

# TEST REPORT

**Application No.:** SZCR2502000519TL  
**Applicant:** Applied Digital Research Corporation DBA SKYBOXE  
**Address of Applicant:** 15 Paradise Plaza, 299, Sarasota, Florida 34239 United States  
**Manufacturer:** Xiamen Four-Faith Communication Technology Co., Ltd.  
**Address of Manufacturer:** 11th Floor, A-06 Area, No.370, Chengyi Street, Jimei, Xiamen, Fujian, China.  
**Factory:** Xiamen Four-Faith Communication Technology Co., Ltd.  
**Address of Factory:** 11th Floor, A-06 Area, No.370, Chengyi Street, Jimei, Xiamen, Fujian, China.  
**Equipment Under Test (EUT):**  
**EUT Name:** 5G CPE  
**Model No.:** SB5GCPE-302  
**Trade Mark:** SKYBOXE  
**FCC ID:** 2AWJS-SB5GCPE302  
**Standard(s) :** 47 CFR Part 15, Subpart E 15.407  
**Date of Receipt:** 2025-02-13  
**Date of Test:** 2025-02-19 to 2025-04-10  
**Date of Issue:** 2025-04-11

<b>Test Result:</b>	<b>Pass*</b>
---------------------	--------------

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

Kenx. Xu

Keny Xu  
EMC Laboratory Manager



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

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SZEMC-TRF-01 Rev. A/1

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Revision Record				
Version	Chapter	Date	Modifier	Remark
01		2025-04-11		Original

Authorized for issue by:				
		Calvin Weng		
		Calvin Weng/Project Engineer		
		Eric Fu		
		Eric Fu/Reviewer		



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## 2 Test Summary

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

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



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## 4 General Information

### 4.1 Details of E.U.T.

Power supply:	DC12V/3A by power adapter Adapter M/N:XH1200-3000W Adapter Input: AC100-240V, 50/60Hz, 0.8A Adapter Output: DC12/3A
Cable(s):	DC cable:1.8m unshielded without ferrite core RJ45 cable:1m unshielded
Cable Loss (for RF conducted test):	1.5dB
Operation Frequency/Number of channels (20MHz):	5180-5240MHz (4 Channels); U-NII-2A: 5260-5320MHz (4 Channels); U-NII-2C: 5500-5700MHz (11 Channels); U-NII-3: 5745-5825MHz (5 Channels)
Operation Frequency/Number of channels/(40MHz):	5190-5230MHz (2 Channels); U-NII-2A: 5270-5310MHz (2 Channels); U-NII-2C: 5510-5670MHz (5 Channels); U-NII-3: 5755-5795MHz (2 Channels)
Operation Frequency/Number of channels (80MHz):	5210MHz (1 Channel); U-NII-2A: 5290MHz (1 Channels); U-NII-2C: 5530-5610MHz (2 Channels); U-NII-3: 5775MHz (1 Channel)
Modulation Type:	OFDM (64QAM, 16QAM, QPSK, BPSK); 802.11n: OFDM (BPSK, QPSK, 16QAM, 64QAM); 802.11ac: OFDM (BPSK, QPSK, 16QAM, 64QAM, 256QAM); 802.11ax: OFDMA (BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024-QAM)
Channel Spacing:	802.11a/n/ac/ax 20: 20MHz; 802.11n/ac/ax 40: 40MHz; 802.11ac/ax 80: 80MHz
DFS Function:	Master
TPC Function:	Not Support TPC function
Antenna Type:	Integral Antenna
Antenna Gain:	U-NII-1/2A: Ant1: 2.13dBi and Ant2: 3.23dBi; U-NII-2C: Ant1: 2.48dBi and Ant2: 2.26dBi; U-NII-3: Ant1: 2.13dBi and Ant2: 1.19dBi

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### 4.2 Description of Support Units

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



## 4.3 Measurement Uncertainty

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

### Remark:

The  $U_{\text{lab}}$  (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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No. 1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China. 518057.

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

No tests were sub-contracted.

## 4.5 Test Facility

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

### • A2LA (Certificate No. 3816.01)

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

### • VCCI (Member No. 1937)

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

### • FCC –Designation Number: CN1336

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

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

### • Innovation, Science and Economic Development Canada

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

CAB identifier: CN0006.

IC#: 4620C.

## 4.6 Deviation from Standards

None

## 4.7 Abnormalities from Standard Conditions

None



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## 5 Equipment List

Conducted Emissions at AC Power Line (150kHz-30MHz)					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
Shielding Room	ZhongYu Electron	GB-88	SEM001-06	2022-05-14	2025-05-13
EMI Test Receiver	Rohde&Schwarz	ESR	SZ-WRG-M-047	2025-01-08	2026-01-07
Matching Pad	N/A	N/A	SEM021-23	2025-03-19	2026-03-18
Matching Pad	N/A	N/A	SEM021-24	2025-03-19	2026-03-18
Measurement Software	AUDIX	e3 V8.2014-6-27a	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM024-01	2024-07-06	2025-07-05
LISN	Rohde&Schwarz	ENV216	SEM007-01	2024-08-15	2025-08-14
LISN	ETS-LINDGREN	3816/2	SEM007-02	2024-03-04 2025-03-03	2025-03-03 2026-03-02

Maximum Conducted output power					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
Power Sensor	TST PASS	TSPS2023R	SEM009-26	2024-03-04 2025-03-03	2025-03-03 2026-03-02
Power Sensor	KEYSIGHT	U2021XA	SEM009-16	2024-03-04 2025-03-03	2025-03-03 2026-03-02
DC Power Supply	Chroma	62012P-80-60	SEM011-11	2024-08-14	2025-08-13
MXA Signal Analyzer	KEYSIGHT	N9020A	SEM004-19	2024-03-04 2025-03-03	2025-03-03 2026-03-02
Signal Generator	KEYSIGHT	N5173B	SEM006-05	2024-09-14	2025-09-13
Measurement Software	TST PASS	TST PASS V2.0	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM031-01	2024-07-06	2025-07-05
Attenuator	Huber+Suhner	6620_SMA-50-1	SEM021-09	2024-03-04 2025-03-03	2025-03-03 2026-03-02
Programmable Temperature & Humidity Chamber	Votsch Industrietechnik GmbH	VT 4002	SEM002-15	2024-02-27 2025-02-26	2025-02-26 2026-02-25



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

Radiated 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	2024-07-24	2025-07-23

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
SHF-EHF Horn 15GHz-40GHz	SCHWARZBECK	BBHA 9170	SZ-WRG-M-056	2023-12-25	2025-12-24

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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	2024-07-24	2025-07-23

## RF Conducted Test

Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
DC Power Supply	Chroma	62012P-80-60	SEM011-11	2024-08-14	2025-08-13
MXA Signal Analyzer	KEYSIGHT	N9020A	SEM004-19	2024-03-05 2025-03-04	2025-03-04 2026-03-03
Signal Generator	KEYSIGHT	N5173B	SEM006-05	2024-09-14	2025-09-13
Measurement Software	TST PASS	TST PASS V2.0	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM031-01	2024-07-06	2025-07-05
Attenuator	Huber+Suhner	6620_SMA-50-1	SEM021-09	2024-03-04 2025-03-03	2025-03-03 2026-03-02
Programmable Temperature & Humidity Chamber	Votsch Industrietechnik GmbH	VT 4002	SEM002-15	2024-02-27 2025-02-26	2025-02-26 2026-02-25

## General used equipment

Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
Humidity/ Temperature Indicator	deli	8838	SEM002-32	2024-07-24	2025-07-23
Humidity/ Temperature Indicator	deli	8838	SEM002-33	2024-07-24	2025-07-23
Barometer	Changchun Meteorological Industry Factory	DYM3	SEM002-01	2024-03-04 2025-03-03	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 permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

15.247(b) (4) requirement:

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

EUT Antenna:

The antenna is integrated on the main PCB and no consideration of replacement. The best case gain of the antenna is U-NII-1/2A: Ant1: 2.13dBi, Ant2: 3.23dBi, directional gain: 6.24dBi; U-NII-2C: Ant1: 2.48dBi, Ant2: 2.26dBi, directional gain: 5.49dBi; U-NII-2C: Ant1: 2.13dBi, Ant2: 1.19dBi, directional gain: 5.14dBi

Antenna location: Refer to internal photo.



## 6.2 Transmission in the Absence of Data

### 6.2.1 Test Requirement:

47 CFR Part 15, Subpart E 15.407 (c)

### 6.2.2 Conclusion

Standard Requirement:

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

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

EUT Details:

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



## 7 Radio Spectrum Matter Test Results

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

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

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

Limit:

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

\*Decreases with the logarithm of the frequency.

#### 7.1.1 E.U.T. Operation

Operating Environment:

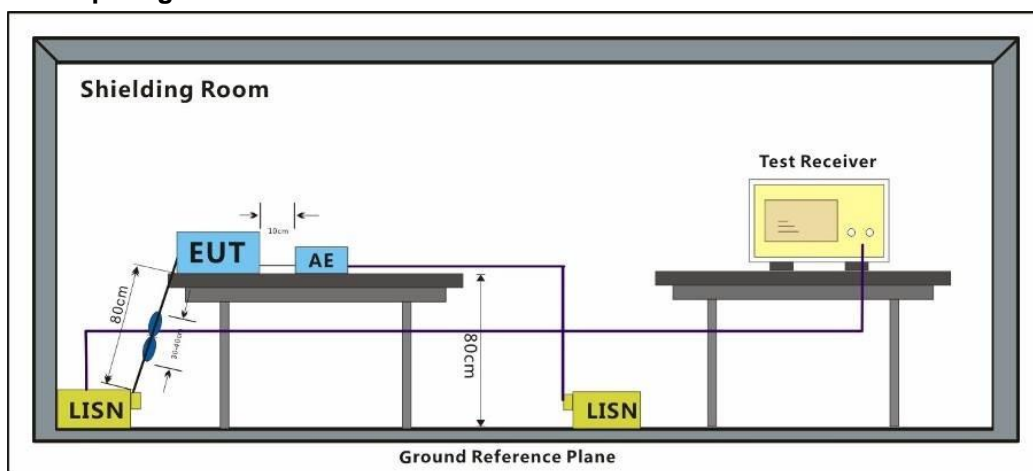
Temperature: 22.5 °C Humidity: 44.5 % RH Atmospheric Pressure: 1020 mbar

#### 7.1.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	01	TX mode (U-NII-1)_Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.
Pre-scan	02	TX mode (U-NII-2A) _Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.
Pre-scan	03	TX mode (U-NII-2C) _Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.
Pre-scan	04	TX mode (U-NII-3) _Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.



### 7.1.3 Test Setup Diagram



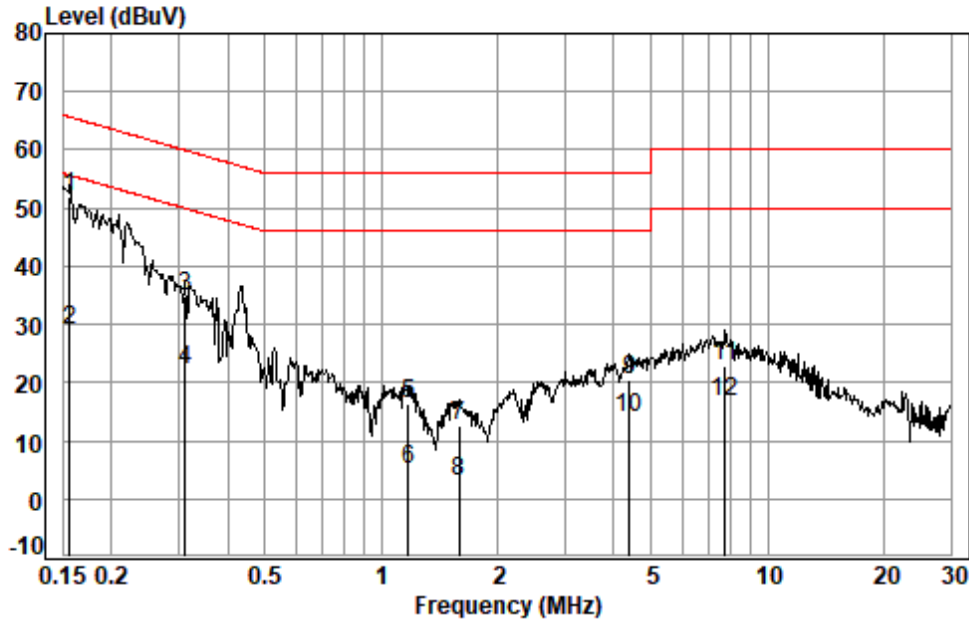
### 7.1.4 Measurement Procedure and Data

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

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



Test Mode: 01; Line: Live line



Site : Shielding Room  
Condition: Line  
Job No. : 00519TL  
Test mode: 01

		Cable	LISN	Read	Limit	Over	
	Freq	Loss	Factor	Level	Level	Line	Limit Remark
	MHz	dB	dB	dBuV	dBuV	dBuV	dB
1 *	0.1565	0.06	10.18	41.60	51.84	65.65	-13.81 QP
2 *	0.1565	0.06	10.18	18.78	29.02	55.65	-26.63 Average
3	0.3100	0.07	9.83	24.97	34.87	59.97	-25.10 QP
4	0.3100	0.07	9.83	12.40	22.30	49.97	-27.67 Average
5	1.1719	0.09	9.58	6.57	16.24	56.00	-39.76 QP
6	1.1719	0.09	9.58	-4.52	5.15	46.00	-40.85 Average
7	1.5935	0.10	9.58	2.94	12.62	56.00	-43.38 QP
8	1.5935	0.10	9.58	-6.69	2.99	46.00	-43.01 Average
9	4.3838	0.12	9.66	10.58	20.36	56.00	-35.64 QP
10	4.3838	0.12	9.66	4.02	13.80	46.00	-32.20 Average
11	7.7689	0.17	9.68	13.10	22.95	60.00	-37.05 QP
12	7.7689	0.17	9.68	6.88	16.73	50.00	-33.27 Average



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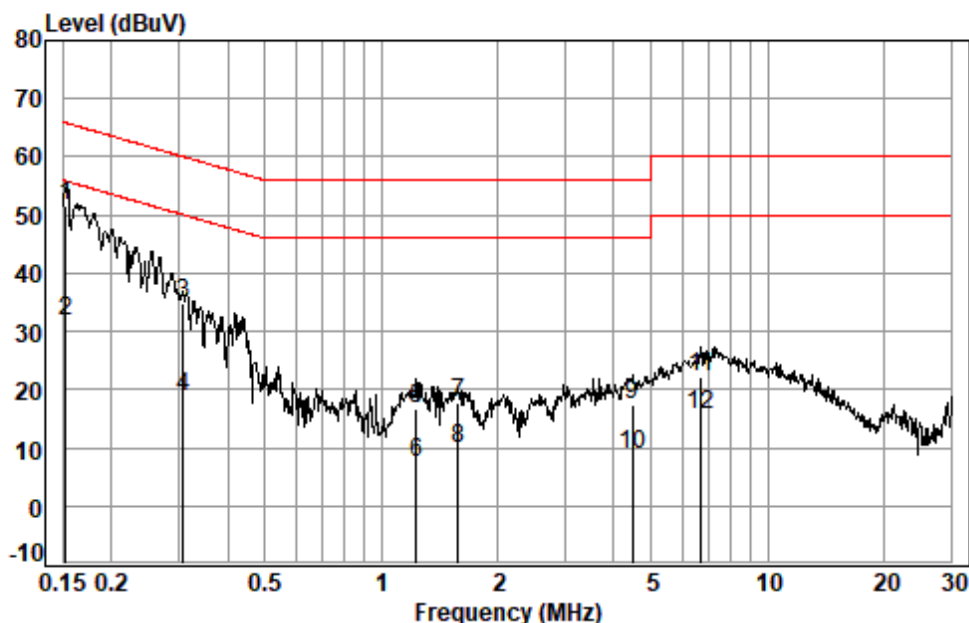
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SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250200051903

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Test Mode: 01; Line: Neutral Line



Site : Shielding Room

Condition: Neutral

Job No. : 00519TL

Test mode: 01

		Cable	LISN	Read	Limit	Over	
	Freq	Loss	Factor	Level	Level	Line	Limit Remark
	MHz	dB	dB	dBuV	dBuV	dBuV	dB
1 *	0.1524	0.06	10.15	41.25	51.46	65.87	-14.41 QP
2 *	0.1524	0.06	10.15	21.57	31.78	55.87	-24.09 Average
3	0.3067	0.07	9.77	24.95	34.79	60.06	-25.27 QP
4	0.3067	0.07	9.77	8.79	18.63	50.06	-31.43 Average
5	1.2357	0.09	9.54	6.97	16.60	56.00	-39.40 QP
6	1.2357	0.09	9.54	-2.16	7.47	46.00	-38.53 Average
7	1.5851	0.10	9.55	8.06	17.71	56.00	-38.29 QP
8	1.5851	0.10	9.55	0.13	9.78	46.00	-36.22 Average
9	4.4777	0.12	9.56	7.73	17.41	56.00	-38.59 QP
10	4.4777	0.12	9.56	-0.94	8.74	46.00	-37.26 Average
11	6.7333	0.15	9.64	12.49	22.28	60.00	-37.72 QP
12	6.7333	0.15	9.64	5.71	15.50	50.00	-34.50 Average



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## 7.2 Maximum Conducted output power

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

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

Limit:

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

### 7.2.1 E.U.T. Operation

Operating Environment:

Temperature: 23.5 °C

Humidity: 50.3 % RH

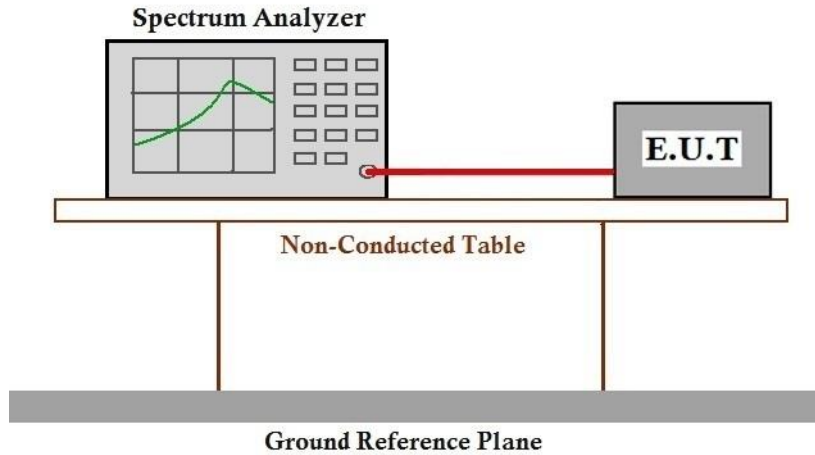
Atmospheric Pressure: 1020 mbar

### 7.2.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	01	TX mode (U-NII-1) _Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.
Final test	02	TX mode (U-NII-2A) _Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.
Final test	03	TX mode (U-NII-2C) _Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.
Final test	04	TX mode (U-NII-3) _Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.



### 7.2.3 Test Setup Diagram



### 7.2.4 Measurement Procedure and Data

Please Refer to Appendix for Details

## 7.3 Radiated Emissions (Below 1GHz)

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

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

Measurement Distance: 3m

Limit:

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

### 7.3.1 E.U.T. Operation

Operating Environment:

Temperature: 23.2 °C

Humidity: 45.3 % RH

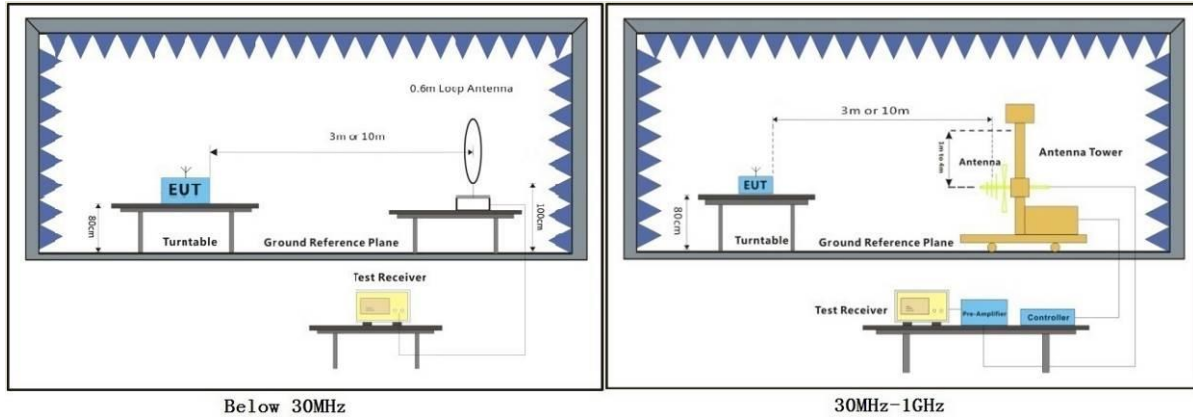
Atmospheric Pressure: 1020 mbar

### 7.3.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	01	TX mode (U-NII-1)_Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.
Pre-scan	02	TX mode (U-NII-2A) _Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.
Pre-scan	03	TX mode (U-NII-2C) _Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.
Pre-scan	04	TX mode (U-NII-3) _Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.



### 7.3.3 Test Setup Diagram



Below 30MHz

30MHz-1GHz



## 7.3.4 Measurement Procedure and Data

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

### Remark:

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



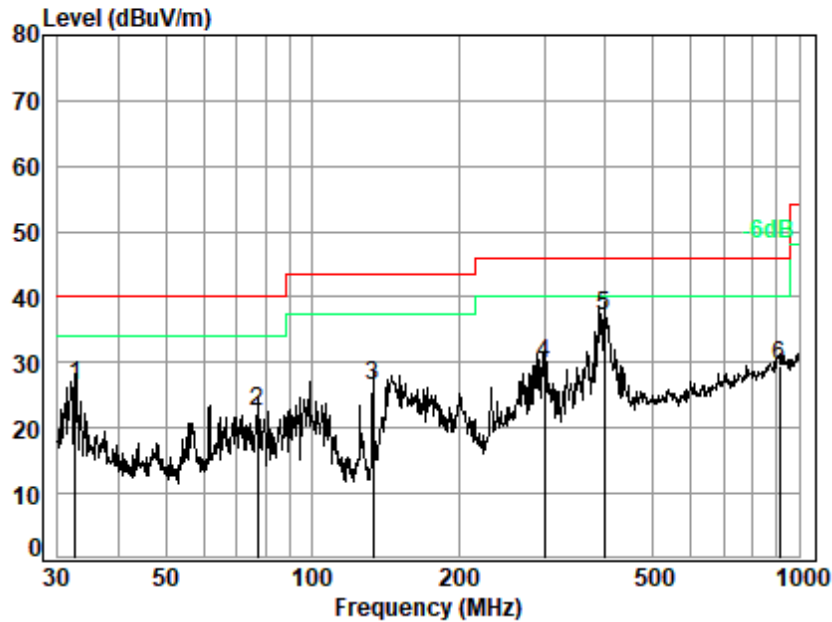
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SZEMC-TRF-01 Rev. A/1

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Test Mode: 01; Polarity: Horizontal



Site : chamber  
Condition: 3m HORIZONTAL  
Job No. : 00519TL  
Test Mode: 01

	Ant	Cable	Preamp	Read		Limit	Over	
	Freq	Factor	Loss	Factor	Level	Level	Line	Limit Remark
	MHz	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB
1	32.634	20.02	0.70	27.78	33.44	26.38	40.00	-13.62 QP
2	77.051	10.39	1.07	27.66	38.75	22.55	40.00	-17.45 QP
3	133.151	11.21	1.44	27.45	41.37	26.57	43.50	-16.93 QP
4	299.316	17.94	2.20	26.75	36.55	29.94	46.00	-16.06 QP
5 q	397.633	20.65	2.57	27.15	41.05	37.12	46.00	-8.88 QP
6	912.862	28.01	4.16	26.67	23.96	29.46	46.00	-16.54 QP



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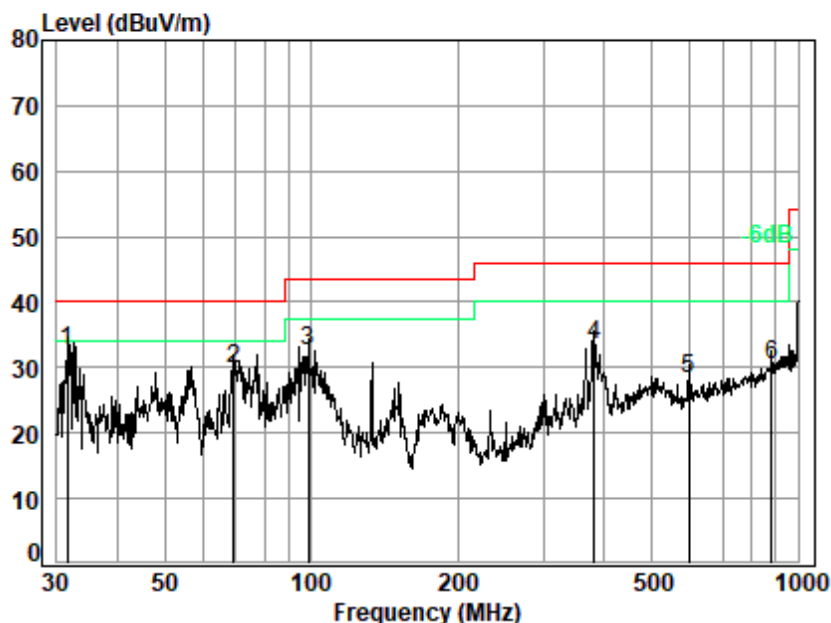
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SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250200051903

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Test Mode: 01; Polarity: Vertical



Site : chamber  
Condition: 3m VERTICAL  
Job No. : 00519TL  
Test Mode: 01

		Ant	Cable	Preamp	Read		Limit	Over	
	Freq	Factor	Loss	Factor	Level	Level	Line	Limit	Remark
	MHz	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB	
1	q	31.510	20.50	0.69	27.79	39.24	32.64	40.00	-7.36 QP
2		69.114	10.65	1.01	27.68	45.97	29.95	40.00	-10.05 QP
3		98.487	12.22	1.21	27.59	46.60	32.44	43.50	-11.06 QP
4		381.249	20.91	2.52	27.08	37.25	33.60	46.00	-12.40 QP
5		597.223	24.44	3.23	27.96	28.62	28.33	46.00	-17.67 QP
6		881.407	27.76	4.07	26.90	25.56	30.49	46.00	-15.51 QP



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### 7.4 Radiated Emissions (Above 1GHz)

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

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

Measurement Distance: 3m

Limit:

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

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

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

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

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

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

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



### 7.4.1 E.U.T. Operation

Operating Environment:

Temperature: 23.6 °C

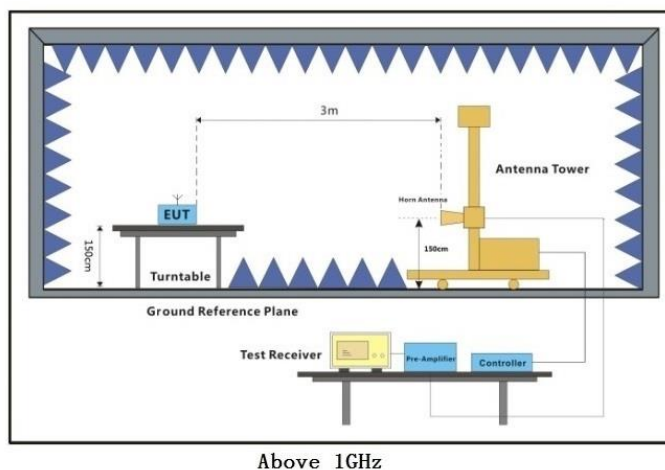
Humidity: 58.9 % RH

Atmospheric Pressure: 1020 mbar

### 7.4.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	01	TX mode (U-NII-1)_Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.
Final test	02	TX mode (U-NII-2A) _Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.
Final test	03	TX mode (U-NII-2C) _Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.
Final test	04	TX mode (U-NII-3) _Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.

### 7.4.3 Test Setup Diagram



## 7.4.4 Measurement Procedure and Data

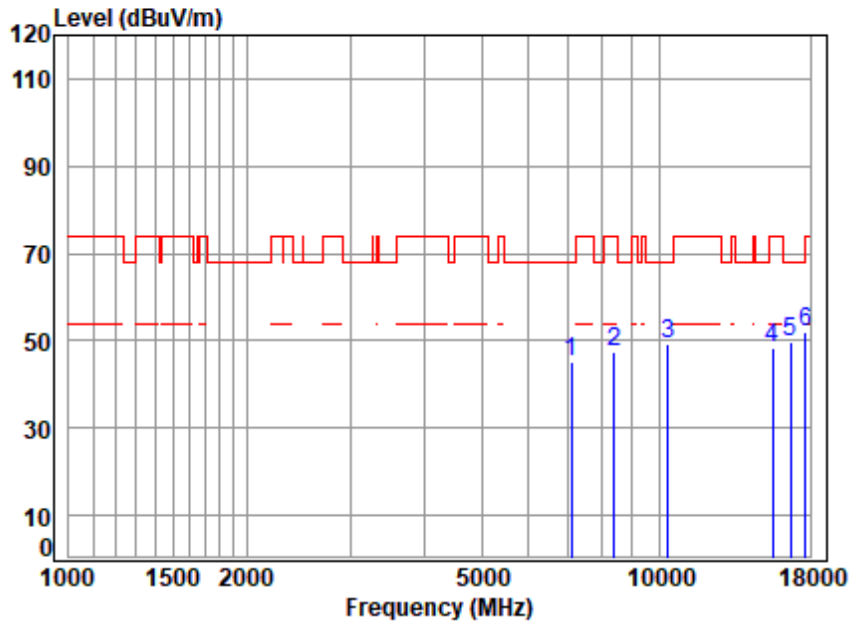
- a. For above 1GHz, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter fully-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which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

Remark:

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



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



Condition: 3m HORIZONTAL

Job No : 00519TL

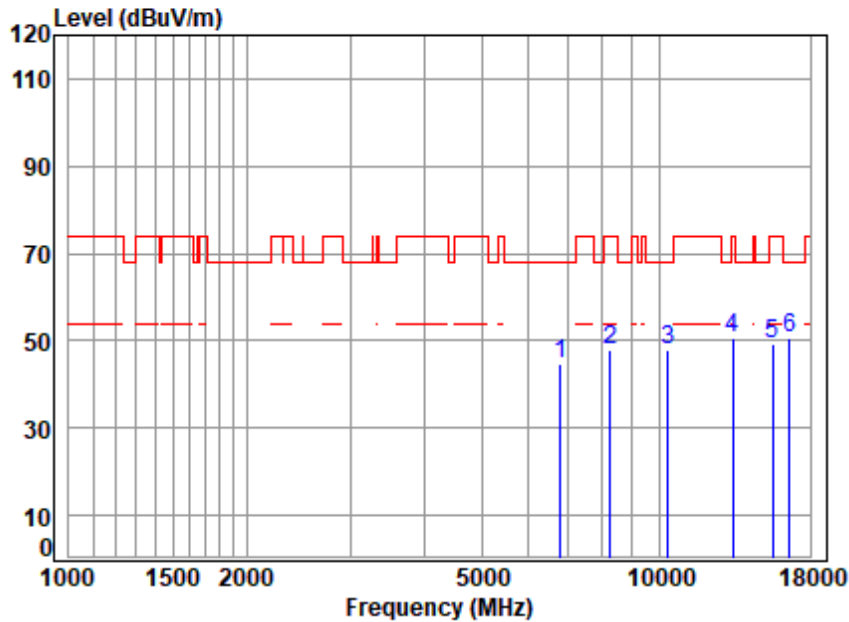
Mode : 5180 TX RSE

: 5G Wi-Fi 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	7096.999	11.97	36.39	56.62	53.37	45.11	68.20	-23.09	peak
2	8392.292	11.64	38.62	55.55	52.69	47.40	74.00	-26.60	peak
3	10360.000	13.60	39.00	53.88	50.76	49.48	68.20	-18.72	peak
4	15540.000	17.00	38.56	54.14	47.12	48.54	74.00	-25.46	peak
5	16696.880	17.59	39.39	54.21	46.82	49.59	68.20	-18.61	peak
6	pp17690.530	19.16	41.66	54.44	45.56	51.94	68.20	-16.26	Peak



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



Condition: 3m VERTICAL

Job No : 00519TL

Mode : 5180 TX RSE

: 5G Wi-Fi 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	6795.879	11.37	35.88	56.74	54.17	44.68	68.20	-23.52 Peak
2	8248.005	11.66	37.81	55.68	53.94	47.73	74.00	-26.27 peak
3	10360.000	13.60	39.00	53.88	49.32	48.04	68.20	-20.16 peak
4	13326.750	16.37	40.30	54.47	48.34	50.54	74.00	-23.46 Peak
5	15540.000	17.00	38.56	54.14	47.65	49.07	74.00	-24.93 peak
6	pp16600.640	17.65	39.20	54.18	47.90	50.57	68.20	-17.63 peak



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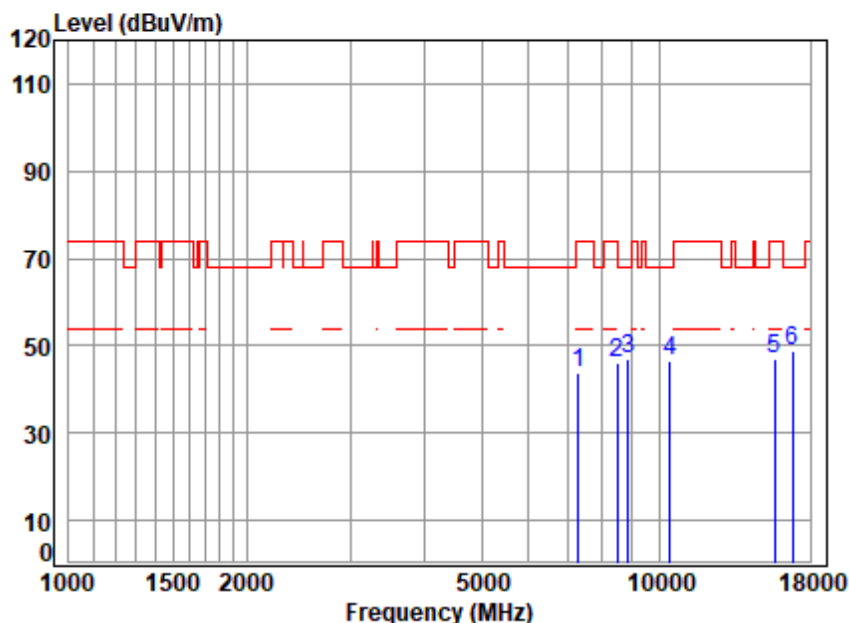
## SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250200051903

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



Condition: 3m HORIZONTAL

Job No : 00519TL

Mode : 5220 TX RSE

: 5G Wi-Fi 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	7305.122	11.51	36.71	56.46	52.07	43.83	74.00 -30.17 peak
2	8489.882	12.24	38.32	55.46	51.16	46.26	74.00 -27.74 peak
3	8866.062	12.23	38.53	55.12	51.54	47.18	68.20 -21.02 peak
4	10440.000	13.63	39.04	53.84	47.51	46.34	68.20 -21.86 peak
5	15660.000	17.23	38.56	54.10	45.41	47.10	74.00 -26.90 peak
6	pp16842.290	17.76	39.60	54.25	45.62	48.73	68.20 -19.47 peak



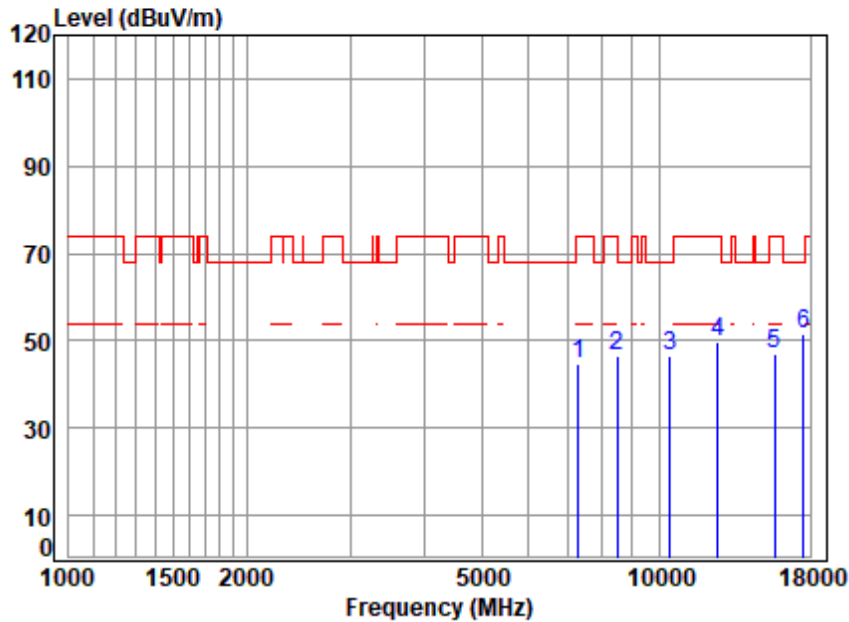
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Test Mode: 01; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:middle



Condition: 3m VERTICAL

Job No : 00519TL

Mode : 5220 TX RSE

: 5G Wi-Fi 11a

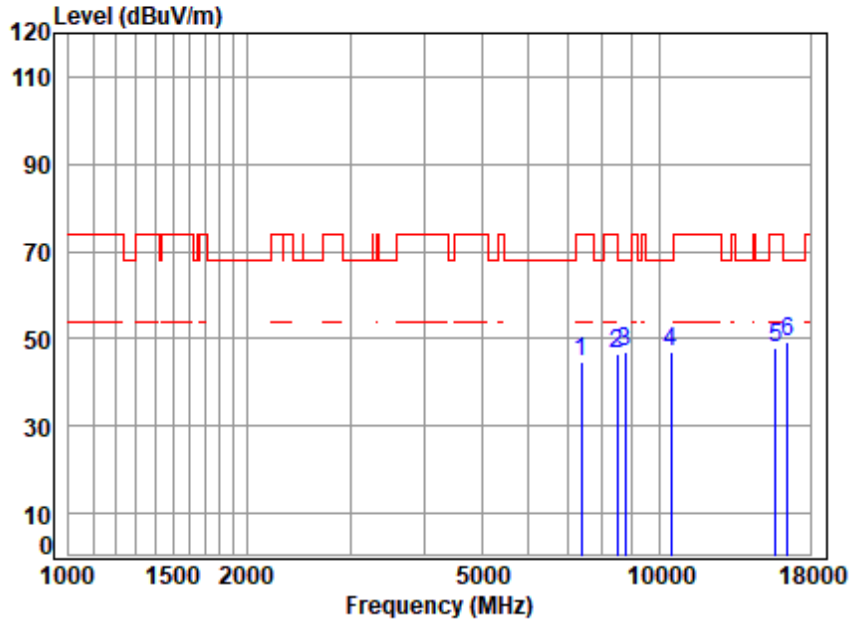
	Cable	Ant	Preamp	Read		Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	7284.038	11.51	36.67	56.47	53.07	44.78	74.00	-29.22 peak
2	8489.882	12.24	38.32	55.46	51.37	46.47	74.00	-27.53 peak
3	10440.000	13.63	39.04	53.84	47.68	46.51	68.20	-21.69 peak
4	12578.210	15.01	40.06	54.20	48.99	49.86	74.00	-24.14 Peak
5	15660.000	17.23	38.56	54.10	45.25	46.94	74.00	-27.06 peak
6	pp17537.800	18.94	40.67	54.41	46.31	51.51	68.20	-16.69 Peak



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



Condition: 3m HORIZONTAL

Job No : 00519TL

Mode : 5240 TX RSE

: 5G Wi-Fi 11a

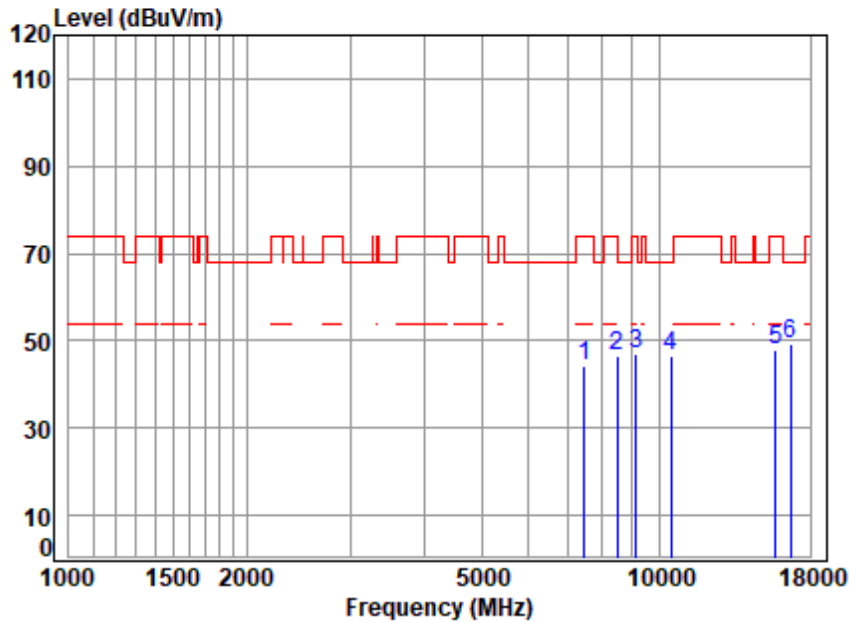
	Freq	Cable Loss	Ant Factor	Preamplifier Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	7368.741	11.50	36.76	56.41	53.06	44.91	74.00	-29.09	peak
2	8489.882	12.24	38.32	55.46	51.22	46.32	74.00	-27.68	peak
3	8738.852	12.15	38.52	55.24	51.58	47.01	68.20	-21.19	peak
4	10480.000	13.64	39.08	53.81	47.95	46.86	68.20	-21.34	peak
5	15720.000	17.22	38.58	54.08	46.38	48.10	74.00	-25.90	peak
6	pp16504.960	17.74	38.91	54.15	46.80	49.30	68.20	-18.90	peak



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



Condition: 3m VERTICAL

Job No : 00519TL

Mode : 5240 TX RSE

: 5G Wi-Fi 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	7454.429	11.35	36.80	56.34	52.62	44.43	74.00 -29.57 peak
2	8489.882	12.24	38.32	55.46	51.32	46.42	74.00 -27.58 peak
3	9152.479	12.22	38.65	54.86	51.10	47.11	74.00 -26.89 peak
4	10480.000	13.64	39.08	53.81	47.56	46.47	68.20 -21.73 peak
5	15720.000	17.22	38.58	54.08	46.08	47.80	74.00 -26.20 peak
6	pp16648.690	17.62	39.30	54.19	46.60	49.33	68.20 -18.87 peak



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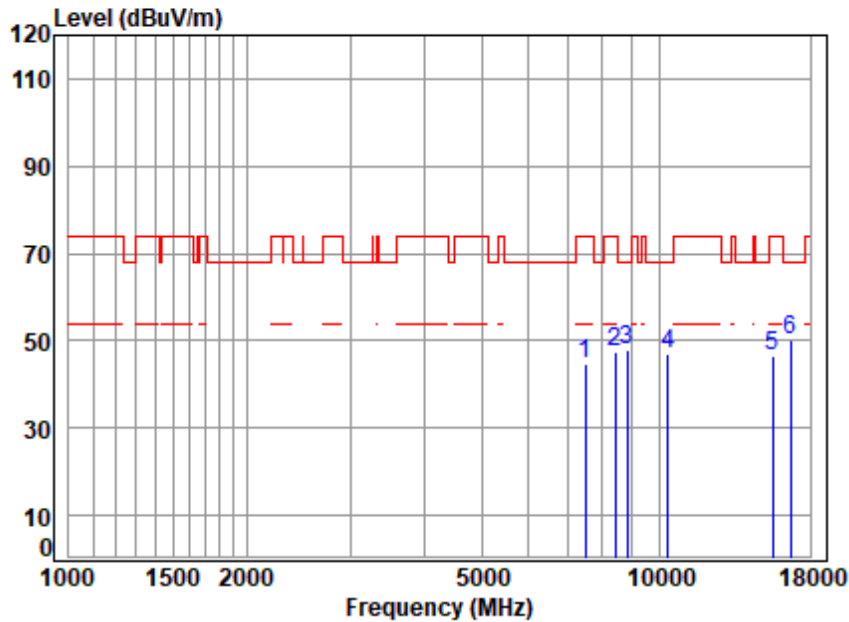
## SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250200051903

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Test Mode: 01; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:Low



Condition: 3m HORIZONTAL

Job No : 00519TL

Mode : 5180 TX RSE

: 5G Wi-Fi 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	7497.646	11.24	36.80	56.30	52.82	44.56	74.00	-29.44 peak
2	8416.584	11.74	38.53	55.53	52.67	47.41	74.00	-26.59 peak
3	8814.957	12.25	38.50	55.17	52.45	48.03	68.20	-20.17 peak
4	10360.000	13.60	39.00	53.88	48.45	47.17	68.20	-21.03 peak
5	15540.000	17.00	38.56	54.14	45.31	46.73	74.00	-27.27 peak
6	pp16696.880	17.59	39.39	54.21	47.27	50.04	68.20	-18.16 peak



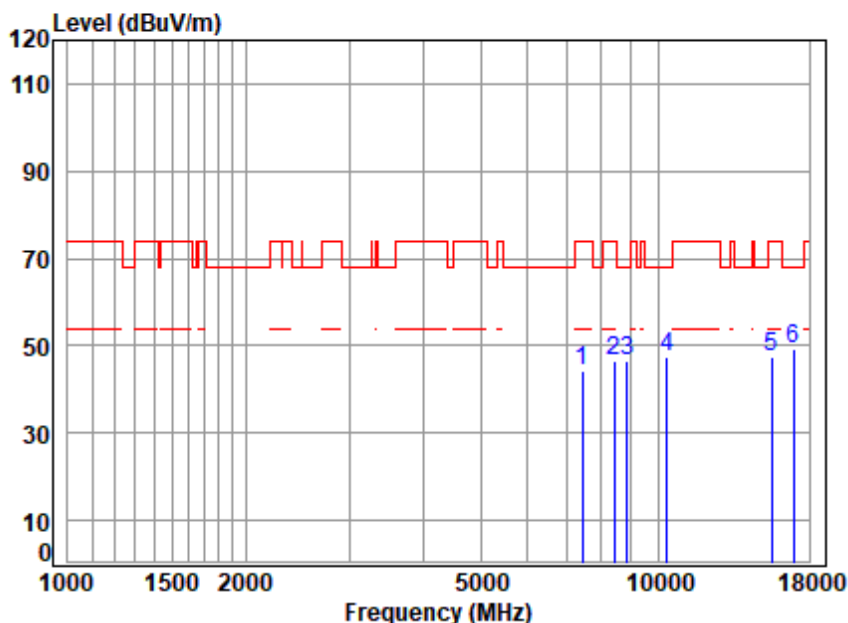
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Test Mode: 01; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:Low



Condition: 3m VERTICAL

Job No : 00519TL

Mode : 5180 TX RSE

: 5G Wi-Fi 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	7432.914	11.41	36.77	56.35	52.28	44.11	74.00	-29.89 peak
2	8416.584	11.74	38.53	55.53	51.65	46.39	74.00	-27.61 peak
3	8866.062	12.23	38.53	55.12	51.00	46.64	68.20	-21.56 peak
4	10360.000	13.60	39.00	53.88	48.63	47.35	68.20	-20.85 peak
5	15540.000	17.00	38.56	54.14	46.26	47.68	74.00	-26.32 peak
6	pp16939.940	18.14	39.64	54.28	45.66	49.16	68.20	-19.04 peak



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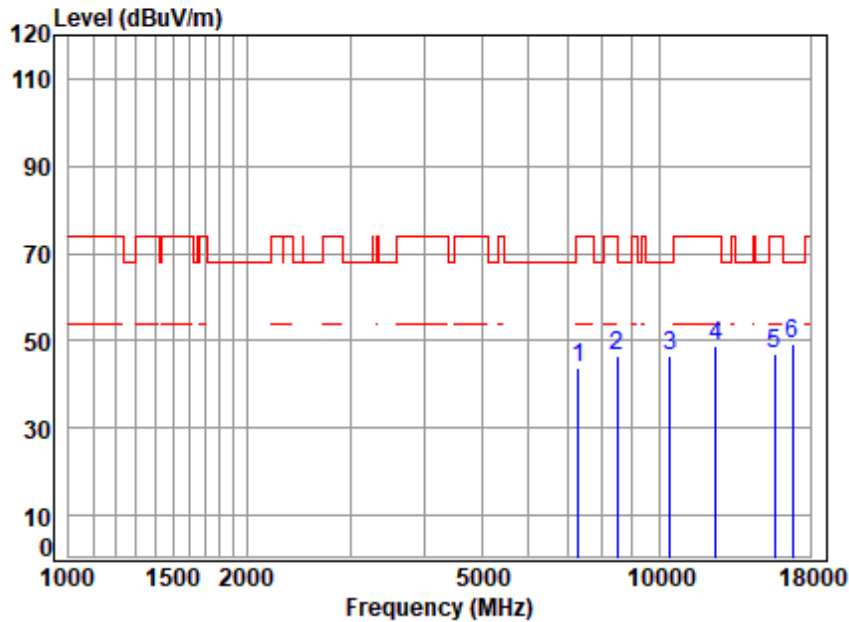
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SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250200051903

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Test Mode: 01; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:middle



Condition: 3m HORIZONTAL

Job No : 00519TL

Mode : 5220 TX RSE

: 5G Wi-Fi 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	7284.038	11.51	36.67	56.47	52.06	43.77	74.00	-30.23 peak
2	8489.882	12.24	38.32	55.46	51.49	46.59	74.00	-27.41 peak
3	10440.000	13.63	39.04	53.84	47.80	46.63	68.20	-21.57 peak
4	12469.610	15.43	39.90	54.13	47.70	48.90	74.00	-25.10 Peak
5	15660.000	17.23	38.56	54.10	45.45	47.14	74.00	-26.86 peak
6	pp16842.290	17.76	39.60	54.25	46.25	49.36	68.20	-18.84 peak



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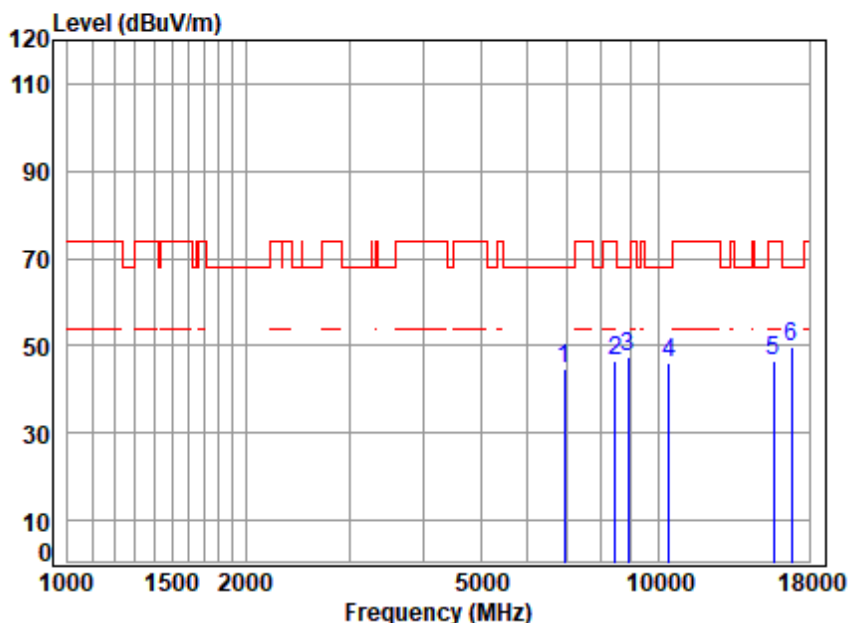
## SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250200051903

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Test Mode: 01; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:middle



Condition: 3m VERTICAL

Job No : 00519TL

Mode : 5220 TX RSE

: 5G Wi-Fi 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	6934.778	11.37	36.13	56.71	53.84	44.63	68.20	-23.57 peak
2	8465.379	12.07	38.37	55.48	51.59	46.55	74.00	-27.45 peak
3	8891.725	12.22	38.58	55.10	51.91	47.61	68.20	-20.59 peak
4	10440.000	13.63	39.04	53.84	47.26	46.09	68.20	-22.11 peak
5	15660.000	17.23	38.56	54.10	45.07	46.76	74.00	-27.24 peak
6	pp16842.290	17.76	39.60	54.25	46.52	49.63	68.20	-18.57 peak



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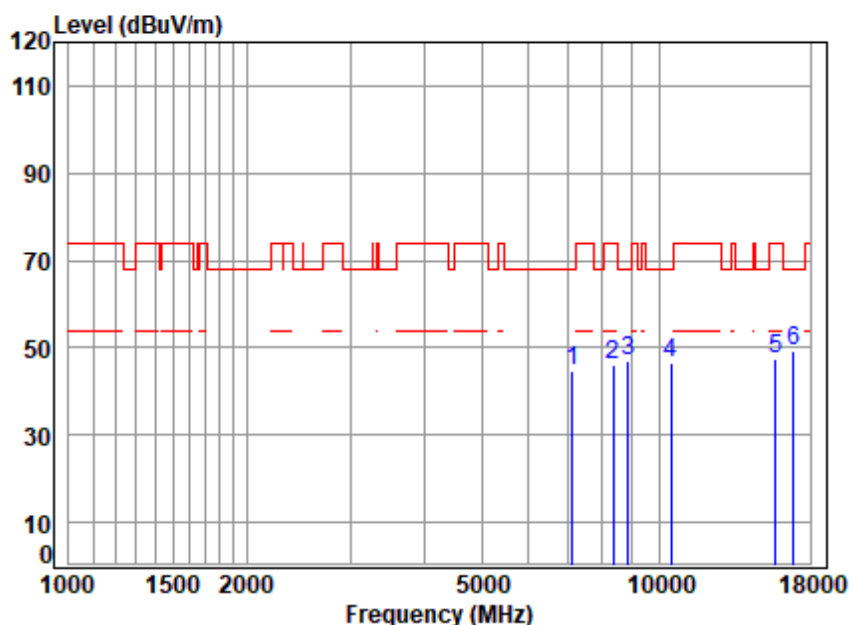
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SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250200051903

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Test Mode: 01; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:High



Condition: 3m HORIZONTAL

Job No : 00519TL

Mode : 5240 TX RSE

: 5G Wi-Fi 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	7138.144	11.81	36.48	56.59	53.13	44.83	68.20	-23.37 peak
2	8343.918	11.70	38.60	55.59	51.43	46.14	74.00	-27.86 peak
3	8866.062	12.23	38.53	55.12	51.44	47.08	68.20	-21.12 peak
4	10480.000	13.64	39.08	53.81	47.72	46.63	68.20	-21.57 peak
5	15720.000	17.22	38.58	54.08	45.70	47.42	74.00	-26.58 peak
6	pp16891.040	18.12	39.60	54.27	45.73	49.18	68.20	-19.02 peak



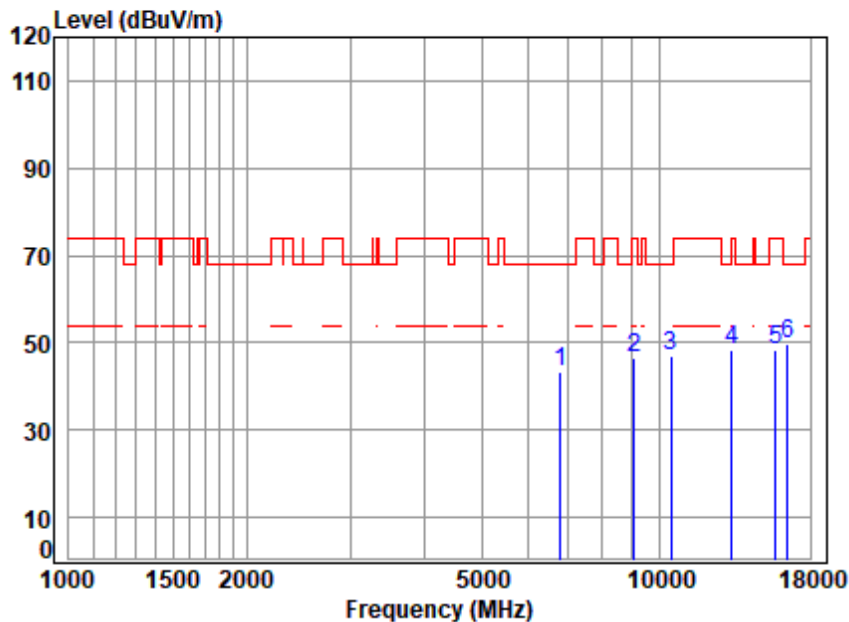
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Test Mode: 01; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:High



Condition: 3m VERTICAL

Job No : 00519TL

Mode : 5240 TX RSE

: 5G Wi-Fi 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	6795.879	11.37	35.88	56.74	52.77	43.28	68.20	-24.92 Peak
2	9073.460	12.13	38.60	54.93	50.63	46.43	74.00	-27.57 Peak
3	10480.000	13.64	39.08	53.81	47.98	46.89	68.20	-21.31 peak
4	13288.280	16.44	40.29	54.47	46.06	48.32	74.00	-25.68 Peak
5	15720.000	17.22	38.58	54.08	46.69	48.41	74.00	-25.59 peak
6	pp16457.320	17.49	38.86	54.14	47.36	49.57	68.20	-18.63 peak



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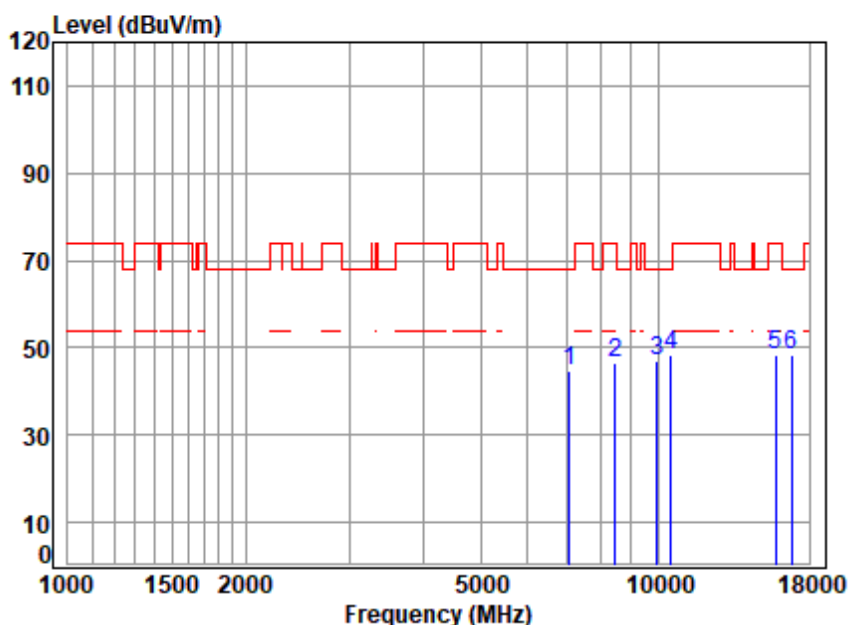
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SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250200051903

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



Condition: 3m HORIZONTAL

Job No : 00519TL

Mode : 5260 TX RSE

: 5G Wi-Fi 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	7076.516	11.84	36.35	56.64	53.33	44.88	68.20	-23.32 peak
2	8465.379	12.07	38.37	55.48	51.60	46.56	74.00	-27.44 peak
3	9952.717	12.91	38.90	54.14	49.36	47.03	68.20	-21.17 peak
4	10520.000	13.63	39.14	53.79	49.29	48.27	68.20	-19.93 peak
5	15780.000	17.08	38.52	54.07	47.02	48.55	74.00	-25.45 peak
6	pp16842.290	17.76	39.60	54.25	45.33	48.44	68.20	-19.76 peak



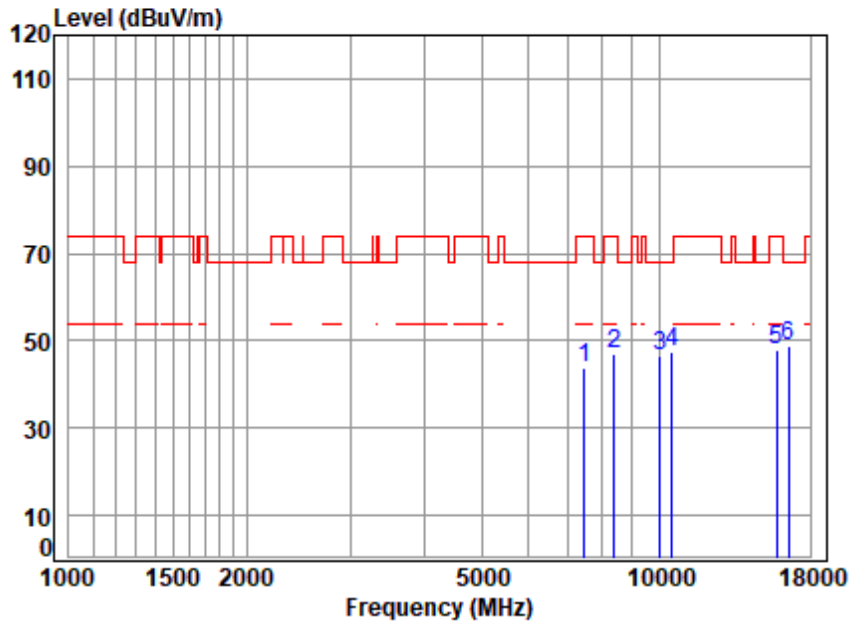
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Test Mode: 02; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Condition: 3m VERTICAL

Job No : 00519TL

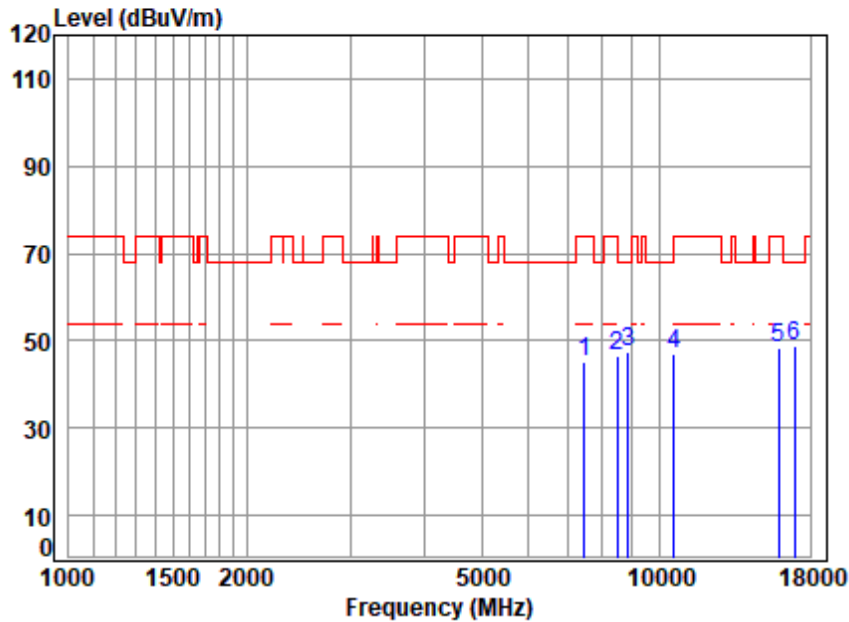
Mode : 5260 TX RSE

: 5G Wi-Fi 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	7476.006	11.29	36.80	56.32	52.14	43.91	74.00	-30.09 peak
2	8392.292	11.64	38.62	55.55	52.06	46.77	74.00	-27.23 peak
3	10010.420	13.04	38.92	54.09	48.52	46.39	68.20	-21.81 peak
4	10520.000	13.63	39.14	53.79	48.25	47.23	68.20	-20.97 peak
5	15780.000	17.08	38.52	54.07	46.39	47.92	74.00	-26.08 peak
6	pp16552.730	17.69	39.06	54.17	46.07	48.65	68.20	-19.55 peak



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



Condition: 3m HORIZONTAL

Job No : 00519TL

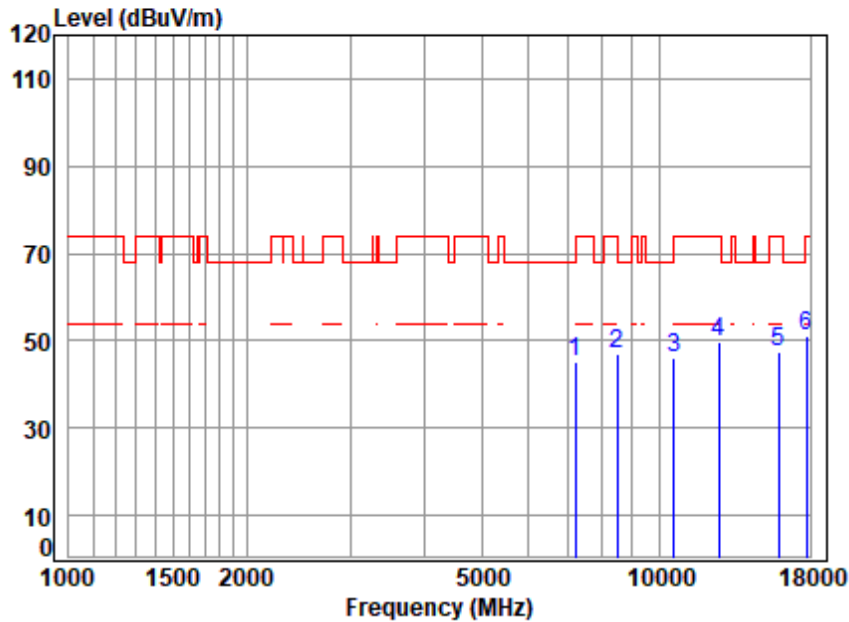
Mode : 5300 TX RSE

: 5G Wi-Fi 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	7454.429	11.35	36.80	56.34	53.25	45.06	74.00 -28.94 peak
2	8489.882	12.24	38.32	55.46	51.47	46.57	74.00 -27.43 peak
3	8840.473	12.24	38.50	55.14	51.95	47.55	68.20 -20.65 peak
4	10600.000	13.59	39.30	53.74	47.94	47.09	68.20 -21.11 peak
5	15900.000	17.28	38.70	54.03	46.62	48.57	74.00 -25.43 peak
6	pp16939.940	18.14	39.64	54.28	45.21	48.71	68.20 -19.49 peak



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



Condition: 3m VERTICAL

Job No : 00519TL

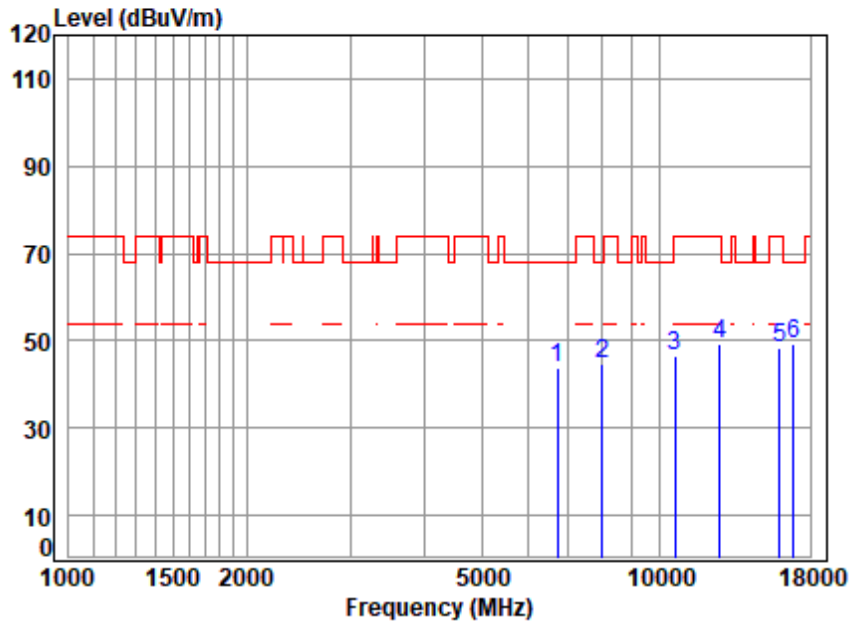
Mode : 5300 TX RSE

: 5G Wi-Fi 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	7200.309	11.52	36.60	56.54	53.64	45.22	68.20	-22.98 peak
2	8489.882	12.24	38.32	55.46	51.89	46.99	74.00	-27.01 peak
3	pp10600.000	13.59	39.30	53.74	47.11	46.26	68.20	-21.94 peak
4	12614.610	14.98	40.11	54.23	48.70	49.56	74.00	-24.44 Peak
5	15900.000	17.28	38.70	54.03	45.36	47.31	74.00	-26.69 peak
6	17741.740	18.87	42.09	54.45	44.64	51.15	74.00	-22.85 Peak



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



Condition: 3m HORIZONTAL

Job No : 00519TL

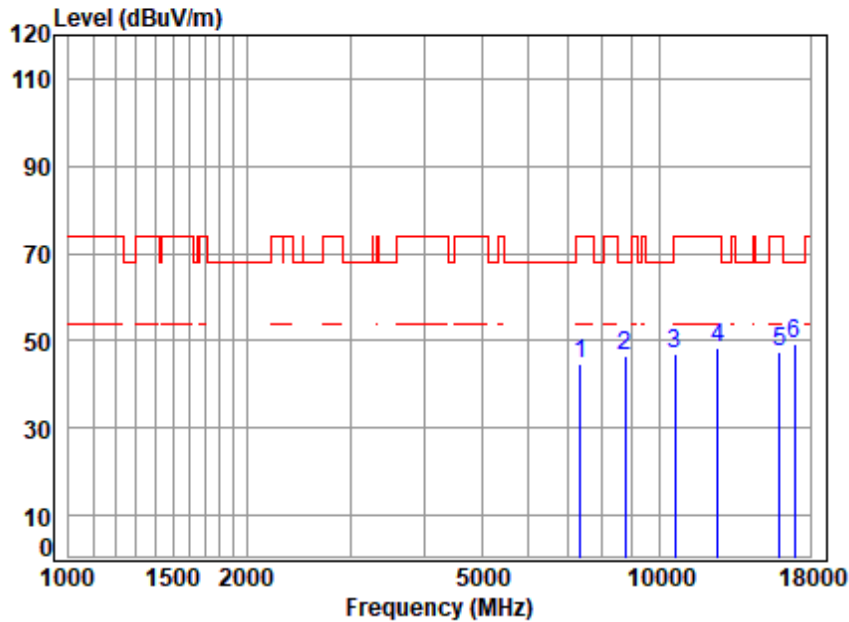
Mode : 5320 TX RSE

: 5G Wi-Fi 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	6717.762	11.40	35.51	56.76	53.79	43.94	68.20	-24.26 Peak
2	8013.020	11.55	37.80	55.89	51.41	44.87	68.20	-23.33 Peak
3	10640.000	13.77	39.34	53.72	47.15	46.54	74.00	-27.46 peak
4	12651.130	15.23	40.15	54.26	48.03	49.15	74.00	-24.85 Peak
5	15960.000	17.20	38.64	54.01	46.70	48.53	74.00	-25.47 peak
6	pp16891.040	18.12	39.60	54.27	45.63	49.08	68.20	-19.12 peak



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



Condition: 3m VERTICAL

Job No : 00519TL

Mode : 5320 TX RSE

: 5G Wi-Fi 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	7347.474	11.51	36.79	56.42	53.03	44.91	74.00	-29.09 peak
2	8738.852	12.15	38.52	55.24	51.18	46.61	68.20	-21.59 peak
3	10640.000	13.77	39.34	53.72	47.41	46.80	74.00	-27.20 peak
4	12541.900	15.23	39.98	54.18	47.45	48.48	74.00	-25.52 Peak
5	15960.000	17.20	38.64	54.01	45.74	47.57	74.00	-26.43 peak
6	pp16939.940	18.14	39.64	54.28	45.78	49.28	68.20	-18.92 peak



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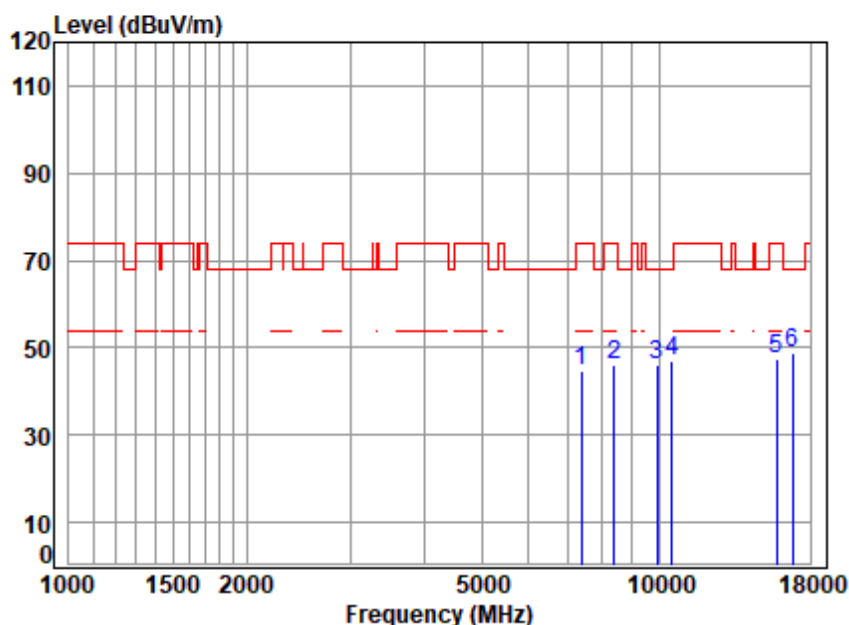
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SZEMC-TRF-01 Rev. A/1

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Test Mode: 02; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:Low



Condition: 3m HORIZONTAL

Job No : 00519TL

Mode : 5260 TX RSE

: 5G Wi-Fi 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	7368.741	11.50	36.76	56.41	52.66	44.51	74.00	-29.49 peak
2	8392.292	11.64	38.62	55.55	51.15	45.86	74.00	-28.14 peak
3	9923.991	12.85	38.90	54.17	48.64	46.22	68.20	-21.98 peak
4	10520.000	13.63	39.14	53.79	48.04	47.02	68.20	-21.18 peak
5	15780.000	17.08	38.52	54.07	45.75	47.28	74.00	-26.72 peak
6	pp16842.290	17.76	39.60	54.25	45.85	48.96	68.20	-19.24 peak



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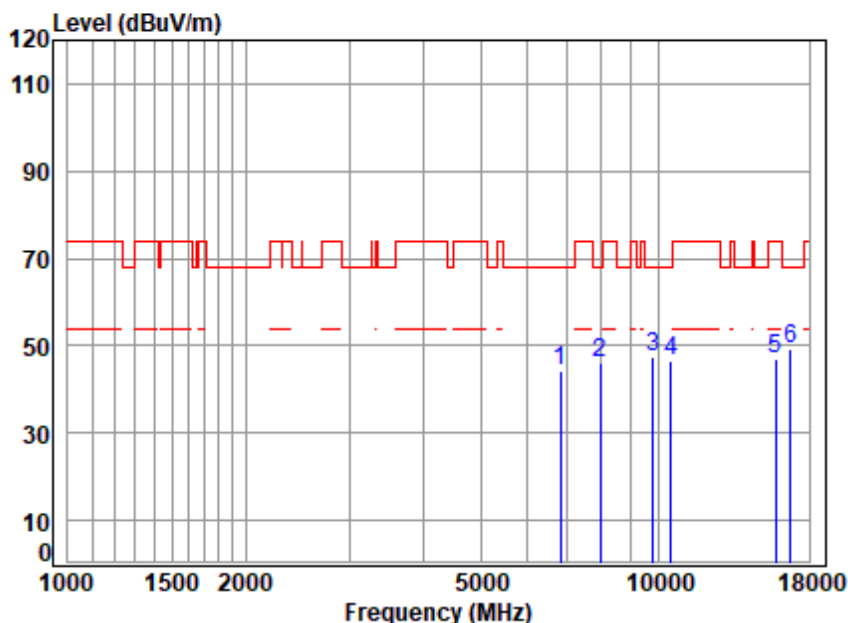
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SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250200051903

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Test Mode: 02; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:Low



Condition: 3m VERTICAL

Job No : 00519TL

Mode : 5260 TX RSE

: 5G Wi-Fi 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	6815.551	11.37	35.93	56.74	53.51	44.07	68.20	-24.13 peak
2	7989.893	11.56	37.78	55.91	52.70	46.13	68.20	-22.07 peak
3	9781.603	13.02	38.60	54.30	50.26	47.58	68.20	-20.62 peak
4	10520.000	13.63	39.14	53.79	47.76	46.74	68.20	-21.46 peak
5	15780.000	17.08	38.52	54.07	45.34	46.87	74.00	-27.13 peak
6	pp16745.210	17.53	39.49	54.22	46.57	49.37	68.20	-18.83 peak



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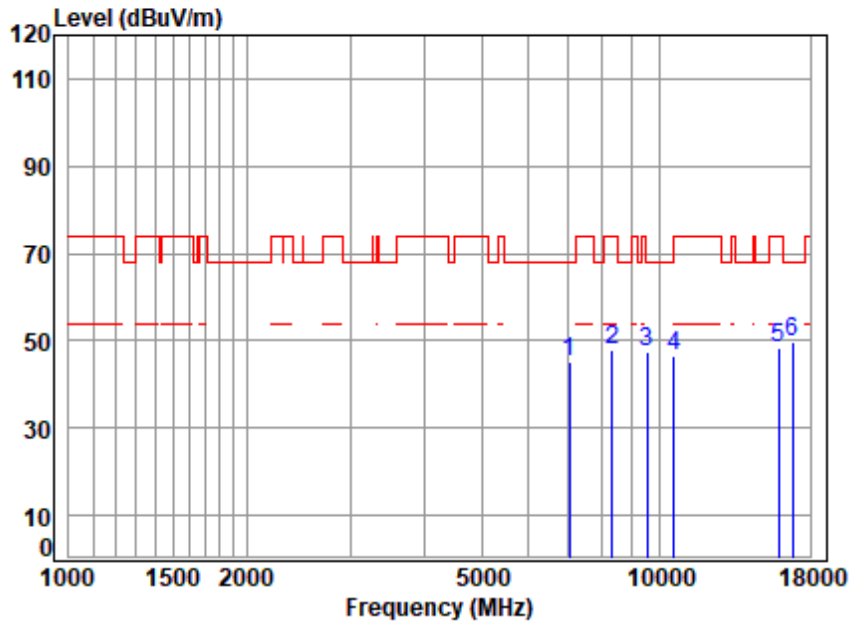
## SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250200051903

Page: 48 of 496

Test Mode: 02; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:middle



Condition: 3m HORIZONTAL

Job No : 00519TL

Mode : 5300 TX RSE

: 5G Wi-Fi 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	7056.092	11.72	36.31	56.66	53.58	44.95	68.20	-23.25 peak
2	8319.836	11.73	38.22	55.61	53.60	47.94	74.00	-26.06 peak
3	9530.432	12.52	38.84	54.52	50.43	47.27	68.20	-20.93 peak
4	10600.000	13.59	39.30	53.74	47.52	46.67	68.20	-21.53 peak
5	15900.000	17.28	38.70	54.03	46.59	48.54	74.00	-25.46 peak
6	pp16842.290	17.76	39.60	54.25	46.68	49.79	68.20	-18.41 peak



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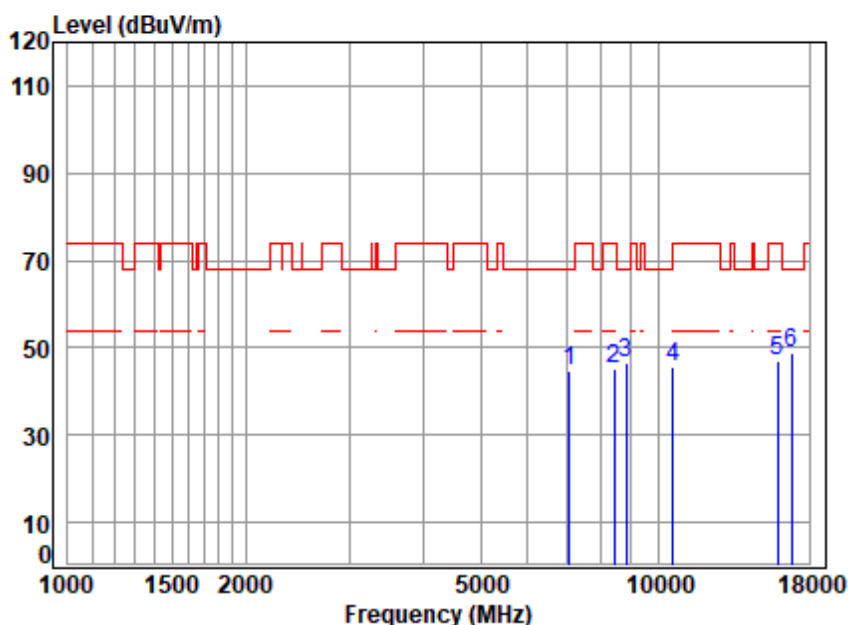
## SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250200051903

Page: 49 of 496

Test Mode: 02; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:middle



Condition: 3m VERTICAL

Job No : 00519TL

Mode : 5300 TX RSE

: 5G Wi-Fi 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	7076.516	11.84	36.35	56.64	53.23	44.78	68.20	-23.42 peak
2	8416.584	11.74	38.53	55.53	50.49	45.23	74.00	-28.77 peak
3	8814.957	12.25	38.50	55.17	51.11	46.69	68.20	-21.51 peak
4	10600.000	13.59	39.30	53.74	46.60	45.75	68.20	-22.45 peak
5	15900.000	17.28	38.70	54.03	45.10	47.05	74.00	-26.95 peak
6	pp16842.290	17.76	39.60	54.25	45.50	48.61	68.20	-19.59 peak



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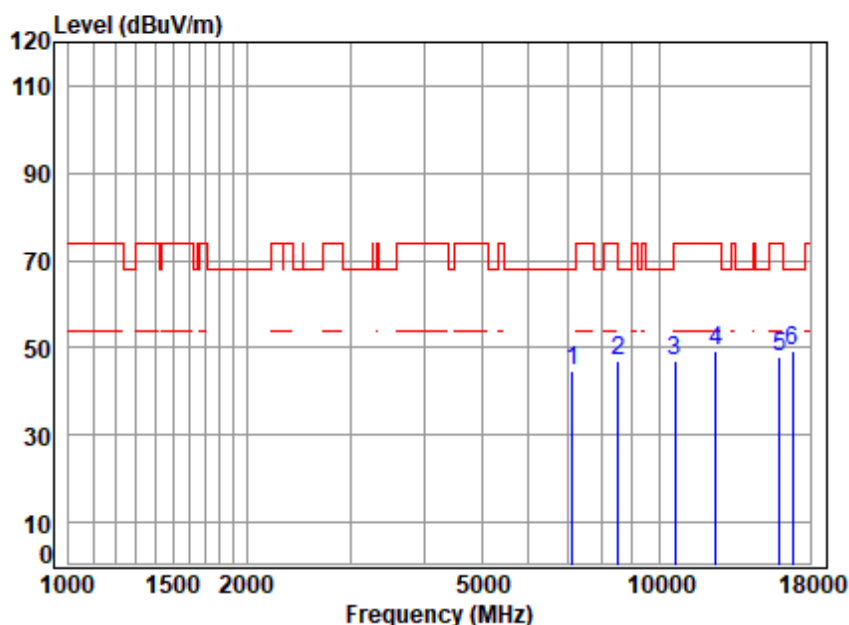
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SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250200051903

Page: 50 of 496

Test Mode: 02; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:High



Condition: 3m HORIZONTAL

Job No : 00519TL

Mode : 5320 TX RSE

: 5G Wi-Fi 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	7138.144	11.81	36.48	56.59	53.00	44.70	68.20	-23.50 peak
2	8514.456	12.26	38.30	55.44	52.01	47.13	68.20	-21.07 peak
3	10640.000	13.77	39.34	53.72	47.52	46.91	74.00	-27.09 peak
4	12469.610	15.43	39.90	54.13	48.09	49.29	74.00	-24.71 Peak
5	15960.000	17.20	38.64	54.01	46.25	48.08	74.00	-25.92 peak
6	pp16793.680	17.47	39.59	54.24	46.44	49.26	68.20	-18.94 peak



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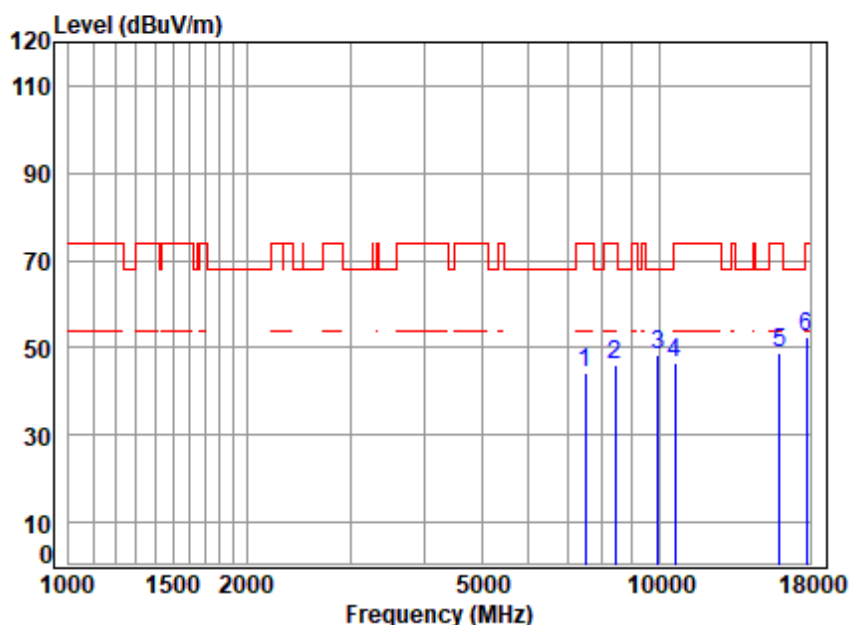
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SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250200051903

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Test Mode: 02; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:High



Condition: 3m VERTICAL

Job No : 00519TL

Mode : 5320 TX RSE

: 5G Wi-Fi 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	7497.646	11.24	36.80	56.30	52.59	44.33	74.00	-29.67	peak
2	8416.584	11.74	38.53	55.53	51.50	46.24	74.00	-27.76	peak
3 pp	9952.717	12.91	38.90	54.14	50.92	48.59	68.20	-19.61	peak
4	10640.000	13.77	39.34	53.72	47.02	46.41	74.00	-27.59	peak
5	15960.000	17.20	38.64	54.01	47.09	48.92	74.00	-25.08	peak
6	17741.740	18.87	42.09	54.45	45.96	52.47	74.00	-21.53	Peak



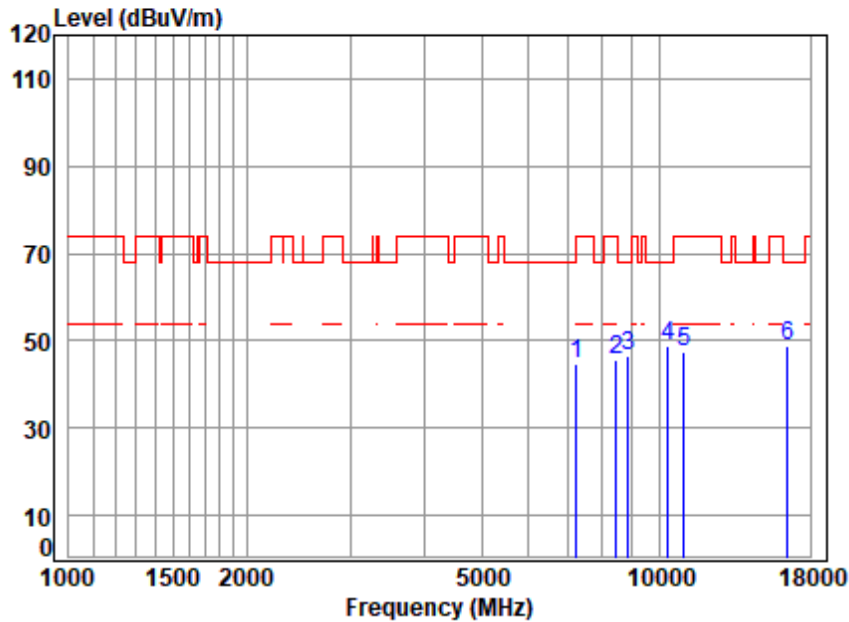
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Test Mode: 03; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Condition: 3m HORIZONTAL

Job No : 00519TL

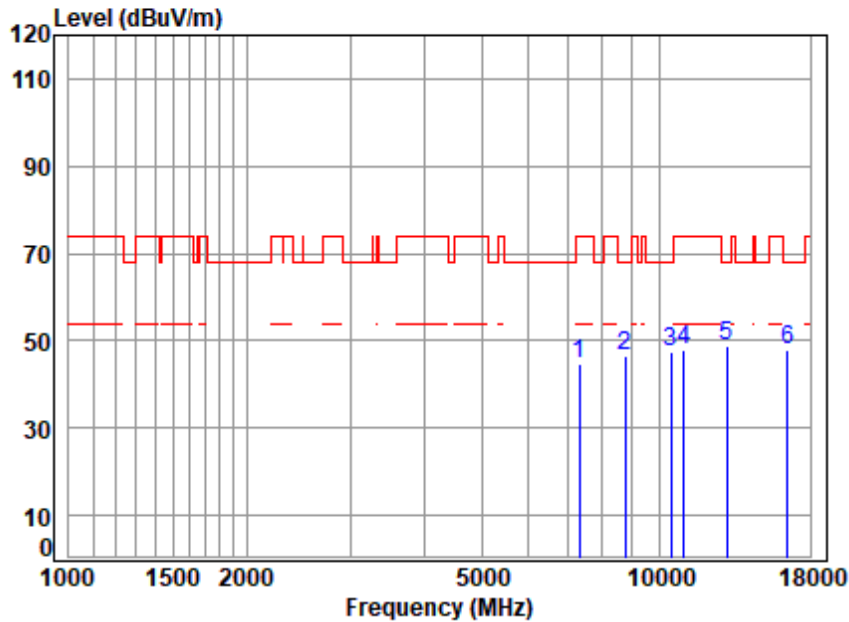
Mode : 5500 TX RSE

: 5G Wi-Fi 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	7242.052	11.52	36.60	56.51	52.93	44.54	68.20	-23.66 peak
2	8465.379	12.07	38.37	55.48	50.48	45.44	74.00	-28.56 peak
3	8840.473	12.24	38.50	55.14	51.13	46.73	68.20	-21.47 peak
4	10363.710	13.61	39.00	53.88	50.01	48.74	68.20	-19.46 peak
5	11000.000	14.17	39.40	53.50	47.16	47.23	74.00	-26.77 peak
6	pp16500.000	17.74	38.90	54.15	46.54	49.03	68.20	-19.17 peak



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



Condition: 3m VERTICAL

Job No : 00519TL

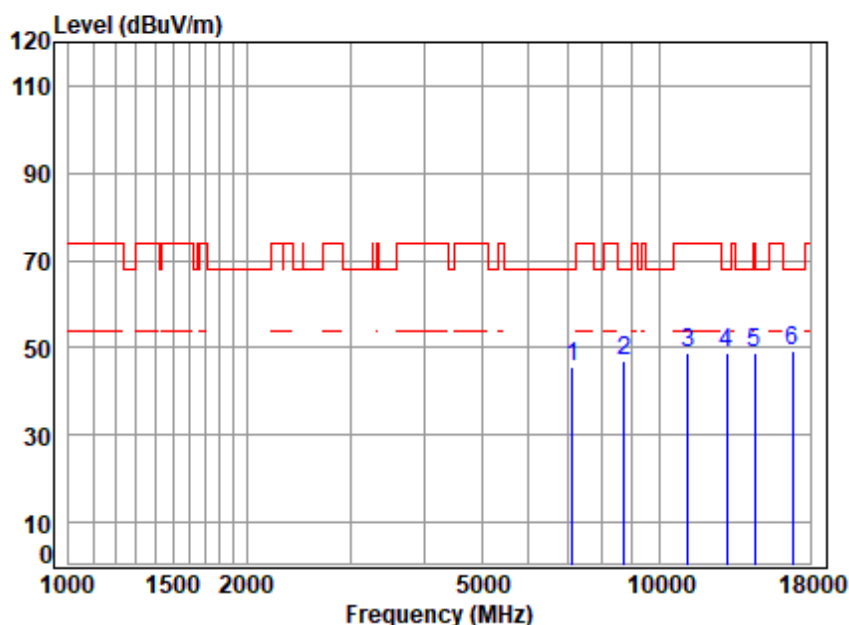
Mode : 5500 TX RSE

: 5G Wi-Fi 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	7326.267	11.51	36.75	56.44	53.04	44.86	74.00 -29.14 peak
2	8764.146	12.19	38.50	55.21	51.27	46.75	68.20 -21.45 peak
3	10453.970	13.63	39.05	53.83	48.67	47.52	68.20 -20.68 peak
4	11000.000	14.17	39.40	53.50	47.85	47.92	74.00 -26.08 peak
5	pp12984.540	15.88	40.32	54.49	47.09	48.80	68.20 -19.40 Peak
6	16500.000	17.74	38.90	54.15	45.20	47.69	68.20 -20.51 peak



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



Condition: 3m HORIZONTAL

Job No : 00519TL

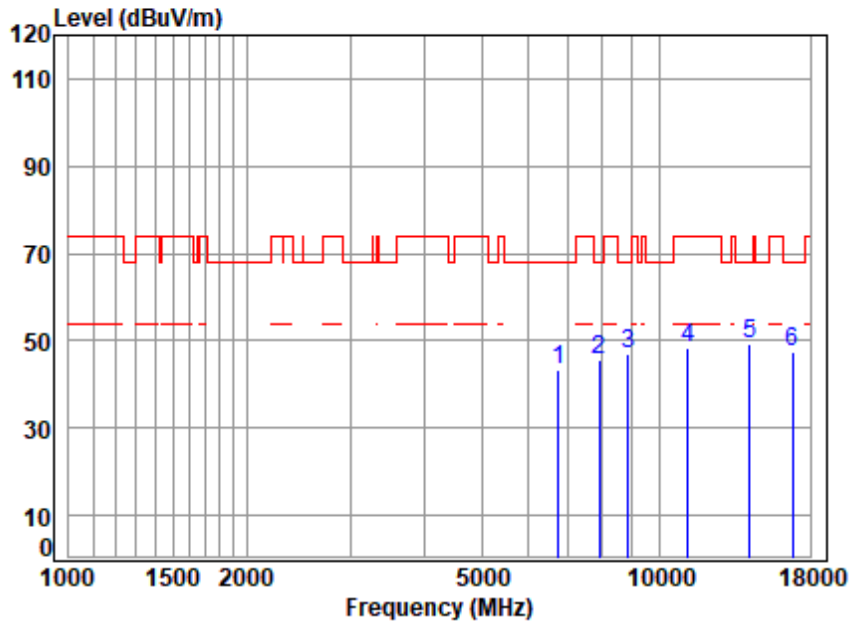
Mode : 5600 TX RSE

: 5G Wi-Fi 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	7117.542	11.91	36.44	56.61	53.86	45.60	68.20 -22.60 Peak
2	8713.630	12.11	38.57	55.26	51.71	47.13	68.20 -21.07 peak
3	11200.000	14.76	39.60	53.56	48.17	48.97	74.00 -25.03 peak
4	13022.130	15.82	40.30	54.50	47.28	48.90	68.20 -19.30 Peak
5	14491.960	17.07	39.51	54.35	46.76	48.99	74.00 -25.01 Peak
6	pp16800.000	17.46	39.60	54.24	46.31	49.13	68.20 -19.07 peak



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



Condition: 3m VERTICAL

Job No : 00519TL

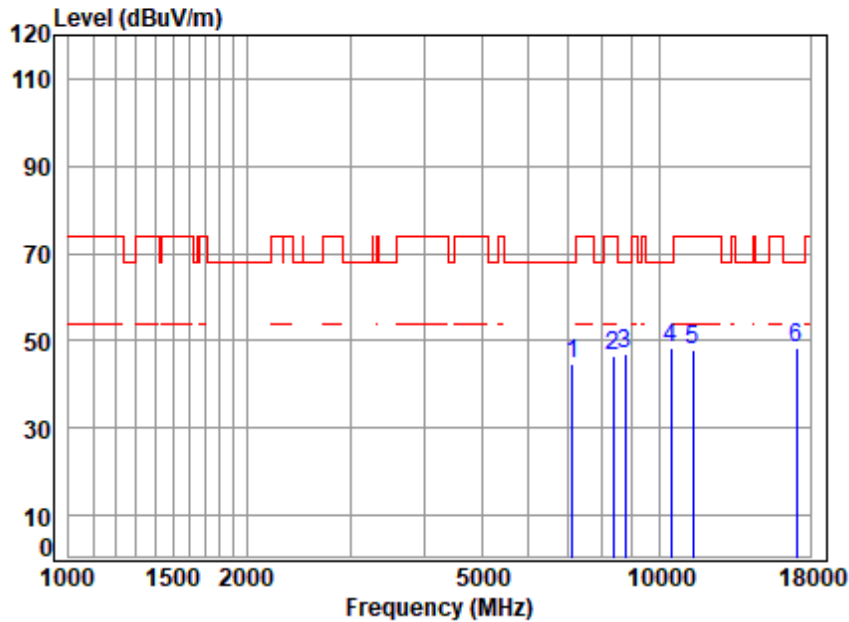
Mode : 5600 TX RSE

: 5G Wi-Fi 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	6756.708	11.39	35.73	56.75	53.08	43.45	68.20	-24.75 Peak
2	7898.049	11.54	37.59	55.98	52.39	45.54	68.20	-22.66 Peak
3	8866.062	12.23	38.53	55.12	51.40	47.04	68.20	-21.16 peak
4	11200.000	14.76	39.60	53.56	47.44	48.24	74.00	-25.76 peak
5	pp14201.690	15.93	39.80	54.38	47.95	49.30	68.20	-18.90 Peak
6	16800.000	17.46	39.60	54.24	44.81	47.63	68.20	-20.57 peak



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



Condition: 3m HORIZONTAL

Job No : 00519TL

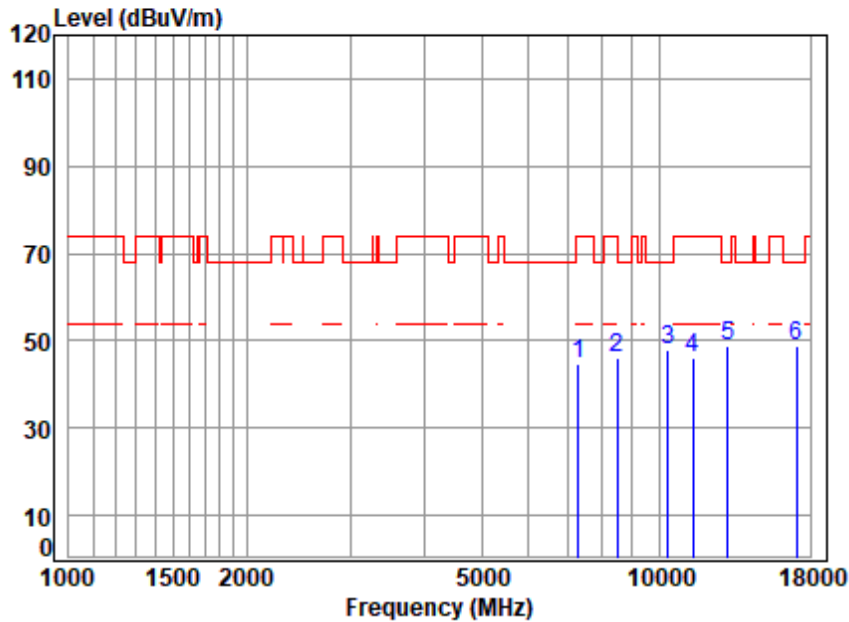
Mode : 5700 TX RSE

: 5G Wi-Fi 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	7117.542	11.91	36.44	56.61	52.89	44.63	68.20	-23.57 peak
2	8368.069	11.67	38.66	55.57	51.57	46.33	74.00	-27.67 peak
3	8764.146	12.19	38.50	55.21	51.29	46.77	68.20	-21.43 peak
4	10453.970	13.63	39.05	53.83	49.31	48.16	68.20	-20.04 peak
5	11400.000	14.21	39.70	53.62	47.69	47.98	74.00	-26.02 peak
6	pp17100.000	18.47	39.80	54.32	44.28	48.23	68.20	-19.97 peak



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



Condition: 3m VERTICAL

Job No : 00519TL

Mode : 5700 TX RSE

: 5G Wi-Fi 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	7305.122	11.51	36.71	56.46	52.89	44.65	74.00	-29.35 peak
2	8489.882	12.24	38.32	55.46	50.76	45.86	74.00	-28.14 peak
3	10333.800	13.59	39.00	53.90	49.23	47.92	68.20	-20.28 peak
4	11400.000	14.21	39.70	53.62	45.77	46.06	74.00	-27.94 peak
5	pp13059.820	15.70	40.30	54.49	47.39	48.90	68.20	-19.30 Peak
6	17100.000	18.47	39.80	54.32	44.73	48.68	68.20	-19.52 peak



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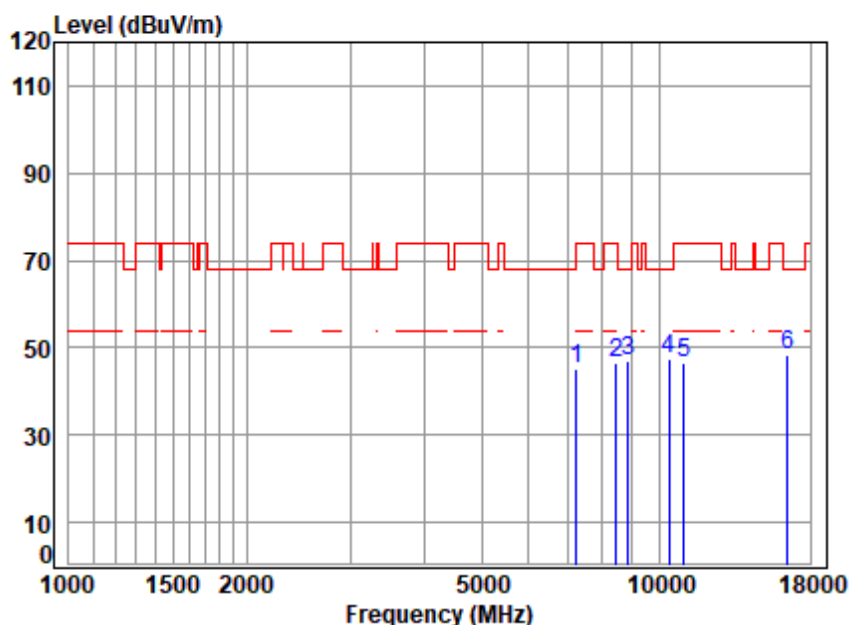
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SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250200051903

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Test Mode: 03; Polarity: Horizontal; Modulation: 802.11ax(Full RU0); Bandwidth: 20MHz; Channel: Low



Condition: 3m HORIZONTAL

Job No : 00519TL

Mode : 5500 TX RSE

: 5G Wi-Fi 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	7242.052	11.52	36.60	56.51	53.37	44.98	68.20	-23.22 peak
2	8465.379	12.07	38.37	55.48	51.68	46.64	74.00	-27.36 peak
3	8866.062	12.23	38.53	55.12	51.41	47.05	68.20	-21.15 peak
4	10393.710	13.62	39.00	53.86	48.73	47.49	68.20	-20.71 peak
5	11000.000	14.17	39.40	53.50	46.68	46.75	74.00	-27.25 peak
6	pp16500.000	17.74	38.90	54.15	46.08	48.57	68.20	-19.63 peak



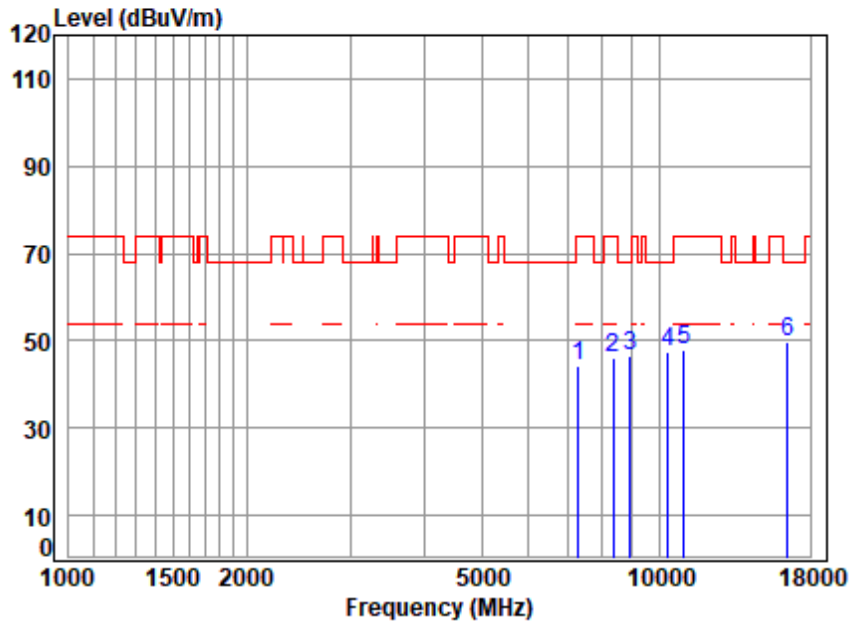
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Test Mode: 03; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:Low



Condition: 3m VERTICAL

Job No : 00519TL

Mode : 5500 TX RSE

: 5G Wi-Fi 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	7284.038	11.51	36.67	56.47	52.72	44.43	74.00	-29.57 peak
2	8343.918	11.70	38.60	55.59	51.20	45.91	74.00	-28.09 peak
3	8917.462	12.21	38.57	55.07	50.99	46.70	68.20	-21.50 peak
4	10363.710	13.61	39.00	53.88	48.77	47.50	68.20	-20.70 peak
5	11000.000	14.17	39.40	53.50	47.78	47.85	74.00	-26.15 peak
6	pp16500.000	17.74	38.90	54.15	47.22	49.71	68.20	-18.49 peak



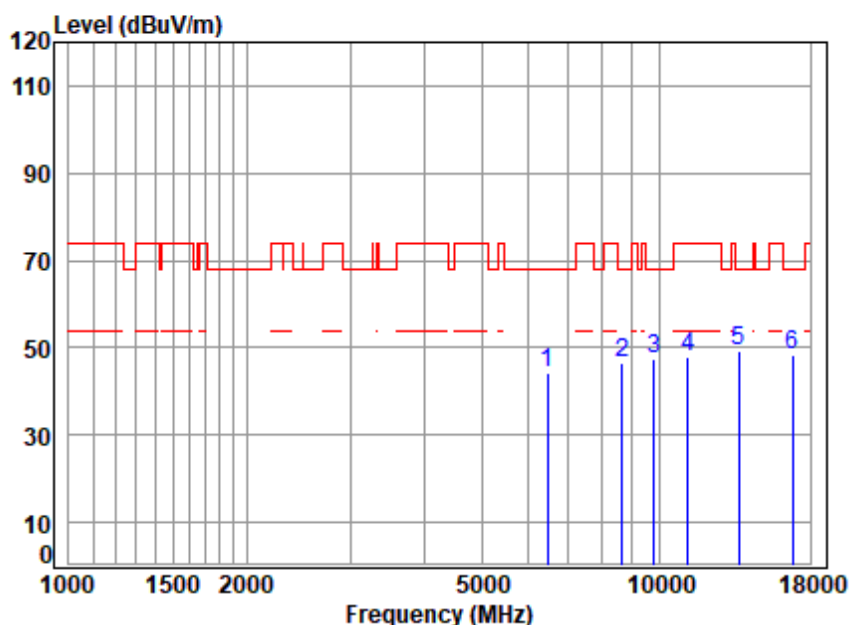
## SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250200051903

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Test Mode: 03; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:middle



Condition: 3m HORIZONTAL

Job No : 00519TL

Mode : 5600 TX RSE

: 5G Wi-Fi 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	6470.026	12.17	34.84	56.81	53.86	44.06	68.20	-24.14 Peak
2	8663.404	12.04	38.45	55.30	51.47	46.66	68.20	-21.54 peak
3	9781.603	13.02	38.60	54.30	50.04	47.36	68.20	-20.84 Peak
4	11200.000	14.76	39.60	53.56	47.04	47.84	74.00	-26.16 peak
5	pp13638.490	16.01	40.00	54.44	47.70	49.27	68.20	-18.93 Peak
6	16800.000	17.46	39.60	54.24	45.57	48.39	68.20	-19.81 peak



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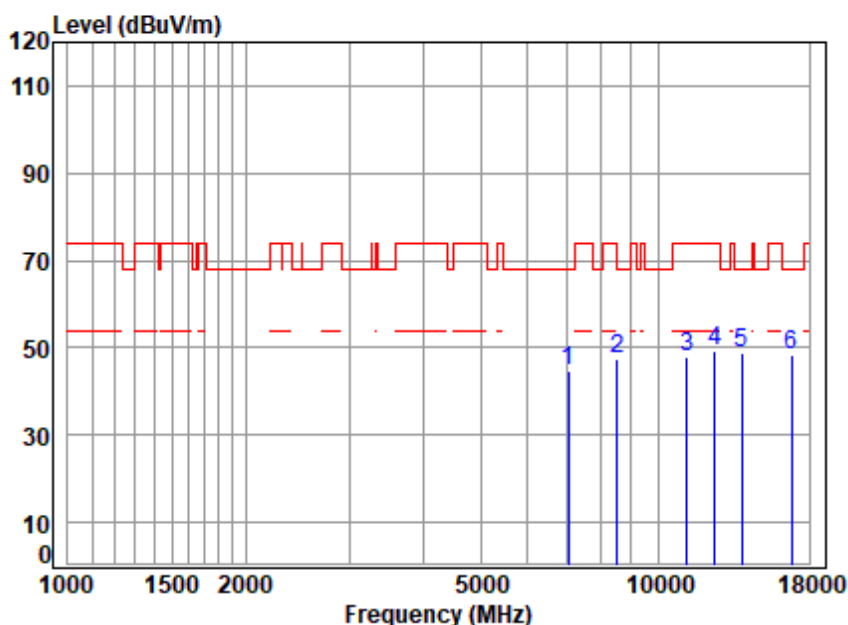
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SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250200051903

Page: 61 of 496

Test Mode: 03; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:middle



Condition: 3m VERTICAL

Job No : 00519TL

Mode : 5600 TX RSE

: 5G Wi-Fi 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	7056.092	11.72	36.31	56.66	53.36	44.73	68.20	-23.47 Peak
2	8514.456	12.26	38.30	55.44	52.15	47.27	68.20	-20.93 Peak
3	11200.000	14.76	39.60	53.56	47.29	48.09	74.00	-25.91 peak
4	12469.610	15.43	39.90	54.13	47.89	49.09	74.00	-24.91 Peak
5	pp13837.020	15.95	39.90	54.42	47.31	48.74	68.20	-19.46 Peak
6	16800.000	17.46	39.60	54.24	45.62	48.44	68.20	-19.76 peak



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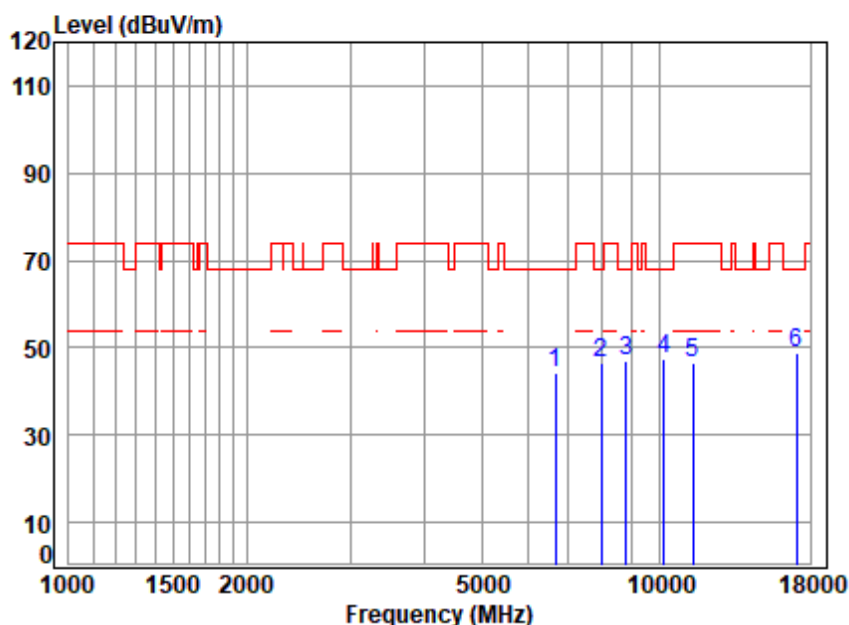
## SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250200051903

Page: 62 of 496

Test Mode: 03; Polarity: Horizontal; Modulation: 802.11ax(Full RU0); Bandwidth: 20MHz; Channel: High



Condition: 3m HORIZONTAL

Job No : 00519TL

Mode : 5700 TX RSE

: 5G Wi-Fi 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	6659.763	11.49	35.48	56.77	54.09	44.29	68.20	-23.91 peak
2	7989.893	11.56	37.78	55.91	53.20	46.63	68.20	-21.57 peak
3	8789.516	12.23	38.50	55.19	51.31	46.85	68.20	-21.35 peak
4	10185.530	13.12	39.10	53.99	49.44	47.67	68.20	-20.53 peak
5	11400.000	14.21	39.70	53.62	46.15	46.44	74.00	-27.56 peak
6	pp17100.000	18.47	39.80	54.32	44.67	48.62	68.20	-19.58 peak



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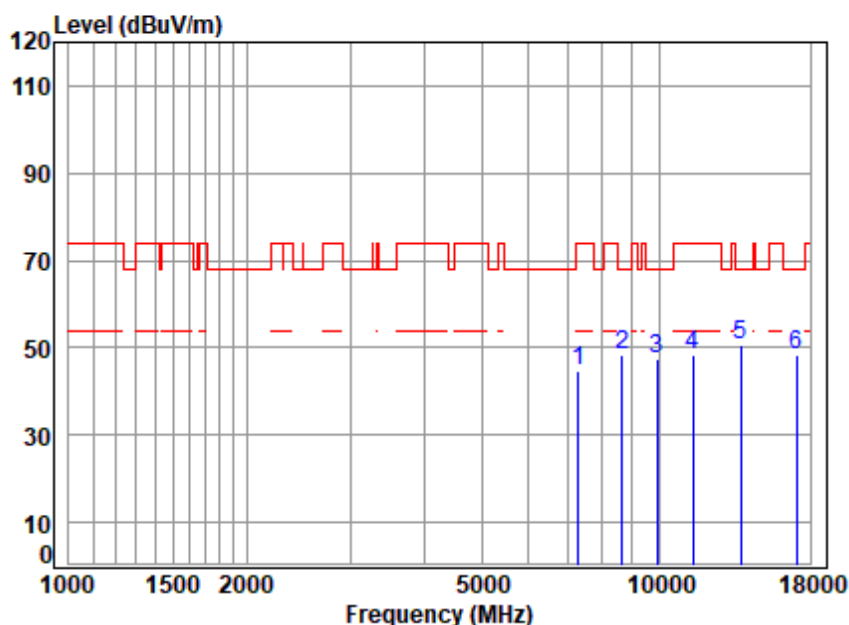
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SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250200051903

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Test Mode: 03; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:High



Condition: 3m VERTICAL

Job No : 00519TL

Mode : 5700 TX RSE

: 5G Wi-Fi 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	7284.038	11.51	36.67	56.47	52.98	44.69	74.00	-29.31 peak
2	8663.404	12.04	38.45	55.30	52.98	48.17	68.20	-20.03 peak
3	9895.349	12.81	38.80	54.19	50.24	47.66	68.20	-20.54 peak
4	11400.000	14.21	39.70	53.62	48.17	48.46	74.00	-25.54 peak
5	pp13717.560	16.33	39.98	54.43	48.57	50.45	68.20	-17.75 Peak
6	17100.000	18.47	39.80	54.32	44.36	48.31	68.20	-19.89 peak



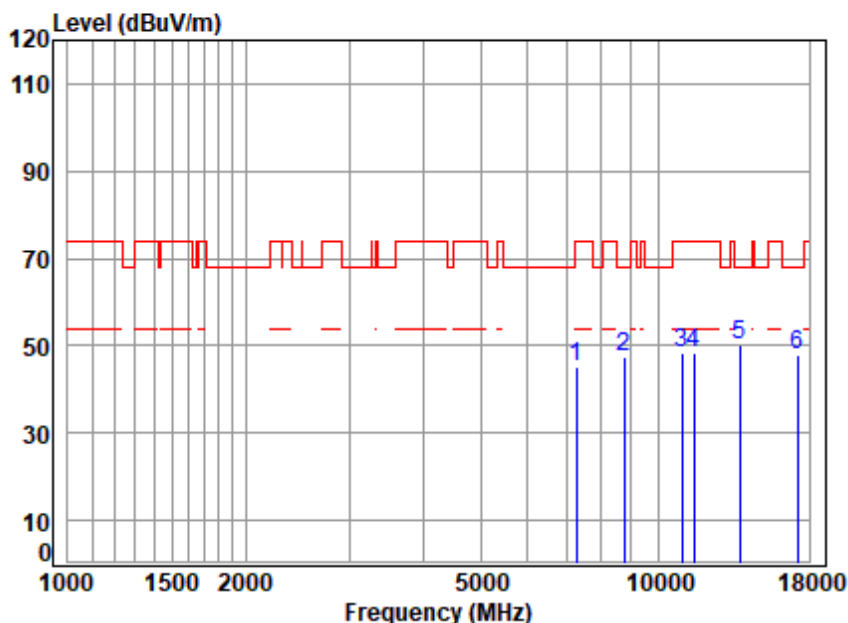
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Test Mode: 04; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Condition: 3m HORIZONTAL

Job No : 00519TL

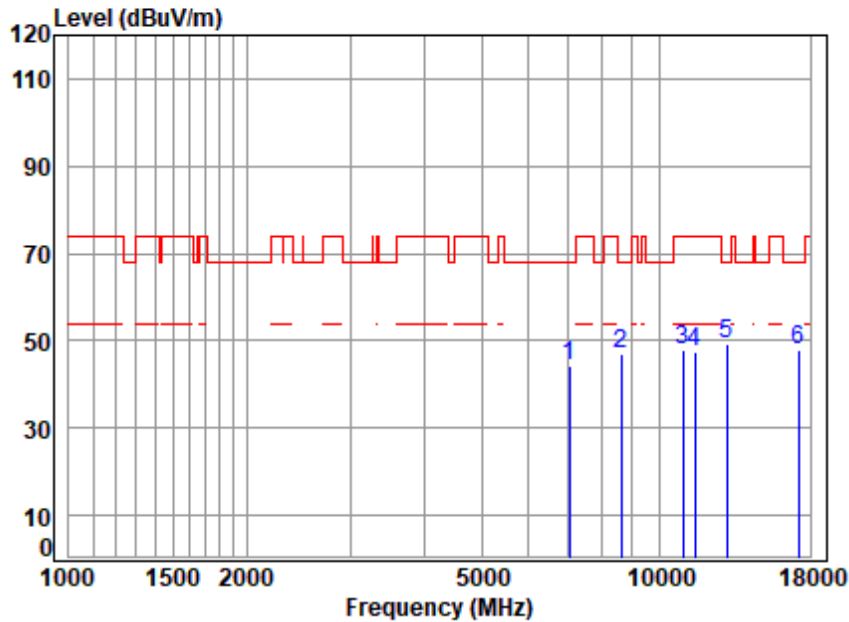
Mode : 5745 TX RSE

: 5.8G Wi-Fi 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	7263.015	11.51	36.63	56.49	53.31	44.96	74.00	-29.04	peak
2	8738.852	12.15	38.52	55.24	51.79	47.22	68.20	-20.98	peak
3	10948.780	14.06	39.35	53.53	48.68	48.56	74.00	-25.44	peak
4	11490.000	14.97	39.61	53.65	47.64	48.57	74.00	-25.43	peak
5	pp13717.560	16.33	39.98	54.43	48.14	50.02	68.20	-18.18	Peak
6	17235.000	17.83	40.01	54.35	44.32	47.81	68.20	-20.39	peak



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



Condition: 3m VERTICAL

Job No : 00519TL

Mode : 5745 TX RSE

: 5.8G Wi-Fi 11a

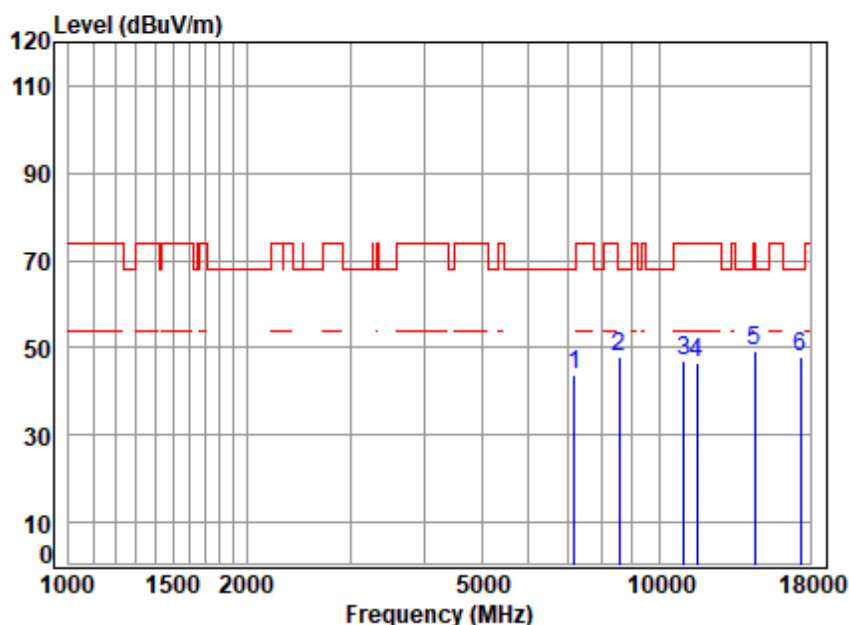
	Cable	Ant	Preamp	Read		Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	7035.727	11.59	36.27	56.67	52.93	44.12	68.20	-24.08 Peak
2	8613.468	11.98	38.47	55.35	52.12	47.22	68.20	-20.98 peak
3	10948.780	14.06	39.35	53.53	47.89	47.77	74.00	-26.23 peak
4	11490.000	14.97	39.61	53.65	46.60	47.53	74.00	-26.47 peak
5	pp13022.130	15.82	40.30	54.50	47.53	49.15	68.20	-19.05 Peak
6	17235.000	17.83	40.01	54.35	44.51	48.00	68.20	-20.20 peak



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



Condition: 3m HORIZONTAL

Job No : 00519TL

Mode : 5785 TX RSE

: 5.8G Wi-Fi 11a

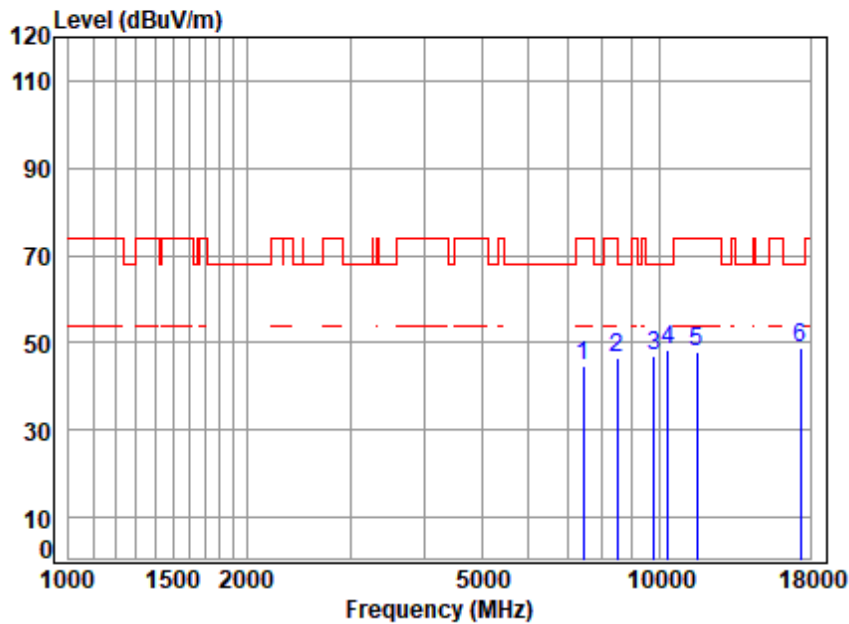
		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	7179.527	11.62	36.56	56.56	52.36	43.98	68.20	-24.22	peak
2	8539.102	12.17	38.30	55.41	52.65	47.71	68.20	-20.49	peak
3	11012.250	14.23	39.41	53.50	46.86	47.00	74.00	-27.00	peak
4	11570.000	14.78	39.60	53.67	45.79	46.50	74.00	-27.50	peak
5	14491.960	17.07	39.51	54.35	47.25	49.48	74.00	-24.52	Peak
6	pp17355.000	18.00	40.31	54.37	44.16	48.10	68.20	-20.10	peak



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



Condition: 3m VERTICAL

Job No : 00519TL

Mode : 5785 TX RSE

: 5.8G Wi-Fi 11a

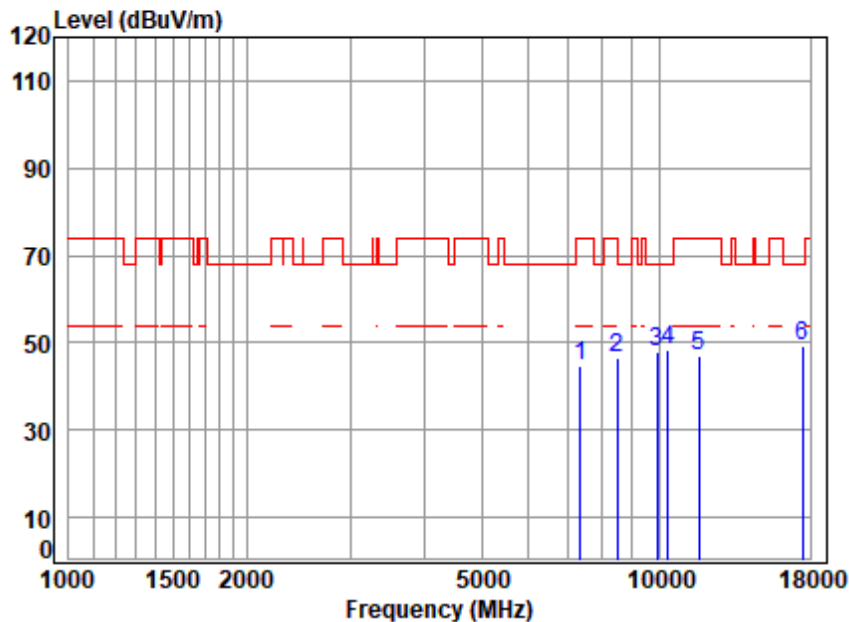
	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	7432.914	11.41	36.77	56.35	52.97	44.80	74.00 -29.20 peak
2	8489.882	12.24	38.32	55.46	51.57	46.67	74.00 -27.33 peak
3	9781.603	13.02	38.60	54.30	49.87	47.19	68.20 -21.01 peak
4	10363.710	13.61	39.00	53.88	49.43	48.16	68.20 -20.04 peak
5	11570.000	14.78	39.60	53.67	47.03	47.74	74.00 -26.26 peak
6	pp17355.000	18.00	40.31	54.37	44.67	48.61	68.20 -19.59 peak



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



Condition: 3m HORIZONTAL

Job No : 00519TL

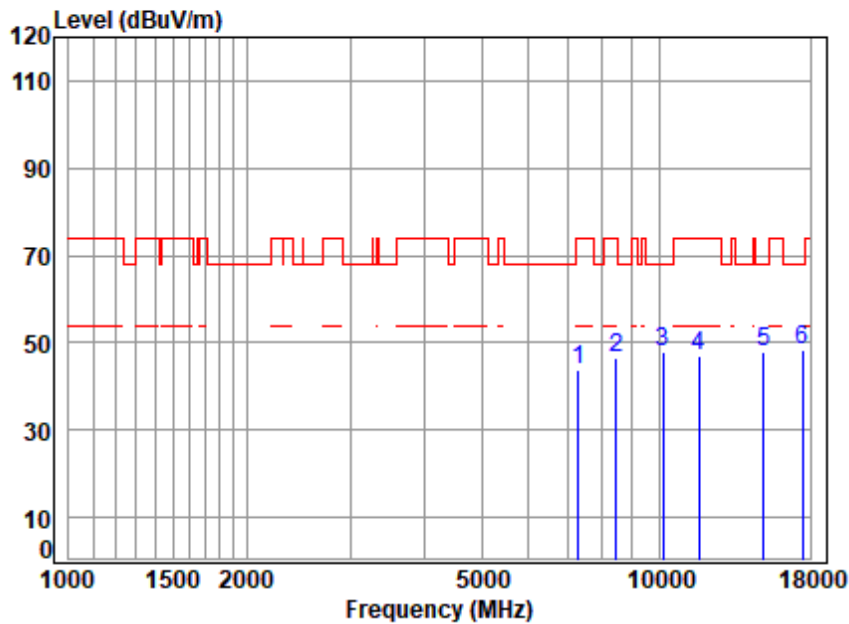
Mode : 5825 TX RSE

: 5.8G Wi-Fi 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	7347.474	11.51	36.79	56.42	52.99	44.87	74.00	-29.13	peak
2	8489.882	12.24	38.32	55.46	51.38	46.48	74.00	-27.52	peak
3	9895.349	12.81	38.80	54.19	50.48	47.90	68.20	-20.30	peak
4	10363.710	13.61	39.00	53.88	49.55	48.28	68.20	-19.92	peak
5	11650.000	14.69	39.55	53.69	46.28	46.83	74.00	-27.17	peak
6	pp17475.000	18.35	40.78	54.40	44.33	49.06	68.20	-19.14	peak



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



Condition: 3m VERTICAL

Job No : 00519TL

Mode : 5825 TX RSE

: 5.8G Wi-Fi 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	7305.122	11.51	36.71	56.46	52.27	44.03	74.00	-29.97 peak
2	8440.945	11.91	38.44	55.50	51.56	46.41	74.00	-27.59 peak
3	10126.820	13.22	39.10	54.02	49.45	47.75	68.20	-20.45 peak
4	11650.000	14.69	39.55	53.69	46.52	47.07	74.00	-26.93 peak
5	15046.850	16.65	38.75	54.29	46.93	48.04	68.20	-20.16 Peak
6	pp17475.000	18.35	40.78	54.40	43.82	48.55	68.20	-19.65 peak



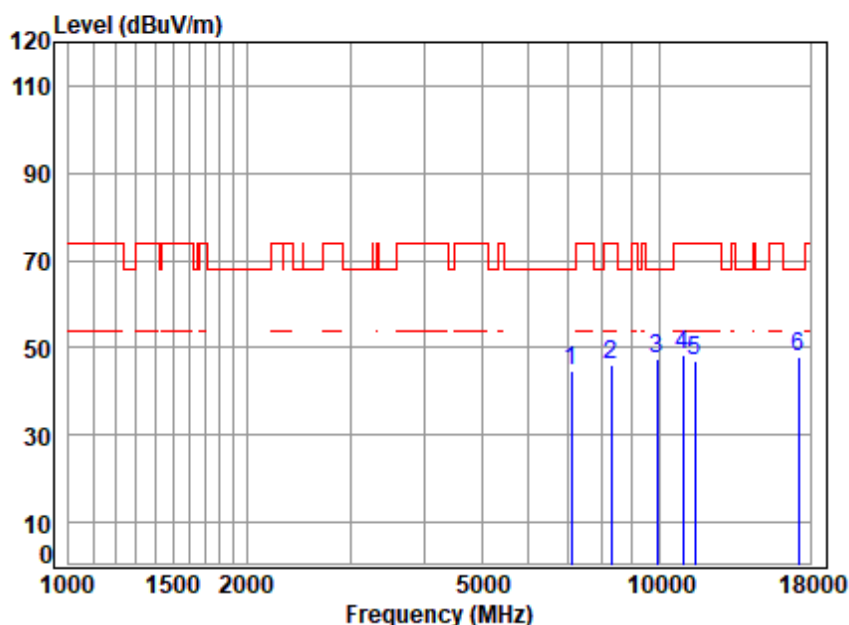
## SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250200051903

Page: 70 of 496

Test Mode: 04; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:Low



Condition: 3m HORIZONTAL

Job No : 00519TL

Mode : 5745 TX RSE

: 5.8G Wi-Fi 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	7096.999	11.97	36.39	56.62	52.84	44.58	68.20	-23.62 peak
2	8295.823	11.75	37.89	55.63	52.19	46.20	74.00	-27.80 peak
3	9895.349	12.81	38.80	54.19	50.04	47.46	68.20	-20.74 peak
4	10980.470	14.13	39.38	53.51	48.29	48.29	74.00	-25.71 peak
5	11490.000	14.97	39.61	53.65	46.23	47.16	74.00	-26.84 peak
6	pp17235.000	17.83	40.01	54.35	44.19	47.68	68.20	-20.52 peak



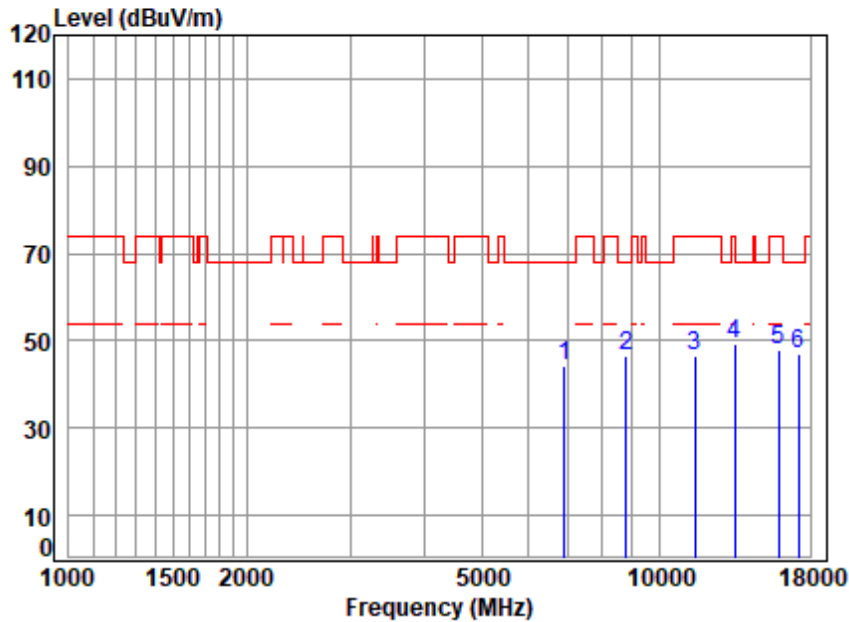
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Test Mode: 04; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:Low



Condition: 3m VERTICAL

Job No : 00519TL

Mode : 5745 TX RSE

: 5.8G Wi-Fi 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	6894.806	11.37	36.18	56.72	53.31	44.14	68.20 -24.06 Peak
2	8789.516	12.23	38.50	55.19	50.78	46.32	68.20 -21.88 Peak
3	11490.000	14.97	39.61	53.65	45.61	46.54	74.00 -27.46 peak
4	pp13404.010	15.91	40.29	54.46	47.38	49.12	68.20 -19.08 Peak
5	15896.290	17.27	38.69	54.03	45.78	47.71	74.00 -26.29 Peak
6	17235.000	17.83	40.01	54.35	43.44	46.93	68.20 -21.27 peak



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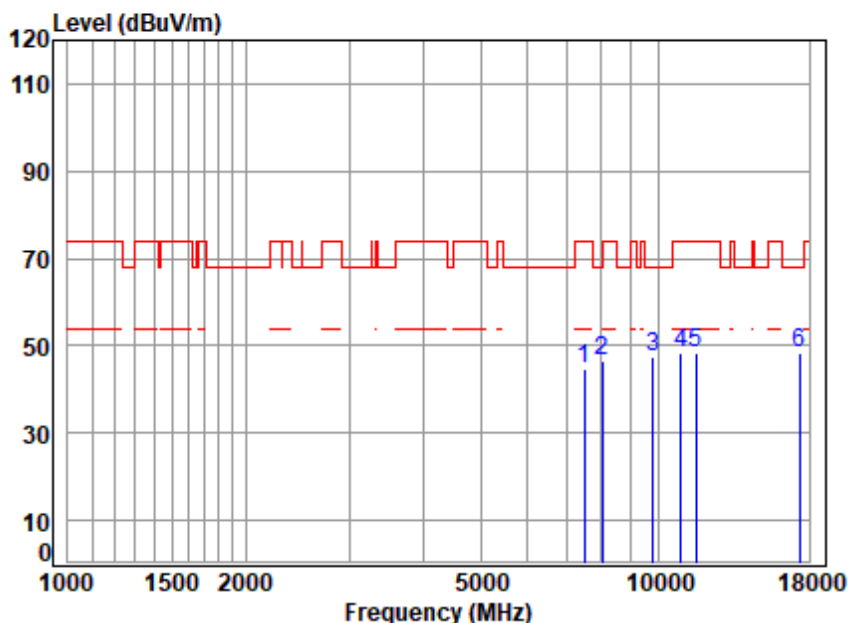
## SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250200051903

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Test Mode: 04; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:middle



Condition: 3m HORIZONTAL

Job No : 00519TL

Mode : 5785 TX RSE

: 5.8G Wi-Fi 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	7497.646	11.24	36.80	56.30	52.91	44.65	74.00	-29.35 peak
2	8036.214	11.52	37.80	55.87	53.13	46.58	74.00	-27.42 peak
3	9809.916	13.06	38.44	54.27	50.27	47.50	68.20	-20.70 peak
4	10917.180	14.00	39.32	53.55	48.51	48.28	74.00	-25.72 peak
5	11570.000	14.78	39.60	53.67	47.52	48.23	74.00	-25.77 peak
6	pp17355.000	18.00	40.31	54.37	44.65	48.59	68.20	-19.61 peak



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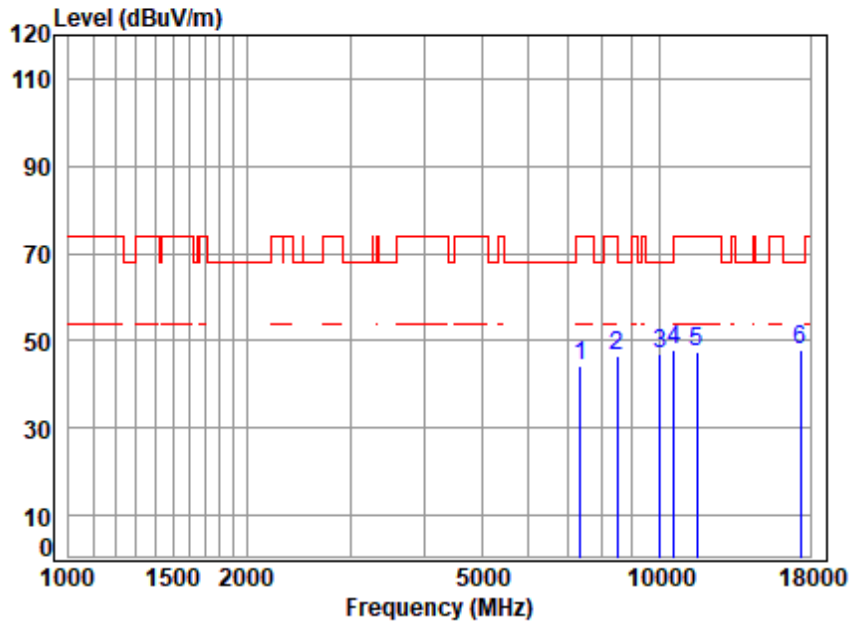
## SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250200051903

Page: 73 of 496

Test Mode: 04; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:middle



Condition: 3m VERTICAL

Job No : 00519TL

Mode : 5785 TX RSE

: 5.8G Wi-Fi 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	7347.474	11.51	36.79	56.42	52.30	44.18	74.00	-29.82 peak
2	8489.882	12.24	38.32	55.46	51.36	46.46	74.00	-27.54 peak
3	10010.420	13.04	38.92	54.09	49.03	46.90	68.20	-21.30 peak
4	pp10575.540	13.60	39.25	53.75	48.85	47.95	68.20	-20.25 peak
5	11570.000	14.78	39.60	53.67	46.91	47.62	74.00	-26.38 peak
6	17355.000	18.00	40.31	54.37	43.98	47.92	68.20	-20.28 peak



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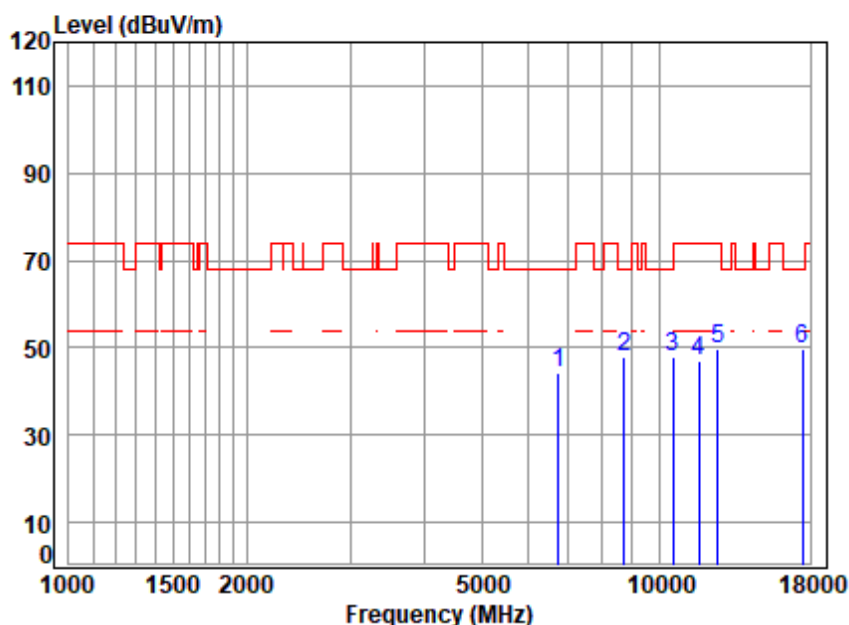
## SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250200051903

Page: 74 of 496

Test Mode: 04; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:High



Condition: 3m HORIZONTAL

Job No : 00519TL

Mode : 5825 TX RSE

: 5.8G Wi-Fi 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	6756.708	11.39	35.73	56.75	53.95	44.32	68.20	-23.88 Peak
2	8713.630	12.11	38.57	55.26	52.33	47.75	68.20	-20.45 peak
3	10545.010	13.62	39.19	53.77	48.85	47.89	68.20	-20.31 peak
4	11650.000	14.69	39.55	53.69	46.58	47.13	74.00	-26.87 peak
5	12578.210	15.01	40.06	54.20	48.85	49.72	74.00	-24.28 Peak
6	pp17475.000	18.35	40.78	54.40	44.97	49.70	68.20	-18.50 peak



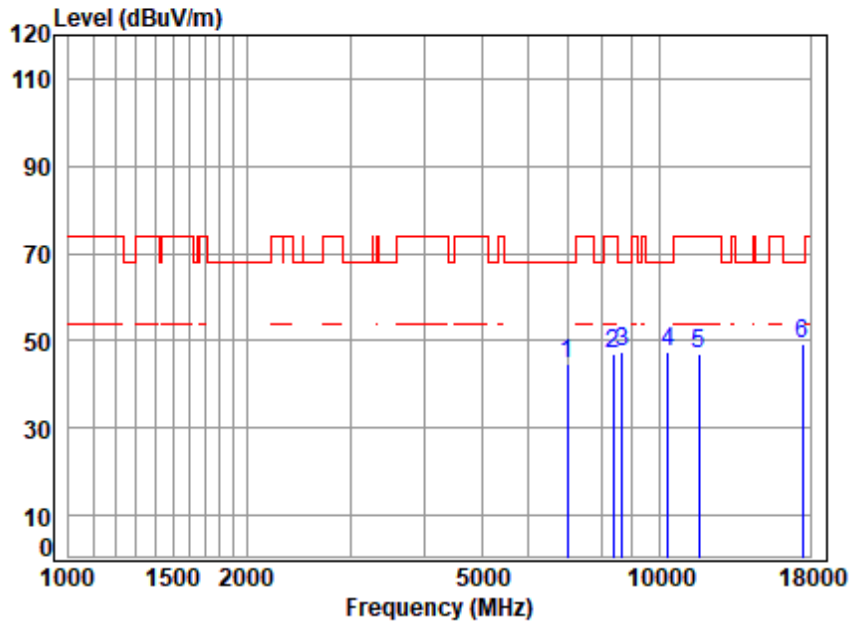
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Test Mode: 04; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:High



Condition: 3m VERTICAL

Job No : 00519TL

Mode : 5825 TX RSE

: 5.8G Wi-Fi 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	6995.172	11.37	36.19	56.70	53.80	44.66	68.20 -23.54 peak
2	8368.069	11.67	38.66	55.57	52.13	46.89	74.00 -27.11 peak
3	8663.404	12.04	38.45	55.30	52.05	47.24	68.20 -20.96 peak
4	10363.710	13.61	39.00	53.88	48.92	47.65	68.20 -20.55 peak
5	11650.000	14.69	39.55	53.69	46.44	46.99	74.00 -27.01 peak
6	pp17475.000	18.35	40.78	54.40	44.57	49.30	68.20 -18.90 peak



## 7.5 Radiated Emissions which fall in the restricted bands

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

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

Measurement Distance: 3m

Limit:

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

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

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

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

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

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

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

### 7.5.1 E.U.T. Operation

Operating Environment:

Temperature: 22.2 °C

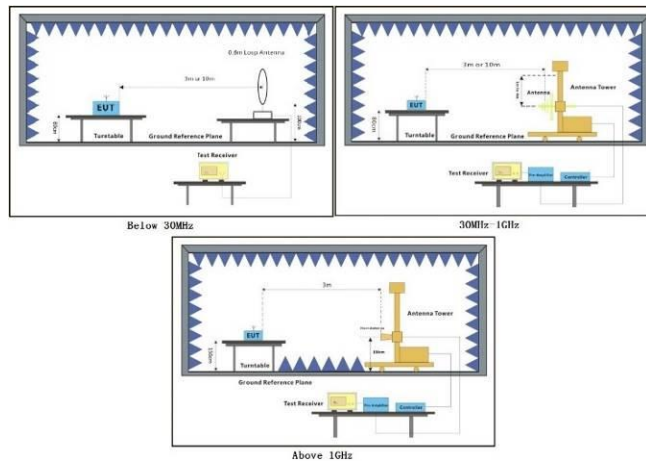
Humidity: 58.5 % RH

Atmospheric Pressure: 1020 mbar

### 7.5.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	01	TX mode (U-NII-1)_Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.
Final test	02	TX mode (U-NII-2A) _Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.
Final test	03	TX mode (U-NII-2C) _Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.
Final test	04	TX mode (U-NII-3) _Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.

### 7.5.3 Test Setup Diagram



## 7.5.4 Measurement Procedure and Data

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

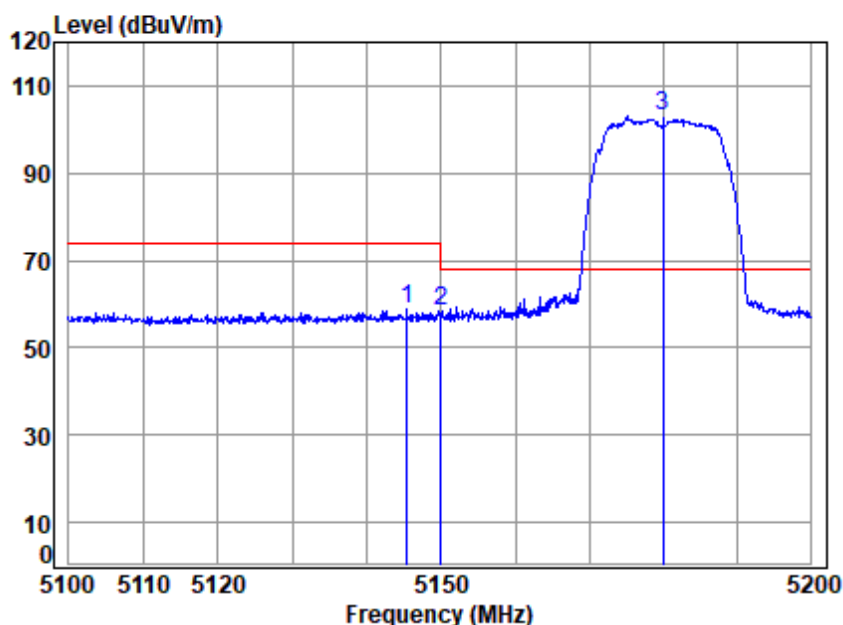
Remark 1: Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor

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

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



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



Condition: 3m HORIZONTAL

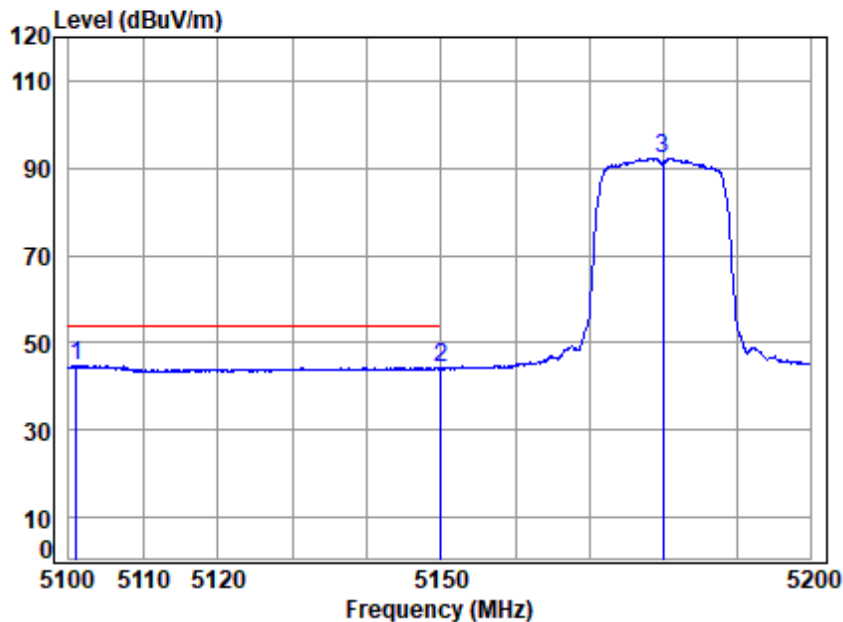
Job No : 00519TL

Mode : 5180 Band edge  
: 5G Wi-Fi 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	
5145.359	10.12	32.39	30.84	47.17	58.84	74.00	-15.16	peak
5149.980	10.14	32.40	30.84	46.71	58.41	74.00	-15.59	peak
5180.000	10.25	32.46	30.83	91.30	103.18	68.20	34.98	peak



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



Condition: 3m HORIZONTAL

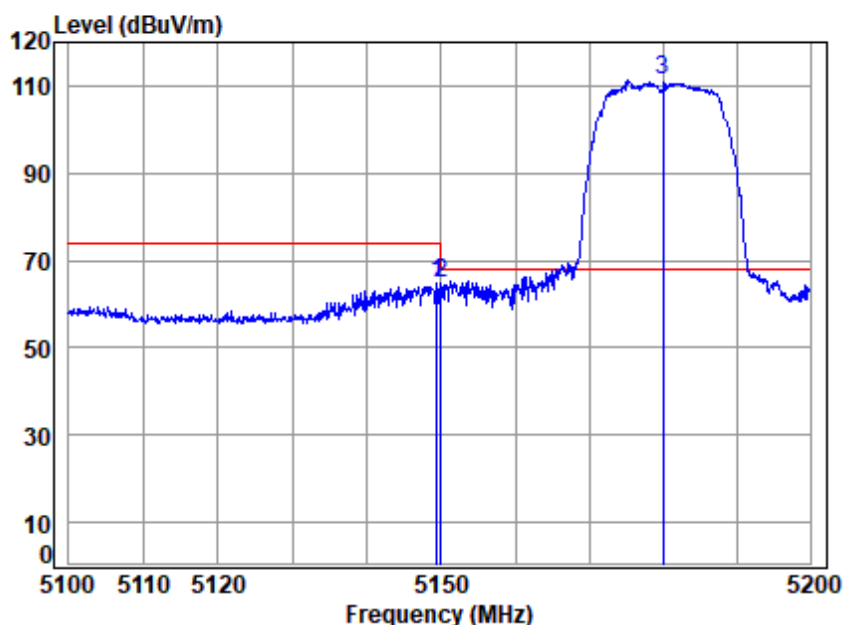
Job No : 00519TL

Mode : 5180 Band edge  
: 5G Wi-Fi 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 pp	5100.990	9.95	32.30	30.86	33.46	44.85	54.00	-9.15	Average
2	5149.980	10.14	32.40	30.84	32.43	44.13	54.00	-9.87	Average
3	5180.000	10.25	32.46	30.83	80.41	92.29	-----	-----	Average



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



Condition: 3m VERTICAL

Job No : 00519TL

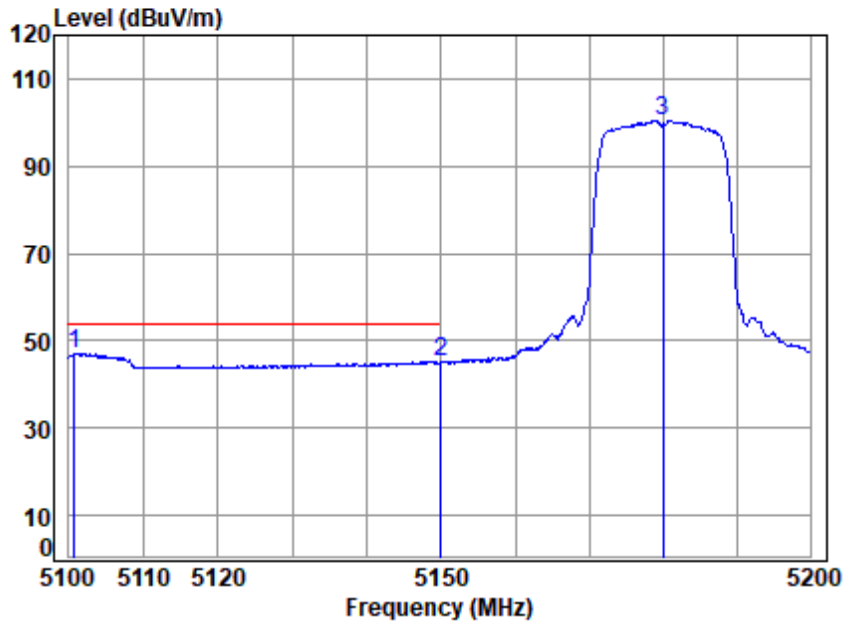
Mode : 5180 Band edge

: 5G Wi-Fi 11a

		Cable	Ant	Preamp	Read		Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark	
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
1	5149.357	10.14	32.40	30.84	53.14	64.84	74.00	-9.16	Peak
2	5149.980	10.14	32.40	30.84	53.15	64.85	74.00	-9.15	Peak
3	pp 5180.000	10.25	32.46	30.83	99.28	111.16	68.20	42.96	Peak



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



Condition: 3m VERTICAL

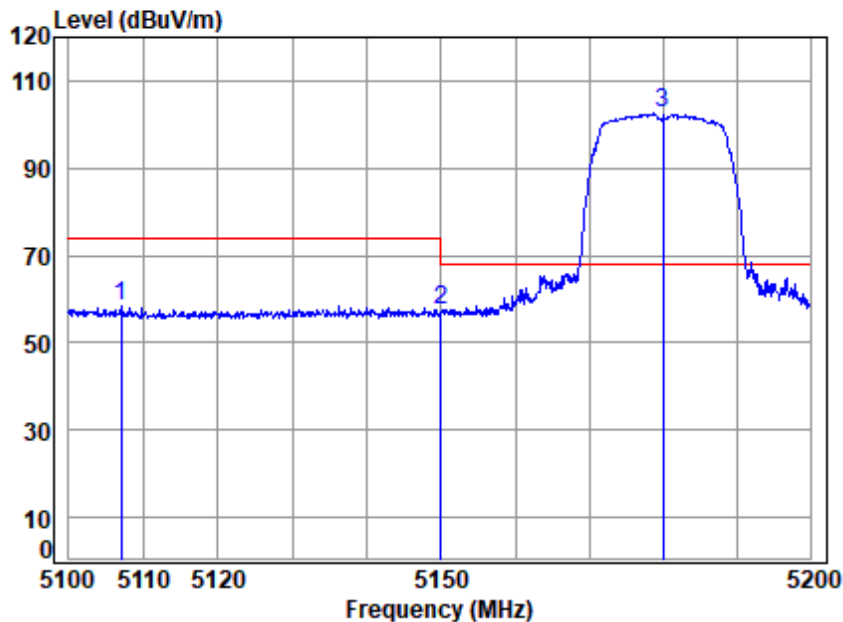
Job No : 00519TL

Mode : 5180 Band edge  
: 5G Wi-Fi 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 pp	5100.792	9.95	32.30	30.86	35.70	47.09	54.00	-6.91	Average
2	5149.980	10.14	32.40	30.84	33.54	45.24	54.00	-8.76	Average
3	5180.000	10.25	32.46	30.83	88.53	100.41	-----	-----	Average



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



Condition: 3m HORIZONTAL

Job No : 00519TL

Mode : 5180 Band edge  
: 5G Wi-Fi 11n20

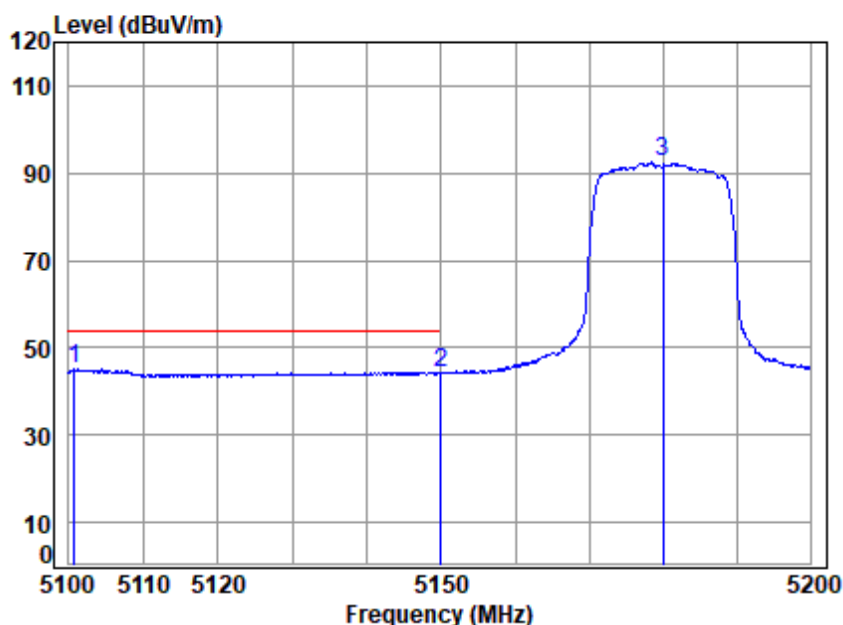
	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 5107.036	9.98	32.31	30.86	46.99	58.42	74.00	-15.58	peak
2 5149.980	10.14	32.40	30.84	45.84	57.54	74.00	-16.46	peak
3 pp 5180.000	10.25	32.46	30.83	90.61	102.49	68.20	34.29	peak



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



Condition: 3m HORIZONTAL

Job No : 00519TL

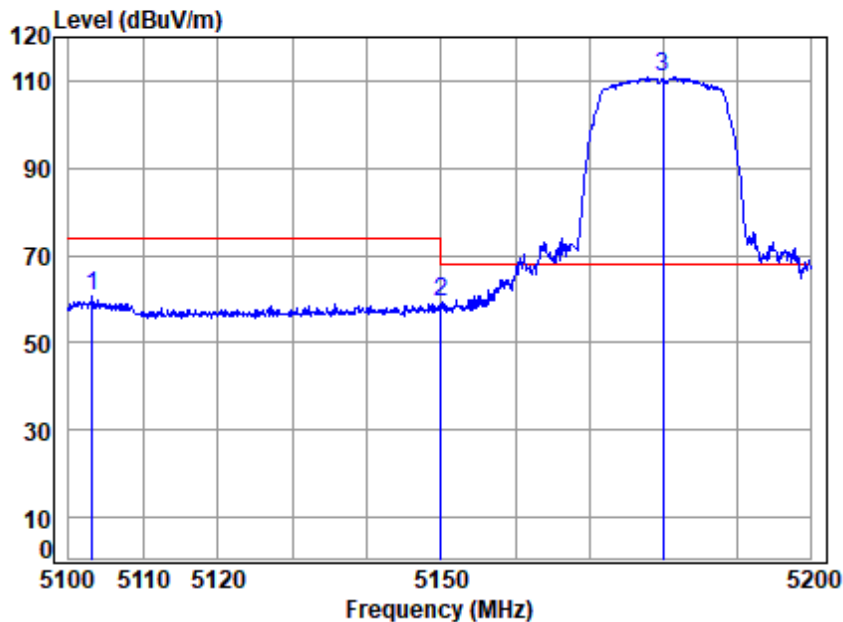
Mode : 5180 Band edge

: 5G Wi-Fi 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 pp	5100.693	9.95	32.30	30.86	33.67	45.06	54.00	-8.94	Average
2	5149.980	10.14	32.40	30.84	32.58	44.28	54.00	-9.72	Average
3	5180.000	10.25	32.46	30.83	80.58	92.46	-----	-----	Average



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



Condition: 3m VERTICAL

Job No : 00519TL

Mode : 5180 Band edge  
: 5G Wi-Fi 11n20

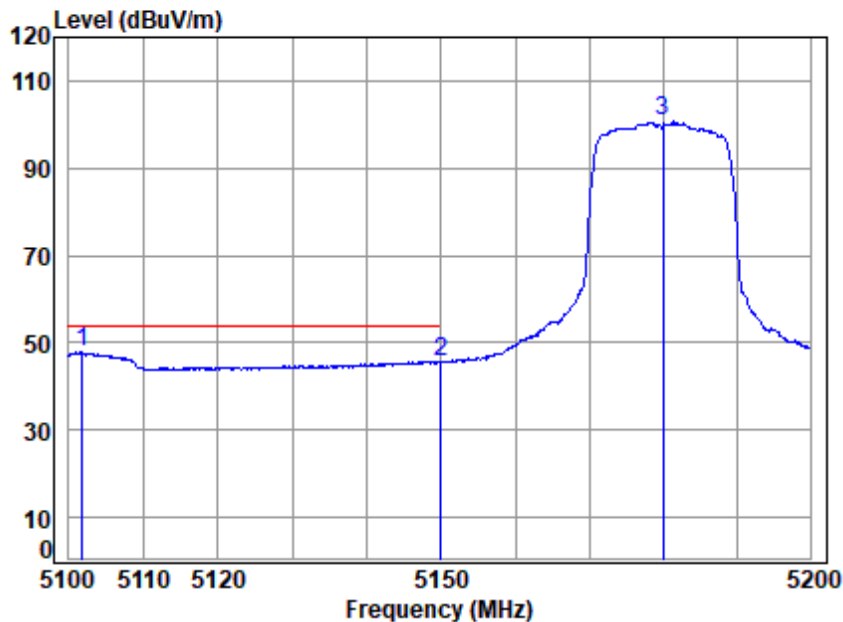
	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 5103.170	9.96	32.31	30.86	49.05	60.46	74.00	-13.54	Peak
2 5149.980	10.14	32.40	30.84	47.55	59.25	74.00	-14.75	Peak
3 pp 5180.000	10.25	32.46	30.83	98.92	110.80	68.20	42.60	Peak



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



Condition: 3m VERTICAL

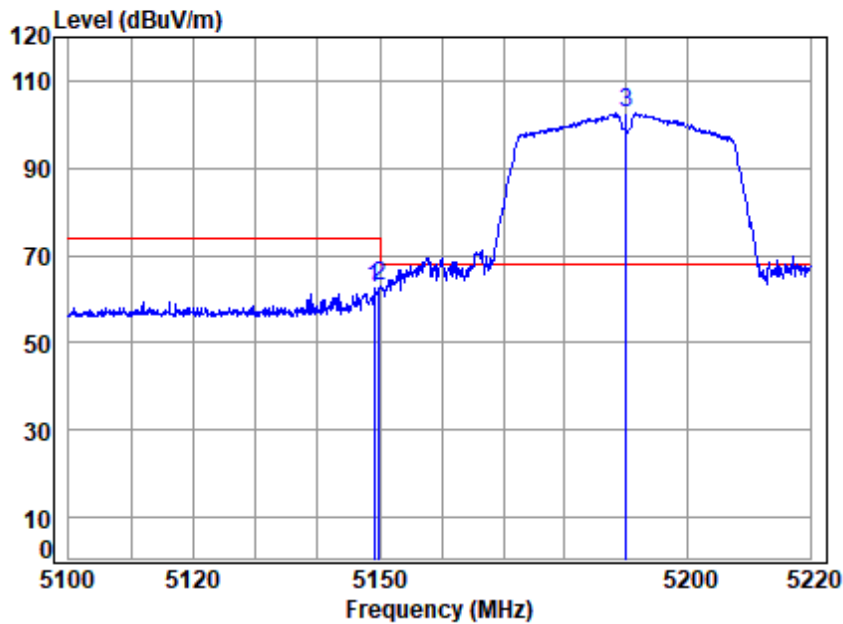
Job No : 00519TL

Mode : 5180 Band edge  
: 5G Wi-Fi 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 pp 5101.783	9.96	32.30	30.86	36.43	47.83	54.00	-6.17	Average
2 5149.980	10.14	32.40	30.84	34.01	45.71	54.00	-8.29	Average
3 5180.000	10.25	32.46	30.83	88.74	100.62	-----	-----	Average



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



Condition: 3m HORIZONTAL

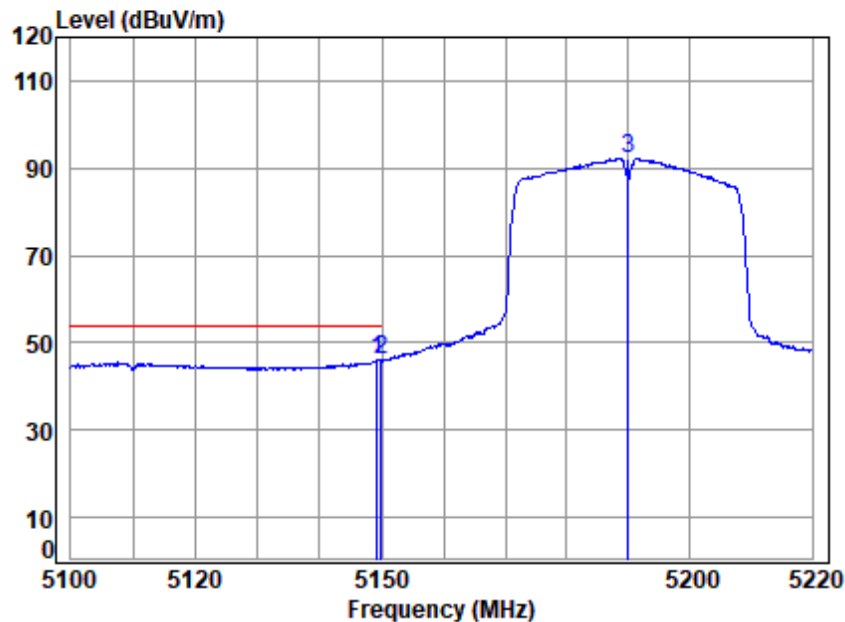
Job No : 00519TL

Mode : 5190 Band edge  
: 5G Wi-Fi 11n40

		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5149.102	10.14	32.40	30.84	50.96	62.66	74.00	-11.34 peak
2	5149.980	10.14	32.40	30.84	51.39	63.09	74.00	-10.91 peak
3 pp	5190.000	10.29	32.48	30.82	90.54	102.49	68.20	34.29 peak



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



Condition: 3m HORIZONTAL

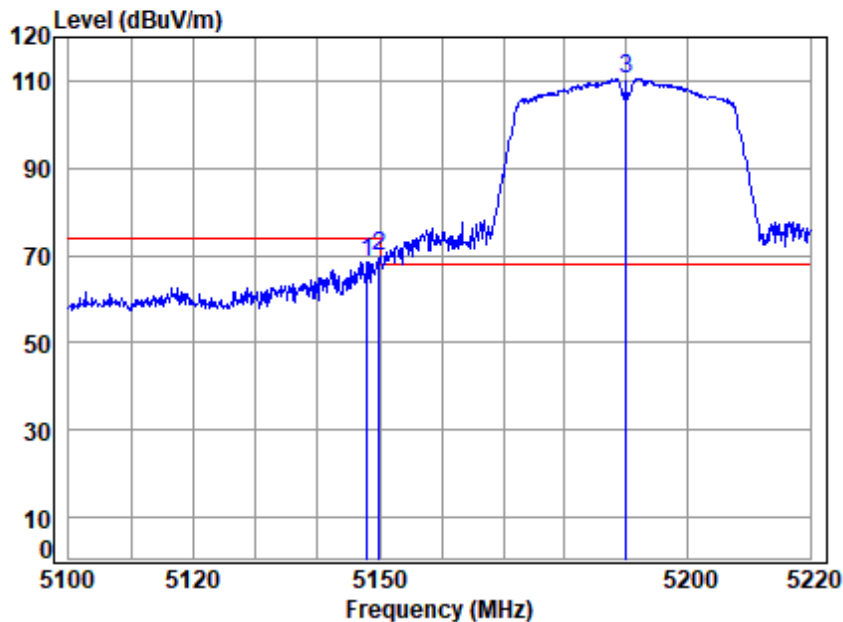
Job No : 00519TL

Mode : 5190 Band edge  
: 5G Wi-Fi 11n40

		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5149.222	10.14	32.40	30.84	34.20	45.90	54.00	-8.10 Average
2 pp	5149.980	10.14	32.40	30.84	34.33	46.03	54.00	-7.97 Average
3	5190.000	10.29	32.48	30.82	80.36	92.31	-----	----- Average



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



Condition: 3m VERTICAL

Job No : 00519TL

Mode : 5190 Band edge  
: 5G Wi-Fi 11n40

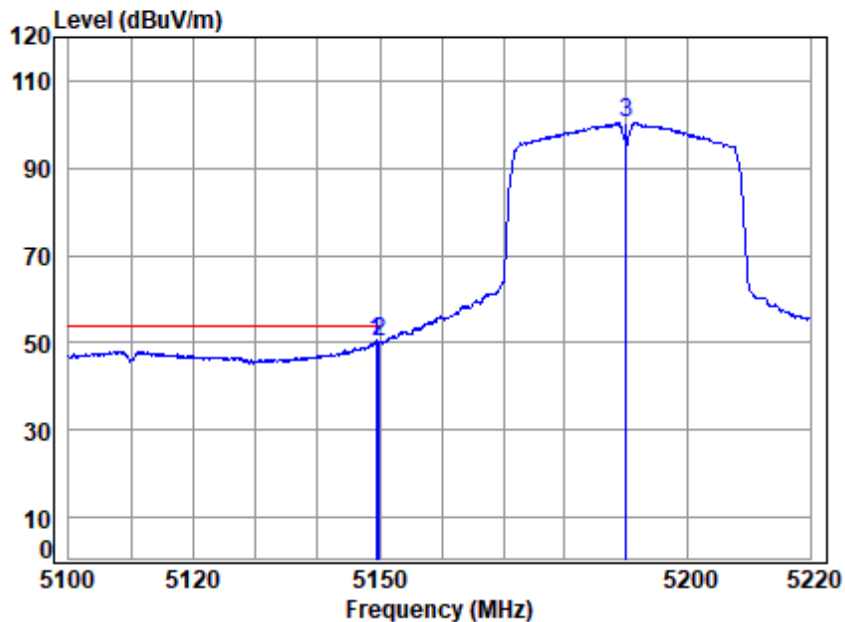
		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5148.024	10.13	32.40	30.84	56.90	68.59	74.00	-5.41 Peak
2	5149.980	10.14	32.40	30.84	58.13	69.83	74.00	-4.17 Peak
3 pp	5190.000	10.29	32.48	30.82	98.49	110.44	68.20	42.24 Peak



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



Condition: 3m VERTICAL

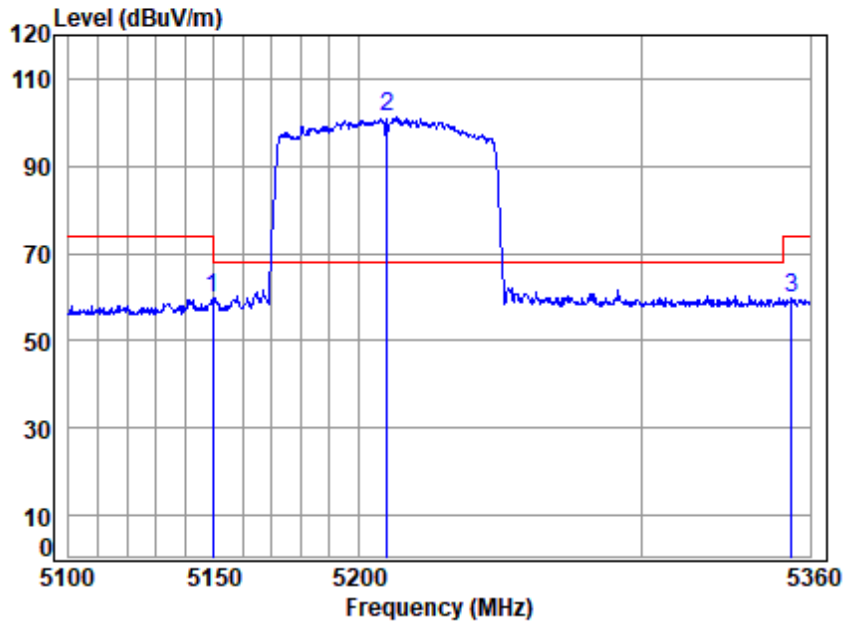
Job No : 00519TL

Mode : 5190 Band edge  
: 5G Wi-Fi 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 pp 5149.461	10.14	32.40	30.84	38.63	50.33	54.00	-3.67	Average
2 5149.980	10.14	32.40	30.84	38.63	50.33	54.00	-3.67	Average
3 5190.000	10.29	32.48	30.82	88.37	100.32	-----	-----	Average



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



Condition: 3m HORIZONTAL

Job No : 00519TL

Mode : 5210 Band edge  
: 5G Wi-Fi 11ac80

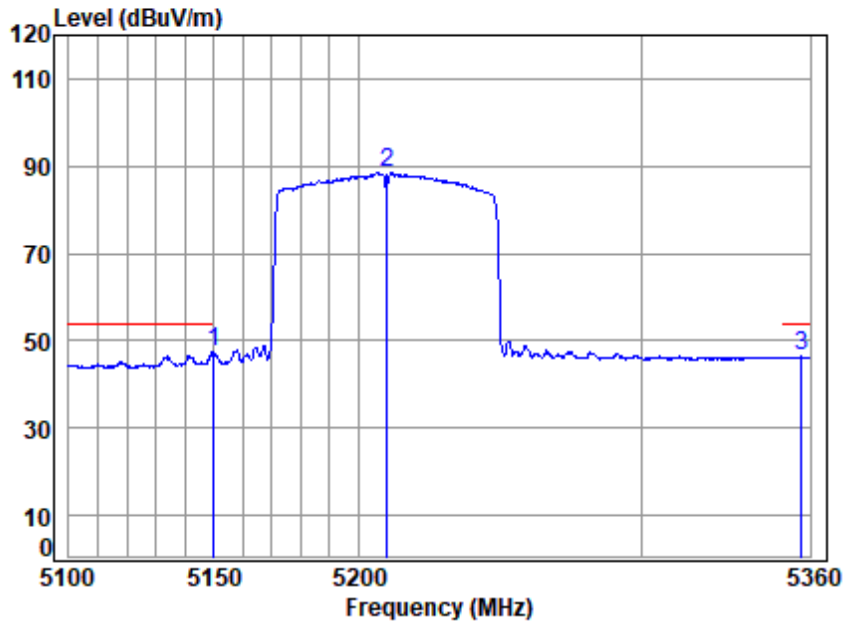
		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5149.435	10.14	32.40	30.84	48.03	59.73	74.00	-14.27	peak
2 pp	5210.000	10.32	32.52	30.82	89.11	101.13	68.20	32.93	peak
3	5353.341	10.46	32.80	30.76	47.10	59.60	74.00	-14.40	peak



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



Condition: 3m HORIZONTAL

Job No : 00519TL

Mode : 5210 Band edge  
: 5G Wi-Fi 11ac80

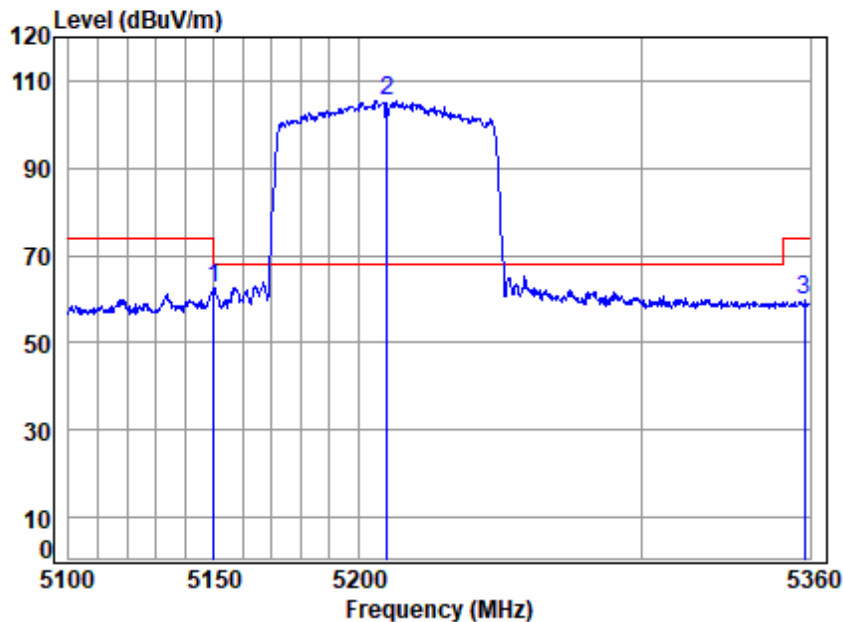
		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5149.690	10.14	32.40	30.84	35.74	47.44	54.00	-6.56	Average
2	5210.000	10.32	32.52	30.82	76.69	88.71	-----	-----	Average
3	5356.803	10.47	32.80	30.76	33.81	46.32	54.00	-7.68	Average



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



Condition: 3m VERTICAL

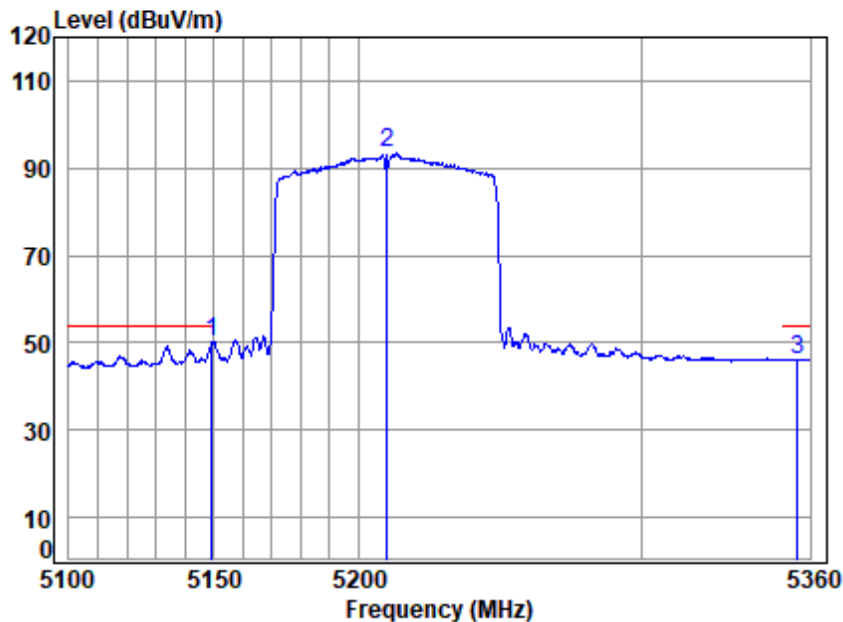
Job No : 00519TL

Mode : 5210 Band edge  
: 5G Wi-Fi 11ac80

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5149.947	10.14	32.40	30.84	50.75	62.45	74.00	-11.55	Peak
2 pp	5210.000	10.32	32.52	30.82	93.58	105.60	68.20	37.40	Peak
3	5357.868	10.48	32.80	30.76	47.27	59.79	74.00	-14.21	Peak



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



Condition: 3m VERTICAL

Job No : 00519TL

Mode : 5210 Band edge  
: 5G Wi-Fi 11ac80

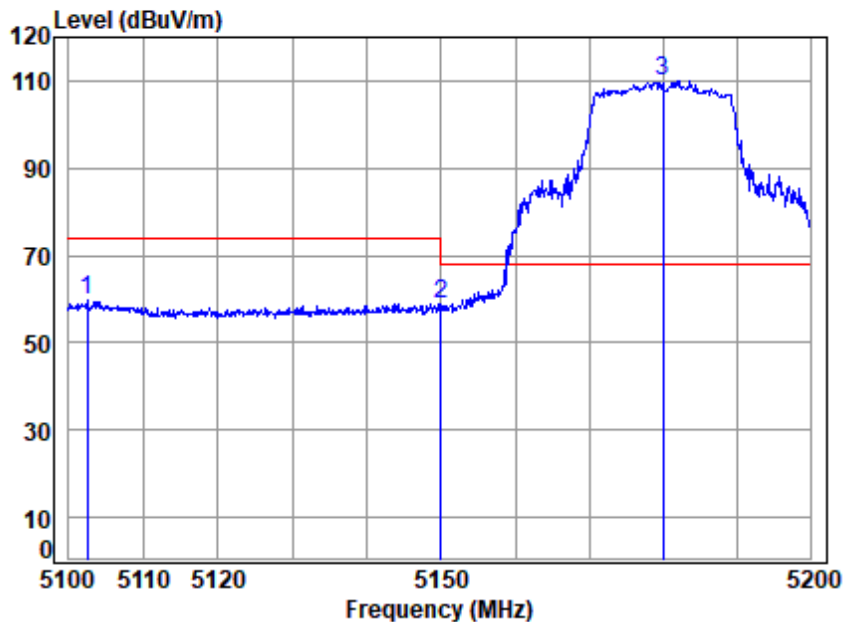
		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5149.178	10.14	32.40	30.84	38.50	50.20	54.00	-3.80	Average
2	5210.000	10.32	32.52	30.82	81.48	93.50	-----	-----	Average
3	5355.471	10.47	32.80	30.76	33.77	46.28	54.00	-7.72	Average



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Test Mode: 01; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:Low



Condition: 3m HORIZONTAL

Job No : 00519TL

Mode : 5180 Band edge

: 5G Wi-Fi 11ax20

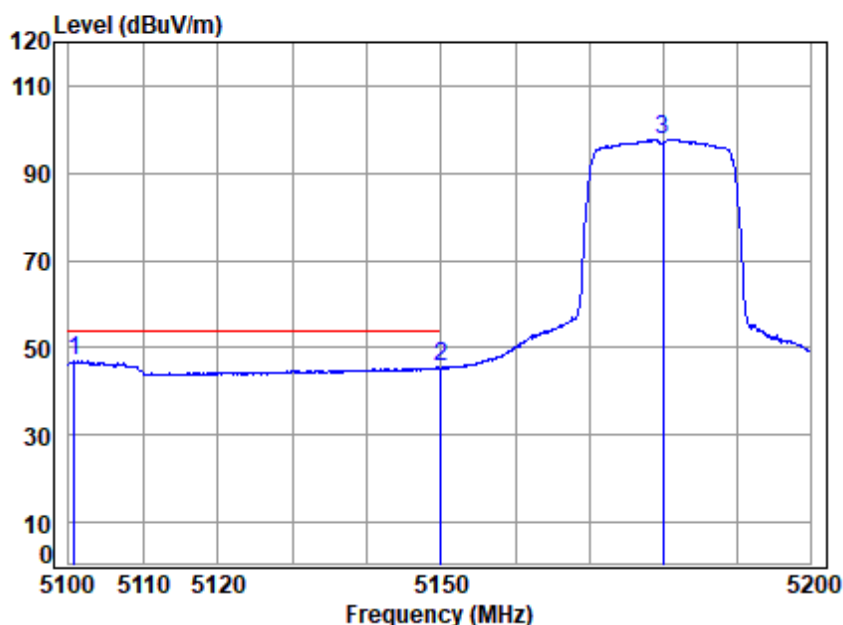
		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5102.477	9.96	32.30	30.86	48.18	59.58	74.00	-14.42	peak
2	5149.980	10.14	32.40	30.84	47.33	59.03	74.00	-14.97	peak
3 pp	5180.000	10.25	32.46	30.83	98.30	110.18	68.20	41.98	peak



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Test Mode: 01; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:Low



Condition: 3m HORIZONTAL

Job No : 00519TL

Mode : 5180 Band edge

: 5G Wi-Fi 11ax20

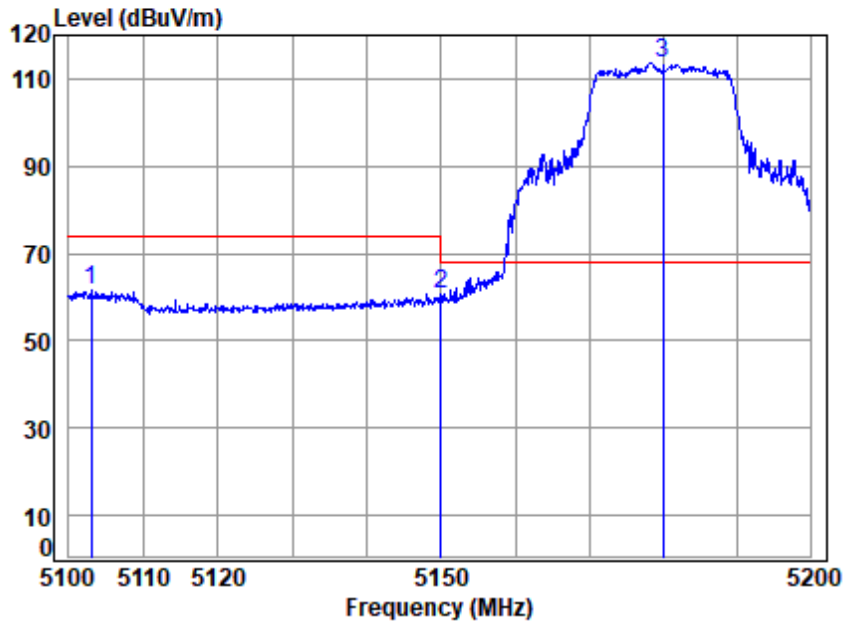
		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5100.693	9.95	32.30	30.86	35.54	46.93	54.00	-7.07	Average
2	5149.980	10.14	32.40	30.84	33.74	45.44	54.00	-8.56	Average
3	5180.000	10.25	32.46	30.83	85.93	97.81	-----	-----	Average



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Test Mode: 01; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:Low



Condition: 3m VERTICAL

Job No : 00519TL

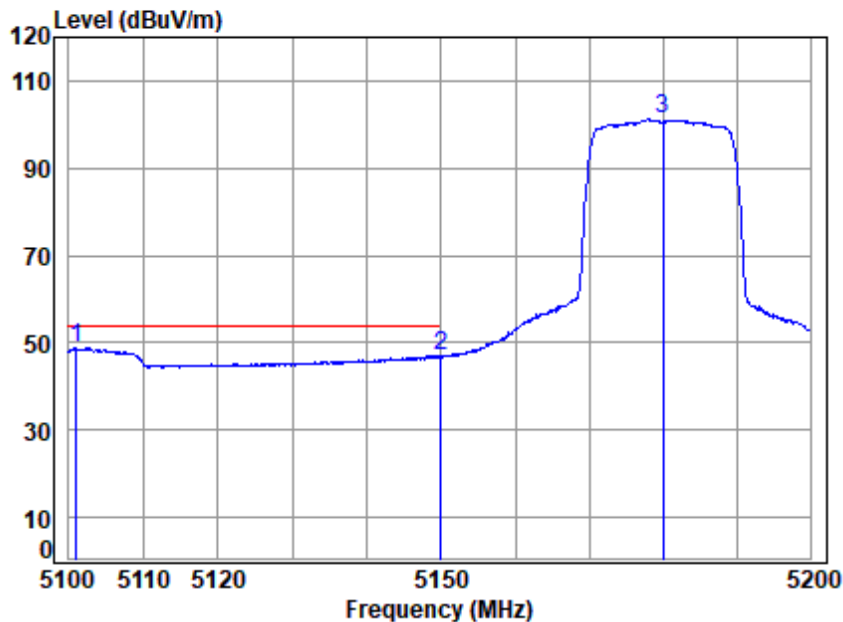
Mode : 5180 Band edge

: 5G Wi-Fi 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 5102.972	9.96	32.31	30.86	50.14	61.55	74.00	-12.45	Peak
2 5149.980	10.14	32.40	30.84	48.76	60.46	74.00	-13.54	Peak
3 pp 5180.000	10.25	32.46	30.83	101.91	113.79	68.20	45.59	Peak



Test Mode: 01; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:Low



Condition: 3m VERTICAL

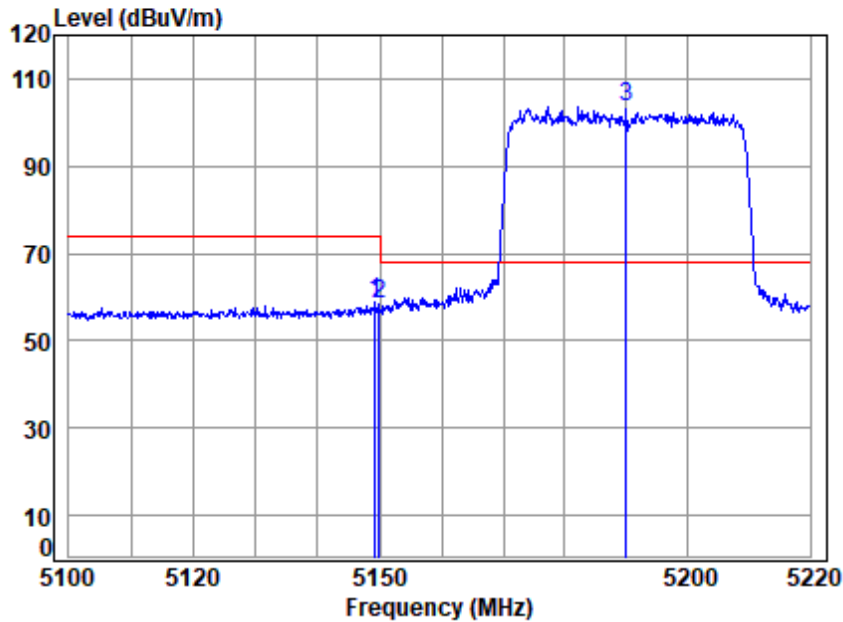
Job No : 00519TL

Mode : 5180 Band edge  
: 5G Wi-Fi 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 pp	5100.990	9.95	32.30	30.86	37.48	48.87	54.00	-5.13	Average
2	5149.980	10.14	32.40	30.84	35.26	46.96	54.00	-7.04	Average
3	5180.000	10.25	32.46	30.83	89.32	101.20	-----	-----	Average



Test Mode: 01; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:Low



Condition: 3m HORIZONTAL

Job No : 00519TL

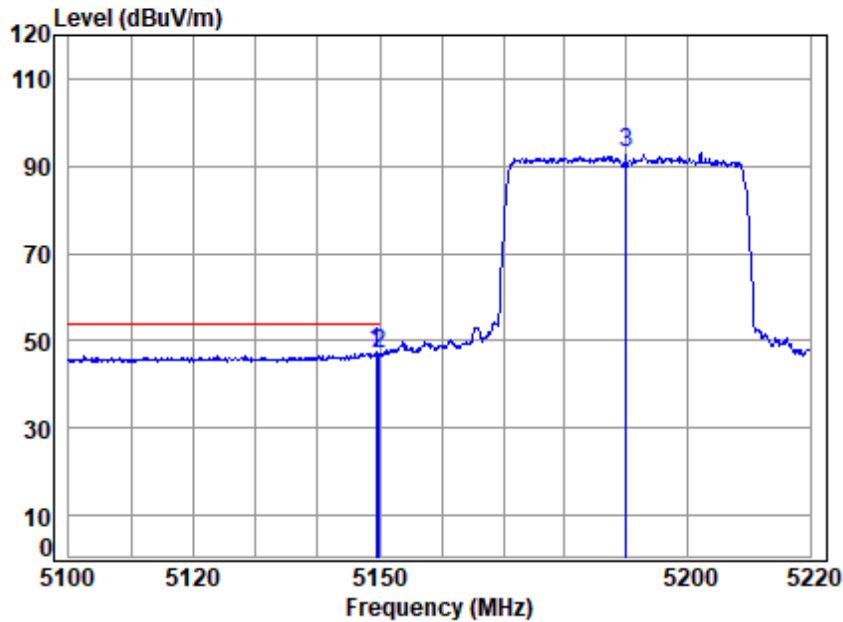
Mode : 5190 Band edge

: 5G Wi-Fi 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	5149.222	10.14	32.40	30.84	47.01	58.71	74.00 -15.29 peak
2	5149.980	10.14	32.40	30.84	46.52	58.22	74.00 -15.78 peak
3 pp	5190.000	10.29	32.48	30.82	91.76	103.71	68.20 35.51 peak



Test Mode: 01; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:Low



Condition: 3m HORIZONTAL

Job No : 00519TL

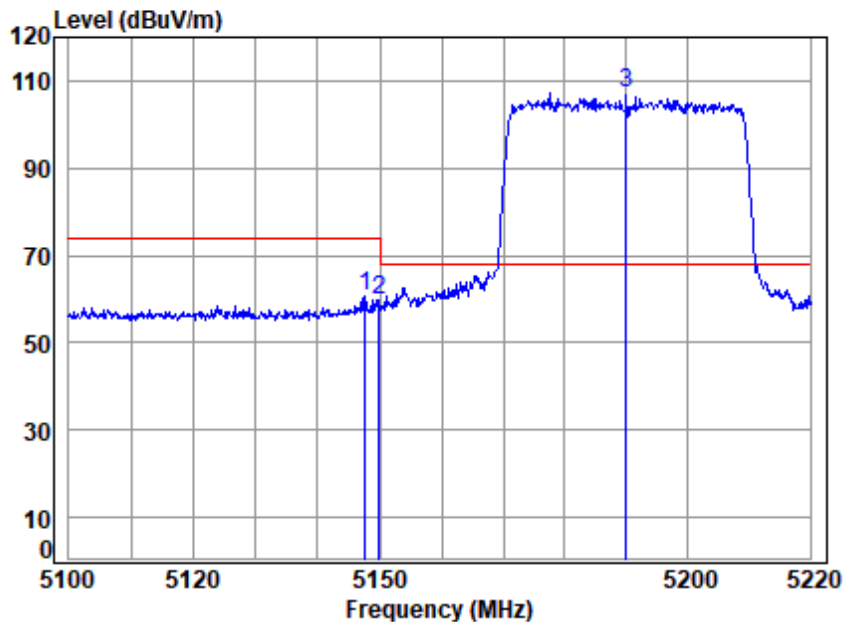
Mode : 5190 Band edge

: 5G Wi-Fi 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 pp	5149.461	10.14	32.40	30.84	35.54	47.24	54.00	-6.76	Average
2	5149.980	10.14	32.40	30.84	35.50	47.20	54.00	-6.80	Average
3	5190.000	10.29	32.48	30.82	81.06	93.01	-----	-----	Average



Test Mode: 01; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:Low



Condition: 3m VERTICAL

Job No : 00519TL

Mode : 5190 Band edge  
: 5G Wi-Fi 11ax40

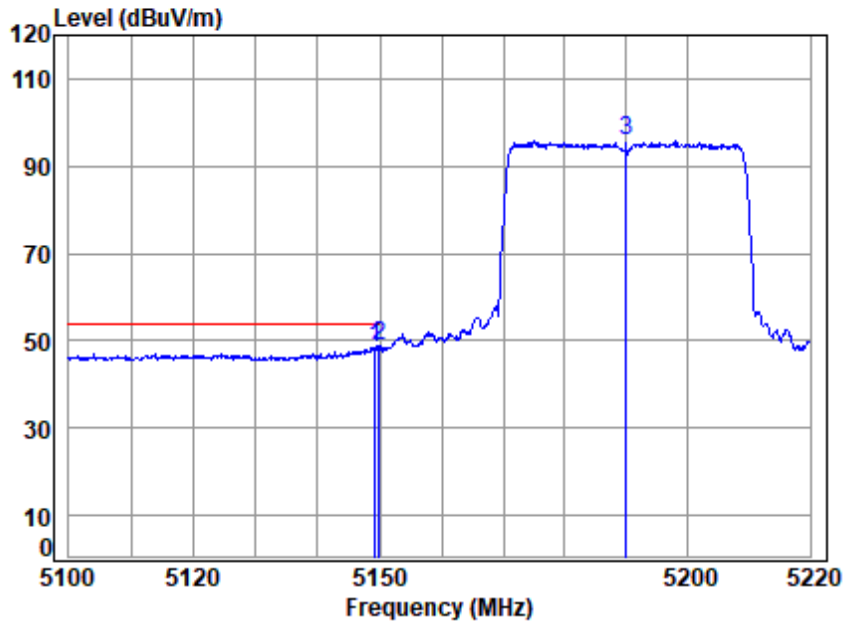
		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5147.666	10.13	32.40	30.84	48.95	60.64	74.00	-13.36	Peak
2	5149.980	10.14	32.40	30.84	48.28	59.98	74.00	-14.02	Peak
3 pp	5190.000	10.29	32.48	30.82	95.34	107.29	68.20	39.09	Peak



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Test Mode: 01; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:Low



Condition: 3m VERTICAL

Job No : 00519TL

Mode : 5190 Band edge  
: 5G Wi-Fi 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	5149.222	10.14	32.40	30.84	36.69	48.39	54.00	-5.61 Average
2 pp	5149.980	10.14	32.40	30.84	37.28	48.98	54.00	-5.02 Average
3	5190.000	10.29	32.48	30.82	83.77	95.72	-----	----- Average



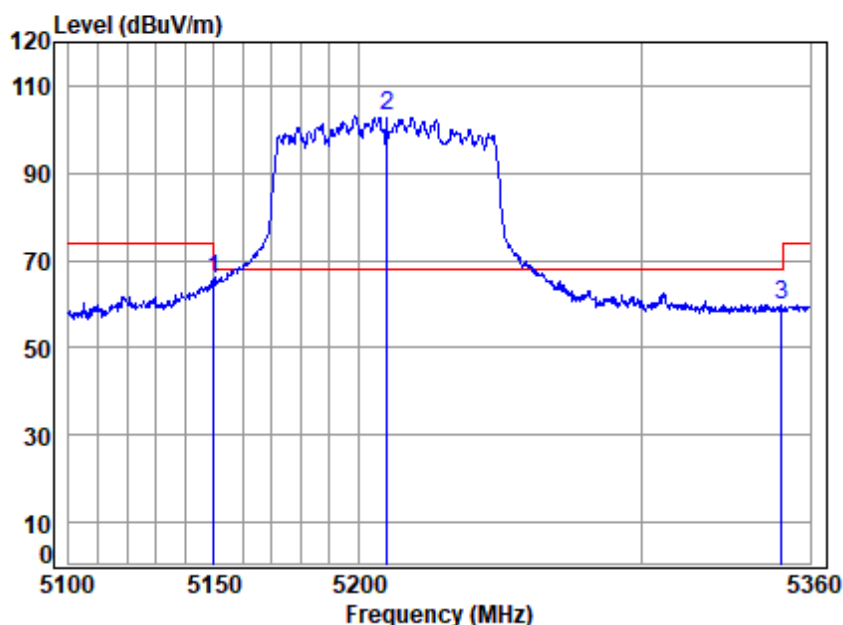
## SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250200051903

Page: 103 of 496

Test Mode: 01; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:80MHz; Channel:middle



Condition: 3m HORIZONTAL

Job No : 00519TL

Mode : 5210 Band edge

: 5G Wi-Fi 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	5149.690	10.14	32.40	30.84	54.00	65.70	74.00	-8.30	peak
2 pp	5210.000	10.32	32.52	30.82	91.12	103.14	68.20	34.94	peak
3	5349.882	10.45	32.80	30.76	47.27	59.76	68.20	-8.44	peak



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

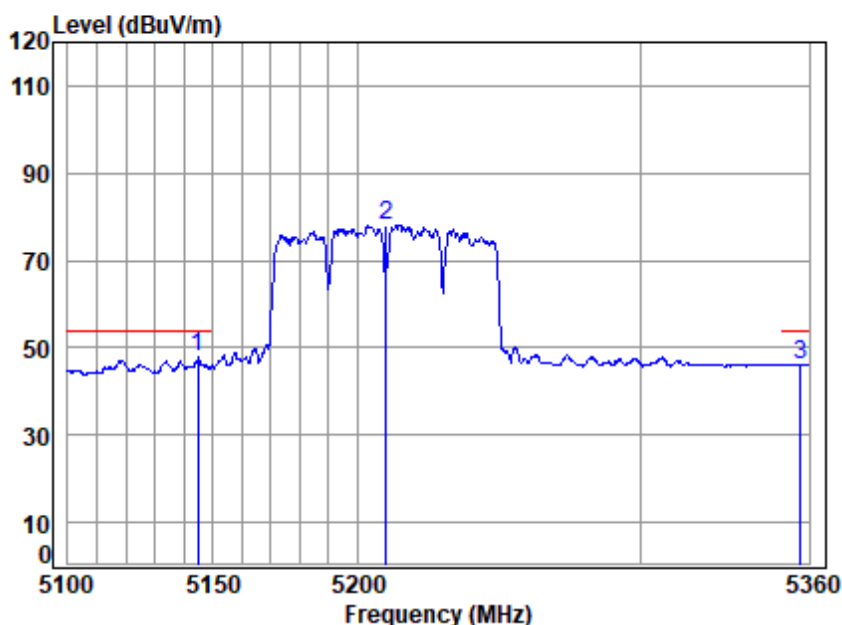
## SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250200051903

Page: 104 of 496

Test Mode: 01; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:80MHz; Channel:middle



Condition: 3m HORIZONTAL

Job No : 00519TL

Mode : 5210 Band edge

: 5G Wi-Fi 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 pp	5144.828	10.12	32.39	30.84	36.07	47.74	54.00	-6.26	Average
2	5210.000	10.32	32.52	30.82	66.17	78.19	-----	-----	Average
3	5356.803	10.47	32.80	30.76	33.75	46.26	54.00	-7.74	Average



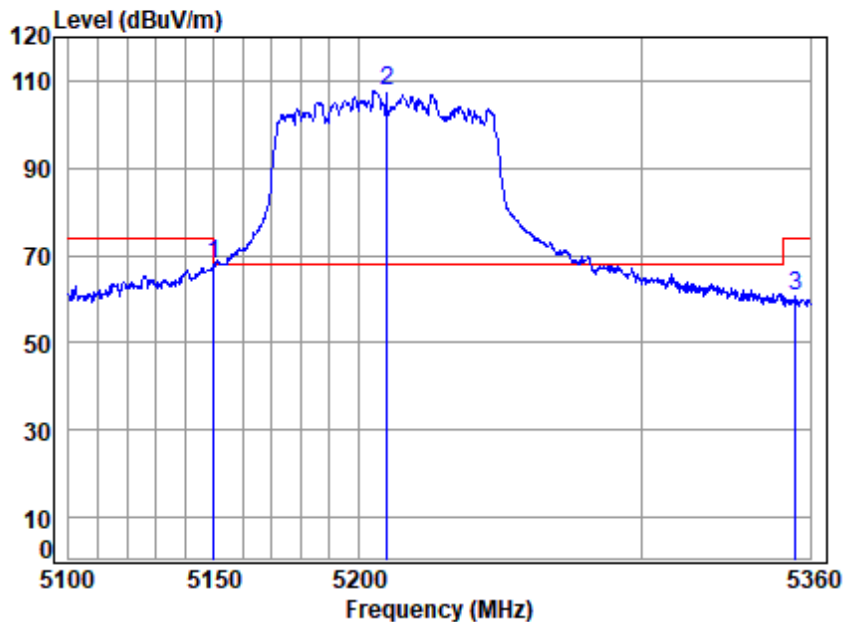
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中国·广东·深圳市南山区科技园中区M-10栋1号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

Test Mode: 01; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:80MHz; Channel:middle



Condition: 3m VERTICAL

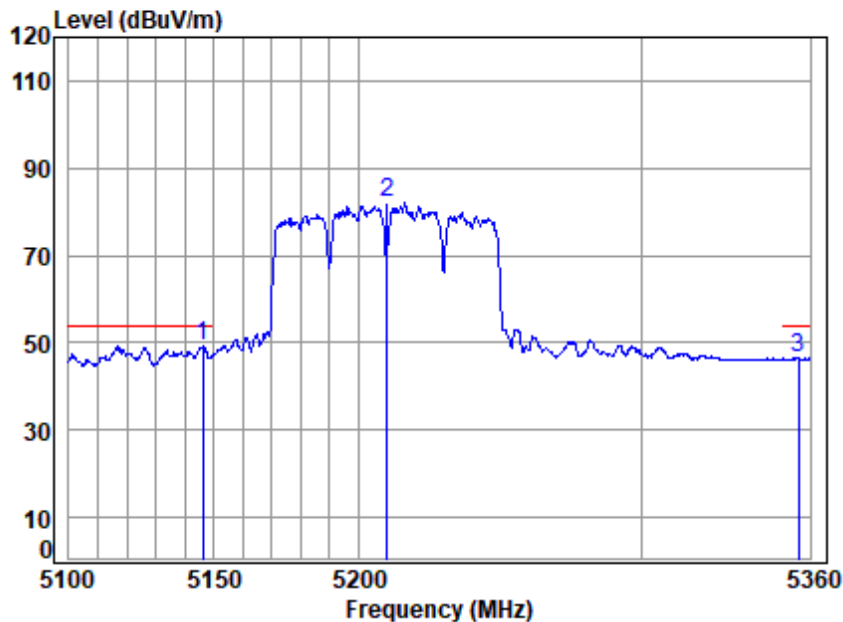
Job No : 00519TL

Mode : 5210 Band edge  
: 5G Wi-Fi 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	5149.690	10.14	32.40	30.84	56.13	67.83	74.00	-6.17	Peak
2 pp	5210.000	10.32	32.52	30.82	95.74	107.76	68.20	39.56	Peak
3	5354.938	10.47	32.80	30.76	48.20	60.71	74.00	-13.29	Peak



Test Mode: 01; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:80MHz; Channel:middle



Condition: 3m VERTICAL

Job No : 00519TL

Mode : 5210 Band edge  
: 5G Wi-Fi 11ax80

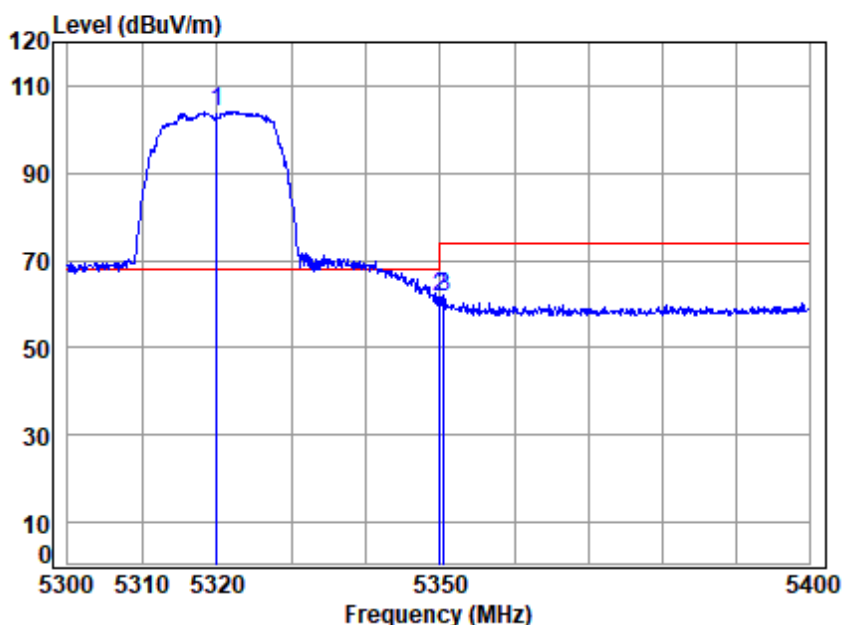
		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5146.107	10.13	32.39	30.84	37.50	49.18	54.00	-4.82	Average
2	5210.000	10.32	32.52	30.82	69.93	81.95	-----	-----	Average
3	5356.004	10.47	32.80	30.76	34.00	46.51	54.00	-7.49	Average



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



Condition: 3m HORIZONTAL

Job No : 00519TL

Mode : 5320 Band edge

: 5G Wi-Fi 11a

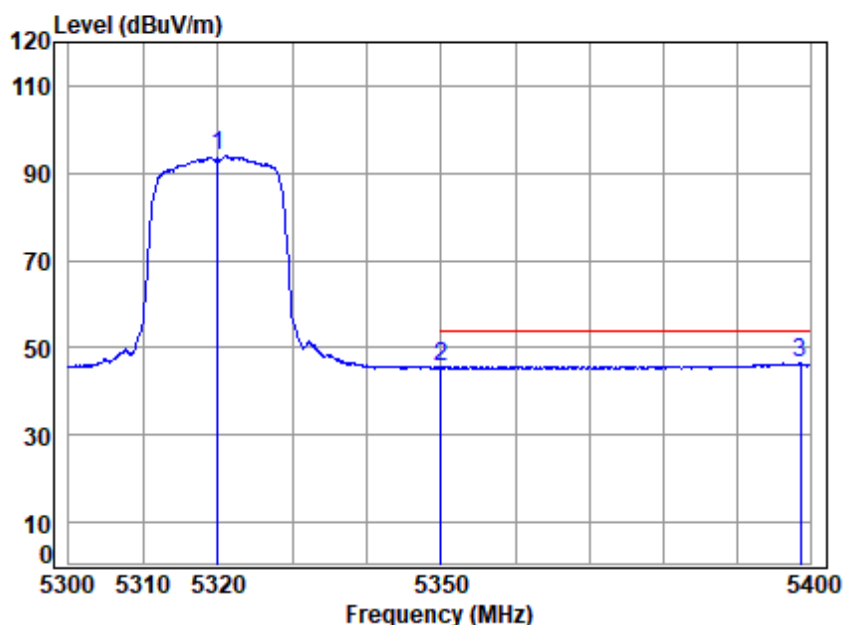
		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5320.000	10.35	32.74	30.77	91.85	104.17	68.20	35.97	peak
2	5350.020	10.45	32.80	30.76	49.29	61.78	74.00	-12.22	peak
3	5350.566	10.45	32.80	30.76	48.93	61.42	74.00	-12.58	peak



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



Condition: 3m HORIZONTAL

Job No : 00519TL

Mode : 5320 Band edge  
: 5G Wi-Fi 11a

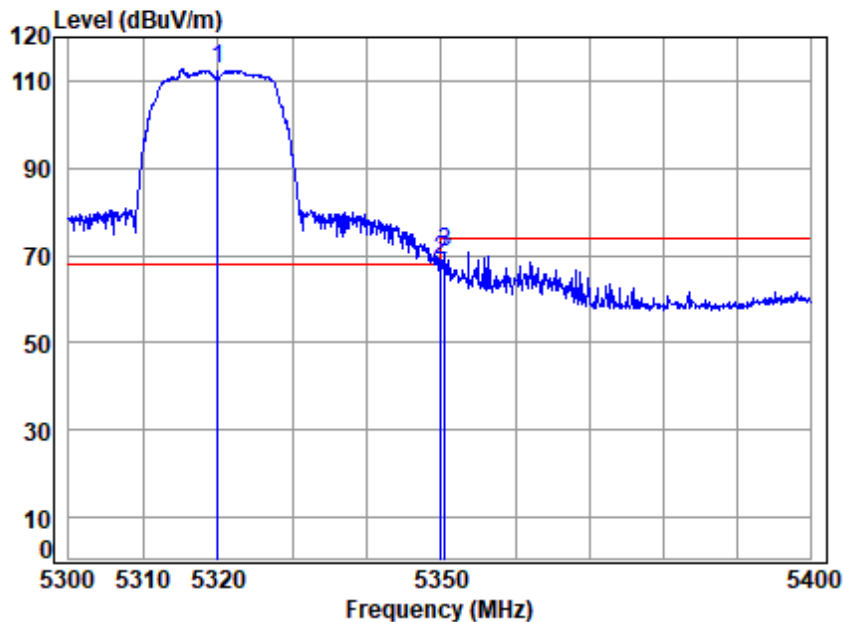
		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5320.000	10.35	32.74	30.77	81.55	93.87	-----	-----	Average
2	5350.020	10.45	32.80	30.76	33.12	45.61	54.00	-8.39	Average
3 pp	5398.688	10.62	32.80	30.74	33.65	46.33	54.00	-7.67	Average



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



Condition: 3m VERTICAL

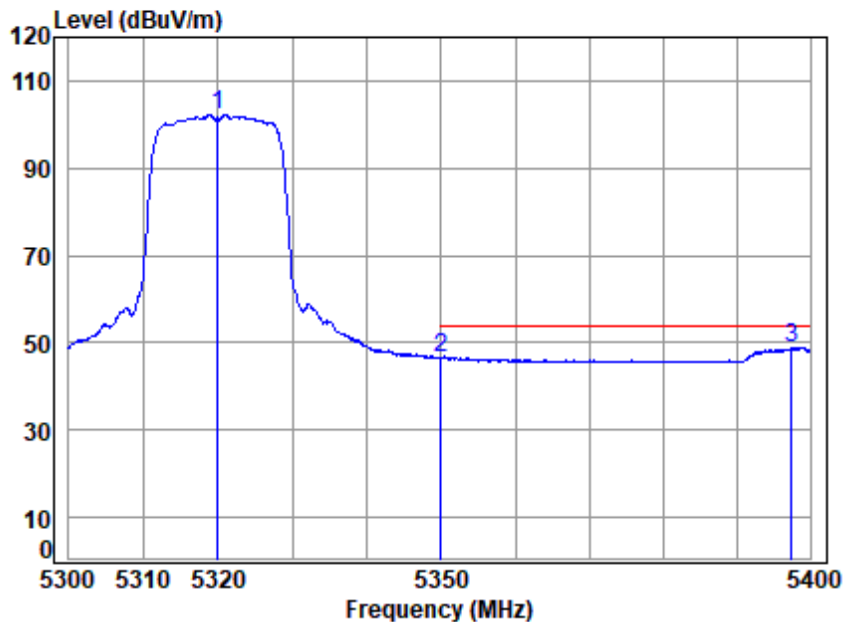
Job No : 00519TL

Mode : 5320 Band edge  
: 5G Wi-Fi 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 pp	5320.000	10.35	32.74	30.77	100.53	112.85	68.20	44.65	Peak
2	5350.020	10.45	32.80	30.76	56.61	69.10	74.00	-4.90	Peak
3	5350.566	10.45	32.80	30.76	58.45	70.94	74.00	-3.06	Peak



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



Condition: 3m VERTICAL

Job No : 00519TL

Mode : 5320 Band edge  
: 5G Wi-Fi 11a

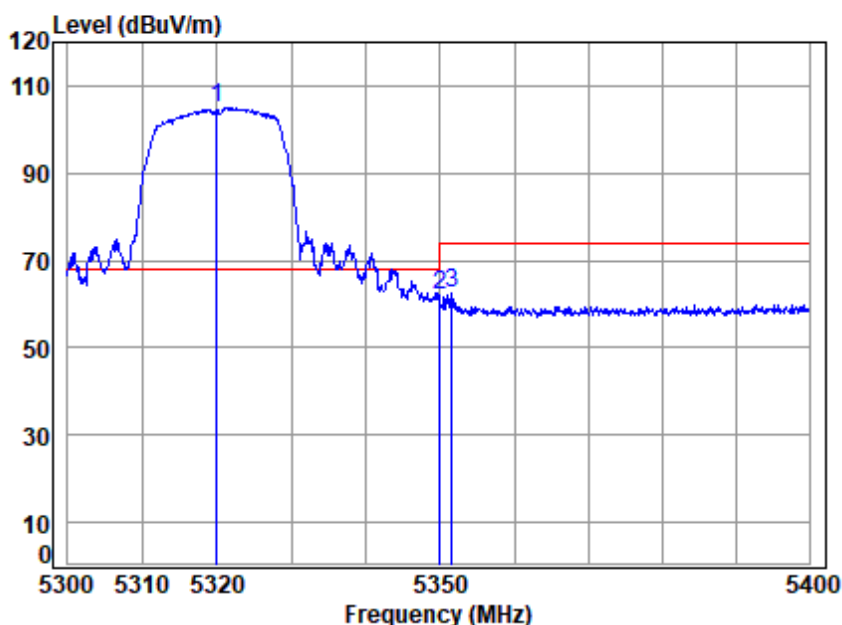
		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5320.000	10.35	32.74	30.77	89.97	102.29	-----	-----	Average
2	5350.020	10.45	32.80	30.76	34.17	46.66	54.00	-7.34	Average
3 pp	5397.477	10.61	32.80	30.74	36.12	48.79	54.00	-5.21	Average



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



Condition: 3m HORIZONTAL

Job No : 00519TL

Mode : 5320 Band edge  
: 5G Wi-Fi 11n20

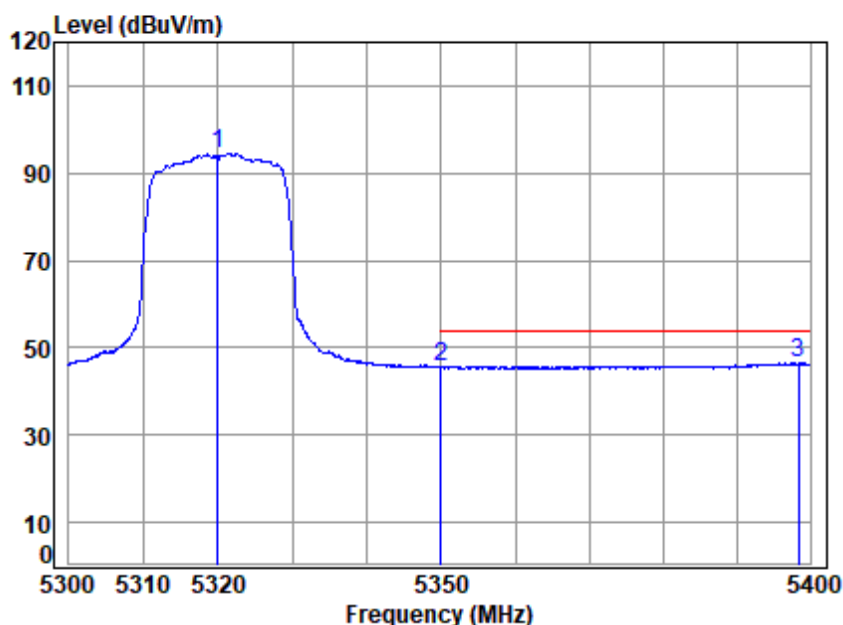
		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5320.000	10.35	32.74	30.77	92.63	104.95	68.20	36.75	peak
2	5350.020	10.45	32.80	30.76	49.58	62.07	74.00	-11.93	peak
3	5351.566	10.46	32.80	30.76	49.97	62.47	74.00	-11.53	peak



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



Condition: 3m HORIZONTAL

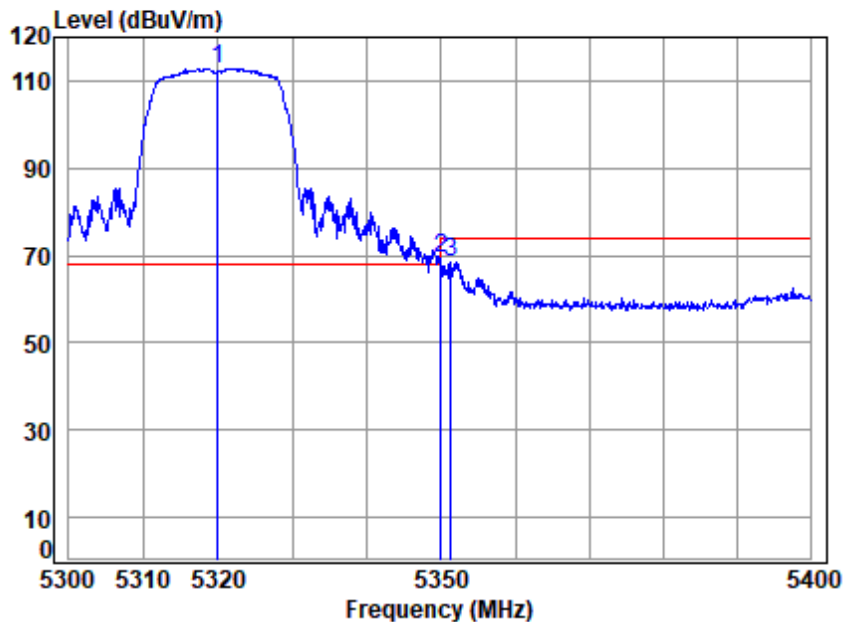
Job No : 00519TL

Mode : 5320 Band edge  
: 5G Wi-Fi 11n20

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5320.000	10.35	32.74	30.77	82.14	94.46	-----	----- Average
2 5350.020	10.45	32.80	30.76	33.20	45.69	54.00	-8.31 Average
3 pp 5398.486	10.61	32.80	30.74	33.91	46.58	54.00	-7.42 Average



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



Condition: 3m VERTICAL

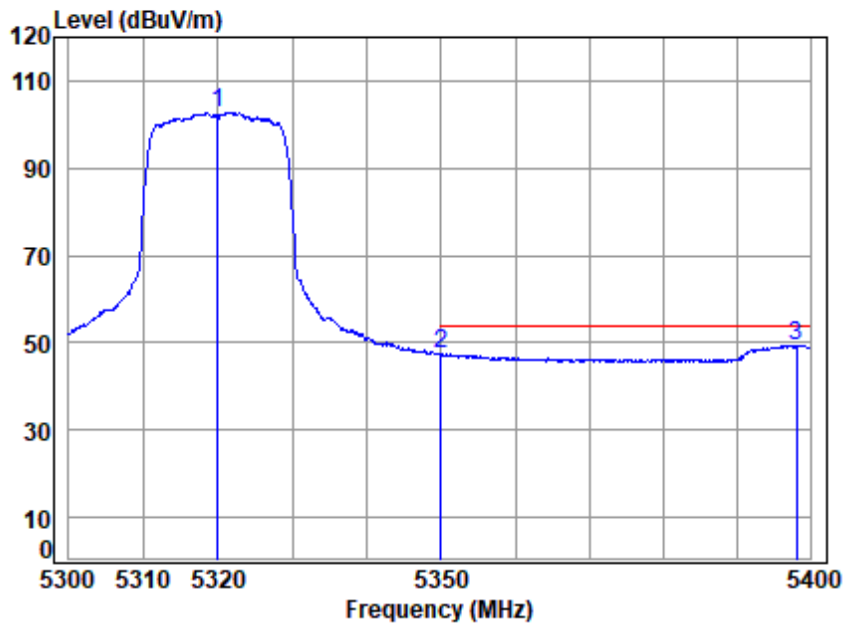
Job No : 00519TL

Mode : 5320 Band edge  
: 5G Wi-Fi 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 pp	5320.000	10.35	32.74	30.77	100.60	112.92	68.20	44.72	Peak
2	5350.020	10.45	32.80	30.76	56.96	69.45	74.00	-4.55	Peak
3	5351.367	10.45	32.80	30.76	56.07	68.56	74.00	-5.44	Peak



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



Condition: 3m VERTICAL

Job No : 00519TL

Mode : 5320 Band edge  
: 5G Wi-Fi 11n20

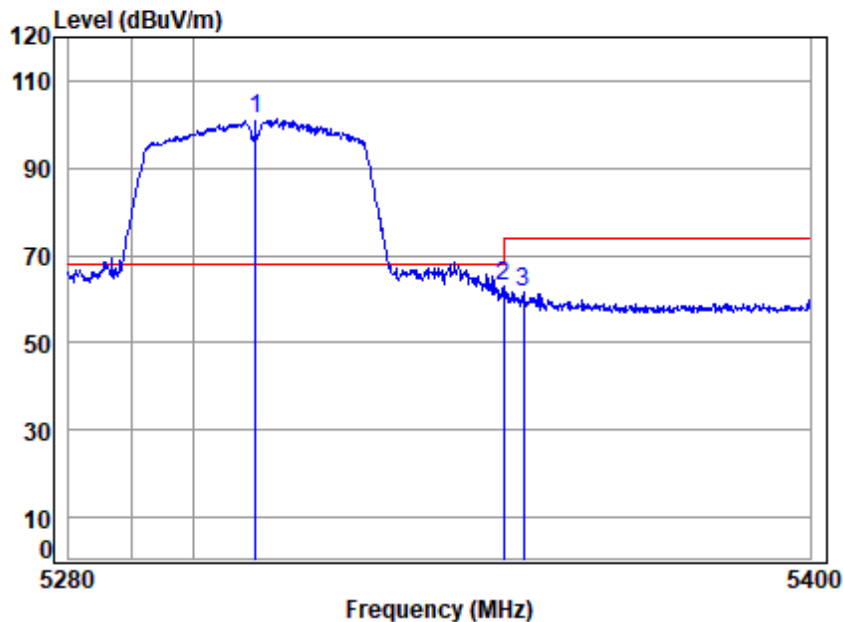
	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5320.000	10.35	32.74	30.77	90.37	102.69	-----	----- Average
2 5350.020	10.45	32.80	30.76	34.96	47.45	54.00	-6.55 Average
3 pp 5398.184	10.61	32.80	30.74	36.79	49.46	54.00	-4.54 Average



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



Condition: 3m HORIZONTAL

Job No : 00519TL

Mode : 5310 Band edge  
: 5G Wi-Fi 11n40

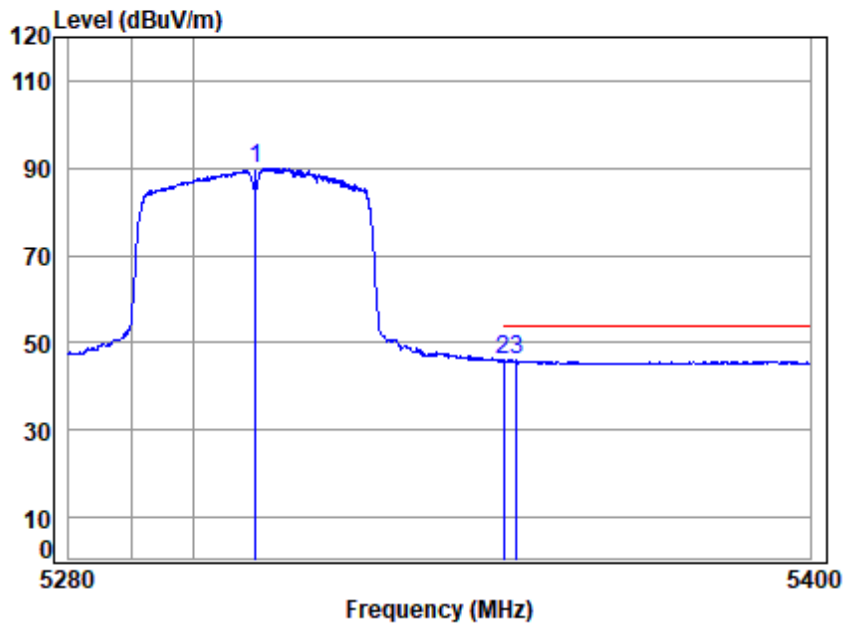
		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5310.000	10.31	32.72	30.78	88.98	101.23	68.20	33.03	peak
2	5350.020	10.45	32.80	30.76	50.30	62.79	74.00	-11.21	peak
3	5353.240	10.46	32.80	30.76	49.18	61.68	74.00	-12.32	peak



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



Condition: 3m HORIZONTAL

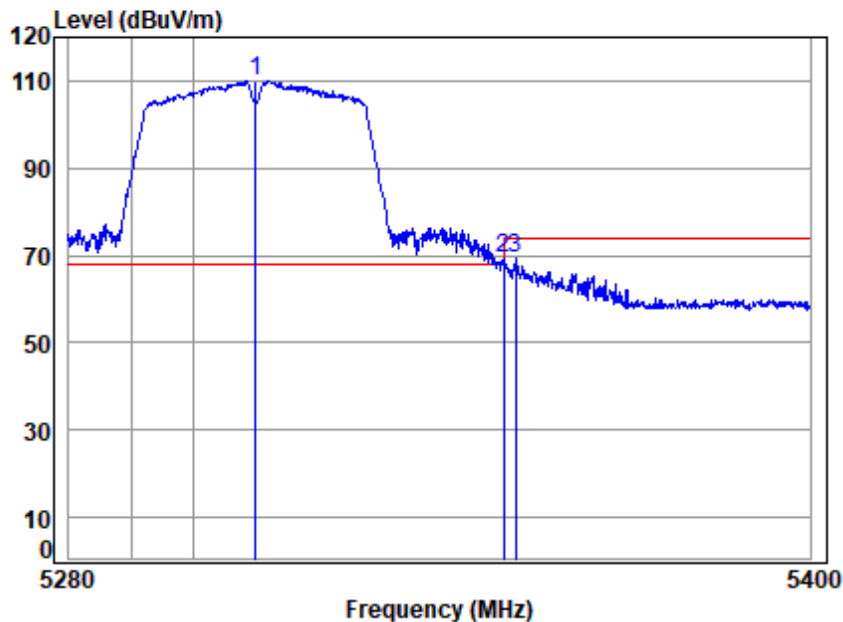
Job No : 00519TL

Mode : 5310 Band edge  
: 5G Wi-Fi 11n40

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5310.000	10.31	32.72	30.78	77.86	90.11	-----	----- Average
2 5350.020	10.45	32.80	30.76	33.44	45.93	54.00	-8.07 Average
3 pp 5352.157	10.46	32.80	30.76	33.46	45.96	54.00	-8.04 Average



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



Condition: 3m VERTICAL

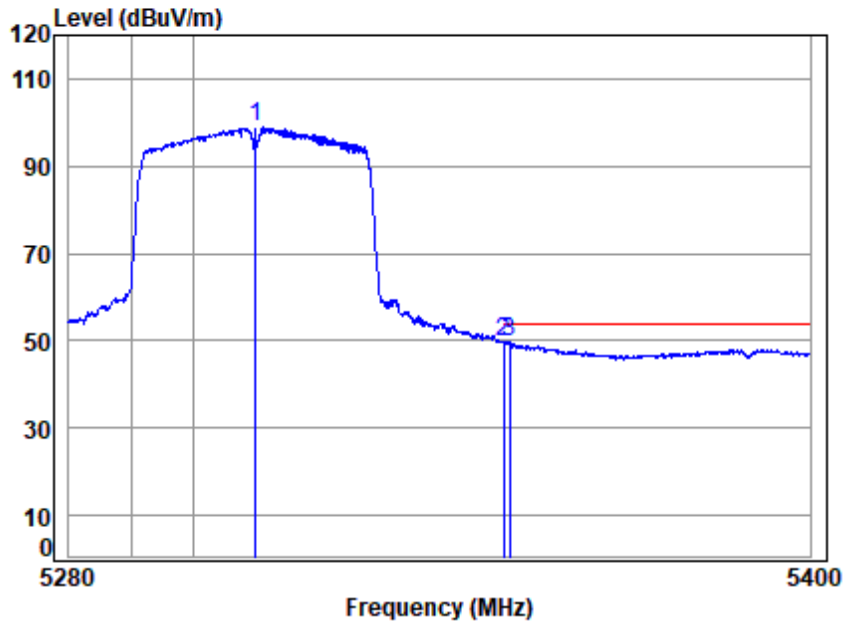
Job No : 00519TL

Mode : 5310 Band edge  
: 5G Wi-Fi 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 pp	5310.000	10.31	32.72	30.78	97.72	109.97	68.20	41.77	Peak
2	5350.020	10.45	32.80	30.76	56.67	69.16	74.00	-4.84	Peak
3	5352.037	10.46	32.80	30.76	56.92	69.42	74.00	-4.58	Peak



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



Condition: 3m VERTICAL

Job No : 00519TL

Mode : 5310 Band edge  
: 5G Wi-Fi 11n40

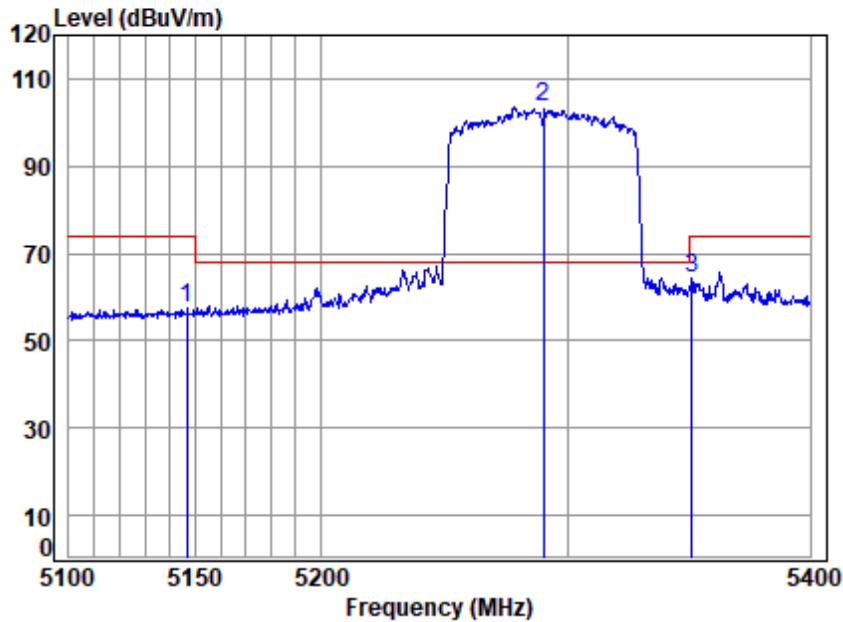
		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5310.000	10.31	32.72	30.78	86.76	99.01	-----	-----	Average
2 pp	5350.020	10.45	32.80	30.76	37.32	49.81	54.00	-4.19	Average
3	5351.075	10.45	32.80	30.76	37.30	49.79	54.00	-4.21	Average



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



Condition: 3m HORIZONTAL

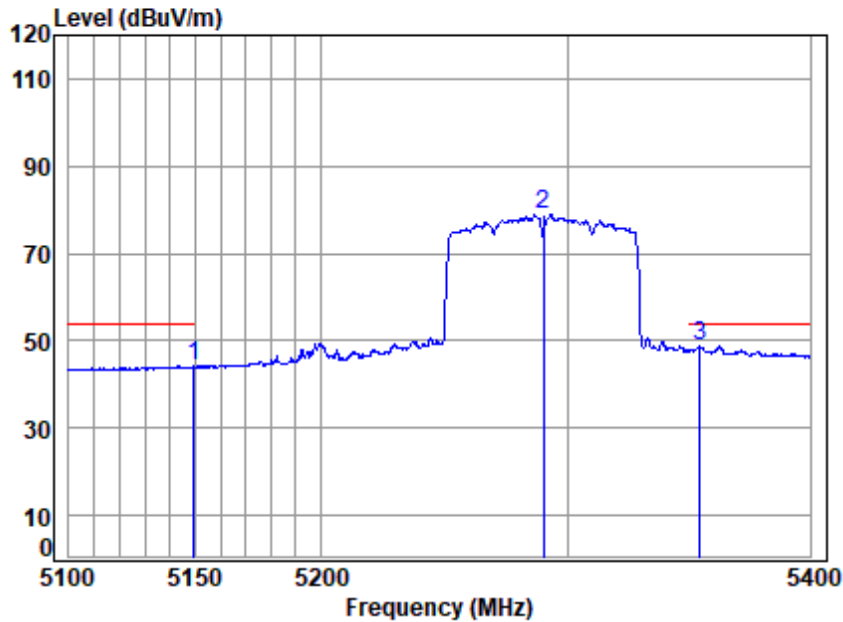
Job No : 00519TL

Mode : 5290 Band edge  
: 5G Wi-Fi 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	5146.855	10.13	32.39	30.84	45.98	57.66	74.00	-16.34	peak
2 pp	5290.000	10.28	32.68	30.78	91.17	103.35	68.20	35.15	peak
3	5351.146	10.45	32.80	30.76	51.72	64.21	74.00	-9.79	peak



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



Condition: 3m HORIZONTAL

Job No : 00519TL

Mode : 5290 Band edge

: 5G Wi-Fi 11ac80

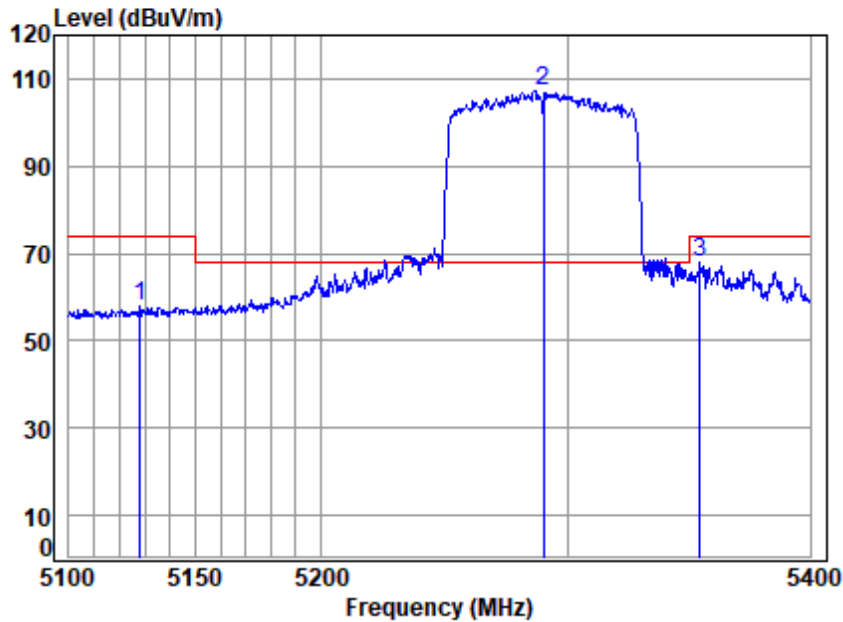
		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5149.503	10.14	32.40	30.84	32.52	44.22	54.00	-9.78	Average
2	5290.000	10.28	32.68	30.78	66.90	79.08	-----	-----	Average
3 pp	5354.206	10.46	32.80	30.76	36.16	48.66	54.00	-5.34	Average



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



Condition: 3m VERTICAL

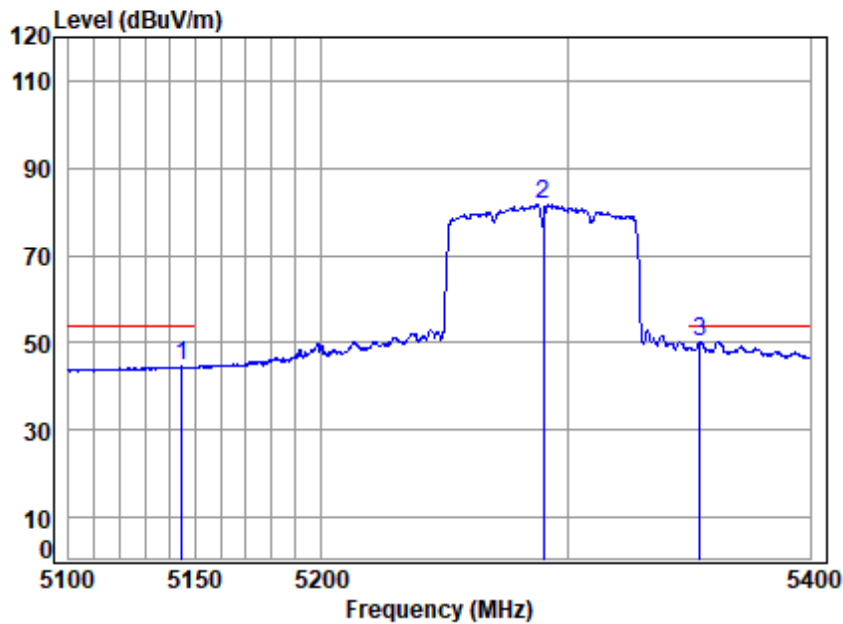
Job No : 00519TL

Mode : 5290 Band edge  
: 5G Wi-Fi 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	5128.062	10.06	32.36	30.85	46.17	57.74	74.00	-16.26	Peak
2 pp	5290.000	10.28	32.68	30.78	95.25	107.43	68.20	39.23	Peak
3	5354.512	10.47	32.80	30.76	55.63	68.14	74.00	-5.86	Peak



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



Condition: 3m VERTICAL

Job No : 00519TL

Mode : 5290 Band edge  
: 5G Wi-Fi 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	5144.796	10.12	32.39	30.84	32.93	44.60	54.00	-9.40 Average
2	5290.000	10.28	32.68	30.78	69.51	81.69	-----	----- Average
3 pp	5354.206	10.46	32.80	30.76	37.72	50.22	54.00	-3.78 Average



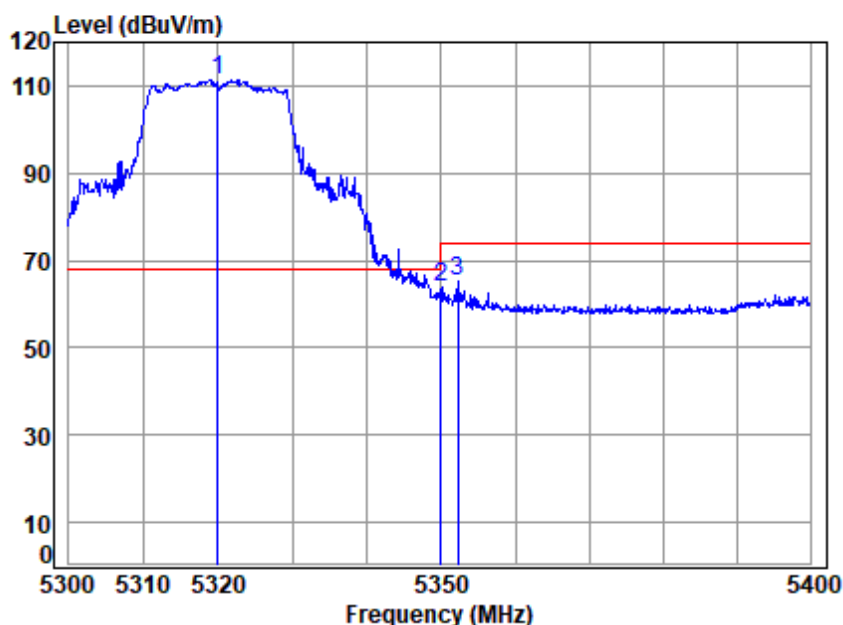
## SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

SZEMC-TRF-01 Rev. A/1

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Test Mode: 02; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:High



Condition: 3m HORIZONTAL

Job No : 00519TL

Mode : 5320 Band edge

: 5G Wi-Fi 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 pp	5320.000	10.35	32.74	30.77	99.07	111.39	68.20	43.19	peak
2	5350.020	10.45	32.80	30.76	51.25	63.74	74.00	-10.26	peak
3	5352.267	10.46	32.80	30.76	52.56	65.06	74.00	-8.94	peak



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Shenzhen Branch Inspection & Testing Laboratory

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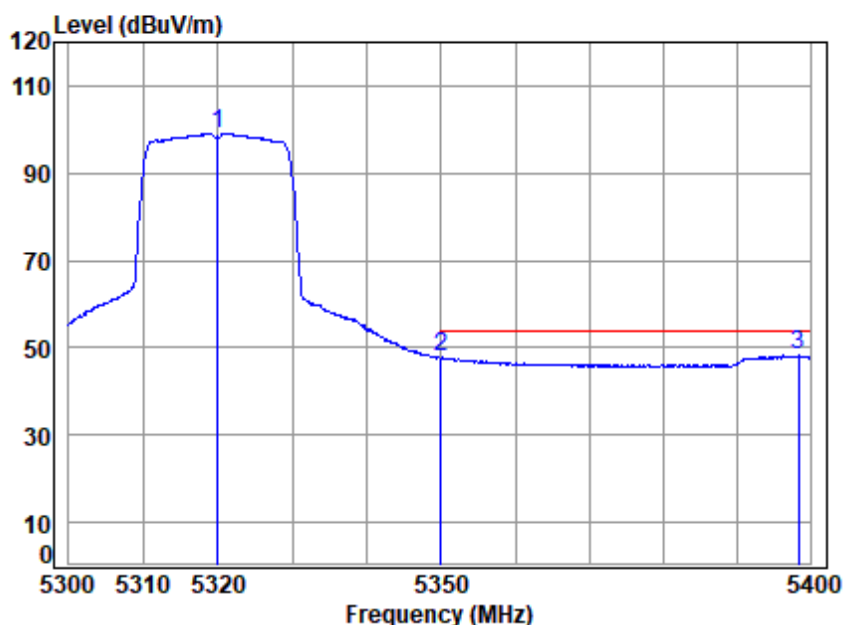
## SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250200051903

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Test Mode: 02; Polarity: Horizontal; Modulation: 802.11ax(Full RU0); Bandwidth: 20MHz; Channel: High



Condition: 3m HORIZONTAL

Job No : 00519TL

Mode : 5320 Band edge

: 5G Wi-Fi 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	5320.000	10.35	32.74	30.77	86.82	99.14	-----	-----	Average
2	5350.020	10.45	32.80	30.76	35.29	47.78	54.00	-6.22	Average
3 pp	5398.385	10.61	32.80	30.74	35.54	48.21	54.00	-5.79	Average



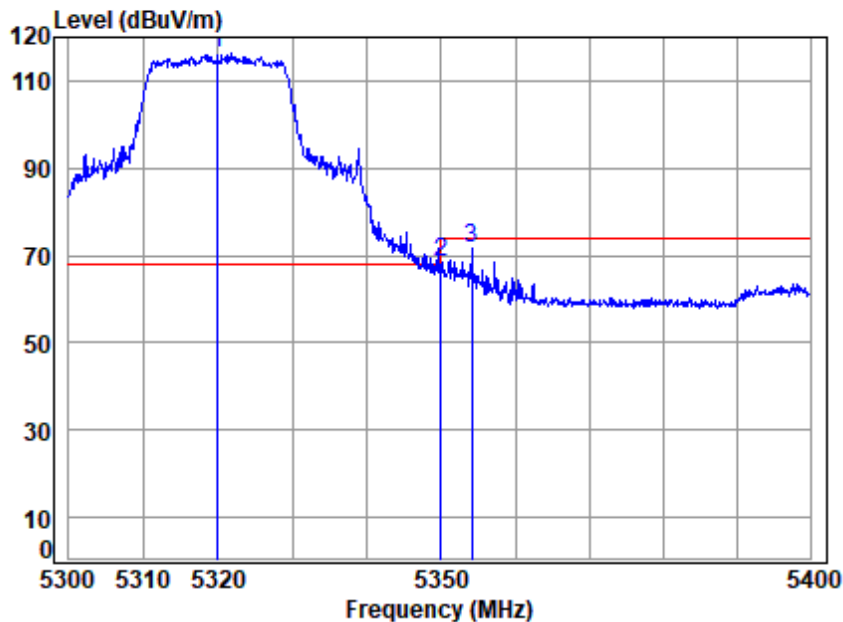
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Test Mode: 02; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:High



Condition: 3m VERTICAL

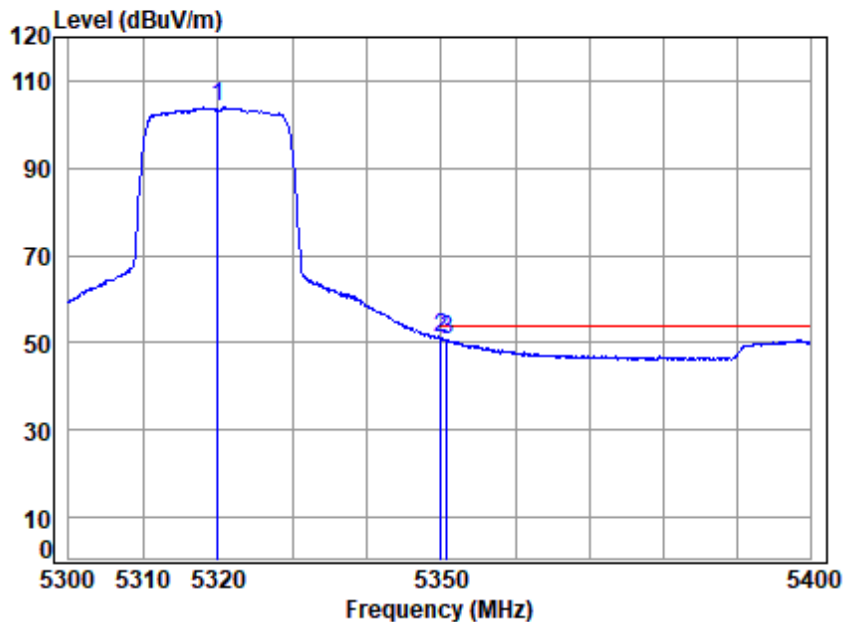
Job No : 00519TL

Mode : 5320 Band edge  
: 5G Wi-Fi 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 pp	5320.000	10.35	32.74	30.77	104.12	116.44	68.20	48.24	Peak
2	5350.020	10.45	32.80	30.76	55.97	68.46	74.00	-5.54	Peak
3	5354.068	10.46	32.80	30.76	59.34	71.84	74.00	-2.16	Peak



Test Mode: 02; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:High



Condition: 3m VERTICAL

Job No : 00519TL

Mode : 5320 Band edge  
: 5G Wi-Fi 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	5320.000	10.35	32.74	30.77	91.55	103.87	-----	-----	Average
2 pp	5350.020	10.45	32.80	30.76	38.56	51.05	54.00	-2.95	Average
3	5350.767	10.45	32.80	30.76	38.11	50.60	54.00	-3.40	Average



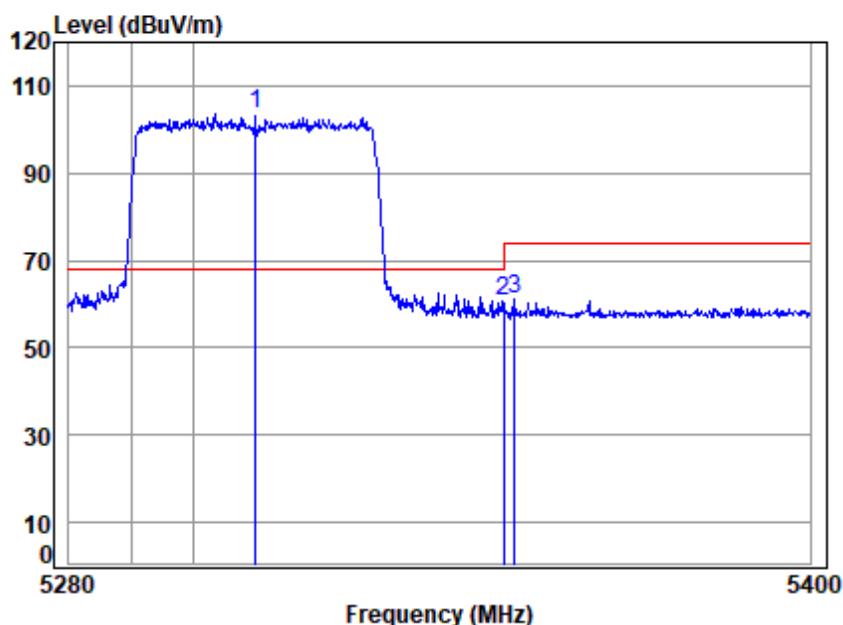
## SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

SZEMC-TRF-01 Rev. A/1

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Test Mode: 02; Polarity: Horizontal; Modulation: 802.11ax(Full RU0); Bandwidth: 40MHz; Channel: High



Condition: 3m HORIZONTAL

Job No : 00519TL

Mode : 5310 Band edge

: 5G Wi-Fi 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 pp	5310.000	10.31	32.72	30.78	91.16	103.41	68.20	35.21	peak
2	5350.020	10.45	32.80	30.76	48.24	60.73	74.00	-13.27	peak
3	5351.917	10.46	32.80	30.76	48.44	60.94	74.00	-13.06	peak



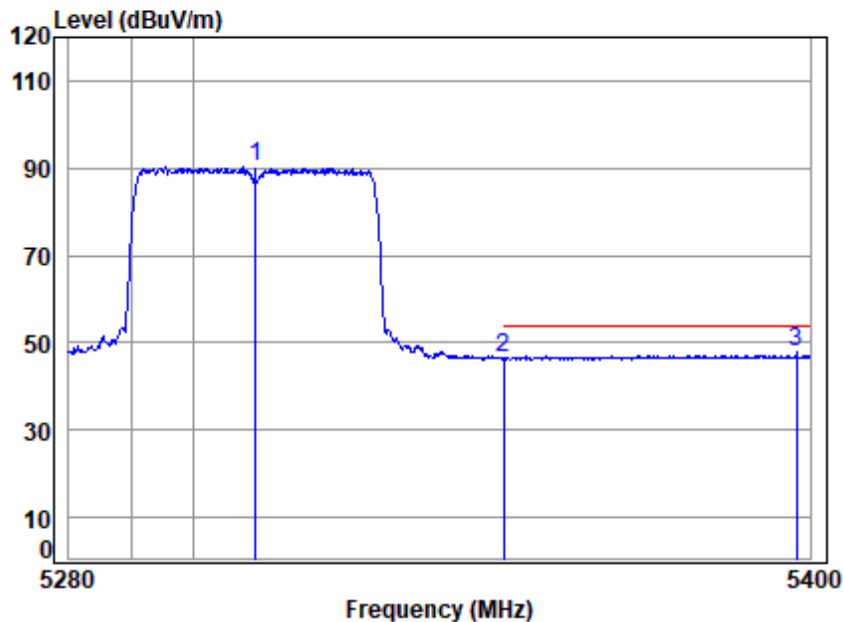
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Test Mode: 02; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:High



Condition: 3m HORIZONTAL

Job No : 00519TL

Mode : 5310 Band edge

: 5G Wi-Fi 11ax40

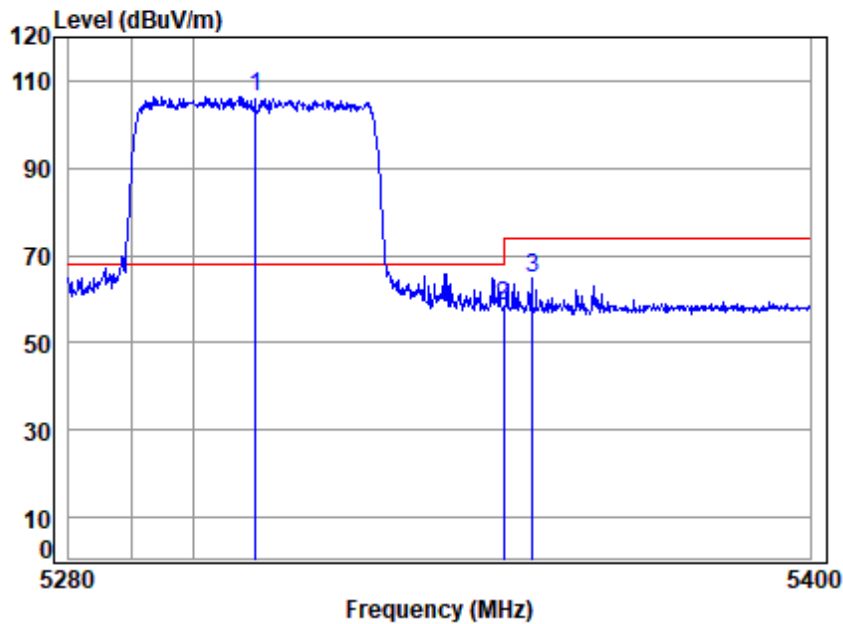
	Cable	Ant	Preamp	Read		Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 5310.000	10.31	32.72	30.78	77.87	90.12	-----	-----	Average
2 5350.020	10.45	32.80	30.76	34.17	46.66	54.00	-7.34	Average
3 pp 5397.816	10.61	32.80	30.74	35.02	47.69	54.00	-6.31	Average



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Test Mode: 02; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:High



Condition: 3m VERTICAL

Job No : 00519TL

Mode : 5310 Band edge  
: 5G Wi-Fi 11ax40

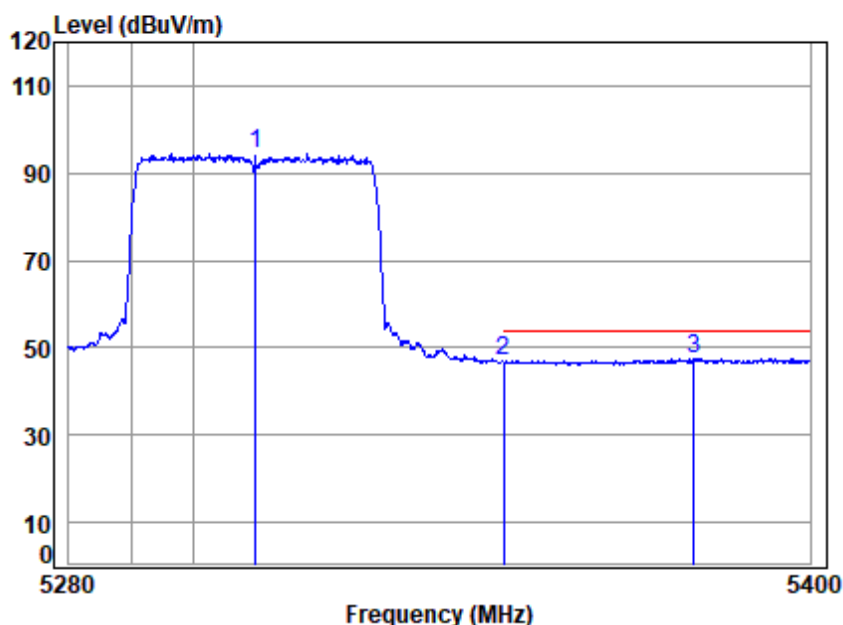
		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5310.000	10.31	32.72	30.78	93.96	106.21	68.20	38.01	Peak
2	5350.020	10.45	32.80	30.76	45.74	58.23	74.00	-15.77	Peak
3	5354.684	10.47	32.80	30.76	52.14	64.65	74.00	-9.35	Peak



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Test Mode: 02; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:High



Condition: 3m VERTICAL

Job No : 00519TL

Mode : 5310 Band edge

: 5G Wi-Fi 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 5310.000	10.31	32.72	30.78	82.18	94.43	-----	-----	Average
2 5350.020	10.45	32.80	30.76	34.43	46.92	54.00	-7.08	Average
3 pp 5380.981	10.56	32.80	30.75	35.04	47.65	54.00	-6.35	Average



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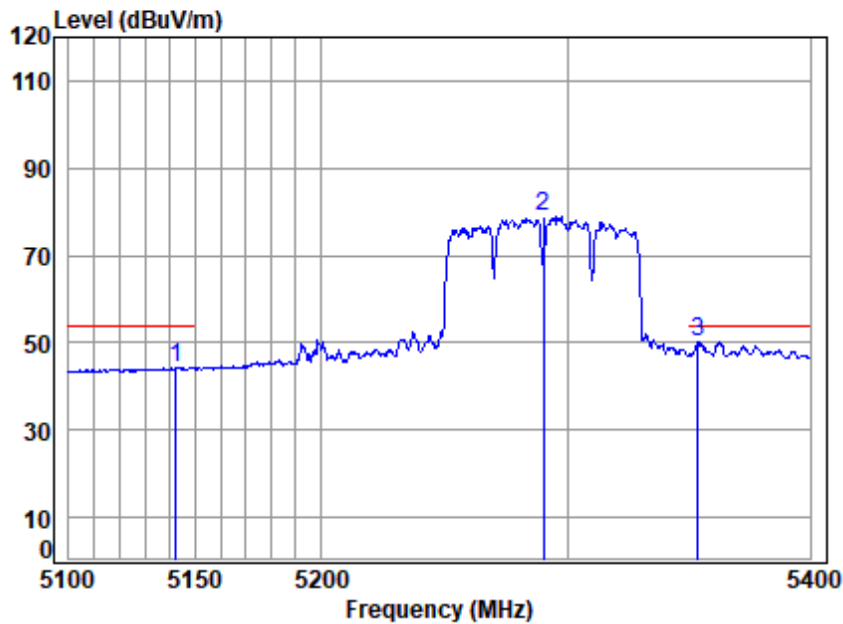
## SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250200051903

Page: 132 of 496

Test Mode: 02; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:80MHz; Channel:middle



Condition: 3m HORIZONTAL

Job No : 00519TL

Mode : 5290 Band edge  
: 5G Wi-Fi 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	5142.444	10.11	32.38	30.84	32.64	44.29	54.00	-9.71 Average
2	5290.000	10.28	32.68	30.78	66.84	79.02	-----	----- Average
3 pp	5353.594	10.46	32.80	30.76	37.91	50.41	54.00	-3.59 Average



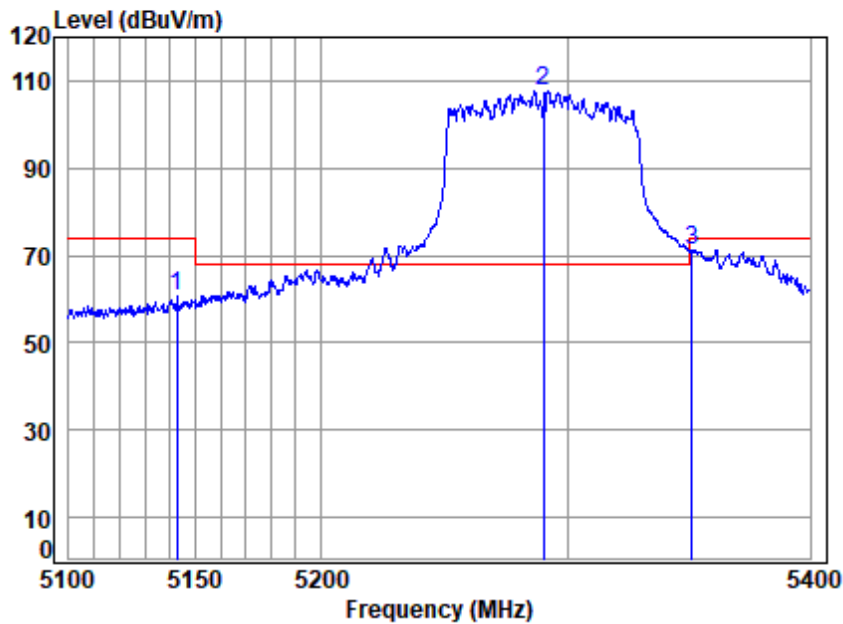
SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch Inspection & Testing Laboratory

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No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn  
中国·广东·深圳市南山区科技园中区M-10栋1号厂房 邮编:518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

Test Mode: 02; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:80MHz; Channel:middle



Condition: 3m VERTICAL

Job No : 00519TL

Mode : 5290 Band edge  
: 5G Wi-Fi 11ax80

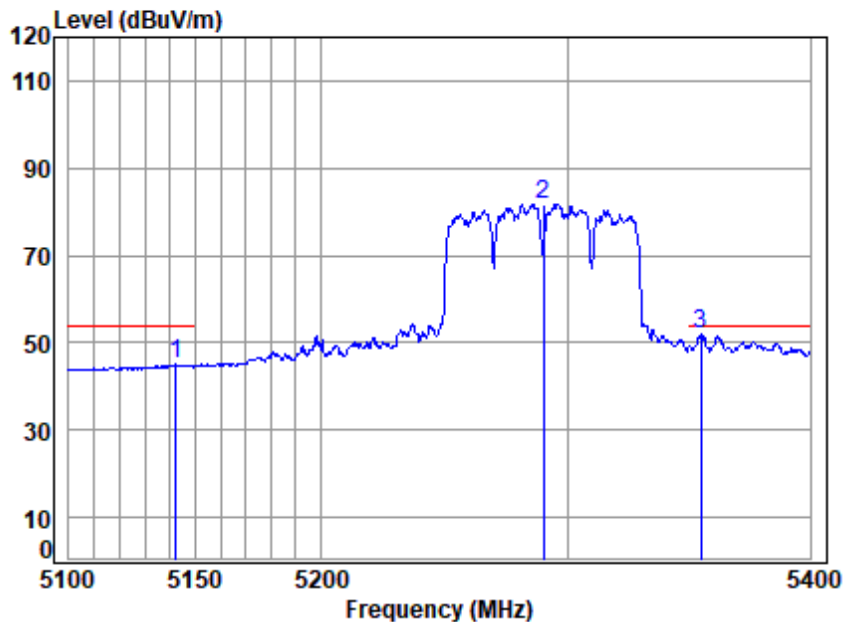
		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5142.738	10.11	32.39	30.84	48.84	60.50	74.00	-13.50	Peak
2 pp	5290.000	10.28	32.68	30.78	95.44	107.62	68.20	39.42	Peak
3	5351.146	10.45	32.80	30.76	58.80	71.29	74.00	-2.71	Peak



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Test Mode: 02; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:80MHz; Channel:middle



Condition: 3m VERTICAL

Job No : 00519TL

Mode : 5290 Band edge  
: 5G Wi-Fi 11ax80

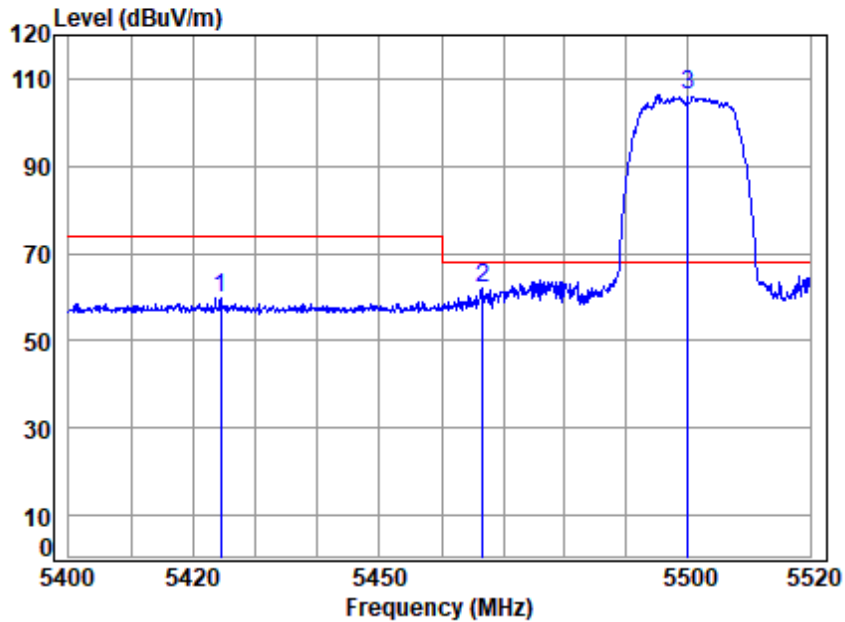
	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 5142.150	10.11	32.38	30.84	33.51	45.16	54.00	-8.84	Average
2 5290.000	10.28	32.68	30.78	69.67	81.85	-----	-----	Average
3 pp 5354.818	10.47	32.80	30.76	39.44	51.95	54.00	-2.05	Average



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



Condition: 3m HORIZONTAL

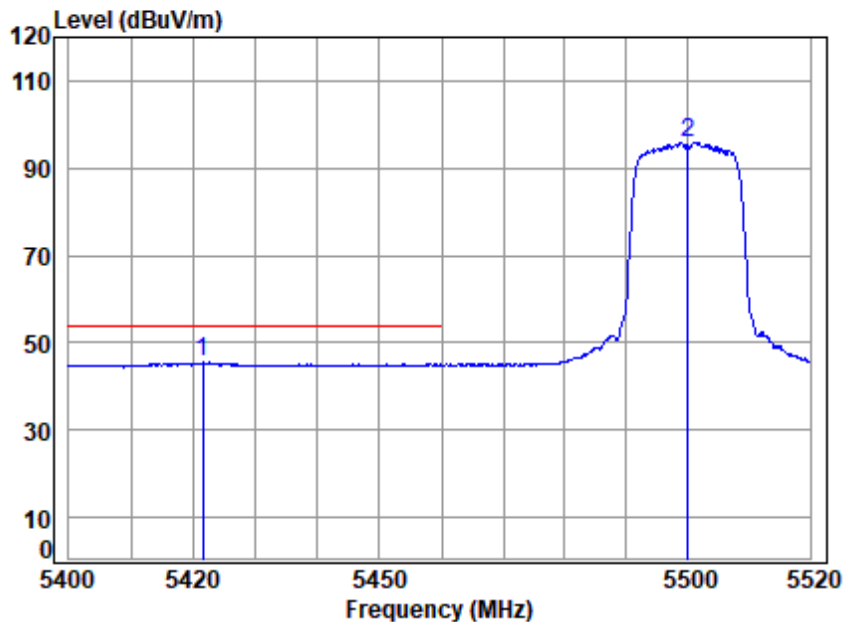
Job No : 00519TL

Mode : 5500 Band edge  
: 5G Wi-Fi 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	5424.386	10.61	32.85	30.73	47.03	59.76	74.00	-14.24	peak
2	5466.635	10.59	32.90	30.71	49.07	61.85	68.20	-6.35	peak
3 pp	5500.000	10.58	32.90	30.70	93.68	106.46	68.20	38.26	peak



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



Condition: 3m HORIZONTAL

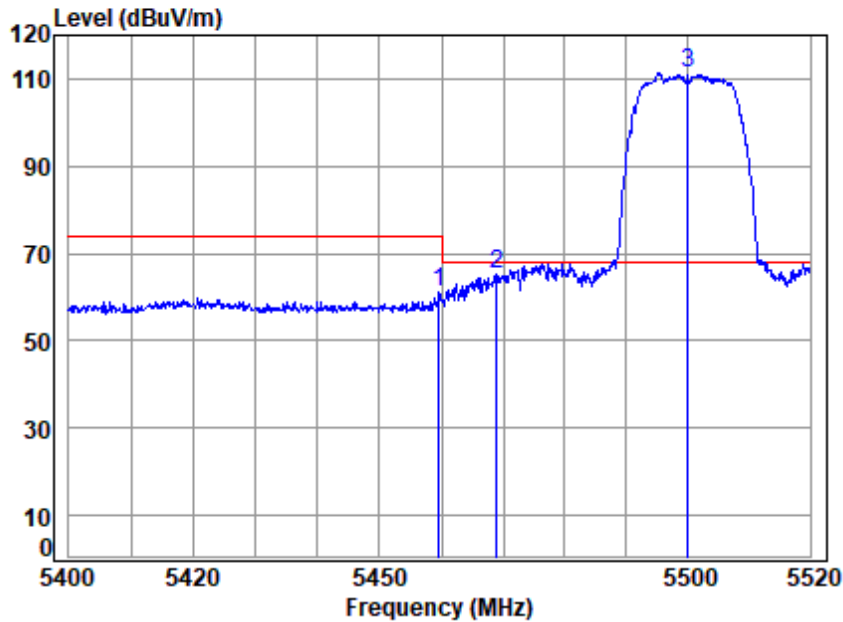
Job No : 00519TL

Mode : 5500 Band edge  
: 5G Wi-Fi 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 pp	5421.525	10.61	32.84	30.73	32.75	45.47	54.00	-8.53	Average
2	5500.000	10.58	32.90	30.70	83.13	95.91	-----	-----	Average



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



Condition: 3m VERTICAL

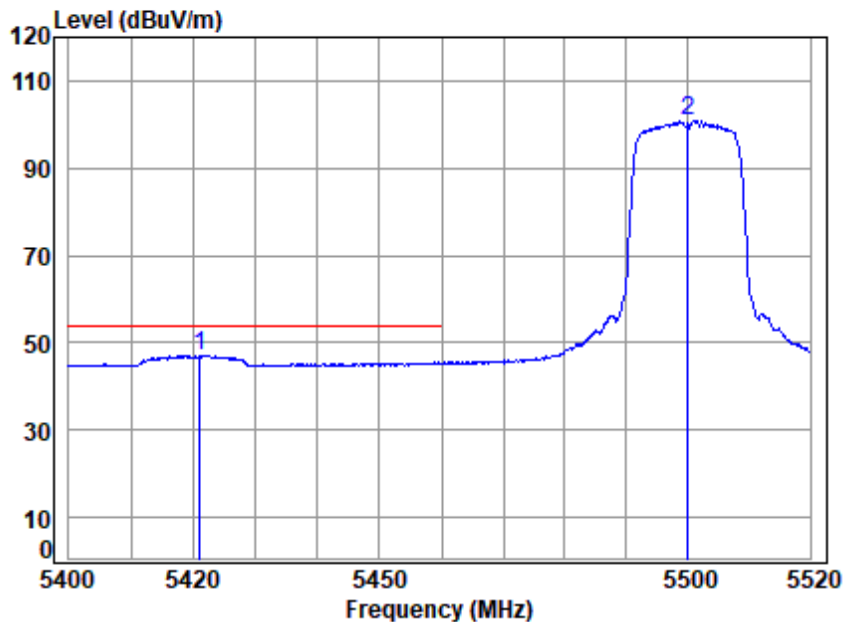
Job No : 00519TL

Mode : 5500 Band edge  
: 5G Wi-Fi 11a

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5459.550	10.60	32.90	30.72	48.15	60.93	74.00	-13.07	Peak
2	5468.918	10.59	32.90	30.71	52.25	65.03	68.20	-3.17	peak
3 pp	5500.000	10.58	32.90	30.70	98.42	111.20	68.20	43.00	Peak



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



Condition: 3m VERTICAL

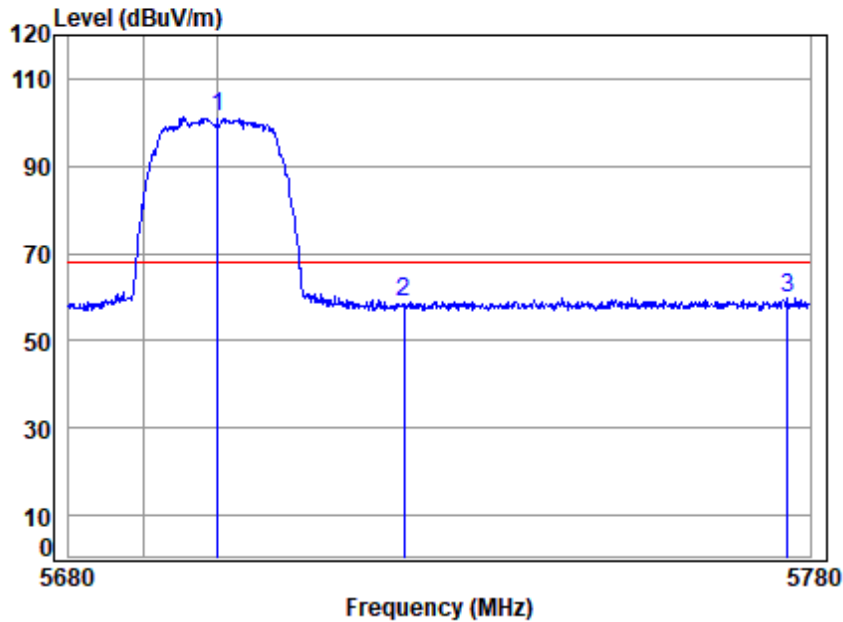
Job No : 00519TL

Mode : 5500 Band edge  
: 5G Wi-Fi 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 pp	5421.048	10.61	32.84	30.73	34.39	47.11	54.00	-6.89	Average
2	5500.000	10.58	32.90	30.70	88.01	100.79	-----	-----	Average



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



Condition: 3m HORIZONTAL

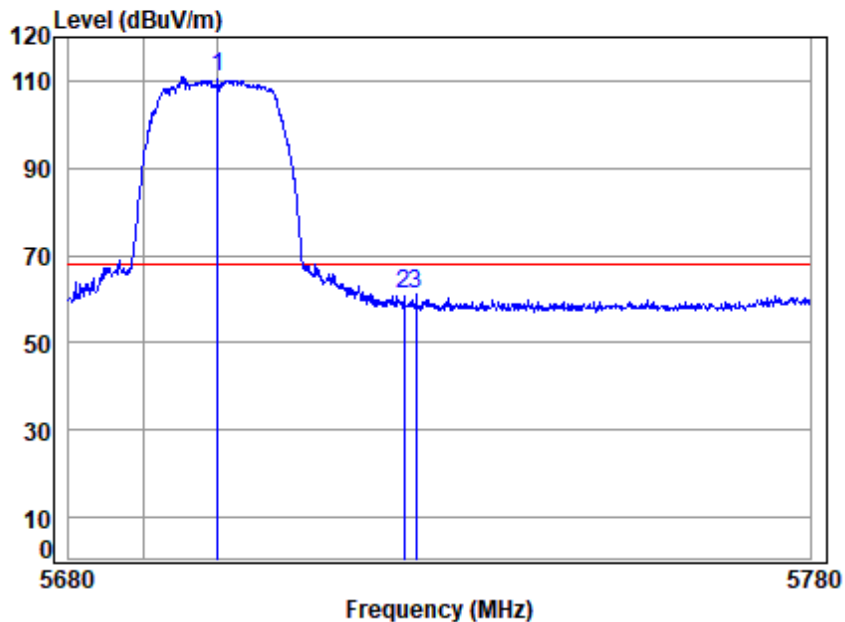
Job No : 00519TL

Mode : 5700 Band edge  
: 5G Wi-Fi 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 pp	5700.000	10.56	33.20	30.62	87.97	101.11	68.20	32.91	peak
2	5725.000	10.68	33.25	30.61	45.59	58.91	68.20	-9.29	peak
3	5776.975	10.91	33.35	30.59	46.08	59.75	68.20	-8.45	peak



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



Condition: 3m VERTICAL

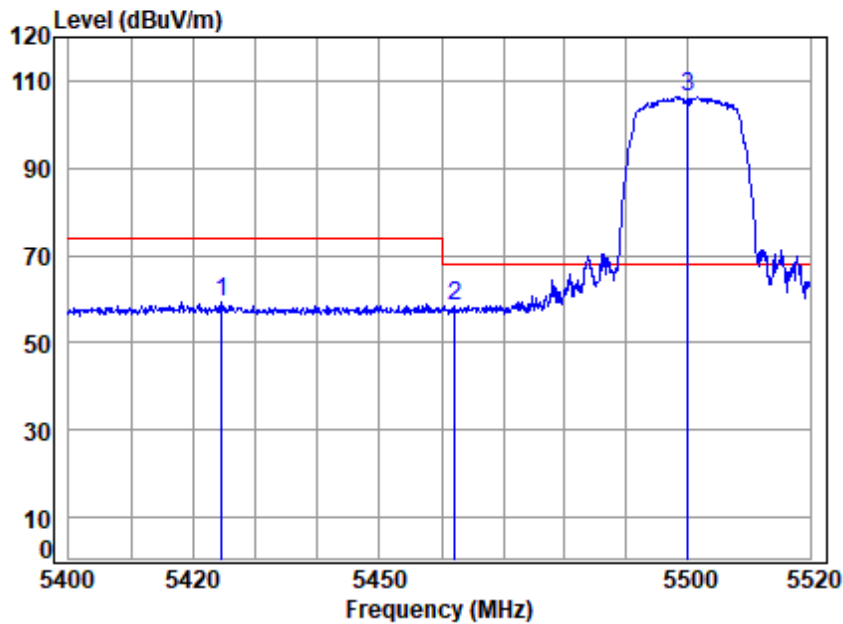
Job No : 00519TL

Mode : 5700 Band edge  
: 5G Wi-Fi 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 pp	5700.000	10.56	33.20	30.62	97.73	110.87	68.20	42.67	Peak
2	5725.000	10.68	33.25	30.61	47.73	61.05	68.20	-7.15	Peak
3	5726.683	10.68	33.25	30.61	47.73	61.05	68.20	-7.15	Peak



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



Condition: 3m HORIZONTAL

Job No : 00519TL

Mode : 5500 Band edge  
: 5G Wi-Fi 11n20

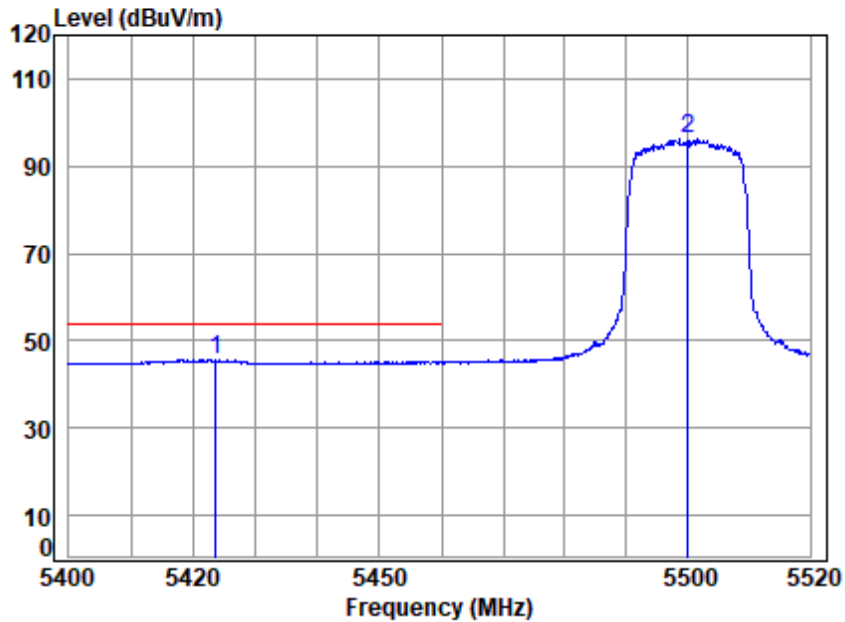
		Cable	Ant	Preamp	Read		Limit	Over	
Freq	Loss	Factor	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5424.624	10.61	32.85	30.73	46.81	59.54	74.00	-14.46	peak
2	5462.191	10.60	32.90	30.72	45.67	58.45	68.20	-9.75	peak
3	pp 5500.000	10.58	32.90	30.70	93.64	106.42	68.20	38.22	peak



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



Condition: 3m HORIZONTAL

Job No : 00519TL

Mode : 5500 Band edge  
: 5G Wi-Fi 11n20

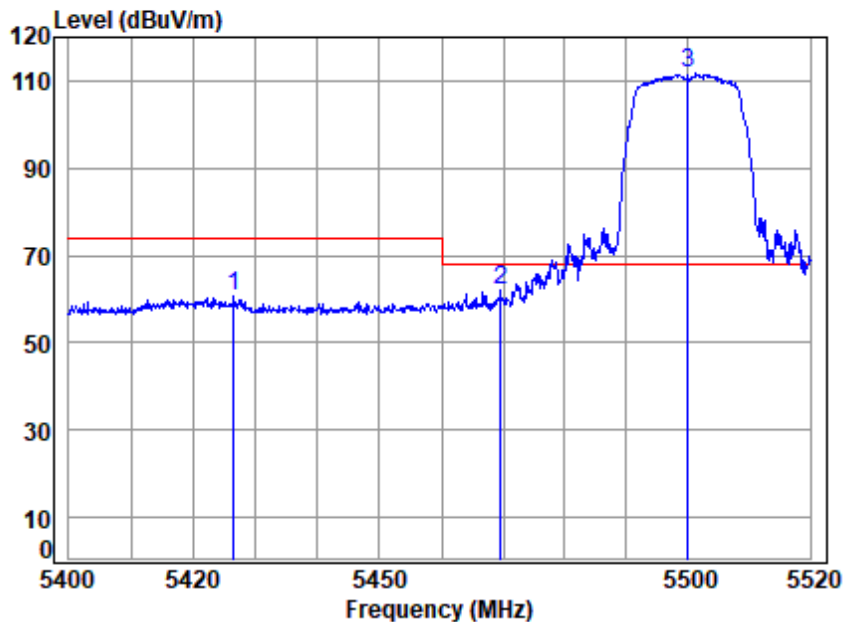
		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5423.551	10.61	32.85	30.73	32.90	45.63	54.00	-8.37	Average
2	5500.000	10.58	32.90	30.70	83.33	96.11	-----	-----	Average



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



Condition: 3m VERTICAL

Job No : 00519TL

Mode : 5500 Band edge  
: 5G Wi-Fi 11n20

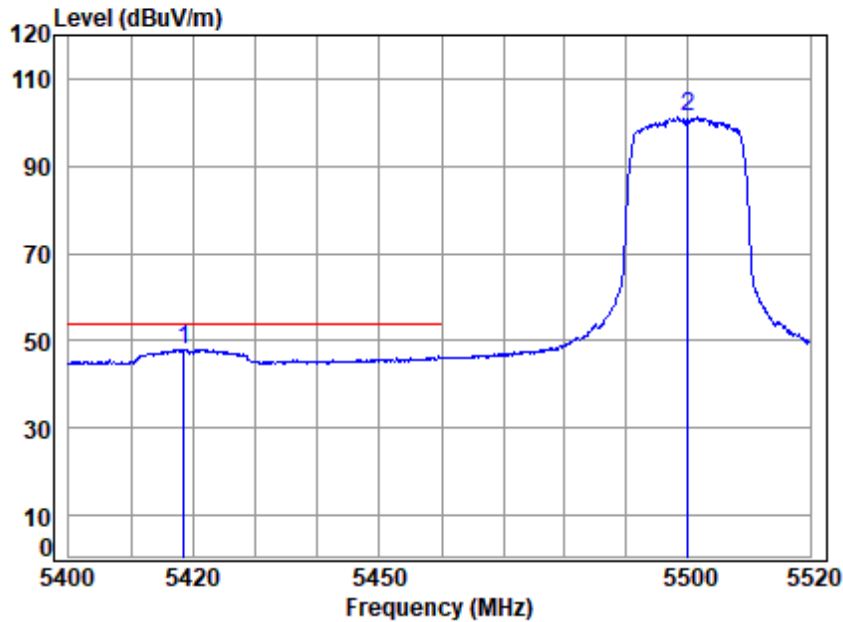
	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5426.532	10.61	32.85	30.73	47.87	60.60	74.00	-13.40 Peak
2 5469.519	10.59	32.90	30.71	49.24	62.02	68.20	-6.18 peak
3 pp 5500.000	10.58	32.90	30.70	98.79	111.57	68.20	43.37 Peak



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



Condition: 3m VERTICAL

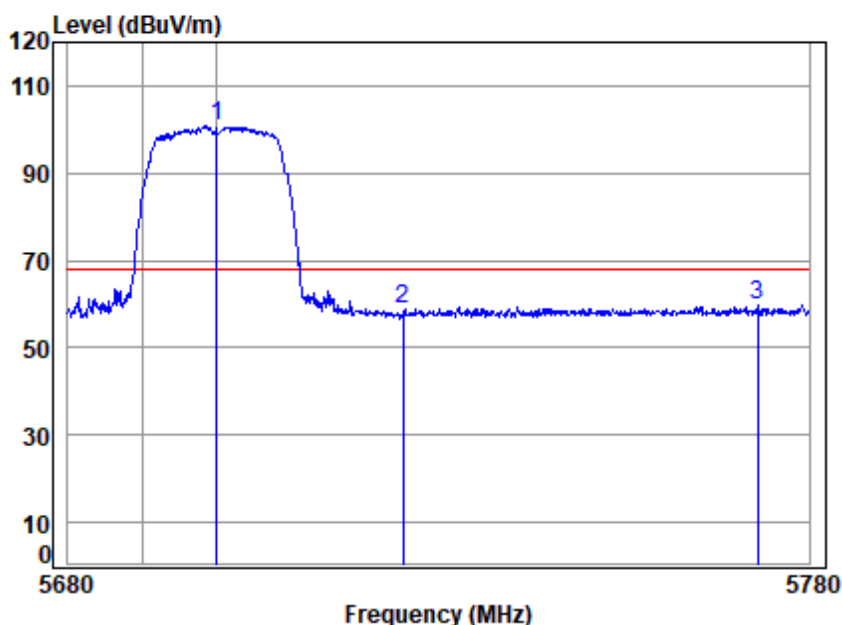
Job No : 00519TL

Mode : 5500 Band edge  
: 5G Wi-Fi 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 pp	5418.428	10.61	32.84	30.73	35.29	48.01	54.00	-5.99	Average
2	5500.000	10.58	32.90	30.70	88.34	101.12	-----	-----	Average



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



Condition: 3m HORIZONTAL

Job No : 00519TL

Mode : 5700 Band edge  
: 5G Wi-Fi 11n20

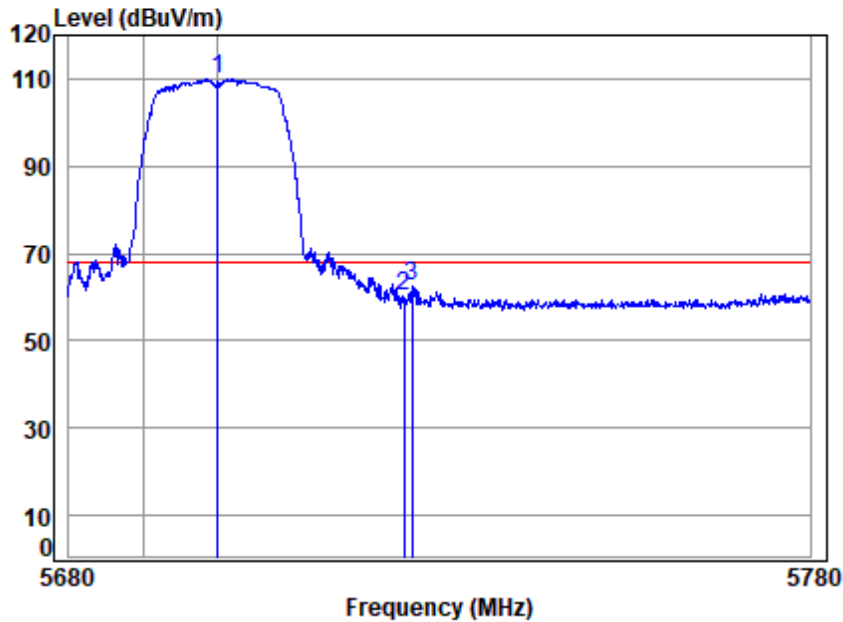
		Cable	Ant	Preamp	Read		Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5700.000	10.56	33.20	30.62	87.50	100.64	68.20	32.44	peak
2	5725.000	10.68	33.25	30.61	45.64	58.96	68.20	-9.24	peak
3	5772.943	10.90	33.35	30.59	46.21	59.87	68.20	-8.33	peak



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



Condition: 3m VERTICAL

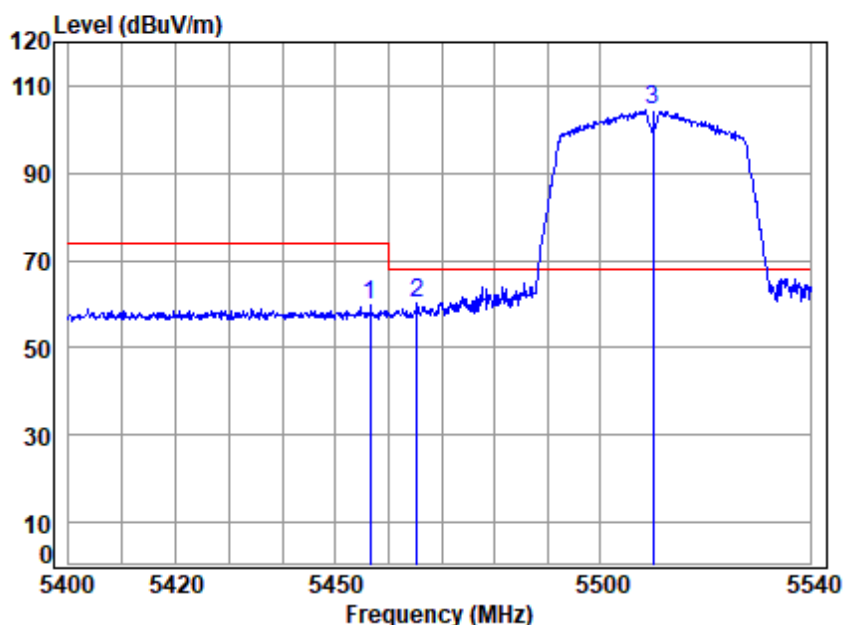
Job No : 00519TL

Mode : 5700 Band edge  
: 5G Wi-Fi 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 pp	5700.000	10.56	33.20	30.62	96.87	110.01	68.20	41.81	Peak
2	5725.000	10.68	33.25	30.61	47.03	60.35	68.20	-7.85	Peak
3	5726.083	10.68	33.25	30.61	49.03	62.35	68.20	-5.85	Peak



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



Condition: 3m HORIZONTAL

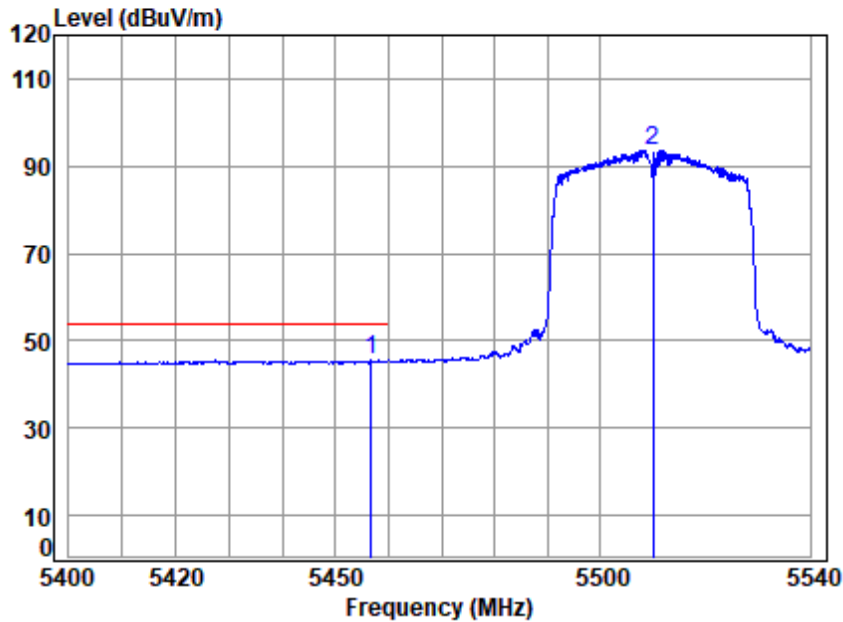
Job No : 00519TL

Mode : 5510 Band edge  
: 5G Wi-Fi 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	5456.548	10.60	32.90	30.72	47.12	59.90	74.00	-14.10	peak
2	5465.354	10.59	32.90	30.71	47.38	60.16	68.20	-8.04	peak
3 pp	5510.000	10.56	32.90	30.70	91.53	104.29	68.20	36.09	peak



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



Condition: 3m HORIZONTAL

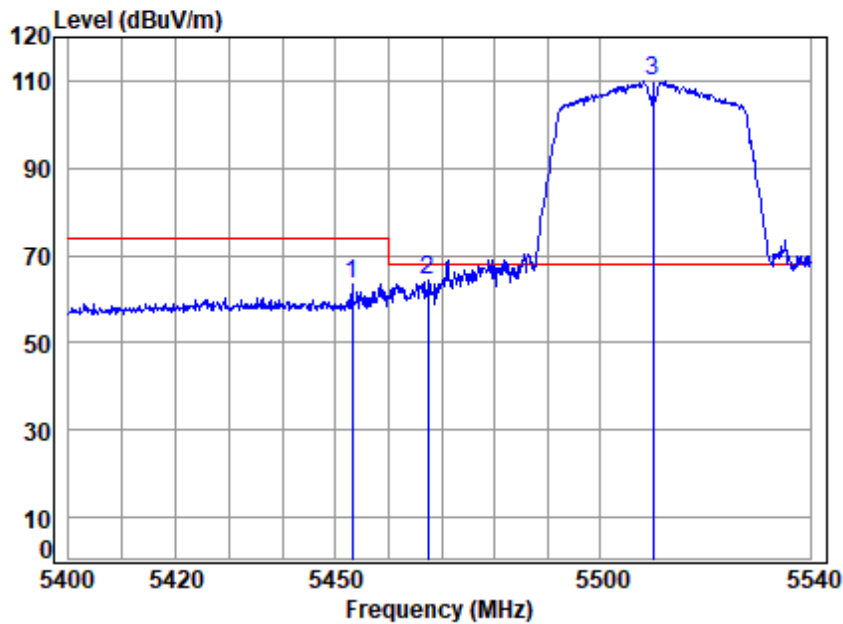
Job No : 00519TL

Mode : 5510 Band edge  
: 5G Wi-Fi 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 pp 5456.688	10.60	32.90	30.72	32.71	45.49	54.00	-8.51	Average
2 5510.000	10.56	32.90	30.70	81.00	93.76	-----	-----	Average



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



Condition: 3m VERTICAL

Job No : 00519TL

Mode : 5510 Band edge  
: 5G Wi-Fi 11n40

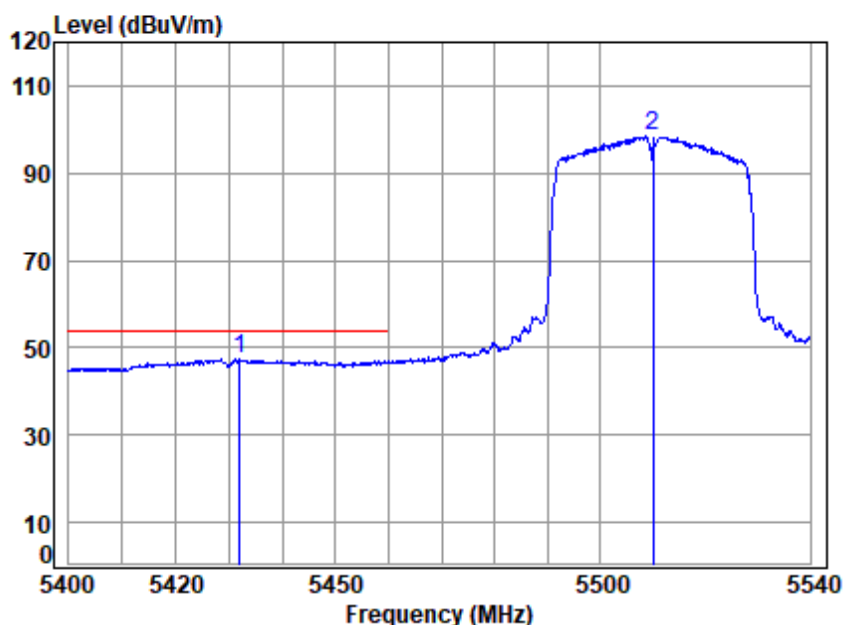
	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5453.058	10.60	32.90	30.72	50.53	63.31	74.00 -10.69 Peak
2	5467.453	10.59	32.90	30.71	51.58	64.36	68.20 -3.84 peak
3 pp	5510.000	10.56	32.90	30.70	97.13	109.89	68.20 41.69 Peak



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



Condition: 3m VERTICAL

Job No : 00519TL

Mode : 5510 Band edge

: 5G Wi-Fi 11n40

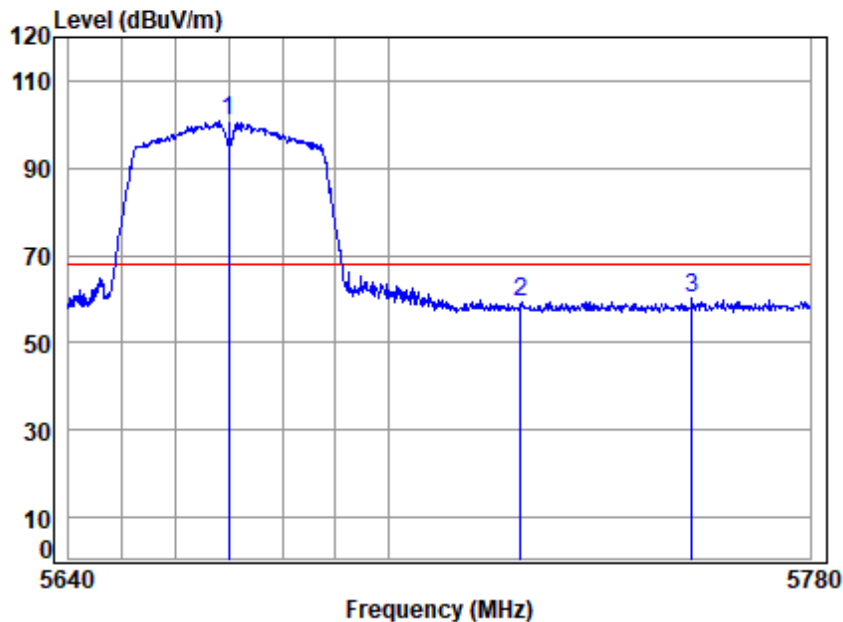
		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5431.883	10.61	32.86	30.73	34.56	47.30	54.00	-6.70	Average
2	5510.000	10.56	32.90	30.70	85.58	98.34	-----	-----	Average



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



Condition: 3m HORIZONTAL

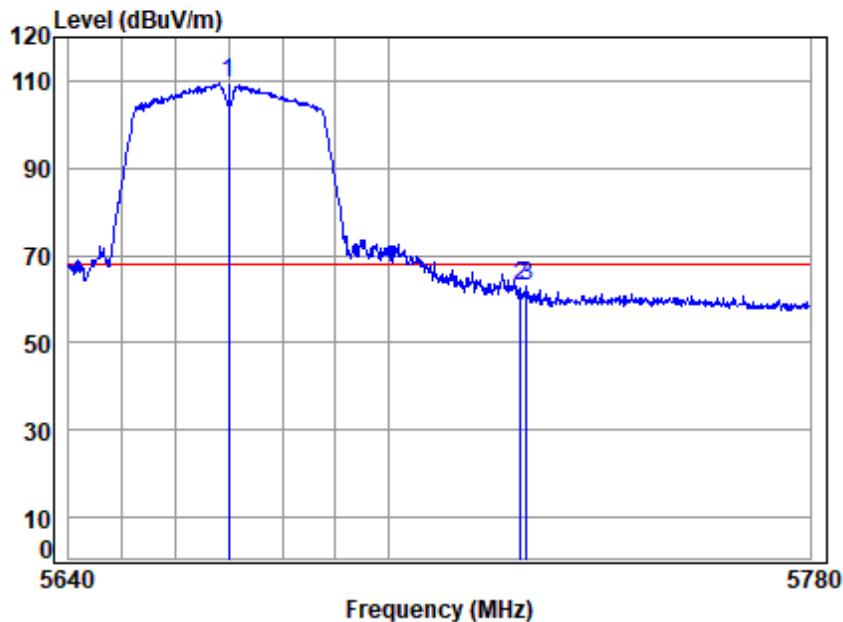
Job No : 00519TL

Mode : 5670 Band edge  
: 5G Wi-Fi 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 pp	5670.000	10.52	33.14	30.63	87.79	100.82	68.20	32.62	peak
2	5725.000	10.68	33.25	30.61	46.13	59.45	68.20	-8.75	peak
3	5757.510	10.82	33.32	30.60	46.50	60.04	68.20	-8.16	peak



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



Condition: 3m VERTICAL

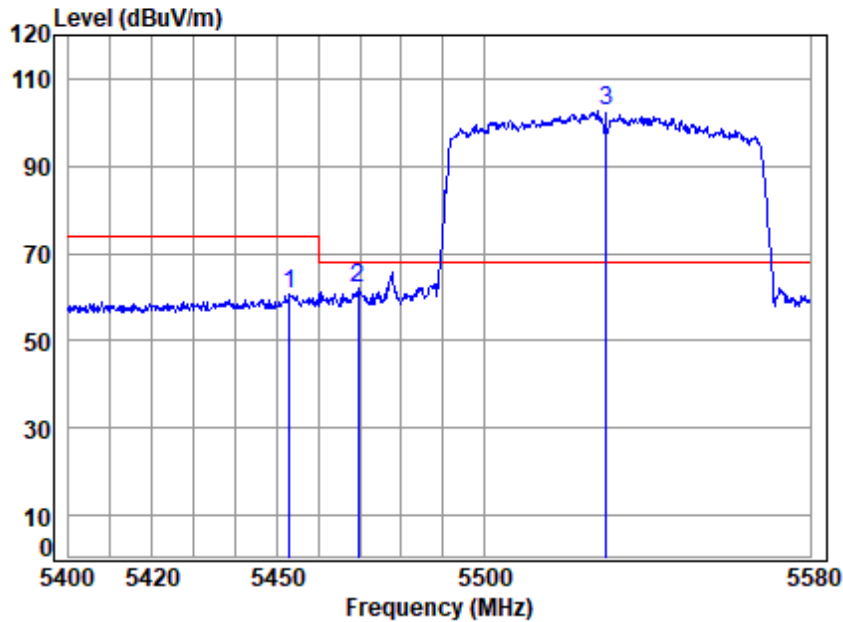
Job No : 00519TL

Mode : 5670 Band edge  
: 5G Wi-Fi 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 pp	5670.000	10.52	33.14	30.63	96.41	109.44	68.20	41.24	Peak
2	5725.000	10.68	33.25	30.61	49.64	62.96	68.20	-5.24	Peak
3	5726.114	10.68	33.25	30.61	49.64	62.96	68.20	-5.24	Peak



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



Condition: 3m HORIZONTAL

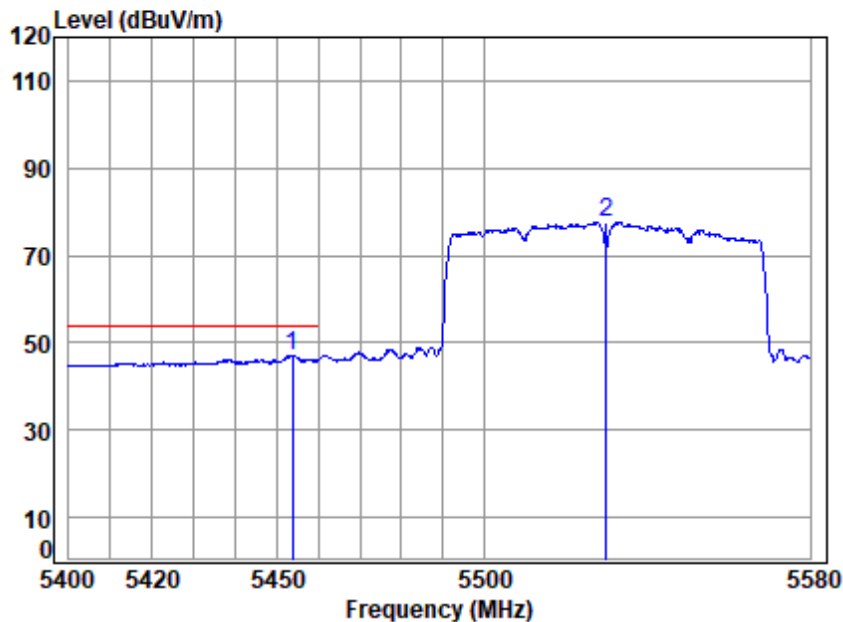
Job No : 00519TL

Mode : 5530 Band edge  
: 5G Wi-Fi 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 5453.024	10.60	32.90	30.72	48.09	60.87	74.00	-13.13 peak
2 5469.499	10.59	32.90	30.71	49.24	62.02	68.20	-6.18 peak
3 pp 5530.000	10.53	32.90	30.69	89.72	102.46	68.20	34.26 peak



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



Condition: 3m HORIZONTAL

Job No : 00519TL

Mode : 5530 Band edge  
: 5G Wi-Fi 11ac80

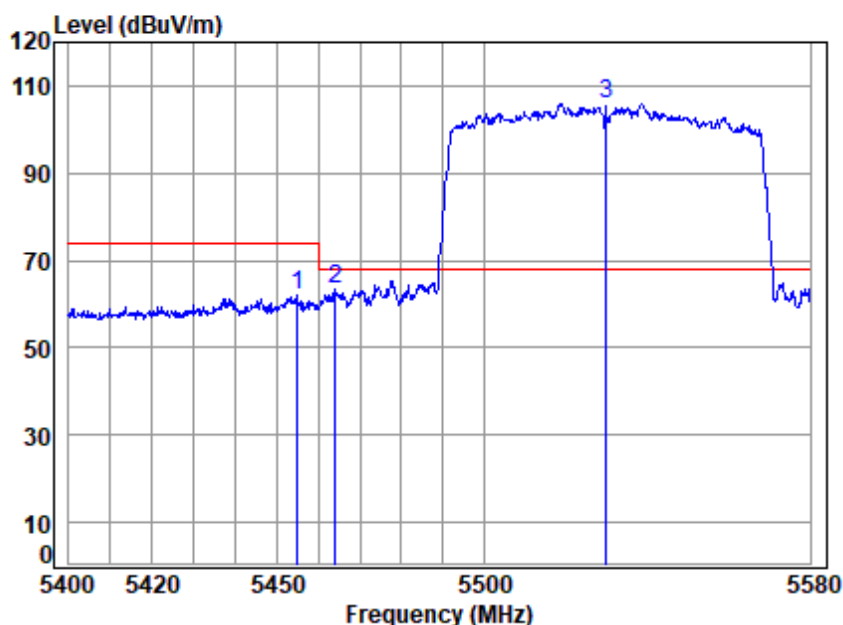
		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5453.739	10.60	32.90	30.72	34.42	47.20	54.00	-6.80	Average
2	5530.000	10.53	32.90	30.69	64.88	77.62	-----	-----	Average



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



Condition: 3m VERTICAL

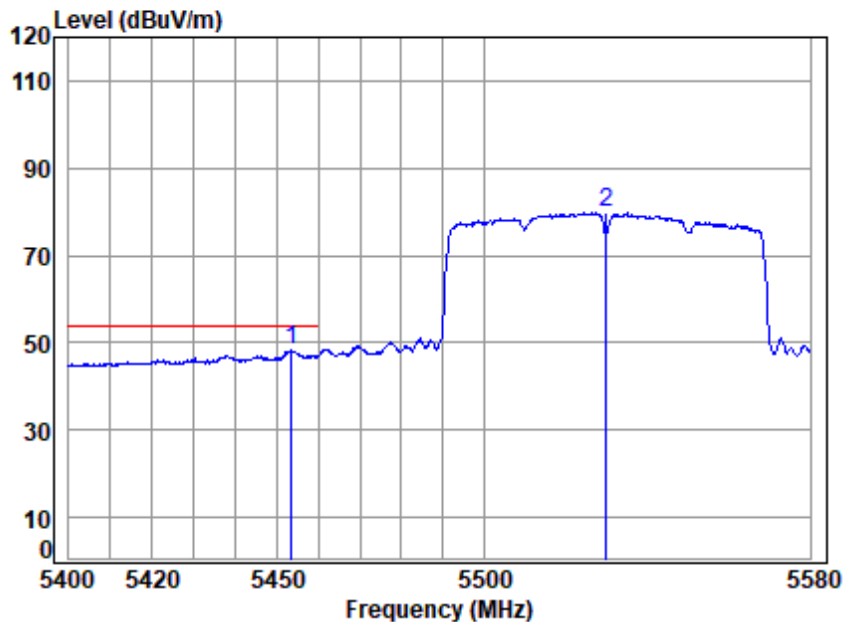
Job No : 00519TL

Mode : 5530 Band edge  
: 5G Wi-Fi 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 5454.813	10.60	32.90	30.72	49.37	62.15	74.00	-11.85 Peak
2 5464.121	10.59	32.90	30.71	50.76	63.54	68.20	-4.66 peak
3 pp 5530.000	10.53	32.90	30.69	93.19	105.93	68.20	37.73 Peak



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



Condition: 3m VERTICAL

Job No : 00519TL

Mode : 5530 Band edge  
: 5G Wi-Fi 11ac80

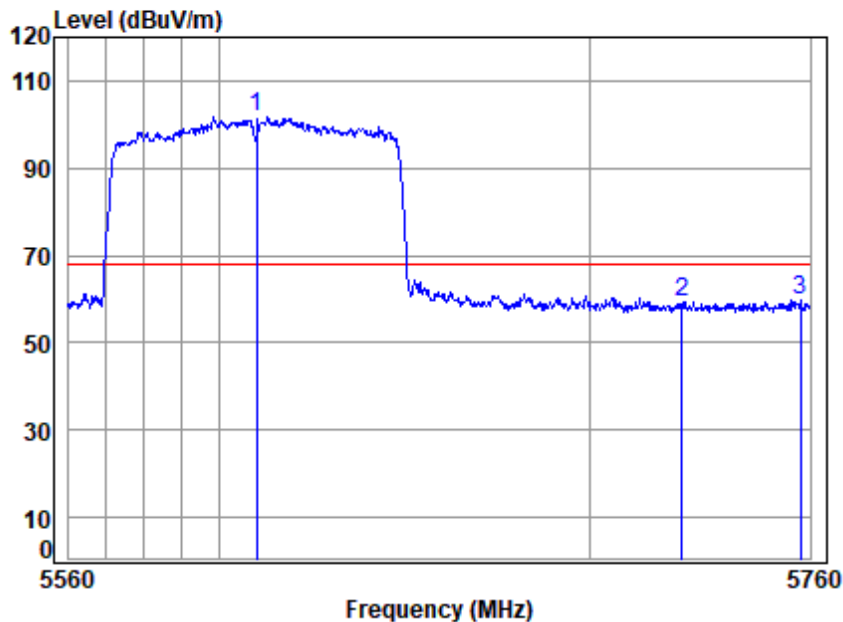
		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5453.382	10.60	32.90	30.72	35.40	48.18	54.00	-5.82	Average
2	5530.000	10.53	32.90	30.69	66.97	79.71	-----	-----	Average



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



Condition: 3m HORIZONTAL

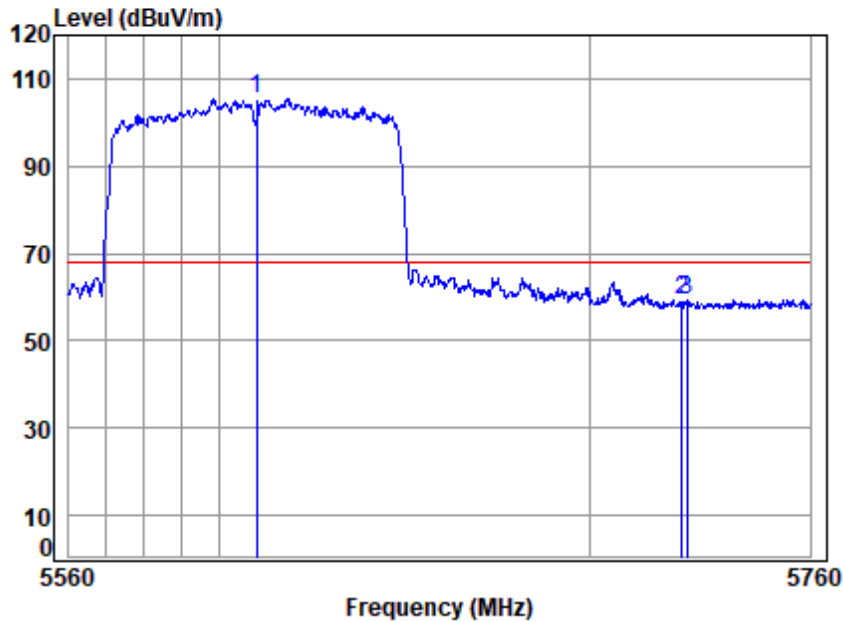
Job No : 00519TL

Mode : 5610 Band edge  
: 5G Wi-Fi 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 pp	5610.000	10.43	33.02	30.66	88.96	101.75	68.20	33.55	peak
2	5725.000	10.68	33.25	30.61	46.21	59.53	68.20	-8.67	peak
3	5757.354	10.82	33.31	30.60	46.11	59.64	68.20	-8.56	peak



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



Condition: 3m VERTICAL

Job No : 00519TL

Mode : 5610 Band edge  
: 5G Wi-Fi 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 pp	5610.000	10.43	33.02	30.66	92.82	105.61	68.20	37.41	Peak
2	5725.000	10.68	33.25	30.61	46.02	59.34	68.20	-8.86	peak
3	5726.309	10.68	33.25	30.61	46.02	59.34	68.20	-8.86	Peak



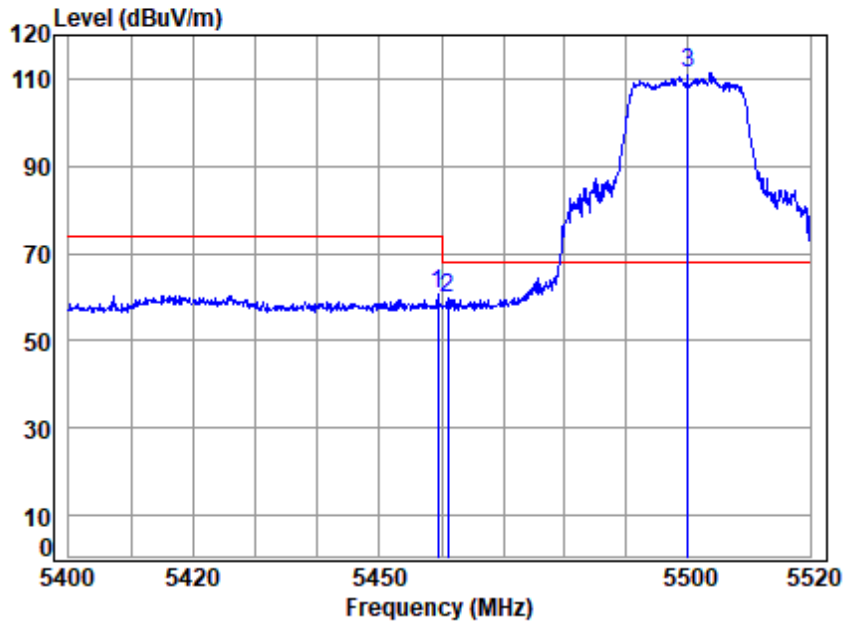
## SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250200051903

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Test Mode: 03; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:Low



Condition: 3m HORIZONTAL

Job No : 00519TL

Mode : 5500 Band edge

: 5G Wi-Fi 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	5459.430	10.60	32.90	30.72	47.80	60.58	74.00	-13.42 peak
2	5461.110	10.60	32.90	30.72	46.97	59.75	68.20	-8.45 peak
3	pp 5500.000	10.58	32.90	30.70	98.65	111.43	68.20	43.23 peak



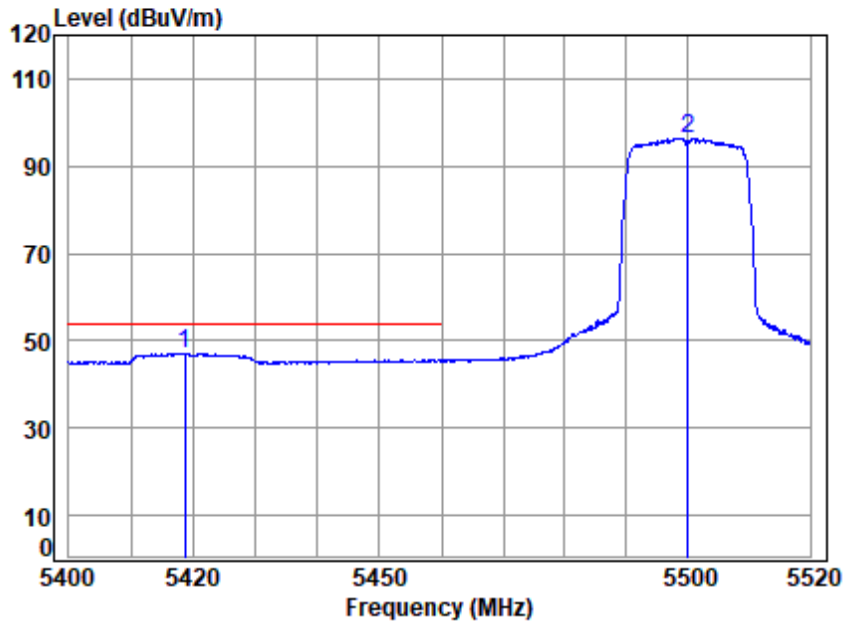
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Shenzhen Branch Inspection & Testing Laboratory

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Test Mode: 03; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:Low



Condition: 3m HORIZONTAL

Job No : 00519TL

Mode : 5500 Band edge

: 5G Wi-Fi 11ax20

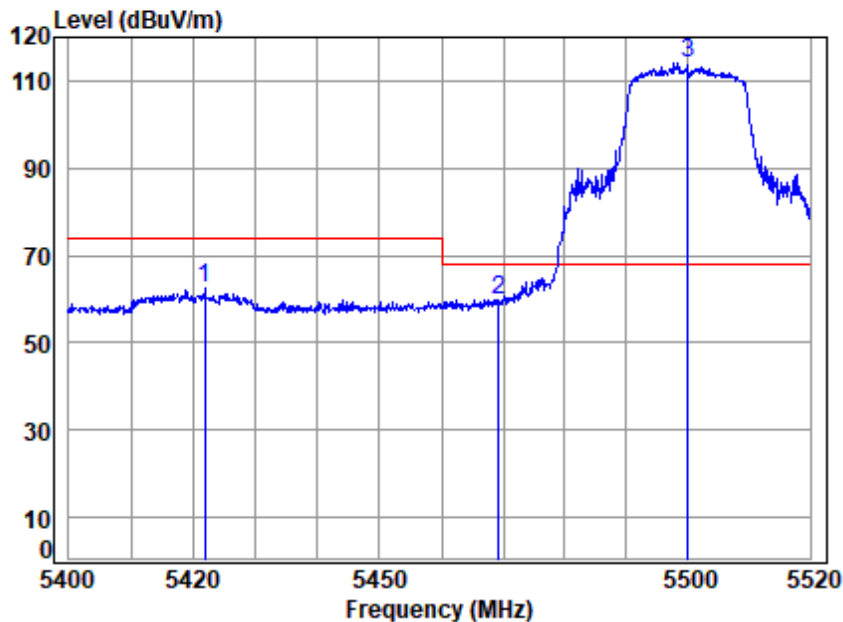
		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5418.666	10.61	32.84	30.73	34.48	47.20	54.00	-6.80	Average
2	5500.000	10.58	32.90	30.70	83.61	96.39	-----	-----	Average



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Test Mode: 03; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:Low



Condition: 3m VERTICAL

Job No : 00519TL

Mode : 5500 Band edge  
: 5G Wi-Fi 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	5421.763	10.61	32.84	30.73	50.02	62.74	74.00	-11.26	Peak
2	5469.279	10.59	32.90	30.71	47.17	59.95	68.20	-8.25	peak
3 pp	5500.000	10.58	32.90	30.70	101.42	114.20	68.20	46.00	Peak



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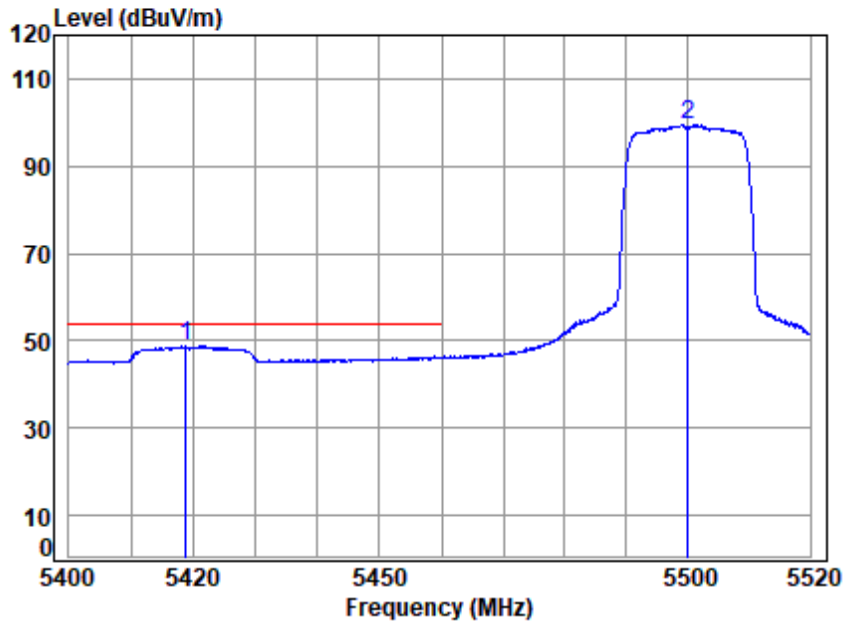
## SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250200051903

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Test Mode: 03; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:Low



Condition: 3m VERTICAL

Job No : 00519TL

Mode : 5500 Band edge  
: 5G Wi-Fi 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 pp	5418.785	10.61	32.84	30.73	36.22	48.94	54.00	-5.06	Average
2	5500.000	10.58	32.90	30.70	86.84	99.62	-----	-----	Average



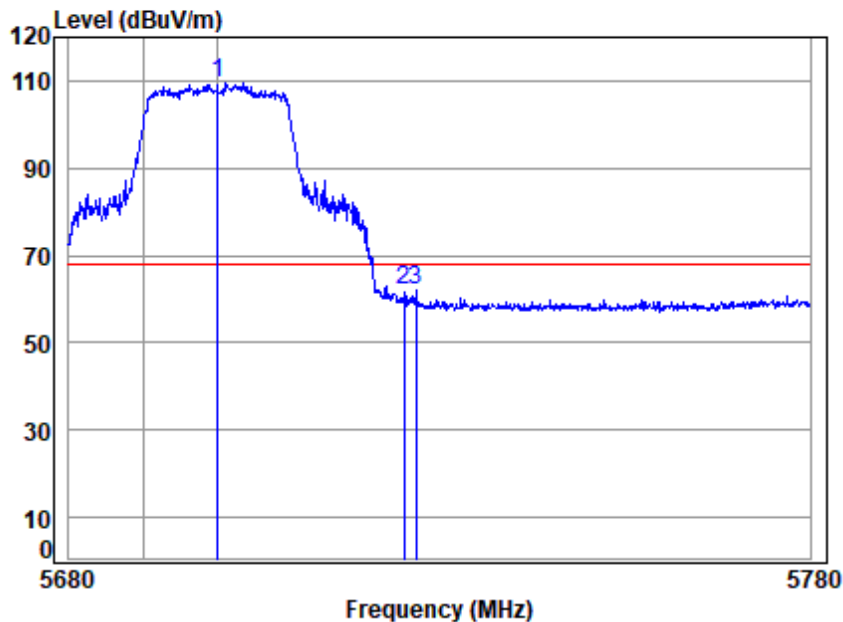
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Test Mode: 03; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:High



Condition: 3m HORIZONTAL

Job No : 00519TL

Mode : 5700 Band edge

: 5G Wi-Fi 11ax20

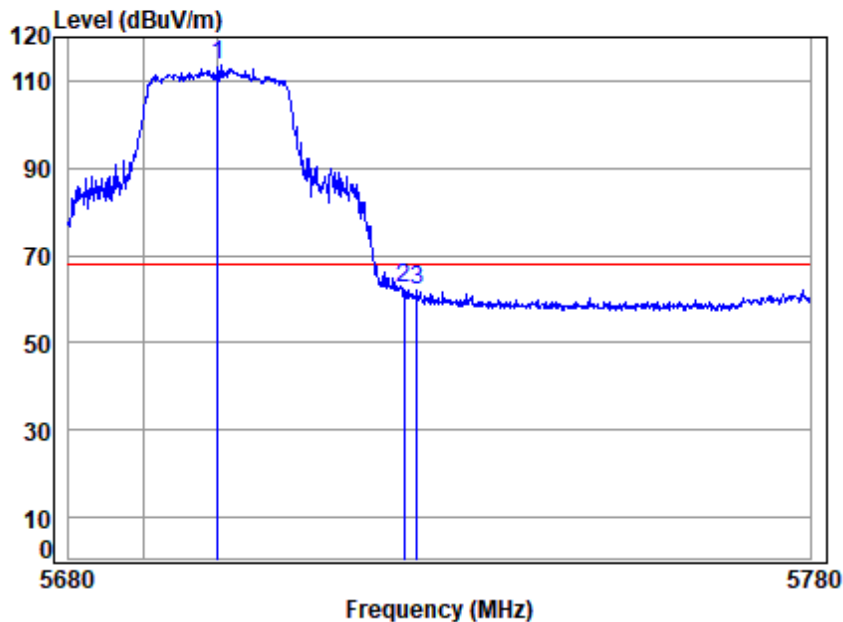
		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5700.000	10.56	33.20	30.62	96.41	109.55	68.20	41.35	peak
2	5725.000	10.68	33.25	30.61	48.60	61.92	68.20	-6.28	peak
3	5726.683	10.68	33.25	30.61	48.60	61.92	68.20	-6.28	peak



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Test Mode: 03; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:High



Condition: 3m VERTICAL

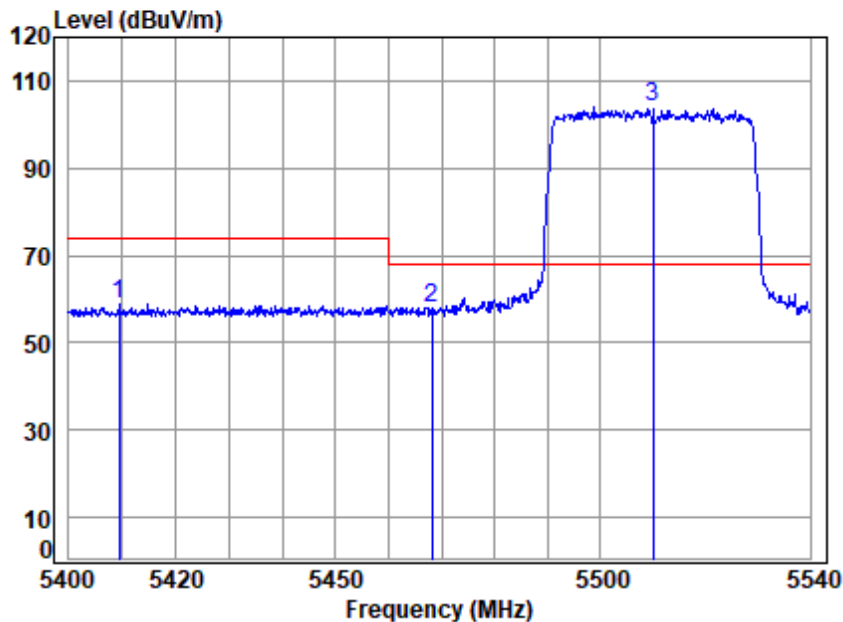
Job No : 00519TL

Mode : 5700 Band edge  
: 5G Wi-Fi 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 pp	5700.000	10.56	33.20	30.62	100.41	113.55	68.20	45.35	Peak
2	5725.000	10.68	33.25	30.61	49.12	62.44	68.20	-5.76	Peak
3	5726.783	10.68	33.25	30.61	48.71	62.03	68.20	-6.17	Peak



Test Mode: 03; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:Low



Condition: 3m HORIZONTAL

Job No : 00519TL

Mode : 5510 Band edge

: 5G Wi-Fi 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 5409.407	10.62	32.82	30.74	45.97	58.67	74.00	-15.33	peak
2 5468.152	10.59	32.90	30.71	45.32	58.10	68.20	-10.10	peak
3 pp 5510.000	10.56	32.90	30.70	91.21	103.97	68.20	35.77	peak



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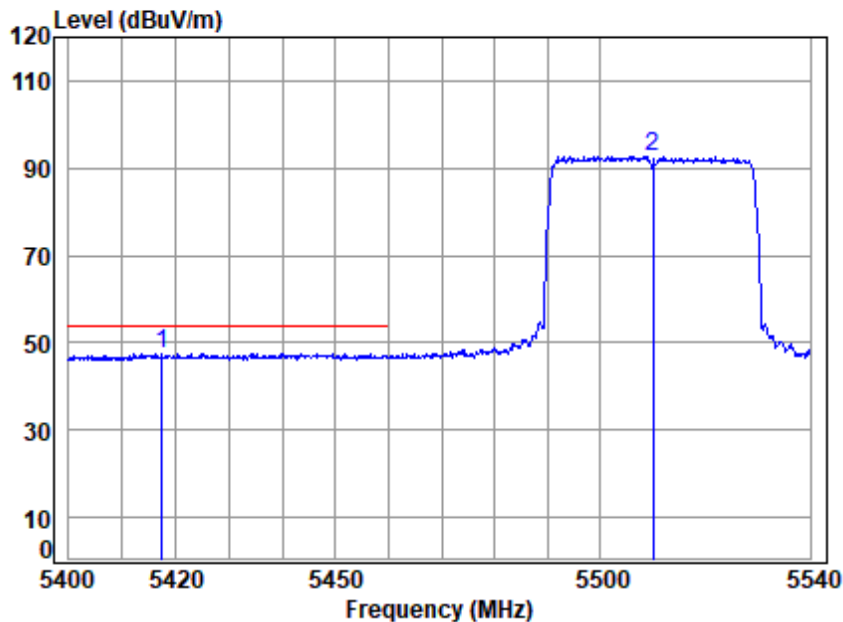
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SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250200051903

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Test Mode: 03; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:Low



Condition: 3m HORIZONTAL

Job No : 00519TL

Mode : 5510 Band edge

: 5G Wi-Fi 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 pp	5417.443	10.61	32.83	30.73	34.79	47.50	54.00	-6.50	Average
2	5510.000	10.56	32.90	30.70	80.00	92.76	-----	-----	Average



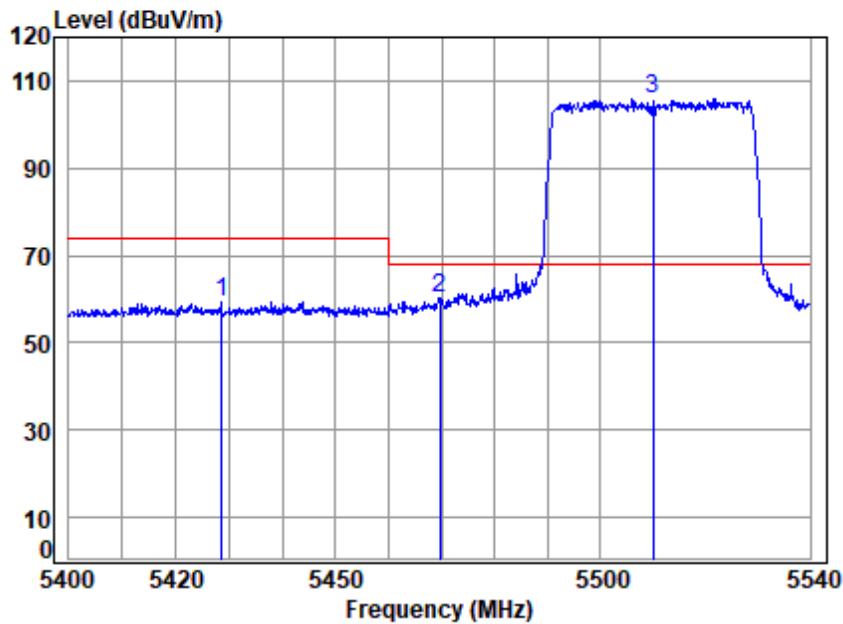
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Test Mode: 03; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:Low



Condition: 3m VERTICAL

Job No : 00519TL

Mode : 5510 Band edge  
: 5G Wi-Fi 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	5428.548	10.61	32.86	30.73	46.78	59.52	74.00	-14.48	peak
2	5469.692	10.59	32.90	30.71	47.68	60.46	68.20	-7.74	peak
3 pp	5510.000	10.56	32.90	30.70	93.25	106.01	68.20	37.81	peak



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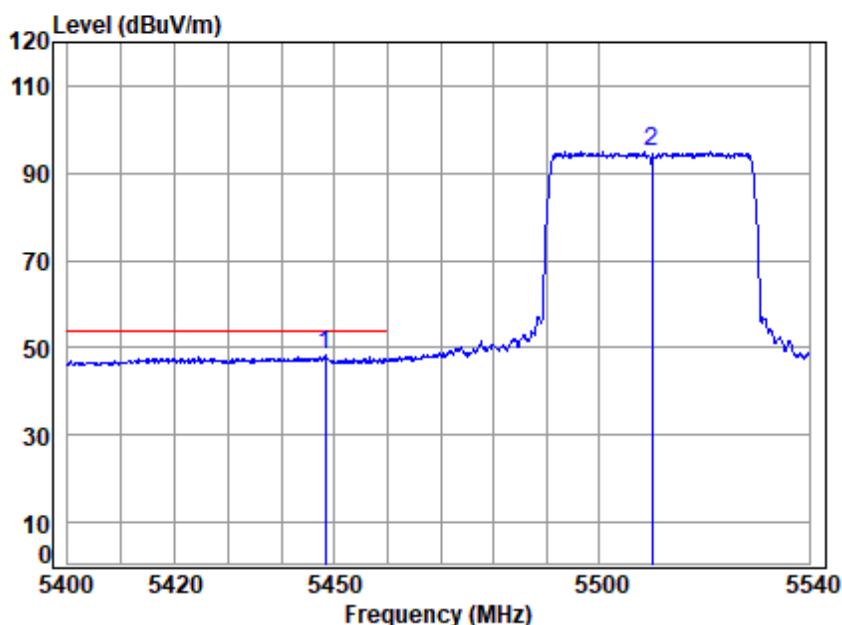
**SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch**

SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250200051903

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Test Mode: 03; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:Low



Condition: 3m VERTICAL

Job No : 00519TL

Mode : 5510 Band edge

: 5G Wi-Fi 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 pp	5448.174	10.60	32.90	30.72	35.55	48.33	54.00	-5.67	Average
2	5510.000	10.56	32.90	30.70	82.10	94.86	-----	-----	Average



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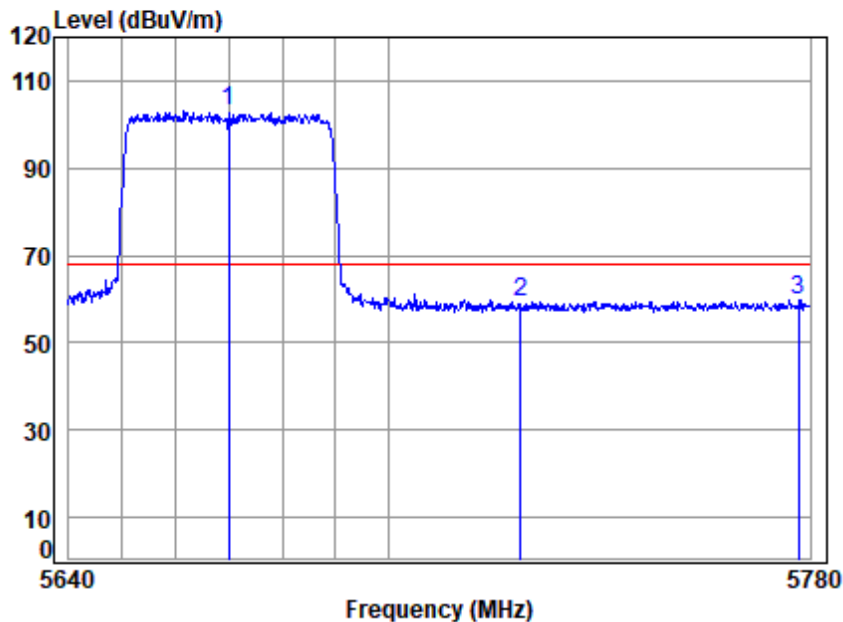
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SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250200051903

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Test Mode: 03; Polarity: Horizontal; Modulation: 802.11ax(Full RU0); Bandwidth: 40MHz; Channel: High



Condition: 3m HORIZONTAL

Job No : 00519TL

Mode : 5670 Band edge

: 5G Wi-Fi 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 pp	5670.000	10.52	33.14	30.63	89.99	103.02	68.20	34.82	peak
2	5725.000	10.68	33.25	30.61	46.04	59.36	68.20	-8.84	peak
3	5777.875	10.92	33.36	30.59	46.20	59.89	68.20	-8.31	peak



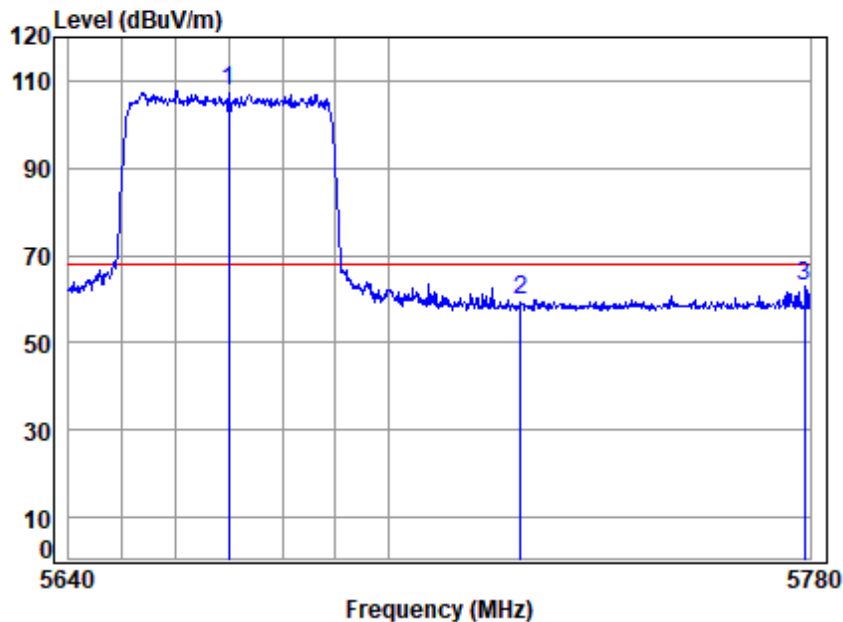
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Test Mode: 03; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:High



Condition: 3m VERTICAL

Job No : 00519TL

Mode : 5670 Band edge  
: 5G Wi-Fi 11ax40

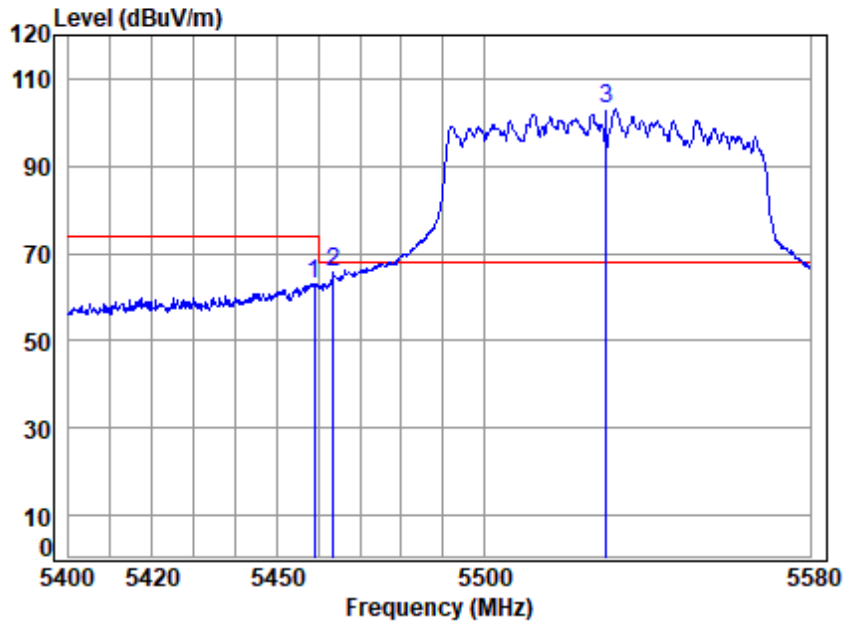
		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5670.000	10.52	33.14	30.63	94.76	107.79	68.20	39.59	Peak
2	5725.000	10.68	33.25	30.61	46.47	59.79	68.20	-8.41	Peak
3	5779.008	10.92	33.36	30.59	49.05	62.74	68.20	-5.46	Peak



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Test Mode: 03; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:80MHz; Channel:Low



Condition: 3m HORIZONTAL

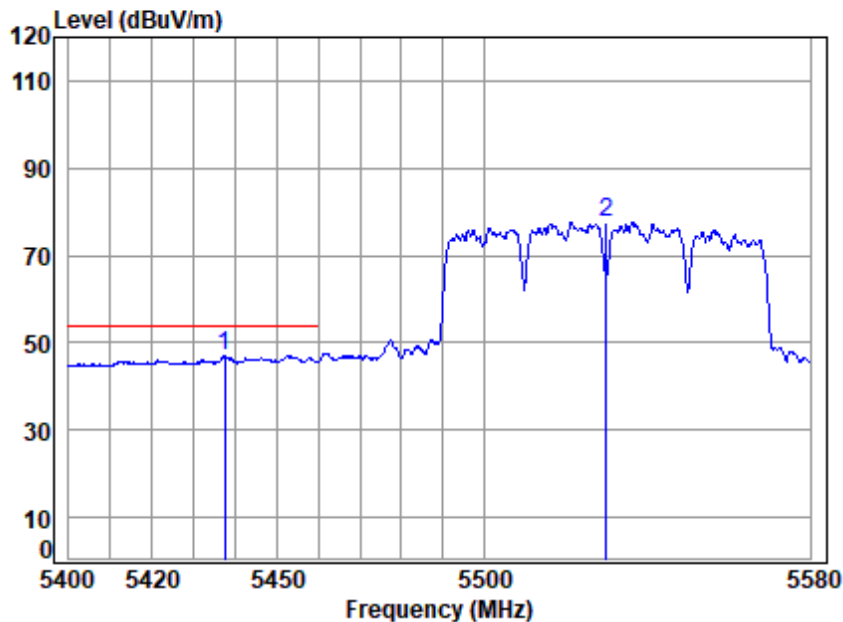
Job No : 00519TL

Mode : 5530 Band edge  
: 5G Wi-Fi 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 5458.928	10.60	32.90	30.72	50.41	63.19	74.00	-10.81 peak
2 5463.583	10.59	32.90	30.71	52.76	65.54	68.20	-2.66 peak
3 pp 5530.000	10.53	32.90	30.69	90.24	102.98	68.20	34.78 peak



Test Mode: 03; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:80MHz; Channel:Low



Condition: 3m HORIZONTAL

Job No : 00519TL

Mode : 5530 Band edge

: 5G Wi-Fi 11ax80

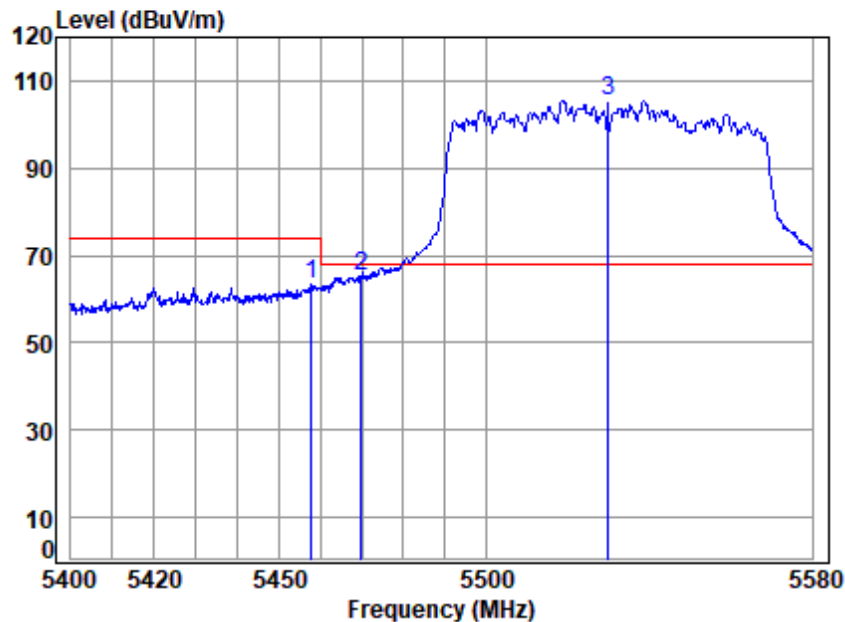
		Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp 5437.490	10.61	32.87	30.73	34.28	47.03	54.00	-6.97	Average
2 5530.000	10.53	32.90	30.69	64.90	77.64	-----	-----	Average



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Test Mode: 03; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:80MHz; Channel:Low



Condition: 3m VERTICAL

Job No : 00519TL

Mode : 5530 Band edge  
: 5G Wi-Fi 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	5457.854	10.60	32.90	30.72	50.63	63.41	74.00 -10.59 Peak
2	5469.857	10.59	32.90	30.71	52.57	65.35	68.20 -2.85 peak
3	pp 5530.000	10.53	32.90	30.69	92.80	105.54	68.20 37.34 Peak



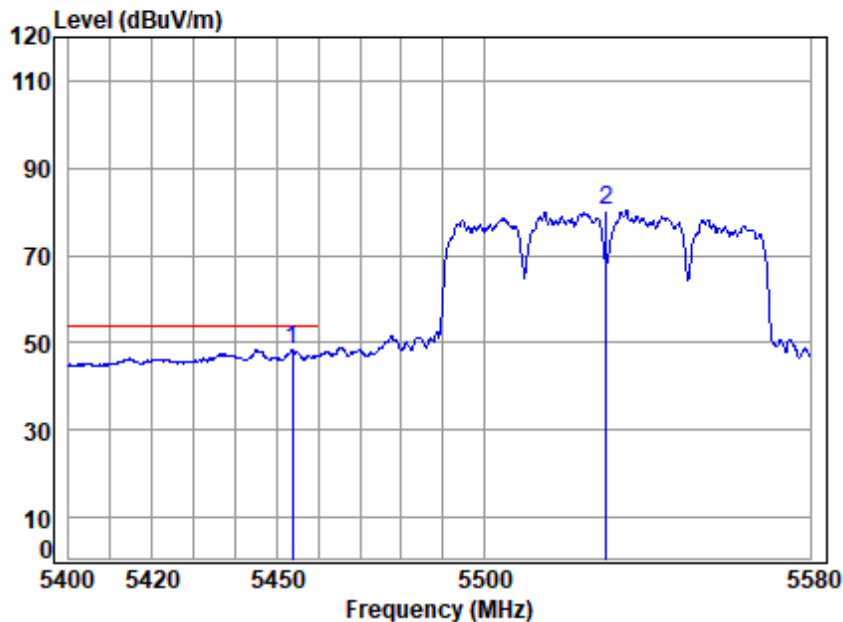
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SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250200051903

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Test Mode: 03; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:80MHz; Channel:Low



Condition: 3m VERTICAL

Job No : 00519TL

Mode : 5530 Band edge  
: 5G Wi-Fi 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 pp	5453.739	10.60	32.90	30.72	35.52	48.30	54.00	-5.70	Average
2	5530.000	10.53	32.90	30.69	67.71	80.45	-----	-----	Average



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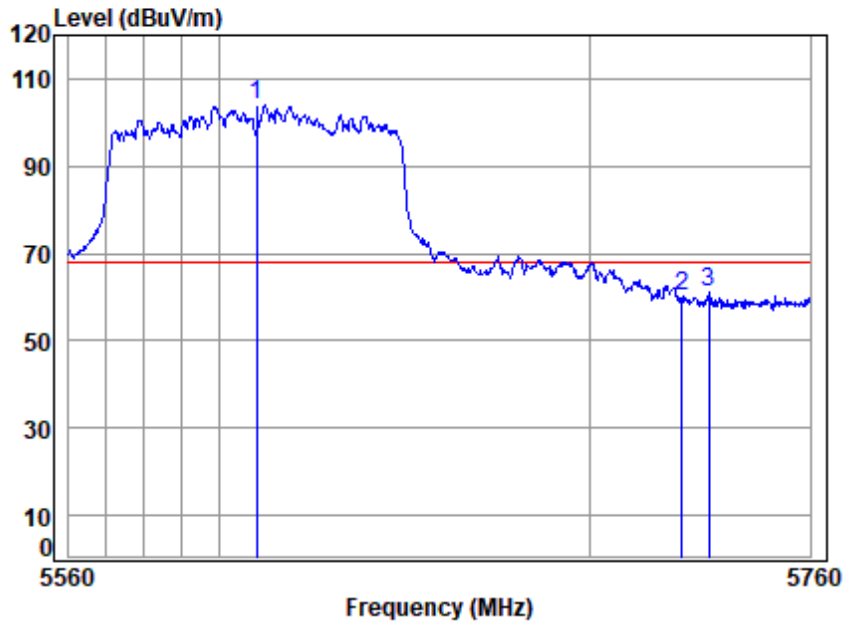
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SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250200051903

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Test Mode: 03; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:80MHz; Channel:High



Condition: 3m HORIZONTAL

Job No : 00519TL

Mode : 5610 Band edge  
: 5G Wi-Fi 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 pp	5610.000	10.43	33.02	30.66	91.14	103.93	68.20	35.73	peak
2	5725.000	10.68	33.25	30.61	46.88	60.20	68.20	-8.00	peak
3	5732.383	10.71	33.26	30.61	47.76	61.12	68.20	-7.08	peak



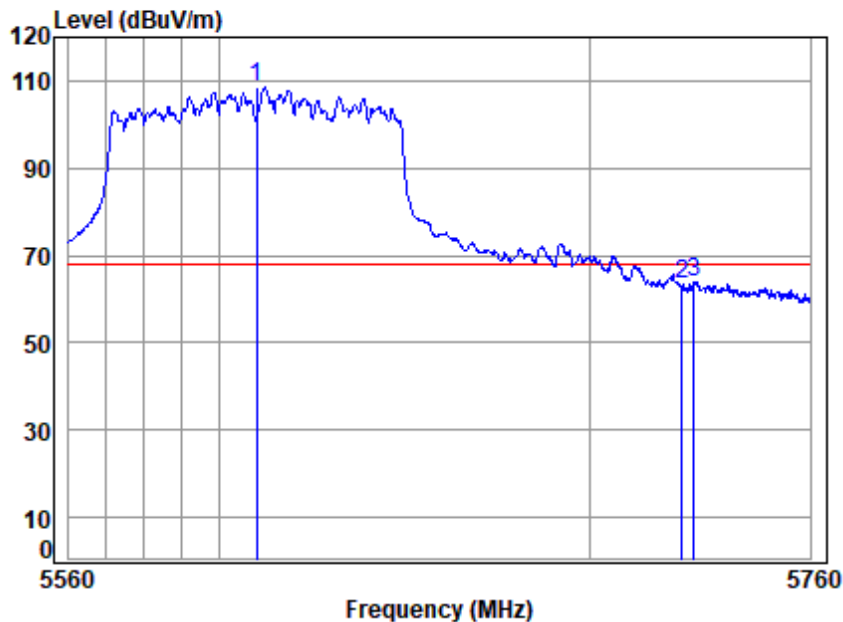
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Test Mode: 03; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:80MHz; Channel:High



Condition: 3m VERTICAL

Job No : 00519TL

Mode : 5610 Band edge  
: 5G Wi-Fi 11ax80

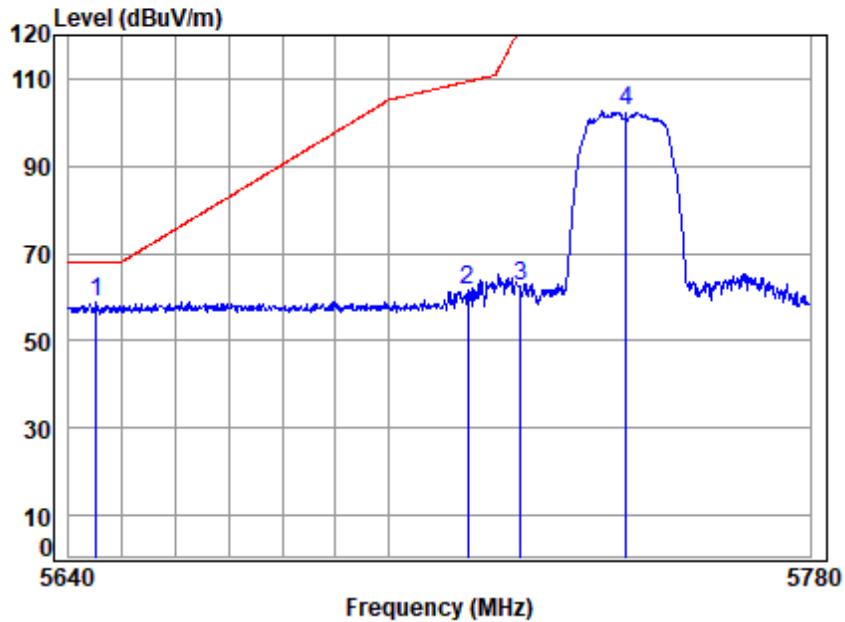
		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5610.000	10.43	33.02	30.66	95.60	108.39	68.20	40.19	Peak
2	5725.000	10.68	33.25	30.61	50.29	63.61	68.20	-4.59	peak
3	5728.130	10.69	33.26	30.61	50.73	64.07	68.20	-4.13	Peak



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



Condition: 3m HORIZONTAL

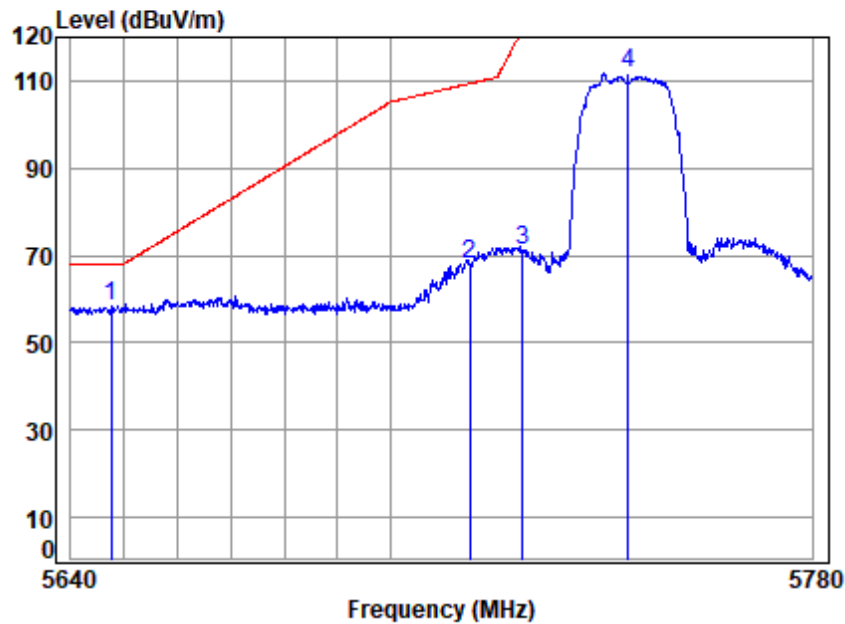
Job No : 00519TL

Mode : 5745 Band edge  
: 5.8G Wi-Fi 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 pp	5645.119	10.48	33.09	30.64	45.97	58.90	68.20	-9.30 peak
2	5715.000	10.63	33.23	30.61	48.48	61.73	109.40	-47.67 peak
3	5725.000	10.68	33.25	30.61	49.29	62.61	122.20	-59.59 peak
4	5745.000	10.77	33.29	30.60	89.13	102.59	-----	----- peak



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



Condition: 3m VERTICAL

Job No : 00519TL

Mode : 5745 Band edge  
: 5.8G Wi-Fi 11a

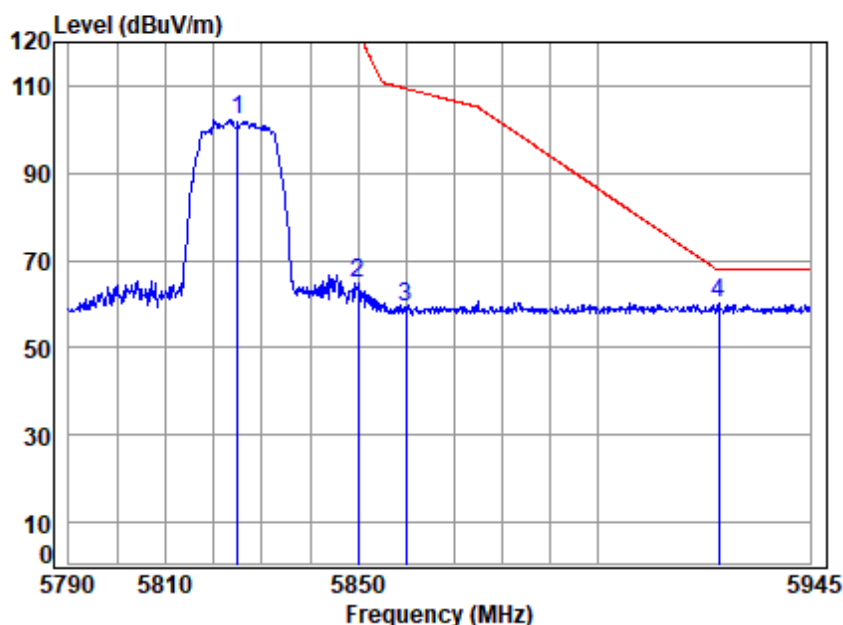
		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 pp	5647.473	10.48	33.09	30.64	45.42	58.35	68.20	-9.85 peak
2	5715.000	10.63	33.23	30.61	54.89	68.14	109.40	-41.26 peak
3	5725.000	10.68	33.25	30.61	57.82	71.14	122.20	-51.06 peak
4	5745.000	10.77	33.29	30.60	98.10	111.56	-----	----- peak



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



Condition: 3m HORIZONTAL

Job No : 00519TL

Mode : 5825 Band edge  
: 5.8G Wi-Fi 11a

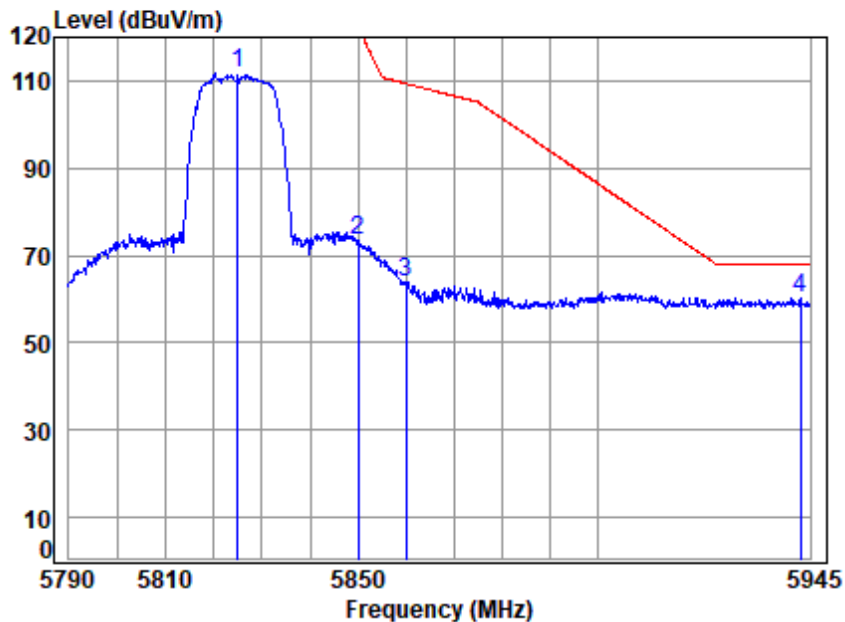
		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5825.000	10.99	33.50	30.57	88.36	102.28	-----	-----	peak
2	5850.000	10.95	33.60	30.56	50.91	64.90	122.20	-57.30	peak
3	5860.000	10.94	33.58	30.56	45.54	59.50	109.40	-49.90	peak
4 pp	5925.713	10.87	33.55	30.53	46.15	60.04	68.20	-8.16	peak



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



Condition: 3m VERTICAL

Job No : 00519TL

Mode : 5825 Band edge  
: 5.8G Wi-Fi 11a

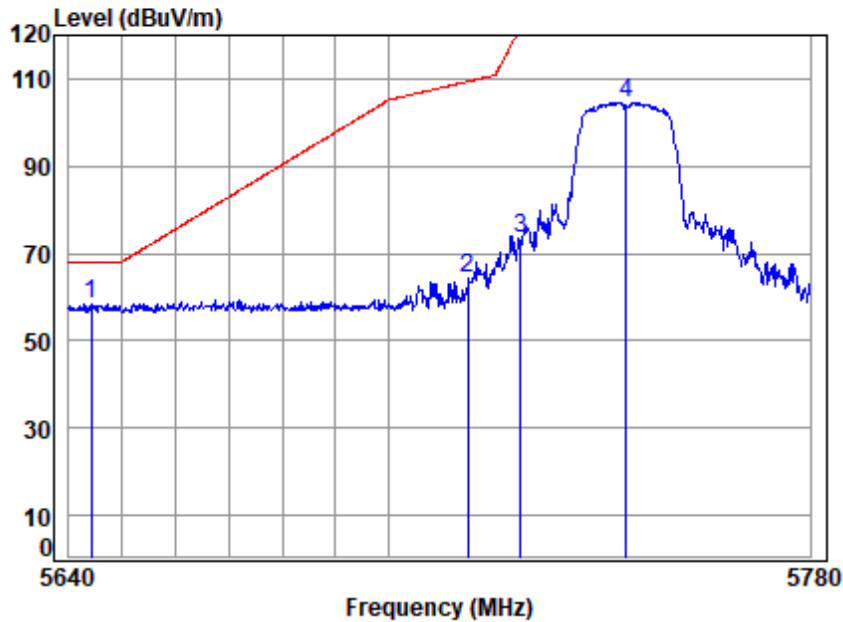
		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5825.000	10.99	33.50	30.57	97.72	111.64	-----	-----	peak
2	5850.000	10.95	33.60	30.56	59.36	73.35	122.20	-48.85	peak
3	5860.000	10.94	33.58	30.56	49.99	63.95	109.40	-45.45	peak
4 pp	5942.958	10.86	33.59	30.52	46.37	60.30	68.20	-7.90	peak



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



Condition: 3m HORIZONTAL

Job No : 00519TL

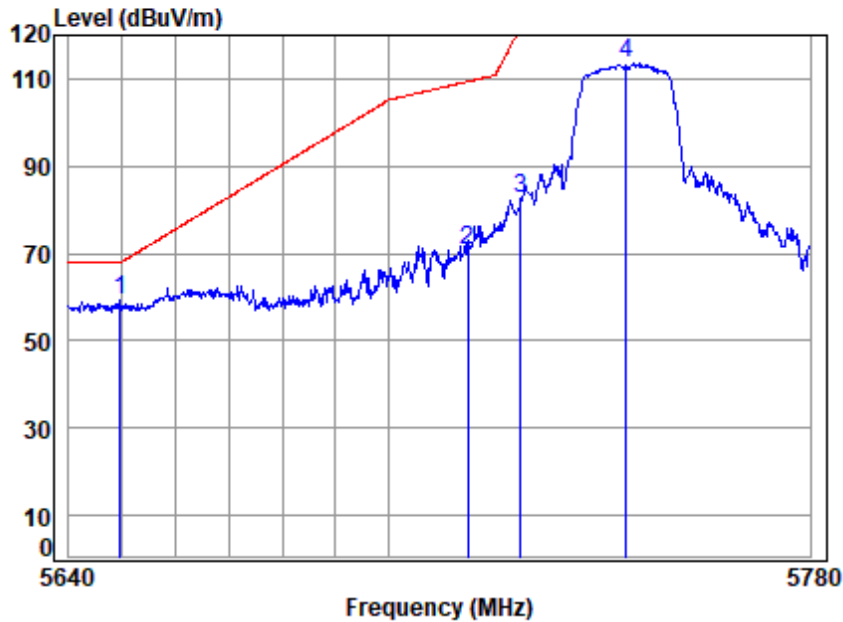
Mode : 5745 Band edge

: 5.8G Wi-Fi 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 pp	5644.289	10.48	33.09	30.64	45.52	58.45	68.20	-9.75 peak
2	5715.000	10.63	33.23	30.61	51.16	64.41	109.40	-44.99 peak
3	5725.000	10.68	33.25	30.61	60.12	73.44	122.20	-48.76 peak
4	5745.000	10.77	33.29	30.60	91.25	104.71	-----	----- peak



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



Condition: 3m VERTICAL

Job No : 00519TL

Mode : 5745 Band edge

: 5.8G Wi-Fi 11n20

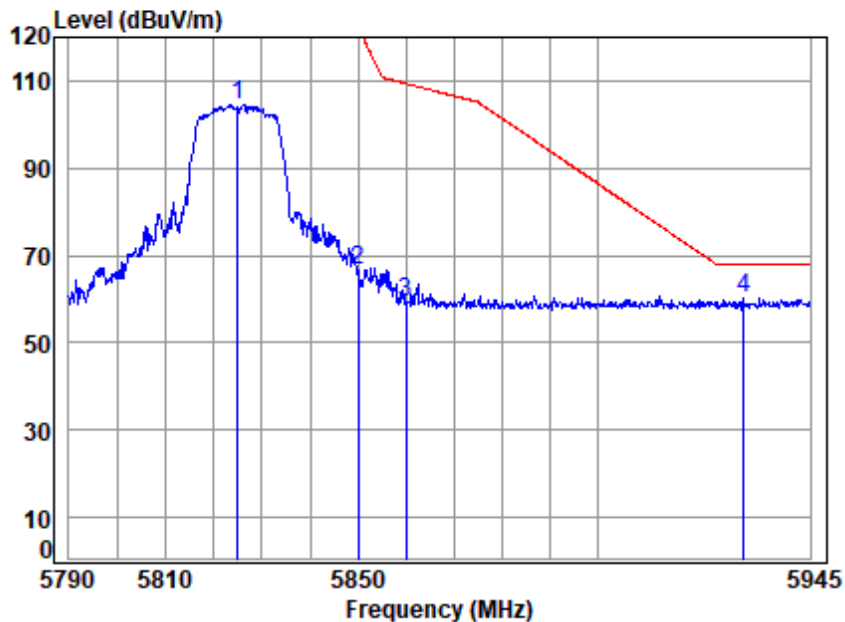
		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 pp	5649.550	10.48	33.10	30.64	46.29	59.23	68.20	-8.97 peak
2	5715.000	10.63	33.23	30.61	57.68	70.93	109.40	-38.47 peak
3	5725.000	10.68	33.25	30.61	69.37	82.69	122.20	-39.51 peak
4	5745.000	10.77	33.29	30.60	100.03	113.49	-----	----- peak



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



Condition: 3m HORIZONTAL

Job No : 00519TL

Mode : 5825 Band edge

: 5.8G Wi-Fi 11n20

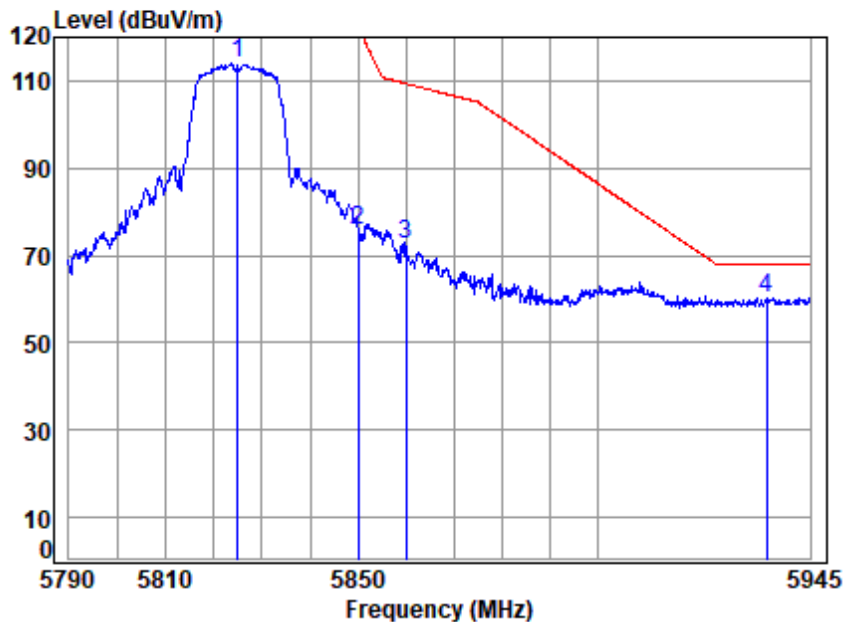
	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5825.000	10.99	33.50	30.57	90.76	104.68	-----	----- peak
2 5850.000	10.95	33.60	30.56	52.74	66.73	122.20	-55.47 peak
3 5860.000	10.94	33.58	30.56	45.36	59.32	109.40	-50.08 peak
4 pp 5930.882	10.87	33.56	30.53	46.39	60.29	68.20	-7.91 peak



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



Condition: 3m VERTICAL

Job No : 00519TL

Mode : 5825 Band edge

: 5.8G Wi-Fi 11n20

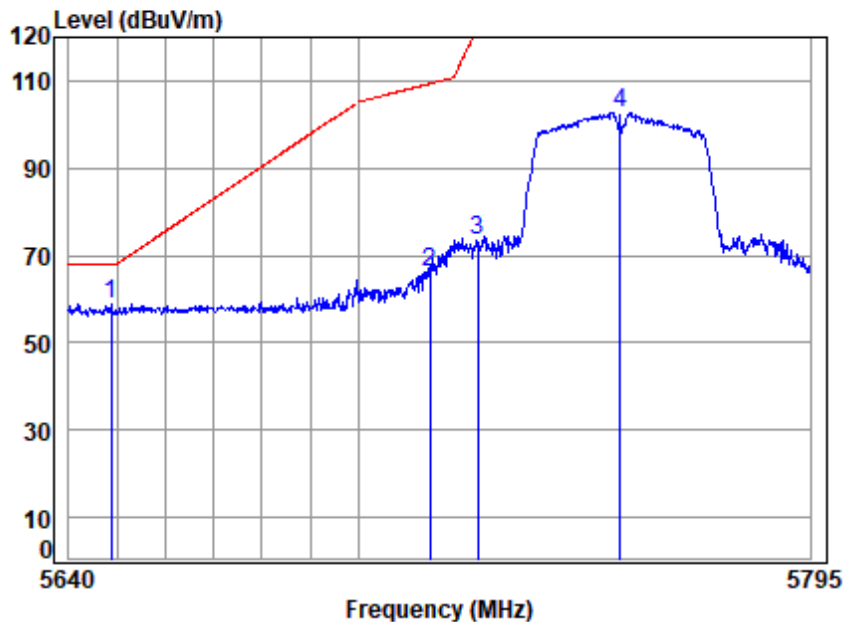
	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5825.000	10.99	33.50	30.57	99.92	113.84	-----	----- peak
2 5850.000	10.95	33.60	30.56	61.55	75.54	122.20	-46.66 peak
3 5860.000	10.94	33.58	30.56	58.72	72.68	109.40	-36.72 peak
4 pp 5935.741	10.86	33.57	30.53	46.36	60.26	68.20	-7.94 peak



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



Condition: 3m HORIZONTAL

Job No : 00519TL

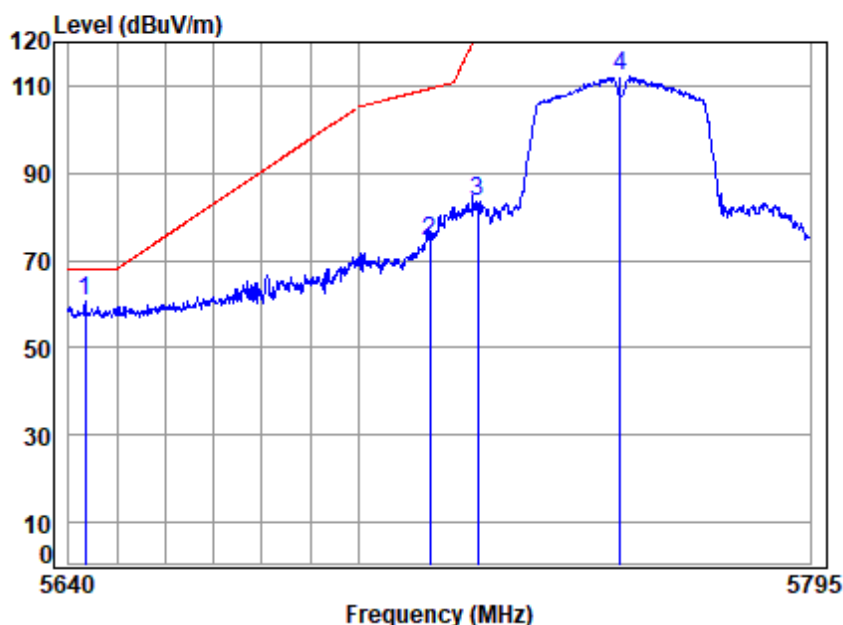
Mode : 5755 Band edge

: 5.8G Wi-Fi 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 pp	5648.723	10.48	33.10	30.64	46.07	59.01	68.20	-9.19 peak
2	5715.000	10.63	33.23	30.61	52.95	66.20	109.40	-43.20 peak
3	5725.000	10.68	33.25	30.61	59.92	73.24	122.20	-48.96 peak
4	5755.000	10.81	33.31	30.60	89.16	102.68	-----	----- peak



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



Condition: 3m VERTICAL

Job No : 00519TL

Mode : 5755 Band edge

: 5.8G Wi-Fi 11n40

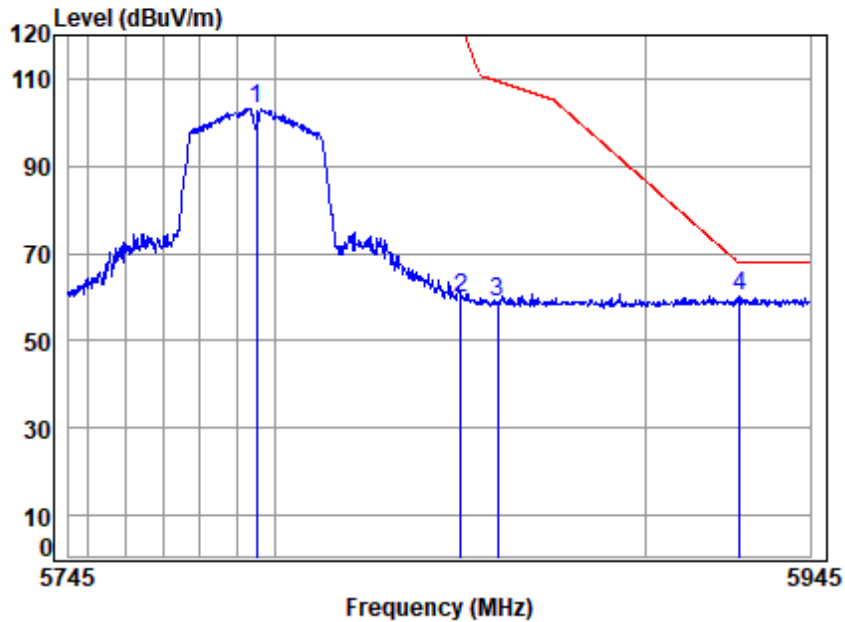
		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 pp	5643.365	10.48	33.09	30.64	47.73	60.66	68.20	-7.54 peak
2	5715.000	10.63	33.23	30.61	61.18	74.43	109.40	-34.97 peak
3	5725.000	10.68	33.25	30.61	70.25	83.57	122.20	-38.63 peak
4	5755.000	10.81	33.31	30.60	98.52	112.04	-----	----- peak



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



Condition: 3m HORIZONTAL

Job No : 00519TL

Mode : 5795 Band edge

: 5.8G Wi-Fi 11n40

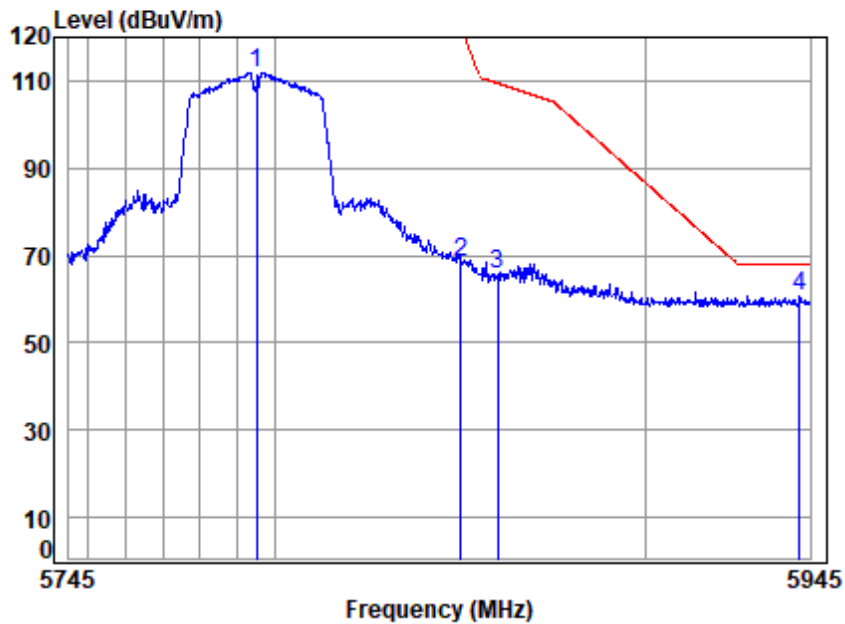
		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5795.000	11.00	33.39	30.58	89.53	103.34	-----	-----	peak
2	5850.000	10.95	33.60	30.56	45.60	59.59	122.20	-62.61	peak
3	5860.000	10.94	33.58	30.56	44.81	58.77	109.40	-50.63	peak
4 pp	5925.705	10.87	33.55	30.53	46.20	60.09	68.20	-8.11	peak



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



Condition: 3m VERTICAL

Job No : 00519TL

Mode : 5795 Band edge

: 5.8G Wi-Fi 11n40

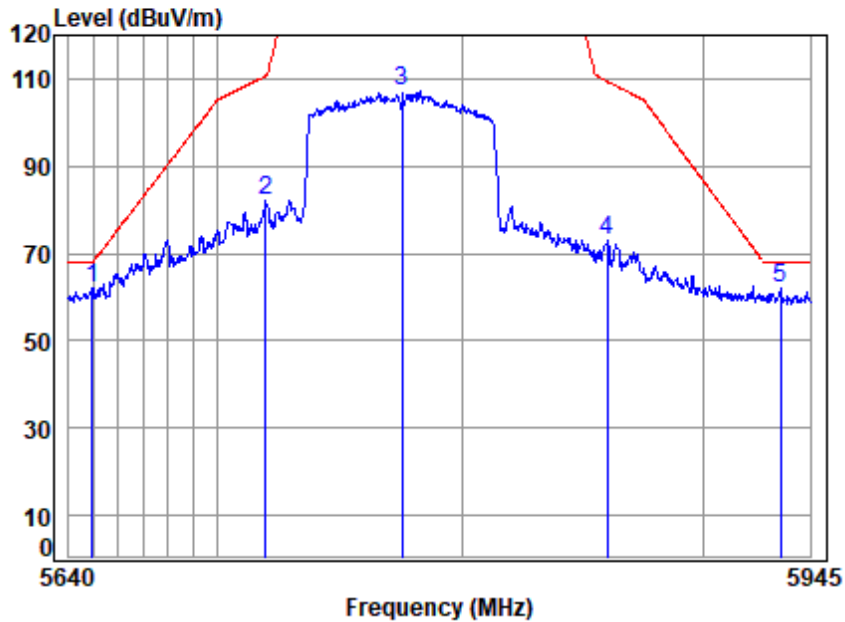
	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5795.000	11.00	33.39	30.58	98.10	111.91	-----	----- peak
2 5850.000	10.95	33.60	30.56	54.62	68.61	122.20	-53.59 peak
3 5860.000	10.94	33.58	30.56	51.59	65.55	109.40	-43.85 peak
4 pp 5942.152	10.86	33.58	30.52	46.97	60.89	68.20	-7.31 peak



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



Condition: 3m HORIZONTAL

Job No : 00519TL

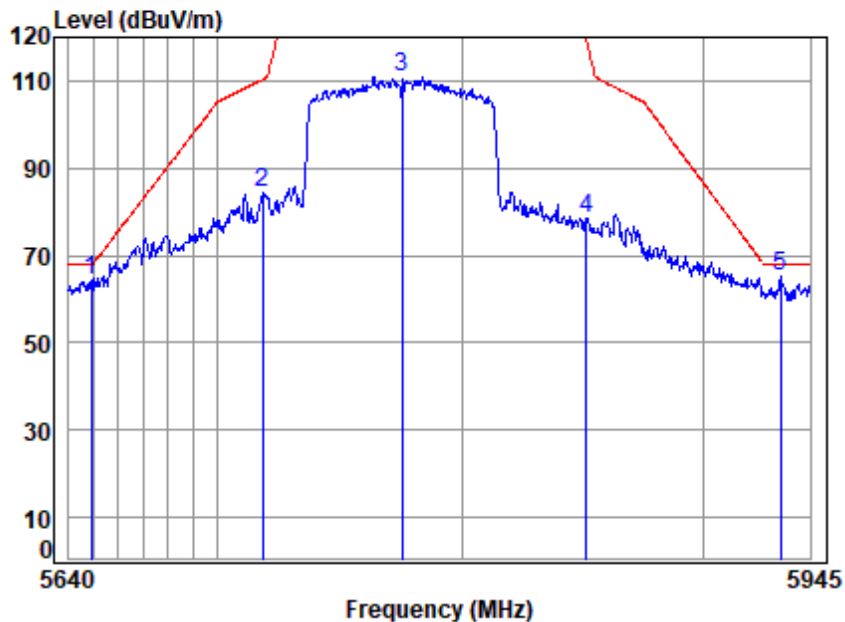
Mode : 5775 Band edge

: 5.8G Wi-Fi 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	5649.513	10.48	33.10	30.64	49.10	62.04	68.20	-6.16 Peak
2	5719.568	10.65	33.24	30.61	68.76	82.04	110.68	-28.64 peak
3	5775.000	10.91	33.35	30.59	93.34	107.01	-----	----- peak
4	5860.135	10.94	33.58	30.56	59.24	73.20	109.36	-36.16 peak
5 pp	5932.489	10.86	33.56	30.53	48.34	62.23	68.20	-5.97 peak



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



Condition: 3m VERTICAL

Job No : 00519TL

Mode : 5775 Band edge

: 5.8G Wi-Fi 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 5649.216	10.48	33.10	30.64	51.33	64.27	68.20	-3.93	Peak
2 5718.364	10.64	33.24	30.61	71.27	84.54	110.34	-25.80	peak
3 5775.000	10.91	33.35	30.59	97.24	110.91	-----	-----	peak
4 5851.191	10.95	33.60	30.56	64.32	78.31	119.48	-41.17	peak
5 pp 5932.489	10.86	33.56	30.53	51.24	65.13	68.20	-3.07	peak



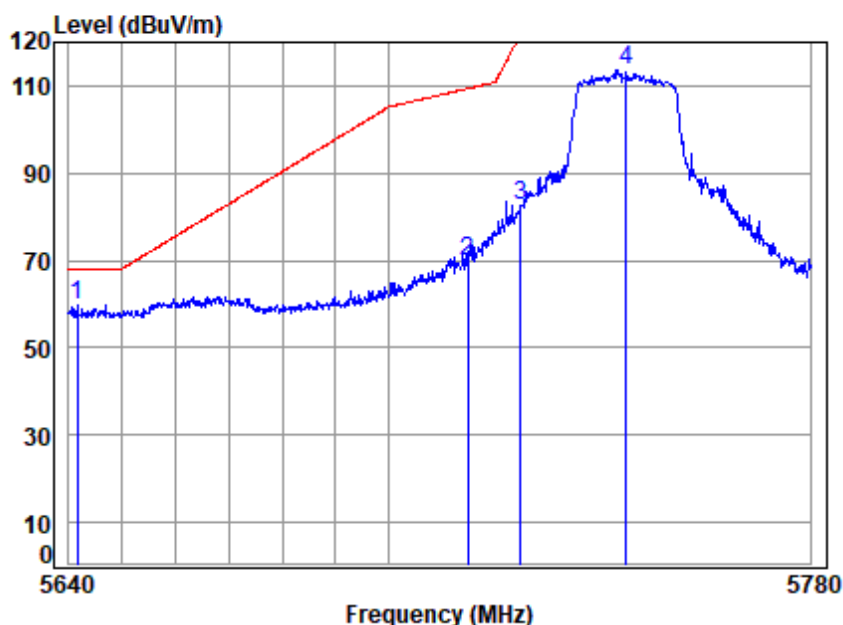
## SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250200051903

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Test Mode: 04; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:Low



Condition: 3m HORIZONTAL

Job No : 00519TL

Mode : 5745 Band edge

: 5.8G Wi-Fi 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 pp	5641.521	10.47	33.08	30.64	46.82	59.73	68.20	-8.47 peak
2	5715.000	10.63	33.23	30.61	56.42	69.67	109.40	-39.73 peak
3	5725.000	10.68	33.25	30.61	69.39	82.71	122.20	-39.49 peak
4	5745.000	10.77	33.29	30.60	100.33	113.79	-----	----- peak



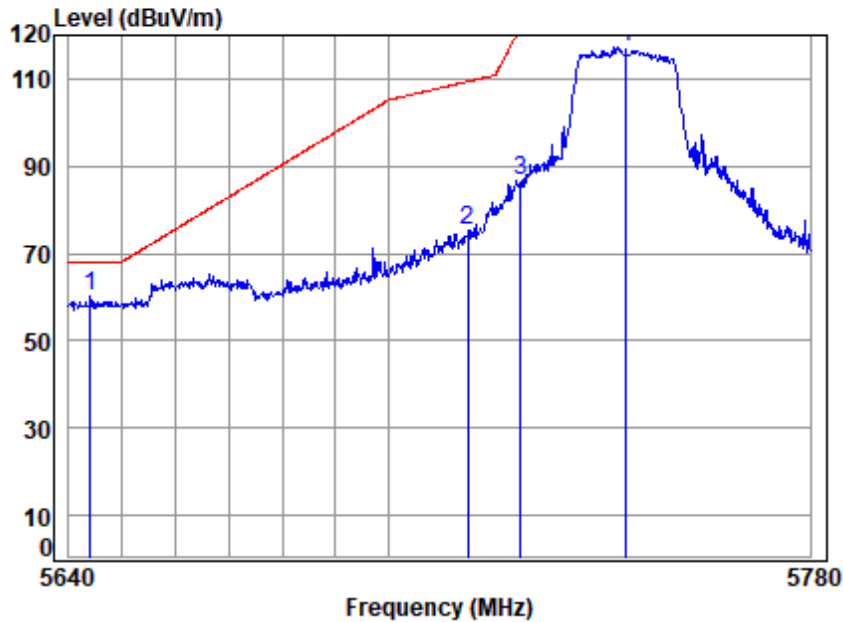
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Test Mode: 04; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:Low



Condition: 3m VERTICAL

Job No : 00519TL

Mode : 5745 Band edge

: 5.8G Wi-Fi 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 pp 5644.012	10.48	33.09	30.64	47.37	60.30	68.20	-7.90	peak
2 5715.000	10.63	33.23	30.61	62.00	75.25	109.40	-34.15	peak
3 5725.000	10.68	33.25	30.61	73.26	86.58	122.20	-35.62	peak
4 5745.000	10.77	33.29	30.60	103.79	117.25	-----	-----	peak



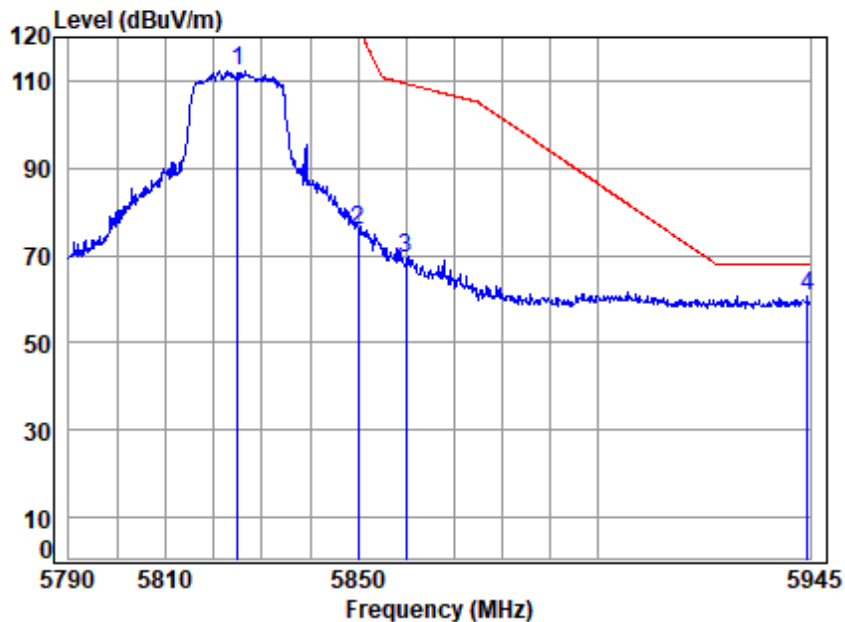
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Test Mode: 04; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:High



Condition: 3m HORIZONTAL

Job No : 00519TL

Mode : 5825 Band edge

: 5.8G Wi-Fi 11ax20

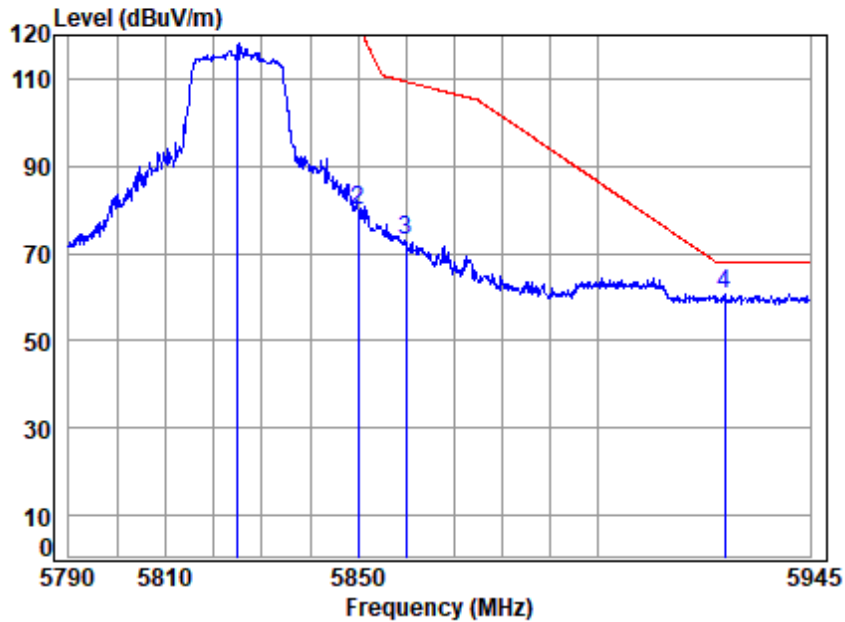
	Cable	Ant	Preamp	Read		Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
5825.000	10.99	33.50	30.57	98.44	112.36	-----	-----	peak
5850.000	10.95	33.60	30.56	61.92	75.91	122.20	-46.29	peak
5860.000	10.94	33.58	30.56	55.17	69.13	109.40	-40.27	peak
5944.529	10.85	33.59	30.52	46.58	60.50	68.20	-7.70	peak



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Test Mode: 04; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:High



Condition: 3m VERTICAL

Job No : 00519TL

Mode : 5825 Band edge

: 5.8G Wi-Fi 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	
5825.000	10.99	33.50	30.57	104.27	118.19	-----	-----	peak
5850.000	10.95	33.60	30.56	65.94	79.93	122.20	-42.27	peak
5860.000	10.94	33.58	30.56	58.90	72.86	109.40	-36.54	peak
5926.966	10.87	33.55	30.53	46.88	60.77	68.20	-7.43	peak



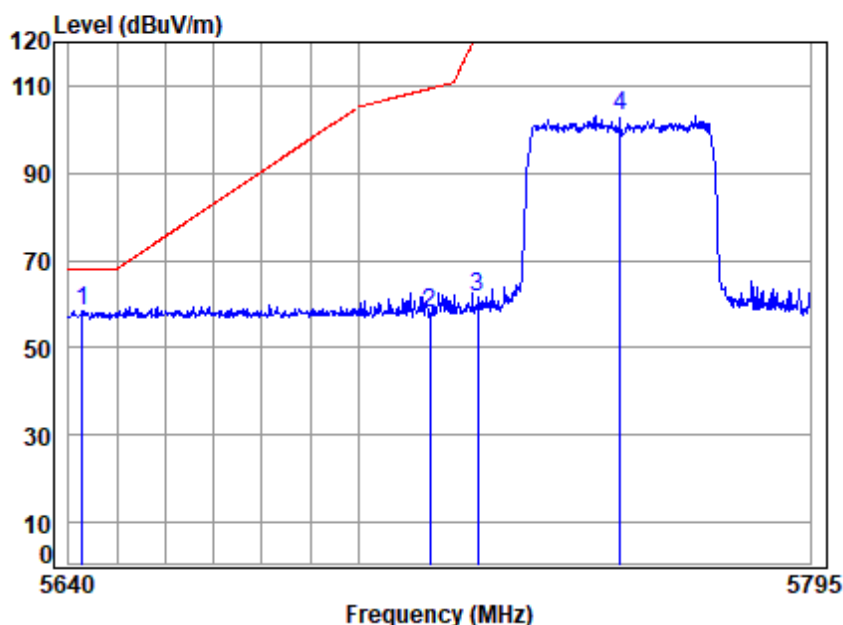
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SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250200051903

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Test Mode: 04; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:Low



Condition: 3m HORIZONTAL

Job No : 00519TL

Mode : 5755 Band edge

: 5.8G Wi-Fi 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 pp	5642.753	10.47	33.09	30.64	45.50	58.42	68.20	-9.78 peak
2	5715.000	10.63	33.23	30.61	44.51	57.76	109.40	-51.64 peak
3	5725.000	10.68	33.25	30.61	48.06	61.38	122.20	-60.82 peak
4	5755.000	10.81	33.31	30.60	89.47	102.99	-----	----- peak



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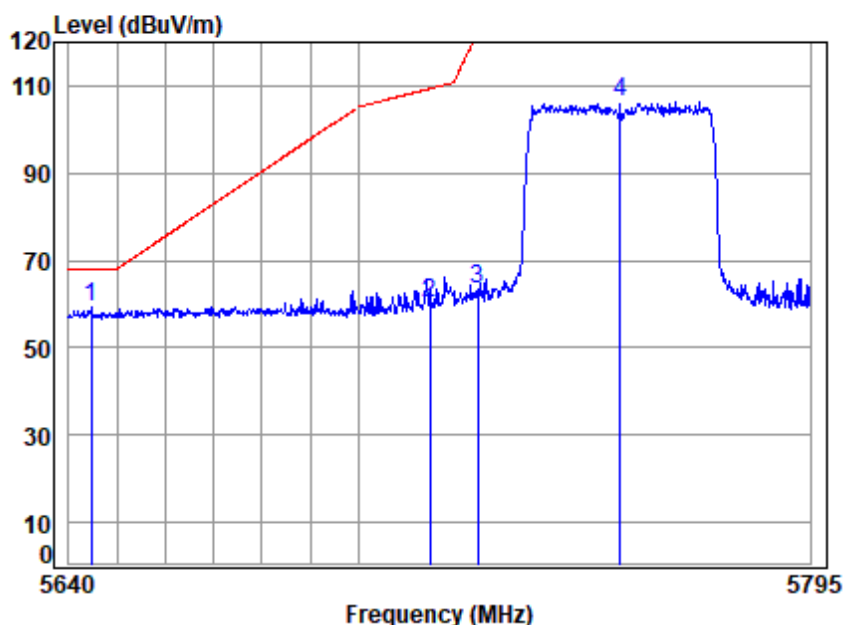
## SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250200051903

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Test Mode: 04; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:Low



Condition: 3m VERTICAL

Job No : 00519TL

Mode : 5755 Band edge

: 5.8G Wi-Fi 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 pp 5644.589	10.48	33.09	30.64	46.41	59.34	68.20	-8.86	peak
2 5715.000	10.63	33.23	30.61	46.97	60.22	109.40	-49.18	peak
3 5725.000	10.68	33.25	30.61	50.25	63.57	122.20	-58.63	peak
4 5755.000	10.81	33.31	30.60	92.99	106.51	-----	-----	peak



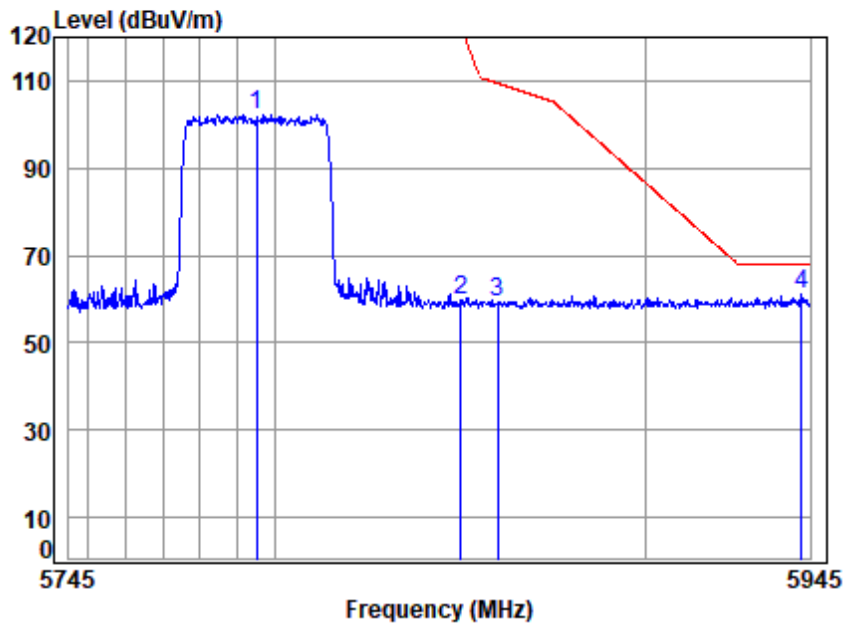
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Test Mode: 04; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:High



Condition: 3m HORIZONTAL

Job No : 00519TL

Mode : 5795 Band edge

: 5.8G Wi-Fi 11ax40

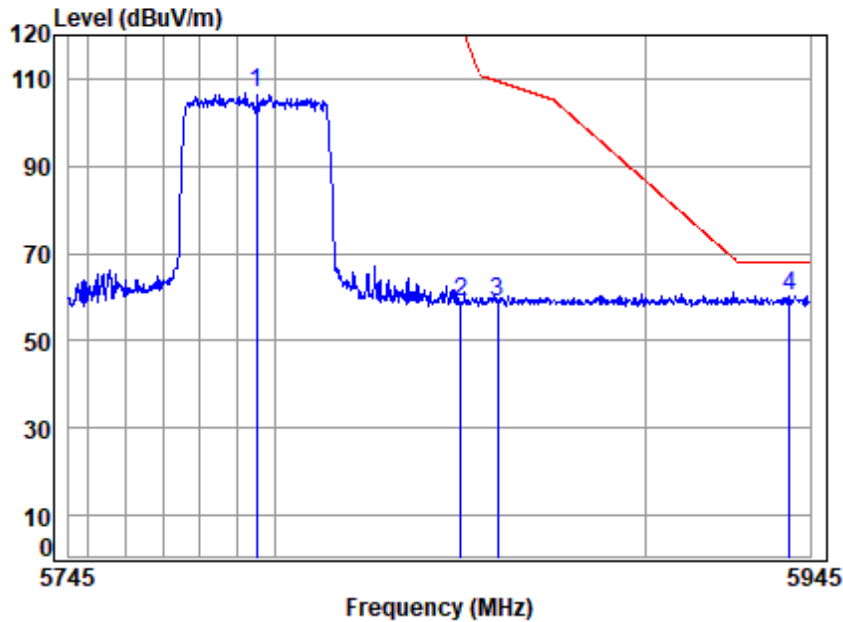
	Cable	Ant	Preamp	Read		Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
5795.000	11.00	33.39	30.58	88.40	102.21	-----	-----	peak
5850.000	10.95	33.60	30.56	45.76	59.75	122.20	-62.45	peak
5860.000	10.94	33.58	30.56	45.24	59.20	109.40	-50.20	peak
5942.763	10.86	33.59	30.52	47.14	61.07	68.20	-7.13	peak



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Test Mode: 04; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:High



Condition: 3m VERTICAL

Job No : 00519TL

Mode : 5795 Band edge

: 5.8G Wi-Fi 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	11.00	33.39	30.58	92.73	106.54	-----	-----	peak
2	5850.000	10.95	33.60	30.56	44.75	58.74	122.20	-63.46	peak
3	5860.000	10.94	33.58	30.56	44.99	58.95	109.40	-50.45	peak
4 pp	5939.306	10.86	33.58	30.52	46.46	60.38	68.20	-7.82	peak



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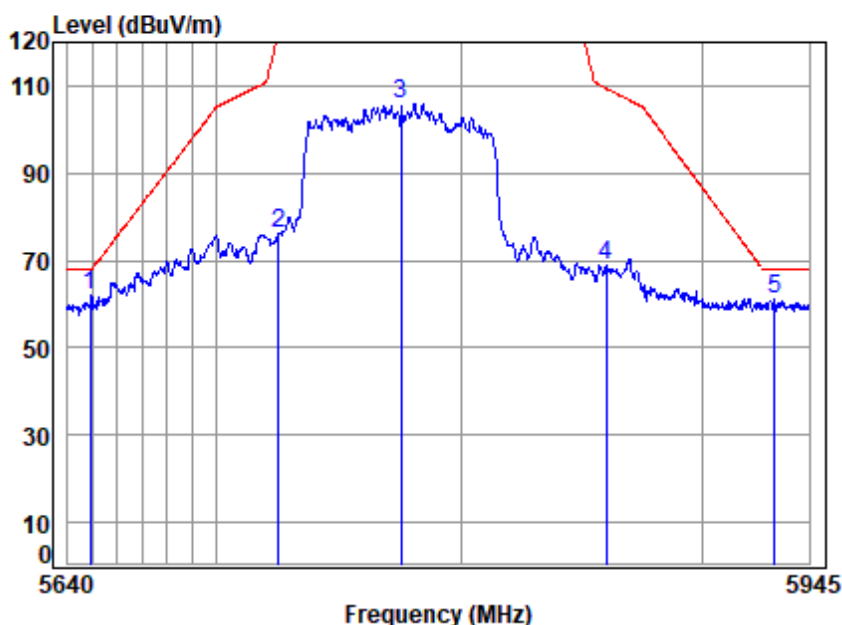
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SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250200051903

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Test Mode: 04; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:80MHz; Channel:middle



Condition: 3m HORIZONTAL

Job No : 00519TL

Mode : 5775 Band edge

: 5.8G Wi-Fi 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 pp	5649.216	10.48	33.10	30.64	49.01	61.95	68.20	-6.25	Peak
2	5724.993	10.67	33.25	30.61	62.82	76.13	122.18	-46.05	peak
3	5775.000	10.91	33.35	30.59	92.13	105.80	-----	-----	peak
4	5860.135	10.94	33.58	30.56	55.01	68.97	109.36	-40.39	peak
5	5930.615	10.87	33.56	30.53	47.14	61.04	68.20	-7.16	peak



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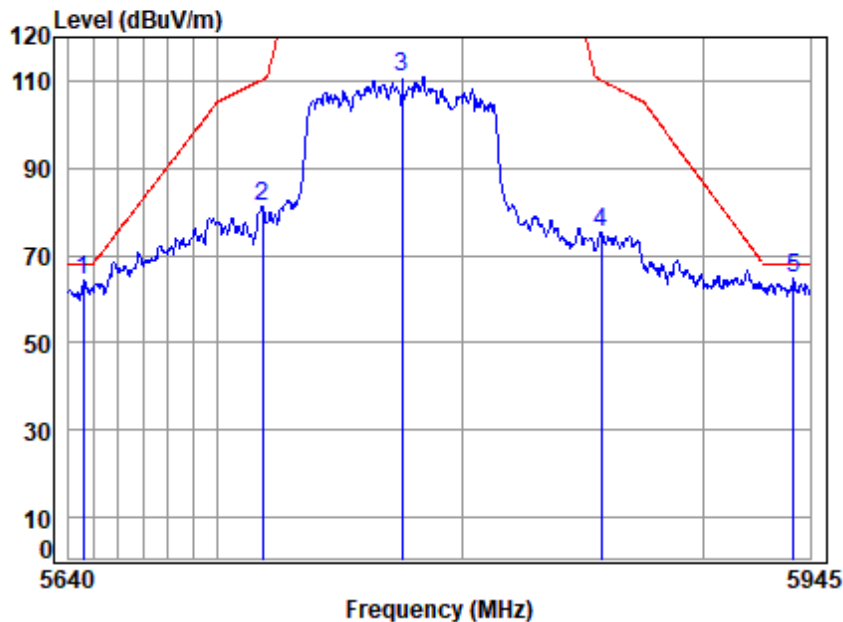
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SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250200051903

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Test Mode: 04; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:80MHz; Channel:middle



Condition: 3m VERTICAL

Job No : 00519TL

Mode : 5775 Band edge

: 5.8G Wi-Fi 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 5645.646	10.48	33.09	30.64	51.30	64.23	68.20	-3.97	Peak
2 5718.063	10.64	33.24	30.61	68.02	81.29	110.26	-28.97	peak
3 5775.000	10.91	33.35	30.59	97.06	110.73	-----	-----	peak
4 5857.357	10.95	33.59	30.56	61.43	75.41	110.14	-34.73	peak
5 pp 5938.116	10.86	33.58	30.52	50.91	64.83	68.20	-3.37	peak



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### 7.6 Duty Cycle

Test Requirement ANSI C63.10 (2013) Section 12.2

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

#### 7.6.1 E.U.T. Operation

Operating Environment:

Temperature: 23.5 °C

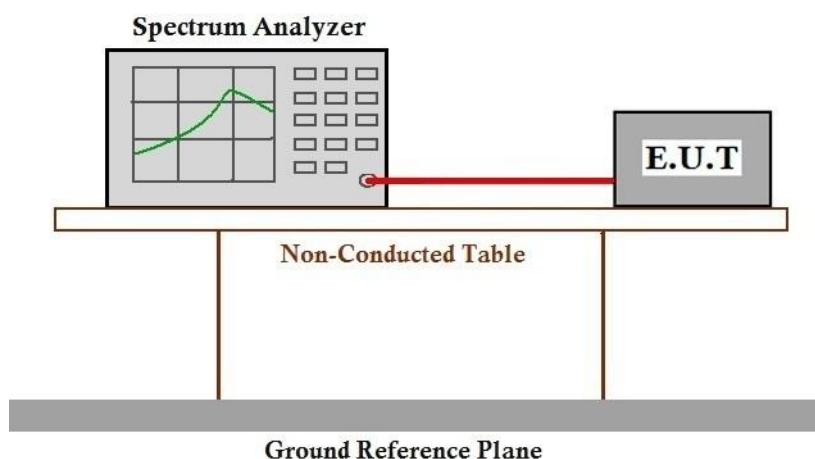
Humidity: 50.3 % RH

Atmospheric Pressure: 1020 mbar

#### 7.6.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	01	TX mode (U-NII-1)_Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.
Final test	02	TX mode (U-NII-2A) _Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.
Final test	03	TX mode (U-NII-2C) _Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.
Final test	04	TX mode (U-NII-3) _Keep the EUT in continuously transmitting mode with all modulation types. 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 99% Bandwidth

Test Requirement ANSI C63.10 (2013) Section 12.4.2

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

#### 7.7.1 E.U.T. Operation

Operating Environment:

Temperature: 23.5 °C

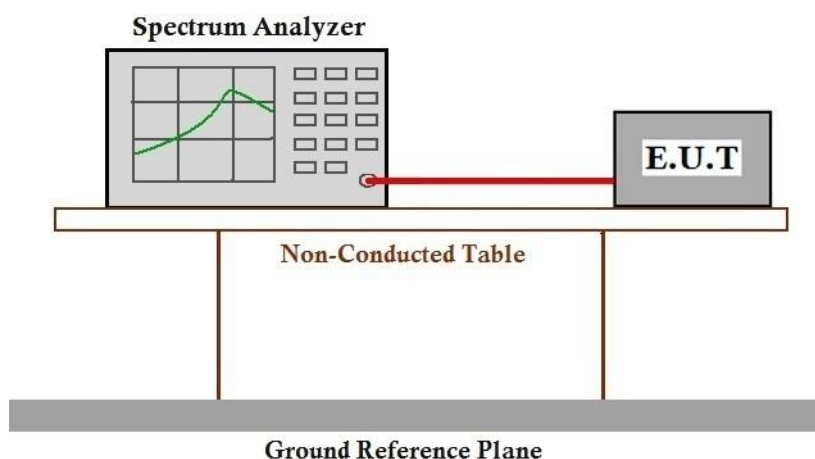
Humidity: 50.3 % RH

Atmospheric Pressure: 1020 mbar

#### 7.7.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	01	TX mode (U-NII-1)_Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.
Final test	02	TX mode (U-NII-2A) _Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.
Final test	03	TX mode (U-NII-2C) _Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.
Final test	04	TX mode (U-NII-3) _Keep the EUT in continuously transmitting mode with all modulation types. 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 26dB Emission bandwidth

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

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

#### 7.8.1 E.U.T. Operation

Operating Environment:

Temperature: 23.5 °C

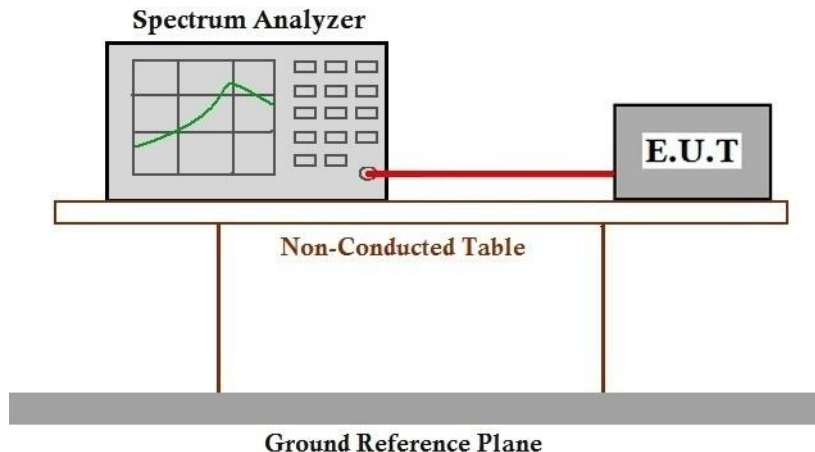
Humidity: 50.2 % RH

Atmospheric Pressure: 1020 mbar

#### 7.8.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	01	TX mode (U-NII-1)_Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.
Final test	02	TX mode (U-NII-2A) _Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.
Final test	03	TX mode (U-NII-2C) _Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.

#### 7.8.3 Test Setup Diagram



#### 7.8.4 Measurement Procedure and Data

Please Refer to Appendix for Details



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

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

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

Limit:

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

#### 7.9.1 E.U.T. Operation

Operating Environment:

Temperature: 23.5 °C

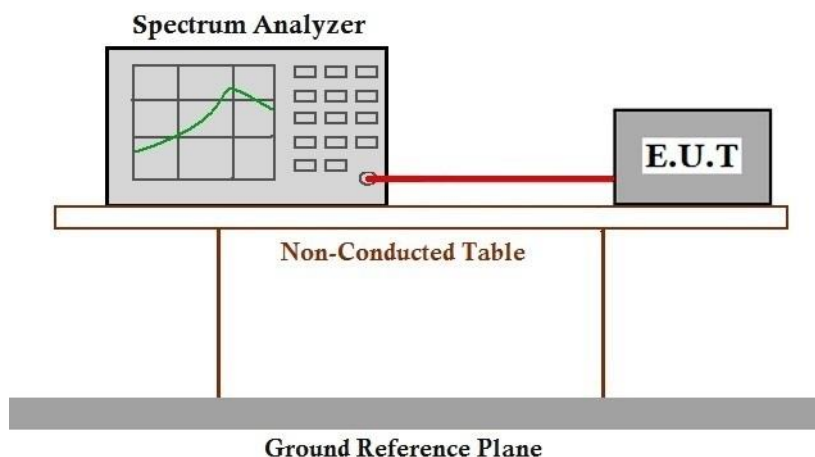
Humidity: 50.2 % RH

Atmospheric Pressure: 1020 mbar

#### 7.9.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	04	TX mode (U-NII-3) _Keep the EUT in continuously transmitting mode with all modulation types. 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 (2013) Section 12.5

Limit:

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

### 7.10.1 E.U.T. Operation

Operating Environment:

Temperature: 23.5 °C

Humidity: 50.2 % RH

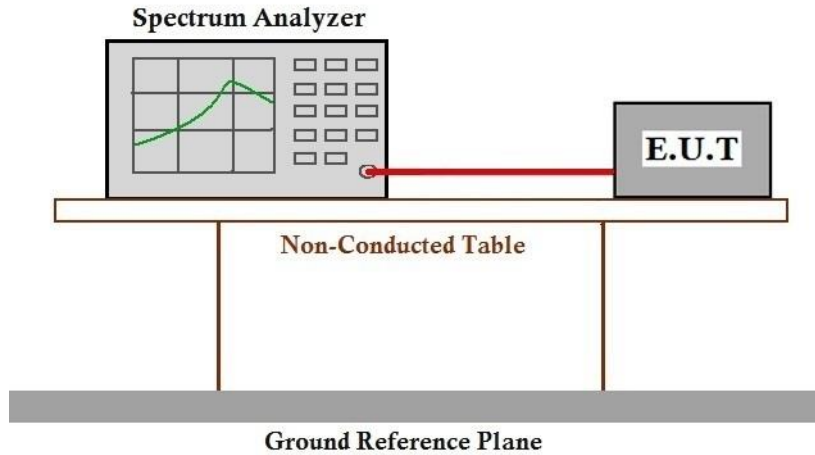
Atmospheric Pressure: 1020 mbar

### 7.10.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	01	TX mode (U-NII-1)_Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.
Final test	02	TX mode (U-NII-2A) _Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.
Final test	03	TX mode (U-NII-2C) _Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.
Final test	04	TX mode (U-NII-3) _Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.



### 7.10.3 Test Setup Diagram



### 7.10.4 Measurement Procedure and Data

Please Refer to Appendix for Details

### 7.11 Frequency Stability

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

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

#### 7.11.1 E.U.T. Operation

Operating Environment:

Temperature: 23.5 °C

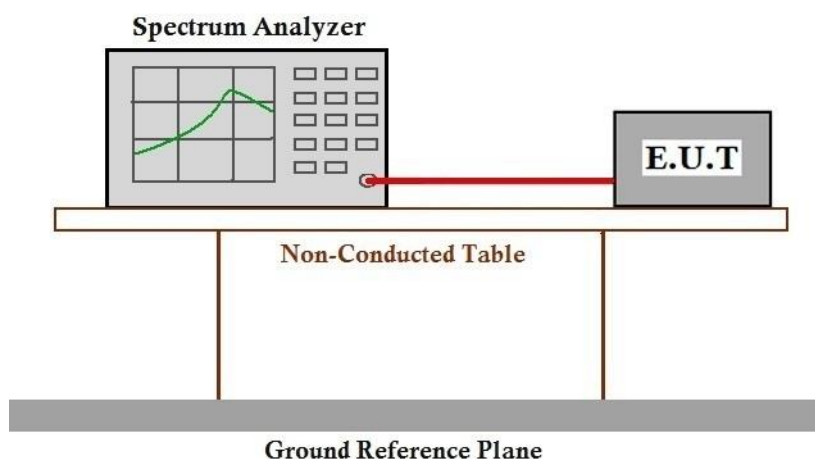
Humidity: 50.3 % RH

Atmospheric Pressure: 1020 mbar

#### 7.11.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	01	TX mode (U-NII-1)_Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.
Final test	02	TX mode (U-NII-2A) _Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.
Final test	03	TX mode (U-NII-2C) _Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.
Final test	04	TX mode (U-NII-3) _Keep the EUT in continuously transmitting mode with all modulation types. 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 Photo for SZCR2502000519TL

## 9 EUT Constructional Details (EUT Photos)

Refer to Appendix – External and Internal Photos for SZCR2502000519T.



## 10 Appendix

### 1. Duty Cycle

#### 1.1 Test Result

##### 1.1.1 Ant1

Ant1									
Mode	Tx Type	Frequency (MHz)	RU	RU Pos	T <sub>on</sub> (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
802.11a	SISO	5180	/	/	2.761	2.812	98.19	0.08	0.07
		5200	/	/	2.762	2.820	97.94	0.09	0.35
		5240	/	/	2.760	2.820	97.87	0.09	0.35
		5260	/	/	2.761	2.821	97.87	0.09	0.35
		5300	/	/	2.761	2.820	97.91	0.09	0.31
		5320	/	/	2.761	2.820	97.91	0.09	0.31
		5500	/	/	2.760	2.811	98.19	0.08	0.07
		5580	/	/	2.760	2.811	98.19	0.08	0.04
		5700	/	/	2.761	2.820	97.91	0.09	0.38
		5745	/	/	2.760	2.811	98.19	0.08	0.04
		5785	/	/	2.761	2.820	97.91	0.09	0.31
		5825	/	/	2.760	2.811	98.19	0.08	0.04
802.11n (HT20)	MIMO	5180	/	/	0.297	0.689	43.11	3.65	2.37
		5200	/	/	0.297	0.689	43.11	3.65	2.37
		5240	/	/	0.296	0.671	44.11	3.55	2.52
		5260	/	/	0.297	0.725	40.97	3.88	4.50
		5300	/	/	0.297	0.671	44.26	3.54	2.52
		5320	/	/	0.297	0.689	43.11	3.65	3.62
		5500	/	/	0.297	0.689	43.11	3.65	2.39
		5580	/	/	0.297	0.348	85.34	0.69	4.74
		5700	/	/	0.296	0.671	44.11	3.55	0.07
		5745	/	/	0.297	0.672	44.20	3.55	0.08
		5785	/	/	0.296	0.689	42.96	3.67	1.19
		5825	/	/	0.297	0.672	44.20	3.55	0.04
802.11n (HT40)	MIMO	5190	/	/	0.164	0.521	31.48	5.02	1.14
		5230	/	/	0.164	0.557	29.44	5.31	2.07
		5270	/	/	0.167	0.557	29.98	5.23	2.07
		5310	/	/	0.167	0.557	29.98	5.23	2.04

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		5510	/	/	0.164	0.521	31.48	5.02	1.17
		5550	/	/	0.167	0.557	29.98	5.23	2.09
		5670	/	/	0.164	0.575	28.52	5.45	4.12
		5755	/	/	0.164	0.521	31.48	5.02	1.23
		5795	/	/	0.165	0.557	29.62	5.28	2.07
802.11ac (VHT20)	MIMO	5180	/	/	0.257	0.649	39.60	4.02	2.34
		5200	/	/	0.256	0.649	39.45	4.04	2.37
		5240	/	/	0.257	0.613	41.92	3.78	1.30
		5260	/	/	0.257	0.650	39.54	4.03	2.35
		5300	/	/	0.260	0.649	40.06	3.97	2.36
		5320	/	/	0.260	0.739	35.18	4.54	7.22
		5500	/	/	0.257	0.937	27.43	5.62	15.76
		5580	/	/	0.257	0.631	40.73	3.90	1.24
		5700	/	/	0.256	0.649	39.45	4.04	2.37
		5745	/	/	0.257	0.650	39.54	4.03	2.33
		5785	/	/	0.256	0.649	39.45	4.04	2.33
		5825	/	/	0.257	0.685	37.52	4.26	5.70
802.11ac (VHT40)	MIMO	5190	/	/	0.136	0.511	26.61	5.75	0.02
		5230	/	/	0.140	0.530	26.42	5.78	0.95
		5270	/	/	0.140	0.529	26.47	5.77	0.95
		5310	/	/	0.139	0.565	24.60	6.09	2.64
		5510	/	/	0.136	0.529	25.71	5.90	0.97
		5550	/	/	0.068	0.425	16.00	7.96	0.72
		5670	/	/	0.068	0.478	14.23	8.47	1.85
		5755	/	/	0.071	0.425	16.71	7.77	0.75
		5795	/	/	0.071	0.425	16.71	7.77	0.77
802.11ac (VHT80)	MIMO	5210	/	/	0.056	0.430	13.02	8.85	0.61
		5290	/	/	0.056	0.430	13.02	8.85	0.60
		5530	/	/	0.056	0.430	13.02	8.85	0.63
		5610	/	/	0.056	0.430	13.02	8.85	0.64
		5775	/	/	0.056	0.430	13.02	8.85	0.58
802.11ax (HEW20)	MIMO	5180	RU242	Left	0.101	0.476	21.22	6.73	1.74
		5200	RU242	Left	0.100	0.475	21.05	6.77	1.80
		5240	RU242	Left	0.100	0.547	18.28	7.38	4.48
		5260	RU242	Left	0.103	0.475	21.68	6.64	0.92
		5300	RU242	Left	0.103	0.475	21.68	6.64	0.86
		5320	RU242	Left	0.100	0.583	17.15	7.66	5.73
		5500	RU242	Left	0.104	0.475	21.89	6.60	1.78
		5580	RU242	Left	0.100	0.475	21.05	6.77	1.80
		5700	RU242	Left	0.100	0.475	21.05	6.77	0.87



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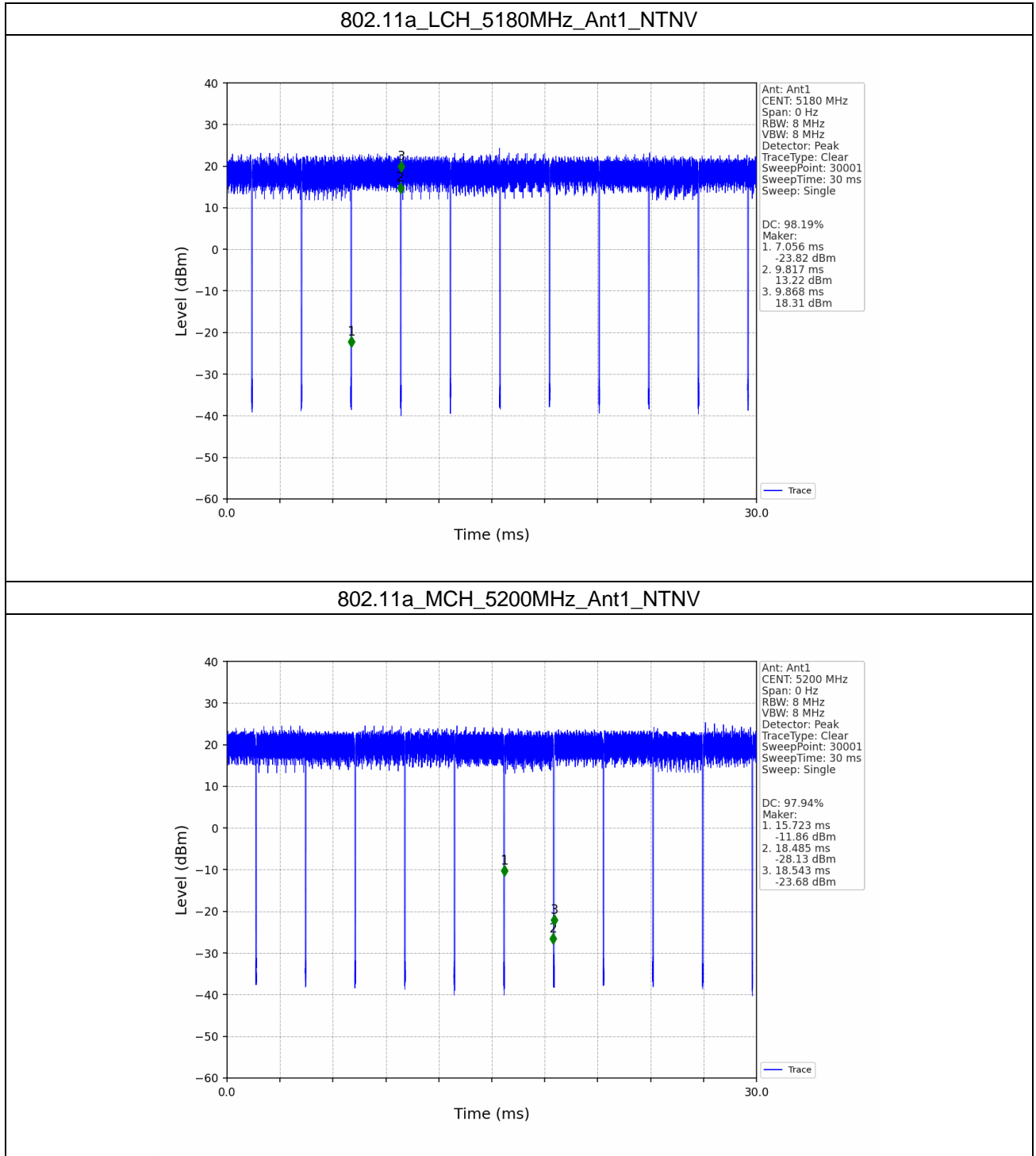
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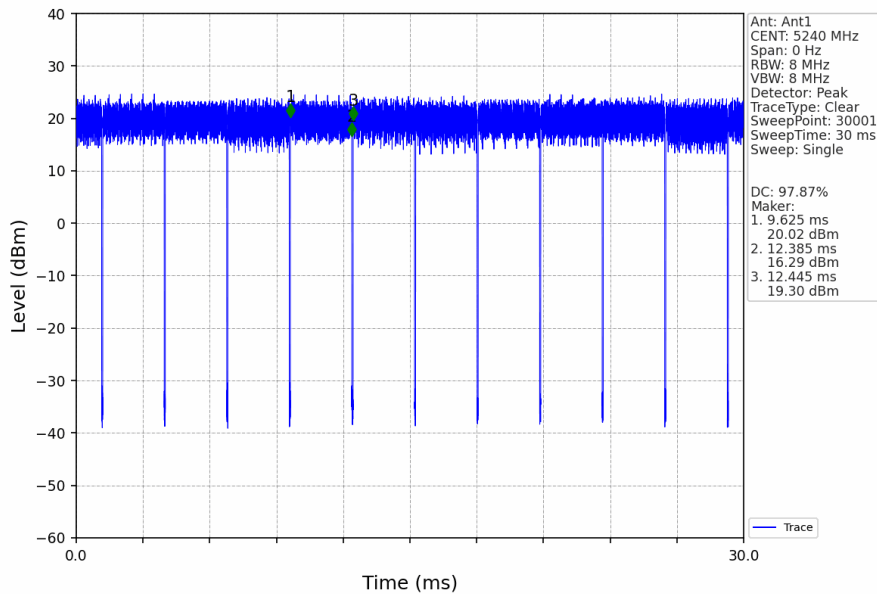
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		5785	RU242	Left	0.103	0.475	21.68	6.64	0.92
		5825	RU242	Left	0.101	0.476	21.22	6.73	1.75
802.11ax (HEW40)	MIMO	5190	RU484	Left	0.065	0.439	14.81	8.30	1.32
		5230	RU484	Left	0.065	0.421	15.44	8.11	0.69
		5270	RU484	Left	0.065	0.439	14.81	8.30	1.35
		5310	RU484	Left	0.064	0.439	14.58	8.36	1.35
		5510	RU484	Left	0.065	0.439	14.81	8.30	1.38
		5550	RU484	Left	0.065	0.421	15.44	8.11	0.72
		5670	RU484	Left	0.065	0.439	14.81	8.30	1.31
		5755	RU484	Left	0.065	0.439	14.81	8.30	1.32
		5795	RU484	Left	0.065	0.439	14.81	8.30	1.32
802.11ax (HEW80)	MIMO	5210	RU996	Left	0.056	0.430	13.02	8.85	0.61
		5290	RU996	Left	0.058	0.430	13.49	8.70	0.60
		5530	RU996	Left	0.057	0.430	13.26	8.78	0.61
		5610	RU996	Left	0.057	0.430	13.26	8.78	0.63
		5775	RU996	Left	0.057	0.431	13.23	8.79	0.58

### 1.2 Test Graph

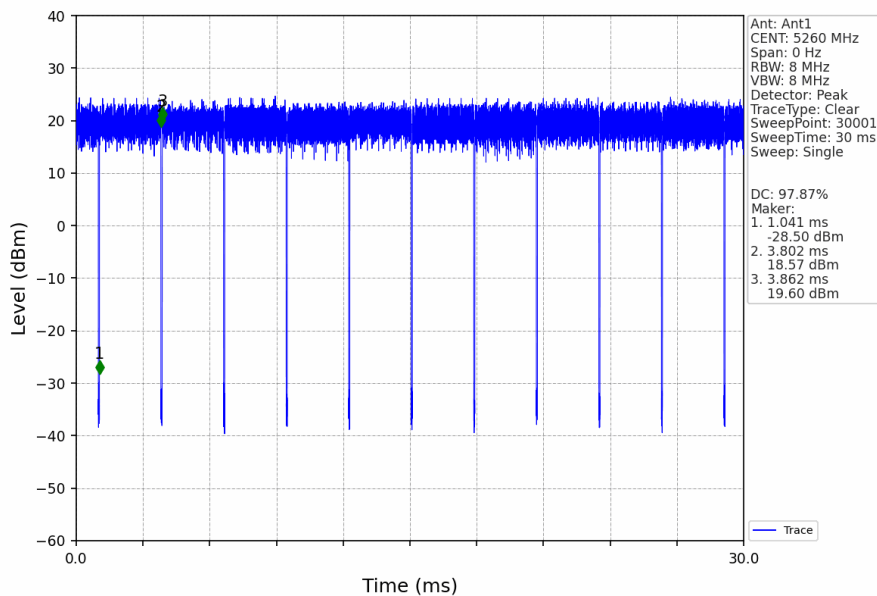
#### 1.2.1 Ant1



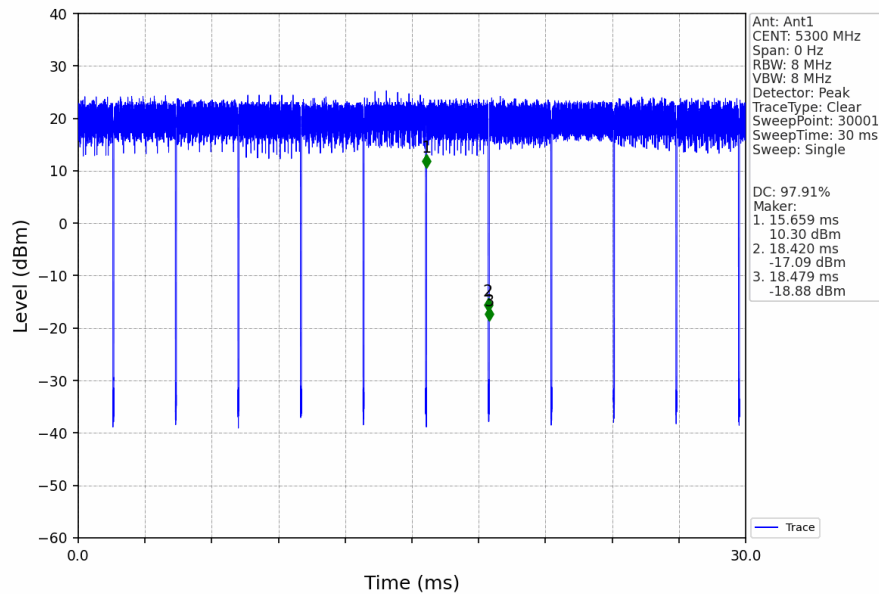
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### 802.11a\_LCH\_5260MHz\_Ant1\_NTNV



### 802.11a\_MCH\_5300MHz\_Ant1\_NTNV



### 802.11a\_HCH\_5320MHz\_Ant1\_NTNV

