

TEST REPORT

Application No.: SZCR2506002444TL
Applicant: Bark Technologies, Inc.
Address of Applicant: 10612 Providence Road Suite D, PMB 705 Charlotte North Carolina United States 28277
Manufacturer: Bark Technologies, Inc.
Address of Manufacturer: 10612 Providence Road Suite D, PMB 705 Charlotte North Carolina United States 28277
Equipment Under Test (EUT):
EUT Name: Bark Sync
Model No.: BARK-SYNC-5000
Trade Mark: Bark
FCC ID: 2BQJH-SYNC5000
Standard(s) : 47 CFR Part 15, Subpart E 15.407
Date of Receipt: 2025-06-10
Date of Test: 2025-06-10 to 2025-07-11
Date of Issue: 2025-07-23

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



Keny Xu
EMC Laboratory Manager



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Shenzhen Branch EMC Laboratory

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Revision Record				
Version	Chapter	Date	Modifier	Remark
01		2025-07-23		Original

Authorized for issue by:				
		Donjon . Huang		
		Donjon Huang/Project Engineer		
		Eric Fu		
		Eric Fu/Reviewer		



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2 Test Summary

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

Radio Spectrum Matter Part				
Item	Standard	Method	Requirement	Result
Conducted Emissions at AC Power Line (150kHz-30MHz)	47 CFR Part 15, Subpart E 15.407	ANSI C63.10 (2013) Section 6.2	47 CFR Part 15, Subpart C 15.207 & Subpart E 15.407 b(9)	Pass
Maximum Conducted output power		ANSI C63.10 (2013) Section 12.3	47 CFR Part 15, Subpart E 15.407 (a)	Pass
Radiated Emissions (Below 1GHz)		ANSI C63.10 (2013) Section 6.4,6.5	47 CFR Part 15, Subpart C 15.209 & Subpart E 15.407(b)	Pass
Radiated Emissions (Above 1GHz)		ANSI C63.10 (2013) Section 6.6	47 CFR Part 15, Subpart C 15.209 & Subpart E 15.407(b)	Pass
Radiated Emissions which fall in the restricted bands		ANSI C63.10 (2013) Section 6.10.5	47 CFR Part 15, Subpart C 15.209 & Subpart E 15.407(b)	Pass
Duty Cycle		ANSI C63.10 (2013) Section 12.2	ANSI C63.10 (2013) Section 12.2	Pass
99% Bandwidth		ANSI C63.10 (2013) Section 12.4.2	ANSI C63.10 (2013) Section 12.4.2	Pass
26dB Emission bandwidth		ANSI C63.10 (2013) Section 12.4.1	47 CFR Part 15, Subpart E 15.407 (a)	Pass
Minimum 6 dB bandwidth (5.725-5.85 GHz band)		ANSI C63.10 (2013) Section 6.9.2	47 CFR Part 15, Subpart E 15.407 (e)	Pass
Peak Power spectrum density		ANSI C63.10 (2013) Section 12.5	47 CFR Part 15, Subpart E 15.407 (a)	Pass
Frequency Stability		ANSI C63.10 (2013) Section 6.8	47 CFR Part 15, Subpart E 15.407 (g)	Pass
Transmitter Power Control		ANSI C63.10 (2013) Section 12.3	47 CFR Part 15, Subpart E 15.407 (h)(1)	Pass

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4 General Information

4.1 Details of E.U.T.

Power supply:	AC 120V
Operation Frequency/Number of channels (20MHz):	U-NII-1: 5180-5240MHz (4 Channels); U-NII-2A: 5260-5320MHz (4 Channels); U-NII-2C: 5500-5700MHz (11 Channels); U-NII-3: 5745-5825MHz (5 Channels)
Operation Frequency/Number of channels/(40MHz):	U-NII-1: 5190-5230MHz (2 Channels); U-NII-2A: 5270-5310MHz (2 Channels); U-NII-2C: 5510-5670MHz (5 Channels); U-NII-3: 5755-5795MHz (2 Channels)
Operation Frequency/Number of channels (80MHz):	U-NII-1: 5210MHz (1 Channel); U-NII-2A: 5290MHz (1 Channels); U-NII-2C: 5530-5610MHz (2 Channels); U-NII-3: 5775MHz (1 Channel)
Modulation Type:	802.11a: OFDM (BPSK, QPSK, 16QAM, 64QAM); 802.11n: OFDM (BPSK, QPSK, 16QAM, 64QAM); 802.11ac: OFDM (BPSK, QPSK, 16QAM, 64QAM, 256QAM)
Channel Spacing:	802.11a/n/ac 20: 20MHz; 802.11n/ac 40: 40MHz; 802.11ac 80: 80MHz
DFS Function:	Master
TPC Function:	Support TPC function
Antenna Type:	PCB Antenna
Antenna Gain:	5150MHz to 5250MHz: 4.58dBi(Ant1); 3.64dBi(Ant2) 5250MHz to 5350MHz: 4.97dBi(Ant1); 4.30dBi(Ant2) 5470MHz to 5725MHz: 4.89dBi(Ant1); 4.58dBi(Ant2) 5725MHz to 5850MHz: 4.86dBi(Ant1); 3.67dBi(Ant2) Directional Gain: Band1: 7.59dBi, Band2A: 7.98dBi, Band2C: 7.9dBi, Band3: 7.87dBi
Remark:	Two antennas can simultaneous transmission
Antenna Number:	2

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 Environment Parameter

Environment Parameter	1020 mbar Selected Values During Tests	
Relative Humidity	40.2-56.3 % RH Ambient	
Value	Temperature(°C)	Voltage(V)
NTNV	22.5~25.1	120
Note:		
NV:Normal Voltage	LV:Low Extreme Test Voltage	HV:High Extreme Test Voltage
NT:Normal Temperature	LT:Low Extreme Test Temperature	HT:High Extreme Test Temperature

4.3 Description of Support Units

Description	Manufacturer	Model No.	Serial No.
--	--	--	--
The EUT has been tested as an independent unit.			

4.4 Measurement Uncertainty

Test Item	Measurement Uncertainty
Conducted Emissions at AC Power Line (150kHz-30MHz)	$\pm 3.1\text{dB}$
Maximum Conducted output power	$\pm 0.75\text{dB}$
Radiated Emissions (Below 1GHz)	$\pm 6.0\text{dB}$ for 3m; $\pm 5.0\text{dB}$ for 10m
Radiated Emissions (Above 1GHz)	$\pm 4.6\text{dB}$ (1-18GHz); $\pm 4.8\text{dB}$ (18-40GHz)
Radiated Emissions which fall in the restricted bands	$\pm 6.0\text{dB}$ (below 1GHz); $\pm 4.6\text{dB}$ (above 1GHz);
Duty Cycle	$\pm 0.37\%$
99% Bandwidth	$\pm 3\%$
26dB Emission bandwidth	$\pm 3\%$
Minimum 6 dB bandwidth (5.725-5.85 GHz band)	$\pm 3\%$
Peak Power spectrum density	$\pm 2.84\text{dB}$
Frequency Stability	$\pm 7.25 \times 10^{-8}$
Transmitter Power Control	$\pm 0.75\text{dB}$

Remark:

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

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

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4.5 Test Location

All tests were performed at:

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

No tests were sub-contracted.

4.6 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.

4.7 Deviation from Standards

None

4.8 Abnormalities from Standard Conditions

None



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5 Equipment List

Conducted Emissions at AC Power Line (150kHz-30MHz)					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
Shielding Room	ZhongYu Electron	GB-88	SEM001-06	2025-05-07	2028-05-06
EMI Test Receiver	Rohde&Schwarz	ESR	SZ-WRG-M-047	2025-01-08	2026-01-07
Matching Pad	N/A	N/A	SEM021-23	2025-03-19	2026-03-18
Matching Pad	N/A	N/A	SEM021-24	2025-03-19	2026-03-18
Measurement Software	AUDIX	e3 V8.2014-6-27a	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM024-01	2024-07-06	2025-07-05
				2025-07-05	2026-07-04
LISN	Rohde&Schwarz	ENV216	SEM007-01	2024-08-15	2025-08-14
LISN	ETS-LINDGREN	3816/2	SEM007-02	2025-03-03	2026-03-02

Maximum Conducted output power					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
Power Sensor	TST PASS	TSPS2023R	SEM009-26	2025-03-04	2026-03-03
Power Sensor	KEYSIGHT	U2021XA	SEM009-16	2025-03-04	2026-03-03
DC Power Supply	Chroma	62012P-80-60	SEM011-11	2024-08-14	2025-08-13
MXA Signal Analyzer	KEYSIGHT	N9020A	SEM004-19	2025-03-04	2026-03-03
Signal Generator	KEYSIGHT	N5173B	SEM006-05	2024-09-14	2025-09-13
Measurement Software	TST PASS	TST PASS V2.0	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM031-01	2024-07-06	2025-07-05
				2025-07-05	2026-07-04
Attenuator	Huber+Suhner	6620_SMA-50-1	SEM021-09	2025-03-03	2026-03-02
Programmable Temperature & Humidity Chamber	Votsch Industrietechnik GmbH	VT 4002	SEM002-15	2025-02-26	2026-02-25



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Radiated Emissions (Below 1GHz)					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
Loop Antenna	ETS-Lindgren	6502	SEM003-08	2023-11-20	2025-11-19
3m Semi-Anechoic Chamber	ETS-LINDGREN	N/A	SEM001-01	2023-06-19	2026-06-18
MXE EMI Receiver	Agilent Technologies	N9038A	SEM004-15	2024-08-14	2025-08-13
BiConiLog Antenna	ETS-LINDGREN	3142C	SEM003-01	2023-09-16	2025-09-15
Pre-Amplifier	Agilent Technologies	8447D	SEM005-01	2025-03-04	2026-03-03
Measurement Software	AUDIX	e3 V8.2014-6-27	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM025-01	2024-07-06	2025-07-05
				2025-07-05	2026-07-04

Radiated Emissions (Above 1GHz)					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
3m Fully-Anechoic Chamber	AUDIX	N/A	SEM001-02	2025-05-07	2028-05-06
Signal Analyzer	Rohde & Schwarz	FSV40	SEM008-04	2025-03-04	2026-03-03
Horn Antenna	Rohde&Schwarz	HF907	SEM003-07	2023-07-23	2025-07-22
				2025-07-22	2027-07-21
Microwave system amplifier	Agilent	83017A	SEM005-25	2024-09-14	2025-09-13
Measurement Software	AUDIX	e3 V8.2014-6-27	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM026-01	2024-07-06	2025-07-05
				2025-07-05	2026-07-04
Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	SEM003-15	2024-08-10	2025-08-09
Pre-Amplifier	Compliance Directions Systems Inc.	PAP-2640-50	SEM005-08	2025-03-21	2026-03-20



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Radiated Emissions which fall in the restricted bands

Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
3m Fully-Anechoic Chamber	AUDIX	N/A	SEM001-02	2025-05-07	2028-05-06
Signal Analyzer	Rohde & Schwarz	FSV40	SEM008-04	2025-03-04	2026-03-03
Horn Antenna	Rohde&Schwarz	HF907	SEM003-07	2023-07-23	2025-07-22
				2025-07-22	2027-07-21
Microwave system amplifier	Agilent	83017A	SEM005-25	2024-09-14	2025-09-13
Measurement Software	AUDIX	e3 V8.2014-6-27	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM026-01	2024-07-06	2025-07-05
				2025-07-05	2026-07-04

RF Conducted Test

Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
DC Power Supply	Chroma	62012P-80-60	SEM011-11	2024-08-14	2025-08-13
MXA Signal Analyzer	KEYSIGHT	N9020A	SEM004-19	2025-03-04	2026-03-03
Signal Generator	KEYSIGHT	N5173B	SEM006-05	2024-09-14	2025-09-13
Measurement Software	TST PASS	TST PASS V2.0	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM031-01	2024-07-06	2025-07-05
				2025-07-05	2026-07-04
Attenuator	Huber+Suhner	6620_SMA-50-1	SEM021-09	2025-03-03	2026-03-02
Programmable Temperature & Humidity Chamber	Votsch Industrietechnik GmbH	VT 4002	SEM002-15	2025-02-26	2026-02-25

General used equipment

Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
Humidity/ Temperature Indicator	deli	8838	SEM002-32	2024-07-24	2025-07-23
Humidity/ Temperature Indicator	deli	8838	SEM002-33	2024-07-24	2025-07-23
Barometer	Changchun Meteorological Industry Factory	DYM3	SEM002-01	2025-03-03	2026-03-02



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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

15.203 requirement:

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

EUT Antenna:

The antenna is a PCB Antenna, and the connection port is integrated inside the product, and the antenna cannot be replaced.

5150MHz to 5250MHz: 4.58dBi(Ant1); 3.64dBi(Ant2)*

5250MHz to 5350MHz: 4.97dBi(Ant1); 4.30dBi(Ant2)*

5470MHz to 5725MHz: 4.89dBi(Ant1); 4.58dBi(Ant2)*

5725MHz to 5850MHz: 4.86dBi(Ant1); 3.67dBi(Ant2)*

*Note:

The antenna gain are derived from the gain information report provided by the manufacturer.

Remark:

As above information is provided and confirmed by the applicant. SGS is not liable to the accuracy, suitability, reliability or/and integrity of the information.

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:

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



7 Radio Spectrum Matter Test Results

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

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

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

Limit:

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

*Decreases with the logarithm of the frequency.

7.1.1 E.U.T. Operation

Operating Environment:

Temperature: 22.5 °C

Humidity: 44.5 % RH

Atmospheric Pressure: 1020 mbar

7.1.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	01	TX mode (U-NII-1)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac 20/40/80, Only the data of worst case is recorded in the report.
Pre-scan	02	TX mode (U-NII-2A) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac 20/40/80, Only the data of worst case is recorded in the report.
Pre-scan	03	TX mode (U-NII-2C) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac 20/40/80, Only the data of worst case is recorded in the report.
Pre-scan	04	TX mode (U-NII-3) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac 20/40/80, Only the data of worst case is recorded in the report.



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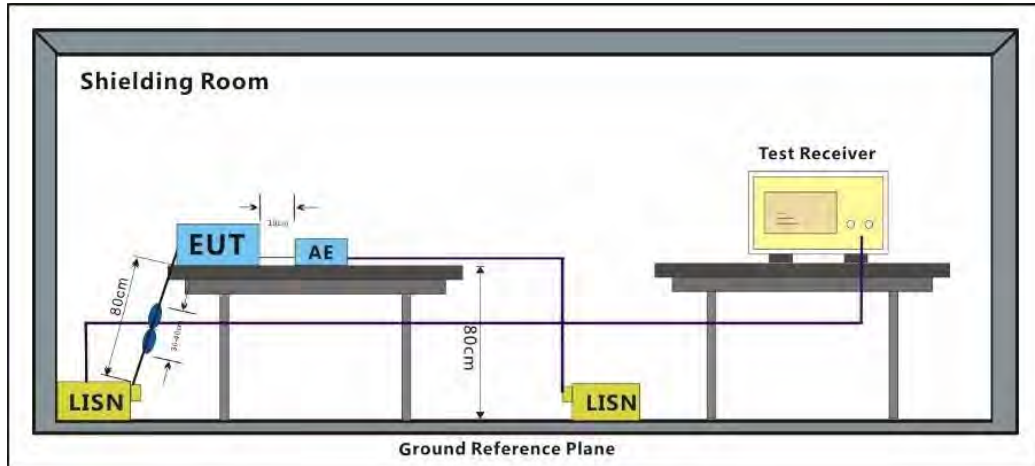
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		recorded in the report.
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7.1.3 Test Setup Diagram



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

Remark 2: Pre-test AC 120V/50-60Hz&AC 240V/50-60Hz then choose the AC 120/60Hz as worst case.

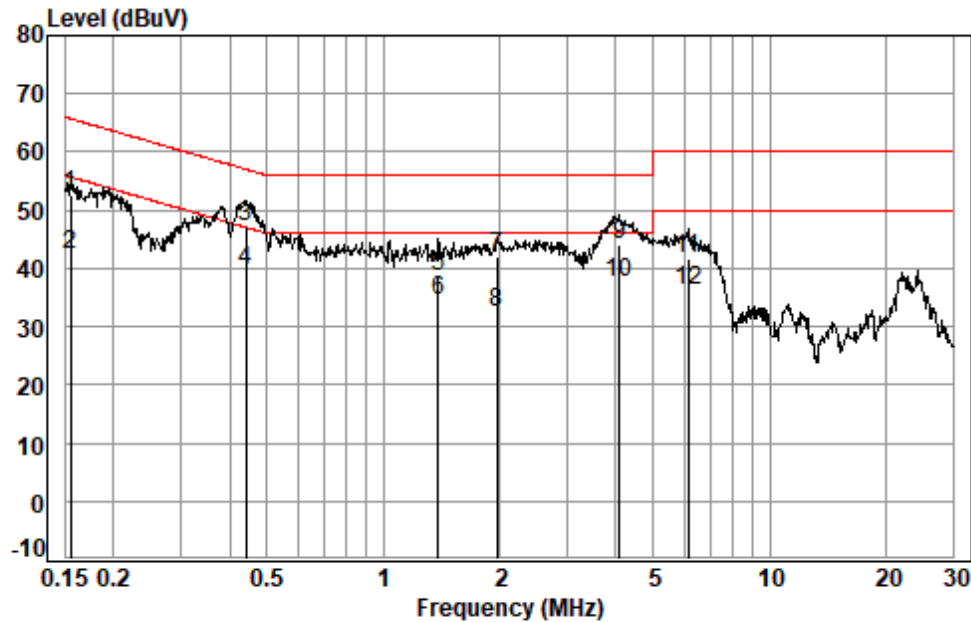
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Test Mode: 01; Line: Live line



Site : Shielding Room
Condition: Line
Job No. : 02444TL
Test mode: 01

	Freq	Cable Loss	LISN Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB	dBuV	dBuV	dBuV	dB	
1	0.1548	0.06	10.19	42.39	52.64	65.74	-13.10	QP
2	0.1548	0.06	10.19	32.12	42.37	55.74	-13.37	Average
3 *	0.4421	0.08	9.61	37.57	47.26	57.02	-9.76	QP
4 *	0.4421	0.08	9.61	29.92	39.61	47.02	-7.41	Average
5	1.3884	0.10	9.58	28.88	38.56	56.00	-17.44	QP
6	1.3884	0.10	9.58	24.85	34.53	46.00	-11.47	Average
7	1.9697	0.10	9.58	32.43	42.11	56.00	-13.89	QP
8	1.9697	0.10	9.58	22.89	32.57	46.00	-13.43	Average
9	4.0920	0.12	9.66	34.29	44.07	56.00	-11.93	QP
10	4.0920	0.12	9.66	27.67	37.45	46.00	-8.55	Average
11	6.1534	0.14	9.67	31.96	41.77	60.00	-18.23	QP
12	6.1534	0.14	9.67	26.27	36.08	50.00	-13.92	Average



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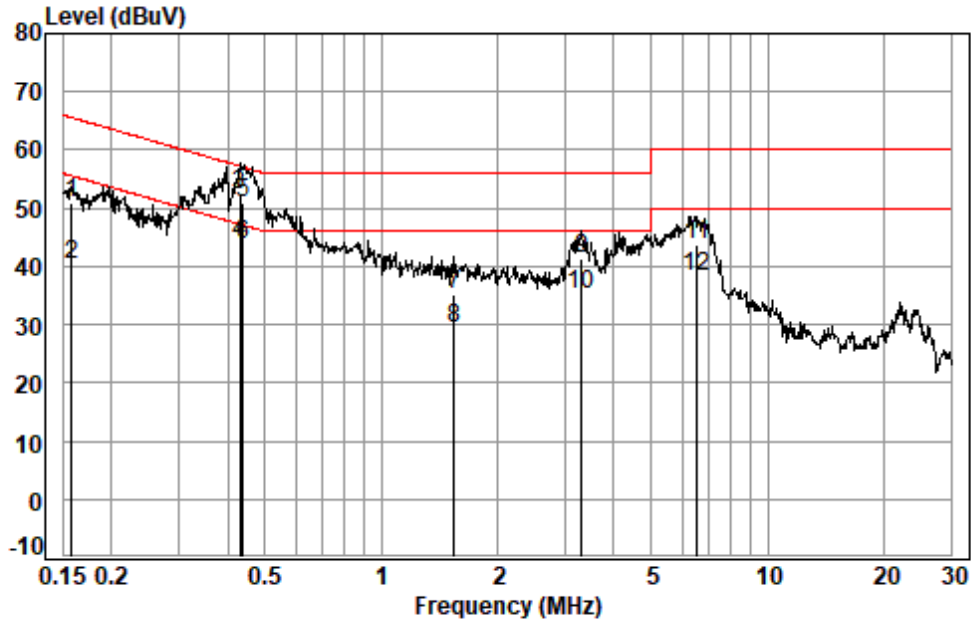
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Test Mode: 01; Line: Neutral Line



Site : Shielding Room
Condition: Neutral
Job No. : 02444TL
Test mode: 01

	Freq	Cable Loss	LISN Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB	dBuV	dBuV	dBuV	dB	
1	0.1582	0.06	10.14	40.75	50.95	65.56	-14.61	QP
2	0.1582	0.06	10.14	30.14	40.34	55.56	-15.22	Average
3 *	0.4305	0.08	9.73	42.34	52.15	57.24	-5.09	QP
4 *	0.4305	0.08	9.73	34.32	44.13	47.24	-3.11	Average
5	0.4397	0.08	9.73	41.19	51.00	57.07	-6.07	QP
6	0.4397	0.08	9.73	33.79	43.60	47.07	-3.47	Average
7	1.5436	0.10	9.55	25.45	35.10	56.00	-20.90	QP
8	1.5436	0.10	9.55	19.82	29.47	46.00	-16.53	Average
9	3.2930	0.11	9.54	31.64	41.29	56.00	-14.71	QP
10	3.2930	0.11	9.54	25.53	35.18	46.00	-10.82	Average
11	6.5921	0.15	9.63	34.08	43.86	60.00	-16.14	QP
12	6.5921	0.15	9.63	28.37	38.15	50.00	-11.85	Average



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7.2 Maximum Conducted output power

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

Test Method: ANSI C63.10 (2013) Section 12.3

Limit:

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

7.2.1 E.U.T. Operation

Operating Environment:

Temperature: 25.1 °C

Humidity: 40.2 % RH

Atmospheric Pressure: 1020 mbar

7.2.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	01	TX mode (U-NII-1)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac 20/40/80, Only the data of worst case is recorded in the report.
Final test	02	TX mode (U-NII-2A) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac 20/40/80, Only the data of worst case is recorded in the report.
Final test	03	TX mode (U-NII-2C) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac 20/40/80, Only the data of worst case is recorded in the report.
Final test	04	TX mode (U-NII-3) _Keep the EUT in continuously transmitting mode with all



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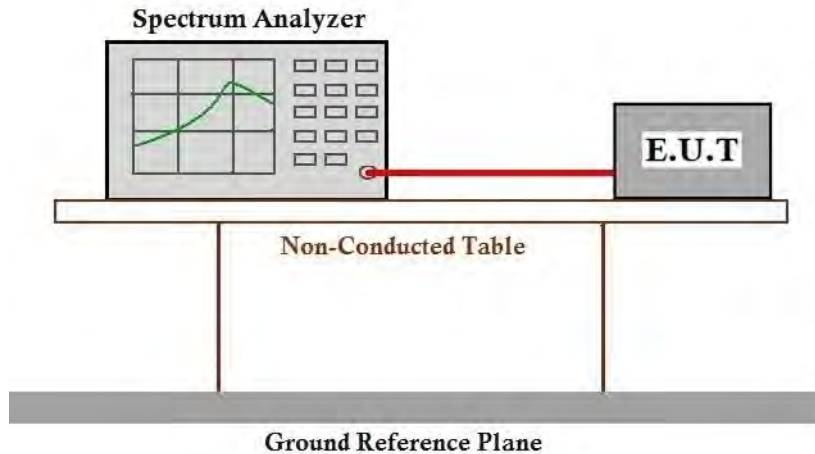
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		modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac 20/40/80, Only the data of worst case is recorded in the report.
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7.2.3 Test Setup Diagram



7.2.4 Measurement Procedure and Data

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

AV Output power Level = Reading level + Cable loss + DCCF

Please Refer to Appendix for Details

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7.3 Radiated Emissions (Below 1GHz)

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

Test Method: ANSI C63.10 (2013) Section 6.4,6.5

Measurement Distance: 3m

Limit:

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

7.3.1 E.U.T. Operation

Operating Environment:

Temperature: 23.3 °C

Humidity: 45.6 % RH

Atmospheric Pressure: 1020 mbar

7.3.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	01	TX mode (U-NII-1)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac 20/40/80, Only the data of worst case is recorded in the report.
Pre-scan	02	TX mode (U-NII-2A) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac 20/40/80, Only the data of worst case is recorded in the report.
Pre-scan	03	TX mode (U-NII-2C) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac 20/40/80, Only the data of worst case is recorded in the report.
Pre-scan	04	TX mode (U-NII-3) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0



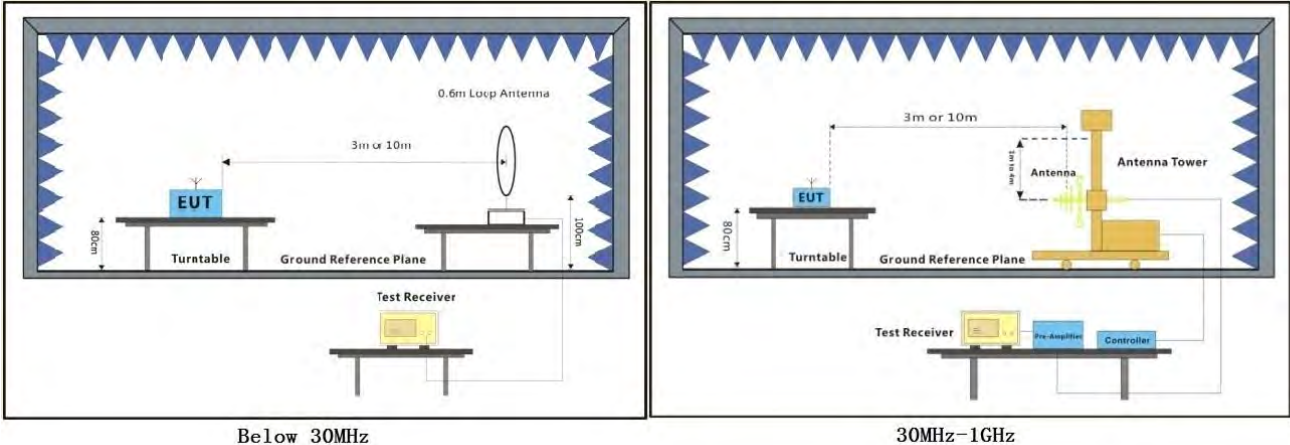
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		is the worst case of IEEE 802.11n/ac 20/40/80, Only the data of worst case is recorded in the report.
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7.3.3 Test Setup Diagram



7.3.4 Measurement Procedure and Data

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

Remark:

1. Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor
2. For emission below 1GHz, through the pre-scan found the worst case is the lowest channel of 802.11a. Only the worst case is recorded in the report.
3. Scan from 9kHz to 30MHz, the disturbance below 30MHz was very low. The points marked on above plots are the highest emissions could be found when testing, so only above points had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.
4. The disturbance below 1GHz was very low and the harmonics were the highest point could be found when testing, so only the above harmonics had been displayed.



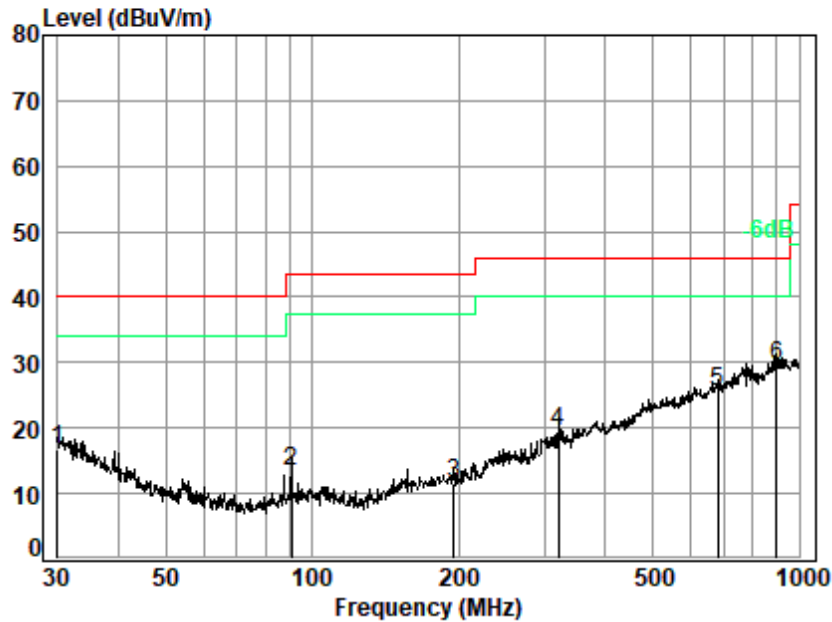
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Test Mode: 01; Polarity: Horizontal



Site : chamber
Condition: 3m HORIZONTAL
Job No. : 02444TL
Test Mode: 01

		Ant	Cable	Preamp	Read		Limit	Over	
	Freq	Factor	Loss	Factor	Level	Level	Line	Limit	Remark
	MHz	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB	
1	30.000	21.20	0.67	27.65	22.41	16.63	40.00	-23.37	QP
2	90.537	11.78	1.16	27.60	28.12	13.46	43.50	-30.04	QP
3	195.137	14.14	1.74	27.79	23.55	11.64	43.50	-31.86	QP
4	319.937	18.51	2.28	27.56	26.26	19.49	46.00	-26.51	QP
5	679.960	25.86	3.48	27.88	23.96	25.42	46.00	-20.58	QP
6 q	900.147	27.82	4.12	26.97	24.47	29.44	46.00	-16.56	QP



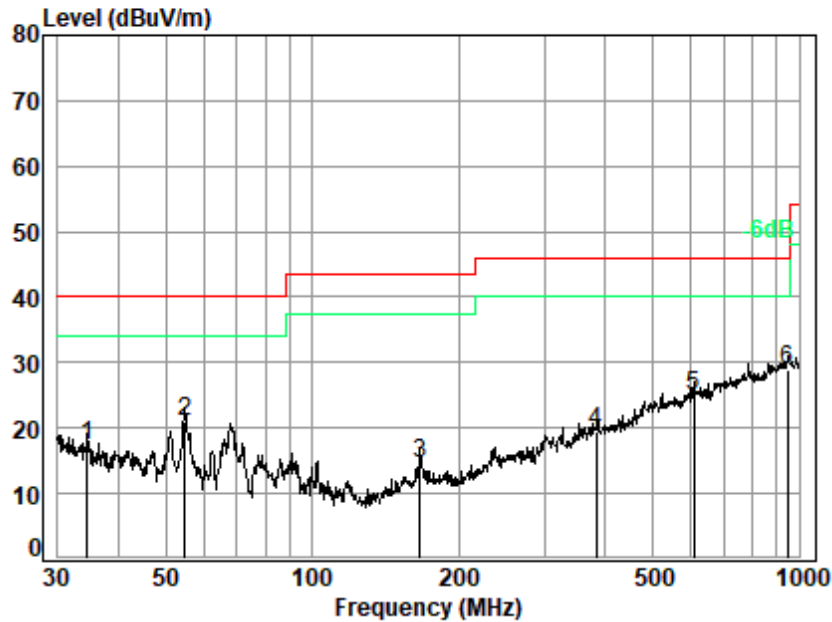
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Test Mode: 01; Polarity: Vertical



Site : chamber
Condition: 3m VERTICAL
Job No. : 02444TL
Test Mode: 01

		Ant	Cable	Preamp	Read		Limit	Over	
	Freq	Factor	Loss	Factor	Level	Level	Line	Limit	Remark
	MHz	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB	
1	34.517	19.14	0.72	27.65	25.10	17.31	40.00	-22.69	QP
2	54.835	12.01	0.91	27.63	35.74	21.03	40.00	-18.97	QP
3	166.651	13.16	1.62	27.75	27.65	14.68	43.50	-28.82	QP
4	383.932	20.92	2.53	27.71	23.69	19.43	46.00	-26.57	QP
5	607.787	24.62	3.27	28.08	25.25	25.06	46.00	-20.94	QP
6 q	948.761	28.23	4.25	26.68	23.09	28.89	46.00	-17.11	QP



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7.4 Radiated Emissions (Above 1GHz)

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

Test Method: ANSI C63.10 (2013) Section 6.6

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.

7.4.1 E.U.T. Operation

Operating Environment:

Temperature: 23.5 °C

Humidity: 56.3 % RH

Atmospheric Pressure: 1020 mbar



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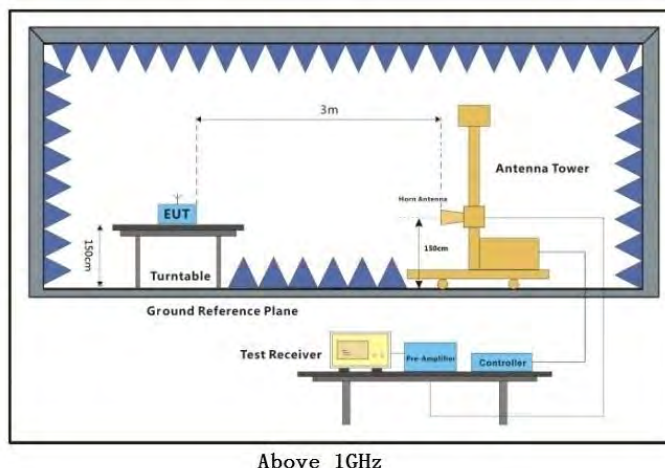
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7.4.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	01	TX mode (U-NII-1) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac 20/40/80, Only the data of worst case is recorded in the report.
Final test	02	TX mode (U-NII-2A) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac 20/40/80, Only the data of worst case is recorded in the report.
Final test	03	TX mode (U-NII-2C) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac 20/40/80, Only the data of worst case is recorded in the report.
Final test	04	TX mode (U-NII-3) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac 20/40/80, Only the data of worst case is recorded in the report.

7.4.3 Test Setup Diagram



7.4.4 Measurement Procedure and Data

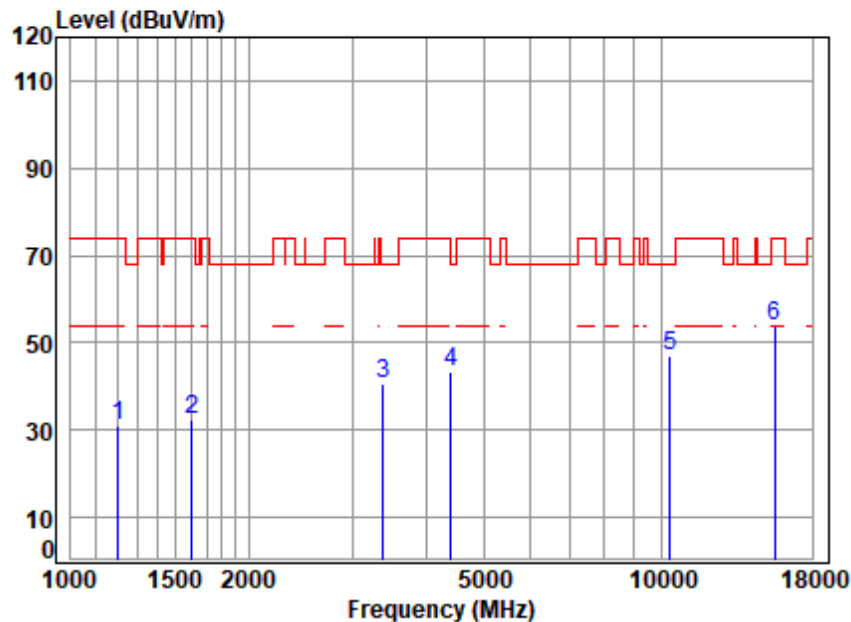
- a. For above 1GHz, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter fully-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which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

Remark:

1. Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor
2. Scan from 18GHz to 40GHz, the disturbance above 18GHz was very low. The points marked on above plots are the highest emissions could be found when testing, so only above points had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.
3. As shown in this section, for frequencies above 1GHz, the field strength limits are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation. For the emissions whose peak level is lower than the average limit, only the peak measurement is shown in the report.
4. The disturbance above 18GHz were very low and the harmonics were the highest point could be found when testing, so only the above harmonics had been displayed.
5. For devices with multiple operating modes, measurements on the middle channel is used to determine the worst-case mode(s). Only the worst case mode with the highest output power and the mode with the highest output power spectral density for each modulation family (e.g., OFDM and direct sequence spread spectrum) is recorded in the test report.
6. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is 3MHz for Peak detection (PK) and Average detection (AV) at frequency above 1GHz.
7. For fundamental and harmonic signal measurement, the resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is $\geq 1/T$ (Duty cycle $< 98\%$) or 10Hz (Duty cycle $\geq 98\%$) for Average detection (AV) at frequency above 1GHz.



Test Mode: 01; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low

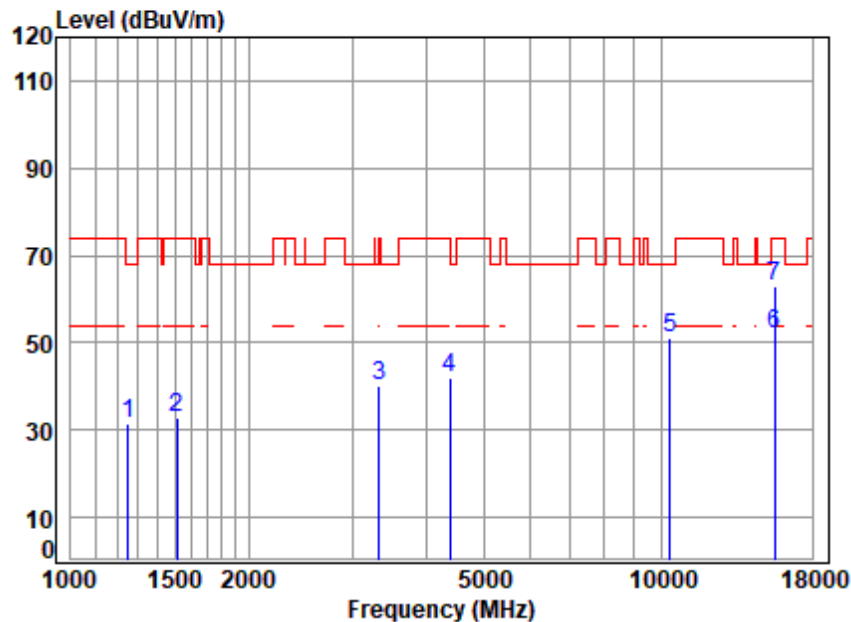


Site : chamber
Condition: 3m HORIZONTAL
Job No : 02444TL
Mode : 5180 TX RSE
Note : 5G WIFI 11A

	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	1203.199	3.69	24.44	54.68	57.56	31.01	74.00	-42.99	peak
2	1606.441	4.19	26.74	54.81	56.29	32.41	74.00	-41.59	peak
3	3386.297	6.42	32.32	54.71	56.48	40.51	68.20	-27.69	peak
4	4405.090	7.14	34.74	54.26	55.54	43.16	68.20	-25.04	peak
5	10360.000	11.14	37.10	53.13	51.66	46.77	68.20	-21.43	peak
6	p15540.000	13.79	41.10	52.16	51.05	53.78	74.00	-20.22	peak



Test Mode: 01; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low

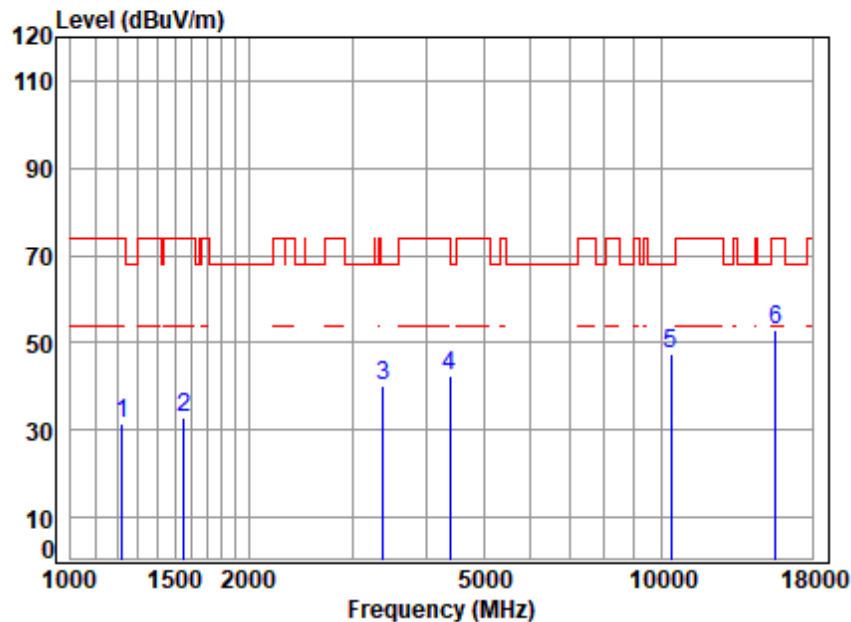


Site : chamber
Condition: 3m VERTICAL
Job No : 02444TL
Mode : 5180 TX RSE
Note : 5G WIFI 11A

	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	3.75	25.08	54.70	57.14	31.27	68.20	-36.93	peak
2	1511.833	4.06	26.85	54.78	56.80	32.93	74.00	-41.07	peak
3	3328.077	6.37	31.71	54.75	56.80	40.13	68.20	-28.07	peak
4	4379.699	7.11	34.64	54.26	54.65	42.14	74.00	-31.86	peak
5	10360.000	11.14	37.10	53.13	56.06	51.17	68.20	-17.03	peak
6	q15540.000	13.79	41.10	52.16	49.38	52.11	54.00	-1.89	Average
7	p15540.000	13.79	41.10	52.16	60.21	62.94	74.00	-11.06	peak



Test Mode: 01; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:middle

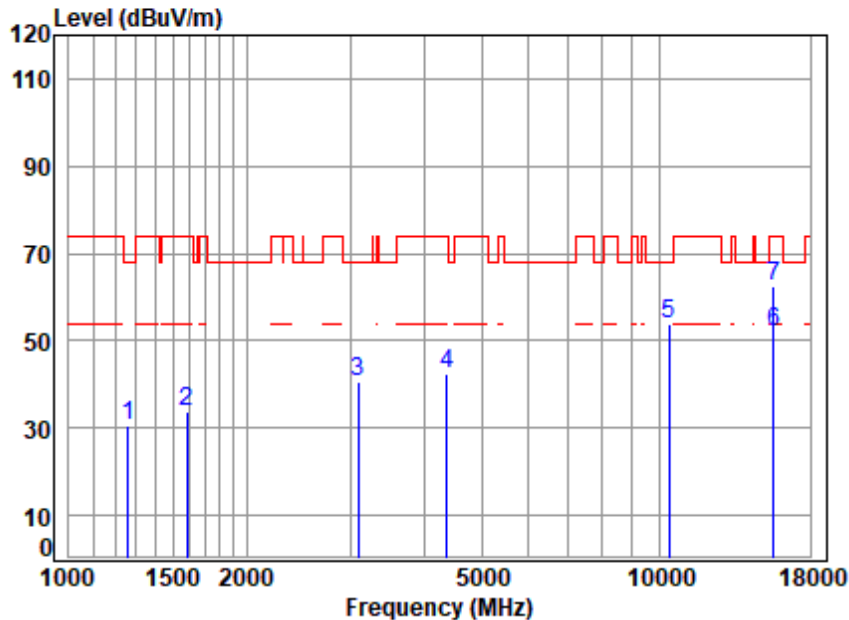


Site : chamber
Condition: 3m HORIZONTAL
Job No : 02444TL
Mode : 5200 TX RSE
Note : 5G WIFI 11A

	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	1224.247	3.71	24.74	54.69	57.66	31.42	74.00	-42.58	peak
2	1551.677	4.12	26.99	54.79	56.47	32.79	74.00	-41.21	peak
3	3386.297	6.42	32.32	54.71	56.33	40.36	68.20	-27.84	peak
4	4392.376	7.13	34.74	54.26	54.95	42.56	74.00	-31.44	peak
5	10400.000	11.20	37.10	53.12	52.23	47.41	68.20	-20.79	peak
6	15600.000	13.86	41.10	52.11	50.14	52.99	74.00	-21.01	peak



Test Mode: 01; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:middle

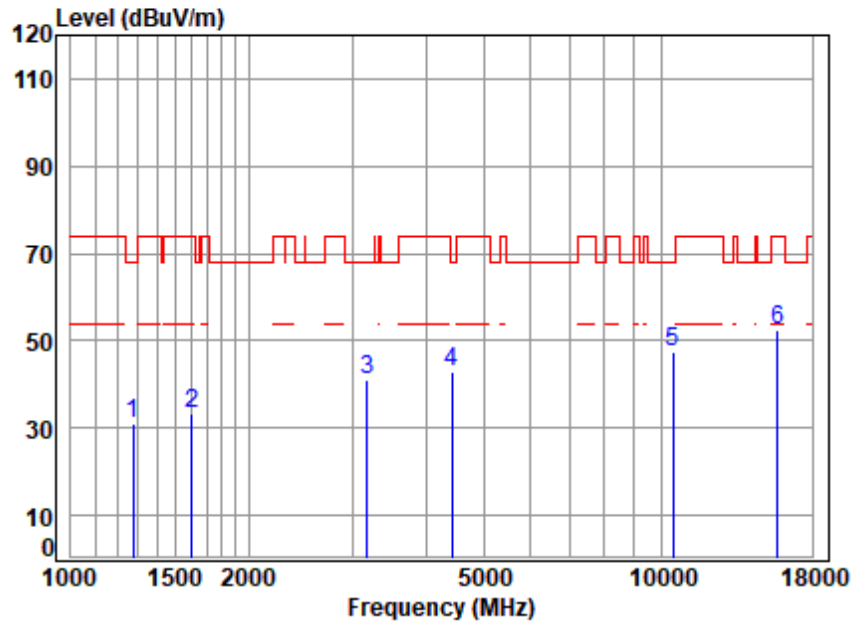


Site : chamber
Condition: 3m VERTICAL
Job No : 02444TL
Mode : 5200 TX RSE
Note : 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1260.149	3.76	25.04	54.70	56.50	30.60	68.20	-37.60	peak
2	1587.975	4.17	26.85	54.80	57.38	33.60	74.00	-40.40	peak
3	3096.075	6.16	31.49	54.92	57.81	40.54	68.20	-27.66	peak
4	4367.058	7.10	34.54	54.26	55.02	42.40	74.00	-31.60	peak
5	10400.000	11.20	37.10	53.12	58.57	53.75	68.20	-14.45	peak
6	q15600.000	13.86	41.10	52.11	49.29	52.14	54.00	-1.86	Average
7	p15600.000	13.86	41.10	52.11	59.46	62.31	74.00	-11.69	peak



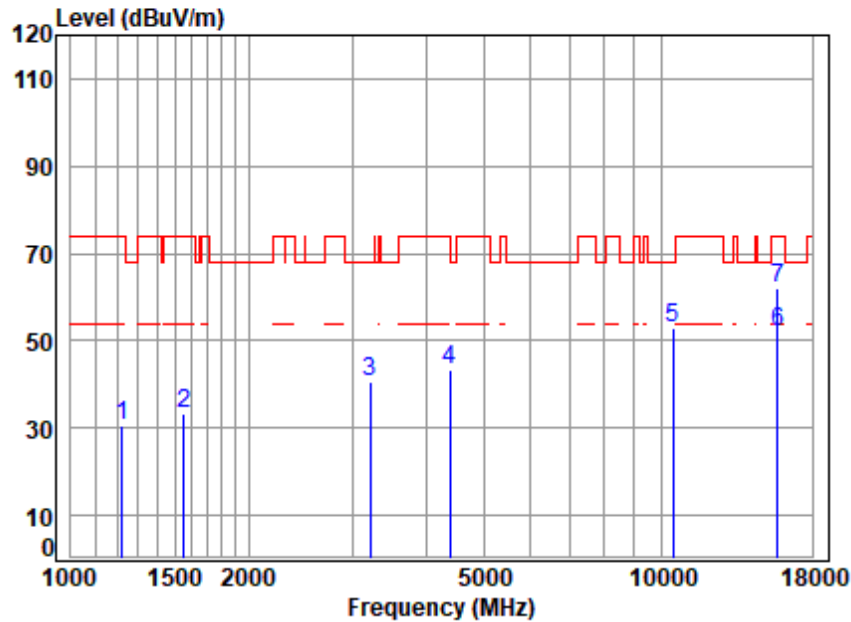
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Site : chamber
Condition: 3m HORIZONTAL
Job No : 02444TL
Mode : 5240 TX RSE
Note : 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1274.802	3.78	24.95	54.71	56.89	30.91	68.20	-37.29	peak
2	1601.804	4.19	26.78	54.80	56.92	33.09	74.00	-40.91	peak
3	3177.672	6.24	32.72	54.86	56.93	41.03	68.20	-27.17	peak
4	4417.841	7.16	34.59	54.26	55.41	42.90	68.20	-25.30	peak
5	10480.000	11.33	37.26	53.10	52.14	47.63	68.20	-20.57	peak
6	15720.000	14.01	41.22	52.02	49.47	52.68	74.00	-21.32	peak

Test Mode: 01; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:High

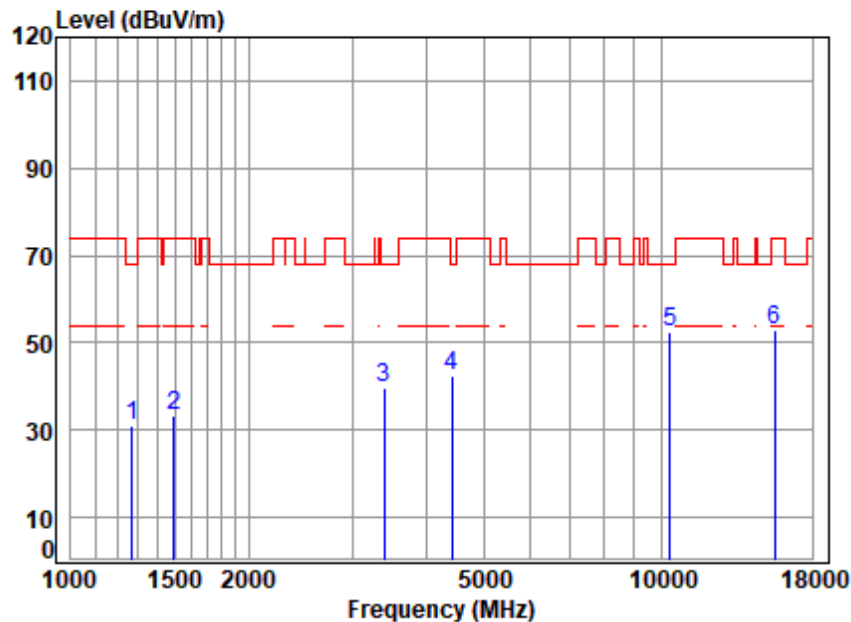


Site : chamber
Condition: 3m VERTICAL
Job No : 02444TL
Mode : 5240 TX RSE
Note : 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1224.247	3.71	24.74	54.69	57.04	30.80	74.00	-43.20	peak
2	1556.169	4.12	26.98	54.79	56.96	33.27	74.00	-40.73	peak
3	3214.623	6.27	32.67	54.83	56.28	40.39	68.20	-27.81	peak
4	4379.699	7.11	34.64	54.26	55.64	43.13	74.00	-30.87	peak
5	10480.000	11.33	37.26	53.10	57.57	53.06	68.20	-15.14	peak
6	q15720.000	14.01	41.22	52.02	48.85	52.06	54.00	-1.94	Average
7	p15720.000	14.01	41.22	52.02	58.97	62.18	74.00	-11.82	peak



Test Mode: 01; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:20MHz; Channel:Low

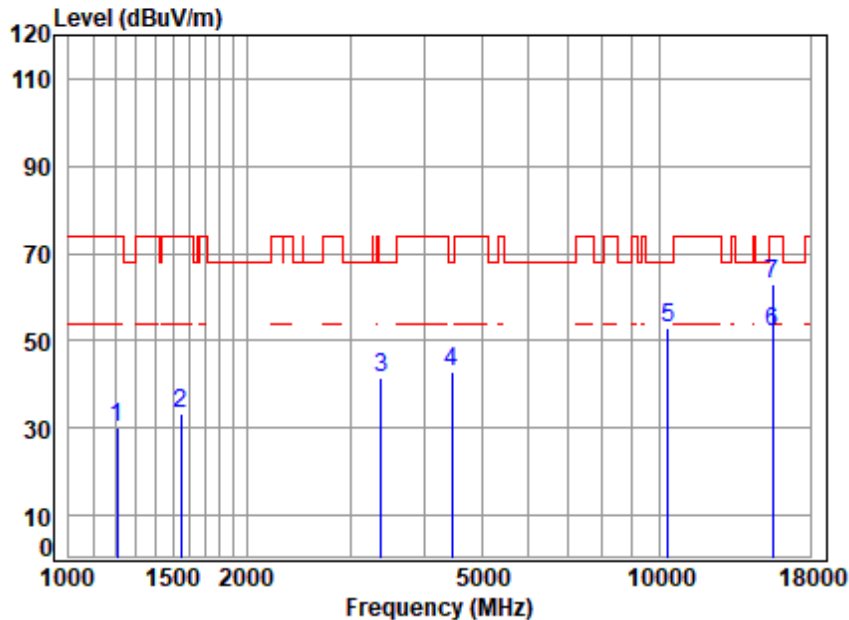


Site : chamber
Condition: 3m HORIZONTAL
Job No : 02444TL
Mode : 5180 TX RSE
Note : 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1271.123	3.77	24.97	54.70	57.20	31.24	68.20	-36.96	peak
2	1494.455	4.03	26.64	54.77	57.22	33.12	74.00	-40.88	peak
3	3396.098	6.43	32.38	54.70	55.56	39.67	68.20	-28.53	peak
4	4417.841	7.16	34.59	54.26	55.12	42.61	68.20	-25.59	peak
5	10360.000	11.14	37.10	53.13	57.25	52.36	68.20	-15.84	peak
6	15540.000	13.79	41.10	52.16	50.00	52.73	74.00	-21.27	peak



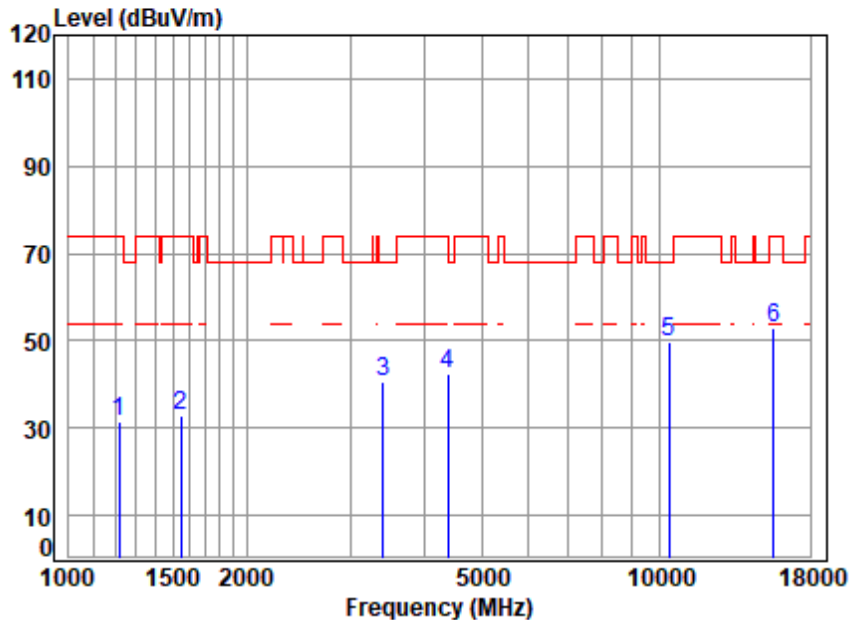
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Site : chamber
Condition: 3m VERTICAL
Job No : 02444TL
Mode : 5180 TX RSE
Note : 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1206.682	3.69	24.49	54.68	56.67	30.17	74.00	-43.83	peak
2	1547.199	4.11	26.99	54.79	56.91	33.22	74.00	-40.78	peak
3	3386.297	6.42	32.32	54.71	57.65	41.68	68.20	-26.52	peak
4	4456.315	7.20	34.12	54.25	56.05	43.12	68.20	-25.08	peak
5	10360.000	11.14	37.10	53.13	57.61	52.72	68.20	-15.48	peak
6	q15540.000	13.79	41.10	52.16	49.38	52.11	54.00	-1.89	Average
7	p15540.000	13.79	41.10	52.16	60.42	63.15	74.00	-10.85	peak

Test Mode: 01; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:20MHz; Channel:middle

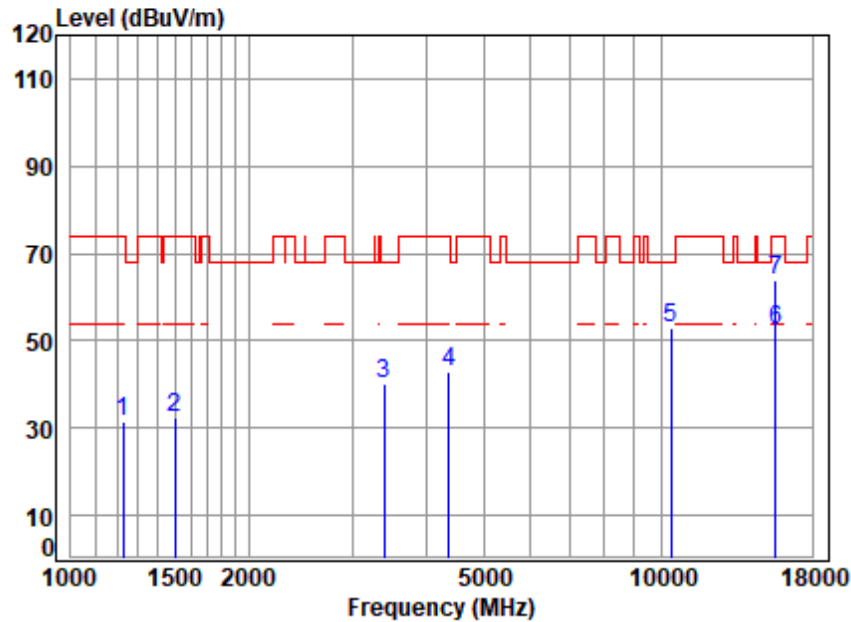


Site : chamber
Condition: 3m HORIZONTAL
Job No : 02444TL
Mode : 5200 TX RSE
Note : 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1217.190	3.71	24.64	54.69	57.98	31.64	74.00	-42.36	peak
2	1547.199	4.11	26.99	54.79	56.47	32.78	74.00	-41.22	peak
3	3405.929	6.44	32.33	54.69	56.66	40.74	68.20	-27.46	peak
4	4379.699	7.11	34.64	54.26	54.92	42.41	74.00	-31.59	peak
5	10400.000	11.20	37.10	53.12	54.37	49.55	68.20	-18.65	peak
6	15600.000	13.86	41.10	52.11	50.26	53.11	74.00	-20.89	peak



Test Mode: 01; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:middle

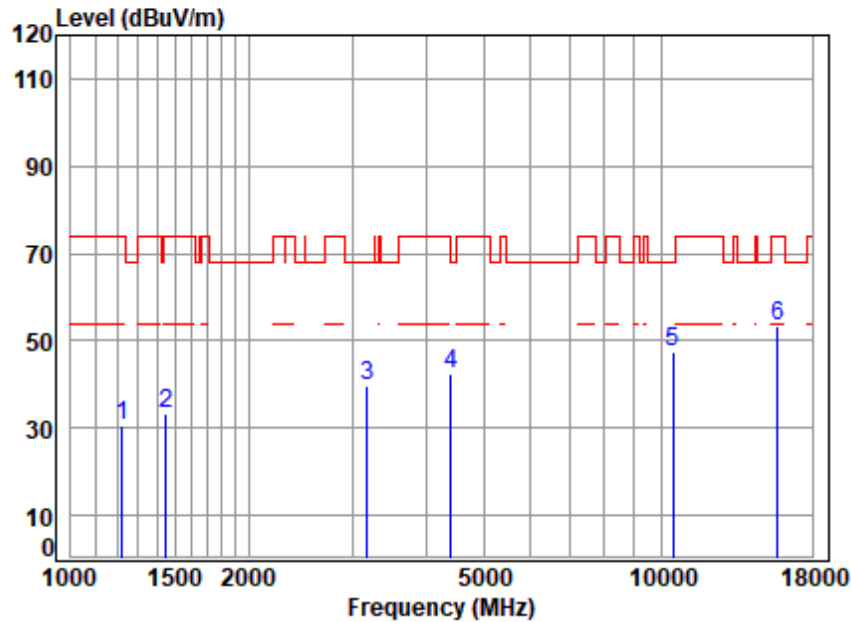


Site : chamber
Condition: 3m VERTICAL
Job No : 02444TL
Mode : 5200 TX RSE
Note : 5G WIFI 11AC20

	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	3.72	24.79	54.69	57.77	31.59	74.00	-42.41	peak
2	1503.119	4.04	26.81	54.78	56.45	32.52	74.00	-41.48	peak
3	3396.098	6.43	32.38	54.70	56.15	40.26	68.20	-27.94	peak
4	4367.058	7.10	34.54	54.26	55.38	42.76	74.00	-31.24	peak
5	10400.000	11.20	37.10	53.12	57.95	53.13	68.20	-15.07	peak
6	q15600.000	13.86	41.10	52.11	49.52	52.37	54.00	-1.63	Average
7	p15600.000	13.86	41.10	52.11	61.13	63.98	74.00	-10.02	peak



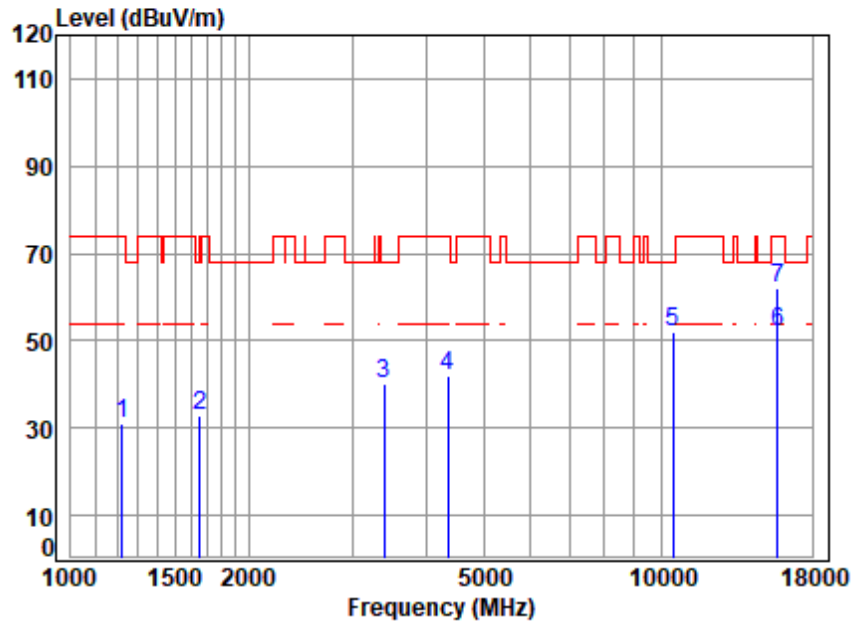
Test Mode: 01; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:20MHz; Channel:High



Site : chamber
Condition: 3m HORIZONTAL
Job No : 02444TL
Mode : 5240 TX RSE
Note : 5G WIFI 11AC20

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1220.714	3.71	24.69	54.69	56.81	30.52	74.00	-43.48	peak
2	1451.878	3.99	25.45	54.76	58.51	33.19	74.00	-40.81	peak
3	3177.672	6.24	32.72	54.86	55.48	39.58	68.20	-28.62	peak
4	4405.090	7.14	34.74	54.26	54.95	42.57	68.20	-25.63	peak
5	10480.000	11.33	37.26	53.10	51.94	47.43	68.20	-20.77	peak
6	p15720.000	14.01	41.22	52.02	50.38	53.59	74.00	-20.41	peak

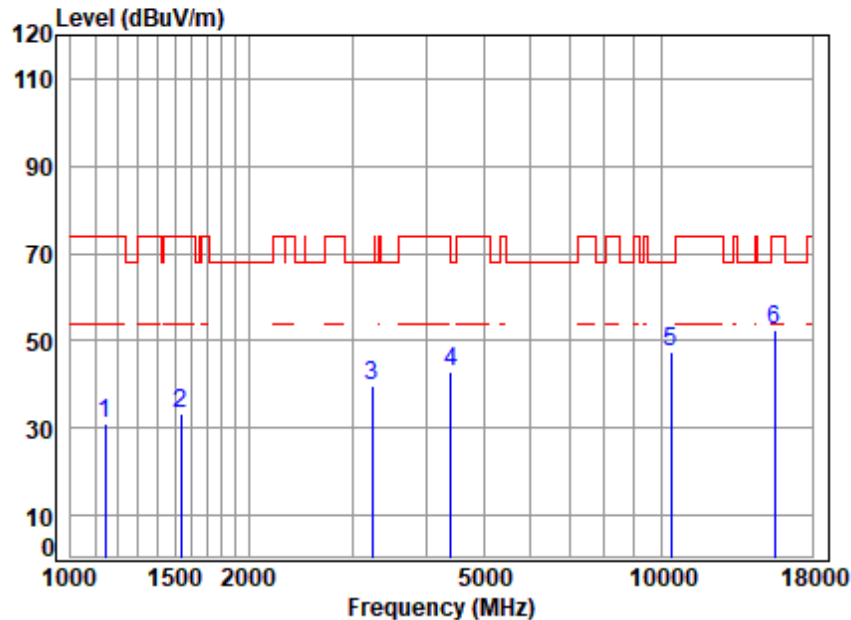
Test Mode: 01; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:High



Site : chamber
Condition: 3m VERTICAL
Job No : 02444TL
Mode : 5240 TX RSE
Note : 5G WIFI 11AC20

	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	1224.247	3.71	24.74	54.69	57.10	30.86	74.00	-43.14	peak
2	1653.550	4.26	26.29	54.82	57.35	33.08	68.20	-35.12	peak
3	3396.098	6.43	32.38	54.70	56.00	40.11	68.20	-28.09	peak
4	4354.454	7.08	34.44	54.26	54.90	42.16	74.00	-31.84	peak
5	10480.000	11.33	37.26	53.10	56.32	51.81	68.20	-16.39	peak
6	q15720.000	14.01	41.22	52.02	48.66	51.87	54.00	-2.13	Average
7	p15720.000	14.01	41.22	52.02	58.92	62.13	74.00	-11.87	peak

Test Mode: 01; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:40MHz; Channel:Low

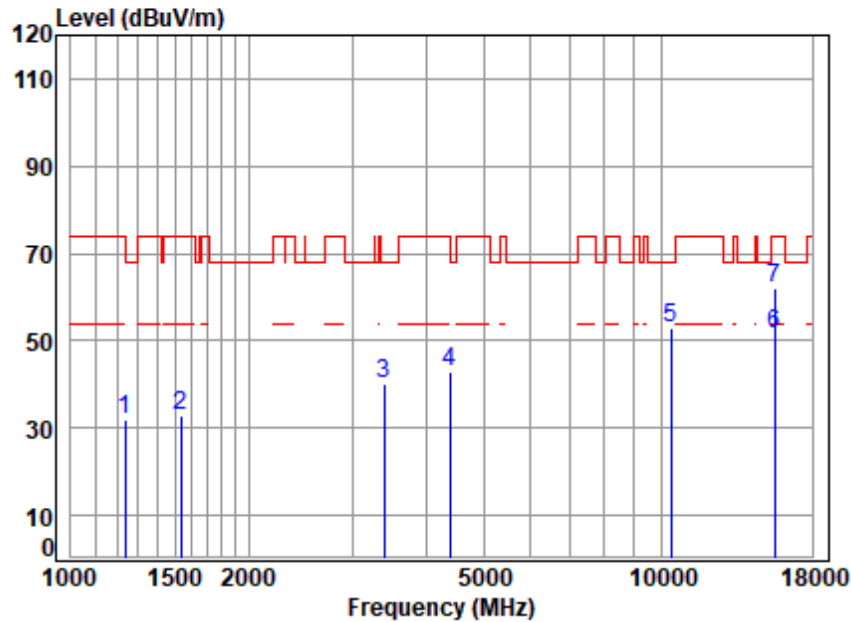


Site : chamber
Condition: 3m HORIZONTAL
Job No : 02444TL
Mode : 5190 TX RSE
Note : 5G WIFI 11AC40

	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	1142.201	3.60	23.87	54.66	58.13	30.94	74.00	-43.06	peak
2	1533.841	4.09	26.94	54.79	57.21	33.45	74.00	-40.55	peak
3	3233.260	6.29	32.37	54.82	55.90	39.74	68.20	-28.46	peak
4	4405.090	7.14	34.74	54.26	55.26	42.88	68.20	-25.32	peak
5	10380.000	11.17	37.10	53.12	52.42	47.57	68.20	-20.63	peak
6	15570.000	13.83	41.10	52.14	49.62	52.41	74.00	-21.59	peak



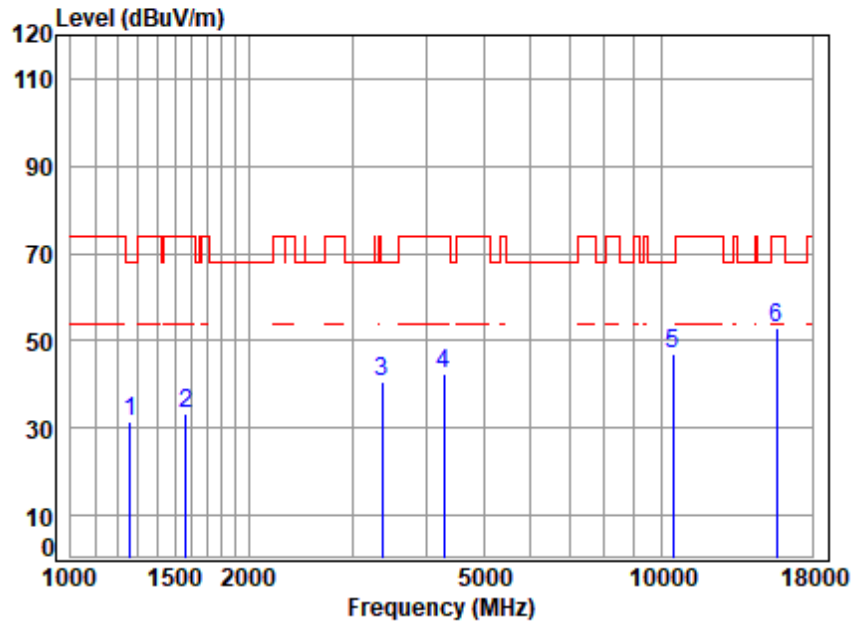
Test Mode: 01; Polarity: Vertical; Modulation:802.11ac; Bandwidth:40MHz; Channel:Low



Site : chamber
Condition: 3m VERTICAL
Job No : 02444TL
Mode : 5190 TX RSE
Note : 5G WIFI 11AC40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1238.483	3.73	24.94	54.69	57.86	31.84	74.00	-42.16	peak
2	1538.281	4.10	26.95	54.79	56.61	32.87	74.00	-41.13	peak
3	3396.098	6.43	32.38	54.70	55.86	39.97	68.20	-28.23	peak
4	4379.699	7.11	34.64	54.26	55.43	42.92	74.00	-31.08	peak
5	10380.000	11.17	37.10	53.12	57.79	52.94	68.20	-15.26	peak
6	q15570.000	13.83	41.10	52.14	48.66	51.45	54.00	-2.55	Average
7	p15570.000	13.83	41.10	52.14	59.48	62.27	74.00	-11.73	peak

Test Mode: 01; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:40MHz; Channel:High

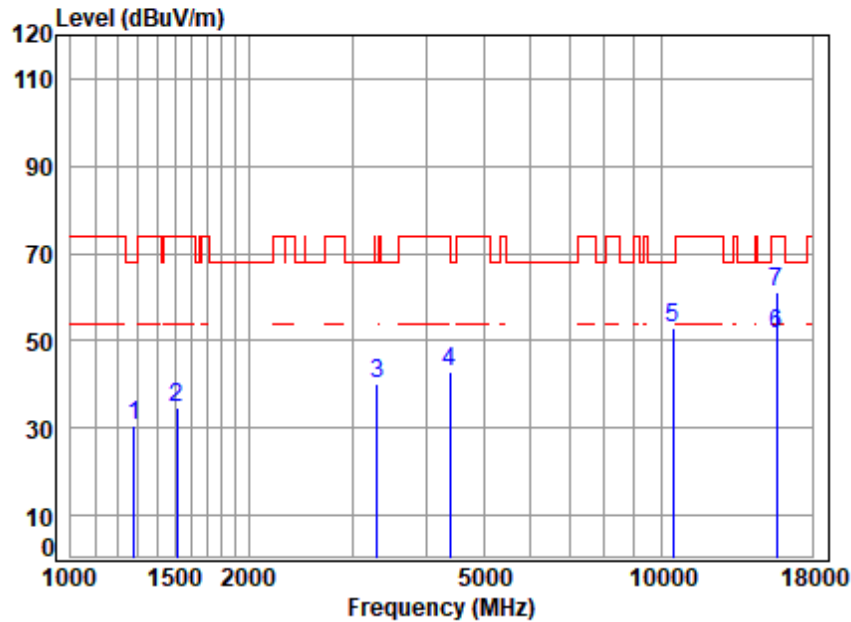


Site : chamber
Condition: 3m HORIZONTAL
Job No : 02444TL
Mode : 5230 TX RSE
Note : 5G WIFI 11AC40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1260.149	3.76	25.04	54.70	57.27	31.37	68.20	-36.83	peak
2	1565.191	4.14	26.94	54.79	56.94	33.23	74.00	-40.77	peak
3	3366.778	6.41	32.20	54.72	56.50	40.39	68.20	-27.81	peak
4	4279.589	6.99	33.92	54.27	55.65	42.29	74.00	-31.71	peak
5	10460.000	11.30	37.22	53.11	51.43	46.84	68.20	-21.36	peak
6	p15690.000	13.97	41.19	52.04	49.90	53.02	74.00	-20.98	peak



Test Mode: 01; Polarity: Vertical; Modulation:802.11ac; Bandwidth:40MHz; Channel:High

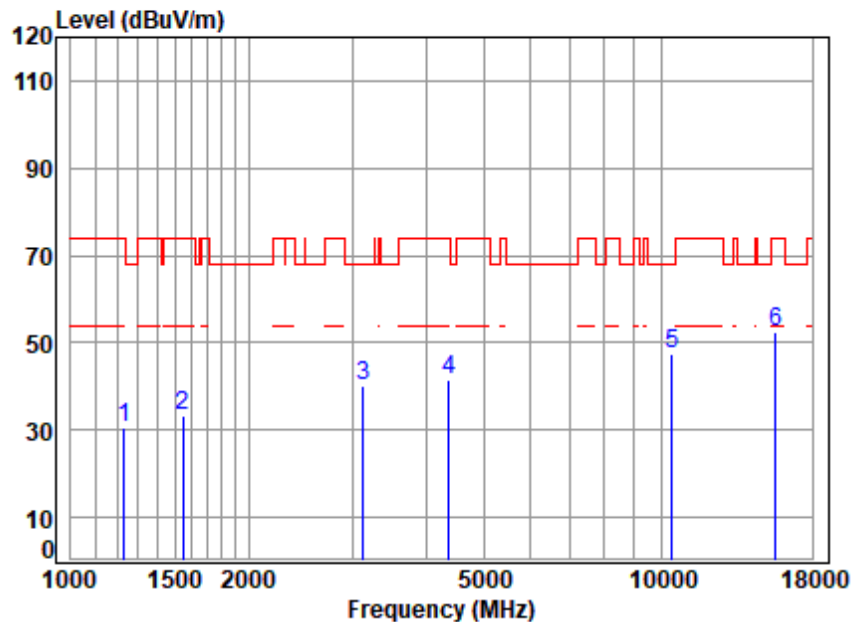


Site : chamber
Condition: 3m VERTICAL
Job No : 02444TL
Mode : 5230 TX RSE
Note : 5G WIFI 11AC40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1282.193	3.79	24.91	54.71	56.74	30.73	68.20	-37.47	peak
2	1511.833	4.06	26.85	54.78	58.51	34.64	74.00	-39.36	peak
3	3299.344	6.35	31.21	54.77	57.54	40.33	68.20	-27.87	peak
4	4392.376	7.13	34.74	54.26	55.48	43.09	74.00	-30.91	peak
5	10460.000	11.30	37.22	53.11	57.65	53.06	68.20	-15.14	peak
6	q15690.000	13.97	41.19	52.04	48.44	51.56	54.00	-2.44	Average
7	p15690.000	13.97	41.19	52.04	58.13	61.25	74.00	-12.75	peak



Test Mode: 01; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:80MHz; Channel:middle

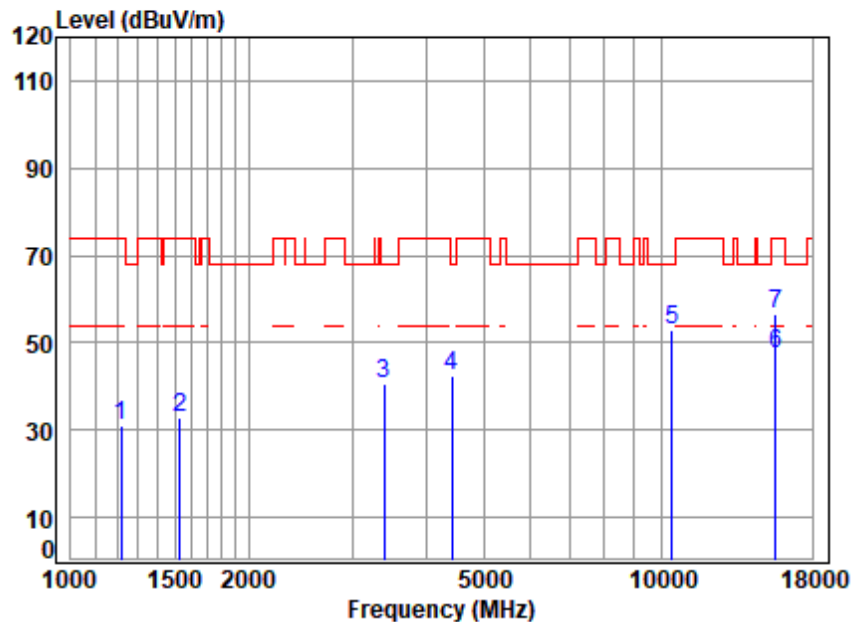


Site : chamber
Condition: 3m HORIZONTAL
Job No : 02444TL
Mode : 5210 TX RSE
Note : 5G WIFI 11AC80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1231.345	3.72	24.84	54.69	56.82	30.69	74.00	-43.31	peak
2	1547.199	4.11	26.99	54.79	56.90	33.21	74.00	-40.79	peak
3	3123.039	6.19	32.01	54.90	56.91	40.21	68.20	-27.99	peak
4	4367.058	7.10	34.54	54.26	54.21	41.59	74.00	-32.41	peak
5	10420.000	11.23	37.14	53.11	52.07	47.33	68.20	-20.87	peak
6	15630.000	13.90	41.13	52.09	49.69	52.63	74.00	-21.37	peak



Test Mode: 01; Polarity: Vertical; Modulation:802.11ac; Bandwidth:80MHz; Channel:middle

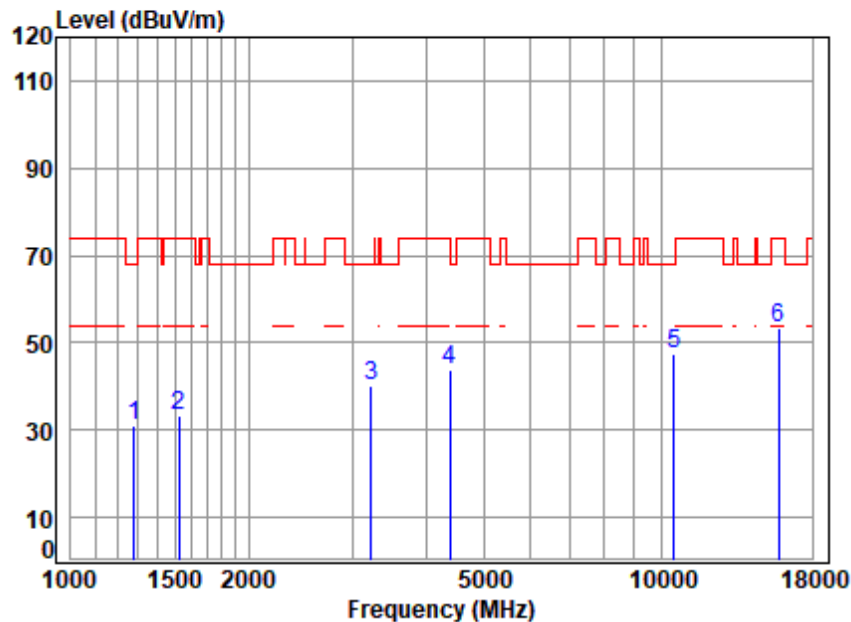


Site : chamber
Condition: 3m VERTICAL
Job No : 02444TL
Mode : 5210 TX RSE
Note : 5G WIFI 11AC80

	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	3.71	24.64	54.69	57.34	31.00	74.00	-43.00	peak
2	1529.414	4.08	26.92	54.78	56.61	32.83	74.00	-41.17	peak
3	3396.098	6.43	32.38	54.70	56.60	40.71	68.20	-27.49	peak
4	4417.841	7.16	34.59	54.26	55.16	42.65	68.20	-25.55	peak
5	p10420.000	11.23	37.14	53.11	57.75	53.01	68.20	-15.19	peak
6	q15630.000	13.90	41.13	52.09	44.39	47.33	54.00	-6.67	Average
7	15630.000	13.90	41.13	52.09	53.72	56.66	74.00	-17.34	peak



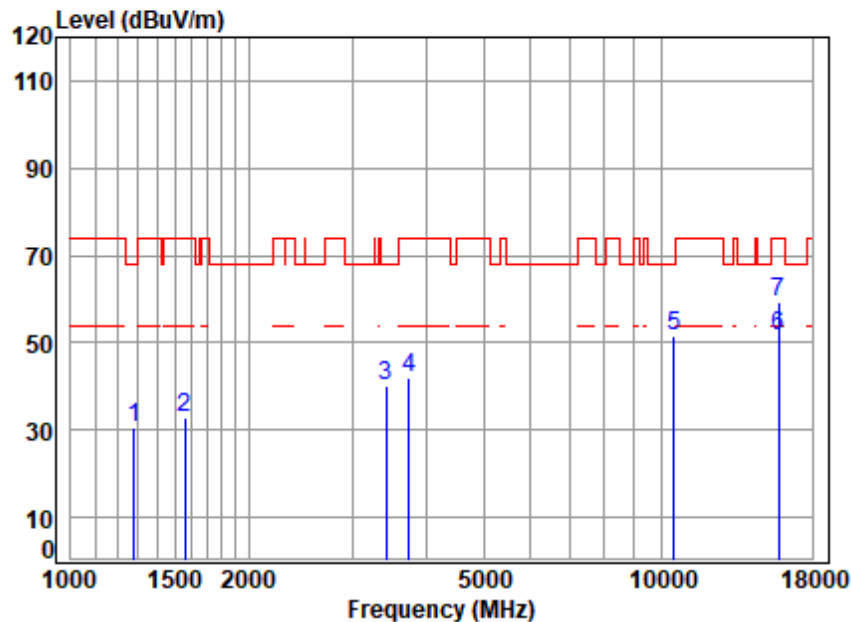
Test Mode: 02; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 02444TL
Mode : 5260 TX RSE
Note : 5G WIFI 11A

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1278.492	3.78	24.93	54.71	57.21	31.21	68.20	-36.99	peak
2	1525.000	4.08	26.90	54.78	57.24	33.44	74.00	-40.56	peak
3	3223.928	6.28	32.52	54.82	56.29	40.27	68.20	-27.93	peak
4	4392.376	7.13	34.74	54.26	56.04	43.65	74.00	-30.35	peak
5	10520.000	11.37	37.30	53.09	51.79	47.37	68.20	-20.83	peak
6	p15780.000	14.08	41.28	51.97	49.98	53.37	74.00	-20.63	peak

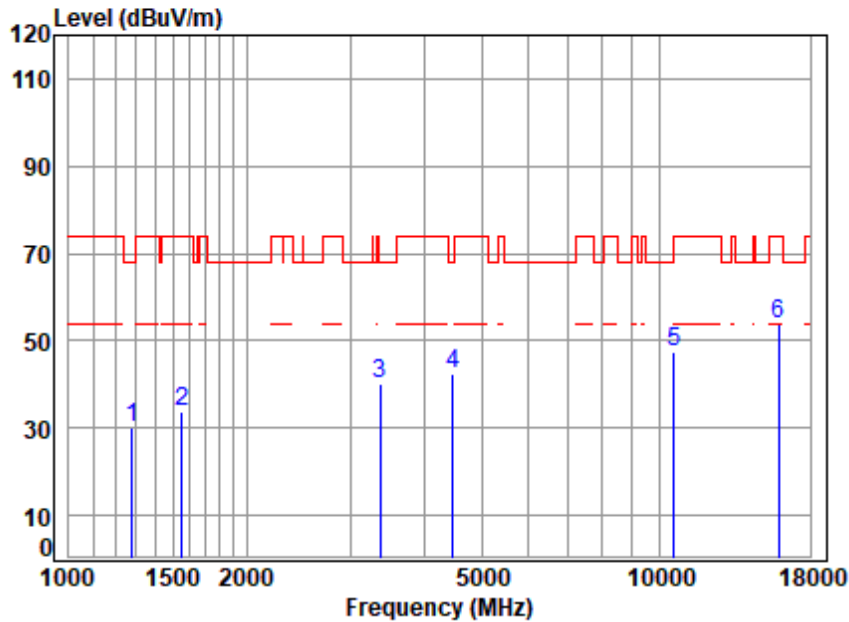
Test Mode: 02; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Site : chamber
Condition: 3m VERTICAL
Job No : 02444TL
Mode : 5260 TX RSE
Note : 5G WIFI 11A

	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	1278.492	3.78	24.93	54.71	56.45	30.45	68.20	-37.75	peak
2	1560.673	4.13	26.96	54.79	56.44	32.74	74.00	-41.26	peak
3	3415.787	6.45	32.21	54.68	56.11	40.09	68.20	-28.11	peak
4	3746.792	6.59	32.91	54.46	56.78	41.82	74.00	-32.18	peak
5	10520.000	11.37	37.30	53.09	56.08	51.66	68.20	-16.54	peak
6	q15780.000	14.08	41.28	51.97	47.98	51.37	54.00	-2.63	Average
7	p15780.000	14.08	41.28	51.97	56.13	59.52	74.00	-14.48	peak

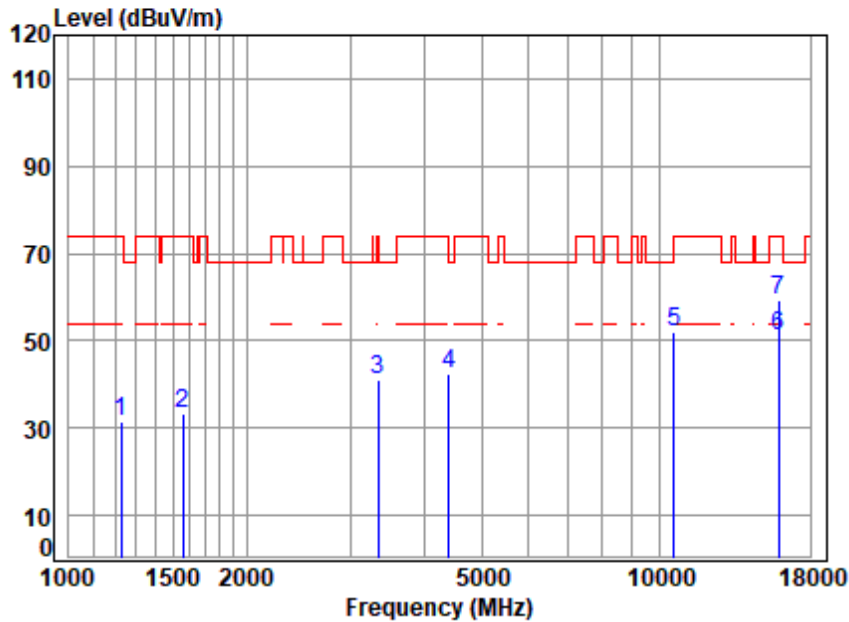
Test Mode: 02; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:middle



Site : chamber
Condition: 3m HORIZONTAL
Job No : 02444TL
Mode : 5300 TX RSE
Note : 5G WIFI 11A

	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	1282.193	3.79	24.91	54.71	56.26	30.25	68.20	-37.95	peak
2	1551.677	4.12	26.99	54.79	57.42	33.74	74.00	-40.26	peak
3	3366.778	6.41	32.20	54.72	56.25	40.14	68.20	-28.06	peak
4	4469.214	7.22	33.97	54.25	55.30	42.24	68.20	-25.96	peak
5	10600.000	11.43	37.30	53.08	51.64	47.29	68.20	-20.91	peak
6	15900.000	14.23	41.40	51.88	50.20	53.95	74.00	-20.05	peak

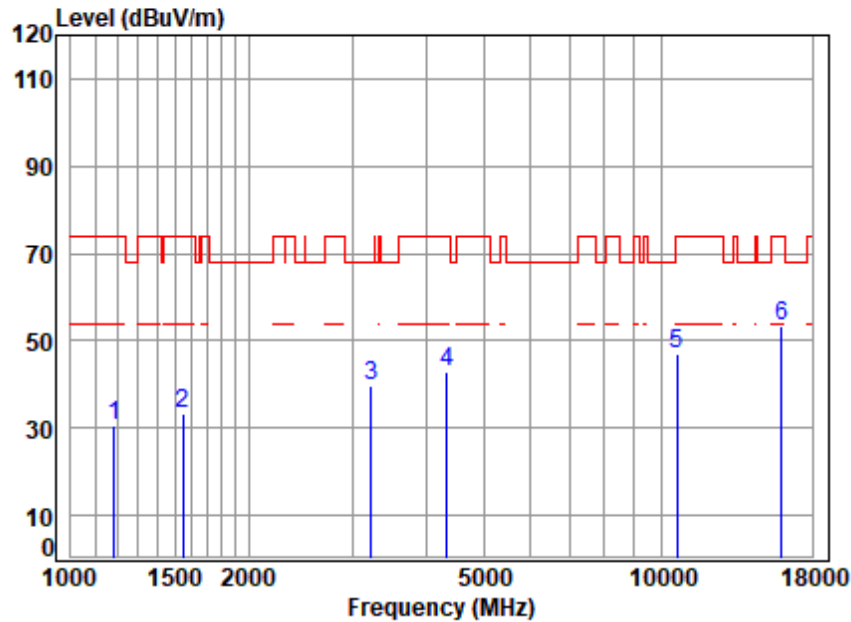
Test Mode: 02; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:middle



Site : chamber
Condition: 3m VERTICAL
Job No : 02444TL
Mode : 5300 TX RSE
Note : 5G WIFI 11A

	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	3.72	24.79	54.69	57.81	31.63	74.00	-42.37	peak
2	1560.673	4.13	26.96	54.79	57.08	33.38	74.00	-40.62	peak
3	3347.371	6.39	32.05	54.73	57.14	40.85	74.00	-33.15	peak
4	4405.090	7.14	34.74	54.26	54.80	42.42	68.20	-25.78	peak
5	10600.000	11.43	37.30	53.08	56.42	52.07	68.20	-16.13	peak
6	q15900.000	14.23	41.40	51.88	47.37	51.12	54.00	-2.88	Average
7	p15900.000	14.23	41.40	51.88	55.71	59.46	74.00	-14.54	peak

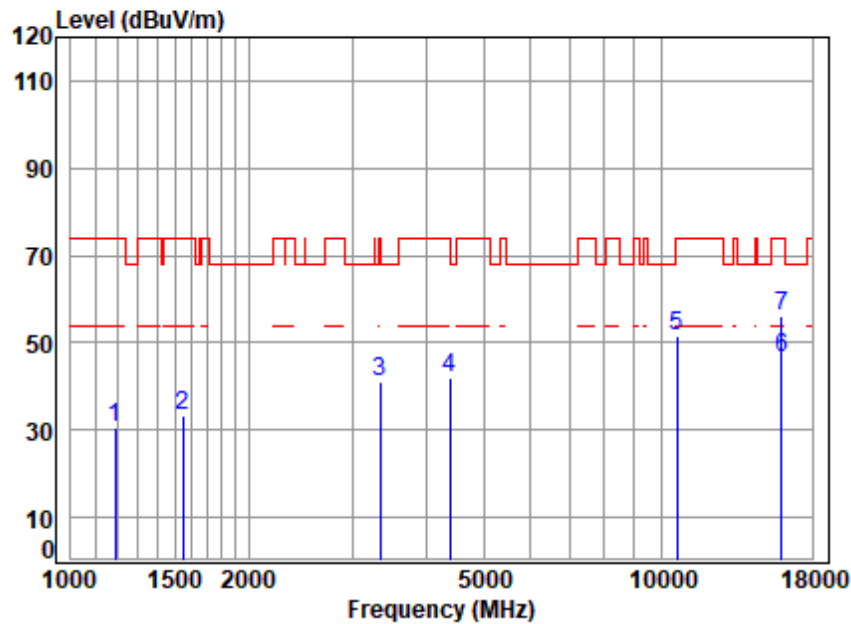
Test Mode: 02; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Site : chamber
Condition: 3m HORIZONTAL
Job No : 02444TL
Mode : 5320 TX RSE
Note : 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1185.936	3.66	24.26	54.67	57.35	30.60	74.00	-43.40	peak
2	1547.199	4.11	26.99	54.79	56.81	33.12	74.00	-40.88	peak
3	3223.928	6.28	32.52	54.82	55.65	39.63	68.20	-28.57	peak
4	4329.354	7.05	34.23	54.26	55.92	42.94	74.00	-31.06	peak
5	10640.000	11.45	37.22	53.07	51.58	47.18	74.00	-26.82	peak
6	p15960.000	14.30	41.52	51.83	49.59	53.58	74.00	-20.42	peak

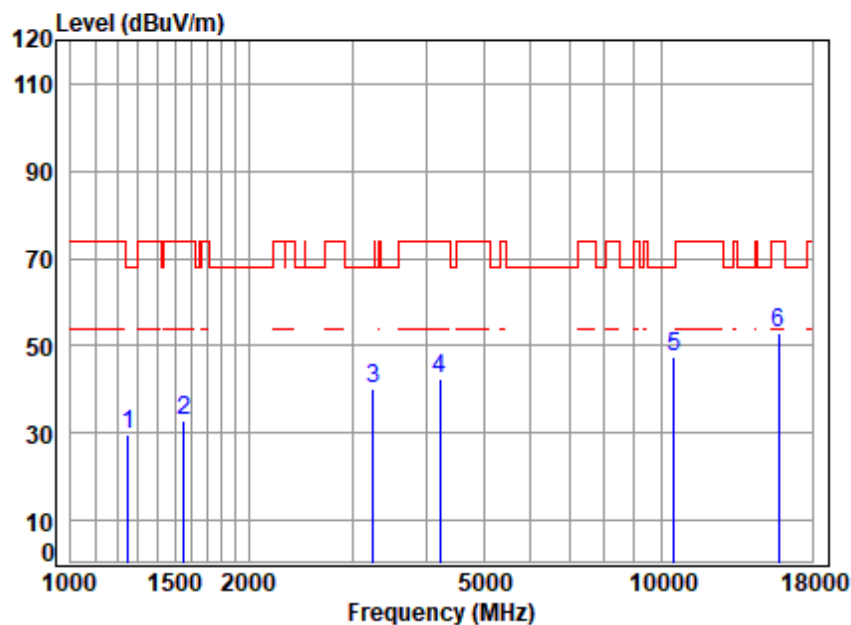
Test Mode: 02; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Site : chamber
Condition: 3m VERTICAL
Job No : 02444TL
Mode : 5320 TX RSE
Note : 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1189.368	3.67	24.29	54.68	57.41	30.69	74.00	-43.31	peak
2	1547.199	4.11	26.99	54.79	57.14	33.45	74.00	-40.55	peak
3	3347.371	6.39	32.05	54.73	57.31	41.02	74.00	-32.98	peak
4	4379.699	7.11	34.64	54.26	54.49	41.98	74.00	-32.02	peak
5	10640.000	11.45	37.22	53.07	55.92	51.52	74.00	-22.48	peak
6	q15960.000	14.30	41.52	51.83	42.55	46.54	54.00	-7.46	Average
7	p15960.000	14.30	41.52	51.83	51.96	55.95	74.00	-18.05	peak

Test Mode: 02; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:20MHz; Channel:Low

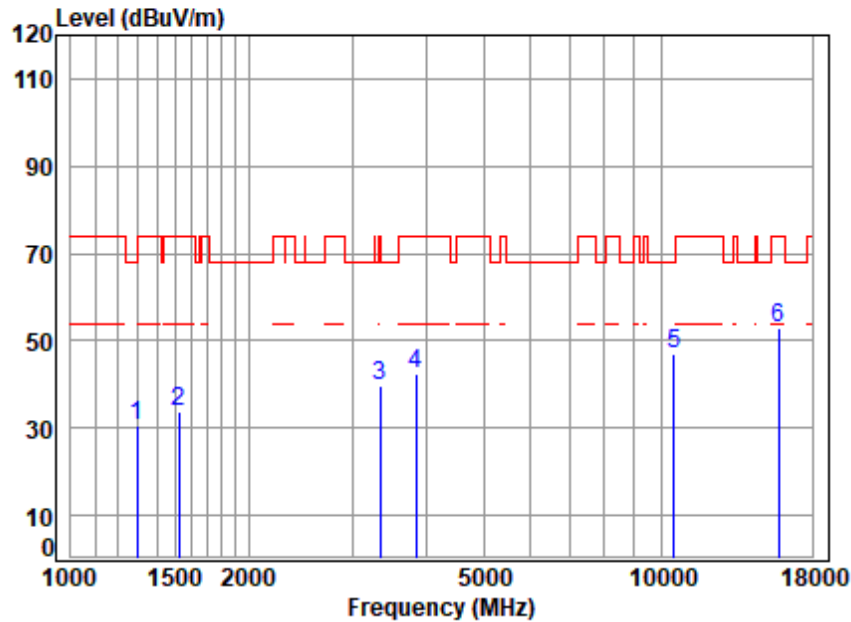


Site : chamber
Condition: 3m HORIZONTAL
Job No : 02444TL
Mode : 5260 TX RSE
Note : 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1249.269	3.75	25.09	54.70	55.73	29.87	68.20	-38.33	peak
2	1551.677	4.12	26.99	54.79	56.70	33.02	74.00	-40.98	peak
3	3252.005	6.31	32.06	54.80	56.74	40.31	68.20	-27.89	peak
4	4218.186	6.92	33.80	54.28	56.09	42.53	74.00	-31.47	peak
5	10520.000	11.37	37.30	53.09	51.90	47.48	68.20	-20.72	peak
6	15780.000	14.08	41.28	51.97	49.59	52.98	74.00	-21.02	peak



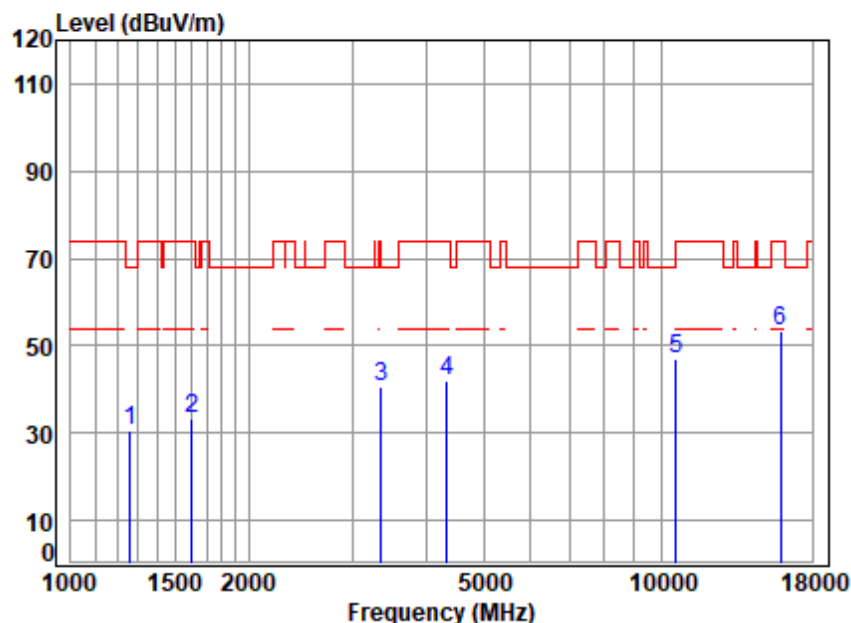
Test Mode: 02; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:Low



Site : chamber
Condition: 3m VERTICAL
Job No : 02444TL
Mode : 5260 TX RSE
Note : 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1297.103	3.81	24.82	54.71	56.72	30.64	68.20	-37.56	peak
2	1525.000	4.08	26.90	54.78	57.44	33.64	74.00	-40.36	peak
3	3347.371	6.39	32.05	54.73	56.01	39.72	74.00	-34.28	peak
4	3845.537	6.61	33.04	54.40	57.26	42.51	74.00	-31.49	peak
5	10520.000	11.37	37.30	53.09	51.60	47.18	68.20	-21.02	peak
6	p15780.000	14.08	41.28	51.97	49.76	53.15	74.00	-20.85	peak

Test Mode: 02; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:20MHz; Channel:middle

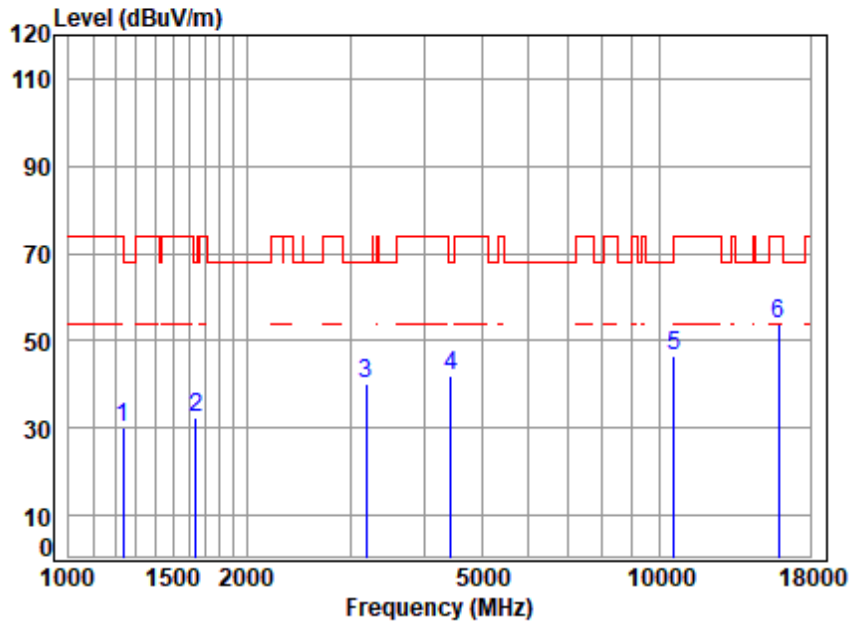


Site : chamber
Condition: 3m HORIZONTAL
Job No : 02444TL
Mode : 5300 TX RSE
Note : 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1260.149	3.76	25.04	54.70	56.30	30.40	68.20	-37.80	peak
2	1606.441	4.19	26.74	54.81	57.12	33.24	74.00	-40.76	peak
3	3357.061	6.40	32.14	54.73	56.97	40.78	74.00	-33.22	peak
4	4341.886	7.07	34.34	54.26	55.00	42.15	74.00	-31.85	peak
5	10600.000	11.43	37.30	53.08	51.26	46.91	68.20	-21.29	peak
6	p15900.000	14.23	41.40	51.88	49.43	53.18	74.00	-20.82	peak



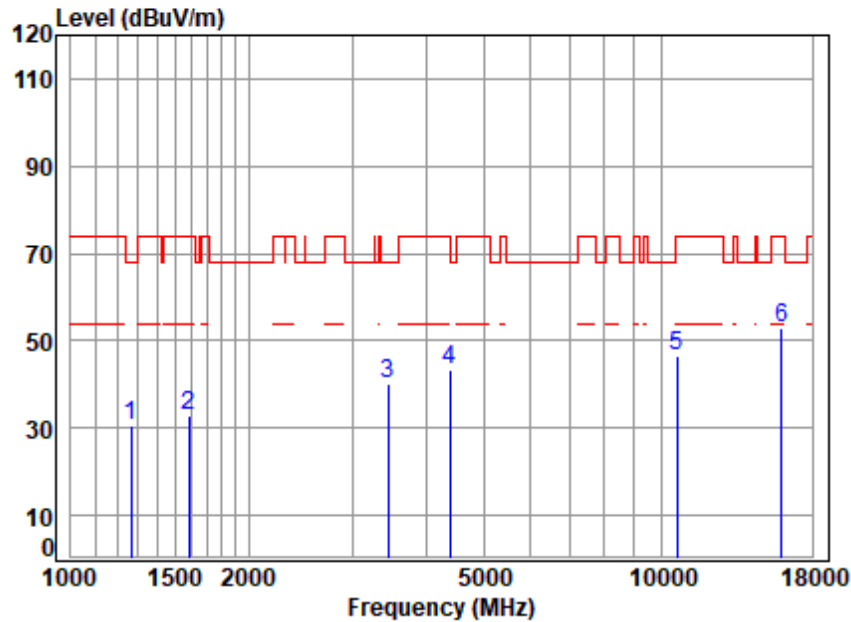
Test Mode: 02; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:middle



Site : chamber
Condition: 3m VERTICAL
Job No : 02444TL
Mode : 5300 TX RSE
Note : 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1234.909	3.73	24.89	54.69	56.36	30.29	74.00	-43.71	peak
2	1639.274	4.24	26.41	54.81	56.75	32.59	68.20	-35.61	peak
3	3186.869	6.25	32.79	54.85	56.15	40.34	68.20	-27.86	peak
4	4430.628	7.17	34.43	54.25	54.80	42.15	68.20	-26.05	peak
5	10600.000	11.43	37.30	53.08	51.03	46.68	68.20	-21.52	peak
6	p15900.000	14.23	41.40	51.88	49.99	53.74	74.00	-20.26	peak

Test Mode: 02; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:20MHz; Channel:High

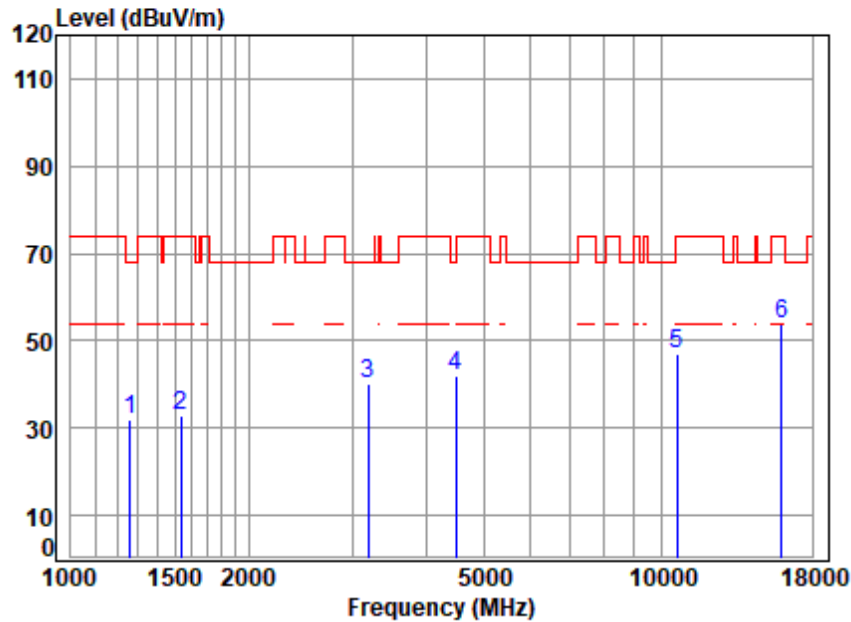


Site : chamber
Condition: 3m HORIZONTAL
Job No : 02444TL
Mode : 5320 TX RSE
Note : 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1263.796	3.77	25.02	54.70	56.44	30.53	68.20	-37.67	peak
2	1587.975	4.17	26.85	54.80	56.84	33.06	74.00	-40.94	peak
3	3445.535	6.47	31.85	54.66	56.33	39.99	68.20	-28.21	peak
4	4392.376	7.13	34.74	54.26	55.53	43.14	74.00	-30.86	peak
5	10640.000	11.45	37.22	53.07	51.09	46.69	74.00	-27.31	peak
6	p15960.000	14.30	41.52	51.83	49.05	53.04	74.00	-20.96	peak



Test Mode: 02; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:High

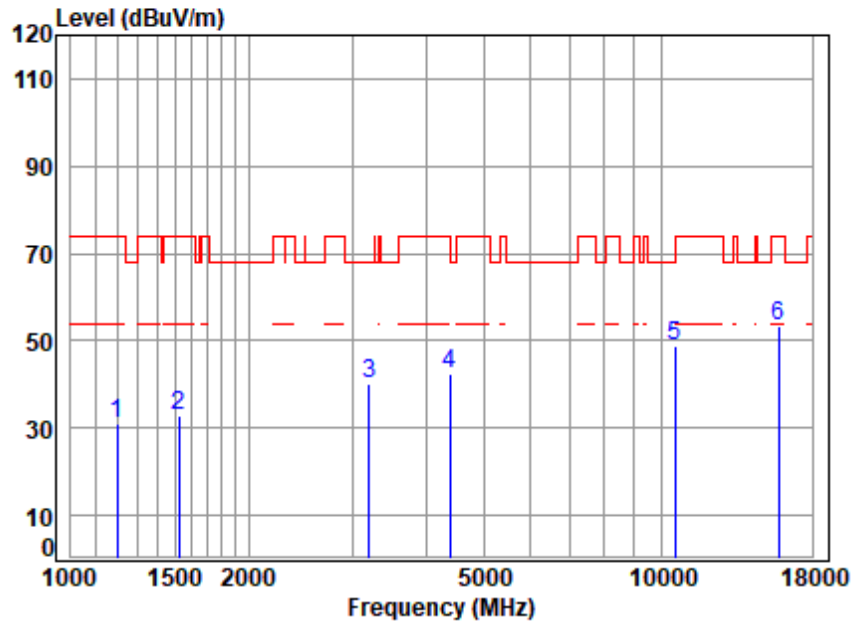


Site : chamber
Condition: 3m VERTICAL
Job No : 02444TL
Mode : 5320 TX RSE
Note : 5G WIFI 11AC20

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1260.149	3.76	25.04	54.70	57.81	31.91	68.20	-36.29	peak
2	1533.841	4.09	26.94	54.79	56.64	32.88	74.00	-41.12	peak
3	3186.869	6.25	32.79	54.85	55.81	40.00	68.20	-28.20	peak
4	4482.150	7.23	33.81	54.25	55.27	42.06	68.20	-26.14	peak
5	10640.000	11.45	37.22	53.07	51.40	47.00	74.00	-27.00	peak
6	p15960.000	14.30	41.52	51.83	49.65	53.64	74.00	-20.36	peak



Test Mode: 02; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:40MHz; Channel:Low

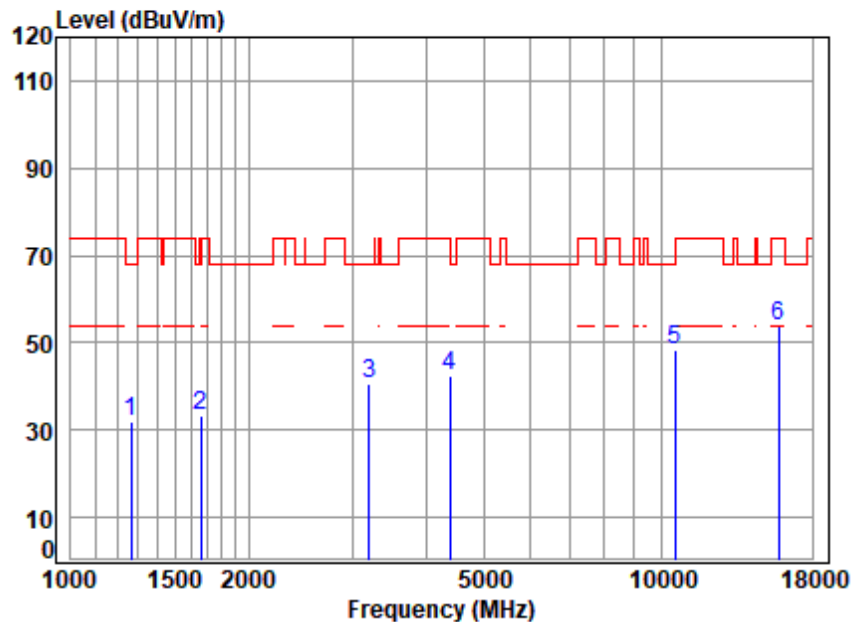


Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 02444TL
 Mode : 5270 TX RSE
 Note : 5G WIFI 11AC40

	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	1196.264	3.68	24.36	54.68	57.76	31.12	74.00	-42.88	peak
2	1525.000	4.08	26.90	54.78	56.54	32.74	74.00	-41.26	peak
3	3196.094	6.25	32.87	54.85	55.94	40.21	68.20	-27.99	peak
4	4392.376	7.13	34.74	54.26	55.00	42.61	74.00	-31.39	peak
5	10540.000	11.39	37.30	53.09	53.20	48.80	68.20	-19.40	peak
6	15810.000	14.12	41.31	51.95	49.89	53.37	74.00	-20.63	peak



Test Mode: 02; Polarity: Vertical; Modulation:802.11ac; Bandwidth:40MHz; Channel:Low

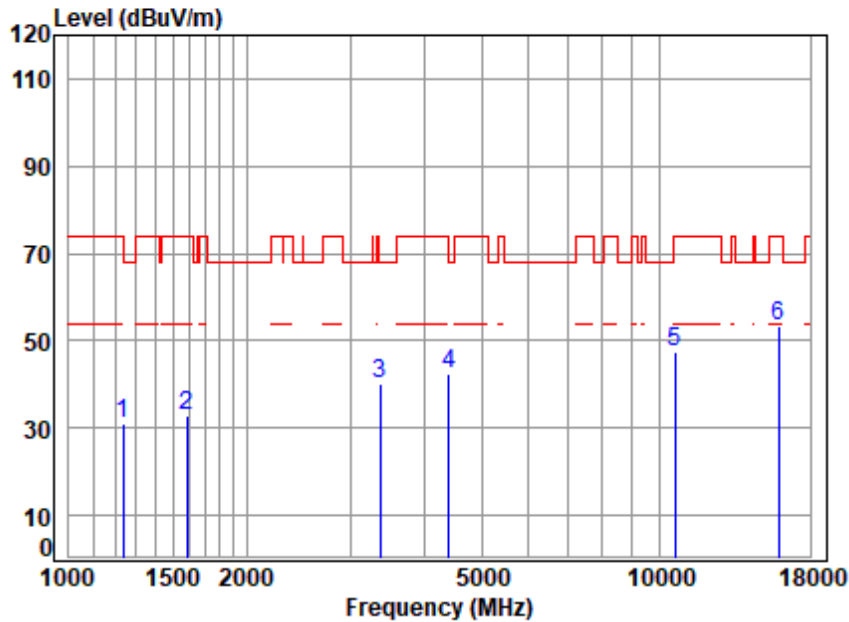


Site : chamber
Condition: 3m VERTICAL
Job No : 02444TL
Mode : 5270 TX RSE
Note : 5G WIFI 11AC40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1267.454	3.77	25.00	54.70	57.81	31.88	68.20	-36.32	peak
2	1663.137	4.27	26.27	54.82	57.41	33.13	74.00	-40.87	peak
3	3196.094	6.25	32.87	54.85	56.25	40.52	68.20	-27.68	peak
4	4392.376	7.13	34.74	54.26	54.60	42.21	74.00	-31.79	peak
5	10540.000	11.39	37.30	53.09	52.77	48.37	68.20	-19.83	peak
6	15810.000	14.12	41.31	51.95	50.32	53.80	74.00	-20.20	peak



Test Mode: 02; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:40MHz; Channel:High

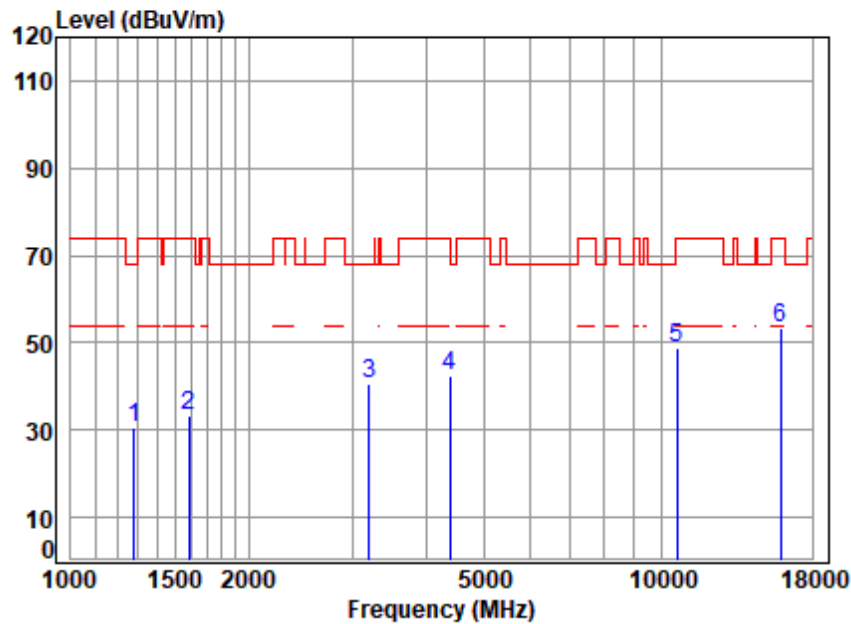


Site : chamber
Condition: 3m HORIZONTAL
Job No : 02444TL
Mode : 5310 TX RSE
Note : 5G WIFI 11AC40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1238.483	3.73	24.94	54.69	57.02	31.00	74.00	-43.00	peak
2	1587.975	4.17	26.85	54.80	56.70	32.92	74.00	-41.08	peak
3	3366.778	6.41	32.20	54.72	56.25	40.14	68.20	-28.06	peak
4	4405.090	7.14	34.74	54.26	54.80	42.42	68.20	-25.78	peak
5	10620.000	11.44	37.26	53.07	51.93	47.56	74.00	-26.44	peak
6	p15930.000	14.27	41.46	51.85	49.64	53.52	74.00	-20.48	peak



Test Mode: 02; Polarity: Vertical; Modulation:802.11ac; Bandwidth:40MHz; Channel:High

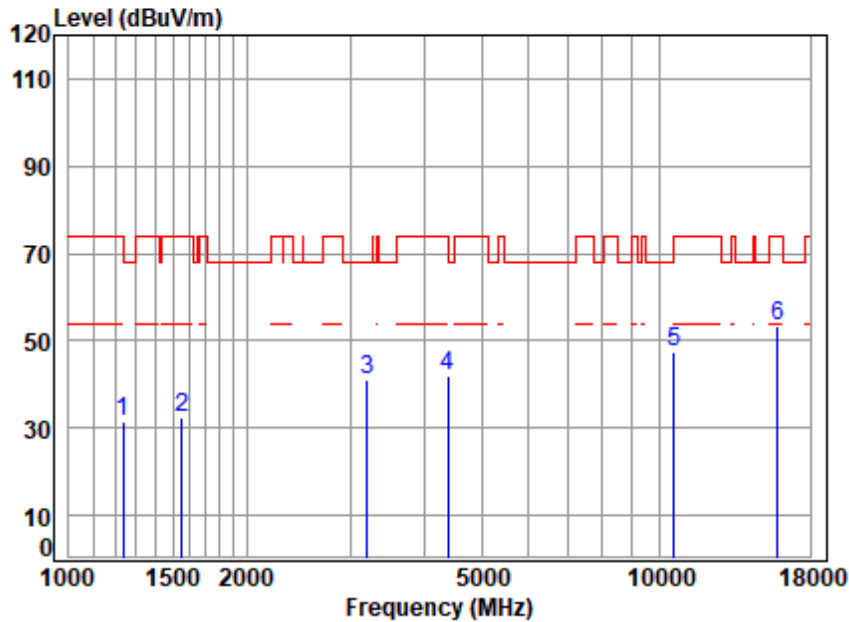


Site : chamber
Condition: 3m VERTICAL
Job No : 02444TL
Mode : 5310 TX RSE
Note : 5G WIFI 11AC40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1278.492	3.78	24.93	54.71	56.76	30.76	68.20	-37.44	peak
2	1587.975	4.17	26.85	54.80	57.08	33.30	74.00	-40.70	peak
3	3205.345	6.26	32.81	54.84	56.47	40.70	68.20	-27.50	peak
4	4392.376	7.13	34.74	54.26	54.72	42.33	74.00	-31.67	peak
5	10620.000	11.44	37.26	53.07	53.01	48.64	74.00	-25.36	peak
6	p15930.000	14.27	41.46	51.85	49.35	53.23	74.00	-20.77	peak



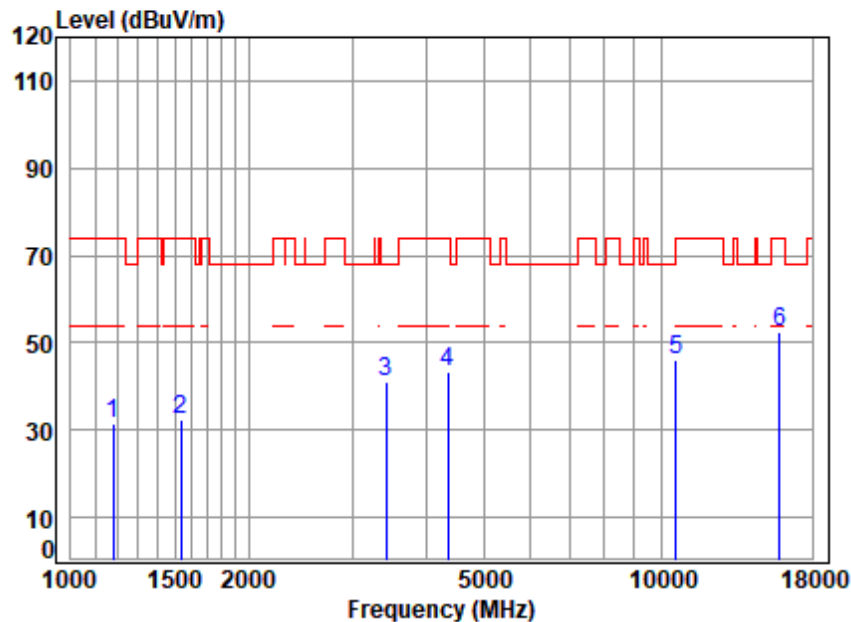
Test Mode: 02; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:80MHz; Channel:middle



Site : chamber
Condition: 3m HORIZONTAL
Job No : 02444TL
Mode : 5290 TX RSE
Note : 5G WIFI 11AC80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1234.909	3.73	24.89	54.69	57.49	31.42	74.00	-42.58	peak
2	1556.169	4.12	26.98	54.79	56.14	32.45	74.00	-41.55	peak
3	3205.345	6.26	32.81	54.84	56.69	40.92	68.20	-27.28	peak
4	4379.699	7.11	34.64	54.26	54.70	42.19	74.00	-31.81	peak
5	10580.000	11.41	37.30	53.08	51.73	47.36	68.20	-20.84	peak
6	p15870.000	14.19	41.37	51.90	49.56	53.22	74.00	-20.78	peak

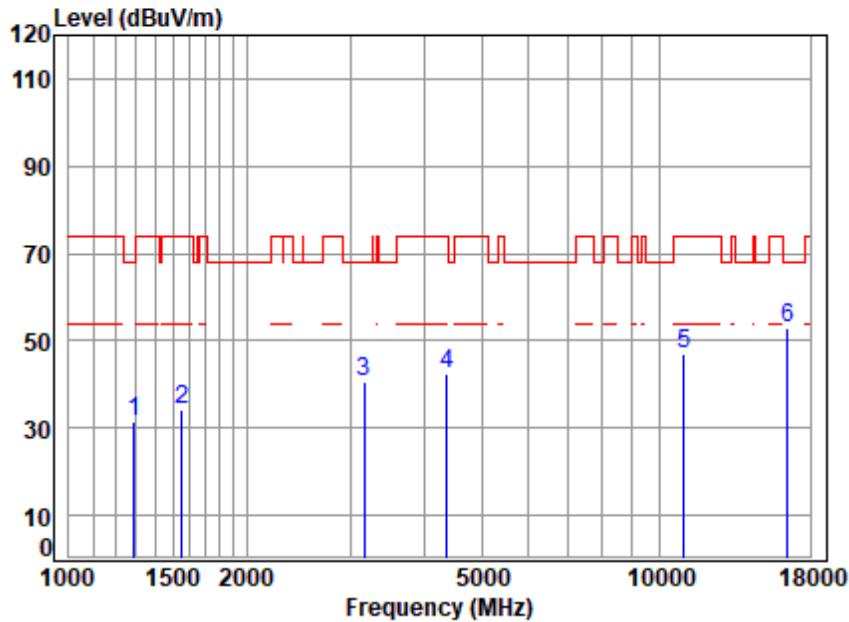
Test Mode: 02; Polarity: Vertical; Modulation:802.11ac; Bandwidth:80MHz; Channel:middle



Site : chamber
Condition: 3m VERTICAL
Job No : 02444TL
Mode : 5290 TX RSE
Note : 5G WIFI 11AC80

	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	1179.100	3.65	24.19	54.67	58.12	31.29	74.00	-42.71	peak
2	1533.841	4.09	26.94	54.79	56.15	32.39	74.00	-41.61	peak
3	3425.675	6.46	32.09	54.68	57.22	41.09	68.20	-27.11	peak
4	4354.454	7.08	34.44	54.26	56.03	43.29	74.00	-30.71	peak
5	10580.000	11.41	37.30	53.08	50.50	46.13	68.20	-22.07	peak
6	p15870.000	14.19	41.37	51.90	48.98	52.64	74.00	-21.36	peak

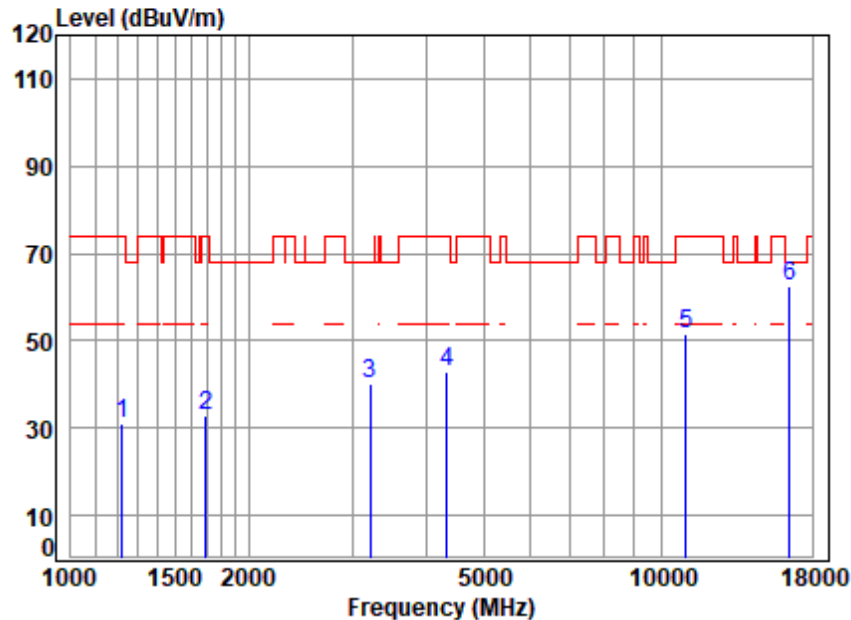
Test Mode: 03; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 02444TL
Mode : 5500 TX RSE
Note : 5G WIFI 11A

	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	1289.627	3.80	24.86	54.71	57.46	31.41	68.20	-36.79	peak
2	1551.677	4.12	26.99	54.79	57.96	34.28	74.00	-39.72	peak
3	3168.500	6.23	32.65	54.87	56.76	40.77	68.20	-27.43	peak
4	4367.058	7.10	34.54	54.26	55.24	42.62	74.00	-31.38	peak
5	11000.000	11.68	37.50	53.00	51.00	47.18	74.00	-26.82	peak
6	p16500.000	13.99	42.10	52.36	49.40	53.13	68.20	-15.07	peak

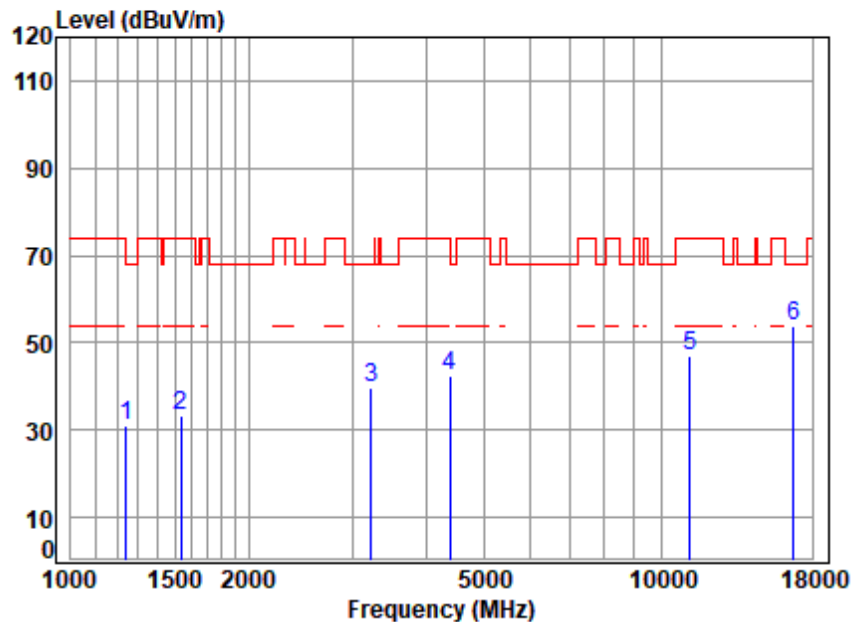
Test Mode: 03; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Site : chamber
 Condition: 3m VERTICAL
 Job No : 02444TL
 Mode : 5500 TX RSE
 Note : 5G WIFI 11A

	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	1224.247	3.71	24.74	54.69	57.27	31.03	74.00	-42.97	peak
2	1692.231	4.31	26.22	54.83	57.25	32.95	74.00	-41.05	peak
3	3214.623	6.27	32.67	54.83	56.04	40.15	68.20	-28.05	peak
4	4341.886	7.07	34.34	54.26	55.92	43.07	74.00	-30.93	peak
5	11000.000	11.68	37.50	53.00	55.22	51.40	74.00	-22.60	peak
6	16500.000	13.99	42.10	52.36	58.87	62.60	68.20	-5.60	peak

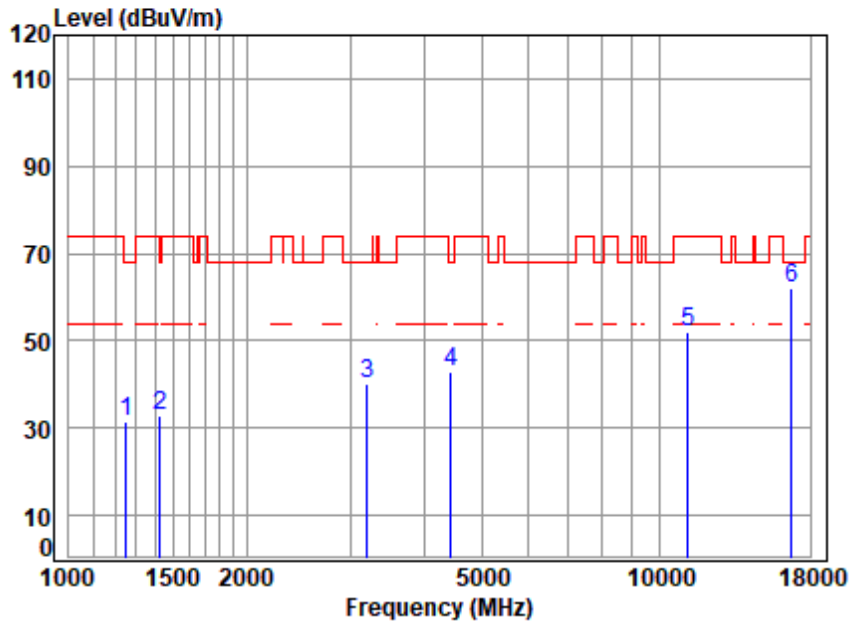
Test Mode: 03; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:middle



Site : chamber
Condition: 3m HORIZONTAL
Job No : 02444TL
Mode : 5580 TX RSE
Note : 5G WIFI 11A

	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	3.74	24.99	54.69	56.96	31.00	68.20	-37.20	peak
2	1533.841	4.09	26.94	54.79	56.86	33.10	74.00	-40.90	peak
3	3223.928	6.28	32.52	54.82	55.62	39.60	68.20	-28.60	peak
4	4379.699	7.11	34.64	54.26	54.77	42.26	74.00	-31.74	peak
5	11160.000	11.77	37.62	53.03	50.50	46.86	74.00	-27.14	peak
6	p16740.000	14.15	42.78	52.62	49.72	54.03	68.20	-14.17	peak

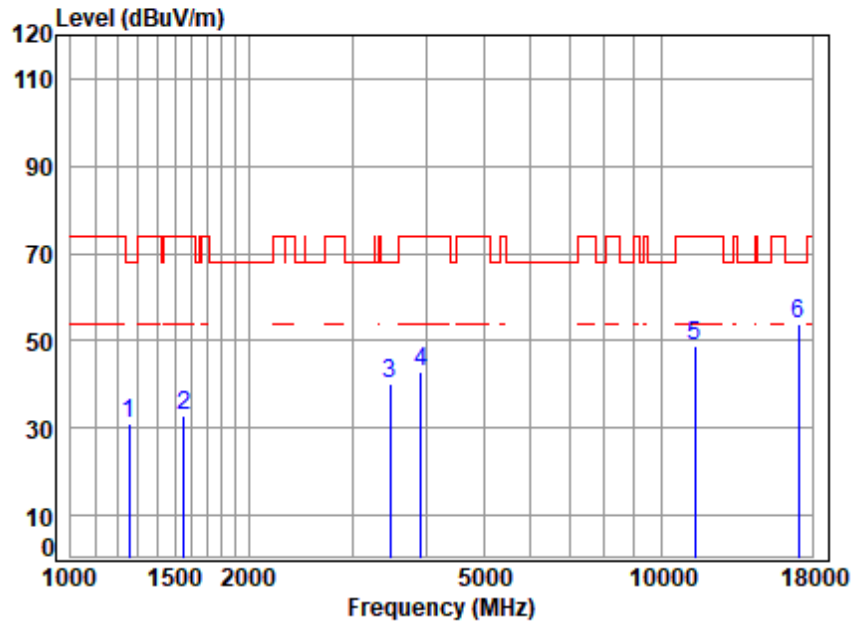
Test Mode: 03; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:middle



Site : chamber
Condition: 3m VERTICAL
Job No : 02444TL
Mode : 5580 TX RSE
Note : 5G WIFI 11A

	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	3.75	25.09	54.70	57.52	31.66	68.20	-36.54	peak
2	1426.916	3.96	25.03	54.75	58.83	33.07	74.00	-40.93	peak
3	3196.094	6.25	32.87	54.85	56.03	40.30	68.20	-27.90	peak
4	4443.453	7.19	34.28	54.25	55.57	42.79	68.20	-25.41	peak
5	11160.000	11.77	37.62	53.03	55.61	51.97	74.00	-22.03	peak
6	p16740.000	14.15	42.78	52.62	57.70	62.01	68.20	-6.19	peak

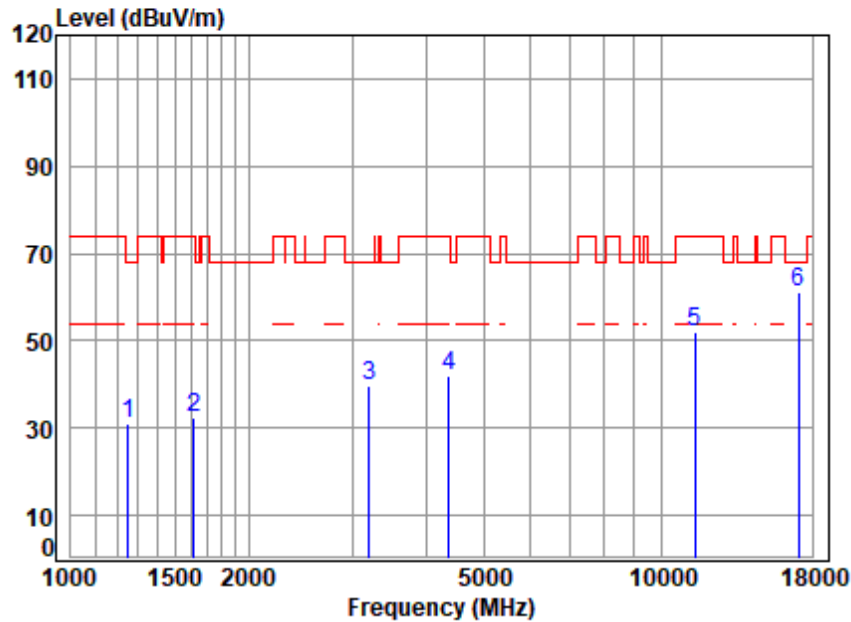
Test Mode: 03; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Site : chamber
Condition: 3m HORIZONTAL
Job No : 02444TL
Mode : 5700 TX RSE
Note : 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1256.512	3.76	25.06	54.70	56.89	31.01	68.20	-37.19	peak
2	1556.169	4.12	26.98	54.79	56.37	32.68	74.00	-41.32	peak
3	3475.541	6.50	31.70	54.64	56.79	40.35	68.20	-27.85	peak
4	3912.809	6.63	33.72	54.35	56.73	42.73	74.00	-31.27	peak
5	11400.000	11.90	37.70	53.08	52.18	48.70	74.00	-25.30	peak
6	17100.000	14.44	43.10	52.85	49.21	53.90	68.20	-14.30	peak

Test Mode: 03; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:High

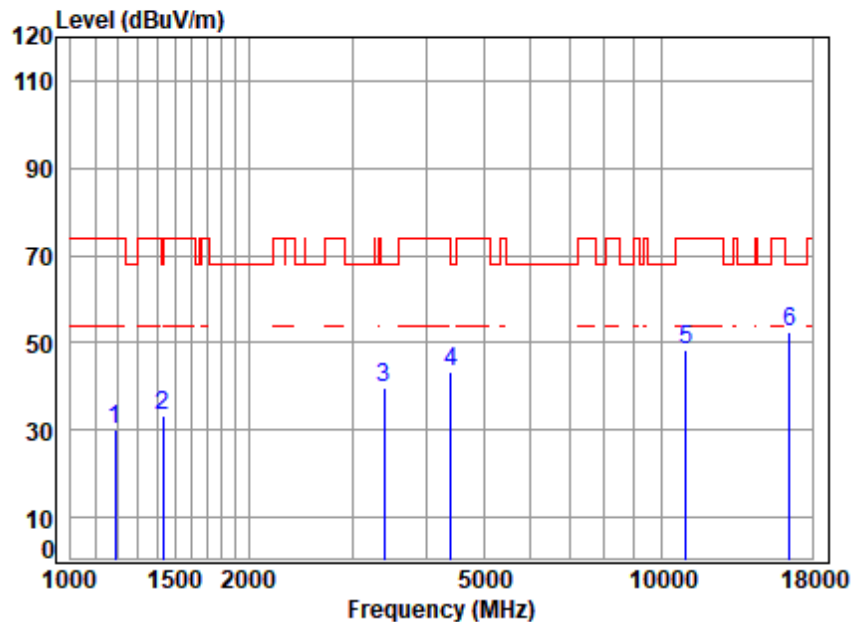


Site : chamber
Condition: 3m VERTICAL
Job No : 02444TL
Mode : 5700 TX RSE
Note : 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1252.885	3.75	25.08	54.70	56.91	31.04	68.20	-37.16	peak
2	1615.754	4.21	26.64	54.81	56.53	32.57	74.00	-41.43	peak
3	3205.345	6.26	32.81	54.84	55.66	39.89	68.20	-28.31	peak
4	4367.058	7.10	34.54	54.26	54.44	41.82	74.00	-32.18	peak
5	11400.000	11.90	37.70	53.08	55.53	52.05	74.00	-21.95	peak
6	17100.000	14.44	43.10	52.85	56.66	61.35	68.20	-6.85	peak



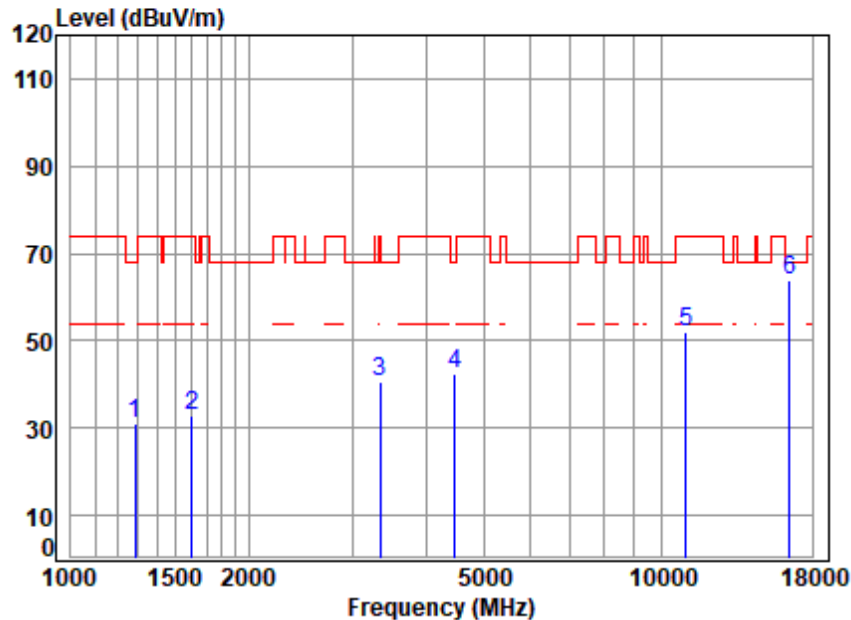
Test Mode: 03; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:20MHz; Channel:Low



Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 02444TL
 Mode : 5500 TX RSE
 Note : 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1189.368	3.67	24.29	54.68	56.99	30.27	74.00	-43.73	peak
2	1435.189	3.97	25.16	54.76	59.01	33.38	74.00	-40.62	peak
3	3396.098	6.43	32.38	54.70	55.65	39.76	68.20	-28.44	peak
4	4405.090	7.14	34.74	54.26	55.74	43.36	68.20	-24.84	peak
5	11000.000	11.68	37.50	53.00	52.00	48.18	74.00	-25.82	peak
6	16500.000	13.99	42.10	52.36	48.54	52.27	68.20	-15.93	peak

Test Mode: 03; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:Low

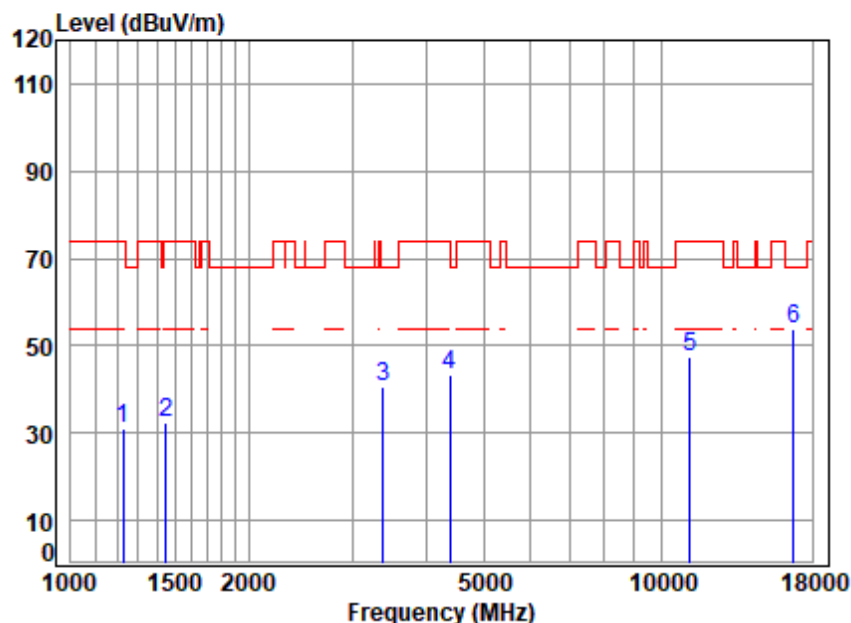


Site : chamber
Condition: 3m VERTICAL
Job No : 02444TL
Mode : 5500 TX RSE
Note : 5G WIFI 11AC20

	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	1285.904	3.79	24.88	54.71	57.13	31.09	68.20	-37.11	peak
2	1601.804	4.19	26.78	54.80	56.80	32.97	74.00	-41.03	peak
3	3347.371	6.39	32.05	54.73	56.72	40.43	74.00	-33.57	peak
4	4469.214	7.22	33.97	54.25	55.70	42.64	68.20	-25.56	peak
5	11000.000	11.68	37.50	53.00	56.00	52.18	74.00	-21.82	peak
6	p16500.000	13.99	42.10	52.36	60.04	63.77	68.20	-4.43	peak



Test Mode: 03; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:20MHz; Channel:middle

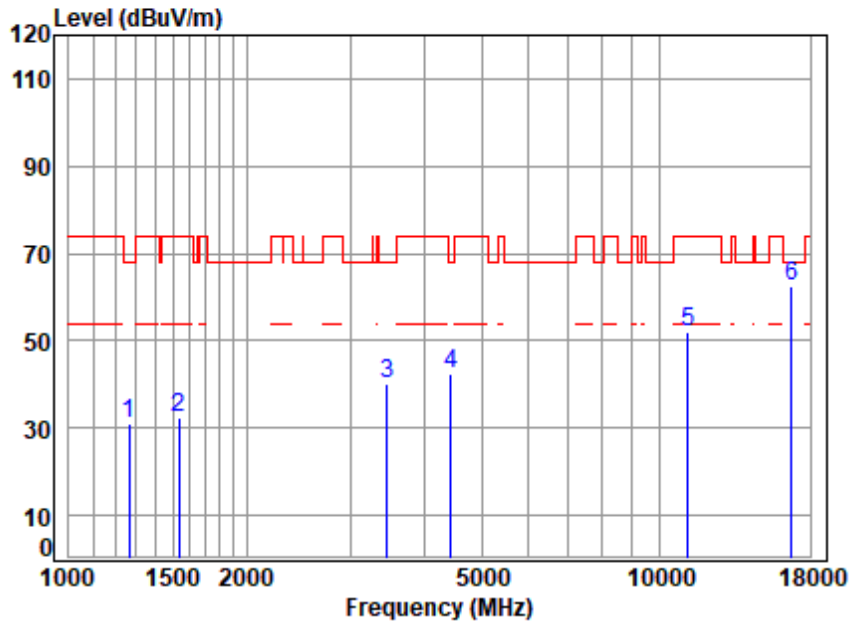


Site : chamber
Condition: 3m HORIZONTAL
Job No : 02444TL
Mode : 5580 TX RSE
Note : 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1227.791	3.72	24.79	54.69	56.98	30.80	74.00	-43.20	peak
2	1451.878	3.99	25.45	54.76	57.73	32.41	74.00	-41.59	peak
3	3386.297	6.42	32.32	54.71	56.44	40.47	68.20	-27.73	peak
4	4379.699	7.11	34.64	54.26	55.73	43.22	74.00	-30.78	peak
5	11160.000	11.77	37.62	53.03	50.98	47.34	74.00	-26.66	peak
6	p16740.000	14.15	42.78	52.62	49.43	53.74	68.20	-14.46	peak



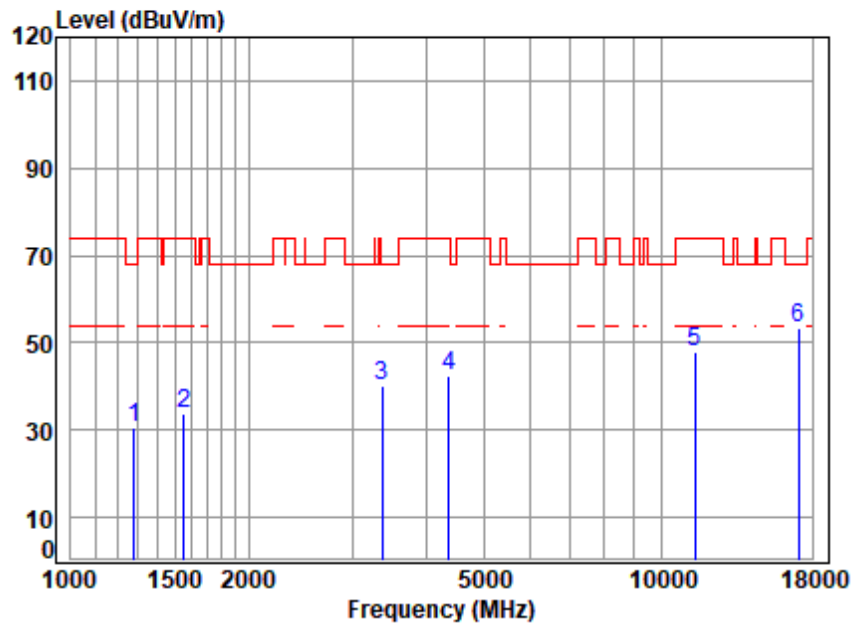
Test Mode: 03; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:middle



Site : chamber
Condition: 3m VERTICAL
Job No : 02444TL
Mode : 5580 TX RSE
Note : 5G WIFI 11AC20

	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	3.77	25.02	54.70	56.93	31.02	68.20	-37.18	peak
2	1538.281	4.10	26.95	54.79	56.07	32.33	74.00	-41.67	peak
3	3455.508	6.48	31.78	54.66	56.55	40.15	68.20	-28.05	peak
4	4430.628	7.17	34.43	54.25	55.21	42.56	68.20	-25.64	peak
5	11160.000	11.77	37.62	53.03	55.71	52.07	74.00	-21.93	peak
6	p16740.000	14.15	42.78	52.62	57.99	62.30	68.20	-5.90	peak

Test Mode: 03; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:20MHz; Channel:High

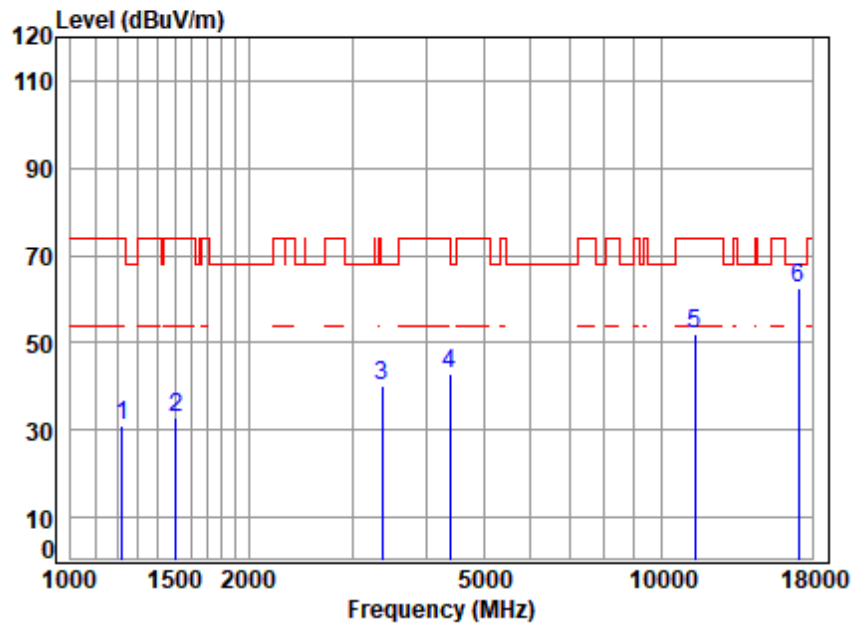


Site : chamber
Condition: 3m HORIZONTAL
Job No : 02444TL
Mode : 5700 TX RSE
Note : 5G WIFI 11AC20

	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	1282.193	3.79	24.91	54.71	56.54	30.53	68.20	-37.67	peak
2	1551.677	4.12	26.99	54.79	57.30	33.62	74.00	-40.38	peak
3	3366.778	6.41	32.20	54.72	56.41	40.30	68.20	-27.90	peak
4	4367.058	7.10	34.54	54.26	54.86	42.24	74.00	-31.76	peak
5	11400.000	11.90	37.70	53.08	51.29	47.81	74.00	-26.19	peak
6	17100.000	14.44	43.10	52.85	48.84	53.53	68.20	-14.67	peak



Test Mode: 03; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:High

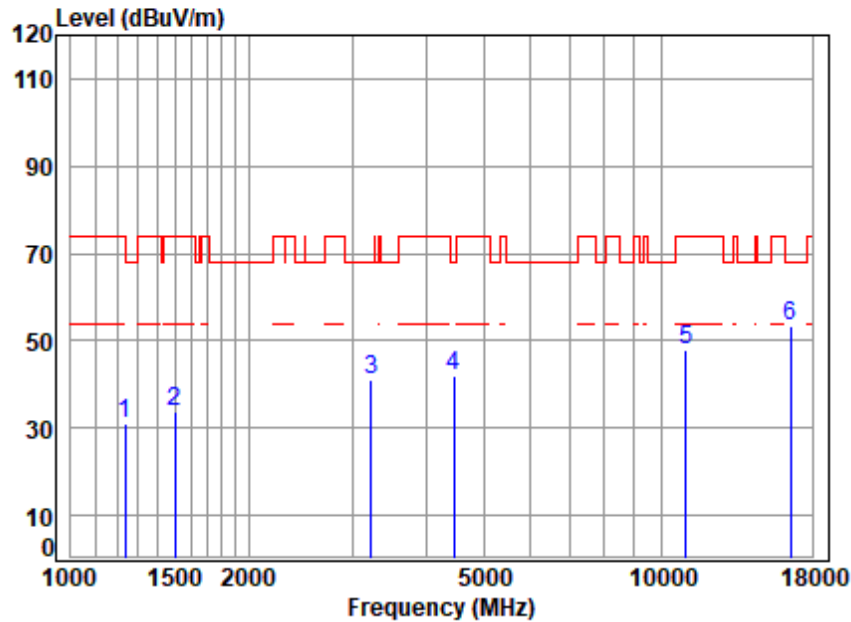


Site : chamber
 Condition: 3m VERTICAL
 Job No : 02444TL
 Mode : 5700 TX RSE
 Note : 5G WIFI 11AC20

	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	3.71	24.69	54.69	57.21	30.92	74.00	-43.08	peak
2	1507.470	4.05	26.83	54.78	56.75	32.85	74.00	-41.15	peak
3	3366.778	6.41	32.20	54.72	56.38	40.27	68.20	-27.93	peak
4	4379.699	7.11	34.64	54.26	55.20	42.69	74.00	-31.31	peak
5	11400.000	11.90	37.70	53.08	55.34	51.86	74.00	-22.14	peak
6	17100.000	14.44	43.10	52.85	57.80	62.49	68.20	-5.71	peak



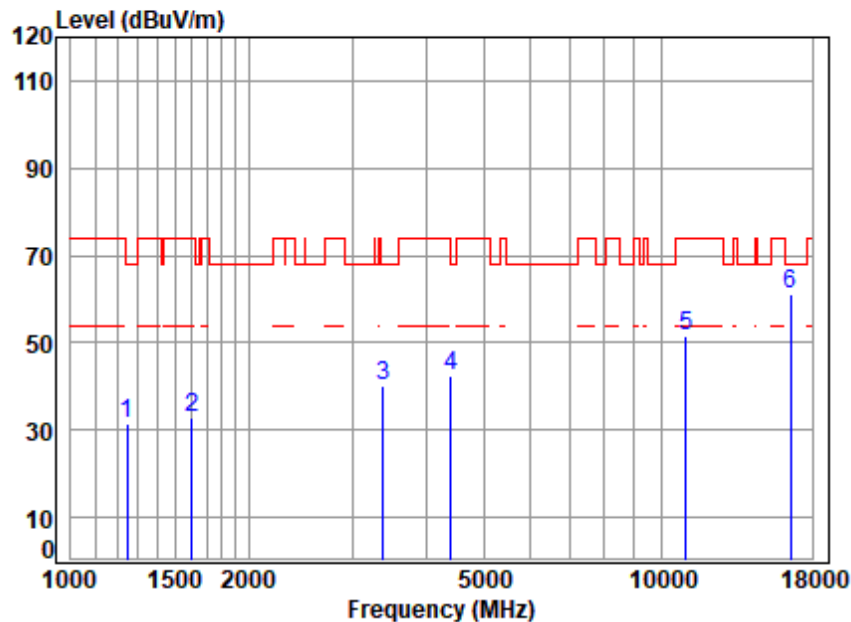
Test Mode: 03; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:40MHz; Channel:Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 02444TL
Mode : 5510 TX RSE
Note : 5G WIFI 11AC40

	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	3.73	24.89	54.69	57.11	31.04	74.00	-42.96	peak
2	1503.119	4.04	26.81	54.78	57.58	33.65	74.00	-40.35	peak
3	3223.928	6.28	32.52	54.82	56.89	40.87	68.20	-27.33	peak
4	4456.315	7.20	34.12	54.25	55.11	42.18	68.20	-26.02	peak
5	11020.000	11.69	37.50	53.00	51.87	48.06	74.00	-25.94	peak
6	p16530.000	14.01	42.16	52.39	49.51	53.29	68.20	-14.91	peak

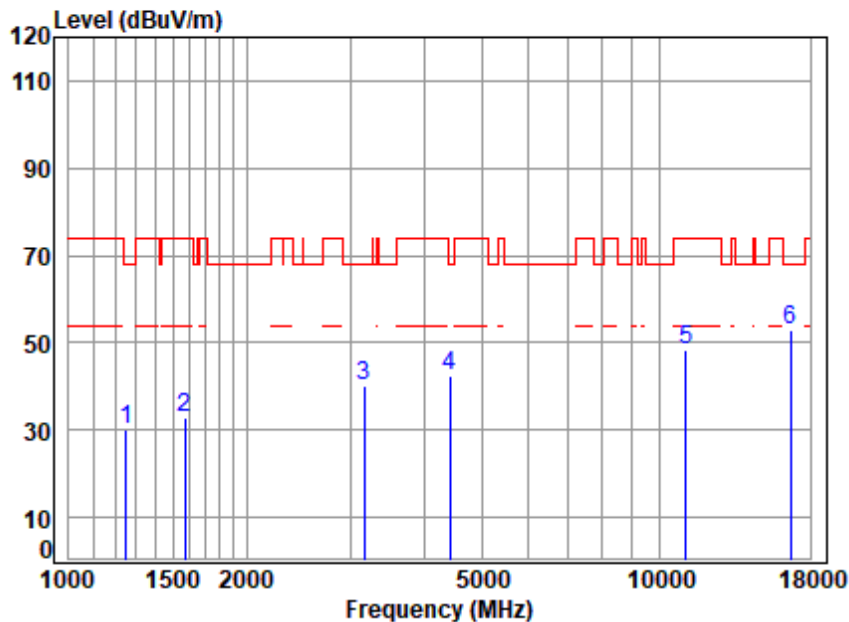
Test Mode: 03; Polarity: Vertical; Modulation:802.11ac; Bandwidth:40MHz; Channel:Low



Site : chamber
Condition: 3m VERTICAL
Job No : 02444TL
Mode : 5510 TX RSE
Note : 5G WIFI 11AC40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1245.663	3.74	25.04	54.70	57.50	31.58	68.20	-36.62	peak
2	1601.804	4.19	26.78	54.80	56.51	32.68	74.00	-41.32	peak
3	3376.523	6.42	32.26	54.71	56.02	39.99	68.20	-28.21	peak
4	4405.090	7.14	34.74	54.26	54.67	42.29	68.20	-25.91	peak
5	11020.000	11.69	37.50	53.00	55.24	51.43	74.00	-22.57	peak
6	p16530.000	14.01	42.16	52.39	57.18	60.96	68.20	-7.24	peak

Test Mode: 03; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:40MHz; Channel:middle

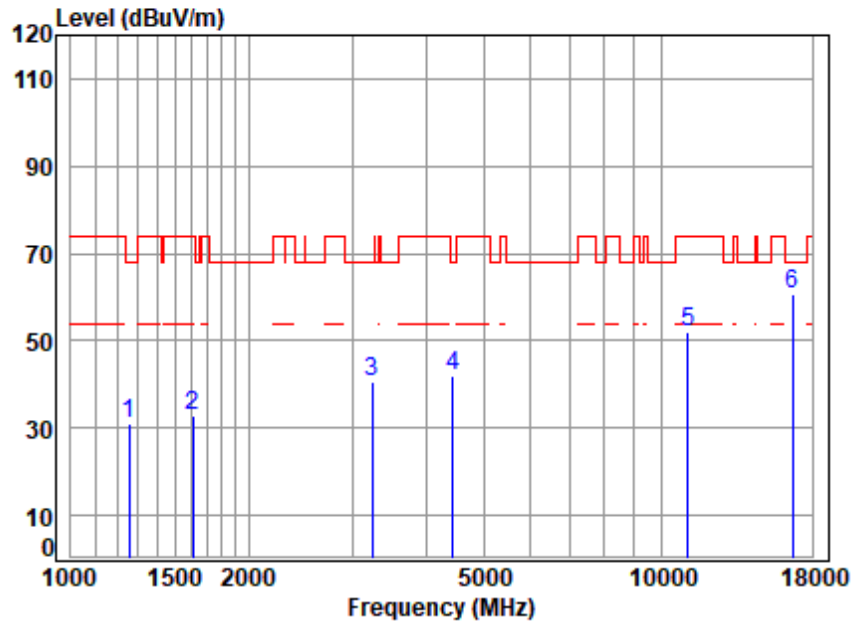


Site : chamber
Condition: 3m HORIZONTAL
Job No : 02444TL
Mode : 5550 TX RSE
Note : 5G WIFI 11AC40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1252.885	3.75	25.08	54.70	55.99	30.12	68.20	-38.08	peak
2	1574.265	4.15	26.90	54.80	56.39	32.64	74.00	-41.36	peak
3	3168.500	6.23	32.65	54.87	55.98	39.99	68.20	-28.21	peak
4	4417.841	7.16	34.59	54.26	54.78	42.27	68.20	-25.93	peak
5	11100.000	11.73	37.50	53.02	52.16	48.37	74.00	-25.63	peak
6	p16650.000	14.09	42.50	52.52	48.94	53.01	68.20	-15.19	peak



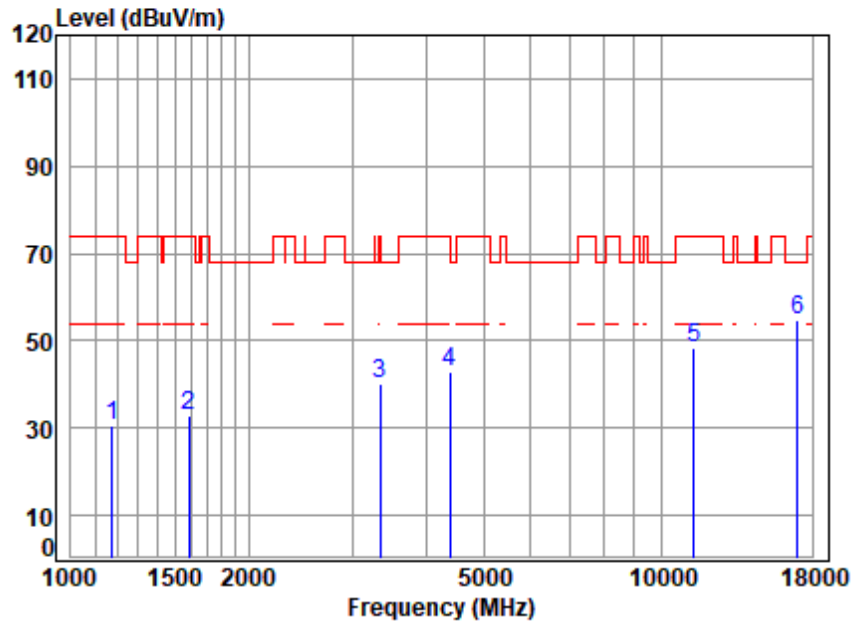
Test Mode: 03; Polarity: Vertical; Modulation:802.11ac; Bandwidth:40MHz; Channel:middle



Site : chamber
Condition: 3m VERTICAL
Job No : 02444TL
Mode : 5550 TX RSE
Note : 5G WIFI 11AC40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1256.512	3.76	25.06	54.70	57.12	31.24	68.20	-36.96	peak
2	1611.091	4.20	26.69	54.81	56.79	32.87	74.00	-41.13	peak
3	3242.619	6.30	32.22	54.81	56.99	40.70	68.20	-27.50	peak
4	4430.628	7.17	34.43	54.25	54.84	42.19	68.20	-26.01	peak
5	11100.000	11.73	37.50	53.02	55.60	51.81	74.00	-22.19	peak
6	p16650.000	14.09	42.50	52.52	56.48	60.55	68.20	-7.65	peak

Test Mode: 03; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:40MHz; Channel:High

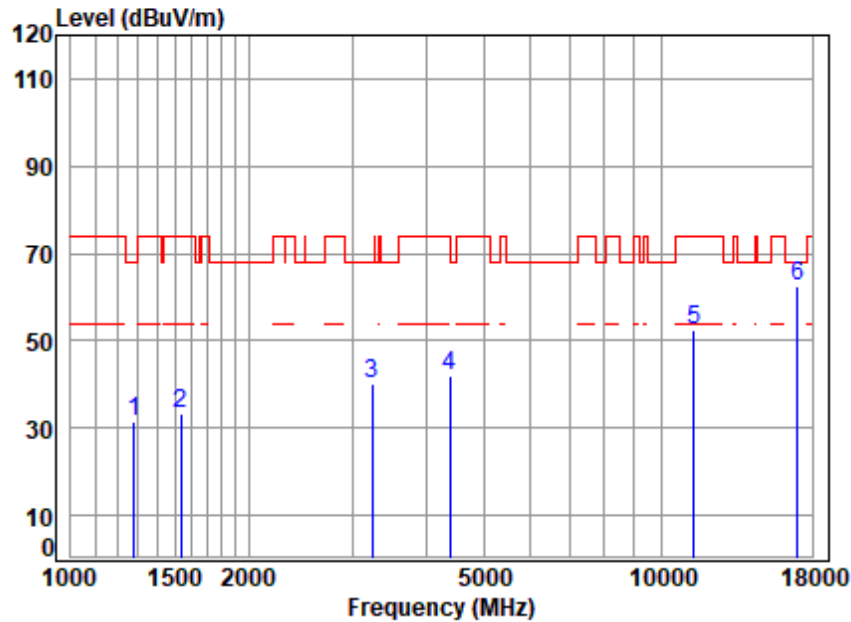


Site : chamber
Condition: 3m HORIZONTAL
Job No : 02444TL
Mode : 5670 TX RSE
Note : 5G WIFI 11AC40

	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	1175.697	3.65	24.16	54.67	57.34	30.48	74.00	-43.52	peak
2	1587.975	4.17	26.85	54.80	56.46	32.68	74.00	-41.32	peak
3	3347.371	6.39	32.05	54.73	56.58	40.29	74.00	-33.71	peak
4	4392.376	7.13	34.74	54.26	55.32	42.93	74.00	-31.07	peak
5	11340.000	11.86	37.76	53.07	51.88	48.43	74.00	-25.57	peak
6	p17010.000	14.33	43.10	52.89	50.42	54.96	68.20	-13.24	peak



Test Mode: 03; Polarity: Vertical; Modulation:802.11ac; Bandwidth:40MHz; Channel:High

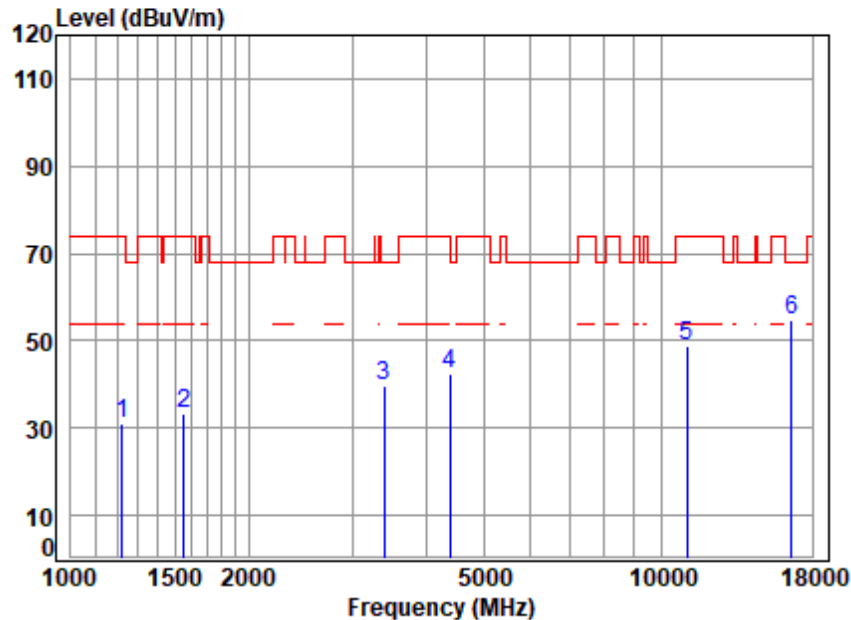


Site : chamber
Condition: 3m VERTICAL
Job No : 02444TL
Mode : 5670 TX RSE
Note : 5G WIFI 11AC40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1278.492	3.78	24.93	54.71	57.33	31.33	68.20	-36.87	peak
2	1533.841	4.09	26.94	54.79	57.13	33.37	74.00	-40.63	peak
3	3242.619	6.30	32.22	54.81	56.51	40.22	68.20	-27.98	peak
4	4392.376	7.13	34.74	54.26	54.28	41.89	74.00	-32.11	peak
5	11340.000	11.86	37.76	53.07	55.90	52.45	74.00	-21.55	peak
6	p17010.000	14.33	43.10	52.89	57.87	62.41	68.20	-5.79	peak



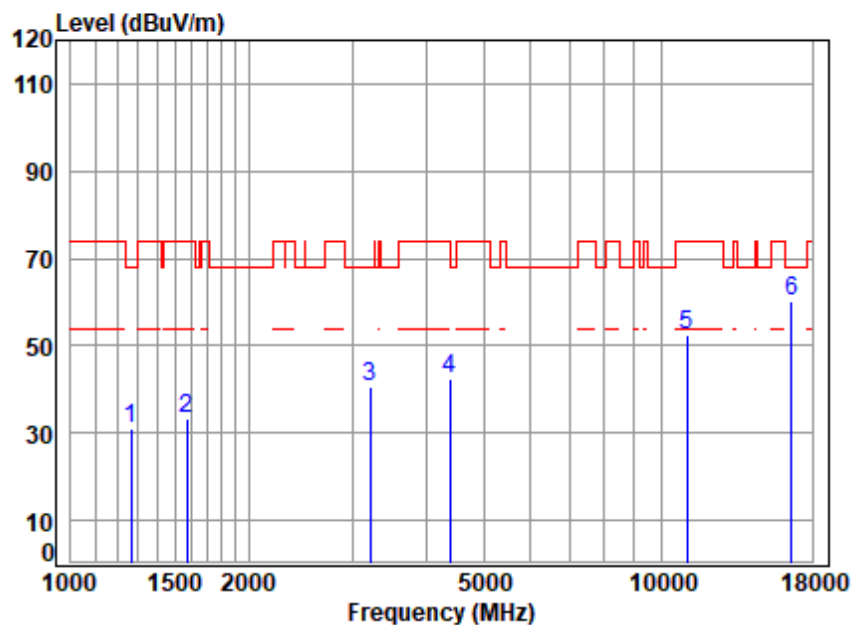
Test Mode: 03; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:80MHz; Channel:Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 02444TL
Mode : 5530 TX RSE
Note : 5G WIFI 11AC80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1224.247	3.71	24.74	54.69	57.32	31.08	74.00	-42.92	peak
2	1556.169	4.12	26.98	54.79	57.15	33.46	74.00	-40.54	peak
3	3396.098	6.43	32.38	54.70	55.65	39.76	68.20	-28.44	peak
4	4392.376	7.13	34.74	54.26	54.96	42.57	74.00	-31.43	peak
5	11060.000	11.71	37.50	53.01	52.45	48.65	74.00	-25.35	peak
6	16590.000	14.05	42.28	52.46	50.87	54.74	68.20	-13.46	peak

Test Mode: 03; Polarity: Vertical; Modulation:802.11ac; Bandwidth:80MHz; Channel:Low

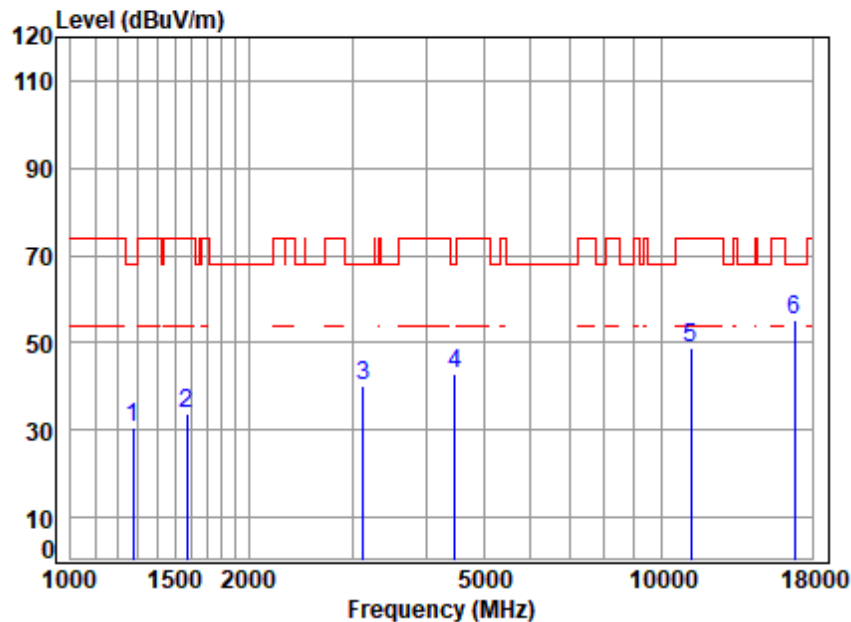


Site : chamber
Condition: 3m VERTICAL
Job No : 02444TL
Mode : 5530 TX RSE
Note : 5G WIFI 11AC80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1263.796	3.77	25.02	54.70	56.73	30.82	68.20	-37.38	peak
2	1574.265	4.15	26.90	54.80	57.26	33.51	74.00	-40.49	peak
3	3214.623	6.27	32.67	54.83	56.47	40.58	68.20	-27.62	peak
4	4379.699	7.11	34.64	54.26	54.77	42.26	74.00	-31.74	peak
5	11060.000	11.71	37.50	53.01	56.08	52.28	74.00	-21.72	peak
6	p16590.000	14.05	42.28	52.46	56.54	60.41	68.20	-7.79	peak



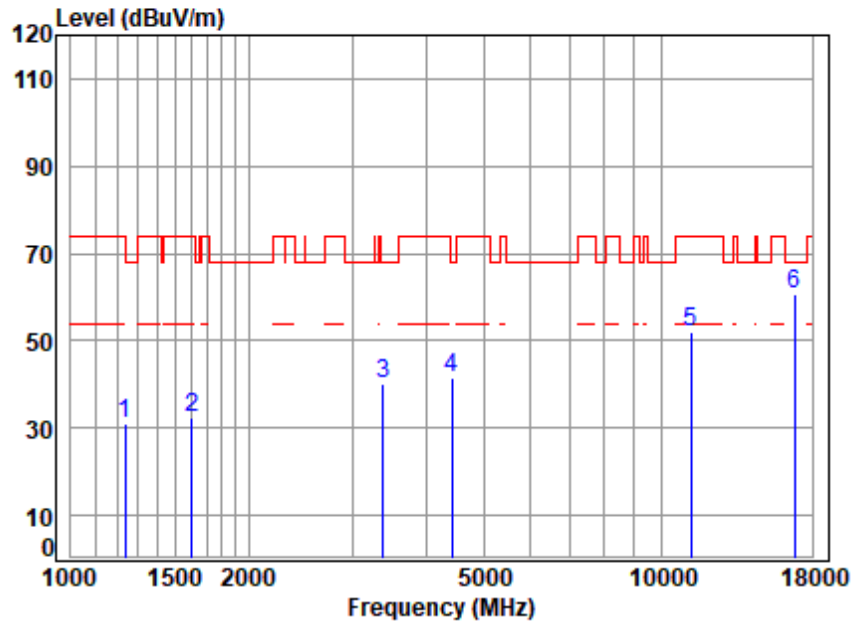
Test Mode: 03; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:80MHz; Channel:High



Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 02444TL
 Mode : 5610 TX RSE
 Note : 5G WIFI 11AC80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1274.802	3.78	24.95	54.71	56.73	30.75	68.20	-37.45	peak
2	1574.265	4.15	26.90	54.80	57.36	33.61	74.00	-40.39	peak
3	3132.079	6.20	32.18	54.90	56.89	40.37	68.20	-27.83	peak
4	4469.214	7.22	33.97	54.25	55.75	42.69	68.20	-25.51	peak
5	11220.000	11.80	37.72	53.05	52.33	48.80	74.00	-25.20	peak
6	p16830.000	14.21	42.99	52.72	50.73	55.21	68.20	-12.99	peak

Test Mode: 03; Polarity: Vertical; Modulation:802.11ac; Bandwidth:80MHz; Channel:High

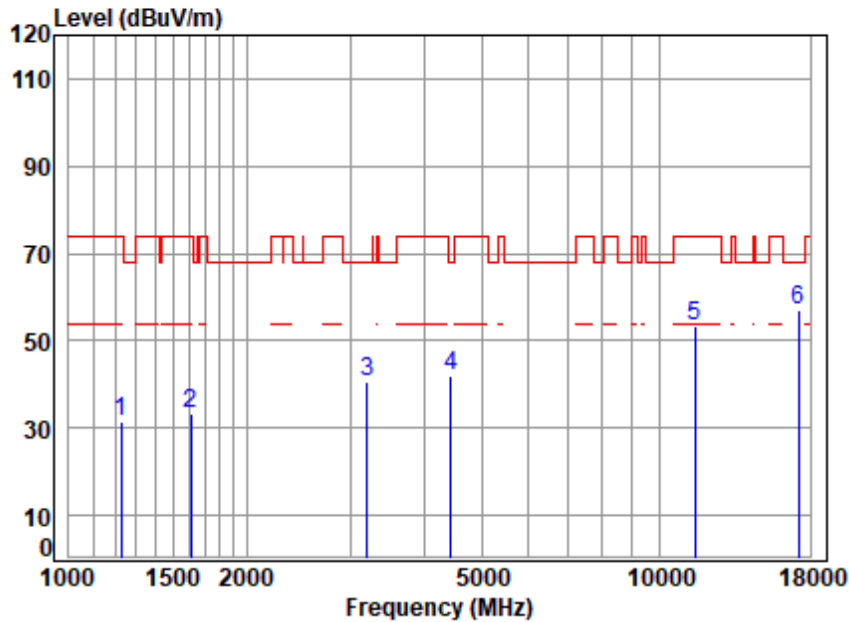


Site : chamber
 Condition: 3m VERTICAL
 Job No : 02444TL
 Mode : 5610 TX RSE
 Note : 5G WIFI 11AC80

	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	3.73	24.89	54.69	57.13	31.06	74.00	-42.94	peak
2	1601.804	4.19	26.78	54.80	56.20	32.37	74.00	-41.63	peak
3	3376.523	6.42	32.26	54.71	56.06	40.03	68.20	-28.17	peak
4	4417.841	7.16	34.59	54.26	54.25	41.74	68.20	-26.46	peak
5	11220.000	11.80	37.72	53.05	55.37	51.84	74.00	-22.16	peak
6	p16830.000	14.21	42.99	52.72	56.13	60.61	68.20	-7.59	peak



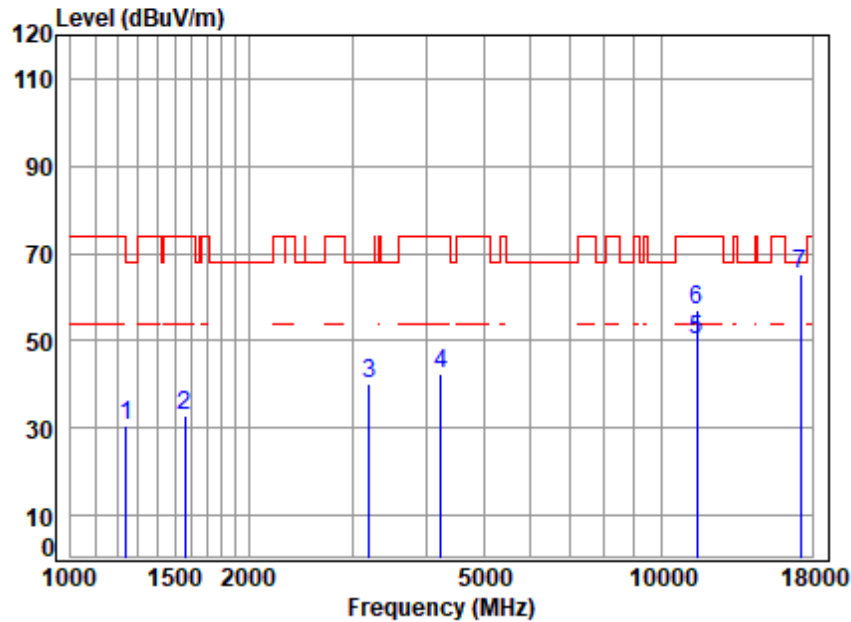
Test Mode: 04; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 02444TL
Mode : 5745 TX RSE
Note : 5G WIFI 11A

	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	3.72	24.79	54.69	57.74	31.56	74.00	-42.44	peak
2	1611.091	4.20	26.69	54.81	57.29	33.37	74.00	-40.63	peak
3	3205.345	6.26	32.81	54.84	56.45	40.68	68.20	-27.52	peak
4	4443.453	7.19	34.28	54.25	54.89	42.11	68.20	-26.09	peak
5	11490.000	11.94	37.79	53.10	56.66	53.29	74.00	-20.71	peak
6	p17235.000	14.59	43.03	52.78	52.24	57.08	68.20	-11.12	peak

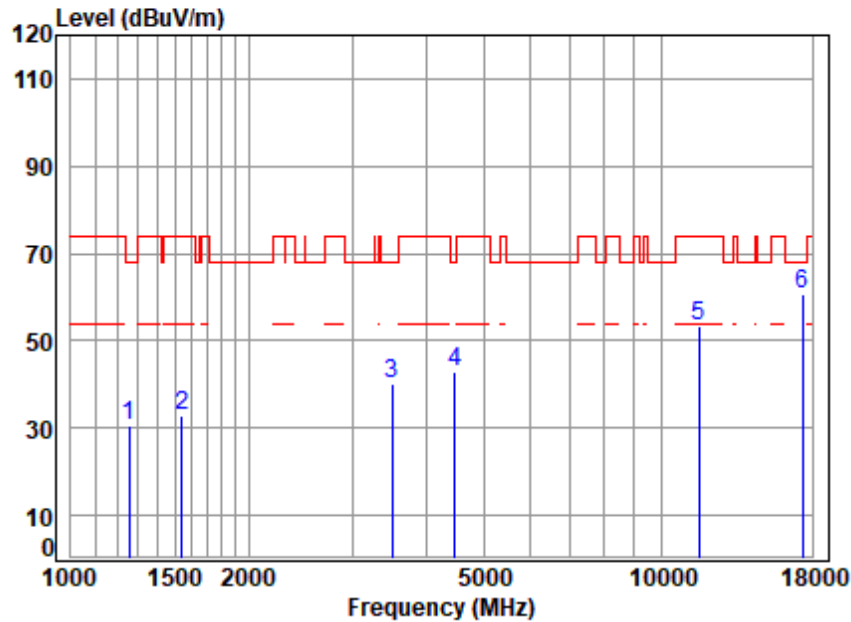
Test Mode: 04; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Site : chamber
Condition: 3m VERTICAL
Job No : 02444TL
Mode : 5745 TX RSE
Note : 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1242.068	3.74	24.99	54.69	56.35	30.39	68.20	-37.81	peak
2	1560.673	4.13	26.96	54.79	56.49	32.79	74.00	-41.21	peak
3	3196.094	6.25	32.87	54.85	55.81	40.08	68.20	-28.12	peak
4	4230.396	6.94	33.80	54.27	55.77	42.24	74.00	-31.76	peak
5	q11490.000	11.94	37.79	53.10	53.36	49.99	54.00	-4.01	Average
6	11490.000	11.94	37.79	53.10	60.22	56.85	74.00	-17.15	peak
7	p17235.000	14.59	43.03	52.78	60.36	65.20	68.20	-3.00	peak

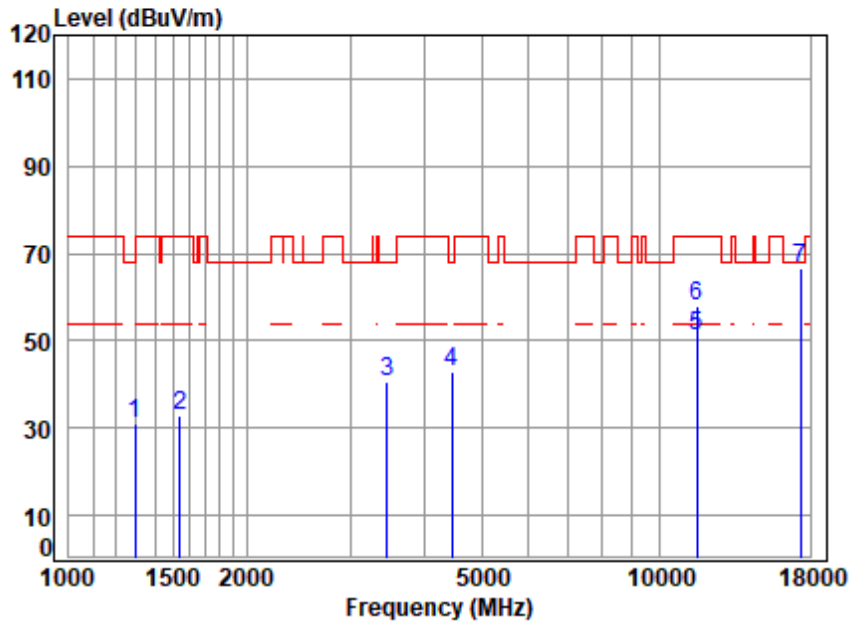
Test Mode: 04; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:middle



Site : chamber
Condition: 3m HORIZONTAL
Job No : 02444TL
Mode : 5785 TX RSE
Note : 5G WIFI 11A

	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	1256.512	3.76	25.06	54.70	56.48	30.60	68.20	-37.60	peak
2	1542.733	4.10	26.97	54.79	56.39	32.67	74.00	-41.33	peak
3	3495.691	6.52	31.62	54.63	56.45	39.96	68.20	-28.24	peak
4	4469.214	7.22	33.97	54.25	55.82	42.76	68.20	-25.44	peak
5	11570.000	11.95	37.73	53.12	57.03	53.59	74.00	-20.41	peak
6	17355.000	14.73	43.26	52.72	55.20	60.47	68.20	-7.73	peak

Test Mode: 04; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:middle



Site : chamber
Condition: 3m VERTICAL
Job No : 02444TL
Mode : 5785 TX RSE
Note : 5G WIFI 11A

	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	3.81	24.82	54.71	56.94	30.86	68.20	-37.34	peak
2	1542.733	4.10	26.97	54.79	56.59	32.87	74.00	-41.13	peak
3	3465.510	6.49	31.74	54.65	56.93	40.51	68.20	-27.69	peak
4	4456.315	7.20	34.12	54.25	55.85	42.92	68.20	-25.28	peak
5	q11570.000	11.95	37.73	53.12	54.70	51.26	54.00	-2.74	Average
6	11570.000	11.95	37.73	53.12	61.47	58.03	74.00	-15.97	peak
7	p17355.000	14.73	43.26	52.72	61.23	66.50	68.20	-1.70	peak

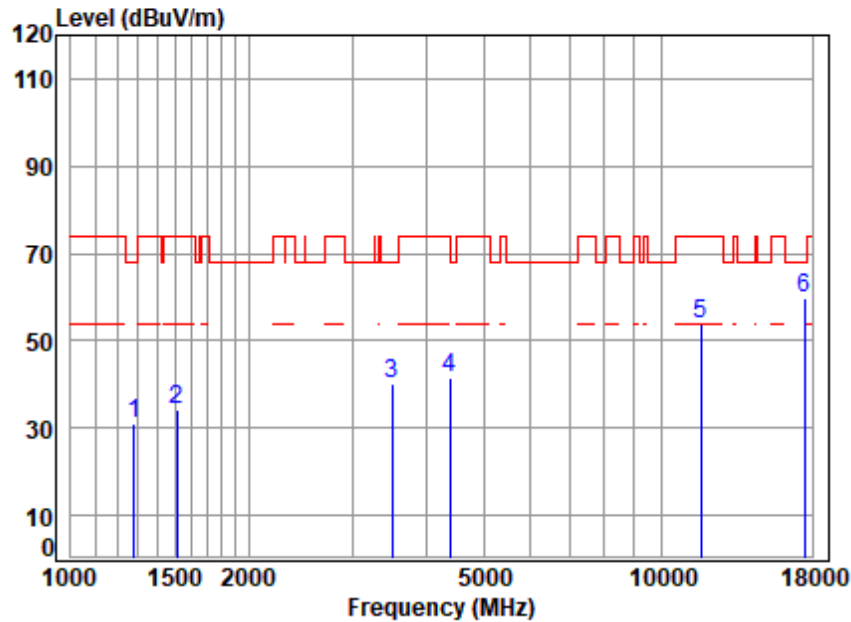
SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250600244402

Page: 90 of 426

Test Mode: 04; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Site : chamber
Condition: 3m HORIZONTAL
Job No : 02444TL
Mode : 5825 TX RSE
Note : 5G WIFI 11A

	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	1278.492	3.78	24.93	54.71	56.95	30.95	68.20	-37.25	peak
2	1511.833	4.06	26.85	54.78	57.95	34.08	74.00	-39.92	peak
3	3495.691	6.52	31.62	54.63	56.71	40.22	68.20	-27.98	peak
4	4379.699	7.11	34.64	54.26	54.16	41.65	74.00	-32.35	peak
5	11650.000	11.95	37.80	53.13	57.30	53.92	74.00	-20.08	peak
6	17475.000	14.86	43.40	52.66	54.30	59.90	68.20	-8.30	peak



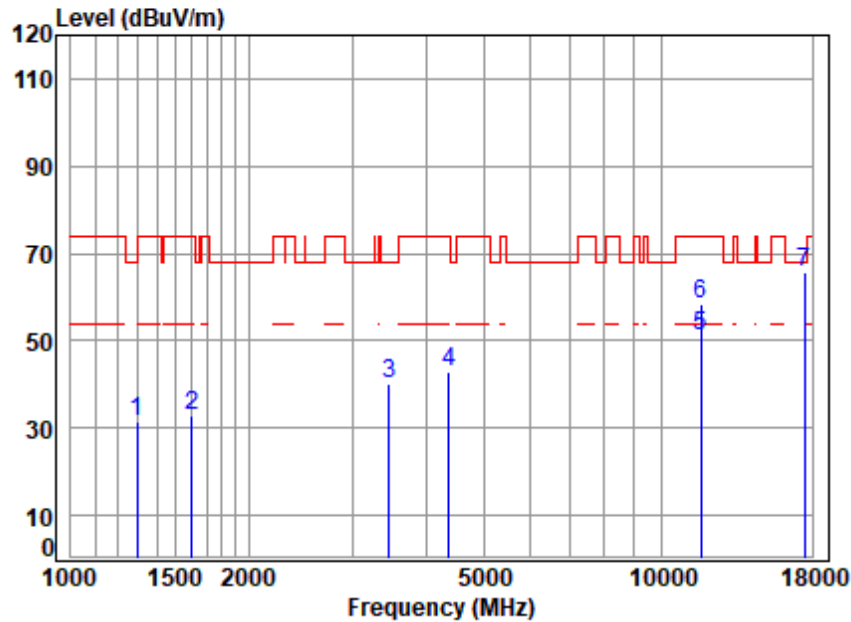
SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch Testing Laboratory

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

Test Mode: 04; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:High

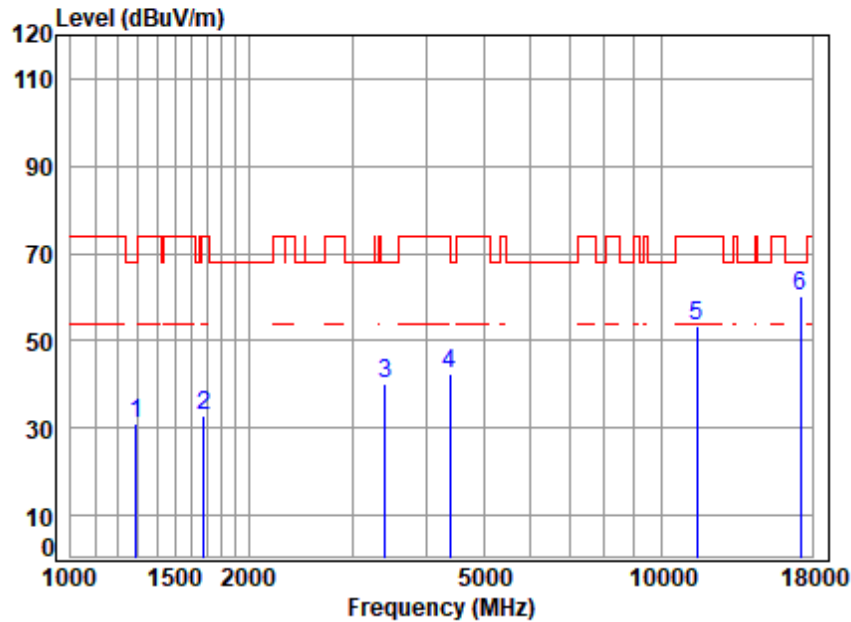


Site : chamber
Condition: 3m VERTICAL
Job No : 02444TL
Mode : 5825 TX RSE
Note : 5G WIFI 11A

	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	3.80	24.84	54.71	57.35	31.28	68.20	-36.92	peak
2	1601.804	4.19	26.78	54.80	56.78	32.95	74.00	-41.05	peak
3	3455.508	6.48	31.78	54.66	56.56	40.16	68.20	-28.04	peak
4	4367.058	7.10	34.54	54.26	55.34	42.72	74.00	-31.28	peak
5	q11650.000	11.95	37.80	53.13	54.39	51.01	54.00	-2.99	Average
6	11650.000	11.95	37.80	53.13	61.66	58.28	74.00	-15.72	peak
7	p17475.000	14.86	43.40	52.66	60.15	65.75	68.20	-2.45	peak



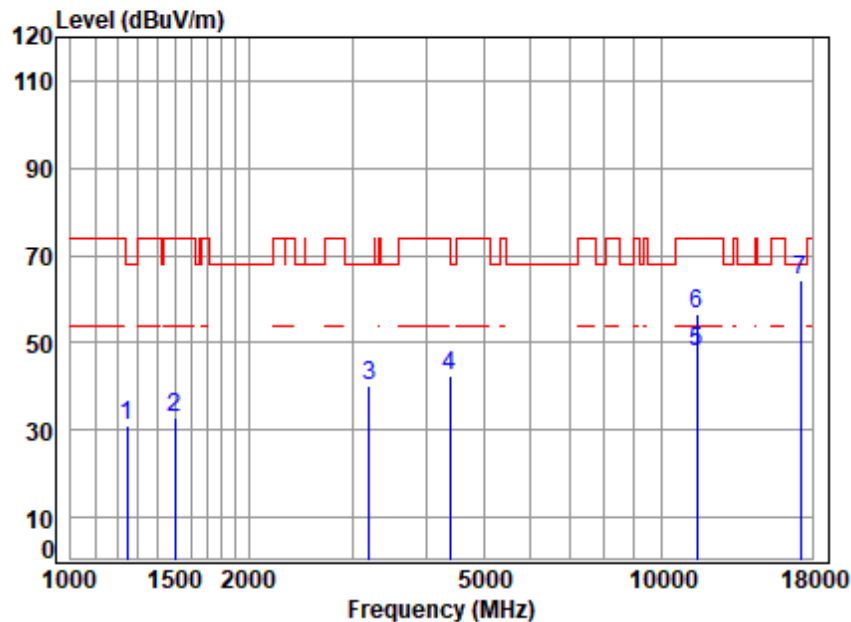
Test Mode: 04; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:20MHz; Channel:Low



Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 02444TL
 Mode : 5745 TX RSE
 Note : 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1289.627	3.80	24.86	54.71	56.91	30.86	68.20	-37.34	peak
2	1677.621	4.29	26.24	54.82	56.93	32.64	74.00	-41.36	peak
3	3405.929	6.44	32.33	54.69	55.92	40.00	68.20	-28.20	peak
4	4379.699	7.11	34.64	54.26	54.87	42.36	74.00	-31.64	peak
5	11490.000	11.94	37.79	53.10	56.75	53.38	74.00	-20.62	peak
6	17235.000	14.59	43.03	52.78	55.22	60.06	68.20	-8.14	peak

Test Mode: 04; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:Low



Site : chamber
Condition: 3m VERTICAL
Job No : 02444TL
Mode : 5745 TX RSE
Note : 5G WIFI 11AC20

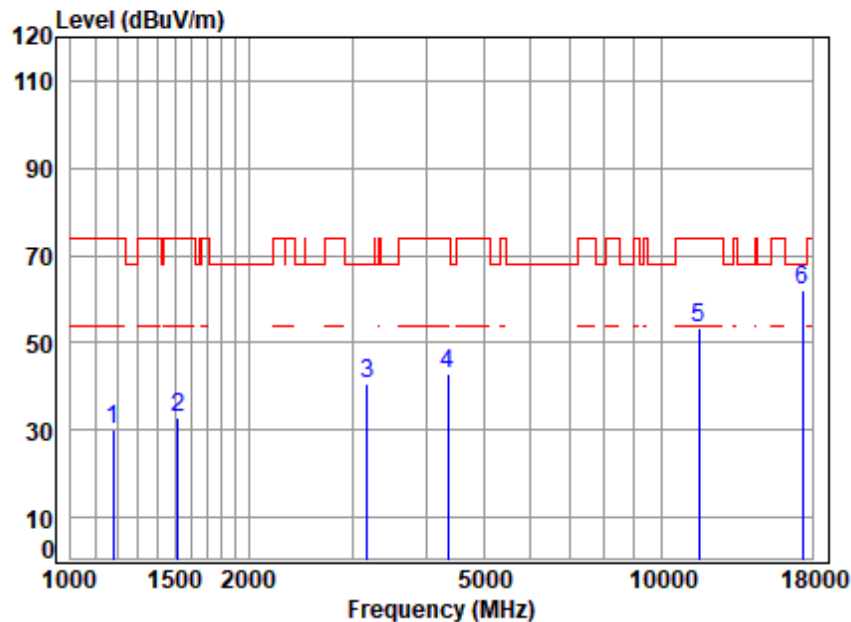
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1245.663	3.74	25.04	54.70	56.82	30.90	68.20	-37.30	peak
2	1498.781	4.04	26.77	54.78	56.88	32.91	74.00	-41.09	peak
3	3196.094	6.25	32.87	54.85	56.08	40.35	68.20	-27.85	peak
4	4379.699	7.11	34.64	54.26	54.95	42.44	74.00	-31.56	peak
5	q11490.000	11.94	37.79	53.10	51.22	47.85	54.00	-6.15	Average
6	11490.000	11.94	37.79	53.10	59.83	56.46	74.00	-17.54	peak
7	p17235.000	14.59	43.03	52.78	59.66	64.50	68.20	-3.70	peak



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Test Mode: 04; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:20MHz; Channel:middle

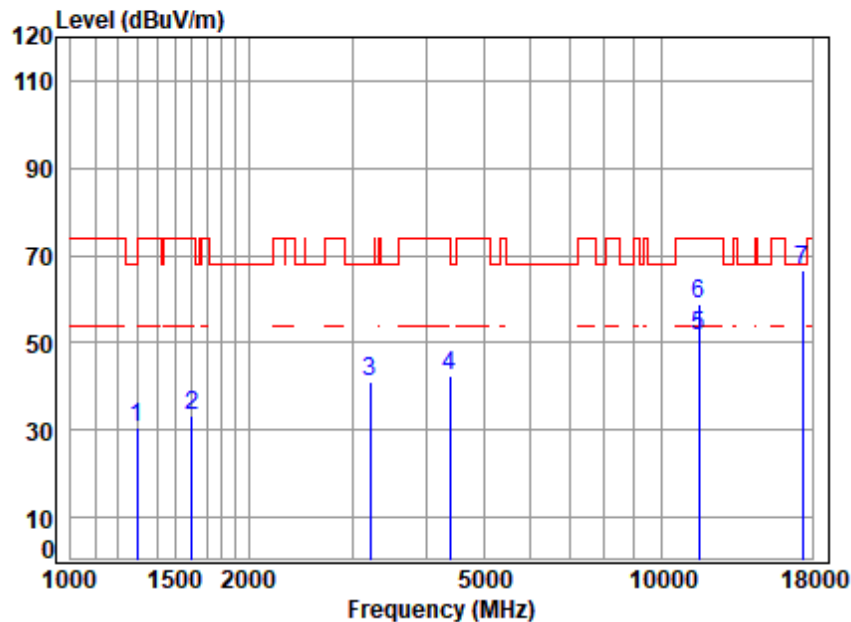


Site : chamber
Condition: 3m HORIZONTAL
Job No : 02444TL
Mode : 5785 TX RSE
Note : 5G WIFI 11AC20

	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	1179.100	3.65	24.19	54.67	57.10	30.27	74.00	-43.73	peak
2	1516.210	4.06	26.86	54.78	56.59	32.73	74.00	-41.27	peak
3	3177.672	6.24	32.72	54.86	56.44	40.54	68.20	-27.66	peak
4	4354.454	7.08	34.44	54.26	55.46	42.72	74.00	-31.28	peak
5	11570.000	11.95	37.73	53.12	56.81	53.37	74.00	-20.63	peak
6	17355.000	14.73	43.26	52.72	56.94	62.21	68.20	-5.99	peak



Test Mode: 04; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:middle

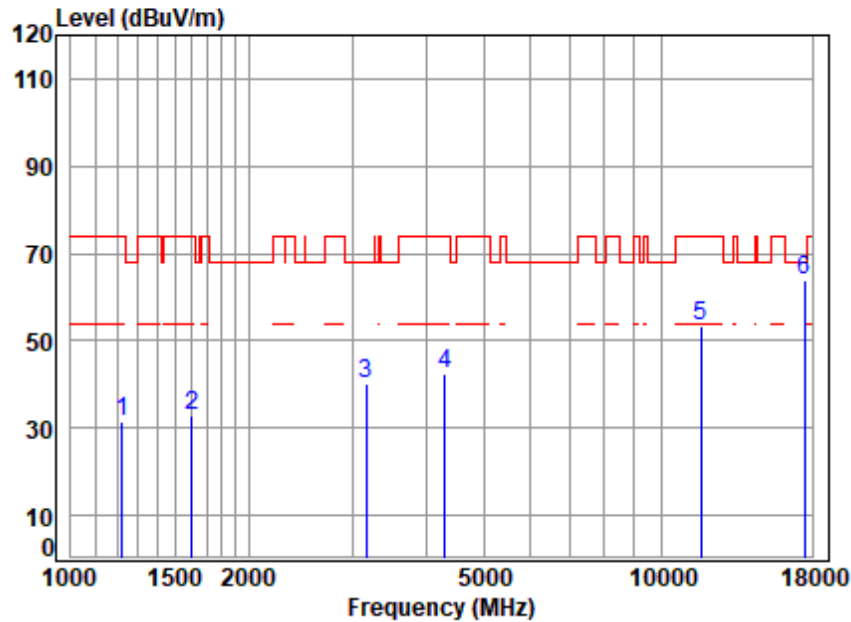


Site : chamber
Condition: 3m VERTICAL
Job No : 02444TL
Mode : 5785 TX RSE
Note : 5G WIFI 11AC20

	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	3.81	24.82	54.71	56.86	30.78	68.20	-37.42	peak
2	1606.441	4.19	26.74	54.81	57.10	33.22	74.00	-40.78	peak
3	3214.623	6.27	32.67	54.83	57.18	41.29	68.20	-26.91	peak
4	4379.699	7.11	34.64	54.26	54.84	42.33	74.00	-31.67	peak
5	q11570.000	11.95	37.73	53.12	54.88	51.44	54.00	-2.56	Average
6	11570.000	11.95	37.73	53.12	62.38	58.94	74.00	-15.06	peak
7	p17355.000	14.73	43.26	52.72	61.29	66.56	68.20	-1.64	peak



Test Mode: 04; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:20MHz; Channel:High

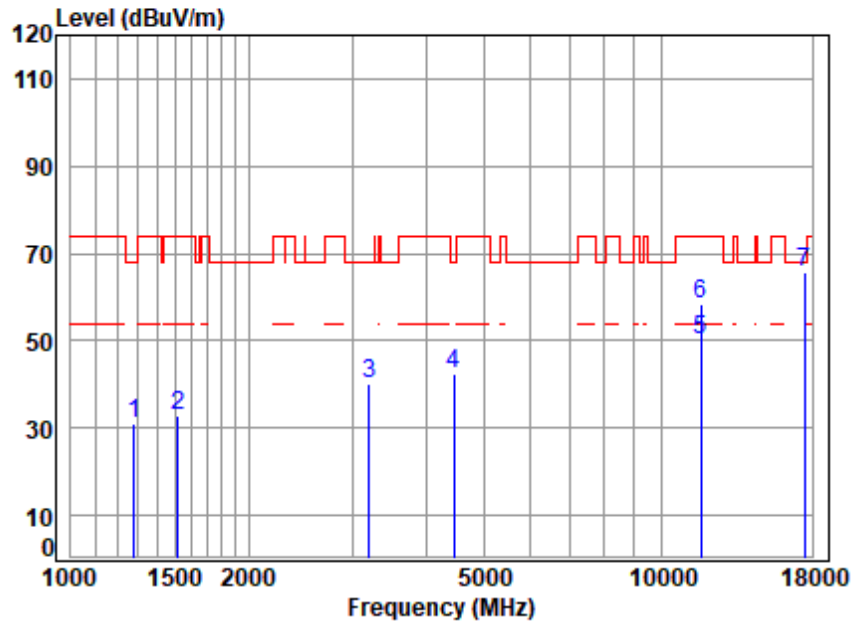


Site : chamber
Condition: 3m HORIZONTAL
Job No : 02444TL
Mode : 5825 TX RSE
Note : 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1224.247	3.71	24.74	54.69	57.66	31.42	74.00	-42.58	peak
2	1606.441	4.19	26.74	54.81	56.58	32.70	74.00	-41.30	peak
3	3168.500	6.23	32.65	54.87	56.22	40.23	68.20	-27.97	peak
4	4304.400	7.02	34.04	54.27	55.61	42.40	74.00	-31.60	peak
5	11650.000	11.95	37.80	53.13	56.64	53.26	74.00	-20.74	peak
6	p17475.000	14.86	43.40	52.66	58.15	63.75	68.20	-4.45	peak



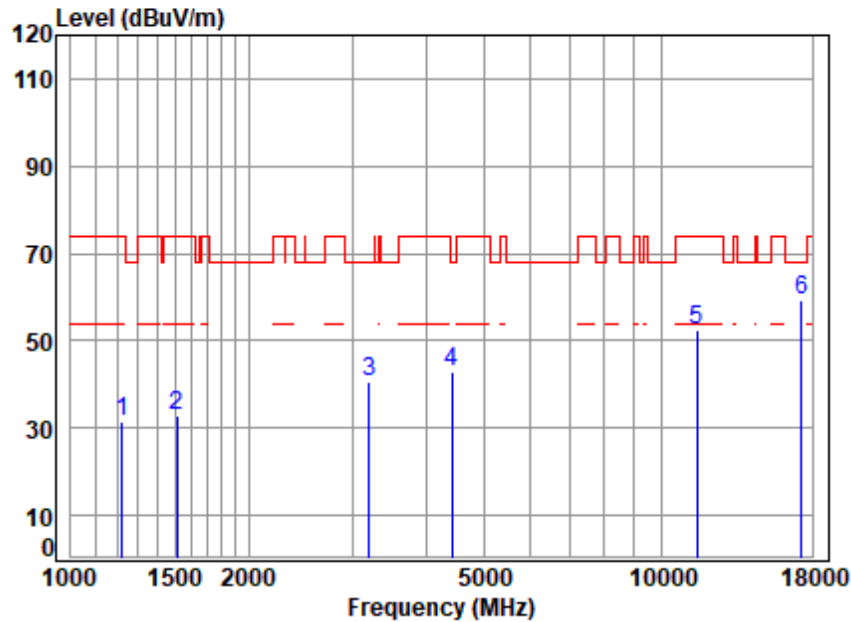
Test Mode: 04; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:High



Site : chamber
Condition: 3m VERTICAL
Job No : 02444TL
Mode : 5825 TX RSE
Note : 5G WIFI 11AC20

	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	1278.492	3.78	24.93	54.71	56.92	30.92	68.20	-37.28	peak
2	1516.210	4.06	26.86	54.78	56.62	32.76	74.00	-41.24	peak
3	3205.345	6.26	32.81	54.84	56.08	40.31	68.20	-27.89	peak
4	4456.315	7.20	34.12	54.25	55.36	42.43	68.20	-25.77	peak
5	q11650.000	11.95	37.80	53.13	53.68	50.30	54.00	-3.70	Average
6	11650.000	11.95	37.80	53.13	61.56	58.18	74.00	-15.82	peak
7	p17475.000	14.86	43.40	52.66	60.13	65.73	68.20	-2.47	peak

Test Mode: 04; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:40MHz; Channel:Low

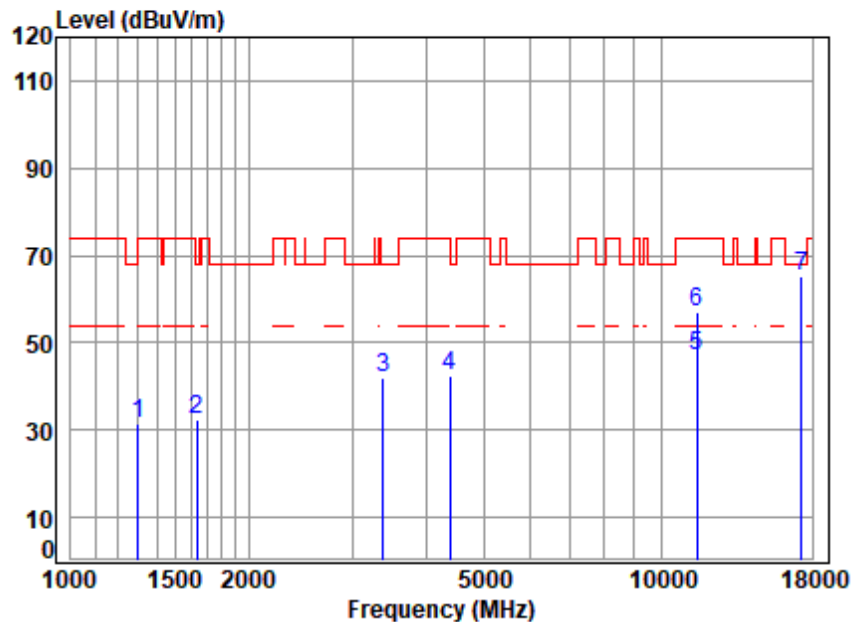


Site : chamber
Condition: 3m HORIZONTAL
Job No : 02444TL
Mode : 5755 TX RSE
Note : 5G WIFI 11AC40

	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	3.71	24.69	54.69	57.56	31.27	74.00	-42.73	peak
2	1511.833	4.06	26.85	54.78	56.90	33.03	74.00	-40.97	peak
3	3196.094	6.25	32.87	54.85	56.21	40.48	68.20	-27.72	peak
4	4417.841	7.16	34.59	54.26	55.38	42.87	68.20	-25.33	peak
5	11510.000	11.95	37.79	53.10	56.00	52.64	74.00	-21.36	peak
6	17265.000	14.62	43.06	52.76	54.49	59.41	68.20	-8.79	peak



Test Mode: 04; Polarity: Vertical; Modulation:802.11ac; Bandwidth:40MHz; Channel:Low

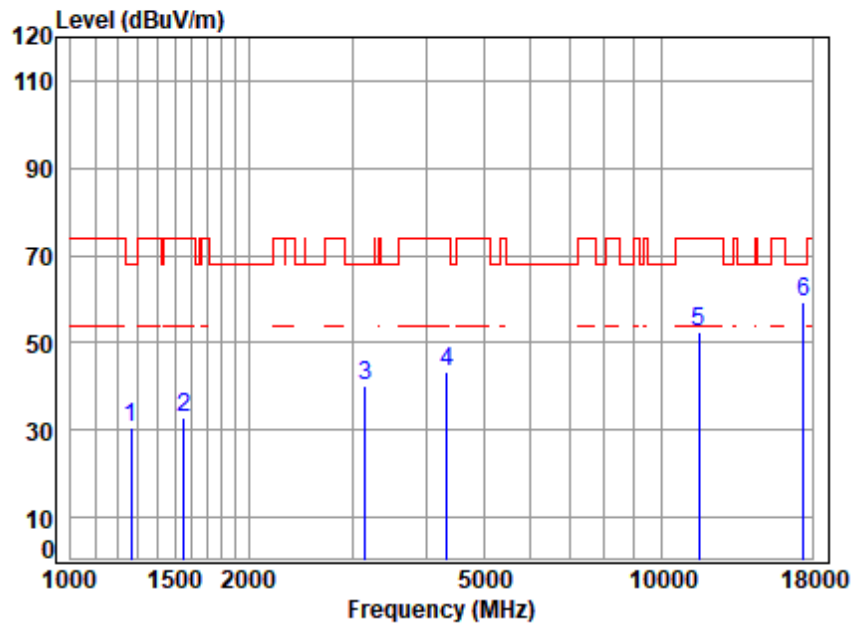


Site : chamber
Condition: 3m VERTICAL
Job No : 02444TL
Mode : 5755 TX RSE
Note : 5G WIFI 11AC40

	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	3.81	24.79	54.71	57.48	31.37	74.00	-42.63	peak
2	1634.543	4.23	26.45	54.81	56.49	32.36	68.20	-35.84	peak
3	3386.297	6.42	32.32	54.71	57.73	41.76	68.20	-26.44	peak
4	4379.699	7.11	34.64	54.26	54.83	42.32	74.00	-31.68	peak
5	q11510.000	11.95	37.79	53.10	50.39	47.03	54.00	-6.97	Average
6	11510.000	11.95	37.79	53.10	60.58	57.22	74.00	-16.78	peak
7	p17265.000	14.62	43.06	52.76	60.22	65.14	68.20	-3.06	peak



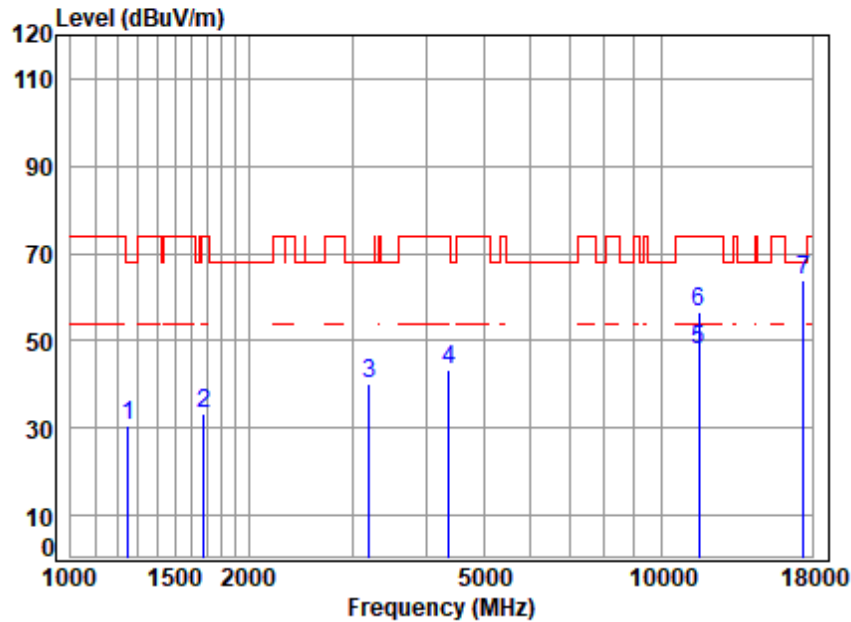
Test Mode: 04; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:40MHz; Channel:High



Site : chamber
Condition: 3m HORIZONTAL
Job No : 02444TL
Mode : 5795 TX RSE
Note : 5G WIFI 11AC40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1267.454	3.77	25.00	54.70	56.61	30.68	68.20	-37.52	peak
2	1551.677	4.12	26.99	54.79	56.39	32.71	74.00	-41.29	peak
3	3150.237	6.21	32.50	54.88	56.26	40.09	68.20	-28.11	peak
4	4341.886	7.07	34.34	54.26	56.09	43.24	74.00	-30.76	peak
5	11590.000	11.95	37.71	53.12	55.77	52.31	74.00	-21.69	peak
6	p17385.000	14.76	43.35	52.70	53.79	59.20	68.20	-9.00	peak

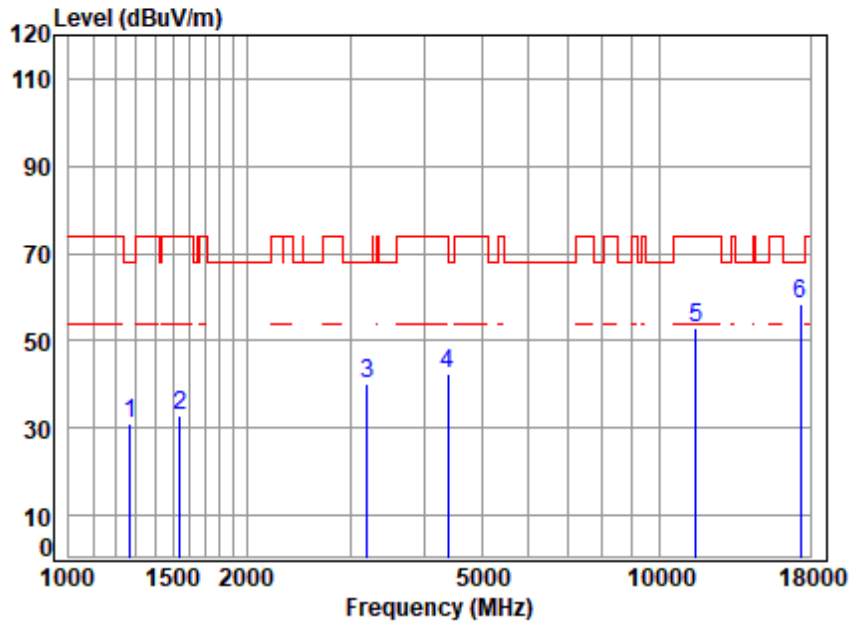
Test Mode: 04; Polarity: Vertical; Modulation:802.11ac; Bandwidth:40MHz; Channel:High



Site : chamber
Condition: 3m VERTICAL
Job No : 02444TL
Mode : 5795 TX RSE
Note : 5G WIFI 11AC40

	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	3.75	25.08	54.70	56.56	30.69	68.20	-37.51	peak
2	1677.621	4.29	26.24	54.82	57.59	33.30	74.00	-40.70	peak
3	3205.345	6.26	32.81	54.84	56.09	40.32	68.20	-27.88	peak
4	4367.058	7.10	34.54	54.26	55.74	43.12	74.00	-30.88	peak
5	q11590.000	11.95	37.71	53.12	51.27	47.81	54.00	-6.19	Average
6	11590.000	11.95	37.71	53.12	60.19	56.73	74.00	-17.27	peak
7	p17385.000	14.76	43.35	52.70	58.37	63.78	68.20	-4.42	peak

Test Mode: 04; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:80MHz; Channel:middle

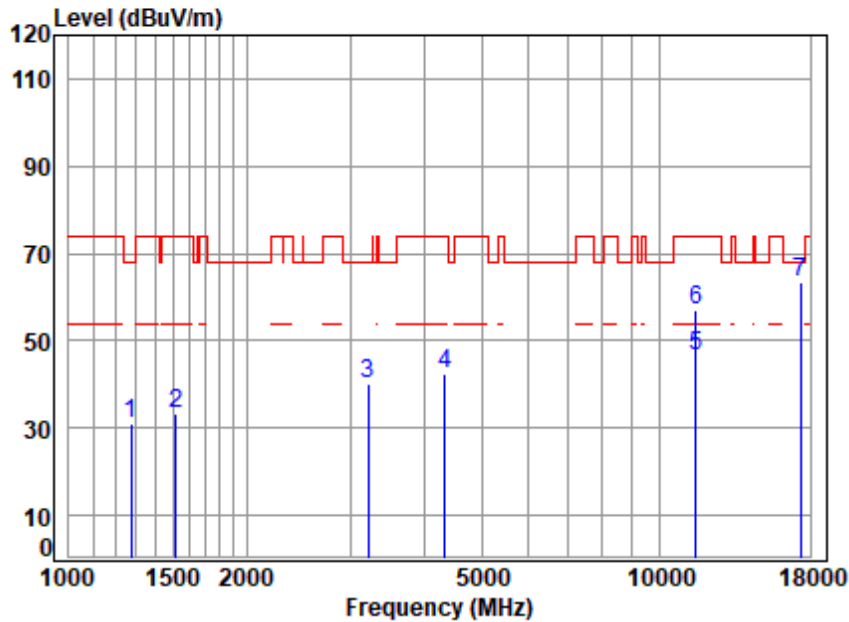


Site : chamber
Condition: 3m HORIZONTAL
Job No : 02444TL
Mode : 5775 TX RSE
Note : 5G WIFI 11AC80

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1271.123	3.77	24.97	54.70	56.78	30.82	68.20	-37.38	peak
2	1542.733	4.10	26.97	54.79	56.47	32.75	74.00	-41.25	peak
3	3196.094	6.25	32.87	54.85	55.89	40.16	68.20	-28.04	peak
4	4379.699	7.11	34.64	54.26	54.73	42.22	74.00	-31.78	peak
5	11550.000	11.95	37.75	53.11	56.24	52.83	74.00	-21.17	peak
6	p17325.000	14.69	43.17	52.73	53.08	58.21	68.20	-9.99	peak



Test Mode: 04; Polarity: Vertical; Modulation:802.11ac; Bandwidth:80MHz; Channel:middle



Site : chamber
Condition: 3m VERTICAL
Job No : 02444TL
Mode : 5775 TX RSE
Note : 5G WIFI 11AC80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1274.802	3.78	24.95	54.71	56.93	30.95	68.20	-37.25	peak
2	1520.598	4.07	26.88	54.78	56.97	33.14	74.00	-40.86	peak
3	3214.623	6.27	32.67	54.83	55.96	40.07	68.20	-28.13	peak
4	4341.886	7.07	34.34	54.26	55.13	42.28	74.00	-31.72	peak
5	q11550.000	11.95	37.75	53.11	50.14	46.73	54.00	-7.27	Average
6	11550.000	11.95	37.75	53.11	60.34	56.93	74.00	-17.07	peak
7	p17325.000	14.69	43.17	52.73	58.15	63.28	68.20	-4.92	peak

7.5 Radiated Emissions which fall in the restricted bands

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

Test Method: ANSI C63.10 (2013) Section 6.10.5

Measurement Distance: 3m

Limit:

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

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

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

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

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

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

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

7.5.1 E.U.T. Operation

Operating Environment:

Temperature: 23.5 °C

Humidity: 56.3 % RH

Atmospheric Pressure: 1020 mbar



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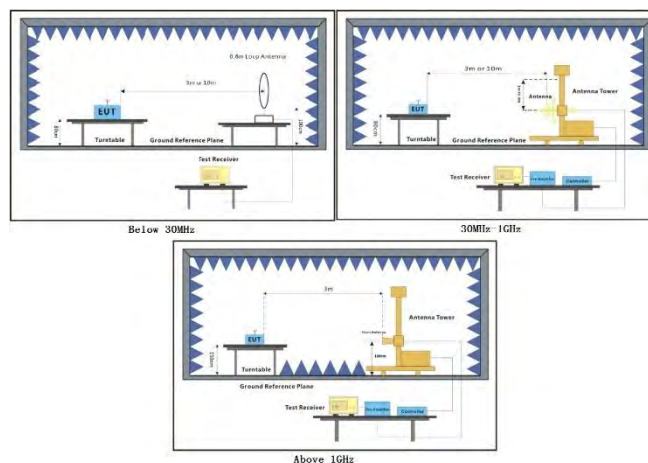
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Shenzhen Branch Testing Laboratory

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7.5.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	01	TX mode (U-NII-1) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac 20/40/80, Only the data of worst case is recorded in the report.
Final test	02	TX mode (U-NII-2A) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac 20/40/80, Only the data of worst case is recorded in the report.
Final test	03	TX mode (U-NII-2C) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac 20/40/80, Only the data of worst case is recorded in the report.
Final test	04	TX mode (U-NII-3) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac 20/40/80, Only the data of worst case is recorded in the report.

7.5.3 Test Setup Diagram



7.5.4 Measurement Procedure and Data

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

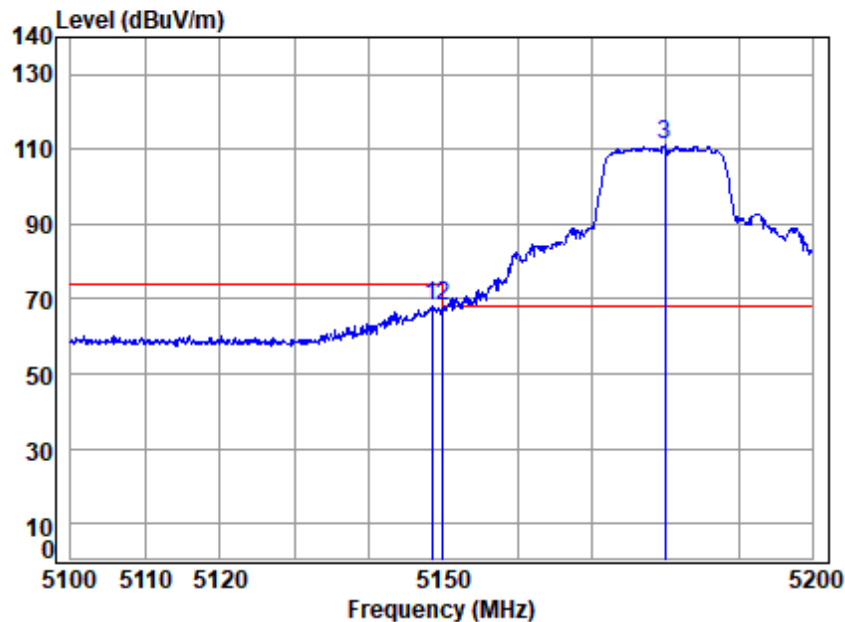
Remark 1: Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor

Remark 2. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is 3MHz for Peak detection (PK) and Average detection (AV) at frequency above 1GHz.

Remark 3. For fundamental and harmonic signal measurement, the resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is $\geq 1/T$ (Duty cycle $< 98\%$) or 10Hz (Duty cycle $\geq 98\%$) for Average detection (AV) at frequency above 1GHz.



Test Mode: 01; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 02444TL
Mode : 5180 Band edge
: 5G WIFI 11A

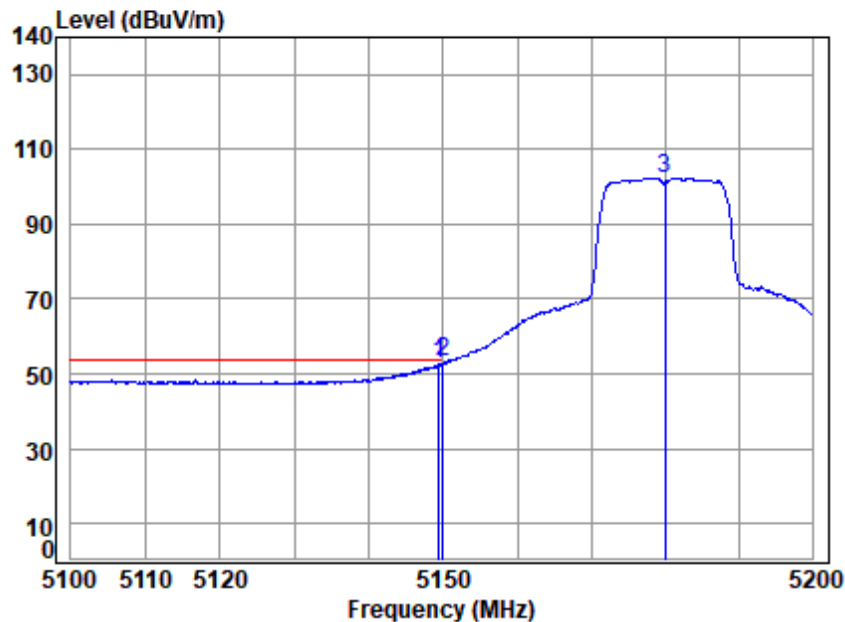
		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5148.458	18.83	33.90	31.28	46.93	68.38	74.00	-5.62	peak
2	5149.980	18.83	33.90	31.28	46.83	68.28	74.00	-5.72	peak
3 p	5180.000	18.88	33.96	31.30	89.54	111.08	68.20	42.88	peak



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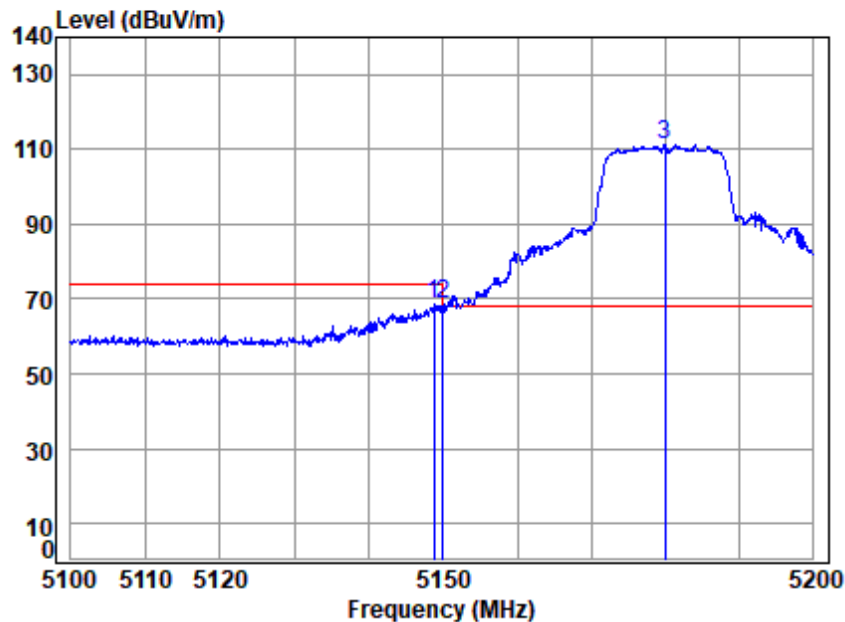
Test Mode: 01; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 02444TL
Mode : 5180 Band edge
: 5G WIFI 11A

		Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5149.458	18.83	33.90	31.28	31.09	52.54	54.00	-1.46 Average
2 q	5149.980	18.83	33.90	31.28	31.53	52.98	54.00	-1.02 Average
3	5180.000	18.88	33.96	31.30	80.80	102.34	-----	----- Average

Test Mode: 01; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Site : chamber
Condition: 3m VERTICAL
Job No : 02444TL
Mode : 5180 Band edge
: 5G WIFI 11A

		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5148.757	18.83	33.90	31.28	47.23	68.68	74.00	-5.32 Peak
2	5149.980	18.83	33.90	31.28	47.22	68.67	74.00	-5.33 Peak
3 p	5180.000	18.88	33.96	31.30	89.57	111.11	68.20	42.91 Peak



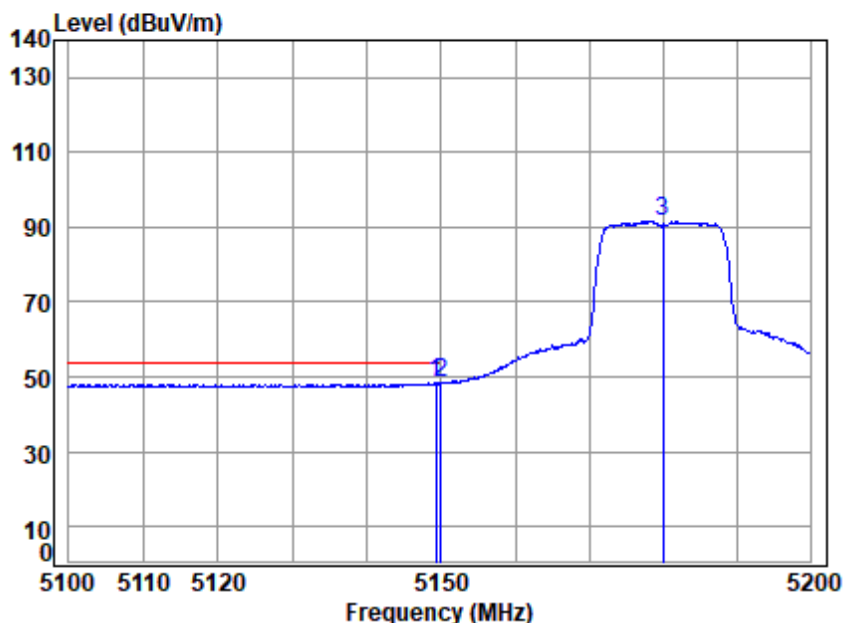
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Test Mode: 01; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low

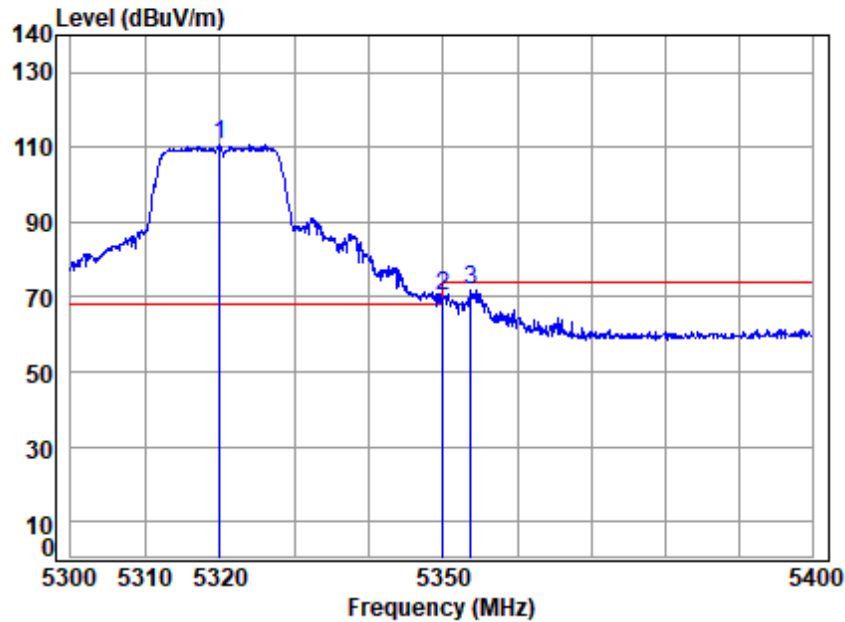


Site : chamber
Condition: 3m VERTICAL
Job No : 02444TL
Mode : 5180 Band edge
: 5G WIFI 11A

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5149.257	18.83	33.90	31.28	26.92	48.37	54.00	-5.63	Average
2 q	5149.980	18.83	33.90	31.28	26.95	48.40	54.00	-5.60	Average
3	5180.000	18.88	33.96	31.30	69.97	91.51	-----	-----	Average



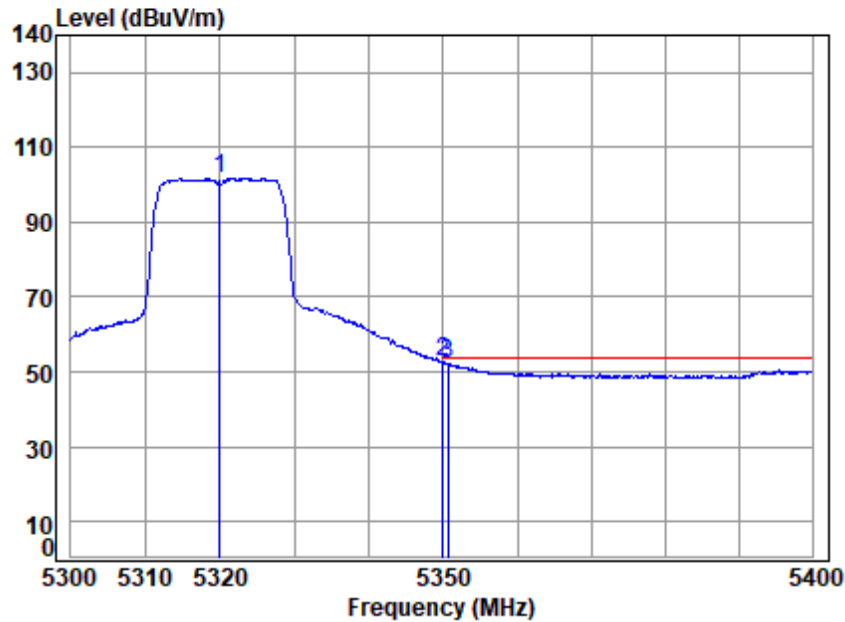
Test Mode: 02; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Site : chamber
Condition: 3m HORIZONTAL
Job No : 02444TL
Mode : 5320 Band edge
: 5G WIFI 11A

		Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 p 5320.000	19.07	34.28	31.37	88.86	110.84	68.20	42.64	peak
2 5350.020	19.11	34.40	31.39	48.39	70.51	74.00	-3.49	peak
3 5353.667	19.11	34.41	31.39	49.61	71.74	74.00	-2.26	peak

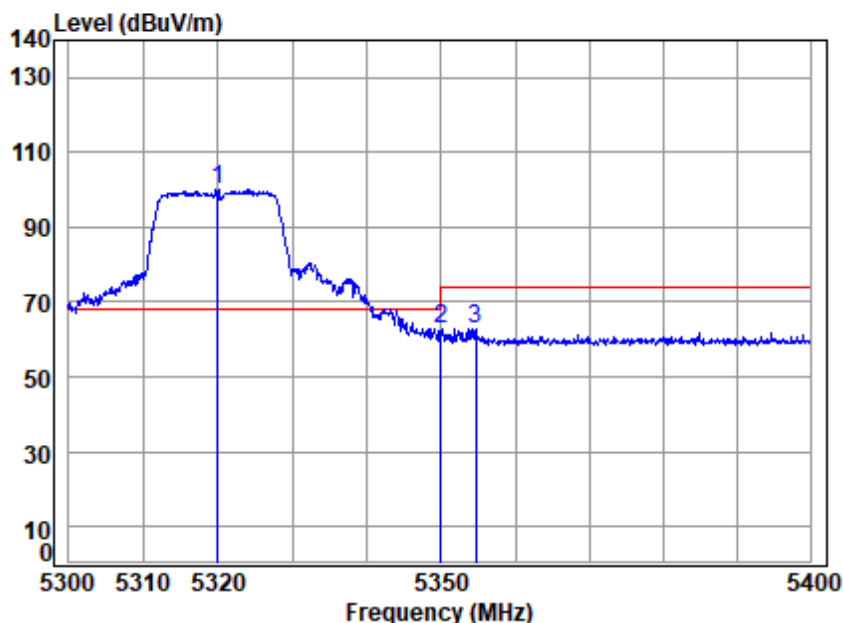
Test Mode: 02; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Site : chamber
Condition: 3m HORIZONTAL
Job No : 02444TL
Mode : 5320 Band edge
: 5G WIFI 11A

		Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 5320.000	19.07	34.28	31.37	79.79	101.77	-----	-----	Average
2 q 5350.020	19.11	34.40	31.39	30.49	52.61	54.00	-1.39	Average
3 5350.667	19.11	34.40	31.39	29.98	52.10	54.00	-1.90	Average

Test Mode: 02; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Site : chamber

Condition: 3m VERTICAL

Job No : 02444TL

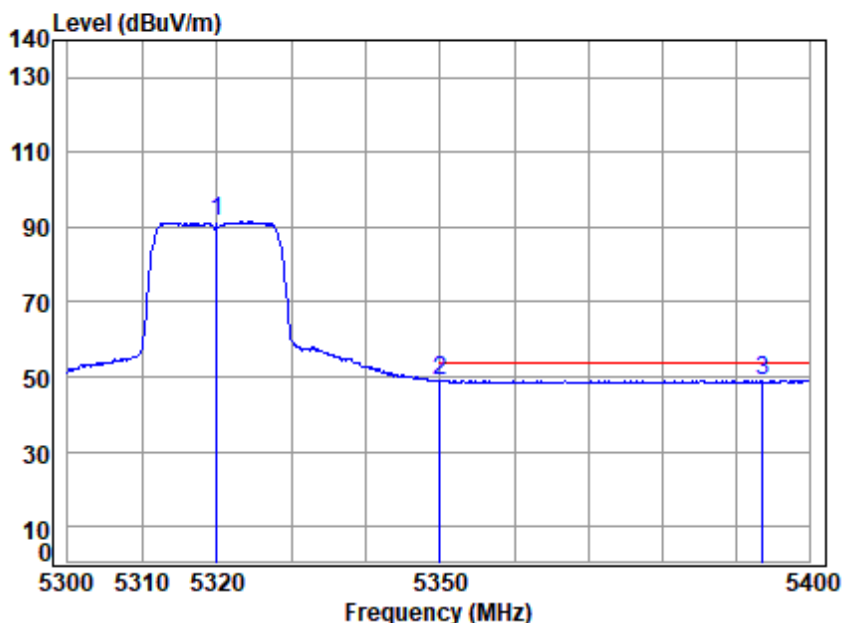
Mode : 5320 Band edge

: 5G WIFI 11A

		Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 p 5320.000	19.07	34.28	31.37	78.36	100.34	68.20	32.14	Peak
2 5350.020	19.11	34.40	31.39	40.58	62.70	74.00	-11.30	Peak
3 5354.668	19.12	34.42	31.39	40.81	62.96	74.00	-11.04	Peak



Test Mode: 02; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Site : chamber

Condition: 3m VERTICAL

Job No : 02444TL

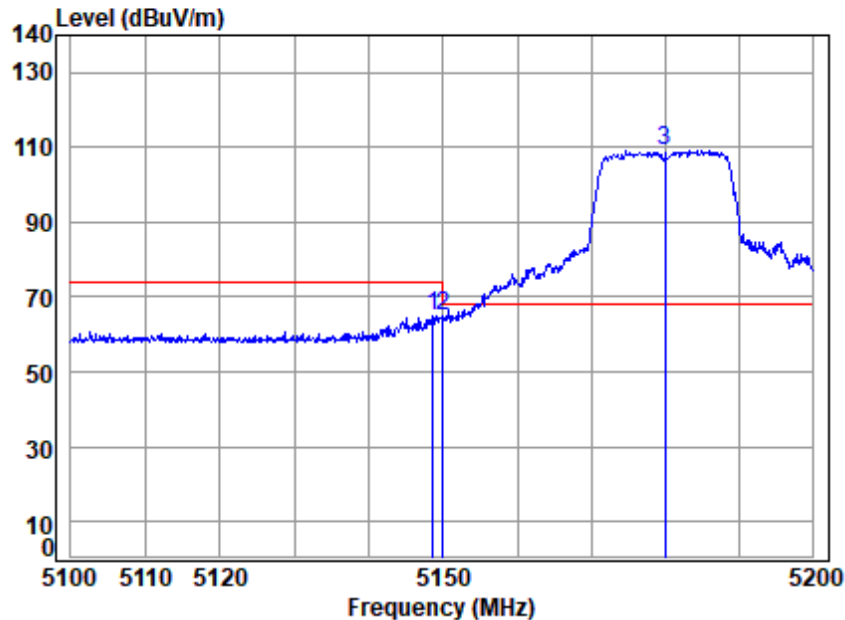
Mode : 5320 Band edge

: 5G WIFI 11A

		Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 5320.000	19.07	34.28	31.37	69.71	91.69	-----	-----	Average
2 q 5350.020	19.11	34.40	31.39	27.10	49.22	54.00	-4.78	Average
3 5393.746	19.17	34.57	31.41	26.85	49.18	54.00	-4.82	Average



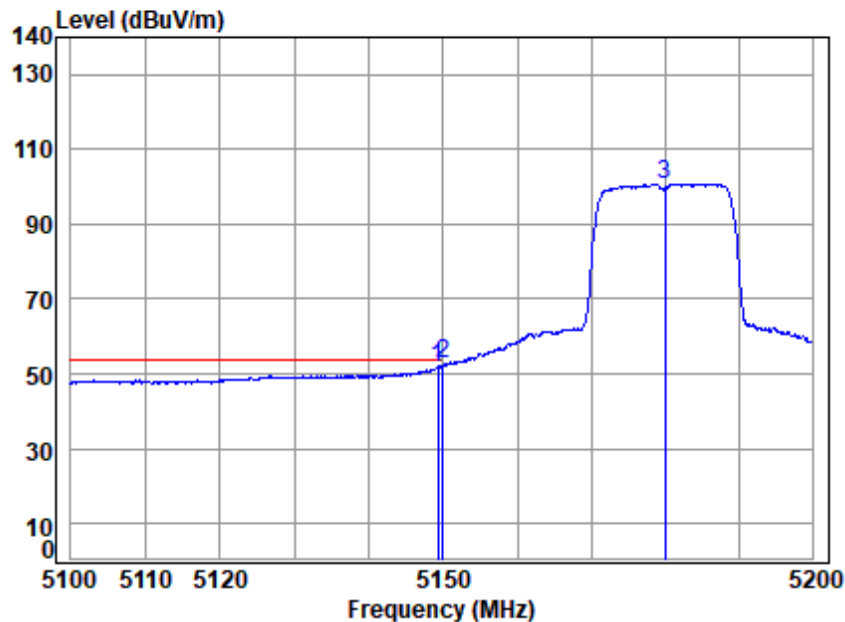
Test Mode: 01; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 02444TL
Mode : 5180 Band edge
: 5G WIFI 11N20

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5148.657	18.83	33.90	31.28	43.48	64.93	74.00	-9.07	peak
2	5149.980	18.83	33.90	31.28	43.41	64.86	74.00	-9.14	peak
3 p	5180.000	18.88	33.96	31.30	87.61	109.15	68.20	40.95	peak

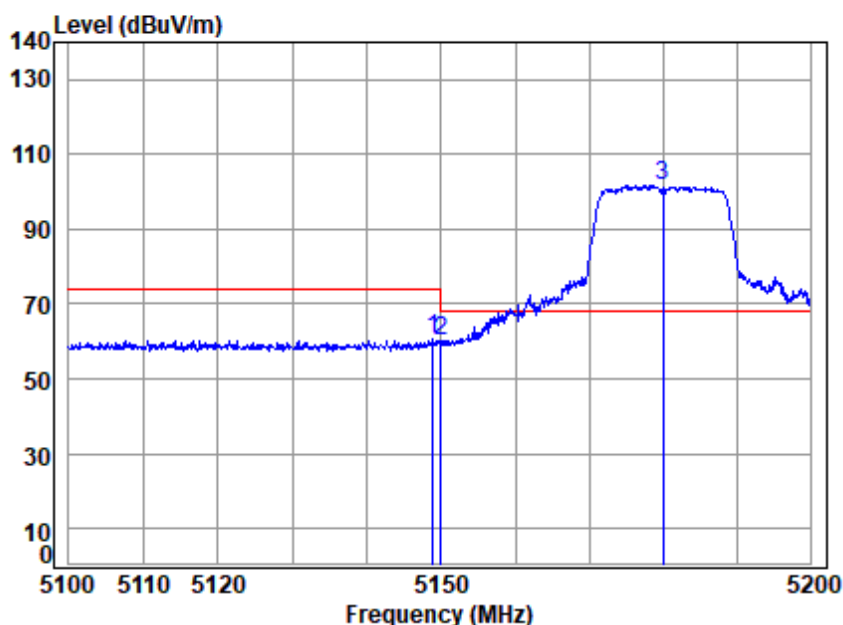
Test Mode: 01; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 02444TL
Mode : 5180 Band edge
: 5G WIFI 11N20

		Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5149.257	18.83	33.90	31.28	30.36	51.81	54.00	-2.19 Average
2 q	5149.980	18.83	33.90	31.28	30.98	52.43	54.00	-1.57 Average
3	5180.000	18.88	33.96	31.30	79.28	100.82	-----	----- Average

Test Mode: 01; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:Low

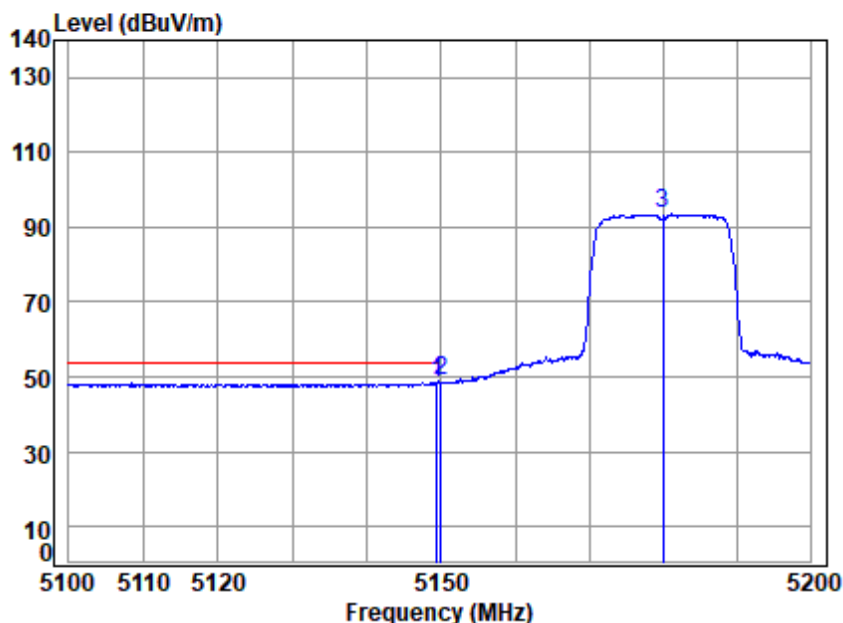


Site : chamber
Condition: 3m VERTICAL
Job No : 02444TL
Mode : 5180 Band edge
: 5G WIFI 11N20

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5148.857	18.83	33.90	31.28	39.30	60.75	74.00	-13.25	Peak
2	5149.980	18.83	33.90	31.28	38.78	60.23	74.00	-13.77	Peak
3 p	5180.000	18.88	33.96	31.30	80.33	101.87	68.20	33.67	Peak



Test Mode: 01; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:Low

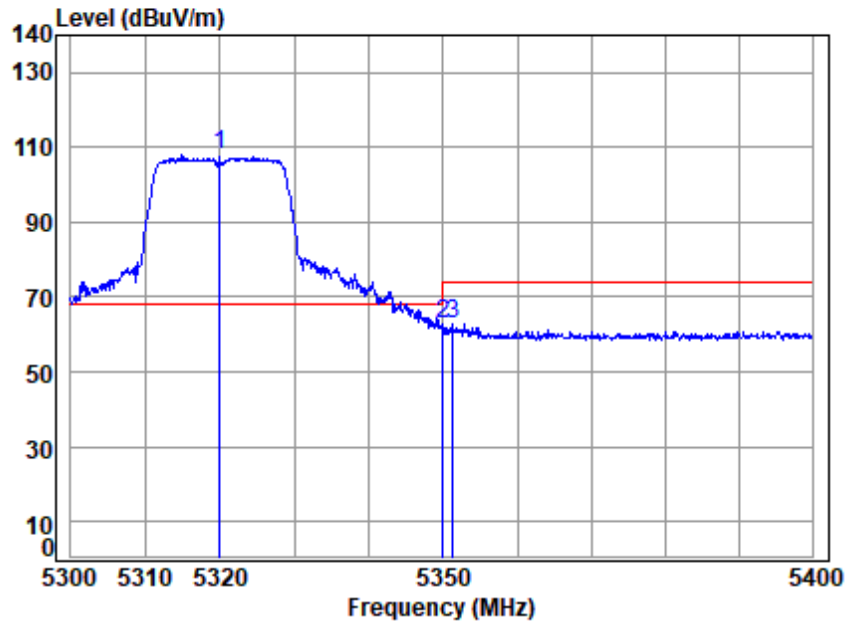


Site : chamber
Condition: 3m VERTICAL
Job No : 02444TL
Mode : 5180 Band edge
: 5G WIFI 11N20

		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5149.458	18.83	33.90	31.28	27.14	48.59	54.00	-5.41 Average
2 q	5149.980	18.83	33.90	31.28	27.33	48.78	54.00	-5.22 Average
3	5180.000	18.88	33.96	31.30	71.96	93.50	-----	----- Average



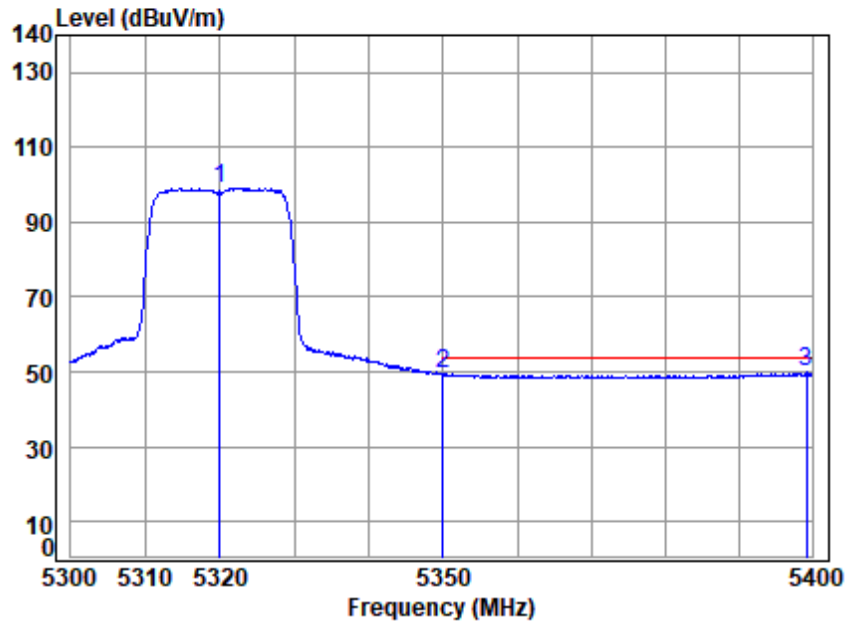
Test Mode: 02; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:High



Site : chamber
Condition: 3m HORIZONTAL
Job No : 02444TL
Mode : 5320 Band edge
: 5G WIFI 11N20

		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 p	5320.000	19.07	34.28	31.37	86.00	107.98	68.20	39.78 peak
2	5350.020	19.11	34.40	31.39	40.68	62.80	74.00	-11.20 peak
3	5351.367	19.11	34.41	31.39	40.77	62.90	74.00	-11.10 peak

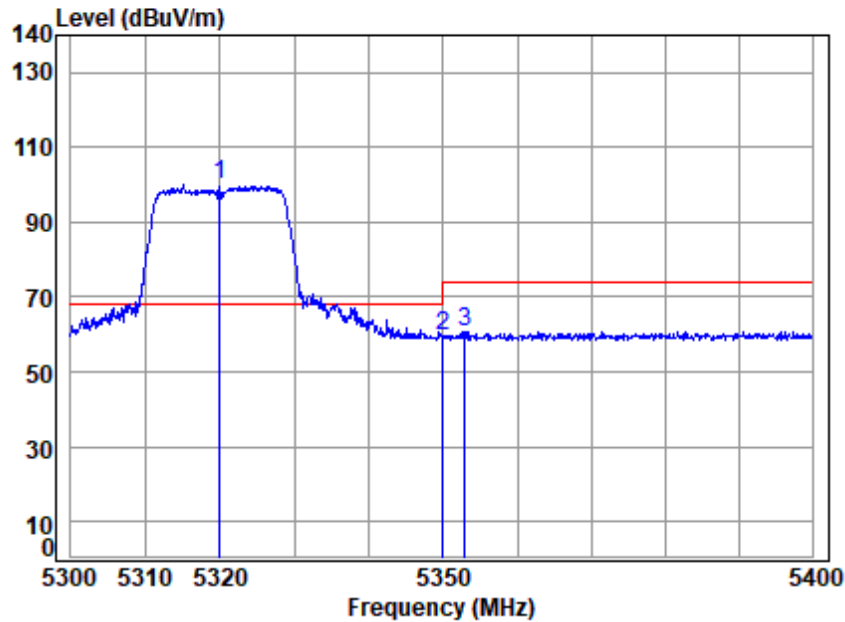
Test Mode: 02; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:High



Site : chamber
Condition: 3m HORIZONTAL
Job No : 02444TL
Mode : 5320 Band edge
: 5G WIFI 11N20

		Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 5320.000	19.07	34.28	31.37	77.12	99.10	-----	-----	Average
2 5350.020	19.11	34.40	31.39	27.22	49.34	54.00	-4.66	Average
3 q 5399.192	19.18	34.60	31.41	27.52	49.89	54.00	-4.11	Average

Test Mode: 02; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:High



Site : chamber

Condition: 3m VERTICAL

Job No : 02444TL

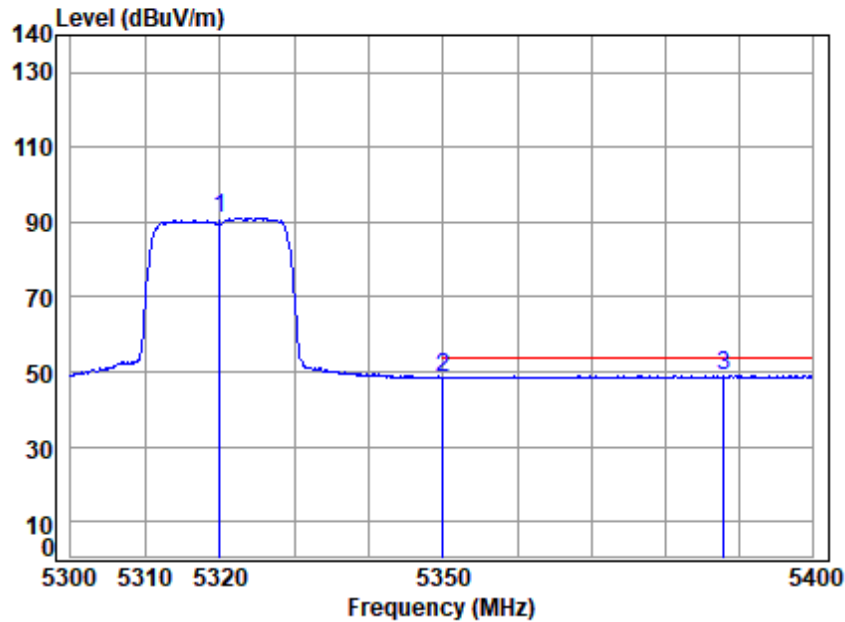
Mode : 5320 Band edge

: 5G WIFI 11N20

		Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 p 5320.000	19.07	34.28	31.37	77.84	99.82	68.20	31.62	Peak
2 5350.020	19.11	34.40	31.39	37.52	59.64	74.00	-14.36	Peak
3 5352.967	19.11	34.41	31.39	38.58	60.71	74.00	-13.29	Peak



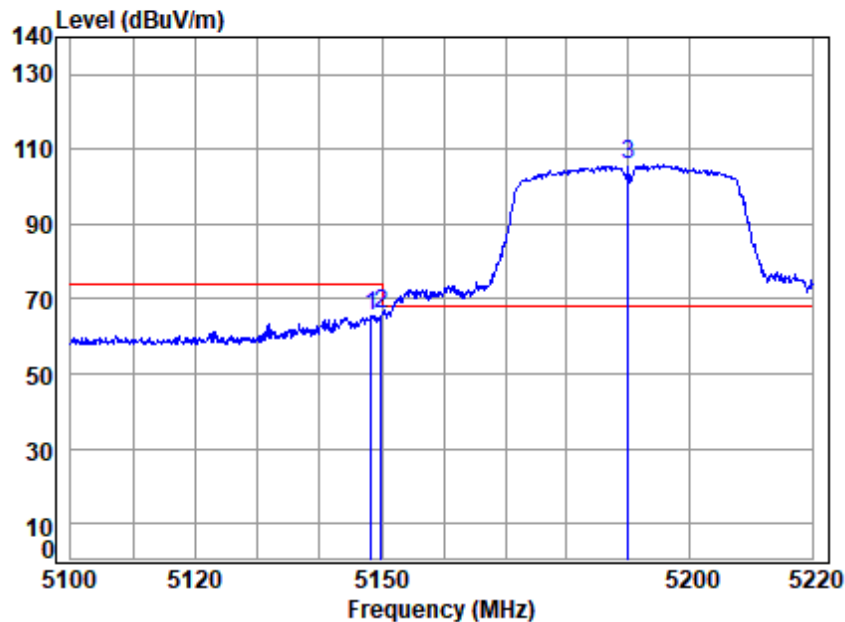
Test Mode: 02; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:High



Site : chamber
Condition: 3m VERTICAL
Job No : 02444TL
Mode : 5320 Band edge
: 5G WIFI 11N20

		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5320.000	19.07	34.28	31.37	69.25	91.23	-----	----- Average
2	5350.020	19.11	34.40	31.39	26.45	48.57	54.00	-5.43 Average
3 q	5388.002	19.16	34.55	31.40	26.70	49.01	54.00	-4.99 Average

Test Mode: 01; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 02444TL
Mode : 5190 Band edge
: 5G WIFI 11N40

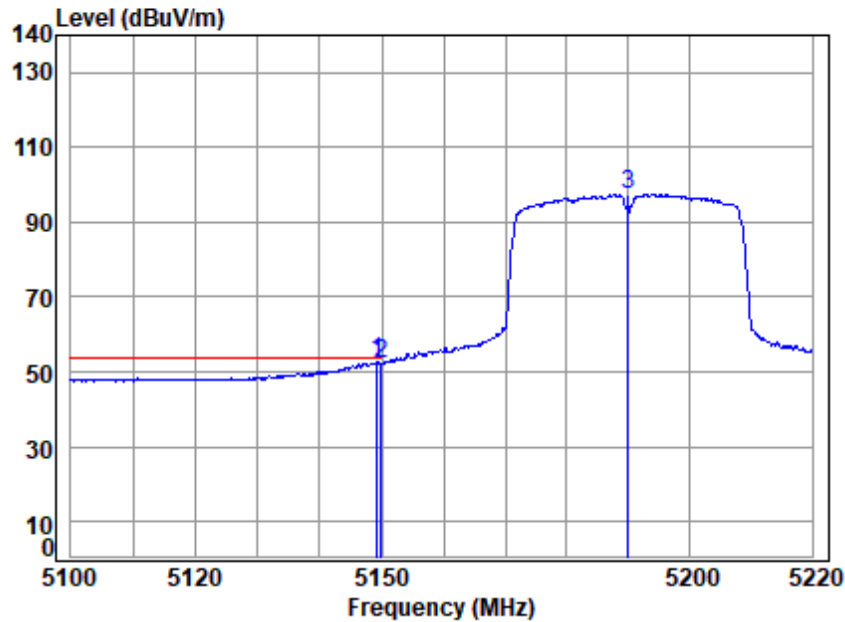
		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5148.264	18.83	33.90	31.28	44.15	65.60	74.00	-8.40	peak
2	5149.980	18.83	33.90	31.28	44.73	66.18	74.00	-7.82	peak
3 p	5190.000	18.89	33.98	31.30	84.34	105.91	68.20	37.71	peak



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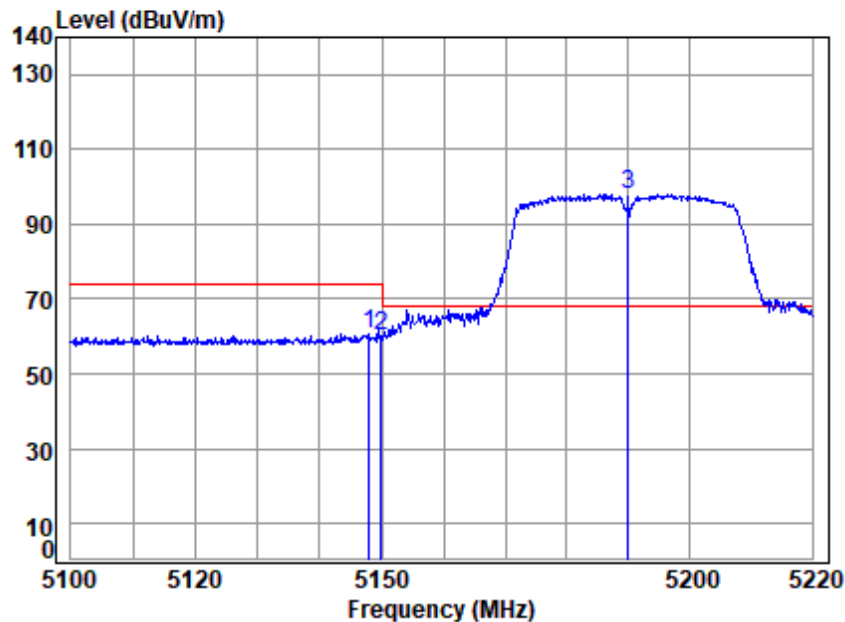
Test Mode: 01; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 02444TL
Mode : 5190 Band edge
: 5G WIFI 11N40

		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 q	5149.342	18.83	33.90	31.28	31.09	52.54	54.00	-1.46 Average
2	5149.980	18.83	33.90	31.28	30.93	52.38	54.00	-1.62 Average
3	5190.000	18.89	33.98	31.30	75.85	97.42	-----	----- Average

Test Mode: 01; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



Site : chamber
Condition: 3m VERTICAL
Job No : 02444TL
Mode : 5190 Band edge
: 5G WIFI 11N40

		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5147.905	18.83	33.90	31.28	39.31	60.76	74.00	-13.24 Peak
2	5149.980	18.83	33.90	31.28	38.95	60.40	74.00	-13.60 Peak
3 p	5190.000	18.89	33.98	31.30	76.52	98.09	68.20	29.89 Peak



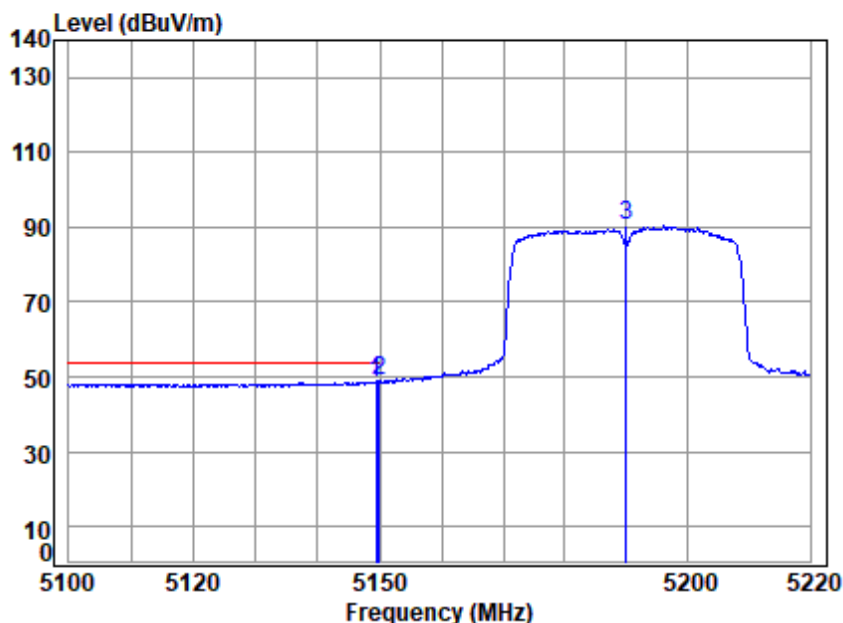
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Test Mode: 01; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:Low

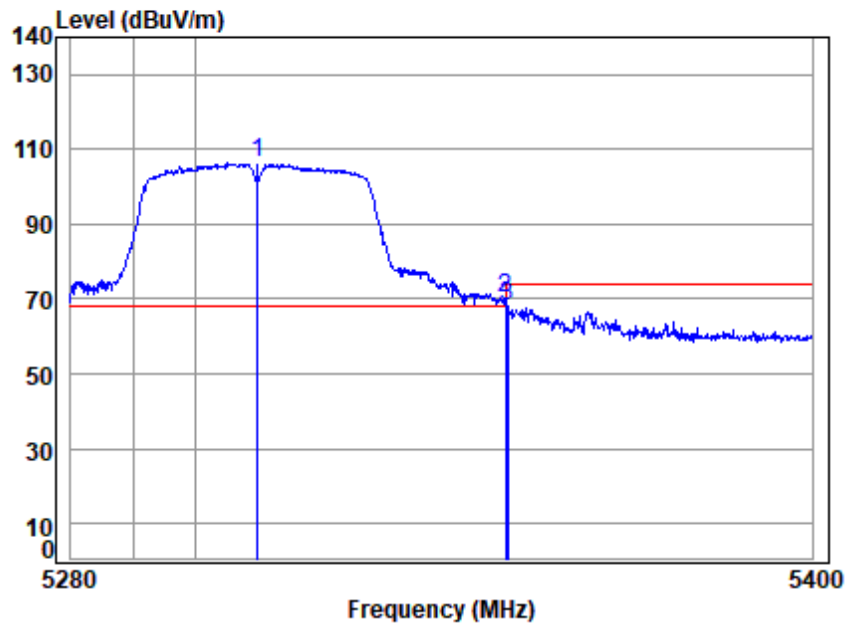


Site : chamber
Condition: 3m VERTICAL
Job No : 02444TL
Mode : 5190 Band edge
: 5G WIFI 11N40

		Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5149.461	18.83	33.90	31.28	27.14	48.59	54.00	-5.41 Average
2 q	5149.980	18.83	33.90	31.28	27.45	48.90	54.00	-5.10 Average
3	5190.000	18.89	33.98	31.30	68.66	90.23	-----	----- Average



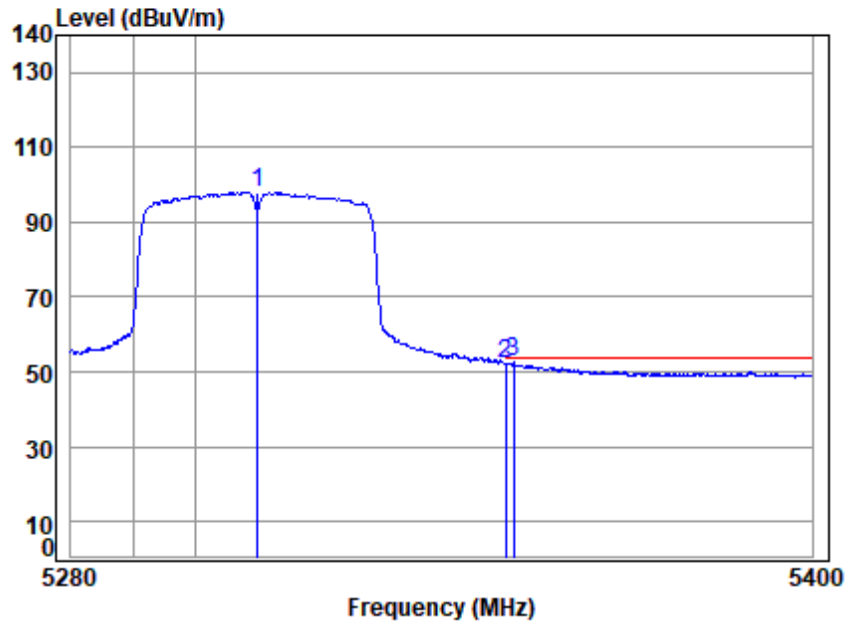
Test Mode: 02; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:High



Site : chamber
Condition: 3m HORIZONTAL
Job No : 02444TL
Mode : 5310 Band edge
: 5G WIFI 11N40

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 p	5310.000	19.06	34.24	31.36	84.52	106.46	68.20	38.26	peak
2	5350.020	19.11	34.40	31.39	48.04	70.16	74.00	-3.84	peak
3	5350.474	19.11	34.40	31.39	46.26	68.38	74.00	-5.62	peak

Test Mode: 02; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:High

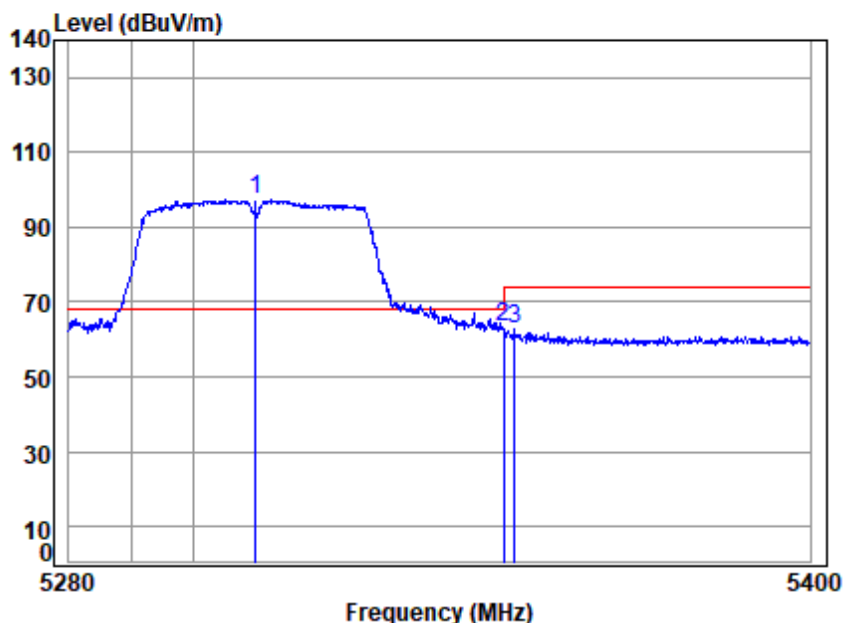


Site : chamber
Condition: 3m HORIZONTAL
Job No : 02444TL
Mode : 5310 Band edge
: 5G WIFI 11N40

		Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5310.000	19.06	34.24	31.36	76.19	98.13	-----	Average
2	5350.020	19.11	34.40	31.39	30.15	52.27	54.00	-1.73 Average
3 q	5351.436	19.11	34.41	31.39	30.46	52.59	54.00	-1.41 Average



Test Mode: 02; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:High



Site : chamber

Condition: 3m VERTICAL

Job No : 02444TL

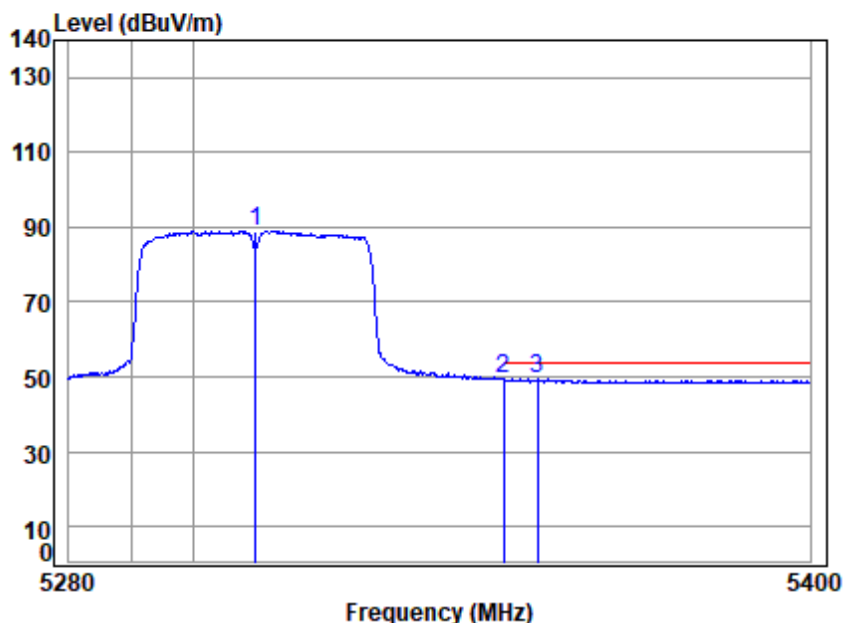
Mode : 5310 Band edge

: 5G WIFI 11N40

		Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 p 5310.000	19.06	34.24	31.36	75.59	97.53	68.20	29.33	Peak
2 5350.020	19.11	34.40	31.39	41.41	63.53	74.00	-10.47	Peak
3 5351.796	19.11	34.41	31.39	40.67	62.80	74.00	-11.20	Peak



Test Mode: 02; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:High



Site : chamber

Condition: 3m VERTICAL

Job No : 02444TL

Mode : 5310 Band edge

: 5G WIFI 11N40

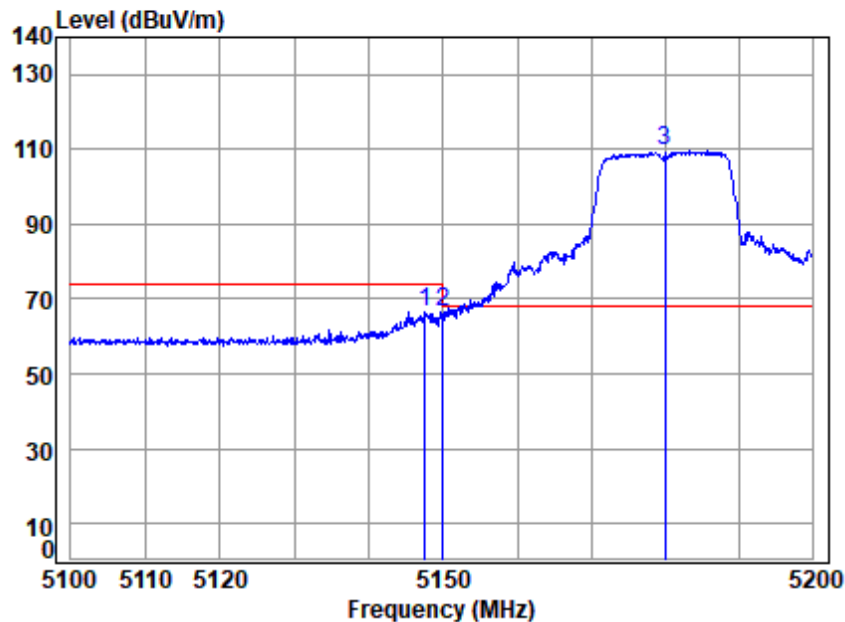
		Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5310.000	19.06	34.24	31.36	67.13	89.07	-----	Average
2 q	5350.020	19.11	34.40	31.39	27.55	49.67	54.00	-4.33 Average
3	5355.646	19.12	34.42	31.39	27.13	49.28	54.00	-4.72 Average



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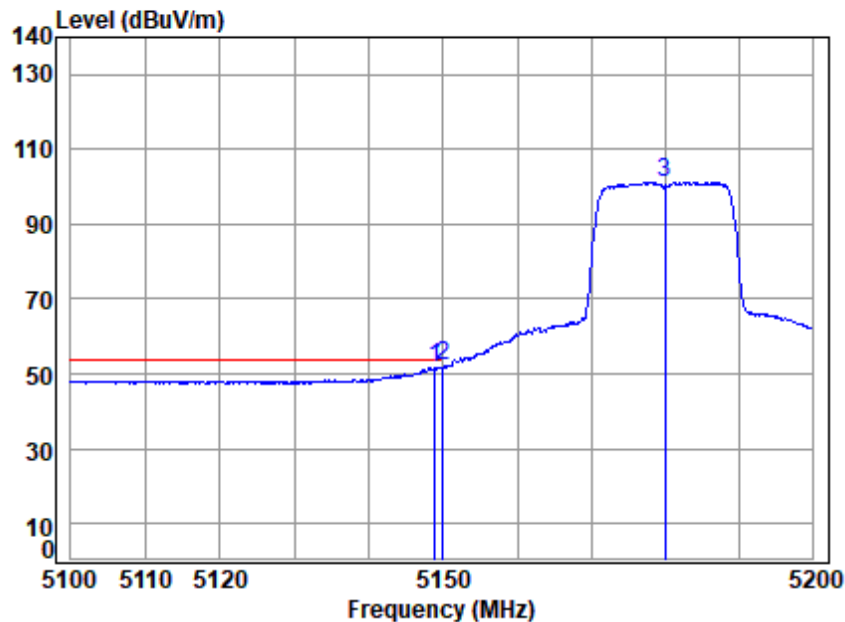
Test Mode: 01; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:20MHz; Channel:Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 02444TL
Mode : 5180 Band edge
: 5G WIFI 11AC20

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5147.558	18.83	33.90	31.28	45.11	66.56	74.00	-7.44	peak
2	5149.980	18.83	33.90	31.28	45.06	66.51	74.00	-7.49	peak
3 p	5180.000	18.88	33.96	31.30	88.08	109.62	68.20	41.42	peak

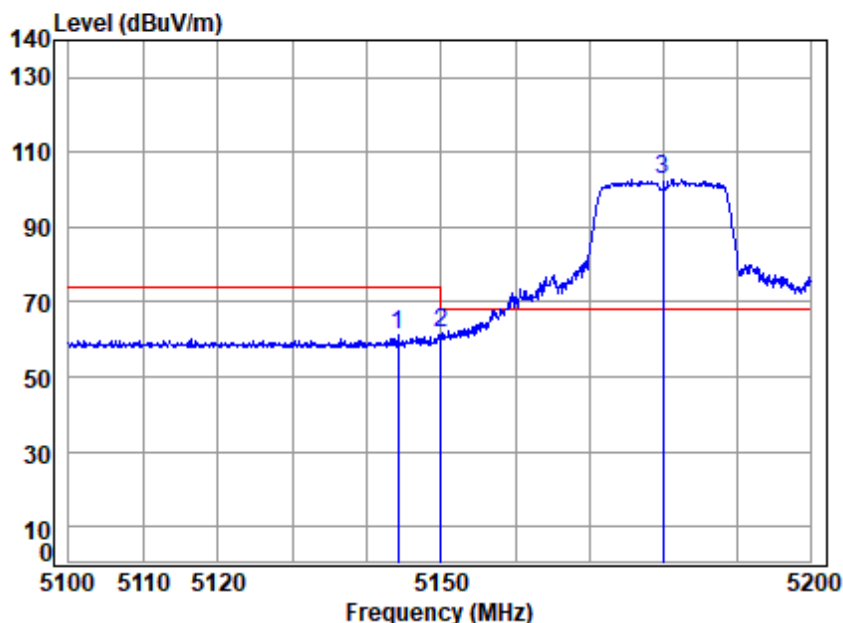
Test Mode: 01; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:20MHz; Channel:Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 02444TL
Mode : 5180 Band edge
: 5G WIFI 11AC20

		Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5148.857	18.83	33.90	31.28	30.25	51.70	54.00	-2.30 Average
2 q	5149.980	18.83	33.90	31.28	30.58	52.03	54.00	-1.97 Average
3	5180.000	18.88	33.96	31.30	79.70	101.24	-----	----- Average

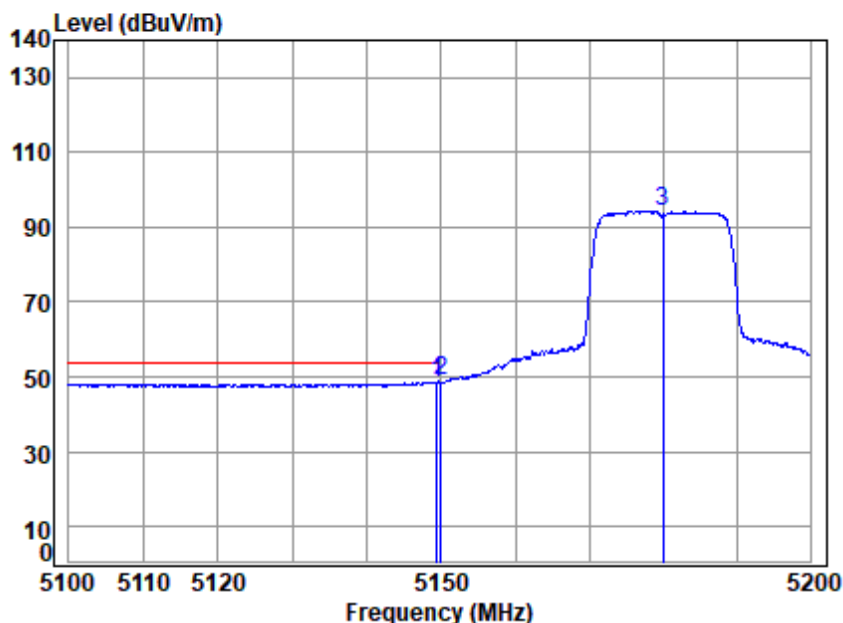
Test Mode: 01; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:Low



Site : chamber
Condition: 3m VERTICAL
Job No : 02444TL
Mode : 5180 Band edge
: 5G WIFI 11AC20

		Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5144.161	18.83	33.91	31.28	39.58	61.04	74.00	-12.96 Peak
2	5149.980	18.83	33.90	31.28	40.35	61.80	74.00	-12.20 Peak
3 p	5180.000	18.88	33.96	31.30	81.25	102.79	68.20	34.59 Peak

Test Mode: 01; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:Low

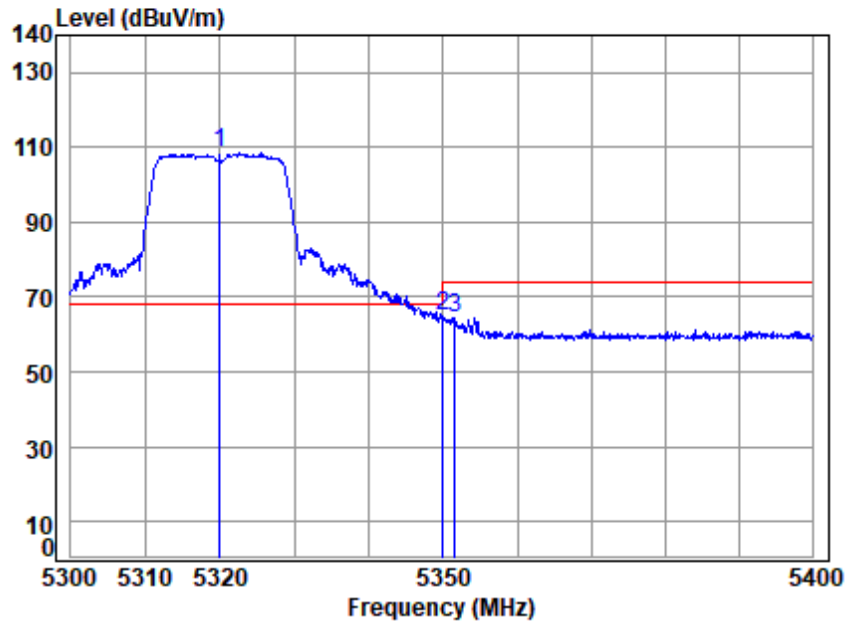


Site : chamber
Condition: 3m VERTICAL
Job No : 02444TL
Mode : 5180 Band edge
: 5G WIFI 11AC20

		Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5149.458	18.83	33.90	31.28	27.20	48.65	54.00	-5.35 Average
2 q	5149.980	18.83	33.90	31.28	27.34	48.79	54.00	-5.21 Average
3	5180.000	18.88	33.96	31.30	72.89	94.43	-----	----- Average



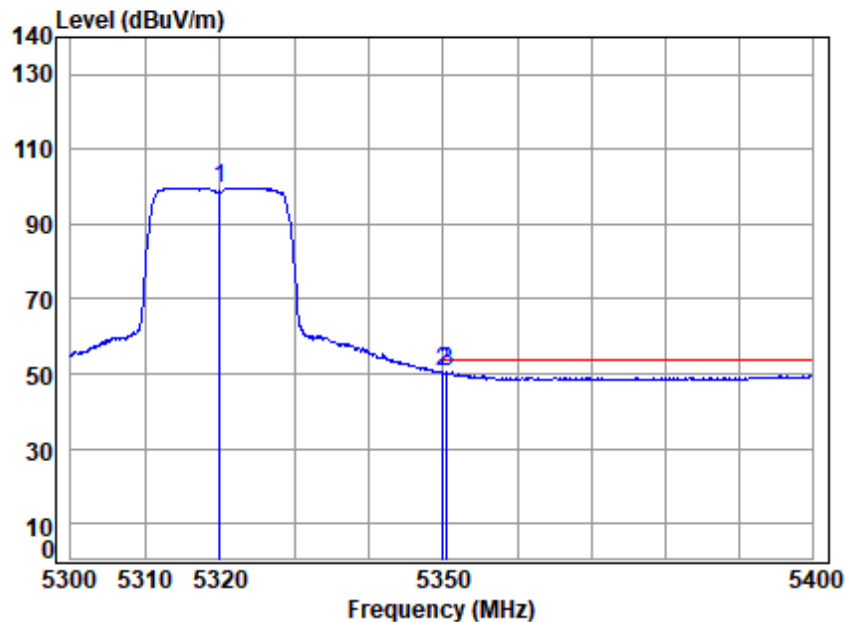
Test Mode: 02; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:20MHz; Channel:High



Site : chamber
Condition: 3m HORIZONTAL
Job No : 02444TL
Mode : 5320 Band edge
: 5G WIFI 11AC20

		Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 p 5320.000	19.07	34.28	31.37	86.69	108.67	68.20	40.47	peak
2 5350.020	19.11	34.40	31.39	42.63	64.75	74.00	-9.25	peak
3 5351.566	19.11	34.41	31.39	42.33	64.46	74.00	-9.54	peak

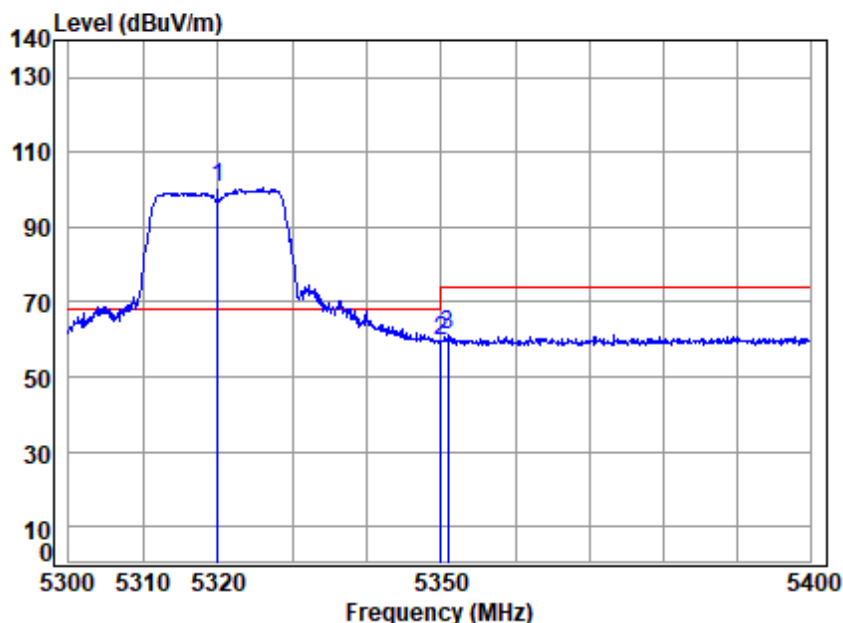
Test Mode: 02; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:20MHz; Channel:High



Site : chamber
Condition: 3m HORIZONTAL
Job No : 02444TL
Mode : 5320 Band edge
: 5G WIFI 11AC20

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5320.000	19.07	34.28	31.37	77.83	99.81	-----	----- Average
2 q	5350.020	19.11	34.40	31.39	28.44	50.56	54.00	-3.44 Average
3	5350.566	19.11	34.40	31.39	28.24	50.36	54.00	-3.64 Average

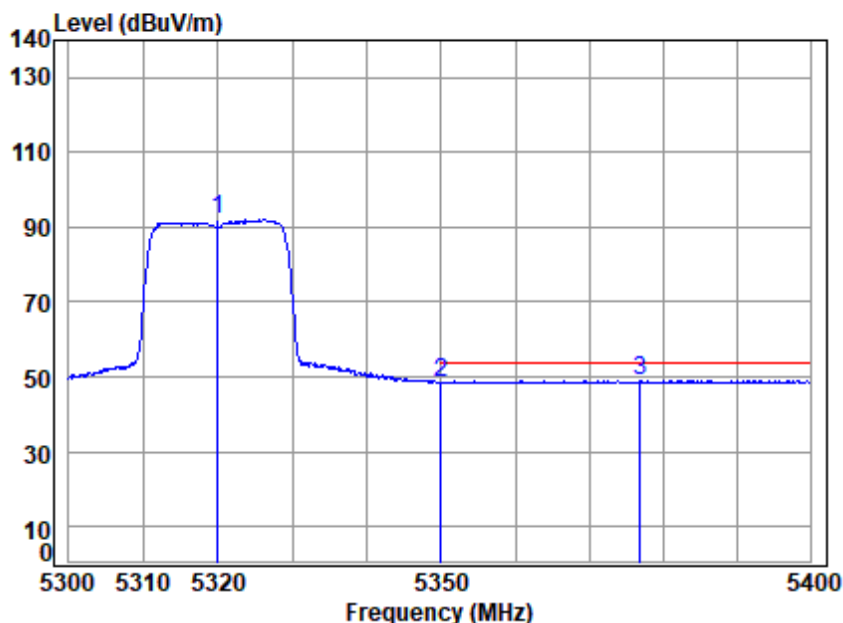
Test Mode: 02; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:High



Site : chamber
Condition: 3m VERTICAL
Job No : 02444TL
Mode : 5320 Band edge
: 5G WIFI 11AC20

		Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 p 5320.000	19.07	34.28	31.37	78.42	100.40	68.20	32.20	Peak
2 5350.020	19.11	34.40	31.39	37.58	59.70	74.00	-14.30	Peak
3 5350.966	19.11	34.40	31.39	38.99	61.11	74.00	-12.89	Peak

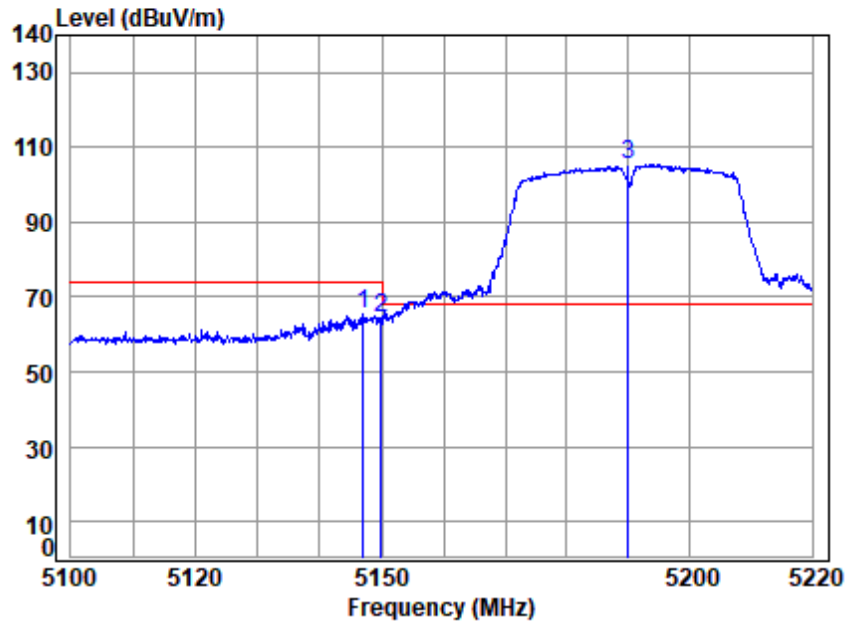
Test Mode: 02; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:High



Site : chamber
Condition: 3m VERTICAL
Job No : 02444TL
Mode : 5320 Band edge
: 5G WIFI 11AC20

		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5320.000	19.07	34.28	31.37	70.03	92.01	-----	----- Average
2	5350.020	19.11	34.40	31.39	26.42	48.54	54.00	-5.46 Average
3 q	5376.935	19.15	34.51	31.40	26.96	49.22	54.00	-4.78 Average

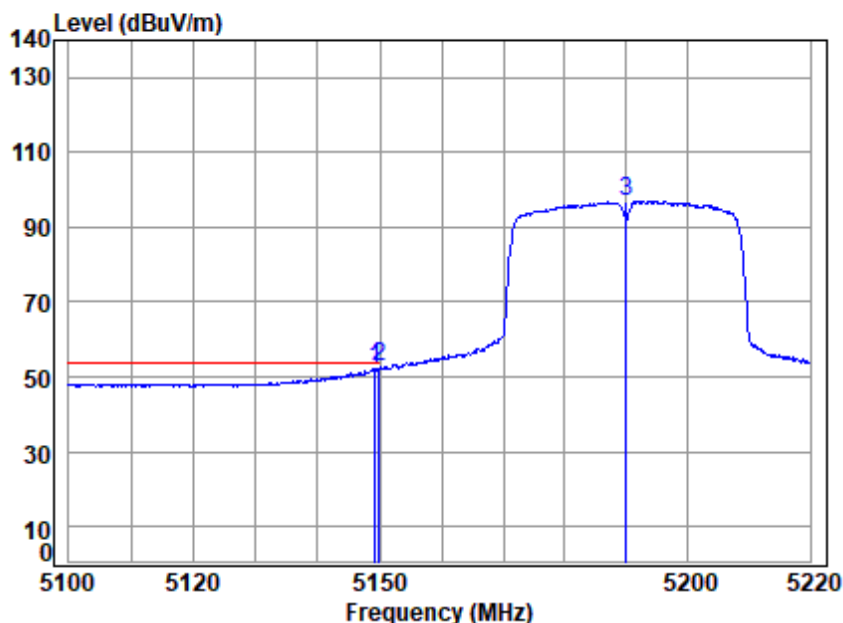
Test Mode: 01; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:40MHz; Channel:Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 02444TL
Mode : 5190 Band edge
: 5G WIFI 11AC40

		Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5146.947	18.83	33.91	31.28	44.06	65.52	74.00	-8.48 peak
2	5149.980	18.83	33.90	31.28	42.84	64.29	74.00	-9.71 peak
3 p	5190.000	18.89	33.98	31.30	83.92	105.49	68.20	37.29 peak

Test Mode: 01; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:40MHz; Channel:Low

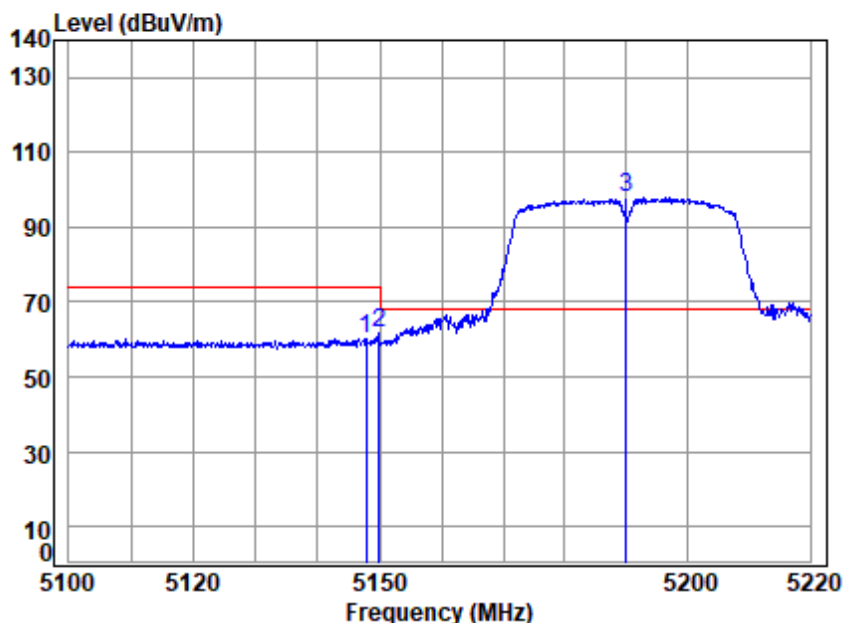


Site : chamber
Condition: 3m HORIZONTAL
Job No : 02444TL
Mode : 5190 Band edge
: 5G WIFI 11AC40

		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5149.222	18.83	33.90	31.28	30.89	52.34	54.00	-1.66 Average
2 q	5149.980	18.83	33.90	31.28	31.20	52.65	54.00	-1.35 Average
3	5190.000	18.89	33.98	31.30	75.28	96.85	-----	----- Average



Test Mode: 01; Polarity: Vertical; Modulation:802.11ac; Bandwidth:40MHz; Channel:Low



Site : chamber
Condition: 3m VERTICAL
Job No : 02444TL
Mode : 5190 Band edge
: 5G WIFI 11AC40

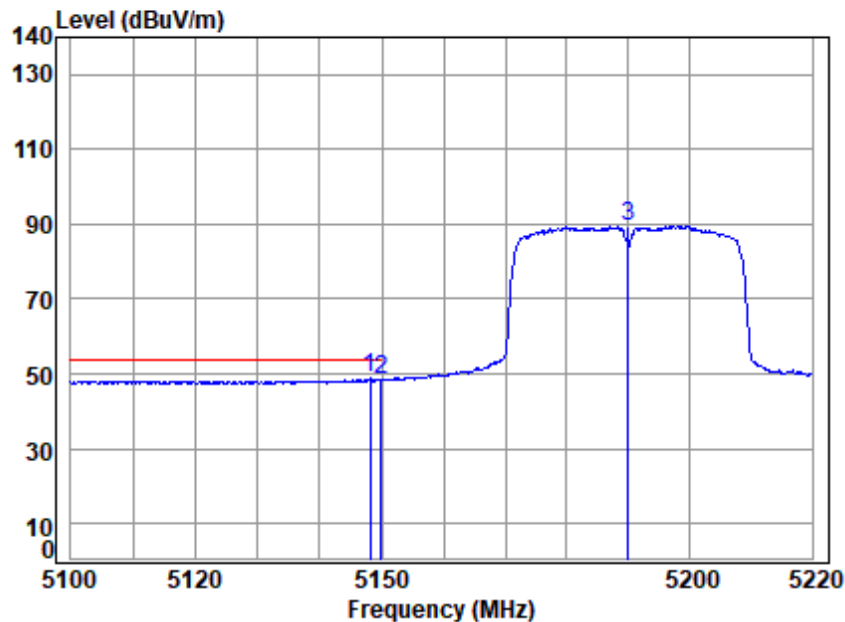
		Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5147.785	18.83	33.90	31.28	38.66	60.11	74.00	-13.89 Peak
2	5149.980	18.83	33.90	31.28	40.09	61.54	74.00	-12.46 Peak
3 p	5190.000	18.89	33.98	31.30	76.45	98.02	68.20	29.82 Peak



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Test Mode: 01; Polarity: Vertical; Modulation:802.11ac; Bandwidth:40MHz; Channel:Low

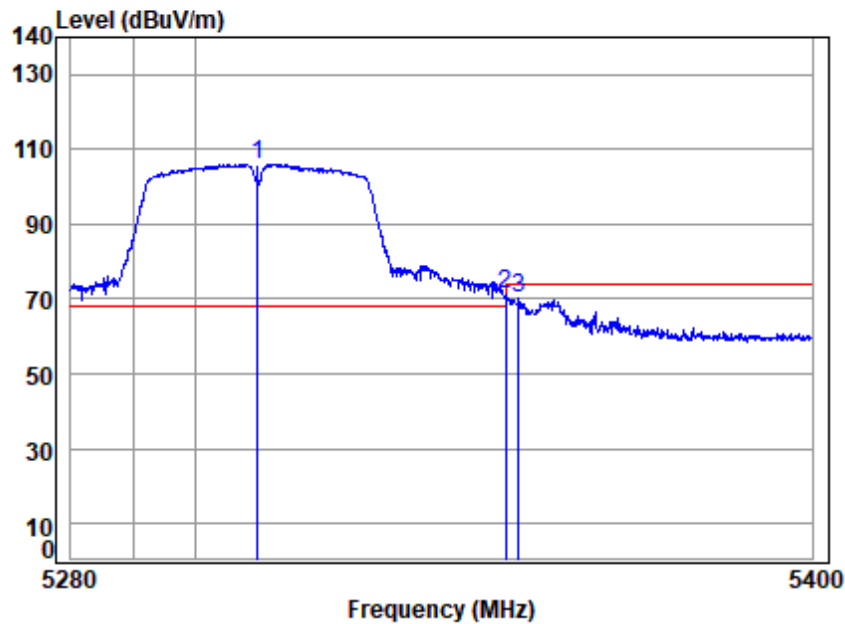


Site : chamber
Condition: 3m VERTICAL
Job No : 02444TL
Mode : 5190 Band edge
: 5G WIFI 11AC40

		Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 q 5148.144	18.83	33.90	31.28	27.26	48.71	54.00	-5.29	Average
2 5149.980	18.83	33.90	31.28	27.02	48.47	54.00	-5.53	Average
3 5190.000	18.89	33.98	31.30	67.85	89.42	-----	-----	Average



Test Mode: 02; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:40MHz; Channel:High

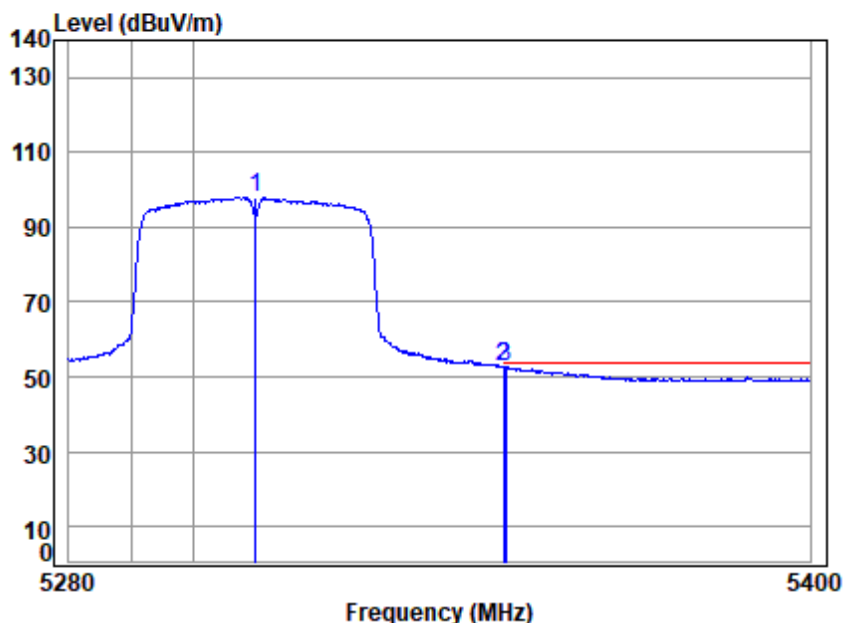


Site : chamber
Condition: 3m HORIZONTAL
Job No : 02444TL
Mode : 5310 Band edge
: 5G WIFI 11AC40

		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 p	5310.000	19.06	34.24	31.36	84.16	106.10	68.20	37.90 peak
2	5350.020	19.11	34.40	31.39	49.13	71.25	74.00	-2.75 peak
3	5352.157	19.11	34.41	31.39	48.07	70.20	74.00	-3.80 peak



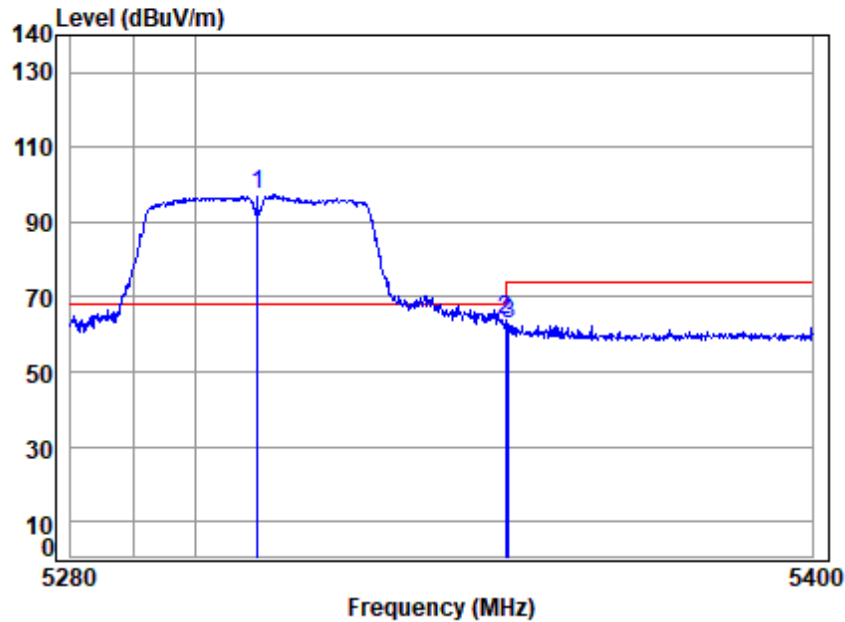
Test Mode: 02; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:40MHz; Channel:High



Site : chamber
Condition: 3m HORIZONTAL
Job No : 02444TL
Mode : 5310 Band edge
: 5G WIFI 11AC40

		Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5310.000	19.06	34.24	31.36	76.03	97.97	-----	Average
2	5350.020	19.11	34.40	31.39	30.67	52.79	54.00	-1.21 Average
3	5350.474	19.11	34.40	31.39	30.43	52.55	54.00	-1.45 Average

Test Mode: 02; Polarity: Vertical; Modulation:802.11ac; Bandwidth:40MHz; Channel:High



Site : chamber
Condition: 3m VERTICAL
Job No : 02444TL
Mode : 5310 Band edge
: 5G WIFI 11AC40

		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 p	5310.000	19.06	34.24	31.36	75.42	97.36	68.20	29.16 Peak
2	5350.020	19.11	34.40	31.39	41.56	63.68	74.00	-10.32 Peak
3	5350.594	19.11	34.40	31.39	40.58	62.70	74.00	-11.30 Peak



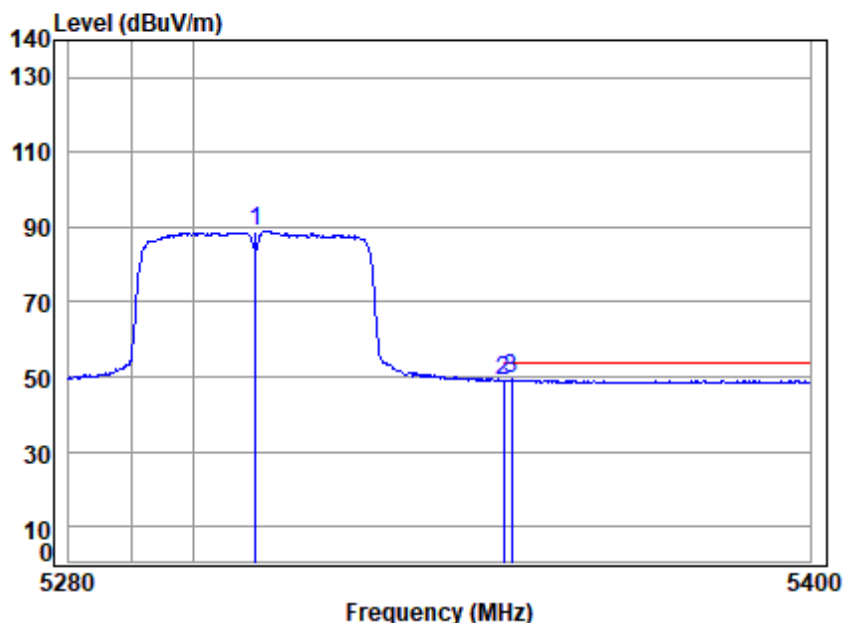
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Test Mode: 02; Polarity: Vertical; Modulation:802.11ac; Bandwidth:40MHz; Channel:High



Site : chamber
Condition: 3m VERTICAL
Job No : 02444TL
Mode : 5310 Band edge
: 5G WIFI 11AC40

		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5310.000	19.06	34.24	31.36	66.99	88.93	-----	----- Average
2	5350.020	19.11	34.40	31.39	26.91	49.03	54.00	-4.97 Average
3 q	5351.436	19.11	34.41	31.39	27.24	49.37	54.00	-4.63 Average



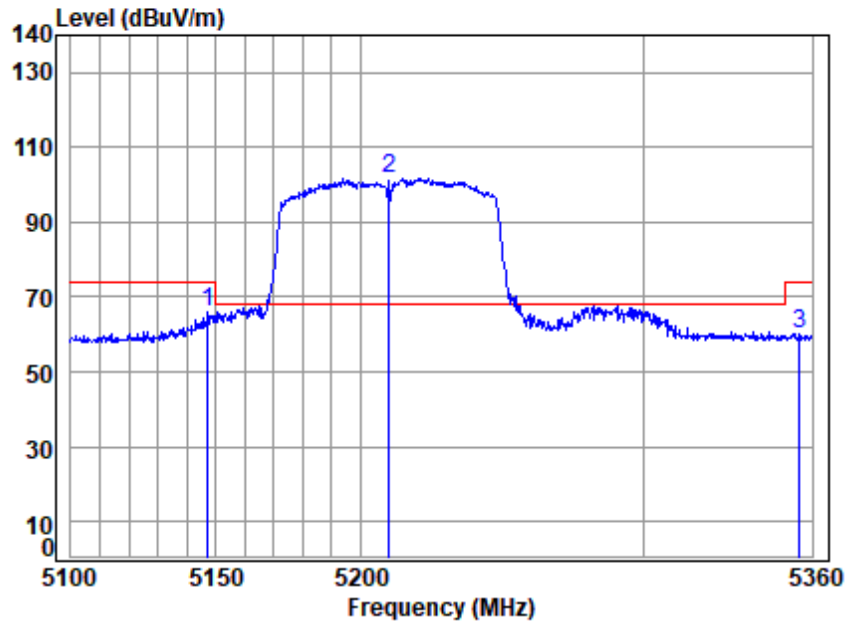
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Test Mode: 01; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:80MHz; Channel:Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 02444TL
Mode : 5210 Band edge
: 5G WIFI 11AC80

		Cable	Ant	Preamp	Read		Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5147.130	18.83	33.91	31.28	44.33	65.79	74.00	-8.21	peak
2 p	5210.000	18.92	34.02	31.31	79.86	101.49	68.20	33.29	peak
3	5355.471	19.12	34.42	31.39	38.08	60.23	74.00	-13.77	peak



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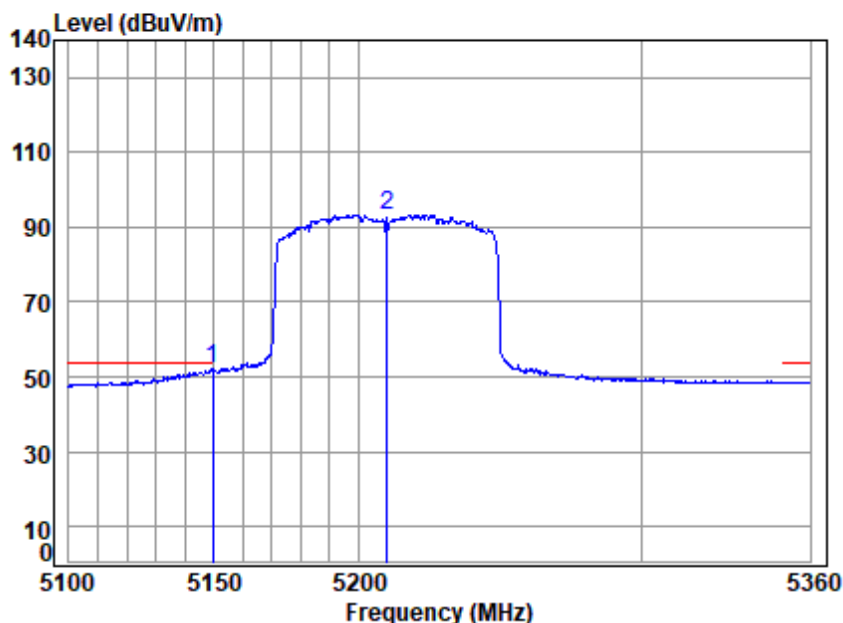
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Test Mode: 01; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:80MHz; Channel:Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 02444TL
Mode : 5210 Band edge
: 5G WIFI 11AC80

		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 q	5149.435	18.83	33.90	31.28	30.66	52.11	54.00	-1.89 Average
2	5210.000	18.92	34.02	31.31	71.79	93.42	-----	----- Average
3	5360.000	19.12	34.44	31.39	26.67	48.84	54.00	-5.16 Average



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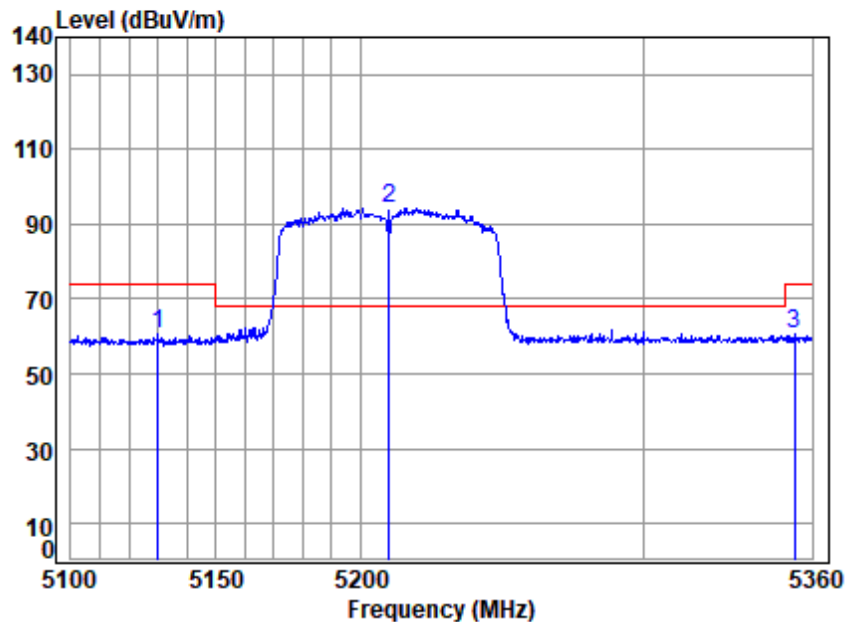
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Test Mode: 01; Polarity: Vertical; Modulation:802.11ac; Bandwidth:80MHz; Channel:Low



Site : chamber
Condition: 3m VERTICAL
Job No : 02444TL
Mode : 5210 Band edge
: 5G WIFI 11AC80

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5130.012	18.81	33.94	31.27	39.15	60.63	74.00	-13.37	Peak
2 p	5210.000	18.92	34.02	31.31	72.84	94.47	68.20	26.27	Peak
3	5353.874	19.12	34.42	31.39	38.35	60.50	74.00	-13.50	Peak



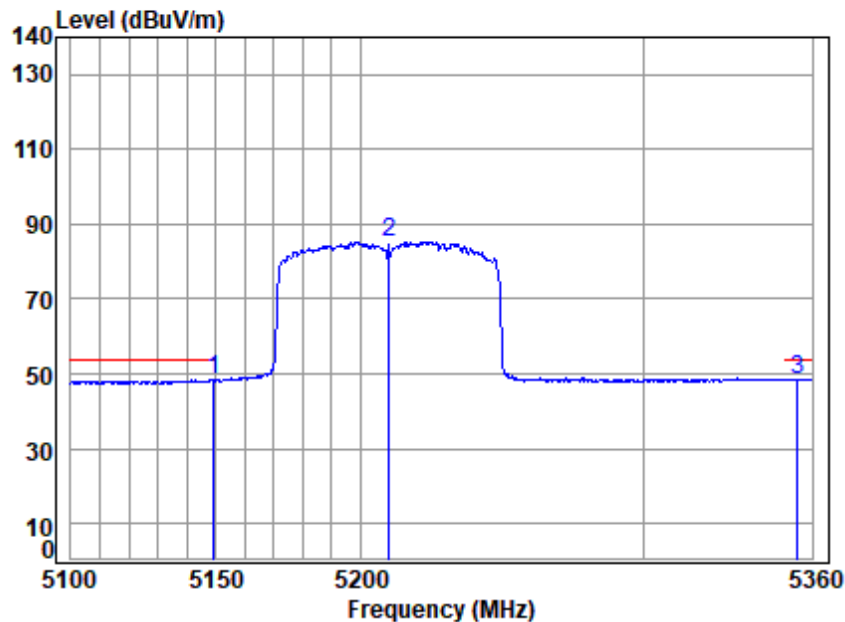
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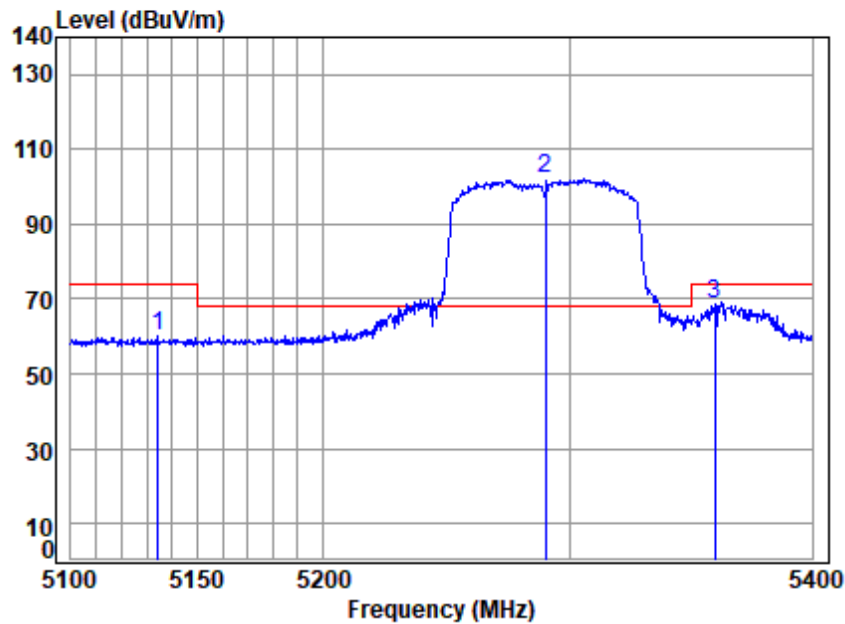
Test Mode: 01; Polarity: Vertical; Modulation:802.11ac; Bandwidth:80MHz; Channel:Low



Site : chamber
Condition: 3m VERTICAL
Job No : 02444TL
Mode : 5210 Band edge
: 5G WIFI 11AC80

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5149.178	18.83	33.90	31.28	26.88	48.33	54.00	-5.67	Average
2	5210.000	18.92	34.02	31.31	63.63	85.26	-----	-----	Average
3 q	5354.672	19.12	34.42	31.39	26.53	48.68	54.00	-5.32	Average

Test Mode: 02; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:80MHz; Channel:High

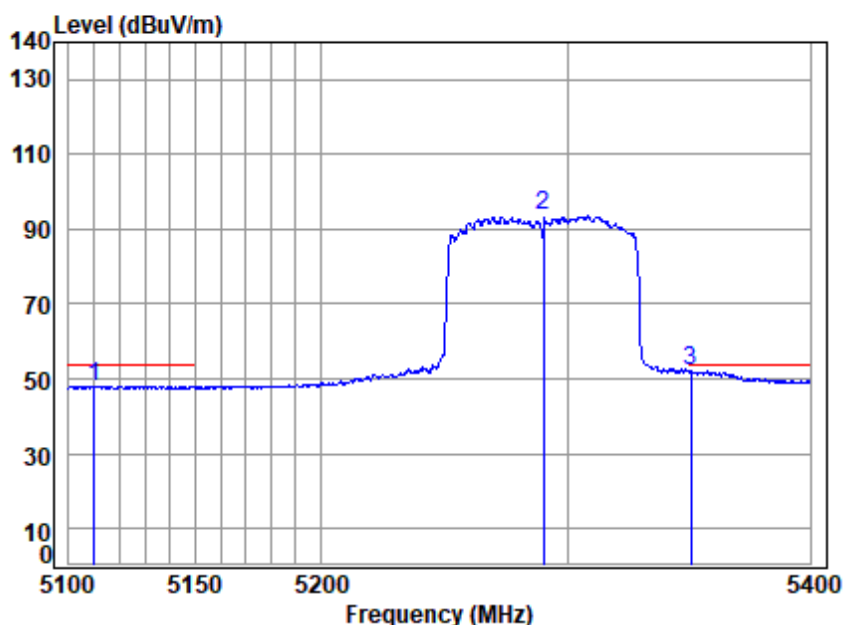


Site : chamber
Condition: 3m HORIZONTAL
Job No : 02444TL
Mode : 5290 Band edge
: 5G WIFI 11AC80

		Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 5134.514	18.81	33.93	31.27	38.52	59.99	74.00	-14.01	peak
2 p 5290.000	19.03	34.18	31.35	80.27	102.13	68.20	33.93	peak
3 5359.717	19.12	34.44	31.39	46.37	68.54	74.00	-5.46	peak



Test Mode: 02; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:80MHz; Channel:High

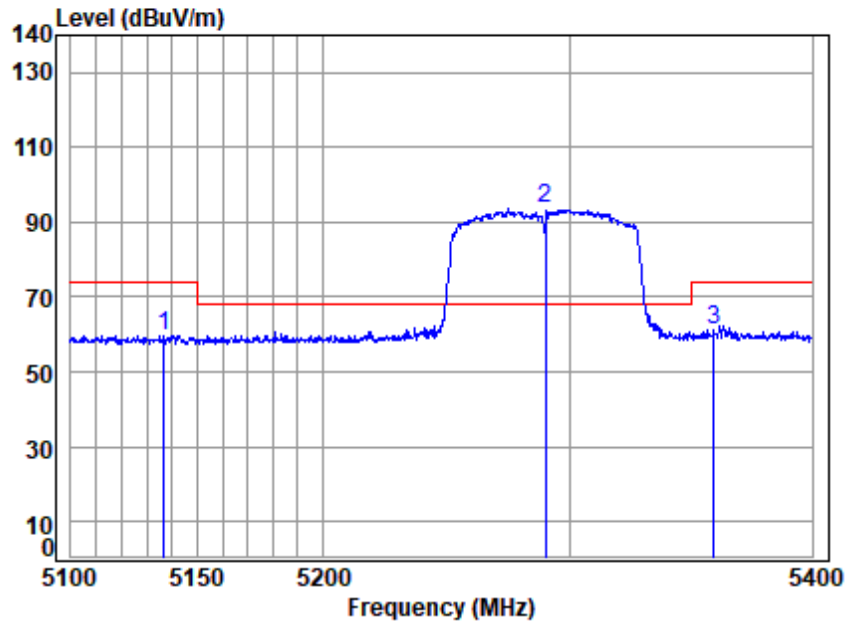


Site : chamber
Condition: 3m HORIZONTAL
Job No : 02444TL
Mode : 5290 Band edge
: 5G WIFI 11AC80

		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5109.921	18.78	33.98	31.26	26.66	48.16	54.00	-5.84 Average
2	5290.000	19.03	34.18	31.35	71.70	93.56	-----	----- Average
3 q	5350.535	19.11	34.40	31.39	30.21	52.33	54.00	-1.67 Average



Test Mode: 02; Polarity: Vertical; Modulation:802.11ac; Bandwidth:80MHz; Channel:High

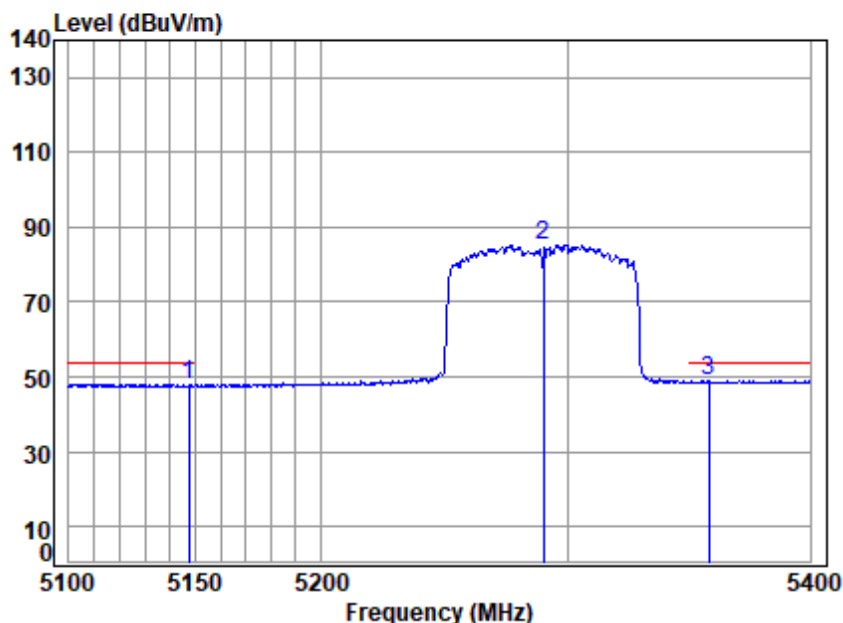


Site : chamber
Condition: 3m VERTICAL
Job No : 02444TL
Mode : 5290 Band edge
: 5G WIFI 11AC80

		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5136.863	18.82	33.93	31.27	38.18	59.66	74.00	-14.34 Peak
2 p	5290.000	19.03	34.18	31.35	71.57	93.43	68.20	25.23 Peak
3	5359.411	19.12	34.44	31.39	39.16	61.33	74.00	-12.67 Peak



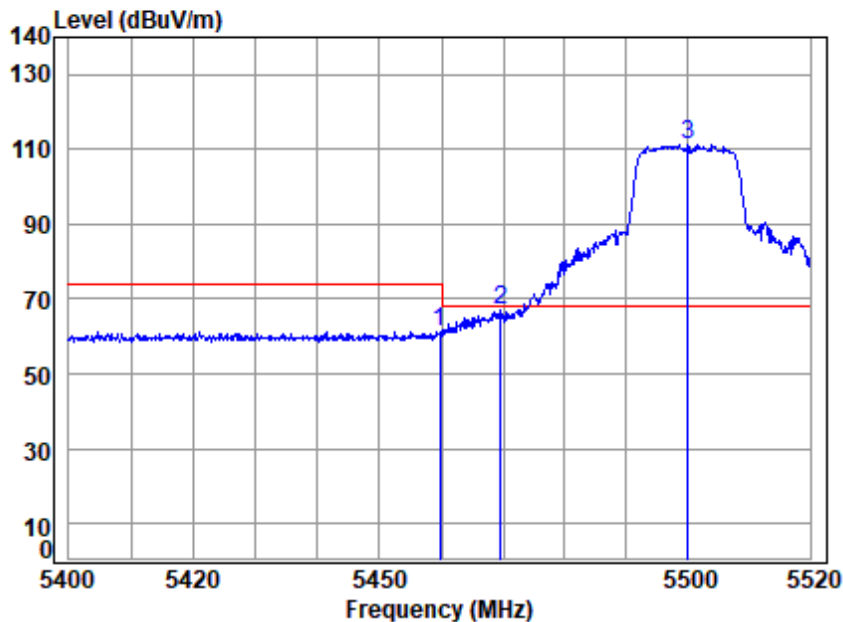
Test Mode: 02; Polarity: Vertical; Modulation:802.11ac; Bandwidth:80MHz; Channel:High



Site : chamber
Condition: 3m VERTICAL
Job No : 02444TL
Mode : 5290 Band edge
: 5G WIFI 11AC80

		Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 5147.443	18.83	33.91	31.28	26.57	48.03	54.00	-5.97	Average
2 5290.000	19.03	34.18	31.35	63.57	85.43	-----	-----	Average
3 q 5358.186	19.12	34.43	31.39	26.89	49.05	54.00	-4.95	Average

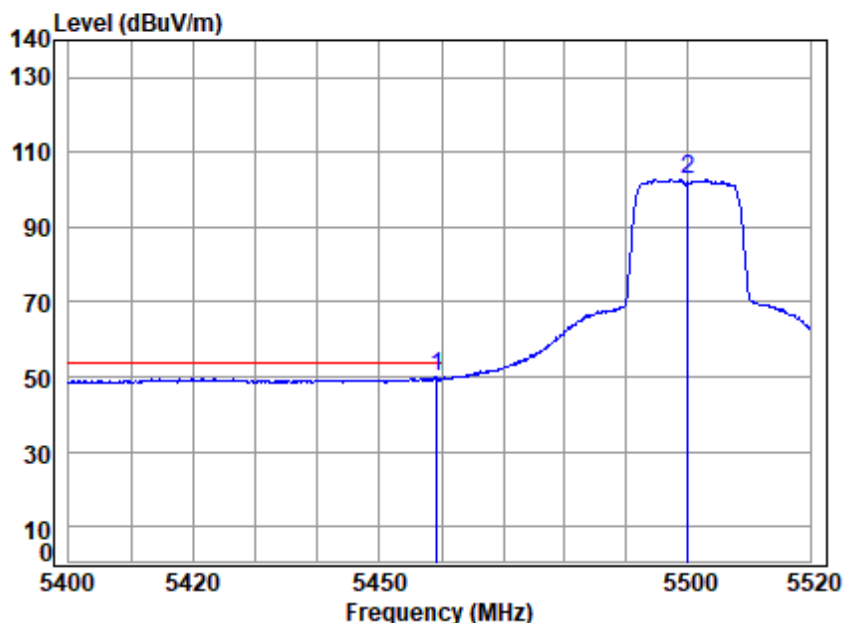
Test Mode: 03; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 02444TL
Mode : 5500 Band edge
: 5G WIFI 11A

		Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 5459.791	19.26	34.66	31.44	38.99	61.47	74.00	-12.53	peak
2 5469.519	19.27	34.62	31.45	44.68	67.12	68.20	-1.08	peak
3 p 5500.000	19.31	34.50	31.46	88.93	111.28	68.20	43.08	peak

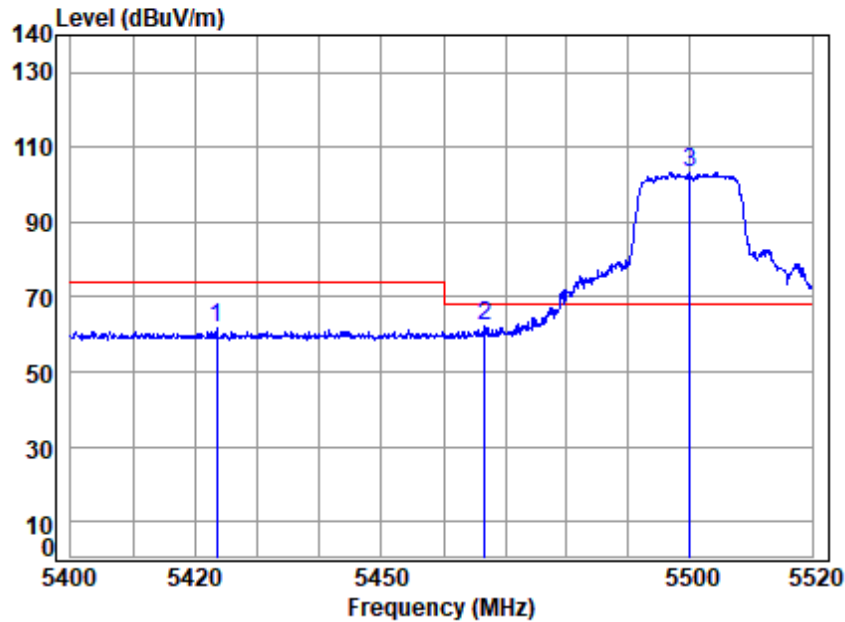
Test Mode: 03; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 02444TL
Mode : 5500 Band edge
: 5G WIFI 11A

		Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 q 5459.190	19.26	34.66	31.44	27.40	49.88	54.00	-4.12	Average
2 5500.000	19.31	34.50	31.46	80.28	102.63	-----	-----	Average

Test Mode: 03; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Site : chamber
Condition: 3m VERTICAL
Job No : 02444TL
Mode : 5500 Band edge
: 5G WIFI 11A

		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5423.432	19.21	34.65	31.42	39.10	61.54	74.00	-12.46 Peak
2	5466.635	19.27	34.63	31.44	39.86	62.32	68.20	-5.88 peak
3 p	5500.000	19.31	34.50	31.46	81.04	103.39	68.20	35.19 Peak

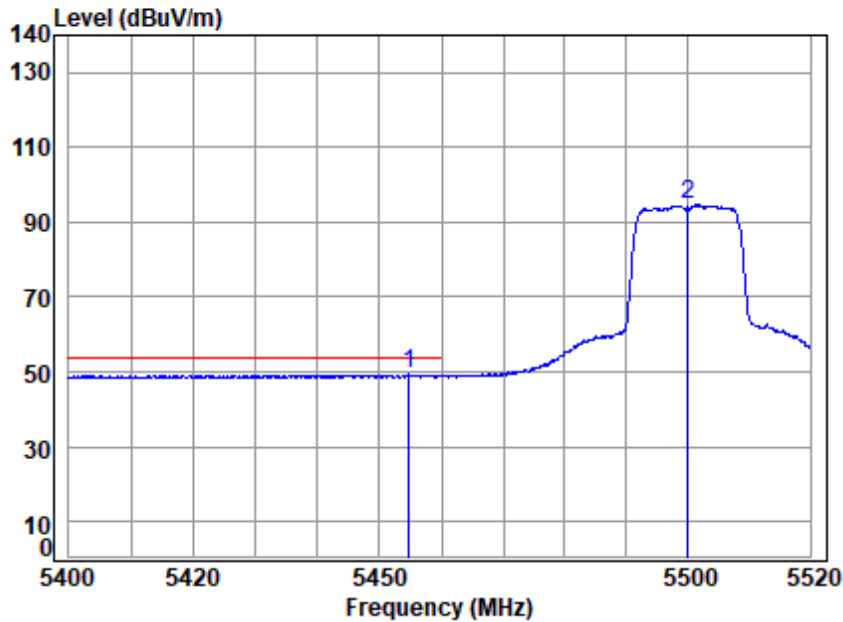
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Test Mode: 03; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Site : chamber
 Condition: 3m VERTICAL
 Job No : 02444TL
 Mode : 5500 Band edge
 : 5G WIFI 11A

		Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 q 5454.752	19.25	34.68	31.44	26.78	49.27	54.00	-4.73	Average
2 5500.000	19.31	34.50	31.46	72.19	94.54	-----	-----	Average



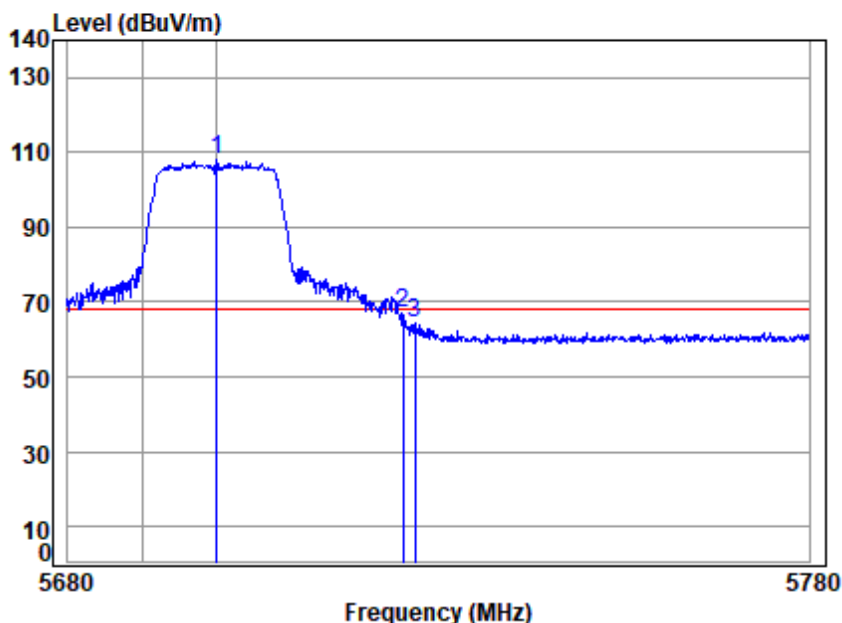
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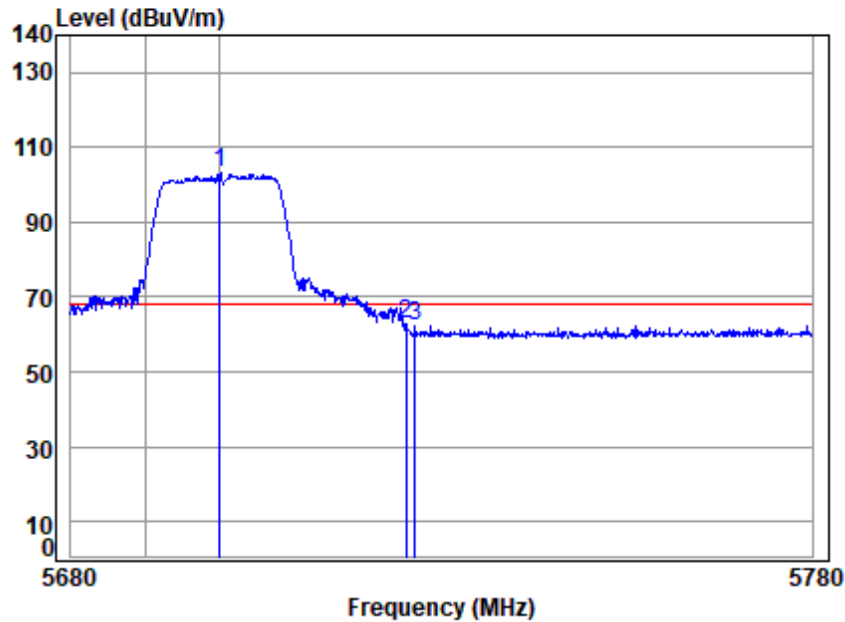
Test Mode: 03; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Site : chamber
Condition: 3m HORIZONTAL
Job No : 02444TL
Mode : 5700 Band edge
: 5G WIFI 11A

		Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 p 5700.000	19.44	34.30	31.56	85.71	107.89	68.20	39.69	peak
2 5725.000	19.46	34.25	31.57	44.90	67.04	68.20	-1.16	peak
3 5726.583	19.46	34.25	31.57	42.43	64.57	68.20	-3.63	peak

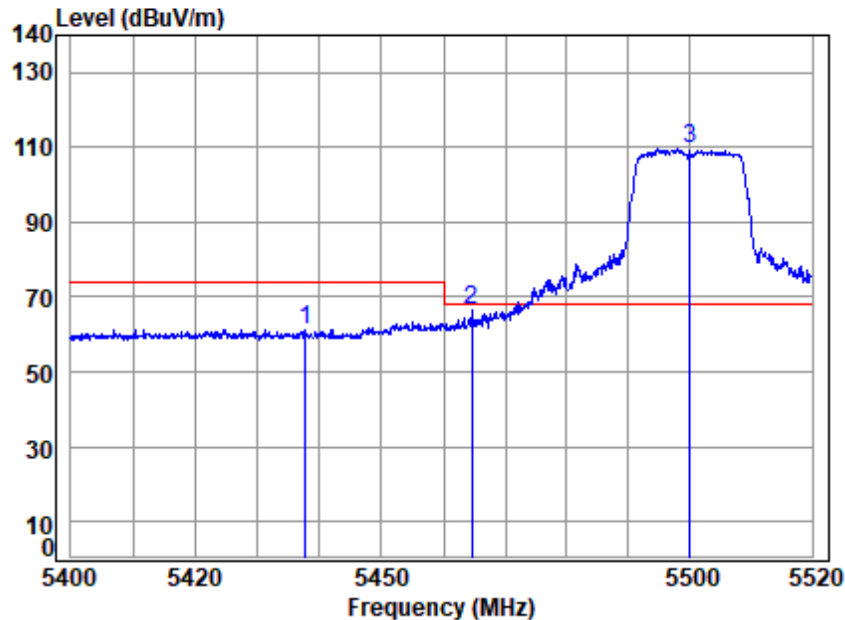
Test Mode: 03; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Site : chamber
Condition: 3m VERTICAL
Job No : 02444TL
Mode : 5700 Band edge
: 5G WIFI 11A

		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 p	5700.000	19.44	34.30	31.56	80.86	103.04	68.20	34.84 Peak
2	5725.000	19.46	34.25	31.57	40.89	63.03	68.20	-5.17 Peak
3	5726.283	19.46	34.25	31.57	40.28	62.42	68.20	-5.78 Peak

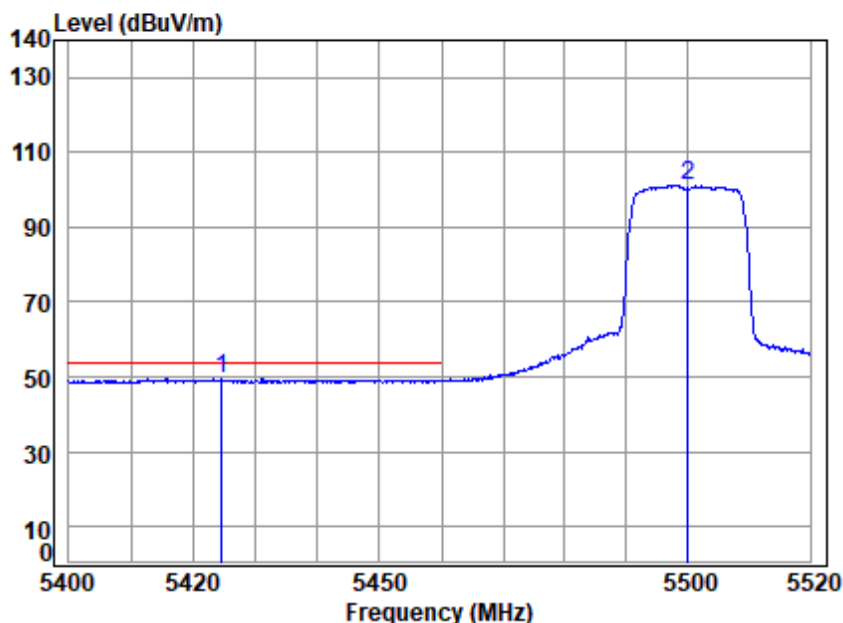
Test Mode: 03; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 02444TL
Mode : 5500 Band edge
: 5G WIFI 11N20

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5437.755	19.23	34.68	31.43	38.97	61.45	74.00	-12.55	peak
2	5464.592	19.26	34.64	31.44	43.94	66.40	68.20	-1.80	peak
3 p	5500.000	19.31	34.50	31.46	87.21	109.56	68.20	41.36	peak

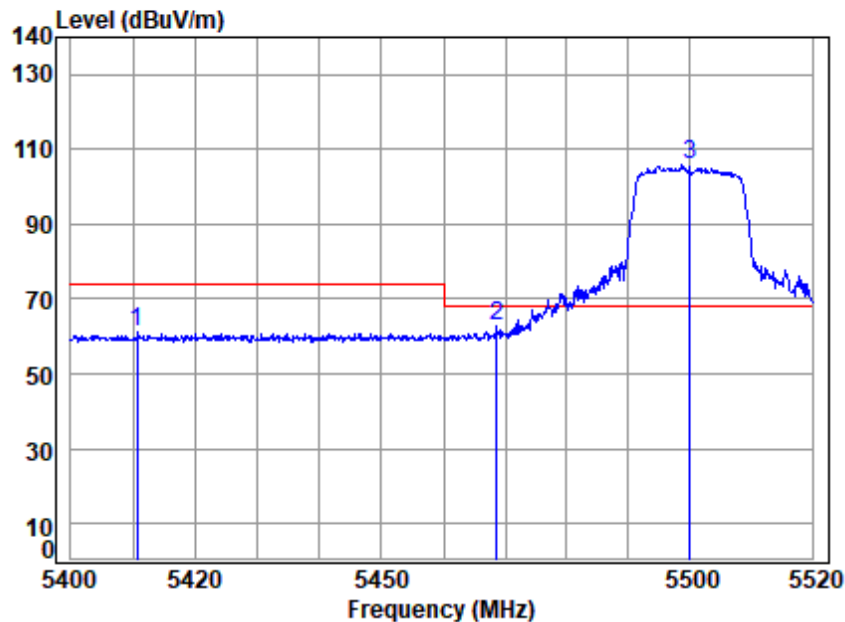
Test Mode: 03; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 02444TL
Mode : 5500 Band edge
: 5G WIFI 11N20

		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 q	5424.505	19.21	34.65	31.42	26.90	49.34	54.00	-4.66 Average
2	5500.000	19.31	34.50	31.46	78.79	101.14	-----	----- Average

Test Mode: 03; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



Site : chamber

Condition: 3m VERTICAL

Job No : 02444TL

Mode : 5500 Band edge

: 5G WIFI 11N20

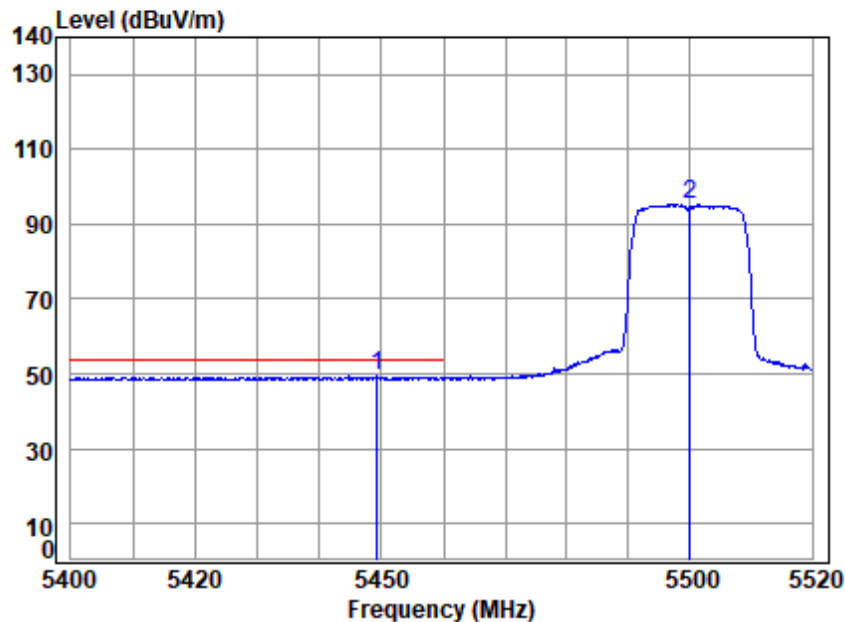
		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5410.692	19.19	34.62	31.42	38.74	61.13	74.00	-12.87	Peak
2	5468.678	19.27	34.63	31.45	40.48	62.93	68.20	-5.27	peak
3 p	5500.000	19.31	34.50	31.46	83.83	106.18	68.20	37.98	Peak



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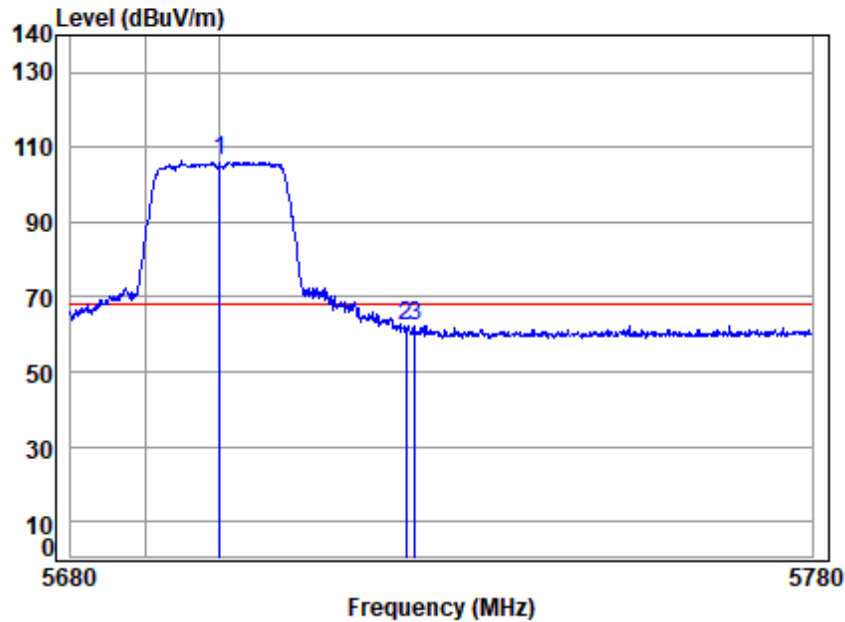
Test Mode: 03; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



Site : chamber
Condition: 3m VERTICAL
Job No : 02444TL
Mode : 5500 Band edge
: 5G WIFI 11N20

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Line	Limit	Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 q 5449.241		19.24	34.70	31.44	26.82	49.32	54.00	-4.68 Average
2 5500.000		19.31	34.50	31.46	72.91	95.26	-----	----- Average

Test Mode: 03; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:High



Site : chamber
Condition: 3m HORIZONTAL
Job No : 02444TL
Mode : 5700 Band edge
: 5G WIFI 11N20

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Limit	Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 p 5700.000		19.44	34.30	31.56	84.10	106.28	68.20	38.08 peak
2 5725.000		19.46	34.25	31.57	40.11	62.25	68.20	-5.95 peak
3 5726.283		19.46	34.25	31.57	40.30	62.44	68.20	-5.76 peak

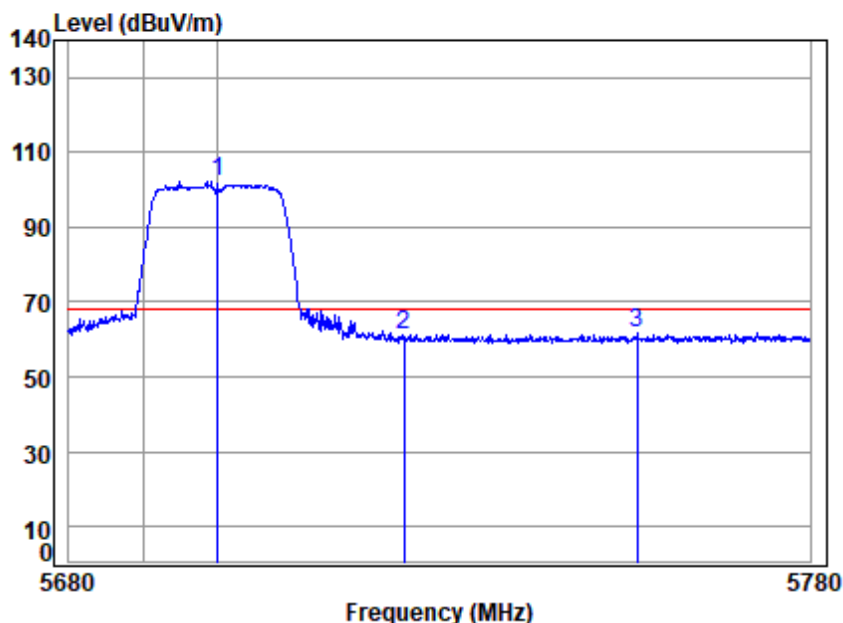
SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250600244402

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Test Mode: 03; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:High



Site : chamber
Condition: 3m VERTICAL
Job No : 02444TL
Mode : 5700 Band edge
: 5G WIFI 11N20

		Cable	Ant	Preamp	Read		Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 p	5700.000	19.44	34.30	31.56	79.82	102.00	68.20	33.80	Peak
2	5725.000	19.46	34.25	31.57	38.87	61.01	68.20	-7.19	Peak
3	5756.544	19.48	34.21	31.59	39.67	61.77	68.20	-6.43	Peak



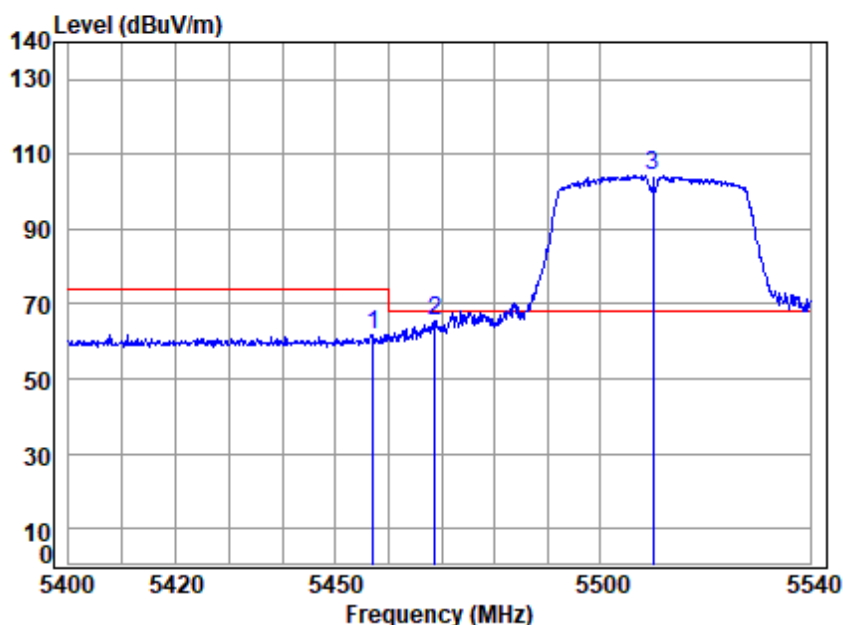
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Shenzhen Branch Testing Laboratory

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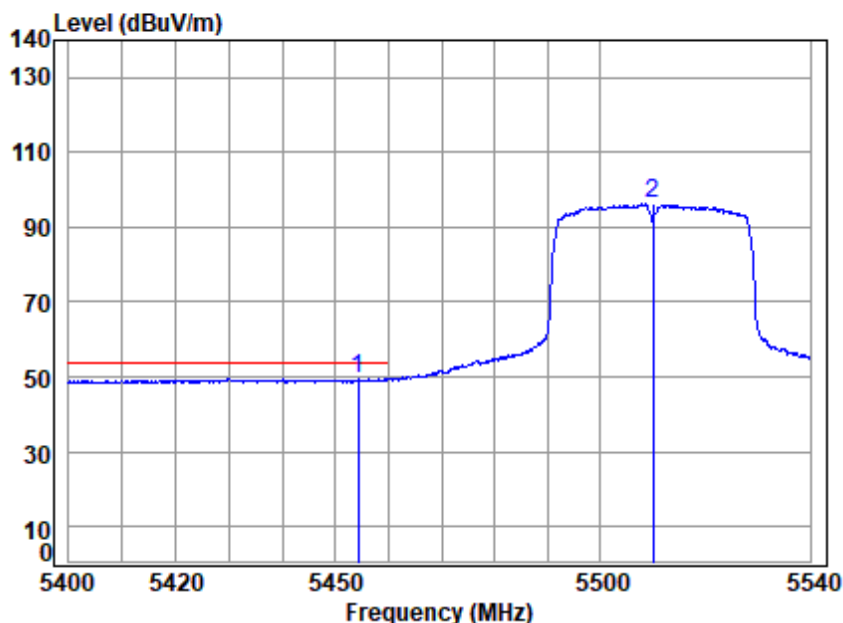
Test Mode: 03; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 02444TL
Mode : 5510 Band edge
: 5G WIFI 11N40

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5457.106	19.25	34.67	31.44	39.53	62.01	74.00	-11.99	peak
2	5468.712	19.27	34.63	31.45	43.12	65.57	68.20	-2.63	peak
3 p	5510.000	19.32	34.54	31.47	82.15	104.54	68.20	36.34	peak

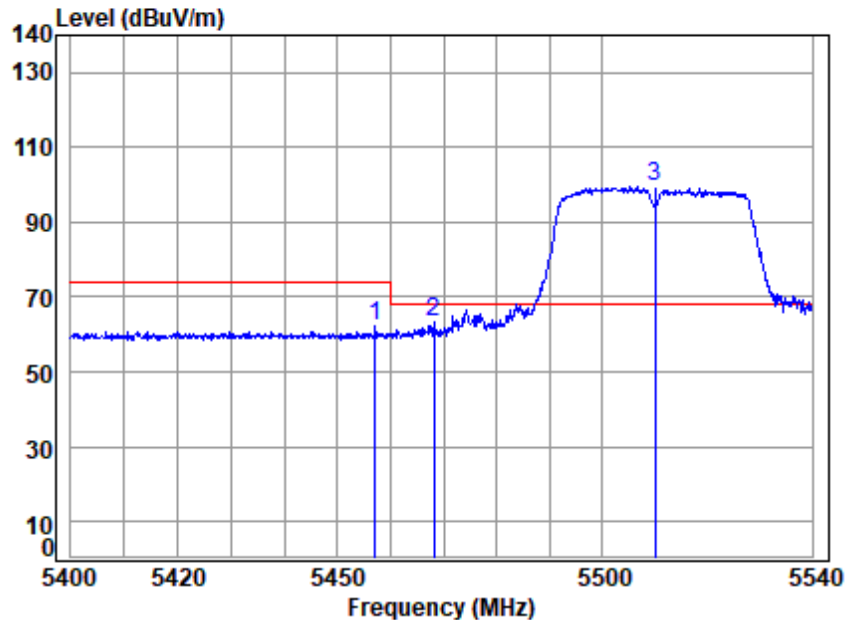
Test Mode: 03; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 02444TL
Mode : 5510 Band edge
: 5G WIFI 11N40

		Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 q 5454.314	19.25	34.68	31.44	26.89	49.38	54.00	-4.62	Average
2 5510.000	19.32	34.54	31.47	73.76	96.15	-----	-----	Average

Test Mode: 03; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



Site : chamber

Condition: 3m VERTICAL

Job No : 02444TL

Mode : 5510 Band edge

: 5G WIFI 11N40

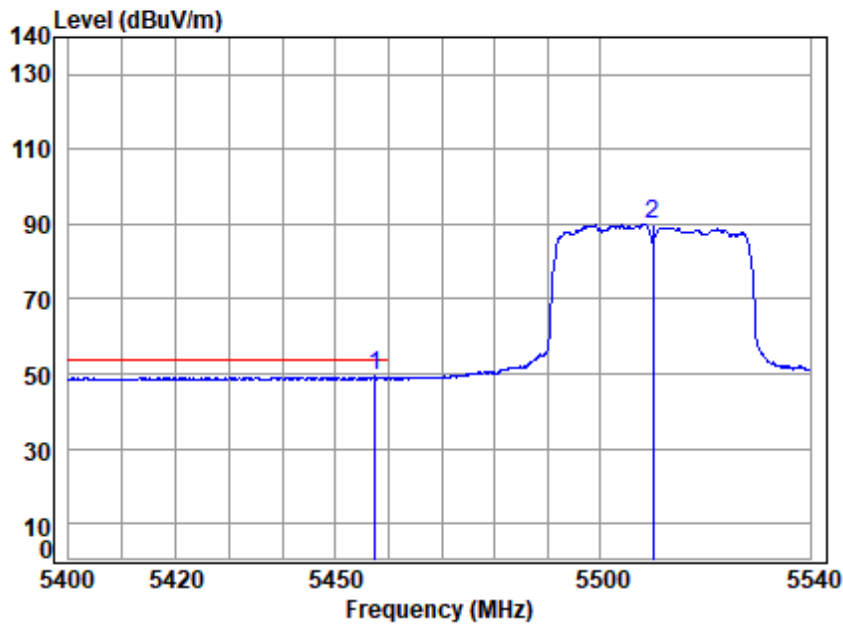
		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5456.967	19.25	34.67	31.44	39.89	62.37	74.00	-11.63	Peak
2	5468.152	19.27	34.63	31.45	40.83	63.28	68.20	-4.92	peak
3 p	5510.000	19.32	34.54	31.47	77.15	99.54	68.20	31.34	Peak



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Test Mode: 03; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



Site : chamber
Condition: 3m VERTICAL
Job No : 02444TL
Mode : 5510 Band edge
: 5G WIFI 11N40

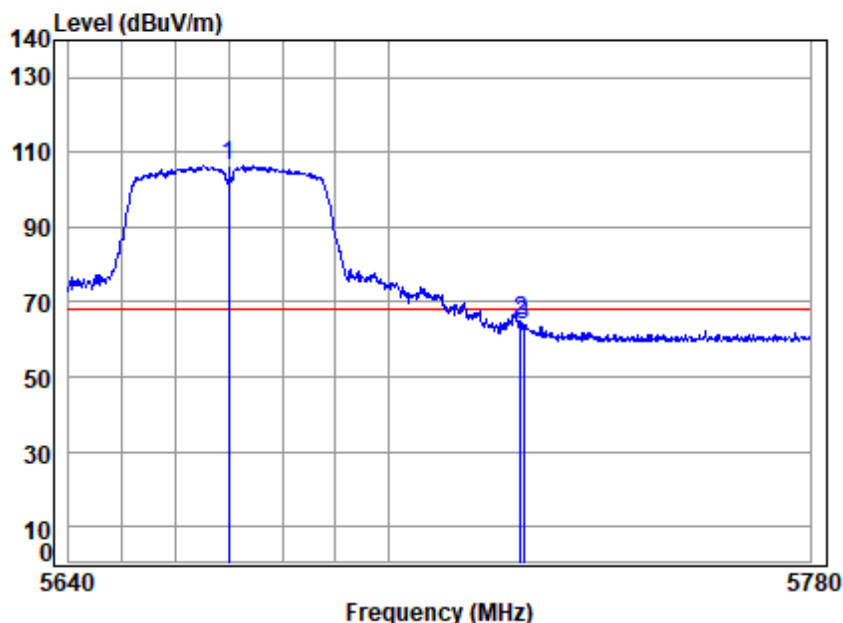
		Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 q 5457.526	19.25	34.67	31.44	26.76	49.24	54.00	-4.76	Average
2 5510.000	19.32	34.54	31.47	67.61	90.00	-----	-----	Average



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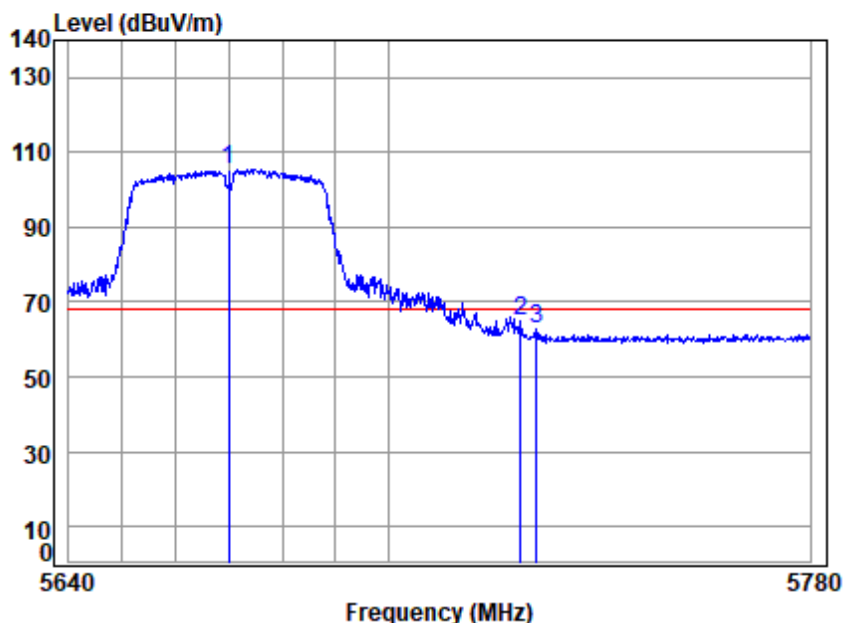
Test Mode: 03; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:High



Site : chamber
Condition: 3m HORIZONTAL
Job No : 02444TL
Mode : 5670 Band edge
: 5G WIFI 11N40

		Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 p 5670.000	19.42	34.36	31.54	84.36	106.60	68.20	38.40	peak
2 5725.000	19.46	34.25	31.57	43.07	65.21	68.20	-2.99	peak
3 5725.553	19.46	34.25	31.57	41.90	64.04	68.20	-4.16	peak

Test Mode: 03; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:High



Site : chamber

Condition: 3m VERTICAL

Job No : 02444TL

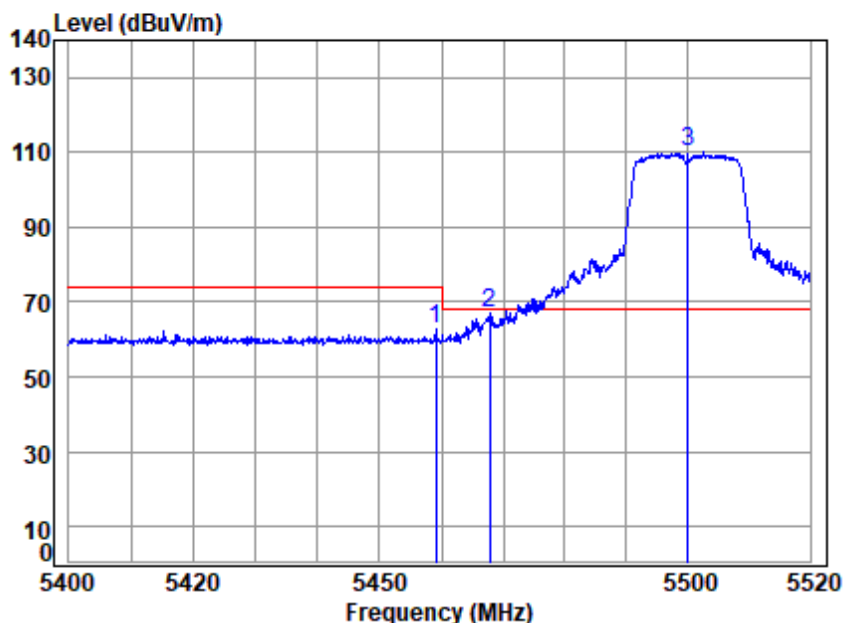
Mode : 5670 Band edge

: 5G WIFI 11N40

		Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 p 5670.000	19.42	34.36	31.54	83.21	105.45	68.20	37.25	Peak
2 5725.000	19.46	34.25	31.57	42.76	64.90	68.20	-3.30	Peak
3 5727.940	19.46	34.24	31.57	40.91	63.04	68.20	-5.16	Peak



Test Mode: 03; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:20MHz; Channel:Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 02444TL
Mode : 5500 Band edge
: 5G WIFI 11AC20

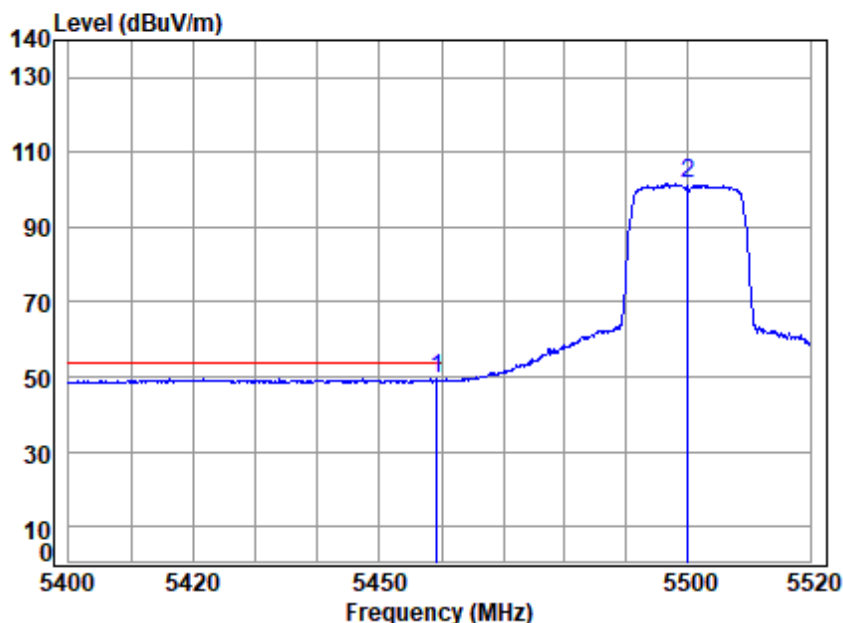
		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5459.070	19.26	34.66	31.44	40.33	62.81	74.00	-11.19	peak
2	5467.836	19.27	34.63	31.45	44.36	66.81	68.20	-1.39	peak
3 p	5500.000	19.31	34.50	31.46	87.68	110.03	68.20	41.83	peak



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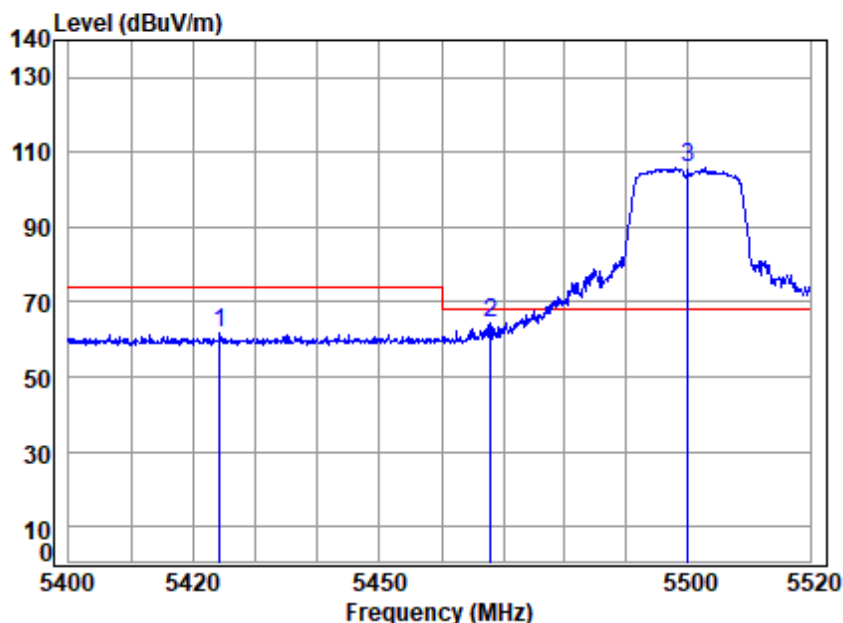
Test Mode: 03; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:20MHz; Channel:Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 02444TL
Mode : 5500 Band edge
: 5G WIFI 11AC20

		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 q	5459.190	19.26	34.66	31.44	26.86	49.34	54.00	-4.66 Average
2	5500.000	19.31	34.50	31.46	79.10	101.45	-----	----- Average

Test Mode: 03; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:Low



Site : chamber
Condition: 3m VERTICAL
Job No : 02444TL
Mode : 5500 Band edge
: 5G WIFI 11AC20

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5424.266	19.21	34.65	31.42	39.44	61.88	74.00	-12.12	Peak
2	5467.957	19.27	34.63	31.45	41.86	64.31	68.20	-3.89	peak
3 p	5500.000	19.31	34.50	31.46	83.72	106.07	68.20	37.87	Peak

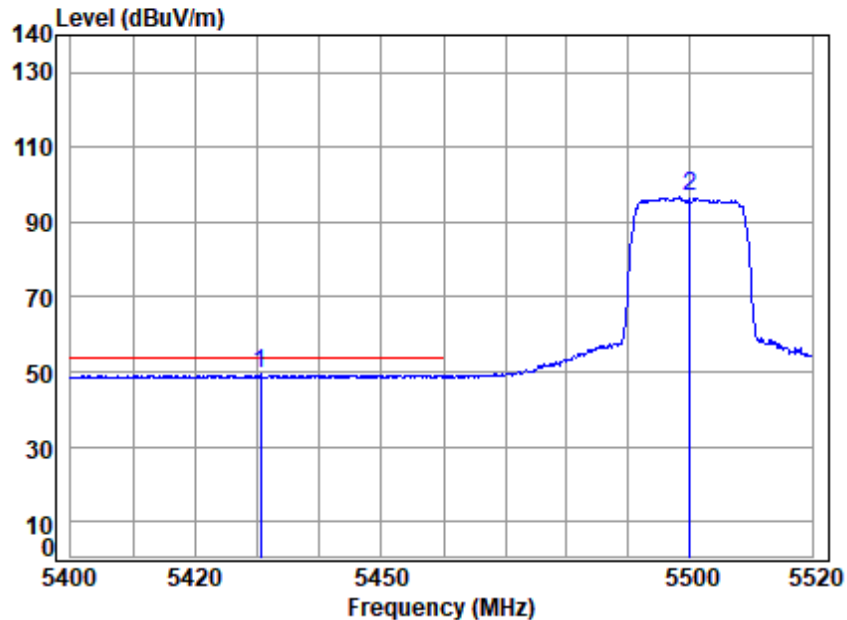
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Test Mode: 03; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:Low



Site : chamber
Condition: 3m VERTICAL
Job No : 02444TL
Mode : 5500 Band edge
: 5G WIFI 11AC20

		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 q	5430.469	19.22	34.66	31.43	26.98	49.43	54.00	-4.57 Average
2	5500.000	19.31	34.50	31.46	74.35	96.70	-----	----- Average



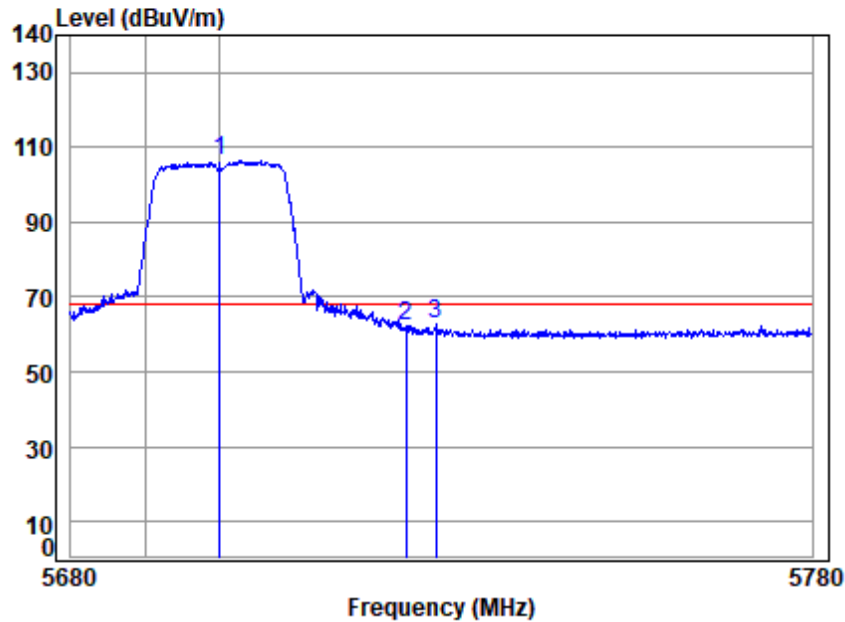
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Test Mode: 03; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:20MHz; Channel:High



Site : chamber
Condition: 3m HORIZONTAL
Job No : 02444TL
Mode : 5700 Band edge
: 5G WIFI 11AC20

		Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 p 5700.000	19.44	34.30	31.56	84.50	106.68	68.20	38.48	peak
2 5725.000	19.46	34.25	31.57	39.89	62.03	68.20	-6.17	peak
3 5728.982	19.46	34.24	31.57	40.88	63.01	68.20	-5.19	peak

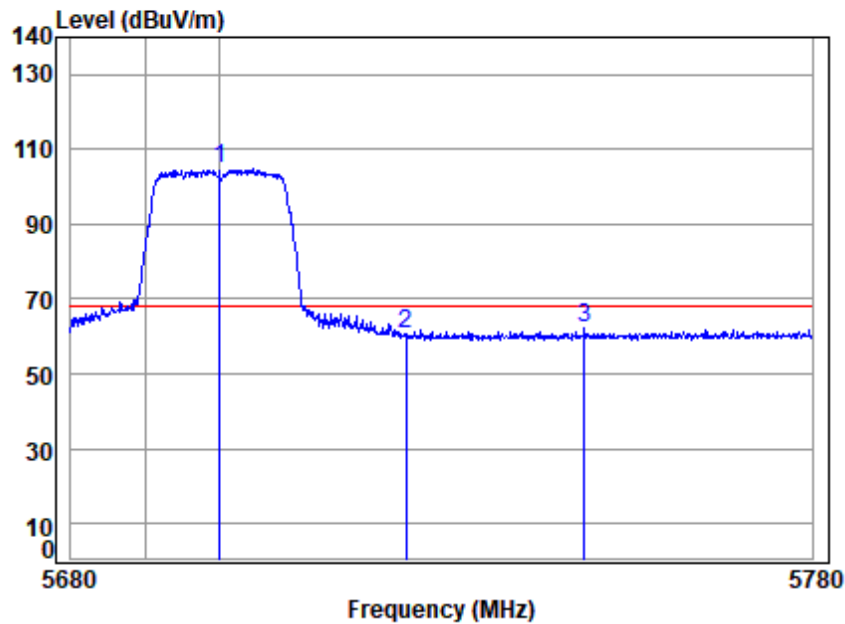
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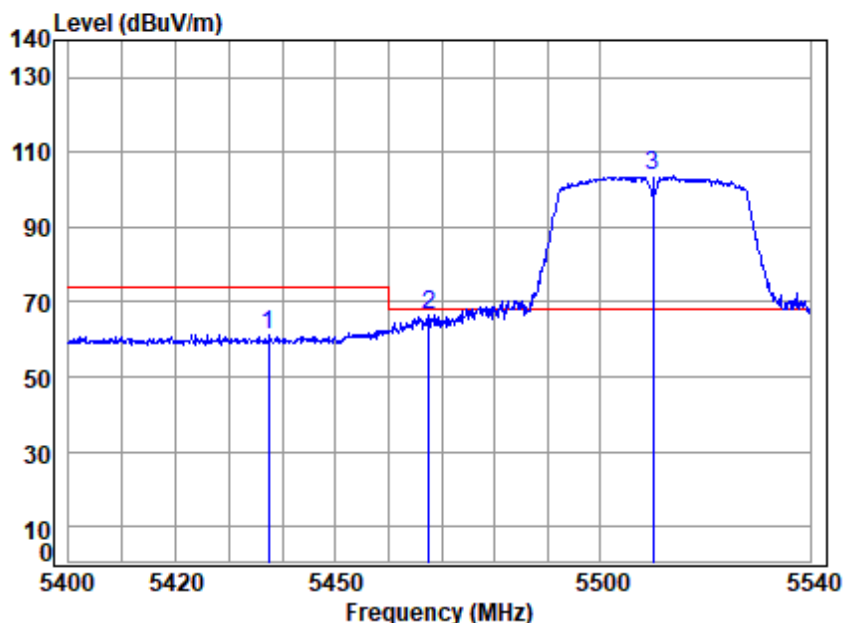
Test Mode: 03; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:High



Site : chamber
Condition: 3m VERTICAL
Job No : 02444TL
Mode : 5700 Band edge
: 5G WIFI 11AC20

		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 p	5700.000	19.44	34.30	31.56	82.79	104.97	68.20	36.77 Peak
2	5725.000	19.46	34.25	31.57	38.43	60.57	68.20	-7.63 Peak
3	5749.114	19.47	34.20	31.58	40.04	62.13	68.20	-6.07 Peak

Test Mode: 03; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:40MHz; Channel:Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 02444TL
Mode : 5510 Band edge
: 5G WIFI 11AC40

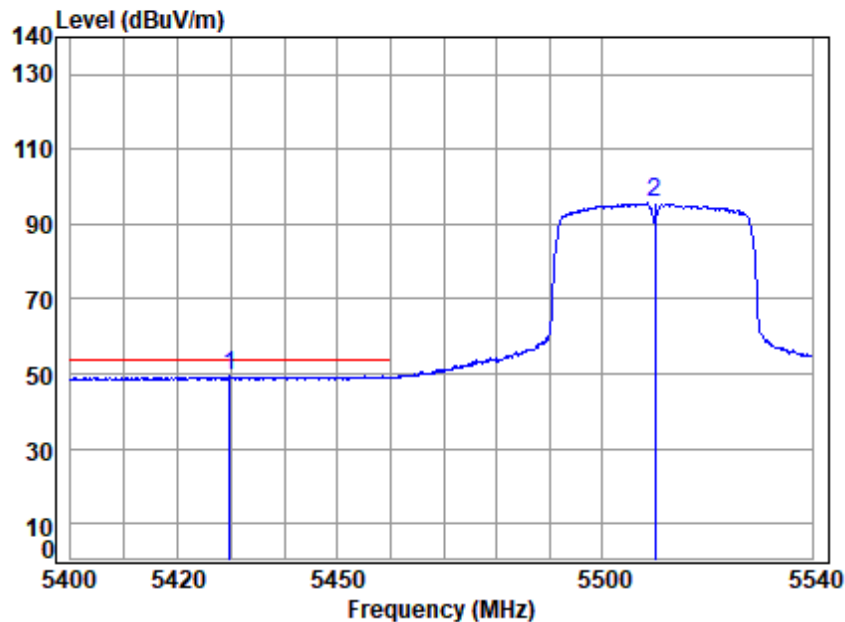
		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5437.448	19.23	34.67	31.43	38.80	61.27	74.00	-12.73 peak
2	5467.592	19.27	34.63	31.45	43.83	66.28	68.20	-1.92 peak
3 p	5510.000	19.32	34.54	31.47	81.17	103.56	68.20	35.36 peak



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Test Mode: 03; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:40MHz; Channel:Low

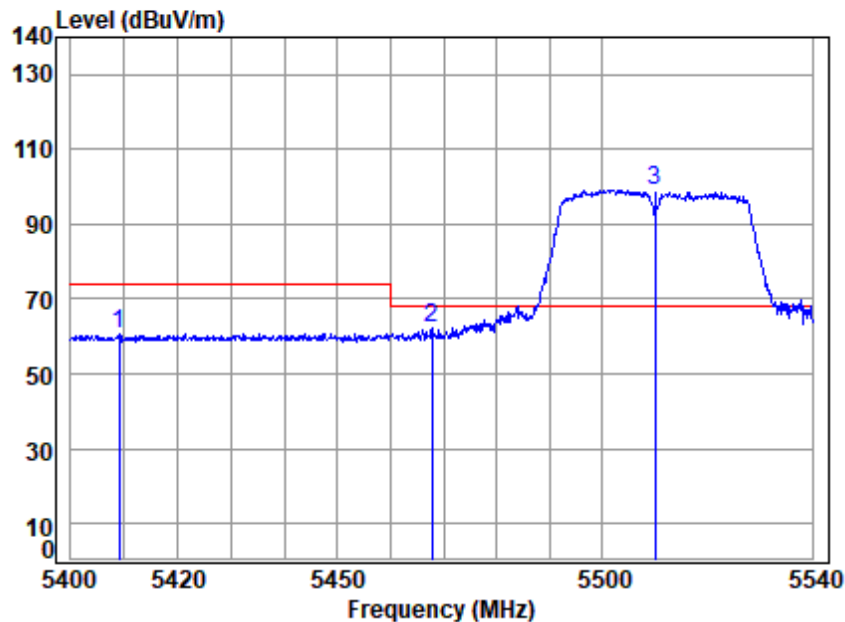


Site : chamber
Condition: 3m HORIZONTAL
Job No : 02444TL
Mode : 5510 Band edge
: 5G WIFI 11AC40

		Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 q 5429.798	19.22	34.66	31.43	26.89	49.34	54.00	-4.66	Average
2 5510.000	19.32	34.54	31.47	73.22	95.61	-----	-----	Average



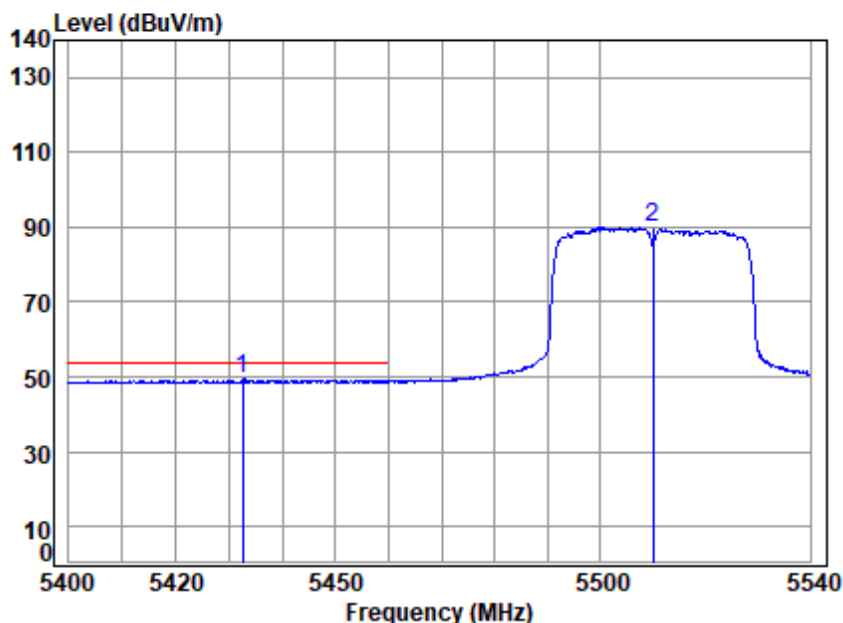
Test Mode: 03; Polarity: Vertical; Modulation:802.11ac; Bandwidth:40MHz; Channel:Low



Site : chamber
Condition: 3m VERTICAL
Job No : 02444TL
Mode : 5510 Band edge
: 5G WIFI 11AC40

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5408.992	19.19	34.62	31.42	38.46	60.85	74.00	-13.15	Peak
2	5467.732	19.27	34.63	31.45	39.82	62.27	68.20	-5.93	peak
3 p	5510.000	19.32	34.54	31.47	76.78	99.17	68.20	30.97	Peak

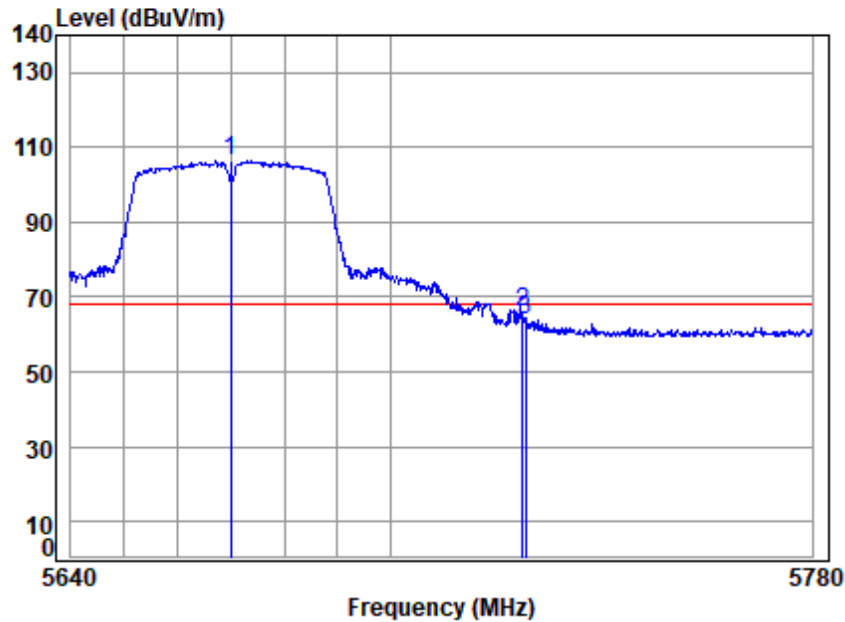
Test Mode: 03; Polarity: Vertical; Modulation:802.11ac; Bandwidth:40MHz; Channel:Low



Site : chamber
Condition: 3m VERTICAL
Job No : 02444TL
Mode : 5510 Band edge
: 5G WIFI 11AC40

		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 q	5432.439	19.22	34.66	31.43	26.82	49.27	54.00	-4.73 Average
2	5510.000	19.32	34.54	31.47	67.51	89.90	-----	----- Average

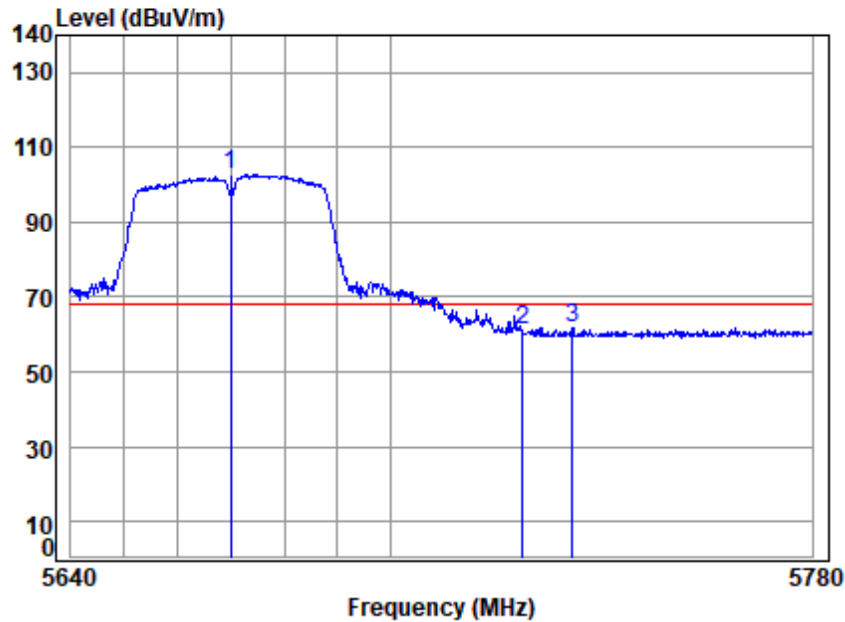
Test Mode: 03; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:40MHz; Channel:High



Site : chamber
Condition: 3m HORIZONTAL
Job No : 02444TL
Mode : 5670 Band edge
: 5G WIFI 11AC40

		Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 p 5670.000	19.42	34.36	31.54	84.43	106.67	68.20	38.47	peak
2 5725.000	19.46	34.25	31.57	43.95	66.09	68.20	-2.11	peak
3 5725.553	19.46	34.25	31.57	41.92	64.06	68.20	-4.14	peak

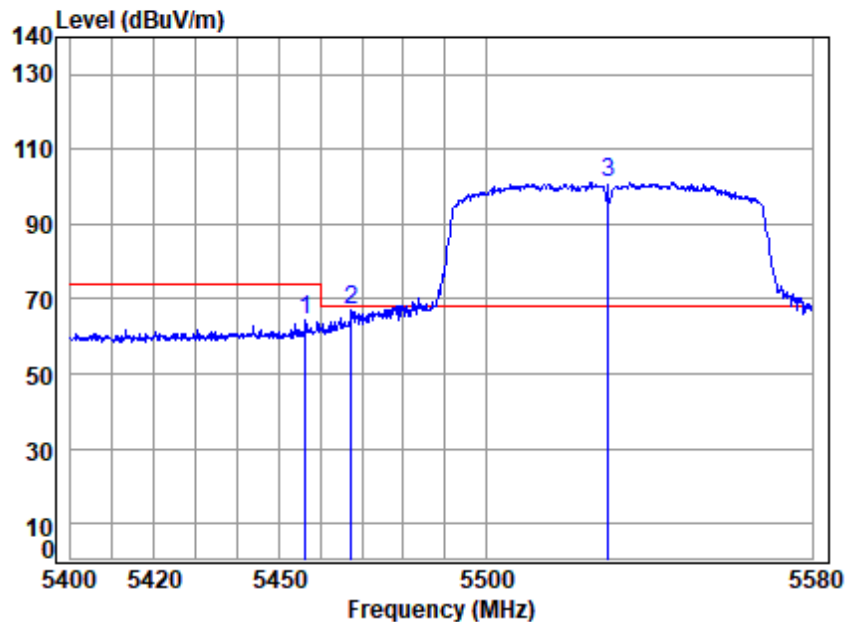
Test Mode: 03; Polarity: Vertical; Modulation:802.11ac; Bandwidth:40MHz; Channel:High



Site : chamber
Condition: 3m VERTICAL
Job No : 02444TL
Mode : 5670 Band edge
: 5G WIFI 11AC40

		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 p	5670.000	19.42	34.36	31.54	80.68	102.92	68.20	34.72 Peak
2	5725.000	19.46	34.25	31.57	39.18	61.32	68.20	-6.88 Peak
3	5734.404	19.46	34.23	31.58	39.60	61.71	68.20	-6.49 Peak

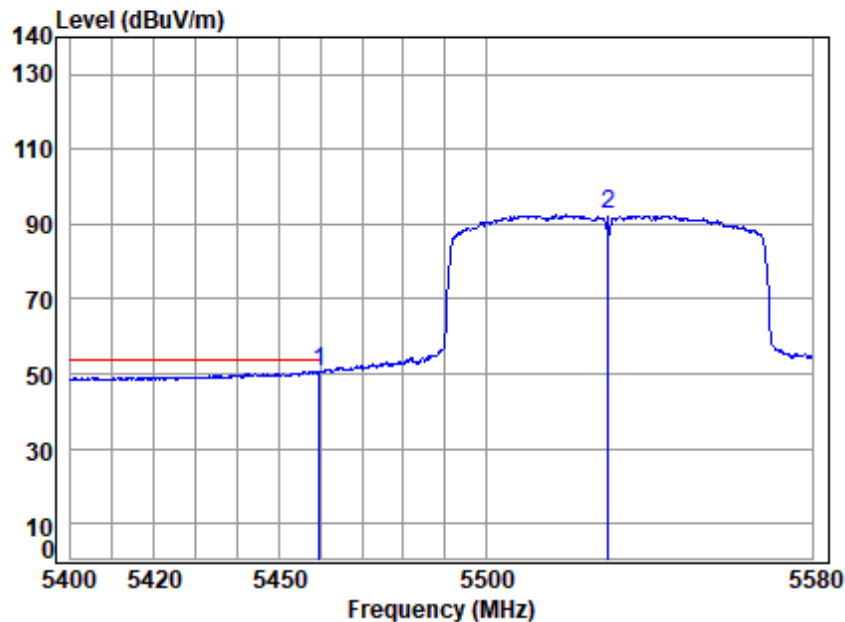
Test Mode: 03; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:80MHz; Channel:Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 02444TL
Mode : 5530 Band edge
: 5G WIFI 11AC80

		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5456.244	19.25	34.68	31.44	41.69	64.18	74.00	-9.82 peak
2	5467.526	19.27	34.63	31.45	44.43	66.88	68.20	-1.32 peak
3 p	5530.000	19.33	34.62	31.48	78.87	101.34	68.20	33.14 peak

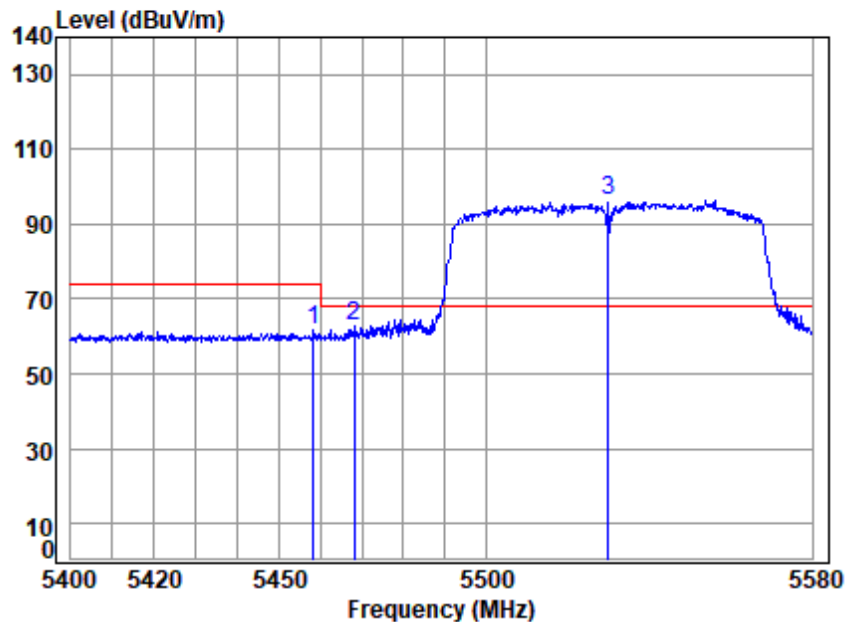
Test Mode: 03; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:80MHz; Channel:Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 02444TL
Mode : 5530 Band edge
: 5G WIFI 11AC80

		Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 q 5459.644	19.26	34.66	31.44	28.17	50.65	54.00	-3.35	Average
2 5530.000	19.33	34.62	31.48	69.96	92.43	-----	-----	Average

Test Mode: 03; Polarity: Vertical; Modulation:802.11ac; Bandwidth:80MHz; Channel:Low



Site : chamber

Condition: 3m VERTICAL

Job No : 02444TL

Mode : 5530 Band edge

: 5G WIFI 11AC80

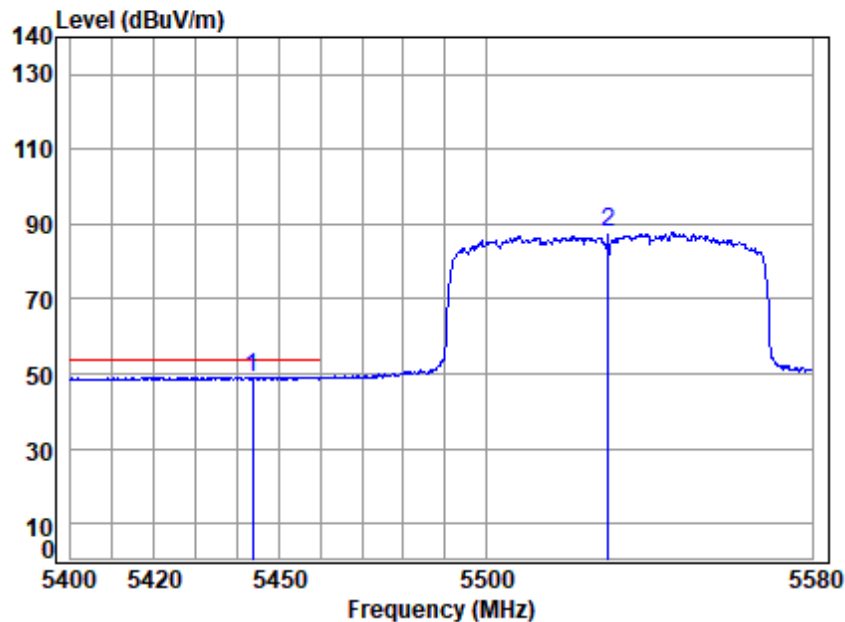
		Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5458.391	19.26	34.67	31.44	39.26	61.75	74.00	-12.25 Peak
2	5468.064	19.27	34.63	31.45	40.52	62.97	68.20	-5.23 peak
3 p	5530.000	19.33	34.62	31.48	74.04	96.51	68.20	28.31 Peak



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Test Mode: 03; Polarity: Vertical; Modulation:802.11ac; Bandwidth:80MHz; Channel:Low



Site : chamber

Condition: 3m VERTICAL

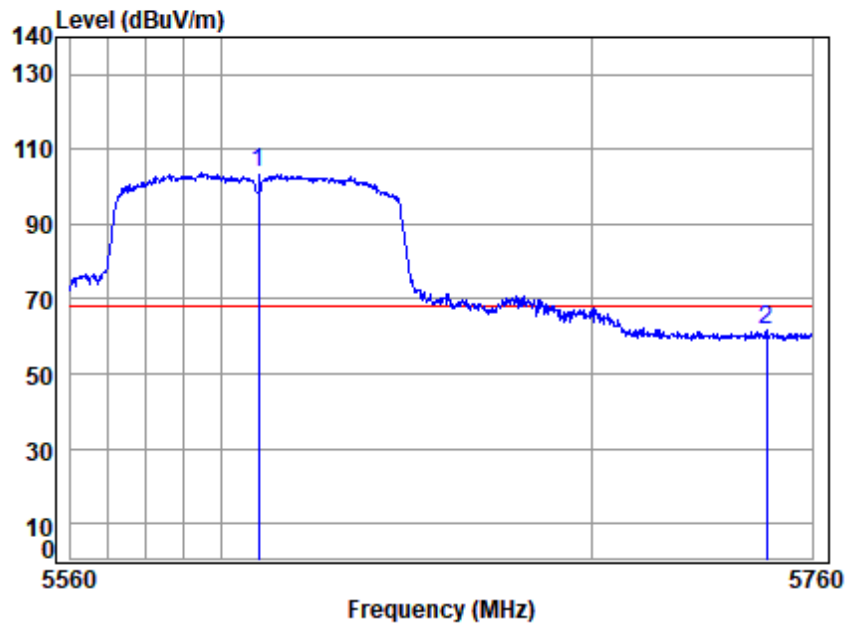
Job No : 02444TL

Mode : 5530 Band edge

: 5G WIFI 11AC80

		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 q	5443.556	19.24	34.69	31.43	26.73	49.23	54.00	-4.77 Average
2	5530.000	19.33	34.62	31.48	65.32	87.79	-----	----- Average

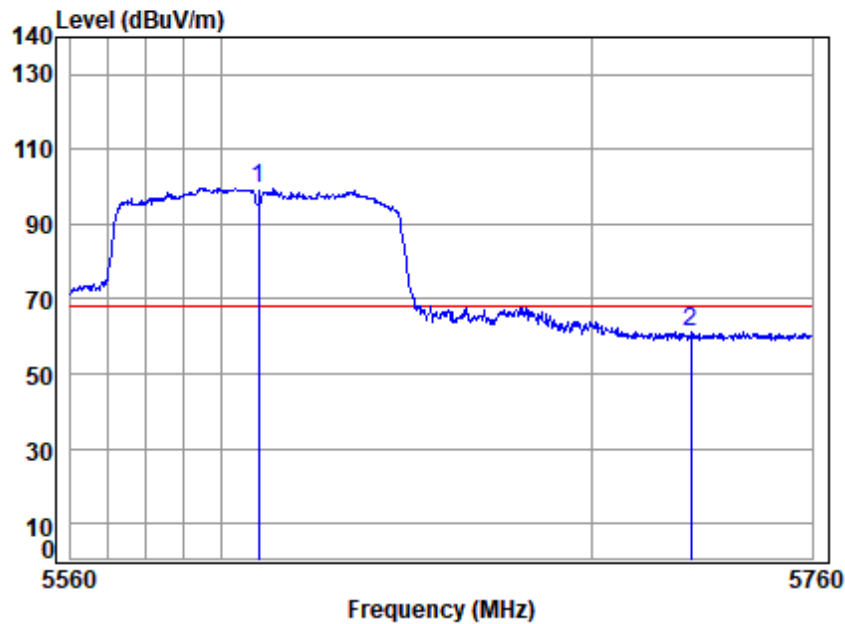
Test Mode: 03; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:80MHz; Channel:High



Site : chamber
Condition: 3m HORIZONTAL
Job No : 02444TL
Mode : 5610 Band edge
: 5G WIFI 11AC80

		Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 p 5610.000	19.38	34.64	31.52	81.05	103.55	68.20	35.35	peak
2 5747.597	19.47	34.20	31.58	39.62	61.71	68.20	-6.49	peak

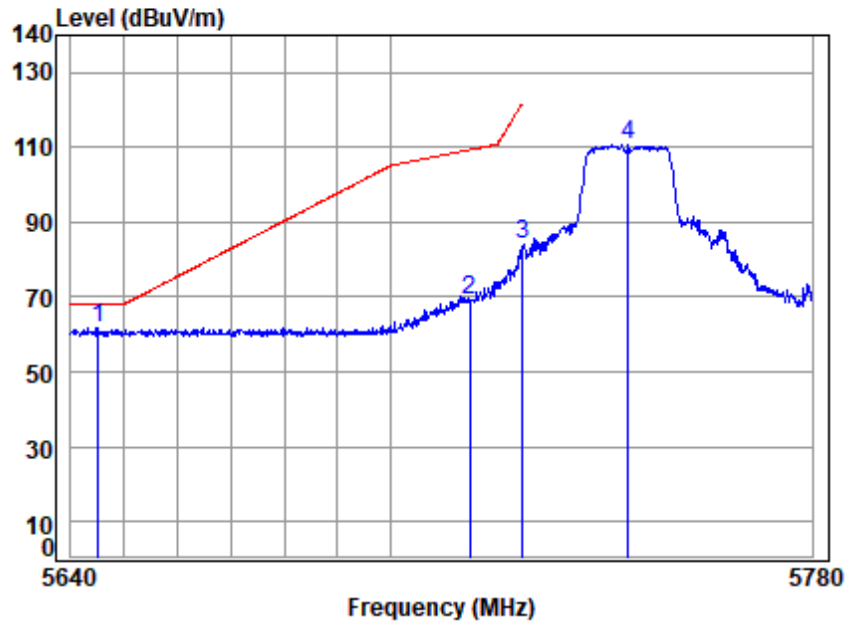
Test Mode: 03; Polarity: Vertical; Modulation:802.11ac; Bandwidth:80MHz; Channel:High



Site : chamber
Condition: 3m VERTICAL
Job No : 02444TL
Mode : 5610 Band edge
: 5G WIFI 11AC80

		Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 p 5610.000	19.38	34.64	31.52	77.04	99.54	68.20	31.34	Peak
2 5726.916	19.46	34.25	31.57	39.25	61.39	68.20	-6.81	Peak

Test Mode: 04; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 02444TL
Mode : 5745 Band edge
: 5G WIFI 11A

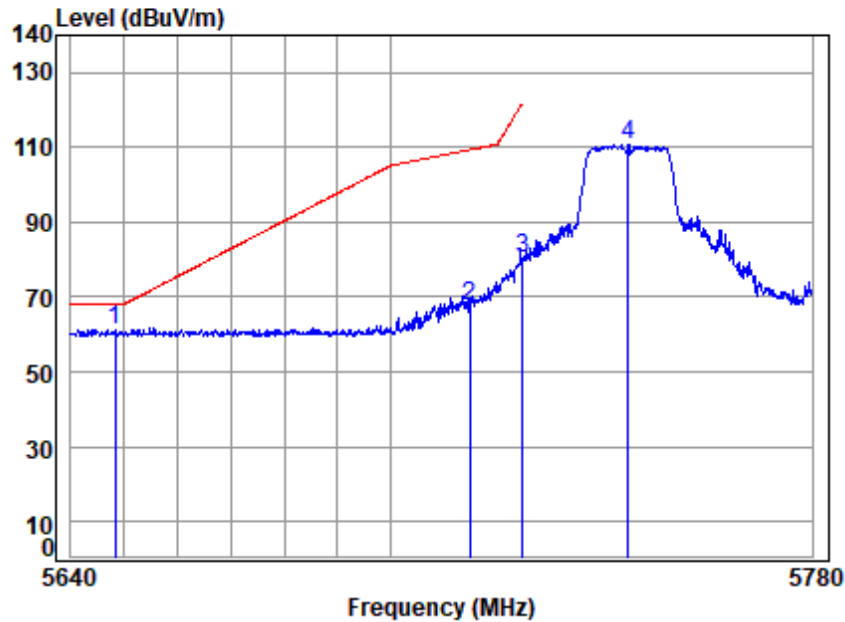
		Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 p 5645.119	19.41	34.43	31.53	39.55	61.86	68.20	-6.34	peak
2 5715.000	19.45	34.27	31.57	47.26	69.41	109.40	-39.99	peak
3 5725.000	19.46	34.25	31.57	61.71	83.85	122.20	-38.35	peak
4 5745.000	19.47	34.21	31.58	88.51	110.61	-----	-----	peak



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Test Mode: 04; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low

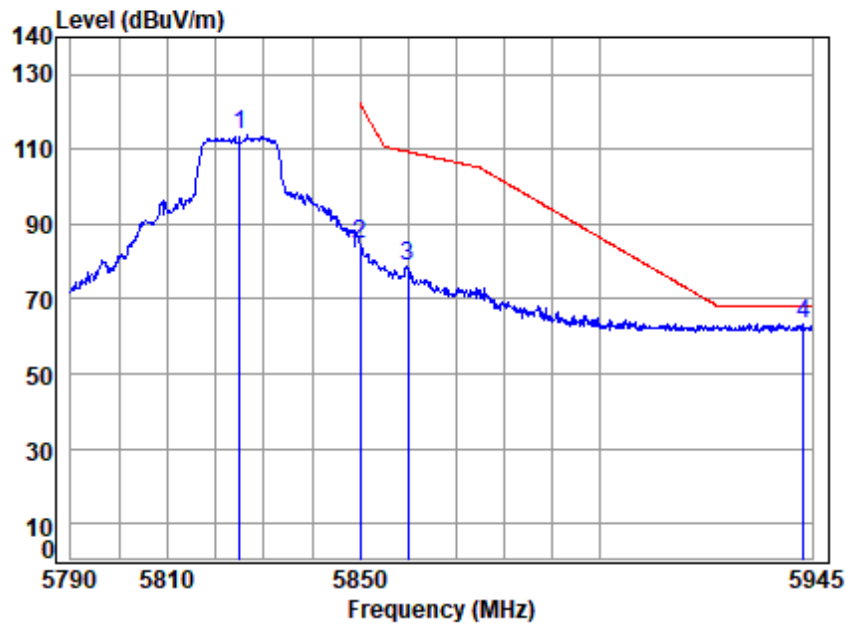


Site : chamber
Condition: 3m VERTICAL
Job No : 02444TL
Mode : 5745 Band edge
: 5G WIFI 11A

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 p 5648.304		19.41	34.41	31.53	38.91	61.20	68.20	-7.00 peak
2 5715.000		19.45	34.27	31.57	45.40	67.55	109.40	-41.85 peak
3 5725.000		19.46	34.25	31.57	58.27	80.41	122.20	-41.79 peak
4 5745.000		19.47	34.21	31.58	88.66	110.76	-----	----- peak



Test Mode: 04; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:High

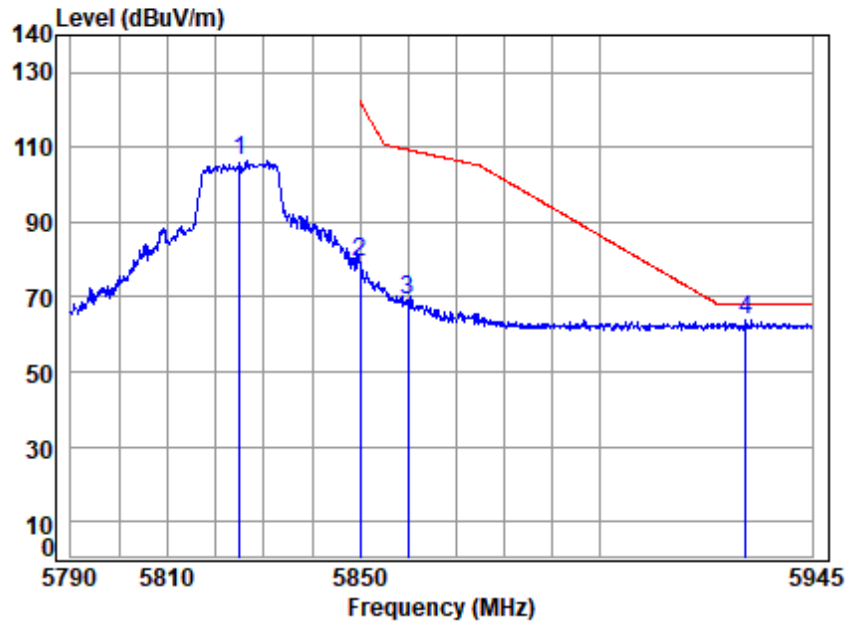


Site : chamber
Condition: 3m HORIZONTAL
Job No : 02444TL
Mode : 5825 Band edge
: 5G WIFI 11A

		Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 5825.000	19.52	34.35	31.62	91.41	113.66	-----	-----	peak
2 5850.000	19.54	34.40	31.63	62.28	84.59	122.20	-37.61	peak
3 5860.000	19.54	34.44	31.64	56.26	78.60	109.40	-30.80	peak
4 p 5943.272	19.60	34.69	31.67	40.88	63.50	68.20	-4.70	peak



Test Mode: 04; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:High

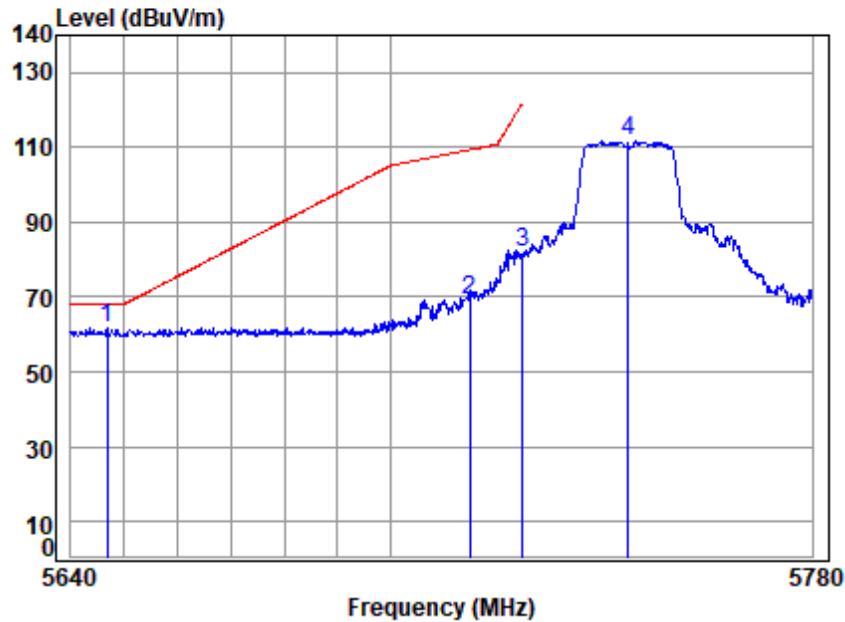


Site : chamber
Condition: 3m VERTICAL
Job No : 02444TL
Mode : 5825 Band edge
: 5G WIFI 11A

		Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 5825.000	19.52	34.35	31.62	84.23	106.48	-----	-----	peak
2 5850.000	19.54	34.40	31.63	56.80	79.11	122.20	-43.09	peak
3 5860.000	19.54	34.44	31.64	46.91	69.25	109.40	-40.15	peak
4 p 5931.039	19.59	34.66	31.67	41.10	63.68	68.20	-4.52	peak



Test Mode: 04; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:Low

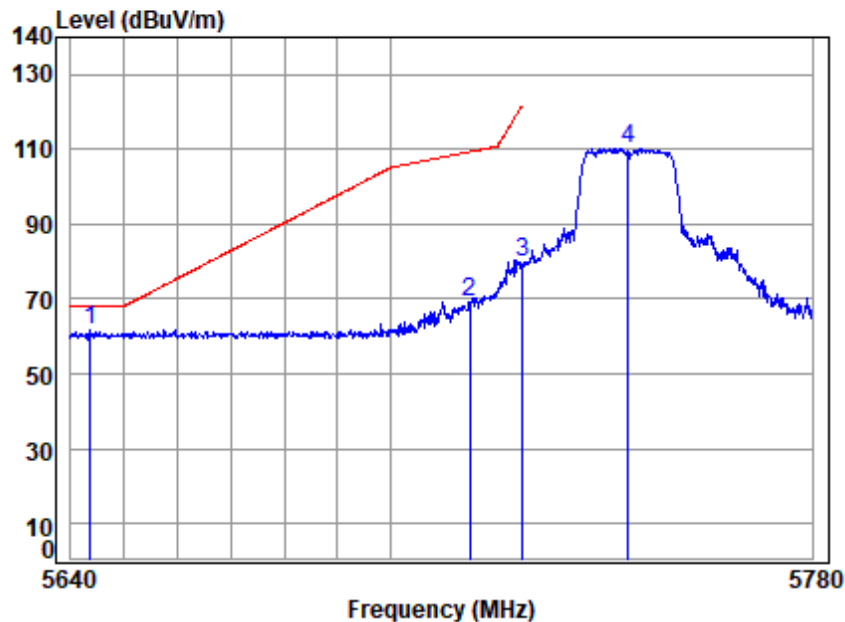


Site : chamber
Condition: 3m HORIZONTAL
Job No : 02444TL
Mode : 5745 Band edge
: 5G WIFI 11N20

		Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 p 5646.780	19.41	34.42	31.53	39.29	61.59	68.20	-6.61	peak
2 5715.000	19.45	34.27	31.57	47.04	69.19	109.40	-40.21	peak
3 5725.000	19.46	34.25	31.57	59.65	81.79	122.20	-40.41	peak
4 5745.000	19.47	34.21	31.58	89.44	111.54	-----	-----	peak



Test Mode: 04; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



Site : chamber
Condition: 3m VERTICAL
Job No : 02444TL
Mode : 5745 Band edge
: 5G WIFI 11N20

		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 p	5643.735	19.40	34.44	31.53	39.68	61.99	68.20	-6.21 peak
2	5715.000	19.45	34.27	31.57	46.82	68.97	109.40	-40.43 peak
3	5725.000	19.46	34.25	31.57	57.46	79.60	122.20	-42.60 peak
4	5745.000	19.47	34.21	31.58	88.26	110.36	-----	----- peak



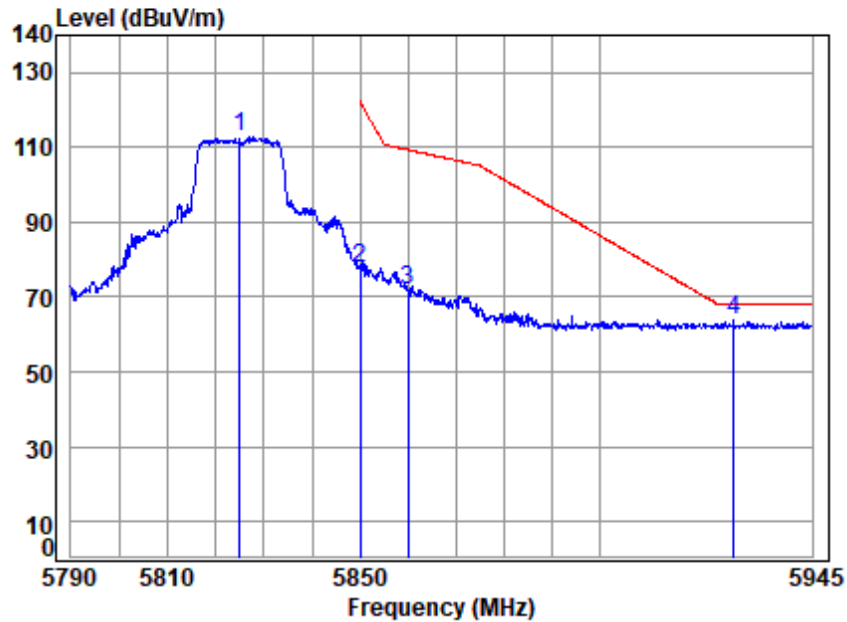
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中国·广东·深圳市南山区科技园中区M-10栋1号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

Test Mode: 04; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:High

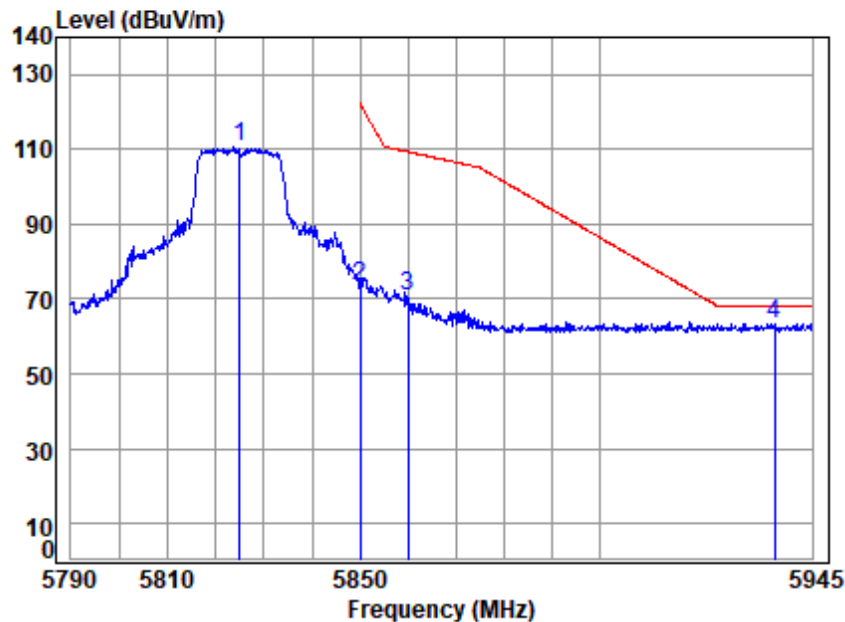


Site : chamber
Condition: 3m HORIZONTAL
Job No : 02444TL
Mode : 5825 Band edge
: 5G WIFI 11N20

		Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 5825.000	19.52	34.35	31.62	90.52	112.77	-----	-----	peak
2 5850.000	19.54	34.40	31.63	55.24	77.55	122.20	-44.65	peak
3 5860.000	19.54	34.44	31.64	49.72	72.06	109.40	-37.34	peak
4 p 5928.375	19.59	34.66	31.67	41.31	63.89	68.20	-4.31	peak



Test Mode: 04; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:High

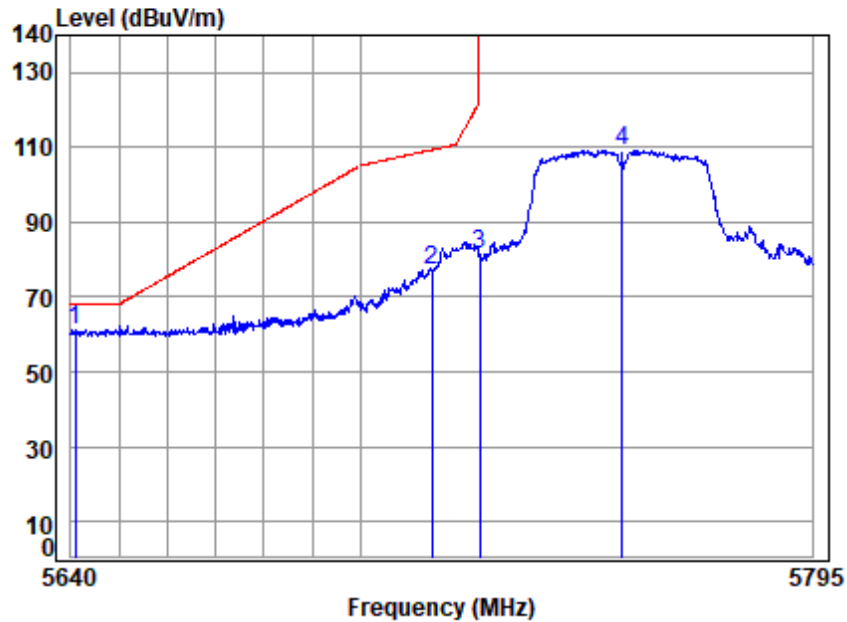


Site : chamber
Condition: 3m VERTICAL
Job No : 02444TL
Mode : 5825 Band edge
: 5G WIFI 11N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5825.000	19.52	34.35	31.62	88.43	110.68	-----	-----	peak
2	5850.000	19.54	34.40	31.63	51.05	73.36	122.20	-48.84	peak
3	5860.000	19.54	34.44	31.64	48.26	70.60	109.40	-38.80	peak
4 p	5937.152	19.59	34.67	31.67	40.98	63.57	68.20	-4.63	peak



Test Mode: 04; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 02444TL
Mode : 5755 Band edge
: 5G WIFI 11N40

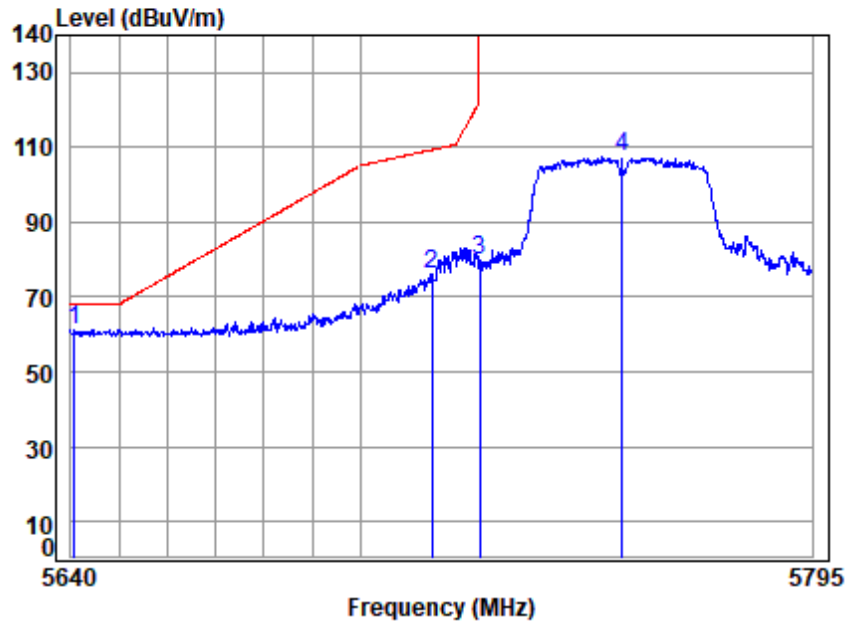
		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 p	5640.917	19.40	34.45	31.53	39.10	61.42	68.20	-6.78 peak
2	5715.000	19.45	34.27	31.57	54.84	76.99	109.40	-32.41 peak
3	5725.000	19.46	34.25	31.57	59.52	81.66	122.20	-40.54 peak
4	5755.000	19.48	34.21	31.59	87.15	109.25	-----	----- peak



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Test Mode: 04; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:Low

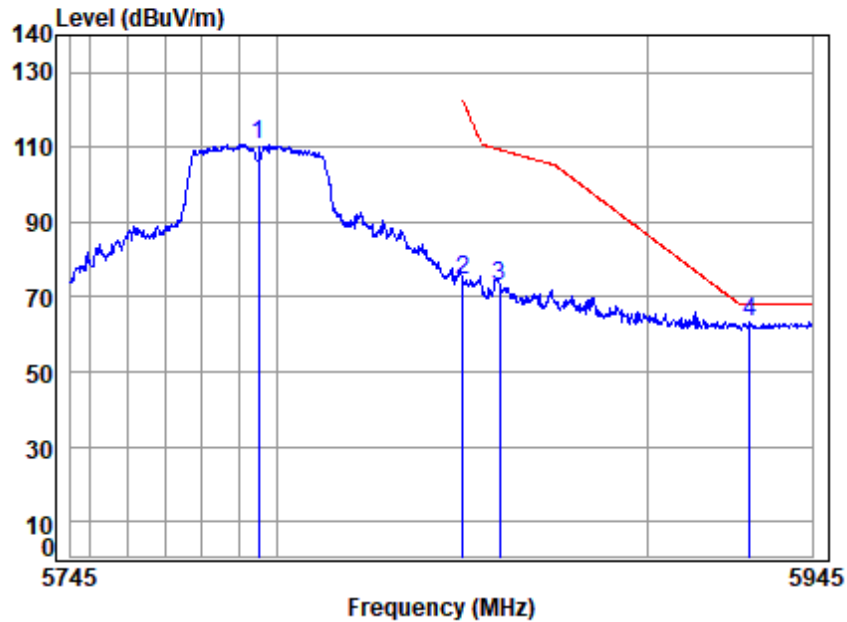


Site : chamber
Condition: 3m VERTICAL
Job No : 02444TL
Mode : 5755 Band edge
: 5G WIFI 11N40

		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 p	5640.765	19.40	34.46	31.53	38.97	61.30	68.20	-6.90 peak
2	5715.000	19.45	34.27	31.57	53.88	76.03	109.40	-33.37 peak
3	5725.000	19.46	34.25	31.57	57.57	79.71	122.20	-42.49 peak
4	5755.000	19.48	34.21	31.59	85.21	107.31	-----	----- peak



Test Mode: 04; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:High

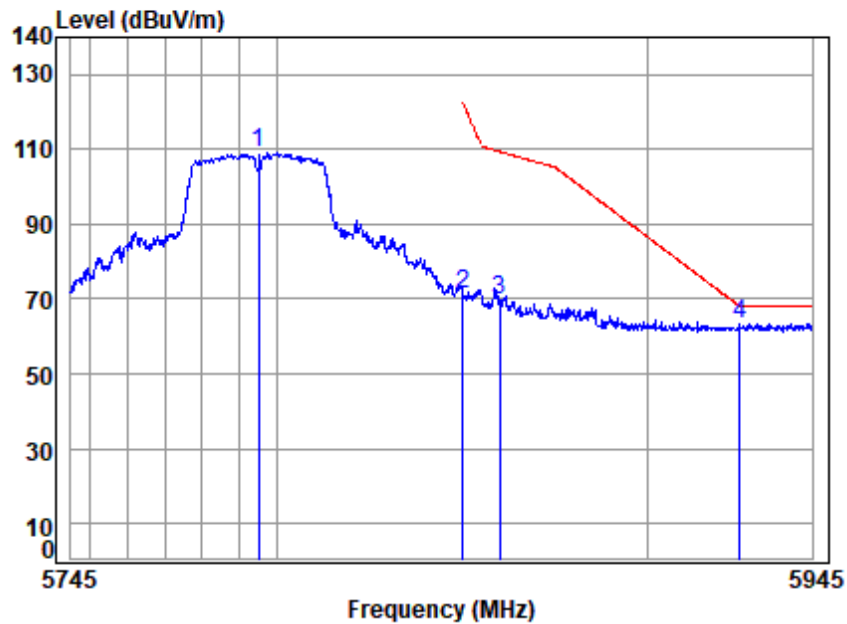


Site : chamber
Condition: 3m HORIZONTAL
Job No : 02444TL
Mode : 5795 Band edge
: 5G WIFI 11N40

		Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5795.000	19.50	34.29	31.60	88.54	110.73	-----	peak
2	5850.000	19.54	34.40	31.63	52.22	74.53	122.20	-47.67 peak
3	5860.000	19.54	34.44	31.64	50.60	72.94	109.40	-36.46 peak
4 p	5927.936	19.59	34.66	31.67	41.01	63.59	68.20	-4.61 peak



Test Mode: 04; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:High

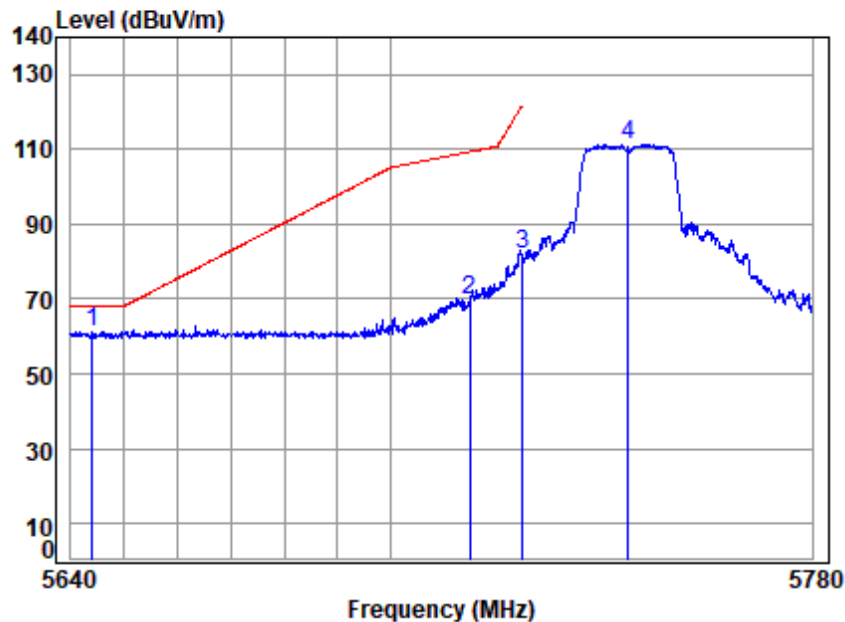


Site : chamber
Condition: 3m VERTICAL
Job No : 02444TL
Mode : 5795 Band edge
: 5G WIFI 11N40

		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5795.000	19.50	34.29	31.60	86.75	108.94	-----	----- peak
2	5850.000	19.54	34.40	31.63	49.02	71.33	122.20	-50.87 peak
3	5860.000	19.54	34.44	31.64	47.22	69.56	109.40	-39.84 peak
4 p	5925.096	19.58	34.65	31.67	40.95	63.51	68.20	-4.69 peak



Test Mode: 04; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:20MHz; Channel:Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 02444TL
Mode : 5745 Band edge
: 5G WIFI 11AC20

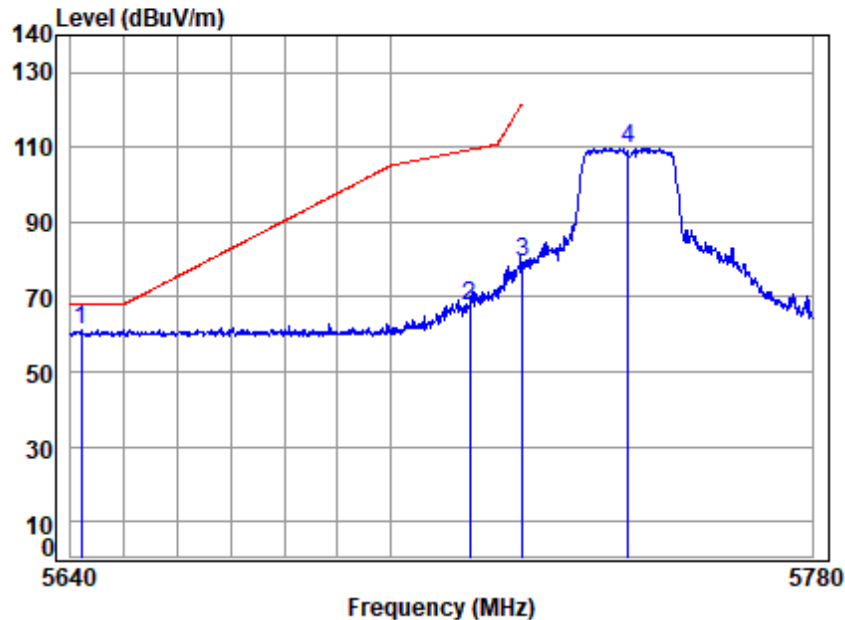
		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 p	5644.012	19.41	34.44	31.53	39.05	61.37	68.20	-6.83 peak
2	5715.000	19.45	34.27	31.57	47.71	69.86	109.40	-39.54 peak
3	5725.000	19.46	34.25	31.57	59.85	81.99	122.20	-40.21 peak
4	5745.000	19.47	34.21	31.58	89.11	111.21	-----	----- peak



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Test Mode: 04; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:Low

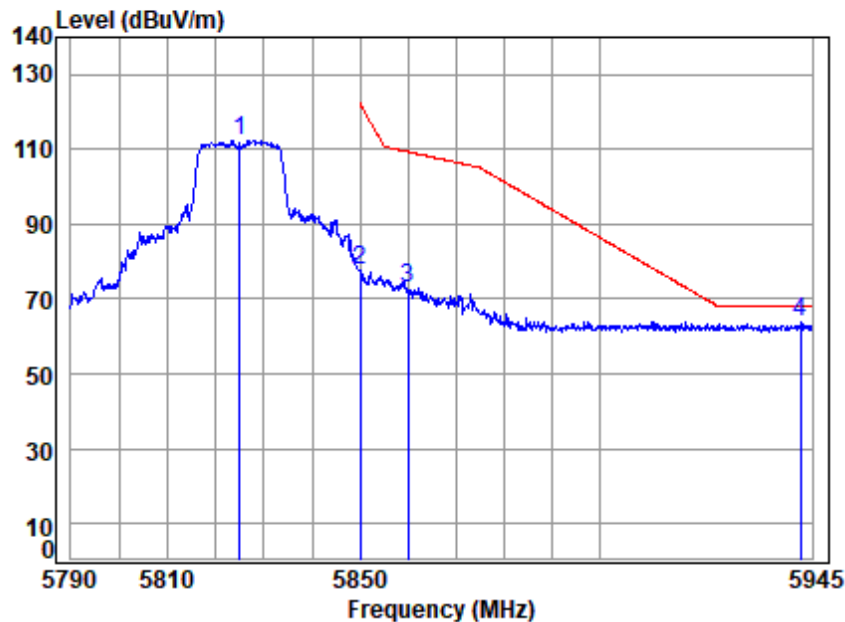


Site : chamber
Condition: 3m VERTICAL
Job No : 02444TL
Mode : 5745 Band edge
: 5G WIFI 11AC20

		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 p	5641.937	19.40	34.45	31.53	39.02	61.34	68.20	-6.86 peak
2	5715.000	19.45	34.27	31.57	45.37	67.52	109.40	-41.88 peak
3	5725.000	19.46	34.25	31.57	57.06	79.20	122.20	-43.00 peak
4	5745.000	19.47	34.21	31.58	87.80	109.90	-----	----- peak



Test Mode: 04; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:20MHz; Channel:High

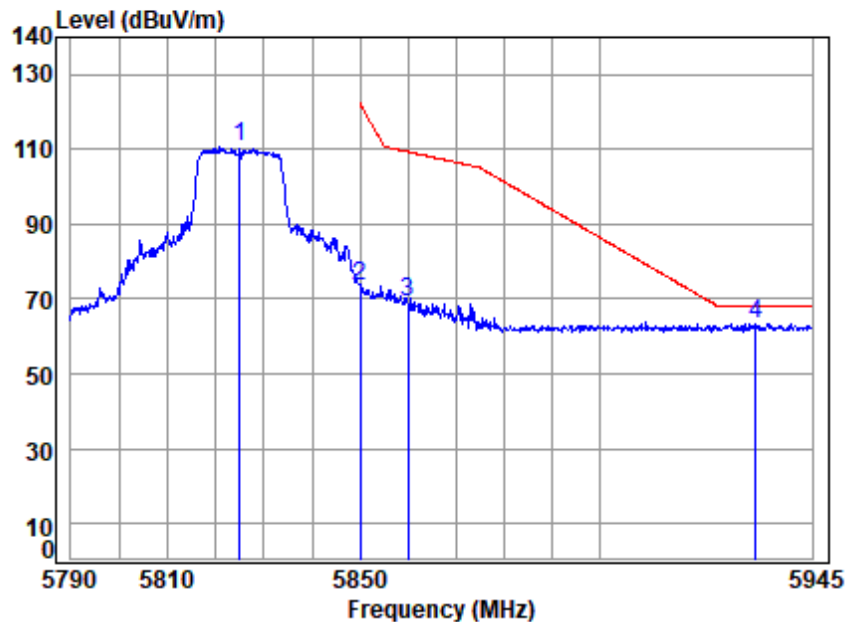


Site : chamber
Condition: 3m HORIZONTAL
Job No : 02444TL
Mode : 5825 Band edge
: 5G WIFI 11AC20

	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	5825.000	19.52	34.35	31.62	90.33	112.58	-----	-----	peak
2	5850.000	19.54	34.40	31.63	55.45	77.76	122.20	-44.44	peak
3	5860.000	19.54	34.44	31.64	50.45	72.79	109.40	-36.61	peak
4 p	5942.488	19.59	34.68	31.67	41.16	63.76	68.20	-4.44	peak



Test Mode: 04; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:High

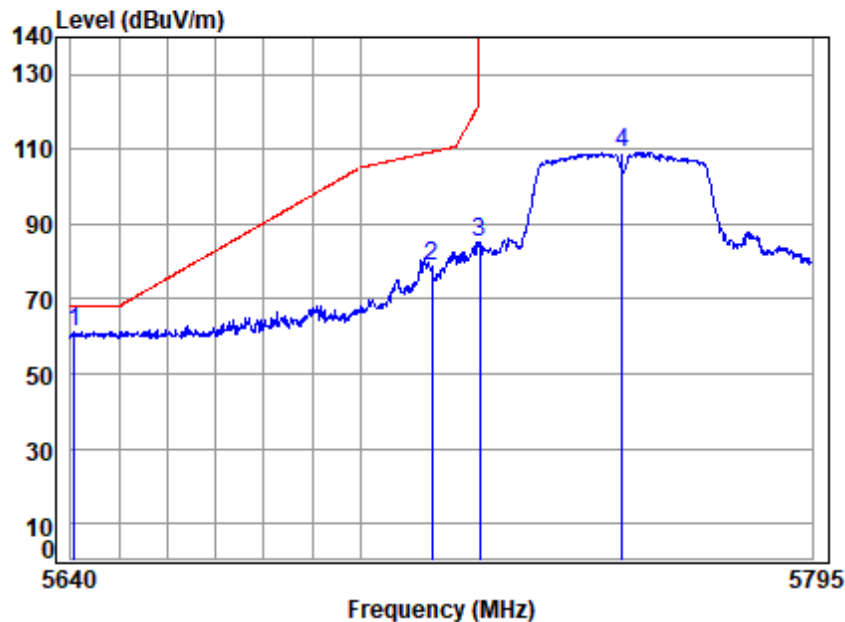


Site : chamber
Condition: 3m VERTICAL
Job No : 02444TL
Mode : 5825 Band edge
: 5G WIFI 11AC20

		Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 5825.000	19.52	34.35	31.62	88.36	110.61	-----	-----	peak
2 5850.000	19.54	34.40	31.63	51.19	73.50	122.20	-48.70	peak
3 5860.000	19.54	34.44	31.64	47.03	69.37	109.40	-40.03	peak
4 p 5933.076	19.59	34.67	31.67	40.88	63.47	68.20	-4.73	peak



Test Mode: 04; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:40MHz; Channel:Low

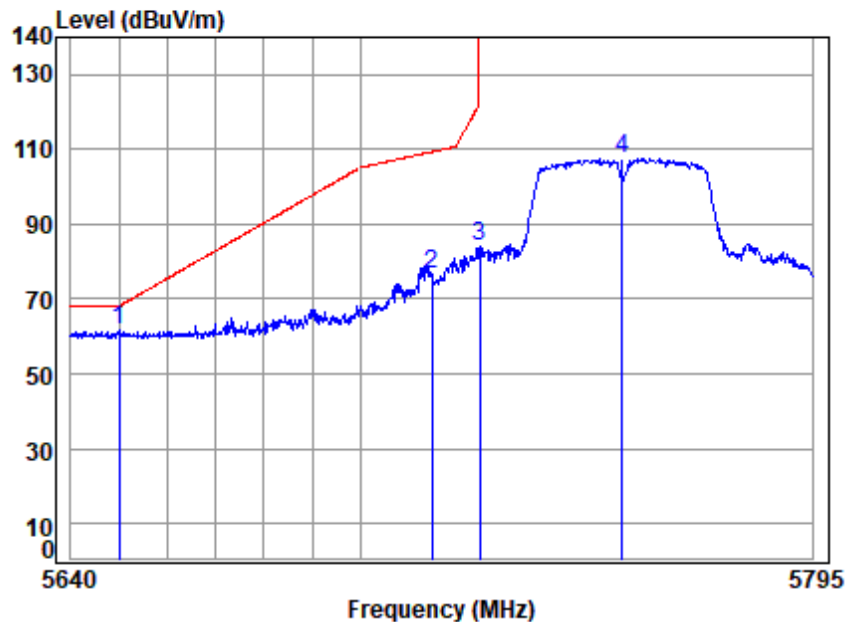


Site : chamber
Condition: 3m HORIZONTAL
Job No : 02444TL
Mode : 5755 Band edge
: 5G WIFI 11AC40

		Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 p 5640.765	19.40	34.46	31.53	39.15	61.48	68.20	-6.72	peak
2 5715.000	19.45	34.27	31.57	56.71	78.86	109.40	-30.54	peak
3 5725.000	19.46	34.25	31.57	63.22	85.36	122.20	-36.84	peak
4 5755.000	19.48	34.21	31.59	87.25	109.35	-----	-----	peak



Test Mode: 04; Polarity: Vertical; Modulation:802.11ac; Bandwidth:40MHz; Channel:Low



Site : chamber
Condition: 3m VERTICAL
Job No : 02444TL
Mode : 5755 Band edge
: 5G WIFI 11AC40

		Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 p 5649.948	19.41	34.40	31.54	39.50	61.77	68.20	-6.43	peak
2 5715.000	19.45	34.27	31.57	54.43	76.58	109.40	-32.82	peak
3 5725.000	19.46	34.25	31.57	62.02	84.16	122.20	-38.04	peak
4 5755.000	19.48	34.21	31.59	85.57	107.67	-----	-----	peak



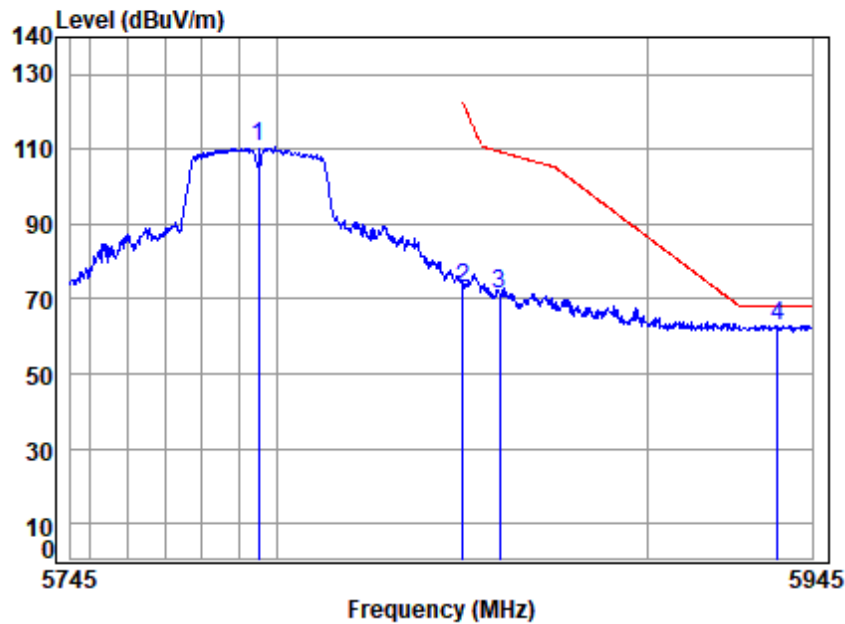
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Test Mode: 04; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:40MHz; Channel:High

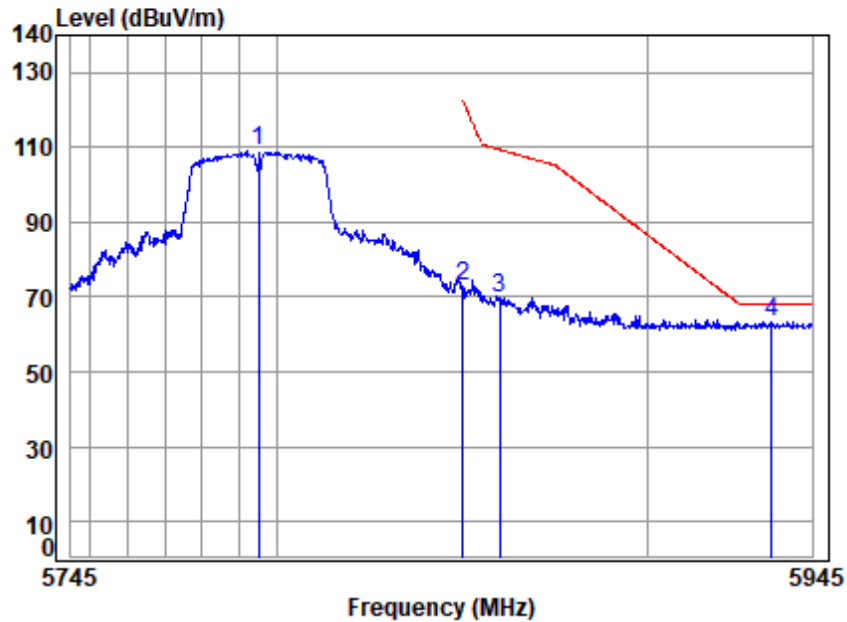


Site : chamber
Condition: 3m HORIZONTAL
Job No : 02444TL
Mode : 5795 Band edge
: 5G WIFI 11AC40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5795.000	19.50	34.29	31.60	88.50	110.69	-----	-----	peak
2	5850.000	19.54	34.40	31.63	50.83	73.14	122.20	-49.06	peak
3	5860.000	19.54	34.44	31.64	49.20	71.54	109.40	-37.86	peak
4 p	5935.649	19.59	34.67	31.67	40.42	63.01	68.20	-5.19	peak



Test Mode: 04; Polarity: Vertical; Modulation:802.11ac; Bandwidth:40MHz; Channel:High



Site : chamber
Condition: 3m VERTICAL
Job No : 02444TL
Mode : 5795 Band edge
: 5G WIFI 11AC40

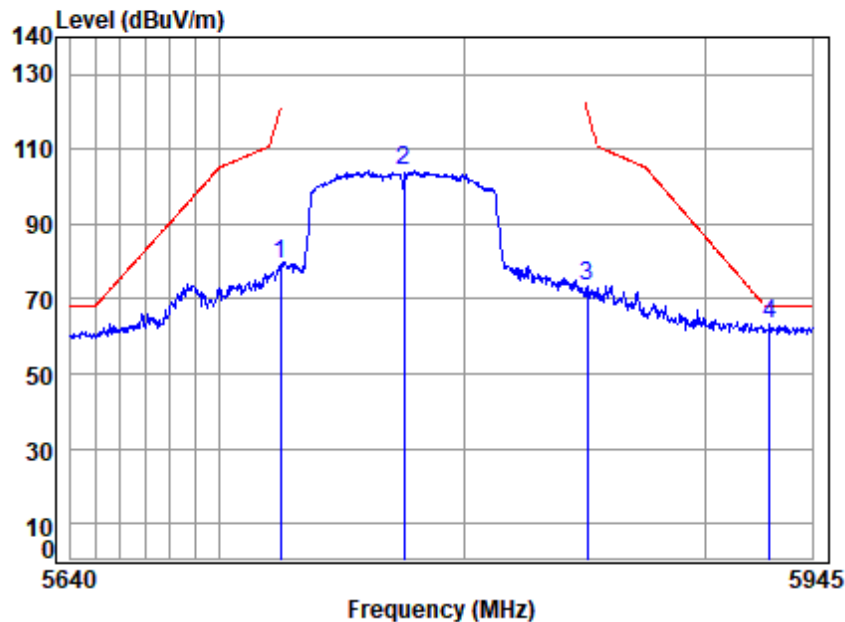
		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5795.000	19.50	34.29	31.60	86.75	108.94	-----	----- peak
2	5850.000	19.54	34.40	31.63	50.42	72.73	122.20	-49.47 peak
3	5860.000	19.54	34.44	31.64	47.14	69.48	109.40	-39.92 peak
4 p	5933.821	19.59	34.67	31.67	40.76	63.35	68.20	-4.85 peak



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Test Mode: 04; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:80MHz; Channel:middle

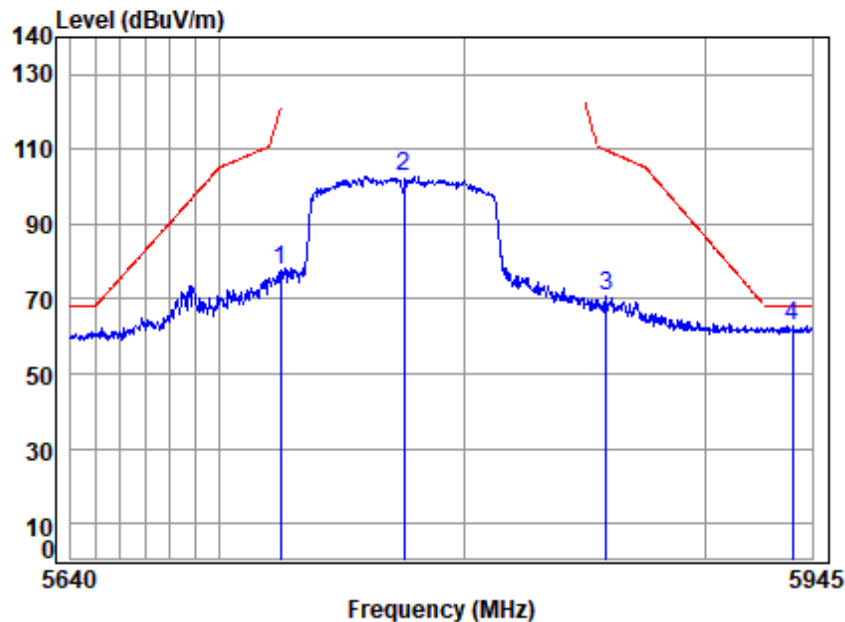


Site : chamber
Condition: 3m HORIZONTAL
Job No : 02444TL
Mode : 5775 Band edge
: 5G WIFI 11AC80

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5724.691	19.46	34.25	31.57	56.96	79.10	121.50	-42.40	peak
2	5775.000	19.49	34.25	31.60	82.34	104.48	-----	-----	peak
3	5850.883	19.54	34.40	31.63	51.34	73.65	120.19	-46.54	peak
4 p	5927.180	19.59	34.65	31.67	40.99	63.56	68.20	-4.64	peak



Test Mode: 04; Polarity: Vertical; Modulation:802.11ac; Bandwidth:80MHz; Channel:middle



Site : chamber
Condition: 3m VERTICAL
Job No : 02444TL
Mode : 5775 Band edge
: 5G WIFI 11AC80

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5724.691	19.46	34.25	31.57	55.67	77.81	121.50	-43.69	peak
2	5775.000	19.49	34.25	31.60	80.65	102.79	-----	-----	peak
3	5858.592	19.54	34.43	31.63	48.48	70.82	109.79	-38.97	peak
4 p	5936.865	19.59	34.67	31.67	40.38	62.97	68.20	-5.23	peak



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7.6 Duty Cycle

Test Requirement ANSI C63.10 (2013) Section 12.2

Test Method: ANSI C63.10 (2013) Section 12.2

7.6.1 E.U.T. Operation

Operating Environment:

Temperature: 25.1 °C Humidity: 40.2 % RH Atmospheric Pressure: 1020 mbar

7.6.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	01	TX mode (U-NII-1) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac 20/40/80, Only the data of worst case is recorded in the report.
Final test	02	TX mode (U-NII-2A) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac 20/40/80, Only the data of worst case is recorded in the report.
Final test	03	TX mode (U-NII-2C) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac 20/40/80, Only the data of worst case is recorded in the report.
Final test	04	TX mode (U-NII-3) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac 20/40/80, Only the data of worst case is recorded in the report.



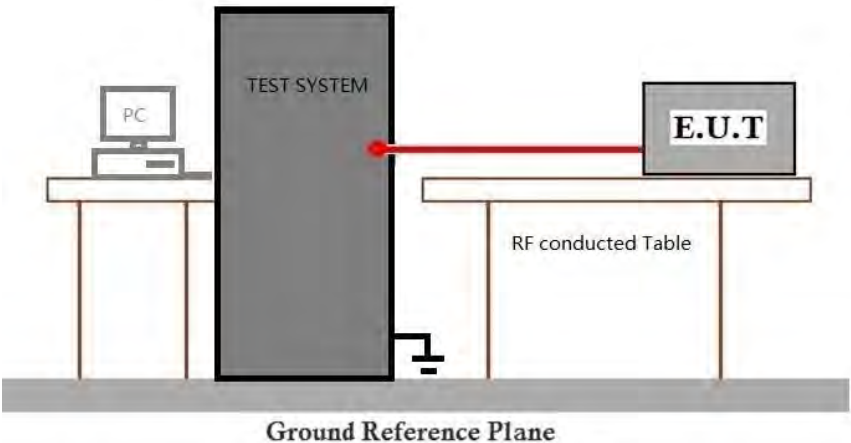
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7.6.3 Test Setup Diagram



7.6.4 Measurement Procedure and Data

Please Refer to Appendix for Details

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7.7 99% Bandwidth

Test Requirement ANSI C63.10 (2013) Section 12.4.2

Test Method: ANSI C63.10 (2013) Section 12.4.2

7.7.1 E.U.T. Operation

Operating Environment:

Temperature: 25.1 °C Humidity: 40.2 % RH Atmospheric Pressure: 1020 mbar

7.7.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	01	TX mode (U-NII-1) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac 20/40/80, Only the data of worst case is recorded in the report.
Final test	02	TX mode (U-NII-2A) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac 20/40/80, Only the data of worst case is recorded in the report.
Final test	03	TX mode (U-NII-2C) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac 20/40/80, Only the data of worst case is recorded in the report.
Final test	04	TX mode (U-NII-3) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac 20/40/80, Only the data of worst case is recorded in the report.



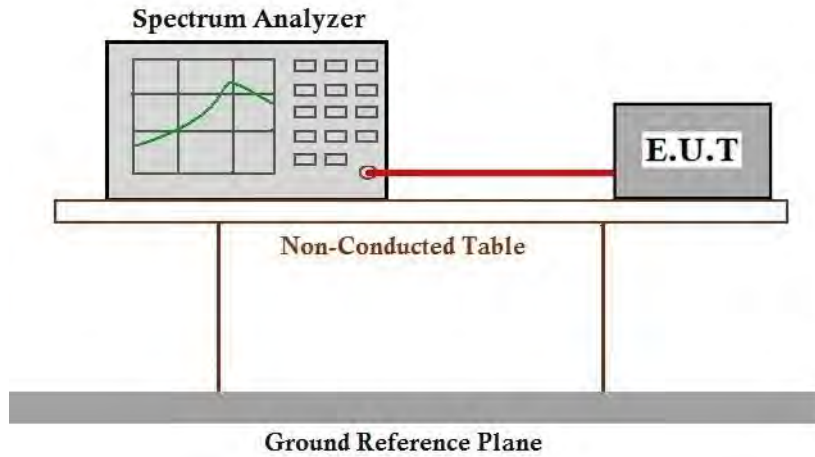
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7.7.3 Test Setup Diagram



7.7.4 Measurement Procedure and Data

Please Refer to Appendix for Details

7.8 26dB Emission bandwidth

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

Test Method: ANSI C63.10 (2013) Section 12.4.1

7.8.1 E.U.T. Operation

Operating Environment:

Temperature: 25.1 °C

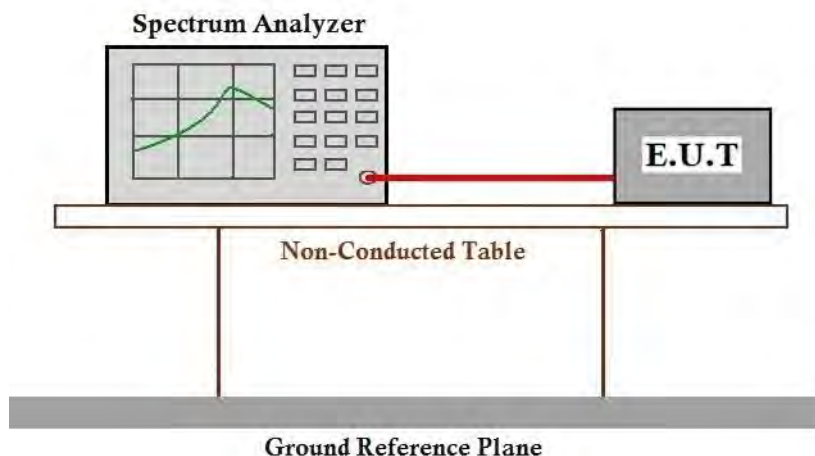
Humidity: 40.2 % RH

Atmospheric Pressure: 1020 mbar

7.8.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	01	TX mode (U-NII-1) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac 20/40/80, Only the data of worst case is recorded in the report.
Final test	02	TX mode (U-NII-2A) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac 20/40/80, Only the data of worst case is recorded in the report.
Final test	03	TX mode (U-NII-2C) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac 20/40/80, Only the data of worst case is recorded in the report.

7.8.3 Test Setup Diagram



7.8.4 Measurement Procedure and Data

Please Refer to Appendix for Details

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

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

Test Method: ANSI C63.10 (2013) Section 6.9.2

Limit:

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

7.9.1 E.U.T. Operation

Operating Environment:

Temperature: 25.1 °C

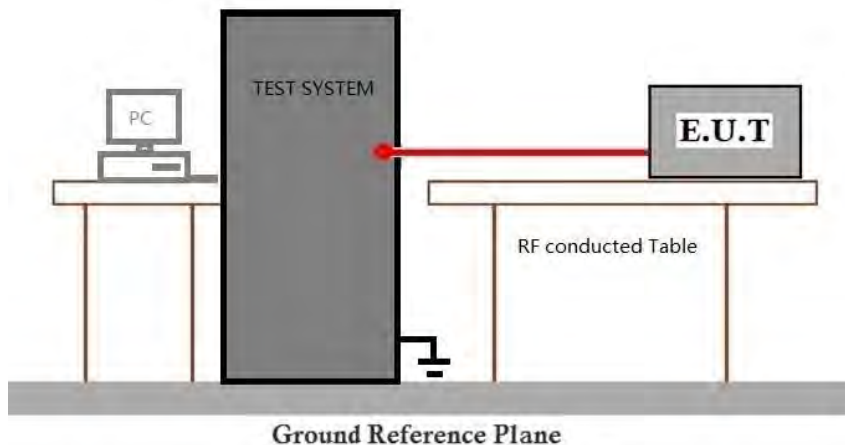
Humidity: 40.2 % RH

Atmospheric Pressure: 1020 mbar

7.9.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	04	TX mode (U-NII-3) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac 20/40/80, Only the data of worst case is recorded in the report.

7.9.3 Test Setup Diagram



7.9.4 Measurement Procedure and Data

Please Refer to Appendix for Details

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7.10 Peak Power spectrum density

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

Test Method: ANSI C63.10 (2013) Section 12.5

Limit:

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

7.10.1 E.U.T. Operation

Operating Environment:

Temperature: 25.1 °C

Humidity: 40.2 % RH

Atmospheric Pressure: 1020 mbar

7.10.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	01	TX mode (U-NII-1)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac 20/40/80, Only the data of worst case is recorded in the report.
Final test	02	TX mode (U-NII-2A)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac 20/40/80, Only the data of worst case is recorded in the report.
Final test	03	TX mode (U-NII-2C)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac 20/40/80, Only the data of worst case is recorded in the report.
Final test	04	TX mode (U-NII-3)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac 20/40/80, Only the data of worst case is recorded in the report.



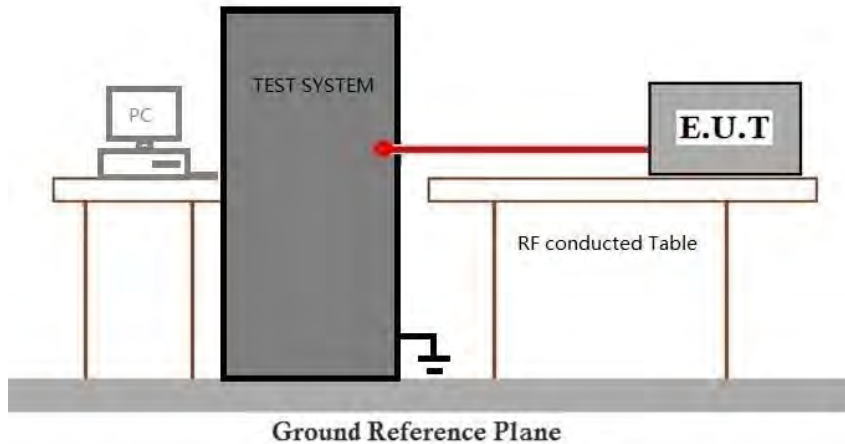
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7.10.3 Test Setup Diagram



7.10.4 Measurement Procedure and Data

RBW conversion factor from 300kHz to 500kHz (2.22dB) for UNII Band 3 has been considered.

Please Refer to Appendix for Details

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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: 25.1 °C

Humidity: 40.2 % RH

Atmospheric Pressure: 1020 mbar

7.11.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	01	TX mode (U-NII-1) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac 20/40/80, Only the data of worst case is recorded in the report.
Final test	02	TX mode (U-NII-2A) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac 20/40/80, Only the data of worst case is recorded in the report.
Final test	03	TX mode (U-NII-2C) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac 20/40/80, Only the data of worst case is recorded in the report.
Final test	04	TX mode (U-NII-3) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac 20/40/80, Only the data of worst case is recorded in the report.



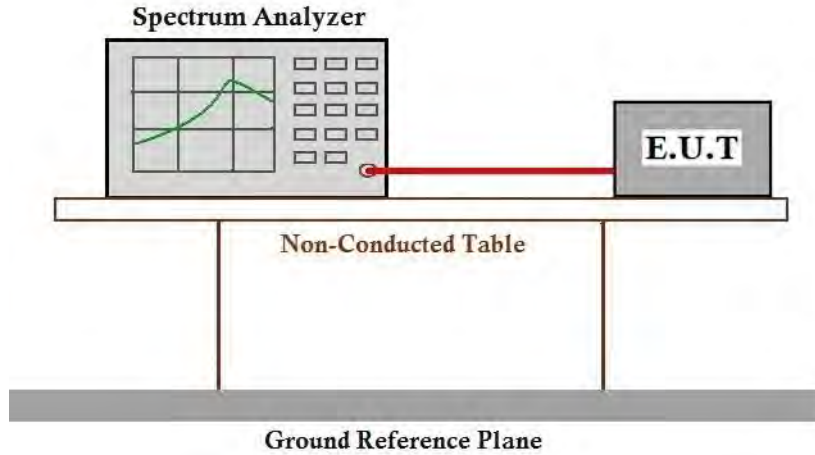
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7.11.3 Test Setup Diagram



7.11.4 Measurement Procedure and Data

Please Refer to Appendix for Details

7.12 Transmitter Power Control

Test Requirement 47 CFR Part 15, Subpart E 15.407 (h)(1)

Test Method: ANSI C63.10 (2013) Section 12.3

Limit:

Able to lower EIRP below 24dBm when Max_EIRP $\geq$ 500 mW (27 dBm).

7.12.1 E.U.T. Operation

Operating Environment:

Temperature: 25.1 °C

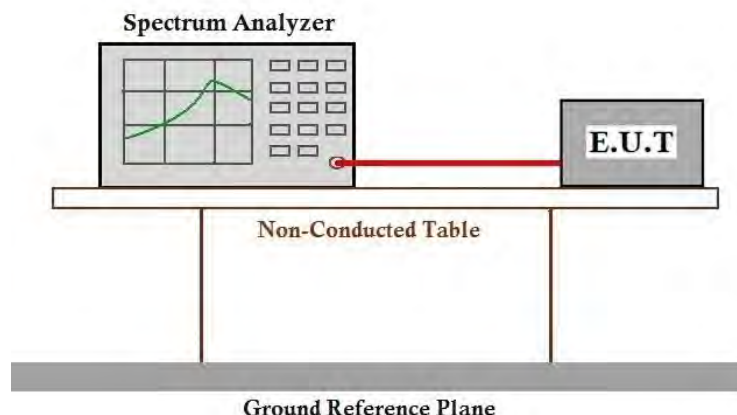
Humidity: 40.2 % RH

Atmospheric Pressure: 1020 mbar

7.12.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	02	TX mode (U-NII-2A) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac 20/40/80, Only the data of worst case is recorded in the report.
Final test	03	TX mode (U-NII-2C) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac 20/40/80, Only the data of worst case is recorded in the report.

7.12.3 Test Setup Diagram



7.12.4 Measurement Procedure and Data

Please Refer to Appendix for Details

8 Test Setup Photo

Please refer to SZCR2506002444 Appendix_Setup Photo

9 EUT Constructional Details (EUT Photos)

Refer to Appendix - Photographs of EUT Constructional Details for SZCR2506002444TL

10 Appendix

1. Duty Cycle

1.1 Test Result

1.1.1 Ant1

Ant1							
Mode	TX Type	Frequency (MHz)	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
802.11a	SISO	5180	2.025	2.526	80.17	0.96	0.03
		5200	2.025	2.527	80.13	0.96	0.06
		5240	2.026	2.527	80.17	0.96	0.03
		5260	2.026	2.528	80.14	0.96	0.06
		5300	2.025	2.526	80.17	0.96	0.03
		5320	2.024	2.526	80.13	0.96	0.03
		5500	2.025	2.526	80.17	0.96	0.03
		5580	2.025	2.526	80.17	0.96	0.03
		5700	2.025	2.526	80.17	0.96	0.01
		5745	2.025	2.526	80.17	0.96	0.06
		5785	2.026	2.527	80.17	0.96	0.03
		5825	2.026	2.527	80.17	0.96	0.03
802.11n (HT20)	MIMO	5180	1.889	2.390	79.04	1.02	0.01
		5200	1.889	2.390	79.04	1.02	0.03
		5240	1.889	2.390	79.04	1.02	0.01
		5260	1.889	2.390	79.04	1.02	0.01
		5300	1.889	2.391	79.00	1.02	0.03
		5320	1.889	2.390	79.04	1.02	0.03
		5500	1.890	2.390	79.08	1.02	0.03
		5580	1.890	2.390	79.08	1.02	0.03
		5700	1.889	2.390	79.04	1.02	0.03
		5745	1.888	2.389	79.03	1.02	0.04
		5785	1.890	2.391	79.05	1.02	0.00
		5825	1.889	2.390	79.04	1.02	0.03
802.11n (HT40)	MIMO	5190	0.929	1.430	64.97	1.87	0.03
		5230	0.929	1.430	64.97	1.87	0.03
		5270	0.929	1.430	64.97	1.87	0.03
		5310	0.929	1.430	64.97	1.87	0.03

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		5510	0.929	1.430	64.97	1.87	0.03
		5550	0.929	1.430	64.97	1.87	0.01
		5670	0.929	1.430	64.97	1.87	0.03
		5755	0.929	1.430	64.97	1.87	0.04
		5795	0.930	1.431	64.99	1.87	0.03
802.11ac (VHT20)	MIMO	5180	1.893	2.394	79.07	1.02	0.03
		5200	1.893	2.393	79.11	1.02	0.01
		5240	1.892	2.393	79.06	1.02	0.04
		5260	1.893	2.395	79.04	1.02	0.03
		5300	1.893	2.393	79.11	1.02	0.04
		5320	1.893	2.394	79.07	1.02	0.03
		5500	1.893	2.394	79.07	1.02	0.03
		5580	1.894	2.395	79.08	1.02	0.04
		5700	1.893	2.394	79.07	1.02	0.03
		5745	1.892	2.394	79.03	1.02	0.03
		5785	1.893	2.394	79.07	1.02	0.03
		5825	1.893	2.394	79.07	1.02	0.04
802.11ac (VHT40)	MIMO	5190	0.934	1.435	65.09	1.87	0.03
		5230	0.933	1.434	65.06	1.87	0.03
		5270	0.933	1.434	65.06	1.87	0.03
		5310	0.933	1.434	65.06	1.87	0.03
		5510	0.934	1.434	65.13	1.86	0.03
		5550	0.934	1.434	65.13	1.86	0.03
		5670	0.933	1.434	65.06	1.87	0.03
		5755	0.933	1.434	65.06	1.87	0.03
		5795	0.933	1.434	65.06	1.87	0.03
802.11ac (VHT80)	MIMO	5210	0.453	0.954	47.48	3.23	0.03
		5290	0.454	0.954	47.59	3.22	0.03
		5530	0.453	0.954	47.48	3.23	0.03
		5610	0.453	0.954	47.48	3.23	0.03
		5775	0.454	0.955	47.54	3.23	0.03



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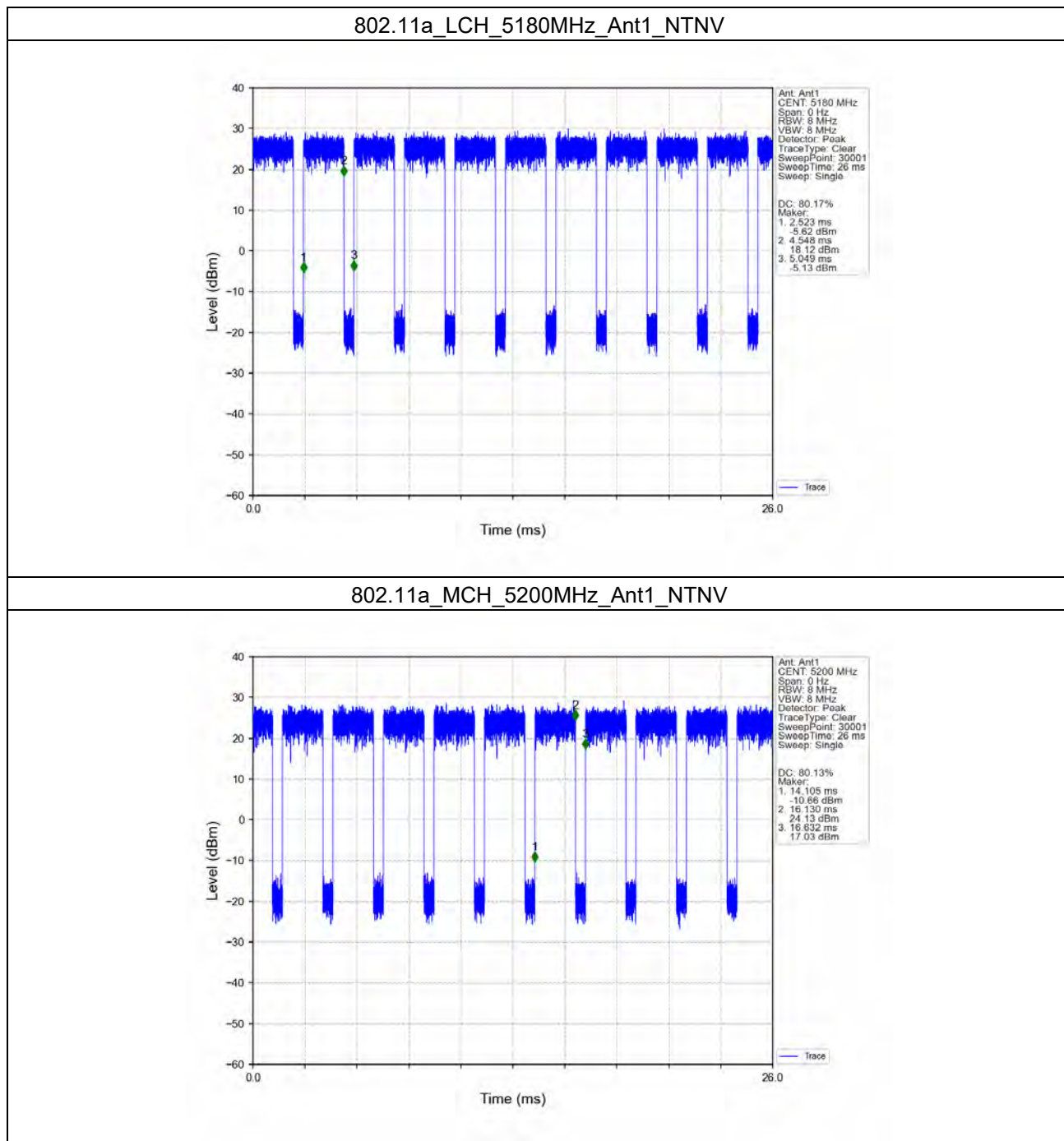
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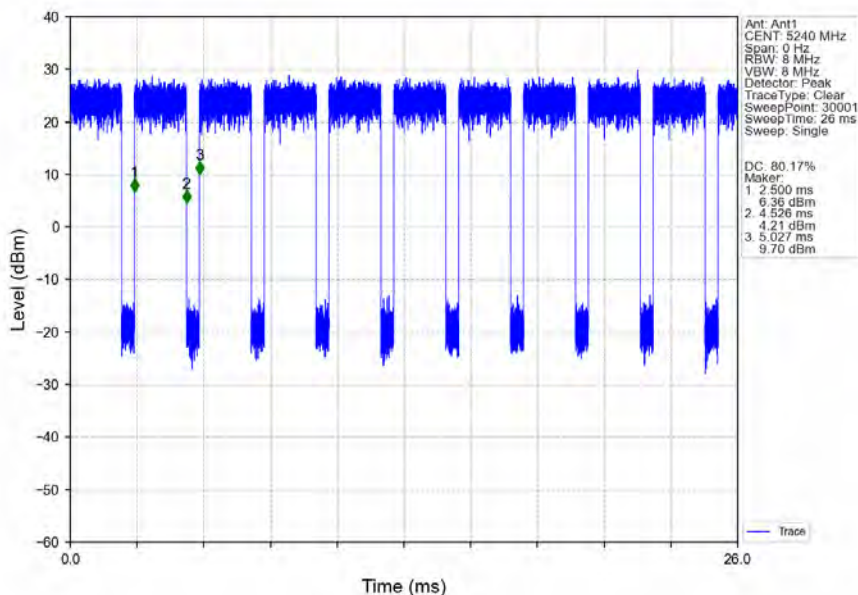
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1.2 Test Graph

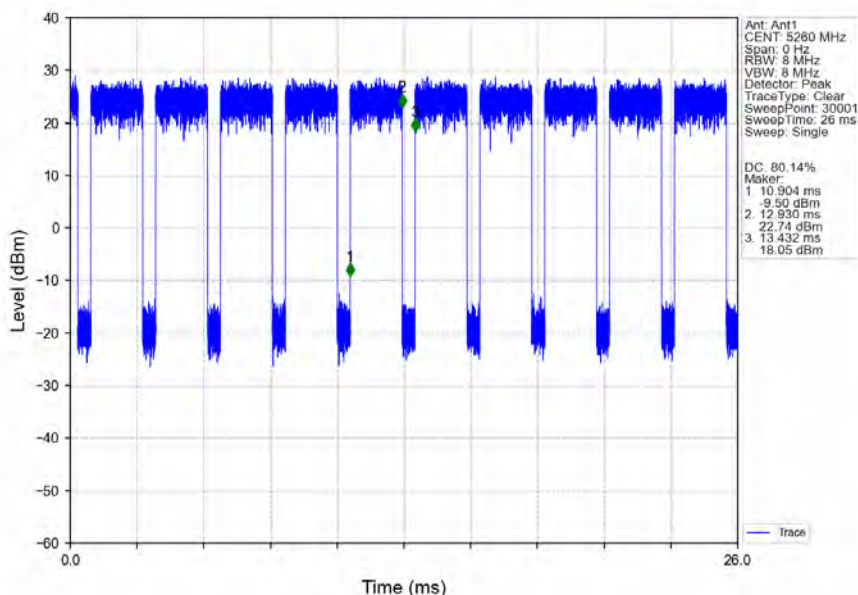
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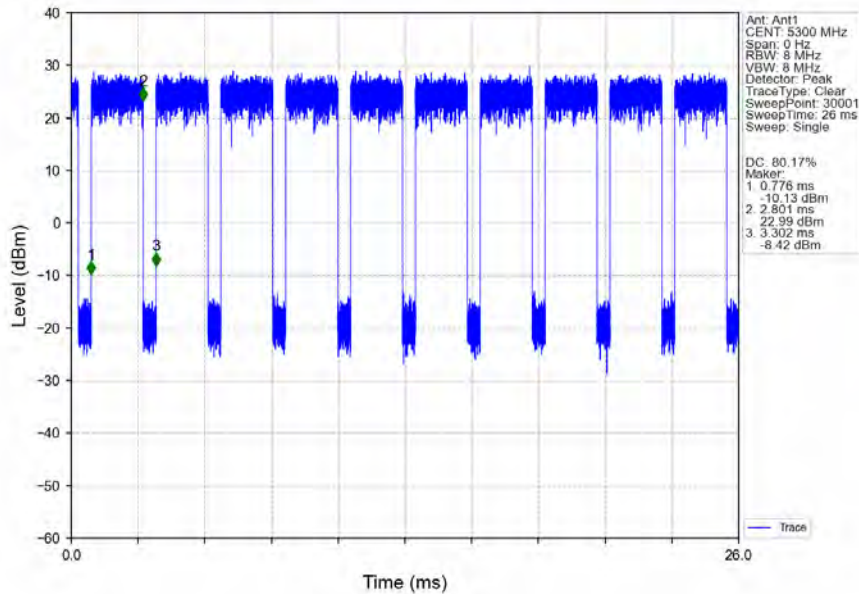
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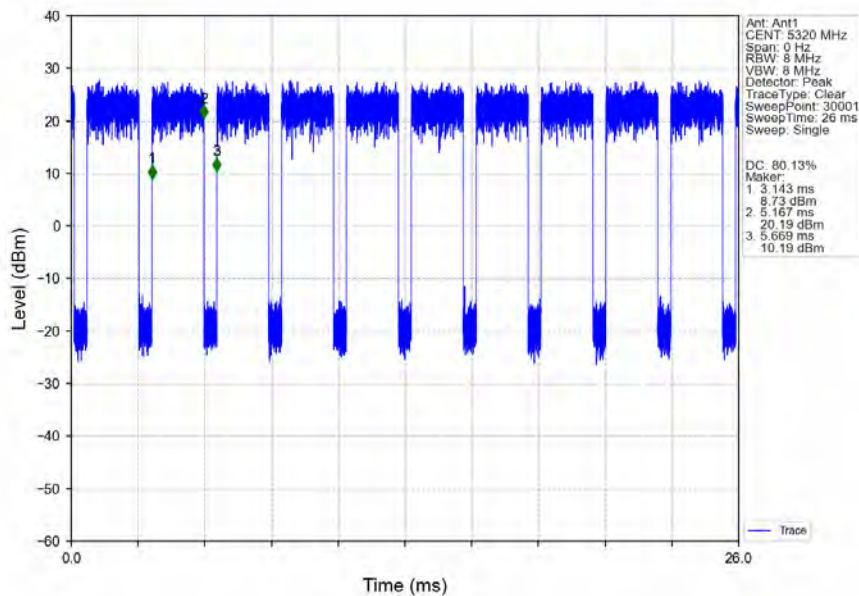
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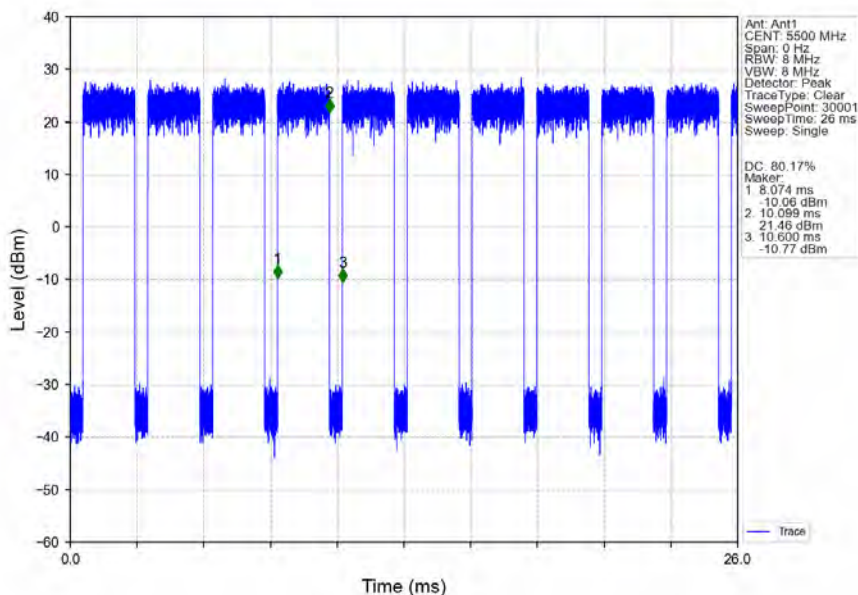
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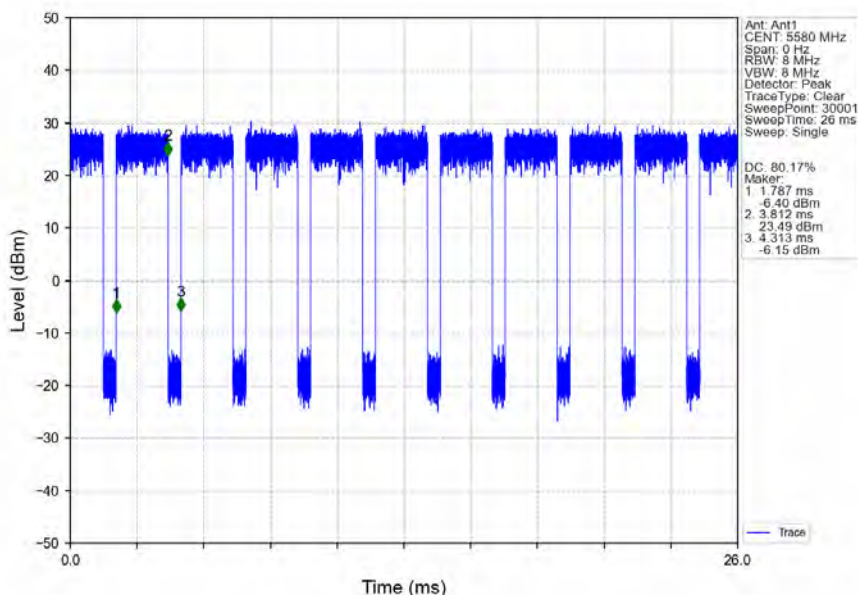
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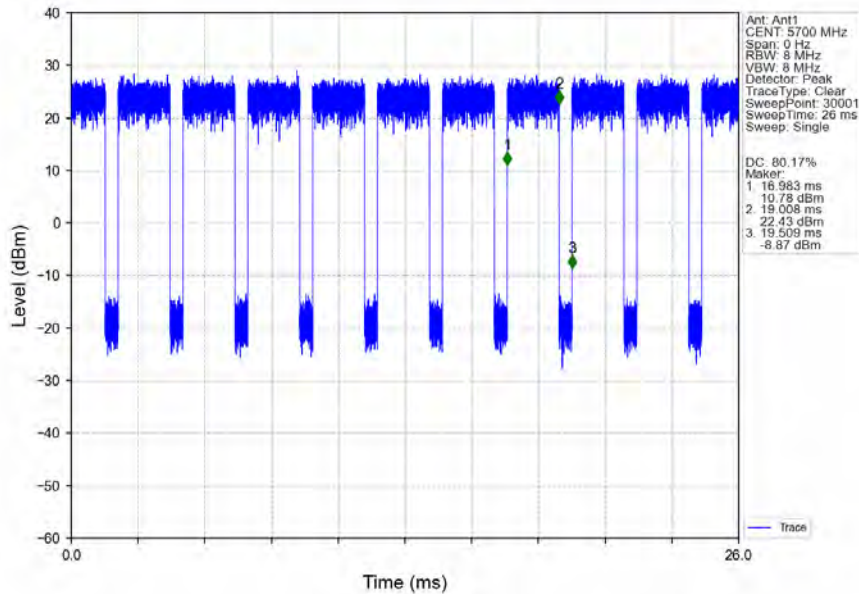
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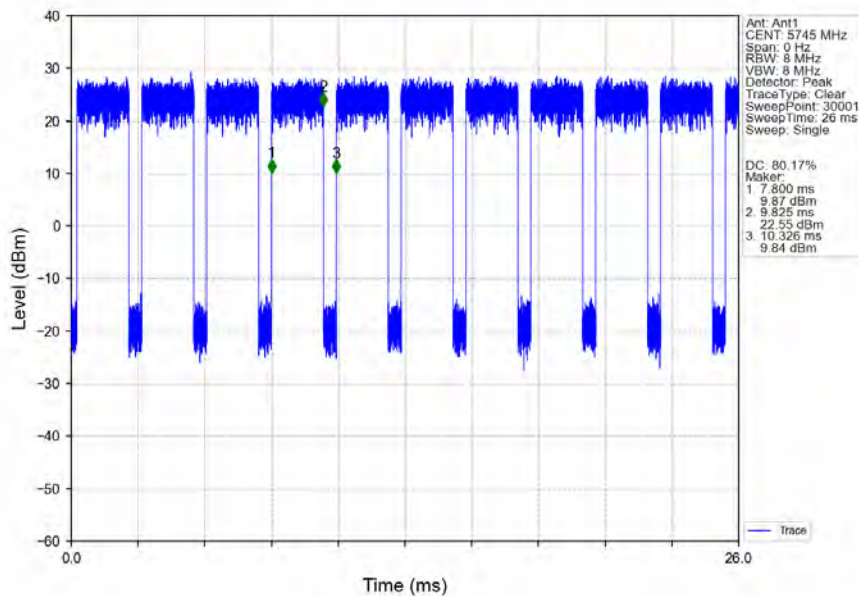
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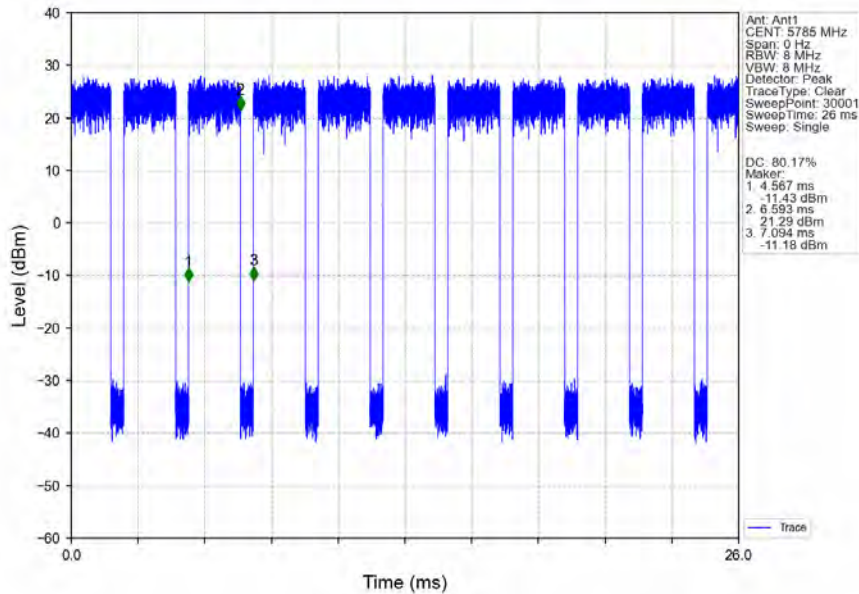
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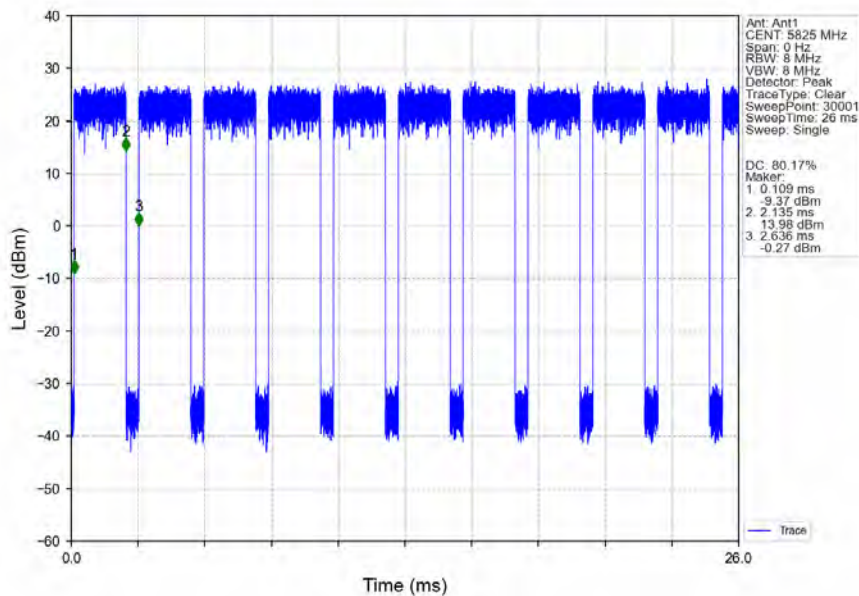
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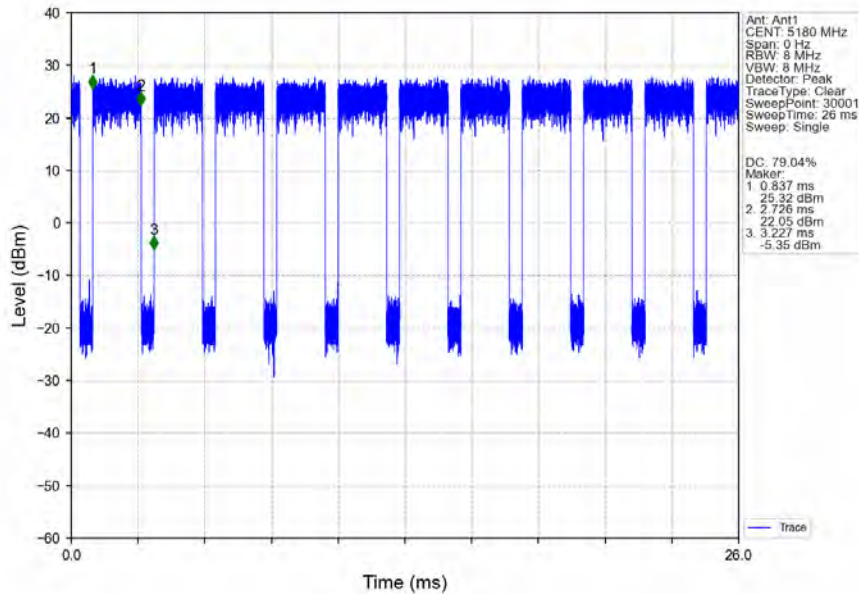
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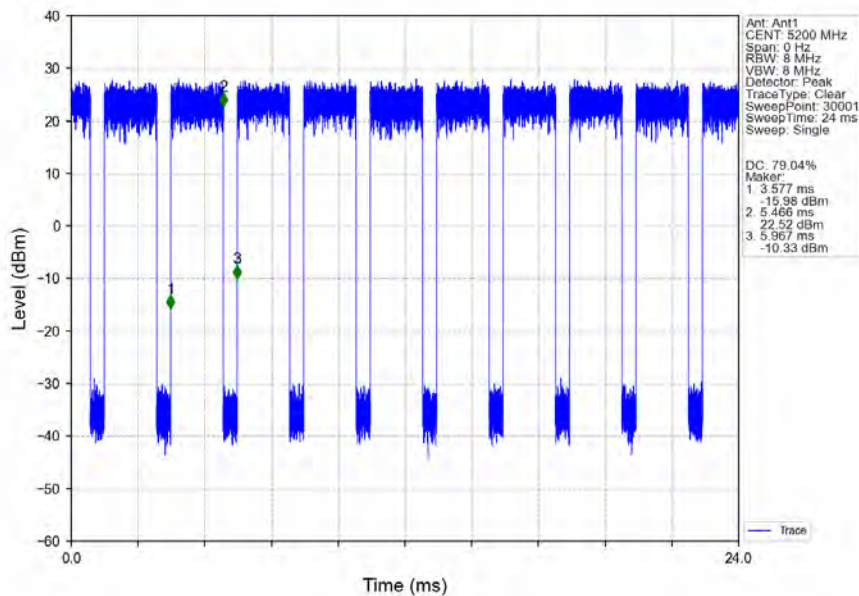
802.11a_HCH_5825MHz_Ant1_NTNV



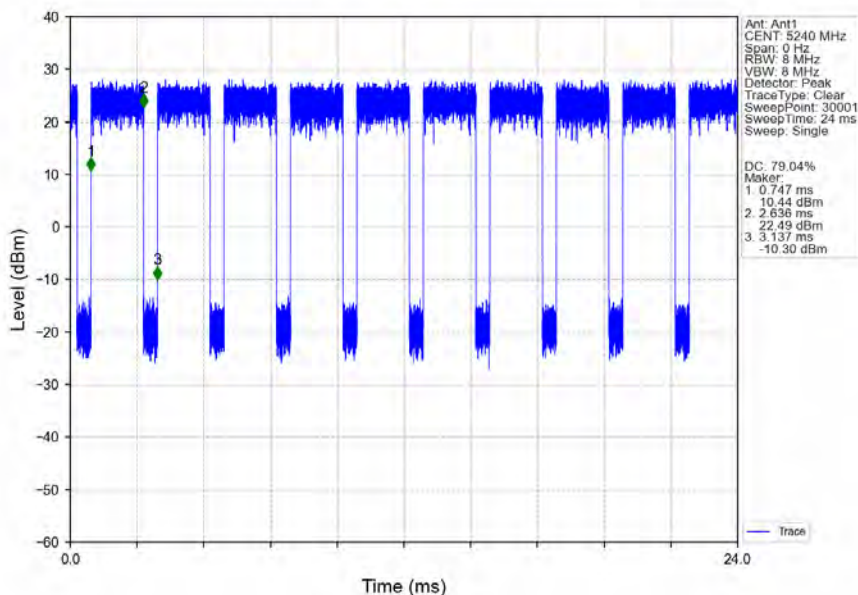
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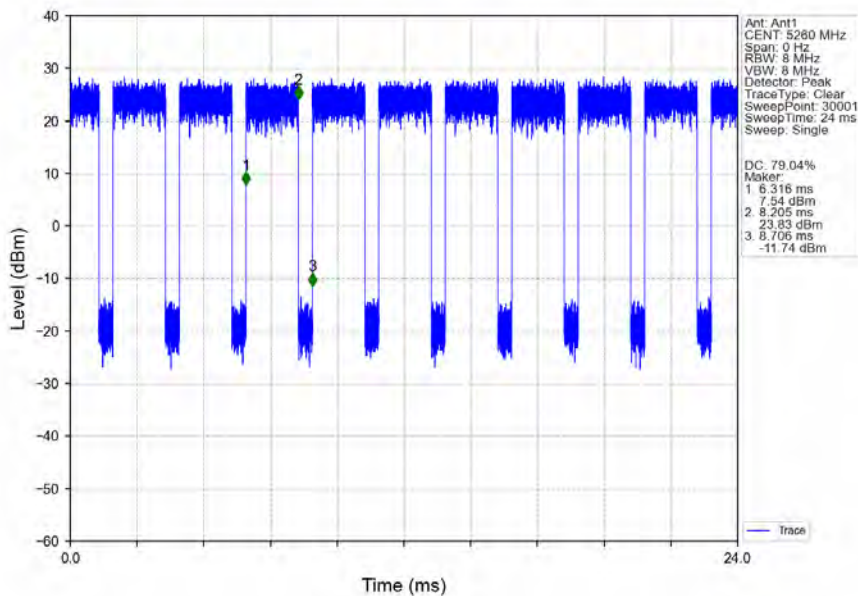
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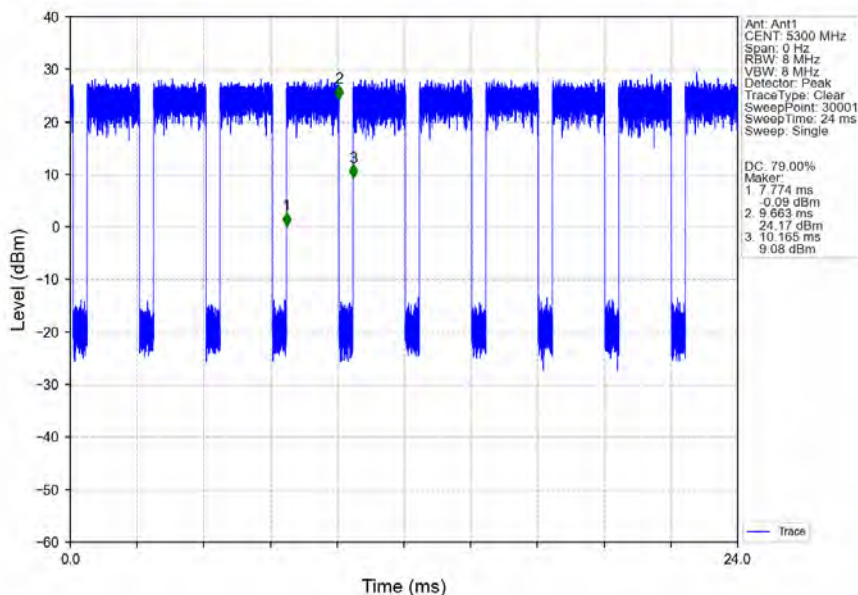
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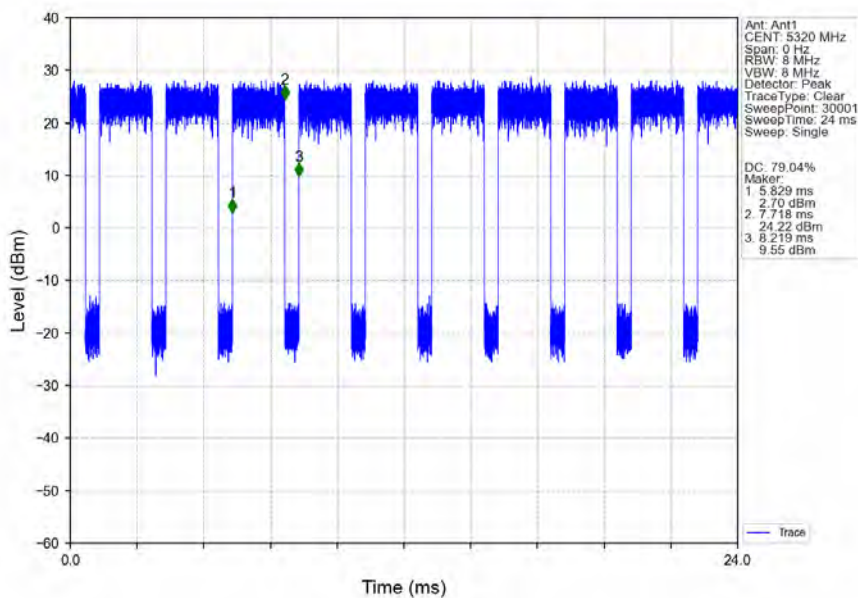
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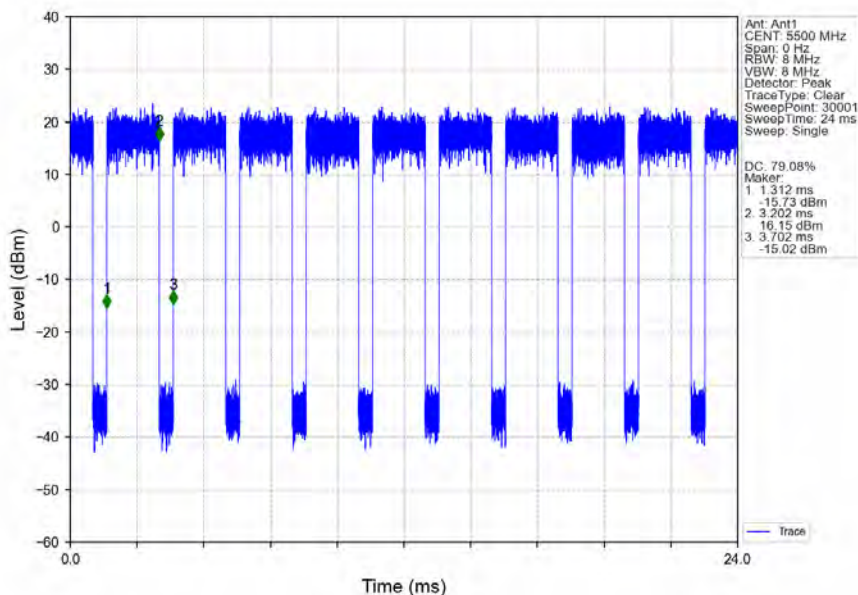
802.11n(HT20)_MCH_5300MHz_Ant1_NTNV



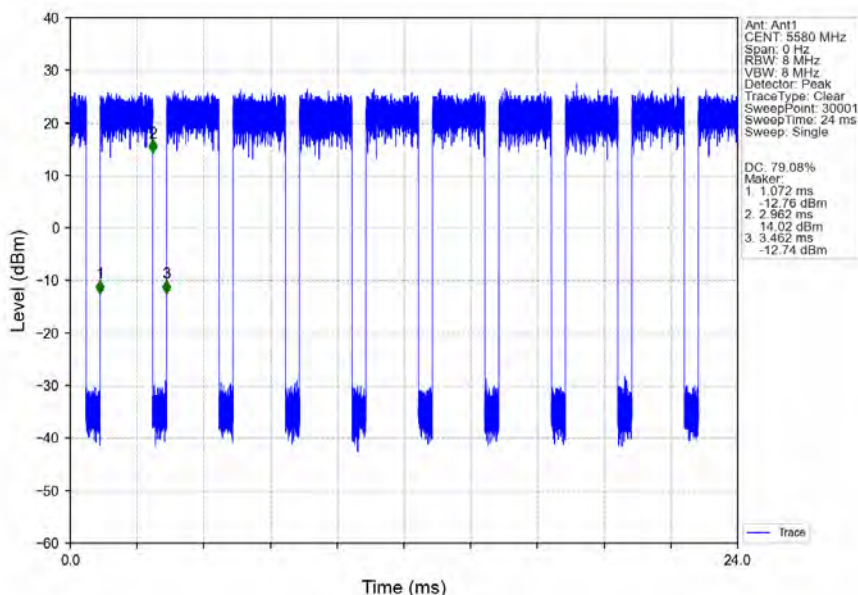
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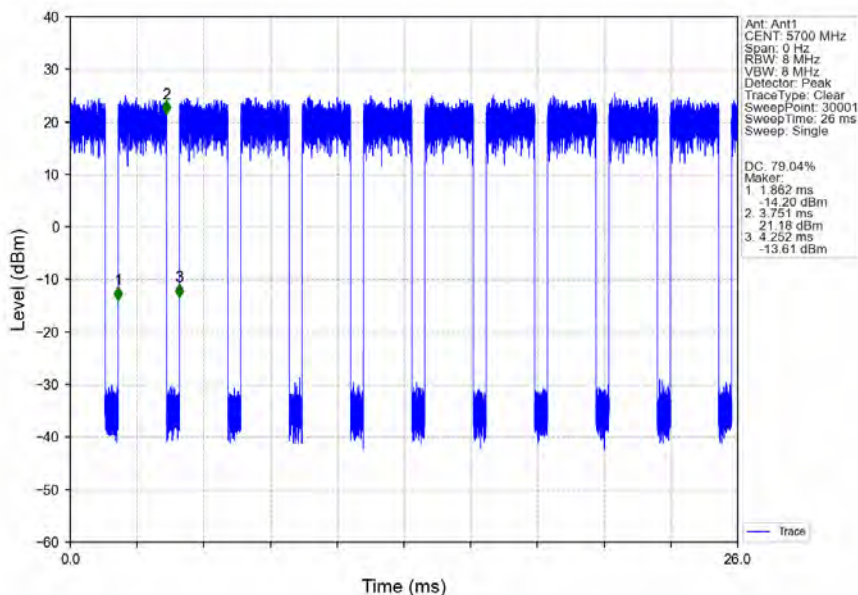
802.11n(HT20)_LCH_5500MHz_Ant1_NTNV



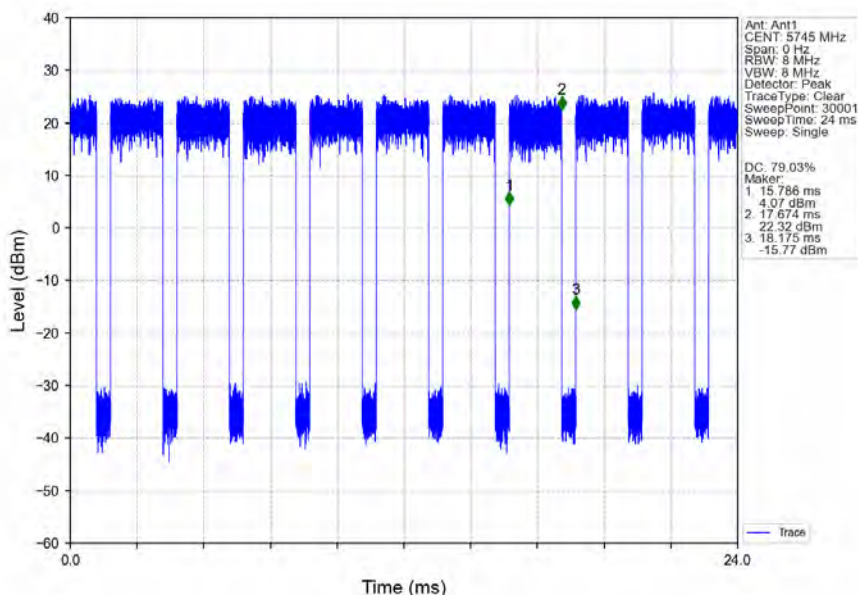
802.11n(HT20)_MCH_5580MHz_Ant1_NTNV



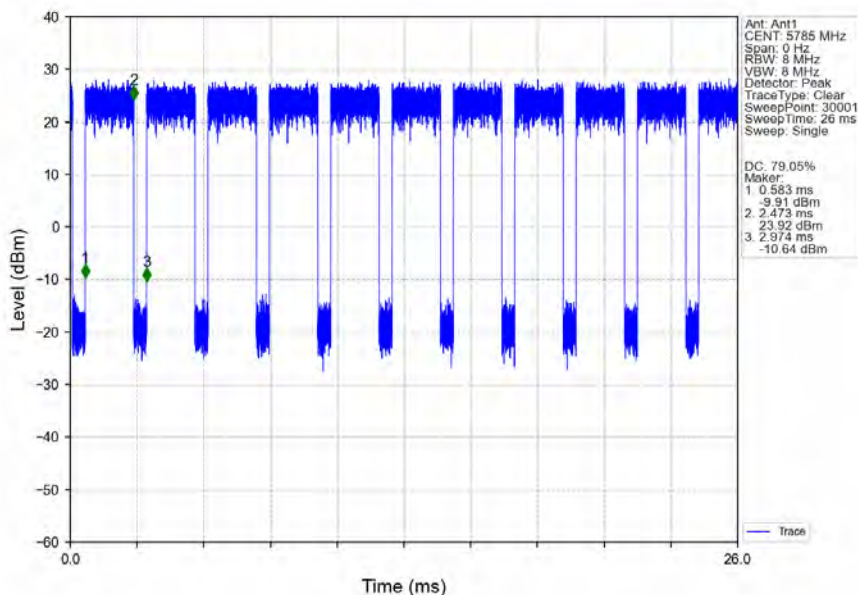
802.11n(HT20)_HCH_5700MHz_Ant1_NTNV



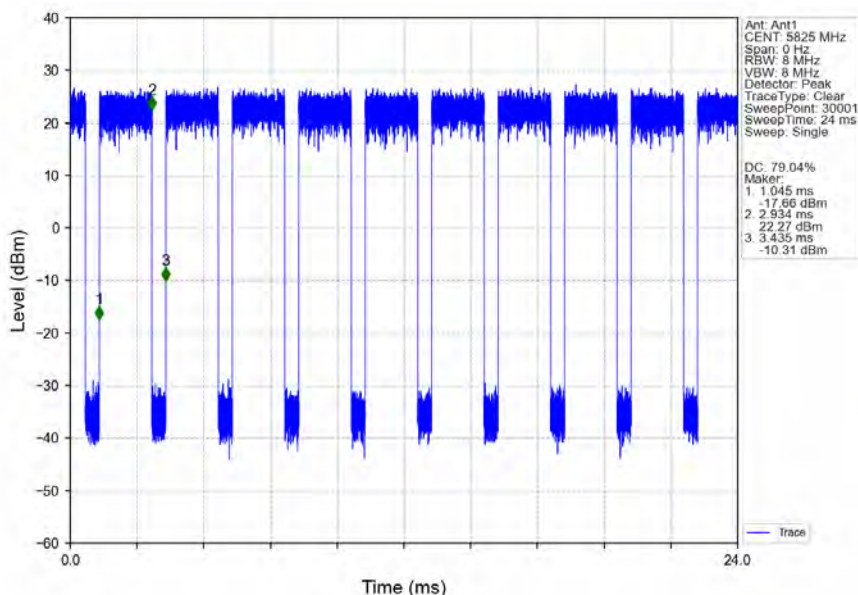
802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



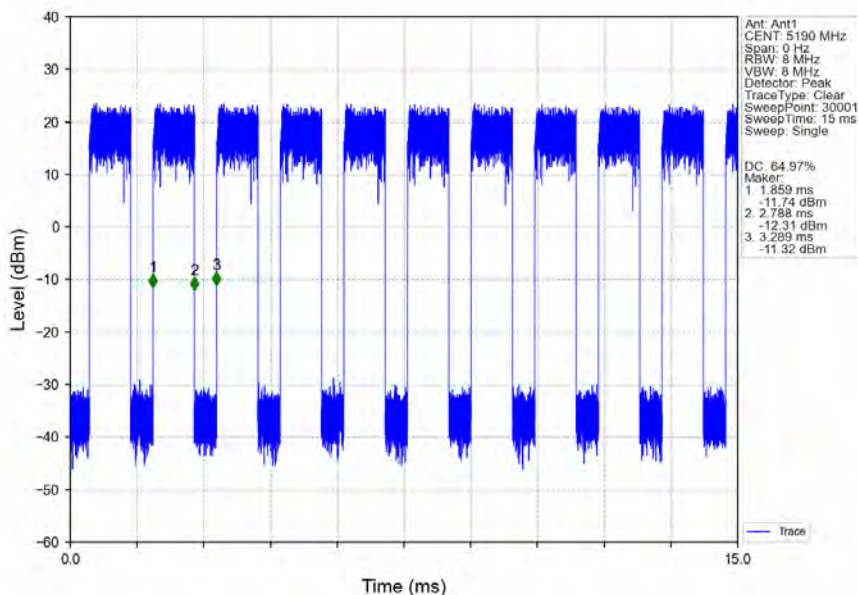
802.11n(HT20)_MCH_5785MHz_Ant1_NTNV



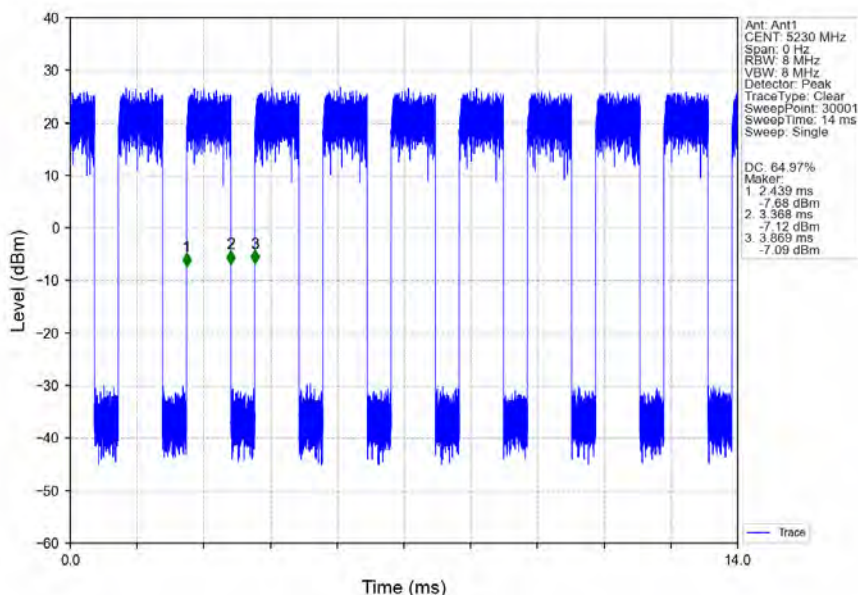
802.11n(HT20)_HCH_5825MHz_Ant1_NTNV



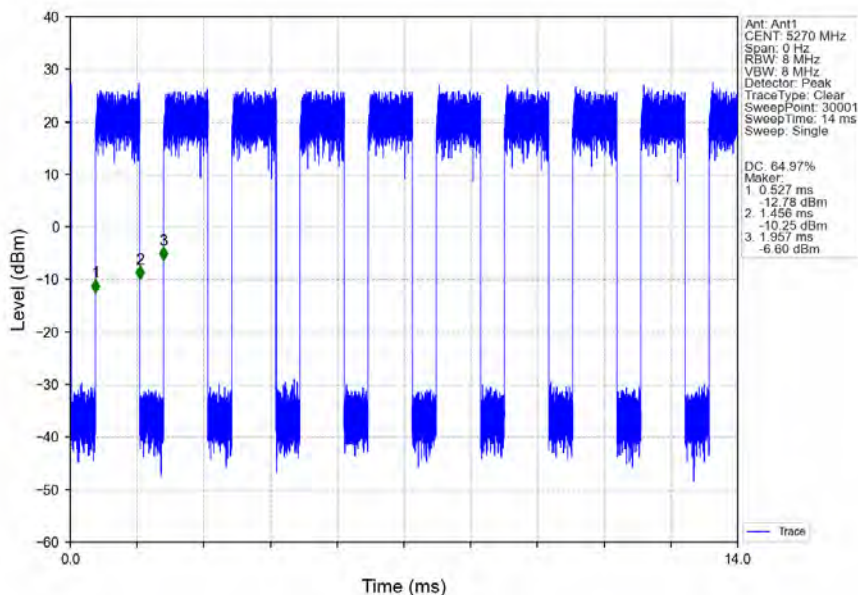
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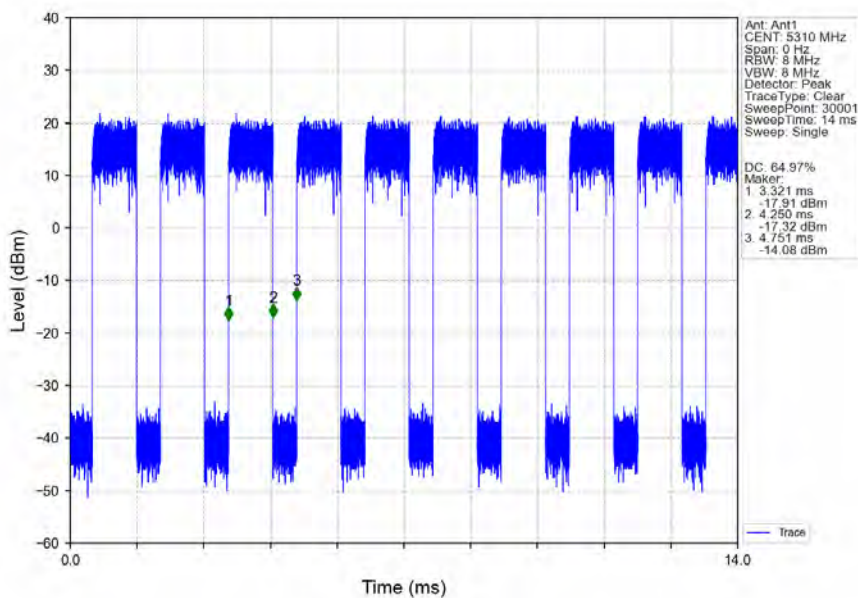
802.11n(HT40)_HCH_5230MHz_Ant1_NTNV



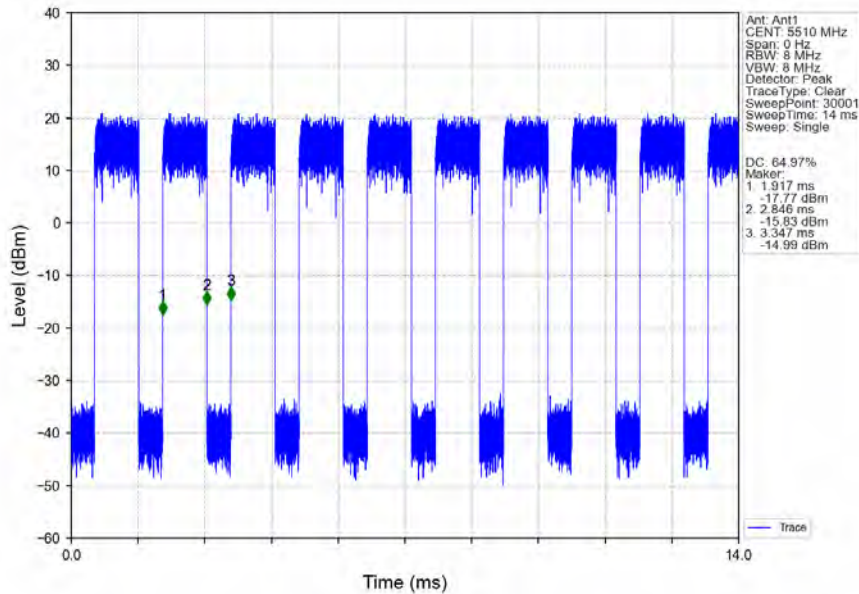
802.11n(HT40)_LCH_5270MHz_Ant1_NTNV



802.11n(HT40)_HCH_5310MHz_Ant1_NTNV



802.11n(HT40)_LCH_5510MHz_Ant1_NTNV



802.11n(HT40)_MCH_5550MHz_Ant1_NTNV

