

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

SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230600176901

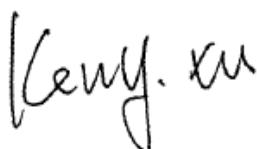
Page: 1 of 144

TEST REPORT

Application No.: SZCR2306001769AT
Applicant: SHENZHEN OFEIXIN TECHNOLOGY LIMITED
Address of Applicant: Room 503, Building A3,Area B,Songbai Industrial Park,Guangming District,Shenzhen
Manufacturer: SHENZHEN OFEIXIN TECHNOLOGY LIMITED
Address of Manufacturer: Room 503, Building A3,Area B,Songbai Industrial Park,Guangming District,Shenzhen
Equipment Under Test (EUT):
EUT Name: Wi-Fi Tri-band 2x2 MIMO DBS 802.11ax + Bluetooth 5.2 Module
Model No.: O2066PM
FCC ID: 2AT5W-O2066PM
Standard(s) : 47 CFR Part 15, Subpart E 15.407
Date of Receipt: 2023-06-07
Date of Test: 2023-06-16 to 2023-07-03
Date of Issue: 2023-07-04

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



Keny Xu
EMC Laboratory Manager



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

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Revision Record				
Version	Chapter	Date	Modifier	Remark
01		2023-07-04		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
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
Maximum Conducted output power		ANSI C63.10 (2013) Section 12.3	47 CFR Part 15, Subpart E 15.407 (a)	Pass
Peak Power spectrum density		ANSI C63.10 (2013) Section 12.5	47 CFR Part 15, Subpart E 15.407 (a)	Pass
In-band Emission(Emission Mask)		ANSI C63.10 (2013) Section 12.5	47 CFR Part 15, Subpart E 15.407 (b)	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
Frequency Stability		ANSI C63.10 (2013) Section 6.8	47 CFR Part 15, Subpart E 15.407 (g)	Pass
Contention Based Protocol		KDB 987597 D02	47 CFR Part 15, Subpart E 15.407 (d)	Pass

Remark: This device support partial RU and Full RU, only the worst case of Full RU test data was recorded in this report.

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4 General Information

4.1 Details of E.U.T.

Power supply:	DC3.3V from debug board Debug board input:DC12V/2A
Operation Frequency:	U-NII-5: 5955-6415MHz U-NII-6: 6435-6515MHz U-NII-7: 6535-6865MHz U-NII-8: 6885-7115MHz
Number of channels:	20MHz bandwidth: 59 40MHz bandwidth: 29 80MHz bandwidth: 14 160MHz bandwidth: 7
Modulation Type:	802.11ax: OFDMA (BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM)
Channel Spacing:	802.11ax20: 20MHz 802.11ax40: 40MHz 802.11ax80: 80MHz 802.11ax160: 160MHz
Antenna Type:	PCB Antenna
Antenna Gain:	Ant1: 3.5dBi; Ant2: 3.5dBi

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4.2 Description of Support Units

Description	Manufacturer	Model No.
Power adapter	KUANTEN	KT241120200CH
Debug board	Qualcomm	Y6570
Laptop	Lenovo	T430

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4.3 Measurement Uncertainty

Test Item	Measurement Uncertainty
Conducted Emissions at AC Power Line (150kHz-30MHz)	± 3.1dB
Duty Cycle	± 0.37%
99% Bandwidth	± 3%
26dB Emission bandwidth	± 3%
Maximum Conducted output power	± 0.75dB
Peak Power spectrum density	± 2.84dB
In-band Emission(Emission Mask)	± 2.84dB
Radiated Emissions (Below 1GHz)	± 6.0dB for 3m; ± 5.0dB for 10m
Radiated Emissions (Above 1GHz)	± 4.6dB (1-18GHz);± 4.8dB (18-40GHz)
Radiated Emissions which fall in the restricted bands	± 6.0dB (below 1GHz); ± 4.6dB (above 1GHz);
Frequency Stability	± 7.25 x 10 ⁻⁸



4.4 Test Location

All tests were performed at:

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

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

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

No tests were sub-contracted.

4.5 Test Facility

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

- **A2LA (Certificate No. 3816.01)**

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

- **VCCI (Member No. 1937)**

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

- **FCC –Designation Number: CN1336**

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

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

- **Innovation, Science and Economic Development Canada**

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

CAB identifier: CN0006.

IC#: 4620C.

4.6 Deviation from Standards

None

4.7 Abnormalities from Standard Conditions

None

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5 Equipment List

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

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

99% Bandwidth					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
DC Power Supply	Chroma	62012P-80-60	SEM011-11	2022-10-20	2023-10-19
MXA Signal Analyzer	KEYSIGHT	N9020A	SEM004-19	2023-03-21	2024-03-20
Measurement Software	TST PASS	TST PASS V2.0	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM031-01	2022-07-08	2023-07-07
Attenuator	Huber+Suhner	6620_SMA-50-1	SEM021-09	2023-03-31	2024-03-30



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26dB Emission bandwidth

Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
DC Power Supply	Chroma	62012P-80-60	SEM011-11	2022-10-20	2023-10-19
MXA Signal Analyzer	KEYSIGHT	N9020A	SEM004-19	2023-03-21	2024-03-20
Measurement Software	TST PASS V2.0		N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM031-01	2022-07-08	2023-07-07
Attenuator	Huber+Suhner	6620_SMA-50-1	SEM021-09	2023-03-31	2024-03-30

Contention Based Protocol

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

Maximum Conducted output power

Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
Power Sensor	TST PASS	TSPS2023R	SEM009-26	2023-04-01	2024-03-31
Power Sensor	KEYSIGHT	U2021XA	SEM009-16	2023-03-21	2024-03-20
DC Power Supply	Chroma	62012P-80-60	SEM011-11	2022-10-20	2023-10-19
Measurement Software	TST PASS V2.0		N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM031-01	2022-07-08	2023-07-07
Attenuator	Huber+Suhner	6620_SMA-50-1	SEM021-09	2023-03-31	2024-03-30

Peak Power spectrum density

Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
DC Power Supply	Chroma	62012P-80-60	SEM011-11	2022-10-20	2023-10-19
MXA Signal Analyzer	KEYSIGHT	N9020A	SEM004-19	2023-03-21	2024-03-20
Measurement Software	TST PASS V2.0		N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM031-01	2022-07-08	2023-07-07
Attenuator	Huber+Suhner	6620_SMA-50-1	SEM021-09	2023-03-31	2024-03-30

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In-band Emission(Emission Mask)						
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date	
DC Power Supply	Chroma	62012P-80-60	SEM011-11	2022-10-20	2023-10-19	
MXA Signal Analyzer	KEYSIGHT	N9020A	SEM004-19	2023-03-21	2024-03-20	
Measurement Software	TST PASS	TST PASS V2.0	N/A	N/A	N/A	
Coaxial Cable	SGS	N/A	SEM031-01	2022-07-08	2023-07-07	
Attenuator	Huber+Suhner	6620_SMA-50-1	SEM021-09	2023-03-31	2024-03-30	

Radiated Emissions (Below 1GHz)						
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date	
Loop Antenna	ETS-Lindgren	6502	SEM003-08	2021-11-30	2023-11-29	
3m Semi-Anechoic Chamber	ETS-LINDGREN	N/A	SEM001-01	2020-07-19	2023-07-18	
MXE EMI Receiver	Agilent Technologies	N9038A	SEM004-15	2022-10-20	2023-10-19	
BiConiLog Antenna	ETS-LINDGREN	3142C	SEM003-01	2021-09-17	2023-09-16	
Pre-Amplifier	Agilent Technologies	8447D	SEM005-01	2023-03-20	2024-03-19	
Measurement Software	AUDIX	e3 V8.2014-6-27	N/A	N/A	N/A	
Coaxial Cable	SGS	N/A	SEM025-01	2022-07-08	2023-07-07	

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

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



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Measurement Software	AUDIX	e3 V8.2014-6-27	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM026-01	2022-07-08	2023-07-07

Frequency Stability

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

General used equipment

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

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6 Radio Spectrum Technical Requirement

6.1 Antenna Requirement

6.1.1 Test Requirement:

47 CFR Part 15, Subpart C 15.203

6.1.2 Conclusion

Standard Requirement:

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

EUT Antenna:

The antenna is integrated on the main PCB and no consideration of replacement. The best case gain of the Antenna 1: 3.5dBi; Antenna 2: 3.5dBi;

Antenna location: Refer to internal photo.



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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 detects absence of information to transmit or operational failure, it will be automatically shut off.



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7 Radio Spectrum Matter Test Results

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

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

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

Limit:

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

*Decreases with the logarithm of the frequency.

7.1.1 E.U.T. Operation

Operating Environment:

Temperature: 23.8 °C

Humidity: 43.9 % RH

Atmospheric Pressure: 1005 mbar

7.1.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	00	TX mode (U-NII-5) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found data rate @ MCS0 is the worst case of IEEE 802.11ax 20/40/80/160, Only the data of worst case is recorded in the report.
Pre-scan	01	TX mode (U-NII-6) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ MCS0 is the worst case of IEEE 802.11ax 20/40/80/160, Only the data of worst case is recorded in the report.
Pre-scan	02	TX mode (U-NII-7) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ MCS0 is the worst case of IEEE 802.11ax 20/40/80/160, Only the data of worst case is recorded in the report.
Pre-scan	03	TX mode (U-NII-8) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ MCS0 is the worst case of IEEE 802.11ax 20/40/80/160, Only the data of worst case is recorded in the report.

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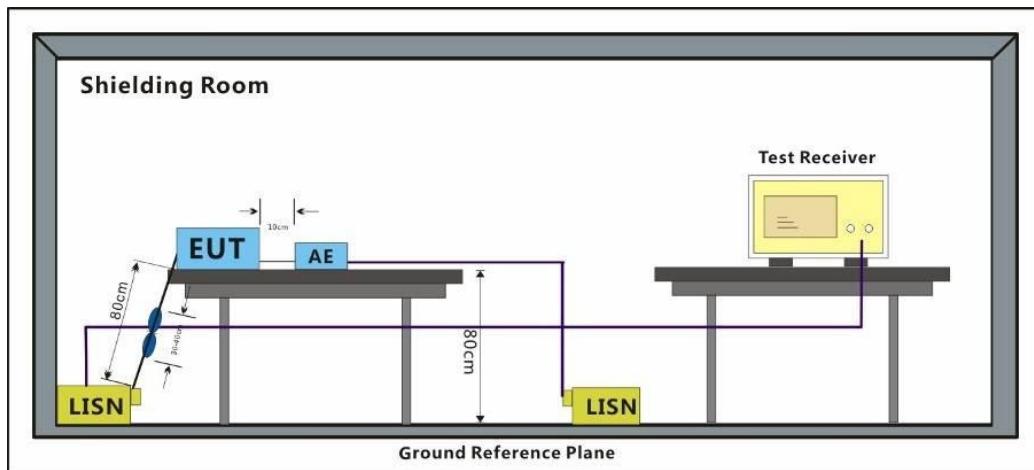
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7.1.3 Test Setup Diagram



7.1.4 Measurement Procedure and Data

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

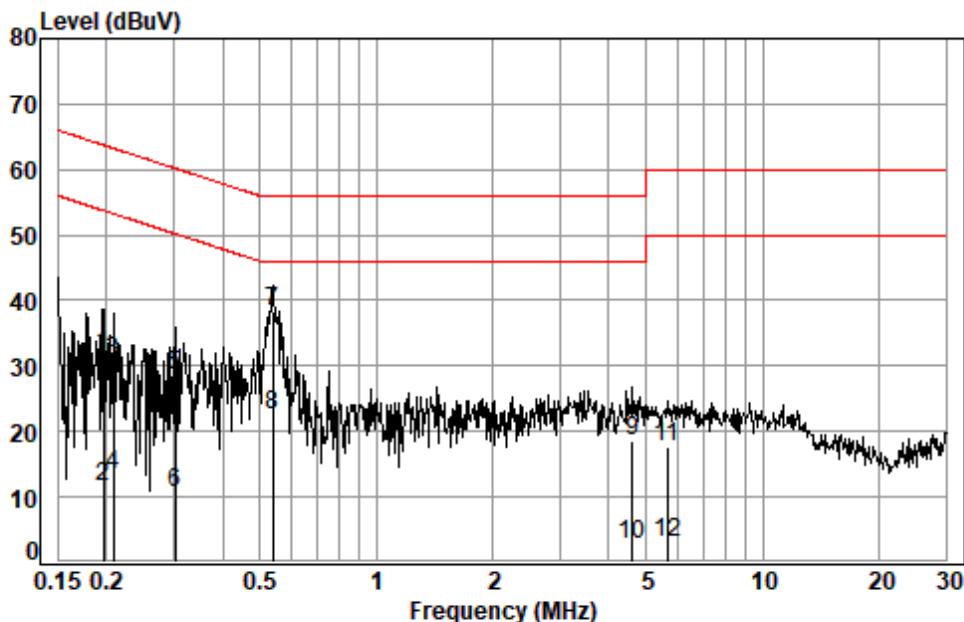
Remark: Level=Read Level+ Cable Loss+ LISN Factor



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Test Mode: 00; Line: Live line



Site : Shielding Room

Condition: Line

Job No. : 01769AT

Test mode: 00

Freq	Cable	LISN	Read	Limit		Over	Remark
	Freq	Loss	Factor	Level	Level	Line	
	MHz	dB	dB	dBuV	dBuV	dBuV	dB
1	0.1965	0.03	9.76	21.76	31.55	63.76	-32.21 QP
2	0.1965	0.03	9.76	1.74	11.53	53.76	-42.23 Average
3	0.2083	0.04	9.76	21.02	30.82	63.27	-32.45 QP
4	0.2083	0.04	9.76	3.70	13.50	53.27	-39.77 Average
5	0.3019	0.04	9.76	18.84	28.64	60.19	-31.55 QP
6	0.3019	0.04	9.76	0.98	10.78	50.19	-39.41 Average
7 *	0.5407	0.06	9.76	28.64	38.46	56.00	-17.54 QP
8 *	0.5407	0.06	9.76	12.66	22.48	46.00	-23.52 Average
9	4.5979	0.15	9.89	8.62	18.66	56.00	-37.34 QP
10	4.5979	0.15	9.89	-7.22	2.82	46.00	-43.18 Average
11	5.6532	0.16	9.95	7.39	17.50	60.00	-42.50 QP
12	5.6532	0.16	9.95	-6.92	3.19	50.00	-46.81 Average

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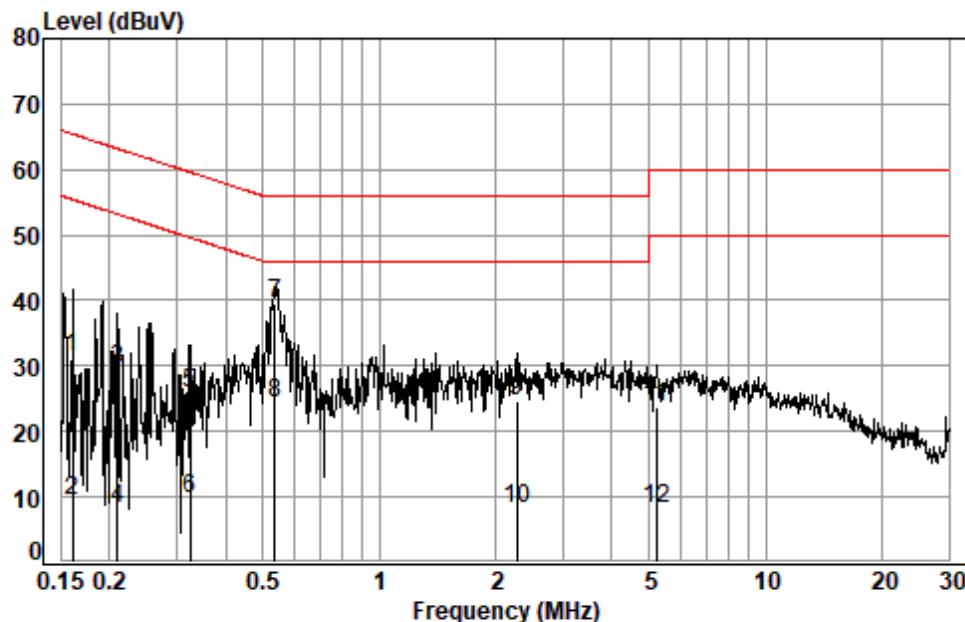
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Test Mode: 00; Line: Neutral Line



Site : Shielding Room

Condition: Neutral

Job No. : 01769AT

Test mode: 00

Freq	Cable	LISN	Read	Limit	Over	Remark	
	Freq	Loss	Factor				
	MHz	dB	dB	dBuV	dBuV	dBuV	dB
1	0.1607	0.03	9.73	21.54	31.30	65.43	-34.13 QP
2	0.1607	0.03	9.73	-0.21	9.55	55.43	-45.88 Average
3	0.2106	0.04	9.73	19.64	29.41	63.18	-33.77 QP
4	0.2106	0.04	9.73	-1.63	8.14	53.18	-45.04 Average
5	0.3234	0.05	9.73	15.96	25.74	59.62	-33.88 QP
6	0.3234	0.05	9.73	0.03	9.81	49.62	-39.81 Average
7 *	0.5378	0.06	9.74	29.81	39.61	56.00	-16.39 QP
8 *	0.5378	0.06	9.74	14.50	24.30	46.00	-21.70 Average
9	2.2726	0.11	9.80	14.72	24.63	56.00	-31.37 QP
10	2.2726	0.11	9.80	-1.72	8.19	46.00	-37.81 Average
11	5.2213	0.15	9.94	13.52	23.61	60.00	-36.39 QP
12	5.2213	0.15	9.94	-1.83	8.26	50.00	-41.74 Average

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7.2 Duty Cycle

Test Requirement ANSI C63.10 (2013) SECTION 12.2

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

7.2.1 E.U.T. Operation

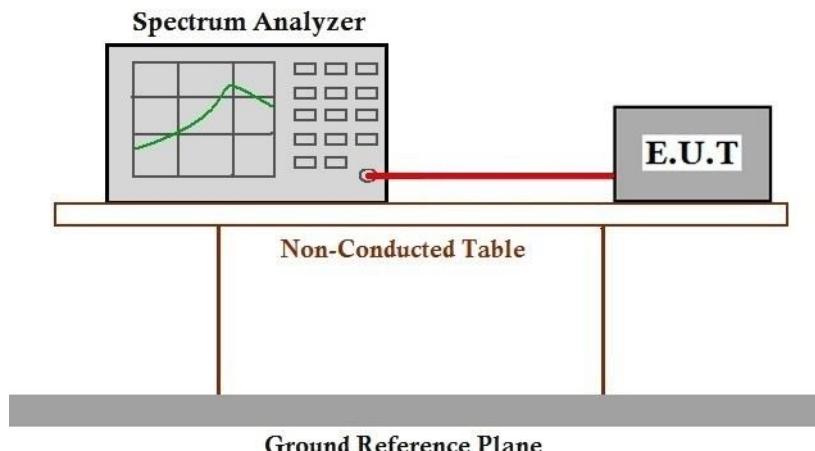
Operating Environment:

Temperature: 24.5 °C Humidity: 50.5 % RH Atmospheric Pressure: 1005 mbar

7.2.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	00	TX mode (U-NII-5) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found data rate @ MCS0 is the worst case of IEEE 802.11ax 20/40/80/160, Only the data of worst case is recorded in the report.
Final test	01	TX mode (U-NII-6) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ MCS0 is the worst case of IEEE 802.11ax 20/40/80/160, Only the data of worst case is recorded in the report.
Final test	02	TX mode (U-NII-7) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ MCS0 is the worst case of IEEE 802.11ax 20/40/80/160, Only the data of worst case is recorded in the report.
Final test	03	TX mode (U-NII-8) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ MCS0 is the worst case of IEEE 802.11ax 20/40/80/160, Only the data of worst case is recorded in the report.

7.2.3 Test Setup Diagram



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7.2.4 Measurement Procedure and Data

Please Refer to Appendix for Details



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7.3 99% Bandwidth

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

7.3.1 E.U.T. Operation

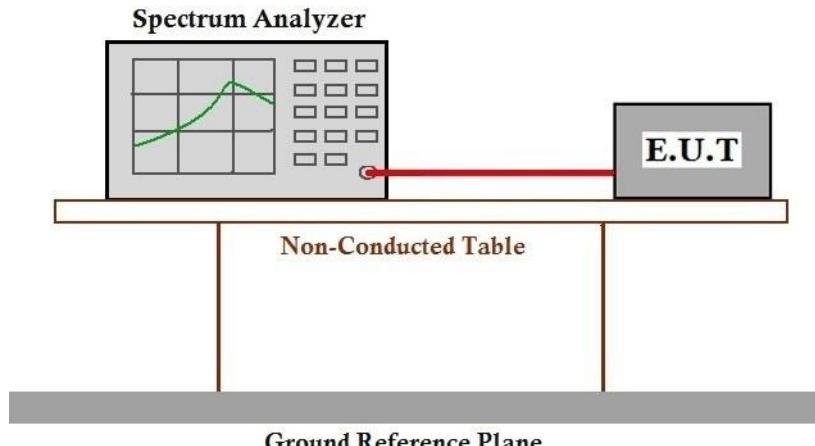
Operating Environment:

Temperature: 24.5 °C Humidity: 50.5 % RH Atmospheric Pressure: 1005 mbar

7.3.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	00	TX mode (U-NII-5) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found data rate @ MCS0 is the worst case of IEEE 802.11ax 20/40/80/160, Only the data of worst case is recorded in the report.
Final test	01	TX mode (U-NII-6) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ MCS0 is the worst case of IEEE 802.11ax 20/40/80/160, Only the data of worst case is recorded in the report.
Final test	02	TX mode (U-NII-7) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ MCS0 is the worst case of IEEE 802.11ax 20/40/80/160, Only the data of worst case is recorded in the report.
Final test	03	TX mode (U-NII-8) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ MCS0 is the worst case of IEEE 802.11ax 20/40/80/160, Only the data of worst case is recorded in the report.

7.3.3 Test Setup Diagram



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7.3.4 Measurement Procedure and Data

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7.4 26dB Emission bandwidth

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

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

7.4.1 E.U.T. Operation

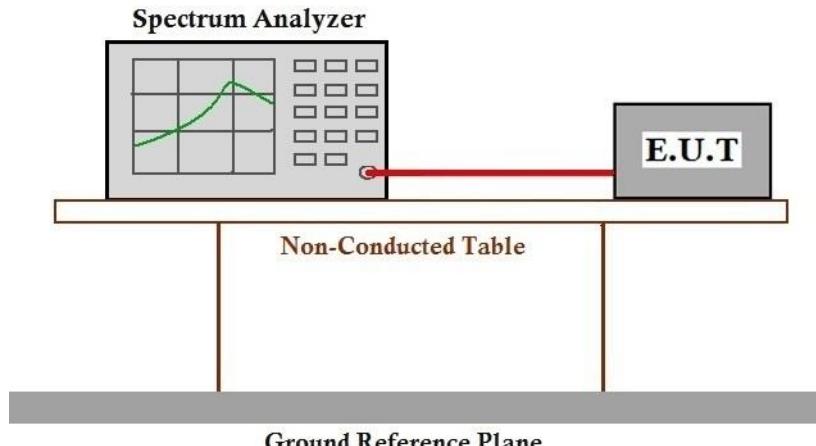
Operating Environment:

Temperature: 24.5 °C Humidity: 50.5 % RH Atmospheric Pressure: 1005 mbar

7.4.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	00	TX mode (U-NII-5) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found data rate @ MCS0 is the worst case of IEEE 802.11ax 20/40/80/160, Only the data of worst case is recorded in the report.
Final test	01	TX mode (U-NII-6) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ MCS0 is the worst case of IEEE 802.11ax 20/40/80/160, Only the data of worst case is recorded in the report.
Final test	02	TX mode (U-NII-7) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ MCS0 is the worst case of IEEE 802.11ax 20/40/80/160, Only the data of worst case is recorded in the report.
Final test	03	TX mode (U-NII-8) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ MCS0 is the worst case of IEEE 802.11ax 20/40/80/160, Only the data of worst case is recorded in the report.

7.4.3 Test Setup Diagram



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7.4.4 Measurement Procedure and Data

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7.5 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:

Device Type	EIRP Limit	EIRP PSD Limit
Client Device	≤24 dBm	≤-1dBm/MHz

7.5.1 E.U.T. Operation

Operating Environment:

Temperature: 24.5 °C Humidity: 50.5 % RH Atmospheric Pressure: 1005 mbar

7.5.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	00	TX mode (U-NII-5) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found data rate @ MCS0 is the worst case of IEEE 802.11ax 20/40/80/160, Only the data of worst case is recorded in the report.
Final test	01	TX mode (U-NII-6) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ MCS0 is the worst case of IEEE 802.11ax 20/40/80/160, Only the data of worst case is recorded in the report.
Final test	02	TX mode (U-NII-7) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ MCS0 is the worst case of IEEE 802.11ax 20/40/80/160, Only the data of worst case is recorded in the report.
Final test	03	TX mode (U-NII-8) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ MCS0 is the worst case of IEEE 802.11ax 20/40/80/160, Only the data of worst case is recorded in the report.

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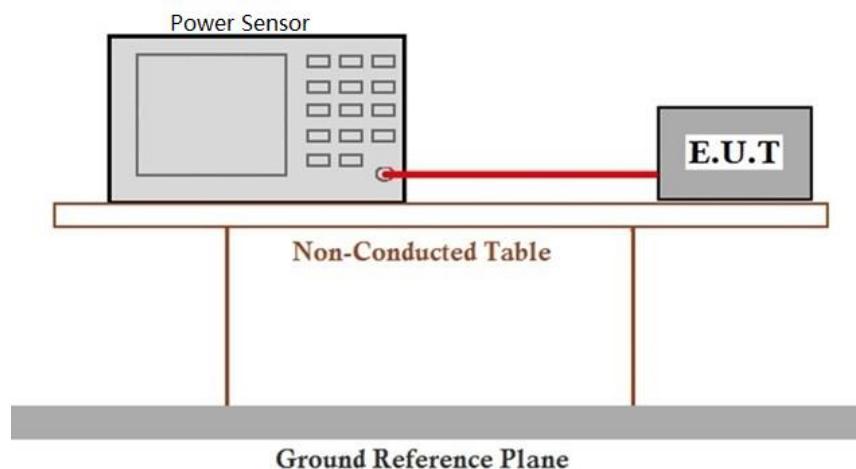
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7.5.3 Test Setup Diagram



7.5.4 Measurement Procedure and Data

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7.6 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:

Device Type	EIRP Limit	EIRP PSD Limit
Client Device	≤24 dBm	≤-1dBm/MHz

7.6.1 E.U.T. Operation

Operating Environment:

Temperature: 24.5 °C Humidity: 50.5 % RH Atmospheric Pressure: 1005 mbar

7.6.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	00	TX mode (U-NII-5) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found data rate @ MCS0 is the worst case of IEEE 802.11ax 20/40/80/160, Only the data of worst case is recorded in the report.
Final test	01	TX mode (U-NII-6) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ MCS0 is the worst case of IEEE 802.11ax 20/40/80/160, Only the data of worst case is recorded in the report.
Final test	02	TX mode (U-NII-7) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ MCS0 is the worst case of IEEE 802.11ax 20/40/80/160, Only the data of worst case is recorded in the report.
Final test	03	TX mode (U-NII-8) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ MCS0 is the worst case of IEEE 802.11ax 20/40/80/160, Only the data of worst case is recorded in the report.

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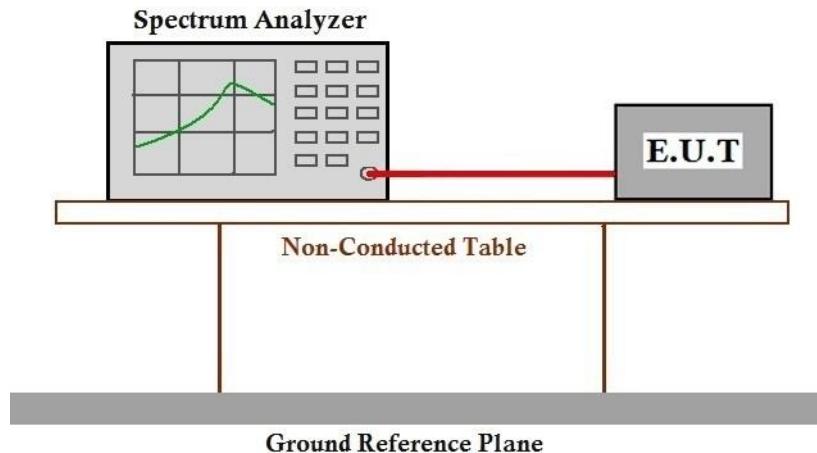
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7.6.3 Test Setup Diagram



7.6.4 Measurement Procedure and Data

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7.7 In-band Emission(Emission Mask)

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

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

Limit:

Power spectral density must be suppressed by 20 dB at 1 MHz outside of channel edge, by 28 dB at one channel bandwidth from the channel center, and by 40 dB at one- and one-half times the channel bandwidth away from channel center. At frequencies between one megahertz outside an unlicensed device's channel edge and one channel bandwidth from the center of the channel, the limits must be linearly interpolated between 20 dB and 28 dB suppression, and at frequencies between one and one- and one-half times an unlicensed device's channel bandwidth, the limits must be linearly interpolated between 28 dB and 40 dB suppression. Emissions removed from the channel center by more than one- and one-half times the channel bandwidth must be suppressed by at least 40 dB.

7.7.1 E.U.T. Operation

Operating Environment:

Temperature: 24.5 °C Humidity: 50.5 % RH Atmospheric Pressure: 1005 mbar

7.7.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	00	TX mode (U-NII-5) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found data rate @ MCS0 is the worst case of IEEE 802.11ax 20/40/80/160, Only the data of worst case is recorded in the report.
Final test	01	TX mode (U-NII-6) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ MCS0 is the worst case of IEEE 802.11ax 20/40/80/160, Only the data of worst case is recorded in the report.
Final test	02	TX mode (U-NII-7) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ MCS0 is the worst case of IEEE 802.11ax 20/40/80/160, Only the data of worst case is recorded in the report.
Final test	03	TX mode (U-NII-8) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ MCS0 is the worst case of IEEE 802.11ax 20/40/80/160, Only the data of worst case is recorded in the report.

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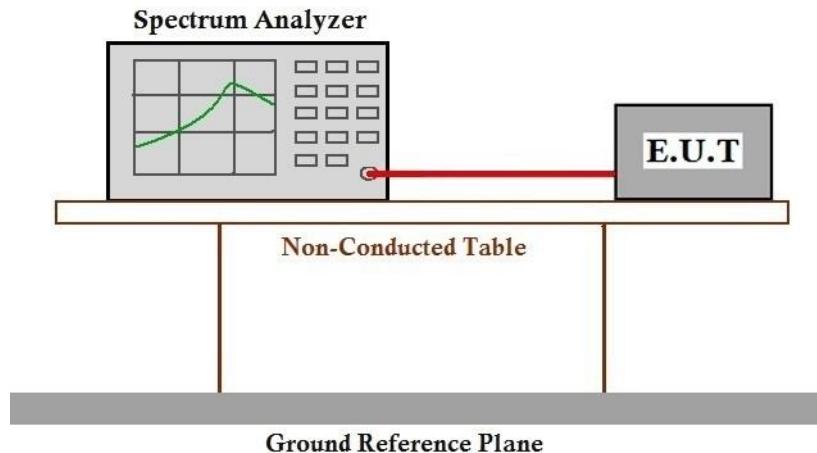
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7.7.3 Test Setup Diagram



7.7.4 Measurement Procedure and Data

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7.8 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

7.8.1 E.U.T. Operation

Operating Environment:

Temperature: 22.1 °C Humidity: 41.2 % RH Atmospheric Pressure: 1005 mbar

7.8.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	00	TX mode (U-NII-5) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found data rate @ MCS0 is the worst case of IEEE 802.11ax 20/40/80/160, Only the data of worst case is recorded in the report.
Pre-scan	01	TX mode (U-NII-6) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ MCS0 is the worst case of IEEE 802.11ax 20/40/80/160, Only the data of worst case is recorded in the report.
Pre-scan	02	TX mode (U-NII-7) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ MCS0 is the worst case of IEEE 802.11ax 20/40/80/160, Only the data of worst case is recorded in the report.
Pre-scan	03	TX mode (U-NII-8) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ MCS0 is the worst case of IEEE 802.11ax 20/40/80/160, Only the data of worst case is recorded in the report.

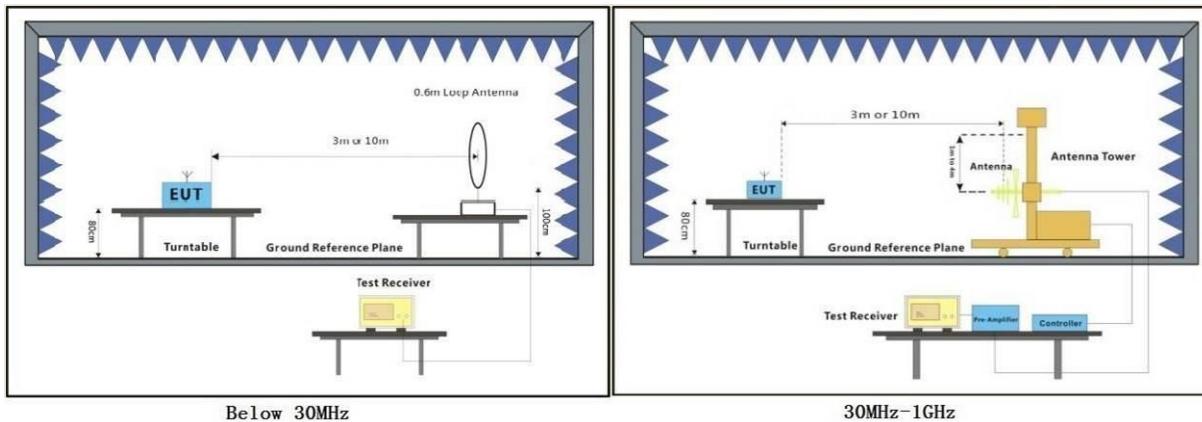
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7.8.3 Test Setup Diagram**7.8.4 Measurement Procedure and Data**

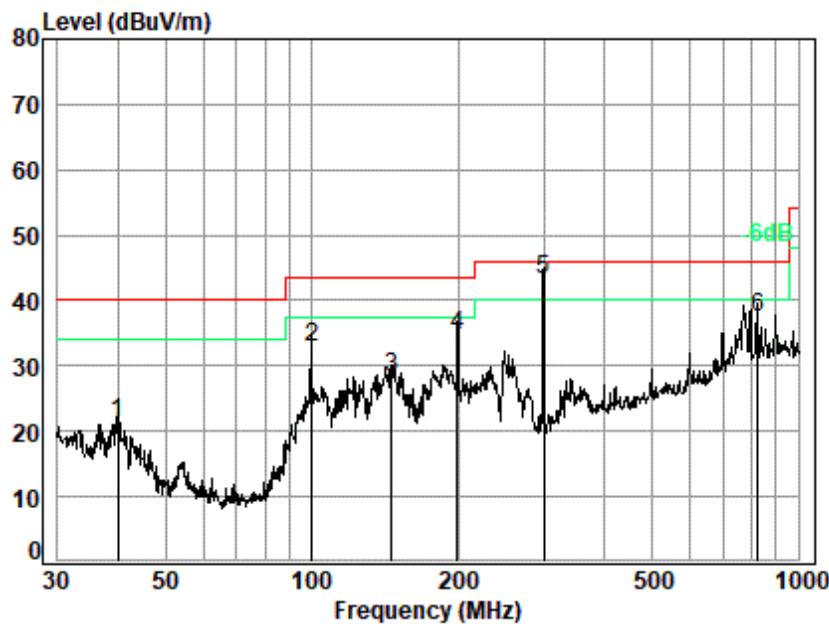
- a. For below 1GHz, the EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 or 10 meters away from the interference-receiving antenna,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

Remark:

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



Test Mode: 00; Polarity: Horizontal



Site : chamber
Condition: 3m HORIZONTAL
Job No. : 01769AT
Test Mode: 00

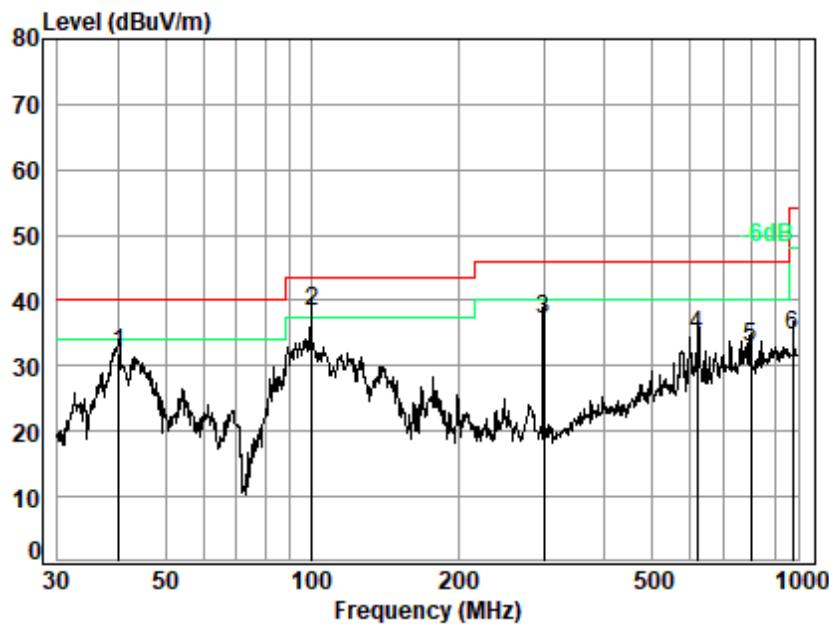
Freq	Ant Factor	Cable Loss	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark	
								MHz	dB/m
1	39.99	15.43	0.67	27.20	32.27	21.17	40.00	-18.83	QP
2	99.88	13.02	1.14	27.00	45.55	32.71	43.50	-10.79	QP
3	145.86	12.53	1.39	26.82	41.13	28.23	43.50	-15.27	QP
4	199.29	14.36	1.69	26.60	45.38	34.83	43.50	-8.67	QP
5 q	299.32	18.63	2.12	26.20	48.51	43.06	46.00	-2.94	QP
6	824.60	27.12	3.75	26.20	32.82	37.49	46.00	-8.51	QP

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Test Mode: 00; Polarity: Vertical



Site : chamber
Condition: 3m VERTICAL
Job No. : 01769AT
Test Mode: 00

Freq	Ant Factor	Cable Loss	Preamp Factor	Read Level	Limit		Over Line Limit	Over Remark
					dB	dBuV		
MHz	dB/m							
1	40.13	15.37	0.67	27.20	43.20	32.04	40.00	-7.96 QP
2 q	99.88	13.02	1.14	27.00	51.23	38.39	43.50	-5.11 QP
3	299.32	18.63	2.12	26.20	42.55	37.10	46.00	-8.90 QP
4	620.71	25.70	3.18	27.02	32.90	34.76	46.00	-11.24 QP
5	798.98	26.96	3.66	26.30	28.60	32.92	46.00	-13.08 QP
6	975.75	28.50	4.20	25.60	27.71	34.81	54.00	-19.19 QP

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7.9 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)
Above 1GHz	500	3

1. Any emission outside the 5925-7125 MHz frequency band shall not exceed -27 dBm/MHz e.i.r.p. spectral density
2. For transmitters operating within the 5.925–7.125 GHz bands: Power spectral density must be suppressed by 20 dB at 1 MHz outside of channel edge, by 28 dB at one channel bandwidth from the channel center, and by 40 dB at one- and one-half times the channel bandwidth away from channel center. At frequencies between one megahertz outside an unlicensed device's channel edge and one channel bandwidth from the center of the channel, the limits must be linearly interpolated between 20 dB and 28 dB suppression, and at frequencies between one and one- and one-half times an unlicensed device's channel bandwidth, the limits must be linearly interpolated between 28 dB and 40 dB suppression. Emissions removed from the channel center by more than one- and one-half times the channel bandwidth must be suppressed by at least 40 dB.

7.9.1 E.U.T. Operation

Operating Environment:

Temperature: 21.8 °C

Humidity: 57.4 % RH

Atmospheric Pressure: 1000 mbar

7.9.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	00	TX mode (U-NII-5) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found data rate @ MCS0 is the worst case of IEEE 802.11ax 20/40/80/160, Only the data of worst case is recorded in the report.
Final test	01	TX mode (U-NII-6) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ MCS0 is the worst case of IEEE 802.11ax 20/40/80/160, Only the data of worst case is recorded in the report.
Final test	02	TX mode (U-NII-7) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ MCS0 is the worst case of IEEE 802.11ax 20/40/80/160, Only the data of worst case is recorded in the report.
Final test	03	TX mode (U-NII-8) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ MCS0 is the worst case of IEEE 802.11ax 20/40/80/160, Only the data of worst case is recorded in the report.

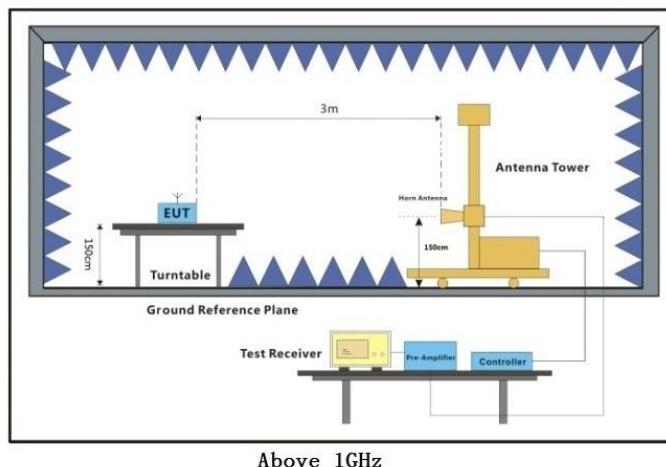
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7.9.3 Test Setup Diagram



Above 1GHz



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

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7.9.4 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.



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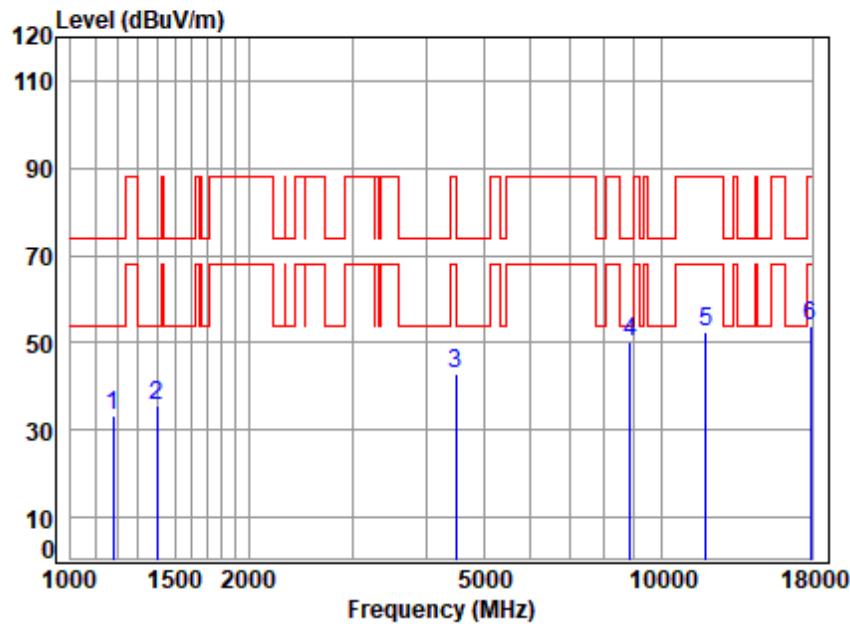
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Test Mode: 00; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:Low



Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 01769AT
 Mode : 5955 TX RSE
 Note : 6E WIFI 11AX20

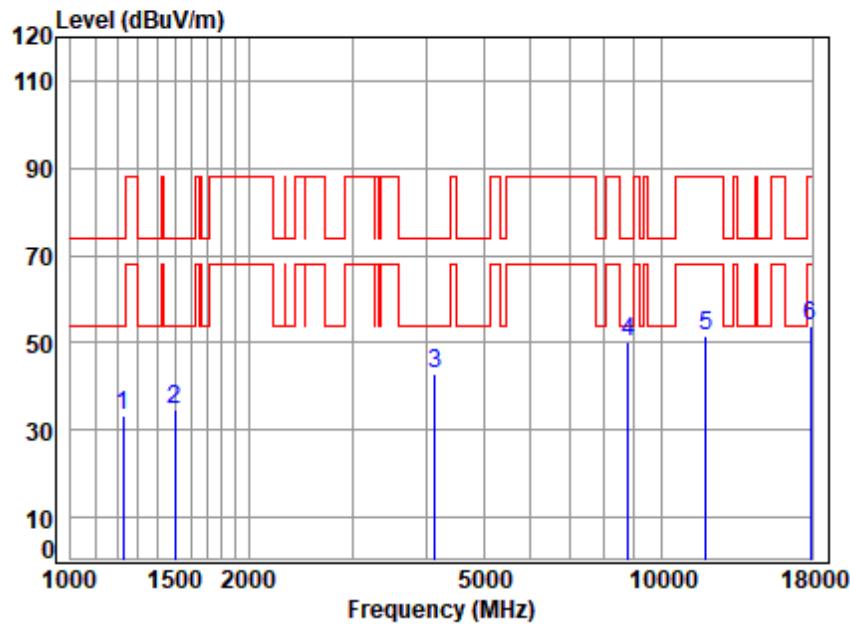
Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	Loss	Factor	Factor	Level			
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 1179.10	2.63	25.05	37.47	43.09	33.30	74.00	-40.70 peak
2 1398.34	2.93	25.51	36.80	44.07	35.71	74.00	-38.29 peak
3 4495.13	6.76	33.00	34.51	37.67	42.92	88.20	-45.28 peak
4 q 8866.06	10.12	36.84	35.08	38.24	50.12	74.00	-23.88 peak
5 11910.00	12.00	38.02	36.11	38.42	52.33	88.20	-35.87 peak
6 17865.00	14.57	44.00	36.41	31.49	53.65	88.20	-34.55 peak

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Test Mode: 00; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:Low



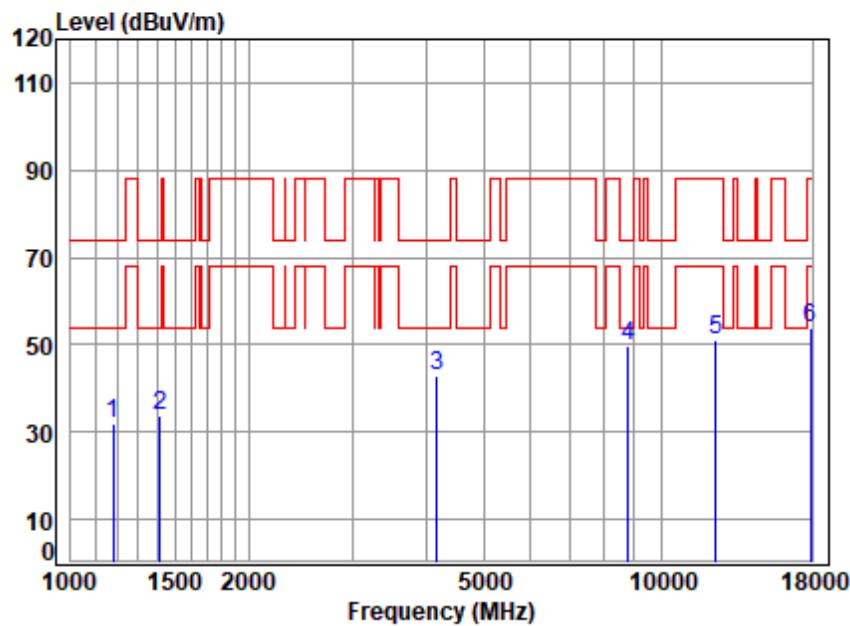
Site : chamber
 Condition: 3m VERTICAL
 Job No : 01769AT
 Mode : 5955 TX RSE
 Note : 6E WIFI 11AX20

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Factor	Level	Level	
1	1227.79	2.70	25.16	37.31	42.61	33.16	74.00 -40.84 peak
2	1498.78	3.06	25.70	36.53	42.59	34.82	74.00 -39.18 peak
3	4133.70	6.50	32.71	34.62	38.27	42.86	74.00 -31.14 peak
4 q	8789.52	10.05	36.75	35.12	38.66	50.34	74.00 -23.66 peak
5	11910.00	12.00	38.02	36.11	37.67	51.58	88.20 -36.62 peak
6	17865.00	14.57	44.00	36.41	31.73	53.89	88.20 -34.31 peak

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Test Mode: 00; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:middle



Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 01769AT
 Mode : 6175 TX RSE
 Note : 6E WIFI 11AX20

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Factor	Level	Level	
1	1179.10	2.63	25.05	37.47	41.75	31.96	74.00 -42.04 peak
2	1414.60	2.95	25.54	36.76	42.22	33.95	74.00 -40.05 peak
3	4169.70	6.53	32.74	34.61	38.22	42.88	74.00 -31.12 peak
4 q	8789.52	10.05	36.75	35.12	38.16	49.84	74.00 -24.16 peak
5	12350.00	12.38	38.07	36.15	36.94	51.24	88.20 -36.96 peak
6	17896.25	14.58	44.09	36.39	31.43	53.71	88.20 -34.49 peak

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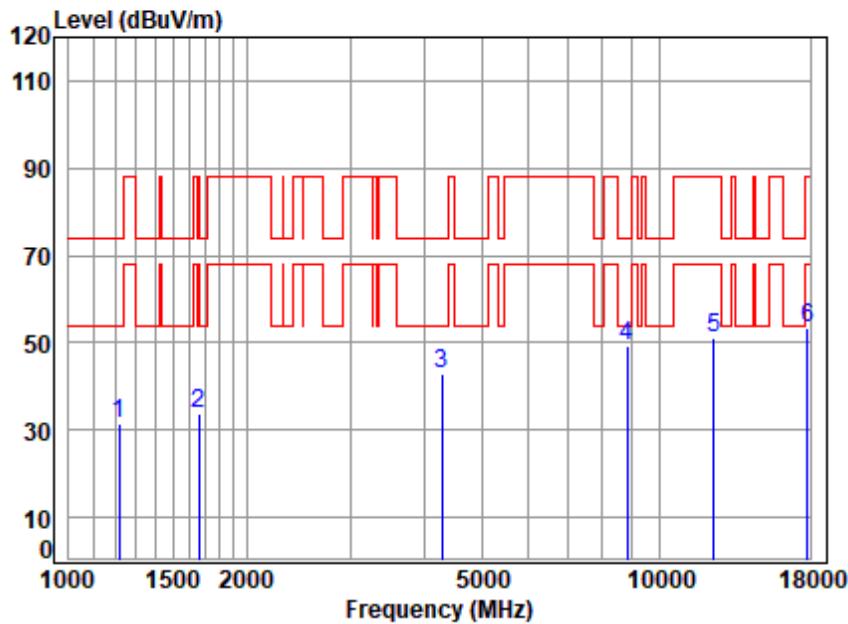
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Test Mode: 00; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:middle



Site : chamber
 Condition: 3m VERTICAL
 Job No : 01769AT
 Mode : 6175 TX RSE
 Note : 6E WIFI 11AX20

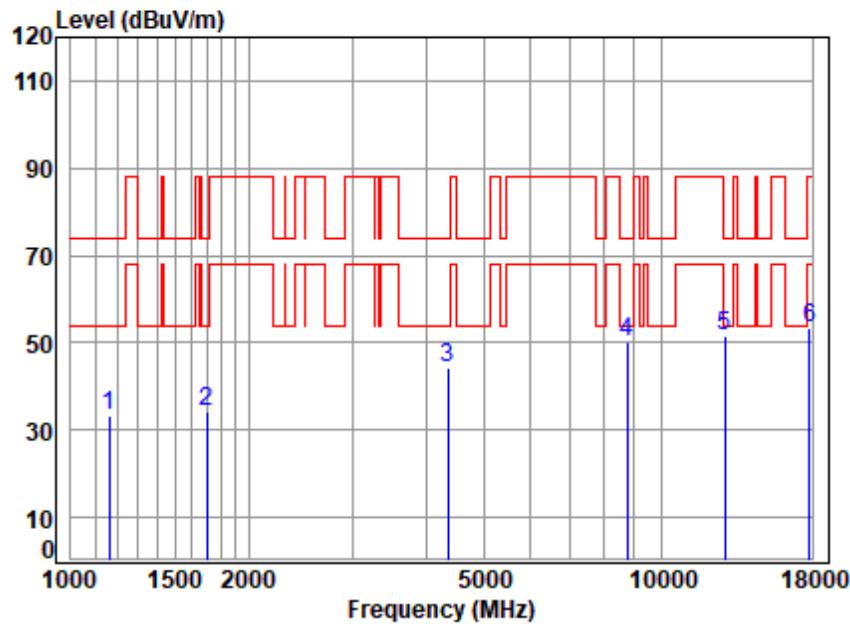
Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	Freq	Loss	Factor	Factor			
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 1217.19	2.68	25.13	37.35	41.20	31.66	74.00	-42.34 peak
2 1658.34	3.28	26.50	36.14	40.18	33.82	88.20	-54.38 peak
3 4279.59	6.61	32.83	34.58	37.95	42.81	74.00	-31.19 peak
4 q 8814.96	10.08	36.78	35.11	37.60	49.35	74.00	-24.65 peak
5 12350.00	12.38	38.07	36.15	36.81	51.11	88.20	-37.09 peak
6 17844.59	14.56	43.94	36.43	31.29	53.36	88.20	-34.84 peak

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Test Mode: 00; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:High



Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 01769AT
 Mode : 6415 TX RSE
 Note : 6E WIFI 11AX20

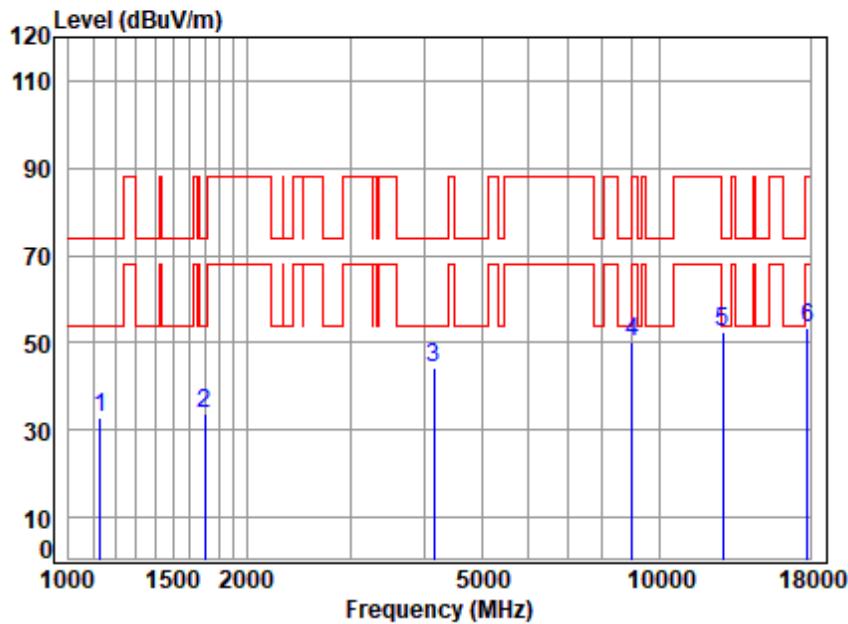
	Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
		Loss	Factor	Factor	Level			
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1162.182	2.61	25.01	37.53	43.09	33.18	74.00	-40.82 peak
2	1697.129	3.33	26.69	36.04	40.46	34.44	74.00	-39.56 peak
3	4354.454	6.66	32.89	34.55	39.32	44.32	74.00	-29.68 peak
4	8764.146	10.03	36.72	35.14	38.43	50.04	74.00	-23.96 peak
5	q12830.000	12.74	38.37	36.19	36.85	51.77	74.00	-22.23 peak
6	17844.590	14.56	43.94	36.43	31.50	53.57	88.20	-34.63 peak

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Test Mode: 00; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:High



Site : chamber
 Condition: 3m VERTICAL
 Job No : 01769AT
 Mode : 6415 TX RSE
 Note : 6E WIFI 11AX20

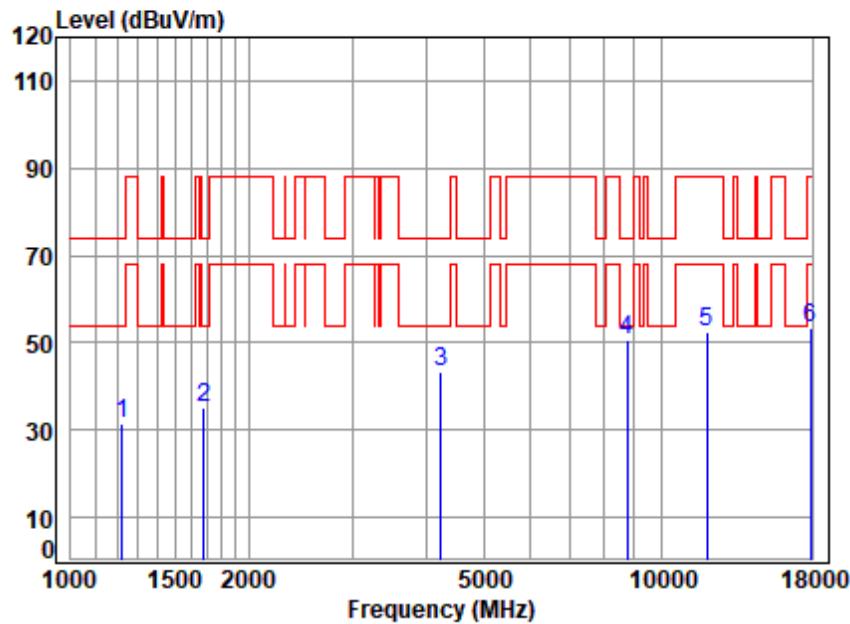
	Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
		Loss	Factor	Factor	Level	Level	Line	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1129.072	2.56	24.93	37.64	43.15	33.00	74.00	-41.00 peak
2	1697.129	3.33	26.69	36.04	39.81	33.79	74.00	-40.21 peak
3	4157.664	6.52	32.73	34.61	39.40	44.04	74.00	-29.96 peak
4	8995.123	10.25	36.99	35.00	38.04	50.28	74.00	-23.72 peak
5	12830.000	12.74	38.37	36.19	37.56	52.48	74.00	-21.52 peak
6	17793.090	14.54	43.78	36.46	31.50	53.36	88.20	-34.84 peak

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Test Mode: 00; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:Low



Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 01769AT
 Mode : 5965 TX RSE
 Note : 6E WIFI 11AX40

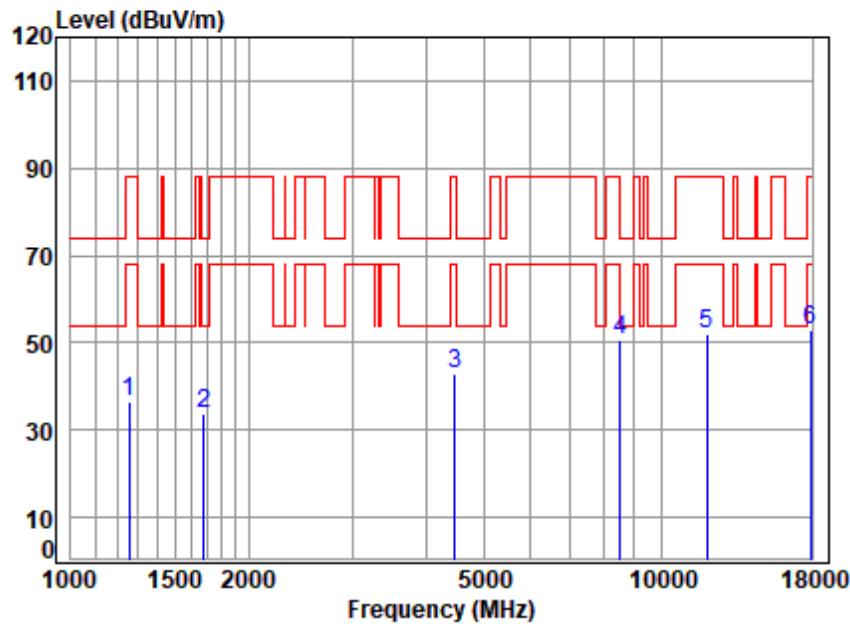
Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	Loss	Factor	Factor	Level			
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 1220.71	2.69	25.14	37.34	41.17	31.66	74.00	-42.34 peak
2 1677.62	3.30	26.59	36.09	41.21	35.01	74.00	-38.99 peak
3 4230.40	6.57	32.79	34.59	38.62	43.39	74.00	-30.61 peak
4 q 8764.15	10.03	36.72	35.14	39.05	50.66	74.00	-23.34 peak
5 11930.00	12.03	38.01	36.11	38.42	52.35	88.20	-35.85 peak
6 17895.00	14.58	44.09	36.39	31.28	53.56	88.20	-34.64 peak

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Test Mode: 00; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:Low



Site : chamber
 Condition: 3m VERTICAL
 Job No : 01769AT
 Mode : 5965 TX RSE
 Note : 6E WIFI 11AX40

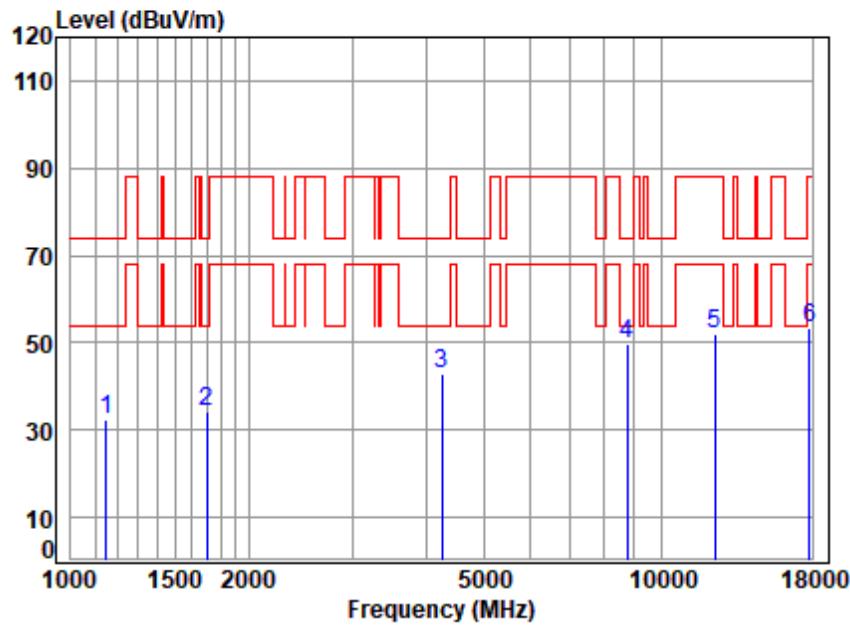
Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	Loss	Factor	Factor	Level			
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 1256.51	2.74	25.22	37.22	45.57	36.31	88.20	-51.89 peak
2 1677.62	3.30	26.59	36.09	40.18	33.98	74.00	-40.02 peak
3 4469.21	6.74	32.98	34.52	37.77	42.97	88.20	-45.23 peak
4 q 8514.46	9.79	36.42	35.29	39.78	50.70	74.00	-23.30 peak
5 11930.00	12.03	38.01	36.11	37.91	51.84	88.20	-36.36 peak
6 17895.00	14.58	44.09	36.39	30.81	53.09	88.20	-35.11 peak

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Test Mode: 00; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:middle



Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 01769AT
 Mode : 6165 TX RSE
 Note : 6E WIFI 11AX40

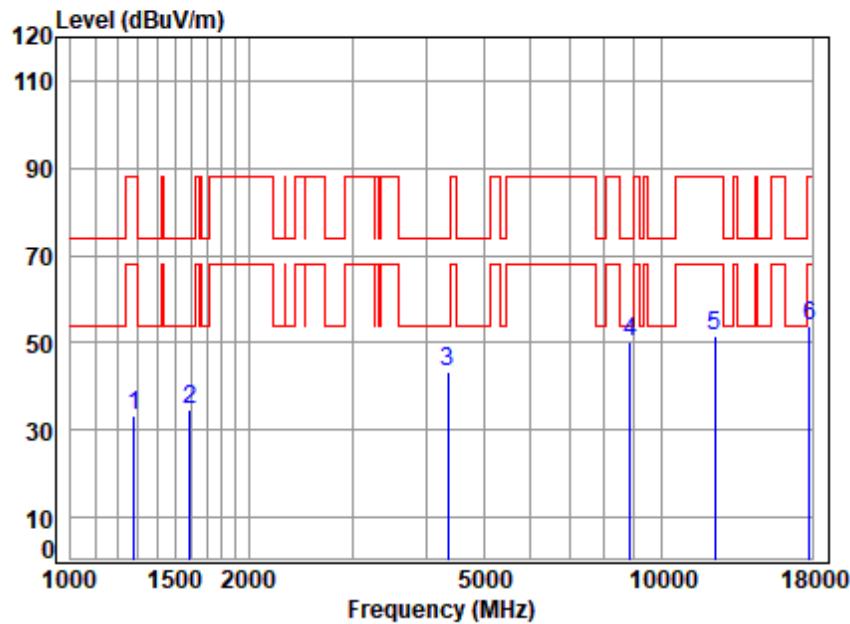
Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	Loss	Factor	Factor	Level			
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 1148.82	2.59	24.98	37.58	42.59	32.58	74.00	-41.42 peak
2 1697.13	3.33	26.69	36.04	40.45	34.43	74.00	-39.57 peak
3 4254.92	6.59	32.81	34.58	38.23	43.05	74.00	-30.95 peak
4 q 8738.85	10.00	36.69	35.15	38.06	49.60	74.00	-24.40 peak
5 12330.00	12.36	38.07	36.15	37.73	52.01	88.20	-36.19 peak
6 17793.09	14.54	43.78	36.46	31.62	53.48	88.20	-34.72 peak

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Test Mode: 00; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:middle



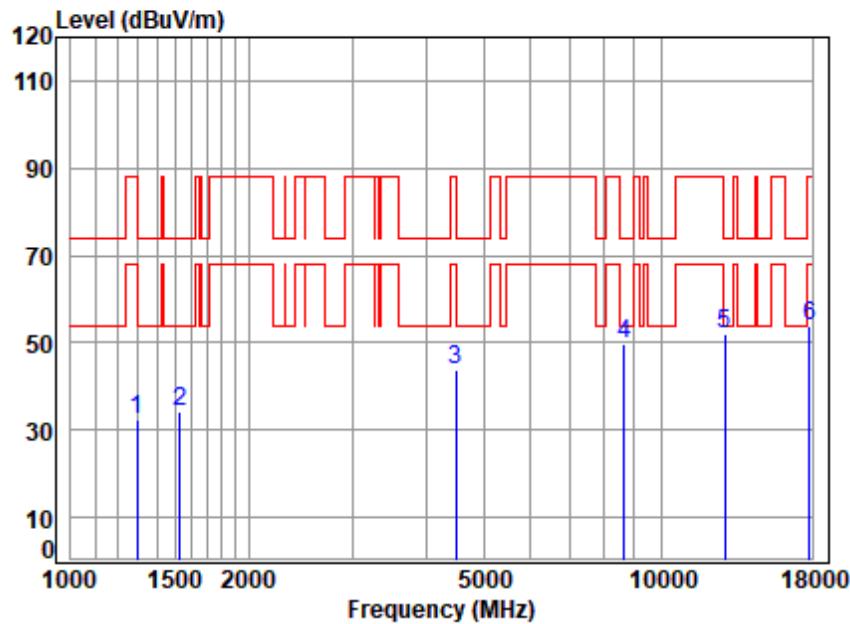
Site : chamber
 Condition: 3m VERTICAL
 Job No : 01769AT
 Mode : 6165 TX RSE
 Note : 6E WIFI 11AX40

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Factor			
1	1278.49	2.77	25.27	37.16	42.58	33.46	88.20 -54.74 peak
2	1592.57	3.19	26.18	36.29	41.38	34.46	74.00 -39.54 peak
3	4354.45	6.66	32.89	34.55	38.21	43.21	74.00 -30.79 peak
4 q	8840.47	10.10	36.81	35.09	38.41	50.23	74.00 -23.77 peak
5	12330.00	12.36	38.07	36.15	37.15	51.43	88.20 -36.77 peak
6	17793.09	14.54	43.78	36.46	31.82	53.68	88.20 -34.52 peak

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Test Mode: 00; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:High



Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 01769AT
 Mode : 6405 TX RSE
 Note : 6E WIFI 11AX40

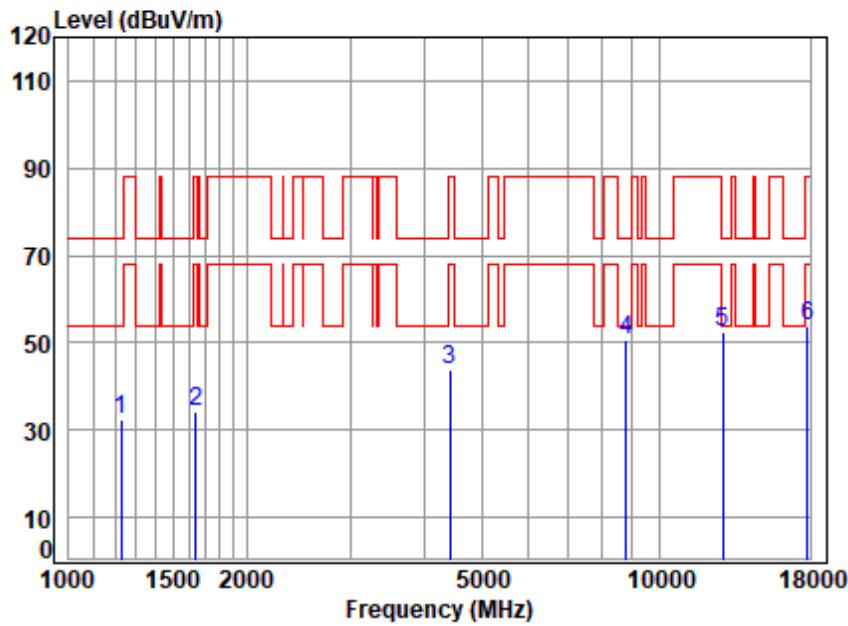
	Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
		Loss	Factor	Factor	Level	Level	Line	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1297.103	2.79	25.31	37.10	41.32	32.32	88.20	-55.88 peak
2	1529.414	3.10	25.86	36.45	41.85	34.36	74.00	-39.64 peak
3	4482.150	6.75	32.99	34.52	38.69	43.91	88.20	-44.29 peak
4	8638.399	9.91	36.57	35.21	38.51	49.78	74.00	-24.22 peak
5	127810.000	12.73	38.35	36.19	37.33	52.22	74.00	-21.78 peak
6	17793.090	14.54	43.78	36.46	31.86	53.72	88.20	-34.48 peak

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Test Mode: 00; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:High



Site : chamber
 Condition: 3m VERTICAL
 Job No : 01769AT
 Mode : 6405 TX RSE
 Note : 6E WIFI 11AX40

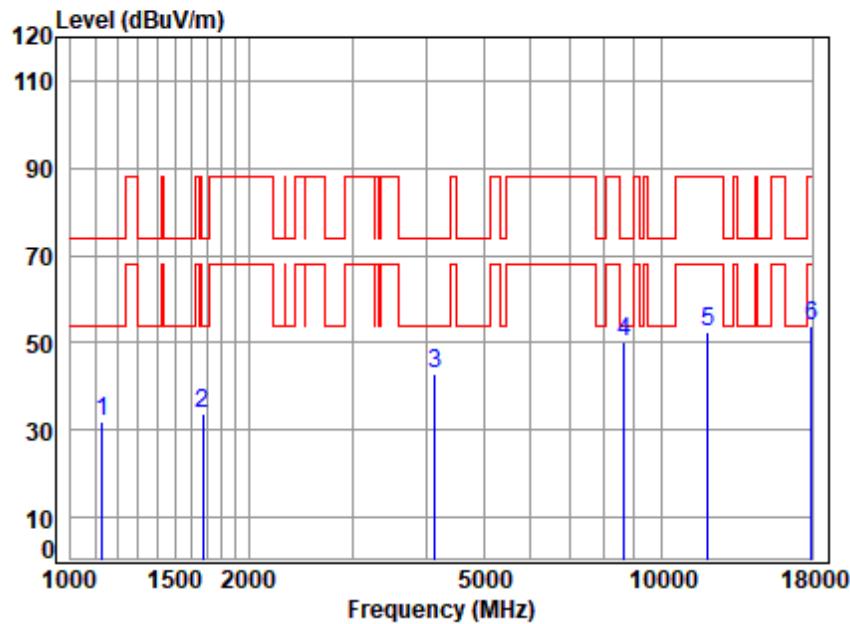
	Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
		Loss	Factor	Factor	Level	Level	Line	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1227.791	2.70	25.16	37.31	41.64	32.19	74.00	-41.81 peak
2	1644.019	3.26	26.43	36.17	40.57	34.09	88.20	-54.11 peak
3	4417.841	6.71	32.94	34.54	38.81	43.92	88.20	-44.28 peak
4	8789.516	10.05	36.75	35.12	38.94	50.62	74.00	-23.38 peak
5	q12810.000	12.73	38.35	36.19	37.72	52.61	74.00	-21.39 peak
6	17793.090	14.54	43.78	36.46	31.78	53.64	88.20	-34.56 peak

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Test Mode: 00; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:80MHz; Channel:Low



Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 01769AT
 Mode : 5985 TX RSE
 Note : 6E WIFI 11AX80

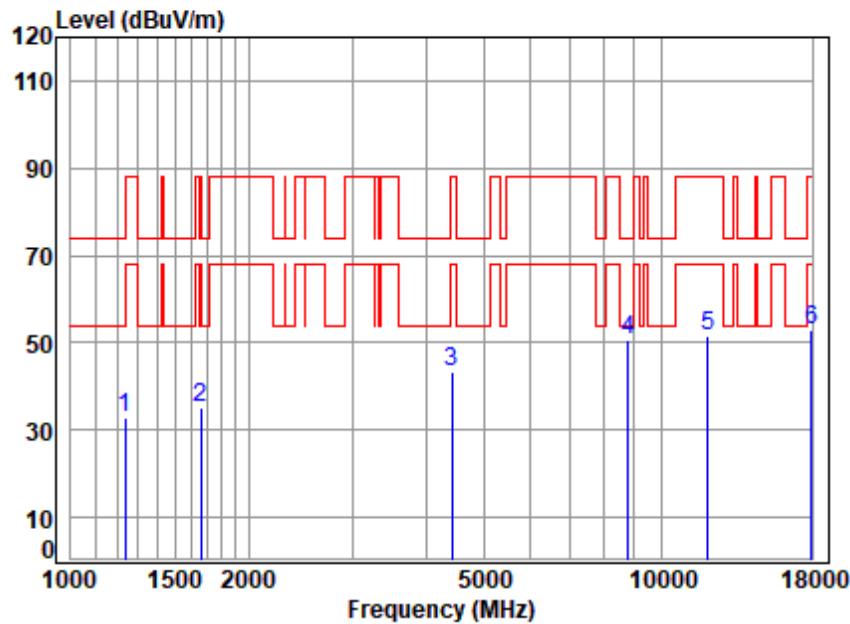
Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	Loss	Factor	Factor	Level			
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 1132.34	2.57	24.94	37.63	42.06	31.94	74.00	-42.06 peak
2 1672.78	3.30	26.57	36.10	39.87	33.64	74.00	-40.36 peak
3 4133.70	6.50	32.71	34.62	38.24	42.83	74.00	-31.17 peak
4 q 8663.40	9.93	36.60	35.20	39.06	50.39	74.00	-23.61 peak
5 11970.00	12.07	38.01	36.12	38.32	52.28	88.20	-35.92 peak
6 17955.00	14.60	44.27	36.36	31.34	53.85	88.20	-34.35 peak

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Test Mode: 00; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:80MHz; Channel:Low



Site : chamber
Condition: 3m VERTICAL
Job No : 01769AT
Mode : 5985 TX RSE
Note : 6E WIFI 11AX80

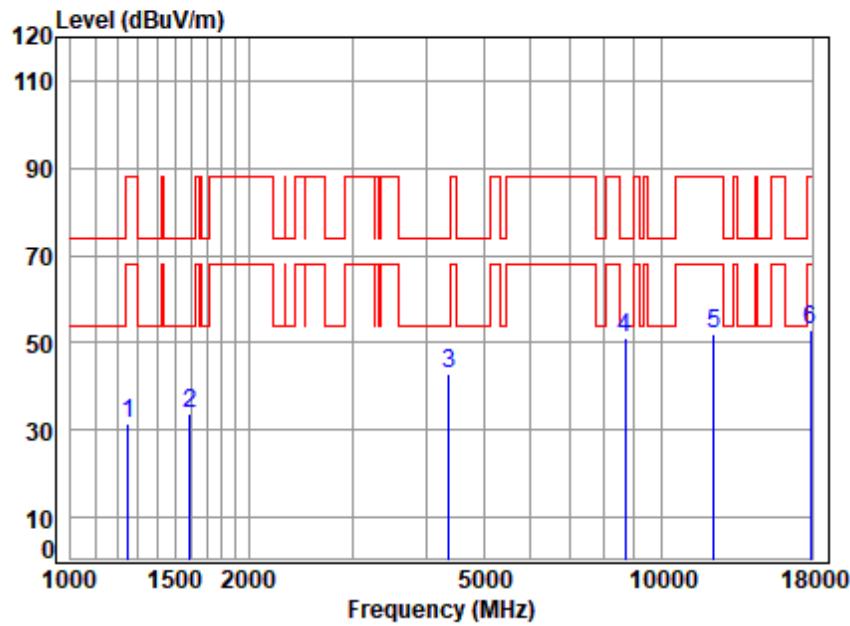
Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	Loss	Factor	Factor	Level			
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 1238.48	2.71	25.18	37.28	42.20	32.81	74.00	-41.19 peak
2 1658.34	3.28	26.50	36.14	41.35	34.99	88.20	-53.21 peak
3 4417.84	6.71	32.94	34.54	38.05	43.16	88.20	-45.04 peak
4 q 8789.52	10.05	36.75	35.12	39.09	50.77	74.00	-23.23 peak
5 11970.00	12.07	38.01	36.12	37.48	51.44	88.20	-36.76 peak
6 17955.00	14.60	44.27	36.36	30.51	53.02	88.20	-35.18 peak

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Test Mode: 00; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:80MHz; Channel:middle



Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 01769AT
 Mode : 6145 TX RSE
 Note : 6E WIFI 11AX80

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Factor	Level	Level	
1	1249.27	2.73	25.20	37.25	41.00	31.68	88.20 -56.52 peak
2	1592.57	3.19	26.18	36.29	40.70	33.78	74.00 -40.22 peak
3	4367.06	6.67	32.90	34.55	37.77	42.79	74.00 -31.21 peak
4 q	8688.48	9.96	36.63	35.18	39.66	51.07	74.00 -22.93 peak
5	12290.00	12.33	38.06	36.14	37.54	51.79	88.20 -36.41 peak
6	17896.25	14.58	44.09	36.39	30.84	53.12	88.20 -35.08 peak

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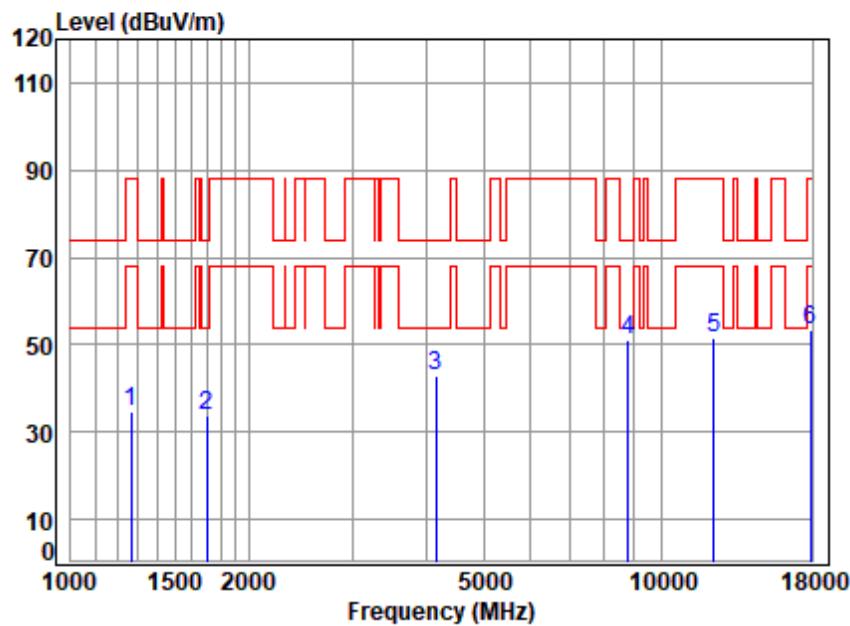
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Test Mode: 00; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:80MHz; Channel:middle



Site : chamber
 Condition: 3m VERTICAL
 Job No : 01769AT
 Mode : 6145 TX RSE
 Note : 6E WIFI 11AX80

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Factor	Level	Level	
1	1263.80	2.75	25.24	37.20	43.77	34.56	88.20 -53.64 peak
2	1697.13	3.33	26.69	36.04	39.85	33.83	74.00 -40.17 peak
3	4157.66	6.52	32.73	34.61	38.45	43.09	74.00 -30.91 peak
4 q	8789.52	10.05	36.75	35.12	39.34	51.02	74.00 -22.98 peak
5	12290.00	12.33	38.06	36.14	37.50	51.75	88.20 -36.45 peak
6	17896.25	14.58	44.09	36.39	30.91	53.19	88.20 -35.01 peak

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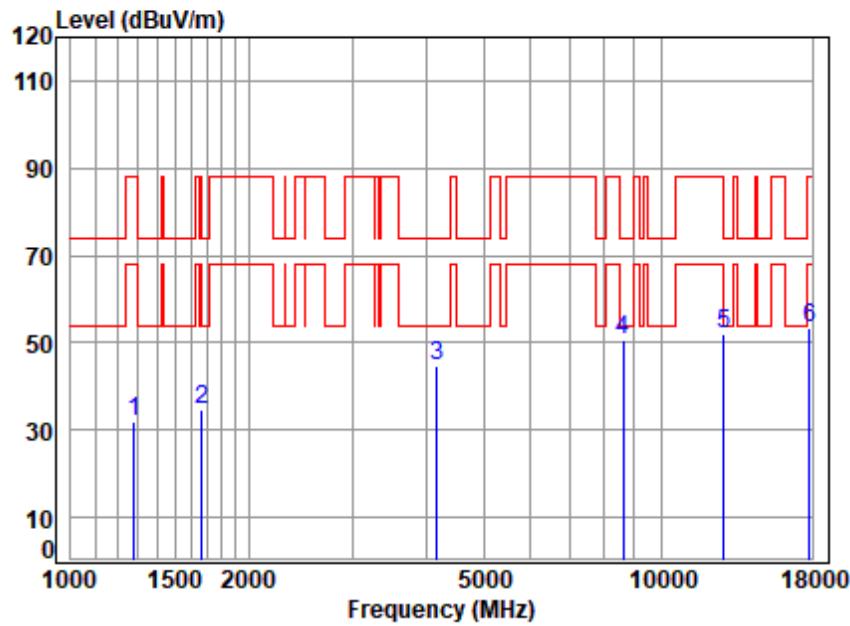
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SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch Inspection & Testing Services Laboratory

Test Mode: 00; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:80MHz; Channel:High



Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 01769AT
 Mode : 6385 TX RSE
 Note : 6E WIFI 11AX80

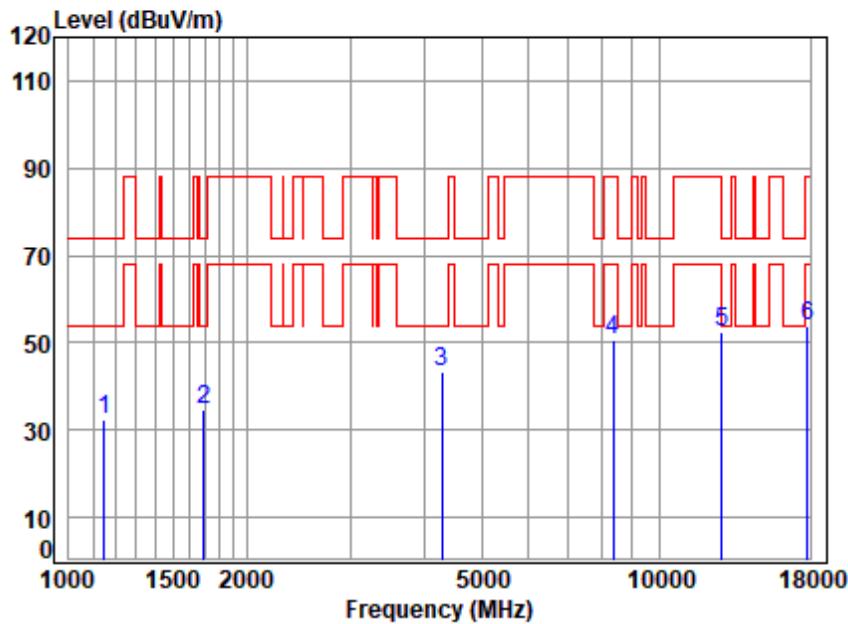
	Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
		Loss	Factor	Factor	Level	Level	Line	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1282.193	2.77	25.27	37.14	41.20	32.10	88.20	-56.10 peak
2	1667.951	3.29	26.55	36.11	40.90	34.63	74.00	-39.37 peak
3	4169.698	6.53	32.74	34.61	39.84	44.50	74.00	-29.50 peak
4	8613.468	9.89	36.54	35.23	39.35	50.55	74.00	-23.45 peak
5	q12770.000	12.70	38.32	36.18	37.24	52.08	74.00	-21.92 peak
6	17844.590	14.56	43.94	36.43	31.50	53.57	88.20	-34.63 peak

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Test Mode: 00; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:80MHz; Channel:High



Site : chamber
 Condition: 3m VERTICAL
 Job No : 01769AT
 Mode : 6385 TX RSE
 Note : 6E WIFI 11AX80

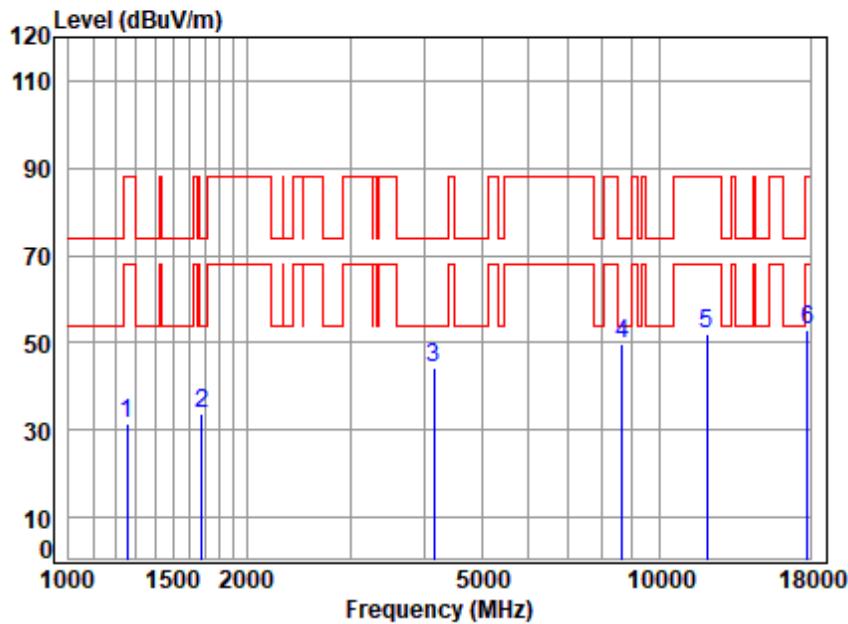
	Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
		Loss	Factor	Factor	Level	Level	Line	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1148.823	2.59	24.98	37.58	42.62	32.61	74.00	-41.39 peak
2	1692.231	3.32	26.66	36.06	40.82	34.74	74.00	-39.26 peak
3	4291.977	6.62	32.84	34.57	38.53	43.42	74.00	-30.58 peak
4	8368.069	9.66	36.32	35.38	40.05	50.65	88.20	-37.55 peak
5	q12770.000	12.70	38.32	36.18	37.74	52.58	74.00	-21.42 peak
6	17844.590	14.56	43.94	36.43	31.59	53.66	88.20	-34.54 peak

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Test Mode: 00; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:160MHz; Channel:Low



Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 01769AT
 Mode : 6025 TX RSE
 Note : 6E WIFI 11AX160

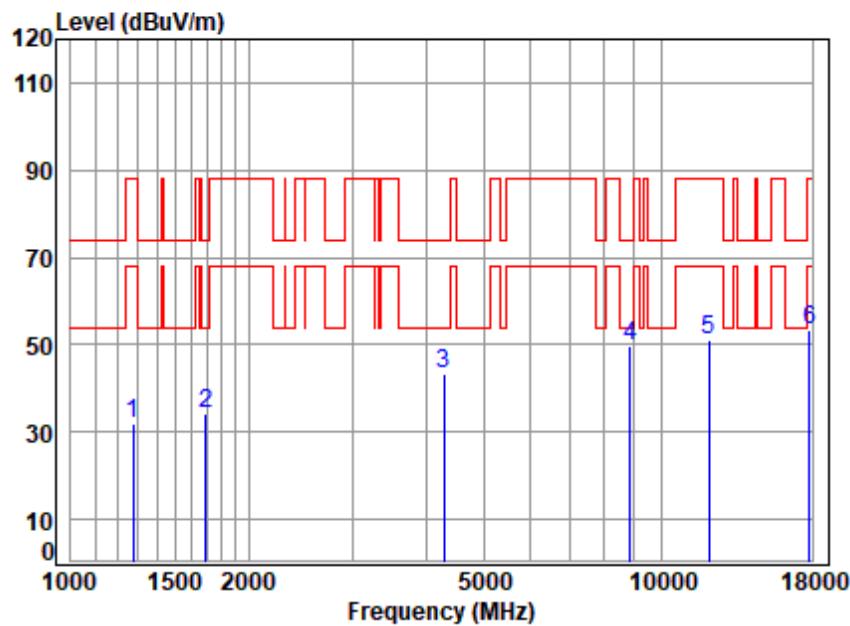
Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Factor	Level	Level	
1	1256.51	2.74	25.22	37.22	40.82	31.56	88.20 -56.64 peak
2	1682.48	3.31	26.62	36.08	40.14	33.99	74.00 -40.01 peak
3	4145.66	6.51	32.72	34.62	39.76	44.37	74.00 -29.63 peak
4 q	8638.40	9.91	36.57	35.21	38.26	49.53	74.00 -24.47 peak
5	12050.00	12.15	38.01	36.12	38.07	52.11	88.20 -36.09 peak
6	17793.09	14.54	43.78	36.46	31.01	52.87	88.20 -35.33 peak

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Test Mode: 00; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:160MHz; Channel:Low



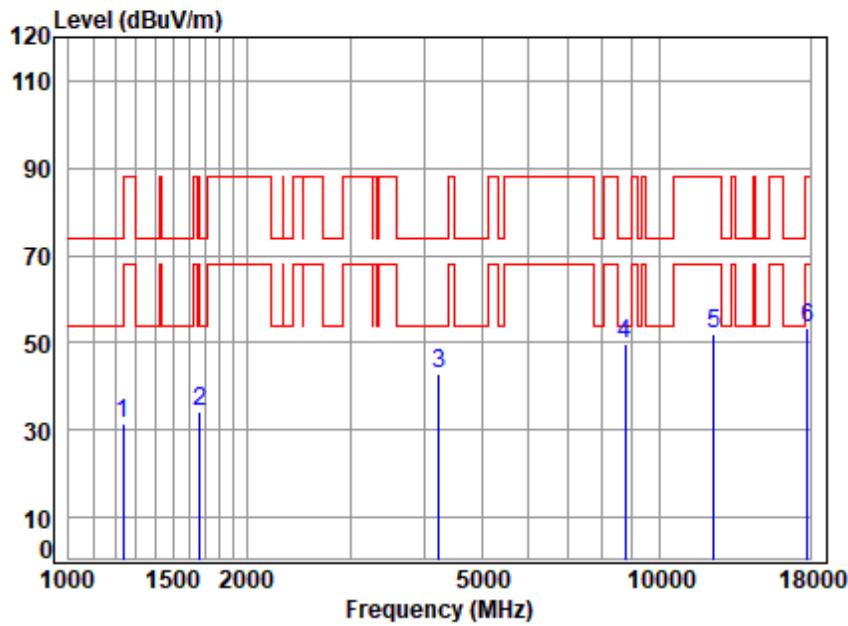
Site : chamber
 Condition: 3m VERTICAL
 Job No : 01769AT
 Mode : 6025 TX RSE
 Note : 6E WIFI 11AX160

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Factor	Level	Level	
1	1274.80	2.76	25.26	37.17	41.17	32.02	88.20 -56.18 peak
2	1692.23	3.32	26.66	36.06	40.12	34.04	74.00 -39.96 peak
3	4291.98	6.62	32.84	34.57	38.44	43.33	74.00 -30.67 peak
4 q	8866.06	10.12	36.84	35.08	37.66	49.54	74.00 -24.46 peak
5	12050.00	12.15	38.01	36.12	37.24	51.28	88.20 -36.92 peak
6	17844.59	14.56	43.94	36.43	31.42	53.49	88.20 -34.71 peak

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Test Mode: 00; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:160MHz; Channel:middle



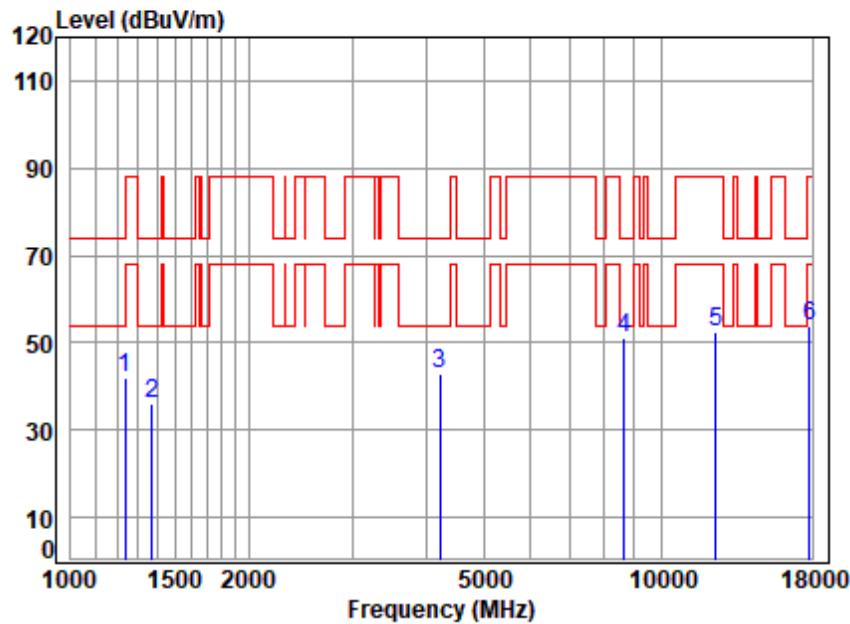
Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 01769AT
 Mode : 6185 TX RSE
 Note : 6E WIFI 11AX160

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Factor	Level	Level	
1	1234.91	2.71	25.17	37.29	40.85	31.44	74.00 -42.56 peak
2	1667.95	3.29	26.55	36.11	40.55	34.28	74.00 -39.72 peak
3	4230.40	6.57	32.79	34.59	38.20	42.97	74.00 -31.03 peak
4 q	8764.15	10.03	36.72	35.14	38.17	49.78	74.00 -24.22 peak
5	12370.00	12.39	38.07	36.15	37.49	51.80	88.20 -36.40 peak
6	17844.59	14.56	43.94	36.43	31.33	53.40	88.20 -34.80 peak

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Test Mode: 00; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:160MHz; Channel:middle



Site : chamber
 Condition: 3m VERTICAL
 Job No : 01769AT
 Mode : 6185 TX RSE
 Note : 6E WIFI 11AX160

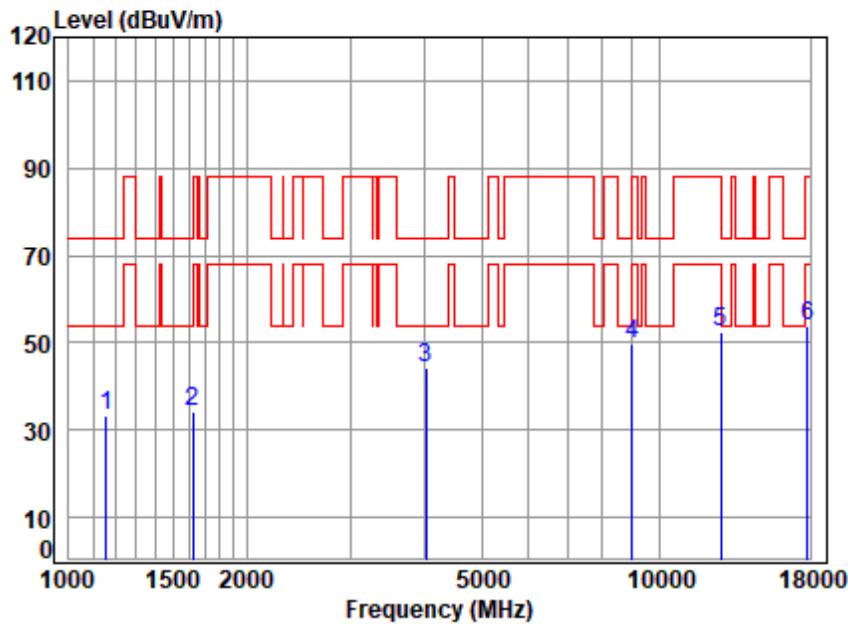
Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Factor	Level	Level	
1	1238.48	2.71	25.18	37.28	51.39	42.00	74.00 -32.00 peak
2	1370.33	2.89	25.45	36.88	44.71	36.17	74.00 -37.83 peak
3	4218.19	6.56	32.78	34.59	38.22	42.97	74.00 -31.03 peak
4 q	8663.40	9.93	36.60	35.20	39.90	51.23	74.00 -22.77 peak
5	12370.00	12.39	38.07	36.15	38.01	52.32	88.20 -35.88 peak
6	17844.59	14.56	43.94	36.43	31.81	53.88	88.20 -34.32 peak

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Test Mode: 00; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:160MHz; Channel:High



Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 01769AT
 Mode : 6345 TX RSE
 Note : 6E WIFI 11AX160

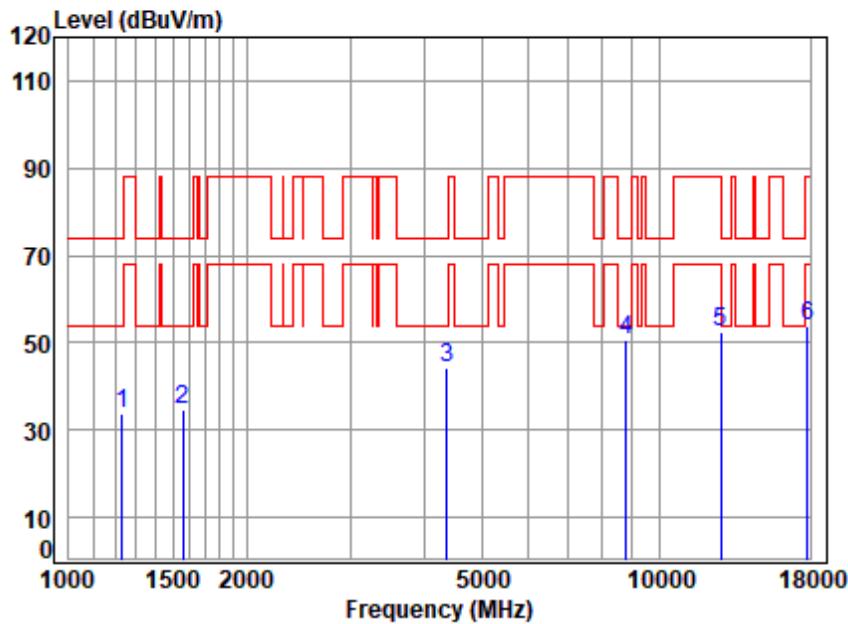
	Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
		Freq	Loss	Factor	Factor	Level	Level	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1158.828	2.60	25.00	37.54	43.41	33.47	74.00	-40.53 peak
2	1620.431	3.23	26.32	36.23	40.89	34.21	74.00	-39.79 peak
3	4027.554	6.43	32.62	34.65	39.69	44.09	74.00	-29.91 peak
4	8995.123	10.25	36.99	35.00	37.42	49.66	74.00	-24.34 peak
5	12690.000	12.63	38.25	36.18	37.98	52.68	88.20	-35.52 peak
6	17844.590	14.56	43.94	36.43	31.72	53.79	88.20	-34.41 peak

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Test Mode: 00; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:160MHz; Channel:High



Site : chamber
 Condition: 3m VERTICAL
 Job No : 01769AT
 Mode : 6345 TX RSE
 Note : 6E WIFI 11AX160

	Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
		Loss	Factor	Factor	Level	Level	Line	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1231.345	2.70	25.16	37.30	43.11	33.67	74.00	-40.33 peak
2	1560.673	3.15	26.02	36.37	41.81	34.61	74.00	-39.39 peak
3	4367.058	6.67	32.90	34.55	39.24	44.26	74.00	-29.74 peak
4	8789.516	10.05	36.75	35.12	39.04	50.72	74.00	-23.28 peak
5	12690.000	12.63	38.25	36.18	37.86	52.56	88.20	-35.64 peak
6	17844.590	14.56	43.94	36.43	31.73	53.80	88.20	-34.40 peak



SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch No. 10, Nanshan Science & Technology Park, Shenzhen, China

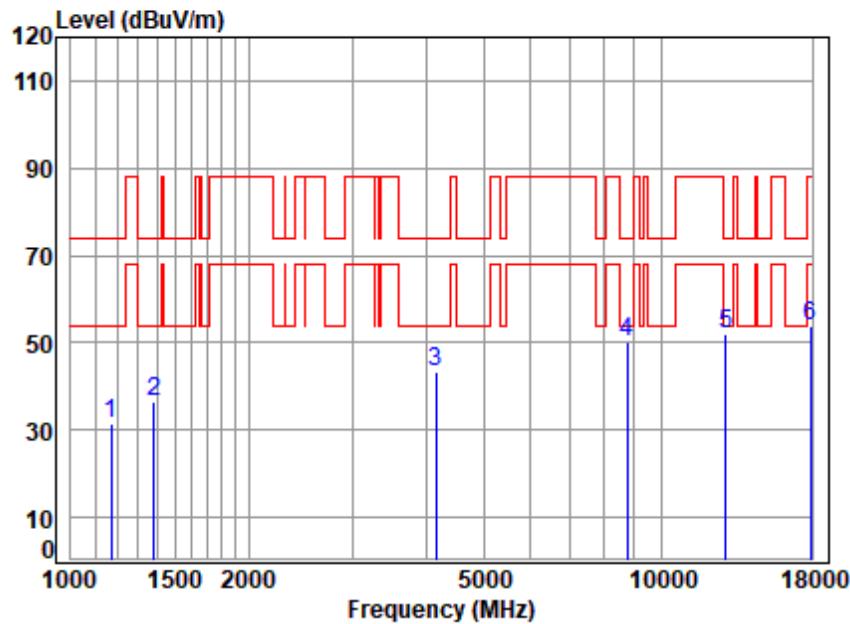
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中国·广东·深圳市南山区科技园中区M-10栋1号厂房 邮编:518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

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



Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 01769AT
 Mode : 6435 TX RSE
 Note : 6E WIFI 11AX20

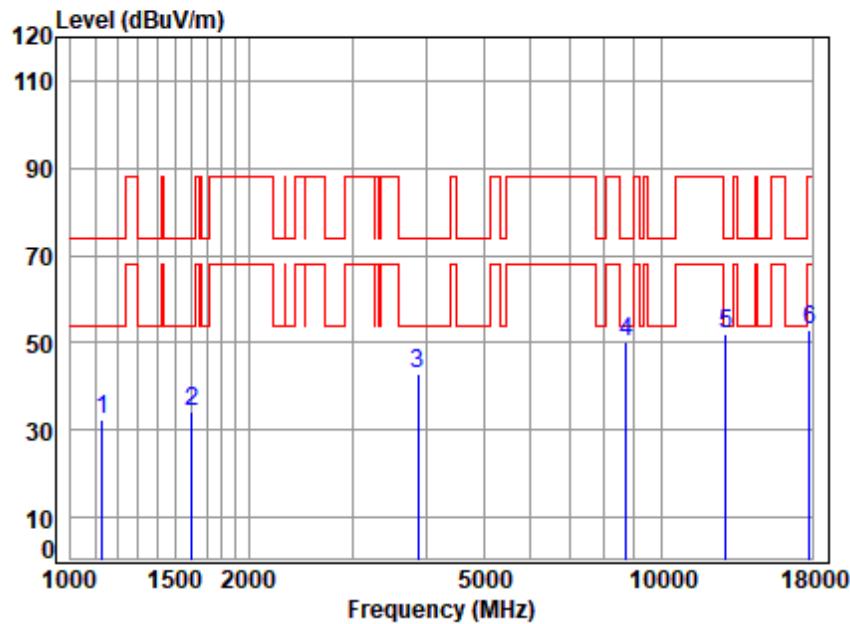
Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Factor	Level	Level	
1	1168.92	2.62	25.02	37.51	41.46	31.59	74.00 -42.41 peak
2	1386.26	2.91	25.49	36.84	45.12	36.68	74.00 -37.32 peak
3	4157.66	6.52	32.73	34.61	38.80	43.44	74.00 -30.56 peak
4	8764.15	10.03	36.72	35.14	38.47	50.08	74.00 -23.92 peak
5	12870.00	12.77	38.40	36.19	37.20	52.18	74.00 -21.82 peak
6	17896.25	14.58	44.09	36.39	31.40	53.68	88.20 -34.52 peak

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



Site : chamber
 Condition: 3m VERTICAL
 Job No : 01769AT
 Mode : 6435 TX RSE
 Note : 6E WIFI 11AX20

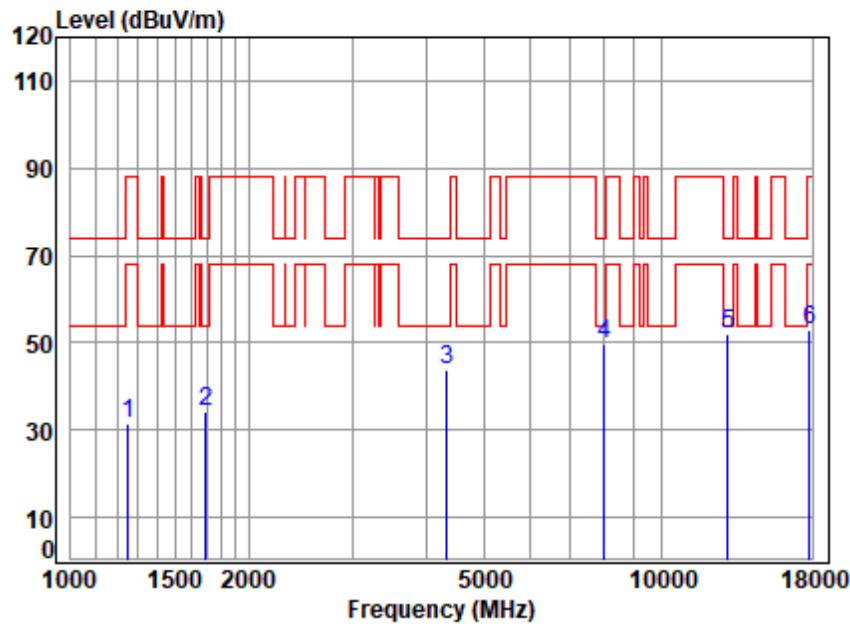
Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	Loss	Factor	Factor	Level			
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 1132.34	2.57	24.94	37.63	42.52	32.40	74.00	-41.60 peak
2 1606.44	3.21	26.25	36.26	40.87	34.07	74.00	-39.93 peak
3 3879.03	6.22	32.39	34.69	38.92	42.84	74.00	-31.16 peak
4 8713.63	9.98	36.66	35.17	38.73	50.20	74.00	-23.80 peak
5 q 12870.00	12.77	38.40	36.19	36.99	51.97	74.00	-22.03 peak
6 17793.09	14.54	43.78	36.46	31.21	53.07	88.20	-35.13 peak

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



Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 01769AT
 Mode : 6475 TX RSE
 Note : 6E WIFI 11AX20

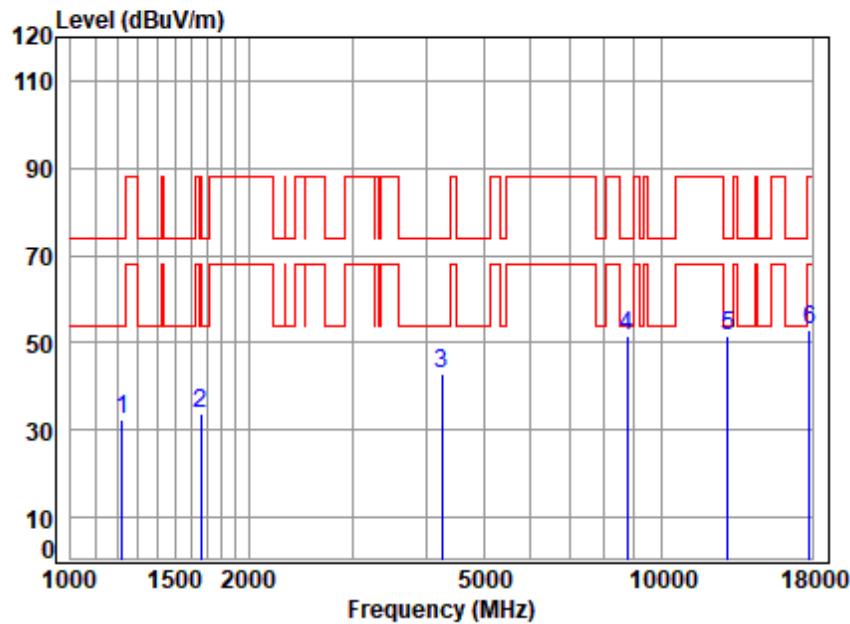
Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	Loss	Factor	Factor	Level			
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 1252.89	2.73	25.21	37.24	40.76	31.46	88.20	-56.74 peak
2 1692.23	3.32	26.66	36.06	40.44	34.36	74.00	-39.64 peak
3 4341.89	6.65	32.88	34.56	38.73	43.70	74.00	-30.30 peak
4 8013.02	9.32	36.11	35.60	39.78	49.61	74.00	-24.39 peak
5 q 12950.00	12.83	38.46	36.20	37.00	52.09	74.00	-21.91 peak
6 17844.59	14.56	43.94	36.43	31.01	53.08	88.20	-35.12 peak

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



Site : chamber
 Condition: 3m VERTICAL
 Job No : 01769AT
 Mode : 6475 TX RSE
 Note : 6E WIFI 11AX20

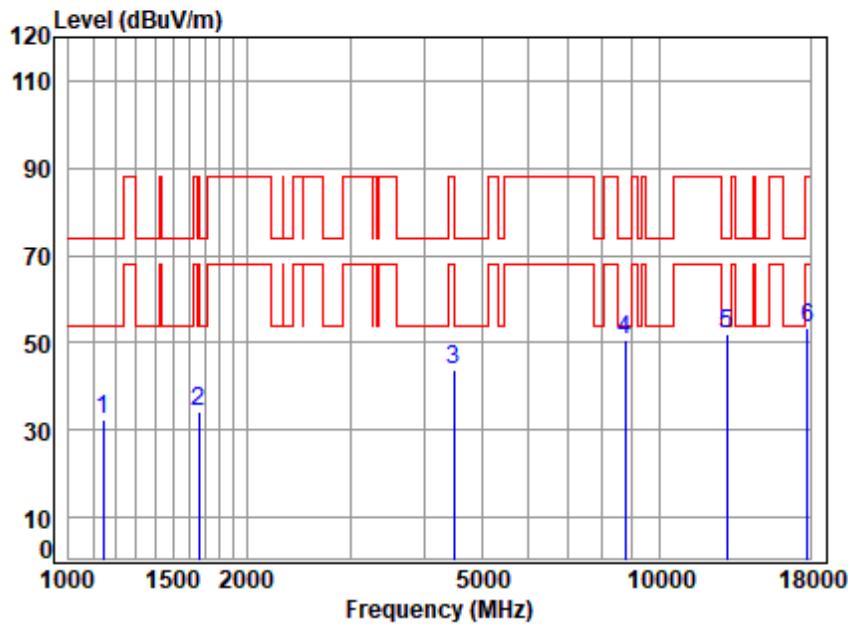
Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	Freq	Loss	Factor	Factor			
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 1220.71	2.69	25.14	37.34	41.89	32.38	74.00	-41.62 peak
2 1663.14	3.29	26.53	36.12	40.11	33.81	74.00	-40.19 peak
3 4254.92	6.59	32.81	34.58	37.88	42.70	74.00	-31.30 peak
4 8738.85	10.00	36.69	35.15	39.81	51.35	74.00	-22.65 peak
5 q 12950.00	12.83	38.46	36.20	36.63	51.72	74.00	-22.28 peak
6 17793.09	14.54	43.78	36.46	31.15	53.01	88.20	-35.19 peak

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



Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 01769AT
 Mode : 6515 TX RSE
 Note : 6E WIFI 11AX20

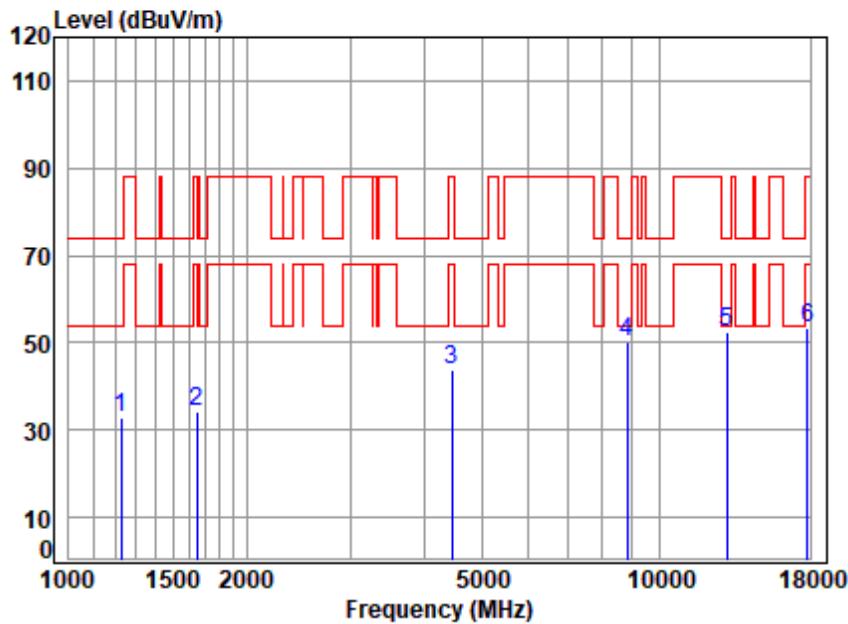
	Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
		MHz	Loss	Factor	Factor	Level	Level	
1	1145.507	2.59	24.97	37.59	42.25	32.22	74.00	-41.78 peak
2	1663.137	3.29	26.53	36.12	40.33	34.03	74.00	-39.97 peak
3	4495.125	6.76	33.00	34.51	38.69	43.94	88.20	-44.26 peak
4	8764.146	10.03	36.72	35.14	38.92	50.53	74.00	-23.47 peak
5	q13030.000	12.87	38.52	36.20	36.86	52.05	74.00	-21.95 peak
6	17844.590	14.56	43.94	36.43	31.30	53.37	88.20	-34.83 peak

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



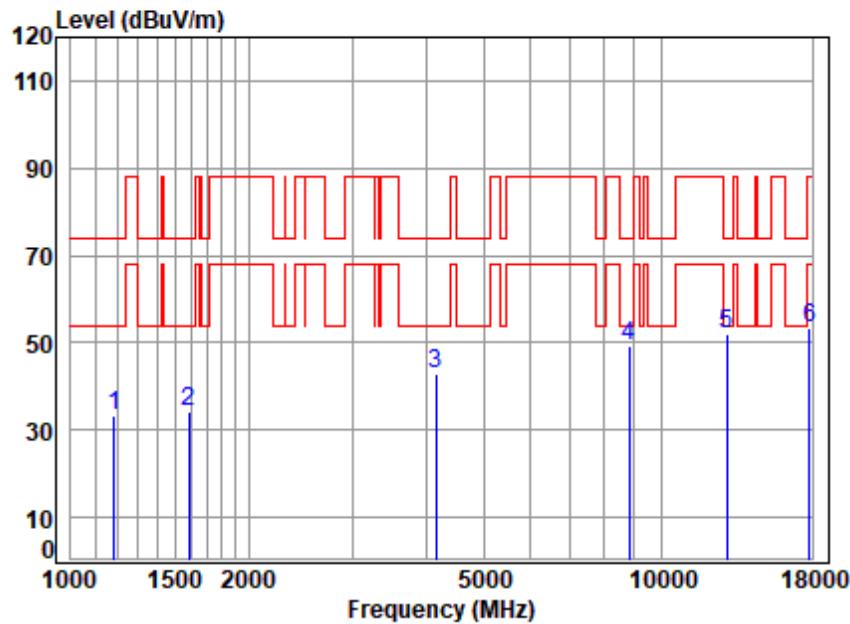
Site : chamber
 Condition: 3m VERTICAL
 Job No : 01769AT
 Mode : 6515 TX RSE
 Note : 6E WIFI 11AX20

	Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
		MHz	Loss	Factor	Factor	Level	Level	
1	1227.791	2.70	25.16	37.31	42.22	32.77	74.00	-41.23 peak
2	1648.778	3.27	26.46	36.16	40.73	34.30	88.20	-53.90 peak
3	4456.315	6.73	32.97	34.52	38.77	43.95	88.20	-44.25 peak
4	8814.957	10.08	36.78	35.11	38.59	50.34	74.00	-23.66 peak
5	q13030.000	12.87	38.52	36.20	37.17	52.36	74.00	-21.64 peak
6	17844.590	14.56	43.94	36.43	31.33	53.40	88.20	-34.80 peak

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



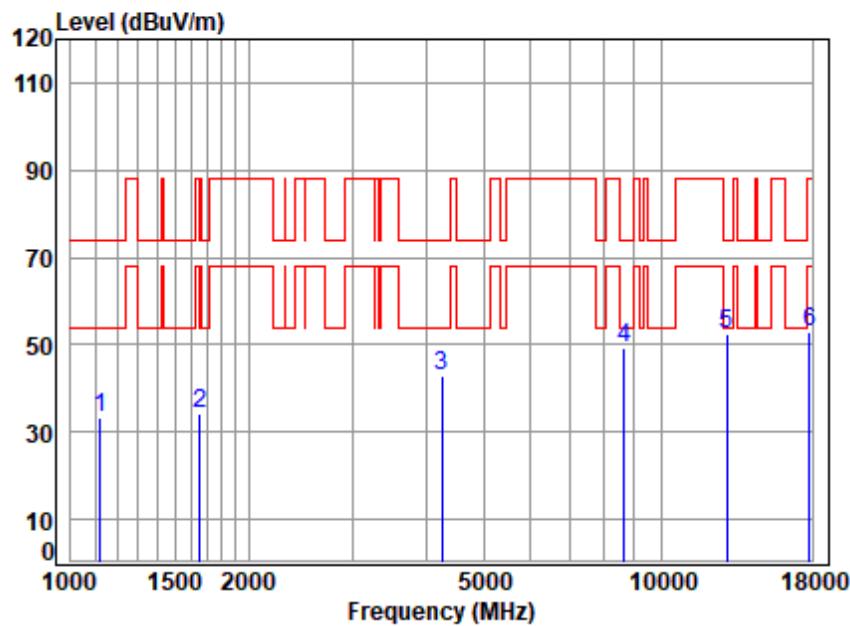
Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 01769AT
 Mode : 6445 TX RSE
 Note : 6E WIFI 11AX40

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Factor	Level	Level	
1	1185.94	2.64	25.06	37.45	42.86	33.11	74.00 -40.89 peak
2	1583.39	3.18	26.13	36.32	41.05	34.04	74.00 -39.96 peak
3	4145.66	6.51	32.72	34.62	38.27	42.88	74.00 -31.12 peak
4	8814.96	10.08	36.78	35.11	37.59	49.34	74.00 -24.66 peak
5	12890.00	12.79	38.41	36.19	37.08	52.09	74.00 -21.91 peak
6	17844.59	14.56	43.94	36.43	31.23	53.30	88.20 -34.90 peak

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



Site : chamber
 Condition: 3m VERTICAL
 Job No : 01769AT
 Mode : 6445 TX RSE
 Note : 6E WIFI 11AX40

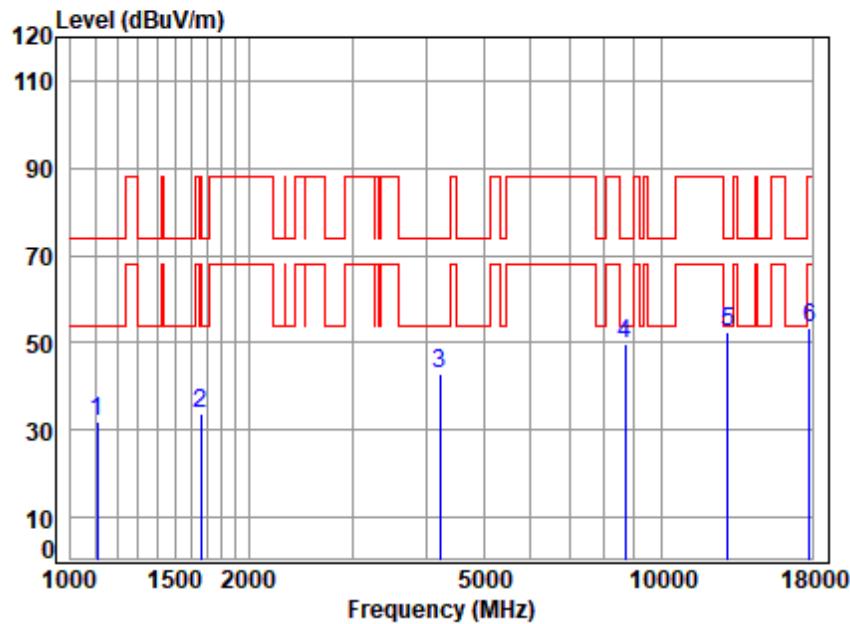
Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	Loss	Factor	Factor	Level			
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 1122.56	2.56	24.91	37.67	43.30	33.10	74.00	-40.90 peak
2 1653.55	3.27	26.48	36.15	40.41	34.01	88.20	-54.19 peak
3 4254.92	6.59	32.81	34.58	38.22	43.04	74.00	-30.96 peak
4 8638.40	9.91	36.57	35.21	37.97	49.24	74.00	-24.76 peak
5 q 12890.00	12.79	38.41	36.19	37.49	52.50	74.00	-21.50 peak
6 17844.59	14.56	43.94	36.43	30.87	52.94	88.20	-35.26 peak

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



Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 01769AT
 Mode : 6485 TX RSE
 Note : 6E WIFI 11AX40

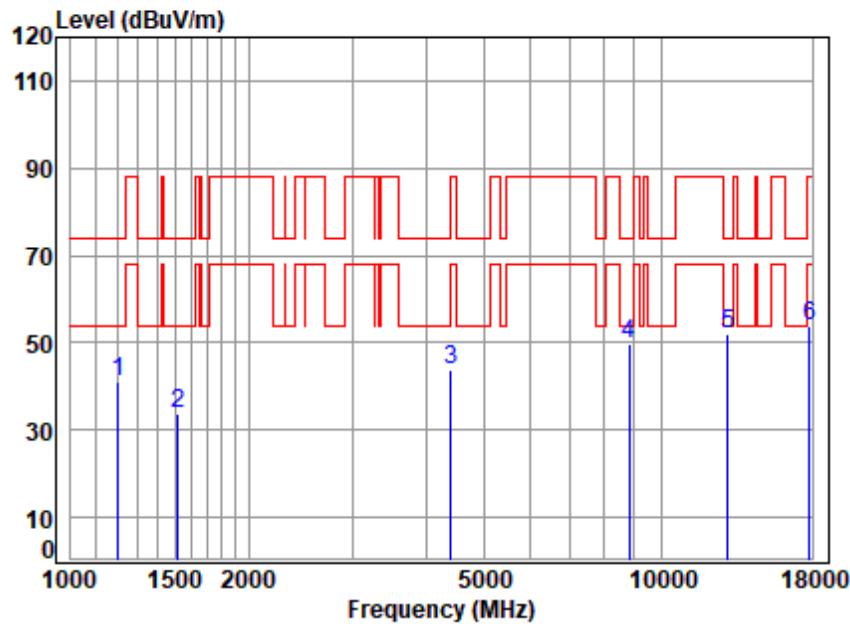
Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	Loss	Factor	Factor	Level			
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 1109.66	2.54	24.88	37.71	42.22	31.93	74.00	-42.07 peak
2 1658.34	3.28	26.50	36.14	39.97	33.61	88.20	-54.59 peak
3 4218.19	6.56	32.78	34.59	38.10	42.85	74.00	-31.15 peak
4 8688.48	9.96	36.63	35.18	38.16	49.57	74.00	-24.43 peak
5 q 12970.00	12.85	38.48	36.20	37.37	52.50	74.00	-21.50 peak
6 17793.09	14.54	43.78	36.46	31.33	53.19	88.20	-35.01 peak

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



Site : chamber
 Condition: 3m VERTICAL
 Job No : 01769AT
 Mode : 6485 TX RSE
 Note : 6E WIFI 11AX40

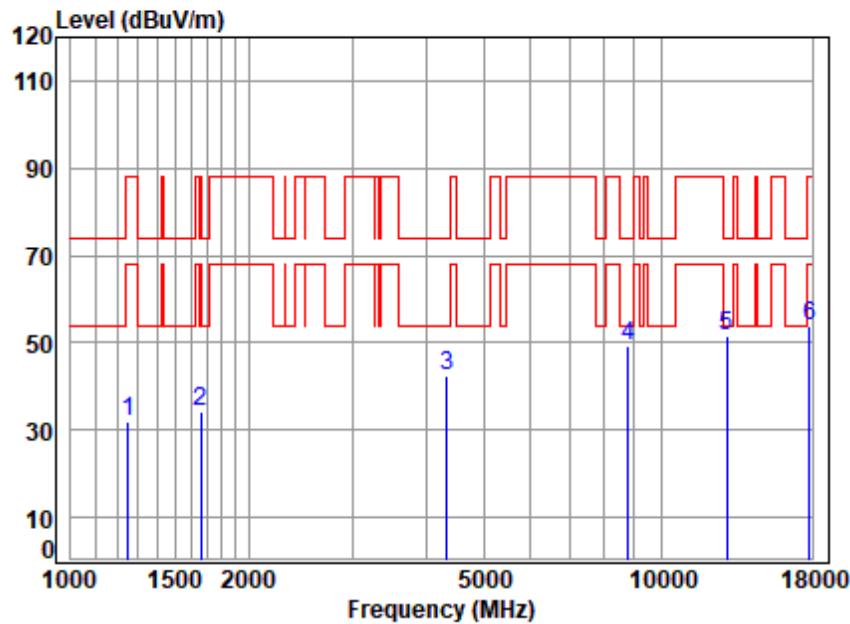
Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	Loss	Factor	Factor	Level			
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 1203.20	2.66	25.10	37.39	50.92	41.29	74.00	-32.71 peak
2 1516.21	3.09	25.79	36.49	41.51	33.90	74.00	-40.10 peak
3 4405.09	6.70	32.93	34.54	38.88	43.97	88.20	-44.23 peak
4 8814.96	10.08	36.78	35.11	38.06	49.81	74.00	-24.19 peak
5 q 12970.00	12.85	38.48	36.20	36.87	52.00	74.00	-22.00 peak
6 17793.09	14.54	43.78	36.46	31.98	53.84	88.20	-34.36 peak

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



Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 01769AT
 Mode : 6465 TX RSE
 Note : 6E WIFI 11AX80

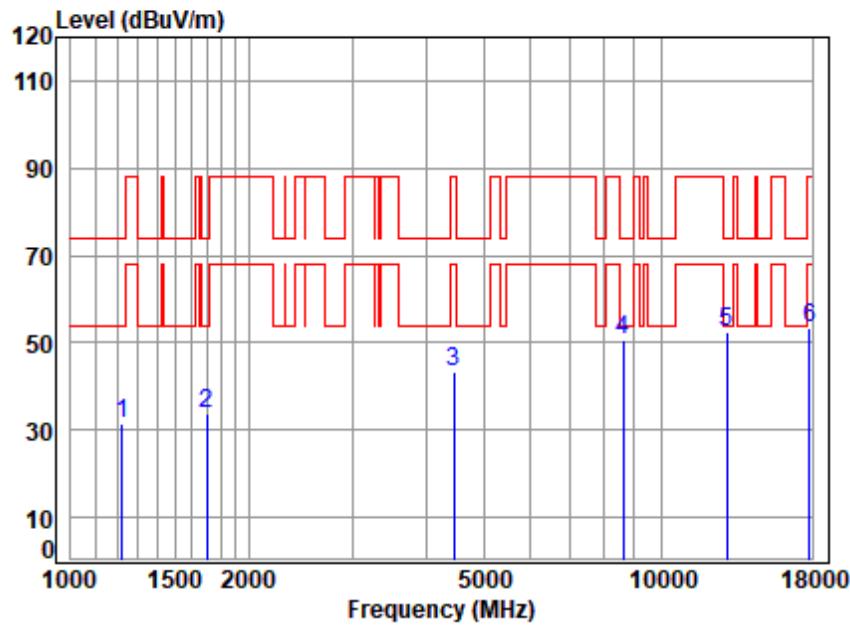
Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Factor	Level	Level	
1	1249.27	2.73	25.20	37.25	41.27	31.95	88.20 -56.25 peak
2	1663.14	3.29	26.53	36.12	40.54	34.24	74.00 -39.76 peak
3	4341.89	6.65	32.88	34.56	37.68	42.65	74.00 -31.35 peak
4	8789.52	10.05	36.75	35.12	37.66	49.34	74.00 -24.66 peak
5	12930.00	12.82	38.44	36.19	36.55	51.62	74.00 -22.38 peak
6	17793.09	14.54	43.78	36.46	31.91	53.77	88.20 -34.43 peak

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



Site : chamber
 Condition: 3m VERTICAL
 Job No : 01769AT
 Mode : 6465 TX RSE
 Note : 6E WIFI 11AX80

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Factor	Level	Level	
1	1220.71	2.69	25.14	37.34	41.04	31.53	74.00 -42.47 peak
2	1702.04	3.34	26.71	36.03	39.53	33.55	74.00 -40.45 peak
3	4456.32	6.73	32.97	34.52	38.16	43.34	88.20 -44.86 peak
4	8613.47	9.89	36.54	35.23	39.31	50.51	74.00 -23.49 peak
5	12930.00	12.82	38.44	36.19	37.44	52.51	74.00 -21.49 peak
6	17844.59	14.56	43.94	36.43	31.18	53.25	88.20 -34.95 peak

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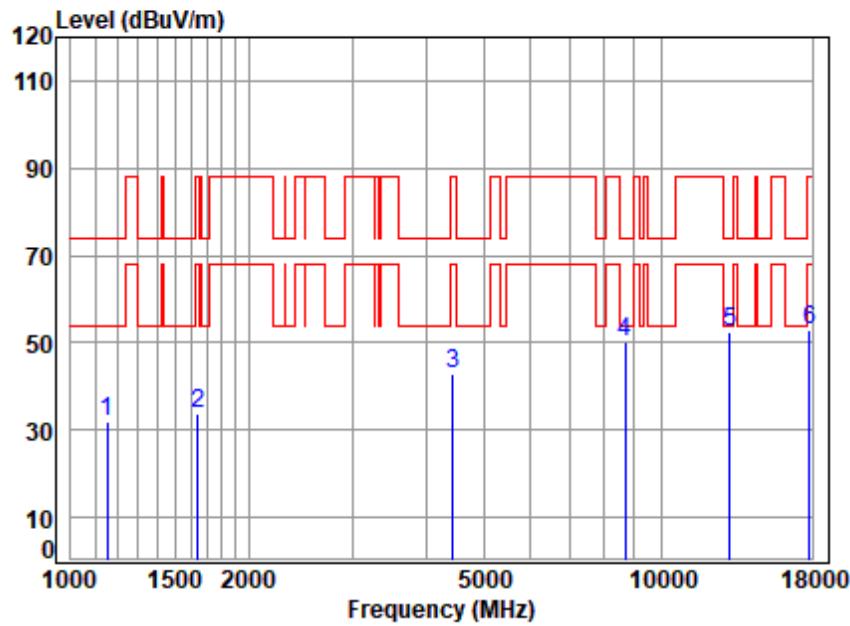
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 Shenzhen Branch Inspection & Testing Services Laboratory

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

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



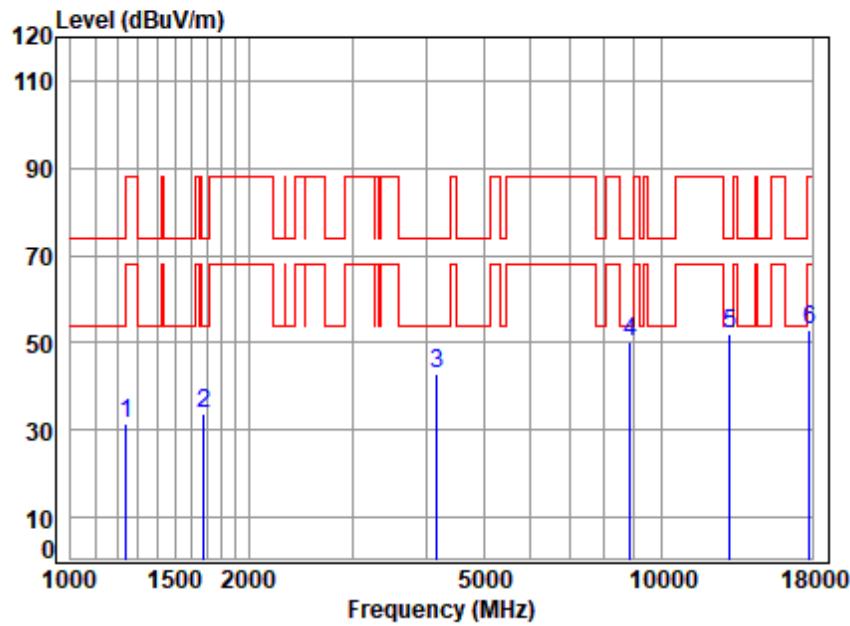
Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 01769AT
 Mode : 6535 TX RSE
 Note : 6E WIFI 11AX20

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Factor	Level	Level	
1	1152.15	2.60	24.98	37.56	41.82	31.84	74.00 -42.16 peak
2	1644.02	3.26	26.43	36.17	40.27	33.79	88.20 -54.41 peak
3	4443.45	6.72	32.96	34.53	37.69	42.84	88.20 -45.36 peak
4	8688.48	9.96	36.63	35.18	38.64	50.05	74.00 -23.95 peak
5	13070.00	12.87	38.56	36.20	37.14	52.37	74.00 -21.63 peak
6	17793.09	14.54	43.78	36.46	31.07	52.93	88.20 -35.27 peak

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



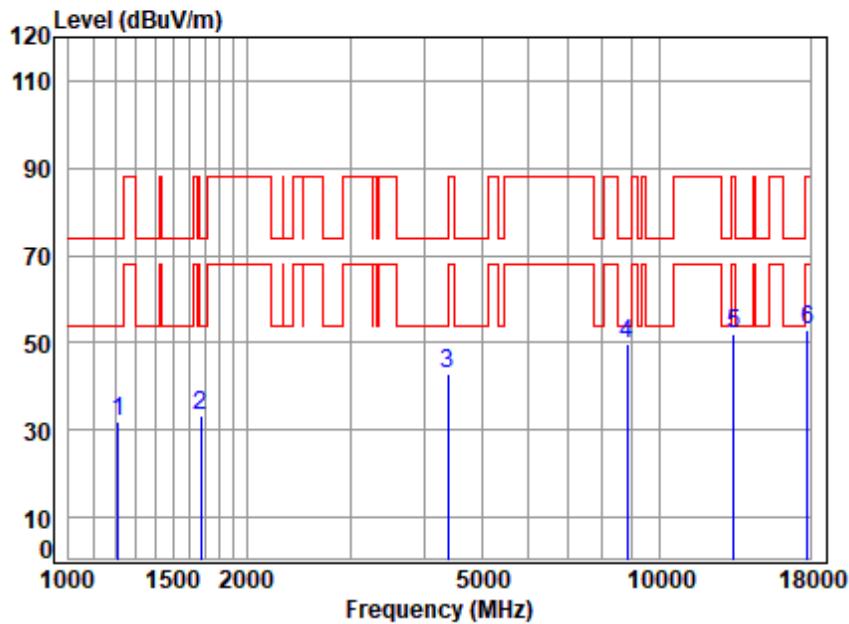
Site : chamber
 Condition: 3m VERTICAL
 Job No : 01769AT
 Mode : 6535 TX RSE
 Note : 6E WIFI 11AX20

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Factor	Level	Level	
1	1242.07	2.72	25.19	37.27	40.84	31.48	88.20 -56.72 peak
2	1677.62	3.30	26.59	36.09	39.86	33.66	74.00 -40.34 peak
3	4169.70	6.53	32.74	34.61	38.20	42.86	74.00 -31.14 peak
4	8866.06	10.12	36.84	35.08	38.36	50.24	74.00 -23.76 peak
5	13070.00	12.87	38.56	36.20	36.90	52.13	74.00 -21.87 peak
6	17793.09	14.54	43.78	36.46	31.27	53.13	88.20 -35.07 peak

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



Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 01769AT
 Mode : 6695 TX RSE
 Note : 6E WIFI 11AX20

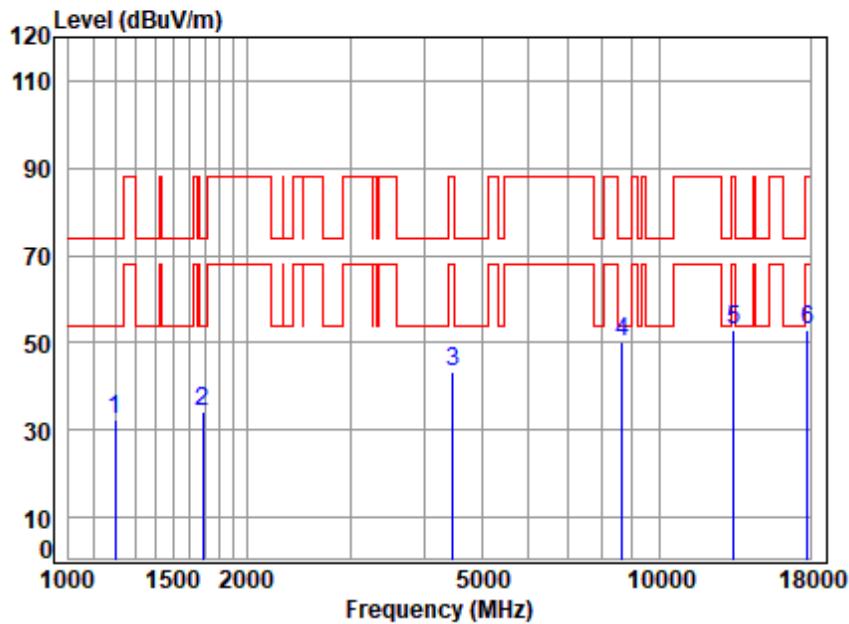
Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Factor	Level	Level	
1	1213.68	2.68	25.13	37.36	41.64	32.09	74.00 -41.91 peak
2	1672.78	3.30	26.57	36.10	39.73	33.50	74.00 -40.50 peak
3	4392.38	6.69	32.92	34.54	37.76	42.83	74.00 -31.17 peak
4 q	8814.96	10.08	36.78	35.11	37.90	49.65	74.00 -24.35 peak
5	13390.00	12.90	38.81	36.20	36.54	52.05	88.20 -36.15 peak
6	17844.59	14.56	43.94	36.43	30.71	52.78	88.20 -35.42 peak

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



Site : chamber
 Condition: 3m VERTICAL
 Job No : 01769AT
 Mode : 6695 TX RSE
 Note : 6E WIFI 11AX20

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Factor	Level	Level	
1	1199.73	2.66	25.09	37.41	41.97	32.31	74.00 -41.69 peak
2	1687.35	3.32	26.64	36.07	40.17	34.06	74.00 -39.94 peak
3	4469.21	6.74	32.98	34.52	38.29	43.49	88.20 -44.71 peak
4 q	8638.40	9.91	36.57	35.21	38.80	50.07	74.00 -23.93 peak
5	13390.00	12.90	38.81	36.20	37.28	52.79	88.20 -35.41 peak
6	17844.59	14.56	43.94	36.43	30.88	52.95	88.20 -35.25 peak

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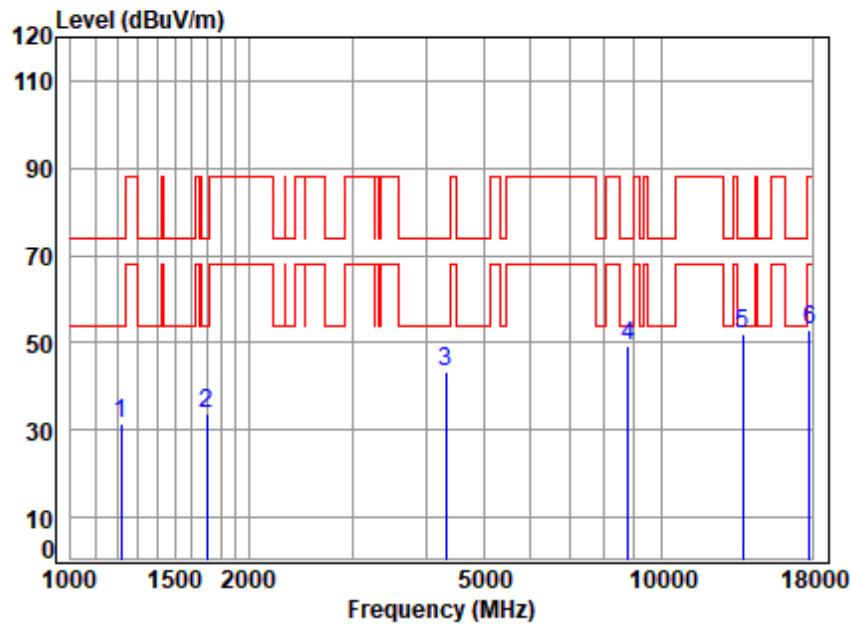
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SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch Inspection & Testing Services Laboratory

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



Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 01769AT
 Mode : 6855 TX RSE
 Note : 6E WIFI 11AX20

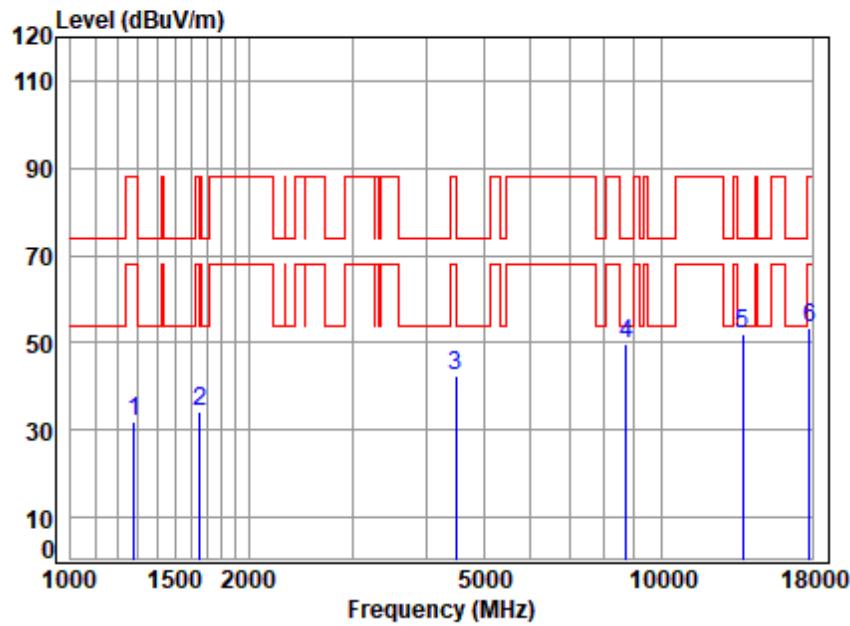
Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Factor	Level	Level	
1	1217.19	2.68	25.13	37.35	40.82	31.28	74.00 -42.72 peak
2	1697.13	3.33	26.69	36.04	39.59	33.57	74.00 -40.43 peak
3	4316.86	6.63	32.86	34.56	38.22	43.15	74.00 -30.85 peak
4	8789.52	10.05	36.75	35.12	37.63	49.31	74.00 -24.69 peak
5	13710.00	12.92	39.45	36.20	35.91	52.08	74.00 -21.92 peak
6	17844.59	14.56	43.94	36.43	30.89	52.96	88.20 -35.24 peak

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



Site : chamber
 Condition: 3m VERTICAL
 Job No : 01769AT
 Mode : 6855 TX RSE
 Note : 6E WIFI 11AX20

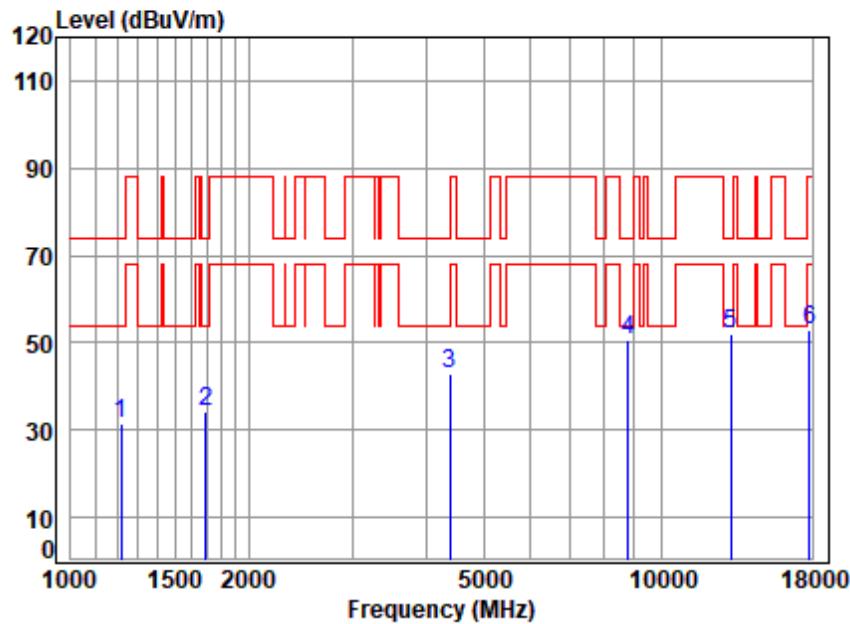
Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	Freq	Loss	Factor	Factor			
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1278.49	2.77	25.27	37.16	40.91	31.79	88.20 -56.41 peak
2	1653.55	3.27	26.48	36.15	40.42	34.02	88.20 -54.18 peak
3	4482.15	6.75	32.99	34.52	37.24	42.46	88.20 -45.74 peak
4	8713.63	9.98	36.66	35.17	38.11	49.58	74.00 -24.42 peak
5	13710.00	12.92	39.45	36.20	35.76	51.93	74.00 -22.07 peak
6	17793.09	14.54	43.78	36.46	31.33	53.19	88.20 -35.01 peak

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



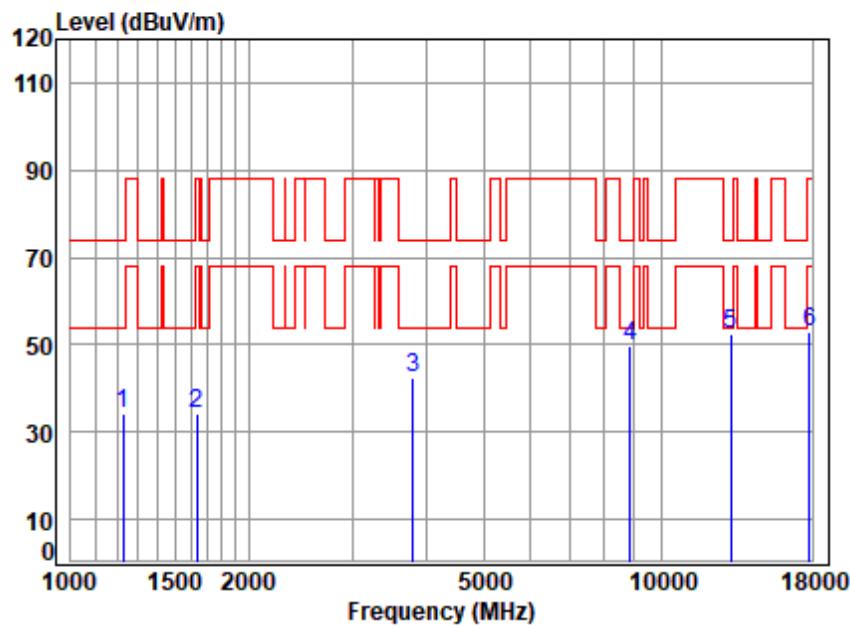
Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 01769AT
 Mode : 6565 TX RSE
 Note : 6E WIFI 11AX40

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	Loss	Factor	Factor	Level			
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1217.19	2.68	25.13	37.35	40.81	31.27	74.00 -42.73 peak
2	1692.23	3.32	26.66	36.06	40.40	34.32	74.00 -39.68 peak
3	4379.70	6.68	32.91	34.55	38.00	43.04	74.00 -30.96 peak
4	8789.52	10.05	36.75	35.12	38.80	50.48	74.00 -23.52 peak
5	13130.00	12.88	38.61	36.20	36.82	52.11	74.00 -21.89 peak
6	17793.09	14.54	43.78	36.46	31.06	52.92	88.20 -35.28 peak

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



Site : chamber
 Condition: 3m VERTICAL
 Job No : 01769AT
 Mode : 6565 TX RSE
 Note : 6E WIFI 11AX40

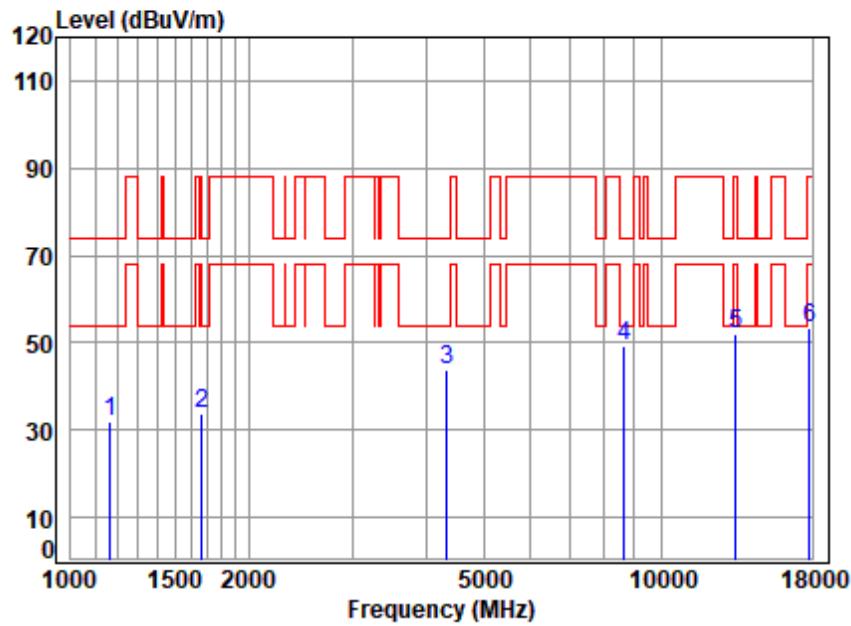
Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	Loss	Factor	Factor	Level			
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 1227.79	2.70	25.16	37.31	43.47	34.02	74.00	-39.98 peak
2 1634.54	3.25	26.39	36.19	40.55	34.00	88.20	-54.20 peak
3 3801.33	6.10	32.26	34.71	38.91	42.56	74.00	-31.44 peak
4 8840.47	10.10	36.81	35.09	38.07	49.89	74.00	-24.11 peak
5 q 13130.00	12.88	38.61	36.20	36.99	52.28	74.00	-21.72 peak
6 17844.59	14.56	43.94	36.43	30.91	52.98	88.20	-35.22 peak

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



Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 01769AT
 Mode : 6685 TX RSE
 Note : 6E WIFI 11AX40

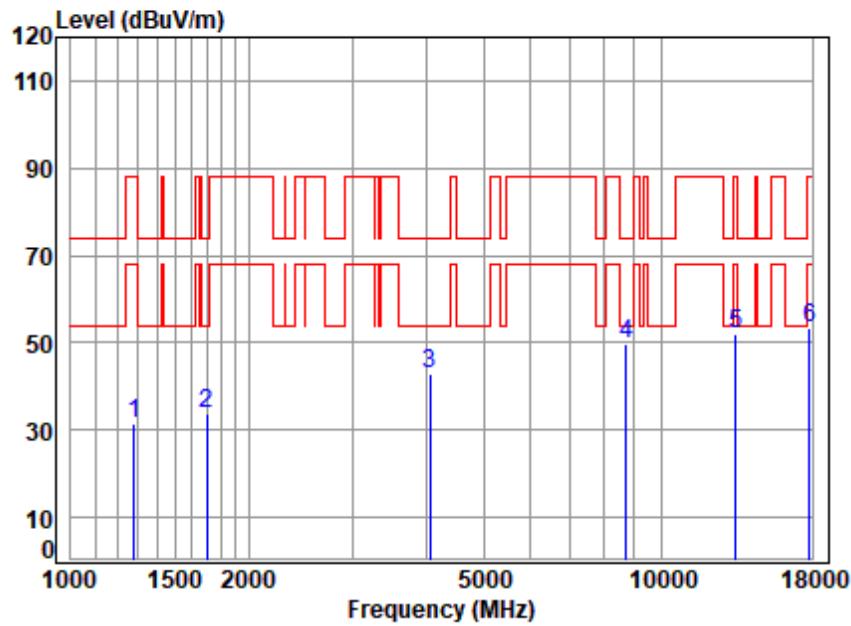
Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	Loss	Factor	Factor	Level			
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 1165.55	2.61	25.02	37.52	41.93	32.04	74.00	-41.96 peak
2 1667.95	3.29	26.55	36.11	40.03	33.76	74.00	-40.24 peak
3 4341.89	6.65	32.88	34.56	38.71	43.68	74.00	-30.32 peak
4 q 8638.40	9.91	36.57	35.21	37.97	49.24	74.00	-24.76 peak
5 13370.00	12.90	38.80	36.20	36.33	51.83	88.20	-36.37 peak
6 17844.59	14.56	43.94	36.43	31.31	53.38	88.20	-34.82 peak

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

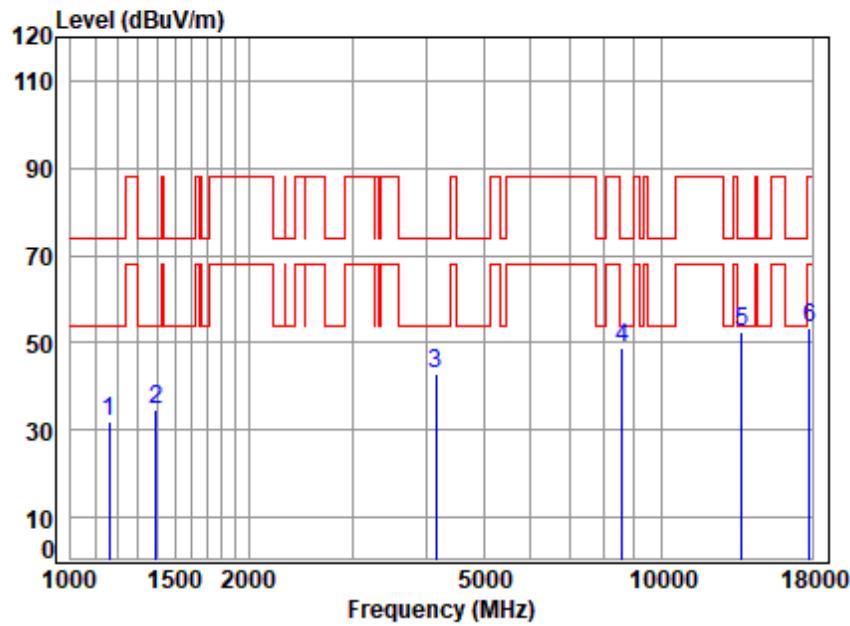


Site : chamber
 Condition: 3m VERTICAL
 Job No : 01769AT
 Mode : 6685 TX RSE
 Note : 6E WIFI 11AX40

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Factor	Level	Level	
1	1278.49	2.77	25.27	37.16	40.43	31.31	88.20 -56.89 peak
2	1702.04	3.34	26.71	36.03	39.77	33.79	74.00 -40.21 peak
3	4062.63	6.45	32.65	34.64	38.45	42.91	74.00 -31.09 peak
4 q	8713.63	9.98	36.66	35.17	38.31	49.78	74.00 -24.22 peak
5	13370.00	12.90	38.80	36.20	36.72	52.22	88.20 -35.98 peak
6	17793.09	14.54	43.78	36.46	31.47	53.33	88.20 -34.87 peak



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



Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 01769AT
 Mode : 6845 TX RSE
 Note : 6E WIFI 11AX40

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Factor	Level	Level	
1	1162.18	2.61	25.01	37.53	41.79	31.88	74.00 -42.12 peak
2	1394.30	2.92	25.50	36.82	43.17	34.77	74.00 -39.23 peak
3	4145.66	6.51	32.72	34.62	38.29	42.90	74.00 -31.10 peak
4	8588.61	9.86	36.51	35.24	37.90	49.03	74.00 -24.97 peak
5	13690.00	12.92	39.40	36.20	36.44	52.56	74.00 -21.44 peak
6	17793.09	14.54	43.78	36.46	31.73	53.59	88.20 -34.61 peak

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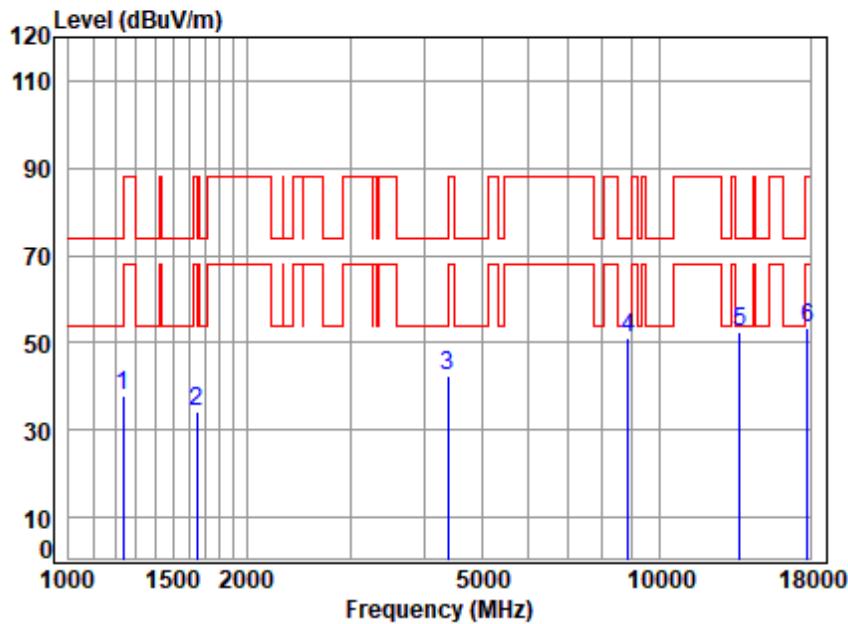
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Test Mode: 02; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:High



Site : chamber
 Condition: 3m VERTICAL
 Job No : 01769AT
 Mode : 6845 TX RSE
 Note : 6E WIFI 11AX40

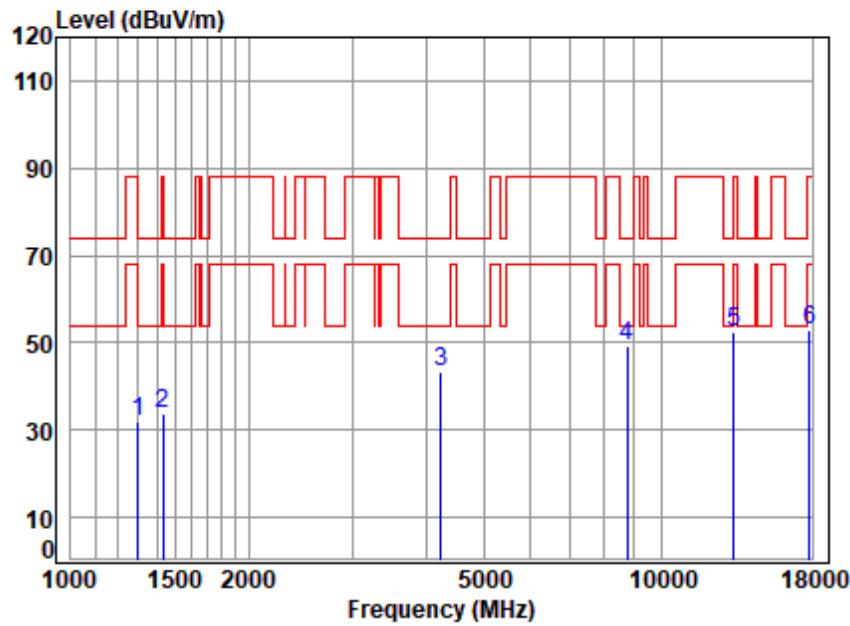
Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	Loss	Factor	Factor	Level			
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 1238.48	2.71	25.18	37.28	47.07	37.68	74.00	-36.32 peak
2 1648.78	3.27	26.46	36.16	40.53	34.10	88.20	-54.10 peak
3 4379.70	6.68	32.91	34.55	37.60	42.64	74.00	-31.36 peak
4 8866.06	10.12	36.84	35.08	39.16	51.04	74.00	-22.96 peak
5 q 13690.00	12.92	39.40	36.20	36.29	52.41	74.00	-21.59 peak
6 17844.59	14.56	43.94	36.43	31.31	53.38	88.20	-34.82 peak

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



Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 01769AT
 Mode : 6625 TX RSE
 Note : 6E WIFI 11AX80

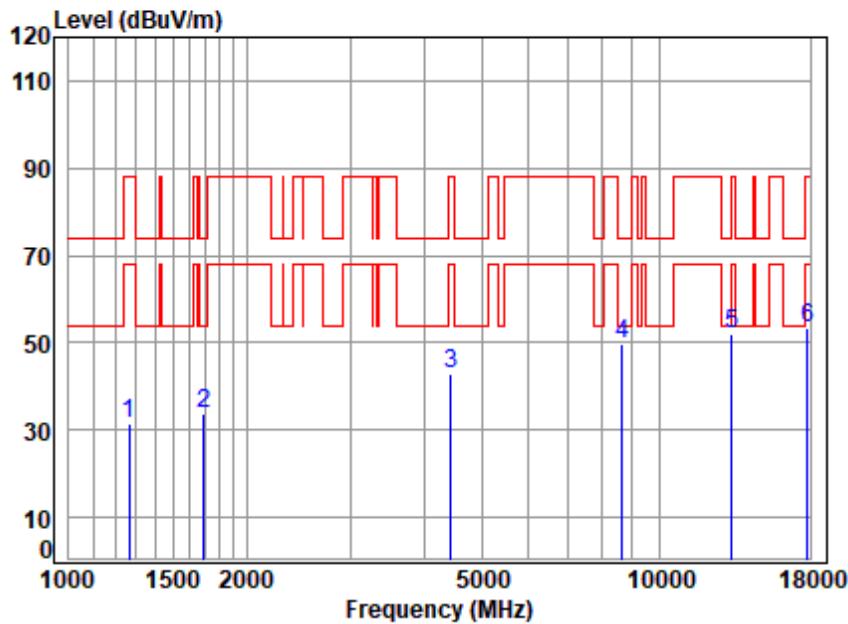
Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	Loss	Factor	Factor	Level			
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1300.86	2.80	25.31	37.09	40.80	31.82	74.00 -42.18 peak
2	1431.05	2.97	25.57	36.71	42.13	33.96	88.20 -54.24 peak
3	4230.40	6.57	32.79	34.59	38.74	43.51	74.00 -30.49 peak
4	8764.15	10.03	36.72	35.14	37.73	49.34	74.00 -24.66 peak
5	13250.00	12.89	38.70	36.20	37.03	52.42	74.00 -21.58 peak
6	17793.09	14.54	43.78	36.46	31.08	52.94	88.20 -35.26 peak

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



Site : chamber
 Condition: 3m VERTICAL
 Job No : 01769AT
 Mode : 6625 TX RSE
 Note : 6E WIFI 11AX80

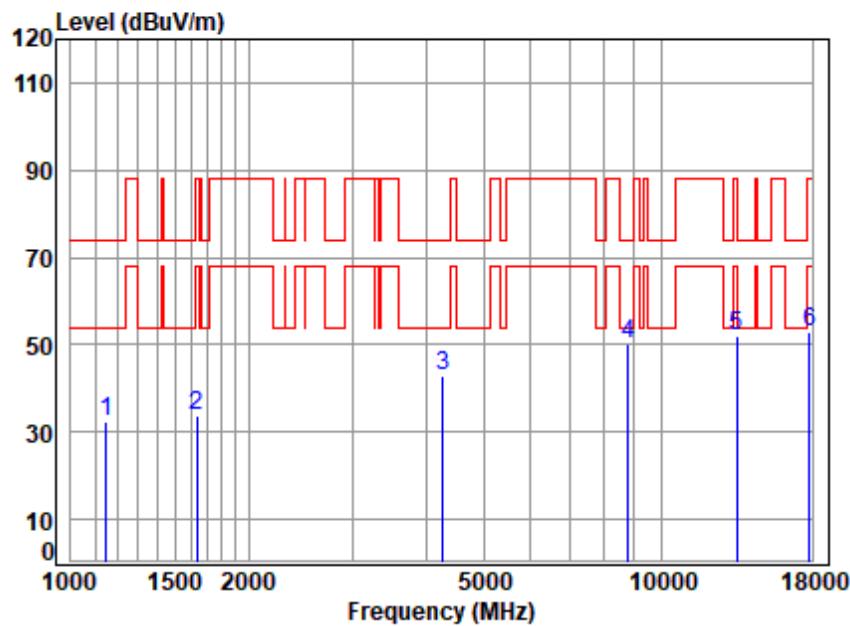
Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	Freq	Loss	Factor	Factor			
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 1263.80	2.75	25.24	37.20	40.91	31.70	88.20	-56.50 peak
2 1692.23	3.32	26.66	36.06	39.74	33.66	74.00	-40.34 peak
3 4443.45	6.72	32.96	34.53	37.71	42.86	88.20	-45.34 peak
4 8663.40	9.93	36.60	35.20	38.33	49.66	74.00	-24.34 peak
5 q 13250.00	12.89	38.70	36.20	36.74	52.13	74.00	-21.87 peak
6 17844.59	14.56	43.94	36.43	31.38	53.45	88.20	-34.75 peak

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



Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 01769AT
 Mode : 6705 TX RSE
 Note : 6E WIFI 11AX80

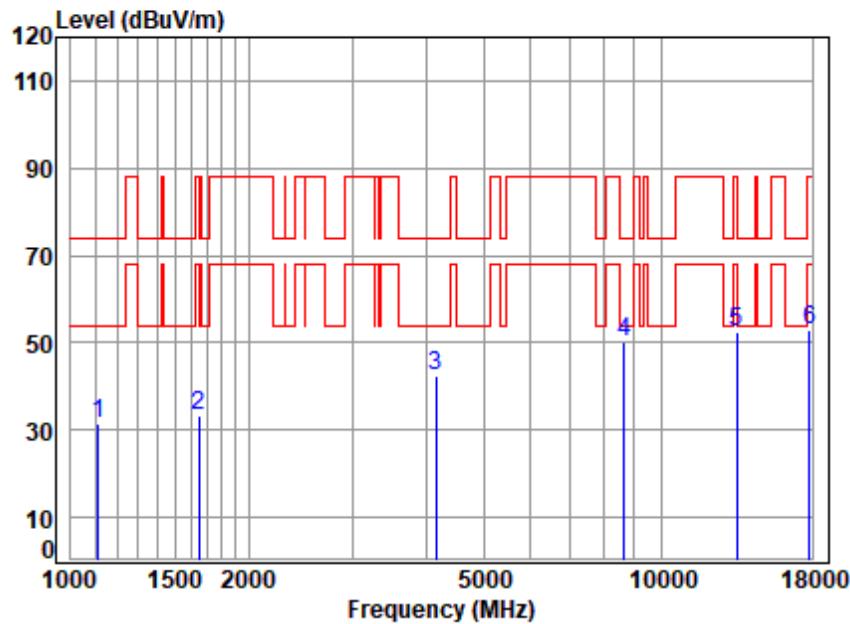
Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	Loss	Factor	Factor	Level			
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 1148.82	2.59	24.98	37.58	42.37	32.36	74.00	-41.64 peak
2 1634.54	3.25	26.39	36.19	40.39	33.84	88.20	-54.36 peak
3 4267.24	6.60	32.82	34.58	38.09	42.93	74.00	-31.07 peak
4 8789.52	10.05	36.75	35.12	38.35	50.03	74.00	-23.97 peak
5 q 13410.00	12.90	38.83	36.20	36.47	52.00	74.00	-22.00 peak
6 17793.09	14.54	43.78	36.46	31.02	52.88	88.20	-35.32 peak

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



Site : chamber
 Condition: 3m VERTICAL
 Job No : 01769AT
 Mode : 6705 TX RSE
 Note : 6E WIFI 11AX80

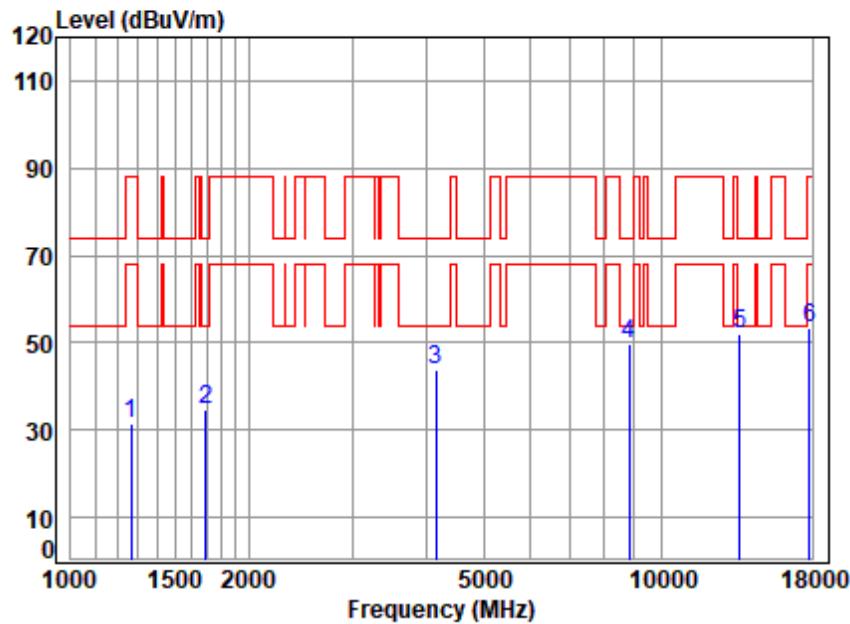
Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Factor	Level	Level	
1	1112.87	2.54	24.89	37.70	41.90	31.63	74.00 -42.37 peak
2	1648.78	3.27	26.46	36.16	39.72	33.29	88.20 -54.91 peak
3	4145.66	6.51	32.72	34.62	37.99	42.60	74.00 -31.40 peak
4	8663.40	9.93	36.60	35.20	38.65	49.98	74.00 -24.02 peak
5	13410.00	12.90	38.83	36.20	36.86	52.39	74.00 -21.61 peak
6	17844.59	14.56	43.94	36.43	30.84	52.91	88.20 -35.29 peak

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



Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 01769AT
 Mode : 6785 TX RSE
 Note : 6E WIFI 11AX80

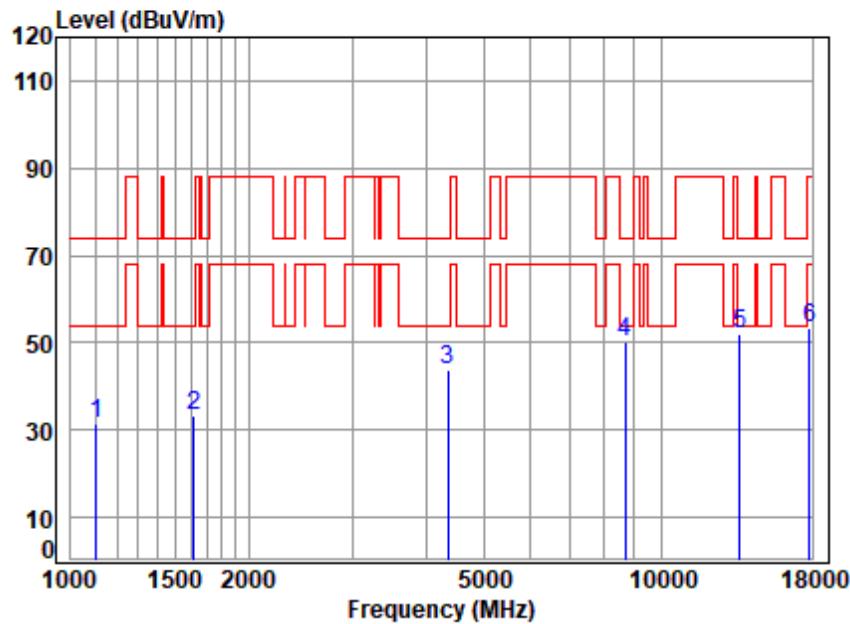
Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Factor			
1	1267.45	2.75	25.24	37.19	40.75	31.55	88.20 -56.65 peak
2	1692.23	3.32	26.66	36.06	40.79	34.71	74.00 -39.29 peak
3	4145.66	6.51	32.72	34.62	39.39	44.00	74.00 -30.00 peak
4	8814.96	10.08	36.78	35.11	37.93	49.68	74.00 -24.32 peak
5	13570.00	12.91	39.08	36.20	36.22	52.01	74.00 -21.99 peak
6	17844.59	14.56	43.94	36.43	31.42	53.49	88.20 -34.71 peak

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



Site : chamber
 Condition: 3m VERTICAL
 Job No : 01769AT
 Mode : 6785 TX RSE
 Note : 6E WIFI 11AX80

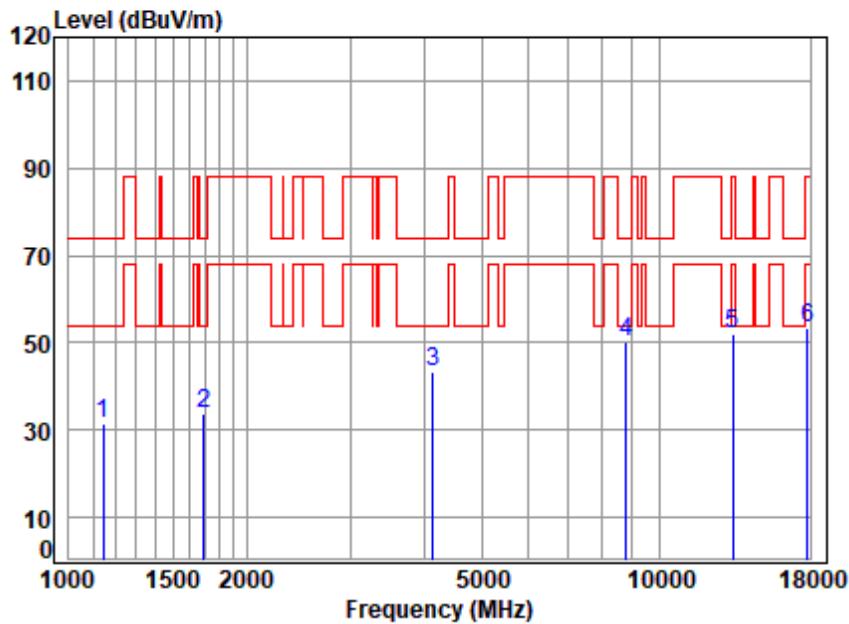
Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	Freq	Loss	Factor	Factor			
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 1106.46	2.53	24.87	37.72	41.89	31.57	74.00	-42.43 peak
2 1615.75	3.22	26.29	36.24	39.99	33.26	74.00	-40.74 peak
3 4354.45	6.66	32.89	34.55	38.84	43.84	74.00	-30.16 peak
4 8688.48	9.96	36.63	35.18	38.59	50.00	74.00	-24.00 peak
5 q 13570.00	12.91	39.08	36.20	36.17	51.96	74.00	-22.04 peak
6 17844.59	14.56	43.94	36.43	31.18	53.25	88.20	-34.95 peak

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Test Mode: 02; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:160MHz; Channel:middle



Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 01769AT
 Mode : 6665 TX RSE
 Note : 6E WIFI 11AX160

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Factor	Level	Level	
1	1142.20	2.58	24.96	37.60	41.56	31.50	74.00 -42.50 peak
2	1692.23	3.32	26.66	36.06	39.64	33.56	74.00 -40.44 peak
3	4133.70	6.50	32.71	34.62	38.56	43.15	74.00 -30.85 peak
4 q	8789.52	10.05	36.75	35.12	38.44	50.12	74.00 -23.88 peak
5	13330.00	12.89	38.77	36.20	36.55	52.01	88.20 -36.19 peak
6	17844.59	14.56	43.94	36.43	31.50	53.57	88.20 -34.63 peak

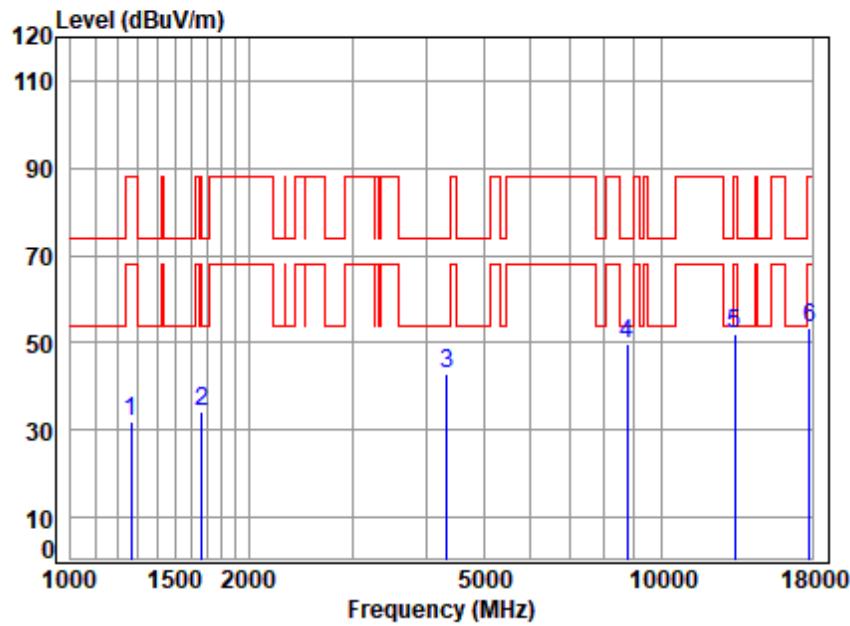


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 中国·广东·深圳市南山区科技园中区M-10栋1号厂房 邮编:518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

Test Mode: 02; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:160MHz; Channel:middle



Site : chamber

Condition: 3m VERTICAL

Job No : 01769AT

Mode : 6665 TX RSE

Note : 6E WIFI 11AX160

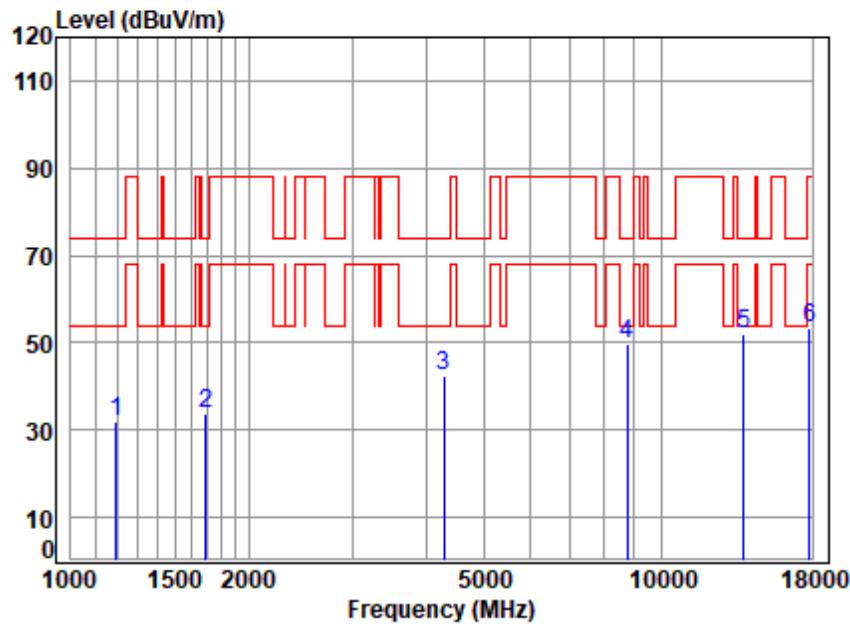
Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	Freq	Loss	Factor	Factor			
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1267.45	2.75	25.24	37.19	41.01	31.81	88.20 -56.39 peak
2	1667.95	3.29	26.55	36.11	40.44	34.17	74.00 -39.83 peak
3	4329.35	6.64	32.87	34.56	37.82	42.77	74.00 -31.23 peak
4 q	8764.15	10.03	36.72	35.14	38.10	49.71	74.00 -24.29 peak
5	13330.00	12.89	38.77	36.20	36.41	51.87	88.20 -36.33 peak
6	17844.59	14.56	43.94	36.43	31.18	53.25	88.20 -34.95 peak

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



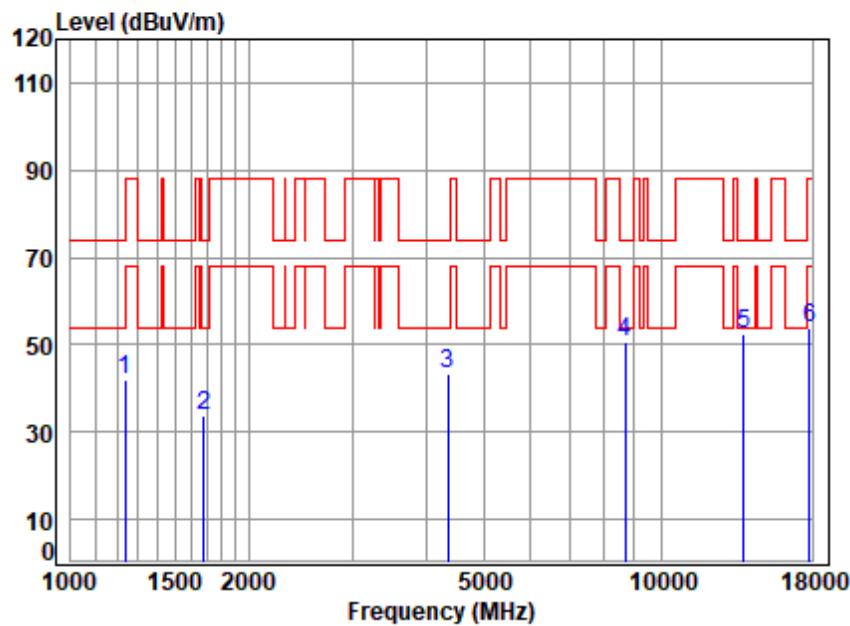
Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 01769AT
 Mode : 6895 TX RSE
 Note : 6E WIFI 11AX20

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Factor	Level	Level	
1	1192.81	2.65	25.08	37.43	41.54	31.84	74.00 -42.16 peak
2	1692.23	3.32	26.66	36.06	39.75	33.67	74.00 -40.33 peak
3	4291.98	6.62	32.84	34.57	37.65	42.54	74.00 -31.46 peak
4	8764.15	10.03	36.72	35.14	38.18	49.79	74.00 -24.21 peak
5	13790.00	12.93	39.66	36.20	35.45	51.84	74.00 -22.16 peak
6	17844.59	14.56	43.94	36.43	31.16	53.23	88.20 -34.97 peak

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



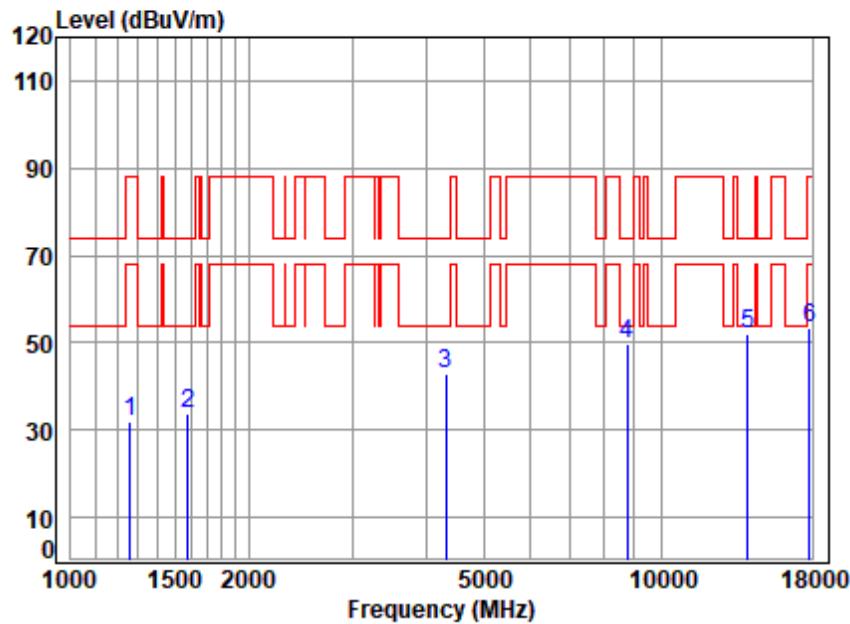
Site : chamber
Condition: 3m VERTICAL
Job No : 01769AT
Mode : 6895 TX RSE
Note : 6E WIFI 11AX20

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	Loss	Factor	Factor	Level			
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 1238.48	2.71	25.18	37.28	51.56	42.17	74.00	-31.83 peak
2 1682.48	3.31	26.62	36.08	39.70	33.55	74.00	-40.45 peak
3 4354.45	6.66	32.89	34.55	38.14	43.14	74.00	-30.86 peak
4 8688.48	9.96	36.63	35.18	39.03	50.44	74.00	-23.56 peak
5 q 13790.00	12.93	39.66	36.20	35.89	52.28	74.00	-21.72 peak
6 17793.09	14.54	43.78	36.46	31.83	53.69	88.20	-34.51 peak

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



Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 01769AT
 Mode : 6995 TX RSE
 Note : 6E WIFI 11AX20

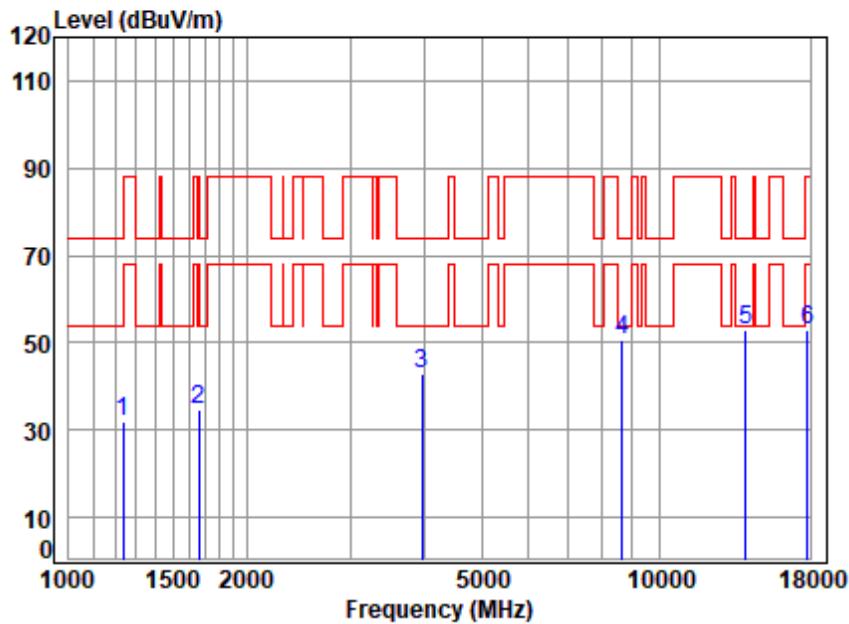
Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	Loss	Factor	Factor	Level			
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 1260.15	2.74	25.23	37.21	41.12	31.88	88.20	-56.32 peak
2 1578.82	3.17	26.11	36.33	40.82	33.77	74.00	-40.23 peak
3 4316.86	6.63	32.86	34.56	37.88	42.81	74.00	-31.19 peak
4 8738.85	10.00	36.69	35.15	38.17	49.71	74.00	-24.29 peak
5 q 13990.00	12.94	40.17	36.20	35.28	52.19	74.00	-21.81 peak
6 17844.59	14.56	43.94	36.43	31.14	53.21	88.20	-34.99 peak

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



Site : chamber
 Condition: 3m VERTICAL
 Job No : 01769AT
 Mode : 6995 TX RSE
 Note : 6E WIFI 11AX20

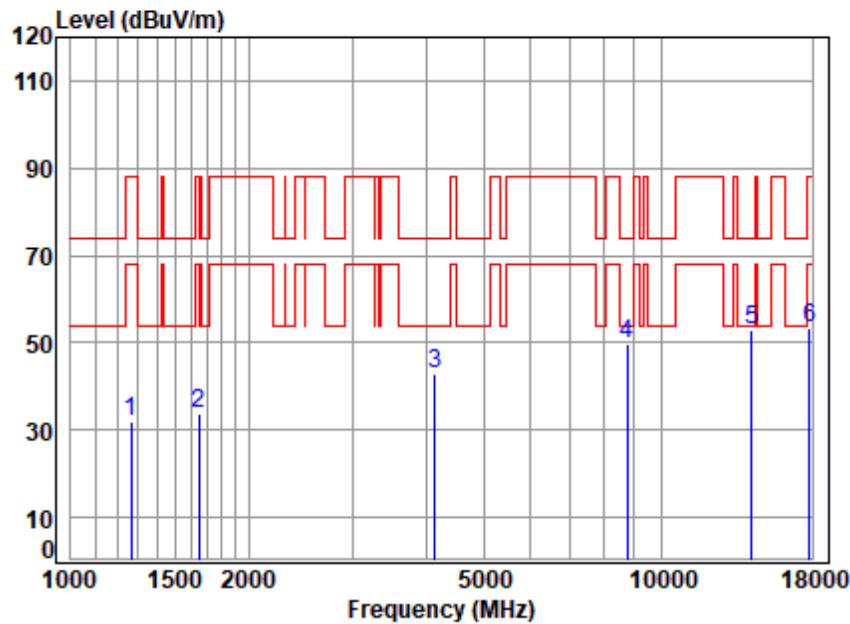
Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Factor	Level	Level	
1	1238.48	2.71	25.18	37.28	41.51	32.12	74.00 -41.88 peak
2	1663.14	3.29	26.53	36.12	40.85	34.55	74.00 -39.45 peak
3	3958.31	6.34	32.53	34.67	38.66	42.86	74.00 -31.14 peak
4	8638.40	9.91	36.57	35.21	39.50	50.77	74.00 -23.23 peak
5	13990.00	12.94	40.17	36.20	35.88	52.79	74.00 -21.21 peak
6	17793.09	14.54	43.78	36.46	31.09	52.95	88.20 -35.25 peak

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



Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 01769AT
 Mode : 7115 TX RSE
 Note : 6E WIFI 11AX20

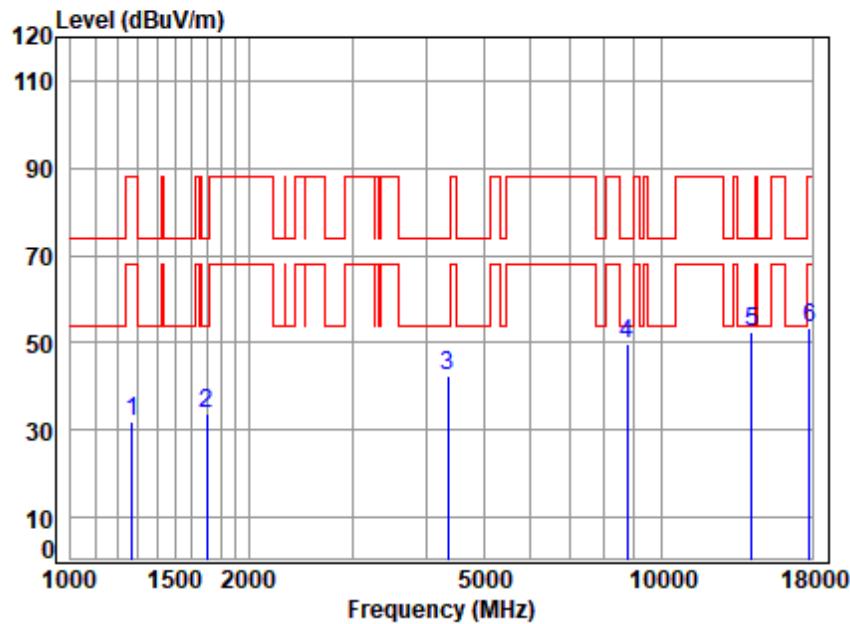
Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	Loss	Factor	Factor	Level			
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 1263.80	2.75	25.24	37.20	41.27	32.06	88.20	-56.14 peak
2 1648.78	3.27	26.46	36.16	40.02	33.59	88.20	-54.61 peak
3 4133.70	6.50	32.71	34.62	38.23	42.82	74.00	-31.18 peak
4 8764.15	10.03	36.72	35.14	38.05	49.66	74.00	-24.34 peak
5 q 14230.00	12.89	40.62	36.23	35.48	52.76	74.00	-21.24 peak
6 17844.59	14.56	43.94	36.43	31.16	53.23	88.20	-34.97 peak

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



Site : chamber
 Condition: 3m VERTICAL
 Job No : 01769AT
 Mode : 7115 TX RSE
 Note : 6E WIFI 11AX20

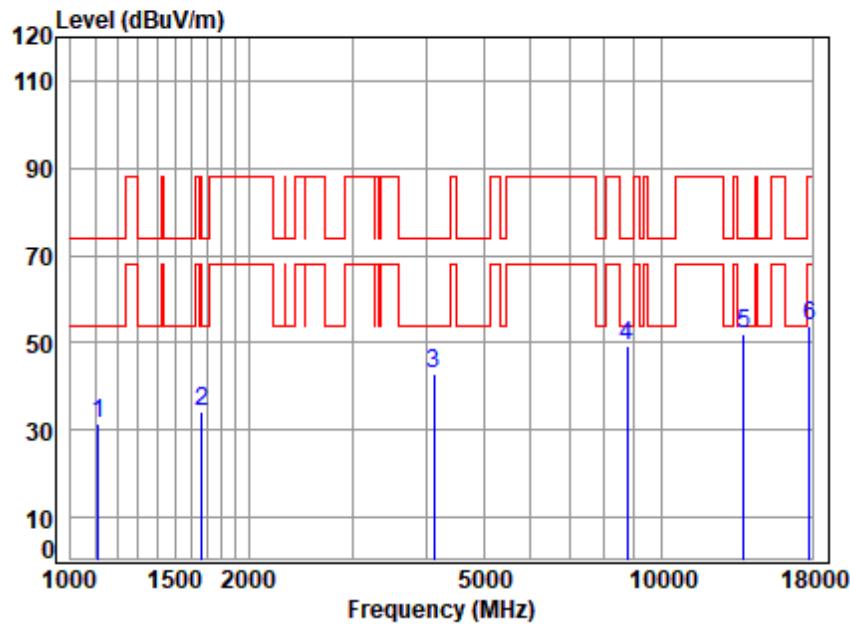
Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	Loss	Factor	Factor	Level			
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 1271.12	2.76	25.25	37.18	41.02	31.85	88.20	-56.35 peak
2 1702.04	3.34	26.71	36.03	39.82	33.84	74.00	-40.16 peak
3 4354.45	6.66	32.89	34.55	37.59	42.59	74.00	-31.41 peak
4 8764.15	10.03	36.72	35.14	38.13	49.74	74.00	-24.26 peak
5 q 14230.00	12.89	40.62	36.23	35.05	52.33	74.00	-21.67 peak
6 17844.59	14.56	43.94	36.43	31.41	53.48	88.20	-34.72 peak

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



Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 01769AT
 Mode : 6885 TX RSE
 Note : 6E WIFI 11AX40

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Factor	Level	Level	
1	1112.87	2.54	24.89	37.70	41.85	31.58	74.00 -42.42 peak
2	1667.95	3.29	26.55	36.11	40.52	34.25	74.00 -39.75 peak
3	4121.77	6.50	32.70	34.62	38.51	43.09	74.00 -30.91 peak
4	8738.85	10.00	36.69	35.15	37.91	49.45	74.00 -24.55 peak
5	13770.00	12.92	39.61	36.20	35.81	52.14	74.00 -21.86 peak
6	17844.59	14.56	43.94	36.43	31.59	53.66	88.20 -34.54 peak

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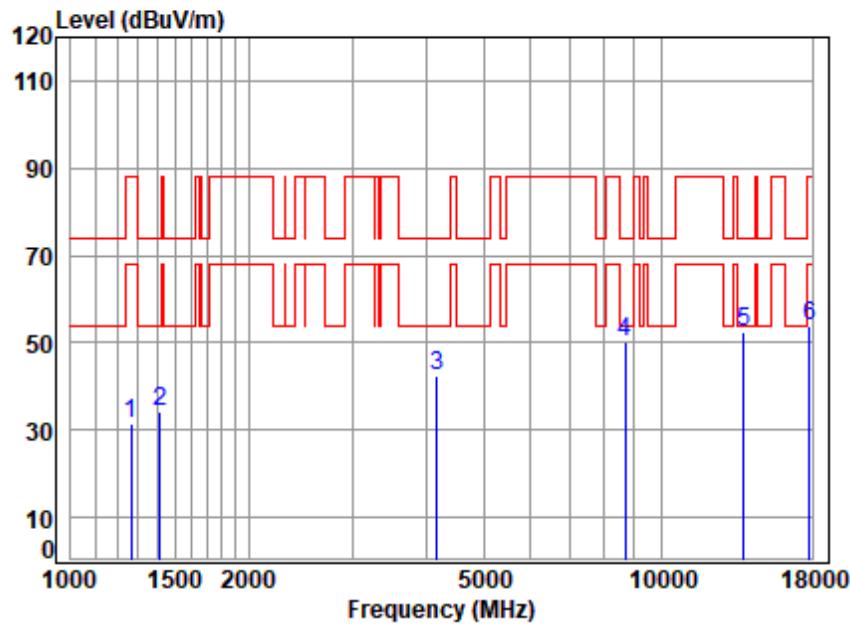
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SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch Inspection & Testing Services Laboratory

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



Site : chamber
 Condition: 3m VERTICAL
 Job No : 01769AT
 Mode : 6885 TX RSE
 Note : 6E WIFI 11AX40

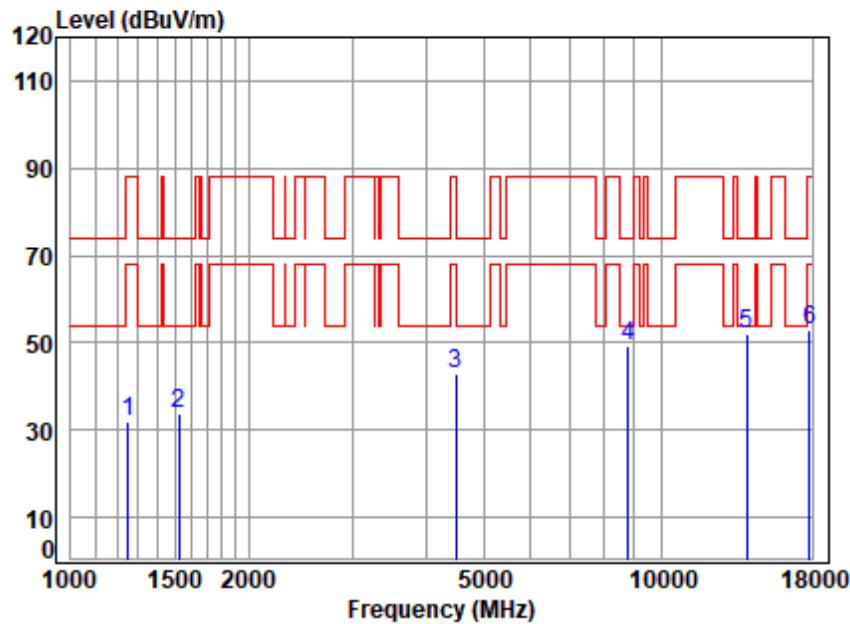
Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	Freq	Loss	Factor	Factor			
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1263.80	2.75	25.24	37.20	40.69	31.48	88.20 -56.72 peak
2	1414.60	2.95	25.54	36.76	42.71	34.44	74.00 -39.56 peak
3	4169.70	6.53	32.74	34.61	37.86	42.52	74.00 -31.48 peak
4	8688.48	9.96	36.63	35.18	38.59	50.00	74.00 -24.00 peak
5	13770.00	12.92	39.61	36.20	36.03	52.36	74.00 -21.64 peak
6	17793.09	14.54	43.78	36.46	31.84	53.70	88.20 -34.50 peak

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



Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 01769AT
 Mode : 6965 TX RSE
 Note : 6E WIFI 11AX40

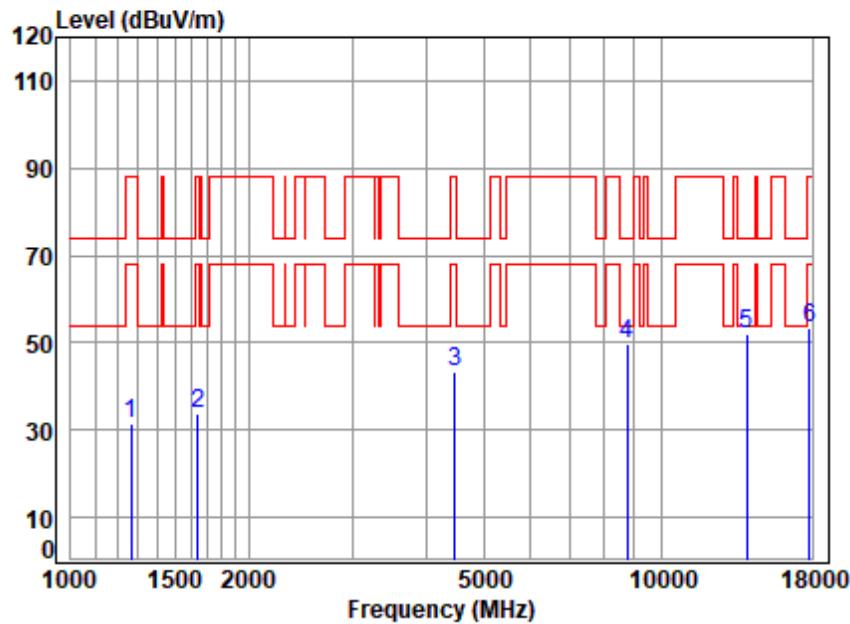
Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	Loss	Factor	Factor	Level			
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 1249.27	2.73	25.20	37.25	41.04	31.72	88.20	-56.48 peak
2 1525.00	3.10	25.83	36.46	41.28	33.75	74.00	-40.25 peak
3 4495.13	6.76	33.00	34.51	37.51	42.76	88.20	-45.44 peak
4 8789.52	10.05	36.75	35.12	37.54	49.22	74.00	-24.78 peak
5 q 13930.00	12.94	40.02	36.20	35.39	52.15	74.00	-21.85 peak
6 17844.59	14.56	43.94	36.43	30.76	52.83	88.20	-35.37 peak

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



Site : chamber
 Condition: 3m VERTICAL
 Job No : 01769AT
 Mode : 6965 TX RSE
 Note : 6E WIFI 11AX40

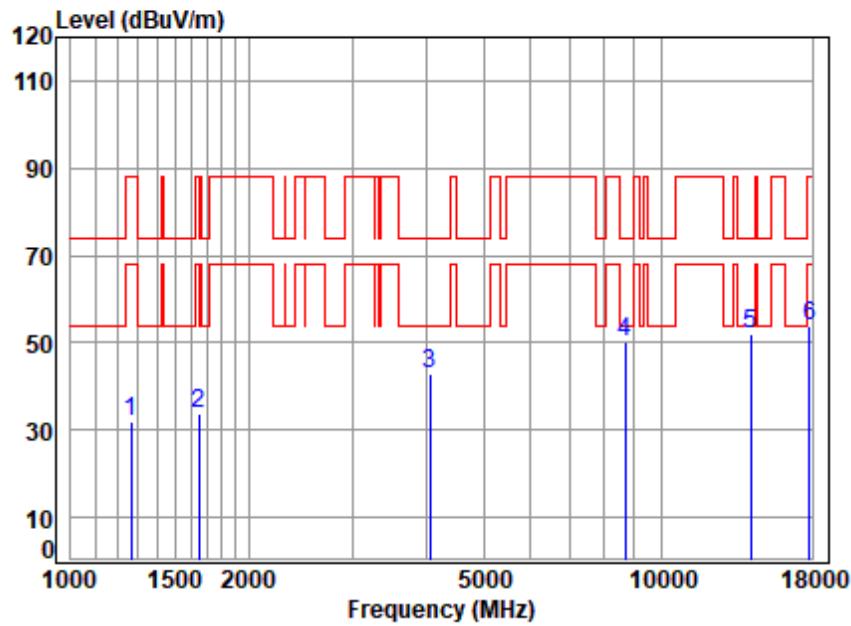
Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Factor			
1	1267.45	2.75	25.24	37.19	40.89	31.69	88.20 -56.51 peak
2	1639.27	3.25	26.41	36.18	40.11	33.59	88.20 -54.61 peak
3	4469.21	6.74	32.98	34.52	38.21	43.41	88.20 -44.79 peak
4	8738.85	10.00	36.69	35.15	38.39	49.93	74.00 -24.07 peak
5	13930.00	12.94	40.02	36.20	35.27	52.03	74.00 -21.97 peak
6	17844.59	14.56	43.94	36.43	31.09	53.16	88.20 -35.04 peak

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



Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 01769AT
 Mode : 7085 TX RSE
 Note : 6E WIFI 11AX40

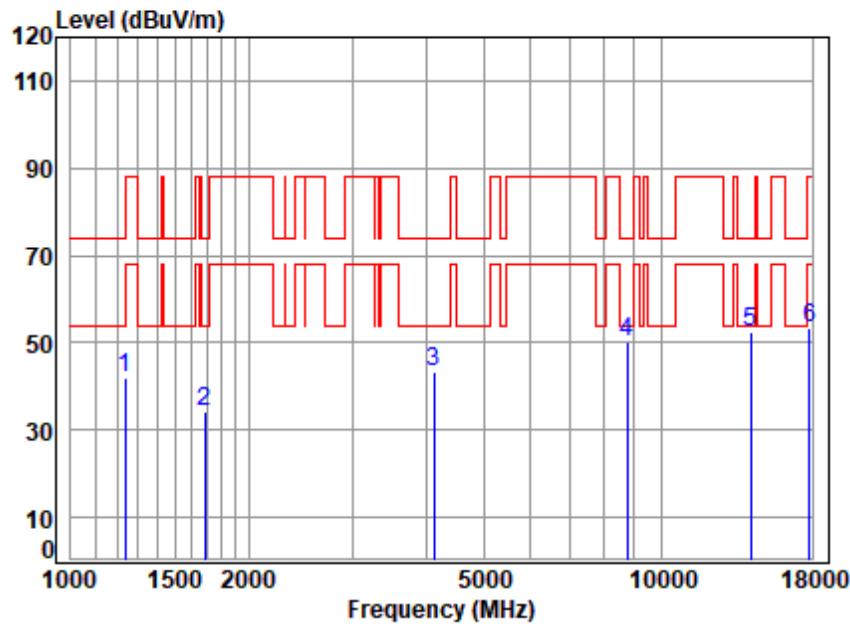
Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	Loss	Factor	Factor	Level			
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 1263.80	2.75	25.24	37.20	40.98	31.77	88.20	-56.43 peak
2 1648.78	3.27	26.46	36.16	40.19	33.76	88.20	-54.44 peak
3 4050.90	6.45	32.64	34.64	38.54	42.99	74.00	-31.01 peak
4 8688.48	9.96	36.63	35.18	38.61	50.02	74.00	-23.98 peak
5 q 14170.00	12.91	40.51	36.22	35.04	52.24	74.00	-21.76 peak
6 17844.59	14.56	43.94	36.43	31.59	53.66	88.20	-34.54 peak

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



Site : chamber
 Condition: 3m VERTICAL
 Job No : 01769AT
 Mode : 7085 TX RSE
 Note : 6E WIFI 11AX40

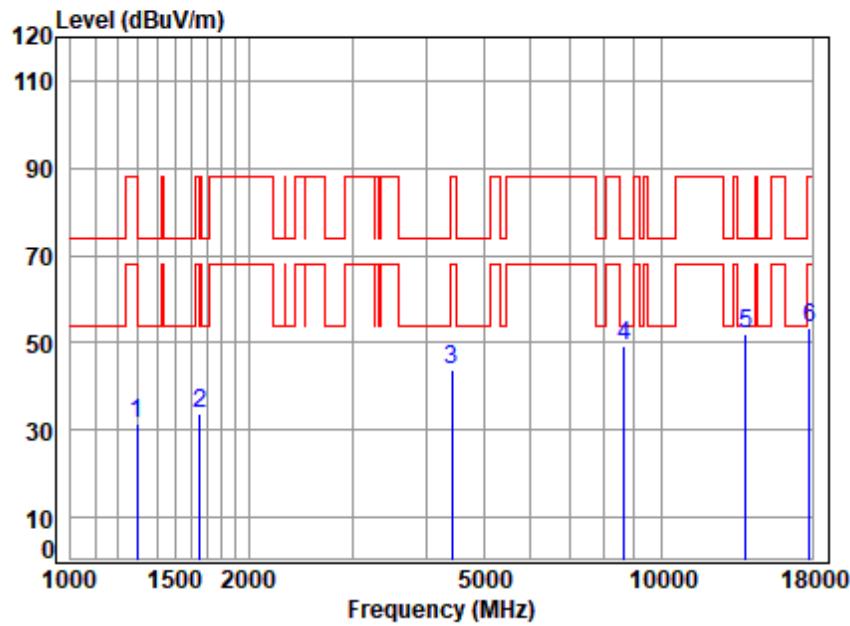
Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	Loss	Factor	Factor	Level			
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 1238.48	2.71	25.18	37.28	51.20	41.81	74.00	-32.19 peak
2 1687.35	3.32	26.64	36.07	40.35	34.24	74.00	-39.76 peak
3 4121.77	6.50	32.70	34.62	38.62	43.20	74.00	-30.80 peak
4 8764.15	10.03	36.72	35.14	38.76	50.37	74.00	-23.63 peak
5 q 14170.00	12.91	40.51	36.22	35.40	52.60	74.00	-21.40 peak
6 17793.09	14.54	43.78	36.46	31.34	53.20	88.20	-35.00 peak

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



Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 01769AT
 Mode : 6945 TX RSE
 Note : 6E WIFI 11AX80

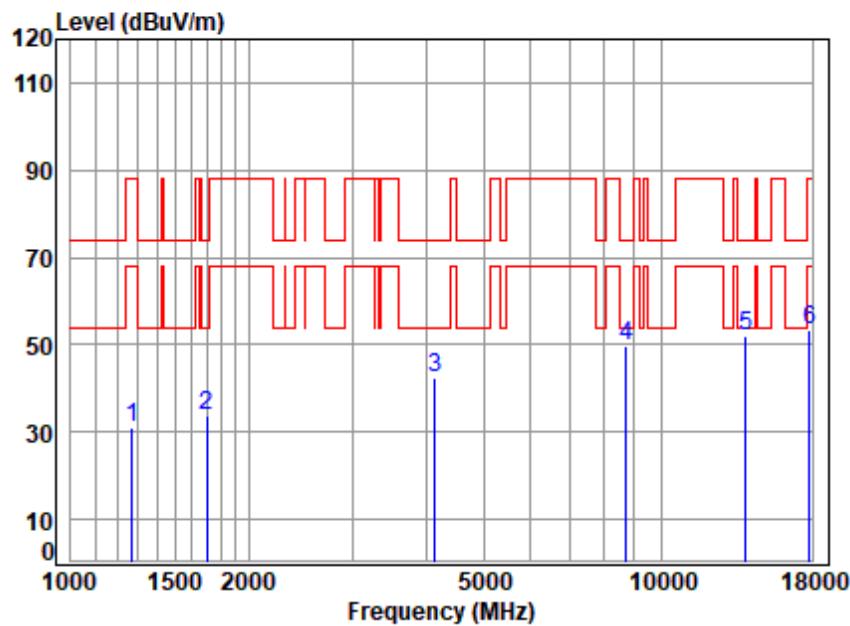
Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Factor			
1	1297.10	2.79	25.31	37.10	40.57	31.57	88.20 -56.63 peak
2	1653.55	3.27	26.48	36.15	40.25	33.85	88.20 -54.35 peak
3	4417.84	6.71	32.94	34.54	38.88	43.99	88.20 -44.21 peak
4	8663.40	9.93	36.60	35.20	38.00	49.33	74.00 -24.67 peak
5	13890.00	12.93	39.92	36.20	35.32	51.97	74.00 -22.03 peak
6	17844.59	14.56	43.94	36.43	31.41	53.48	88.20 -34.72 peak

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



Site : chamber
 Condition: 3m VERTICAL
 Job No : 01769AT
 Mode : 6945 TX RSE
 Note : 6E WIFI 11AX80

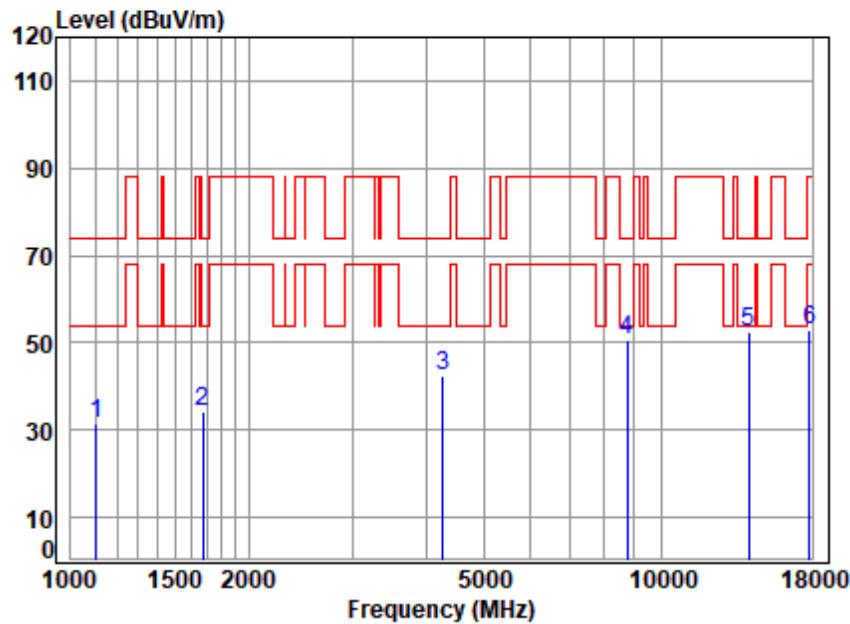
Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	Freq	Loss	Factor	Factor			
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1271.12	2.76	25.25	37.18	40.33	31.16	88.20 -57.04 peak
2	1697.13	3.33	26.69	36.04	39.93	33.91	74.00 -40.09 peak
3	4133.70	6.50	32.71	34.62	38.03	42.62	74.00 -31.38 peak
4	8713.63	9.98	36.66	35.17	38.08	49.55	74.00 -24.45 peak
5	13890.00	12.93	39.92	36.20	35.45	52.10	74.00 -21.90 peak
6	17793.09	14.54	43.78	36.46	31.65	53.51	88.20 -34.69 peak

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



Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 01769AT
 Mode : 7025 TX RSE
 Note : 6E WIFI 11AX80

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Factor	Level	Level	
1	1103.26	2.53	24.87	37.73	41.75	31.42	74.00 -42.58 peak
2	1672.78	3.30	26.57	36.10	40.52	34.29	74.00 -39.71 peak
3	4267.24	6.60	32.82	34.58	37.71	42.55	74.00 -31.45 peak
4	8764.15	10.03	36.72	35.14	38.90	50.51	74.00 -23.49 peak
5	14050.00	12.93	40.29	36.21	35.60	52.61	74.00 -21.39 peak
6	17793.09	14.54	43.78	36.46	31.22	53.08	88.20 -35.12 peak

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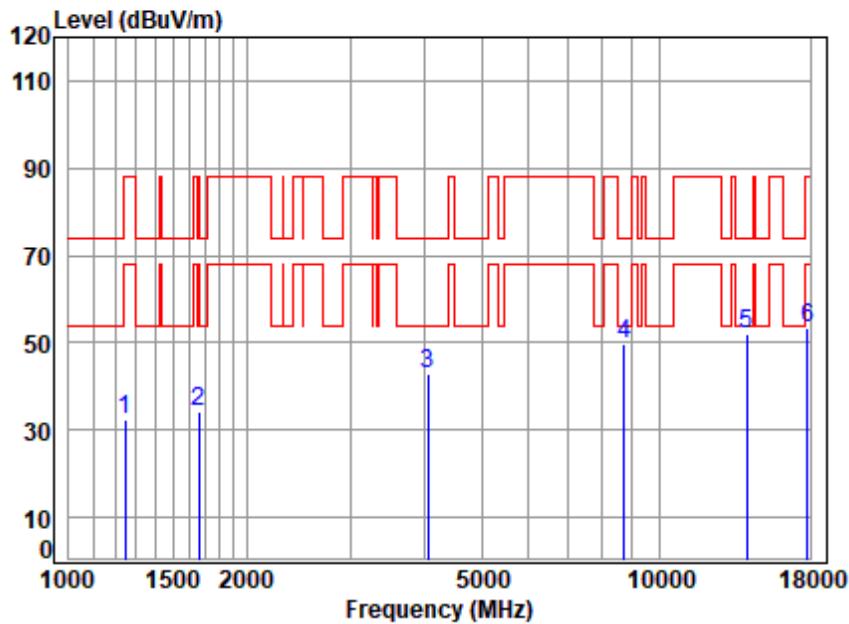
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Test Mode: 03; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:80MHz; Channel:High



Site : chamber
Condition: 3m VERTICAL
Job No : 01769AT
Mode : 7025 TX RSE
Note : 6E WIFI 11AX80

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	Loss	Factor	Factor	Level			
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 1245.66	2.72	25.20	37.26	41.67	32.33	88.20	-55.87 peak
2 1658.34	3.28	26.50	36.14	40.41	34.05	88.20	-54.15 peak
3 4062.63	6.45	32.65	34.64	38.31	42.77	74.00	-31.23 peak
4 8713.63	9.98	36.66	35.17	38.21	49.68	74.00	-24.32 peak
5 q 14050.00	12.93	40.29	36.21	35.12	52.13	74.00	-21.87 peak
6 17844.59	14.56	43.94	36.43	31.48	53.55	88.20	-34.65 peak

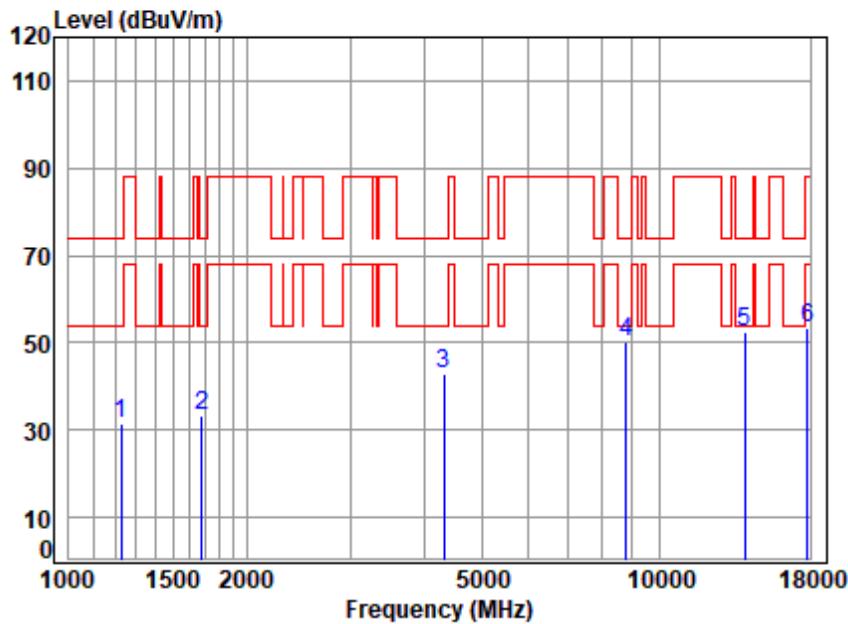
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Test Mode: 03; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:160MHz; Channel:middle



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01769AT
Mode : 6985 TX RSE
Note : 6E WIFI 11AX160

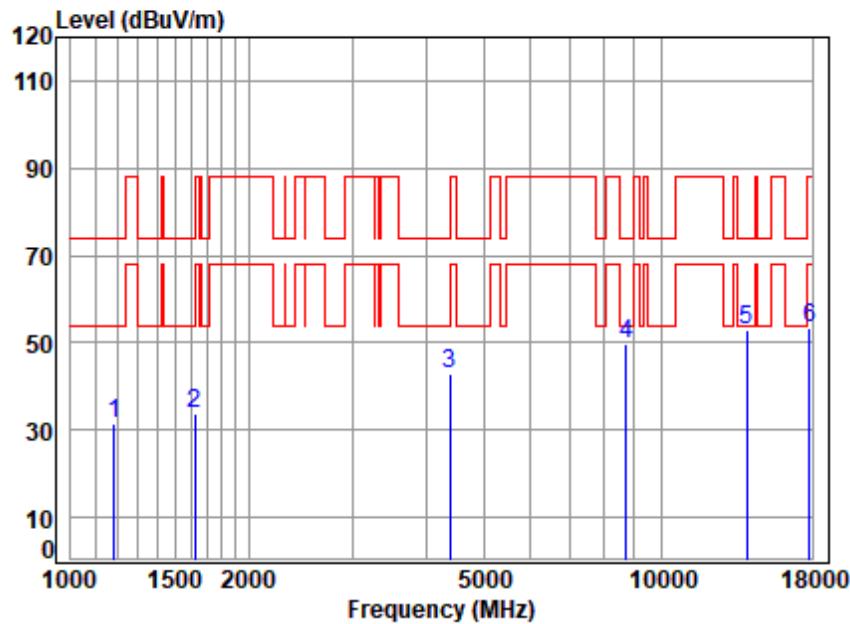
Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	Loss	Factor	Factor	Level			
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 1227.79	2.70	25.16	37.31	41.13	31.68	74.00	-42.32 peak
2 1677.62	3.30	26.59	36.09	39.52	33.32	74.00	-40.68 peak
3 4316.86	6.63	32.86	34.56	38.10	43.03	74.00	-30.97 peak
4 8789.52	10.05	36.75	35.12	38.62	50.30	74.00	-23.70 peak
5 q 13970.00	12.94	40.12	36.20	35.44	52.30	74.00	-21.70 peak
6 17844.59	14.56	43.94	36.43	31.52	53.59	88.20	-34.61 peak

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Test Mode: 03; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:160MHz; Channel:middle



Site : chamber

Condition: 3m VERTICAL

Job No : 01769AT

Mode : 6985 TX RSE

Note : 6E WIFI 11AX160

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	Loss	Factor	Factor	Level			
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 1182.51	2.64	25.05	37.46	41.15	31.38	74.00	-42.62 peak
2 1625.12	3.23	26.34	36.21	40.42	33.78	74.00	-40.22 peak
3 4392.38	6.69	32.92	34.54	37.78	42.85	74.00	-31.15 peak
4 8713.63	9.98	36.66	35.17	38.17	49.64	74.00	-24.36 peak
5 q 13970.00	12.94	40.12	36.20	35.87	52.73	74.00	-21.27 peak
6 17844.59	14.56	43.94	36.43	31.27	53.34	88.20	-34.86 peak

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7.10 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

Any emission outside the 5925-7125 MHz frequency band shall not exceed -27 dBm/MHz e.i.r.p. spectral density

For transmitters operating within the 5.925–7.125 GHz bands: Power spectral density must be suppressed by 20 dB at 1 MHz outside of channel edge, by 28 dB at one channel bandwidth from the channel center, and by 40 dB at one- and one-half times the channel bandwidth away from channel center. At frequencies between one megahertz outside an unlicensed device's channel edge and one channel bandwidth from the center of the channel, the limits must be linearly interpolated between 20 dB and 28 dB suppression, and at frequencies between one and one- and one-half times an unlicensed device's channel bandwidth, the limits must be linearly interpolated between 28 dB and 40 dB suppression. Emissions removed from the channel center by more than one- and one-half times the channel bandwidth must be suppressed by at least 40 dB.

7.10.1 E.U.T. Operation

Operating Environment:

Temperature: 21.7 °C Humidity: 57.4 % RH Atmospheric Pressure: 1000 mbar

7.10.2 Test Mode Description

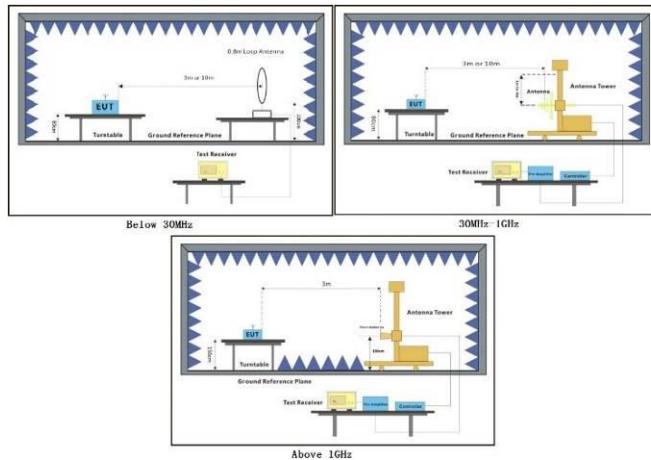
Pre-scan / Final test	Mode Code	Description
Final test	00	TX mode (U-NII-5) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found data rate @ MCS0 is the worst case of IEEE 802.11ax 20/40/80/160, Only the data of worst case is recorded in the report.
Final test	03	TX mode (U-NII-8) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ MCS0 is the worst case of IEEE 802.11ax 20/40/80/160, Only the data of worst case is recorded in the report.

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7.10.3 Test Setup Diagram**7.10.4 Measurement Procedure and Data**

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

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



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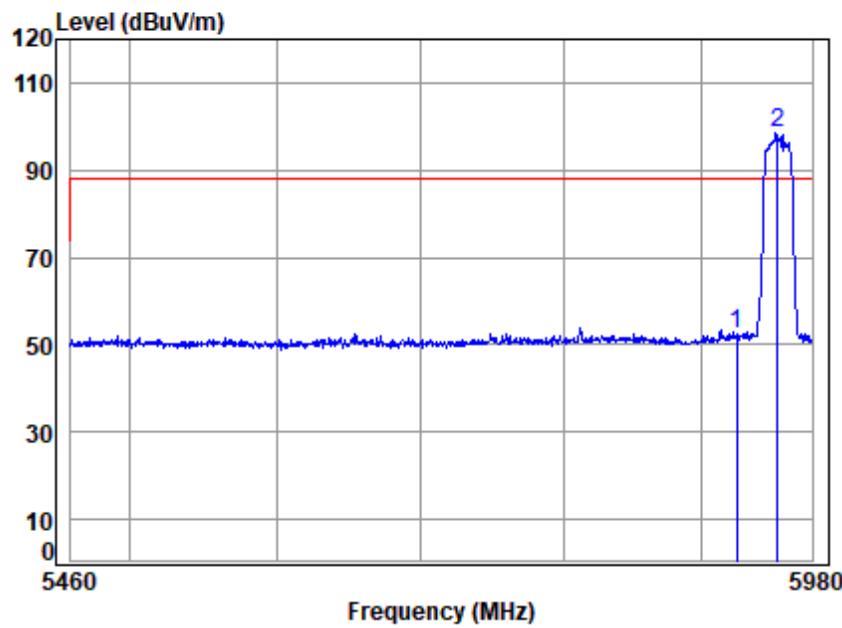
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Test Mode: 00; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01769AT
Mode : 5955 Band edge
Note : 6E WIFI 11AX20

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	Loss	Factor	Factor	Level			
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5925.00	8.11	34.54	34.60	44.26	52.31	88.20	-35.89 peak
2 q 5955.00	8.14	34.57	34.61	90.27	98.37	88.20	10.17 peak



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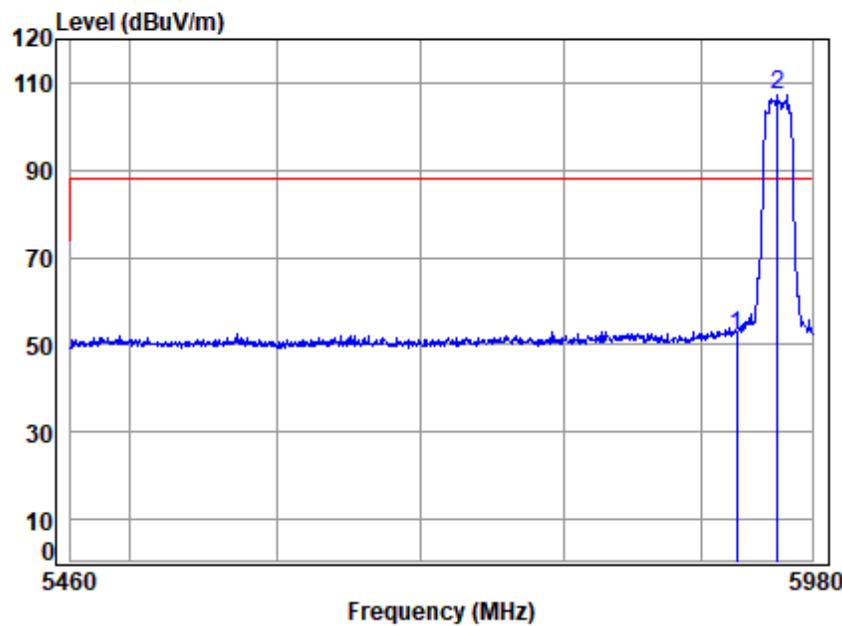
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Test Mode: 00; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:Low



Site : chamber

Condition: 3m VERTICAL

Job No : 01769AT

Mode : 5955 Band edge

Note : 6E WIFI 11AX20

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line dBuV/m	Over Limit	Over Line dB	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5925.00	8.11	34.54	34.60	44.02	52.07	88.20	-36.13	peak
2 q	5955.00	8.14	34.57	34.61	99.34	107.44	88.20	19.24	peak

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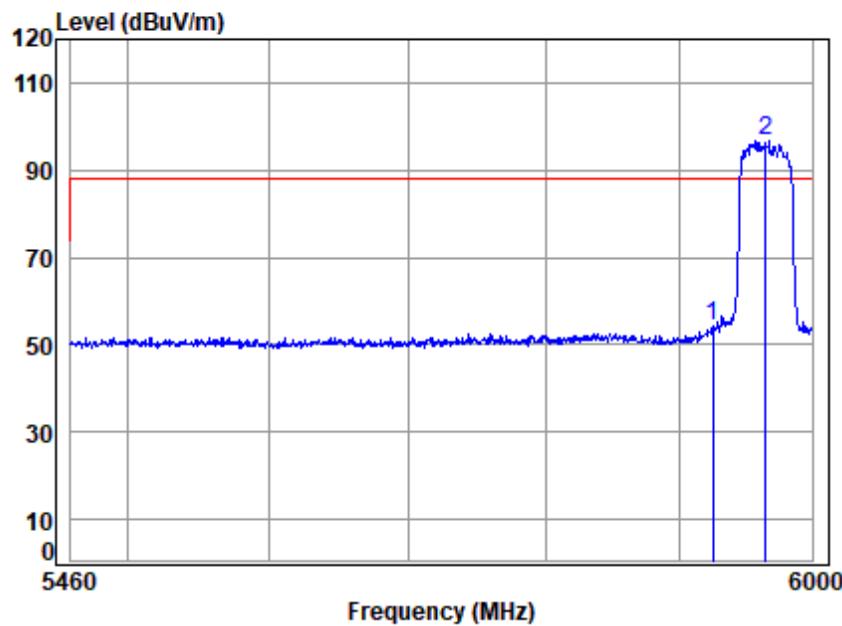
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Test Mode: 00; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01769AT
Mode : 5965 Band edge
Note : 6E WIFI 11AX40

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	Loss	Factor	Factor	Level			
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5925.00	8.11	34.54	34.60	46.37	54.42	88.20 -33.78 peak
2 q	5965.00	8.15	34.57	34.61	88.81	96.92	88.20 8.72 peak

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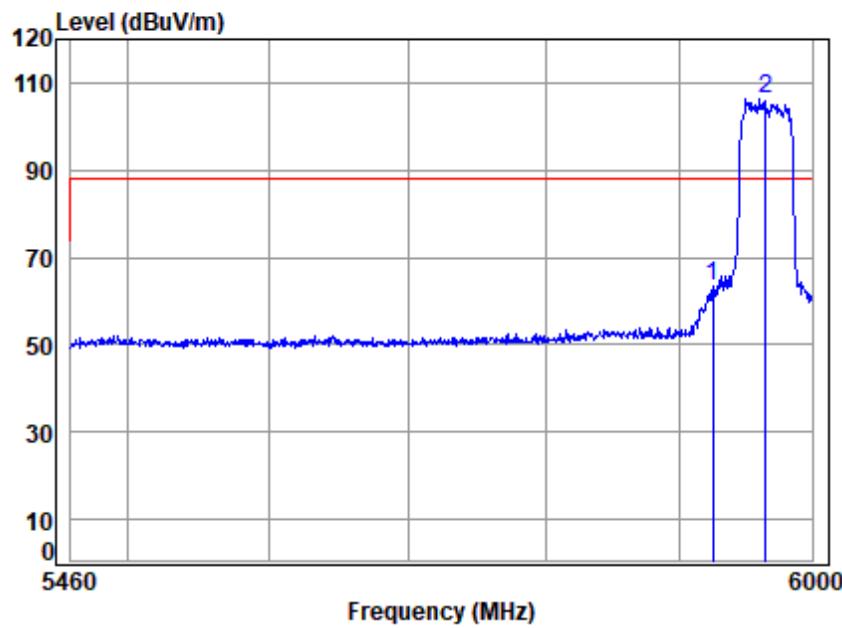
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Test Mode: 00; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:Low



Site : chamber

Condition: 3m VERTICAL

Job No : 01769AT

Mode : 5965 Band edge

Note : 6E WIFI 11AX40

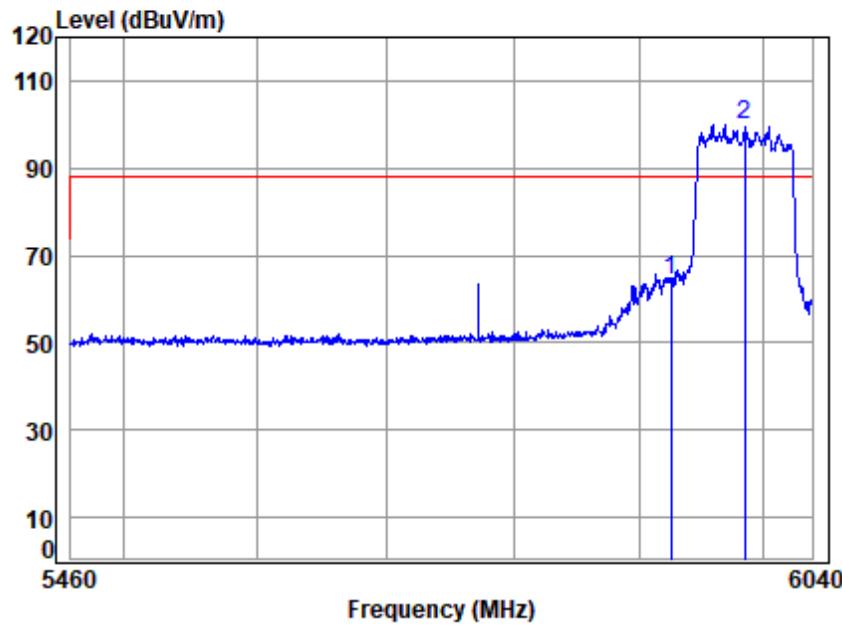
Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	Loss	Factor	Factor	Level			
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5925.00	8.11	34.54	34.60	55.30	63.35	88.20 -24.85 peak
2 q	5965.00	8.15	34.57	34.61	98.42	106.53	88.20 18.33 peak

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Test Mode: 00; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:80MHz; Channel:Low



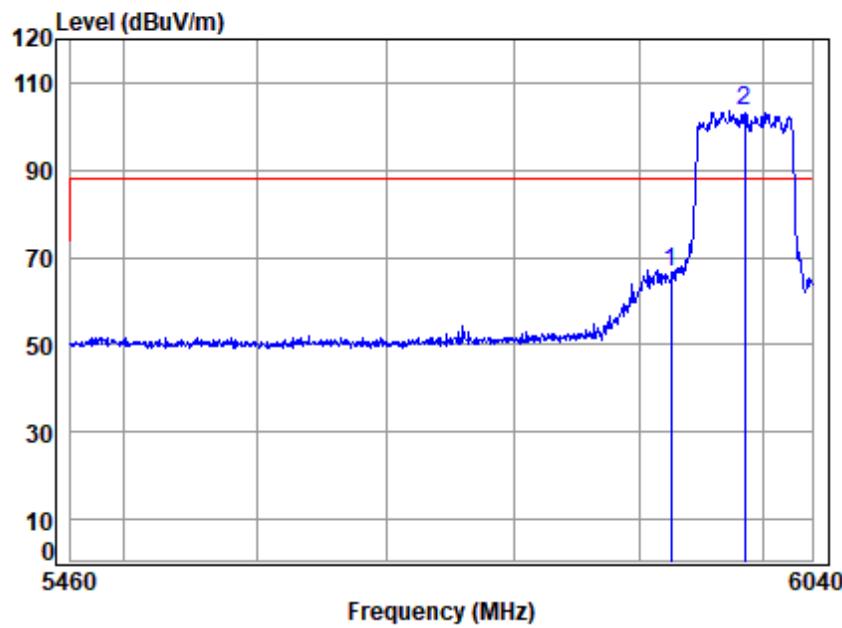
Site : chamber
Condition: 3m HORIZONTAL
Job No : 01769AT
Mode : 5985 Band edge
Note : 6E WIFI 11AX80

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line dBuV/m	Over Limit	Over Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5925.00	8.11	34.54	34.60	56.38	64.43	88.20	-23.77 peak
2 q	5985.00	8.17	34.59	34.62	91.60	99.74	88.20	11.54 peak

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Test Mode: 00; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:80MHz; Channel:Low



Site : chamber
Condition: 3m VERTICAL
Job No : 01769AT
Mode : 5985 Band edge
Note : 6E WIFI 11AX80

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	Loss	Factor	Factor	Level			
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5925.00	8.11	34.54	34.60	58.36	66.41	88.20 -21.79 peak
2 q	5985.00	8.17	34.59	34.62	95.44	103.58	88.20 15.38 peak



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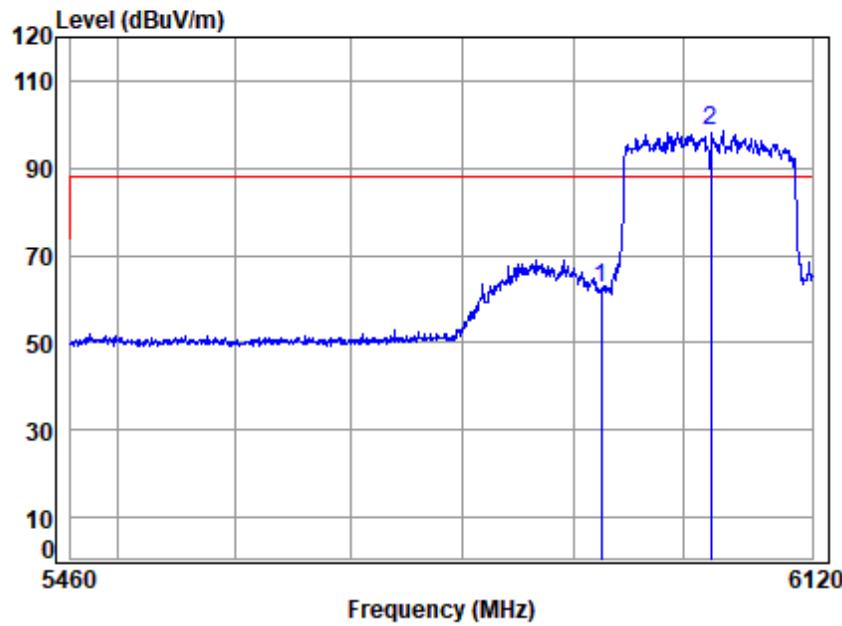
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Test Mode: 00; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:160MHz; Channel:Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01769AT
Mode : 6025 Band edge
Note : 6E WIFI 11AX160

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5925.00	8.11	34.54	34.60	54.42	62.47	88.20	-25.73 peak
2 q	6025.00	8.19	34.60	34.64	90.18	98.33	88.20	10.13 peak

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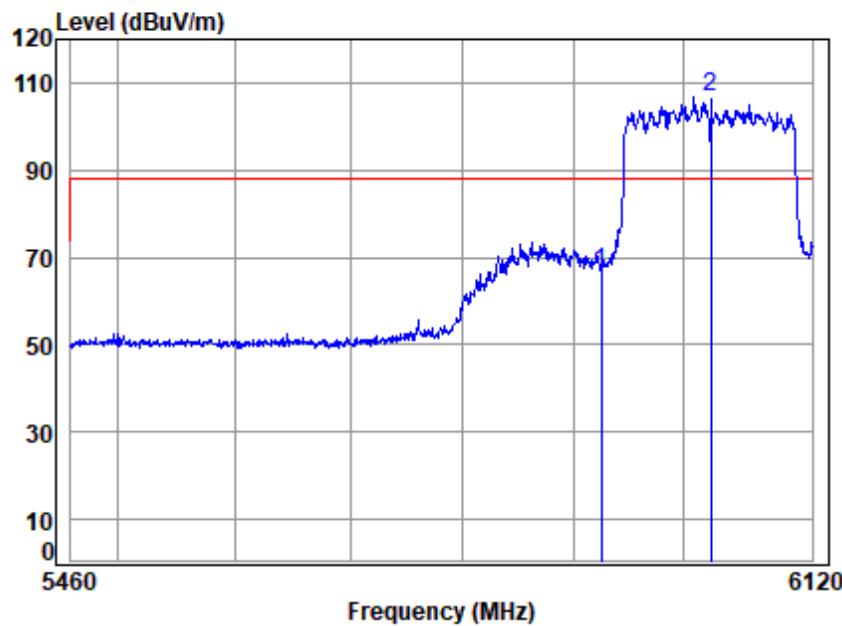
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Test Mode: 00; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:160MHz; Channel:Low



Site : chamber
Condition: 3m VERTICAL
Job No : 01769AT
Mode : 6025 Band edge
Note : 6E WIFI 11AX160

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	Loss	Factor	Factor	Level			
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5925.00	8.11	34.54	34.60	58.76	66.81	88.20 -21.39 peak
2 q	6025.00	8.19	34.60	34.64	98.58	106.73	88.20 18.53 peak

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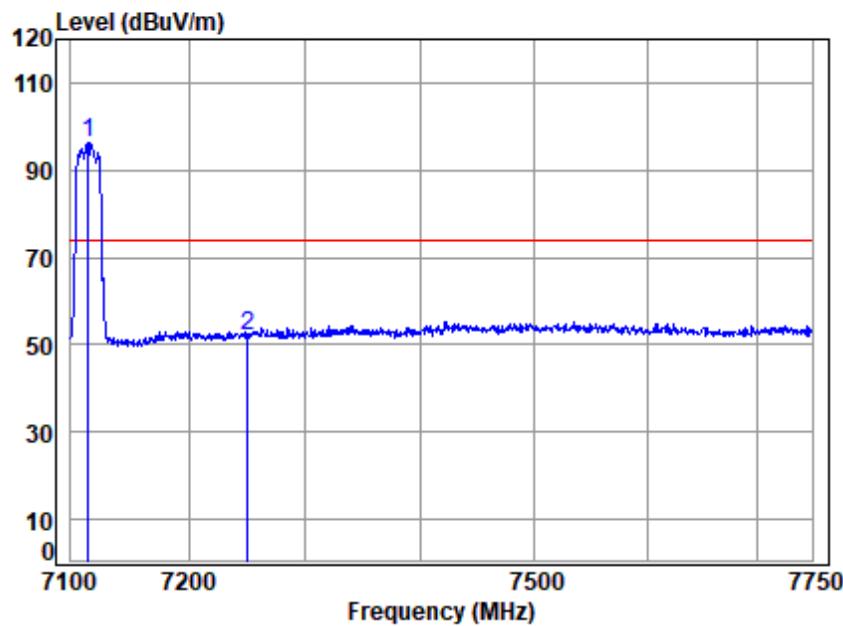
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Test Mode: 03; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:High



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01769AT
Mode : 7115 Band edge
Note : 6E WIFI 11A20

	Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
		Loss	Factor	Factor	Level	Level	Line	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 q	7115.00	8.47	35.59	35.42	87.58	96.22	74.00	22.22 peak
2	7250.00	8.60	35.70	35.45	43.07	51.92	74.00	-22.08 peak

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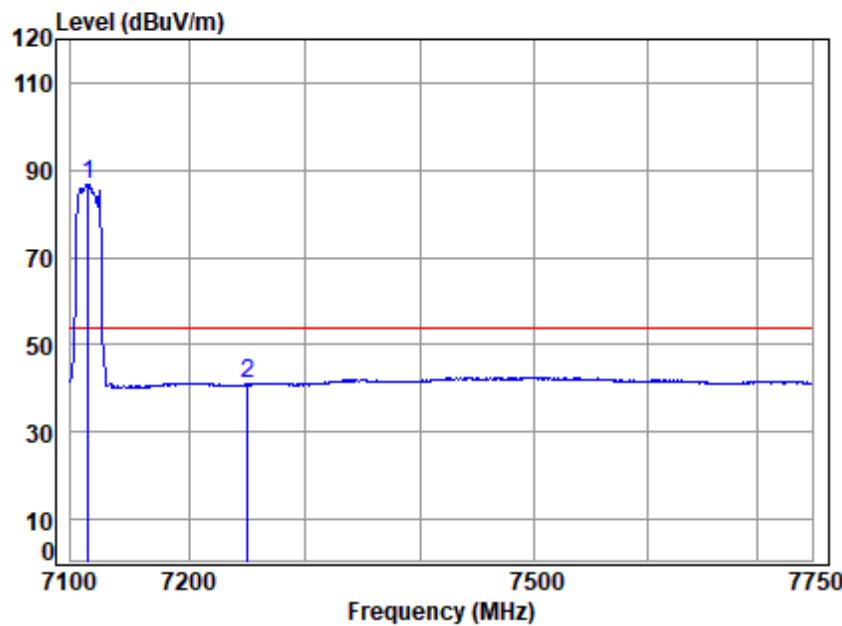
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Test Mode: 03; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:High



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01769AT
Mode : 7115 Band edge
Note : 6E WIFI 11A20

Freq	Cable Loss	Ant Factor	Preamp Factor	Read	Limit Line	Over Limit	Remark	
				Level				
MHz	dB	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB
1 q	7115.00	8.47	35.59	35.42	78.24	86.88	54.00	32.88 Average
2	7250.00	8.60	35.70	35.45	32.11	40.96	54.00	-13.04 Average



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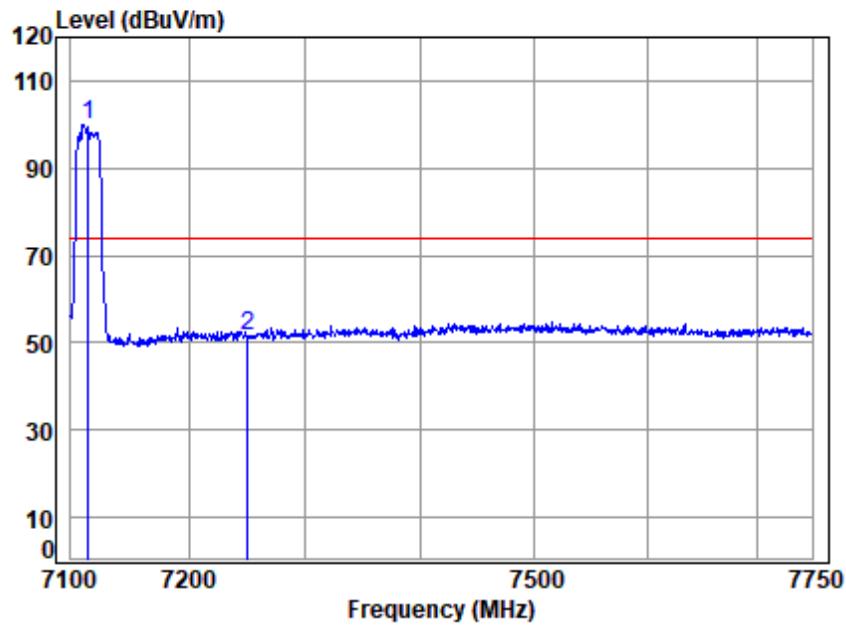
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Test Mode: 03; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:High



Site : chamber

Condition: 3m VERTICAL

Job No : 01769AT

Mode : 7115 Band edge

Note : 6E WIFI 11A20

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	Loss	Factor	Factor	Level			
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 q 7115.00	8.47	35.59	35.42	91.49	100.13	74.00	26.13 Peak
2 7250.00	8.60	35.70	35.45	42.78	51.63	74.00	-22.37 Peak

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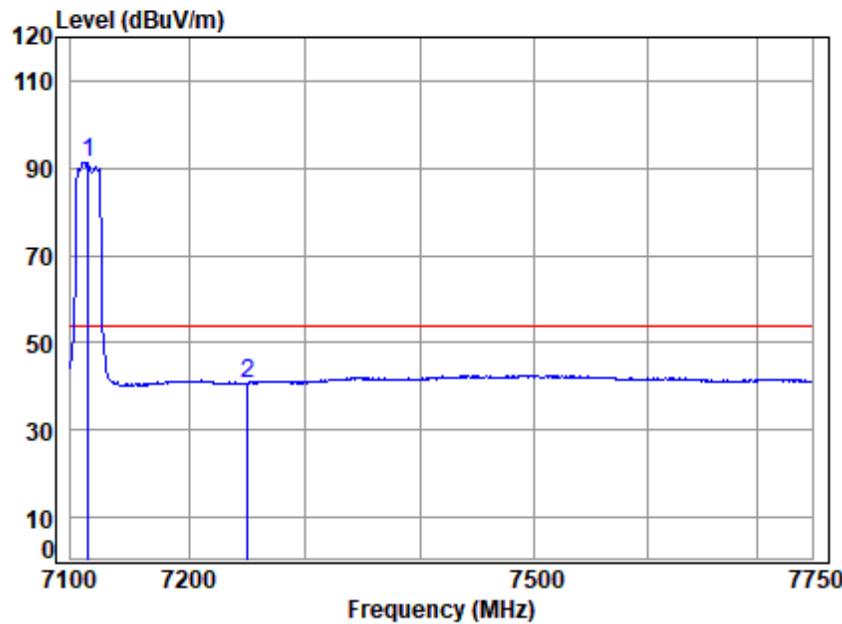
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Test Mode: 03; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:High



Site : chamber

Condition: 3m VERTICAL

Job No : 01769AT

Mode : 7115 Band edge

Note : 6E WIFI 11A20

Freq	Cable Loss	Ant Factor	Preamp Factor	Read	Limit Line	Over Limit	Remark	
				Level				
MHz	dB	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB
1 q	7115.00	8.47	35.59	35.42	82.79	91.43	54.00	37.43 Average
2	7250.00	8.60	35.70	35.45	31.93	40.78	54.00	-13.22 Average

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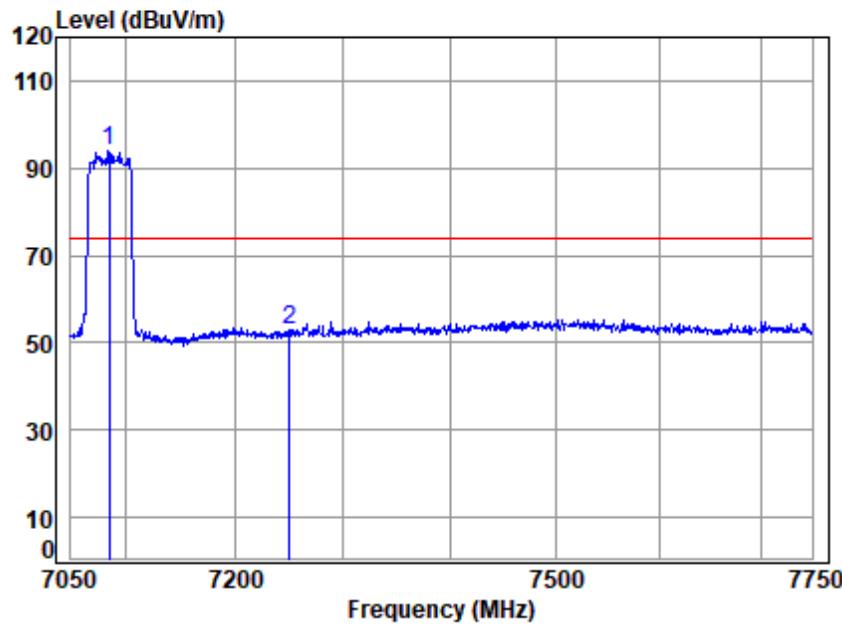


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Test Mode: 03; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:High



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01769AT
Mode : 7085 Band edge
Note : 6E WIFI 11A40

Freq	Cable Loss	Ant Factor	Preamp Factor	Read	Limit Line	Over Limit	Remark	
				Level				
MHz	dB	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB
1 q 7085.00	8.44	35.57	35.41	85.32	93.92	74.00	19.92	peak
2 7250.00	8.60	35.70	35.45	44.05	52.90	74.00	-21.10	peak

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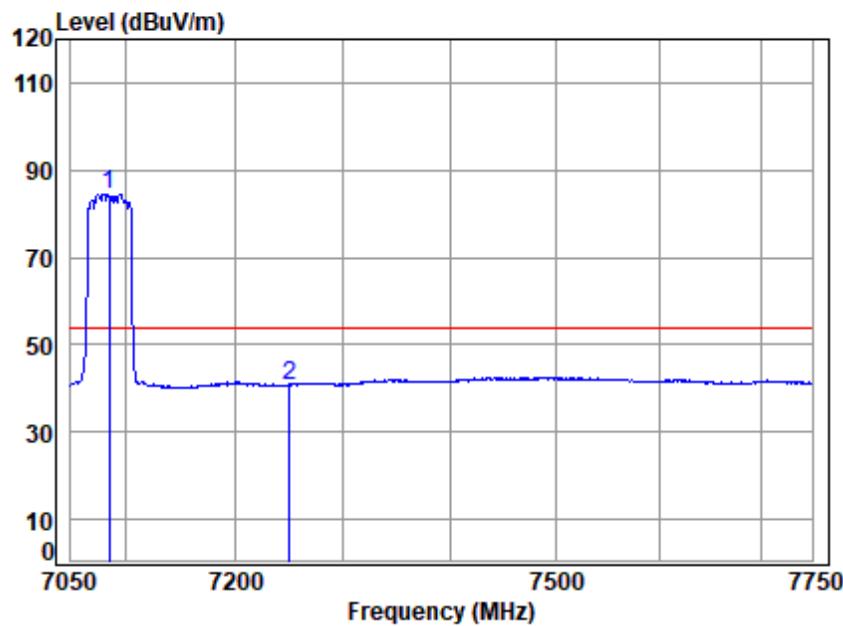
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Test Mode: 03; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:High



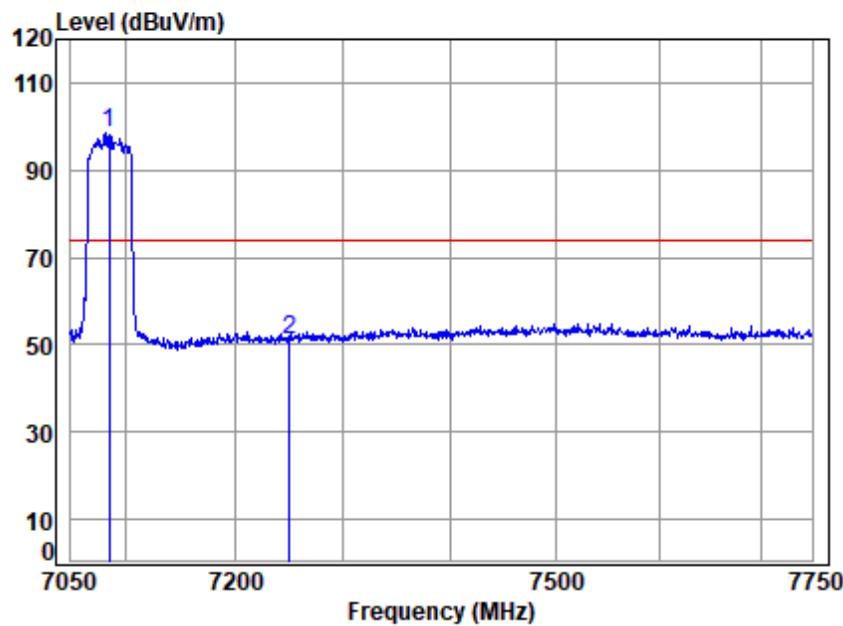
Site : chamber
Condition: 3m HORIZONTAL
Job No : 01769AT
Mode : 7085 Band edge
Note : 6E WIFI 11A40

Freq	Cable Loss	Ant Factor	Preamp Factor	Read	Limit Line	Over Limit	Remark	
				Level				
MHz	dB	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB
1 q 7085.00	8.44	35.57	35.41	75.99	84.59	54.00	30.59	Average
2 7250.00	8.60	35.70	35.45	31.95	40.80	54.00	-13.20	Average

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



Site : chamber

Condition: 3m VERTICAL

Job No : 01769AT

Mode : 7085 Band edge

Note : 6E WIFI 11A40

Freq	Cable Loss	Ant Factor	Preamp Factor	Read	Limit Line	Over Limit	Remark
				Level			
MHz	dB	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m
1 q 7085.00	8.44	35.57	35.41	89.88	98.48	74.00	24.48 Peak
2 7250.00	8.60	35.70	35.45	42.09	50.94	74.00	-23.06 Peak

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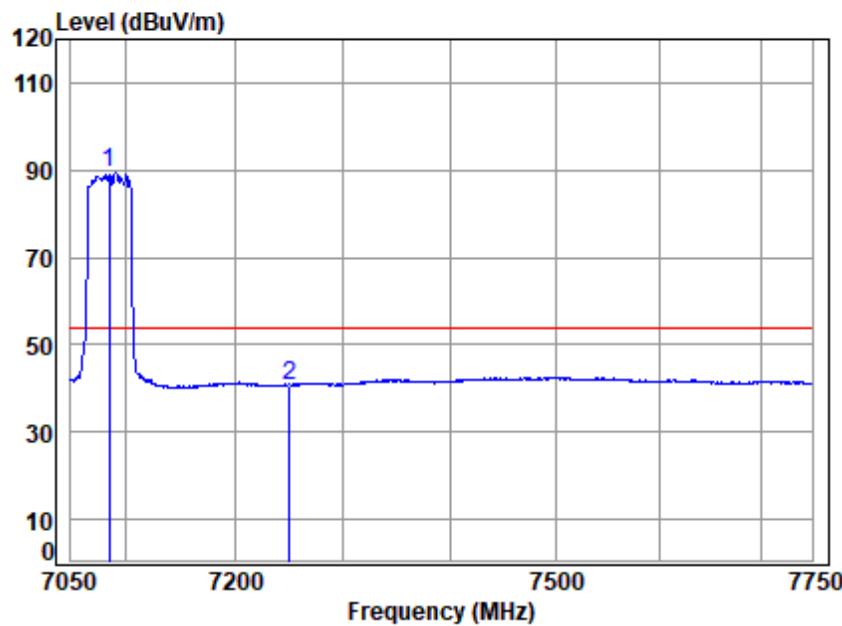
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Test Mode: 03; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:High



Site : chamber

Condition: 3m VERTICAL

Job No : 01769AT

Mode : 7085 Band edge

Note : 6E WIFI 11A40

Freq	Cable Loss	Ant Factor	Preamp Factor	Read	Limit Line	Over Limit	Remark		
				Level	Level	dBuV	dBuV/m	dBuV/m	dB
1 q	7085.00	8.44	35.57	35.41	80.91	89.51	54.00	35.51	Average
2	7250.00	8.60	35.70	35.45	31.80	40.65	54.00	-13.35	Average

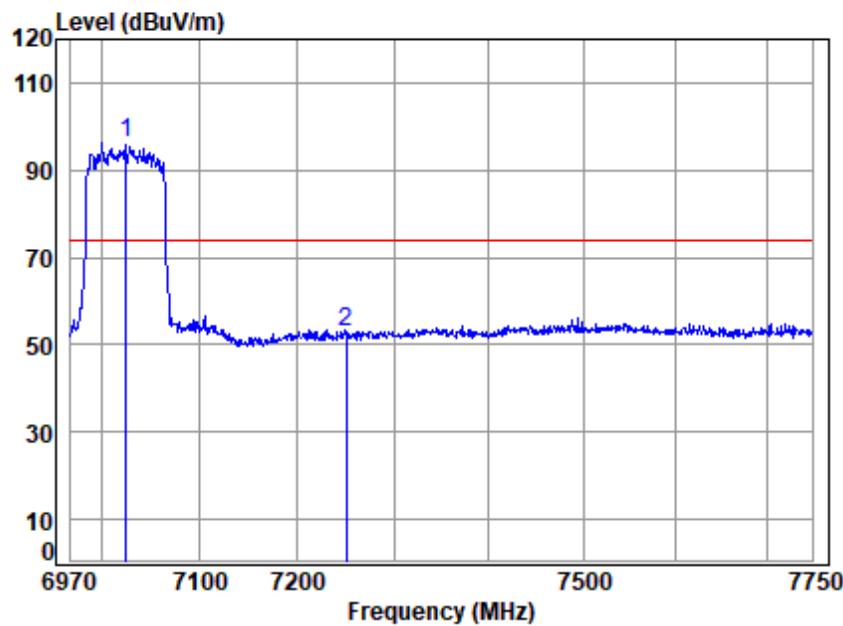
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Test Mode: 03; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:80MHz; Channel:High



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01769AT
Mode : 7025 Band edge
Note : 6E WIFI 11A80

Freq	Cable Loss	Ant Factor	Preamp Factor	Read	Limit Line	Over Limit	Remark
				Level			
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 q 7025.00	8.38	35.52	35.40	87.77	96.27	74.00	22.27 peak
2 7250.00	8.60	35.70	35.45	43.94	52.79	74.00	-21.21 peak

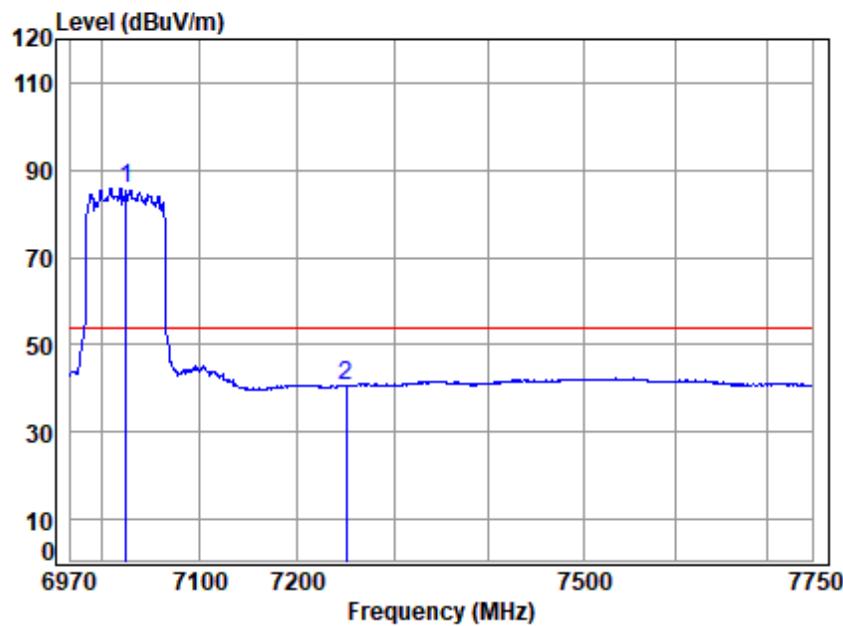


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Test Mode: 03; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:80MHz; Channel:High



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01769AT
Mode : 7025 Band edge
Note : 6E WIFI 11A80

Freq	Cable Loss	Ant Factor	Preamp Factor	Read	Limit Line	Over Limit	Remark
				Level			
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 q 7025.00	8.38	35.52	35.40	77.48	85.98	54.00	31.98 Average
2 7250.00	8.60	35.70	35.45	31.74	40.59	54.00	-13.41 Average

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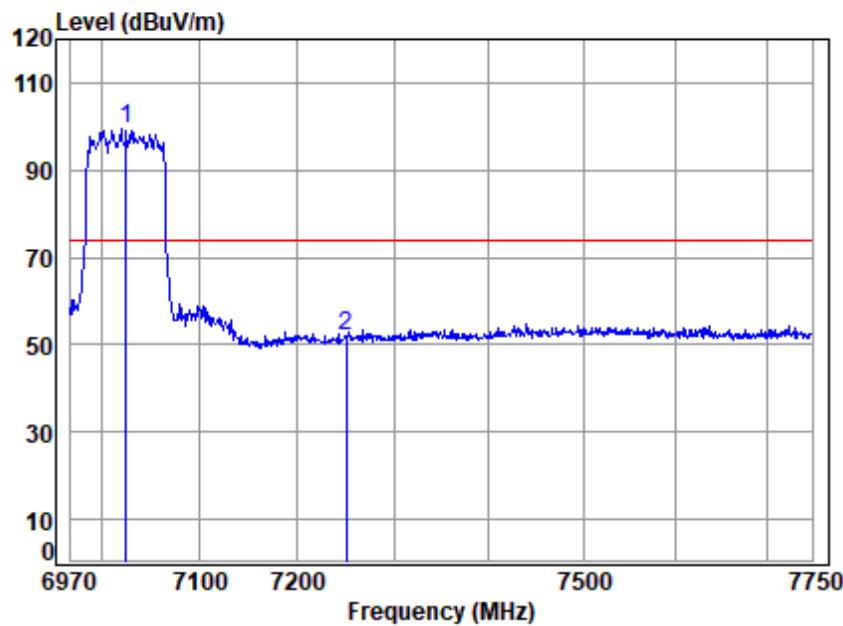
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Test Mode: 03; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:80MHz; Channel:High



Site : chamber

Condition: 3m VERTICAL

Job No : 01769AT

Mode : 7025 Band edge

Note : 6E WIFI 11A80

Freq	Cable Loss	Ant Factor	Preamp Factor	Read	Limit Line	Over Limit	Remark
				Level			
MHz	dB	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m
1 q 7025.00	8.38	35.52	35.40	91.19	99.69	74.00	25.69 Peak
2 7250.00	8.60	35.70	35.45	43.22	52.07	74.00	-21.93 Peak

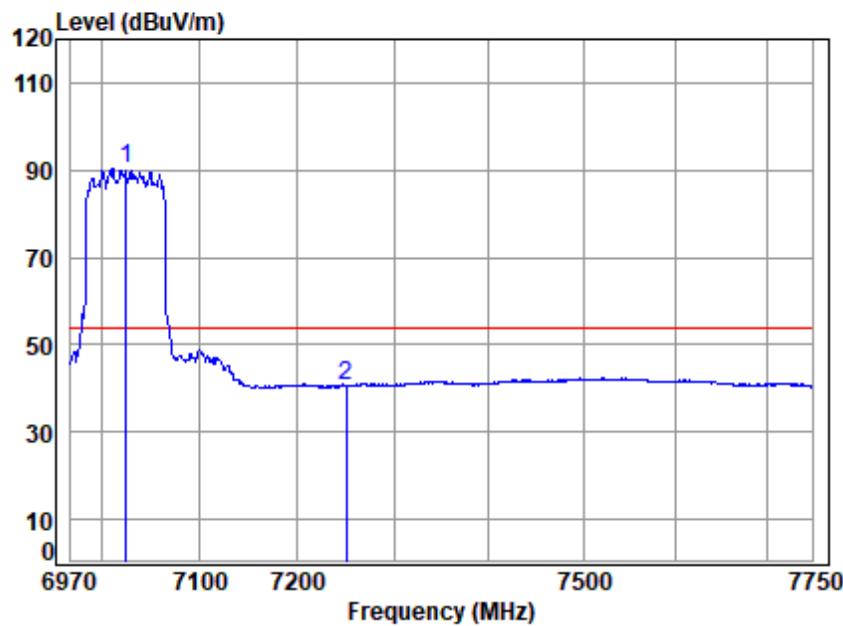


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Test Mode: 03; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:80MHz; Channel:High



Site : chamber

Condition: 3m VERTICAL

Job No : 01769AT

Mode : 7025 Band edge

Note : 6E WIFI 11A80

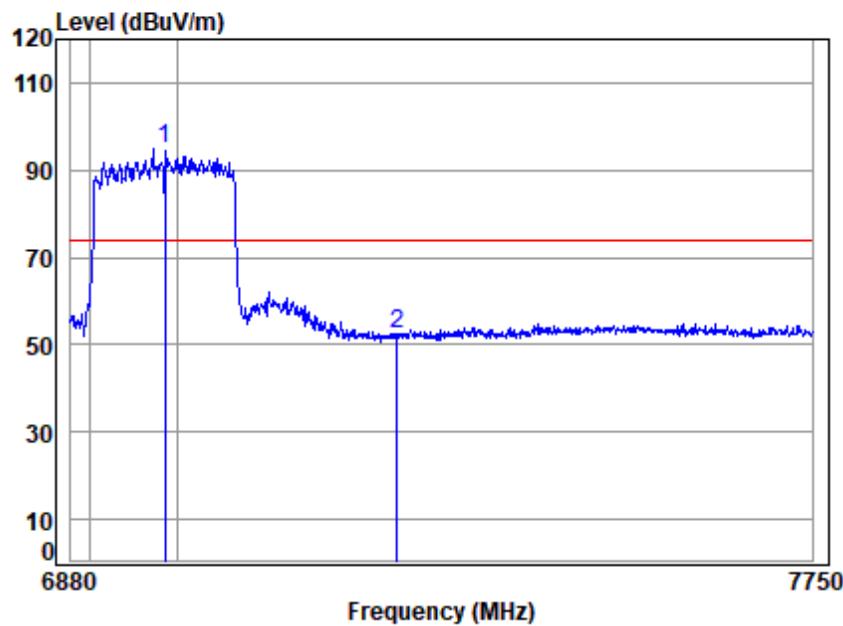
Freq	Cable Loss	Ant Factor	Preamp Factor	Read	Limit Line	Over Limit	Remark	
				Level				
MHz	dB	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB
1 q 7025.00	8.38	35.52	35.40	81.82	90.32	54.00	36.32	Average
2 7250.00	8.60	35.70	35.45	31.88	40.73	54.00	-13.27	Average

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Test Mode: 03; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:160MHz; Channel:High



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01769AT
Mode : 6985 Band edge
Note : 6E WIFI 11A160

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	Loss	Factor	Factor	Level			
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 q 6985.00	8.36	35.47	35.38	86.26	94.71	74.00	20.71 peak
2 7250.00	8.60	35.70	35.45	43.65	52.50	74.00	-21.50 peak

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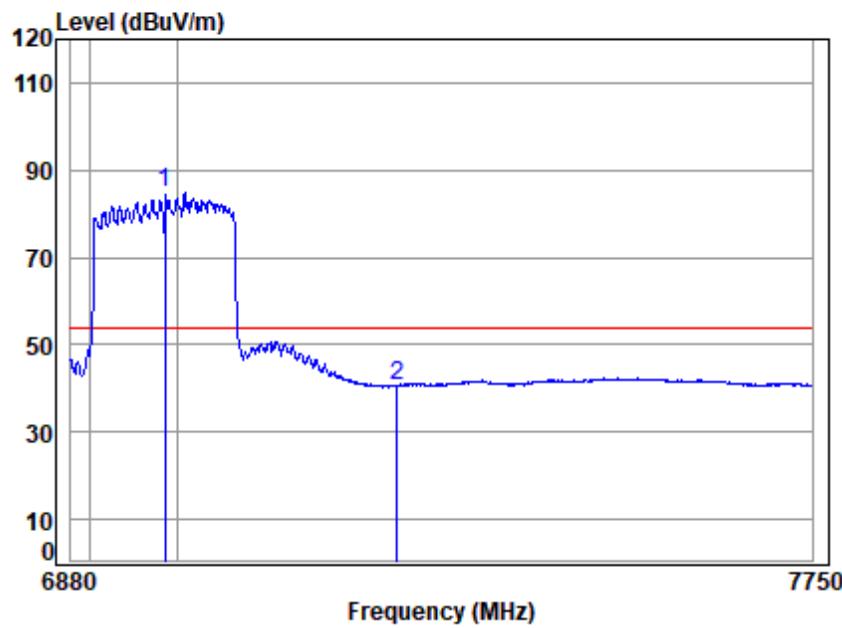
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Test Mode: 03; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:160MHz; Channel:High



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01769AT
Mode : 6985 Band edge
Note : 6E WIFI 11A160

Freq	Cable Loss	Ant Factor	Preamp Factor	Read	Limit Line	Over Limit	Remark
				Level			
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 q 6985.00	8.36	35.47	35.38	76.21	84.66	54.00	30.66 Average
2 7250.00	8.60	35.70	35.45	31.72	40.57	54.00	-13.43 Average

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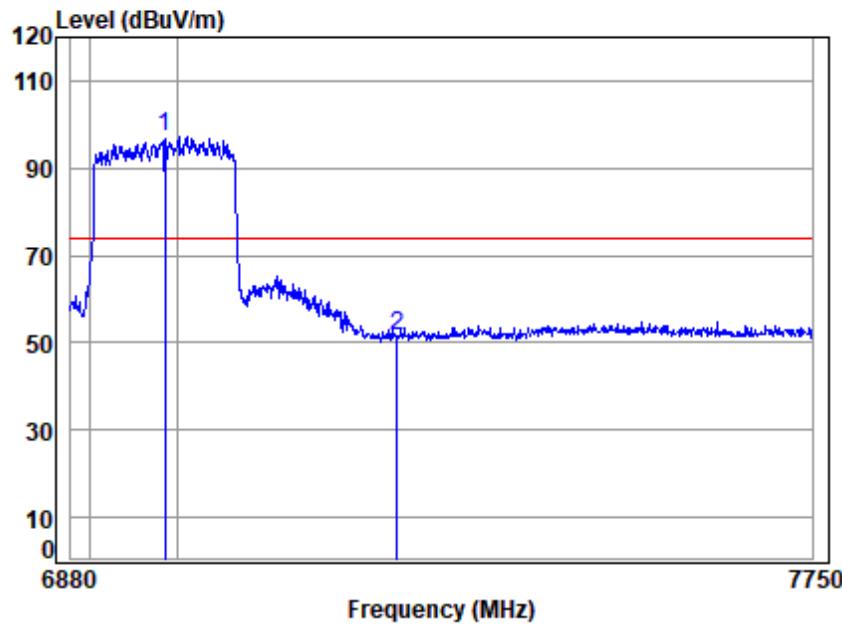
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Test Mode: 03; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:160MHz; Channel:High



Site : chamber
Condition: 3m VERTICAL
Job No : 01769AT
Mode : 6985 Band edge
Note : 6E WIFI 11A160

Freq	Cable Loss	Ant Factor	Preamp Factor	Read	Limit Line	Over Limit	Remark	
				Level				
MHz	dB	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB
1 q 6985.00	8.36	35.47	35.38	88.73	97.18	74.00	23.18	Peak
2 7250.00	8.60	35.70	35.45	42.87	51.72	74.00	-22.28	Peak

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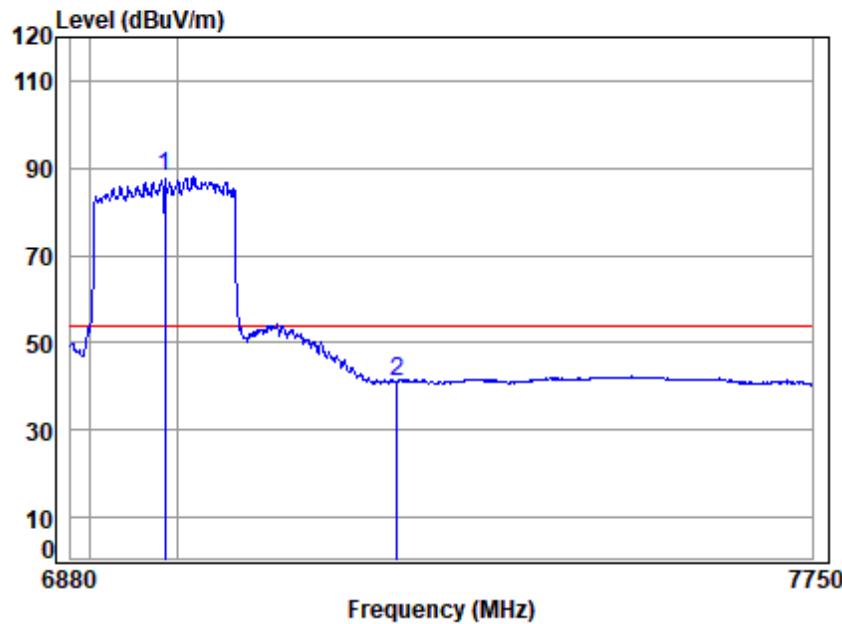
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Test Mode: 03; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:160MHz; Channel:High



Site : chamber
Condition: 3m VERTICAL
Job No : 01769AT
Mode : 6985 Band edge
Note : 6E WIFI 11A160

Freq	Cable Loss	Ant Factor	Preamp Factor	Read	Limit Line	Over Limit	Remark	
				Level				
MHz	dB	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB
1 q 6985.00	8.36	35.47	35.38	79.57	88.02	54.00	34.02	Average
2 7250.00	8.60	35.70	35.45	32.04	40.89	54.00	-13.11	Average

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7.11 Frequency Stability

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

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

7.11.1 E.U.T. Operation

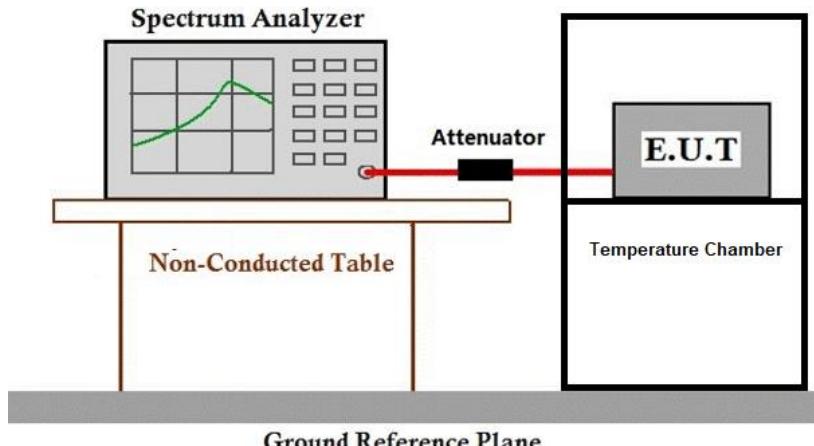
Operating Environment:

Temperature: 24.5 °C Humidity: 50.5 % RH Atmospheric Pressure: 1005 mbar

7.11.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	00	TX mode (U-NII-5) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found data rate @ MCS0 is the worst case of IEEE 802.11ax 20/40/80/160, Only the data of worst case is recorded in the report.
Final test	01	TX mode (U-NII-6) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ MCS0 is the worst case of IEEE 802.11ax 20/40/80/160, Only the data of worst case is recorded in the report.
Final test	02	TX mode (U-NII-7) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ MCS0 is the worst case of IEEE 802.11ax 20/40/80/160, Only the data of worst case is recorded in the report.
Final test	03	TX mode (U-NII-8) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ MCS0 is the worst case of IEEE 802.11ax 20/40/80/160, Only the data of worst case is recorded in the report.

7.11.3 Test Setup Diagram



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7.11.4 Measurement Procedure and Data

Please Refer to Appendix for Details



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7.12 Contention Based Protocol

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

Test Method: KDB 987597 D02

Limit:

Detect co-channel energy with 90% or greater certainty.

7.12.1 E.U.T. Operation

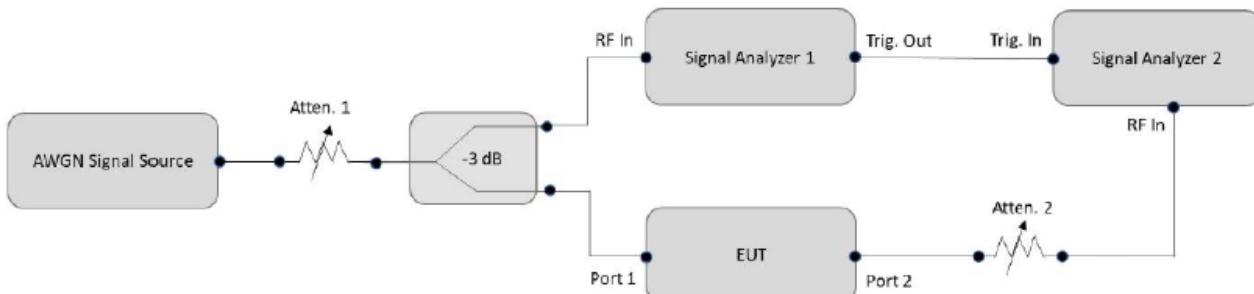
Operating Environment:

Temperature: 24.5 °C Humidity: 50.5 % RH Atmospheric Pressure: 1005 mbar

7.12.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	00	TX mode (U-NII-5) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found data rate @ MCS0 is the worst case of IEEE 802.11ax 20/40/80/160, Only the data of worst case is recorded in the report.
Final test	01	TX mode (U-NII-6) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ MCS0 is the worst case of IEEE 802.11ax 20/40/80/160, Only the data of worst case is recorded in the report.
Final test	02	TX mode (U-NII-7) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ MCS0 is the worst case of IEEE 802.11ax 20/40/80/160, Only the data of worst case is recorded in the report.
Final test	03	TX mode (U-NII-8) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ MCS0 is the worst case of IEEE 802.11ax 20/40/80/160, Only the data of worst case is recorded in the report.

7.12.3 Test Setup Diagram



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7.12.4 Measurement Procedure and Data

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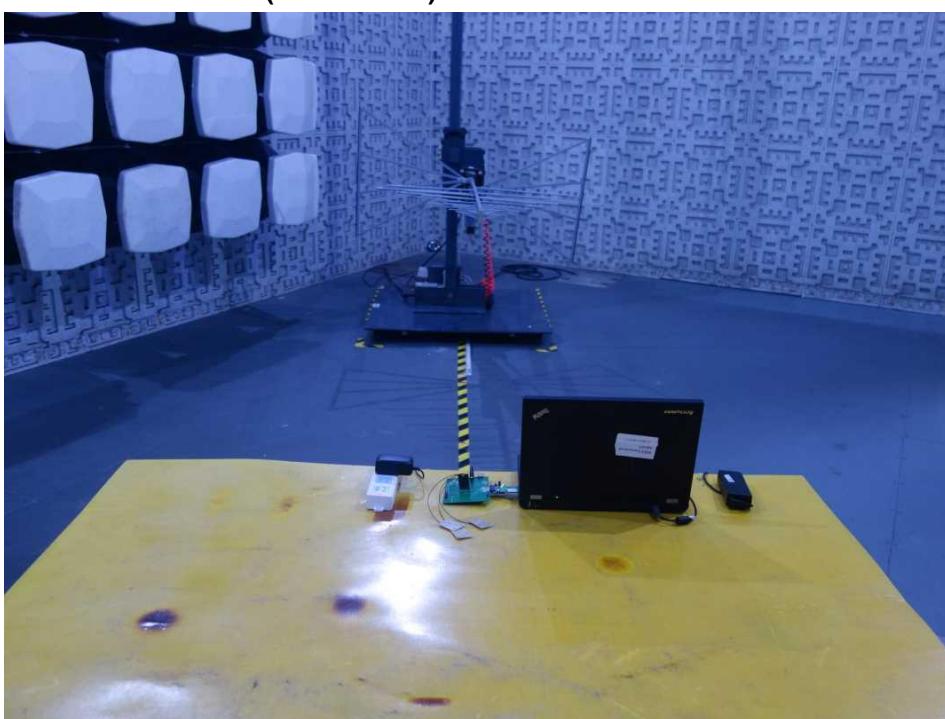
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8 Test Setup Photo

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



Radiated Emissions (Below 1GHz)



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Radiated Emissions (Above 1GHz)



Radiated Emissions which fall in the restricted bands



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9 EUT Constructional Details (EUT Photos)

Refer to Appendix – External and Internal Photos for EUT.

- End of the Report -



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