TEST REPORT

Application No.:	SZCR2304001004AT
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-N2
Model No.:	RC151
Trade Mark:	DJI
FCC ID:	SS3-RC1512303
Standard(s) :	47 CFR Part 15, Subpart E 15.407
Date of Receipt:	2023-04-10
Date of Test:	2023-04-23 to 2023-05-28
Date of Issue:	2023-06-05
Test Result:	**Pass***

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

Keny Xu
EMC Laboratory Manager

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

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

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2 Test Summary

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

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

Remark: KDB 789033 D02 is not accredited by A2LA

3 Contents

4 General Information

4.1 Details of E.U.T.

Power supply:	Powered by Lithium-ion Rechargeable Cell Battery information Model: INR18650-26EC Nominal Voltage: 3.6V DC Capacity: 2600mAh*2
Cable(s):	USB Type-C to Type-C cable: 16cm unshielded USB Type-C to Lightning cable: 16cm unshielded
Operation Frequency:	5.1G SDR 10MHz: 5157MHz-5245MHz 20MHz: 5161MHz-5240MHz 40MHz: 5170MHz-5230MHz 5.8G SDR 1.4MHz mode A: 5728.5MHz-5844.5MHz 1.4MHz mode B: 5730.12MHz-5846.12MHz 1.4MHz mode C: 5729.69MHz-5840.69MHz 1.4MHz mode D: 5731.31MHz-5842.31MHz 3MHz mode A: 5727.5MHz-5844.5MHz 3MHz mode B: 5730.2MHz-5847.2MHz 3MHz mode C: 5730.88MHz-5840.88MHz 3MHz mode D: 5734.12MHz-5844.12MHz 5MHz mode A: 5732.5MHz-5842.5MHz 5MHz mode B: 5733.26MHz-5835.26MHz 5MHz mode C: 5739.74MHz-5841.74MHz 10MHz mode A: 5730.5MHz-5844.5MHz 10MHz mode B: 5731.75MHz-5829.75MHz 10MHz mode C: 5745.25MHz-5843.25MHz 20MHz: 5735.5MHz-5839.5MHz 40MHz: 5745.5MHz-5829.5MHz 60MHz: 5755.5MHz-5819.5MHz 80MHz: 5765.5MHz-5809.5MHz
Modulation Type:	OFDM
Channel Spacing:	5.1G SDR 10MHz: 1MHz 20MHz: 1MHz 40MHz: 1MHz 5.8G SDR 1.4MHz mode A: 2MHz

	1.4MHz mode B: 2MHz 1.4MHz mode C: 3MHz 1.4MHz mode D: 3MHz 3MHz mode A: 3MHz 3MHz mode B: 3MHz 3MHz mode C: 5MHz 3MHz mode D: 5MHz 5MHz mode A: 5MHz 5MHz mode B: 1MHz 5MHz mode C: 1MHz 10MHz mode A: 1MHz 10MHz mode B: 1MHz 10MHz mode C: 1MHz 20MHz: 1MHz 40MHz: 1MHz 60MHz: 1MHz 80MHz: 1MHz
Number of Channels:	5.1G SDR 10MHz: 89 20MHz: 80 40MHz: 61 5.8G SDR 1.4MHz mode A: 59 1.4MHz mode B: 59 1.4MHz mode C: 38 1.4MHz mode D: 38 3MHz mode A: 40 3MHz mode B: 40 3MHz mode C: 23 3MHz mode D: 23 5MHz mode A: 23 5MHz mode B: 103 5MHz mode C: 103 10MHz mode A: 115 10MHz mode B: 99 10MHz mode C: 99 20MHz: 105 40MHz: 85 60MHz: 65 80MHz: 45

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Antenna Type:	PCB Antenna
Antenna Gain:	5.1G SDR: Antenna 0&1: 1.5dBi 5.8G SDR: Antenna 0&1: 4dBi

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

4.2 Description of Support Units

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

4.3 Measurement Uncertainty

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

Remark:
The U_{lab} (lab Uncertainty) is less than $U_{cispr/ETSI}$ (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.

4.4 Test Location

All tests were performed at:

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

No. 1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China. 518057.

Tel: +86 755 2601 2053 Fax: +86 755 2671 0594

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

5 Equipment List

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

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

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

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

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

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

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

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

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

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

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

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

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6 Radio Spectrum Technical Requirement

6.1 Antenna Requirement

6.1.1 Test Requirement:

47 CFR Part 15, Subpart C 15.203

6.1.2 Conclusion

Standard Requirement:

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

EUT Antenna:

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

5.1G SDR: ANT0&1: 1.5dBi; the directional gain is:4.51dBi.

5.8G SDR: ANT0&1: 4dBi; the directional gain is:7.01dBi.

Antenna location: Refer to internal photo.

6.2 Transmission in the Absence of Data

6.2.1 Test Requirement:

47 CFR Part 15, Subpart E 15.407 (c)

6.2.2 Conclusion

Standard Requirement:

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

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

EUT Details:

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

7 Radio Spectrum Matter Test Results

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

Test Requirement 47 CFR Part 15, Subpart C 15.207 & Subpart E 15.407 b(9)
Test Method: ANSI C63.10 (2013) Section 6.2

Limit:

Frequency of emission(MHz)	Conducted limit(dBμV)	
	Quasi-peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50
*Decreases with the logarithm of the frequency.		

7.1.1 E.U.T. Operation

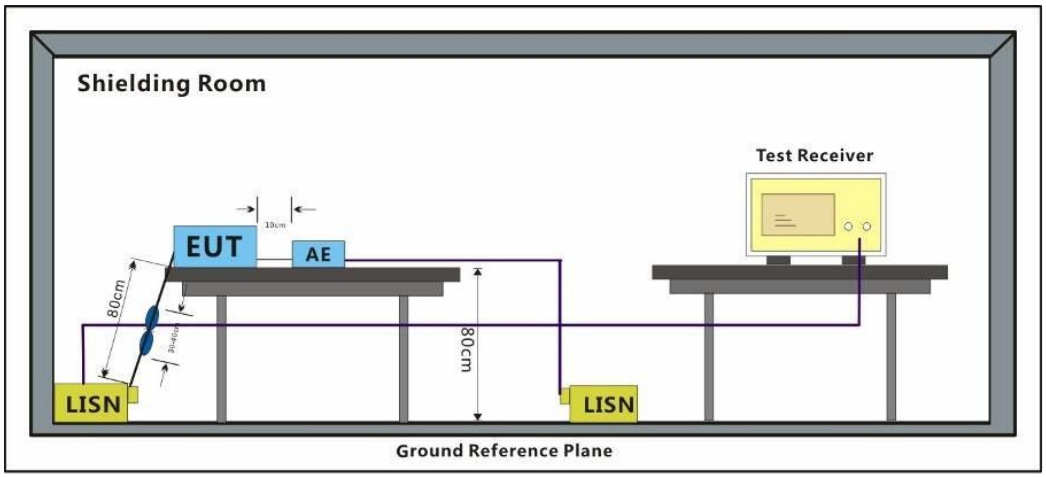
Operating Environment:
Temperature: 23.2 °C Humidity: 50.5 % RH Atmospheric Pressure: 1015 mbar

7.1.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Pre-scan	15	TX mode (5.8G SDR_1.4MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter
Pre-scan	17	TX mode (5.8G SDR_3MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter
Pre-scan	19	TX mode (5.8G SDR_5MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter
Pre-scan	21	TX mode (5.8G SDR_10MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter
Pre-scan	23	TX mode (5.8G SDR_20MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter
Pre-scan	25	TX mode (5.8G SDR_40MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter
Pre-scan	27	TX mode (5.8G SDR_60MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter
Pre-scan	29	TX mode (5.8G SDR_80MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter

Pre-scan	31	TX mode (5.1G SDR_10MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter
Final test	33	TX mode (5.1G SDR_20MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter
Pre-scan	35	TX mode (5.1G SDR_40MHz) + 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.

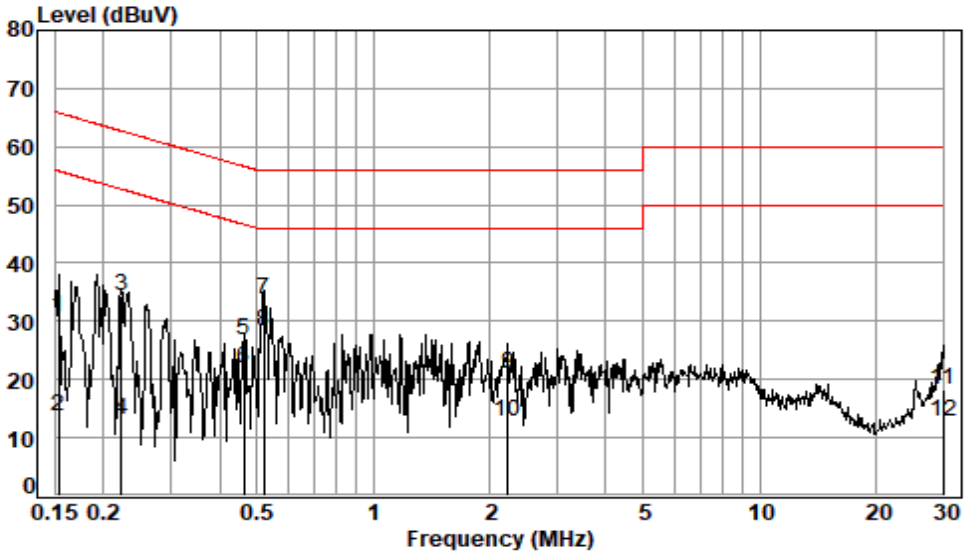
3) The tabletop EUT was placed upon a non-metallic table 0.8m above the ground reference plane. And for floor-standing arrangement, the EUT was placed on the horizontal ground reference plane,

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

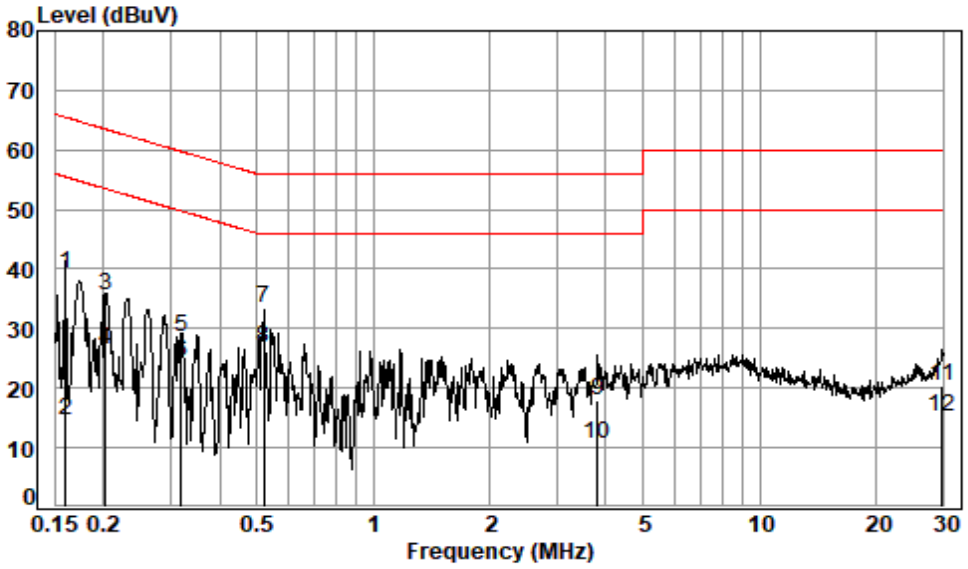
Test Mode: 33; Line: Live line



Site : Shielding Room
Condition: Line
Job No. : 01004AT
Test mode: 33

		Freq	Cable Loss	LISN Factor	Read Level	Level	Limit Line	Over Limit	Remark
		MHz	dB	dB	dBuV	dBuV	dBuV	dB	
1		0.1532	0.03	9.76	20.98	30.77	65.82	-35.05	QP
2		0.1532	0.03	9.76	3.81	13.60	55.82	-42.22	Average
3		0.2232	0.04	9.76	24.47	34.27	62.70	-28.43	QP
4		0.2232	0.04	9.76	3.29	13.09	52.70	-39.61	Average
5		0.4612	0.05	9.76	16.97	26.78	56.67	-29.89	QP
6		0.4612	0.05	9.76	12.20	22.01	46.67	-24.66	Average
7	*	0.5210	0.06	9.76	24.10	33.92	56.00	-22.08	QP
8	*	0.5210	0.06	9.76	18.48	28.30	46.00	-17.70	Average
9		2.2249	0.11	9.82	11.06	20.99	56.00	-35.01	QP
10		2.2249	0.11	9.82	2.93	12.86	46.00	-33.14	Average
11		29.8415	0.38	11.19	6.73	18.30	60.00	-41.70	QP
12		29.8415	0.38	11.19	1.33	12.90	50.00	-37.10	Average

Test Mode: 33; Line: Neutral Line



Site : Shielding Room
Condition: Neutral
Job No. : 01004AT
Test mode: 33

		Freq	Cable Loss	LISN Factor	Read Level	Level	Limit Line	Over Limit	Remark
		MHz	dB	dB	dBuV	dBuV	dBuV	dB	
1		0.1598	0.03	9.73	29.38	39.14	65.47	-26.33	QP
2		0.1598	0.03	9.73	4.84	14.60	55.47	-40.87	Average
3		0.2029	0.04	9.73	25.89	35.66	63.49	-27.83	QP
4		0.2029	0.04	9.73	16.77	26.54	53.49	-26.95	Average
5		0.3183	0.05	9.73	18.90	28.68	59.75	-31.07	QP
6		0.3183	0.05	9.73	14.67	24.45	49.75	-25.30	Average
7	*	0.5210	0.06	9.74	23.57	33.37	56.00	-22.63	QP
8	*	0.5210	0.06	9.74	16.90	26.70	46.00	-19.30	Average
9		3.7994	0.14	9.86	7.91	17.91	56.00	-38.09	QP
10		3.7994	0.14	9.86	0.52	10.52	46.00	-35.48	Average
11		29.6838	0.38	10.79	9.30	20.47	60.00	-39.53	QP
12		29.6838	0.38	10.79	4.15	15.32	50.00	-34.68	Average

7.2 Duty Cycle

Test Requirement KDB 789033 D02 II B 1
Test Method: KDB 789033 II B 1

7.2.1 E.U.T. Operation

Operating Environment:
Temperature: 28.7 °C Humidity: 45.5 % RH Atmospheric Pressure: 1015 mbar

7.2.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	14	TX mode (5.8G SDR_1.4MHz)_Keep the EUT in transmitting mode
Final test	16	TX mode (5.8G SDR_3MHz)_Keep the EUT in transmitting mode
Final test	18	TX mode (5.8G SDR_5MHz)_Keep the EUT in transmitting mode
Final test	20	TX mode (5.8G SDR_10MHz)_Keep the EUT in transmitting mode
Final test	22	TX mode (5.8G SDR_20MHz)_Keep the EUT in transmitting mode
Final test	24	TX mode (5.8G SDR_40MHz)_Keep the EUT in transmitting mode
Final test	26	TX mode (5.8G SDR_60MHz)_Keep the EUT in transmitting mode
Final test	28	TX mode (5.8G SDR_80MHz)_Keep the EUT in transmitting mode
Final test	30	TX mode (5.1G SDR_10MHz)_Keep the EUT in transmitting mode
Final test	32	TX mode (5.1G SDR_20MHz)_Keep the EUT in transmitting mode
Final test	34	TX mode (5.1G SDR_40MHz)_Keep the EUT in transmitting mode

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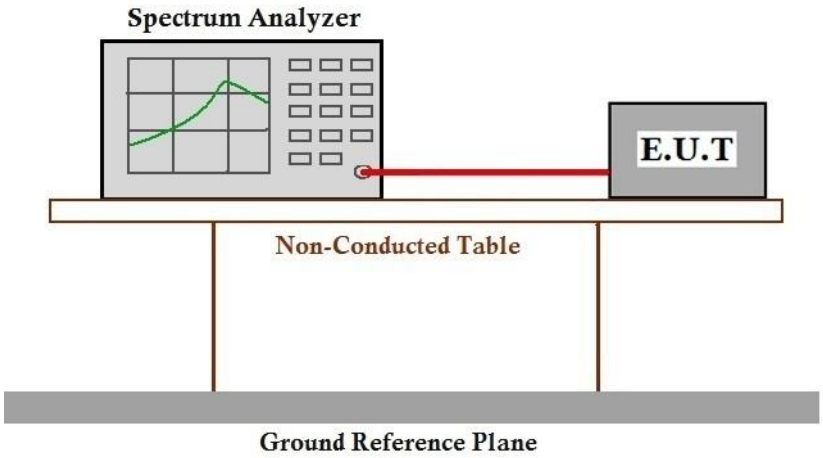
7.2.3 Test Setup Diagram



7.2.4 Measurement Procedure and Data

Please Refer to Appendix for Details

7.3 99% Bandwidth

Test Requirement N/A

Test Method: KDB 789033 II D

7.3.1 E.U.T. Operation

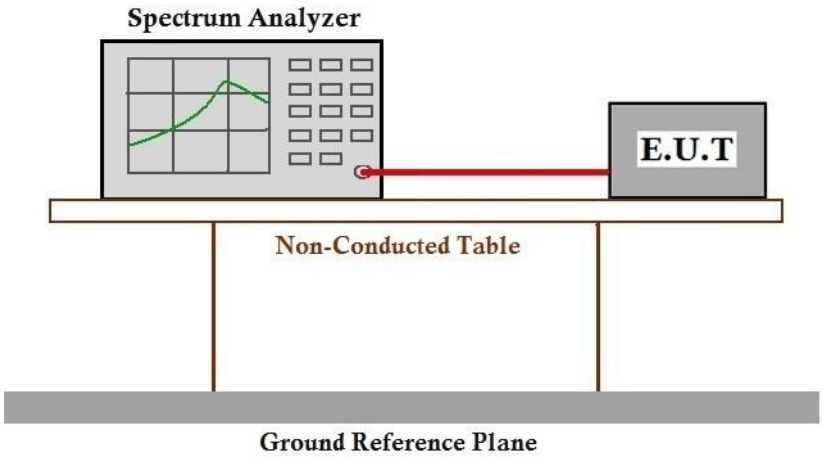
Operating Environment:

Temperature: 28.7 °C Humidity: 45.5 % RH Atmospheric Pressure: 1015 mbar

7.3.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	14	TX mode (5.8G SDR_1.4MHz)_Keep the EUT in transmitting mode
Final test	16	TX mode (5.8G SDR_3MHz)_Keep the EUT in transmitting mode
Final test	18	TX mode (5.8G SDR_5MHz)_Keep the EUT in transmitting mode
Final test	20	TX mode (5.8G SDR_10MHz)_Keep the EUT in transmitting mode
Final test	22	TX mode (5.8G SDR_20MHz)_Keep the EUT in transmitting mode
Final test	24	TX mode (5.8G SDR_40MHz)_Keep the EUT in transmitting mode
Final test	26	TX mode (5.8G SDR_60MHz)_Keep the EUT in transmitting mode
Final test	28	TX mode (5.8G SDR_80MHz)_Keep the EUT in transmitting mode
Final test	30	TX mode (5.1G SDR_10MHz)_Keep the EUT in transmitting mode
Final test	32	TX mode (5.1G SDR_20MHz)_Keep the EUT in transmitting mode
Final test	34	TX mode (5.1G SDR_40MHz)_Keep the EUT in transmitting mode

7.3.3 Test Setup Diagram



7.3.4 Measurement Procedure and Data

Please Refer to Appendix for Details

7.4 26dB Emission bandwidth

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

Test Method: KDB 789033 D02 II C 1

7.4.1 E.U.T. Operation

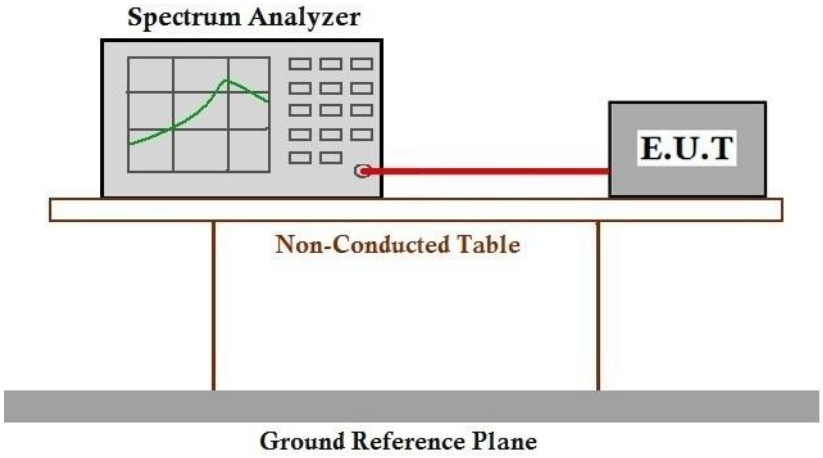
Operating Environment:

Temperature: 28.7 °C Humidity: 45.5 % RH Atmospheric Pressure: 1015 mbar

7.4.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	30	TX mode (5.1G SDR_10MHz)_Keep the EUT in transmitting mode
Final test	32	TX mode (5.1G SDR_20MHz)_Keep the EUT in transmitting mode
Final test	34	TX mode (5.1G SDR_40MHz)_Keep the EUT in transmitting mode

7.4.3 Test Setup Diagram



7.4.4 Measurement Procedure and Data

Please Refer to Appendix for Details

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

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

Test Method: KDB 789033 D02 II C 2

Limit:

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

7.5.1 E.U.T. Operation

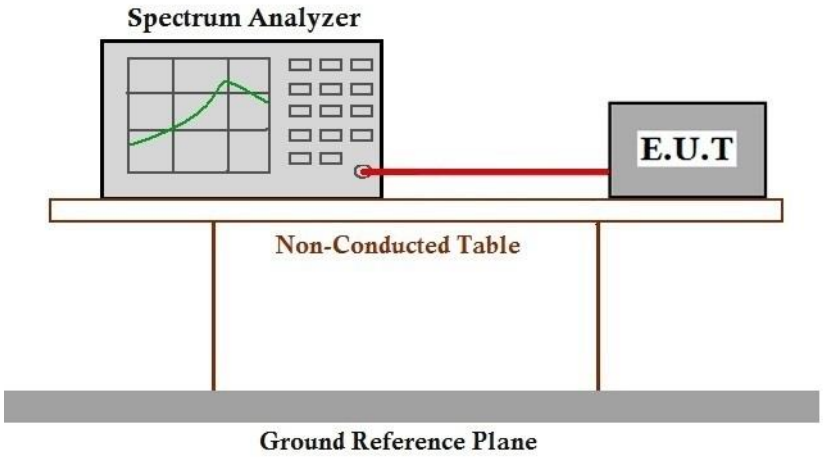
Operating Environment:

Temperature: 28.7 °C Humidity: 45.5 % RH Atmospheric Pressure: 1015 mbar

7.5.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	14	TX mode (5.8G SDR_1.4MHz)_Keep the EUT in transmitting mode
Final test	16	TX mode (5.8G SDR_3MHz)_Keep the EUT in transmitting mode
Final test	18	TX mode (5.8G SDR_5MHz)_Keep the EUT in transmitting mode
Final test	20	TX mode (5.8G SDR_10MHz)_Keep the EUT in transmitting mode
Final test	22	TX mode (5.8G SDR_20MHz)_Keep the EUT in transmitting mode
Final test	24	TX mode (5.8G SDR_40MHz)_Keep the EUT in transmitting mode
Final test	26	TX mode (5.8G SDR_60MHz)_Keep the EUT in transmitting mode
Final test	28	TX mode (5.8G SDR_80MHz)_Keep the EUT in transmitting mode

7.5.3 Test Setup Diagram



7.5.4 Measurement Procedure and Data

Please Refer to Appendix for Details

7.6 Maximum Conducted output power

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

Test Method: KDB 789033 D02 II E

Limit:

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

7.6.1 E.U.T. Operation

Operating Environment:

Temperature: 28.7 °C Humidity: 45.5 % RH Atmospheric Pressure: 1015 mbar

7.6.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	14	TX mode (5.8G SDR_1.4MHz)_Keep the EUT in transmitting mode
Final test	16	TX mode (5.8G SDR_3MHz)_Keep the EUT in transmitting mode
Final test	18	TX mode (5.8G SDR_5MHz)_Keep the EUT in transmitting mode
Final test	20	TX mode (5.8G SDR_10MHz)_Keep the EUT in transmitting mode
Final test	22	TX mode (5.8G SDR_20MHz)_Keep the EUT in transmitting mode
Final test	24	TX mode (5.8G SDR_40MHz)_Keep the EUT in transmitting mode
Final test	26	TX mode (5.8G SDR_60MHz)_Keep the EUT in transmitting mode
Final test	28	TX mode (5.8G SDR_80MHz)_Keep the EUT in transmitting mode
Final test	30	TX mode (5.1G SDR_10MHz)_Keep the EUT in transmitting mode
Final test	32	TX mode (5.1G SDR_20MHz)_Keep the EUT in transmitting mode
Final test	34	TX mode (5.1G SDR_40MHz)_Keep the EUT in transmitting mode

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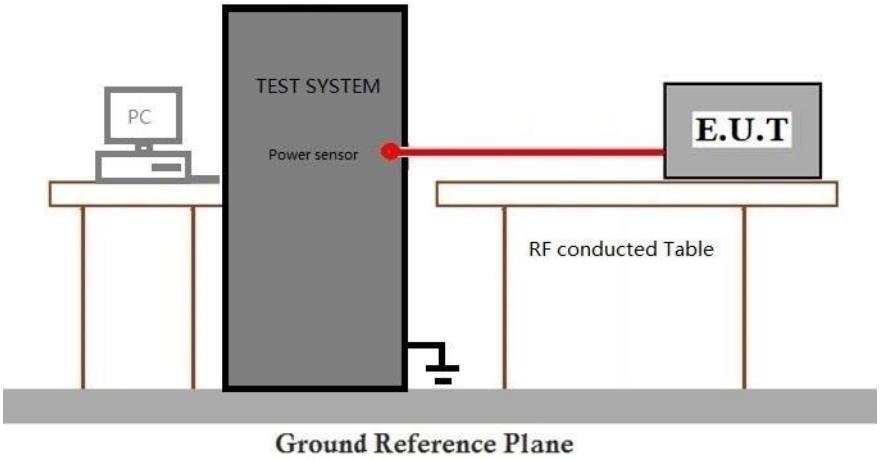
7.6.3 Test Setup Diagram



7.6.4 Measurement Procedure and Data

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

Please Refer to Appendix for Details

7.7 Peak Power spectrum density

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

Test Method: KDB 789033 D02 II F

Limit:

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

7.7.1 E.U.T. Operation

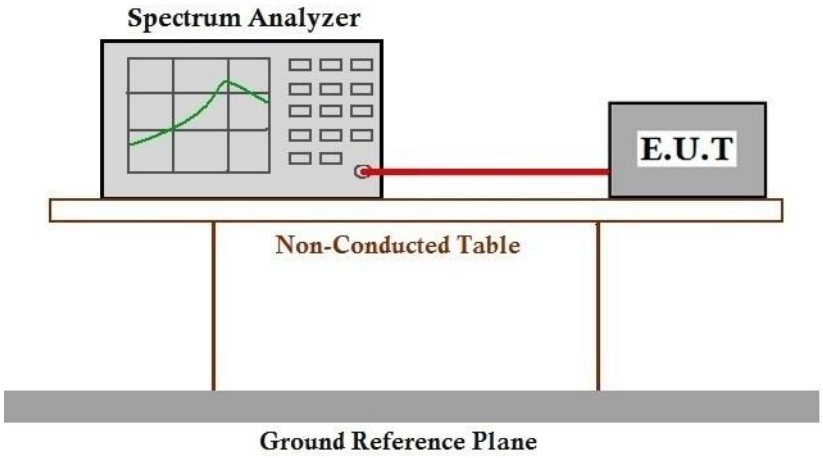
Operating Environment:

Temperature: 28.7 °C Humidity: 45.5 % RH Atmospheric Pressure: 1015 mbar

7.7.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	14	TX mode (5.8G SDR_1.4MHz)_Keep the EUT in transmitting mode
Final test	16	TX mode (5.8G SDR_3MHz)_Keep the EUT in transmitting mode
Final test	18	TX mode (5.8G SDR_5MHz)_Keep the EUT in transmitting mode
Final test	20	TX mode (5.8G SDR_10MHz)_Keep the EUT in transmitting mode
Final test	22	TX mode (5.8G SDR_20MHz)_Keep the EUT in transmitting mode
Final test	24	TX mode (5.8G SDR_40MHz)_Keep the EUT in transmitting mode
Final test	26	TX mode (5.8G SDR_60MHz)_Keep the EUT in transmitting mode
Final test	28	TX mode (5.8G SDR_80MHz)_Keep the EUT in transmitting mode
Final test	30	TX mode (5.1G SDR_10MHz)_Keep the EUT in transmitting mode
Final test	32	TX mode (5.1G SDR_20MHz)_Keep the EUT in transmitting mode
Final test	34	TX mode (5.1G SDR_40MHz)_Keep the EUT in transmitting mode

7.7.3 Test Setup Diagram



7.7.4 Measurement Procedure and Data

Please Refer to Appendix for Details

7.8 Radiated Emissions (Below 1GHz)

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

Test Method: KDB 789033 D02 II G

Limit:

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

7.8.1 E.U.T. Operation

Operating Environment:

Temperature: 23.2 °C Humidity: 50.5 % RH Atmospheric Pressure: 1015 mbar

7.8.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Pre-scan	14	TX mode (5.8G SDR_1.4MHz)_Keep the EUT in transmitting mode
Pre-scan	15	TX mode (5.8G SDR_1.4MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter
Pre-scan	16	TX mode (5.8G SDR_3MHz)_Keep the EUT in transmitting mode
Pre-scan	17	TX mode (5.8G SDR_3MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter
Pre-scan	18	TX mode (5.8G SDR_5MHz)_Keep the EUT in transmitting mode
Pre-scan	19	TX mode (5.8G SDR_5MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter
Pre-scan	20	TX mode (5.8G SDR_10MHz)_Keep the EUT in transmitting mode
Pre-scan	21	TX mode (5.8G SDR_10MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter
Pre-scan	22	TX mode (5.8G SDR_20MHz)_Keep the EUT in transmitting mode
Pre-scan	23	TX mode (5.8G SDR_20MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter
Pre-scan	24	TX mode (5.8G SDR_40MHz)_Keep the EUT in transmitting mode

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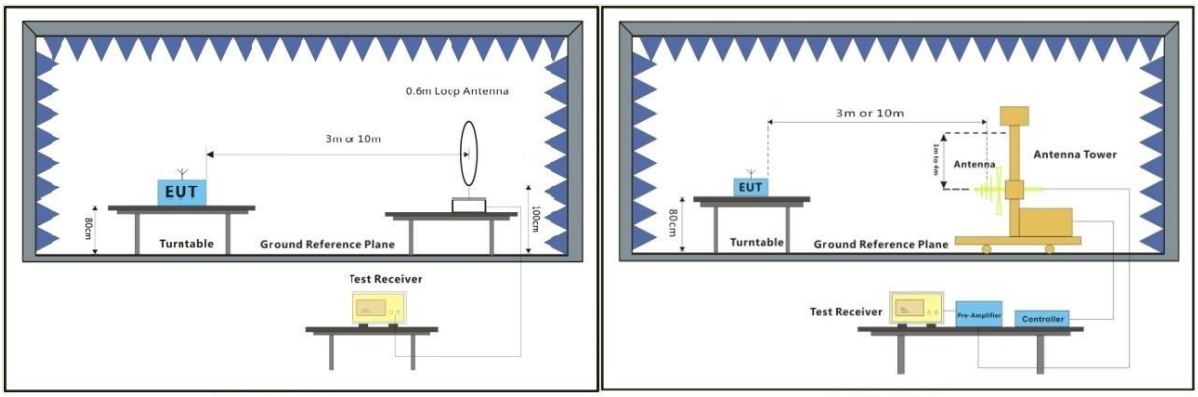
Pre-scan	25	TX mode (5.8G SDR_40MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter
Pre-scan	26	TX mode (5.8G SDR_60MHz)_Keep the EUT in transmitting mode
Pre-scan	27	TX mode (5.8G SDR_60MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter
Pre-scan	28	TX mode (5.8G SDR_80MHz)_Keep the EUT in transmitting mode
Pre-scan	29	TX mode (5.8G SDR_80MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter
Pre-scan	30	TX mode (5.1G SDR_10MHz)_Keep the EUT in transmitting mode
Pre-scan	31	TX mode (5.1G SDR_10MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter
Pre-scan	32	TX mode (5.1G SDR_20MHz)_Keep the EUT in transmitting mode
Final test	33	TX mode (5.1G SDR_20MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter
Pre-scan	34	TX mode (5.1G SDR_40MHz)_Keep the EUT in transmitting mode
Pre-scan	35	TX mode (5.1G SDR_40MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter

7.8.3 Test Setup Diagram



Below 30MHz　　30MHz-1GHz

7.8.4 Measurement Procedure and Data

a. For below 1GHz, the EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.

b. The EUT was set 3 or 10 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.

c. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.

d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.

e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.

f. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using quasi-peak method as specified and then reported in a data sheet.

g. Test the EUT in the lowest channel, the middle channel, the Highest channel.

h. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case.

i. Repeat above procedures until all frequencies measured was complete.

Remark:

1. Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor

2. For emission below 1GHz, through the pre-scan found the worst case is the 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.

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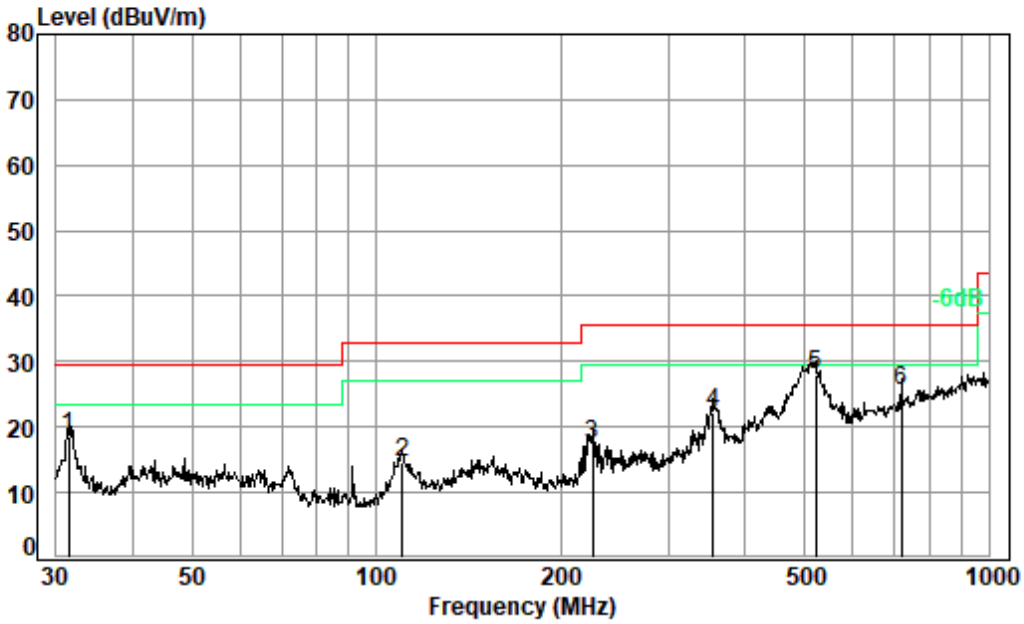
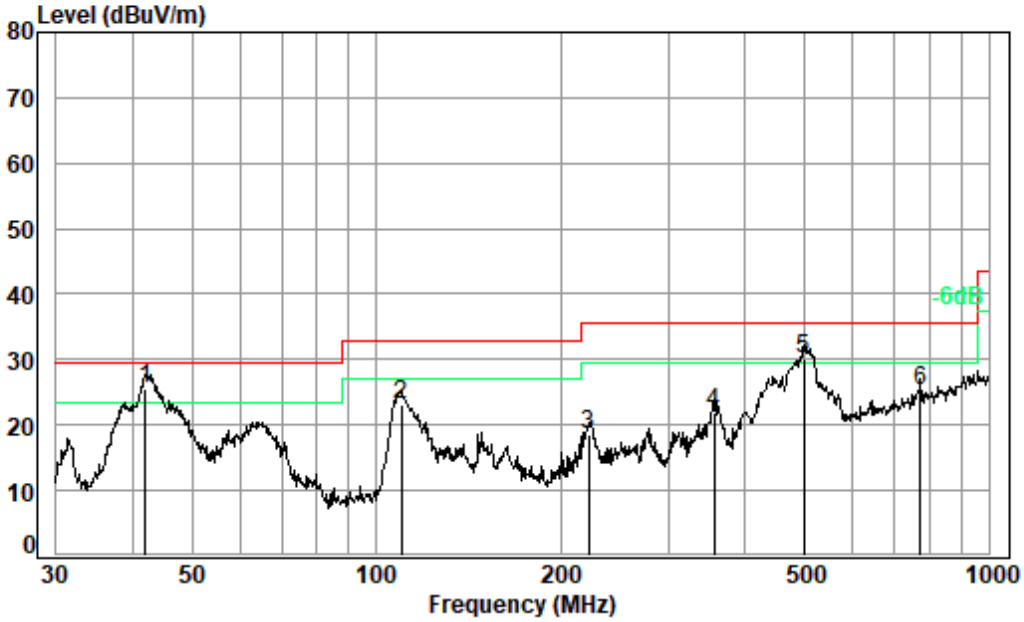
Test Mode: 33; Polarity: Horizontal; Modulation: OFDM; Channel: Middle



Condition: 10m HORIZONTAL
Job No. : 01004AT
Test Mode: 33

	Freq	Read Level	Ant Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	31.510	33.94	16.28	0.67	32.46	18.43	29.50	-11.07	QP
2	110.182	31.52	14.47	0.87	32.40	14.46	33.00	-18.54	QP
3	225.308	33.02	15.50	1.25	32.40	17.37	35.60	-18.23	QP
4	354.183	34.34	18.82	1.53	32.40	22.29	35.60	-13.31	QP
5 pp	520.888	36.30	22.37	1.90	32.50	28.07	35.60	-7.53	QP
6	719.200	30.32	25.40	2.24	32.46	25.50	35.60	-10.10	QP

Test Mode: 33; Polarity: Vertical; Modulation: OFDM; Channel: Middle



Condition: 10m VERTICAL
Job No. : 01004AT
Test Mode: 33

	Freq	Read Level	Ant Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1 pp	42.007	40.22	17.22	0.60	32.43	25.61	29.50	-3.89	QP
2	109.796	40.30	14.46	0.87	32.40	23.23	33.00	-9.77	QP
3	222.170	34.22	15.41	1.25	32.40	18.48	35.60	-17.12	QP
4	356.676	33.99	18.90	1.53	32.40	22.02	35.60	-13.58	QP
5	499.425	38.89	21.93	1.86	32.50	30.18	35.60	-5.42	QP
6	774.158	29.16	26.01	2.29	32.35	25.11	35.60	-10.49	QP

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

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

Note:

L_3: Level @ 3m distance. Unit: uV/m;

L_{10}: Level @ 10m distance. Unit: uV/m;

D_3: 3m distance. Unit: m

D_{10}: 10m distance. Unit: m

The level at 3m test distance is below:

Frequency (MHz)	Level @ 10m (dBuV/m)	Level @ 10m (uV/m)	Level @ 3m (uV/m)	Level @ 3m (dBuV/m)	Limit @ 3m (dBuV/m)	Margin (dB)	Ant. Polarization
31.510	18.43	8.35	27.82	28.89	40	-11.11	H
110.182	14.46	5.28	17.61	24.92	43.5	-18.58	H
225.308	17.37	7.39	24.63	27.83	46	-18.17	H
354.183	22.29	13.02	43.39	32.75	46	-13.25	H
520.888	28.07	25.32	84.41	38.53	46	-7.47	H
719.200	25.50	18.84	62.79	35.96	46	-10.04	H
42.007	25.61	19.08	63.59	36.07	40	-3.93	V
109.796	23.23	14.50	48.35	33.69	43.5	-9.81	V
222.170	18.48	8.39	27.98	28.94	46	-17.06	V
356.676	22.02	12.62	42.06	32.48	46	-13.52	V
499.425	30.18	32.28	107.62	40.64	46	-5.36	V
774.158	25.11	18.01	60.03	35.57	46	-10.43	V

7.9 Radiated Emissions which fall in the restricted bands

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

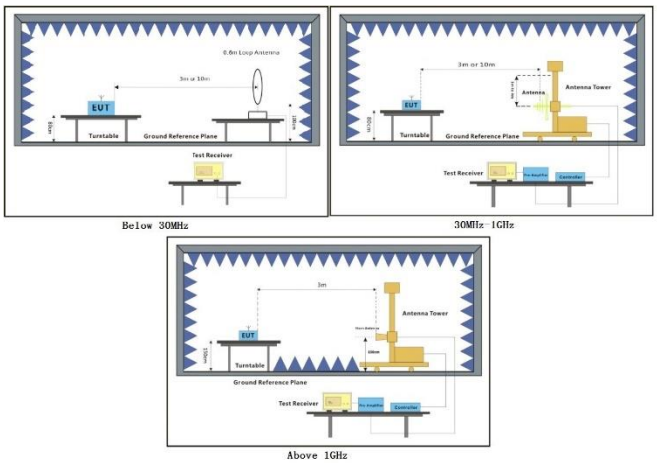
7.9.1 E.U.T. Operation

Operating Environment:
Temperature: 20.3 °C Humidity: 60.4 % RH Atmospheric Pressure: 1010 mbar

7.9.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Pre-scan	14	TX mode (5.8G SDR_1.4MHz)_Keep the EUT in transmitting mode
Final test	15	TX mode (5.8G SDR_1.4MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter
Pre-scan	16	TX mode (5.8G SDR_3MHz)_Keep the EUT in transmitting mode
Final test	17	TX mode (5.8G SDR_3MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter
Pre-scan	18	TX mode (5.8G SDR_5MHz)_Keep the EUT in transmitting mode
Final test	19	TX mode (5.8G SDR_5MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter
Pre-scan	20	TX mode (5.8G SDR_10MHz)_Keep the EUT in transmitting mode
Final test	21	TX mode (5.8G SDR_10MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter
Pre-scan	22	TX mode (5.8G SDR_20MHz)_Keep the EUT in transmitting mode
Final test	23	TX mode (5.8G SDR_20MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter
Pre-scan	24	TX mode (5.8G SDR_40MHz)_Keep the EUT in transmitting mode
Final test	25	TX mode (5.8G SDR_40MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter
Pre-scan	26	TX mode (5.8G SDR_60MHz)_Keep the EUT in transmitting mode
Final test	27	TX mode (5.8G SDR_60MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter
Pre-scan	28	TX mode (5.8G SDR_80MHz)_Keep the EUT in transmitting mode
Final test	29	TX mode (5.8G SDR_80MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter
Pre-scan	30	TX mode (5.1G SDR_10MHz)_Keep the EUT in transmitting mode
Final test	31	TX mode (5.1G SDR_10MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter
Pre-scan	32	TX mode (5.1G SDR_20MHz)_Keep the EUT in transmitting mode
Final test	33	TX mode (5.1G SDR_20MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter
Pre-scan	34	TX mode (5.1G SDR_40MHz)_Keep the EUT in transmitting mode
Final test	35	TX mode (5.1G SDR_40MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter

7.9.3 Test Setup Diagram



7.9.4 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.

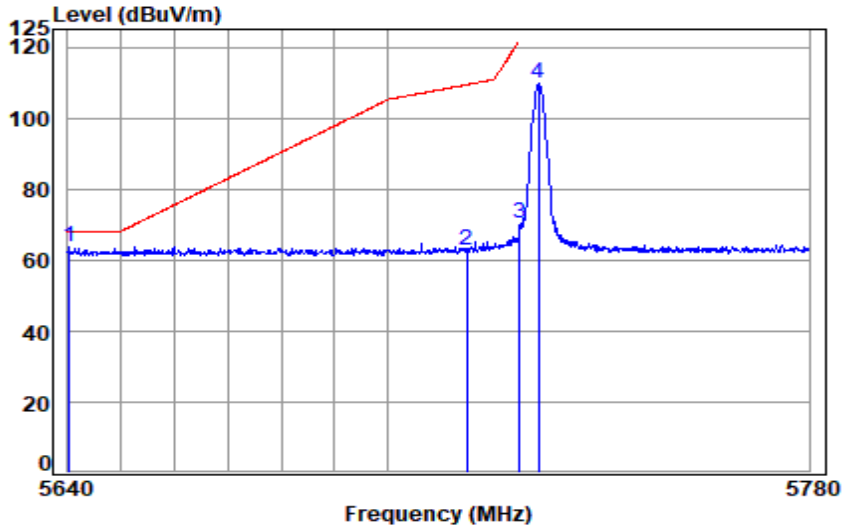
h. Test the EUT in the lowest channel, the middle channel, the Highest channel.

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

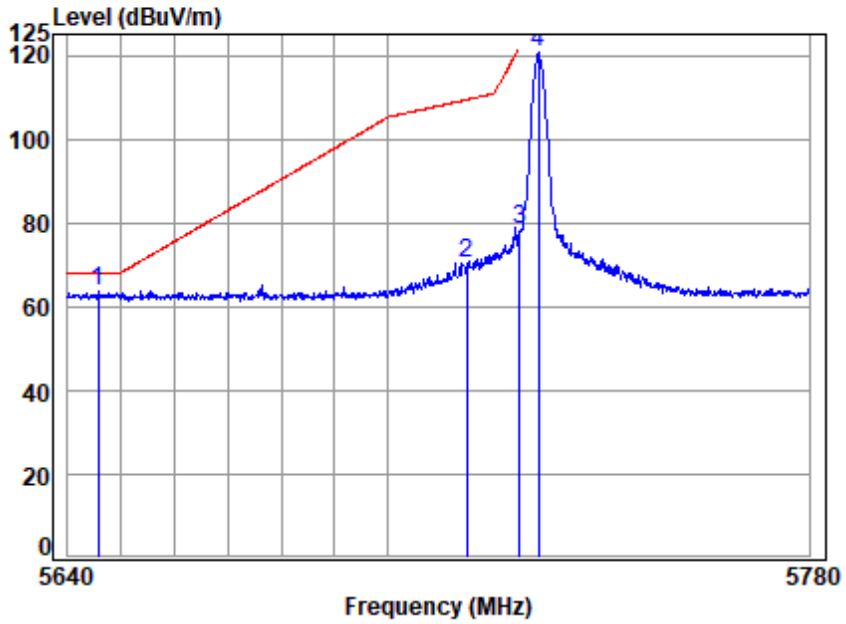
Test Mode: 15; Polarity: Horizontal; Modulation: OFDM; Channel: Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01004AT\01005AT
Mode : 5728.5 Band edge
: SDR 1.4M

	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 q	5640.276	7.84	34.50	35.02	56.55	63.87	68.20	-4.33	peak
2	5715.000	7.91	34.50	35.02	55.25	62.64	109.40	-46.76	peak
3	5725.000	7.92	34.50	35.02	62.89	70.29	122.20	-51.91	peak
4	5728.500	7.92	34.50	35.02	102.55	109.95	------	------	peak

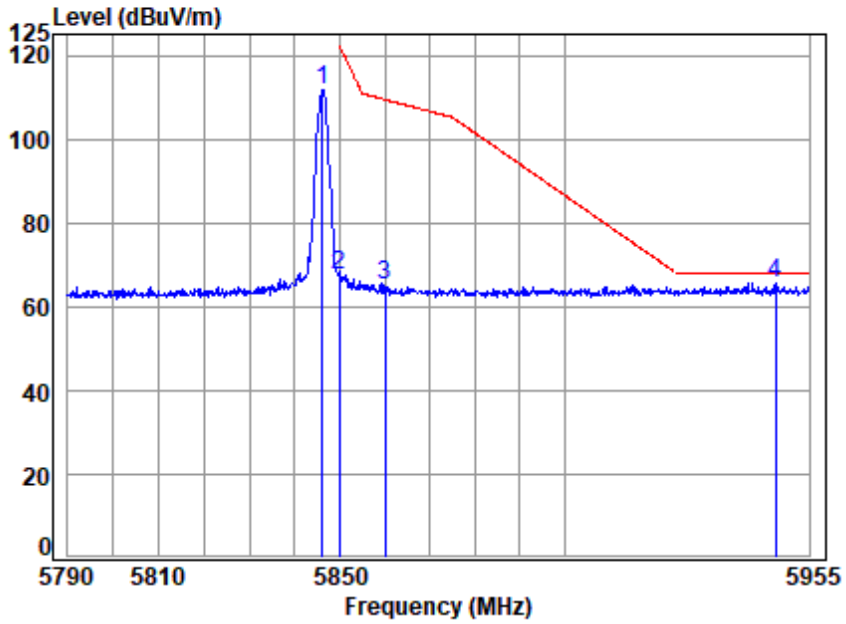
Test Mode: 15; Polarity: Vertical; Modulation: OFDM; Channel: Low



Site : chamber
Condition: 3m VERTICAL
Job No : 01004AT\01005AT
Mode : 5728.5 Band edge
: SDR 1.4M

	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 q	5645.673	7.84	34.50	35.02	56.20	63.52	68.20	-4.68	peak
2	5715.000	7.91	34.50	35.02	63.01	70.40	109.40	-39.00	peak
3	5725.000	7.92	34.50	35.02	70.83	78.23	122.20	-43.97	peak
4	5728.500	7.92	34.50	35.02	113.33	120.73	------	------	peak

Test Mode: 15; Polarity: Horizontal; Modulation: OFDM; Channel: High



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01004AT\01005AT
Mode : 5846.12 Band edge
: SDR 1.4M

	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	5846.120	8.02	34.69	35.03	104.10	111.78	------	------	peak
2	5850.000	8.03	34.70	35.03	60.02	67.72	122.20	-54.48	peak
3	5860.000	8.04	34.72	35.03	57.15	64.88	109.40	-44.52	peak
4	q 5947.475	8.11	34.89	35.04	57.60	65.56	68.20	-2.64	peak

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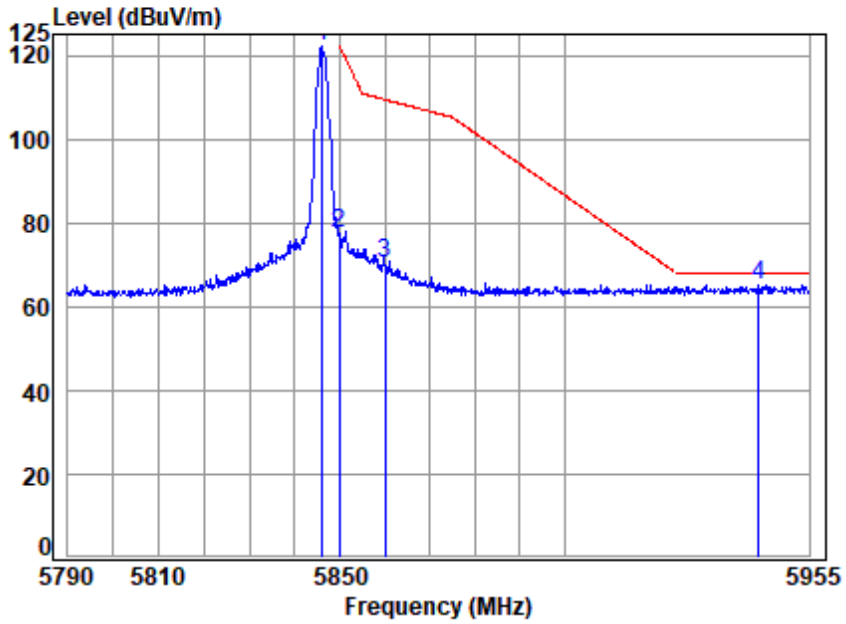
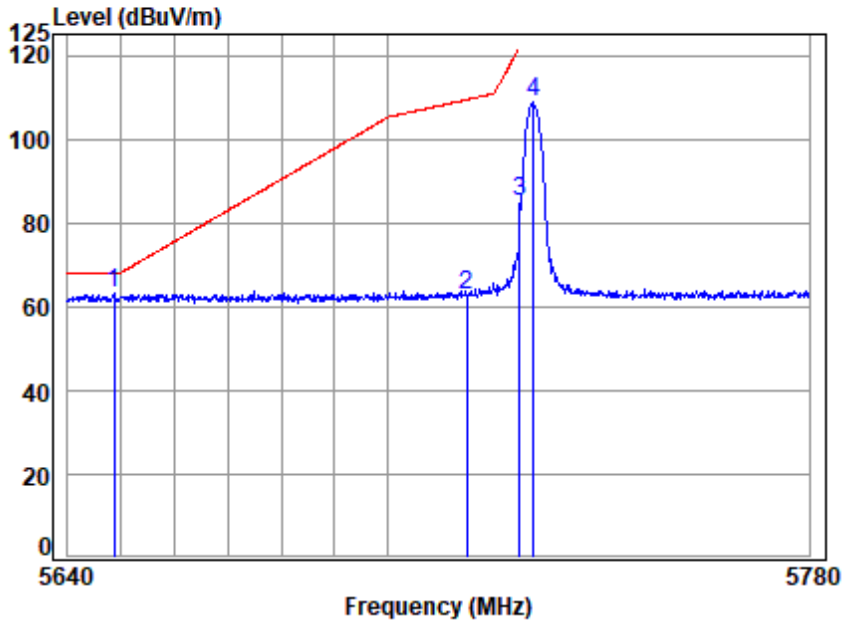
Test Mode: 15; Polarity: Vertical; Modulation: OFDM; Channel: High



Site : chamber
Condition: 3m VERTICAL
Job No : 01004AT\01005AT
Mode : 5846.12 Band edge
: SDR 1.4M

	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	5846.120	8.02	34.69	35.03	114.35	122.03	------	------	peak
2	5850.000	8.03	34.70	35.03	69.70	77.40	122.20	-44.80	peak
3	5860.000	8.04	34.72	35.03	62.53	70.26	109.40	-39.14	peak
4	q 5943.632	8.11	34.89	35.04	57.15	65.11	68.20	-3.09	peak

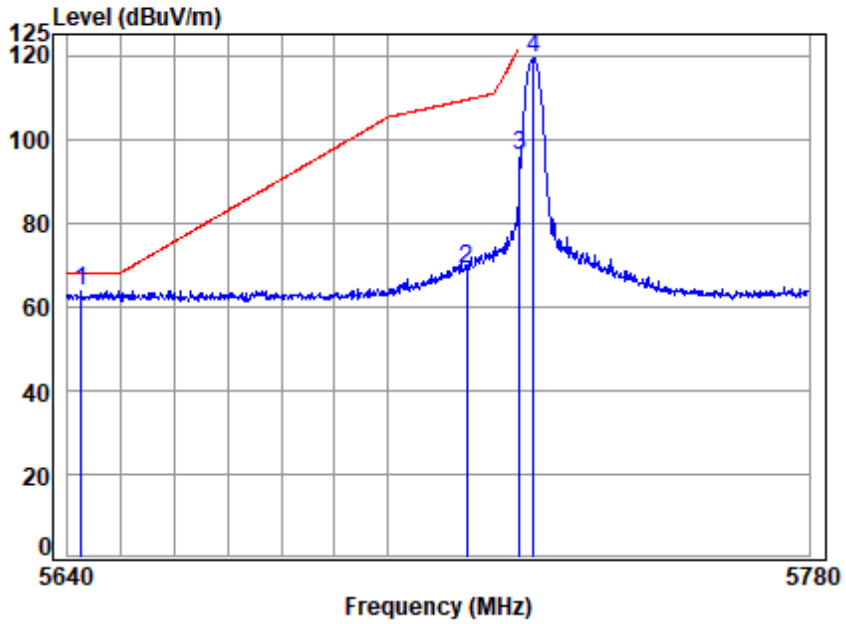
Test Mode: 17; Polarity: Horizontal; Modulation: OFDM; Channel: Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01004AT\01005AT
Mode : 5727.5 Band edge
: SDR 3M

	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 q	5648.719	7.85	34.50	35.02	55.95	63.28	68.20	-4.92	peak
2	5715.000	7.91	34.50	35.02	55.38	62.77	109.40	-46.63	peak
3	5725.000	7.92	34.50	35.02	77.67	85.07	122.20	-37.13	peak
4	5727.500	7.92	34.50	35.02	101.28	108.68	------	------	peak

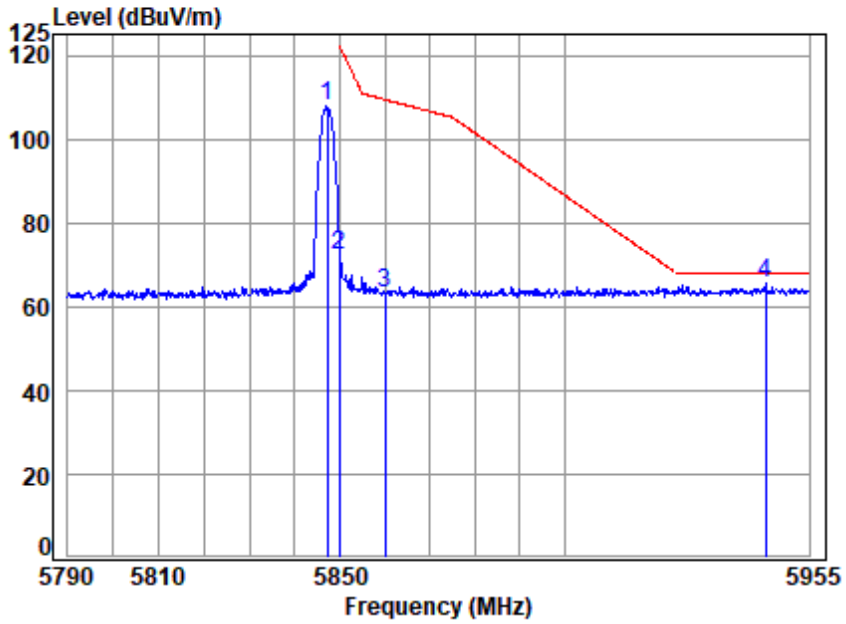
Test Mode: 17; Polarity: Vertical; Modulation: OFDM; Channel: Low



Site : chamber
Condition: 3m VERTICAL
Job No : 01004AT\01005AT
Mode : 5727.5 Band edge
: SDR 3M

	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 q	5642.490	7.84	34.50	35.02	56.26	63.58	68.20	-4.62	peak
2	5715.000	7.91	34.50	35.02	61.41	68.80	109.40	-40.60	peak
3	5725.000	7.92	34.50	35.02	88.43	95.83	122.20	-26.37	peak
4	5727.500	7.92	34.50	35.02	111.77	119.17	------	------	peak

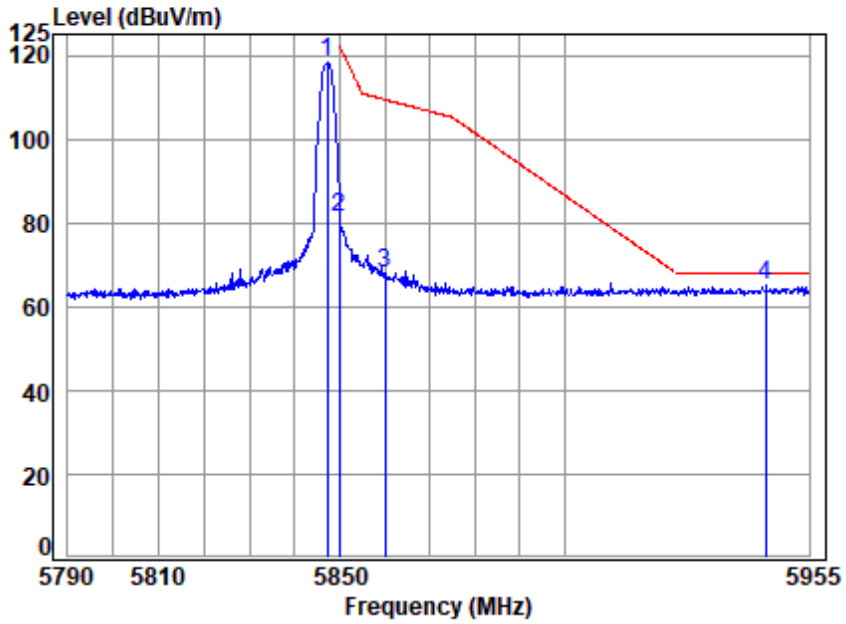
Test Mode: 17; Polarity: Horizontal; Modulation: OFDM; Channel: High



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01004AT\01005AT
Mode : 5847.2 Band edge
: SDR 3M

	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	5847.200	8.03	34.69	35.03	100.02	107.71	------	------	peak
2	5850.000	8.03	34.70	35.03	64.60	72.30	122.20	-49.90	peak
3	5860.000	8.04	34.72	35.03	55.68	63.41	109.40	-45.99	peak
4	q 5945.136	8.11	34.89	35.04	57.73	65.69	68.20	-2.51	peak

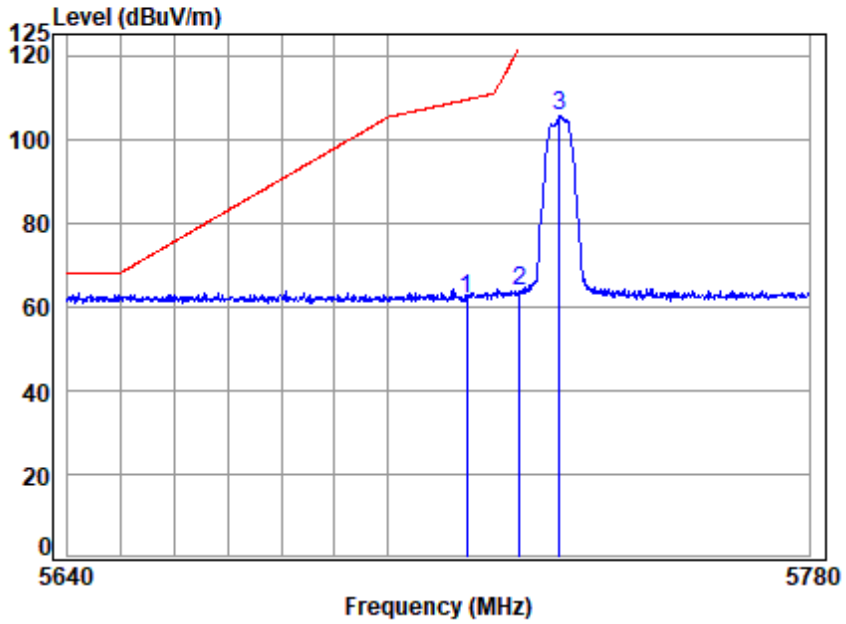
Test Mode: 17; Polarity: Vertical; Modulation: OFDM; Channel: High



Site : chamber
Condition: 3m VERTICAL
Job No : 01004AT\01005AT
Mode : 5847.2 Band edge
: SDR 3M

	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	5847.200	8.03	34.69	35.03	110.43	118.12	------	------	peak
2	5850.000	8.03	34.70	35.03	73.66	81.36	122.20	-40.84	peak
3	5860.000	8.04	34.72	35.03	60.13	67.86	109.40	-41.54	peak
4 q	5945.303	8.11	34.89	35.04	56.96	64.92	68.20	-3.28	peak

Test Mode: 19; Polarity: Horizontal; Modulation: OFDM; Channel: Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01004AT\01005AT
Mode : 5732.5 Band edge
: SDR 5M

	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	q 5715.000	7.91	34.50	35.02	54.26	61.65	109.40	-47.75	peak
2	5725.000	7.92	34.50	35.02	56.15	63.55	122.20	-58.65	peak
3	5732.500	7.92	34.50	35.02	97.99	105.39	------	------	peak

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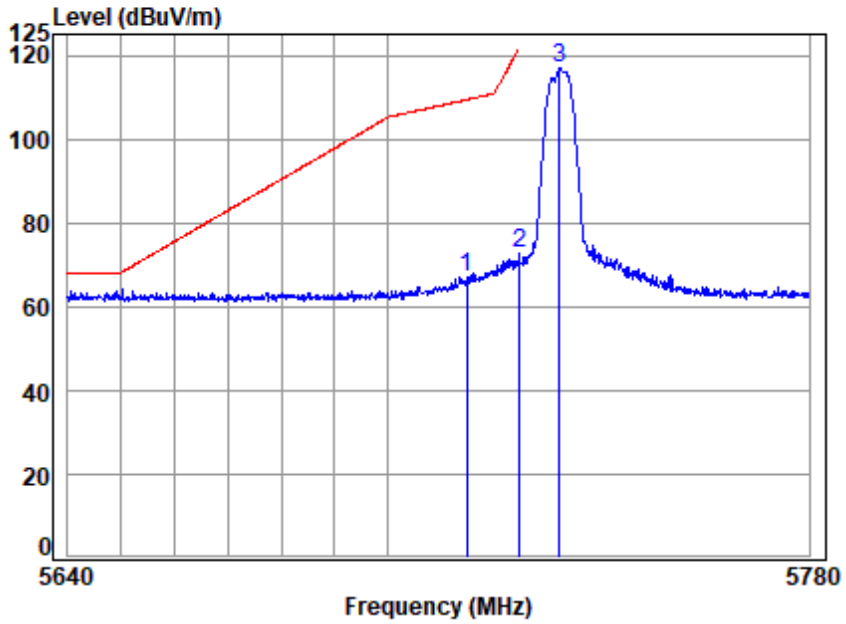
Test Mode: 19; Polarity: Vertical; Modulation: OFDM; Channel: Low



Site : chamber
Condition: 3m VERTICAL
Job No : 01004AT\01005AT
Mode : 5732.5 Band edge
: SDR 5M

	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 q	5715.000	7.91	34.50	35.02	59.70	67.09	109.40	-42.31	peak
2	5725.000	7.92	34.50	35.02	65.09	72.49	122.20	-49.71	peak
3	5732.500	7.92	34.50	35.02	109.65	117.05	------	------	peak

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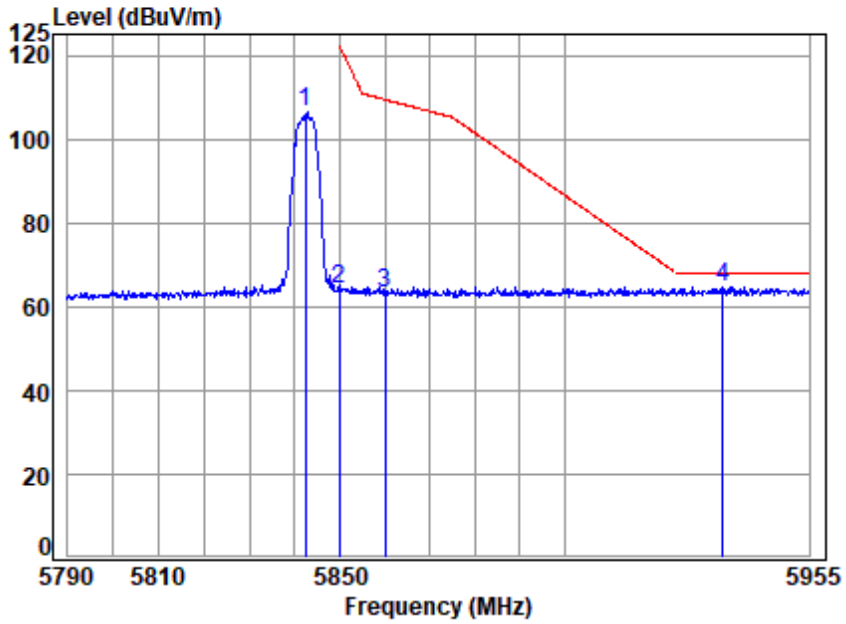
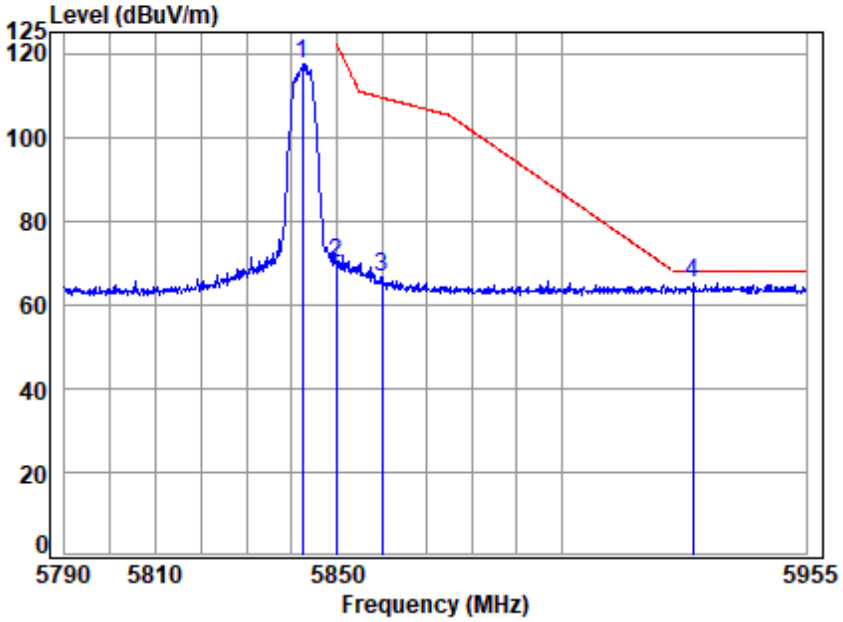
Test Mode: 19; Polarity: Horizontal; Modulation: OFDM; Channel: High



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01004AT\01005AT
Mode : 5842.5 Band edge
: SDR 5M

	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	5842.500	8.02	34.69	35.03	98.57	106.25	------	------	peak
2	5850.000	8.03	34.70	35.03	56.38	64.08	122.20	-58.12	peak
3	5860.000	8.04	34.72	35.03	55.50	63.23	109.40	-46.17	peak
4 q	5935.622	8.10	34.87	35.04	56.85	64.78	68.20	-3.42	peak

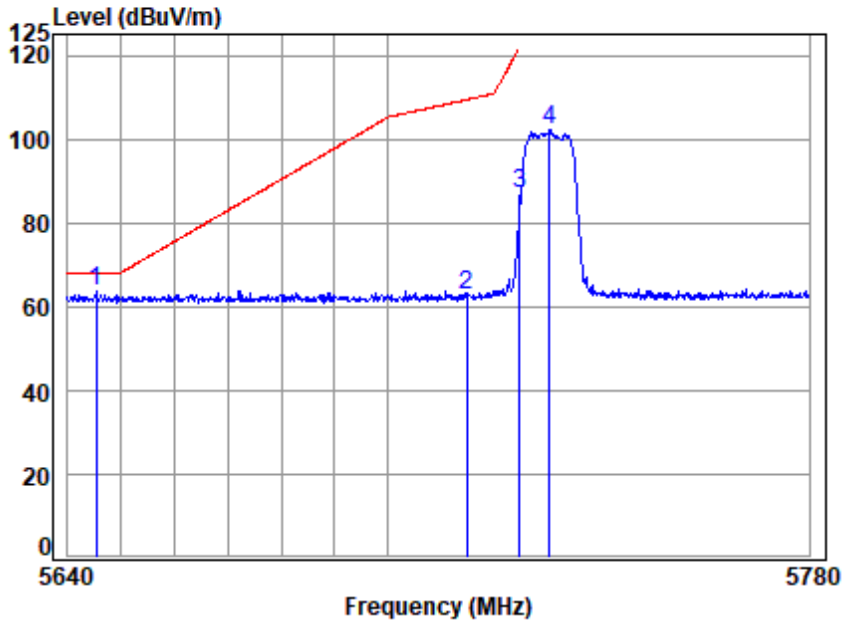
Test Mode: 19; Polarity: Vertical; Modulation: OFDM; Channel: High



Site : chamber
Condition: 3m VERTICAL
Job No : 01004AT\01005AT
Mode : 5842.5 Band edge
: SDR 5M

	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	5842.500	8.02	34.69	35.03	109.89	117.57	------	------	peak
2	5850.000	8.03	34.70	35.03	61.94	69.64	122.20	-52.56	peak
3	5860.000	8.04	34.72	35.03	59.00	66.73	109.40	-42.67	peak
4 q	5929.620	8.10	34.86	35.04	57.23	65.15	68.20	-3.05	peak

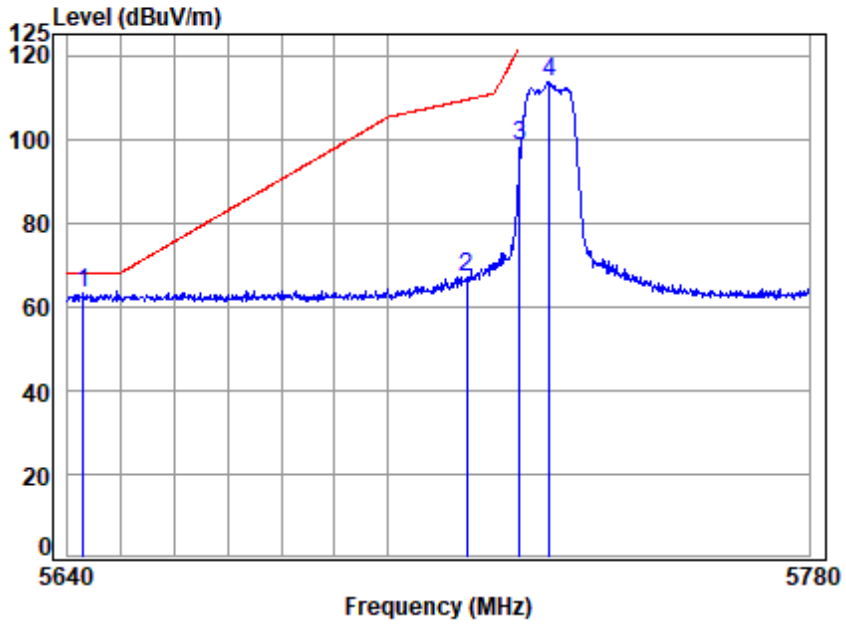
Test Mode: 21; Polarity: Horizontal; Modulation: OFDM; Channel: Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01004AT\01005AT
Mode : 5730.5 Band edge
: SDR 10M

	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 q	5645.257	7.84	34.50	35.02	56.16	63.48	68.20	-4.72	Peak
2	5715.000	7.91	34.50	35.02	55.51	62.90	109.40	-46.50	peak
3	5725.000	7.92	34.50	35.02	79.48	86.88	122.20	-35.32	peak
4	5730.500	7.92	34.50	35.02	94.88	102.28	------	------	peak

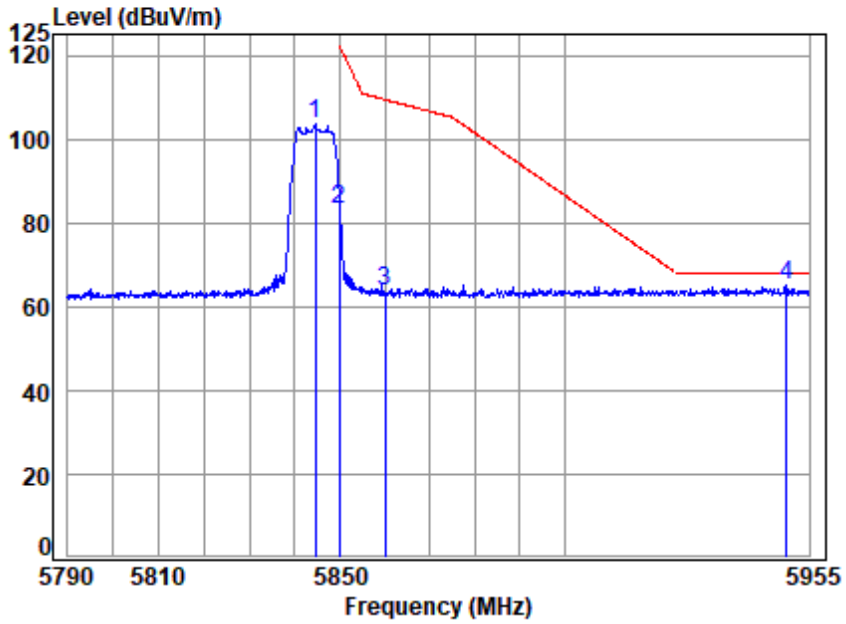
Test Mode: 21; Polarity: Vertical; Modulation: OFDM; Channel: Low



Site : chamber
Condition: 3m VERTICAL
Job No : 01004AT\01005AT
Mode : 5730.5 Band edge
: SDR 10M

	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 q	5642.905	7.84	34.50	35.02	55.96	63.28	68.20	-4.92	Peak
2	5715.000	7.91	34.50	35.02	59.53	66.92	109.40	-42.48	peak
3	5725.000	7.92	34.50	35.02	90.97	98.37	122.20	-23.83	peak
4	5730.500	7.92	34.50	35.02	106.43	113.83	------	------	peak

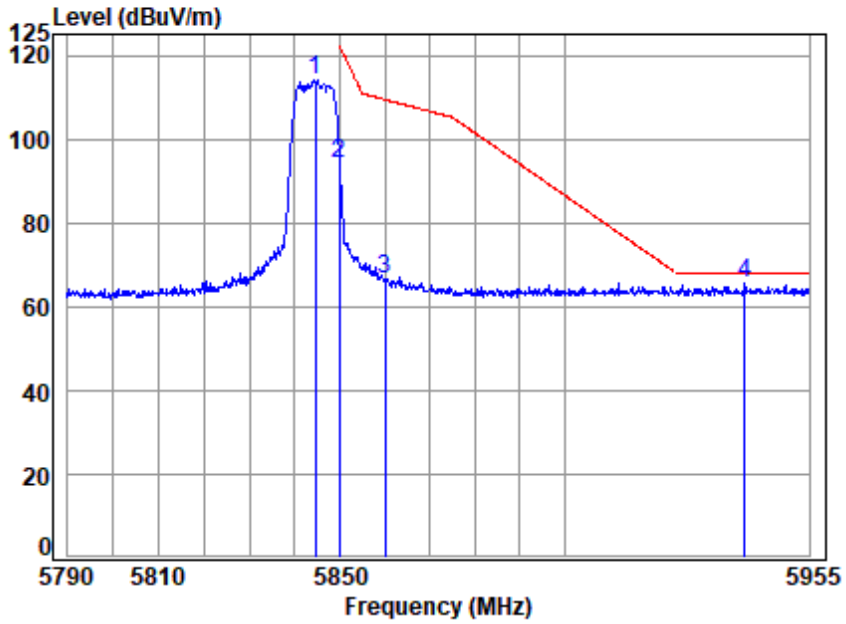
Test Mode: 21; Polarity: Horizontal; Modulation: OFDM; Channel: High



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01004AT\01005AT
Mode : 5844.5 Band edge
: SDR 10M

	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	5844.500	8.02	34.69	35.03	96.08	103.76	------	------	peak
2	5850.000	8.03	34.70	35.03	75.42	83.12	122.20	-39.08	peak
3	5860.000	8.04	34.72	35.03	56.12	63.85	109.40	-45.55	peak
4	q 5949.982	8.12	34.90	35.04	56.93	64.91	68.20	-3.29	peak

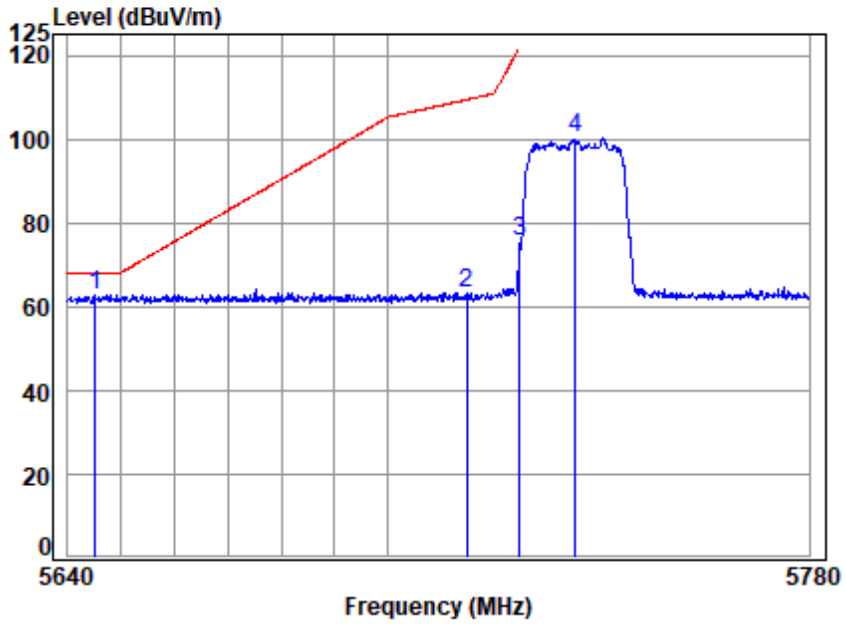
Test Mode: 21; Polarity: Vertical; Modulation: OFDM; Channel: High



Site : chamber
Condition: 3m VERTICAL
Job No : 01004AT\01005AT
Mode : 5844.5 Band edge
: SDR 10M

	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	5844.500	8.02	34.69	35.03	106.50	114.18	------	------	peak
2	5850.000	8.03	34.70	35.03	86.58	94.28	122.20	-27.92	peak
3	5860.000	8.04	34.72	35.03	59.02	66.75	109.40	-42.65	peak
4	q 5940.460	8.11	34.88	35.04	57.75	65.70	68.20	-2.50	peak

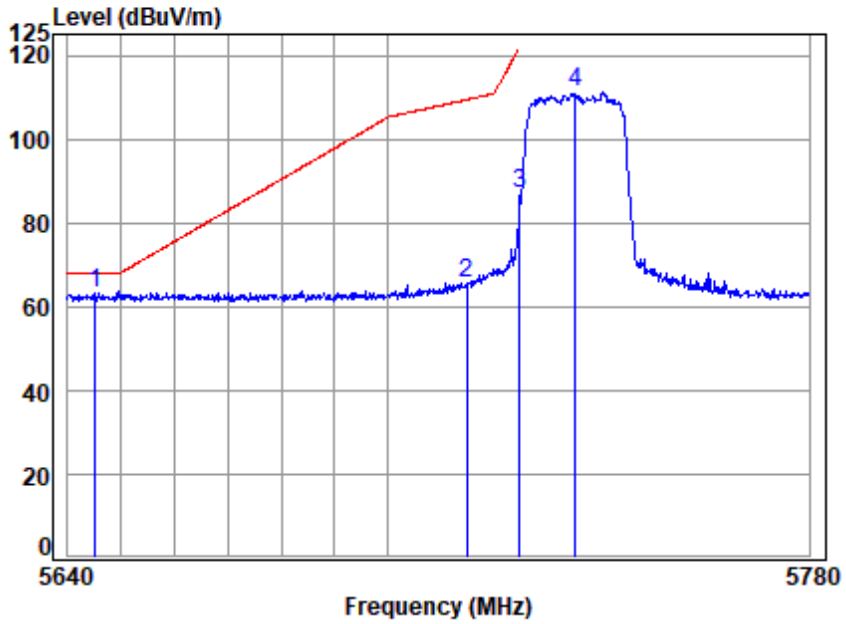
Test Mode: 23; Polarity: Horizontal; Modulation: OFDM; Channel: Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01004AT\01005AT
Mode : 5735.5 Band edge
: 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 q	5645.119	7.84	34.50	35.02	55.53	62.85	68.20	-5.35	Peak
2	5715.000	7.91	34.50	35.02	55.60	62.99	109.40	-46.41	peak
3	5725.000	7.92	34.50	35.02	67.97	75.37	122.20	-46.83	peak
4	5735.500	7.93	34.50	35.03	92.79	100.19	------	------	peak

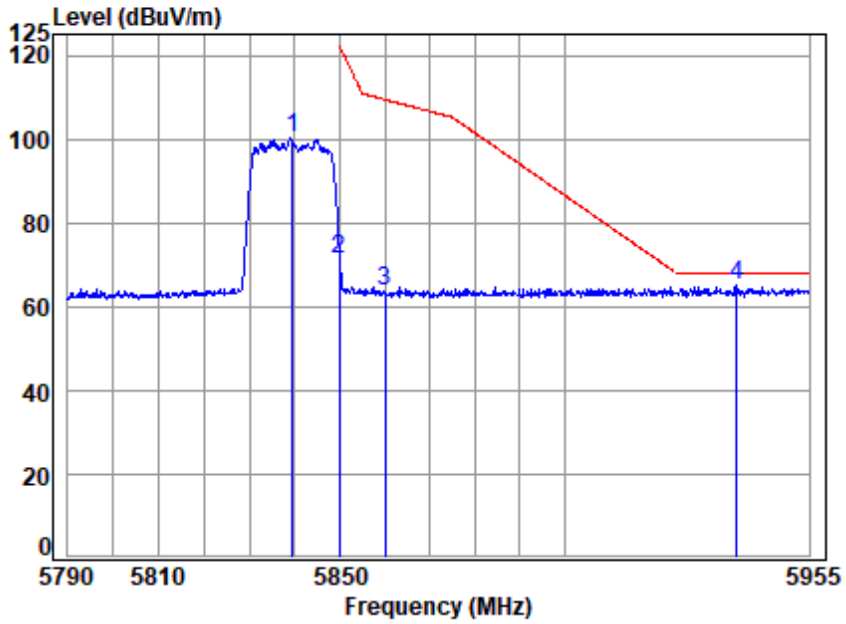
Test Mode: 23; Polarity: Vertical; Modulation: OFDM; Channel: Low



Site : chamber
Condition: 3m VERTICAL
Job No : 01004AT\01005AT
Mode : 5735.5 Band edge
: 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 q	5645.119	7.84	34.50	35.02	55.68	63.00	68.20	-5.20	Peak
2	5715.000	7.91	34.50	35.02	58.08	65.47	109.40	-43.93	peak
3	5725.000	7.92	34.50	35.02	79.80	87.20	122.20	-35.00	peak
4	5735.500	7.93	34.50	35.03	103.65	111.05	------	------	peak

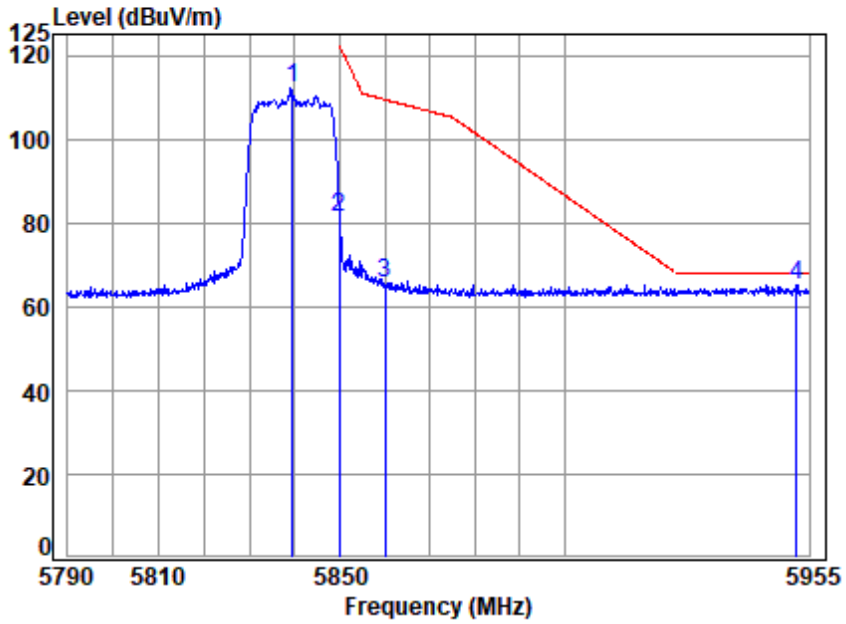
Test Mode: 23; Polarity: Horizontal; Modulation: OFDM; Channel: High



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01004AT\01005AT
Mode : 5839.5 Band edge
: 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	5839.500	8.02	34.68	35.03	92.68	100.35	------	------	peak
2	5850.000	8.03	34.70	35.03	63.43	71.13	122.20	-51.07	peak
3	5860.000	8.04	34.72	35.03	55.88	63.61	109.40	-45.79	peak
4	q 5938.625	8.11	34.88	35.04	56.97	64.92	68.20	-3.28	Peak

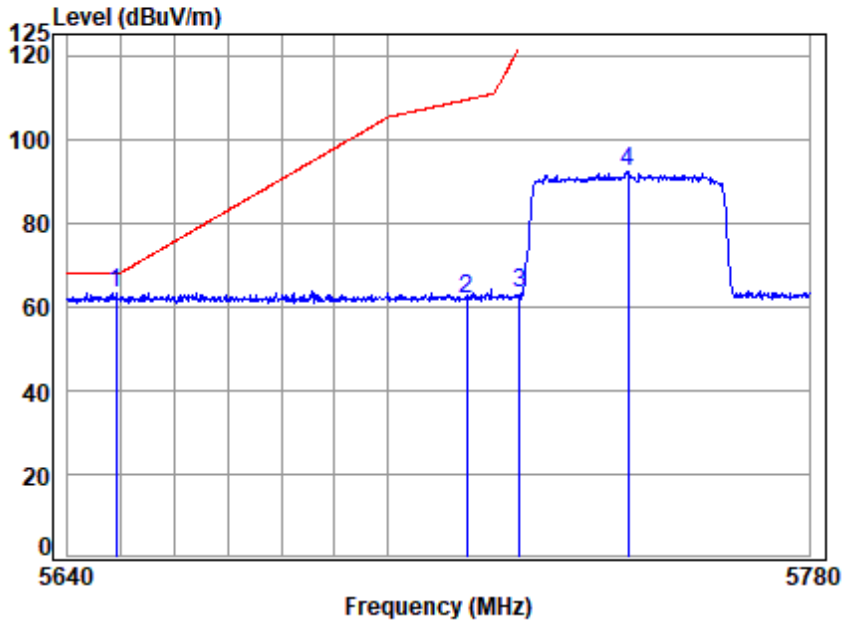
Test Mode: 23; Polarity: Vertical; Modulation: OFDM; Channel: High



Site : chamber
Condition: 3m VERTICAL
Job No : 01004AT\01005AT
Mode : 5839.5 Band edge
: 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	5839.500	8.02	34.68	35.03	104.48	112.15	------	------	peak
2	5850.000	8.03	34.70	35.03	73.43	81.13	122.20	-41.07	peak
3	5860.000	8.04	34.72	35.03	57.66	65.39	109.40	-44.01	peak
4	q 5952.156	8.12	34.90	35.04	57.24	65.22	68.20	-2.98	Peak

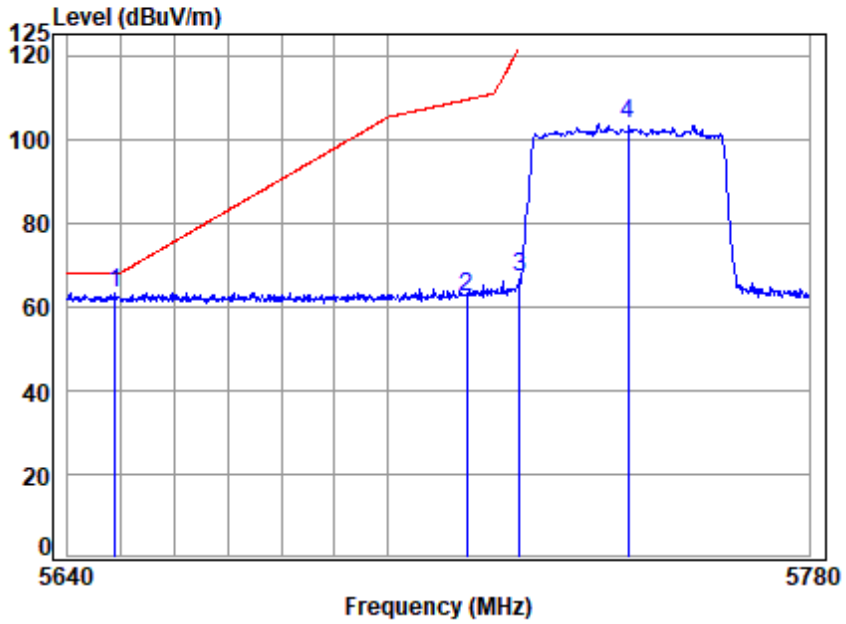
Test Mode: 25; Polarity: Horizontal; Modulation: OFDM; Channel: Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01004AT\01005AT
Mode : 5745.5 Band edge
: 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 q	5648.996	7.85	34.50	35.02	55.98	63.31	68.20	-4.89	peak
2	5715.000	7.91	34.50	35.02	54.37	61.76	109.40	-47.64	peak
3	5725.000	7.92	34.50	35.02	55.58	62.98	122.20	-59.22	peak
4	5745.500	7.93	34.50	35.03	84.95	92.35	------	------	peak

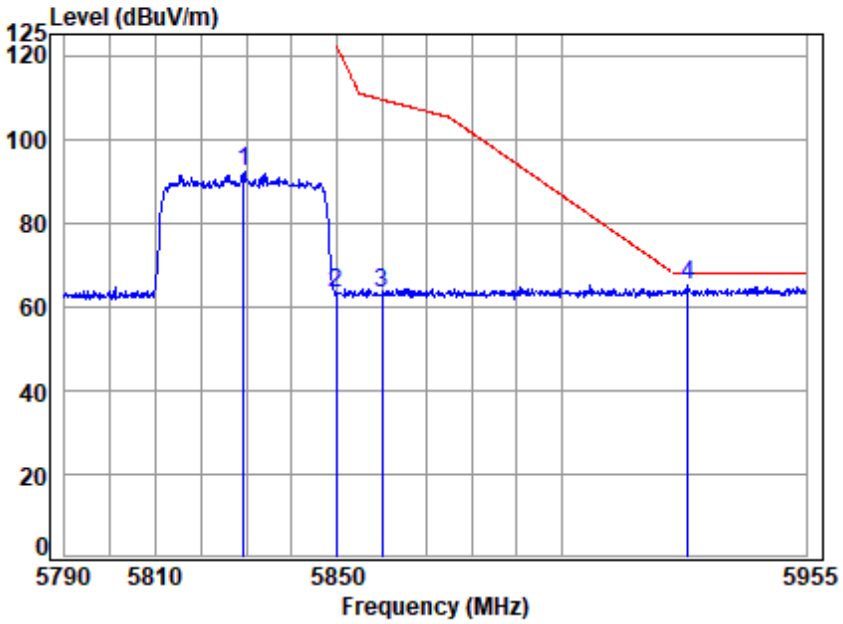
Test Mode: 25; Polarity: Vertical; Modulation: OFDM; Channel: Low



Site : chamber
Condition: 3m VERTICAL
Job No : 01004AT\01005AT
Mode : 5745.5 Band edge
: 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 q	5648.857	7.85	34.50	35.02	55.86	63.19	68.20	-5.01	peak
2	5715.000	7.91	34.50	35.02	54.77	62.16	109.40	-47.24	peak
3	5725.000	7.92	34.50	35.02	59.64	67.04	122.20	-55.16	peak
4	5745.500	7.93	34.50	35.03	96.32	103.72	------	------	peak

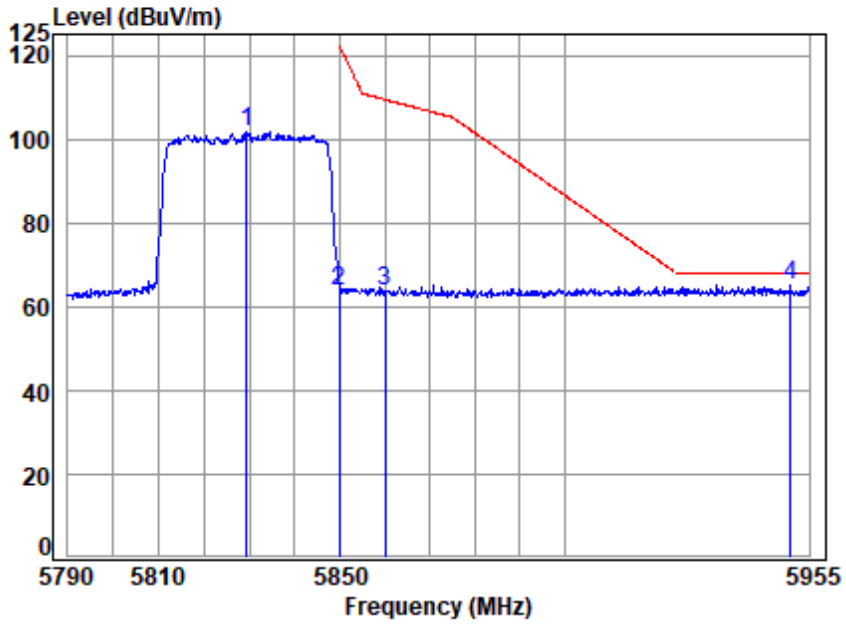
Test Mode: 25; Polarity: Horizontal; Modulation: OFDM; Channel: High



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01004AT\01005AT
Mode : 5829.5 Band edge
: 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	5829.500	8.01	34.66	35.03	84.41	92.05	------	------	peak
2	5850.000	8.03	34.70	35.03	55.31	63.01	122.20	-59.19	peak
3	5860.000	8.04	34.72	35.03	55.49	63.22	109.40	-46.18	peak
4	q 5928.454	8.10	34.86	35.04	57.15	65.07	68.20	-3.13	peak

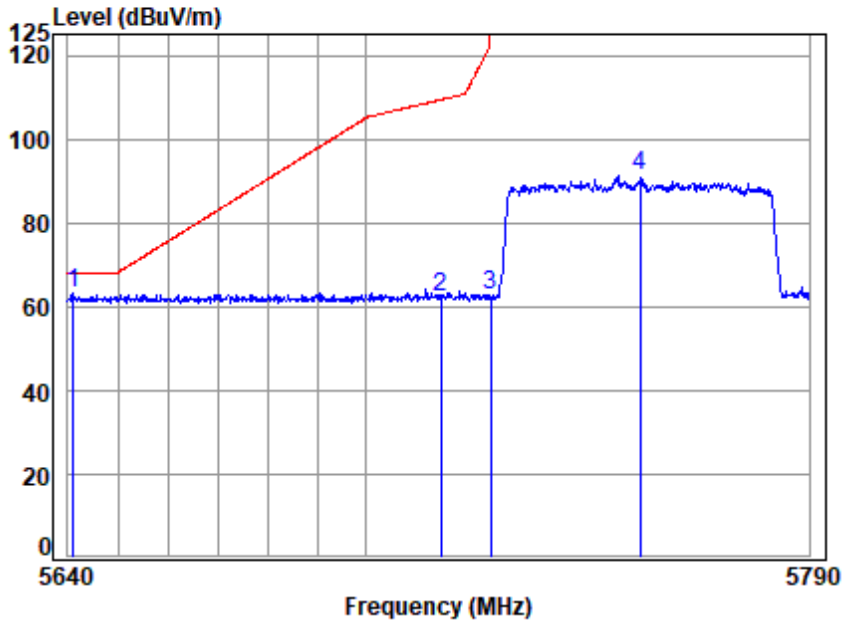
Test Mode: 25; Polarity: Vertical; Modulation: OFDM; Channel: High



Site : chamber
Condition: 3m VERTICAL
Job No : 01004AT\01005AT
Mode : 5829.5 Band edge
: 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	5829.500	8.01	34.66	35.03	94.06	101.70	------	------	peak
2	5850.000	8.03	34.70	35.03	55.95	63.65	122.20	-58.55	peak
3	5860.000	8.04	34.72	35.03	56.16	63.89	109.40	-45.51	peak
4 q	5950.818	8.12	34.90	35.04	56.98	64.96	68.20	-3.24	peak

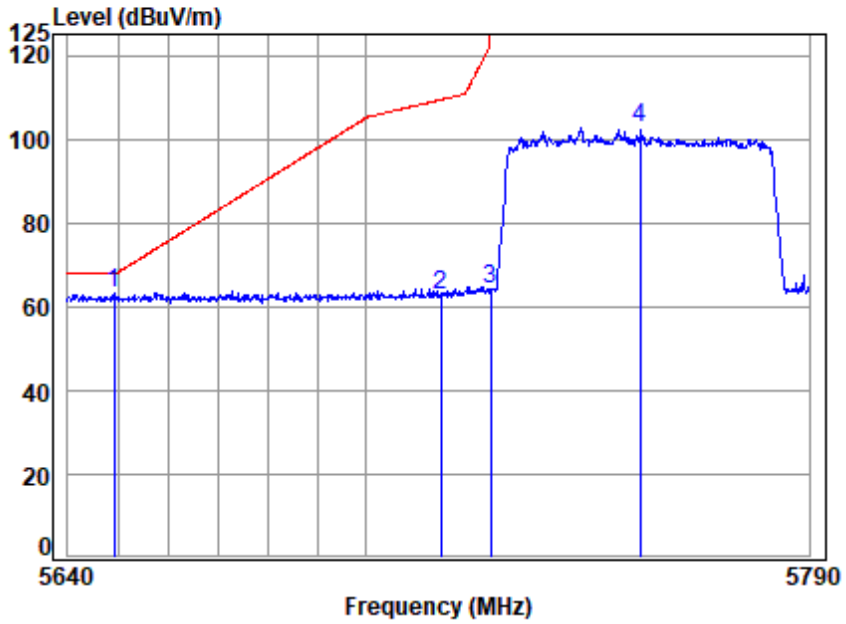
Test Mode: 27; Polarity: Horizontal; Modulation: OFDM; Channel: Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01004AT\01005AT
Mode : 5755.5 Band edge
: SDR 60M

	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 q	5641.185	7.84	34.50	35.02	55.69	63.01	68.20	-5.19	peak
2	5715.000	7.91	34.50	35.02	54.73	62.12	109.40	-47.28	peak
3	5725.000	7.92	34.50	35.02	55.53	62.93	122.20	-59.27	peak
4	5755.500	7.94	34.51	35.03	83.71	91.13	------	------	peak

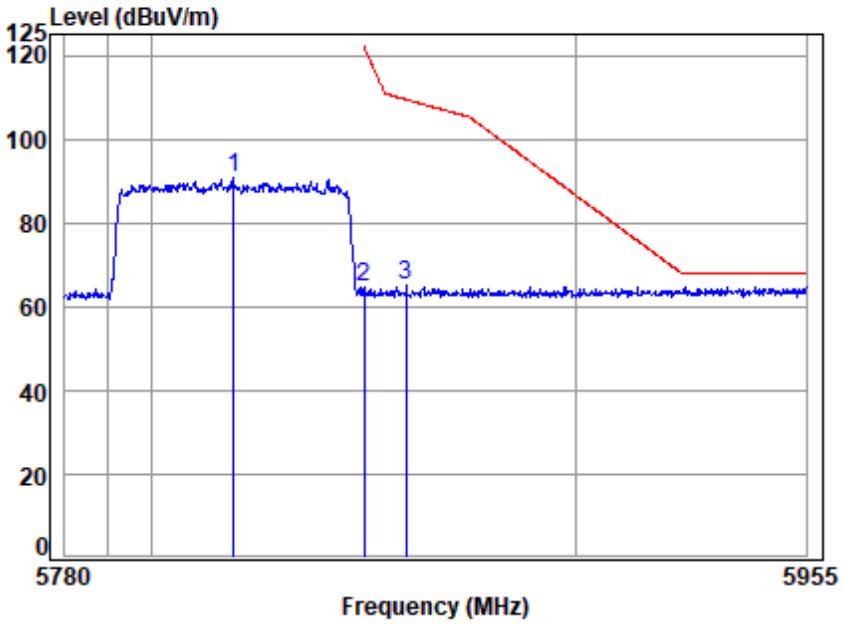
Test Mode: 27; Polarity: Vertical; Modulation: OFDM; Channel: Low



Site : chamber
Condition: 3m VERTICAL
Job No : 01004AT\01005AT
Mode : 5755.5 Band edge
: SDR 60M

	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 q	5649.186	7.85	34.50	35.02	55.95	63.28	68.20	-4.92	peak
2	5715.000	7.91	34.50	35.02	55.30	62.69	109.40	-46.71	peak
3	5725.000	7.92	34.50	35.02	56.96	64.36	122.20	-57.84	peak
4	5755.500	7.94	34.51	35.03	95.05	102.47	------	------	peak

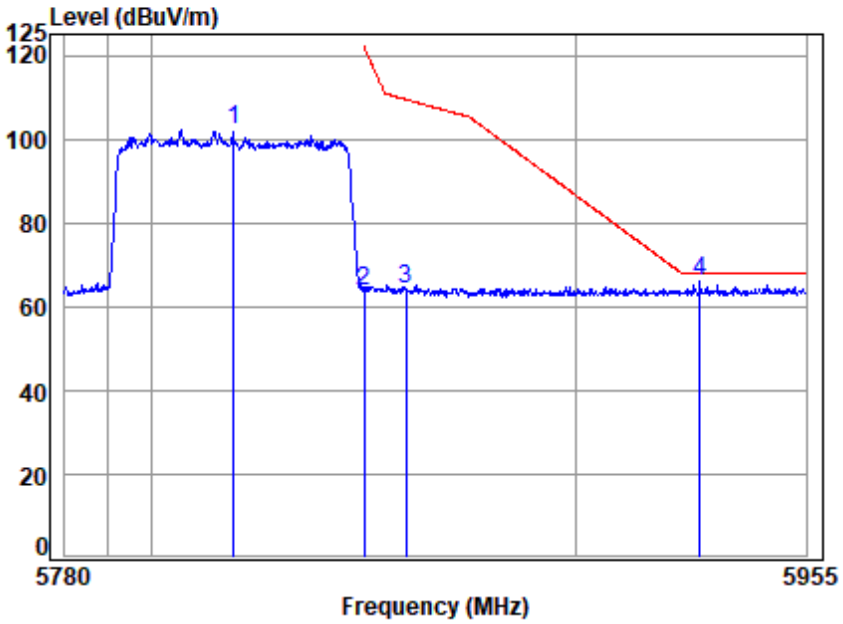
Test Mode: 27; Polarity: Horizontal; Modulation: OFDM; Channel: High



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01004AT\01005AT
Mode : 5819.5 Band edge
: SDR 60M

	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	5819.500	8.00	34.64	35.03	83.16	90.77	------	------	peak
2	5850.000	8.03	34.70	35.03	56.94	64.64	122.20	-57.56	peak
3	5860.000	8.04	34.72	35.03	57.25	64.98	109.40	-44.42	peak
4 q	5955.000	8.12	34.91	35.04	57.24	65.23	68.20	-2.97	peak

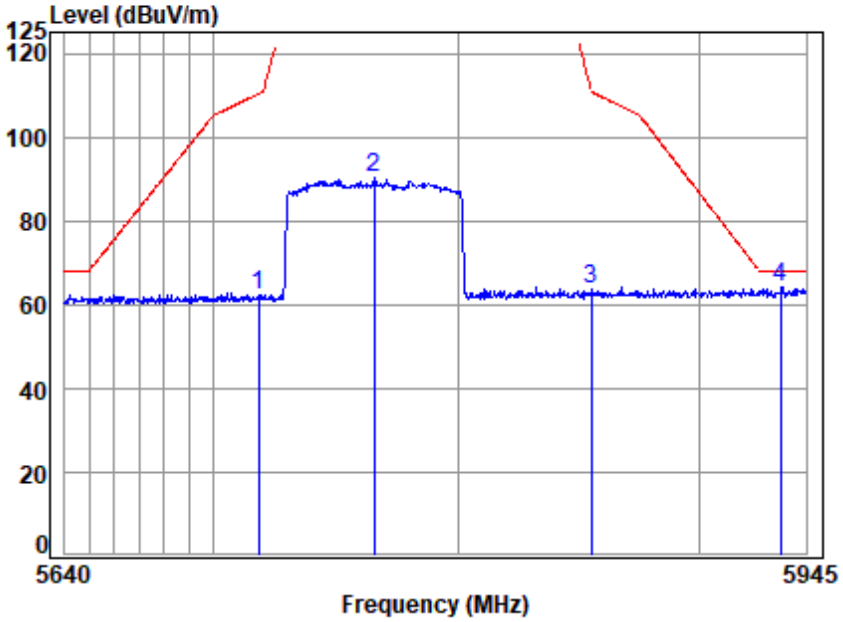
Test Mode: 27; Polarity: Vertical; Modulation: OFDM; Channel: High



Site : chamber
Condition: 3m VERTICAL
Job No : 01004AT\01005AT
Mode : 5819.5 Band edge
: SDR 60M

	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	5819.500	8.00	34.64	35.03	94.53	102.14	------	------	peak
2	5850.000	8.03	34.70	35.03	55.95	63.65	122.20	-58.55	peak
3	5860.000	8.04	34.72	35.03	56.66	64.39	109.40	-45.01	peak
4	q 5929.654	8.10	34.86	35.04	58.12	66.04	68.20	-2.16	peak

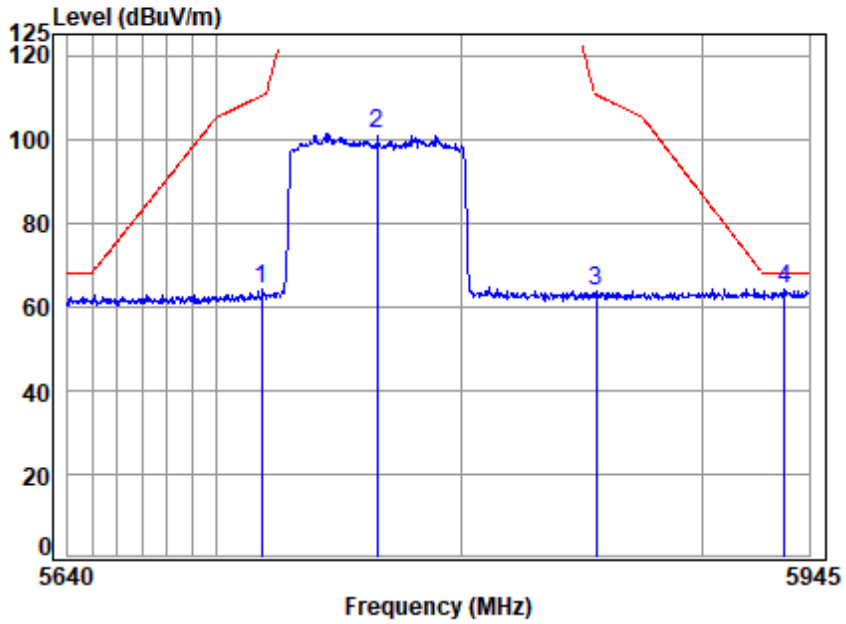
Test Mode: 29; Polarity: Horizontal; Modulation: OFDM; Channel: Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01004AT\01005AT
Mode : 5765.5 Band edge
: SDR 80M

	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	5718.364	7.91	34.50	35.02	55.08	62.47	110.34	-47.87	peak
2	5765.500	7.95	34.53	35.03	82.99	90.44	------	------	peak
3	5854.890	8.03	34.71	35.03	55.75	63.46	111.05	-47.59	peak
4 q	5934.364	8.10	34.87	35.04	56.17	64.10	68.20	-4.10	peak

Test Mode: 29; Polarity: Vertical; Modulation: OFDM; Channel: Low



Site : chamber
Condition: 3m VERTICAL
Job No : 01004AT\01005AT
Mode : 5765.5 Band edge
: SDR 80M

	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	5718.364	7.91	34.50	35.02	56.62	64.01	110.34	-46.33	peak
2	5765.500	7.95	34.53	35.03	93.87	101.32	------	------	peak
3	5855.815	8.03	34.71	35.03	55.75	63.46	110.57	-47.11	peak
4 q	5934.677	8.10	34.87	35.04	56.01	63.94	68.20	-4.26	peak

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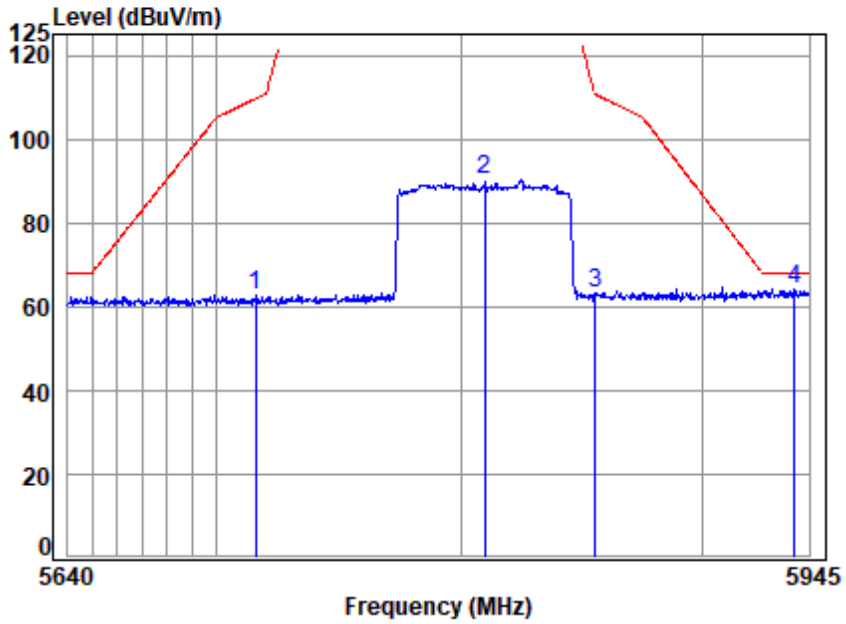
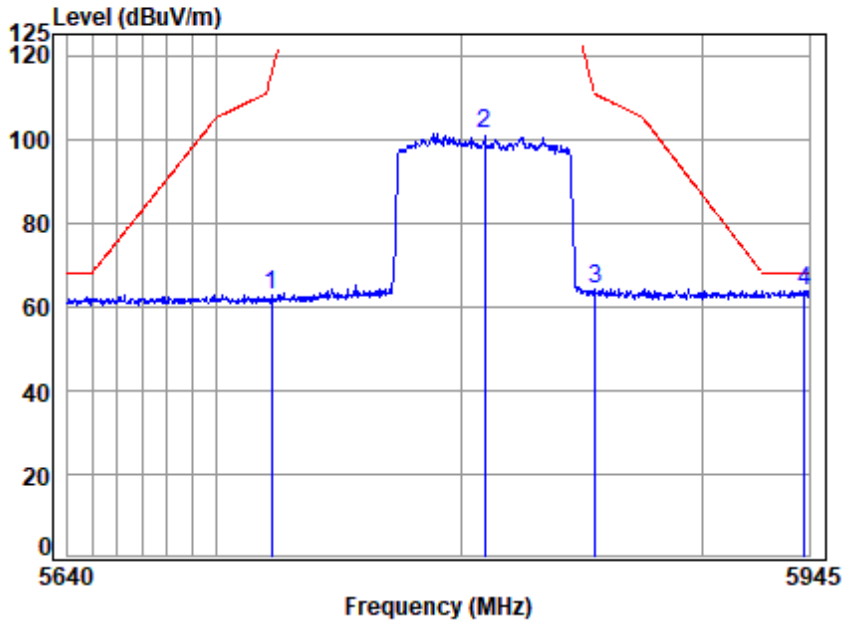
Test Mode: 29; Polarity: Horizontal; Modulation: OFDM; Channel: High



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01004AT\01005AT
Mode : 5809.5 Band edge
: SDR 80M

	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	5715.955	7.91	34.50	35.02	55.53	62.92	109.67	-46.75	peak
2	5809.500	7.99	34.62	35.03	82.55	90.13	------	------	peak
3	5855.199	8.03	34.71	35.03	55.66	63.37	110.74	-47.37	peak
4	q 5939.054	8.11	34.88	35.04	56.07	64.02	68.20	-4.18	peak

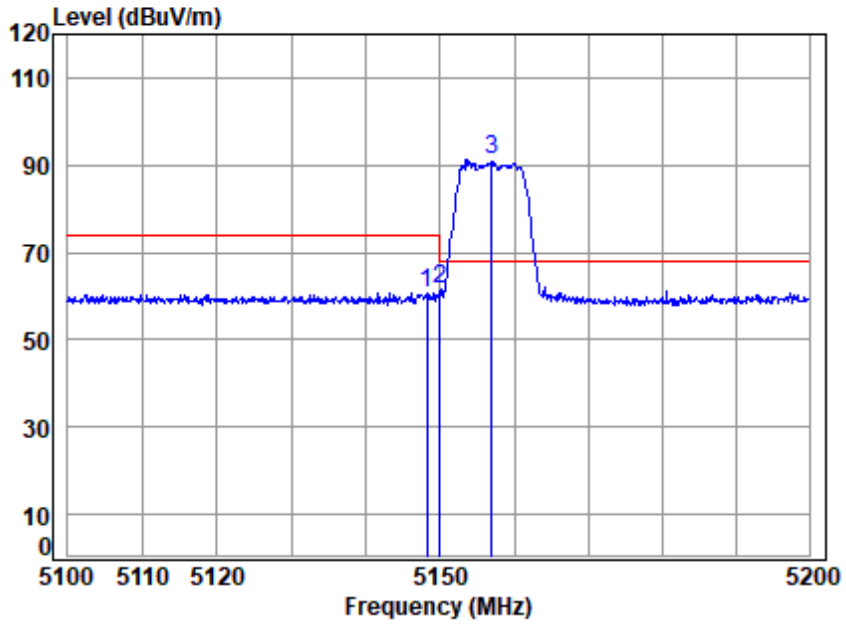
Test Mode: 29; Polarity: Vertical; Modulation: OFDM; Channel: High



Site : chamber
Condition: 3m VERTICAL
Job No : 01004AT\01005AT
Mode : 5809.5 Band edge
: SDR 80M

	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	5722.280	7.91	34.50	35.02	55.23	62.62	116.00	-53.38	peak
2	5809.500	7.99	34.62	35.03	93.81	101.39	------	------	peak
3	5855.199	8.03	34.71	35.03	56.65	64.36	110.74	-46.38	peak
4 q	5943.122	8.11	34.89	35.04	55.93	63.89	68.20	-4.31	peak

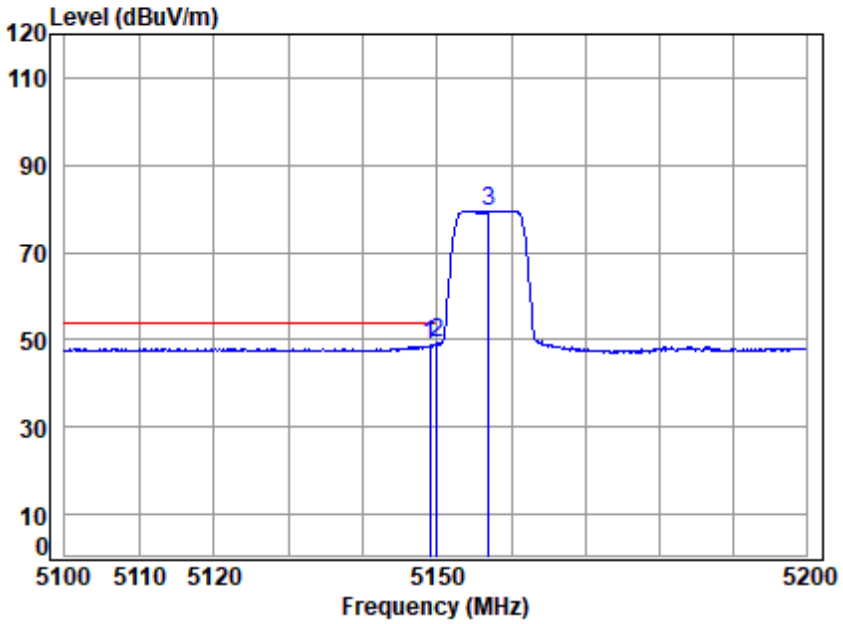
Test Mode: 31; Polarity: Horizontal; Modulation: OFDM; Channel: Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01004AT\01005AT
Mode : 5157 Band edge
: SDR 10M

	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	5148.158	7.36	34.00	34.99	54.52	60.89	74.00	-13.11	peak
2	5149.980	7.36	34.00	34.99	55.44	61.81	74.00	-12.19	peak
3 q	5157.000	7.37	34.00	34.99	84.76	91.14	68.20	22.94	peak

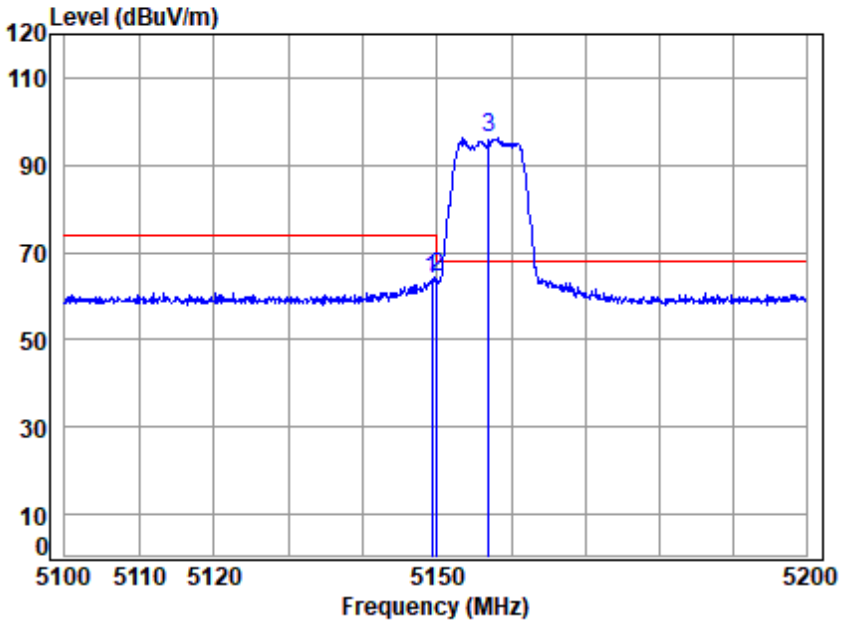
Test Mode: 31; Polarity: Horizontal; Modulation: OFDM; Channel: Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01004AT\01005AT
Mode : 5157 Band edge
: SDR 10M

	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	5149.057	7.36	34.00	34.99	42.34	48.71	54.00	-5.29	Average
2 q	5149.980	7.36	34.00	34.99	42.75	49.12	54.00	-4.88	Average
3	5157.000	7.37	34.00	34.99	73.23	79.61	------	------	Average

Test Mode: 31; Polarity: Vertical; Modulation: OFDM; Channel: Low



Site : chamber
Condition: 3m VERTICAL
Job No : 01004AT\01005AT
Mode : 5157 Band edge
: SDR 10M

	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	5149.257	7.36	34.00	34.99	57.47	63.84	74.00	-10.16	Peak
2	5149.980	7.36	34.00	34.99	58.19	64.56	74.00	-9.44	Peak
3 q	5157.000	7.37	34.00	34.99	89.80	96.18	68.20	27.98	Peak

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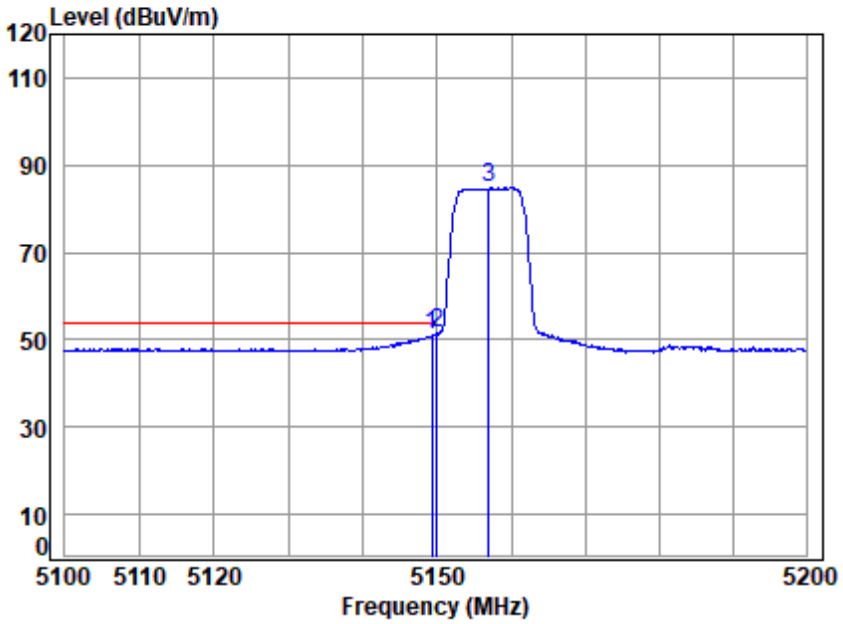
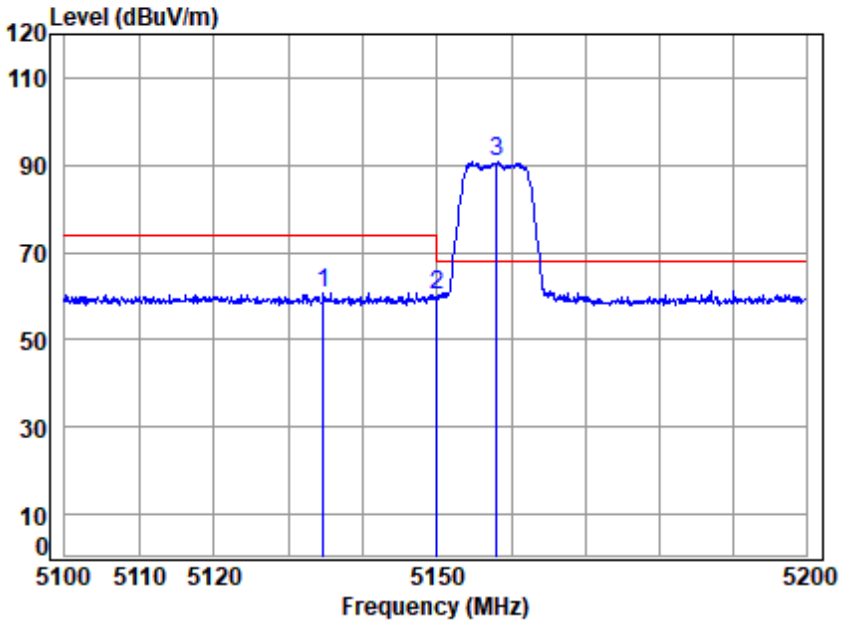
Test Mode: 31; Polarity: Vertical; Modulation: OFDM; Channel: Low



Site : chamber
Condition: 3m VERTICAL
Job No : 01004AT\01005AT
Mode : 5157 Band edge
: SDR 10M

	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	5149.257	7.36	34.00	34.99	44.76	51.13	54.00	-2.87	Average
2 q	5149.980	7.36	34.00	34.99	45.24	51.61	54.00	-2.39	Average
3	5157.000	7.37	34.00	34.99	78.60	84.98	------	------	Average

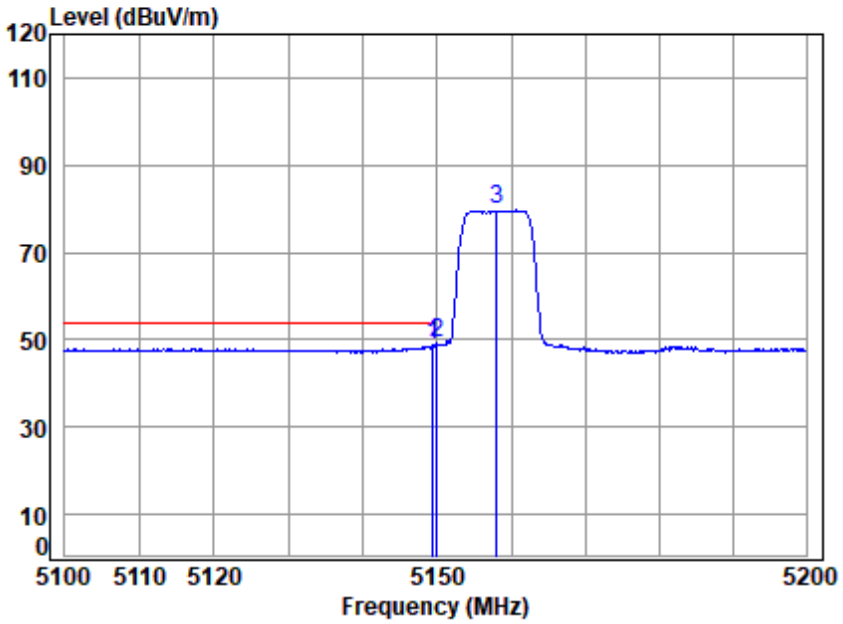
Test Mode: 31; Polarity: Horizontal; Modulation: OFDM; Channel: Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01004AT\01005AT
Mode : 5158 Band edge
: SDR 10M

	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	5134.680	7.35	34.03	34.99	54.48	60.87	74.00	-13.13	peak
2	5149.980	7.36	34.00	34.99	54.04	60.41	74.00	-13.59	peak
3 q	5158.000	7.37	34.00	34.99	84.54	90.92	68.20	22.72	peak

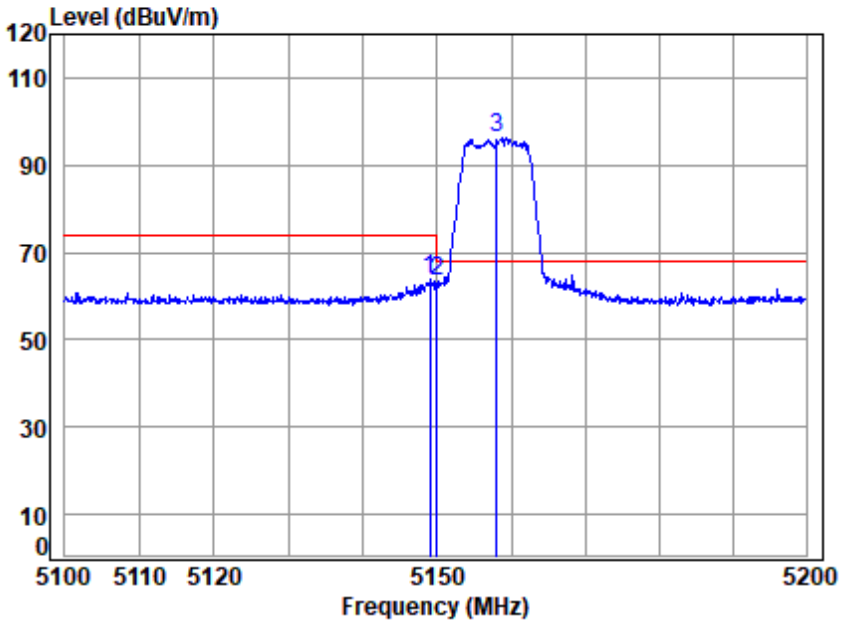
Test Mode: 31; Polarity: Horizontal; Modulation: OFDM; Channel: Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01004AT\01005AT
Mode : 5158 Band edge
: SDR 10M

	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	5149.357	7.36	34.00	34.99	42.35	48.72	54.00	-5.28	Average
2 q	5149.980	7.36	34.00	34.99	42.71	49.08	54.00	-4.92	Average
3	5158.000	7.37	34.00	34.99	73.30	79.68	------	------	Average

Test Mode: 31; Polarity: Vertical; Modulation: OFDM; Channel: Low



Site : chamber
Condition: 3m VERTICAL
Job No : 01004AT\01005AT
Mode : 5158 Band edge
: SDR 10M

	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	5148.958	7.36	34.00	34.99	57.57	63.94	74.00	-10.06	Peak
2	5149.980	7.36	34.00	34.99	57.27	63.64	74.00	-10.36	Peak
3 q	5158.000	7.37	34.00	34.99	89.80	96.18	68.20	27.98	Peak

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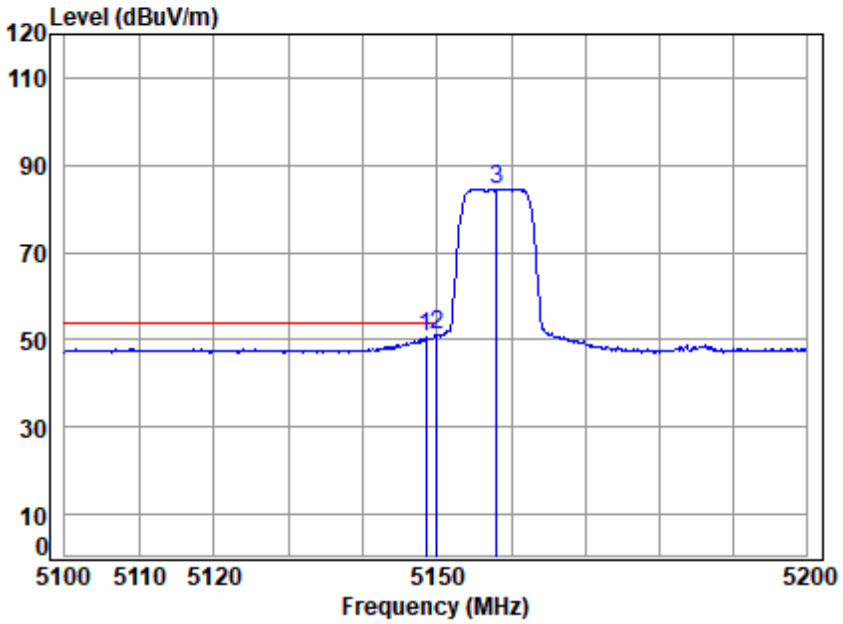
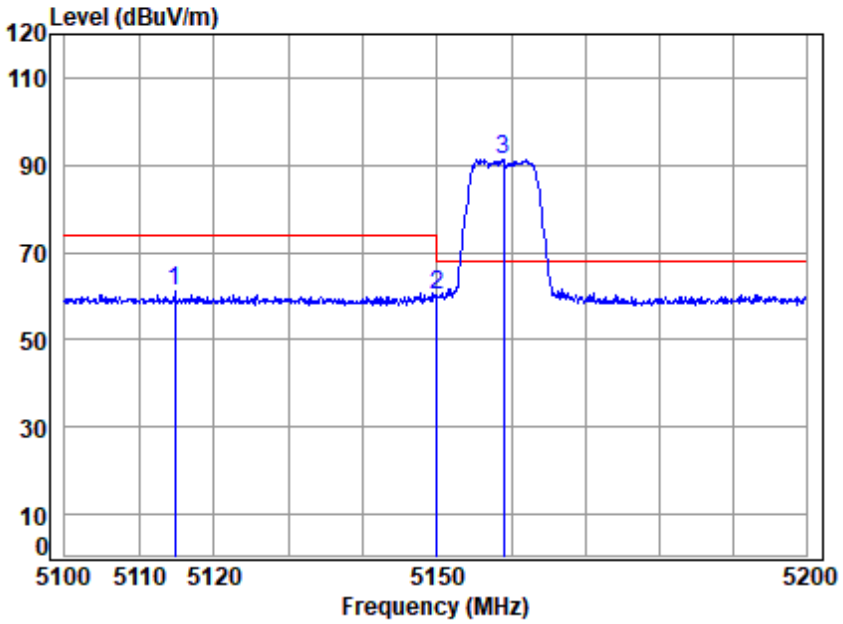
Test Mode: 31; Polarity: Vertical; Modulation: OFDM; Channel: Low



Site : chamber
Condition: 3m VERTICAL
Job No : 01004AT\01005AT
Mode : 5158 Band edge
: SDR 10M

	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	5148.458	7.36	34.00	34.99	44.11	50.48	54.00	-3.52	Average
2 q	5149.980	7.36	34.00	34.99	44.68	51.05	54.00	-2.95	Average
3	5158.000	7.37	34.00	34.99	78.26	84.64	------	------	Average

Test Mode: 31; Polarity: Horizontal; Modulation: OFDM; Channel: Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01004AT\01005AT
Mode : 5159 Band edge
: SDR 10M

	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	5114.678	7.33	34.07	34.99	54.60	61.01	74.00	-12.99	peak
2	5149.980	7.36	34.00	34.99	53.97	60.34	74.00	-13.66	peak
3 q	5159.000	7.37	34.00	34.99	85.00	91.38	68.20	23.18	peak

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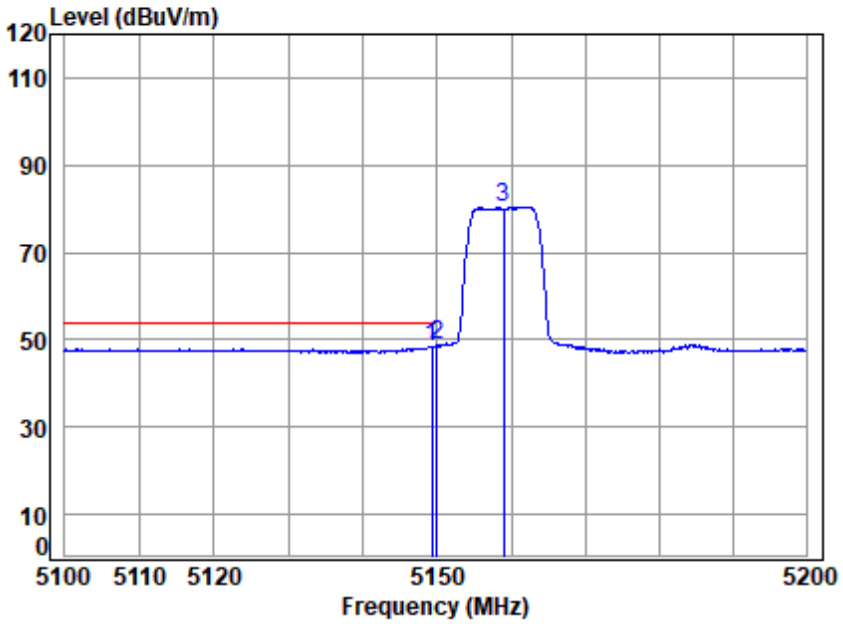
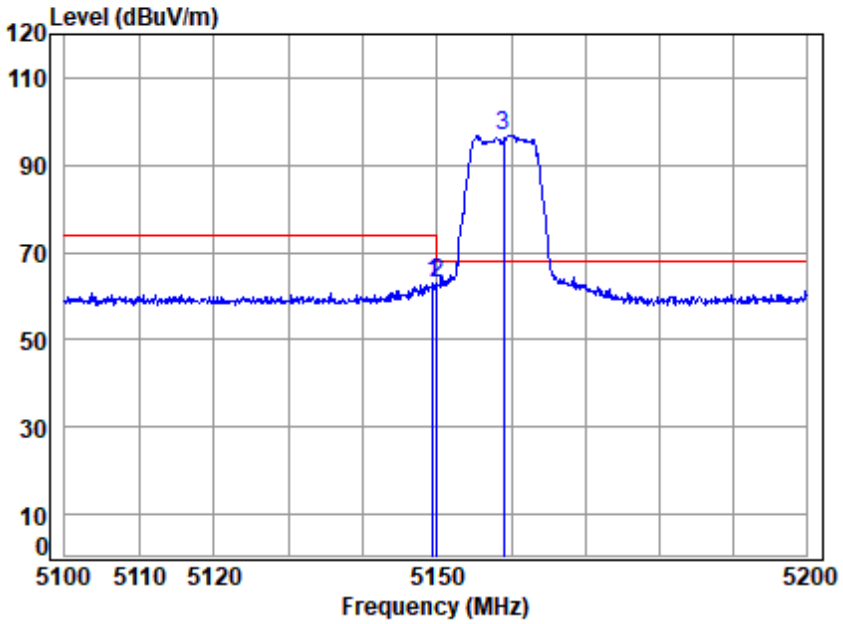
Test Mode: 31; Polarity: Horizontal; Modulation: OFDM; Channel: Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01004AT\01005AT
Mode : 5159 Band edge
: SDR 10M

	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	5149.257	7.36	34.00	34.99	42.22	48.59	54.00	-5.41	Average
2 q	5149.980	7.36	34.00	34.99	42.61	48.98	54.00	-5.02	Average
3	5159.000	7.37	34.00	34.99	73.98	80.36	------	------	Average

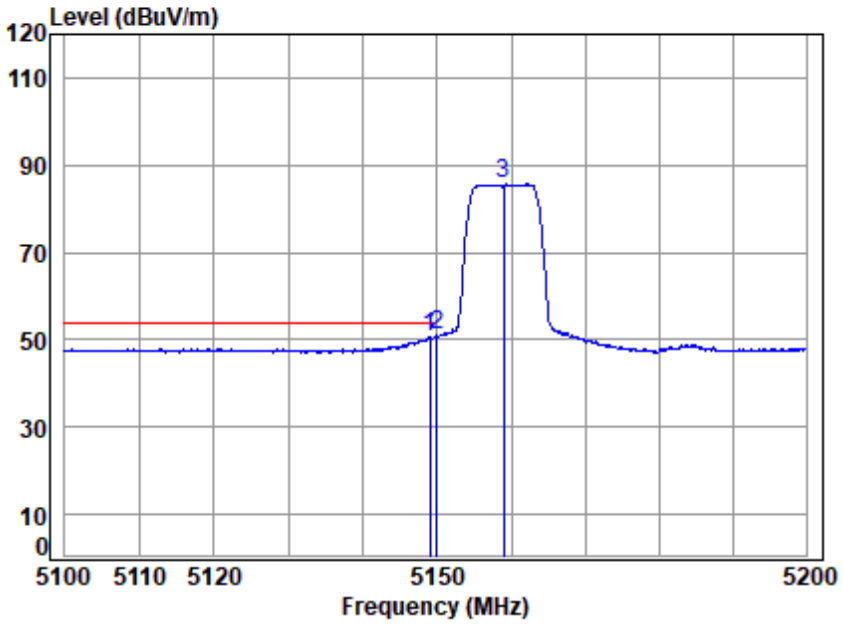
Test Mode: 31; Polarity: Vertical; Modulation: OFDM; Channel: Low



Site : chamber
Condition: 3m VERTICAL
Job No : 01004AT\01005AT
Mode : 5159 Band edge
: SDR 10M

	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	5149.357	7.36	34.00	34.99	56.52	62.89	74.00	-11.11	Peak
2	5149.980	7.36	34.00	34.99	56.54	62.91	74.00	-11.09	Peak
3 q	5159.000	7.37	34.00	34.99	90.52	96.90	68.20	28.70	Peak

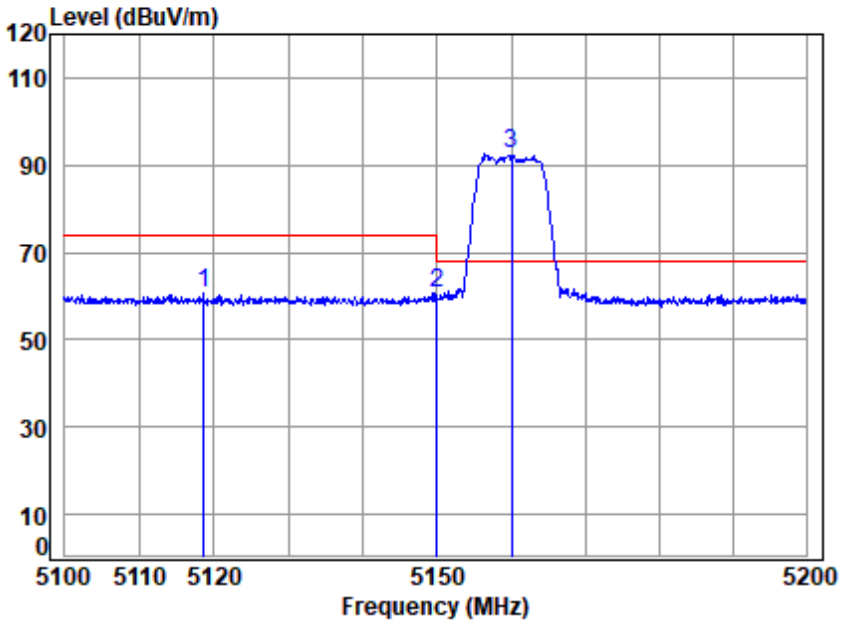
Test Mode: 31; Polarity: Vertical; Modulation: OFDM; Channel: Low



Site : chamber
Condition: 3m VERTICAL
Job No : 01004AT\01005AT
Mode : 5159 Band edge
: SDR 10M

	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	5148.958	7.36	34.00	34.99	44.17	50.54	54.00	-3.46	Average
2 q	5149.980	7.36	34.00	34.99	44.75	51.12	54.00	-2.88	Average
3	5159.000	7.37	34.00	34.99	79.33	85.71	------	------	Average

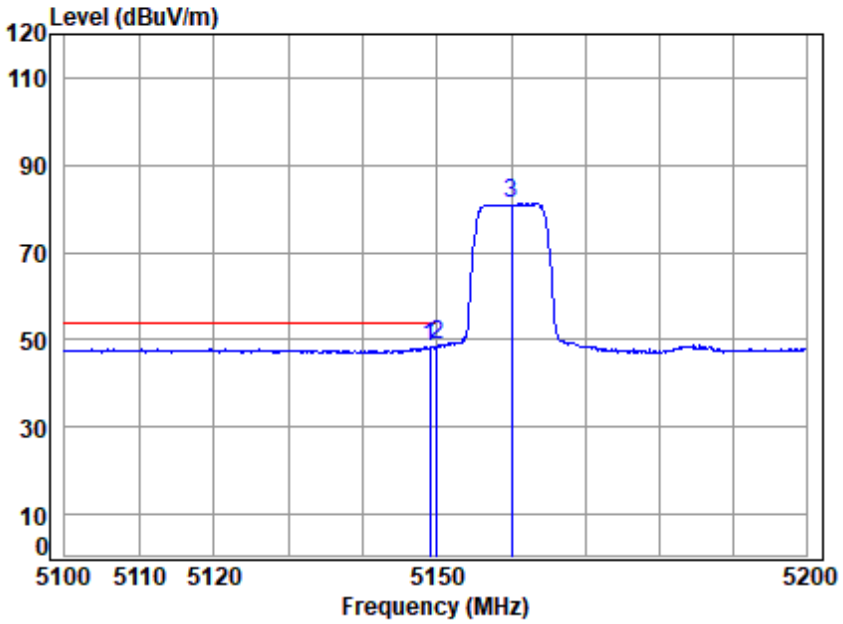
Test Mode: 31; Polarity: Horizontal; Modulation: OFDM; Channel: Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01004AT\01005AT
Mode : 5160 Band edge
: SDR 10M

	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	5118.553	7.33	34.06	34.99	54.34	60.74	74.00	-13.26	peak
2	5149.980	7.36	34.00	34.99	54.12	60.49	74.00	-13.51	peak
3 q	5160.000	7.37	34.00	34.99	86.15	92.53	68.20	24.33	peak

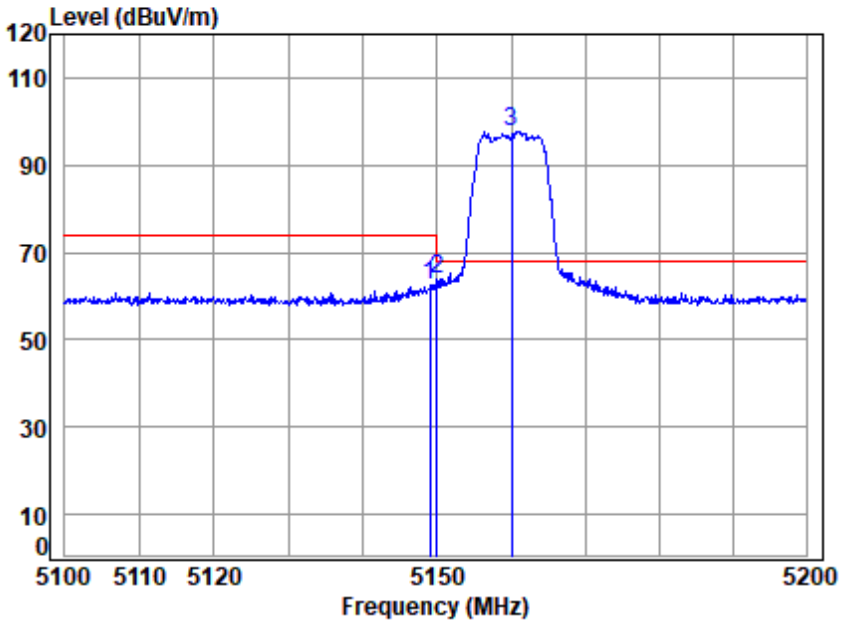
Test Mode: 31; Polarity: Horizontal; Modulation: OFDM; Channel: Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01004AT\01005AT
Mode : 5160 Band edge
: SDR 10M

	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	5149.057	7.36	34.00	34.99	42.07	48.44	54.00	-5.56	Average
2 q	5149.980	7.36	34.00	34.99	42.51	48.88	54.00	-5.12	Average
3	5160.000	7.37	34.00	34.99	74.82	81.20	------	------	Average

Test Mode: 31; Polarity: Vertical; Modulation: OFDM; Channel: Low



Site : chamber
Condition: 3m VERTICAL
Job No : 01004AT\01005AT
Mode : 5160 Band edge
: SDR 10M

	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	5149.057	7.36	34.00	34.99	56.11	62.48	74.00	-11.52	Peak
2	5149.980	7.36	34.00	34.99	57.65	64.02	74.00	-9.98	Peak
3 q	5160.000	7.37	34.00	34.99	91.26	97.64	68.20	29.44	Peak

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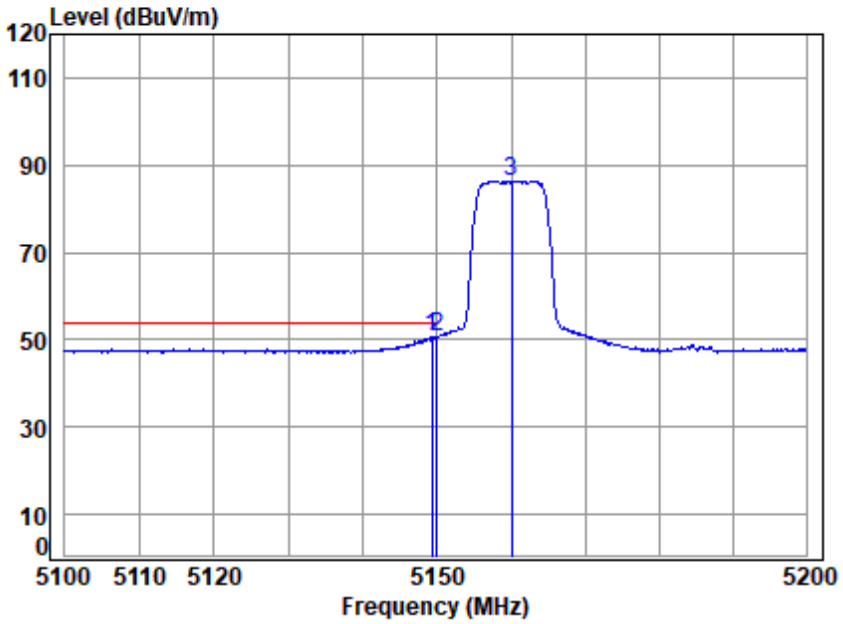
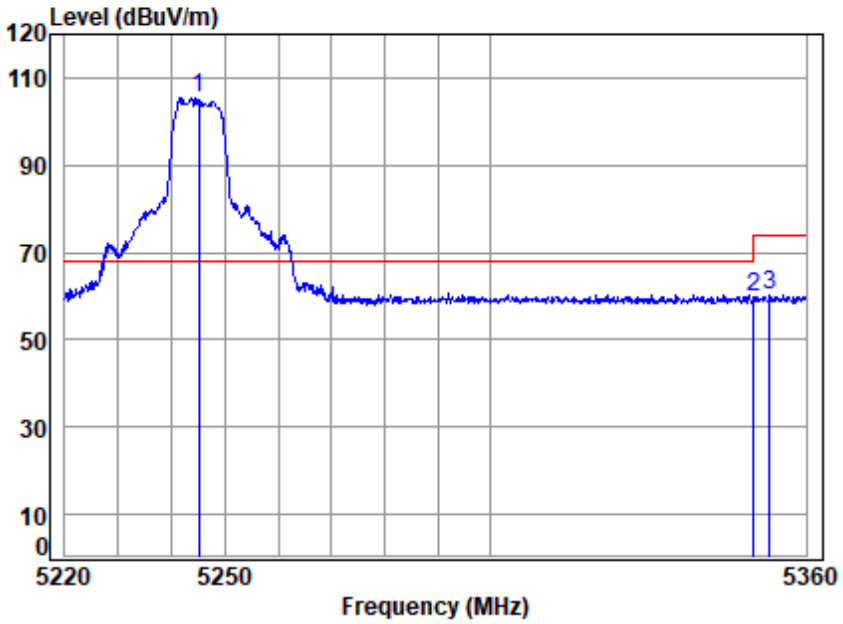
Test Mode: 31; Polarity: Vertical; Modulation: OFDM; Channel: Low



Site : chamber
Condition: 3m VERTICAL
Job No : 01004AT\01005AT
Mode : 5160 Band edge
: SDR 10M

	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	5149.257	7.36	34.00	34.99	44.21	50.58	54.00	-3.42	Average
2 q	5149.980	7.36	34.00	34.99	44.37	50.74	54.00	-3.26	Average
3	5160.000	7.37	34.00	34.99	79.94	86.32	------	------	Average

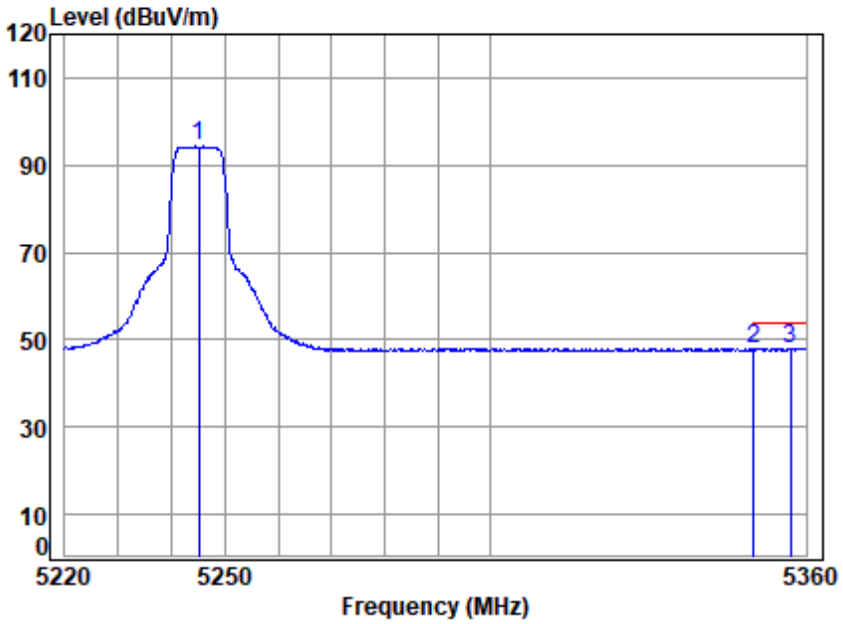
Test Mode: 31; Polarity: Horizontal; Modulation: OFDM; Channel: High



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01004AT\01005AT
Mode : 5245 Band edge
: SDR 10M

	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 q	5245.000	7.46	34.00	35.00	99.06	105.52	68.20	37.32	peak
2	5350.020	7.56	34.30	35.00	52.76	59.62	74.00	-14.38	peak
3	5353.053	7.57	34.31	35.00	53.48	60.36	74.00	-13.64	peak

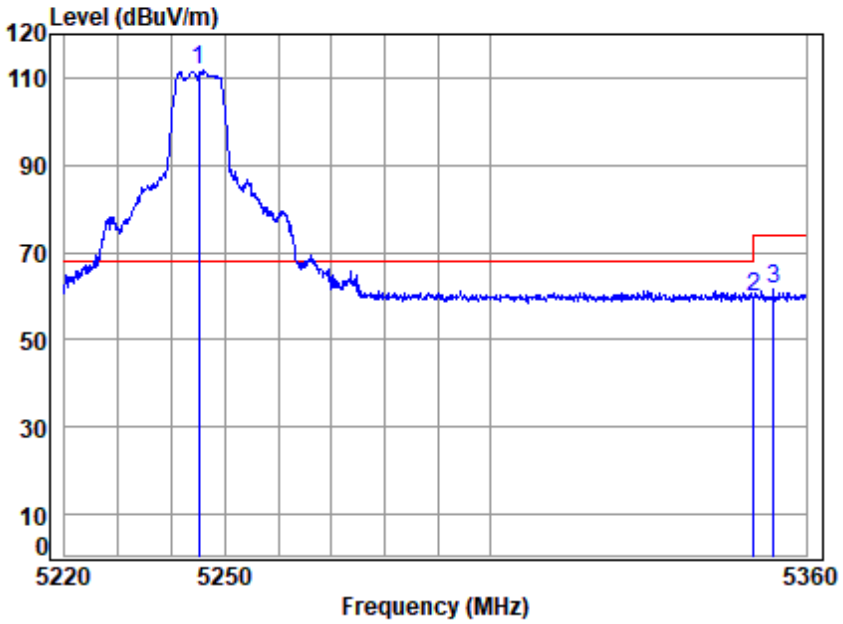
Test Mode: 31; Polarity: Horizontal; Modulation: OFDM; Channel: High



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01004AT\01005AT
Mode : 5245 Band edge
: SDR 10M

	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	5245.000	7.46	34.00	35.00	87.82	94.28	------	------	Average
2	5350.020	7.56	34.30	35.00	40.92	47.78	54.00	-6.22	Average
3 q	5357.022	7.57	34.33	35.00	41.19	48.09	54.00	-5.91	Average

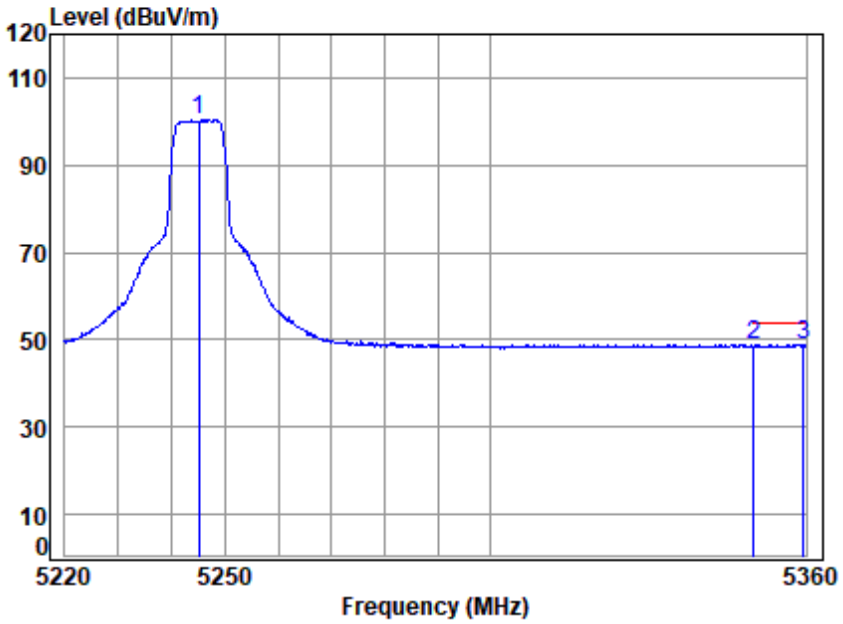
Test Mode: 31; Polarity: Vertical; Modulation: OFDM; Channel: High



Site : chamber
Condition: 3m VERTICAL
Job No : 01004AT\01005AT
Mode : 5245 Band edge
: SDR 10M

	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 q	5245.000	7.46	34.00	35.00	105.13	111.59	68.20	43.39	Peak
2	5350.020	7.56	34.30	35.00	52.88	59.74	74.00	-14.26	Peak
3	5353.762	7.57	34.32	35.00	54.48	61.37	74.00	-12.63	Peak

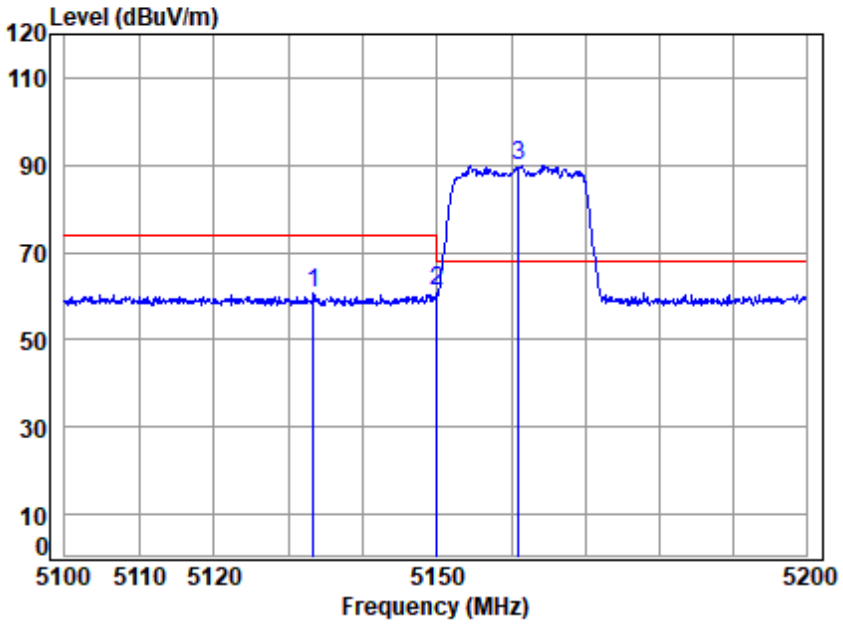
Test Mode: 31; Polarity: Vertical; Modulation: OFDM; Channel: High



Site : chamber
Condition: 3m VERTICAL
Job No : 01004AT\01005AT
Mode : 5245 Band edge
: SDR 10M

	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	5245.000	7.46	34.00	35.00	93.83	100.29	------	------	Average
2	5350.020	7.56	34.30	35.00	41.95	48.81	54.00	-5.19	Average
3 q	5359.433	7.57	34.34	35.00	41.99	48.90	54.00	-5.10	Average

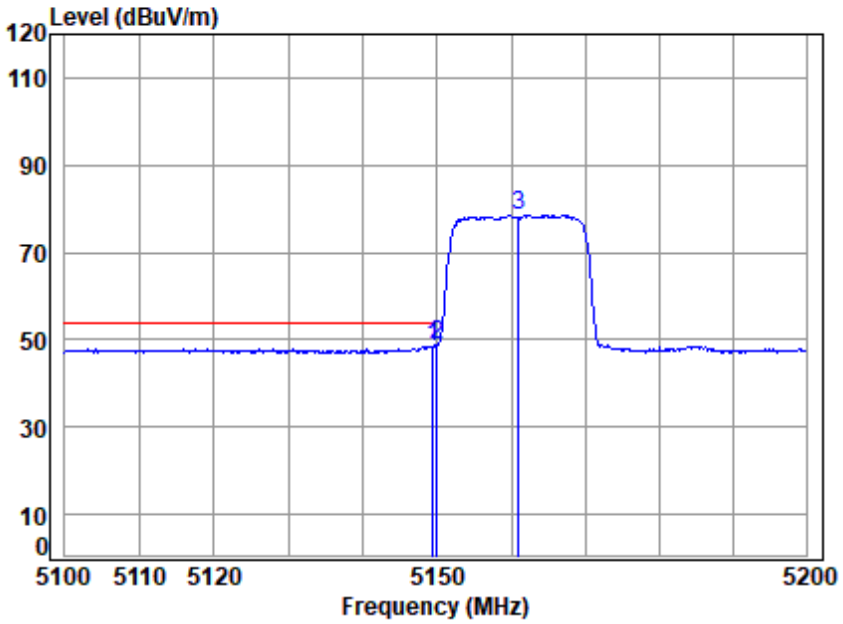
Test Mode: 33; Polarity: Horizontal; Modulation: OFDM; Channel: Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01004AT\01005AT
Mode : 5161 Band edge
: 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	5133.284	7.35	34.03	34.99	54.16	60.55	74.00	-13.45	peak
2	5149.980	7.36	34.00	34.99	54.85	61.22	74.00	-12.78	peak
3 q	5161.000	7.38	34.00	34.99	83.36	89.75	68.20	21.55	peak

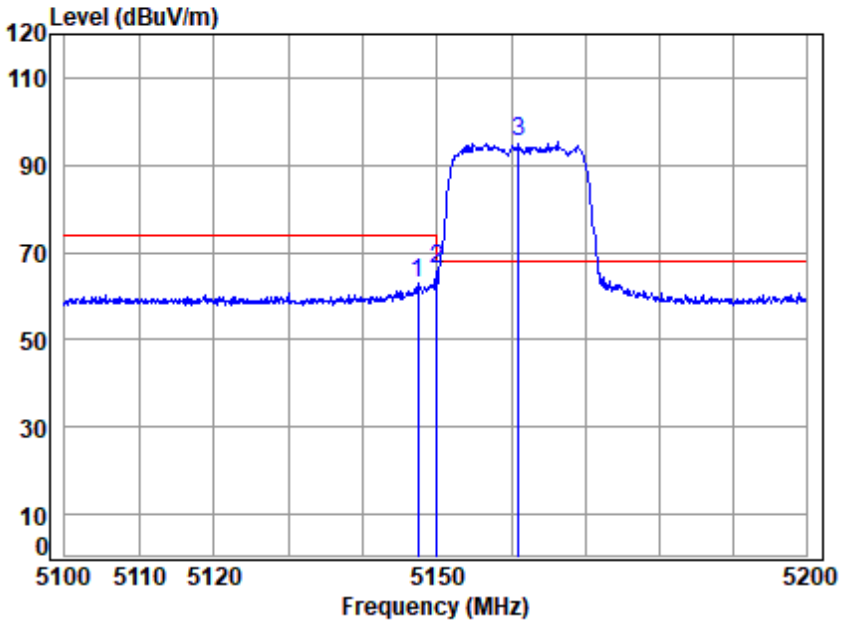
Test Mode: 33; Polarity: Horizontal; Modulation: OFDM; Channel: Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01004AT\01005AT
Mode : 5161 Band edge
: 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	5149.357	7.36	34.00	34.99	42.13	48.50	54.00	-5.50	Average
2 q	5149.980	7.36	34.00	34.99	42.52	48.89	54.00	-5.11	Average
3	5161.000	7.38	34.00	34.99	72.30	78.69	------	------	Average

Test Mode: 33; Polarity: Vertical; Modulation: OFDM; Channel: Low



Site : chamber
Condition: 3m VERTICAL
Job No : 01004AT\01005AT
Mode : 5161 Band edge
: 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	5147.358	7.36	34.01	34.99	56.46	62.84	74.00	-11.16	Peak
2	5149.980	7.36	34.00	34.99	59.74	66.11	74.00	-7.89	Peak
3 q	5161.000	7.38	34.00	34.99	88.82	95.21	68.20	27.01	Peak

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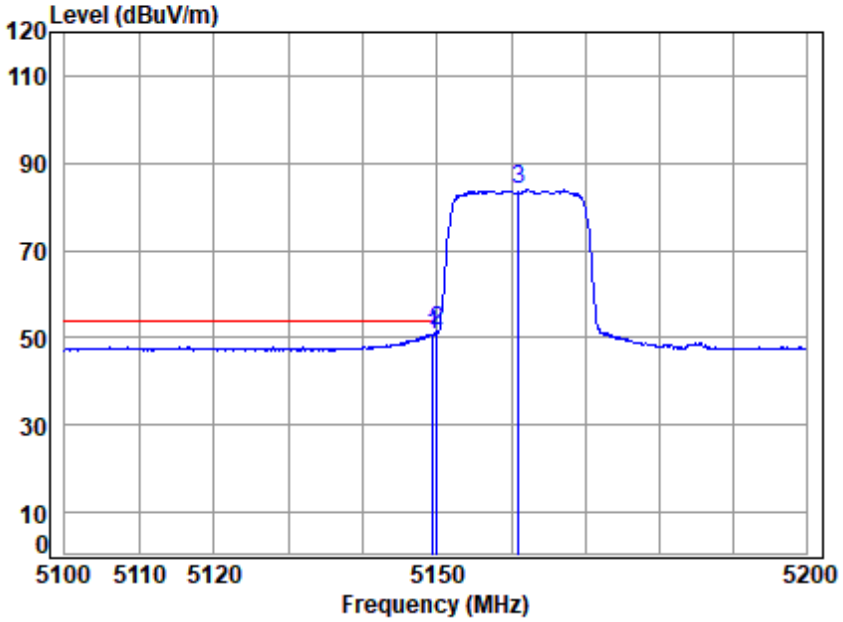
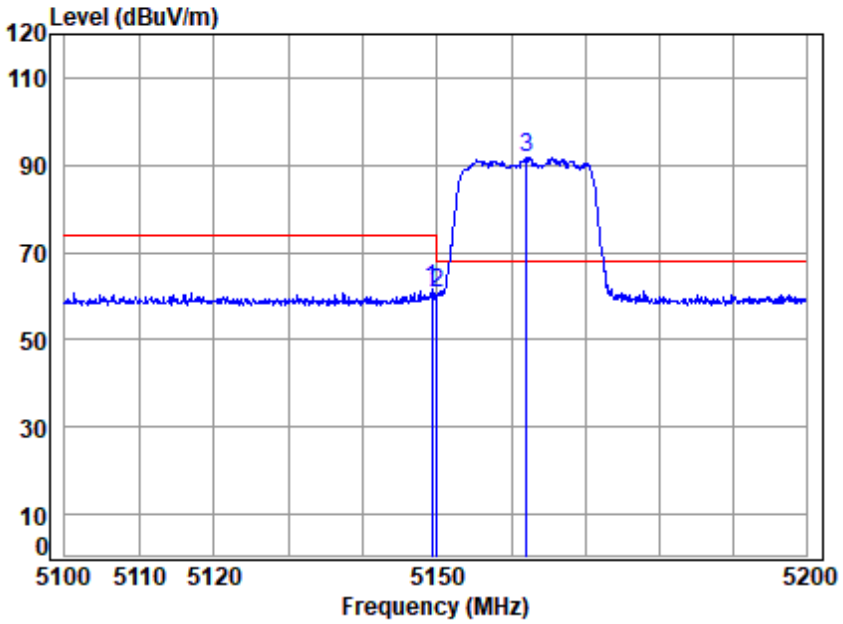
Test Mode: 33; Polarity: Vertical; Modulation: OFDM; Channel: Low



Site : chamber
Condition: 3m VERTICAL
Job No : 01004AT\01005AT
Mode : 5161 Band edge
: 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	5149.458	7.36	34.00	34.99	44.38	50.75	54.00	-3.25	Average
2 q	5149.980	7.36	34.00	34.99	45.09	51.46	54.00	-2.54	Average
3	5161.000	7.38	34.00	34.99	77.50	83.89	------	------	Average

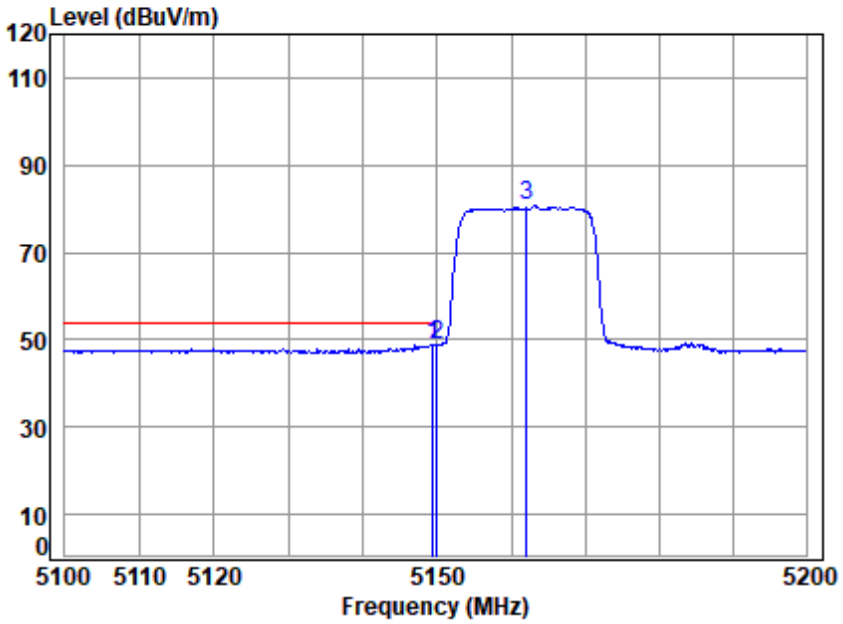
Test Mode: 33; Polarity: Horizontal; Modulation: OFDM; Channel: Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01004AT\01005AT
Mode : 5162 Band edge
: 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	5149.257	7.36	34.00	34.99	55.03	61.40	74.00	-12.60	peak
2	5149.980	7.36	34.00	34.99	54.25	60.62	74.00	-13.38	peak
3 q	5162.000	7.38	34.00	34.99	85.46	91.85	68.20	23.65	peak

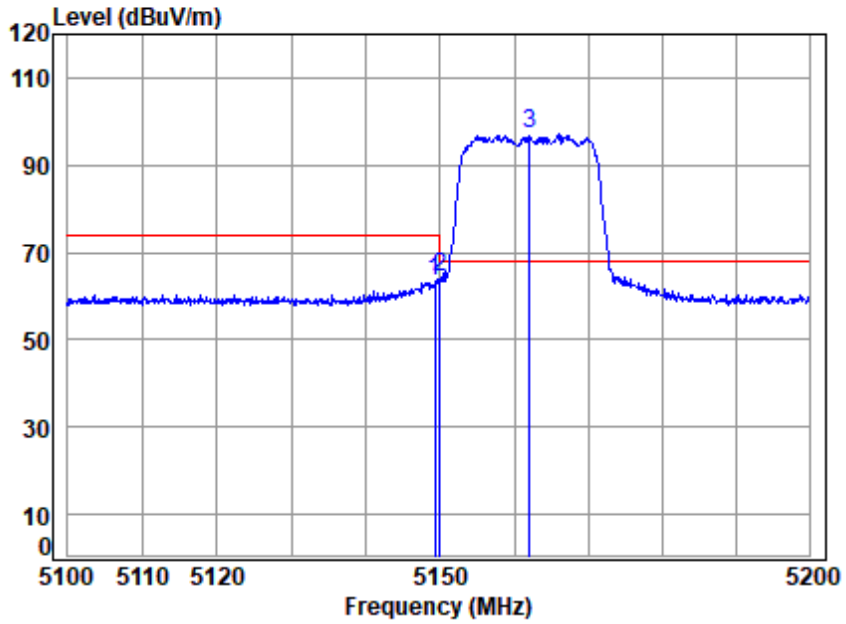
Test Mode: 33; Polarity: Horizontal; Modulation: OFDM; Channel: Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01004AT\01005AT
Mode : 5162 Band edge
: 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	5149.458	7.36	34.00	34.99	42.40	48.77	54.00	-5.23	Average
2 q	5149.980	7.36	34.00	34.99	42.57	48.94	54.00	-5.06	Average
3	5162.000	7.38	34.00	34.99	74.24	80.63	------	------	Average

Test Mode: 33; Polarity: Vertical; Modulation: OFDM; Channel: Low



Site : chamber
Condition: 3m VERTICAL
Job No : 01004AT\01005AT
Mode : 5162 Band edge
: 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	5149.257	7.36	34.00	34.99	56.85	63.22	74.00	-10.78	Peak
2	5149.980	7.36	34.00	34.99	58.00	64.37	74.00	-9.63	Peak
3 q	5162.000	7.38	34.00	34.99	90.69	97.08	68.20	28.88	Peak

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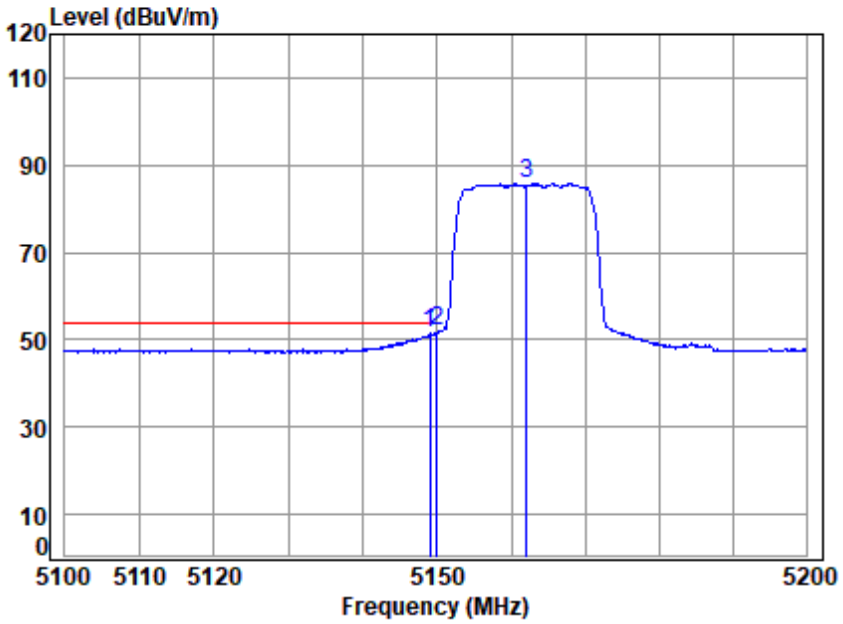
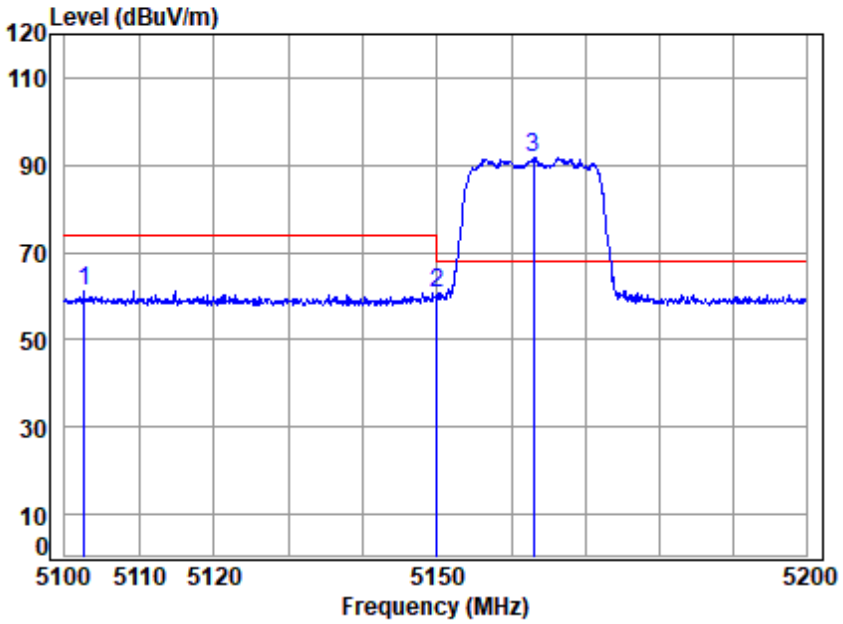
Test Mode: 33; Polarity: Vertical; Modulation: OFDM; Channel: Low



Site : chamber
Condition: 3m VERTICAL
Job No : 01004AT\01005AT
Mode : 5162 Band edge
: 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	5149.057	7.36	34.00	34.99	44.96	51.33	54.00	-2.67	Average
2 q	5149.980	7.36	34.00	34.99	45.50	51.87	54.00	-2.13	Average
3	5162.000	7.38	34.00	34.99	79.48	85.87	------	------	Average

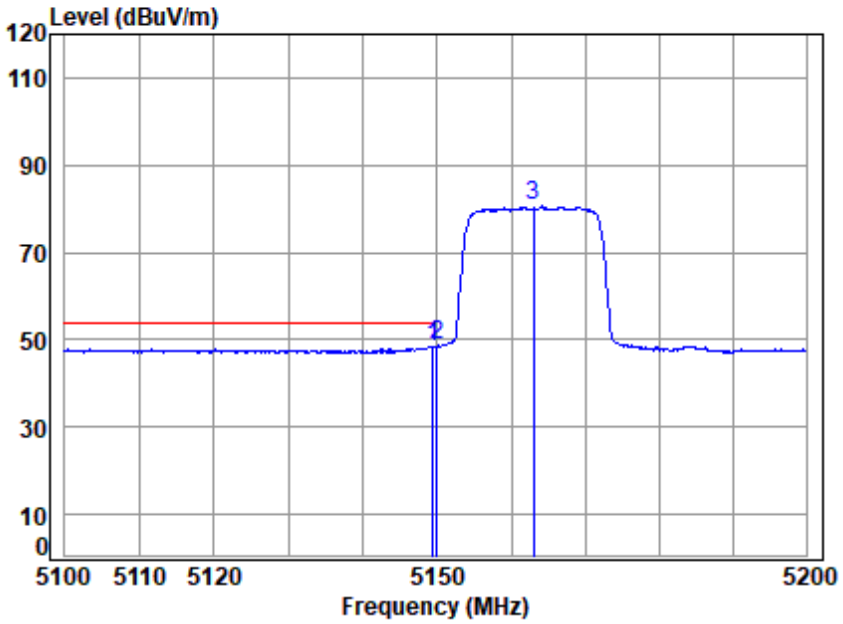
Test Mode: 33; Polarity: Horizontal; Modulation: OFDM; Channel: Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01004AT\01005AT
Mode : 5163 Band edge
: 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	5102.576	7.32	34.09	34.99	54.90	61.32	74.00	-12.68	peak
2	5149.980	7.36	34.00	34.99	54.23	60.60	74.00	-13.40	peak
3 q	5163.000	7.38	34.00	34.99	85.23	91.62	68.20	23.42	peak

Test Mode: 33; Polarity: Horizontal; Modulation: OFDM; Channel: Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01004AT\01005AT
Mode : 5163 Band edge
: 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	5149.458	7.36	34.00	34.99	42.13	48.50	54.00	-5.50	Average
2 q	5149.980	7.36	34.00	34.99	42.27	48.64	54.00	-5.36	Average
3	5163.000	7.38	34.00	34.99	74.40	80.79	------	------	Average

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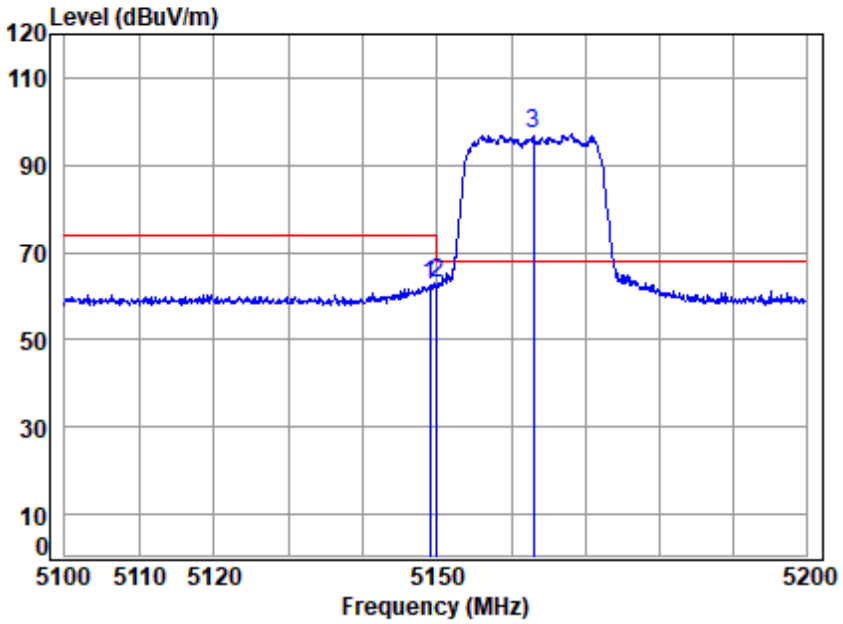
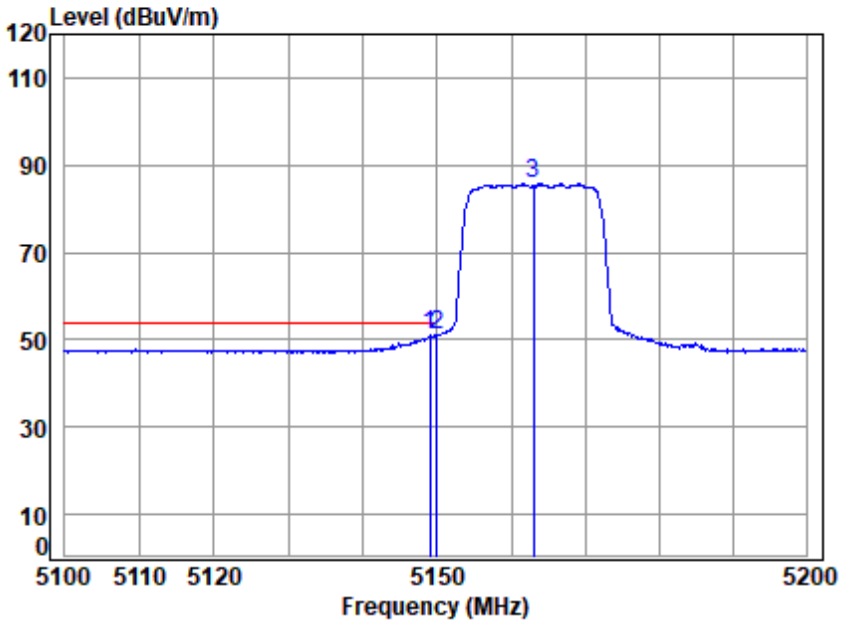
Test Mode: 33; Polarity: Vertical; Modulation: OFDM; Channel: Low



Site : chamber
Condition: 3m VERTICAL
Job No : 01004AT\01005AT
Mode : 5163 Band edge
: 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	5148.958	7.36	34.00	34.99	56.34	62.71	74.00	-11.29	Peak
2	5149.980	7.36	34.00	34.99	56.77	63.14	74.00	-10.86	Peak
3 q	5163.000	7.38	34.00	34.99	90.76	97.15	68.20	28.95	Peak

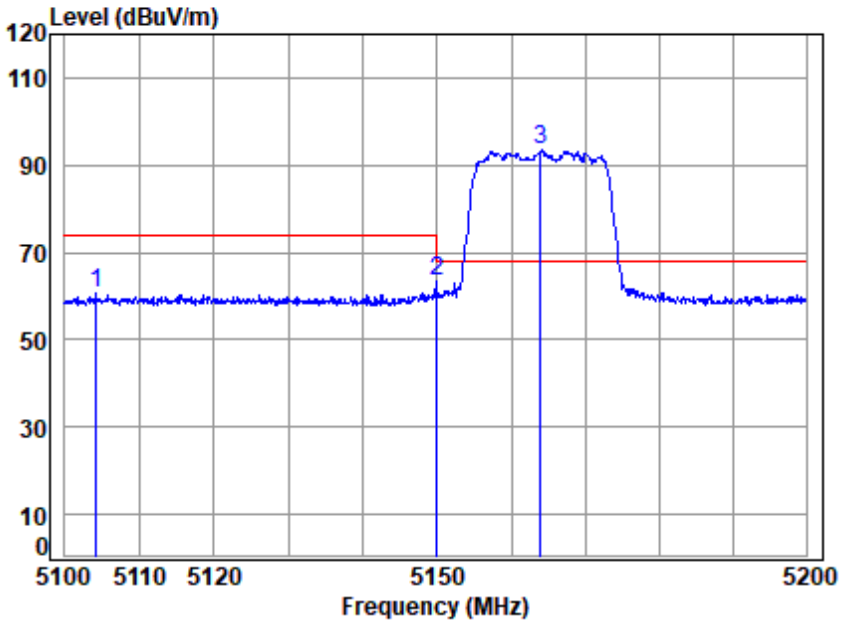
Test Mode: 33; Polarity: Vertical; Modulation: OFDM; Channel: Low



Site : chamber
Condition: 3m VERTICAL
Job No : 01004AT\01005AT
Mode : 5163 Band edge
: 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	5149.057	7.36	34.00	34.99	44.58	50.95	54.00	-3.05	Average
2 q	5149.980	7.36	34.00	34.99	44.78	51.15	54.00	-2.85	Average
3	5163.000	7.38	34.00	34.99	79.37	85.76	------	------	Average

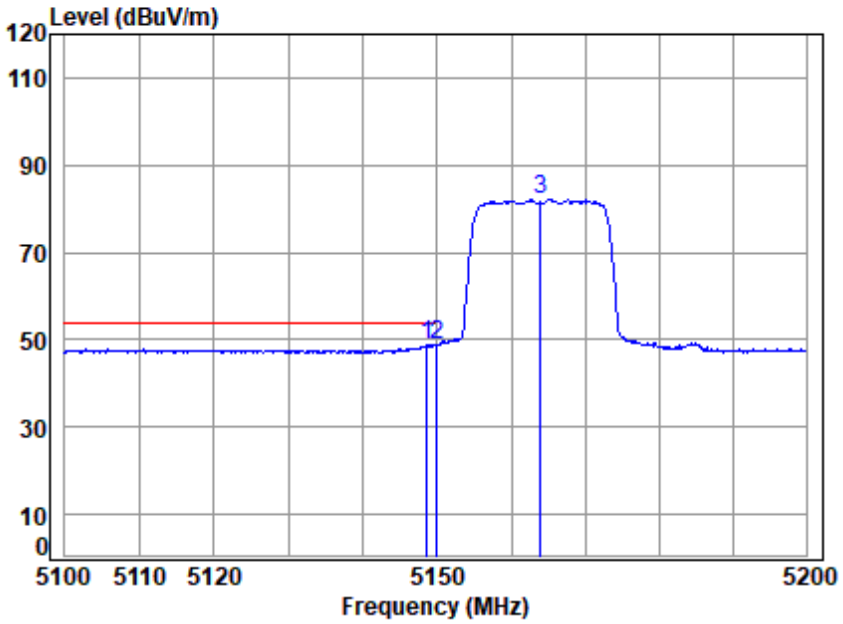
Test Mode: 33; Polarity: Horizontal; Modulation: OFDM; Channel: Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01004AT\01005AT
Mode : 5164 Band edge
: 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	5104.260	7.32	34.09	34.99	54.19	60.61	74.00	-13.39	peak
2	5149.980	7.36	34.00	34.99	57.16	63.53	74.00	-10.47	peak
3 q	5164.000	7.38	34.00	34.99	86.92	93.31	68.20	25.11	peak

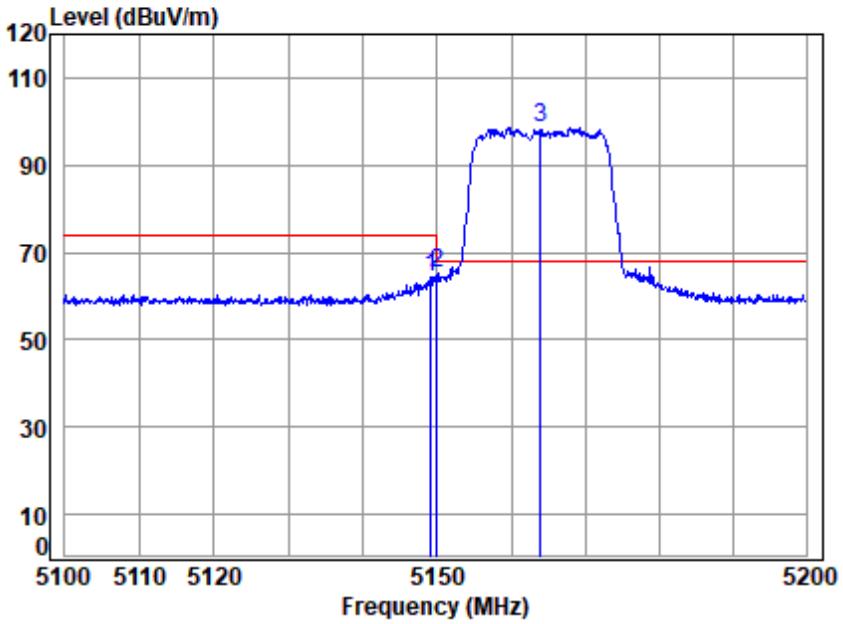
Test Mode: 33; Polarity: Horizontal; Modulation: OFDM; Channel: Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01004AT\01005AT
Mode : 5164 Band edge
: 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	5148.657	7.36	34.00	34.99	42.50	48.87	54.00	-5.13	Average
2 q	5149.980	7.36	34.00	34.99	42.56	48.93	54.00	-5.07	Average
3	5164.000	7.38	34.00	34.99	75.86	82.25	------	------	Average

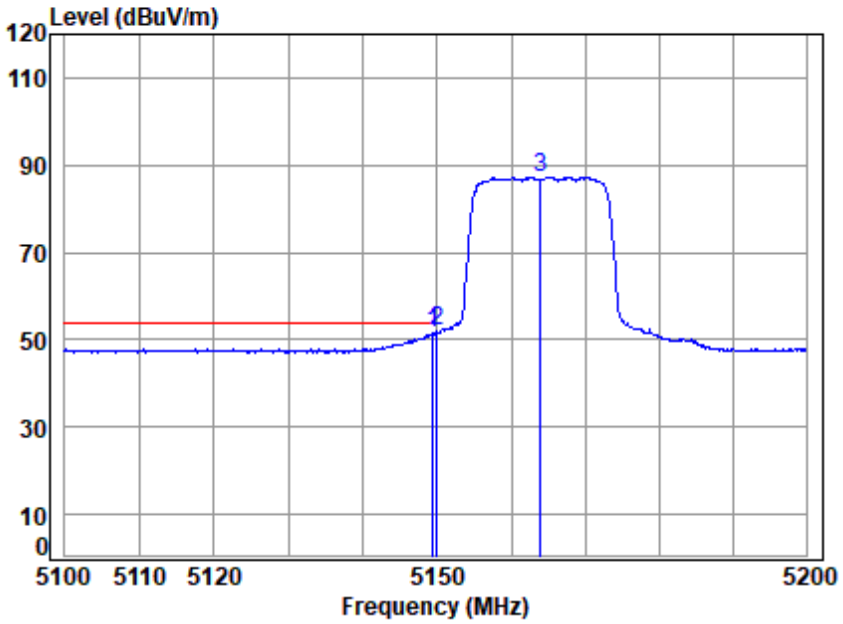
Test Mode: 33; Polarity: Vertical; Modulation: OFDM; Channel: Low



Site : chamber
Condition: 3m VERTICAL
Job No : 01004AT\01005AT
Mode : 5164 Band edge
: 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	5149.157	7.36	34.00	34.99	57.98	64.35	74.00	-9.65	Peak
2	5149.980	7.36	34.00	34.99	58.83	65.20	74.00	-8.80	Peak
3 q	5164.000	7.38	34.00	34.99	92.23	98.62	68.20	30.42	Peak

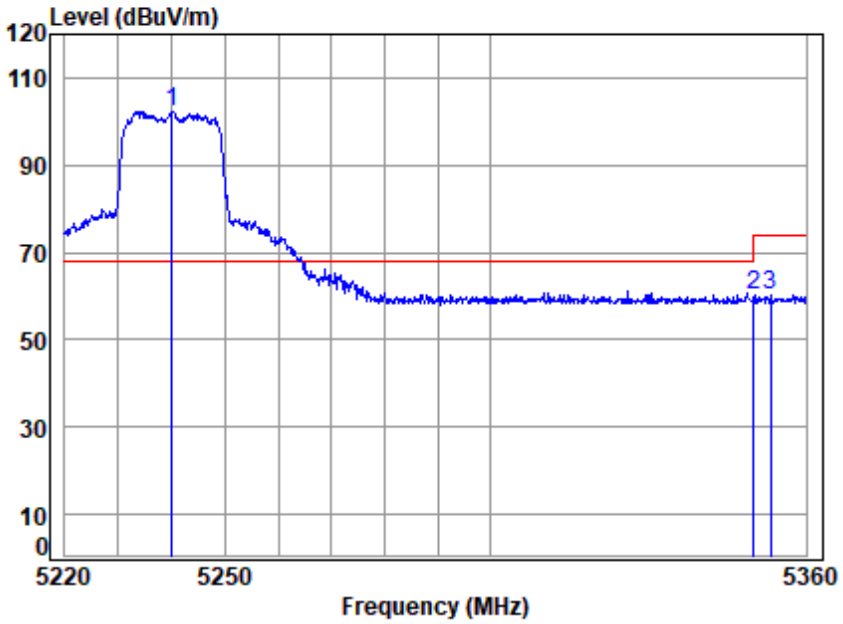
Test Mode: 33; Polarity: Vertical; Modulation: OFDM; Channel: Low



Site : chamber
Condition: 3m VERTICAL
Job No : 01004AT\01005AT
Mode : 5164 Band edge
: 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	5149.357	7.36	34.00	34.99	44.97	51.34	54.00	-2.66	Average
2 q	5149.980	7.36	34.00	34.99	45.45	51.82	54.00	-2.18	Average
3	5164.000	7.38	34.00	34.99	80.90	87.29	------	------	Average

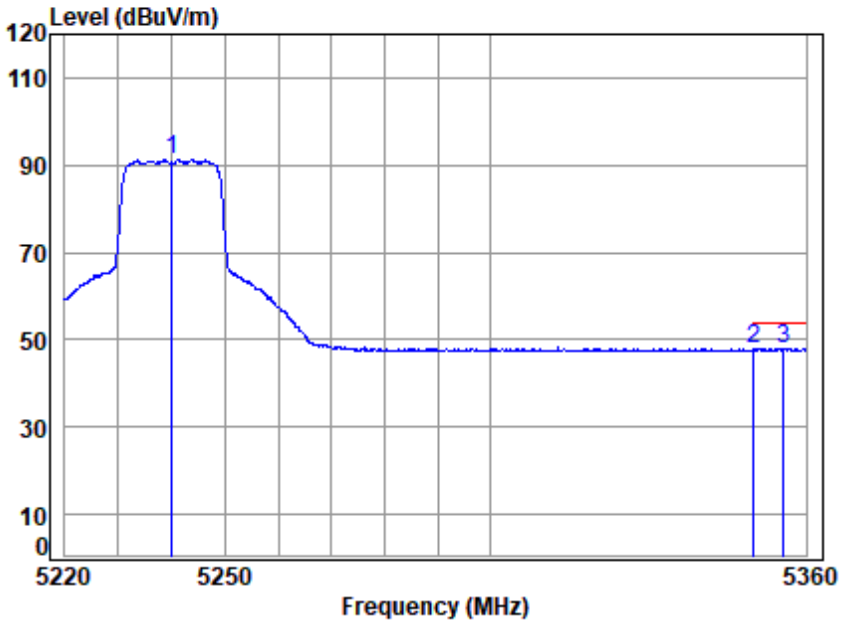
Test Mode: 33; Polarity: Horizontal; Modulation: OFDM; Channel: High



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01004AT\01005AT
Mode : 5240 Band edge
: 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 q	5240.000	7.45	34.00	35.00	95.91	102.36	68.20	34.16	peak
2	5350.020	7.56	34.30	35.00	53.43	60.29	74.00	-13.71	peak
3	5353.195	7.57	34.31	35.00	53.37	60.25	74.00	-13.75	peak

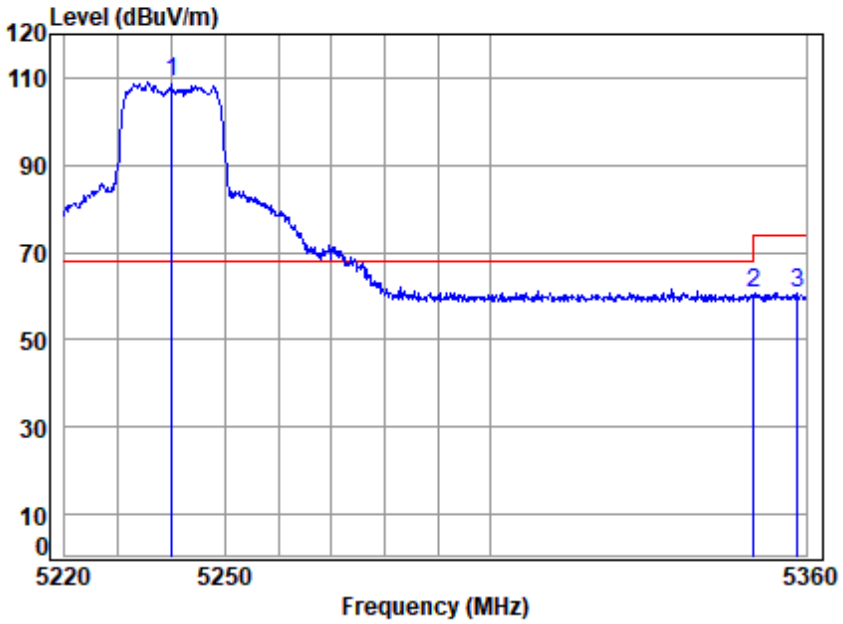
Test Mode: 33; Polarity: Horizontal; Modulation: OFDM; Channel: High



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01004AT\01005AT
Mode : 5240 Band edge
: 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	5240.000	7.45	34.00	35.00	84.94	91.39	------	------	Average
2	5350.020	7.56	34.30	35.00	40.97	47.83	54.00	-6.17	Average
3 q	5355.604	7.57	34.32	35.00	41.11	48.00	54.00	-6.00	Average

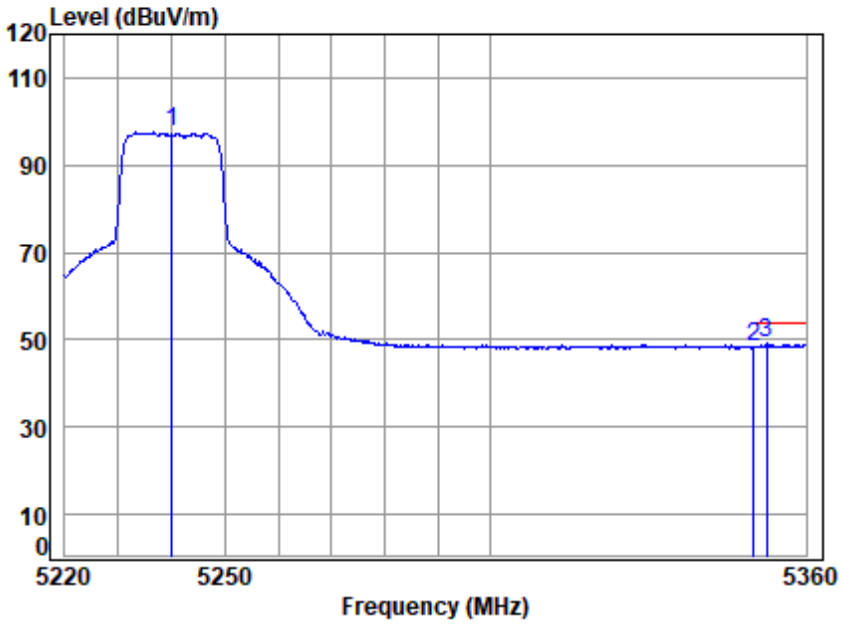
Test Mode: 33; Polarity: Vertical; Modulation: OFDM; Channel: High




```
Site      : chamber
Condition: 3m VERTICAL
Job No    : 01004AT\01005AT
Mode      : 5240 Band edge
          : 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 q	5240.000	7.45	34.00	35.00	102.77	109.22	68.20	41.02	Peak
2	5350.020	7.56	34.30	35.00	53.74	60.60	74.00	-13.40	Peak
3	5358.298	7.57	34.33	35.00	53.69	60.59	74.00	-13.41	Peak

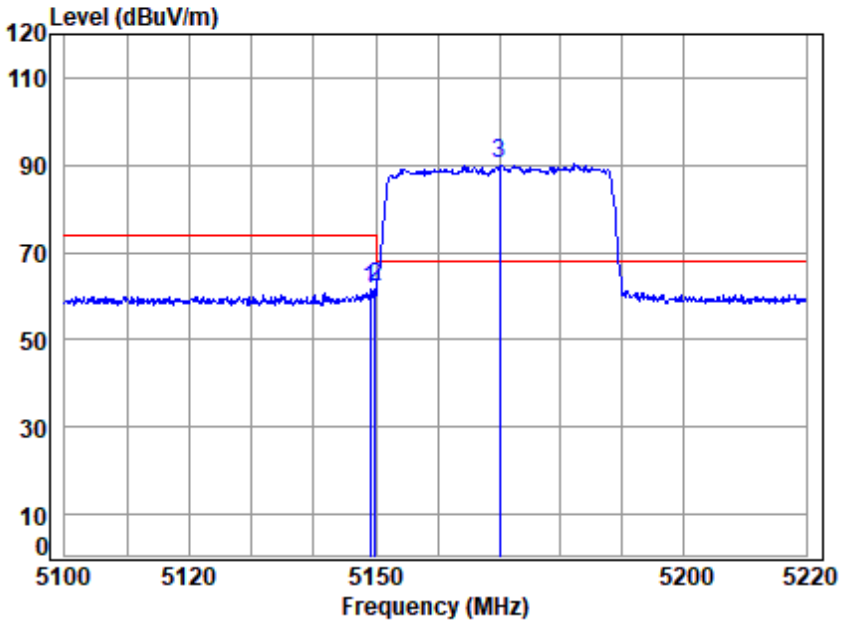
Test Mode: 33; Polarity: Vertical; Modulation: OFDM; Channel: High



Site : chamber
Condition: 3m VERTICAL
Job No : 01004AT\01005AT
Mode : 5240 Band edge
: 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	5240.000	7.45	34.00	35.00	91.04	97.49	------	------	Average
2	5350.020	7.56	34.30	35.00	41.47	48.33	54.00	-5.67	Average
3 q	5352.487	7.56	34.31	35.00	42.33	49.20	54.00	-4.80	Average

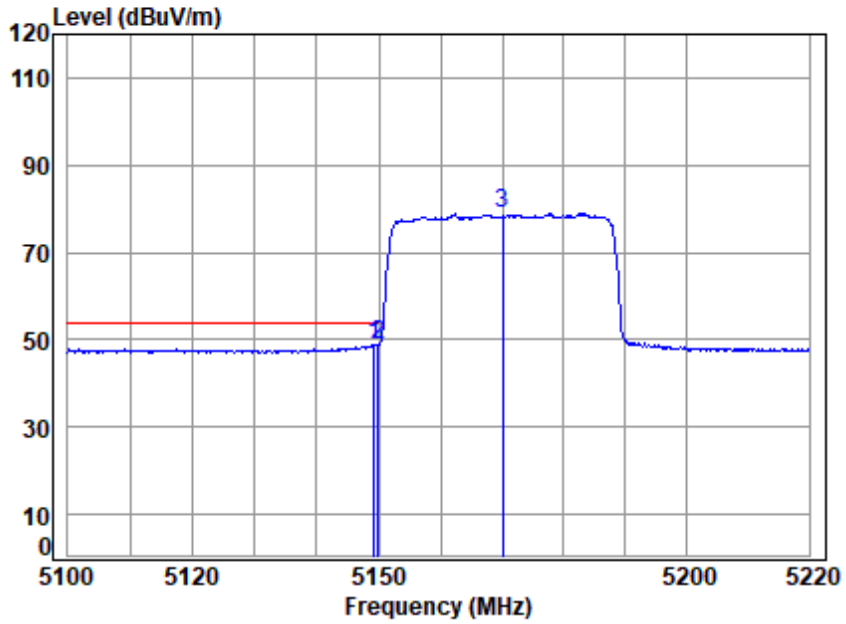
Test Mode: 35; Polarity: Horizontal; Modulation: OFDM; Channel: Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01004AT\01005AT
Mode : 5170 Band edge
: 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	5149.102	7.36	34.00	34.99	55.16	61.53	74.00	-12.47	peak
2	5149.980	7.36	34.00	34.99	55.88	62.25	74.00	-11.75	peak
3 q	5170.000	7.38	34.00	34.99	83.75	90.14	68.20	21.94	peak

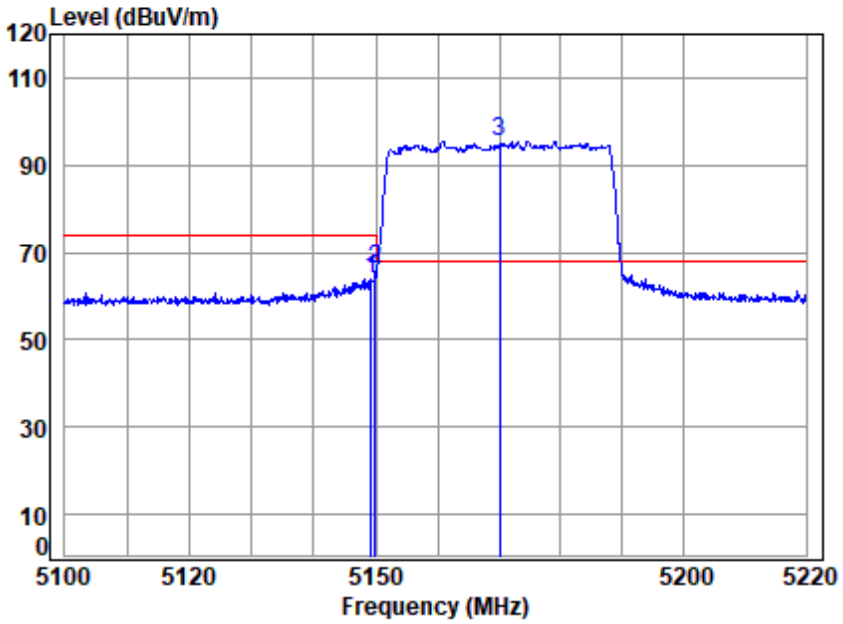
Test Mode: 35; Polarity: Horizontal; Modulation: OFDM; Channel: Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01004AT\01005AT
Mode : 5170 Band edge
: 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	5149.342	7.36	34.00	34.99	42.31	48.68	54.00	-5.32	Average
2 q	5149.980	7.36	34.00	34.99	42.65	49.02	54.00	-4.98	Average
3	5170.000	7.38	34.00	34.99	72.53	78.92	------	------	Average

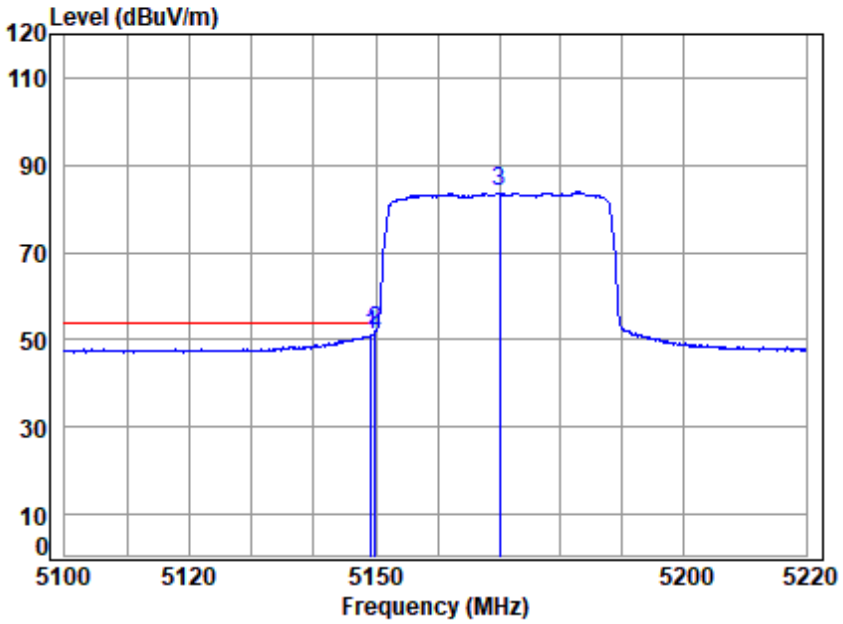
Test Mode: 35; Polarity: Vertical; Modulation: OFDM; Channel: Low



Site : chamber
Condition: 3m VERTICAL
Job No : 01004AT\01005AT
Mode : 5170 Band edge
: 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	5149.342	7.36	34.00	34.99	57.61	63.98	74.00	-10.02	Peak
2	5149.980	7.36	34.00	34.99	59.59	65.96	74.00	-8.04	Peak
3 q	5170.000	7.38	34.00	34.99	89.13	95.52	68.20	27.32	Peak

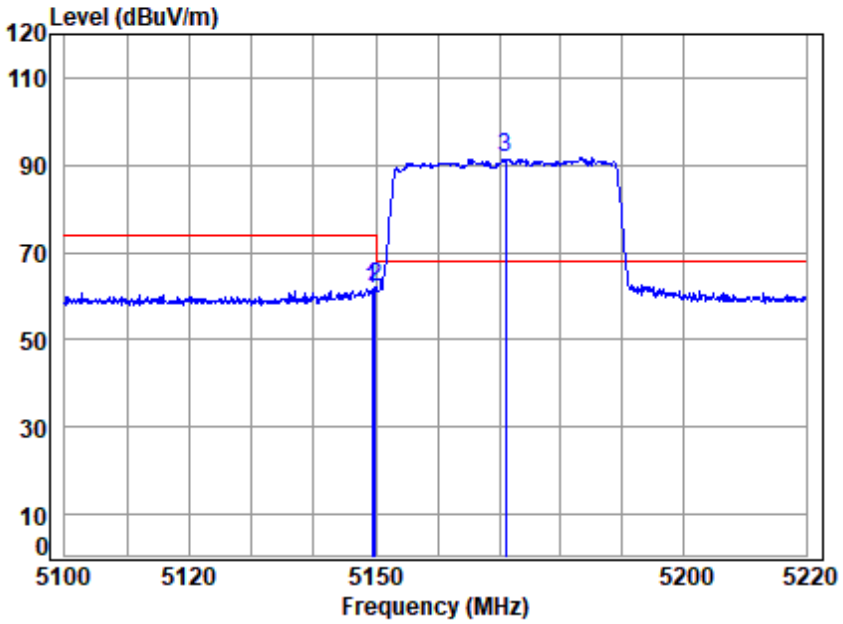
Test Mode: 35; Polarity: Vertical; Modulation: OFDM; Channel: Low



Site : chamber
Condition: 3m VERTICAL
Job No : 01004AT\01005AT
Mode : 5170 Band edge
: 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	5149.222	7.36	34.00	34.99	44.78	51.15	54.00	-2.85	Average
2 q	5149.980	7.36	34.00	34.99	45.57	51.94	54.00	-2.06	Average
3	5170.000	7.38	34.00	34.99	77.41	83.80	------	------	Average

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



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01004AT\01005AT
Mode : 5171 Band edge
: 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	5149.461	7.36	34.00	34.99	55.31	61.68	74.00	-12.32	peak
2	5149.980	7.36	34.00	34.99	55.62	61.99	74.00	-12.01	peak
3 q	5171.000	7.39	34.00	34.99	85.22	91.62	68.20	23.42	peak

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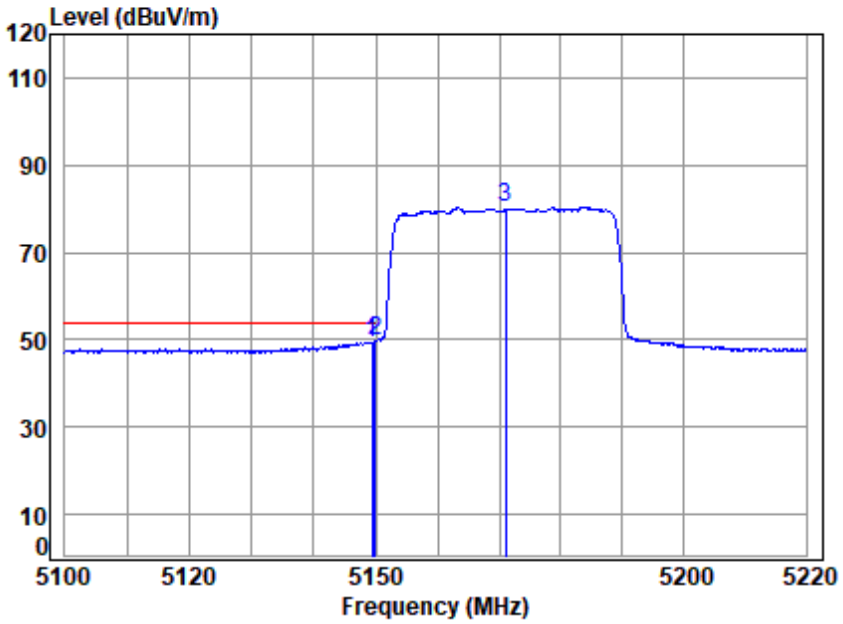
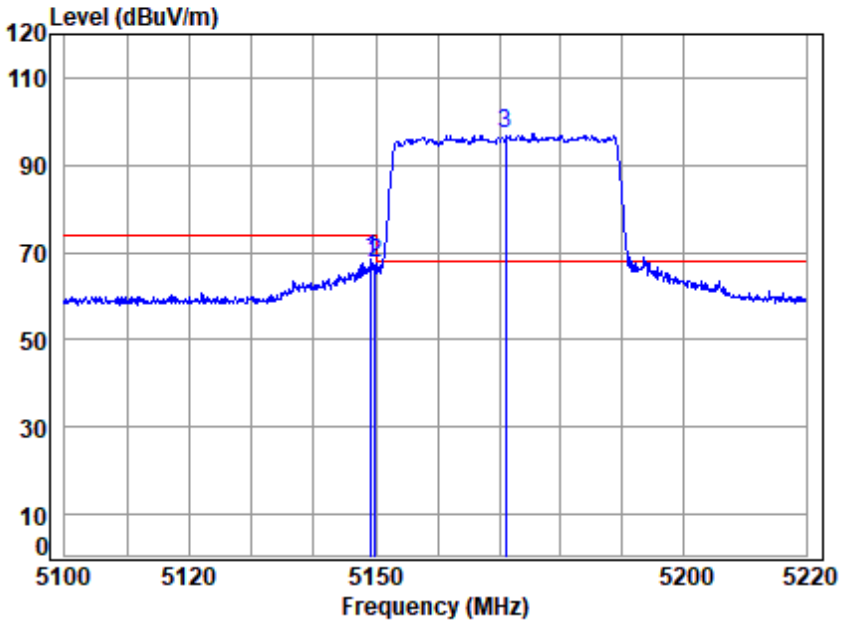
Test Mode: 35; Polarity: Horizontal; Modulation: OFDM; Channel: Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01004AT\01005AT
Mode : 5171 Band edge
: 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	5149.461	7.36	34.00	34.99	43.11	49.48	54.00	-4.52	Average
2 q	5149.980	7.36	34.00	34.99	43.21	49.58	54.00	-4.42	Average
3	5171.000	7.39	34.00	34.99	74.07	80.47	------	------	Average

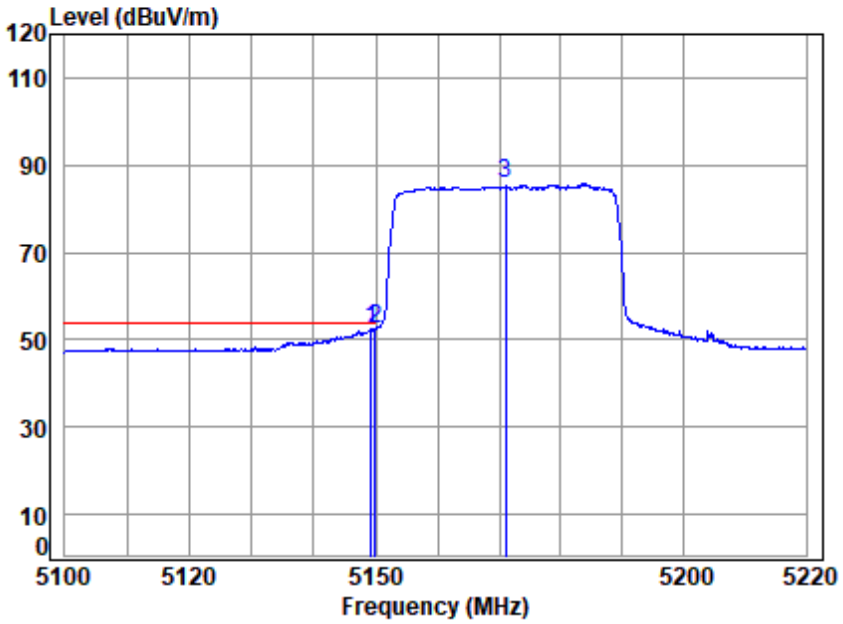
Test Mode: 35; Polarity: Vertical; Modulation: OFDM; Channel: Low



Site : chamber
Condition: 3m VERTICAL
Job No : 01004AT\01005AT
Mode : 5171 Band edge
: 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	5149.342	7.36	34.00	34.99	62.03	68.40	74.00	-5.60	Peak
2	5149.980	7.36	34.00	34.99	60.98	67.35	74.00	-6.65	Peak
3 q	5171.000	7.39	34.00	34.99	90.62	97.02	68.20	28.82	Peak

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



Site : chamber
Condition: 3m VERTICAL
Job No : 01004AT\01005AT
Mode : 5171 Band edge
: 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	5149.222	7.36	34.00	34.99	46.01	52.38	54.00	-1.62	Average
2 q	5149.980	7.36	34.00	34.99	46.33	52.70	54.00	-1.30	Average
3	5171.000	7.39	34.00	34.99	79.32	85.72	------	------	Average

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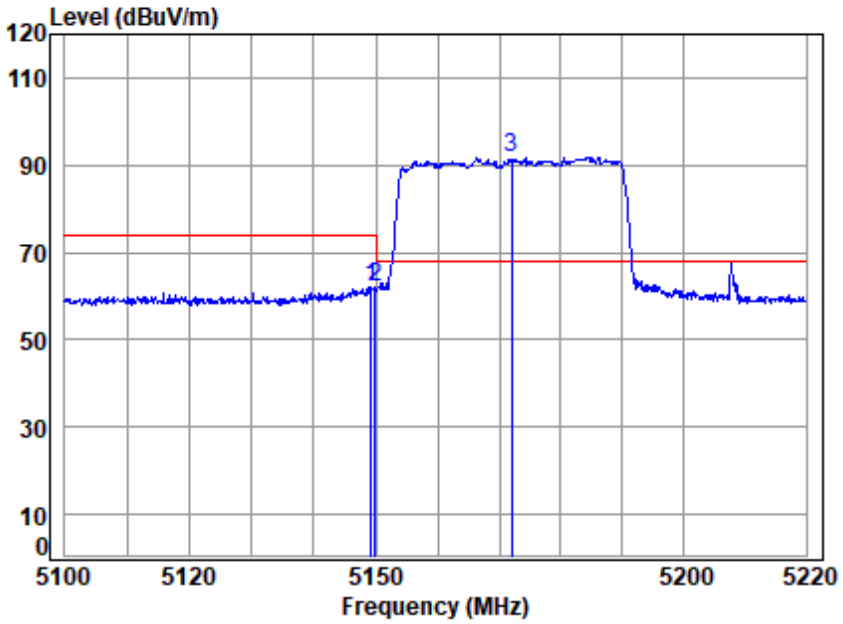
Test Mode: 35; Polarity: Horizontal; Modulation: OFDM; Channel: Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01004AT\01005AT
Mode : 5172 Band edge
: 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	5149.222	7.36	34.00	34.99	55.84	62.21	74.00	-11.79	peak
2	5149.980	7.36	34.00	34.99	55.55	61.92	74.00	-12.08	peak
3 q	5172.000	7.39	34.00	34.99	85.41	91.81	68.20	23.61	peak

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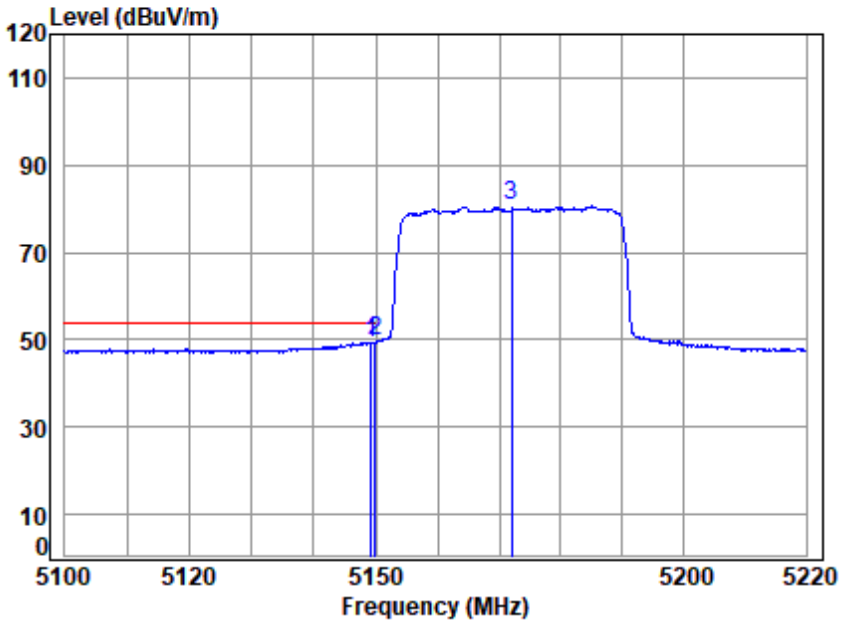
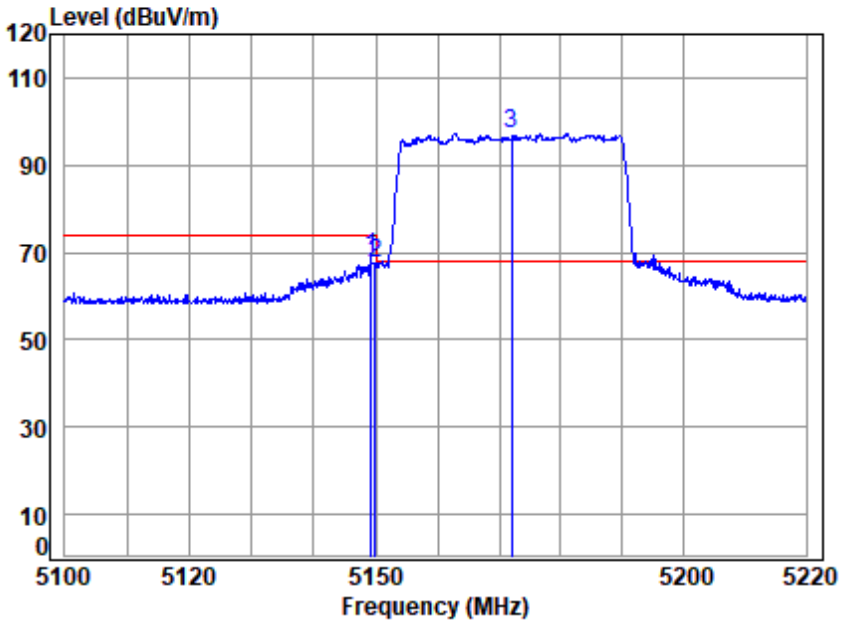
Test Mode: 35; Polarity: Horizontal; Modulation: OFDM; Channel: Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01004AT\01005AT
Mode : 5172 Band edge
: 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	5149.342	7.36	34.00	34.99	43.05	49.42	54.00	-4.58	Average
2 q	5149.980	7.36	34.00	34.99	43.40	49.77	54.00	-4.23	Average
3	5172.000	7.39	34.00	34.99	74.27	80.67	------	------	Average

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



Site : chamber
Condition: 3m VERTICAL
Job No : 01004AT\01005AT
Mode : 5172 Band edge
: 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	5149.222	7.36	34.00	34.99	62.74	69.11	74.00	-4.89	Peak
2	5149.980	7.36	34.00	34.99	60.96	67.33	74.00	-6.67	Peak
3 q	5172.000	7.39	34.00	34.99	90.87	97.27	68.20	29.07	Peak

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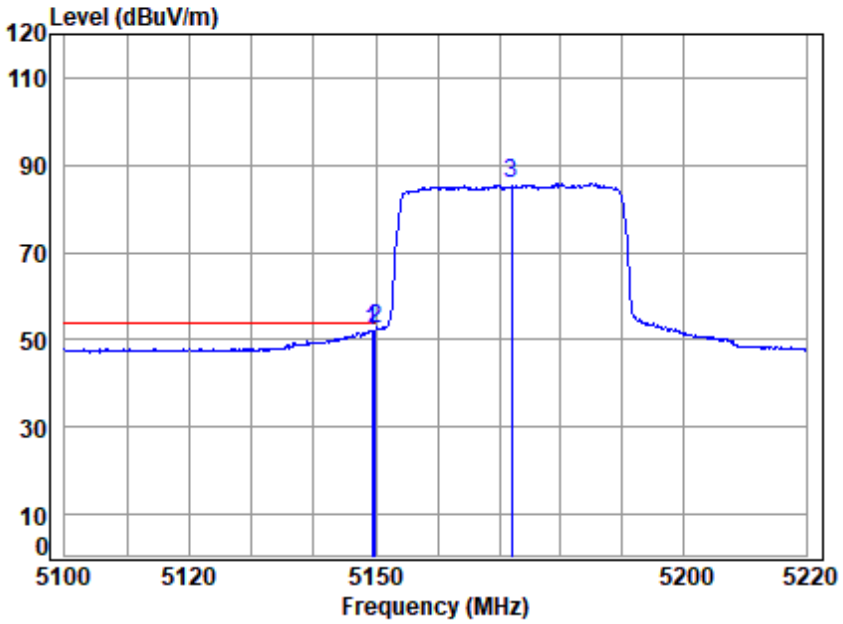
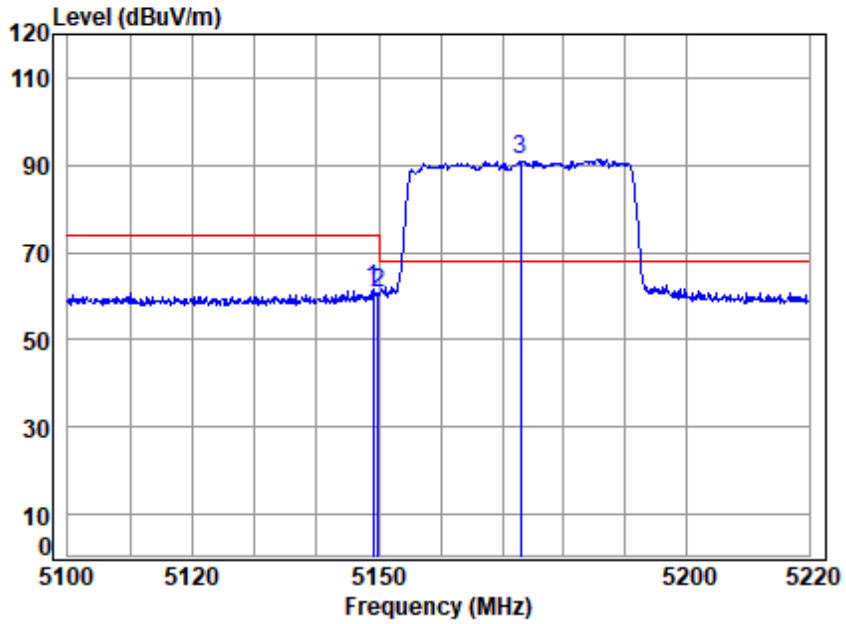
Test Mode: 35; Polarity: Vertical; Modulation: OFDM; Channel: Low



Site : chamber
Condition: 3m VERTICAL
Job No : 01004AT\01005AT
Mode : 5172 Band edge
: 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	5149.461	7.36	34.00	34.99	45.69	52.06	54.00	-1.94	Average
2 q	5149.980	7.36	34.00	34.99	46.14	52.51	54.00	-1.49	Average
3	5172.000	7.39	34.00	34.99	79.60	86.00	------	------	Average

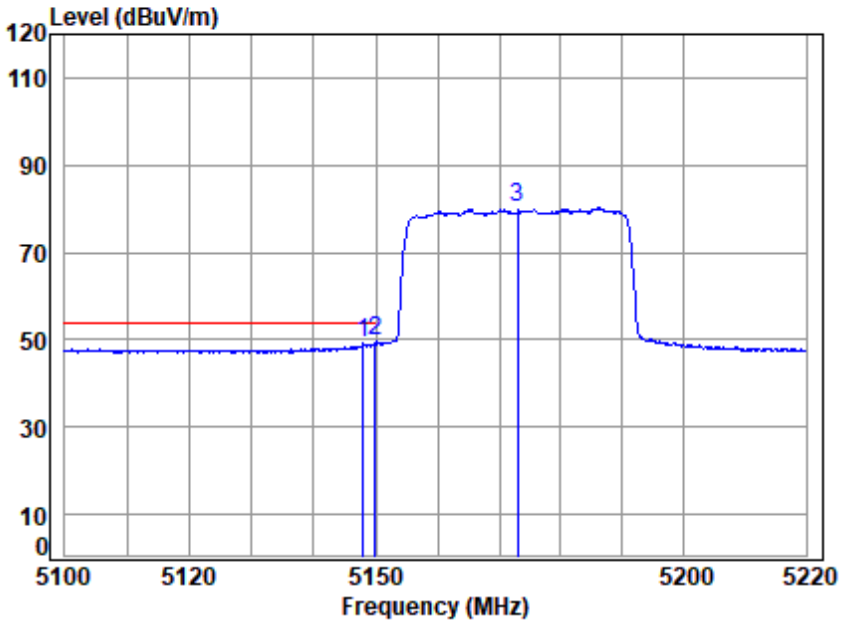
Test Mode: 35; Polarity: Horizontal; Modulation: OFDM; Channel: Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01004AT\01005AT
Mode : 5173 Band edge
: 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	5149.102	7.36	34.00	34.99	55.06	61.43	74.00	-12.57	peak
2	5149.980	7.36	34.00	34.99	54.39	60.76	74.00	-13.24	peak
3 q	5173.000	7.39	34.00	34.99	85.00	91.40	68.20	23.20	peak

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



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01004AT\01005AT
Mode : 5173 Band edge
: 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	5147.905	7.36	34.00	34.99	42.73	49.10	54.00	-4.90	Average
2 q	5149.980	7.36	34.00	34.99	43.19	49.56	54.00	-4.44	Average
3	5173.000	7.39	34.00	34.99	73.79	80.19	------	------	Average

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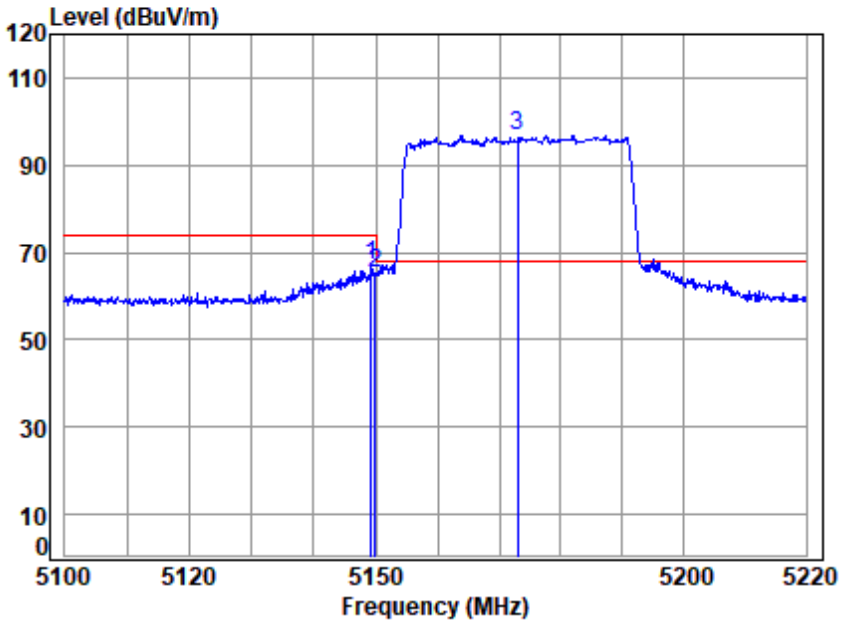
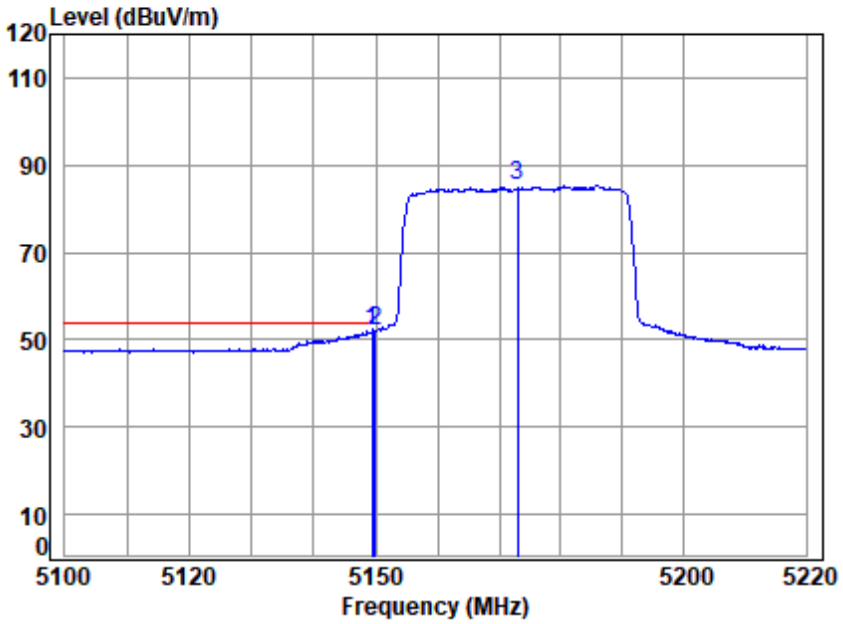
Test Mode: 35; Polarity: Vertical; Modulation: OFDM; Channel: Low



Site : chamber
Condition: 3m VERTICAL
Job No : 01004AT\01005AT
Mode : 5173 Band edge
: 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	5149.342	7.36	34.00	34.99	60.70	67.07	74.00	-6.93	Peak
2	5149.980	7.36	34.00	34.99	58.73	65.10	74.00	-8.90	Peak
3 q	5173.000	7.39	34.00	34.99	90.43	96.83	68.20	28.63	Peak

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



Site : chamber
Condition: 3m VERTICAL
Job No : 01004AT\01005AT
Mode : 5173 Band edge
: 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	5149.461	7.36	34.00	34.99	45.69	52.06	54.00	-1.94	Average
2 q	5149.980	7.36	34.00	34.99	45.81	52.18	54.00	-1.82	Average
3	5173.000	7.39	34.00	34.99	79.05	85.45	------	------	Average

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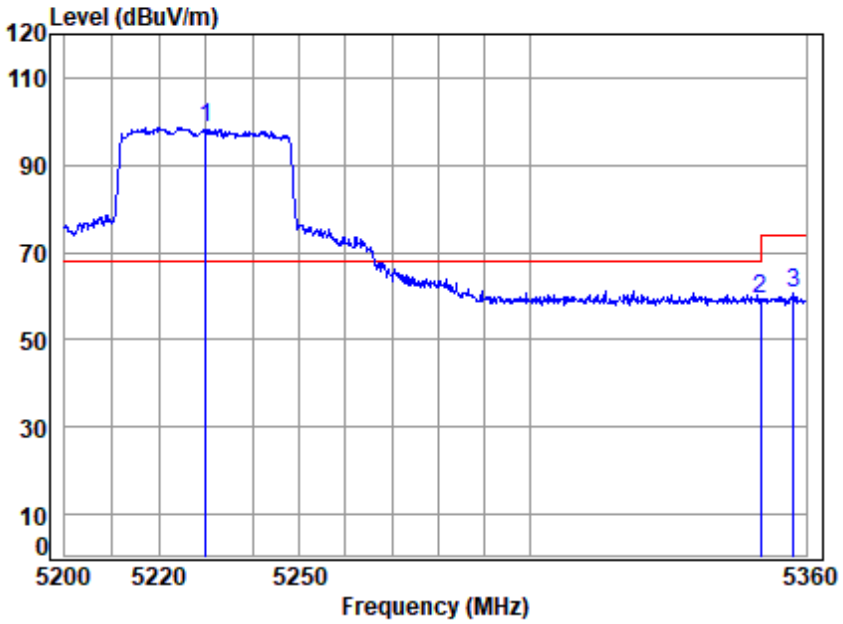
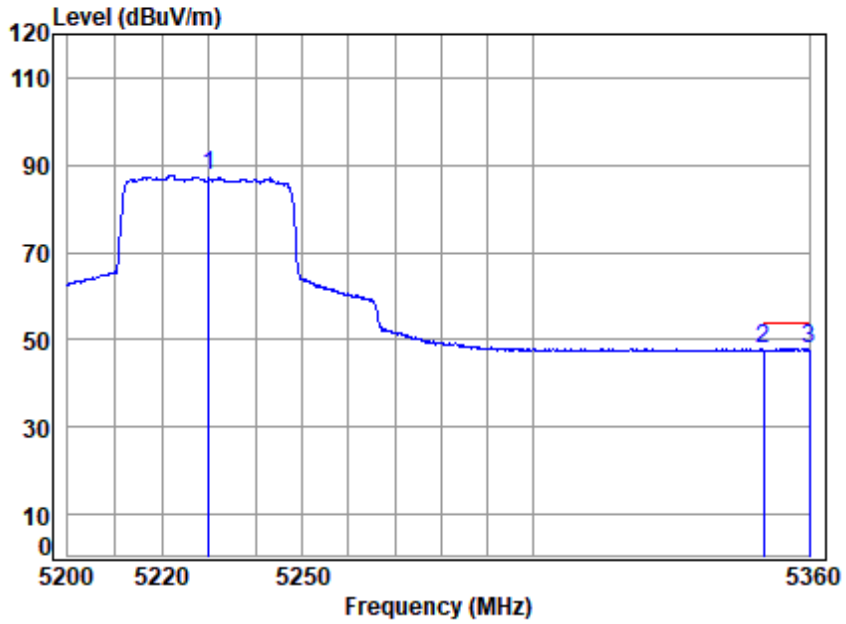
Test Mode: 35; Polarity: Horizontal; Modulation: OFDM; Channel: High



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01004AT\01005AT
Mode : 5230 Band edge
: 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 q	5230.000	7.44	34.00	34.99	92.31	98.76	68.20	30.56	peak
2	5350.020	7.56	34.30	35.00	52.42	59.28	74.00	-14.72	peak
3	5357.239	7.57	34.33	35.00	53.58	60.48	74.00	-13.52	peak

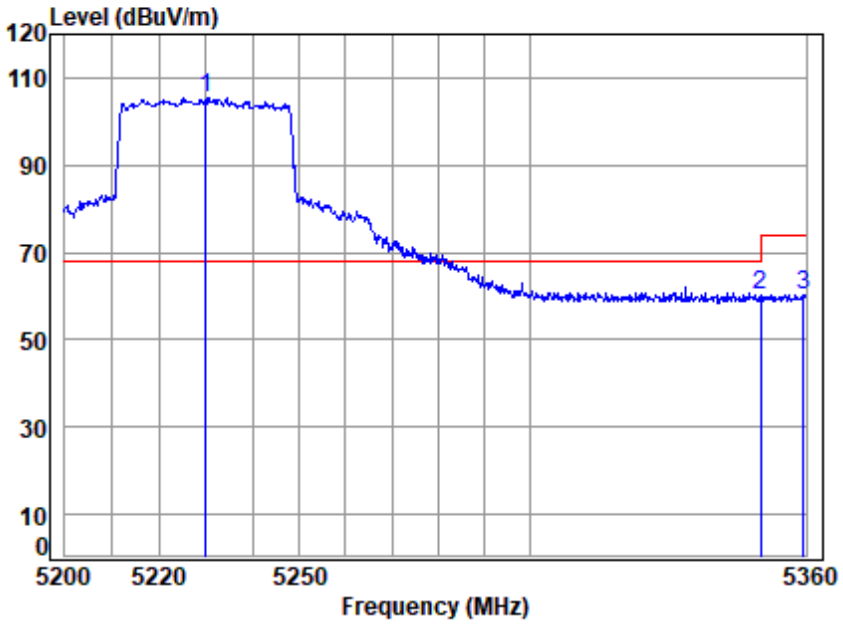
Test Mode: 35; Polarity: Horizontal; Modulation: OFDM; Channel: High



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01004AT\01005AT
Mode : 5230 Band edge
: 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	5230.000	7.44	34.00	34.99	81.33	87.78	------	------	Average
2	5350.020	7.56	34.30	35.00	40.97	47.83	54.00	-6.17	Average
3 q	5360.000	7.57	34.34	35.00	41.20	48.11	54.00	-5.89	Average

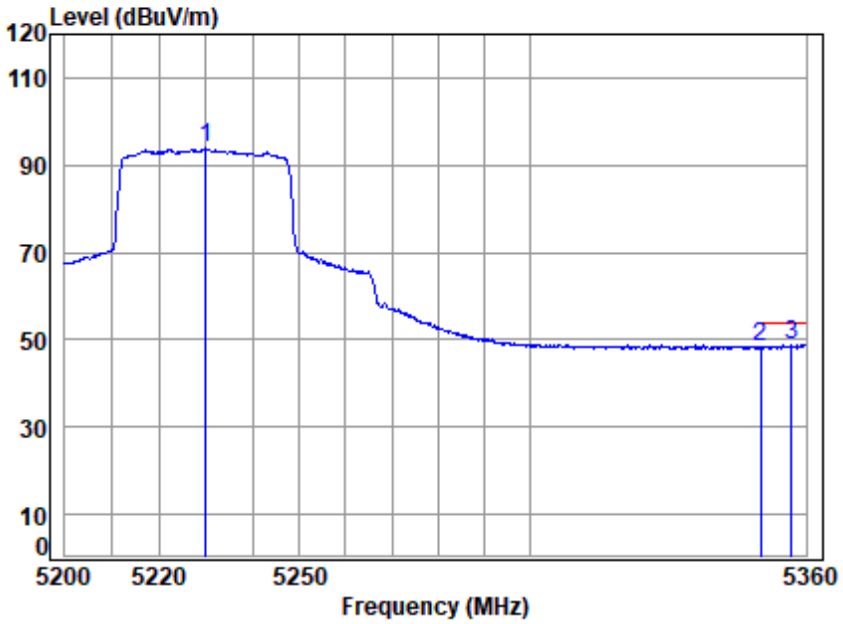
Test Mode: 35; Polarity: Vertical; Modulation: OFDM; Channel: High



Site : chamber
Condition: 3m VERTICAL
Job No : 01004AT\01005AT
Mode : 5230 Band edge
: 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 q	5230.000	7.44	34.00	34.99	98.97	105.42	68.20	37.22	Peak
2	5350.020	7.56	34.30	35.00	53.36	60.22	74.00	-13.78	Peak
3	5359.350	7.57	34.34	35.00	53.50	60.41	74.00	-13.59	Peak

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



Site : chamber
Condition: 3m VERTICAL
Job No : 01004AT\01005AT
Mode : 5230 Band edge
: 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	5230.000	7.44	34.00	34.99	87.33	93.78	------	------	Average
2	5350.020	7.56	34.30	35.00	41.43	48.29	54.00	-5.71	Average
3 q	5356.752	7.57	34.33	35.00	41.86	48.76	54.00	-5.24	Average

7.10 Radiated Emissions (Above 1GHz)

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

7.10.1 E.U.T. Operation

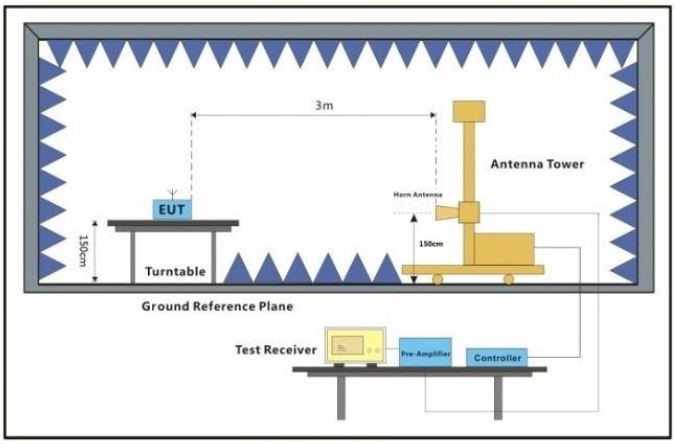
Operating Environment:
Temperature: 20.4 °C Humidity: 60.1 % RH Atmospheric Pressure: 1010 mbar

7.10.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description

Pre-scan	14	TX mode (5.8G SDR_1.4MHz)_Keep the EUT in transmitting mode
Final test	15	TX mode (5.8G SDR_1.4MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter
Pre-scan	16	TX mode (5.8G SDR_3MHz)_Keep the EUT in transmitting mode
Pre-scan	17	TX mode (5.8G SDR_3MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter
Pre-scan	18	TX mode (5.8G SDR_5MHz)_Keep the EUT in transmitting mode
Pre-scan	19	TX mode (5.8G SDR_5MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter
Pre-scan	20	TX mode (5.8G SDR_10MHz)_Keep the EUT in transmitting mode
Final test	21	TX mode (5.8G SDR_10MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter
Pre-scan	22	TX mode (5.8G SDR_20MHz)_Keep the EUT in transmitting mode
Pre-scan	23	TX mode (5.8G SDR_20MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter
Pre-scan	24	TX mode (5.8G SDR_40MHz)_Keep the EUT in transmitting mode
Pre-scan	25	TX mode (5.8G SDR_40MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter
Pre-scan	26	TX mode (5.8G SDR_60MHz)_Keep the EUT in transmitting mode
Pre-scan	27	TX mode (5.8G SDR_60MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter
Pre-scan	28	TX mode (5.8G SDR_80MHz)_Keep the EUT in transmitting mode
Pre-scan	29	TX mode (5.8G SDR_80MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter
Pre-scan	30	TX mode (5.1G SDR_10MHz)_Keep the EUT in transmitting mode
Final test	31	TX mode (5.1G SDR_10MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter
Pre-scan	32	TX mode (5.1G SDR_20MHz)_Keep the EUT in transmitting mode
Pre-scan	33	TX mode (5.1G SDR_20MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter
Pre-scan	34	TX mode (5.1G SDR_40MHz)_Keep the EUT in transmitting mode
Pre-scan	35	TX mode (5.1G SDR_40MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter

7.10.3 Test Setup Diagram



Above 1GHz

7.10.4 Measurement Procedure and Data

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

b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.

c. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.

d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.

e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.

f. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak or average method as specified and then reported in a data sheet.

g. Test the EUT in the lowest channel, the middle channel, the Highest channel.

h. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case.

i. Repeat above procedures until all frequencies measured was complete.

Remark:

1. Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor

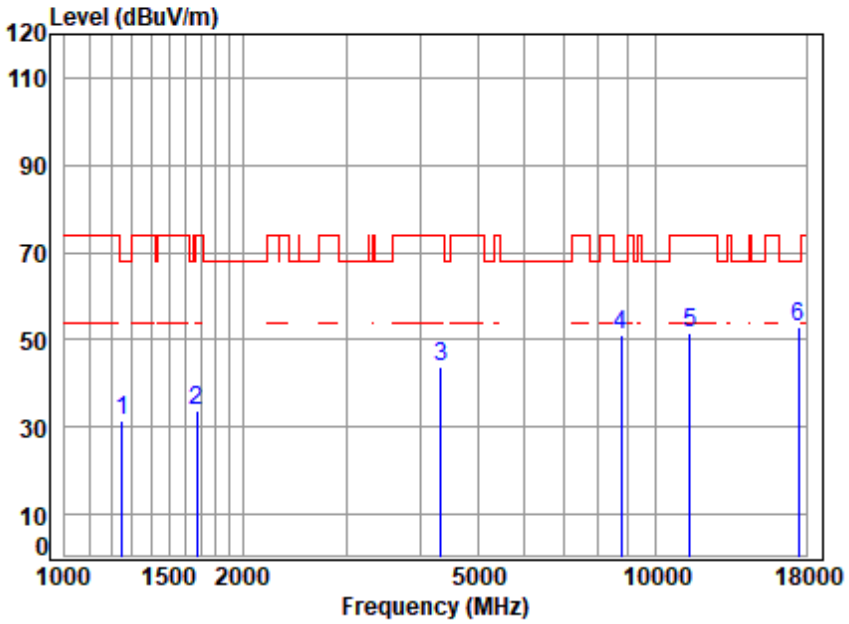
2. Scan from 18GHz to 40GHz, the disturbance above 18GHz was very low. The points marked on above plots are the highest emissions could be found when testing, so only above points had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.

3. As shown in this section, for frequencies above 1GHz, the field strength limits are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation. For the emissions whose peak level is lower than the average limit, only the peak measurement is shown in the report.

4. The disturbance above 18GHz were very low and the harmonics were the highest point could be found when testing, so only the above harmonics had been displayed.

5. For devices with multiple operating modes, measurements on the middle channel is used to determine the worst-case mode(s). Only the worst case mode with the highest output power and the mode with the highest output power spectral density for each modulation family (e.g., OFDM and direct sequence spread spectrum) is recorded in the test report.

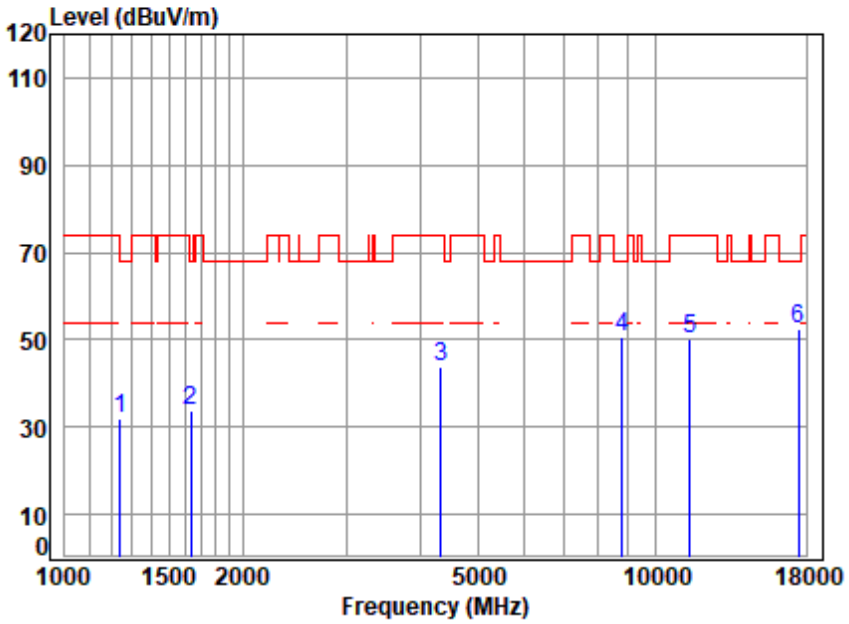
Test Mode: 15; Polarity: Horizontal; Modulation: OFDM; Channel: Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01004AT\01005AT
Mode : 5728.5 TX RSE
Note : 5.8G SDR 1.4M

	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	1249.269	2.88	24.50	37.56	41.50	31.32	68.20	-36.88	peak
2	1672.779	3.46	26.75	36.46	40.02	33.77	74.00	-40.23	peak
3	4341.886	6.62	33.60	34.57	38.12	43.77	74.00	-30.23	peak
4	8764.146	9.92	36.70	35.63	40.28	51.27	68.20	-16.93	peak
5	11457.000	11.55	37.96	36.27	38.28	51.52	74.00	-22.48	peak
6	q17485.500	14.20	43.59	37.44	32.52	52.87	68.20	-15.33	peak

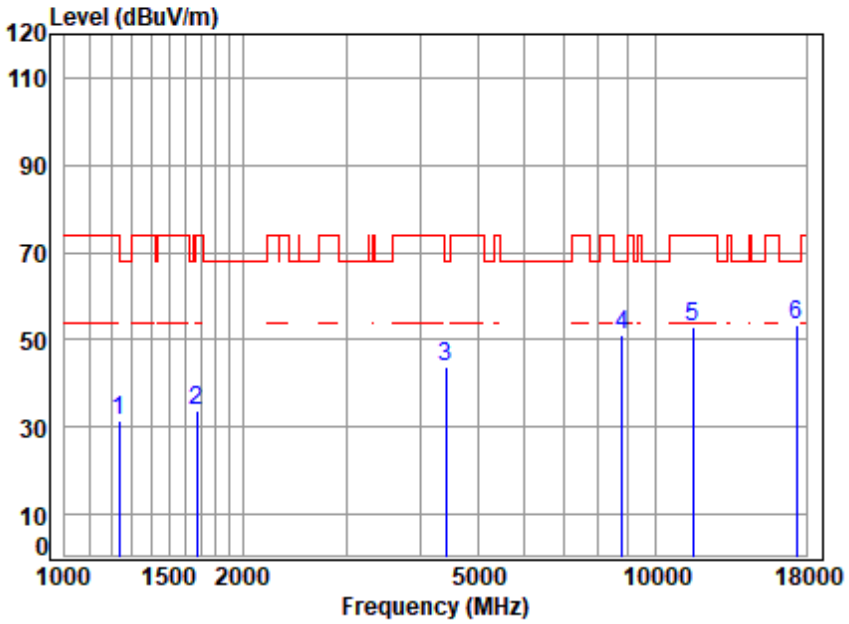
Test Mode: 15; Polarity: Vertical; Modulation: OFDM; Channel: Low



Site : chamber
Condition: 3m VERTICAL
Job No : 01004AT\01005AT
Mode : 5728.5 TX RSE
Note : 5.8G SDR 1.4M

	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	1242.068	2.87	24.48	37.58	42.23	32.00	68.20	-36.20	peak
2	1634.543	3.41	26.64	36.55	40.15	33.65	68.20	-34.55	peak
3	4341.886	6.62	33.60	34.57	38.22	43.87	74.00	-30.13	peak
4	8789.516	9.95	36.70	35.62	39.77	50.80	68.20	-17.40	peak
5	11457.000	11.55	37.96	36.27	37.17	50.41	74.00	-23.59	peak
6	q17485.500	14.20	43.59	37.44	32.33	52.68	68.20	-15.52	peak

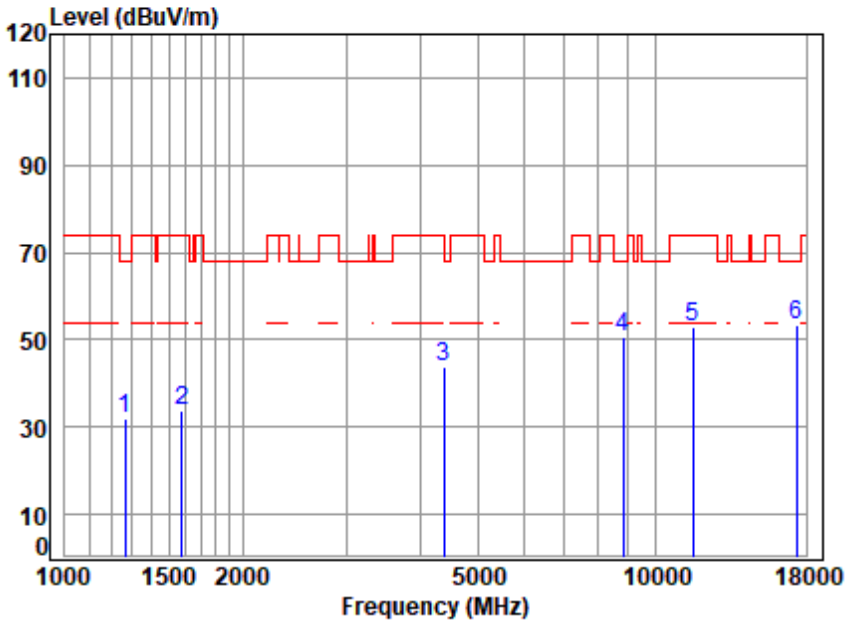
Test Mode: 15; Polarity: Horizontal; Modulation: OFDM; Channel: middle



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01004AT\01005AT
Mode : 5786.5 TX RSE
Note : 5.8G SDR 1.4M

	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	2.86	24.48	37.59	41.72	31.47	74.00	-42.53	peak
2	1672.779	3.46	26.75	36.46	39.98	33.73	74.00	-40.27	peak
3	4417.841	6.69	33.50	34.62	38.15	43.72	68.20	-24.48	peak
4	8789.516	9.95	36.70	35.62	39.98	51.01	68.20	-17.19	peak
5	11573.000	11.63	38.00	36.34	39.58	52.87	74.00	-21.13	peak
6	q17359.500	14.19	43.46	37.45	33.07	53.27	68.20	-14.93	peak

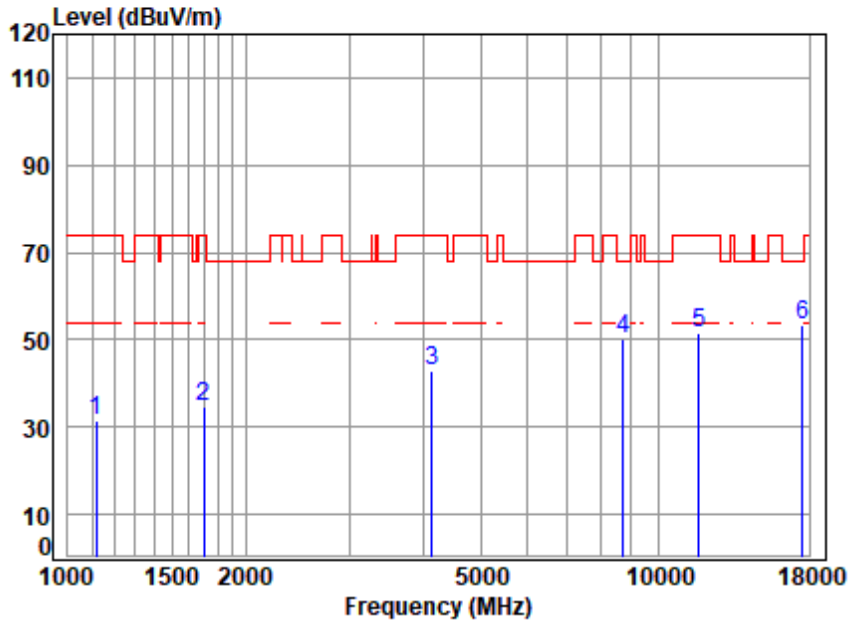
Test Mode: 15; Polarity: Vertical; Modulation: OFDM; Channel: middle



Site : chamber
Condition: 3m VERTICAL
Job No : 01004AT\01005AT
Mode : 5786.5 TX RSE
Note : 5.8G SDR 1.4M

	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	1263.796	2.90	24.56	37.52	41.80	31.74	68.20	-36.46	peak
2	1578.822	3.34	26.25	36.68	40.90	33.81	74.00	-40.19	peak
3	4392.376	6.67	33.52	34.60	38.04	43.63	74.00	-30.37	peak
4	8814.957	9.97	36.70	35.60	39.72	50.79	68.20	-17.41	peak
5	11575.000	11.63	38.00	36.34	39.43	52.72	74.00	-21.28	peak
6	q17362.500	14.19	43.46	37.45	33.02	53.22	68.20	-14.98	peak

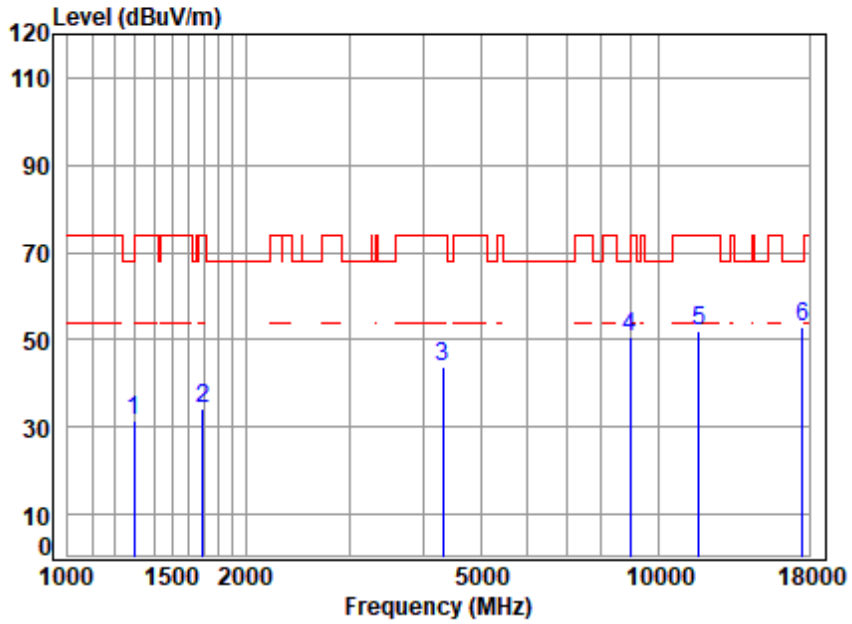
Test Mode: 15; Polarity: Horizontal; Modulation: OFDM; Channel: High



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01004AT\01005AT
Mode : 5846.12 TX RSE
Note : 5.8G SDR 1.4M

	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	1116.093	2.66	24.07	37.99	42.75	31.49	74.00	-42.51	peak
2	1702.042	3.49	26.80	36.40	40.58	34.47	74.00	-39.53	peak
3	4133.699	6.42	33.07	34.43	38.06	43.12	74.00	-30.88	peak
4	8713.630	9.88	36.70	35.66	39.25	50.17	68.20	-18.03	peak
5	11692.240	11.70	38.00	36.41	38.26	51.55	74.00	-22.45	peak
6	q17538.360	14.21	43.64	37.43	33.08	53.50	68.20	-14.70	peak

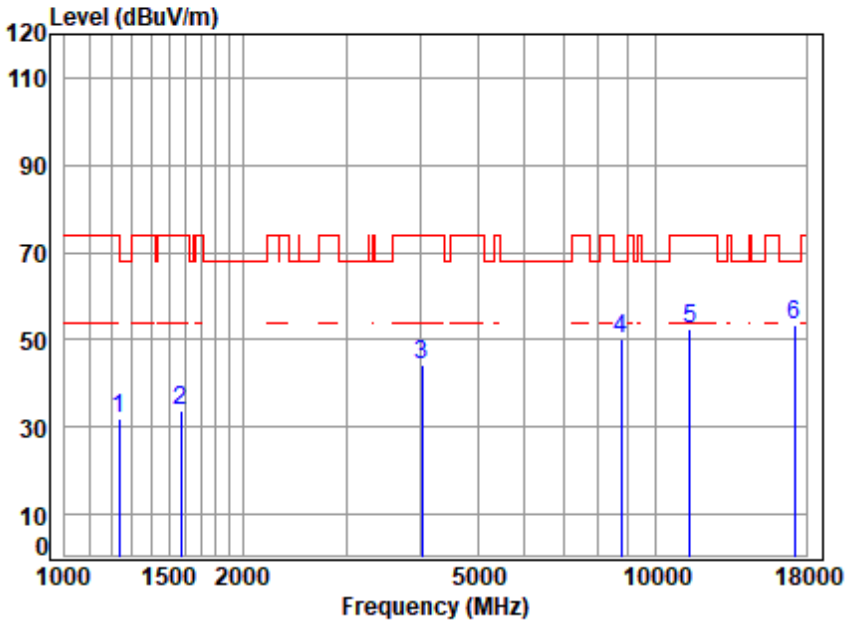
Test Mode: 15; Polarity: Vertical; Modulation: OFDM; Channel: High



Site : chamber
Condition: 3m VERTICAL
Job No : 01004AT\01005AT
Mode : 5846.12 TX RSE
Note : 5.8G SDR 1.4M

	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	1297.103	2.95	24.69	37.42	41.43	31.65	68.20	-36.55	peak
2	1692.231	3.48	26.78	36.42	40.40	34.24	74.00	-39.76	peak
3	4316.859	6.60	33.60	34.55	37.97	43.62	74.00	-30.38	peak
4	8969.161	10.10	36.70	35.52	39.23	50.51	68.20	-17.69	peak
5	11692.240	11.70	38.00	36.41	38.78	52.07	74.00	-21.93	peak
6	q17538.360	14.21	43.64	37.43	32.40	52.82	68.20	-15.38	peak

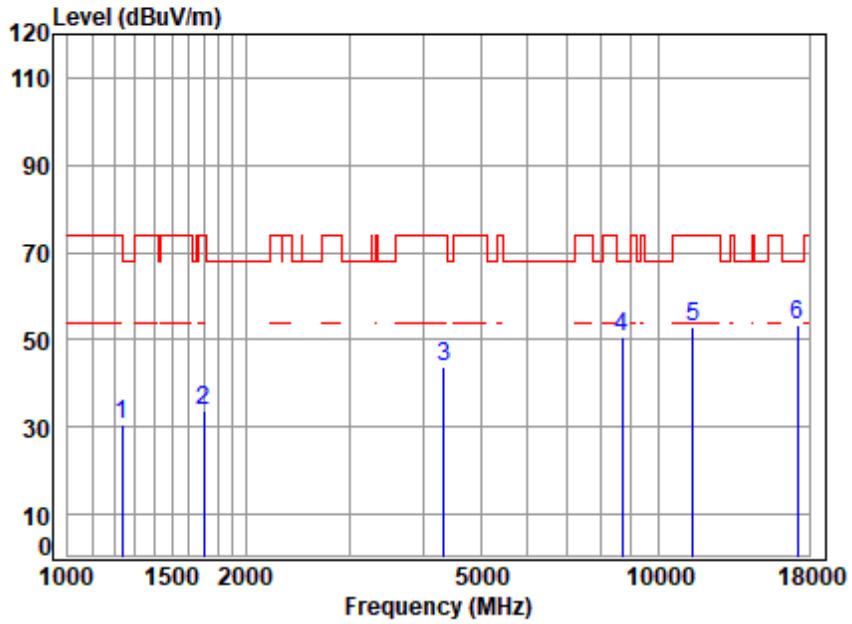
Test Mode: 21; Polarity: Horizontal; Modulation: OFDM; Channel: Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01004AT\01005AT
Mode : 5730.5 TX RSE
Note : 5.8G SDR 10M

	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	1234.909	2.86	24.47	37.61	42.35	32.07	74.00	-41.93	peak
2	1574.265	3.34	26.19	36.69	41.05	33.89	74.00	-40.11	peak
3	4027.554	6.31	32.81	34.35	39.33	44.10	74.00	-29.90	peak
4	8738.852	9.90	36.70	35.65	39.18	50.13	68.20	-18.07	peak
5	11461.000	11.56	37.96	36.27	39.36	52.61	74.00	-21.39	peak
6	q17191.500	14.18	43.28	37.46	33.41	53.41	68.20	-14.79	peak

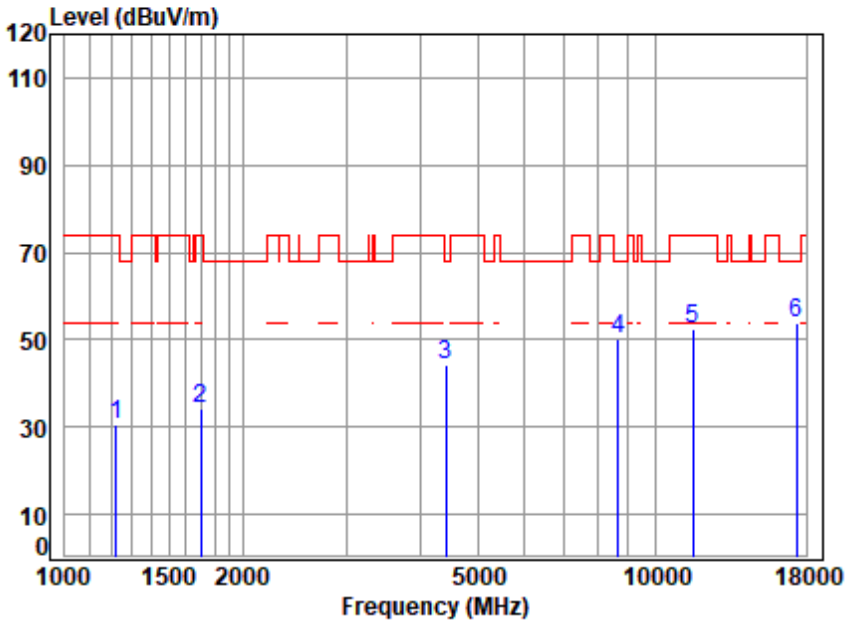
Test Mode: 21; Polarity: Vertical; Modulation: OFDM; Channel: Low



Site : chamber
Condition: 3m VERTICAL
Job No : 01004AT\01005AT
Mode : 5730.5 TX RSE
Note : 5.8G SDR 10M

	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	1234.909	2.86	24.47	37.61	40.81	30.53	74.00	-43.47	peak
2	1697.129	3.49	26.79	36.41	40.03	33.90	74.00	-40.10	peak
3	4329.354	6.61	33.60	34.56	38.30	43.95	74.00	-30.05	peak
4	8688.480	9.86	36.68	35.68	39.72	50.58	68.20	-17.62	peak
5	11461.000	11.56	37.96	36.27	39.62	52.87	74.00	-21.13	peak
6	q17191.500	14.18	43.28	37.46	33.33	53.33	68.20	-14.87	peak

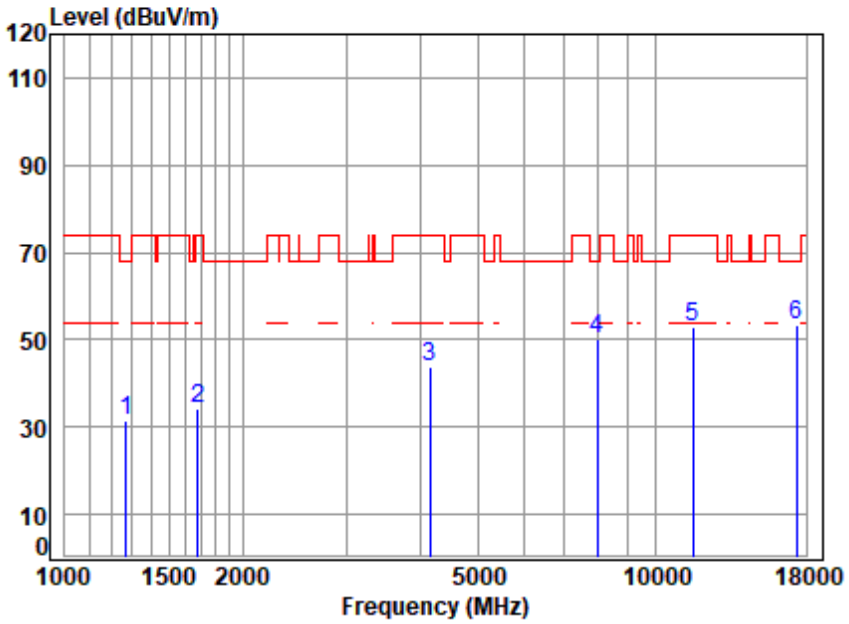
Test Mode: 21; Polarity: Horizontal; Modulation: OFDM; Channel: middle



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01004AT\01005AT
Mode : 5787.5 TX RSE
Note : 5.8G SDR 10M

	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	1220.714	2.83	24.44	37.65	41.02	30.64	74.00	-43.36	peak
2	1697.129	3.49	26.79	36.41	40.28	34.15	74.00	-39.85	peak
3	4417.841	6.69	33.50	34.62	38.86	44.43	68.20	-23.77	peak
4	8663.404	9.84	36.63	35.69	39.60	50.38	68.20	-17.82	peak
5	11575.000	11.63	38.00	36.34	39.00	52.29	74.00	-21.71	peak
6	q17362.500	14.19	43.46	37.45	33.49	53.69	68.20	-14.51	peak

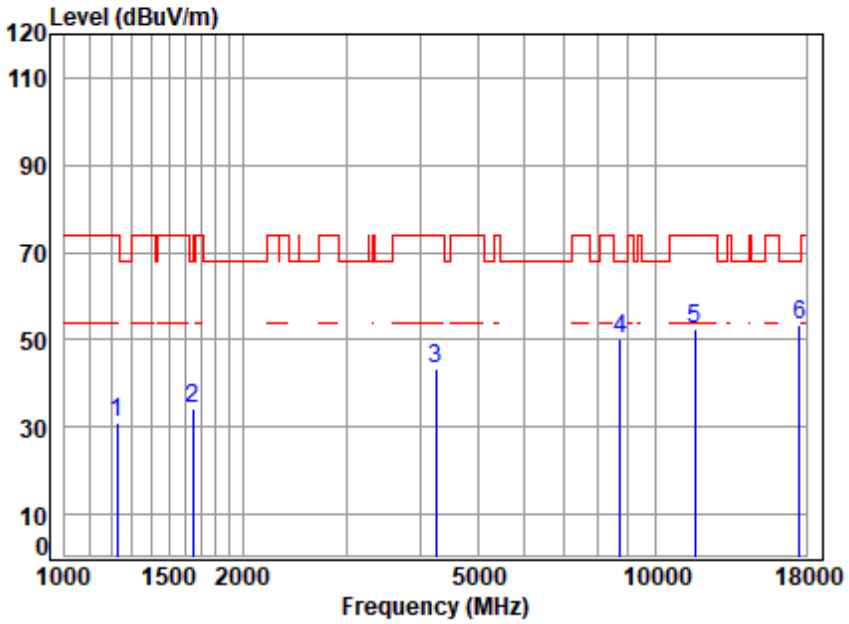
Test Mode: 21; Polarity: Vertical; Modulation: OFDM; Channel: middle



Site : chamber
Condition: 3m VERTICAL
Job No : 01004AT\01005AT
Mode : 5787.5 TX RSE
Note : 5.8G SDR 10M

	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	1271.123	2.91	24.59	37.50	41.32	31.32	68.20	-36.88	peak
2	1677.621	3.46	26.76	36.45	40.43	34.20	74.00	-39.80	peak
3	4157.664	6.44	33.15	34.44	38.81	43.96	74.00	-30.04	peak
4	7989.893	9.21	36.20	36.09	40.87	50.19	68.20	-18.01	peak
5	11575.000	11.63	38.00	36.34	39.71	53.00	74.00	-21.00	peak
6	q17362.500	14.19	43.46	37.45	33.08	53.28	68.20	-14.92	peak

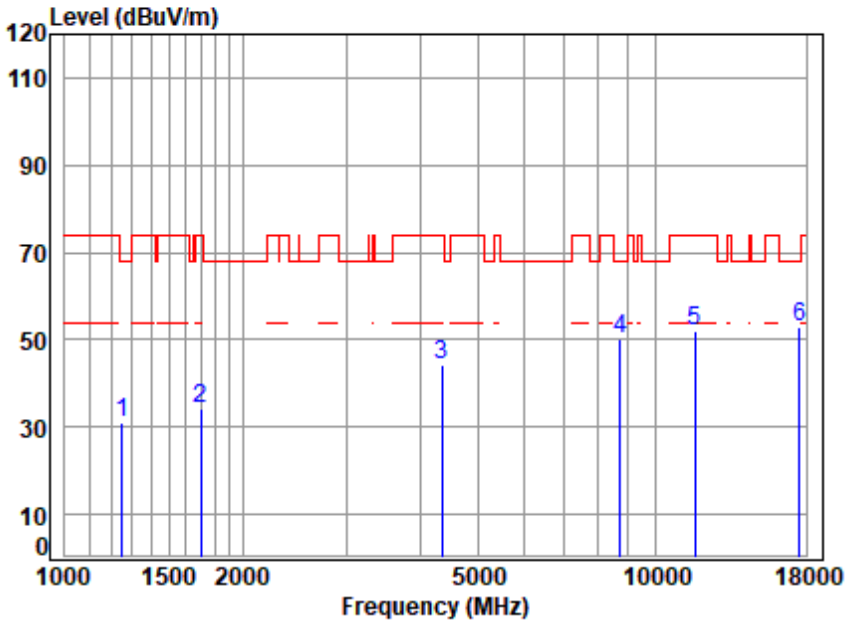
Test Mode: 21; Polarity: Horizontal; Modulation: OFDM; Channel: High



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01004AT\01005AT
Mode : 5844.5 TX RSE
Note : 5.8G SDR 10M

	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	1227.791	2.85	24.46	37.63	41.51	31.19	74.00	-42.81	peak
2	1648.778	3.43	26.70	36.52	40.54	34.15	68.20	-34.05	peak
3	4254.921	6.54	33.60	34.51	37.63	43.26	74.00	-30.74	peak
4	8713.630	9.88	36.70	35.66	39.45	50.37	68.20	-17.83	peak
5	11689.000	11.70	38.00	36.40	39.33	52.63	74.00	-21.37	peak
6	q17533.500	14.21	43.63	37.43	32.81	53.22	68.20	-14.98	peak

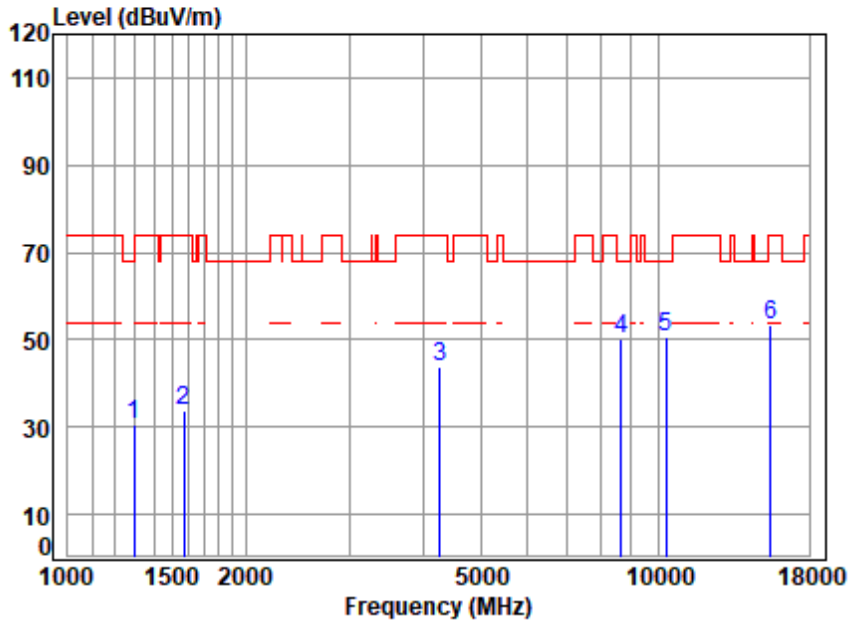
Test Mode: 21; Polarity: Vertical; Modulation: OFDM; Channel: High



Site : chamber
Condition: 3m VERTICAL
Job No : 01004AT\01005AT
Mode : 5844.5 TX RSE
Note : 5.8G SDR 10M

	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	1252.885	2.89	24.51	37.55	41.19	31.04	68.20	-37.16	peak
2	1702.042	3.49	26.80	36.40	40.54	34.43	74.00	-39.57	peak
3	4354.454	6.63	33.59	34.58	38.61	44.25	74.00	-29.75	peak
4	8713.630	9.88	36.70	35.66	39.18	50.10	68.20	-18.10	peak
5	11689.000	11.70	38.00	36.40	38.60	51.90	74.00	-22.10	peak
6	q17533.500	14.21	43.63	37.43	32.45	52.86	68.20	-15.34	peak

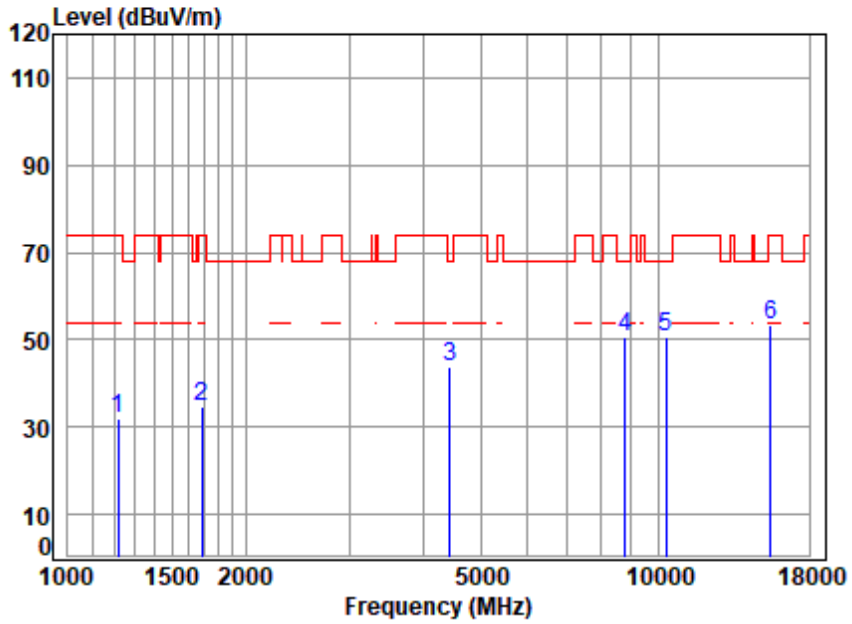
Test Mode: 31; Polarity: Horizontal; Modulation: OFDM; Channel: Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01004AT\01005AT
Mode : 5157 TX RSE
Note : 5.1G SDR 10M

	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	1293.359	2.95	24.67	37.43	40.61	30.80	68.20	-37.40	peak
2	1574.265	3.34	26.19	36.69	40.70	33.54	74.00	-40.46	peak
3	4267.237	6.55	33.60	34.52	38.09	43.72	74.00	-30.28	peak
4	8663.404	9.84	36.63	35.69	39.56	50.34	68.20	-17.86	peak
5	q10314.000	10.78	37.41	35.72	37.98	50.45	68.20	-17.75	peak
6	15471.000	13.52	40.87	37.44	36.49	53.44	74.00	-20.56	peak

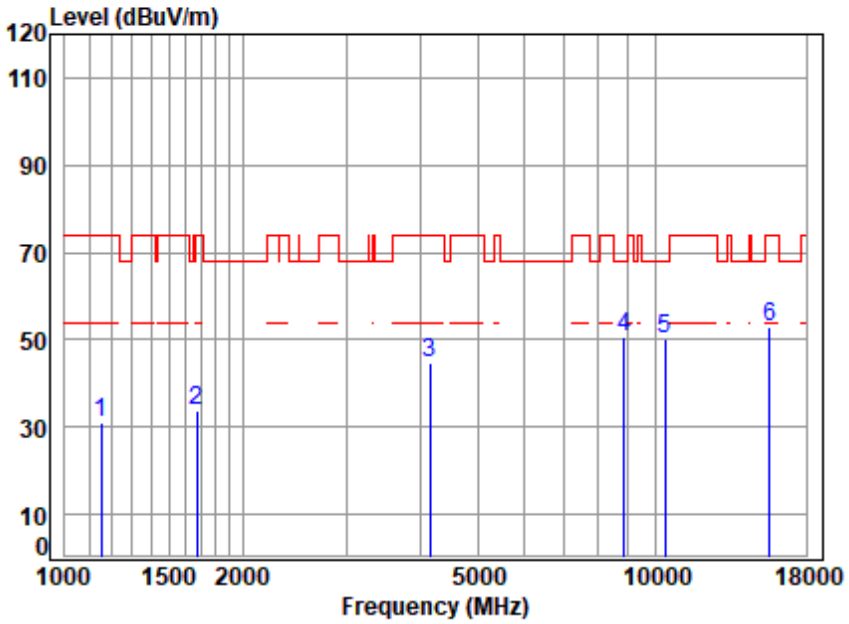
Test Mode: 31; Polarity: Vertical; Modulation: OFDM; Channel: Low



Site : chamber
Condition: 3m VERTICAL
Job No : 01004AT\01005AT
Mode : 5157 TX RSE
Note : 5.1G SDR 10M

	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	1217.190	2.83	24.43	37.66	42.28	31.88	74.00	-42.12	peak
2	1687.347	3.47	26.77	36.43	40.68	34.49	74.00	-39.51	peak
3	4430.628	6.71	33.50	34.63	38.16	43.74	68.20	-24.46	peak
4	q 8789.516	9.95	36.70	35.62	39.70	50.73	68.20	-17.47	peak
5	10314.000	10.78	37.41	35.72	38.16	50.63	68.20	-17.57	peak
6	15471.000	13.52	40.87	37.44	36.39	53.34	74.00	-20.66	peak

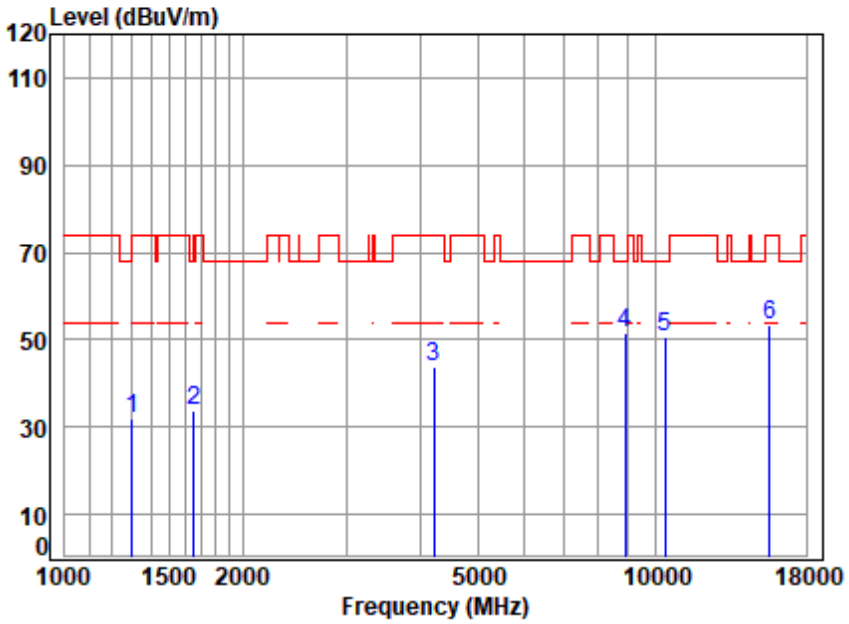
Test Mode: 31; Polarity: Horizontal; Modulation: OFDM; Channel: middle



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01004AT\01005AT
Mode : 5201 TX RSE
Note : 5.1G SDR 10M

	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	1152.148	2.72	24.21	37.87	42.13	31.19	74.00	-42.81	peak
2	1672.779	3.46	26.75	36.46	40.14	33.89	74.00	-40.11	peak
3	4157.664	6.44	33.15	34.44	39.39	44.54	74.00	-29.46	peak
4	q 8866.062	10.01	36.70	35.58	39.33	50.46	68.20	-17.74	peak
5	10402.000	10.84	37.50	35.75	37.67	50.26	68.20	-17.94	peak
6	15603.000	13.69	41.00	37.49	35.83	53.03	74.00	-20.97	peak

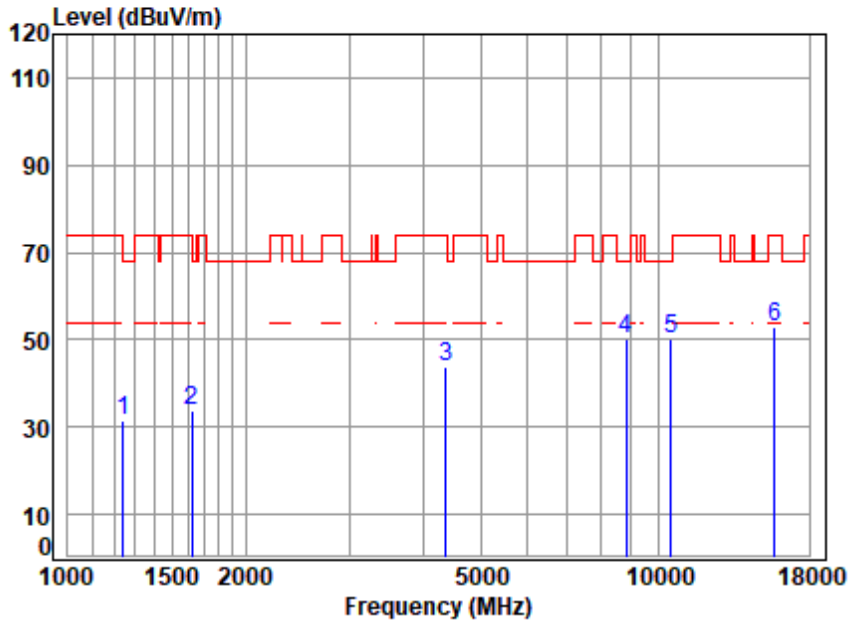
Test Mode: 31; Polarity: Vertical; Modulation: OFDM; Channel: middle



Site : chamber
Condition: 3m VERTICAL
Job No : 01004AT\01005AT
Mode : 5201 TX RSE
Note : 5.1G SDR 10M

	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	1300.858	2.96	24.70	37.41	41.60	31.85	74.00	-42.15	peak
2	1653.550	3.43	26.71	36.51	40.06	33.69	68.20	-34.51	peak
3	4218.186	6.50	33.47	34.48	38.42	43.91	74.00	-30.09	peak
4 q	8891.725	10.04	36.70	35.56	40.16	51.34	68.20	-16.86	peak
5	10400.000	10.84	37.50	35.75	37.93	50.52	68.20	-17.68	peak
6	15600.000	13.68	41.00	37.49	36.06	53.25	74.00	-20.75	peak

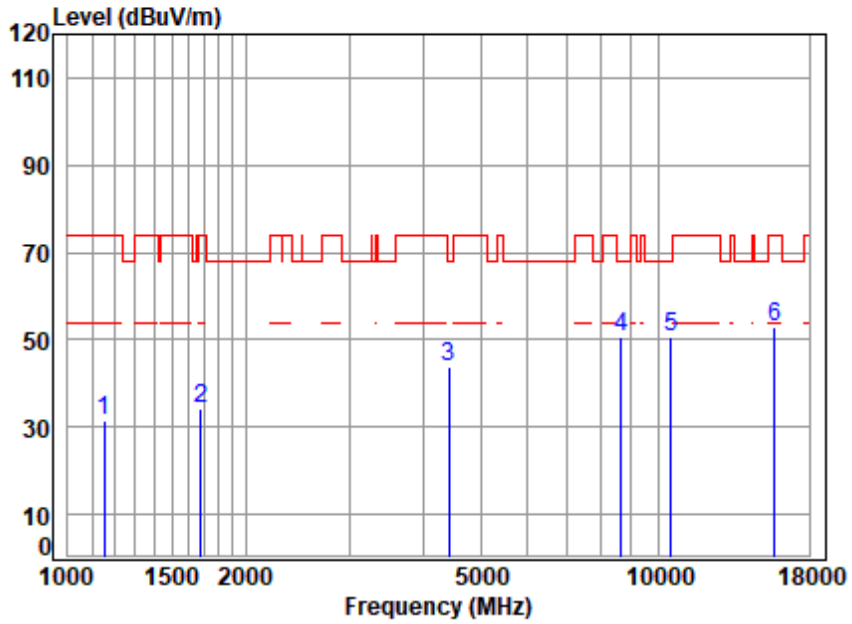
Test Mode: 31; Polarity: Horizontal; Modulation: OFDM; Channel: High



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01004AT\01005AT
Mode : 5245 TX RSE
Note : 5.1G SDR 10M

	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	1242.068	2.87	24.48	37.58	41.49	31.26	68.20	-36.94	peak
2	1620.431	3.39	26.58	36.58	40.37	33.76	74.00	-40.24	peak
3	4367.058	6.65	33.57	34.59	38.25	43.88	74.00	-30.12	peak
4 q	8814.957	9.97	36.70	35.60	39.00	50.07	68.20	-18.13	peak
5	10490.000	10.91	37.50	35.79	37.45	50.07	68.20	-18.13	peak
6	15735.000	13.84	41.17	37.55	35.68	53.14	74.00	-20.86	peak

Test Mode: 31; Polarity: Vertical; Modulation: OFDM; Channel: High



Site : chamber
Condition: 3m VERTICAL
Job No : 01004AT\01005AT
Mode : 5245 TX RSE
Note : 5.1G SDR 10M

	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	1152.148	2.72	24.21	37.87	42.39	31.45	74.00	-42.55	peak
2	1682.477	3.47	26.77	36.44	40.47	34.27	74.00	-39.73	peak
3	4417.841	6.69	33.50	34.62	38.35	43.92	68.20	-24.28	peak
4 q	8638.399	9.81	36.60	35.71	39.74	50.44	68.20	-17.76	peak
5	10490.000	10.91	37.50	35.79	37.82	50.44	68.20	-17.76	peak
6	15735.000	13.84	41.17	37.55	35.44	52.90	74.00	-21.10	peak

7.11 Frequency Stability

Test Requirement 47 CFR Part 15, Subpart E 15.407 (g)
Test Method: ANSI C63.10 (2013) Section 6.8

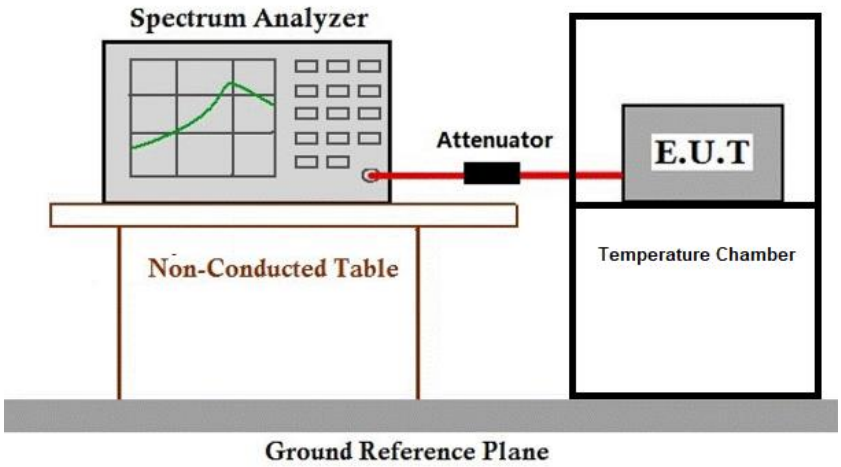
7.11.1 E.U.T. Operation

Operating Environment:
Temperature: 28.7 °C Humidity: 45.5 % RH Atmospheric Pressure: 1015 mbar

7.11.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	14	TX mode (5.8G SDR_1.4MHz)_Keep the EUT in transmitting mode
Final test	16	TX mode (5.8G SDR_3MHz)_Keep the EUT in transmitting mode
Final test	18	TX mode (5.8G SDR_5MHz)_Keep the EUT in transmitting mode
Final test	20	TX mode (5.8G SDR_10MHz)_Keep the EUT in transmitting mode
Final test	22	TX mode (5.8G SDR_20MHz)_Keep the EUT in transmitting mode
Final test	24	TX mode (5.8G SDR_40MHz)_Keep the EUT in transmitting mode
Final test	26	TX mode (5.8G SDR_60MHz)_Keep the EUT in transmitting mode
Final test	28	TX mode (5.8G SDR_80MHz)_Keep the EUT in transmitting mode
Final test	30	TX mode (5.1G SDR_10MHz)_Keep the EUT in transmitting mode
Final test	32	TX mode (5.1G SDR_20MHz)_Keep the EUT in transmitting mode
Final test	34	TX mode (5.1G SDR_40MHz)_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 Appendix - Test Setup Photo for SZCR2304001004AT

9 EUT Constructional Details (EUT Photos)

Refer to External and Internal Photos for SZCR2304001004AT

10 Appendix

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

5.1G SDR SISO and MIMO Mode

1. Duty Cycle

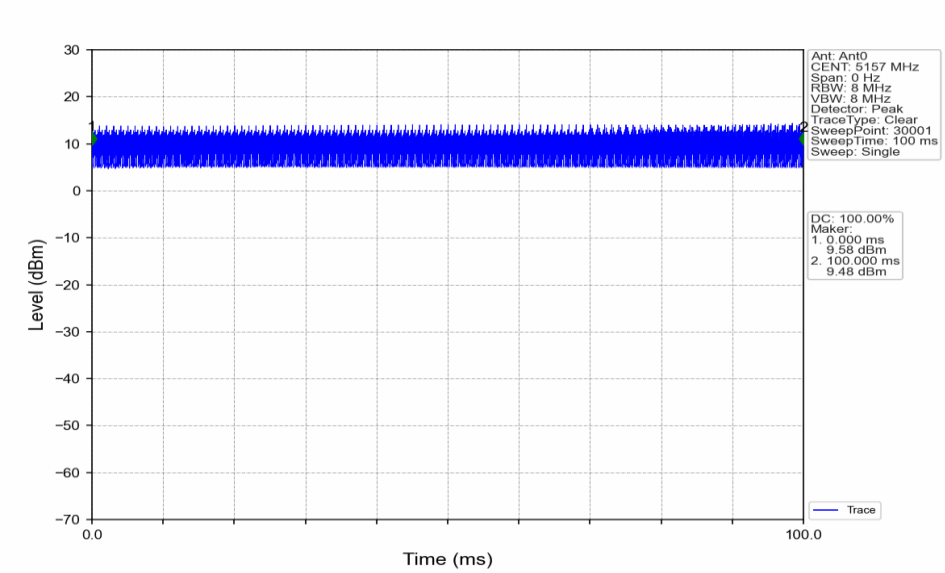
1.1 Ant0

1.1.1 Test Result

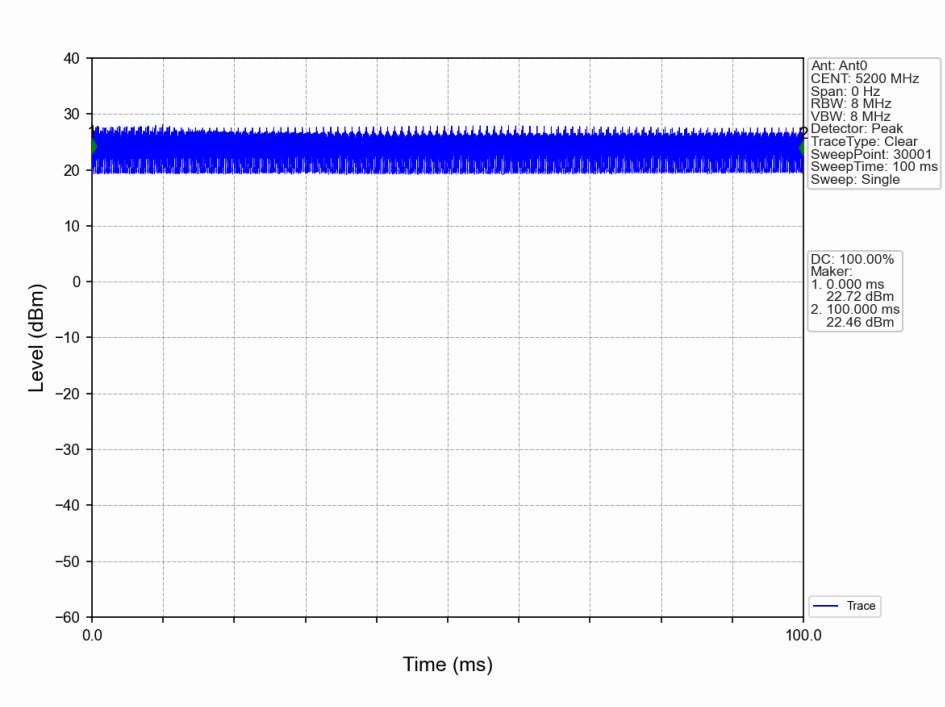
Ant0							
Mode	TX Type	Frequency (MHz)	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
10MHz	SISO	5157	100.000	100.000	100.00	0.00	0.00
		5200	100.000	100.000	100.00	0.00	0.00
		5245	100.000	100.000	100.00	0.00	0.00
	MIMO	5157	100.000	100.000	100.00	0.00	0.00
		5200	100.000	100.000	100.00	0.00	0.00
		5245	100.000	100.000	100.00	0.00	0.00
20MHz	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
	MIMO	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
40MHz	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
	MIMO	5170	100.000	100.000	100.00	0.00	0.00
		5200	100.000	100.000	100.00	0.00	0.00
		5230	100.000	100.000	100.00	0.00	0.00

1.1.2 Test Graph

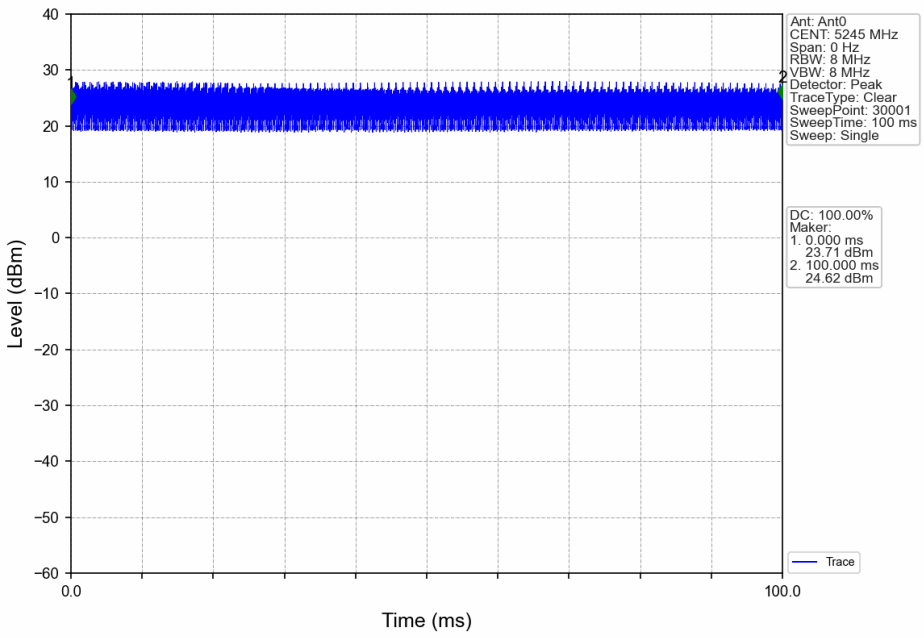
10MHz_LCH_5157MHz_Ant0_NTNV



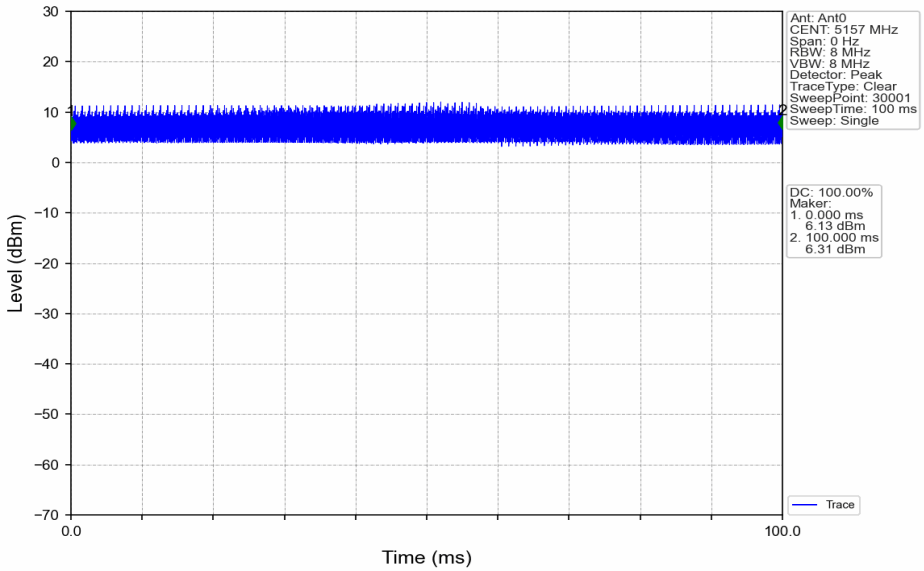
10MHz_MCH_5200MHz_Ant0_NTNV



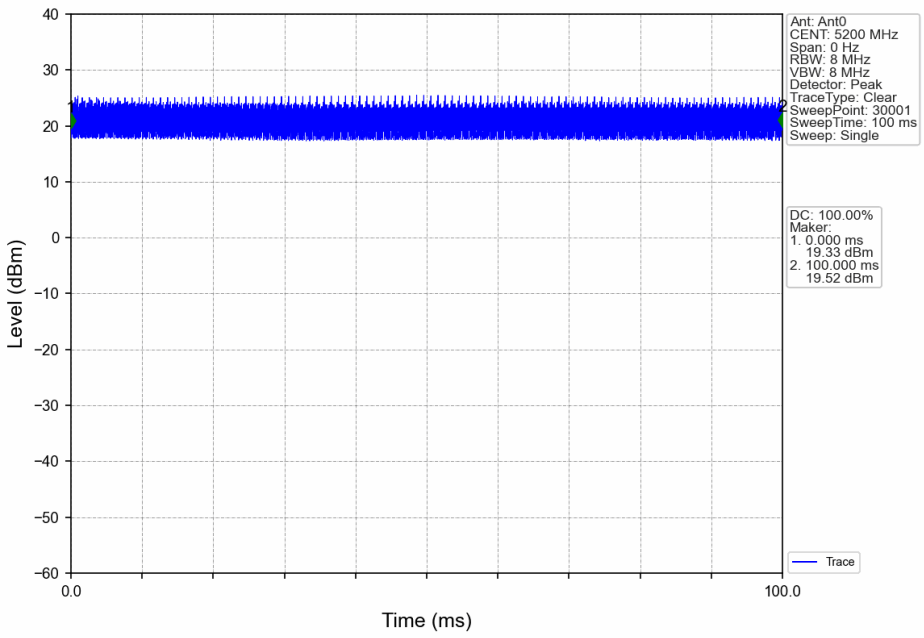
10MHz_HCH_5245MHz_Ant0_NTNV



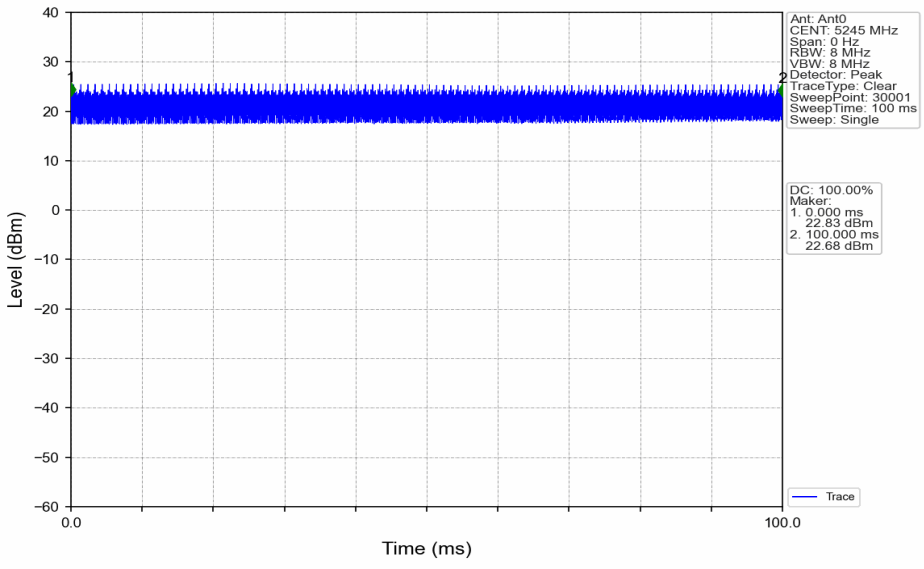
10MHz_LCH_5157MHz_Ant0_NTNV



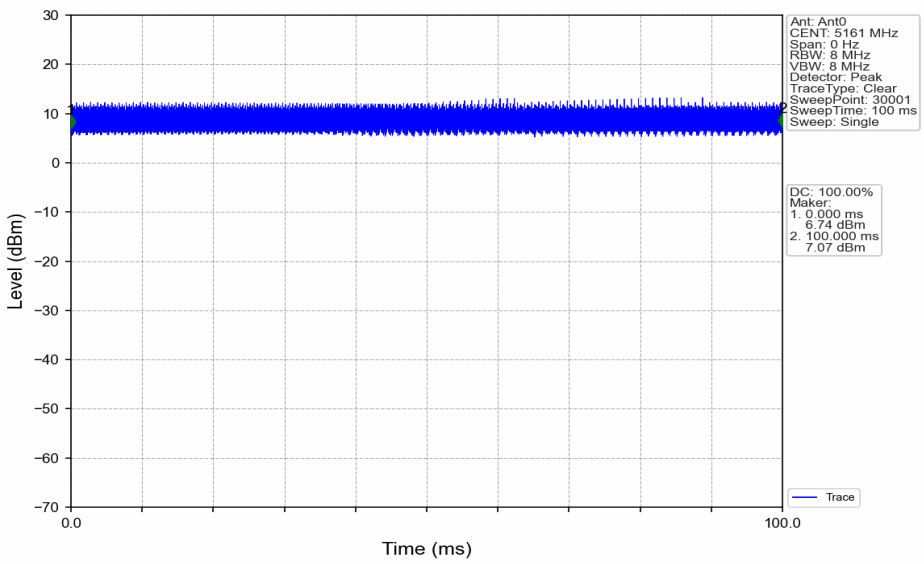
10MHz_MCH_5200MHz_Ant0_NTNV



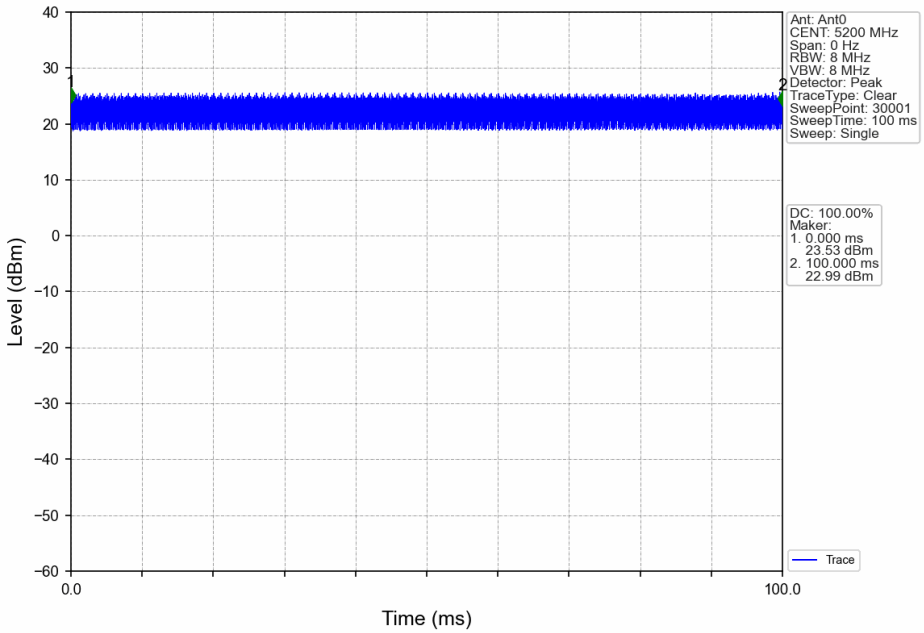
10MHz_HCH_5245MHz_Ant0_NTNV



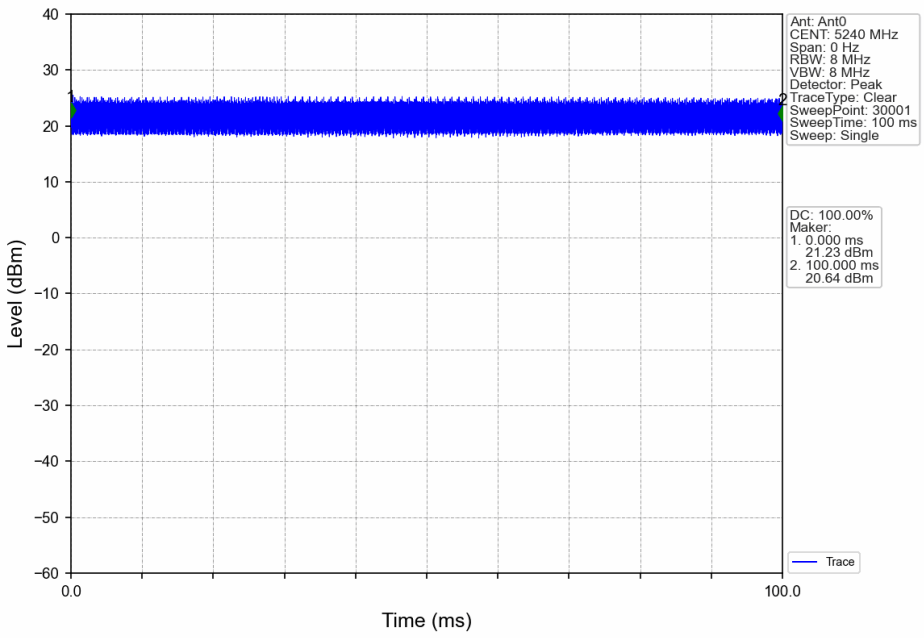
20MHz_LCH_5161MHz_Ant0_NTNV



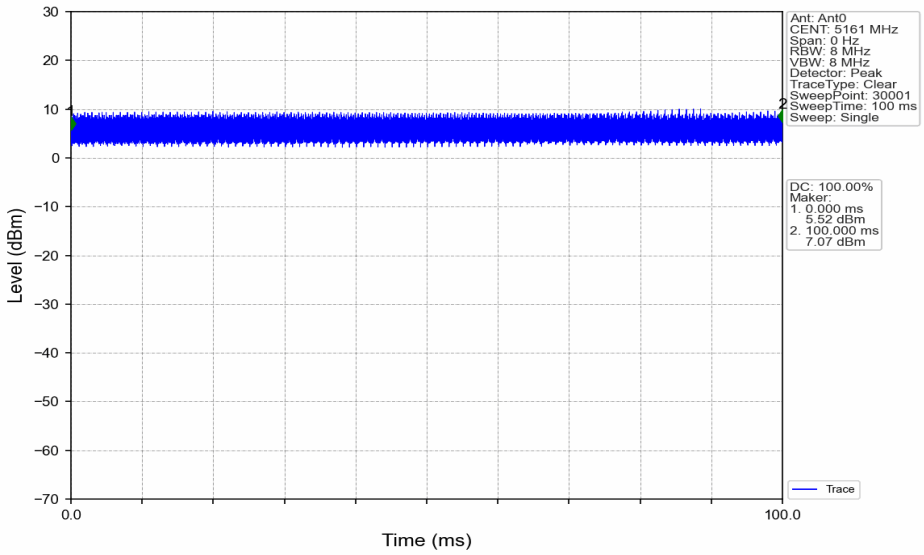
20MHz_MCH_5200MHz_Ant0_NTNV



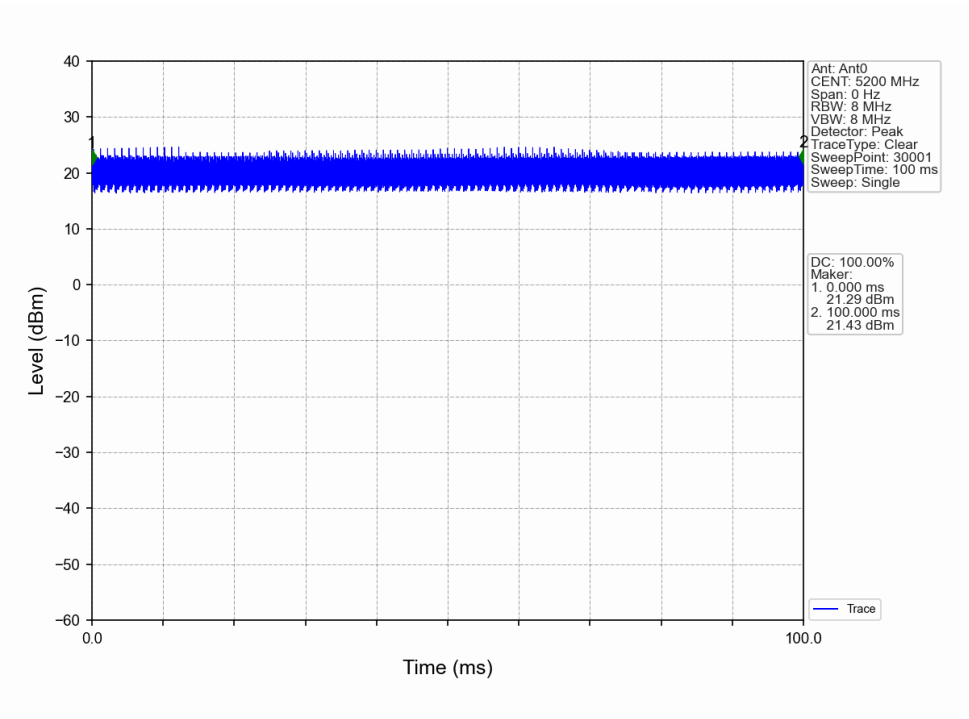
20MHz_HCH_5240MHzHz_Ant0_NTNV



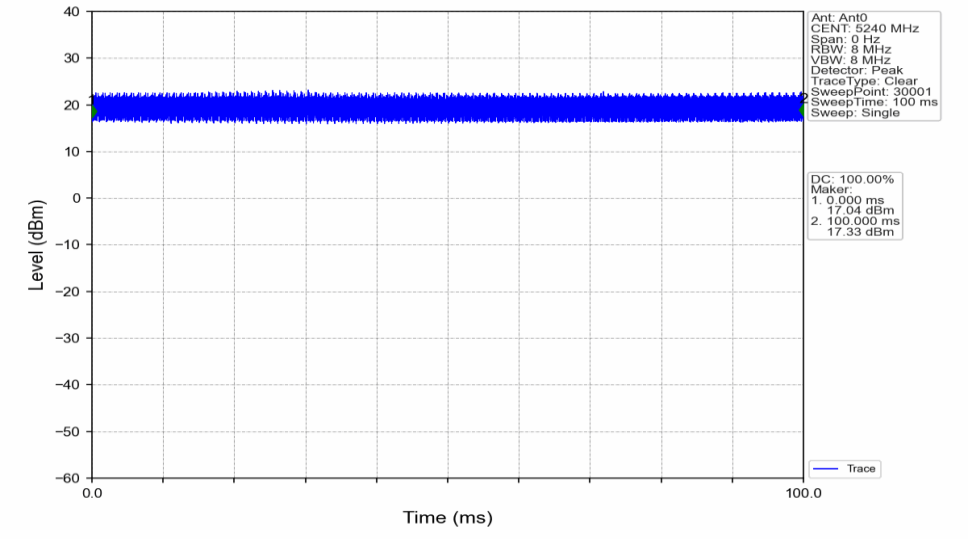
20MHz_LCH_5161MHz_Ant0_NTNV



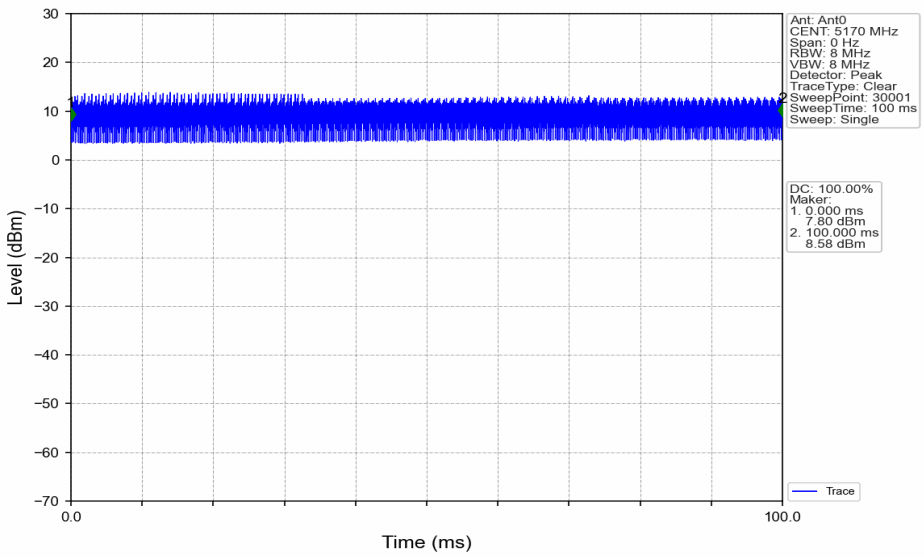
20MHz_MCH_5200MHz_Ant0_NTNV



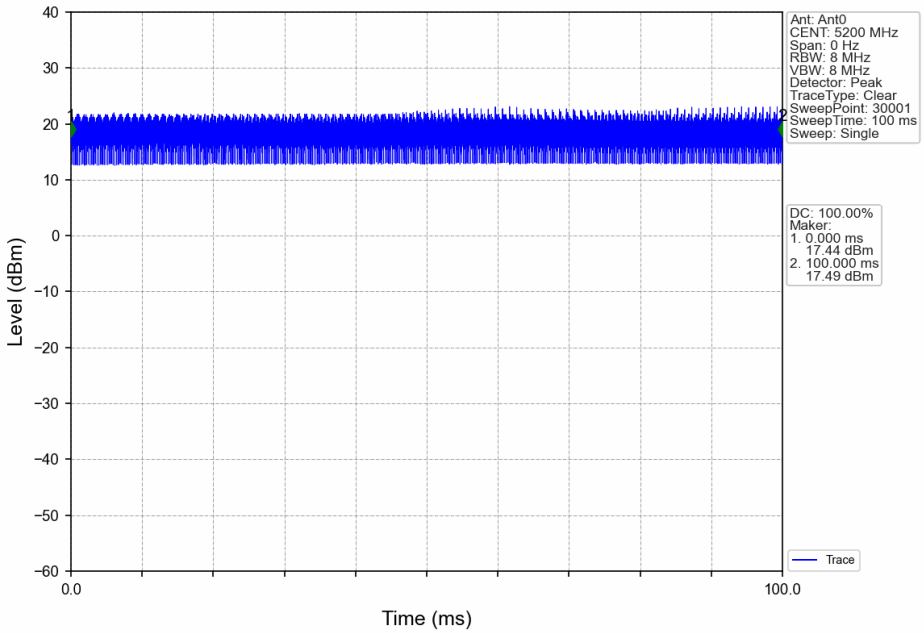
20MHz_HCH_5240MHzHz_Ant0_NTNV



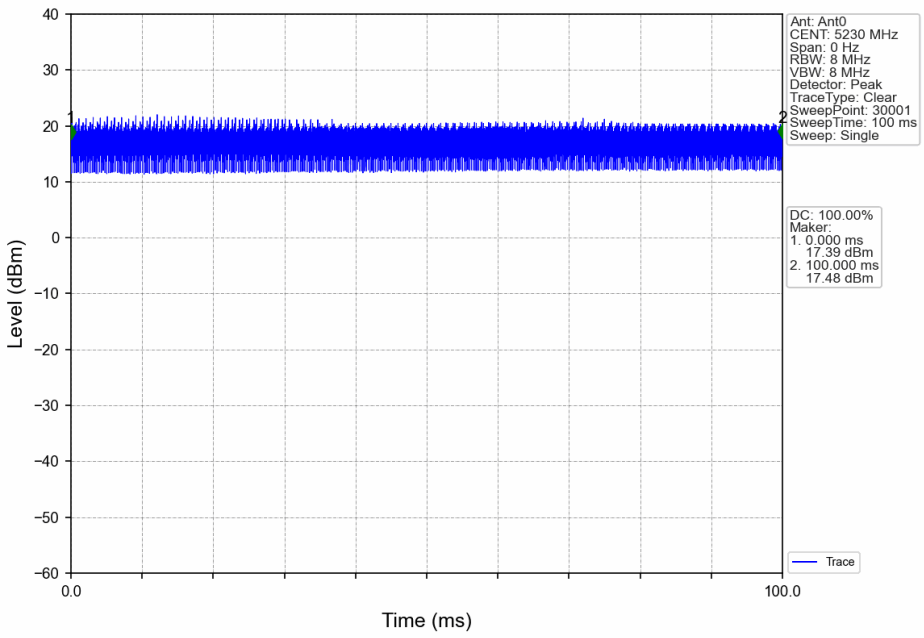
40MHz_LCH_5170MHz_Ant0_NTNV



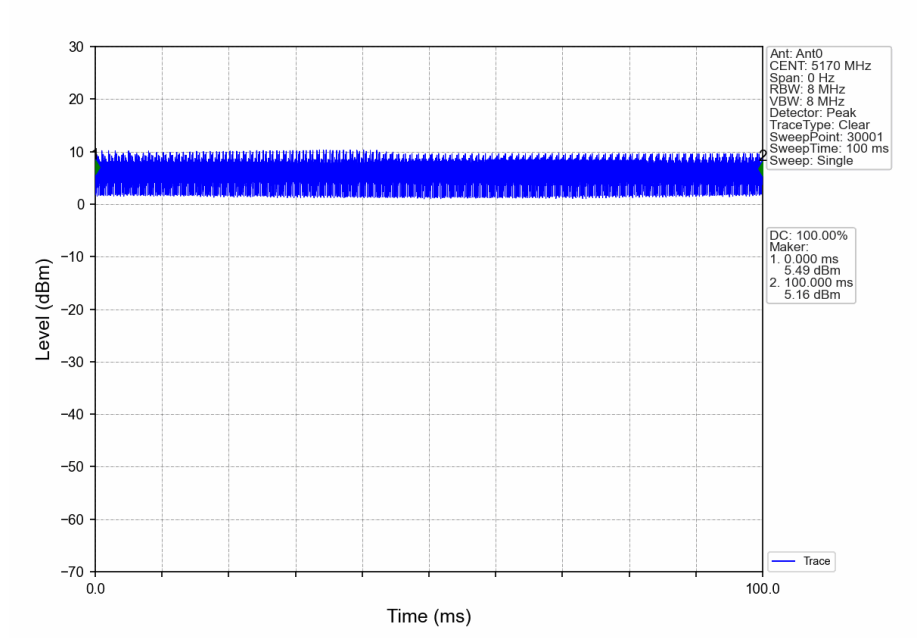
40MHz_MCH_5200MHz_Ant0_NTNV



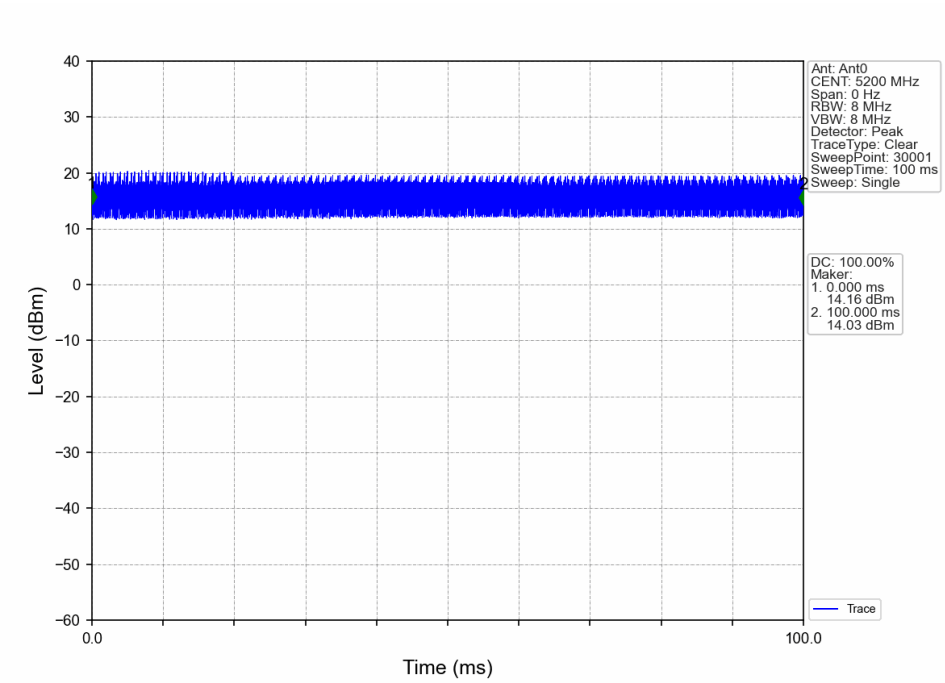
40MHz_HCH_5230MHz_Ant0_NTNV



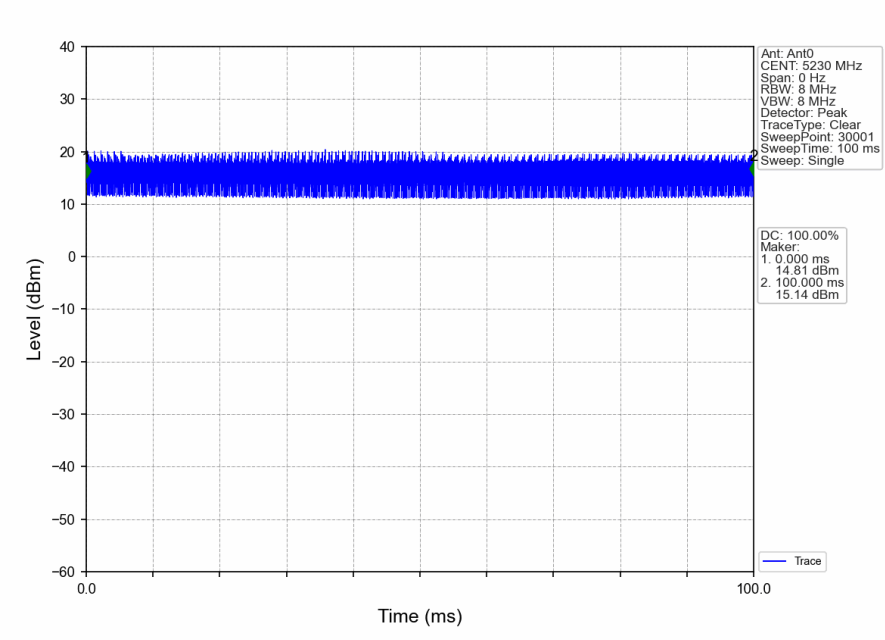
40MHz_LCH_5170MHz_Ant0_NTNV



40MHz_MCH_5200MHz_Ant0_NTNV



40MHz_HCH_5230MHz_Ant0_NTNV



2. Bandwidth

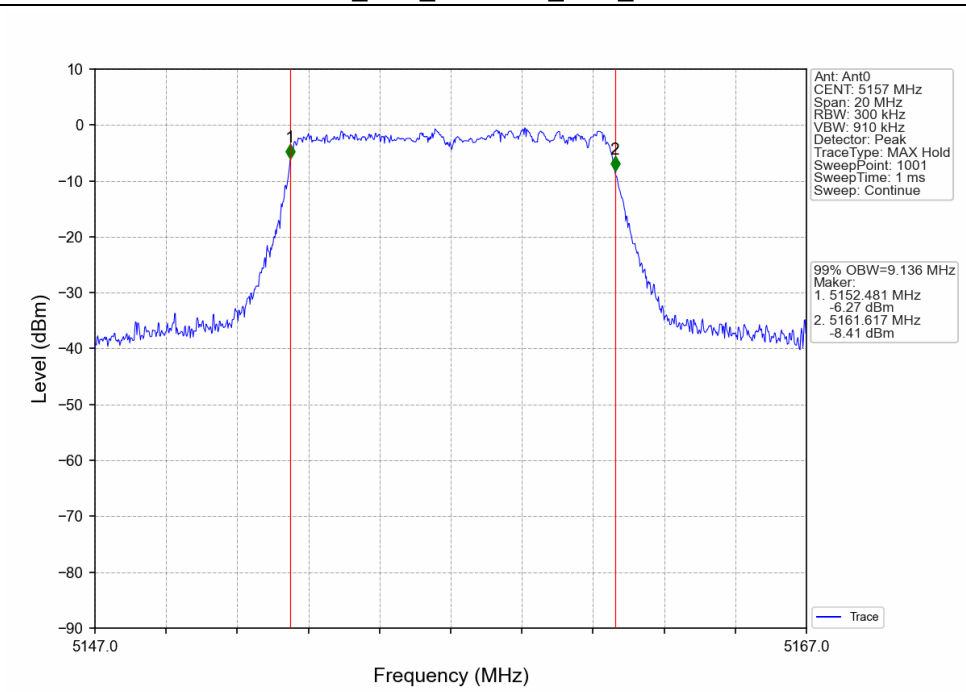
2.1 OBW

2.1.1 Test Result

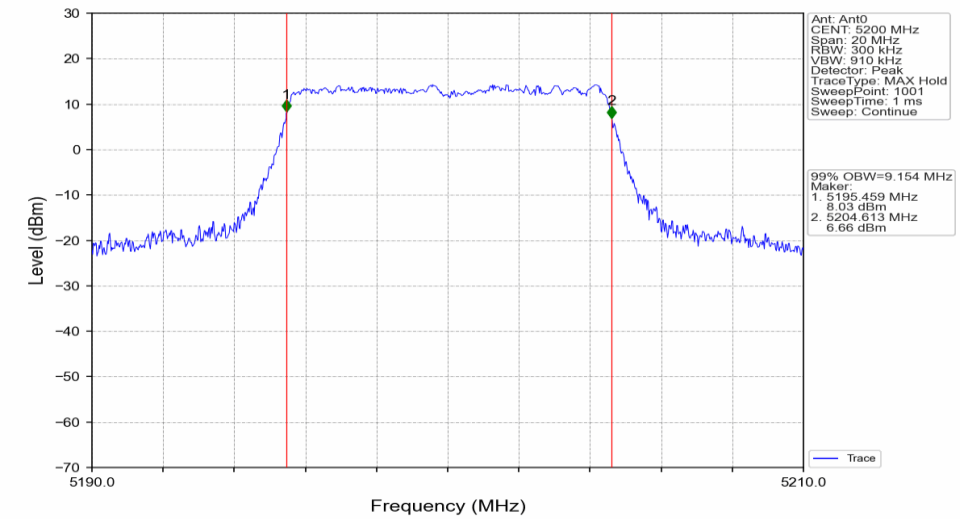
Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz) Result	Verdict
10MHz	SISO	5157	0	9.136	Pass
		5200	0	9.154	Pass
		5245	0	9.160	Pass
	MIMO	5157	0	9.098	Pass
		5200	0	9.134	Pass
		5245	0	9.123	Pass
20MHz	SISO	5161	0	18.177	Pass
		5200	0	18.219	Pass
		5240	0	18.185	Pass
	MIMO	5161	0	18.095	Pass
		5200	0	18.088	Pass
		5240	0	18.132	Pass
40MHz	SISO	5170	0	36.266	Pass
		5200	0	36.476	Pass
		5230	0	36.265	Pass
	MIMO	5170	0	36.159	Pass
		5200	0	36.170	Pass
		5230	0	36.139	Pass

2.1.2 Test Graph

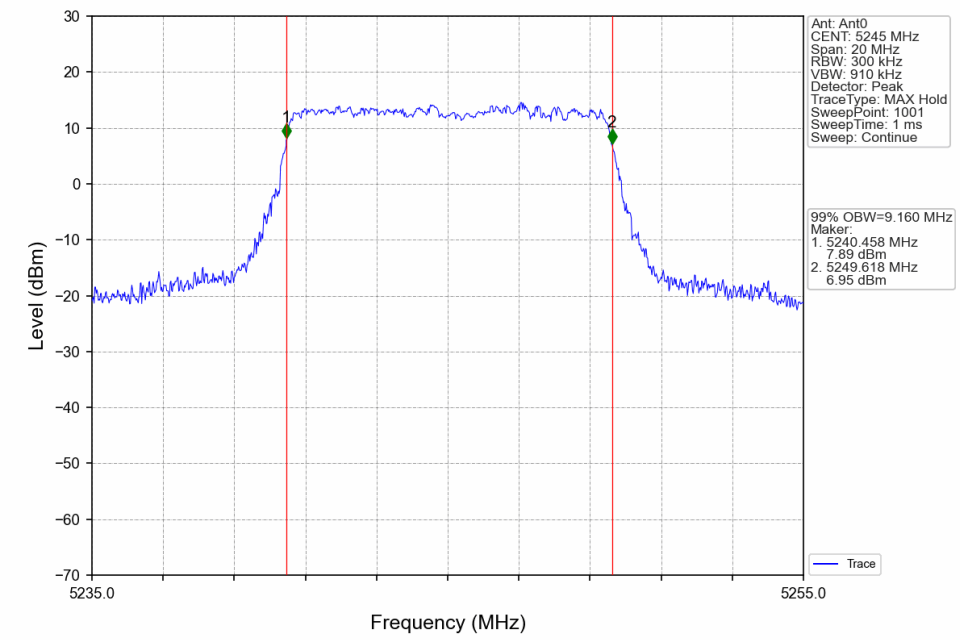
10MHz_LCH_5157MHz_Ant0_NTNV



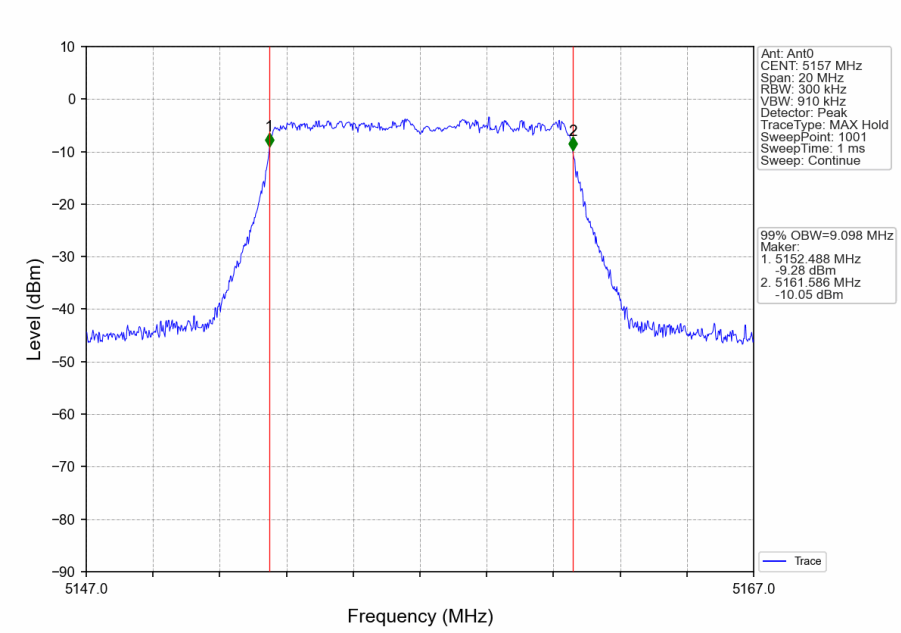
10MHz_MCH_5200MHz_Ant0_NTNV



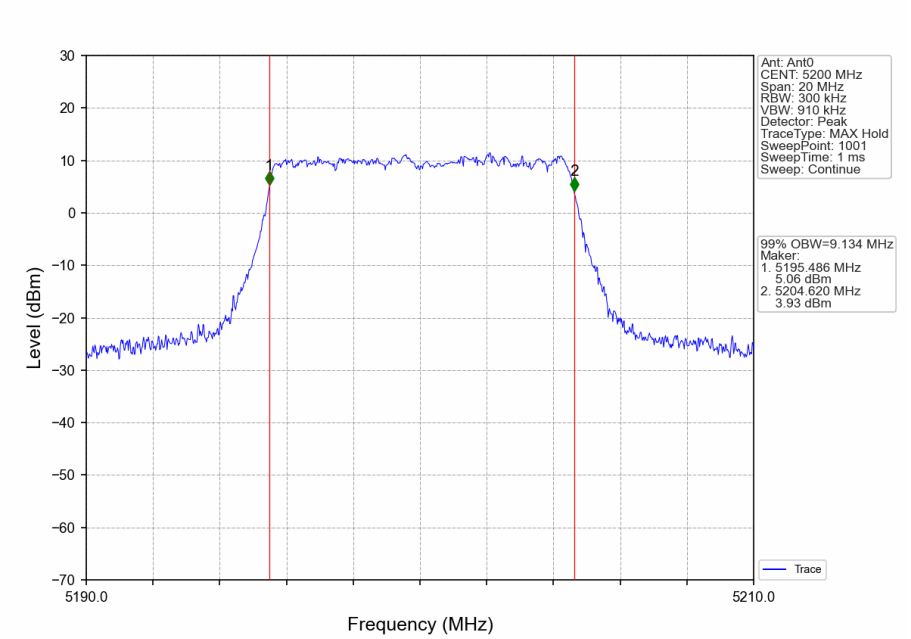
10MHz_HCH_5245MHz_Ant0_NTNV



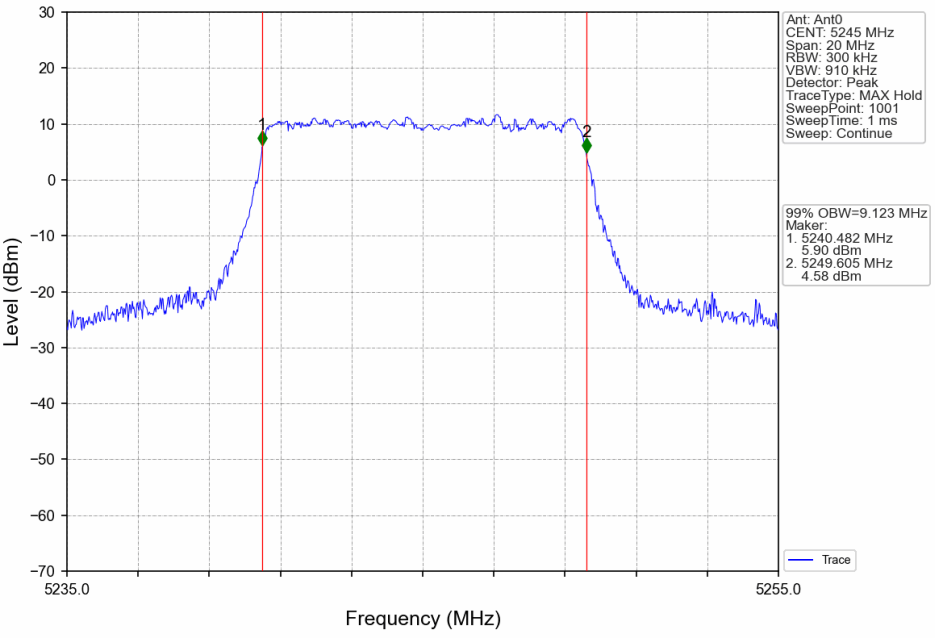
10MHz_LCH_5157MHz_Ant0_NTNV



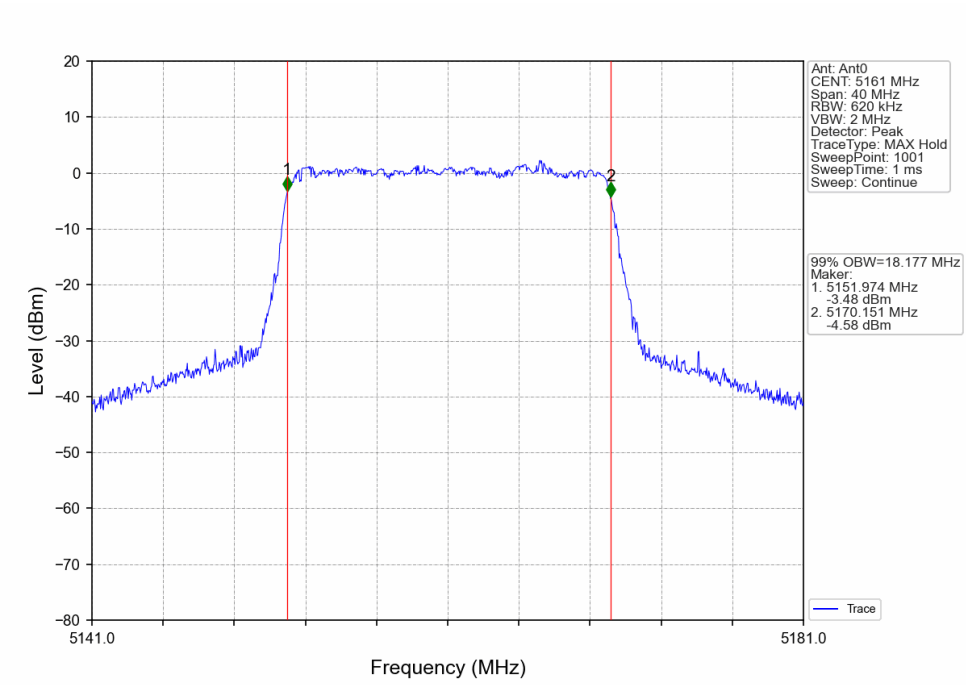
10MHz_MCH_5200MHz_Ant0_NTNV



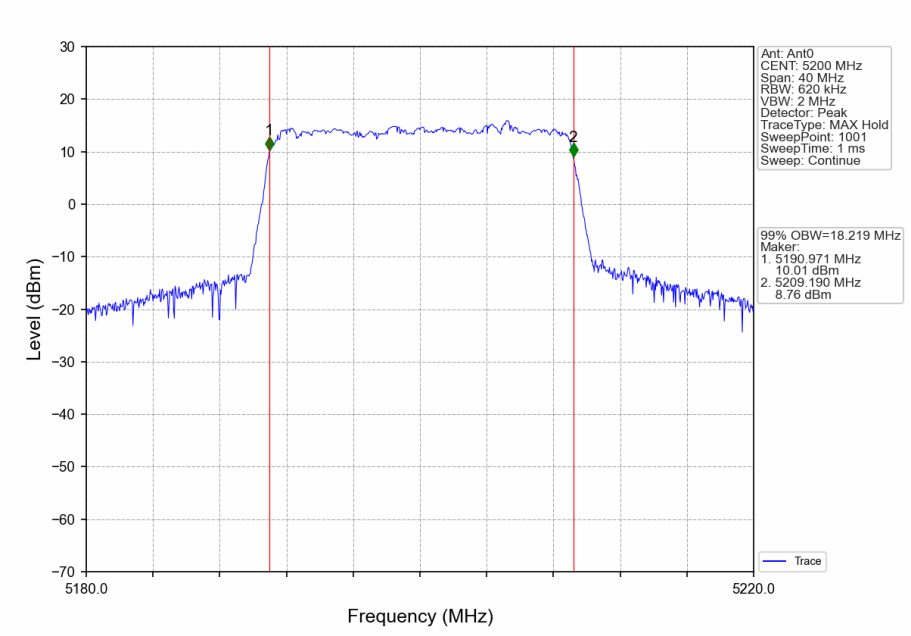
10MHz_HCH_5245MHz_Ant0_NTNV



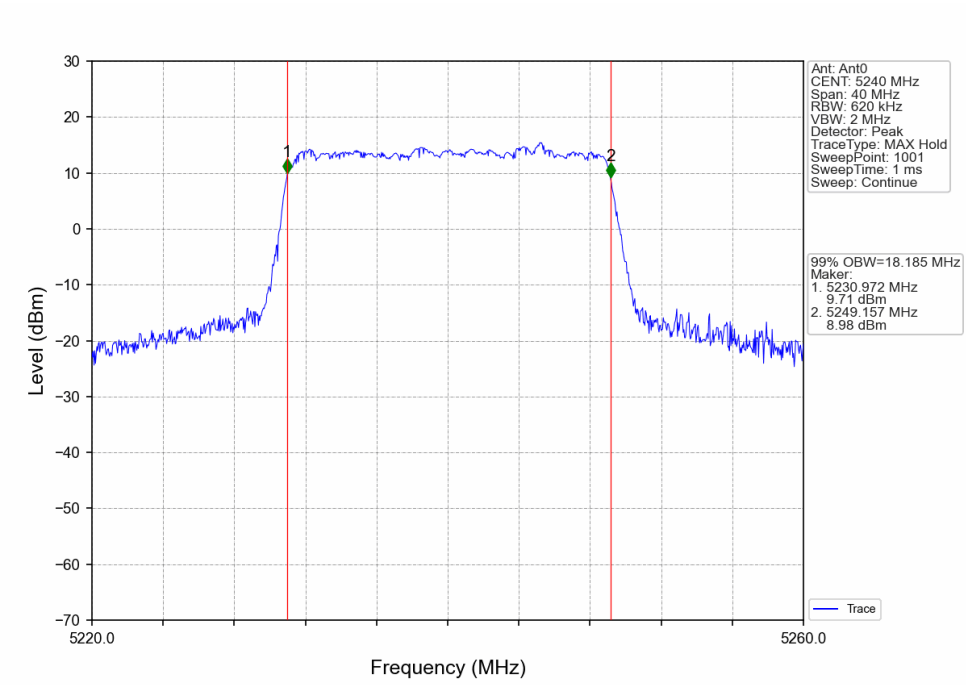
20MHz_LCH_5161MHz_Ant0_NTNV



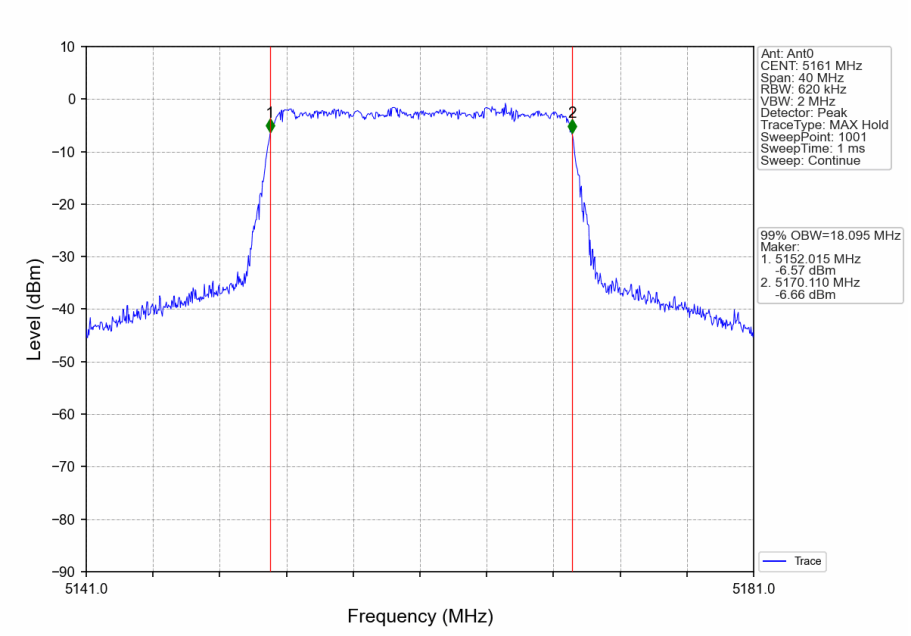
20MHz_MCH_5200MHz_Ant0_NTNV



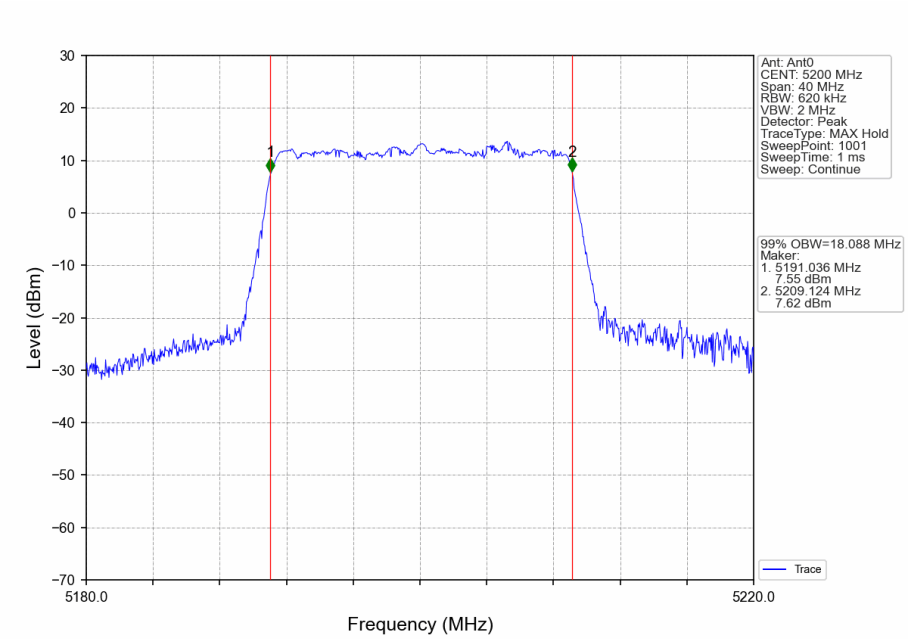
20MHz_HCH_5240MHzHz_Ant0_NTNV



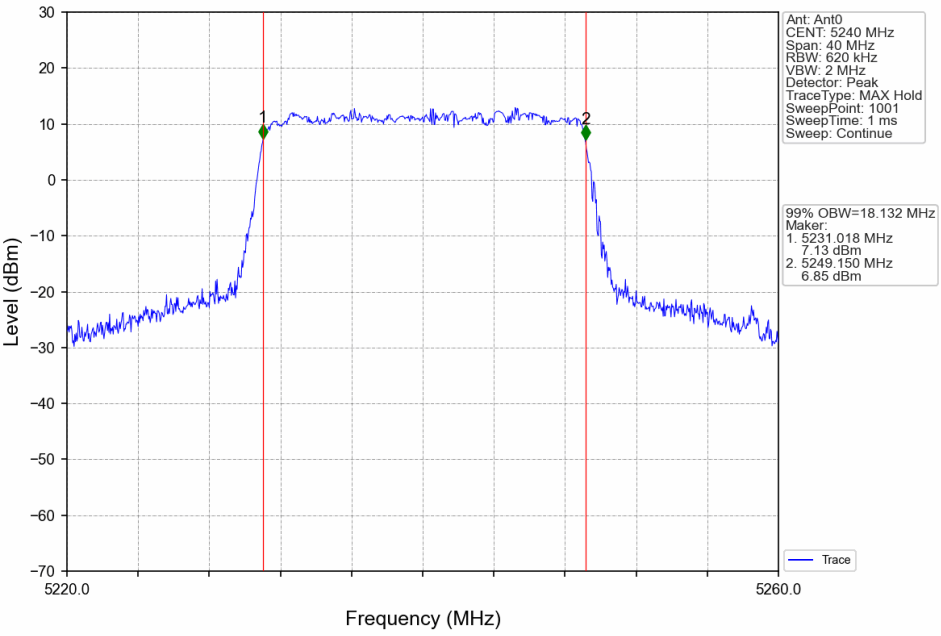
20MHz_LCH_5161MHz_Ant0_NTNV



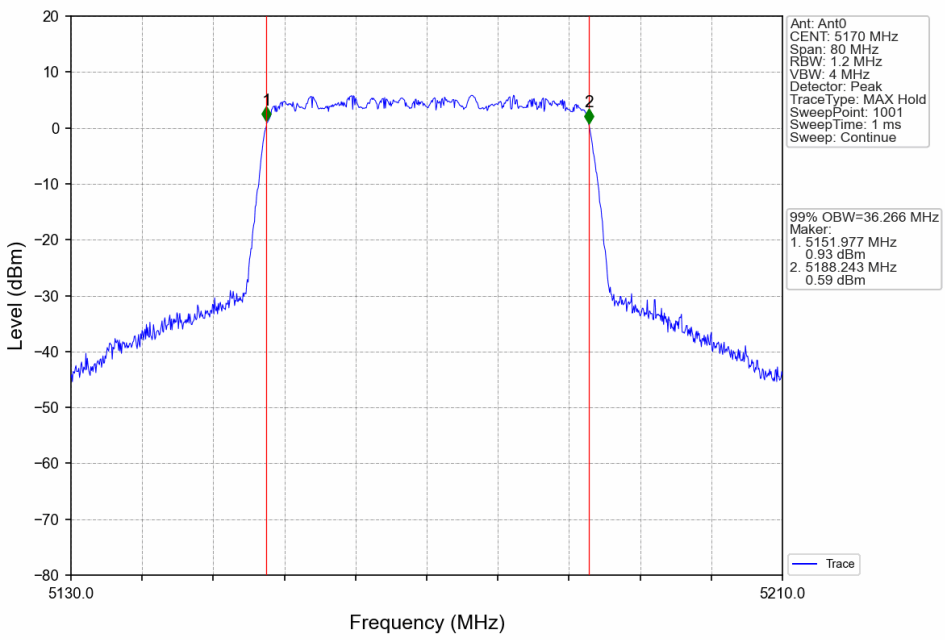
20MHz_MCH_5200MHz_Ant0_NTNV



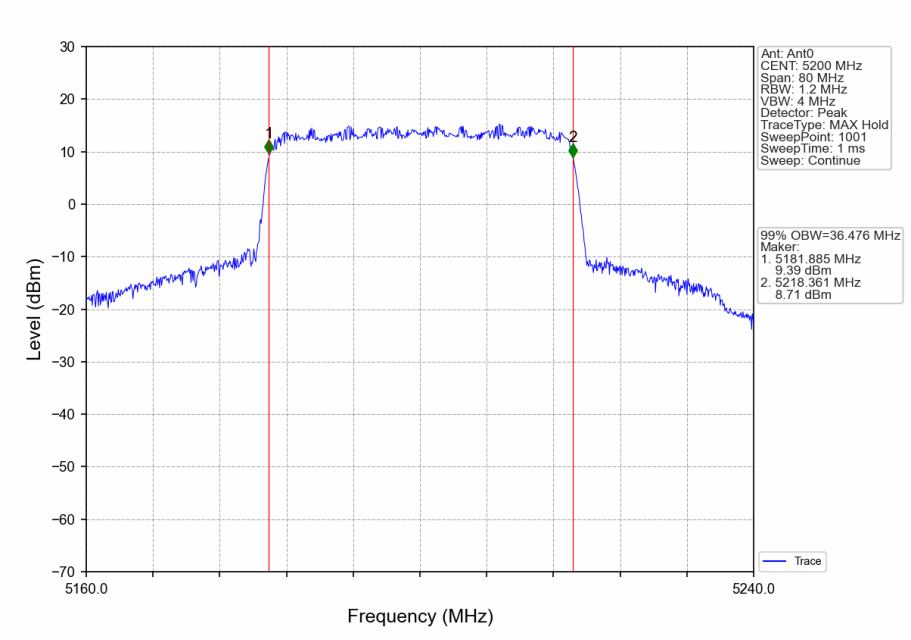
20MHz_HCH_5240MHzHz_Ant0_NTNV



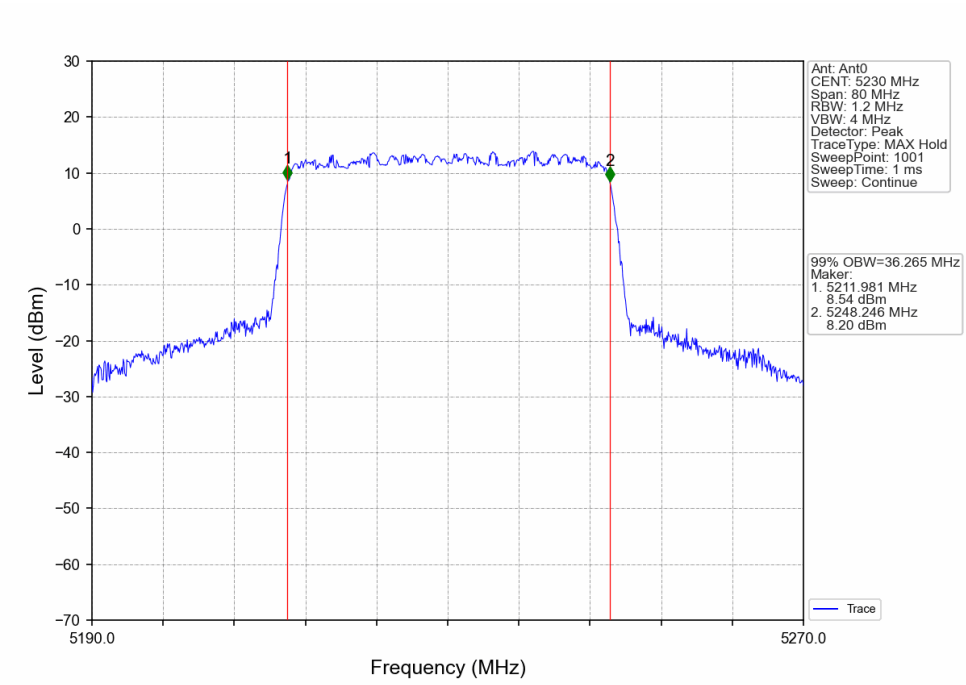
40MHz_LCH_5170MHz_Ant0_NTNV



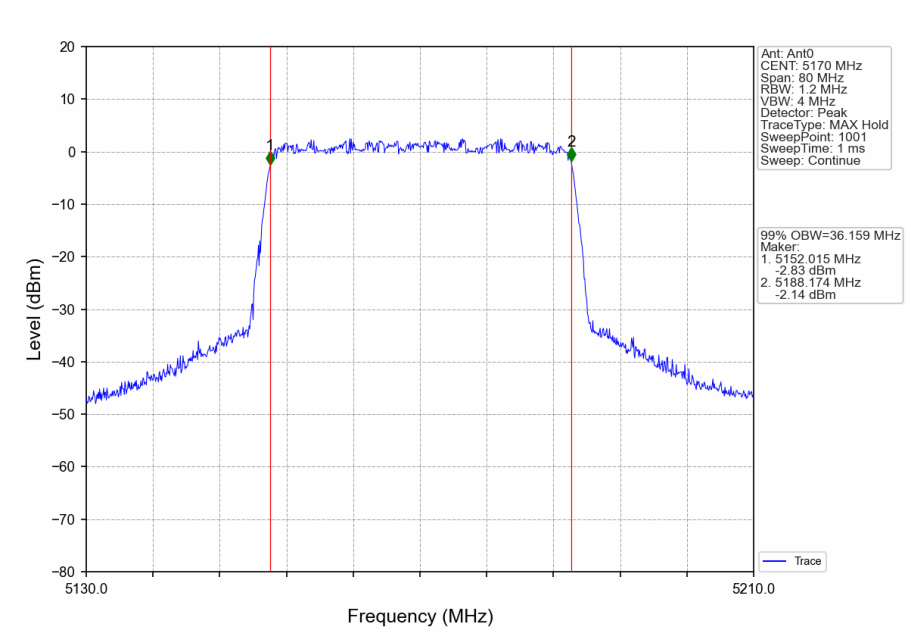
40MHz_MCH_5200MHz_Ant0_NTNV



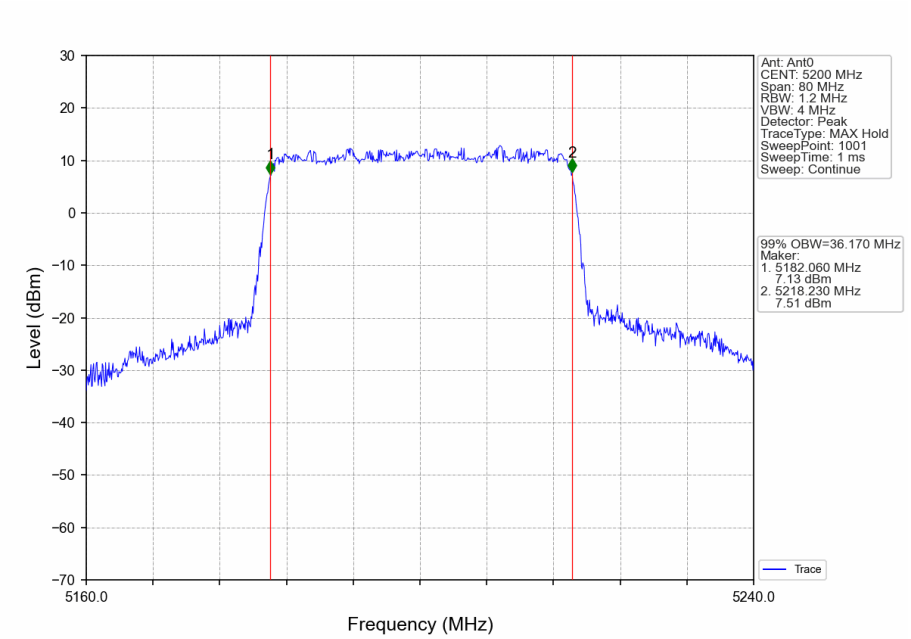
40MHz_HCH_5230MHz_Ant0_NTNV



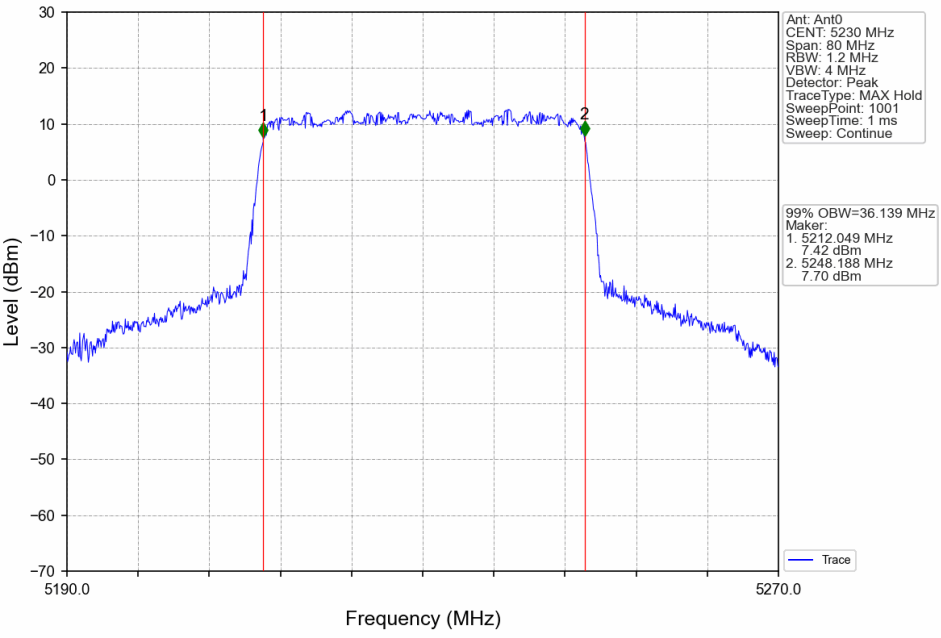
40MHz_LCH_5170MHz_Ant0_NTNV



40MHz_MCH_5200MHz_Ant0_NTNV



40MHz_HCH_5230MHz_Ant0_NTNV



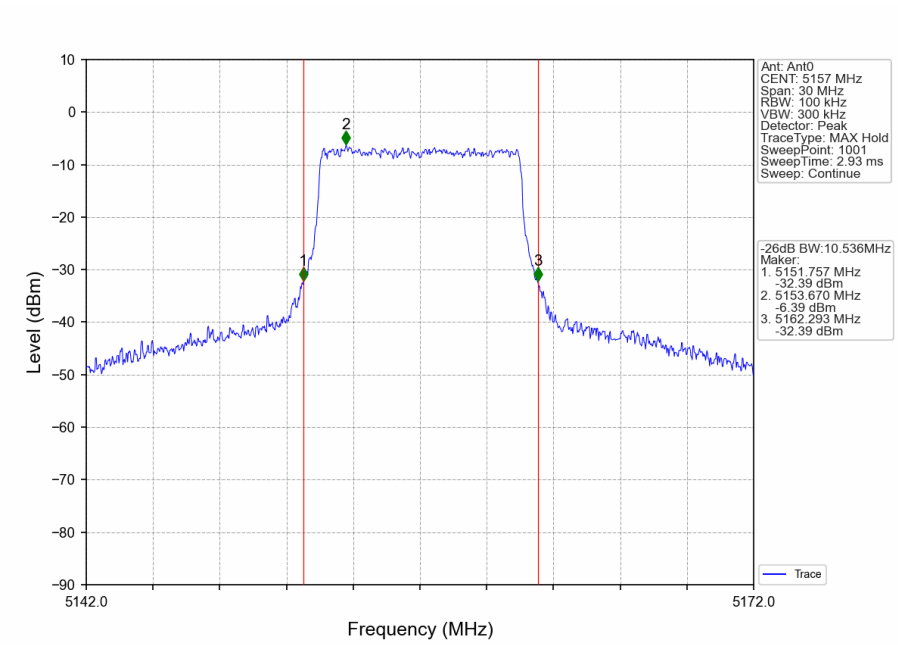
2.2 26dB BW

2.2.1 Test Result

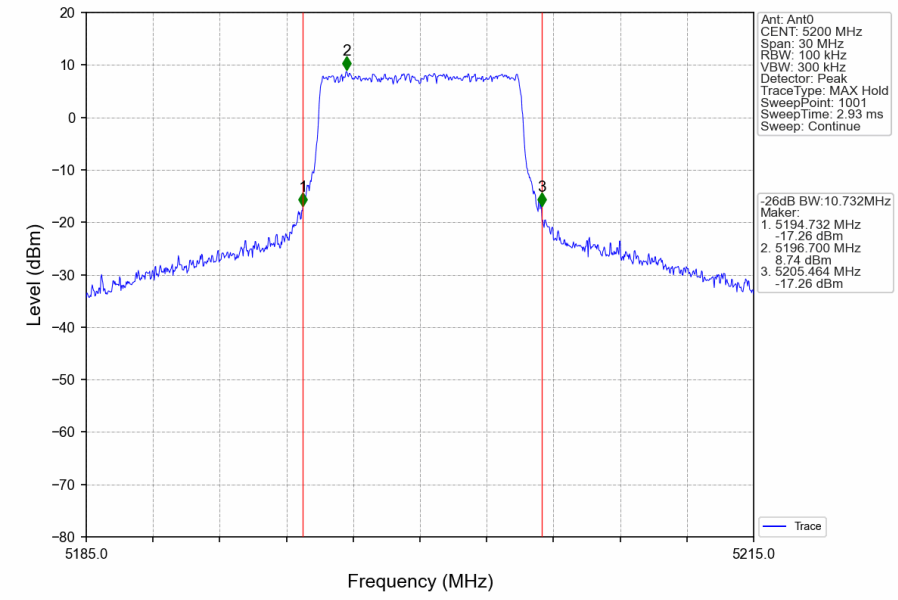
Mode	TX Type	Frequency (MHz)	ANT	26dB Bandwidth (MHz)	Verdict
				Result	
10MHz	SISO	5157	0	10.536	Pass
		5200	0	10.732	Pass
		5245	0	10.642	Pass
	MIMO	5157	0	10.363	Pass
		5200	0	10.444	Pass
		5245	0	10.549	Pass
20MHz	SISO	5161	0	19.553	Pass
		5200	0	19.453	Pass
		5240	0	19.625	Pass
	MIMO	5161	0	19.561	Pass
		5200	0	19.324	Pass
		5240	0	19.563	Pass
40MHz	SISO	5170	0	38.263	Pass
		5200	0	38.192	Pass
		5230	0	38.245	Pass
	MIMO	5170	0	37.993	Pass
		5200	0	38.363	Pass
		5230	0	37.930	Pass

2.2.2 Test Graph

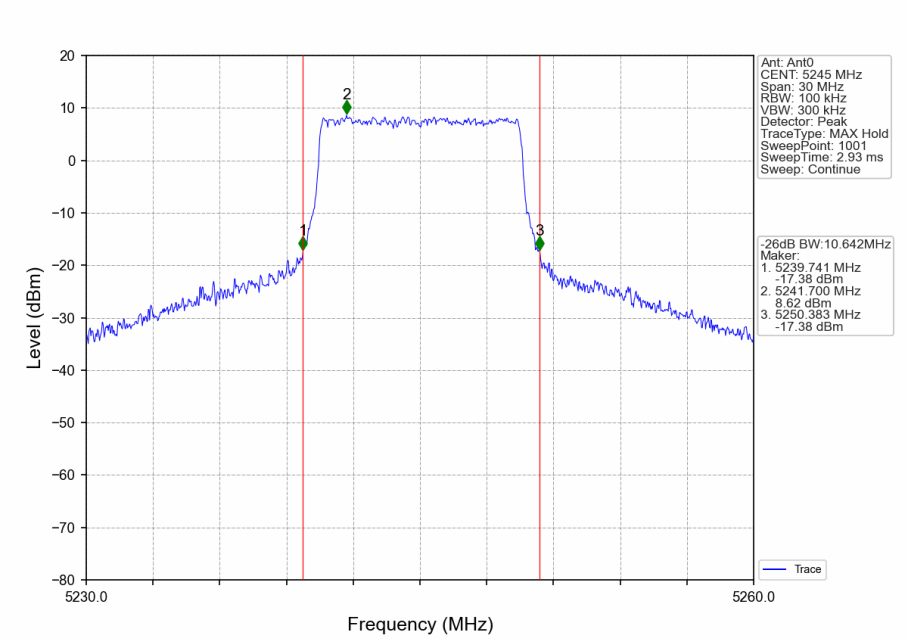
10MHz_LCH_5157MHz_Ant0_NTNV



10MHz_MCH_5200MHz_Ant0_NTNV



10MHz_HCH_5245MHz_Ant0_NTNV



10MHz_LCH_5157MHz_Ant0_NTNV