

TEST REPORT

Application No.: SZCR2508003614AT
Applicant: Solaborate Inc.
Address of Applicant: 2605 Enterprise RD E Suite 150, Clearwater, Florida, 33759, United States
Manufacturer: Solaborate Inc.
Address of Manufacturer: 2605 Enterprise RD E Suite 150, Clearwater, Florida, 33759, United States
Equipment Under Test (EUT):
EUT Name: Whiteboard
Model No.: HC4305T, HC5505T ♣
 ♣ Please refer to section 2 of this report which indicates which model was actually tested and which were electrically identical.
Trade Mark: hellocare.ai
FCC ID: 2AW3MWHITEBOARD-HAC
Standard(s) : 47 CFR Part 15, Subpart E 15.407
Date of Receipt: 2025-08-15
Date of Test: 2025-08-21 to 2025-08-25
Date of Issue: 2025-08-26

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

Keny Xu

Keny Xu
EMC Laboratory Manager



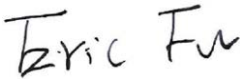


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SZEMC-TRF-01 Rev. A/1

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Revision Record				
Version	Chapter	Date	Modifier	Remark
01		2025-08-26		Original

Authorized for issue by:				
				
		Edison Li/Project Engineer		
				
		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 (2020) Section 6.2	47 CFR Part 15, Subpart C 15.207 & Subpart E 15.407 b(9)	Pass
Radiated Emissions (Below 1GHz)		ANSI C63.10 (2020) 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 (2020) 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 (2020) Section 6.10.5	47 CFR Part 15, Subpart C 15.209 & Subpart E 15.407(b)	Pass
Duty Cycle		ANSI C63.10 (2020) Section 12.2	ANSI C63.10 (2020) Section 12.2	Pass
99% Bandwidth		ANSI C63.10 (2020) Section 12.5.3	ANSI C63.10 (2020) Section 12.4.2	Pass
26dB Emission bandwidth		ANSI C63.10 (2020) Section 12.5.2	47 CFR Part 15, Subpart E 15.407 (a)	Pass
Minimum 6 dB bandwidth (5.725-5.85 GHz band)		ANSI C63.10 (2020) Section 12.5.1	47 CFR Part 15, Subpart E 15.407 (e)	Pass
Maximum Conducted output power		ANSI C63.10 (2020) Section 12.4	47 CFR Part 15, Subpart E 15.407 (a)	Pass
Peak Power spectrum density		ANSI C63.10 (2020) Section 12.6	47 CFR Part 15, Subpart E 15.407 (a)	Pass
Frequency Stability		ANSI C63.10 (2020) Section 6.8	47 CFR Part 15, Subpart E 15.407 (g)	Pass

Declaration of EUT Family Grouping:

Model No.: HC4305T, HC5505T

Only the model HC5505T was tested. According to the declaration from the applicant, the electrical circuit design, layout, components used, internal wiring and functions were identical for the above models, with only difference on model No., appearance size, power adapter and color.



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4 General Information

4.1 Details of E.U.T.

Power supply:	AC 120V, 60Hz			
Cable(s):	AC cable:140cm unshielded DC cable:140cm with a ferrite core			
Operation Frequency:	Band	Mode	Frequency Range(MHz)	Number of channels
	UNII Band I	802.11a/n/ac/ax(20MHz)	5180-5240	4
		802.11n/ac/ax(40MHz)	5190-5230	2
		802.11ac/ax(80MHz)	5210	1
	UNII Band III	802.11a/n/ac/ax(20MHz)	5745-5825	5
		802.11n/ac/ax(40MHz)	5755-5795	2
		802.11ac/ax(80MHz)	5775	1
Modulation Type:	802.11a: OFDM(QPSK, BPSK, 16QAM, 64QAM) 802.11n: OFDM(QPSK, BPSK, 16QAM, 64QAM) 802.11ac: OFDM(QPSK, BPSK, 16QAM, 64QAM, 256QAM) 802.11ax: OFDMA(QPSK, BPSK, 16QAM, 64QAM, 256QAM, 1024QAM)			
Antenna Type:	PIFA Antenna			
Antenna Gain:	antenna1:4.6dBi, antenna2:4.6dBi. Note: MIMO for Ant1 and Ant2.			

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

4.2 Description of Support Units

Description	Manufacturer	Model No.	Serial No.
RF Cable	SGS	N/A(cable loss:0.8dB)	N/A



4.3 Measurement Uncertainty

Test Item	Measurement Uncertainty
Conducted Emissions at AC Power Line (150kHz-30MHz)	$\pm 3.1\text{dB}$
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)	$\pm 3\%$
Maximum Conducted output power	$\pm 0.75\text{dB}$
Peak Power spectrum density	$\pm 2.84\text{dB}$
Frequency Stability	$\pm 7.25 \times 10^{-8}$

Remark:

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

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



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4.4 Test Location

All tests were performed at:

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

No tests were sub-contracted.

4.5 Test Facility

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

• A2LA (Certificate No. 3816.01)

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

• VCCI (Member No. 1937)

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

• FCC –Designation Number: CN1336

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

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

• Innovation, Science and Economic Development Canada

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

CAB identifier: CN0006.

IC#: 4620C.

4.6 Deviation from Standards

None

4.7 Abnormalities from Standard Conditions

None



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5 Equipment List

Conducted Emissions at AC Power Line (150kHz-30MHz)					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
Shielding Room	ZhongYu Electron	GB-88	SEM001-06	2025-05-07	2028-05-06
EMI Test Receiver	Rohde&Schwarz	ESR	SZ-WRG-M-047	2025-01-08	2026-01-07
Measurement Software	AUDIX	e3 V8.2014-6-27a	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM024-01	2025-07-05	2026-07-04
LISN	Rohde&Schwarz	ENV216	SEM007-01	2025-07-25	2026-07-24
LISN	ETS-LINDGREN	3816/2	SEM007-02	2025-03-03	2026-03-02

Radiated Emissions which fall in the restricted bands					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
Signal & Spectrum Analyzer	Rohde & Schwarz	FSV	SZ-WRG-M-048	2025-01-07	2026-01-06
Low Noise Amplifier 30M-8GHz	Tonscend	TAP30M8G30	SZ-WRG-M-050	2025-01-07	2026-01-06
Double Ridge Horn Antenna 1GHz-18GHz	SCHWARZBECK	BBHA 9120 D	SZ-WRG-M-055	2023-12-21	2025-12-20
RSE Test Software	AUDIX	e3 V8.2014-6-27	N/A	N/A	N/A
Chamber	CRTSGSSAC966	N/A	SZ-WRG-C-063	2025-01-06	2028-01-05
Humidity and Temperature Indicator	deli	8838	SEM002-46	2025-07-23	2026-07-22

Radiated Spurious Emissions Below 1GHz					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
Loop Antenna	ETS-Lindgren	6502	SEM003-08	2023-11-20	2025-11-19
3m Semi-Anechoic Chamber	ETS-LINDGREN	N/A	SEM001-01	2023-06-19	2026-06-18
MXE EMI Receiver	Agilent Technologies	N9038A	SEM004-15	2025-07-25	2026-07-24
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	2025-07-05	2026-07-04

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Radiated Spurious Emissions Above 1GHz					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
Signal & Spectrum Analyzer	Rohde & Schwarz	FSV	SZ-WRG-M-048	2025-01-07	2026-01-06
Low Noise Amplifier 1G-18GHz	Tonscend	TAP01018050	SZ-WRG-M-051	2025-01-07	2026-01-06
Low Noise Amplifier 18G-40GHz	Tonscend	TAP18040048	SZ-WRG-M-052	2025-01-08	2026-01-07
Double Ridge Horn Antenna 1GHz-18GHz	SCHWARZBECK	BBHA 9120 D	SZ-WRG-M-055	2023-12-21	2025-12-20
SHF-EHF Horn 15GHz-40GHz	SCHWARZBECK	BBHA 9170	SZ-WRG-M-056	2023-12-25	2025-12-24
RSE Test Software	AUDIX	e3 V8.2014-6-27	N/A	N/A	N/A
Chamber	CRTSGSSAC966	N/A	SZ-WRG-C-063	2025-01-06	2028-01-05
Humidity and Temperature Indicator	deli	8838	SEM002-46	2025-07-23	2026-07-22

RF Conducted Test					
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	2025-07-24	2026-07-23
MXA Signal Analyzer	KEYSIGHT	N9020A	SEM004-19	2025-03-04	2026-03-03
Measurement Software	TST PASS	TST PASS V2.0	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM031-01	2025-07-05	2026-07-04
Attenuator	Huber+Suhner	6620_SMA-50-1	SEM021-09	2025-03-03	2026-03-02

General used equipment					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
Humidity/ Temperature Indicator	deli	8838	SEM002-32	2025-07-23	2026-07-22
Humidity/ Temperature Indicator	deli	8838	SEM002-33	2025-07-23	2026-07-22
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

Standard Requirement:

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

EUT Antenna:

The antenna is integrated on the main PCB and no consideration of replacement. The best case gain are: Antenna1:4.6dBi, Antenna2:4.6dBi

The EUT support Cyclic Delay Diversity (CDD) mode, and CDD signals are correlated.

For power measurements, directional Gain = 4.6dBi.

For power spectral density measurements, Directional gain = GANT + Array Gain = 4.6 + 10*log(2/1) = 7.61dBi.

The EUT also supports beamforming mode, and the beamforming support 802.11a/b/g/n/ac/ax only.

For beamforming operation, manufacturer automatically backs power down based on a 10log (NANT) factor based on CDD power, Therefore, only the CDD mode was evaluated in this report.

Antenna location: Refer to internal photo.



6.2 Transmission in the Absence of Data

6.2.1 Test Requirement:

47 CFR Part 15, Subpart E 15.407 (c)

6.2.2 Conclusion

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 (2020) 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	09	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/ax 20/40/80, Only the data of worst case is recorded in the report.
Pre-scan	10	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/ax 20/40/80, Only the data of worst case is recorded in the report.



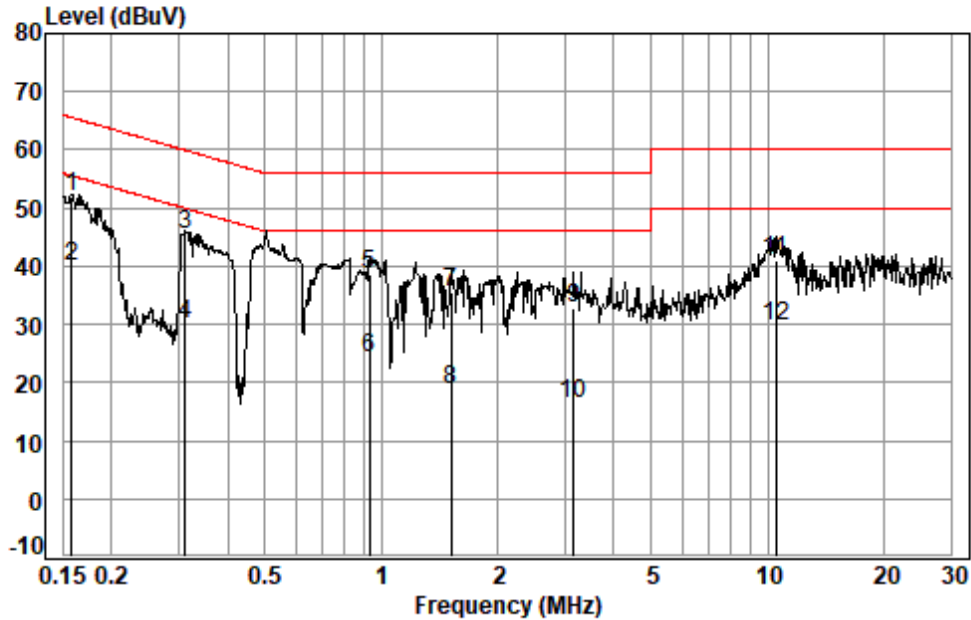
SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250800361405

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Test Mode: 09; Line: Live line



Site : Shielding Room
Condition: Line
Job No. : 03614AT
Test mode: 09

		Cable	LISN	Read	Limit	Over	
	Freq	Loss	Factor	Level	Level	Line	Limit Remark
	MHz	dB	dB	dBuV	dBuV	dBuV	dB
1 *	0.1582	0.01	10.18	41.65	51.84	65.56	-13.72 QP
2 *	0.1582	0.01	10.18	29.86	40.05	55.56	-15.51 Average
3	0.3116	0.01	9.83	35.73	45.57	59.93	-14.36 QP
4	0.3116	0.01	9.83	20.07	29.91	49.93	-20.02 Average
5	0.9331	0.01	9.59	29.13	38.73	56.00	-17.27 QP
6	0.9331	0.01	9.59	14.63	24.23	46.00	-21.77 Average
7	1.5193	0.01	9.58	25.83	35.42	56.00	-20.58 QP
8	1.5193	0.01	9.58	9.00	18.59	46.00	-27.41 Average
9	3.1397	0.01	9.65	23.00	32.66	56.00	-23.34 QP
10	3.1397	0.01	9.65	6.70	16.36	46.00	-29.64 Average
11	10.5079	0.20	9.72	30.94	40.86	60.00	-19.14 QP
12	10.5079	0.20	9.72	19.72	29.64	50.00	-20.36 Average



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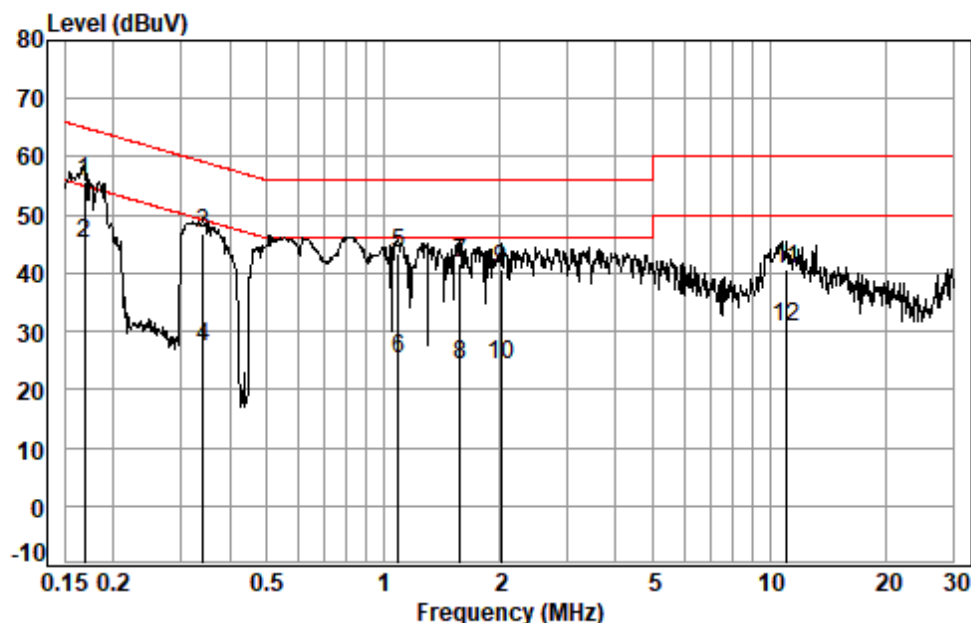
SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250800361405

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Test Mode: 09; Line: Neutral Line



Site : Shielding Room

Condition: Neutral

Job No. : 03614AT

Test mode: 09

	Freq	Cable Loss	LISN Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB	dBuV	dBuV	dBuV	dB	
1 *	0.1685	0.01	10.12	45.57	55.70	65.03	-9.33	QP
2 *	0.1685	0.01	10.12	35.07	45.20	55.03	-9.83	Average
3	0.3410	0.01	9.75	37.12	46.88	59.18	-12.30	QP
4	0.3410	0.01	9.75	17.51	27.27	49.18	-21.91	Average
5	1.0939	0.01	9.54	33.78	43.33	56.00	-12.67	QP
6	1.0939	0.01	9.54	15.72	25.27	46.00	-20.73	Average
7	1.5767	0.01	9.55	31.97	41.53	56.00	-14.47	QP
8	1.5767	0.01	9.55	14.69	24.25	46.00	-21.75	Average
9	2.0119	0.01	9.55	31.14	40.70	56.00	-15.30	QP
10	2.0119	0.01	9.55	14.52	24.08	46.00	-21.92	Average
11	11.0797	0.21	9.65	30.85	40.71	60.00	-19.29	QP
12	11.0797	0.21	9.65	20.81	30.67	50.00	-19.33	Average



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Shenzhen Branch Testing Center Laboratory

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7.2 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 (2020) 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.

7.2.1 E.U.T. Operation

Operating Environment:

Temperature: 23.5 °C Humidity: 56.3 % RH Atmospheric Pressure: 1020 mbar



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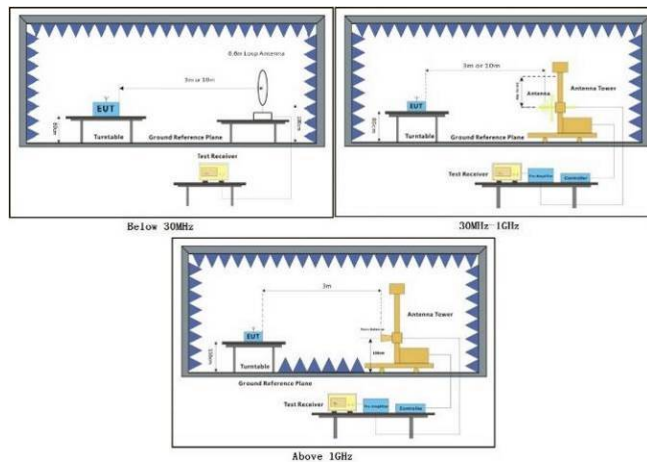
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7.2.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	09	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/ax 20/40/80, Only the data of worst case is recorded in the report.
Final test	10	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/ax 20/40/80, Only the data of worst case is recorded in the report.

7.2.3 Test Setup Diagram



7.2.4 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.

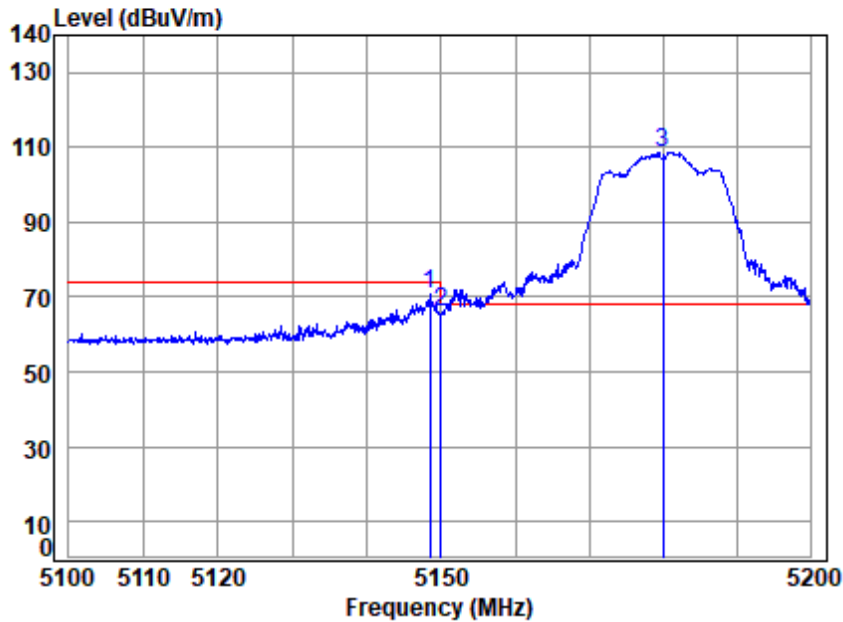
Remark 1: Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor

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: 09; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low

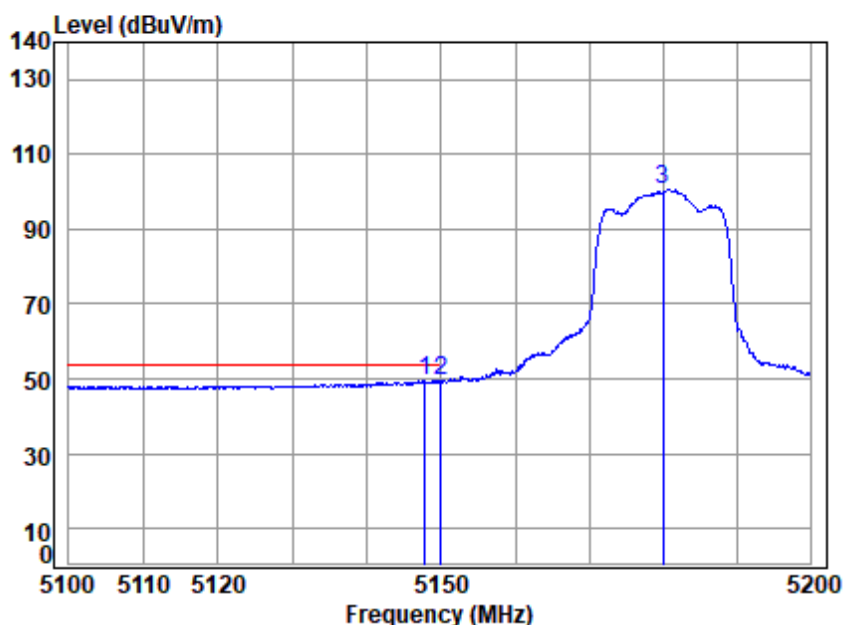


Site : chamber
Condition: 3m HORIZONTAL
Job No : 03614AT
Mode : 5180 Band edge
: 5G WIFI 11A

		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	18.47	33.90	31.28	49.51	70.60	74.00	-3.40 peak
2	5149.980	18.47	33.90	31.28	45.10	66.19	74.00	-7.81 peak
3 p	5180.000	18.56	33.96	31.30	87.46	108.68	68.20	40.48 peak



Test Mode: 09; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low

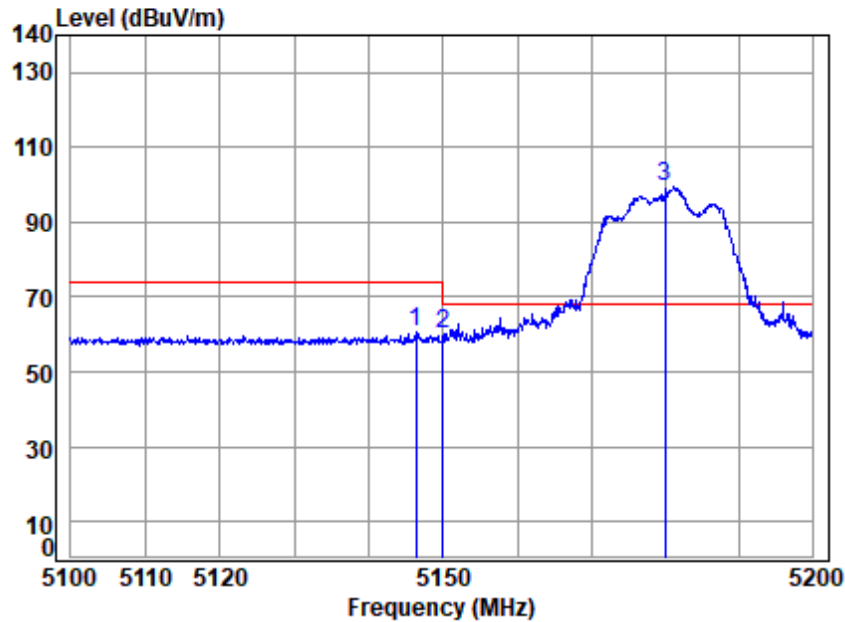


Site : chamber
Condition: 3m HORIZONTAL
Job No : 03614AT
Mode : 5180 Band edge
: 5G WIFI 11A

		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	5147.857	18.47	33.90	31.28	28.46	49.55	54.00	-4.45 Average
2 q	5149.980	18.47	33.90	31.28	28.63	49.72	54.00	-4.28 Average
3	5180.000	18.56	33.96	31.30	79.37	100.59	-----	----- Average



Test Mode: 09; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low

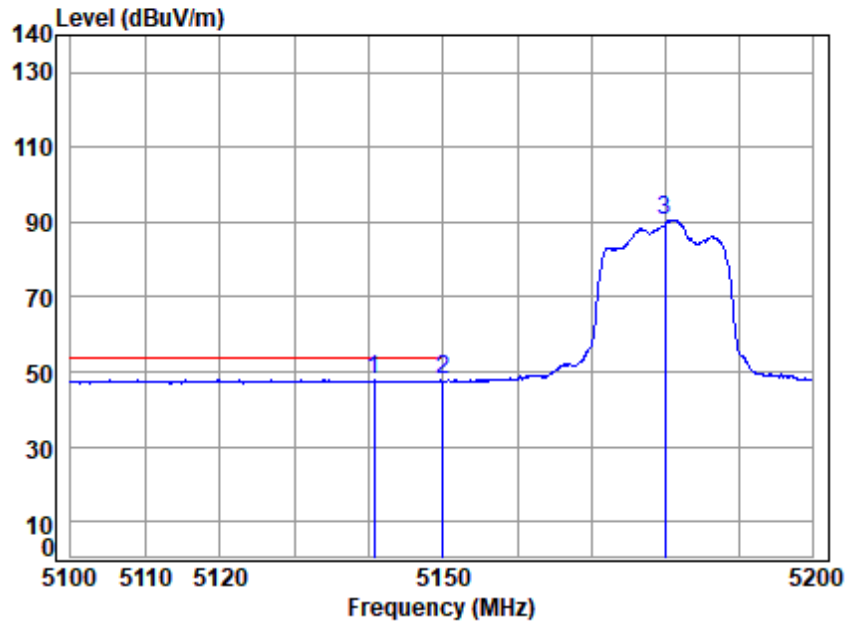


Site : chamber
Condition: 3m VERTICAL
Job No : 03614AT
Mode : 5180 Band edge
: 5G WIFI 11A

		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	5146.358	18.46	33.91	31.28	39.37	60.46	74.00	-13.54	Peak
2	5149.980	18.47	33.90	31.28	39.29	60.38	74.00	-13.62	Peak
3 p	5180.000	18.56	33.96	31.30	78.34	99.56	68.20	31.36	Peak



Test Mode: 09; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low

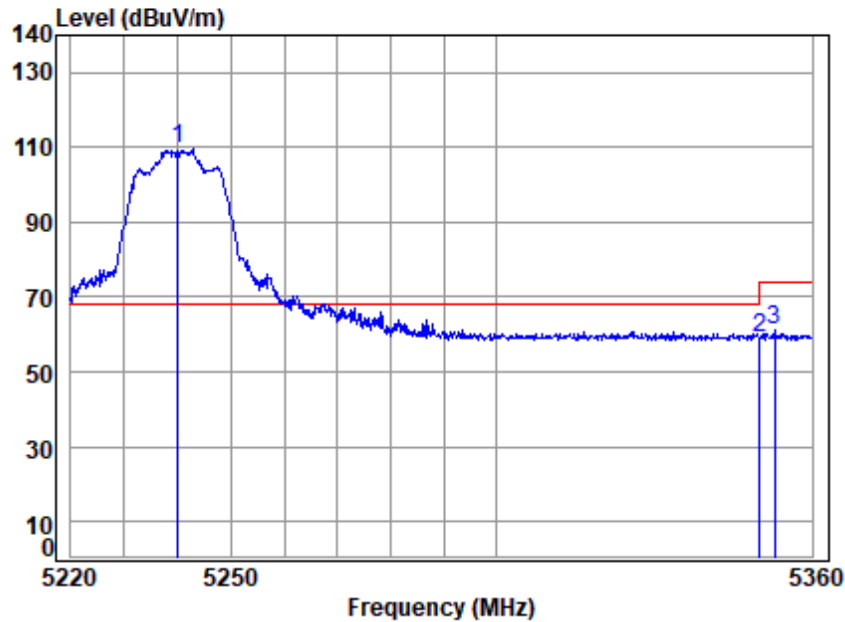


Site : chamber
Condition: 3m VERTICAL
Job No : 03614AT
Mode : 5180 Band edge
: 5G WIFI 11A

		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 q 5140.666	18.44	33.92	31.28	26.69	47.77	54.00	-6.23	Average
2 5149.980	18.47	33.90	31.28	26.60	47.69	54.00	-6.31	Average
3 5180.000	18.56	33.96	31.30	69.35	90.57	-----	-----	Average



Test Mode: 09; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:High

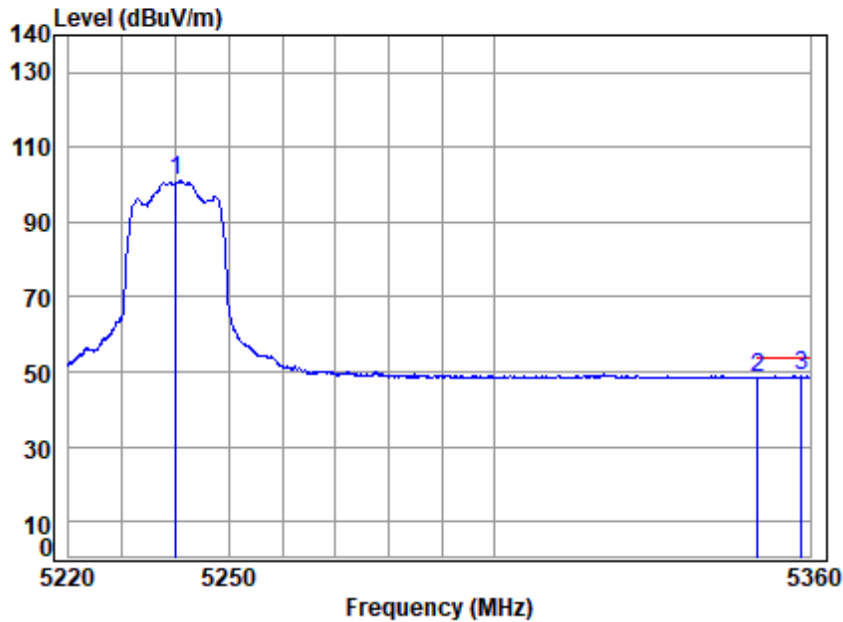


Site : chamber
Condition: 3m HORIZONTAL
Job No : 03614AT
Mode : 5240 Band edge
: 5G WIFI 11A

		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	5240.000	18.72	34.08	31.33	87.97	109.44	68.20	41.24	peak
2	5350.020	19.03	34.40	31.39	37.18	59.22	74.00	-14.78	peak
3	5352.770	19.03	34.41	31.39	38.90	60.95	74.00	-13.05	peak



Test Mode: 09; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:High

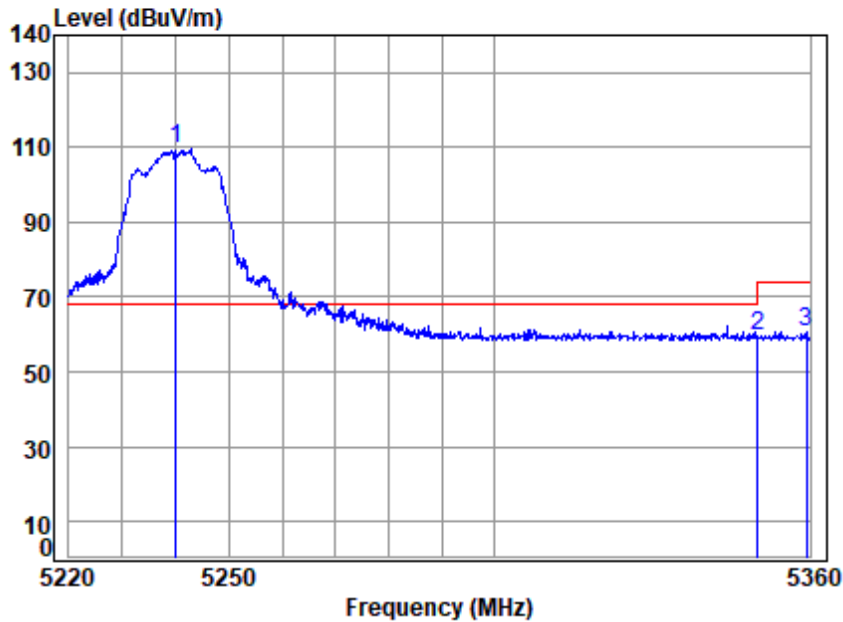


Site : chamber
Condition: 3m HORIZONTAL
Job No : 03614AT
Mode : 5240 Band edge
: 5G WIFI 11A

		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	5240.000	18.72	34.08	31.33	79.70	101.17	-----	----- Average
2	5350.020	19.03	34.40	31.39	26.40	48.44	54.00	-5.56 Average
3 q	5358.298	19.05	34.43	31.39	26.88	48.97	54.00	-5.03 Average



Test Mode: 09; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:High

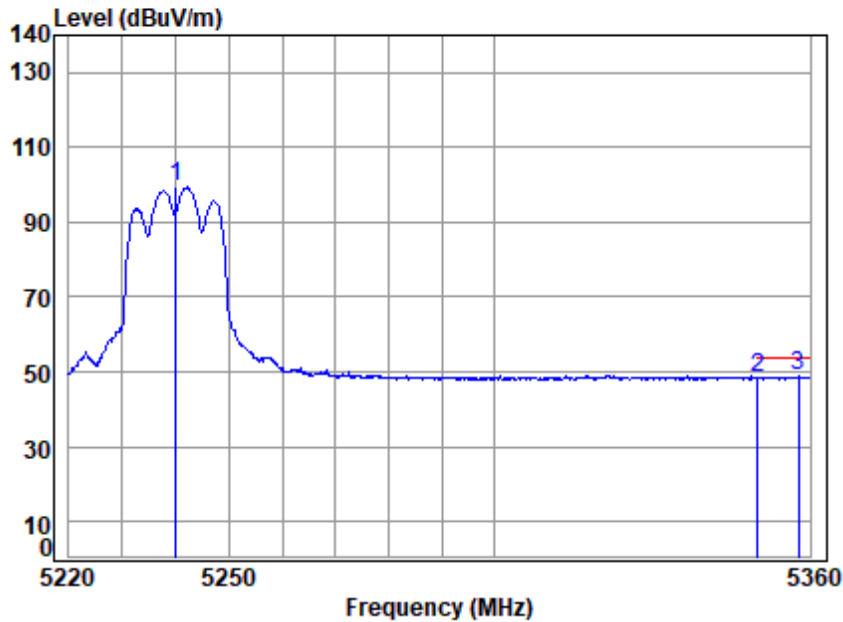


Site : chamber
Condition: 3m VERTICAL
Job No : 03614AT
Mode : 5240 Band edge
: 5G WIFI 11A

		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 5240.000	18.72	34.08	31.33	88.17	109.64	68.20	41.44	Peak
2 5350.020	19.03	34.40	31.39	37.44	59.48	74.00	-14.52	Peak
3 5359.291	19.05	34.44	31.39	38.56	60.66	74.00	-13.34	Peak



Test Mode: 09; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:High

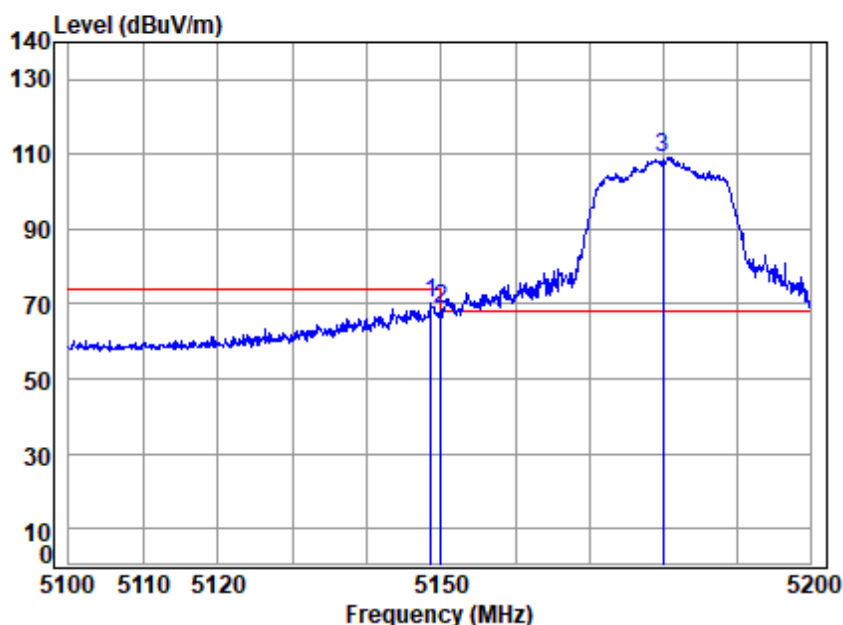


Site : chamber
Condition: 3m VERTICAL
Job No : 03614AT
Mode : 5240 Band edge
: 5G WIFI 11A

		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 5240.000	18.72	34.08	31.33	77.93	99.40	-----	-----	Average
2 5350.020	19.03	34.40	31.39	26.24	48.28	54.00	-5.72	Average
3 q 5357.730	19.05	34.43	31.39	26.62	48.71	54.00	-5.29	Average



Test Mode: 09; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:Low

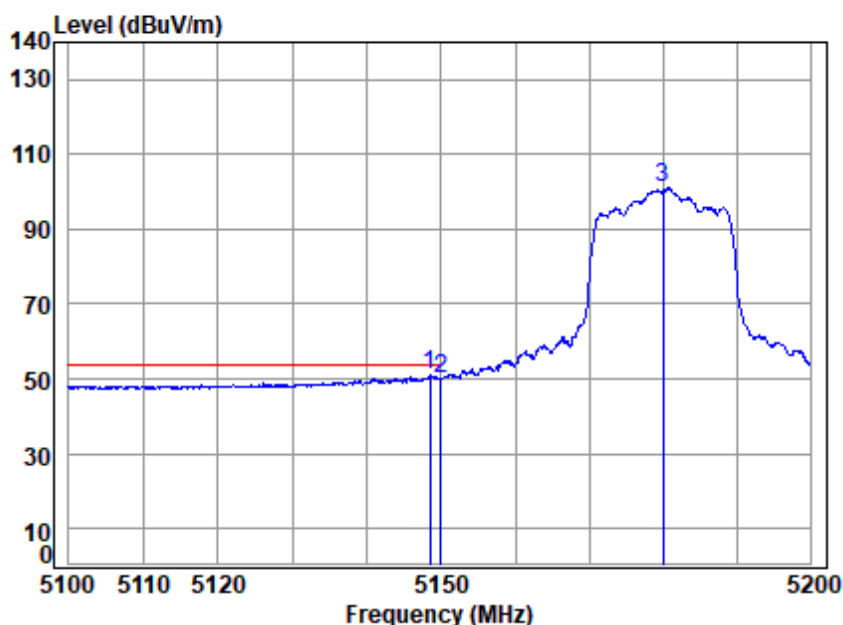


Site : chamber
Condition: 3m HORIZONTAL
Job No : 03614AT
Mode : 5180 Band edge
: 5G WIFI 11N20

		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	5148.558	18.47	33.90	31.28	49.17	70.26	74.00	-3.74 peak
2	5149.980	18.47	33.90	31.28	47.48	68.57	74.00	-5.43 peak
3 p	5180.000	18.56	33.96	31.30	87.82	109.04	68.20	40.84 peak



Test Mode: 09; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:Low

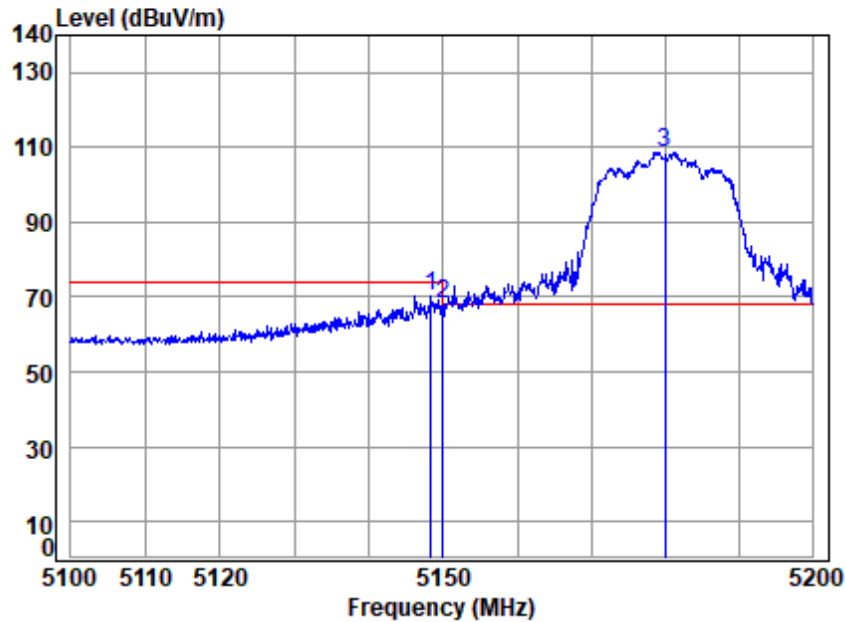


Site : chamber
Condition: 3m HORIZONTAL
Job No : 03614AT
Mode : 5180 Band edge
: 5G WIFI 11N20

		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 q 5148.458	18.47	33.90	31.28	29.94	51.03	54.00	-2.97	Average
2 5149.980	18.47	33.90	31.28	29.19	50.28	54.00	-3.72	Average
3 5180.000	18.56	33.96	31.30	79.75	100.97	-----	-----	Average



Test Mode: 09; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:Low

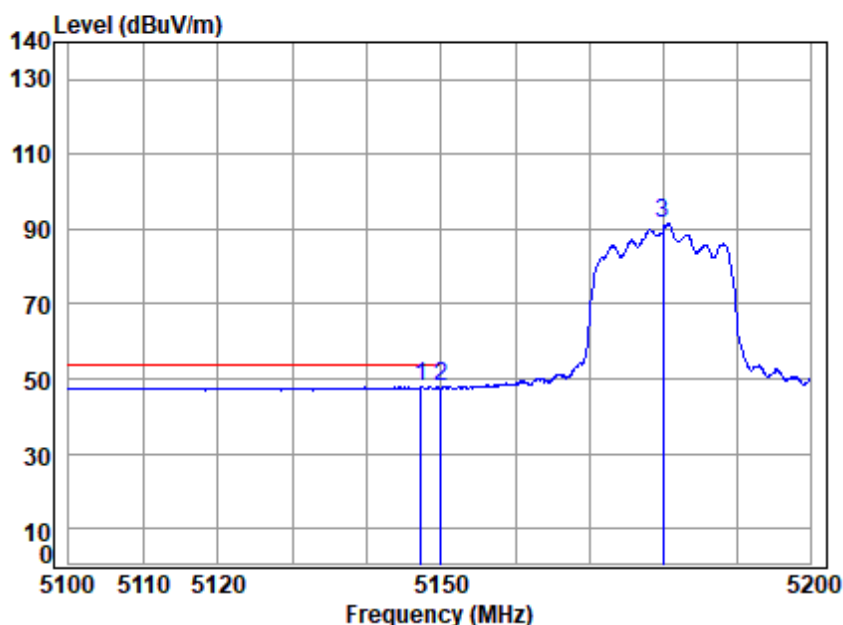


Site : chamber
Condition: 3m VERTICAL
Job No : 03614AT
Mode : 5180 Band edge
: 5G WIFI 11N20

		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	5148.357	18.47	33.90	31.28	49.31	70.40	74.00	-3.60	Peak
2	5149.980	18.47	33.90	31.28	46.96	68.05	74.00	-5.95	Peak
3 p	5180.000	18.56	33.96	31.30	87.61	108.83	68.20	40.63	Peak



Test Mode: 09; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:Low

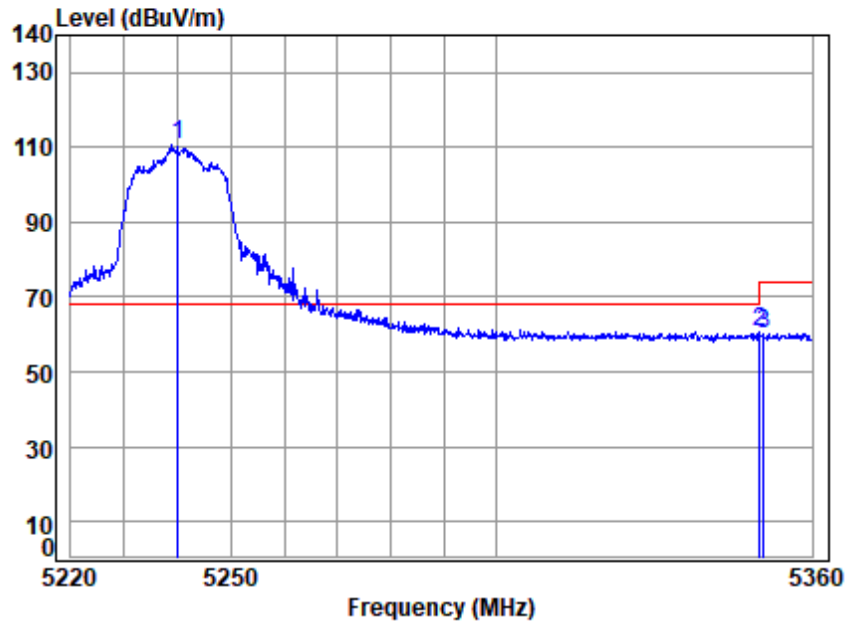


Site : chamber
Condition: 3m VERTICAL
Job No : 03614AT
Mode : 5180 Band edge
: 5G WIFI 11N20

		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 q 5147.258		18.46	33.91	31.28	26.90	47.99	54.00	-6.01 Average
2 5149.980		18.47	33.90	31.28	26.68	47.77	54.00	-6.23 Average
3 5180.000		18.56	33.96	31.30	70.15	91.37	-----	----- Average



Test Mode: 09; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:High

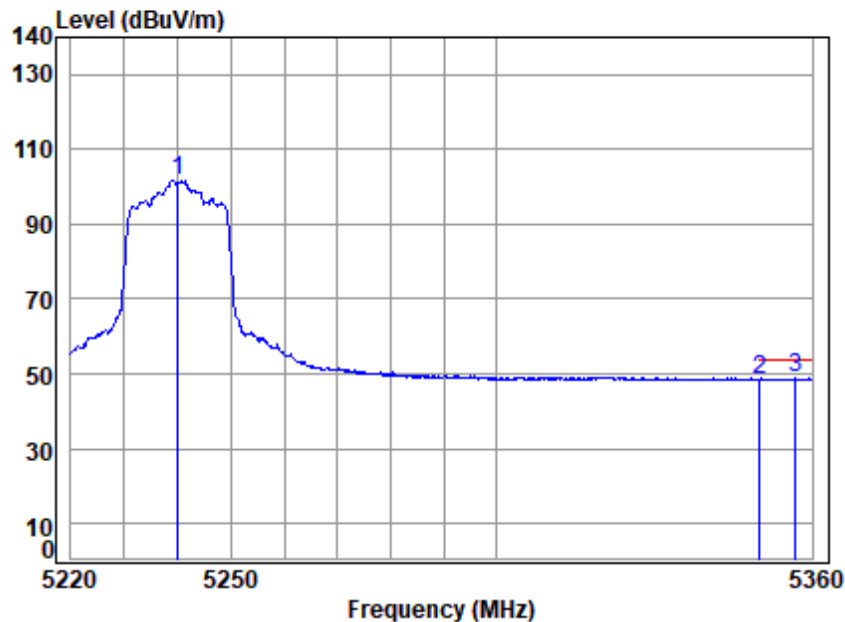


Site : chamber
Condition: 3m HORIZONTAL
Job No : 03614AT
Mode : 5240 Band edge
: 5G WIFI 11N20

		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 5240.000	18.72	34.08	31.33	89.10	110.57	68.20	42.37	peak
2 5350.020	19.03	34.40	31.39	38.49	60.53	74.00	-13.47	peak
3 5350.787	19.03	34.40	31.39	38.34	60.38	74.00	-13.62	peak



Test Mode: 09; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:High

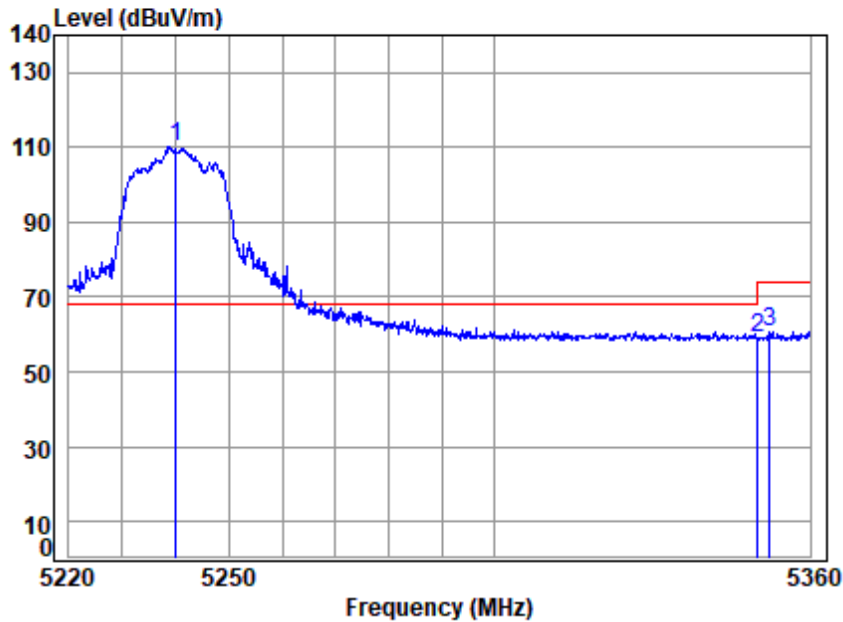


Site : chamber
Condition: 3m HORIZONTAL
Job No : 03614AT
Mode : 5240 Band edge
: 5G WIFI 11N20

		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 5240.000	18.72	34.08	31.33	80.40	101.87	-----	-----	Average
2 5350.020	19.03	34.40	31.39	26.44	48.48	54.00	-5.52	Average
3 q 5356.880	19.05	34.43	31.39	26.75	48.84	54.00	-5.16	Average



Test Mode: 09; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:High

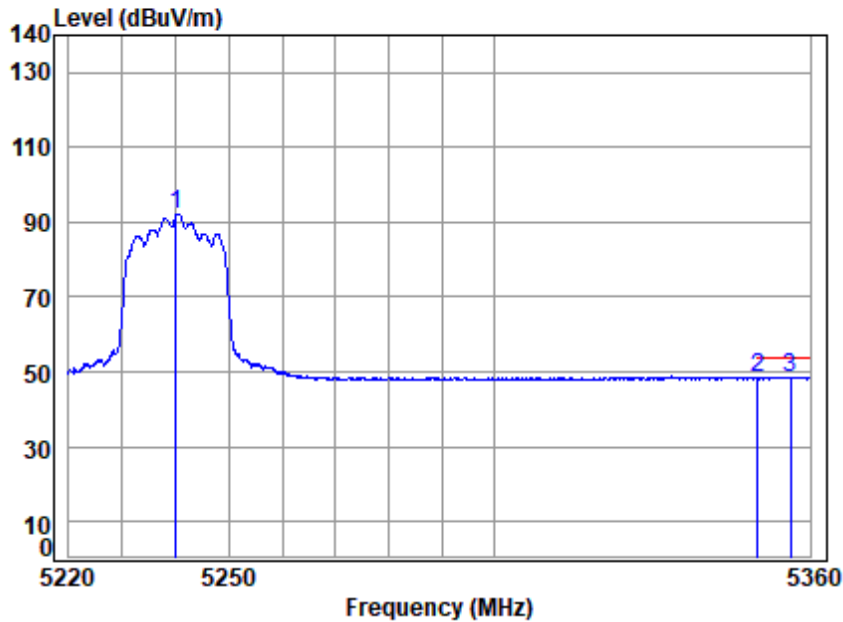


Site : chamber
Condition: 3m VERTICAL
Job No : 03614AT
Mode : 5240 Band edge
: 5G WIFI 11N20

		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 5240.000	18.72	34.08	31.33	88.83	110.30	68.20	42.10	Peak
2 5350.020	19.03	34.40	31.39	37.11	59.15	74.00	-14.85	Peak
3 5352.203	19.03	34.41	31.39	38.60	60.65	74.00	-13.35	Peak



Test Mode: 09; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:High

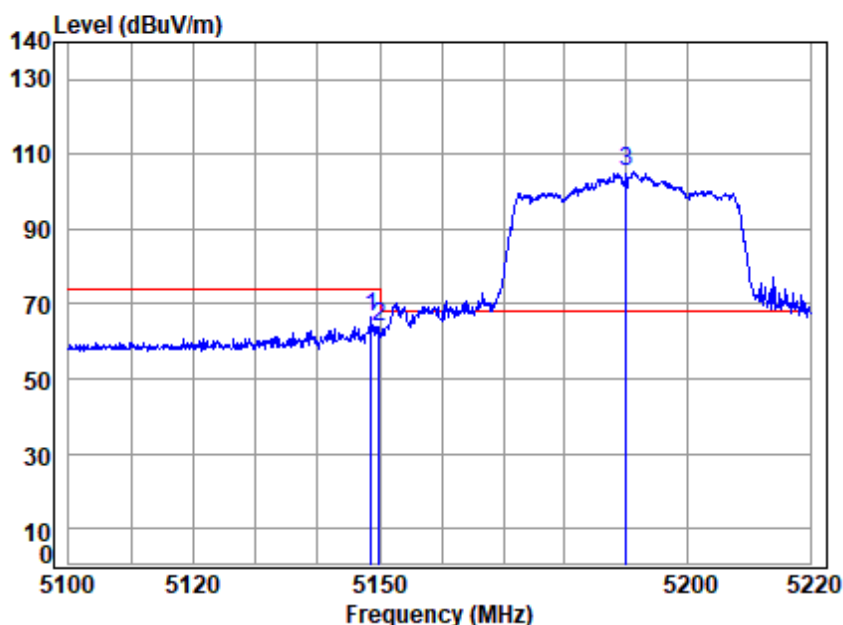


Site : chamber
Condition: 3m VERTICAL
Job No : 03614AT
Mode : 5240 Band edge
: 5G WIFI 11N20

		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	5240.000	18.72	34.08	31.33	70.74	92.21	-----	----- Average
2	5350.020	19.03	34.40	31.39	26.44	48.48	54.00	-5.52 Average
3 q	5356.171	19.04	34.42	31.39	26.51	48.58	54.00	-5.42 Average



Test Mode: 09; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:Low

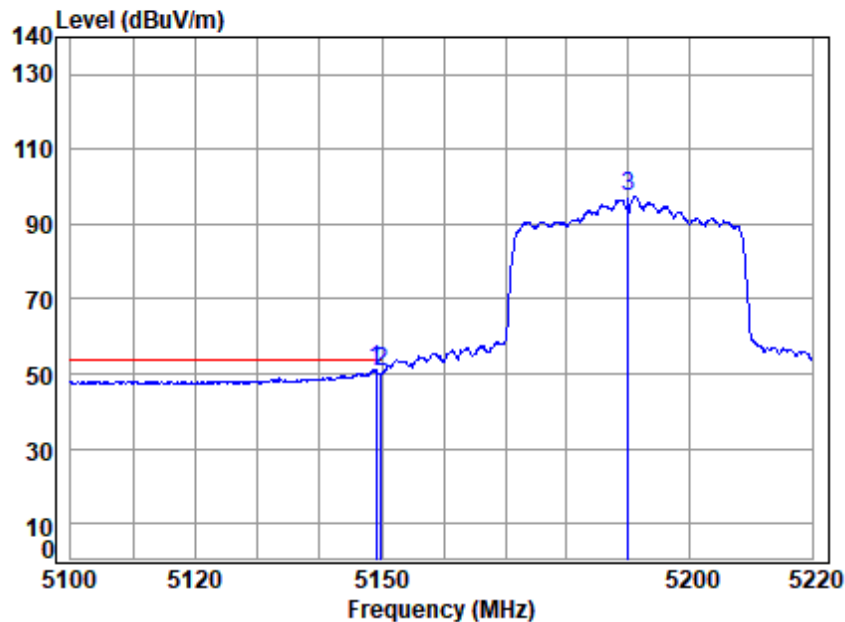


Site : chamber
Condition: 3m HORIZONTAL
Job No : 03614AT
Mode : 5190 Band edge
: 5G WIFI 11N40

		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	5148.623	18.47	33.90	31.28	45.65	66.74	74.00	-7.26 peak
2	5149.980	18.47	33.90	31.28	42.57	63.66	74.00	-10.34 peak
3 p	5190.000	18.58	33.98	31.30	83.88	105.14	68.20	36.94 peak



Test Mode: 09; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 03614AT
Mode : 5190 Band edge
: 5G WIFI 11N40

		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 q	5149.102	18.47	33.90	31.28	30.05	51.14	54.00	-2.86 Average
2	5149.980	18.47	33.90	31.28	29.33	50.42	54.00	-3.58 Average
3	5190.000	18.58	33.98	31.30	76.11	97.37	-----	----- Average



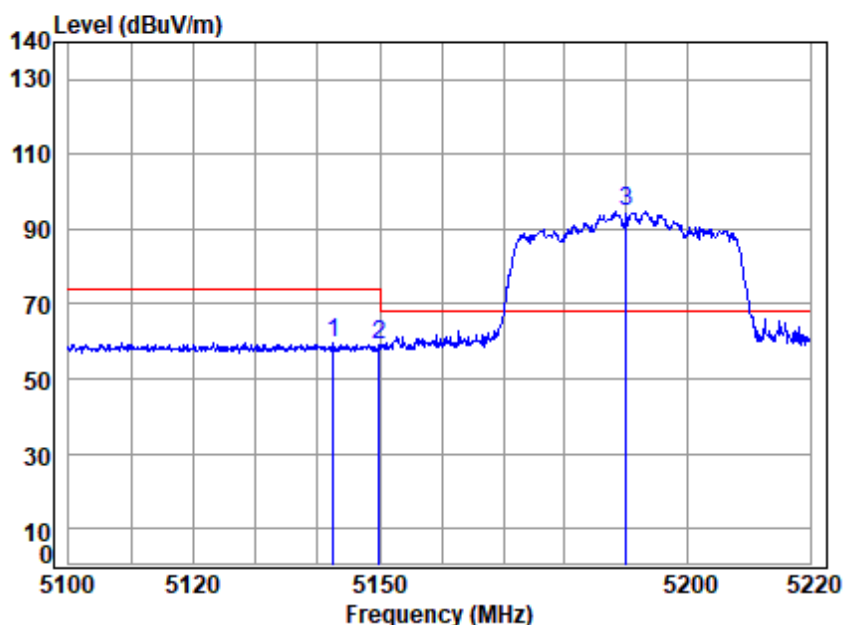
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Report No.: SZCR250800361405

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Test Mode: 09; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



Site : chamber
Condition: 3m VERTICAL
Job No : 03614AT
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 5142.520	18.45	33.91	31.28	38.39	59.47	74.00	-14.53	Peak
2 5149.980	18.47	33.90	31.28	38.22	59.31	74.00	-14.69	Peak
3 p 5190.000	18.58	33.98	31.30	73.38	94.64	68.20	26.44	Peak



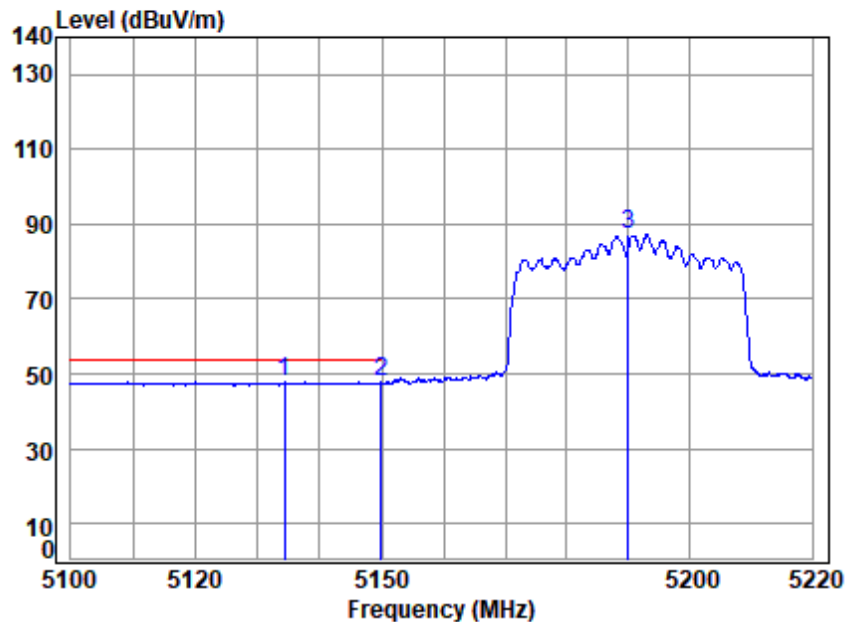
SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch Inspection & Testing Laboratory

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Test Mode: 09; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:Low

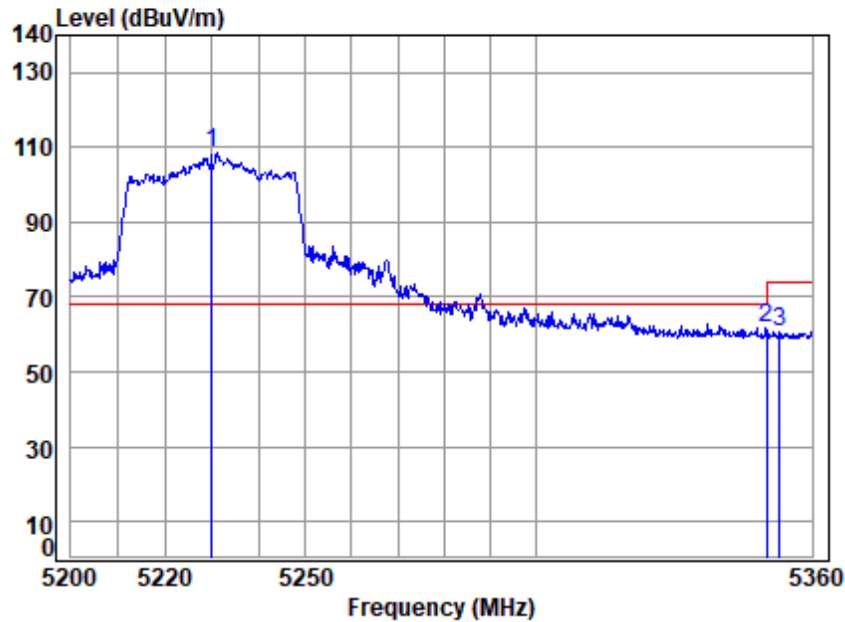


Site : chamber
Condition: 3m VERTICAL
Job No : 03614AT
Mode : 5190 Band edge
: 5G WIFI 11N40

		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	5134.274	18.43	33.93	31.27	27.02	48.11	54.00	-5.89 Average
2	5149.980	18.47	33.90	31.28	26.57	47.66	54.00	-6.34 Average
3	5190.000	18.58	33.98	31.30	66.02	87.28	-----	----- Average



Test Mode: 09; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:High

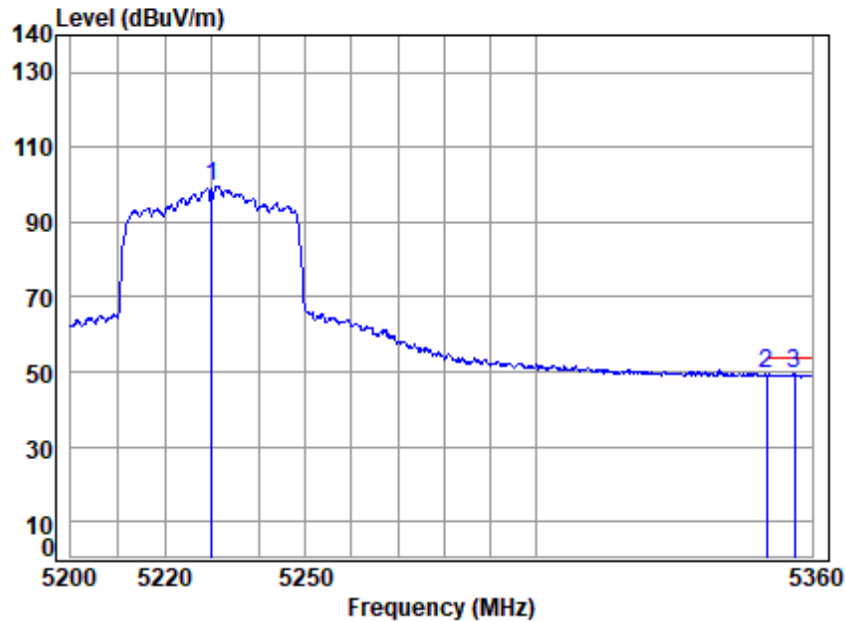


Site : chamber
Condition: 3m HORIZONTAL
Job No : 03614AT
Mode : 5230 Band edge
: 5G WIFI 11N40

		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 5230.000	18.70	34.06	31.32	87.37	108.81	68.20	40.61	peak
2 5350.020	19.03	34.40	31.39	39.53	61.57	74.00	-12.43	peak
3 5352.857	19.03	34.41	31.39	38.85	60.90	74.00	-13.10	peak



Test Mode: 09; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:High

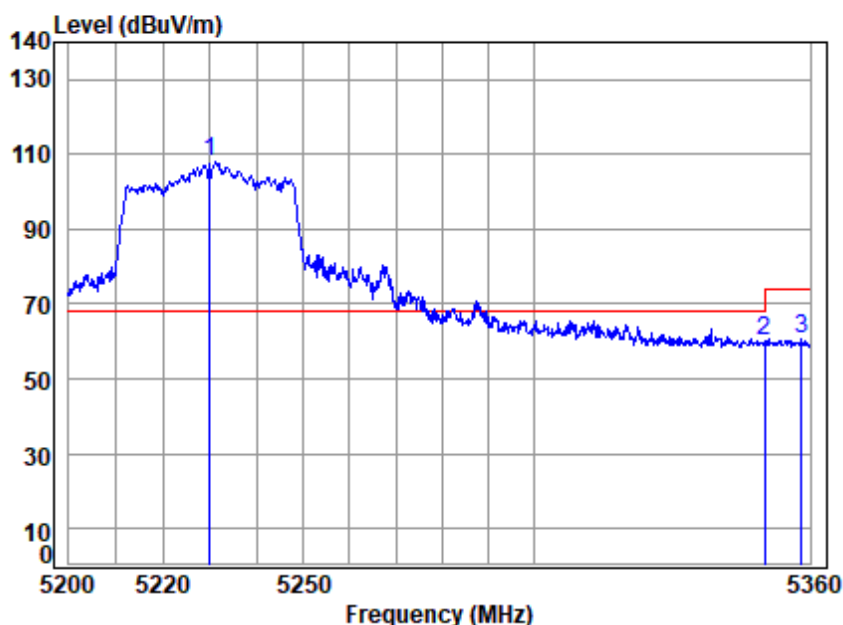


Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 03614AT
 Mode : 5230 Band edge
 : 5G WIFI 11N40

		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5230.000	18.70	34.06	31.32	78.28	99.72	-----	Average
2	5350.020	19.03	34.40	31.39	27.27	49.31	54.00	-4.69 Average
3 q	5356.265	19.04	34.43	31.39	27.31	49.39	54.00	-4.61 Average



Test Mode: 09; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:High



Site : chamber
Condition: 3m VERTICAL
Job No : 03614AT
Mode : 5230 Band edge
: 5G WIFI 11N40

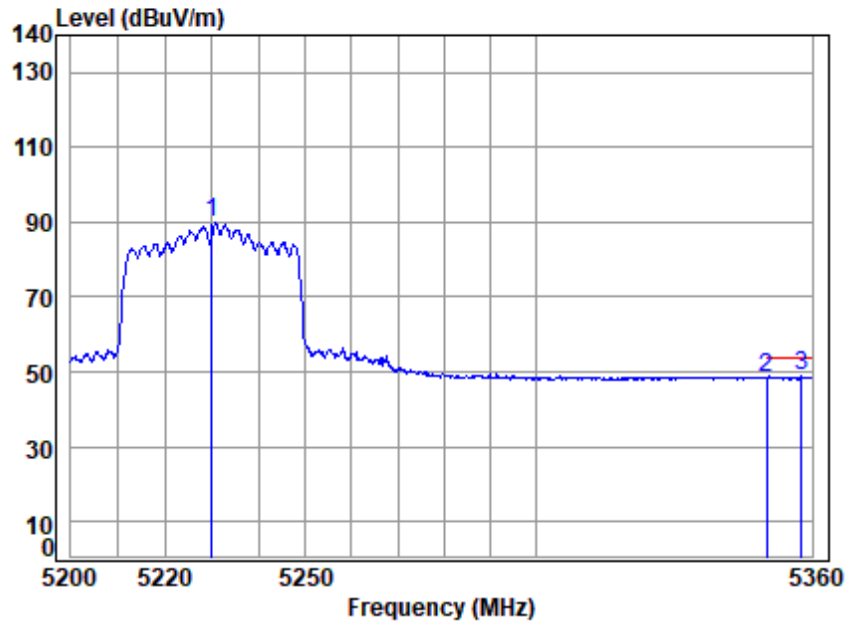
		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 p	5230.000	18.70	34.06	31.32	86.83	108.27	68.20	40.07 Peak
2	5350.020	19.03	34.40	31.39	37.91	59.95	74.00	-14.05 Peak
3	5358.213	19.05	34.43	31.39	38.83	60.92	74.00	-13.08 Peak



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Test Mode: 09; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:High

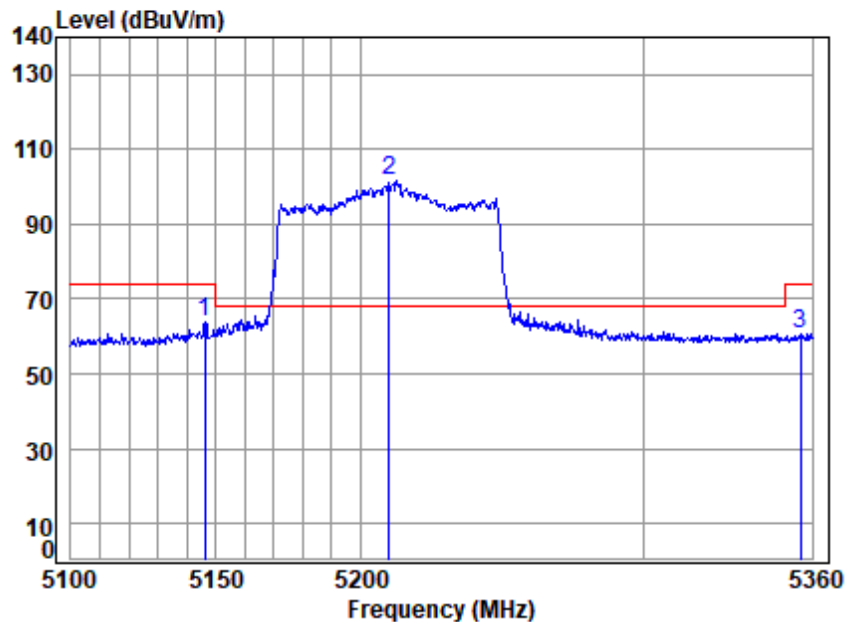


Site : chamber
Condition: 3m VERTICAL
Job No : 03614AT
Mode : 5230 Band edge
: 5G WIFI 11N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5230.000	18.70	34.06	31.32	68.48	89.92	-----	-----	Average
2	5350.020	19.03	34.40	31.39	26.42	48.46	54.00	-5.54	Average
3 q	5357.727	19.05	34.43	31.39	26.68	48.77	54.00	-5.23	Average



Test Mode: 09; Polarity: Horizontal; Modulation: 802.11ac; Bandwidth: 80MHz; Channel: middle

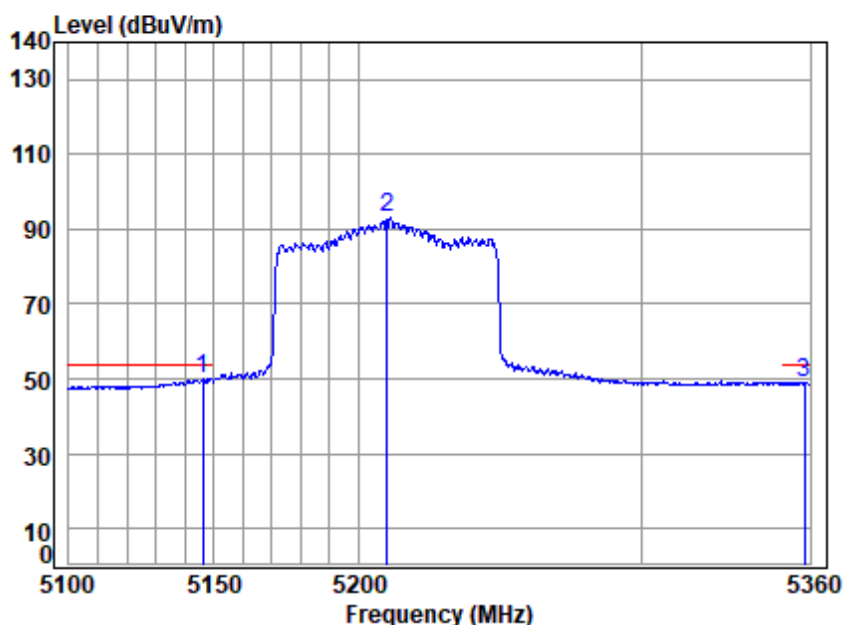


Site : chamber
Condition: 3m HORIZONTAL
Job No : 03614AT
Mode : 5210 Band edge
: 5G WIFI 11AC80

		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 5146.107	18.46	33.91	31.28	42.83	63.92	74.00	-10.08	peak
2 p 5210.000	18.64	34.02	31.31	80.48	101.83	68.20	33.63	peak
3 5355.737	19.04	34.42	31.39	38.71	60.78	74.00	-13.22	peak



Test Mode: 09; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:80MHz; Channel:middle

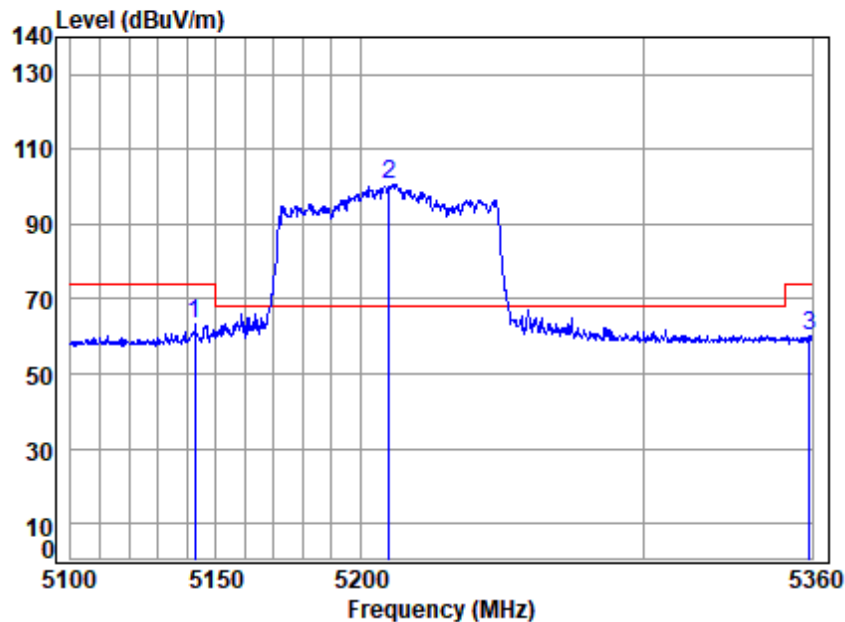


Site : chamber
Condition: 3m HORIZONTAL
Job No : 03614AT
Mode : 5210 Band edge
: 5G WIFI 11AC80

		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 q 5146.107		18.46	33.91	31.28	29.02	50.11	54.00	-3.89 Average
2 5210.000		18.64	34.02	31.31	71.67	93.02	-----	----- Average
3 5358.135		19.05	34.43	31.39	26.90	48.99	54.00	-5.01 Average



Test Mode: 09; Polarity: Vertical; Modulation:802.11ac; Bandwidth:80MHz; Channel:middle

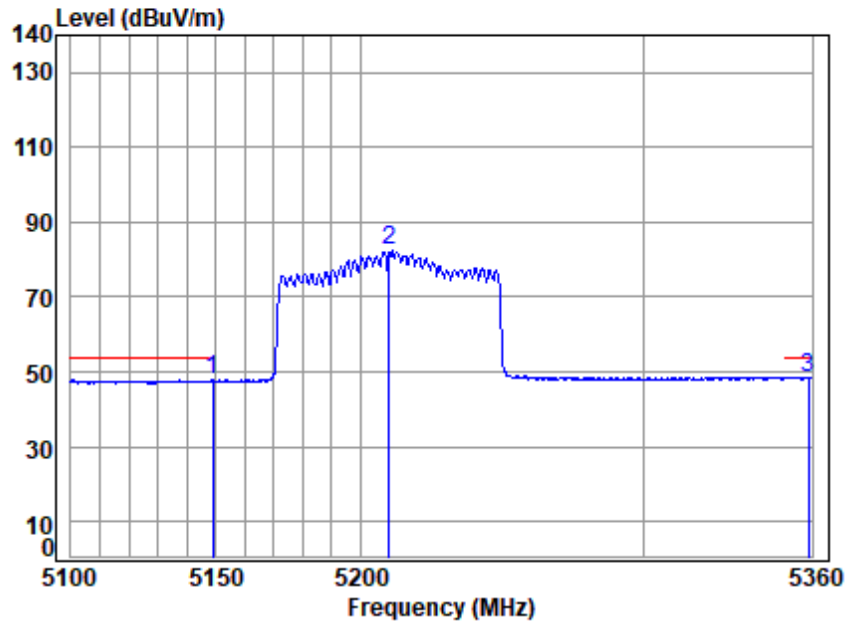


Site : chamber
Condition: 3m VERTICAL
Job No : 03614AT
Mode : 5210 Band edge
: 5G WIFI 11AC80

		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	5142.781	18.45	33.91	31.28	42.35	63.43	74.00	-10.57	Peak
2 p	5210.000	18.64	34.02	31.31	79.47	100.82	68.20	32.62	Peak
3	5359.201	19.05	34.44	31.39	38.05	60.15	74.00	-13.85	Peak



Test Mode: 09; Polarity: Vertical; Modulation:802.11ac; Bandwidth:80MHz; Channel:middle

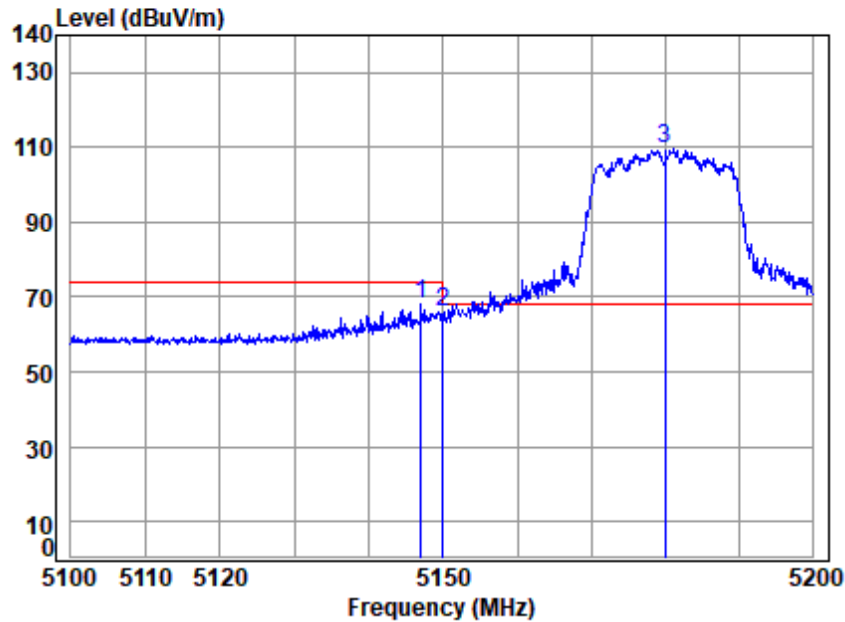


Site : chamber
Condition: 3m VERTICAL
Job No : 03614AT
Mode : 5210 Band edge
: 5G WIFI 11AC80

		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	5148.667	18.47	33.90	31.28	26.66	47.75	54.00	-6.25 Average
2	5210.000	18.64	34.02	31.31	61.00	82.35	-----	----- Average
3 q	5358.667	19.05	34.43	31.39	26.61	48.70	54.00	-5.30 Average



Test Mode: 09; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 03614AT
Mode : 5180 Band edge
: 5G WIFI 11AX20

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5147.058	18.46	33.91	31.28	47.06	68.15	74.00	-5.85	peak
2	5149.980	18.47	33.90	31.28	44.72	65.81	74.00	-8.19	peak
3 p	5180.000	18.56	33.96	31.30	88.68	109.90	68.20	41.70	peak



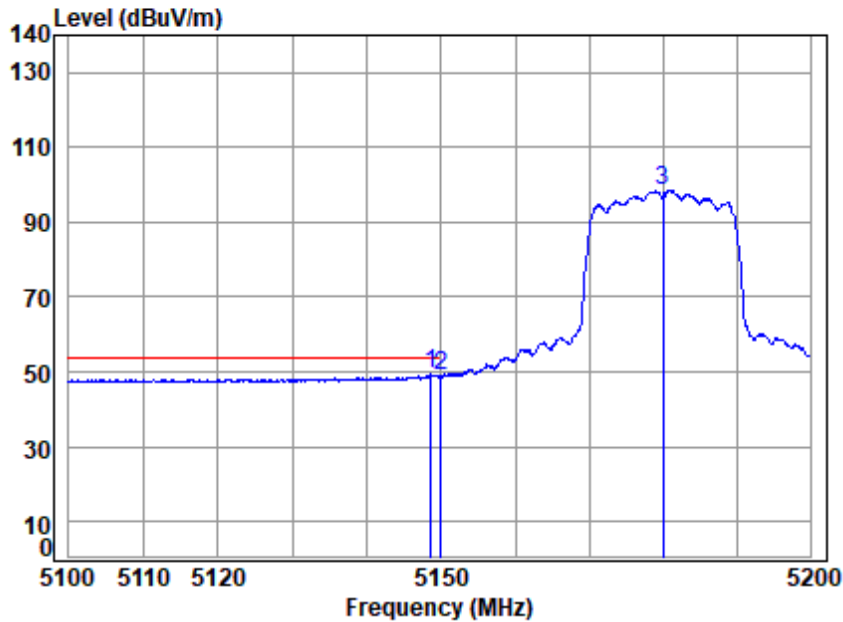
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Report No.: SZCR250800361405

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Test Mode: 09; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 03614AT
Mode : 5180 Band edge
: 5G WIFI 11AX20

		Cable	Ant	Preamp	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 5148.657	18.47	33.90	31.28	28.15	49.24	54.00	-4.76	Average
2 5149.980	18.47	33.90	31.28	27.83	48.92	54.00	-5.08	Average
3 5180.000	18.56	33.96	31.30	77.37	98.59	-----	-----	Average



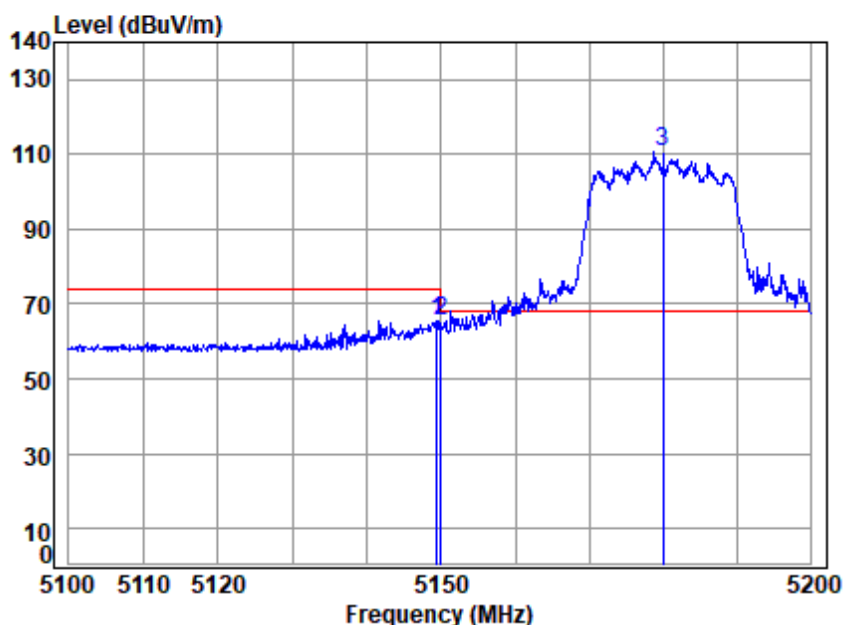
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Test Mode: 09; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:Low

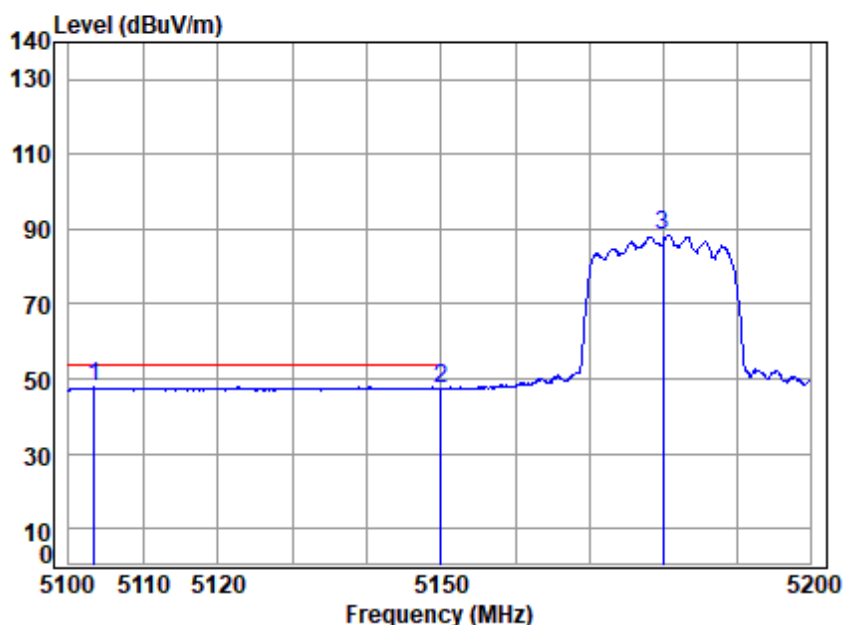


Site : chamber
Condition: 3m VERTICAL
Job No : 03614AT
Mode : 5180 Band edge
: 5G WIFI 11AX20

		Cable	Ant	Preamp	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	18.47	33.90	31.28	44.16	65.25	74.00	-8.75	Peak
2	5149.980	18.47	33.90	31.28	44.16	65.25	74.00	-8.75	Peak
3 p	5180.000	18.56	33.96	31.30	89.27	110.49	68.20	42.29	Peak



Test Mode: 09; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:Low



Site : chamber
Condition: 3m VERTICAL
Job No : 03614AT
Mode : 5180 Band edge
: 5G WIFI 11AX20

		Cable	Ant	Preamp	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 5103.368	18.34	33.99	31.26	26.84	47.91	54.00	-6.09	Average
2 5149.980	18.47	33.90	31.28	26.38	47.47	54.00	-6.53	Average
3 5180.000	18.56	33.96	31.30	67.39	88.61	-----	-----	Average



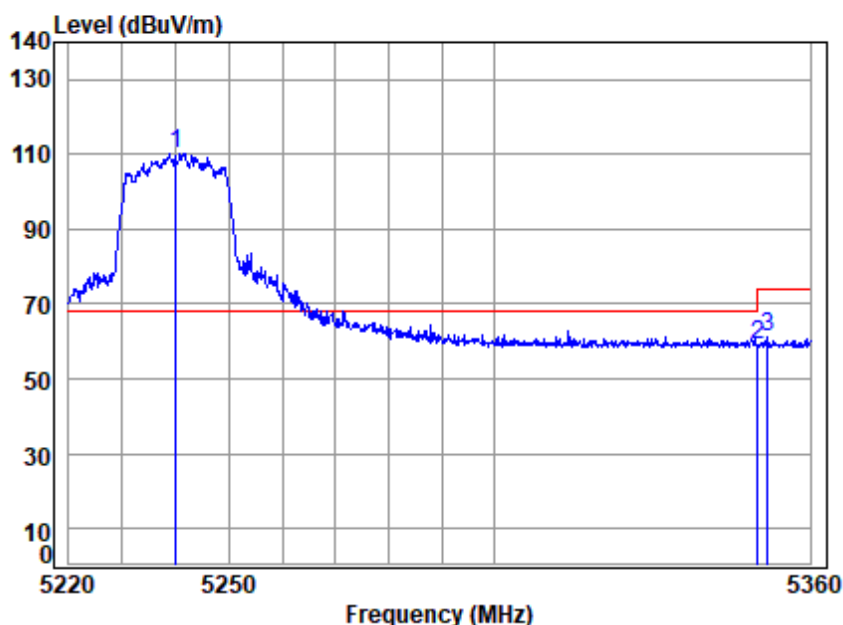
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Test Mode: 09; Polarity: Horizontal; Modulation: 802.11ax(Full RU0); Bandwidth: 20MHz; Channel: High



Site : chamber
Condition: 3m HORIZONTAL
Job No : 03614AT
Mode : 5240 Band edge
: 5G WIFI 11AX20

		Cable	Ant	Preamp	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 5240.000	18.72	34.08	31.33	88.97	110.44	68.20	42.24	peak
2 5350.020	19.03	34.40	31.39	37.22	59.26	74.00	-14.74	peak
3 5351.920	19.03	34.41	31.39	38.93	60.98	74.00	-13.02	peak



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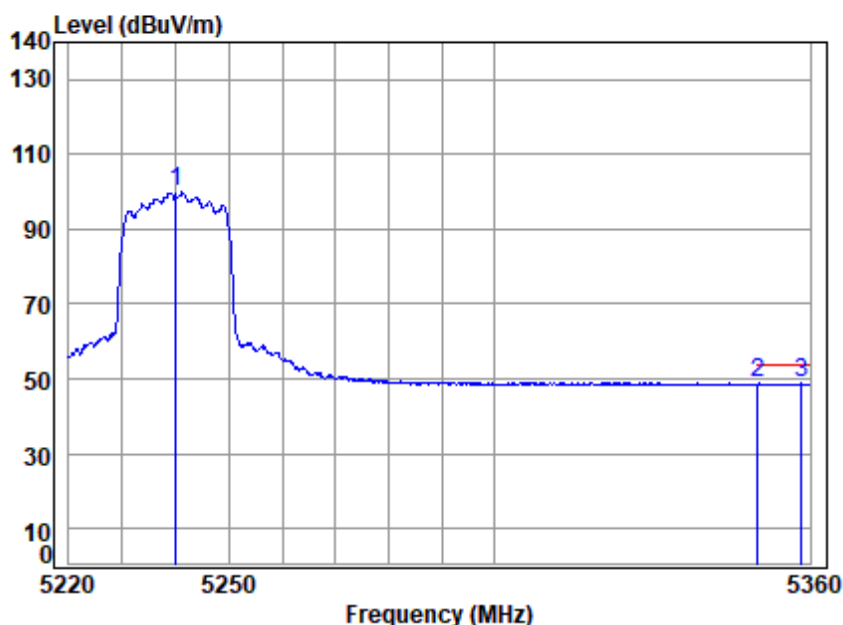
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Test Mode: 09; Polarity: Horizontal; Modulation: 802.11ax(Full RU0); Bandwidth: 20MHz; Channel: High



Site : chamber
Condition: 3m HORIZONTAL
Job No : 03614AT
Mode : 5240 Band edge
: 5G WIFI 11AX20

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5240.000	18.72	34.08	31.33	78.37	99.84	-----	----- Average
2 q	5350.020	19.03	34.40	31.39	26.81	48.85	54.00	-5.15 Average
3	5358.298	19.05	34.43	31.39	26.67	48.76	54.00	-5.24 Average



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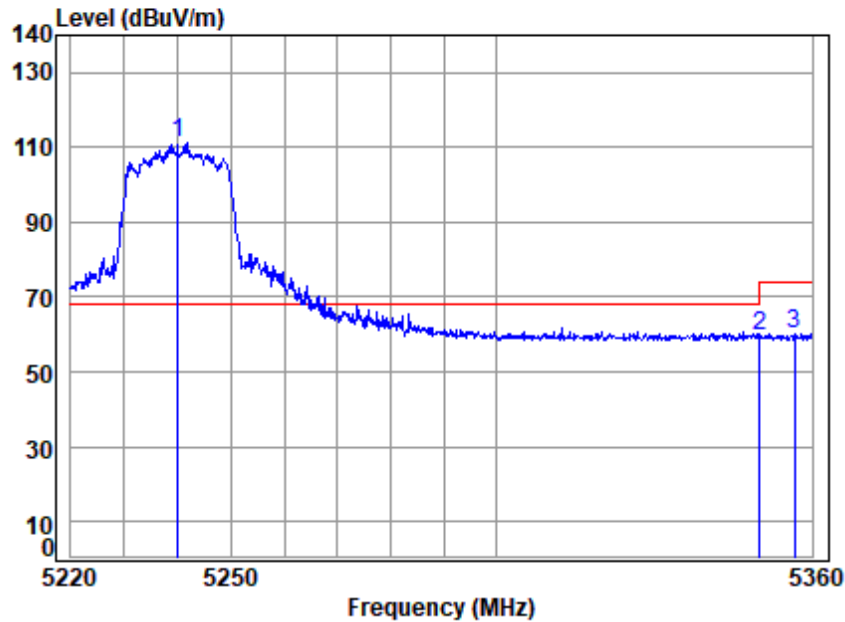
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Report No.: SZCR250800361405

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Test Mode: 09; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:High



Site : chamber
Condition: 3m VERTICAL
Job No : 03614AT
Mode : 5240 Band edge
: 5G WIFI 11AX20

		Cable	Ant	Preamp	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	5240.000	18.72	34.08	31.33	89.53	111.00	68.20	42.80 Peak
2	5350.020	19.03	34.40	31.39	37.48	59.52	74.00	-14.48 Peak
3	5356.596	19.04	34.43	31.39	38.27	60.35	74.00	-13.65 Peak



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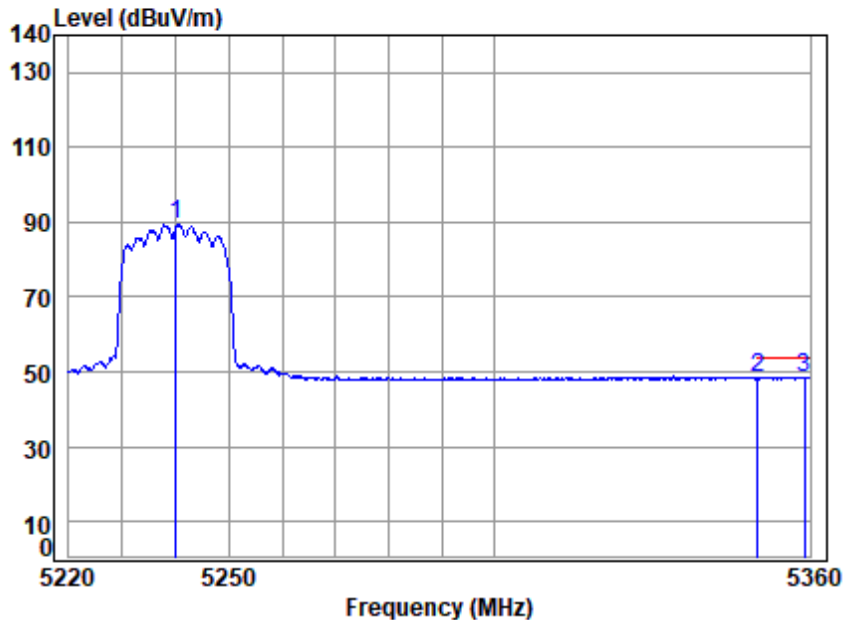
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Test Mode: 09; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:High



Site : chamber
Condition: 3m VERTICAL
Job No : 03614AT
Mode : 5240 Band edge
: 5G WIFI 11AX20

		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5240.000	18.72	34.08	31.33	67.87	89.34	-----	----- Average
2	5350.020	19.03	34.40	31.39	26.16	48.20	54.00	-5.80 Average
3 q	5358.865	19.05	34.44	31.39	26.54	48.64	54.00	-5.36 Average



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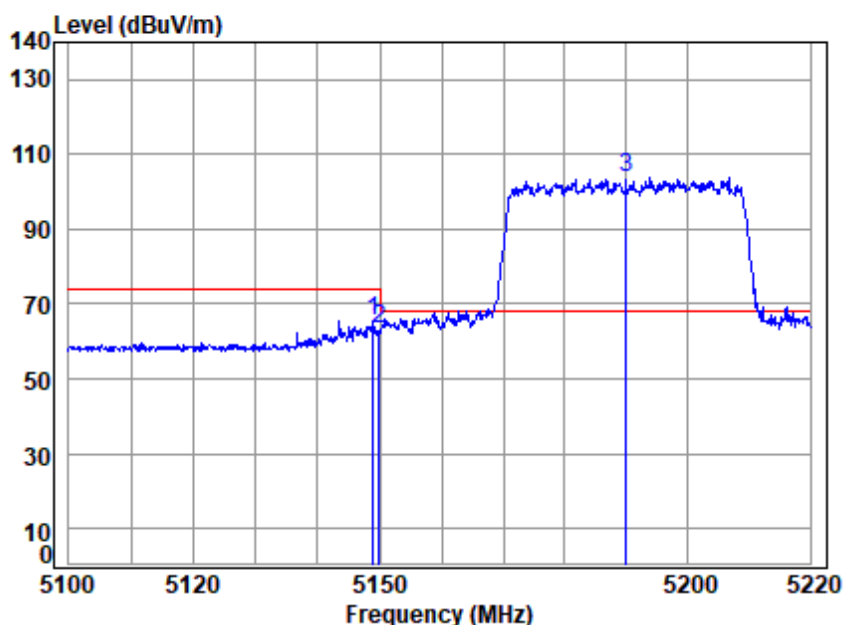
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Test Mode: 09; Polarity: Horizontal; Modulation: 802.11ax(Full RU0); Bandwidth: 40MHz; Channel: Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 03614AT
Mode : 5190 Band edge
: 5G WIFI 11AX40

		Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5148.982	18.47	33.90	31.28	44.23	65.32	74.00	-8.68 peak
2	5149.980	18.47	33.90	31.28	42.00	63.09	74.00	-10.91 peak
3 p	5190.000	18.58	33.98	31.30	82.65	103.91	68.20	35.71 peak



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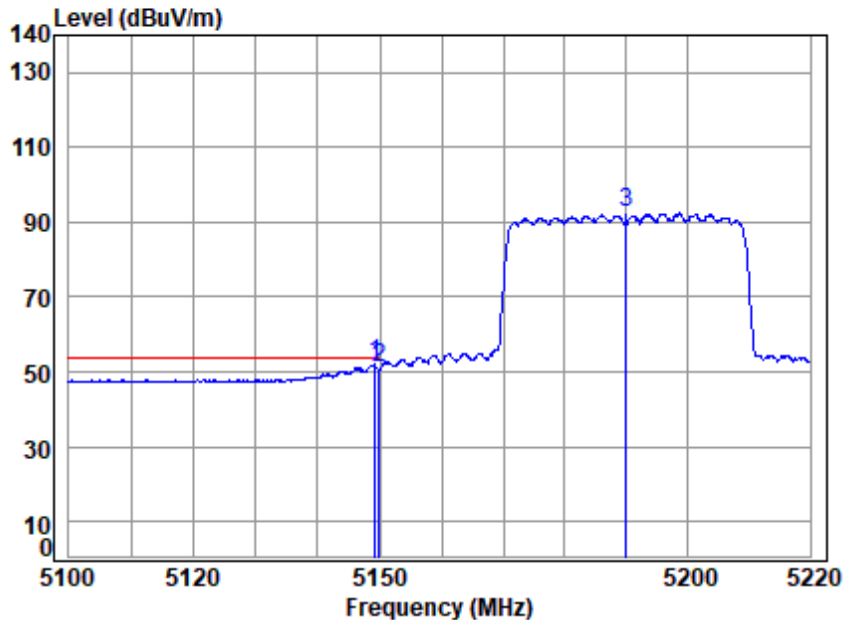
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Test Mode: 09; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 03614AT
Mode : 5190 Band edge
: 5G WIFI 11AX40

		Cable	Ant	Preamp	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 5149.222	18.47	33.90	31.28	30.93	52.02	54.00	-1.98	Average
2 5149.980	18.47	33.90	31.28	29.94	51.03	54.00	-2.97	Average
3 5190.000	18.58	33.98	31.30	71.40	92.66	-----	-----	Average



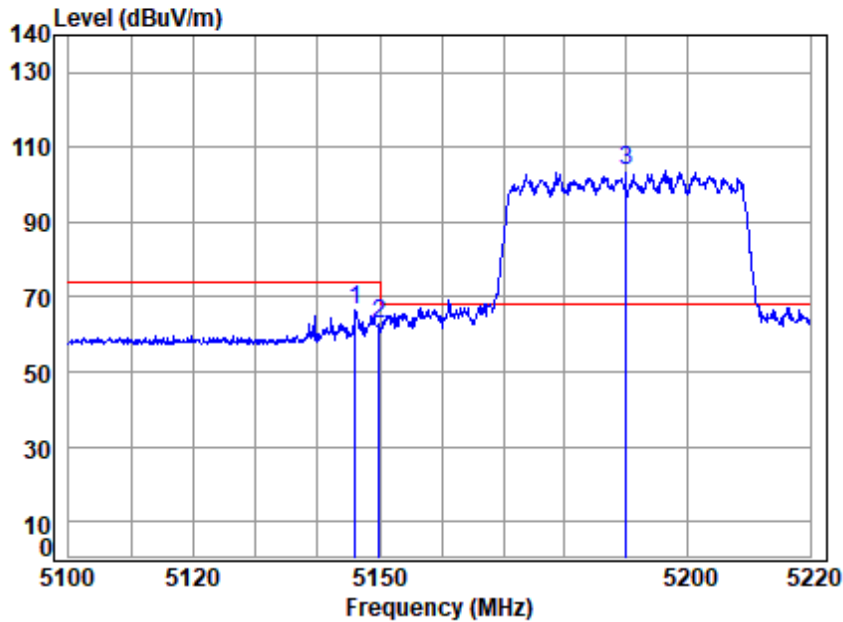
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Test Mode: 09; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:Low

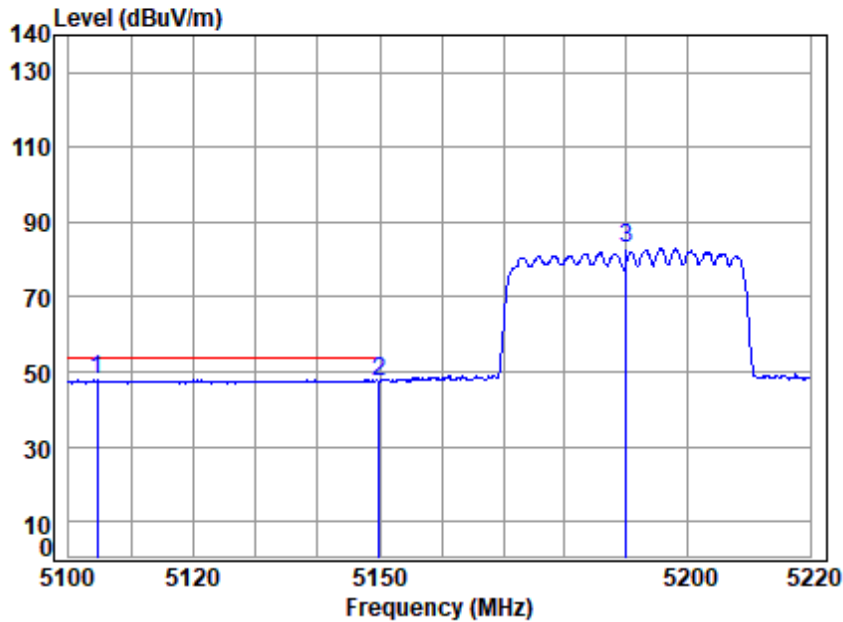


Site : chamber
Condition: 3m VERTICAL
Job No : 03614AT
Mode : 5190 Band edge
: 5G WIFI 11AX40

		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	5146.109	18.46	33.91	31.28	45.38	66.47	74.00	-7.53 Peak
2	5149.980	18.47	33.90	31.28	41.74	62.83	74.00	-11.17 Peak
3 p	5190.000	18.58	33.98	31.30	82.51	103.77	68.20	35.57 Peak



Test Mode: 09; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:Low



Site : chamber
Condition: 3m VERTICAL
Job No : 03614AT
Mode : 5190 Band edge
: 5G WIFI 11AX40

		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 q	5104.628	18.34	33.99	31.26	26.86	47.93	54.00	-6.07 Average
2	5149.980	18.47	33.90	31.28	26.54	47.63	54.00	-6.37 Average
3	5190.000	18.58	33.98	31.30	61.82	83.08	-----	----- Average



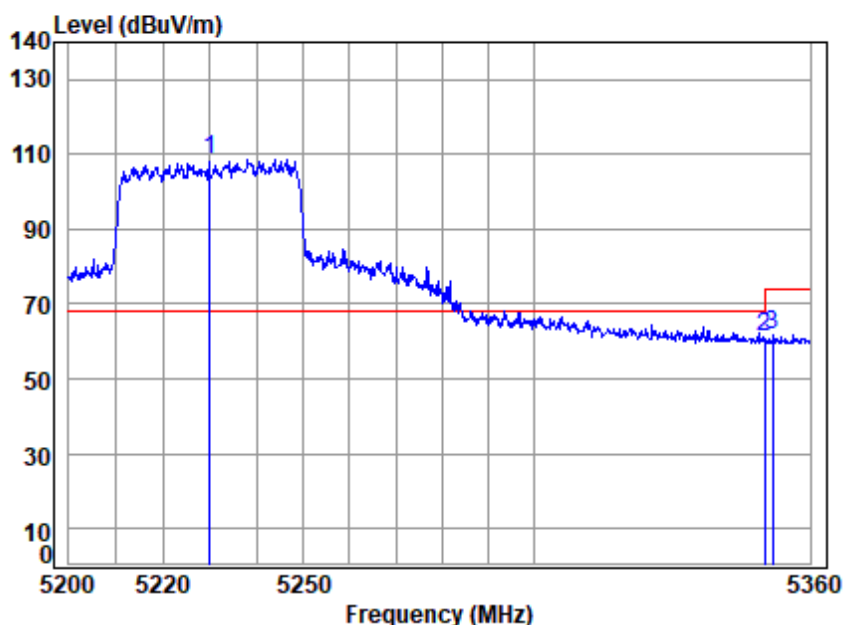
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Test Mode: 09; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:High



Site : chamber
Condition: 3m HORIZONTAL
Job No : 03614AT
Mode : 5230 Band edge
: 5G WIFI 11AX40

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 p	5230.000	18.70	34.06	31.32	86.99	108.43	68.20	40.23	peak
2	5350.020	19.03	34.40	31.39	38.93	60.97	74.00	-13.03	peak
3	5351.884	19.03	34.41	31.39	39.65	61.70	74.00	-12.30	peak



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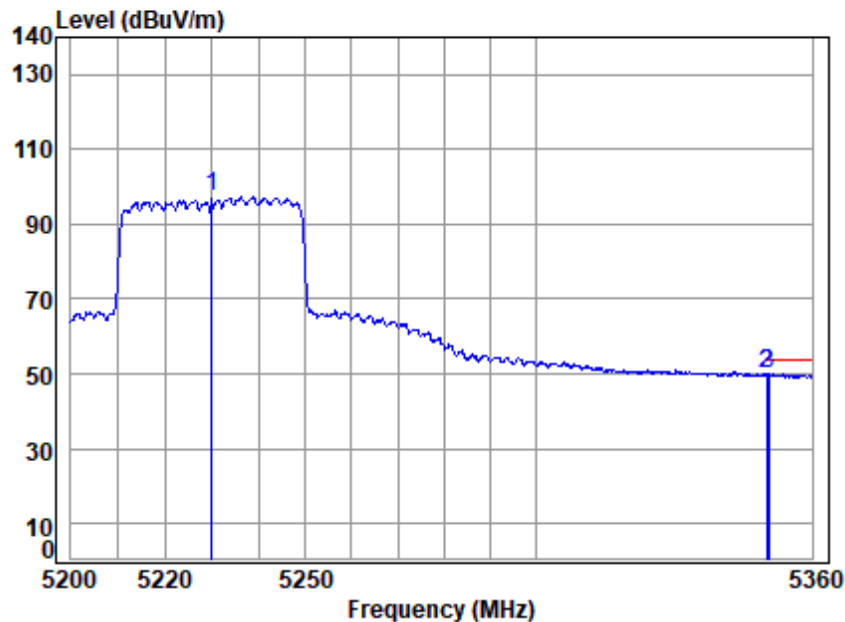
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Report No.: SZCR250800361405

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Test Mode: 09; Polarity: Horizontal; Modulation: 802.11ax(Full RU0); Bandwidth: 40MHz; Channel: High



Site : chamber
Condition: 3m HORIZONTAL
Job No : 03614AT
Mode : 5230 Band edge
: 5G WIFI 11AX40

		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5230.000	18.70	34.06	31.32	75.92	97.36	-----	----- Average
2	5350.020	19.03	34.40	31.39	27.79	49.83	54.00	-4.17 Average
3 q	5350.587	19.03	34.40	31.39	28.23	50.27	54.00	-3.73 Average



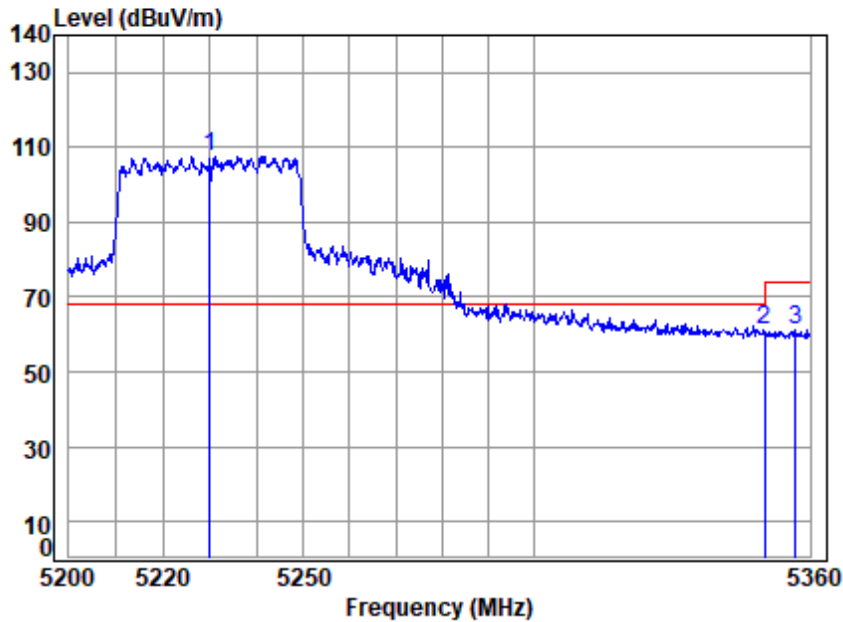
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Test Mode: 09; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:High



Site : chamber
Condition: 3m VERTICAL
Job No : 03614AT
Mode : 5230 Band edge
: 5G WIFI 11AX40

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 p	5230.000	18.70	34.06	31.32	86.32	107.76	68.20	39.56	Peak
2	5350.020	19.03	34.40	31.39	39.11	61.15	74.00	-12.85	Peak
3	5356.915	19.05	34.43	31.39	39.35	61.44	74.00	-12.56	Peak



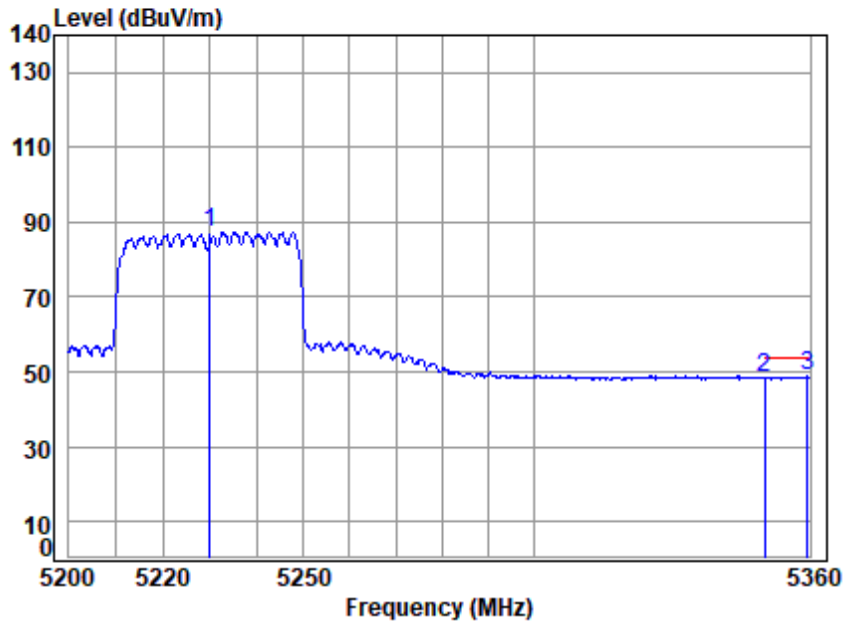
SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250800361405

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Test Mode: 09; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:High



Site : chamber
 Condition: 3m VERTICAL
 Job No : 03614AT
 Mode : 5230 Band edge
 : 5G WIFI 11AX40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5230.000	18.70	34.06	31.32	65.97	87.41	-----	-----	Average
2	5350.020	19.03	34.40	31.39	26.37	48.41	54.00	-5.59	Average
3 q	5359.513	19.05	34.44	31.39	26.62	48.72	54.00	-5.28	Average



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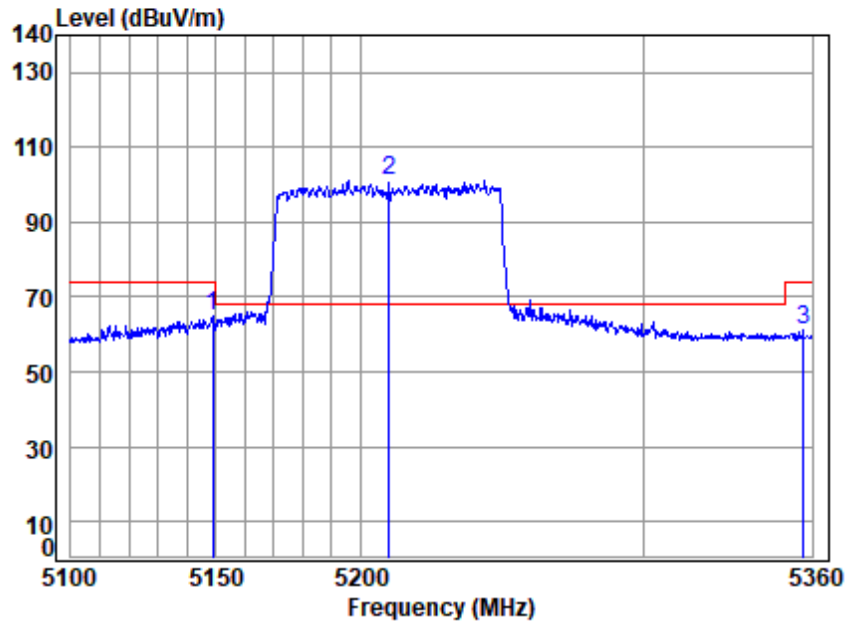
SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250800361405

Page: 64 of 272

Test Mode: 09; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:80MHz; Channel:middle



Site : chamber
Condition: 3m HORIZONTAL
Job No : 03614AT
Mode : 5210 Band edge
: 5G WIFI 11AX80

		Cable	Ant	Preamp	Read		Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5148.667	18.47	33.90	31.28	43.62	64.71	74.00	-9.29	peak
2 p	5210.000	18.64	34.02	31.31	79.58	100.93	68.20	32.73	peak
3	5356.803	19.05	34.43	31.39	38.97	61.06	74.00	-12.94	peak



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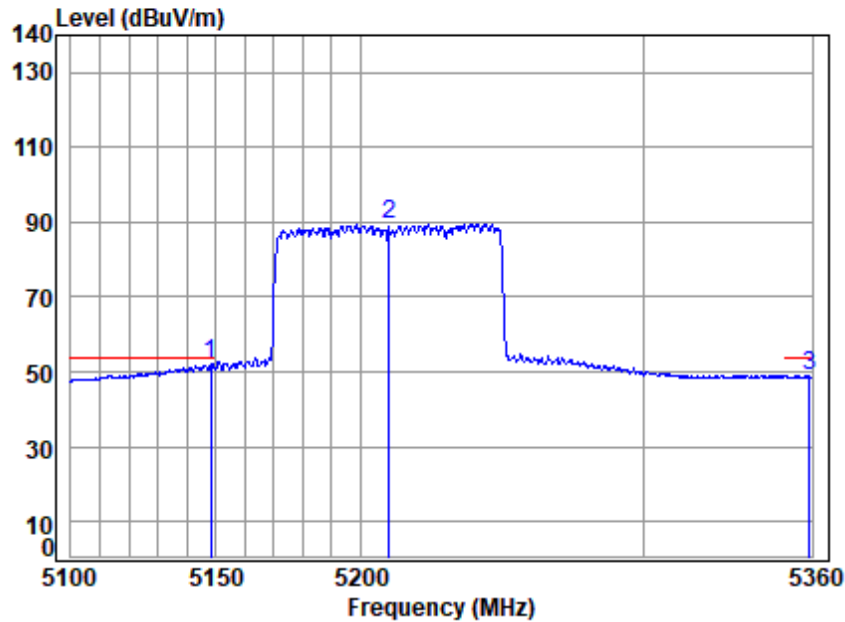
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SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250800361405

Page: 65 of 272

Test Mode: 09; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:80MHz; Channel:middle



Site : chamber
Condition: 3m HORIZONTAL
Job No : 03614AT
Mode : 5210 Band edge
: 5G WIFI 11AX80

		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 q	5148.154	18.47	33.90	31.28	31.23	52.32	54.00	-1.68 Average
2	5210.000	18.64	34.02	31.31	68.31	89.66	-----	----- Average
3	5359.201	19.05	34.44	31.39	26.86	48.96	54.00	-5.04 Average



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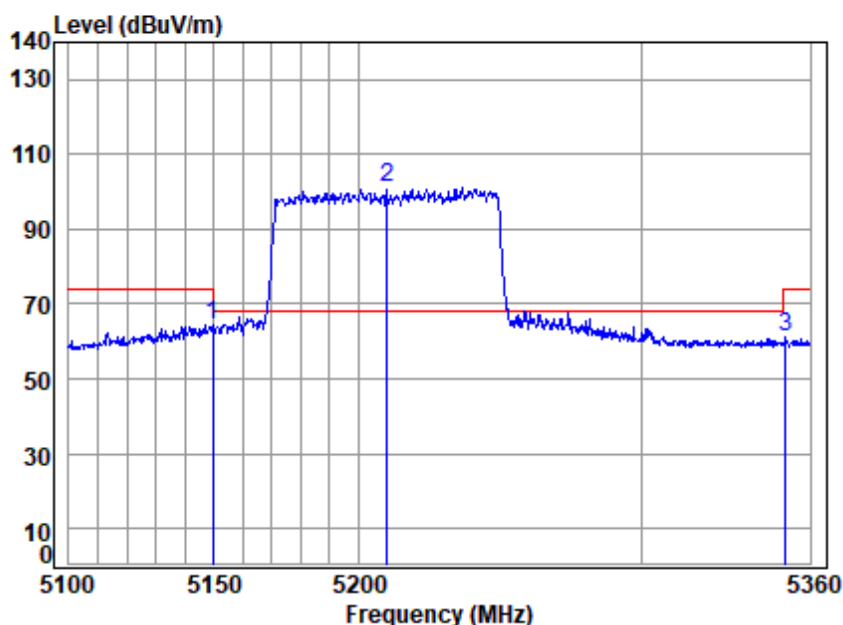
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SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250800361405

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Test Mode: 09; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:80MHz; Channel:middle



Site : chamber
Condition: 3m VERTICAL
Job No : 03614AT
Mode : 5210 Band edge
: 5G WIFI 11AX80

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5149.435	18.47	33.90	31.28	43.47	64.56	74.00	-9.44	Peak
2 p	5210.000	18.64	34.02	31.31	79.72	101.07	68.20	32.87	Peak
3	5351.212	19.03	34.40	31.39	39.01	61.05	74.00	-12.95	Peak



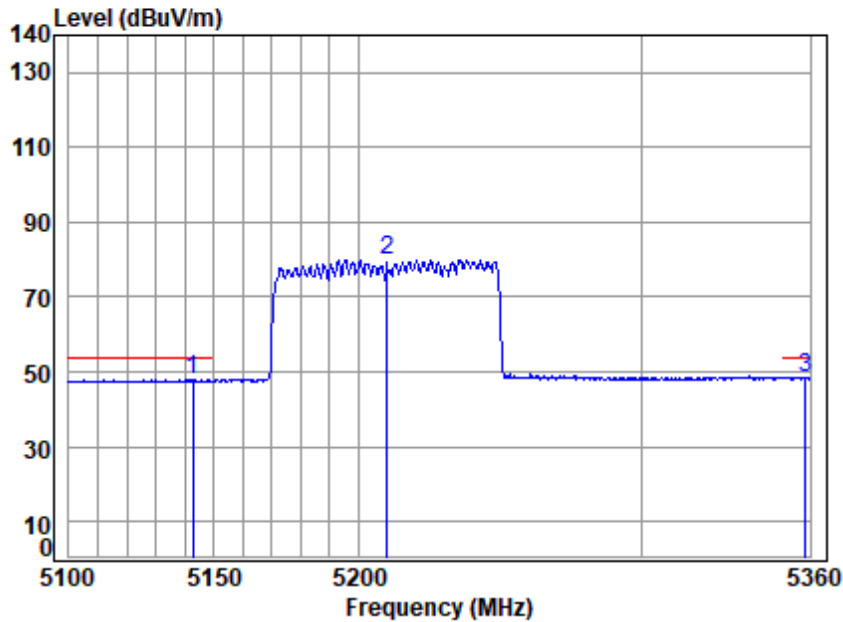
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Test Mode: 09; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:80MHz; Channel:middle

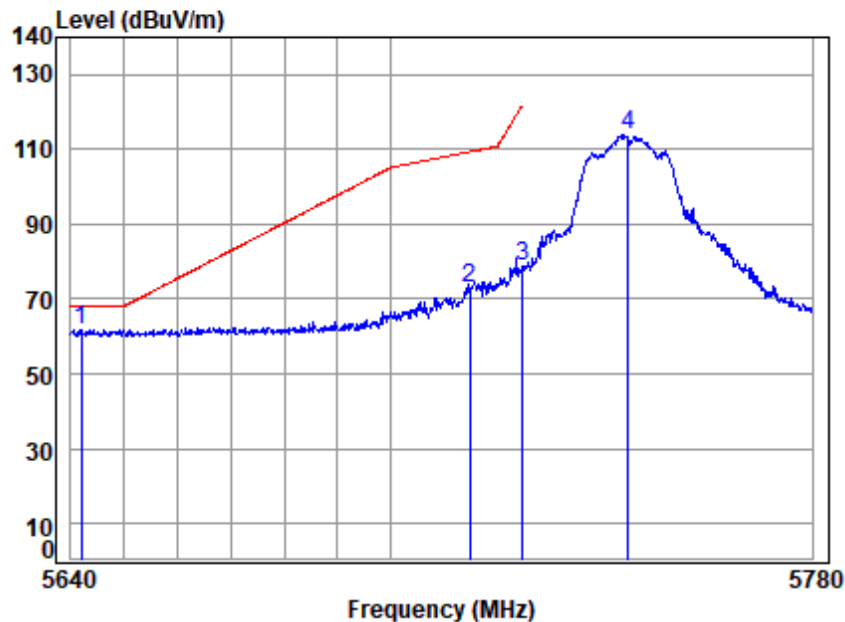


Site : chamber
Condition: 3m VERTICAL
Job No : 03614AT
Mode : 5210 Band edge
: 5G WIFI 11AX80

		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5142.781	18.45	33.91	31.28	26.86	47.94	54.00	-6.06 Average
2	5210.000	18.64	34.02	31.31	58.62	79.97	-----	----- Average
3 q	5358.401	19.05	34.43	31.39	26.45	48.54	54.00	-5.46 Average



Test Mode: 10; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low

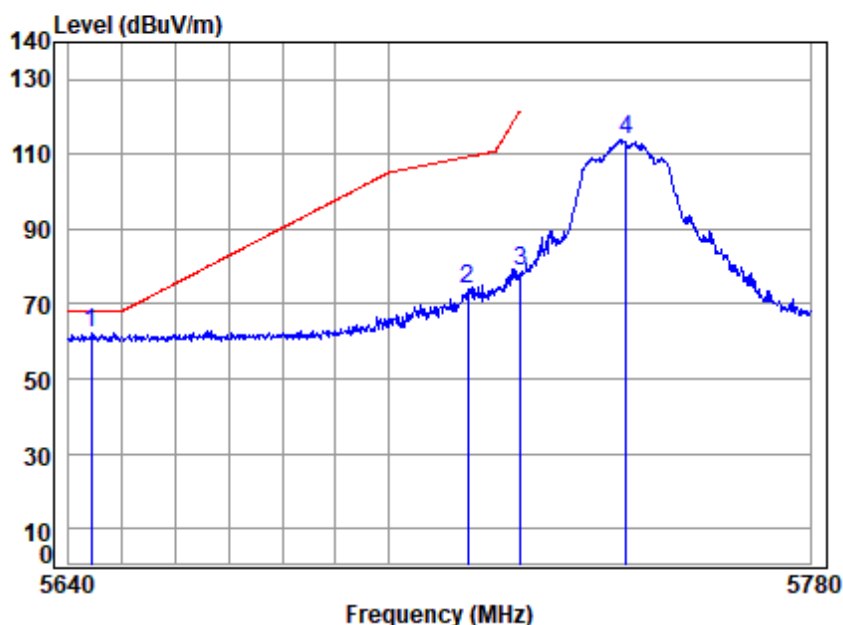


Site : chamber
Condition: 3m HORIZONTAL
Job No : 03614AT
Mode : 5745 Band edge
: 5G WIFI 11A

		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	5641.937	19.68	34.45	31.53	39.40	62.00	68.20	-6.20 peak
2	5715.000	19.81	34.27	31.57	50.50	73.01	109.40	-36.39 peak
3	5725.000	19.83	34.25	31.57	56.38	78.89	122.20	-43.31 peak
4	5745.000	19.87	34.21	31.58	91.28	113.78	-----	----- peak



Test Mode: 10; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low

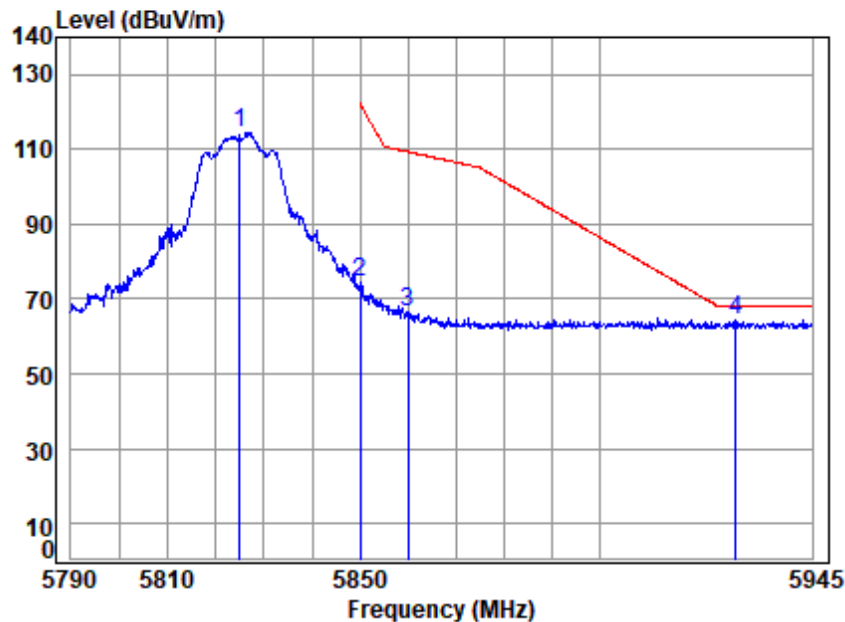


Site : chamber
Condition: 3m VERTICAL
Job No : 03614AT
Mode : 5745 Band edge
: 5G WIFI 11A

		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	5644.289	19.69	34.43	31.53	39.70	62.29	68.20	-5.91 peak
2	5715.000	19.81	34.27	31.57	51.24	73.75	109.40	-35.65 peak
3	5725.000	19.83	34.25	31.57	56.43	78.94	122.20	-43.26 peak
4	5745.000	19.87	34.21	31.58	91.45	113.95	-----	----- peak



Test Mode: 10; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:High

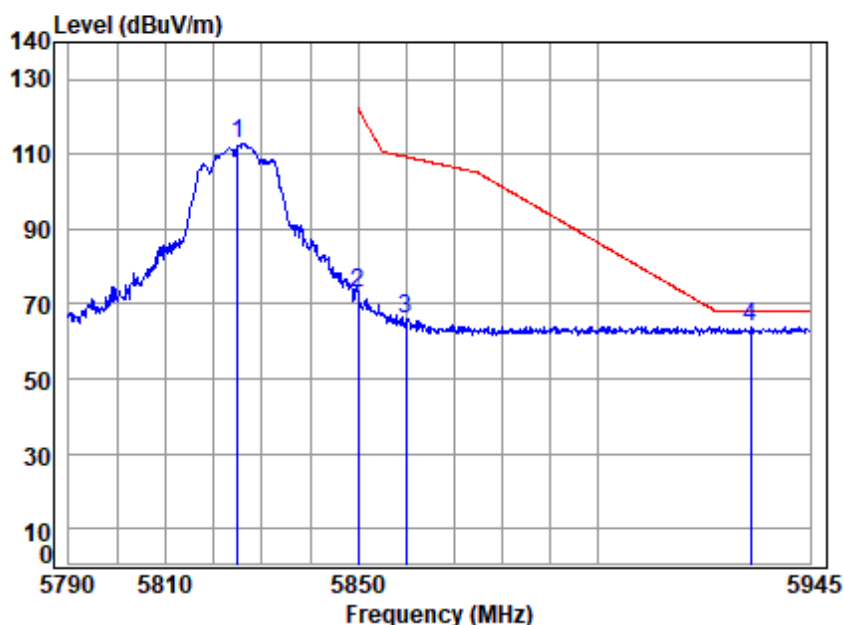


Site : chamber
Condition: 3m HORIZONTAL
Job No : 03614AT
Mode : 5825 Band edge
: 5G WIFI 11A

	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	5825.000	20.00	34.35	31.62	91.96	114.69	-----	-----	peak
2	5850.000	20.05	34.40	31.63	51.91	74.73	122.20	-47.47	peak
3	5860.000	20.06	34.44	31.64	43.66	66.52	109.40	-42.88	peak
4 p	5928.845	20.18	34.66	31.67	41.26	64.43	68.20	-3.77	peak



Test Mode: 10; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:High

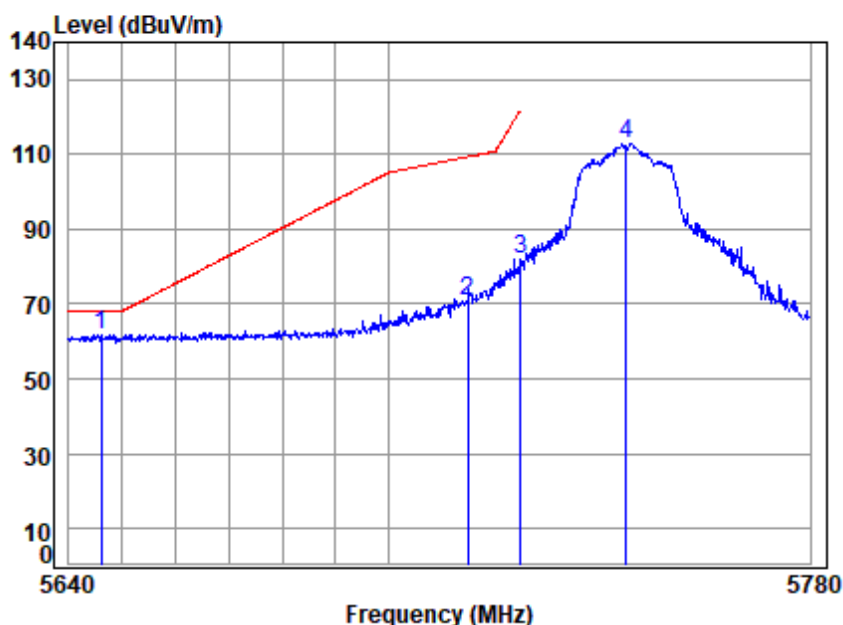


Site : chamber
Condition: 3m VERTICAL
Job No : 03614AT
Mode : 5825 Band edge
: 5G WIFI 11A

		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	20.00	34.35	31.62	90.08	112.81	-----	peak
2	5850.000	20.05	34.40	31.63	49.94	72.76	122.20	-49.44 peak
3	5860.000	20.06	34.44	31.64	43.07	65.93	109.40	-43.47 peak
4 p	5932.449	20.19	34.66	31.67	40.80	63.98	68.20	-4.22 peak



Test Mode: 10; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:Low

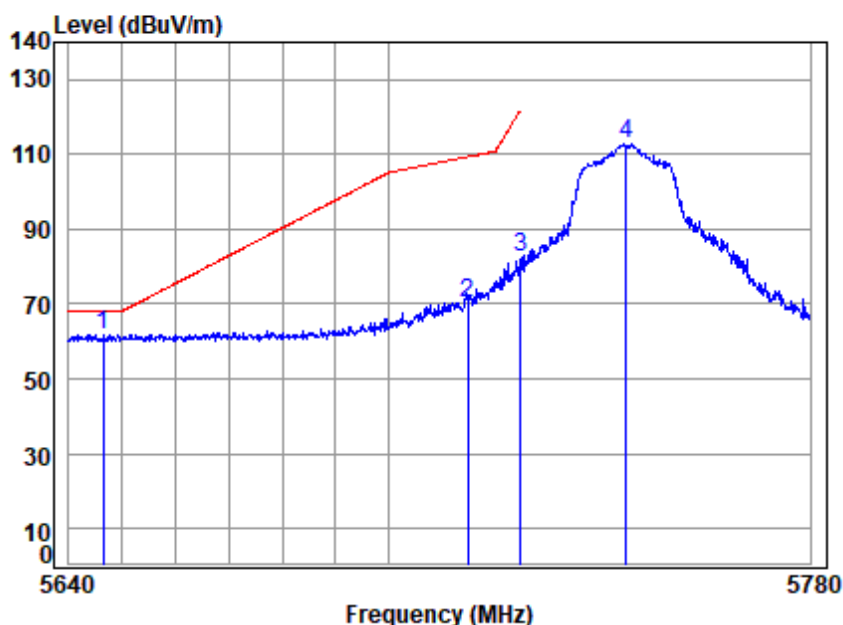


Site : chamber
Condition: 3m HORIZONTAL
Job No : 03614AT
Mode : 5745 Band edge
: 5G WIFI 11N20

		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	5646.088	19.69	34.42	31.53	39.41	61.99	68.20	-6.21 peak
2	5715.000	19.81	34.27	31.57	48.40	70.91	109.40	-38.49 peak
3	5725.000	19.83	34.25	31.57	59.57	82.08	122.20	-40.12 peak
4	5745.000	19.87	34.21	31.58	90.62	113.12	-----	----- peak



Test Mode: 10; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:Low

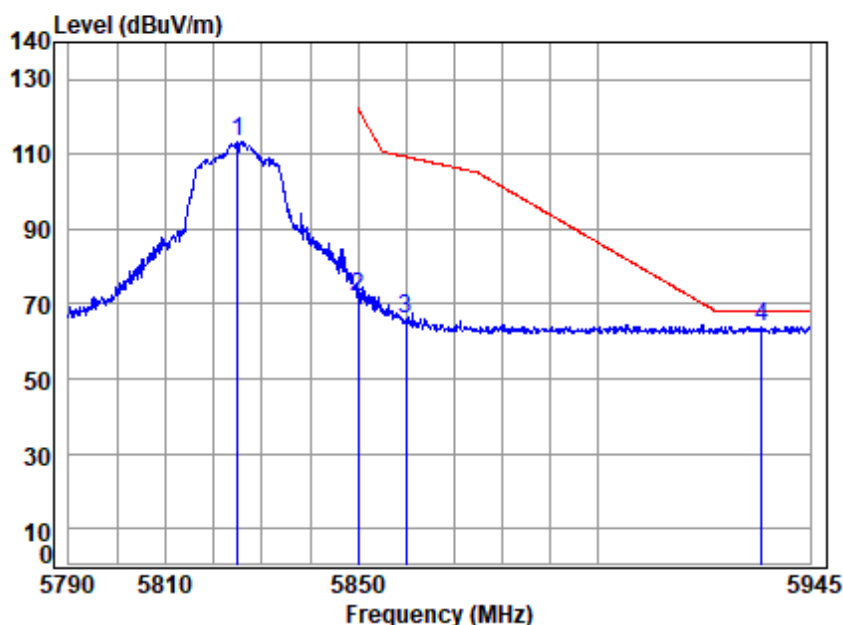


Site : chamber
 Condition: 3m VERTICAL
 Job No : 03614AT
 Mode : 5745 Band edge
 : 5G WIFI 11N20

		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 p	5646.503	19.69	34.42	31.53	39.37	61.95	68.20	-6.25 peak
2	5715.000	19.81	34.27	31.57	47.67	70.18	109.40	-39.22 peak
3	5725.000	19.83	34.25	31.57	60.04	82.55	122.20	-39.65 peak
4	5745.000	19.87	34.21	31.58	90.27	112.77	-----	----- peak



Test Mode: 10; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:High

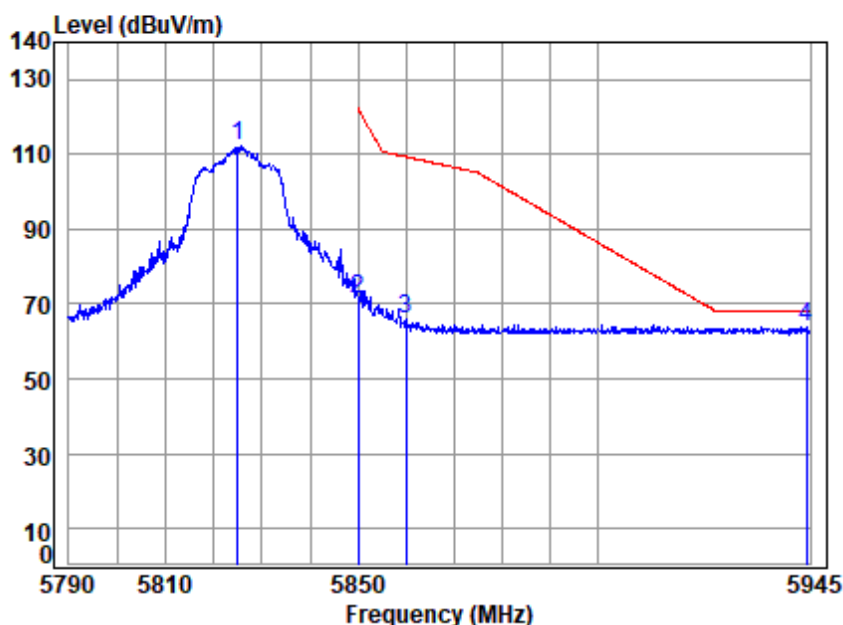


Site : chamber
Condition: 3m HORIZONTAL
Job No : 03614AT
Mode : 5825 Band edge
: 5G WIFI 11N20

	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	20.00	34.35	31.62	90.84	113.57	-----	-----	peak
2	5850.000	20.05	34.40	31.63	49.30	72.12	122.20	-50.08	peak
3	5860.000	20.06	34.44	31.64	43.35	66.21	109.40	-43.19	peak
4 p	5934.800	20.19	34.67	31.67	40.91	64.10	68.20	-4.10	peak



Test Mode: 10; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:High

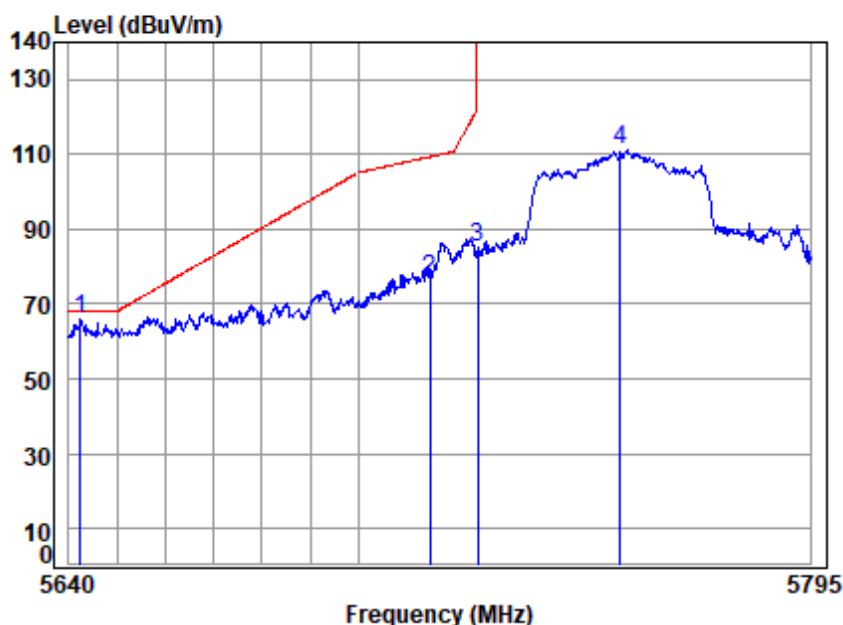


Site : chamber
Condition: 3m VERTICAL
Job No : 03614AT
Mode : 5825 Band edge
: 5G WIFI 11N20

		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	20.00	34.35	31.62	89.39	112.12	-----	-----	peak
2 5850.000	20.05	34.40	31.63	48.26	71.08	122.20	-51.12	peak
3 5860.000	20.06	34.44	31.64	43.34	66.20	109.40	-43.20	peak
4 p 5944.215	20.21	34.69	31.67	40.70	63.93	68.20	-4.27	peak



Test Mode: 10; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:Low

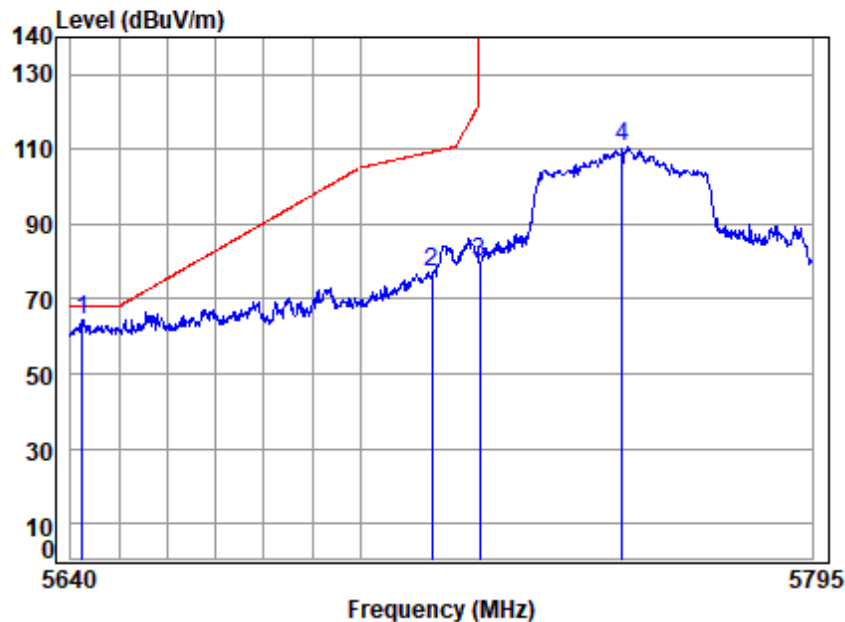


Site : chamber
Condition: 3m HORIZONTAL
Job No : 03614AT
Mode : 5755 Band edge
: 5G WIFI 11N40

		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	5642.447	19.69	34.45	31.53	43.49	66.10	68.20	-2.10 peak
2	5715.000	19.81	34.27	31.57	54.14	76.65	109.40	-32.75 peak
3	5725.000	19.83	34.25	31.57	62.53	85.04	122.20	-37.16 peak
4	5755.000	19.88	34.21	31.59	88.72	111.22	-----	----- peak



Test Mode: 10; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:Low

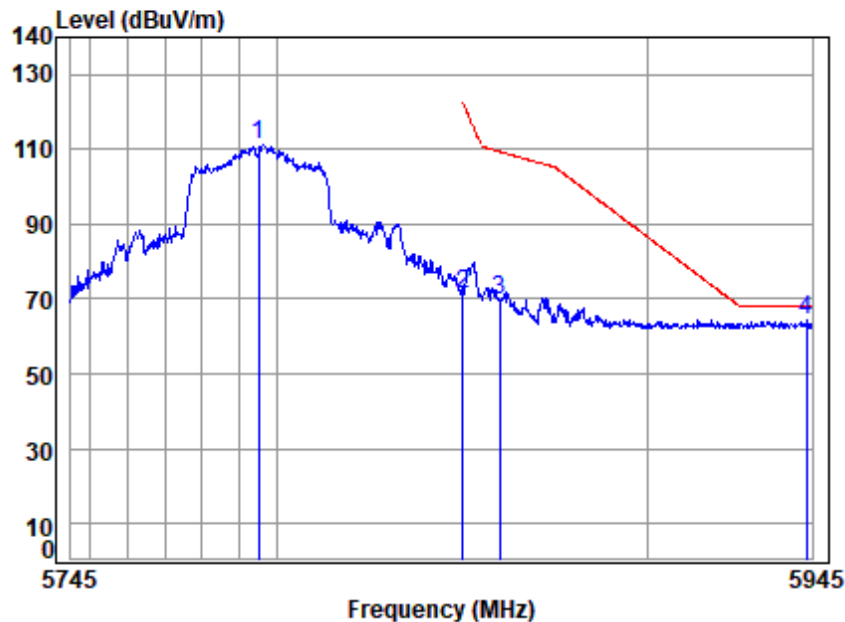


Site : chamber
Condition: 3m VERTICAL
Job No : 03614AT
Mode : 5755 Band edge
: 5G WIFI 11N40

		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	5642.294	19.69	34.45	31.53	42.03	64.64	68.20	-3.56 peak
2	5715.000	19.81	34.27	31.57	54.61	77.12	109.40	-32.28 peak
3	5725.000	19.83	34.25	31.57	57.56	80.07	122.20	-42.13 peak
4	5755.000	19.88	34.21	31.59	88.12	110.62	-----	----- peak



Test Mode: 10; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:High

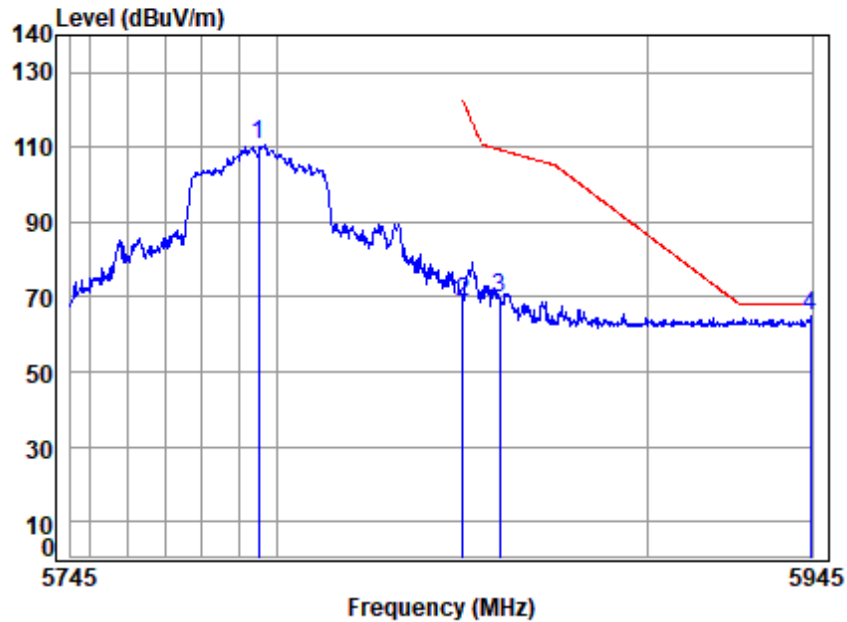


Site : chamber
Condition: 3m HORIZONTAL
Job No : 03614AT
Mode : 5795 Band edge
: 5G WIFI 11N40

		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	19.95	34.29	31.60	88.56	111.20	-----	-----	peak
2 5850.000	20.05	34.40	31.63	48.33	71.15	122.20	-51.05	peak
3 5860.000	20.06	34.44	31.64	47.00	69.86	109.40	-39.54	peak
4 p 5943.373	20.21	34.69	31.67	41.30	64.53	68.20	-3.67	peak



Test Mode: 10; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:High

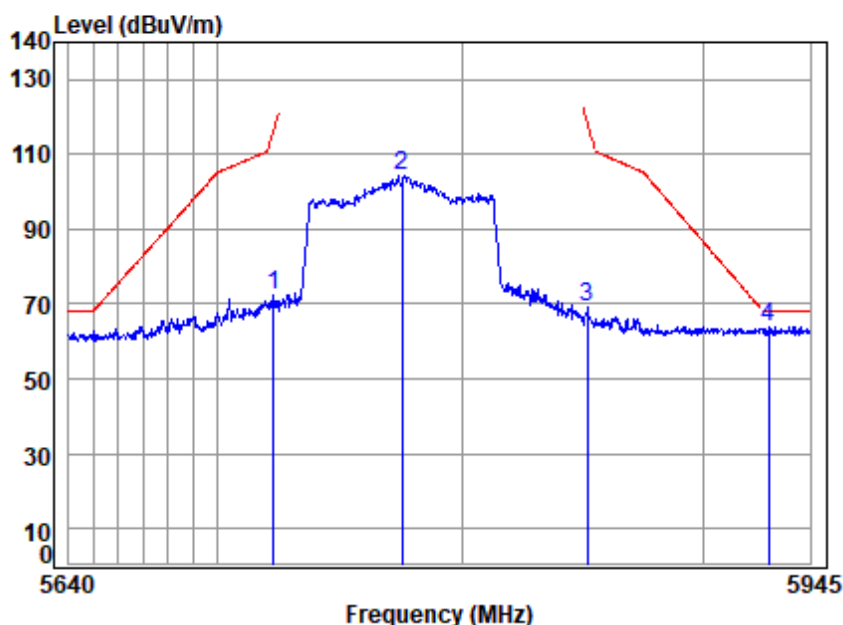


Site : chamber
Condition: 3m VERTICAL
Job No : 03614AT
Mode : 5795 Band edge
: 5G WIFI 11N40

		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	19.95	34.29	31.60	88.23	110.87	-----	-----	peak
2 5850.000	20.05	34.40	31.63	45.87	68.69	122.20	-53.51	peak
3 5860.000	20.06	34.44	31.64	46.79	69.65	109.40	-39.75	peak
4 p 5944.593	20.21	34.69	31.67	41.53	64.76	68.20	-3.44	peak



Test Mode: 10; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:80MHz; Channel:middle

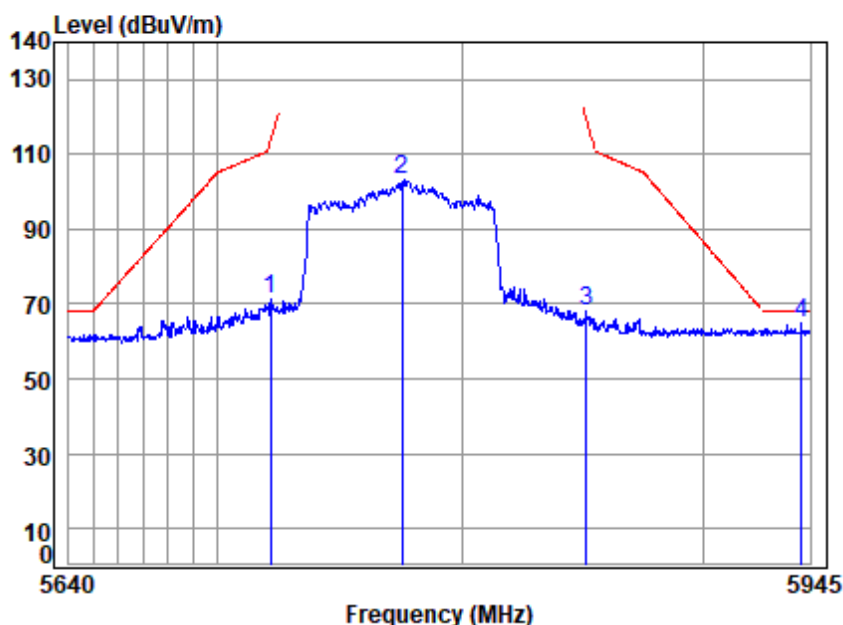


Site : chamber
Condition: 3m HORIZONTAL
Job No : 03614AT
Mode : 5775 Band edge
: 5G WIFI 11AC80

		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	5722.582	19.83	34.25	31.57	49.71	72.22	116.69	-44.47 peak
2	5775.000	19.92	34.25	31.60	81.87	104.44	-----	----- peak
3	5851.808	20.05	34.41	31.63	46.21	69.04	118.08	-49.04 peak
4 p	5927.492	20.18	34.65	31.67	40.88	64.04	68.20	-4.16 peak



Test Mode: 10; Polarity: Vertical; Modulation:802.11ac; Bandwidth:80MHz; Channel:middle



Site : chamber
Condition: 3m VERTICAL
Job No : 03614AT
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	5721.376	19.82	34.26	31.57	48.64	71.15	113.94	-42.79 peak
2	5775.000	19.92	34.25	31.60	80.52	103.09	-----	----- peak
3	5851.191	20.05	34.40	31.63	45.12	67.94	119.48	-51.54 peak
4 p	5941.244	20.20	34.68	31.67	41.84	65.05	68.20	-3.15 peak



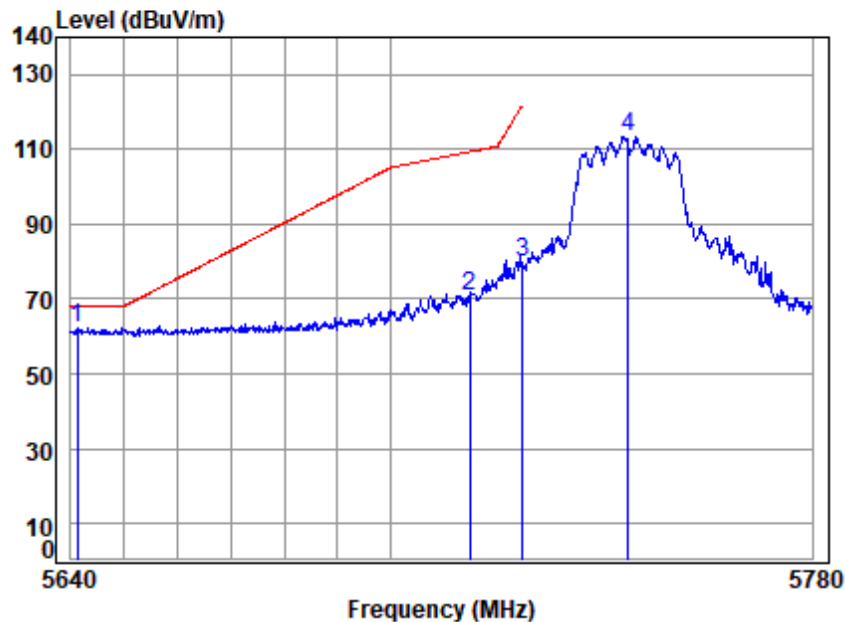
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Test Mode: 10; Polarity: Horizontal; Modulation: 802.11ax(Full RU0); Bandwidth: 20MHz; Channel: Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 03614AT
Mode : 5745 Band edge
: 5G WIFI 11AX20

		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 p	5641.245	19.68	34.45	31.53	39.74	62.34	68.20	-5.86 peak
2	5715.000	19.81	34.27	31.57	48.38	70.89	109.40	-38.51 peak
3	5725.000	19.83	34.25	31.57	57.28	79.79	122.20	-42.41 peak
4	5745.000	19.87	34.21	31.58	91.00	113.50	-----	----- peak



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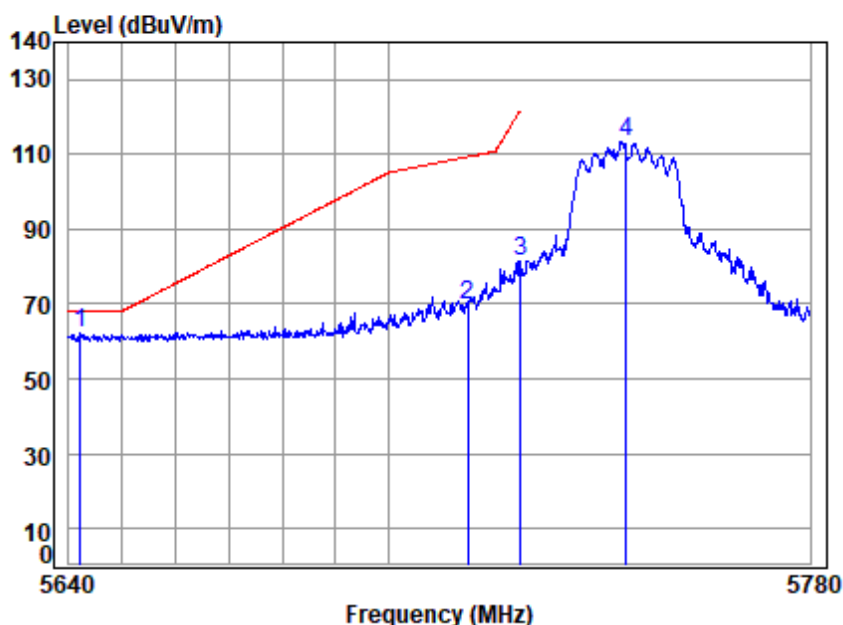
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SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250800361405

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Test Mode: 10; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:Low



Site : chamber
Condition: 3m VERTICAL
Job No : 03614AT
Mode : 5745 Band edge
: 5G WIFI 11AX20

		Cable	Ant	Preamp	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	5642.075	19.69	34.45	31.53	39.73	62.34	68.20	-5.86 peak
2	5715.000	19.81	34.27	31.57	47.28	69.79	109.40	-39.61 peak
3	5725.000	19.83	34.25	31.57	58.79	81.30	122.20	-40.90 peak
4	5745.000	19.87	34.21	31.58	91.13	113.63	-----	----- peak



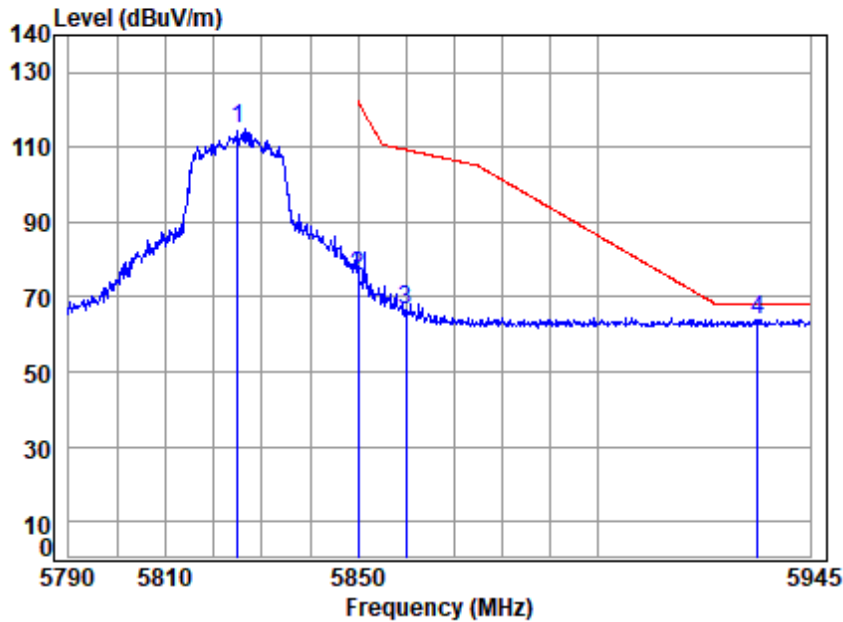
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Test Mode: 10; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:High



Site : chamber
Condition: 3m HORIZONTAL
Job No : 03614AT
Mode : 5825 Band edge
: 5G WIFI 11AX20

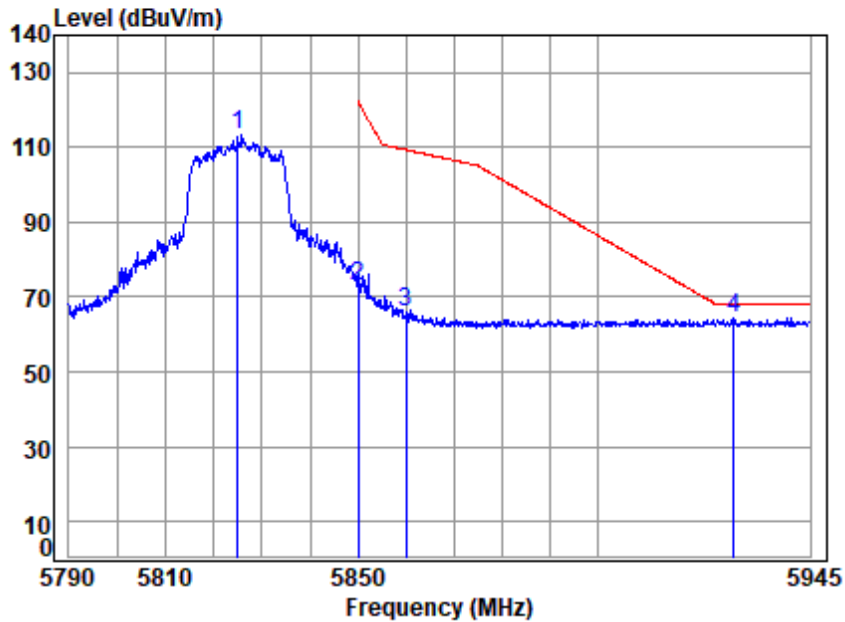
		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5825.000	20.00	34.35	31.62	92.13	114.86	-----	----- peak
2	5850.000	20.05	34.40	31.63	52.94	75.76	122.20	-46.44 peak
3	5860.000	20.06	34.44	31.64	43.56	66.42	109.40	-42.98 peak
4 p	5933.859	20.19	34.67	31.67	40.90	64.09	68.20	-4.11 peak



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Test Mode: 10; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:High

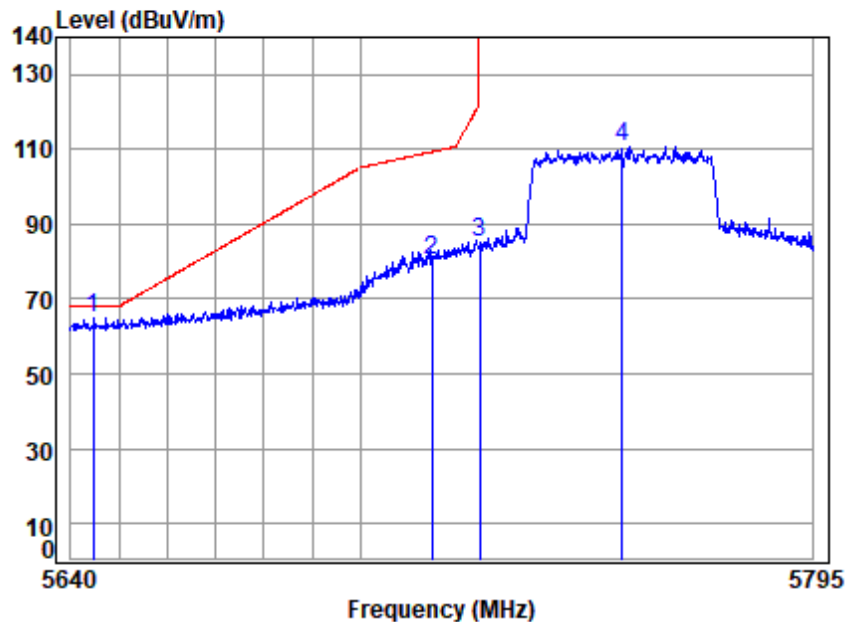


Site : chamber
Condition: 3m VERTICAL
Job No : 03614AT
Mode : 5825 Band edge
: 5G WIFI 11AX20

		Cable	Ant	Preamp	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	20.00	34.35	31.62	90.67	113.40	-----	----- peak
2	5850.000	20.05	34.40	31.63	50.21	73.03	122.20	-49.17 peak
3	5860.000	20.06	34.44	31.64	43.40	66.26	109.40	-43.14 peak
4 p	5928.845	20.18	34.66	31.67	41.26	64.43	68.20	-3.77 peak



Test Mode: 10; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:Low

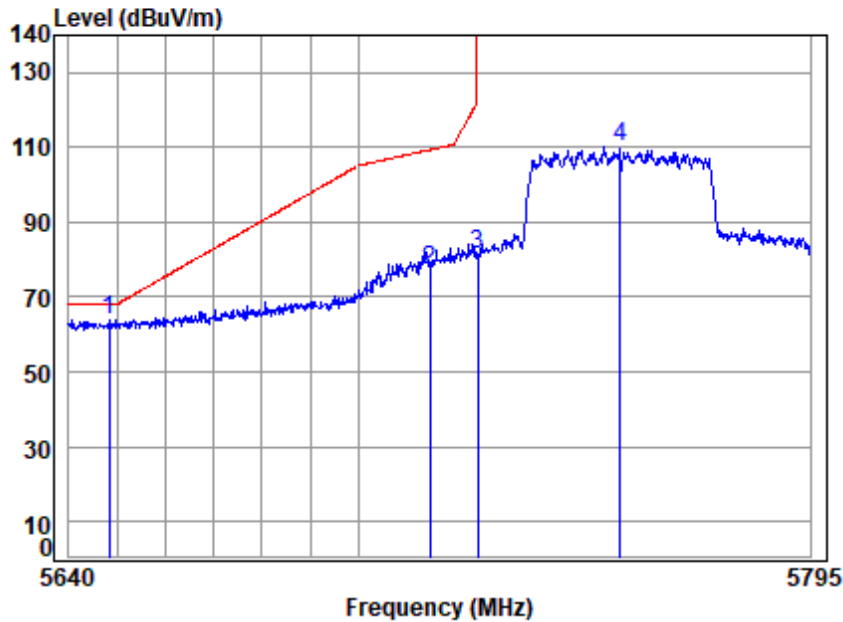


Site : chamber
Condition: 3m HORIZONTAL
Job No : 03614AT
Mode : 5755 Band edge
: 5G WIFI 11AX40

		Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 p 5644.742	19.69	34.43	31.53	42.21	64.80	68.20	-3.40	peak
2 5715.000	19.81	34.27	31.57	57.67	80.18	109.40	-29.22	peak
3 5725.000	19.83	34.25	31.57	62.70	85.21	122.20	-36.99	peak
4 5755.000	19.88	34.21	31.59	88.48	110.98	-----	-----	peak



Test Mode: 10; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:Low

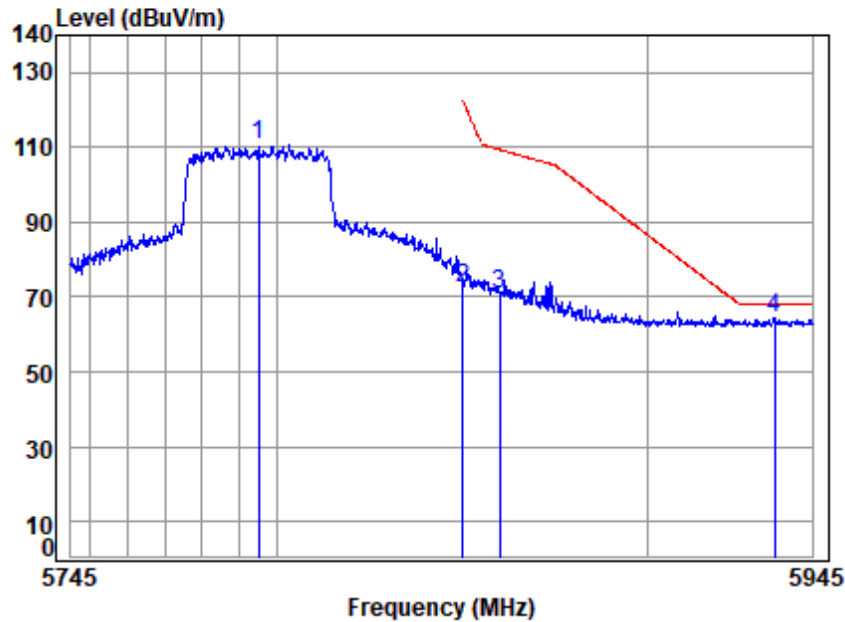


Site : chamber
Condition: 3m VERTICAL
Job No : 03614AT
Mode : 5755 Band edge
: 5G WIFI 11AX40

		Cable	Ant	Preamp	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	5648.263	19.70	34.41	31.53	41.20	63.78	68.20	-4.42 peak
2	5715.000	19.81	34.27	31.57	54.56	77.07	109.40	-32.33 peak
3	5725.000	19.83	34.25	31.57	59.13	81.64	122.20	-40.56 peak
4	5755.000	19.88	34.21	31.59	87.68	110.18	-----	----- peak



Test Mode: 10; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:High

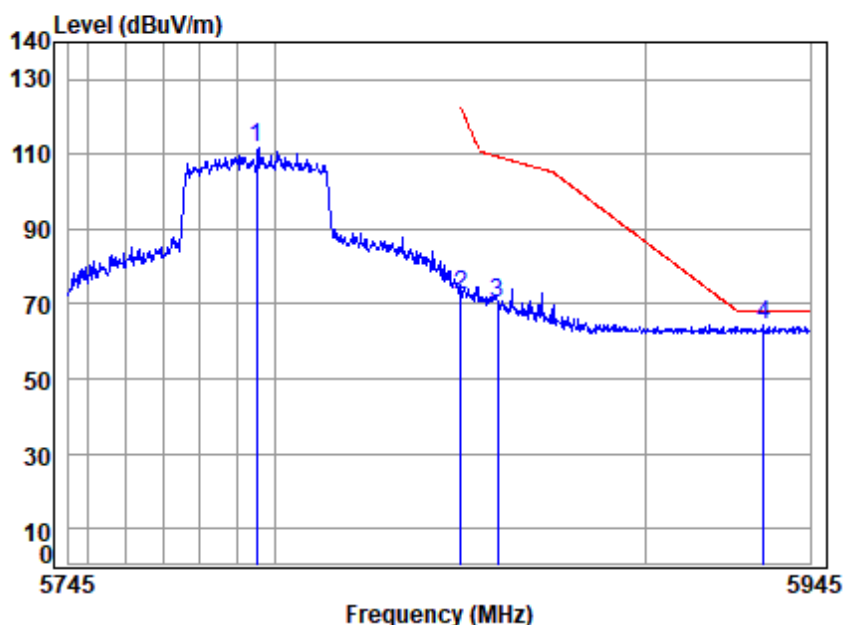


Site : chamber
Condition: 3m HORIZONTAL
Job No : 03614AT
Mode : 5795 Band edge
: 5G WIFI 11AX40

		Cable	Ant	Preamp	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	19.95	34.29	31.60	88.15	110.79	-----	peak
2	5850.000	20.05	34.40	31.63	49.35	72.17	122.20	-50.03 peak
3	5860.000	20.06	34.44	31.64	48.13	70.99	109.40	-38.41 peak
4 p	5934.633	20.19	34.67	31.67	41.40	64.59	68.20	-3.61 peak



Test Mode: 10; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:High

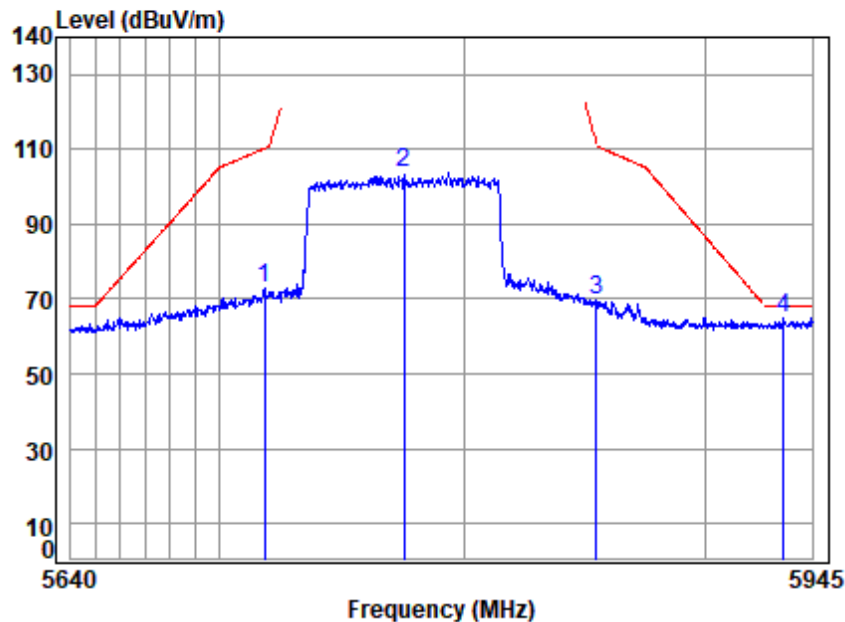


Site : chamber
Condition: 3m VERTICAL
Job No : 03614AT
Mode : 5795 Band edge
: 5G WIFI 11AX40

		Cable	Ant	Preamp	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	19.95	34.29	31.60	89.09	111.73	-----	----- peak
2	5850.000	20.05	34.40	31.63	49.35	72.17	122.20	-50.03 peak
3	5860.000	20.06	34.44	31.64	47.35	70.21	109.40	-39.19 peak
4 p	5932.400	20.19	34.66	31.67	41.47	64.65	68.20	-3.55 peak



Test Mode: 10; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:80MHz; Channel:middle

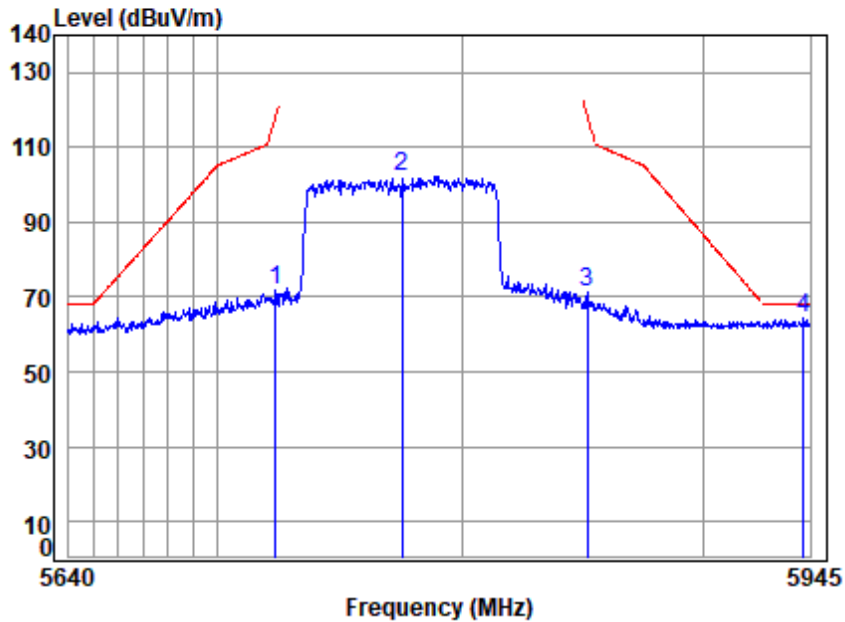


Site : chamber
Condition: 3m HORIZONTAL
Job No : 03614AT
Mode : 5775 Band edge
: 5G WIFI 11AX80

		Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5718.364	19.82	34.26	31.57	50.37	72.88	110.34	-37.46 peak
2	5775.000	19.92	34.25	31.60	81.20	103.77	-----	----- peak
3	5854.582	20.05	34.42	31.63	47.09	69.93	111.75	-41.82 peak
4 p	5933.114	20.19	34.67	31.67	41.71	64.90	68.20	-3.30 peak



Test Mode: 10; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:80MHz; Channel:middle



Site : chamber
Condition: 3m VERTICAL
Job No : 03614AT
Mode : 5775 Band edge
: 5G WIFI 11AX80

		Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5723.486	19.83	34.25	31.57	49.43	71.94	118.75	-46.81 peak
2	5775.000	19.92	34.25	31.60	79.65	102.22	-----	----- peak
3	5851.500	20.05	34.41	31.63	48.30	71.13	118.78	-47.65 peak
4 p	5942.183	20.20	34.68	31.67	40.94	64.15	68.20	-4.05 peak



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 (2020) 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: 23.4 °C

Humidity: 49.7 % RH

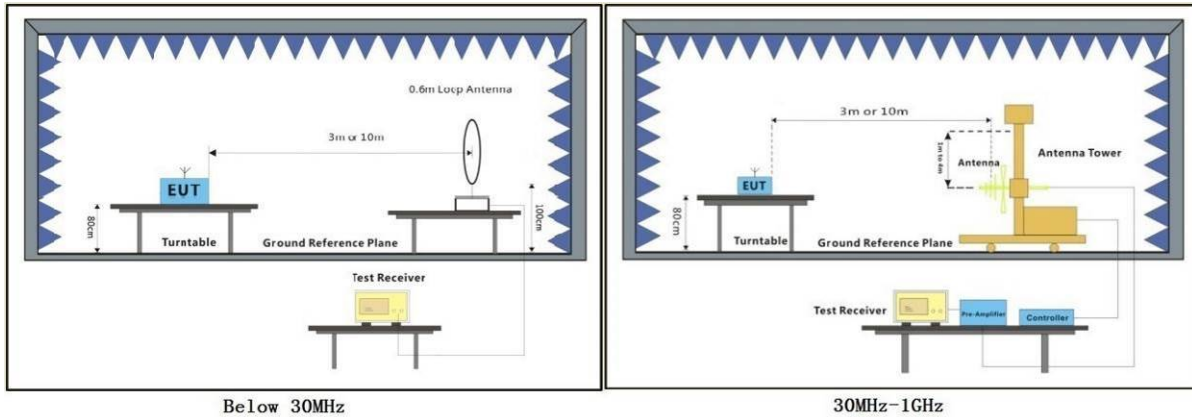
Atmospheric Pressure: 1020 mbar

7.3.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	09	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/ax 20/40/80, Only the data of worst case is recorded in the report.
Pre-scan	10	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/ax 20/40/80, Only the data of worst case is recorded in the report.



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.



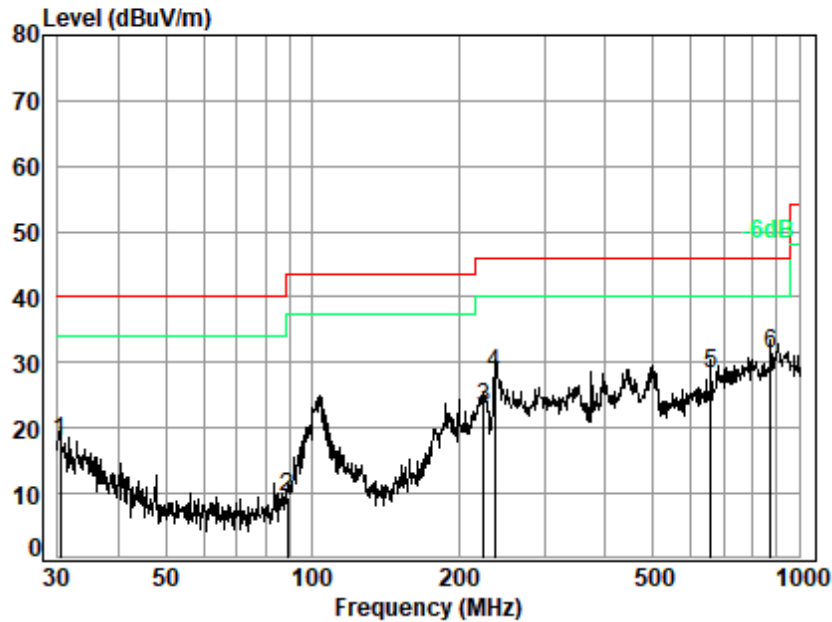
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Report No.: SZCR250800361405

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Test Mode: 09; Polarity: Horizontal



Site : chamber
Condition: 3m HORIZONTAL
Job No. : 03614AT
Test Mode: 09

	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	30.424	21.00	0.74	27.65	23.82	17.91	40.00	-22.09 QP
2	88.964	11.61	1.17	27.61	24.33	9.50	43.50	-34.00 QP
3	224.519	15.67	1.82	27.71	33.40	23.18	46.00	-22.82 QP
4	236.645	17.07	1.87	27.68	37.07	28.33	46.00	-17.67 QP
5	658.836	25.15	3.29	27.94	27.79	28.29	46.00	-17.71 QP
6 q	875.247	27.67	3.91	27.12	26.86	31.32	46.00	-14.68 QP



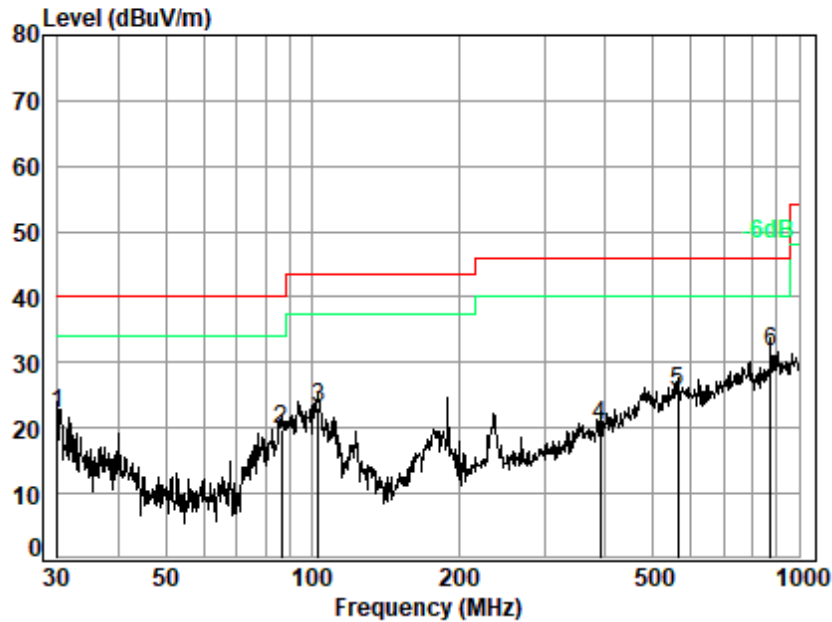
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Test Mode: 09; Polarity: Vertical



Site : chamber
Condition: 3m VERTICAL
Job No. : 03614AT
Test Mode: 09

	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	0.74	27.65	27.80	22.09	40.00	-17.91 QP
2	86.503	11.24	1.15	27.61	35.08	19.86	40.00	-20.14 QP
3	102.719	12.29	1.24	27.61	37.24	23.16	43.50	-20.34 QP
4	390.723	20.75	2.46	27.73	24.90	20.38	46.00	-25.62 QP
5	564.639	23.43	3.00	28.05	27.21	25.59	46.00	-20.41 QP
6 q	875.247	27.67	3.91	27.12	27.19	31.65	46.00	-14.35 QP



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 (2020) 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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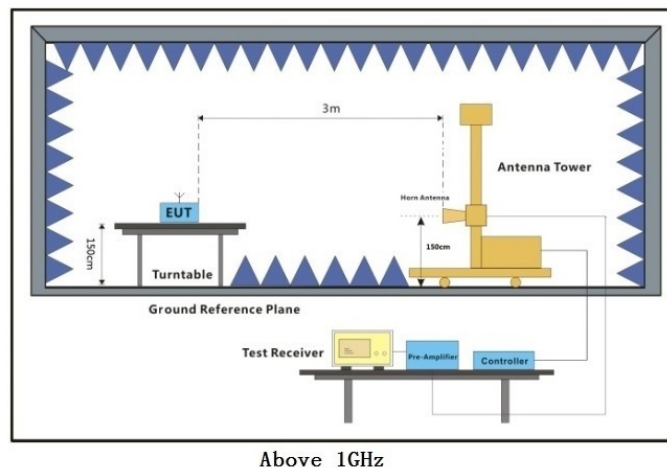
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7.4.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	09	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/ax 20/40/80, Only the data of worst case is recorded in the report.
Final test	10	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/ax 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

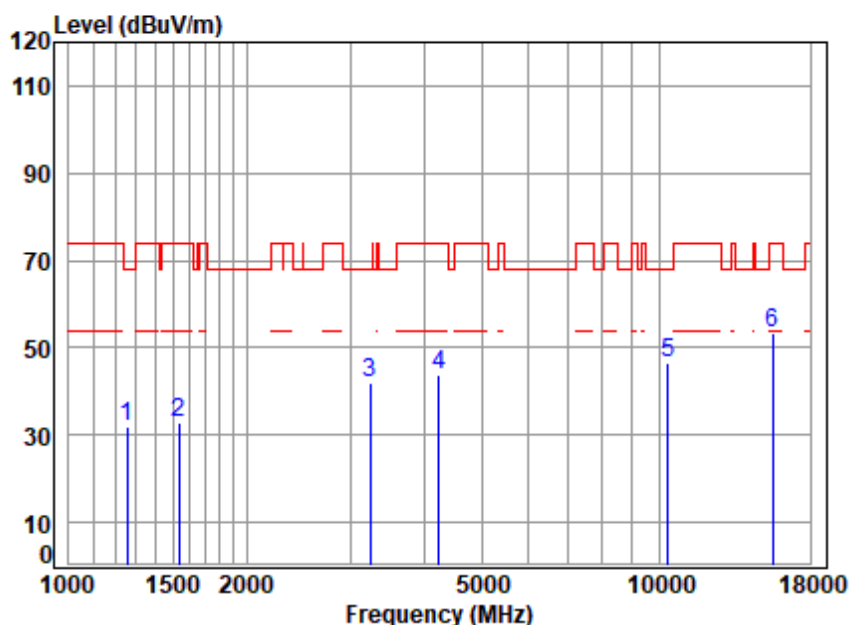
- For above 1GHz, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter fully-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- The EUT was set 3 meters away from the interference-receiving antenna, which was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

Remark:

- Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor
- 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.
- 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.
- 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.
- 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.
- 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.
- 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 $\leq 98\%$) or 10Hz (Duty cycle $\geq 98\%$) for Average detection (AV) at frequency above 1GHz.



Test Mode: 09; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low

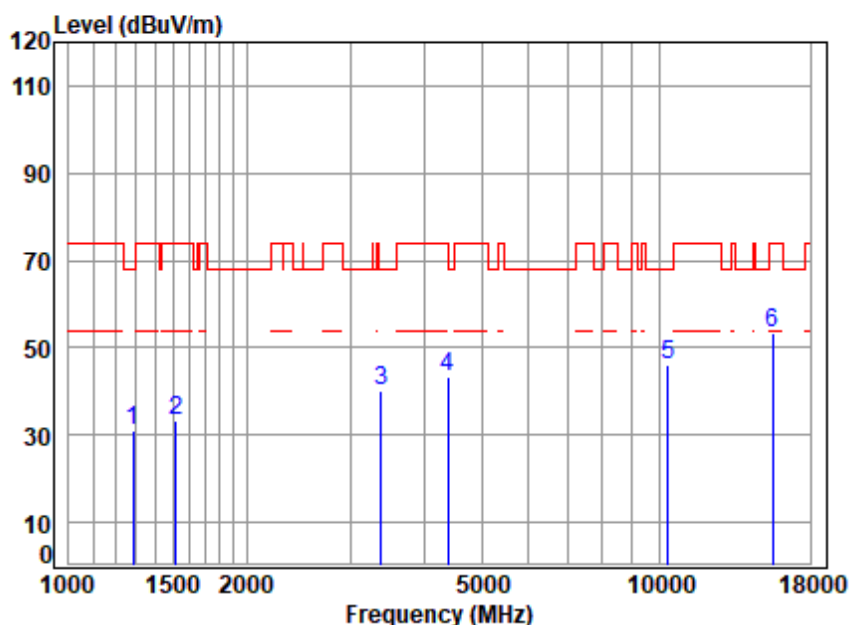


Site : chamber
Condition: 3m HORIZONTAL
Job No : 03614AT
Mode : 5180 TX RSE
Note : 5G WIFI 11A

	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	1256.512	4.48	25.06	54.70	57.31	32.15	68.20	-36.05	peak
2	1533.841	4.57	26.94	54.79	56.18	32.90	74.00	-41.10	peak
3	3233.260	6.85	32.37	54.82	57.72	42.12	68.20	-26.08	peak
4	4230.396	8.30	33.80	54.27	55.80	43.63	74.00	-30.37	peak
5	10360.000	11.75	37.10	53.13	50.86	46.58	68.20	-21.62	peak
6	p15540.000	14.81	41.10	52.16	49.69	53.44	74.00	-20.56	peak



Test Mode: 09; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Site : chamber
Condition: 3m VERTICAL
Job No : 03614AT
Mode : 5180 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	1285.904	4.48	24.88	54.71	56.23	30.88	68.20	-37.32	peak
2	1520.598	4.53	26.88	54.78	56.63	33.26	74.00	-40.74	peak
3	3386.297	6.90	32.32	54.71	55.84	40.35	68.20	-27.85	peak
4	4392.376	7.99	34.74	54.26	54.97	43.44	74.00	-30.56	peak
5	10360.000	11.75	37.10	53.13	50.44	46.16	68.20	-22.04	peak
6	p15540.000	14.81	41.10	52.16	49.54	53.29	74.00	-20.71	peak



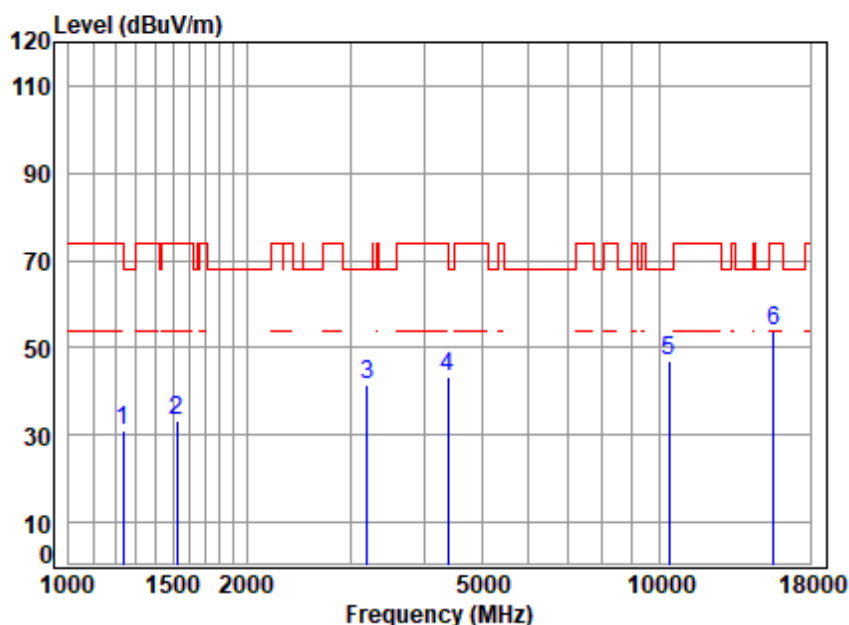
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Test Mode: 09; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:middle



Site : chamber
Condition: 3m HORIZONTAL
Job No : 03614AT
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	1238.483	4.48	24.94	54.69	56.38	31.11	74.00	-42.89	peak
2	1525.000	4.55	26.90	54.78	56.74	33.41	74.00	-40.59	peak
3	3205.345	6.84	32.81	54.84	56.63	41.44	68.20	-26.76	peak
4	4392.376	7.99	34.74	54.26	54.92	43.39	74.00	-30.61	peak
5	10400.000	11.82	37.10	53.12	51.31	47.11	68.20	-21.09	peak
6	15600.000	14.88	41.10	52.11	49.86	53.73	74.00	-20.27	peak



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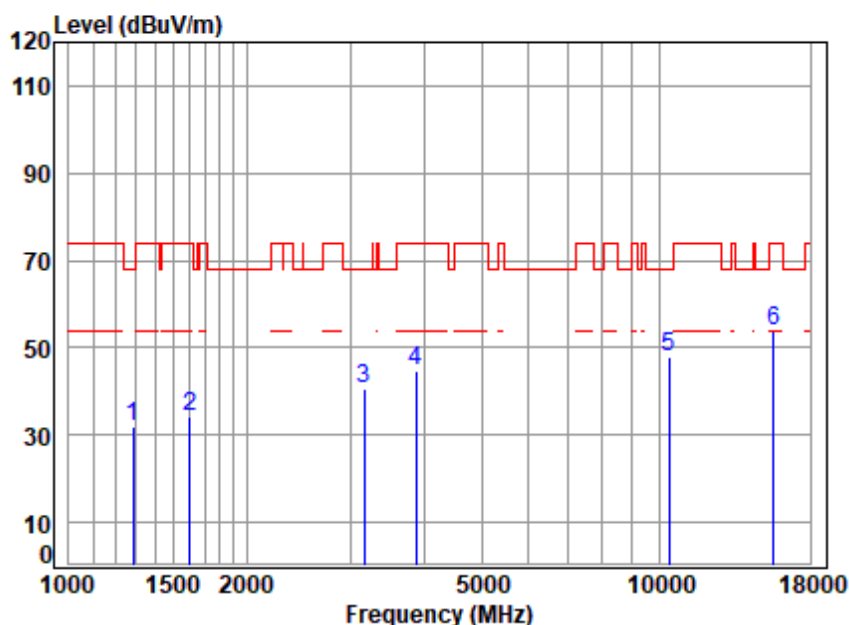
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Report No.: SZCR250800361405

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Test Mode: 09; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:middle



Site : chamber
Condition: 3m VERTICAL
Job No : 03614AT
Mode : 5200 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	1285.904	4.48	24.88	54.71	57.42	32.07	68.20	-36.13	peak
2	1601.804	4.74	26.78	54.80	57.47	34.19	74.00	-39.81	peak
3	3168.500	6.83	32.65	54.87	55.78	40.39	68.20	-27.81	peak
4	3879.027	8.34	33.51	54.37	57.22	44.70	74.00	-29.30	peak
5	10400.000	11.82	37.10	53.12	52.13	47.93	68.20	-20.27	peak
6	p15600.000	14.88	41.10	52.11	50.05	53.92	74.00	-20.08	peak



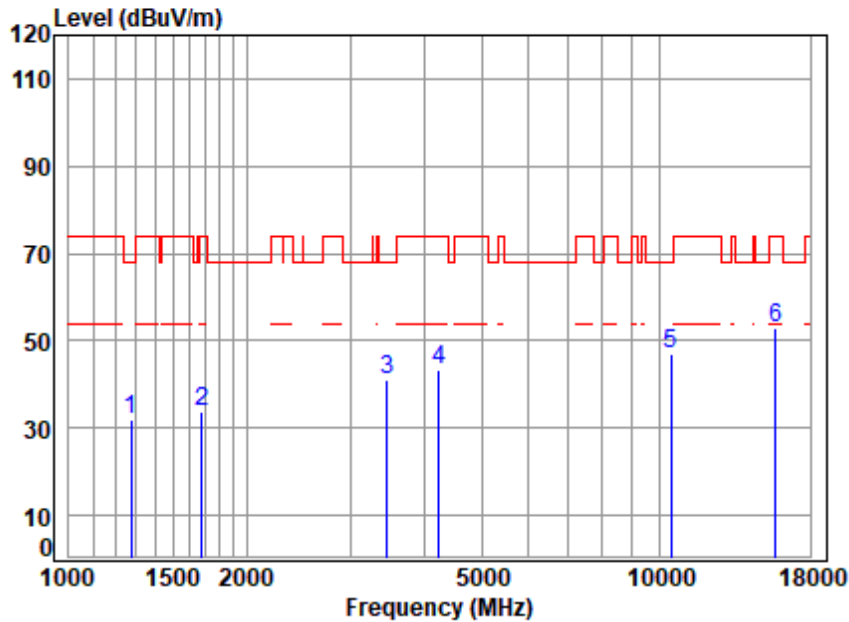
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Test Mode: 09; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:High

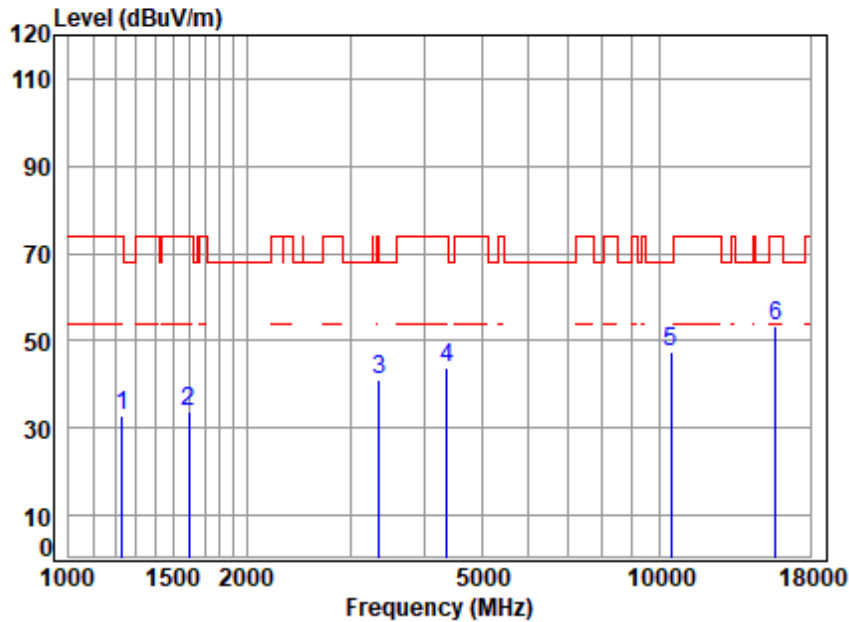


Site : chamber
Condition: 3m HORIZONTAL
Job No : 03614AT
Mode : 5240 TX RSE
Note : 5G WIFI 11A

	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	1274.802	4.48	24.95	54.71	57.17	31.89	68.20	-36.31	peak
2	1682.477	4.94	26.24	54.83	57.38	33.73	74.00	-40.27	peak
3	3465.510	6.92	31.74	54.65	57.01	41.02	68.20	-27.18	peak
4	4230.396	8.30	33.80	54.27	55.73	43.56	74.00	-30.44	peak
5	10480.000	11.95	37.26	53.10	51.10	47.21	68.20	-20.99	peak
6	p15720.000	15.03	41.22	52.02	48.78	53.01	74.00	-20.99	peak



Test Mode: 09; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Site : chamber
Condition: 3m VERTICAL
Job No : 03614AT
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	1231.345	4.48	24.84	54.69	58.26	32.89	74.00	-41.11	peak
2	1597.181	4.73	26.81	54.80	57.04	33.78	74.00	-40.22	peak
3	3357.061	6.89	32.14	54.73	56.68	40.98	74.00	-33.02	peak
4	4367.058	8.04	34.54	54.26	55.35	43.67	74.00	-30.33	peak
5	10480.000	11.95	37.26	53.10	51.31	47.42	68.20	-20.78	peak
6	15720.000	15.03	41.22	52.02	49.21	53.44	74.00	-20.56	peak



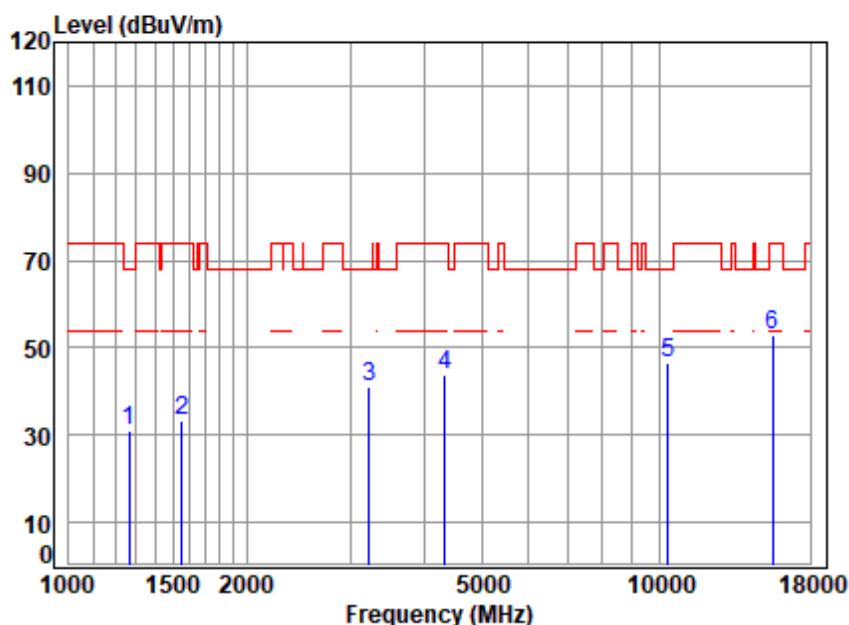
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Report No.: SZCR250800361405

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Test Mode: 09; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 03614AT
Mode : 5180 TX RSE
Note : 5G WIFI 11AX20

	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	4.48	25.00	54.70	56.39	31.17	68.20	-37.03	peak
2	1551.677	4.62	26.99	54.79	56.38	33.20	74.00	-40.80	peak
3	3223.928	6.84	32.52	54.82	56.75	41.29	68.20	-26.91	peak
4	4341.886	8.08	34.34	54.26	55.66	43.82	74.00	-30.18	peak
5	10360.000	11.75	37.10	53.13	50.70	46.42	68.20	-21.78	peak
6	p15540.000	14.81	41.10	52.16	49.29	53.04	74.00	-20.96	peak



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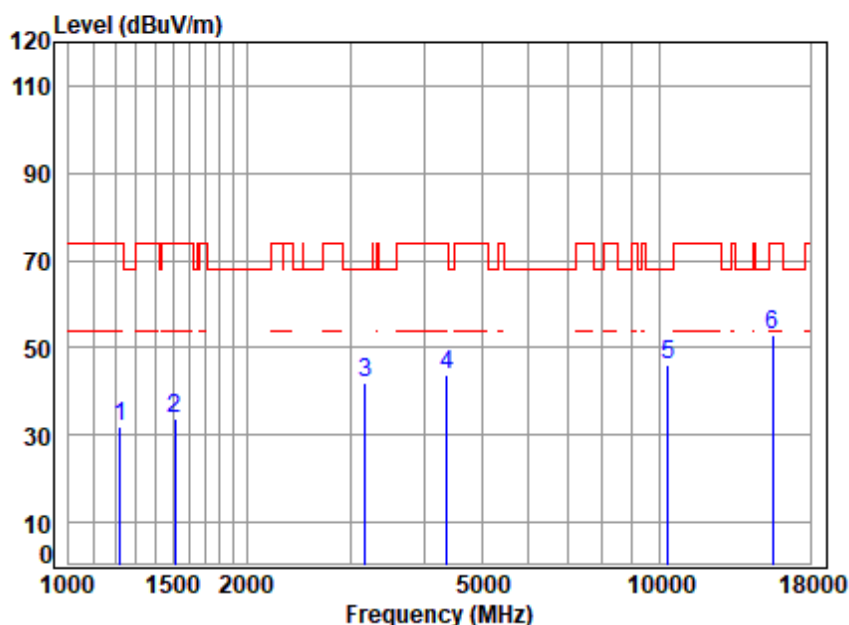
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SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250800361405

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Test Mode: 09; Polarity: Vertical; Modulation: 802.11ax(Full RU0); Bandwidth: 20MHz; Channel: Low



Site : chamber
Condition: 3m VERTICAL
Job No : 03614AT
Mode : 5180 TX RSE
Note : 5G WIFI 11AX20

	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	4.48	24.74	54.69	57.42	31.95	74.00	-42.05	peak
2	1511.833	4.51	26.85	54.78	57.33	33.91	74.00	-40.09	peak
3	3177.672	6.83	32.72	54.86	57.45	42.14	68.20	-26.06	peak
4	4367.058	8.04	34.54	54.26	55.38	43.70	74.00	-30.30	peak
5	10360.000	11.75	37.10	53.13	50.17	45.89	68.20	-22.31	peak
6	p15540.000	14.81	41.10	52.16	49.27	53.02	74.00	-20.98	peak



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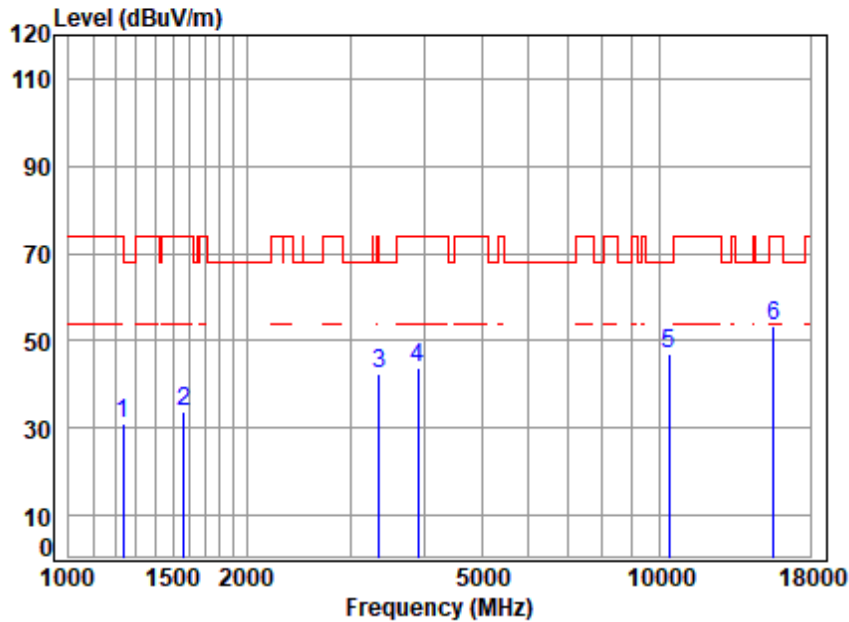
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Report No.: SZCR250800361405

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Test Mode: 09; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:middle



Site : chamber
Condition: 3m HORIZONTAL
Job No : 03614AT
Mode : 5200 TX RSE
Note : 5G WIFI 11AX20

	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	4.48	24.89	54.69	56.39	31.07	74.00	-42.93	peak
2	1565.191	4.65	26.94	54.79	56.89	33.69	74.00	-40.31	peak
3	3357.061	6.89	32.14	54.73	58.10	42.40	74.00	-31.60	peak
4	3901.516	8.42	33.79	54.36	55.78	43.63	74.00	-30.37	peak
5	10400.000	11.82	37.10	53.12	51.08	46.88	68.20	-21.32	peak
6	p15600.000	14.88	41.10	52.11	49.63	53.50	74.00	-20.50	peak



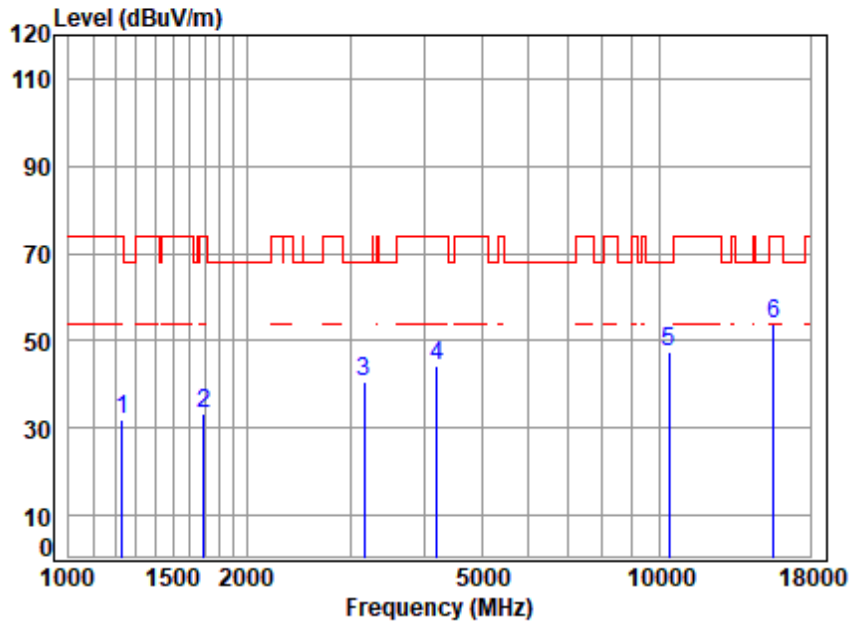
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Test Mode: 09; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:middle



Site : chamber
Condition: 3m VERTICAL
Job No : 03614AT
Mode : 5200 TX RSE
Note : 5G WIFI 11AX20

	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	1231.345	4.48	24.84	54.69	57.19	31.82	74.00	-42.18	peak
2	1692.231	4.96	26.22	54.83	57.12	33.47	74.00	-40.53	peak
3	3159.355	6.82	32.57	54.87	56.23	40.75	68.20	-27.45	peak
4	4193.872	8.37	33.80	54.28	56.18	44.07	74.00	-29.93	peak
5	10400.000	11.82	37.10	53.12	51.51	47.31	68.20	-20.89	peak
6	p15600.000	14.88	41.10	52.11	50.06	53.93	74.00	-20.07	peak



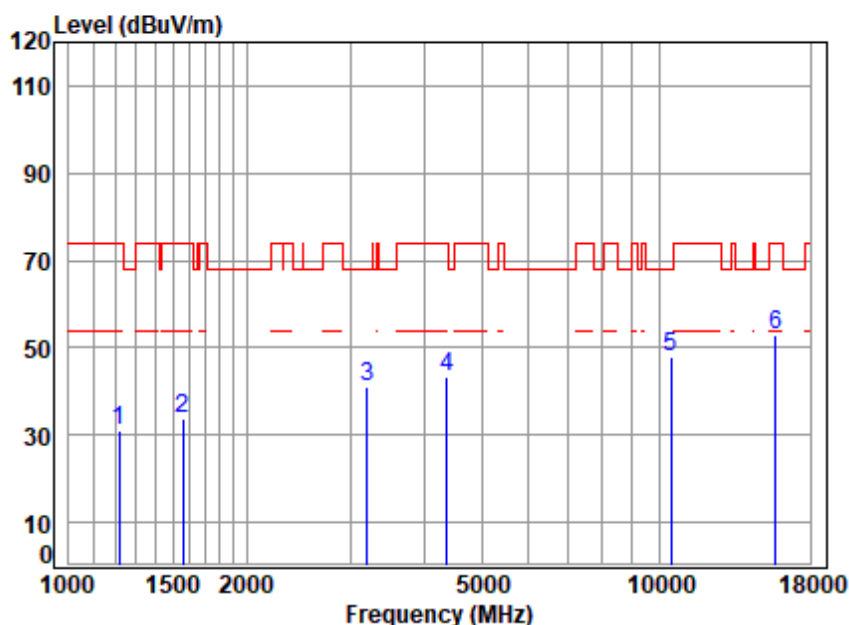
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Report No.: SZCR250800361405

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Test Mode: 09; Polarity: Horizontal; Modulation: 802.11ax(Full RU0); Bandwidth: 20MHz; Channel: High



Site : chamber
Condition: 3m HORIZONTAL
Job No : 03614AT
Mode : 5240 TX RSE
Note : 5G WIFI 11AX20

	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	4.48	24.64	54.69	56.67	31.10	74.00	-42.90	peak
2	1560.673	4.64	26.96	54.79	56.90	33.71	74.00	-40.29	peak
3	3196.094	6.84	32.87	54.85	56.12	40.98	68.20	-27.22	peak
4	4367.058	8.04	34.54	54.26	55.22	43.54	74.00	-30.46	peak
5	10480.000	11.95	37.26	53.10	51.81	47.92	68.20	-20.28	peak
6	15720.000	15.03	41.22	52.02	48.56	52.79	74.00	-21.21	peak



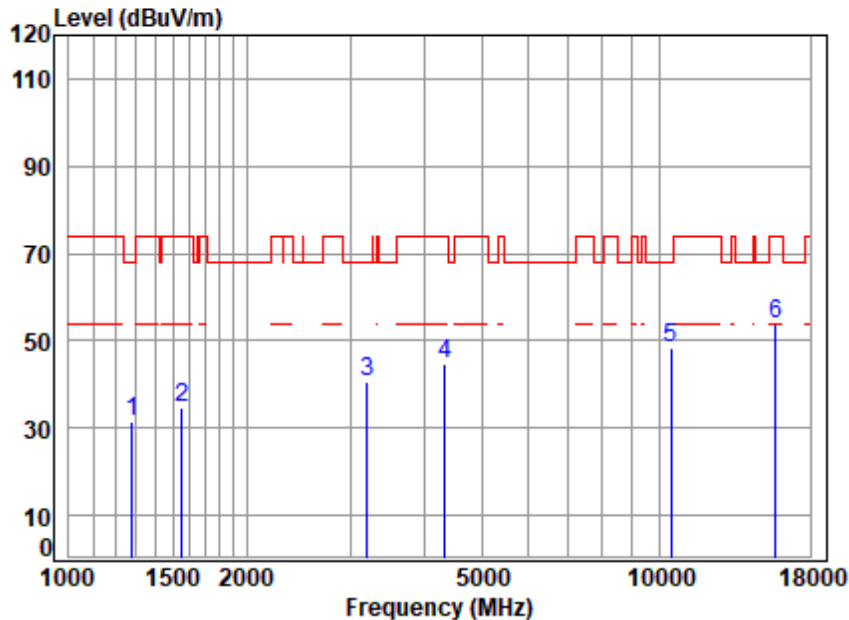
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Test Mode: 09; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:High

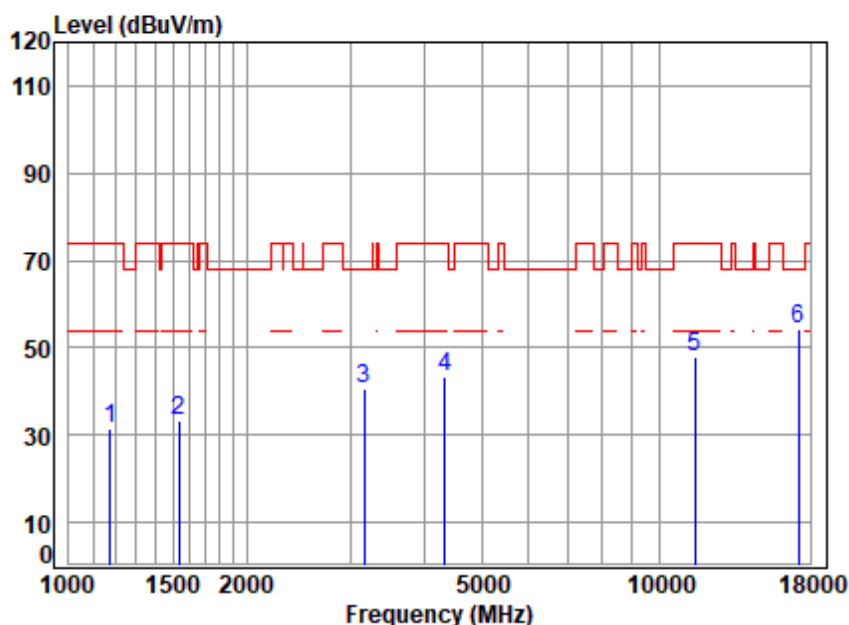


Site : chamber
Condition: 3m VERTICAL
Job No : 03614AT
Mode : 5240 TX RSE
Note : 5G WIFI 11AX20

	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	1282.193	4.48	24.91	54.71	56.93	31.61	68.20	-36.59	peak
2	1551.677	4.62	26.99	54.79	57.80	34.62	74.00	-39.38	peak
3	3205.345	6.84	32.81	54.84	55.82	40.63	68.20	-27.57	peak
4	4341.886	8.08	34.34	54.26	56.56	44.72	74.00	-29.28	peak
5	10480.000	11.95	37.26	53.10	52.14	48.25	68.20	-19.95	peak
6	15720.000	15.03	41.22	52.02	49.73	53.96	74.00	-20.04	peak



Test Mode: 10; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 03614AT
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	1175.697	4.48	24.16	54.67	57.69	31.66	74.00	-42.34	peak
2	1533.841	4.57	26.94	54.79	56.64	33.36	74.00	-40.64	peak
3	3168.500	6.83	32.65	54.87	55.98	40.59	68.20	-27.61	peak
4	4341.886	8.08	34.34	54.26	55.39	43.55	74.00	-30.45	peak
5	11490.000	12.65	37.79	53.10	50.54	47.88	74.00	-26.12	peak
6	p17235.000	15.95	43.03	52.78	48.23	54.43	68.20	-13.77	peak



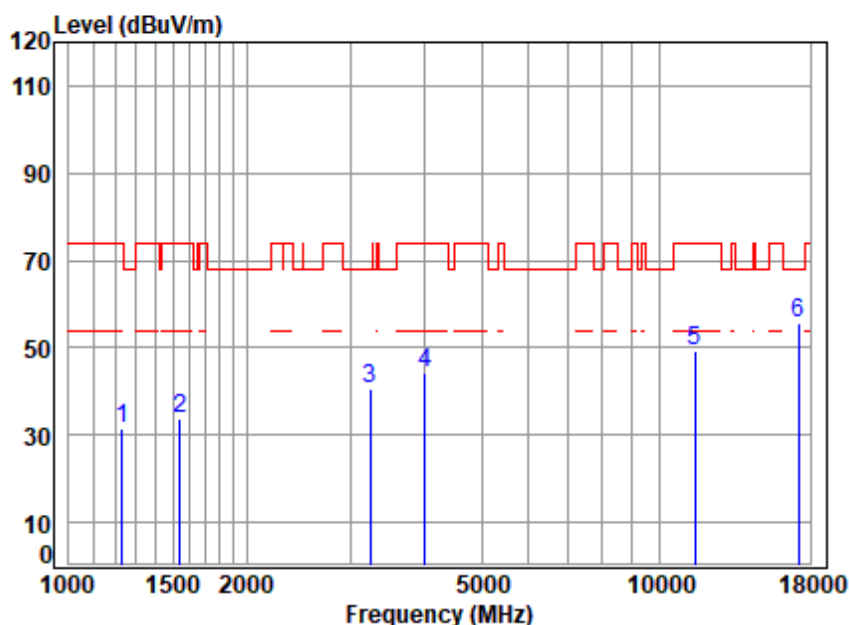
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Test Mode: 10; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Site : chamber
Condition: 3m VERTICAL
Job No : 03614AT
Mode : 5745 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	1231.345	4.48	24.84	54.69	56.91	31.54	74.00	-42.46	peak
2	1542.733	4.59	26.97	54.79	56.83	33.60	74.00	-40.40	peak
3	3233.260	6.85	32.37	54.82	56.28	40.68	68.20	-27.52	peak
4	4015.929	8.73	32.84	54.30	56.94	44.21	74.00	-29.79	peak
5	11490.000	12.65	37.79	53.10	51.83	49.17	74.00	-24.83	peak
6	p17235.000	15.95	43.03	52.78	49.44	55.64	68.20	-12.56	peak



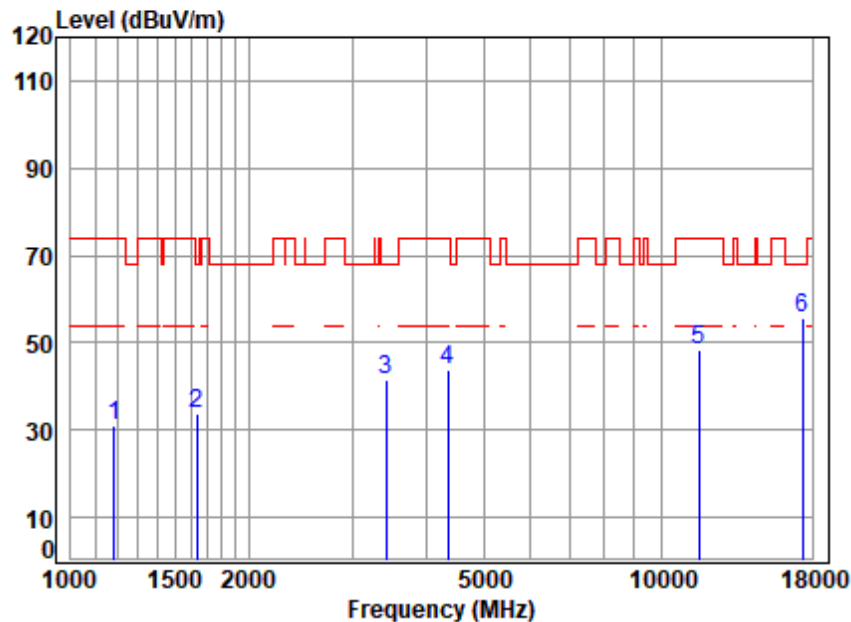
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Test Mode: 10; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:middle

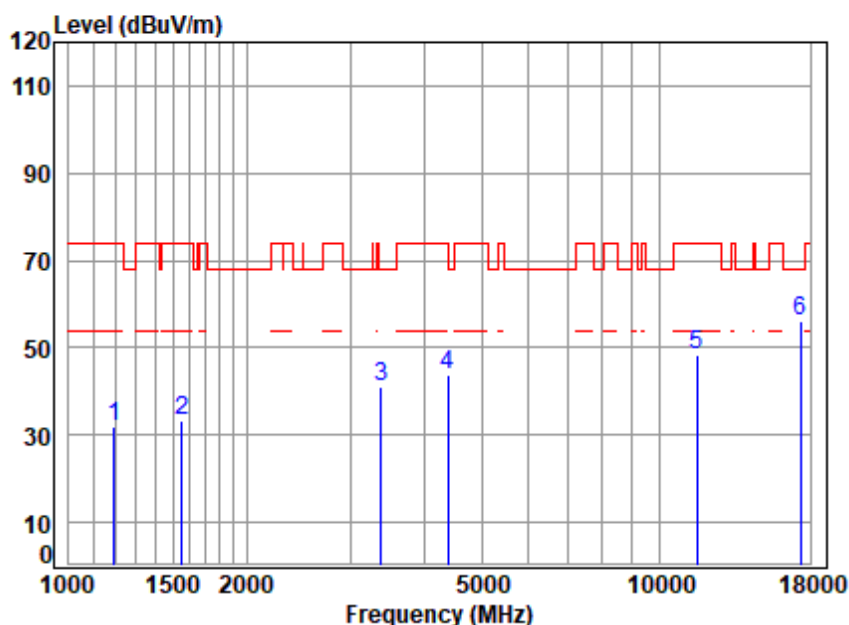


Site : chamber
Condition: 3m HORIZONTAL
Job No : 03614AT
Mode : 5785 TX RSE
Note : 5G WIFI 11A

	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	1185.936	4.48	24.26	54.67	57.11	31.18	74.00	-42.82	peak
2	1634.543	4.82	26.45	54.81	57.50	33.96	68.20	-34.24	peak
3	3425.675	6.91	32.09	54.68	57.02	41.34	68.20	-26.86	peak
4	4354.454	8.06	34.44	54.26	55.44	43.68	74.00	-30.32	peak
5	11570.000	12.71	37.73	53.12	51.25	48.57	74.00	-25.43	peak
6	17355.000	16.06	43.26	52.72	48.87	55.47	68.20	-12.73	peak



Test Mode: 10; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:middle

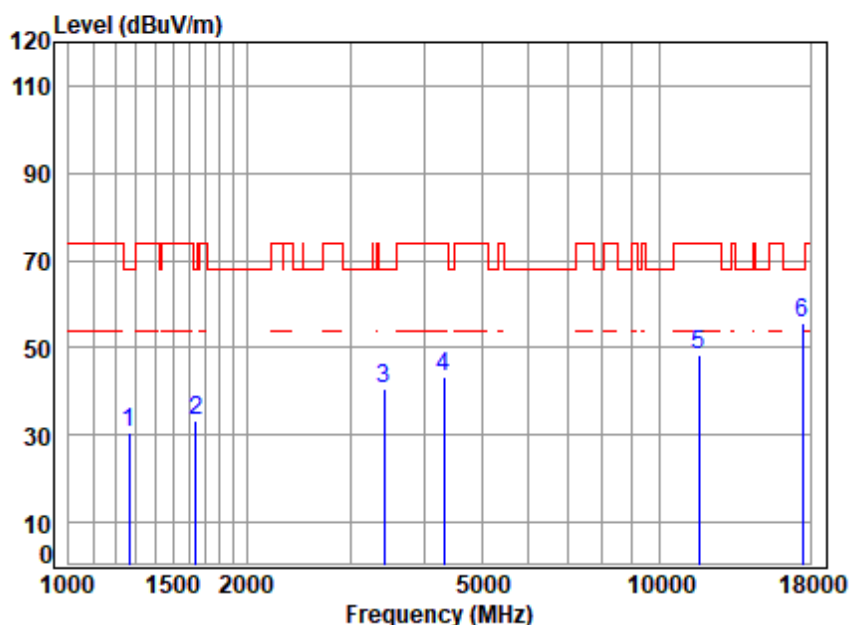


Site : chamber
Condition: 3m VERTICAL
Job No : 03614AT
Mode : 5785 TX RSE
Note : 5G WIFI 11A

	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	1192.811	4.48	24.33	54.68	57.81	31.94	74.00	-42.06	peak
2	1556.169	4.63	26.98	54.79	56.68	33.50	74.00	-40.50	peak
3	3386.297	6.90	32.32	54.71	56.63	41.14	68.20	-27.06	peak
4	4392.376	7.99	34.74	54.26	55.19	43.66	74.00	-30.34	peak
5	11570.000	12.71	37.73	53.12	51.11	48.43	74.00	-25.57	peak
6	17355.000	16.06	43.26	52.72	49.57	56.17	68.20	-12.03	peak



Test Mode: 10; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:High

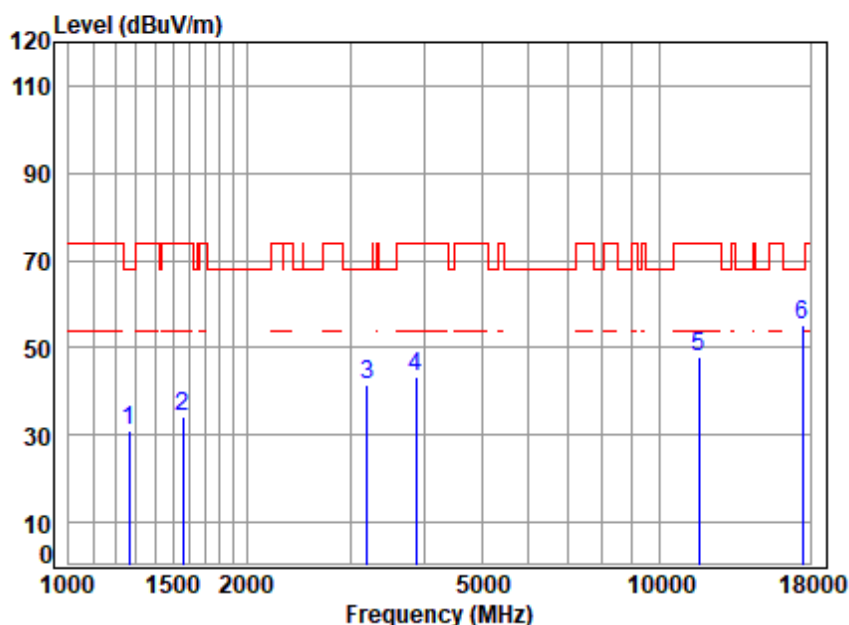


Site : chamber
Condition: 3m HORIZONTAL
Job No : 03614AT
Mode : 5825 TX RSE
Note : 5G WIFI 11A

	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	1263.796	4.48	25.02	54.70	55.86	30.66	68.20	-37.54	peak
2	1639.274	4.83	26.41	54.81	56.92	33.35	68.20	-34.85	peak
3	3425.675	6.91	32.09	54.68	56.17	40.49	68.20	-27.71	peak
4	4316.859	8.13	34.13	54.27	55.41	43.40	74.00	-30.60	peak
5	11650.000	12.76	37.80	53.13	51.09	48.52	74.00	-25.48	peak
6	p17475.000	16.17	43.40	52.66	48.74	55.65	68.20	-12.55	peak



Test Mode: 10; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Site : chamber
Condition: 3m VERTICAL
Job No : 03614AT
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	1267.454	4.48	25.00	54.70	56.19	30.97	68.20	-37.23	peak
2	1560.673	4.64	26.96	54.79	57.22	34.03	74.00	-39.97	peak
3	3196.094	6.84	32.87	54.85	56.81	41.67	68.20	-26.53	peak
4	3867.831	8.30	33.35	54.38	56.27	43.54	74.00	-30.46	peak
5	11650.000	12.76	37.80	53.13	50.68	48.11	74.00	-25.89	peak
6	17475.000	16.17	43.40	52.66	48.51	55.42	68.20	-12.78	peak



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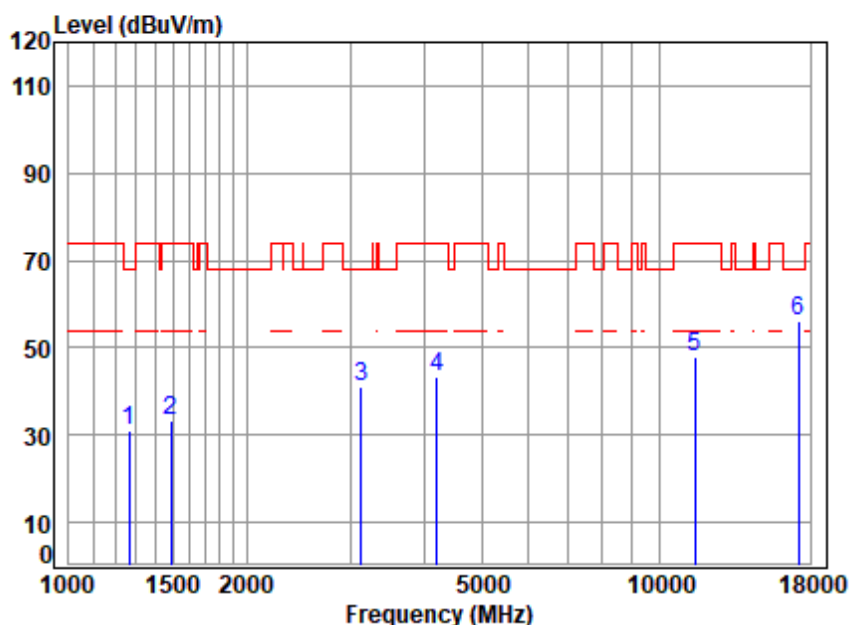
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Test Mode: 10; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 03614AT
Mode : 5745 TX RSE
Note : 5G WIFI 11AX20

	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	1267.454	4.48	25.00	54.70	56.02	30.80	68.20	-37.40	peak
2	1490.142	4.48	26.52	54.77	56.86	33.09	74.00	-40.91	peak
3	3132.079	6.81	32.18	54.90	56.89	40.98	68.20	-27.22	peak
4	4193.872	8.37	33.80	54.28	55.48	43.37	74.00	-30.63	peak
5	11490.000	12.65	37.79	53.10	50.60	47.94	74.00	-26.06	peak
6	p17235.000	15.95	43.03	52.78	49.70	55.90	68.20	-12.30	peak



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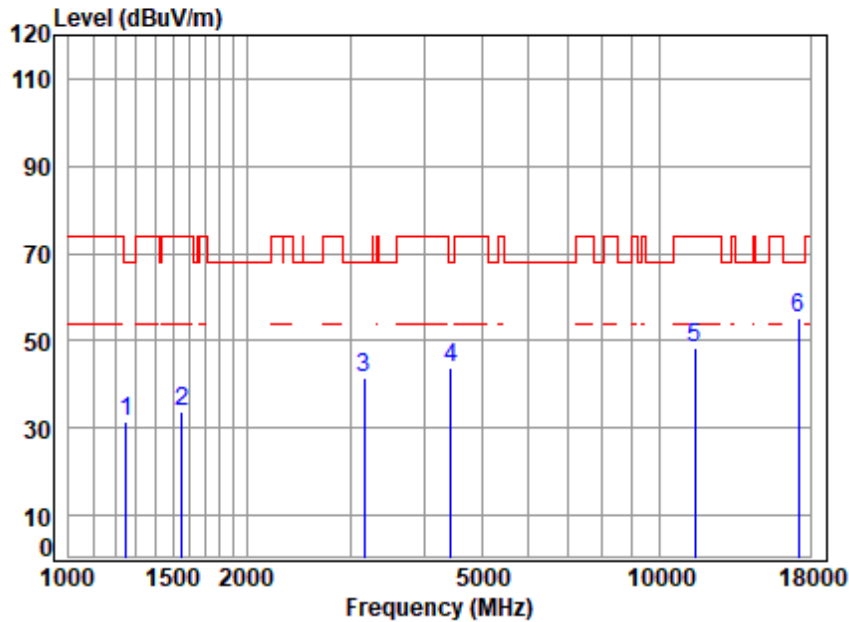
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Report No.: SZCR250800361405

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Test Mode: 10; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:Low



Site : chamber
Condition: 3m VERTICAL
Job No : 03614AT
Mode : 5745 TX RSE
Note : 5G WIFI 11AX20

	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	4.48	25.08	54.70	56.76	31.62	68.20	-36.58	peak
2	1551.677	4.62	26.99	54.79	56.83	33.65	74.00	-40.35	peak
3	3168.500	6.83	32.65	54.87	56.89	41.50	68.20	-26.70	peak
4	4430.628	7.92	34.43	54.25	55.91	44.01	68.20	-24.19	peak
5	11490.000	12.65	37.79	53.10	50.86	48.20	74.00	-25.80	peak
6	p17235.000	15.95	43.03	52.78	49.06	55.26	68.20	-12.94	peak



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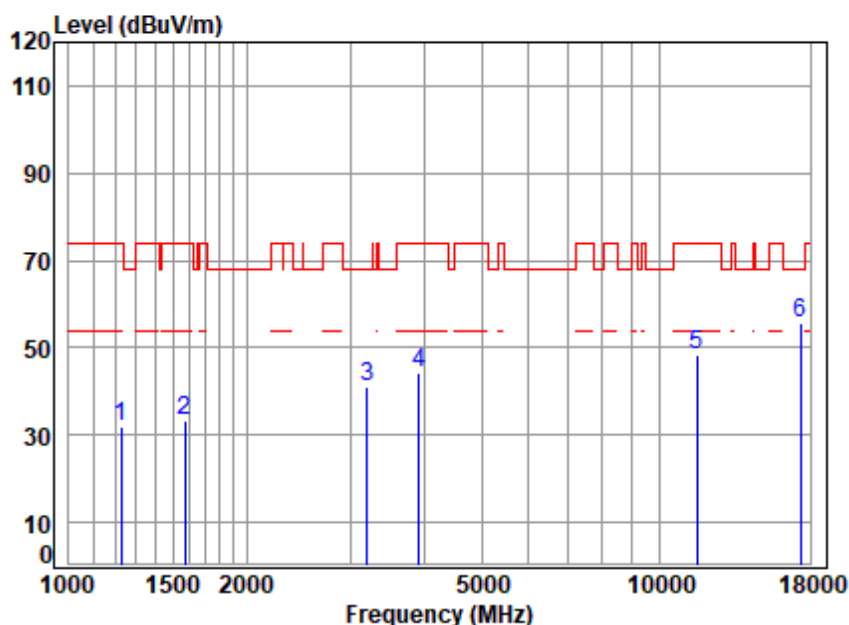
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Test Mode: 10; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:middle



Site : chamber
Condition: 3m HORIZONTAL
Job No : 03614AT
Mode : 5785 TX RSE
Note : 5G WIFI 11AX20

	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	4.48	24.79	54.69	57.42	32.00	74.00	-42.00	peak
2	1574.265	4.67	26.90	54.80	56.61	33.38	74.00	-40.62	peak
3	3196.094	6.84	32.87	54.85	56.30	41.16	68.20	-27.04	peak
4	3912.809	8.46	33.72	54.35	56.28	44.11	74.00	-29.89	peak
5	11570.000	12.71	37.73	53.12	50.99	48.31	74.00	-25.69	peak
6	p17355.000	16.06	43.26	52.72	49.03	55.63	68.20	-12.57	peak



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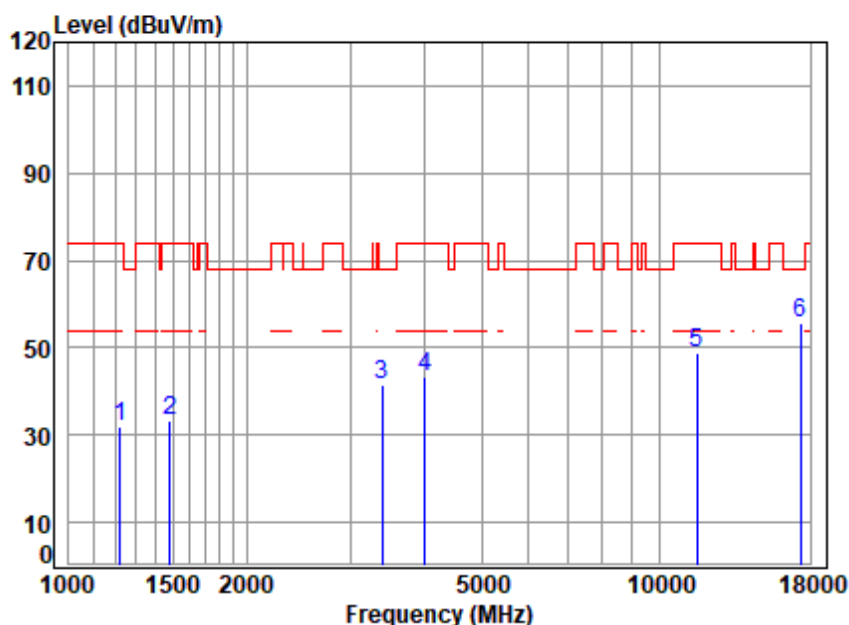
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SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250800361405

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Test Mode: 10; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:middle



Site : chamber
Condition: 3m VERTICAL
Job No : 03614AT
Mode : 5785 TX RSE
Note : 5G WIFI 11AX20

	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	4.48	24.74	54.69	57.46	31.99	74.00	-42.01	peak
2	1485.841	4.48	26.40	54.77	57.19	33.30	74.00	-40.70	peak
3	3396.098	6.90	32.38	54.70	56.92	41.50	68.20	-26.70	peak
4	4004.339	8.75	32.96	54.30	55.96	43.37	74.00	-30.63	peak
5	11570.000	12.71	37.73	53.12	51.37	48.69	74.00	-25.31	peak
6	17355.000	16.06	43.26	52.72	49.06	55.66	68.20	-12.54	peak



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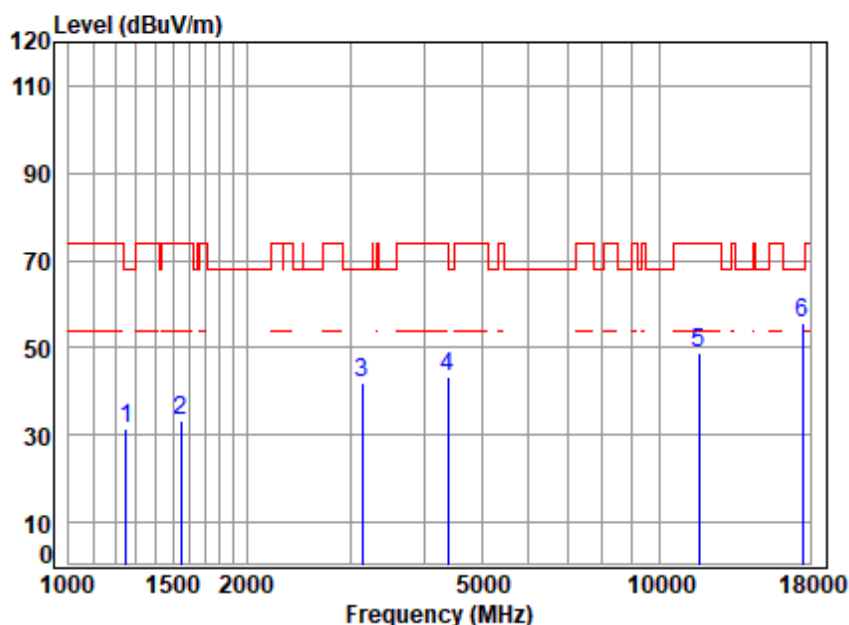
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SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250800361405

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Test Mode: 10; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:High



Site : chamber
Condition: 3m HORIZONTAL
Job No : 03614AT
Mode : 5825 TX RSE
Note : 5G WIFI 11AX20

	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	4.48	25.08	54.70	56.53	31.39	68.20	-36.81	peak
2	1547.199	4.60	26.99	54.79	56.68	33.48	74.00	-40.52	peak
3	3141.145	6.82	32.34	54.89	57.87	42.14	68.20	-26.06	peak
4	4392.376	7.99	34.74	54.26	54.94	43.41	74.00	-30.59	peak
5	11650.000	12.76	37.80	53.13	51.57	49.00	74.00	-25.00	peak
6	17475.000	16.17	43.40	52.66	48.81	55.72	68.20	-12.48	peak



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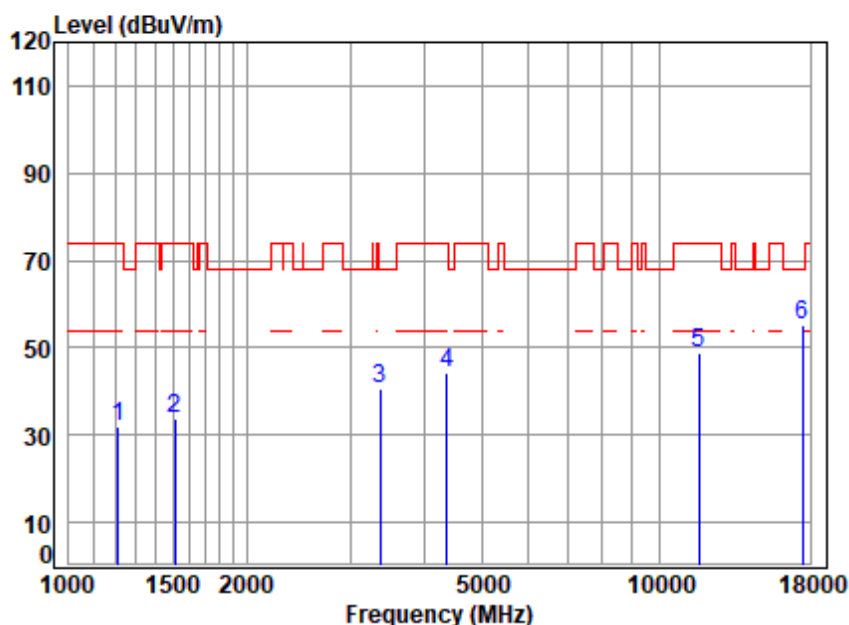
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SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250800361405

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Test Mode: 10; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:High



Site : chamber
Condition: 3m VERTICAL
Job No : 03614AT
Mode : 5825 TX RSE
Note : 5G WIFI 11AX20

	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	1210.174	4.48	24.54	54.68	57.74	32.08	74.00	-41.92	peak
2	1511.833	4.51	26.85	54.78	57.09	33.67	74.00	-40.33	peak
3	3366.778	6.89	32.20	54.72	56.41	40.78	68.20	-27.42	peak
4	4367.058	8.04	34.54	54.26	55.96	44.28	74.00	-29.72	peak
5	11650.000	12.76	37.80	53.13	51.28	48.71	74.00	-25.29	peak
6	17475.000	16.17	43.40	52.66	48.09	55.00	68.20	-13.20	peak



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7.5 Duty Cycle

Test Requirement ANSI C63.10 (2020) Section 12.2
Test Method: ANSI C63.10 (2020) Section 12.2

7.5.1 E.U.T. Operation

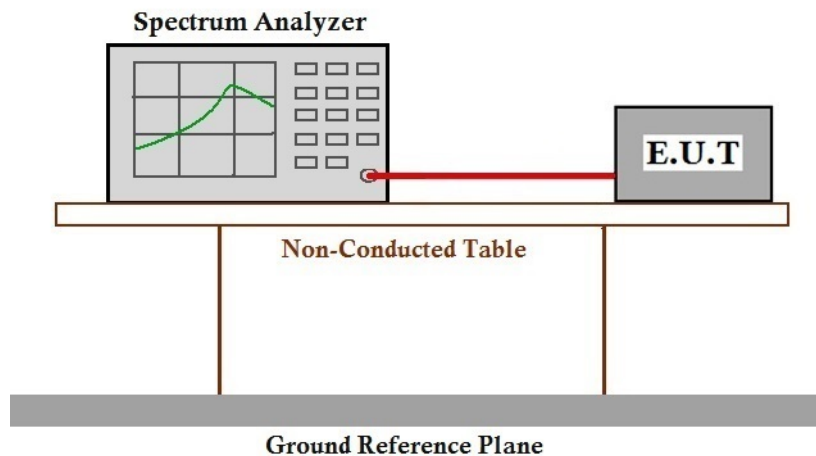
Operating Environment:

Temperature: 24.5 °C Humidity: 41.5 % RH Atmospheric Pressure: 1020 mbar

7.5.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	09	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/ax 20/40/80, Only the data of worst case is recorded in the report.
Final test	10	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/ax 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

Please Refer to Appendix for Details

7.6 99% Bandwidth

Test Requirement ANSI C63.10 (2020) Section 12.4.2

Test Method: ANSI C63.10 (2020) Section 12.5.3

7.6.1 E.U.T. Operation

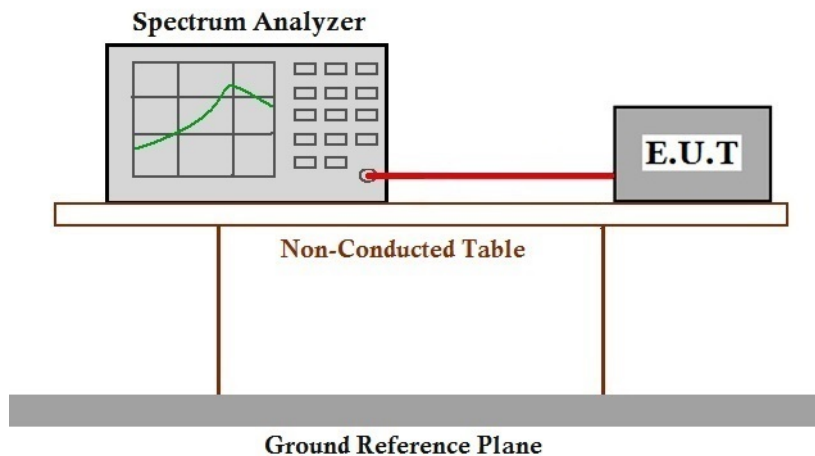
Operating Environment:

Temperature: 24.5 °C Humidity: 41.5 % RH Atmospheric Pressure: 1020 mbar

7.6.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	09	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/ax 20/40/80, Only the data of worst case is recorded in the report.
Final test	10	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/ax 20/40/80, Only the data of worst case is recorded in the report.

7.6.3 Test Setup Diagram



7.6.4 Measurement Procedure and Data

Please Refer to Appendix for Details

7.7 26dB Emission bandwidth

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

Test Method: ANSI C63.10 (2020) Section 12.5.2

7.7.1 E.U.T. Operation

Operating Environment:

Temperature: 24.5 °C

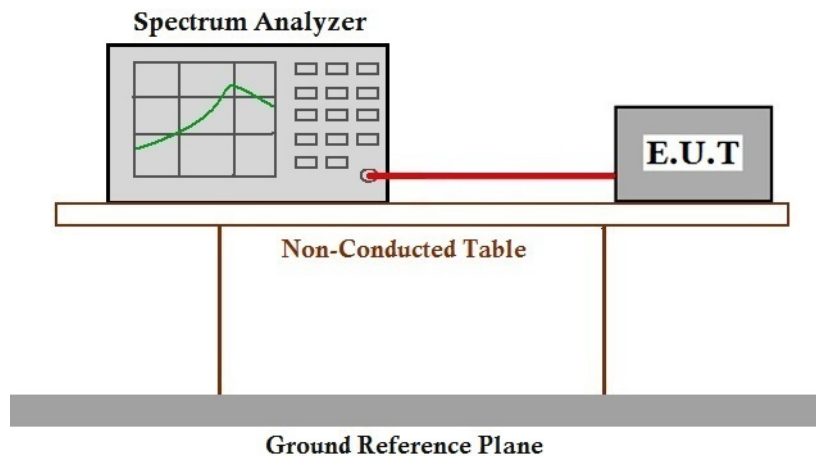
Humidity: 41.5 % RH

Atmospheric Pressure: 1020 mbar

7.7.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	09	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/ax 20/40/80, Only the data of worst case is recorded in the report.
Final test	10	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/ax 20/40/80, Only the data of worst case is recorded in the report.

7.7.3 Test Setup Diagram



7.7.4 Measurement Procedure and Data

Please Refer to Appendix for Details



7.8 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 (2020) Section 12.5.1

Limit:

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

7.8.1 E.U.T. Operation

Operating Environment:

Temperature: 24.5 °C

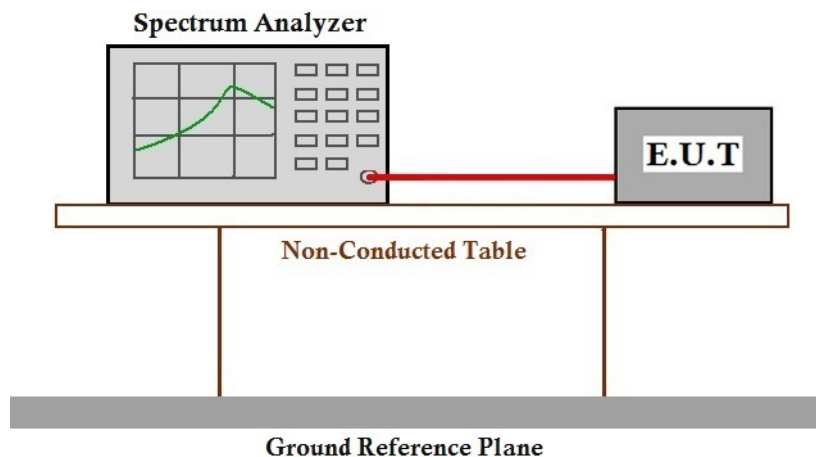
Humidity: 41.5 % RH

Atmospheric Pressure: 1020 mbar

7.8.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	10	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/ax 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 Maximum Conducted output power

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

Test Method: ANSI C63.10 (2020) Section 12.4

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.	

7.9.1 E.U.T. Operation

Operating Environment:

Temperature: 24.5 °C

Humidity: 41.5 % RH

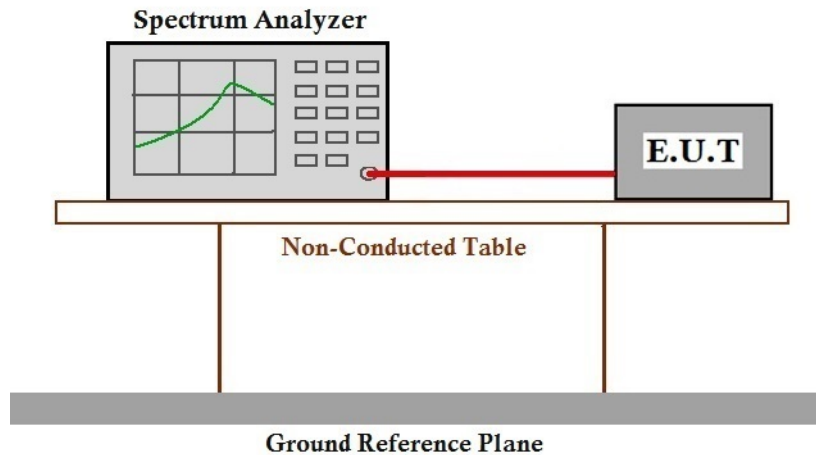
Atmospheric Pressure: 1020 mbar

7.9.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	09	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/ax 20/40/80, Only the data of worst case is recorded in the report.
Final test	10	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/ax 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

7.10 Peak Power spectrum density

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

Test Method: ANSI C63.10 (2020) Section 12.6

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: 24.5 °C

Humidity: 41.5 % RH

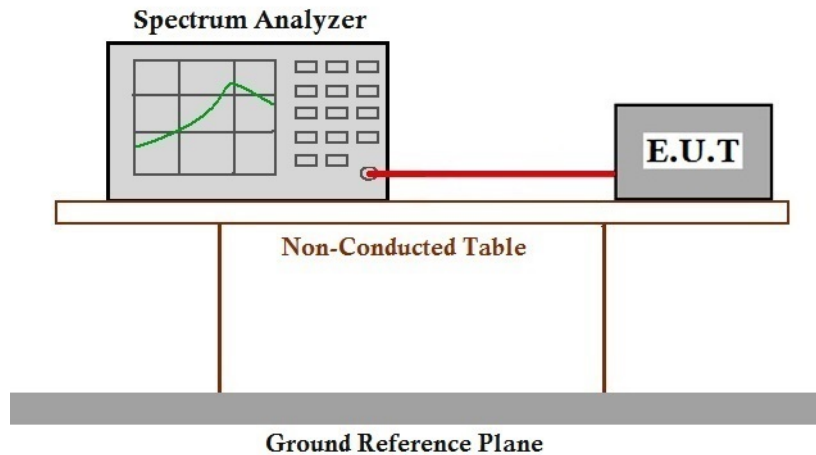
Atmospheric Pressure: 1020 mbar

7.10.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	09	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/ax 20/40/80, Only the data of worst case is recorded in the report.
Final test	10	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/ax 20/40/80, Only the data of worst case is recorded in the report.



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 (2020) Section 6.8

7.11.1 E.U.T. Operation

Operating Environment:

Temperature: 24.5 °C

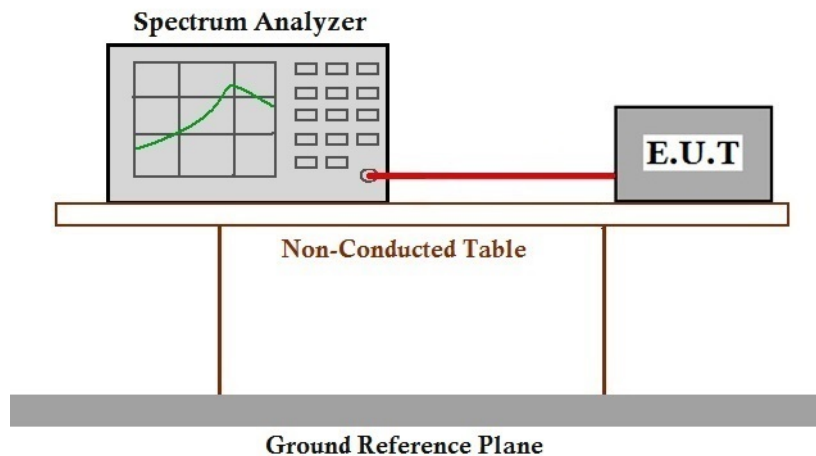
Humidity: 41.5 % RH

Atmospheric Pressure: 1020 mbar

7.11.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	09	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/ax 20/40/80, Only the data of worst case is recorded in the report.
Final test	10	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/ax 20/40/80, Only the data of worst case is recorded in the report.

7.11.3 Test Setup Diagram



7.11.4 Measurement Procedure and Data

Please Refer to Appendix for Details

8 Test Setup Photo

Refer to Appendix – Test Setup 5G WIFI Photos for SZCR2508003614AT

9 EUT Constructional Details (EUT Photos)

Refer to Appendix - External and Internal photos for SZCR2508003614AT