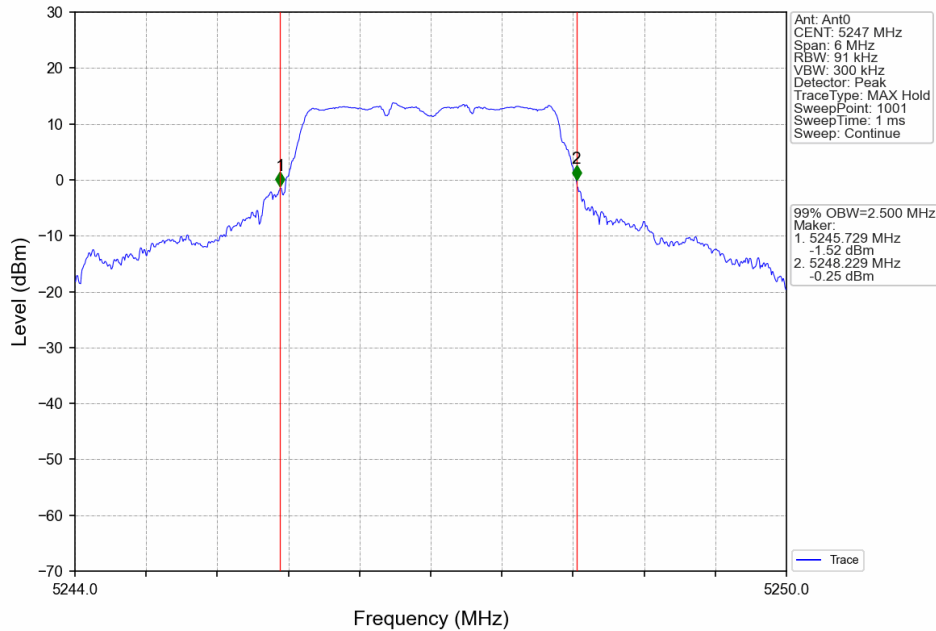
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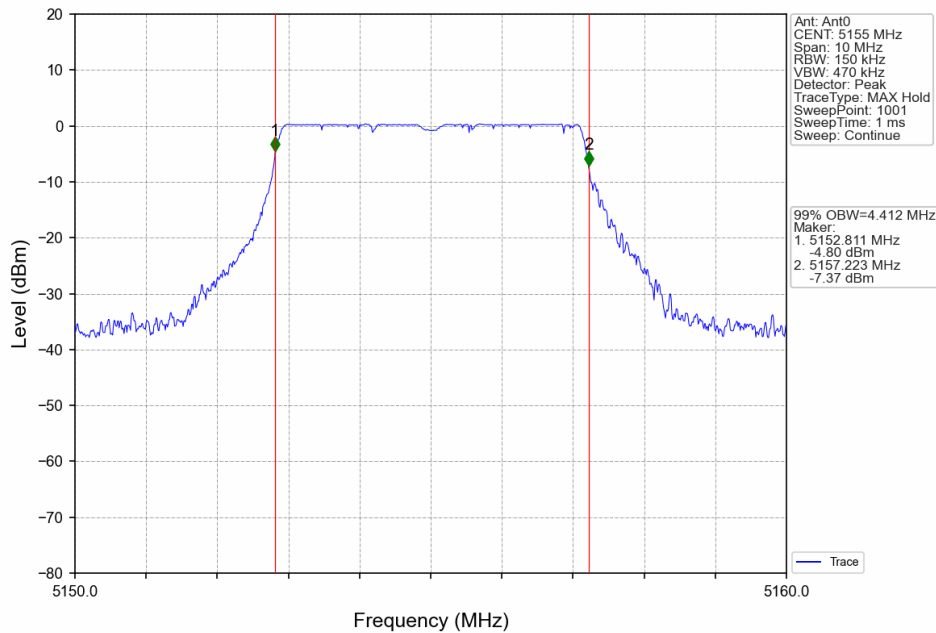
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3M_HCH_5247MHz_Ant0_NTNV



5M_LCH_5155MHz_Ant0_NTNV



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