

Compliance Certification Services (Kunshan) Inc. Shenzhen Branch

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

Report No.: FYCR220800030403

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TEST REPORT

Application No.: FYCR2208000304AT
Applicant: Nokia Shanghai Bell Co., Ltd.
Address of Applicant: 388#, Ningqiao Road, China (Shanghai) Pilot Free Trade Zone, Shanghai 201206, China
Manufacturer: Nokia Solutions and Networks Oy
Address of Manufacturer: Karakaari 7 02610 Espoo Finland
Equipment Under Test (EUT):
EUT Name: Nokia FastMile 5G Gateway 2
Model No.: 5G18-01W-A
Trade Mark: Nokia
FCC ID: 2ADZR5G1801WA
Standard(s) : 47 CFR Part 15, Subpart E 15.407
Date of Receipt: 2022-08-08
Date of Test: 2022-08-16 to 2022-09-15
Date of Issue: 2022-09-15

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



Winkey Wang
EMC Technical Manager



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Revision Record				
Version	Chapter	Date	Modifier	Remark
01		2022-09-26		Original

Authorized for issue by:				
		Tree Zhan		
		Tree Zhan/Project Engineer		
		Winkey Wang		
		Winkey Wang/Reviewer		



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2 Test Summary

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

Radio Spectrum Matter Part				
Item	Standard	Method	Requirement	Result
Conducted Emissions at AC Power Line (150kHz-30MHz)	47 CFR Part 15, Subpart E 15.407	ANSI C63.10 (2013) Section 6.2	47 CFR Part 15, Subpart C 15.207 & Subpart E 15.407 b(9)	Pass
Duty Cycle		KDB 789033 II B 1	KDB 789033 D02 II B 1	Pass
99% Bandwidth		KDB 789033 II D	N/A	Pass
26dB Emission bandwidth		KDB 789033 D02 II C 1	47 CFR Part 15, Subpart E 15.407 (a)	Pass
Minimum 6 dB bandwidth (5.725-5.85 GHz band)		KDB 789033 D02 II C 2	47 CFR Part 15, Subpart E 15.407 (e)	Pass
Maximum Conducted output power		KDB 789033 D02 II E	47 CFR Part 15, Subpart E 15.407 (a)	Pass
Transmitter Power Control		KDB 789033 D02 II E	47 CFR Part 15, Subpart E 15.407 (h)(1)	Pass
Peak Power spectrum density		KDB 789033 D02 II F	47 CFR Part 15, Subpart E 15.407 (a)	Pass
Radiated Emissions (Below 1GHz)		KDB 789033 D02 II G	47 CFR Part 15, Subpart C 15.209 & Subpart E 15.407(b)	Pass
Radiated Emissions (Above 1GHz)		KDB 789033 D02 II G	47 CFR Part 15, Subpart C 15.209 & Subpart E 15.407(b)	Pass
Radiated Emissions which fall in the restricted bands		KDB 789033 D02 II G	47 CFR Part 15, Subpart C 15.209 & Subpart E 15.407(b)	Pass
Frequency Stability		ANSI C63.10 (2013) Section 6.8	47 CFR Part 15, Subpart E 15.407 (g)	Pass
Non-occupancy period		KDB 905462 D02 Section 7.8.3	KDB 905462 D02 Section 5.1	Pass
Channel Availability Check Time		KDB 905462 D02 Section 7.8.2	KDB 905462 D02 Section 5.1	Pass



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Radio Spectrum Matter Part				
Item	Standard	Method	Requirement	Result
Channel Move Time		KDB 905462 D02 Section 7.8.3	KDB 905462 D02 Section 5.1	Pass
Channel Closing Transmission Time		KDB 905462 D02 Section 7.8.3	KDB 905462 D02 Section 5.1	Pass
U-NII Detection Bandwidth		KDB 905462 D02 Section 7.8.1	KDB 905462 D02 Section 5.1	Pass



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4 General Information

4.1 Details of E.U.T.

Power supply:	Powered by adapter AC/DC Adapter 1: Model: ADS-24FUA-12B 12024EPCU Input: AC 100-240V~50/60Hz 0.7A MAX Output: DC 12V 2.0A AC/DC Adapter 2: Model: RD1202000-C55-154MG Input: AC 100-240V~50/60Hz 1.0A MAX Output: DC 12V 2.0A
Hardware Version:	3TG02241Bxxx (x:A~Z)
Software Version:	5GGW2-OMNI-2_D220300B31T0301E0133
Operation Frequency (20MHz):	U-NII-1: 5180-5240MHz; U-NII-3: 5745-5825MHz
Operation Frequency (40MHz):	U-NII-1: 5190-5230MHz; U-NII-3: 5755-5795MHz
Operation Frequency (80MHz):	U-NII-1: 5210MHz; U-NII-3: 5775MHz
Moudulation Type:	802.11a: OFDM (64QAM, 16QAM, QPSK, BPSK); 802.11n: OFDM (BPSK, QPSK, 16QAM, 64QAM); 802.11ac: OFDM (BPSK, QPSK, 16QAM, 64QAM, 256QAM); 802.11ax: OFDM (BPSK, QPSK, 16QAM, 64QAM, 256QAM)
Channel Spacing:	802.11a/n20/ac20/ax20: 20MHz; 802.11n40/ac40/ax40: 40MHz; 802.11ac80/ax80: 80MHz
DFS Function:	Master
TPC Function:	Support TPC function
Antenna Type:	Dipole Antenna



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	Frequency (MHz)	TX Antenna gain (dBi)			
		W1	W2	Non- Beamforming gain	Beamforming gain
Antenna Gain:	5180	3.9	4.9	4.9	6.1
	5240	4.4	5.4	5.4	6.2
	5320	4.4	5.4	5.4	5.8
	5700	5.2	5.4	5.4	6
	5825	5.7	4.8	5.7	6.5
Remark:	Antenna gain is provided by the applicant.				
Antenna MPN:	ANT	MPN of 1st source		MPN of 2nd source	
	W1	VT-WF-1		N03NKACE-PK1-LE1X90BUR1	
	W2	VT-WF-2		N03NKACF-PK1-LW1X120BUR3	

Note:

1. For Beamforming mode, the antenna gain is equal to the Beamforming gain;
2. For non-Beamforming mode, the antenna gain is equal to the non-Beamforming gain;
3. 802.11a only supports non-Beamforming mode;
4. 802.11n(HT20)/ n(HT40)/ ac(HT20)/ac(HT40)/ ac(HT80)/ ax (HEW20)/ ax (HEW40) / ax (HEW80) supports non-Beamforming and Beamforming mode
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Power Level Setting _ Beamforming Mode:

Mode	Frequency (MHz)	Power level setting
802.11n-HT20	5180.00	16.00
	5200.00	18.00
	5240.00	16.00
	5745.00	21.00
	5785.00	24.00
	5825.00	21.00
802.11n-HT40	5190.00	14.00
	5230.00	14.00
	5755.00	16.00
	5795.00	16.00
802.11ac-VHT20	5180.00	16.00
	5200.00	18.00
	5240.00	16.00
	5745.00	21.00
	5785.00	24.00
	5825.00	21.00
802.11ac-VHT40	5190.00	14.00
	5230.00	14.00
	5755.00	16.00
	5795.00	16.00
802.11ac-VHT80	5210.00	14.00
	5775.00	16.00
802.11ax-HEW20	5180.00	16.00
	5200.00	17.50
	5240.00	16.00
	5745.00	21.00
	5785.00	24.00
	5825.00	21.00
802.11ax-HEW40	5190.00	14.00
	5230.00	14.00
	5755.00	16.00



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	5795.00	16.00
802.11ax-HEW80	5210.00	14.00
	5775.00	16.00

Power Level Setting _ non-Beamforming Mode:

Mode	Frequency (MHz)	Power level setting
802.11n-HT20	5180.00	16.00
	5200.00	18.00
	5240.00	16.00
	5745.00	21.00
	5785.00	24.00
	5825.00	21.00
802.11n-HT40	5190.00	14.00
	5230.00	14.00
	5755.00	16.00
	5795.00	16.00
802.11ac-VHT20	5180.00	16.00
	5200.00	18.00
	5240.00	16.00
	5745.00	21.00
	5785.00	24.00
	5825.00	21.00
802.11ac-VHT40	5190.00	14.00
	5230.00	14.00
	5270.00	10.50
	5755.00	16.00
	5795.00	16.00
802.11ac-VHT80	5210.00	14.00
	5775.00	16.00
802.11ax-HEW20	5180.00	16.00
	5200.00	17.50
	5240.00	16.00
	5745.00	21.00
	5785.00	24.00



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	5825.00	21.00
802.11ax-HEW40	5190.00	14.00
	5230.00	14.00
	5755.00	16.00
	5795.00	16.00
802.11ax-HEW80	5210.00	14.00
	5775.00	16.00
802.11a	5180.00	16.00
	5200.00	18.00
	5240.00	16.00
	5745.00	21.00
	5785.00	24.00
	5825.00	21.00



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4.2 Description of Support Units

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

4.3 Measurement Uncertainty

Test Item	Measurement Uncertainty
Conducted Emissions at AC Power Line (150kHz-30MHz)	± 2.1 dB (9kHz to 30MHz)
Duty Cycle	$\pm 0.3\%$
99% Bandwidth	$\pm 0.3\%$
26dB Emission bandwidth	$\pm 0.3\%$
Minimum 6 dB bandwidth (5.725-5.85 GHz band)	$\pm 0.3\%$
Maximum Conducted output power	± 0.8 dB
Peak Power spectrum density	± 0.4 dB
Radiated Emissions (Above 1GHz)	± 4.4 dB (Above 1GHz)
Radiated Emissions which fall in the restricted bands	± 4.4 dB (Above 1GHz)
Frequency Stability	$\pm 5.4 \times 10^{-8}$
Non-occupancy period	± 0.8 dB
Channel Availability Check Time	± 0.8 dB
Channel Move Time	± 0.8 dB
Channel Closing Transmission Time	± 0.8 dB
U-NII Detection Bandwidth	± 0.8 dB
Transmitter Power Control	± 0.8 dB
Radiated Emissions (Below 1GHz)	± 3.1 dB (Below 1GHz)

Remark:

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

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



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4.4 Test Location

All tests were performed at:

Compliance Certification Services (Kunshan) Inc. Shenzhen branch.

Fuyong lab. Xinlong TechnoPark, Fengtang Road, Fuyong Subdistrict, Bao'an, Shenzhen, China

Tel: +86 755 8866 3988 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. 6606.01)

Compliance Certification Services (Kunshan) Inc. Shenzhen branch is accredited by the American Association for Laboratory Accreditation (A2LA). Certificate No. 6606.01.

• FCC –Designation Number: CN1322

Compliance Certification Services (Kunshan) Inc. Shenzhen branch has been recognized as an accredited testing laboratory.

Designation Number: CN1322. Test Firm Registration Number: 718073

• Innovation, Science and Economic Development Canada

Compliance Certification Services (Kunshan) Inc. Shenzhen branch has been recognized by ISED as an accredited testing laboratory.

CAB identifier: CN0129.

IC#: 28189.

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	CRT	N/A	SEM001-14	2021/7/13	2024/7/12
EMI Test Receiver	Rohde & Schwarz	ESCI	SEM004-01	2022/7/12	2023/7/11
Two-Line V-Network	Rohde & Schwarz	ENV216	SEM007-16	2022/7/12	2023/7/11
Two-Line V-Network	Rohde & Schwarz	ESH3-Z5	SEM007-22	2022/1/10	2023/1/9

Duty Cycle					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
Programmable Temperature & Humidity Chamber	Votsch Industrietechnik GmbH	VT 4002	SEM002-15	2022/7/12	2023/7/11
MXA Signal Analyzer	Agilent	N9020A	SEM004-20	2022/7/12	2023/7/11
Signal Generator	Agilent	N5173B	SEM006-05	2022/7/12	2023/7/11
ESG Vector Signal Generator	Agilent	E4438C	SEM006-15	2022/7/12	2023/7/11
Power Sensor	Erika Fiedler	U2021XA	SEM009-15	2022/7/12	2023/7/11
Power Sensor	Erika Fiedler	U2021XA	SEM009-16	2022/7/12	2023/7/11
Wideband Radio Communication Tester	Rohde & Schwarz	CMW 500	SEM010-08	2022/7/12	2023/7/11
Programmable DC Source	Chroma	62024P-80-60	SEM011-09	2022/7/12	2023/7/11
Attenuator	Huber+Suhner	6620 SMA-50-1	SEM021-09	2022/7/12	2023/7/11

99% Bandwidth					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
Programmable Temperature & Humidity Chamber	Votsch Industrietechnik GmbH	VT 4002	SEM002-15	2022/7/12	2023/7/11
MXA Signal Analyzer	Agilent	N9020A	SEM004-20	2022/7/12	2023/7/11
Signal Generator	Agilent	N5173B	SEM006-05	2022/7/12	2023/7/11
ESG Vector Signal Generator	Agilent	E4438C	SEM006-15	2022/7/12	2023/7/11
Power Sensor	Erika Fiedler	U2021XA	SEM009-15	2022/7/12	2023/7/11
Power Sensor	Erika Fiedler	U2021XA	SEM009-16	2022/7/12	2023/7/11
Wideband Radio Communication Tester	Rohde & Schwarz	CMW 500	SEM010-08	2022/7/12	2023/7/11



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Programmable DC Source	Chroma	62024P-80-60	SEM011-09	2022/7/12	2023/7/11
Attenuator	Huber+Suhner	6620_SMA-50-1	SEM021-09	2022/7/12	2023/7/11

26dB Emission bandwidth

Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
Programmable Temperature & Humidity Chamber	Votsch Industrietechnik GmbH	VT 4002	SEM002-15	2022/7/12	2023/7/11
MXA Signal Analyzer	Agilent	N9020A	SEM004-20	2022/7/12	2023/7/11
Signal Generator	Agilent	N5173B	SEM006-05	2022/7/12	2023/7/11
ESG Vector Signal Generator	Agilent	E4438C	SEM006-15	2022/7/12	2023/7/11
Power Sensor	Erika Fiedler	U2021XA	SEM009-15	2022/7/12	2023/7/11
Power Sensor	Erika Fiedler	U2021XA	SEM009-16	2022/7/12	2023/7/11
Wideband Radio Communication Tester	Rohde & Schwarz	CMW 500	SEM010-08	2022/7/12	2023/7/11
Programmable DC Source	Chroma	62024P-80-60	SEM011-09	2022/7/12	2023/7/11
Attenuator	Huber+Suhner	6620_SMA-50-1	SEM021-09	2022/7/12	2023/7/11

Minimum 6 dB bandwidth (5.725-5.85 GHz band)

Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
Programmable Temperature & Humidity Chamber	Votsch Industrietechnik GmbH	VT 4002	SEM002-15	2022/7/12	2023/7/11
MXA Signal Analyzer	Agilent	N9020A	SEM004-20	2022/7/12	2023/7/11
Signal Generator	Agilent	N5173B	SEM006-05	2022/7/12	2023/7/11
ESG Vector Signal Generator	Agilent	E4438C	SEM006-15	2022/7/12	2023/7/11
Power Sensor	Erika Fiedler	U2021XA	SEM009-15	2022/7/12	2023/7/11
Power Sensor	Erika Fiedler	U2021XA	SEM009-16	2022/7/12	2023/7/11
Wideband Radio Communication Tester	Rohde & Schwarz	CMW 500	SEM010-08	2022/7/12	2023/7/11
Programmable DC Source	Chroma	62024P-80-60	SEM011-09	2022/7/12	2023/7/11
Attenuator	Huber+Suhner	6620_SMA-50-1	SEM021-09	2022/7/12	2023/7/11



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Maximum Conducted output power					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
Programmable Temperature & Humidity Chamber	Votsch Industrietechnik GmbH	VT 4002	SEM002-15	2022/7/12	2023/7/11
MXA Signal Analyzer	Agilent	N9020A	SEM004-20	2022/7/12	2023/7/11
Signal Generator	Agilent	N5173B	SEM006-05	2022/7/12	2023/7/11
ESG Vector Signal Generator	Agilent	E4438C	SEM006-15	2022/7/12	2023/7/11
Power Sensor	Erika Fiedler	U2021XA	SEM009-15	2022/7/12	2023/7/11
Power Sensor	Erika Fiedler	U2021XA	SEM009-16	2022/7/12	2023/7/11
Wideband Radio Communication Tester	Rohde & Schwarz	CMW 500	SEM010-08	2022/7/12	2023/7/11
Programmable DC Source	Chroma	62024P-80-60	SEM011-09	2022/7/12	2023/7/11
Attenuator	Huber+Suhner	6620_SMA-50-1	SEM021-09	2022/7/12	2023/7/11

Transmitter Power Control					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
Programmable Temperature & Humidity Chamber	Votsch Industrietechnik GmbH	VT 4002	SEM002-15	2022/7/12	2023/7/11
MXA Signal Analyzer	Agilent	N9020A	SEM004-20	2022/7/12	2023/7/11
Signal Generator	Agilent	N5173B	SEM006-05	2022/7/12	2023/7/11
ESG Vector Signal Generator	Agilent	E4438C	SEM006-15	2022/7/12	2023/7/11
Power Sensor	Erika Fiedler	U2021XA	SEM009-15	2022/7/12	2023/7/11
Power Sensor	Erika Fiedler	U2021XA	SEM009-16	2022/7/12	2023/7/11
Wideband Radio Communication Tester	Rohde & Schwarz	CMW 500	SEM010-08	2022/7/12	2023/7/11
Programmable DC Source	Chroma	62024P-80-60	SEM011-09	2022/7/12	2023/7/11
Attenuator	Huber+Suhner	6620_SMA-50-1	SEM021-09	2022/7/12	2023/7/11

Peak Power spectrum density					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
Programmable Temperature & Humidity Chamber	Votsch Industrietechnik GmbH	VT 4002	SEM002-15	2022/7/12	2023/7/11
MXA Signal Analyzer	Agilent	N9020A	SEM004-20	2022/7/12	2023/7/11
Signal Generator	Agilent	N5173B	SEM006-05	2022/7/12	2023/7/11



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ESG Vector Signal Generator	Agilent	E4438C	SEM006-15	2022/7/12	2023/7/11
Power Sensor	Erika Fiedler	U2021XA	SEM009-15	2022/7/12	2023/7/11
Power Sensor	Erika Fiedler	U2021XA	SEM009-16	2022/7/12	2023/7/11
Wideband Radio Communication Tester	Rohde & Schwarz	CMW 500	SEM010-08	2022/7/12	2023/7/11
Programmable DC Source	Chroma	62024P-80-60	SEM011-09	2022/7/12	2023/7/11
Attenuator	Huber+Suhner	6620_SMA-50-1	SEM021-09	2022/7/12	2023/7/11

Radiated Emissions (Below 1GHz)

Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
3m Anechoic Chamber	CRT	N/A	SEM001-13	2021/7/13	2024/7/12
Trilog-Broadband Antenna	Schwarzbeck	VULB9168	SEM003-33	2021/9/25	2024/9/24
Biconical Antenna	Schwarzbeck	VUBA9117	SEM003-35	2021/12/26	2024/12/25
Loop Antenna	ETS-LINDGREN	6502	SEM003-36	2021/9/26	2024/9/25
MXE EMI receiver	Agilent	N9038A	SEM004-05	2022/7/12	2023/7/11
Pre-amplifier	HP	8447D	SEM005-02	2022/7/12	2023/7/11
Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	SEM003-15	2021/7/11	2024/7/10
Broad-Band Horn Antenna	Schwarzbeck	BBHA 9120D	SEM003-32	2021/9/26	2024/9/25
Double-ridged waveguide horn	ETS-LINDGREN	3117	SEM003-34	2021/9/25	2024/9/24
Spectrum Analyzer	Rohde & Schwarz	101288	SEM004-08	2022/7/12	2023/7/11
Low Noise Amplifier	CLAVIO	BDLNA-0118-352810	SEM005-05	2022/7/12	2023/7/11
Pre-amplifier	Compliance Directions Systems Inc.	PAP-2640-50	SEM005-08	2022/7/12	2023/7/11
Pre-amplifier	Rohde & Schwarz	CH14-H052	SEM005-17	2022/7/12	2023/7/11

Radiated Emissions (Above 1GHz)

Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
3m Anechoic Chamber	CRT	N/A	SEM001-13	2021/7/13	2024/7/12
Trilog-Broadband Antenna	Schwarzbeck	VULB9168	SEM003-33	2021/9/25	2024/9/24
Biconical Antenna	Schwarzbeck	VUBA9117	SEM003-35	2021/12/26	2024/12/25
Loop Antenna	ETS-LINDGREN	6502	SEM003-36	2021/9/26	2024/9/25
MXE EMI receiver	Agilent	N9038A	SEM004-05	2022/7/12	2023/7/11



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Pre-amplifier	HP	8447D	SEM005-02	2022/7/12	2023/7/11
Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	SEM003-15	2021/7/11	2024/7/10
Broad-Band Horn Antenna	Schwarzbeck	BBHA 9120D	SEM003-32	2021/9/26	2024/9/25
Double-ridged waveguide horn	ETS-LINDGREN	3117	SEM003-34	2021/9/25	2024/9/24
Spectrum Analyzer	Rohde & Schwarz	101288	SEM004-08	2022/7/12	2023/7/11
Low Noise Amplifier	CLAVIIO	BDLNA-0118-352810	SEM005-05	2022/7/12	2023/7/11
Pre-amplifier	Compliance Directions Systems Inc.	PAP-2640-50	SEM005-08	2022/7/12	2023/7/11
Pre-amplifier	Rohde & Schwarz	CH14-H052	SEM005-17	2022/7/12	2023/7/11
Pre-amplifier	TST PASS	LNA04080G30	SEM005-27	2022/4/15	2023/4/14
Pre-amplifier	TST PASS	LNA10180G45	SEM005-28	2022/4/15	2023/4/14

Radiated Emissions which fall in the restricted bands

Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
3m Anechoic Chamber	CRT	N/A	SEM001-13	2021/7/13	2024/7/12
Trilog-Broadband Antenna	Schwarzbeck	VULB9168	SEM003-33	2021/9/25	2024/9/24
Biconical Antenna	Schwarzbeck	VUBA9117	SEM003-35	2021/12/26	2024/12/25
Loop Antenna	ETS-LINDGREN	6502	SEM003-36	2021/9/26	2024/9/25
MXE EMI receiver	Agilent	N9038A	SEM004-05	2022/7/12	2023/7/11
Pre-amplifier	HP	8447D	SEM005-02	2022/7/12	2023/7/11
Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	SEM003-15	2021/7/11	2024/7/10
Broad-Band Horn Antenna	Schwarzbeck	BBHA 9120D	SEM003-32	2021/9/26	2024/9/25
Double-ridged waveguide horn	ETS-LINDGREN	3117	SEM003-34	2021/9/25	2024/9/24
Spectrum Analyzer	Rohde & Schwarz	101288	SEM004-08	2022/7/12	2023/7/11
Low Noise Amplifier	CLAVIIO	BDLNA-0118-352810	SEM005-05	2022/7/12	2023/7/11
Pre-amplifier	Compliance Directions Systems Inc.	PAP-2640-50	SEM005-08	2022/7/12	2023/7/11
Pre-amplifier	Rohde & Schwarz	CH14-H052	SEM005-17	2022/7/12	2023/7/11
Pre-amplifier	TST PASS	LNA04080G30	SEM005-27	2022/4/15	2023/4/14
Pre-amplifier	TST PASS	LNA10180G45	SEM005-28	2022/4/15	2023/4/14



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Frequency Stability					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
Programmable Temperature & Humidity Chamber	Votsch Industrietechnik GmbH	VT 4002	SEM002-15	2022/7/12	2023/7/11
MXA Signal Analyzer	Agilent	N9020A	SEM004-20	2022/7/12	2023/7/11
Signal Generator	Agilent	N5173B	SEM006-05	2022/7/12	2023/7/11
ESG Vector Signal Generator	Agilent	E4438C	SEM006-15	2022/7/12	2023/7/11
Power Sensor	Erika Fiedler	U2021XA	SEM009-15	2022/7/12	2023/7/11
Power Sensor	Erika Fiedler	U2021XA	SEM009-16	2022/7/12	2023/7/11
Wideband Radio Communication Tester	Rohde & Schwarz	CMW 500	SEM010-08	2022/7/12	2023/7/11
Programmable DC Source	Chroma	62024P-80-60	SEM011-09	2022/7/12	2023/7/11
Attenuator	Huber+Suhner	6620_SMA-50-1	SEM021-09	2022/7/12	2023/7/11

Non-occupancy period					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
Programmable Temperature & Humidity Chamber	Votsch Industrietechnik GmbH	VT 4002	SEM002-15	2022/7/12	2023/7/11
MXA Signal Analyzer	Agilent	N9020A	SEM004-20	2022/7/12	2023/7/11
Signal Generator	Agilent	N5173B	SEM006-05	2022/7/12	2023/7/11
ESG Vector Signal Generator	Agilent	E4438C	SEM006-15	2022/7/12	2023/7/11
Power Sensor	Erika Fiedler	U2021XA	SEM009-15	2022/7/12	2023/7/11
Power Sensor	Erika Fiedler	U2021XA	SEM009-16	2022/7/12	2023/7/11
Wideband Radio Communication Tester	Rohde & Schwarz	CMW 500	SEM010-08	2022/7/12	2023/7/11
Programmable DC Source	Chroma	62024P-80-60	SEM011-09	2022/7/12	2023/7/11
Attenuator	Huber+Suhner	6620_SMA-50-1	SEM021-09	2022/7/12	2023/7/11

Channel Availability Check Time					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
Programmable Temperature & Humidity Chamber	Votsch Industrietechnik GmbH	VT 4002	SEM002-15	2022/7/12	2023/7/11
MXA Signal Analyzer	Agilent	N9020A	SEM004-20	2022/7/12	2023/7/11



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Signal Generator	Agilent	N5173B	SEM006-05	2022/7/12	2023/7/11
ESG Vector Signal Generator	Agilent	E4438C	SEM006-15	2022/7/12	2023/7/11
Power Sensor	Erika Fiedler	U2021XA	SEM009-15	2022/7/12	2023/7/11
Power Sensor	Erika Fiedler	U2021XA	SEM009-16	2022/7/12	2023/7/11
Wideband Radio Communication Tester	Rohde & Schwarz	CMW 500	SEM010-08	2022/7/12	2023/7/11
Programmable DC Source	Chroma	62024P-80-60	SEM011-09	2022/7/12	2023/7/11
Attenuator	Huber+Suhner	6620_SMA-50-1	SEM021-09	2022/7/12	2023/7/11

Channel Move Time					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
Programmable Temperature & Humidity Chamber	Votsch Industrietechnik GmbH	VT 4002	SEM002-15	2022/7/12	2023/7/11
MXA Signal Analyzer	Agilent	N9020A	SEM004-20	2022/7/12	2023/7/11
Signal Generator	Agilent	N5173B	SEM006-05	2022/7/12	2023/7/11
ESG Vector Signal Generator	Agilent	E4438C	SEM006-15	2022/7/12	2023/7/11
Power Sensor	Erika Fiedler	U2021XA	SEM009-15	2022/7/12	2023/7/11
Power Sensor	Erika Fiedler	U2021XA	SEM009-16	2022/7/12	2023/7/11
Wideband Radio Communication Tester	Rohde & Schwarz	CMW 500	SEM010-08	2022/7/12	2023/7/11
Programmable DC Source	Chroma	62024P-80-60	SEM011-09	2022/7/12	2023/7/11
Attenuator	Huber+Suhner	6620_SMA-50-1	SEM021-09	2022/7/12	2023/7/11

Channel Closing Transmission Time					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
Programmable Temperature & Humidity Chamber	Votsch Industrietechnik GmbH	VT 4002	SEM002-15	2022/7/12	2023/7/11
MXA Signal Analyzer	Agilent	N9020A	SEM004-20	2022/7/12	2023/7/11
Signal Generator	Agilent	N5173B	SEM006-05	2022/7/12	2023/7/11
ESG Vector Signal Generator	Agilent	E4438C	SEM006-15	2022/7/12	2023/7/11
Power Sensor	Erika Fiedler	U2021XA	SEM009-15	2022/7/12	2023/7/11
Power Sensor	Erika Fiedler	U2021XA	SEM009-16	2022/7/12	2023/7/11
Wideband Radio	Rohde & Schwarz	CMW 500	SEM010-08	2022/7/12	2023/7/11



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Communication Tester					
Programmable DC Source	Chroma	62024P-80-60	SEM011-09	2022/7/12	2023/7/11
Attenuator	Huber+Suhner	6620_SMA-50-1	SEM021-09	2022/7/12	2023/7/11

U-NII Detection Bandwidth

Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
Programmable Temperature & Humidity Chamber	Votsch Industrietechnik GmbH	VT 4002	SEM002-15	2022/7/12	2023/7/11
MXA Signal Analyzer	Agilent	N9020A	SEM004-20	2022/7/12	2023/7/11
Signal Generator	Agilent	N5173B	SEM006-05	2022/7/12	2023/7/11
ESG Vector Signal Generator	Agilent	E4438C	SEM006-15	2022/7/12	2023/7/11
Power Sensor	Erika Fiedler	U2021XA	SEM009-15	2022/7/12	2023/7/11
Power Sensor	Erika Fiedler	U2021XA	SEM009-16	2022/7/12	2023/7/11
Wideband Radio Communication Tester	Rohde & Schwarz	CMW 500	SEM010-08	2022/7/12	2023/7/11
Programmable DC Source	Chroma	62024P-80-60	SEM011-09	2022/7/12	2023/7/11
Attenuator	Huber+Suhner	6620_SMA-50-1	SEM021-09	2022/7/12	2023/7/11

General used equipment

Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
Humidity/ Temperature Indicator	Mingle	TH607	SEM002-22	2022-07-12	2023-07-11
Humidity/ Temperature Indicator	Mingle	TH607	SEM002-23	2022-07-12	2023-07-11
Barometer	DUMAI	DYM3	SEM002-24	2022-07-12	2023-07-11



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6 Radio Spectrum Technical Requirement

6.1 Antenna Requirement

6.1.1 Test Requirement:

47 CFR Part 15, Subpart C 15.203

6.1.2 Conclusion

Standard Requirement:

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

15.247(b) (4) requirement:

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

EUT Antenna:

The antenna is integrated on the main PCB and no consideration of replacement. The best case gain of the antenna as the following table:

Frequency (MHz)	Non- Beamforming gain	Beamforming gain
5180	4.9	6.1
5240	5.4	6.2
5700	5.4	6
5825	5.7	6.5

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: 20.4 °C

Humidity: 52.6 % RH

Atmospheric Pressure: 1020 mbar

7.1.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	01	TX mode (U-NII-1)(Adapter 1)_Keep the EUT in continuously transmitting mode with all modulation types of Beamforming mode (802.11 n/ac/ax) and Non-Beamforming mode (802.11 a/n/ac/ax) . All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.
Pre-scan	02	TX mode (U-NII-3)(Adapter 1)_Keep the EUT in continuously transmitting mode with all modulation types of Beamforming mode (802.11 n/ac/ax) and Non-Beamforming mode (802.11 a/n/ac/ax). All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.
Pre-scan	03	TX mode (U-NII-1)(Adapter 2)_Keep the EUT in continuously transmitting mode with



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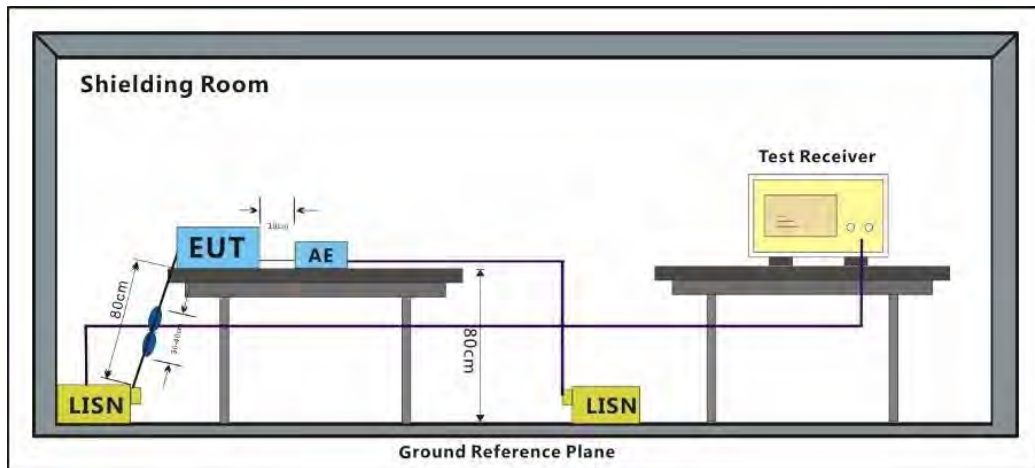
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		all modulation types of Beamforming mode (802.11 n/ac/ax) and Non-Beamforming mode (802.11 a/n/ac/ax) . All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.
Pre-scan	04	TX mode (U-NII-3)(Adapter 2)_Keep the EUT in continuously transmitting mode with all modulation types of Beamforming mode (802.11 n/ac/ax) and Non-Beamforming mode (802.11 a/n/ac/ax). All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.

7.1.3 Test Setup Diagram



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7.1.4 Measurement Procedure and Data

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

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



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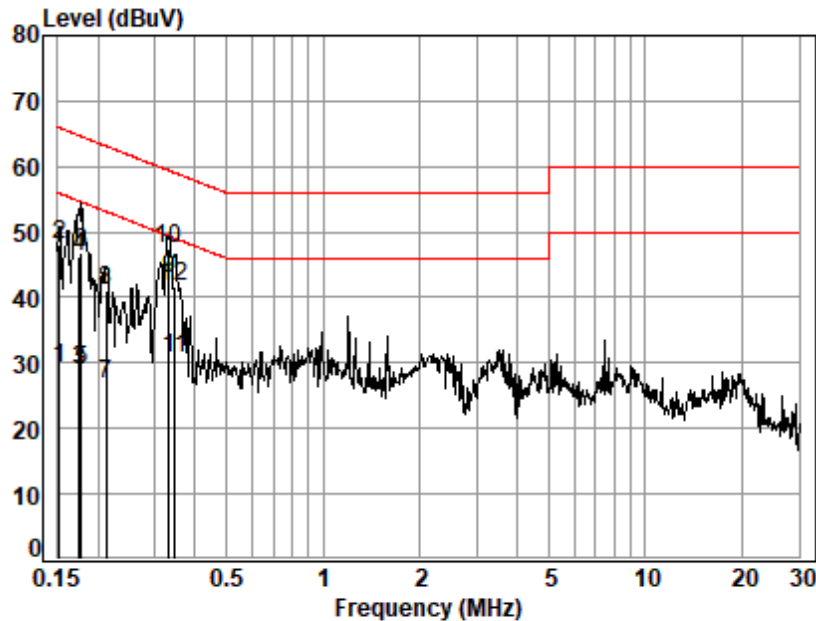
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Test Mode: 01; Line: Live line



Site : Shielding Room

Condition: Line

Job No. : 00304AT

Test mode: 01

		Cable	LISN	Read		Limit	Over	
	Freq	Loss	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB	dBuV	dBuV	dBuV	dB	
1	0.1516	0.02	0.25	29.06	29.33	55.91	-26.58	Average
2	0.1516	0.02	0.25	47.92	48.19	65.91	-17.72	QP
3	0.1749	0.02	0.25	28.51	28.78	54.72	-25.94	Average
4	0.1749	0.02	0.25	45.81	46.08	64.72	-18.64	QP
5	0.1777	0.02	0.25	28.53	28.80	54.59	-25.79	Average
6	0.1777	0.02	0.25	46.53	46.80	64.59	-17.79	QP
7	0.2117	0.02	0.26	26.56	26.84	53.14	-26.30	Average
8	0.2117	0.02	0.26	40.82	41.10	63.14	-22.04	QP
9	0.3321	0.03	0.27	42.57	42.87	49.40	-6.53	Average
10	0.3321	0.03	0.27	47.21	47.51	59.40	-11.89	QP
11	0.3465	0.03	0.27	30.49	30.79	49.05	-18.26	Average
12	0.3465	0.03	0.27	41.43	41.73	59.05	-17.32	QP



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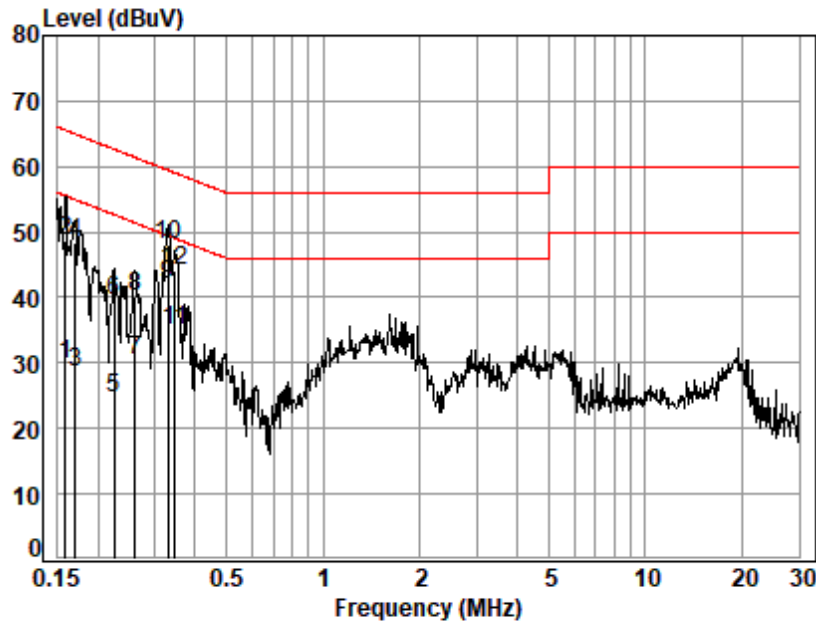
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Test Mode: 01; Line: Neutral Line



Site : Shielding Room
Condition: Neutral
Job No. : 00304AT
Test mode: 01

	Freq	Cable Loss	LISN Factor	Read Level	Limit Line	Over Limit	Remark
	MHz	dB	dB	dBuV	dBuV	dB	
1	0.1582	0.02	0.30	29.42	29.74	55.56	Average
2	0.1582	0.02	0.30	48.27	48.59	65.56	QP
3	0.1694	0.02	0.30	28.30	28.62	54.99	Average
4	0.1694	0.02	0.30	48.04	48.36	64.99	QP
5	0.2244	0.02	0.29	24.34	24.65	52.66	Average
6	0.2244	0.02	0.29	39.15	39.46	62.66	QP
7	0.2603	0.03	0.28	30.00	30.31	51.42	Average
8	0.2603	0.03	0.28	39.70	40.01	61.42	QP
9	0.3303	0.03	0.28	41.77	42.08	49.44	Average
10	0.3303	0.03	0.28	47.65	47.96	59.44	QP
11	0.3465	0.03	0.28	34.59	34.90	49.05	Average
12	0.3465	0.03	0.28	43.67	43.98	59.05	QP



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7.2 Duty Cycle

Test Requirement KDB 789033 D02 II B 1

Test Method: KDB 789033 II B 1

7.2.1 E.U.T. Operation

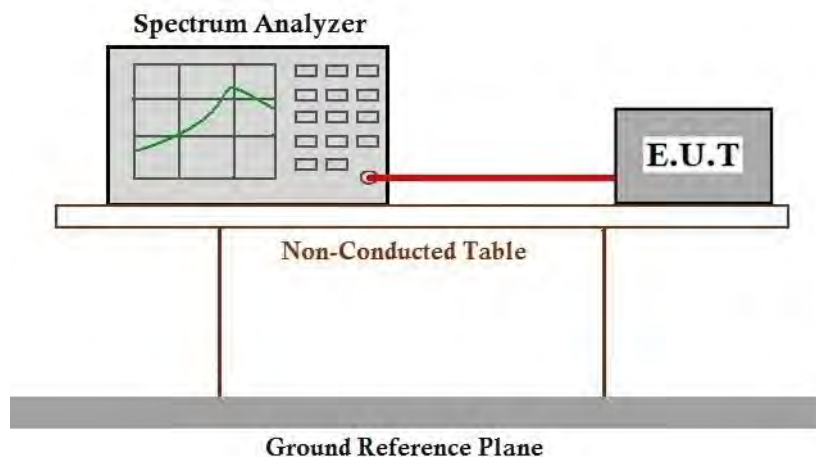
Operating Environment:

Temperature: 25.2 °C Humidity: 42.5 % RH Atmospheric Pressure: 1020 mbar

7.2.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	01	TX mode (U-NII-1) _Keep the EUT in continuously transmitting mode with all modulation types of Beamforming mode (802.11 n/ac/ax) and Non-Beamforming mode (802.11 a/n/ac/ax) . All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.
Final test	02	TX mode (U-NII-3) _Keep the EUT in continuously transmitting mode with all modulation types of Beamforming mode (802.11 n/ac/ax) and Non-Beamforming mode (802.11 a/n/ac/ax). All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). 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 N/A
Test Method: KDB 789033 II D

7.3.1 E.U.T. Operation

Operating Environment:
Temperature: 25.2 °C Humidity: 42.5 % RH Atmospheric Pressure: 1020 mbar

7.3.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	01	TX mode (U-NII-1) _Keep the EUT in continuously transmitting mode with all modulation types of Beamforming mode (802.11 n/ac/ax) and Non-Beamforming mode (802.11 a/n/ac/ax) . All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.
Final test	02	TX mode (U-NII-3) _Keep the EUT in continuously transmitting mode with all modulation types of Beamforming mode (802.11 n/ac/ax) and Non-Beamforming mode (802.11 a/n/ac/ax). All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.



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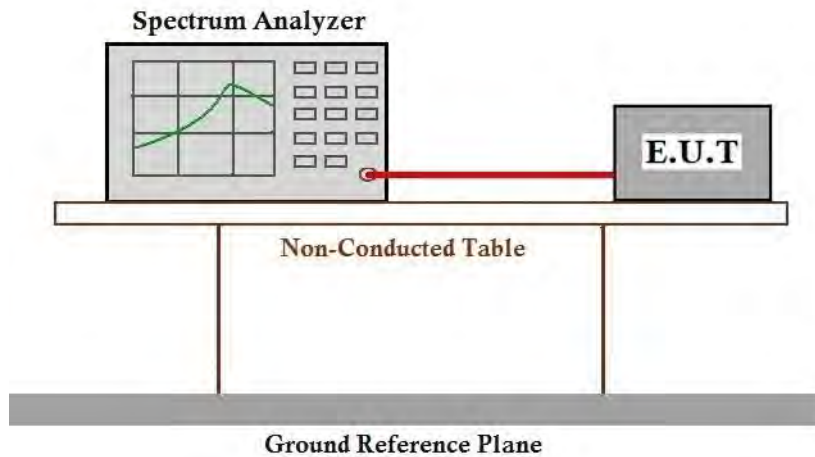
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7.3.3 Test Setup Diagram



7.3.4 Measurement Procedure and Data

Please Refer to Appendix for Details



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7.4 26dB Emission bandwidth

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

Test Method: KDB 789033 D02 II C 1

7.4.1 E.U.T. Operation

Operating Environment:

Temperature: 25.2 °C

Humidity: 42.5 % RH

Atmospheric Pressure: 1020 mbar

7.4.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	01	TX mode (U-NII-1) _Keep the EUT in continuously transmitting mode with all modulation types of Beamforming mode (802.11 n/ac/ax) and Non-Beamforming mode (802.11 a/n/ac/ax) . All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.
Final test	02	TX mode (U-NII-3) _Keep the EUT in continuously transmitting mode with all modulation types of Beamforming mode (802.11 n/ac/ax) and Non-Beamforming mode (802.11 a/n/ac/ax). All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.



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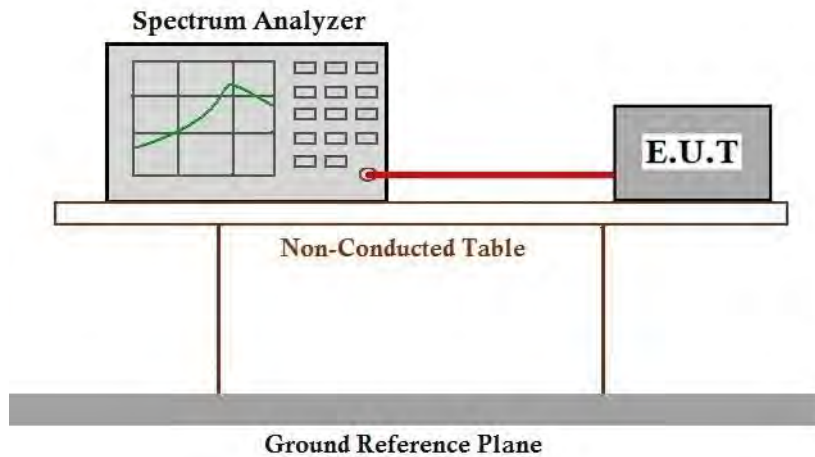
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7.4.3 Test Setup Diagram



7.4.4 Measurement Procedure and Data

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

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

Test Method: KDB 789033 D02 II C 2

Limit:

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

7.5.1 E.U.T. Operation

Operating Environment:

Temperature: 25.2 °C

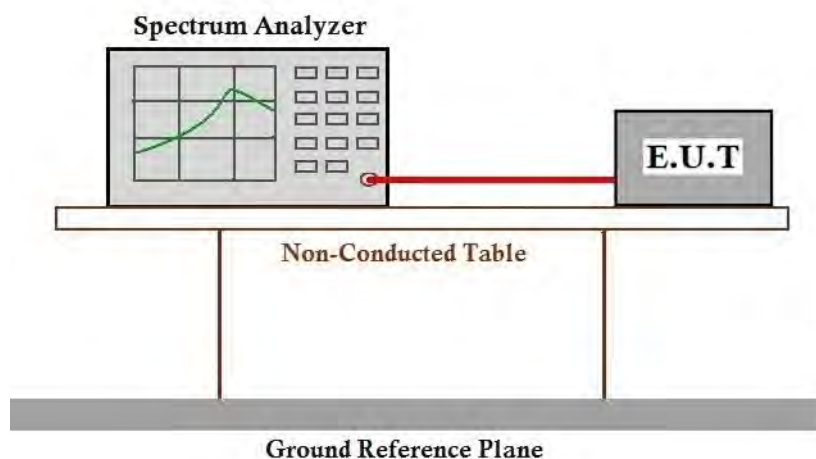
Humidity: 42.5 % RH

Atmospheric Pressure: 1020 mbar

7.5.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	01	TX mode (U-NII-3) _Keep the EUT in continuously transmitting mode with all modulation types of Beamforming mode (802.11 n/ac/ax) and Non-Beamforming mode (802.11 a/n/ac/ax). All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.

7.5.3 Test Setup Diagram



7.5.4 Measurement Procedure and Data



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7.6 Maximum Conducted output power

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

Test Method: KDB 789033 D02 II E

Limit:

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

7.6.1 E.U.T. Operation

Operating Environment:

Temperature: 25.2 °C

Humidity: 42.5 % RH

Atmospheric Pressure: 1020 mbar

7.6.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	01	TX mode (U-NII-1) _Keep the EUT in continuously transmitting mode with all modulation types of Beamforming mode (802.11 n/ac/ax) and Non-Beamforming mode (802.11 a/n/ac/ax) . All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.
Final test	02	TX mode (U-NII-3) _Keep the EUT in continuously transmitting mode with all modulation types of Beamforming mode (802.11 n/ac/ax) and Non-Beamforming mode (802.11 a/n/ac/ax). All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40);



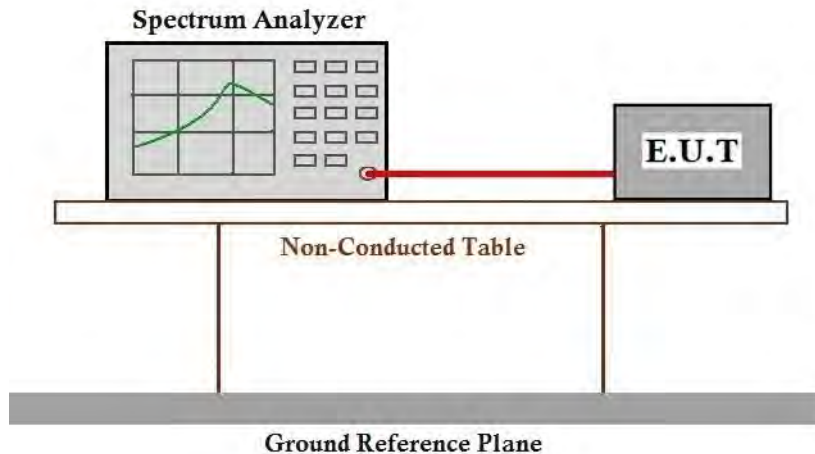
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	data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.
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7.6.3 Test Setup Diagram



7.6.4 Measurement Procedure and Data

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

Please Refer to Appendix for Details

7.7 Peak Power spectrum density

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

Test Method: KDB 789033 D02 II F

Limit:

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



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7.7.1 E.U.T. Operation

Operating Environment:

Temperature: 25.2 °C

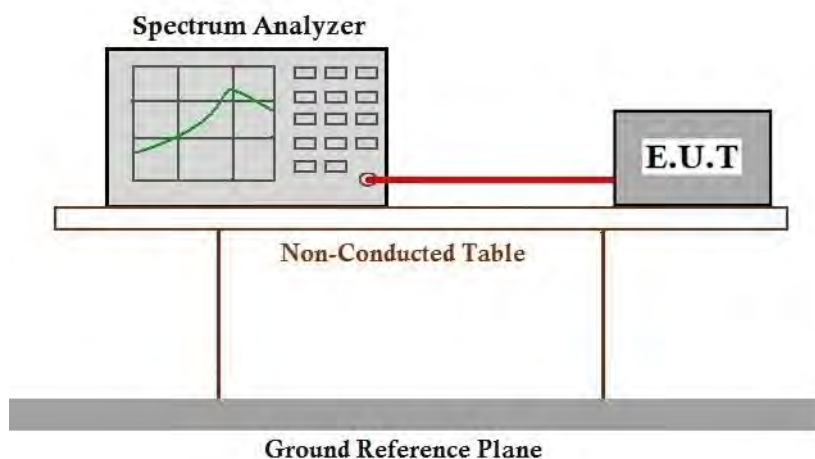
Humidity: 42.5 % RH

Atmospheric Pressure: 1020 mbar

7.7.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	01	TX mode (U-NII-1) _Keep the EUT in continuously transmitting mode with all modulation types of Beamforming mode (802.11 n/ac/ax) and Non-Beamforming mode (802.11 a/n/ac/ax) . All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.
Final test	02	TX mode (U-NII-3) _Keep the EUT in continuously transmitting mode with all modulation types of Beamforming mode (802.11 n/ac/ax) and Non-Beamforming mode (802.11 a/n/ac/ax). All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.

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: KDB 789033 D02 II G

Measurement Distance: 3m

Limit:

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

7.8.1 E.U.T. Operation

Operating Environment:

Temperature: 23.5 °C

Humidity: 52.7 % RH

Atmospheric Pressure: 1020 mbar

7.8.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	01	TX mode (U-NII-1)(Adapter 1)_Keep the EUT in continuously transmitting mode with all modulation types of Beamforming mode (802.11 n/ac/ax) and Non-Beamforming mode (802.11 a/n/ac/ax) . All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.
Pre-scan	02	TX mode (U-NII-3)(Adapter 1)_Keep the EUT in continuously transmitting mode with all modulation types of Beamforming mode (802.11 n/ac/ax) and Non-Beamforming mode (802.11 a/n/ac/ax). All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.



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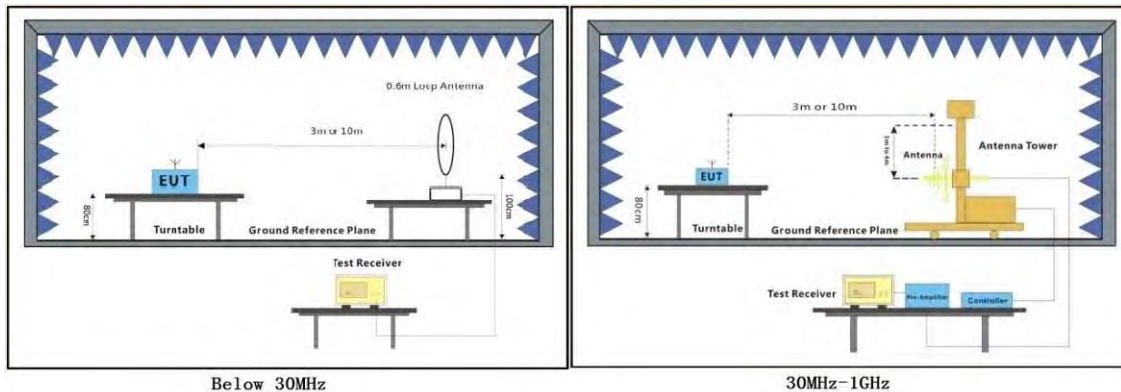
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Pre-scan	03	TX mode (U-NII-1)(Adapter 2)_Keep the EUT in continuously transmitting mode with all modulation types of Beamforming mode (802.11 n/ac/ax) and Non-Beamforming mode (802.11 a/n/ac/ax) . All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.
Pre-scan	04	TX mode (U-NII-3)(Adapter 2)_Keep the EUT in continuously transmitting mode with all modulation types of Beamforming mode (802.11 n/ac/ax) and Non-Beamforming mode (802.11 a/n/ac/ax). All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.

7.8.3 Test Setup Diagram



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7.8.4 Measurement Procedure and Data

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

Remark:

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



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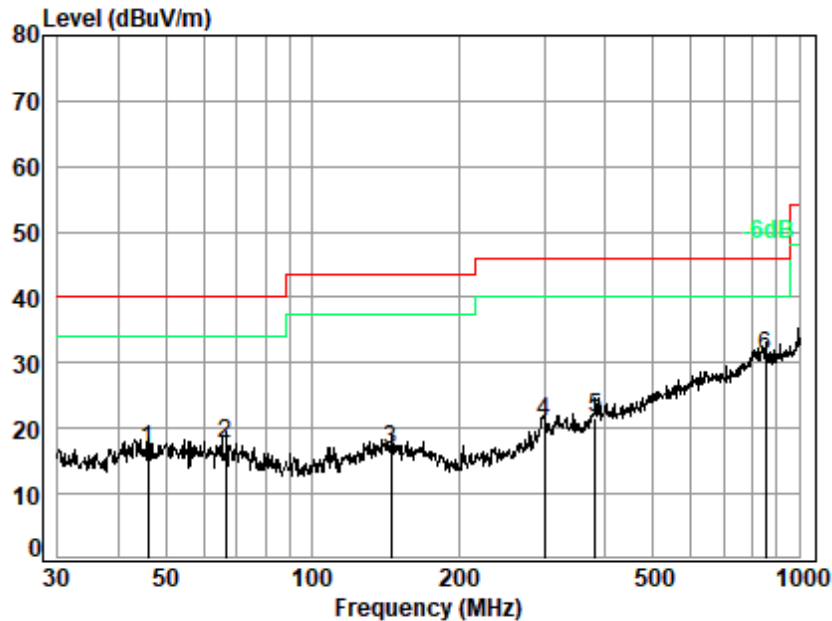
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Test Mode: 01; Polarity: Horizontal Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 00304AT
Mode : 01

		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	46.0164	0.21	17.27	24.92	24.07	16.63	40.00	-23.37 QP
2	66.4989	0.26	16.45	24.84	25.71	17.58	40.00	-22.42 QP
3	145.3506	0.88	17.43	25.53	23.97	16.75	43.50	-26.75 QP
4	299.3159	1.01	18.29	25.60	27.39	21.09	46.00	-24.91 QP
5	381.2487	1.63	20.30	25.65	25.44	21.72	46.00	-24.28 QP
6	854.0247	2.90	27.65	25.61	26.12	31.06	46.00	-14.94 QP



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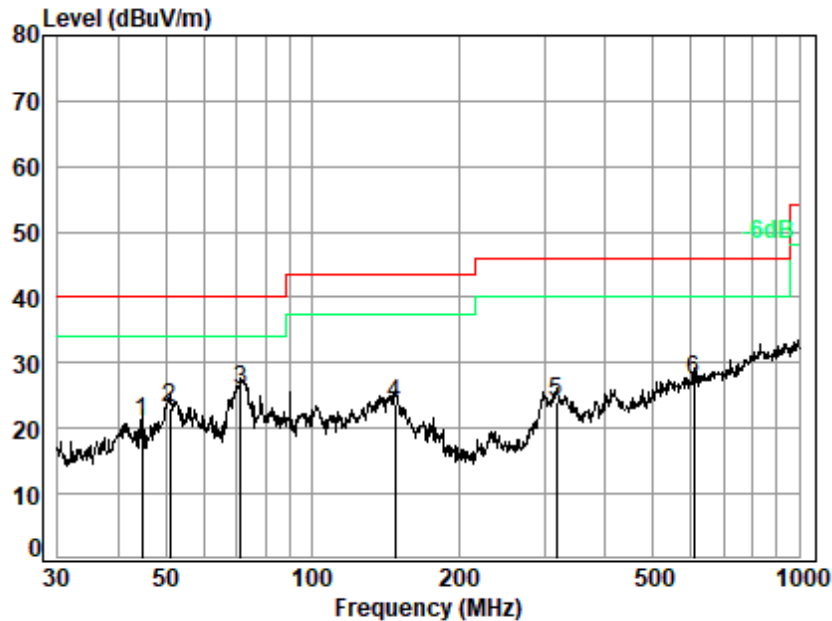
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Test Mode: 01; Polarity: Vertical Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Site : chamber
Condition: 3m VERTICAL
Job No : 00304AT
Mode : 01

		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	44.7435	0.21	17.29	24.92	28.26	20.84	40.00	-19.16 QP
2	50.9420	0.22	17.34	24.90	30.44	23.10	40.00	-16.90 QP
3	71.3300	0.31	15.56	24.82	34.73	25.78	40.00	-14.22 QP
4	147.9214	0.86	17.43	25.54	30.96	23.71	43.50	-19.79 QP
5	316.5890	1.18	19.10	25.61	29.46	24.13	46.00	-21.87 QP
6	607.7867	2.12	24.48	25.70	26.45	27.35	46.00	-18.65 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: KDB 789033 D02 II G

Measurement Distance: 3m

Limit:

Frequency(MHz)	Field strength(microvolts/meter)	Measurement distance(meters)
Above 1GHz	500	3
*(1) For transmitters operating in the 5.15-5.25 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz. (2) For transmitters operating in the 5.25-5.35 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz. (3) For transmitters operating in the 5.47-5.725 GHz band: All emissions outside of the 5.47-5.725 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz. (4) For transmitters operating in the 5.725-5.85 GHz band: (i) All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge. Remark: The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90kHz, 110-490kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation.		

7.9.1 E.U.T. Operation

Operating Environment:

Temperature: 23.0 °C

Humidity: 52.1 % RH

Atmospheric Pressure: 1020 mbar



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7.9.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	01	TX mode (U-NII-1)(Adapter 1; 1st source antenna)_Keep the EUT in continuously transmitting mode with all modulation types of Beamforming mode (802.11 n/ac/ax) and Non-Beamforming mode (802.11 a/n/ac/ax) . All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.
Final test	02	TX mode (U-NII-3)(Adapter 1; 1st source antenna)_Keep the EUT in continuously transmitting mode with all modulation types of Beamforming mode (802.11 n/ac/ax) and Non-Beamforming mode (802.11 a/n/ac/ax). All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.
Final test	03	TX mode (U-NII-1)(Adapter 1; 2nd source antenna)_Keep the EUT in continuously transmitting mode with all modulation types of Beamforming mode (802.11 n/ac/ax) and Non-Beamforming mode (802.11 a/n/ac/ax) . All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.
Final test	04	TX mode (U-NII-3)(Adapter 1; 2nd source antenna)_Keep the EUT in continuously transmitting mode with all modulation types of Beamforming mode (802.11 n/ac/ax) and Non-Beamforming mode (802.11 a/n/ac/ax). All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.

Remark: the EUT have two different manufacturers of antennas: The 1st source antennas (W1: VT-WF-1; W2: VT-WF-2) was performed full testing, the 2nd source antennas (W1: N03NKACE-PK1-LE1X90BUR1; W2: N03NKACF-PK1-LW1X120BUR3) was performed the worst mode of testing according to the applicant declare that the antenna specifications are the same.



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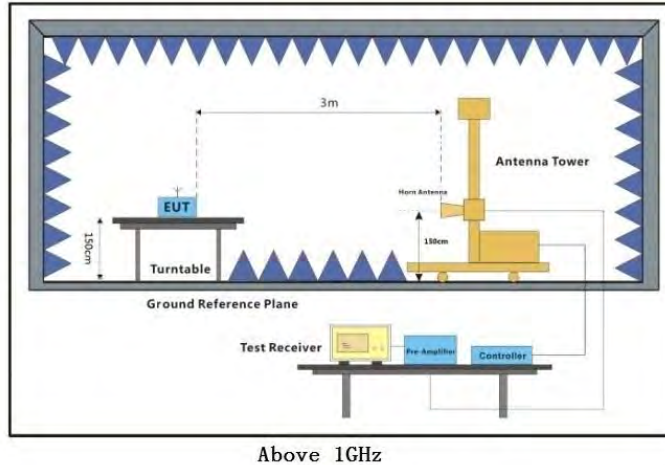
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7.9.3 Test Setup Diagram



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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.



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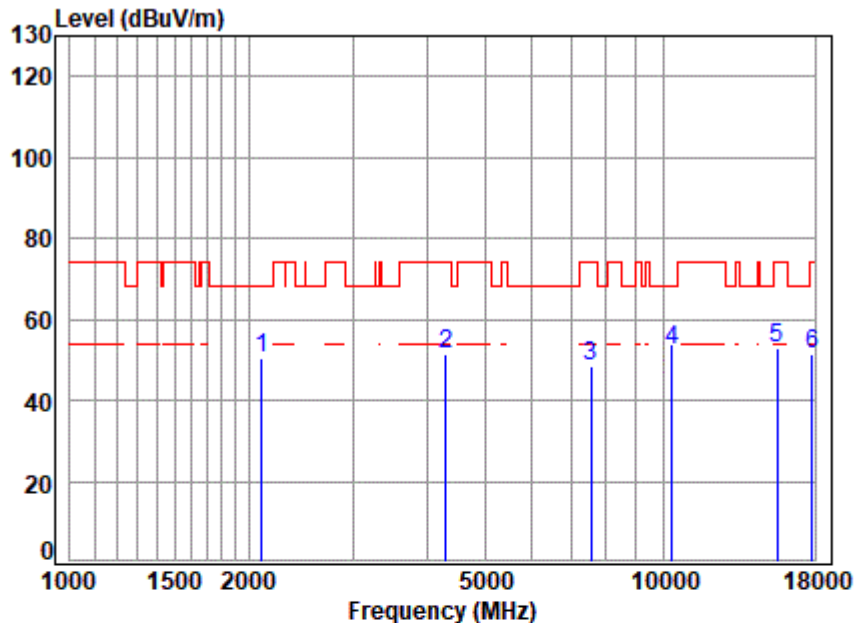
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Test Mode: 01; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 00304AT
Mode : 5180 TX RSE
Note : 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	2101.8660	4.83	26.47	53.10	72.00	50.20	68.20	-18.00	Peak
2	4304.4000	7.48	29.94	52.90	66.99	51.51	74.00	-22.49	Peak
3	7541.1140	8.51	36.38	53.56	57.01	48.34	74.00	-25.66	Peak
4	10360.000	11.08	38.85	53.35	57.74	54.32	68.20	-13.88	peak
5	15540.000	13.49	39.74	53.43	53.16	52.96	74.00	-21.04	peak
6	17793.090	14.67	45.83	52.12	42.99	51.37	74.00	-22.63	Peak



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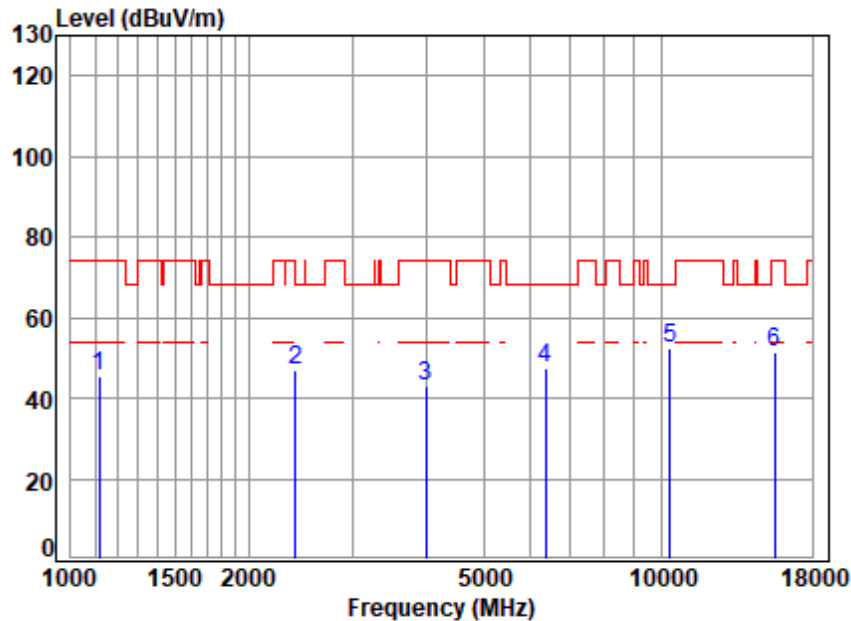
Compliance Certification Services (Kunshan) Inc. Shenzhen Branch

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



Site : chamber
Condition: 3m VERTICAL
Job No : 00304AT
Mode : 5180 TX RSE
Note : 5G WIFI 11A

		Cable	Ant	Preamp	Read		Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1116.0930	2.95	24.22	52.60	71.00	45.57	74.00	-28.43	Peak
2	2400.7530	5.06	27.18	53.10	68.00	47.14	68.20	-21.06	Peak
3	3992.7810	7.48	29.49	52.80	59.00	43.17	74.00	-30.83	Peak
4	6377.1950	7.69	34.08	53.08	58.99	47.68	68.20	-20.52	Peak
5	10360.000	11.08	38.85	53.35	55.63	52.21	68.20	-15.99	peak
6	15540.000	13.49	39.74	53.43	51.63	51.43	74.00	-22.57	peak



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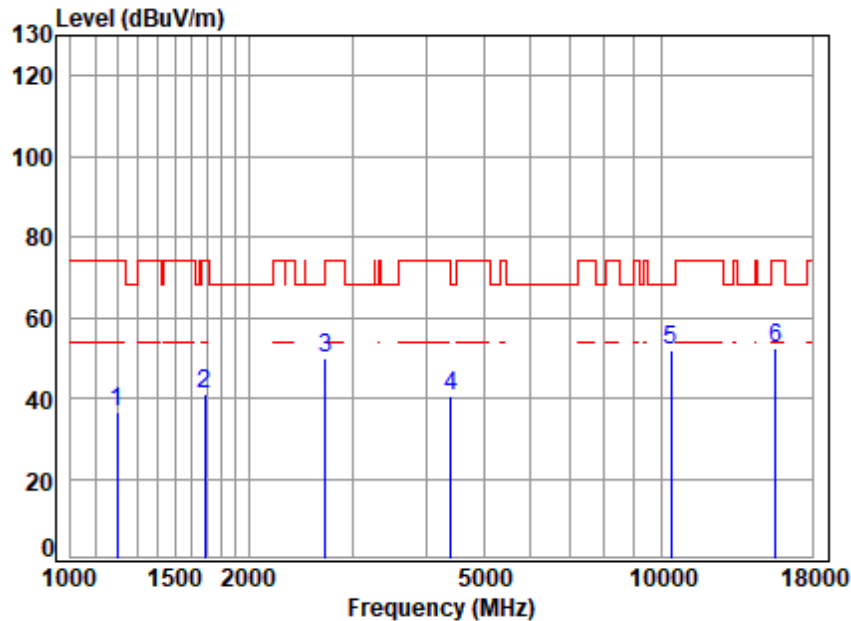
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Test Mode: 01; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:middle



Site : chamber
Condition: 3m HORIZONTAL
Job No : 00304AT
Mode : 5200 TX RSE
Note : 5G WIFI 11A

		Cable	Ant	Preamp	Read		Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1199.7260	3.15	24.30	52.66	61.88	36.67	74.00	-37.33	peak
2	1687.3470	4.17	24.98	52.95	64.77	40.97	74.00	-33.03	peak
3	2694.9980	5.37	27.89	53.10	70.01	50.17	74.00	-23.83	Peak
4	4405.0900	7.47	30.07	52.93	55.73	40.34	68.20	-27.86	peak
5	10400.000	11.07	38.89	53.36	55.47	52.07	68.20	-16.13	peak
6	15600.000	13.50	39.53	53.40	52.85	52.48	74.00	-21.52	peak



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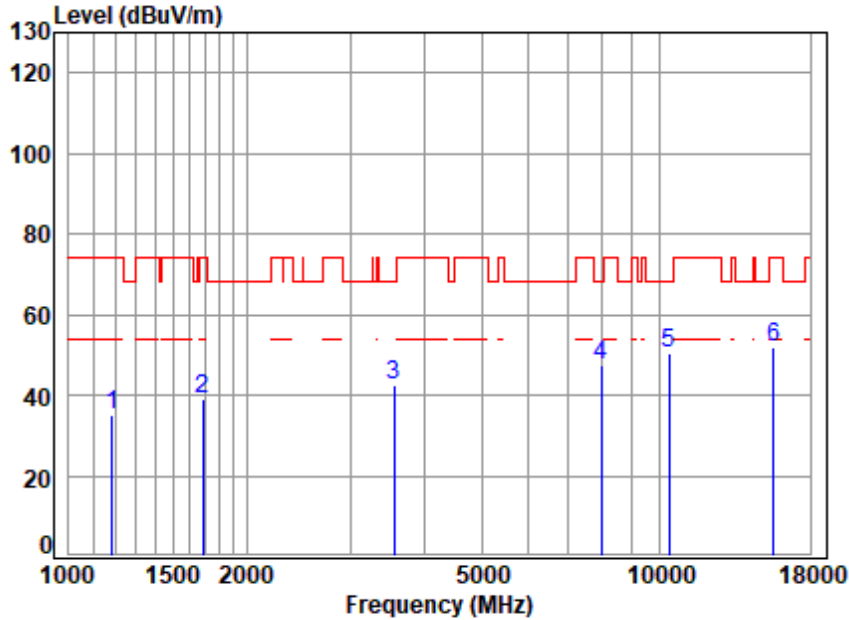
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Test Mode: 01; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:middle



Site : chamber
Condition: 3m VERTICAL
Job No : 00304AT
Mode : 5200 TX RSE
Note : 5G WIFI 11A

		Cable	Ant	Preamp	Read		Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1182.5130	3.11	24.28	52.65	60.37	35.11	74.00	-38.89	peak
2	1687.3470	4.17	24.98	52.95	62.80	39.00	74.00	-35.00	peak
3	3556.8430	7.05	28.80	52.92	59.61	42.54	68.20	-25.66	peak
4	7989.8930	9.41	36.20	53.60	55.66	47.67	68.20	-20.53	peak
5	10400.000	11.07	38.89	53.36	53.68	50.28	68.20	-17.92	peak
6	15600.000	13.50	39.53	53.40	52.09	51.72	74.00	-22.28	peak



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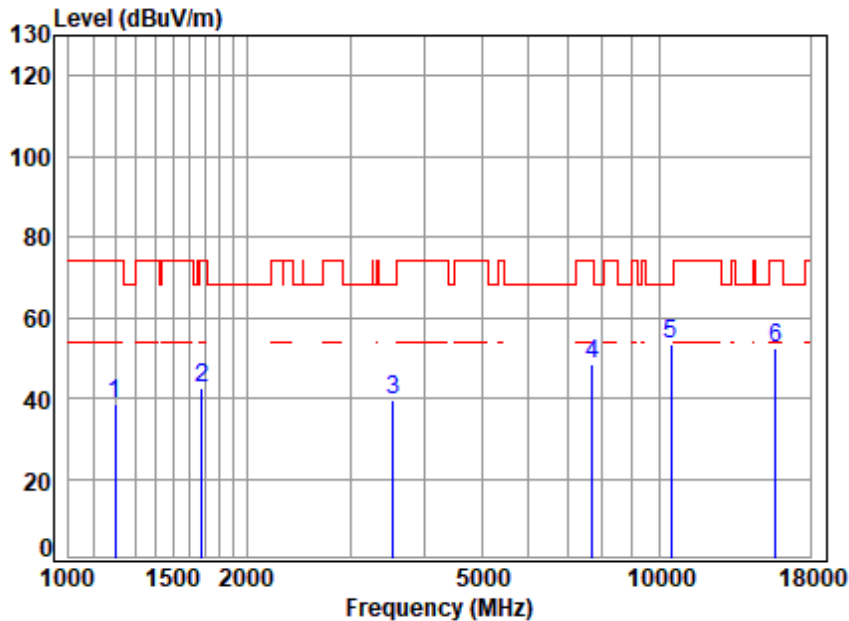
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Test Mode: 01; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Site : chamber
Condition: 3m HORIZONTAL
Job No : 00304AT
Mode : 5240 TX RSE
Note : 5G WIFI 11A

		Cable	Ant	Preamp	Read		Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1196.2640	3.14	24.30	52.66	64.01	38.79	74.00	-35.21	peak
2	1677.6210	4.15	24.96	52.95	66.17	42.33	74.00	-31.67	peak
3	3546.5770	7.04	28.78	52.93	56.76	39.65	68.20	-28.55	peak
4	7695.2440	8.83	36.32	53.57	57.05	48.63	74.00	-25.37	peak
5	10480.000	11.06	38.99	53.40	56.74	53.39	68.20	-14.81	peak
6	15720.000	13.50	39.13	53.34	52.93	52.22	74.00	-21.78	peak



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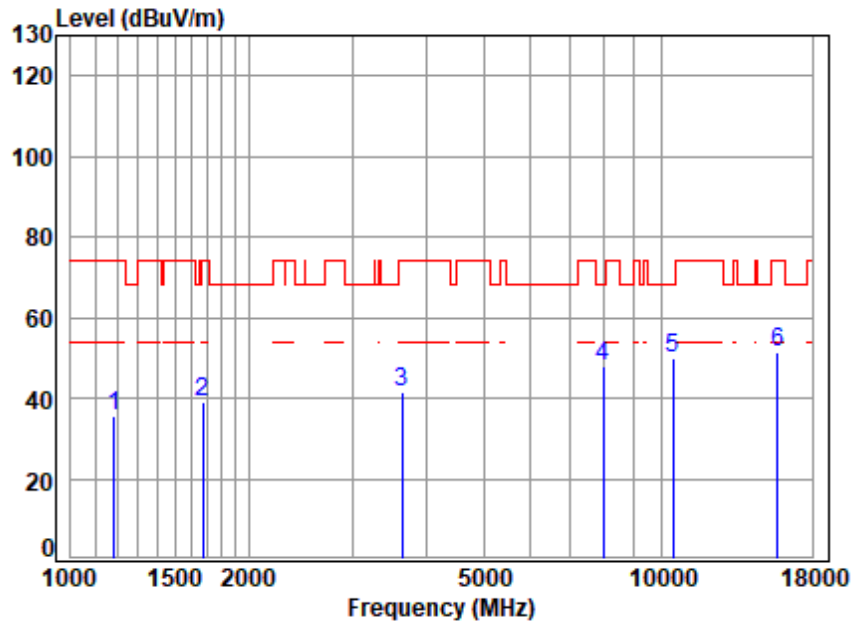
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Test Mode: 01; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Site : chamber
Condition: 3m VERTICAL
Job No : 00304AT
Mode : 5240 TX RSE
Note : 5G WIFI 11A

		Cable	Ant	Preamp	Read		Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1182.5130	3.11	24.28	52.65	60.79	35.53	74.00	-38.47	peak
2	1672.7790	4.14	24.95	52.95	62.95	39.09	74.00	-34.91	peak
3	3640.0450	7.14	28.94	52.90	58.31	41.49	74.00	-32.51	peak
4	7989.8930	9.41	36.20	53.60	56.07	48.08	68.20	-20.12	peak
5	10480.000	11.06	38.99	53.40	53.52	50.17	68.20	-18.03	peak
6	15720.000	13.50	39.13	53.34	52.06	51.35	74.00	-22.65	peak



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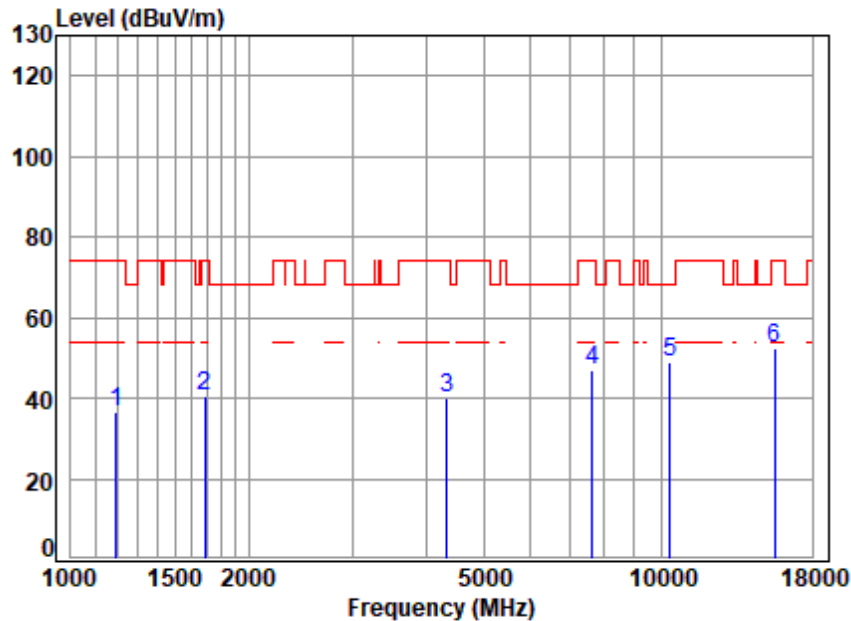
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Test Mode: 01; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 00304AT
Mode : 5180 TX RSE
Note : 5G WIFI 11N20

		Cable	Ant	Preamp	Read		Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1192.8110	3.13	24.29	52.65	61.88	36.65	74.00	-37.35	peak
2	1687.3470	4.17	24.98	52.95	64.25	40.45	74.00	-33.55	peak
3	4341.8860	7.48	29.99	52.91	55.43	39.99	74.00	-34.01	peak
4	7628.8060	8.69	36.35	53.56	55.53	47.01	74.00	-26.99	peak
5	10360.000	11.08	38.85	53.35	52.33	48.91	68.20	-19.29	peak
6	15540.000	13.49	39.74	53.43	52.68	52.48	74.00	-21.52	peak



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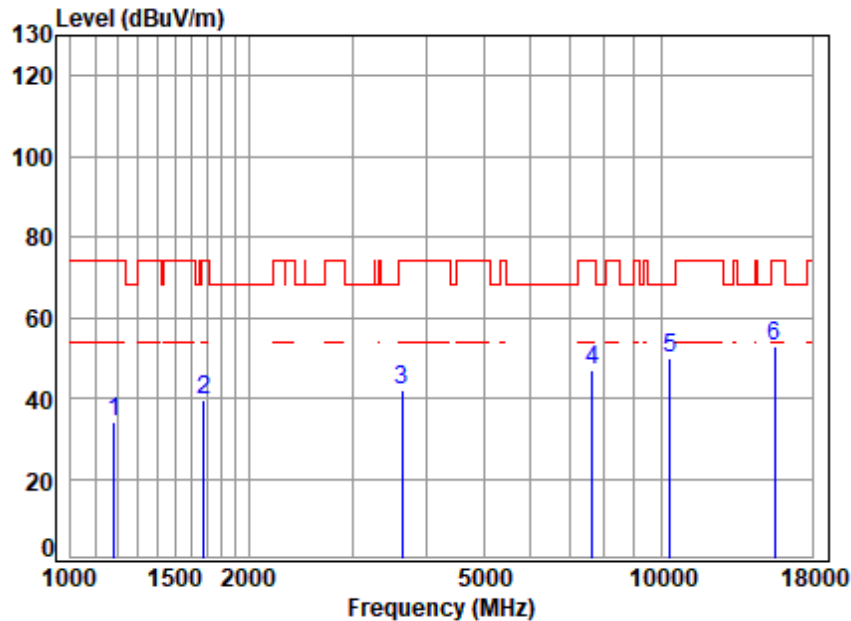
Compliance Certification Services (Kunshan) Inc. Shenzhen Branch

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

Report No.: FYCR220800030403

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



Site : chamber
Condition: 3m VERTICAL
Job No : 00304AT
Mode : 5180 TX RSE
Note : 5G WIFI 11N20

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1182.5130	3.11	24.28	52.65	59.35	34.09	74.00	-39.91	peak
2	1677.6210	4.15	24.96	52.95	63.58	39.74	74.00	-34.26	peak
3	3640.0450	7.14	28.94	52.90	58.63	41.81	74.00	-32.19	peak
4	7628.8060	8.69	36.35	53.56	55.31	46.79	74.00	-27.21	peak
5	10360.000	11.08	38.85	53.35	53.18	49.76	68.20	-18.44	peak
6	15540.000	13.49	39.74	53.43	53.32	53.12	74.00	-20.88	peak



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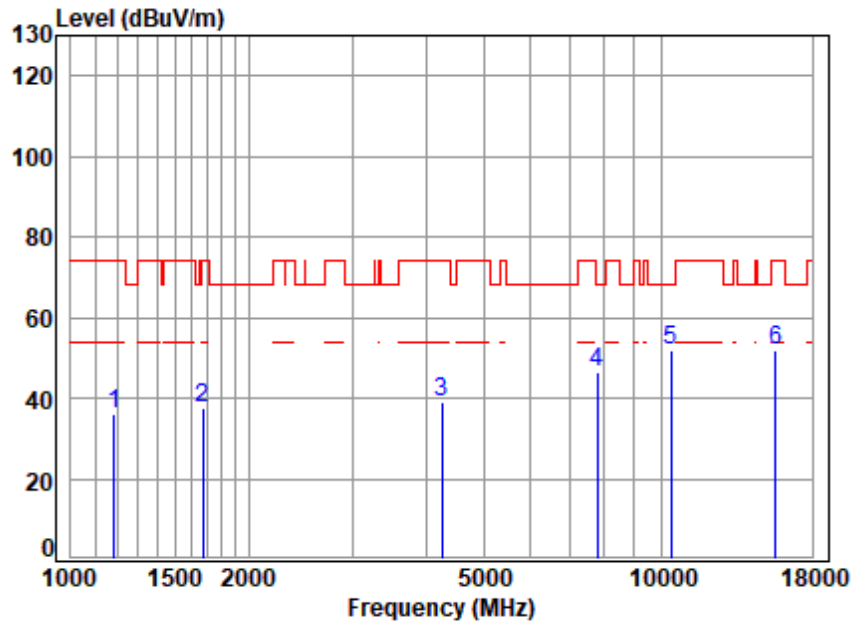
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Test Mode: 01; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:middle



Site : chamber
Condition: 3m HORIZONTAL
Job No : 00304AT
Mode : 5200 TX RSE
Note : 5G WIFI 11N20

		Cable	Ant	Preamp	Read		Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1182.5130	3.11	24.28	52.65	61.57	36.31	74.00	-37.69	peak
2	1672.7790	4.14	24.95	52.95	61.20	37.34	74.00	-36.66	peak
3	4254.9210	7.48	29.87	52.88	54.58	39.05	74.00	-34.95	peak
4	7784.7290	9.01	36.28	53.58	54.86	46.57	68.20	-21.63	peak
5	10400.000	11.07	38.89	53.36	55.50	52.10	68.20	-16.10	peak
6	15600.000	13.50	39.53	53.40	52.03	51.66	74.00	-22.34	peak



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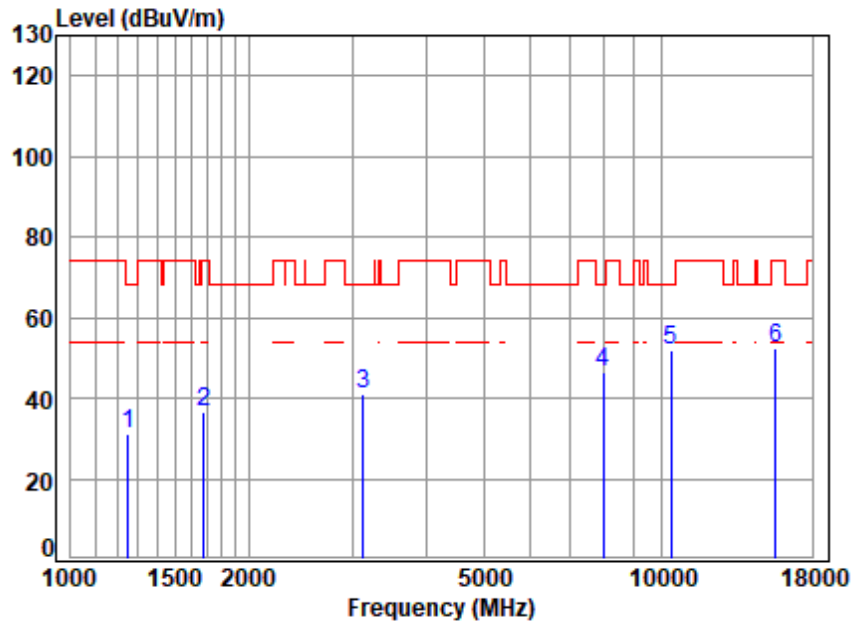
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Test Mode: 01; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:middle



Site : chamber
Condition: 3m VERTICAL
Job No : 00304AT
Mode : 5200 TX RSE
Note : 5G WIFI 11N20

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1252.8850	3.27	24.27	52.70	56.33	31.17	68.20	-37.03	peak
2	1677.6210	4.15	24.96	52.95	60.20	36.36	74.00	-37.64	peak
3	3123.0390	6.05	28.63	53.06	59.46	41.08	68.20	-27.12	peak
4	7989.8930	9.41	36.20	53.60	54.48	46.49	68.20	-21.71	peak
5	10400.000	11.07	38.89	53.36	55.49	52.09	68.20	-16.11	peak
6	15600.000	13.50	39.53	53.40	52.85	52.48	74.00	-21.52	peak



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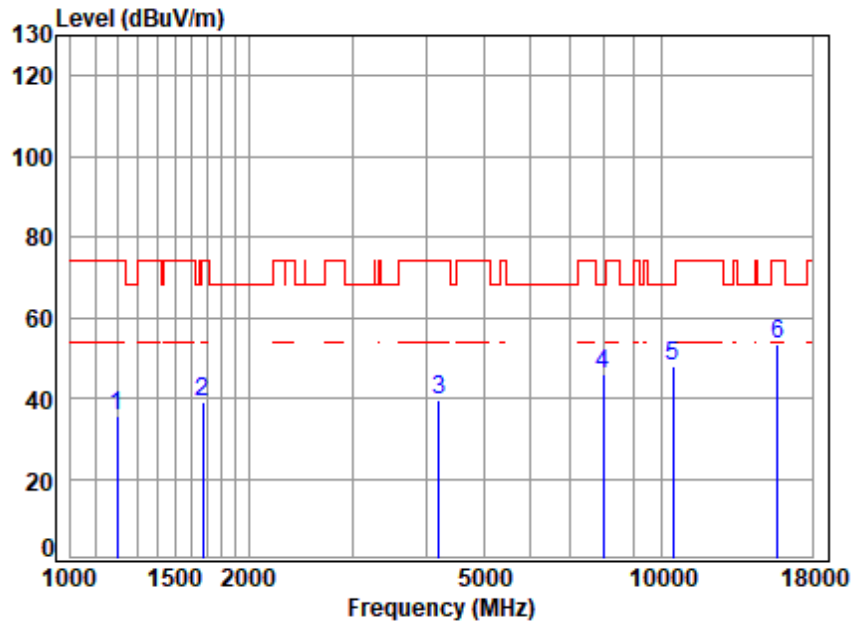
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Test Mode: 01; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:High



Site : chamber
Condition: 3m HORIZONTAL
Job No : 00304AT
Mode : 5240 TX RSE
Note : 5G WIFI 11N20

		Cable	Ant	Preamp	Read		Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1196.2640	3.14	24.30	52.66	60.97	35.75	74.00	-38.25	peak
2	1672.7790	4.14	24.95	52.95	62.69	38.83	74.00	-35.17	peak
3	4206.0110	7.48	29.80	52.87	55.23	39.64	74.00	-34.36	peak
4	7989.8930	9.41	36.20	53.60	54.08	46.09	68.20	-22.11	peak
5	10480.000	11.06	38.99	53.40	51.47	48.12	68.20	-20.08	peak
6	15720.000	13.50	39.13	53.34	54.23	53.52	74.00	-20.48	peak



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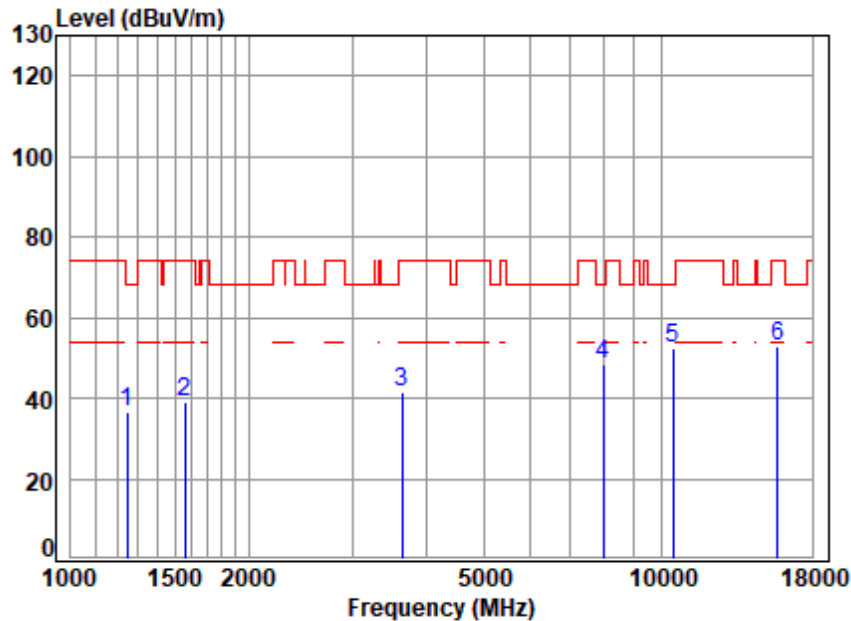
Compliance Certification Services (Kunshan) Inc. Shenzhen Branch

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



Site : chamber
Condition: 3m VERTICAL
Job No : 00304AT
Mode : 5240 TX RSE
Note : 5G WIFI 11N20

		Cable	Ant	Preamp	Read		Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1245.6630	3.25	24.28	52.69	61.57	36.41	68.20	-31.79	peak
2	1560.6730	3.91	24.69	52.89	63.41	39.12	74.00	-34.88	peak
3	3640.0450	7.14	28.94	52.90	58.48	41.66	74.00	-32.34	peak
4	7989.8930	9.41	36.20	53.60	56.59	48.60	68.20	-19.60	peak
5	10480.000	11.06	38.99	53.40	55.96	52.61	68.20	-15.59	peak
6	15720.000	13.50	39.13	53.34	53.47	52.76	74.00	-21.24	peak



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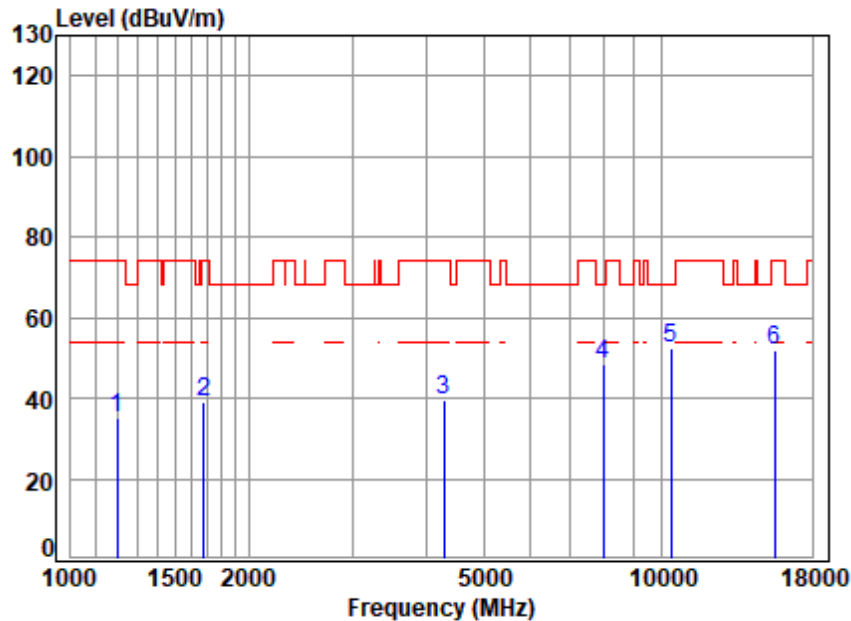
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Test Mode: 01; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 00304AT
Mode : 5190 TX RSE
Note : 5G WIFI 11N40

		Cable	Ant	Preamp	Read		Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1199.7260	3.15	24.30	52.66	60.46	35.25	74.00	-38.75	peak
2	1682.4770	4.16	24.97	52.95	63.10	39.28	74.00	-34.72	peak
3	4291.9770	7.48	29.92	52.89	54.95	39.46	74.00	-34.54	peak
4	7966.8320	9.37	36.21	53.60	56.29	48.27	68.20	-19.93	peak
5	10380.000	11.07	38.87	53.36	55.78	52.36	68.20	-15.84	peak
6	15570.000	13.49	39.64	53.41	52.09	51.81	74.00	-22.19	peak



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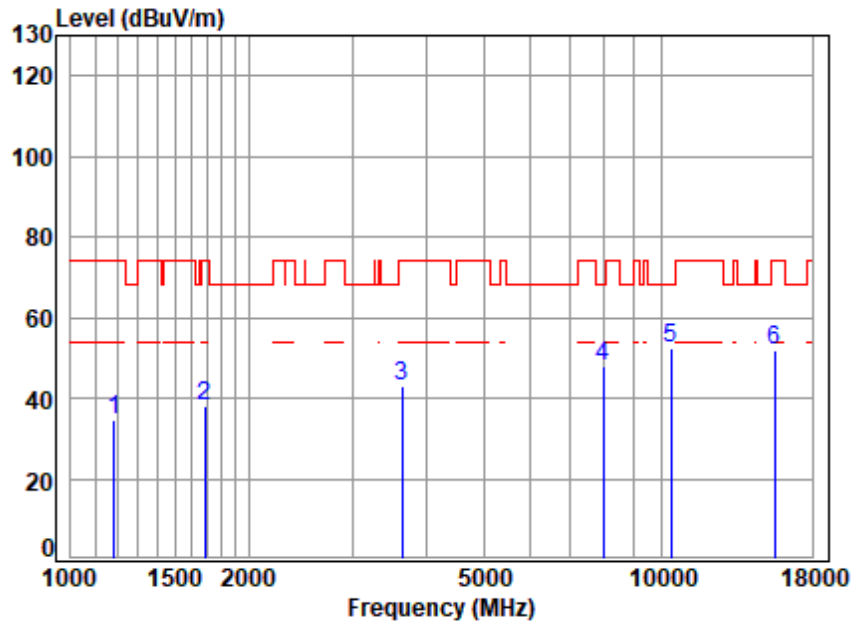
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Test Mode: 01; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



Site : chamber
Condition: 3m VERTICAL
Job No : 00304AT
Mode : 5190 TX RSE
Note : 5G WIFI 11N40

		Cable	Ant	Preamp	Read		Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1182.5130	3.11	24.28	52.65	59.96	34.70	74.00	-39.30	peak
2	1687.3470	4.17	24.98	52.95	61.75	37.95	74.00	-36.05	peak
3	3640.0450	7.14	28.94	52.90	59.60	42.78	74.00	-31.22	peak
4	7989.8930	9.41	36.20	53.60	55.94	47.95	68.20	-20.25	peak
5	10380.000	11.07	38.87	53.36	55.88	52.46	68.20	-15.74	peak
6	15570.000	13.49	39.64	53.41	52.40	52.12	74.00	-21.88	peak



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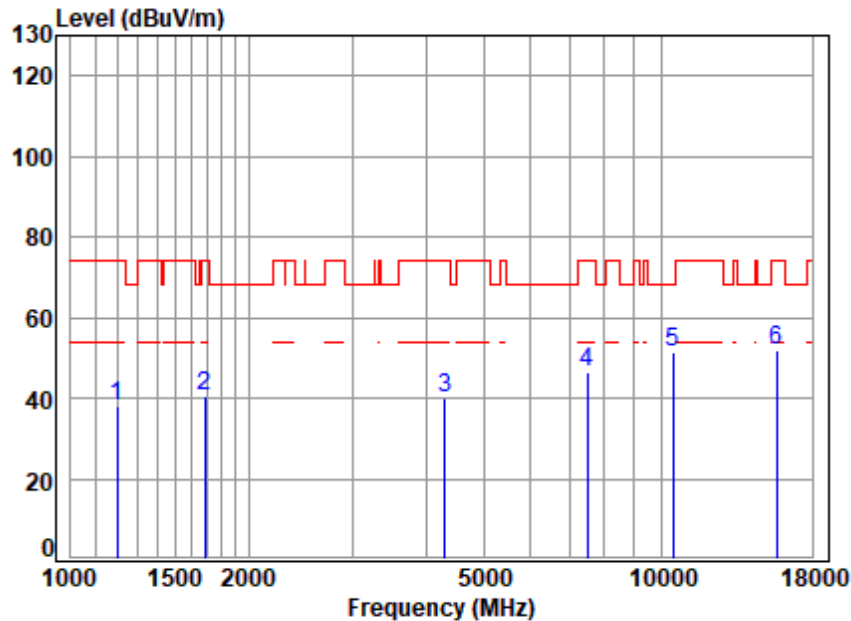
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Test Mode: 01; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:High



Site : chamber
Condition: 3m HORIZONTAL
Job No : 00304AT
Mode : 5230 TX RSE
Note : 5G WIFI 11N40

		Cable	Ant	Preamp	Read		Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1199.7260	3.15	24.30	52.66	63.27	38.06	74.00	-35.94	peak
2	1687.3470	4.17	24.98	52.95	64.14	40.34	74.00	-33.66	peak
3	4304.4000	7.48	29.94	52.90	55.66	40.18	74.00	-33.82	peak
4	7497.6460	8.43	36.40	53.55	55.38	46.66	74.00	-27.34	peak
5	10460.000	11.06	38.97	53.39	54.74	51.38	68.20	-16.82	peak
6	15690.000	13.50	39.23	53.35	52.60	51.98	74.00	-22.02	peak



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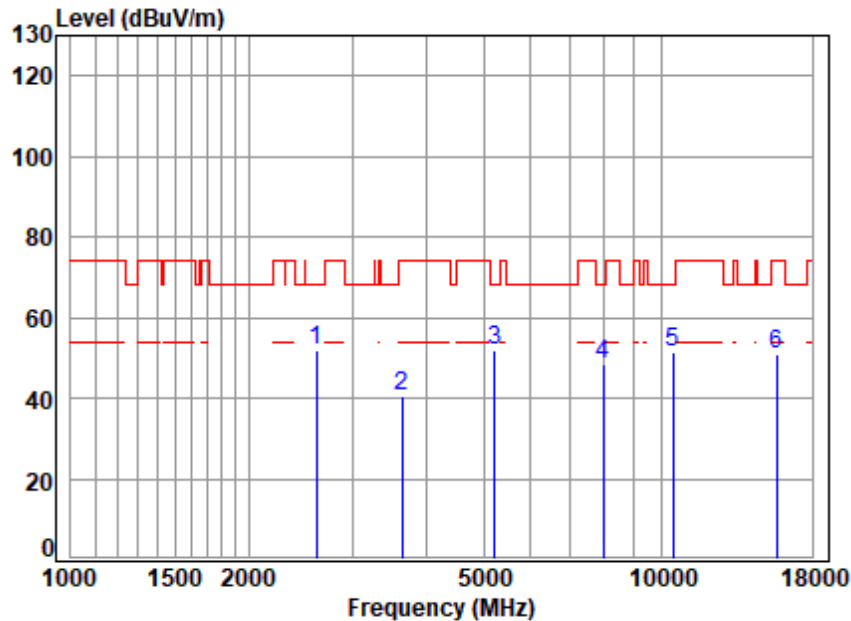
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Report No.: FYCR220800030403

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



Site : chamber
Condition: 3m VERTICAL
Job No : 00304AT
Mode : 5230 TX RSE
Note : 5G WIFI 11N40

		Cable	Ant	Preamp	Read		Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	2603.1260	5.26	27.67	53.10	72.21	52.04	68.20	-16.16	Peak
2	3640.0450	7.14	28.94	52.90	57.39	40.57	74.00	-33.43	peak
3	5224.1530	8.29	31.95	53.03	64.66	51.87	68.20	-16.33	Peak
4	7989.8930	9.41	36.20	53.60	56.24	48.25	68.20	-19.95	peak
5	10460.000	11.06	38.97	53.39	54.63	51.27	68.20	-16.93	peak
6	15690.000	13.50	39.23	53.35	51.73	51.11	74.00	-22.89	peak



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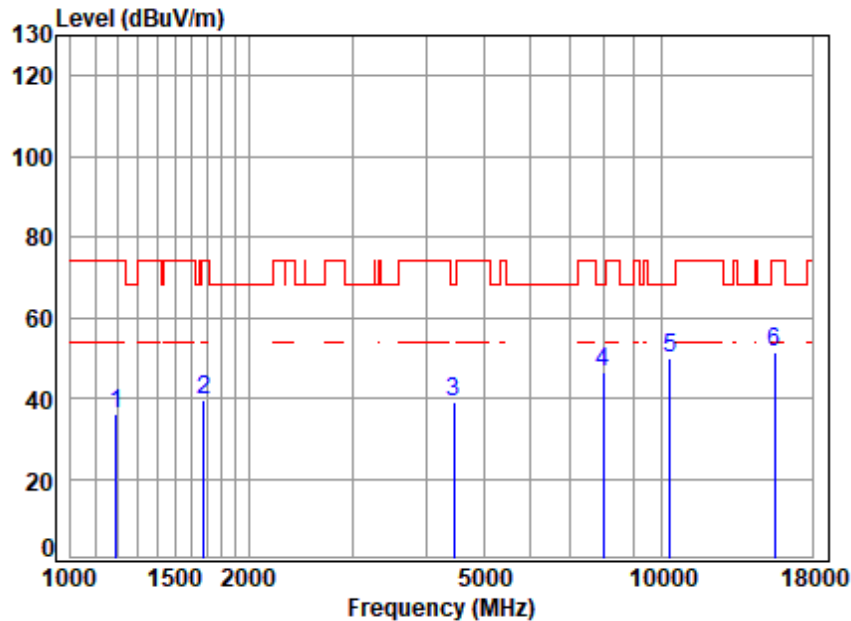
Compliance Certification Services (Kunshan) Inc. Shenzhen Branch

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



Site : chamber
Condition: 3m HORIZONTAL
Job No : 00304AT
Mode : 5180 TX RSE
Note : 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1192.8110	3.13	24.29	52.65	61.31	36.08	74.00	-37.92 peak
2	1677.6210	4.15	24.96	52.95	63.35	39.51	74.00	-34.49 peak
3	4456.3150	7.47	30.14	52.95	54.41	39.07	68.20	-29.13 peak
4	7966.8320	9.37	36.21	53.60	54.58	46.56	68.20	-21.64 peak
5	10360.000	11.08	38.85	53.35	53.16	49.74	68.20	-18.46 peak
6	15540.000	13.49	39.74	53.43	51.68	51.48	74.00	-22.52 peak



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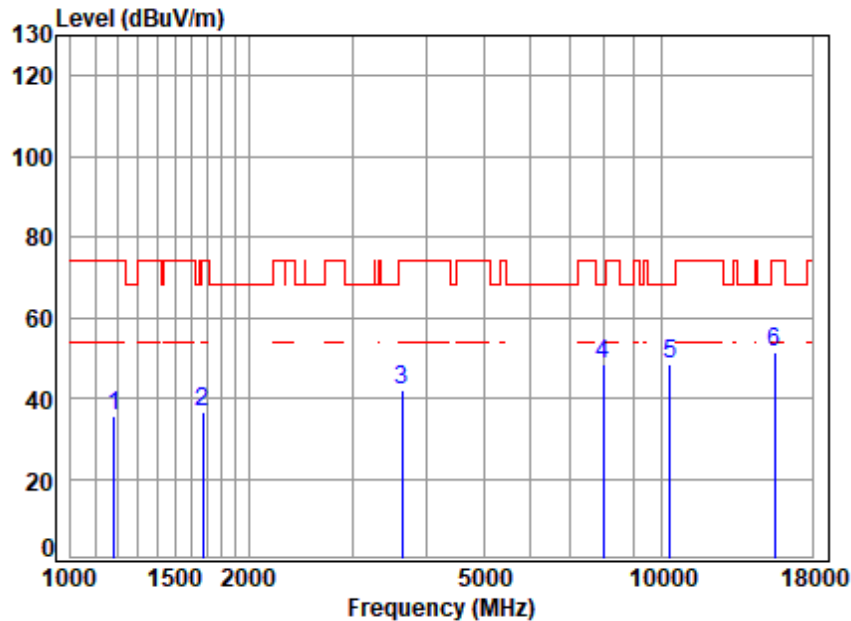
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Test Mode: 01; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:Low



Site : chamber
Condition: 3m VERTICAL
Job No : 00304AT
Mode : 5180 TX RSE
Note : 5G WIFI 11AC20

		Cable	Ant	Preamp	Read		Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1185.9360	3.12	24.29	52.65	60.80	35.56	74.00	-38.44	peak
2	1672.7790	4.14	24.95	52.95	60.55	36.69	74.00	-37.31	peak
3	3640.0450	7.14	28.94	52.90	58.92	42.10	74.00	-31.90	peak
4	7989.8930	9.41	36.20	53.60	56.24	48.25	68.20	-19.95	peak
5	10360.000	11.08	38.85	53.35	51.71	48.29	68.20	-19.91	peak
6	15540.000	13.49	39.74	53.43	51.67	51.47	74.00	-22.53	peak



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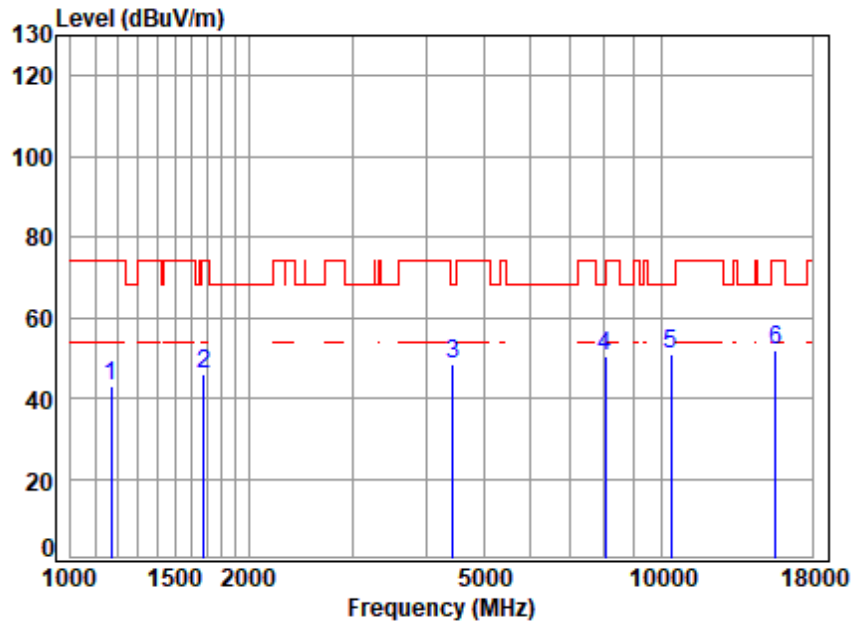
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Test Mode: 01; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:20MHz; Channel:middle



Site : chamber
Condition: 3m HORIZONTAL
Job No : 00304AT
Mode : 5200 TX RSE
Note : 5G WIFI 11AC20

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1168.9200	3.07	24.27	52.64	68.21	42.91	74.00	-31.09	peak
2	1677.6210	4.15	24.96	52.95	69.77	45.93	74.00	-28.07	peak
3	4430.6280	7.47	30.11	52.94	63.77	48.41	68.20	-19.79	peak
4	8036.2140	9.45	36.20	53.62	58.17	50.20	74.00	-23.80	peak
5	10400.000	11.07	38.89	53.36	54.49	51.09	68.20	-17.11	peak
6	15600.000	13.50	39.53	53.40	52.32	51.95	74.00	-22.05	peak



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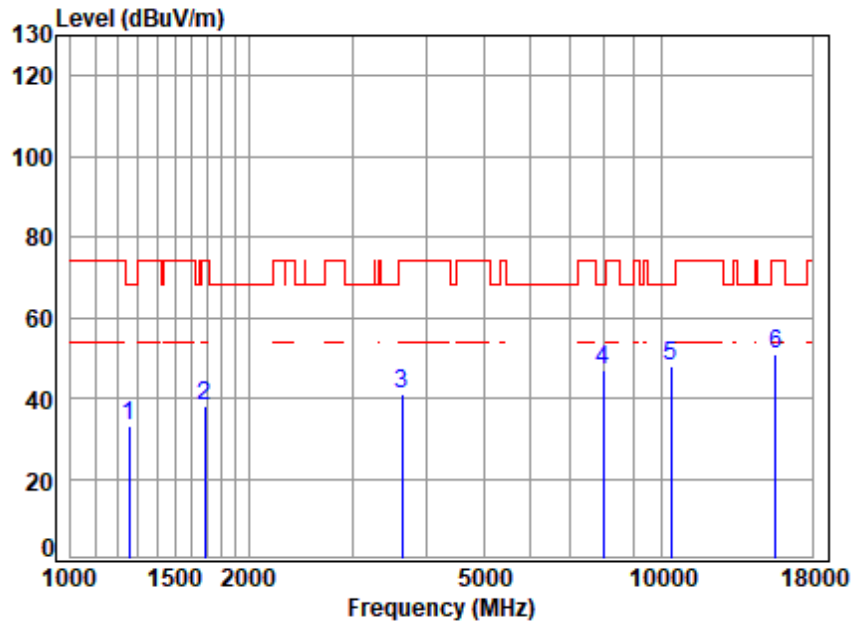
Compliance Certification Services (Kunshan) Inc. Shenzhen Branch

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



Site : chamber
Condition: 3m VERTICAL
Job No : 00304AT
Mode : 5200 TX RSE
Note : 5G WIFI 11AC20

		Cable	Ant	Preamp	Read		Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1256.5120	3.28	24.27	52.70	58.21	33.06	68.20	-35.14	peak
2	1687.3470	4.17	24.98	52.95	61.87	38.07	74.00	-35.93	peak
3	3640.0450	7.14	28.94	52.90	58.08	41.26	74.00	-32.74	peak
4	7989.8930	9.41	36.20	53.60	54.87	46.88	68.20	-21.32	peak
5	10400.000	11.07	38.89	53.36	51.53	48.13	68.20	-20.07	peak
6	15600.000	13.50	39.53	53.40	51.46	51.09	74.00	-22.91	peak



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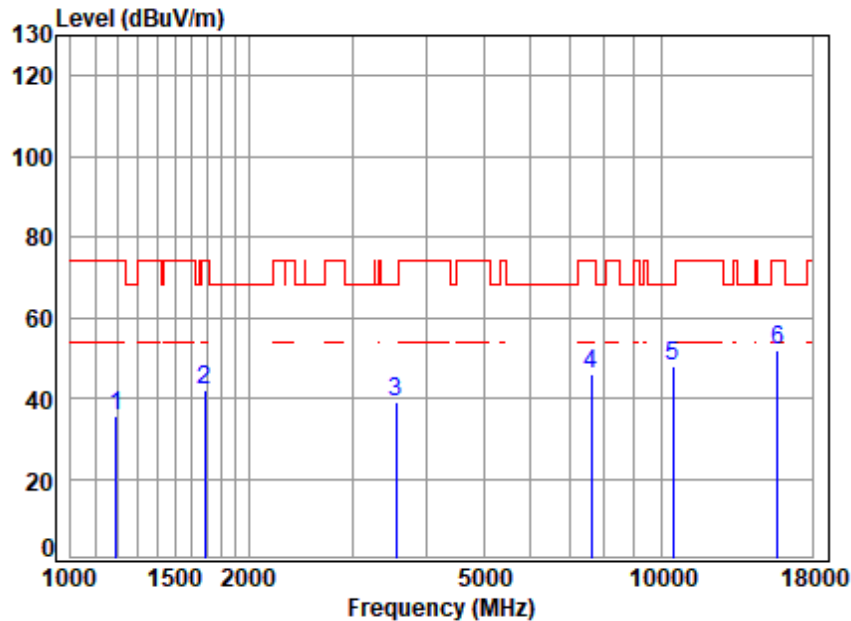
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Test Mode: 01; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:20MHz; Channel:High



Site : chamber
Condition: 3m HORIZONTAL
Job No : 00304AT
Mode : 5240 TX RSE
Note : 5G WIFI 11AC20

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1192.8110	3.13	24.29	52.65	61.00	35.77	74.00	-38.23	peak
2	1687.3470	4.17	24.98	52.95	65.67	41.87	74.00	-32.13	peak
3	3556.8430	7.05	28.80	52.92	56.19	39.12	68.20	-29.08	peak
4	7606.7880	8.65	36.36	53.56	54.61	46.06	74.00	-27.94	peak
5	10480.000	11.06	38.99	53.40	51.38	48.03	68.20	-20.17	peak
6	15720.000	13.50	39.13	53.34	52.76	52.05	74.00	-21.95	peak



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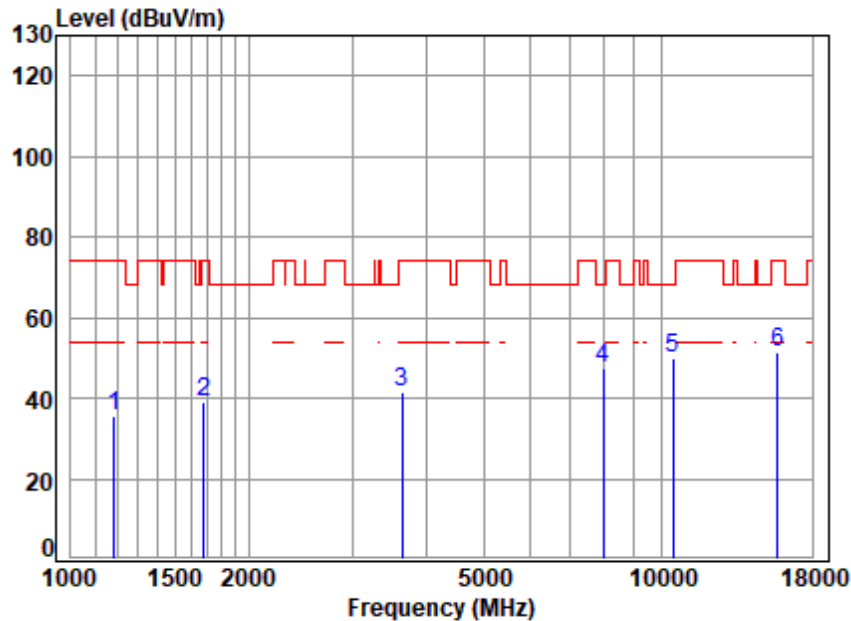
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Test Mode: 01; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:High



Site : chamber
Condition: 3m VERTICAL
Job No : 00304AT
Mode : 5240 TX RSE
Note : 5G WIFI 11AC20

		Cable	Ant	Preamp	Read		Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1185.9360	3.12	24.29	52.65	60.86	35.62	74.00	-38.38	peak
2	1677.6210	4.15	24.96	52.95	63.13	39.29	74.00	-34.71	peak
3	3640.0450	7.14	28.94	52.90	58.58	41.76	74.00	-32.24	peak
4	7989.8930	9.41	36.20	53.60	55.36	47.37	68.20	-20.83	peak
5	10480.000	11.06	38.99	53.40	53.09	49.74	68.20	-18.46	peak
6	15720.000	13.50	39.13	53.34	52.16	51.45	74.00	-22.55	peak



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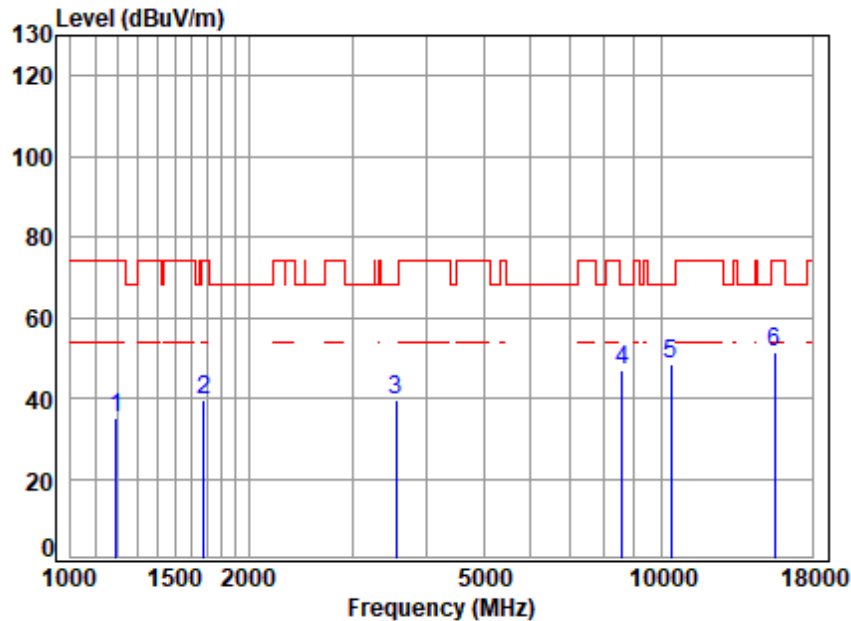
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Test Mode: 01; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:40MHz; Channel:Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 00304AT
Mode : 5190 TX RSE
Note : 5G WIFI 11AC40

		Cable	Ant	Preamp	Read		Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1192.8110	3.13	24.29	52.65	60.47	35.24	74.00	-38.76	peak
2	1677.6210	4.15	24.96	52.95	63.19	39.35	74.00	-34.65	peak
3	3556.8430	7.05	28.80	52.92	56.62	39.55	68.20	-28.65	peak
4	8588.6070	9.87	36.14	53.96	54.91	46.96	68.20	-21.24	peak
5	10380.000	11.07	38.87	53.36	52.00	48.58	68.20	-19.62	peak
6	15570.000	13.49	39.64	53.41	51.52	51.24	74.00	-22.76	peak



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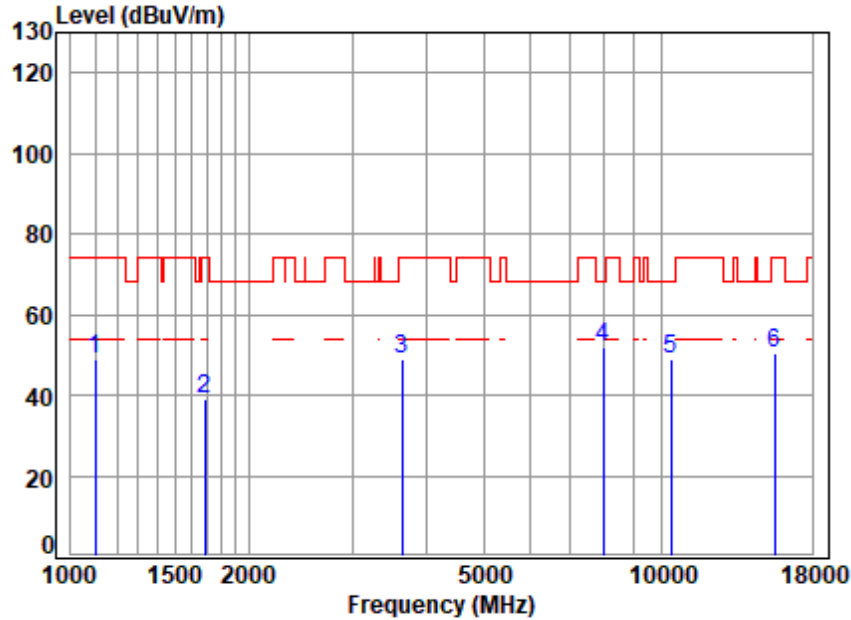
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Test Mode: 01; Polarity: Vertical; Modulation:802.11ac; Bandwidth:40MHz; Channel:Low



Site : chamber
Condition: 3m VERTICAL
Job No : 00304AT
Mode : 5190 TX RSE
Note : 5G WIFI 11AC40

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1100.0790	2.91	24.20	52.58	74.50	49.03	74.00	-24.97	peak
2	1687.3470	4.17	24.98	52.95	63.09	39.29	74.00	-34.71	peak
3	3640.0450	7.14	28.94	52.90	65.63	48.81	74.00	-25.19	peak
4	7989.8930	9.41	36.20	53.60	59.87	51.88	68.20	-16.32	peak
5	10380.000	11.07	38.87	53.36	52.41	48.99	68.20	-19.21	peak
6	15570.000	13.49	39.64	53.41	50.86	50.58	74.00	-23.42	peak



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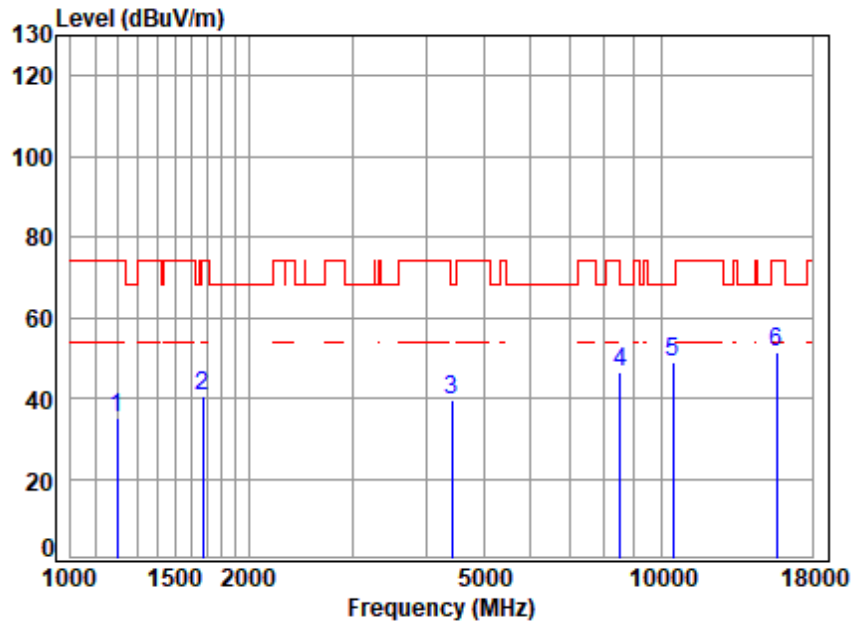
Compliance Certification Services (Kunshan) Inc. Shenzhen Branch

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

Report No.: FYCR220800030403

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



Site : chamber
Condition: 3m HORIZONTAL
Job No : 00304AT
Mode : 5230 TX RSE
Note : 5G WIFI 11AC40

		Cable	Ant	Preamp	Read		Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1196.2640	3.14	24.30	52.66	60.25	35.03	74.00	-38.97	peak
2	1672.7790	4.14	24.95	52.95	64.40	40.54	74.00	-33.46	peak
3	4417.8410	7.47	30.09	52.93	55.14	39.77	68.20	-28.43	peak
4	8514.4560	9.70	36.15	53.92	54.43	46.36	68.20	-21.84	peak
5	10460.000	11.06	38.97	53.39	52.18	48.82	68.20	-19.38	peak
6	15690.000	13.50	39.23	53.35	51.84	51.22	74.00	-22.78	peak



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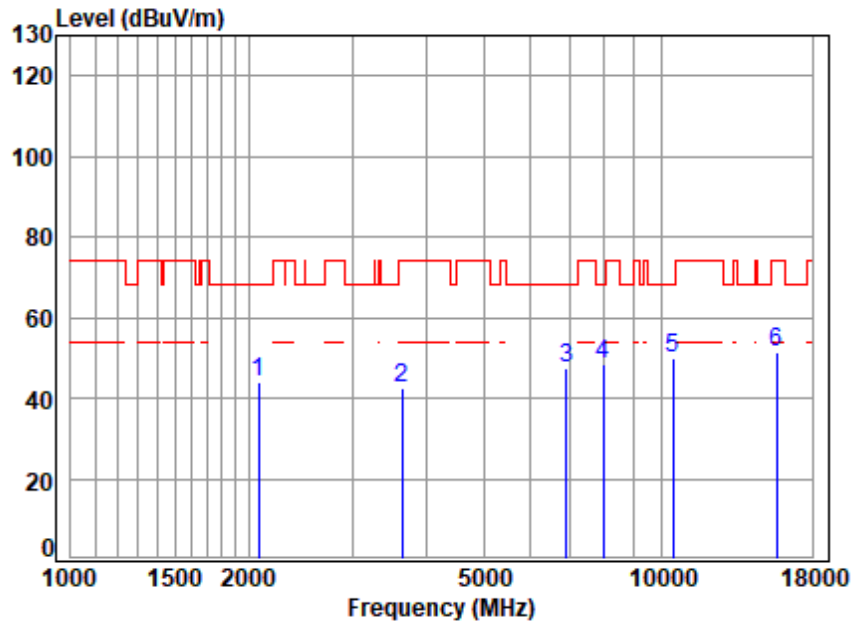
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Test Mode: 01; Polarity: Vertical; Modulation:802.11ac; Bandwidth:40MHz; Channel:High



Site : chamber
Condition: 3m VERTICAL
Job No : 00304AT
Mode : 5230 TX RSE
Note : 5G WIFI 11AC40

		Cable	Ant	Preamp	Read		Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	2083.7190	4.82	26.42	53.10	66.05	44.19	68.20	-24.01	Peak
2	3640.0450	7.14	28.94	52.90	59.14	42.32	74.00	-31.68	peak
3	6914.7630	8.11	35.60	53.44	56.98	47.25	68.20	-20.95	Peak
4	7966.8320	9.37	36.21	53.60	56.23	48.21	68.20	-19.99	peak
5	10460.000	11.06	38.97	53.39	53.35	49.99	68.20	-18.21	peak
6	15690.000	13.50	39.23	53.35	51.82	51.20	74.00	-22.80	peak



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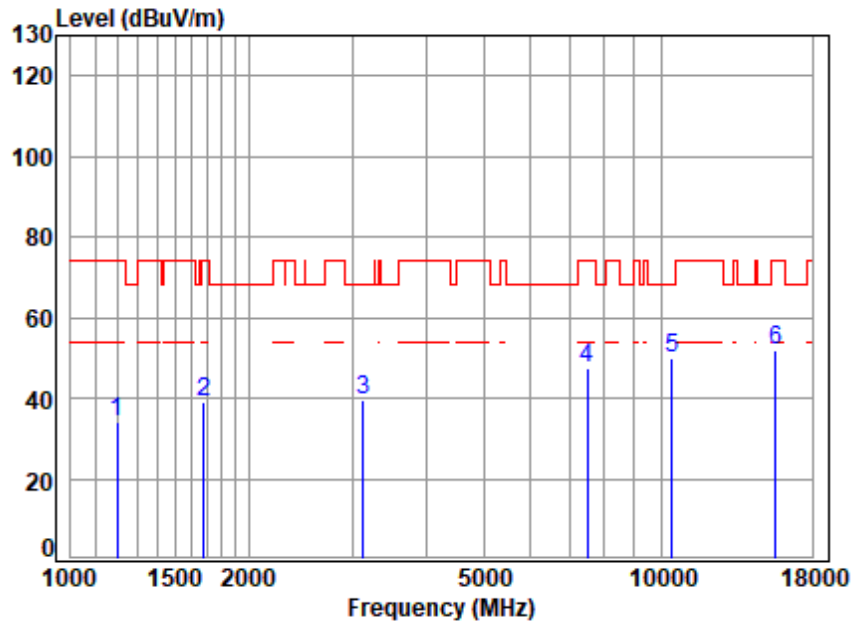
Compliance Certification Services (Kunshan) Inc. Shenzhen Branch

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



Site : chamber
Condition: 3m HORIZONTAL
Job No : 00304AT
Mode : 5210 TX RSE
Note : 5G WIFI 11AC80

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1196.2640	3.14	24.30	52.66	59.51	34.29	74.00	-39.71	peak
2	1677.6210	4.15	24.96	52.95	63.12	39.28	74.00	-34.72	peak
3	3123.0390	6.05	28.63	53.06	57.77	39.39	68.20	-28.81	peak
4	7497.6460	8.43	36.40	53.55	56.03	47.31	74.00	-26.69	peak
5	10420.000	11.07	38.92	53.37	53.50	50.12	68.20	-18.08	peak
6	15630.000	13.50	39.43	53.38	52.19	51.74	74.00	-22.26	peak



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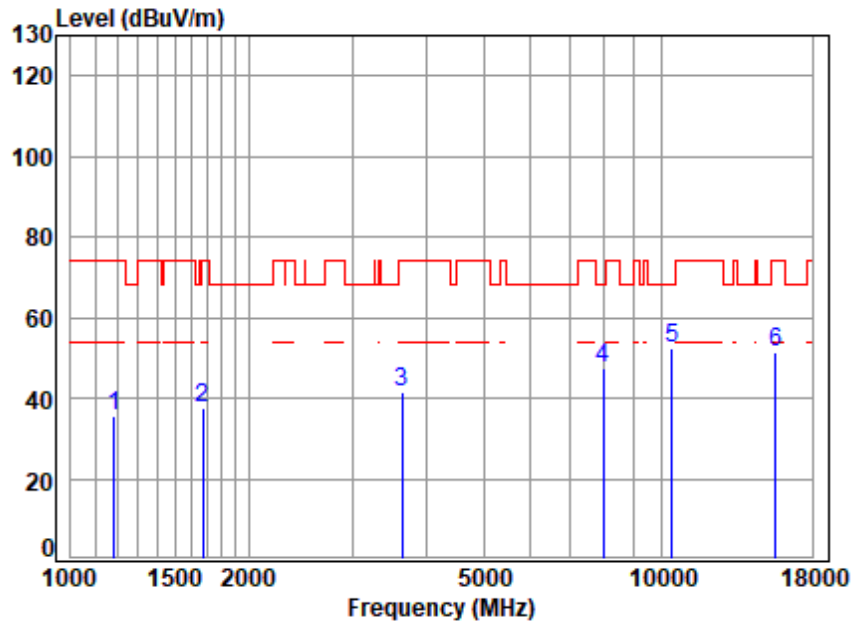
Compliance Certification Services (Kunshan) Inc. Shenzhen Branch

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Report No.: FYCR220800030403

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



Site : chamber
Condition: 3m VERTICAL
Job No : 00304AT
Mode : 5210 TX RSE
Note : 5G WIFI 11AC80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1185.9360	3.12	24.29	52.65	60.71	35.47	74.00	-38.53 peak
2	1672.7790	4.14	24.95	52.95	61.47	37.61	74.00	-36.39 peak
3	3640.0450	7.14	28.94	52.90	58.53	41.71	74.00	-32.29 peak
4	7989.8930	9.41	36.20	53.60	55.46	47.47	68.20	-20.73 peak
5	10420.000	11.07	38.92	53.37	55.62	52.24	68.20	-15.96 peak
6	15630.000	13.50	39.43	53.38	51.91	51.46	74.00	-22.54 peak



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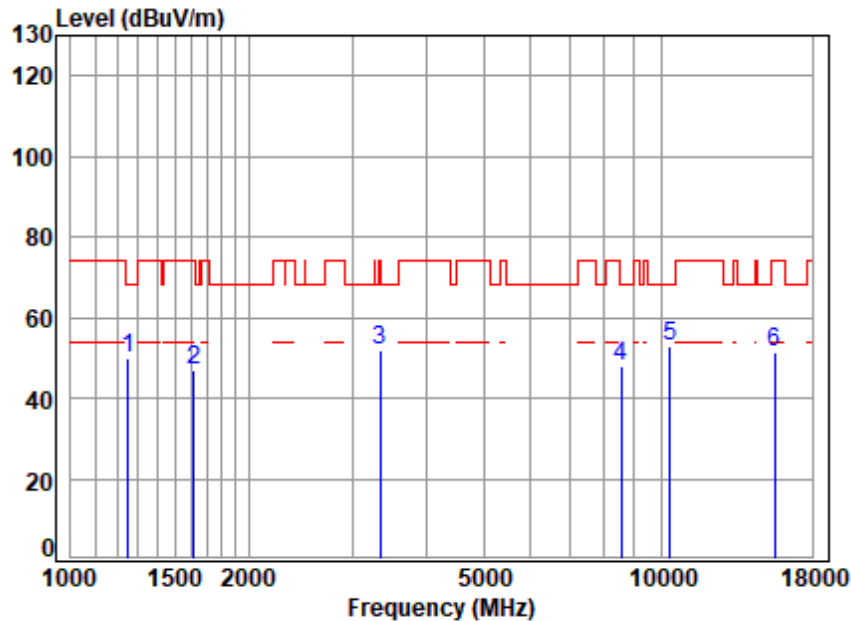
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Test Mode: 01; Polarity: Horizontal; Modulation: 02.11ax(Full RU0); Bandwidth:20MHz; Channel:Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 00304AT
Mode : 5180 TX RSE
Note : 5G WIFI 11AX20

		Cable	Ant	Preamp	Read		Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1249.2690	3.26	24.27	52.69	75.32	50.16	68.20	-18.04	peak
2	1615.7540	4.02	24.83	52.92	70.91	46.84	74.00	-27.16	peak
3	3337.7100	6.60	28.67	52.99	69.76	52.04	74.00	-21.96	peak
4	8563.8180	9.81	36.14	53.95	55.82	47.82	68.20	-20.38	peak
5	10360.000	11.08	38.85	53.35	56.39	52.97	68.20	-15.23	peak
6	15540.000	13.49	39.74	53.43	51.58	51.38	74.00	-22.62	peak



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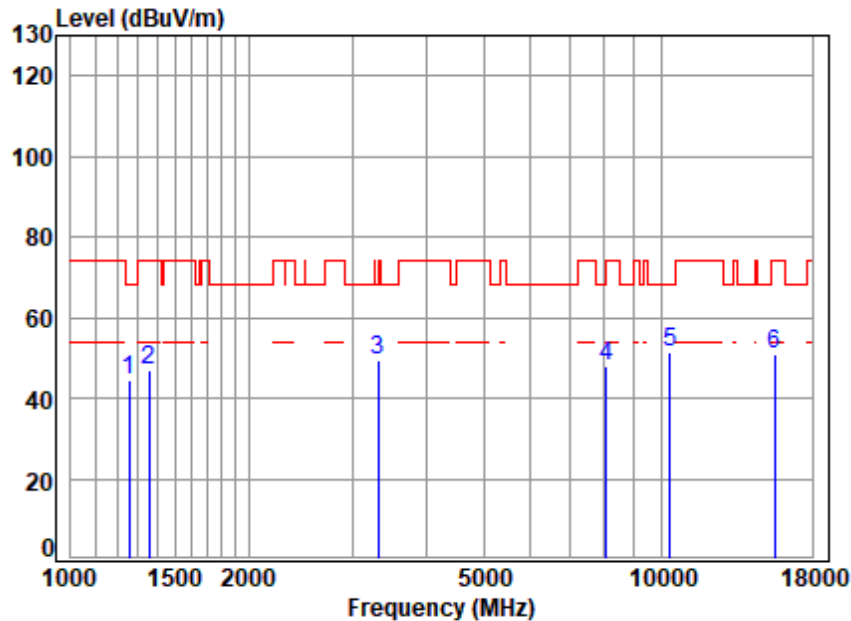
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Test Mode: 01; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:Low



Site : chamber
Condition: 3m VERTICAL
Job No : 00304AT
Mode : 5180 TX RSE
Note : 5G WIFI 11AX20

		Cable	Ant	Preamp	Read		Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1256.5120	3.28	24.27	52.70	69.81	44.66	68.20	-23.54	peak
2	1358.4980	3.49	24.22	52.77	71.91	46.85	74.00	-27.15	peak
3	3318.4710	6.55	28.67	52.99	67.09	49.32	68.20	-18.88	peak
4	8059.4750	9.46	36.19	53.64	56.08	48.09	74.00	-25.91	peak
5	10360.000	11.08	38.85	53.35	54.59	51.17	68.20	-17.03	peak
6	15540.000	13.49	39.74	53.43	51.15	50.95	74.00	-23.05	peak



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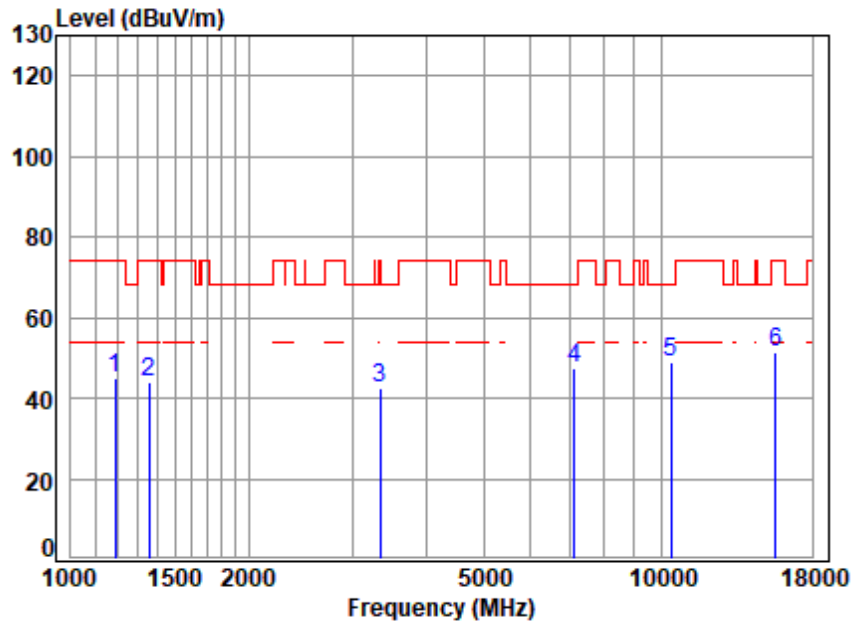
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Test Mode: 01; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:middle



Site : chamber
Condition: 3m HORIZONTAL
Job No : 00304AT
Mode : 5200 TX RSE
Note : 5G WIFI 11AX20

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1189.3680	3.12	24.29	52.65	70.38	45.14	74.00	-28.86	peak
2	1358.4980	3.49	24.22	52.77	69.05	43.99	74.00	-30.01	peak
3	3337.7100	6.60	28.67	52.99	60.32	42.60	74.00	-31.40	peak
4	7117.5420	8.25	35.94	53.51	56.76	47.44	68.20	-20.76	peak
5	10400.000	11.07	38.89	53.36	52.57	49.17	68.20	-19.03	peak
6	15600.000	13.50	39.53	53.40	51.66	51.29	74.00	-22.71	peak



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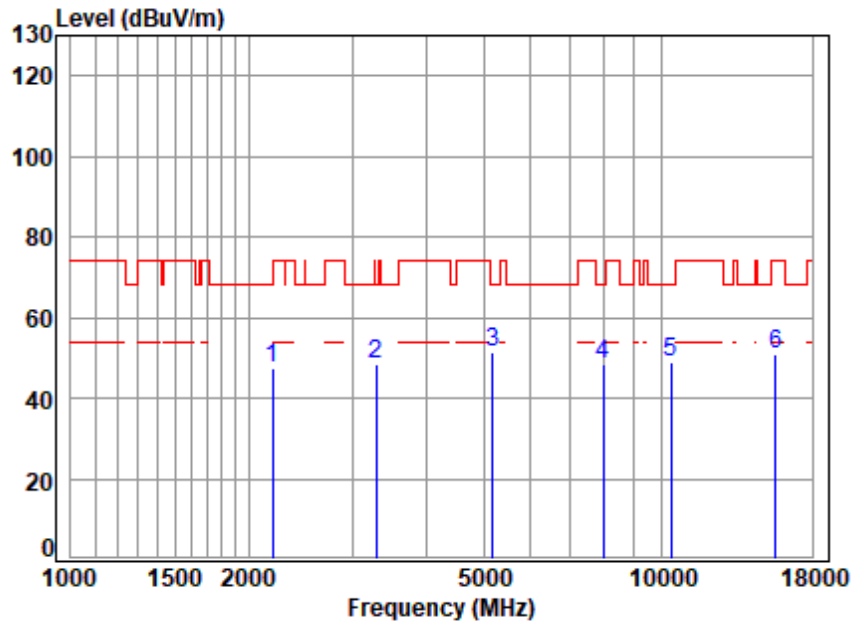
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Test Mode: 01; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:middle



Site : chamber
Condition: 3m VERTICAL
Job No : 00304AT
Mode : 5200 TX RSE
Note : 5G WIFI 11AX20

		Cable	Ant	Preamp	Read		Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	2194.9980	4.91	26.70	53.10	69.16	47.67	68.20	-20.53	Peak
2	3289.8210	6.48	28.66	53.00	66.37	48.51	68.20	-19.69	peak
3	5179.0490	8.29	31.84	53.04	64.52	51.61	68.20	-16.59	Peak
4	7966.8320	9.37	36.21	53.60	56.70	48.68	68.20	-19.52	peak
5	10400.000	11.07	38.89	53.36	52.23	48.83	68.20	-19.37	peak
6	15600.000	13.50	39.53	53.40	51.36	50.99	74.00	-23.01	peak



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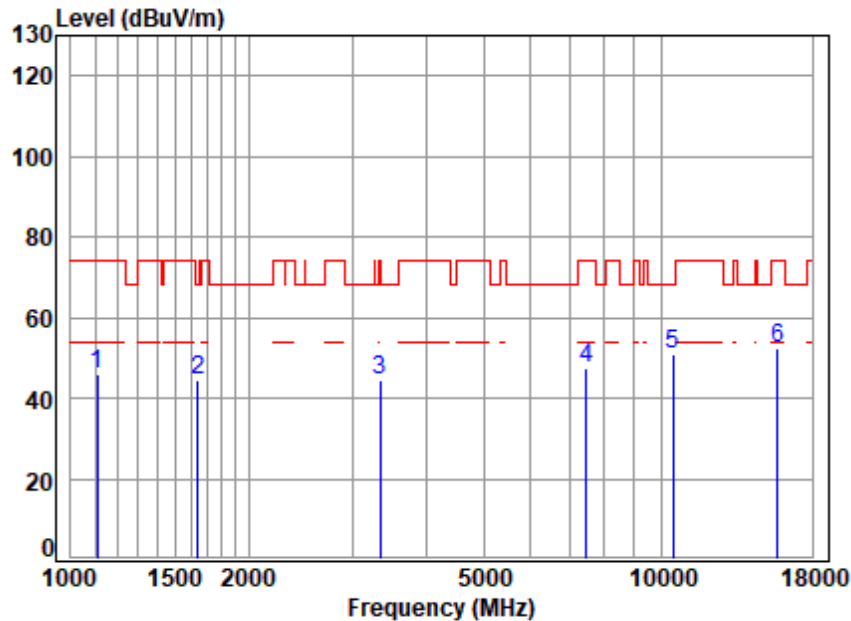
Compliance Certification Services (Kunshan) Inc. Shenzhen Branch

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Report No.: FYCR220800030403

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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 : 00304AT
Mode : 5240 TX RSE
Note : 5G WIFI 11AX20

		Cable	Ant	Preamp	Read		Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1109.6600	2.93	24.21	52.59	71.27	45.82	74.00	-28.18	peak
2	1644.0190	4.08	24.89	52.93	68.65	44.69	68.20	-23.51	peak
3	3337.7100	6.60	28.67	52.99	62.43	44.71	74.00	-29.29	peak
4	7476.0060	8.42	36.37	53.55	56.00	47.24	74.00	-26.76	peak
5	10480.000	11.06	38.99	53.40	54.47	51.12	68.20	-17.08	peak
6	15720.000	13.50	39.13	53.34	53.10	52.39	74.00	-21.61	peak



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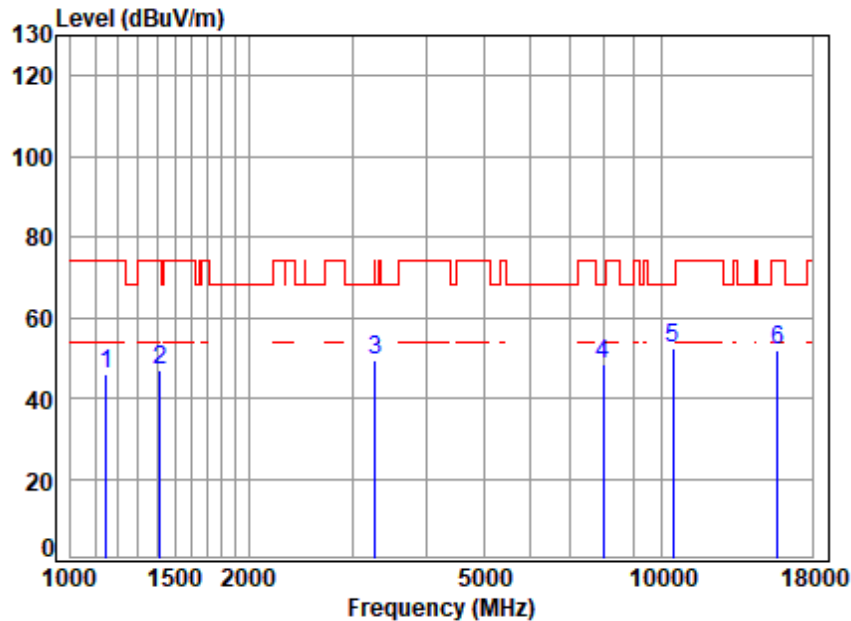
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Test Mode: 01; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:High



Site : chamber
Condition: 3m VERTICAL
Job No : 00304AT
Mode : 5240 TX RSE
Note : 5G WIFI 11AX20

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1148.8230	3.03	24.25	52.62	71.44	46.10	74.00	-27.90	peak
2	1418.6920	3.61	24.26	52.80	72.12	47.19	74.00	-26.81	peak
3	3280.3260	6.46	28.66	53.01	67.55	49.66	68.20	-18.54	peak
4	7966.8320	9.37	36.21	53.60	56.37	48.35	68.20	-19.85	peak
5	10480.000	11.06	38.99	53.40	55.62	52.27	68.20	-15.93	peak
6	15720.000	13.50	39.13	53.34	52.84	52.13	74.00	-21.87	peak



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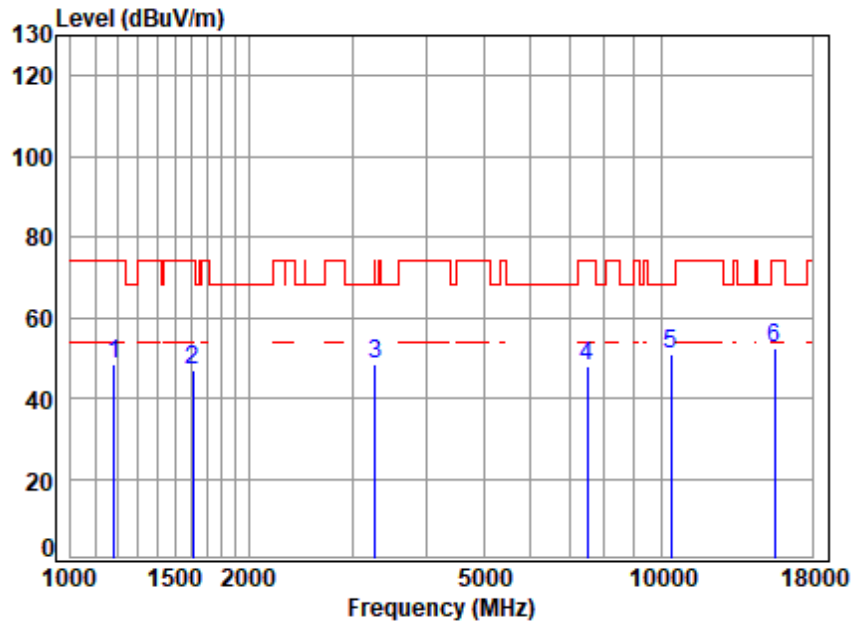
Compliance Certification Services (Kunshan) Inc. Shenzhen Branch

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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 : 00304AT
Mode : 5190 TX RSE
Note : 5G WIFI 11AX40

		Cable	Ant	Preamp	Read		Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1185.9360	3.12	24.29	52.65	73.80	48.56	74.00	-25.44	peak
2	1611.0910	4.01	24.82	52.91	70.92	46.84	74.00	-27.16	peak
3	3280.3260	6.46	28.66	53.01	66.10	48.21	68.20	-19.99	peak
4	7497.6460	8.43	36.40	53.55	56.84	48.12	74.00	-25.88	peak
5	10380.000	11.07	38.87	53.36	54.24	50.82	68.20	-17.38	peak
6	15570.000	13.49	39.64	53.41	52.51	52.23	74.00	-21.77	peak



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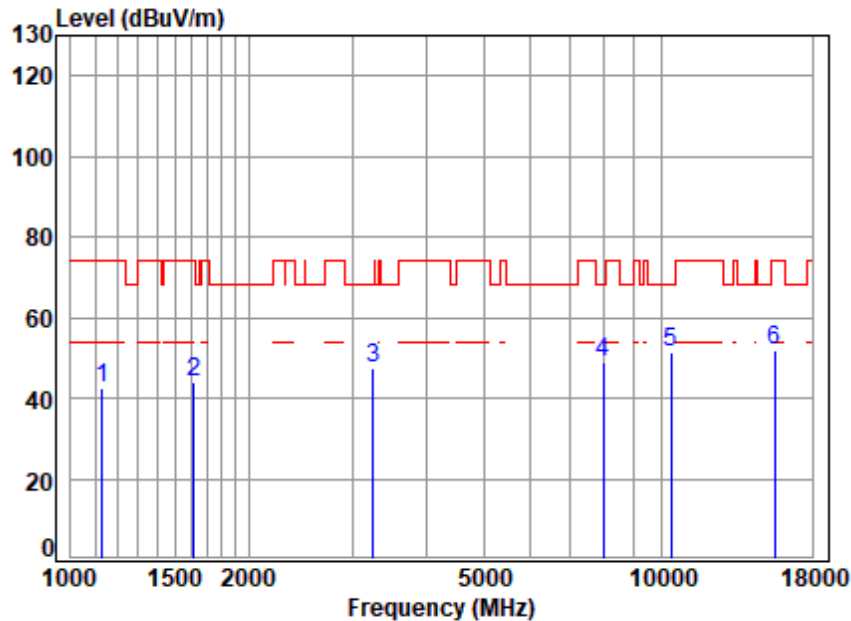
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Test Mode: 01; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:Low



Site : chamber
Condition: 3m VERTICAL
Job No : 00304AT
Mode : 5190 TX RSE
Note : 5G WIFI 11AX40

		Cable	Ant	Preamp	Read		Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1132.3400	2.99	24.24	52.61	68.06	42.68	74.00	-31.32	peak
2	1615.7540	4.02	24.83	52.92	67.86	43.79	74.00	-30.21	peak
3	3252.0050	6.38	28.65	53.02	65.37	47.38	68.20	-20.82	peak
4	7989.8930	9.41	36.20	53.60	56.76	48.77	68.20	-19.43	peak
5	10380.000	11.07	38.87	53.36	55.00	51.58	68.20	-16.62	peak
6	15570.000	13.49	39.64	53.41	52.16	51.88	74.00	-22.12	peak



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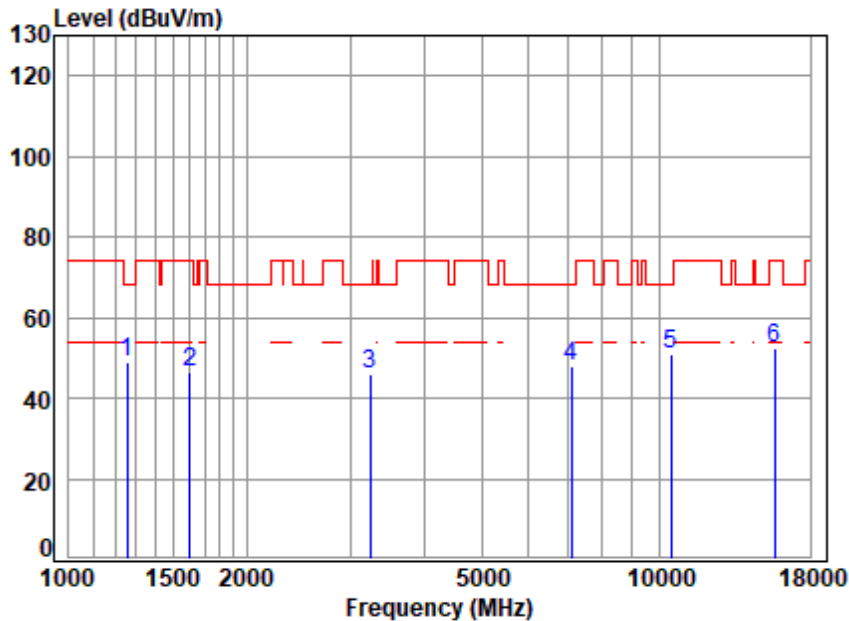
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Test Mode: 01; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:High



Site : chamber
Condition: 3m HORIZONTAL
Job No : 00304AT
Mode : 5230 TX RSE
Note : 5G WIFI 11AX40

		Cable	Ant	Preamp	Read		Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1256.5120	3.28	24.27	52.70	74.12	48.97	68.20	-19.23	peak
2	1606.4410	4.00	24.81	52.91	70.56	46.46	74.00	-27.54	peak
3	3233.2600	6.34	28.65	53.02	64.16	46.13	68.20	-22.07	peak
4	7096.9990	8.24	35.92	53.51	57.36	48.01	68.20	-20.19	peak
5	10460.000	11.06	38.97	53.39	54.05	50.69	68.20	-17.51	peak
6	15690.000	13.50	39.23	53.35	52.95	52.33	74.00	-21.67	peak



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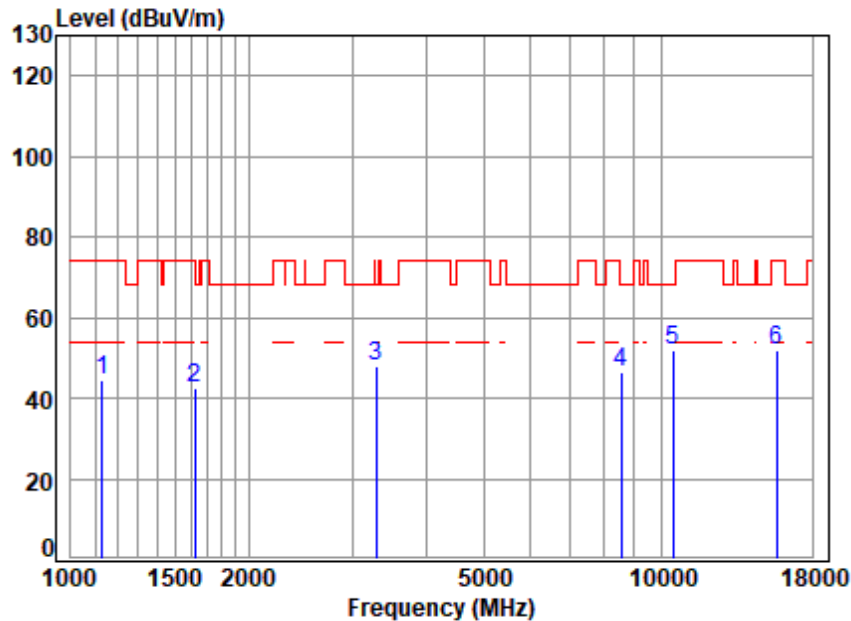
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Test Mode: 01; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:High



Site : chamber
Condition: 3m VERTICAL
Job No : 00304AT
Mode : 5230 TX RSE
Note : 5G WIFI 11AX40

		Cable	Ant	Preamp	Read		Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1132.3400	2.99	24.24	52.61	69.76	44.38	74.00	-29.62	peak
2	1620.4310	4.03	24.84	52.92	66.76	42.71	74.00	-31.29	peak
3	3289.8210	6.48	28.66	53.00	65.76	47.90	68.20	-20.30	peak
4	8539.1020	9.76	36.14	53.93	54.51	46.48	68.20	-21.72	peak
5	10460.000	11.06	38.97	53.39	55.18	51.82	68.20	-16.38	peak
6	15690.000	13.50	39.23	53.35	52.44	51.82	74.00	-22.18	peak



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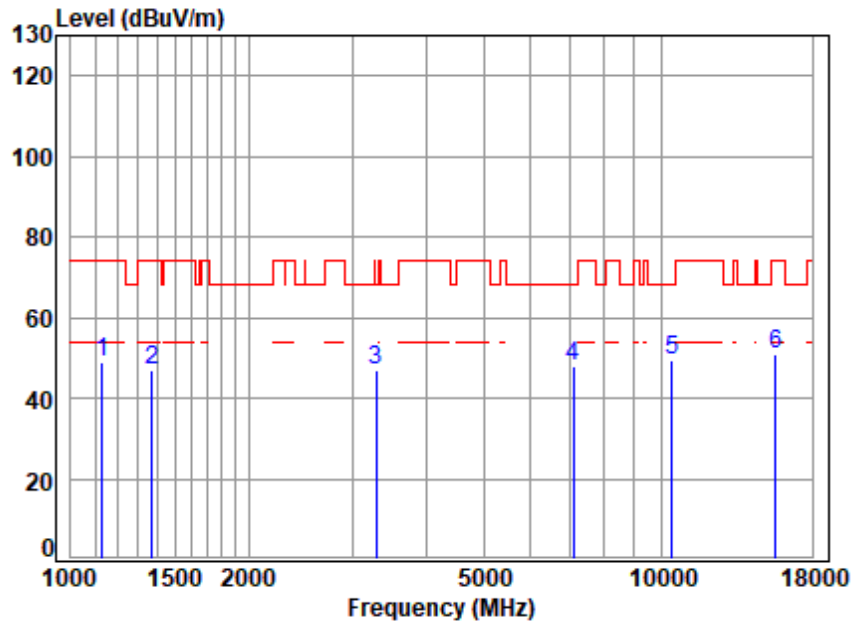
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Test Mode: 01; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:80MHz; Channel:middle



Site : chamber
Condition: 3m HORIZONTAL
Job No : 00304AT
Mode : 5210 TX RSE
Note : 5G WIFI 11AX80

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1129.0720	2.98	24.23	52.61	74.25	48.85	74.00	-25.15	peak
2	1370.3280	3.52	24.21	52.77	71.91	46.87	74.00	-27.13	peak
3	3289.8210	6.48	28.66	53.00	64.58	46.72	68.20	-21.48	peak
4	7096.9990	8.24	35.92	53.51	57.50	48.15	68.20	-20.05	peak
5	10420.000	11.07	38.92	53.37	52.69	49.31	68.20	-18.89	peak
6	15630.000	13.50	39.43	53.38	51.57	51.12	74.00	-22.88	peak



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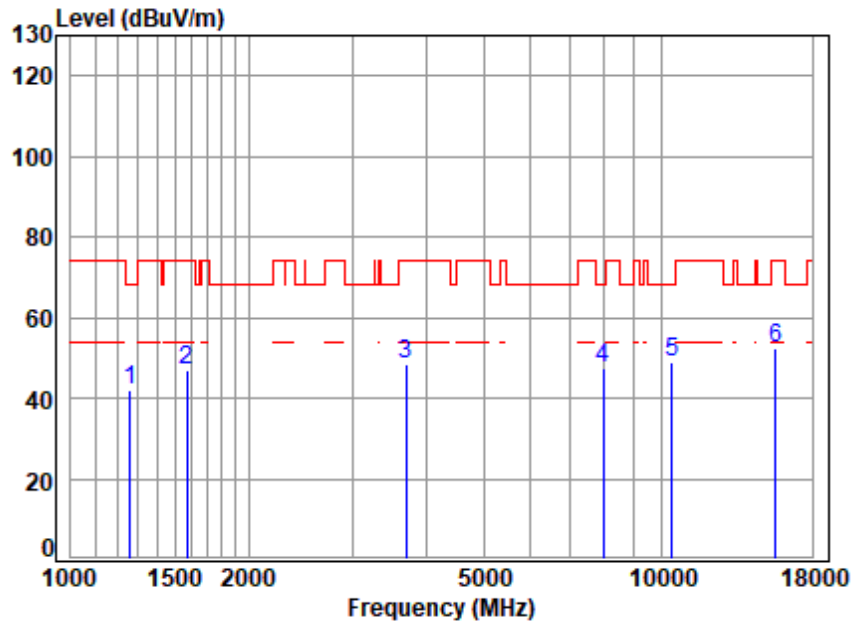
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Test Mode: 01; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:80MHz; Channel:middle



Site : chamber
Condition: 3m VERTICAL
Job No : 00304AT
Mode : 5210 TX RSE
Note : 5G WIFI 11AX80

		Cable	Ant	Preamp	Read		Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1260.1490	3.28	24.27	52.70	67.18	42.03	68.20	-26.17	peak
2	1574.2650	3.93	24.73	52.89	71.22	46.99	74.00	-27.01	peak
3	3693.0330	7.19	29.02	52.88	65.31	48.64	74.00	-25.36	peak
4	7989.8930	9.41	36.20	53.60	55.36	47.37	68.20	-20.83	peak
5	10420.000	11.07	38.92	53.37	52.14	48.76	68.20	-19.44	peak
6	15630.000	13.50	39.43	53.38	52.93	52.48	74.00	-21.52	peak



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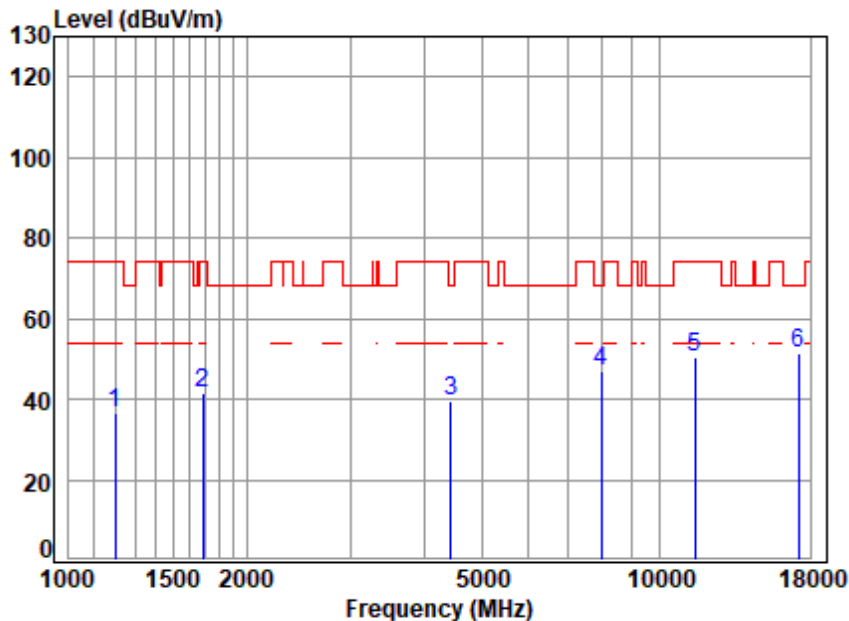
Compliance Certification Services (Kunshan) Inc. Shenzhen Branch

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

Report No.: FYCR220800030403

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



Site : chamber
Condition: 3m HORIZONTAL
Job No : 00304AT
Mode : 5745 TX RSE
Note : 5G WIFI 11A

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1196.2640	3.14	24.30	52.66	62.03	36.81	74.00	-37.19	peak
2	1687.3470	4.17	24.98	52.95	65.18	41.38	74.00	-32.62	peak
3	4443.4530	7.47	30.12	52.94	55.00	39.65	68.20	-28.55	peak
4	7989.8930	9.41	36.20	53.60	55.06	47.07	68.20	-21.13	peak
5	11490.000	11.60	39.70	53.80	52.81	50.31	74.00	-23.69	peak
6	17235.000	14.39	42.87	52.46	46.77	51.57	68.20	-16.63	peak



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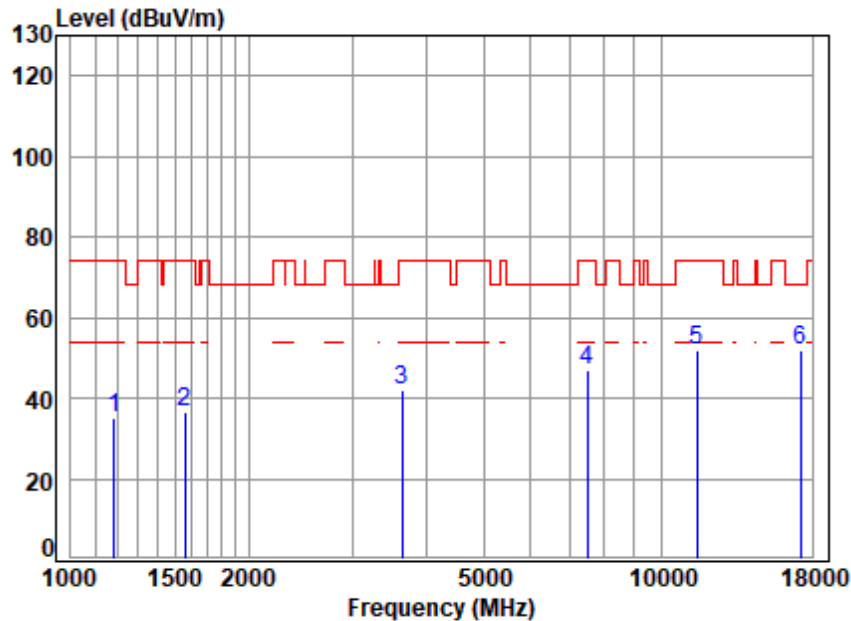
Compliance Certification Services (Kunshan) Inc. Shenzhen Branch

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



Site : chamber
Condition: 3m VERTICAL
Job No : 00304AT
Mode : 5745 TX RSE
Note : 5G WIFI 11A

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1182.5130	3.11	24.28	52.65	60.28	35.02	74.00	-38.98	peak
2	1560.6730	3.91	24.69	52.89	60.98	36.69	74.00	-37.31	peak
3	3640.0450	7.14	28.94	52.90	58.76	41.94	74.00	-32.06	peak
4	7497.6460	8.43	36.40	53.55	55.70	46.98	74.00	-27.02	peak
5	11490.000	11.60	39.70	53.80	54.24	51.74	74.00	-22.26	peak
6	17235.000	14.39	42.87	52.46	46.87	51.67	68.20	-16.53	peak



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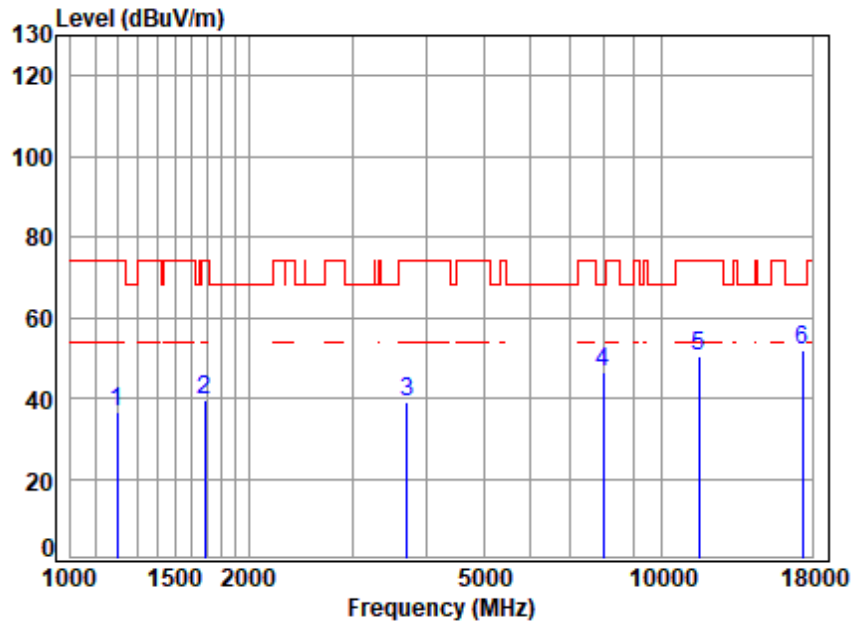
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SZCCS-TRF-01 Rev. A/0 Aug01,2022

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



Site : chamber
Condition: 3m HORIZONTAL
Job No : 00304AT
Mode : 5785 TX RSE
Note : 5G WIFI 11A

		Cable	Ant	Preamp	Read		Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1196.2640	3.14	24.30	52.66	61.58	36.36	74.00	-37.64	peak
2	1687.3470	4.17	24.98	52.95	63.59	39.79	74.00	-34.21	peak
3	3714.4430	7.21	29.06	52.88	55.84	39.23	74.00	-34.77	peak
4	7989.8930	9.41	36.20	53.60	54.30	46.31	68.20	-21.89	peak
5	11570.000	11.60	39.72	53.83	52.91	50.40	74.00	-23.60	peak
6	17355.000	14.44	43.52	52.38	46.44	52.02	68.20	-16.18	peak



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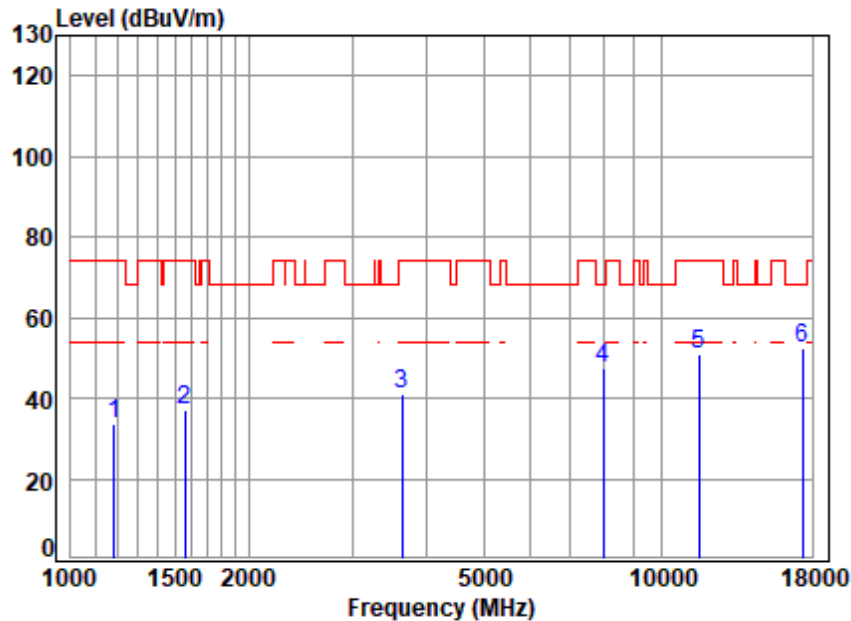
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SZCCS-TRF-01 Rev. A/0 Aug01,2022

Report No.: FYCR220800030403

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



Site : chamber
Condition: 3m VERTICAL
Job No : 00304AT
Mode : 5785 TX RSE
Note : 5G WIFI 11A

		Cable	Ant	Preamp	Read		Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1182.5130	3.11	24.28	52.65	59.11	33.85	74.00	-40.15	peak
2	1560.6730	3.91	24.69	52.89	61.25	36.96	74.00	-37.04	peak
3	3640.0450	7.14	28.94	52.90	57.66	40.84	74.00	-33.16	peak
4	7989.8930	9.41	36.20	53.60	55.30	47.31	68.20	-20.89	peak
5	11570.000	11.60	39.72	53.83	53.28	50.77	74.00	-23.23	peak
6	17355.000	14.44	43.52	52.38	46.69	52.27	68.20	-15.93	peak



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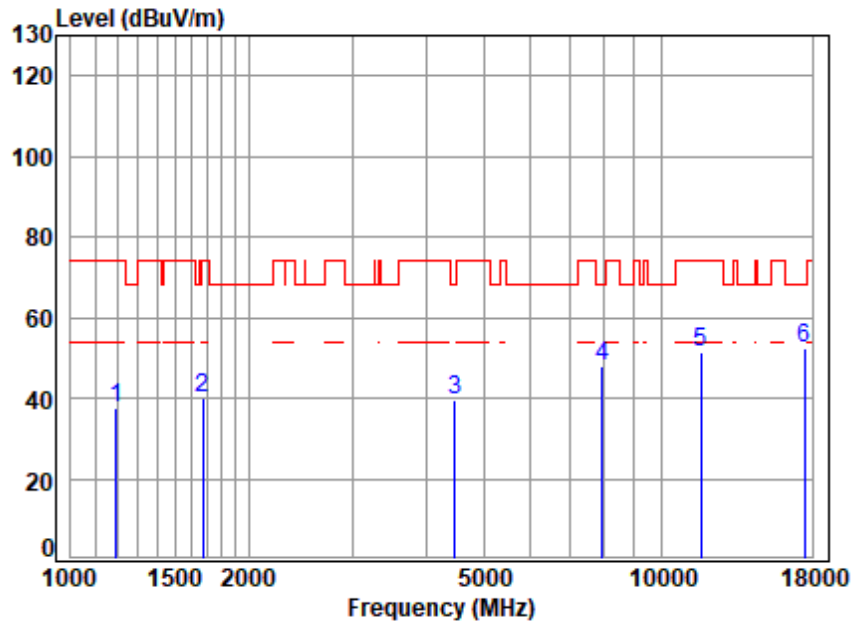
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Test Mode: 02; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Site : chamber
Condition: 3m HORIZONTAL
Job No : 00304AT
Mode : 5825 TX RSE
Note : 5G WIFI 11A

		Cable	Ant	Preamp	Read		Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1192.8110	3.13	24.29	52.65	63.04	37.81	74.00	-36.19	peak
2	1672.7790	4.14	24.95	52.95	64.12	40.26	74.00	-33.74	peak
3	4469.2140	7.47	30.16	52.95	55.05	39.73	68.20	-28.47	peak
4	7943.8380	9.32	36.22	53.59	56.24	48.19	68.20	-20.01	peak
5	11650.000	11.60	39.73	53.86	53.78	51.25	74.00	-22.75	peak
6	17475.000	14.48	44.16	52.31	46.11	52.44	68.20	-15.76	peak



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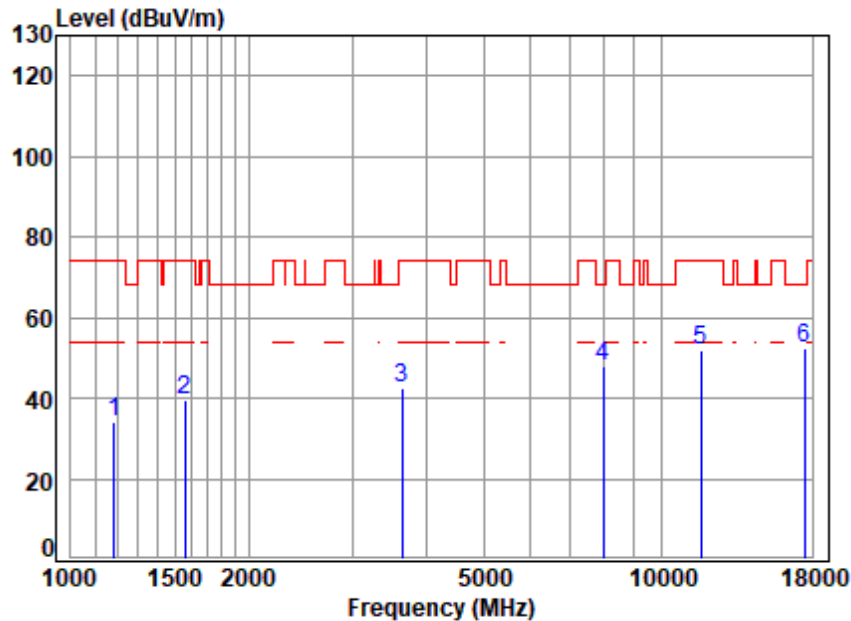
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Test Mode: 02; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Site : chamber
Condition: 3m VERTICAL
Job No : 00304AT
Mode : 5825 TX RSE
Note : 5G WIFI 11A

		Cable	Ant	Preamp	Read		Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1182.5130	3.11	24.28	52.65	59.27	34.01	74.00	-39.99	peak
2	1560.6730	3.91	24.69	52.89	63.70	39.41	74.00	-34.59	peak
3	3640.0450	7.14	28.94	52.90	59.42	42.60	74.00	-31.40	peak
4	7989.8930	9.41	36.20	53.60	55.95	47.96	68.20	-20.24	peak
5	11650.000	11.60	39.73	53.86	54.47	51.94	74.00	-22.06	peak
6	17475.000	14.48	44.16	52.31	46.19	52.52	68.20	-15.68	peak



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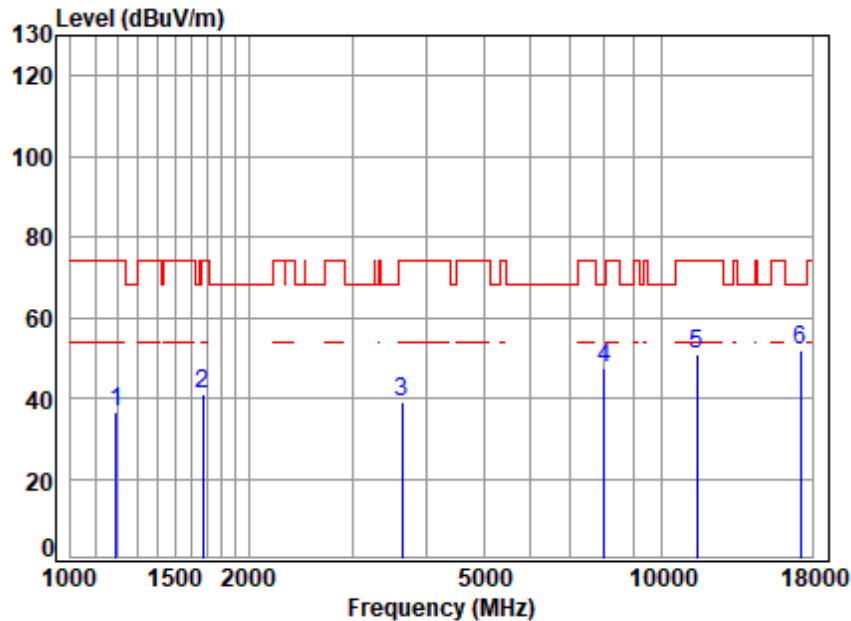
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Test Mode: 02; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 00304AT
Mode : 5745 TX RSE
Note : 5G WIFI 11N20

		Cable	Ant	Preamp	Read		Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1192.8110	3.13	24.29	52.65	61.59	36.36	74.00	-37.64	peak
2	1672.7790	4.14	24.95	52.95	64.65	40.79	74.00	-33.21	peak
3	3640.0450	7.14	28.94	52.90	55.71	38.89	74.00	-35.11	peak
4	8013.0200	9.44	36.20	53.61	55.43	47.46	68.20	-20.74	peak
5	11490.000	11.60	39.70	53.80	53.59	51.09	74.00	-22.91	peak
6	17235.000	14.39	42.87	52.46	47.09	51.89	68.20	-16.31	peak



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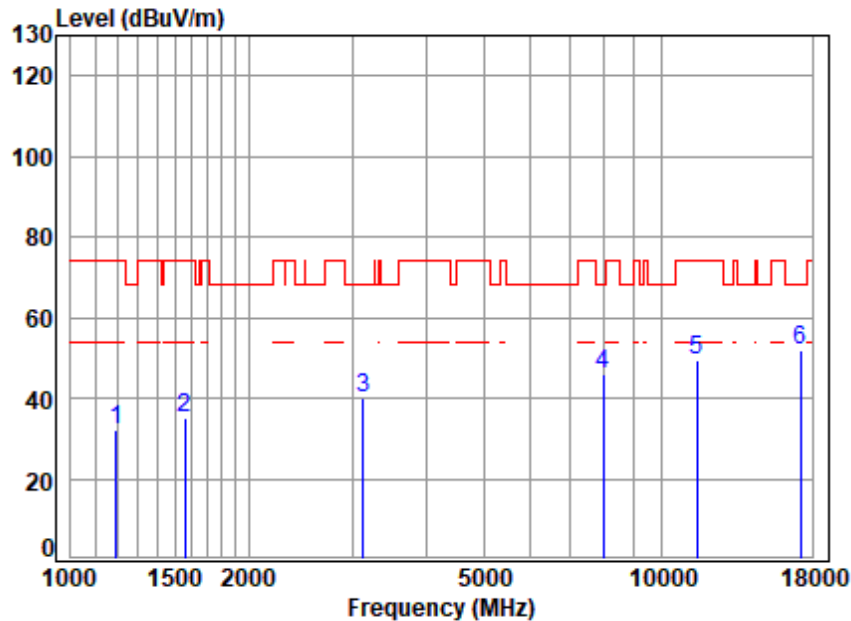
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Test Mode: 02; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



Site : chamber
Condition: 3m VERTICAL
Job No : 00304AT
Mode : 5745 TX RSE
Note : 5G WIFI 11N20

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1192.8110	3.13	24.29	52.65	57.52	32.29	74.00	-41.71	peak
2	1560.6730	3.91	24.69	52.89	59.61	35.32	74.00	-38.68	peak
3	3123.0390	6.05	28.63	53.06	58.42	40.04	68.20	-28.16	peak
4	7989.8930	9.41	36.20	53.60	54.07	46.08	68.20	-22.12	peak
5	11490.000	11.60	39.70	53.80	51.98	49.48	74.00	-24.52	peak
6	17235.000	14.39	42.87	52.46	47.08	51.88	68.20	-16.32	peak



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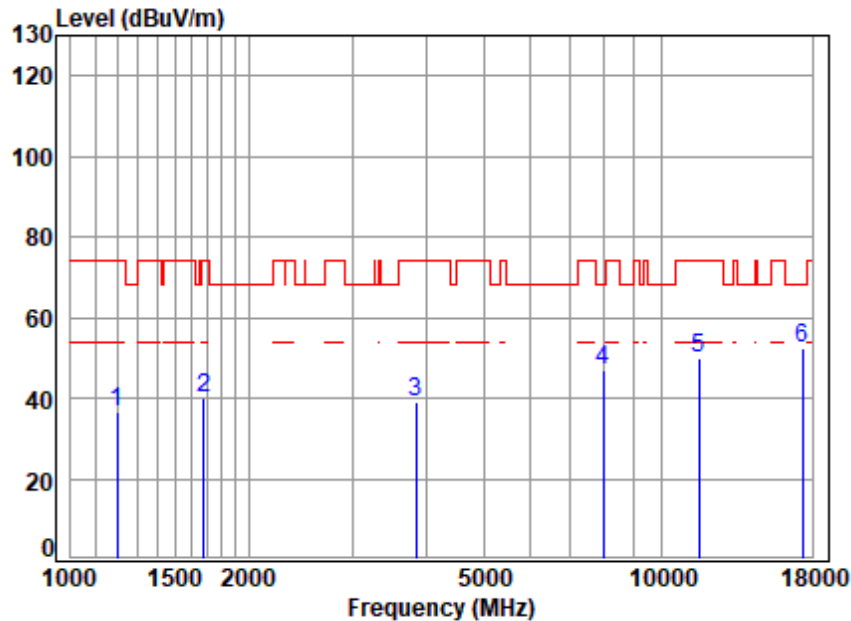
Compliance Certification Services (Kunshan) Inc. Shenzhen Branch

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

Report No.: FYCR220800030403

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



Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 00304AT
 Mode : 5785 TX RSE
 Note : 5G WIFI 11N20

		Cable	Ant	Preamp	Read		Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1199.7260	3.15	24.30	52.66	61.84	36.63	74.00	-37.37	peak
2	1682.4770	4.16	24.97	52.95	63.65	39.83	74.00	-34.17	peak
3	3845.5370	7.34	29.26	52.84	55.53	39.29	74.00	-34.71	peak
4	7989.8930	9.41	36.20	53.60	54.98	46.99	68.20	-21.21	peak
5	11570.000	11.60	39.72	53.83	52.66	50.15	74.00	-23.85	peak
6	17355.000	14.44	43.52	52.38	46.79	52.37	68.20	-15.83	peak



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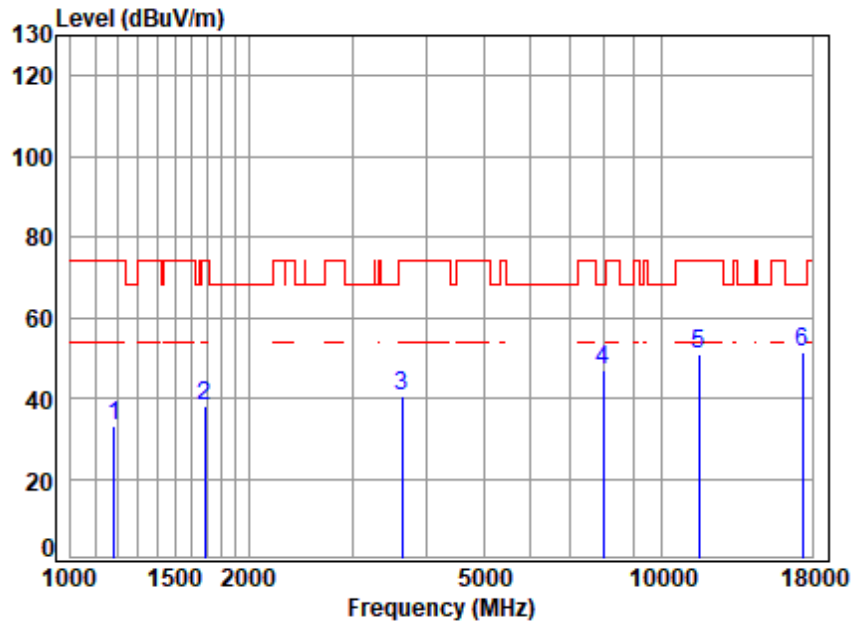
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Test Mode: 02; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:middle



Site : chamber
Condition: 3m VERTICAL
Job No : 00304AT
Mode : 5785 TX RSE
Note : 5G WIFI 11N20

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1185.9360	3.12	24.29	52.65	58.16	32.92	74.00	-41.08	peak
2	1687.3470	4.17	24.98	52.95	61.77	37.97	74.00	-36.03	peak
3	3640.0450	7.14	28.94	52.90	57.15	40.33	74.00	-33.67	peak
4	7966.8320	9.37	36.21	53.60	55.05	47.03	68.20	-21.17	peak
5	11570.000	11.60	39.72	53.83	53.19	50.68	74.00	-23.32	peak
6	17355.000	14.44	43.52	52.38	45.93	51.51	68.20	-16.69	peak



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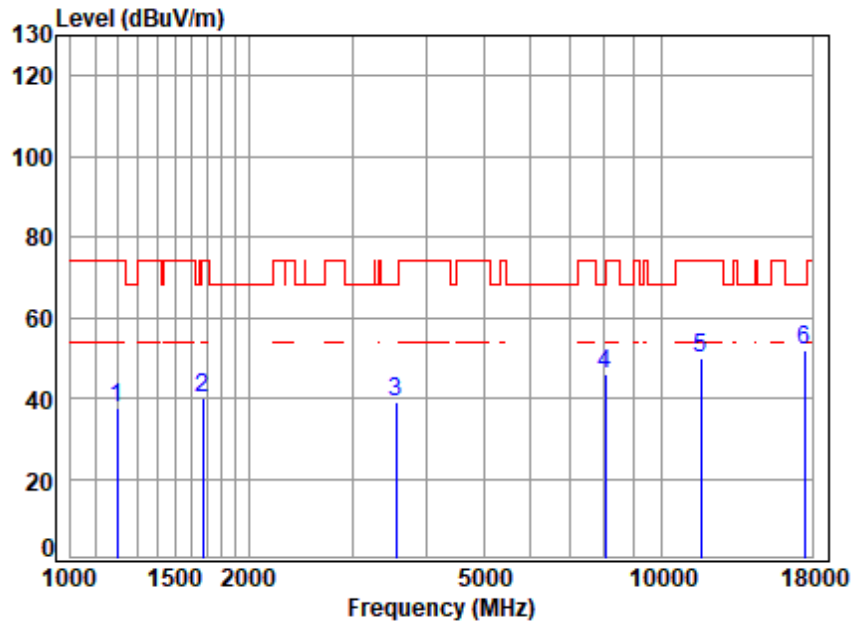
Compliance Certification Services (Kunshan) Inc. Shenzhen Branch

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



Site : chamber
Condition: 3m HORIZONTAL
Job No : 00304AT
Mode : 5825 TX RSE
Note : 5G WIFI 11N20

		Cable	Ant	Preamp	Read		Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1196.2640	3.14	24.30	52.66	62.57	37.35	74.00	-36.65	peak
2	1672.7790	4.14	24.95	52.95	63.88	40.02	74.00	-33.98	peak
3	3556.8430	7.05	28.80	52.92	55.88	38.81	68.20	-29.39	peak
4	8036.2140	9.45	36.20	53.62	54.17	46.20	74.00	-27.80	peak
5	11650.000	11.60	39.73	53.86	52.47	49.94	74.00	-24.06	peak
6	17475.000	14.48	44.16	52.31	45.52	51.85	68.20	-16.35	peak



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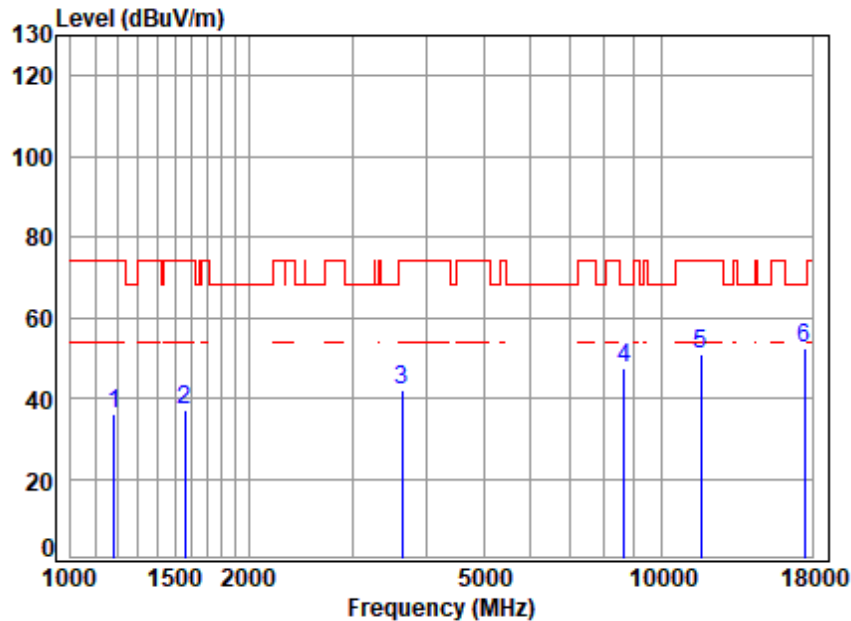
Compliance Certification Services (Kunshan) Inc. Shenzhen Branch

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



Site : chamber
Condition: 3m VERTICAL
Job No : 00304AT
Mode : 5825 TX RSE
Note : 5G WIFI 11N20

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1182.5130	3.11	24.28	52.65	61.42	36.16	74.00	-37.84	peak
2	1560.6730	3.91	24.69	52.89	61.26	36.97	74.00	-37.03	peak
3	3640.0450	7.14	28.94	52.90	58.73	41.91	74.00	-32.09	peak
4	8638.3990	9.98	36.13	53.99	55.33	47.45	68.20	-20.75	peak
5	11650.000	11.60	39.73	53.86	53.38	50.85	74.00	-23.15	peak
6	17475.000	14.48	44.16	52.31	45.86	52.19	68.20	-16.01	peak



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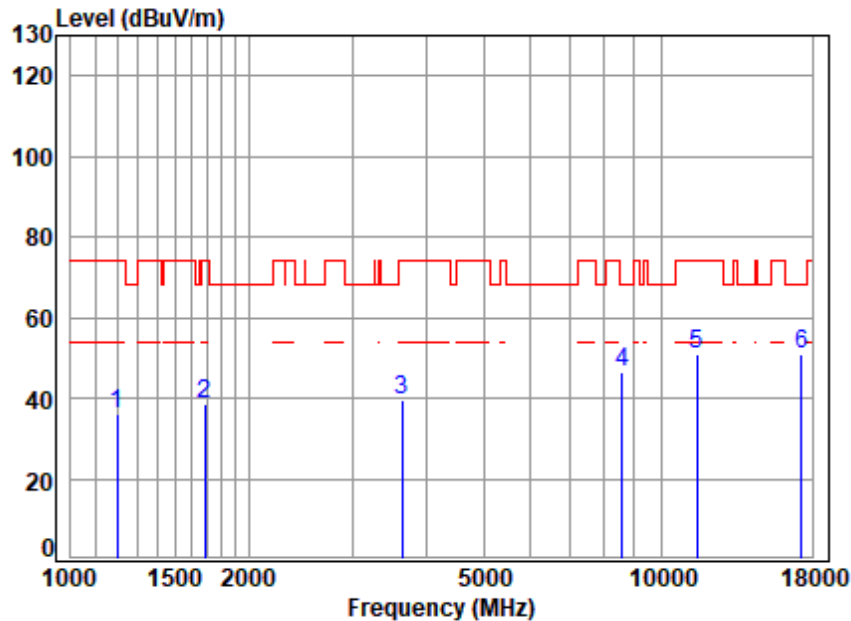
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Report No.: FYCR220800030403

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



Site : chamber
Condition: 3m HORIZONTAL
Job No : 00304AT
Mode : 5755 TX RSE
Note : 5G WIFI 11N40

		Cable	Ant	Preamp	Read		Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1196.2640	3.14	24.30	52.66	61.54	36.32	74.00	-37.68	peak
2	1687.3470	4.17	24.98	52.95	62.54	38.74	74.00	-35.26	peak
3	3640.0450	7.14	28.94	52.90	56.47	39.65	74.00	-34.35	peak
4	8588.6070	9.87	36.14	53.96	54.39	46.44	68.20	-21.76	peak
5	11510.000	11.60	39.70	53.81	53.65	51.14	74.00	-22.86	peak
6	17265.000	14.40	43.03	52.44	45.88	50.87	68.20	-17.33	peak



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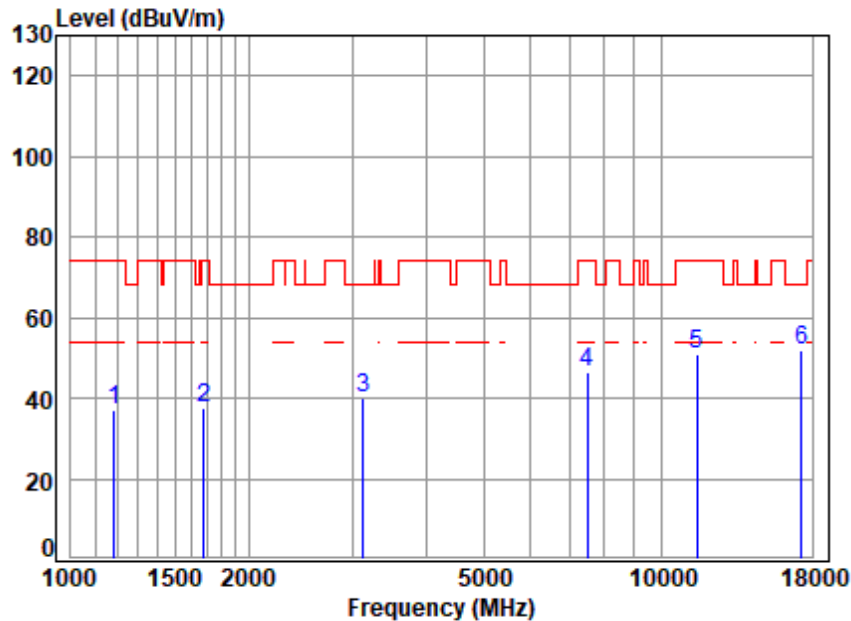
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Report No.: FYCR220800030403

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



Site : chamber
Condition: 3m VERTICAL
Job No : 00304AT
Mode : 5755 TX RSE
Note : 5G WIFI 11N40

		Cable	Ant	Preamp	Read		Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1182.5130	3.11	24.28	52.65	62.22	36.96	74.00	-37.04	peak
2	1677.6210	4.15	24.96	52.95	61.36	37.52	74.00	-36.48	peak
3	3123.0390	6.05	28.63	53.06	58.42	40.04	68.20	-28.16	peak
4	7497.6460	8.43	36.40	53.55	55.28	46.56	74.00	-27.44	peak
5	11510.000	11.60	39.70	53.81	53.57	51.06	74.00	-22.94	peak
6	17265.000	14.40	43.03	52.44	46.88	51.87	68.20	-16.33	peak



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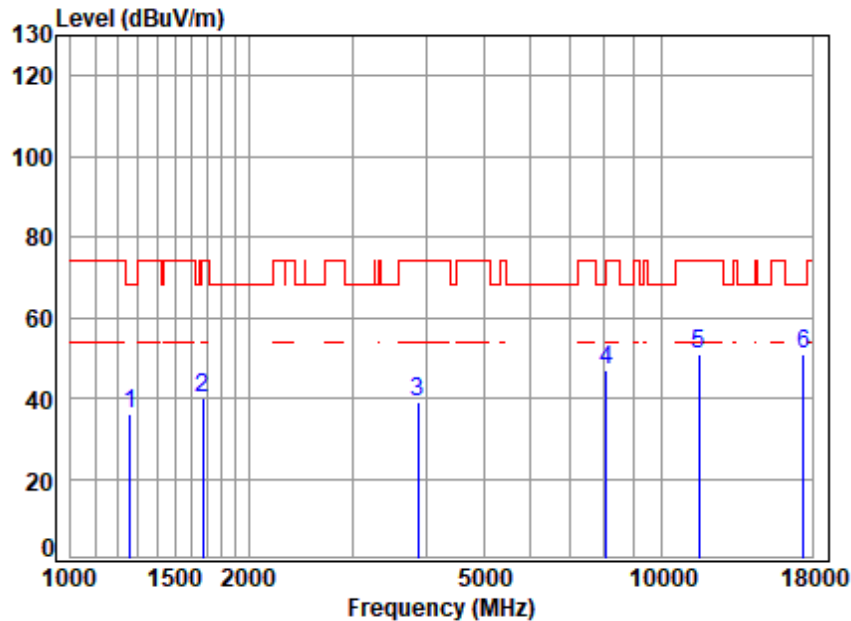
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Test Mode: 02; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:High



Site : chamber
Condition: 3m HORIZONTAL
Job No : 00304AT
Mode : 5795 TX RSE
Note : 5G WIFI 11N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1260.1490	3.28	24.27	52.70	61.47	36.32	68.20	-31.88	peak
2	1672.7790	4.14	24.95	52.95	63.94	40.08	74.00	-33.92	peak
3	3867.8310	7.36	29.30	52.84	55.44	39.26	74.00	-34.74	peak
4	8082.8040	9.47	36.19	53.65	55.03	47.04	74.00	-26.96	peak
5	11590.000	11.60	39.72	53.84	53.24	50.72	74.00	-23.28	peak
6	17385.000	14.45	43.68	52.36	45.29	51.06	68.20	-17.14	peak



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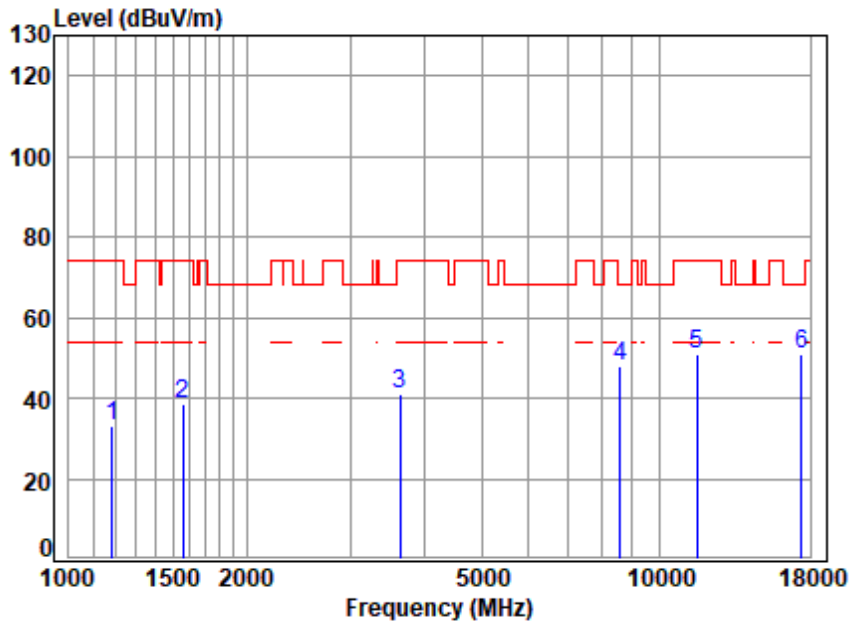
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Test Mode: 02; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:High



Site : chamber
Condition: 3m VERTICAL
Job No : 00304AT
Mode : 5795 TX RSE
Note : 5G WIFI 11N40

		Cable	Ant	Preamp	Read		Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1185.9360	3.12	24.29	52.65	58.21	32.97	74.00	-41.03	peak
2	1560.6730	3.91	24.69	52.89	63.04	38.75	74.00	-35.25	peak
3	3640.0450	7.14	28.94	52.90	58.05	41.23	74.00	-32.77	peak
4	8588.6070	9.87	36.14	53.96	55.88	47.93	68.20	-20.27	peak
5	11590.000	11.60	39.72	53.84	53.41	50.89	74.00	-23.11	peak
6	17385.000	14.45	43.68	52.36	45.12	50.89	68.20	-17.31	peak



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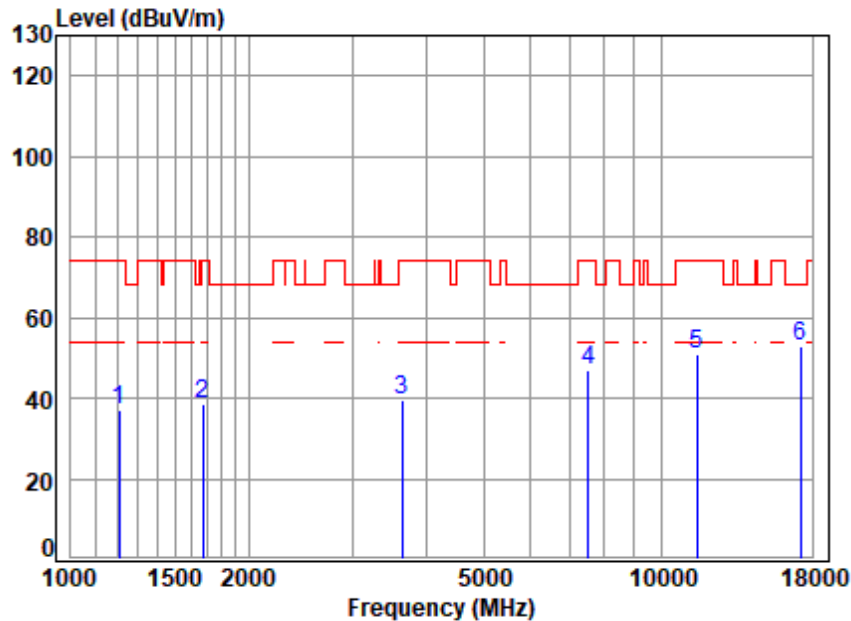
Compliance Certification Services (Kunshan) Inc. Shenzhen Branch

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

Report No.: FYCR220800030403

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



Site : chamber
Condition: 3m HORIZONTAL
Job No : 00304AT
Mode : 5745 TX RSE
Note : 5G WIFI 11AC20

		Cable	Ant	Preamp	Read		Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1206.6820	3.16	24.30	52.66	62.48	37.28	74.00	-36.72	peak
2	1672.7790	4.14	24.95	52.95	62.55	38.69	74.00	-35.31	peak
3	3640.0450	7.14	28.94	52.90	56.49	39.67	74.00	-34.33	peak
4	7519.3490	8.47	36.39	53.55	55.52	46.83	74.00	-27.17	peak
5	11490.000	11.60	39.70	53.80	53.46	50.96	74.00	-23.04	peak
6	17235.000	14.39	42.87	52.46	48.07	52.87	68.20	-15.33	peak



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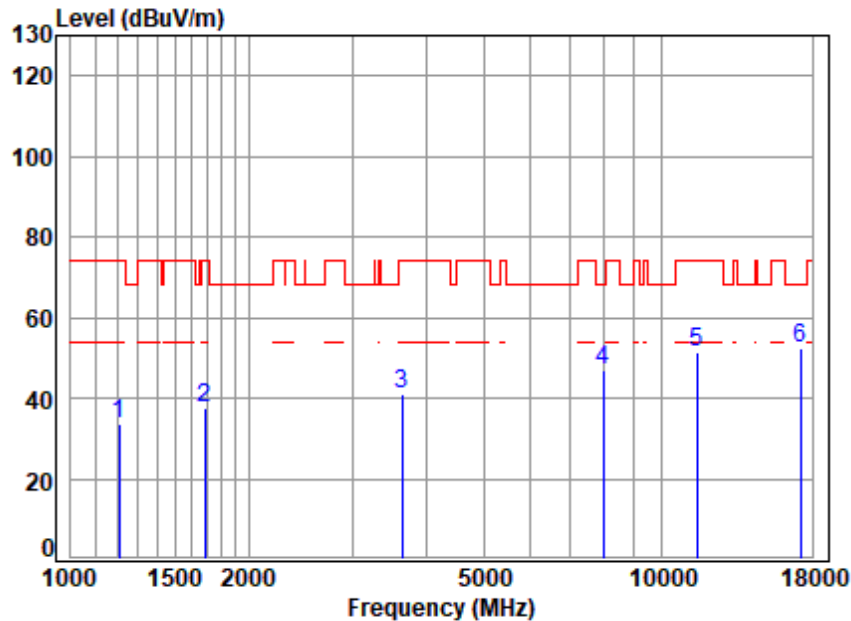
Compliance Certification Services (Kunshan) Inc. Shenzhen Branch

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

Report No.: FYCR220800030403

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



Site : chamber
Condition: 3m VERTICAL
Job No : 00304AT
Mode : 5745 TX RSE
Note : 5G WIFI 11AC20

		Cable	Ant	Preamp	Read		Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1206.6820	3.16	24.30	52.66	58.67	33.47	74.00	-40.53	peak
2	1687.3470	4.17	24.98	52.95	61.24	37.44	74.00	-36.56	peak
3	3640.0450	7.14	28.94	52.90	58.01	41.19	74.00	-32.81	peak
4	7966.8320	9.37	36.21	53.60	55.01	46.99	68.20	-21.21	peak
5	11490.000	11.60	39.70	53.80	53.68	51.18	74.00	-22.82	peak
6	17235.000	14.39	42.87	52.46	47.39	52.19	68.20	-16.01	peak



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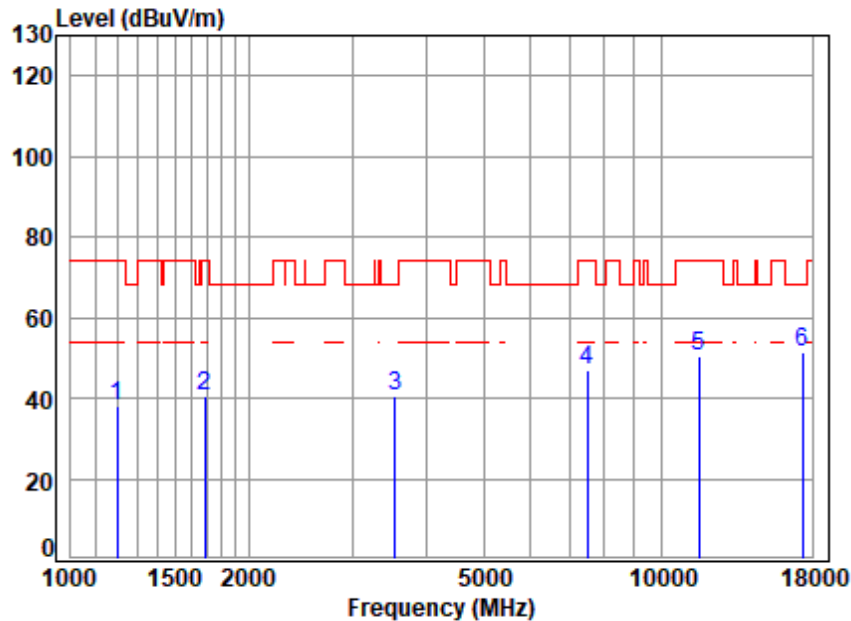
Compliance Certification Services (Kunshan) Inc. Shenzhen Branch

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Report No.: FYCR220800030403

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



Site : chamber
Condition: 3m HORIZONTAL
Job No : 00304AT
Mode : 5785 TX RSE
Note : 5G WIFI 11AC20

		Cable	Ant	Preamp	Read		Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1196.2640	3.14	24.30	52.66	63.36	38.14	74.00	-35.86	peak
2	1687.3470	4.17	24.98	52.95	64.34	40.54	74.00	-33.46	peak
3	3546.5770	7.04	28.78	52.93	57.49	40.38	68.20	-27.82	peak
4	7497.6460	8.43	36.40	53.55	55.72	47.00	74.00	-27.00	peak
5	11570.000	11.60	39.72	53.83	52.75	50.24	74.00	-23.76	peak
6	17355.000	14.44	43.52	52.38	46.05	51.63	68.20	-16.57	peak



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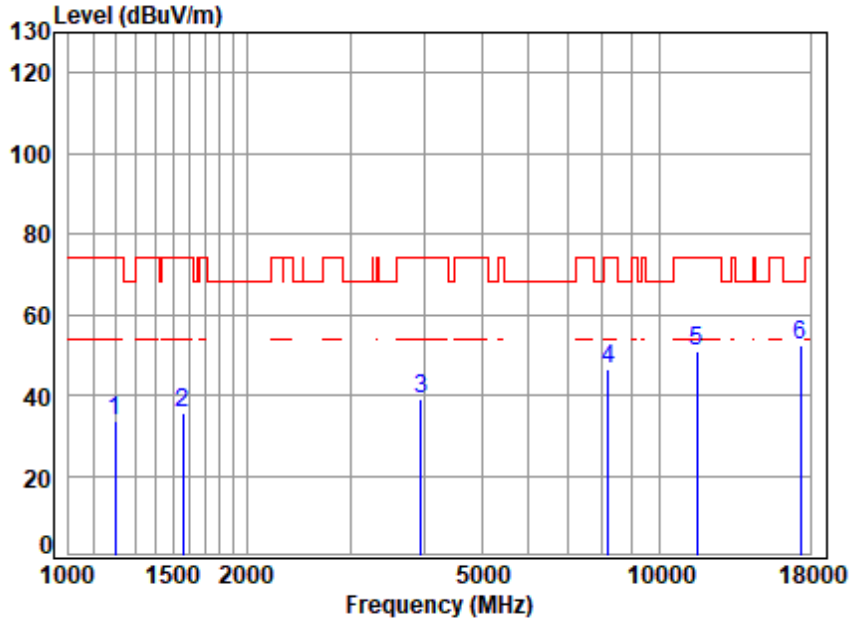
Compliance Certification Services (Kunshan) Inc. Shenzhen Branch

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

Report No.: FYCR220800030403

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



Site : chamber
Condition: 3m VERTICAL
Job No : 00304AT
Mode : 5785 TX RSE
Note : 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1199.7260	3.15	24.30	52.66	58.65	33.44	74.00	-40.56	peak
2	1560.6730	3.91	24.69	52.89	59.91	35.62	74.00	-38.38	peak
3	3946.8850	7.44	29.42	52.81	55.14	39.19	74.00	-34.81	peak
4	8200.4630	9.53	36.18	53.73	54.45	46.43	74.00	-27.57	peak
5	11570.000	11.60	39.72	53.83	53.30	50.79	74.00	-23.21	peak
6	17355.000	14.44	43.52	52.38	46.63	52.21	68.20	-15.99	peak



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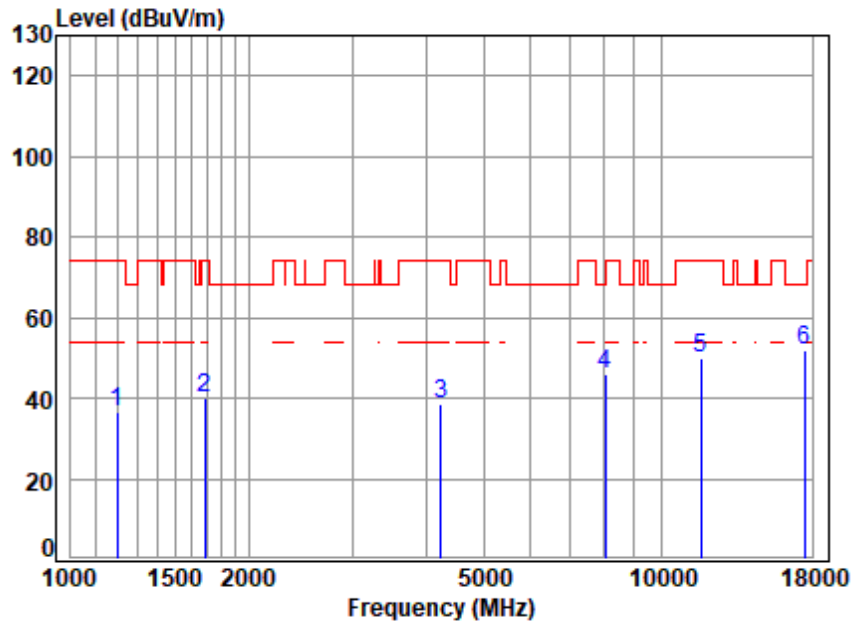
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Test Mode: 02; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:20MHz; Channel:High



Site : chamber
Condition: 3m HORIZONTAL
Job No : 00304AT
Mode : 5825 TX RSE
Note : 5G WIFI 11AC20

		Cable	Ant	Preamp	Read		Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1196.2640	3.14	24.30	52.66	61.81	36.59	74.00	-37.41	peak
2	1687.3470	4.17	24.98	52.95	63.98	40.18	74.00	-33.82	peak
3	4230.3960	7.48	29.83	52.88	54.20	38.63	74.00	-35.37	peak
4	8036.2140	9.45	36.20	53.62	53.99	46.02	74.00	-27.98	peak
5	11650.000	11.60	39.73	53.86	52.55	50.02	74.00	-23.98	peak
6	17475.000	14.48	44.16	52.31	45.68	52.01	68.20	-16.19	peak



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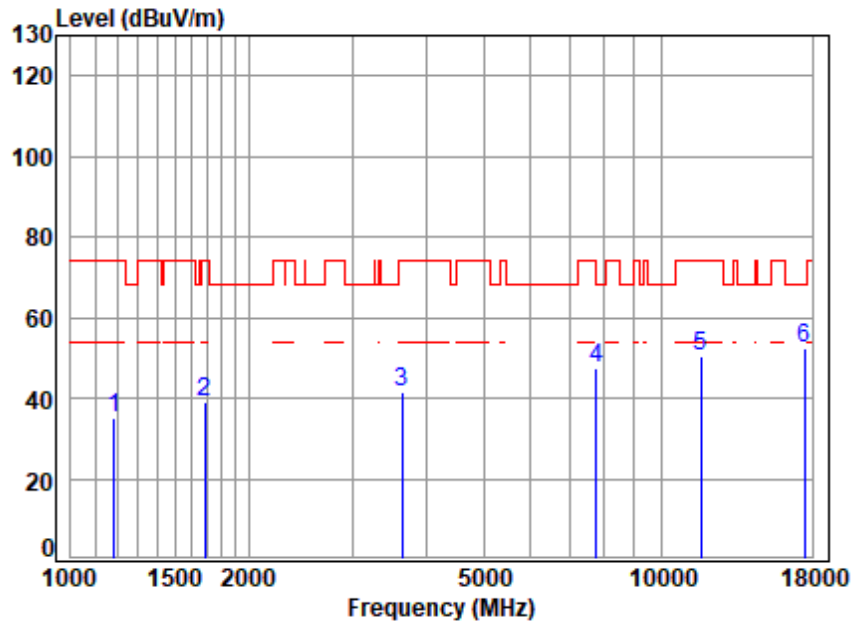
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Report No.: FYCR220800030403

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



Site : chamber
Condition: 3m VERTICAL
Job No : 00304AT
Mode : 5825 TX RSE
Note : 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1185.9360	3.12	24.29	52.65	60.31	35.07	74.00	-38.93	peak
2	1687.3470	4.17	24.98	52.95	62.89	39.09	74.00	-34.91	peak
3	3640.0450	7.14	28.94	52.90	58.27	41.45	74.00	-32.55	peak
4	7762.2600	8.96	36.29	53.58	55.75	47.42	68.20	-20.78	peak
5	11650.000	11.60	39.73	53.86	52.79	50.26	74.00	-23.74	peak
6	17475.000	14.48	44.16	52.31	45.92	52.25	68.20	-15.95	peak



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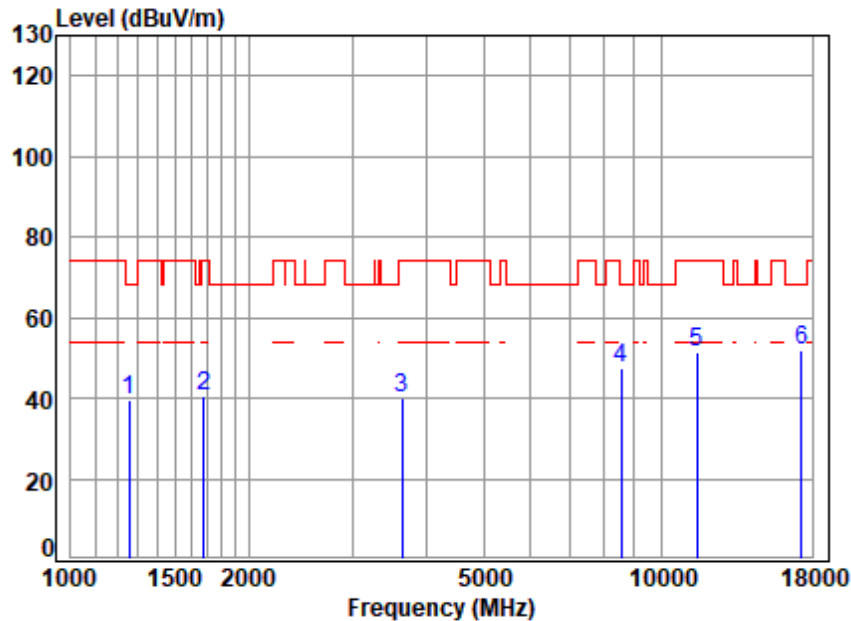
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Test Mode: 02; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:40MHz; Channel:Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 00304AT
Mode : 5755 TX RSE
Note : 5G WIFI 11AC40

		Cable	Ant	Preamp	Read		Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1256.5120	3.28	24.27	52.70	64.84	39.69	68.20	-28.51	peak
2	1677.6210	4.15	24.96	52.95	64.43	40.59	74.00	-33.41	peak
3	3640.0450	7.14	28.94	52.90	56.89	40.07	74.00	-33.93	peak
4	8539.1020	9.76	36.14	53.93	55.44	47.41	68.20	-20.79	peak
5	11510.000	11.60	39.70	53.81	53.88	51.37	74.00	-22.63	peak
6	17265.000	14.40	43.03	52.44	46.85	51.84	68.20	-16.36	peak



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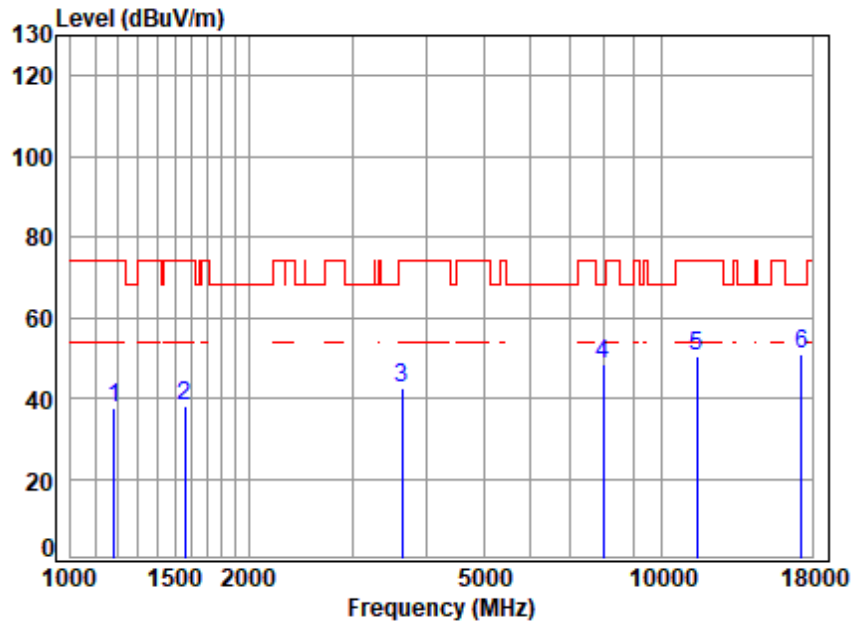
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Test Mode: 02; Polarity: Vertical; Modulation:802.11ac; Bandwidth:40MHz; Channel:Low



Site : chamber
Condition: 3m VERTICAL
Job No : 00304AT
Mode : 5755 TX RSE
Note : 5G WIFI 11AC40

		Cable	Ant	Preamp	Read		Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1185.9360	3.12	24.29	52.65	62.62	37.38	74.00	-36.62	peak
2	1560.6730	3.91	24.69	52.89	62.27	37.98	74.00	-36.02	peak
3	3640.0450	7.14	28.94	52.90	59.19	42.37	74.00	-31.63	peak
4	7989.8930	9.41	36.20	53.60	56.30	48.31	68.20	-19.89	peak
5	11510.000	11.60	39.70	53.81	53.13	50.62	74.00	-23.38	peak
6	17265.000	14.40	43.03	52.44	45.74	50.73	68.20	-17.47	peak



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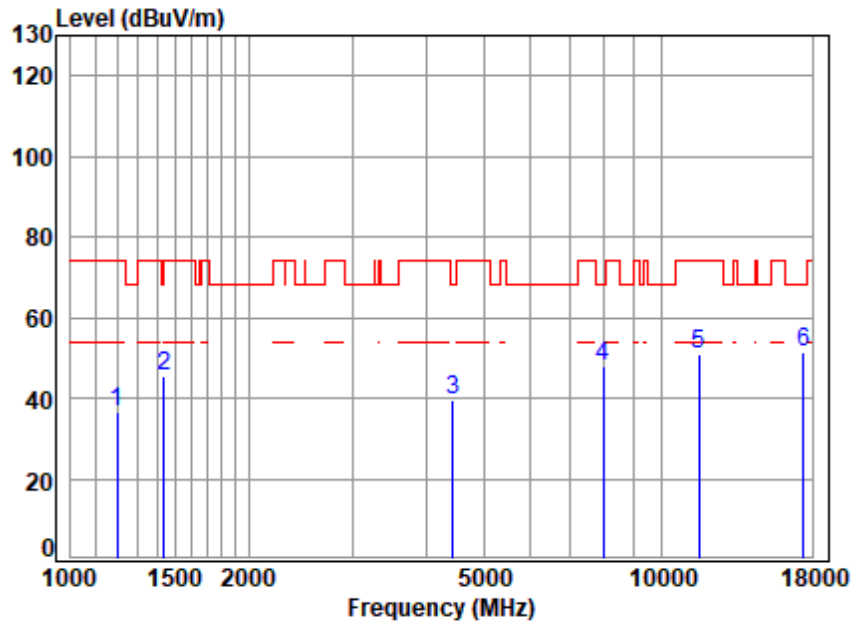
Compliance Certification Services (Kunshan) Inc. Shenzhen Branch

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

Report No.: FYCR220800030403

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



Site : chamber
Condition: 3m HORIZONTAL
Job No : 00304AT
Mode : 5795 TX RSE
Note : 5G WIFI 11AC40

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1196.2640	3.14	24.30	52.66	61.71	36.49	74.00	-37.51	peak
2	1439.3430	3.65	24.32	52.82	70.10	45.25	74.00	-28.75	peak
3	4430.6280	7.47	30.11	52.94	55.01	39.65	68.20	-28.55	peak
4	7989.8930	9.41	36.20	53.60	55.93	47.94	68.20	-20.26	peak
5	11590.000	11.60	39.72	53.84	53.26	50.74	74.00	-23.26	peak
6	17385.000	14.45	43.68	52.36	45.39	51.16	68.20	-17.04	peak



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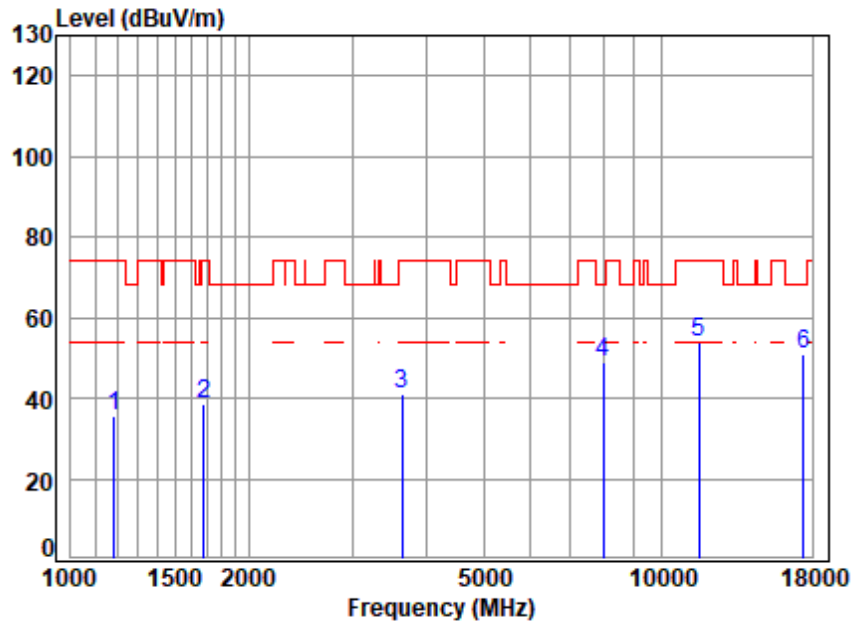
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SZCCS-TRF-01 Rev. A/0 Aug01,2022

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



Site : chamber
Condition: 3m VERTICAL
Job No : 00304AT
Mode : 5795 TX RSE
Note : 5G WIFI 11AC40

		Cable	Ant	Preamp	Read		Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1182.5130	3.11	24.28	52.65	60.71	35.45	74.00	-38.55	peak
2	1682.4770	4.16	24.97	52.95	62.24	38.42	74.00	-35.58	peak
3	3640.0450	7.14	28.94	52.90	57.72	40.90	74.00	-33.10	peak
4	7989.8930	9.41	36.20	53.60	57.09	49.10	68.20	-19.10	peak
5	11590.000	11.60	39.72	53.84	56.29	53.77	74.00	-20.23	peak
6	17385.000	14.45	43.68	52.36	45.27	51.04	68.20	-17.16	peak



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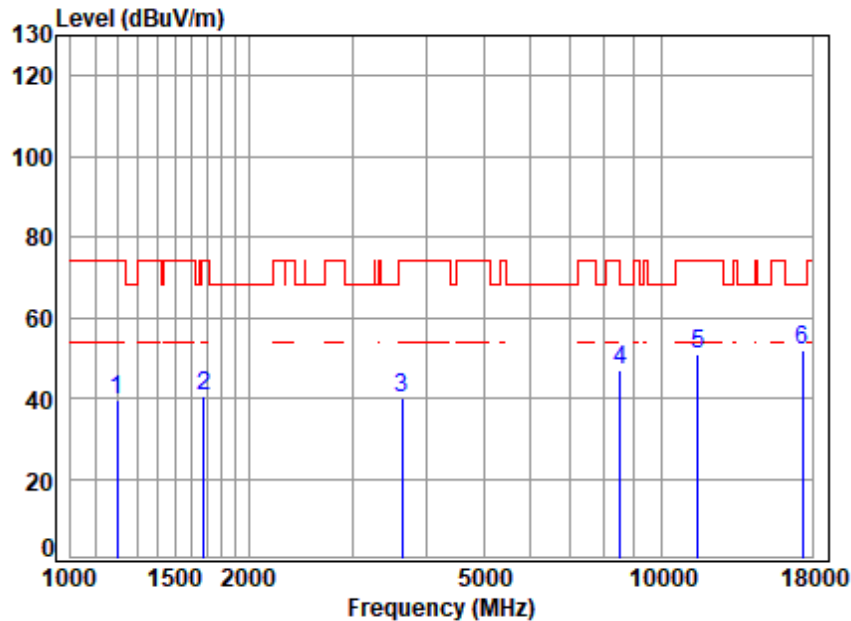
Compliance Certification Services (Kunshan) Inc. Shenzhen Branch

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



Site : chamber
Condition: 3m HORIZONTAL
Job No : 00304AT
Mode : 5775 TX RSE
Note : 5G WIFI 11AC80

		Cable	Ant	Preamp	Read		Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1199.7260	3.15	24.30	52.66	64.92	39.71	74.00	-34.29	peak
2	1677.6210	4.15	24.96	52.95	64.55	40.71	74.00	-33.29	peak
3	3640.0450	7.14	28.94	52.90	56.71	39.89	74.00	-34.11	peak
4	8514.4560	9.70	36.15	53.92	55.19	47.12	68.20	-21.08	peak
5	11550.000	11.60	39.71	53.82	53.23	50.72	74.00	-23.28	peak
6	17325.000	14.42	43.36	52.40	46.30	51.68	68.20	-16.52	peak



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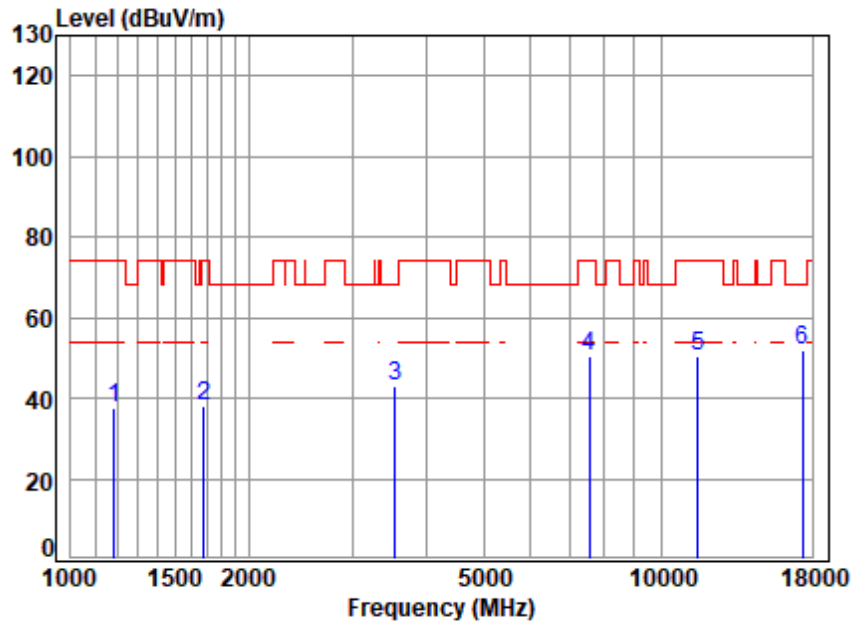
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Test Mode: 02; Polarity: Vertical; Modulation:802.11ac; Bandwidth:80MHz; Channel:middle



Site : chamber
Condition: 3m VERTICAL
Job No : 00304AT
Mode : 5775 TX RSE
Note : 5G WIFI 11AC80

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1185.9360	3.12	24.29	52.65	62.82	37.58	74.00	-36.42	peak
2	1677.6210	4.15	24.96	52.95	62.04	38.20	74.00	-35.80	peak
3	3546.5770	7.04	28.78	52.93	60.35	43.24	68.20	-24.96	peak
4	7541.1140	8.51	36.38	53.56	59.07	50.40	74.00	-23.60	peak
5	11550.000	11.60	39.71	53.82	53.07	50.56	74.00	-23.44	peak
6	17325.000	14.42	43.36	52.40	46.65	52.03	68.20	-16.17	peak



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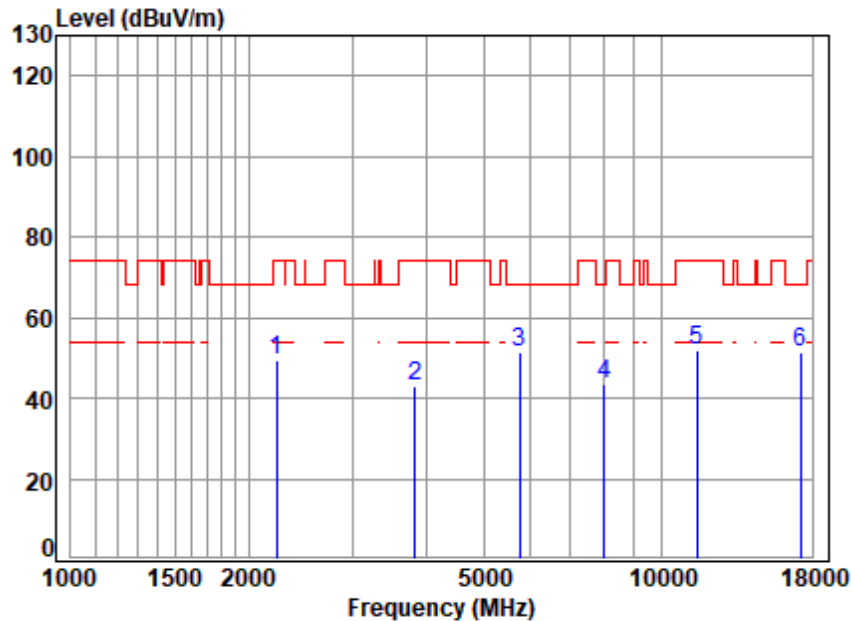
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Test Mode: 02; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 00304AT
Mode : 5745 TX RSE
Note : 5G WIFI 11AX20

		Cable	Ant	Preamp	Read		Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	2233.3960	4.94	26.79	53.10	70.58	49.21	74.00	-24.79	Peak
2	3823.3710	7.32	29.23	52.85	59.25	42.95	74.00	-31.05	peak
3	5746.9820	7.95	32.50	52.87	63.63	51.21	68.20	-16.99	Peak
4	8013.0200	9.44	36.20	53.61	51.64	43.67	68.20	-24.53	peak
5	11490.000	11.60	39.70	53.80	54.40	51.90	74.00	-22.10	peak
6	17235.000	14.39	42.87	52.46	46.67	51.47	68.20	-16.73	peak



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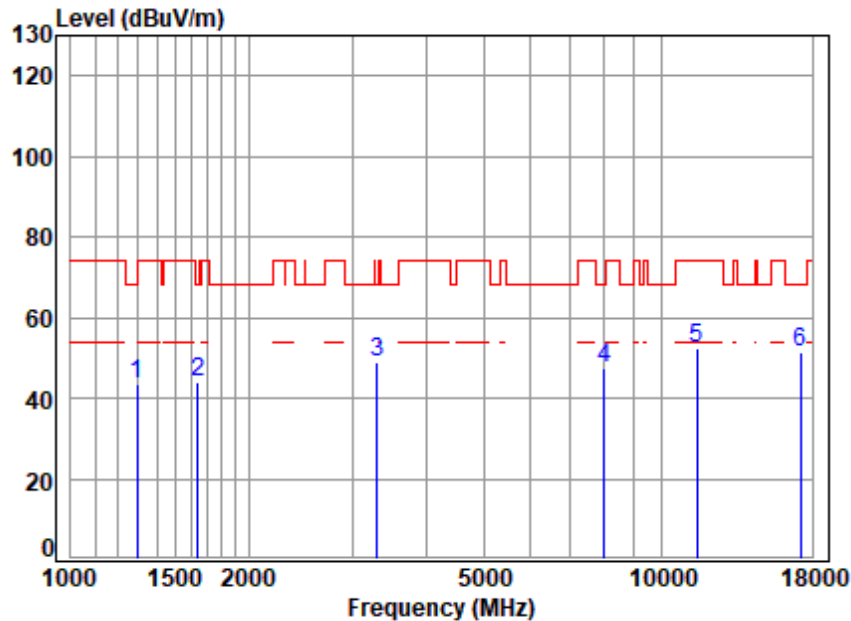
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Report No.: FYCR220800030403

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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 : 00304AT
Mode : 5745 TX RSE
Note : 5G WIFI 11AX20

		Cable	Ant	Preamp	Read		Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1297.1030	3.36	24.25	52.73	68.86	43.74	68.20	-24.46	peak
2	1644.0190	4.08	24.89	52.93	67.80	43.84	68.20	-24.36	peak
3	3308.8940	6.53	28.66	53.00	66.75	48.94	68.20	-19.26	peak
4	8013.0200	9.44	36.20	53.61	55.27	47.30	68.20	-20.90	peak
5	11490.000	11.60	39.70	53.80	54.77	52.27	74.00	-21.73	peak
6	17235.000	14.39	42.87	52.46	46.72	51.52	68.20	-16.68	peak



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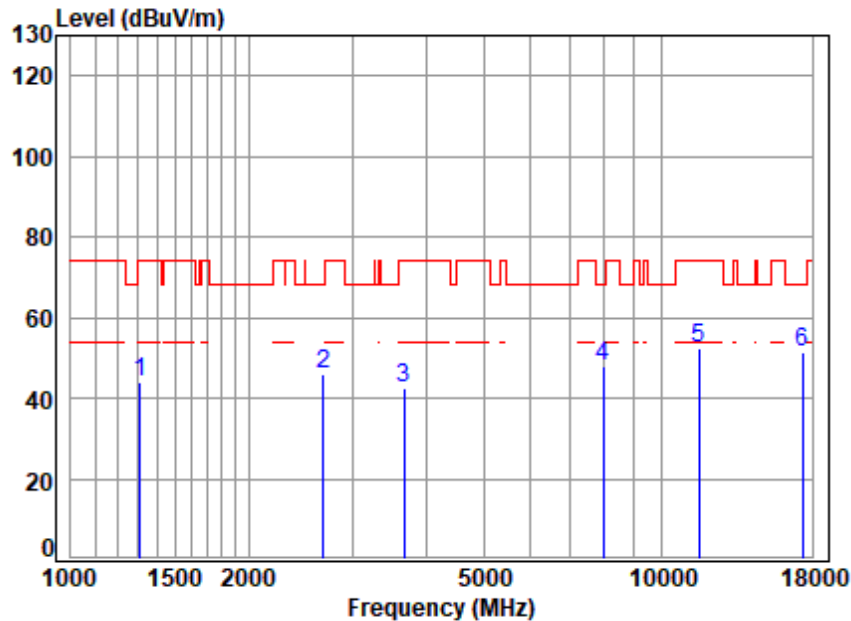
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Test Mode: 02; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:middle



Site : chamber
Condition: 3m HORIZONTAL
Job No : 00304AT
Mode : 5785 TX RSE
Note : 5G WIFI 11AX20

		Cable	Ant	Preamp	Read		Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1308.3990	3.39	24.24	52.73	69.00	43.90	74.00	-30.10	Peak
2	2679.4640	5.35	27.86	53.10	65.68	45.79	68.20	-22.41	Peak
3	3661.1490	7.16	28.97	52.89	59.47	42.71	74.00	-31.29	peak
4	7989.8930	9.41	36.20	53.60	55.75	47.76	68.20	-20.44	peak
5	11570.000	11.60	39.72	53.83	55.09	52.58	74.00	-21.42	Peak
6	17355.000	14.44	43.52	52.38	45.98	51.56	68.20	-16.64	peak



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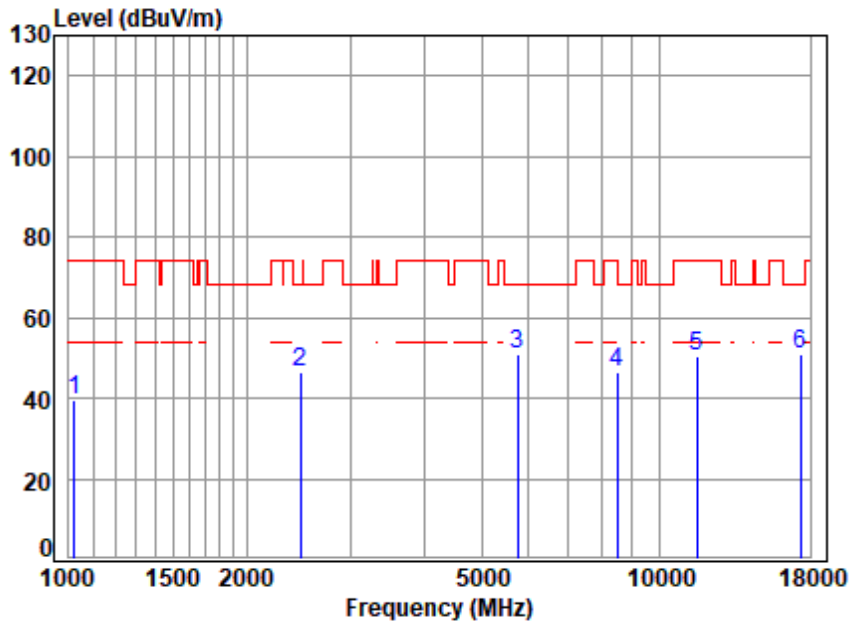
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Test Mode: 02; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:middle



Site : chamber
Condition: 3m VERTICAL
Job No : 00304AT
Mode : 5785 TX RSE
Note : 5G WIFI 11AX20

	Cable	Ant	Preamp	Read		Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 1023.3920	2.70	24.13	52.52	65.47	39.78	74.00	-34.22	Peak
2 2464.0240	5.11	27.32	53.10	67.00	46.33	68.20	-21.87	Peak
3 5746.9820	7.95	32.50	52.87	63.41	50.99	68.20	-17.21	Peak
4 8489.8820	9.67	36.15	53.90	54.79	46.71	74.00	-27.29	peak
5 11570.000	11.60	39.72	53.83	52.78	50.27	74.00	-23.73	peak
6 17355.000	14.44	43.52	52.38	45.46	51.04	68.20	-17.16	peak



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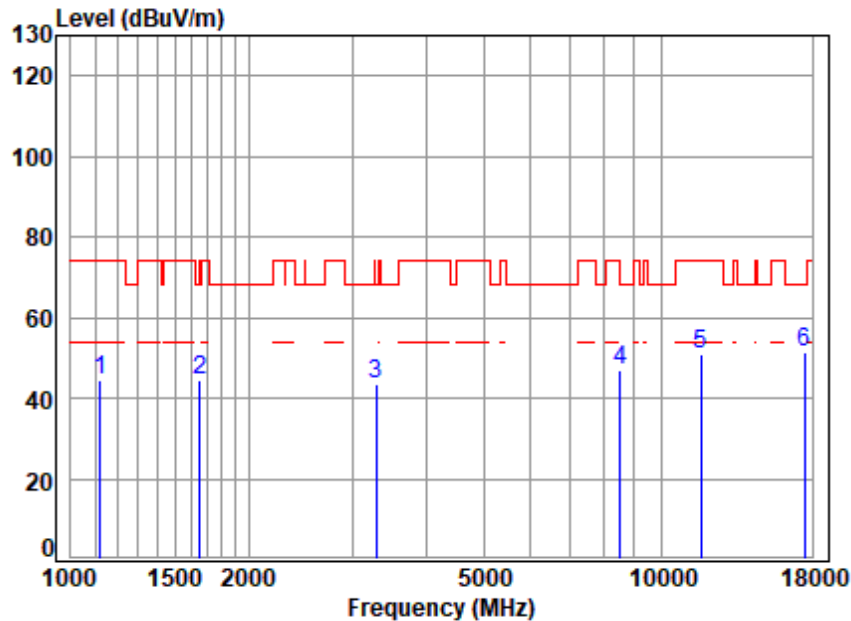
Compliance Certification Services (Kunshan) Inc. Shenzhen Branch

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

Report No.: FYCR220800030403

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



Site : chamber
Condition: 3m HORIZONTAL
Job No : 00304AT
Mode : 5825 TX RSE
Note : 5G WIFI 11AX20

		Cable	Ant	Preamp	Read		Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1122.5630	2.96	24.23	52.60	69.92	44.51	74.00	-29.49	peak
2	1653.5500	4.10	24.91	52.94	68.66	44.73	68.20	-23.47	peak
3	3289.8210	6.48	28.66	53.00	61.41	43.55	68.20	-24.65	peak
4	8514.4560	9.70	36.15	53.92	54.84	46.77	68.20	-21.43	peak
5	11650.000	11.60	39.73	53.86	53.48	50.95	74.00	-23.05	peak
6	17475.000	14.48	44.16	52.31	45.15	51.48	68.20	-16.72	peak



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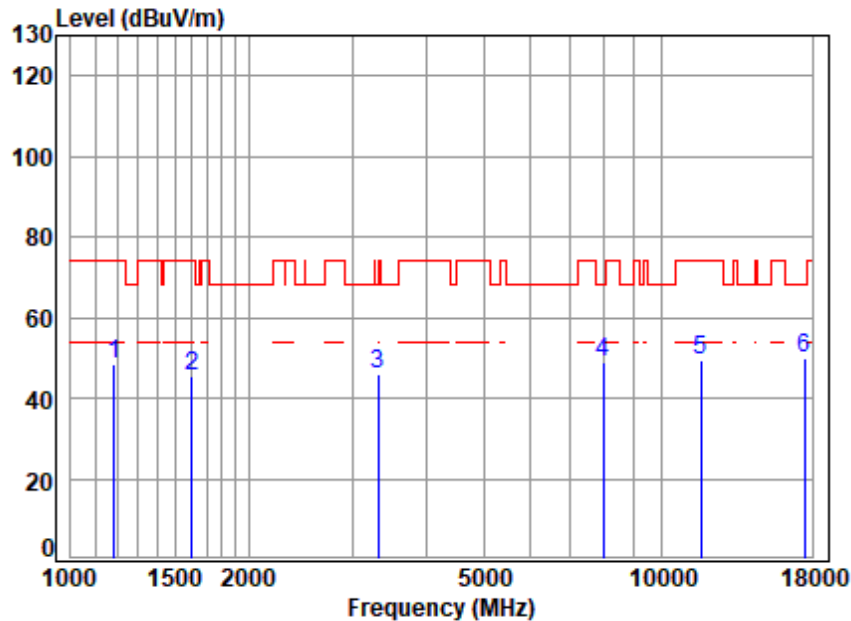
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SZCCS-TRF-01 Rev. A/0 Aug01,2022

Report No.: FYCR220800030403

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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 : 00304AT
Mode : 5825 TX RSE
Note : 5G WIFI 11AX20

		Cable	Ant	Preamp	Read		Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1185.9360	3.12	24.29	52.65	73.58	48.34	74.00	-25.66	peak
2	1601.8040	3.99	24.80	52.91	69.55	45.43	74.00	-28.57	peak
3	3318.4710	6.55	28.67	52.99	63.91	46.14	68.20	-22.06	peak
4	7989.8930	9.41	36.20	53.60	56.68	48.69	68.20	-19.51	peak
5	11650.000	11.60	39.73	53.86	52.16	49.63	74.00	-24.37	peak
6	17475.000	14.48	44.16	52.31	43.72	50.05	68.20	-18.15	peak



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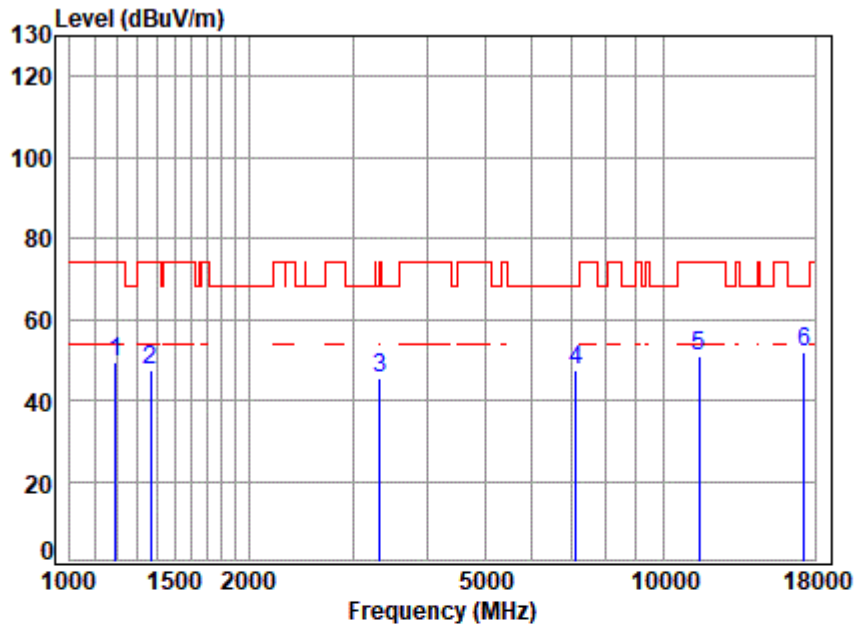
Compliance Certification Services (Kunshan) Inc. Shenzhen Branch

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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 : 00304AT
Mode : 5755 TX RSE
Note : 5G WIFI 11AX40

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1192.8110	3.13	24.29	52.65	74.73	49.50	74.00	-24.50	peak
2	1366.3740	3.51	24.22	52.77	72.55	47.51	74.00	-26.49	peak
3	3328.0770	6.58	28.67	52.99	63.46	45.72	68.20	-22.48	peak
4	7117.5420	8.25	35.94	53.51	56.86	47.54	68.20	-20.66	peak
5	11510.000	11.60	39.70	53.81	53.62	51.11	74.00	-22.89	peak
6	17265.000	14.40	43.03	52.44	57.02	62.01	68.20	-6.19	peak



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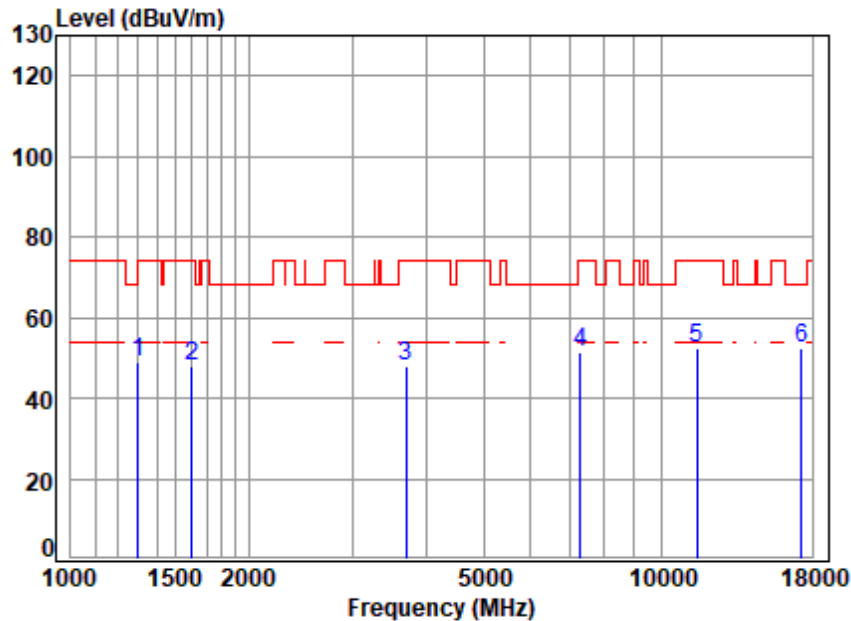
Compliance Certification Services (Kunshan) Inc. Shenzhen Branch

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Report No.: FYCR220800030403

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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 : 00304AT
Mode : 5755 TX RSE
Note : 5G WIFI 11AX40

		Cable	Ant	Preamp	Read		Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1300.8580	3.37	24.25	52.73	74.08	48.97	74.00	-25.03	peak
2	1606.4410	4.00	24.81	52.91	72.27	48.17	74.00	-25.83	peak
3	3693.0330	7.19	29.02	52.88	64.49	47.82	74.00	-26.18	peak
4	7305.1220	8.34	36.17	53.53	60.66	51.64	74.00	-22.36	peak
5	11510.000	11.60	39.70	53.81	54.75	52.24	74.00	-21.76	peak
6	17265.000	14.40	43.03	52.44	47.19	52.18	68.20	-16.02	peak



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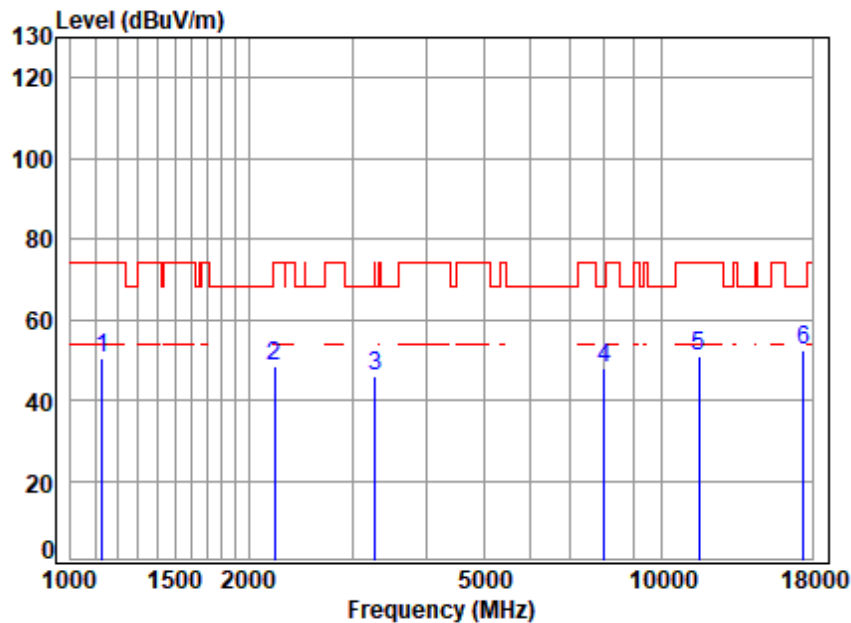
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Report No.: FYCR220800030403

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



Site : chamber
Condition: 3m HORIZONTAL
Job No : 00304AT
Mode : 5795 TX RSE
Note : 5G WIFI 11AX40

		Cable	Ant	Preamp	Read		Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1129.0720	2.98	24.23	52.61	76.05	50.65	74.00	-23.35	peak
2	2214.1140	4.92	26.75	53.10	69.65	48.22	74.00	-25.78	Peak
3	3280.3260	6.46	28.66	53.01	64.03	46.14	68.20	-22.06	peak
4	8013.0200	9.44	36.20	53.61	55.92	47.95	68.20	-20.25	peak
5	11590.000	11.60	39.72	53.84	53.50	50.98	74.00	-23.02	peak
6	17385.000	14.45	43.68	52.36	46.40	52.17	68.20	-16.03	peak



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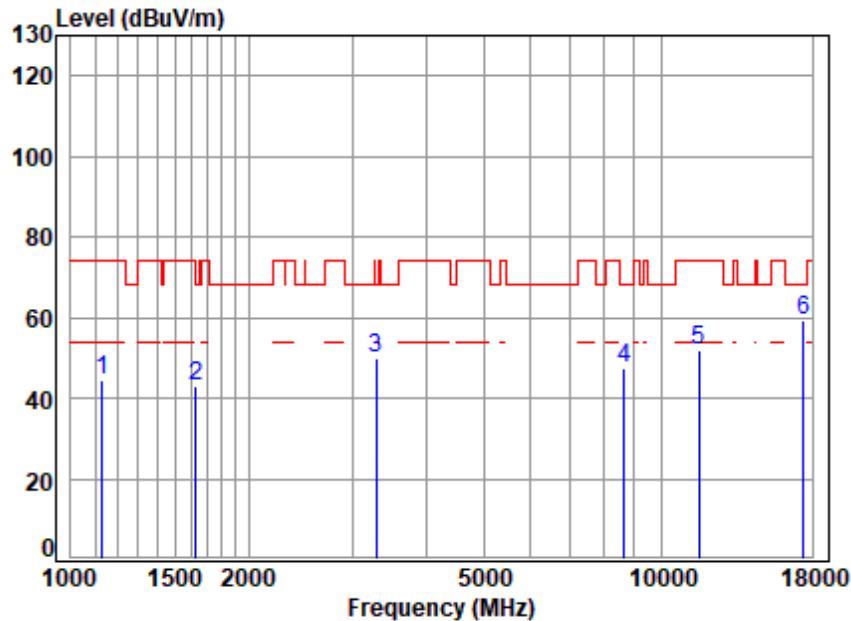
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Report No.: FYCR220800030403

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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 : 00304AT
Mode : 5795 TX RSE
Note : 5G WIFI 11AX40

		Cable	Ant	Preamp	Read		Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1132.3400	2.99	24.24	52.61	69.80	44.42	74.00	-29.58	peak
2	1629.8250	4.05	24.86	52.92	67.21	43.20	68.20	-25.00	peak
3	3289.8210	6.48	28.66	53.00	67.72	49.86	68.20	-18.34	peak
4	8663.4040	10.03	36.13	54.01	55.43	47.58	68.20	-20.62	peak
5	11590.000	11.60	39.72	53.84	54.26	51.74	74.00	-22.26	peak
6	17385.000	14.45	43.68	52.36	53.71	59.48	68.20	-8.72	peak



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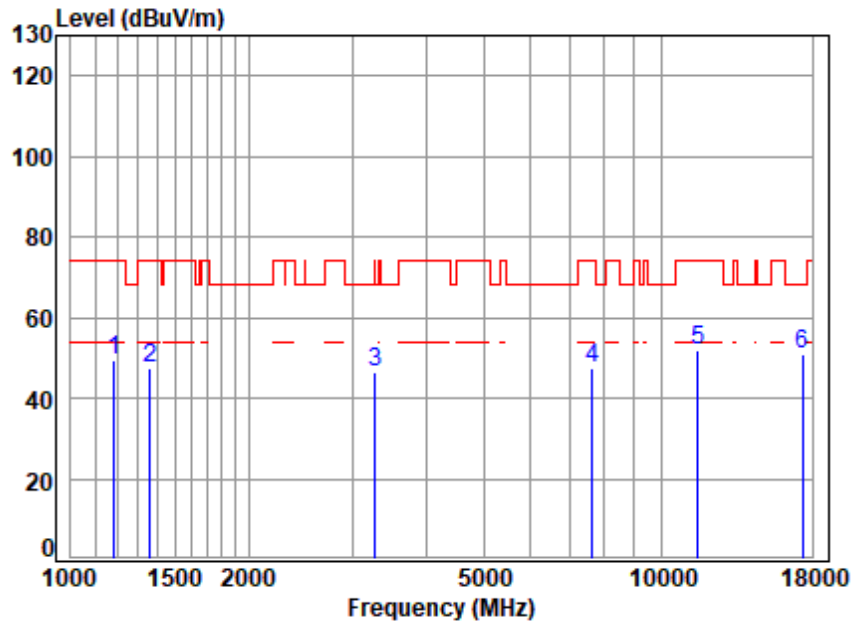
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Test Mode: 02; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:80MHz; Channel:middle



Site : chamber
Condition: 3m HORIZONTAL
Job No : 00304AT
Mode : 5775 TX RSE
Note : 5G WIFI 11AX80

		Cable	Ant	Preamp	Read		Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1185.9360	3.12	24.29	52.65	74.80	49.56	74.00	-24.44	peak
2	1362.4300	3.50	24.22	52.77	72.36	47.31	74.00	-26.69	peak
3	3270.8580	6.43	28.66	53.01	64.16	46.24	68.20	-21.96	peak
4	7650.8880	8.74	36.34	53.57	55.91	47.42	74.00	-26.58	peak
5	11550.000	11.60	39.71	53.82	54.59	52.08	74.00	-21.92	peak
6	17325.000	14.42	43.36	52.40	45.52	50.90	68.20	-17.30	peak



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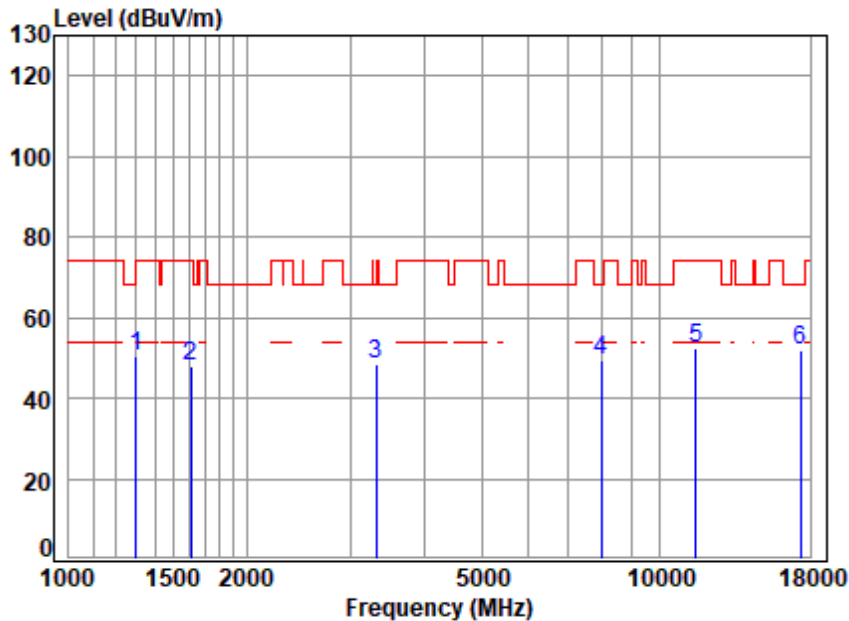
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Test Mode: 02; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:80MHz; Channel:middle



Site : chamber
Condition: 3m VERTICAL
Job No : 00304AT
Mode : 5775 TX RSE
Note : 5G WIFI 11AX80

		Cable	Ant	Preamp	Read		Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1300.8580	3.37	24.25	52.73	75.52	50.41	74.00	-23.59	peak
2	1611.0910	4.01	24.82	52.91	72.17	48.09	74.00	-25.91	peak
3	3318.4710	6.55	28.67	52.99	66.03	48.26	68.20	-19.94	peak
4	7989.8930	9.41	36.20	53.60	57.45	49.46	68.20	-18.74	peak
5	11550.000	11.60	39.71	53.82	55.10	52.59	74.00	-21.41	peak
6	17325.000	14.42	43.36	52.40	46.73	52.11	68.20	-16.09	peak



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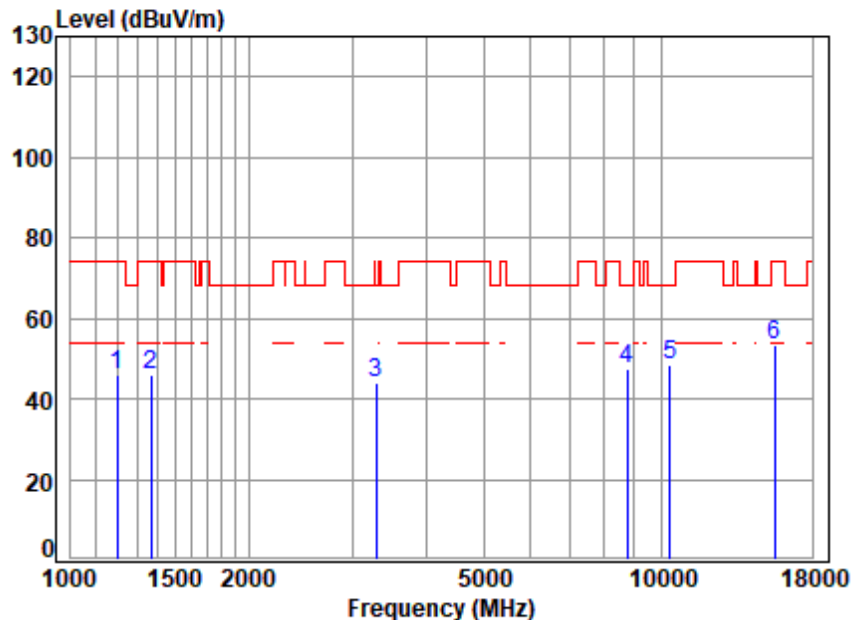
Compliance Certification Services (Kunshan) Inc. Shenzhen Branch

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



Site : chamber
Condition: 3m HORIZONTAL
Job No : 00304AT
Mode : 5180 TX RSE
Note : 5G WIFI 11A

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1196.2640	3.14	24.30	52.66	70.97	45.75	74.00	-28.25	peak
2	1366.3740	3.51	24.22	52.77	70.92	45.88	74.00	-28.12	peak
3	3289.8210	6.48	28.66	53.00	61.74	43.88	68.20	-24.32	peak
4	8738.8520	10.19	36.12	54.05	55.42	47.68	68.20	-20.52	peak
5	10360.000	11.08	38.85	53.35	51.65	48.23	68.20	-19.97	peak
6	15540.000	13.49	39.74	53.43	53.48	53.28	74.00	-20.72	peak



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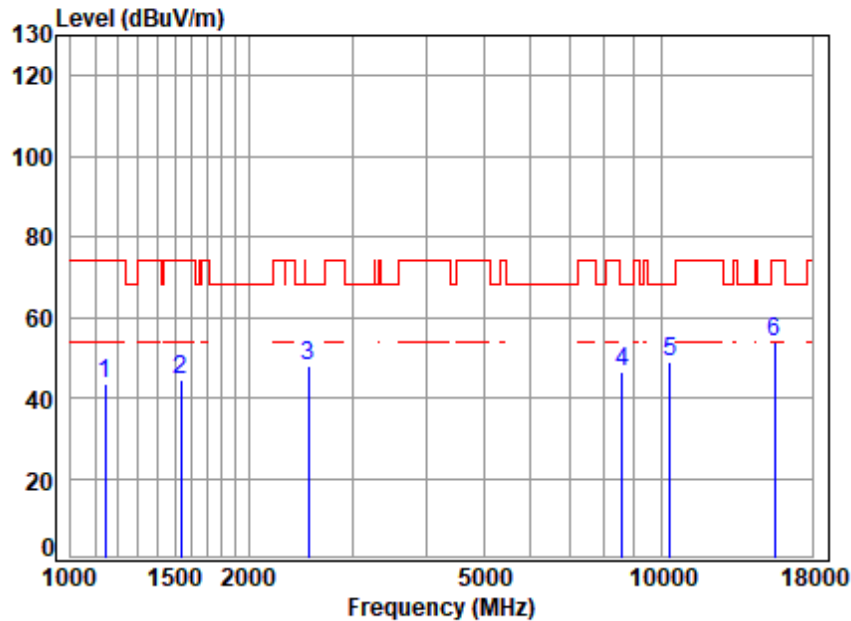
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Test Mode: 03; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Site : chamber
Condition: 3m VERTICAL
Job No : 00304AT
Mode : 5180 TX RSE
Note : 5G WIFI 11A

		Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1145.5070	3.02	24.25	52.62	68.83	43.48	74.00	-30.52 peak
2	1538.2810	3.86	24.62	52.87	68.88	44.49	74.00	-29.51 peak
3	2521.6640	5.16	27.46	53.10	68.48	48.00	68.20	-20.20 Peak
4	8588.6070	9.87	36.14	53.96	54.61	46.66	68.20	-21.54 peak
5	10360.000	11.08	38.85	53.35	52.25	48.83	68.20	-19.37 peak
6	15540.000	13.49	39.74	53.43	53.90	53.70	74.00	-20.30 peak



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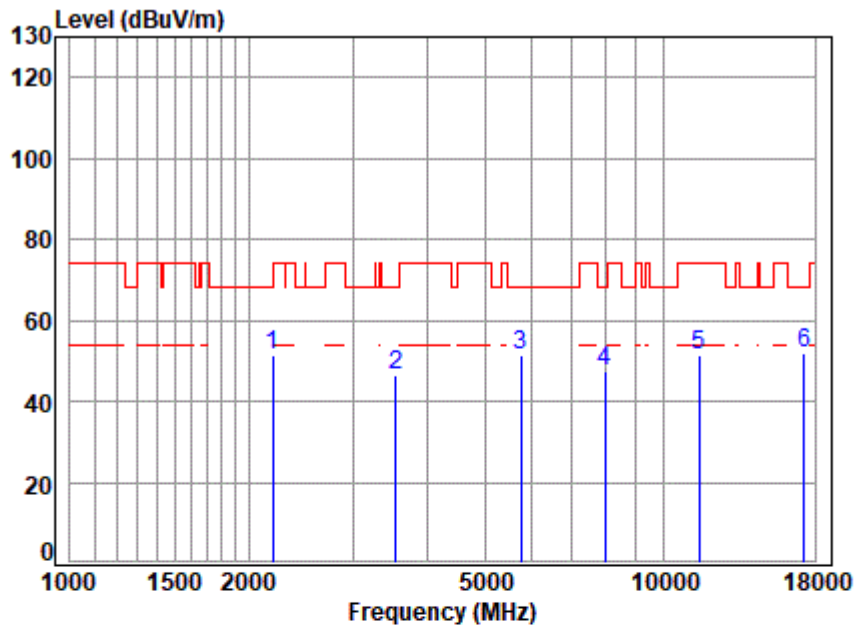
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Test Mode: 04; Polarity: Horizontal; Modulation: 802.11ax(Full RU0); Bandwidth:40MHz; Channel:Low



Site : chamber
Condition: 3m VERTICAL
Job No : 00304AT
Mode : 5755 TX RSE
Note : 5G WIFI 11AX40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	2194.9980	4.91	26.70	53.10	72.95	51.46	68.20	-16.74	Peak
2	3546.5770	7.04	28.78	52.93	63.52	46.41	68.20	-21.79	peak
3	5763.6170	7.93	32.49	52.87	64.01	51.56	68.20	-16.64	Peak
4	7989.8930	9.41	36.20	53.60	55.64	47.65	68.20	-20.55	peak
5	11510.000	11.60	39.70	53.81	53.96	51.45	74.00	-22.55	peak
6	17265.000	14.40	43.03	52.44	46.81	51.80	68.20	-16.40	peak



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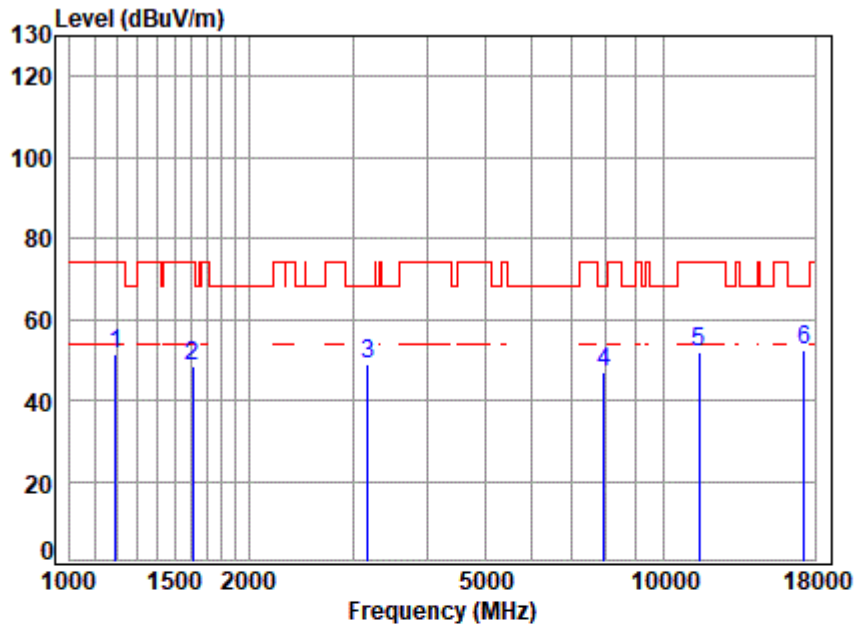
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Test Mode: 04; Polarity: Vertical; Modulation: 802.11ax(Full RU0); Bandwidth:40MHz; Channel:Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 00304AT
Mode : 5755 TX RSE
Note : 5G WIFI 11AX40

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1192.8110	3.13	24.29	52.65	76.60	51.37	74.00	-22.63	peak
2	1611.0910	4.01	24.82	52.91	72.33	48.25	74.00	-25.75	peak
3	3177.6720	6.19	28.64	53.04	67.35	49.14	68.20	-19.06	peak
4	7943.8380	9.32	36.22	53.59	55.21	47.16	68.20	-21.04	peak
5	11510.000	11.60	39.70	53.81	54.33	51.82	74.00	-22.18	peak
6	17265.000	14.40	43.03	52.44	47.34	52.33	68.20	-15.87	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: KDB 789033 D02 II G

Measurement Distance: 3m

Limit:

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

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

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

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

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

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

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

7.10.1 E.U.T. Operation

Operating Environment:

Temperature: 22.1 °C

Humidity: 53.0 % RH

Atmospheric Pressure: 1020 mbar



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7.10.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	01	TX mode (U-NII-1)(1st source antenna)_Keep the EUT in continuously transmitting mode with all modulation types of Beamforming mode (802.11 n/ac/ax) and Non-Beamforming mode (802.11 a/n/ac/ax) . All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.
Final test	04	TX mode (U-NII-3)(1st source antenna)_Keep the EUT in continuously transmitting mode with all modulation types of Beamforming mode (802.11 n/ac/ax) and Non-Beamforming mode (802.11 a/n/ac/ax). All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.
Final test	07	TX mode (U-NII-1)(2nd source antenna a)_Keep the EUT in continuously transmitting mode with all modulation types of Beamforming mode (802.11 n/ac/ax) and Non-Beamforming mode (802.11 a/n/ac/ax) . All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.
Final test	10	TX mode (U-NII-3)(2nd source antenna)_Keep the EUT in continuously transmitting mode with all modulation types of Beamforming mode (802.11 n/ac/ax) and Non-Beamforming mode (802.11 a/n/ac/ax). All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.

Remark: the EUT have two different manufacturers of antennas: The 1st source antennas (W1: VT-WF-1; W2: VT-WF-2) was performed full testing, the 2nd source antennas (W1: N03NKACE-PK1-LE1X90BUR1; W2: N03NKACF-PK1-LW1X120BUR3) was performed the worst mode of testing according to the applicant declare that the antenna specifications are the same.



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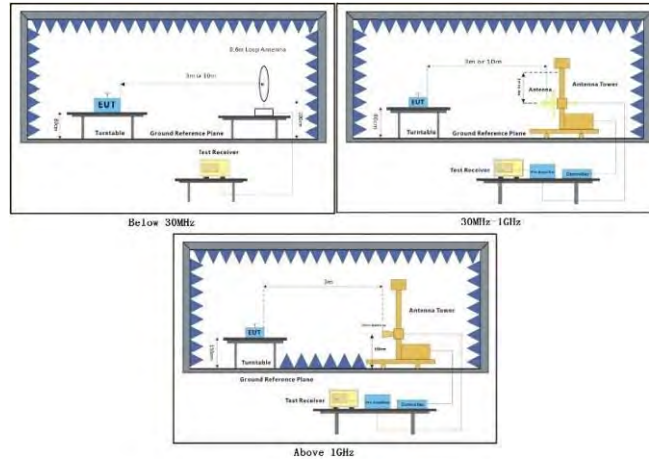
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7.10.3 Test Setup Diagram



7.10.4 Measurement Procedure and Data

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

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



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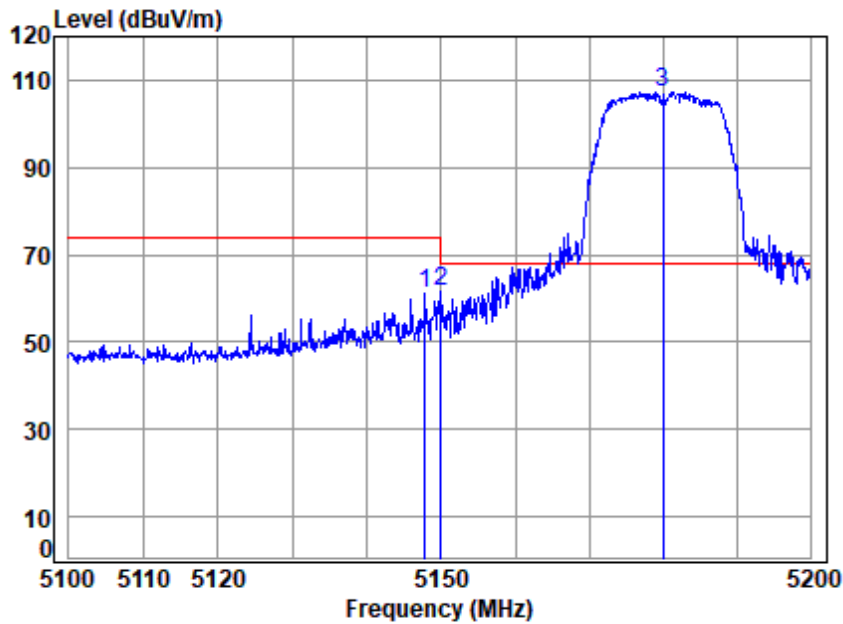
Compliance Certification Services (Kunshan) Inc. Shenzhen Branch

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Report No.: FYCR220800030403

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



Site : chamber
Condition: 3m HORIZONTAL
Job No : 00304AT
Mode : 5180 Band edge
Note : 5G WIFI 11A

		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dB	
1	5147.8570	8.29	31.77	31.81	53.03	61.28	74.00	-12.72 peak
2	5149.9800	8.29	31.77	31.82	53.54	61.78	74.00	-12.22 peak
3	5180.0000	8.29	31.85	31.86	98.89	107.17	68.20	38.97 peak



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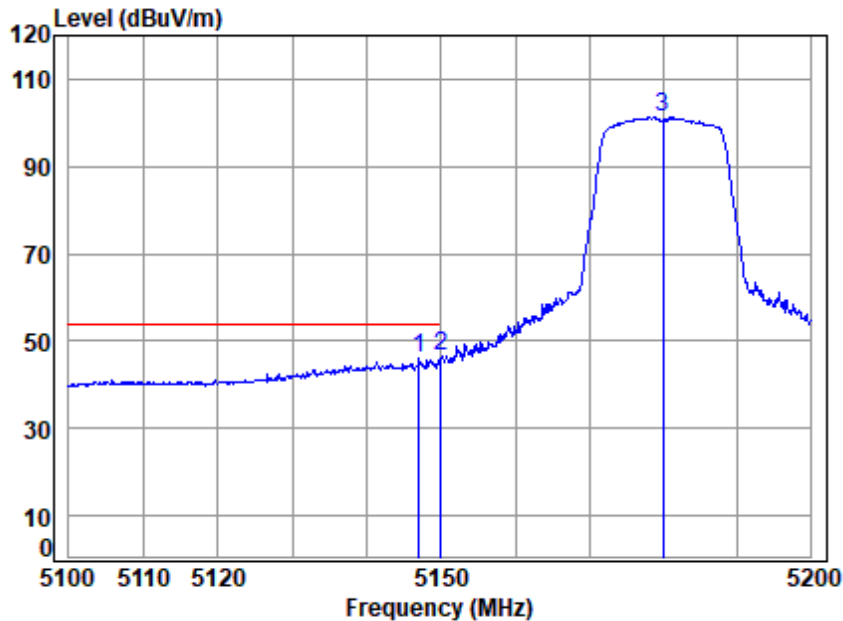
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Report No.: FYCR220800030403

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



Site : chamber
Condition: 3m HORIZONTAL
Job No : 00304AT
Mode : 5180 Band edge
Note : 5G WIFI 11A

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Line	Limit	Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5147.0580	8.29	31.76	31.81	37.83	46.07	54.00	-7.93 Average
2	5149.9800	8.29	31.77	31.82	38.28	46.52	54.00	-7.48 Average
3	5180.0000	8.29	31.85	31.86	92.94	101.22	-----	----- Average



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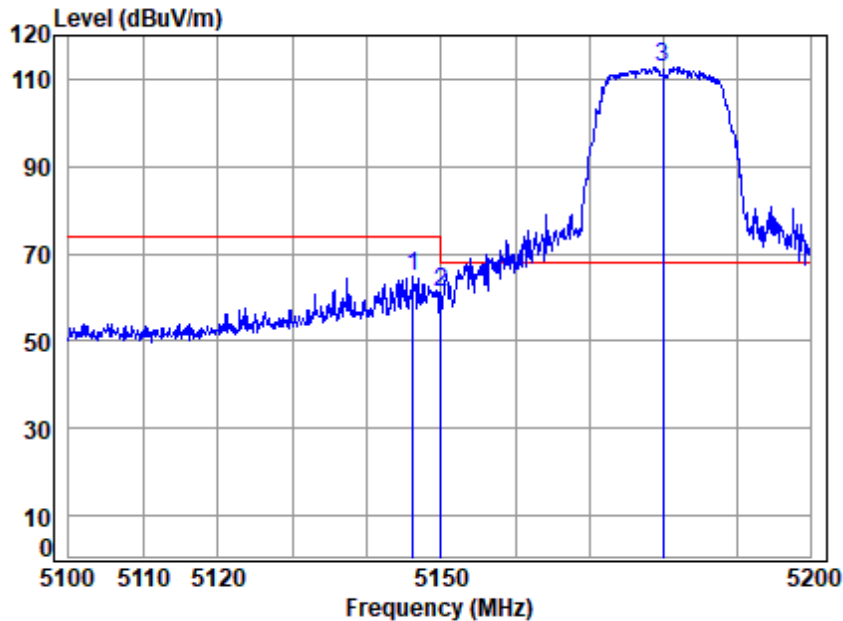
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Test Mode: 01; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Site : chamber
Condition: 3m VERTICAL
Job No : 00304AT
Mode : 5180 Band edge
Note : 5G WIFI 11A

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5146.1590	8.29	31.76	31.81	56.58	64.82	74.00	-9.18 Peak
2	5149.9800	8.29	31.77	31.82	52.95	61.19	74.00	-12.81 Peak
3	5180.0000	8.29	31.85	31.86	104.44	112.72	68.20	44.52 Peak



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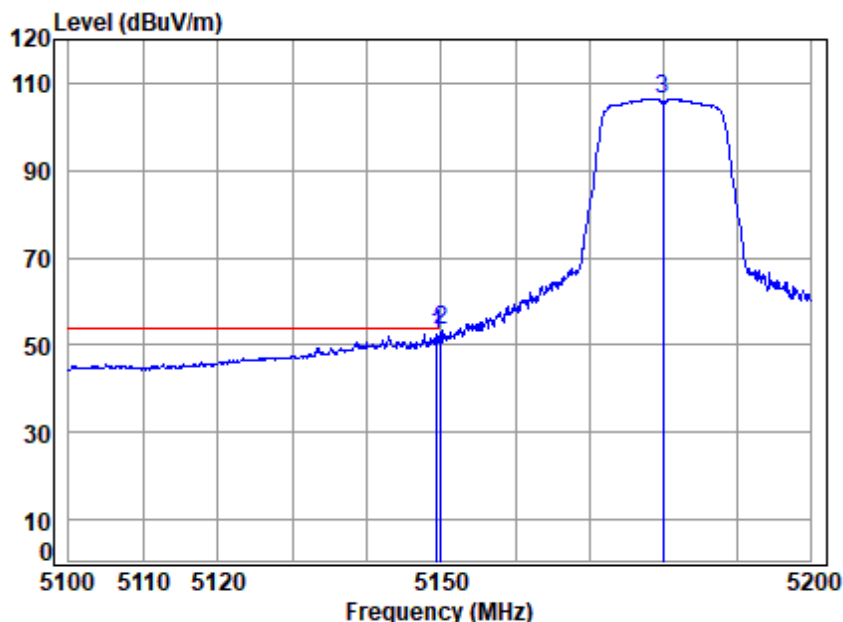
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Test Mode: 01; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Site : chamber
Condition: 3m VERTICAL
Job No : 00304AT
Mode : 5180 Band edge
Note : 5G WIFI 11A

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5149.3570	8.29	31.77	31.82	44.10	52.34	54.00	-1.66 Average
2	5149.9800	8.29	31.77	31.82	44.92	53.16	54.00	-0.84 Average
3	5180.0000	8.29	31.85	31.86	98.24	106.52	-----	----- Average



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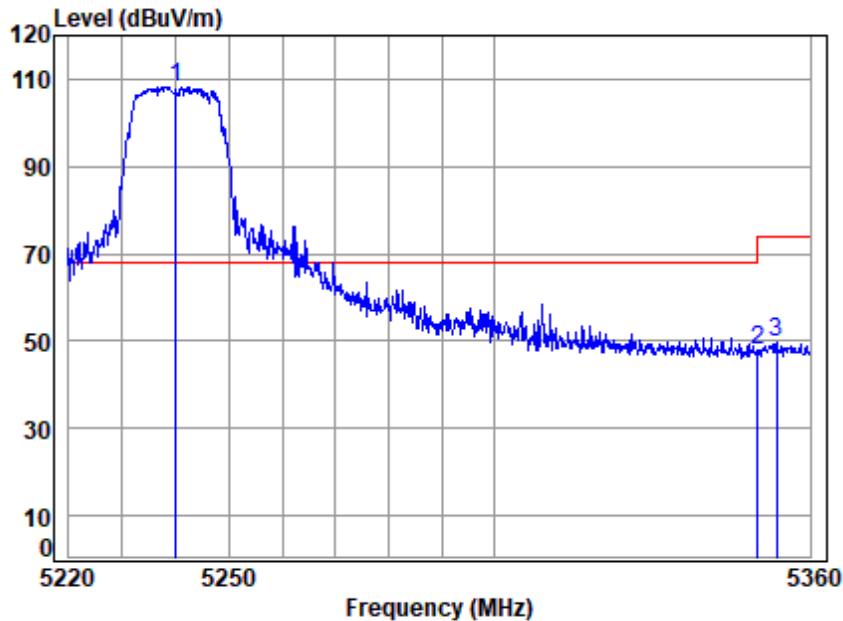
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Test Mode: 01; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Site : chamber
Condition: 3m HORIZONTAL
Job No : 00304AT
Mode : 5240 Band edge
Note : 5G WIFI 11A

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5240.0000	8.29	31.99	31.94	99.92	108.26	68.20	40.06 peak
2	5350.0200	8.28	32.25	32.10	39.61	48.04	74.00	-25.96 peak
3	5353.6200	8.28	32.26	32.10	41.08	49.52	74.00	-24.48 peak



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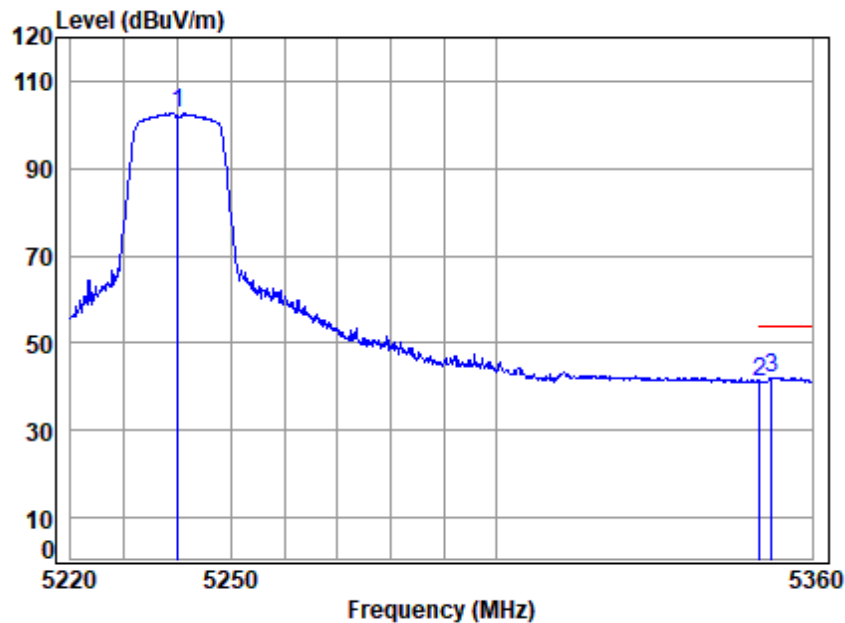
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Test Mode: 01; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Site : chamber
Condition: 3m HORIZONTAL
Job No : 00304AT
Mode : 5240 Band edge
Note : 5G WIFI 11A

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5240.0000	8.29	31.99	31.94	94.35	102.69	-----	----- Average
2	5350.0200	8.28	32.25	32.10	32.76	41.19	54.00	-12.81 Average
3	5352.3450	8.28	32.26	32.10	33.74	42.18	54.00	-11.82 Average



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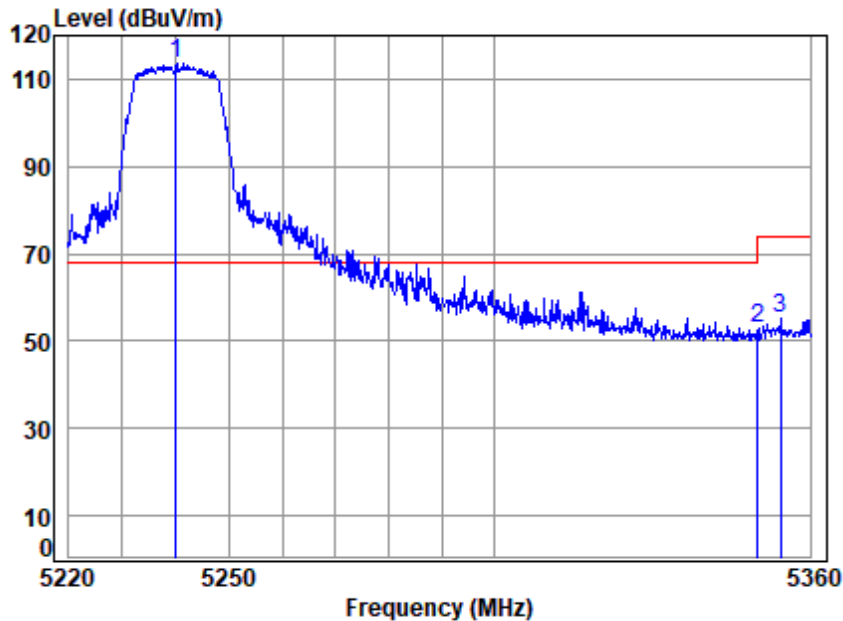
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Test Mode: 01; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Site : chamber
Condition: 3m VERTICAL
Job No : 00304AT
Mode : 5240 Band edge
Note : 5G WIFI 11A

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5240.0000	8.29	31.99	31.94	105.31	113.65	68.20	45.45	Peak
2	5350.0200	8.28	32.25	32.10	44.35	52.78	74.00	-21.22	Peak
3	5354.3290	8.28	32.26	32.10	46.68	55.12	74.00	-18.88	Peak



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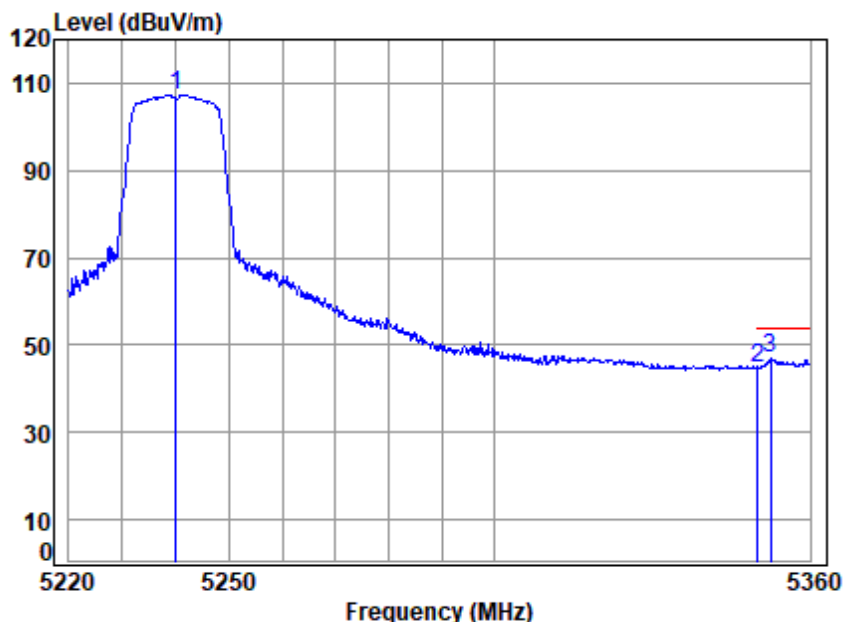
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Test Mode: 01; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Site : chamber
Condition: 3m VERTICAL
Job No : 00304AT
Mode : 5240 Band edge
Note : 5G WIFI 11A

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5240.0000	8.29	31.99	31.94	98.92	107.26	-----	----- Average
2	5350.0200	8.28	32.25	32.10	36.48	44.91	54.00	-9.09 Average
3	5352.4870	8.28	32.26	32.10	38.45	46.89	54.00	-7.11 Average



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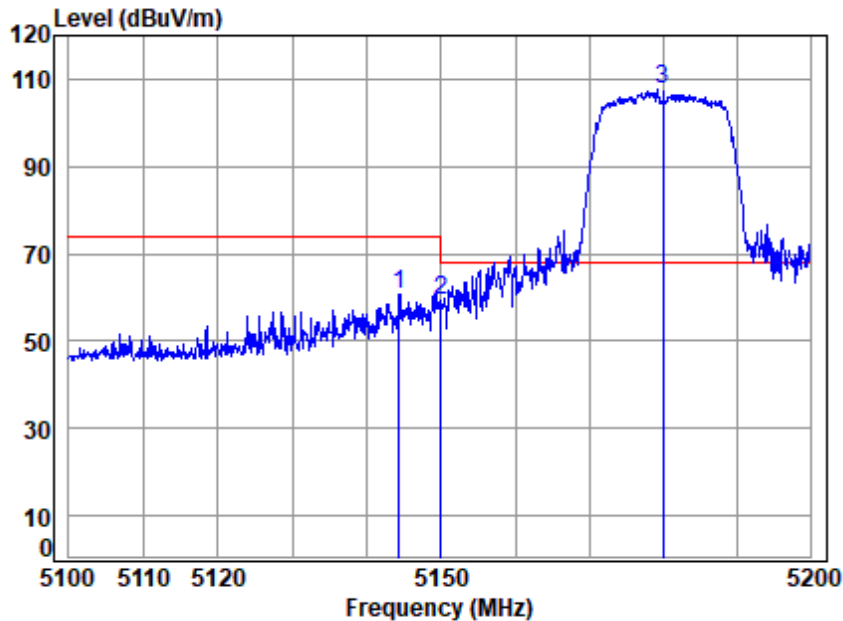
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Test Mode: 01; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 00304AT
Mode : 5180 Band edge
Note : 5G WIFI 11N20

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5144.3600	8.29	31.76	31.81	52.66	60.90	74.00	-13.10 peak
2	5149.9800	8.29	31.77	31.82	51.09	59.33	74.00	-14.67 peak
3	5180.0000	8.29	31.85	31.86	99.46	107.74	68.20	39.54 peak



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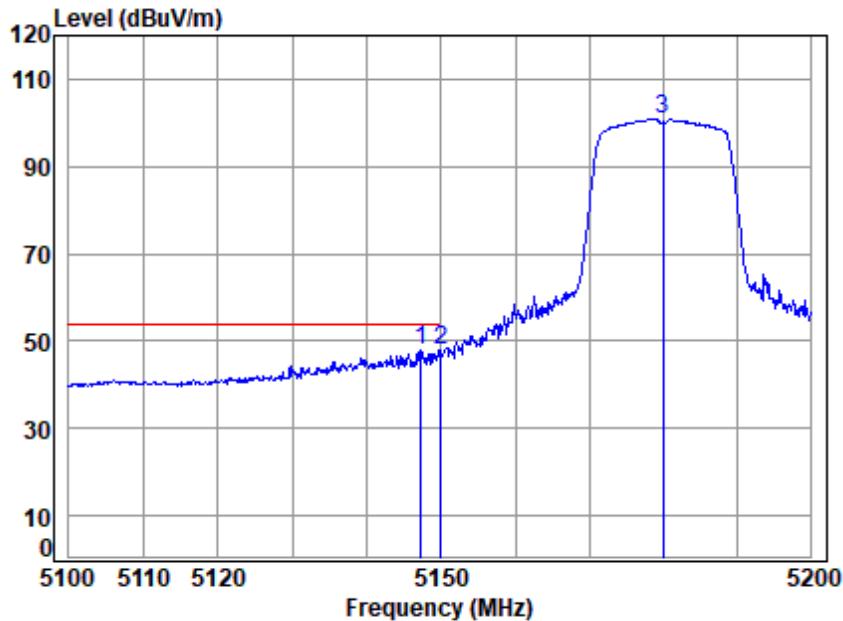
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Test Mode: 01; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 00304AT
Mode : 5180 Band edge
Note : 5G WIFI 11N20

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5147.2580	8.29	31.77	31.81	39.68	47.93	54.00	-6.07 Average
2	5149.9800	8.29	31.77	31.82	39.49	47.73	54.00	-6.27 Average
3	5180.0000	8.29	31.85	31.86	92.64	100.92	-----	----- Average



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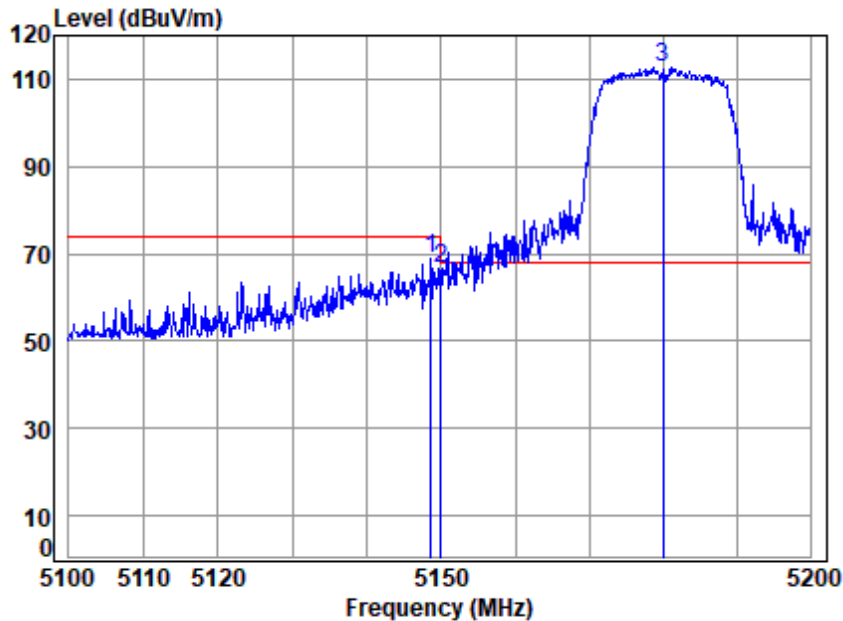
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Test Mode: 01; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



Site : chamber
Condition: 3m VERTICAL
Job No : 00304AT
Mode : 5180 Band edge
Note : 5G WIFI 11N20

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5148.6570	8.29	31.77	31.82	60.74	68.98	74.00	-5.02 Peak
2	5149.9800	8.29	31.77	31.82	58.29	66.53	74.00	-7.47 Peak
3	5180.0000	8.29	31.85	31.86	104.20	112.48	68.20	44.28 Peak



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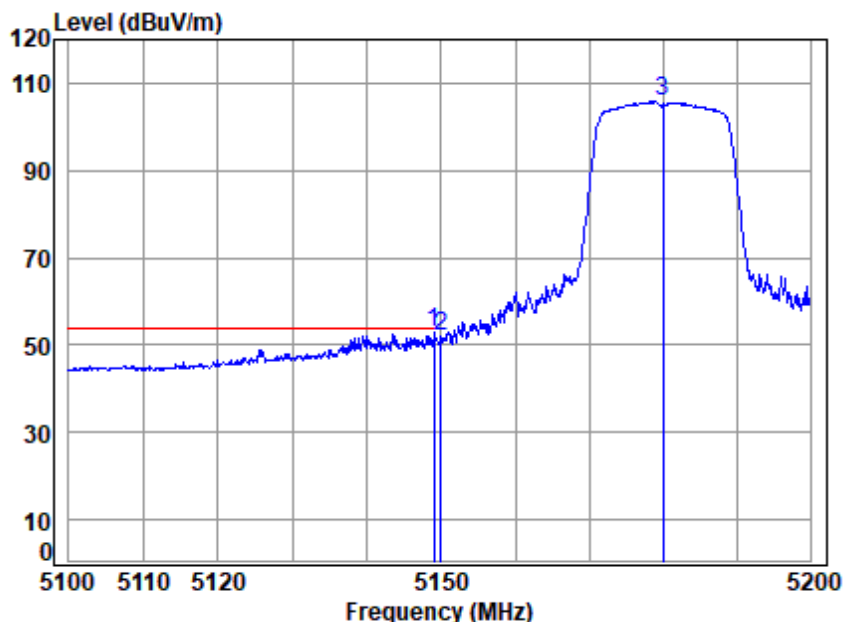
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Test Mode: 01; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



Site : chamber
Condition: 3m VERTICAL
Job No : 00304AT
Mode : 5180 Band edge
Note : 5G WIFI 11N20

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5148.9580	8.29	31.77	31.82	44.84	53.08	54.00	-0.92 Average
2	5149.9800	8.29	31.77	31.82	43.75	51.99	54.00	-2.01 Average
3	5180.0000	8.29	31.85	31.86	97.46	105.74	-----	----- Average



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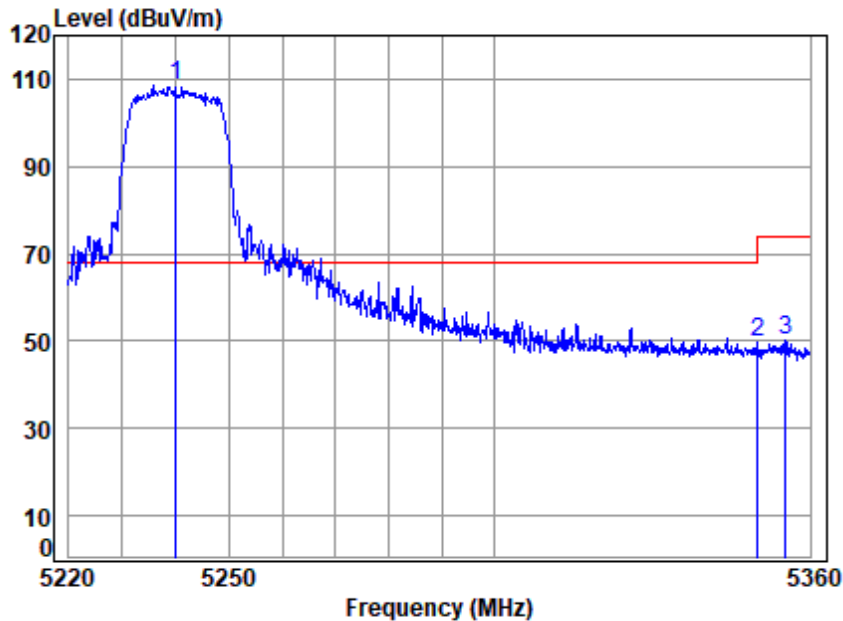
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Test Mode: 01; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:High



Site : chamber
Condition: 3m HORIZONTAL
Job No : 00304AT
Mode : 5240 Band edge
Note : 5G WIFI 11N20

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5240.0000	8.29	31.99	31.94	100.08	108.42	68.20	40.22	peak
2	5350.0200	8.28	32.25	32.10	41.30	49.73	74.00	-24.27	peak
3	5355.3210	8.28	32.26	32.10	41.54	49.98	74.00	-24.02	peak



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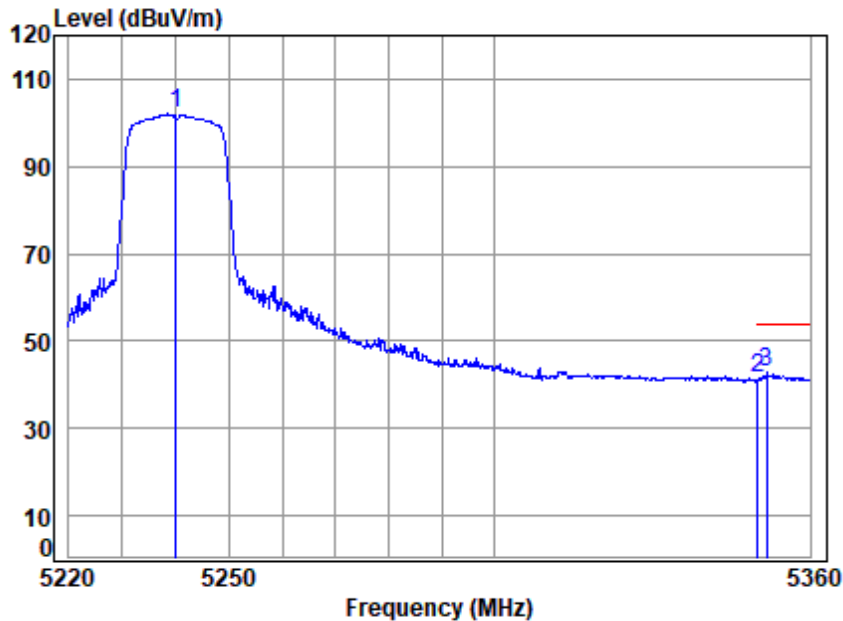
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Test Mode: 01; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:High



Site : chamber
Condition: 3m HORIZONTAL
Job No : 00304AT
Mode : 5240 Band edge
Note : 5G WIFI 11N20

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5240.0000	8.29	31.99	31.94	93.69	102.03	-----	----- Average
2	5350.0200	8.28	32.25	32.10	32.93	41.36	54.00	-12.64 Average
3	5351.7780	8.28	32.26	32.10	34.23	42.67	54.00	-11.33 Average



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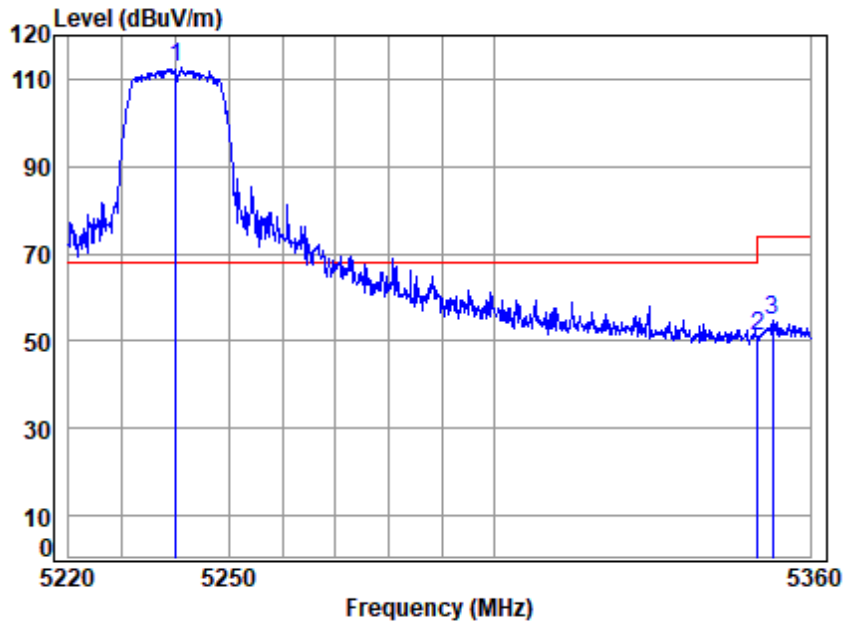
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Test Mode: 01; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:High



Site : chamber
Condition: 3m VERTICAL
Job No : 00304AT
Mode : 5240 Band edge
Note : 5G WIFI 11N20

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5240.0000	8.29	31.99	31.94	104.18	112.52	68.20	44.32 Peak
2	5350.0200	8.28	32.25	32.10	42.87	51.30	74.00	-22.70 Peak
3	5352.7700	8.28	32.26	32.10	46.20	54.64	74.00	-19.36 Peak



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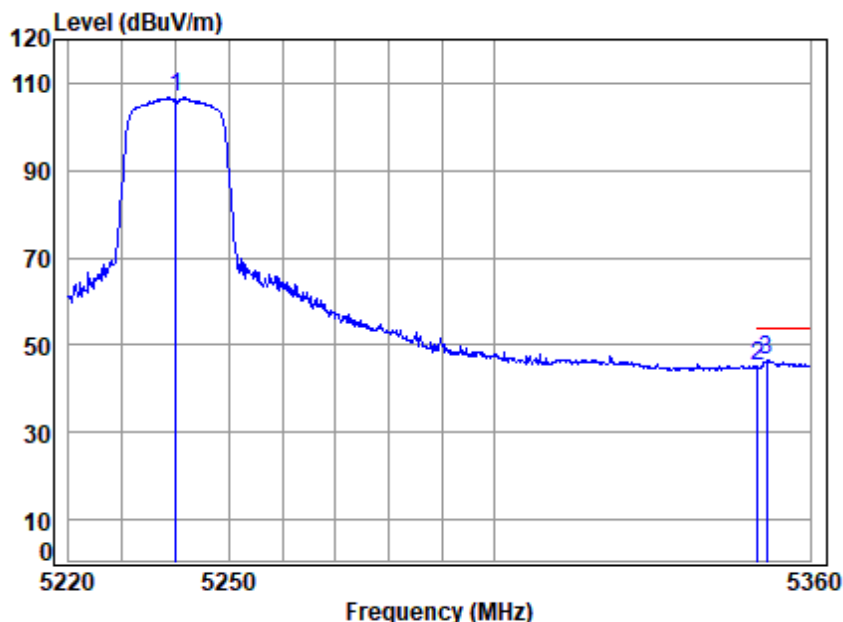
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Test Mode: 01; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:High



Site : chamber
Condition: 3m VERTICAL
Job No : 00304AT
Mode : 5240 Band edge
Note : 5G WIFI 11N20

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5240.0000	8.29	31.99	31.94	98.28	106.62	-----	-----	Average
2	5350.0200	8.28	32.25	32.10	36.68	45.11	54.00	-8.89	Average
3	5351.6370	8.28	32.26	32.10	38.18	46.62	54.00	-7.38	Average



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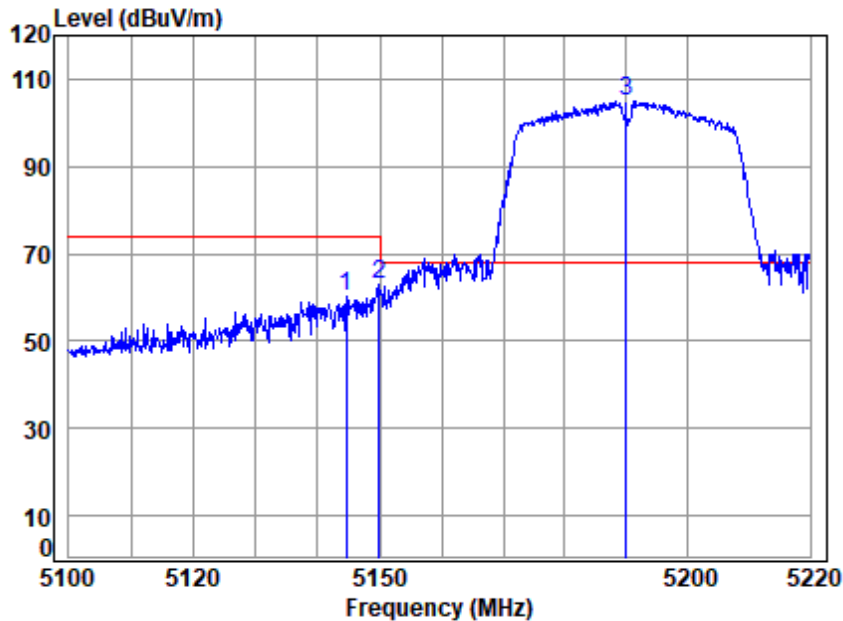
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Test Mode: 01; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 00304AT
Mode : 5190 Band edge
Note : 5G WIFI 11N40

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5144.6730	8.29	31.76	31.81	52.15	60.39	74.00	-13.61 peak
2	5149.9800	8.29	31.77	31.82	54.55	62.79	74.00	-11.21 peak
3	5190.0000	8.29	31.87	31.87	96.88	105.17	68.20	36.97 peak



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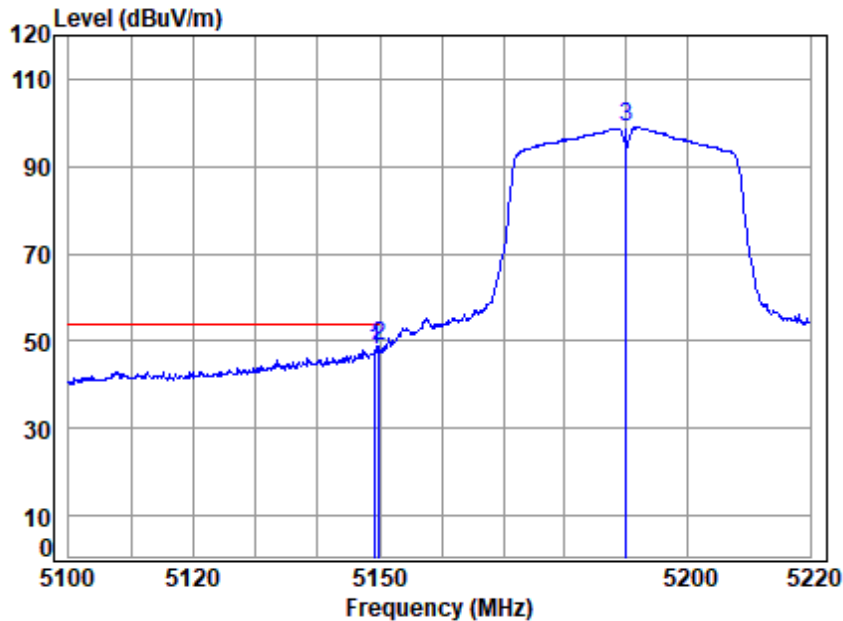
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Test Mode: 01; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 00304AT
Mode : 5190 Band edge
Note : 5G WIFI 11N40

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5149.3420	8.29	31.77	31.82	39.88	48.12	54.00	-5.88 Average
2	5149.9800	8.29	31.77	31.82	40.37	48.61	54.00	-5.39 Average
3	5190.0000	8.29	31.87	31.87	90.57	98.86	-----	----- Average



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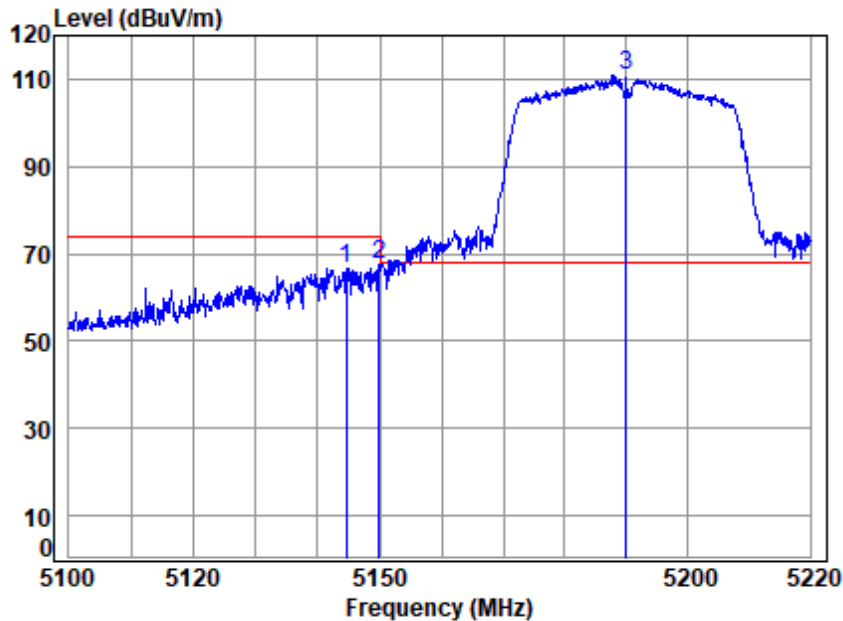
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Test Mode: 01; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



Site : chamber
Condition: 3m VERTICAL
Job No : 00304AT
Mode : 5190 Band edge
Note : 5G WIFI 11N40

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5144.5540	8.29	31.76	31.81	58.58	66.82	74.00	-7.18 Peak
2	5149.9800	8.29	31.77	31.82	59.13	67.37	74.00	-6.63 Peak
3	5190.0000	8.29	31.87	31.87	102.71	111.00	68.20	42.80 Peak



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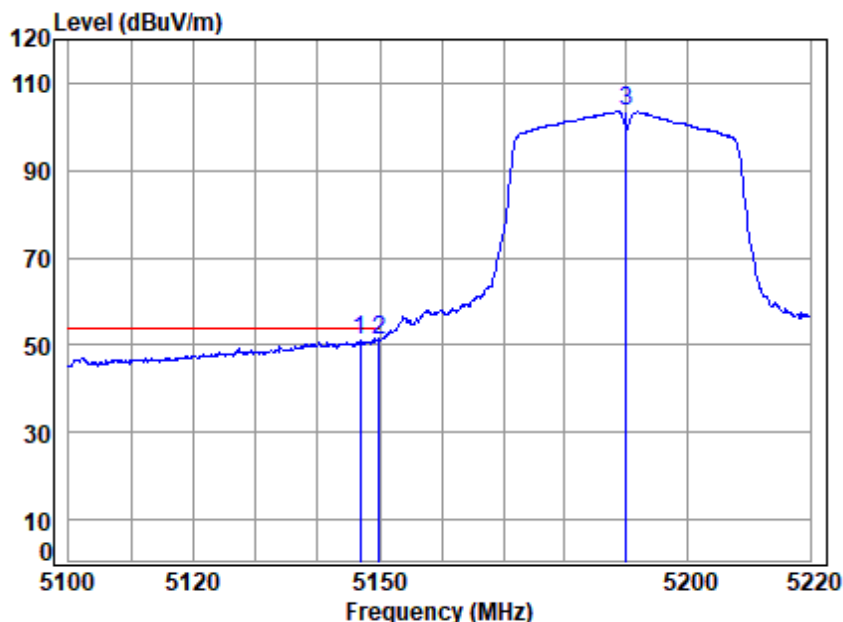
Compliance Certification Services (Kunshan) Inc. Shenzhen Branch

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Report No.: FYCR220800030403

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



Site : chamber
Condition: 3m VERTICAL
Job No : 00304AT
Mode : 5190 Band edge
Note : 5G WIFI 11N40

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5146.8280	8.29	31.76	31.81	42.70	50.94	54.00	-3.06 Average
2	5149.9800	8.29	31.77	31.82	43.08	51.32	54.00	-2.68 Average
3	5190.0000	8.29	31.87	31.87	95.30	103.59	-----	----- Average



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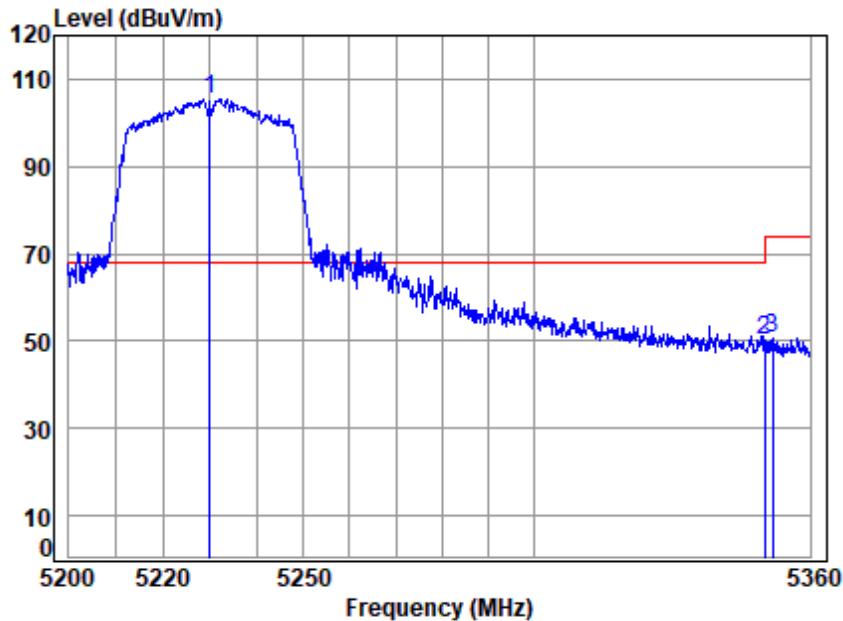
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Report No.: FYCR220800030403

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



Site : chamber
Condition: 3m HORIZONTAL
Job No : 00304AT
Mode : 5230 Band edge
Note : 5G WIFI 11N40

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Line	Limit	Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dB	
1	5230.0000	8.29	31.97	31.93	97.25	105.58	68.20	37.38 peak
2	5350.0200	8.28	32.25	32.10	41.96	50.39	74.00	-23.61 peak
3	5351.7220	8.28	32.26	32.10	42.18	50.62	74.00	-23.38 peak



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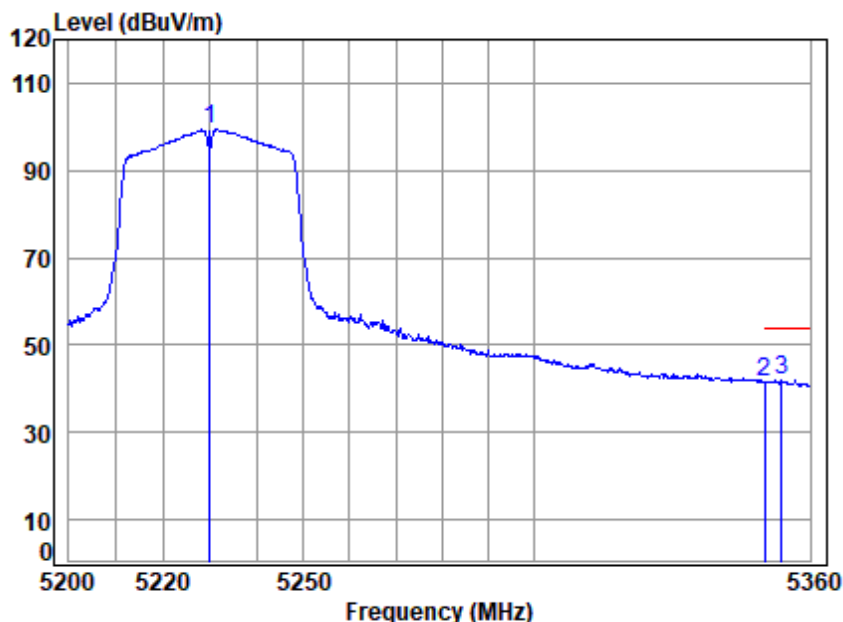
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Test Mode: 01; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:High



Site : chamber
Condition: 3m HORIZONTAL
Job No : 00304AT
Mode : 5230 Band edge
Note : 5G WIFI 11N40

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5230.0000	8.29	31.97	31.93	91.11	99.44	-----	----- Average
2	5350.0200	8.28	32.25	32.10	33.06	41.49	54.00	-12.51 Average
3	5353.6690	8.28	32.26	32.10	33.52	41.96	54.00	-12.04 Average



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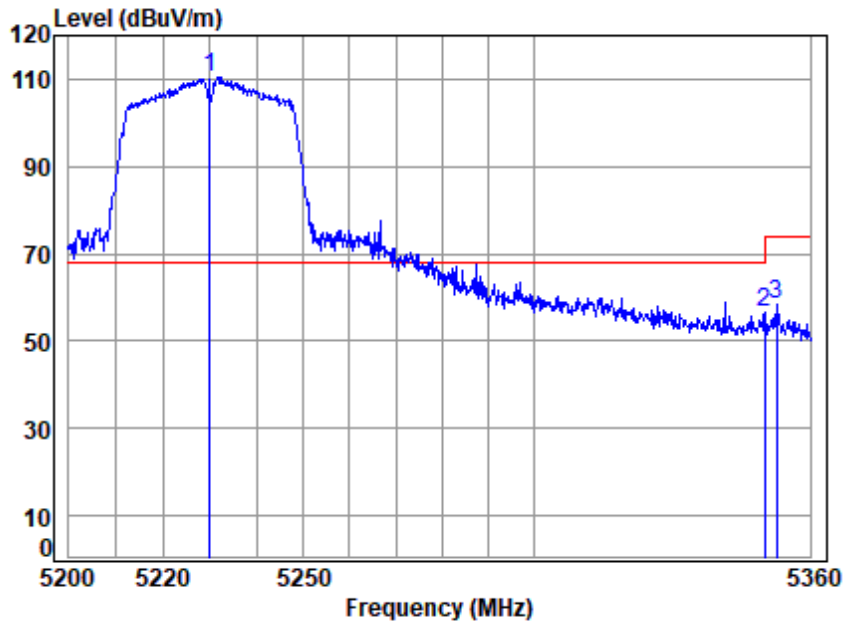
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Test Mode: 01; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:High



Site : chamber
Condition: 3m VERTICAL
Job No : 00304AT
Mode : 5230 Band edge
Note : 5G WIFI 11N40

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5230.0000	8.29	31.97	31.93	101.97	110.30	68.20	42.10	Peak
2	5350.0200	8.28	32.25	32.10	47.95	56.38	74.00	-17.62	Peak
3	5352.6950	8.28	32.26	32.10	50.15	58.59	74.00	-15.41	Peak



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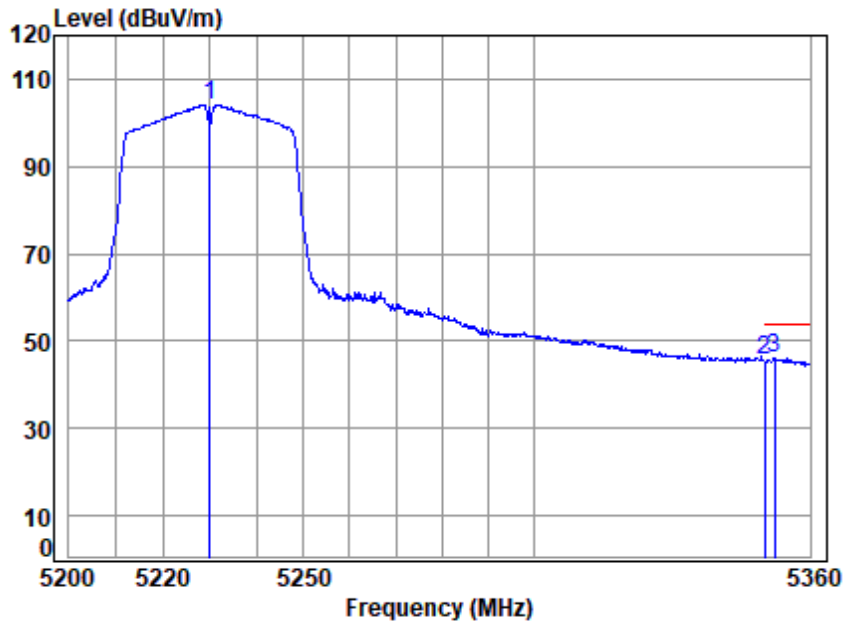
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Test Mode: 01; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:High



Site : chamber
Condition: 3m VERTICAL
Job No : 00304AT
Mode : 5230 Band edge
Note : 5G WIFI 11N40

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5230.0000	8.29	31.97	31.93	95.84	104.17	-----	----- Average
2	5350.0200	8.28	32.25	32.10	37.03	45.46	54.00	-8.54 Average
3	5352.2080	8.28	32.26	32.10	37.56	46.00	54.00	-8.00 Average



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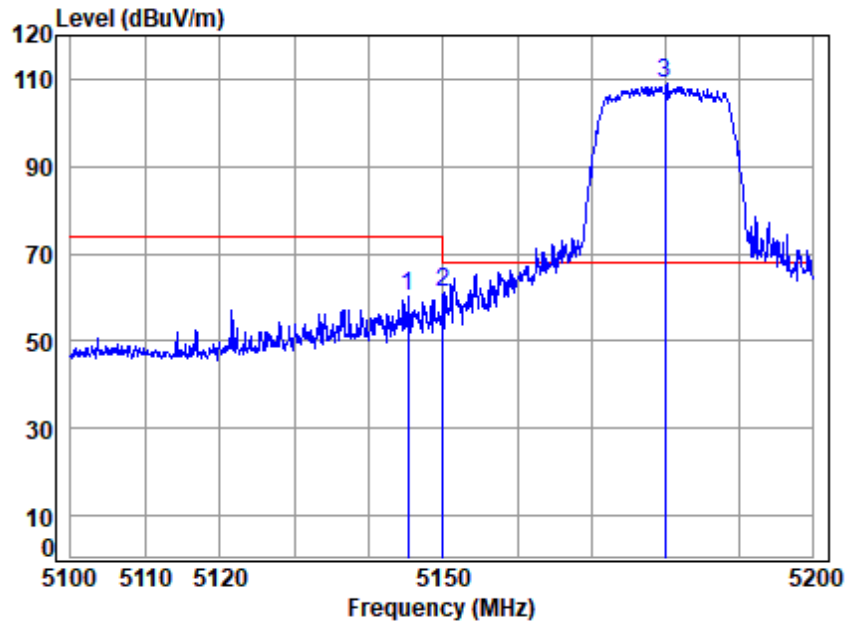
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Test Mode: 01; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:20MHz; Channel:Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 00304AT
Mode : 5180 Band edge
Note : 5G WIFI 11AC20

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5145.2590	8.29	31.76	31.81	52.06	60.30	74.00	-13.70 peak
2	5149.9800	8.29	31.77	31.82	52.69	60.93	74.00	-13.07 peak
3	5180.0000	8.29	31.85	31.86	100.73	109.01	68.20	40.81 peak



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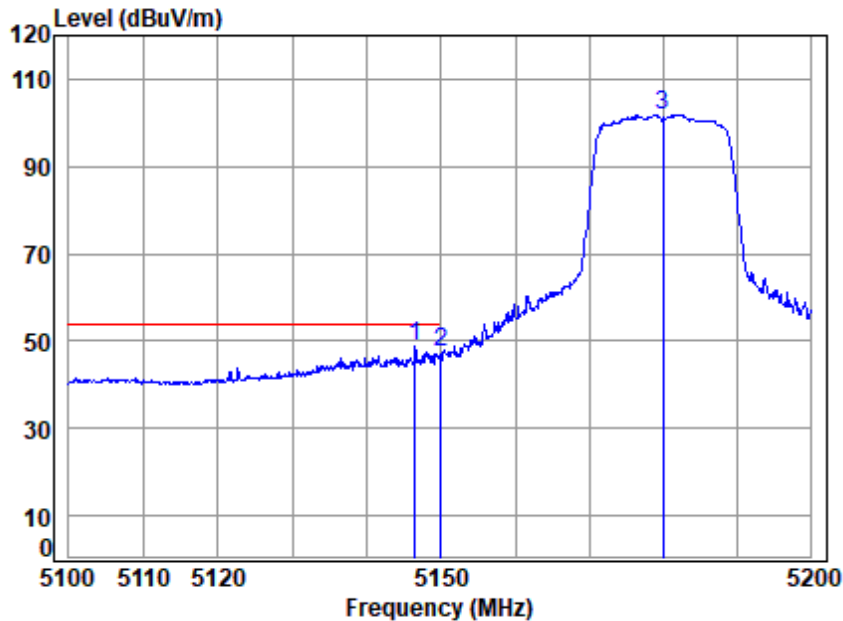
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Test Mode: 01; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:20MHz; Channel:Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 00304AT
Mode : 5180 Band edge
Note : 5G WIFI 11AC20

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5146.4580	8.29	31.76	31.81	40.44	48.68	54.00	-5.32 Average
2	5149.9800	8.29	31.77	31.82	39.29	47.53	54.00	-6.47 Average
3	5180.0000	8.29	31.85	31.86	93.66	101.94	-----	----- Average



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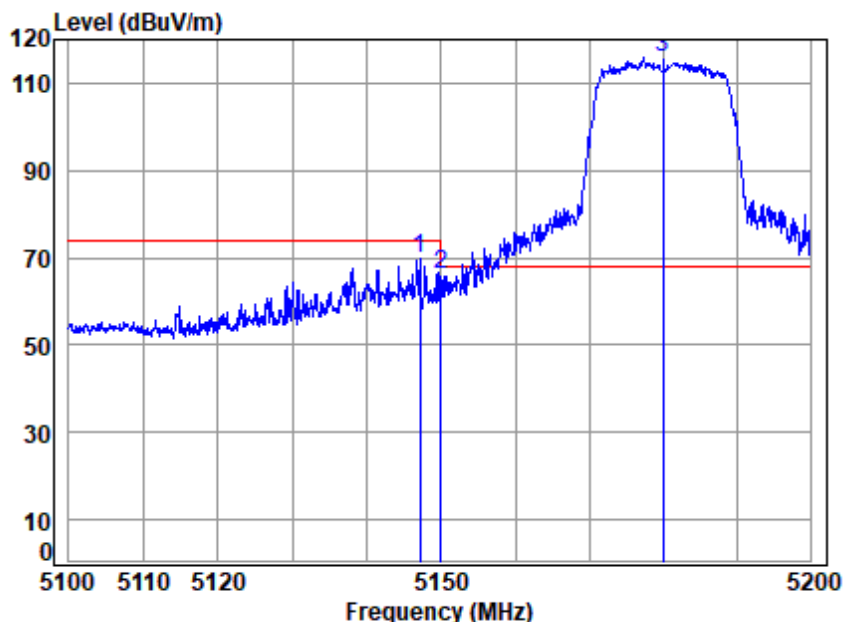
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Test Mode: 01; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:Low



Site : chamber
Condition: 3m VERTICAL
Job No : 00304AT
Mode : 5180 Band edge
Note : 5G WIFI 11AC20

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5147.1580	8.29	31.77	31.81	61.48	69.73	74.00	-4.27 Peak
2	5149.9800	8.29	31.77	31.82	57.96	66.20	74.00	-7.80 Peak
3	5180.0000	8.29	31.85	31.86	107.39	115.67	68.20	47.47 Peak



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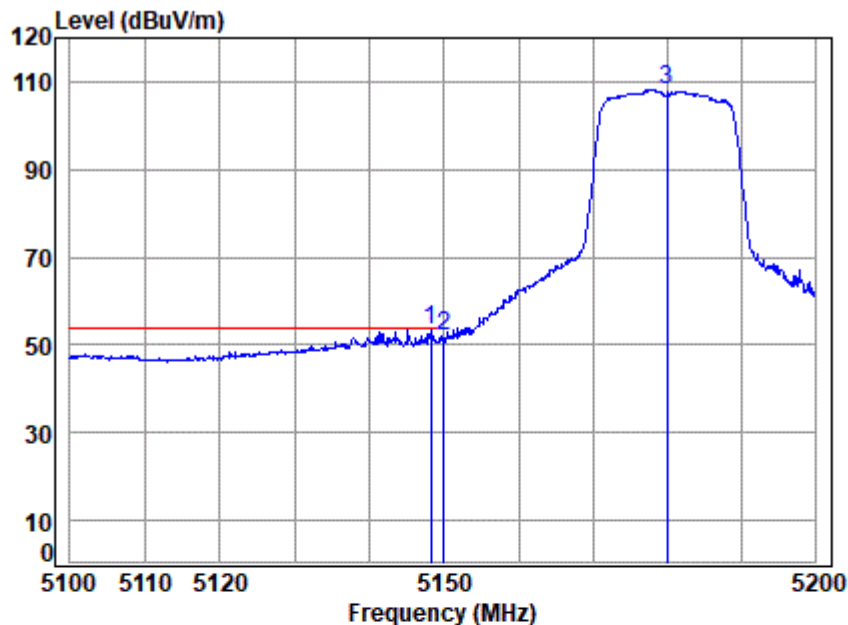
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Test Mode: 01; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:Low



Site : chamber
Condition: 3m VERTICAL
Job No : 00304AT
Mode : 5180 Band edge
Note : 5G WIFI 11AC20

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5148.1580	8.29	31.77	31.81	45.24	53.49	54.00	-0.51	Average
2	5149.9800	8.29	31.77	31.82	43.64	51.88	54.00	-2.12	Average
3	5180.0000	8.29	31.85	31.86	99.97	108.25	-----	-----	Average



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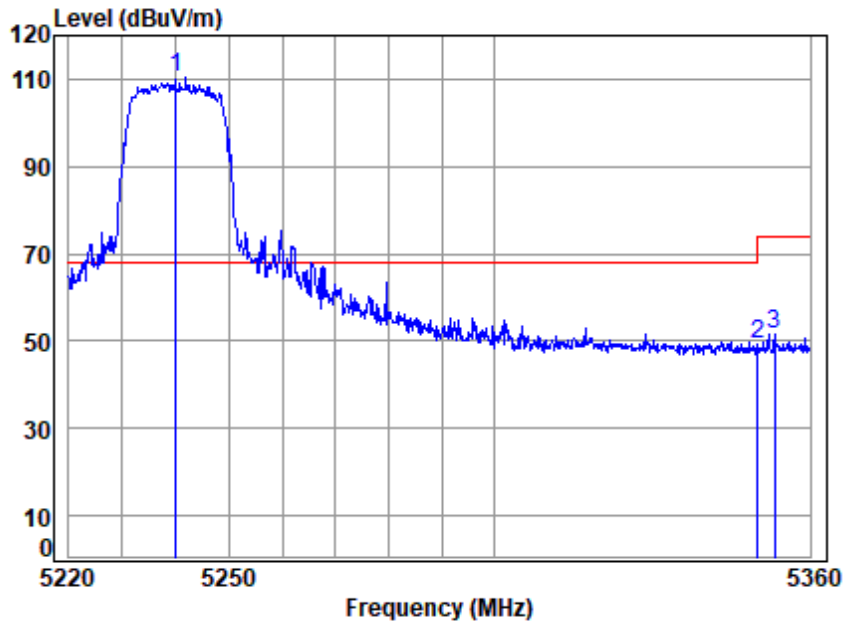
Compliance Certification Services (Kunshan) Inc. Shenzhen Branch

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Report No.: FYCR220800030403

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



Site : chamber
Condition: 3m HORIZONTAL
Job No : 00304AT
Mode : 5240 Band edge
Note : 5G WIFI 11AC20

		Cable	Ant	Preamp	Read		Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5240.0000	8.29	31.99	31.94	102.00	110.34	68.20	42.14	peak
2	5350.0200	8.28	32.25	32.10	40.88	49.31	74.00	-24.69	peak
3	5353.1950	8.28	32.26	32.10	43.19	51.63	74.00	-22.37	peak



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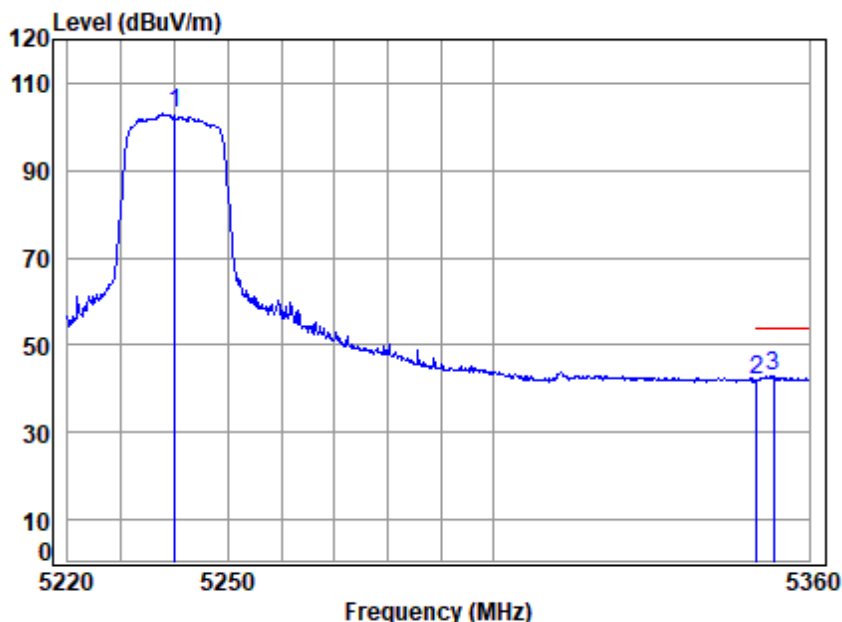
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Test Mode: 01; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:20MHz; Channel:High



Site : chamber
Condition: 3m HORIZONTAL
Job No : 00304AT
Mode : 5240 Band edge
Note : 5G WIFI 11AC20

		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5240.0000	8.29	31.99	31.94	94.60	102.94	-----	----- Average
2	5350.0200	8.28	32.25	32.10	33.57	42.00	54.00	-12.00 Average
3	5353.1950	8.28	32.26	32.10	34.45	42.89	54.00	-11.11 Average



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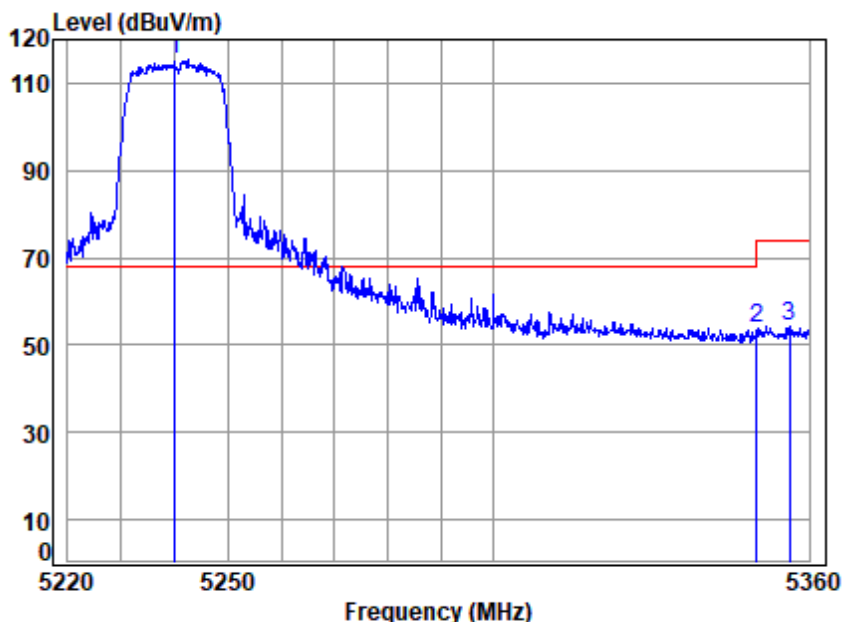
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Test Mode: 01; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:High



Site : chamber
Condition: 3m VERTICAL
Job No : 00304AT
Mode : 5240 Band edge
Note : 5G WIFI 11AC20

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5240.0000	8.29	31.99	31.94	107.18	115.52	68.20	47.32	Peak
2	5350.0200	8.28	32.25	32.10	45.20	53.63	74.00	-20.37	Peak
3	5356.1710	8.28	32.27	32.11	45.83	54.27	74.00	-19.73	Peak



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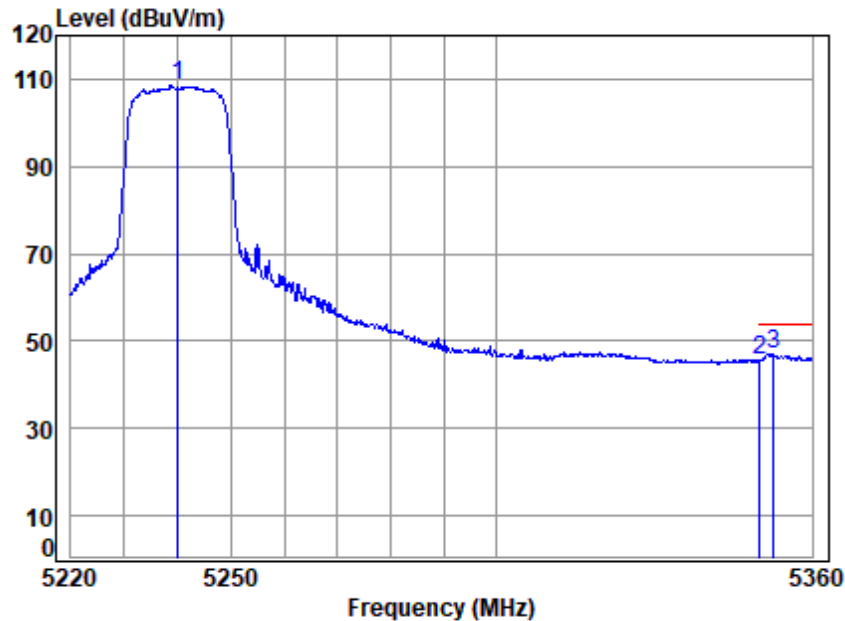
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Test Mode: 01; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:High



Site : chamber
Condition: 3m VERTICAL
Job No : 00304AT
Mode : 5240 Band edge
Note : 5G WIFI 11AC20

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5240.0000	8.29	31.99	31.94	100.17	108.51	-----	----- Average
2	5350.0200	8.28	32.25	32.10	37.38	45.81	54.00	-8.19 Average
3	5352.6280	8.28	32.26	32.10	38.54	46.98	54.00	-7.02 Average



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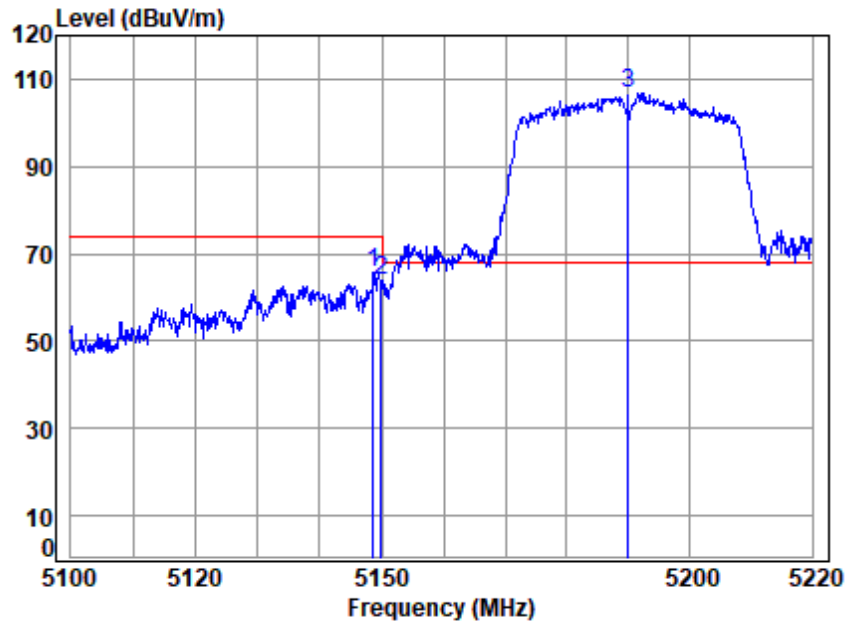
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Test Mode: 01; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:40MHz; Channel:Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 00304AT
Mode : 5190 Band edge
Note : 5G WIFI 11AC40

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5148.6230	8.29	31.77	31.82	57.39	65.63	74.00	-8.37 peak
2	5149.9800	8.29	31.77	31.82	55.74	63.98	74.00	-10.02 peak
3	5190.0000	8.29	31.87	31.87	98.32	106.61	68.20	38.41 peak



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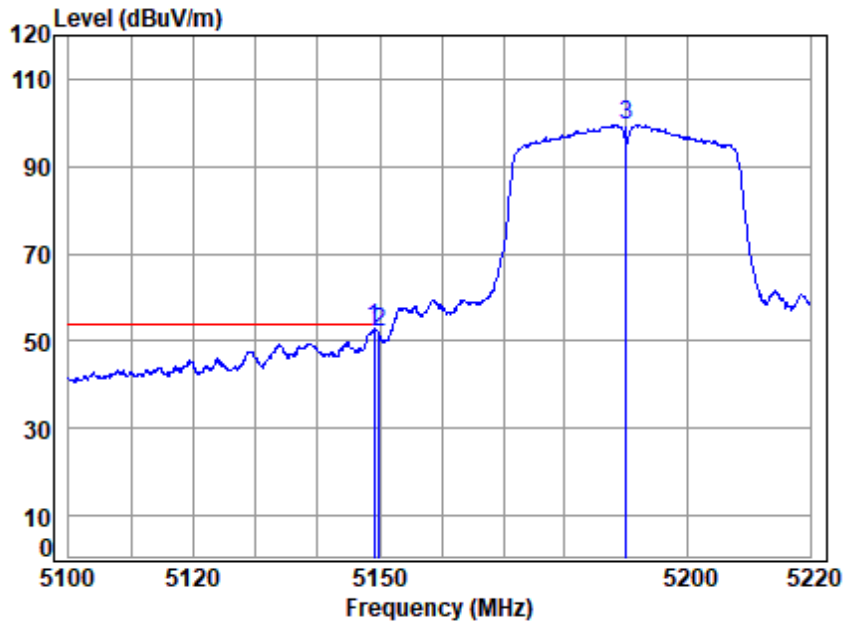
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Test Mode: 01; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:40MHz; Channel:Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 00304AT
Mode : 5190 Band edge
Note : 5G WIFI 11AC40

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5149.1020	8.29	31.77	31.82	44.54	52.78	54.00	-1.22 Average
2	5149.9800	8.29	31.77	31.82	43.99	52.23	54.00	-1.77 Average
3	5190.0000	8.29	31.87	31.87	91.18	99.47	-----	----- Average



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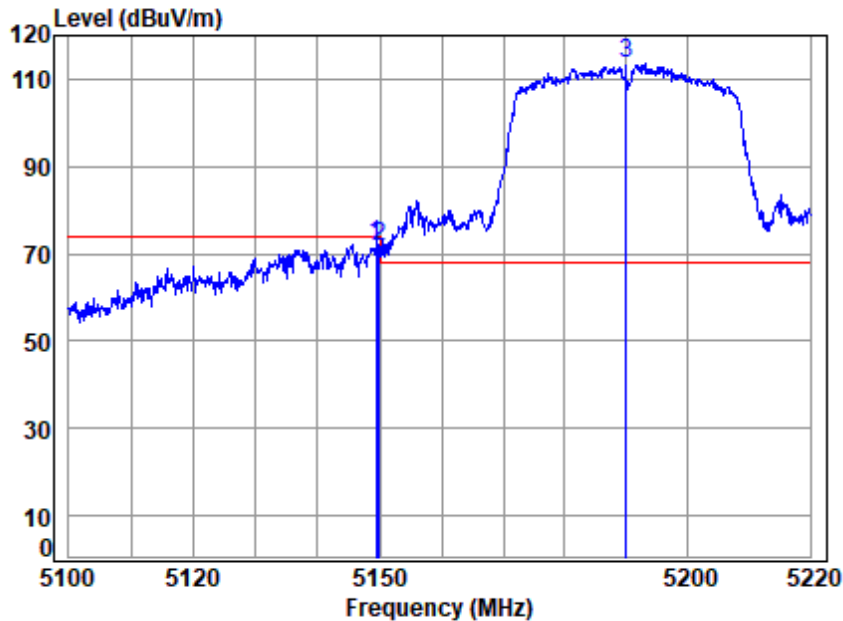
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Test Mode: 01; Polarity: Vertical; Modulation:802.11ac; Bandwidth:40MHz; Channel:Low



Site : chamber
Condition: 3m VERTICAL
Job No : 00304AT
Mode : 5190 Band edge
Note : 5G WIFI 11AC40

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Line	Limit	Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5149.4610	8.29	31.77	31.82	63.69	71.93	74.00	-2.07 Peak
2	5149.9800	8.29	31.77	31.82	63.46	71.70	74.00	-2.30 Peak
3	5190.0000	8.29	31.87	31.87	105.40	113.69	68.20	45.49 Peak



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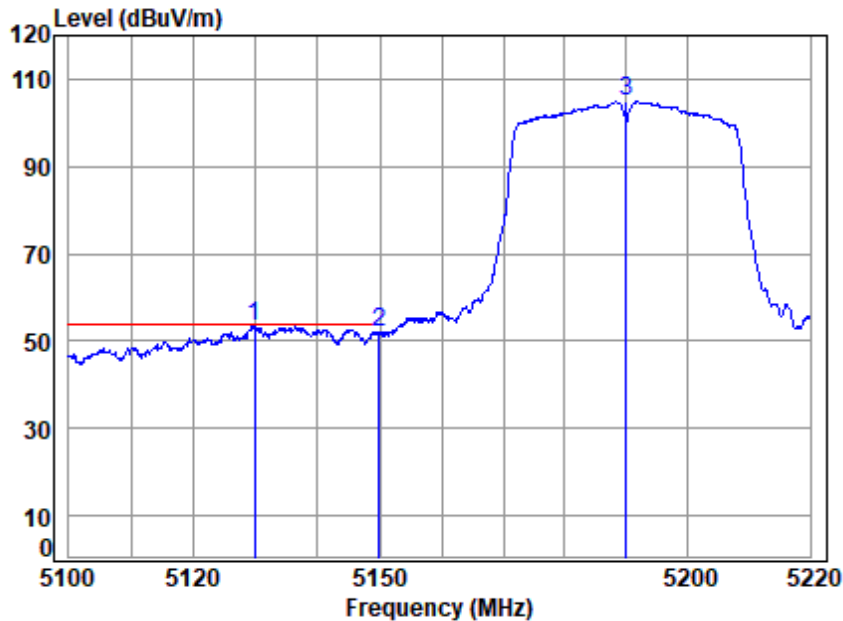
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Test Mode: 01; Polarity: Vertical; Modulation:802.11ac; Bandwidth:40MHz; Channel:Low



Site : chamber
Condition: 3m VERTICAL
Job No : 00304AT
Mode : 5190 Band edge
Note : 5G WIFI 11AC40

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5129.8580	8.29	31.72	31.79	45.26	53.48	54.00	-0.52 Average
2	5149.9800	8.29	31.77	31.82	43.76	52.00	54.00	-2.00 Average
3	5190.0000	8.29	31.87	31.87	96.52	104.81	-----	----- Average



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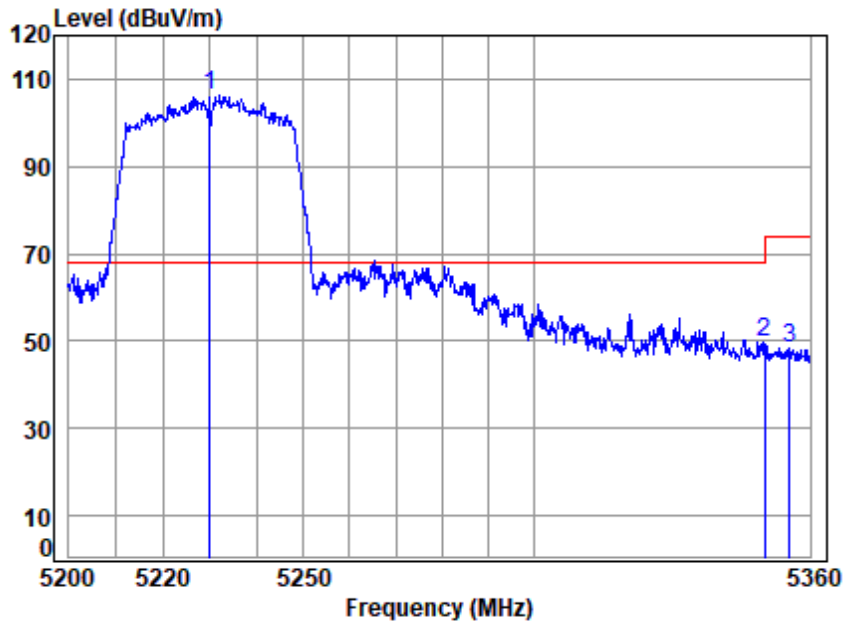
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Test Mode: 01; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:40MHz; Channel:High



Site : chamber
Condition: 3m HORIZONTAL
Job No : 00304AT
Mode : 5230 Band edge
Note : 5G WIFI 11AC40

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5230.0000	8.29	31.97	31.93	97.83	106.16	68.20	37.96 peak
2	5350.0200	8.28	32.25	32.10	41.09	49.52	74.00	-24.48 peak
3	5355.4540	8.28	32.26	32.10	40.01	48.45	74.00	-25.55 peak



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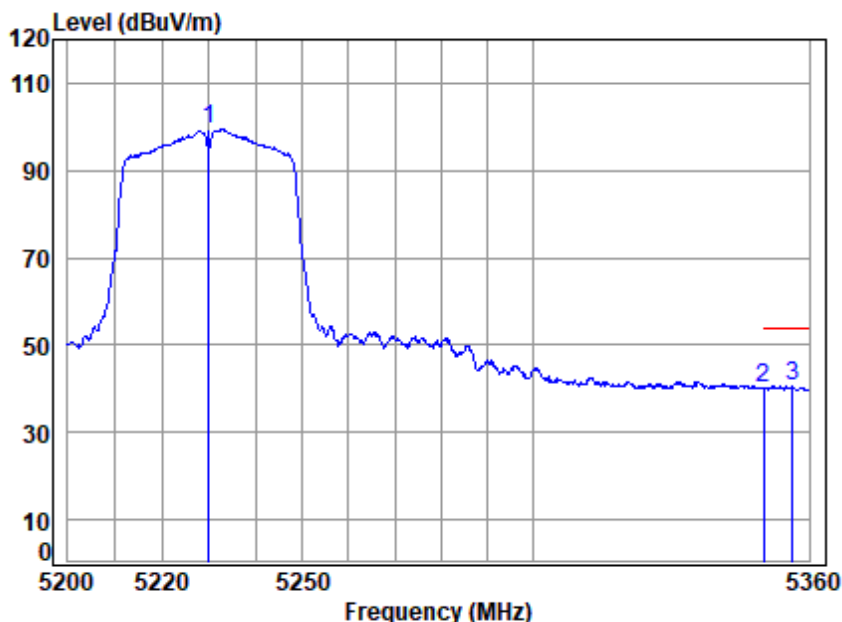
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Test Mode: 01; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:40MHz; Channel:High



Site : chamber
Condition: 3m HORIZONTAL
Job No : 00304AT
Mode : 5230 Band edge
Note : 5G WIFI 11AC40

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5230.0000	8.29	31.97	31.93	91.12	99.45	-----	----- Average
2	5350.0200	8.28	32.25	32.10	31.93	40.36	54.00	-13.64 Average
3	5356.4280	8.28	32.27	32.11	32.16	40.60	54.00	-13.40 Average



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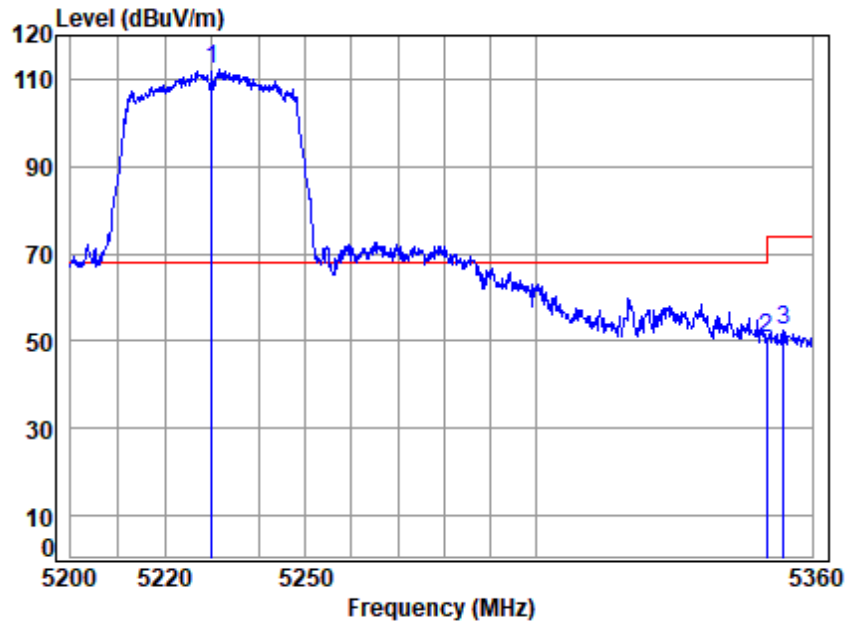
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Test Mode: 01; Polarity: Vertical; Modulation:802.11ac; Bandwidth:40MHz; Channel:High



Site : chamber
Condition: 3m VERTICAL
Job No : 00304AT
Mode : 5230 Band edge
Note : 5G WIFI 11AC40

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5230.0000	8.29	31.97	31.93	103.84	112.17	68.20	43.97 Peak
2	5350.0200	8.28	32.25	32.10	42.19	50.62	74.00	-23.38 Peak
3	5353.6690	8.28	32.26	32.10	43.93	52.37	74.00	-21.63 Peak



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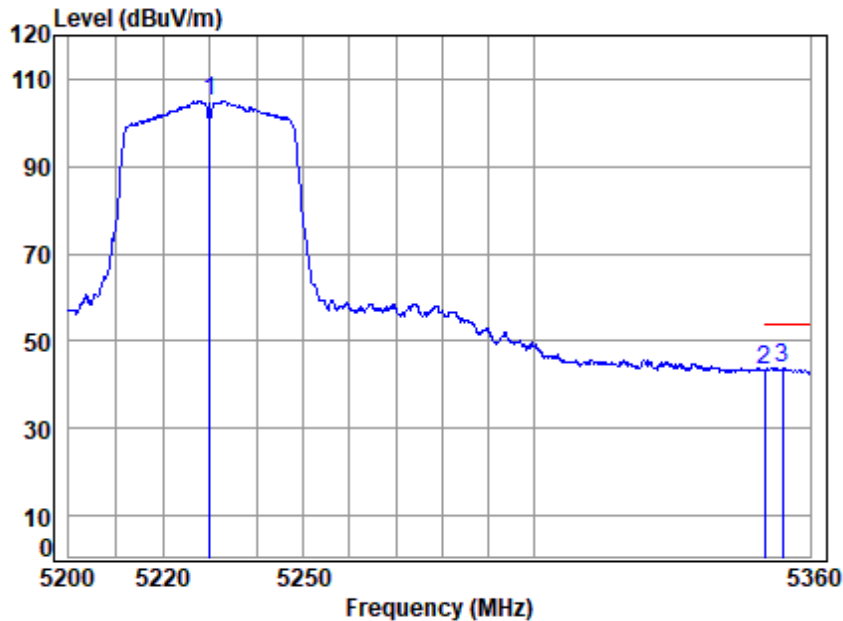
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Test Mode: 01; Polarity: Vertical; Modulation:802.11ac; Bandwidth:40MHz; Channel:High



Site : chamber
Condition: 3m VERTICAL
Job No : 00304AT
Mode : 5230 Band edge
Note : 5G WIFI 11AC40

		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5230.0000	8.29	31.97	31.93	96.67	105.00	-----	----- Average
2	5350.0200	8.28	32.25	32.10	34.91	43.34	54.00	-10.66 Average
3	5353.9930	8.28	32.26	32.10	35.45	43.89	54.00	-10.11 Average



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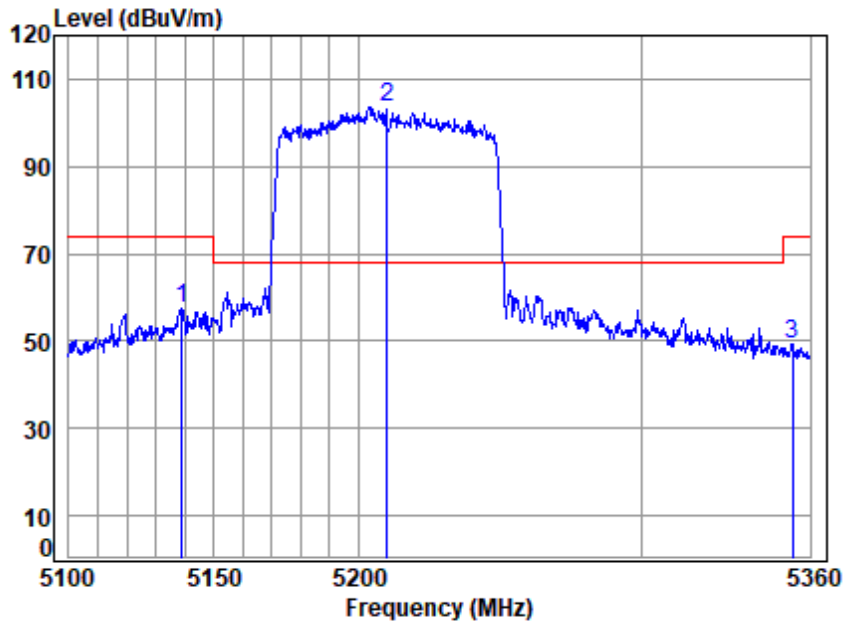
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Test Mode: 01; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:80MHz; Channel:middle



Site : chamber
Condition: 3m HORIZONTAL
Job No : 00304AT
Mode : 5210 Band edge
Note : 5G WIFI 11AC80

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5138.6910	8.29	31.74	31.80	49.31	57.54	74.00	-16.46	peak
2	5210.0000	8.29	31.92	31.90	95.19	103.50	68.20	35.30	peak
3	5353.6070	8.28	32.26	32.10	41.00	49.44	74.00	-24.56	peak



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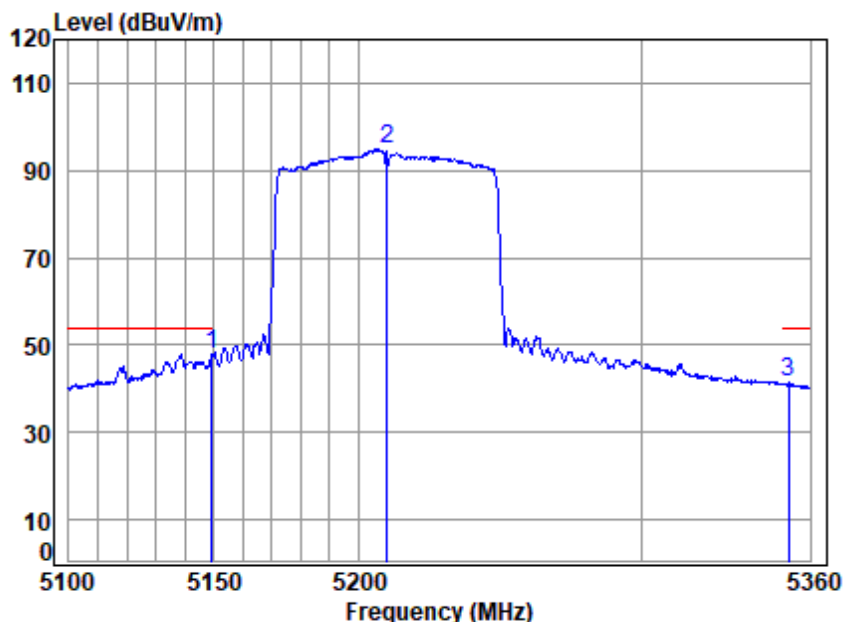
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Test Mode: 01; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:80MHz; Channel:middle



Site : chamber
Condition: 3m HORIZONTAL
Job No : 00304AT
Mode : 5210 Band edge
Note : 5G WIFI 11AC80

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Line	Limit	Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dB	
1	5149.1780	8.29	31.77	31.82	39.67	47.91	54.00	-6.09 Average
2	5210.0000	8.29	31.92	31.90	86.64	94.95	-----	Average
3	5352.2760	8.28	32.26	32.10	33.20	41.64	54.00	-12.36 Average



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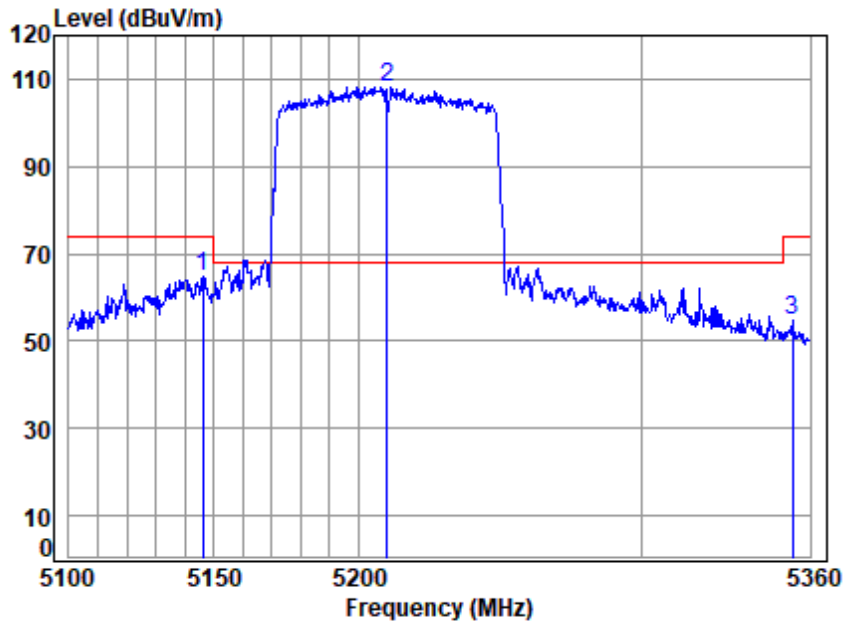
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Test Mode: 01; Polarity: Vertical; Modulation:802.11ac; Bandwidth:80MHz; Channel:middle



Site : chamber
Condition: 3m VERTICAL
Job No : 00304AT
Mode : 5210 Band edge
Note : 5G WIFI 11AC80

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5146.1070	8.29	31.76	31.81	56.62	64.86	74.00	-9.14	Peak
2	5210.0000	8.29	31.92	31.90	100.00	108.31	68.20	40.11	Peak
3	5353.6070	8.28	32.26	32.10	46.20	54.64	74.00	-19.36	Peak



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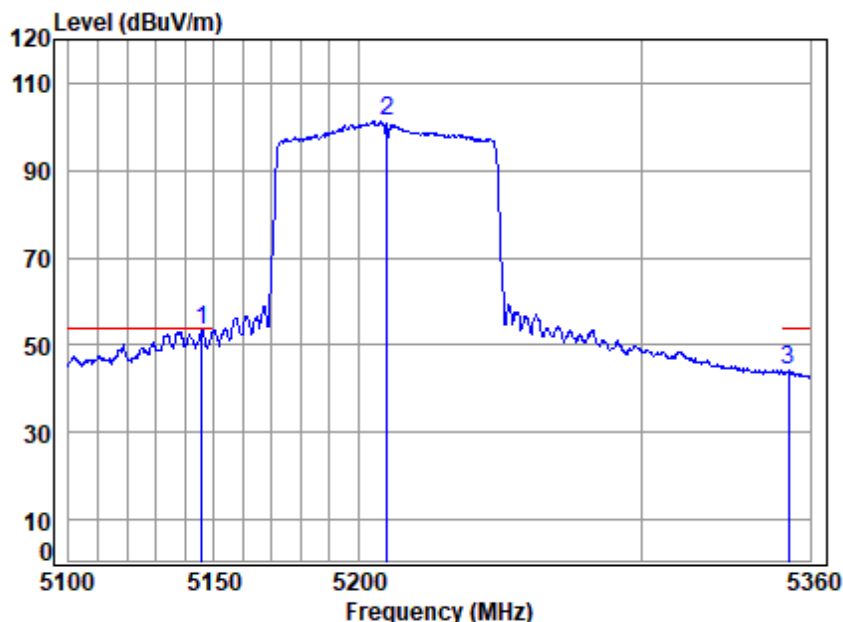
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Test Mode: 01; Polarity: Vertical; Modulation:802.11ac; Bandwidth:80MHz; Channel:middle



Site : chamber
Condition: 3m VERTICAL
Job No : 00304AT
Mode : 5210 Band edge
Note : 5G WIFI 11AC80

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5145.8510	8.29	31.76	31.81	45.10	53.34	54.00	-0.66 Average
2	5210.0000	8.29	31.92	31.90	92.90	101.21	-----	----- Average
3	5352.2760	8.28	32.26	32.10	35.62	44.06	54.00	-9.94 Average



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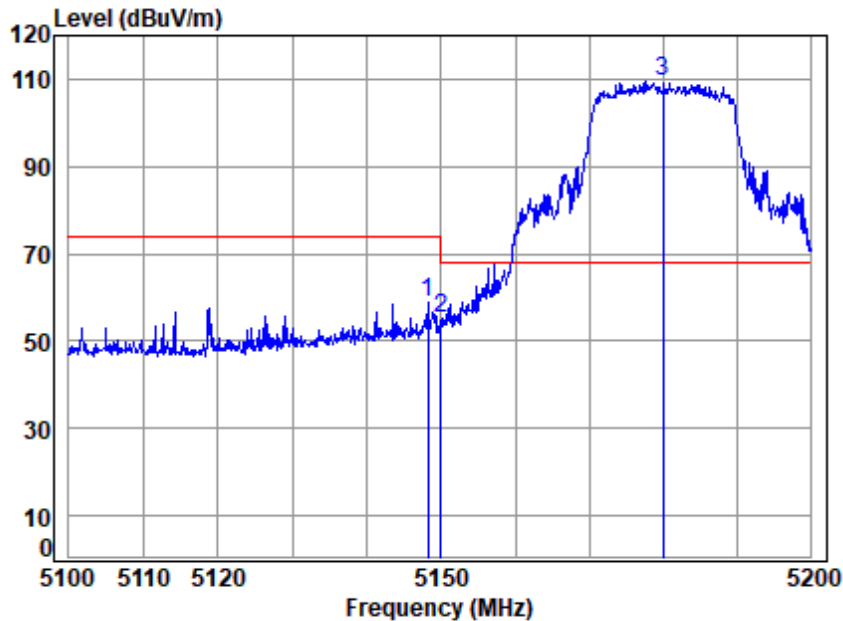
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Test Mode: 01; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 00304AT
Mode : 5180 Band edge
Note : 5G WIFI 11AX20

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5148.2570	8.29	31.77	31.81	50.67	58.92	74.00	-15.08 peak
2	5149.9800	8.29	31.77	31.82	47.18	55.42	74.00	-18.58 peak
3	5180.0000	8.29	31.85	31.86	101.27	109.55	68.20	41.35 peak



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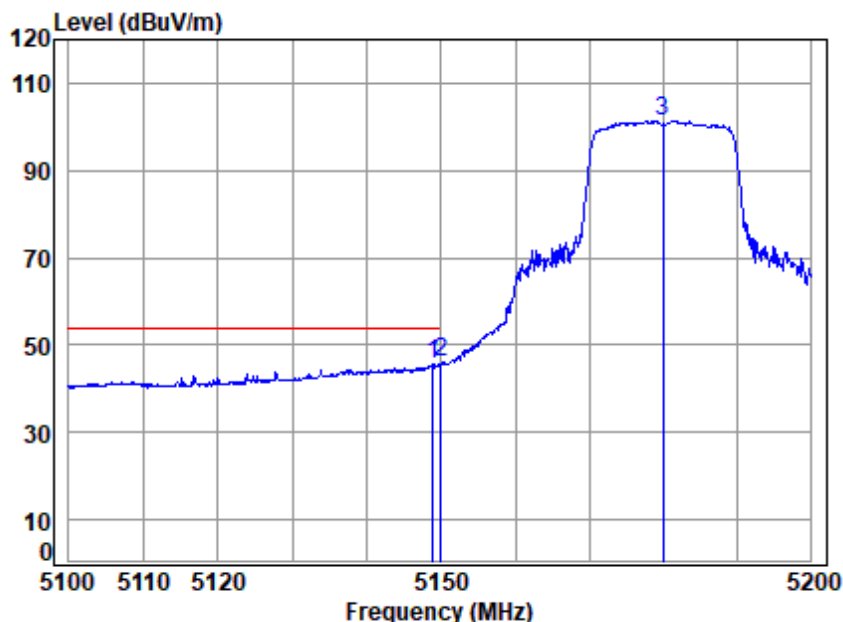
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Test Mode: 01; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 00304AT
Mode : 5180 Band edge
Note : 5G WIFI 11AX20

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5148.8570	8.29	31.77	31.82	37.57	45.81	54.00	-8.19 Average
2	5149.9800	8.29	31.77	31.82	37.74	45.98	54.00	-8.02 Average
3	5180.0000	8.29	31.85	31.86	93.15	101.43	-----	----- Average



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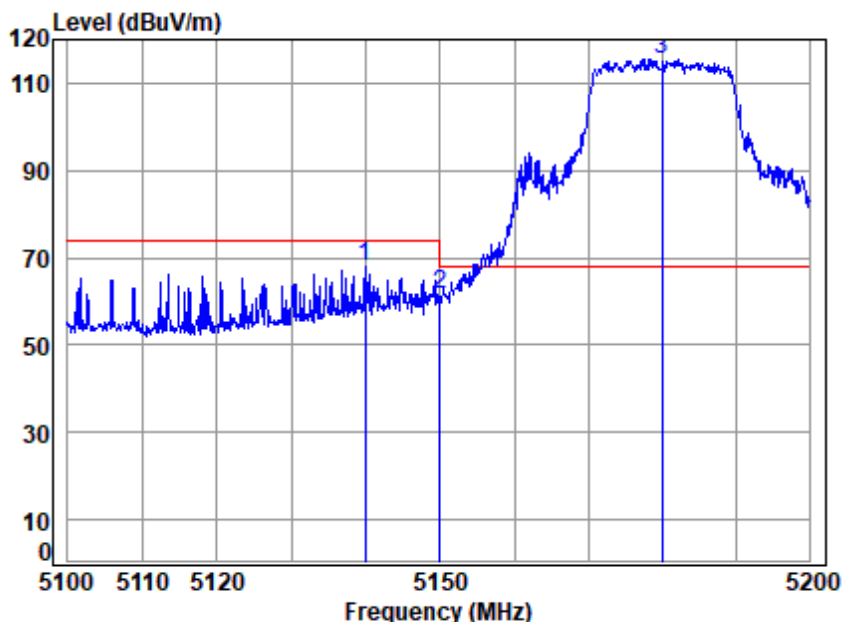
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Test Mode: 01; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:Low



Site : chamber
Condition: 3m VERTICAL
Job No : 00304AT
Mode : 5180 Band edge
Note : 5G WIFI 11AX20

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5139.8670	8.29	31.75	31.80	59.58	67.82	74.00	-6.18 Peak
2	5149.9800	8.29	31.77	31.82	53.43	61.67	74.00	-12.33 Peak
3	5180.0000	8.29	31.85	31.86	107.29	115.57	68.20	47.37 Peak



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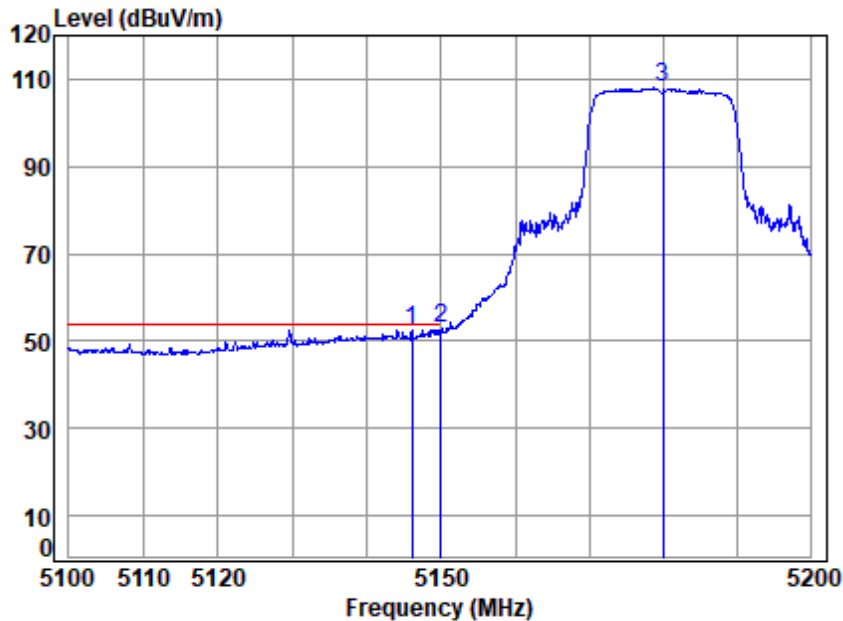
Compliance Certification Services (Kunshan) Inc. Shenzhen Branch

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Report No.: FYCR220800030403

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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 : 00304AT
Mode : 5180 Band edge
Note : 5G WIFI 11AX20

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5146.0590	8.29	31.76	31.81	44.46	52.70	54.00	-1.30 Average
2	5149.9800	8.29	31.77	31.82	44.88	53.12	54.00	-0.88 Average
3	5180.0000	8.29	31.85	31.86	99.76	108.04	-----	----- Average



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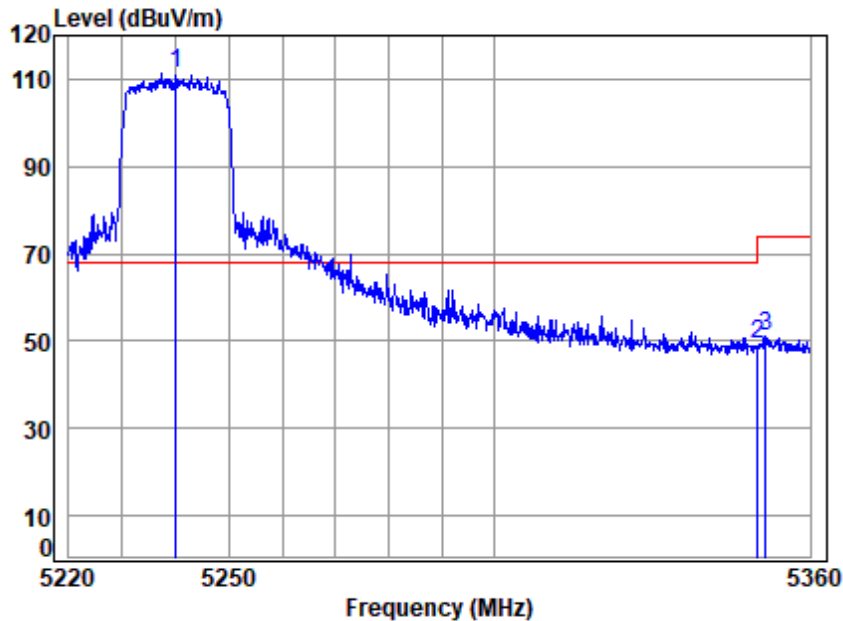
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Test Mode: 01; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:High



Site : chamber
Condition: 3m HORIZONTAL
Job No : 00304AT
Mode : 5240 Band edge
Note : 5G WIFI 11AX20

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5240.0000	8.29	31.99	31.94	102.96	111.30	68.20	43.10 peak
2	5350.0200	8.28	32.25	32.10	40.86	49.29	74.00	-24.71 peak
3	5351.4950	8.28	32.26	32.10	42.55	50.99	74.00	-23.01 peak



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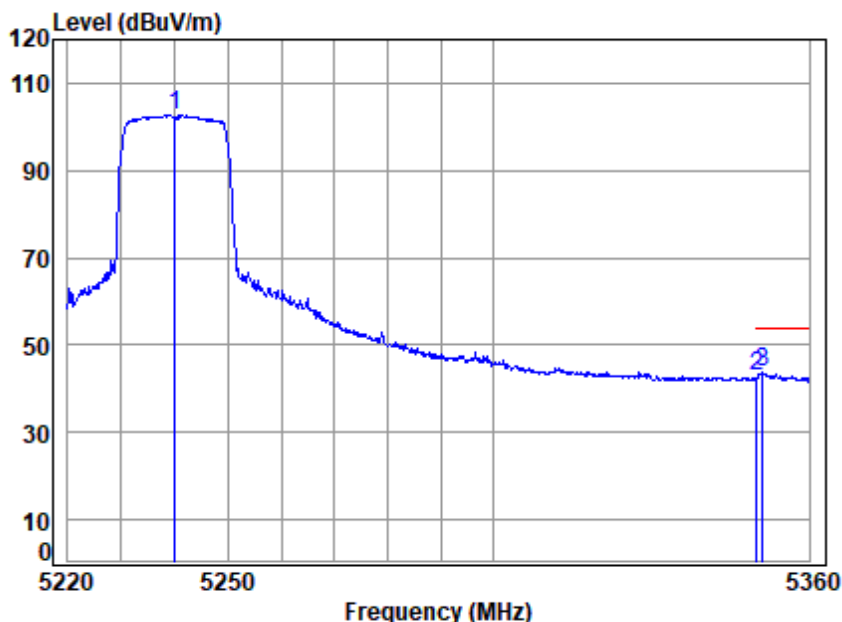
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Test Mode: 01; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:High



Site : chamber
Condition: 3m HORIZONTAL
Job No : 00304AT
Mode : 5240 Band edge
Note : 5G WIFI 11AX20

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5240.0000	8.29	31.99	31.94	94.40	102.74	-----	----- Average
2	5350.0200	8.28	32.25	32.10	34.24	42.67	54.00	-11.33 Average
3	5351.2120	8.28	32.25	32.10	35.18	43.61	54.00	-10.39 Average



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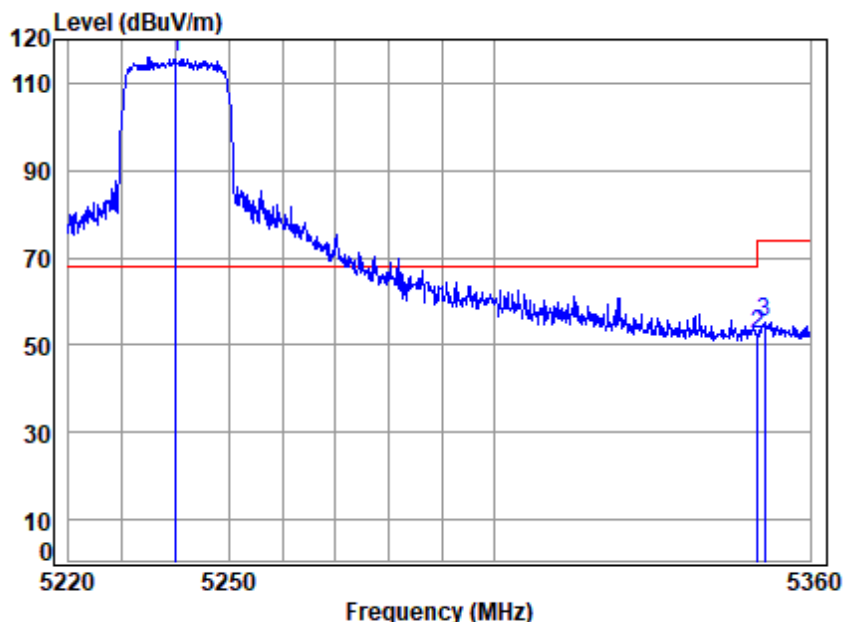
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Test Mode: 01; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:High



Site : chamber
Condition: 3m VERTICAL
Job No : 00304AT
Mode : 5240 Band edge
Note : 5G WIFI 11AX20

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5240.0000	8.29	31.99	31.94	107.49	115.83	68.20	47.63 Peak
2	5350.0200	8.28	32.25	32.10	44.23	52.66	74.00	-21.34 Peak
3	5351.3540	8.28	32.26	32.10	46.99	55.43	74.00	-18.57 Peak



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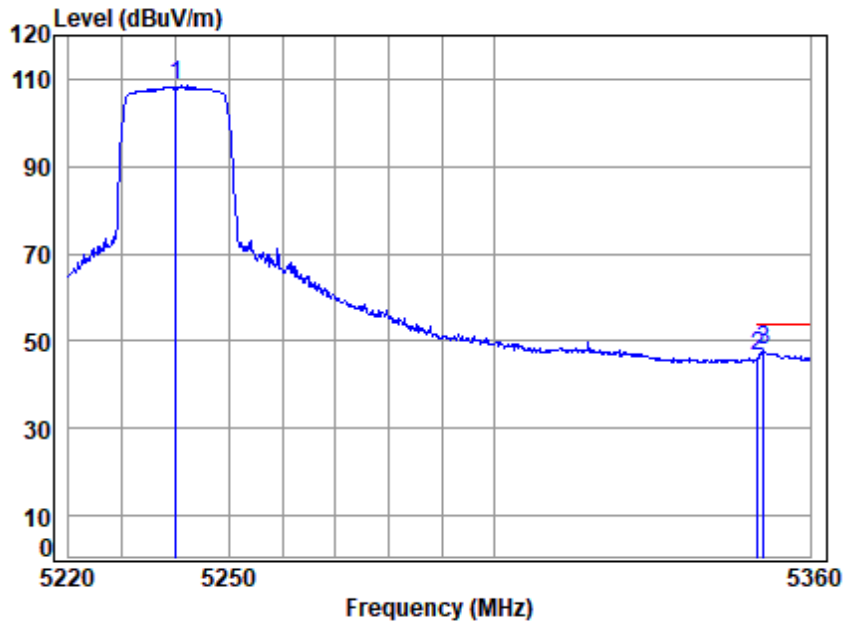
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Test Mode: 01; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:High



Site : chamber
Condition: 3m VERTICAL
Job No : 00304AT
Mode : 5240 Band edge
Note : 5G WIFI 11AX20

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5240.0000	8.29	31.99	31.94	100.29	108.63	-----	----- Average
2	5350.0200	8.28	32.25	32.10	38.06	46.49	54.00	-7.51 Average
3	5351.0700	8.28	32.25	32.10	39.32	47.75	54.00	-6.25 Average



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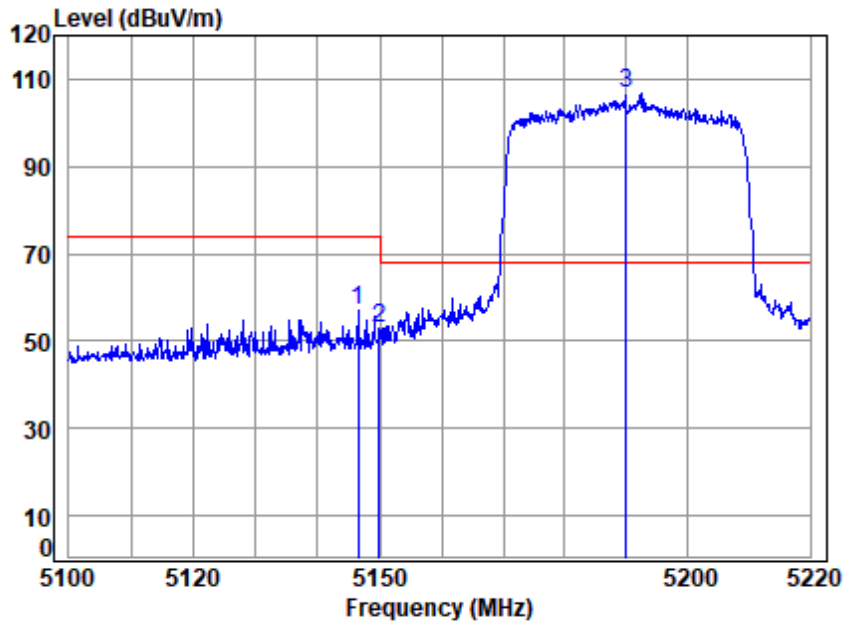
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Test Mode: 01; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 00304AT
Mode : 5190 Band edge
Note : 5G WIFI 11AX40

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Line	Limit	Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5146.5880	8.29	31.76	31.81	48.63	56.87	74.00	-17.13 peak
2	5149.9800	8.29	31.77	31.82	44.55	52.79	74.00	-21.21 peak
3	5190.0000	8.29	31.87	31.87	98.29	106.58	68.20	38.38 peak



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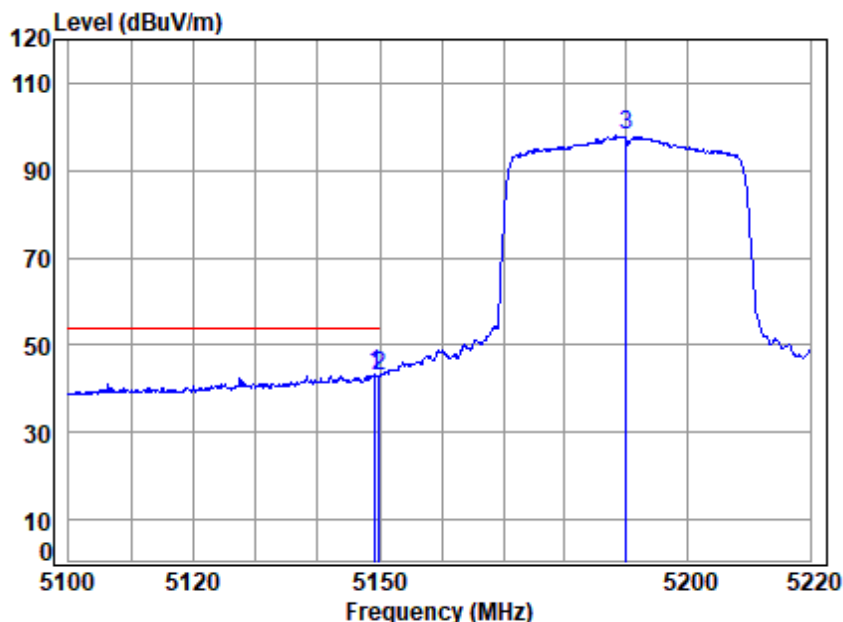
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Test Mode: 01; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 00304AT
Mode : 5190 Band edge
Note : 5G WIFI 11AX40

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5149.3420	8.29	31.77	31.82	35.02	43.26	54.00	-10.74 Average
2	5149.9800	8.29	31.77	31.82	34.77	43.01	54.00	-10.99 Average
3	5190.0000	8.29	31.87	31.87	89.59	97.88	-----	----- Average



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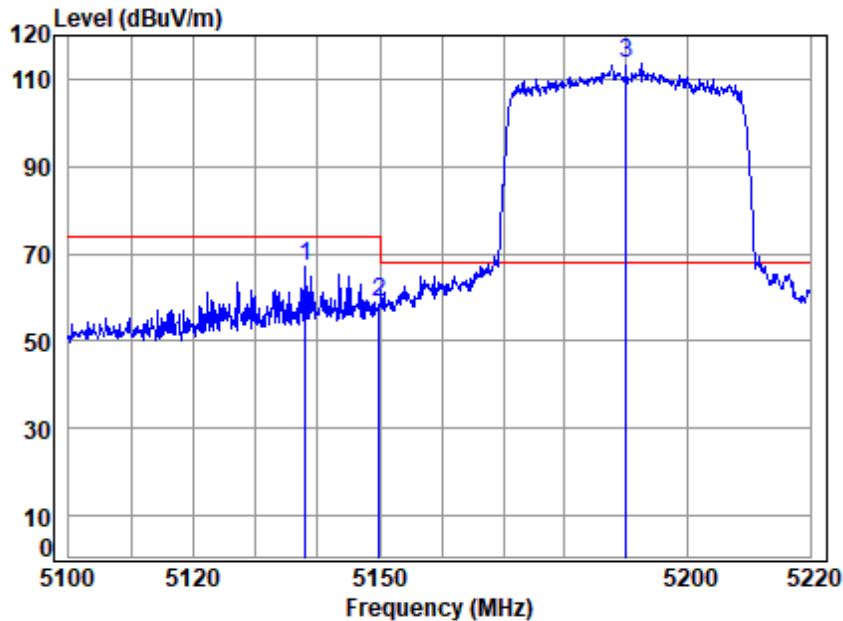
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Test Mode: 01; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:Low



Site : chamber
Condition: 3m VERTICAL
Job No : 00304AT
Mode : 5190 Band edge
Note : 5G WIFI 11AX40

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5137.9770	8.29	31.74	31.80	58.64	66.87	74.00	-7.13	Peak
2	5149.9800	8.29	31.77	31.82	50.61	58.85	74.00	-15.15	Peak
3	5190.0000	8.29	31.87	31.87	105.13	113.42	68.20	45.22	Peak



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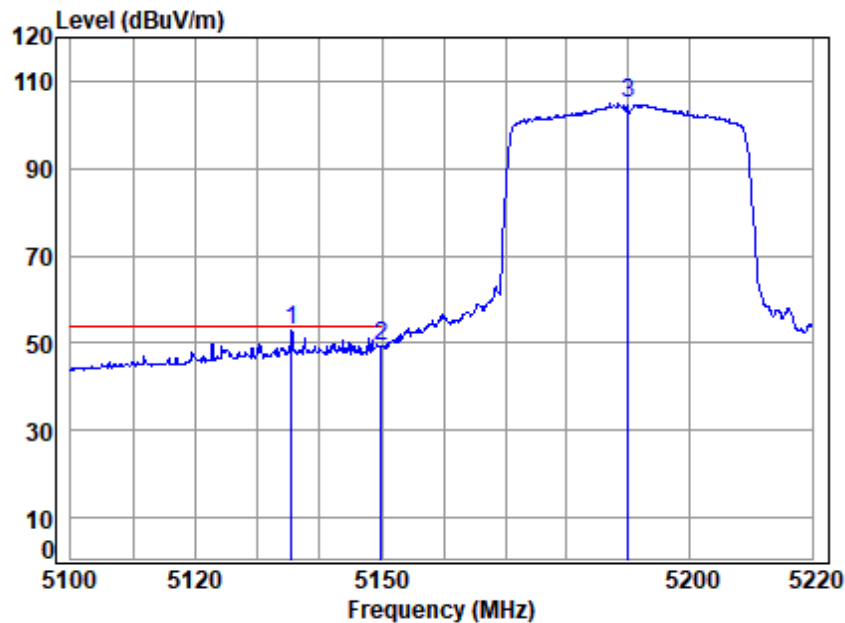
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Test Mode: 01; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:Low



Site : chamber
Condition: 3m VERTICAL
Job No : 00304AT
Mode : 5190 Band edge
Note : 5G WIFI 11AX40

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5135.4690	8.29	31.74	31.80	44.77	53.00	54.00	-1.00 Average
2	5149.9800	8.29	31.77	31.82	41.23	49.47	54.00	-4.53 Average
3	5190.0000	8.29	31.87	31.87	96.47	104.76	-----	----- Average



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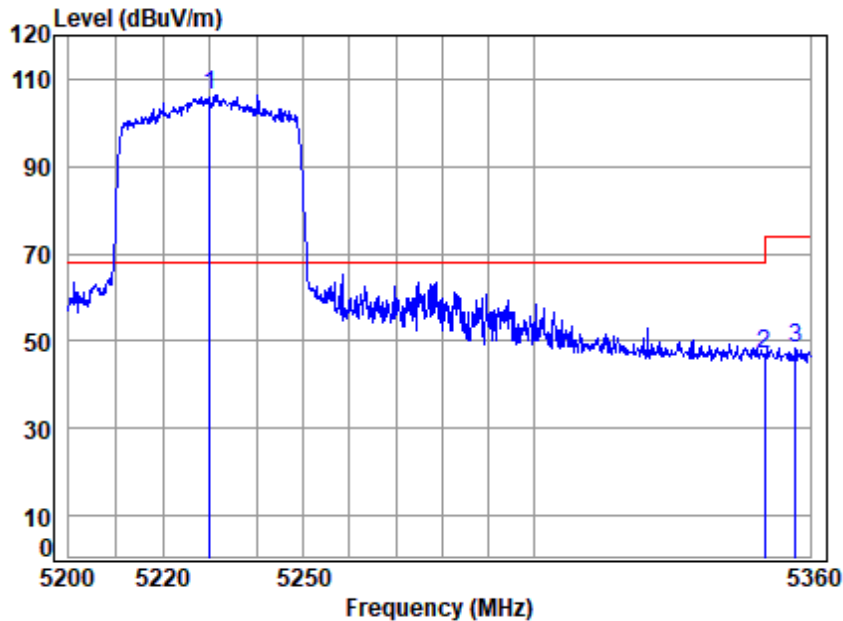
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Test Mode: 01; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:High



Site : chamber
Condition: 3m HORIZONTAL
Job No : 00304AT
Mode : 5230 Band edge
Note : 5G WIFI 11AX40

		Cable	Ant	Preamp	Read		Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5230.0000	8.29	31.97	31.93	98.14	106.47	68.20	38.27	peak
2	5350.0200	8.28	32.25	32.10	38.57	47.00	74.00	-27.00	peak
3	5356.7520	8.28	32.27	32.11	40.10	48.54	74.00	-25.46	peak



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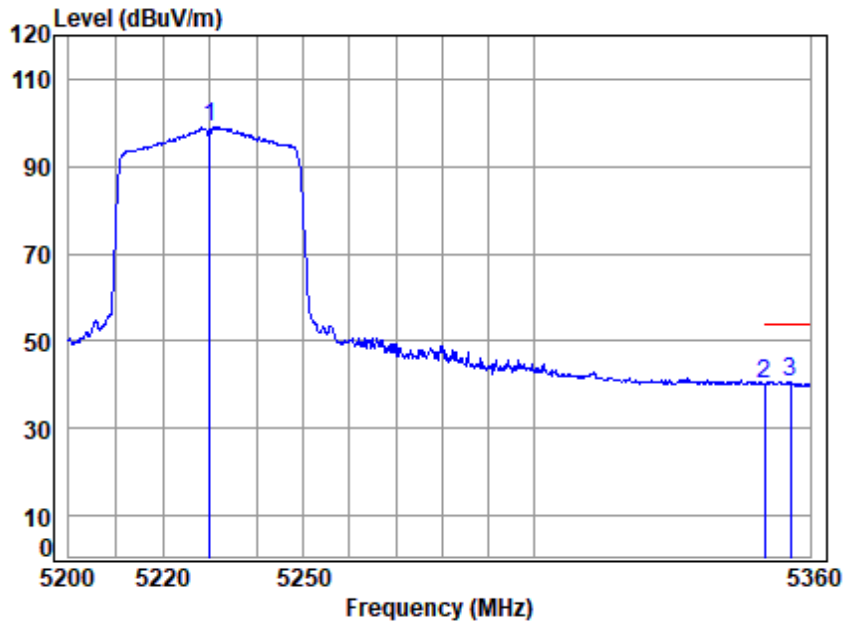
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Test Mode: 01; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:High



Site : chamber
Condition: 3m HORIZONTAL
Job No : 00304AT
Mode : 5230 Band edge
Note : 5G WIFI 11AX40

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5230.0000	8.29	31.97	31.93	90.70	99.03	-----	----- Average
2	5350.0200	8.28	32.25	32.10	31.93	40.36	54.00	-13.64 Average
3	5355.7780	8.28	32.27	32.10	32.14	40.59	54.00	-13.41 Average



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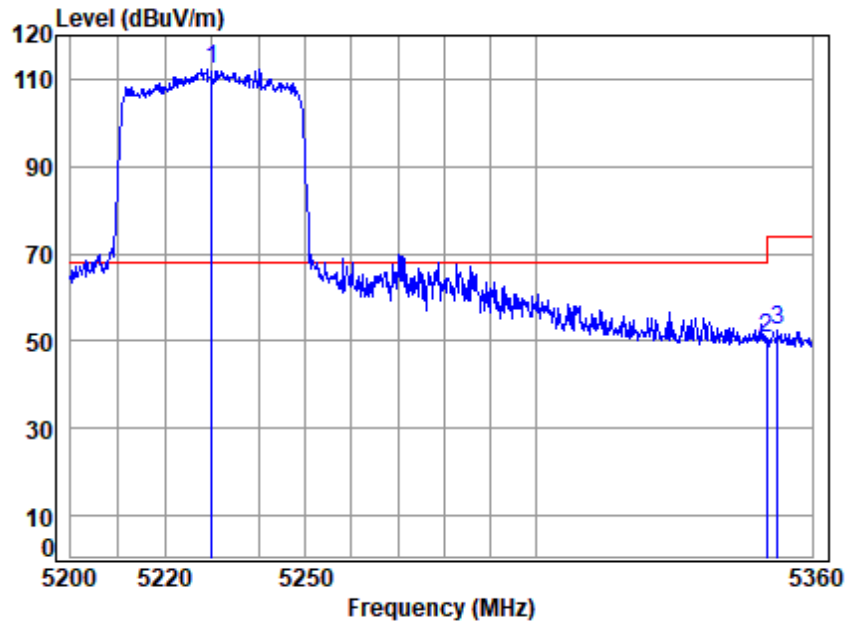
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Test Mode: 01; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:High



Site : chamber
Condition: 3m VERTICAL
Job No : 00304AT
Mode : 5230 Band edge
Note : 5G WIFI 11AX40

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5230.0000	8.29	31.97	31.93	104.01	112.34	68.20	44.14 Peak
2	5350.0200	8.28	32.25	32.10	42.11	50.54	74.00	-23.46 Peak
3	5352.3710	8.28	32.26	32.10	43.86	52.30	74.00	-21.70 Peak



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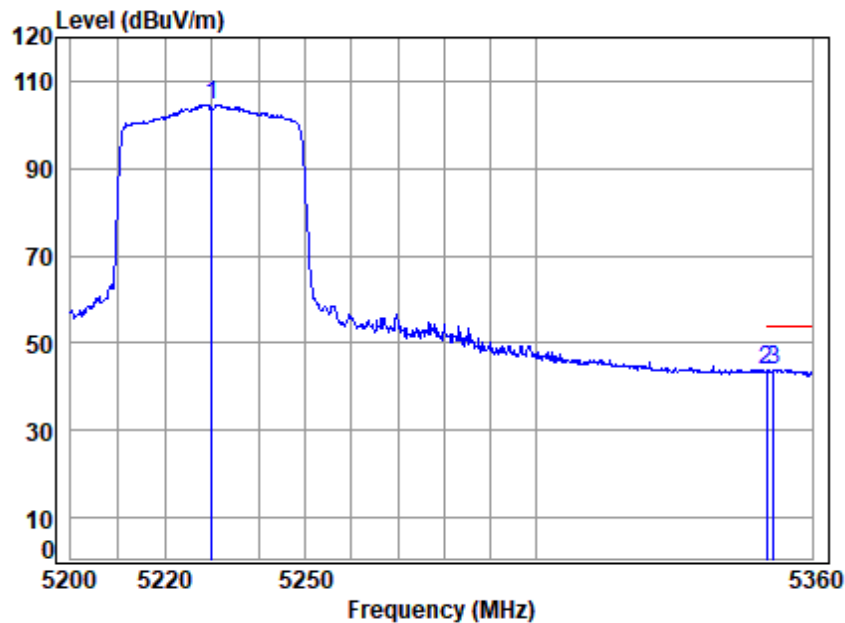
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Test Mode: 01; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:High



Site : chamber
Condition: 3m VERTICAL
Job No : 00304AT
Mode : 5230 Band edge
Note : 5G WIFI 11AX40

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5230.0000	8.29	31.97	31.93	96.35	104.68	-----	----- Average
2	5350.0200	8.28	32.25	32.10	35.19	43.62	54.00	-10.38 Average
3	5351.5600	8.28	32.26	32.10	35.50	43.94	54.00	-10.06 Average



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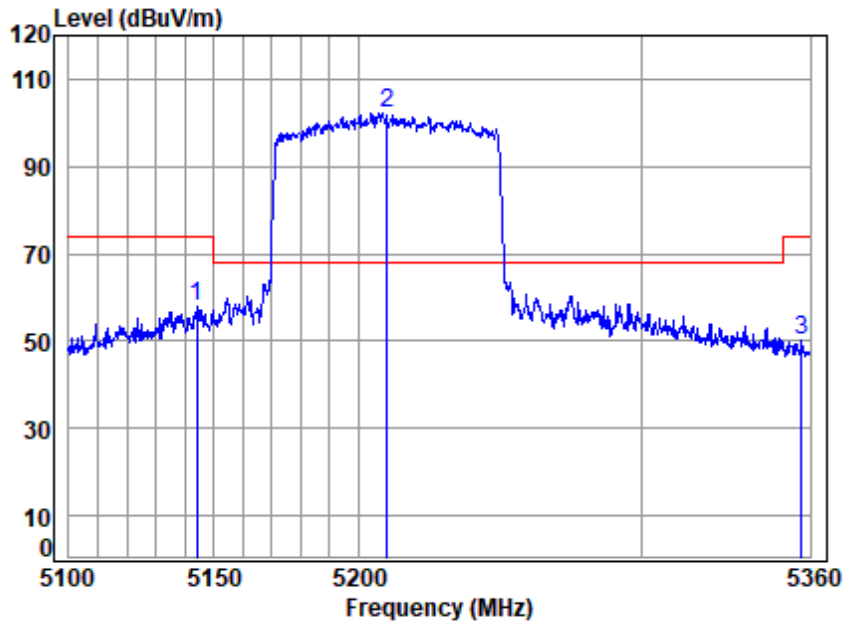
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Test Mode: 01; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:80MHz; Channel:middle



Site : chamber
Condition: 3m HORIZONTAL
Job No : 00304AT
Mode : 5210 Band edge
Note : 5G WIFI 11AX80

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5144.0600	8.29	31.76	31.81	49.72	57.96	74.00	-16.04 peak
2	5210.0000	8.29	31.92	31.90	94.11	102.42	68.20	34.22 peak
3	5357.0690	8.28	32.27	32.11	41.63	50.07	74.00	-23.93 peak



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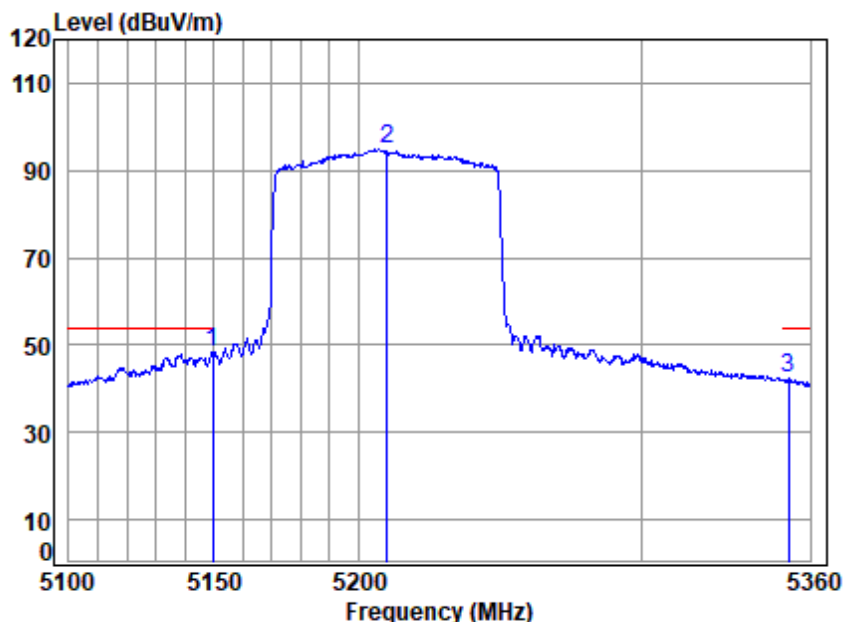
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Test Mode: 01; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:80MHz; Channel:middle



Site : chamber
Condition: 3m HORIZONTAL
Job No : 00304AT
Mode : 5210 Band edge
Note : 5G WIFI 11AX80

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5149.4350	8.29	31.77	31.82	40.19	48.43	54.00	-5.57 Average
2	5210.0000	8.29	31.92	31.90	86.78	95.09	-----	----- Average
3	5352.2760	8.28	32.26	32.10	33.87	42.31	54.00	-11.69 Average



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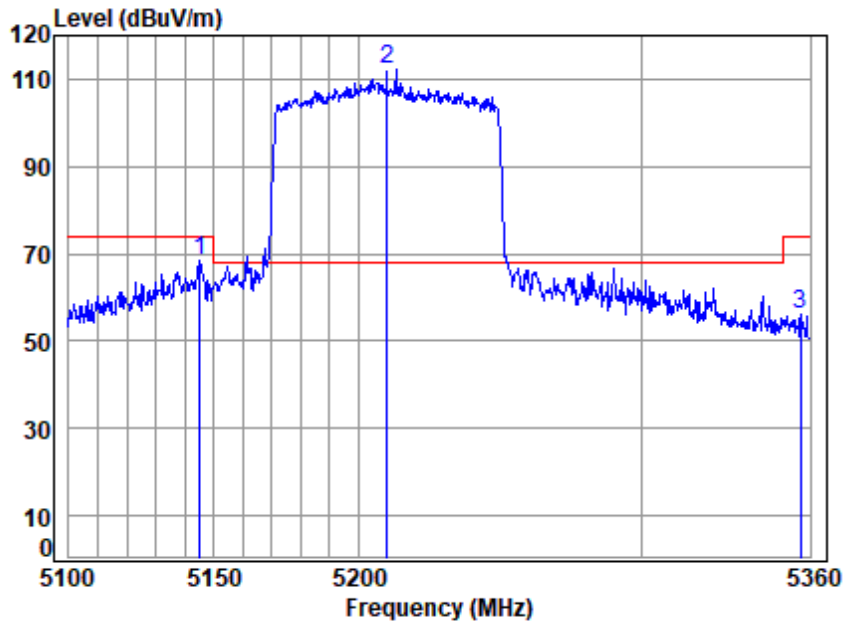
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Test Mode: 01; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:80MHz; Channel:middle



Site : chamber
Condition: 3m VERTICAL
Job No : 00304AT
Mode : 5210 Band edge
Note : 5G WIFI 11AX80

		Cable	Ant	Preamp	Read		Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5145.0830	8.29	31.76	31.81	59.98	68.22	74.00	-5.78	Peak
2	5210.0000	8.29	31.92	31.90	103.98	112.29	68.20	44.09	Peak
3	5356.5370	8.28	32.27	32.11	47.69	56.13	74.00	-17.87	Peak



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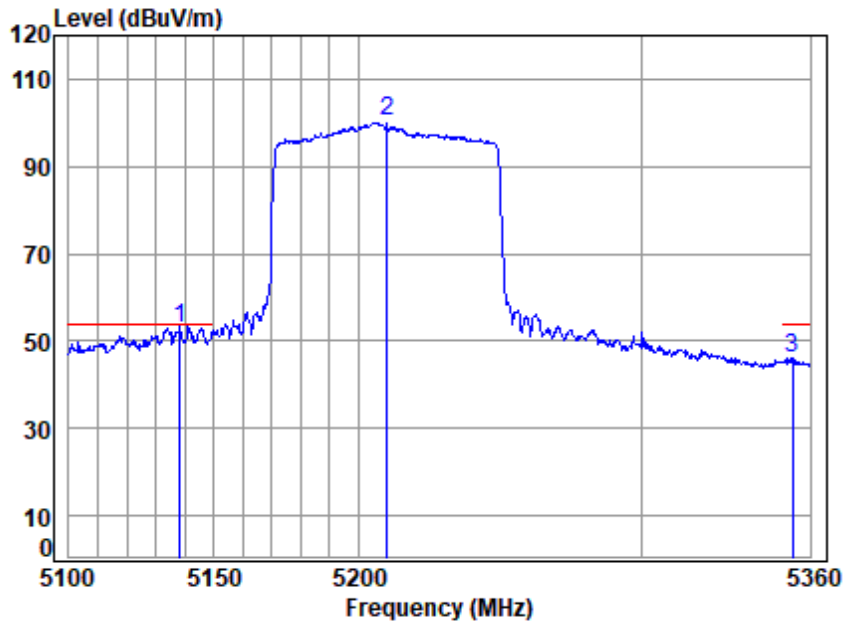
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Test Mode: 01; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:80MHz; Channel:middle



Site : chamber
Condition: 3m VERTICAL
Job No : 00304AT
Mode : 5210 Band edge
Note : 5G WIFI 11AX80

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5138.1810	8.29	31.74	31.80	44.87	53.10	54.00	-0.90 Average
2	5210.0000	8.29	31.92	31.90	92.01	100.32	-----	----- Average
3	5353.8740	8.28	32.26	32.10	37.72	46.16	54.00	-7.84 Average



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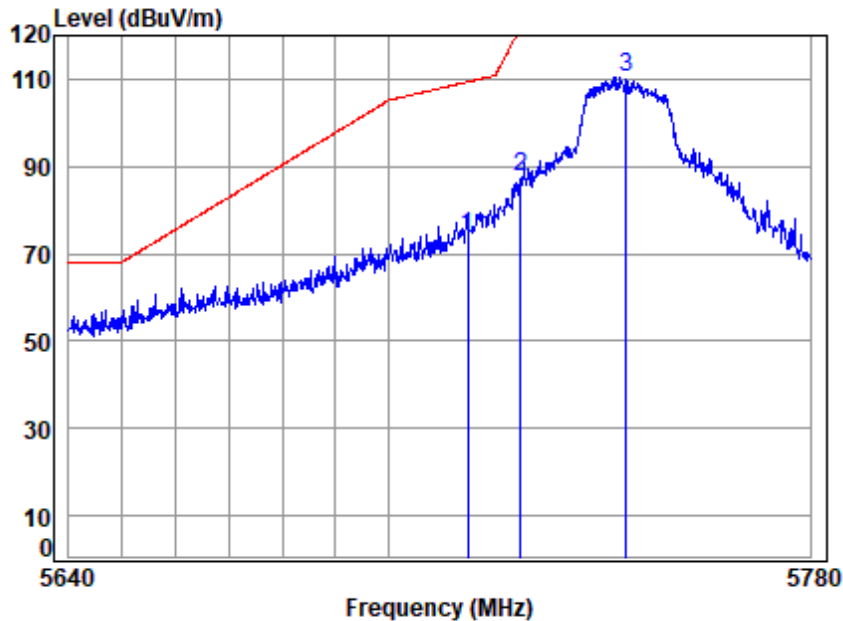
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Test Mode: 02; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 00304AT
Mode : 5745 Band edge
Note : 5G WIFI 11A

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5715.0000	7.99	32.51	32.21	65.64	73.93	109.40	-35.47 peak
2	5725.0000	7.98	32.51	32.21	79.23	87.51	122.20	-34.69 peak
3	5745.0000	7.95	32.50	32.20	102.27	110.52	-----	----- peak



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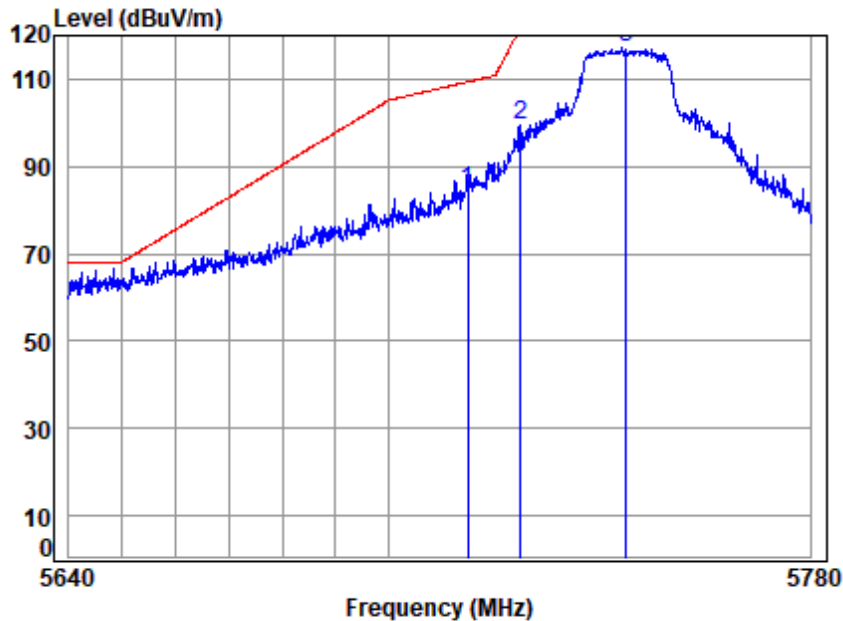
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Test Mode: 02; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Site : chamber
Condition: 3m VERTICAL
Job No : 00304AT
Mode : 5745 Band edge
Note : 5G WIFI 11A

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5715.0000	7.99	32.51	32.21	76.08	84.37	109.40	-25.03 peak
2	5725.0000	7.98	32.51	32.21	91.23	99.51	122.20	-22.69 peak
3	5745.0000	7.95	32.50	32.20	108.84	117.09	-----	----- peak



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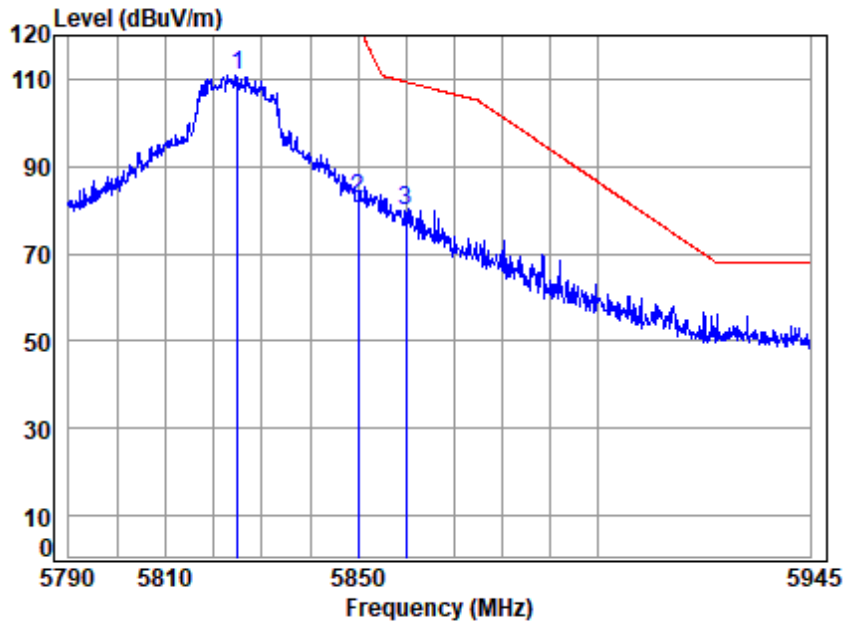
Compliance Certification Services (Kunshan) Inc. Shenzhen Branch

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



Site : chamber
Condition: 3m HORIZONTAL
Job No : 00304AT
Mode : 5825 Band edge
Note : 5G WIFI 11A

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5825.0000	7.85	32.47	32.17	102.91	111.06	-----	----- peak
2	5850.0000	7.82	32.46	32.16	74.38	82.50	122.20	-39.70 peak
3	5860.0000	7.81	32.45	32.15	71.55	79.66	109.40	-29.74 peak



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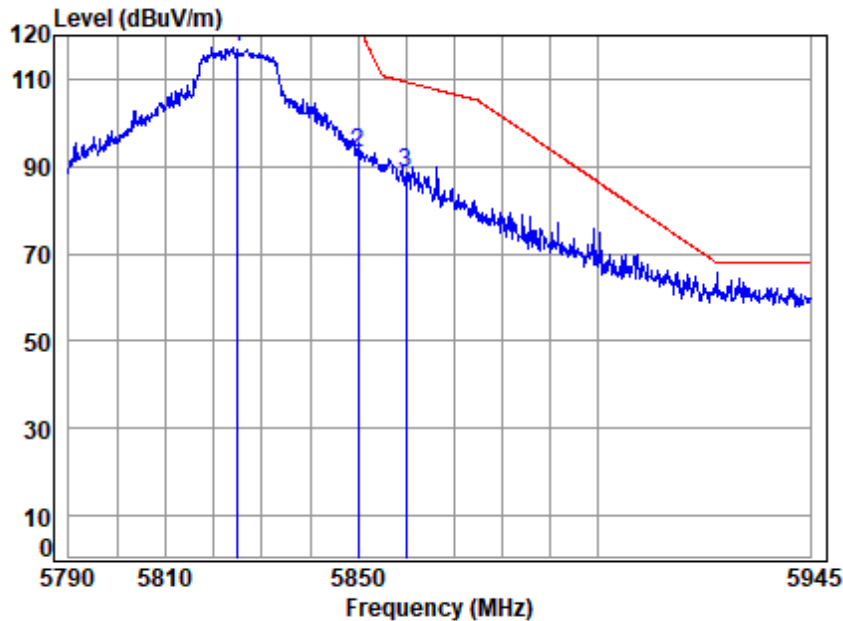
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Test Mode: 02; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Site : chamber
Condition: 3m VERTICAL
Job No : 00304AT
Mode : 5825 Band edge
Note : 5G WIFI 11A

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5825.0000	7.85	32.47	32.17	109.22	117.37	-----	----- peak
2	5850.0000	7.82	32.46	32.16	85.14	93.26	122.20	-28.94 peak
3	5860.0000	7.81	32.45	32.15	80.28	88.39	109.40	-21.01 peak



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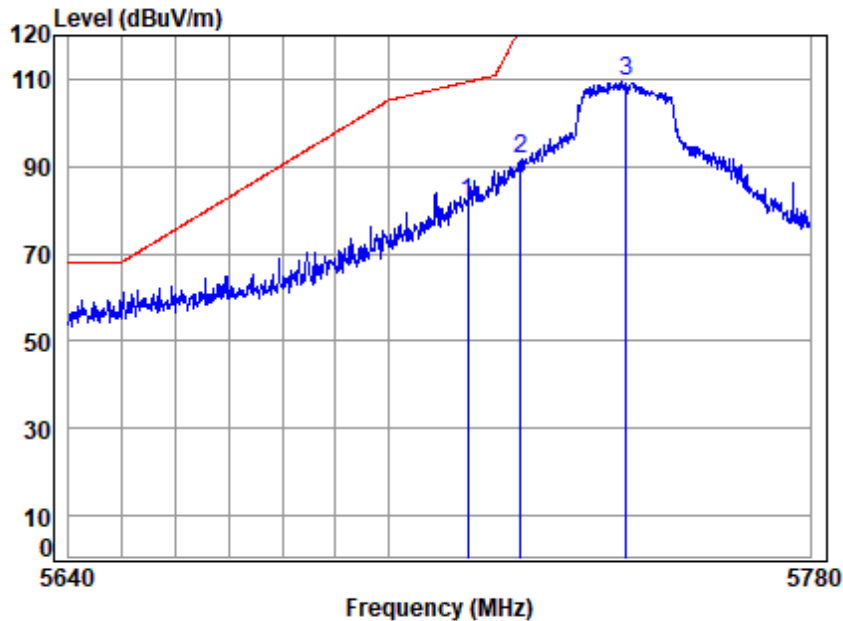
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Test Mode: 02; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 00304AT
Mode : 5745 Band edge
Note : 5G WIFI 11N20

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5715.0000	7.99	32.51	32.21	73.41	81.70	109.40	-27.70 peak
2	5725.0000	7.98	32.51	32.21	83.26	91.54	122.20	-30.66 peak
3	5745.0000	7.95	32.50	32.20	101.09	109.34	-----	----- peak



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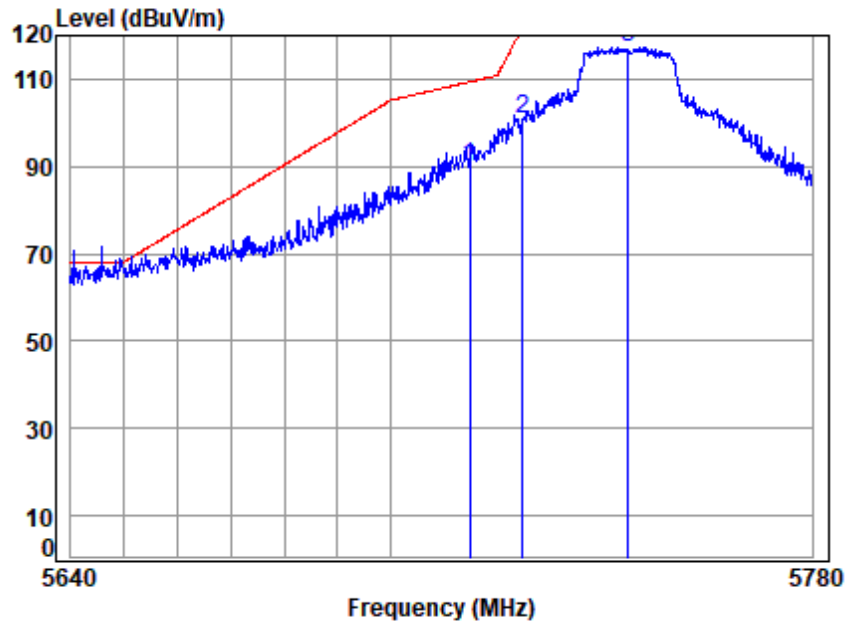
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Test Mode: 02; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



Site : chamber
Condition: 3m VERTICAL
Job No : 00304AT
Mode : 5745 Band edge
Note : 5G WIFI 11N20

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5715.0000	7.99	32.51	32.21	81.77	90.06	109.40	-19.34 peak
2	5725.0000	7.98	32.51	32.21	92.69	100.97	122.20	-21.23 peak
3	5745.0000	7.95	32.50	32.20	109.17	117.42	-----	----- peak



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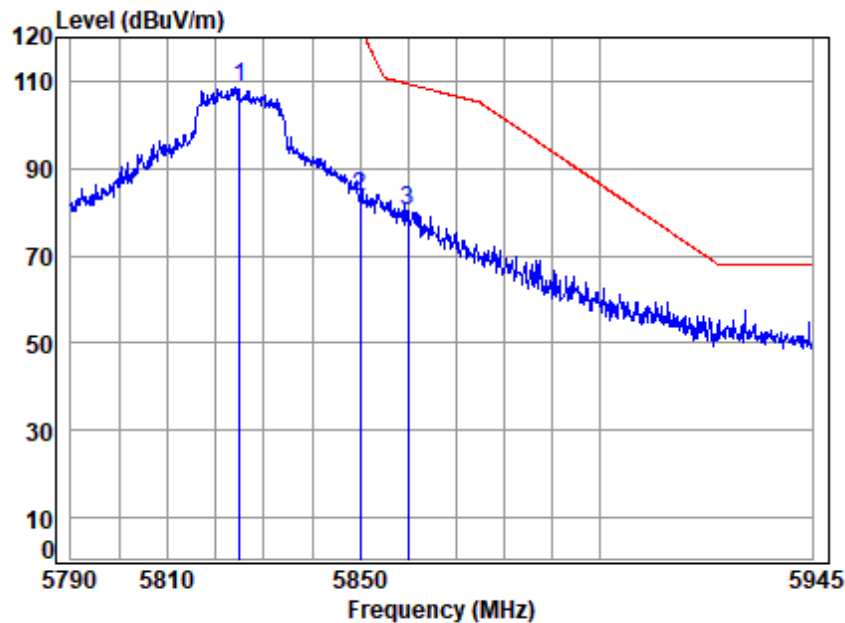
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Test Mode: 02; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:High



Site : chamber
Condition: 3m HORIZONTAL
Job No : 00304AT
Mode : 5825 Band edge
Note : 5G WIFI 11N20

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5825.0000	7.85	32.47	32.17	100.37	108.52	-----	----- peak
2	5850.0000	7.82	32.46	32.16	75.40	83.52	122.20	-38.68 peak
3	5860.0000	7.81	32.45	32.15	72.05	80.16	109.40	-29.24 peak



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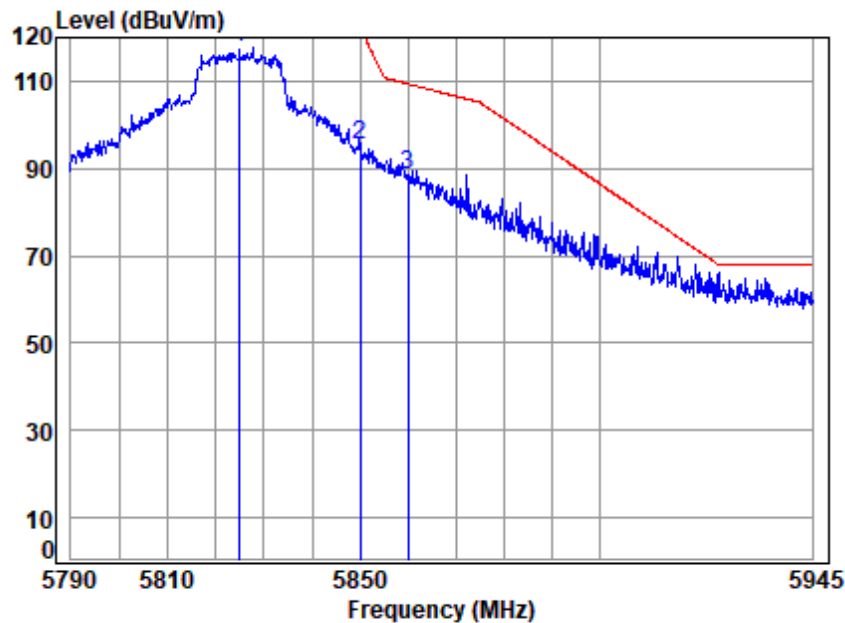
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Test Mode: 02; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:High



Site : chamber
Condition: 3m VERTICAL
Job No : 00304AT
Mode : 5825 Band edge
Note : 5G WIFI 11N20

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5825.0000	7.85	32.47	32.17	109.68	117.83	-----	----- peak
2	5850.0000	7.82	32.46	32.16	87.08	95.20	122.20	-27.00 peak
3	5860.0000	7.81	32.45	32.15	80.55	88.66	109.40	-20.74 peak



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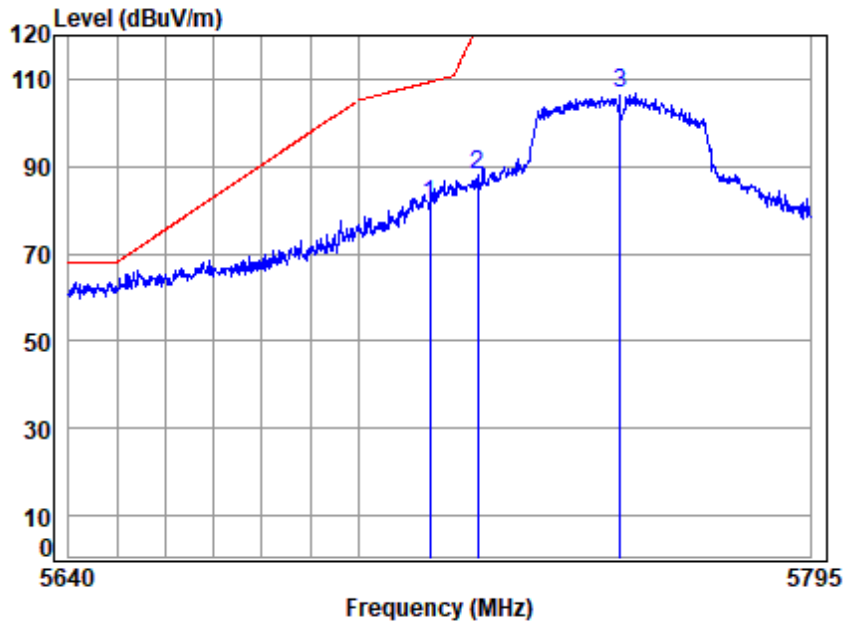
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Test Mode: 02; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 00304AT
Mode : 5755 Band edge
Note : 5G WIFI 11N40

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5715.0000	7.99	32.51	32.21	72.82	81.11	109.40	-28.29 peak
2	5725.0000	7.98	32.51	32.21	79.65	87.93	122.20	-34.27 peak
3	5755.0000	7.94	32.50	32.20	98.30	106.54	-----	----- peak



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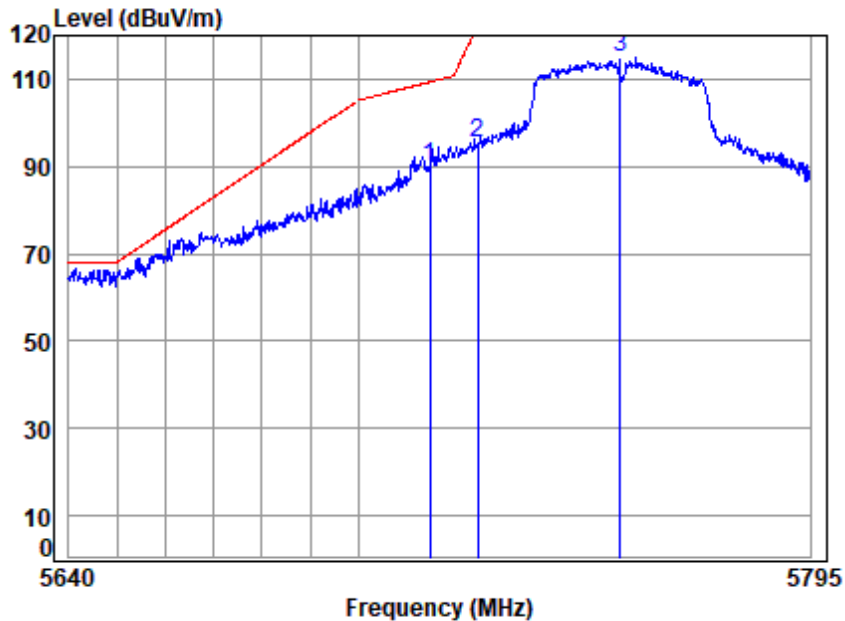
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Test Mode: 02; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



Site : chamber
Condition: 3m VERTICAL
Job No : 00304AT
Mode : 5755 Band edge
Note : 5G WIFI 11N40

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5715.0000	7.99	32.51	32.21	81.43	89.72	109.40	-19.68 peak
2	5725.0000	7.98	32.51	32.21	86.99	95.27	122.20	-26.93 peak
3	5755.0000	7.94	32.50	32.20	106.51	114.75	-----	----- peak



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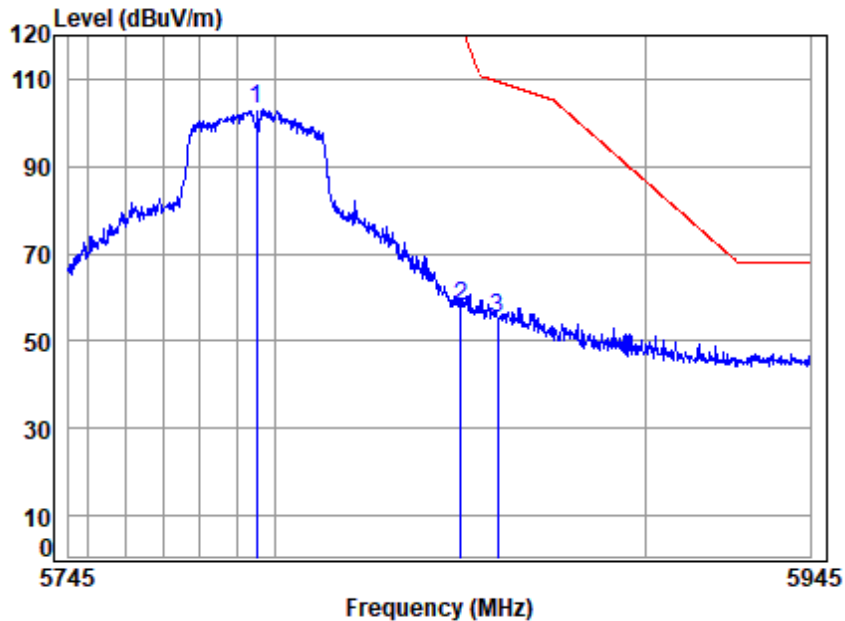
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Test Mode: 02; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:High



Site : chamber
Condition: 3m HORIZONTAL
Job No : 00304AT
Mode : 5795 Band edge
Note : 5G WIFI 11N40

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5795.0000	7.89	32.48	32.18	94.76	102.95	-----	----- peak
2	5850.0000	7.82	32.46	32.16	49.60	57.72	122.20	-64.48 peak
3	5860.0000	7.81	32.45	32.15	46.90	55.01	109.40	-54.39 peak



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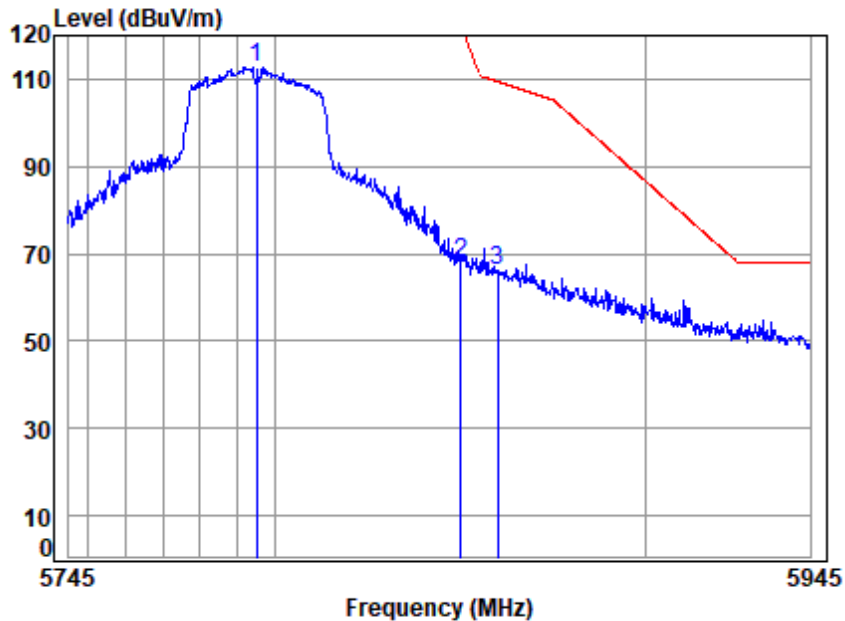
Compliance Certification Services (Kunshan) Inc. Shenzhen Branch

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



Site : chamber
Condition: 3m VERTICAL
Job No : 00304AT
Mode : 5795 Band edge
Note : 5G WIFI 11N40

		Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 5795.0000	7.89	32.48	32.18	104.52	112.71	-----	-----	peak
2 5850.0000	7.82	32.46	32.16	59.84	67.96	122.20	-54.24	peak
3 5860.0000	7.81	32.45	32.15	57.88	65.99	109.40	-43.41	peak



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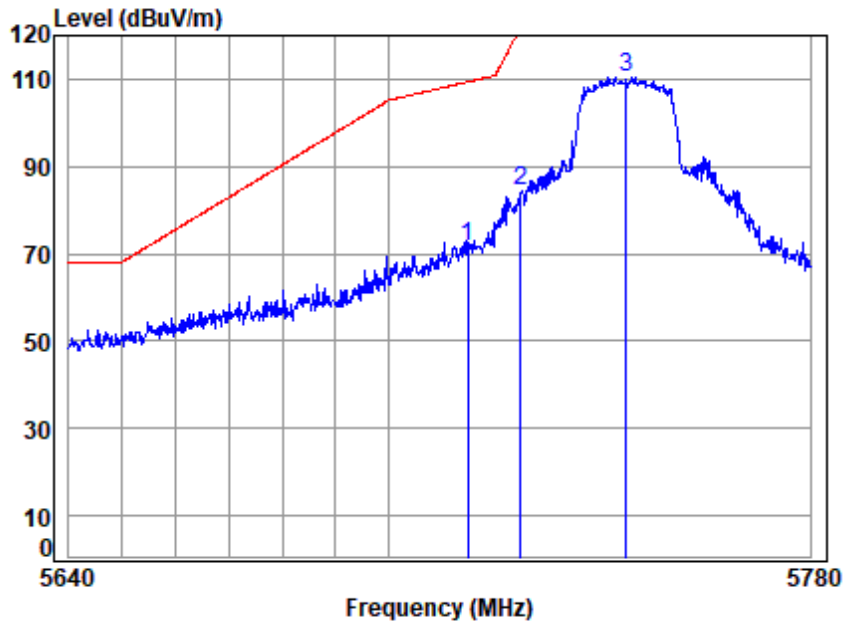
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Test Mode: 02; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:20MHz; Channel:Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 00304AT
Mode : 5745 Band edge
Note : 5G WIFI 11AC20

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5715.0000	7.99	32.51	32.21	63.28	71.57	109.40	-37.83 peak
2	5725.0000	7.98	32.51	32.21	76.16	84.44	122.20	-37.76 peak
3	5745.0000	7.95	32.50	32.20	102.35	110.60	-----	----- peak



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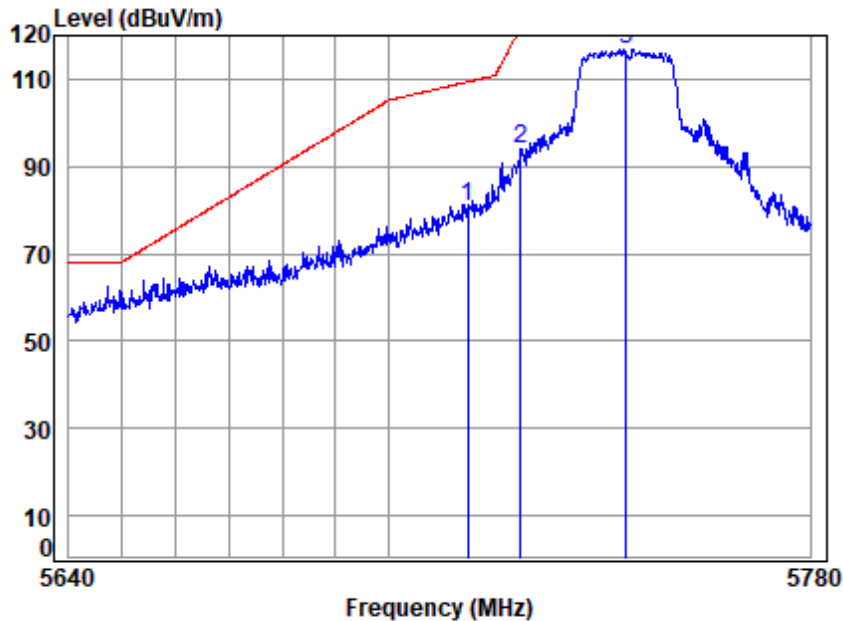
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Test Mode: 02; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:Low



Site : chamber
Condition: 3m VERTICAL
Job No : 00304AT
Mode : 5745 Band edge
Note : 5G WIFI 11AC20

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5715.0000	7.99	32.51	32.21	72.56	80.85	109.40	-28.55 peak
2	5725.0000	7.98	32.51	32.21	85.78	94.06	122.20	-28.14 peak
3	5745.0000	7.95	32.50	32.20	108.56	116.81	-----	----- peak



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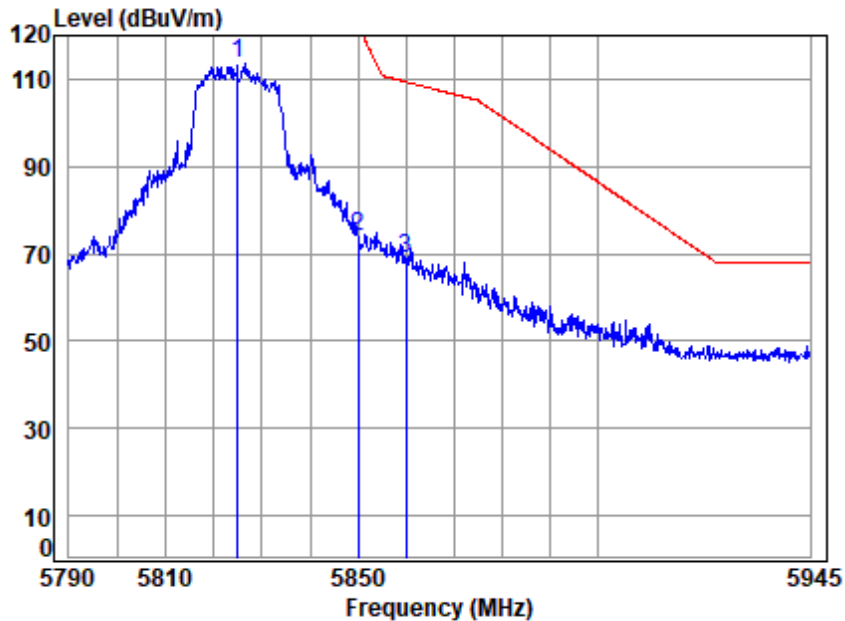
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Test Mode: 02; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:20MHz; Channel:High



Site : chamber
Condition: 3m HORIZONTAL
Job No : 00304AT
Mode : 5825 Band edge
Note : 5G WIFI 11AC20

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5825.0000	7.85	32.47	32.17	105.43	113.58	-----	----- peak
2	5850.0000	7.82	32.46	32.16	65.99	74.11	122.20	-48.09 peak
3	5860.0000	7.81	32.45	32.15	60.97	69.08	109.40	-40.32 peak



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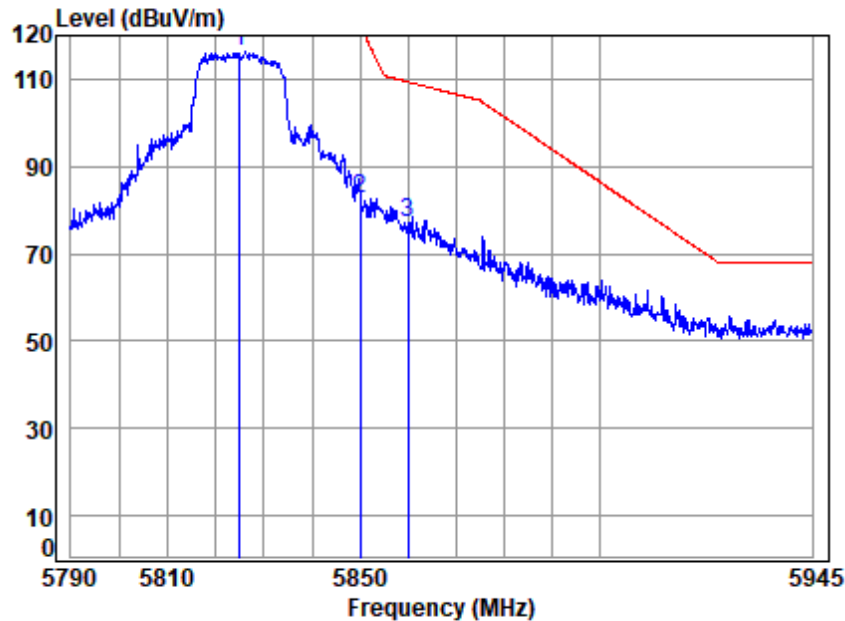
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Test Mode: 02; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:High



Site : chamber
Condition: 3m VERTICAL
Job No : 00304AT
Mode : 5825 Band edge
Note : 5G WIFI 11AC20

		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5825.0000	7.85	32.47	32.17	108.42	116.57	-----	----- peak
2	5850.0000	7.82	32.46	32.16	74.35	82.47	122.20	-39.73 peak
3	5860.0000	7.81	32.45	32.15	69.10	77.21	109.40	-32.19 peak



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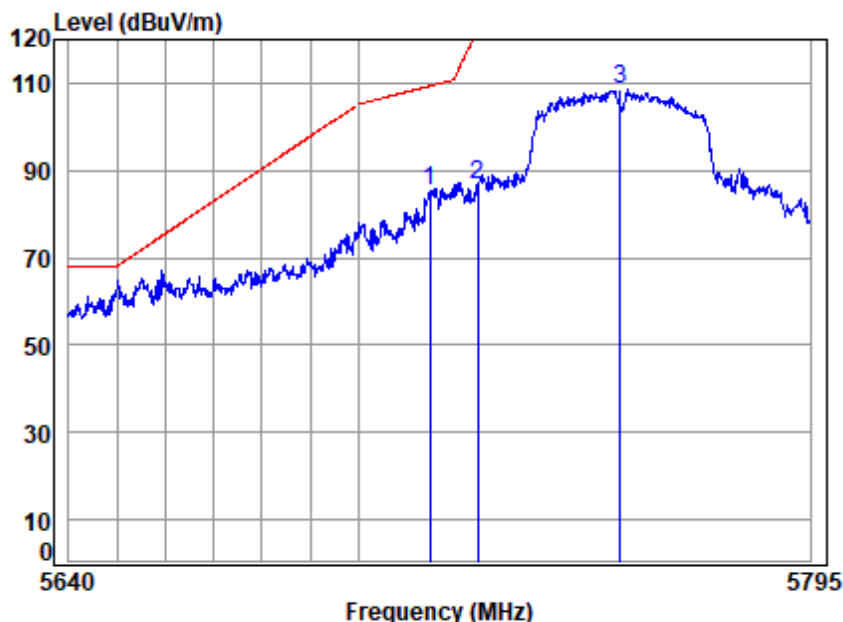
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Test Mode: 02; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:40MHz; Channel:Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 00304AT
Mode : 5755 Band edge
Note : 5G WIFI 11AC40

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5715.0000	7.99	32.51	32.21	76.87	85.16	109.40	-24.24 peak
2	5725.0000	7.98	32.51	32.21	78.36	86.64	122.20	-35.56 peak
3	5755.0000	7.94	32.50	32.20	100.20	108.44	-----	----- peak



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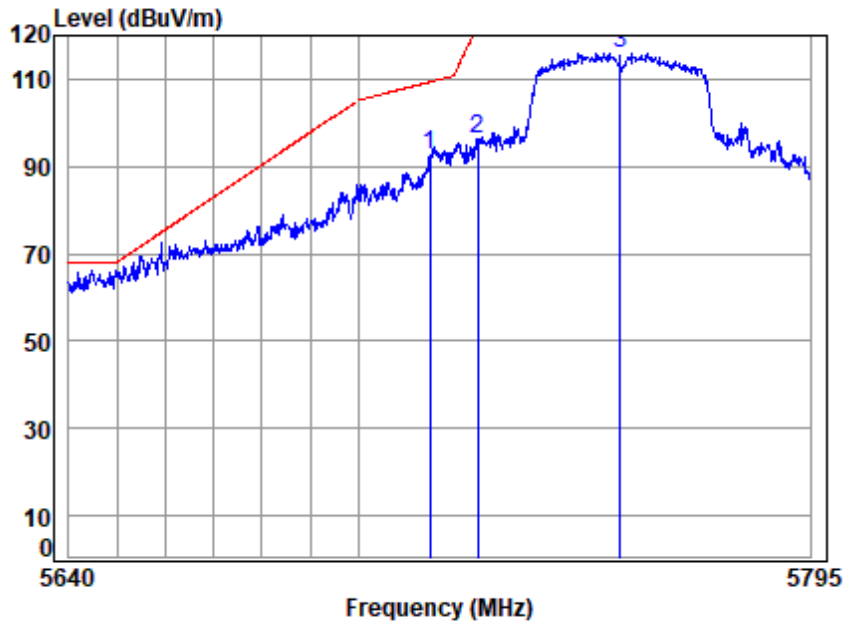
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Test Mode: 02; Polarity: Vertical; Modulation:802.11ac; Bandwidth:40MHz; Channel:Low



Site : chamber
Condition: 3m VERTICAL
Job No : 00304AT
Mode : 5755 Band edge
Note : 5G WIFI 11AC40

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5715.0000	7.99	32.51	32.21	84.39	92.68	109.40	-16.72 peak
2	5725.0000	7.98	32.51	32.21	87.96	96.24	122.20	-25.96 peak
3	5755.0000	7.94	32.50	32.20	107.66	115.90	-----	----- peak



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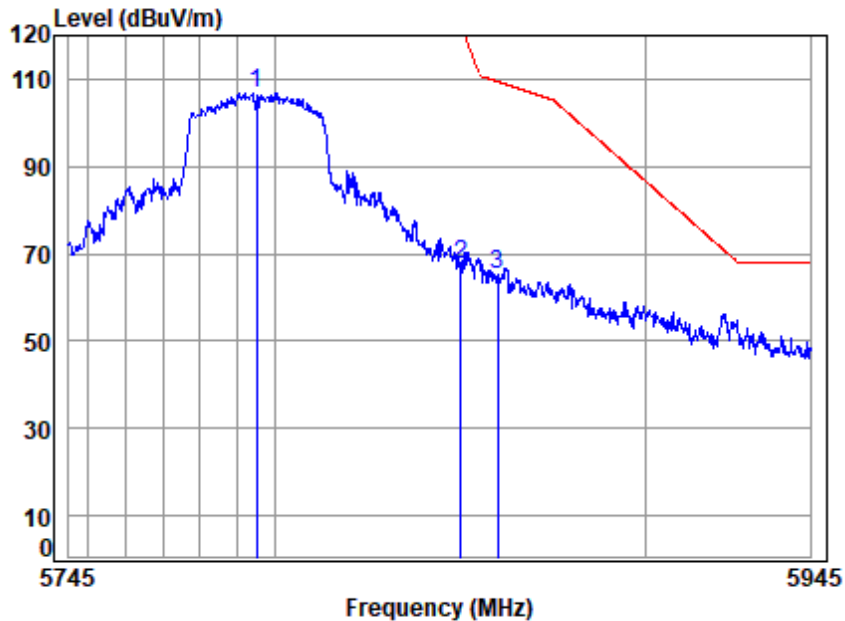
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Test Mode: 02; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:40MHz; Channel:High



Site : chamber
Condition: 3m HORIZONTAL
Job No : 00304AT
Mode : 5795 Band edge
Note : 5G WIFI 11AC40

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5795.0000	7.89	32.48	32.18	98.69	106.88	-----	----- peak
2	5850.0000	7.82	32.46	32.16	59.26	67.38	122.20	-54.82 peak
3	5860.0000	7.81	32.45	32.15	57.27	65.38	109.40	-44.02 peak



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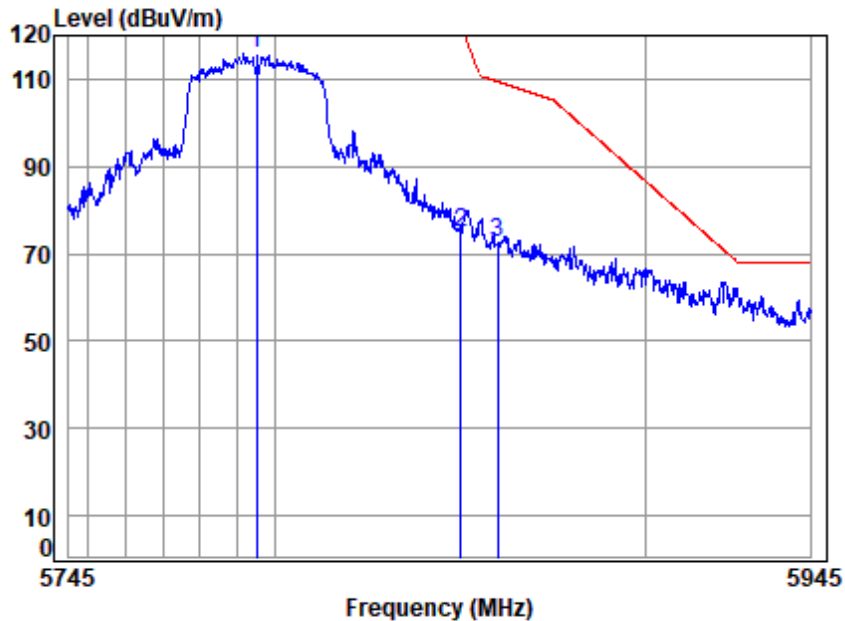
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Test Mode: 02; Polarity: Vertical; Modulation:802.11ac; Bandwidth:40MHz; Channel:High



Site : chamber
Condition: 3m VERTICAL
Job No : 00304AT
Mode : 5795 Band edge
Note : 5G WIFI 11AC40

		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5795.0000	7.89	32.48	32.18	107.61	115.80	-----	----- peak
2	5850.0000	7.82	32.46	32.16	66.75	74.87	122.20	-47.33 peak
3	5860.0000	7.81	32.45	32.15	64.48	72.59	109.40	-36.81 peak



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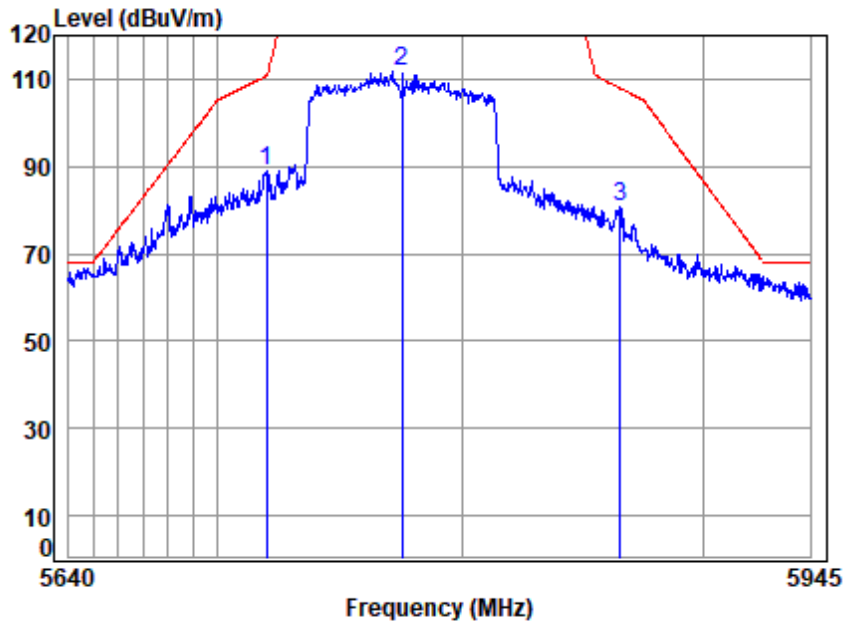
Compliance Certification Services (Kunshan) Inc. Shenzhen Branch

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

Report No.: FYCR220800030403

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



Site : chamber
Condition: 3m VERTICAL
Job No : 00304AT
Mode : 5775 Band edge
Note : 5G WIFI 11AC80

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5719.8700	7.99	32.51	32.21	80.90	89.19	110.76	-21.57 Peak
2	5775.0000	7.92	32.49	32.19	103.48	111.70	-----	----- Peak
3	5865.3840	7.80	32.45	32.15	72.86	80.96	107.89	-26.93 Peak



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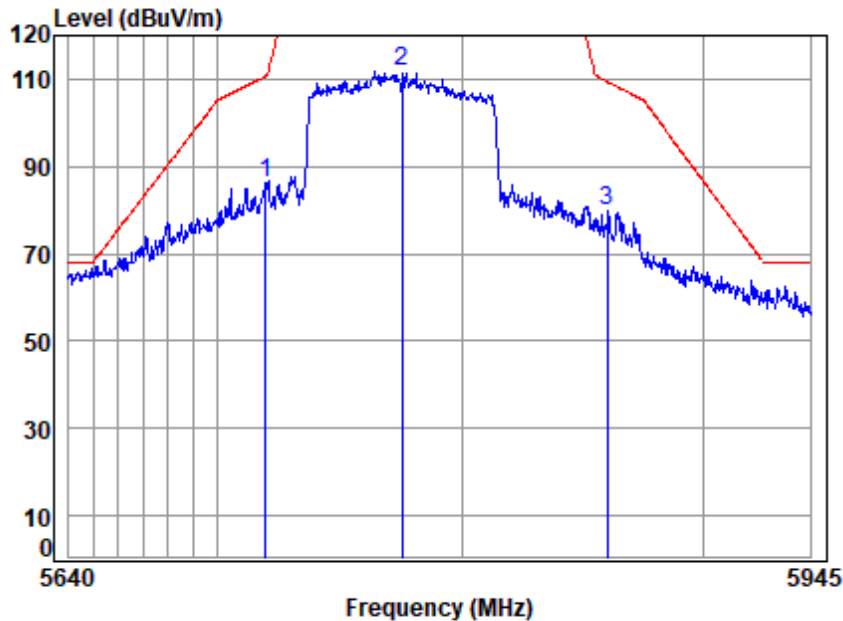
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Test Mode: 02; Polarity: Vertical; Modulation:802.11ac; Bandwidth:80MHz; Channel:middle



Site : chamber
Condition: 3m VERTICAL
Job No : 00304AT
Mode : 5775 Band edge
Note : 5G WIFI 11AC80

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5719.2670	7.99	32.51	32.21	78.12	86.41	110.60	-24.19 Peak
2	5775.0000	7.92	32.49	32.19	103.47	111.69	-----	----- Peak
3	5860.1350	7.81	32.45	32.15	71.53	79.64	109.36	-29.72 Peak



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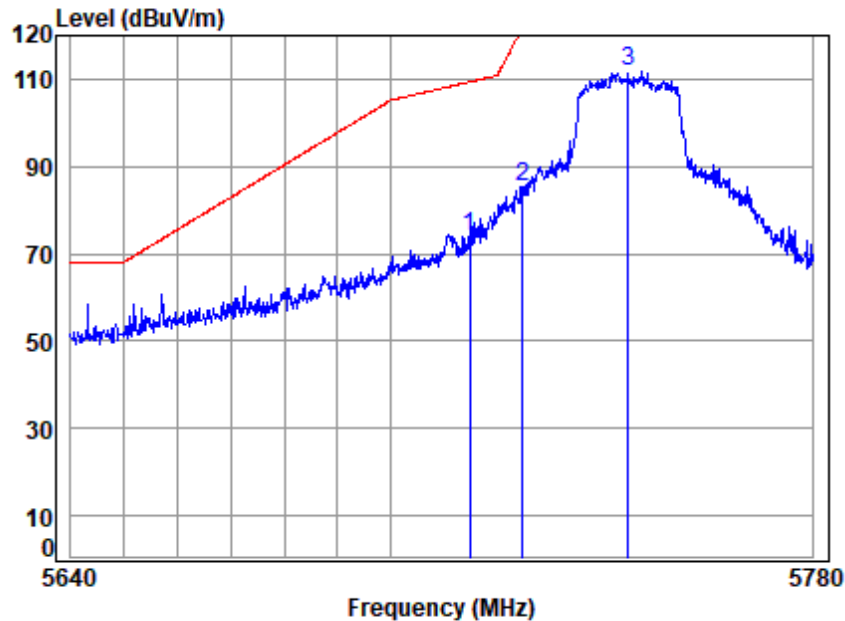
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Test Mode: 02; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 00304AT
Mode : 5745 Band edge
Note : 5G WIFI 11AX20

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5715.0000	7.99	32.51	32.21	65.85	74.14	109.40	-35.26 peak
2	5725.0000	7.98	32.51	32.21	77.04	85.32	122.20	-36.88 peak
3	5745.0000	7.95	32.50	32.20	103.35	111.60	-----	----- peak



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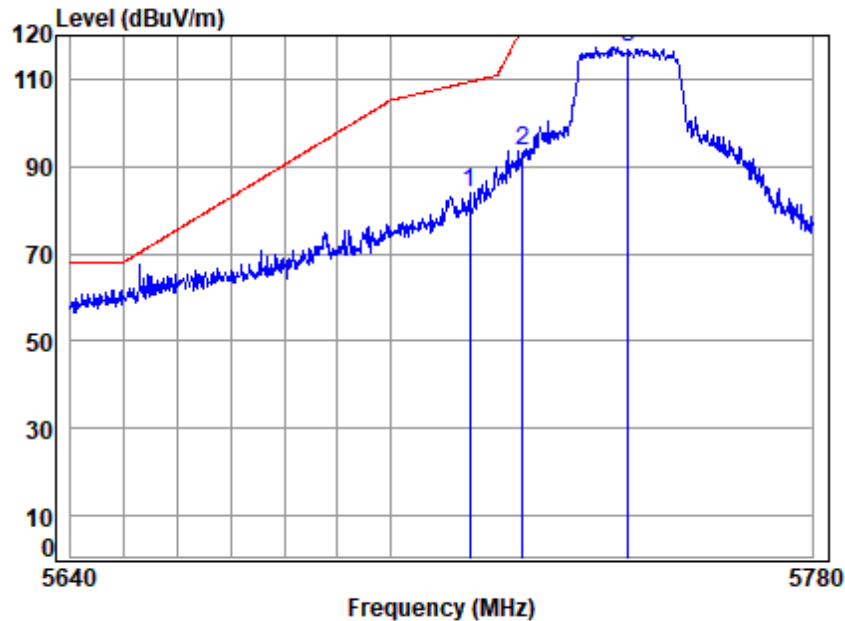
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Test Mode: 02; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:Low



Site : chamber
Condition: 3m VERTICAL
Job No : 00304AT
Mode : 5745 Band edge
Note : 5G WIFI 11AX20

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5715.0000	7.99	32.51	32.21	75.73	84.02	109.40	-25.38 peak
2	5725.0000	7.98	32.51	32.21	85.22	93.50	122.20	-28.70 peak
3	5745.0000	7.95	32.50	32.20	109.02	117.27	-----	----- peak



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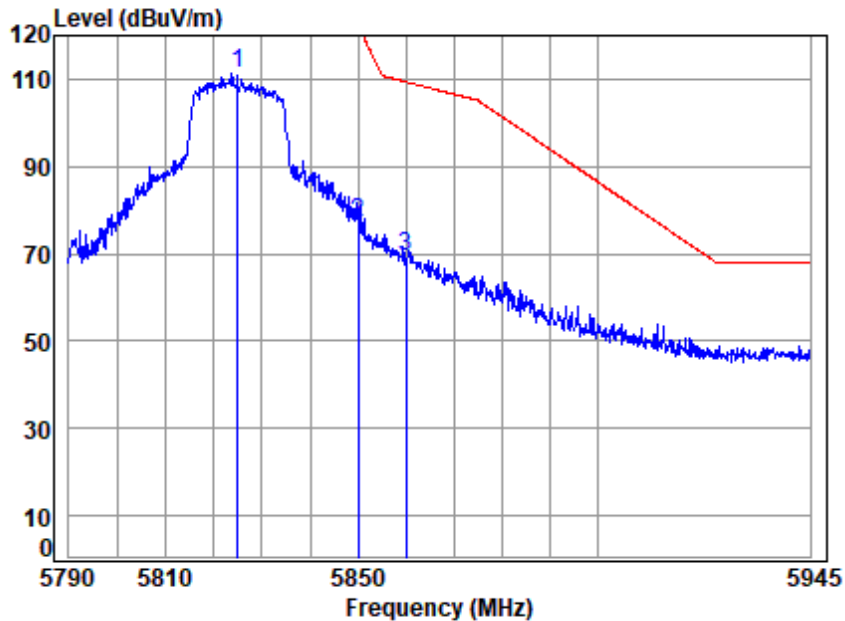
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Test Mode: 02; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:High



Site : chamber
Condition: 3m HORIZONTAL
Job No : 00304AT
Mode : 5825 Band edge
Note : 5G WIFI 11AX20

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5825.0000	7.85	32.47	32.17	103.12	111.27	-----	----- peak
2	5850.0000	7.82	32.46	32.16	68.96	77.08	122.20	-45.12 peak
3	5860.0000	7.81	32.45	32.15	61.38	69.49	109.40	-39.91 peak



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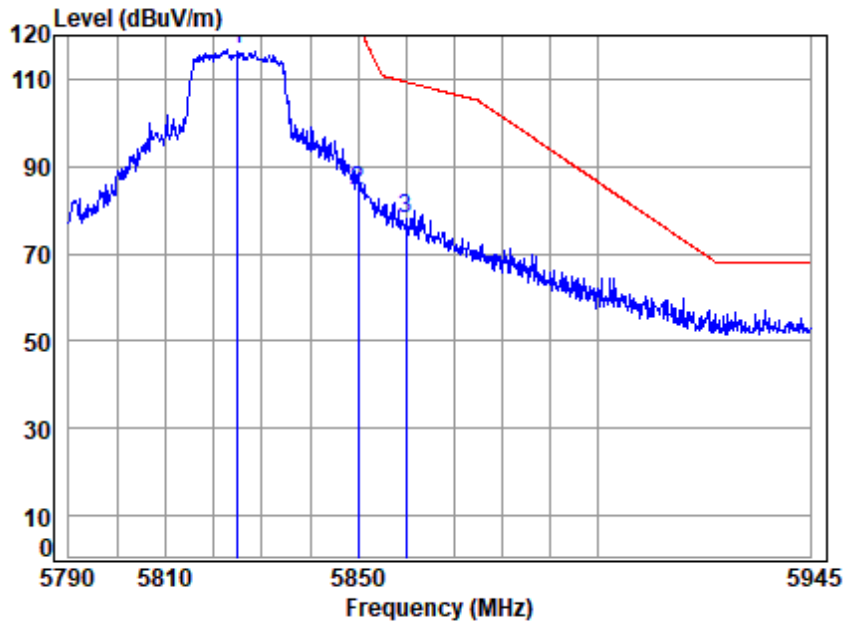
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Test Mode: 02; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:High



Site : chamber
Condition: 3m VERTICAL
Job No : 00304AT
Mode : 5825 Band edge
Note : 5G WIFI 11AX20

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5825.0000	7.85	32.47	32.17	108.58	116.73	-----	----- peak
2	5850.0000	7.82	32.46	32.16	76.31	84.43	122.20	-37.77 peak
3	5860.0000	7.81	32.45	32.15	69.98	78.09	109.40	-31.31 peak



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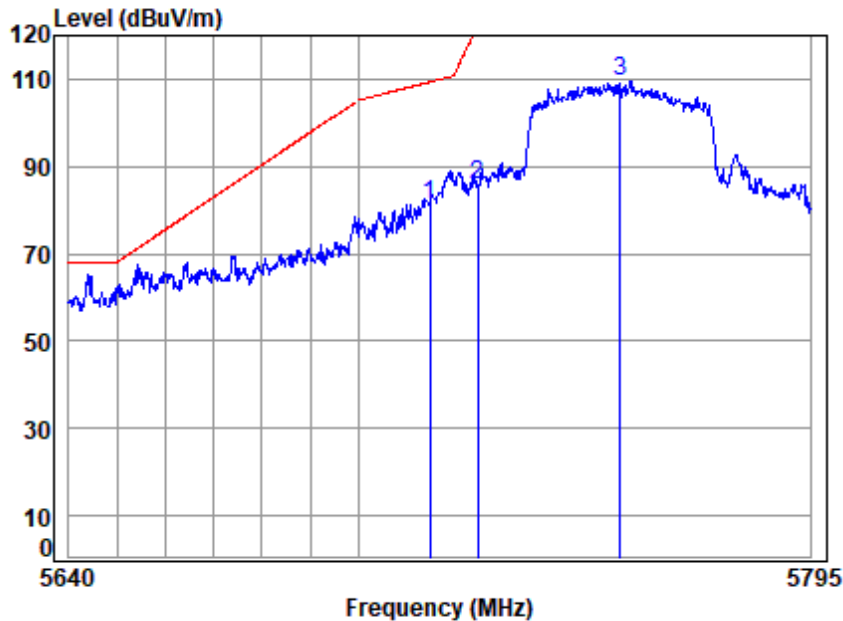
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Test Mode: 02; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 00304AT
Mode : 5755 Band edge
Note : 5G WIFI 11AX40

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5715.0000	7.99	32.51	32.21	72.94	81.23	109.40	-28.17 peak
2	5725.0000	7.98	32.51	32.21	77.42	85.70	122.20	-36.50 peak
3	5755.0000	7.94	32.50	32.20	101.26	109.50	-----	----- peak



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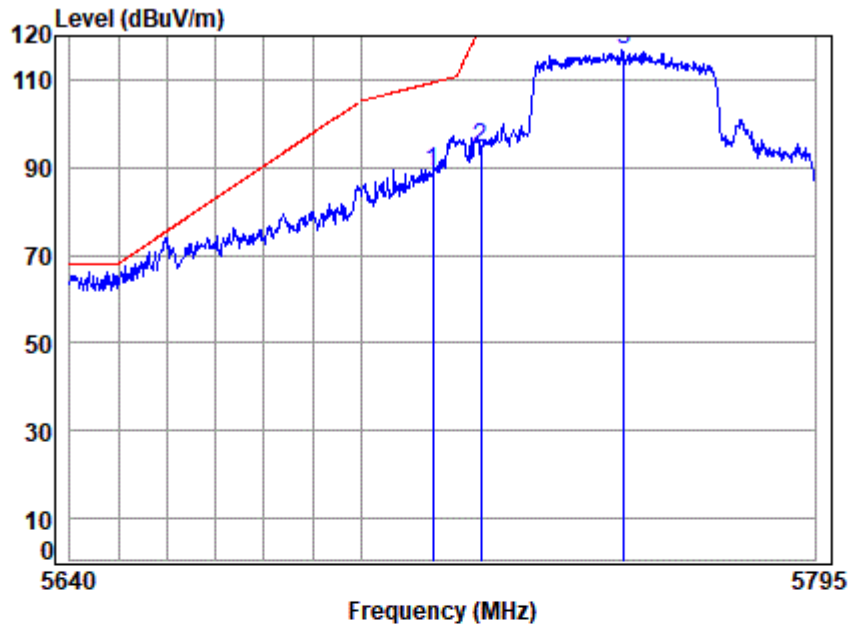
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Test Mode: 02; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:Low



Site : chamber
Condition: 3m VERTICAL
Job No : 00304AT
Mode : 5755 Band edge
Note : 5G WIFI 11AX40

		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5715.0000	7.99	32.51	32.21	81.78	90.07	109.40	-19.33 peak
2	5725.0000	7.98	32.51	32.21	85.97	94.25	122.20	-27.95 peak
3	5755.0000	7.94	32.50	32.20	108.46	116.70	-----	----- peak



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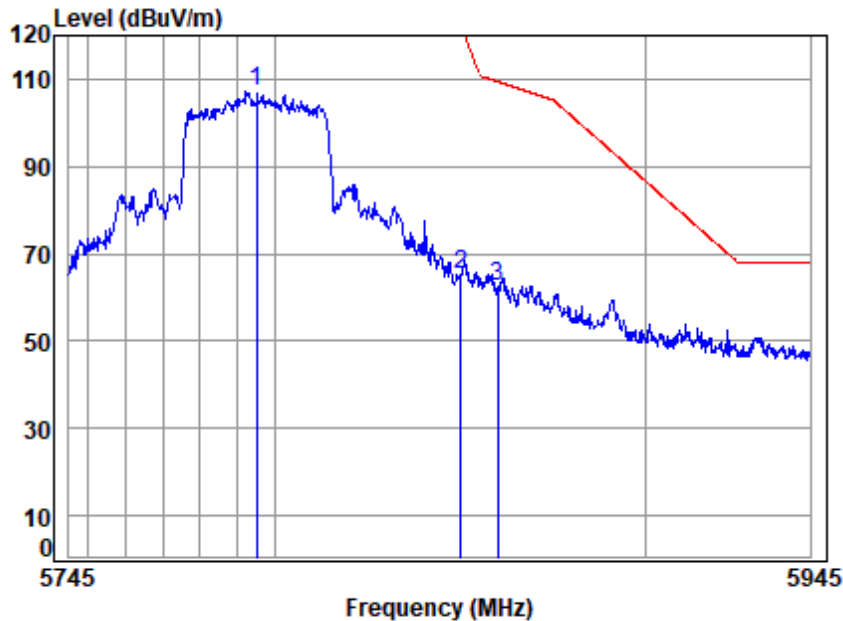
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Test Mode: 02; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:High



Site : chamber
Condition: 3m HORIZONTAL
Job No : 00304AT
Mode : 5795 Band edge
Note : 5G WIFI 11AX40

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5795.0000	7.89	32.48	32.18	98.99	107.18	-----	----- peak
2	5850.0000	7.82	32.46	32.16	57.25	65.37	122.20	-56.83 peak
3	5860.0000	7.81	32.45	32.15	54.47	62.58	109.40	-46.82 peak



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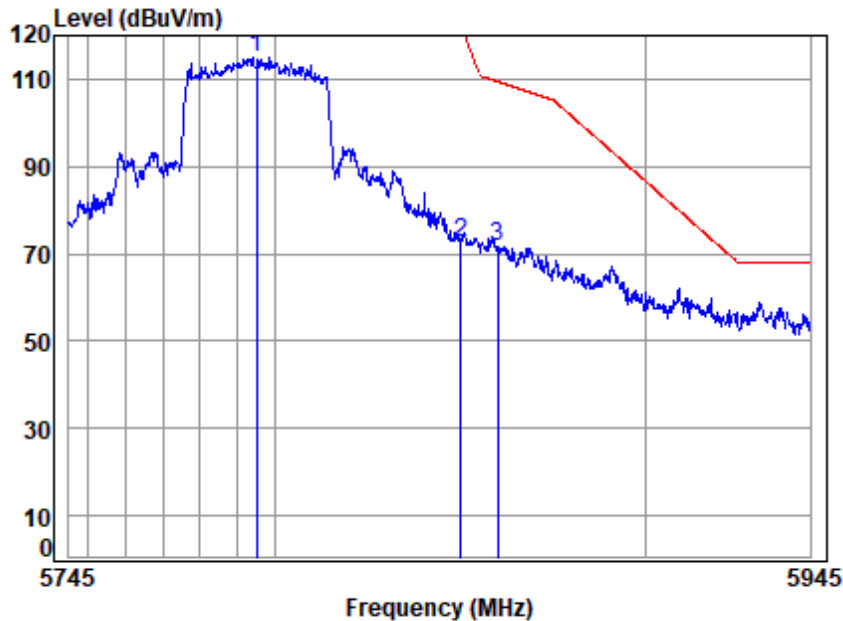
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Test Mode: 02; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:High



Site : chamber
Condition: 3m VERTICAL
Job No : 00304AT
Mode : 5795 Band edge
Note : 5G WIFI 11AX40

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5795.0000	7.89	32.48	32.18	106.80	114.99	-----	----- peak
2	5850.0000	7.82	32.46	32.16	64.48	72.60	122.20	-49.60 peak
3	5860.0000	7.81	32.45	32.15	63.64	71.75	109.40	-37.65 peak



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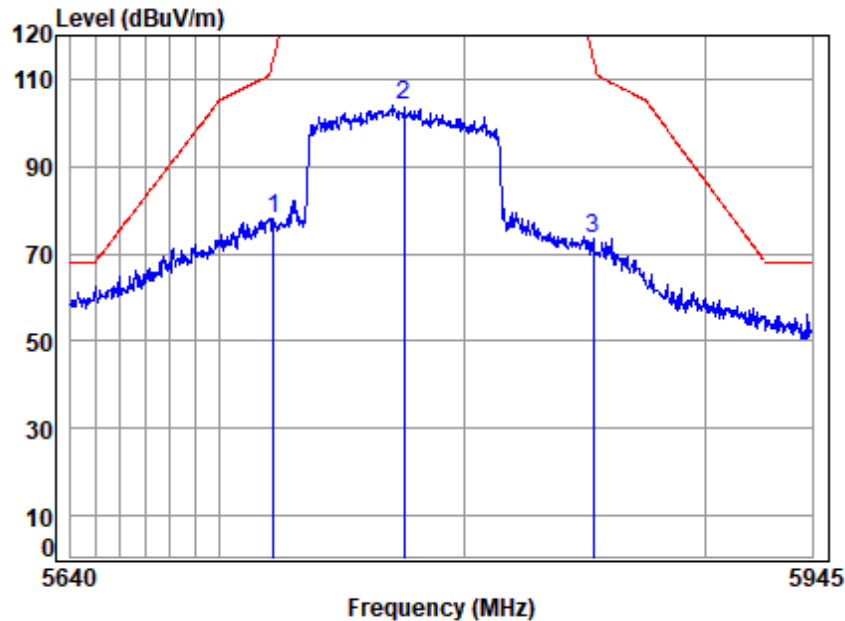
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Test Mode: 02; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:80MHz; Channel:middle



Site : chamber
Condition: 3m HORIZONTAL
Job No : 00304AT
Mode : 5775 Band edge
Note : 5G WIFI 11AX80

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5721.9790	7.98	32.51	32.21	69.92	78.20	115.31	-37.11 peak
2	5775.0000	7.92	32.49	32.19	95.75	103.97	-----	----- peak
3	5853.3490	7.82	32.46	32.16	65.13	73.25	114.56	-41.31 peak



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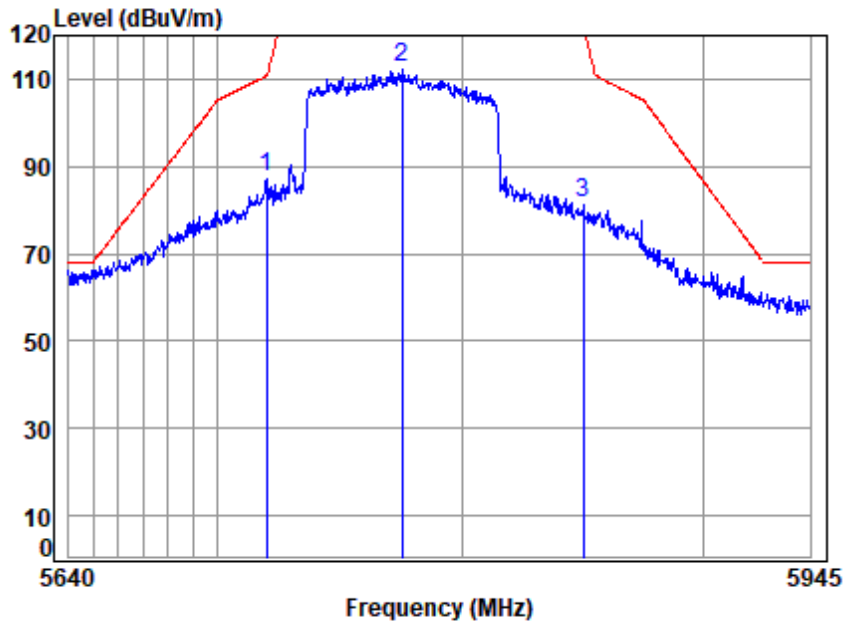
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Test Mode: 02; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:80MHz; Channel:middle



Site : chamber
Condition: 3m VERTICAL
Job No : 00304AT
Mode : 5775 Band edge
Note : 5G WIFI 11AX80

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5719.8700	7.99	32.51	32.21	79.46	87.75	110.76	-23.01 peak
2	5775.0000	7.92	32.49	32.19	104.58	112.80	-----	----- peak
3	5849.9580	7.82	32.46	32.16	73.33	81.45	-----	----- peak



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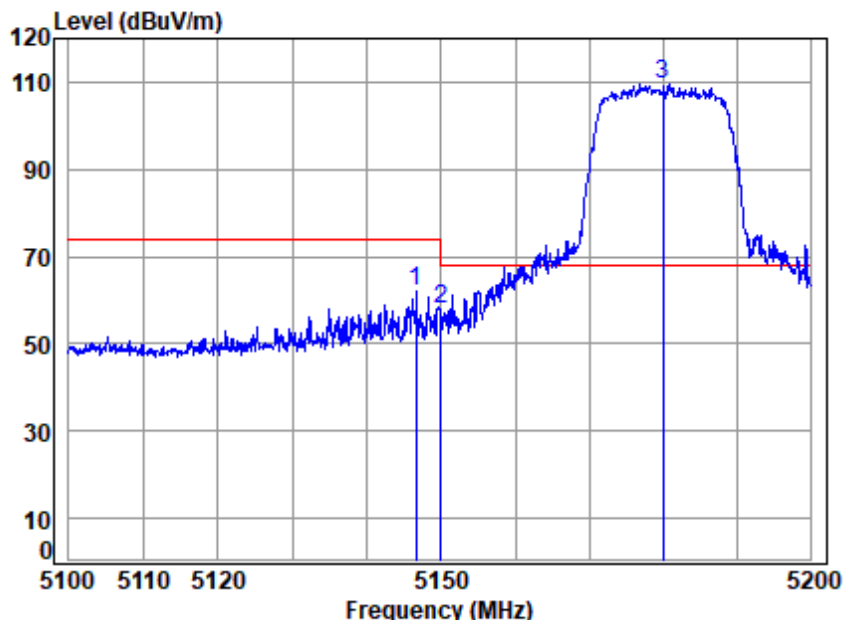
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Test Mode: 03; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:20MHz; Channel:Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 00304AT
Mode : 5180 Band edge
Note : 5G WIFI 11AC20

		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5146.6580	8.29	31.76	31.81	53.69	61.93	74.00	-12.07 peak
2	5149.9800	8.29	31.77	31.82	49.80	58.04	74.00	-15.96 peak
3	5180.0000	8.29	31.85	31.86	101.24	109.52	68.20	41.32 peak



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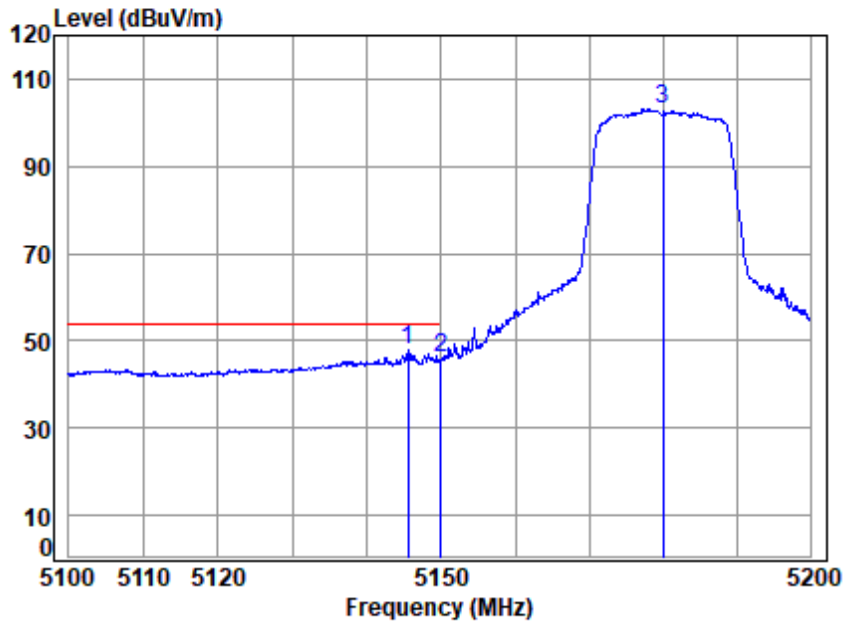
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Test Mode: 03; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:20MHz; Channel:Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 00304AT
Mode : 5180 Band edge
Note : 5G WIFI 11AC20

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5145.5590	8.29	31.76	31.81	39.67	47.91	54.00	-6.09 Average
2	5149.9800	8.29	31.77	31.82	37.75	45.99	54.00	-8.01 Average
3	5180.0000	8.29	31.85	31.86	94.90	103.18	-----	----- Average



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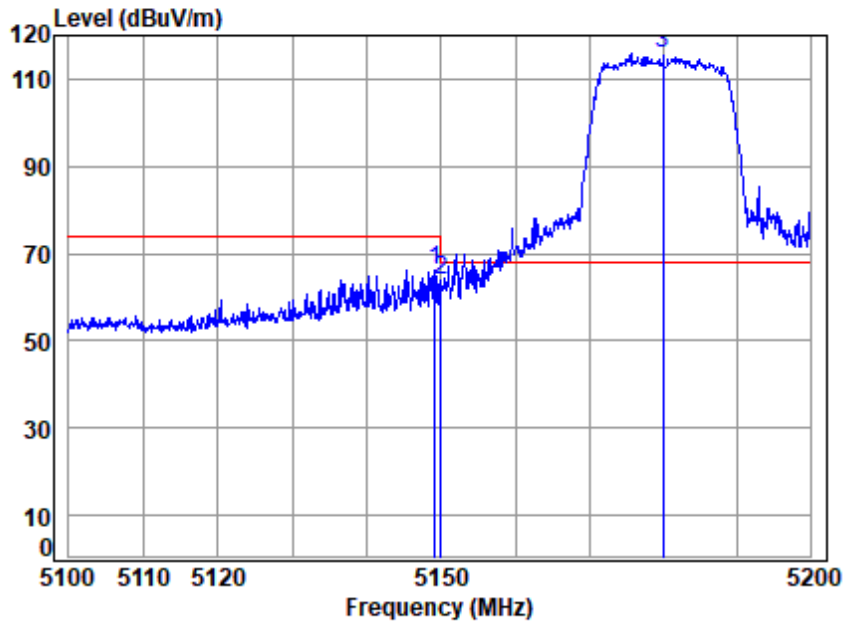
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Test Mode: 03; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:Low



Site : chamber
Condition: 3m VERTICAL
Job No : 00304AT
Mode : 5180 Band edge
Note : 5G WIFI 11AC20

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5149.1570	8.29	31.77	31.82	58.06	66.30	74.00	-7.70 Peak
2	5149.9800	8.29	31.77	31.82	55.53	63.77	74.00	-10.23 Peak
3	5180.0000	8.29	31.85	31.86	107.47	115.75	68.20	47.55 Peak



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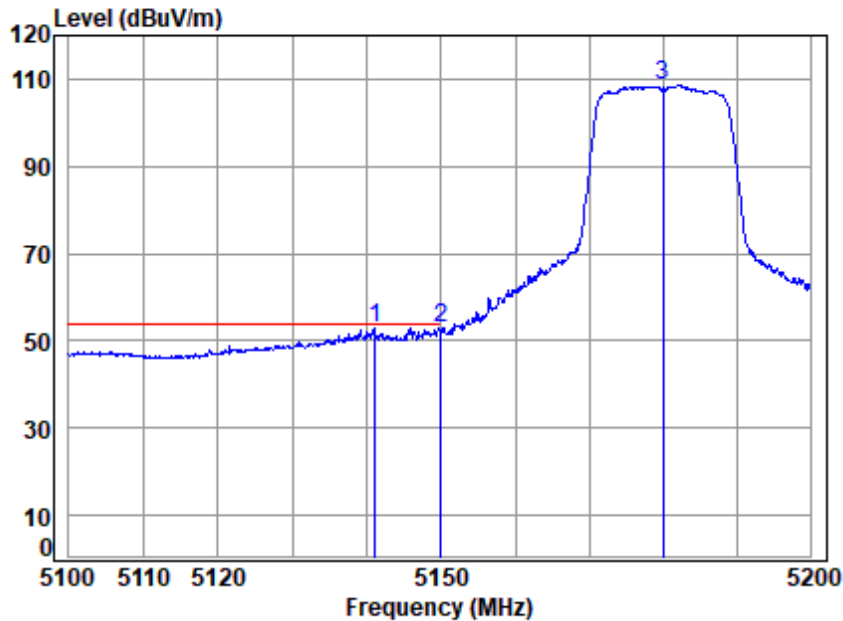
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Test Mode: 03; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:Low



Site : chamber
Condition: 3m VERTICAL
Job No : 00304AT
Mode : 5180 Band edge
Note : 5G WIFI 11AC20

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5141.0650	8.29	31.75	31.80	44.80	53.04	54.00	-0.96 Average
2	5149.9800	8.29	31.77	31.82	44.64	52.88	54.00	-1.12 Average
3	5180.0000	8.29	31.85	31.86	100.50	108.78	-----	----- Average



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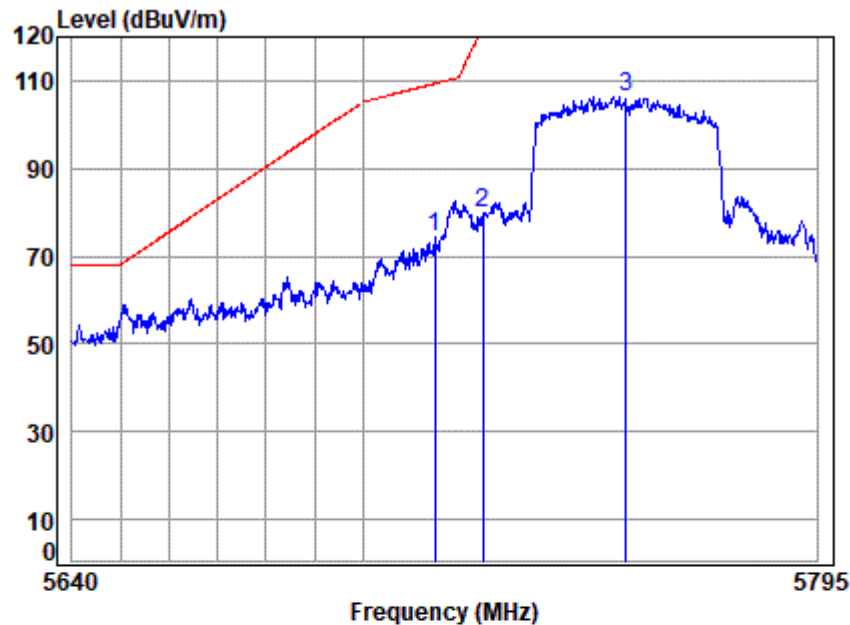
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Test Mode: 04; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:40MHz; Channel:Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 00304AT
Mode : 5755 Band edge
Note : 5G WIFI 11AC40

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5715.0000	7.99	32.51	32.21	65.88	74.17	109.40	-35.23	peak
2	5725.0000	7.98	32.51	32.21	71.49	79.77	122.20	-42.43	peak
3	5755.0000	7.94	32.50	32.20	98.15	106.39	-----	-----	peak



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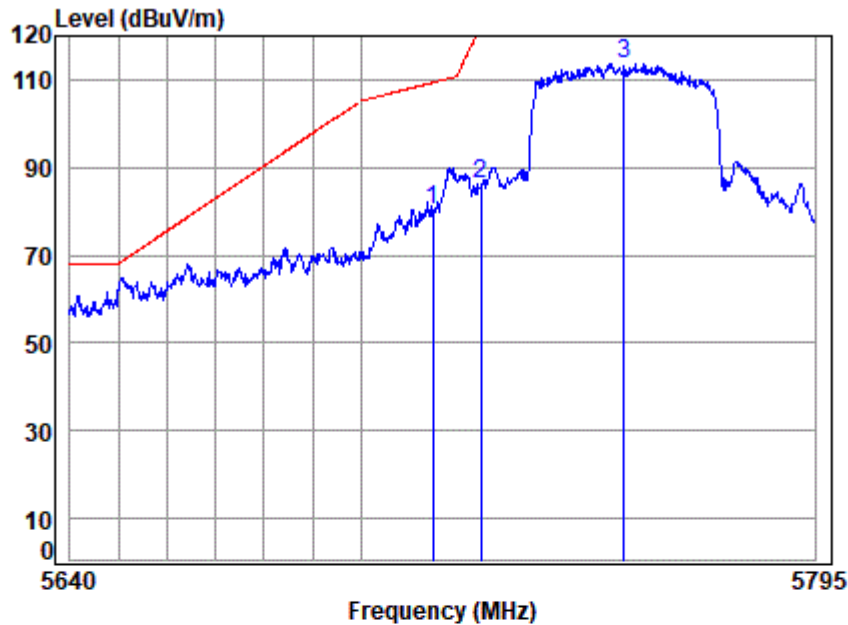
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Test Mode: 04; Polarity: Vertical; Modulation:802.11ac; Bandwidth:40MHz; Channel:Low



Site : chamber
Condition: 3m VERTICAL
Job No : 00304AT
Mode : 5755 Band edge
Note : 5G WIFI 11AC40

		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5715.0000	7.99	32.51	32.21	71.81	80.10	109.40	-29.30 peak
2	5725.0000	7.98	32.51	32.21	78.10	86.38	122.20	-35.82 peak
3	5755.0000	7.94	32.50	32.20	105.59	113.83	-----	----- peak



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7.11 Frequency Stability

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

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

7.11.1 E.U.T. Operation

Operating Environment:

Temperature: 25.2 °C

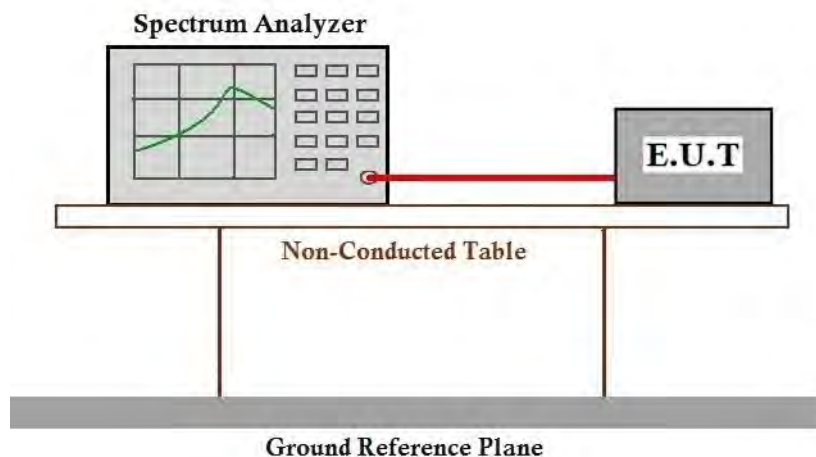
Humidity: 42.5 % RH

Atmospheric Pressure: 1020 mbar

7.11.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	01	TX mode (U-NII-1) _Keep the EUT in continuously transmitting mode with all modulation types of Beamforming mode (802.11 n/ac/ax) and Non-Beamforming mode (802.11 a/n/ac/ax) . All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.
Final test	02	TX mode (U-NII-3) _Keep the EUT in continuously transmitting mode with all modulation types of Beamforming mode (802.11 n/ac/ax) and Non-Beamforming mode (802.11 a/n/ac/ax). All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). 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

8 Test Setup Photo

Refer to Appendix –SetupPhoto for FYCR2208000304AT.



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9 EUT Constructional Details (EUT Photos)

Refer to Appendix – External and Internal Photos for KSCR2207001267AT.



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10 Appendix

10.1 For Non-Beamforming:

10.1.1 Duty Cycle

10.1.1.1 Ant1

10.1.1.1.1 Test Result

Ant1									
Mode	TX Type	Frequency (MHz)	RU	RU Pos	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
802.11a	MIMO	5180	/	/	1.396	1.454	96.01	0.18	0.03
		5200	/	/	1.397	1.455	96.01	0.18	0.00
		5240	/	/	1.396	1.454	96.01	0.18	0.00
		5745	/	/	1.396	1.454	96.01	0.18	0.03
		5785	/	/	1.399	1.455	96.15	0.17	0.07
		5825	/	/	1.400	1.455	96.22	0.17	0.03
802.11n (HT20)	MIMO	5180	/	/	1.308	1.367	95.68	0.19	0.03
		5200	/	/	1.308	1.366	95.75	0.19	0.03
		5240	/	/	1.309	1.367	95.76	0.19	0.07
		5745	/	/	1.312	1.367	95.98	0.18	0.03
		5785	/	/	1.309	1.366	95.83	0.19	0.03
		5825	/	/	1.308	1.366	95.75	0.19	0.04
802.11n (HT40)	MIMO	5190	/	/	0.547	0.605	90.41	0.44	0.03
		5230	/	/	0.548	0.605	90.58	0.43	0.03
		5755	/	/	0.550	0.605	90.91	0.41	0.03
		5795	/	/	0.547	0.605	90.41	0.44	0.06
802.11ac (VHT20)	MIMO	5180	/	/	1.316	1.374	95.78	0.19	0.03
		5200	/	/	1.316	1.374	95.78	0.19	0.03
		5240	/	/	1.316	1.374	95.78	0.19	0.00
		5745	/	/	1.317	1.374	95.85	0.18	0.03
		5785	/	/	1.317	1.375	95.78	0.19	0.03
		5825	/	/	1.316	1.374	95.78	0.19	0.03
802.11ac (VHT40)	MIMO	5190	/	/	0.656	0.714	91.88	0.37	0.07
		5230	/	/	0.656	0.714	91.88	0.37	0.06
		5755	/	/	0.657	0.714	92.02	0.36	0.06
		5795	/	/	0.657	0.714	92.02	0.36	0.06
802.11ac (VHT80)	MIMO	5210	/	/	0.326	0.381	85.56	0.68	0.03
		5775	/	/	0.325	0.382	85.08	0.70	0.10
802.11ax (HEW20)	MIMO	5180	RU242	Left	0.312	0.370	84.32	0.74	0.07
		5200	RU242	Left	0.313	0.370	84.59	0.73	0.07
		5240	RU242	Left	0.312	0.370	84.32	0.74	0.04



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		5745	RU242	Left	0.312	0.369	84.55	0.73	0.07
		5785	RU242	Left	0.312	0.369	84.55	0.73	0.04
		5825	RU242	Left	0.312	0.369	84.55	0.73	0.04
802.11ax (HEW40)	MIMO	5190	RU484	Left	0.312	0.370	84.32	0.74	0.07
		5230	RU484	Left	0.312	0.370	84.32	0.74	0.07
		5755	RU484	Left	0.313	0.370	84.59	0.73	0.04
		5795	RU484	Left	0.313	0.370	84.59	0.73	0.04
802.11ax (HEW80)	MIMO	5210	RU996	Left	0.299	0.354	84.46	0.73	0.04
		5775	RU996	Left	0.298	0.355	83.94	0.76	0.07



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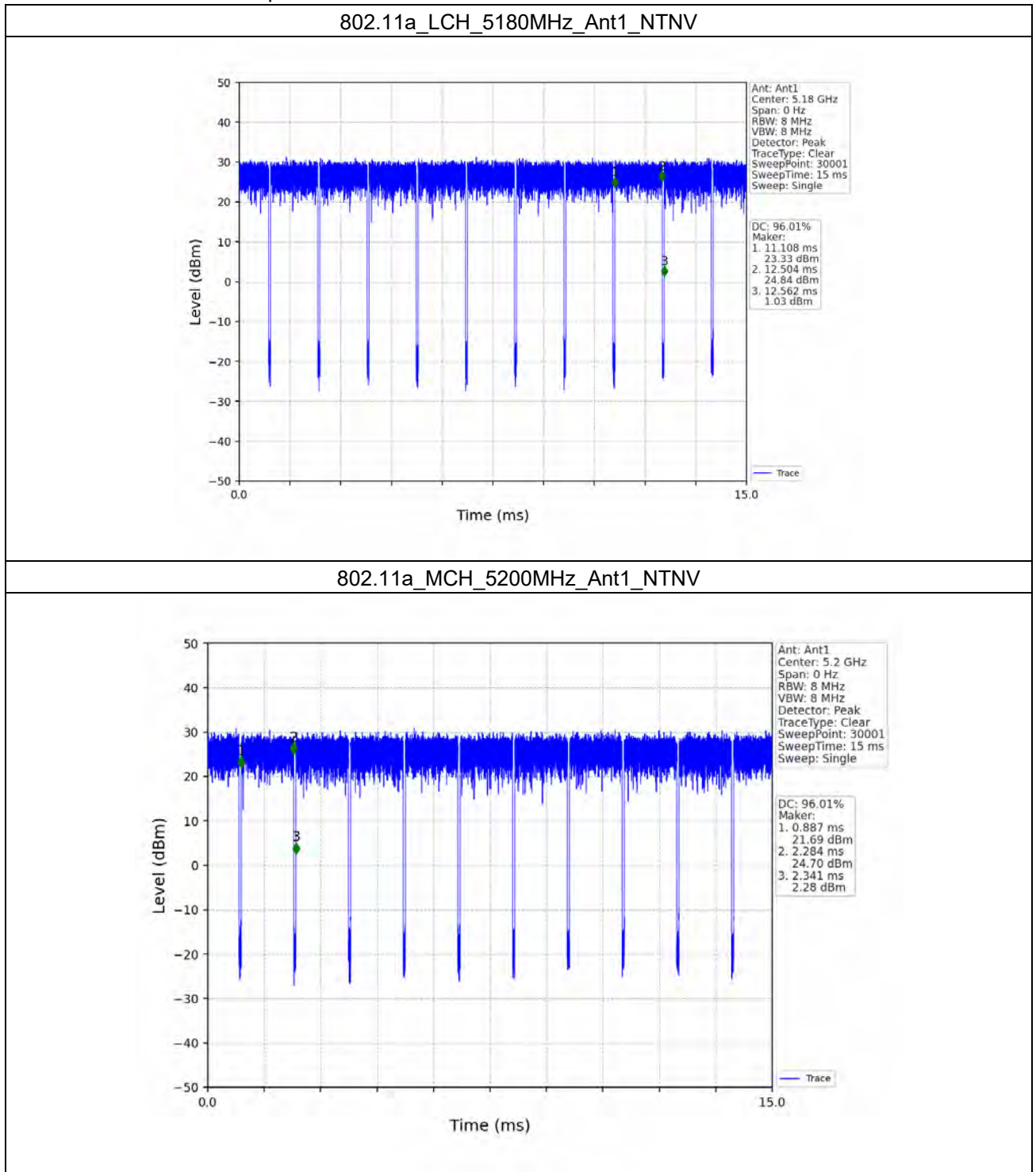
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10.1.1.1.2 Test Graph



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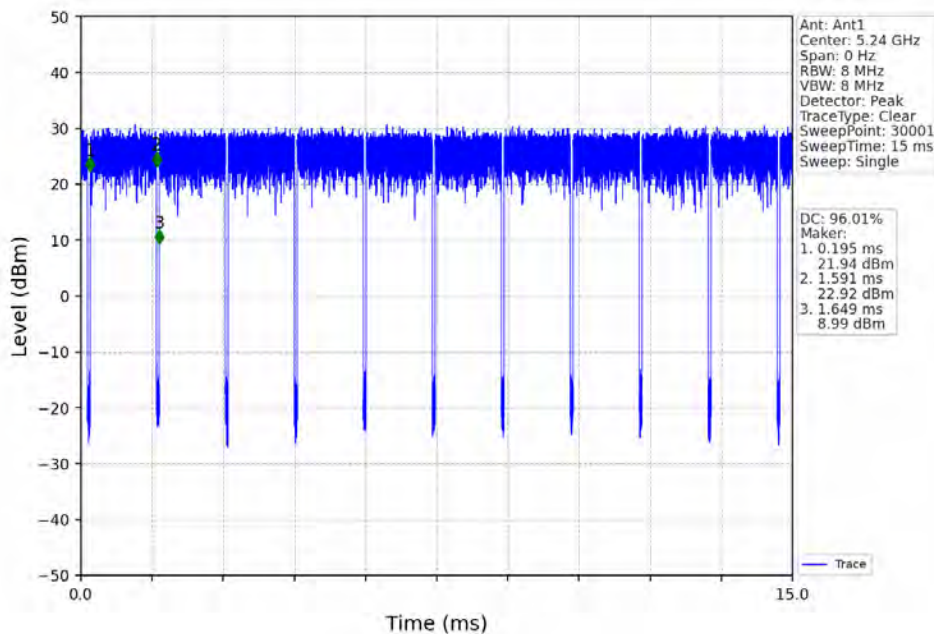
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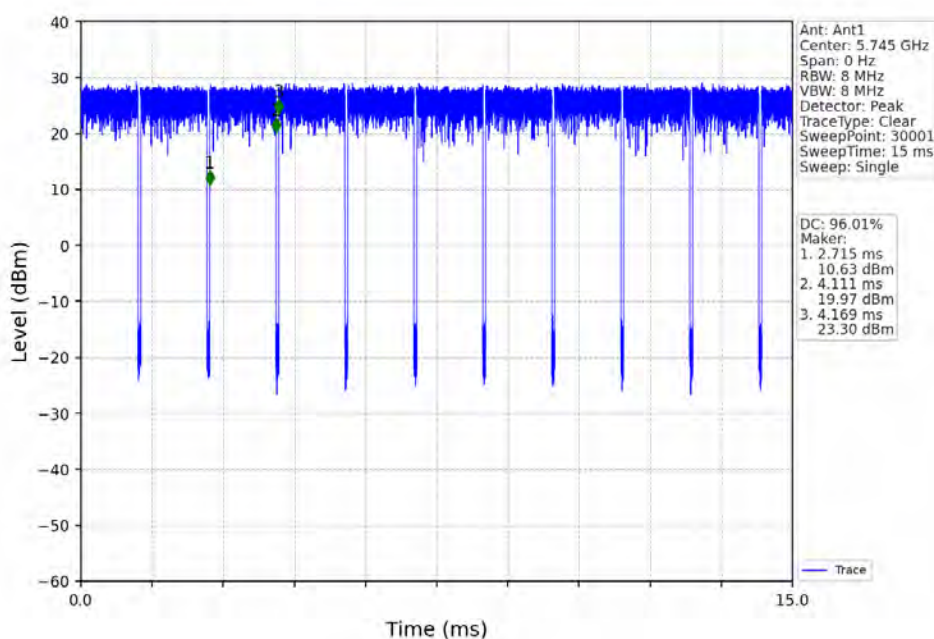
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802.11a_HCH_5240MHz_Ant1_NTNV



802.11a_LCH_5745MHz_Ant1_NTNV



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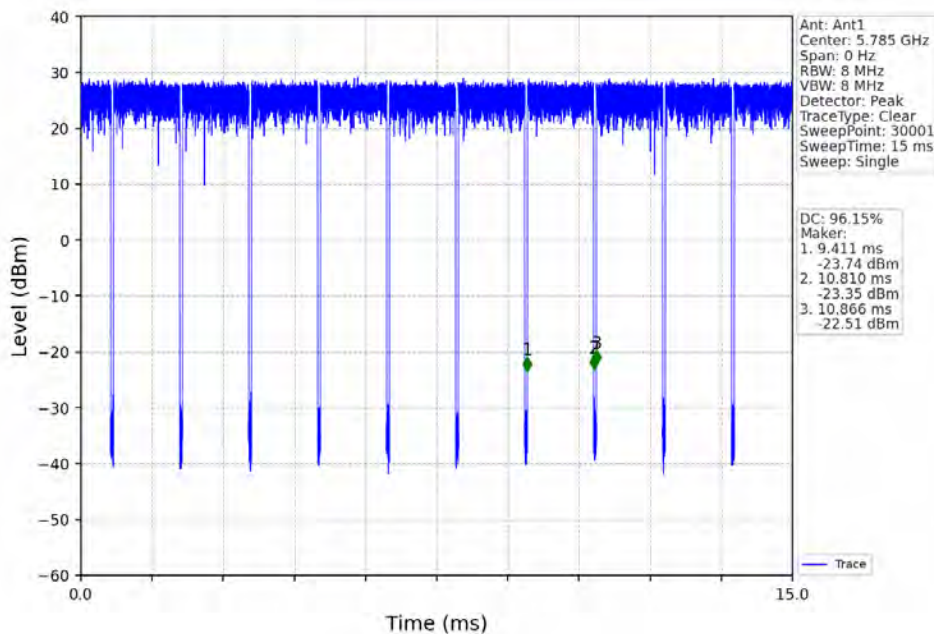
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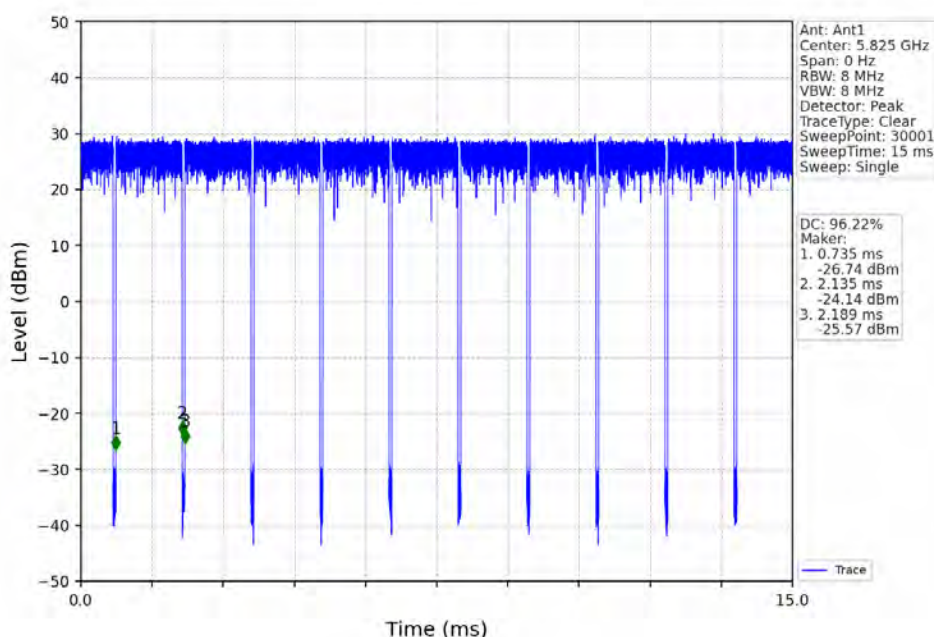
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802.11a_MCH_5785MHz_Ant1_NTNV



802.11a_HCH_5825MHz_Ant1_NTNV



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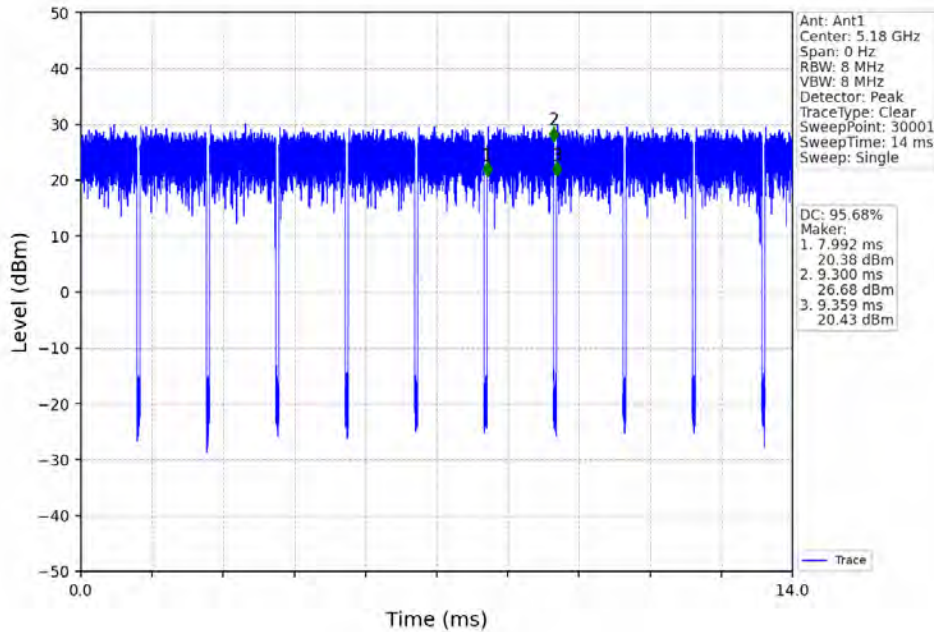
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802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



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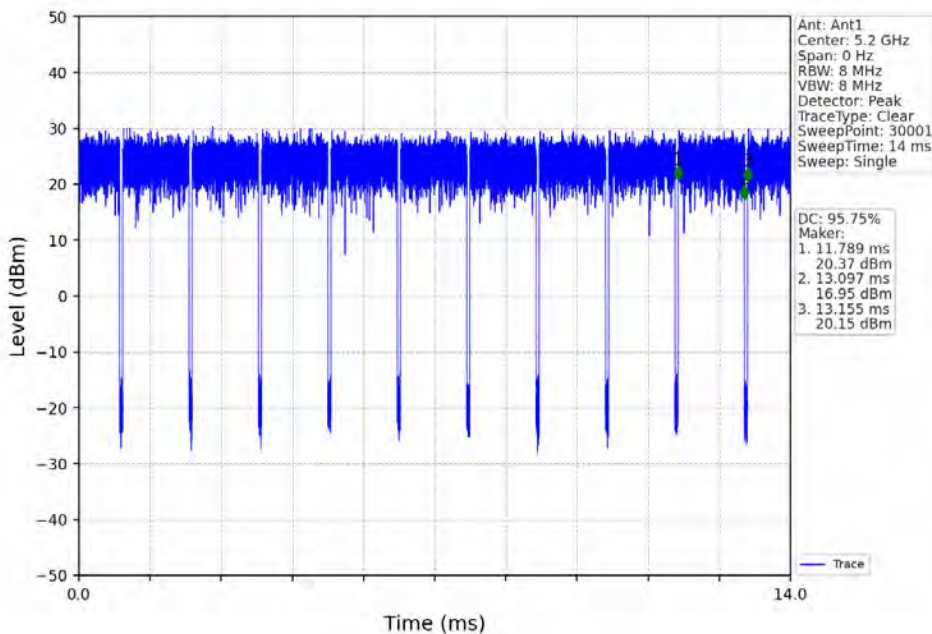
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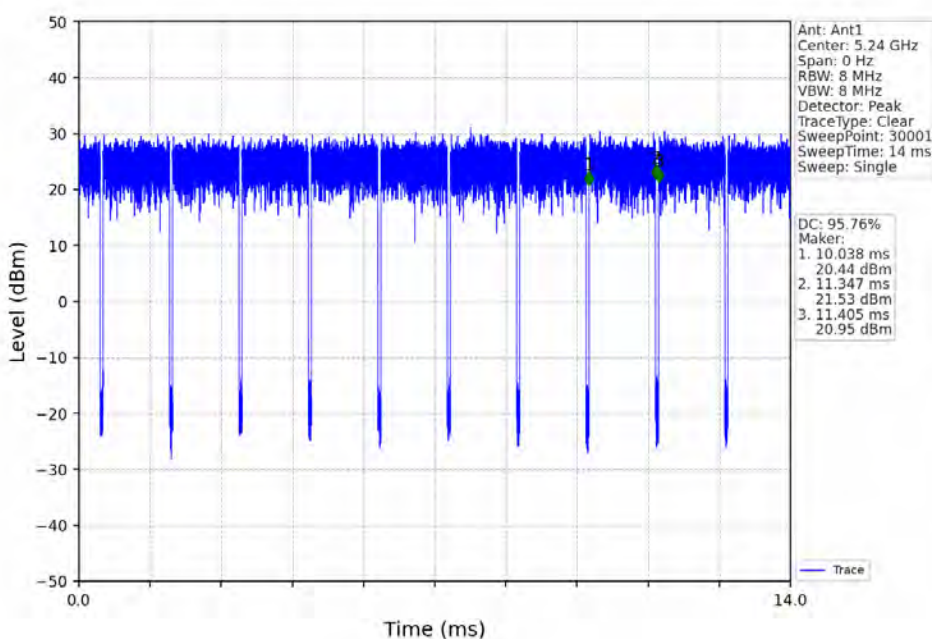
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802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



802.11n(HT20)_HCH_5240MHz_Ant1_NTNV



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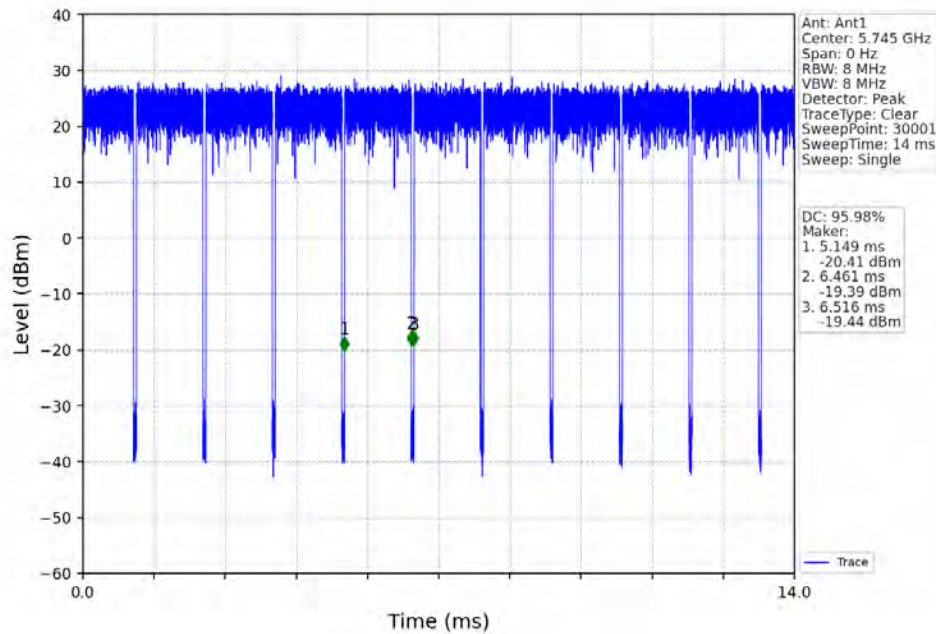
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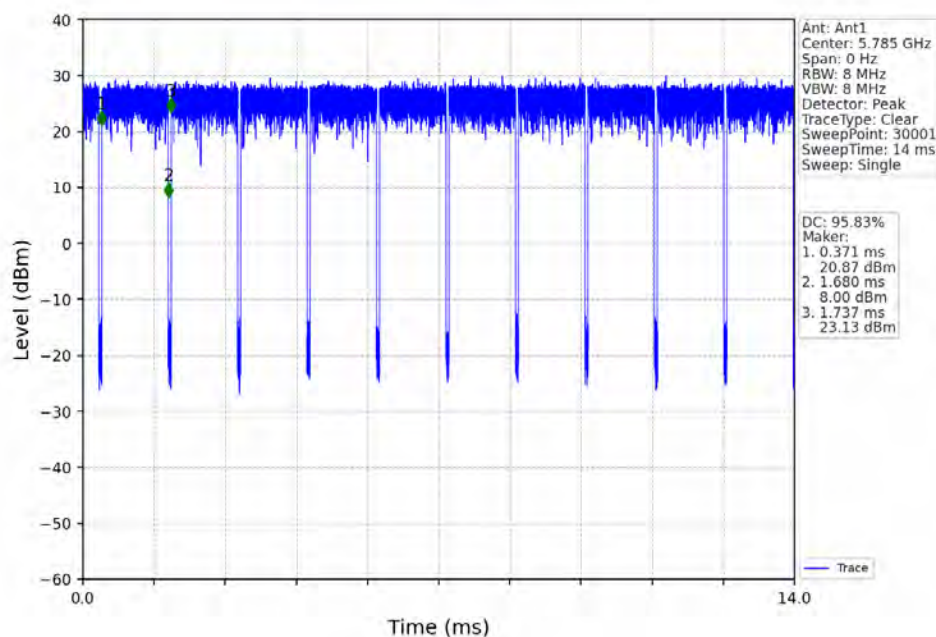
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802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



802.11n(HT20)_MCH_5785MHz_Ant1_NTNV



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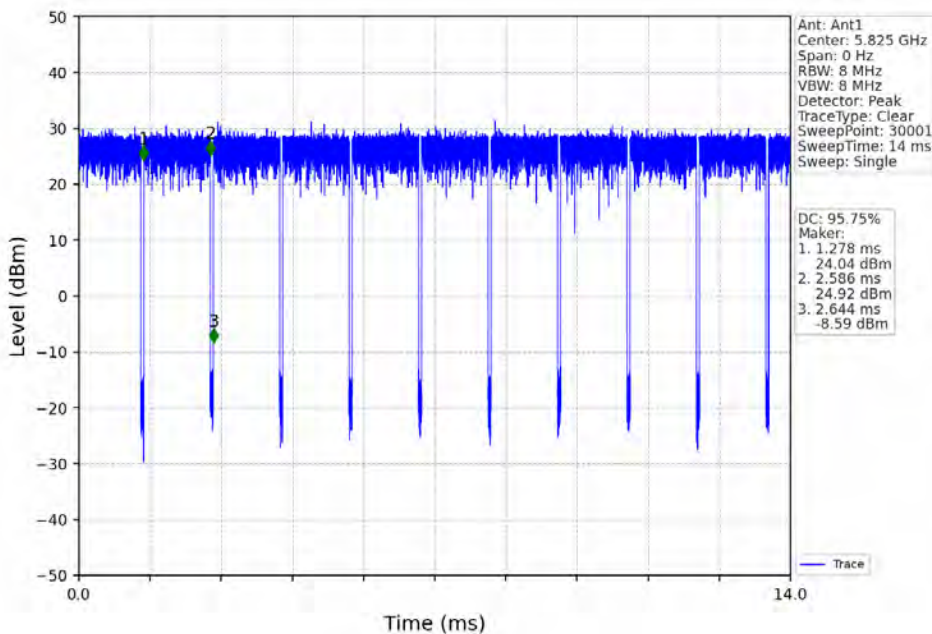
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802.11n(HT20)_HCH_5825MHz_Ant1_NTNV



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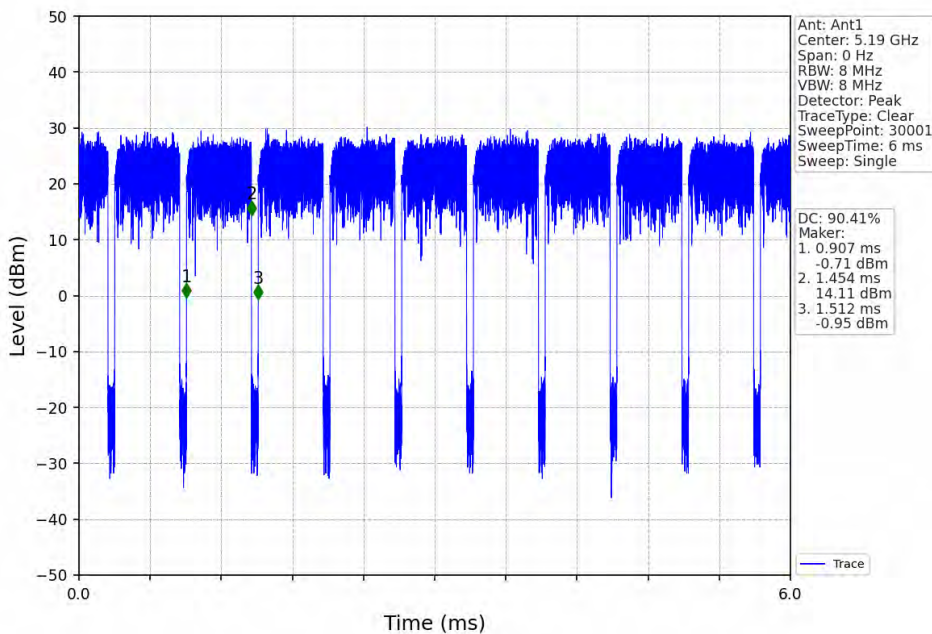
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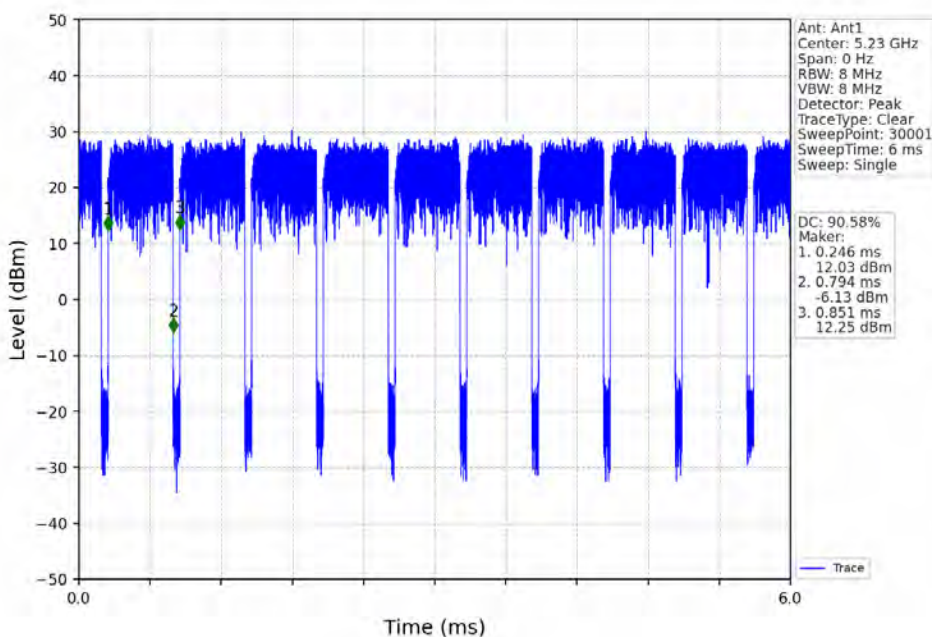
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802.11n(HT40)_LCH_5190MHz_Ant1_NTNV



802.11n(HT40)_HCH_5230MHz_Ant1_NTNV



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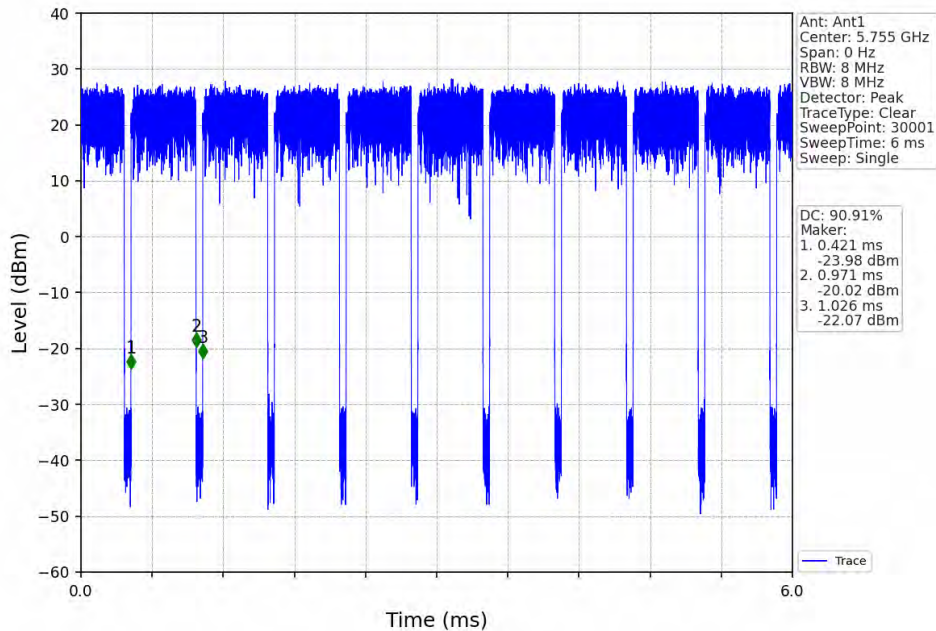
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802.11n(HT40)_LCH_5755MHz_Ant1_NTNV



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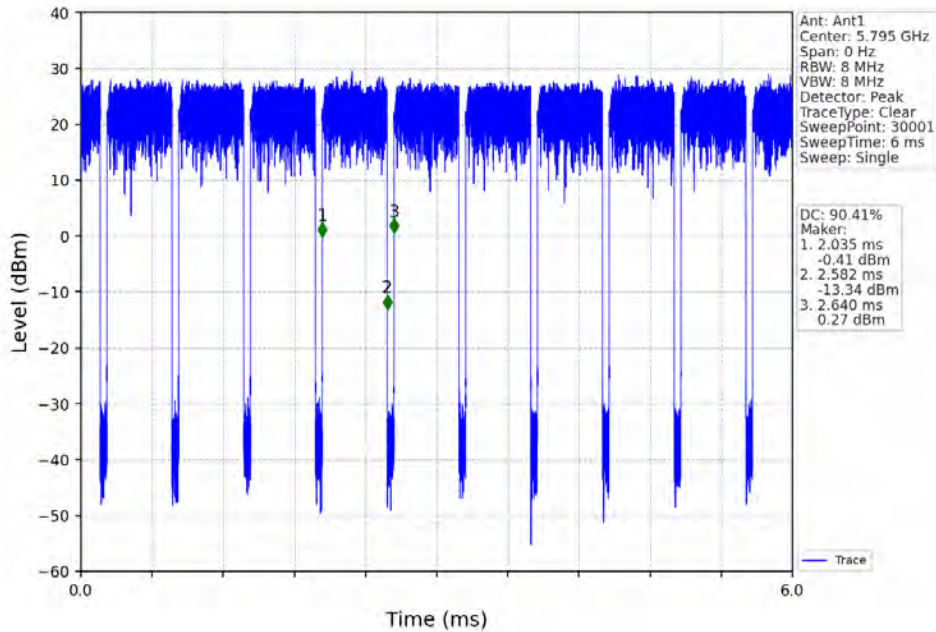
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802.11n(HT40)_HCH_5795MHz_Ant1_NTNV



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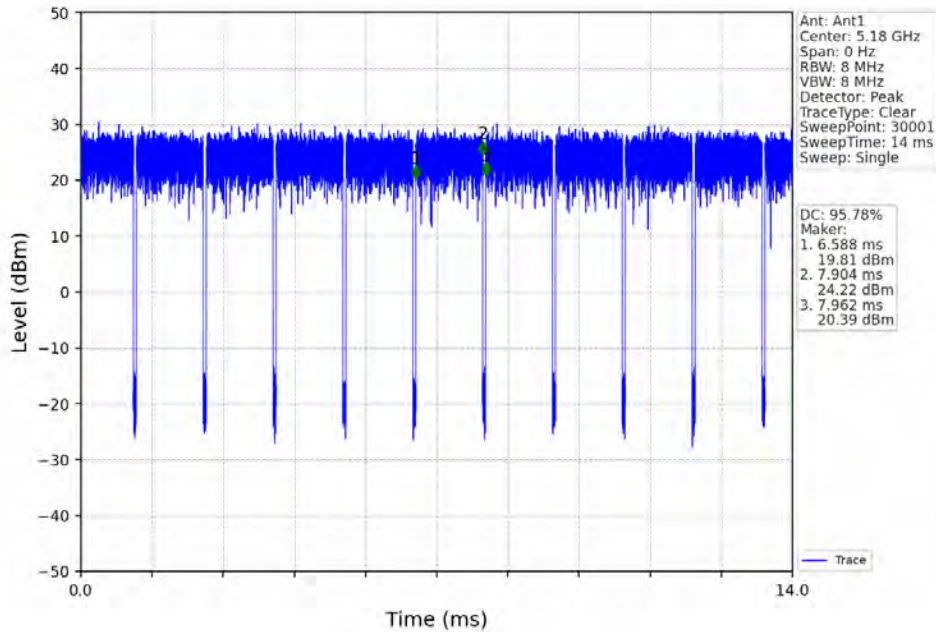
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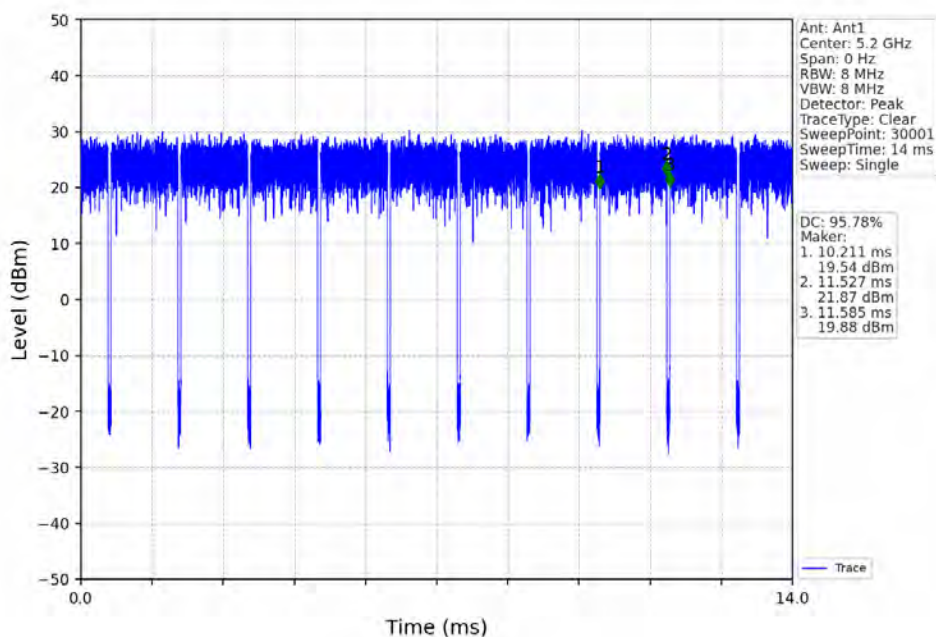
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802.11ac(VHT20)_LCH_5180MHz_Ant1_NTNV



802.11ac(VHT20)_MCH_5200MHz_Ant1_NTNV



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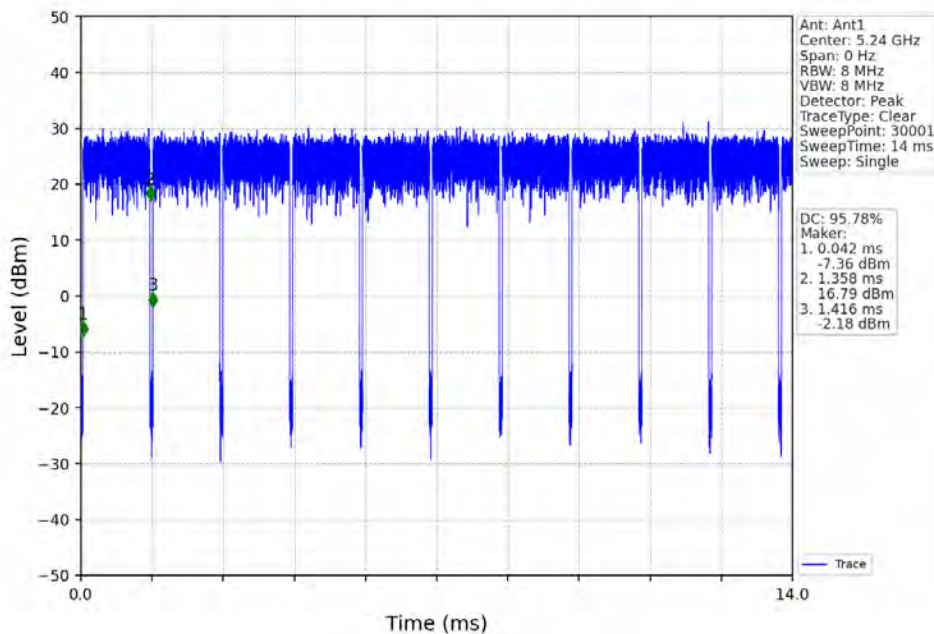
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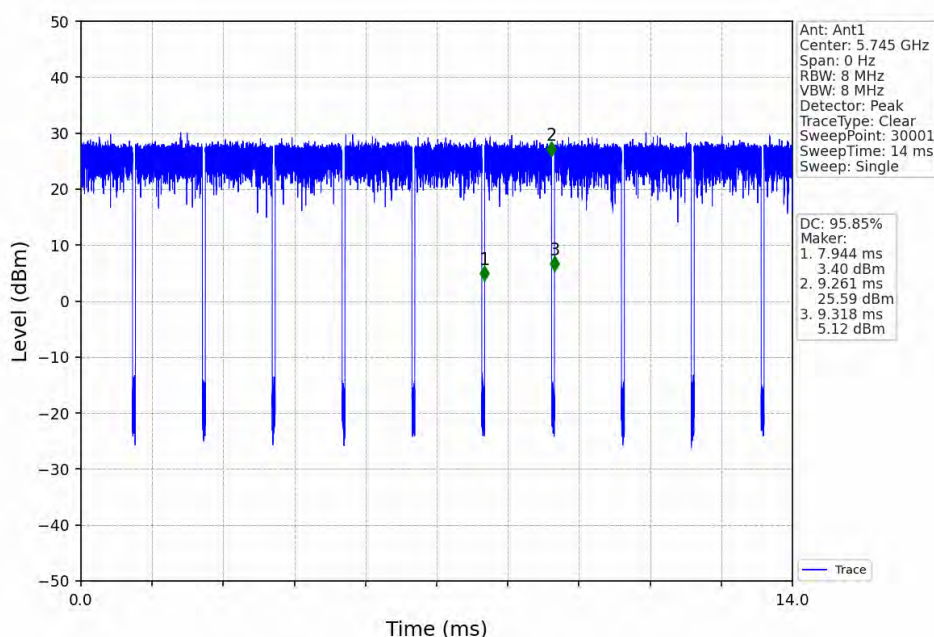
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802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV



802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV



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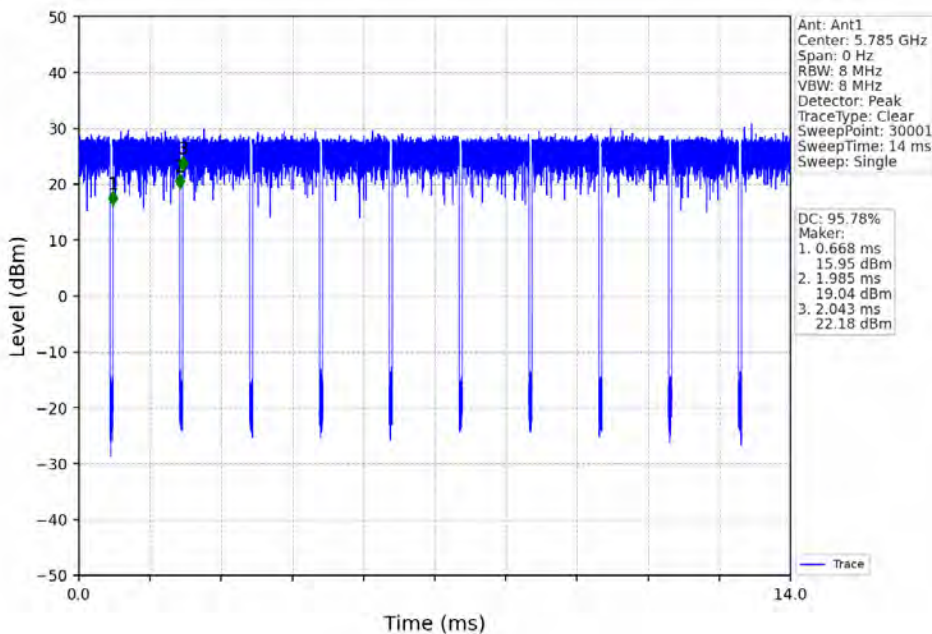
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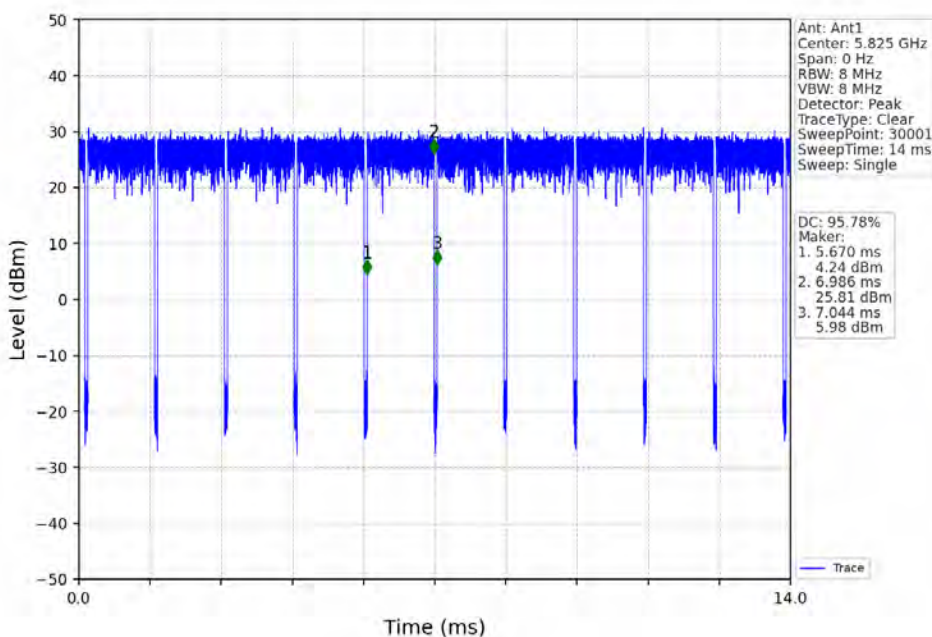
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802.11ac(VHT20)_MCH_5785MHz_Ant1_NTNV



802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV



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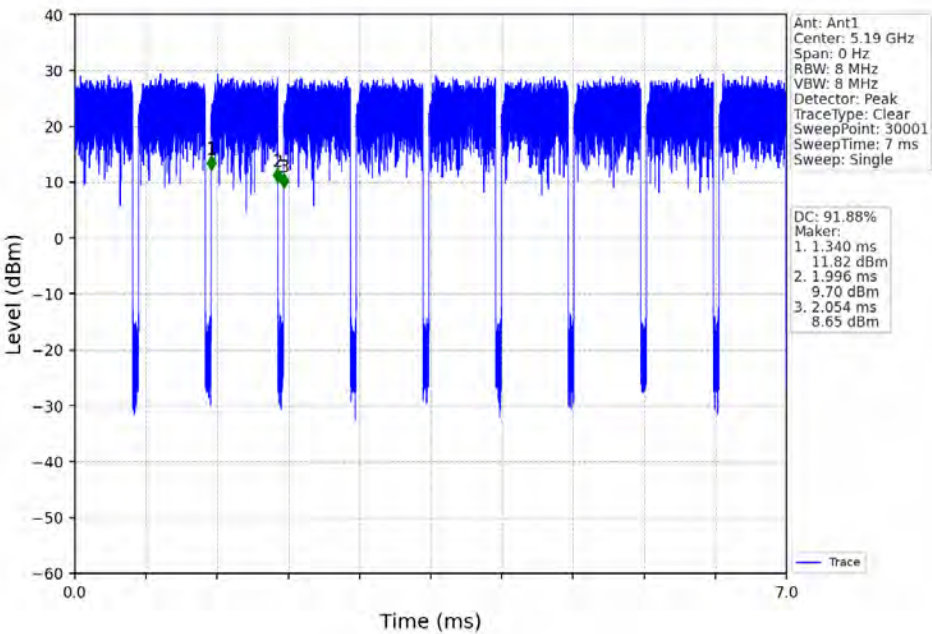
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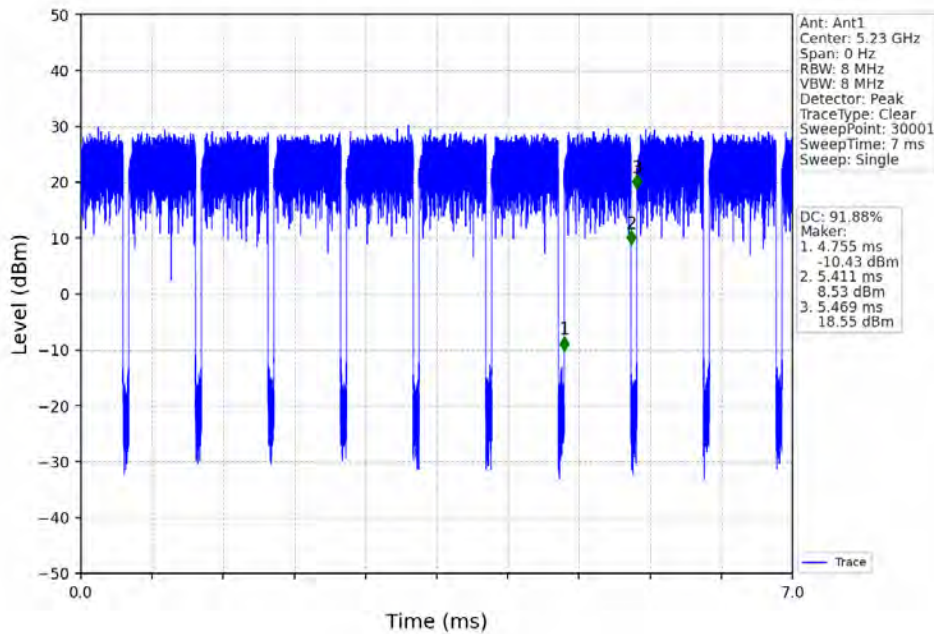
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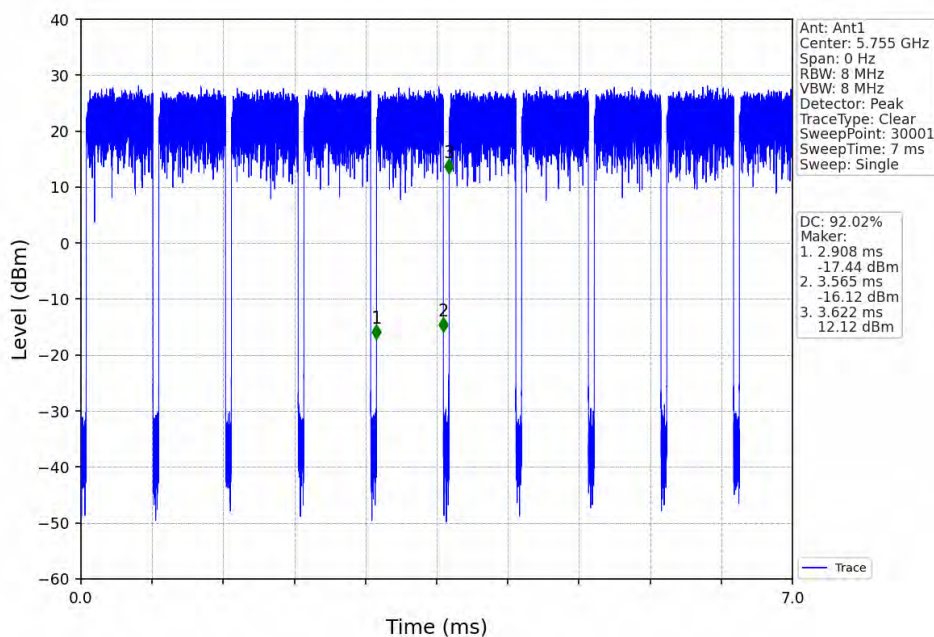
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802.11ac(VHT40)_HCH_5230MHz_Ant1_NTNV



802.11ac(VHT40)_LCH_5755MHz_Ant1_NTNV



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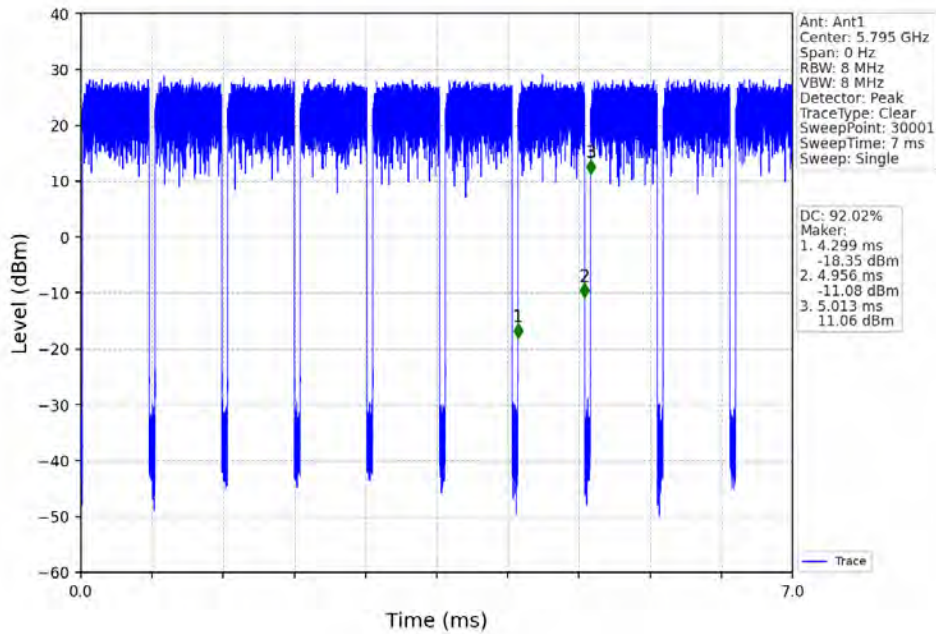
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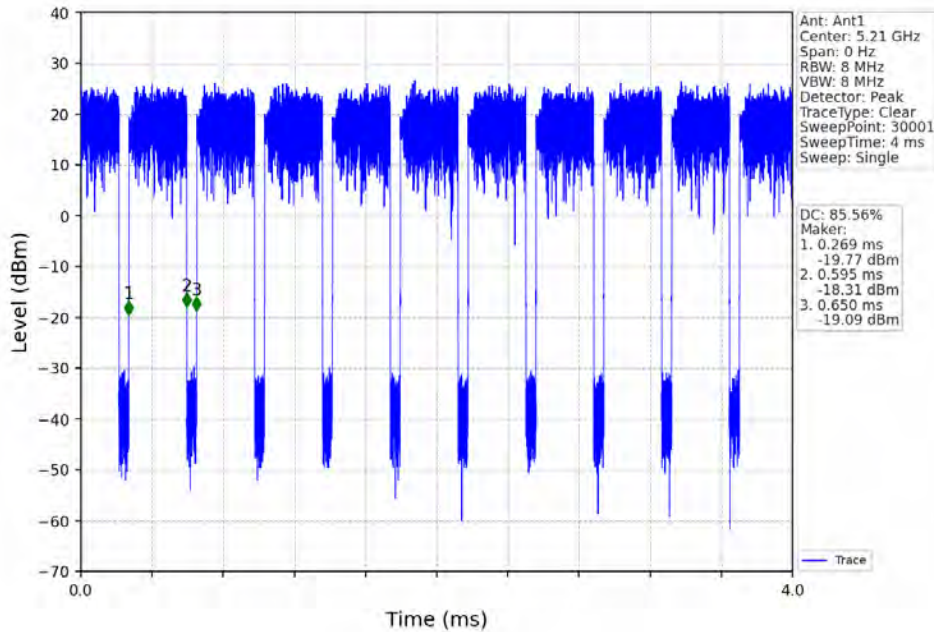
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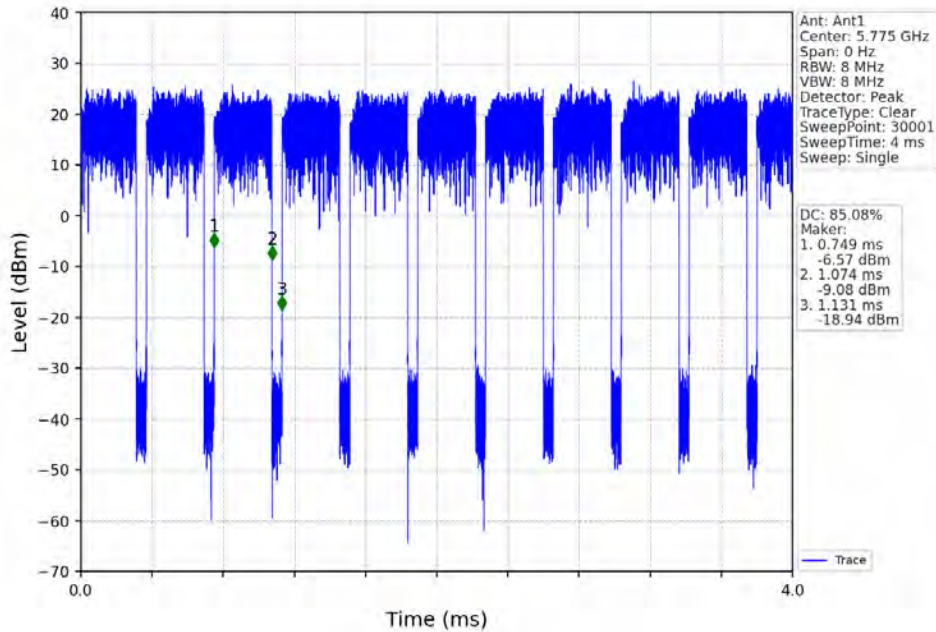
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802.11ac(VHT80)_MCH_5775MHz_Ant1_NTNV



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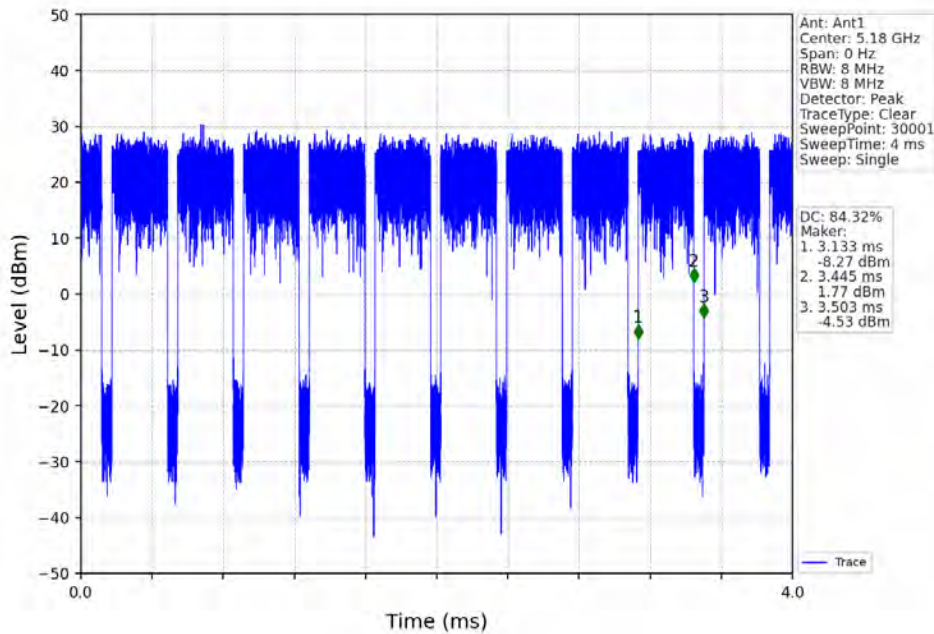
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802.11ax(HEW20)_LCH_5180MHz_RU242_Left_Ant1_NTNV



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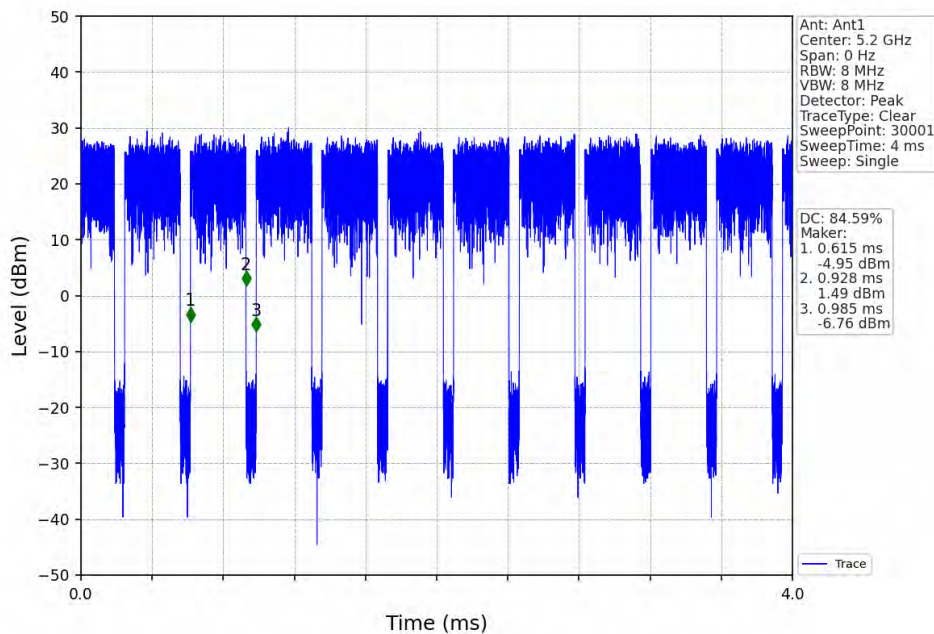
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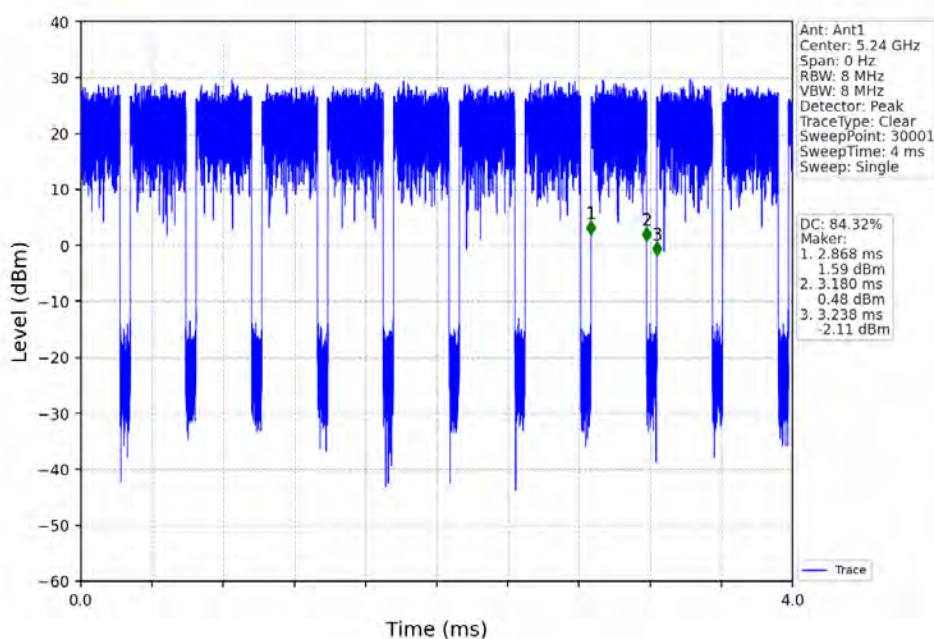
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802.11ax(HEW20)_MCH_5200MHz_RU242_Left_Ant1_NTNV



802.11ax(HEW20)_HCH_5240MHz_RU242_Left_Ant1_NTNV



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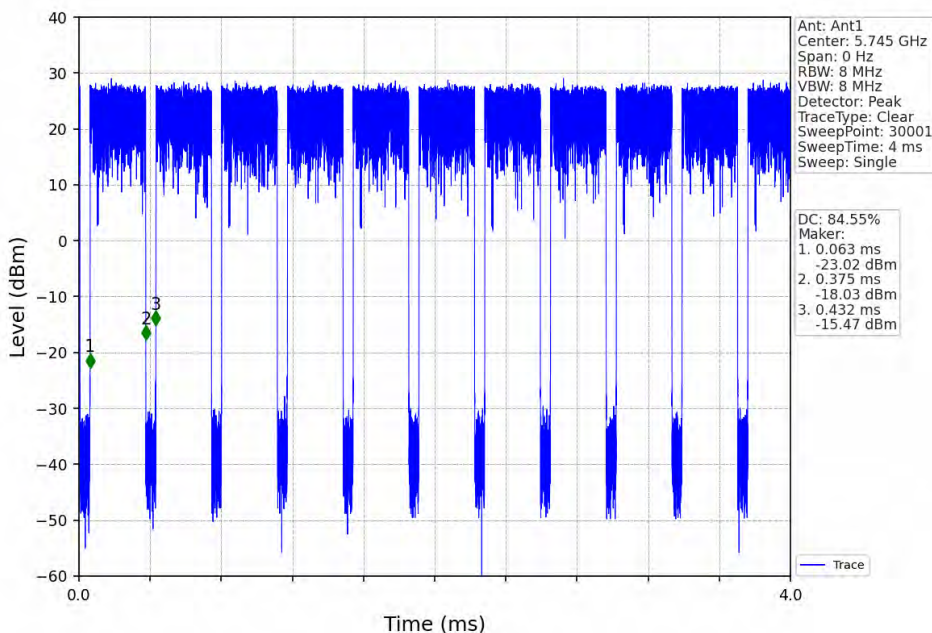
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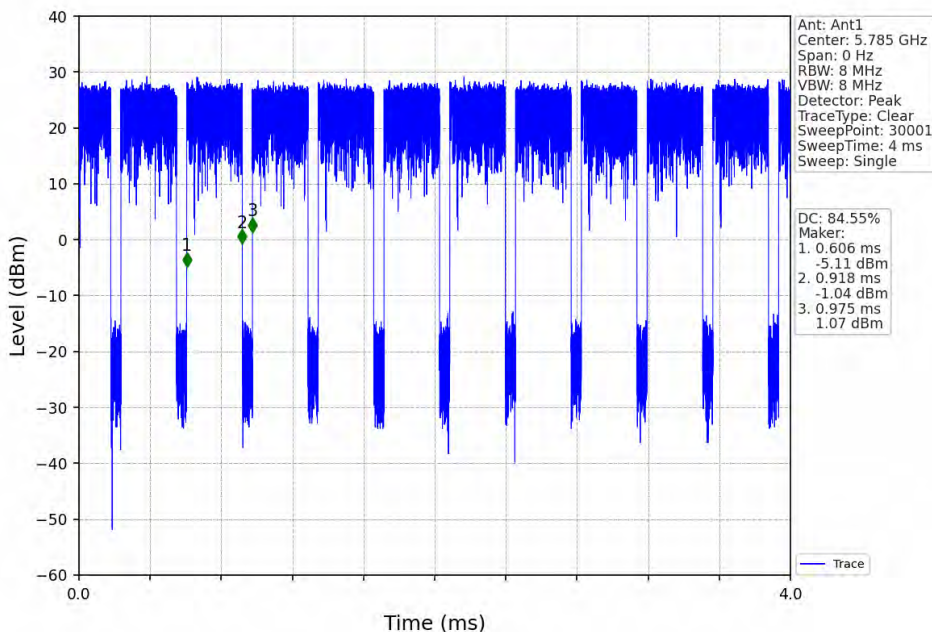
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802.11ax(HEW20)_LCH_5745MHz_RU242_Left_Ant1_NTNV



802.11ax(HEW20)_MCH_5785MHz_RU242_Left_Ant1_NTNV



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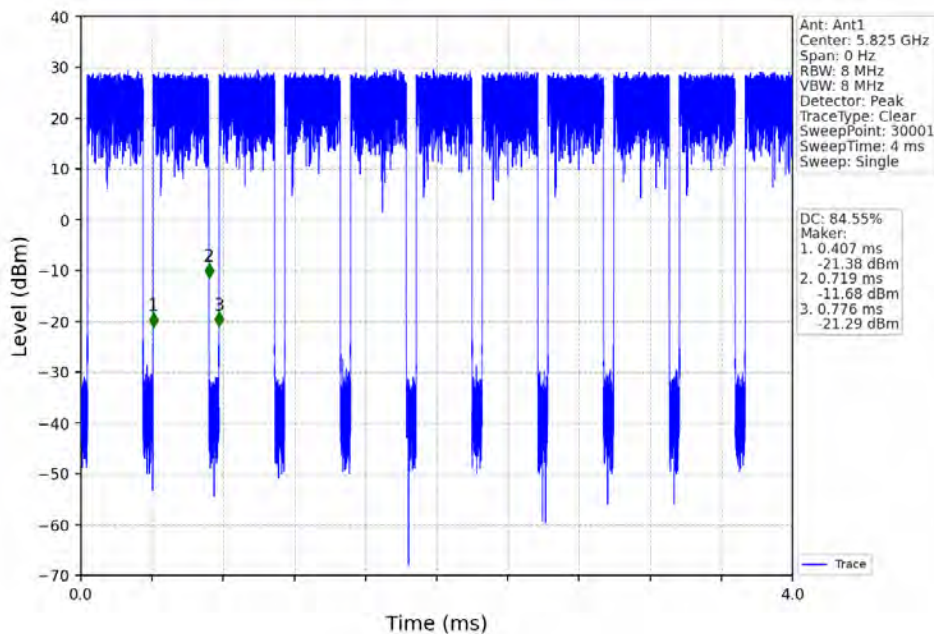
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802.11ax(HEW20)_HCH_5825MHz_RU242_Left_Ant1_NTNV



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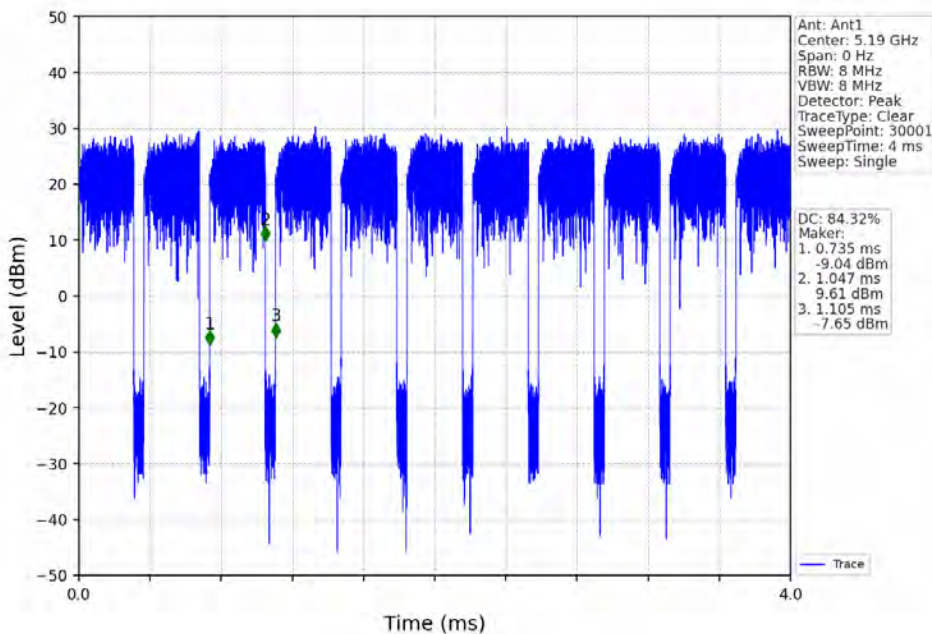
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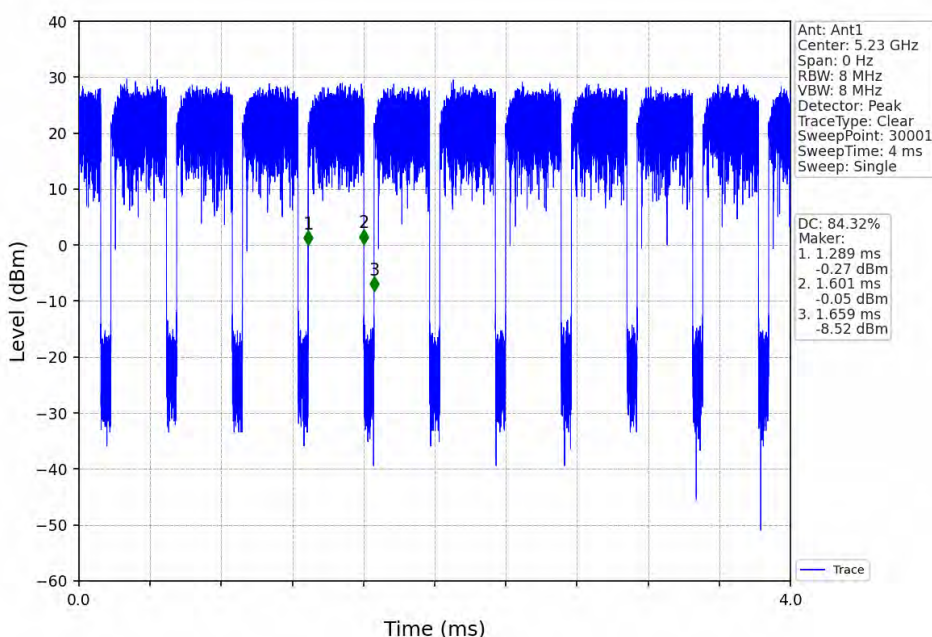
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802.11ax(HEW40)_LCH_5190MHz_RU484_Left_Ant1_NTNV



802.11ax(HEW40)_HCH_5230MHz_RU484_Left_Ant1_NTNV



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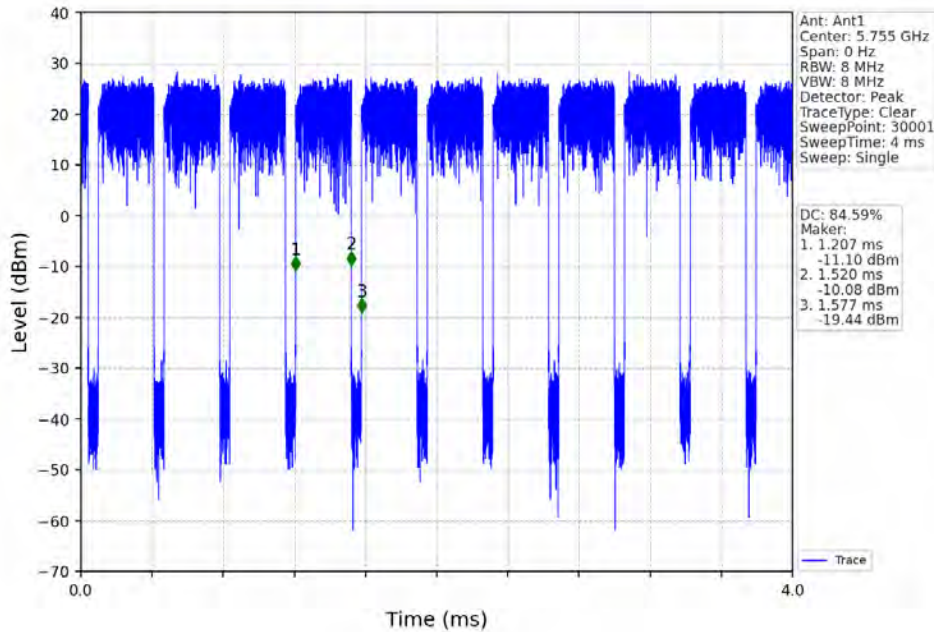
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802.11ax(HEW40)_LCH_5755MHz_RU484_Left_Ant1_NTNV



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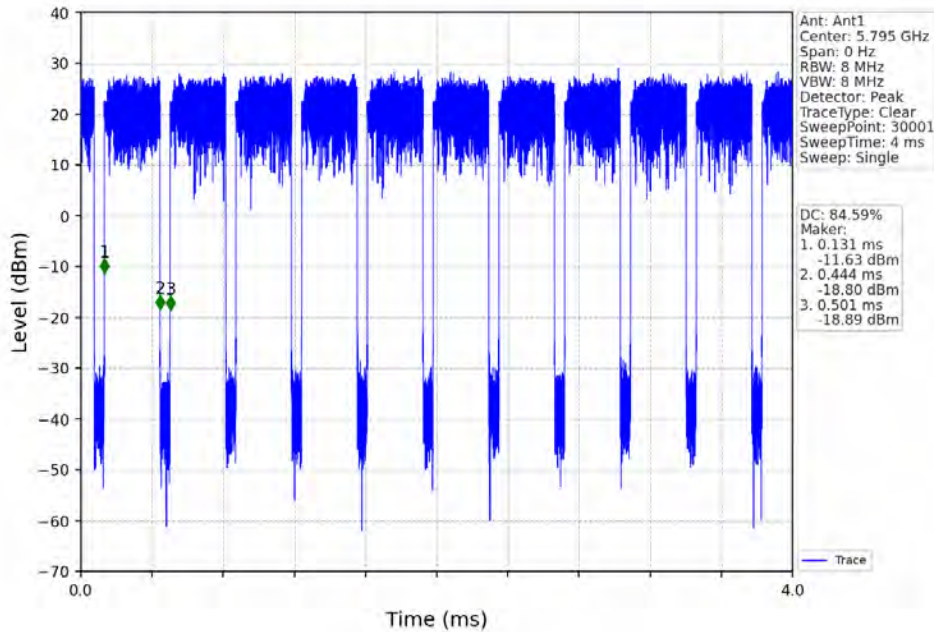
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802.11ax(HEW40)_HCH_5795MHz_RU484_Left_Ant1_NTNV



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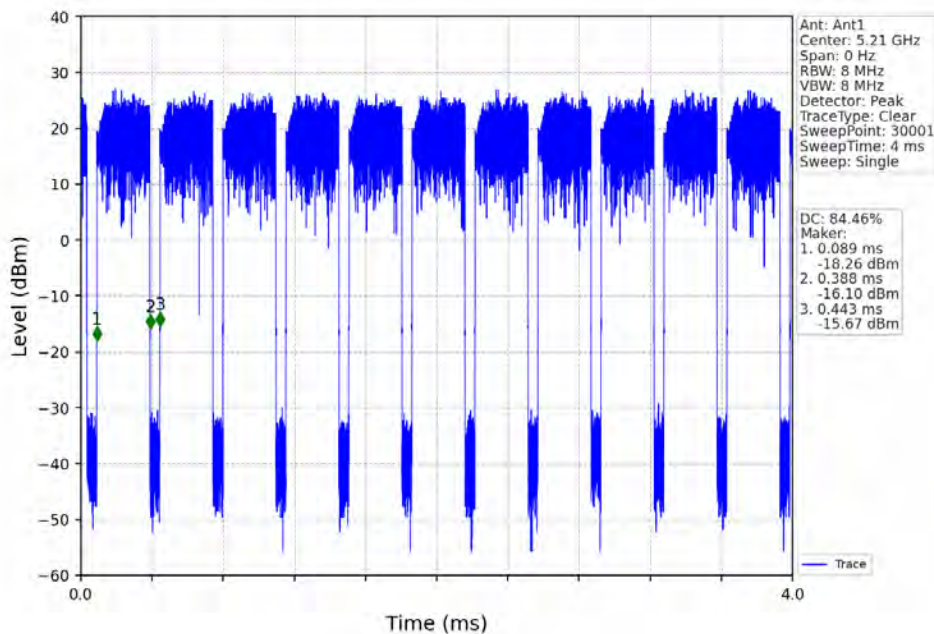
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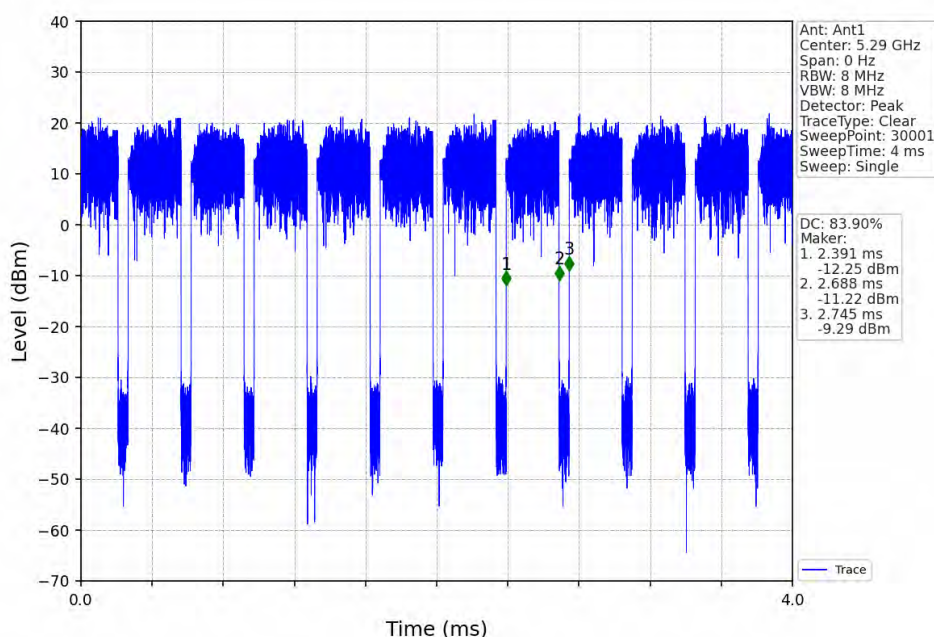
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802.11ax(HEW80)_MCH_5210MHz_RU996_Left_Ant1_NTNV



802.11ax(HEW80)_MCH_5290MHz_RU996_Left_Ant1_NTNV



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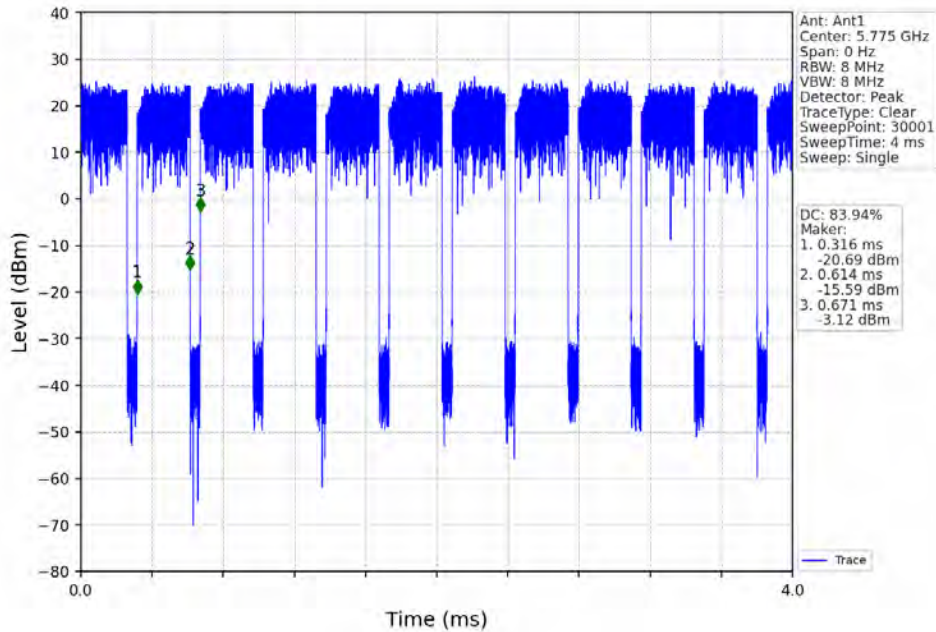
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802.11ax(HEW80)_MCH_5775MHz_RU996_Left_Ant1_NTNV



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10.1.2 Bandwidth

10.1.2.1 2.1 OBW

10.1.2.1.1 2.1.1 Test Result

Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	99% Occupied Bandwidth (MHz)	Verdict
						Result	
802.11a	MIMO	5180	/	/	1	26.344	Pass
		5200	/	/	1	19.886	Pass
		5240	/	/	1	21.206	Pass
		5745	/	/	1	33.282	Pass
		5785	/	/	1	33.143	Pass
		5825	/	/	1	32.966	Pass
802.11n (HT20)	MIMO	5180	/	/	1	18.403	Pass
		5200	/	/	1	18.355	Pass
		5240	/	/	1	18.584	Pass
		5745	/	/	1	23.071	Pass
		5785	/	/	1	33.901	Pass
		5825	/	/	1	33.322	Pass
802.11n (HT40)	MIMO	5190	/	/	1	44.971	Pass
		5230	/	/	1	47.812	Pass
		5755	/	/	1	67.902	Pass
		5795	/	/	1	64.719	Pass
802.11ac (VHT20)	MIMO	5180	/	/	1	18.456	Pass
		5200	/	/	1	18.339	Pass
		5240	/	/	1	18.529	Pass
		5745	/	/	1	34.032	Pass
		5785	/	/	1	33.834	Pass
		5825	/	/	1	33.319	Pass
802.11ac (VHT40)	MIMO	5190	/	/	1	48.182	Pass
		5230	/	/	1	50.989	Pass
		5755	/	/	1	66.970	Pass
		5795	/	/	1	65.043	Pass
802.11ac (VHT80)	MIMO	5210	/	/	1	93.202	Pass
		5290	/	/	1	75.055	Pass
		5775	/	/	1	134.725	Pass
802.11ax (HEW20)	MIMO	5180	RU242	Left	1	19.820	Pass
		5200	RU242	Left	1	19.863	Pass
		5240	RU242	Left	1	19.290	Pass



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		5745	RU242	Left	1	34.287	Pass
		5785	RU242	Left	1	34.227	Pass
		5825	RU242	Left	1	33.527	Pass
802.11ax (HEW40)	MIMO	5190	RU484	Left	1	49.574	Pass
		5230	RU484	Left	1	50.831	Pass
		5755	RU484	Left	1	68.112	Pass
		5795	RU484	Left	1	65.774	Pass
802.11ax (HEW80)	MIMO	5210	RU996	Left	1	94.597	Pass
		5290	RU996	Left	1	76.995	Pass
		5775	RU996	Left	1	135.212	Pass



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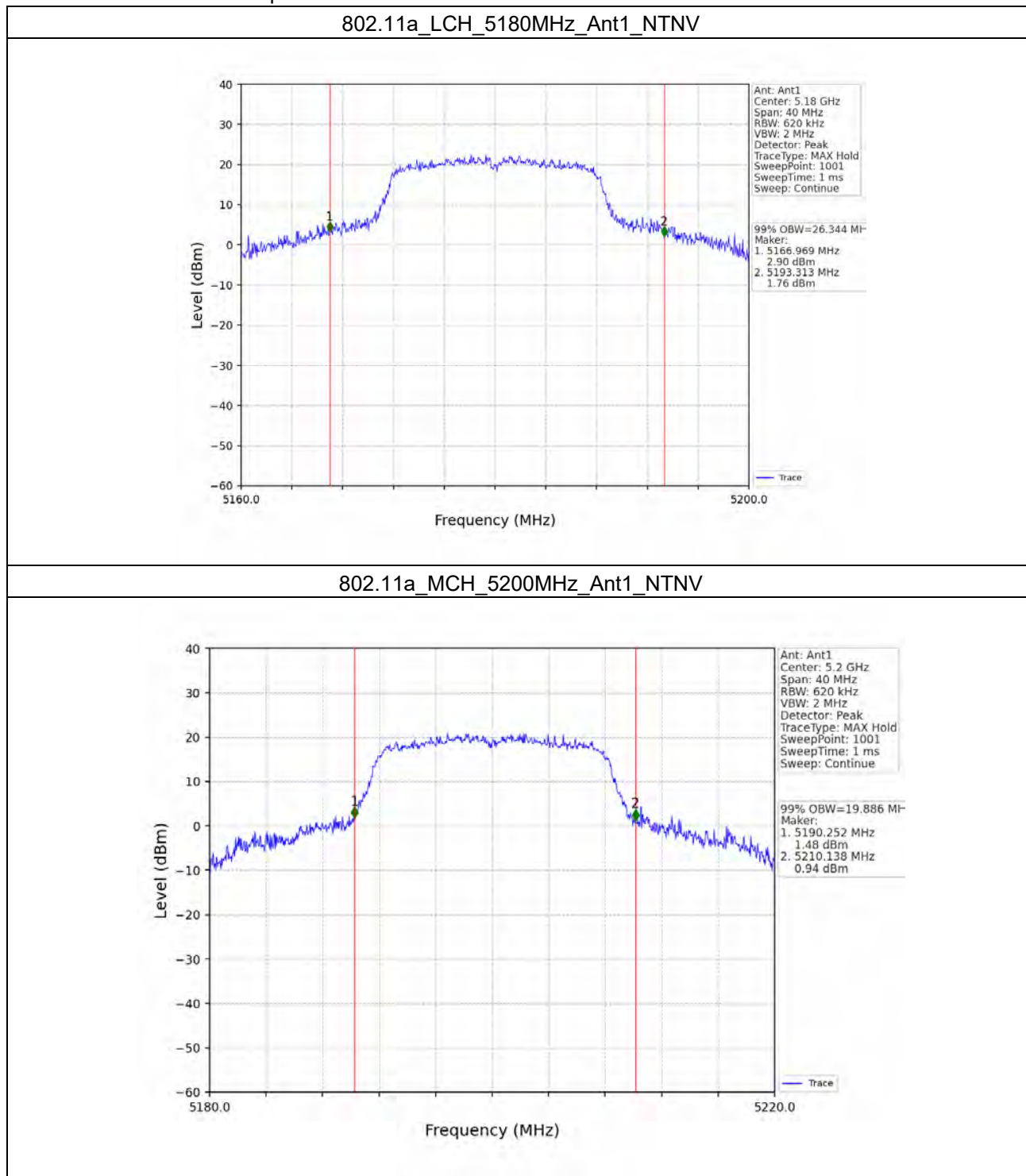
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10.1.2.1.1.1 Test Graph



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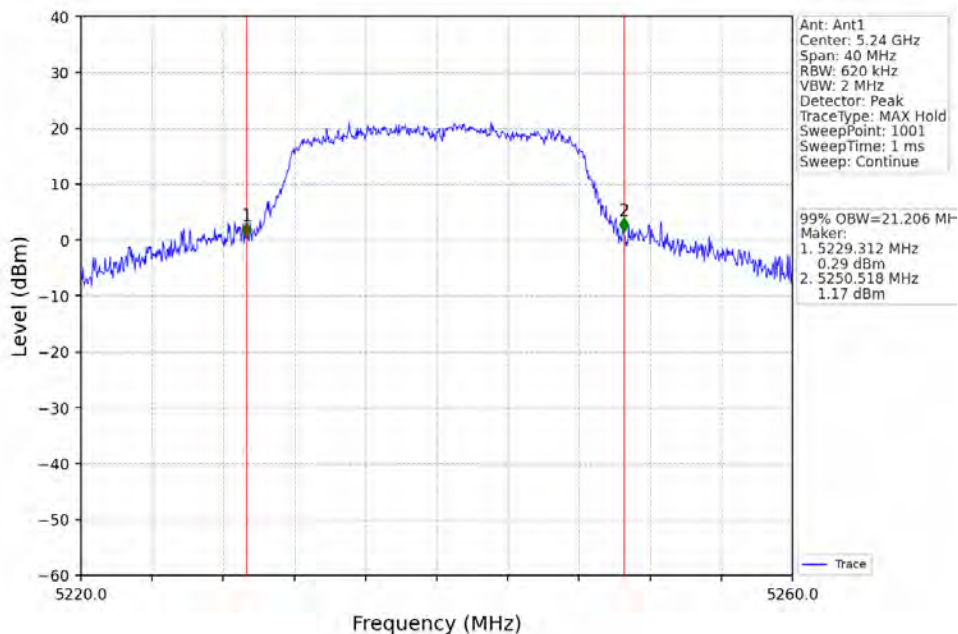
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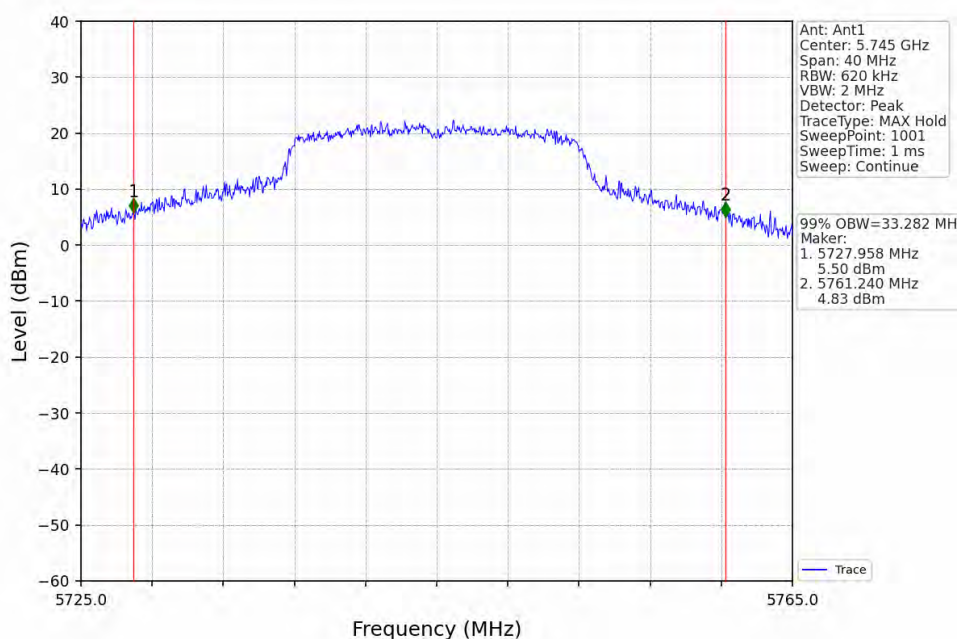
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802.11a_HCH_5240MHz_Ant1_NTNV



802.11a_LCH_5745MHz_Ant1_NTNV



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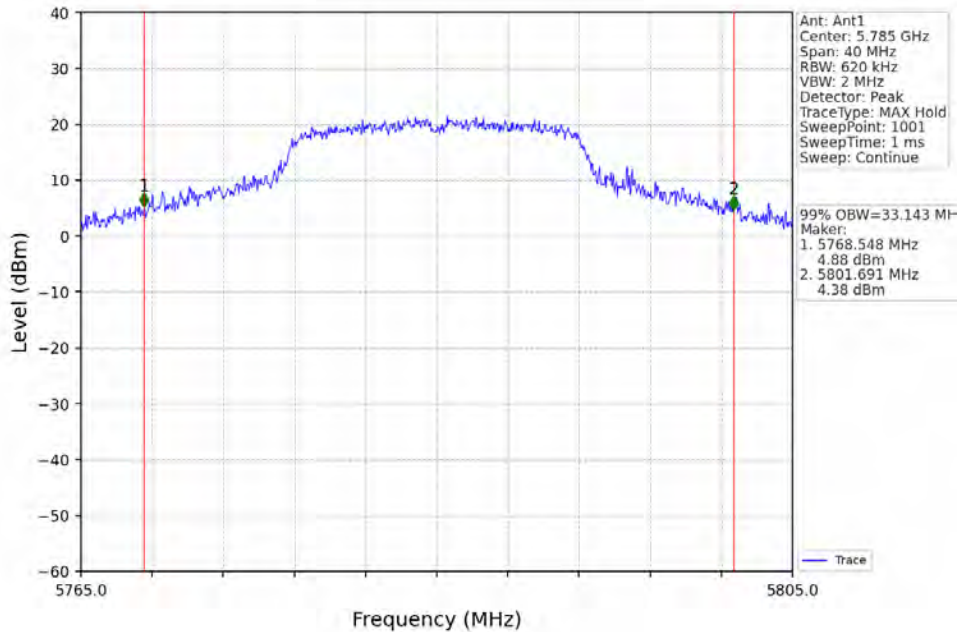
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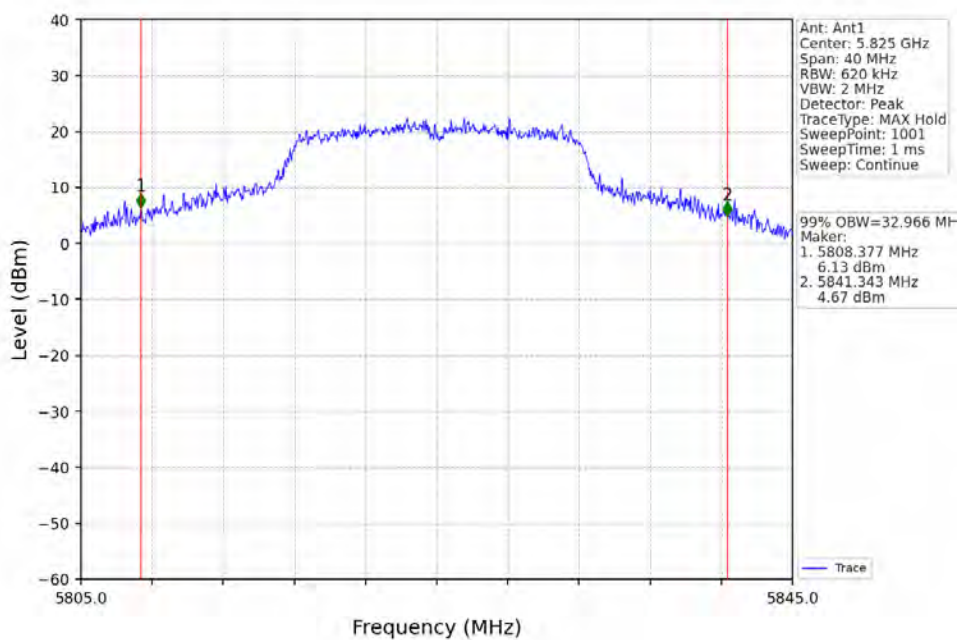
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802.11a_MCH_5785MHz_Ant1_NTNV



802.11a_HCH_5825MHz_Ant1_NTNV



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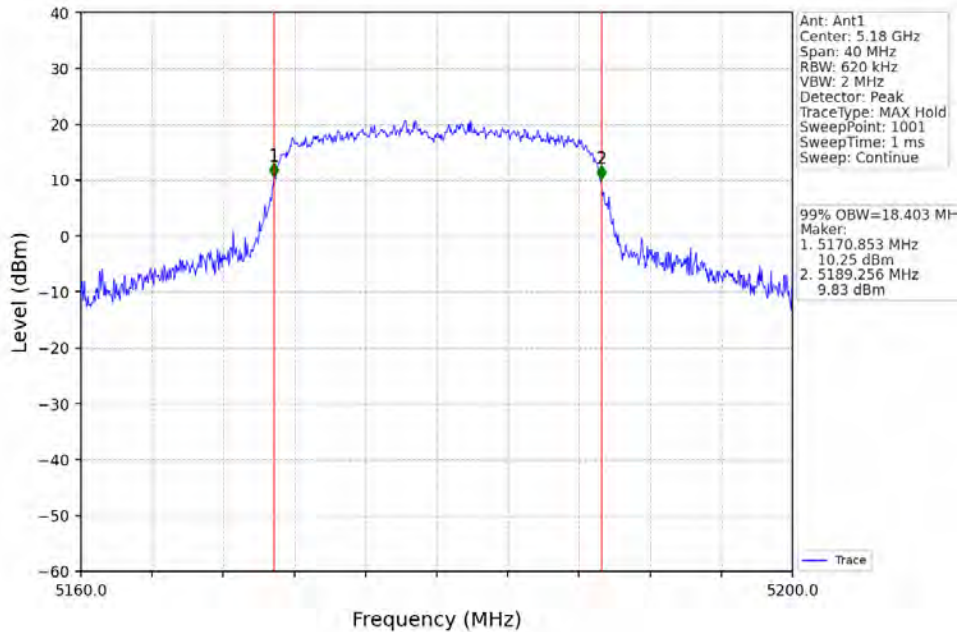
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802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



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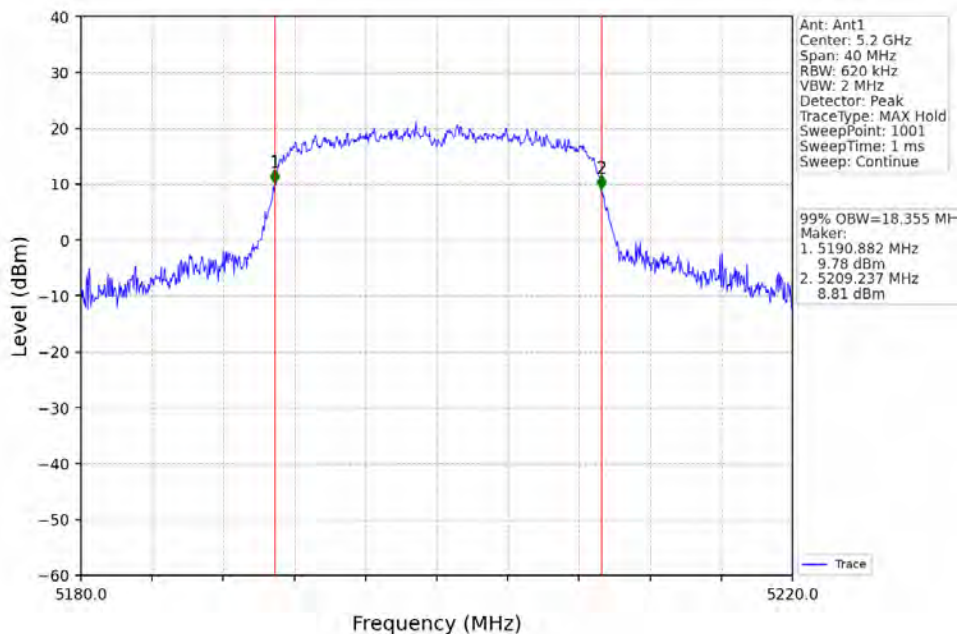
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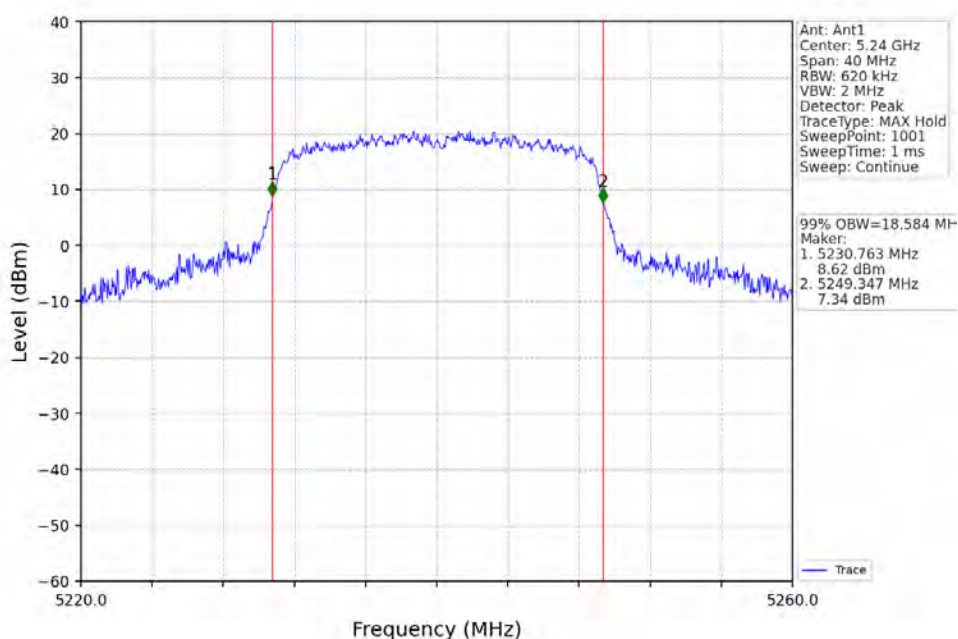
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802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



802.11n(HT20)_HCH_5240MHz_Ant1_NTNV



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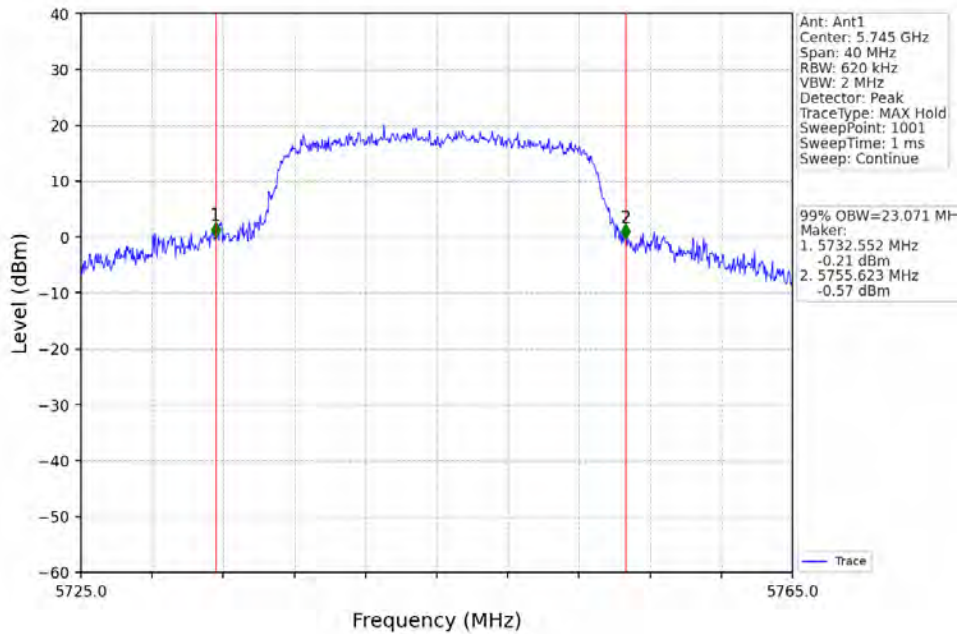
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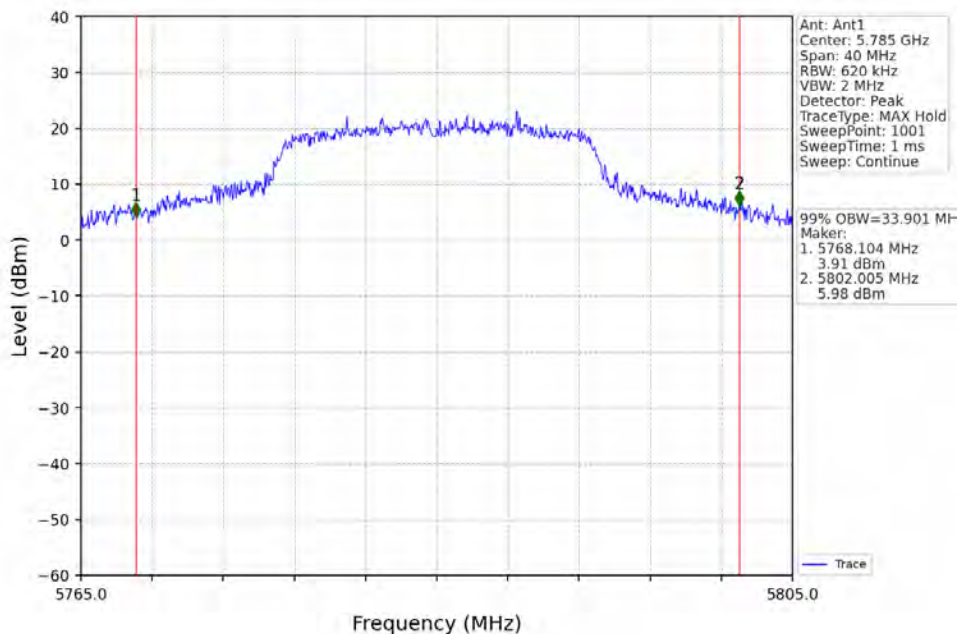
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802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



802.11n(HT20)_MCH_5785MHz_Ant1_NTNV



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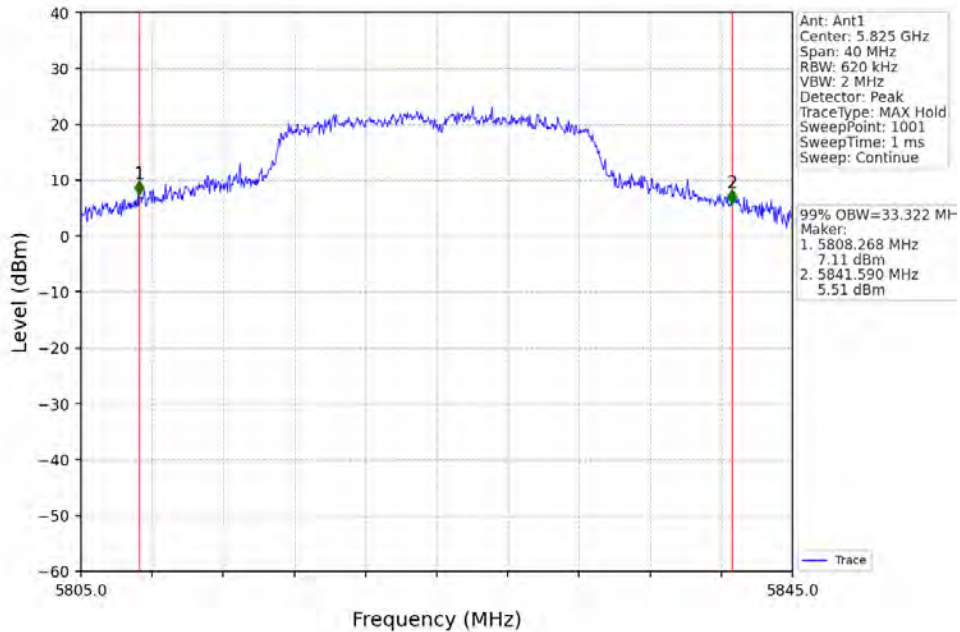
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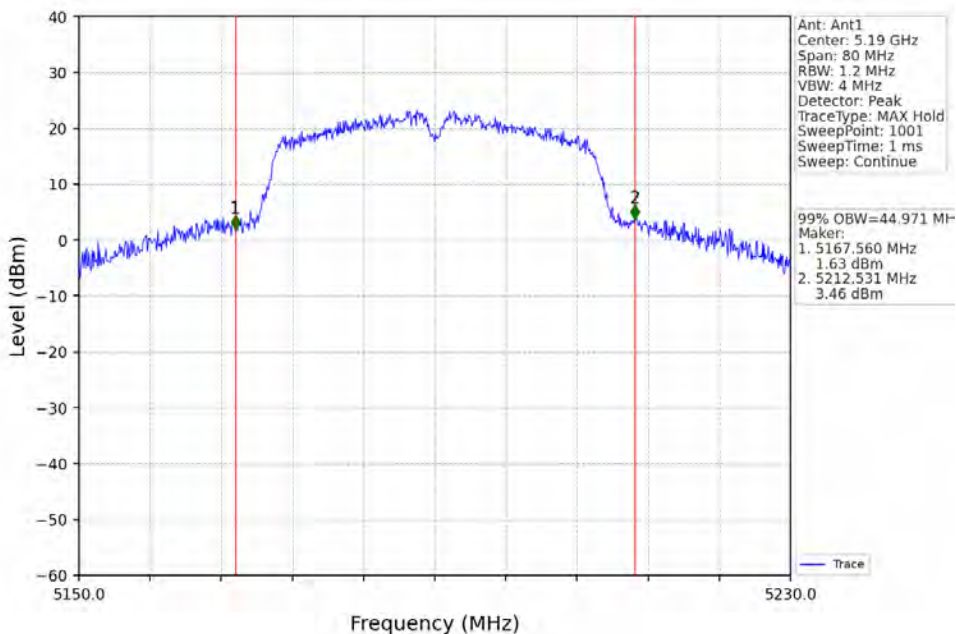
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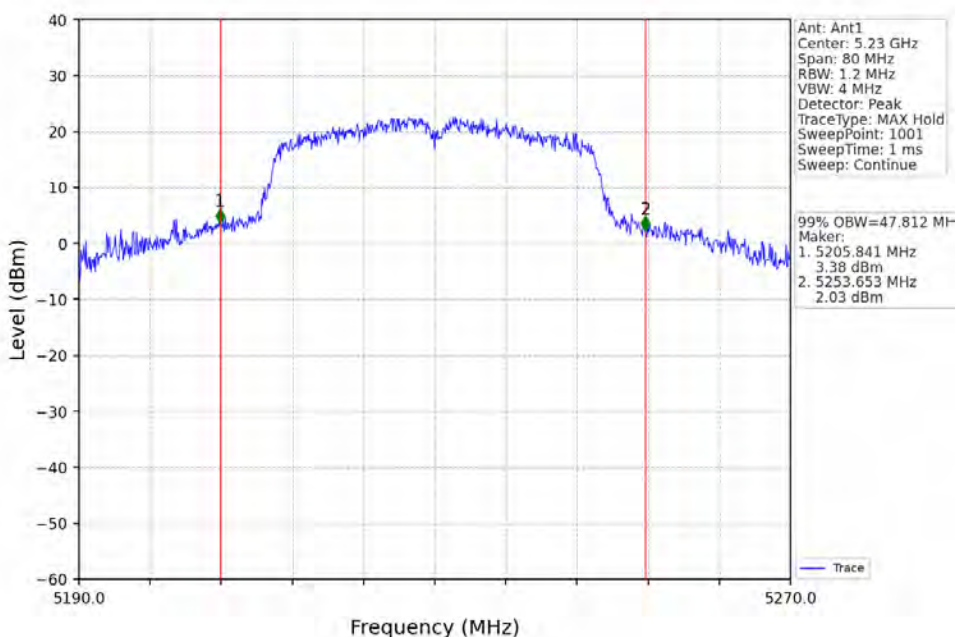
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802.11n(HT40)_LCH_5190MHz_Ant1_NTNV



802.11n(HT40)_HCH_5230MHz_Ant1_NTNV



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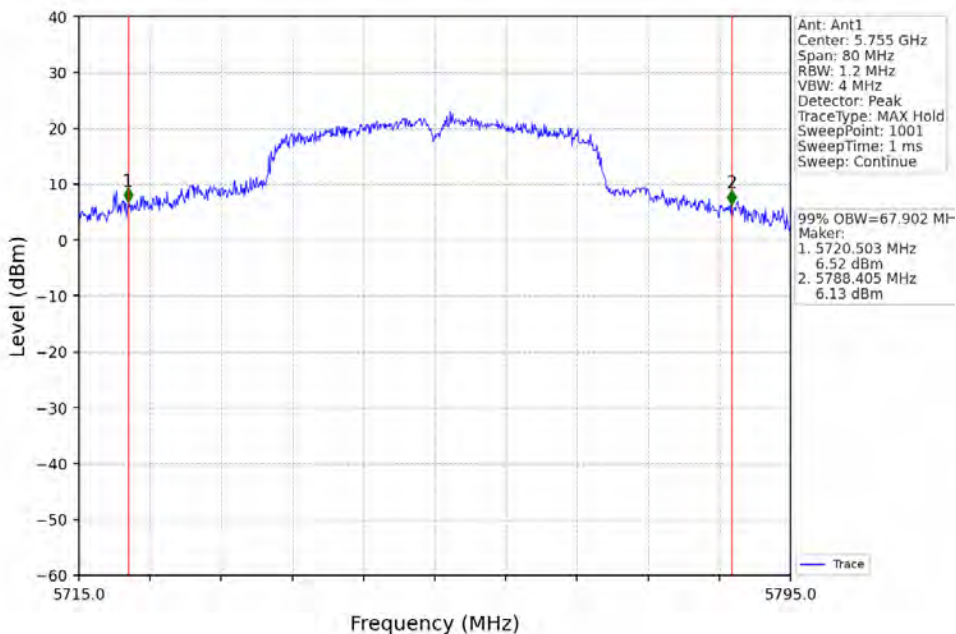
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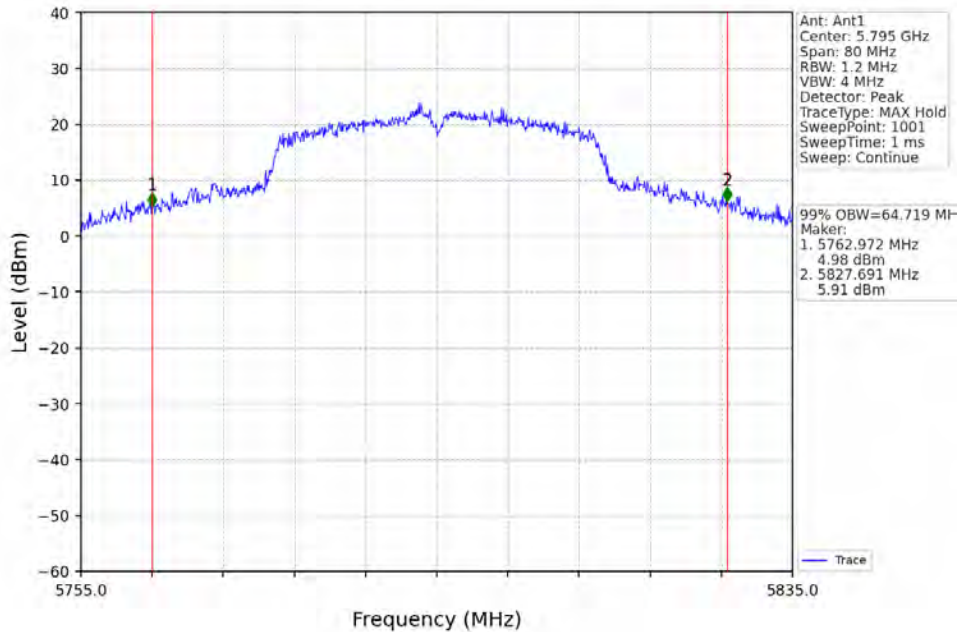
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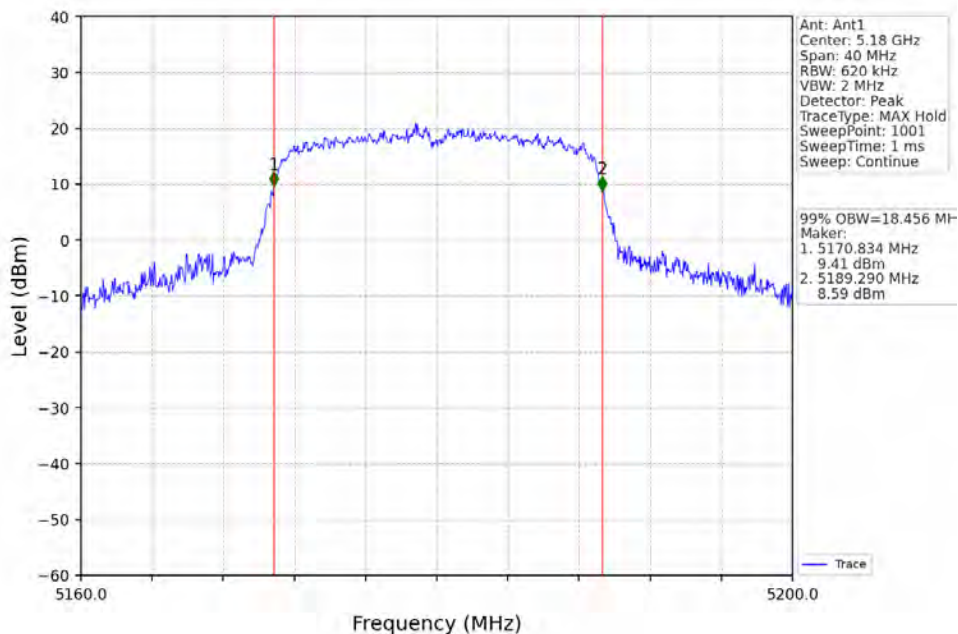
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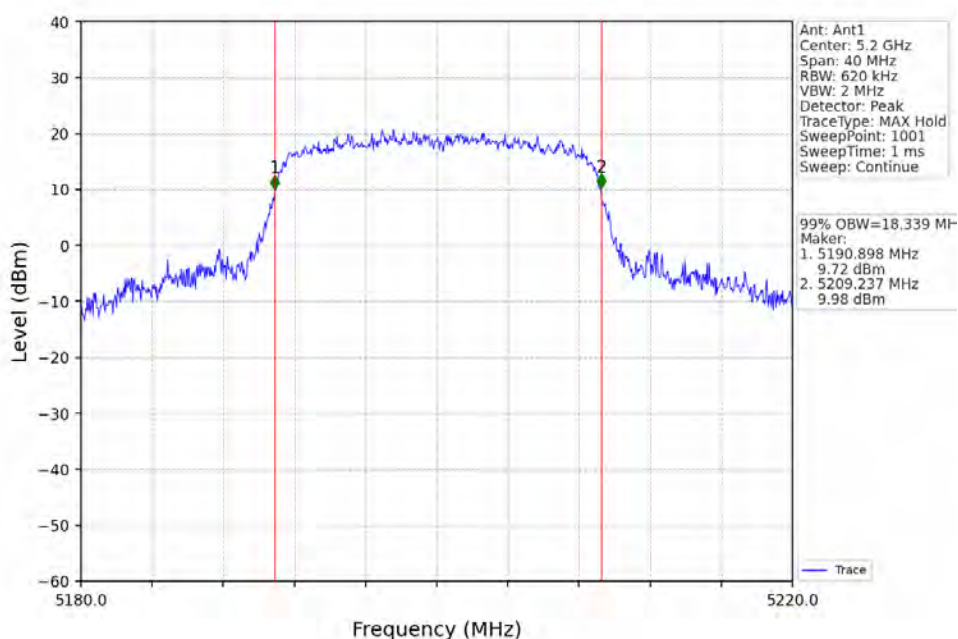
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802.11ac(VHT20)_LCH_5180MHz_Ant1_NTNV



802.11ac(VHT20)_MCH_5200MHz_Ant1_NTNV



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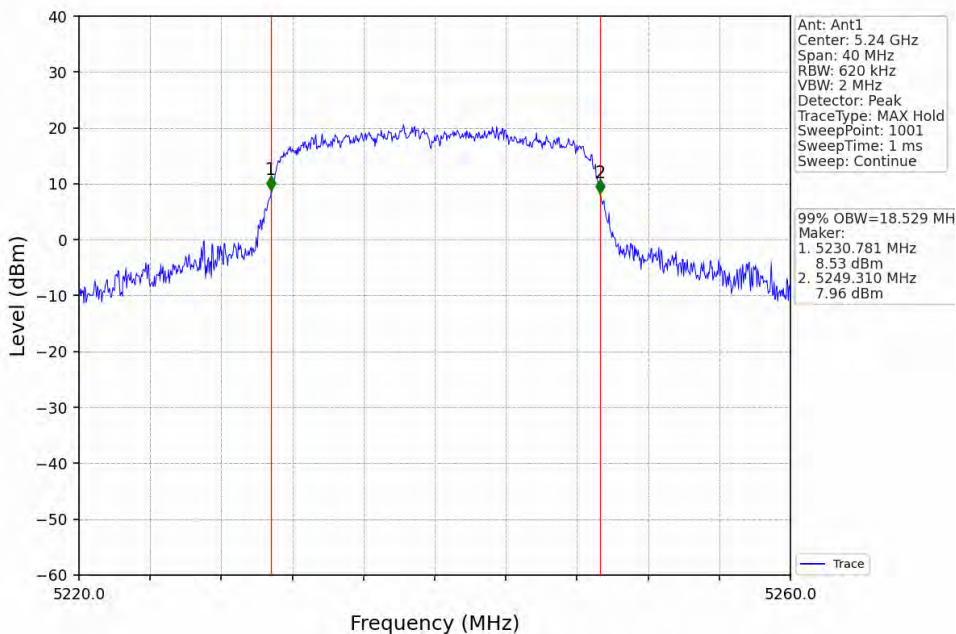
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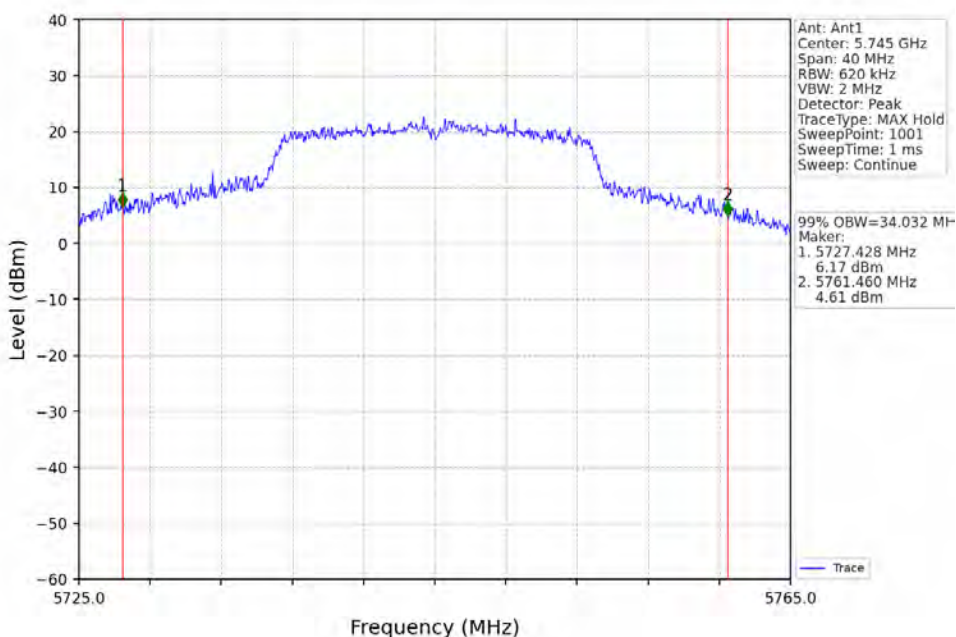
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802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV



802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV



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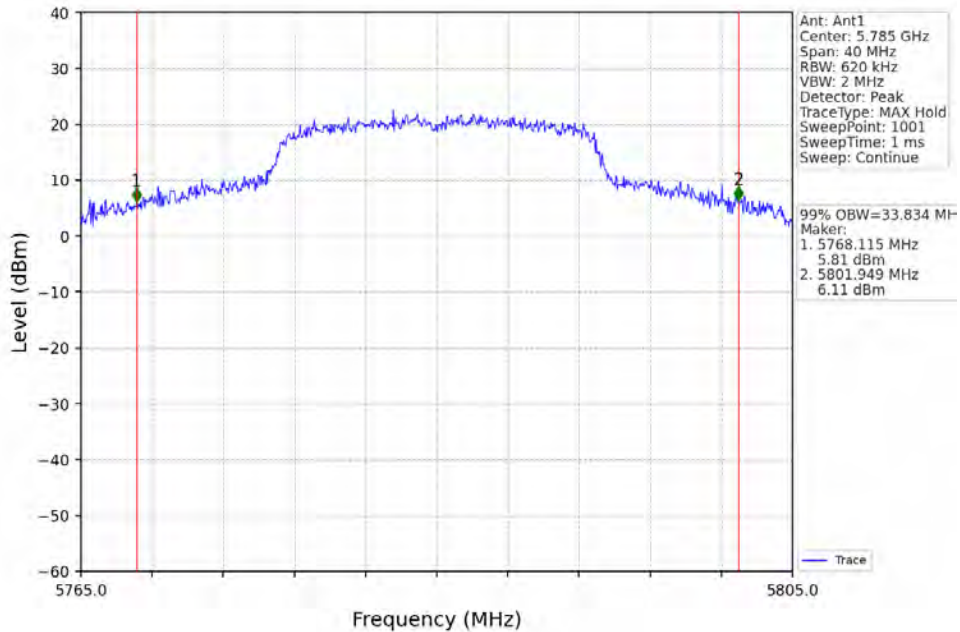
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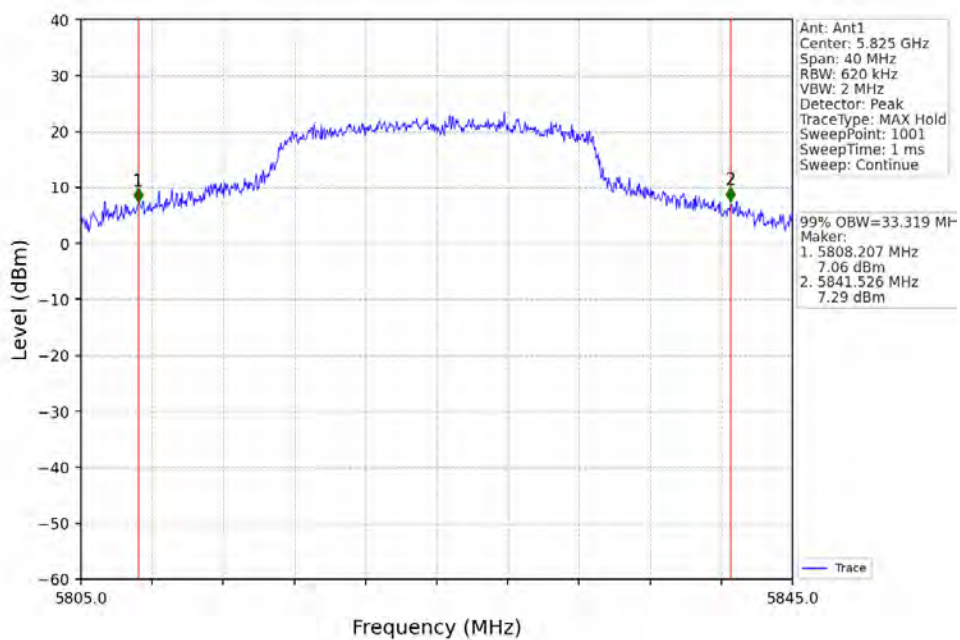
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802.11ac(VHT20)_MCH_5785MHz_Ant1_NTNV



802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV



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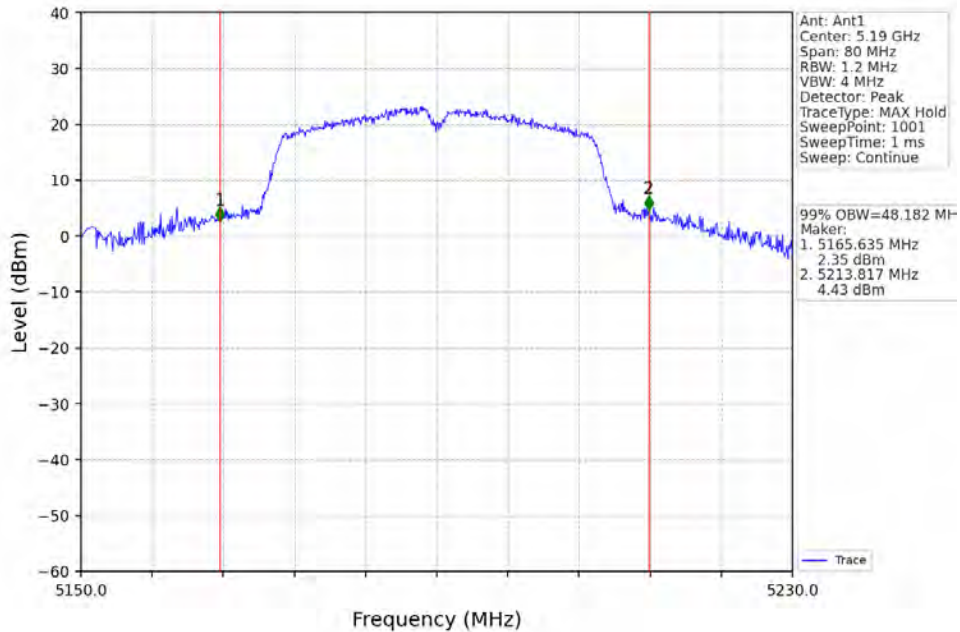
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802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV



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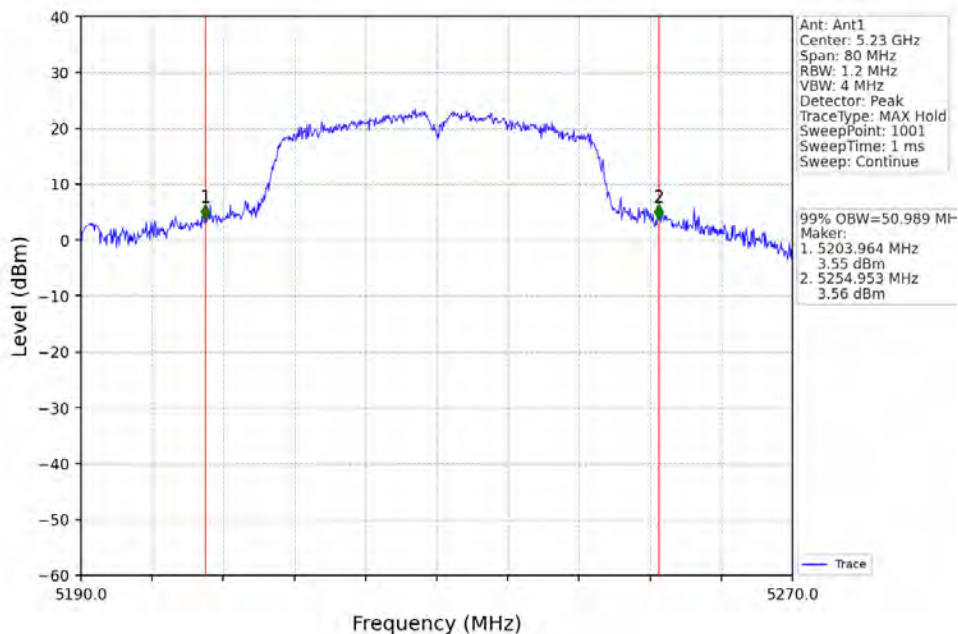
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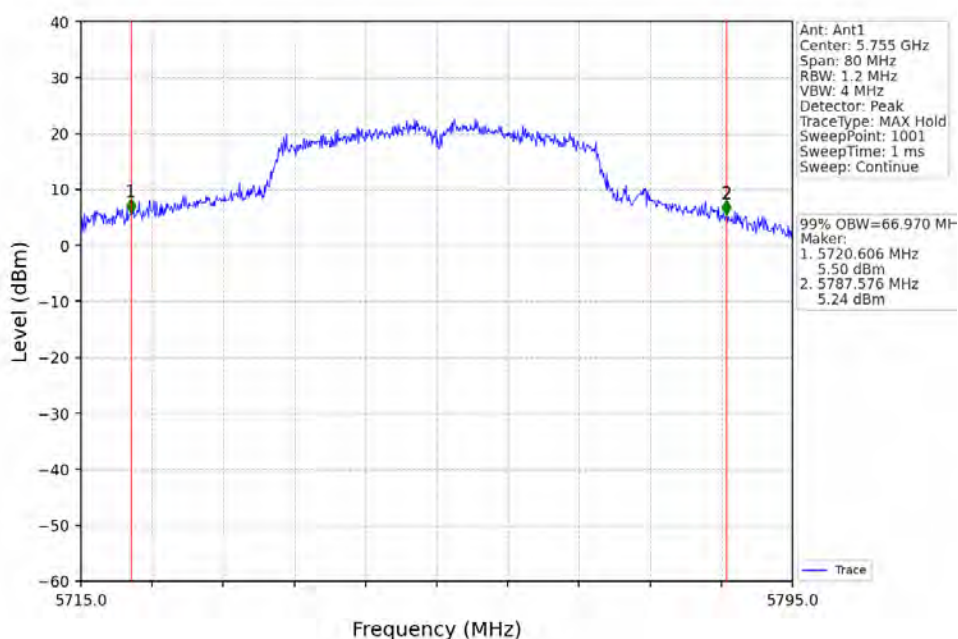
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802.11ac(VHT40)_HCH_5230MHz_Ant1_NTNV



802.11ac(VHT40)_LCH_5755MHz_Ant1_NTNV



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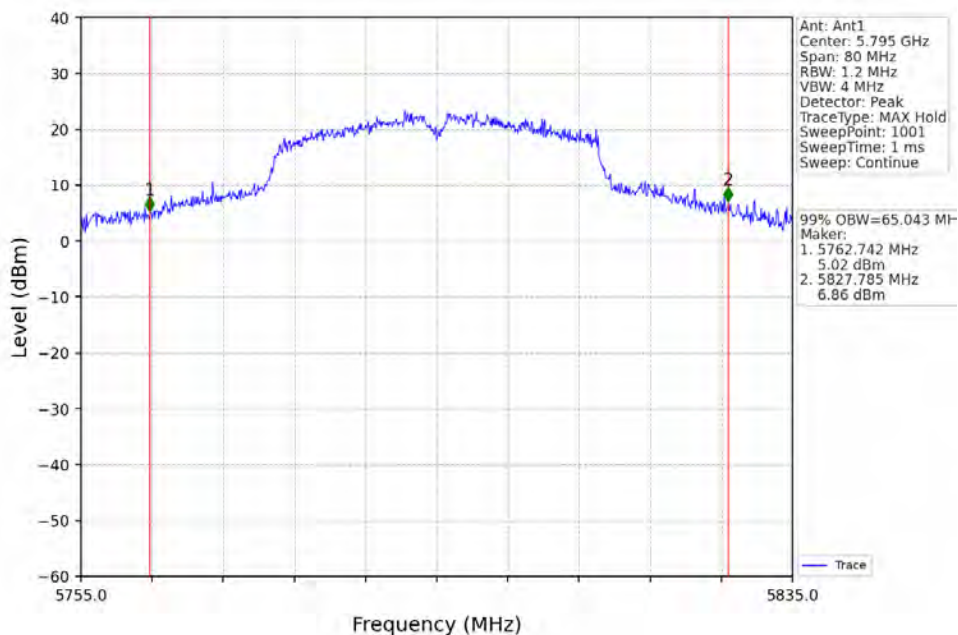
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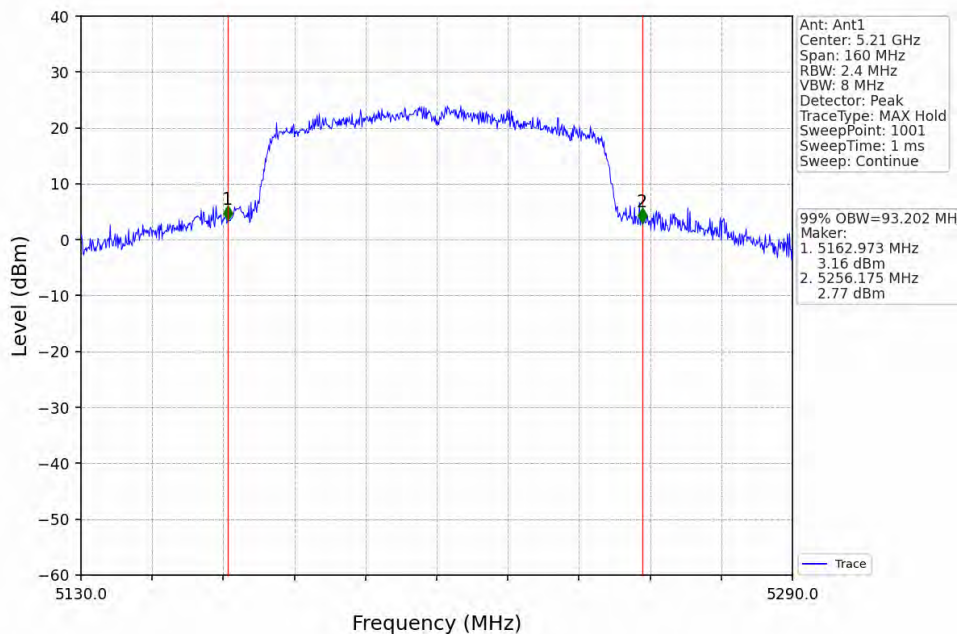
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802.11ac(VHT40)_HCH_5795MHz_Ant1_NTNV



802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV



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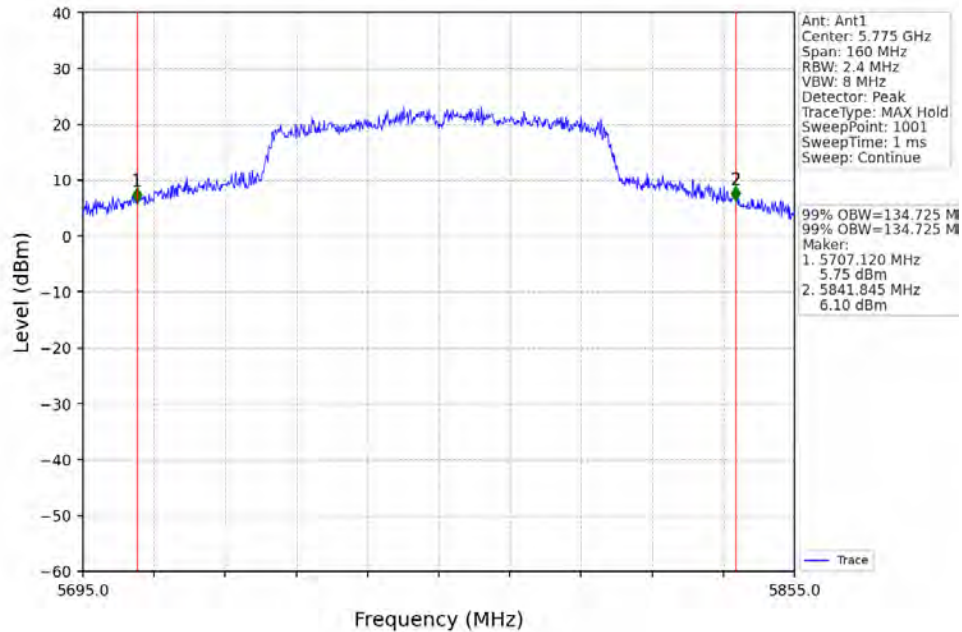
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802.11ac(VHT80)_MCH_5775MHz_Ant1_NTNV



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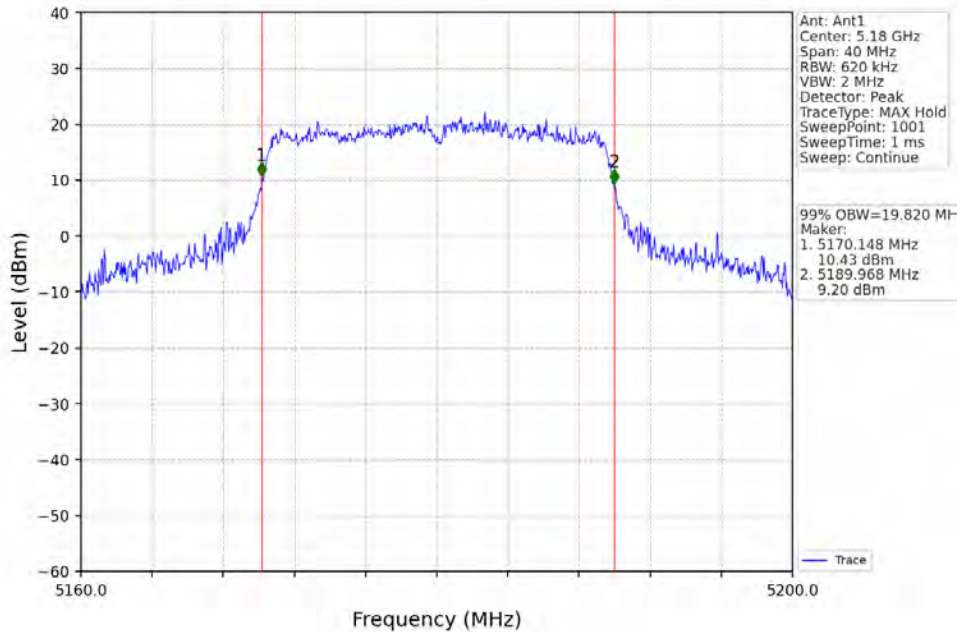
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802.11ax(HEW20)_LCH_5180MHz_RU242_Left_Ant1_NTNV



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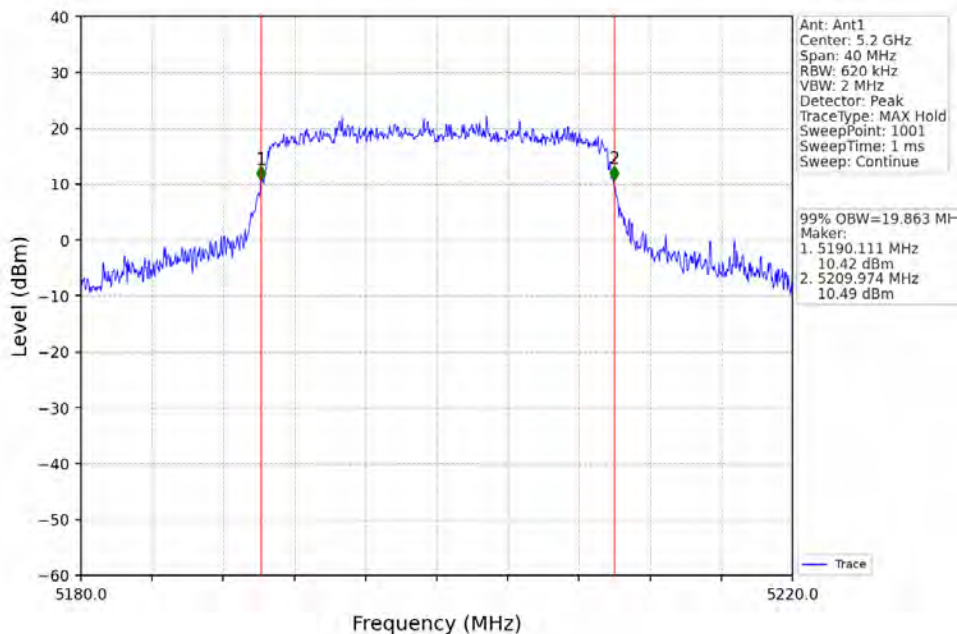
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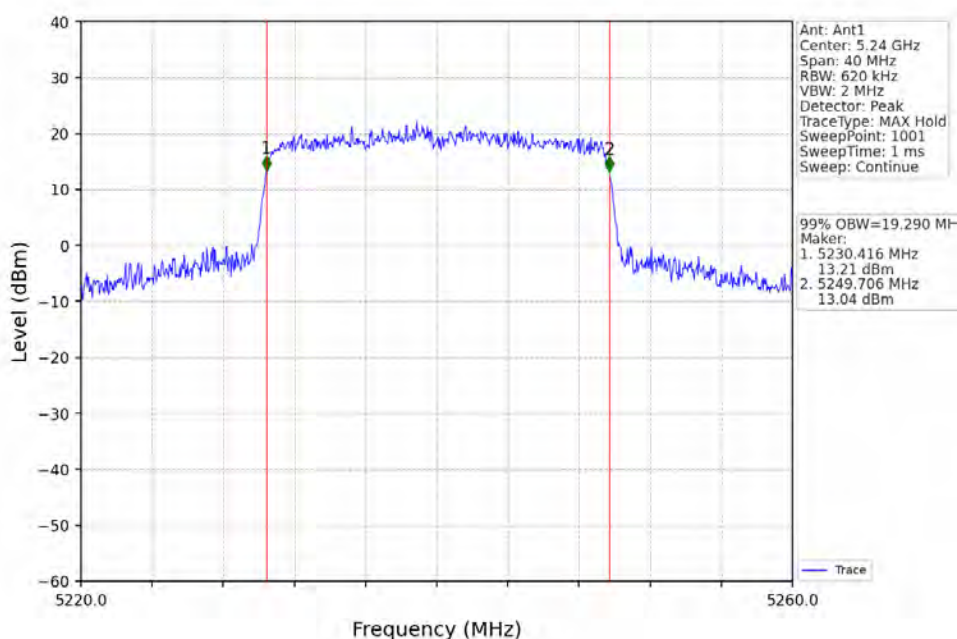
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802.11ax(HEW20)_MCH_5200MHz_RU242_Left_Ant1_NTNV



802.11ax(HEW20)_HCH_5240MHz_RU242_Left_Ant1_NTNV



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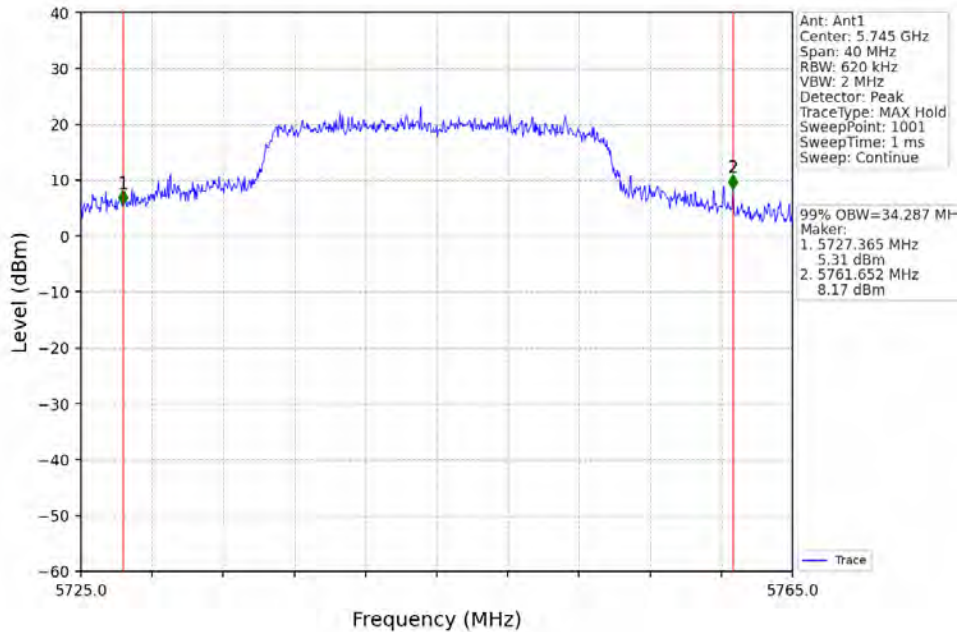
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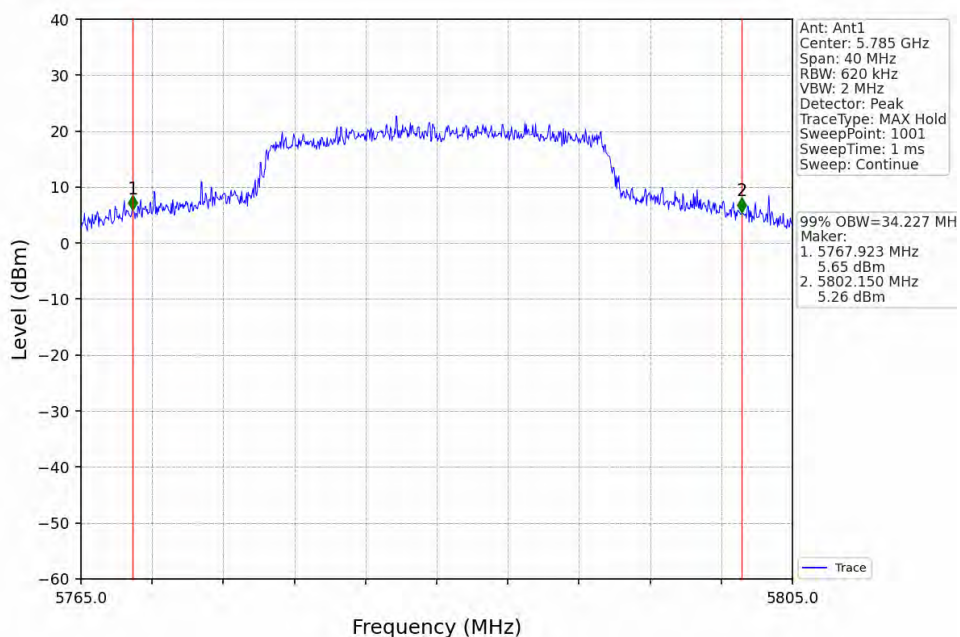
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802.11ax(HEW20)_LCH_5745MHz_RU242_Left_Ant1_NTNV



802.11ax(HEW20)_MCH_5785MHz_RU242_Left_Ant1_NTNV



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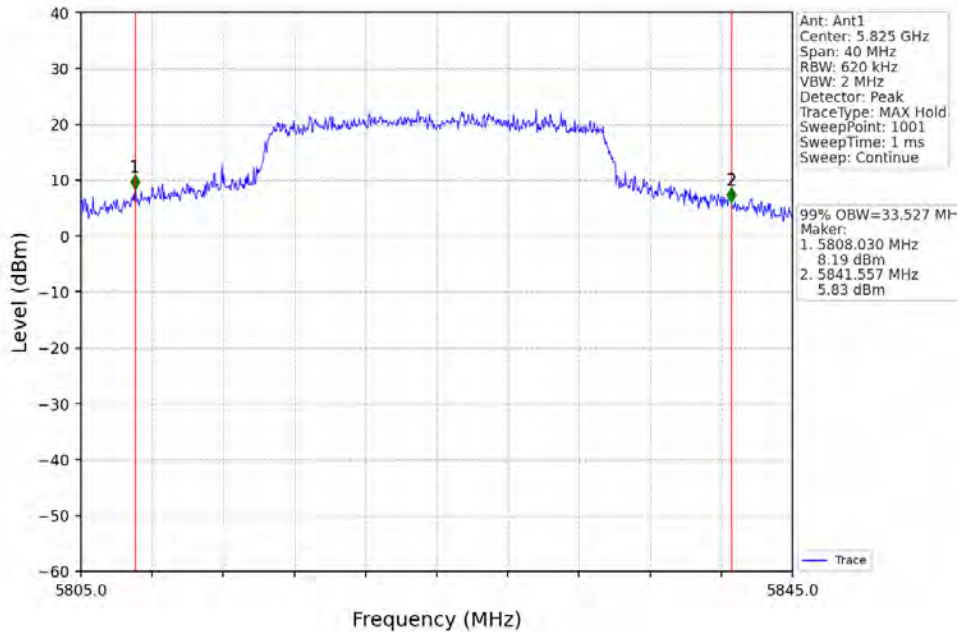
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802.11ax(HEW20)_HCH_5825MHz_RU242_Left_Ant1_NTNV



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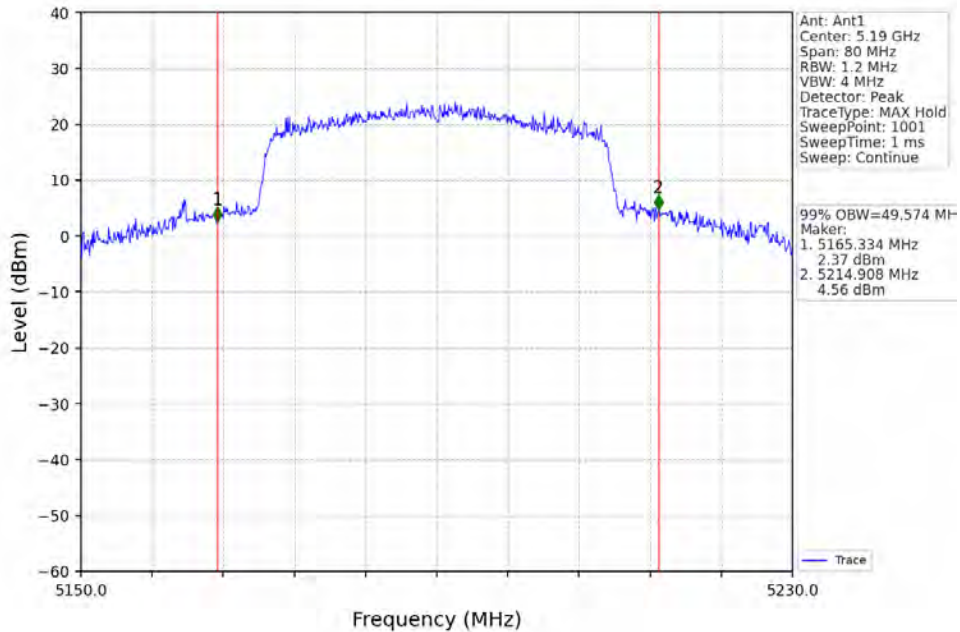
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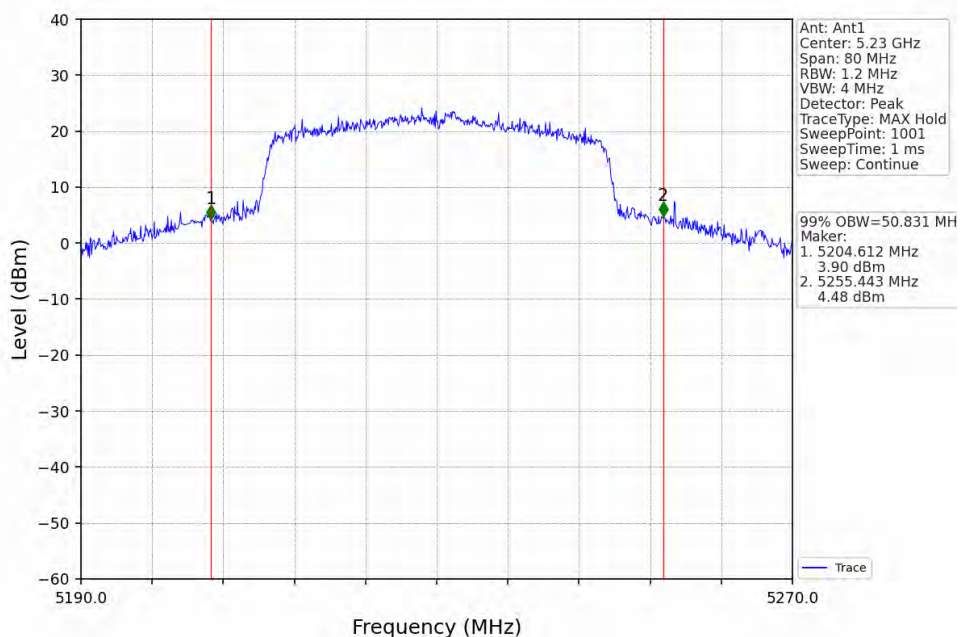
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802.11ax(HEW40)_HCH_5230MHz_RU484_Left_Ant1_NTNV



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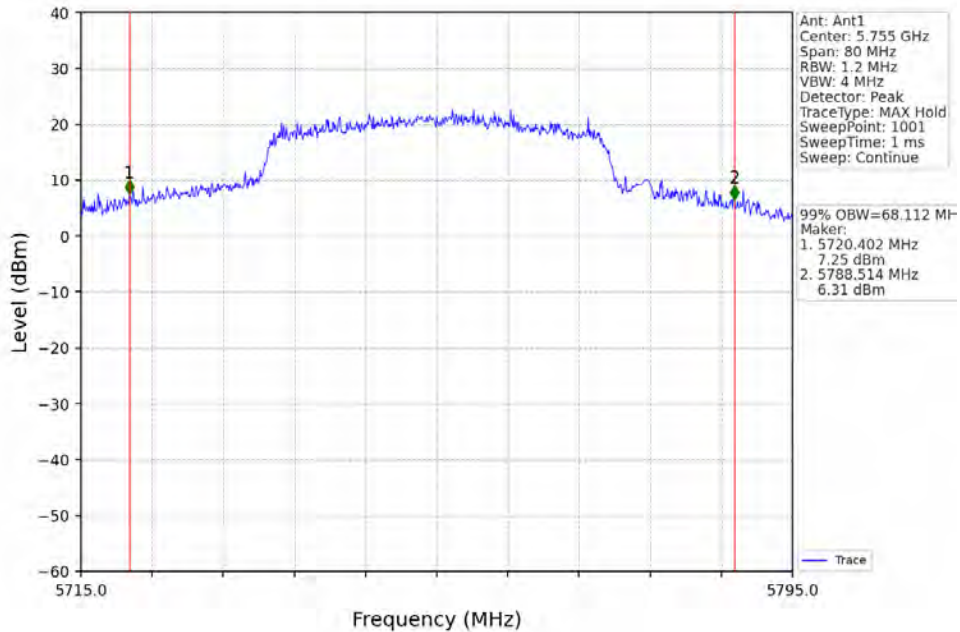
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802.11ax(HEW40)_LCH_5755MHz_RU484_Left_Ant1_NTNV



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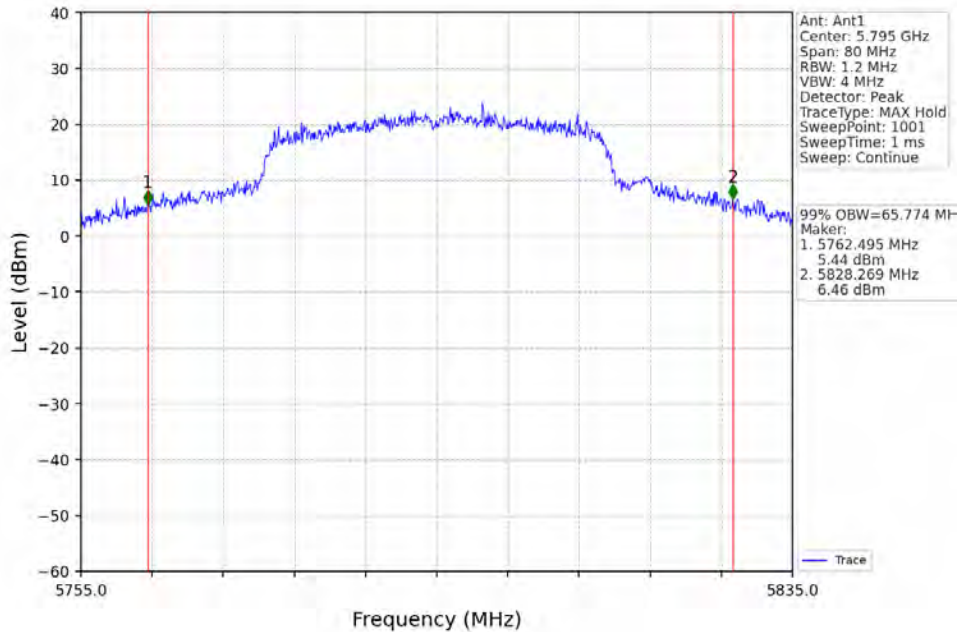
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802.11ax(HEW40)_HCH_5795MHz_RU484_Left_Ant1_NTNV



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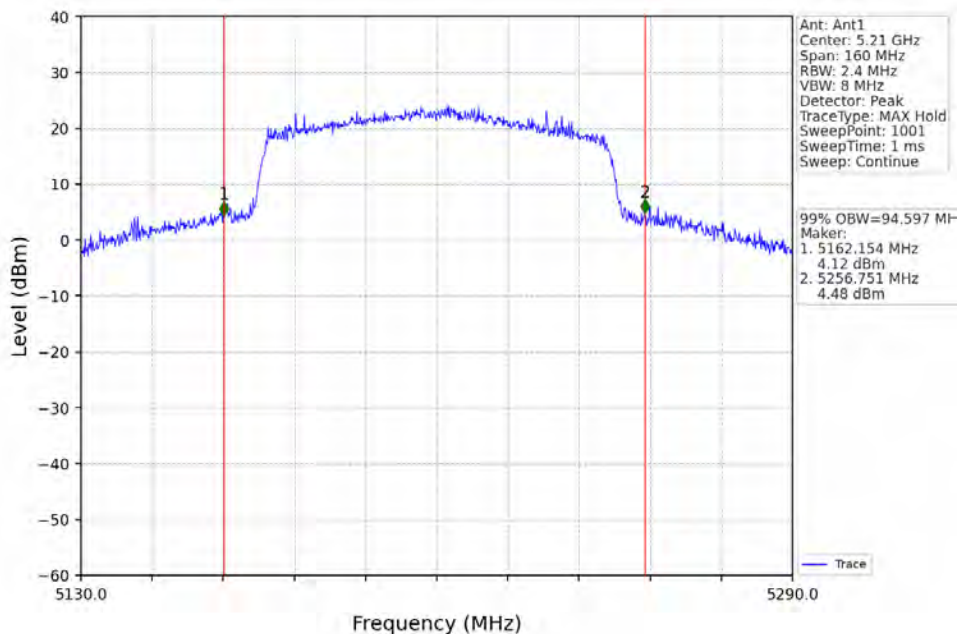
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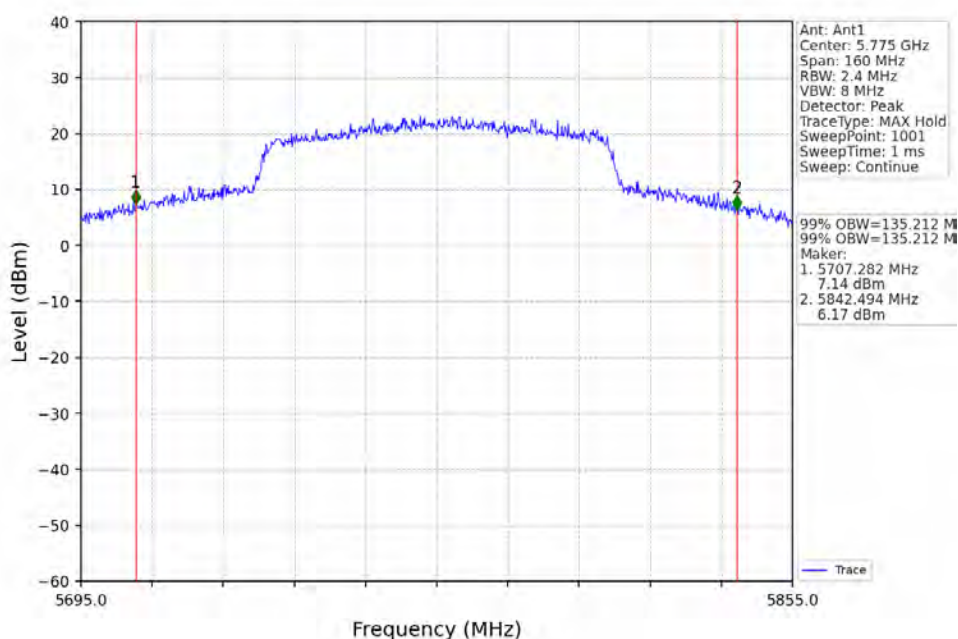
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802.11ax(HEW80)_MCH_5210MHz_RU996_Left_Ant1_NTNV



802.11ax(HEW80)_MCH_5775MHz_RU996_Left_Ant1_NTNV



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10.1.3 6dB BW

10.1.3.1 Test Result

Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	6dB Bandwidth (MHz)		Verdict
						Result	Limit	
802.11a	MIMO	5745	/	/	1	16.415	>=0.5	Pass
		5785	/	/	1	16.353	>=0.5	Pass
		5825	/	/	1	16.361	>=0.5	Pass
802.11n (HT20)	MIMO	5745	/	/	1	16.341	>=0.5	Pass
		5785	/	/	1	17.615	>=0.5	Pass
		5825	/	/	1	17.625	>=0.5	Pass
802.11n (HT40)	MIMO	5755	/	/	1	30.090	>=0.5	Pass
		5795	/	/	1	32.558	>=0.5	Pass
802.11ac (VHT20)	MIMO	5745	/	/	1	17.625	>=0.5	Pass
		5785	/	/	1	17.644	>=0.5	Pass
		5825	/	/	1	17.573	>=0.5	Pass
802.11ac (VHT40)	MIMO	5755	/	/	1	30.058	>=0.5	Pass
		5795	/	/	1	28.413	>=0.5	Pass
802.11ac (VHT80)	MIMO	5775	/	/	1	62.616	>=0.5	Pass
802.11ax (HEW20)	MIMO	5745	RU242	Left	1	18.321	>=0.5	Pass
		5785	RU242	Left	1	18.031	>=0.5	Pass
		5825	RU242	Left	1	18.942	>=0.5	Pass
802.11ax (HEW40)	MIMO	5755	RU484	Left	1	34.461	>=0.5	Pass
		5795	RU484	Left	1	31.876	>=0.5	Pass
802.11ax (HEW80)	MIMO	5775	RU996	Left	1	62.613	>=0.5	Pass



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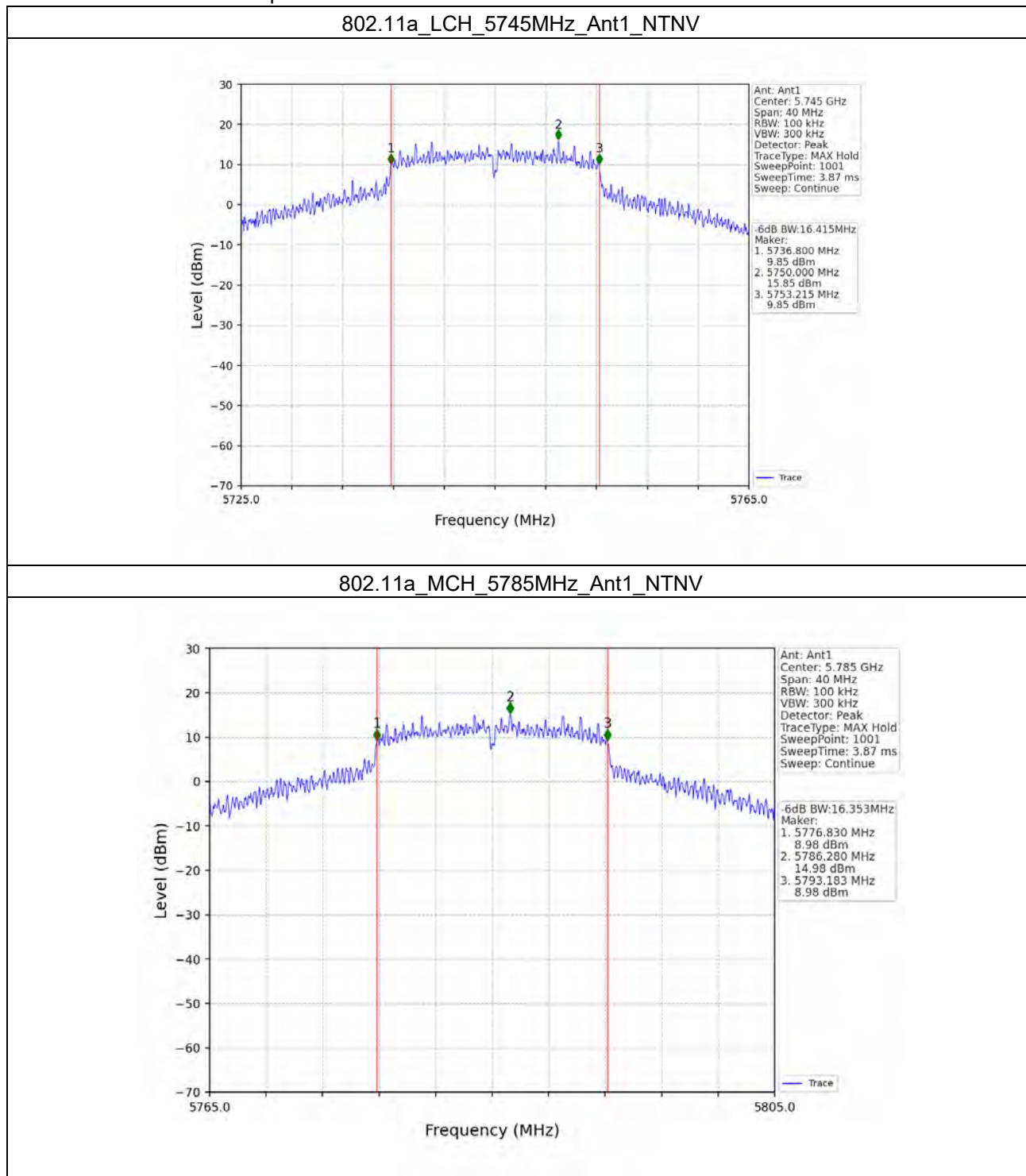
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10.1.3.1.1 Test Graph



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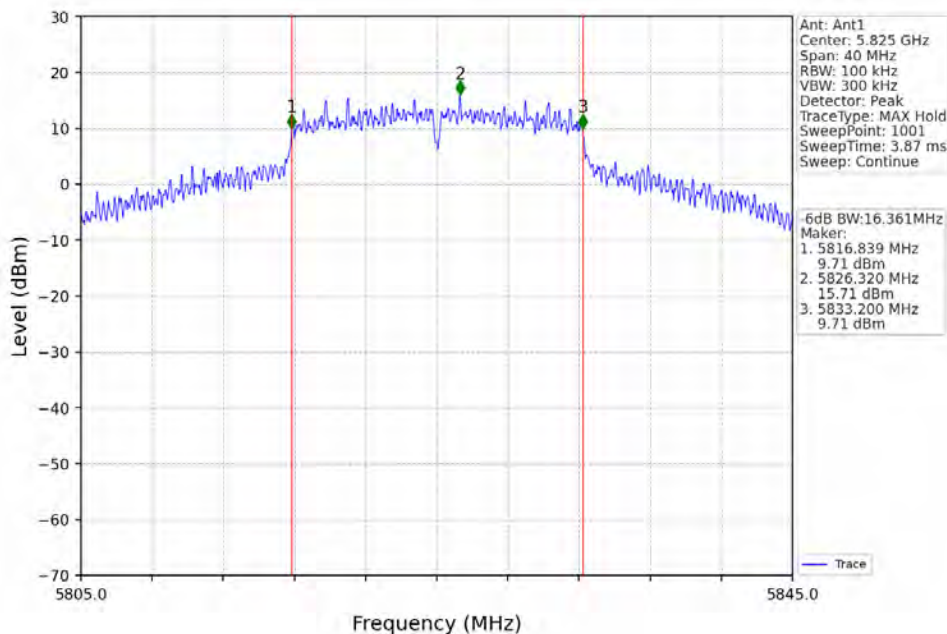
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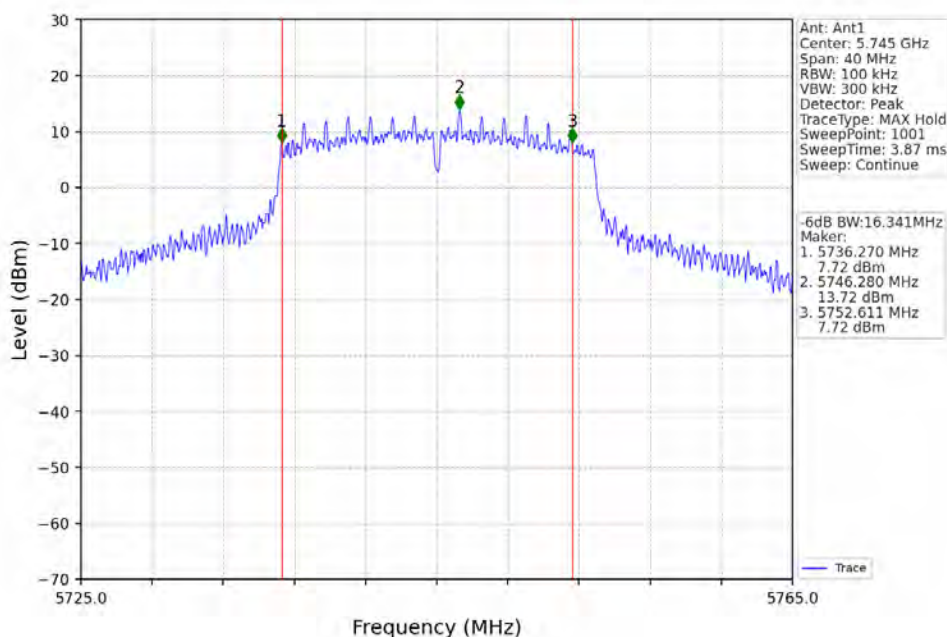
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802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



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