

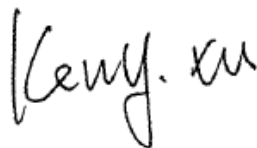
TEST REPORT

Application No.: SZCR2401000384AT
Applicant: Quectel Wireless Solutions Co., Ltd.
Address of Applicant: Building 5, Shanghai Business Park Phase III (Area B), No.1016 Tianlin Road, Minhang District, Shanghai 200233, China
Manufacturer: Quectel Wireless Solutions Co., Ltd.
Address of Manufacturer: Building 5, Shanghai Business Park Phase III (Area B), No.1016 Tianlin Road, Minhang District, Shanghai 200233, China

Equipment Under Test (EUT):
EUT Name: 5G Sub-6 GHz Smart Module with Wi-Fi 6E & Bluetooth
Model No.: SG560D-NA
Trade Mark: QUECTEL
FCC ID: XMR2024SG560DNA
Standard(s) : 47 CFR Part 15, Subpart E 15.407
Date of Receipt: 2024-01-29
Date of Test: 2024-02-27 to 2024-03-15
Date of Issue: 2024-03-21

Test Result:	Pass*
---------------------	--------------

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



Keny Xu
EMC Laboratory Manager



Revision Record				
Version	Chapter	Date	Modifier	Remark
01		2024-03-21		Original

Authorized for issue by:			
		<i>Donjon Huang</i>	
		Donjon Huang/Project Engineer	
		<i>Eric Fu</i>	
		Eric Fu/Reviewer	



2 Test Summary

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

Radio Spectrum Matter Part				
Item	Standard	Method	Requirement	Result
Conducted Emissions at AC Power Line (150kHz-30MHz)	47 CFR Part 15, Subpart E 15.407	ANSI C63.10 (2020) Section 6.2	47 CFR Part 15, Subpart C 15.207 & Subpart E 15.407 b(9)	Pass
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
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 (2020) Section 6.8	47 CFR Part 15, Subpart E 15.407 (g)	Pass



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4 General Information

4.1 Details of E.U.T.

EUT Description:	5G Sub-6 GHz Smart Module with Wi-Fi 6E & Bluetooth	
Model No.:	SG560D-NA	
Trade Mark:	QUECTEL	
Hardware Version:	R1.0	
Software Version:	SG560DNAPAR03A05	
Power Supply:	Power form the mainboard which with AC/DC adapter Model No: GQ36-120300-AX Input: AC100-240V~50/60Hz 1.0A MAX Output: DC12.0V 0.3A 36.0W	
WLAN Mode Supported:	802.11a:	20 MHz channel bandwidth
	802.11n:	20 MHz / 40 MHz channel bandwidth
	802.11ac:	20 MHz / 40 MHz / 80 MHz / 160 MHz channel bandwidth
	802.11ax:	20 MHz / 40 MHz / 80 MHz / 160 MHz channel bandwidth
Operation Frequency:	5150MHz to 5250MHz 5250MHz to 5350MHz 5470MHz to 5725MHz 5725MHz to 5850MHz	
Modulation Type:	802.11a:	OFDM (BPSK, QPSK, 16QAM, 64QAM)
	802.11n:	OFDM (BPSK, QPSK, 16QAM, 64QAM)
	802.11ac:	OFDM (BPSK, QPSK, 16QAM, 64QAM, 256QAM)
	802.11ax:	OFDM/OFDMA (BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM)
Channel Spacing:	20MHz:	802.11a/n(HT20)/ac(VHT20)/ax(HE20)
	40MHz:	802.11n(HT40)/ac(VHT40)/ax(HE40)
	80MHz:	802.11ac(VHT80)/ax(HE80)
	160MHz:	802.11ac(VHT160)/ax(HE160)
Antenna Type:	<input type="checkbox"/> External, <input checked="" type="checkbox"/> Integrated	
Antenna Gain:	5150MHz to 5250MHz: -0.7dBi(Ant5); -0.7dBi(Ant6); 5250MHz to 5350MHz: -0.7dBi(Ant5); -0.7dBi(Ant6); 5470MHz to 5725MHz: -0.7dBi(Ant5); -0.7dBi(Ant6); 5725MHz to 5850MHz: -0.7dBi(Ant5); -0.7dBi(Ant6);	
	Note: The antenna gain are derived from the gain information report provided by the	



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	manufacturer.	
Smart System:	<input type="checkbox"/> SISO	802.11a/n/ac/ax
	<input checked="" type="checkbox"/> MIMO	802.11n/ac/ax: 2Tx & 2Rx
	<input checked="" type="checkbox"/> Diversity	802.11a: 2Tx & 2Rx
TPC Function:	<input checked="" type="checkbox"/> Support, <input type="checkbox"/> Not Support	
DFS Function:	<input checked="" type="checkbox"/> Master	
	<input type="checkbox"/> Slave with radar detection	<input type="checkbox"/> Slave without radar detection
RF Cable:	1.5dB	
Remark: As above information is provided and confirmed by the applicant. SGS is not liable to the accuracy, suitability, reliability or/and integrity of the information.		

4.2 Description of Support Units

Description	Manufacturer	Model No.
Mother board	QUECTEL	SMART-5G-EVB_V1.3
Adapter	Dong Guan City GangQi Electronic Co.,Ltd	GQ36-120300-AX
Remark: all above the information of table are provided by client.		



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4.3 Measurement Uncertainty

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

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:

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

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

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

No tests were sub-contracted.

4.5 Test Facility

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

• **A2LA (Certificate No. 3816.01)**

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

• **VCCI (Member No. 1937)**

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

• **FCC –Designation Number: CN1336**

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

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

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

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

CAB identifier: CN0006.

IC#: 4620C.

4.6 Deviation from Standards

None

4.7 Abnormalities from Standard Conditions

None



5 Equipment List

Conducted Emissions at AC Power Line (150kHz-30MHz)					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
Shielding Room	ZhongYu Electron	GB-88	SEM001-06	2022-05-14	2025-05-13
EMI Test Receiver	Rohde&Schwarz	ESCI	SEM004-02	2023-03-20	2024-03-19
Matching Pad	N/A	N/A	SEM021-23	2023-03-22	2024-03-21
Matching Pad	N/A	N/A	SEM021-24	2023-03-22	2024-03-21
Measurement Software	AUDIX	e3 V8.2014-6-27a	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM024-01	2023-07-07	2024-07-06
LISN	Rohde&Schwarz	ENV216	SEM007-01	2023-09-19	2024-09-18
LISN	ETS-LINDGREN	3816/2	SEM007-02	2023-03-20	2024-03-19

Duty Cycle					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
DC Power Supply	Chroma	62012P-80-60	SEM011-11	2023-10-19	2024-10-18
MXA Signal Analyzer	KEYSIGHT	N9020A	SEM004-19	2023-03-21	2024-03-20
Signal Generator	KEYSIGHT	N5173B	SEM006-05	2023-09-19	2024-09-18
Measurement Software	TST PASS	TST PASS V2.0	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM031-01	2023-07-07	2024-07-06
Attenuator	Huber+Suhner	6620_SMA-50-1	SEM021-09	2023-03-31	2024-03-30
Programmable Temperature & Humidity Chamber	Votsch Industrietechnik GmbH	VT 4002	SEM002-15	2024-03-19	2025-03-18

99% Bandwidth					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
DC Power Supply	Chroma	62012P-80-60	SEM011-11	2023-10-19	2024-10-18
MXA Signal Analyzer	KEYSIGHT	N9020A	SEM004-19	2023-03-21	2024-03-20
Signal Generator	KEYSIGHT	N5173B	SEM006-05	2023-09-19	2024-09-18
Measurement Software	TST PASS	TST PASS V2.0	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM031-01	2023-07-07	2024-07-06
Attenuator	Huber+Suhner	6620_SMA-50-1	SEM021-09	2023-03-31	2024-03-30
Programmable Temperature & Humidity Chamber	Votsch Industrietechnik GmbH	VT 4002	SEM002-15	2024-03-19	2025-03-18



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26dB Emission bandwidth					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
DC Power Supply	Chroma	62012P-80-60	SEM011-11	2023-10-19	2024-10-18
MXA Signal Analyzer	KEYSIGHT	N9020A	SEM004-19	2023-03-21	2024-03-20
Signal Generator	KEYSIGHT	N5173B	SEM006-05	2023-09-19	2024-09-18
Measurement Software	TST PASS	TST PASS V2.0	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM031-01	2023-07-07	2024-07-06
Attenuator	Huber+Suhner	6620_SMA-50-1	SEM021-09	2023-03-31	2024-03-30
Programmable Temperature & Humidity Chamber	Votsch Industrietechnik GmbH	VT 4002	SEM002-15	2024-03-19	2025-03-18

Minimum 6 dB bandwidth (5.725-5.85 GHz band)					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
DC Power Supply	Chroma	62012P-80-60	SEM011-11	2023-10-19	2024-10-18
MXA Signal Analyzer	KEYSIGHT	N9020A	SEM004-19	2023-03-21	2024-03-20
Signal Generator	KEYSIGHT	N5173B	SEM006-05	2023-09-19	2024-09-18
Measurement Software	TST PASS	TST PASS V2.0	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM031-01	2023-07-07	2024-07-06
Attenuator	Huber+Suhner	6620_SMA-50-1	SEM021-09	2023-03-31	2024-03-30
Programmable Temperature & Humidity Chamber	Votsch Industrietechnik GmbH	VT 4002	SEM002-15	2024-03-19	2025-03-18

Maximum Conducted output power					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
Power Sensor	TST PASS	TSPS2023R	SEM009-26	2023-04-01	2024-03-31
Power Sensor	KEYSIGHT	U2021XA	SEM009-16	2023-03-21	2024-03-20
DC Power Supply	Chroma	62012P-80-60	SEM011-11	2023-10-19	2024-10-18
MXA Signal Analyzer	KEYSIGHT	N9020A	SEM004-19	2023-03-21	2024-03-20
Signal Generator	KEYSIGHT	N5173B	SEM006-05	2023-09-19	2024-09-18
Measurement Software	TST PASS	TST PASS V2.0	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM031-01	2023-07-07	2024-07-06
Attenuator	Huber+Suhner	6620_SMA-50-1	SEM021-09	2023-03-31	2024-03-30



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

SZEMC-TRF-01 Rev. A/1

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Programmable Temperature & Humidity Chamber	Votsch Industrietechnik GmbH	VT 4002	SEM002-15	2024-03-19	2025-03-18
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Peak Power spectrum density

Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
DC Power Supply	Chroma	62012P-80-60	SEM011-11	2023-10-19	2024-10-18
MXA Signal Analyzer	KEYSIGHT	N9020A	SEM004-19	2023-03-21	2024-03-20
Signal Generator	KEYSIGHT	N5173B	SEM006-05	2023-09-19	2024-09-18
Measurement Software	TST PASS	TST PASS V2.0	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM031-01	2023-07-07	2024-07-06
Attenuator	Huber+Suhner	6620_SMA-50-1	SEM021-09	2023-03-31	2024-03-30
Programmable Temperature & Humidity Chamber	Votsch Industrietechnik GmbH	VT 4002	SEM002-15	2024-03-19	2025-03-18

Radiated Emissions (Below 1GHz)

Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
Loop Antenna	ETS-Lindgren	6502	SEM003-08	2023-11-20	2025-11-19
3m Semi-Anechoic Chamber	ETS-LINDGREN	N/A	SEM001-01	2023-06-19	2026-06-18
MXE EMI Receiver	Agilent Technologies	N9038A	SEM004-15	2023-10-19	2024-10-18
BiConiLog Antenna	ETS-LINDGREN	3142C	SEM003-01	2023-09-16	2025-09-15
Pre-Amplifier	Agilent Technologies	8447D	SEM005-01	2023-03-20	2024-03-19
Measurement Software	AUDIX	e3 V8.2014-6-27	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM025-01	2023-07-07	2024-07-06

Radiated Emissions (Above 1GHz)

Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
3m Fully-Anechoic Chamber	AUDIX	N/A	SEM001-02	2023-04-01	2026-03-31
Signal Analyzer	Rohde & Schwarz	FSV40	SEM008-04	2023-03-20	2024-03-19
Horn Antenna	Rohde&Schwarz	HF907	SEM003-07	2023-07-23	2025-07-22
Microwave system amplifier	Agilent	83017A	SEM005-25	2023-09-19	2024-09-18
Measurement Software	AUDIX	e3 V8.2014-6-27	N/A	N/A	N/A



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Coaxial Cable	SGS	N/A	SEM026-01	2023-07-07	2024-07-06
Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	SEM003-15	2022-08-10	2024-08-09
Pre-Amplifier	Compliance Directions Systems Inc.	PAP-2640-50	SEM005-08	2023-03-20	2024-03-19

Radiated Emissions which fall in the restricted bands

Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
3m Fully-Anechoic Chamber	AUDIX	N/A	SEM001-02	2023-04-01	2026-03-31
Signal Analyzer	Rohde & Schwarz	FSV40	SEM008-04	2023-03-20	2024-03-19
Horn Antenna	Rohde&Schwarz	HF907	SEM003-07	2023-07-23	2025-07-22
Microwave system amplifier	Agilent	83017A	SEM005-25	2023-09-19	2024-09-18
Measurement Software	AUDIX	e3 V8.2014-6-27	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM026-01	2023-07-07	2024-07-06

Frequency Stability

Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
DC Power Supply	Chroma	62012P-80-60	SEM011-11	2023-10-19	2024-10-18
MXA Signal Analyzer	KEYSIGHT	N9020A	SEM004-19	2023-03-21	2024-03-20
Signal Generator	KEYSIGHT	N5173B	SEM006-05	2023-09-19	2024-09-18
Measurement Software	TST PASS	TST PASS V2.0	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM031-01	2023-07-07	2024-07-06
Attenuator	Huber+Suhner	6620_SMA-50-1	SEM021-09	2023-03-31	2024-03-30
Programmable Temperature & Humidity Chamber	Votsch Industrietechnik GmbH	VT 4002	SEM002-15	2024-03-19	2025-03-18

General used equipment

Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
Humidity/ Temperature Indicator	deli	8838	SEM002-32	2023-07-28	2024-07-27
Humidity/ Temperature Indicator	deli	8838	SEM002-33	2023-07-28	2024-07-27
Barometer	Changchun Meteorological Industry Factory	DYM3	SEM002-01	2023-03-23	2024-03-22



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6 Radio Spectrum Technical Requirement

6.1 Antenna Requirement

6.1.1 Test Requirement:

47 CFR Part 15, Subpart C 15.203

6.1.2 Conclusion

15.203 requirement:

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

EUT Antenna:

The antenna is an integrated antenna, and the connection port is fixed with glue, and the antenna cannot be replaced.

The best case gain of the antenna is

5150MHz to 5250MHz: -0.7dBi(Ant5); -0.7dBi(Ant6);*

5250MHz to 5350MHz: -0.7dBi(Ant5); -0.7dBi(Ant6);*

5470MHz to 5725MHz: -0.7dBi(Ant5); -0.7dBi(Ant6);*

5725MHz to 5850MHz: -0.7dBi(Ant5); -0.7dBi(Ant6);*

*Note:

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

Remark:

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



Cyclic Delay Diversity (CDD) System:

FCC KDB 662911 D01 Multiple Transmitter Output v02r01

If all antennas have the same gain, G_{ANT} , Directional gain = G_{ANT} + Array Gain, where Array Gain is as follows.

- For power spectral density (PSD) measurements on all devices,

$Array\ Gain = 10\ log(N_{ANT}/N_{SS}=1)\ dB.$

- For power measurements on IEEE 802.11 devices:

$Array\ Gain = 0\ dB\ (i.e.,\ no\ array\ gain)\ for\ N_{ANT} \le 4;$

Directional gain may be calculated by using the formulas applicable to equal gain antennas with GANT set equal to the gain of the antenna having the highest gain.

The Power and PSD limit should be modified if the directional gain of eut is over 6dbi.

The EUT supports CDD System.

All antennas have the same gain:

Operation Frequency	ANT Gain5 (dBi)	ANT Gain6 (dBi)	Directional gain For Power (dBi)	Directional gain For PSD (dBi)	Power Limit Reduction (dBm)	PSD Limit Reduction (dBm)
5150MHz to 5250MHz	-0.7	-0.7	-0.7	2.31	0	0
5250MHz to 5350MHz	-0.7	-0.7	-0.7	2.31	0	0
5470MHz to 5725MHz	-0.7	-0.7	-0.7	2.31	0	0
5725MHz to 5850MHz	-0.7	-0.7	-0.7	2.31	0	0

5150MHz to 5250MHz:

Power Limit Reduction = Directional gain – 6dBi, (Directional gain < 6dBi) =0

PSD Limit Reduction = Directional gain – 6dBi, (Directional gain < 6dBi) =0

5250MHz to 5350MHz:

Power Limit Reduction = Directional gain – 6dBi, (Directional gain < 6dBi) =0

PSD Limit Reduction = Directional gain – 6dBi, (Directional gain < 6dBi) =0

5470MHz to 5725MHz:

Power Limit Reduction = Directional gain – 6dBi, (Directional gain < 6dBi) =0

PSD Limit Reduction = Directional gain – 6dBi, (Directional gain < 6dBi) =0

5725MHz to 5850MHz:

Power Limit Reduction = Directional gain – 6dBi, (Directional gain < 6dBi) =0

PSD Limit Reduction = Directional gain – 6dBi, (Directional gain < 6dBi) =0



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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 detect 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 (2020) Section 6.2

Limit:

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

*Decreases with the logarithm of the frequency.

7.1.1 E.U.T. Operation

Operating Environment:

Temperature: 24.3 °C Humidity: 43.4 % RH Atmospheric Pressure: 1020 mbar

7.1.2 Test Mode Description

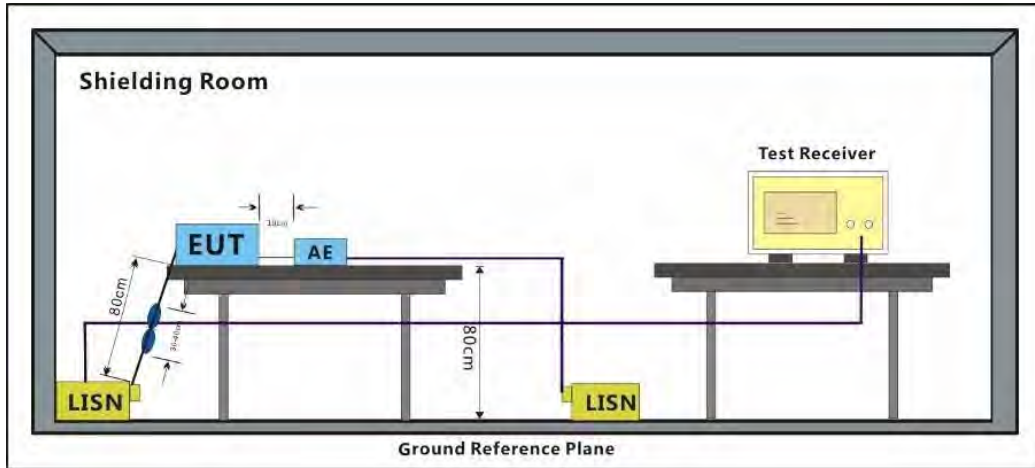
Pre-scan / Final test	Mode Code	Description
Final test	09	TX mode (U-NII-1)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40/80, Only the data of worst case is recorded in the report.
Pre-scan	10	TX mode (U-NII-2A)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40/80/160, Only the data of worst case is recorded in the report.
Pre-scan	11	TX mode (U-NII-2C)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40/80/160, Only the data of worst case is recorded in the report.
Pre-scan	12	TX mode (U-NII-3)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40/80, Only the data of worst case is recorded in the report.



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7.1.3 Test Setup Diagram



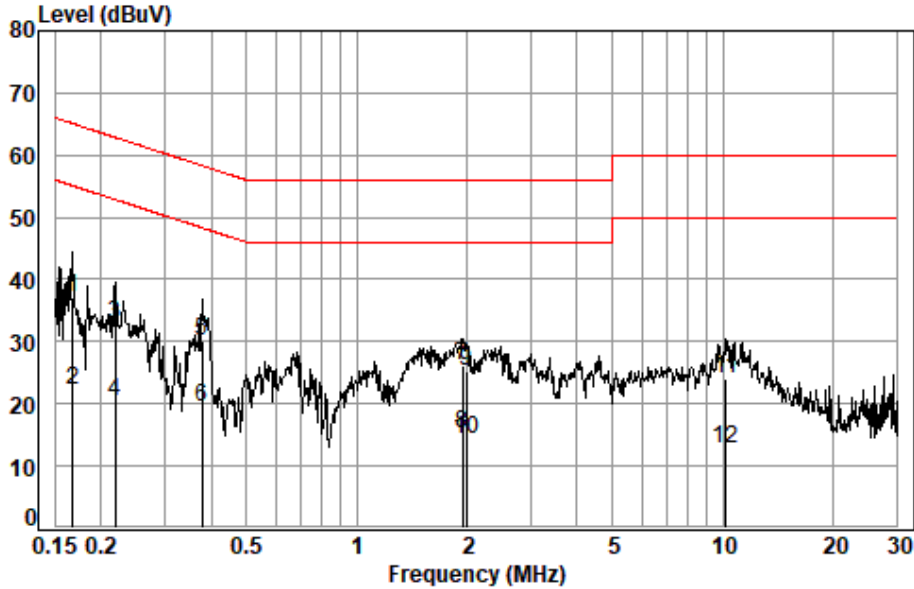
7.1.4 Measurement Procedure and Data

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

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



Test Mode: 09; Line: Live line



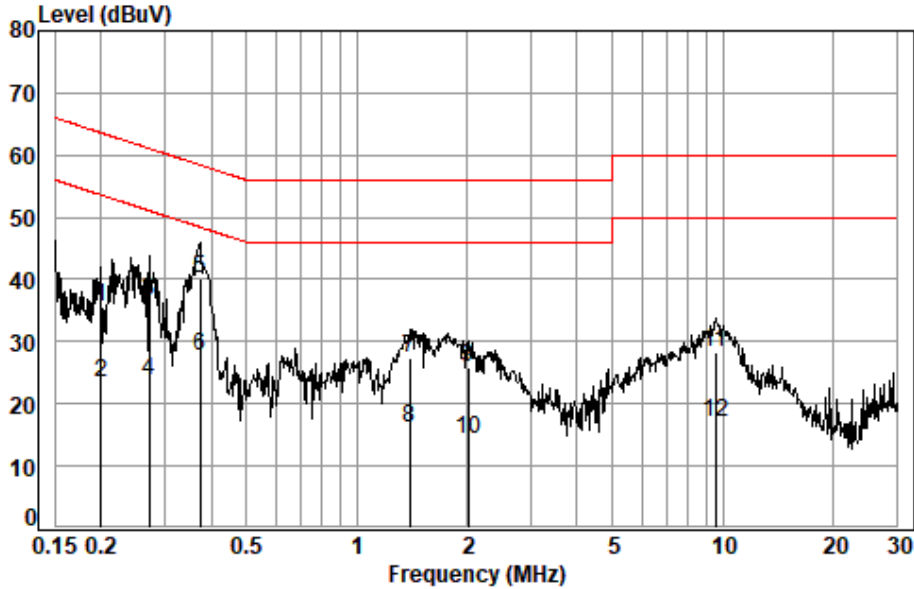
Site : Shielding Room
 Condition: Line
 Job No. : 00384AT
 Test mode: 09

	Freq	Cable Loss	LISN Factor	Read Level	Limit Line	Over Limit	Remark
	MHz	dB	dB	dBuV	dBuV	dB	
1 *	0.1677	0.02	9.51	27.49	37.02	65.08	-28.06 QP
2	0.1677	0.02	9.51	12.81	22.34	55.08	-32.74 Average
3	0.2185	0.03	9.48	23.21	32.72	62.88	-30.16 QP
4	0.2185	0.03	9.48	10.74	20.25	52.88	-32.63 Average
5	0.3771	0.03	9.56	20.62	30.21	58.34	-28.13 QP
6 *	0.3771	0.03	9.56	9.84	19.43	48.34	-28.91 Average
7	1.9489	0.07	9.46	16.56	26.09	56.00	-29.91 QP
8	1.9489	0.07	9.46	5.75	15.28	46.00	-30.72 Average
9	1.9906	0.07	9.46	15.68	25.21	56.00	-30.79 QP
10	1.9906	0.07	9.46	4.72	14.25	46.00	-31.75 Average
11	10.1791	0.17	10.00	13.71	23.88	60.00	-36.12 QP
12	10.1791	0.17	10.00	2.68	12.85	50.00	-37.15 Average



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Test Mode: 09; Line: Neutral Line



Site : Shielding Room
 Condition: Neutral
 Job No. : 00384AT
 Test mode: 09

	Freq	Cable Loss	LISN Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB	dBuV	dBuV	dBuV	dB	
1	0.1997	0.02	9.66	25.86	35.54	63.62	-28.08	QP
2	0.1997	0.02	9.66	13.61	23.29	53.62	-30.33	Average
3	0.2715	0.03	9.68	26.82	36.53	61.07	-24.54	QP
4	0.2715	0.03	9.68	14.05	23.76	51.07	-27.31	Average
5 *	0.3731	0.03	9.72	30.45	40.20	58.43	-18.23	QP
6 *	0.3731	0.03	9.72	17.78	27.53	48.43	-20.90	Average
7	1.3958	0.06	9.73	17.59	27.38	56.00	-28.62	QP
8	1.3958	0.06	9.73	6.28	16.07	46.00	-29.93	Average
9	2.0119	0.07	9.80	15.93	25.80	56.00	-30.20	QP
10	2.0119	0.07	9.80	4.29	14.16	46.00	-31.84	Average
11	9.5521	0.16	10.11	18.10	28.37	60.00	-31.63	QP
12	9.5521	0.16	10.11	6.89	17.16	50.00	-32.84	Average



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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: 23.8 °C Humidity: 37.9 % RH Atmospheric Pressure: 1020 mbar

7.2.2 Test Mode Description

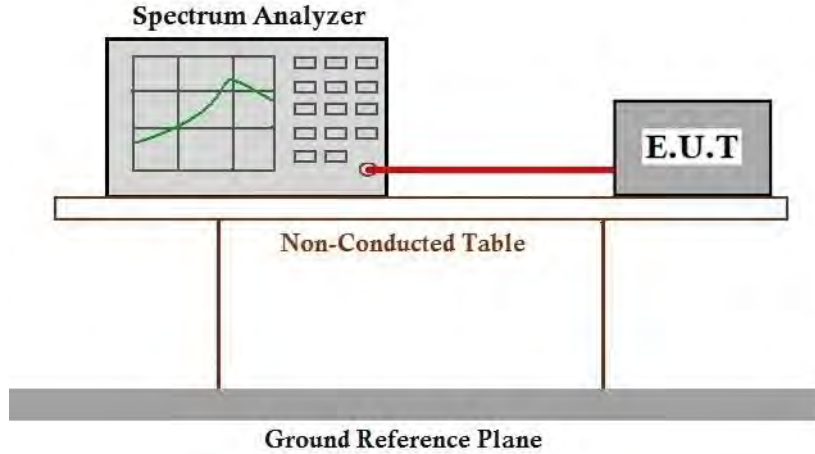
Pre-scan / Final test	Mode Code	Description
Final test	09	TX mode (U-NII-1)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40/80, Only the data of worst case is recorded in the report.
Final test	10	TX mode (U-NII-2A) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40/80/160, Only the data of worst case is recorded in the report.
Final test	11	TX mode (U-NII-2C) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40/80/160, Only the data of worst case is recorded in the report.
Final test	12	TX mode (U-NII-3) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40/80, Only the data of worst case is recorded in the report.



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7.2.3 Test Setup Diagram



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: 23.8 °C Humidity: 37.9 % RH Atmospheric Pressure: 1020 mbar

7.3.2 Test Mode Description

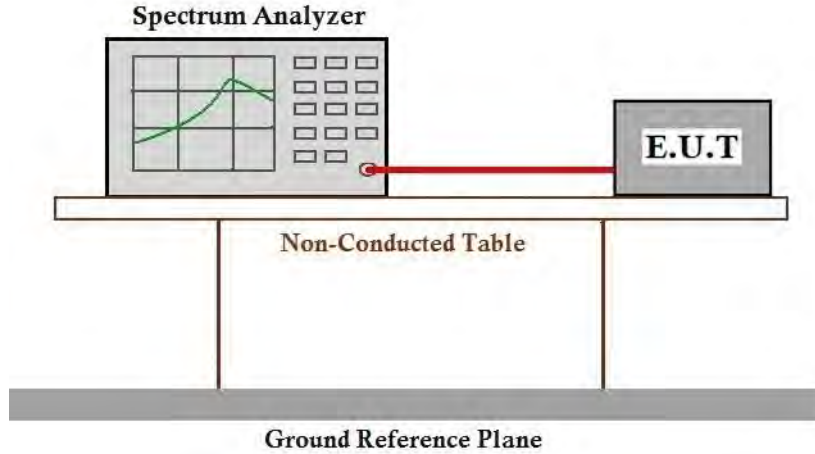
Pre-scan / Final test	Mode Code	Description
Final test	09	TX mode (U-NII-1)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40/80, Only the data of worst case is recorded in the report.
Final test	10	TX mode (U-NII-2A) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40/80/160, Only the data of worst case is recorded in the report.
Final test	11	TX mode (U-NII-2C) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40/80/160, Only the data of worst case is recorded in the report.
Final test	12	TX mode (U-NII-3) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40/80, Only the data of worst case is recorded in the report.



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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

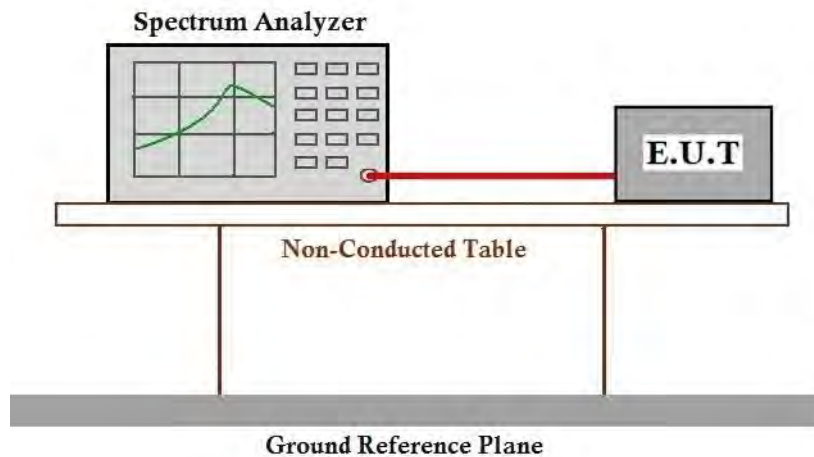
7.4.1 E.U.T. Operation

Operating Environment:
 Temperature: 23.8 °C Humidity: 37.9 % RH Atmospheric Pressure: 1020 mbar

7.4.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	09	TX mode (U-NII-1)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40/80, Only the data of worst case is recorded in the report.
Final test	10	TX mode (U-NII-2A) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40/80/160, Only the data of worst case is recorded in the report.
Final test	11	TX mode (U-NII-2C) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40/80/160, Only the data of worst case is recorded in the report.

7.4.3 Test Setup Diagram



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7.4.4 Measurement Procedure and Data

Please Refer to Appendix for Details



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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

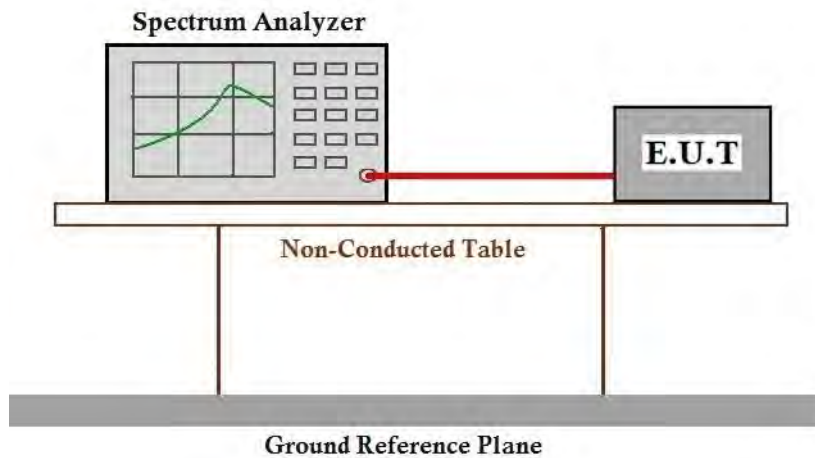
Operating Environment:

Temperature: 23.8 °C Humidity: 37.9 % RH Atmospheric Pressure: 1020 mbar

7.5.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	12	TX mode (U-NII-3) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40/80, Only the data of worst case is recorded in the report.

7.5.3 Test Setup Diagram



7.5.4 Measurement Procedure and Data

Please Refer to Appendix for Details



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

7.6.1 E.U.T. Operation

Operating Environment:

Temperature: 23.8 °C Humidity: 37.9 % RH Atmospheric Pressure: 1020 mbar

7.6.2 Test Mode Description

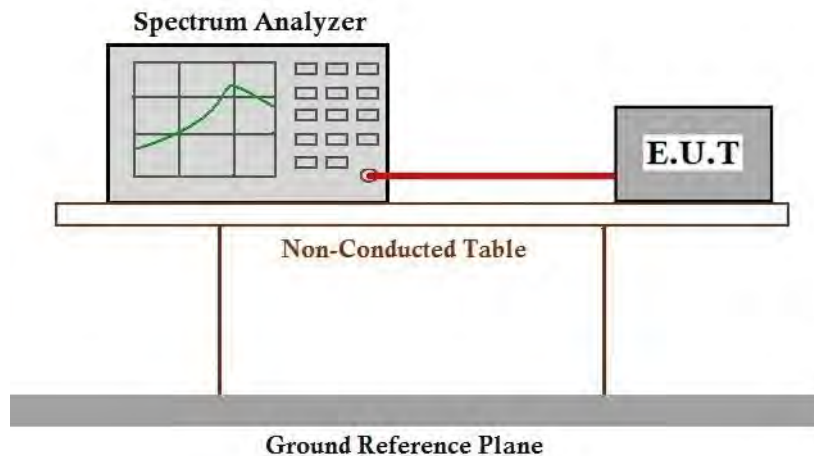
Pre-scan / Final test	Mode Code	Description
Final test	09	TX mode (U-NII-1)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40/80, Only the data of worst case is recorded in the report.
Final test	10	TX mode (U-NII-2A) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40/80/160, Only the data of worst case is recorded in the report.
Final test	11	TX mode (U-NII-2C) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40/80/160, Only the data of worst case is recorded in the report.



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Final test	12	TX mode (U-NII-3) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40/80, Only the data of worst case is recorded in the report.
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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.

7.7.1 E.U.T. Operation

Operating Environment:

Temperature: 23.8 °C Humidity: 37.9 % RH Atmospheric Pressure: 1020 mbar

7.7.2 Test Mode Description

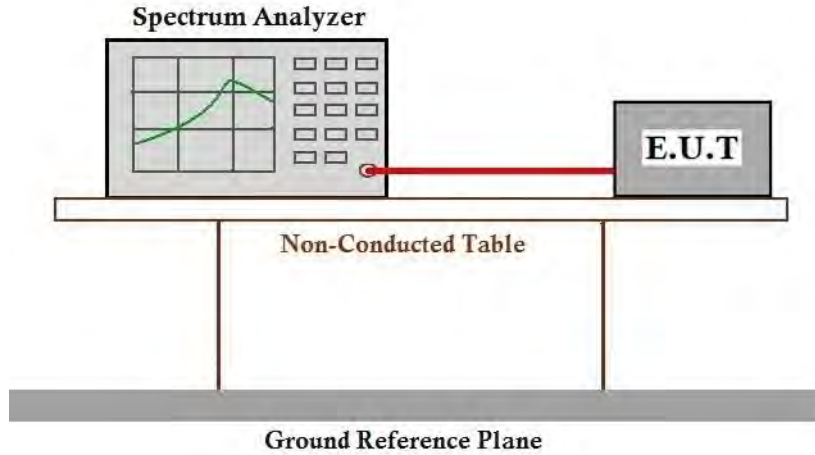
Pre-scan / Final test	Mode Code	Description
Final test	09	TX mode (U-NII-1)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40/80, Only the data of worst case is recorded in the report.
Final test	10	TX mode (U-NII-2A)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40/80/160, Only the data of worst case is recorded in the report.
Final test	11	TX mode (U-NII-2C)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40/80/160, Only the data of worst case is recorded in the report.
Final test	12	TX mode (U-NII-3)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40/80, Only the data of worst case is recorded in the report.



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		recorded in the report.
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7.7.3 Test Setup Diagram



7.7.4 Measurement Procedure and Data

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7.8 Radiated Emissions (Below 1GHz)

Test Requirement 47 CFR Part 15, Subpart C 15.209 & Subpart E 15.407(b)
 Test Method: 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: 47.5 % RH Atmospheric Pressure: 1020 mbar

7.8.2 Test Mode Description

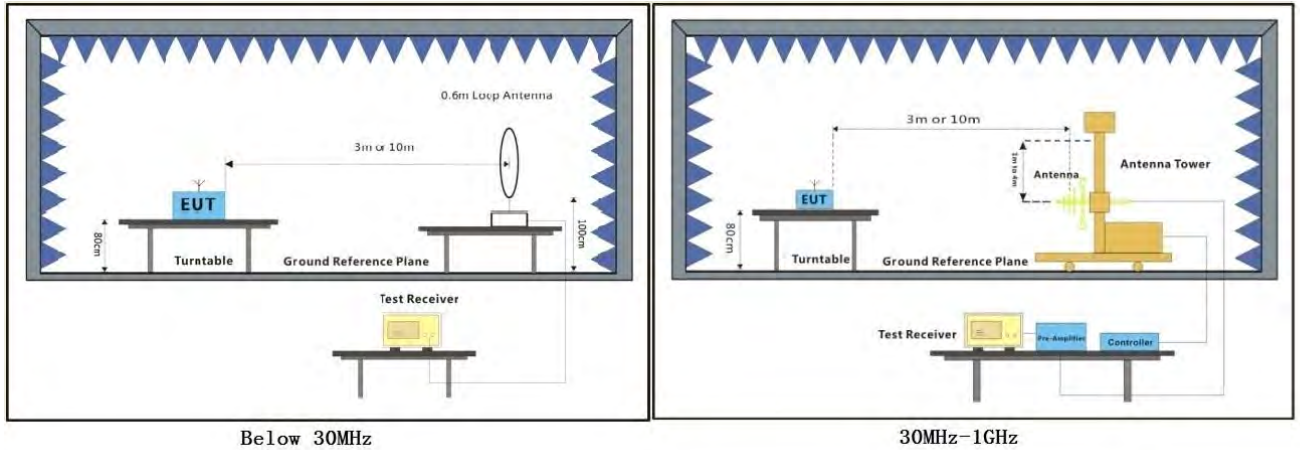
Pre-scan / Final test	Mode Code	Description
Final test	09	TX mode (U-NII-1)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40/80, Only the data of worst case is recorded in the report.
Pre-scan	10	TX mode (U-NII-2A) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40/80/160, Only the data of worst case is recorded in the report.
Pre-scan	11	TX mode (U-NII-2C) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40/80/160, Only the data of worst case is recorded in the report.



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Pre-scan	12	TX mode (U-NII-3) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40/80, Only the data of worst case is recorded in the report.
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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:

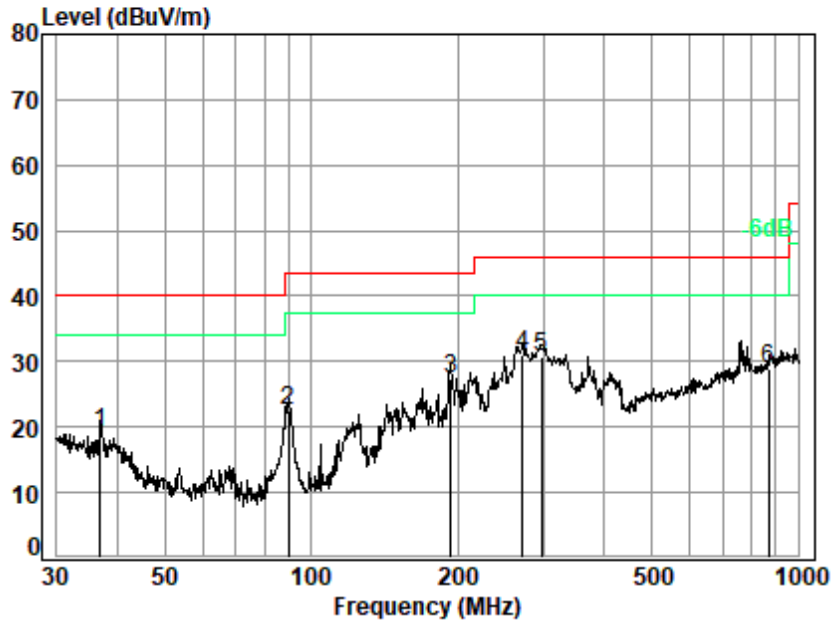
- 1. Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor
- 2. For emission below 1GHz, through the pre-scan found the worst case is the lowest channel of 802.11a. Only the worst case is recorded in the report.
- 3. Scan from 9kHz to 30MHz, the disturbance below 30MHz was very low. The points 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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Test Mode: 09; Polarity: Horizontal



Site : chamber
 Condition: 3m HORIZONTAL
 Job No. : 00384AT
 Test Mode: 09

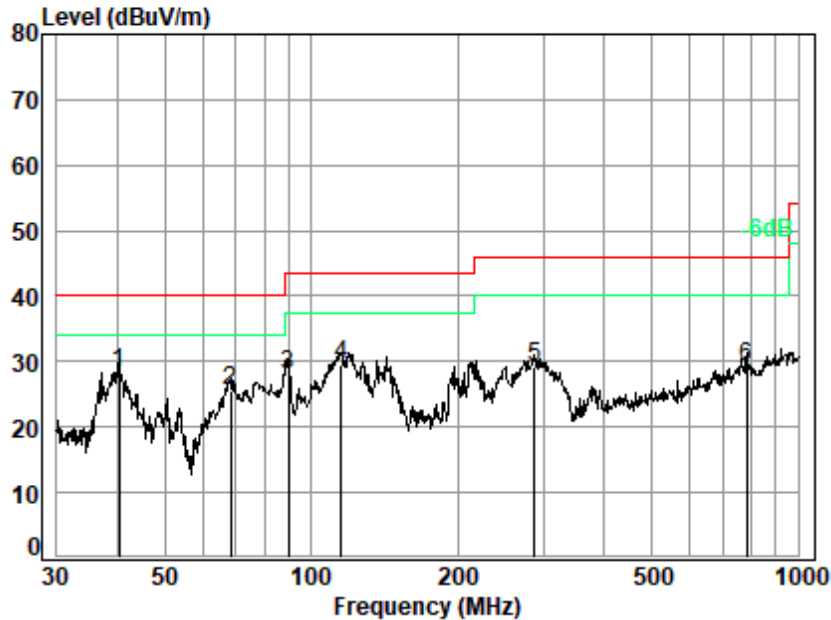
	Ant	Cable	Preamp	Read	Limit	Over			
Freq	Factor	Loss	Factor	Level	Level	Line	Limit		
MHz	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB		
1	36.90	17.81	0.72	27.79	28.34	19.08	40.00	-20.92	QP
2	89.90	11.72	1.13	27.64	37.22	22.43	43.50	-21.07	QP
3	193.09	14.21	1.69	27.27	38.79	27.42	43.50	-16.08	QP
4 q	271.32	17.09	2.04	26.99	38.83	30.97	46.00	-15.03	QP
5	297.22	17.69	2.16	26.90	37.71	30.66	46.00	-15.34	QP
6	869.13	27.65	4.01	27.28	24.62	29.00	46.00	-17.00	QP



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Test Mode: 09; Polarity: Vertical



Site : chamber
 Condition: 3m VERTICAL
 Job No. : 00384AT
 Test Mode: 09

	Ant	Cable	Preamp	Read	Limit	Over			
Freq	Factor	Loss	Factor	Level	Level	Line	Limit		
MHz	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB		
1 q	40.28	16.28	0.75	27.78	39.14	28.39	40.00	-11.61	QP
2	68.15	10.71	0.98	27.70	41.51	25.50	40.00	-14.50	QP
3	89.90	11.72	1.13	27.64	42.90	28.11	43.50	-15.39	QP
4	115.32	11.39	1.27	27.55	44.37	29.48	43.50	-14.02	QP
5	287.99	16.98	2.12	26.93	36.97	29.14	46.00	-16.86	QP
6	782.35	27.08	3.77	27.66	26.05	29.24	46.00	-16.76	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: 19.0 °C Humidity: 52.7 % RH Atmospheric Pressure: 1020 mbar



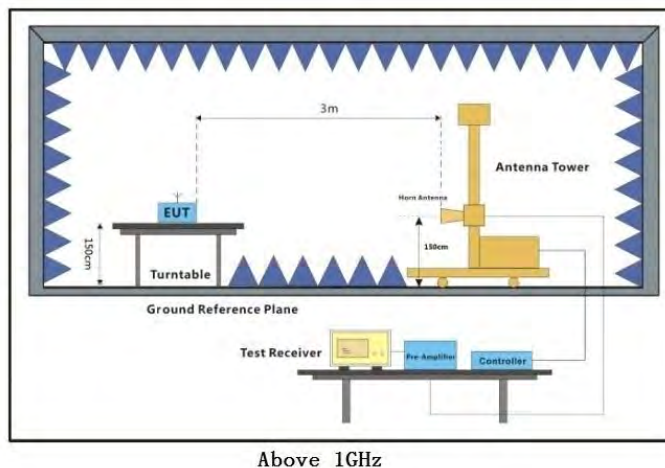
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7.9.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	09	TX mode (U-NII-1)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40/80, Only the data of worst case is recorded in the report.
Final test	10	TX mode (U-NII-2A) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40/80/160, Only the data of worst case is recorded in the report.
Final test	11	TX mode (U-NII-2C) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40/80/160, Only the data of worst case is recorded in the report.
Final test	12	TX mode (U-NII-3) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40/80, Only the data of worst case is recorded in the report.

7.9.3 Test Setup Diagram



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7.9.4 Measurement Procedure and Data

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

Remark:

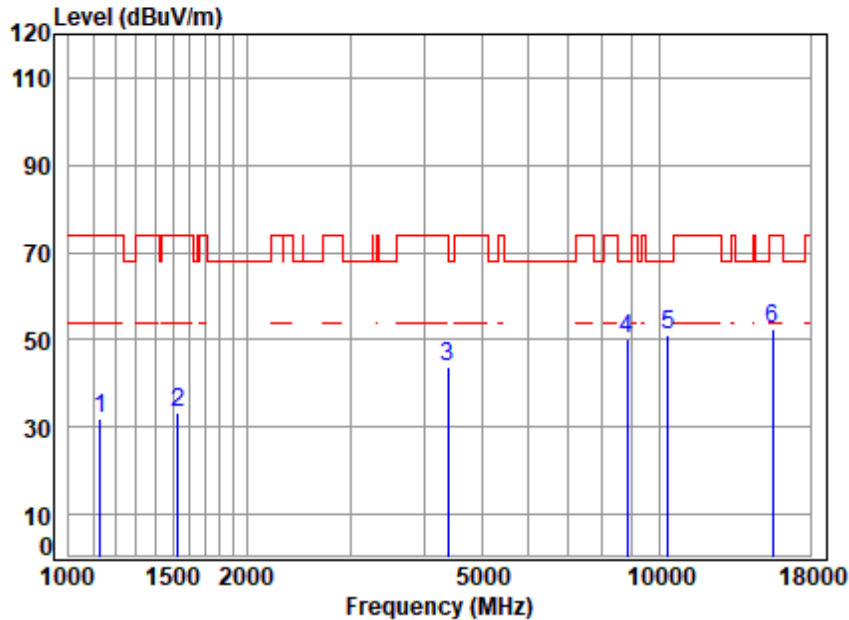
- 1. Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor
- 2. Scan from 18GHz to 40GHz, the disturbance above 18GHz was very low. The points marked on above plots are the highest emissions could be found when testing, so only above points had been displayed. The amplitude of spurious emissions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



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



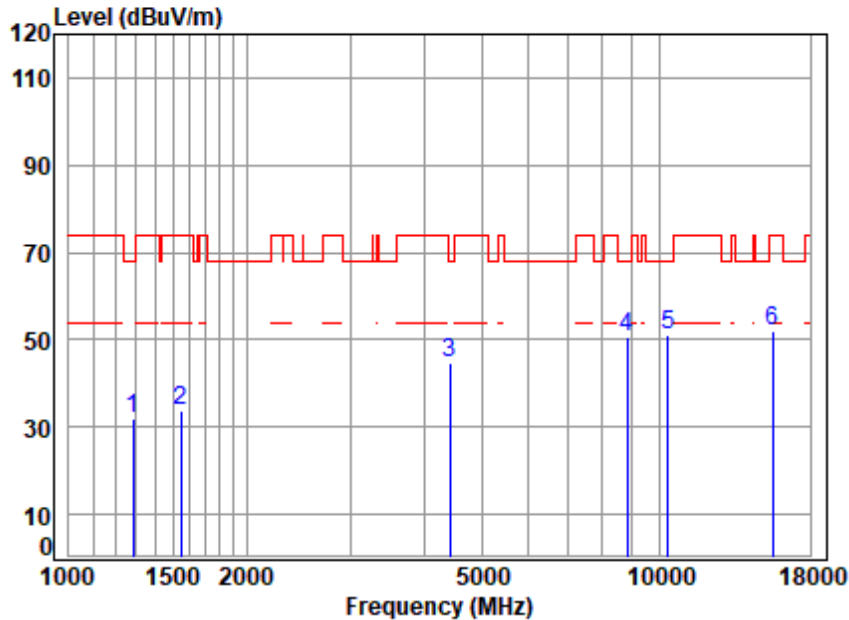
Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 00384AT/00385AT
 Mode : 5180 TX RSE
 Note : 5G WIFI 11A

	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	1129.072	3.45	23.82	38.33	42.88	31.82	74.00	-42.18	peak
2	1529.414	4.10	26.92	38.39	40.83	33.46	74.00	-40.54	peak
3	4392.376	7.05	34.74	35.80	37.91	43.90	74.00	-30.10	peak
4	8814.957	11.60	37.13	37.42	39.10	50.41	68.20	-17.79	peak
5	10360.000	12.73	37.10	37.54	38.84	51.13	68.20	-17.07	peak
6	15540.000	14.23	41.10	37.23	34.22	52.32	74.00	-21.68	peak



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



Site : chamber
 Condition: 3m VERTICAL
 Job No : 00384AT/00385AT
 Mode : 5180 TX RSE
 Note : 5G WIFI 11A

	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	1285.904	3.73	24.88	38.35	41.57	31.83	68.20	-36.37 peak
2	1547.199	4.13	26.99	38.39	40.88	33.61	74.00	-40.39 peak
3	4417.841	7.07	34.59	35.78	38.83	44.71	68.20	-23.49 peak
4	8814.957	11.60	37.13	37.42	39.41	50.72	68.20	-17.48 peak
5	10360.000	12.73	37.10	37.54	39.03	51.32	68.20	-16.88 peak
6	15540.000	14.23	41.10	37.23	34.14	52.24	74.00	-21.76 peak

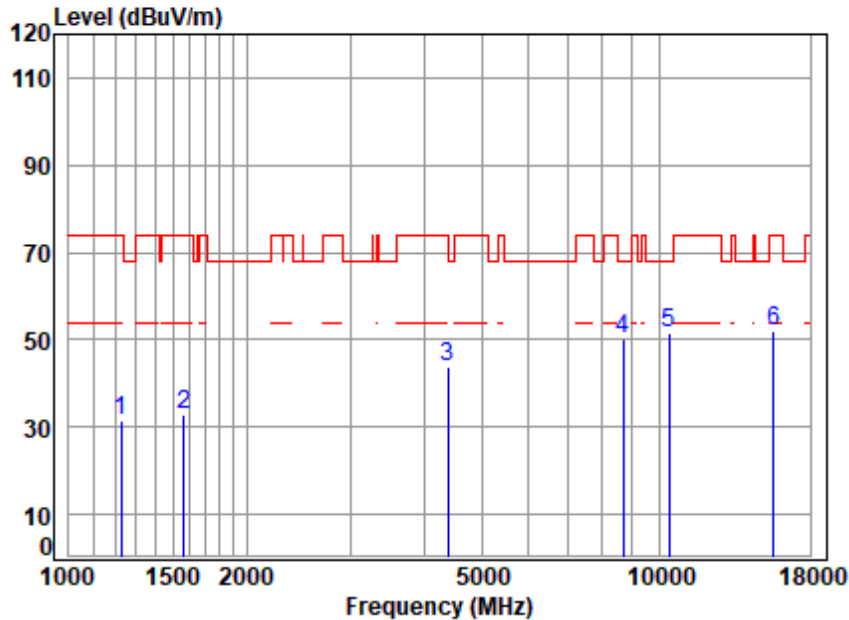


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Test Mode: 09; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:middle



Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 00384AT/00385AT
 Mode : 5200 TX RSE
 Note : 5G WIFI 11A

	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	1227.791	3.63	24.79	38.34	41.62	31.70	74.00	-42.30 peak
2	1565.191	4.15	26.94	38.40	40.10	32.79	74.00	-41.21 peak
3	4379.699	7.04	34.64	35.81	38.00	43.87	74.00	-30.13 peak
4	8688.480	11.38	36.90	37.30	39.15	50.13	68.20	-18.07 peak
5	10400.000	12.74	37.10	37.56	39.38	51.66	68.20	-16.54 peak
6	15600.000	14.25	41.10	37.26	33.78	51.87	74.00	-22.13 peak

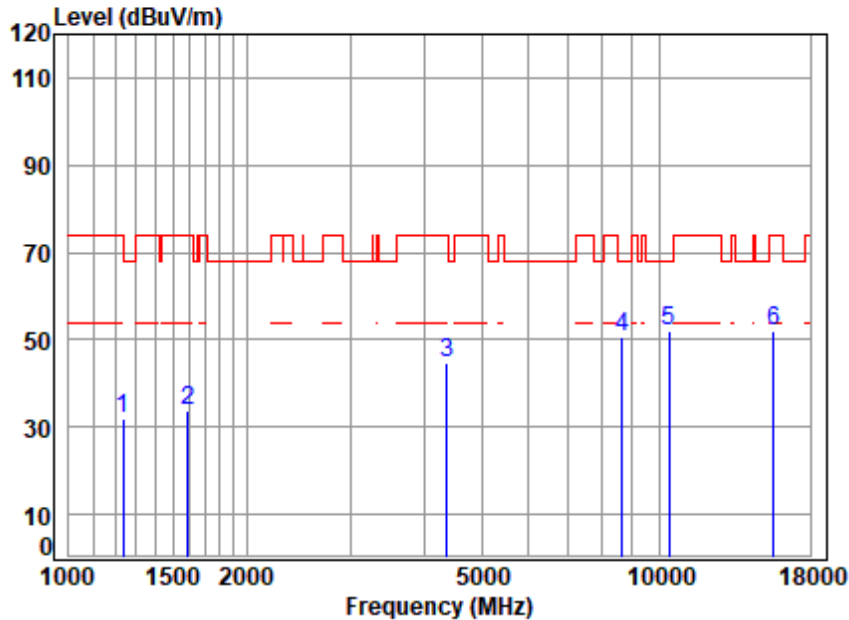


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Test Mode: 09; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:middle



Site : chamber
 Condition: 3m VERTICAL
 Job No : 00384AT/00385AT
 Mode : 5200 TX RSE
 Note : 5G WIFI 11A

	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	1234.909	3.64	24.89	38.35	41.97	74.00	-41.85	peak
2	1592.571	4.19	26.83	38.40	41.13	74.00	-40.25	peak
3	4367.058	7.04	34.54	35.82	38.79	74.00	-29.45	peak
4	8638.399	11.29	36.90	37.24	39.49	68.20	-17.76	peak
5	10400.000	12.74	37.10	37.56	39.60	68.20	-16.32	peak
6	15600.000	14.25	41.10	37.26	33.96	74.00	-21.95	peak

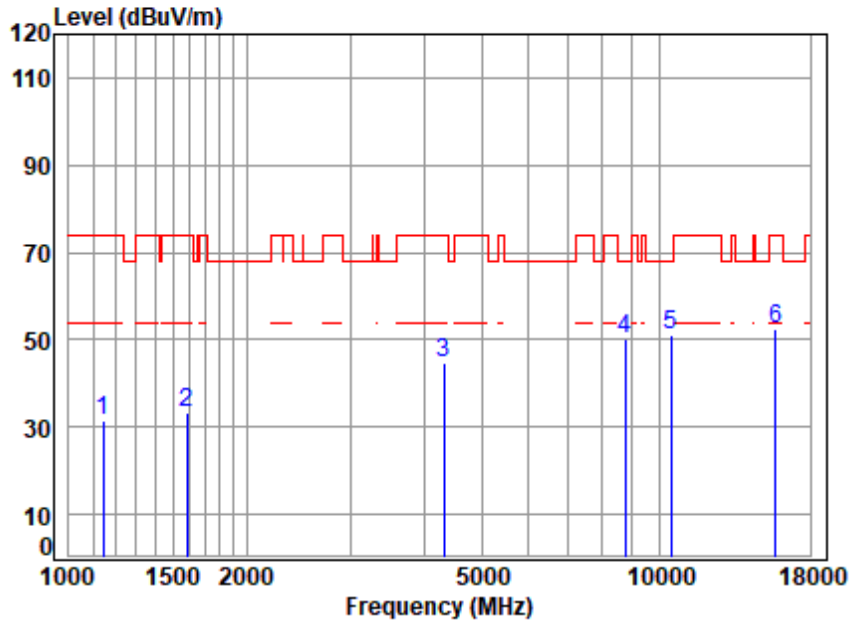


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Test Mode: 09; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:High



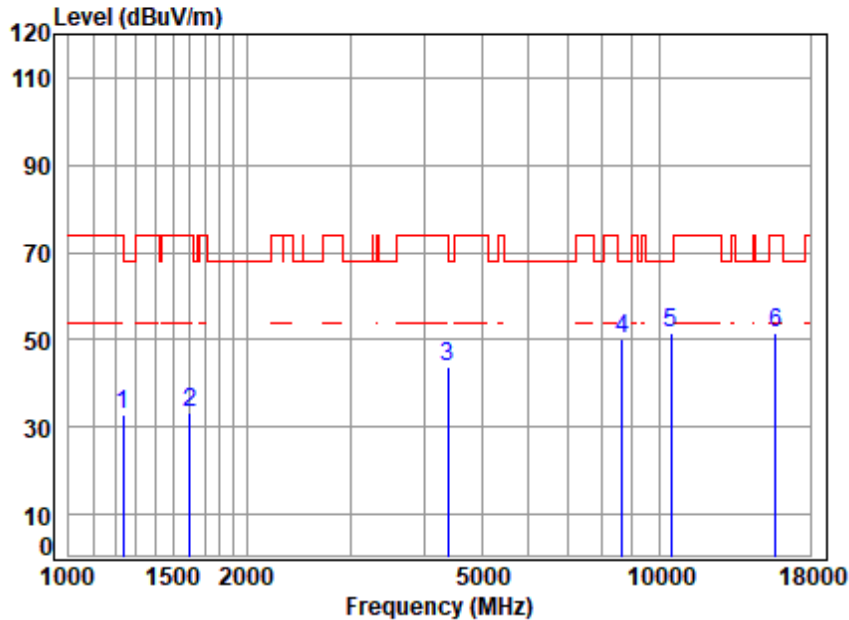
Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 00384AT/00385AT
 Mode : 5240 TX RSE
 Note : 5G WIFI 11A

	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	1145.507	3.48	23.88	38.33	42.32	74.00	-42.65	peak
2	1583.392	4.18	26.87	38.40	40.74	74.00	-40.61	peak
3	4316.859	7.00	34.13	35.86	39.27	74.00	-29.46	peak
4	8764.146	11.51	36.96	37.37	39.14	68.20	-17.96	peak
5	10480.000	12.76	37.26	37.60	38.84	68.20	-16.94	peak
6	15720.000	14.29	41.22	37.31	34.39	74.00	-21.41	peak



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



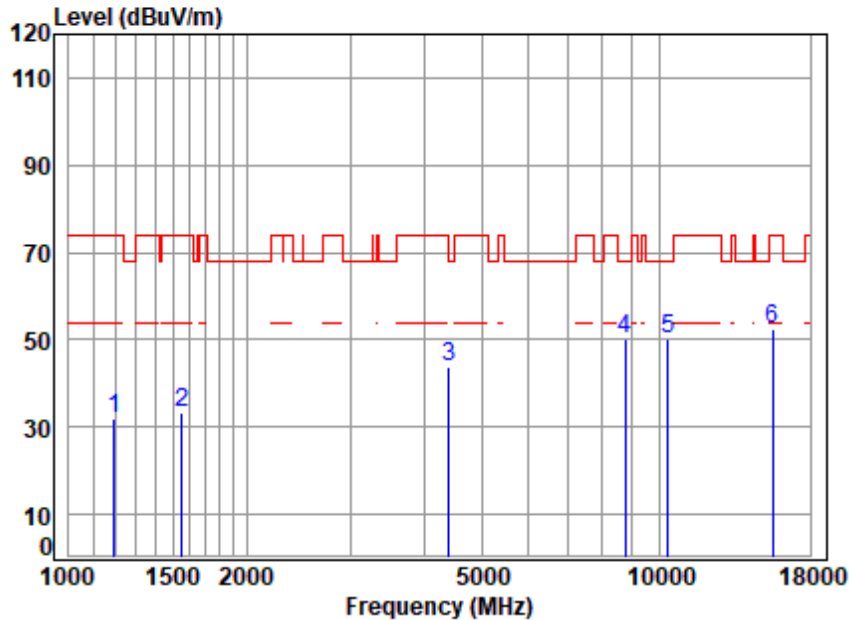
Site : chamber
 Condition: 3m VERTICAL
 Job No : 00384AT/00385AT
 Mode : 5240 TX RSE
 Note : 5G WIFI 11A

	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	1238.483	3.65	24.94	38.35	42.45	74.00	-41.31	peak
2	1601.804	4.20	26.78	38.40	40.65	74.00	-40.77	peak
3	4392.376	7.05	34.74	35.80	37.99	74.00	-30.02	peak
4	8638.399	11.29	36.90	37.24	39.46	68.20	-17.79	peak
5	10480.000	12.76	37.26	37.60	39.32	68.20	-16.46	peak
6	15720.000	14.29	41.22	37.31	33.53	74.00	-22.27	peak



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



Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 00384AT/00385AT
 Mode : 5180 TX RSE
 Note : 5G WIFI 11AX20

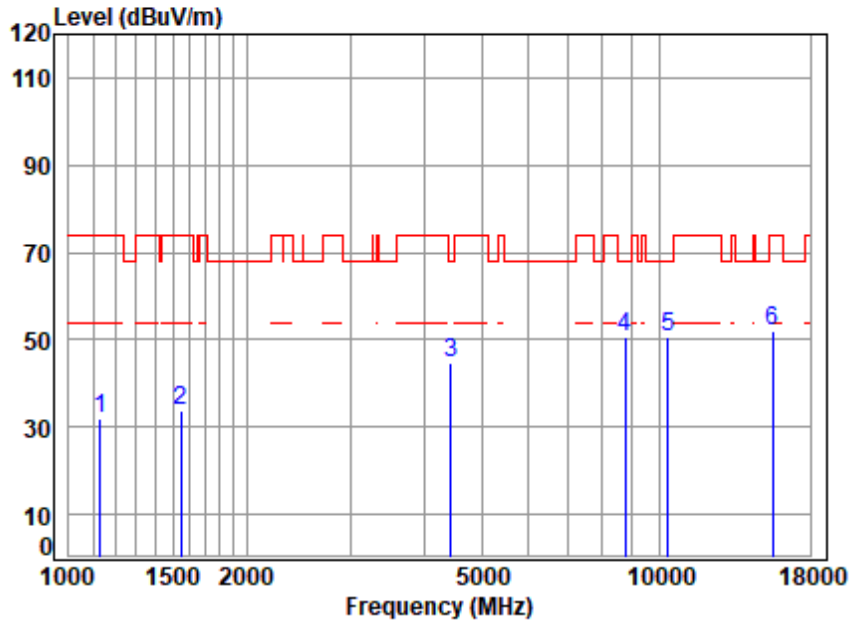
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1192.811	3.57	24.33	38.34	42.56	32.12	74.00	-41.88	peak
2	1556.169	4.14	26.98	38.40	40.41	33.13	74.00	-40.87	peak
3	4405.090	7.06	34.74	35.79	37.74	43.75	68.20	-24.45	peak
4	8764.146	11.51	36.96	37.37	38.96	50.06	68.20	-18.14	peak
5	10360.000	12.73	37.10	37.54	38.08	50.37	68.20	-17.83	peak
6	15540.000	14.23	41.10	37.23	34.40	52.50	74.00	-21.50	peak



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



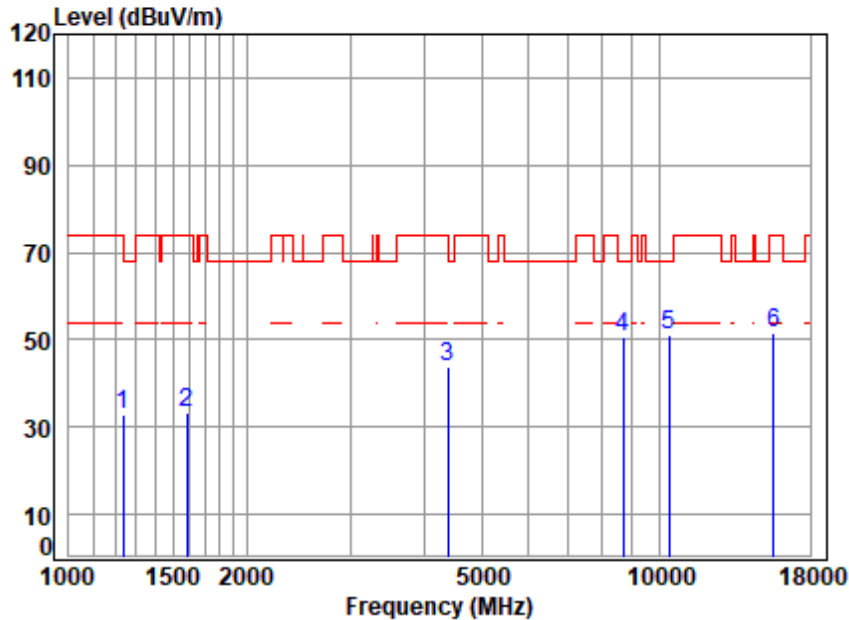
Site : chamber
 Condition: 3m VERTICAL
 Job No : 00384AT/00385AT
 Mode : 5180 TX RSE
 Note : 5G WIFI 11AX20

	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	1129.072	3.45	23.82	38.33	42.81	74.00	-42.25	peak
2	1547.199	4.13	26.99	38.39	40.86	74.00	-40.41	peak
3	4430.628	7.08	34.43	35.77	38.88	68.20	-23.58	peak
4 p	8738.852	11.47	36.90	37.35	39.64	68.20	-17.54	peak
5	10360.000	12.73	37.10	37.54	38.31	68.20	-17.60	peak
6	15540.000	14.23	41.10	37.23	33.91	74.00	-21.99	peak



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



Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 00384AT/00385AT
 Mode : 5200 TX RSE
 Note : 5G WIFI 11AX20

	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	1238.483	3.65	24.94	38.35	42.56	32.80	74.00	-41.20 peak
2	1583.392	4.18	26.87	38.40	40.51	33.16	74.00	-40.84 peak
3	4379.699	7.04	34.64	35.81	38.05	43.92	74.00	-30.08 peak
4	8688.480	11.38	36.90	37.30	39.60	50.58	68.20	-17.62 peak
5	10400.000	12.74	37.10	37.56	38.75	51.03	68.20	-17.17 peak
6	15600.000	14.25	41.10	37.26	33.66	51.75	74.00	-22.25 peak

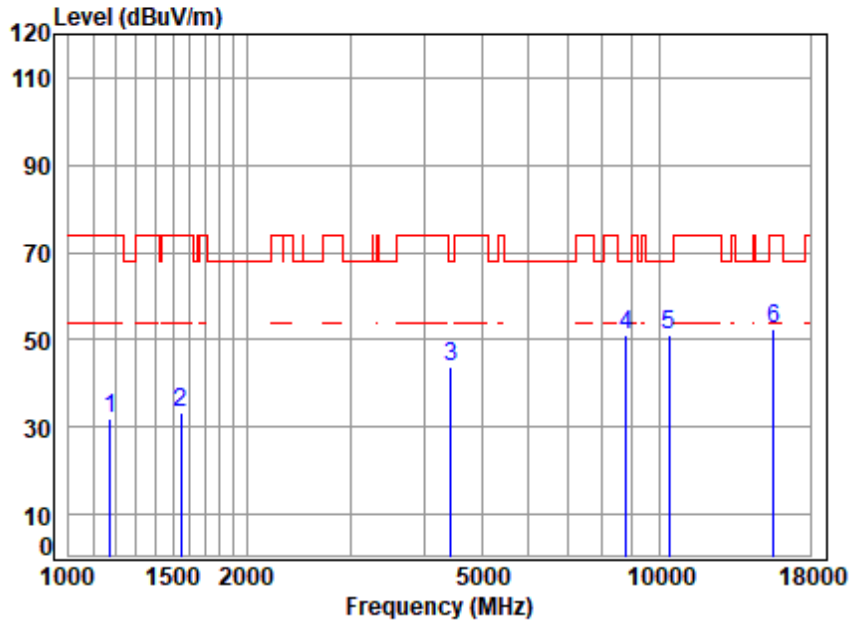


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Test Mode: 09; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:middle



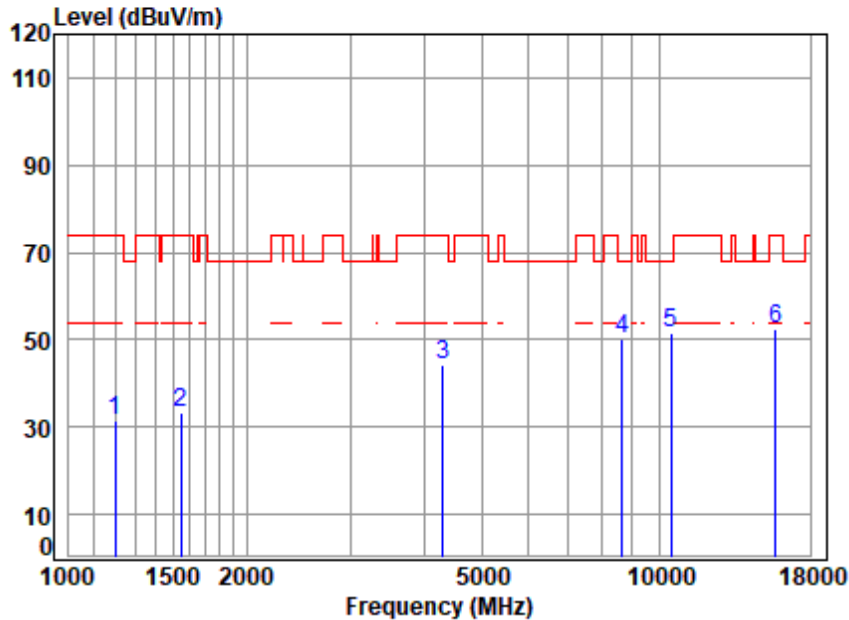
Site : chamber
 Condition: 3m VERTICAL
 Job No : 00384AT/00385AT
 Mode : 5200 TX RSE
 Note : 5G WIFI 11AX20

	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	1175.697	3.54	24.16	38.34	42.50	74.00	-42.14	peak
2	1547.199	4.13	26.99	38.39	40.37	74.00	-40.90	peak
3	4443.453	7.09	34.28	35.77	38.22	68.20	-24.38	peak
4	8789.516	11.55	37.06	37.40	39.67	68.20	-17.32	peak
5	10400.000	12.74	37.10	37.56	38.90	68.20	-17.02	peak
6	15600.000	14.25	41.10	37.26	34.28	74.00	-21.63	peak



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



Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 00384AT/00385AT
 Mode : 5240 TX RSE
 Note : 5G WIFI 11AX20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1196.264	3.58	24.36	38.34	41.96	31.56	74.00	-42.44	peak
2	1547.199	4.13	26.99	38.39	40.53	33.26	74.00	-40.74	peak
3	4304.400	6.99	34.04	35.87	39.08	44.24	74.00	-29.76	peak
4	8663.404	11.33	36.90	37.27	39.18	50.14	68.20	-18.06	peak
5	10480.000	12.76	37.26	37.60	39.01	51.43	68.20	-16.77	peak
6	15720.000	14.29	41.22	37.31	34.12	52.32	74.00	-21.68	peak

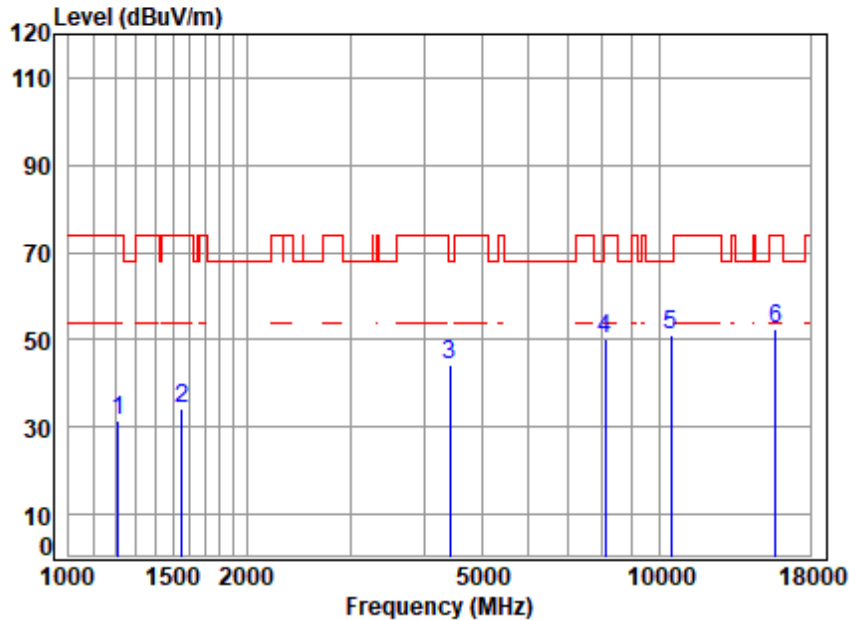


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Test Mode: 09; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:High



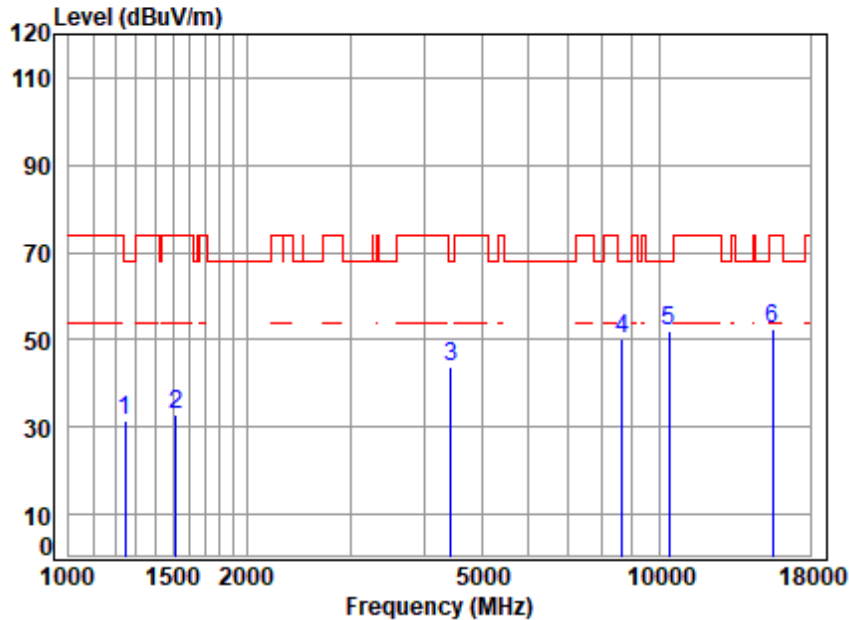
Site : chamber
 Condition: 3m VERTICAL
 Job No : 00384AT/00385AT
 Mode : 5240 TX RSE
 Note : 5G WIFI 11AX20

	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	1210.174	3.60	24.54	38.34	41.66	74.00	-42.54	peak
2	1556.169	4.14	26.98	38.40	41.28	74.00	-40.00	peak
3	4417.841	7.07	34.59	35.78	38.59	68.20	-23.73	peak
4	8106.200	10.30	36.50	36.68	39.85	74.00	-24.03	peak
5	10480.000	12.76	37.26	37.60	38.46	68.20	-17.32	peak
6	15720.000	14.29	41.22	37.31	34.07	74.00	-21.73	peak



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



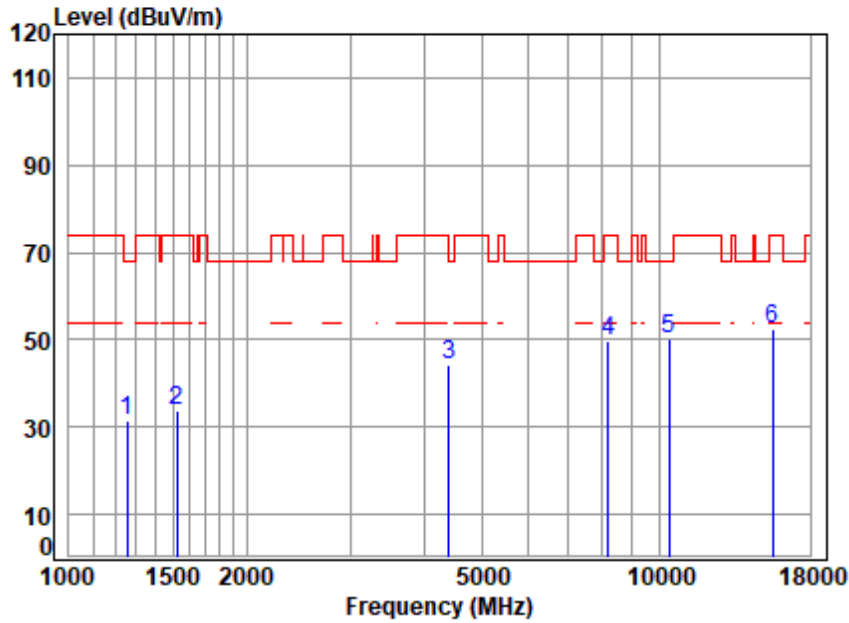
Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 00384AT/00385AT
 Mode : 5190 TX RSE
 Note : 5G WIFI 11AX40

	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	1245.663	3.66	25.04	38.35	41.00	31.35	68.20	-36.85 peak
2	1516.210	4.08	26.86	38.39	40.47	33.02	74.00	-40.98 peak
3	4443.453	7.09	34.28	35.77	38.06	43.66	68.20	-24.54 peak
4	8638.399	11.29	36.90	37.24	39.11	50.06	68.20	-18.14 peak
5	10380.000	12.74	37.10	37.55	39.55	51.84	68.20	-16.36 peak
6	15570.000	14.24	41.10	37.25	34.32	52.41	74.00	-21.59 peak



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



Site : chamber
 Condition: 3m VERTICAL
 Job No : 00384AT/00385AT
 Mode : 5190 TX RSE
 Note : 5G WIFI 11AX40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1256.512	3.68	25.06	38.35	41.08	31.47	68.20	-36.73	peak
2	1525.000	4.10	26.90	38.39	41.14	33.75	74.00	-40.25	peak
3	4405.090	7.06	34.74	35.79	38.19	44.20	68.20	-24.00	peak
4	8200.463	10.48	36.60	36.78	39.46	49.76	74.00	-24.24	peak
5	10380.000	12.74	37.10	37.55	37.97	50.26	68.20	-17.94	peak
6	15570.000	14.24	41.10	37.25	34.53	52.62	74.00	-21.38	peak

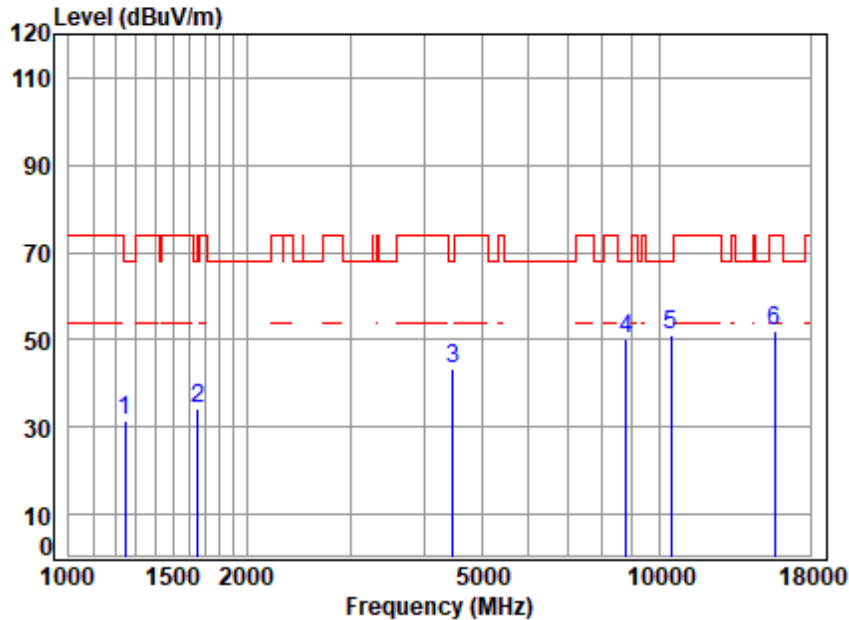


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Test Mode: 09; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:High



Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 00384AT/00385AT
 Mode : 5230 TX RSE
 Note : 5G WIFI 11AX40

	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	1245.663	3.66	25.04	38.35	41.19	31.54	68.20	-36.66 peak
2	1653.550	4.27	26.29	38.41	42.12	34.27	68.20	-33.93 peak
3	4469.214	7.10	33.97	35.75	38.20	43.52	68.20	-24.68 peak
4	8789.516	11.55	37.06	37.40	38.95	50.16	68.20	-18.04 peak
5	10460.000	12.76	37.22	37.59	38.73	51.12	68.20	-17.08 peak
6	15690.000	14.28	41.19	37.30	33.90	52.07	74.00	-21.93 peak

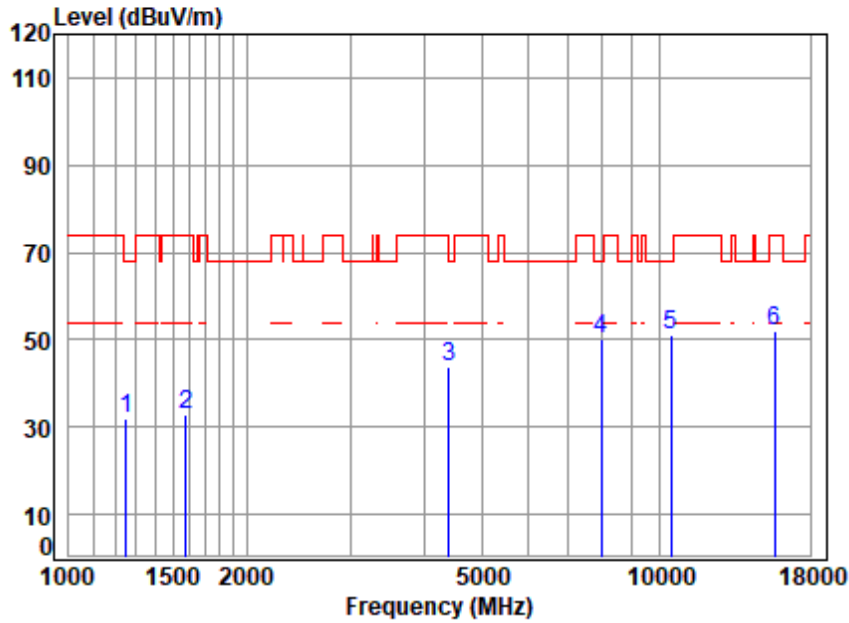


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Test Mode: 09; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:High



Site : chamber
 Condition: 3m VERTICAL
 Job No : 00384AT/00385AT
 Mode : 5230 TX RSE
 Note : 5G WIFI 11AX40

	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	1249.269	3.67	25.09	38.35	41.36	31.77	68.20	-36.43 peak
2	1578.822	4.17	26.88	38.40	40.25	32.90	74.00	-41.10 peak
3	4405.090	7.06	34.74	35.79	37.93	43.94	68.20	-24.26 peak
4	7989.893	10.09	36.40	36.55	40.19	50.13	68.20	-18.07 peak
5	10460.000	12.76	37.22	37.59	38.52	50.91	68.20	-17.29 peak
6	15690.000	14.28	41.19	37.30	33.71	51.88	74.00	-22.12 peak

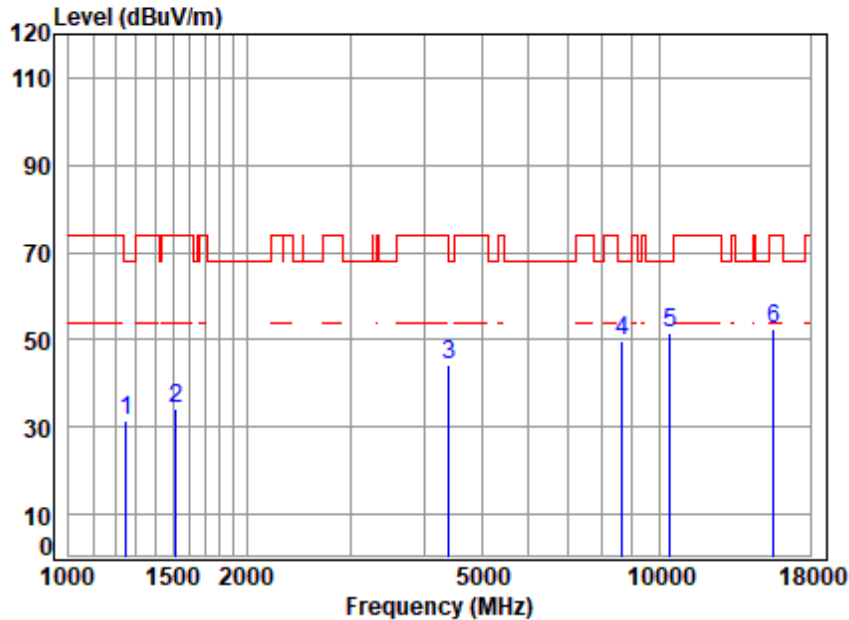


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Test Mode: 09; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:80MHz; Channel:middle



Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 00384AT/00385AT
 Mode : 5210 TX RSE
 Note : 5G WIFI 11AX80

	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	1252.885	3.67	25.08	38.35	40.97	31.37	68.20	-36.83 peak
2	1520.598	4.09	26.88	38.39	41.45	34.03	74.00	-39.97 peak
3	4405.090	7.06	34.74	35.79	38.45	44.46	68.20	-23.74 peak
4	8663.404	11.33	36.90	37.27	38.89	49.85	68.20	-18.35 peak
5	10420.000	12.75	37.14	37.57	39.14	51.46	68.20	-16.74 peak
6	15630.000	14.26	41.13	37.27	34.21	52.33	74.00	-21.67 peak

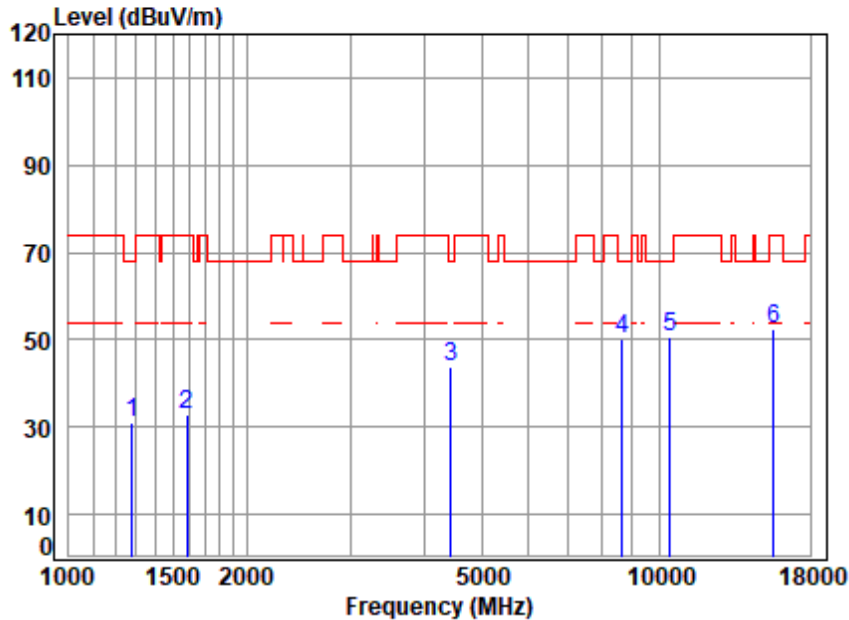


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Test Mode: 09; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:80MHz; Channel:middle



Site : chamber
 Condition: 3m VERTICAL
 Job No : 00384AT/00385AT
 Mode : 5210 TX RSE
 Note : 5G WIFI 11AX80

	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	1282.193	3.72	24.91	38.35	40.80	31.08	68.20	-37.12 peak
2	1583.392	4.18	26.87	38.40	40.27	32.92	74.00	-41.08 peak
3	4430.628	7.08	34.43	35.77	38.18	43.92	68.20	-24.28 peak
4	8663.404	11.33	36.90	37.27	39.07	50.03	68.20	-18.17 peak
5	10420.000	12.75	37.14	37.57	38.25	50.57	68.20	-17.63 peak
6	15630.000	14.26	41.13	37.27	34.55	52.67	74.00	-21.33 peak

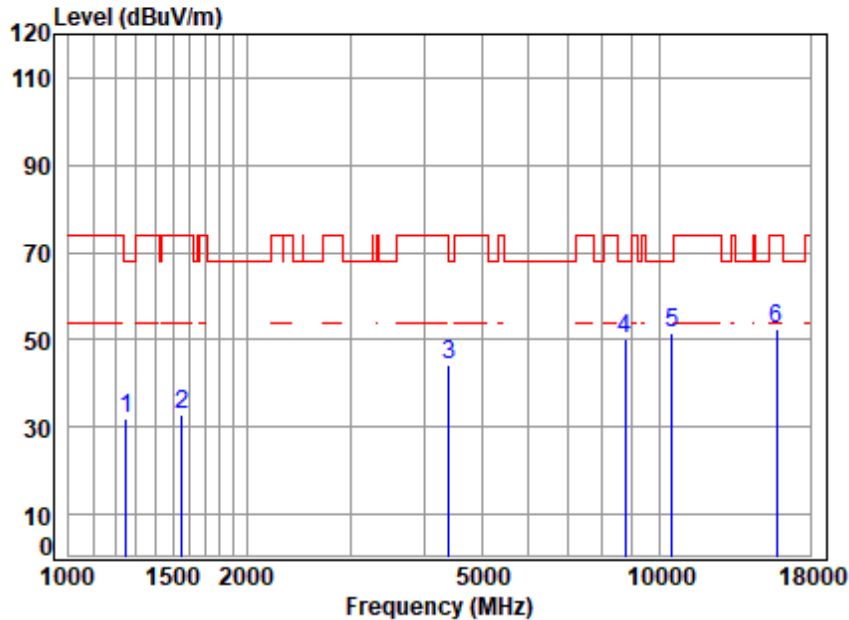


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Test Mode: 10; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 00384AT/00385AT
 Mode : 5260 TX RSE
 Note : 5G WIFI 11A

	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	1252.885	3.67	25.08	38.35	41.63	32.03	68.20	-36.17 peak
2	1551.677	4.13	26.99	38.40	40.02	32.74	74.00	-41.26 peak
3	4405.090	7.06	34.74	35.79	38.31	44.32	68.20	-23.88 peak
4	8764.146	11.51	36.96	37.37	38.92	50.02	68.20	-18.18 peak
5	10520.000	12.77	37.30	37.62	38.91	51.36	68.20	-16.84 peak
6	15780.000	14.31	41.28	37.33	34.13	52.39	74.00	-21.61 peak

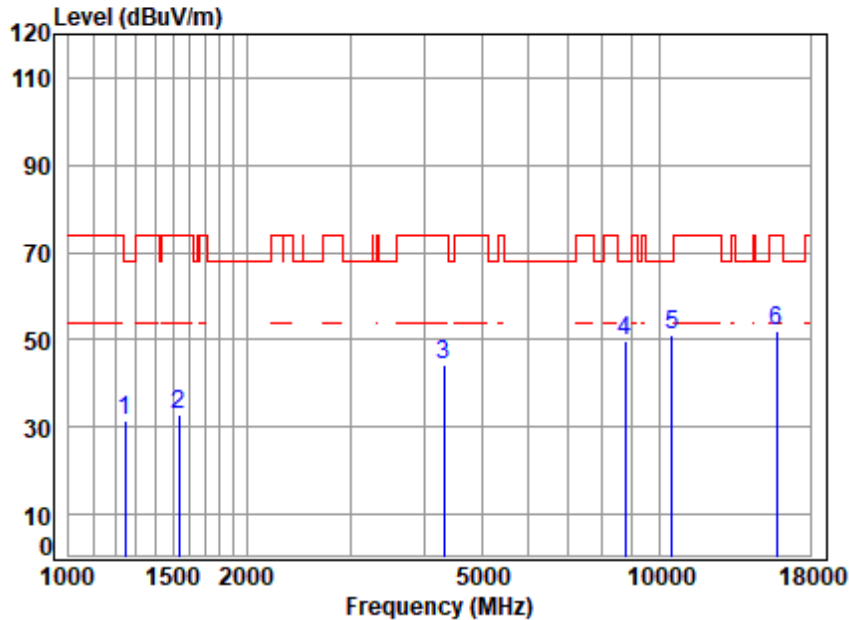


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Test Mode: 10; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



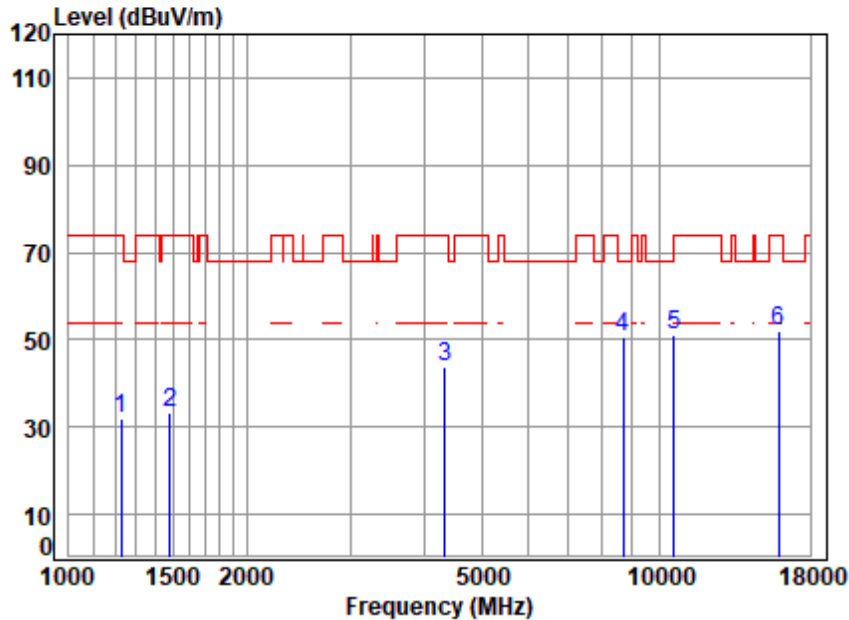
Site : chamber
 Condition: 3m VERTICAL
 Job No : 00384AT/00385AT
 Mode : 5260 TX RSE
 Note : 5G WIFI 11A

	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	1245.663	3.66	25.04	38.35	41.23	31.58	68.20	-36.62 peak
2	1533.841	4.11	26.94	38.39	40.00	32.66	74.00	-41.34 peak
3	4316.859	7.00	34.13	35.86	39.02	44.29	74.00	-29.71 peak
4	8738.852	11.47	36.90	37.35	38.92	49.94	68.20	-18.26 peak
5	10520.000	12.77	37.30	37.62	38.86	51.31	68.20	-16.89 peak
6	15780.000	14.31	41.28	37.33	33.80	52.06	74.00	-21.94 peak



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



Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 00384AT/00385AT
 Mode : 5300 TX RSE
 Note : 5G WIFI 11A

	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	1227.791	3.63	24.79	38.34	42.01	32.09	74.00	-41.91 peak
2	1485.841	4.04	26.40	38.39	41.45	33.50	74.00	-40.50 peak
3	4329.354	7.01	34.23	35.85	38.19	43.58	74.00	-30.42 peak
4	8688.480	11.38	36.90	37.30	39.68	50.66	68.20	-17.54 peak
5	10600.000	12.80	37.30	37.66	38.78	51.22	68.20	-16.98 peak
6	15900.000	14.35	41.40	37.38	33.69	52.06	74.00	-21.94 peak

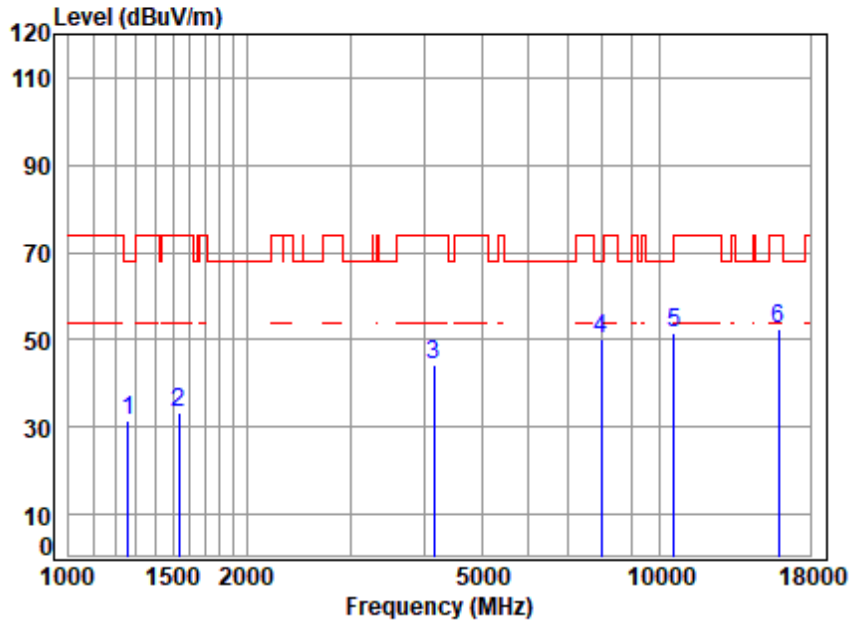


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Test Mode: 10; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:middle



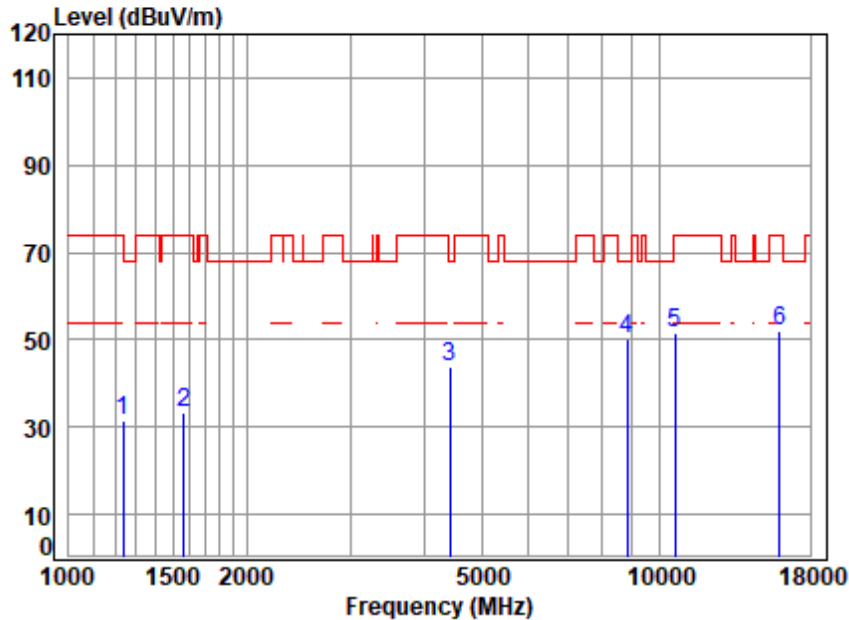
Site : chamber
 Condition: 3m VERTICAL
 Job No : 00384AT/00385AT
 Mode : 5300 TX RSE
 Note : 5G WIFI 11A

	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	1260.149	3.69	25.04	38.35	41.31	31.69	68.20	-36.51 peak
2	1538.281	4.12	26.95	38.39	40.52	33.20	74.00	-40.80 peak
3	4157.664	6.89	33.80	35.98	39.33	44.04	74.00	-29.96 peak
4	7989.893	10.09	36.40	36.55	40.13	50.07	68.20	-18.13 peak
5	10600.000	12.80	37.30	37.66	38.98	51.42	68.20	-16.78 peak
6	15900.000	14.35	41.40	37.38	34.06	52.43	74.00	-21.57 peak



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



Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 00384AT/00385AT
 Mode : 5320 TX RSE
 Note : 5G WIFI 11A

	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	1238.483	3.65	24.94	38.35	41.09	74.00	-42.67	peak
2	1569.721	4.16	26.92	38.40	40.60	74.00	-40.72	peak
3	4417.841	7.07	34.59	35.78	37.75	68.20	-24.57	peak
4 p	8814.957	11.60	37.13	37.42	38.69	68.20	-18.20	peak
5	10640.000	12.81	37.22	37.68	39.19	74.00	-22.46	peak
6	15960.000	14.37	41.52	37.40	33.47	74.00	-22.04	peak

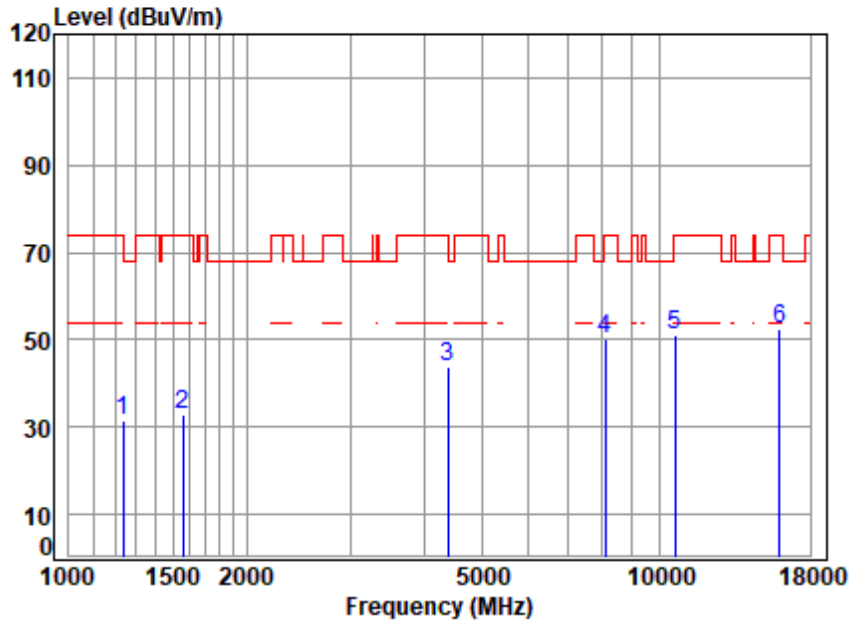


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Test Mode: 10; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Site : chamber
 Condition: 3m VERTICAL
 Job No : 00384AT/00385AT
 Mode : 5320 TX RSE
 Note : 5G WIFI 11A

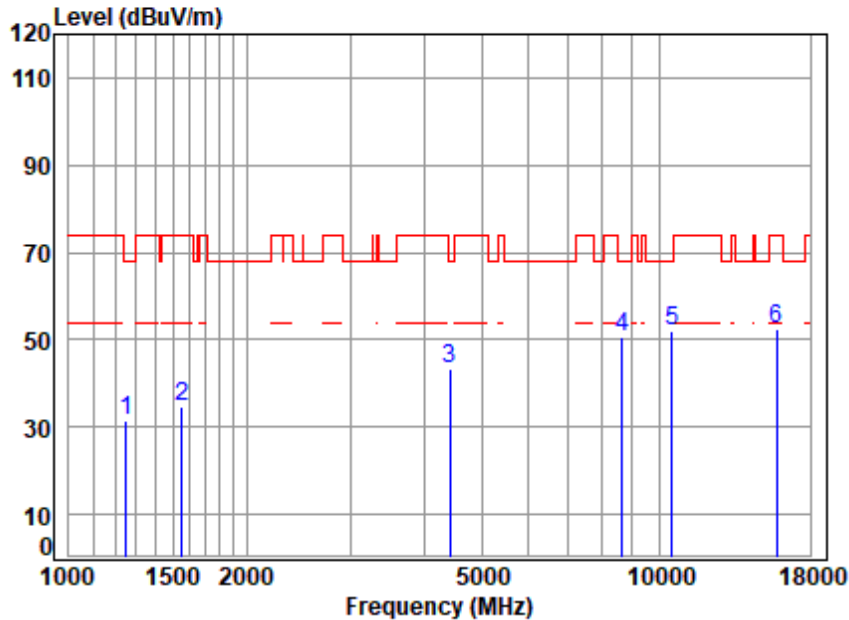
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1234.909	3.64	24.89	38.35	41.26	74.00	-42.56	peak
2	1560.673	4.15	26.96	38.40	40.18	74.00	-41.11	peak
3	4379.699	7.04	34.64	35.81	37.82	74.00	-30.31	peak
4	8106.200	10.30	36.50	36.68	39.85	74.00	-24.03	peak
5	10640.000	12.81	37.22	37.68	38.87	74.00	-22.78	peak
6	p15960.000	14.37	41.52	37.40	34.06	74.00	-21.45	peak



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



Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 00384AT/00385AT
 Mode : 5260 TX RSE
 Note : 5G WIFI 11AX20

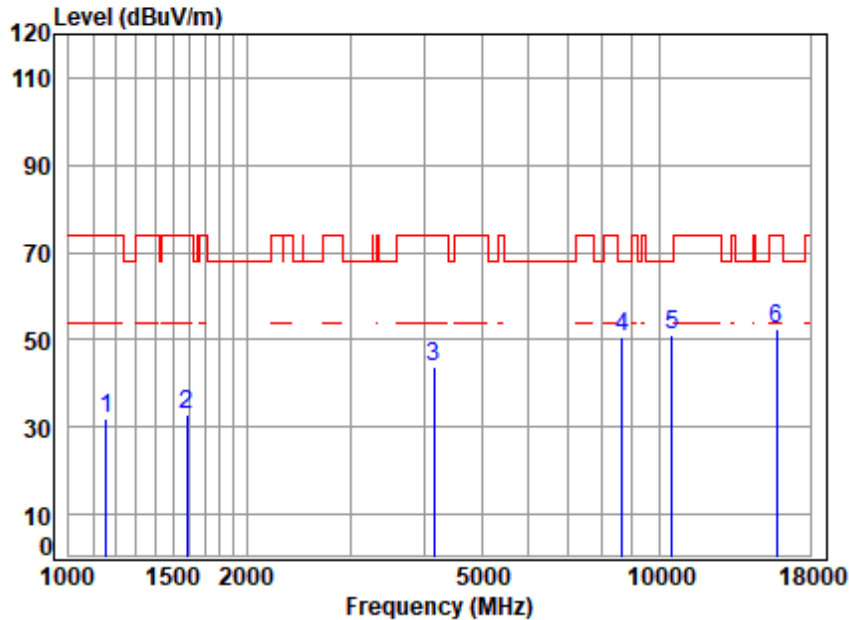
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1252.885	3.67	25.08	38.35	41.06	31.46	68.20	-36.74 peak
2	1556.169	4.14	26.98	38.40	41.87	34.59	74.00	-39.41 peak
3	4417.841	7.07	34.59	35.78	37.42	43.30	68.20	-24.90 peak
4	8638.399	11.29	36.90	37.24	39.65	50.60	68.20	-17.60 peak
5	10520.000	12.77	37.30	37.62	39.49	51.94	68.20	-16.26 peak
6	15780.000	14.31	41.28	37.33	34.12	52.38	74.00	-21.62 peak



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



Site : chamber
 Condition: 3m VERTICAL
 Job No : 00384AT/00385AT
 Mode : 5260 TX RSE
 Note : 5G WIFI 11AX20

	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	1155.483	3.50	23.95	38.33	42.77	74.00	-42.11	peak
2	1583.392	4.18	26.87	38.40	40.21	74.00	-41.14	peak
3	4157.664	6.89	33.80	35.98	39.07	74.00	-30.22	peak
4	8638.399	11.29	36.90	37.24	39.64	68.20	-17.61	peak
5	10520.000	12.77	37.30	37.62	38.71	68.20	-17.04	peak
6	15780.000	14.31	41.28	37.33	34.19	74.00	-21.55	peak

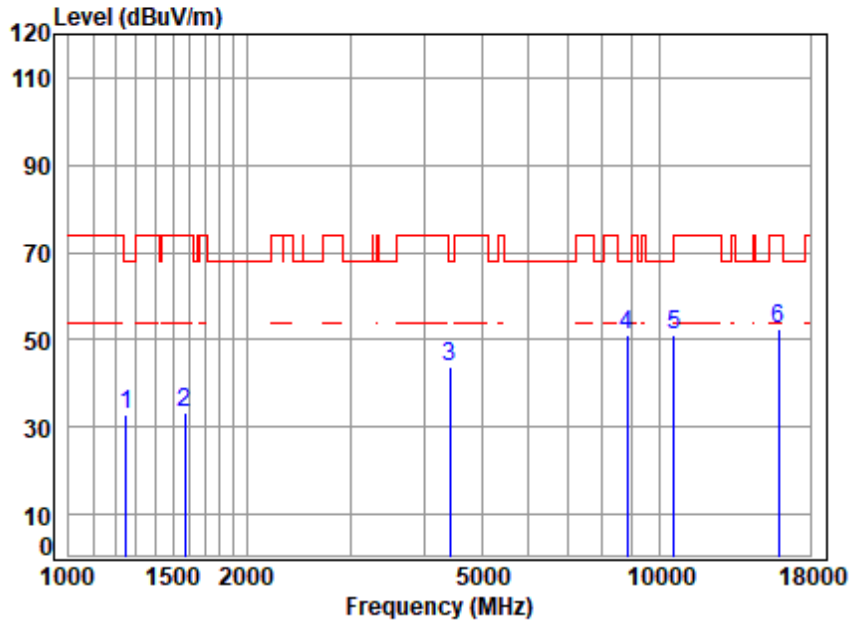


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Test Mode: 10; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:middle



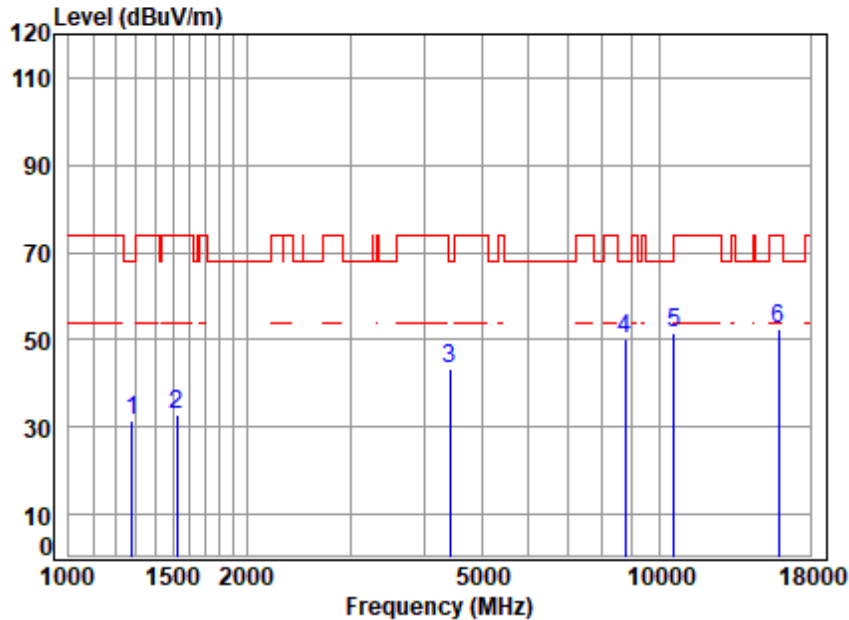
Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 00384AT/00385AT
 Mode : 5300 TX RSE
 Note : 5G WIFI 11AX20

	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	1252.885	3.67	25.08	38.35	42.33	32.73	68.20	-35.47 peak
2	1574.265	4.17	26.90	38.40	40.42	33.09	74.00	-40.91 peak
3	4417.841	7.07	34.59	35.78	38.07	43.95	68.20	-24.25 peak
4	8814.957	11.60	37.13	37.42	39.67	50.98	68.20	-17.22 peak
5	10600.000	12.80	37.30	37.66	38.70	51.14	68.20	-17.06 peak
6	15900.000	14.35	41.40	37.38	34.06	52.43	74.00	-21.57 peak



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



Site : chamber
 Condition: 3m VERTICAL
 Job No : 00384AT/00385AT
 Mode : 5300 TX RSE
 Note : 5G WIFI 11AX20

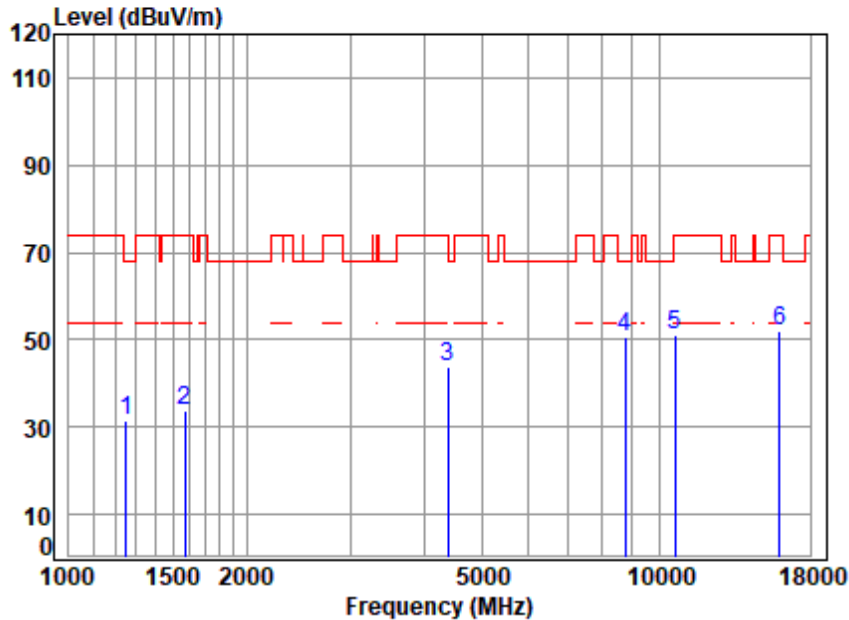
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1282.193	3.72	24.91	38.35	41.31	68.20	-36.61	peak
2	1525.000	4.10	26.90	38.39	40.26	74.00	-41.13	peak
3	4417.841	7.07	34.59	35.78	37.62	68.20	-24.70	peak
4	8738.852	11.47	36.90	37.35	39.28	68.20	-17.90	peak
5	10600.000	12.80	37.30	37.66	39.14	68.20	-16.62	peak
6	15900.000	14.35	41.40	37.38	34.25	74.00	-21.38	peak



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



Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 00384AT/00385AT
 Mode : 5320 TX RSE
 Note : 5G WIFI 11AX20

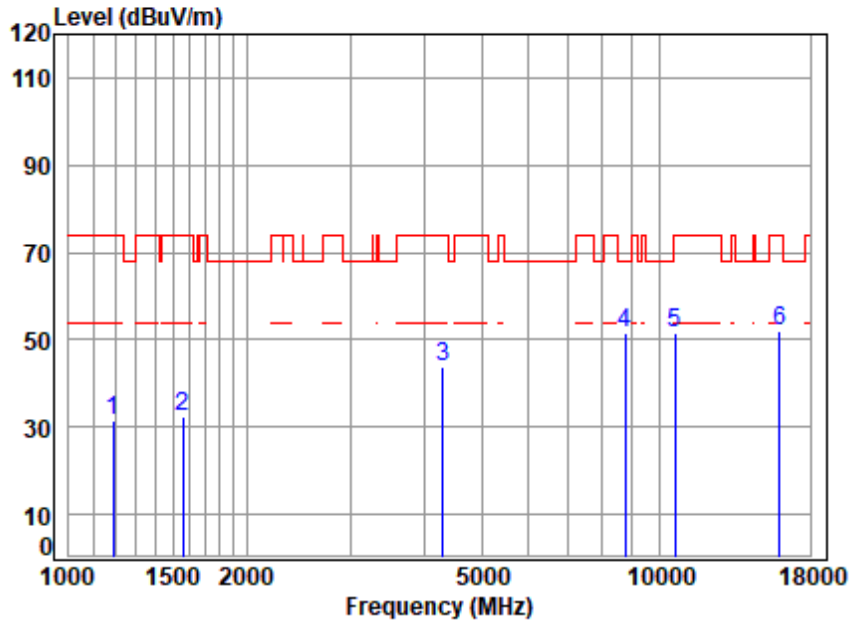
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1249.269	3.67	25.09	38.35	41.10	31.51	68.20	-36.69 peak
2	1574.265	4.17	26.90	38.40	40.90	33.57	74.00	-40.43 peak
3	4392.376	7.05	34.74	35.80	37.72	43.71	74.00	-30.29 peak
4 p	8764.146	11.51	36.96	37.37	39.51	50.61	68.20	-17.59 peak
5	10640.000	12.81	37.22	37.68	38.83	51.18	74.00	-22.82 peak
6	15960.000	14.37	41.52	37.40	33.49	51.98	74.00	-22.02 peak



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



Site : chamber
 Condition: 3m VERTICAL
 Job No : 00384AT/00385AT
 Mode : 5320 TX RSE
 Note : 5G WIFI 11AX20

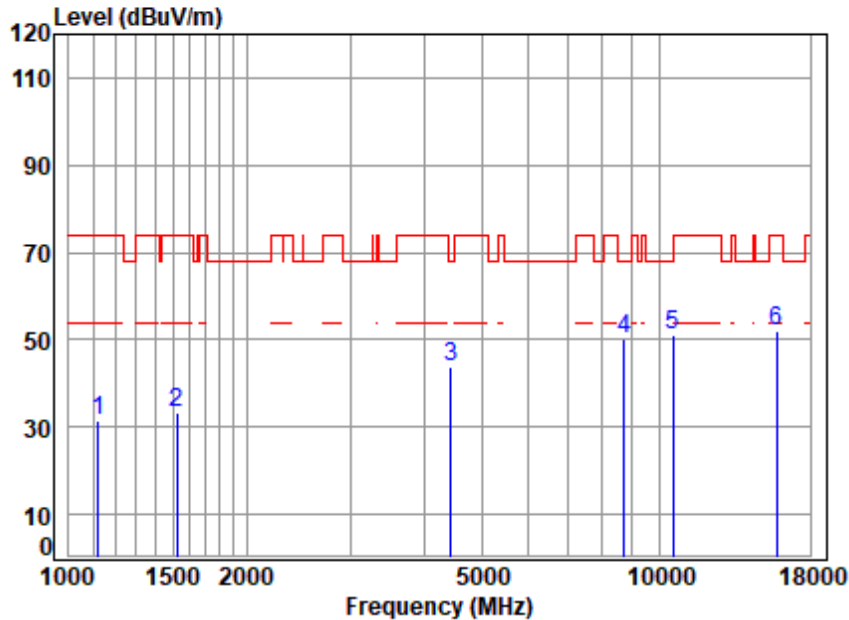
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1189.368	3.56	24.29	38.34	42.00	74.00	-42.49	peak
2	1560.673	4.15	26.96	38.40	39.84	74.00	-41.45	peak
3	4304.400	6.99	34.04	35.87	38.78	74.00	-30.06	peak
4 p	8764.146	11.51	36.96	37.37	40.27	68.20	-16.83	peak
5	10640.000	12.81	37.22	37.68	39.43	74.00	-22.22	peak
6	15960.000	14.37	41.52	37.40	33.44	74.00	-22.07	peak



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



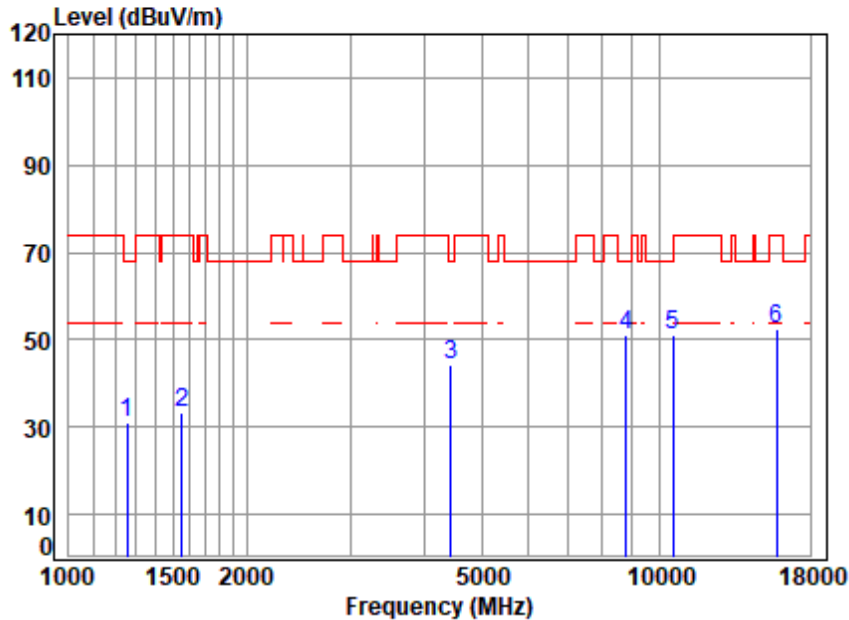
Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 00384AT/00385AT
 Mode : 5270 TX RSE
 Note : 5G WIFI 11AX40

	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	1122.563	3.44	23.79	38.33	42.38	74.00	-42.72	peak
2	1525.000	4.10	26.90	38.39	40.76	74.00	-40.63	peak
3	4443.453	7.09	34.28	35.77	38.11	68.20	-24.49	peak
4	8713.630	11.42	36.90	37.32	39.22	68.20	-17.98	peak
5	10540.000	12.78	37.30	37.63	38.68	68.20	-17.07	peak
6	15810.000	14.32	41.31	37.34	33.68	74.00	-22.03	peak



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



Site : chamber
 Condition: 3m VERTICAL
 Job No : 00384AT/00385AT
 Mode : 5270 TX RSE
 Note : 5G WIFI 11AX40

	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	1256.512	3.68	25.06	38.35	40.72	31.11	68.20	-37.09 peak
2	1551.677	4.13	26.99	38.40	40.59	33.31	74.00	-40.69 peak
3	4443.453	7.09	34.28	35.77	38.60	44.20	68.20	-24.00 peak
4	8789.516	11.55	37.06	37.40	39.74	50.95	68.20	-17.25 peak
5	10540.000	12.78	37.30	37.63	38.78	51.23	68.20	-16.97 peak
6	15810.000	14.32	41.31	37.34	34.23	52.52	74.00	-21.48 peak

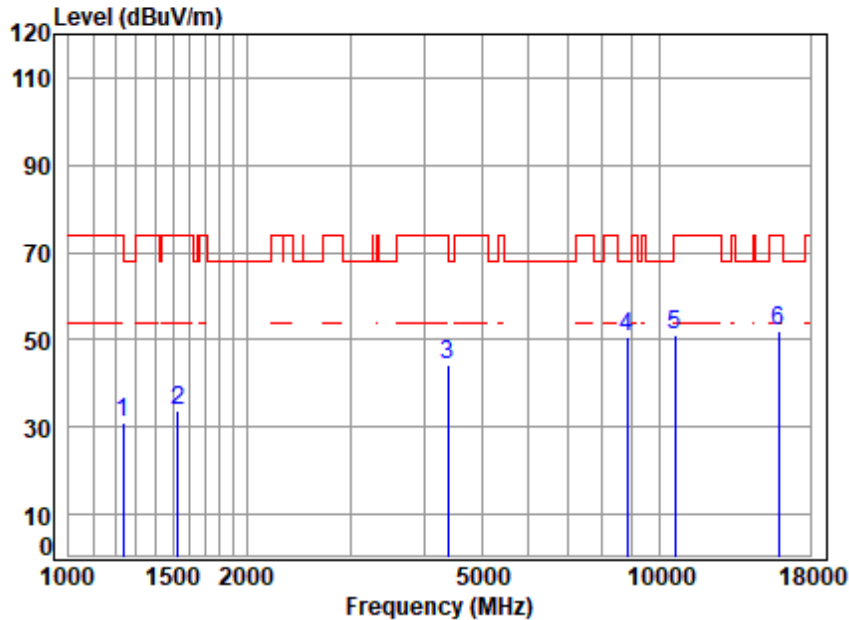


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Test Mode: 10; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:High



Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 00384AT/00385AT
 Mode : 5310 TX RSE
 Note : 5G WIFI 11AX40

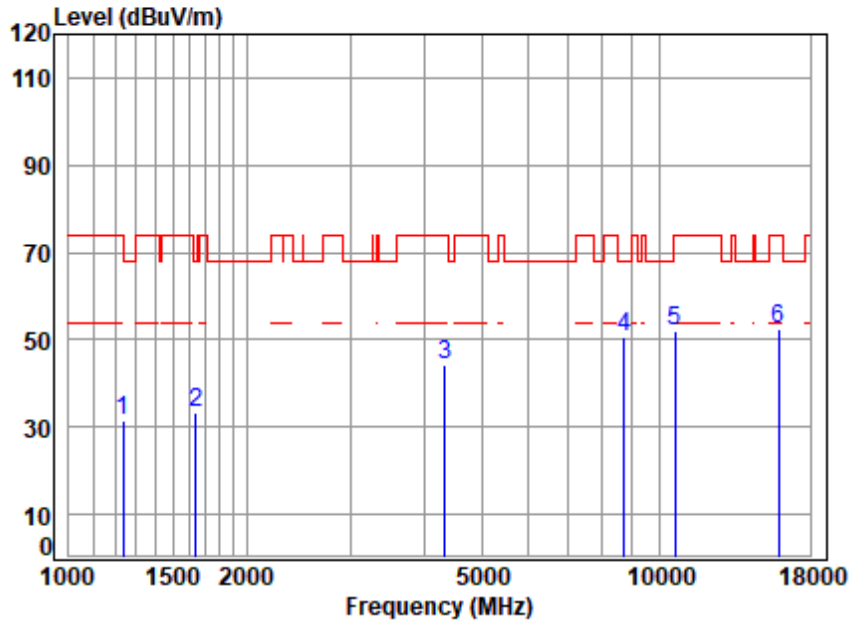
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1238.483	3.65	24.94	38.35	40.79	74.00	-42.97	peak
2	1529.414	4.10	26.92	38.39	40.99	74.00	-40.38	peak
3	4392.376	7.05	34.74	35.80	38.28	74.00	-29.73	peak
4 p	8814.957	11.60	37.13	37.42	39.36	68.20	-17.53	peak
5	10620.000	12.80	37.26	37.67	38.88	74.00	-22.73	peak
6	15930.000	14.36	41.46	37.39	33.62	74.00	-21.95	peak



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



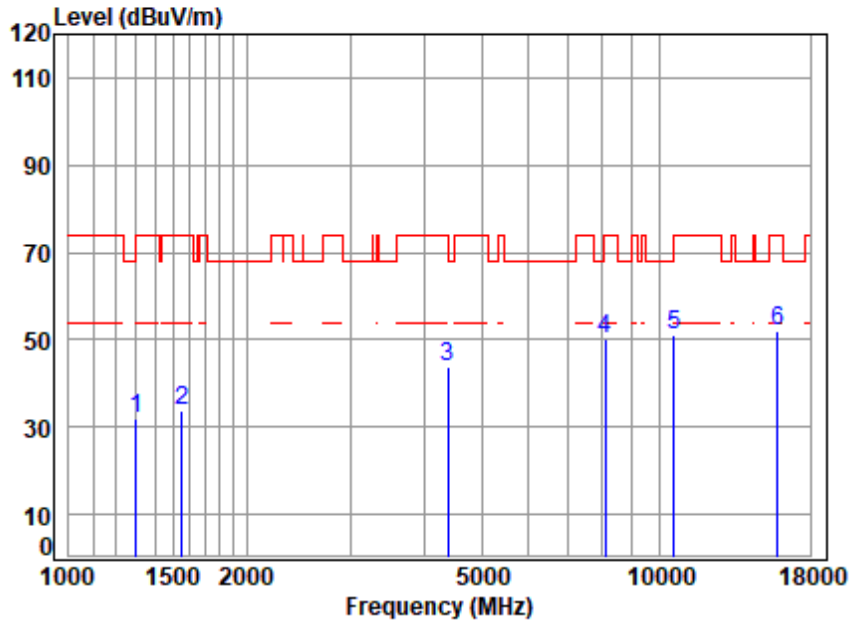
Site : chamber
 Condition: 3m VERTICAL
 Job No : 00384AT/00385AT
 Mode : 5310 TX RSE
 Note : 5G WIFI 11AX40

	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	1238.483	3.65	24.94	38.35	41.42	74.00	-42.34	peak
2	1644.019	4.26	26.36	38.41	41.09	68.20	-34.90	peak
3	4341.886	7.02	34.34	35.84	38.63	74.00	-29.85	peak
4 p	8713.630	11.42	36.90	37.32	39.53	68.20	-17.67	peak
5	10620.000	12.80	37.26	37.67	39.58	74.00	-22.03	peak
6	15930.000	14.36	41.46	37.39	33.90	74.00	-21.67	peak



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



Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 00384AT/00385AT
 Mode : 5290 TX RSE
 Note : 5G WIFI 11AX80

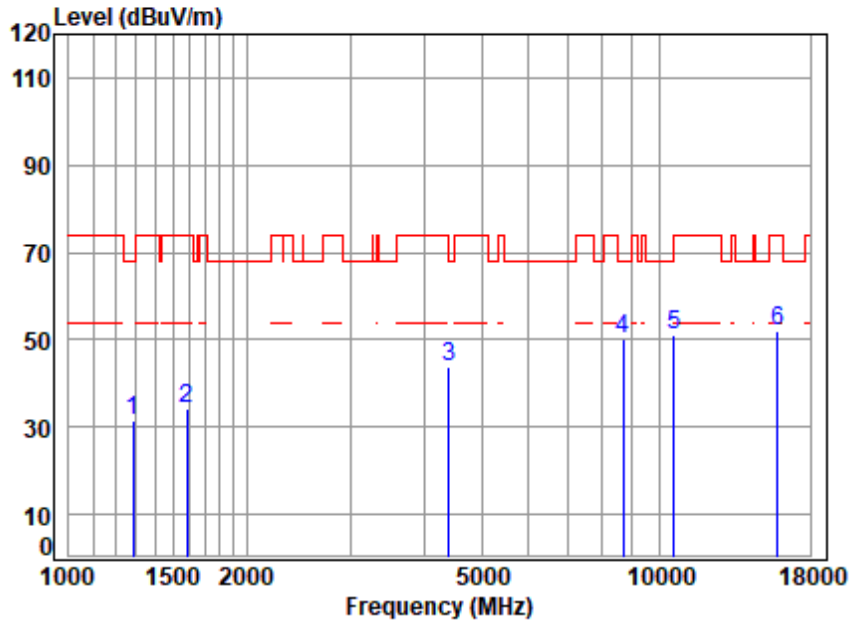
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1300.858	3.76	24.79	38.36	41.64	31.83	74.00	-42.17 peak
2	1556.169	4.14	26.98	38.40	40.84	33.56	74.00	-40.44 peak
3	4392.376	7.05	34.74	35.80	37.83	43.82	74.00	-30.18 peak
4	8106.200	10.30	36.50	36.68	39.94	50.06	74.00	-23.94 peak
5	10580.000	12.79	37.30	37.65	38.65	51.09	68.20	-17.11 peak
6	15870.000	14.34	41.37	37.37	33.63	51.97	74.00	-22.03 peak



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



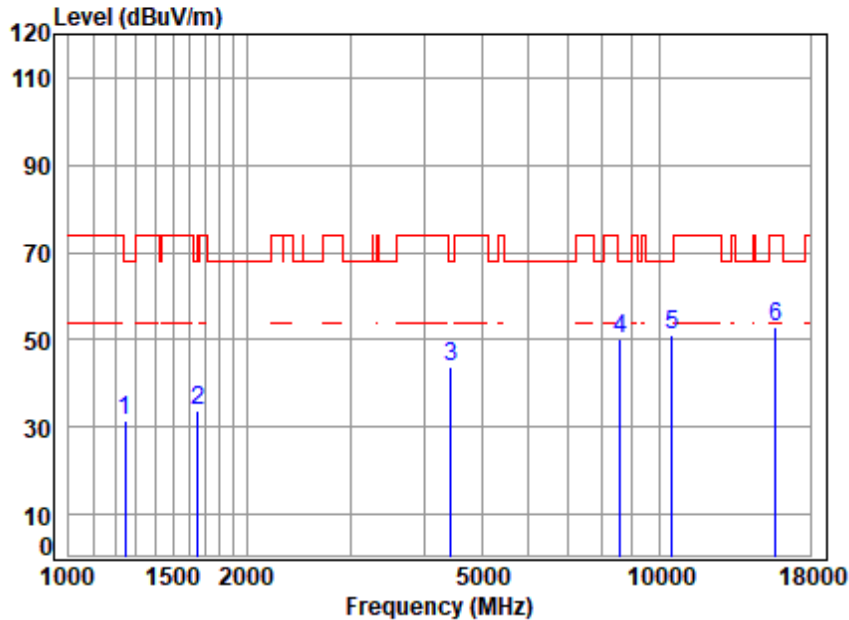
Site : chamber
 Condition: 3m VERTICAL
 Job No : 00384AT/00385AT
 Mode : 5290 TX RSE
 Note : 5G WIFI 11AX80

	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	1285.904	3.73	24.88	38.35	41.14	31.40	68.20	-36.80 peak
2	1587.975	4.18	26.85	38.40	41.39	34.02	74.00	-39.98 peak
3	4405.090	7.06	34.74	35.79	37.92	43.93	68.20	-24.27 peak
4	8688.480	11.38	36.90	37.30	39.24	50.22	68.20	-17.98 peak
5	10580.000	12.79	37.30	37.65	38.69	51.13	68.20	-17.07 peak
6	15870.000	14.34	41.37	37.37	33.83	52.17	74.00	-21.83 peak



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Test Mode: 10; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:160MHz; Channel:middle



Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 00384AT/00385AT
 Mode : 5250 TX RSE
 Note : 5G WIFI 11AX160

	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	1245.663	3.66	25.04	38.35	41.17	31.52	68.20	-36.68	peak
2	1653.550	4.27	26.29	38.41	41.72	33.87	68.20	-34.33	peak
3	4430.628	7.08	34.43	35.77	38.21	43.95	68.20	-24.25	peak
4	8588.607	11.20	36.88	37.19	39.09	49.98	68.20	-18.22	peak
5	10500.000	12.77	37.30	37.61	38.59	51.05	68.20	-17.15	peak
6	15750.000	14.30	41.25	37.32	34.82	53.05	74.00	-20.95	peak

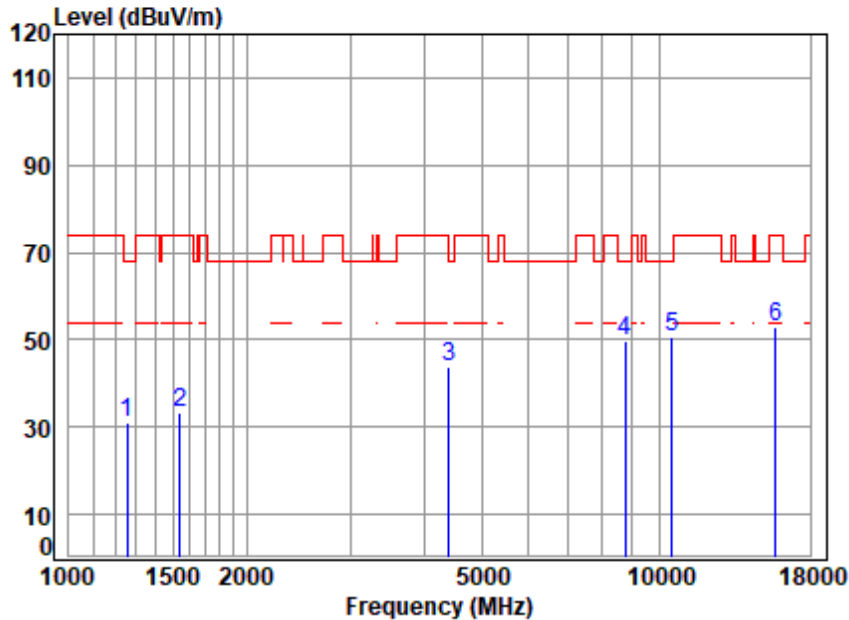


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Test Mode: 10; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:160MHz; Channel:middle



Site : chamber
 Condition: 3m VERTICAL
 Job No : 00384AT/00385AT
 Mode : 5250 TX RSE
 Note : 5G WIFI 11AX160

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1256.512	3.68	25.06	38.35	40.84	31.23	68.20	-36.97	peak
2	1542.733	4.12	26.97	38.39	40.39	33.09	74.00	-40.91	peak
3	4405.090	7.06	34.74	35.79	37.62	43.63	68.20	-24.57	peak
4	8764.146	11.51	36.96	37.37	38.52	49.62	68.20	-18.58	peak
5	10500.000	12.77	37.30	37.61	38.35	50.81	68.20	-17.39	peak
6	15750.000	14.30	41.25	37.32	34.47	52.70	74.00	-21.30	peak

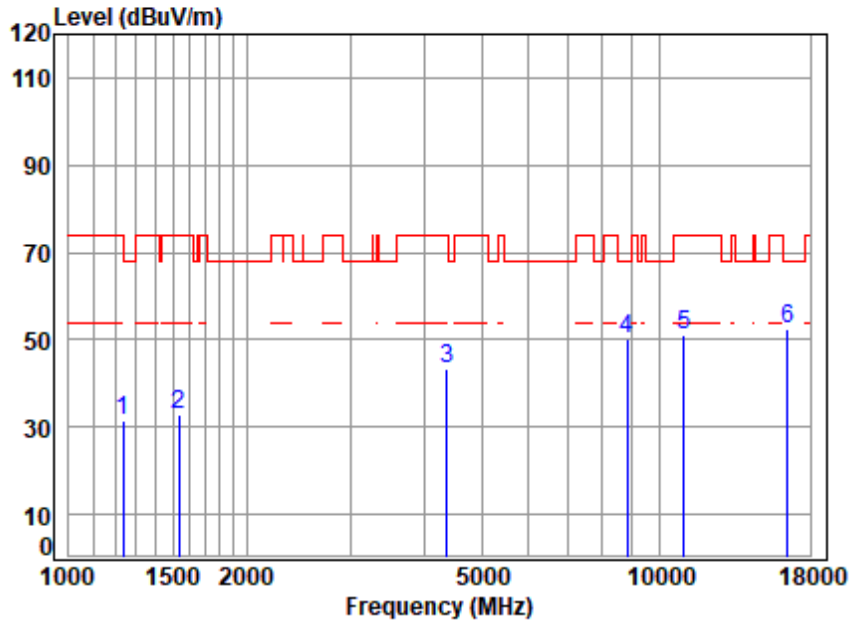


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Test Mode: 11; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



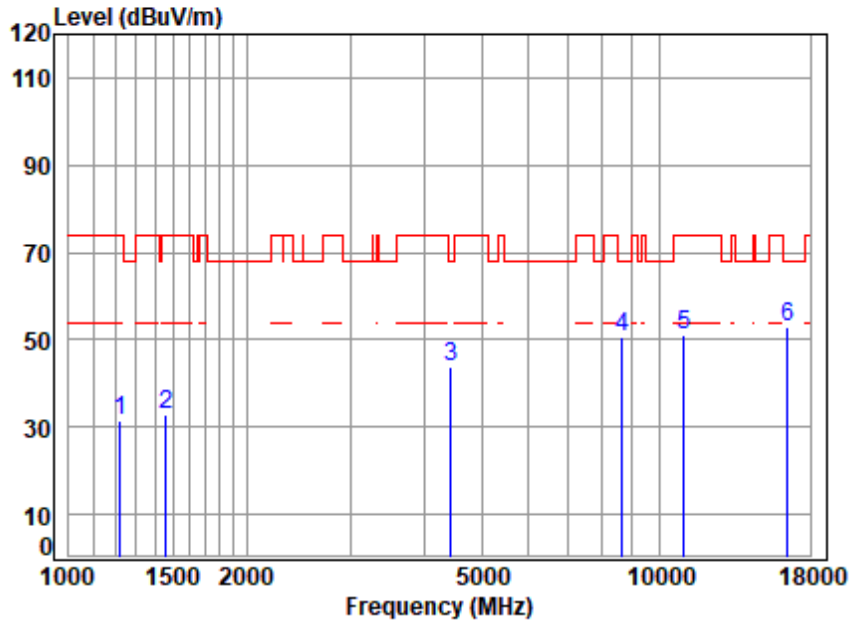
Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 00384AT/00385AT
 Mode : 5500 TX RSE
 Note : 5G WIFI 11A

	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	1234.909	3.64	24.89	38.35	41.49	31.67	74.00	-42.33 peak
2	1533.841	4.11	26.94	38.39	40.31	32.97	74.00	-41.03 peak
3	4367.058	7.04	34.54	35.82	37.70	43.46	74.00	-30.54 peak
4	8814.957	11.60	37.13	37.42	38.97	50.28	68.20	-17.92 peak
5	11000.000	12.90	37.50	37.84	38.53	51.09	74.00	-22.91 peak
6	p16500.000	14.47	42.10	37.47	33.22	52.32	68.20	-15.88 peak



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Test Mode: 11; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



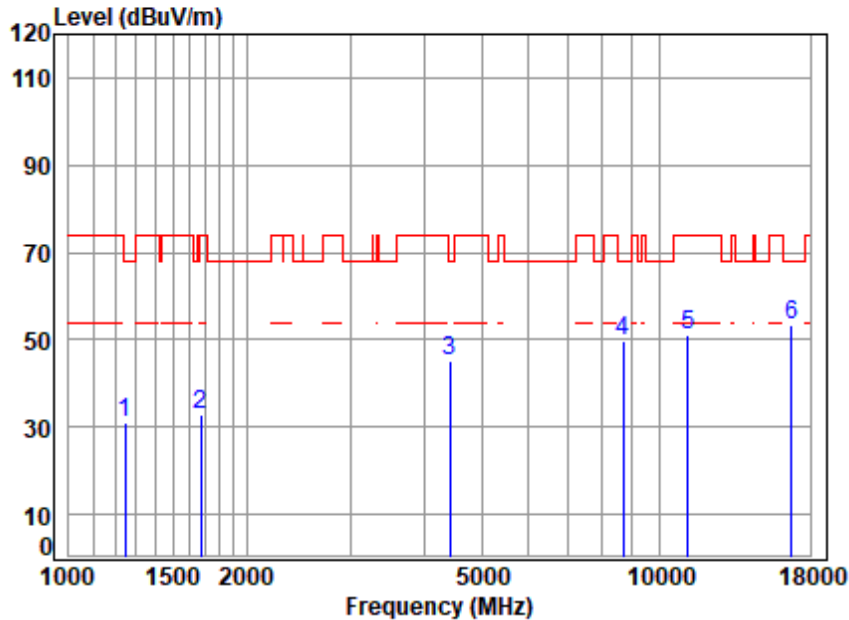
Site : chamber
 Condition: 3m VERTICAL
 Job No : 00384AT/00385AT
 Mode : 5500 TX RSE
 Note : 5G WIFI 11A

	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	1224.247	3.62	24.74	38.34	41.55	74.00	-42.43	peak
2	1460.295	4.00	25.69	38.38	41.73	74.00	-40.96	peak
3	4443.453	7.09	34.28	35.77	37.99	68.20	-24.61	peak
4	8663.404	11.33	36.90	37.27	39.66	68.20	-17.58	peak
5	11000.000	12.90	37.50	37.84	38.55	74.00	-22.89	peak
6	p16500.000	14.47	42.10	37.47	33.98	68.20	-15.12	peak



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Test Mode: 11; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:middle



Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 00384AT/00385AT
 Mode : 5580 TX RSE
 Note : 5G WIFI 11A

	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	1245.663	3.66	25.04	38.35	40.79	31.14	68.20	-37.06 peak
2	1672.779	4.30	26.25	38.41	40.71	32.85	74.00	-41.15 peak
3	4417.841	7.07	34.59	35.78	39.23	45.11	68.20	-23.09 peak
4	8688.480	11.38	36.90	37.30	38.63	49.61	68.20	-18.59 peak
5	11160.000	12.93	37.62	37.79	38.25	51.01	74.00	-22.99 peak
6	p16740.000	14.51	42.78	37.49	33.60	53.40	68.20	-14.80 peak

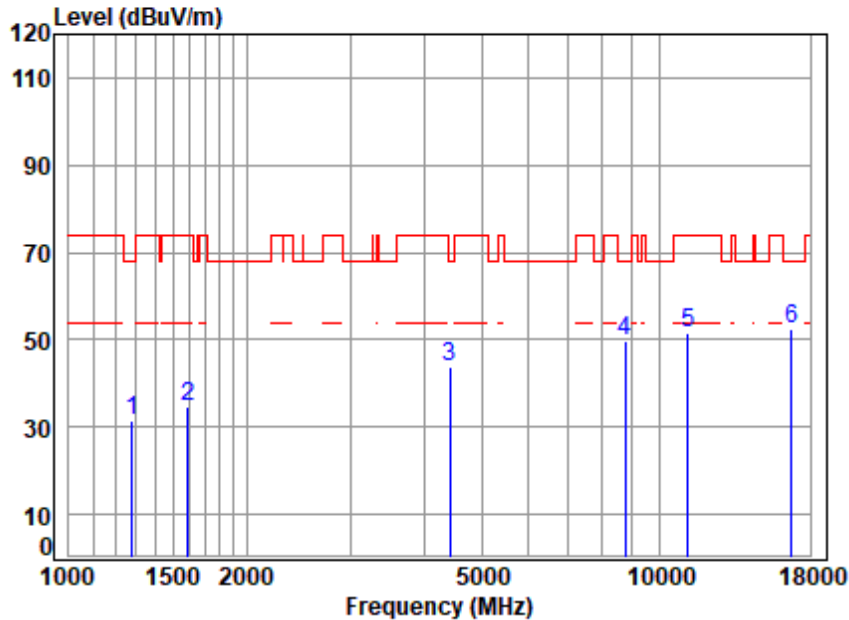


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Test Mode: 11; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:middle



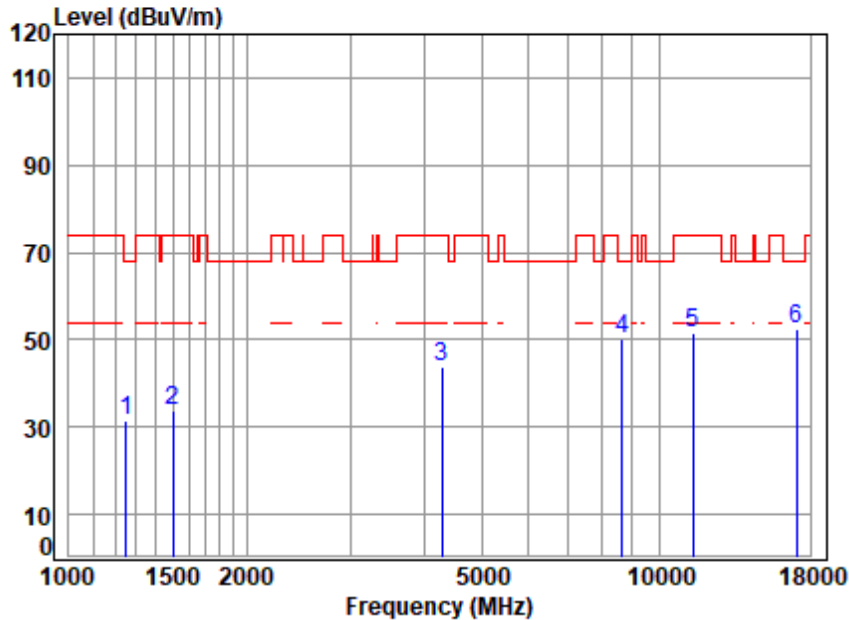
Site : chamber
 Condition: 3m VERTICAL
 Job No : 00384AT/00385AT
 Mode : 5580 TX RSE
 Note : 5G WIFI 11A

	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	1278.492	3.72	24.93	38.35	41.32	68.20	-36.58	peak
2	1592.571	4.19	26.83	38.40	42.12	74.00	-39.26	peak
3	4417.841	7.07	34.59	35.78	37.98	68.20	-24.34	peak
4	8764.146	11.51	36.96	37.37	38.78	68.20	-18.32	peak
5	11160.000	12.93	37.62	37.79	38.72	74.00	-22.52	peak
6	p16740.000	14.51	42.78	37.49	32.71	68.20	-15.69	peak



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Test Mode: 11; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 00384AT/00385AT
 Mode : 5700 TX RSE
 Note : 5G WIFI 11A

	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	1252.885	3.67	25.08	38.35	41.10	31.50	68.20	-36.70 peak
2	1503.119	4.07	26.81	38.39	41.21	33.70	74.00	-40.30 peak
3	4291.977	6.99	33.97	35.88	38.88	43.96	74.00	-30.04 peak
4	8663.404	11.33	36.90	37.27	39.00	49.96	68.20	-18.24 peak
5	11400.000	12.98	37.70	37.72	38.57	51.53	74.00	-22.47 peak
6	p17100.000	14.62	43.10	37.53	32.38	52.57	68.20	-15.63 peak

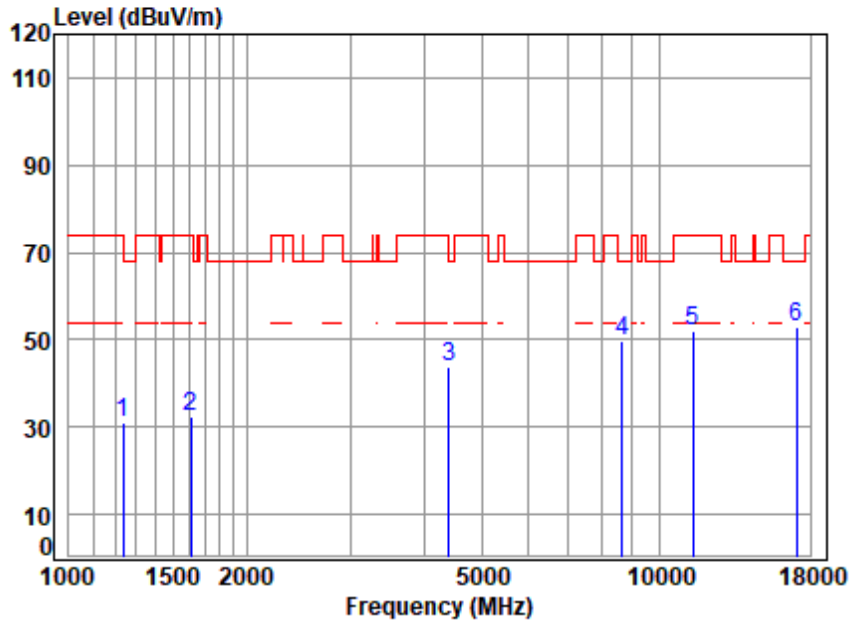


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Test Mode: 11; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Site : chamber
 Condition: 3m VERTICAL
 Job No : 00384AT/00385AT
 Mode : 5700 TX RSE
 Note : 5G WIFI 11A

	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	1238.483	3.65	24.94	38.35	40.94	31.18	74.00	-42.82 peak
2	1611.091	4.22	26.69	38.40	39.94	32.45	74.00	-41.55 peak
3	4405.090	7.06	34.74	35.79	37.92	43.93	68.20	-24.27 peak
4	8638.399	11.29	36.90	37.24	38.66	49.61	68.20	-18.59 peak
5	11400.000	12.98	37.70	37.72	38.85	51.81	74.00	-22.19 peak
6	p17100.000	14.62	43.10	37.53	32.83	53.02	68.20	-15.18 peak

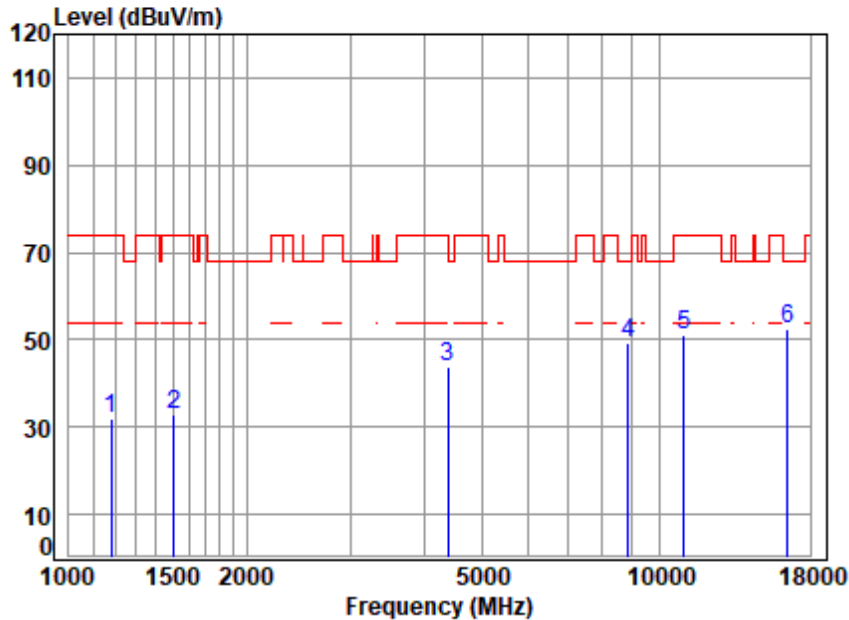


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Test Mode: 11; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:Low



Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 00384AT/00385AT
 Mode : 5500 TX RSE
 Note : 5G WIFI 11AX20

	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	1179.100	3.54	24.19	38.34	42.53	74.00	-42.08	peak
2	1507.470	4.07	26.83	38.39	40.50	74.00	-40.99	peak
3	4379.699	7.04	34.64	35.81	38.03	74.00	-30.10	peak
4	8866.062	11.69	37.20	37.48	38.07	68.20	-18.72	peak
5	11000.000	12.90	37.50	37.84	38.56	74.00	-22.88	peak
6	p16500.000	14.47	42.10	37.47	33.19	68.20	-15.91	peak

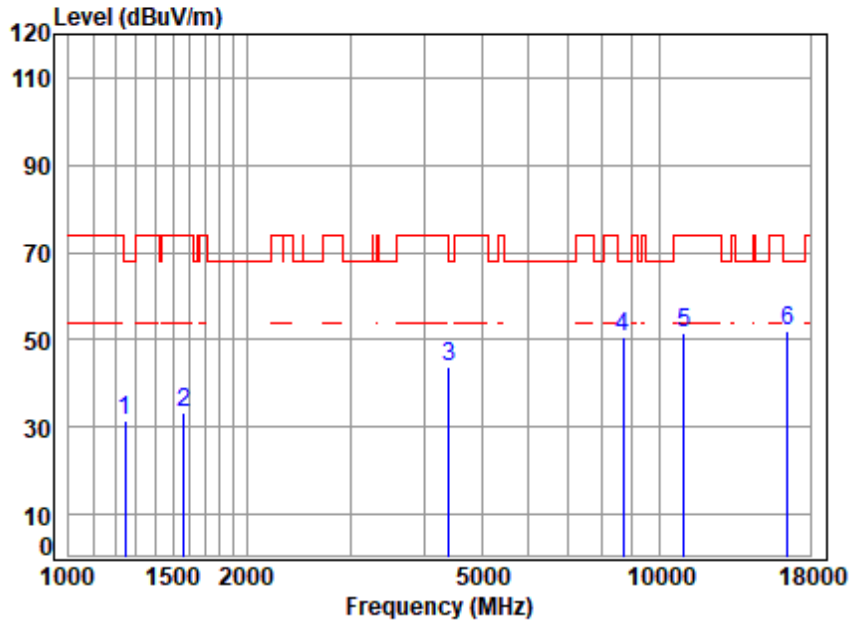


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Test Mode: 11; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:Low



Site : chamber
 Condition: 3m VERTICAL
 Job No : 00384AT/00385AT
 Mode : 5500 TX RSE
 Note : 5G WIFI 11AX20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1245.663	3.66	25.04	38.35	40.93	31.28	68.20	-36.92	peak
2	1569.721	4.16	26.92	38.40	40.78	33.46	74.00	-40.54	peak
3	4405.090	7.06	34.74	35.79	37.83	43.84	68.20	-24.36	peak
4	8688.480	11.38	36.90	37.30	39.44	50.42	68.20	-17.78	peak
5	11000.000	12.90	37.50	37.84	38.90	51.46	74.00	-22.54	peak
6	p16500.000	14.47	42.10	37.47	32.94	52.04	68.20	-16.16	peak

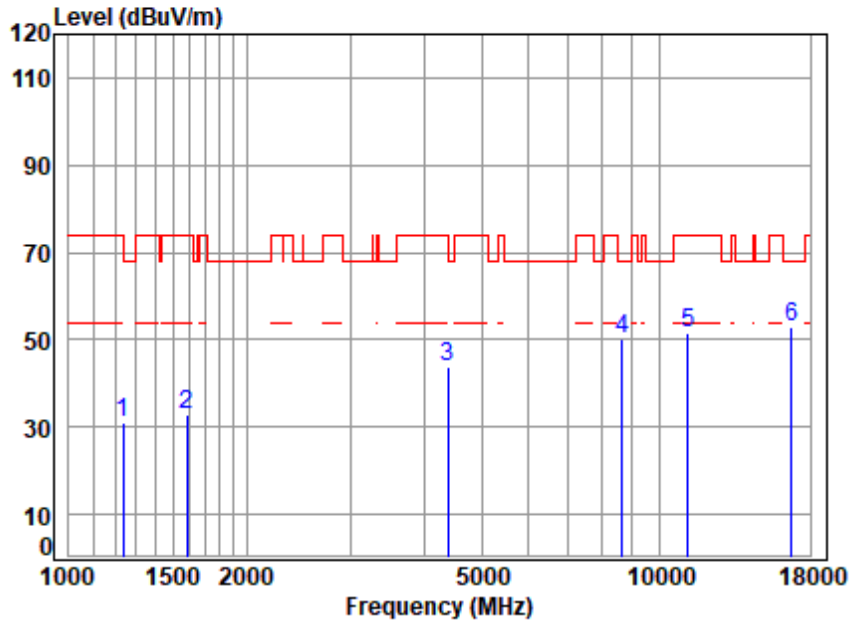


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Test Mode: 11; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:middle



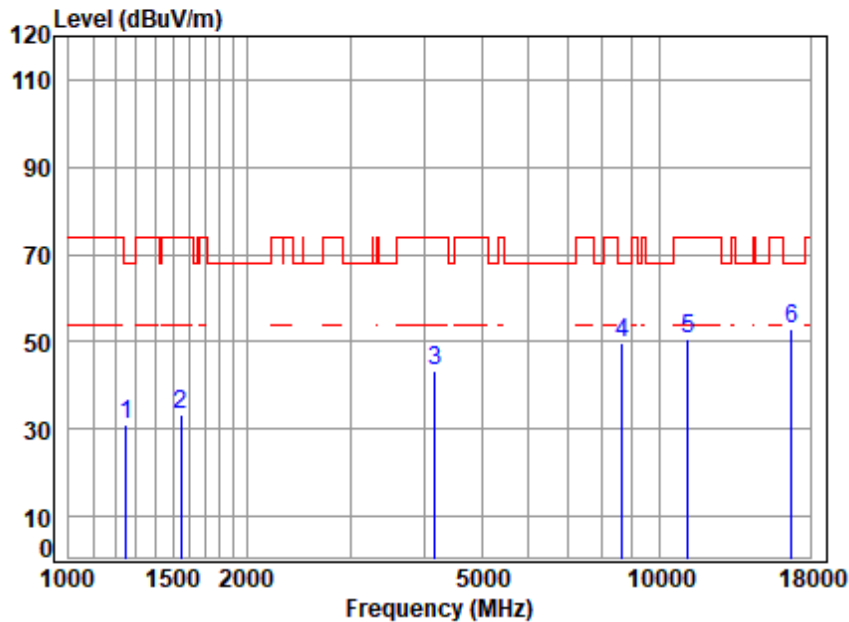
Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 00384AT/00385AT
 Mode : 5580 TX RSE
 Note : 5G WIFI 11AX20

	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	1238.483	3.65	24.94	38.35	40.98	74.00	-42.78	peak
2	1583.392	4.18	26.87	38.40	40.21	74.00	-41.14	peak
3	4379.699	7.04	34.64	35.81	37.85	74.00	-30.28	peak
4	8638.399	11.29	36.90	37.24	39.31	68.20	-17.94	peak
5	11160.000	12.93	37.62	37.79	38.78	74.00	-22.46	peak
6	p16740.000	14.51	42.78	37.49	33.22	68.20	-15.18	peak



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Test Mode: 11; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:middle



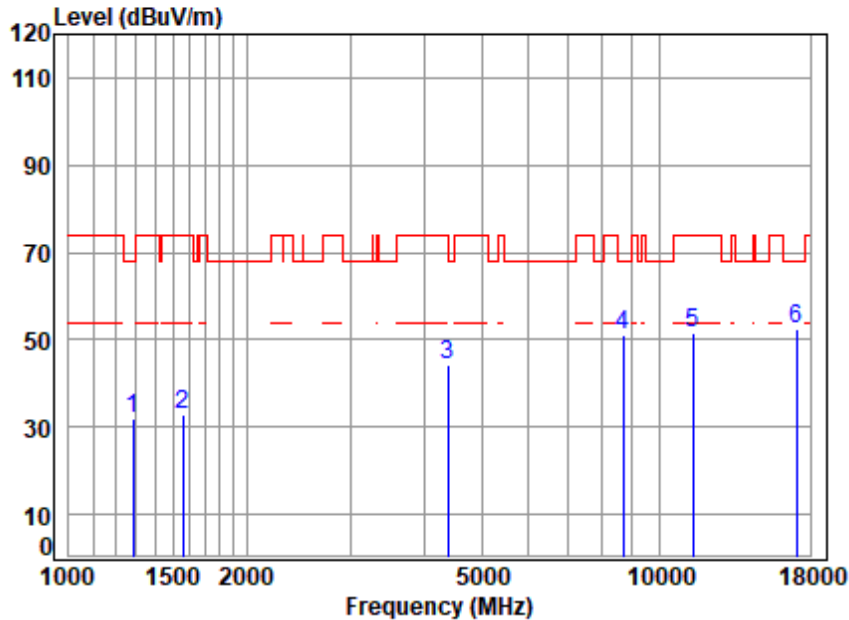
Site : chamber
 Condition: 3m VERTICAL
 Job No : 00384AT/00385AT
 Mode : 5580 TX RSE
 Note : 5G WIFI 11AX20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1249.269	3.67	25.09	38.35	40.84	31.25	68.20	-36.95	peak
2	1547.199	4.13	26.99	38.39	40.50	33.23	74.00	-40.77	peak
3	4169.698	6.90	33.80	35.97	38.77	43.50	74.00	-30.50	peak
4	8663.404	11.33	36.90	37.27	38.91	49.87	68.20	-18.33	peak
5	11160.000	12.93	37.62	37.79	38.11	50.87	74.00	-23.13	peak
6	p16740.000	14.51	42.78	37.49	32.91	52.71	68.20	-15.49	peak



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Test Mode: 11; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:High



Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 00384AT/00385AT
 Mode : 5700 TX RSE
 Note : 5G WIFI 11AX20

	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	1285.904	3.73	24.88	38.35	41.53	31.79	68.20	-36.41 peak
2	1560.673	4.15	26.96	38.40	40.06	32.77	74.00	-41.23 peak
3	4379.699	7.04	34.64	35.81	38.30	44.17	74.00	-29.83 peak
4	8688.480	11.38	36.90	37.30	39.97	50.95	68.20	-17.25 peak
5	11400.000	12.98	37.70	37.72	38.52	51.48	74.00	-22.52 peak
6	p17100.000	14.62	43.10	37.53	32.31	52.50	68.20	-15.70 peak

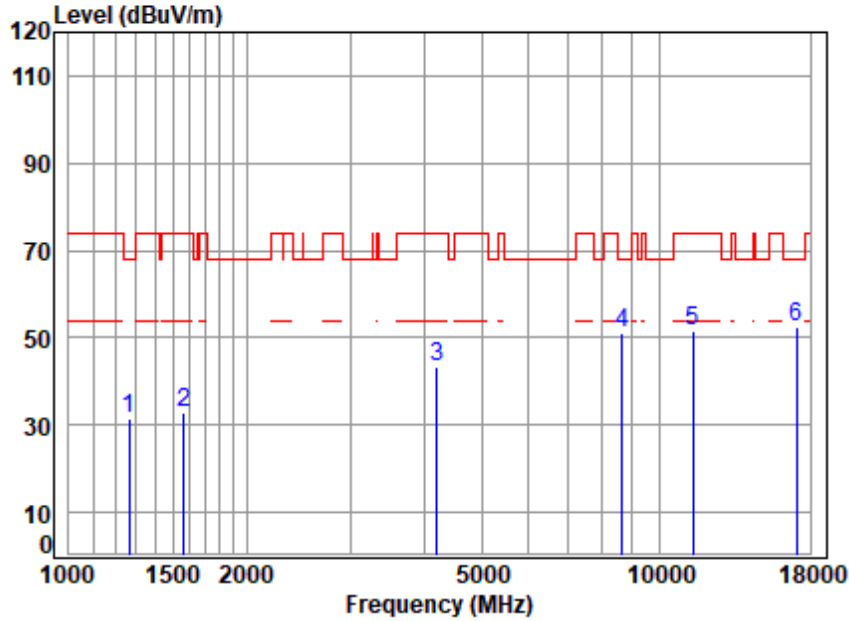


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Test Mode: 11; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:High



Site : chamber
 Condition: 3m VERTICAL
 Job No : 00384AT/00385AT
 Mode : 5700 TX RSE
 Note : 5G WIFI 11AX20

	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	1267.454	3.70	25.00	38.35	40.95	31.30	68.20	-36.90 peak
2	1565.191	4.15	26.94	38.40	40.24	32.93	74.00	-41.07 peak
3	4206.011	6.93	33.80	35.94	38.75	43.54	74.00	-30.46 peak
4	8663.404	11.33	36.90	37.27	40.17	51.13	68.20	-17.07 peak
5	11400.000	12.98	37.70	37.72	38.48	51.44	74.00	-22.56 peak
6	p17100.000	14.62	43.10	37.53	32.26	52.45	68.20	-15.75 peak

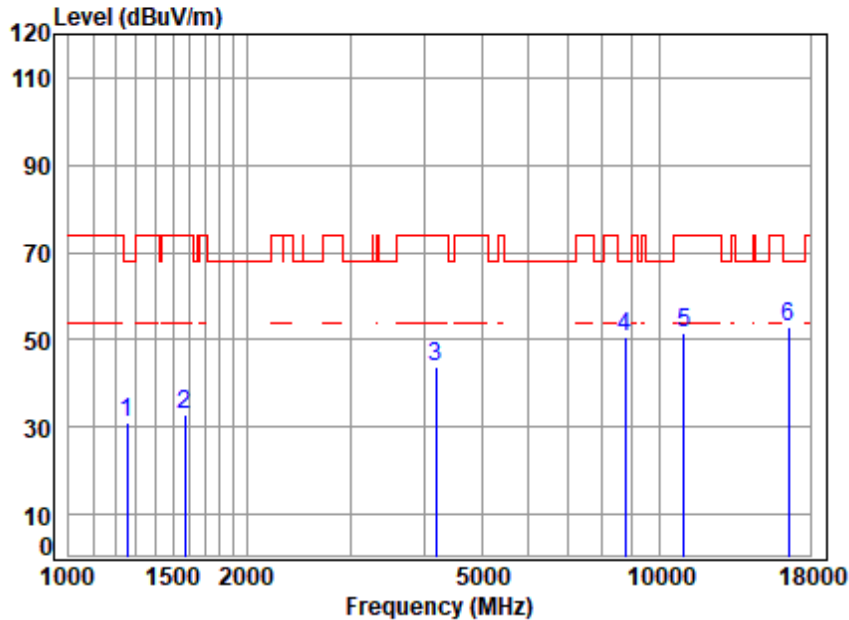


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Test Mode: 11; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:Low



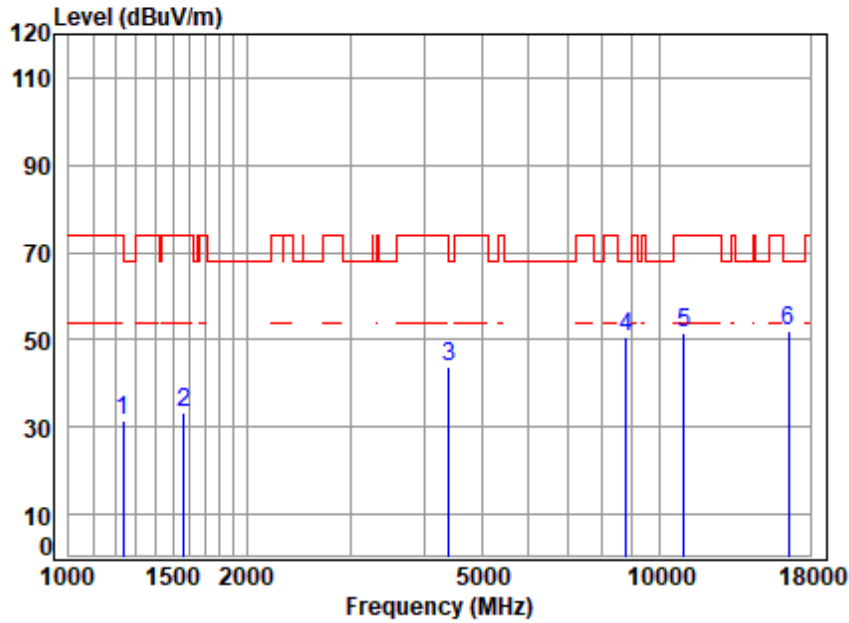
Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 00384AT/00385AT
 Mode : 5510 TX RSE
 Note : 5G WIFI 11AX40

	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	1256.512	3.68	25.06	38.35	40.77	31.16	68.20	-37.04 peak
2	1574.265	4.17	26.90	38.40	40.12	32.79	74.00	-41.21 peak
3	4181.768	6.91	33.80	35.96	39.07	43.82	74.00	-30.18 peak
4	8738.852	11.47	36.90	37.35	39.46	50.48	68.20	-17.72 peak
5	11020.000	12.90	37.50	37.83	39.09	51.66	74.00	-22.34 peak
6	p16530.000	14.48	42.16	37.47	33.61	52.78	68.20	-15.42 peak



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Test Mode: 11; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:Low



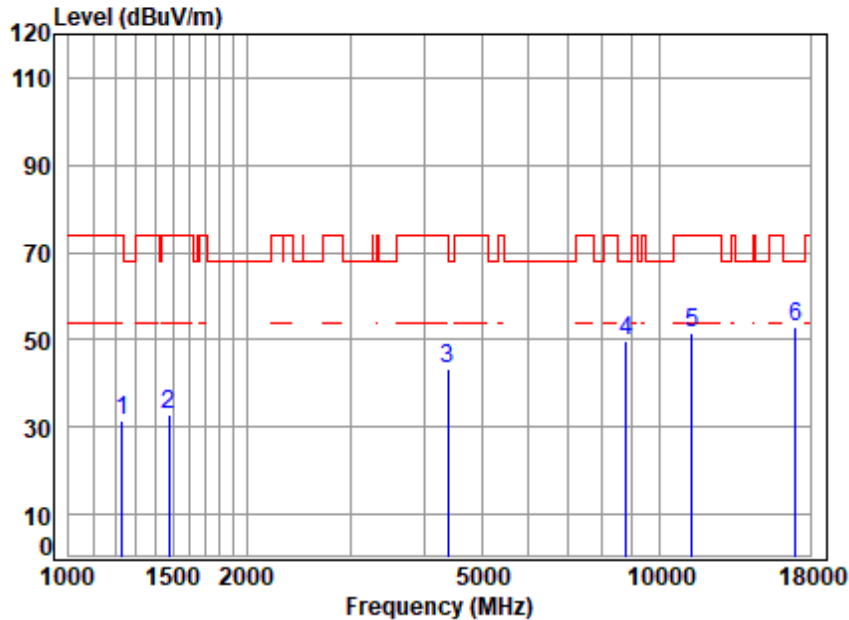
Site : chamber
 Condition: 3m VERTICAL
 Job No : 00384AT/00385AT
 Mode : 5510 TX RSE
 Note : 5G WIFI 11AX40

	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	1234.909	3.64	24.89	38.35	41.24	31.42	74.00	-42.58 peak
2	1569.721	4.16	26.92	38.40	40.76	33.44	74.00	-40.56 peak
3	4405.090	7.06	34.74	35.79	37.92	43.93	68.20	-24.27 peak
4	8789.516	11.55	37.06	37.40	39.47	50.68	68.20	-17.52 peak
5	11020.000	12.90	37.50	37.83	39.00	51.57	74.00	-22.43 peak
6	p16530.000	14.48	42.16	37.47	32.99	52.16	68.20	-16.04 peak



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Test Mode: 11; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:High



Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 00384AT/00385AT
 Mode : 5670 TX RSE
 Note : 5G WIFI 11AX40

	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	1231.345	3.64	24.84	38.35	41.44	74.00	-42.43	peak
2	1477.276	4.03	26.16	38.38	40.96	74.00	-41.23	peak
3	4379.699	7.04	34.64	35.81	37.69	74.00	-30.44	peak
4	8789.516	11.55	37.06	37.40	38.71	68.20	-18.28	peak
5	11340.000	12.97	37.76	37.74	38.74	74.00	-22.27	peak
6	p17010.000	14.57	43.10	37.51	32.71	68.20	-15.33	peak

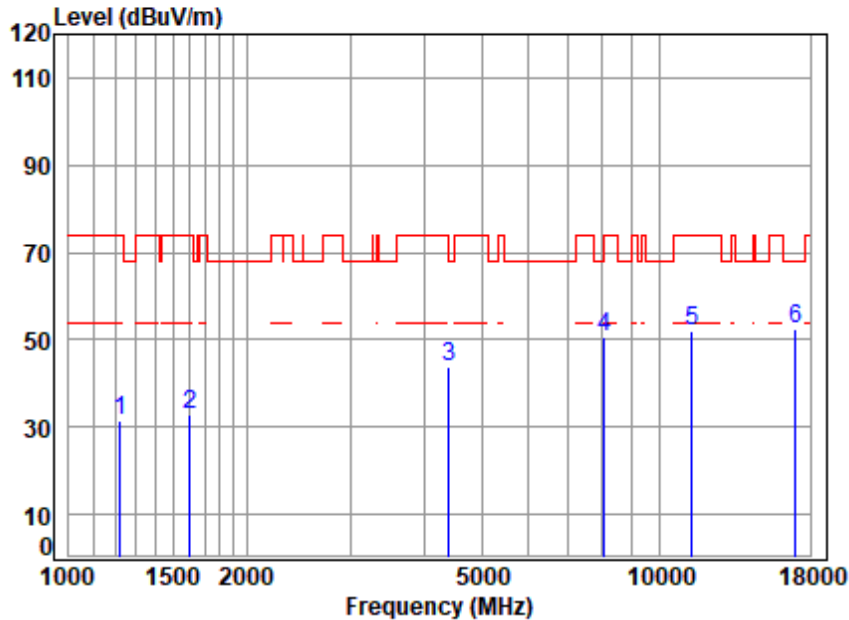


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Test Mode: 11; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:High



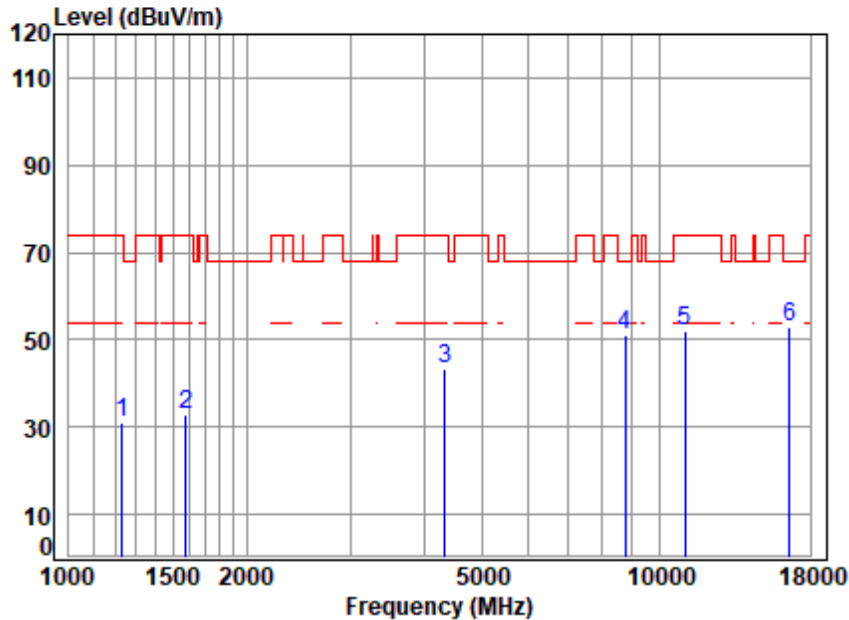
Site : chamber
 Condition: 3m VERTICAL
 Job No : 00384AT/00385AT
 Mode : 5670 TX RSE
 Note : 5G WIFI 11AX40

	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	1220.714	3.62	24.69	38.34	41.49	74.00	-42.54	peak
2	1601.804	4.20	26.78	38.40	40.19	74.00	-41.23	peak
3	4405.090	7.06	34.74	35.79	37.86	68.20	-24.33	peak
4	8059.475	10.21	36.42	36.63	40.81	74.00	-23.19	peak
5	11340.000	12.97	37.76	37.74	38.87	74.00	-22.14	peak
6	p17010.000	14.57	43.10	37.51	32.51	68.20	-15.53	peak



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Test Mode: 11; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:80MHz; Channel:Low



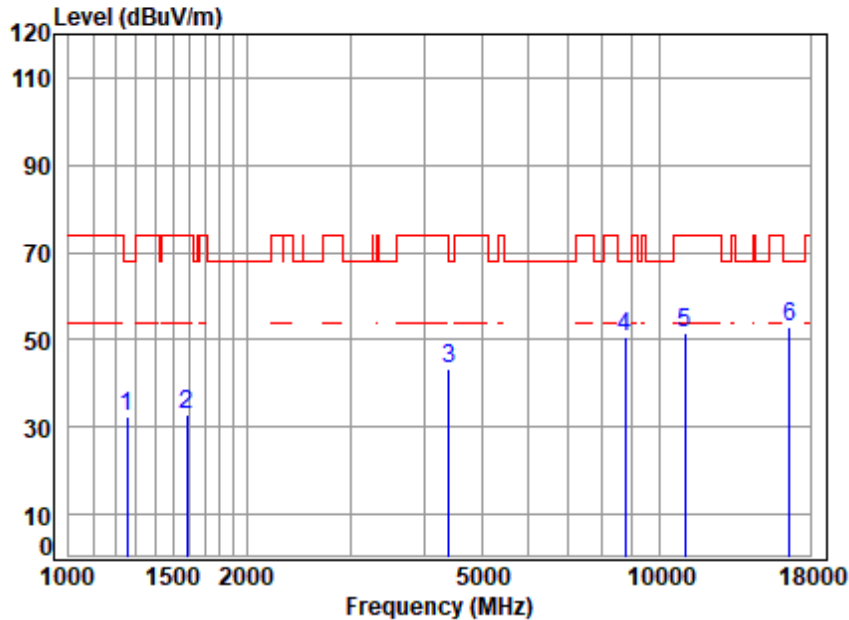
Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 00384AT/00385AT
 Mode : 5530 TX RSE
 Note : 5G WIFI 11AX80

	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	1231.345	3.64	24.84	38.35	40.83	30.96	74.00	-43.04 peak
2	1578.822	4.17	26.88	38.40	40.04	32.69	74.00	-41.31 peak
3	4341.886	7.02	34.34	35.84	37.80	43.32	74.00	-30.68 peak
4	8764.146	11.51	36.96	37.37	40.17	51.27	68.20	-16.93 peak
5	11060.000	12.91	37.50	37.82	39.47	52.06	74.00	-21.94 peak
6	p16590.000	14.49	42.28	37.47	33.71	53.01	68.20	-15.19 peak



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Test Mode: 11; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:80MHz; Channel:Low



Site : chamber
 Condition: 3m VERTICAL
 Job No : 00384AT/00385AT
 Mode : 5530 TX RSE
 Note : 5G WIFI 11AX80

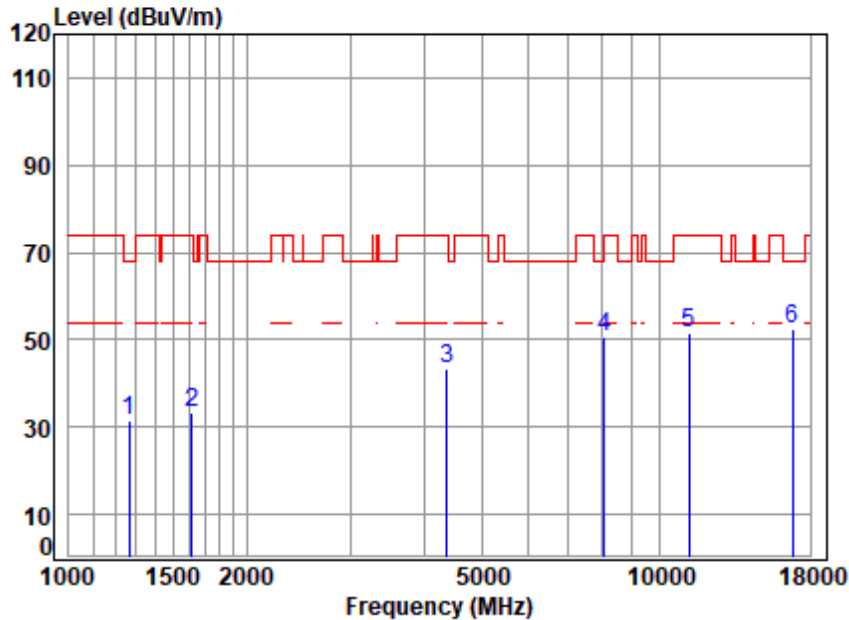
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1256.512	3.68	25.06	38.35	41.92	32.31	68.20	-35.89 peak
2	1583.392	4.18	26.87	38.40	40.17	32.82	74.00	-41.18 peak
3	4405.090	7.06	34.74	35.79	37.39	43.40	68.20	-24.80 peak
4	8764.146	11.51	36.96	37.37	39.60	50.70	68.20	-17.50 peak
5	11060.000	12.91	37.50	37.82	38.77	51.36	74.00	-22.64 peak
6	p16590.000	14.49	42.28	37.47	33.68	52.98	68.20	-15.22 peak



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Test Mode: 11; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:80MHz; Channel:High



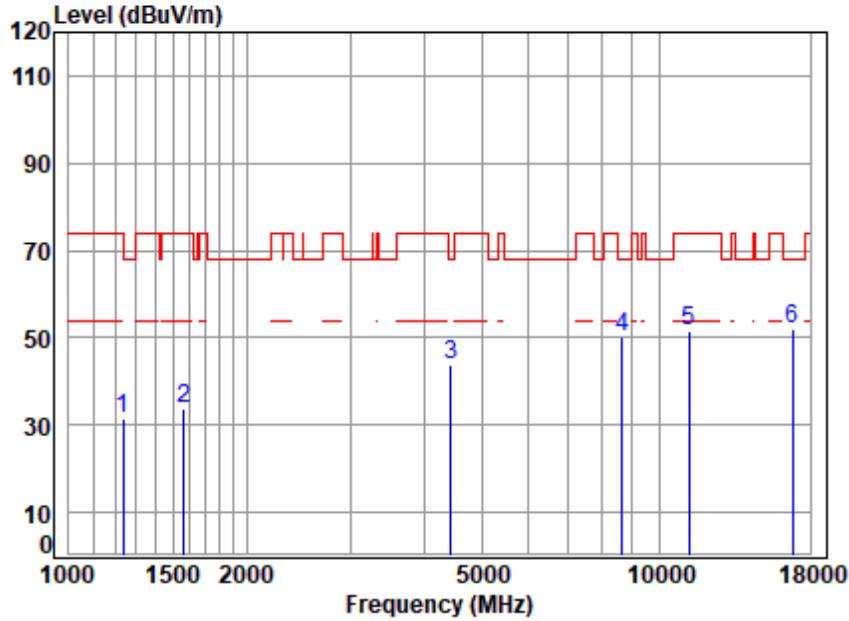
Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 00384AT/00385AT
 Mode : 5610 TX RSE
 Note : 5G WIFI 11AX80

	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	1267.454	3.70	25.00	38.35	40.97	31.32	68.20	-36.88 peak
2	1615.754	4.22	26.64	38.40	40.74	33.20	74.00	-40.80 peak
3	4367.058	7.04	34.54	35.82	37.75	43.51	74.00	-30.49 peak
4	8082.804	10.26	36.47	36.65	40.64	50.72	74.00	-23.28 peak
5	11220.000	12.94	37.72	37.77	38.77	51.66	74.00	-22.34 peak
6	p16830.000	14.53	42.99	37.50	32.26	52.28	68.20	-15.92 peak



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Test Mode: 11; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:80MHz; Channel:High



Site : chamber
 Condition: 3m VERTICAL
 Job No : 00384AT/00385AT
 Mode : 5610 TX RSE
 Note : 5G WIFI 11AX80

	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	1234.909	3.64	24.89	38.35	41.52	31.70	74.00	-42.30 peak
2	1565.191	4.15	26.94	38.40	40.95	33.64	74.00	-40.36 peak
3	4443.453	7.09	34.28	35.77	38.40	44.00	68.20	-24.20 peak
4	8663.404	11.33	36.90	37.27	39.24	50.20	68.20	-18.00 peak
5	11220.000	12.94	37.72	37.77	38.66	51.55	74.00	-22.45 peak
6	p16830.000	14.53	42.99	37.50	32.21	52.23	68.20	-15.97 peak

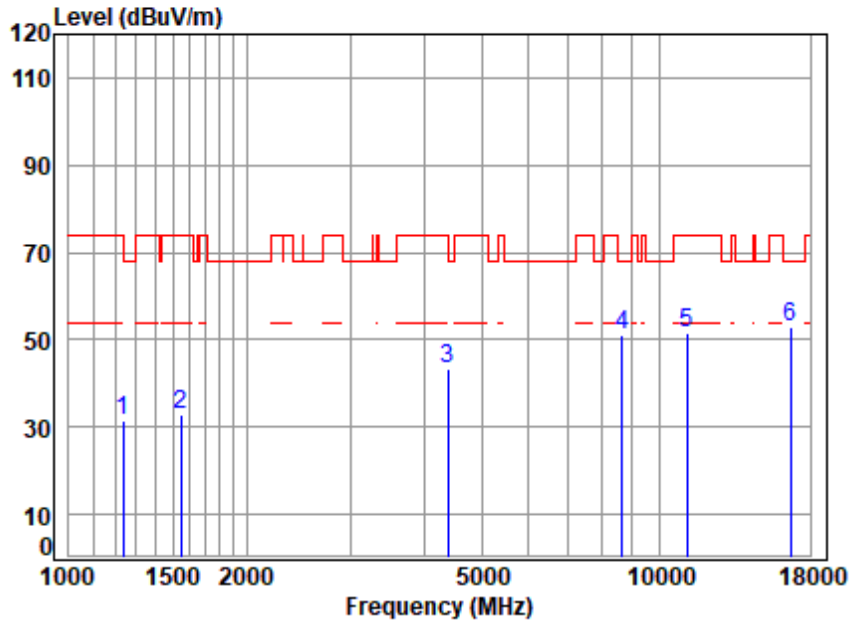


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Test Mode: 11; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:160MHz; Channel:middle



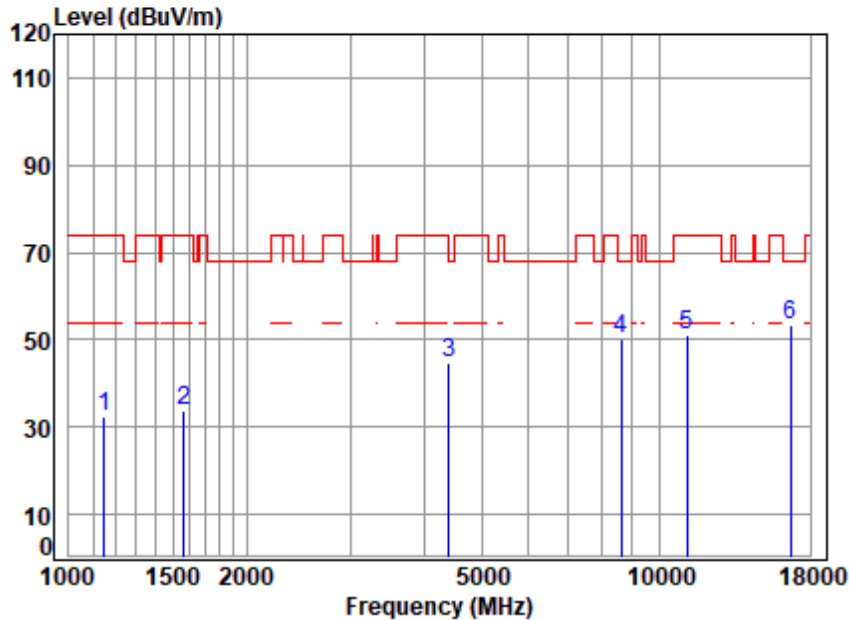
Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 00384AT/00385AT
 Mode : 5570 TX RSE
 Note : 5G WIFI 11AX160

	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	1238.483	3.65	24.94	38.35	41.06	31.30	74.00	-42.70 peak
2	1547.199	4.13	26.99	38.39	39.95	32.68	74.00	-41.32 peak
3	4392.376	7.05	34.74	35.80	37.26	43.25	74.00	-30.75 peak
4	8663.404	11.33	36.90	37.27	40.10	51.06	68.20	-17.14 peak
5	11140.000	12.93	37.58	37.80	38.96	51.67	74.00	-22.33 peak
6	p16710.000	14.51	42.72	37.48	33.08	52.83	68.20	-15.37 peak



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Test Mode: 11; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:160MHz; Channel:middle



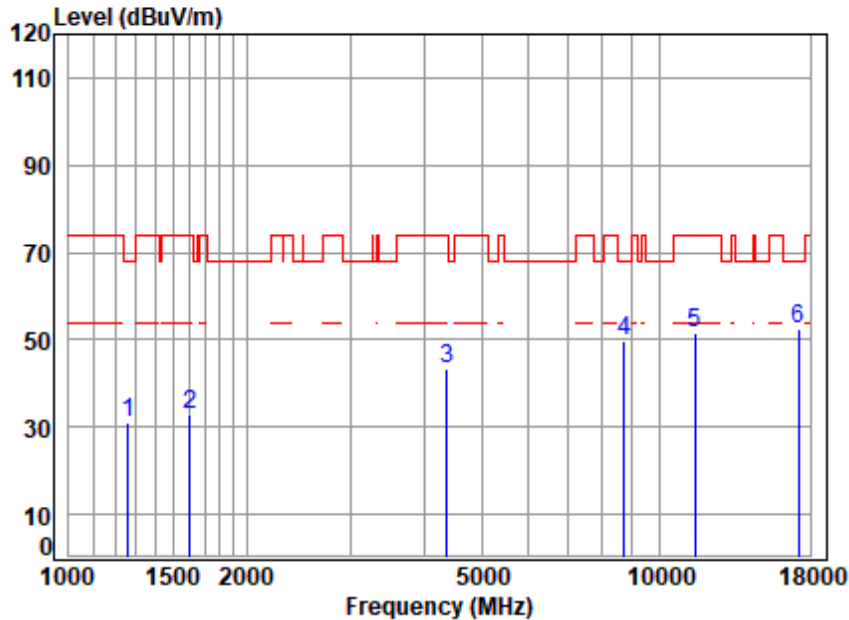
Site : chamber
 Condition: 3m VERTICAL
 Job No : 00384AT/00385AT
 Mode : 5570 TX RSE
 Note : 5G WIFI 11AX160

	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	1148.823	3.49	23.90	38.33	43.37	74.00	-41.57	peak
2	1565.191	4.15	26.94	38.40	41.01	74.00	-40.30	peak
3	4405.090	7.06	34.74	35.79	38.51	68.20	-23.68	peak
4	8613.468	11.24	36.90	37.22	39.45	68.20	-17.83	peak
5	11140.000	12.93	37.58	37.80	38.46	74.00	-22.83	peak
6	p16710.000	14.51	42.72	37.48	33.65	68.20	-14.80	peak



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Test Mode: 12; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



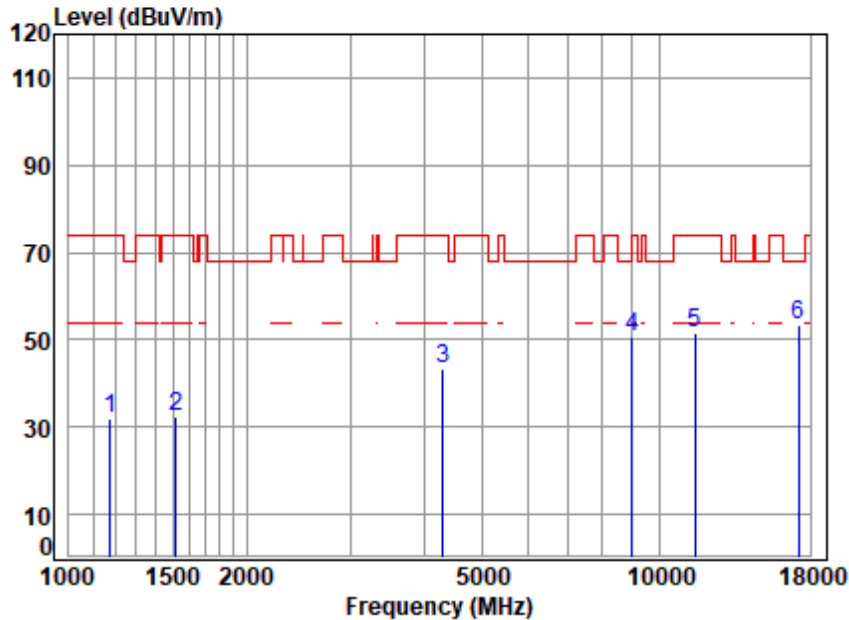
Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 00384AT/00385AT
 Mode : 5745 TX RSE
 Note : 5G WIFI 11A

	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	1260.149	3.69	25.04	38.35	40.62	31.00	68.20	-37.20 peak
2	1606.441	4.21	26.74	38.40	40.47	33.02	74.00	-40.98 peak
3	4367.058	7.04	34.54	35.82	37.76	43.52	74.00	-30.48 peak
4	8713.630	11.42	36.90	37.32	38.76	49.76	68.20	-18.44 peak
5	11490.000	13.00	37.79	37.69	38.35	51.45	74.00	-22.55 peak
6	p17235.000	14.70	43.03	37.55	32.48	52.66	68.20	-15.54 peak



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Test Mode: 12; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



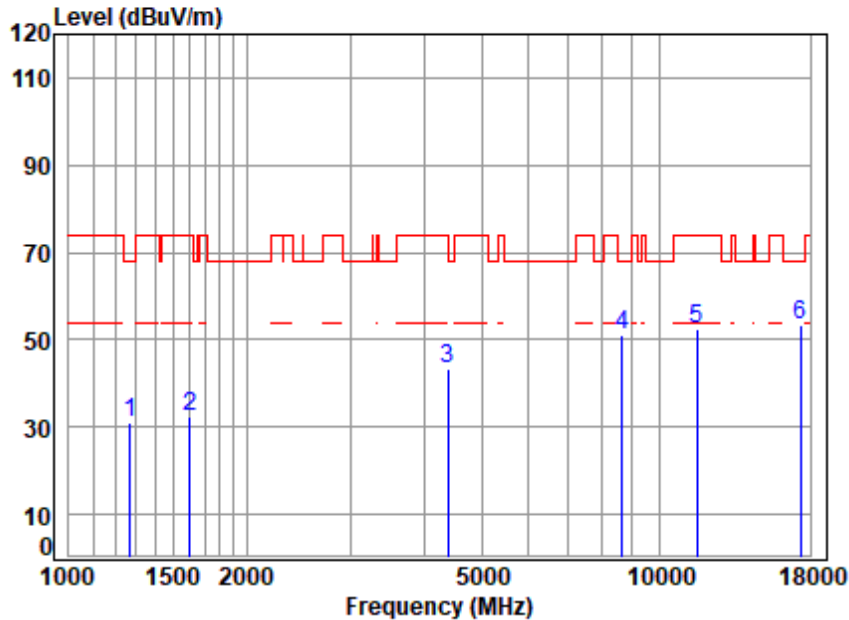
Site : chamber
 Condition: 3m VERTICAL
 Job No : 00384AT/00385AT
 Mode : 5745 TX RSE
 Note : 5G WIFI 11A

	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	1175.697	3.54	24.16	38.34	42.44	74.00	-42.20	peak
2	1516.210	4.08	26.86	38.39	39.94	74.00	-41.51	peak
3	4304.400	6.99	34.04	35.87	38.38	74.00	-30.46	peak
4	8995.123	11.91	36.91	37.61	39.34	68.20	-17.65	peak
5	11490.000	13.00	37.79	37.69	38.69	74.00	-22.21	peak
6	p17235.000	14.70	43.03	37.55	33.03	68.20	-14.99	peak



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Test Mode: 12; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:middle



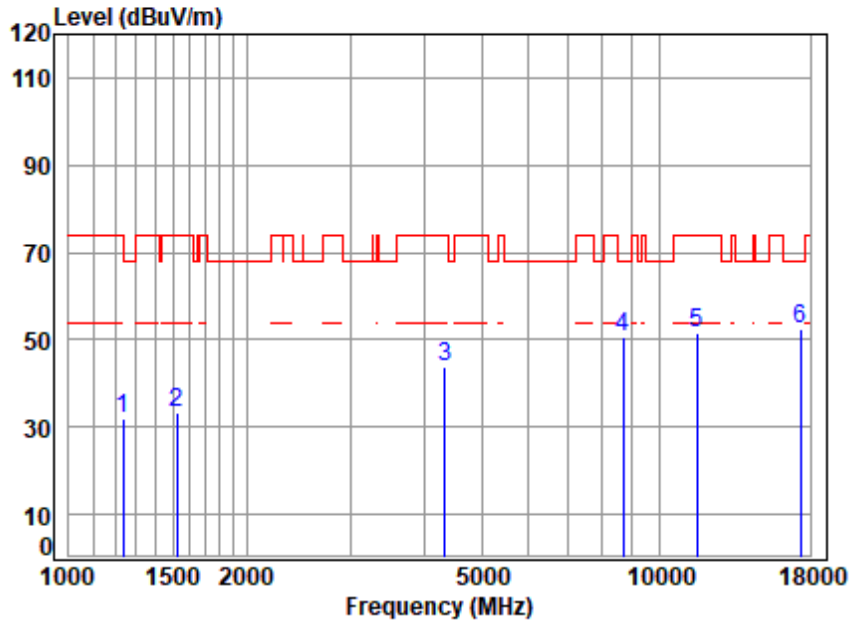
Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 00384AT/00385AT
 Mode : 5785 TX RSE
 Note : 5G WIFI 11A

	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	1271.123	3.71	24.97	38.35	40.73	31.06	68.20	-37.14 peak
2	1606.441	4.21	26.74	38.40	39.81	32.36	74.00	-41.64 peak
3	4379.699	7.04	34.64	35.81	37.56	43.43	74.00	-30.57 peak
4	8663.404	11.33	36.90	37.27	39.92	50.88	68.20	-17.32 peak
5	11570.000	13.01	37.73	37.67	39.33	52.40	74.00	-21.60 peak
6	p17355.000	14.77	43.26	37.56	32.83	53.30	68.20	-14.90 peak



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Test Mode: 12; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:middle



Site : chamber
 Condition: 3m VERTICAL
 Job No : 00384AT/00385AT
 Mode : 5785 TX RSE
 Note : 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1234.909	3.64	24.89	38.35	41.69	31.87	74.00	-42.13	peak
2	1525.000	4.10	26.90	38.39	40.74	33.35	74.00	-40.65	peak
3	4329.354	7.01	34.23	35.85	38.39	43.78	74.00	-30.22	peak
4	8688.480	11.38	36.90	37.30	39.63	50.61	68.20	-17.59	peak
5	11570.000	13.01	37.73	37.67	38.63	51.70	74.00	-22.30	peak
6	p17355.000	14.77	43.26	37.56	31.91	52.38	68.20	-15.82	peak

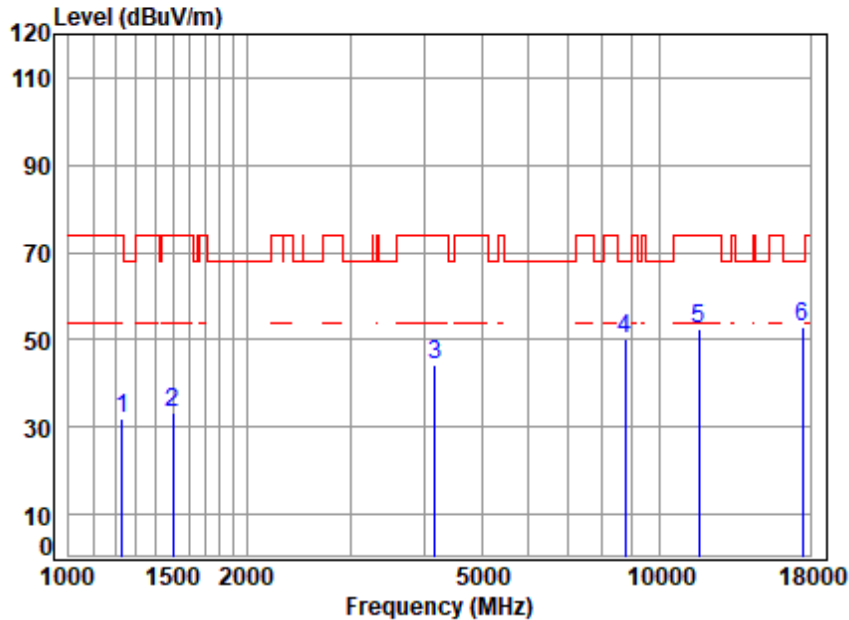


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Test Mode: 12; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:High



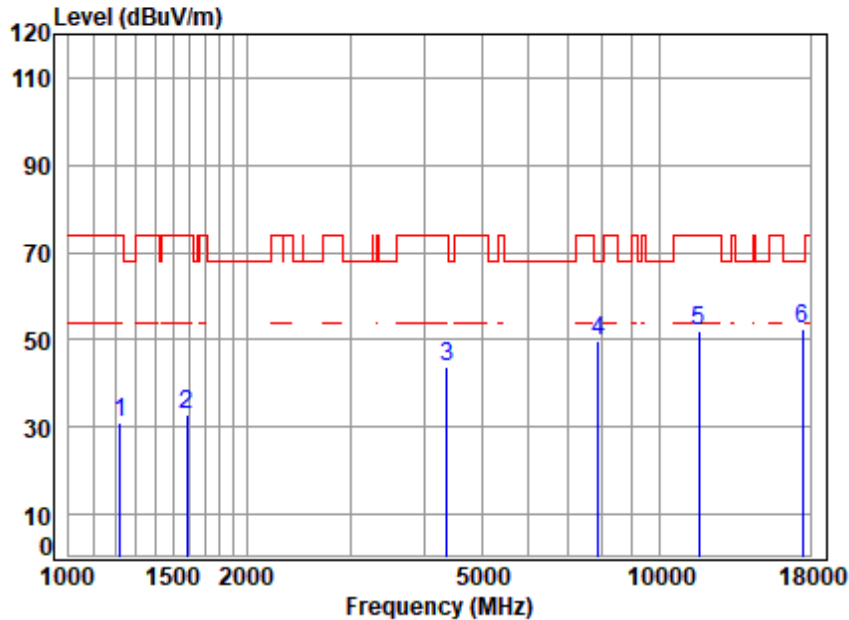
Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 00384AT/00385AT
 Mode : 5825 TX RSE
 Note : 5G WIFI 11A

	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	1231.345	3.64	24.84	38.35	41.85	74.00	-42.02	peak
2	1498.781	4.06	26.77	38.39	40.72	74.00	-40.84	peak
3	4169.698	6.90	33.80	35.97	39.68	74.00	-29.59	peak
4	8738.852	11.47	36.90	37.35	39.18	68.20	-18.00	peak
5	11650.000	13.03	37.80	37.65	39.07	74.00	-21.75	peak
6	p17475.000	14.84	43.40	37.58	32.19	68.20	-15.35	peak



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Test Mode: 12; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Site : chamber
 Condition: 3m VERTICAL
 Job No : 00384AT/00385AT
 Mode : 5825 TX RSE
 Note : 5G WIFI 11A

	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	1224.247	3.62	24.74	38.34	40.79	30.81	74.00	-43.19 peak
2	1587.975	4.18	26.85	38.40	40.43	33.06	74.00	-40.94 peak
3	4367.058	7.04	34.54	35.82	38.02	43.78	74.00	-30.22 peak
4	7875.254	9.96	36.45	36.44	39.95	49.92	68.20	-18.28 peak
5	11650.000	13.03	37.80	37.65	38.94	52.12	74.00	-21.88 peak
6	p17475.000	14.84	43.40	37.58	31.61	52.27	68.20	-15.93 peak

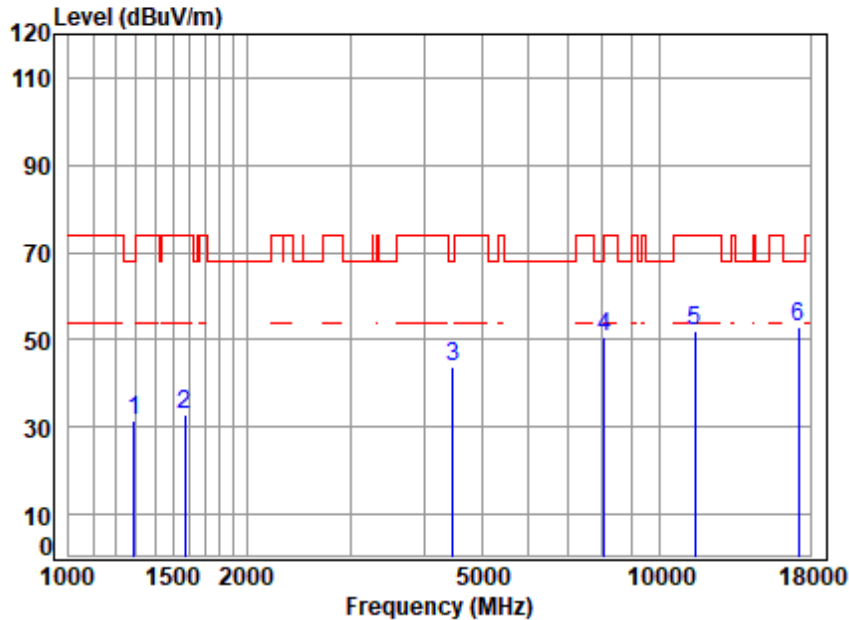


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Test Mode: 12; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:Low



Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 00384AT/00385AT
 Mode : 5745 TX RSE
 Note : 5G WIFI 11AX20

	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	1289.627	3.74	24.86	38.36	41.25	31.49	68.20	-36.71 peak
2	1574.265	4.17	26.90	38.40	40.00	32.67	74.00	-41.33 peak
3	4469.214	7.10	33.97	35.75	38.50	43.82	68.20	-24.38 peak
4	8082.804	10.26	36.47	36.65	40.53	50.61	74.00	-23.39 peak
5	11490.000	13.00	37.79	37.69	39.02	52.12	74.00	-21.88 peak
6	p17235.000	14.70	43.03	37.55	32.70	52.88	68.20	-15.32 peak

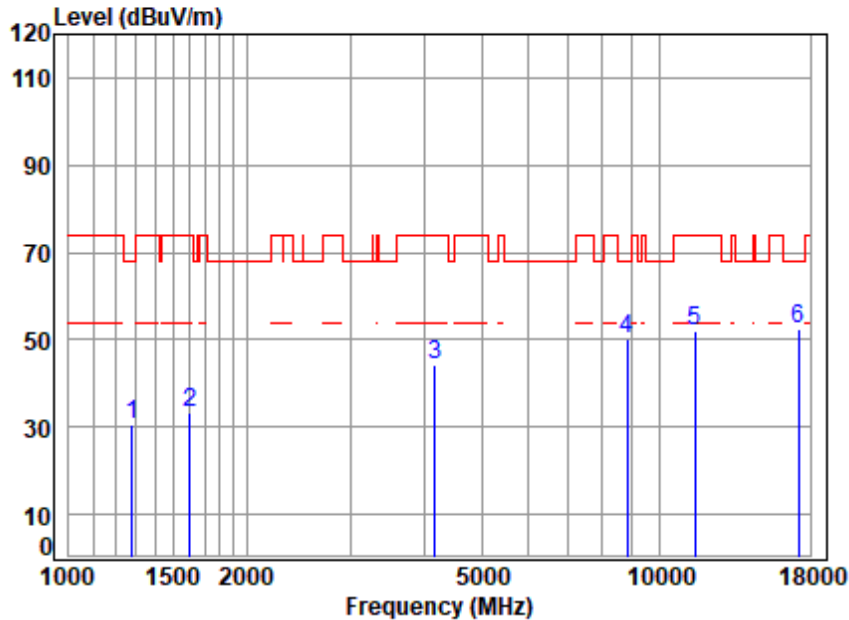


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Test Mode: 12; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:Low



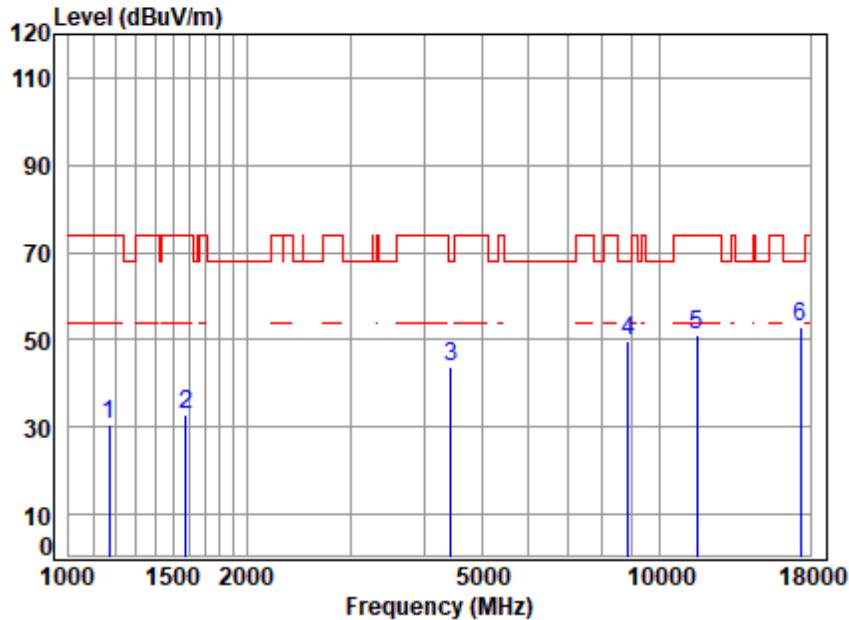
Site : chamber
 Condition: 3m VERTICAL
 Job No : 00384AT/00385AT
 Mode : 5745 TX RSE
 Note : 5G WIFI 11AX20

	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	1282.193	3.72	24.91	38.35	40.51	30.79	68.20	-37.41 peak
2	1601.804	4.20	26.78	38.40	40.74	33.32	74.00	-40.68 peak
3	4169.698	6.90	33.80	35.97	39.35	44.08	74.00	-29.92 peak
4	8814.957	11.60	37.13	37.42	38.82	50.13	68.20	-18.07 peak
5	11490.000	13.00	37.79	37.69	38.82	51.92	74.00	-22.08 peak
6	p17235.000	14.70	43.03	37.55	32.19	52.37	68.20	-15.83 peak



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Test Mode: 12; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:middle



Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 00384AT/00385AT
 Mode : 5785 TX RSE
 Note : 5G WIFI 11AX20

	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	1168.920	3.53	24.09	38.33	41.36	30.65	74.00	-43.35 peak
2	1578.822	4.17	26.88	38.40	40.18	32.83	74.00	-41.17 peak
3	4443.453	7.09	34.28	35.77	38.27	43.87	68.20	-24.33 peak
4	8840.473	11.64	37.18	37.45	38.50	49.87	68.20	-18.33 peak
5	11570.000	13.01	37.73	37.67	38.13	51.20	74.00	-22.80 peak
6	p17355.000	14.77	43.26	37.56	32.65	53.12	68.20	-15.08 peak

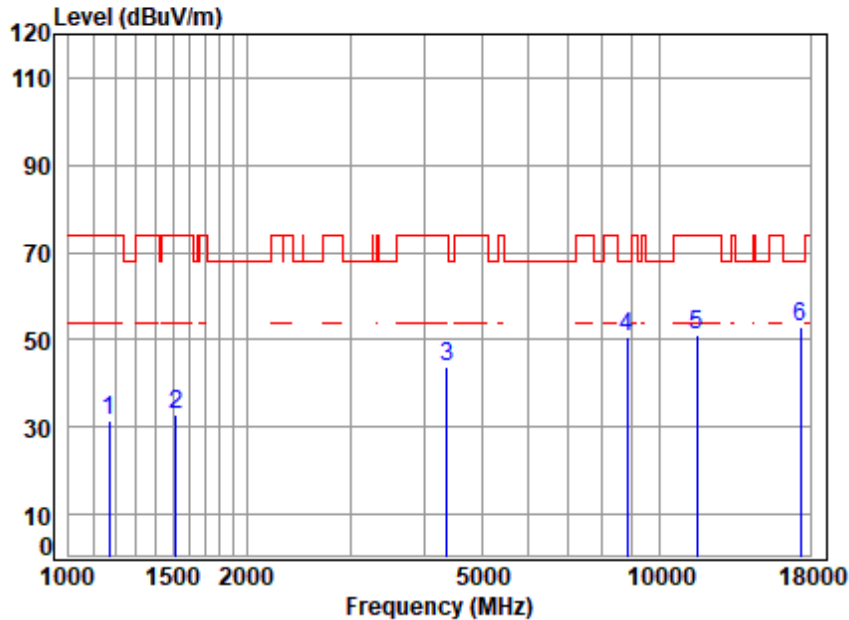


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Test Mode: 12; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:middle



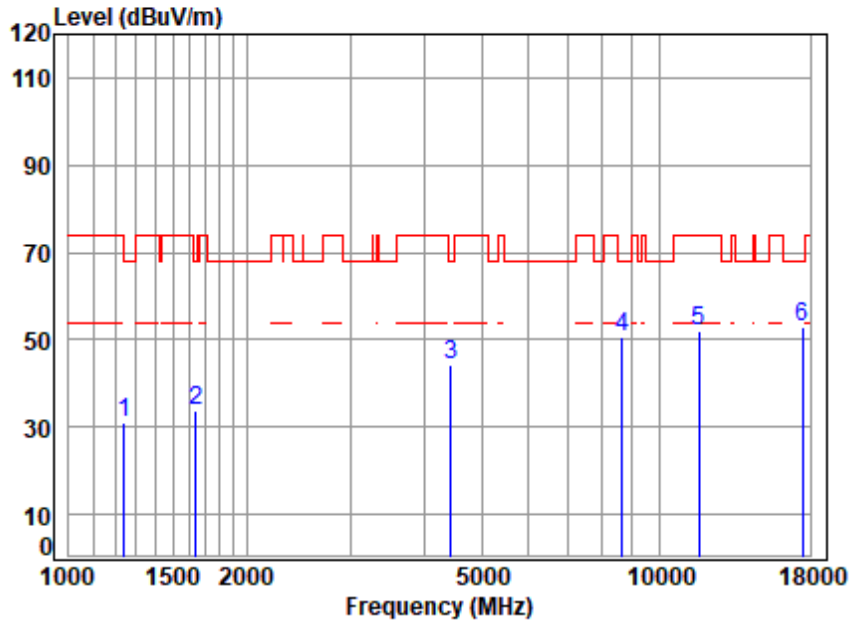
Site : chamber
 Condition: 3m VERTICAL
 Job No : 00384AT/00385AT
 Mode : 5785 TX RSE
 Note : 5G WIFI 11AX20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dB	
1	1172.303	3.53	24.12	38.33	42.25	74.00	-42.43	peak
2	1520.598	4.09	26.88	38.39	40.10	74.00	-41.32	peak
3	4367.058	7.04	34.54	35.82	38.17	74.00	-30.07	peak
4	8814.957	11.60	37.13	37.42	39.13	68.20	-17.76	peak
5	11570.000	13.01	37.73	37.67	38.23	74.00	-22.70	peak
6	p17355.000	14.77	43.26	37.56	32.43	68.20	-15.30	peak



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Test Mode: 12; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:High



Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 00384AT/00385AT
 Mode : 5825 TX RSE
 Note : 5G WIFI 11AX20

	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	1242.068	3.66	24.99	38.35	40.60	30.90	68.20	-37.30	peak
2	1639.274	4.25	26.41	38.41	41.44	33.69	68.20	-34.51	peak
3	4430.628	7.08	34.43	35.77	38.72	44.46	68.20	-23.74	peak
4	8638.399	11.29	36.90	37.24	39.59	50.54	68.20	-17.66	peak
5	11650.000	13.03	37.80	37.65	38.85	52.03	74.00	-21.97	peak
6	p17475.000	14.84	43.40	37.58	32.43	53.09	68.20	-15.11	peak

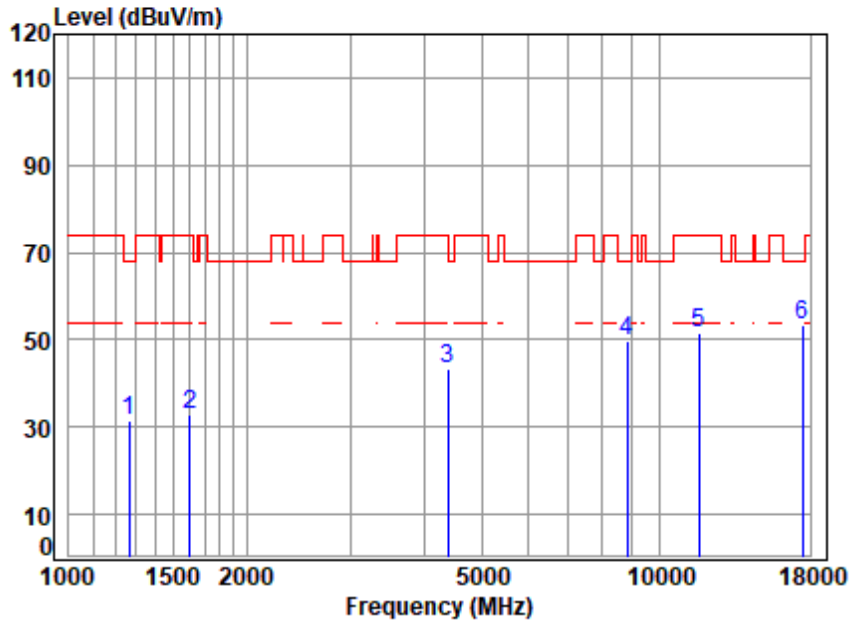


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Test Mode: 12; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:High



Site : chamber
 Condition: 3m VERTICAL
 Job No : 00384AT/00385AT
 Mode : 5825 TX RSE
 Note : 5G WIFI 11AX20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1263.796	3.69	25.02	38.35	41.08	31.44	68.20	-36.76	peak
2	1606.441	4.21	26.74	38.40	40.17	32.72	74.00	-41.28	peak
3	4379.699	7.04	34.64	35.81	37.40	43.27	74.00	-30.73	peak
4	8814.957	11.60	37.13	37.42	38.31	49.62	68.20	-18.58	peak
5	11650.000	13.03	37.80	37.65	38.37	51.55	74.00	-22.45	peak
6	p17475.000	14.84	43.40	37.58	32.86	53.52	68.20	-14.68	peak

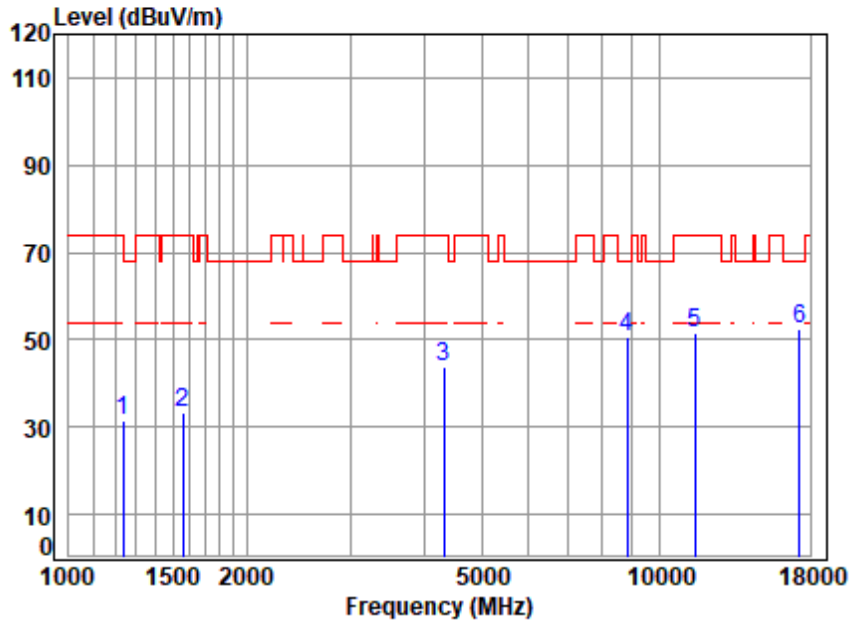


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Test Mode: 12; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:Low



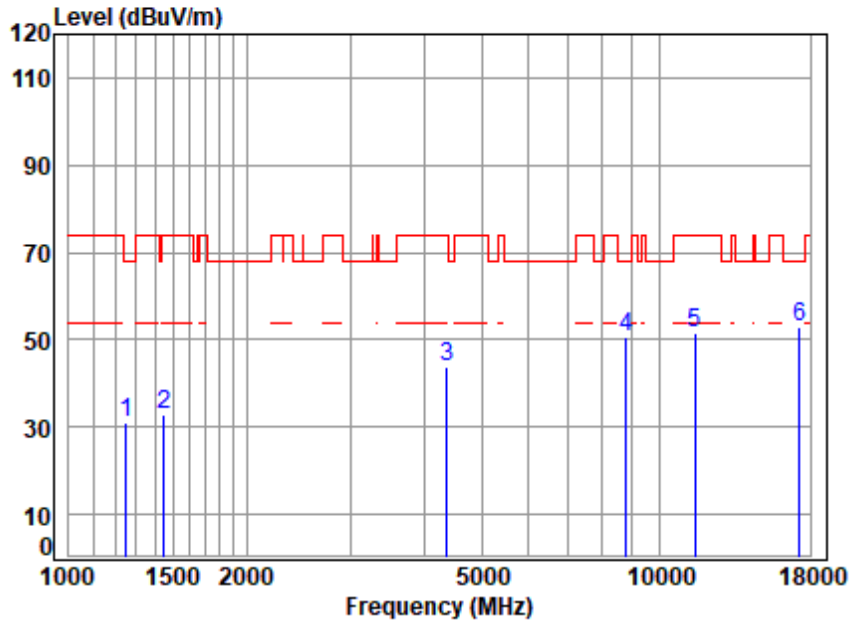
Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 00384AT/00385AT
 Mode : 5755 TX RSE
 Note : 5G WIFI 11AX40

	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	1234.909	3.64	24.89	38.35	41.50	74.00	-42.32	peak
2	1560.673	4.15	26.96	38.40	40.55	74.00	-40.74	peak
3	4316.859	7.00	34.13	35.86	38.38	74.00	-30.35	peak
4	8814.957	11.60	37.13	37.42	39.54	68.20	-17.35	peak
5	11510.000	13.00	37.79	37.69	38.63	74.00	-22.27	peak
6	p17265.000	14.72	43.06	37.55	32.30	68.20	-15.67	peak



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Test Mode: 12; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:Low



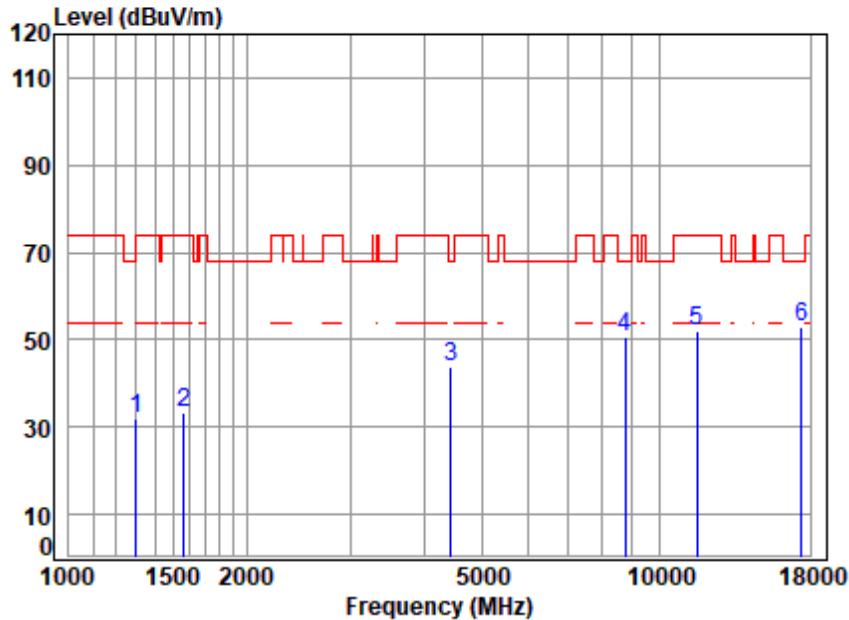
Site : chamber
 Condition: 3m VERTICAL
 Job No : 00384AT/00385AT
 Mode : 5755 TX RSE
 Note : 5G WIFI 11AX40

	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	1249.269	3.67	25.09	38.35	40.43	30.84	68.20	-37.36 peak
2	1447.688	3.99	25.36	38.38	41.96	32.93	74.00	-41.07 peak
3	4367.058	7.04	34.54	35.82	38.01	43.77	74.00	-30.23 peak
4	8789.516	11.55	37.06	37.40	39.21	50.42	68.20	-17.78 peak
5	11510.000	13.00	37.79	37.69	38.43	51.53	74.00	-22.47 peak
6	p17265.000	14.72	43.06	37.55	32.70	52.93	68.20	-15.27 peak



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Test Mode: 12; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:High



Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 00384AT/00385AT
 Mode : 5795 TX RSE
 Note : 5G WIFI 11AX40

	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	1300.858	3.76	24.79	38.36	41.60	31.79	74.00	-42.21 peak
2	1569.721	4.16	26.92	38.40	40.43	33.11	74.00	-40.89 peak
3	4443.453	7.09	34.28	35.77	38.25	43.85	68.20	-24.35 peak
4	8738.852	11.47	36.90	37.35	39.57	50.59	68.20	-17.61 peak
5	11590.000	13.01	37.71	37.67	38.77	51.82	74.00	-22.18 peak
6	p17385.000	14.79	43.35	37.57	32.14	52.71	68.20	-15.49 peak

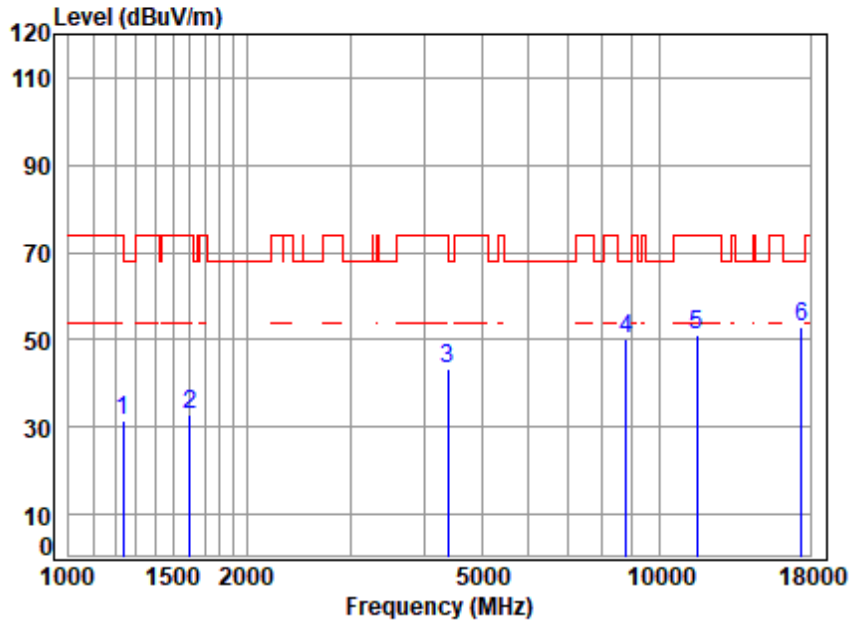


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 No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn
 中国·广东·深圳市南山区科技园中区M-10栋1号厂房 邮编:518057 t (86-755) 26012053 f (86-755) 26710594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

Test Mode: 12; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:High



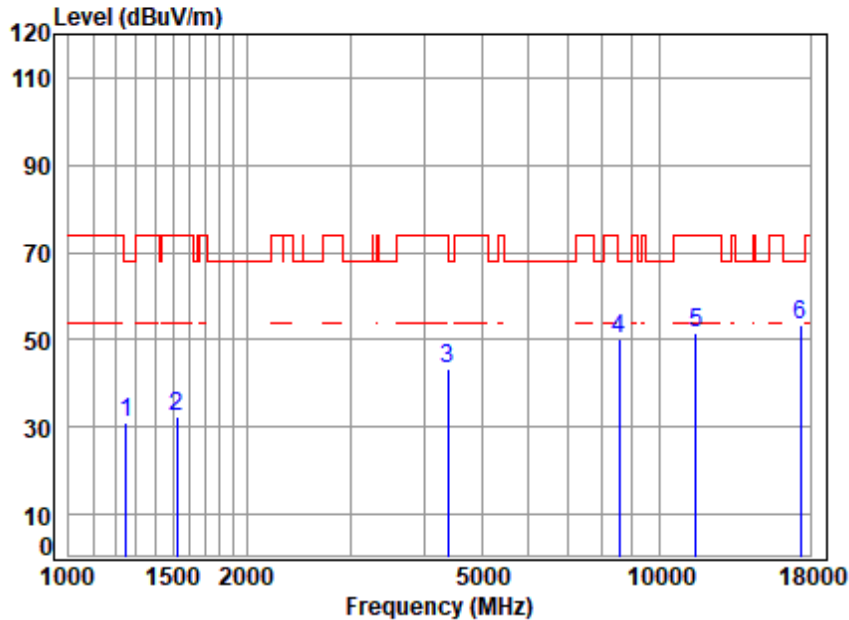
Site : chamber
 Condition: 3m VERTICAL
 Job No : 00384AT/00385AT
 Mode : 5795 TX RSE
 Note : 5G WIFI 11AX40

	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	1238.483	3.65	24.94	38.35	41.31	74.00	-42.45	peak
2	1601.804	4.20	26.78	38.40	40.20	74.00	-41.22	peak
3	4379.699	7.04	34.64	35.81	37.44	74.00	-30.69	peak
4	8789.516	11.55	37.06	37.40	38.99	68.20	-18.00	peak
5	11590.000	13.01	37.71	37.67	38.17	74.00	-22.78	peak
6	p17385.000	14.79	43.35	37.57	32.28	68.20	-15.35	peak



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Test Mode: 12; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:80MHz; Channel:middle



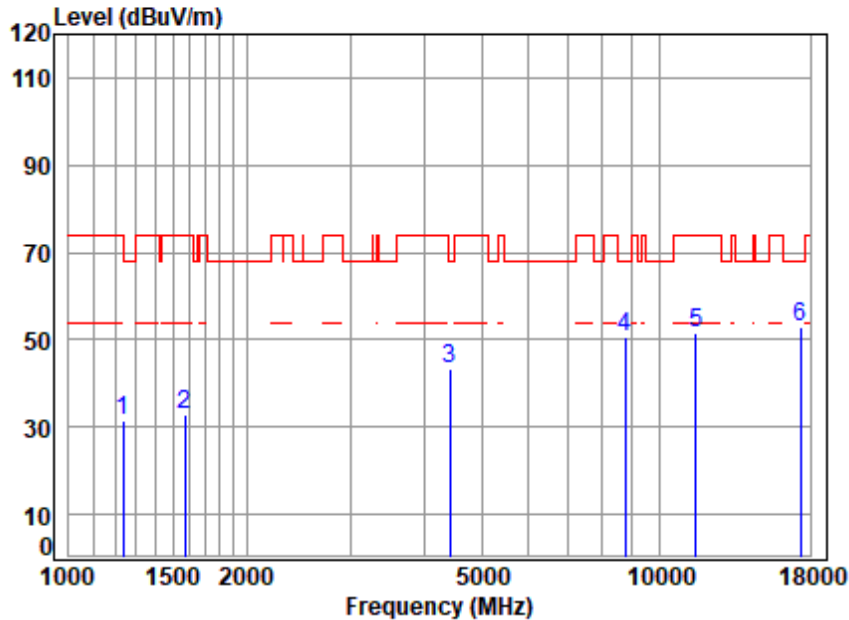
Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 00384AT/00385AT
 Mode : 5775 TX RSE
 Note : 5G WIFI 11AX80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1249.269	3.67	25.09	38.35	40.81	31.22	68.20	-36.98	peak
2	1525.000	4.10	26.90	38.39	39.93	32.54	74.00	-41.46	peak
3	4379.699	7.04	34.64	35.81	37.69	43.56	74.00	-30.44	peak
4	8539.102	11.11	36.78	37.14	39.37	50.12	68.20	-18.08	peak
5	11550.000	13.01	37.75	37.68	38.62	51.70	74.00	-22.30	peak
6	p17325.000	14.76	43.17	37.56	33.07	53.44	68.20	-14.76	peak



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Test Mode: 12; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:80MHz; Channel:middle



Site : chamber
 Condition: 3m VERTICAL
 Job No : 00384AT/00385AT
 Mode : 5775 TX RSE
 Note : 5G WIFI 11AX80

	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	1234.909	3.64	24.89	38.35	41.28	74.00	-42.54	peak
2	1574.265	4.17	26.90	38.40	40.25	74.00	-41.08	peak
3	4417.841	7.07	34.59	35.78	37.50	68.20	-24.82	peak
4	8764.146	11.51	36.96	37.37	39.65	68.20	-17.45	peak
5	11550.000	13.01	37.75	37.68	38.69	74.00	-22.23	peak
6	p17325.000	14.76	43.17	37.56	32.51	68.20	-15.32	peak



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

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

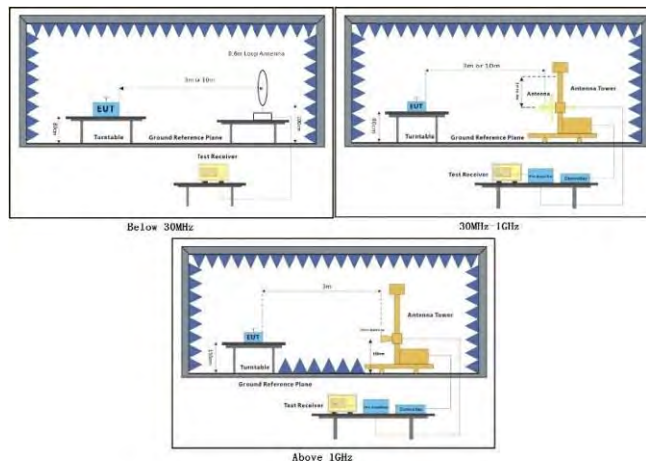
Operating Environment:

Temperature: 19.0 °C Humidity: 52.7 % RH Atmospheric Pressure: 1020 mbar

7.10.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	09	TX mode (U-NII-1) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40/80, Only the data of worst case is recorded in the report.
Final test	10	TX mode (U-NII-2A) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40/80/160, Only the data of worst case is recorded in the report.
Final test	11	TX mode (U-NII-2C) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40/80/160, Only the data of worst case is recorded in the report.
Final test	12	TX mode (U-NII-3) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40/80, Only the data of worst case is recorded in the report.

7.10.3 Test Setup Diagram



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7.10.4 Measurement Procedure and Data

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

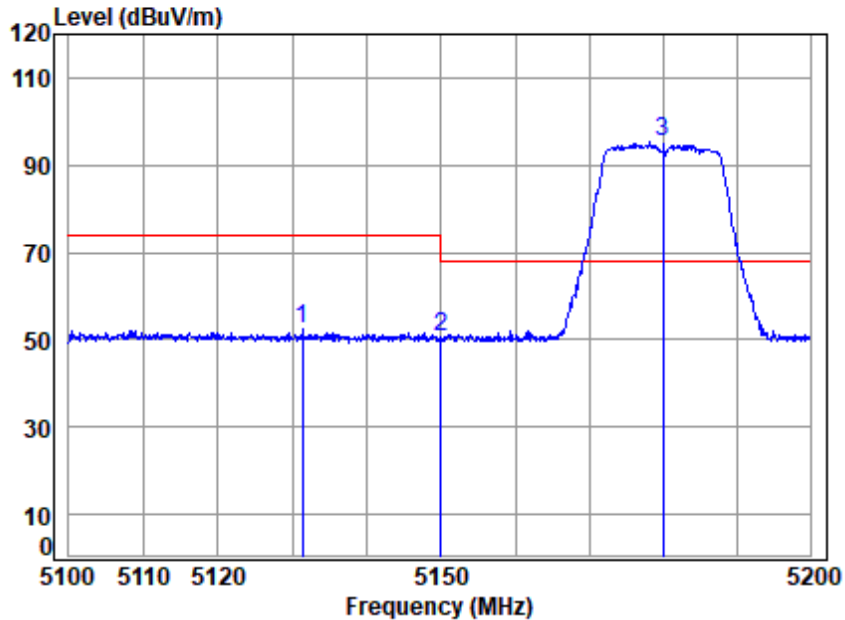
Remark: Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor



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

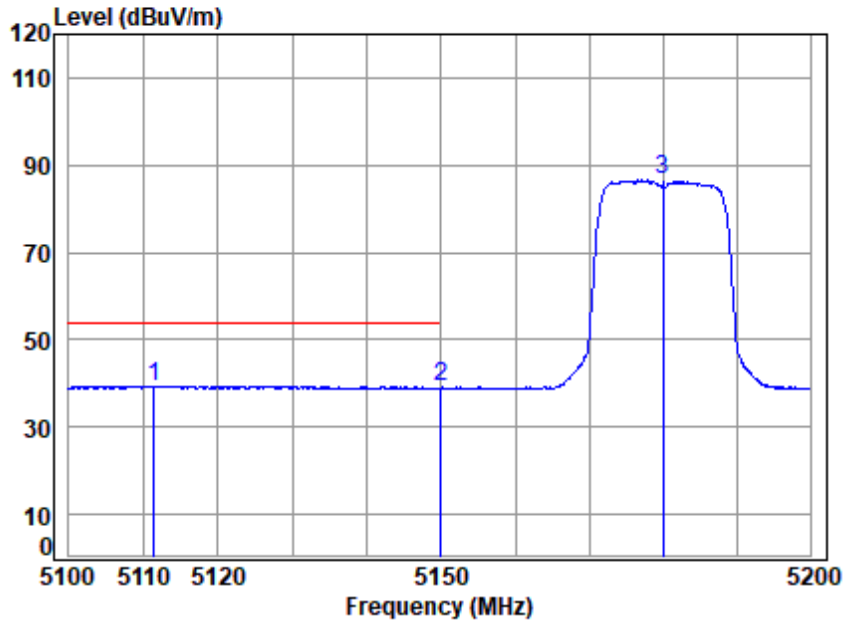


Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 00384AT/00385AT
 Mode : 5180 Band edge
 : 5G WIFI 11A

		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5131.291	7.54	33.94	35.32	46.10	52.26	74.00	-21.74 peak
2	5149.980	7.55	33.90	35.31	44.39	50.53	74.00	-23.47 peak
3 p	5180.000	7.57	33.96	35.29	89.31	95.55	68.20	27.35 peak



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



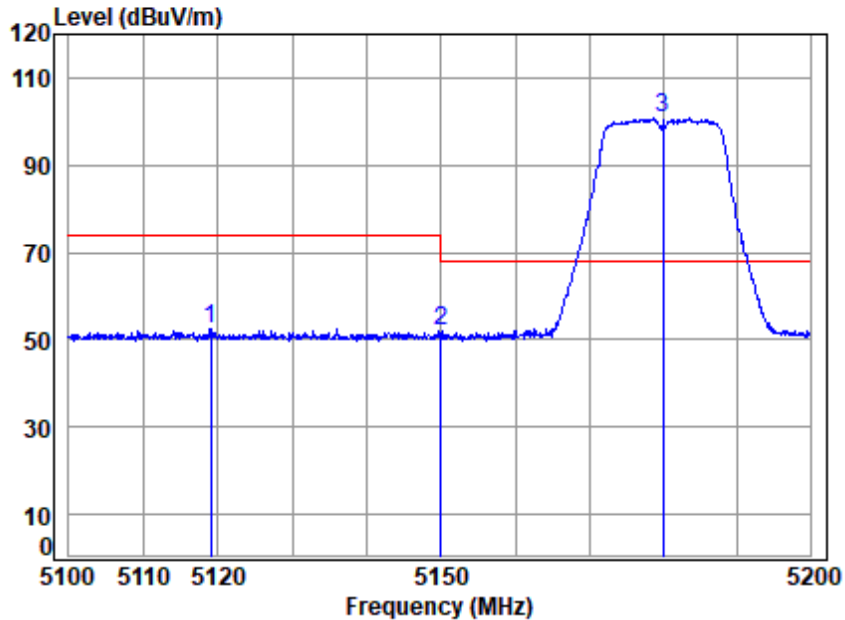
Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 00384AT/00385AT
 Mode : 5180 Band edge
 : 5G WIFI 11A

		Cable	Ant	Preamp	Read	Limit	Over		
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	q 5111.401	7.52	33.98	35.33	33.15	39.32	54.00	-14.68	Average
2	5149.980	7.55	33.90	35.31	32.88	39.02	54.00	-14.98	Average
3	5180.000	7.57	33.96	35.29	80.39	86.63	-----	-----	Average



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



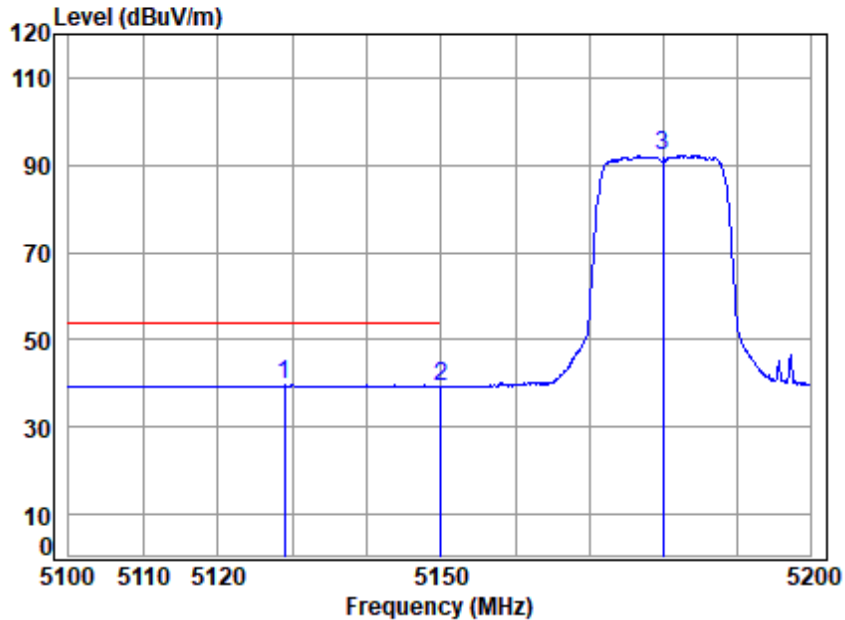
Site : chamber
 Condition: 3m VERTICAL
 Job No : 00384AT/00385AT
 Mode : 5180 Band edge
 : 5G WIFI 11A

		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5119.050	7.53	33.96	35.33	46.49	52.65	74.00	-21.35 Peak
2	5149.980	7.55	33.90	35.31	45.98	52.12	74.00	-21.88 Peak
3 p	5180.000	7.57	33.96	35.29	94.59	100.83	68.20	32.63 Peak



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



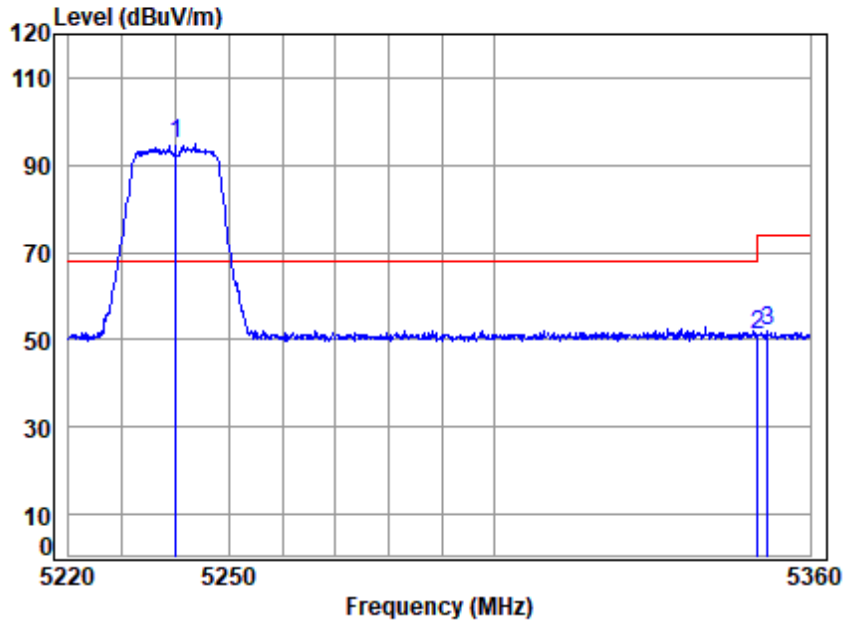
Site : chamber
 Condition: 3m VERTICAL
 Job No : 00384AT/00385AT
 Mode : 5180 Band edge
 : 5G WIFI 11A

		Cable	Ant	Preamp	Read	Limit	Over		
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	q 5128.900	7.53	33.94	35.32	33.44	39.59	54.00	-14.41	Average
2	5149.980	7.55	33.90	35.31	33.26	39.40	54.00	-14.60	Average
3	5180.000	7.57	33.96	35.29	85.97	92.21	-----	-----	Average



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



Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 00384AT/00385AT
 Mode : 5240 Band edge
 : 5G WIFI 11A

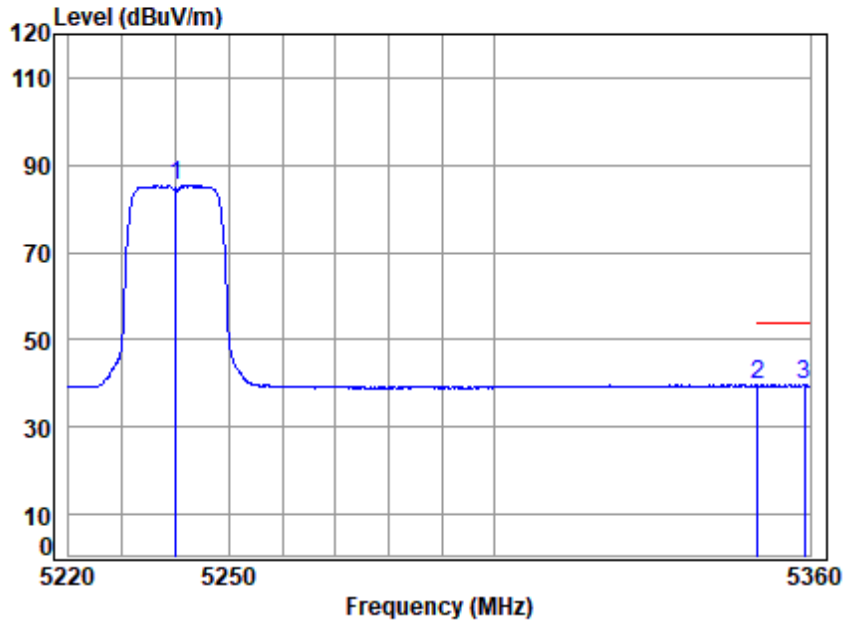
	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 p 5240.000	7.62	34.08	35.26	88.42	94.86	68.20	26.66 peak
2 5350.020	7.70	34.40	35.21	44.37	51.26	74.00	-22.74 peak
3 5351.920	7.71	34.41	35.21	44.90	51.81	74.00	-22.19 peak



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



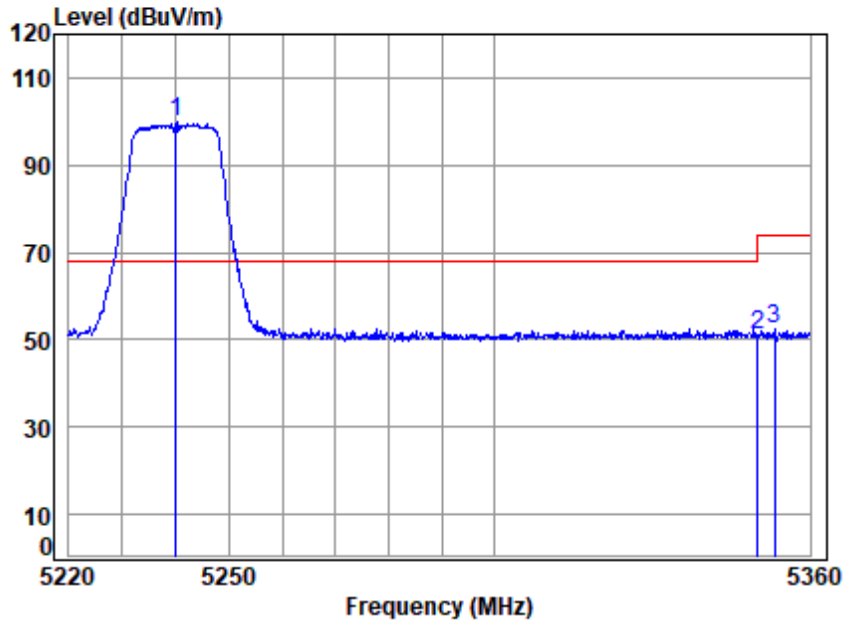
Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 00384AT/00385AT
 Mode : 5240 Band edge
 : 5G WIFI 11A

	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	5240.000	7.62	34.08	35.26	79.03	85.47	-----	-----	Average
2	5350.020	7.70	34.40	35.21	32.64	39.53	54.00	-14.47	Average
3	5359.007	7.71	34.44	35.20	32.77	39.72	54.00	-14.28	Average



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



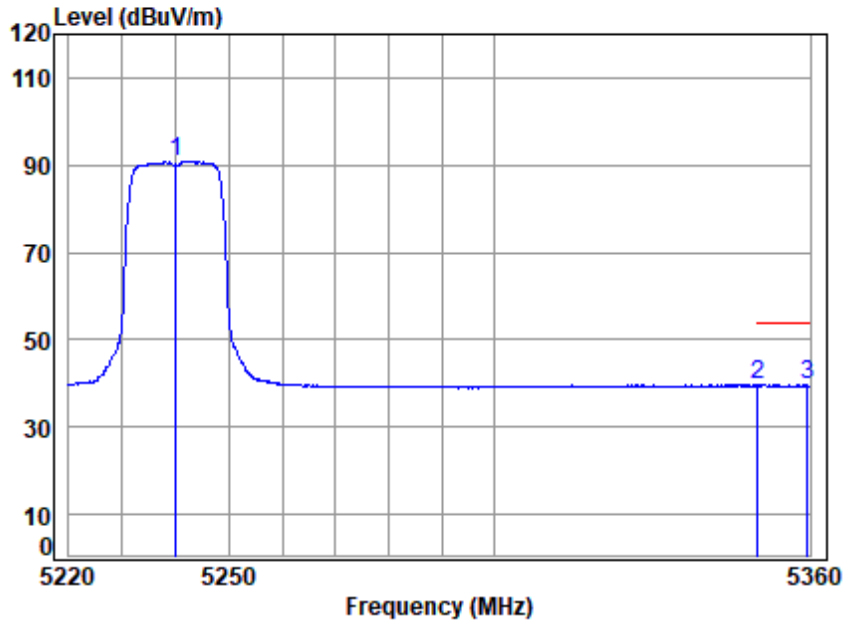
Site : chamber
 Condition: 3m VERTICAL
 Job No : 00384AT/00385AT
 Mode : 5240 Band edge
 : 5G WIFI 11A

		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 p	5240.000	7.62	34.08	35.26	93.29	99.73	68.20	31.53 Peak
2	5350.020	7.70	34.40	35.21	44.24	51.13	74.00	-22.87 Peak
3	5353.195	7.71	34.41	35.21	45.39	52.30	74.00	-21.70 Peak



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



Site : chamber
 Condition: 3m VERTICAL
 Job No : 00384AT/00385AT
 Mode : 5240 Band edge
 : 5G WIFI 11A

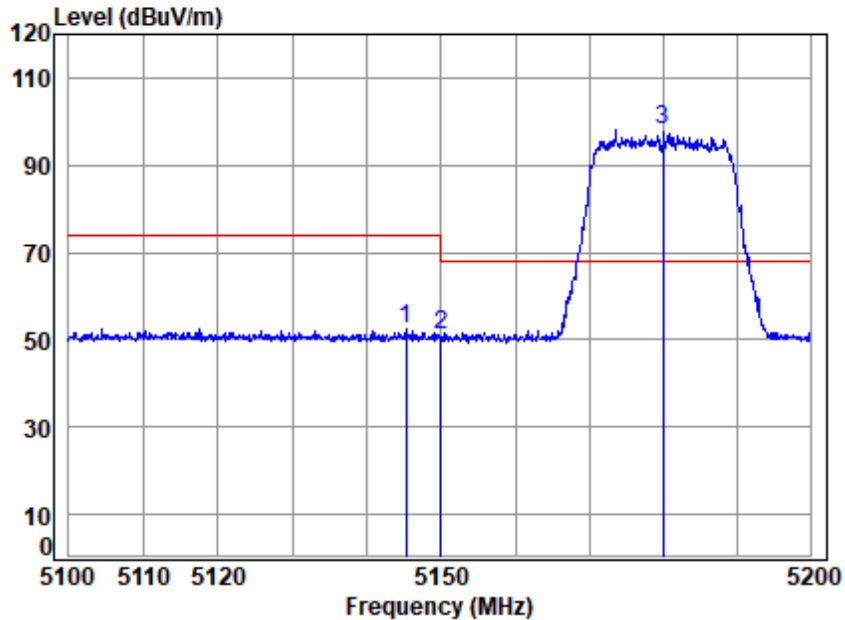
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5240.000	7.62	34.08	35.26	84.54	90.98	-----	-----	Average
2	5350.020	7.70	34.40	35.21	32.70	39.59	54.00	-14.41	Average
3	5359.574	7.71	34.44	35.20	32.68	39.63	54.00	-14.37	Average



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



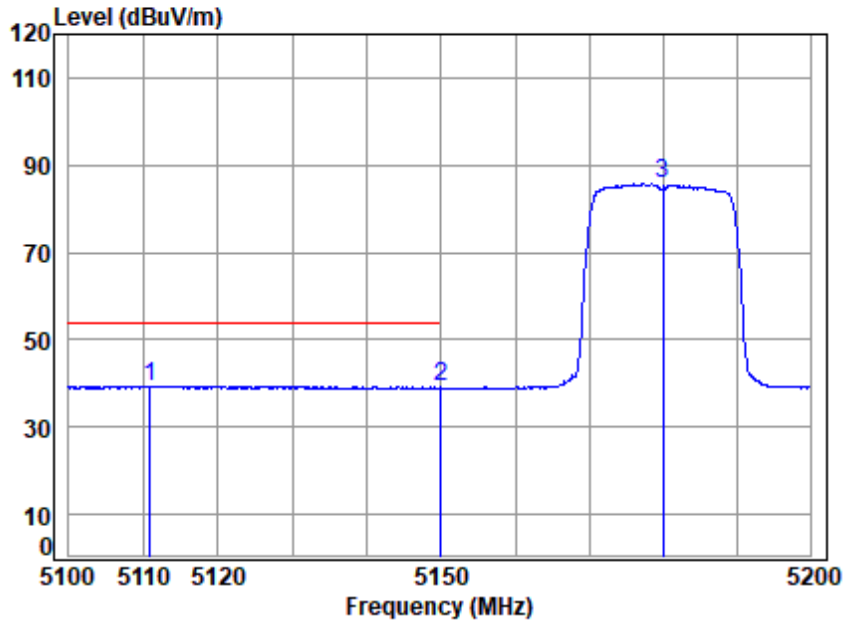
Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 00384AT/00385AT
 Mode : 5180 Band edge
 : 5G WIFI 11AX20

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5145.259	7.55	33.91	35.31	46.44	52.59	74.00 -21.41 peak
2	5149.980	7.55	33.90	35.31	44.80	50.94	74.00 -23.06 peak
3 p	5180.000	7.57	33.96	35.29	91.72	97.96	68.20 29.76 peak



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



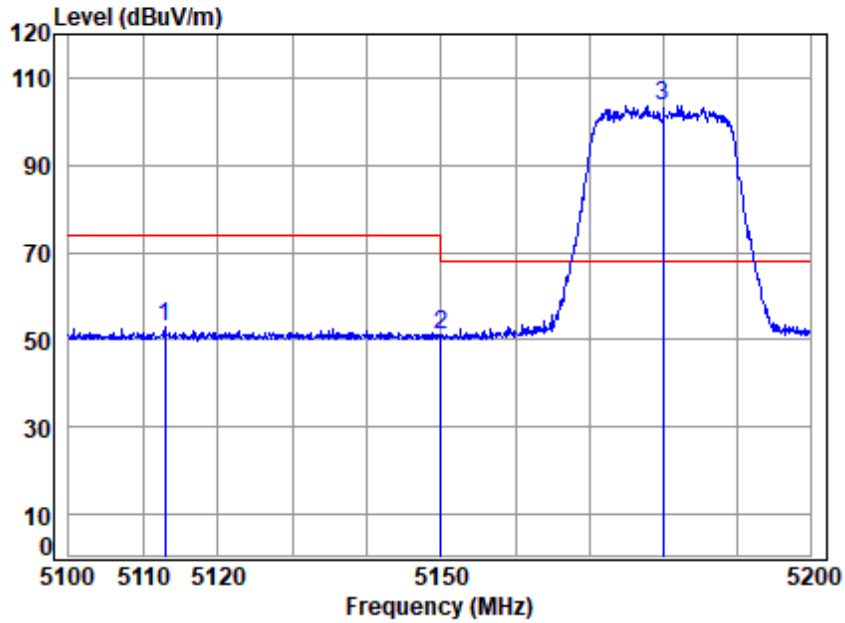
Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 00384AT/00385AT
 Mode : 5180 Band edge
 : 5G WIFI 11AX20

		Cable	Ant	Preamp	Read	Limit	Over		
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	q 5110.905	7.52	33.98	35.33	33.20	39.37	54.00	-14.63	Average
2	5149.980	7.55	33.90	35.31	32.89	39.03	54.00	-14.97	Average
3	5180.000	7.57	33.96	35.29	79.46	85.70	-----	-----	Average



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



Site : chamber
 Condition: 3m VERTICAL
 Job No : 00384AT/00385AT
 Mode : 5180 Band edge
 : 5G WIFI 11AX20

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	7.52	33.97	35.33	46.77	52.93	74.00	-21.07	Peak
2	7.55	33.90	35.31	45.18	51.32	74.00	-22.68	Peak
3 p	7.57	33.96	35.29	97.32	103.56	68.20	35.36	Peak

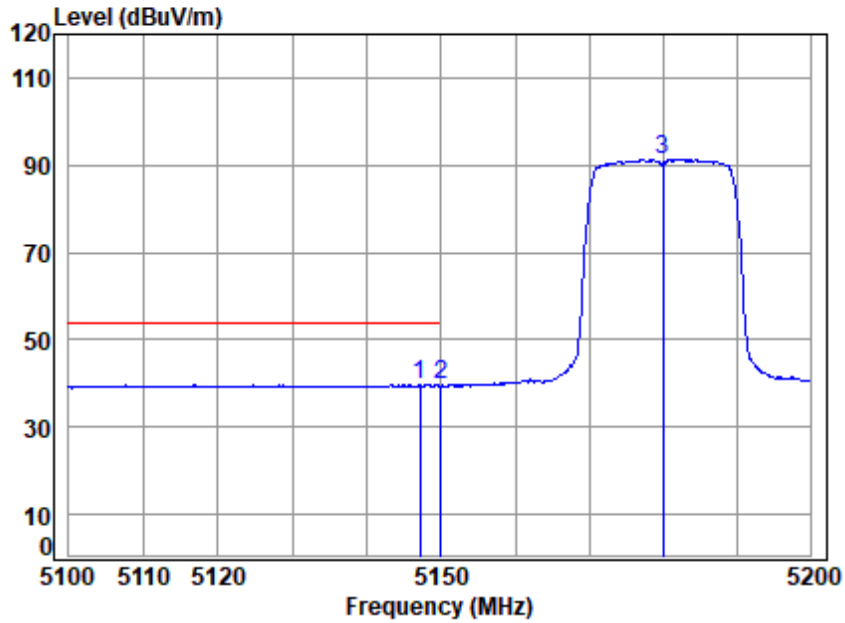


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Test Mode: 09; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:Low



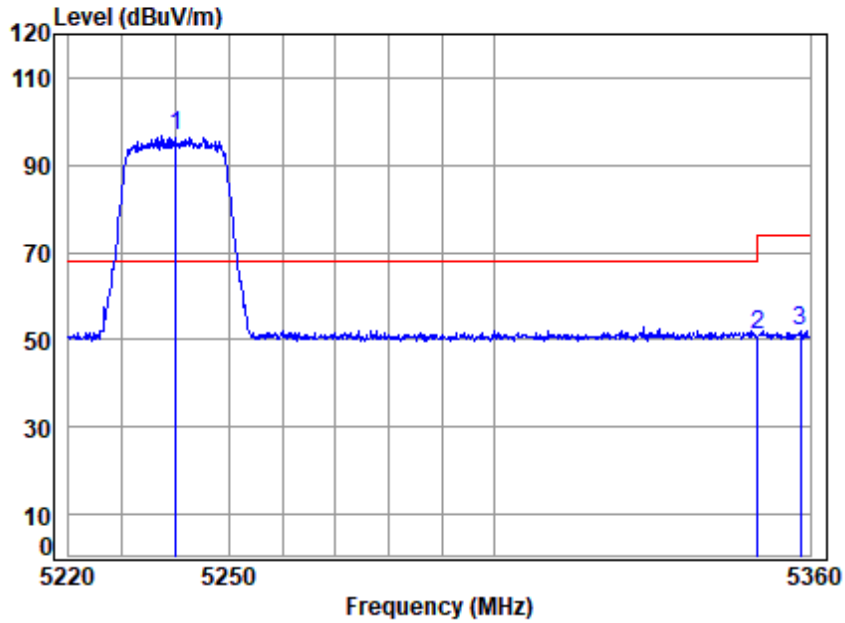
Site : chamber
 Condition: 3m VERTICAL
 Job No : 00384AT/00385AT
 Mode : 5180 Band edge
 : 5G WIFI 11AX20

		Cable	Ant	Preamp	Read	Limit	Over		
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	q 5147.158	7.55	33.91	35.31	33.47	39.62	54.00	-14.38	Average
2	5149.980	7.55	33.90	35.31	33.38	39.52	54.00	-14.48	Average
3	5180.000	7.57	33.96	35.29	85.12	91.36	-----	-----	Average



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



Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 00384AT/00385AT
 Mode : 5240 Band edge
 : 5G WIFI 11AX20

	Cable	Ant	Preamp	Read		Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 p 5240.000	7.62	34.08	35.26	90.11	96.55	68.20	28.35	peak
2 5350.020	7.70	34.40	35.21	44.18	51.07	74.00	-22.93	peak
3 5358.156	7.71	34.43	35.20	45.26	52.20	74.00	-21.80	peak

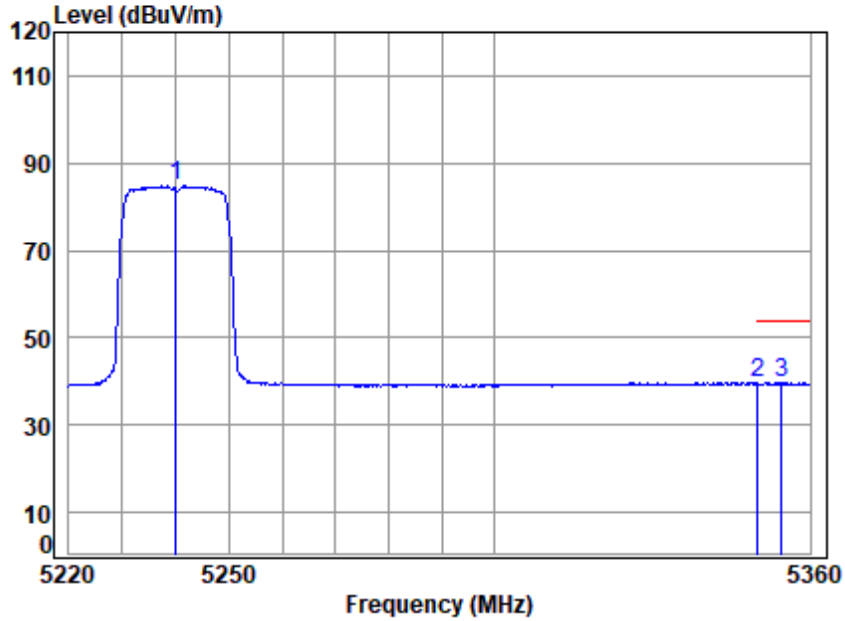


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Test Mode: 09; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:High



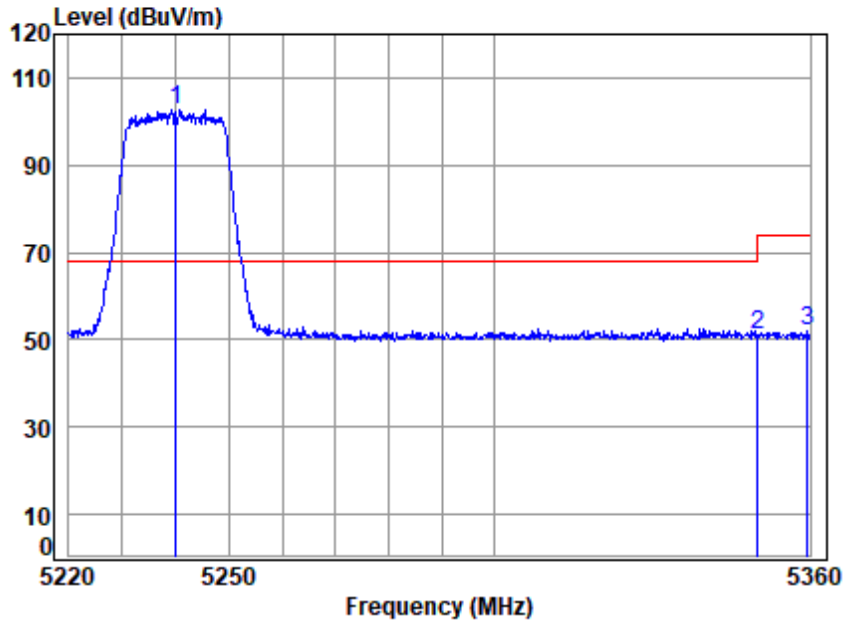
Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 00384AT/00385AT
 Mode : 5240 Band edge
 : 5G WIFI 11AX20

	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	5240.000	7.62	34.08	35.26	78.36	84.80	-----	-----	Average
2	5350.020	7.70	34.40	35.21	32.61	39.50	54.00	-14.50	Average
3	5354.612	7.71	34.42	35.21	32.71	39.63	54.00	-14.37	Average



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



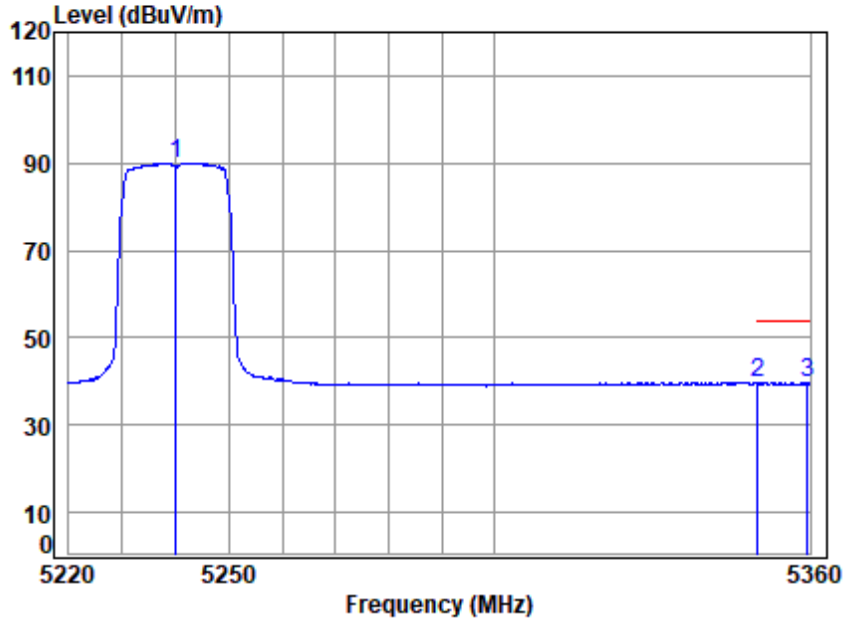
Site : chamber
 Condition: 3m VERTICAL
 Job No : 00384AT/00385AT
 Mode : 5240 Band edge
 : 5G WIFI 11AX20

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 p 5240.000	7.62	34.08	35.26	96.14	102.58	68.20	34.38	Peak
2 5350.020	7.70	34.40	35.21	44.38	51.27	74.00	-22.73	Peak
3 5359.574	7.71	34.44	35.20	45.24	52.19	74.00	-21.81	Peak



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



Site : chamber
 Condition: 3m VERTICAL
 Job No : 00384AT/00385AT
 Mode : 5240 Band edge
 : 5G WIFI 11AX20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5240.000	7.62	34.08	35.26	83.66	90.10	-----	Average
2	5350.020	7.70	34.40	35.21	32.66	39.55	54.00	-14.45 Average
3	5359.433	7.71	34.44	35.20	32.67	39.62	54.00	-14.38 Average

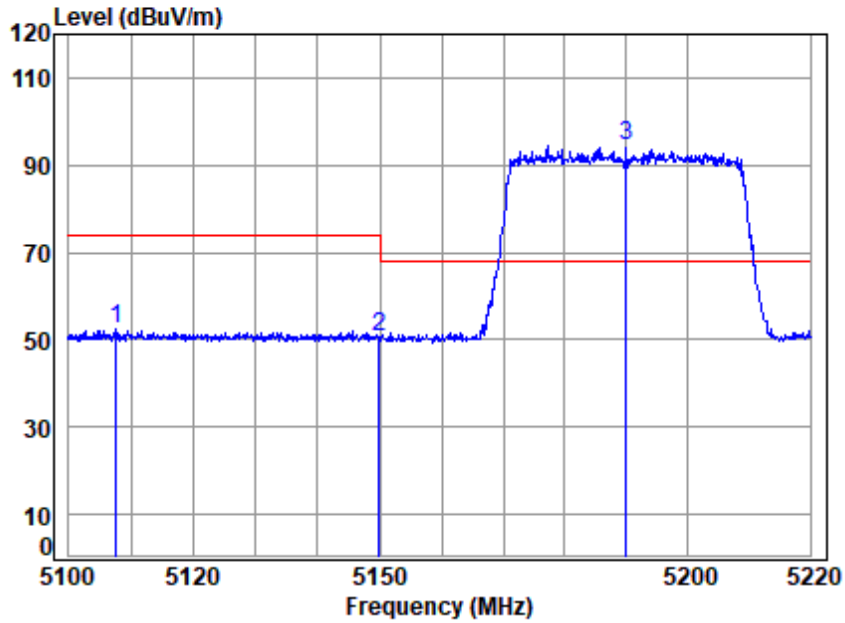


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Test Mode: 09; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:Low



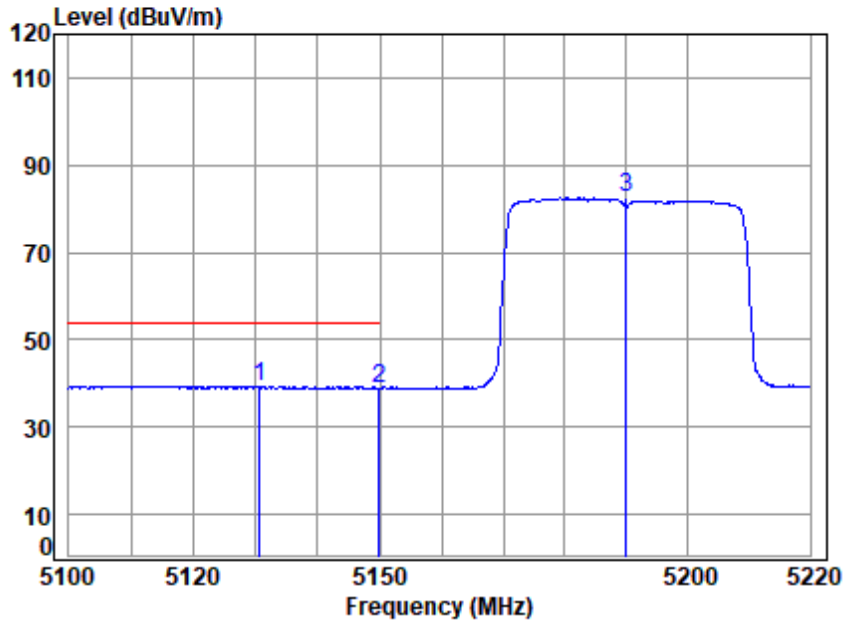
Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 00384AT/00385AT
 Mode : 5190 Band edge
 : 5G WIFI 11AX40

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5107.597	7.52	33.98	35.33	46.10	52.27	74.00	-21.73 peak
2	5149.980	7.55	33.90	35.31	44.31	50.45	74.00	-23.55 peak
3 p	5190.000	7.58	33.98	35.29	87.97	94.24	68.20	26.04 peak



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



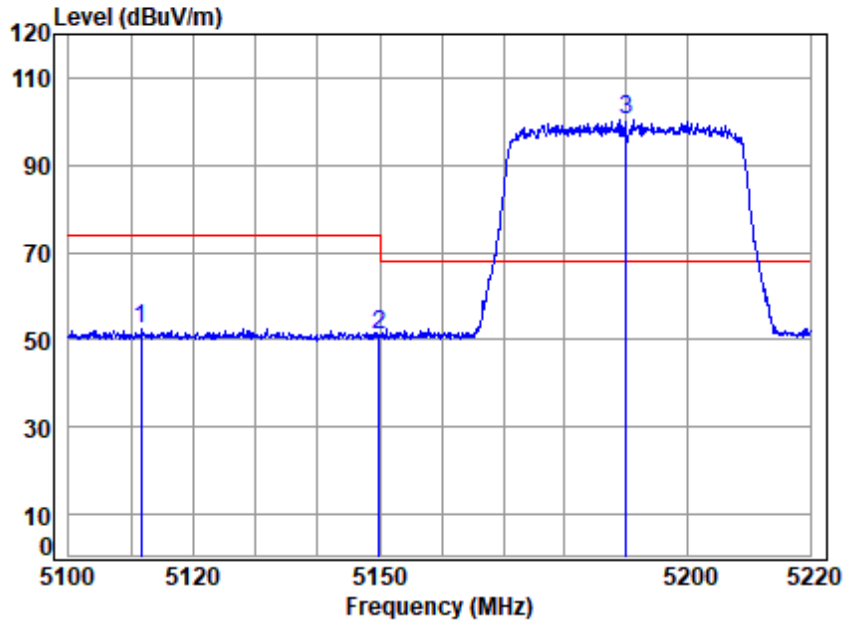
Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 00384AT/00385AT
 Mode : 5190 Band edge
 : 5G WIFI 11AX40

		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	q 5130.693	7.53	33.94	35.32	33.25	39.40	54.00	-14.60 Average
2	5149.980	7.55	33.90	35.31	32.87	39.01	54.00	-14.99 Average
3	5190.000	7.58	33.98	35.29	76.21	82.48	-----	----- Average



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



Site : chamber
 Condition: 3m VERTICAL
 Job No : 00384AT/00385AT
 Mode : 5190 Band edge
 : 5G WIFI 11AX40

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	7.52	33.98	35.33	46.47	52.64	74.00	-21.36	Peak
2	7.55	33.90	35.31	45.14	51.28	74.00	-22.72	Peak
3 p	7.58	33.98	35.29	94.10	100.37	68.20	32.17	Peak

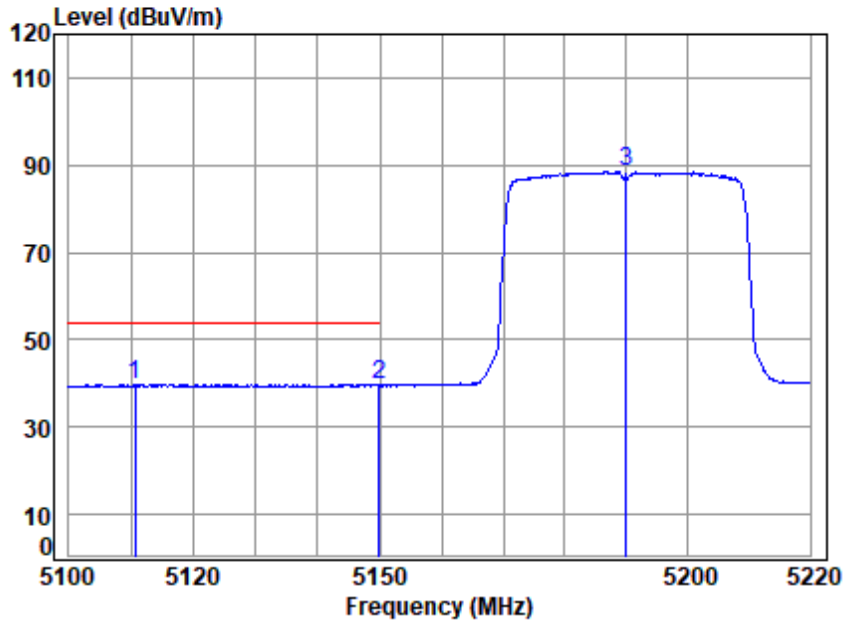


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Test Mode: 09; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:Low



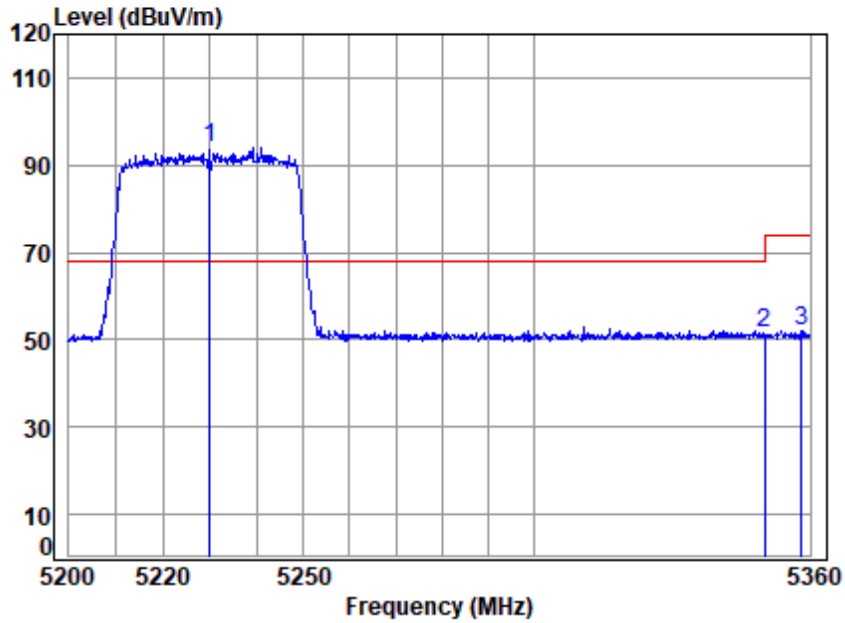
Site : chamber
 Condition: 3m VERTICAL
 Job No : 00384AT/00385AT
 Mode : 5190 Band edge
 : 5G WIFI 11AX40

		Cable	Ant	Preamp	Read	Limit	Over		
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	q 5110.686	7.52	33.98	35.33	33.70	39.87	54.00	-14.13	Average
2	5149.980	7.55	33.90	35.31	33.44	39.58	54.00	-14.42	Average
3	5190.000	7.58	33.98	35.29	82.15	88.42	-----	-----	Average



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



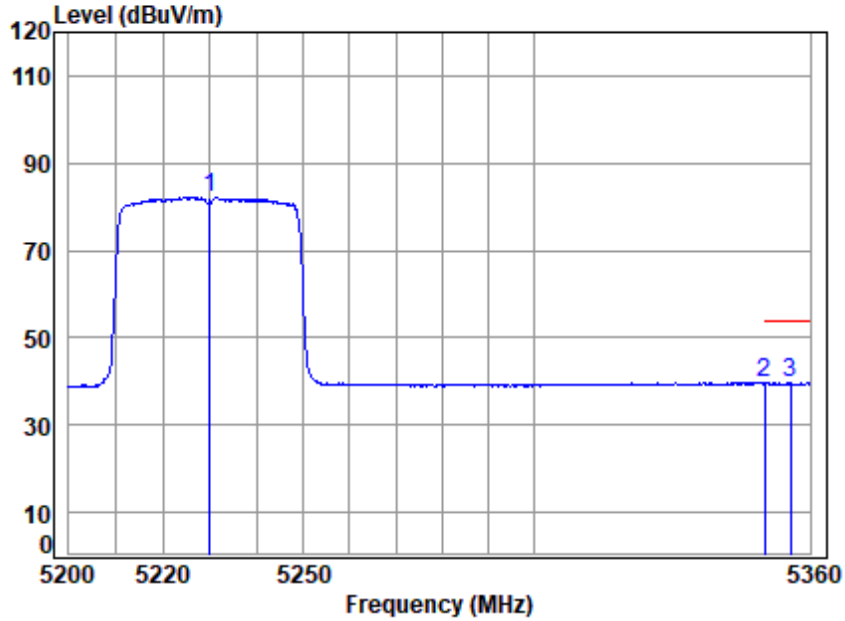
Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 00384AT/00385AT
 Mode : 5230 Band edge
 : 5G WIFI 11AX40

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 p 5230.000	7.61	34.06	35.27	87.42	93.82	68.20	25.62 peak
2 5350.020	7.70	34.40	35.21	44.47	51.36	74.00	-22.64 peak
3 5358.051	7.71	34.43	35.20	45.18	52.12	74.00	-21.88 peak



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



Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 00384AT/00385AT
 Mode : 5230 Band edge
 : 5G WIFI 11AX40

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5230.000	7.61	34.06	35.27	75.79	82.19	-----	----- Average
2	5350.020	7.70	34.40	35.21	32.77	39.66	54.00	-14.34 Average
3	5355.616	7.71	34.42	35.21	32.72	39.64	54.00	-14.36 Average

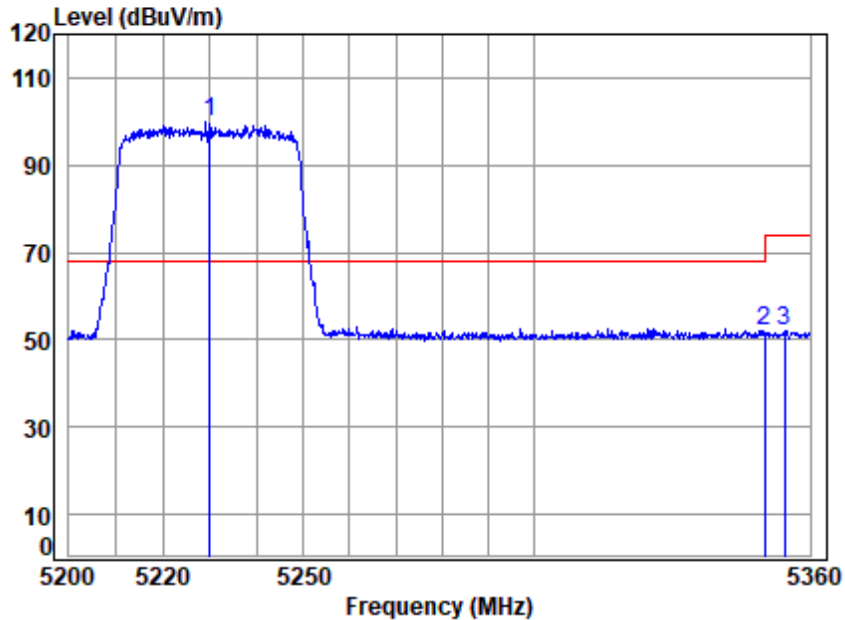


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Test Mode: 09; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:High



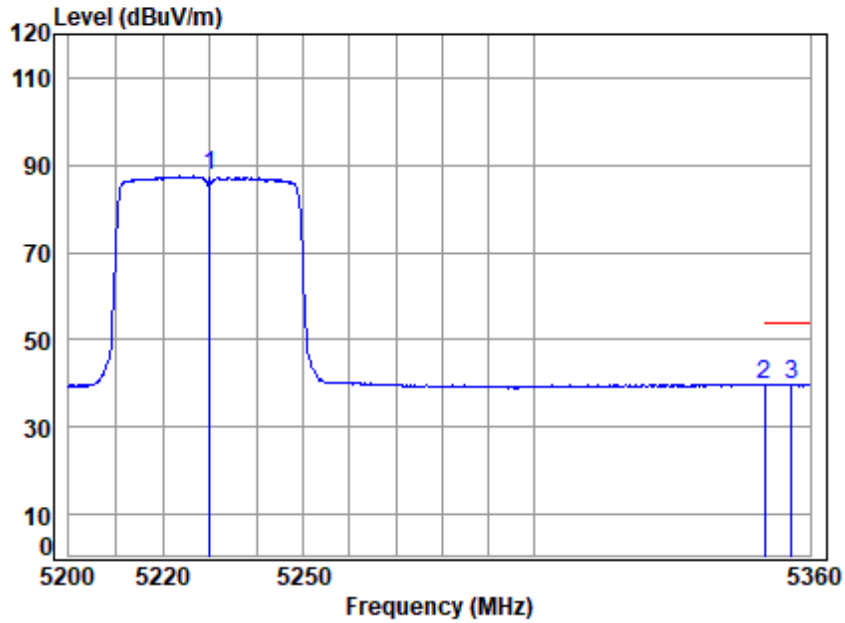
Site : chamber
 Condition: 3m VERTICAL
 Job No : 00384AT/00385AT
 Mode : 5230 Band edge
 : 5G WIFI 11AX40

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 p 5230.000	7.61	34.06	35.27	93.32	99.72	68.20	31.52 Peak
2 5350.020	7.70	34.40	35.21	45.12	52.01	74.00	-21.99 Peak
3 5354.318	7.71	34.42	35.21	45.29	52.21	74.00	-21.79 Peak



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



Site : chamber
 Condition: 3m VERTICAL
 Job No : 00384AT/00385AT
 Mode : 5230 Band edge
 : 5G WIFI 11AX40

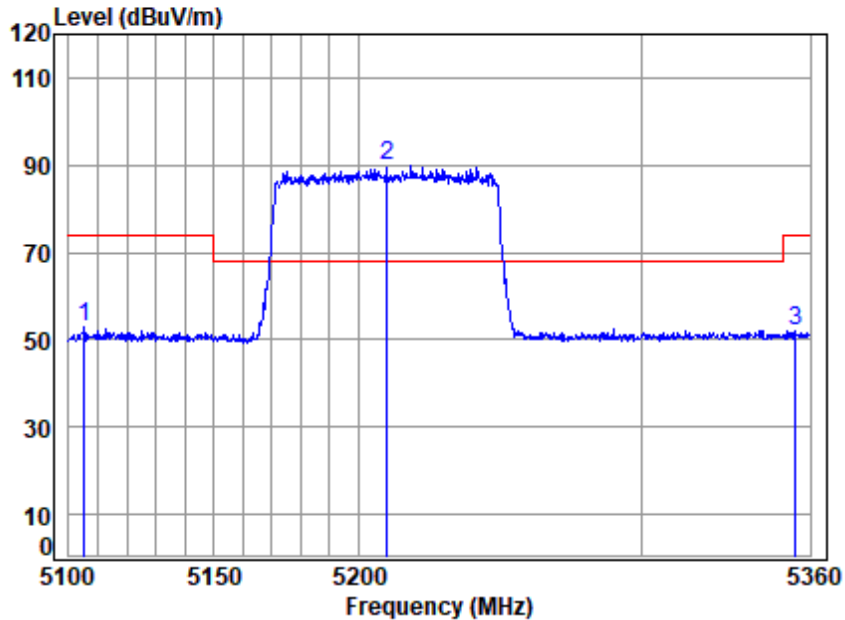
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5230.000	7.61	34.06	35.27	81.04	87.44	-----	-----	Average
2	5350.020	7.70	34.40	35.21	32.79	39.68	54.00	-14.32	Average
3	5355.940	7.71	34.42	35.21	32.89	39.81	54.00	-14.19	Average



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



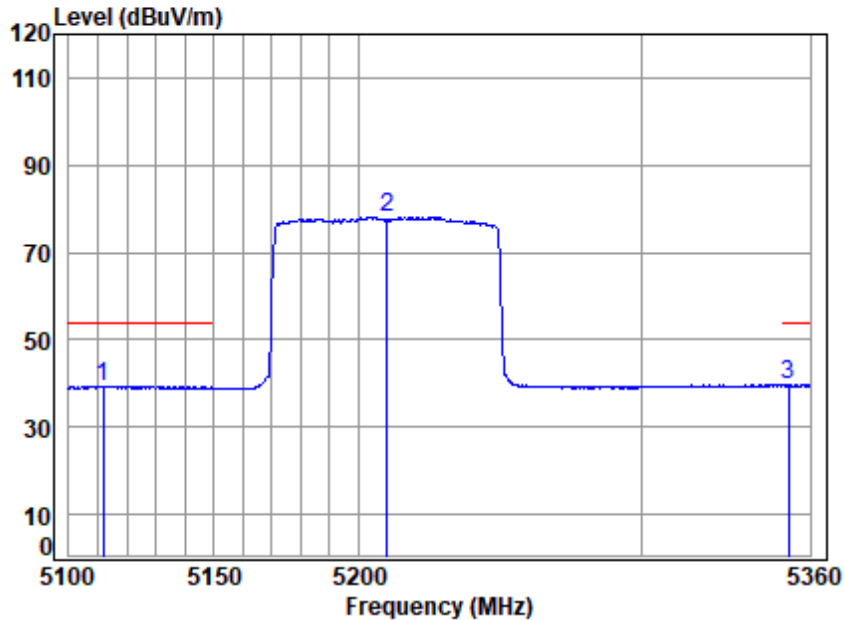
Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 00384AT/00385AT
 Mode : 5210 Band edge
 : 5G WIFI 11AX80

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5105.328	7.51	33.99	35.33	46.75	52.92	74.00	-21.08 peak
2 p	5210.000	7.60	34.02	35.28	83.61	89.95	68.20	21.75 peak
3	5354.672	7.71	34.42	35.21	44.94	51.86	74.00	-22.14 peak



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



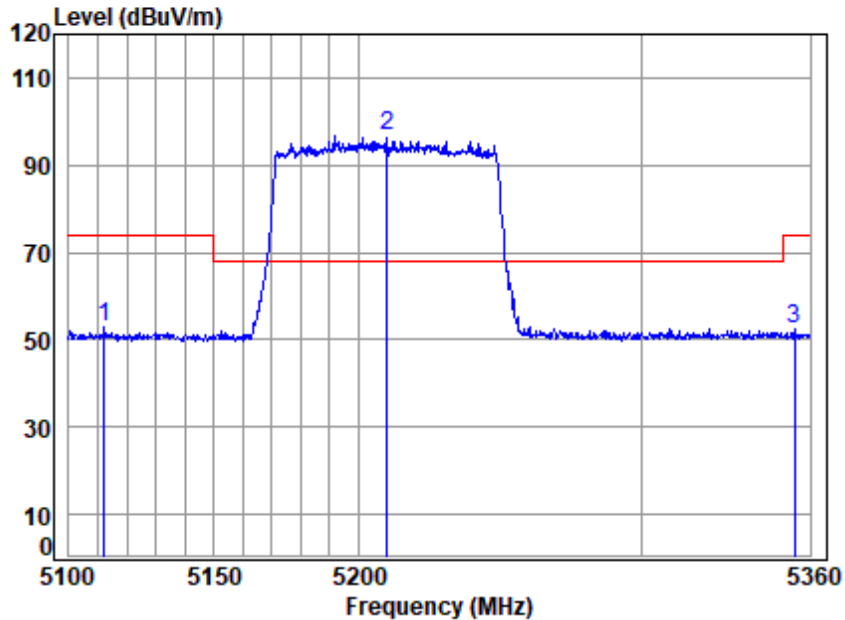
Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 00384AT/00385AT
 Mode : 5210 Band edge
 : 5G WIFI 11AX80

	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	5111.933	7.52	33.98	35.33	33.14	54.00	-14.69	Average
2	5210.000	7.60	34.02	35.28	71.88	-----	-----	Average
3 q	5352.276	7.71	34.41	35.21	32.76	54.00	-14.33	Average



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



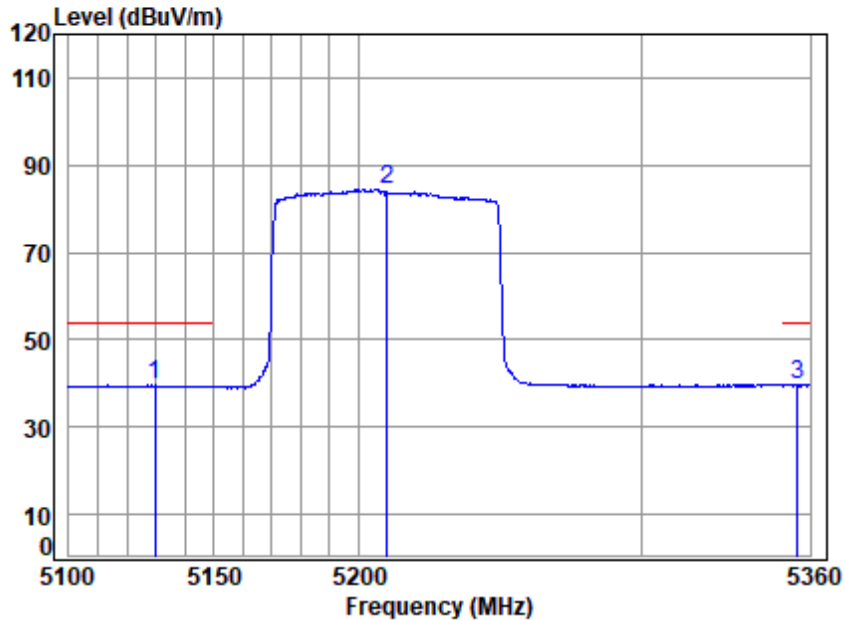
Site : chamber
 Condition: 3m VERTICAL
 Job No : 00384AT/00385AT
 Mode : 5210 Band edge
 : 5G WIFI 11AX80

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5112.187	7.52	33.98	35.33	46.84	53.01	74.00 -20.99 Peak
2 p	5210.000	7.60	34.02	35.28	90.30	96.64	68.20 28.44 Peak
3	5354.406	7.71	34.42	35.21	45.33	52.25	74.00 -21.75 Peak



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



Site : chamber
 Condition: 3m VERTICAL
 Job No : 00384AT/00385AT
 Mode : 5210 Band edge
 : 5G WIFI 11AX80

	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	5129.756	7.53	33.94	35.32	33.42	39.57	54.00	-14.43 Average
2	5210.000	7.60	34.02	35.28	78.05	84.39	-----	----- Average
3 q	5355.471	7.71	34.42	35.21	32.93	39.85	54.00	-14.15 Average

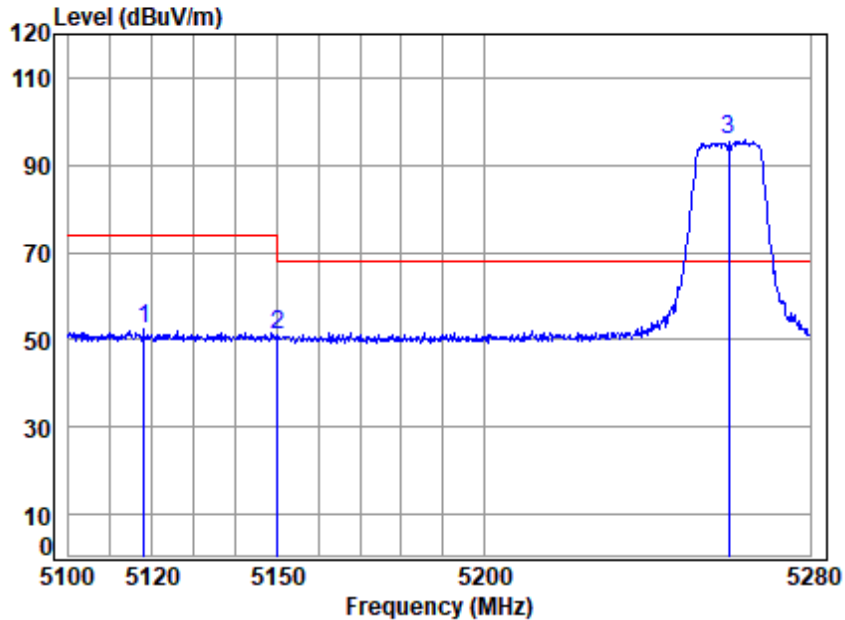


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Test Mode: 10; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



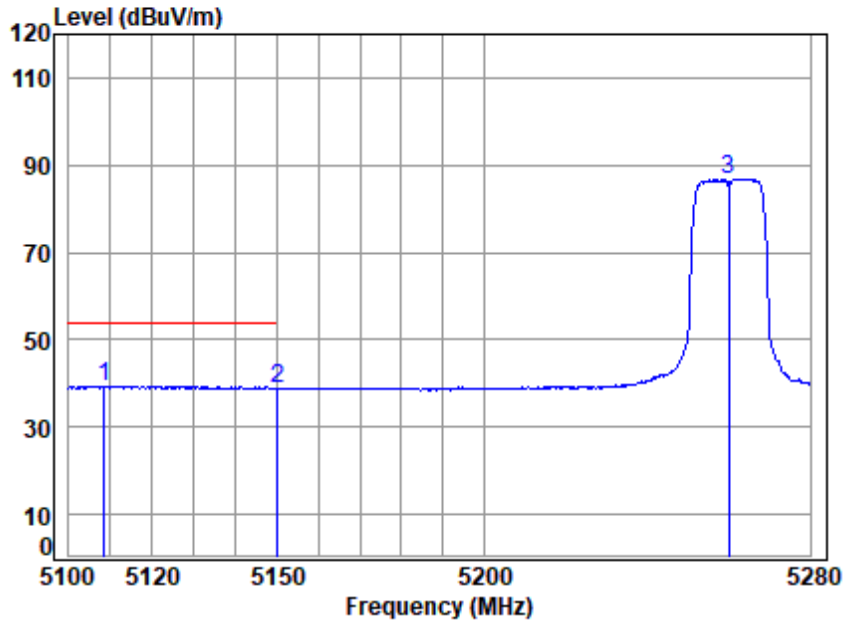
Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 00384AT/00385AT
 Mode : 5260 Band edge
 : 5G WIFI 11A

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5117.898	7.52	33.96	35.33	46.37	52.52	74.00	-21.48 peak
2	5149.980	7.55	33.90	35.31	44.92	51.06	74.00	-22.94 peak
3 p	5260.000	7.64	34.12	35.25	89.41	95.92	68.20	27.72 peak



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



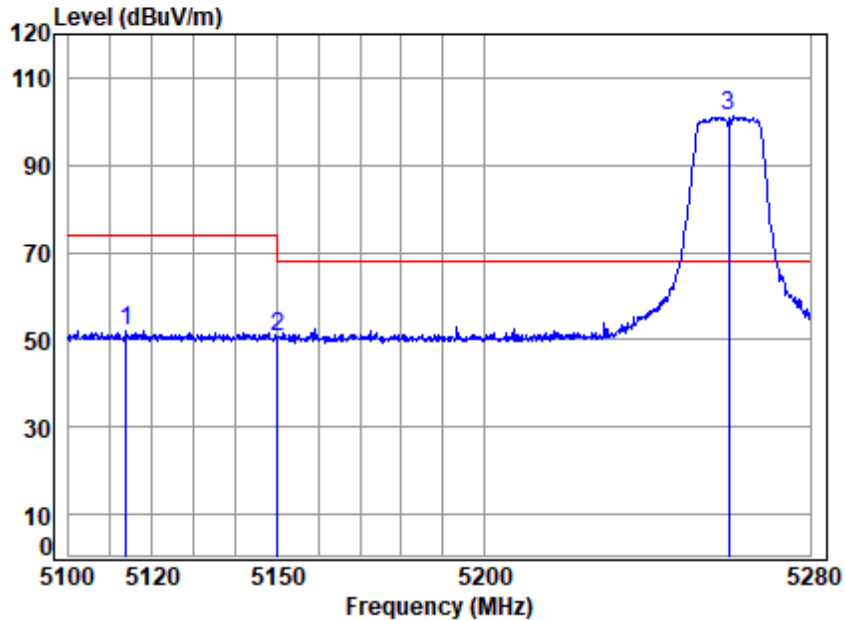
Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 00384AT/00385AT
 Mode : 5260 Band edge
 : 5G WIFI 11A

		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	q 5108.498	7.52	33.98	35.33	33.28	39.45	54.00	-14.55 Average
2	5149.980	7.55	33.90	35.31	32.85	38.99	54.00	-15.01 Average
3	5260.000	7.64	34.12	35.25	80.36	86.87	-----	----- Average



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



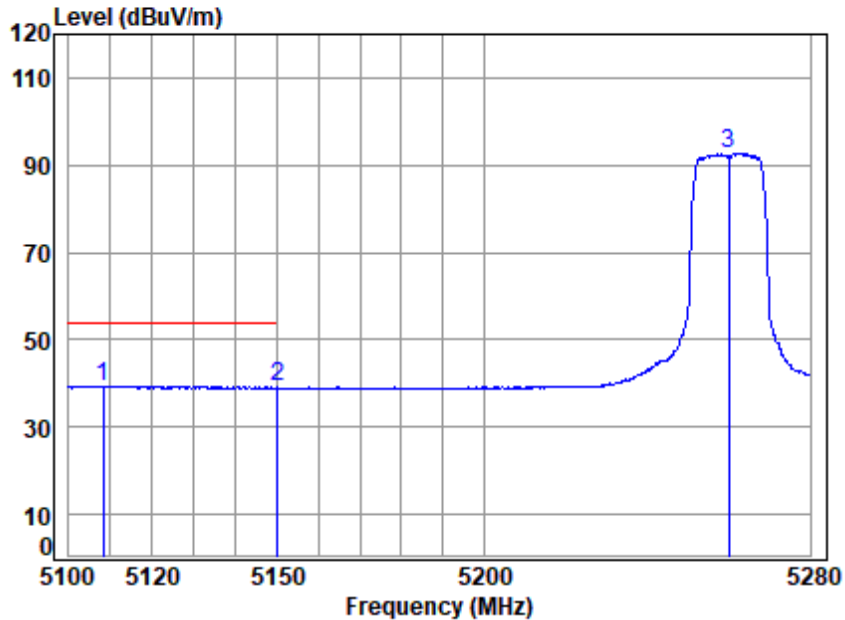
Site : chamber
 Condition: 3m VERTICAL
 Job No : 00384AT/00385AT
 Mode : 5260 Band edge
 : 5G WIFI 11A

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	7.52	33.97	35.33	45.84	52.00	74.00	-22.00	Peak
2	7.55	33.90	35.31	44.59	50.73	74.00	-23.27	Peak
3 p	7.64	34.12	35.25	94.93	101.44	68.20	33.24	Peak



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



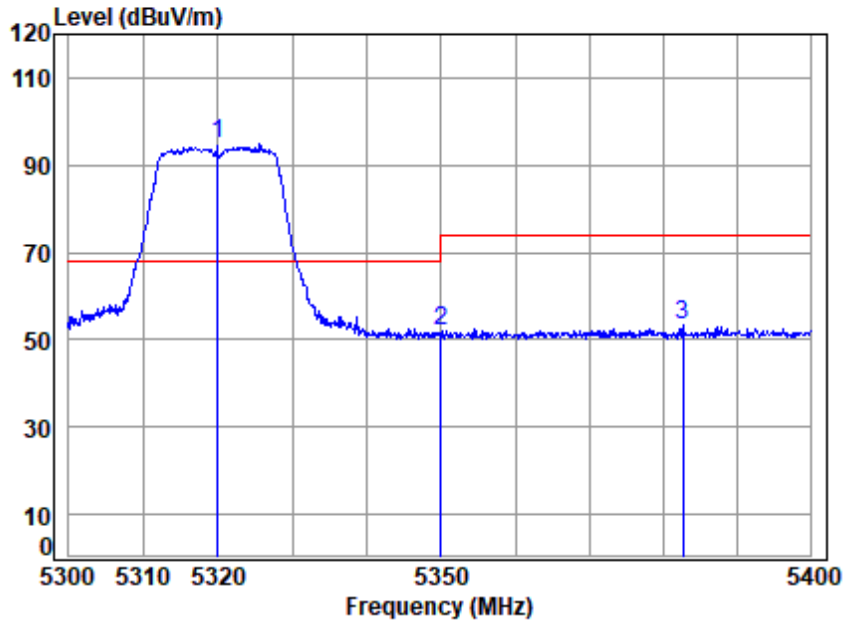
Site : chamber
 Condition: 3m VERTICAL
 Job No : 00384AT/00385AT
 Mode : 5260 Band edge
 : 5G WIFI 11A

		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	q 5108.321	7.52	33.98	35.33	33.23	39.40	54.00	-14.60 Average
2	5149.980	7.55	33.90	35.31	32.94	39.08	54.00	-14.92 Average
3	5260.000	7.64	34.12	35.25	86.23	92.74	-----	----- Average



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



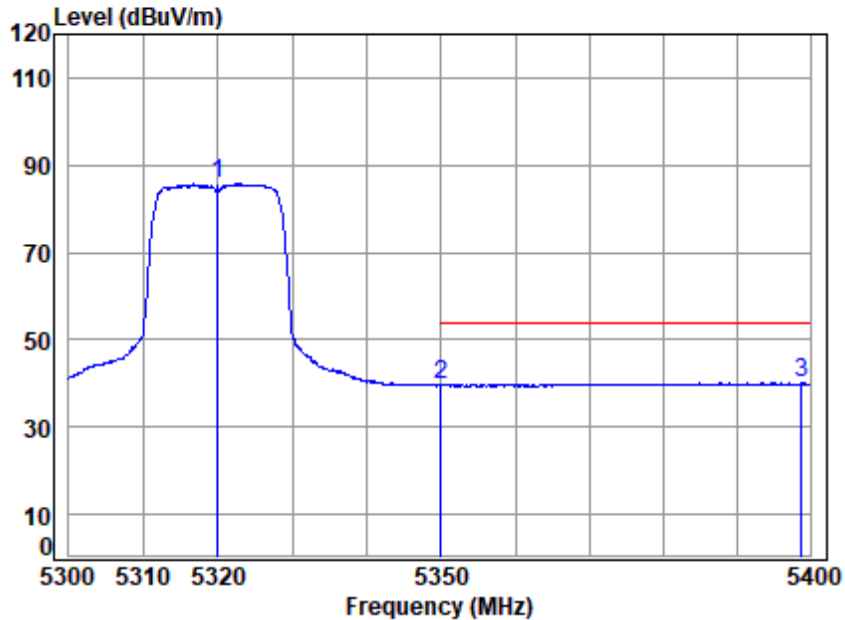
Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 00384AT/00385AT
 Mode : 5320 Band edge
 : 5G WIFI 11A

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 p 5320.000	7.68	34.28	35.22	88.10	94.84	68.20	26.64	peak
2 5350.020	7.70	34.40	35.21	44.93	51.82	74.00	-22.18	peak
3 5382.667	7.73	34.53	35.19	46.38	53.45	74.00	-20.55	peak



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



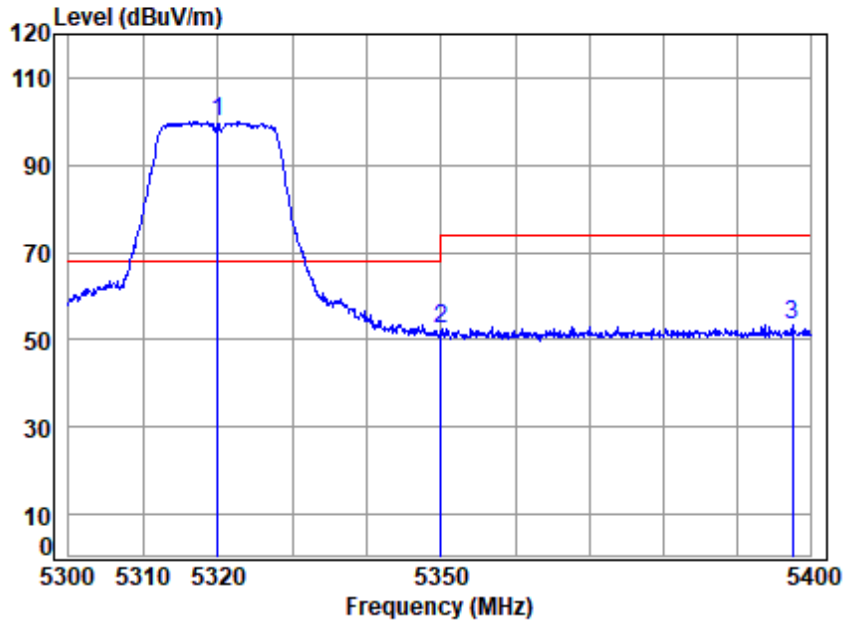
Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 00384AT/00385AT
 Mode : 5320 Band edge
 : 5G WIFI 11A

	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	5320.000	7.68	34.28	35.22	79.03	85.77	-----	-----	Average
2	5350.020	7.70	34.40	35.21	32.68	39.57	54.00	-14.43	Average
3	5398.890	7.74	34.60	35.18	32.97	40.13	54.00	-13.87	Average



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



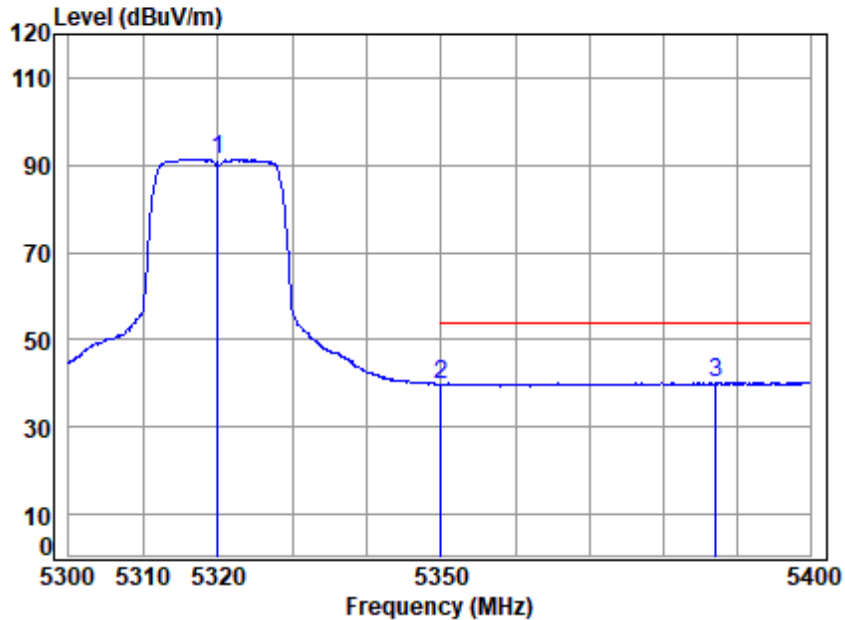
Site : chamber
 Condition: 3m VERTICAL
 Job No : 00384AT/00385AT
 Mode : 5320 Band edge
 : 5G WIFI 11A

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 p 5320.000	7.68	34.28	35.22	93.35	100.09	68.20	31.89 Peak
2 5350.020	7.70	34.40	35.21	45.75	52.64	74.00	-21.36 Peak
3 5397.578	7.74	34.59	35.18	46.05	53.20	74.00	-20.80 Peak



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



Site : chamber
 Condition: 3m VERTICAL
 Job No : 00384AT/00385AT
 Mode : 5320 Band edge
 : 5G WIFI 11A

		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5320.000	7.68	34.28	35.22	84.65	91.39	-----	----- Average
2	5350.020	7.70	34.40	35.21	32.96	39.85	54.00	-14.15 Average
3	5387.196	7.73	34.55	35.19	33.17	40.26	54.00	-13.74 Average

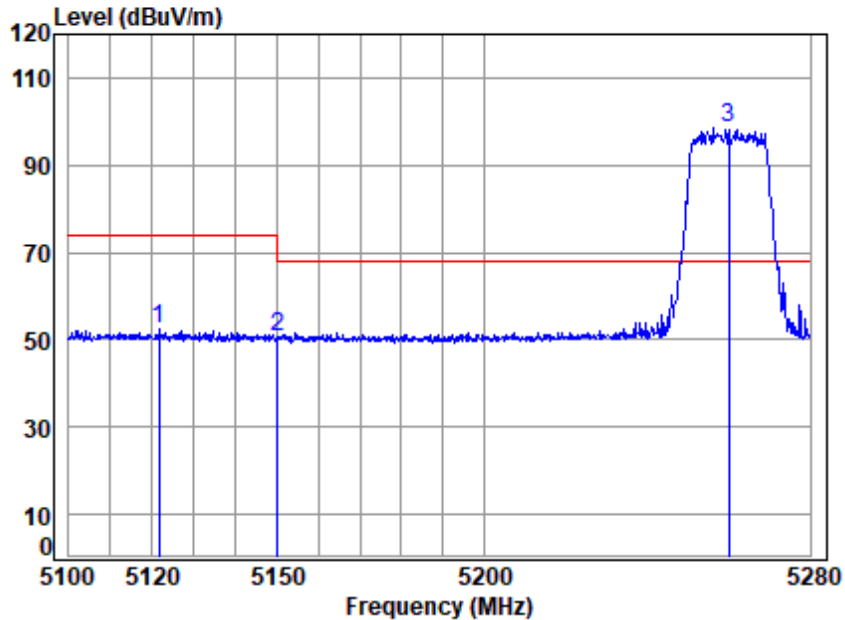


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Test Mode: 10; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:Low



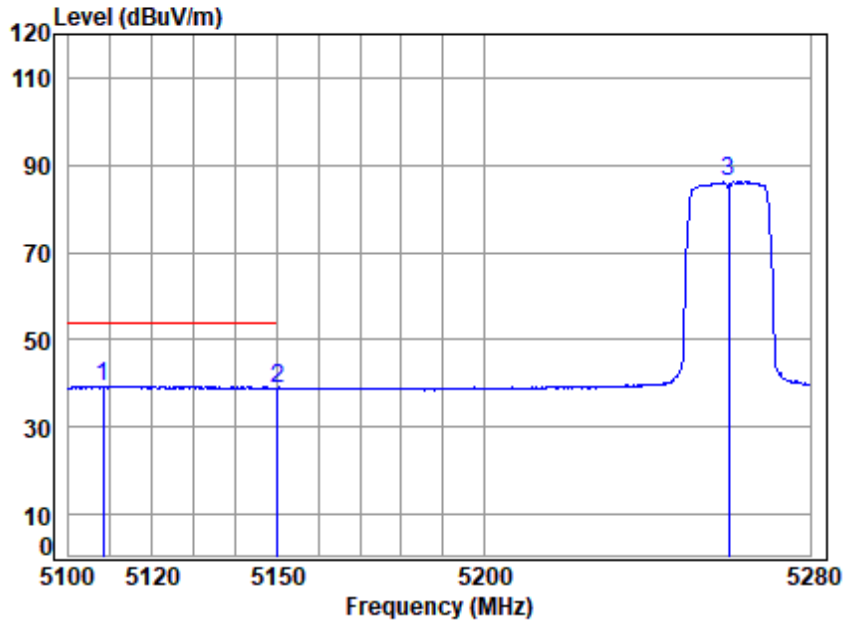
Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 00384AT/00385AT
 Mode : 5260 Band edge
 : 5G WIFI 11AX20

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5121.627	7.53	33.96	35.33	46.45	52.61	74.00	-21.39 peak
2	5149.980	7.55	33.90	35.31	44.60	50.74	74.00	-23.26 peak
3 p	5260.000	7.64	34.12	35.25	91.84	98.35	68.20	30.15 peak



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



Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 00384AT/00385AT
 Mode : 5260 Band edge
 : 5G WIFI 11AX20

		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	q 5108.144	7.52	33.98	35.33	33.25	39.42	54.00	-14.58 Average
2	5149.980	7.55	33.90	35.31	32.85	38.99	54.00	-15.01 Average
3	5260.000	7.64	34.12	35.25	79.63	86.14	-----	----- Average

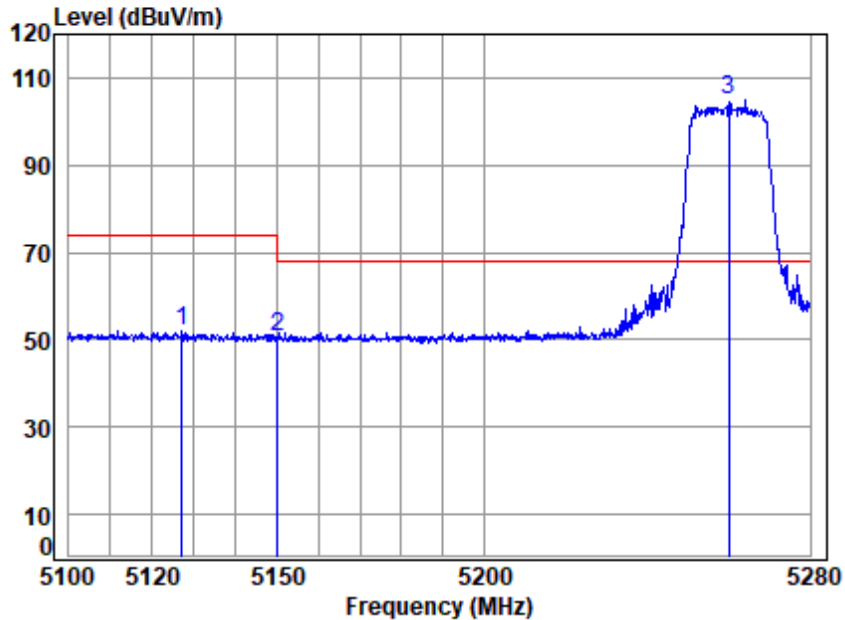


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Test Mode: 10; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:Low



Site : chamber
 Condition: 3m VERTICAL
 Job No : 00384AT/00385AT
 Mode : 5260 Band edge
 : 5G WIFI 11AX20

	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	5126.959	7.53	33.95	35.32	46.06	52.22	74.00	-21.78 Peak
2	5149.980	7.55	33.90	35.31	44.57	50.71	74.00	-23.29 Peak
3 p	5260.000	7.64	34.12	35.25	98.29	104.80	68.20	36.60 Peak

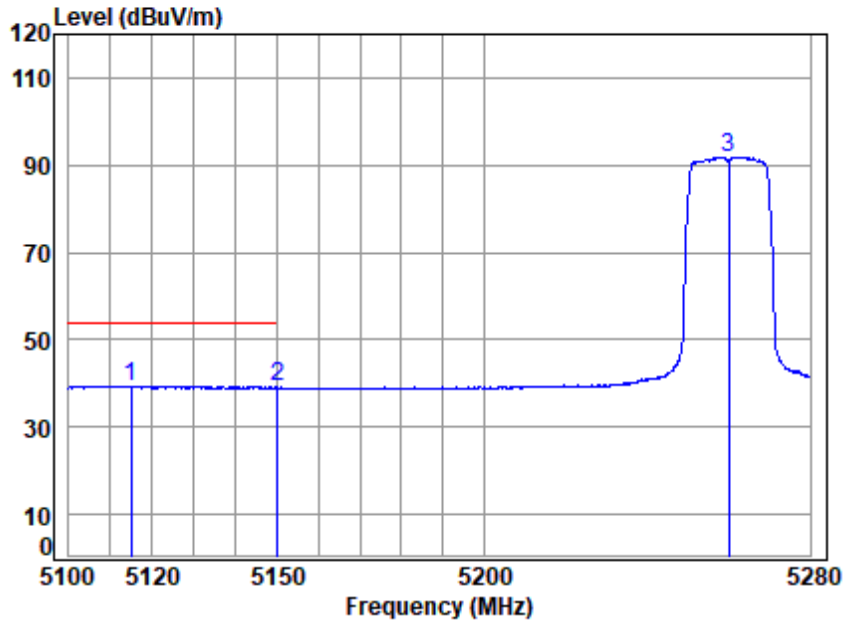


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Test Mode: 10; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:Low



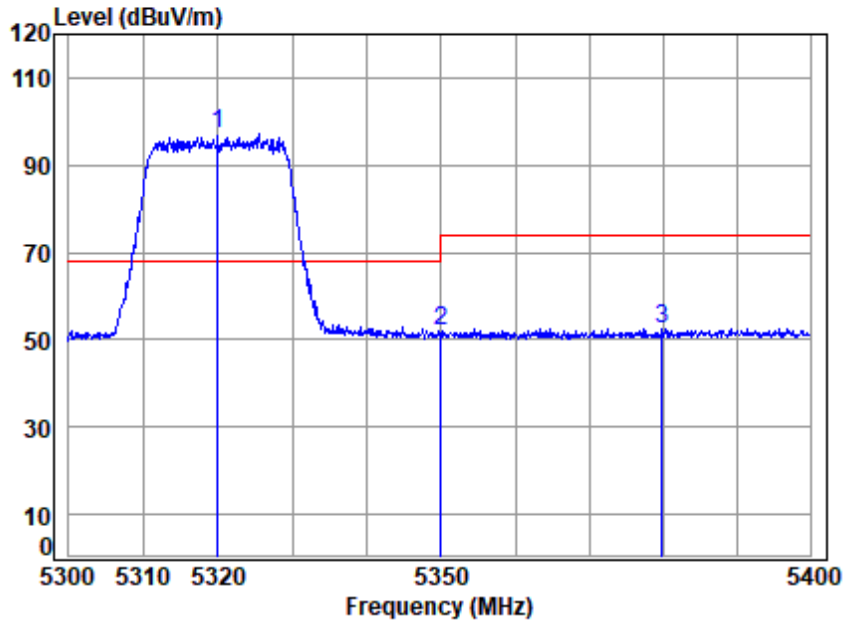
Site : chamber
 Condition: 3m VERTICAL
 Job No : 00384AT/00385AT
 Mode : 5260 Band edge
 : 5G WIFI 11AX20

		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	q 5114.881	7.52	33.97	35.33	33.26	39.42	54.00	-14.58 Average
2	5149.980	7.55	33.90	35.31	32.98	39.12	54.00	-14.88 Average
3	5260.000	7.64	34.12	35.25	85.38	91.89	-----	----- Average



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



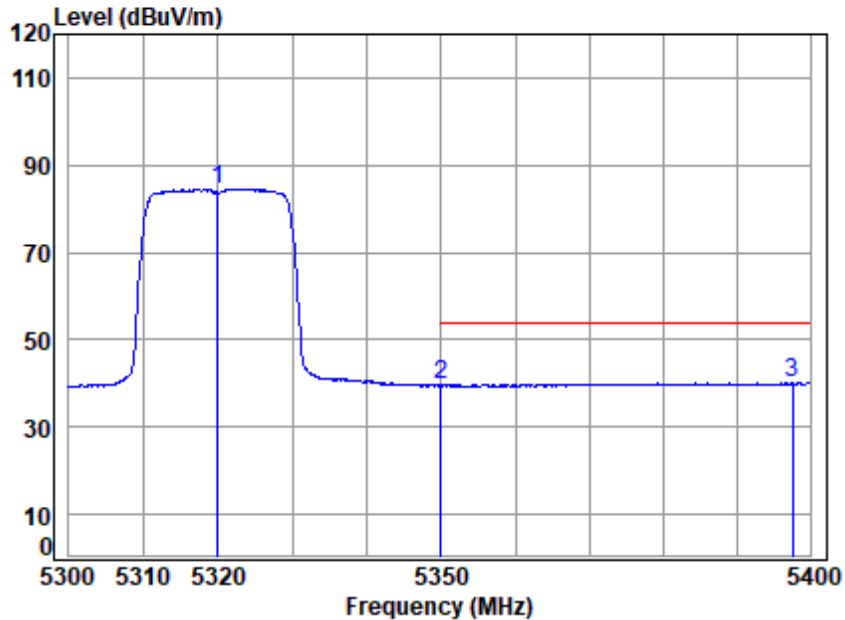
Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 00384AT/00385AT
 Mode : 5320 Band edge
 : 5G WIFI 11AX20

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 p 5320.000	7.68	34.28	35.22	90.54	97.28	68.20	29.08 peak
2 5350.020	7.70	34.40	35.21	45.01	51.90	74.00	-22.10 peak
3 5379.850	7.73	34.52	35.19	45.54	52.60	74.00	-21.40 peak



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



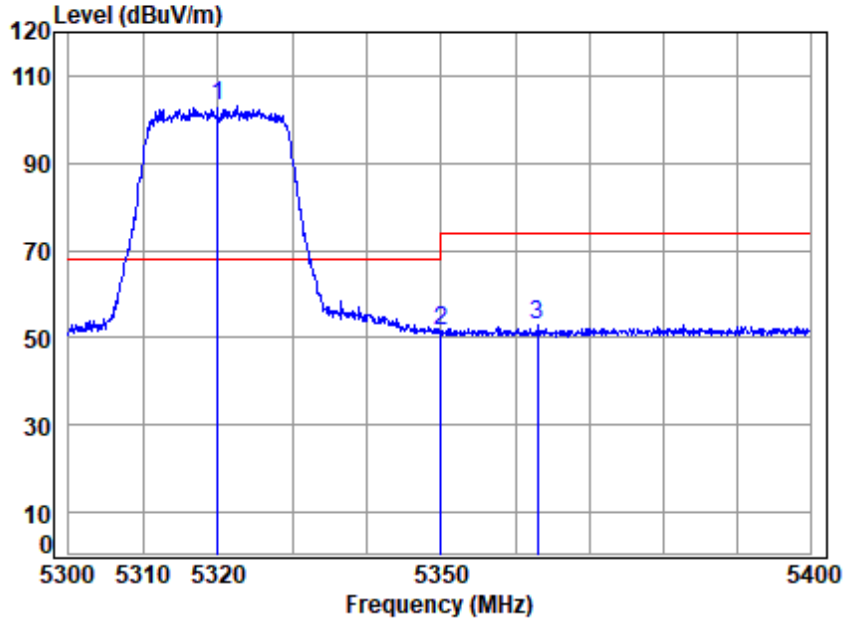
Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 00384AT/00385AT
 Mode : 5320 Band edge
 : 5G WIFI 11AX20

	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	5320.000	7.68	34.28	35.22	77.84	84.58	-----	-----	Average
2	5350.020	7.70	34.40	35.21	32.68	39.57	54.00	-14.43	Average
3 q	5397.578	7.74	34.59	35.18	33.02	40.17	54.00	-13.83	Average



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



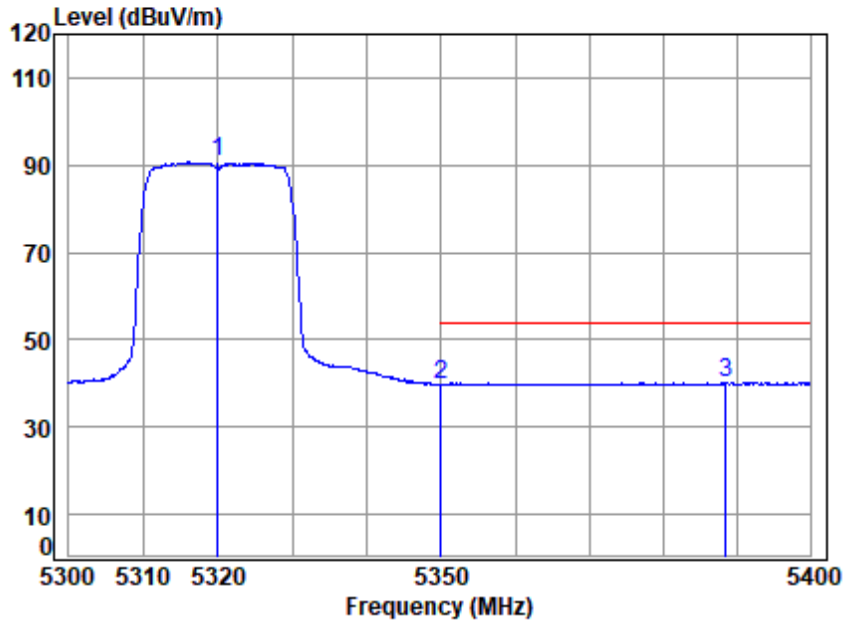
Site : chamber
 Condition: 3m VERTICAL
 Job No : 00384AT/00385AT
 Mode : 5320 Band edge
 : 5G WIFI 11AX20

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 p 5320.000	7.68	34.28	35.22	96.44	103.18	68.20	34.98 Peak
2 5350.020	7.70	34.40	35.21	44.71	51.60	74.00	-22.40 Peak
3 5362.982	7.71	34.45	35.20	46.00	52.96	74.00	-21.04 Peak



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



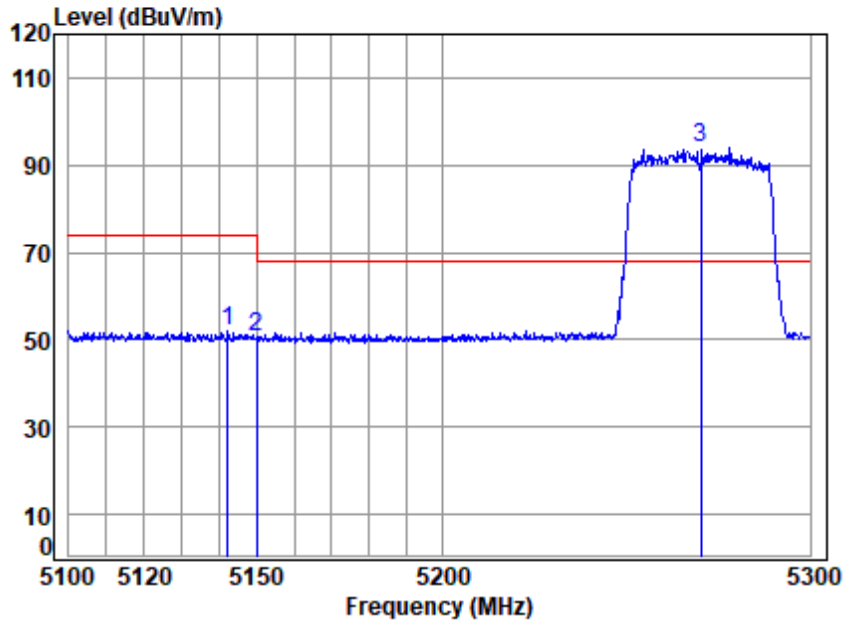
Site : chamber
 Condition: 3m VERTICAL
 Job No : 00384AT/00385AT
 Mode : 5320 Band edge
 : 5G WIFI 11AX20

	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	5320.000	7.68	34.28	35.22	83.84	90.58	-----	Average
2	5350.020	7.70	34.40	35.21	32.96	39.85	54.00	-14.15 Average
3 q	5388.505	7.73	34.55	35.19	33.17	40.26	54.00	-13.74 Average



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



Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 00384AT/00385AT
 Mode : 5270 Band edge
 : 5G WIFI 11AX40

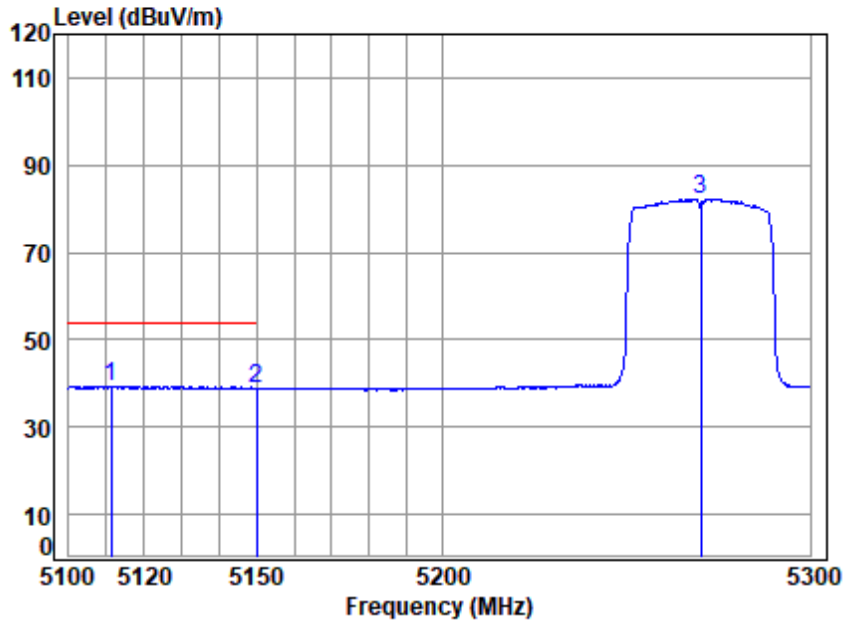
	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5142.353	7.54	33.92	35.31	46.06	52.21	74.00	-21.79 peak
2	5149.980	7.55	33.90	35.31	44.57	50.71	74.00	-23.29 peak
3 p	5270.000	7.64	34.14	35.25	87.33	93.86	68.20	25.66 peak



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



Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 00384AT/00385AT
 Mode : 5270 Band edge
 : 5G WIFI 11AX40

		Cable	Ant	Preamp	Read	Limit	Over		
	Freq	Loss	Factor	Factor	Level	Line	Limit	Remark	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	q 5111.194	7.52	33.98	35.33	33.07	39.24	54.00	-14.76	Average
2	5149.980	7.55	33.90	35.31	32.80	38.94	54.00	-15.06	Average
3	5270.000	7.64	34.14	35.25	75.81	82.34	-----	-----	Average

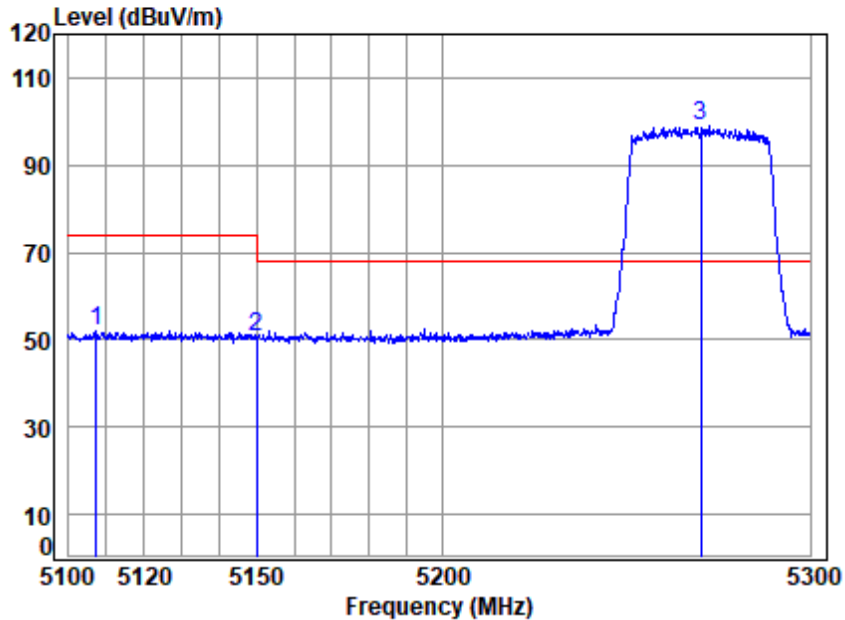


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Test Mode: 10; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:Low



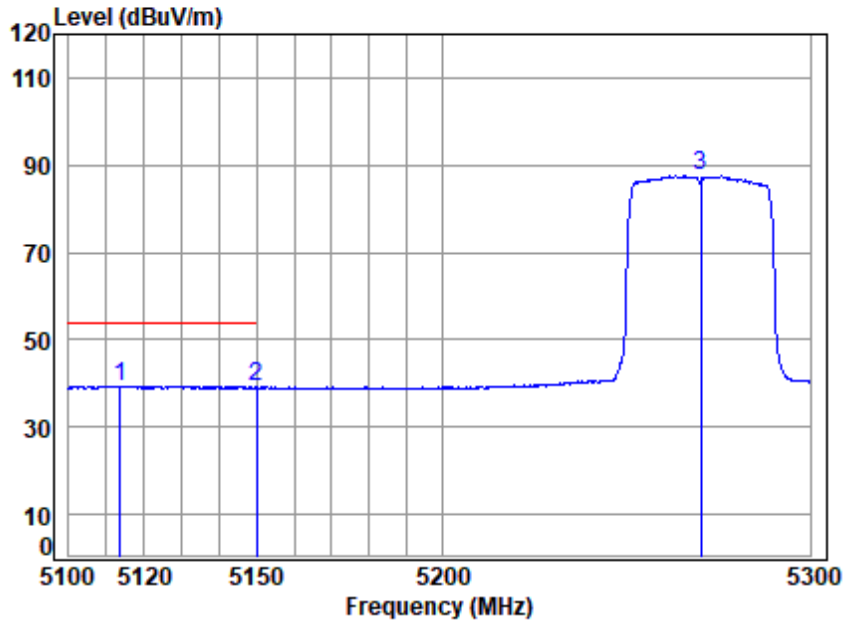
Site : chamber
 Condition: 3m VERTICAL
 Job No : 00384AT/00385AT
 Mode : 5270 Band edge
 : 5G WIFI 11AX40

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5107.264	7.52	33.99	35.33	46.01	52.19	74.00	-21.81 Peak
2	5149.980	7.55	33.90	35.31	44.50	50.64	74.00	-23.36 Peak
3 p	5270.000	7.64	34.14	35.25	92.46	98.99	68.20	30.79 Peak



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



Site : chamber
 Condition: 3m VERTICAL
 Job No : 00384AT/00385AT
 Mode : 5270 Band edge
 : 5G WIFI 11AX40

		Cable	Ant	Preamp	Read	Limit	Over		
	Freq	Loss	Factor	Factor	Level	Line	Limit	Remark	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	q 5113.554	7.52	33.97	35.33	33.28	39.44	54.00	-14.56	Average
2	5149.980	7.55	33.90	35.31	33.10	39.24	54.00	-14.76	Average
3	5270.000	7.64	34.14	35.25	80.94	87.47	-----	-----	Average

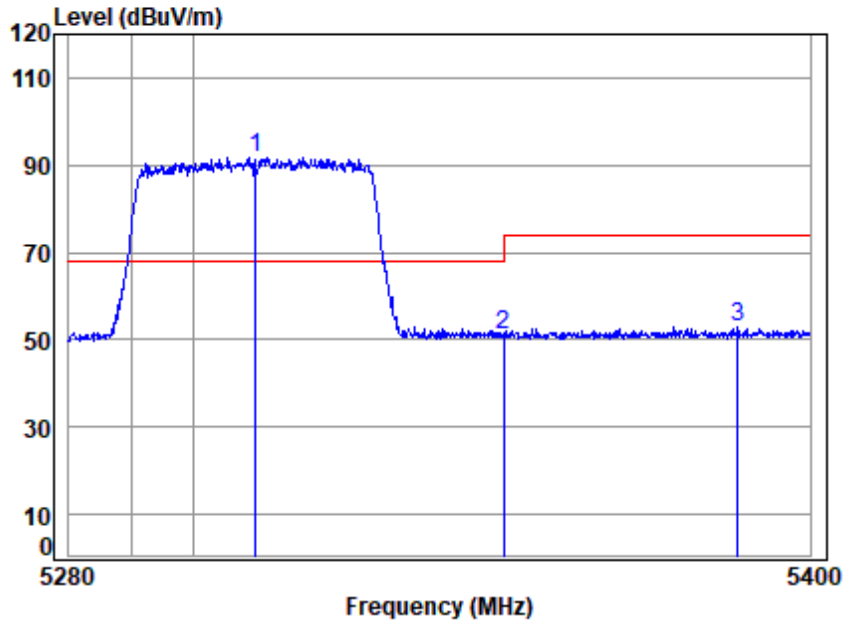


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Test Mode: 10; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:High



Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 00384AT/00385AT
 Mode : 5310 Band edge
 : 5G WIFI 11AX40

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 p 5310.000	7.67	34.24	35.23	85.09	91.77	68.20	23.57	peak
2 5350.020	7.70	34.40	35.21	44.39	51.28	74.00	-22.72	peak
3 5388.242	7.73	34.55	35.19	45.90	52.99	74.00	-21.01	peak

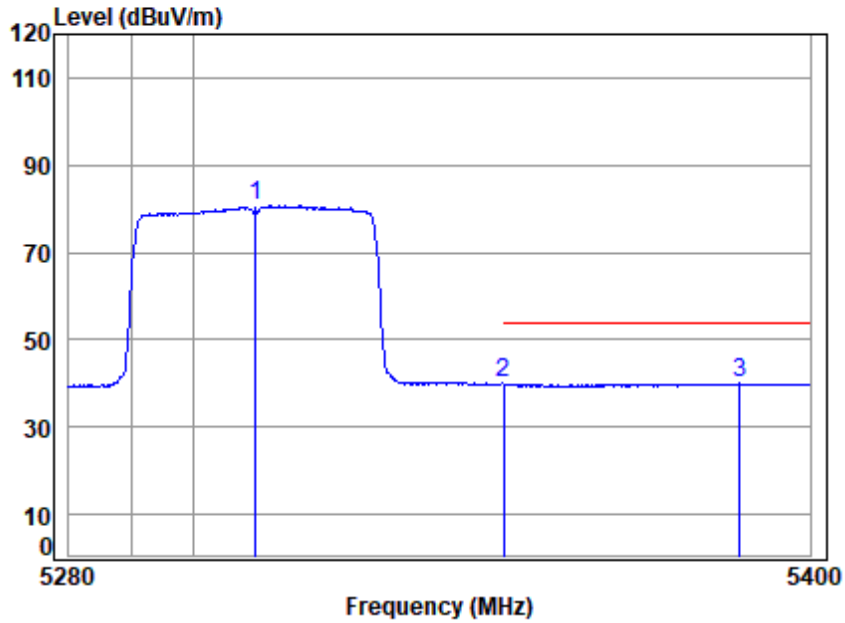


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Test Mode: 10; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:High



Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 00384AT/00385AT
 Mode : 5310 Band edge
 : 5G WIFI 11AX40

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5310.000	7.67	34.24	35.23	73.99	80.67	-----	----- Average
2	q 5350.020	7.70	34.40	35.21	33.10	39.99	54.00	-14.01 Average
3	5388.484	7.73	34.55	35.19	32.90	39.99	54.00	-14.01 Average

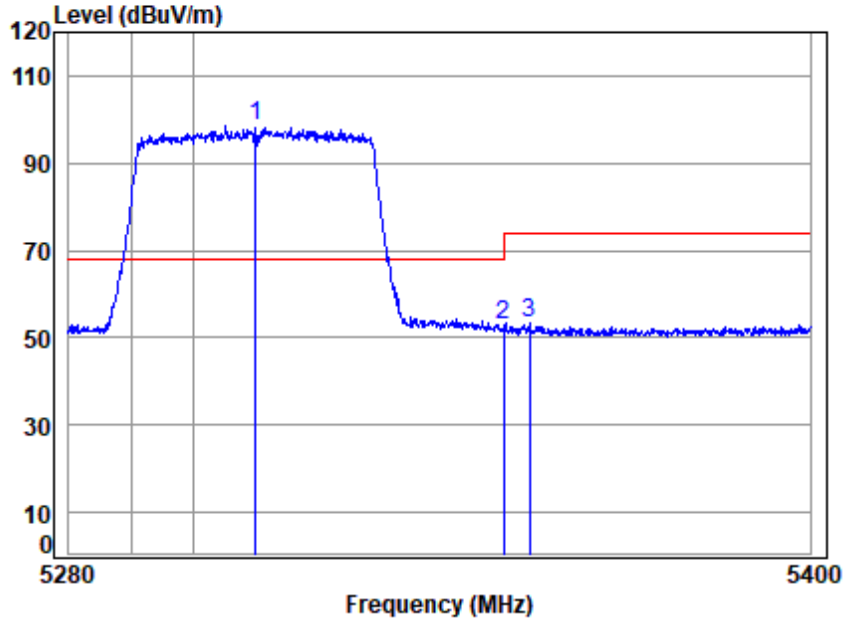


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Test Mode: 10; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:High



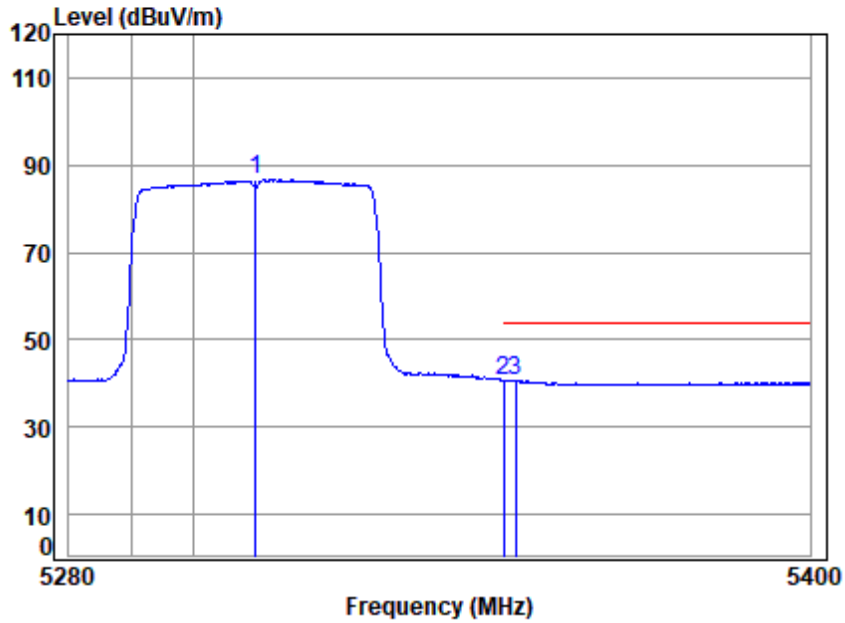
Site : chamber
 Condition: 3m VERTICAL
 Job No : 00384AT/00385AT
 Mode : 5310 Band edge
 : 5G WIFI 11AX40

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 p 5310.000	7.67	34.24	35.23	91.97	98.65	68.20	30.45 Peak
2 5350.020	7.70	34.40	35.21	45.85	52.74	74.00	-21.26 Peak
3 5354.202	7.71	34.42	35.21	46.27	53.19	74.00	-20.81 Peak



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



Site : chamber
 Condition: 3m VERTICAL
 Job No : 00384AT/00385AT
 Mode : 5310 Band edge
 : 5G WIFI 11AX40

		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5310.000	7.67	34.24	35.23	79.92	86.60	-----	----- Average
2 q	5350.020	7.70	34.40	35.21	33.89	40.78	54.00	-13.22 Average
3	5352.037	7.71	34.41	35.21	33.86	40.77	54.00	-13.23 Average

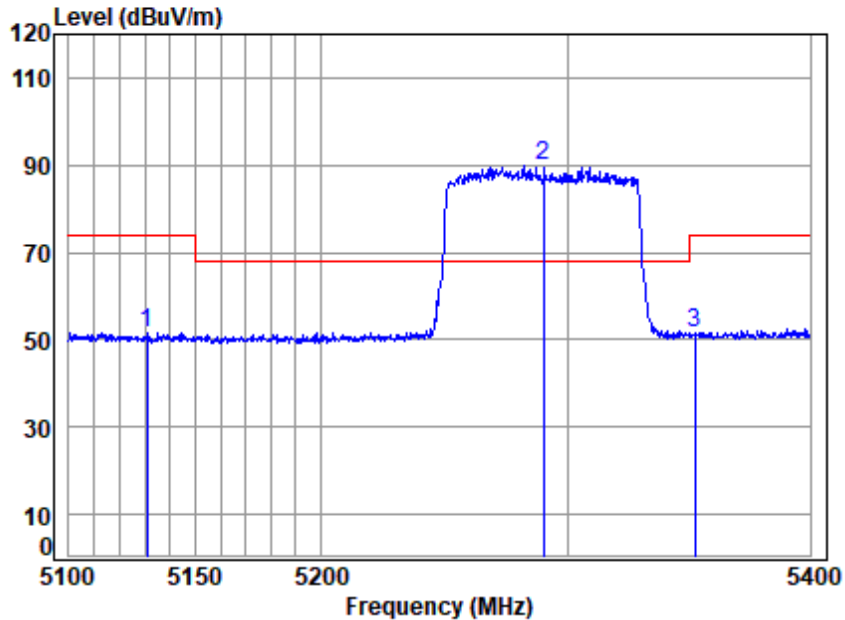


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Test Mode: 10; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:80MHz; Channel:middle



Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 00384AT/00385AT
 Mode : 5290 Band edge
 : 5G WIFI 11AX80

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	7.53	33.94	35.32	45.34	51.49	74.00	-22.51	peak
2 p	7.66	34.18	35.24	83.11	89.71	68.20	21.51	peak
3	7.71	34.41	35.21	44.76	51.67	74.00	-22.33	peak

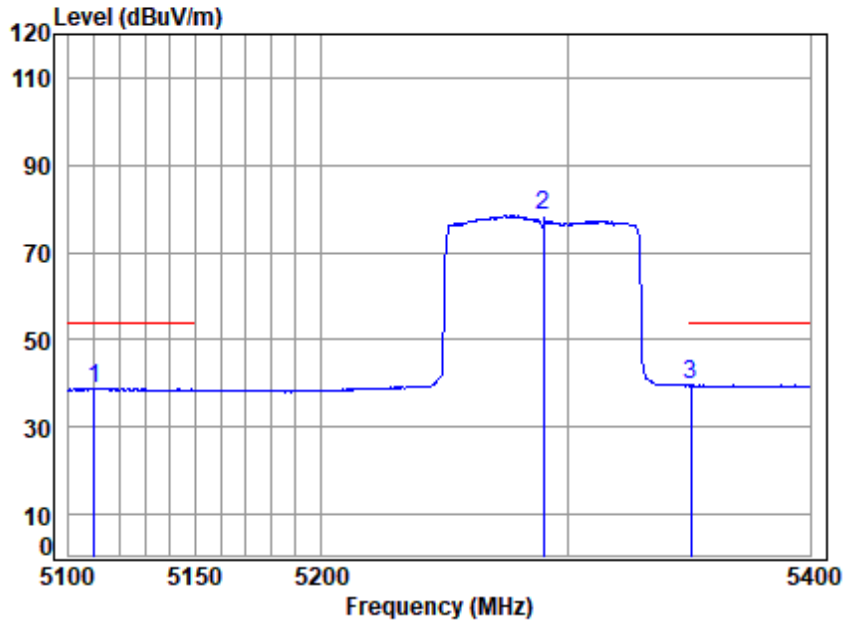


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Test Mode: 10; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:80MHz; Channel:middle



Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 00384AT/00385AT
 Mode : 5290 Band edge
 : 5G WIFI 11AX80

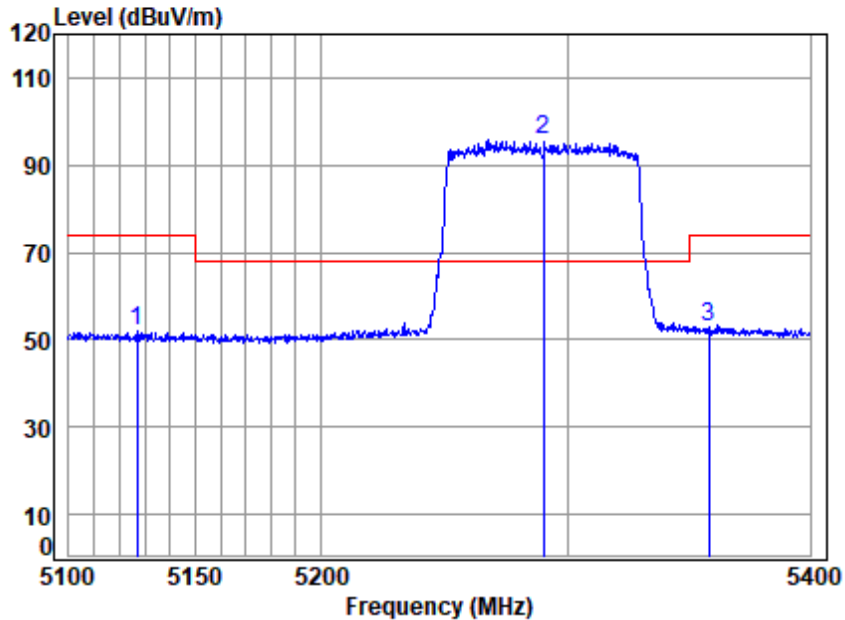
	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5109.921	7.52	33.98	35.33	32.57	38.74	54.00	-15.26 Average
2	5290.000	7.66	34.18	35.24	71.74	78.34	-----	----- Average
3	q 5350.535	7.71	34.40	35.21	32.86	39.76	54.00	-14.24 Average



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



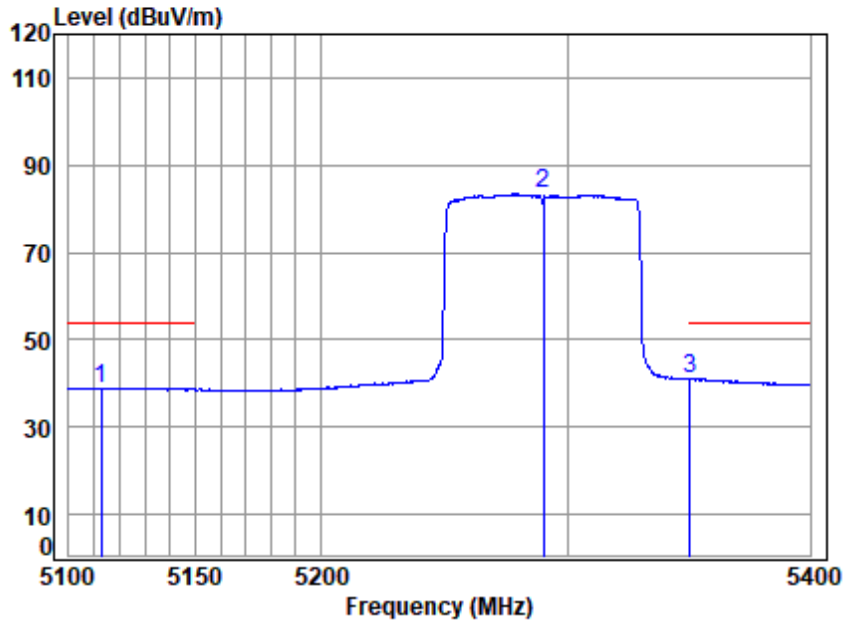
Site : chamber
 Condition: 3m VERTICAL
 Job No : 00384AT/00385AT
 Mode : 5290 Band edge
 : 5G WIFI 11AX80

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	7.53	33.95	35.32	45.80	51.96	74.00	-22.04	Peak
2 p	7.66	34.18	35.24	88.99	95.59	68.20	27.39	Peak
3	7.71	34.43	35.20	45.88	52.82	74.00	-21.18	Peak



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



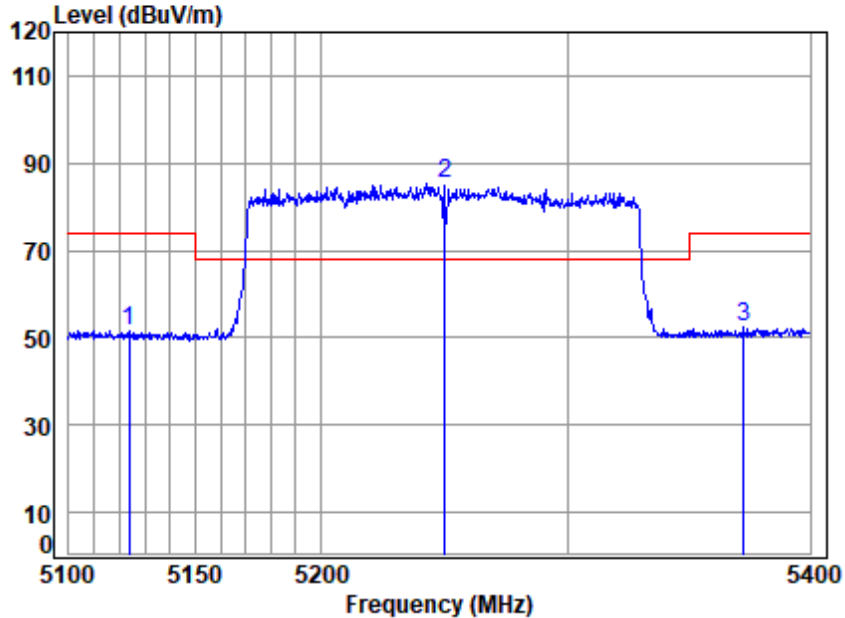
Site : chamber
 Condition: 3m VERTICAL
 Job No : 00384AT/00385AT
 Mode : 5290 Band edge
 : 5G WIFI 11AX80

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5112.842	7.52	33.97	35.33	32.68	38.84	54.00	-15.16 Average
2	5290.000	7.66	34.18	35.24	76.76	83.36	-----	----- Average
3	5350.229	7.70	34.40	35.21	34.21	41.10	54.00	-12.90 Average



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Test Mode: 10; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:160MHz; Channel:middle



Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 00384AT/00385AT
 Mode : 5250 Band edge
 : 5G WIFI 11AX160

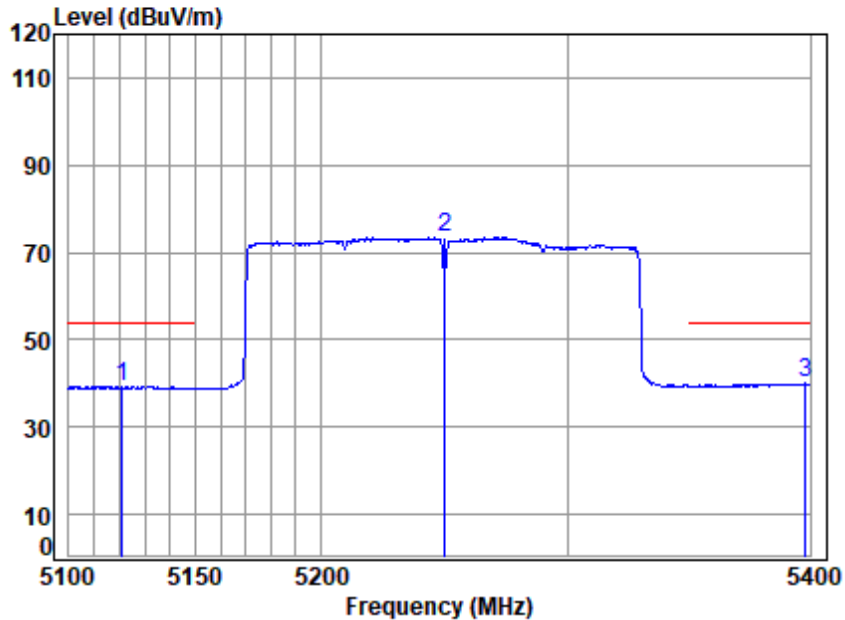
	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	7.53	33.95	35.32	45.51	51.67	74.00	-22.33	peak
2 p	7.63	34.10	35.26	78.75	85.22	68.20	17.02	peak
3	7.72	34.49	35.20	45.60	52.61	74.00	-21.39	peak



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Test Mode: 10; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:160MHz; Channel:middle



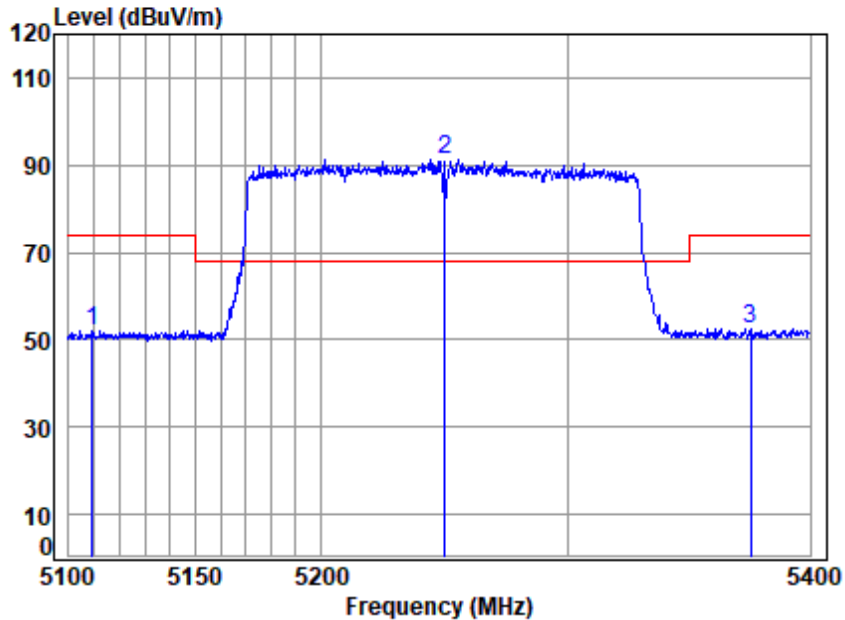
Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 00384AT/00385AT
 Mode : 5250 Band edge
 : 5G WIFI 11AX160

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	7.53	33.96	35.33	33.06	39.22	54.00	-14.78	Average
2	7.63	34.10	35.26	67.18	73.65	-----	-----	Average
3 q	7.74	34.59	35.18	32.78	39.93	54.00	-14.07	Average



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Test Mode: 10; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:160MHz; Channel:middle



Site : chamber
 Condition: 3m VERTICAL
 Job No : 00384AT/00385AT
 Mode : 5250 Band edge
 : 5G WIFI 11AX160

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	7.52	33.98	35.33	45.99	52.16	74.00	-21.84	Peak
2 p	7.63	34.10	35.26	84.88	91.35	68.20	23.15	Peak
3	7.72	34.50	35.20	45.64	52.66	74.00	-21.34	Peak

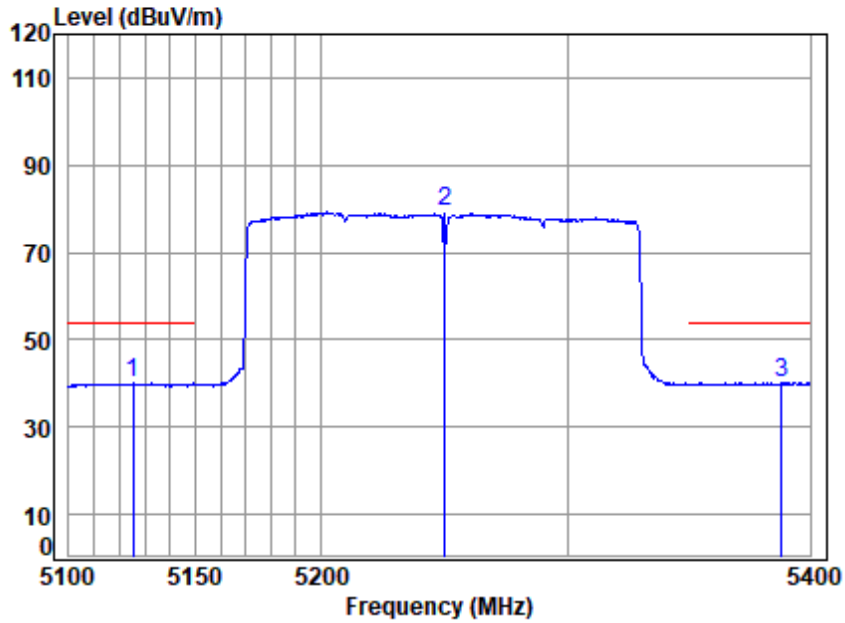


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Test Mode: 10; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:160MHz; Channel:middle



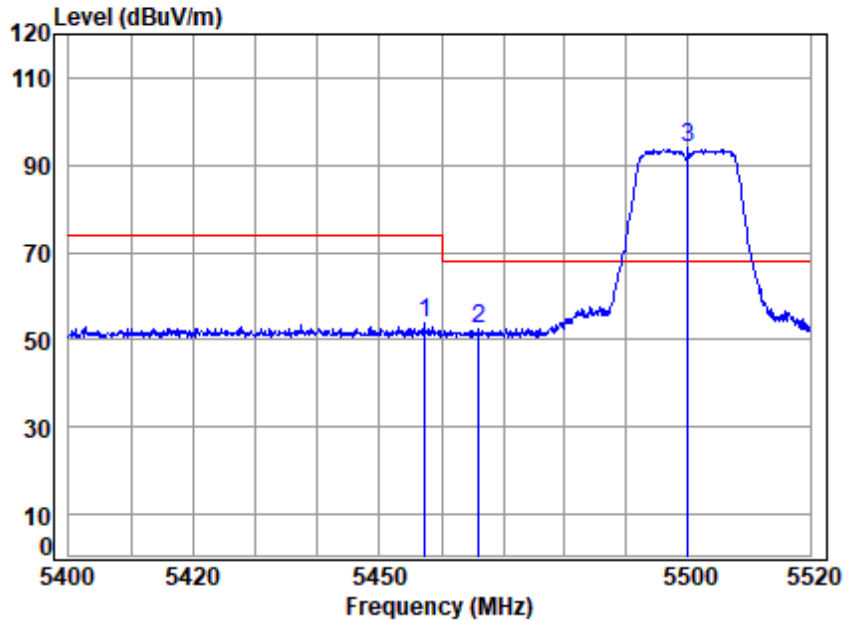
Site : chamber
 Condition: 3m VERTICAL
 Job No : 00384AT/00385AT
 Mode : 5250 Band edge
 : 5G WIFI 11AX160

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5125.424	7.53	33.95	35.32	33.80	39.96	54.00	-14.04 Average
2	5250.000	7.63	34.10	35.26	72.74	79.21	-----	----- Average
3	5387.976	7.73	34.55	35.19	33.26	40.35	54.00	-13.65 Average



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Test Mode: 11; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



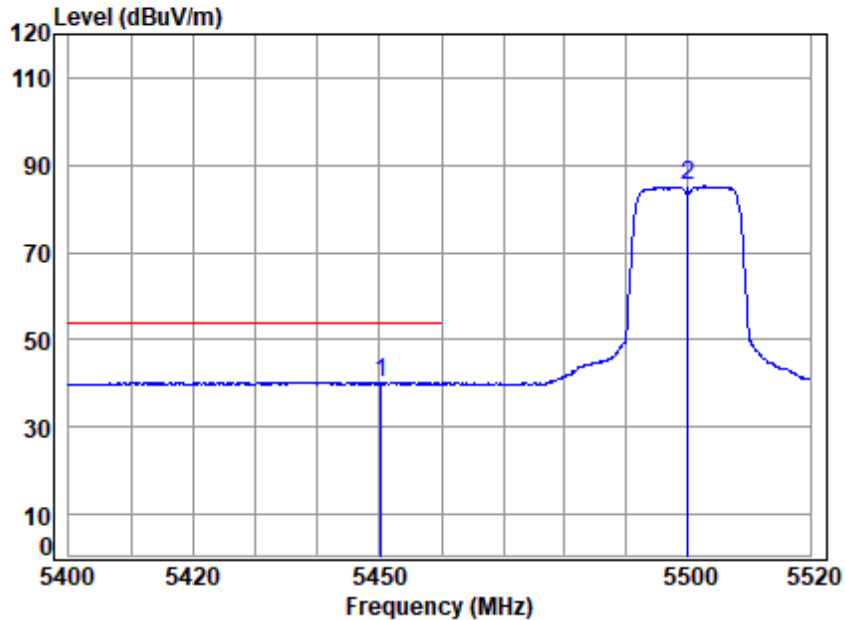
Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 00384AT/00385AT
 Mode : 5500 Band edge
 : 5G WIFI 11A

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5457.271	7.79	34.67	35.15	46.30	53.61	74.00	-20.39 peak
2	5466.034	7.79	34.64	35.15	45.10	52.38	68.20	-15.82 peak
3 p	5500.000	7.82	34.50	35.13	86.66	93.85	68.20	25.65 peak



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Test Mode: 11; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 00384AT/00385AT
 Mode : 5500 Band edge
 : 5G WIFI 11A

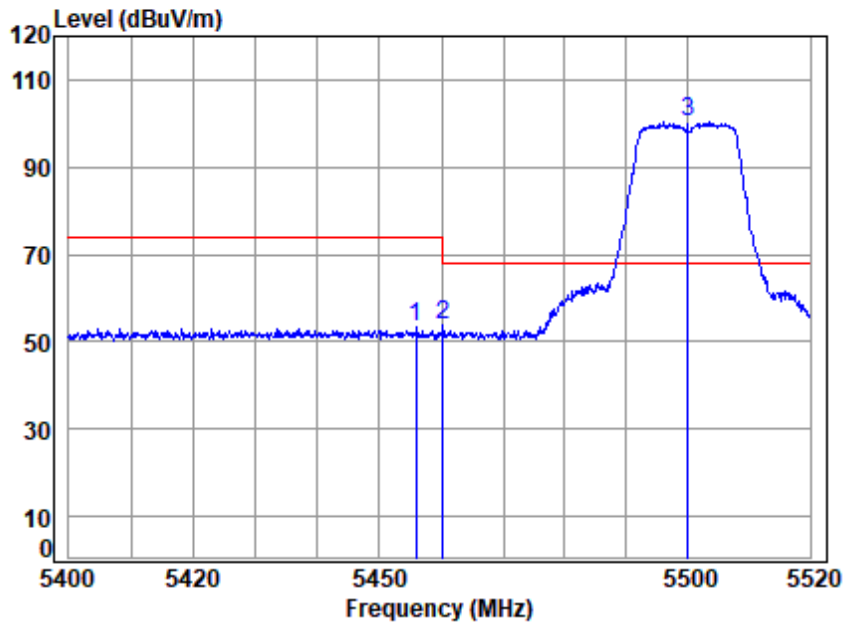
		Cable	Ant	Preamp	Read	Limit	Over		
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	q 5450.199	7.78	34.70	35.16	32.96	40.28	54.00	-13.72	Average
2	5500.000	7.82	34.50	35.13	78.06	85.25	-----	-----	Average



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Test Mode: 11; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



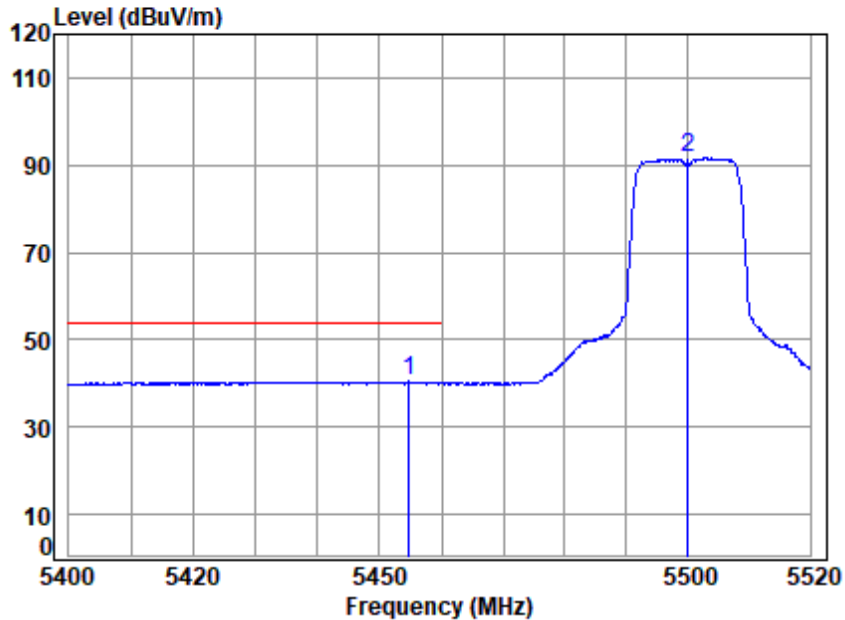
Site : chamber
 Condition: 3m VERTICAL
 Job No : 00384AT/00385AT
 Mode : 5500 Band edge
 : 5G WIFI 11A

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5455.952	7.78	34.68	35.16	45.93	53.23	74.00	-20.77 Peak
2	5460.271	7.79	34.66	35.15	46.34	53.64	68.20	-14.56 peak
3 p	5500.000	7.82	34.50	35.13	93.41	100.60	68.20	32.40 Peak



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Test Mode: 11; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Site : chamber
 Condition: 3m VERTICAL
 Job No : 00384AT/00385AT
 Mode : 5500 Band edge
 : 5G WIFI 11A

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 q 5454.752	7.78	34.68	35.16	33.11	40.41	54.00	-13.59	Average
2 5500.000	7.82	34.50	35.13	84.62	91.81	-----	-----	Average

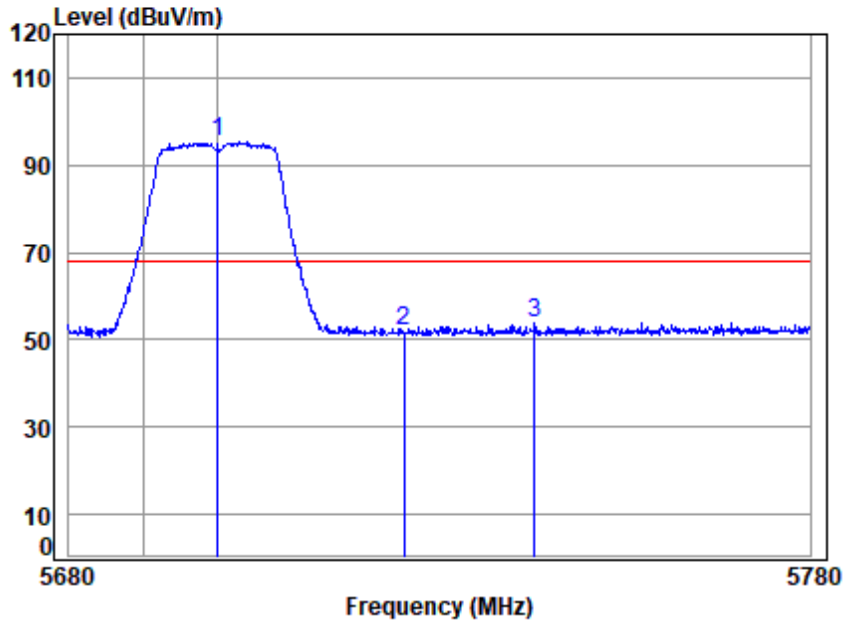


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Test Mode: 11; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:High



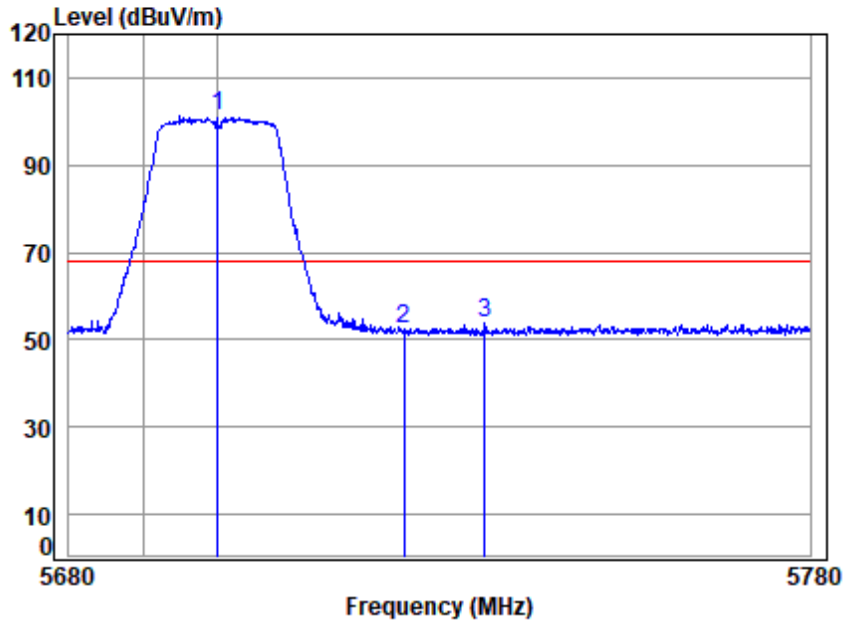
Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 00384AT/00385AT
 Mode : 5700 Band edge
 : 5G WIFI 11A

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 p 5700.000	7.96	34.30	35.04	88.07	95.29	68.20	27.09	peak
2 5725.000	7.98	34.25	35.03	45.03	52.23	68.20	-15.97	peak
3 5742.596	7.99	34.21	35.02	46.54	53.72	68.20	-14.48	peak



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Test Mode: 11; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:High



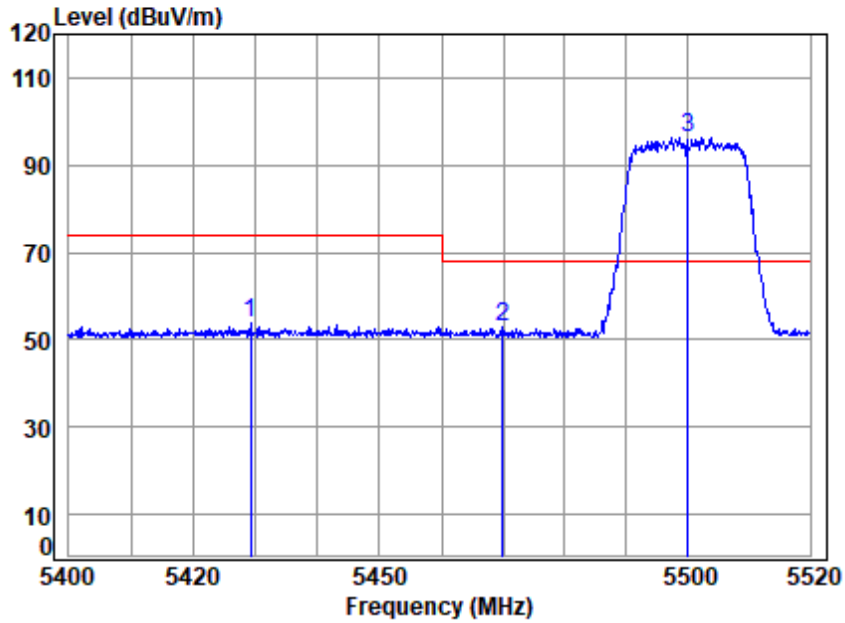
Site : chamber
 Condition: 3m VERTICAL
 Job No : 00384AT/00385AT
 Mode : 5700 Band edge
 : 5G WIFI 11A

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 p 5700.000	7.96	34.30	35.04	93.91	101.13	68.20	32.93 Peak
2 5725.000	7.98	34.25	35.03	45.27	52.47	68.20	-15.73 Peak
3 5735.885	7.99	34.23	35.02	46.82	54.02	68.20	-14.18 Peak



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Test Mode: 11; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:Low



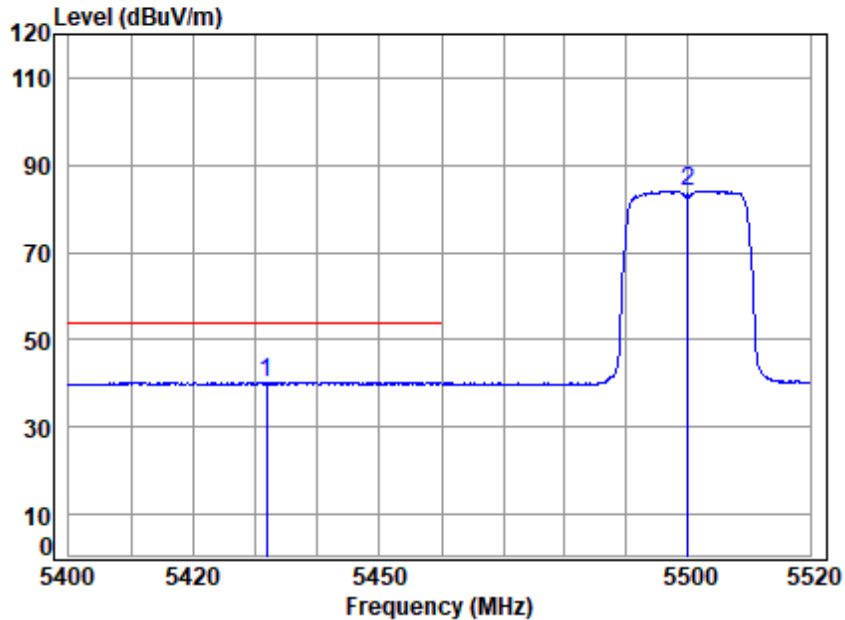
Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 00384AT/00385AT
 Mode : 5500 Band edge
 : 5G WIFI 11AX20

	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	5429.157	7.76	34.66	35.17	46.44	53.69	74.00	-20.31 peak
2	5469.880	7.79	34.62	35.15	45.58	52.84	68.20	-15.36 peak
3 p	5500.000	7.82	34.50	35.13	89.18	96.37	68.20	28.17 peak



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Test Mode: 11; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:Low



Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 00384AT/00385AT
 Mode : 5500 Band edge
 : 5G WIFI 11AX20

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 q 5431.782	7.77	34.66	35.17	32.98	40.24	54.00	-13.76	Average
2 5500.000	7.82	34.50	35.13	76.93	84.12	-----	-----	Average

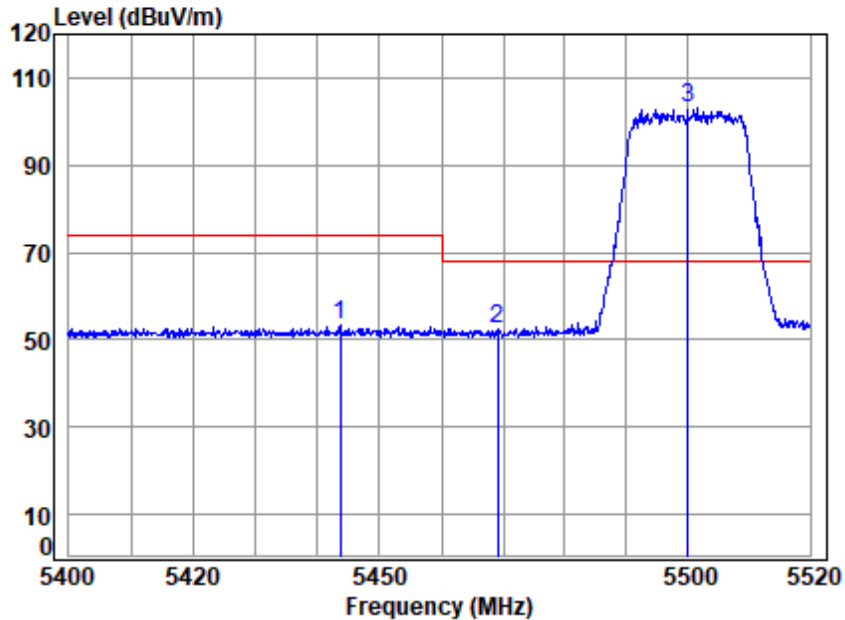


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Test Mode: 11; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:Low



Site : chamber
 Condition: 3m VERTICAL
 Job No : 00384AT/00385AT
 Mode : 5500 Band edge
 : 5G WIFI 11AX20

	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	5443.614	7.78	34.69	35.16	45.86	53.17	74.00	-20.83 Peak
2	5469.158	7.79	34.62	35.15	45.23	52.49	68.20	-15.71 peak
3 p	5500.000	7.82	34.50	35.13	95.72	102.91	68.20	34.71 Peak

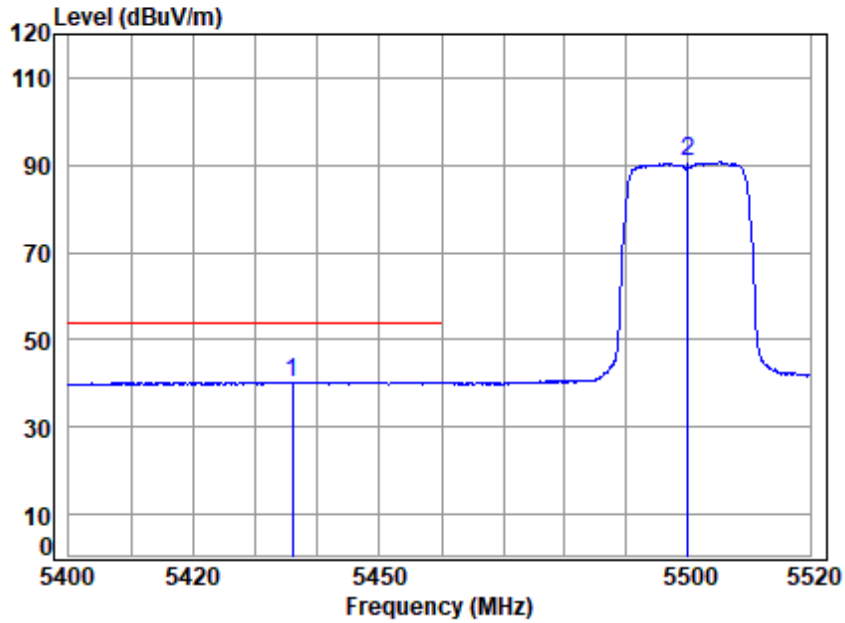


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Test Mode: 11; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:Low



Site : chamber
 Condition: 3m VERTICAL
 Job No : 00384AT/00385AT
 Mode : 5500 Band edge
 : 5G WIFI 11AX20

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 q 5435.962	7.77	34.67	35.17	33.05	40.32	54.00	-13.68	Average
2 5500.000	7.82	34.50	35.13	83.40	90.59	-----	-----	Average

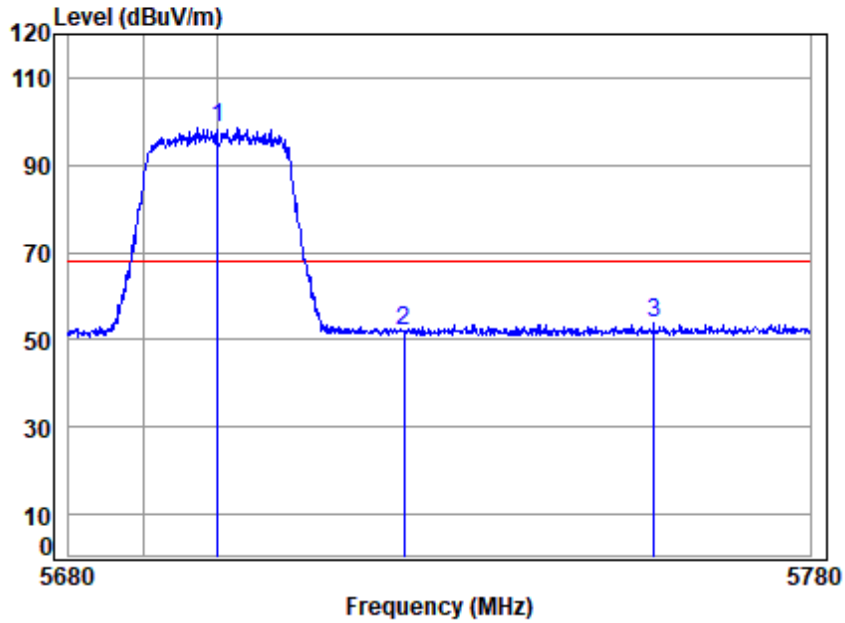


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Test Mode: 11; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:High



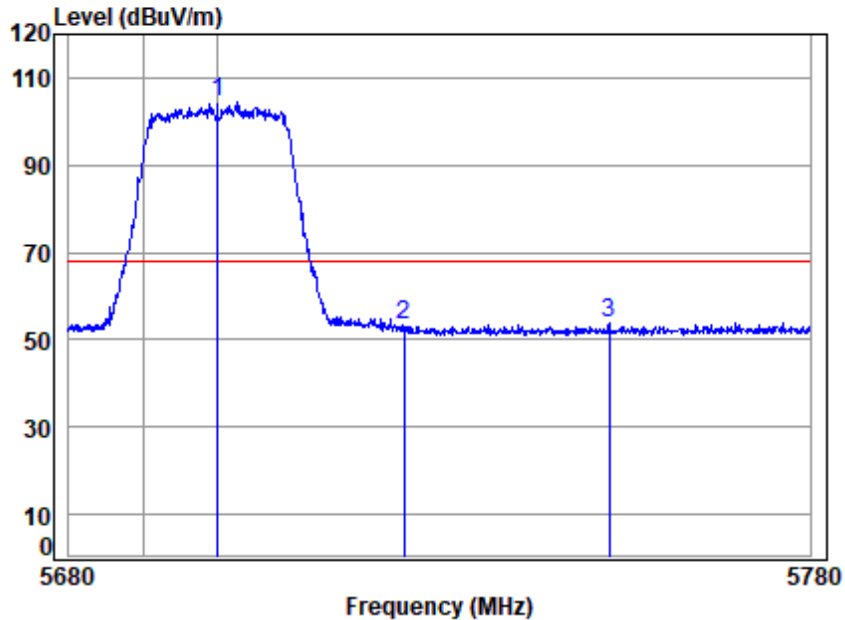
Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 00384AT/00385AT
 Mode : 5700 Band edge
 : 5G WIFI 11AX20

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 p 5700.000	7.96	34.30	35.04	91.51	98.73	68.20	30.53	peak
2 5725.000	7.98	34.25	35.03	44.86	52.06	68.20	-16.14	peak
3 5758.754	8.00	34.22	35.01	46.48	53.69	68.20	-14.51	peak



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Test Mode: 11; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:High



Site : chamber
 Condition: 3m VERTICAL
 Job No : 00384AT/00385AT
 Mode : 5700 Band edge
 : 5G WIFI 11AX20

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 p 5700.000	7.96	34.30	35.04	97.49	104.71	68.20	36.51 Peak
2 5725.000	7.98	34.25	35.03	46.19	53.39	68.20	-14.81 Peak
3 5752.728	8.00	34.21	35.01	46.64	53.84	68.20	-14.36 Peak

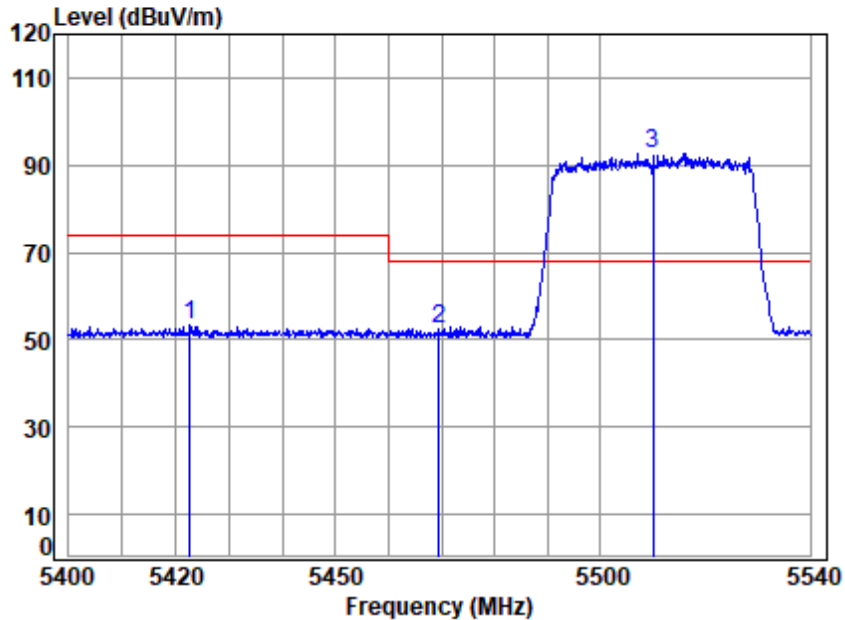


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Test Mode: 11; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:Low



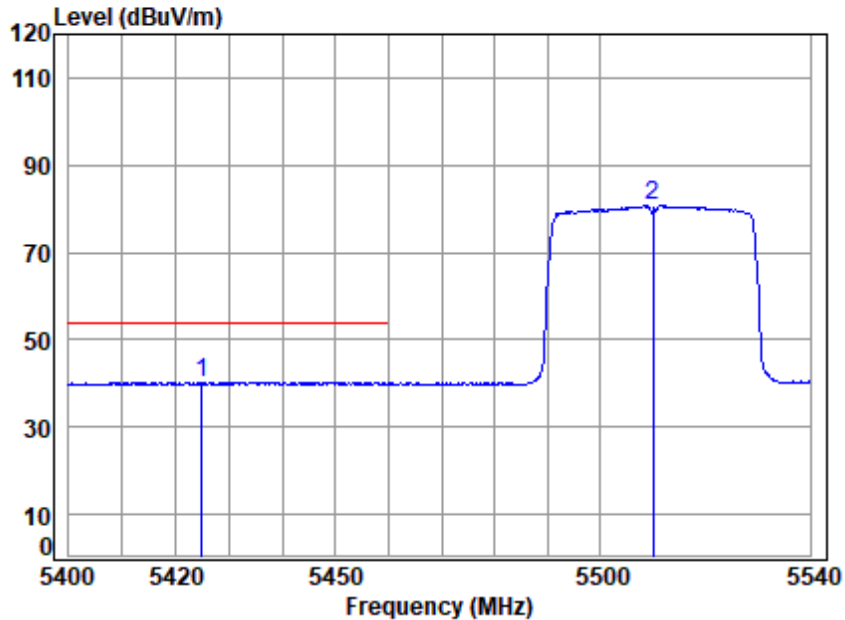
Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 00384AT/00385AT
 Mode : 5510 Band edge
 : 5G WIFI 11AX40

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5422.576	7.76	34.65	35.17	46.11	53.35	74.00	-20.65 peak
2	5469.412	7.79	34.62	35.15	45.39	52.65	68.20	-15.55 peak
3 p	5510.000	7.82	34.54	35.13	85.55	92.78	68.20	24.58 peak



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Test Mode: 11; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:Low

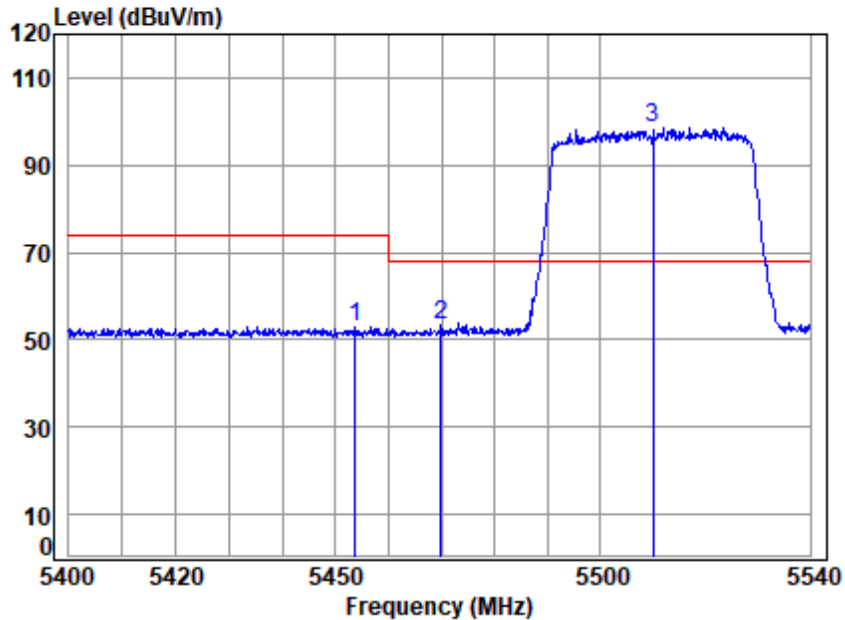


Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 00384AT/00385AT
 Mode : 5510 Band edge
 : 5G WIFI 11AX40

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 q 5424.797	7.76	34.65	35.17	32.98	40.22	54.00	-13.78	Average
2 5510.000	7.82	34.54	35.13	73.54	80.77	-----	-----	Average



Test Mode: 11; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:Low



Site : chamber
 Condition: 3m VERTICAL
 Job No : 00384AT/00385AT
 Mode : 5510 Band edge
 : 5G WIFI 11AX40

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5453.755	7.78	34.68	35.16	45.73	53.03	74.00	-20.97 Peak
2	5469.832	7.79	34.62	35.15	46.01	53.27	68.20	-14.93 peak
3 p	5510.000	7.82	34.54	35.13	91.26	98.49	68.20	30.29 Peak

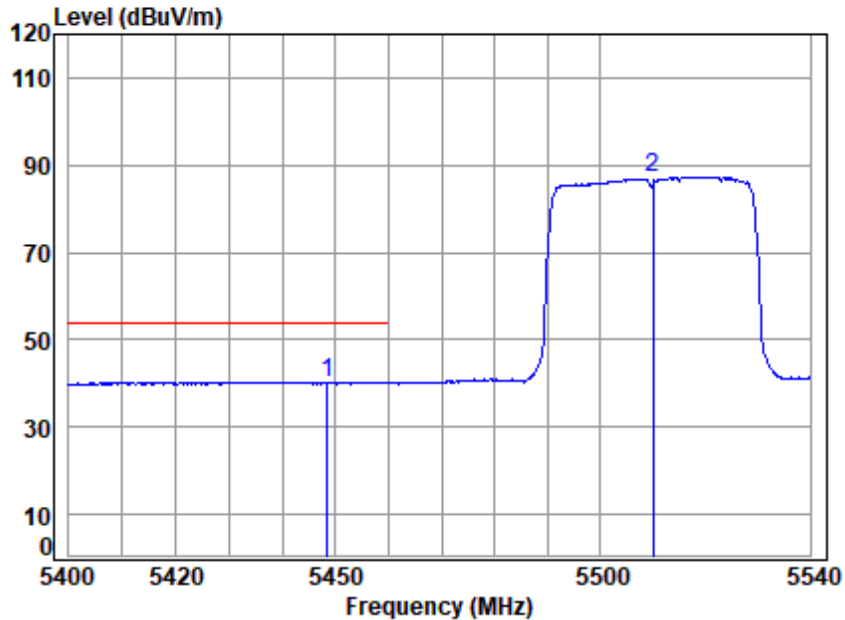


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Test Mode: 11; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:Low



Site : chamber
 Condition: 3m VERTICAL
 Job No : 00384AT/00385AT
 Mode : 5510 Band edge
 : 5G WIFI 11AX40

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 q 5448.454	7.78	34.70	35.16	33.05	40.37	54.00	-13.63	Average
2 5510.000	7.82	34.54	35.13	80.12	87.35	-----	-----	Average

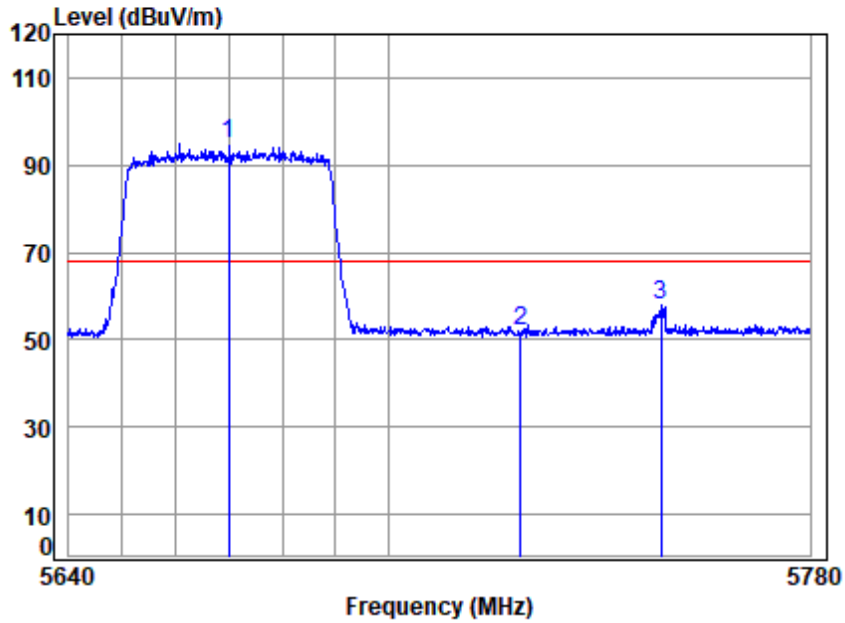


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Test Mode: 11; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:High



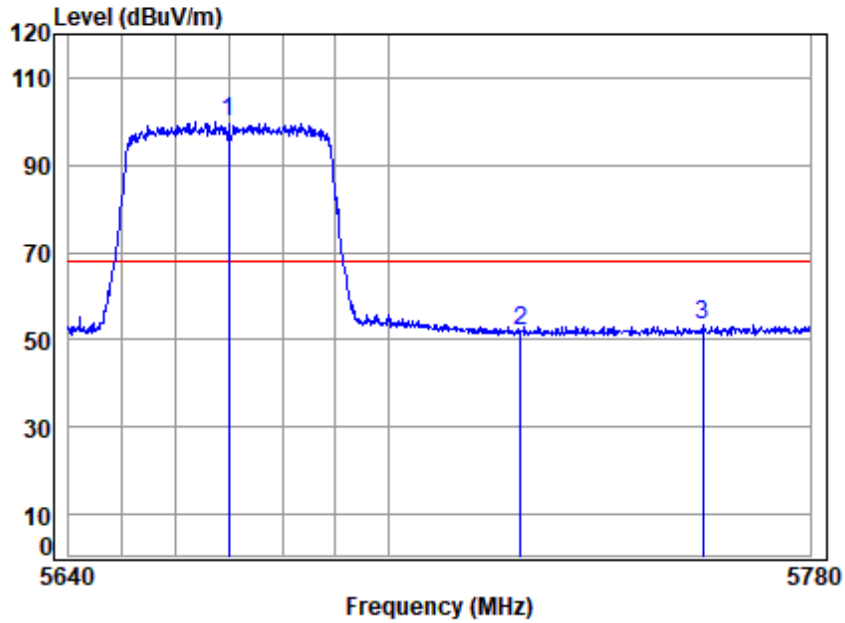
Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 00384AT/00385AT
 Mode : 5670 Band edge
 : 5G WIFI 11AX40

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 p 5670.000	7.94	34.36	35.05	87.58	94.83	68.20	26.63	peak
2 5725.000	7.98	34.25	35.03	44.81	52.01	68.20	-16.19	peak
3 5751.583	8.00	34.20	35.01	50.56	57.75	68.20	-10.45	peak



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Test Mode: 11; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:High



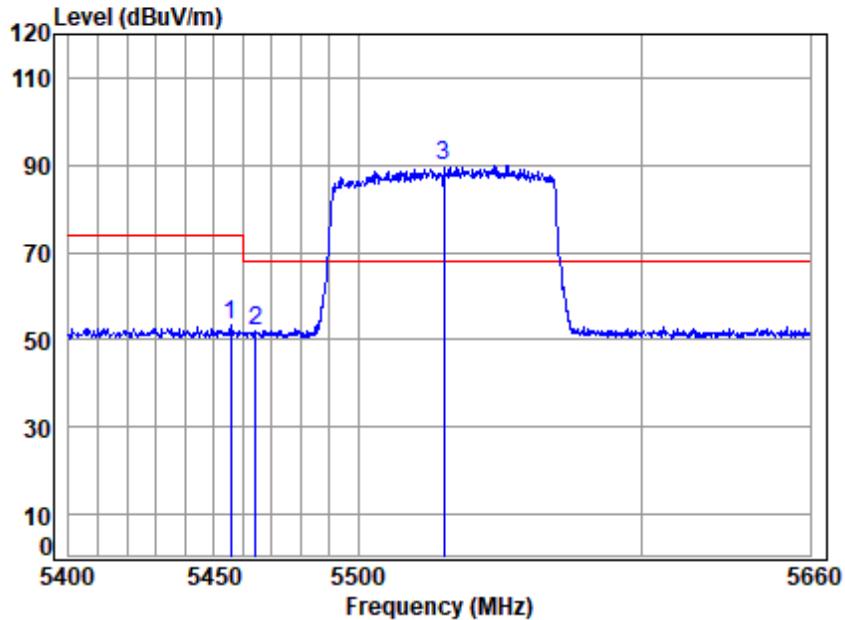
Site : chamber
 Condition: 3m VERTICAL
 Job No : 00384AT/00385AT
 Mode : 5670 Band edge
 : 5G WIFI 11AX40

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 p 5670.000	7.94	34.36	35.05	92.88	100.13	68.20	31.93 Peak
2 5725.000	7.98	34.25	35.03	44.97	52.17	68.20	-16.03 Peak
3 5759.487	8.00	34.22	35.01	46.00	53.21	68.20	-14.99 Peak



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Test Mode: 11; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:80MHz; Channel:Low

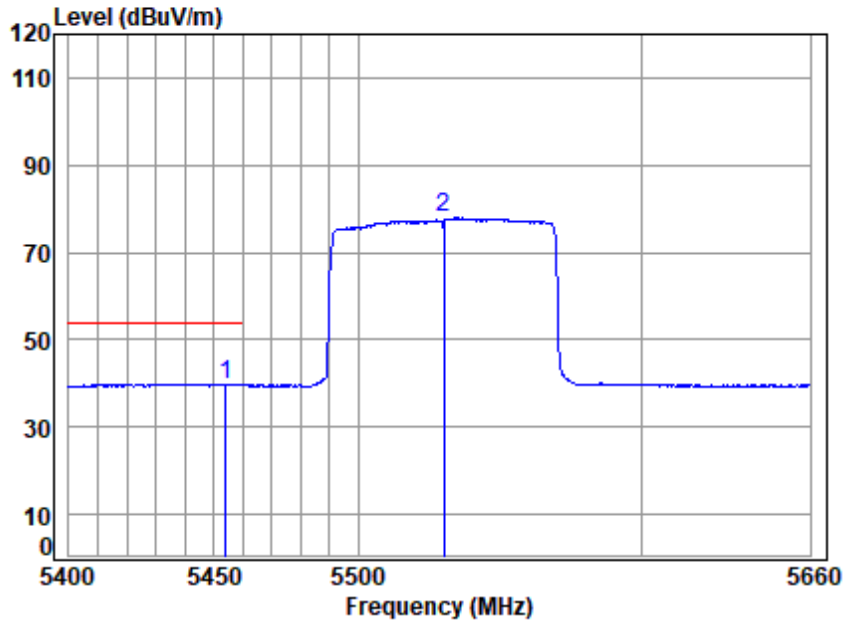


Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 00384AT/00385AT
 Mode : 5530 Band edge
 : 5G WIFI 11AX80

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5455.643	7.78	34.68	35.16	46.25	53.55	74.00	-20.45 peak
2	5464.372	7.79	34.64	35.15	44.75	52.03	68.20	-16.17 peak
3 p	5530.000	7.84	34.62	35.12	82.71	90.05	68.20	21.85 peak



Test Mode: 11; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:80MHz; Channel:Low



Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 00384AT/00385AT
 Mode : 5530 Band edge
 : 5G WIFI 11AX80

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 q 5454.104	7.78	34.68	35.16	32.44	39.74	54.00	-14.26	Average
2 5530.000	7.84	34.62	35.12	70.51	77.85	-----	-----	Average

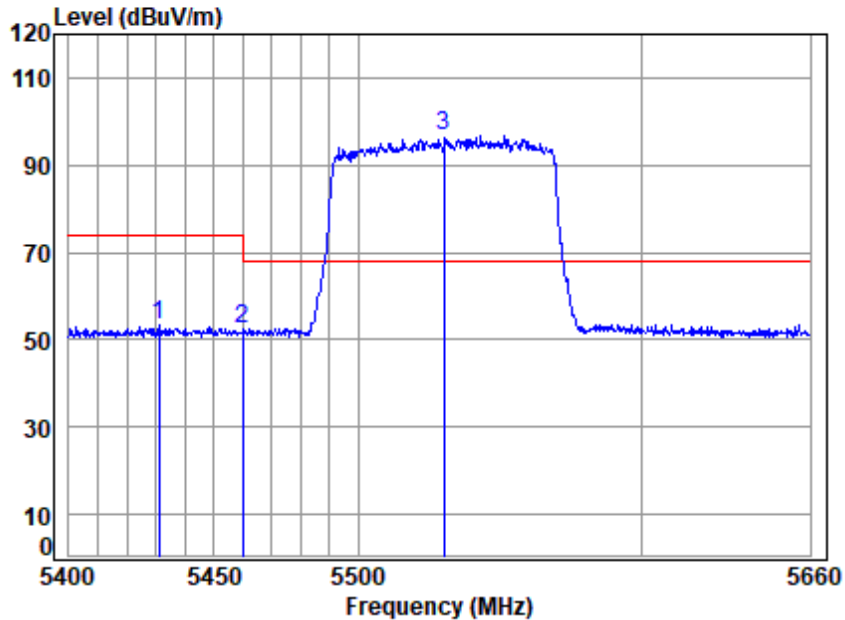


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Test Mode: 11; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:80MHz; Channel:Low

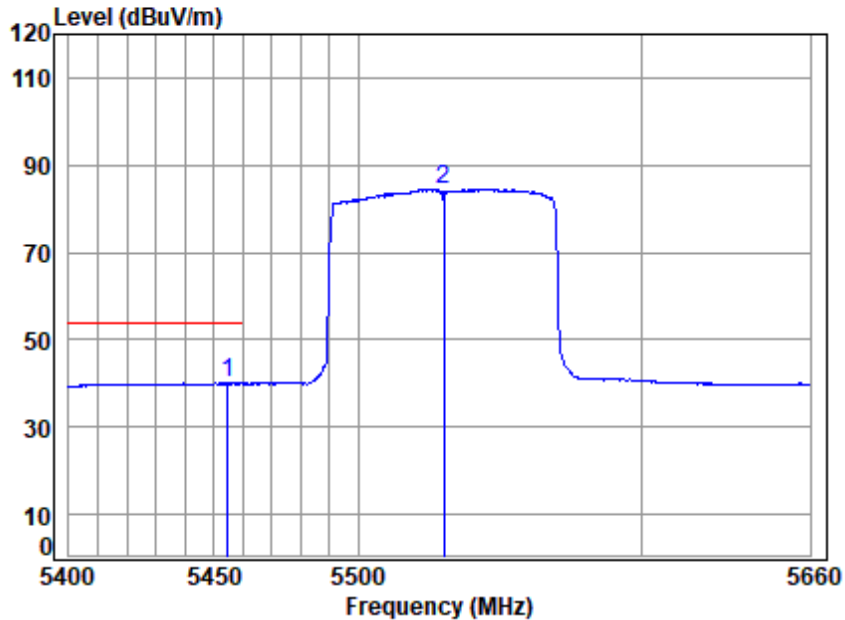


Site : chamber
 Condition: 3m VERTICAL
 Job No : 00384AT/00385AT
 Mode : 5530 Band edge
 : 5G WIFI 11AX80

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5431.069	7.77	34.66	35.17	45.90	53.16	74.00	-20.84 Peak
2	5460.005	7.79	34.66	35.15	45.05	52.35	68.20	-15.85 peak
3 p	5530.000	7.84	34.62	35.12	89.51	96.85	68.20	28.65 Peak



Test Mode: 11; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:80MHz; Channel:Low



Site : chamber
 Condition: 3m VERTICAL
 Job No : 00384AT/00385AT
 Mode : 5530 Band edge
 : 5G WIFI 11AX80

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 q 5454.873	7.78	34.68	35.16	32.86	40.16	54.00	-13.84	Average
2 5530.000	7.84	34.62	35.12	77.24	84.58	-----	-----	Average

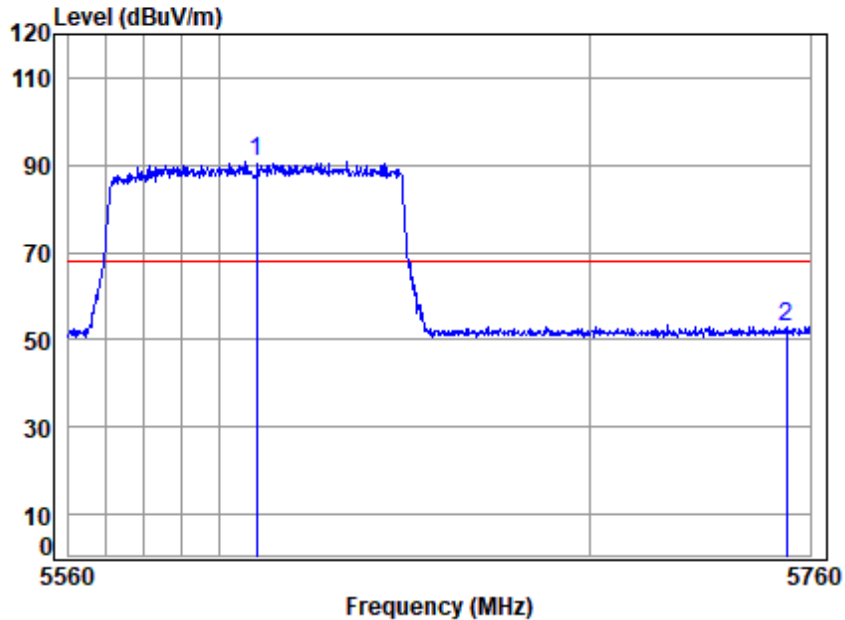


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Test Mode: 11; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:80MHz; Channel:High



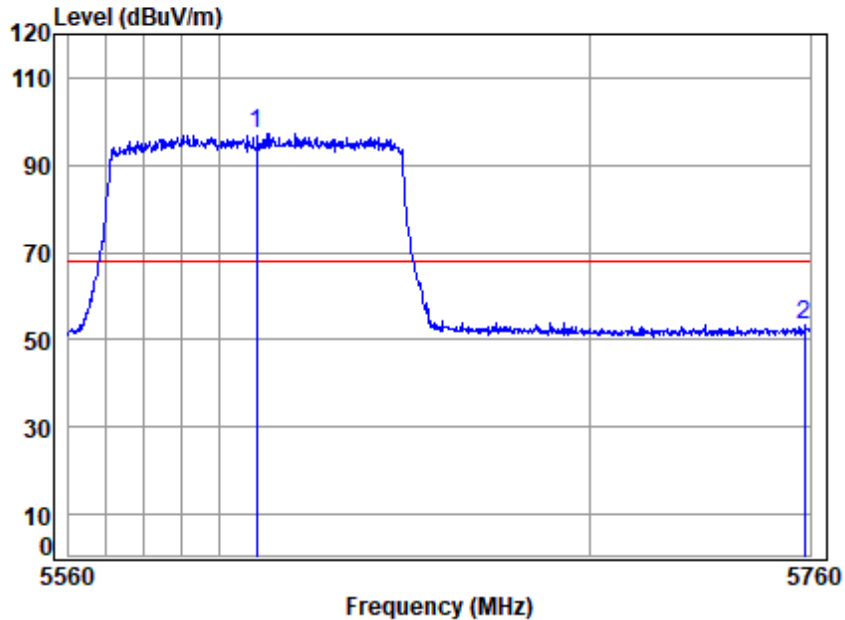
Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 00384AT/00385AT
 Mode : 5610 Band edge
 : 5G WIFI 11AX80

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 p 5610.000	7.90	34.64	35.08	83.40	90.86	68.20	22.66 peak
2 5753.490	8.00	34.21	35.01	45.79	52.99	68.20	-15.21 peak



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Test Mode: 11; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:80MHz; Channel:High



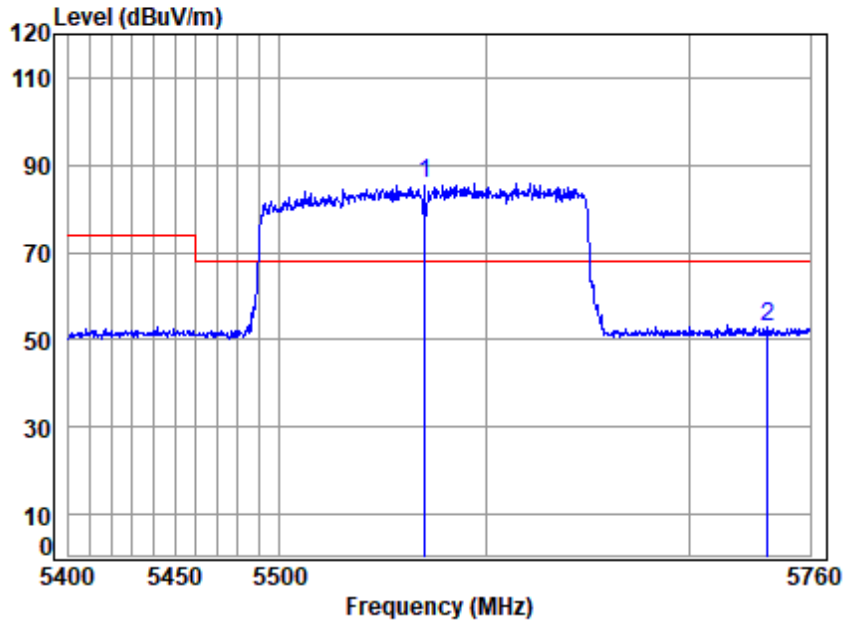
Site : chamber
 Condition: 3m VERTICAL
 Job No : 00384AT/00385AT
 Mode : 5610 Band edge
 : 5G WIFI 11AX80

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 p 5610.000	7.90	34.64	35.08	89.74	97.20	68.20	29.00 Peak
2 5758.575	8.00	34.22	35.01	45.99	53.20	68.20	-15.00 Peak



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Test Mode: 11; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:160MHz; Channel:middle



Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 00384AT/00385AT
 Mode : 5570 Band edge
 : 5G WIFI 11AX160

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 p 5570.000	7.87	34.70	35.10	78.37	85.84	68.20	17.64 peak
2 5738.850	7.99	34.22	35.02	45.69	52.88	68.20	-15.32 peak

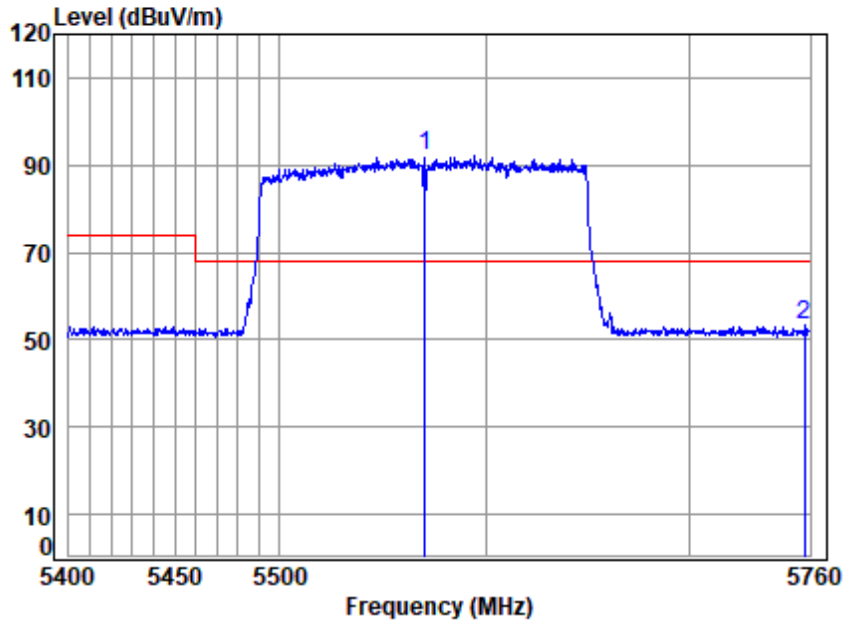


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Test Mode: 11; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:160MHz; Channel:middle



Site : chamber
 Condition: 3m VERTICAL
 Job No : 00384AT/00385AT
 Mode : 5570 Band edge
 : 5G WIFI 11AX160

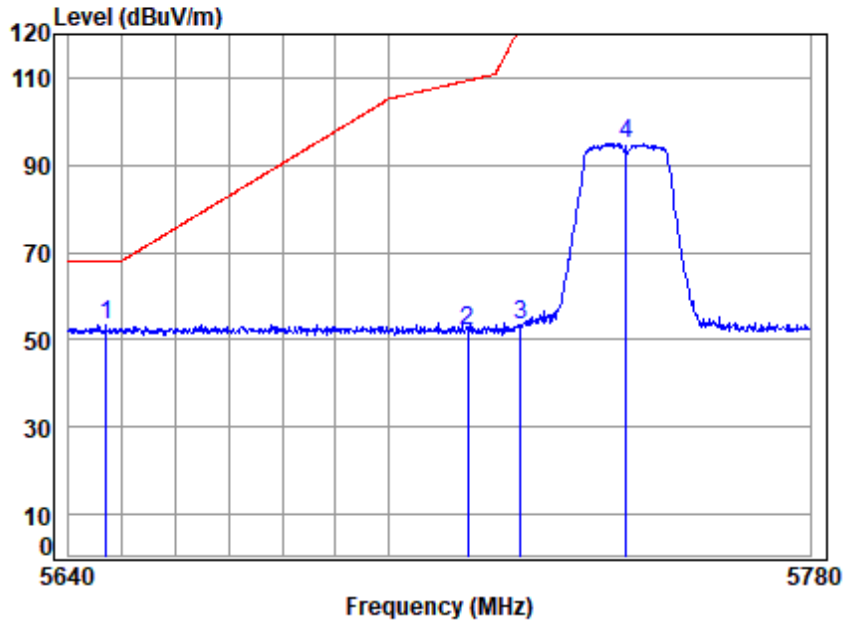
	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 p 5570.000	7.87	34.70	35.10	84.62	92.09	68.20	23.89 Peak
2 5757.027	8.00	34.21	35.01	46.01	53.21	68.20	-14.99 Peak



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Test Mode: 12; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



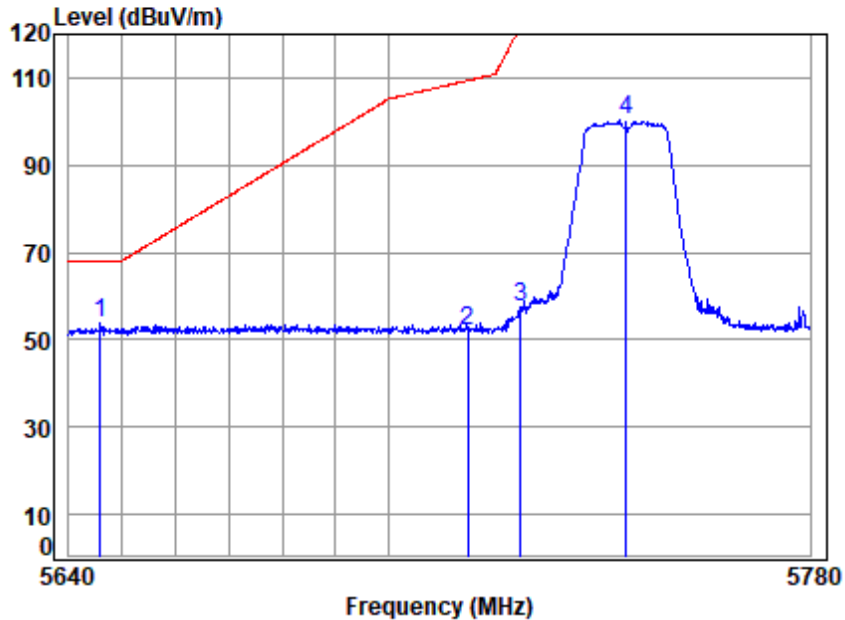
Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 00384AT/00385AT
 Mode : 5745 Band edge
 : 5G WIFI 11A

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 p 5646.919	7.92	34.42	35.06	46.00	53.28	68.20	-14.92	peak
2 5715.000	7.97	34.27	35.03	45.02	52.23	109.40	-57.17	peak
3 5725.000	7.98	34.25	35.03	46.23	53.43	122.20	-68.77	peak
4 5745.000	7.99	34.21	35.02	87.89	95.07	-----	-----	peak



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Test Mode: 12; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Site : chamber
 Condition: 3m VERTICAL
 Job No : 00384AT/00385AT
 Mode : 5745 Band edge
 : 5G WIFI 11A

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 p 5645.811	7.92	34.43	35.06	46.65	53.94	68.20	-14.26	peak
2 5715.000	7.97	34.27	35.03	44.61	51.82	109.40	-57.58	peak
3 5725.000	7.98	34.25	35.03	50.29	57.49	122.20	-64.71	peak
4 5745.000	7.99	34.21	35.02	93.00	100.18	-----	-----	peak

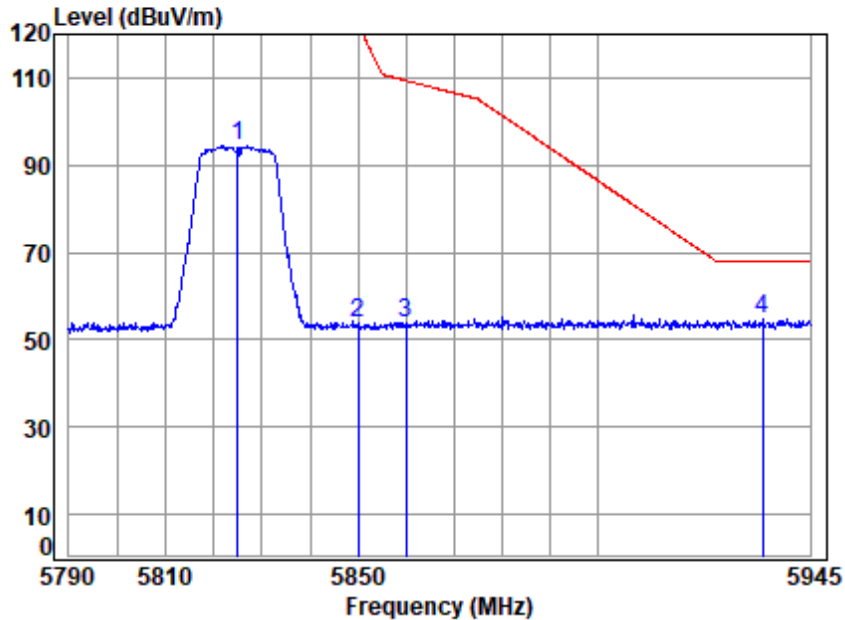


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Test Mode: 12; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 00384AT/00385AT
 Mode : 5825 Band edge
 : 5G WIFI 11A

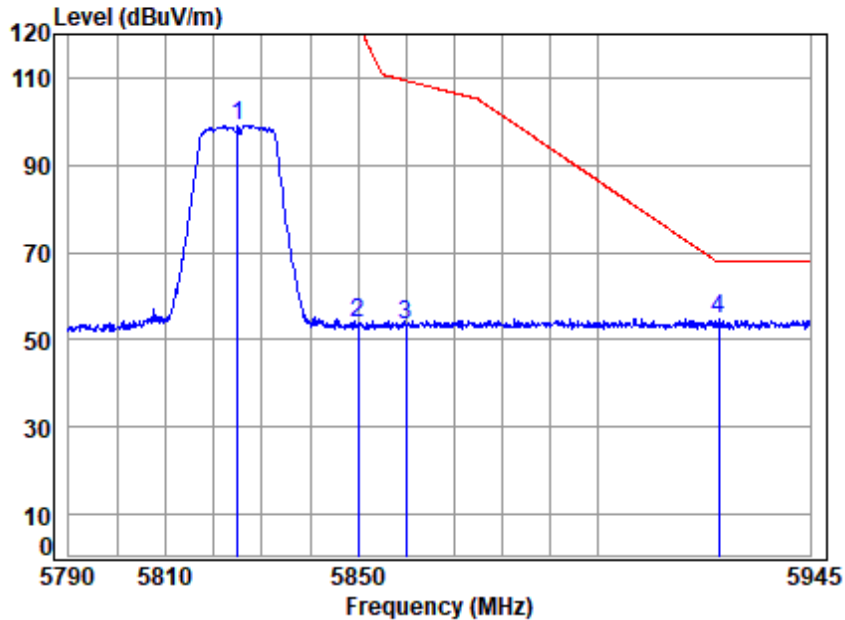
	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5825.000	8.05	34.35	34.98	86.97	94.39	-----	----- peak
2	5850.000	8.07	34.40	34.97	46.55	54.05	122.20	-68.15 peak
3	5860.000	8.07	34.44	34.96	46.37	53.92	109.40	-55.48 peak
4 p	5934.957	8.13	34.67	34.93	46.82	54.69	68.20	-13.51 peak



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Test Mode: 12; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Site : chamber
 Condition: 3m VERTICAL
 Job No : 00384AT/00385AT
 Mode : 5825 Band edge
 : 5G WIFI 11A

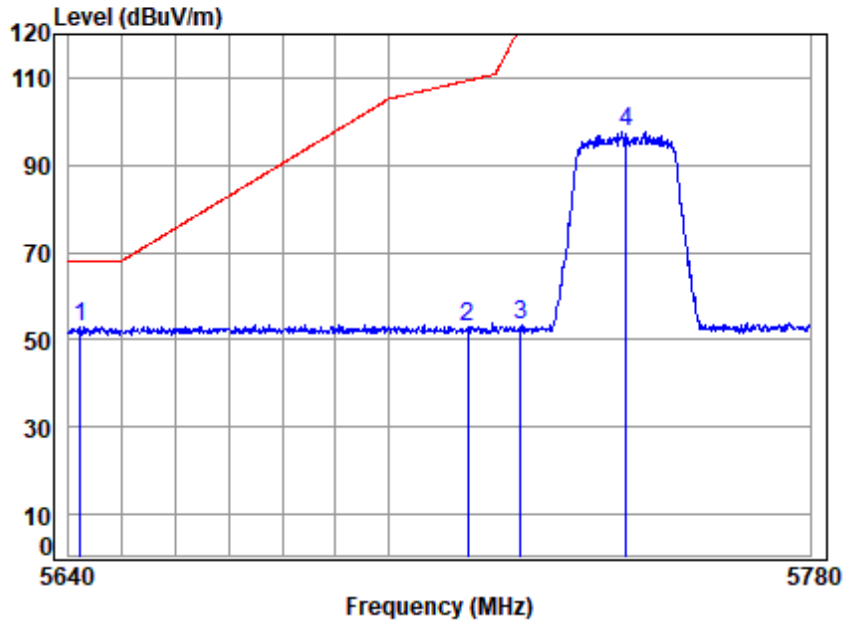
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5825.000	8.05	34.35	34.98	91.61	99.03	-----	-----	peak
2	5850.000	8.07	34.40	34.97	46.25	53.75	122.20	-68.45	peak
3	5860.000	8.07	34.44	34.96	45.93	53.48	109.40	-55.92	peak
4 p	5925.713	8.12	34.65	34.93	46.99	54.83	68.20	-13.37	peak



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Test Mode: 12; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:Low



Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 00384AT/00385AT
 Mode : 5745 Band edge
 : 5G WIFI 11AX20

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 p 5642.075	7.92	34.45	35.07	45.49	52.79	68.20	-15.41	peak
2 5715.000	7.97	34.27	35.03	45.56	52.77	109.40	-56.63	peak
3 5725.000	7.98	34.25	35.03	46.30	53.50	122.20	-68.70	peak
4 5745.000	7.99	34.21	35.02	90.68	97.86	-----	-----	peak

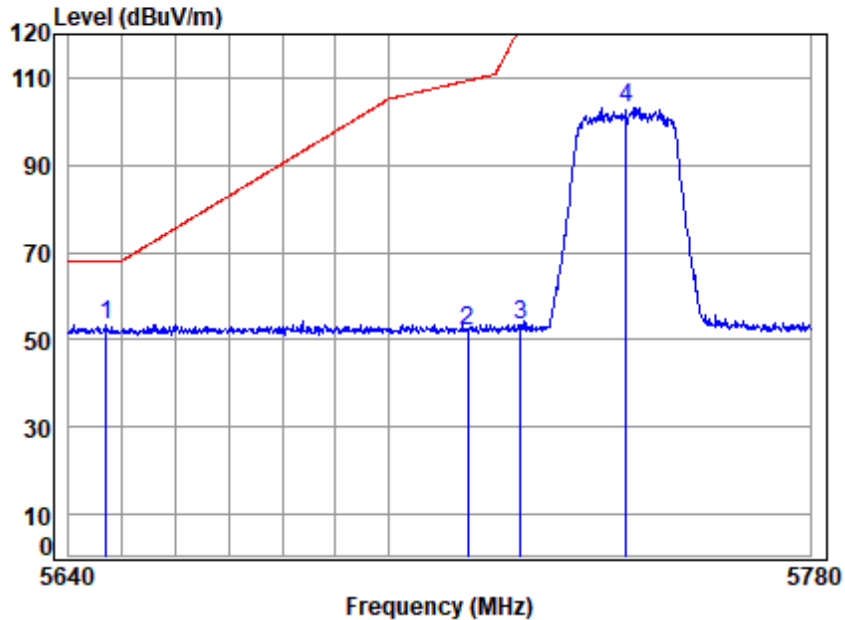


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Test Mode: 12; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:Low



Site : chamber
 Condition: 3m VERTICAL
 Job No : 00384AT/00385AT
 Mode : 5745 Band edge
 : 5G WIFI 11AX20

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 p 5647.057	7.92	34.42	35.06	46.16	53.44	68.20	-14.76	peak
2 5715.000	7.97	34.27	35.03	44.78	51.99	109.40	-57.41	peak
3 5725.000	7.98	34.25	35.03	46.09	53.29	122.20	-68.91	peak
4 5745.000	7.99	34.21	35.02	95.99	103.17	-----	-----	peak

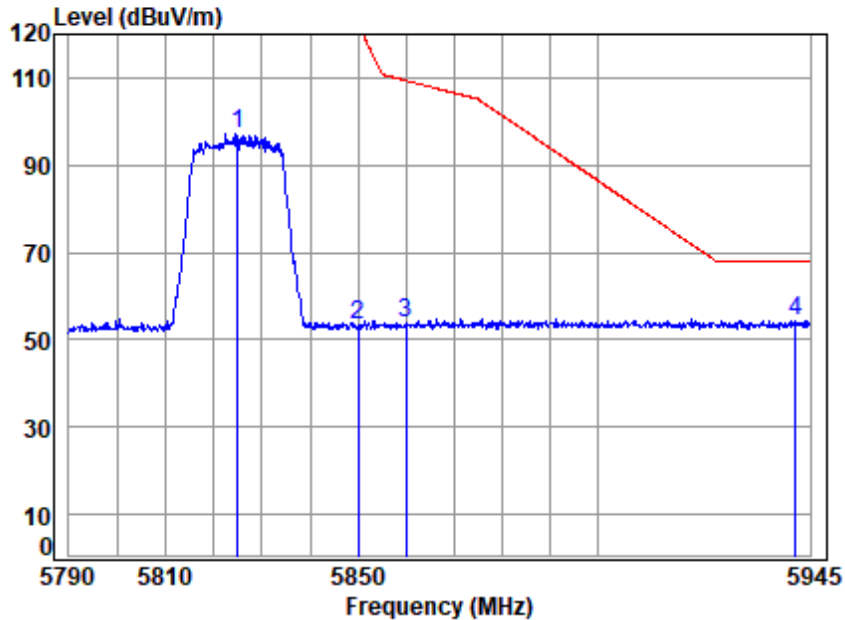


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Test Mode: 12; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:High



Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 00384AT/00385AT
 Mode : 5825 Band edge
 : 5G WIFI 11AX20

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5825.000	8.05	34.35	34.98	89.98	97.40	-----	----- peak
2	5850.000	8.07	34.40	34.97	46.00	53.50	122.20	-68.70 peak
3	5860.000	8.07	34.44	34.96	46.31	53.86	109.40	-55.54 peak
4 p	5941.860	8.13	34.68	34.93	46.39	54.27	68.20	-13.93 peak

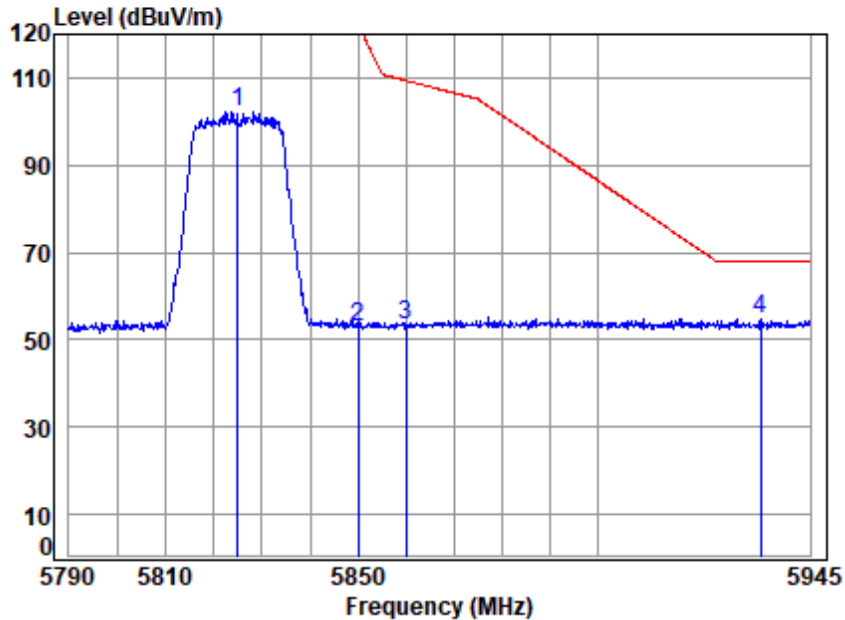


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Test Mode: 12; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:High



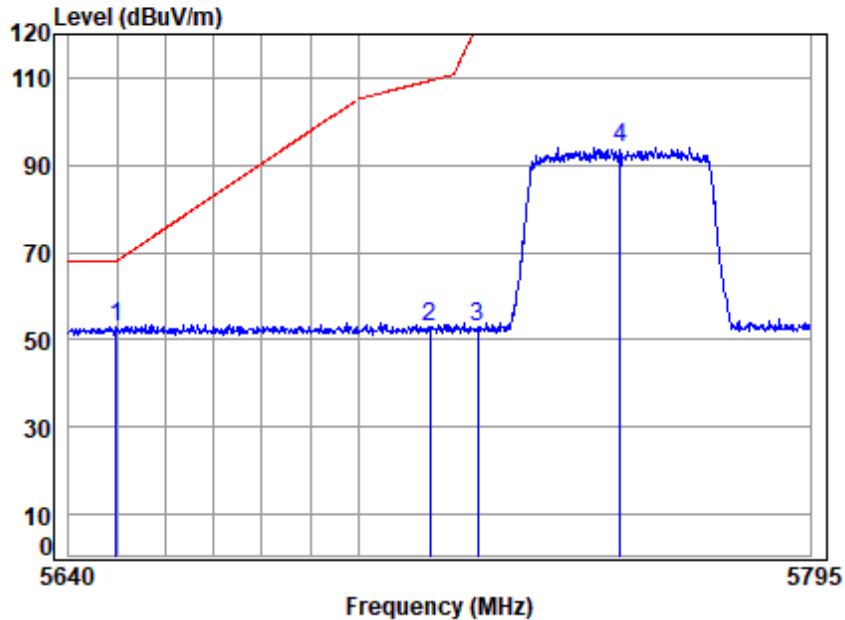
Site : chamber
 Condition: 3m VERTICAL
 Job No : 00384AT/00385AT
 Mode : 5825 Band edge
 : 5G WIFI 11AX20

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5825.000	8.05	34.35	34.98	94.99	102.41	-----	----- peak
2	5850.000	8.07	34.40	34.97	45.62	53.12	122.20	-69.08 peak
3	5860.000	8.07	34.44	34.96	46.06	53.61	109.40	-55.79 peak
4 p	5934.643	8.13	34.67	34.93	46.84	54.71	68.20	-13.49 peak



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Test Mode: 12; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:Low



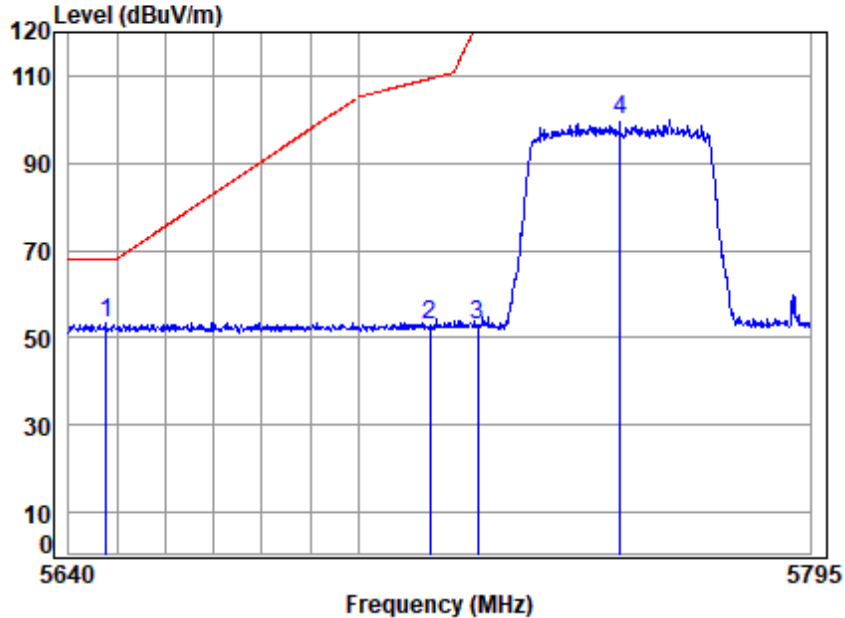
Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 00384AT/00385AT
 Mode : 5755 Band edge
 : 5G WIFI 11AX40

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 p 5649.794	7.93	34.40	35.06	45.65	52.92	68.20	-15.28	peak
2 5715.000	7.97	34.27	35.03	45.50	52.71	109.40	-56.69	peak
3 5725.000	7.98	34.25	35.03	45.78	52.98	122.20	-69.22	peak
4 5755.000	8.00	34.21	35.01	86.91	94.11	-----	-----	peak



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Test Mode: 12; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:Low



Site : chamber
 Condition: 3m VERTICAL
 Job No : 00384AT/00385AT
 Mode : 5755 Band edge
 : 5G WIFI 11AX40

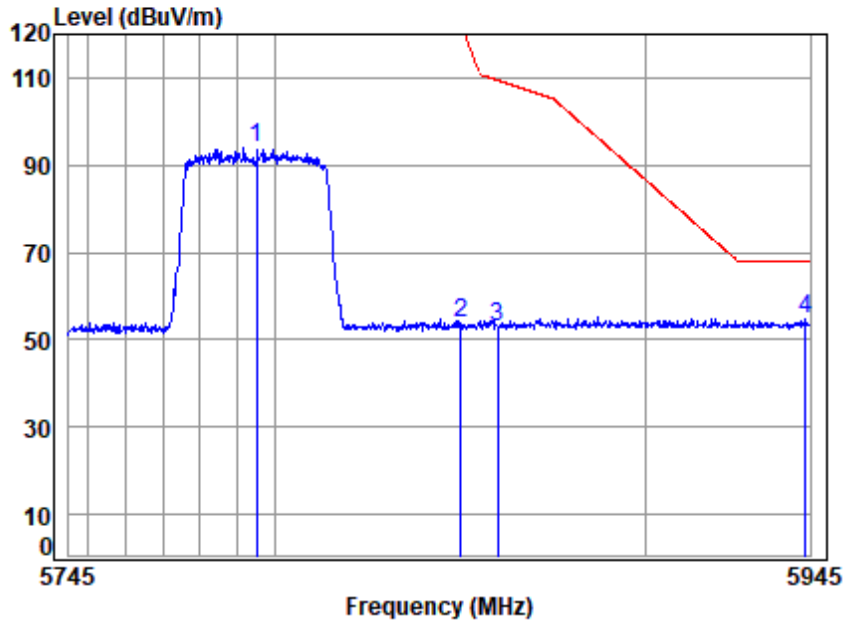
	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 p 5647.804	7.92	34.41	35.06	46.31	53.58	68.20	-14.62	peak
2 5715.000	7.97	34.27	35.03	45.88	53.09	109.40	-56.31	peak
3 5725.000	7.98	34.25	35.03	45.88	53.08	122.20	-69.12	peak
4 5755.000	8.00	34.21	35.01	92.57	99.77	-----	-----	peak



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Test Mode: 12; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:High



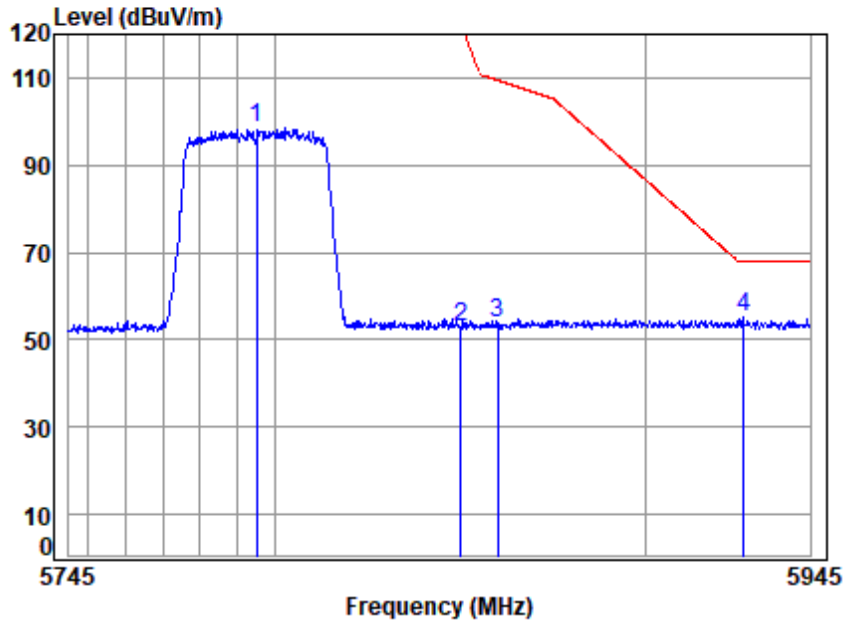
Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 00384AT/00385AT
 Mode : 5795 Band edge
 : 5G WIFI 11AX40

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5795.000	8.03	34.29	34.99	86.78	94.11	-----	----- peak
2	5850.000	8.07	34.40	34.97	46.29	53.79	122.20	-68.41 peak
3	5860.000	8.07	34.44	34.96	45.54	53.09	109.40	-56.31 peak
4 p	5943.779	8.13	34.69	34.93	46.67	54.56	68.20	-13.64 peak



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Test Mode: 12; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:High



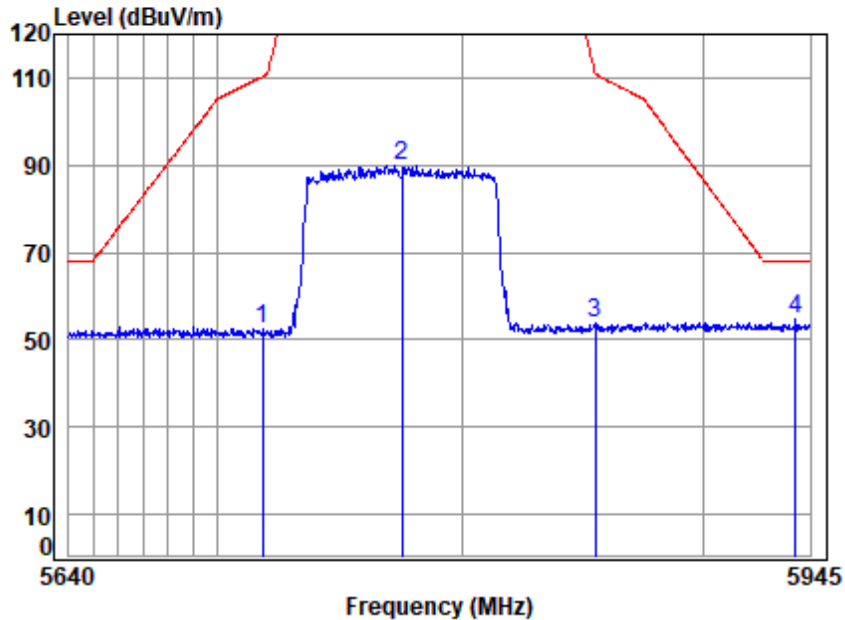
Site : chamber
 Condition: 3m VERTICAL
 Job No : 00384AT/00385AT
 Mode : 5795 Band edge
 : 5G WIFI 11AX40

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5795.000	8.03	34.29	34.99	91.09	98.42	-----	----- peak
2	5850.000	8.07	34.40	34.97	45.45	52.95	122.20	-69.25 peak
3	5860.000	8.07	34.44	34.96	46.48	54.03	109.40	-55.37 peak
4 p	5926.718	8.12	34.65	34.93	47.17	55.01	68.20	-13.19 peak



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Test Mode: 12; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:80MHz; Channel:middle



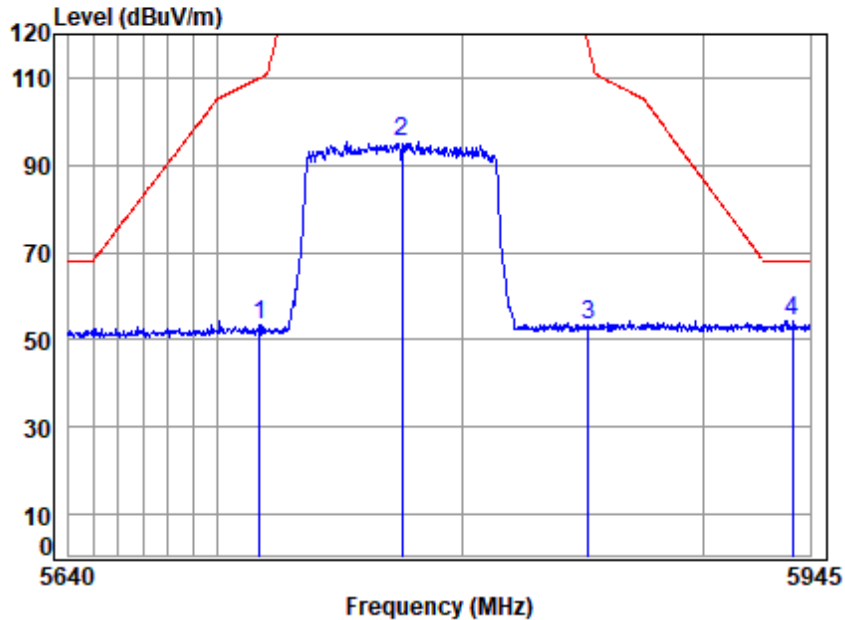
Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 00384AT/00385AT
 Mode : 5775 Band edge
 : 5G WIFI 11AX80

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	7.97	34.26	35.03	45.38	52.58	110.26	-57.68	peak
2	8.01	34.25	35.00	82.80	90.06	-----	-----	peak
3	8.07	34.42	34.97	46.41	53.93	111.05	-57.12	peak
4 p	8.13	34.68	34.93	46.89	54.77	68.20	-13.43	peak



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Test Mode: 12; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:80MHz; Channel:middle



Site : chamber
 Condition: 3m VERTICAL
 Job No : 00384AT/00385AT
 Mode : 5775 Band edge
 : 5G WIFI 11AX80

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	7.97	34.27	35.03	46.22	53.43	109.92	-56.49	peak
2	8.01	34.25	35.00	88.03	95.29	-----	-----	peak
3	8.07	34.41	34.97	46.09	53.60	117.37	-63.77	peak
4 p	8.13	34.68	34.93	46.36	54.24	68.20	-13.96	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 (2020) Section 6.8

7.11.1 E.U.T. Operation

Operating Environment:
 Temperature: 23.8 °C Humidity: 37.9 % RH Atmospheric Pressure: 1020 mbar

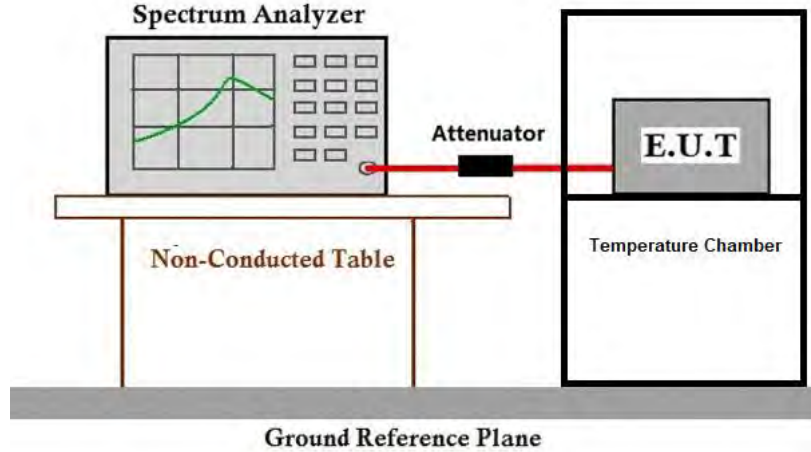
7.11.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	09	TX mode (U-NII-1)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40/80, Only the data of worst case is recorded in the report.
Final test	10	TX mode (U-NII-2A) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40/80/160, Only the data of worst case is recorded in the report.
Final test	11	TX mode (U-NII-2C) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40/80/160, Only the data of worst case is recorded in the report.
Final test	12	TX mode (U-NII-3) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40/80, Only the data of worst case is recorded in the report.



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7.11.3 Test Setup Diagram



7.11.4 Measurement Procedure and Data

Please Refer to Appendix for Details



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8 Test Setup Photo

Refer to Appendix A.2 WLAN Setup Photos.



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9 Appendix

1. Duty Cycle

1.1 Ant1

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	/	/	2.097	2.112	99.29	0.03	0.03
		5200	/	/	2.097	2.113	99.24	0.03	0.03
		5240	/	/	2.097	2.113	99.24	0.03	0.03
		5260	/	/	2.098	2.114	99.24	0.03	0.03
		5300	/	/	2.097	2.114	99.20	0.04	0.07
		5320	/	/	2.098	2.114	99.24	0.03	0.03
		5500	/	/	2.097	2.114	99.20	0.04	0.03
		5580	/	/	2.097	2.112	99.29	0.03	0.03
		5700	/	/	2.097	2.113	99.24	0.03	0.03
		5745	/	/	2.098	2.113	99.29	0.03	0.00
		5785	/	/	2.098	2.114	99.24	0.03	0.03
		5825	/	/	2.097	2.113	99.24	0.03	0.03
5720	/	/	2.097	2.113	99.24	0.03	0.03	0.00	
802.11n (HT20)	MIMO	5180	/	/	5.368	5.385	99.68	0.01	0.03
		5200	/	/	5.369	5.385	99.70	0.01	0.03
		5240	/	/	5.368	5.384	99.70	0.01	0.04
		5260	/	/	5.368	5.384	99.70	0.01	0.04
		5300	/	/	5.368	5.384	99.70	0.01	0.04
		5320	/	/	5.369	5.385	99.70	0.01	0.03
		5500	/	/	5.369	5.386	99.68	0.01	0.03
		5580	/	/	5.369	5.386	99.68	0.01	0.03
		5700	/	/	5.368	5.384	99.70	0.01	0.04
		5745	/	/	5.368	5.385	99.68	0.01	0.03
		5785	/	/	5.368	5.385	99.68	0.01	0.03
		5825	/	/	5.368	5.385	99.68	0.01	0.03
5720	/	/	5.369	5.386	99.68	0.01	0.03		



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802.11n (HT40)	MIMO	5190	/	/	5.392	5.408	99.70	0.01	0.04
		5230	/	/	5.392	5.408	99.70	0.01	0.04
		5270	/	/	5.392	5.408	99.70	0.01	0.04
		5310	/	/	5.393	5.410	99.69	0.01	0.03
		5510	/	/	5.392	5.409	99.69	0.01	0.03
		5550	/	/	5.393	5.410	99.69	0.01	0.03
		5670	/	/	5.392	5.408	99.70	0.01	0.04
		5755	/	/	5.393	5.410	99.69	0.01	0.03
		5795	/	/	5.393	5.410	99.69	0.01	0.03
		5710	/	/	5.393	5.408	99.72	0.01	0.00
802.11ac (VHT80)	MIMO	5210	/	/	3.122	3.136	99.55	0.02	0.00
		5290	/	/	3.120	3.136	99.49	0.02	0.03
		5530	/	/	3.120	3.136	99.49	0.02	0.03
		5610	/	/	3.120	3.136	99.49	0.02	0.03
		5775	/	/	3.122	3.136	99.55	0.02	0.00
		5690	/	/	3.121	3.136	99.52	0.02	0.00
802.11ac (VHT160)	MIMO	5570	/	/	2.205	2.220	99.32	0.03	0.04
		5250	/	/	2.205	2.220	99.32	0.03	0.04
802.11ax (HE20)	MIMO	5180	RU242	Left	5.428	5.446	99.67	0.01	0.07
		5200	RU242	Left	5.430	5.446	99.71	0.01	0.04
		5240	RU242	Left	5.428	5.444	99.71	0.01	0.04
		5260	RU242	Left	5.429	5.446	99.69	0.01	0.03
		5300	RU242	Left	5.430	5.445	99.72	0.01	0.00
		5320	RU242	Left	5.428	5.444	99.71	0.01	0.00
		5500	RU242	Left	5.428	5.444	99.71	0.01	0.04
		5580	RU242	Left	5.428	5.445	99.69	0.01	0.03
		5700	RU242	Left	5.429	5.445	99.71	0.01	0.03
		5745	RU242	Left	5.428	5.445	99.69	0.01	0.03
		5785	RU242	Left	5.430	5.446	99.71	0.01	0.04
		5825	RU242	Left	5.428	5.444	99.71	0.01	0.04
5720	RU242	Left	5.431	5.445	99.74	0.01	0.00		



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SZEMC-TRF-01 Rev. A/1

Report No.: SZCR240100038405

Page: 226 of 499

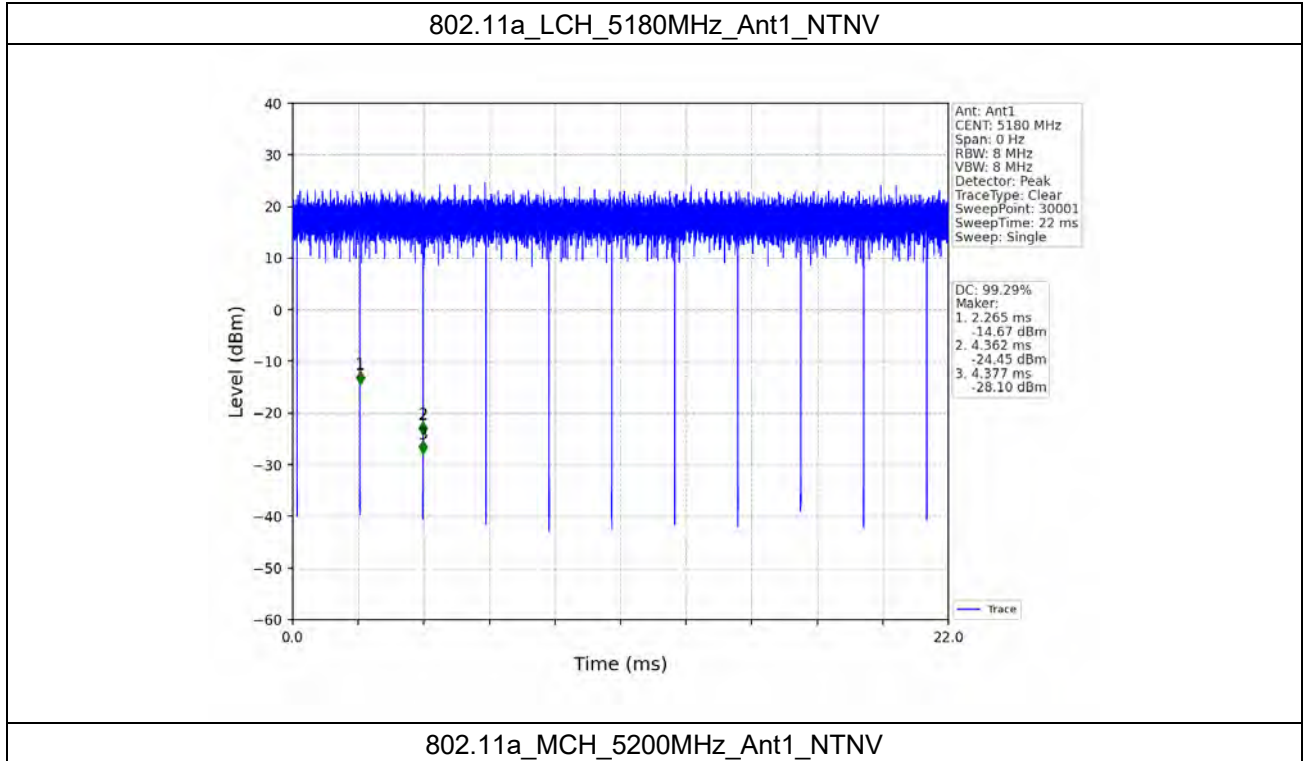
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		5230	RU484	Left	4.816	4.833	99.65	0.02	0.03
		5270	RU484	Left	4.816	4.833	99.65	0.02	0.04
		5310	RU484	Left	4.817	4.833	99.67	0.01	0.04
		5510	RU484	Left	4.817	4.834	99.65	0.02	0.03
		5550	RU484	Left	4.817	4.833	99.67	0.01	0.03
		5670	RU484	Left	4.817	4.834	99.65	0.02	0.03
		5755	RU484	Left	4.817	4.834	99.65	0.02	0.03
		5795	RU484	Left	4.817	4.832	99.69	0.01	0.00
		5710	RU484	Left	4.816	4.833	99.65	0.02	0.03
802.11ax (HE80)	MIMO	5210	RU996	Left	2.555	2.571	99.38	0.03	0.03
		5290	RU996	Left	2.555	2.571	99.38	0.03	0.03
		5530	RU996	Left	2.555	2.570	99.42	0.03	0.03
		5610	RU996	Left	2.555	2.570	99.42	0.03	0.03
		5775	RU996	Left	2.555	2.571	99.38	0.03	0.03
		5690	RU996	Left	2.555	2.571	99.38	0.03	0.03
802.11ax (HE160)	MIMO	5570	2xRU996	Left	2.207	2.222	99.32	0.03	0.04
		5250	2xRU996	Left	2.208	2.223	99.33	0.03	0.04



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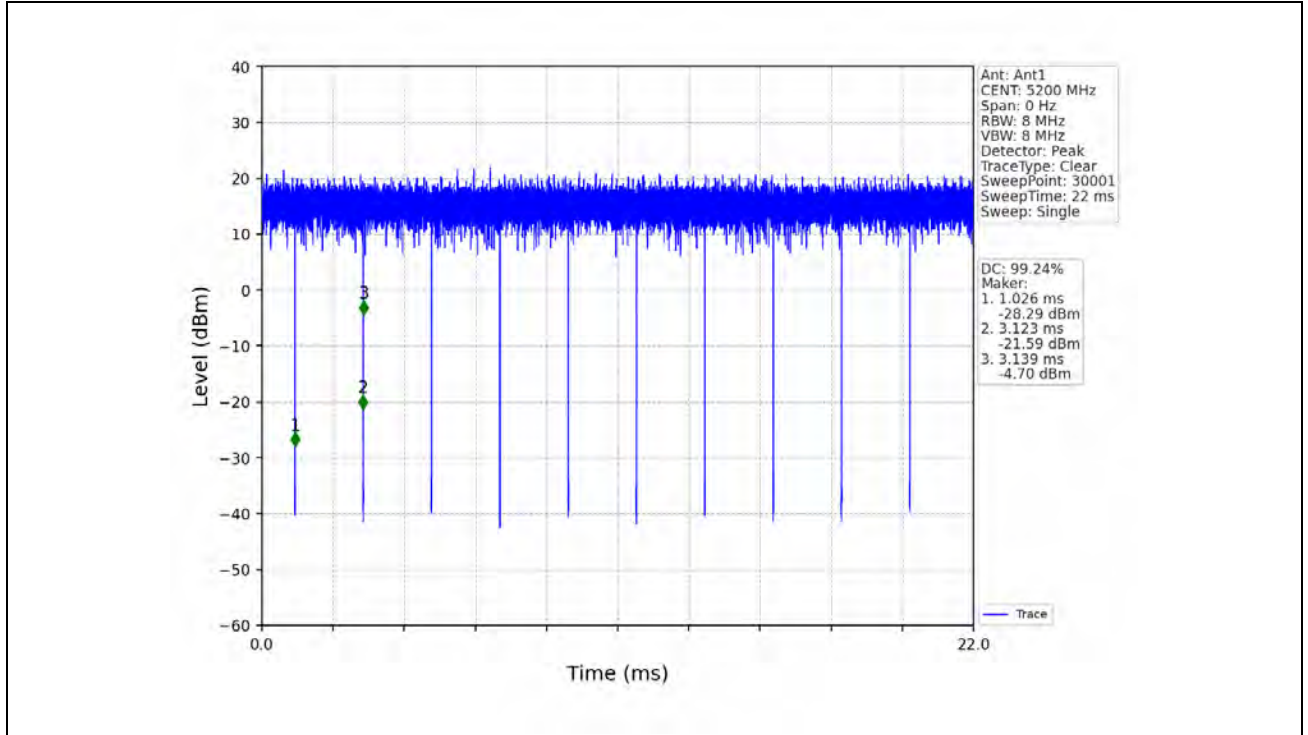
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1.1.2 Test Graph



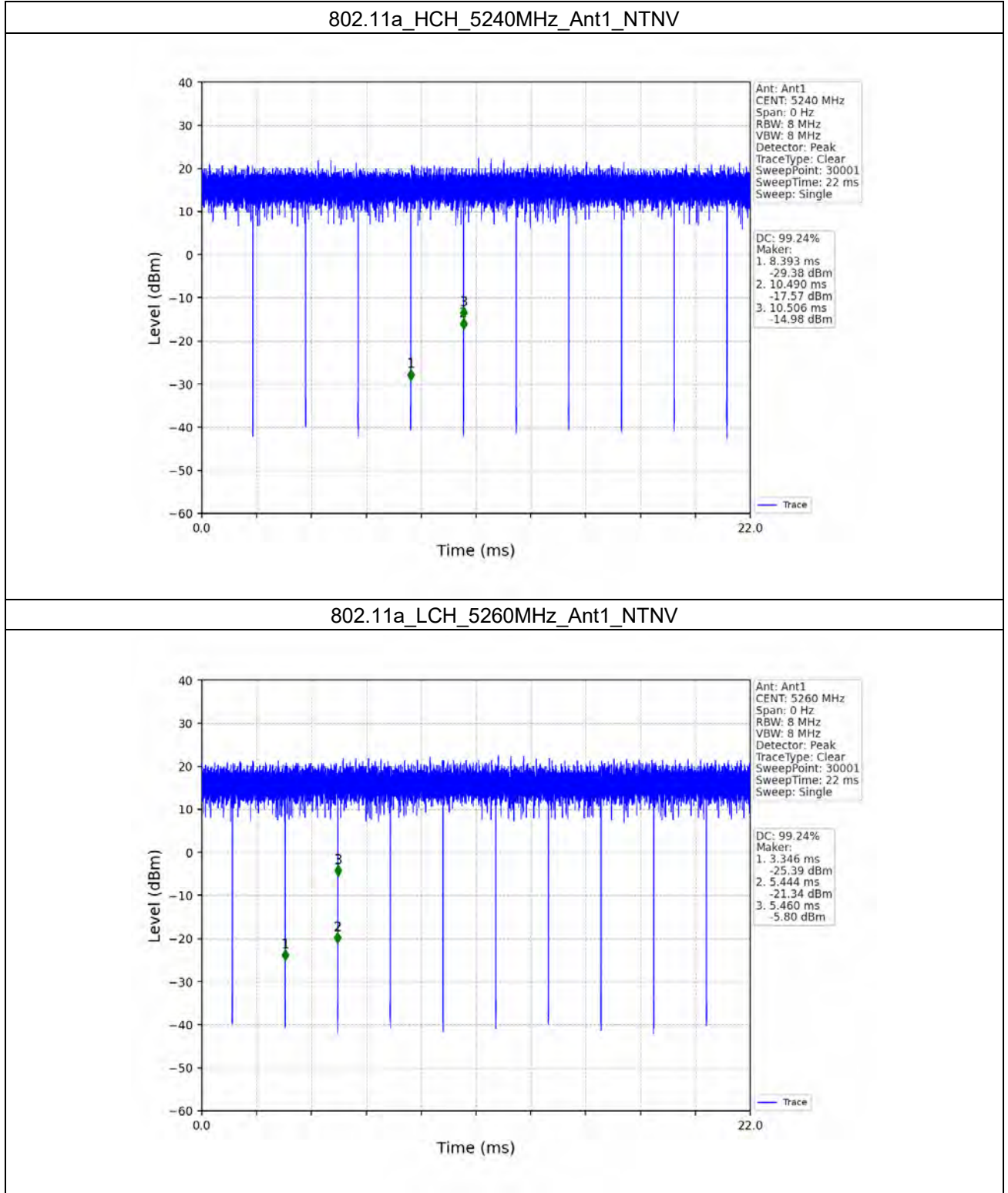
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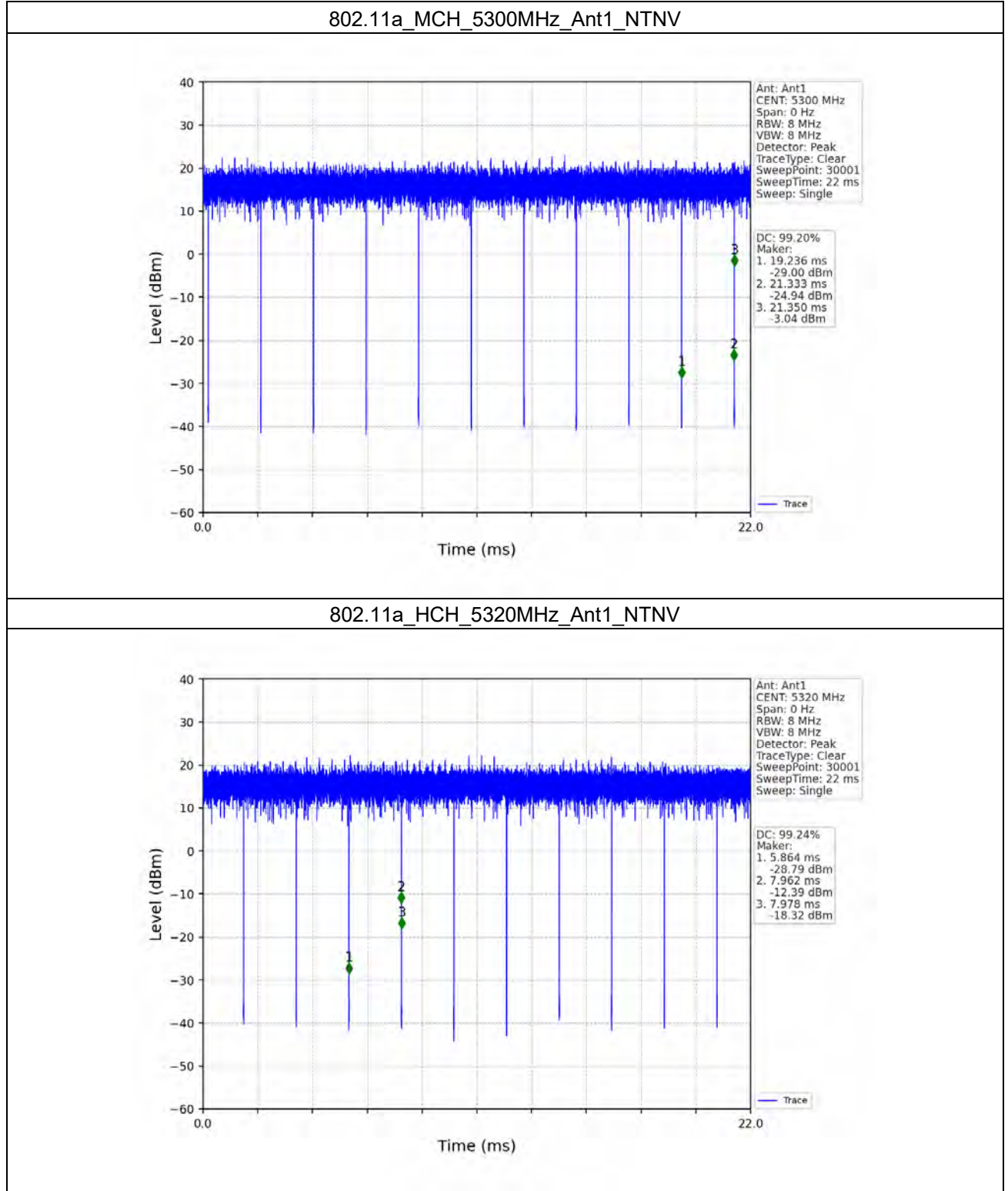


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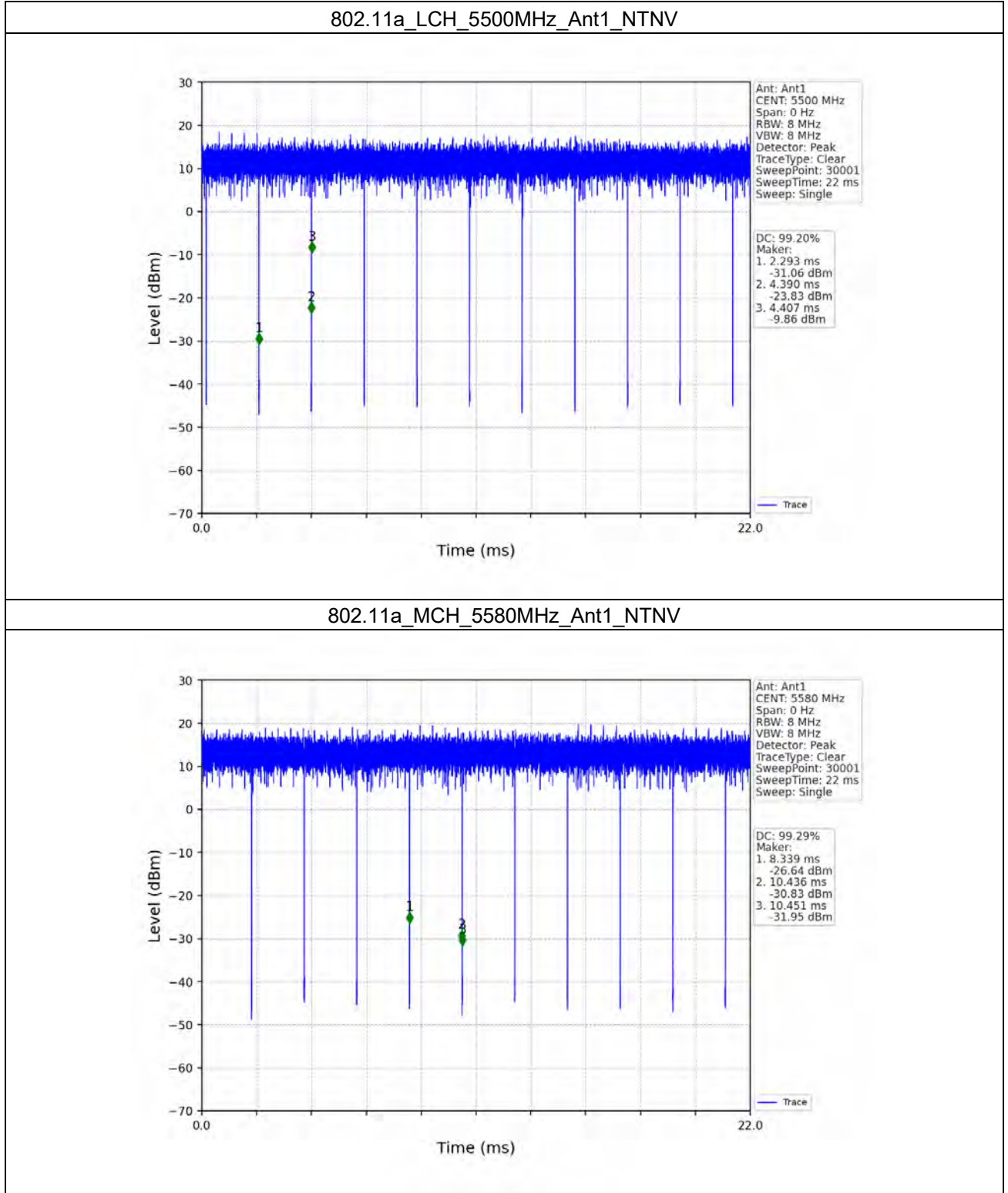
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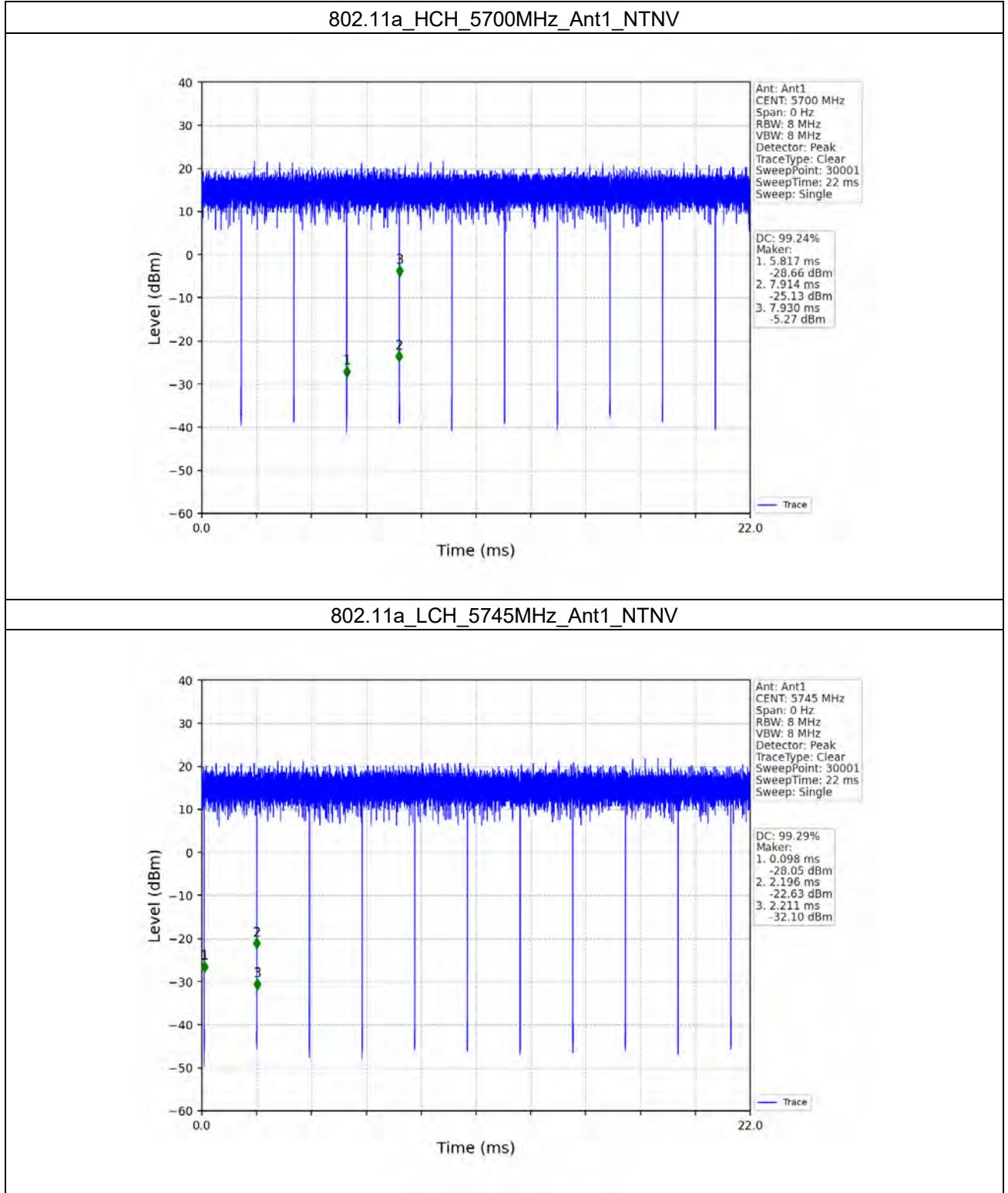
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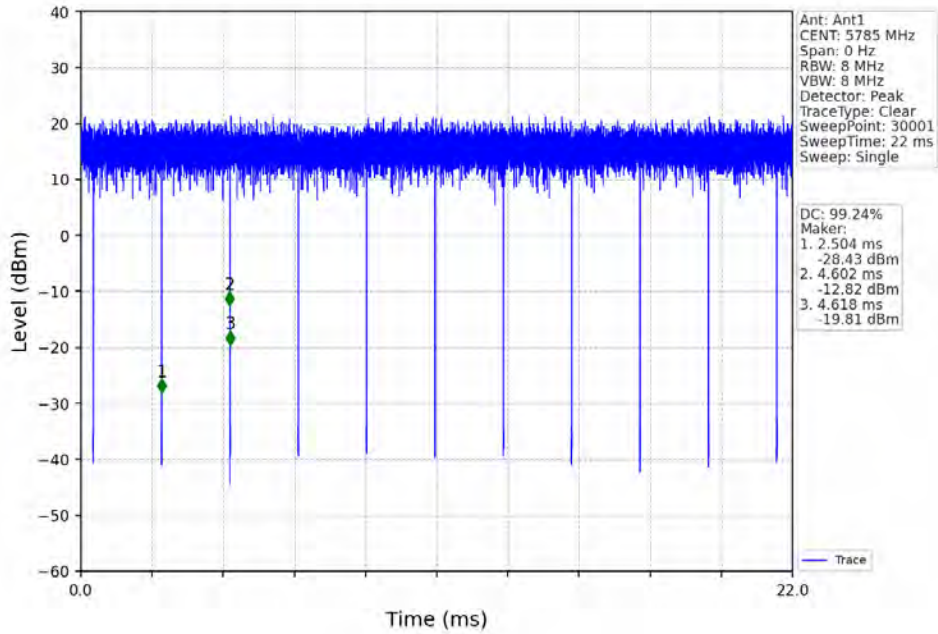


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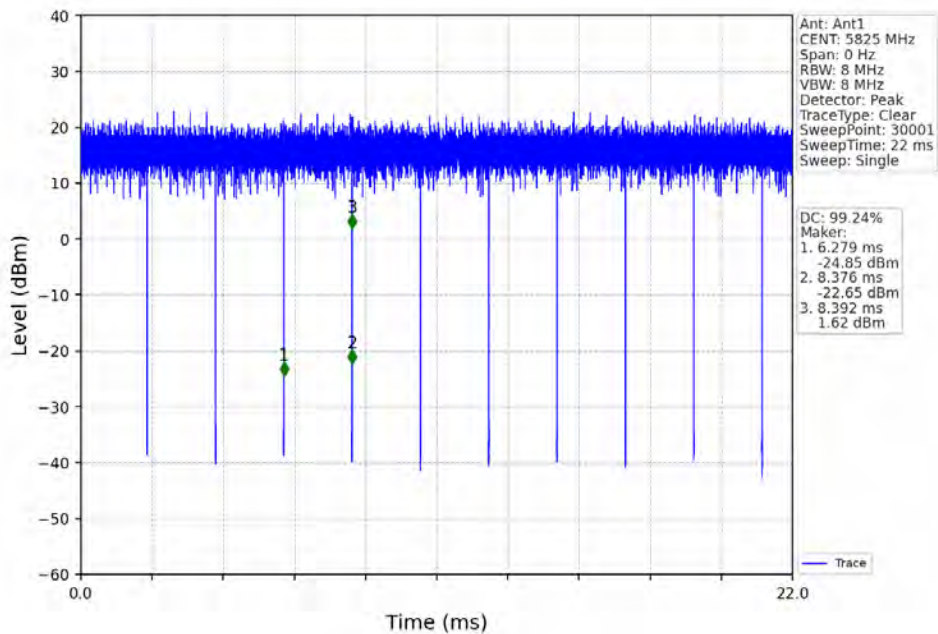


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802.11a_MCH_5785MHz_Ant1_NTNV



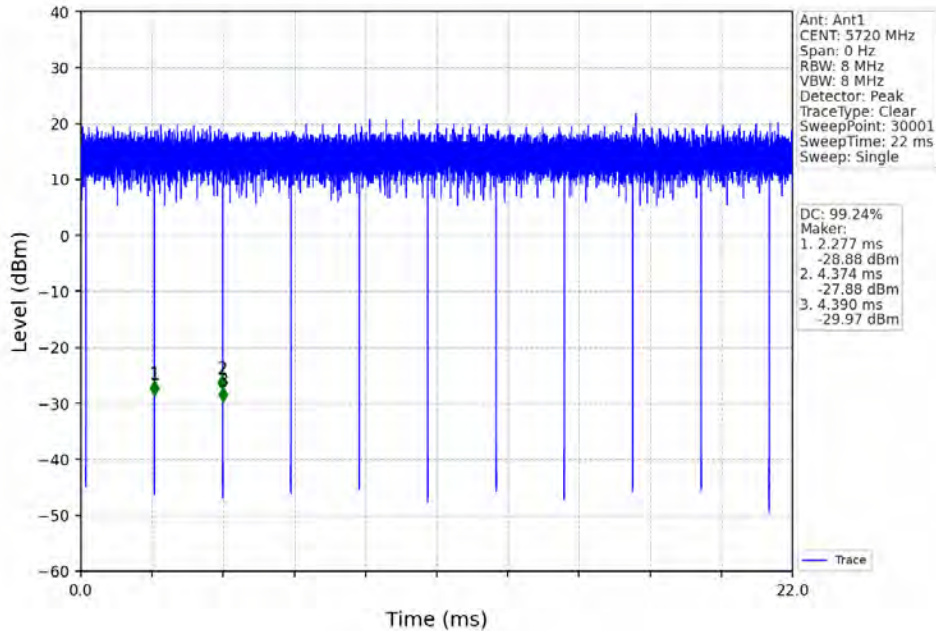
802.11a_HCH_5825MHz_Ant1_NTNV



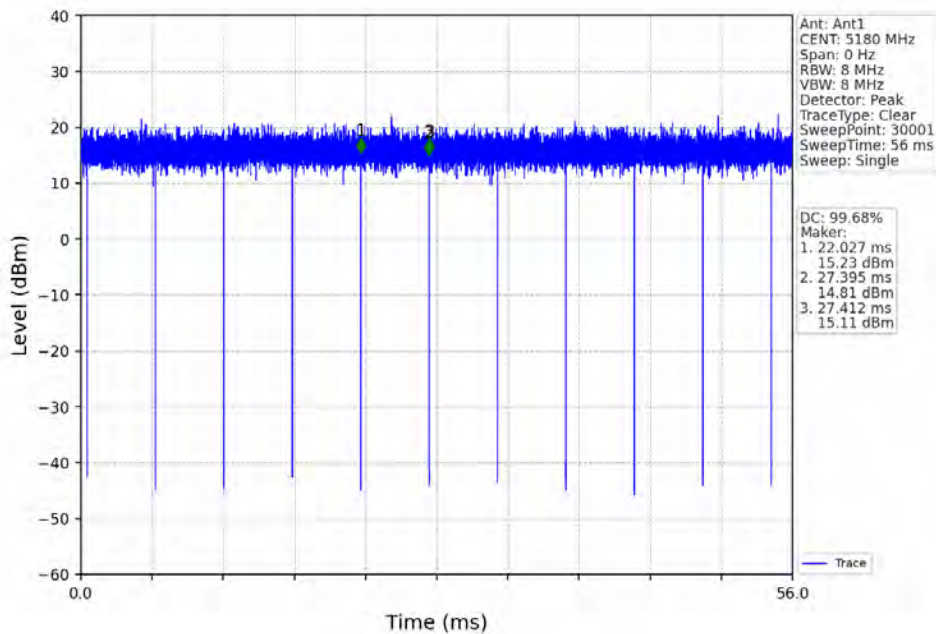
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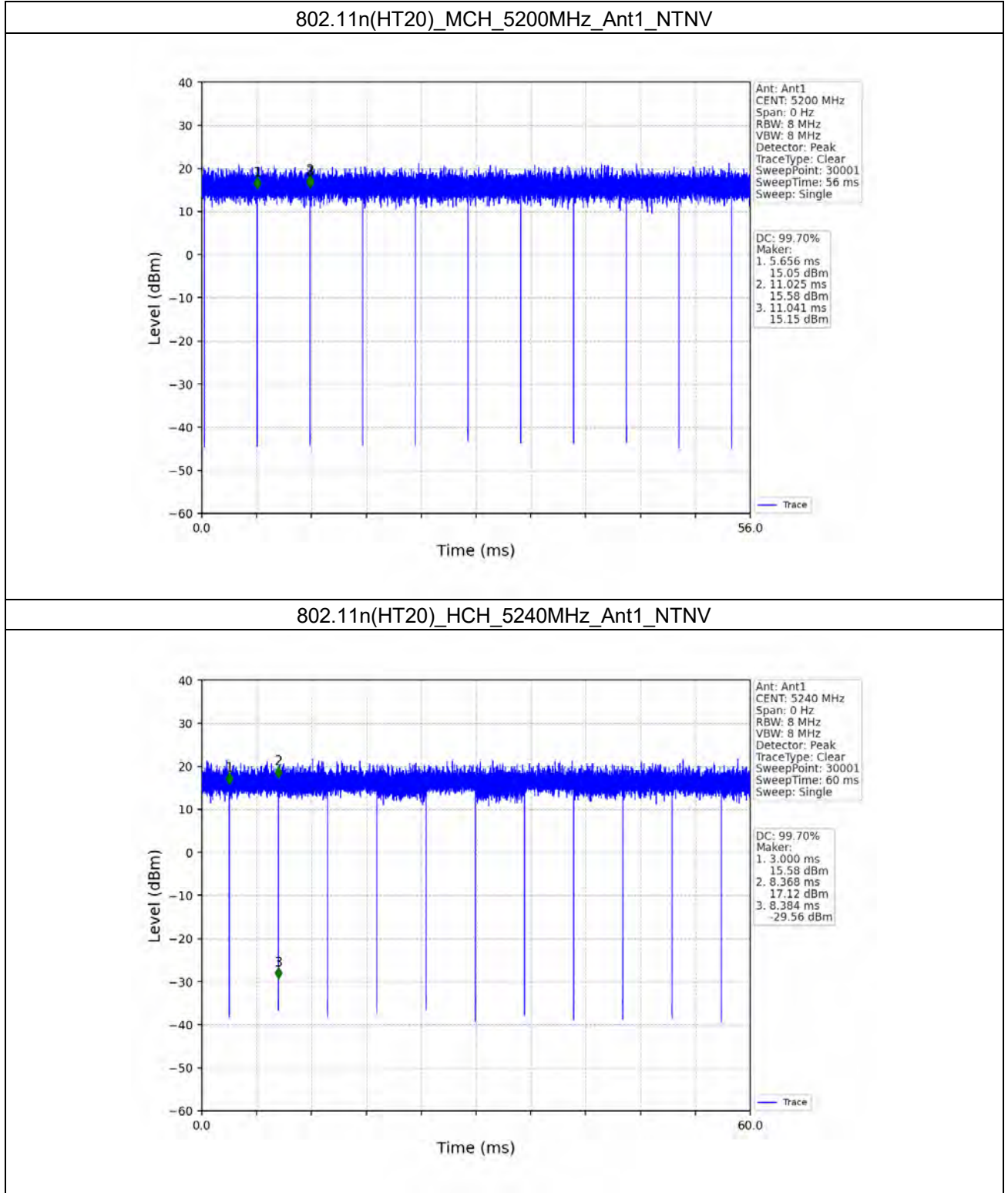
802.11a_HCH_5720MHz_Ant1_NTNV



802.11n(HT20)_LCH_5180MHz_Ant1_NTNV

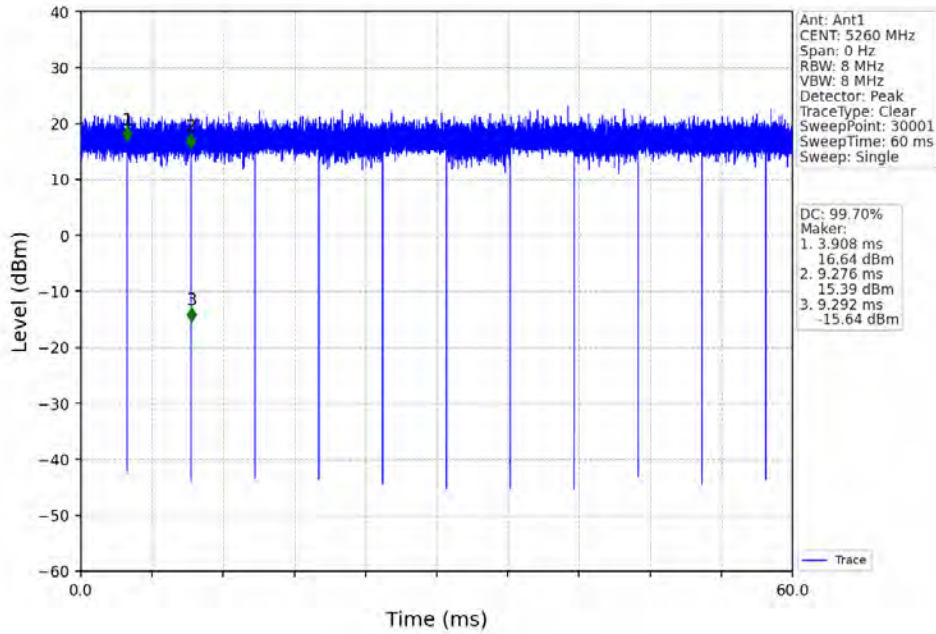


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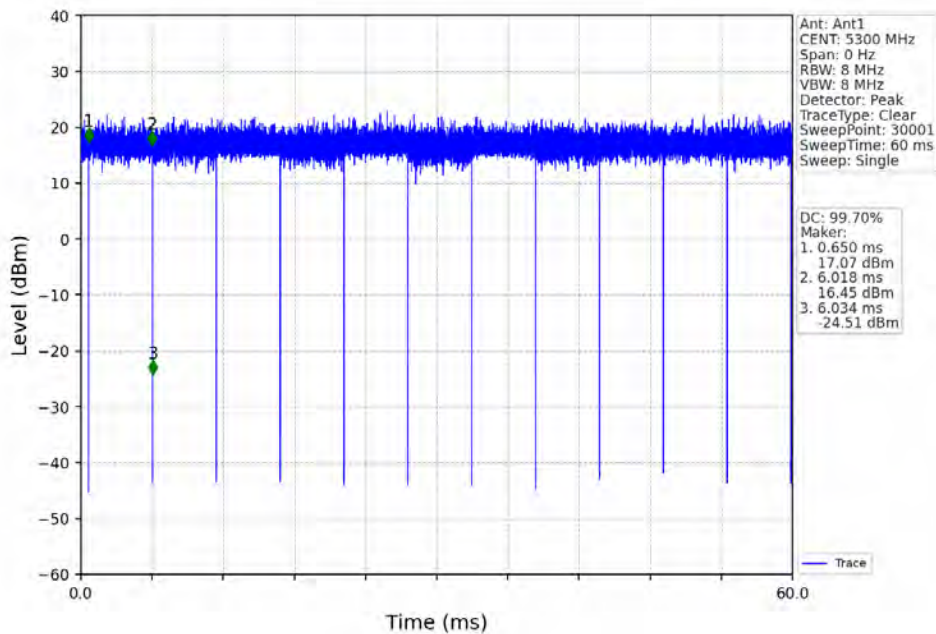


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802.11n(HT20)_LCH_5260MHz_Ant1_NTNV

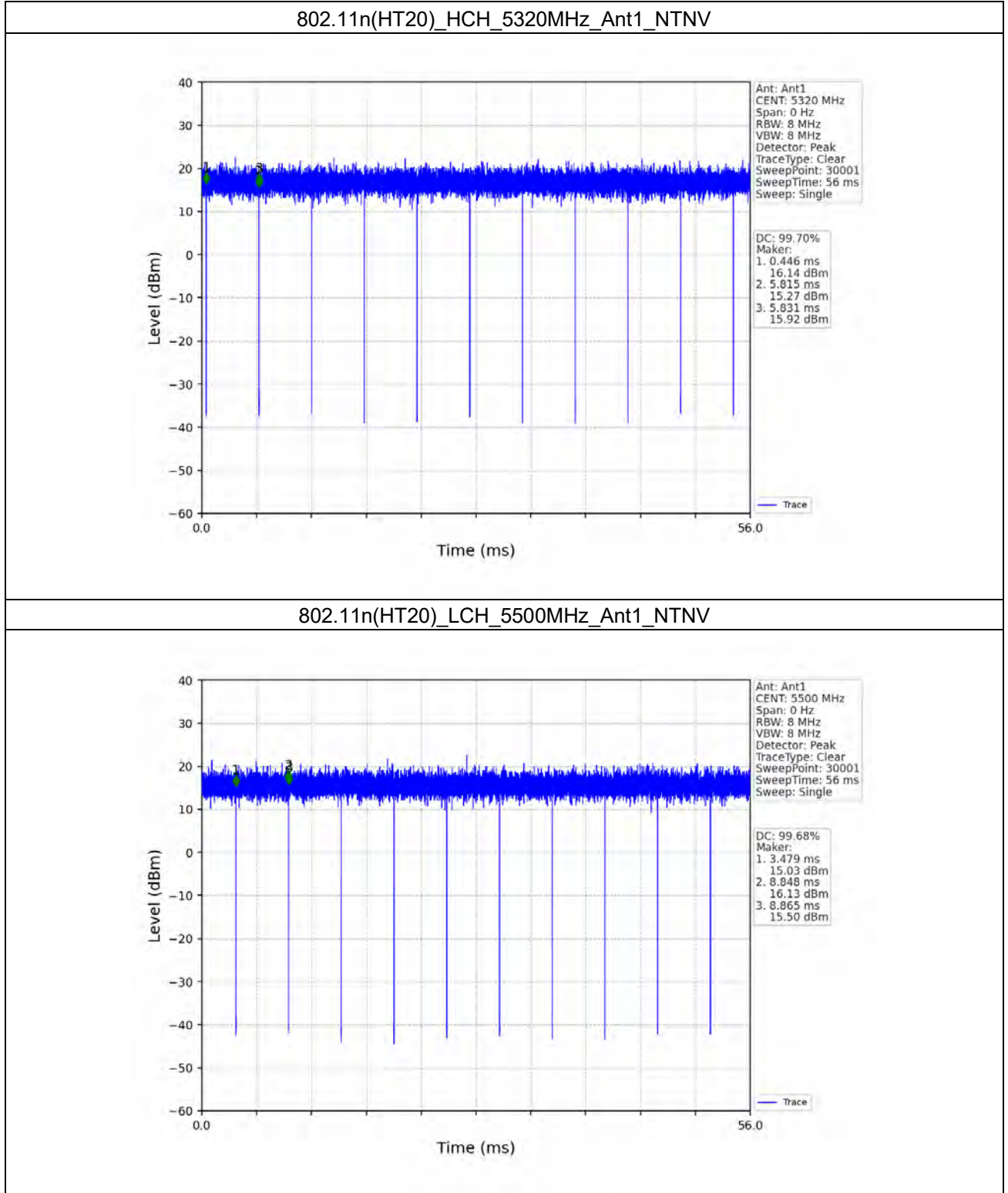


802.11n(HT20)_MCH_5300MHz_Ant1_NTNV

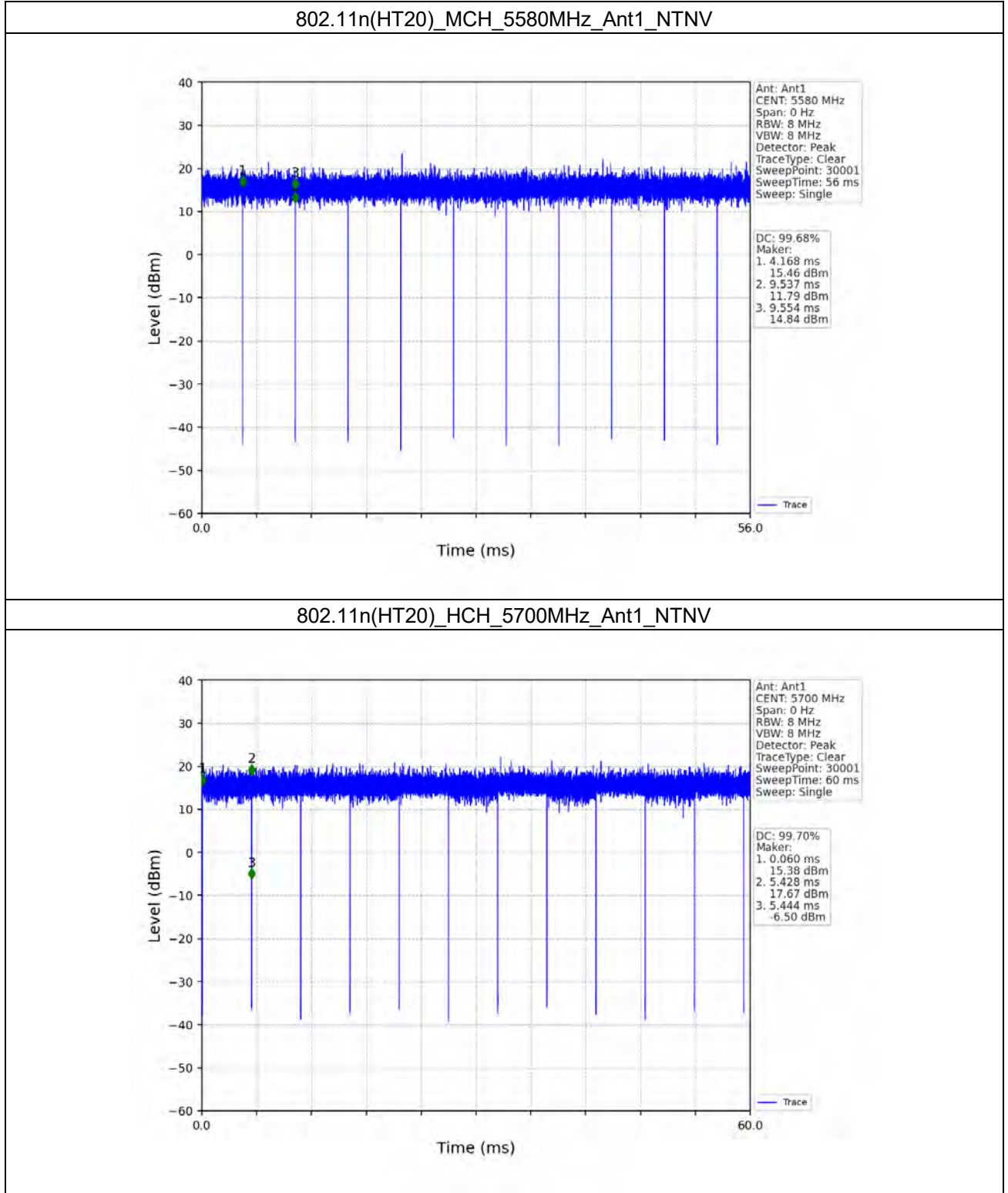


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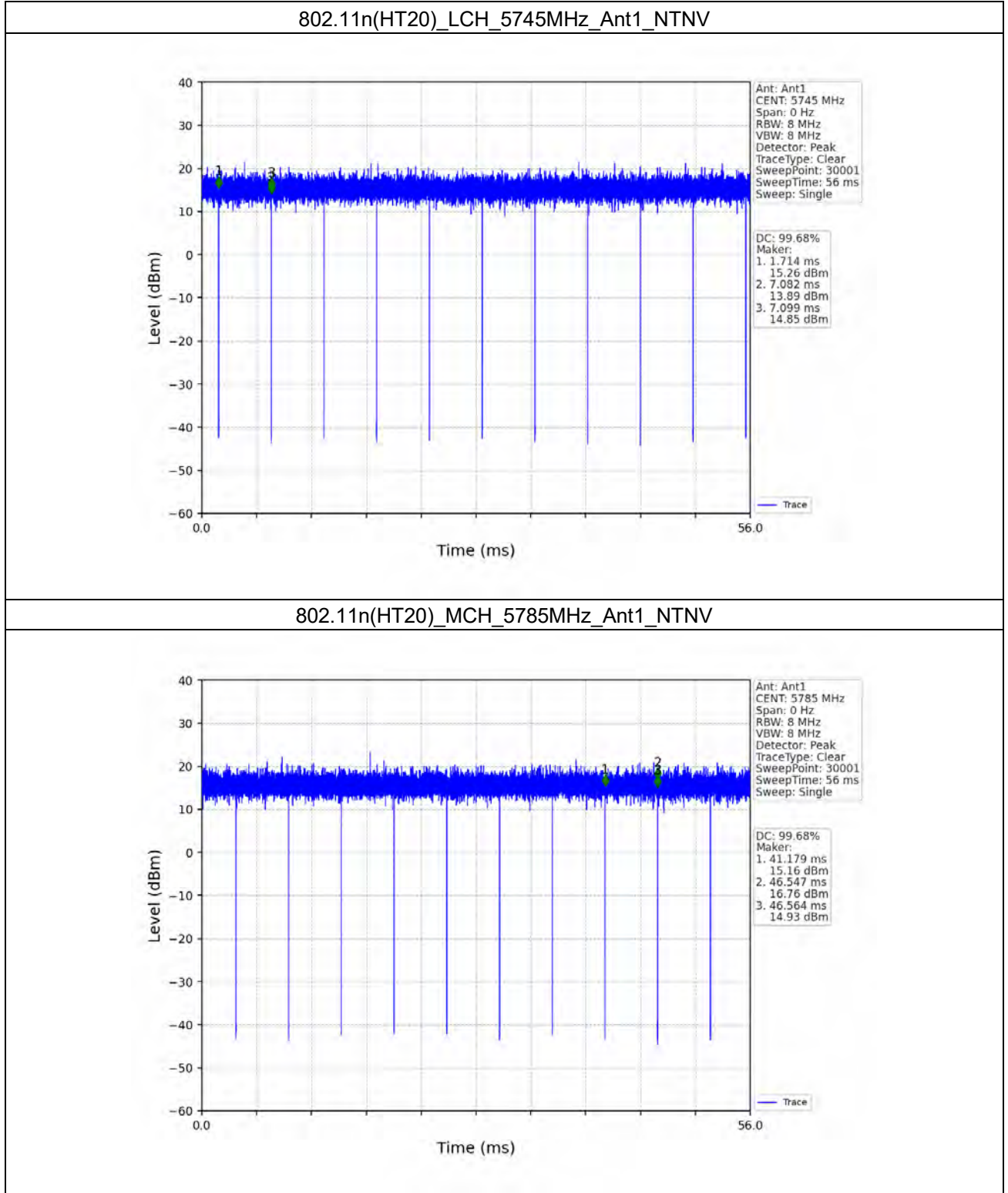
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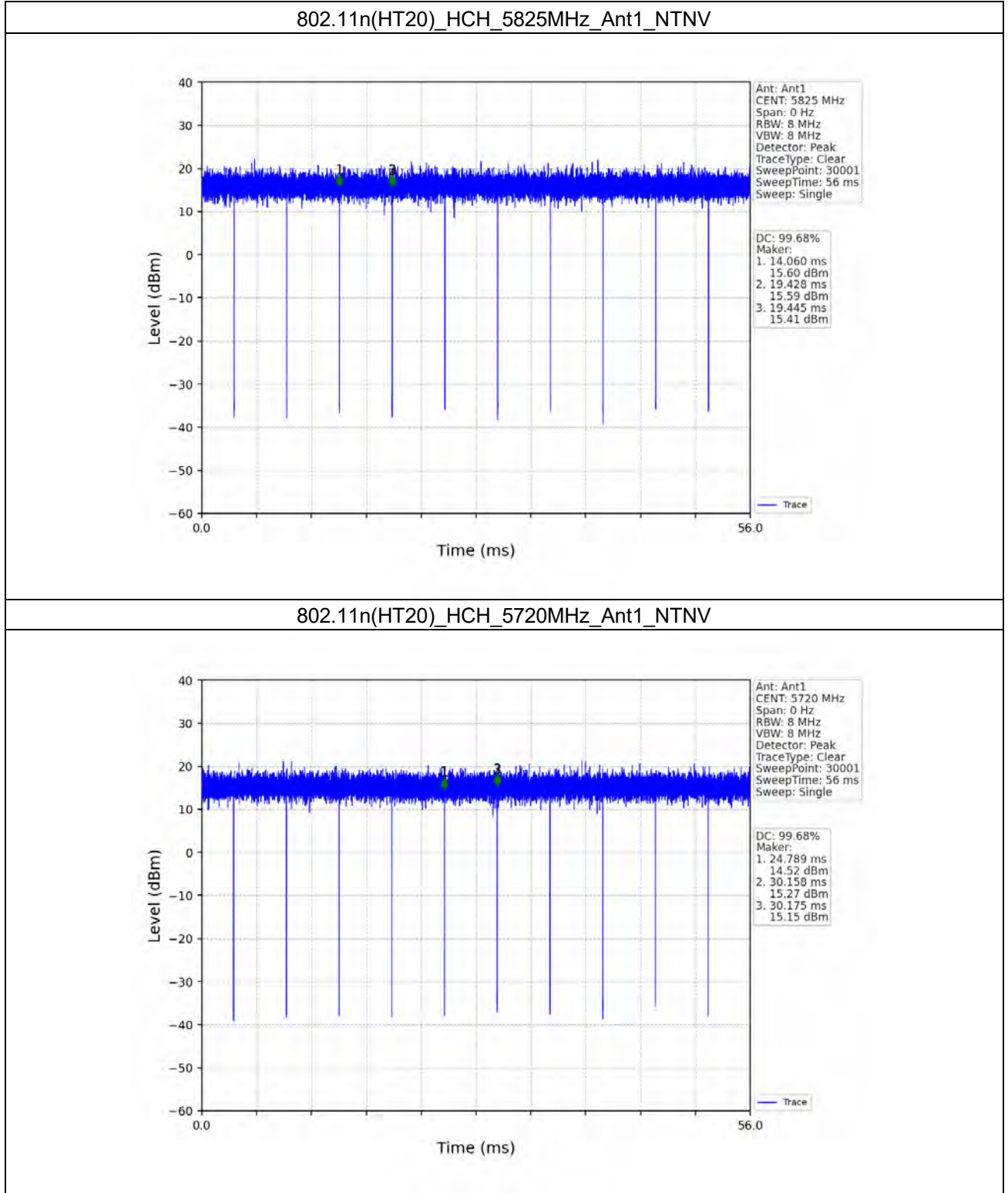
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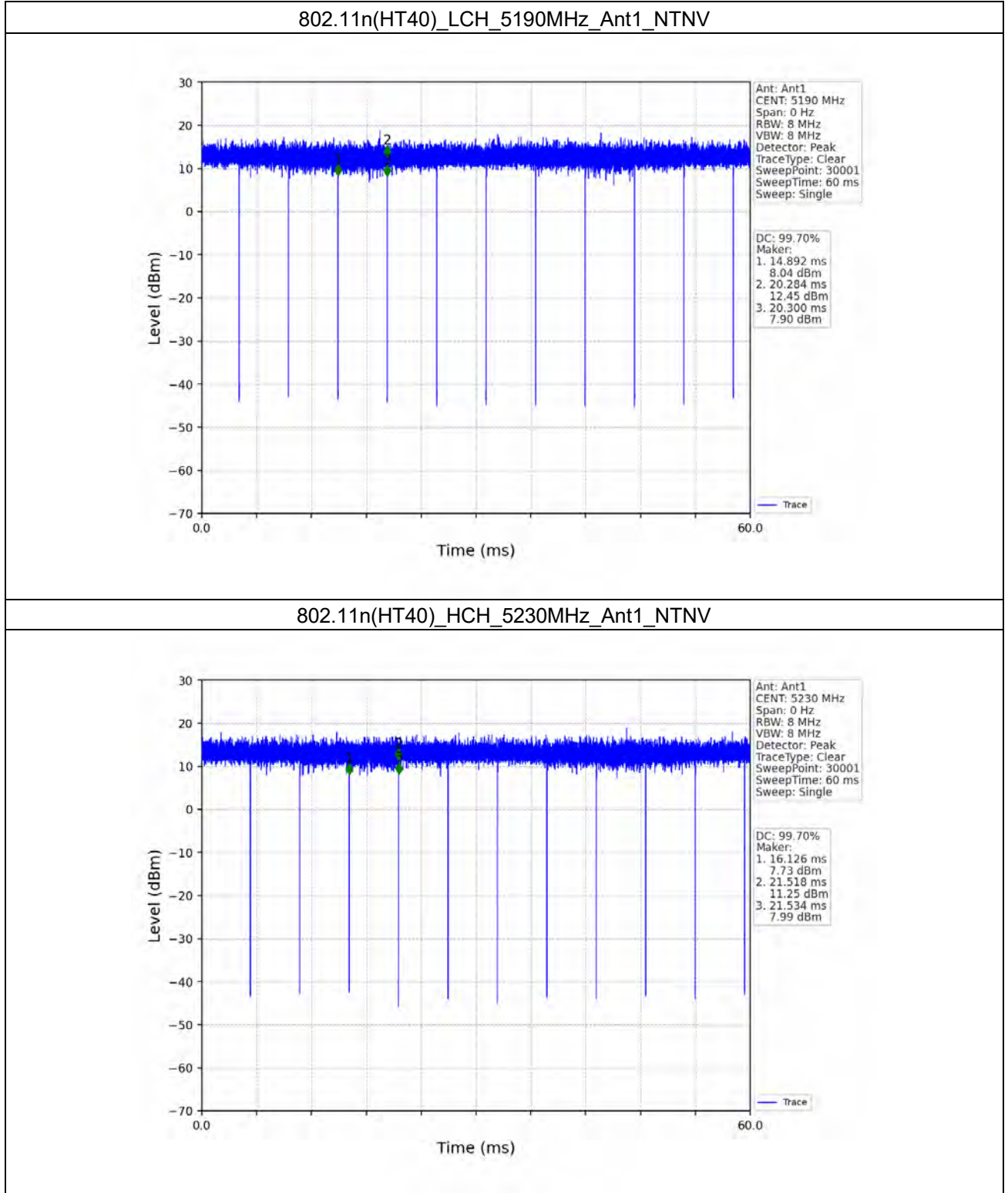
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 中国·广东·深圳市南山区科技园中区M-10栋1号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com



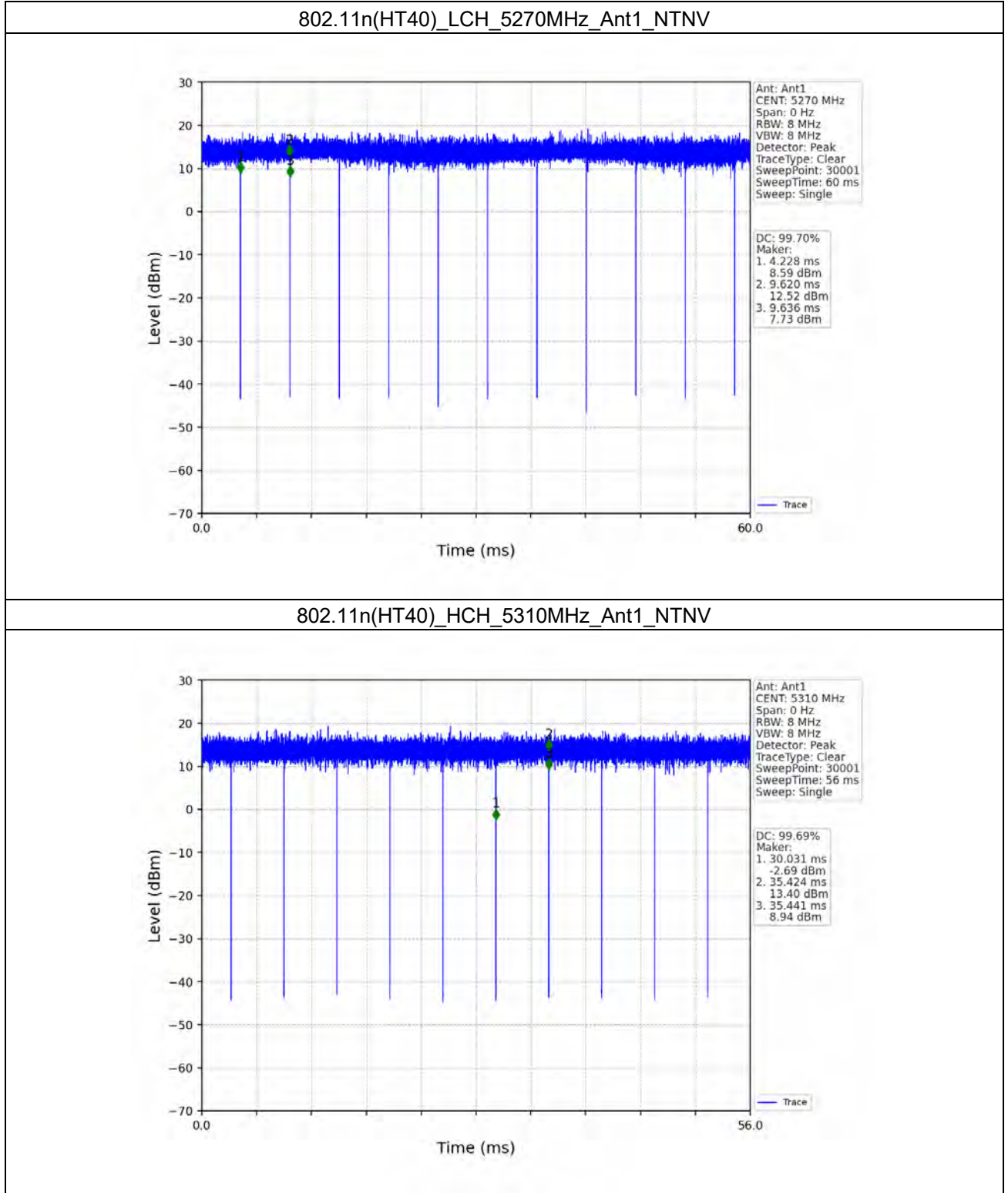
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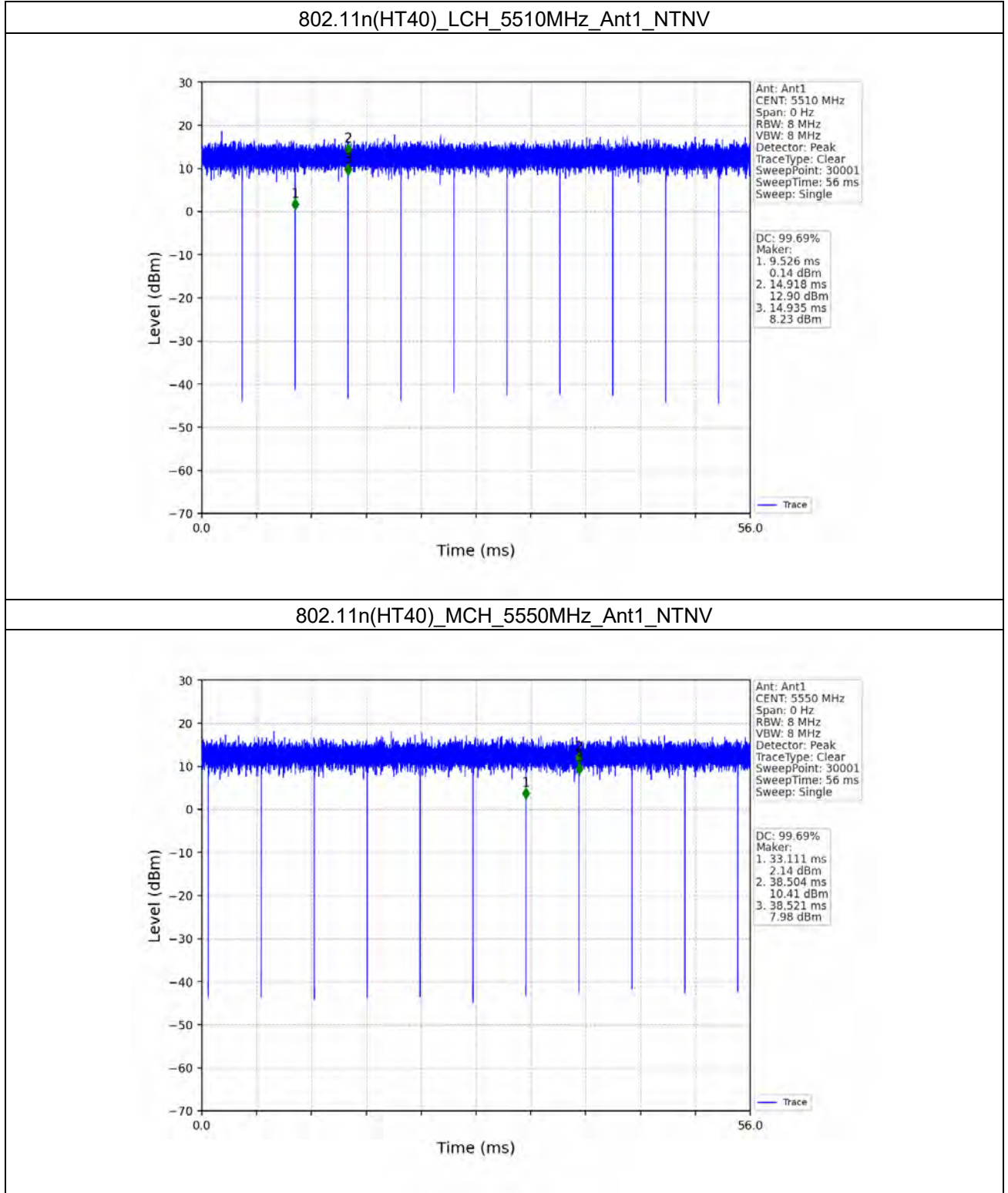
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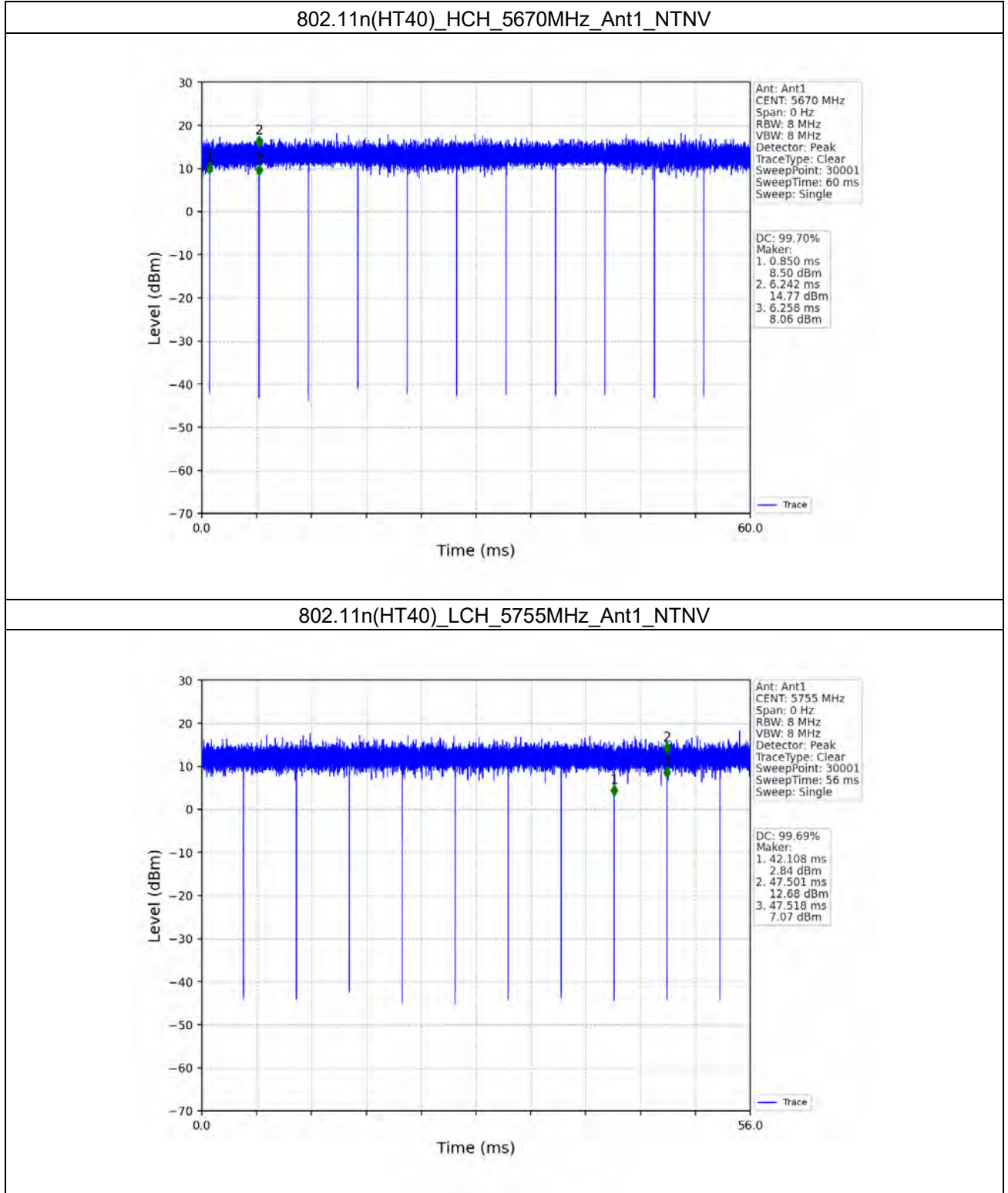
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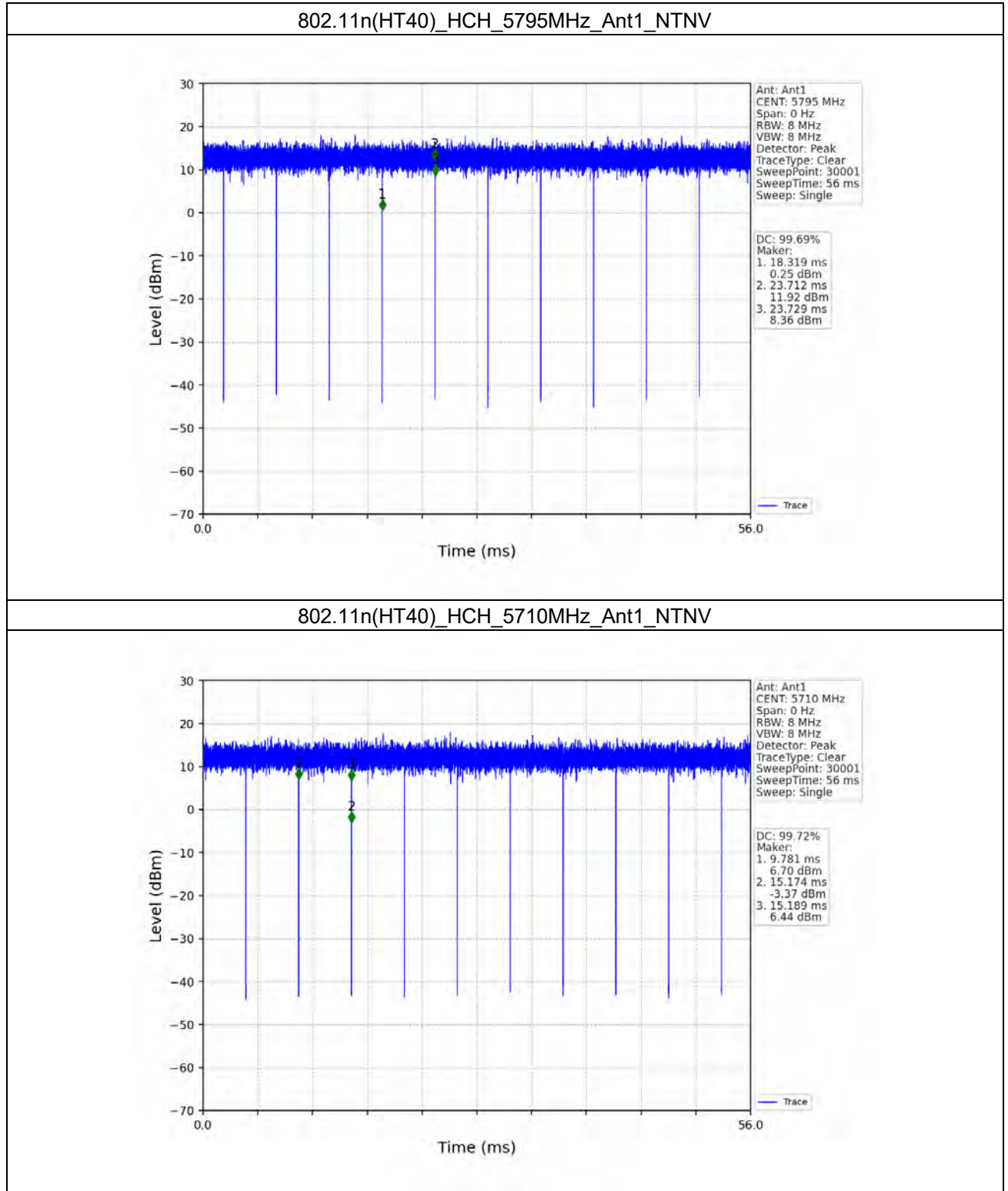
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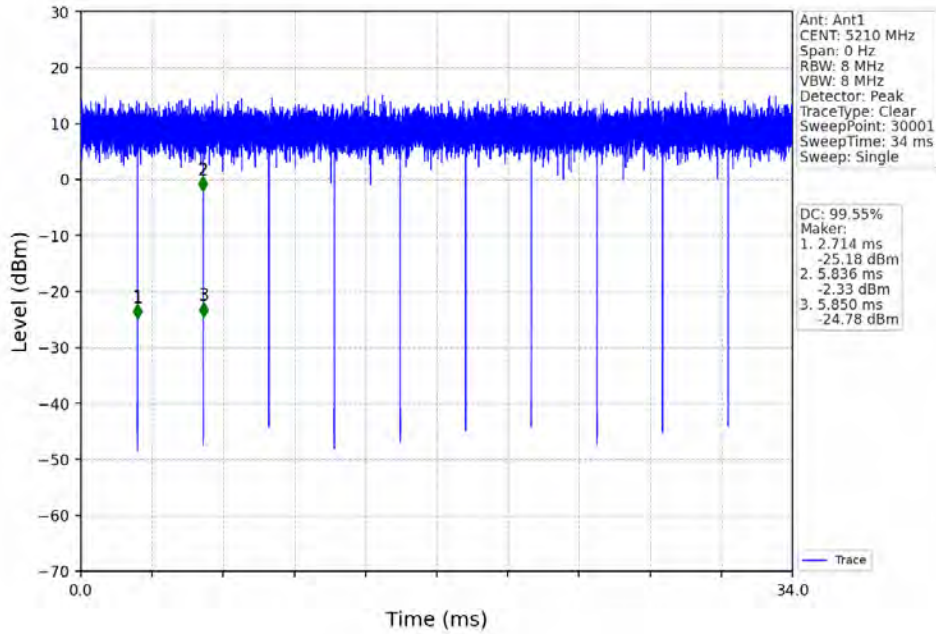


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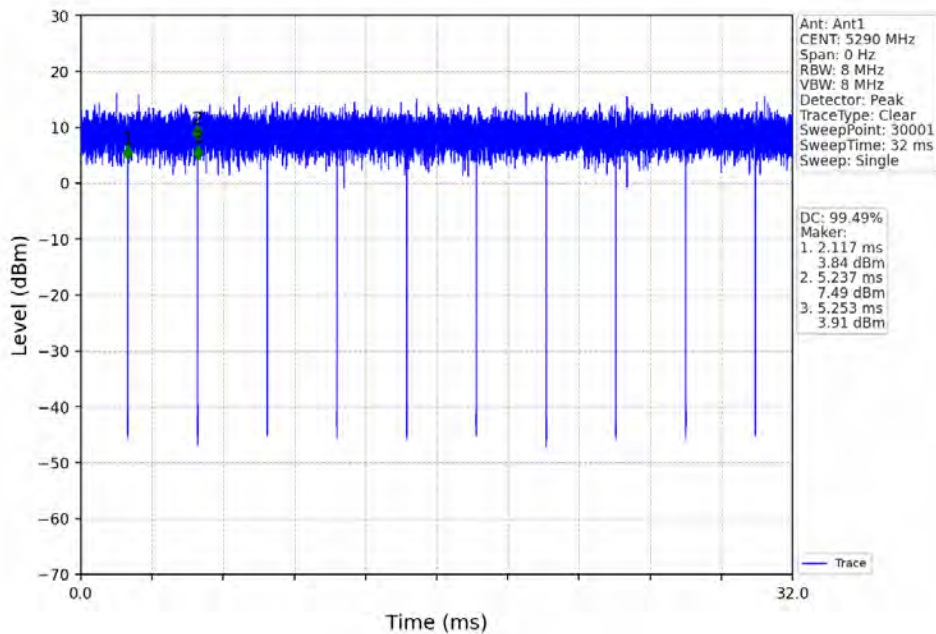


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802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV

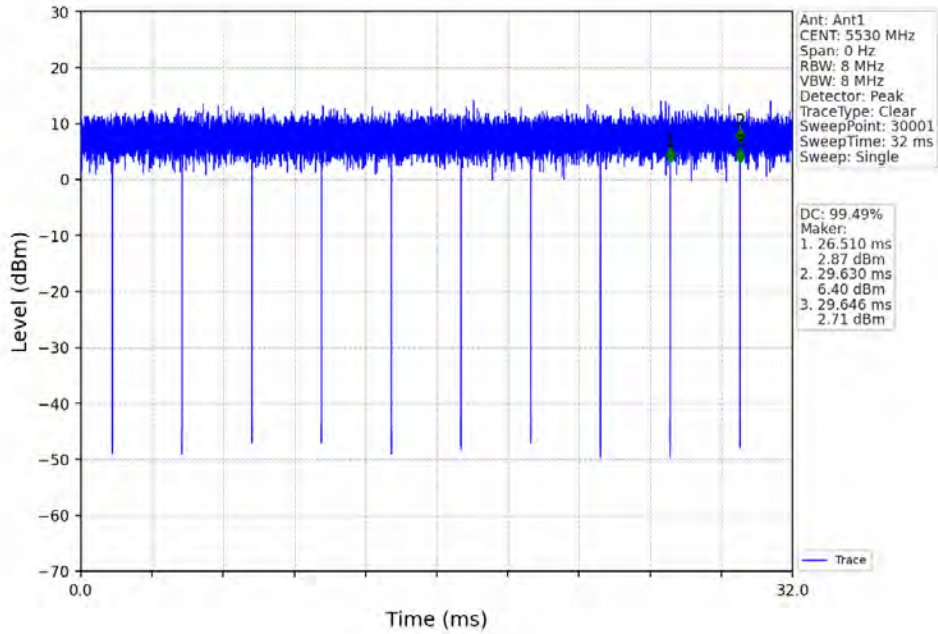


802.11ac(VHT80)_MCH_5290MHz_Ant1_NTNV

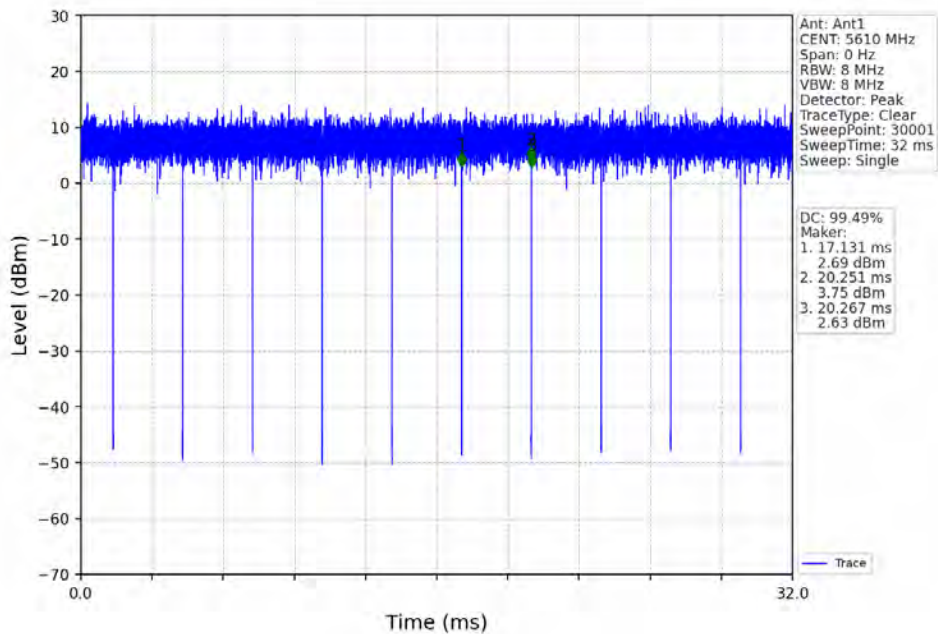


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802.11ac(VHT80)_LCH_5530MHz_Ant1_NTNV



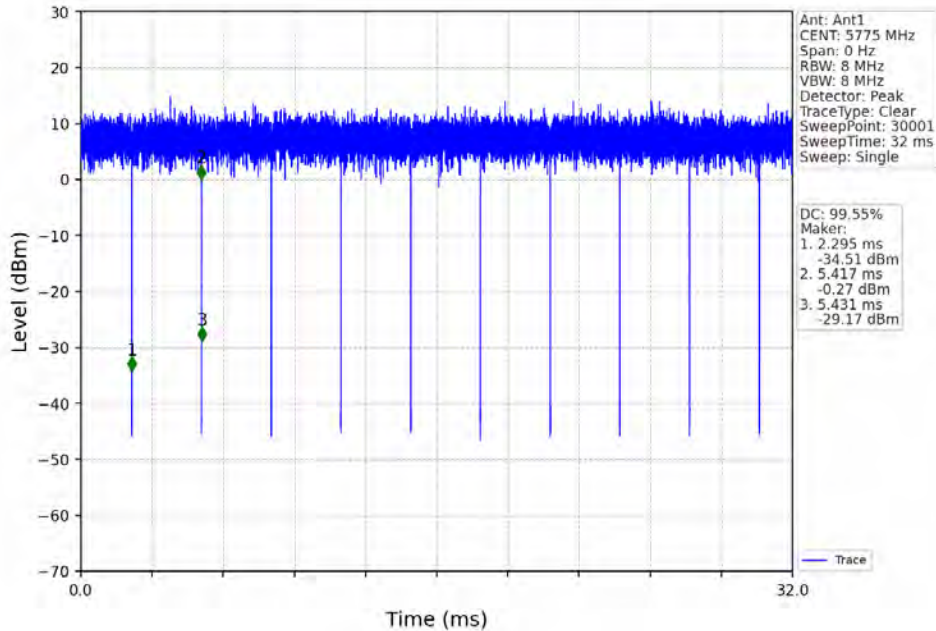
802.11ac(VHT80)_HCH_5610MHz_Ant1_NTNV



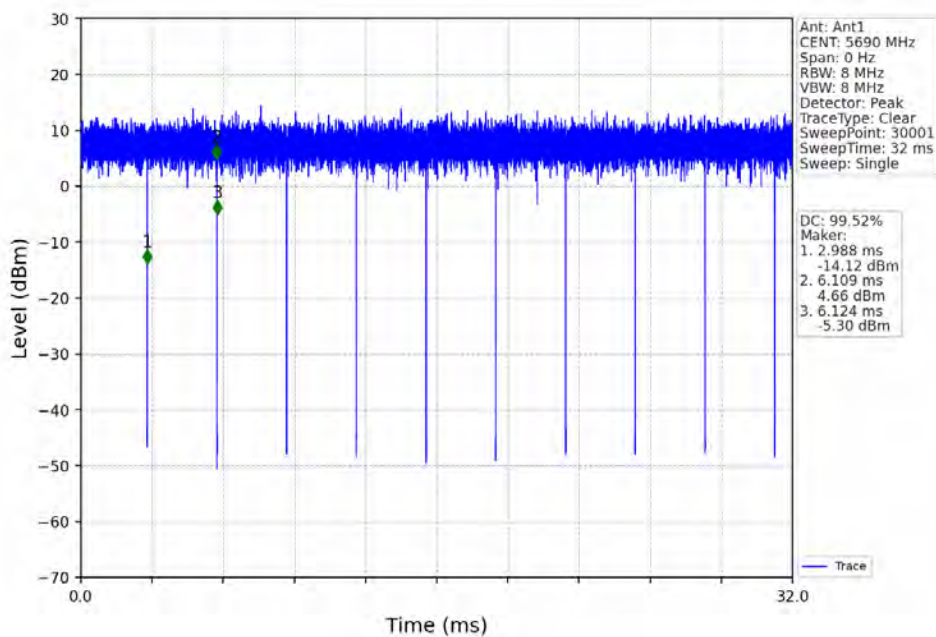
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802.11ac(VHT80)_MCH_5775MHz_Ant1_NTNV

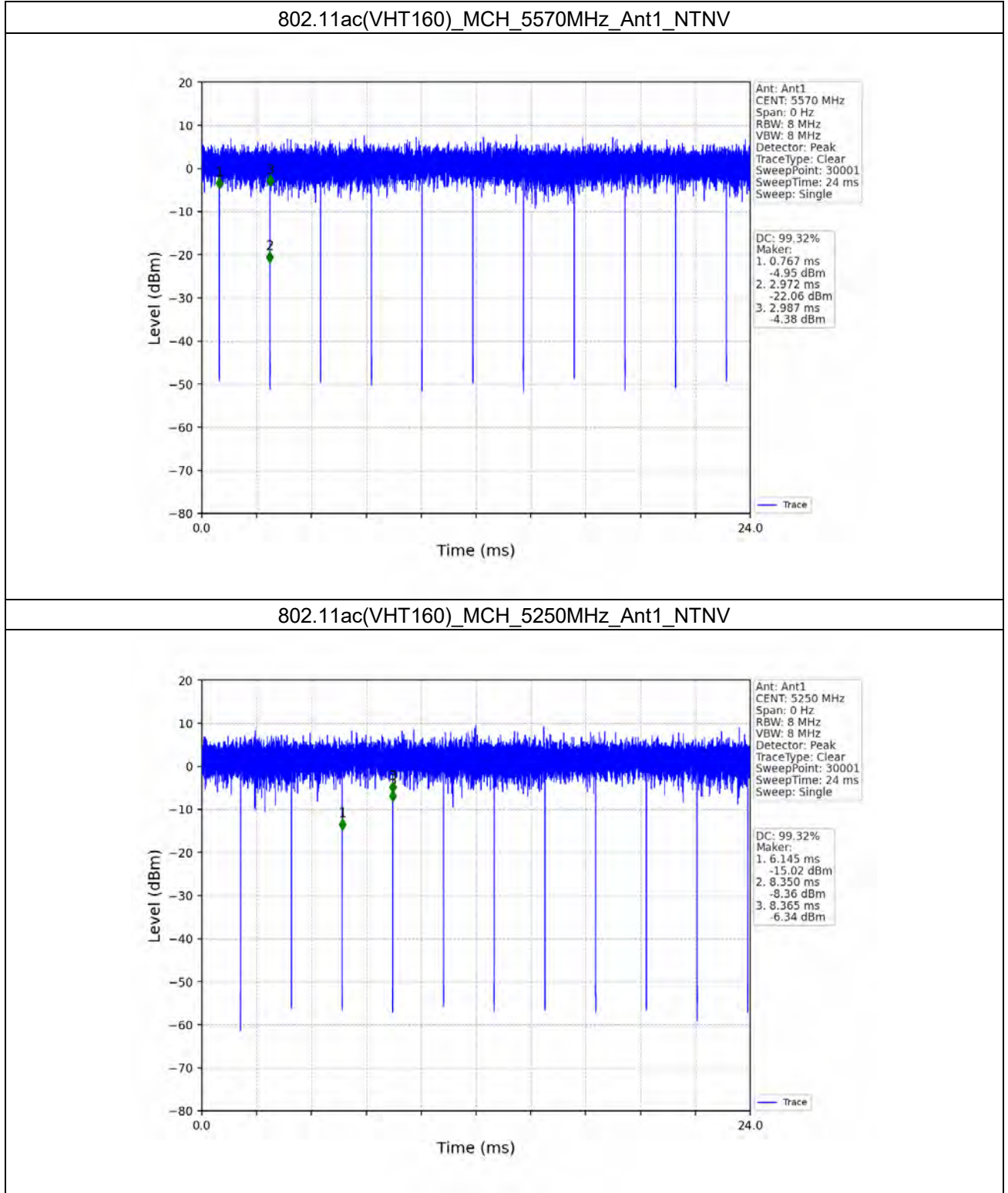


802.11ac(VHT80)_HCH_5690MHz_Ant1_NTNV



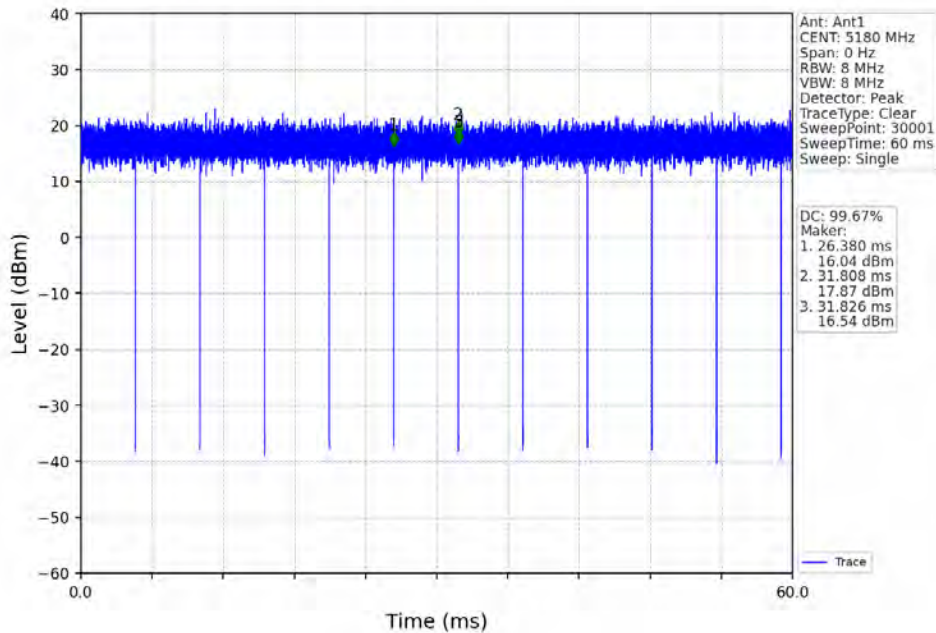
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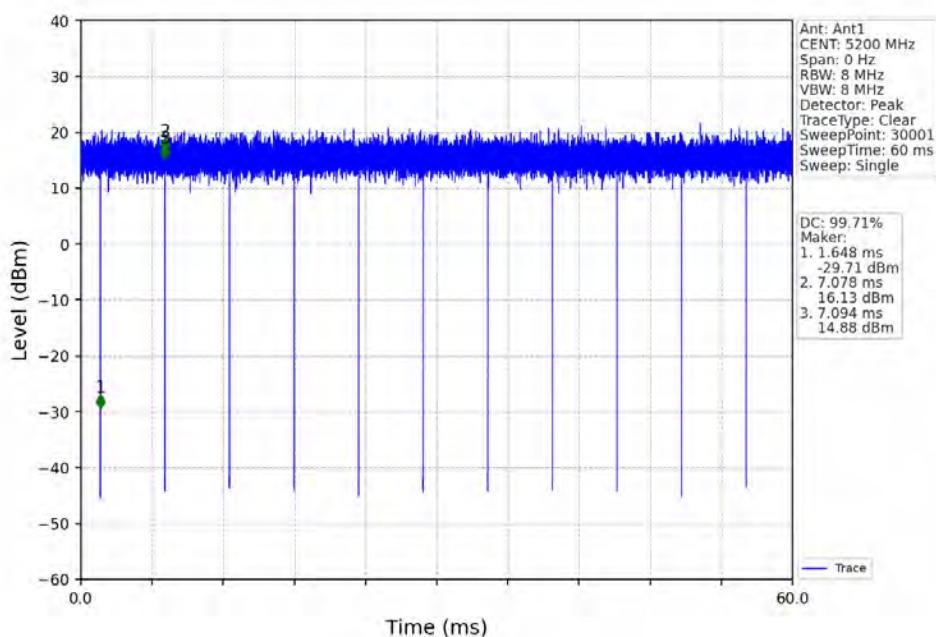


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802.11ax(HE20)_LCH_5180MHz_RU242_Left_Ant1_NTNV

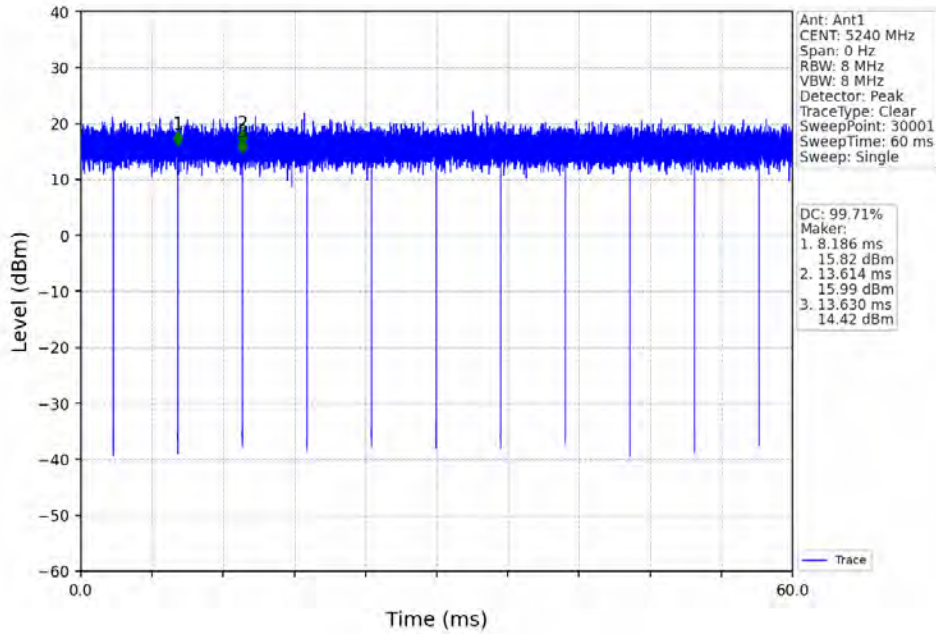


802.11ax(HE20)_MCH_5200MHz_RU242_Left_Ant1_NTNV

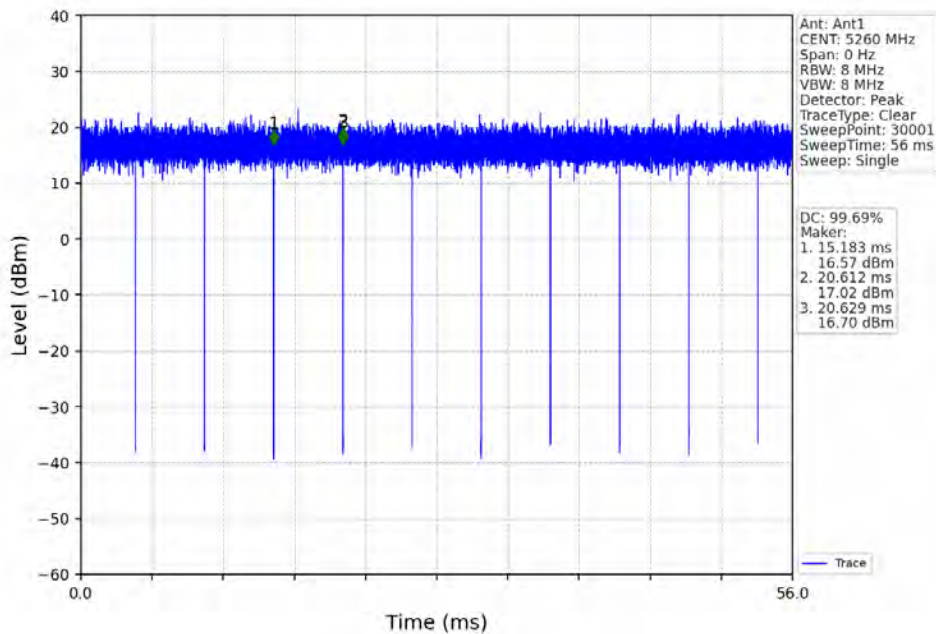


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802.11ax(HE20)_HCH_5240MHz_RU242_Left_Ant1_NTNV

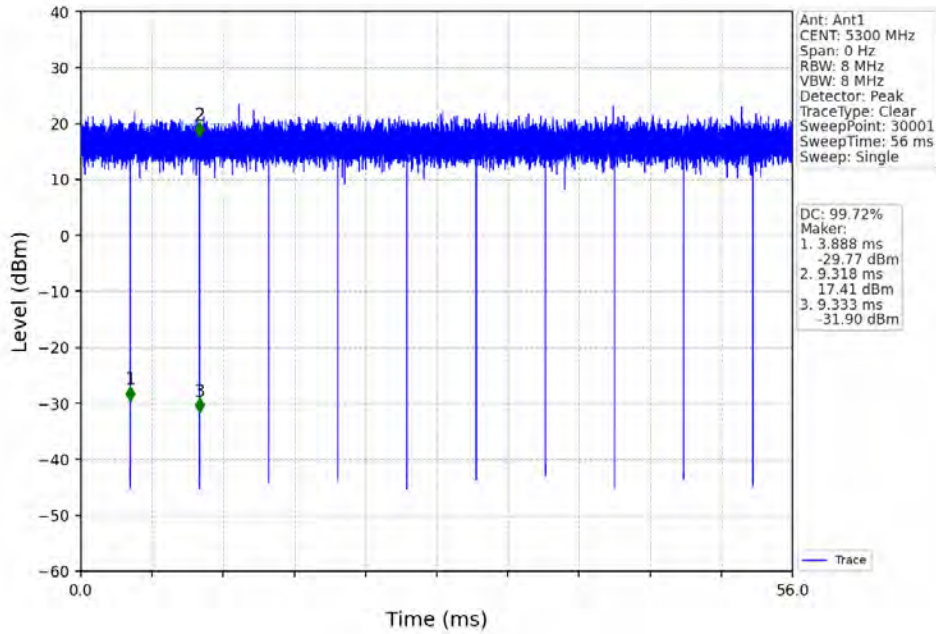


802.11ax(HE20)_LCH_5260MHz_RU242_Left_Ant1_NTNV

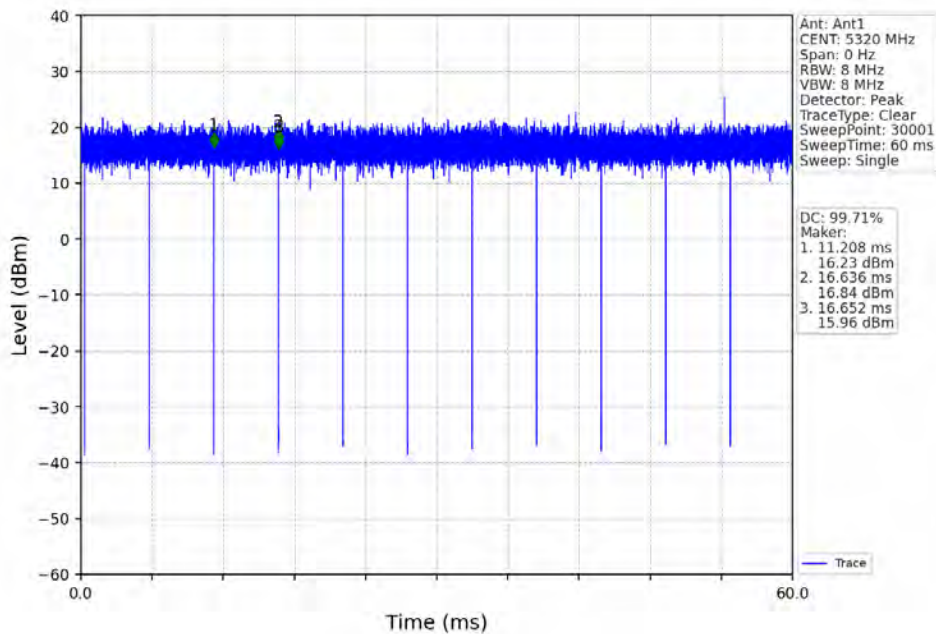


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802.11ax(HE20)_MCH_5300MHz_RU242_Left_Ant1_NTNV

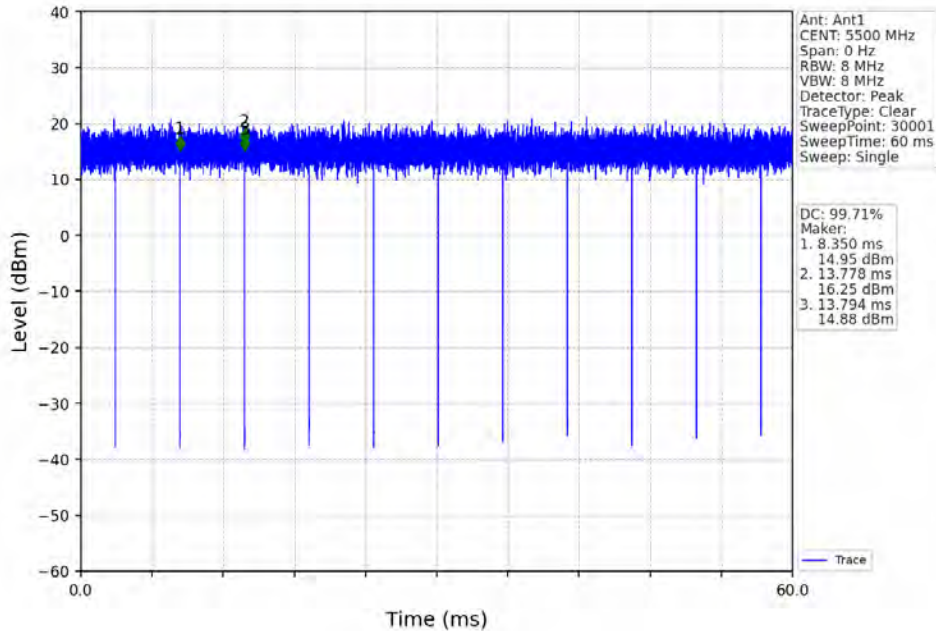


802.11ax(HE20)_HCH_5320MHz_RU242_Left_Ant1_NTNV

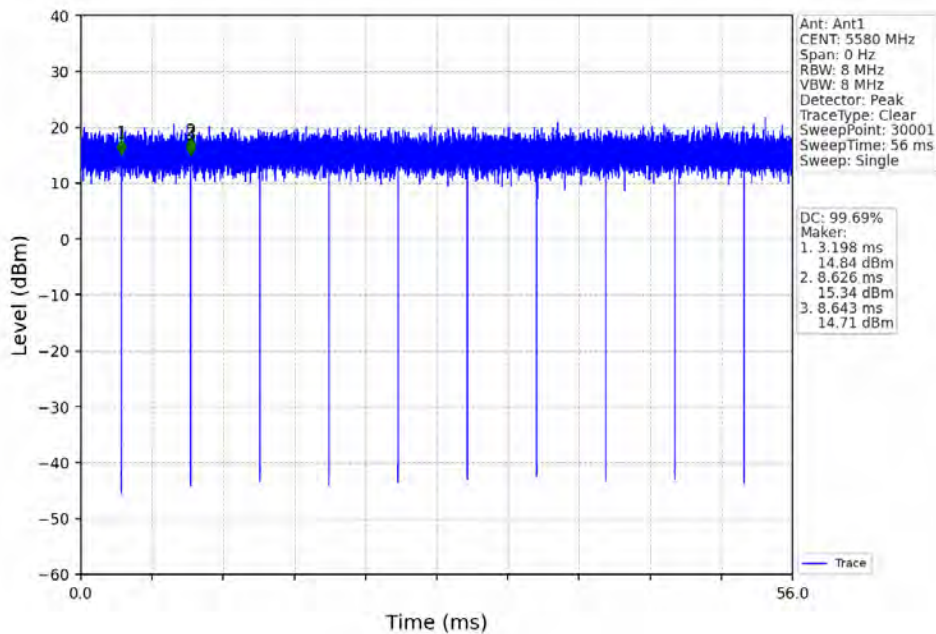


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802.11ax(HE20)_LCH_5500MHz_RU242_Left_Ant1_NTNV

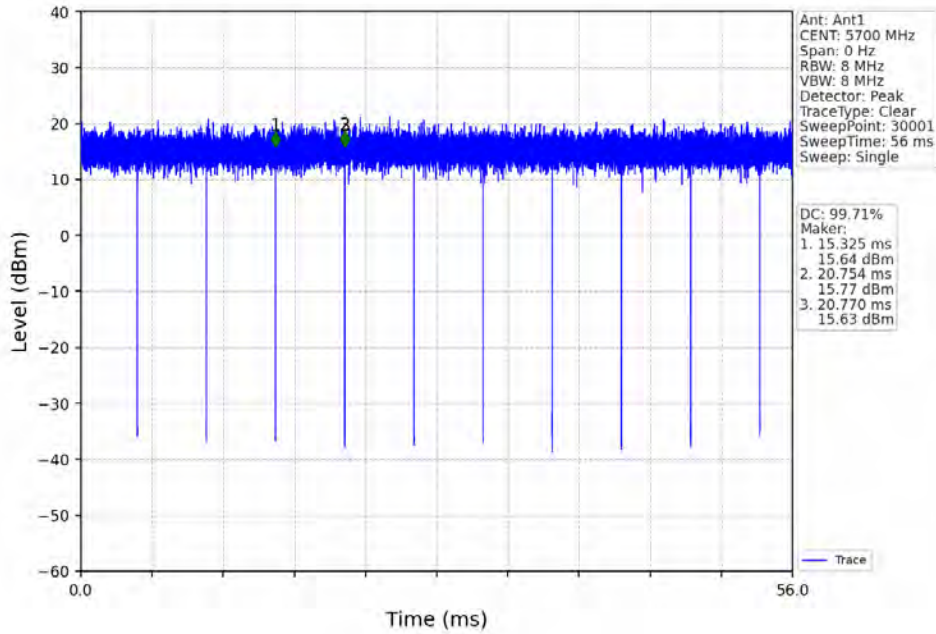


802.11ax(HE20)_MCH_5580MHz_RU242_Left_Ant1_NTNV

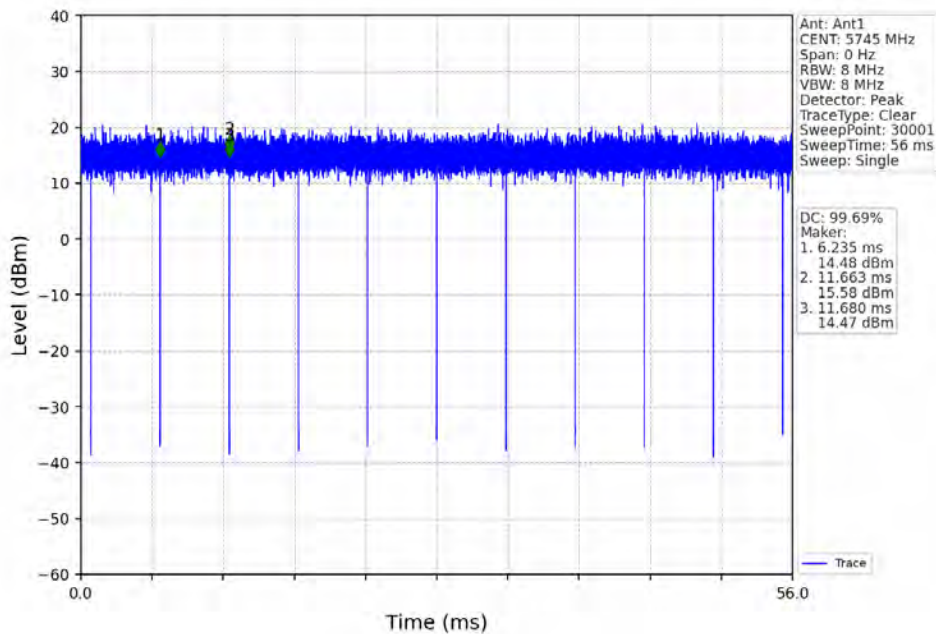


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802.11ax(HE20)_HCH_5700MHz_RU242_Left_Ant1_NTNV



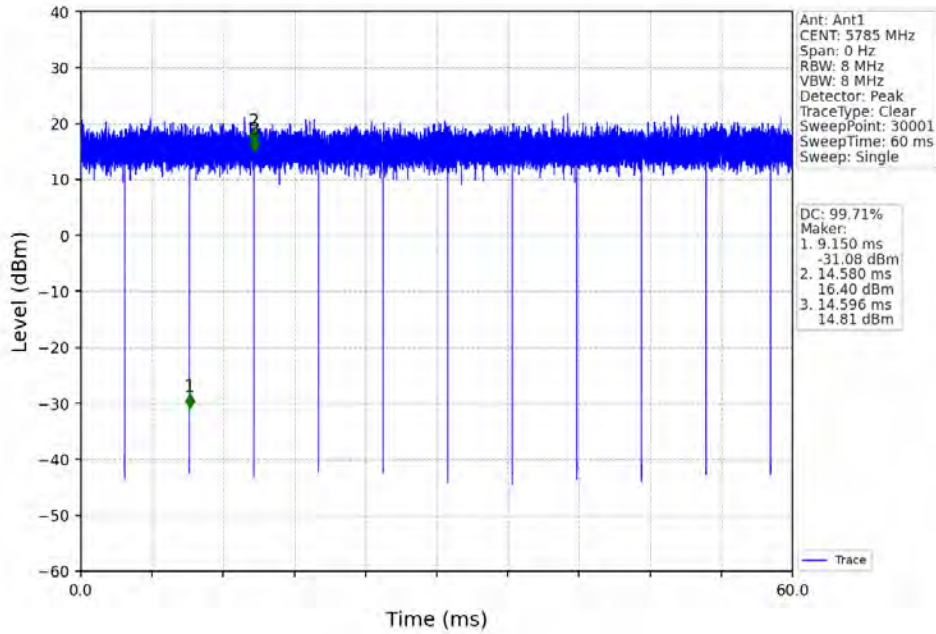
802.11ax(HE20)_LCH_5745MHz_RU242_Left_Ant1_NTNV



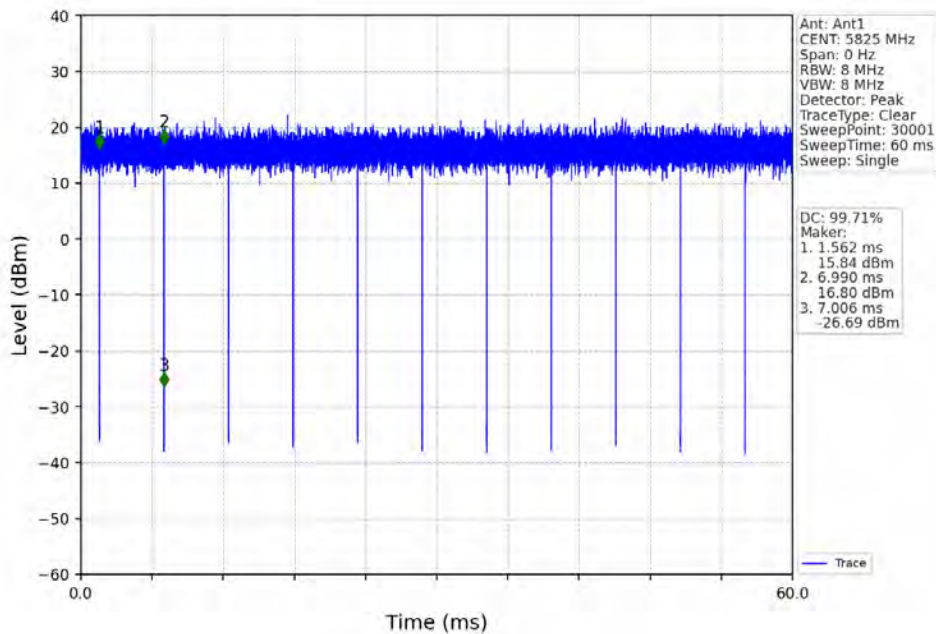
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802.11ax(HE20)_MCH_5785MHz_RU242_Left_Ant1_NTNV



802.11ax(HE20)_HCH_5825MHz_RU242_Left_Ant1_NTNV



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