



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

SZEMC-TRF-01 Rev. A/1

Report No.: SZCR241100443604

Page: 1 of 622

TEST REPORT

Application No.: SZCR2411004436MO
Applicant: Rolling Wireless S.à r.l.
Address of Applicant: 8-10 rue Mathias Hardt 1717 Luxembourg
Manufacturer: Rolling Wireless S.à r.l.
Address of Manufacturer: 8-10 rue Mathias Hardt 1717 Luxembourg
Equipment Under Test (EUT):
EUT Name: RW962B
Model No.: RW962B
Trade Mark: Rolling Wireless
FCC ID: 2AX2URW962B
Standard(s) : 47 CFR Part 15, Subpart E 15.407
Date of Receipt: 2024-11-26
Date of Test: 2024-12-03 to 2025-04-11
Date of Issue: 2025-04-14

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

Keny Xu

Keny Xu
EMC Laboratory Manager



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Revision Record				
Version	Chapter	Date	Modifier	Remark
01		2025-04-14		Original

Authorized for issue by:				
		Donjon . Huang		
		Donjon Huang/Project Engineer		
		Eric Fu		
		Eric Fu/Reviewer		



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2 Test Summary

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

Radio Spectrum Matter Part				
Item	Standard	Method	Requirement	Result
Conducted Emissions at AC Power Line (150kHz-30MHz)	47 CFR Part 15, Subpart E 15.407	ANSI C63.10 (2013) Section 6.2	47 CFR Part 15, Subpart C 15.207 & Subpart E 15.407 b(9)	Pass
Maximum Conducted output power		KDB 789033 D02 II E	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
Duty Cycle		KDB 789033 D02 II B 1	KDB 789033 D02 II B 1	Pass
99% Bandwidth		KDB 789033 D02 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
Peak Power spectrum density		KDB 789033 D02 II F	47 CFR Part 15, Subpart E 15.407 (a)	Pass
Frequency Stability		ANSI C63.10 (2013) Section 6.8	47 CFR Part 15, Subpart E 15.407 (g)	Pass



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4 General Information

4.1 Details of E.U.T.

Hardware Version:	1.0	
Software Version:	AFPQ52XA_01.07.07.04	
Power Supply:	DC4V	
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 channel bandwidth
	802.11ax:	20 MHz / 40 MHz / 80 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(HEW20)
	40MHz:	802.11n(HT40)/ac(VHT40)/ax(HEW40)
	80MHz:	802.11ac(VHT80)/ax(HEW80)
Antenna Type:	☒ External, ☐ Integrated	
Antenna Gain:	5150MHz to 5250MHz: 1.14dBi(Ant1); 1.14dBi(Ant2); 5250MHz to 5350MHz: 1.83dBi(Ant1); 1.83dBi(Ant2); 5470MHz to 5725MHz: 3.18dBi(Ant1); 3.18dBi(Ant2); 5725MHz to 5850MHz: 3.42dBi(Ant1); 3.42dBi(Ant2);	
	Note: The antenna gain are derived from the gain information report provided by the manufacturer.	
Smart System:	☒ SISO	802.11a/n/ac/ax
	☒ MIMO	802.11n/ac/ax: 2Tx & 2Rx
	☒ Diversity	CDD: 802.11a: 2Tx & 2Rx
TPC Function:	☒ Support, ☐ Not Support	
DFS Function:	☒ Master	
	☐ Slave with radar detection	☐ Slave without radar detection
RF Cable:	4900MHz ~ 5250MHz(1.6dB)	5250MHz ~ 5350MHz(1.7dB)





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	5470MHz ~ 5725MHz(1.8dB)	5725MHz ~ 5850MHz (2dB)
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4.2 Environment Parameter

Environment Parameter	1020 mbar Selected Values During Tests	
Relative Humidity	38.7-60.3 % RH Ambient	
Value	Temperature(°C)	Voltage(V)
NTNV	20.2~24.5	4.0
Note: NV:Normal Voltage LV:Low Extreme Test Voltage HV:High Extreme Test Voltage NT:Normal Temperature LT:Low Extreme Test Temperature HT:High Extreme Test Temperature		

4.3 Description of Support Units

Description	Manufacturer	Model No.
Type-C Cable	Rolling	N/A
Mainboard	Rolling	RW96XX-RB931X CCB 5307366_REV_4
Mainboard	Rolling	RN93XX/94XX,RX135X CCB 5307306_REV_3
Adapter	Suzhou Mean Well Technology Co., Ltd	GST60A12



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4.4 Measurement Uncertainty

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

Remark:

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

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



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4.5 Test Location

All tests were performed at:

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

No tests were sub-contracted.

4.6 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.

4.7 Deviation from Standards

None

4.8 Abnormalities from Standard Conditions

None



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5 Equipment List

Conducted Emissions at AC Power Line (150kHz-30MHz)					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
Shielding Room	ZhongYu Electron	GB-88	SEM001-06	2022-05-14	2025-05-13
EMI Test Receiver	Rohde&Schwarz	ESR	SZ-WRG-M-047	2024-01-30 2025-01-08	2025-01-29 2026-01-07
Matching Pad	N/A	N/A	SEM021-23	2024-03-20 2025-03-19	2025-03-19 2026-03-18
Matching Pad	N/A	N/A	SEM021-24	2024-03-20 2025-03-19	2025-03-19 2026-03-18
Measurement Software	AUDIX	e3 V8.2014-6-27a	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM024-01	2024-07-06	2025-07-05
LISN	Rohde&Schwarz	ENV216	SEM007-01	2024-08-15	2025-08-14
LISN	ETS-LINDGREN	3816/2	SEM007-02	2024-03-14 2025-03-03	2025-03-13 2026-03-02

Maximum Conducted output power					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
Power Sensor	TST PASS	TSPS2023R	SEM009-26	2024-03-14 2025-03-04	2025-03-13 2026-03-04
Power Sensor	KEYSIGHT	U2021XA	SEM009-16	2024-03-14 2025-03-04	2025-03-13 2026-03-04
DC Power Supply	Chroma	62012P-80-60	SEM011-11	2024-08-14	2025-08-13
MXA Signal Analyzer	KEYSIGHT	N9020A	SEM004-21	2024-03-14 2025-03-04	2025-03-13 2026-03-04
Signal Generator	KEYSIGHT	N5173B	SEM006-05	2024-09-14	2025-09-13
Measurement Software	TST PASS	TST PASS V2.0	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM031-01	2024-07-06	2025-07-05
Attenuator	Huber+Suhner	6620_SMA-50-1	SEM021-09	2024-03-27 2025-03-03	2025-03-26 2026-03-02
Programmable Temperature & Humidity Chamber	Votsch Industrietechnik GmbH	VT 4002	SEM002-15	2024-03-19 2025-02-26	2025-03-18 2026-02-25

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	ETS-LINDGREN	N/A	SEM001-01	2023-06-19	2026-06-18



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Chamber					
MXE EMI Receiver	Agilent Technologies	N9038A	SEM004-15	2024-08-14	2025-08-13
BiConiLog Antenna	ETS-LINDGREN	3142C	SEM003-01	2023-09-16	2025-09-15
Pre-Amplifier	Agilent Technologies	8447D	SEM005-01	2024-03-14 2025-03-04	2025-03-13 2026-03-03
Measurement Software	AUDIX	e3 V8.2014-6-27	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM025-01	2024-07-06	2025-07-05

Radiated Emissions (Above 1GHz)

Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
Signal & Spectrum Analyzer	Rohde & Schwarz	FSV	SZ-WRG-M-048	2024-03-15 2025-01-07	2025-03-14 2026-01-06
Low Noise Amplifier 1G-18GHz	Tonscend	TAP01018050	SZ-WRG-M-051	2024-03-15 2025-01-07	2025-03-14 2026-01-06
Low Noise Amplifier 18G-40GHz	Tonscend	TAP18040048	SZ-WRG-M-052	2024-03-15 2025-01-08	2025-03-14 2026-01-07
Double Ridge Horn Antenna 1GHz-18GHz	SCHWARZBECK	BBHA 9120 D	SZ-WRG-M-055	2023-12-21	2025-12-20
SHF-EHF Horn 15GHz-40GHz	SCHWARZBECK	BBHA 9170	SZ-WRG-M-056	2023-12-25	2025-12-24
RSE Test Software	AUDIX	e3 V8.2014-6-27	N/A	N/A	N/A
Chamber	CRTSGSSAC966	N/A	SZ-WRG-C-063	2024-05-11	2027-05-10
Humidity and Temperature Indicator	deli	8838	SEM002-46	2024-07-24	2025-07-23

Radiated Emissions which fall in the restricted bands

Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
Signal & Spectrum Analyzer	Rohde & Schwarz	FSV	SZ-WRG-M-048	2024-03-14 2025-01-07	2025-03-13 2026-01-06
Low Noise Amplifier 30M-8GHz	Tonscend	TAP30M8G30	SZ-WRG-M-050	2024-03-14 2025-01-07	2025-03-13 2026-01-06
Double Ridge Horn Antenna 1GHz-18GHz	SCHWARZBECK	BBHA 9120 D	SZ-WRG-M-055	2023-12-21	2025-12-20
SHF-EHF Horn 15GHz-40GHz	SCHWARZBECK	BBHA 9170	SZ-WRG-M-056	2023-12-25	2025-12-24
RSE Test Software	AUDIX	e3 V8.2014-6-27	N/A	N/A	N/A
Chamber	CRTSGSSAC966	N/A	SZ-WRG-C-063	2024-05-11	2027-05-10
Humidity and Temperature Indicator	deli	8838	SEM002-46	2024-07-24	2025-07-23



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RF Conducted Test					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
DC Power Supply	Chroma	62012P-80-60	SEM011-11	2024-08-14	2025-08-13
MXA Signal Analyzer	KEYSIGHT	N9020A	SEM004-19	2024-03-14 2025-03-04	2025-03-13 2026-03-03
Signal Generator	KEYSIGHT	N5173B	SEM006-05	2024-09-14	2025-09-13
Measurement Software	TST PASS	TST PASS V2.0	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM031-01	2024-07-06	2025-07-05
Attenuator	Huber+Suhner	6620_SMA-50-1	SEM021-09	2024-03-27 2025-03-03	2026-03-26 2026-03-02
Programmable Temperature & Humidity Chamber	Votsch Industrietechnik GmbH	VT 4002	SEM002-15	2024-03-19 2025-02-26	2025-03-18 2026-02-25
Manual Step Attenuator	KEYSIGHT	8494B	SEM021-05	2024-03-27 2025-03-03	2026-03-26 2026-03-02
Manual Step Attenuator	KEYSIGHT	8496B	SEM021-06	2024-03-27 2025-03-03	2026-03-26 2026-03-02
MXG Vector Signal Generator	Agilent	N5182A	SEM006-21	2024-03-27 2025-03-03	2026-03-26 2026-03-02
MXA Signal Analyzer	KEYSIGHT	N9020A	SEM004-22	2024-03-27 2025-03-04	2025-03-26 2026-03-03

General used equipment					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
Humidity/ Temperature Indicator	deli	8838	SEM002-32	2024-07-24	2025-07-23
Humidity/ Temperature Indicator	deli	8838	SEM002-33	2024-07-24	2025-07-23
Barometer	Changchun Meteorological Industry Factory	DYM3	SEM002-01	2024-03-18 2025-03-03	2025-03-17 2026-03-02



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6 Radio Spectrum Technical Requirement

6.1 Antenna Requirement

6.1.1 Test Requirement:

47 CFR Part 15, Subpart C 15.203

6.1.2 Conclusion

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 a External Antenna, and the connection port is integrated inside the product, and the antenna cannot be replaced.

5150MHz to 5250MHz: 1.14dBi(Ant1); 1.14dBi(Ant2); *

5250MHz to 5350MHz: 1.83dBi(Ant1); 1.83dBi(Ant2); *

5470MHz to 5725MHz: 3.18dBi(Ant1); 3.18dBi(Ant2); *

5725MHz to 5850MHz: 3.42dBi(Ant1); 3.42dBi(Ant2); *

**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.

6.2 Transmission in the Absence of Data

6.2.1 Test Requirement:

47 CFR Part 15, Subpart E 15.407 (c)

6.2.2 Conclusion

Standard Requirement:

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

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

EUT Details:

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



7 Radio Spectrum Matter Test Results

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

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

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

Limit:

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

*Decreases with the logarithm of the frequency.

7.1.1 E.U.T. Operation

Operating Environment:

Temperature: 22.5 °C

Humidity: 44.5 % RH

Atmospheric Pressure: 1020 mbar

7.1.2 Test Mode Description

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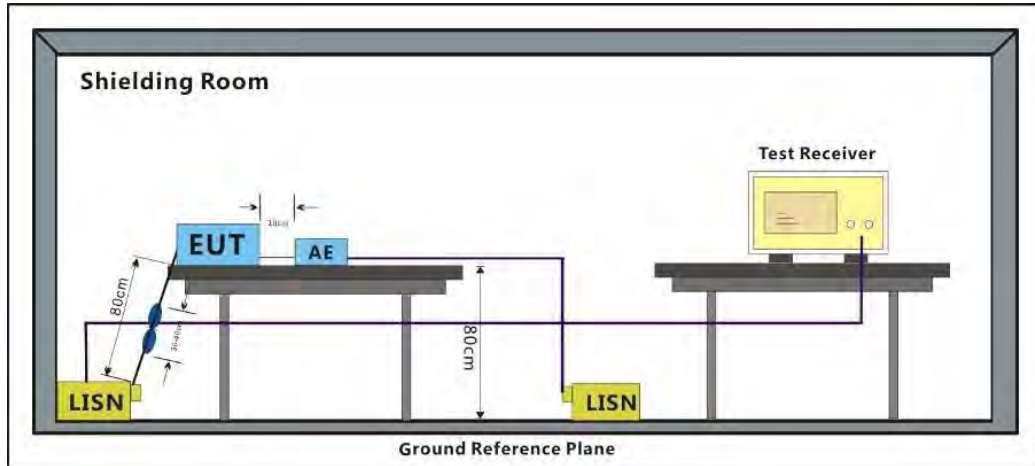
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recorded in the report.

7.1.3 Test Setup Diagram

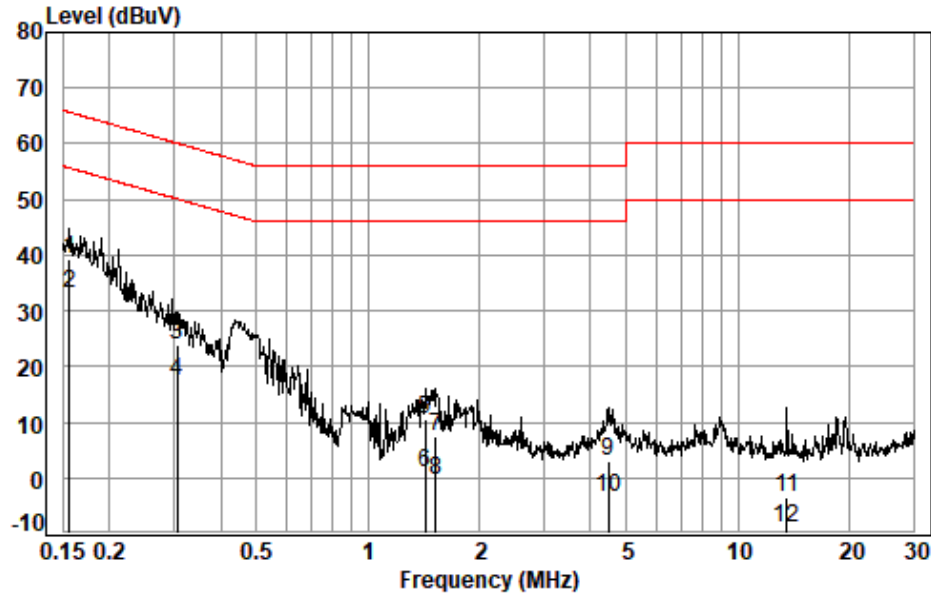


7.1.4 Measurement Procedure and Data

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

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

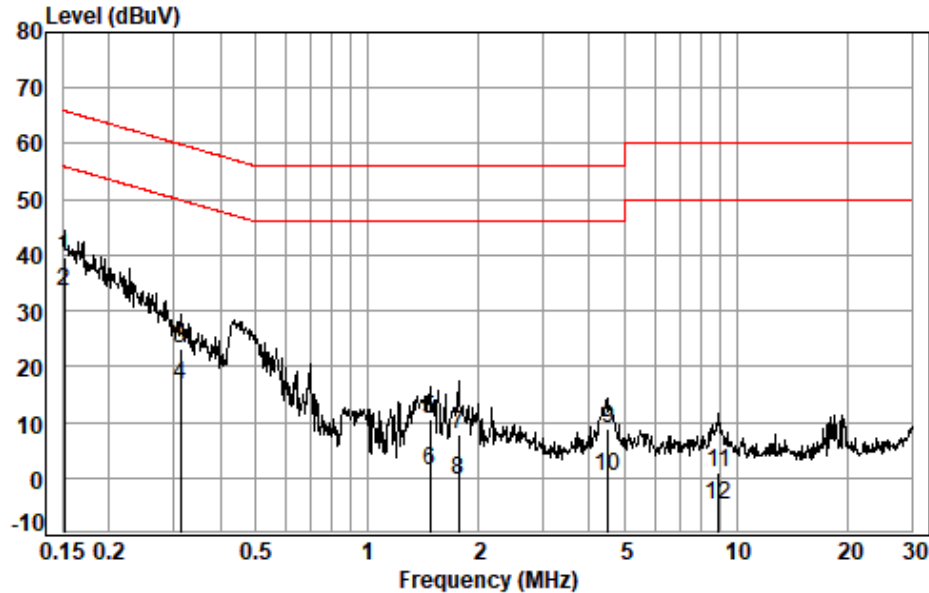
Test Mode: 09; Line: Live line



Site : Shielding Room
Condition: Line
Job No. : 04436M0
Test mode: 09

	Freq	Cable Loss	LISN Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB	dBuV	dBuV	dBuV	dB	
1 *	0.1565	0.06	10.18	29.03	39.27	65.65	-26.38	QP
2 *	0.1565	0.06	10.18	22.73	32.97	55.65	-22.68	Average
3	0.3051	0.07	9.84	13.82	23.73	60.10	-36.37	QP
4	0.3051	0.07	9.84	7.35	17.26	50.10	-32.84	Average
5	1.4333	0.10	9.58	0.74	10.42	56.00	-45.58	QP
6	1.4333	0.10	9.58	-8.67	1.01	46.00	-44.99	Average
7	1.5274	0.10	9.58	-2.25	7.43	56.00	-48.57	QP
8	1.5274	0.10	9.58	-10.09	-0.41	46.00	-46.41	Average
9	4.4777	0.12	9.66	-6.91	2.87	56.00	-53.13	QP
10	4.4777	0.12	9.66	-13.42	-3.64	46.00	-49.64	Average
11	13.5509	0.24	9.86	-13.57	-3.47	60.00	-63.47	QP
12	13.5509	0.24	9.86	-19.08	-8.98	50.00	-58.98	Average

Test Mode: 09; Line: Neutral Line



Site : Shielding Room
Condition: Neutral
Job No. : 04436M0
Test mode: 09

	Freq	Cable Loss	LISN Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB	dBuV	dBuV	dBuV	dB	
1 *	0.1516	0.06	10.15	29.52	39.73	65.91	-26.18	QP
2 *	0.1516	0.06	10.15	23.30	33.51	55.91	-22.40	Average
3	0.3133	0.07	9.76	13.44	23.27	59.88	-36.61	QP
4	0.3133	0.07	9.76	6.96	16.79	49.88	-33.09	Average
5	1.4796	0.10	9.55	1.01	10.66	56.00	-45.34	QP
6	1.4796	0.10	9.55	-8.49	1.16	46.00	-44.84	Average
7	1.7716	0.10	9.55	-1.99	7.66	56.00	-48.34	QP
8	1.7716	0.10	9.55	-10.01	-0.36	46.00	-46.36	Average
9	4.5015	0.12	9.56	-1.00	8.68	56.00	-47.32	QP
10	4.5015	0.12	9.56	-9.48	0.20	46.00	-45.80	Average
11	8.9637	0.19	9.60	-8.90	0.89	60.00	-59.11	QP
12	8.9637	0.19	9.60	-14.70	-4.91	50.00	-54.91	Average

7.2 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.

7.2.1 E.U.T. Operation

Operating Environment:

Temperature: 24.5 °C Humidity: 38.9 % 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, 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, 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



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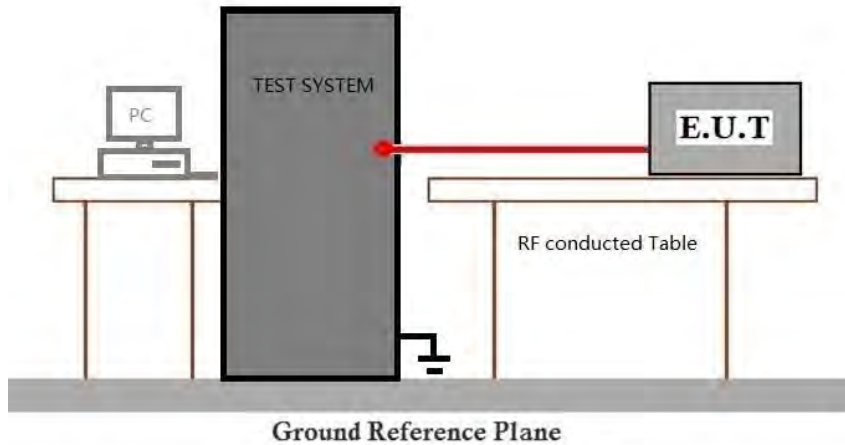
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		found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40/80, Only the data of worst case is recorded in the report.
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7.2.3 Test Setup Diagram



7.2.4 Measurement Procedure and Data

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

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7.3 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

7.3.1 E.U.T. Operation

Operating Environment:

Temperature: 20.2 °C

Humidity: 45.2 % RH

Atmospheric Pressure: 1020 mbar

7.3.2 Test Mode Description

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



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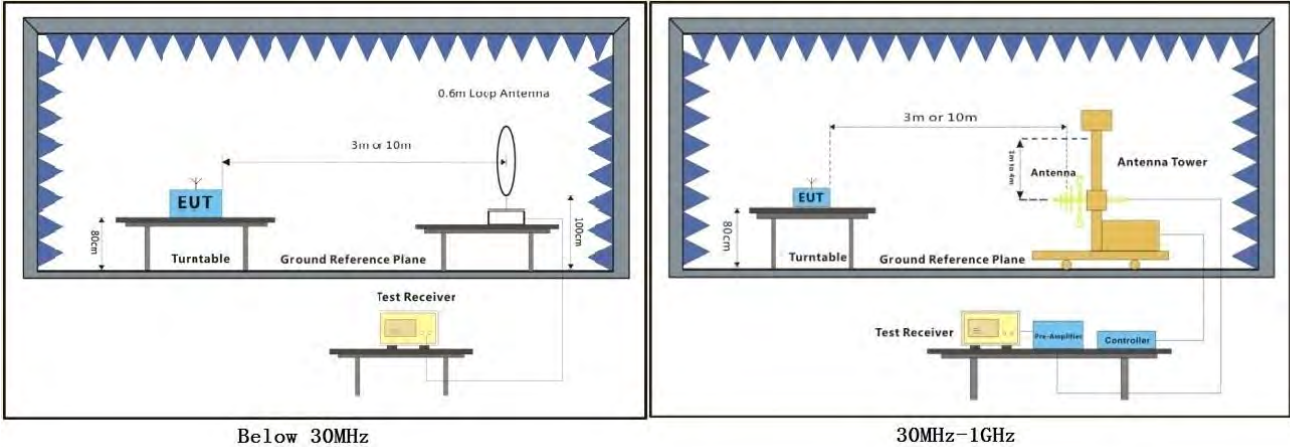
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		is the worst case of IEEE 802.11n/ac/ax 20/40/80, Only the data of worst case is recorded in the report.
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7.3.3 Test Setup Diagram



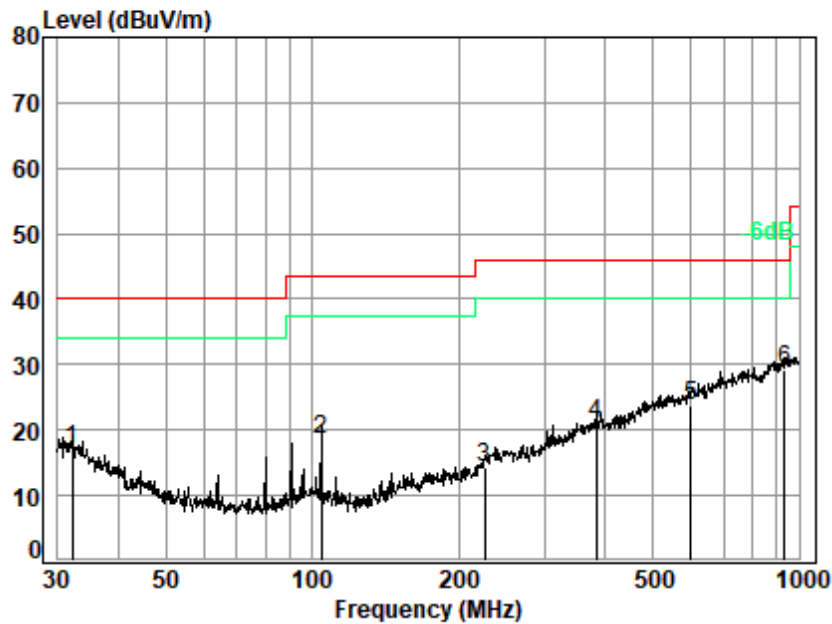
7.3.4 Measurement Procedure and Data

- 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.

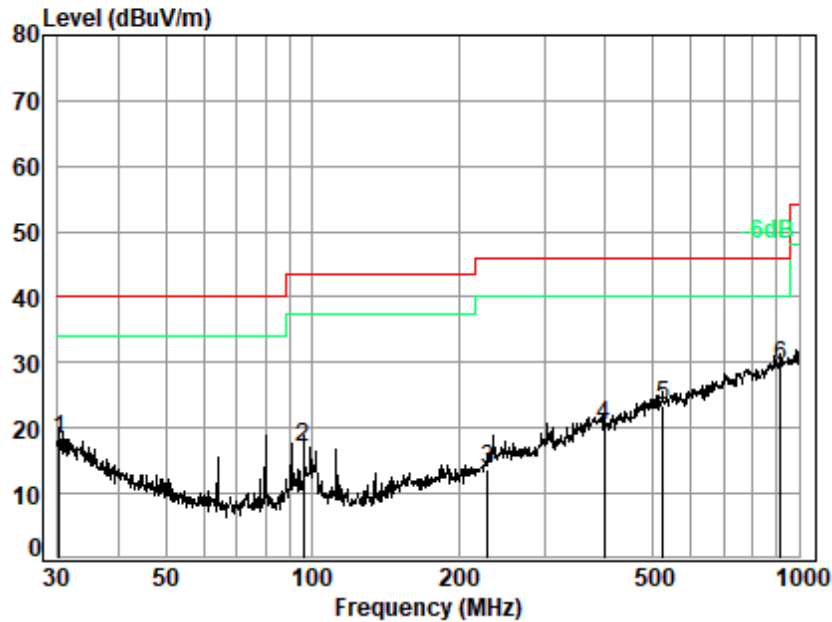
Test Mode: 09; Polarity: Horizontal



Site : chamber
Condition: 3m HORIZONTAL
Job No. : 04436MO/04437MO
Test Mode: 09/13

	Ant	Cable	Preamp	Read		Limit	Over	
	Freq	Factor	Loss	Factor	Level	Level	Line	Limit Remark
	MHz	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB
1	32.067	20.24	0.66	27.79	23.99	17.10	40.00	-22.90 QP
2	104.170	12.22	1.21	27.57	32.78	18.64	43.50	-24.86 QP
3	226.099	15.89	1.84	27.06	23.58	14.25	46.00	-31.75 QP
4	382.588	20.90	2.48	27.09	24.66	20.95	46.00	-25.05 QP
5	599.321	24.42	3.21	27.97	24.18	23.84	46.00	-22.16 QP
6 q	935.546	28.18	4.18	26.51	23.31	29.16	46.00	-16.84 QP

Test Mode: 09; Polarity: Vertical



Site : chamber

Condition: 3m VERTICAL

Job No. : 04436MO/04437MO

Test Mode: 09/13

	Ant	Cable	Preamp	Read		Limit	Over	
	Freq	Factor	Loss	Factor	Level	Level	Line	Limit Remark
	MHz	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB
1	30.211	21.10	0.64	27.79	24.16	18.11	40.00	-21.89 QP
2	96.099	12.17	1.17	27.60	31.20	16.94	43.50	-26.56 QP
3	229.293	16.35	1.86	27.05	22.59	13.75	46.00	-32.25 QP
4	397.633	20.65	2.54	27.15	24.31	20.35	46.00	-25.65 QP
5	524.554	23.24	2.97	27.66	24.98	23.53	46.00	-22.47 QP
6 q	916.069	28.06	4.13	26.65	23.82	29.36	46.00	-16.64 QP



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SZEMC-TRF-01 Rev. A/1

Report No.: SZCR241100443604

Page: 26 of 622

7.4 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

7.4.1 E.U.T. Operation

Operating Environment:

Temperature: 22.4 °C

Humidity: 58.9 % 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, 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, 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.



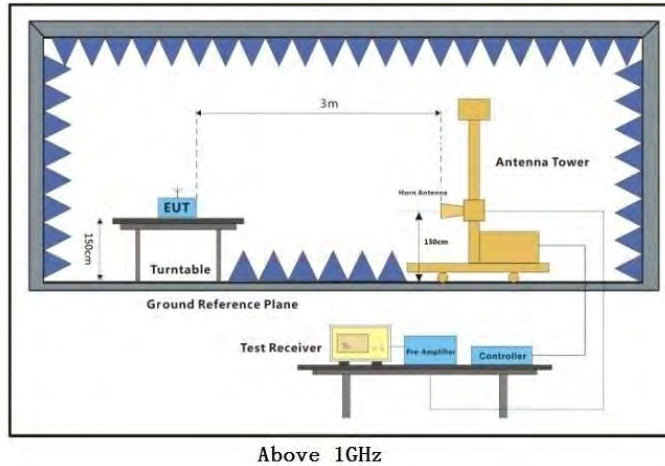
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7.4.3 Test Setup Diagram



7.4.4 Measurement Procedure and Data

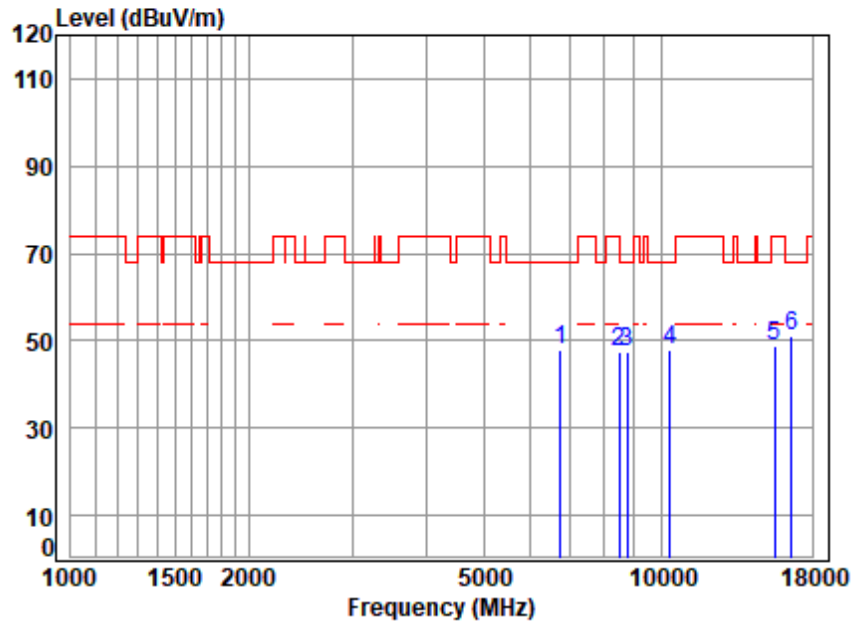
- a. For above 1GHz, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter fully-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which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

Remark:

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



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



Condition: 3m HORIZONTAL

Job No : 04436M0/04437M0

Mode : 5180 TX RSE

: 5G WIFI 11A

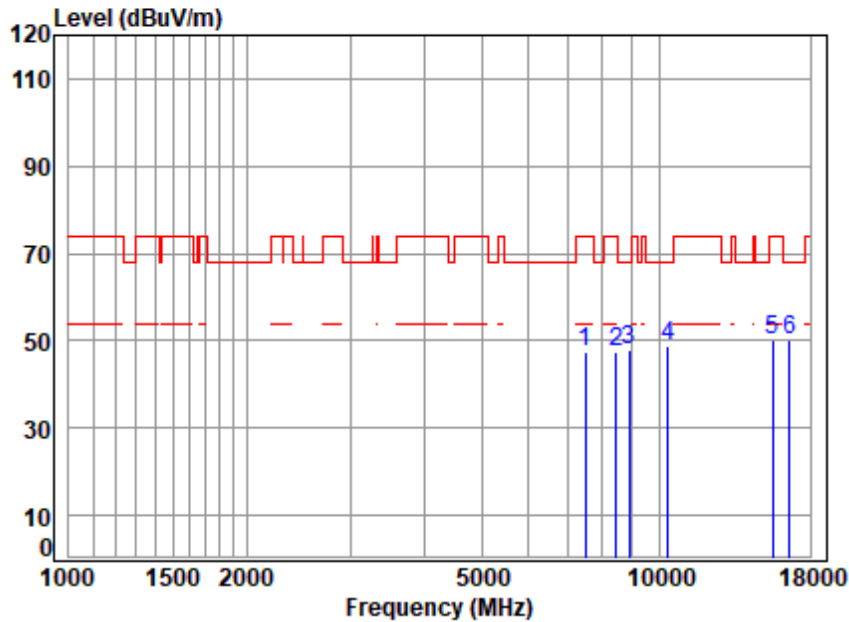
	Cable	Ant	Preamp	Read		Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	6749.641	11.39	35.70	56.75	57.43	47.77	68.20	-20.43 peak
2	8496.769	12.29	38.31	55.45	52.28	47.43	74.00	-26.57 peak
3	8760.413	12.19	38.50	55.22	52.12	47.59	68.20	-20.61 peak
4	10360.000	13.60	39.00	53.88	49.36	48.08	68.20	-20.12 peak
5	15540.000	17.00	38.56	54.14	47.61	49.03	74.00	-24.97 peak
6	pp16591.430	17.66	39.17	54.18	48.49	51.14	68.20	-17.06 peak



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



Condition: 3m VERTICAL

Job No : 04436M0/04437M0

Mode : 5180 TX RSE

: 5G WIFI 11A

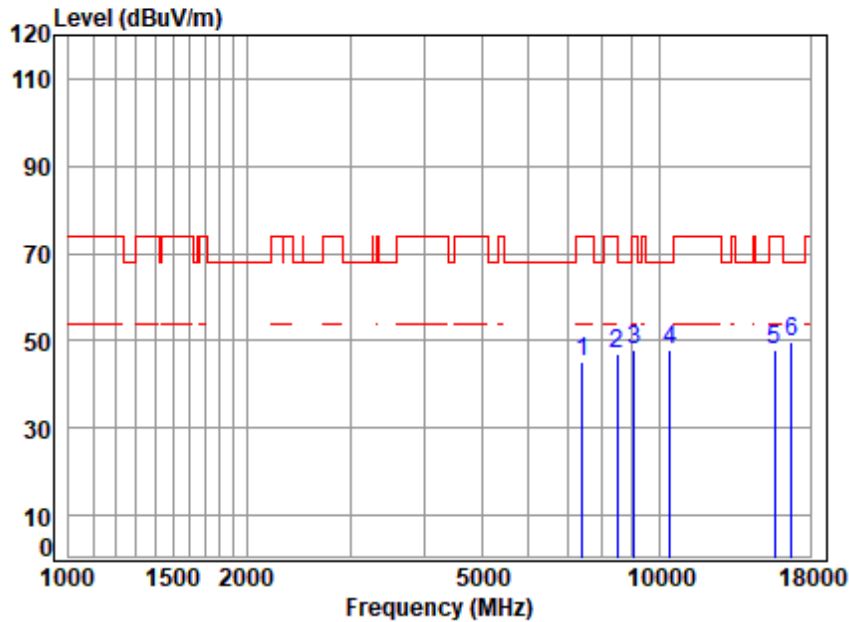
	Cable	Ant	Preamp	Read		Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	7488.611	11.26	36.80	56.31	55.71	47.46	74.00	-26.54 peak
2	8462.222	12.05	38.38	55.48	52.42	47.37	74.00	-26.63 peak
3	8877.185	12.23	38.55	55.11	52.12	47.79	68.20	-20.41 peak
4	10360.000	13.60	39.00	53.88	50.04	48.76	68.20	-19.44 peak
5	15540.000	17.00	38.56	54.14	48.89	50.31	74.00	-23.69 peak
6	pp16642.210	17.62	39.28	54.19	47.64	50.35	68.20	-17.85 peak



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



Condition: 3m HORIZONTAL

Job No : 04436MO/04437MO

Mode : 5220 TX RSE

: 5G WIFI 11A

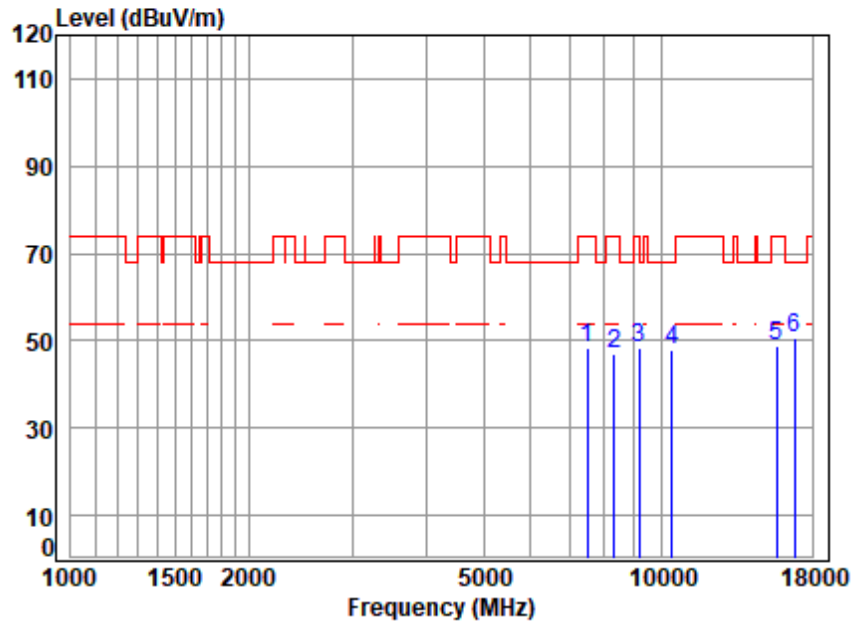
	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	7397.636	11.50	36.70	56.38	53.26	45.08	74.00 -28.92 peak
2	8488.119	12.23	38.32	55.46	51.69	46.78	74.00 -27.22 peak
3	9050.656	12.13	38.60	54.95	52.22	48.00	74.00 -26.00 peak
4	10440.000	13.63	39.04	53.84	48.86	47.69	68.20 -20.51 peak
5	15660.000	17.23	38.56	54.10	46.42	48.11	74.00 -25.89 peak
6	pp16727.180	17.55	39.45	54.22	46.94	49.72	68.20 -18.48 peak



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



Condition: 3m VERTICAL

Job No : 04436M0/04437M0

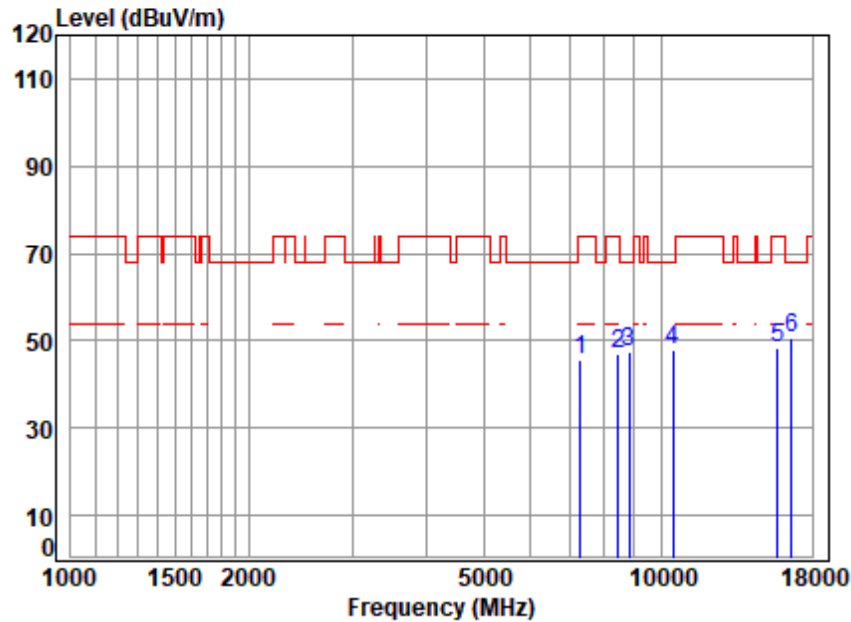
Mode : 5220 TX RSE

: 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	7496.243	11.24	36.80	56.30	56.67	48.41	74.00 -25.59 peak
2	8333.913	11.72	38.44	55.60	52.47	47.03	74.00 -26.97 peak
3	9171.297	12.26	38.27	54.85	52.54	48.22	74.00 -25.78 peak
4	10440.000	13.63	39.04	53.84	48.87	47.70	68.20 -20.50 peak
5	15660.000	17.23	38.56	54.10	47.13	48.82	74.00 -25.18 peak
6	pp16778.370	17.49	39.56	54.23	47.74	50.56	68.20 -17.64 peak



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



Condition: 3m HORIZONTAL

Job No : 04436M0/04437M0

Mode : 5240 TX RSE

: 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	7292.895	11.51	36.69	56.47	53.74	45.47	74.00 -28.53 peak
2	8453.606	11.99	38.39	55.49	51.97	46.86	74.00 -27.14 peak
3	8805.143	12.25	38.50	55.18	51.82	47.39	68.20 -20.81 peak
4	10480.000	13.64	39.08	53.81	48.82	47.73	68.20 -20.47 peak
5	15720.000	17.22	38.58	54.08	46.62	48.34	74.00 -25.66 peak
6	pp16642.210	17.62	39.28	54.19	47.88	50.59	68.20 -17.61 peak



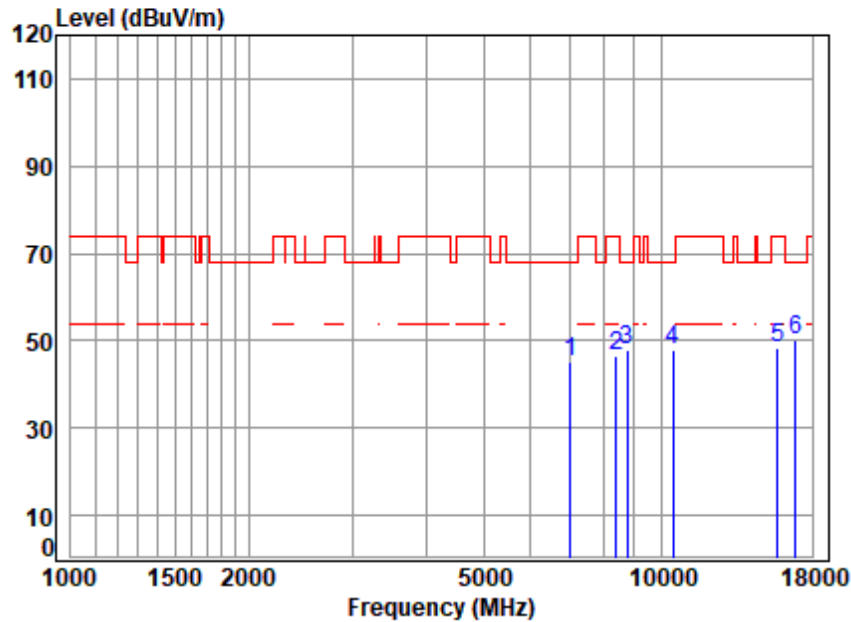
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SZEMC-TRF-01 Rev. A/1

Report No.: SZCR241100443604

Page: 34 of 622

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



Condition: 3m VERTICAL

Job No : 04436M0/04437M0

Mode : 5240 TX RSE

: 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	7023.162	11.51	36.25	56.68	54.28	45.36	68.20 -22.84 peak
2	8385.002	11.65	38.63	55.55	51.87	46.60	74.00 -27.40 peak
3	8742.585	12.16	38.51	55.23	52.68	48.12	68.20 -20.08 peak
4	10480.000	13.64	39.08	53.81	48.78	47.69	68.20 -20.51 peak
5	15720.000	17.22	38.58	54.08	46.65	48.37	74.00 -25.63 peak
6	pp16846.870	17.80	39.60	54.25	47.26	50.41	68.20 -17.79 peak



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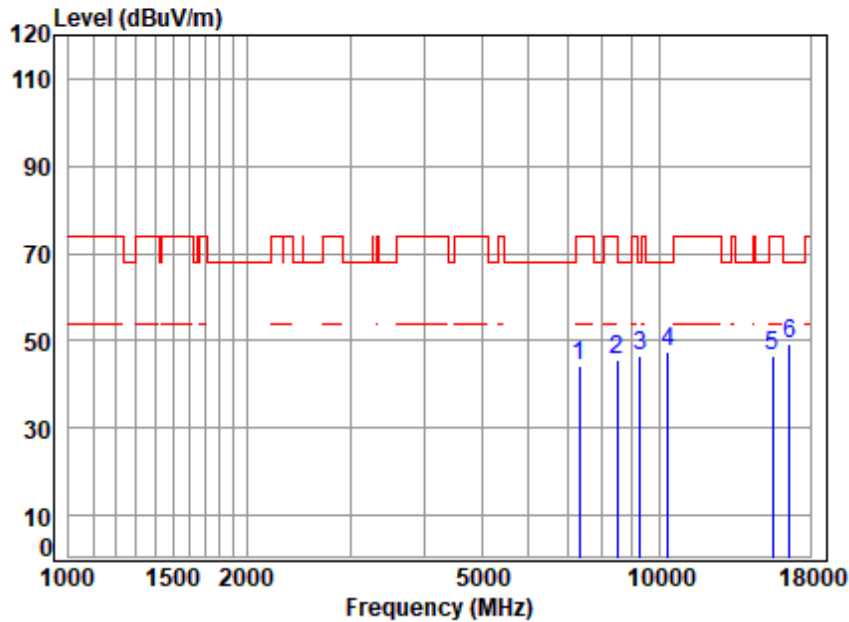
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SZEMC-TRF-01 Rev. A/1

Report No.: SZCR241100443604

Page: 35 of 622

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



Condition: 3m HORIZONTAL

Job No : 04436MO/04437MO

Mode : 5180 TX RSE

: 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	7315.214	11.51	36.73	56.45	52.31	44.10	74.00	-29.90 peak
2	8470.845	12.11	38.36	55.48	50.74	45.73	74.00	-28.27 peak
3	9265.190	12.22	38.03	54.76	50.93	46.42	68.20	-21.78 peak
4	10360.000	13.60	39.00	53.88	48.94	47.66	68.20	-20.54 peak
5	15540.000	17.00	38.56	54.14	44.92	46.34	74.00	-27.66 peak
6	pp16591.430	17.66	39.17	54.18	46.58	49.23	68.20	-18.97 peak



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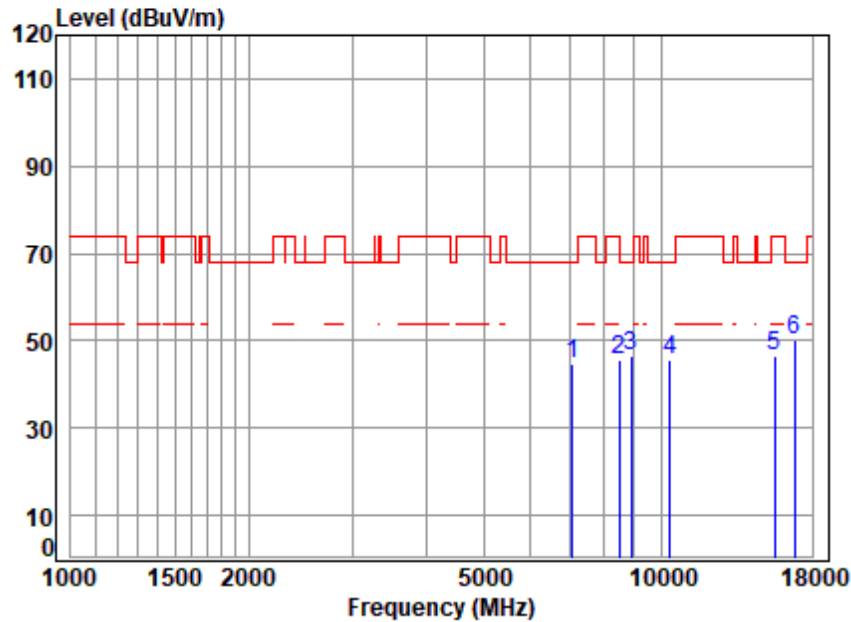
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Report No.: SZCR241100443604

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



Condition: 3m VERTICAL

Job No : 04436M0/04437M0

Mode : 5180 TX RSE

: 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	7080.624	11.87	36.36	56.64	53.19	44.78	68.20	-23.42 peak
2	8479.478	12.17	38.34	55.47	50.40	45.44	74.00	-28.56 peak
3	8886.231	12.22	38.57	55.10	51.05	46.74	68.20	-21.46 peak
4	10360.000	13.60	39.00	53.88	46.75	45.47	68.20	-22.73 peak
5	15540.000	17.00	38.56	54.14	44.98	46.40	74.00	-27.60 peak
6	pp16778.370	17.49	39.56	54.23	47.16	49.98	68.20	-18.22 peak



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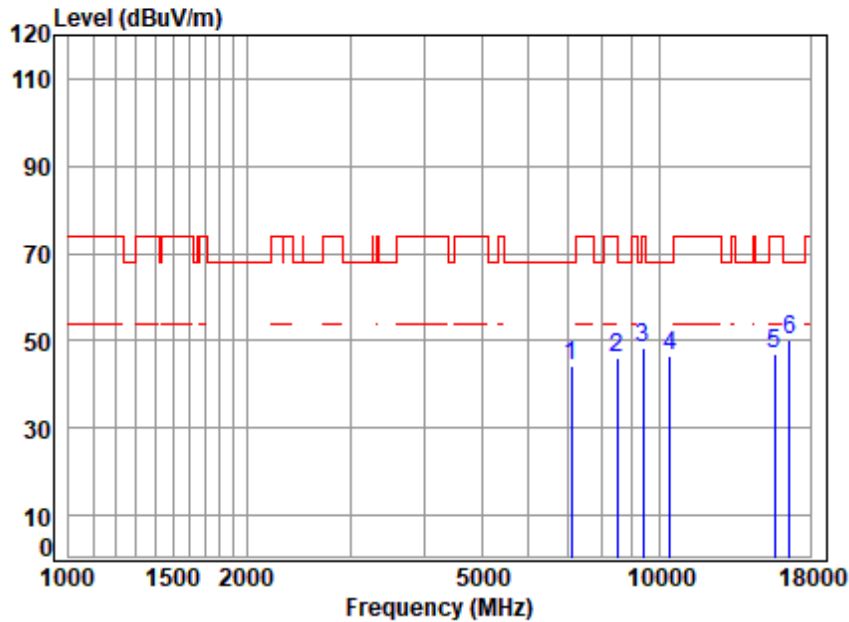
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SZEMC-TRF-01 Rev. A/1

Report No.: SZCR241100443604

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



Condition: 3m HORIZONTAL

Job No : 04436MO/04437MO

Mode : 5220 TX RSE

: 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	7102.293	11.98	36.40	56.62	52.60	44.36	68.20	-23.84 peak
2	8488.119	12.23	38.32	55.46	50.83	45.92	74.00	-28.08 peak
3	9369.584	12.26	38.80	54.67	51.81	48.20	74.00	-25.80 peak
4	10440.000	13.63	39.04	53.84	47.54	46.37	68.20	-21.83 peak
5	15660.000	17.23	38.56	54.10	45.38	47.07	74.00	-26.93 peak
6	pp16608.340	17.64	39.22	54.18	47.36	50.04	68.20	-18.16 peak



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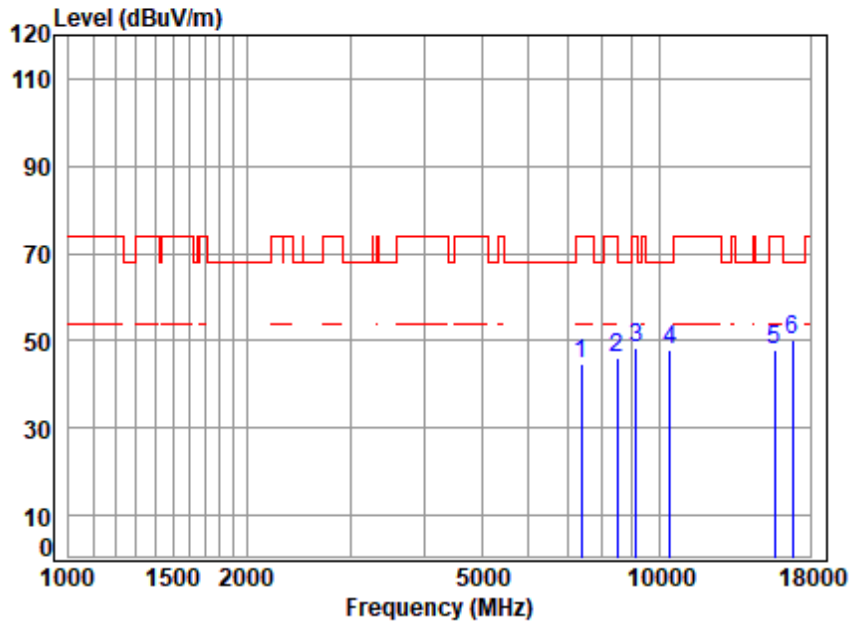
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SZEMC-TRF-01 Rev. A/1

Report No.: SZCR241100443604

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



Condition: 3m VERTICAL

Job No : 04436M0/04437M0

Mode : 5220 TX RSE

: 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	7375.065	11.50	36.75	56.40	52.96	44.81	74.00 -29.19 peak
2	8479.478	12.17	38.34	55.47	51.11	46.15	74.00 -27.85 peak
3	9124.708	12.17	38.65	54.89	52.34	48.27	74.00 -25.73 peak
4	10440.000	13.63	39.04	53.84	48.97	47.80	68.20 -20.40 peak
5	15660.000	17.23	38.56	54.10	46.44	48.13	74.00 -25.87 peak
6	pp16812.580	17.55	39.60	54.24	47.31	50.22	68.20 -17.98 peak



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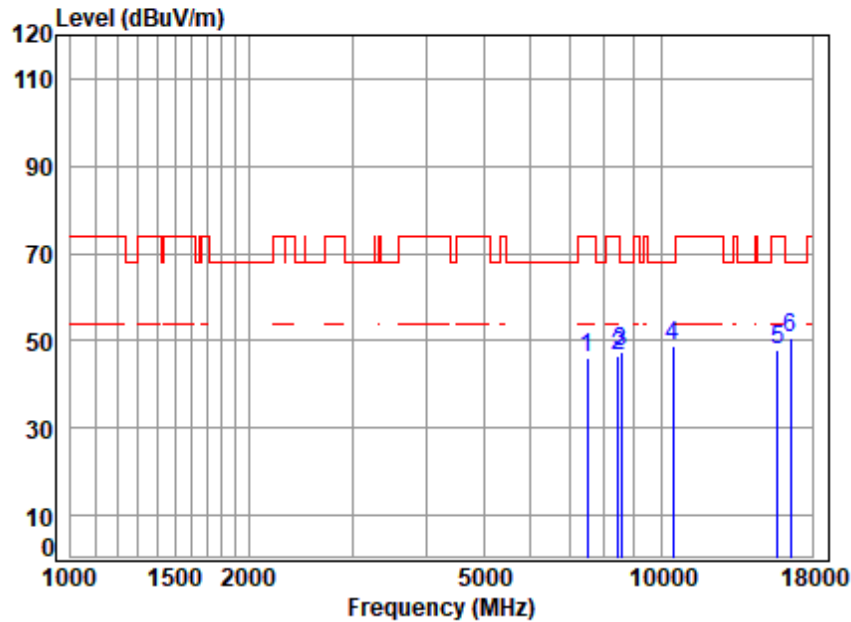
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SZEMC-TRF-01 Rev. A/1

Report No.: SZCR241100443604

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



Condition: 3m HORIZONTAL

Job No : 04436MO/04437MO

Mode : 5240 TX RSE

: 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	7496.243	11.24	36.80	56.30	54.41	46.15	74.00	-27.85 peak
2	8462.222	12.05	38.38	55.48	51.73	46.68	74.00	-27.32 peak
3	8557.567	12.11	38.33	55.40	52.38	47.42	68.20	-20.78 peak
4	10480.000	13.64	39.08	53.81	49.87	48.78	68.20	-19.42 peak
5	15720.000	17.22	38.58	54.08	46.16	47.88	74.00	-26.12 peak
6	pp16574.540	17.67	39.12	54.17	48.07	50.69	68.20	-17.51 peak



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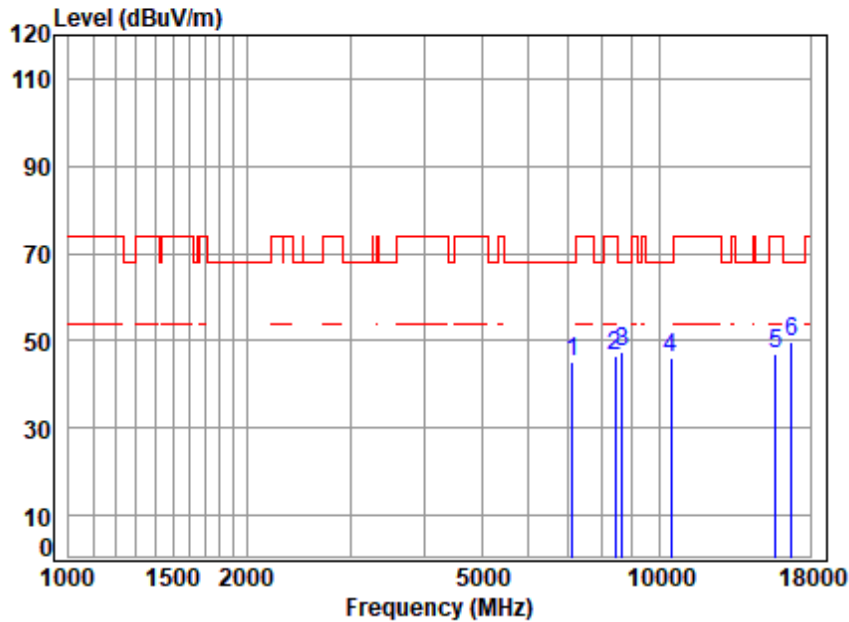
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SZEMC-TRF-01 Rev. A/1

Report No.: SZCR241100443604

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



Condition: 3m VERTICAL

Job No : 04436M0/04437M0

Mode : 5240 TX RSE

: 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	7116.776	11.91	36.43	56.61	53.41	45.14	68.20	-23.06 peak
2	8419.234	11.76	38.52	55.52	51.88	46.64	74.00	-27.36 peak
3	8662.807	12.04	38.45	55.30	52.46	47.65	68.20	-20.55 peak
4	10480.000	13.64	39.08	53.81	47.25	46.16	68.20	-22.04 peak
5	15720.000	17.22	38.58	54.08	45.11	46.83	74.00	-27.17 peak
6	pp16761.290	17.51	39.52	54.23	46.98	49.78	68.20	-18.42 peak



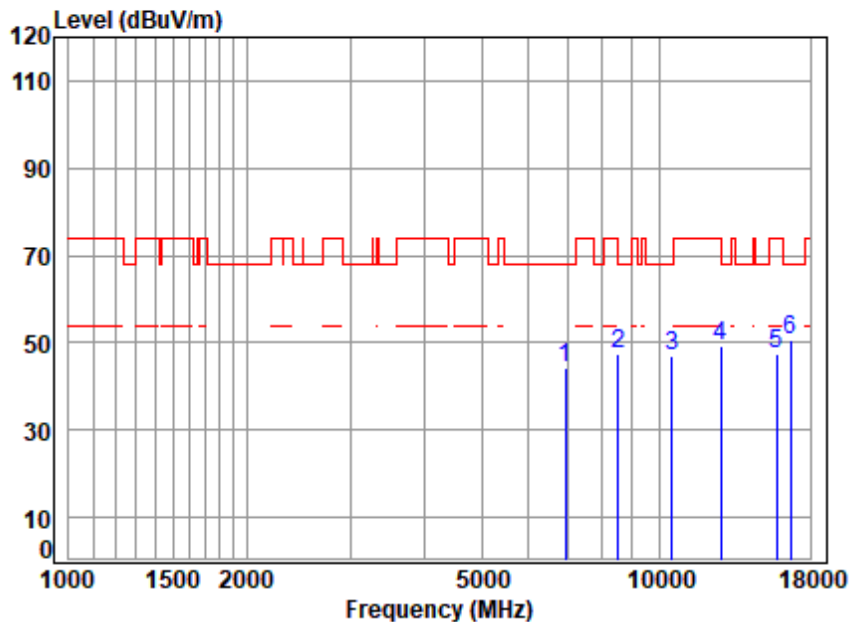
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Test Mode: 10; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Condition: 3m HORIZONTAL

Job No : 04436M0/04437M0

Mode : 5260 TX RSE

: 5G WIFI 11A

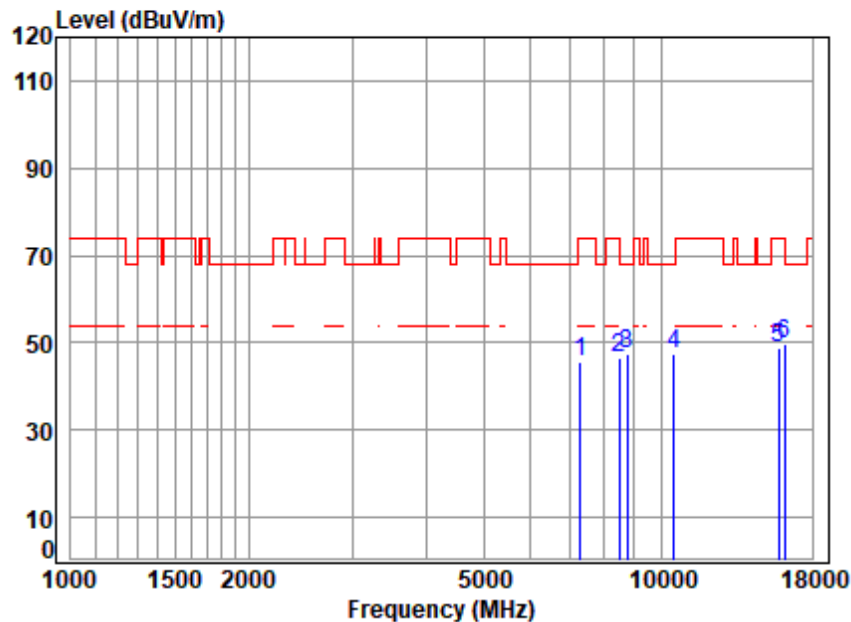
	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	6930.778	11.37	36.14	56.71	53.69	44.49	68.20 -23.71 peak
2	8505.428	12.29	38.30	55.45	52.19	47.33	68.20 -20.87 peak
3	10520.000	13.63	39.14	53.79	48.19	47.17	68.20 -21.03 peak
4	12705.320	15.56	40.21	54.29	47.99	49.47	68.20 -18.73 Peak
5	15780.000	17.08	38.52	54.07	45.76	47.29	74.00 -26.71 peak
6	pp16693.140	17.59	39.39	54.21	47.99	50.76	68.20 -17.44 peak



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



Condition: 3m VERTICAL

Job No : 04436M0/04437M0

Mode : 5260 TX RSE

: 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	7292.895	11.51	36.69	56.47	53.98	45.71	74.00 -28.29 peak
2	8488.119	12.23	38.32	55.46	51.33	46.42	74.00 -27.58 peak
3	8742.585	12.16	38.51	55.23	52.02	47.46	68.20 -20.74 peak
4	pp10520.000	13.63	39.14	53.79	48.60	47.58	68.20 -20.62 peak
5	15780.000	17.08	38.52	54.07	47.07	48.60	74.00 -25.40 peak
6	16190.760	17.19	38.50	54.06	48.22	49.85	74.00 -24.15 peak



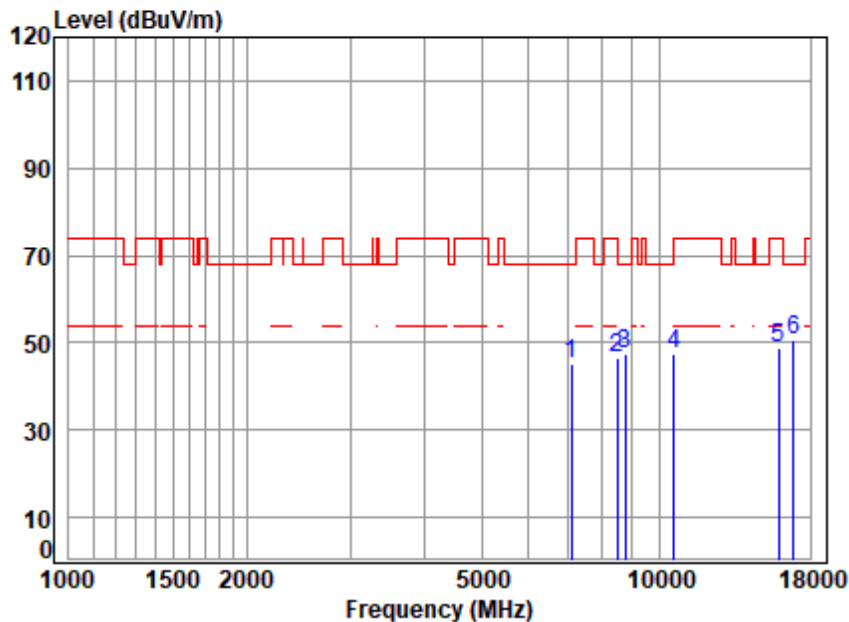
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Test Mode: 10; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:middle



Condition: 3m HORIZONTAL

Job No : 04436M0/04437M0

Mode : 5300 TX RSE

: 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	7102.293	11.98	36.40	56.62	53.55	45.31	68.20	-22.89	peak
2	8479.478	12.17	38.34	55.47	51.56	46.60	74.00	-27.40	peak
3	8769.341	12.20	38.50	55.21	52.10	47.59	68.20	-20.61	peak
4	10600.000	13.59	39.30	53.74	48.43	47.58	68.20	-20.62	peak
5	15900.000	17.28	38.70	54.03	46.87	48.82	74.00	-25.18	peak
6	pp16846.870	17.80	39.60	54.25	47.32	50.47	68.20	-17.73	peak



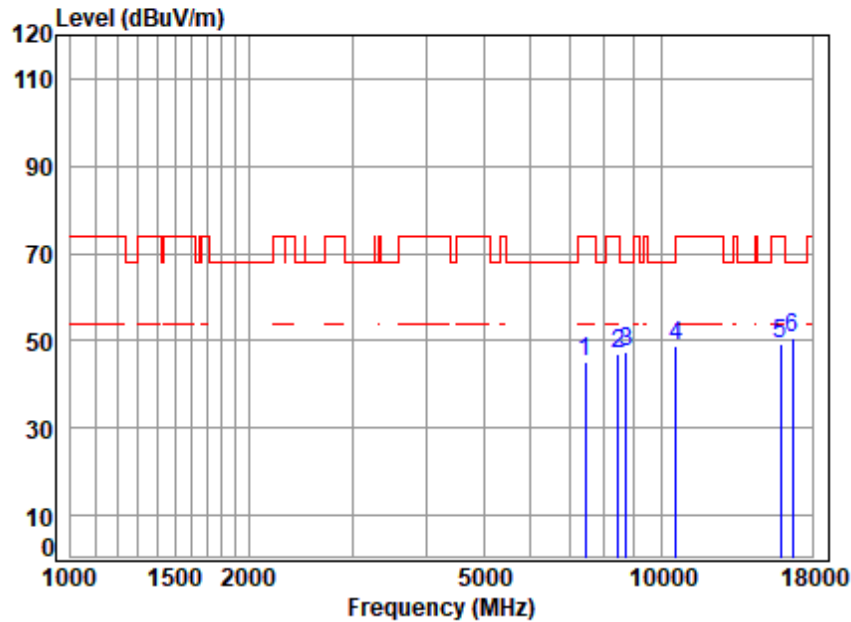
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Test Mode: 10; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:middle



Condition: 3m VERTICAL

Job No : 04436M0/04437M0

Mode : 5300 TX RSE

: 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	7442.985	11.38	36.79	56.35	53.50	45.32	74.00 -28.68 peak
2	8462.222	12.05	38.38	55.48	51.88	46.83	74.00 -27.17 peak
3	8724.793	12.13	38.55	55.25	52.22	47.65	68.20 -20.55 peak
4	10600.000	13.59	39.30	53.74	49.66	48.81	68.20 -19.39 peak
5	15900.000	17.28	38.70	54.03	47.46	49.41	74.00 -24.59 peak
6	pp16676.140	17.60	39.35	54.20	47.69	50.44	68.20 -17.76 peak



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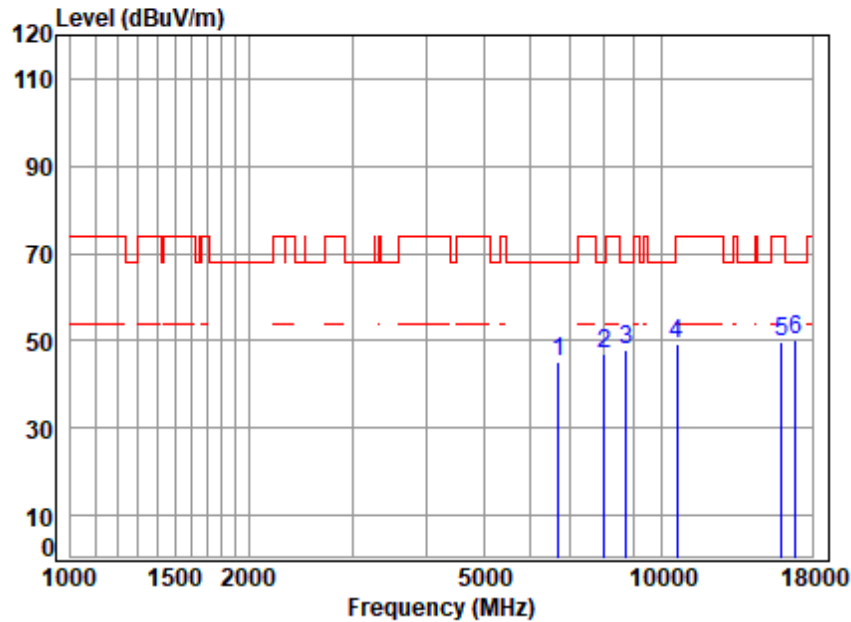
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Report No.: SZCR241100443604

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



Condition: 3m HORIZONTAL

Job No : 04436M0/04437M0

Mode : 5320 TX RSE

: 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	6694.864	11.42	35.41	56.76	55.19	45.26	68.20	-22.94 peak
2	7993.045	11.56	37.79	55.91	53.67	47.11	68.20	-21.09 peak
3	8707.038	12.10	38.59	55.26	52.59	48.02	68.20	-20.18 peak
4	10640.000	13.77	39.34	53.72	49.84	49.23	74.00	-24.77 peak
5	15960.000	17.20	38.64	54.01	47.68	49.51	74.00	-24.49 peak
6	pp16898.430	18.17	39.60	54.27	46.88	50.38	68.20	-17.82 peak



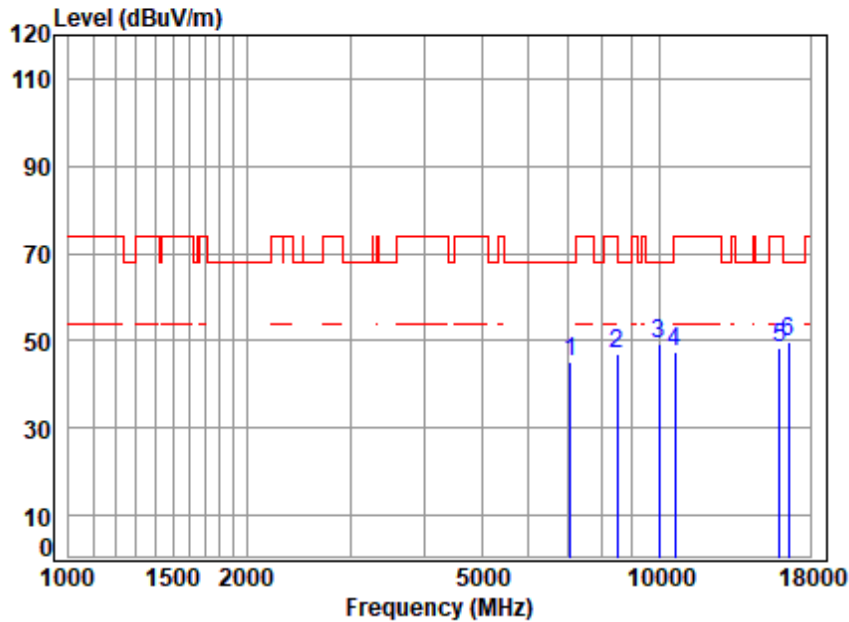
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Test Mode: 10; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Condition: 3m VERTICAL

Job No : 04436M0/04437M0

Mode : 5320 TX RSE

: 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	7080.624	11.87	36.36	56.64	53.67	45.26	68.20	-22.94 peak
2	8488.119	12.23	38.32	55.46	51.82	46.91	74.00	-27.09 peak
3	9990.539	12.99	38.90	54.11	51.57	49.35	68.20	-18.85 peak
4	10640.000	13.77	39.34	53.72	47.85	47.24	74.00	-26.76 peak
5	15960.000	17.20	38.64	54.01	46.67	48.50	74.00	-25.50 peak
6	pp16557.660	17.69	39.07	54.17	47.24	49.83	68.20	-18.37 peak



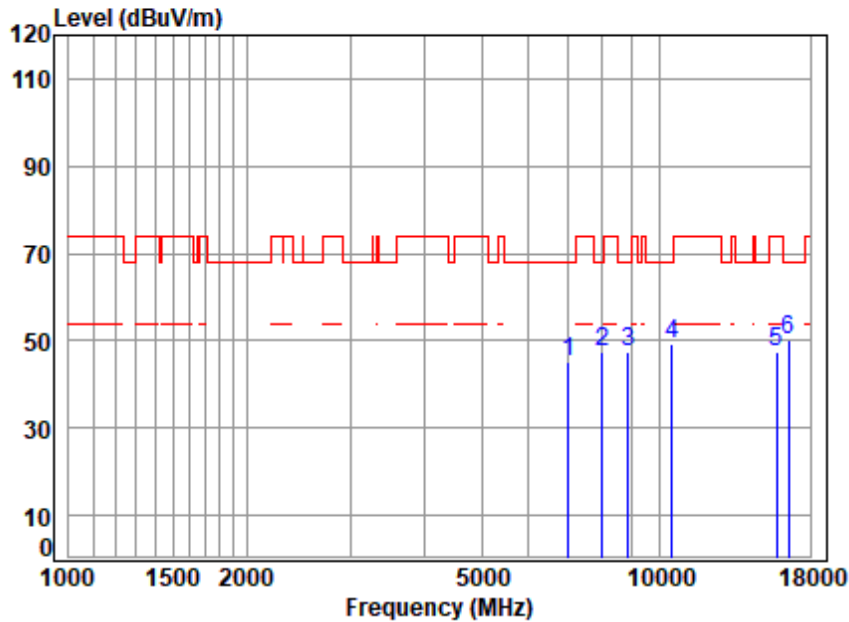
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Test Mode: 10; Polarity: Horizontal; Modulation: 802.11ax(Full RU0); Bandwidth: 20MHz; Channel: Low



Condition: 3m HORIZONTAL

Job No : 04436M0/04437M0

Mode : 5260 TX RSE

: 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	7008.869	11.42	36.22	56.69	54.43	45.38	68.20	-22.82 peak
2	7993.045	11.56	37.79	55.91	54.18	47.62	68.20	-20.58 peak
3	8868.147	12.23	38.54	55.12	51.97	47.62	68.20	-20.58 peak
4	10520.000	13.63	39.14	53.79	50.17	49.15	68.20	-19.05 peak
5	15780.000	17.08	38.52	54.07	45.99	47.52	74.00	-26.48 peak
6	pp16523.970	17.72	38.97	54.16	47.72	50.25	68.20	-17.95 peak



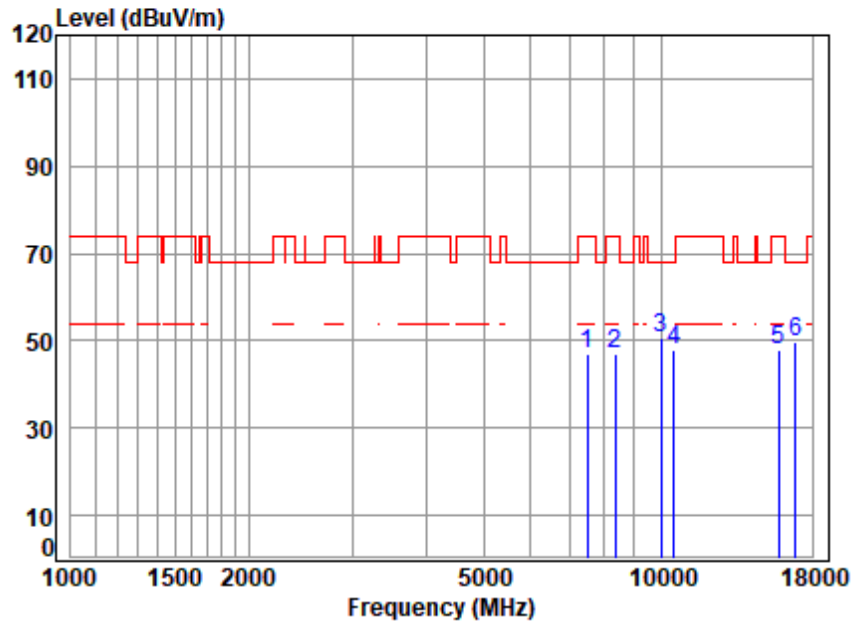
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Test Mode: 10; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:Low



Condition: 3m VERTICAL

Job No : 04436M0/04437M0

Mode : 5260 TX RSE

: 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	7488.611	11.26	36.80	56.31	55.06	46.81	74.00	-27.19 peak
2	8342.406	11.70	38.58	55.59	52.18	46.87	74.00	-27.13 peak
3 pp	9980.368	12.97	38.90	54.12	52.73	50.48	68.20	-17.72 peak
4	10520.000	13.63	39.14	53.79	49.12	48.10	68.20	-20.10 peak
5	15780.000	17.08	38.52	54.07	46.47	48.00	74.00	-26.00 peak
6	16864.040	17.92	39.60	54.26	46.69	49.95	68.20	-18.25 peak



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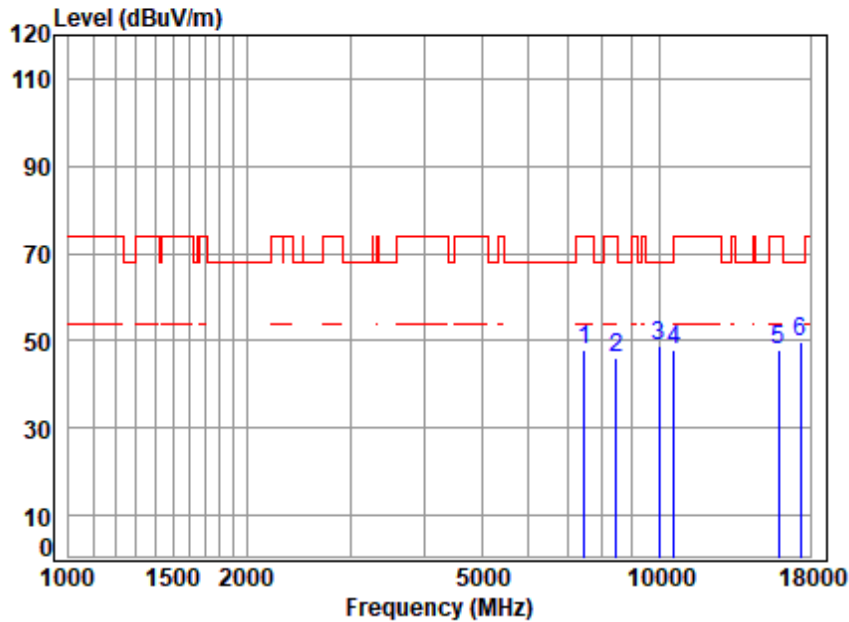
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Test Mode: 10; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:middle



Condition: 3m HORIZONTAL

Job No : 04436MO/04437MO

Mode : 5300 TX RSE

: 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	7473.371	11.30	36.80	56.32	56.32	48.10	74.00	-25.90 peak
2	8462.222	12.05	38.38	55.48	51.10	46.05	74.00	-27.95 peak
3	9970.208	12.95	38.90	54.13	51.23	48.95	68.20	-19.25 peak
4	10600.000	13.59	39.30	53.74	48.94	48.09	68.20	-20.11 peak
5	15900.000	17.28	38.70	54.03	46.00	47.95	74.00	-26.05 peak
6	pp17334.260	17.94	40.27	54.37	46.02	49.86	68.20	-18.34 Peak



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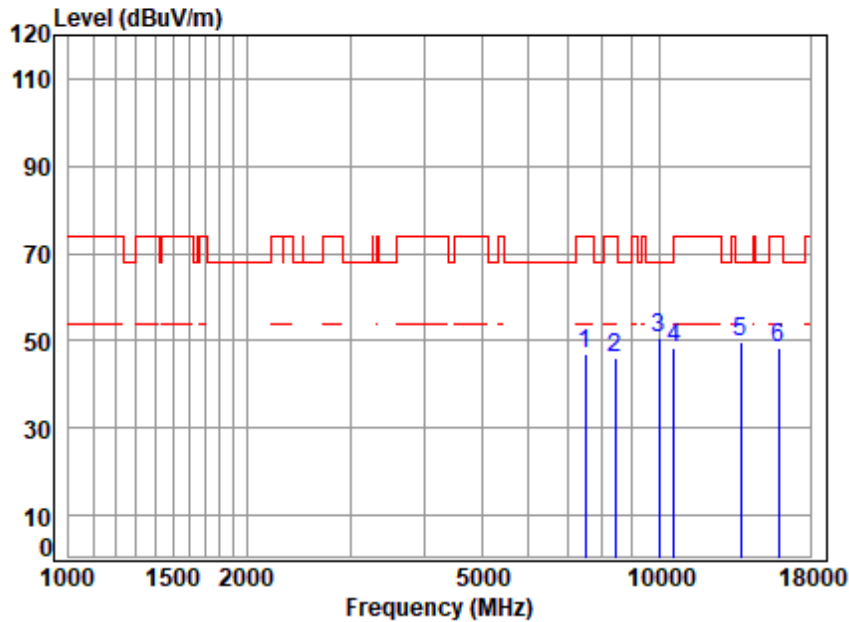
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Test Mode: 10; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:middle



Condition: 3m VERTICAL

Job No : 04436M0/04437M0

Mode : 5300 TX RSE

: 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	7496.243	11.24	36.80	56.30	55.08	46.82	74.00	-27.18 peak
2	8427.813	11.82	38.49	55.51	51.10	45.90	74.00	-28.10 peak
3 pp	9970.208	12.95	38.90	54.13	52.83	50.55	68.20	-17.65 peak
4	10600.000	13.59	39.30	53.74	49.01	48.16	68.20	-20.04 peak
5	13727.930	16.28	39.97	54.43	48.13	49.95	68.20	-18.25 Peak
6	15900.000	17.28	38.70	54.03	46.29	48.24	74.00	-25.76 peak



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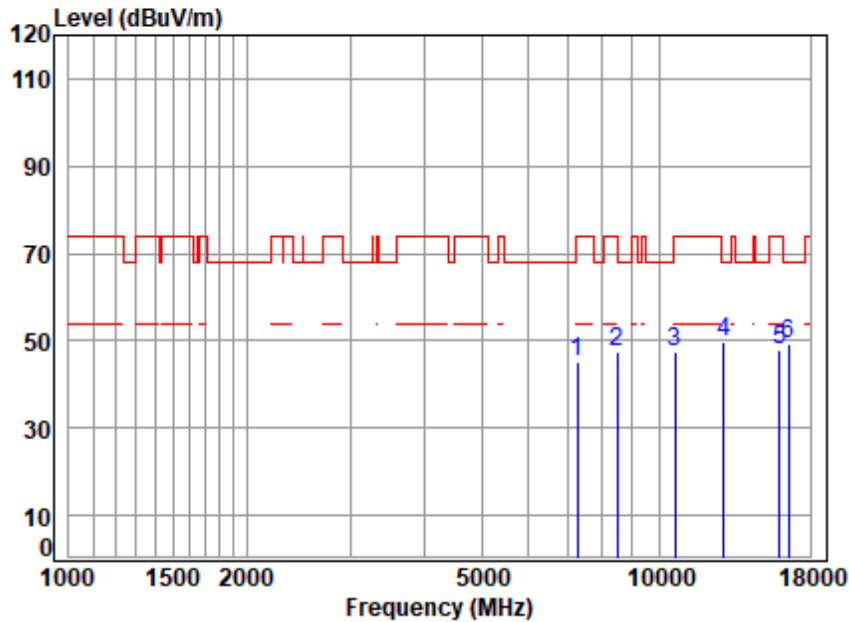
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Test Mode: 10; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:High



Condition: 3m HORIZONTAL

Job No : 04436M0/04437M0

Mode : 5320 TX RSE

: 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	7263.242	11.51	36.63	56.49	53.37	45.02	74.00	-28.98 peak
2	8496.769	12.29	38.31	55.45	52.51	47.66	74.00	-26.34 peak
3	10640.000	13.77	39.34	53.72	48.15	47.54	74.00	-26.46 peak
4	pp12874.680	15.70	40.37	54.41	48.01	49.67	68.20	-18.53 Peak
5	15960.000	17.20	38.64	54.01	46.27	48.10	74.00	-25.90 peak
6	16574.540	17.67	39.12	54.17	46.78	49.40	68.20	-18.80 peak



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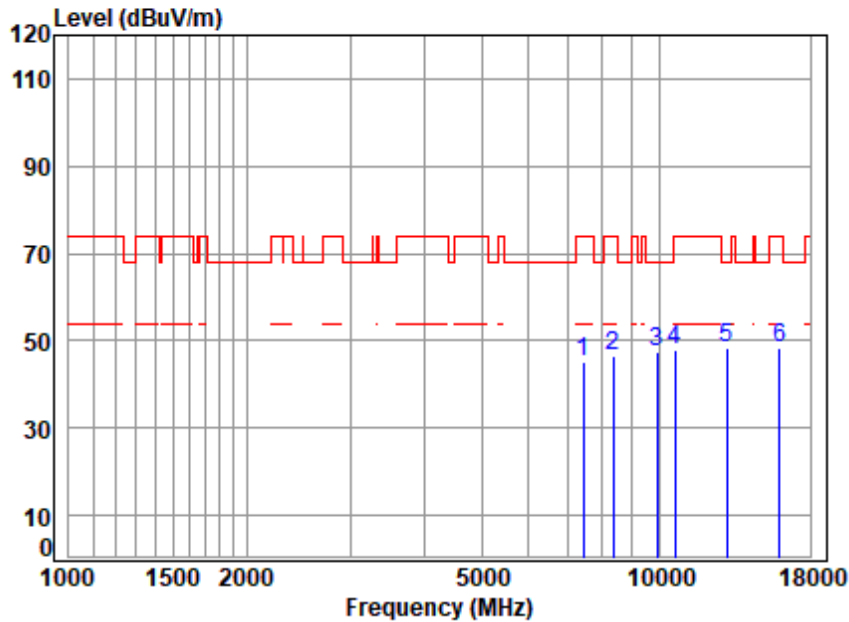
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Test Mode: 10; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:High



Condition: 3m VERTICAL

Job No : 04436M0/04437M0

Mode : 5320 TX RSE

: 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	7427.838	11.42	36.76	56.36	53.29	45.11	74.00	-28.89 peak
2	8342.406	11.70	38.58	55.59	51.79	46.48	74.00	-27.52 peak
3	9919.560	12.84	38.90	54.17	49.93	47.50	68.20	-20.70 peak
4	10640.000	13.77	39.34	53.72	48.65	48.04	74.00	-25.96 peak
5	pp12993.240	15.88	40.31	54.50	46.86	48.55	68.20	-19.65 Peak
6	15960.000	17.20	38.64	54.01	46.70	48.53	74.00	-25.47 peak



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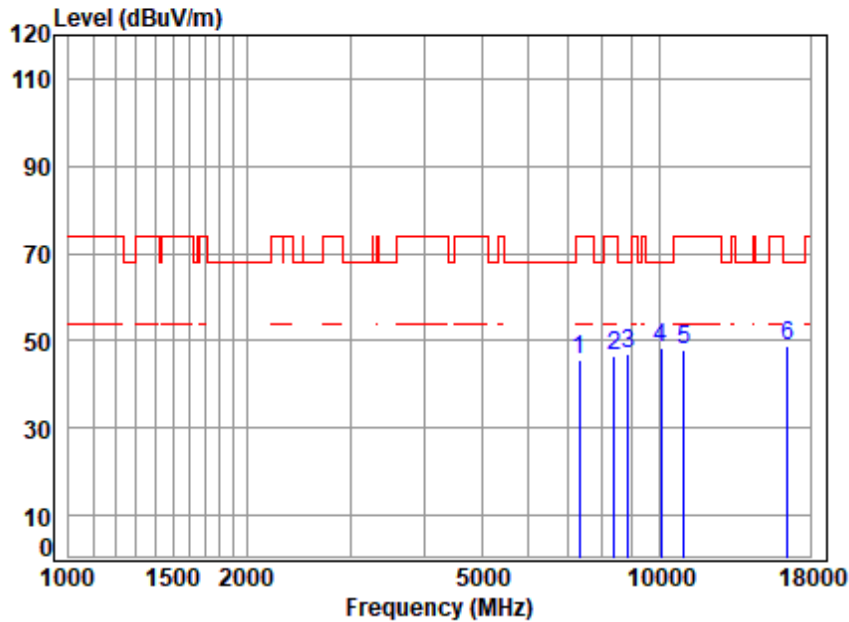
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Test Mode: 11; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Condition: 3m HORIZONTAL

Job No : 04436M0/04437M0

Mode : 5500 TX RSE

: 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	7330.131	11.51	36.76	56.44	53.58	45.41	74.00	-28.59 peak
2	8393.547	11.64	38.61	55.55	52.05	46.75	74.00	-27.25 peak
3	8841.090	12.24	38.50	55.14	51.52	47.12	68.20	-21.08 peak
4	10051.780	13.14	39.00	54.07	50.21	48.28	68.20	-19.92 peak
5	11000.000	14.17	39.40	53.50	47.94	48.01	74.00	-25.99 peak
6	pp16500.000	17.74	38.90	54.15	46.46	48.95	68.20	-19.25 peak



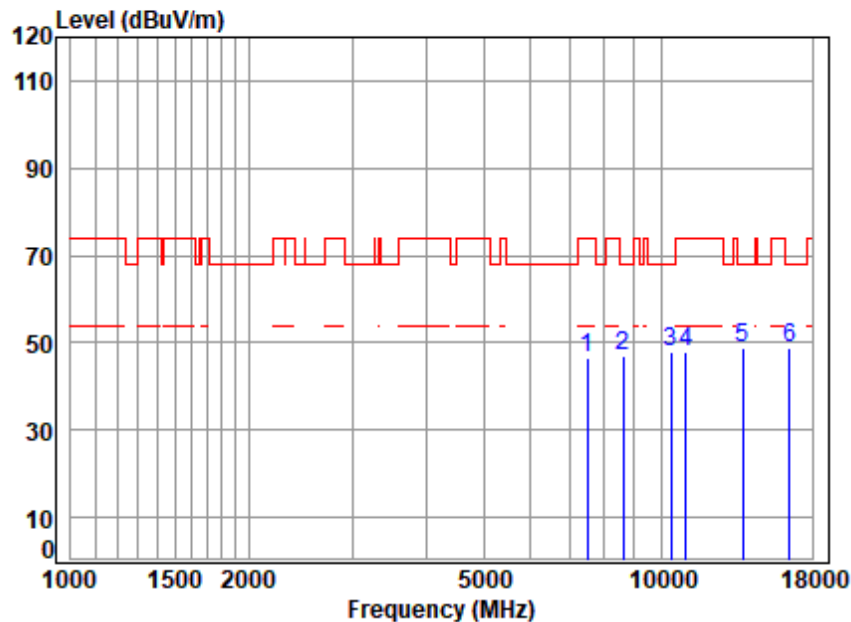
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Test Mode: 11; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Condition: 3m VERTICAL

Job No : 04436M0/04437M0

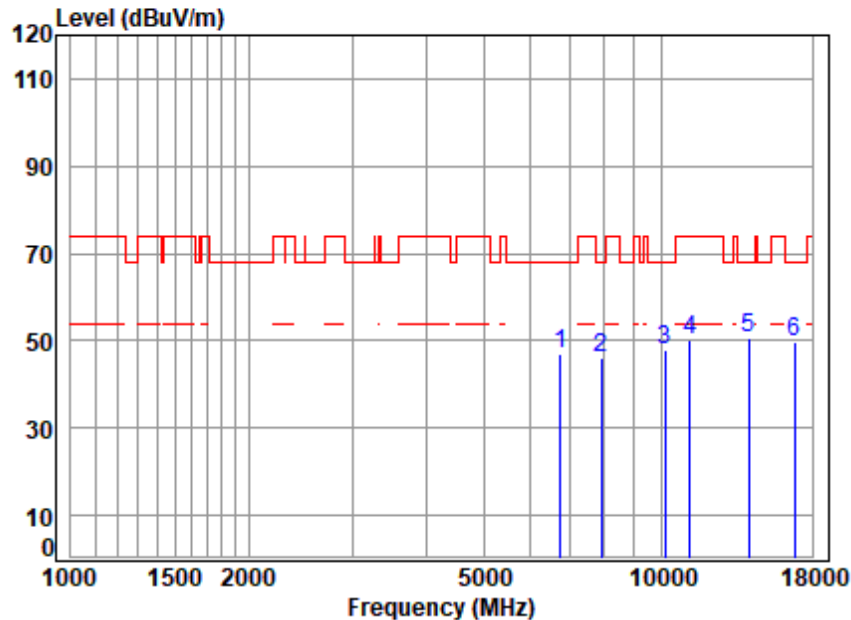
Mode : 5500 TX RSE

: 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	7480.987	11.28	36.80	56.32	54.58	46.34	74.00	-27.66 peak
2	8627.584	12.00	38.44	55.34	51.94	47.04	68.20	-21.16 peak
3	10395.390	13.62	39.00	53.86	49.33	48.09	68.20	-20.11 peak
4	11000.000	14.17	39.40	53.50	47.68	47.75	74.00	-26.25 peak
5	pp13713.950	16.35	39.99	54.43	46.92	48.83	68.20	-19.37 Peak
6	16500.000	17.74	38.90	54.15	46.14	48.63	68.20	-19.57 peak



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



Condition: 3m HORIZONTAL

Job No : 04436M0/04437M0

Mode : 5600 TX RSE

: 5G WIFI 11A

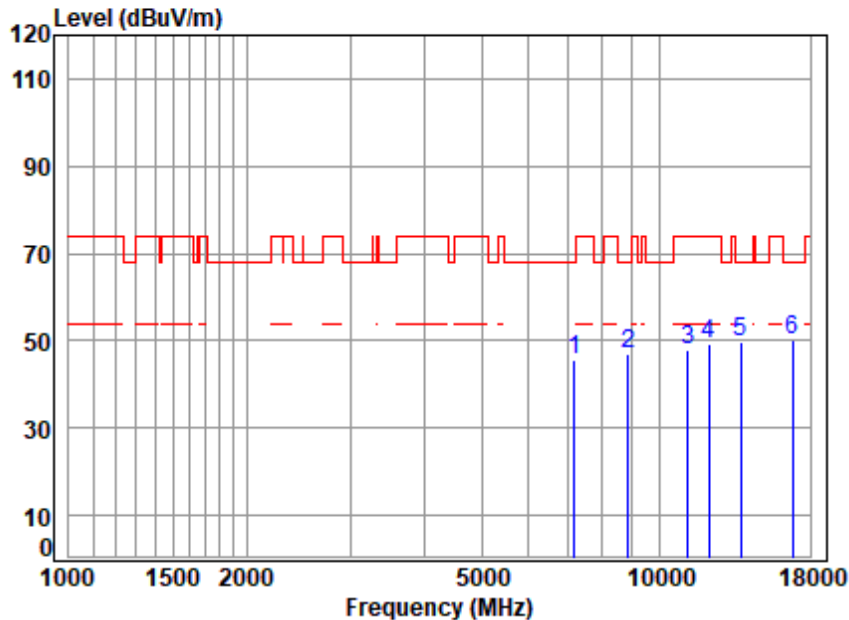
	Cable	Ant	Preamp	Read		Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	6749.641	11.39	35.70	56.75	56.67	47.01	68.20	-21.19 Peak
2	7928.178	11.55	37.66	55.96	52.68	45.93	68.20	-22.27 Peak
3	10165.040	13.15	39.10	54.00	49.84	48.09	68.20	-20.11 Peak
4	11200.000	14.76	39.60	53.56	49.39	50.19	74.00	-23.81 peak
5	pp14039.020	16.51	39.90	54.40	48.76	50.77	68.20	-17.43 Peak
6	16800.000	17.46	39.60	54.24	46.69	49.51	68.20	-18.69 peak



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



Condition: 3m VERTICAL

Job No : 04436M0/04437M0

Mode : 5600 TX RSE

: 5G WIFI 11A

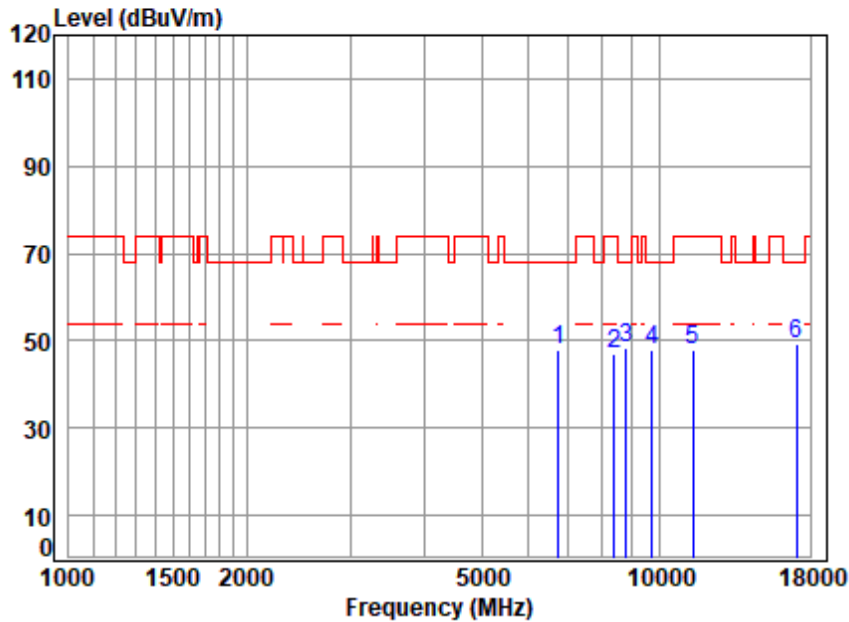
	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	7182.317	11.60	36.56	56.55	53.79	45.40	68.20 -22.80 Peak
2	8850.100	12.23	38.50	55.13	51.62	47.22	68.20 -20.98 Peak
3	11200.000	14.76	39.60	53.56	47.24	48.04	74.00 -25.96 peak
4	12136.110	14.64	39.77	53.90	48.66	49.17	74.00 -24.83 Peak
5	13713.950	16.35	39.99	54.43	47.81	49.72	68.20 -18.48 Peak
6	pp16800.000	17.46	39.60	54.24	47.23	50.05	68.20 -18.15 peak



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



Condition: 3m HORIZONTAL

Job No : 04436MO/04437MO

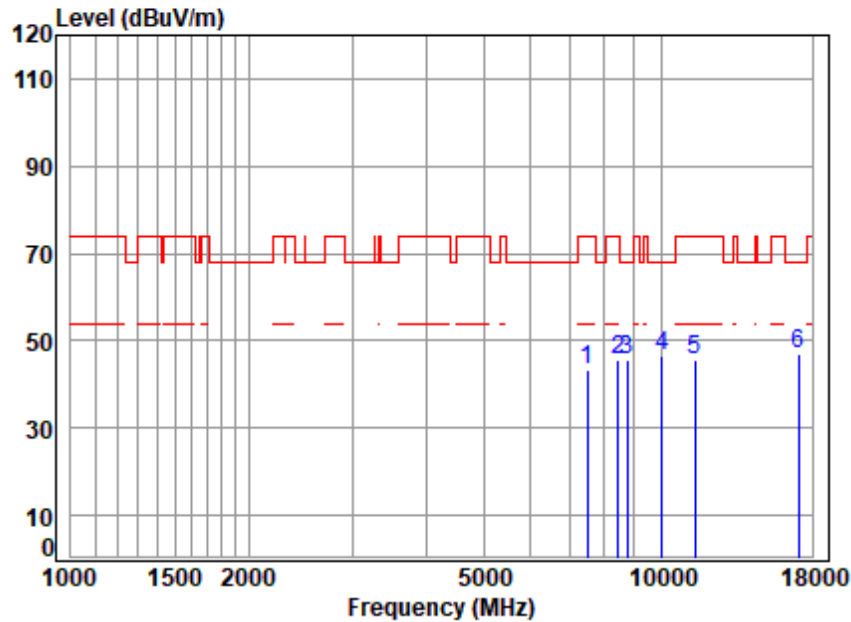
Mode : 5700 TX RSE

: 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	6749.641	11.39	35.70	56.75	57.73	48.07	68.20 -20.13 peak
2	8385.002	11.65	38.63	55.55	52.43	47.16	74.00 -26.84 peak
3	8796.179	12.24	38.50	55.18	52.58	48.14	68.20 -20.06 peak
4	9709.634	12.74	38.68	54.36	51.03	48.09	68.20 -20.11 peak
5	11400.000	14.21	39.70	53.62	47.59	47.88	74.00 -26.12 peak
6	pp17100.000	18.47	39.80	54.32	45.17	49.12	68.20 -19.08 peak



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



Condition: 3m VERTICAL

Job No : 04436M0/04437M0

Mode : 5700 TX RSE

: 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	7480.987	11.28	36.80	56.32	51.57	43.33	74.00 -30.67 peak
2	8445.000	11.94	38.42	55.50	50.82	45.68	74.00 -28.32 peak
3	8751.494	12.17	38.50	55.22	50.03	45.48	68.20 -22.72 peak
4	10041.550	13.12	38.98	54.08	48.57	46.59	68.20 -21.61 peak
5	11400.000	14.21	39.70	53.62	45.39	45.68	74.00 -28.32 peak
6	pp17100.000	18.47	39.80	54.32	42.85	46.80	68.20 -21.40 peak



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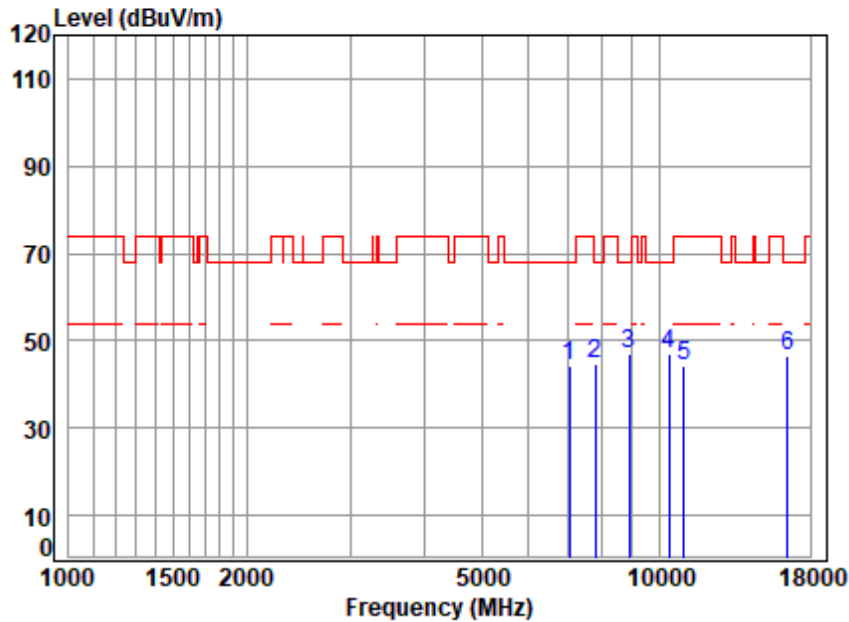
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SZEMC-TRF-01 Rev. A/1

Report No.: SZCR241100443604

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



Condition: 3m HORIZONTAL

Job No : 04436MO/04437MO

Mode : 5500 TX RSE

: 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	7044.655	11.65	36.29	56.66	52.98	44.26	68.20	-23.94 peak
2	7776.221	11.34	37.10	56.08	52.58	44.94	68.20	-23.26 peak
3	8877.185	12.23	38.55	55.11	51.13	46.80	68.20	-21.40 peak
4	pp10384.810	13.61	39.00	53.87	48.39	47.13	68.20	-21.07 peak
5	11000.000	14.17	39.40	53.50	44.06	44.13	74.00	-29.87 peak
6	16500.000	17.74	38.90	54.15	44.11	46.60	68.20	-21.60 peak



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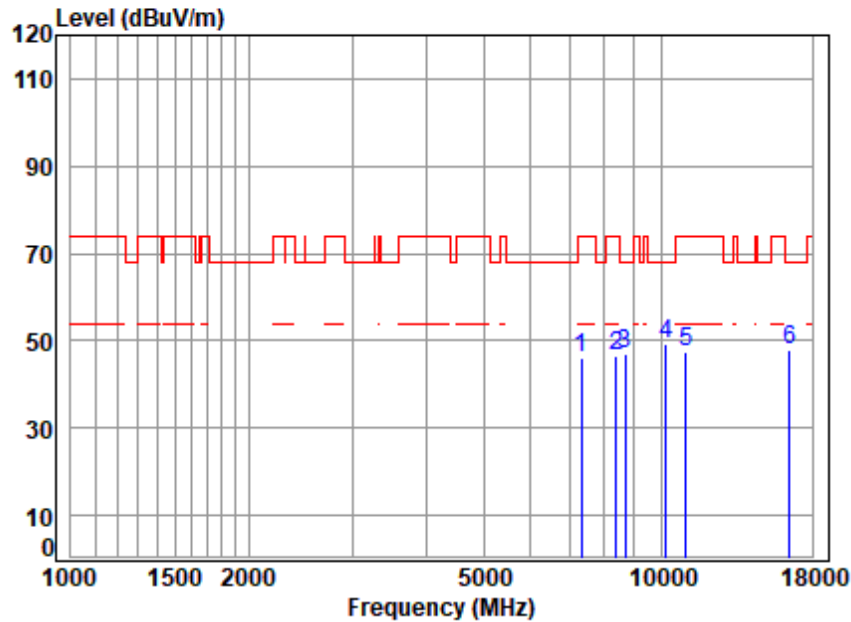
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SZEMC-TRF-01 Rev. A/1

Report No.: SZCR241100443604

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



Condition: 3m VERTICAL

Job No : 04436M0/04437M0

Mode : 5500 TX RSE

: 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	7330.131	11.51	36.76	56.44	54.35	46.18	74.00	-27.82 peak
2	8376.465	11.66	38.65	55.56	51.87	46.62	74.00	-27.38 peak
3	8671.635	12.05	38.49	55.30	51.72	46.96	68.20	-21.24 peak
4	pp10185.770	13.12	39.10	53.99	51.01	49.24	68.20	-18.96 peak
5	11000.000	14.17	39.40	53.50	47.32	47.39	74.00	-26.61 peak
6	16500.000	17.74	38.90	54.15	45.60	48.09	68.20	-20.11 peak



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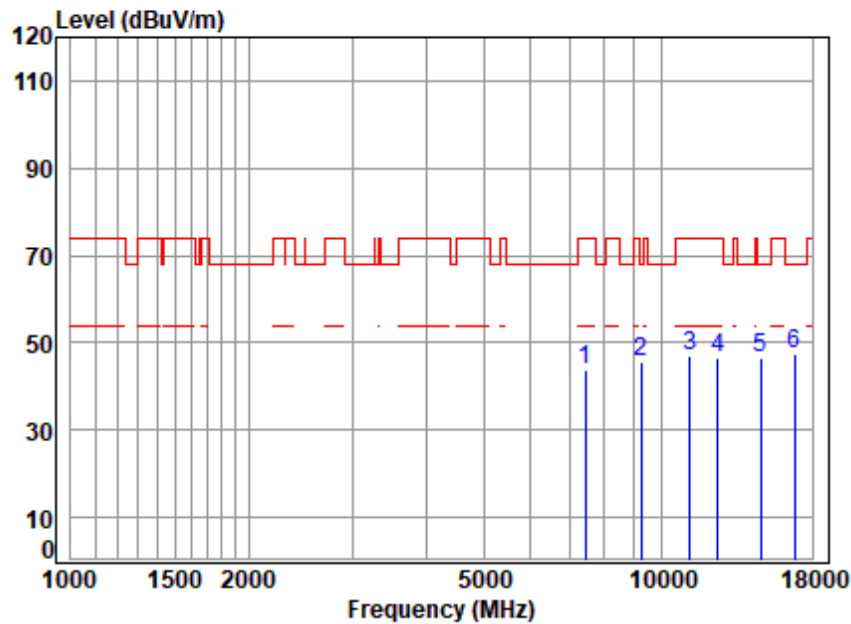
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SZEMC-TRF-01 Rev. A/1

Report No.: SZCR241100443604

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



Condition: 3m HORIZONTAL

Job No : 04436MO/04437MO

Mode : 5600 TX RSE

: 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	7442.985	11.38	36.79	56.35	51.76	43.58	74.00	-30.42 Peak
2	9255.758	12.24	37.83	54.77	50.43	45.73	68.20	-22.47 Peak
3	11200.000	14.76	39.60	53.56	46.02	46.82	74.00	-27.18 peak
4	12449.120	15.40	39.90	54.11	45.58	46.77	74.00	-27.23 Peak
5	14712.460	16.49	39.19	54.33	45.24	46.59	68.20	-21.61 Peak
6	pp16800.000	17.46	39.60	54.24	44.60	47.42	68.20	-20.78 peak



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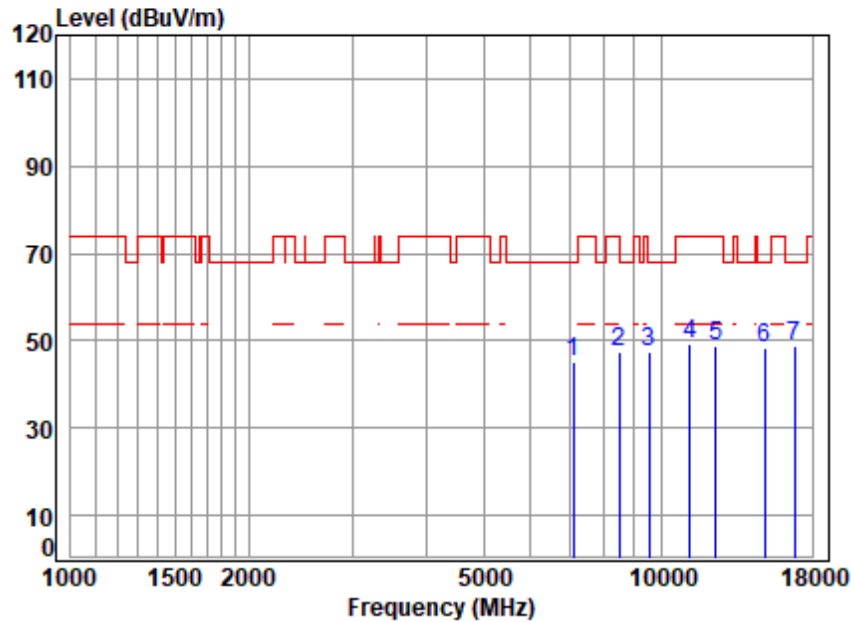
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SZEMC-TRF-01 Rev. A/1

Report No.: SZCR241100443604

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



Condition: 3m VERTICAL

Job No : 04436M0/04437M0

Mode : 5600 TX RSE

: 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	7102.293	11.98	36.40	56.62	53.54	45.30	68.20	-22.90 Peak
2	8488.119	12.23	38.32	55.46	52.31	47.40	74.00	-26.60 Peak
3	9523.532	12.53	38.85	54.53	50.50	47.35	68.20	-20.85 Peak
4	11200.000	14.76	39.60	53.56	48.26	49.06	74.00	-24.94 peak
5	12360.670	15.13	39.86	54.05	48.11	49.05	74.00	-24.95 Peak
6	14938.970	16.40	38.86	54.31	47.25	48.20	68.20	-20.00 Peak
7	pp16800.000	17.46	39.60	54.24	45.83	48.65	68.20	-19.55 peak



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Shenzhen Branch Testing Laboratory

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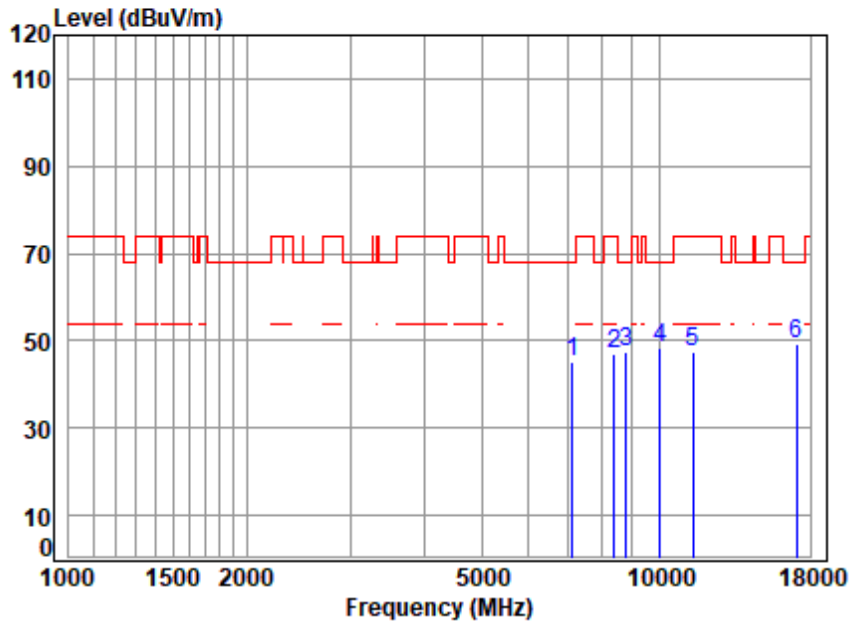
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SZEMC-TRF-01 Rev. A/1

Report No.: SZCR241100443604

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



Condition: 3m HORIZONTAL

Job No : 04436M0/04437M0

Mode : 5700 TX RSE

: 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	7138.557	11.81	36.48	56.59	53.67	45.37	68.20	-22.83 peak
2	8393.547	11.64	38.61	55.55	52.29	46.99	74.00	-27.01 peak
3	8787.224	12.23	38.50	55.19	51.69	47.23	68.20	-20.97 peak
4	10031.330	13.09	38.96	54.08	50.31	48.28	68.20	-19.92 peak
5	11400.000	14.21	39.70	53.62	47.13	47.42	74.00	-26.58 peak
6	pp17100.000	18.47	39.80	54.32	45.24	49.19	68.20	-19.01 peak



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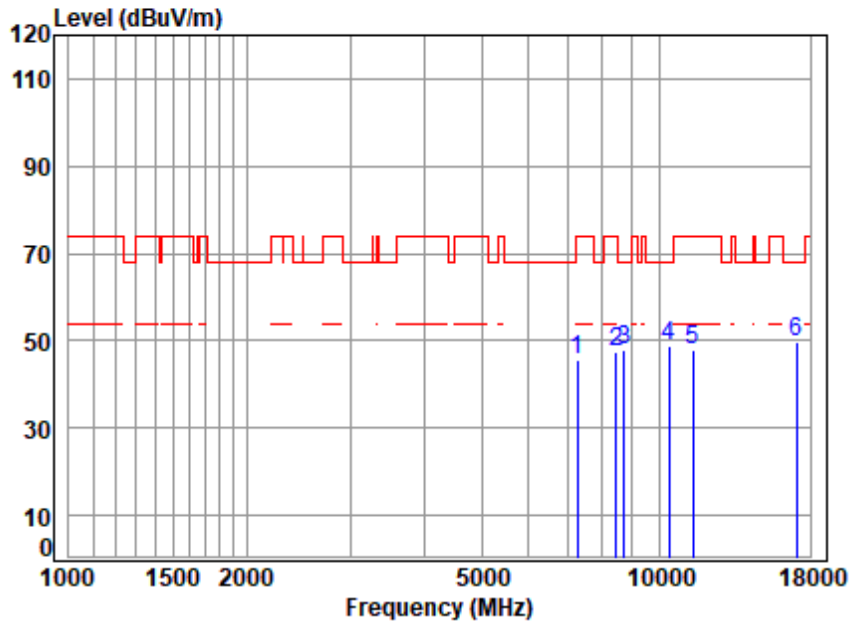
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SZEMC-TRF-01 Rev. A/1

Report No.: SZCR241100443604

Page: 64 of 622

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



Condition: 3m VERTICAL

Job No : 04436M0/04437M0

Mode : 5700 TX RSE

: 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	7270.644	11.51	36.64	56.48	53.74	45.41	74.00 -28.59 peak
2	8462.222	12.05	38.38	55.48	52.38	47.33	74.00 -26.67 peak
3	8724.793	12.13	38.55	55.25	52.31	47.74	68.20 -20.46 peak
4	10384.810	13.61	39.00	53.87	50.18	48.92	68.20 -19.28 peak
5	11400.000	14.21	39.70	53.62	47.74	48.03	74.00 -25.97 peak
6	pp17100.000	18.47	39.80	54.32	45.98	49.93	68.20 -18.27 peak



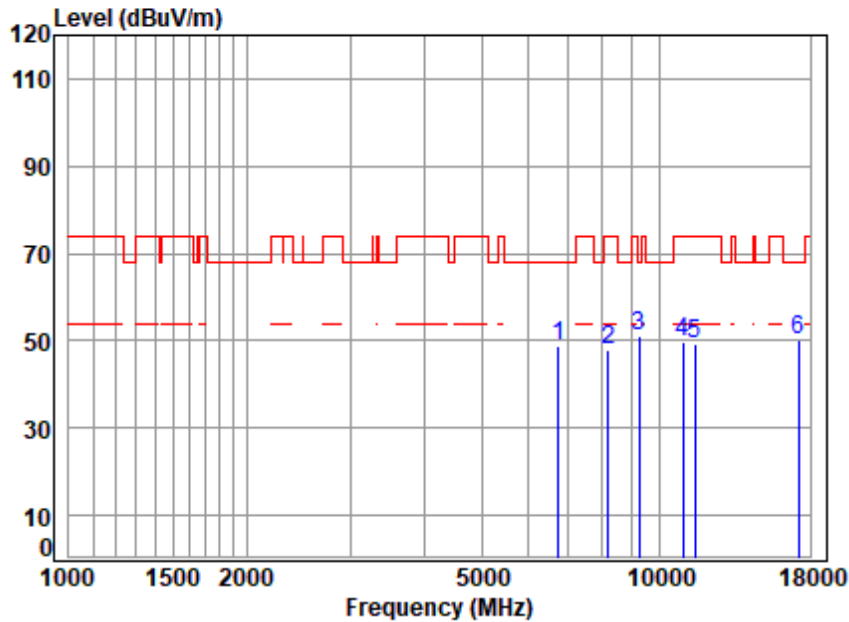
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Test Mode: 12; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Condition: 3m HORIZONTAL

Job No : 04436M0/04437M0

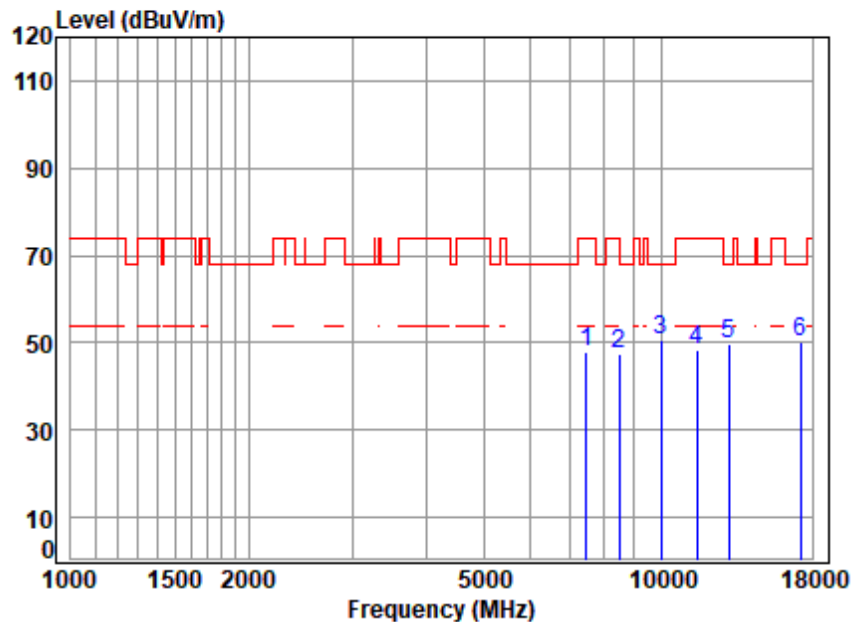
Mode : 5745 TX RSE

: 5.8G 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	6749.641	11.39	35.70	56.75	58.51	48.85	68.20	-19.35 peak
2	8199.195	11.57	38.00	55.72	54.07	47.92	74.00	-26.08 peak
3	9236.922	12.26	37.70	54.79	56.11	51.28	68.20	-16.92 peak
4	10972.000	14.11	39.37	53.52	49.62	49.58	74.00	-24.42 peak
5	11490.000	14.97	39.61	53.65	48.36	49.29	74.00	-24.71 peak
6	17235.000	17.83	40.01	54.35	46.57	50.06	68.20	-18.14 peak



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



Condition: 3m VERTICAL

Job No : 04436M0/04437M0

Mode : 5745 TX RSE

: 5.8G WIFI 11A

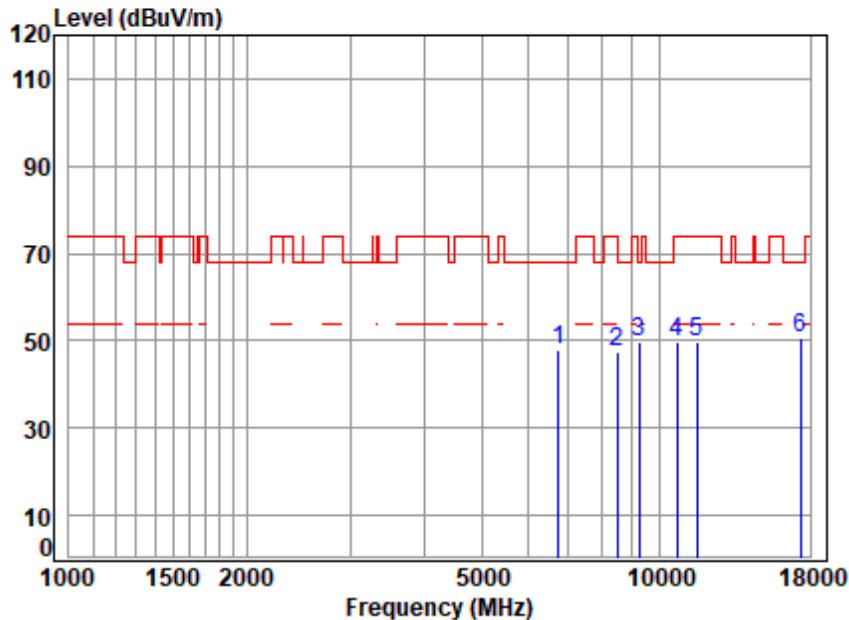
	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	7473.371	11.30	36.80	56.32	56.30	48.08	74.00 -25.92 peak
2	8488.119	12.23	38.32	55.46	52.20	47.29	74.00 -26.71 peak
3	pp10000.720	13.01	38.90	54.10	52.89	50.70	68.20 -17.50 peak
4	11490.000	14.97	39.61	53.65	47.47	48.40	74.00 -25.60 peak
5	13019.740	15.83	40.30	54.50	48.26	49.89	68.20 -18.31 Peak
6	17235.000	17.83	40.01	54.35	46.74	50.23	68.20 -17.97 peak



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



Condition: 3m HORIZONTAL

Job No : 04436M0/04437M0

Mode : 5785 TX RSE

: 5.8G WIFI 11A

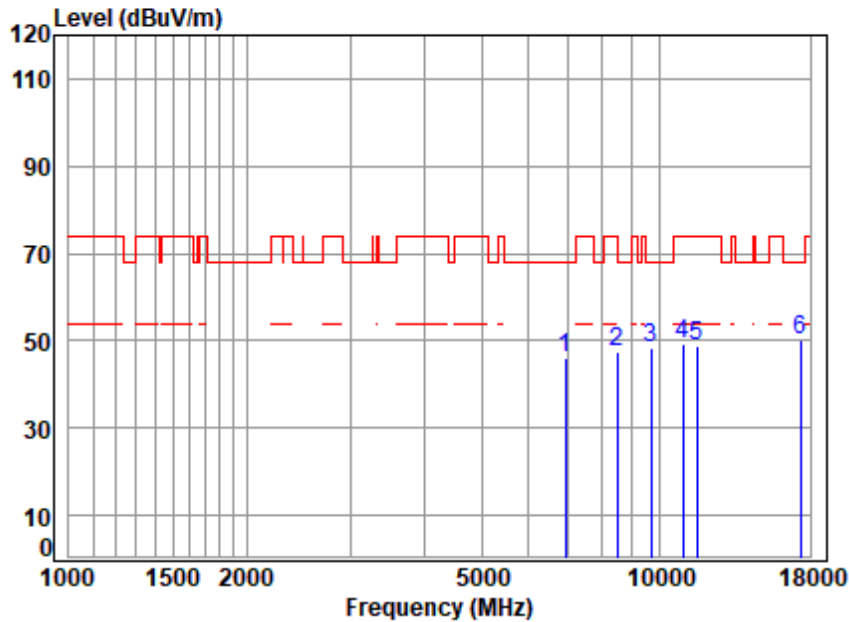
	Cable	Ant	Preamp	Read		Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	6749.641	11.39	35.70	56.75	57.49	47.83	68.20	-20.37 peak
2	8488.119	12.23	38.32	55.46	52.31	47.40	74.00	-26.60 peak
3	9236.922	12.26	37.70	54.79	54.44	49.61	68.20	-18.59 peak
4	10728.870	13.94	39.37	53.66	50.04	49.69	74.00	-24.31 peak
5	11570.000	14.78	39.60	53.67	49.08	49.79	74.00	-24.21 peak
6	pp17355.000	18.00	40.31	54.37	46.55	50.49	68.20	-17.71 peak



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



Condition: 3m VERTICAL

Job No : 04436M0/04437M0

Mode : 5785 TX RSE

: 5.8G WIFI 11A

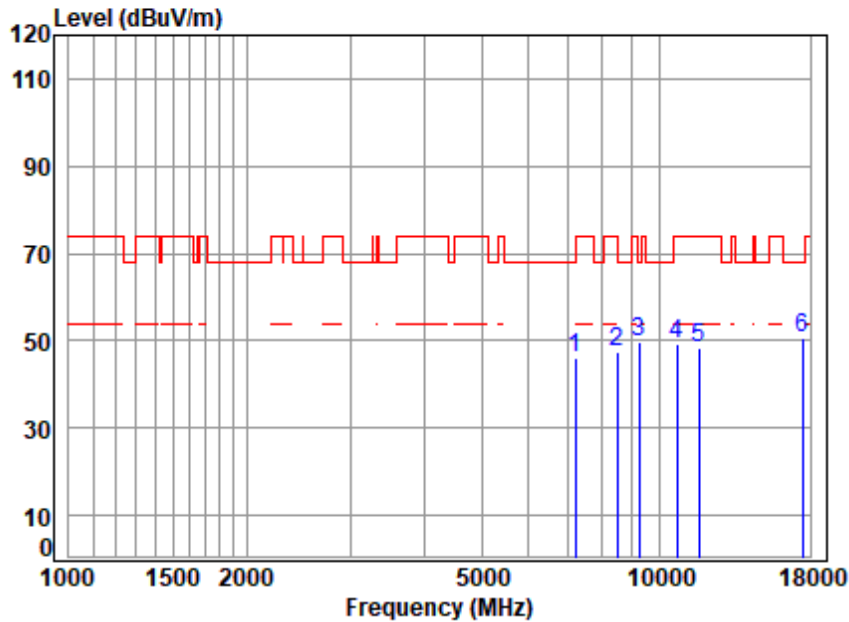
	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	6937.841	11.37	36.12	56.71	55.36	46.14	68.20 -22.06 peak
2	8496.769	12.29	38.31	55.45	52.15	47.30	74.00 -26.70 peak
3	9699.749	12.70	38.70	54.37	51.40	48.43	68.20 -19.77 peak
4	10949.680	14.06	39.35	53.53	49.21	49.09	74.00 -24.91 peak
5	11570.000	14.78	39.60	53.67	47.95	48.66	74.00 -25.34 peak
6	pp17355.000	18.00	40.31	54.37	46.28	50.22	68.20 -17.98 peak



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



Condition: 3m HORIZONTAL

Job No : 04436MO/04437MO

Mode : 5825 TX RSE

: 5.8G WIFI 11A

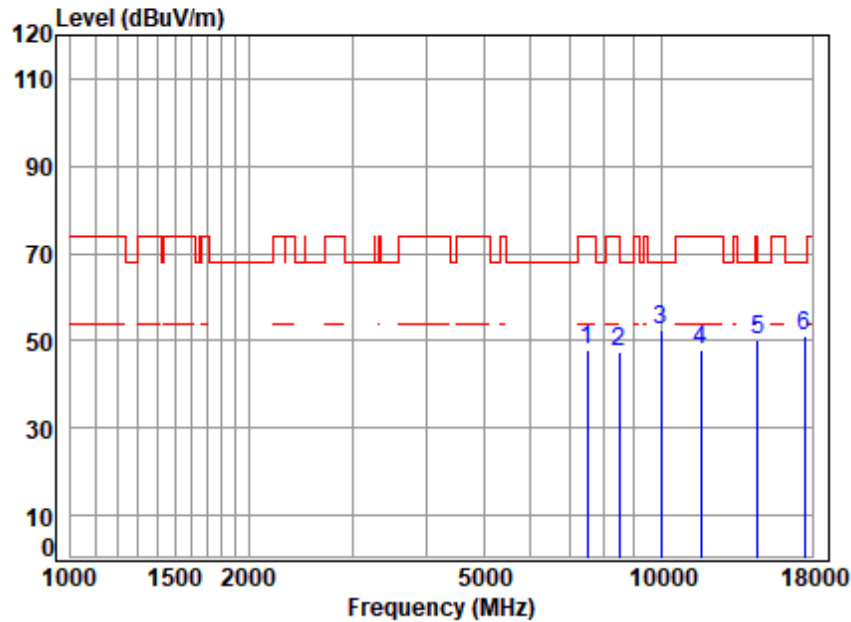
	Cable	Ant	Preamp	Read		Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	7211.639	11.52	36.60	56.53	54.39	45.98	68.20	-22.22 peak
2	8496.769	12.29	38.31	55.45	52.50	47.65	74.00	-26.35 peak
3	9255.758	12.24	37.83	54.77	54.26	49.56	68.20	-18.64 peak
4	10707.040	14.01	39.39	53.68	49.72	49.44	74.00	-24.56 peak
5	11650.000	14.69	39.55	53.69	47.84	48.39	74.00	-25.61 peak
6	pp17475.000	18.35	40.78	54.40	45.92	50.65	68.20	-17.55 peak



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



Condition: 3m VERTICAL

Job No : 04436M0/04437M0

Mode : 5825 TX RSE

: 5.8G 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	7480.987	11.28	36.80	56.32	56.15	47.91	74.00 -26.09 peak
2	8496.769	12.29	38.31	55.45	52.23	47.38	74.00 -26.62 peak
3 pp	9970.208	12.95	38.90	54.13	54.54	52.26	68.20 -15.94 peak
4	11650.000	14.69	39.55	53.69	47.52	48.07	74.00 -25.93 peak
5	14533.730	16.79	39.43	54.35	48.37	50.24	68.20 -17.96 Peak
6	17475.000	18.35	40.78	54.40	46.36	51.09	68.20 -17.11 peak



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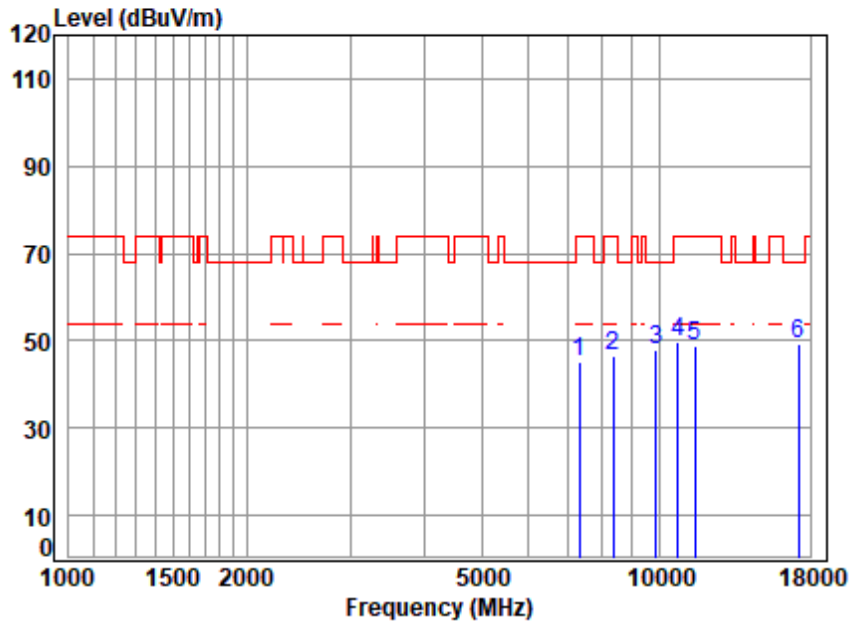
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Report No.: SZCR241100443604

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



Condition: 3m HORIZONTAL

Job No : 04436MO/04437MO

Mode : 5745 TX RSE

: 5.8G 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	7307.767	11.51	36.72	56.45	53.36	45.14	74.00	-28.86 peak
2	8350.908	11.69	38.70	55.58	51.96	46.77	74.00	-27.23 peak
3	9889.295	12.83	38.66	54.20	50.57	47.86	68.20	-20.34 peak
4	10739.810	13.90	39.36	53.66	50.28	49.88	74.00	-24.12 peak
5	11490.000	14.97	39.61	53.65	48.03	48.96	74.00	-25.04 peak
6	pp17235.000	17.83	40.01	54.35	45.93	49.42	68.20	-18.78 peak



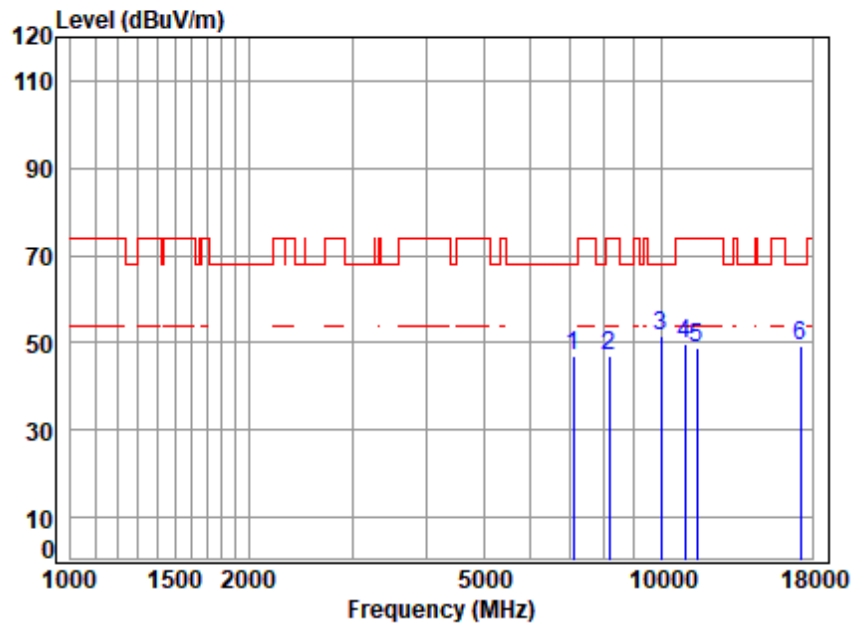
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Test Mode: 12; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:Low



Condition: 3m VERTICAL

Job No : 04436M0/04437M0

Mode : 5745 TX RSE

: 5.8G 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	7087.840	11.91	36.38	56.63	55.46	47.12	68.20 -21.08 peak
2	8165.858	11.53	37.93	55.75	53.46	47.17	74.00 -26.83 peak
3 pp	9970.208	12.95	38.90	54.13	54.04	51.76	68.20 -16.44 peak
4	10972.000	14.11	39.37	53.52	49.59	49.55	74.00 -24.45 peak
5	11490.000	14.97	39.61	53.65	48.04	48.97	74.00 -25.03 peak
6	17235.000	17.83	40.01	54.35	45.86	49.35	68.20 -18.85 peak



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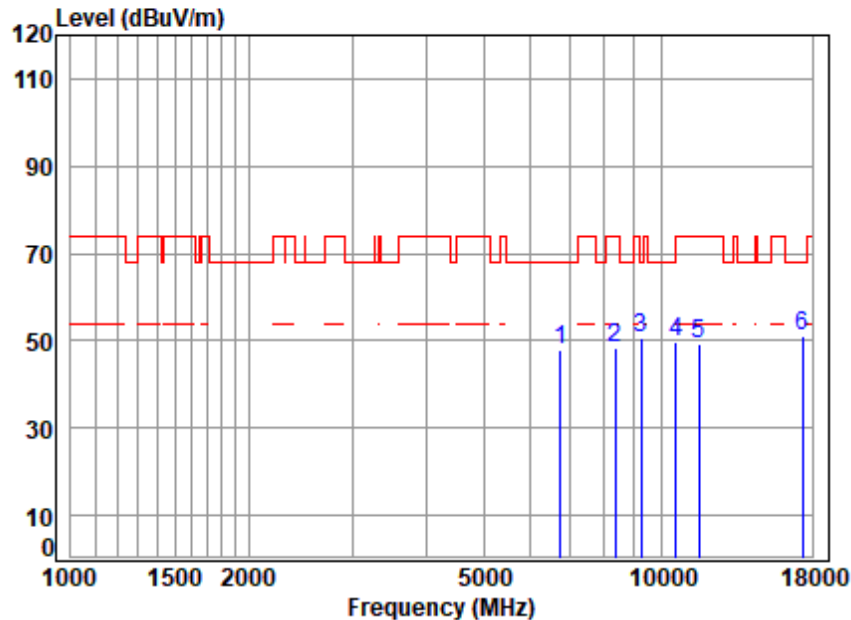
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SZEMC-TRF-01 Rev. A/1

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



Condition: 3m HORIZONTAL

Job No : 04436MO/04437MO

Mode : 5785 TX RSE

: 5.8G 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	6749.641	11.39	35.70	56.75	57.66	48.00	68.20	-20.20 peak
2	8350.908	11.69	38.70	55.58	53.57	48.38	74.00	-25.62 peak
3	9255.758	12.24	37.83	54.77	55.53	50.83	68.20	-17.37 peak
4	10598.530	13.59	39.30	53.74	50.42	49.57	68.20	-18.63 peak
5	11570.000	14.78	39.60	53.67	48.70	49.41	74.00	-24.59 peak
6	pp17355.000	18.00	40.31	54.37	46.97	50.91	68.20	-17.29 peak



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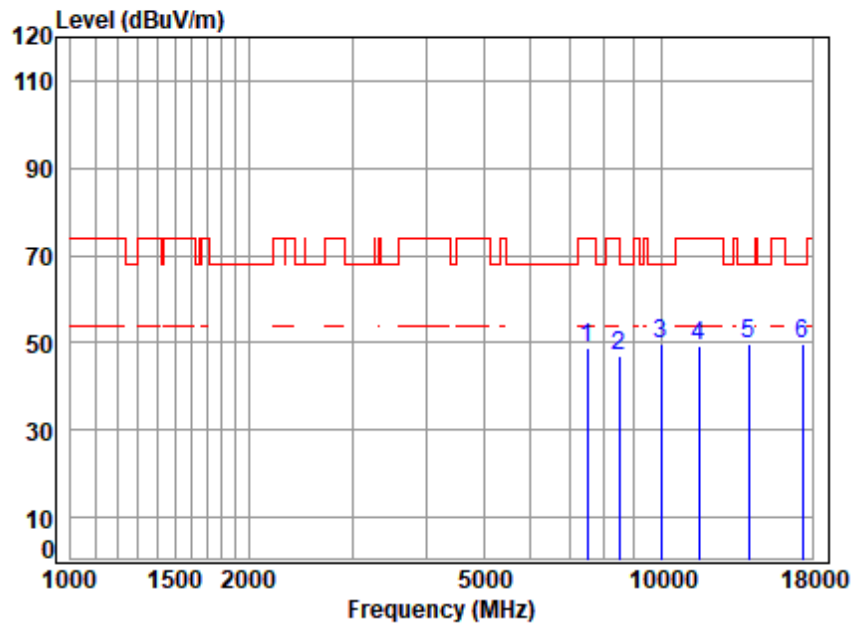
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SZEMC-TRF-01 Rev. A/1

Report No.: SZCR241100443604

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



Condition: 3m VERTICAL

Job No : 04436M0/04437M0

Mode : 5785 TX RSE

: 5.8G 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	7480.987	11.28	36.80	56.32	57.16	48.92	74.00 -25.08 peak
2	8496.769	12.29	38.31	55.45	51.96	47.11	74.00 -26.89 peak
3	9980.368	12.97	38.90	54.12	51.93	49.68	68.20 -18.52 peak
4	11570.000	14.78	39.60	53.67	48.42	49.13	74.00 -24.87 peak
5	pp14039.020	16.51	39.90	54.40	47.89	49.90	68.20 -18.30 Peak
6	17355.000	18.00	40.31	54.37	45.70	49.64	68.20 -18.56 peak



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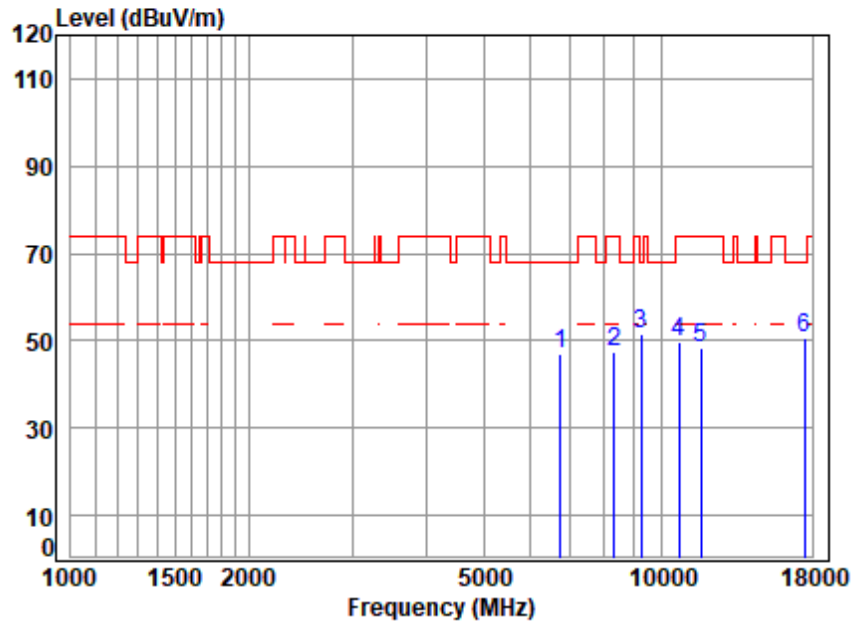
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SZEMC-TRF-01 Rev. A/1

Report No.: SZCR241100443604

Page: 75 of 622

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



Condition: 3m HORIZONTAL

Job No : 04436MO/04437MO

Mode : 5825 TX RSE

: 5.8G 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	6749.641	11.39	35.70	56.75	56.44	46.78	68.20	-21.42 peak
2	8308.486	11.75	38.04	55.62	53.43	47.60	74.00	-26.40 peak
3 pp	9255.758	12.24	37.83	54.77	56.05	51.35	68.20	-16.85 peak
4	10696.140	14.02	39.40	53.68	49.89	49.63	74.00	-24.37 peak
5	11650.000	14.69	39.55	53.69	47.63	48.18	74.00	-25.82 peak
6	17475.000	18.35	40.78	54.40	46.08	50.81	68.20	-17.39 peak



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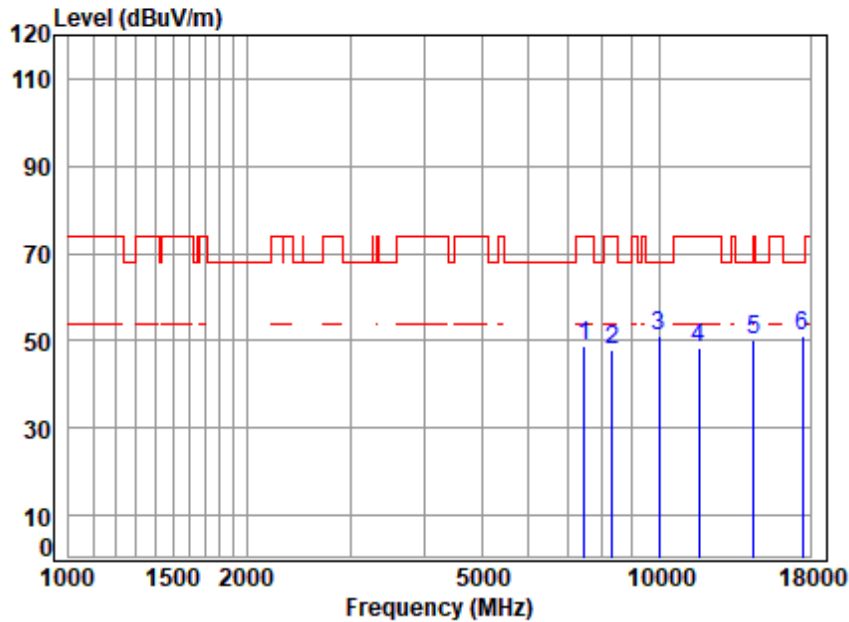
SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

SZEMC-TRF-01 Rev. A/1

Report No.: SZCR241100443604

Page: 76 of 622

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



Condition: 3m VERTICAL

Job No : 04436M0/04437M0

Mode : 5825 TX RSE

: 5.8G 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	7473.371	11.30	36.80	56.32	56.93	48.71	74.00 -25.29 peak
2	8333.913	11.72	38.44	55.60	53.30	47.86	74.00 -26.14 peak
3 pp	9970.208	12.95	38.90	54.13	53.55	51.27	68.20 -16.93 peak
4	11650.000	14.69	39.55	53.69	48.00	48.55	74.00 -25.45 peak
5	14474.640	17.03	39.53	54.35	47.84	50.05	74.00 -23.95 Peak
6	17475.000	18.35	40.78	54.40	46.35	51.08	68.20 -17.12 peak



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7.5 Radiated Emissions which fall in the restricted bands

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

Test Method: 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.

7.5.1 E.U.T. Operation

Operating Environment:

Temperature: 23.6 °C

Humidity: 60.3 % RH

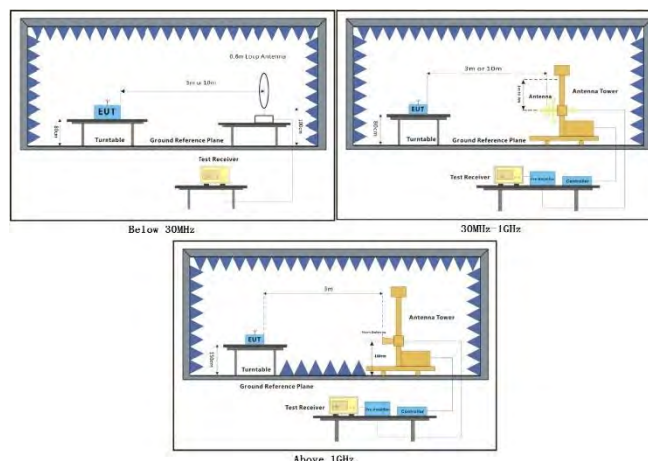
Atmospheric Pressure: 1020 mbar



7.5.2 Test Mode Description

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

7.5.3 Test Setup Diagram



7.5.4 Measurement Procedure and Data

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

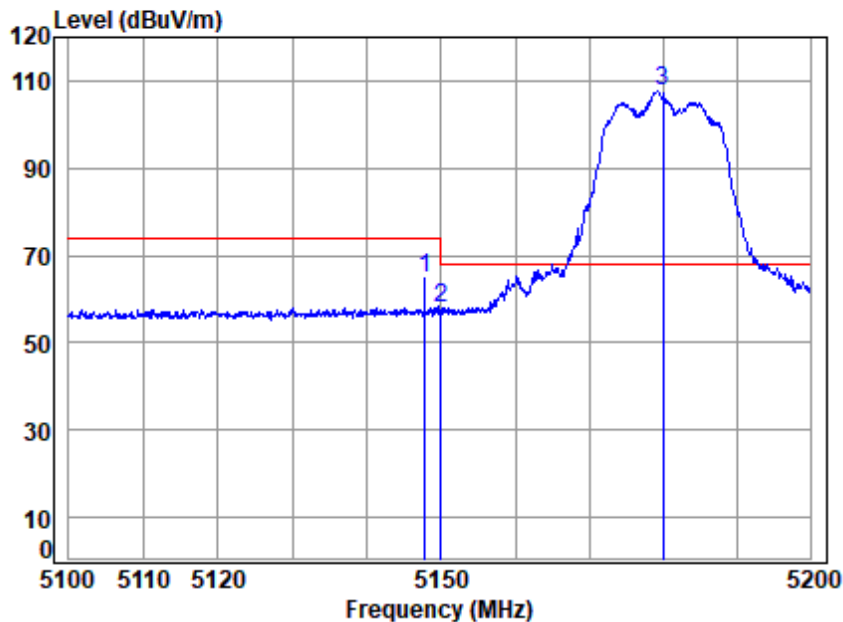
Remark 1: Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor

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

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



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



Condition: 3m HORIZONTAL

Job No : 04436MO/04437MO

Mode : 5180 Band edge

: 5G WIFI 11A

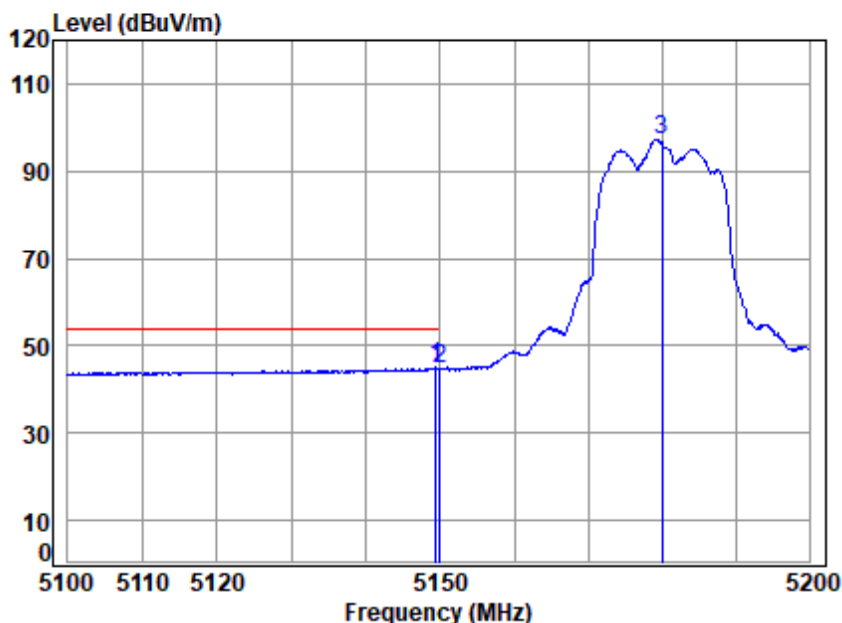
		Cable	Ant	Preamp	Read		Limit	Over	
Freq	Loss	Factor	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5147.758	10.13	32.40	30.84	53.00	64.69	74.00	-9.31	peak
2	5149.980	10.14	32.40	30.84	46.03	57.73	74.00	-16.27	peak
3	pp 5180.000	10.25	32.46	30.83	95.85	107.73	68.20	39.53	peak



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



Condition: 3m HORIZONTAL

Job No : 04436MO/04437MO

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 5149.458	10.14	32.40	30.84	33.27	44.97	54.00	-9.03	Average
2 5149.980	10.14	32.40	30.84	33.16	44.86	54.00	-9.14	Average
3 5180.000	10.25	32.46	30.83	85.44	97.32	-----	-----	Average



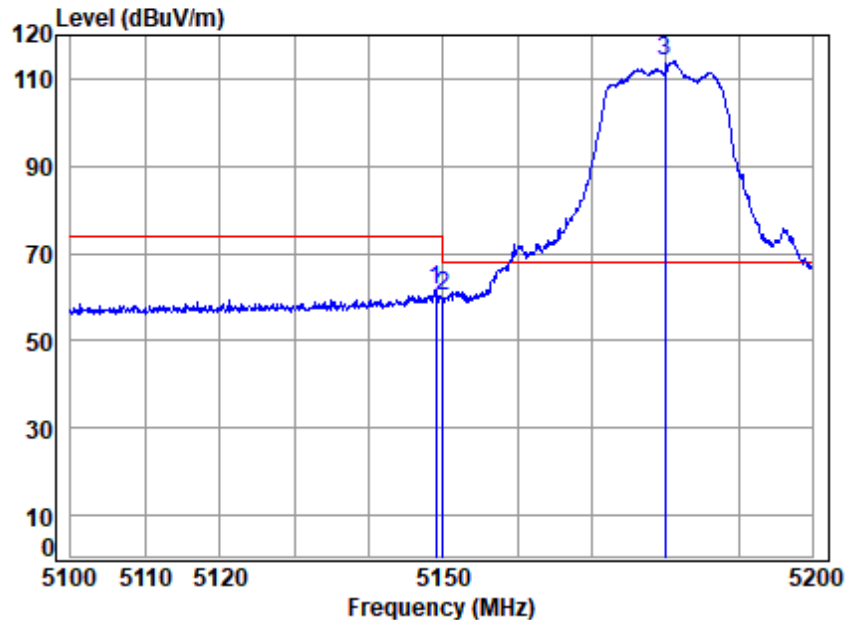
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Test Mode: 09; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Condition: 3m VERTICAL

Job No : 04436MO/04437MO

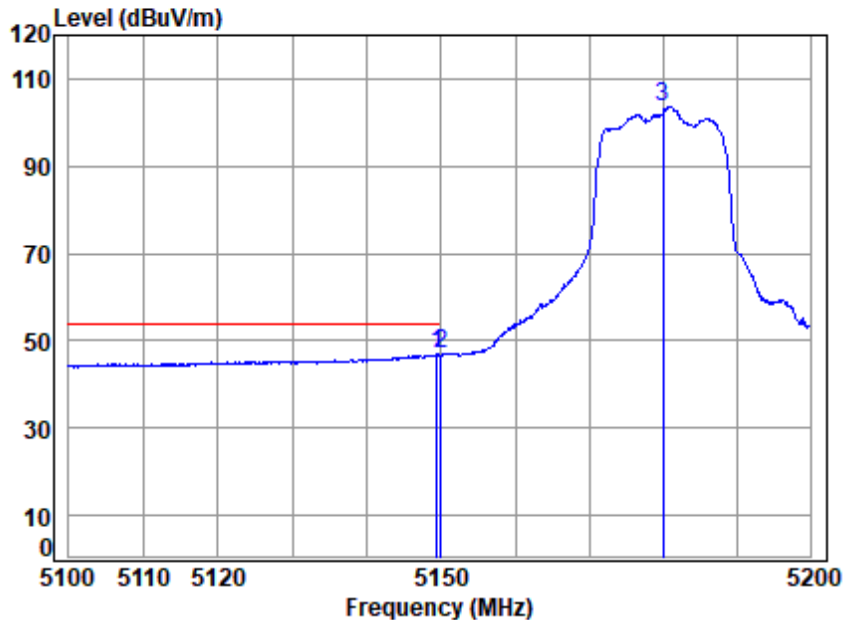
Mode : 5180 Band edge

: 5G WIFI 11A

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5148.958	10.14	32.40	30.84	49.82	61.52	74.00	-12.48 Peak
2	5149.980	10.14	32.40	30.84	48.49	60.19	74.00	-13.81 Peak
3	pp 5180.000	10.25	32.46	30.83	102.17	114.05	68.20	45.85 Peak



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



Condition: 3m VERTICAL

Job No : 04436M0/04437M0

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 pp	5149.357	10.14	32.40	30.84	35.15	46.85	54.00	-7.15	Average
2	5149.980	10.14	32.40	30.84	35.15	46.85	54.00	-7.15	Average
3	5180.000	10.25	32.46	30.83	91.71	103.59	-----	-----	Average



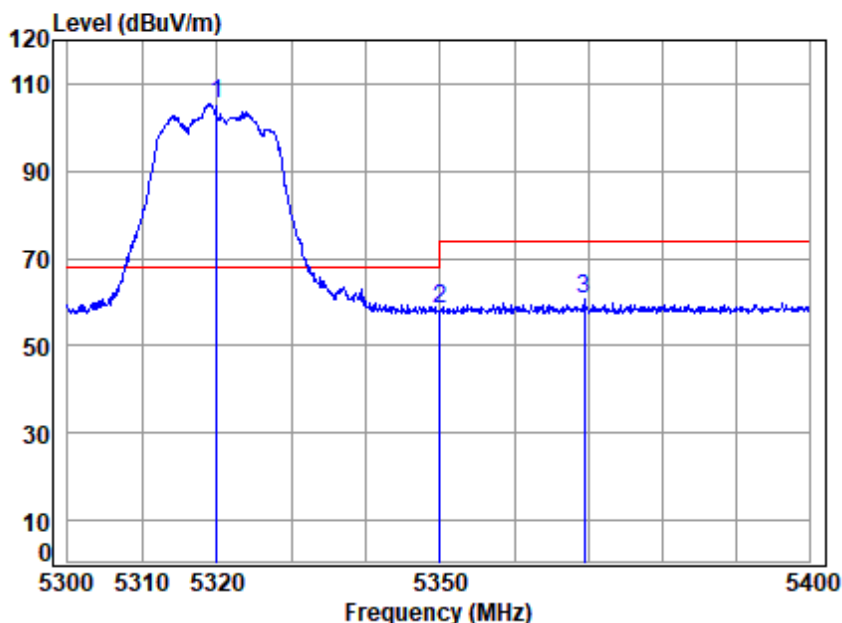
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Test Mode: 10; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Condition: 3m HORIZONTAL

Job No : 04436MO/04437MO

Mode : 5320 Band edge

: 5G WIFI 11A

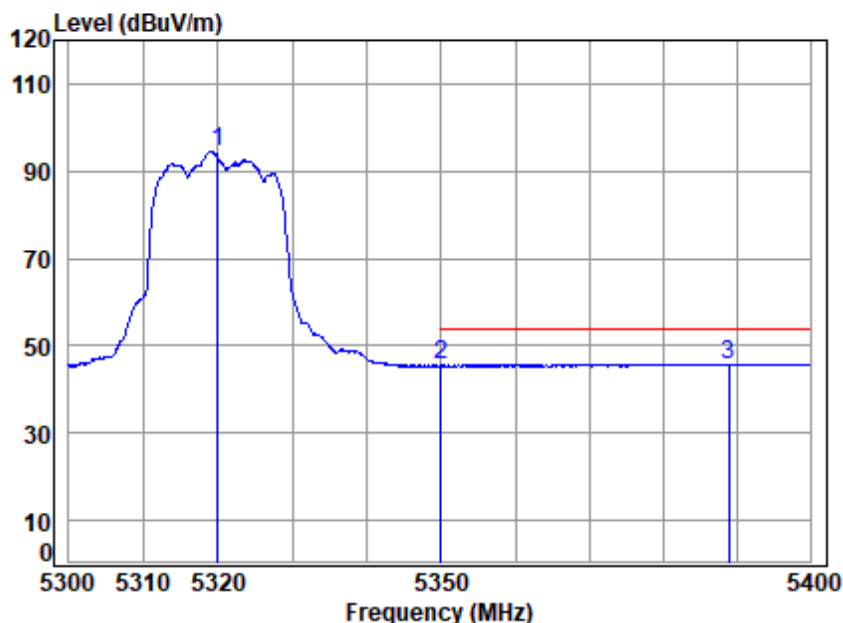
		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5320.000	10.35	32.74	30.77	93.10	105.42	68.20	37.22	peak
2	5350.020	10.45	32.80	30.76	45.69	58.18	74.00	-15.82	peak
3	5369.502	10.52	32.80	30.75	48.13	60.70	74.00	-13.30	peak



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



Condition: 3m HORIZONTAL

Job No : 04436MO/04437MO

Mode : 5320 Band edge

: 5G WIFI 11A

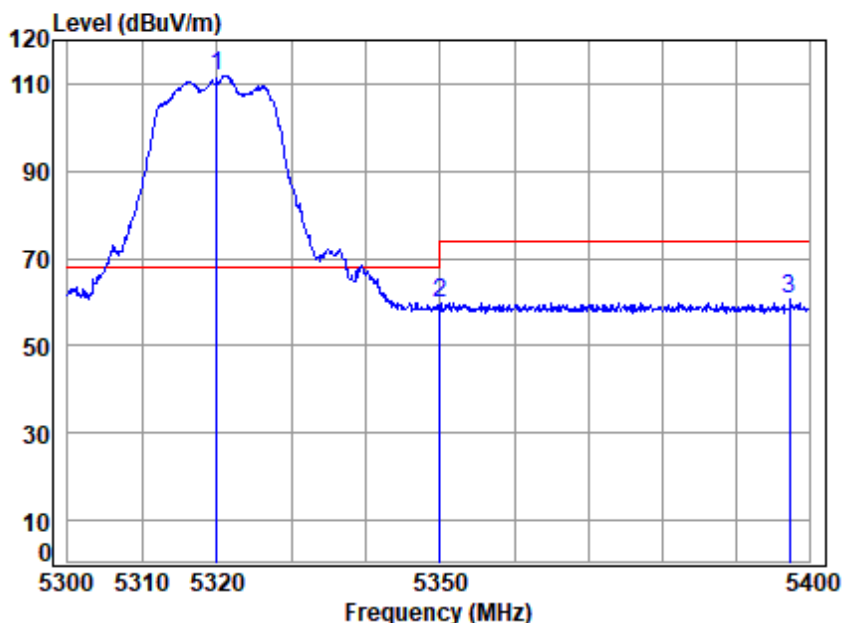
	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5320.000	10.35	32.74	30.77	82.19	94.51	-----	----- Average
2 5350.020	10.45	32.80	30.76	32.96	45.45	54.00	-8.55 Average
3 pp 5388.908	10.58	32.80	30.74	33.20	45.84	54.00	-8.16 Average



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



Condition: 3m VERTICAL

Job No : 04436M0/04437M0

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 pp	5320.000	10.35	32.74	30.77	99.63	111.95	68.20	43.75	Peak
2	5350.020	10.45	32.80	30.76	47.15	59.64	74.00	-14.36	Peak
3	5397.376	10.61	32.80	30.74	47.79	60.46	74.00	-13.54	Peak



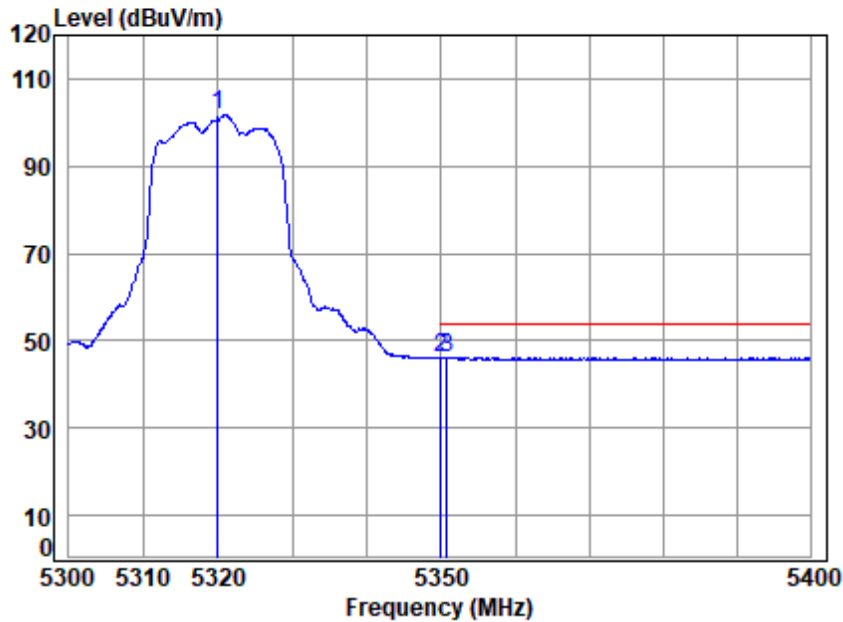
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Test Mode: 10; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Condition: 3m VERTICAL

Job No : 04436M0/04437M0

Mode : 5320 Band edge

: 5G WIFI 11A

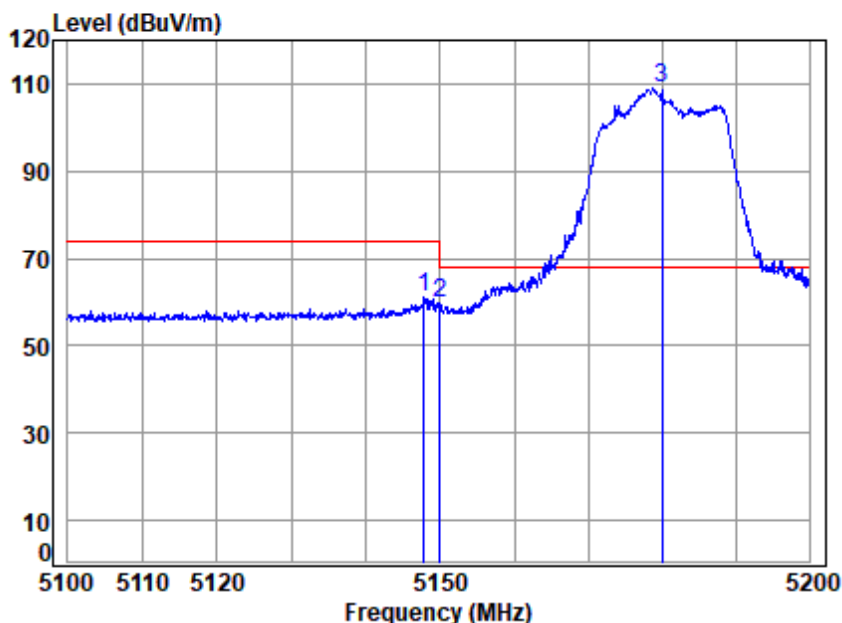
		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5320.000	10.35	32.74	30.77	89.57	101.89	-----	-----	Average
2	5350.020	10.45	32.80	30.76	33.65	46.14	54.00	-7.86	Average
3 pp	5350.767	10.45	32.80	30.76	33.71	46.20	54.00	-7.80	Average



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



Condition: 3m HORIZONTAL

Job No : 04436MO/04437MO

Mode : 5180 Band edge

: 5G WIFI 11N20

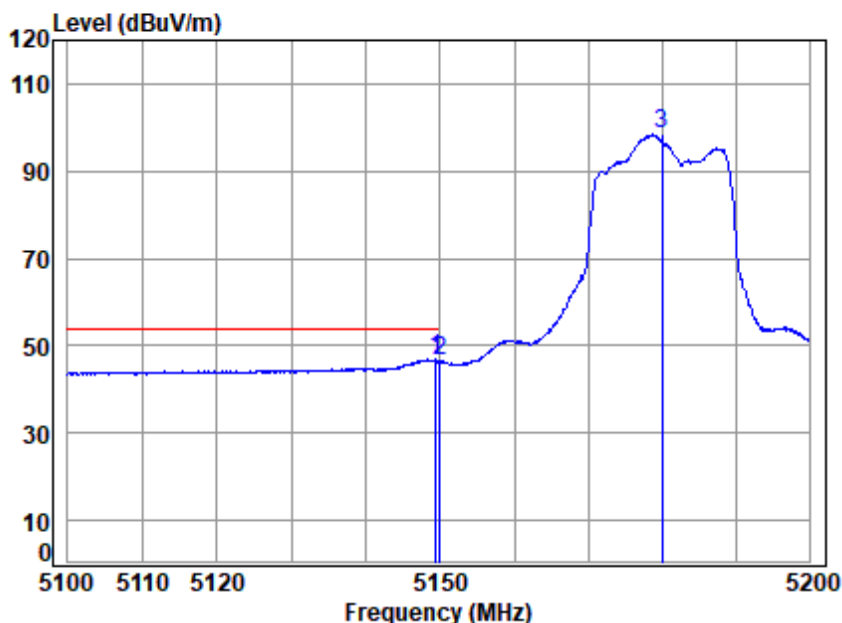
		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5147.758	10.13	32.40	30.84	49.35	61.04	74.00	-12.96	peak
2	5149.980	10.14	32.40	30.84	48.18	59.88	74.00	-14.12	peak
3 pp	5180.000	10.25	32.46	30.83	96.95	108.83	68.20	40.63	peak



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



Condition: 3m HORIZONTAL

Job No : 04436MO/04437MO

Mode : 5180 Band edge

: 5G WIFI 11N20

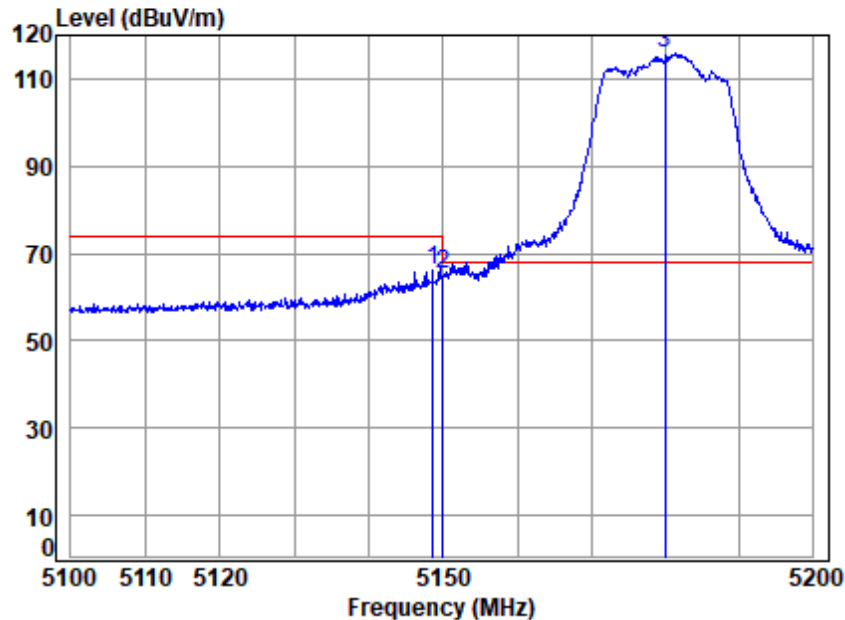
		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5149.357	10.14	32.40	30.84	35.09	46.79	54.00	-7.21	Average
2	5149.980	10.14	32.40	30.84	34.97	46.67	54.00	-7.33	Average
3	5180.000	10.25	32.46	30.83	86.54	98.42	-----	-----	Average



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



Condition: 3m VERTICAL

Job No : 04436M0/04437M0

Mode : 5180 Band edge
: 5G WIFI 11N20

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5148.558	10.13	32.40	30.84	54.43	66.12	74.00 -7.88 Peak
2	5149.980	10.14	32.40	30.84	53.61	65.31	74.00 -8.69 Peak
3	pp 5180.000	10.25	32.46	30.83	103.92	115.80	68.20 47.60 Peak



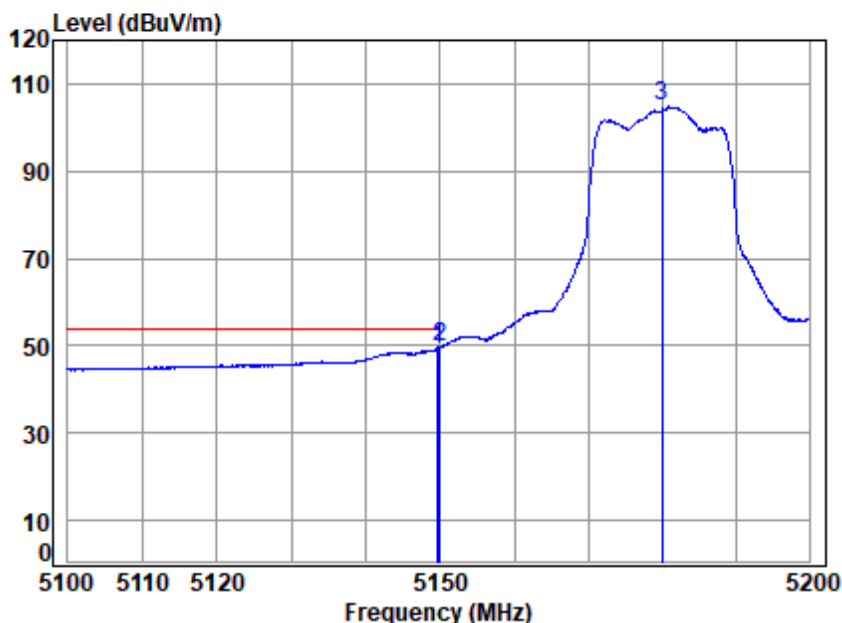
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Test Mode: 09; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



Condition: 3m VERTICAL

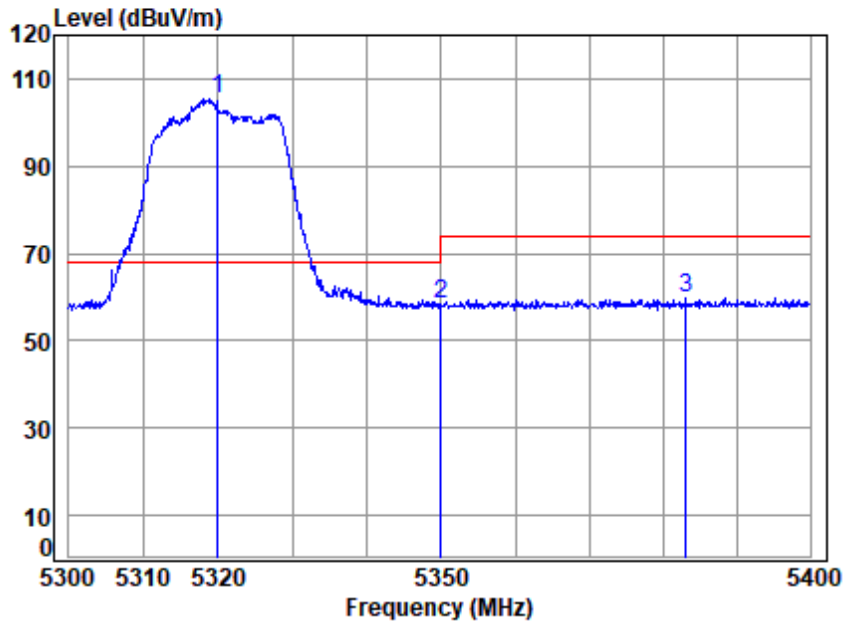
Job No : 04436M0/04437M0

Mode : 5180 Band edge
: 5G WIFI 11N20

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5149.657	10.14	32.40	30.84	37.74	49.44	54.00	-4.56	Average
2 pp	5149.980	10.14	32.40	30.84	37.81	49.51	54.00	-4.49	Average
3	5180.000	10.26	32.46	30.83	92.93	104.82	-----	-----	Average



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



Condition: 3m HORIZONTAL

Job No : 04436MO/04437MO

Mode : 5320 Band edge
: 5G WIFI 11N20

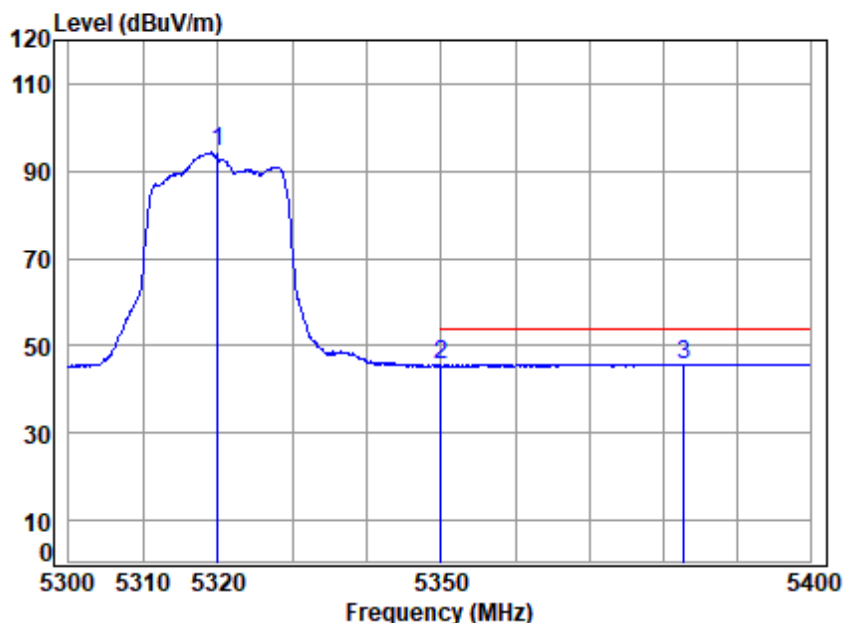
		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5320.000	10.35	32.74	30.77	93.08	105.40	68.20	37.20	peak
2	5350.020	10.45	32.80	30.76	45.84	58.33	74.00	-15.67	peak
3	5383.069	10.56	32.80	30.75	47.23	59.84	74.00	-14.16	peak



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



Condition: 3m HORIZONTAL

Job No : 04436MO/04437MO

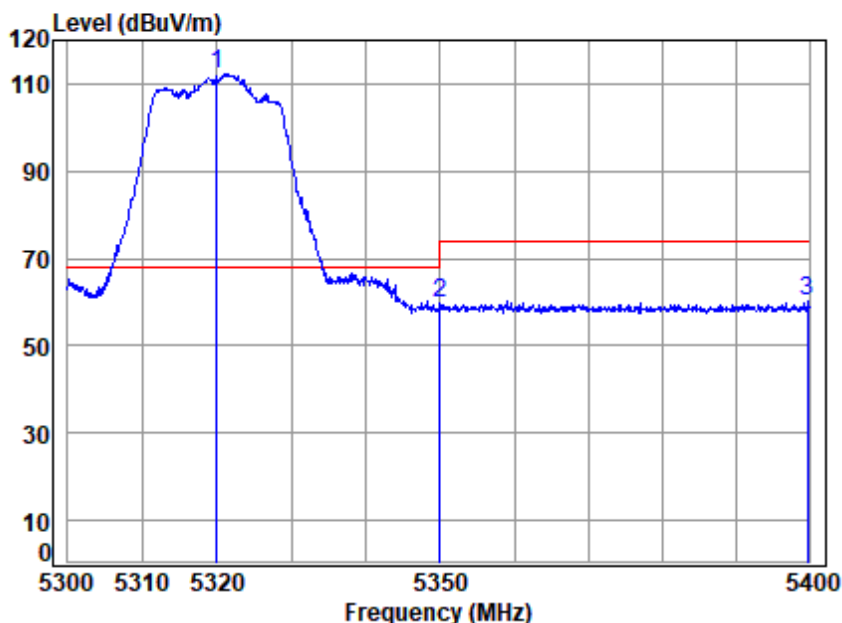
Mode : 5320 Band edge

: 5G WIFI 11N20

	Cable	Ant	Preamp	Read		Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 5320.000	10.35	32.74	30.77	81.93	94.25	-----	-----	Average
2 5350.020	10.45	32.80	30.76	32.93	45.42	54.00	-8.58	Average
3 pp 5382.868	10.56	32.80	30.75	33.24	45.85	54.00	-8.15	Average



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



Condition: 3m VERTICAL

Job No : 04436M0/04437M0

Mode : 5320 Band edge

: 5G WIFI 11N20

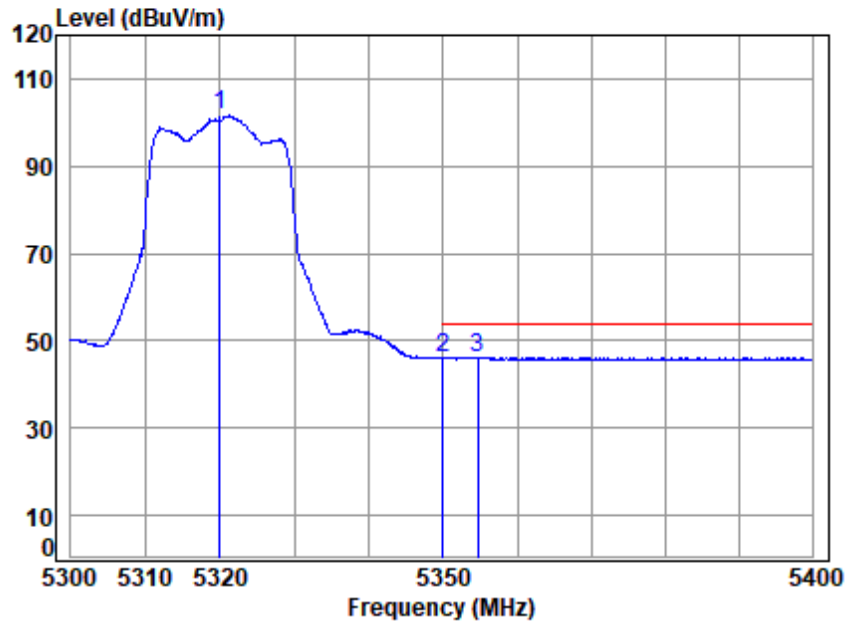
		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5320.000	10.35	32.74	30.77	99.97	112.29	68.20	44.09	Peak
2	5350.020	10.45	32.80	30.76	47.12	59.61	74.00	-14.39	Peak
3	5399.798	10.62	32.80	30.74	47.73	60.41	74.00	-13.59	Peak



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



Condition: 3m VERTICAL

Job No : 04436M0/04437M0

Mode : 5320 Band edge
: 5G WIFI 11N20

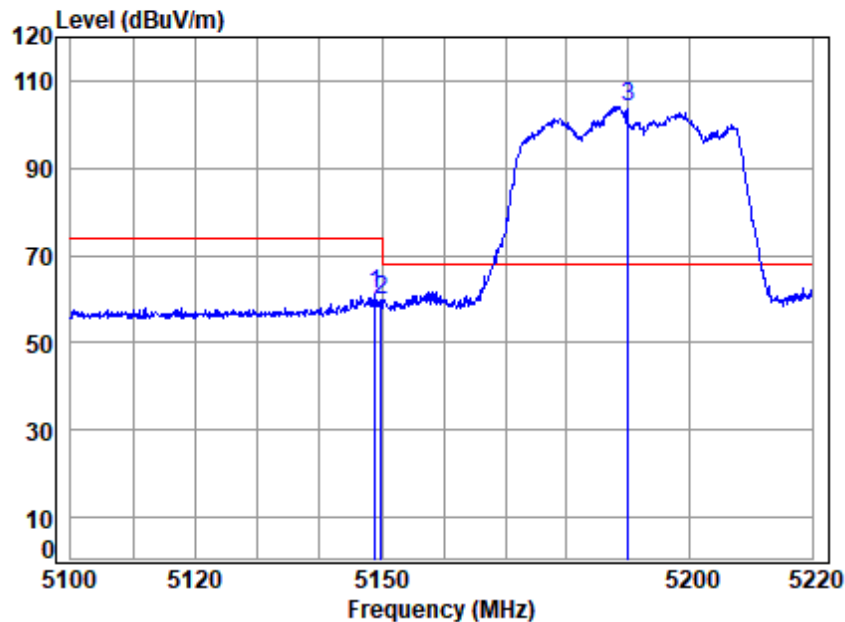
	Cable	Ant	Preamp	Read		Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 5320.000	10.35	32.74	30.77	89.26	101.58	-----	-----	Average
2 5350.020	10.45	32.80	30.76	33.51	46.00	54.00	-8.00	Average
3 pp 5354.668	10.47	32.80	30.76	33.69	46.20	54.00	-7.80	Average



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



Condition: 3m HORIZONTAL

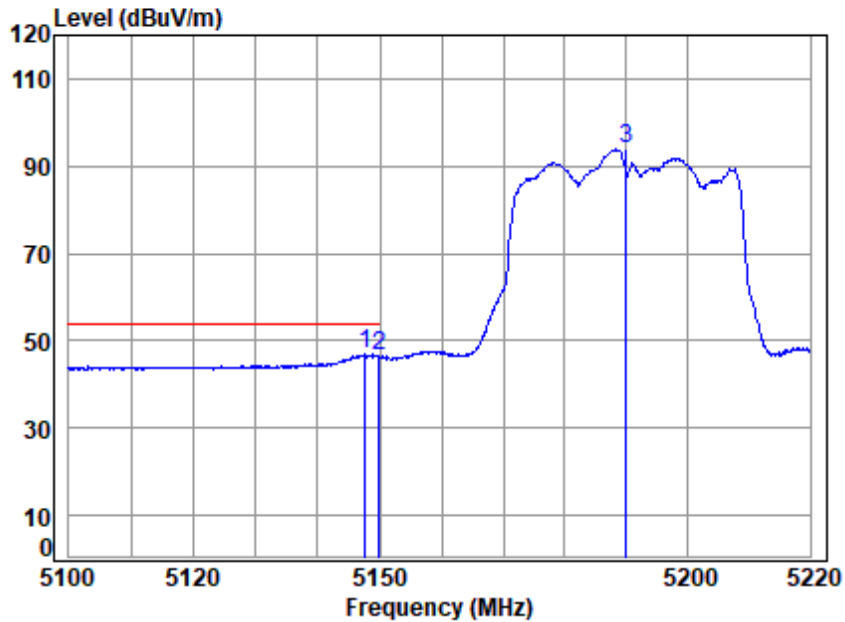
Job No : 04436MO/04437MO

Mode : 5190 Band edge
: 5G WIFI 11N40

	Cable	Ant	Preamp	Read		Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5148.863	10.14	32.40	30.84	49.50	61.20	74.00	-12.80 peak
2	5149.980	10.14	32.40	30.84	48.04	59.74	74.00	-14.26 peak
3	pp 5190.000	10.29	32.48	30.82	92.31	104.26	68.20	36.06 peak



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



Condition: 3m HORIZONTAL

Job No : 04436MO/04437MO

Mode : 5190 Band edge
: 5G WIFI 11N40

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5147.666	10.13	32.40	30.84	35.10	46.79	54.00	-7.21	Average
2	5149.980	10.14	32.40	30.84	34.91	46.61	54.00	-7.39	Average
3	5190.000	10.29	32.48	30.82	81.92	93.87	-----	-----	Average



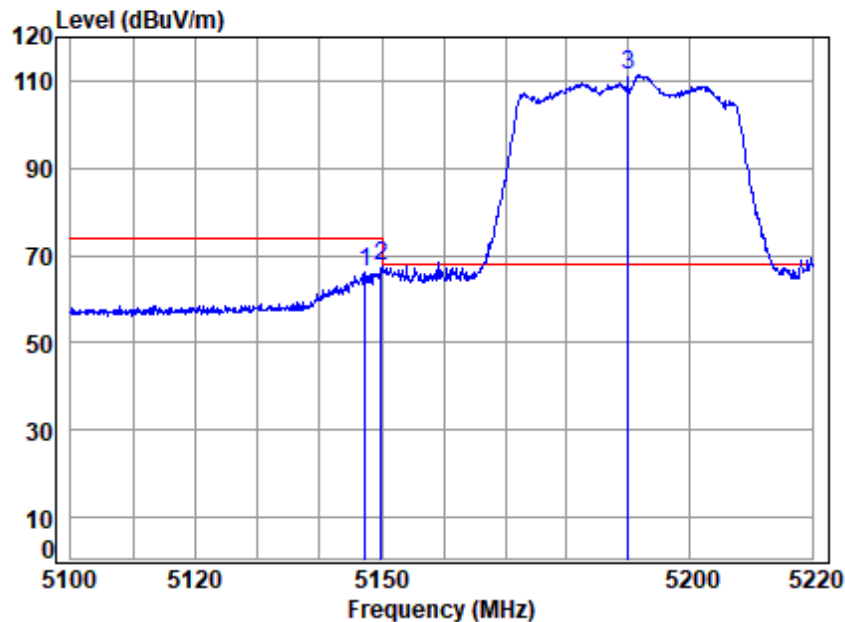
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Test Mode: 09; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



Condition: 3m VERTICAL

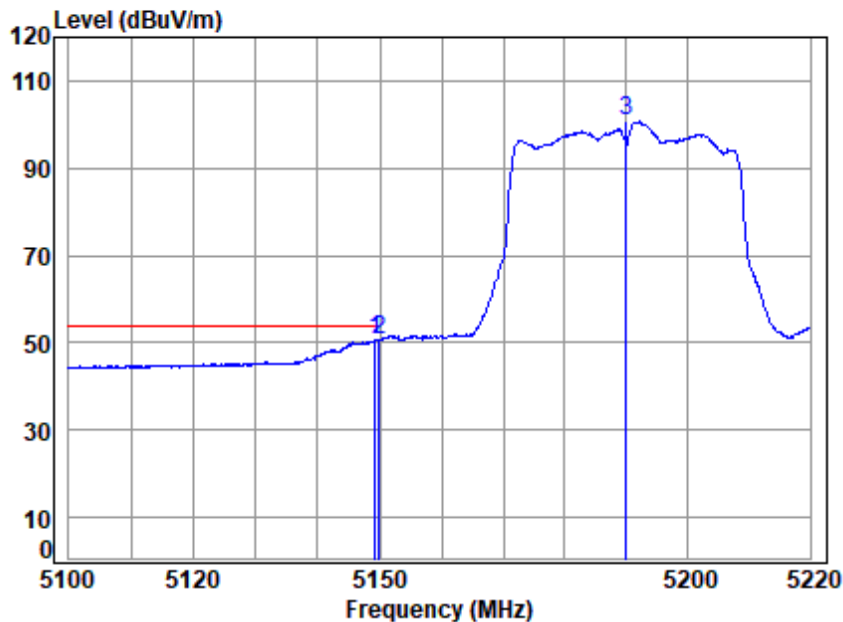
Job No : 04436M0/04437M0

Mode : 5190 Band edge
: 5G WIFI 11N40

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5147.306	10.13	32.39	30.84	54.69	66.37	74.00 -7.63 Peak
2	5149.980	10.14	32.40	30.84	55.82	67.52	74.00 -6.48 Peak
3	pp 5190.000	10.29	32.48	30.82	99.19	111.14	68.20 42.94 Peak



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



Condition: 3m VERTICAL

Job No : 04436M0/04437M0

Mode : 5190 Band edge
: 5G WIFI 11N40

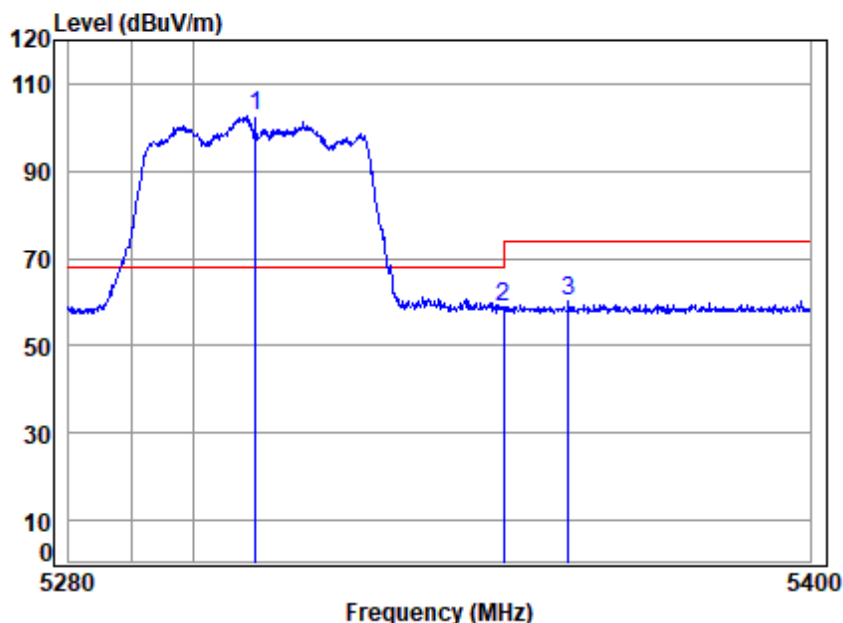
		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5149.342	10.14	32.40	30.84	38.85	50.55	54.00	-3.45 Average
2 pp	5149.980	10.14	32.40	30.84	39.09	50.79	54.00	-3.21 Average
3	5190.000	10.29	32.48	30.82	88.70	100.65	-----	----- Average



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



Condition: 3m HORIZONTAL

Job No : 04436MO/04437MO

Mode : 5310 Band edge

: 5G WIFI 11N40

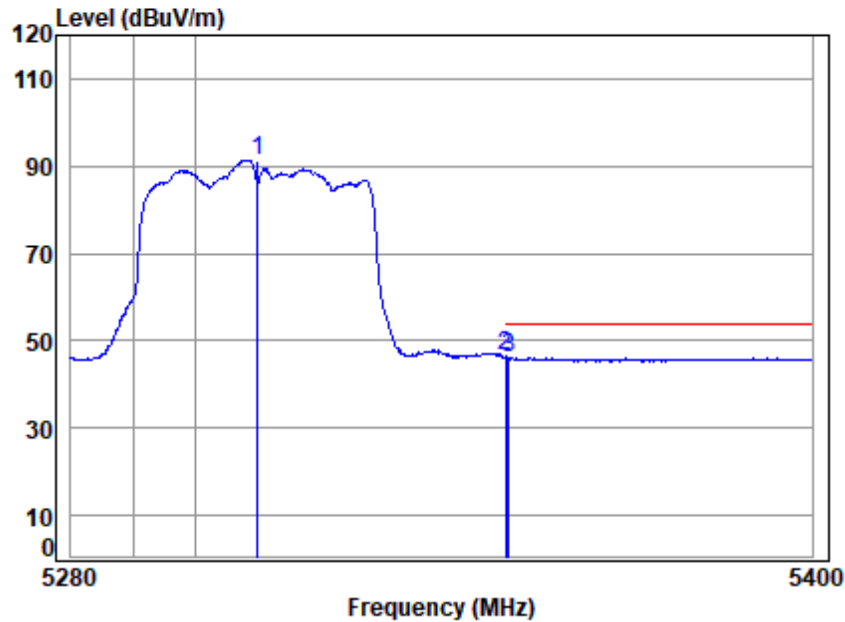
		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5310.000	10.31	32.72	30.78	90.23	102.48	68.20	34.28	peak
2	5350.020	10.45	32.80	30.76	46.48	58.97	74.00	-15.03	peak
3	5360.583	10.49	32.80	30.76	47.78	60.31	74.00	-13.69	peak



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



Condition: 3m HORIZONTAL

Job No : 04436MO/04437MO

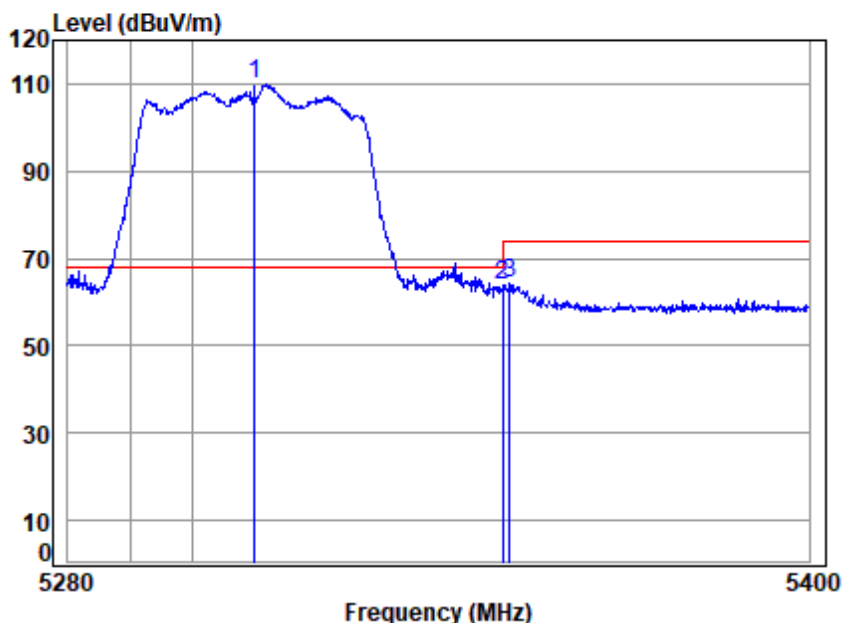
Mode : 5310 Band edge

: 5G WIFI 11N40

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5310.000	10.31	32.72	30.78	79.06	91.31	-----	-----	Average
2 pp	5350.020	10.45	32.80	30.76	33.95	46.44	54.00	-7.56	Average
3	5350.594	10.45	32.80	30.76	33.63	46.12	54.00	-7.88	Average



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



Condition: 3m VERTICAL

Job No : 04436M0/04437M0

Mode : 5310 Band edge

: 5G WIFI 11N40

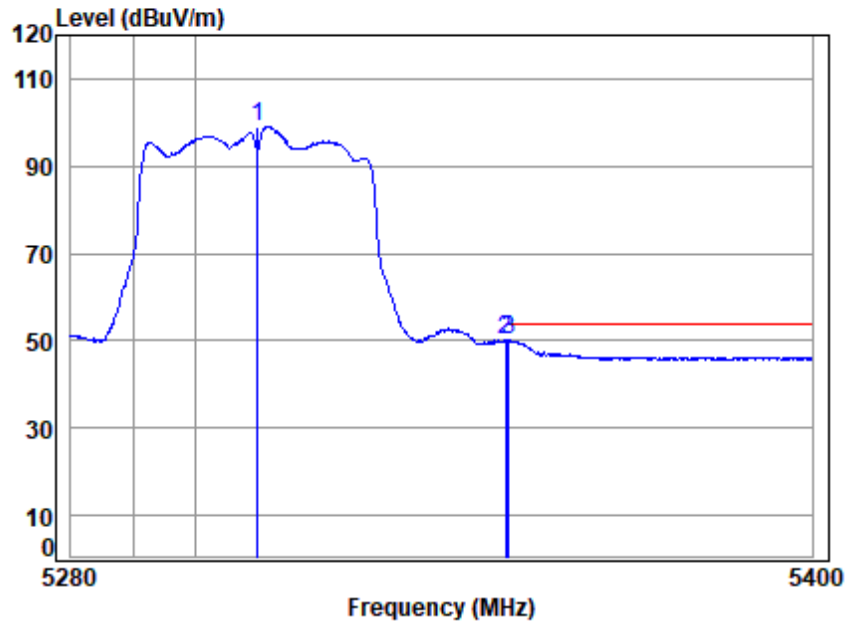
		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5310.000	10.31	32.72	30.78	97.67	109.92	68.20	41.72	Peak
2	5350.020	10.45	32.80	30.76	51.29	63.78	74.00	-10.22	Peak
3	5351.195	10.45	32.80	30.76	52.04	64.53	74.00	-9.47	Peak



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



Condition: 3m VERTICAL

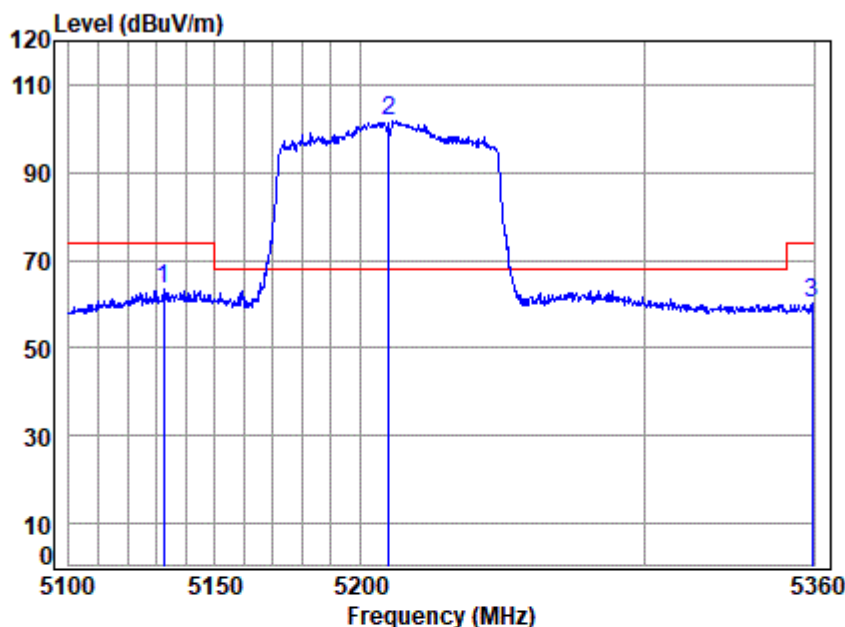
Job No : 04436M0/04437M0

Mode : 5310 Band edge
: 5G WIFI 11N40

	Cable	Ant	Preamp	Read		Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 5310.000	10.31	32.72	30.78	86.93	99.18	-----	-----	Average
2 5350.020	10.45	32.80	30.76	37.75	50.24	54.00	-3.76	Average
3 pp 5350.594	10.45	32.80	30.76	37.91	50.40	54.00	-3.60	Average



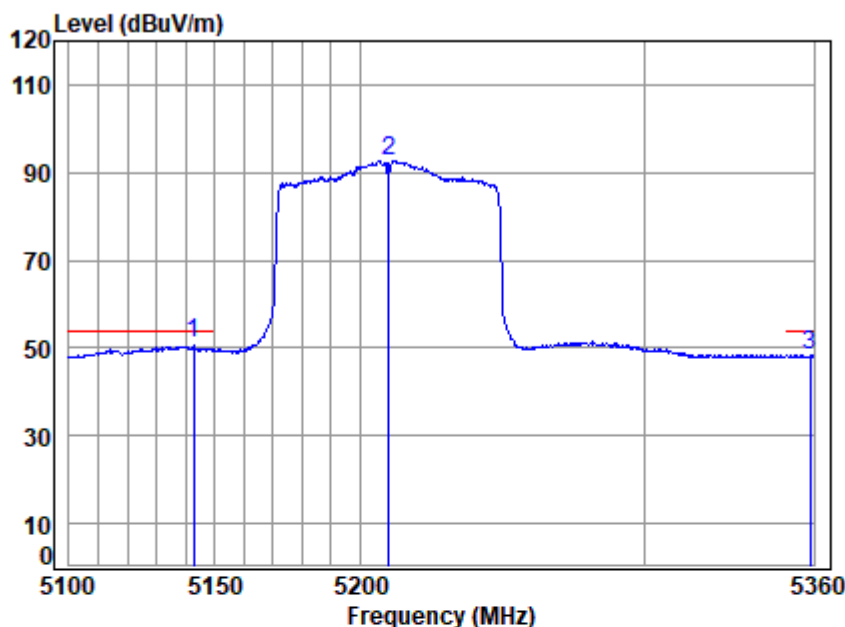
Test Mode: 09; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:80MHz; Channel:Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 04436MO
Mode : 5210 Band edge
: 5G WIFI 11AC80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5132.308	18.81	33.94	31.27	42.10	63.58	74.00	-10.42	peak
2 p	5210.000	18.92	34.02	31.31	80.30	101.93	68.20	33.73	peak
3	5359.467	19.12	34.44	31.39	37.90	60.07	74.00	-13.93	peak

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

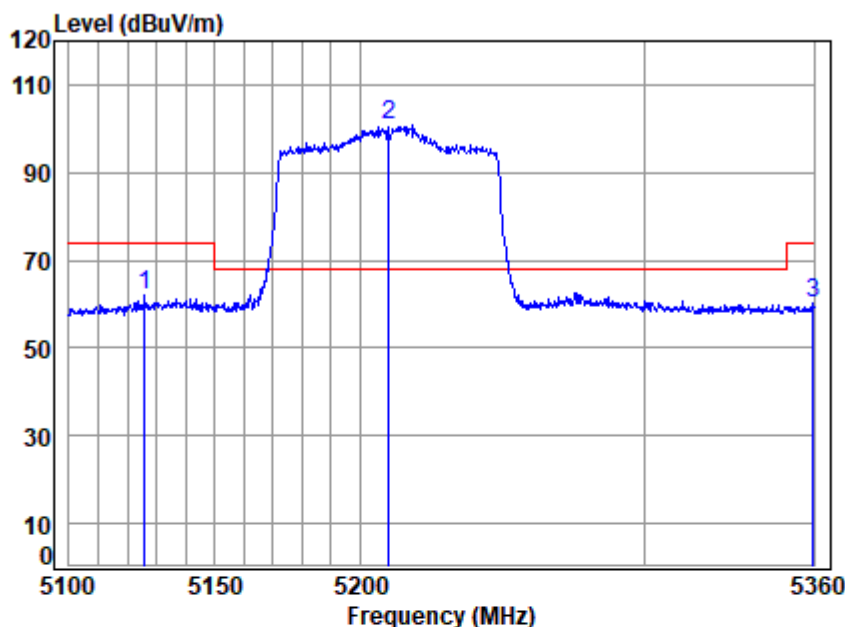


Site : chamber
Condition: 3m HORIZONTAL
Job No : 04436MO
Mode : 5210 Band edge
: 5G WIFI 11AC80

		Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 q 5142.526	18.82	33.91	31.28	29.45	50.90	54.00	-3.10	Average
2 5210.000	18.92	34.02	31.31	71.19	92.82	-----	-----	Average
3 5358.667	19.12	34.43	31.39	26.40	48.56	54.00	-5.44	Average



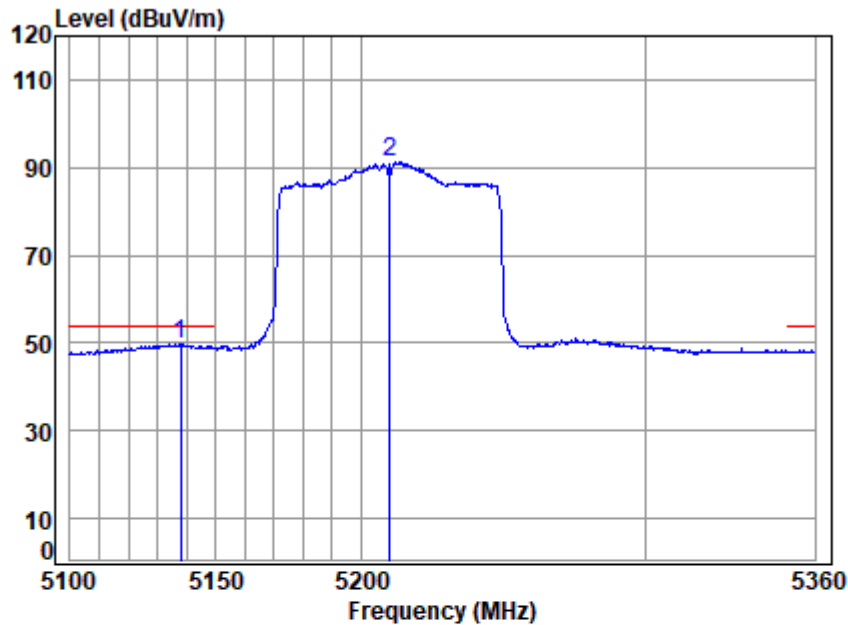
Test Mode: 09; Polarity: Vertical; Modulation:802.11ac; Bandwidth:80MHz; Channel:Low



Site : chamber
Condition: 3m VERTICAL
Job No : 04436MO
Mode : 5210 Band edge
: 5G WIFI 11AC80

		Cable	Ant	Preamp	Read		Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5125.932	18.80	33.95	31.27	40.49	61.97	74.00	-12.03	Peak
2 p	5210.000	18.92	34.02	31.31	79.16	100.79	68.20	32.59	Peak
3	5359.733	19.12	34.44	31.39	38.16	60.33	74.00	-13.67	Peak

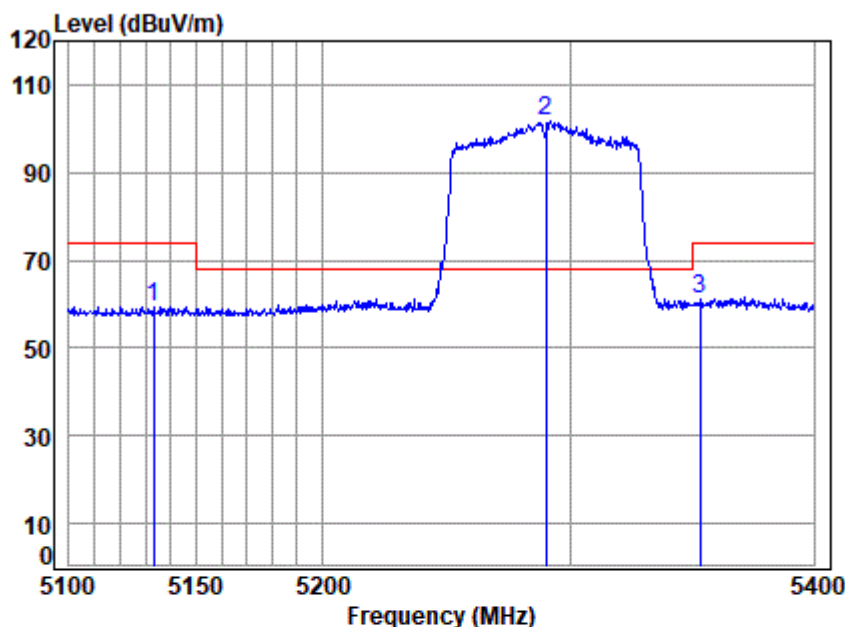
Test Mode: 09; Polarity: Vertical; Modulation:802.11ac; Bandwidth:80MHz; Channel:Low



Site : chamber
Condition: 3m VERTICAL
Job No : 04436MO
Mode : 5210 Band edge
: 5G WIFI 11AC80

		Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 q 5137.925	18.82	33.92	31.27	28.33	49.80	54.00	-4.20	Average
2 5210.000	18.92	34.02	31.31	69.68	91.31	-----	-----	Average
3 5360.000	19.12	34.44	31.39	26.04	48.21	54.00	-5.79	Average

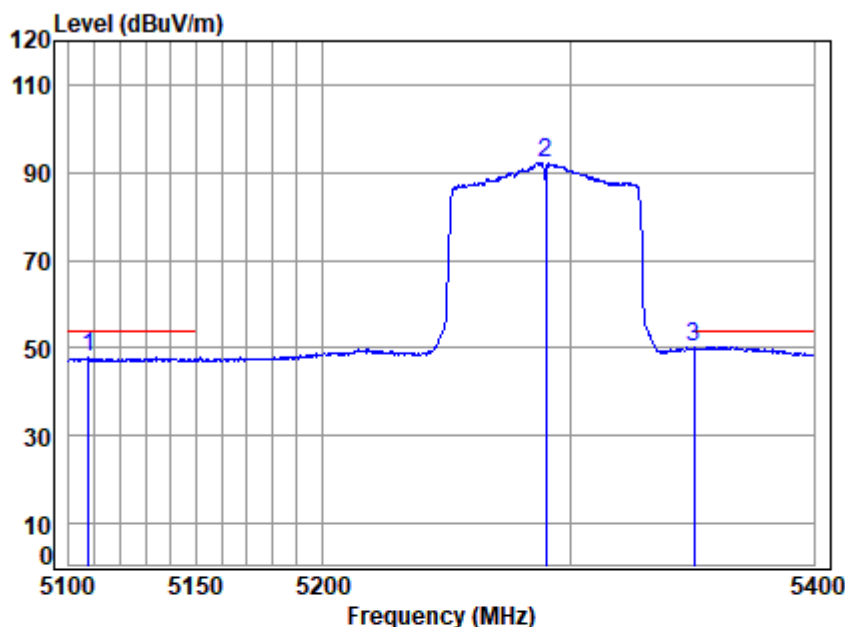
Test Mode: 10; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:80MHz; Channel:High



Site : chamber
Condition: 3m HORIZONTAL
Job No : 04436MO
Mode : 5290 Band edge
: 5G WIFI 11AC80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5133.340	18.81	33.93	31.27	38.05	59.52	74.00	-14.48	peak
2 p	5290.000	19.03	34.18	31.35	79.95	101.81	68.20	33.61	peak
3	5353.288	19.11	34.41	31.39	39.14	61.27	74.00	-12.73	peak

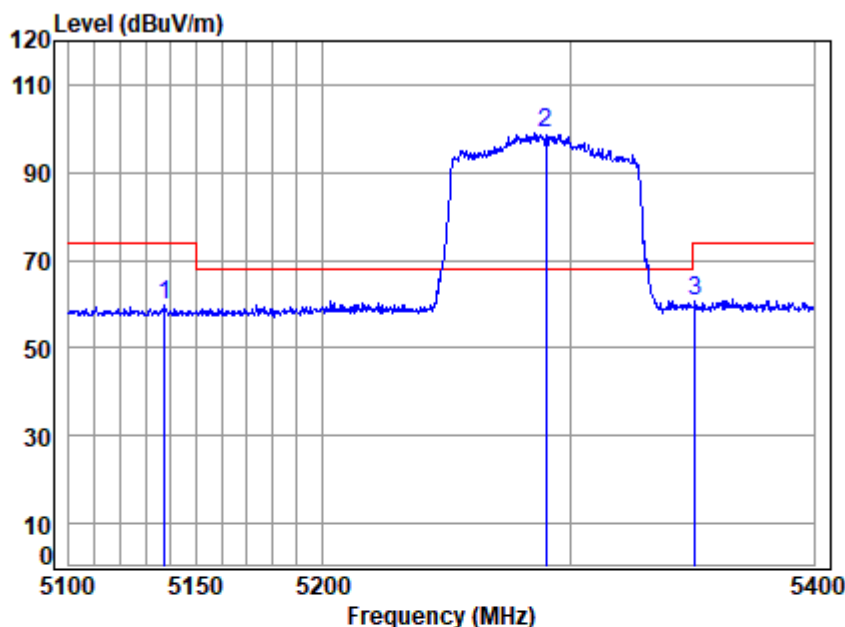
Test Mode: 10; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:80MHz; Channel:High



Site : chamber
Condition: 3m HORIZONTAL
Job No : 04436MO
Mode : 5290 Band edge
: 5G WIFI 11AC80

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Limit	Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5107.585	18.77	33.98	31.26	26.27	47.76	54.00	-6.24 Average
2	5290.000	19.03	34.18	31.35	70.45	92.31	-----	----- Average
3 q	5350.535	19.11	34.40	31.39	28.08	50.20	54.00	-3.80 Average

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

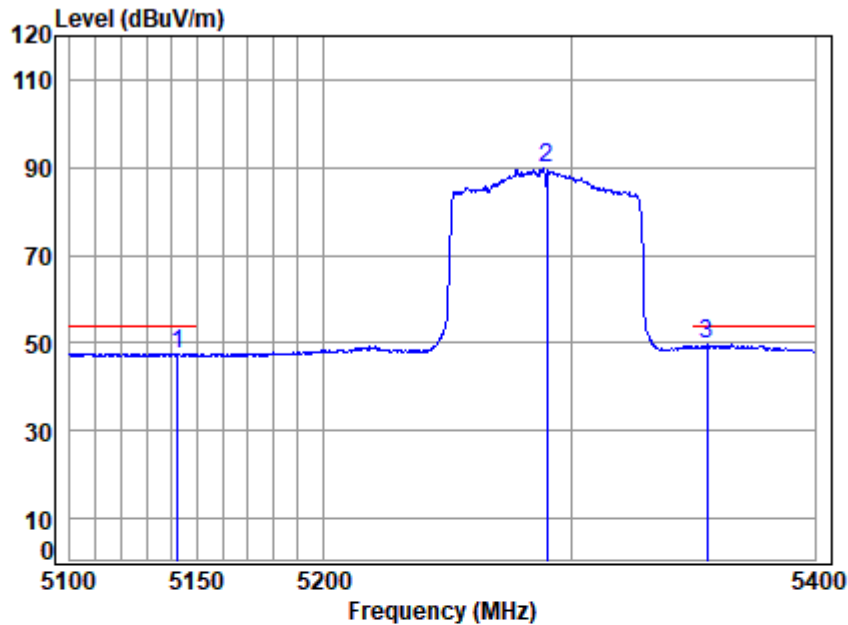


Site : chamber
Condition: 3m VERTICAL
Job No : 04436MO
Mode : 5290 Band edge
: 5G WIFI 11AC80

		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5137.744	18.82	33.92	31.27	38.35	59.82	74.00	-14.18 Peak
2 p	5290.000	19.03	34.18	31.35	77.11	98.97	68.20	30.77 Peak
3	5351.146	19.11	34.40	31.39	38.47	60.59	74.00	-13.41 Peak



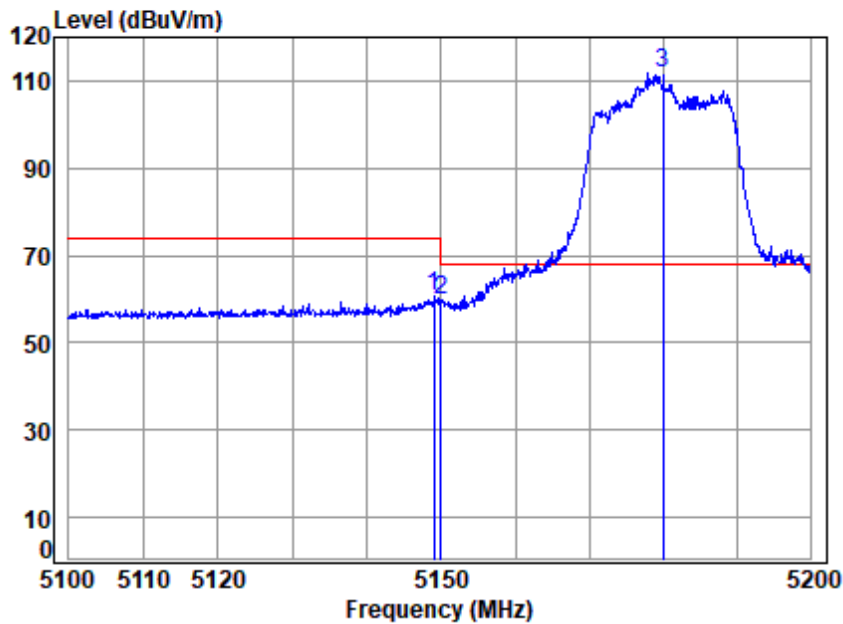
Test Mode: 10; Polarity: Vertical; Modulation:802.11ac; Bandwidth:80MHz; Channel:High



Site : chamber
Condition: 3m VERTICAL
Job No : 04436MO
Mode : 5290 Band edge
: 5G WIFI 11AC80

		Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 5142.150	18.82	33.92	31.28	26.15	47.61	54.00	-6.39	Average
2 5290.000	19.03	34.18	31.35	67.88	89.74	-----	-----	Average
3 q 5355.736	19.12	34.42	31.39	27.39	49.54	54.00	-4.46	Average

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



Condition: 3m HORIZONTAL

Job No : 04436MO/04437MO

Mode : 5180 Band edge

: 5G WIFI 11AX20

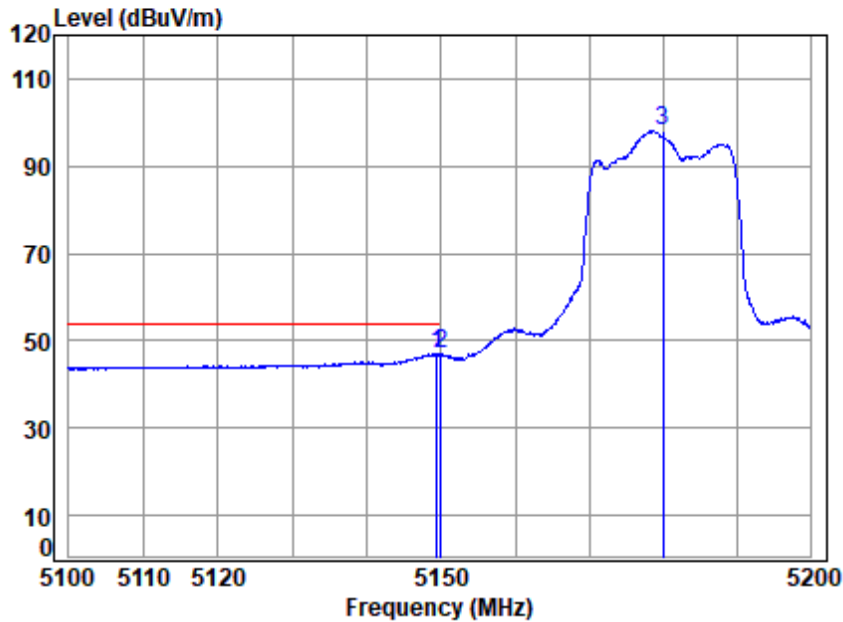
	Cable	Ant	Preamp	Read		Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 5149.057	10.14	32.40	30.84	48.86	60.56	74.00	-13.44	peak
2 5149.980	10.14	32.40	30.84	48.28	59.98	74.00	-14.02	peak
3 pp 5180.000	10.25	32.46	30.83	100.06	111.94	68.20	43.74	peak



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



Condition: 3m HORIZONTAL

Job No : 04436MO/04437MO

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 pp	5149.458	10.14	32.40	30.84	35.18	46.88	54.00	-7.12	Average
2	5149.980	10.14	32.40	30.84	35.16	46.86	54.00	-7.14	Average
3	5180.000	10.25	32.46	30.83	86.12	98.00	-----	-----	Average



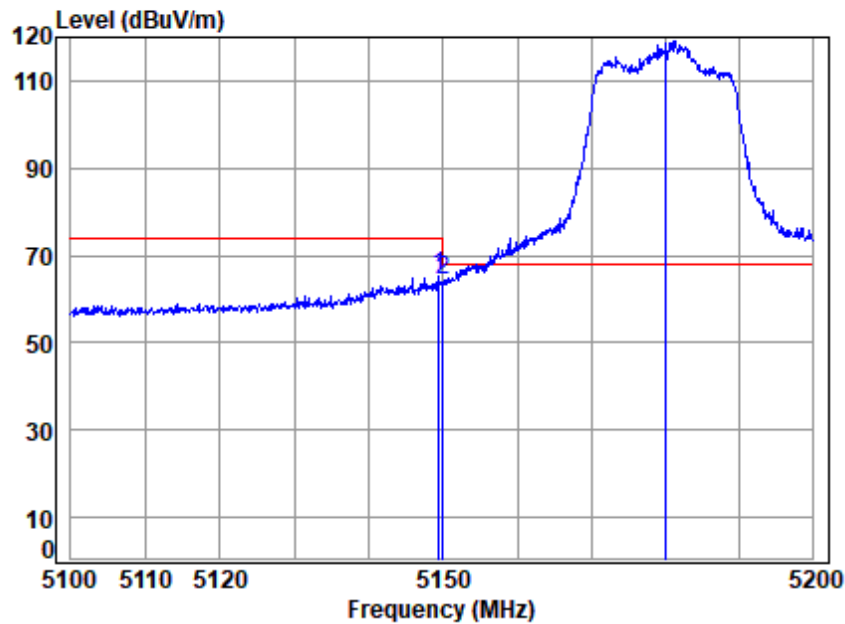
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Test Mode: 09; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:Low



Condition: 3m VERTICAL

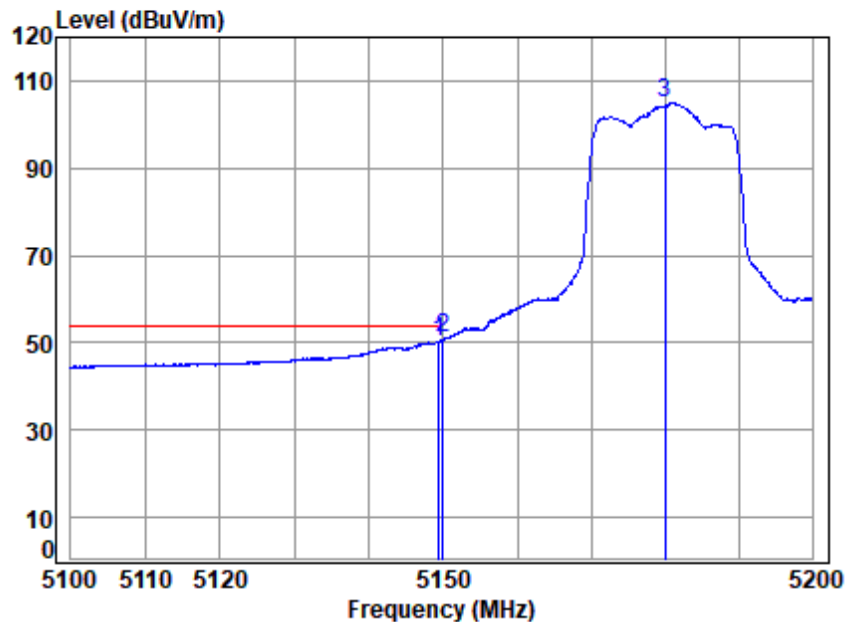
Job No : 04436M0/04437M0

Mode : 5180 Band edge
: 5G WIFI 11AX20

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5149.458	10.14	32.40	30.84	53.35	65.05	74.00 -8.95 Peak
2	5149.980	10.14	32.40	30.84	52.47	64.17	74.00 -9.83 Peak
3	pp 5180.000	10.25	32.46	30.83	107.31	119.19	68.20 50.99 Peak



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



Condition: 3m VERTICAL

Job No : 04436M0/04437M0

Mode : 5180 Band edge

: 5G WIFI 11AX20

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5149.458	10.14	32.40	30.84	38.59	50.29	54.00	-3.71	Average
2 pp	5149.980	10.14	32.40	30.84	39.19	50.89	54.00	-3.11	Average
3	5180.000	10.25	32.46	30.83	93.19	105.07	-----	-----	Average



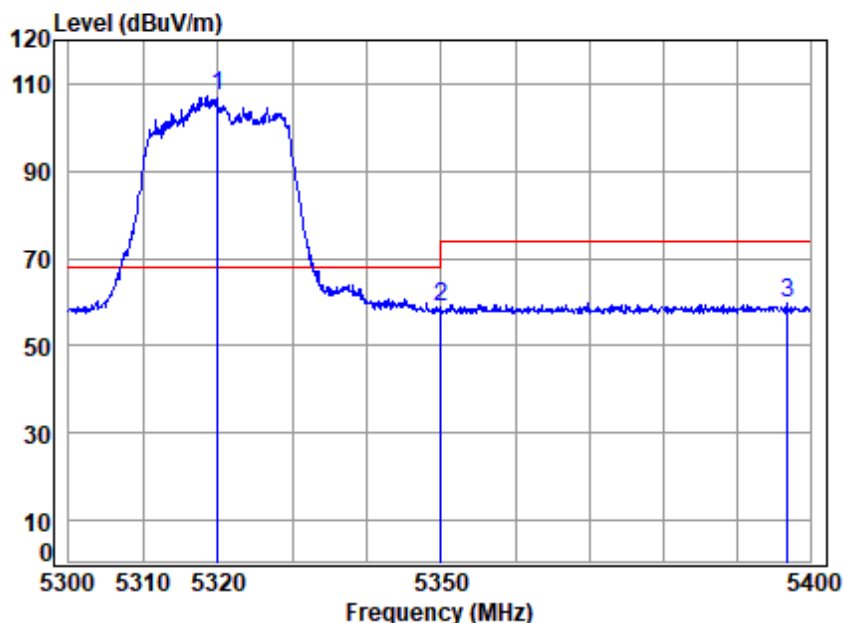
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SZEMC-TRF-01 Rev. A/1

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



Condition: 3m HORIZONTAL

Job No : 04436MO/04437MO

Mode : 5320 Band edge

: 5G WIFI 11AX20

		Cable	Ant	Preamp	Read		Limit	Over	
Freq	Loss	Factor	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp 5320.000	10.35	32.74	30.77	94.88	107.20	68.20	39.00	peak	
2 5350.020	10.45	32.80	30.76	46.50	58.99	74.00	-15.01	peak	
3 5396.872	10.61	32.80	30.74	47.02	59.69	74.00	-14.31	peak	



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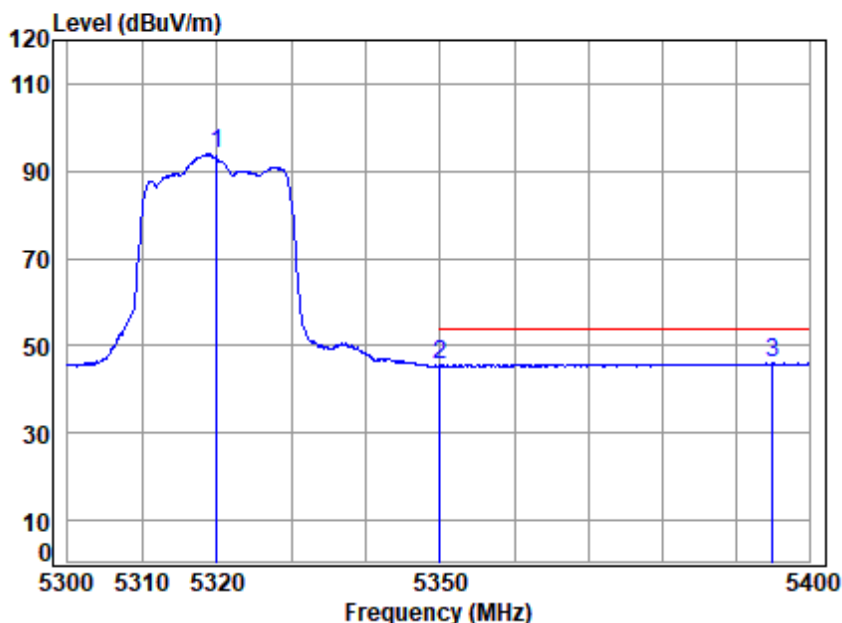
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SZEMC-TRF-01 Rev. A/1

Report No.: SZCR241100443604

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



Condition: 3m HORIZONTAL

Job No : 04436MO/04437MO

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 5320.000	10.35	32.74	30.77	81.69	94.01	-----	-----	Average
2 5350.020	10.45	32.80	30.76	33.00	45.49	54.00	-8.51	Average
3 pp 5395.056	10.60	32.80	30.74	33.32	45.98	54.00	-8.02	Average



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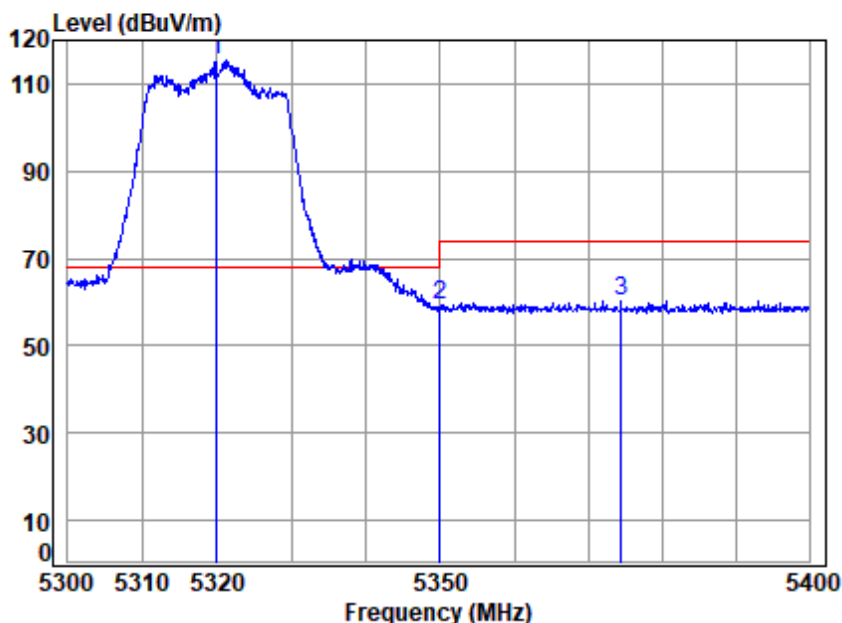
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Test Mode: 10; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:High



Condition: 3m VERTICAL

Job No : 04436M0/04437M0

Mode : 5320 Band edge
: 5G WIFI 11AX20

		Cable	Ant	Preamp	Read		Limit	Over	
Freq	Loss	Factor	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp 5320.000	10.35	32.74	30.77	103.34	115.66	68.20	47.46	Peak	
2 5350.020	10.45	32.80	30.76	46.62	59.11	74.00	-14.89	Peak	
3 5374.423	10.53	32.80	30.75	47.80	60.38	74.00	-13.62	Peak	



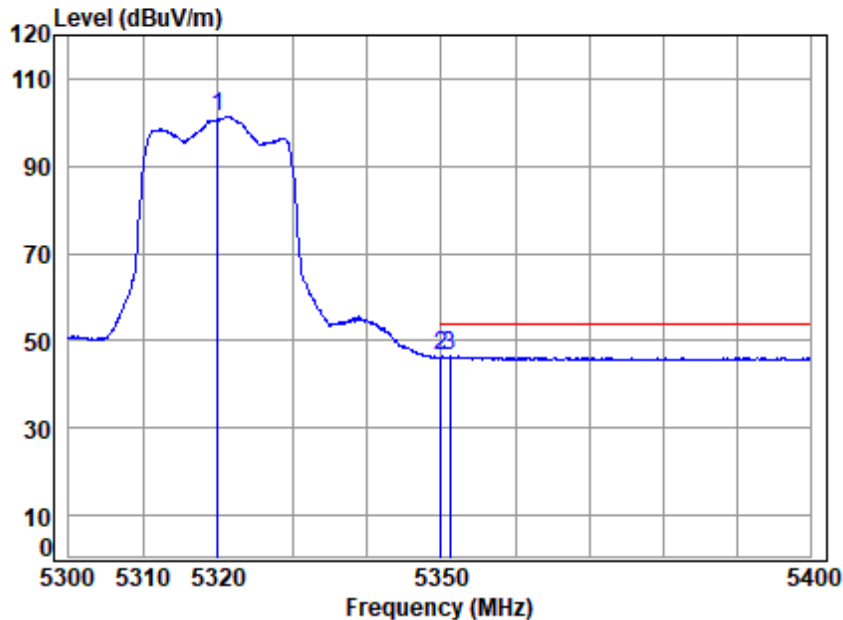
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Test Mode: 10; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:High



Condition: 3m VERTICAL

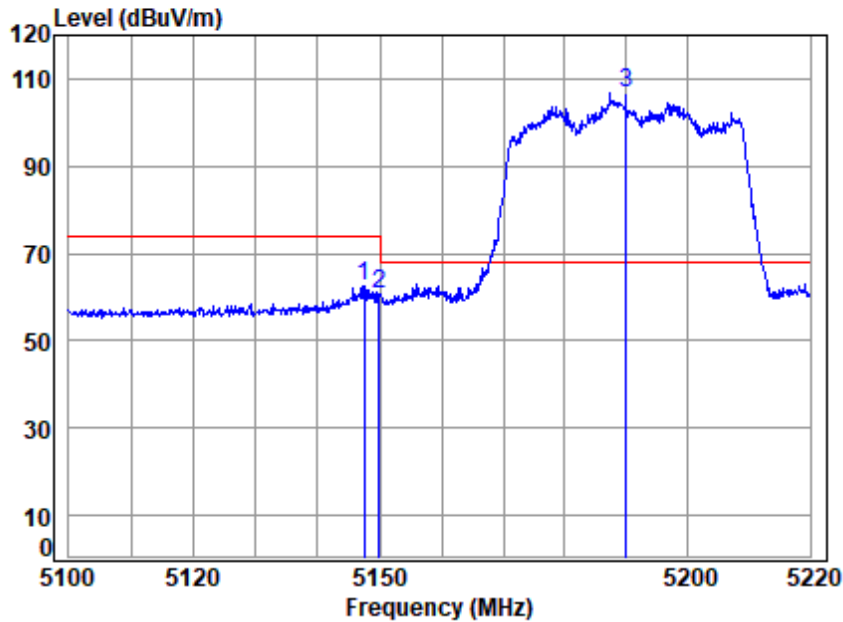
Job No : 04436M0/04437M0

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	5320.000	10.35	32.74	30.77	89.05	101.37	-----	-----	Average
2	5350.020	10.45	32.80	30.76	33.84	46.33	54.00	-7.67	Average
3 pp	5351.167	10.45	32.80	30.76	34.13	46.62	54.00	-7.38	Average



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



Condition: 3m HORIZONTAL

Job No : 04436M0/04437M0

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	
5147.545	10.13	32.40	30.84	50.92	62.61	74.00	-11.39	peak
5149.980	10.14	32.40	30.84	49.06	60.76	74.00	-13.24	peak
5190.000	10.29	32.48	30.82	94.85	106.80	68.20	38.60	peak



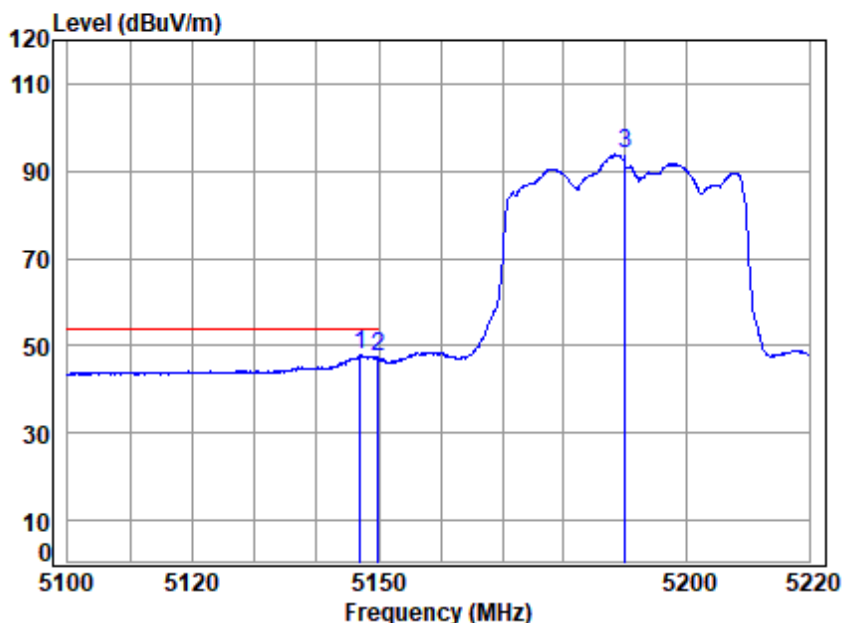
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SZEMC-TRF-01 Rev. A/1

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



Condition: 3m HORIZONTAL

Job No : 04436M0/04437M0

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 pp	5146.947	10.13	32.39	30.84	36.06	47.74	54.00	-6.26	Average
2	5149.980	10.14	32.40	30.84	35.57	47.27	54.00	-6.73	Average
3	5190.000	10.29	32.48	30.82	81.90	93.85	-----	-----	Average



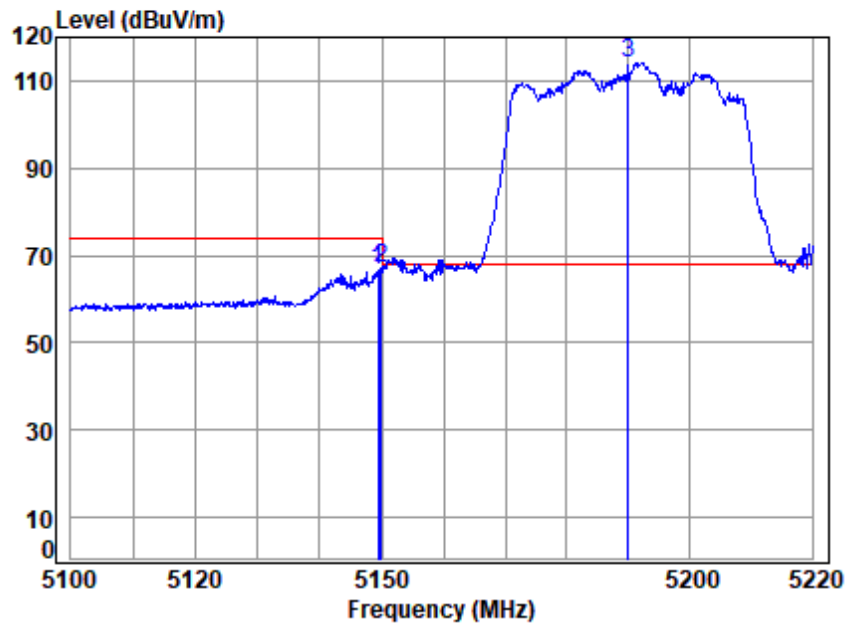
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Test Mode: 09; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:Low



Condition: 3m VERTICAL

Job No : 04436M0/04437M0

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	5149.461	10.14	32.40	30.84	54.93	66.63	74.00	-7.37 Peak
2	5149.980	10.14	32.40	30.84	55.18	66.88	74.00	-7.12 Peak
3	pp 5190.000	10.30	32.48	30.82	102.20	114.16	68.20	45.96 Peak



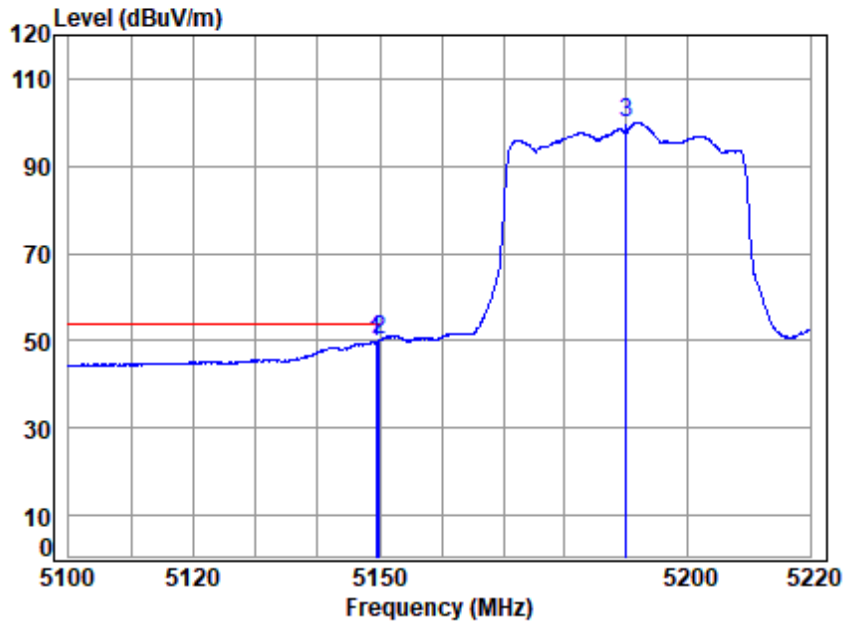
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Test Mode: 09; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:Low



Condition: 3m VERTICAL

Job No : 04436M0/04437M0

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	5149.461	10.14	32.40	30.84	38.10	49.80	54.00	-4.20 Average
2 pp	5149.980	10.14	32.40	30.84	38.32	50.02	54.00	-3.98 Average
3	5190.000	10.30	32.48	30.82	87.92	99.88	-----	----- Average



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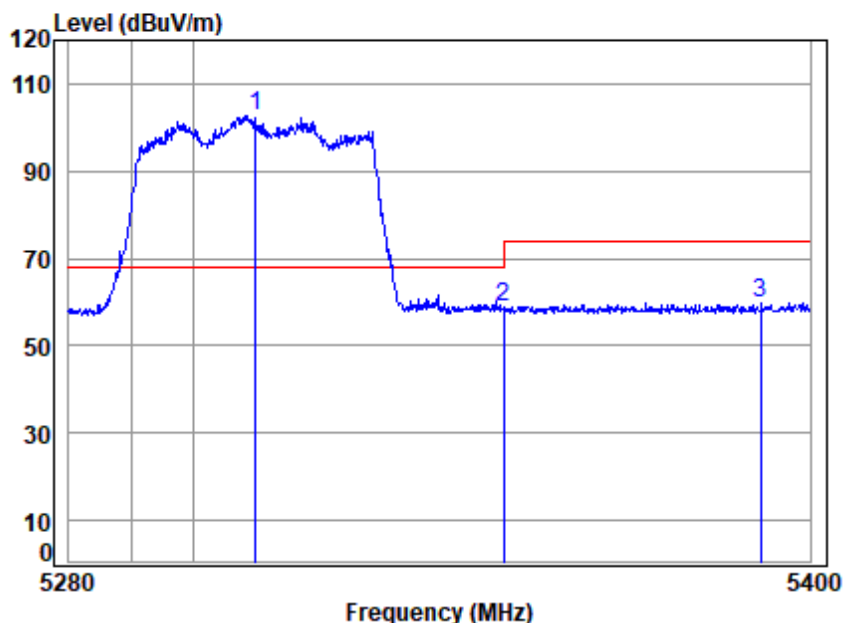
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Test Mode: 10; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:High



Condition: 3m HORIZONTAL

Job No : 04436MO/04437MO

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 pp	5310.000	10.31	32.72	30.78	90.48	102.73	68.20	34.53	peak
2	5350.020	10.45	32.80	30.76	46.32	58.81	74.00	-15.19	peak
3	5391.997	10.59	32.80	30.74	47.25	59.90	74.00	-14.10	peak



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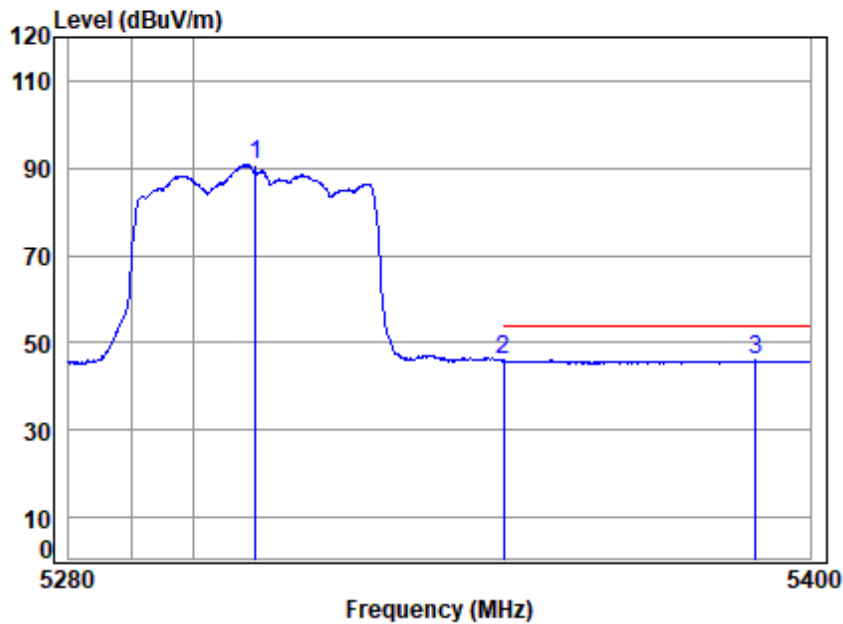
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Test Mode: 10; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:High



Condition: 3m HORIZONTAL

Job No : 04436MO/04437MO

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	10.31	32.72	30.78	78.45	90.70	-----	----- Average
2 pp 5350.020	10.45	32.80	30.76	33.76	46.25	54.00	-7.75 Average
3 5391.148	10.59	32.80	30.74	33.28	45.93	54.00	-8.07 Average



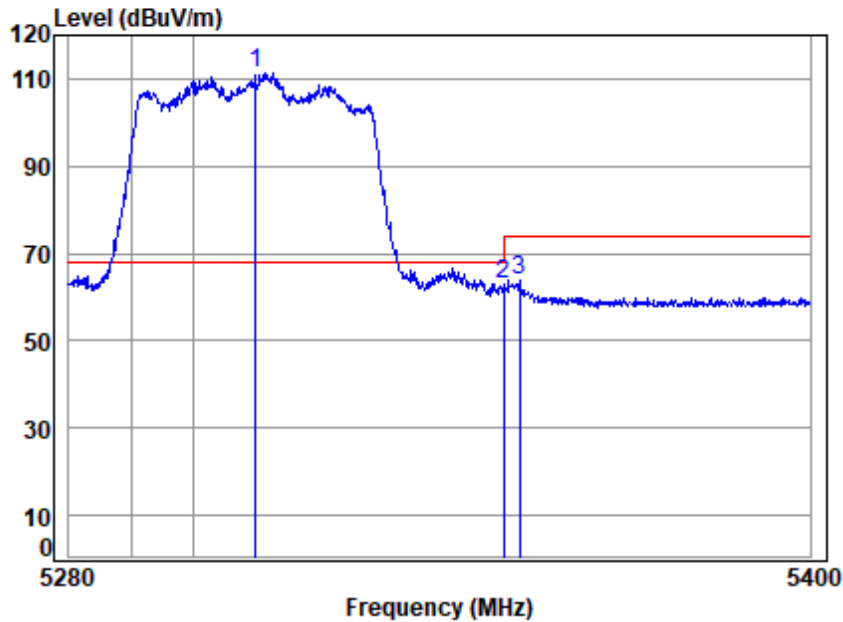
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Test Mode: 10; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:High



Condition: 3m VERTICAL

Job No : 04436M0/04437M0

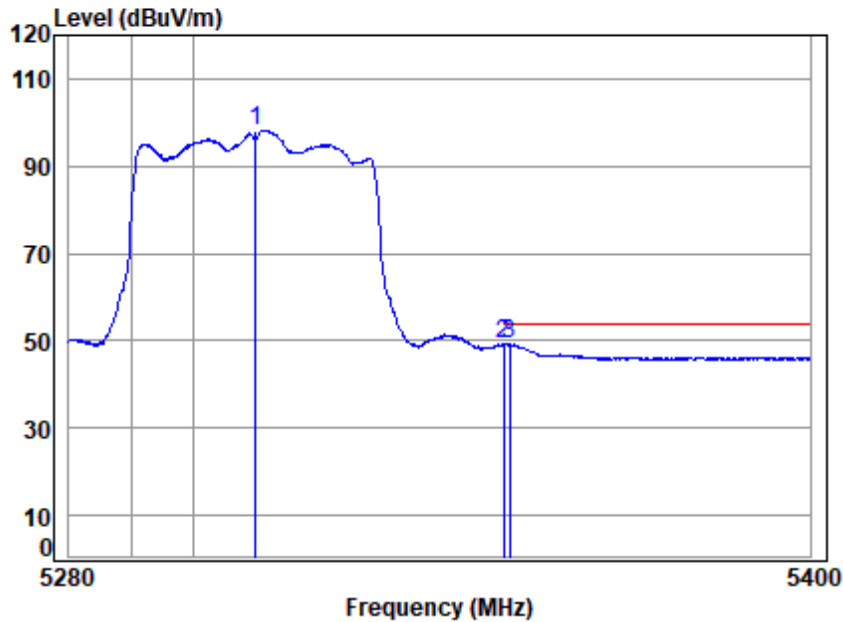
Mode : 5310 Band edge

: 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 pp	5310.000	10.31	32.72	30.78	98.89	111.14	68.20	42.94	Peak
2	5350.020	10.45	32.80	30.76	50.53	63.02	74.00	-10.98	Peak
3	5352.638	10.46	32.80	30.76	51.43	63.93	74.00	-10.07	Peak



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



Condition: 3m VERTICAL

Job No : 04436M0/04437M0

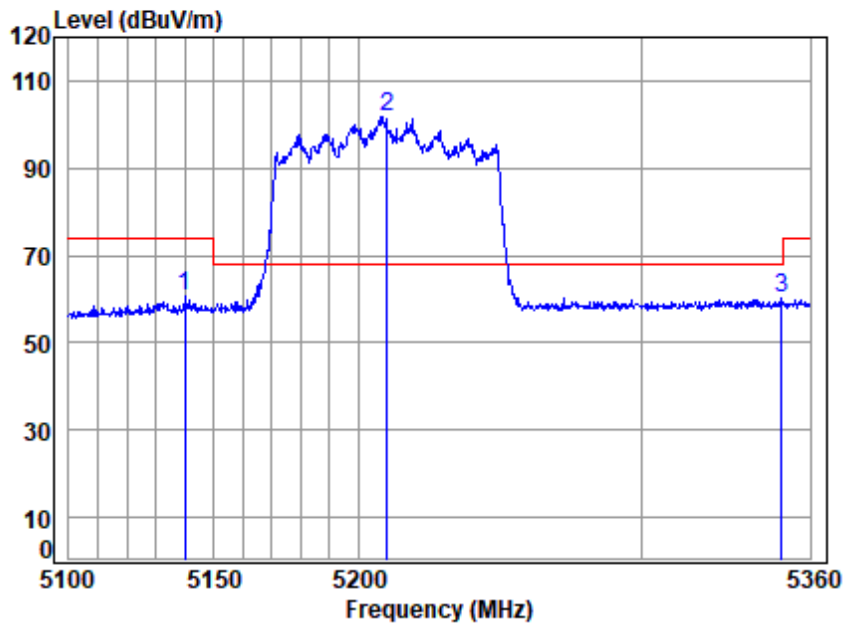
Mode : 5310 Band edge

: 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	10.31	32.72	30.78	85.96	98.21	-----	-----	Average
2 5350.020	10.45	32.80	30.76	36.76	49.25	54.00	-4.75	Average
3 pp 5351.075	10.45	32.80	30.76	36.79	49.28	54.00	-4.72	Average



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



Condition: 3m HORIZONTAL

Job No : 04436MO/04437MO

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	5139.969	10.10	32.38	30.84	48.94	60.58	74.00	-13.42	peak
2 pp	5210.000	10.32	32.52	30.82	89.80	101.82	68.20	33.62	peak
3	5349.882	10.45	32.80	30.76	47.74	60.23	68.20	-7.97	peak



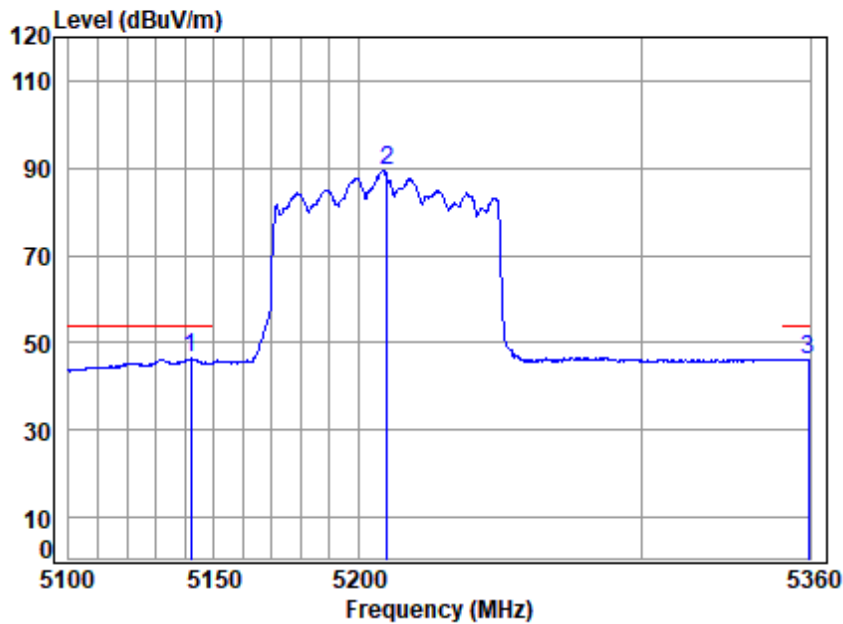
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Test Mode: 09; Polarity: Horizontal; Modulation: 802.11ax(Full RU0); Bandwidth: 80MHz; Channel: Low



Condition: 3m HORIZONTAL

Job No : 04436MO/04437MO

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 pp	5142.014	10.11	32.38	30.84	34.68	46.33	54.00	-7.67	Average
2	5210.000	10.32	32.52	30.82	77.47	89.49	-----	-----	Average
3	5359.467	10.48	32.80	30.76	33.74	46.26	54.00	-7.74	Average



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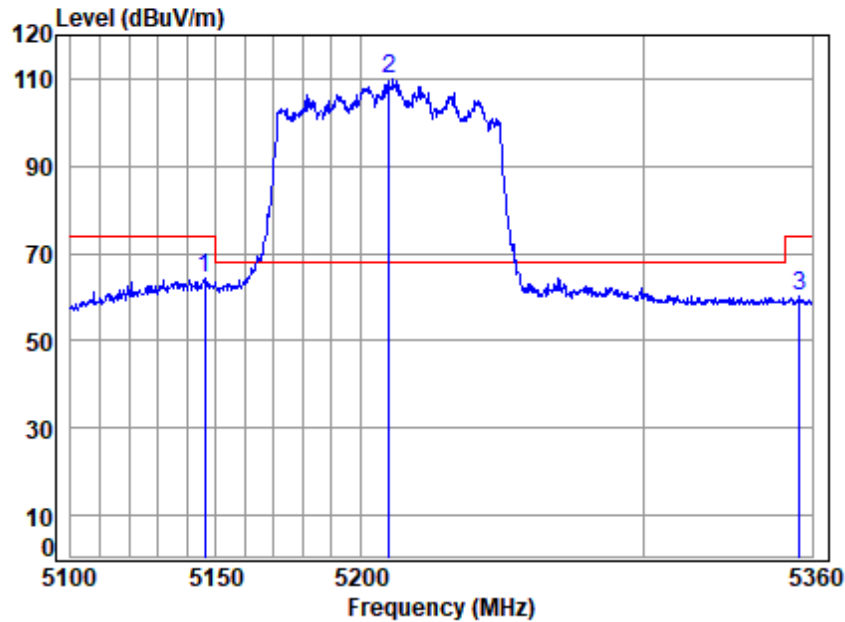
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Test Mode: 09; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:80MHz; Channel:Low



Condition: 3m VERTICAL

Job No : 04436M0/04437M0

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	5146.107	10.13	32.39	30.84	52.79	64.47	74.00	-9.53 Peak
2 pp	5210.000	10.32	32.52	30.82	98.07	110.09	68.20	41.89 Peak
3	5355.471	10.47	32.80	30.76	47.77	60.28	74.00	-13.72 Peak



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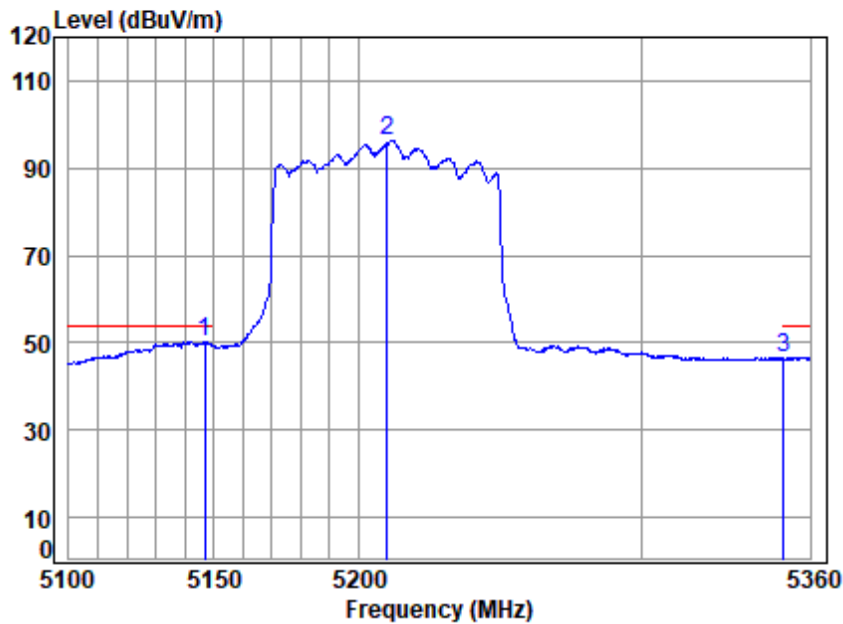
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Test Mode: 09; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:80MHz; Channel:Low



Condition: 3m VERTICAL

Job No : 04436M0/04437M0

Mode : 5210 Band edge
: 5G WIFI 11AX80

		Cable	Ant	Preamp	Read		Limit	Over	
Freq	Loss	Factor	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp 5146.875	10.13	32.39	30.84	38.65	50.33	54.00	-3.67	Average	
2 5210.000	10.32	32.52	30.82	84.27	96.29	-----	-----	Average	
3 5350.414	10.45	32.80	30.76	34.01	46.50	54.00	-7.50	Average	



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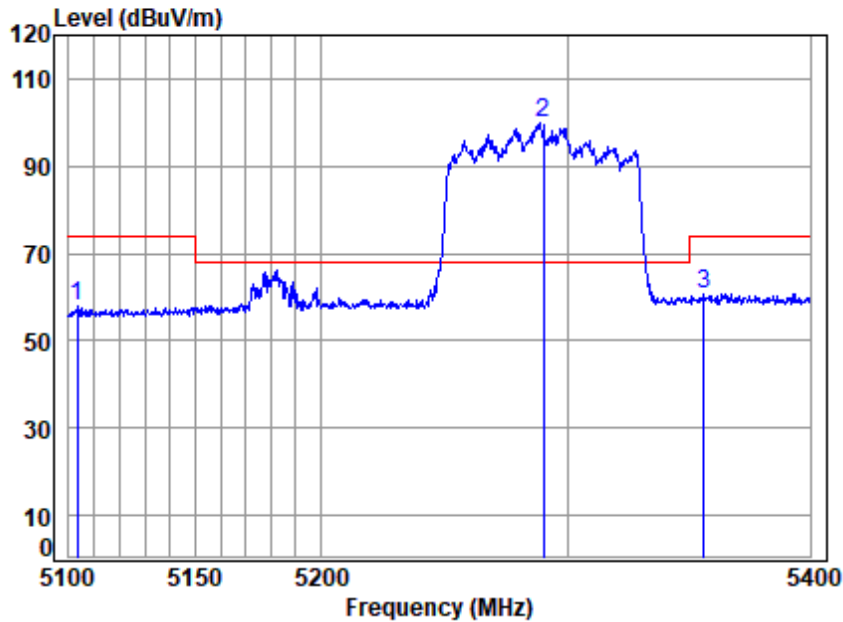
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SZEMC-TRF-01 Rev. A/1

Report No.: SZCR241100443604

Page: 132 of 622

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



Condition: 3m HORIZONTAL

Job No : 04436MO/04437MO

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	5103.208	9.96	32.31	30.86	46.34	57.75	74.00	-16.25	peak
2 pp	5290.000	10.28	32.68	30.78	87.82	100.00	68.20	31.80	peak
3	5356.042	10.47	32.80	30.76	47.95	60.46	74.00	-13.54	peak



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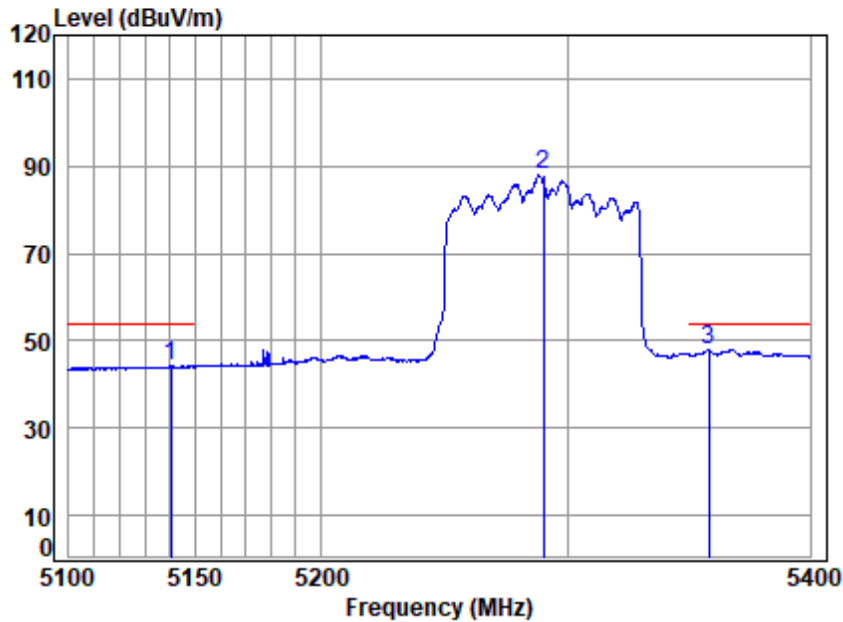
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SZEMC-TRF-01 Rev. A/1

Report No.: SZCR241100443604

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



Condition: 3m HORIZONTAL

Job No : 04436M0/04437M0

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 5140.387	10.10	32.38	30.84	32.66	44.30	54.00	-9.70	Average
2 5290.000	10.28	32.68	30.78	75.68	87.86	-----	-----	Average
3 pp 5358.186	10.48	32.80	30.76	35.36	47.88	54.00	-6.12	Average



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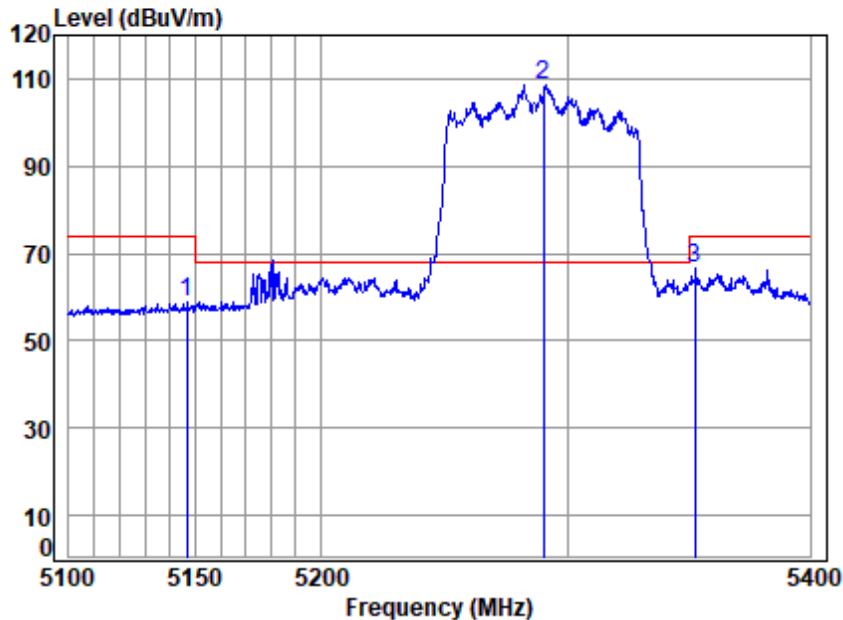
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Report No.: SZCR241100443604

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



Condition: 3m VERTICAL

Job No : 04436M0/04437M0

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	5146.855	10.13	32.39	30.84	47.18	58.86	74.00	-15.14	Peak
2 pp	5290.000	10.28	32.68	30.78	96.52	108.70	68.20	40.50	Peak
3	5352.370	10.46	32.80	30.76	53.94	66.44	74.00	-7.56	Peak



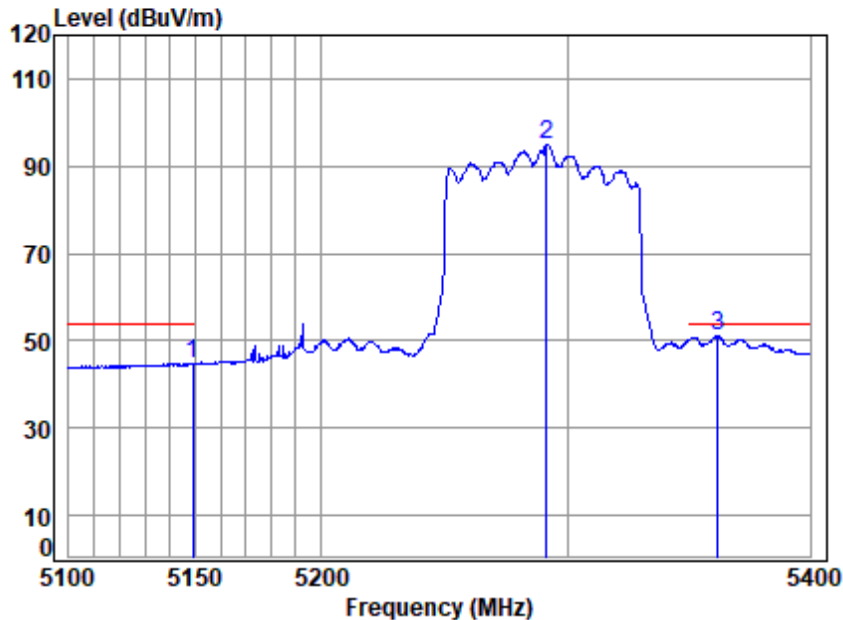
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Test Mode: 10; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:80MHz; Channel:High



Condition: 3m VERTICAL

Job No : 04436M0/04437M0

Mode : 5290 Band edge
: 5G WIFI 11AX80

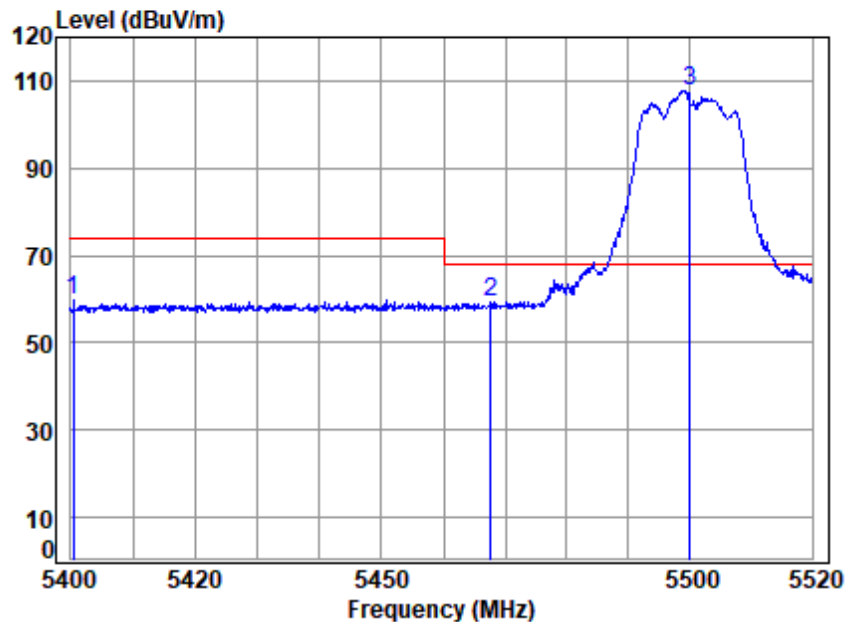
		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5148.915	10.14	32.40	30.84	32.98	44.68	54.00	-9.32	Average
2	5291.532	10.28	32.68	30.78	82.84	95.02	-----	-----	Average
3 pp	5361.556	10.49	32.80	30.76	38.43	50.96	54.00	-3.04	Average



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



Condition: 3m HORIZONTAL

Job No : 04436MO/04437MO

Mode : 5500 Band edge

: 5G WIFI 11A

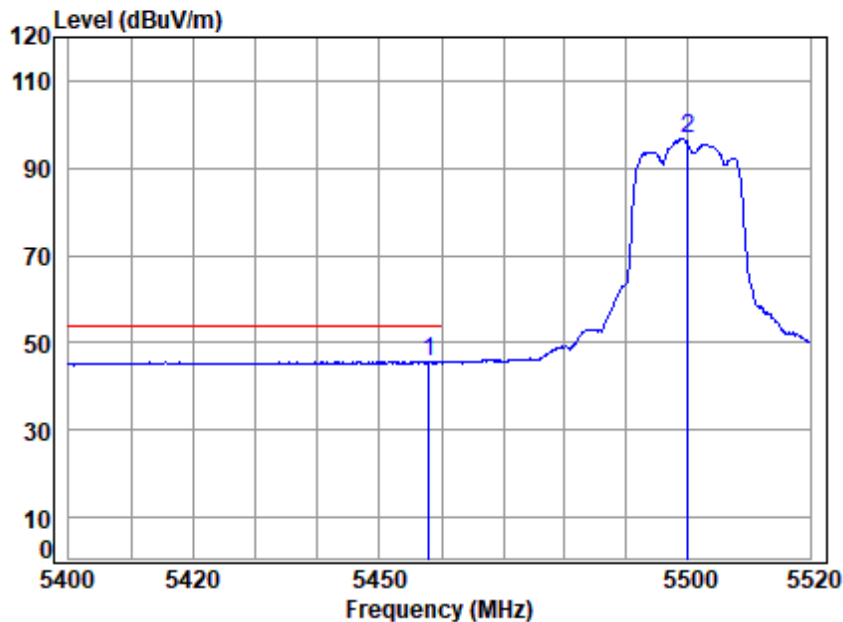
		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5400.475	10.62	32.80	30.74	46.95	59.63	74.00	-14.37	peak
2	5467.596	10.59	32.90	30.71	46.60	59.38	68.20	-8.82	peak
3 pp	5500.000	10.58	32.90	30.70	95.08	107.86	68.20	39.66	peak



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



Condition: 3m HORIZONTAL

Job No : 04436MO/04437MO

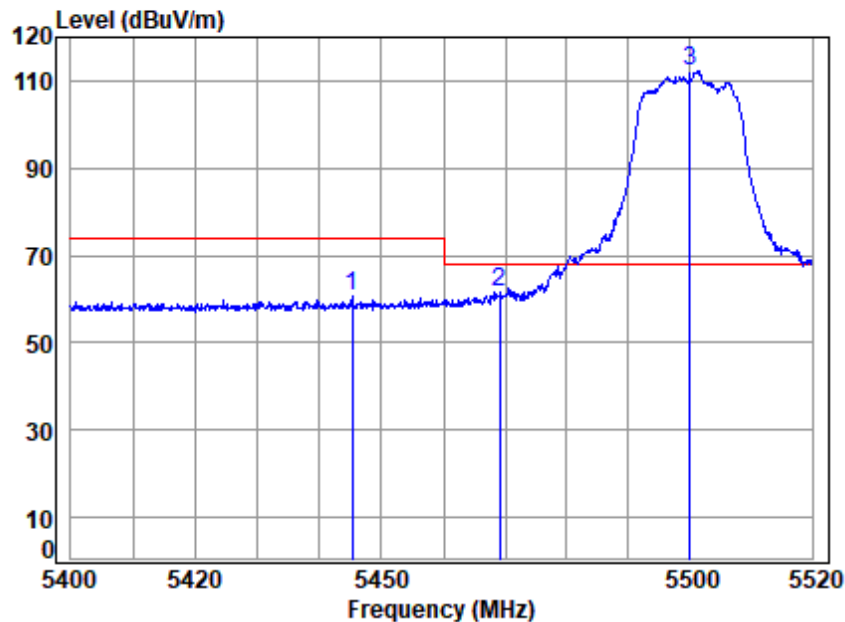
Mode : 5500 Band edge

: 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5457.991	10.60	32.90	30.72	32.79	45.57	54.00	-8.43	Average
2	5500.000	10.58	32.90	30.70	84.06	96.84	-----	-----	Average



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



Condition: 3m VERTICAL

Job No : 04436M0/04437M0

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 5445.290	10.60	32.89	30.72	47.95	60.72	74.00	-13.28	Peak
2 5469.158	10.59	32.90	30.71	48.69	61.47	68.20	-6.73	peak
3 pp 5500.000	10.58	32.90	30.70	99.35	112.13	68.20	43.93	Peak



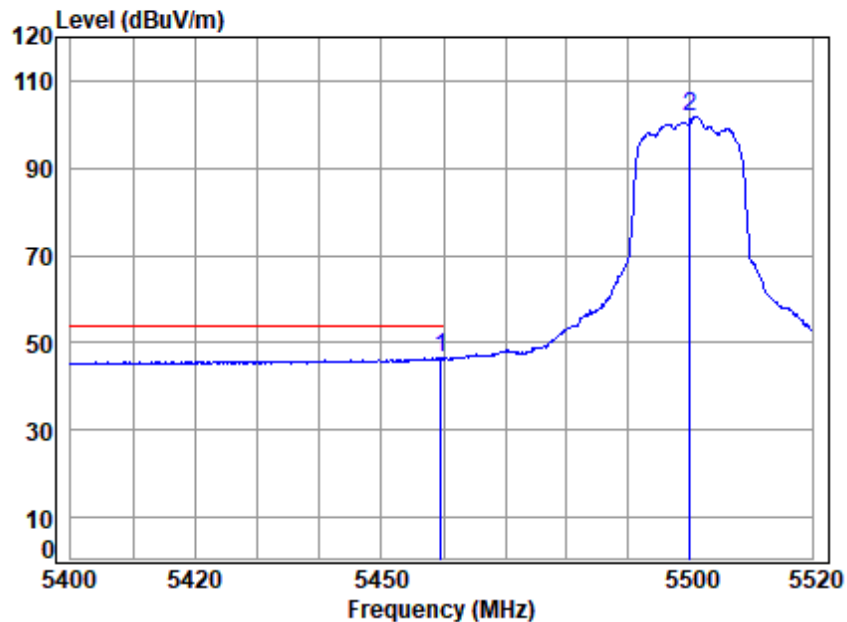
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Test Mode: 11; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Condition: 3m VERTICAL

Job No : 04436M0/04437M0

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 pp 5459.670	10.60	32.90	30.72	33.76	46.54	54.00	-7.46	Average	
2 5500.000	10.58	32.90	30.70	89.18	101.96	-----	-----	Average	



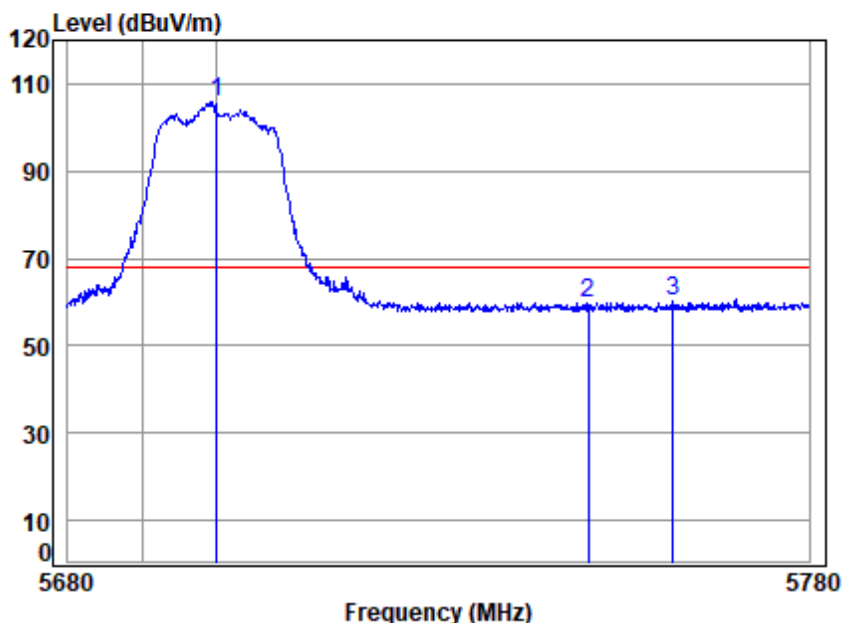
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Test Mode: 11; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Condition: 3m HORIZONTAL

Job No : 04436MO/04437MO

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 pp	5700.000	10.56	33.20	30.62	92.66	105.80	68.20	37.60	peak
2	5750.000	10.79	33.30	30.60	46.41	59.90	68.20	-8.30	peak
3	5761.469	10.84	33.32	30.60	46.66	60.22	68.20	-7.98	peak



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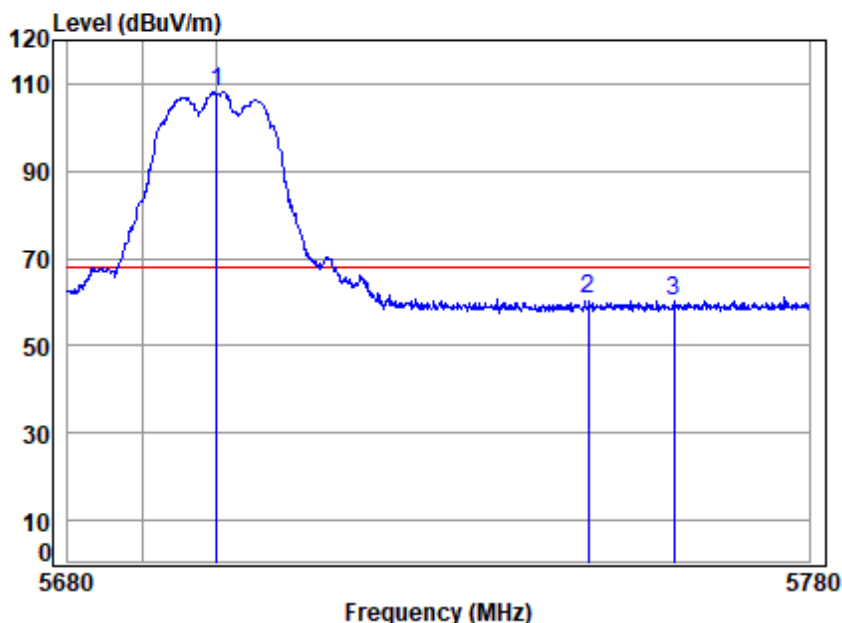
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Test Mode: 11; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Condition: 3m VERTICAL

Job No : 04436M0/04437M0

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 pp	5700.000	10.56	33.20	30.62	95.10	108.24	68.20	40.04	Peak
2	5750.000	10.79	33.30	30.60	47.16	60.65	68.20	-7.55	Peak
3	5761.670	10.84	33.32	30.60	46.59	60.15	68.20	-8.05	Peak



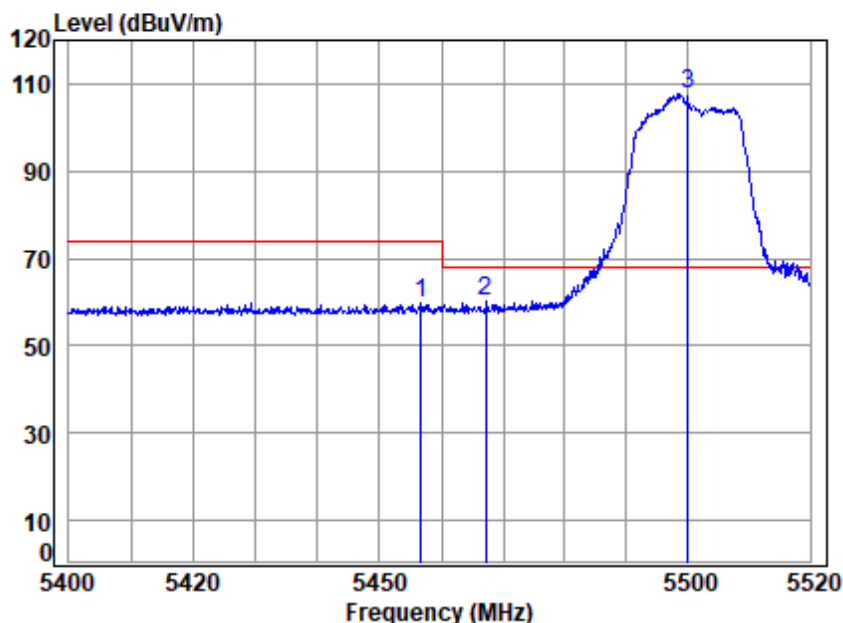
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Test Mode: 11; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



Condition: 3m HORIZONTAL

Job No : 04436MO/04437MO

Mode : 5500 Band edge

: 5G WIFI 11N20

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5456.671	10.60	32.90	30.72	46.94	59.72	74.00	-14.28	peak
2	5467.235	10.59	32.90	30.71	47.37	60.15	68.20	-8.05	peak
3 pp	5500.000	10.58	32.90	30.70	94.95	107.73	68.20	39.53	peak



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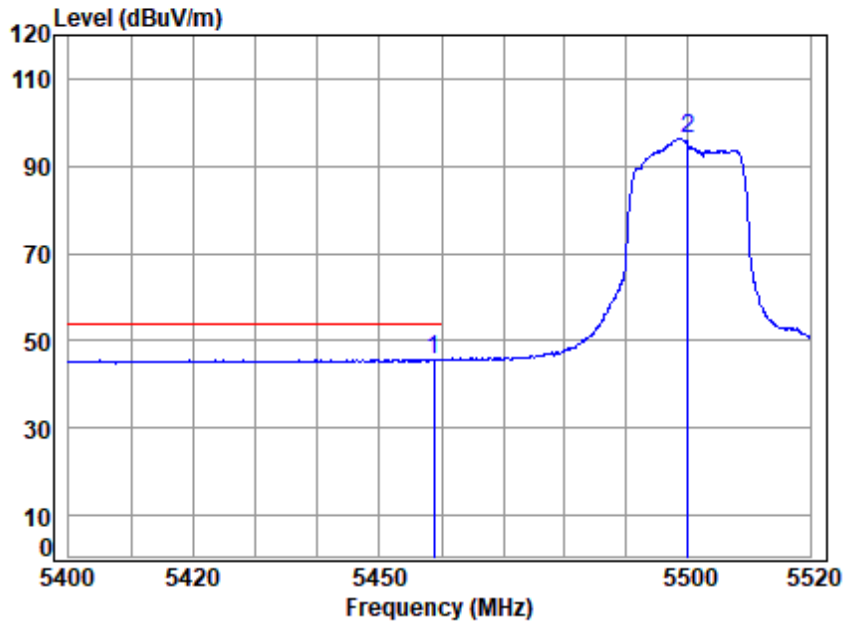
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Test Mode: 11; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



Condition: 3m HORIZONTAL

Job No : 04436MO/04437MO

Mode : 5500 Band edge
: 5G WIFI 11N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5458.831	10.60	32.90	30.72	32.91	45.69	54.00	-8.31	Average
2	5500.000	10.58	32.90	30.70	83.64	96.42	-----	-----	Average



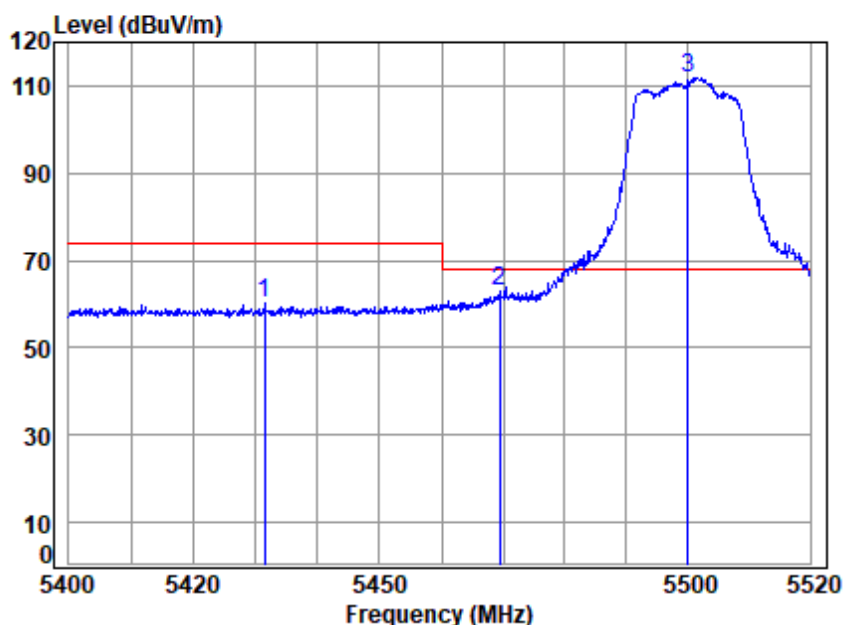
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Shenzhen Branch Testing Laboratory

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



Condition: 3m VERTICAL

Job No : 04436M0/04437M0

Mode : 5500 Band edge

: 5G WIFI 11N20

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5431.424	10.61	32.86	30.73	47.48	60.22	74.00	-13.78 Peak
2	5469.399	10.59	32.90	30.71	50.14	62.92	68.20	-5.28 peak
3	pp 5500.000	10.58	32.90	30.70	99.22	112.00	68.20	43.80 Peak



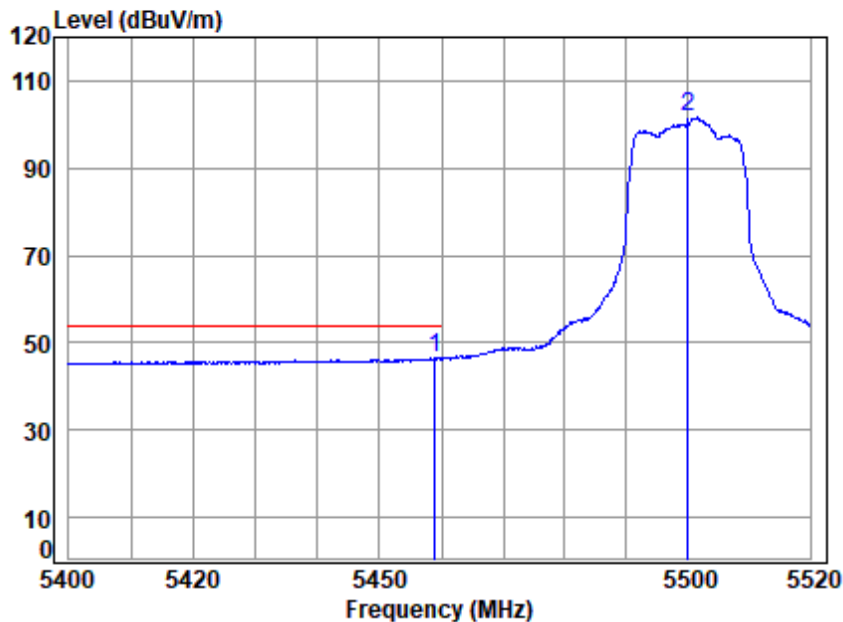
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Report No.: SZCR241100443604

Page: 145 of 622

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



Condition: 3m VERTICAL

Job No : 04436M0/04437M0

Mode : 5500 Band edge

: 5G WIFI 11N20

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5458.950	10.60	32.90	30.72	33.72	46.50	54.00	-7.50	Average
2	5500.000	10.58	32.90	30.70	88.78	101.56	-----	-----	Average



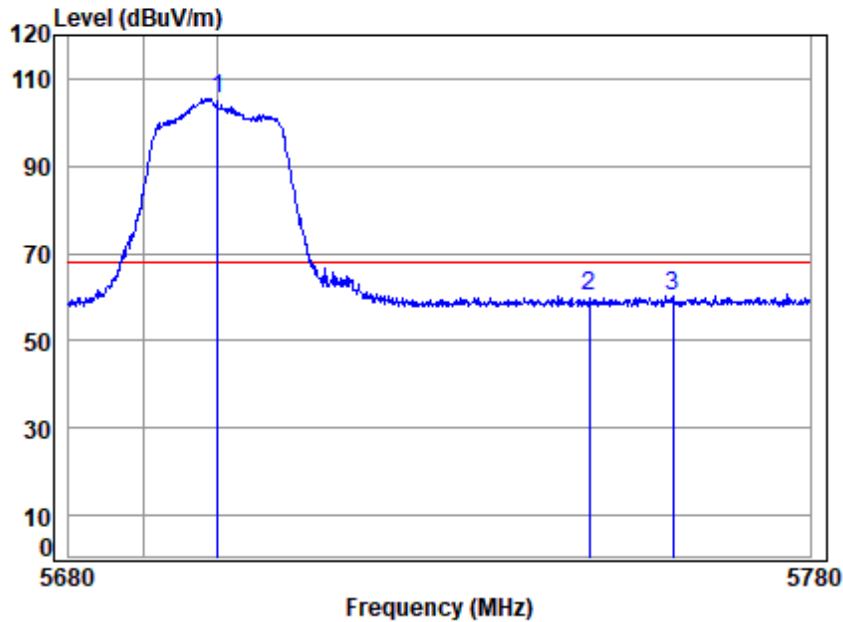
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Test Mode: 11; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:High



Condition: 3m HORIZONTAL

Job No : 04436MO/04437MO

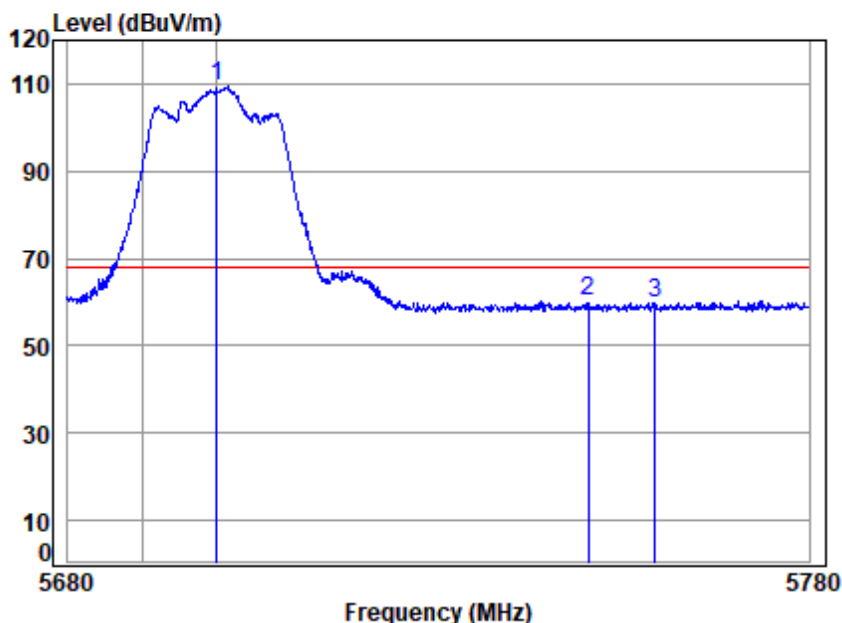
Mode : 5700 Band edge

: 5G WIFI 11N20

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5700.000	10.56	33.20	30.62	92.44	105.58	68.20	37.38	peak
2	5750.000	10.79	33.30	30.60	46.52	60.01	68.20	-8.19	peak
3	5761.368	10.84	33.32	30.60	46.51	60.07	68.20	-8.13	peak



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



Condition: 3m VERTICAL

Job No : 04436M0/04437M0

Mode : 5700 Band edge

: 5G WIFI 11N20

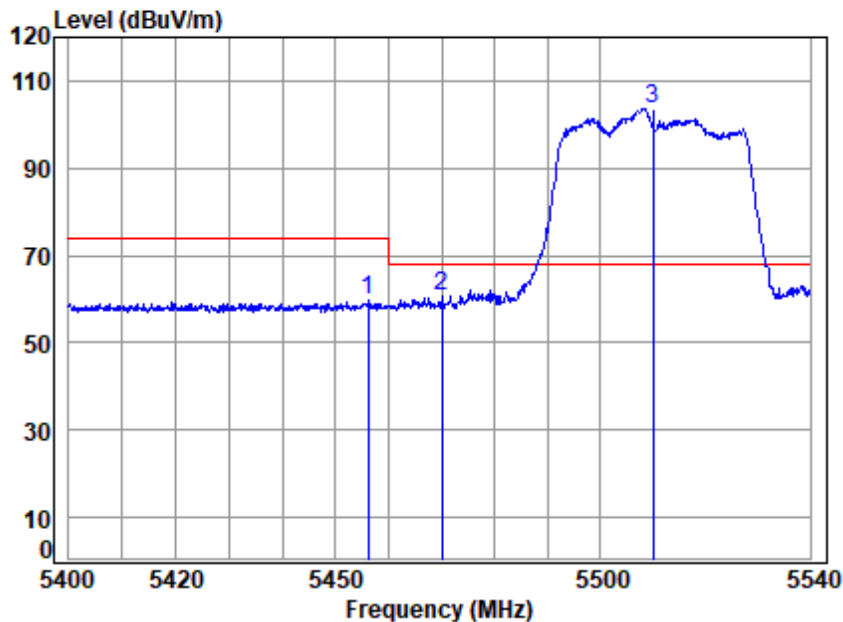
		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5700.000	10.56	33.20	30.62	96.14	109.28	68.20	41.08	Peak
2	5750.000	10.79	33.30	30.60	46.74	60.23	68.20	-7.97	Peak
3	5759.056	10.83	33.32	30.60	46.41	59.96	68.20	-8.24	Peak



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Test Mode: 11; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



Condition: 3m HORIZONTAL

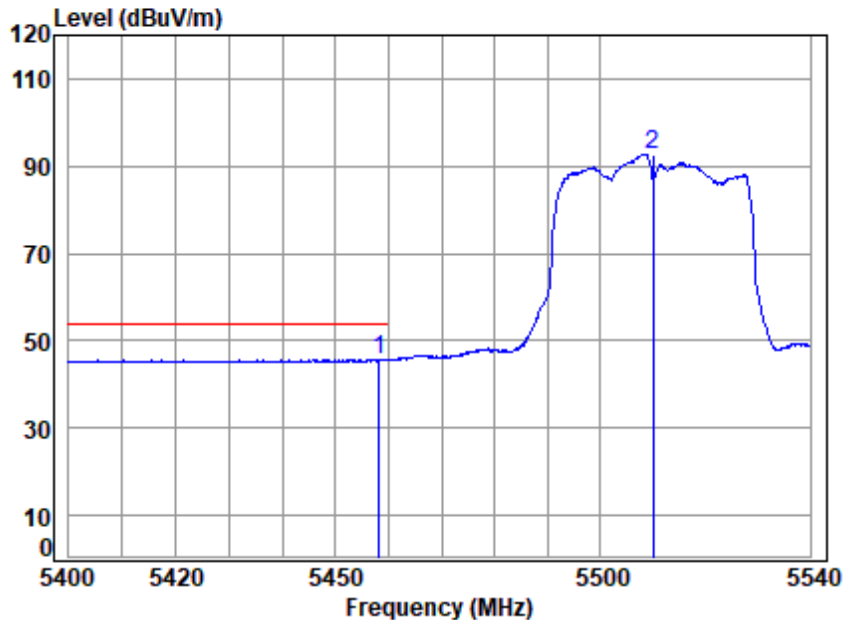
Job No : 04436MO/04437MO

Mode : 5510 Band edge
: 5G WIFI 11N40

	Cable	Ant	Preamp	Read		Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 5456.129	10.60	32.90	30.72	46.88	59.66	74.00	-14.34	peak
2 5469.972	10.59	32.90	30.71	48.11	60.89	68.20	-7.31	peak
3 pp 5510.000	10.56	32.90	30.70	90.93	103.69	68.20	35.49	peak



Test Mode: 11; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



Condition: 3m HORIZONTAL

Job No : 04436MO/04437MO

Mode : 5510 Band edge
: 5G WIFI 11N40

		Cable	Ant	Preamp	Read		Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5458.224	10.60	32.90	30.72	32.92	45.70	54.00	-8.30	Average
2	5510.000	10.56	32.90	30.70	80.00	92.76	-----	-----	Average



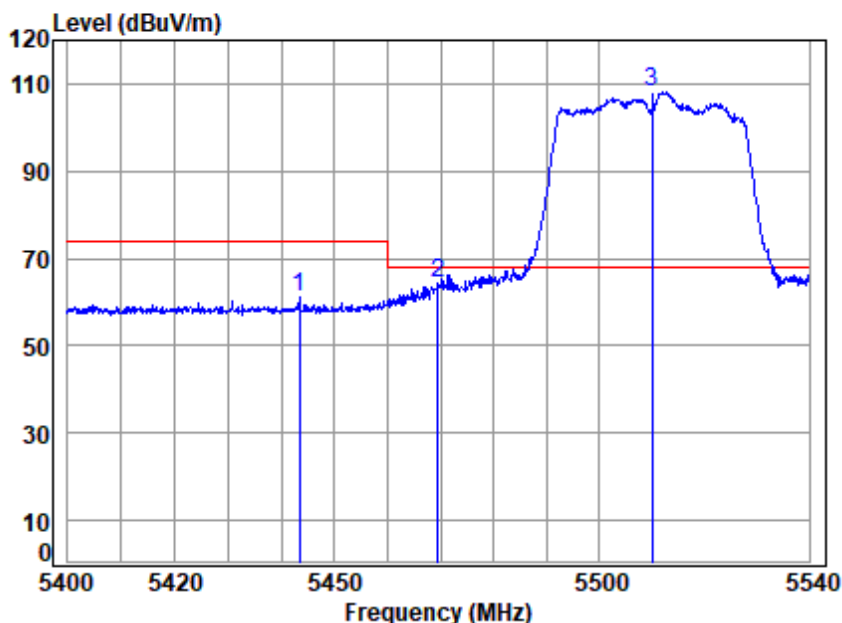
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Test Mode: 11; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



Condition: 3m VERTICAL

Job No : 04436M0/04437M0

Mode : 5510 Band edge

: 5G WIFI 11N40

	Cable	Ant	Preamp	Read		Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5443.296	10.60	32.89	30.72	48.24	61.01	74.00	-12.99 Peak
2	5469.552	10.59	32.90	30.71	51.60	64.38	68.20	-3.82 peak
3	pp 5510.000	10.56	32.90	30.70	95.20	107.96	68.20	39.76 Peak



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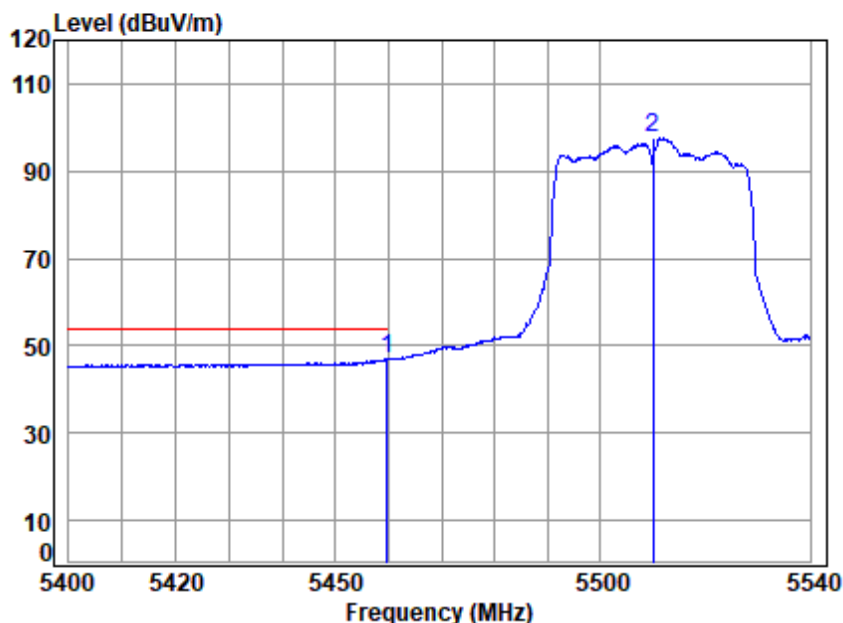
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Test Mode: 11; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



Condition: 3m VERTICAL

Job No : 04436M0/04437M0

Mode : 5510 Band edge

: 5G WIFI 11N40

		Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp 5459.622	10.60	32.90	30.72	34.23	47.01	54.00	-6.99	Average
2 5510.000	10.56	32.90	30.70	84.78	97.54	-----	-----	Average



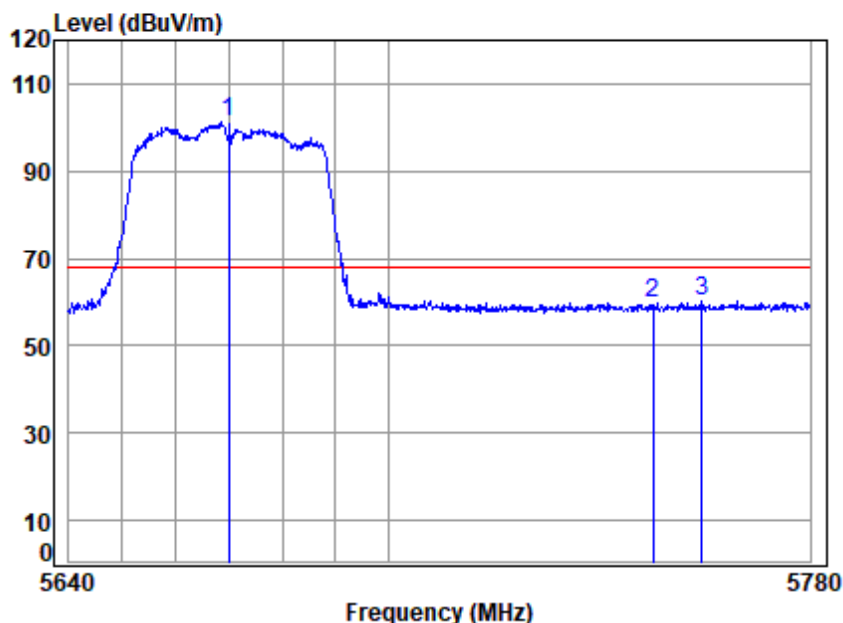
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Test Mode: 11; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:High



Condition: 3m HORIZONTAL

Job No : 04436MO/04437MO

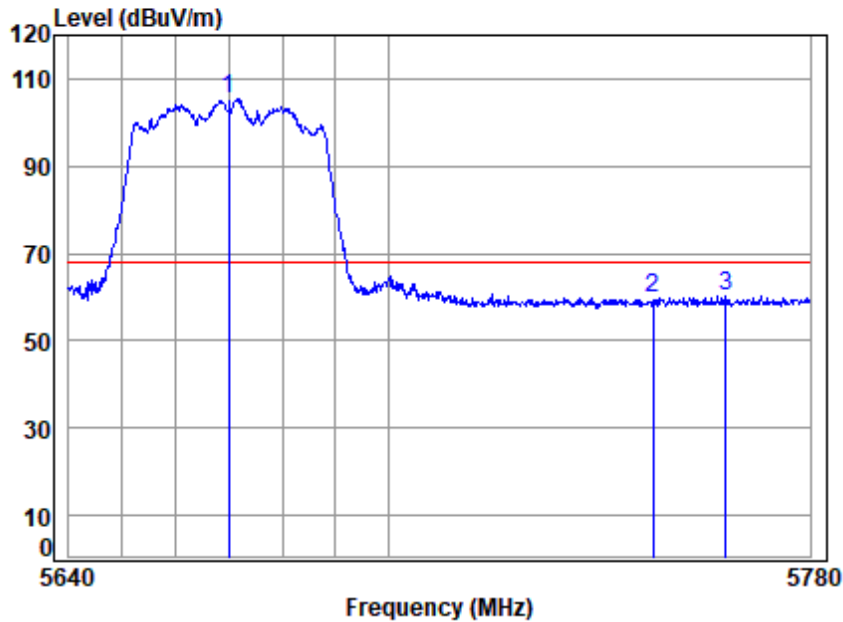
Mode : 5670 Band edge

: 5G WIFI 11N40

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5670.000	10.52	33.14	30.63	88.07	101.10	68.20	32.90	peak
2	5750.000	10.79	33.30	30.60	46.32	59.81	68.20	-8.39	peak
3	5759.345	10.83	33.32	30.60	46.57	60.12	68.20	-8.08	peak



Test Mode: 11; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:High



Condition: 3m VERTICAL

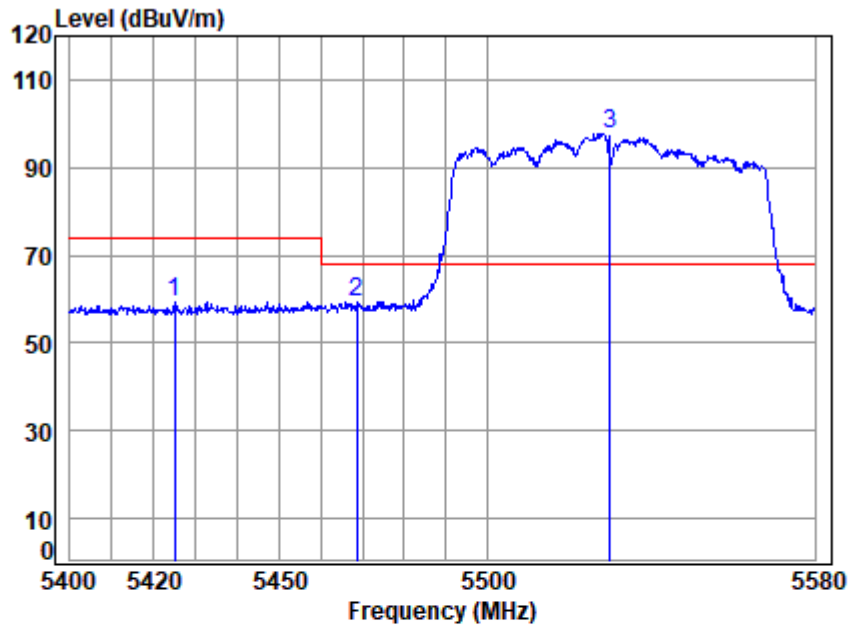
Job No : 04436M0/04437M0

Mode : 5670 Band edge
: 5G WIFI 11N40

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5670.000	10.52	33.14	30.63	92.39	105.42	68.20	37.22	Peak
2	5750.000	10.79	33.30	30.60	46.20	59.69	68.20	-8.51	Peak
3	5763.866	10.85	33.33	30.59	46.58	60.17	68.20	-8.03	Peak



Test Mode: 11; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:80MHz; Channel:Low



Condition: 3m HORIZONTAL

Job No : 00436MO/00437MO

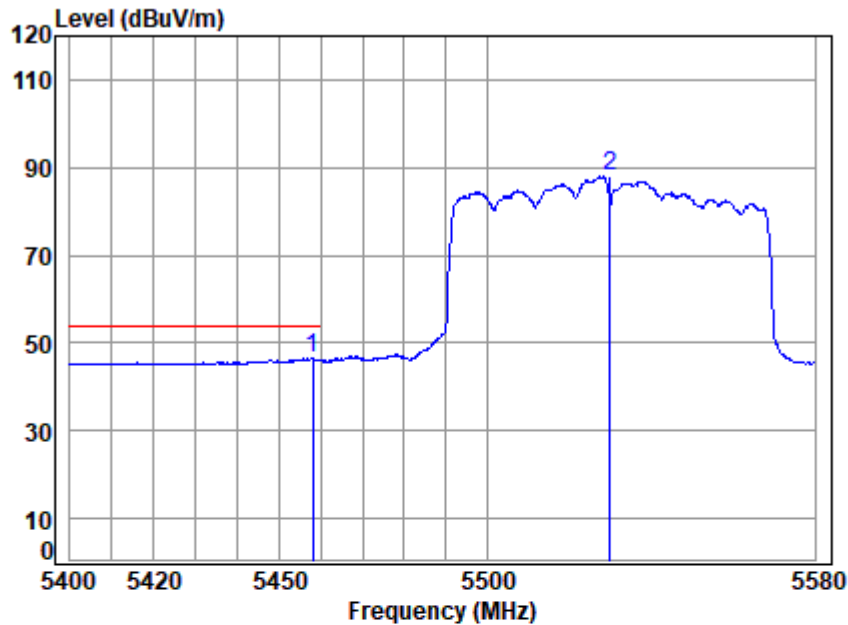
Mode : 5530 Band edge

: 5G Wi-Fi 11AC80

	Cable	Ant	Preamp	Read		Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5425.024	10.61	32.85	30.73	46.62	59.35	74.00	-14.65 peak
2	5468.602	10.59	32.90	30.71	46.65	59.43	68.20	-8.77 peak
3 pp	5530.000	10.53	32.90	30.69	85.06	97.80	68.20	29.60 peak



Test Mode: 11; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:80MHz; Channel:Low



Condition: 3m HORIZONTAL

Job No : 00436MO/00437MO

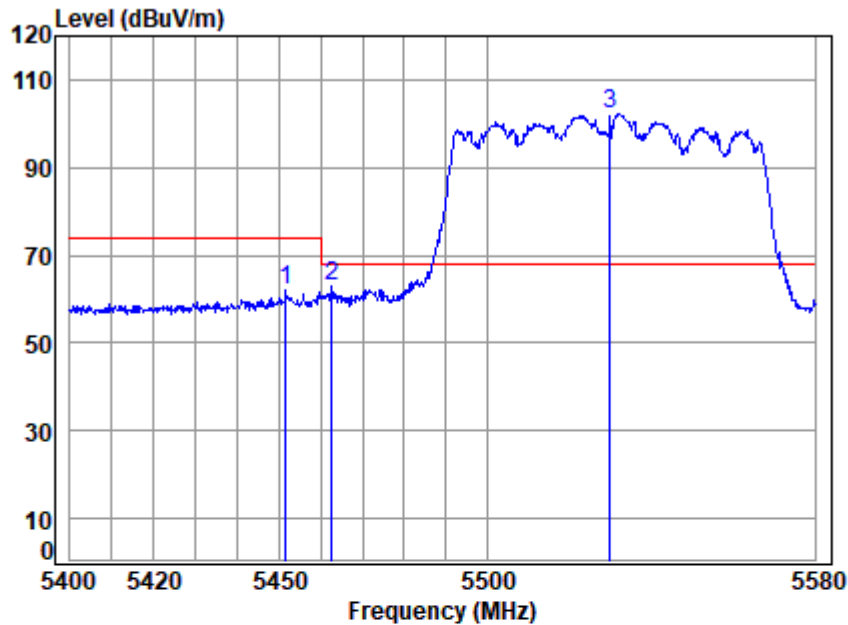
Mode : 5530 Band edge

: 5G Wi-Fi 11AC80

		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 pp	5458.033	10.60	32.90	30.72	33.74	46.52	54.00	-7.48 Average
2	5530.000	10.53	32.90	30.69	75.17	87.91	-----	----- Average



Test Mode: 11; Polarity: Vertical; Modulation:802.11ac; Bandwidth:80MHz; Channel:Low



Condition: 3m VERTICAL

Job No : 00436M0/00437M0

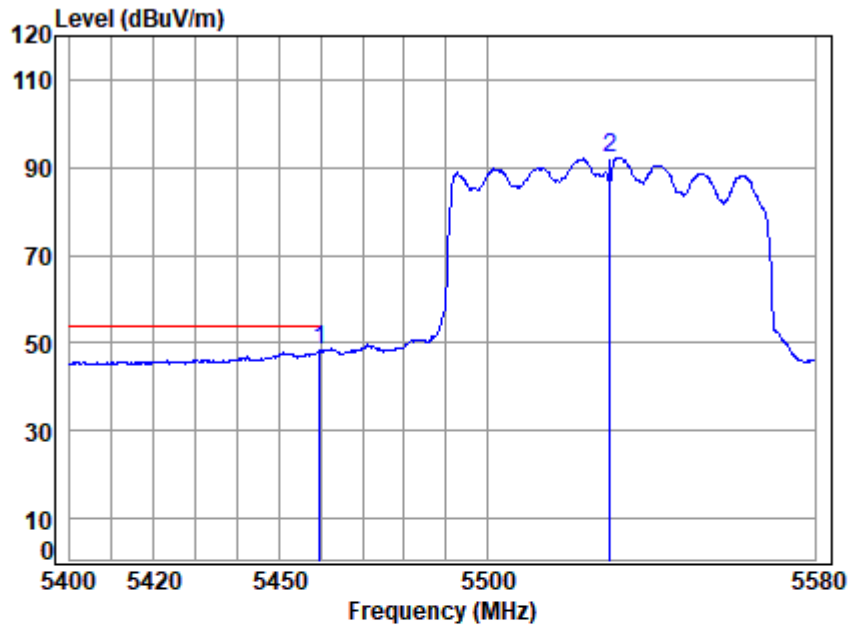
Mode : 5530 Band edge

: 5G Wi-Fi 11AC80

	Cable	Ant	Preamp	Read		Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 5451.594	10.60	32.90	30.72	49.11	61.89	74.00	-12.11	Peak
2 5462.688	10.59	32.90	30.71	50.19	62.97	68.20	-5.23	peak
3 pp 5530.000	10.53	32.90	30.69	89.58	102.32	68.20	34.12	Peak



Test Mode: 11; Polarity: Vertical; Modulation:802.11ac; Bandwidth:80MHz; Channel:Low



Condition: 3m VERTICAL

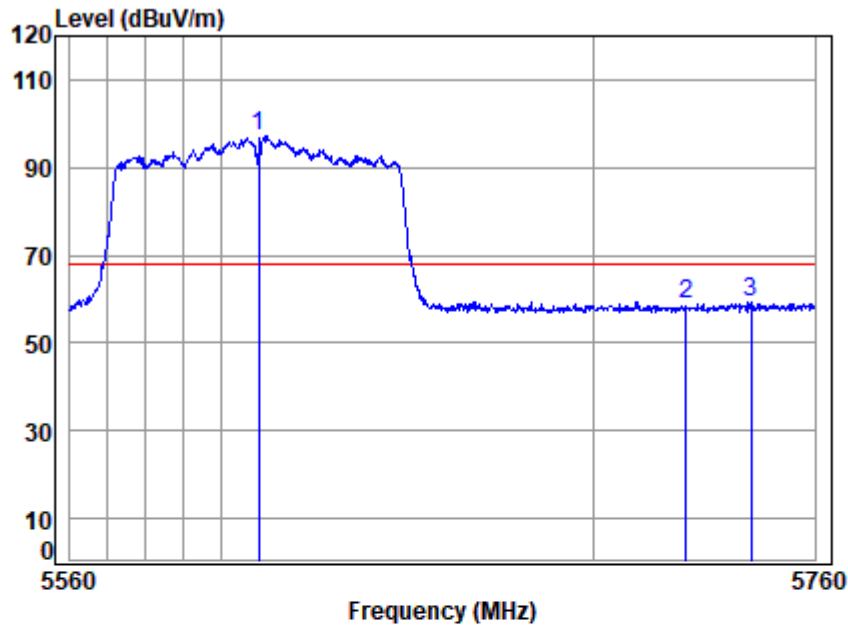
Job No : 00436MO/00437MO

Mode : 5530 Band edge

: 5G Wi-Fi 11AC80

		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 pp	5459.823	10.60	32.90	30.72	35.53	48.31	54.00	-5.69 Average
2	5530.000	10.53	32.90	30.69	79.56	92.30	-----	----- Average

Test Mode: 11; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:80MHz; Channel:Low



Condition: 3m HORIZONTAL
Job No : 00436MO/00437MO
Mode : 5610 Band edge
: 5G Wi-Fi 11AC80

	Cable	Ant	Preamp	Read		Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp 5610.000	10.43	33.02	30.66	84.24	97.03	68.20	28.83	peak
2 5725.000	10.68	33.25	30.61	45.67	58.99	68.20	-9.21	peak
3 5742.724	10.76	33.29	30.60	45.82	59.27	68.20	-8.93	peak



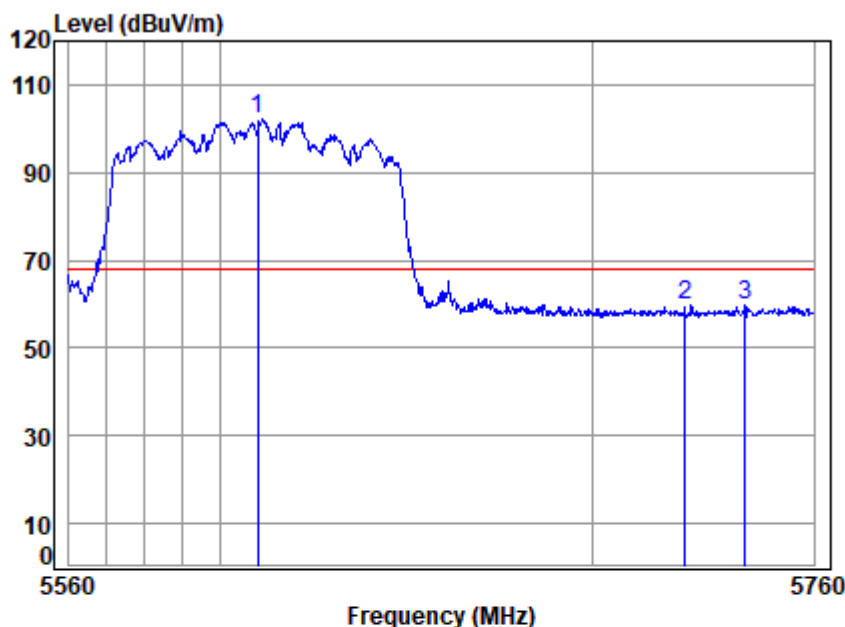
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Report No.: SZCR241100443604

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Test Mode: 11; Polarity: Vertical; Modulation:802.11ac; Bandwidth:80MHz; Channel:High



Condition: 3m VERTICAL

Job No : 00436M0/00437M0

Mode : 5610 Band edge

: 5G Wi-Fi 11AC80

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5610.000	10.43	33.02	30.66	89.35	102.14	68.20	33.94	Peak
2	5725.000	10.68	33.25	30.61	46.24	59.56	68.20	-8.64	peak
3	5741.303	10.75	33.28	30.60	46.19	59.62	68.20	-8.58	Peak



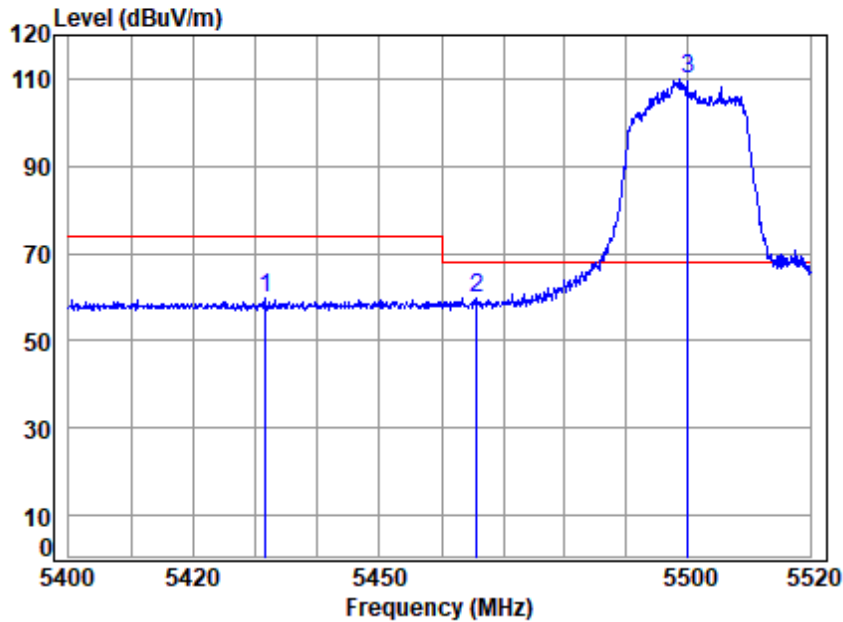
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Test Mode: 11; Polarity: Horizontal; Modulation: 802.11ax(Full RU0); Bandwidth: 20MHz; Channel: Low



Condition: 3m HORIZONTAL

Job No : 04436MO/04437MO

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 5431.543	10.61	32.86	30.73	46.85	59.59	74.00	-14.41	peak
2 5465.673	10.59	32.90	30.71	46.88	59.66	68.20	-8.54	peak
3 pp 5500.000	10.58	32.90	30.70	97.26	110.04	68.20	41.84	peak



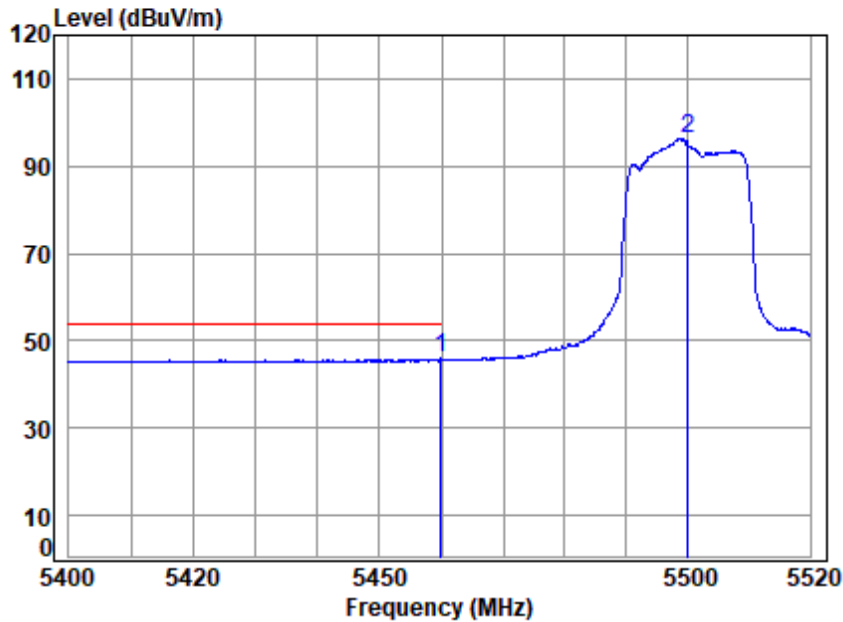
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Test Mode: 11; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:Low



Condition: 3m HORIZONTAL

Job No : 04436MO/04437MO

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 pp 5459.910	10.60	32.90	30.72	33.18	45.96	54.00	-8.04	Average	
2 5500.000	10.58	32.90	30.70	83.54	96.32	-----	-----	Average	



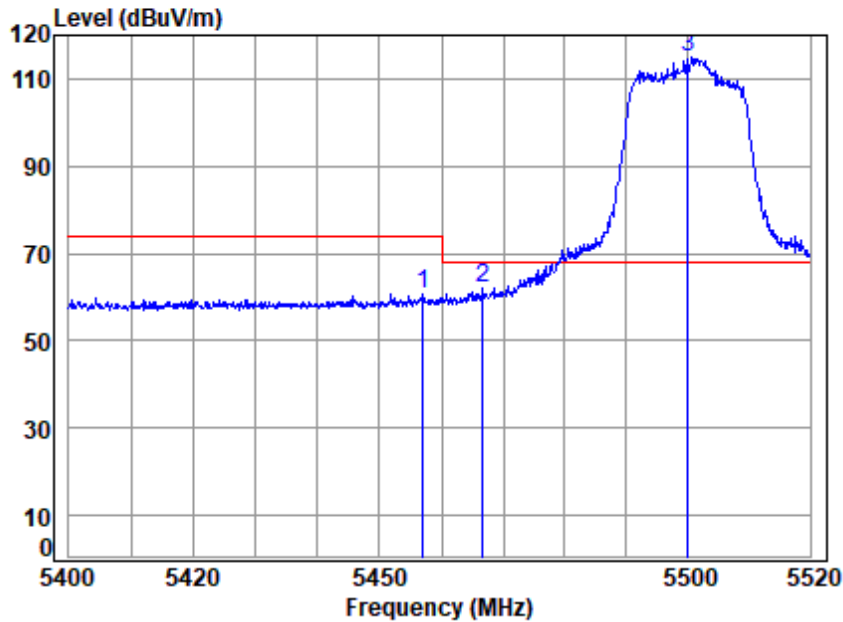
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Test Mode: 11; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:Low



Condition: 3m VERTICAL

Job No : 04436M0/04437M0

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	5457.031	10.60	32.90	30.72	47.82	60.60	74.00	-13.40 Peak
2	5466.635	10.59	32.90	30.71	49.19	61.97	68.20	-6.23 peak
3	pp 5500.000	10.58	32.90	30.70	102.04	114.82	68.20	46.62 Peak



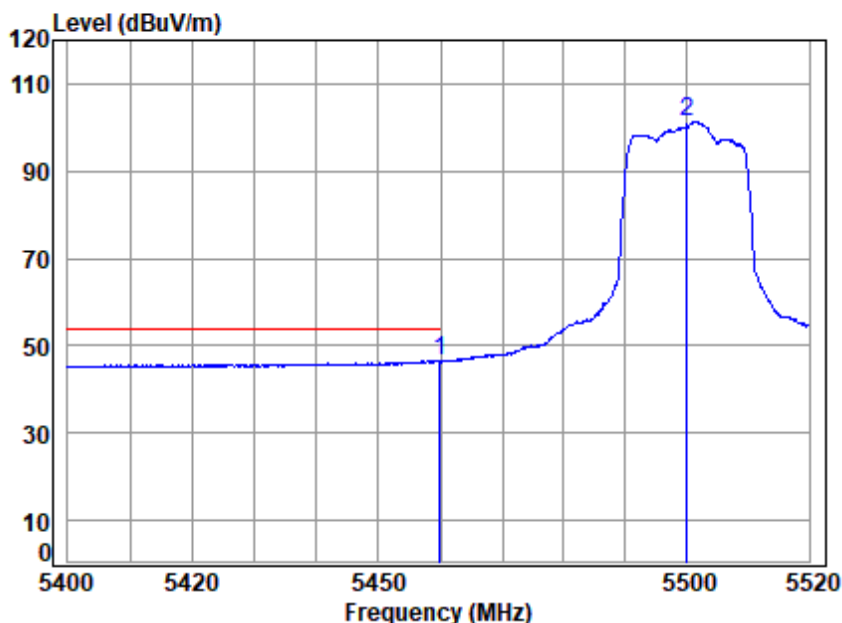
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Report No.: SZCR241100443604

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



Condition: 3m VERTICAL

Job No : 04436M0/04437M0

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 pp	5459.910	10.60	32.90	30.72	33.74	46.52	54.00	-7.48	Average
2	5500.000	10.58	32.90	30.70	88.56	101.34	-----	-----	Average



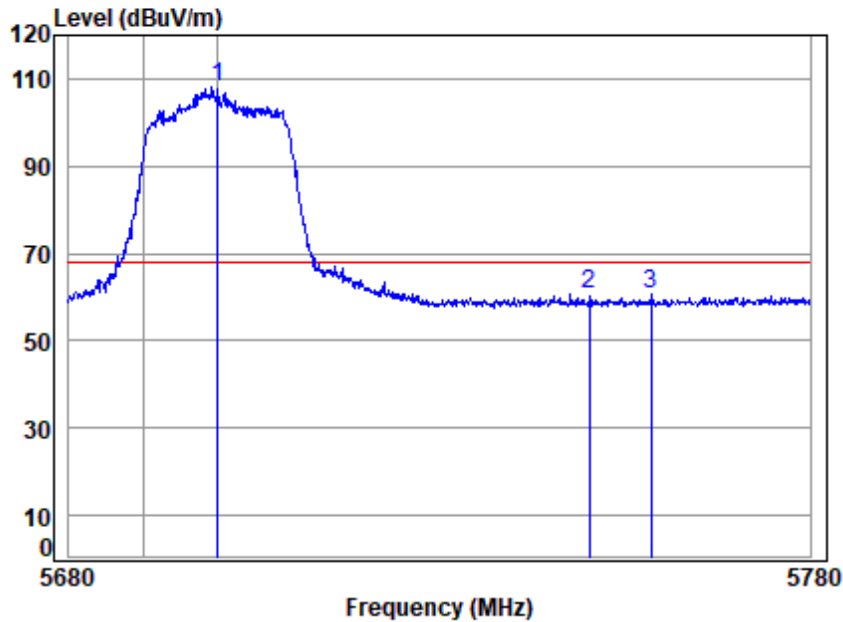
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Test Mode: 11; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:High



Condition: 3m HORIZONTAL

Job No : 04436M0/04437M0

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 pp	5700.000	10.56	33.20	30.62	95.08	108.22	68.20	40.02	peak
2	5750.000	10.79	33.30	30.60	47.36	60.85	68.20	-7.35	peak
3	5758.353	10.83	33.32	30.60	46.94	60.49	68.20	-7.71	peak



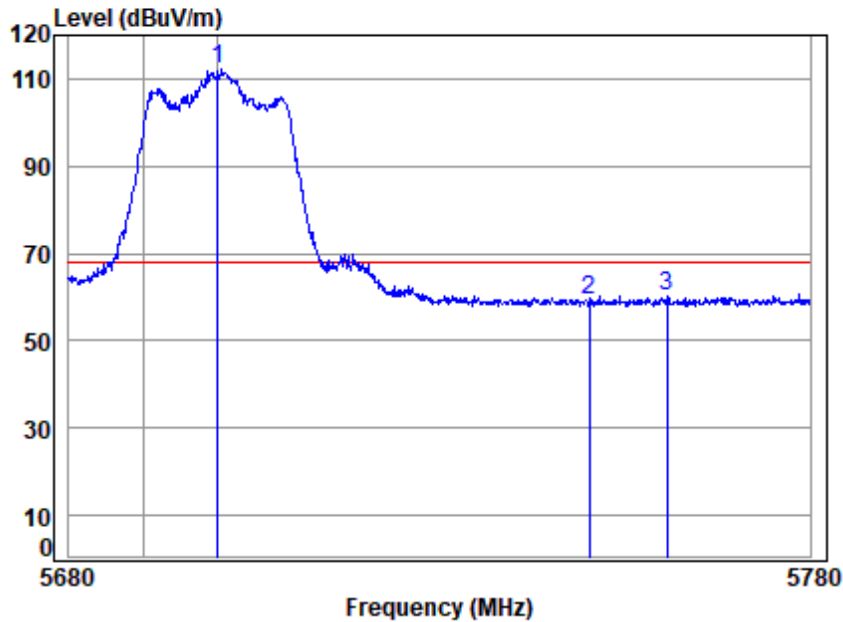
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Report No.: SZCR241100443604

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



Condition: 3m VERTICAL

Job No : 04436M0/04437M0

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 pp	5700.000	10.56	33.20	30.62	99.07	112.21	68.20	44.01	Peak
2	5750.000	10.79	33.30	30.60	45.94	59.43	68.20	-8.77	Peak
3	5760.564	10.84	33.32	30.60	46.67	60.23	68.20	-7.97	Peak



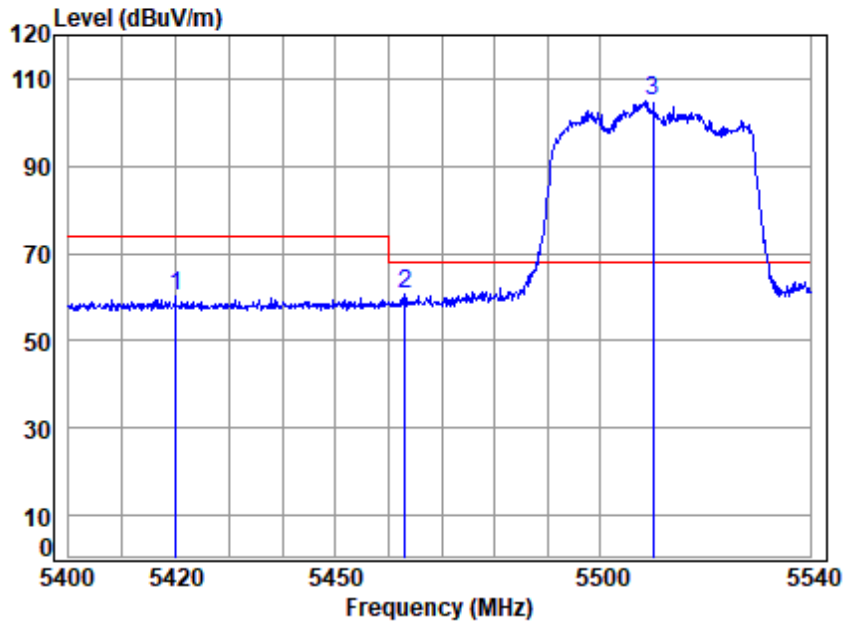
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Test Mode: 11; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:Low



Condition: 3m HORIZONTAL

Job No : 04436MO/04437MO

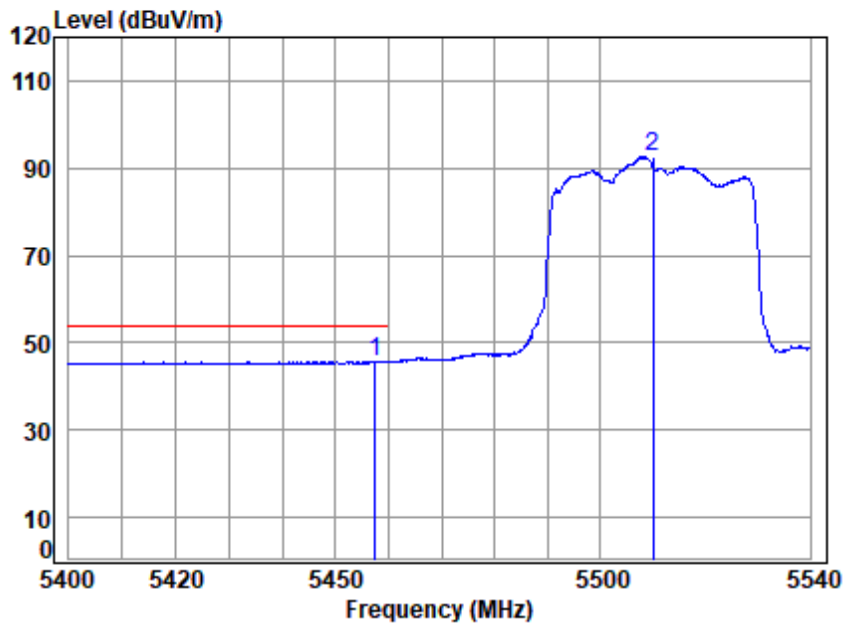
Mode : 5510 Band edge

: 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	5419.940	10.61	32.84	30.73	47.47	60.19	74.00	-13.81 peak
2	5463.116	10.59	32.90	30.71	47.76	60.54	68.20	-7.66 peak
3	pp 5510.000	10.56	32.90	30.70	92.01	104.77	68.20	36.57 peak



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



Condition: 3m HORIZONTAL

Job No : 04436MO/04437MO

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	
5457.526	10.60	32.90	30.72	32.95	45.73	54.00	-8.27	Average
5510.000	10.56	32.90	30.70	79.79	92.55	-----	-----	Average



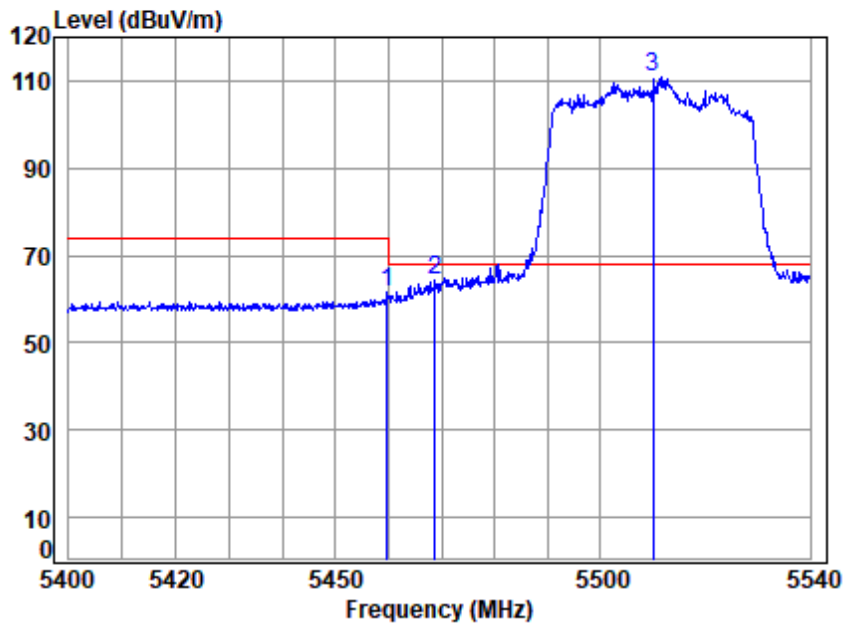
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Test Mode: 11; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:Low



Condition: 3m VERTICAL

Job No : 04436M0/04437M0

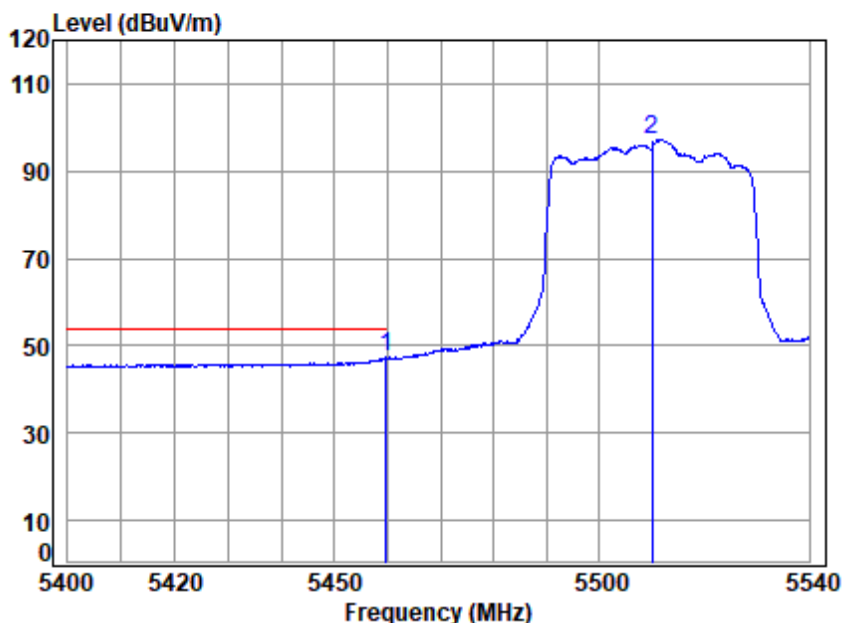
Mode : 5510 Band edge

: 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	5459.622	10.60	32.90	30.72	48.59	61.37	74.00	-12.63 Peak
2	5468.712	10.59	32.90	30.71	51.33	64.11	68.20	-4.09 peak
3	pp 5510.000	10.56	32.90	30.70	98.32	111.08	68.20	42.88 Peak



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



Condition: 3m VERTICAL

Job No : 04436M0/04437M0

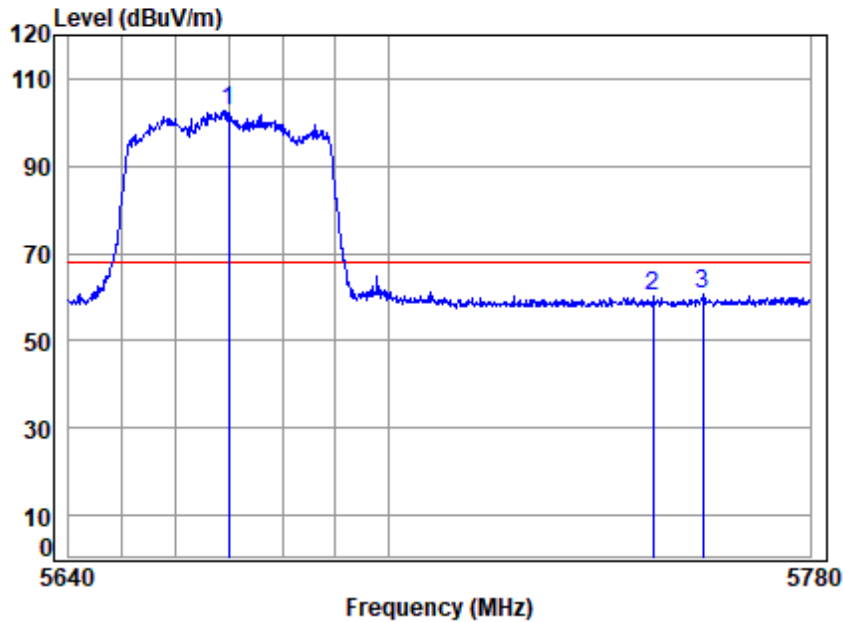
Mode : 5510 Band edge

: 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 pp	5459.622	10.60	32.90	30.72	34.58	47.36	54.00	-6.64	Average
2	5510.000	10.56	32.90	30.70	84.36	97.12	-----	-----	Average



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



Condition: 3m HORIZONTAL

Job No : 04436MO/04437MO

Mode : 5670 Band edge

: 5G WIFI 11AX40

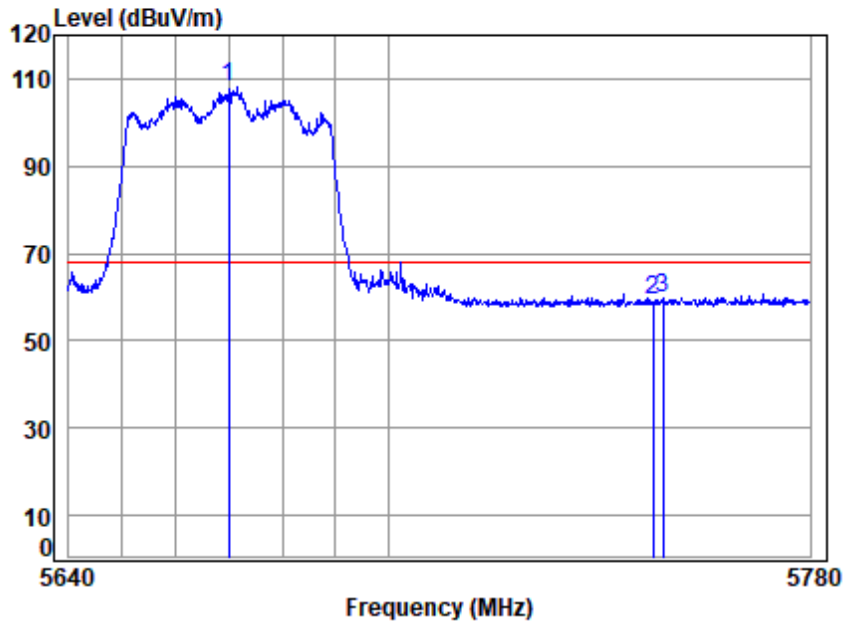
		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5670.000	10.52	33.14	30.63	89.81	102.84	68.20	34.64	peak
2	5750.000	10.79	33.30	30.60	46.55	60.04	68.20	-8.16	peak
3	5759.487	10.83	33.32	30.60	47.03	60.58	68.20	-7.62	peak



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



Condition: 3m VERTICAL

Job No : 04436M0/04437M0

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 pp	5670.000	10.52	33.14	30.63	94.93	107.96	68.20	39.76	Peak
2	5750.000	10.79	33.30	30.60	46.02	59.51	68.20	-8.69	Peak
3	5752.007	10.80	33.30	30.60	46.39	59.89	68.20	-8.31	Peak



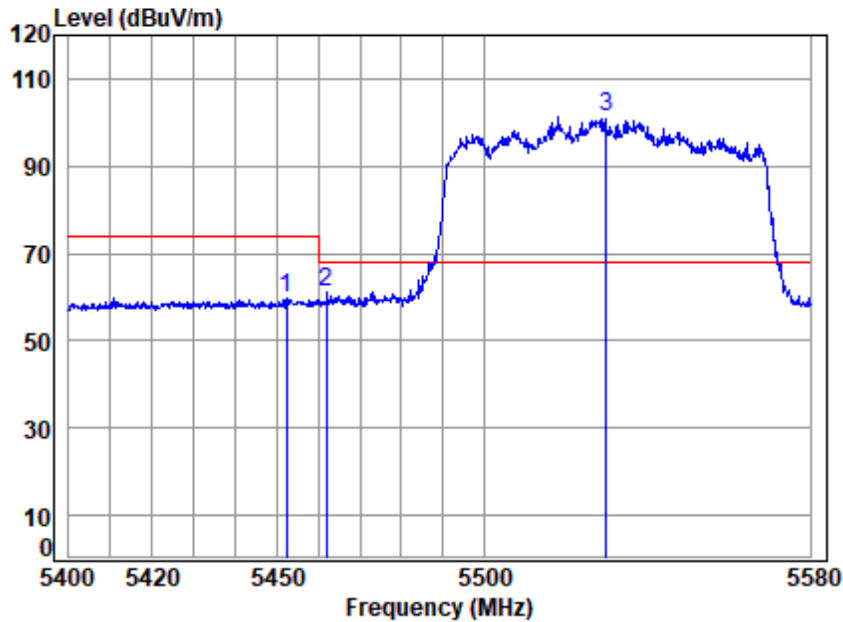
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Test Mode: 11; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:80MHz; Channel:Low



Condition: 3m HORIZONTAL

Job No : 04436M0/04437M0

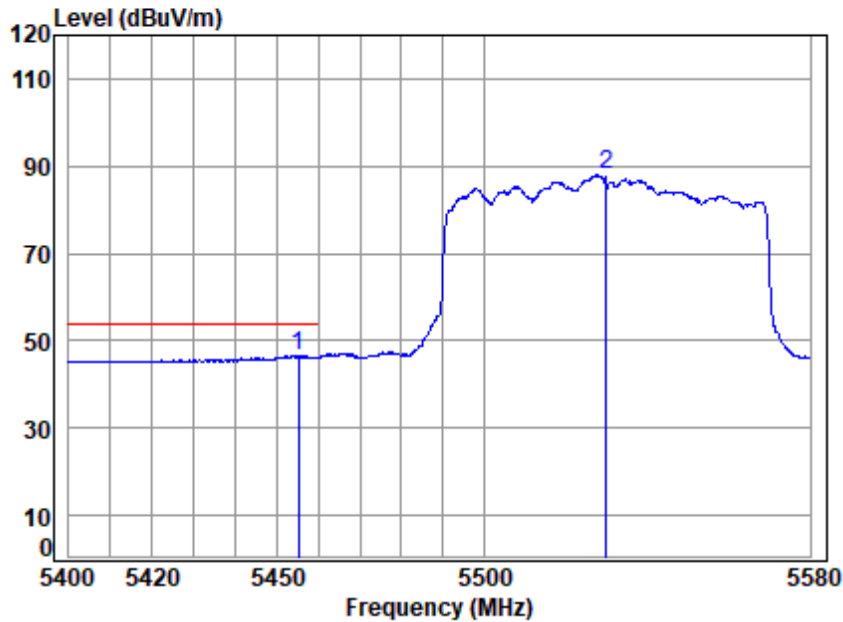
Mode : 5530 Band edge

: 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	5452.309	10.60	32.90	30.72	46.98	59.76	74.00	-14.24 peak
2	5461.972	10.60	32.90	30.72	48.18	60.96	68.20	-7.24 peak
3	pp 5530.000	10.53	32.90	30.69	88.46	101.20	68.20	33.00 peak



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



Condition: 3m HORIZONTAL

Job No : 04436M0/04437M0

Mode : 5530 Band edge

: 5G WIFI 11AX80

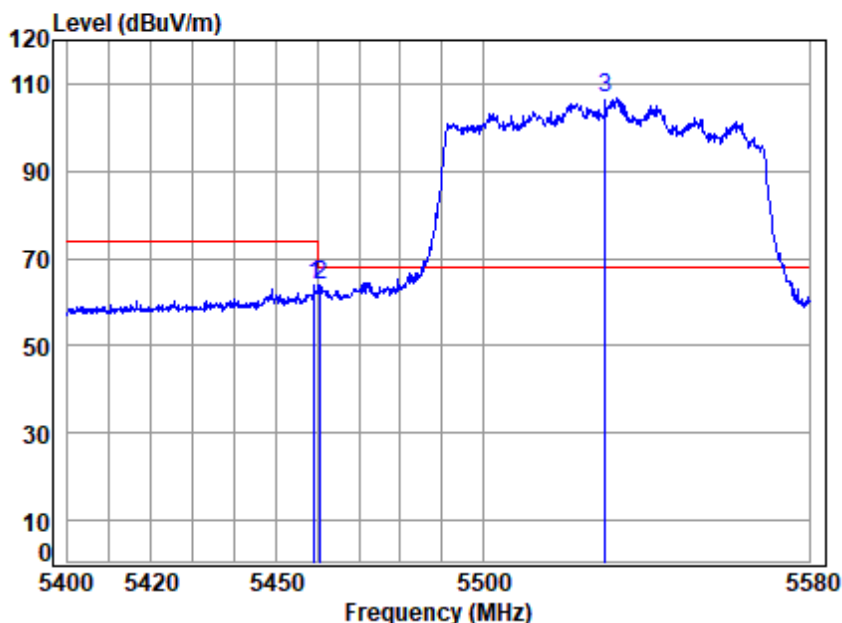
		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5455.170	10.60	32.90	30.72	33.87	46.65	54.00	-7.35	Average
2	5530.000	10.53	32.90	30.69	75.12	87.86	-----	-----	Average



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



Condition: 3m VERTICAL

Job No : 04436M0/04437M0

Mode : 5530 Band edge

: 5G WIFI 11AX80

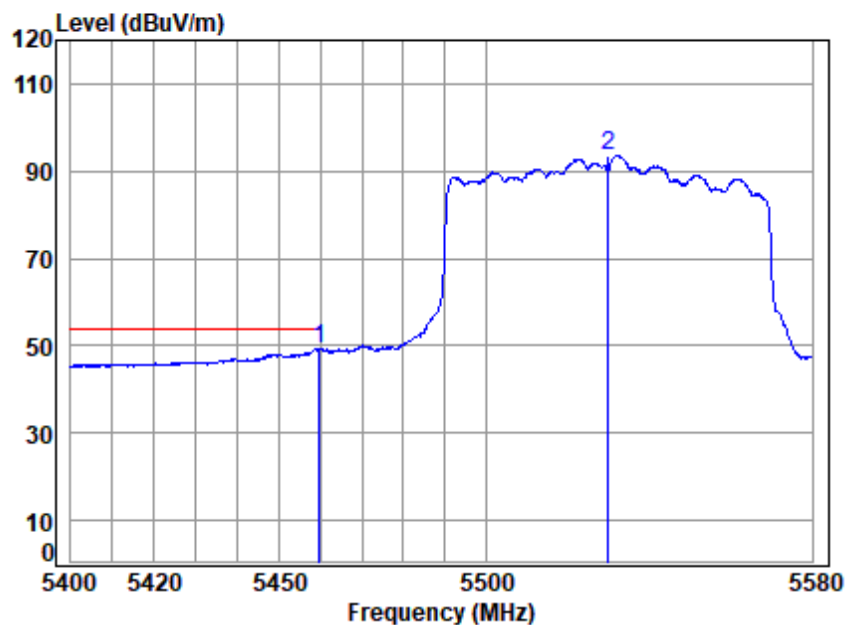
	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5459.286	10.60	32.90	30.72	51.06	63.84	74.00 -10.16 Peak
2	5460.718	10.60	32.90	30.72	51.08	63.86	68.20 -4.34 peak
3	pp 5530.000	10.53	32.90	30.69	93.90	106.64	68.20 38.44 Peak



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



Condition: 3m VERTICAL

Job No : 04436M0/04437M0

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 pp 5459.823	10.60	32.90	30.72	36.44	49.22	54.00	-4.78	Average	
2 5530.000	10.53	32.90	30.69	80.77	93.51	-----	-----	Average	



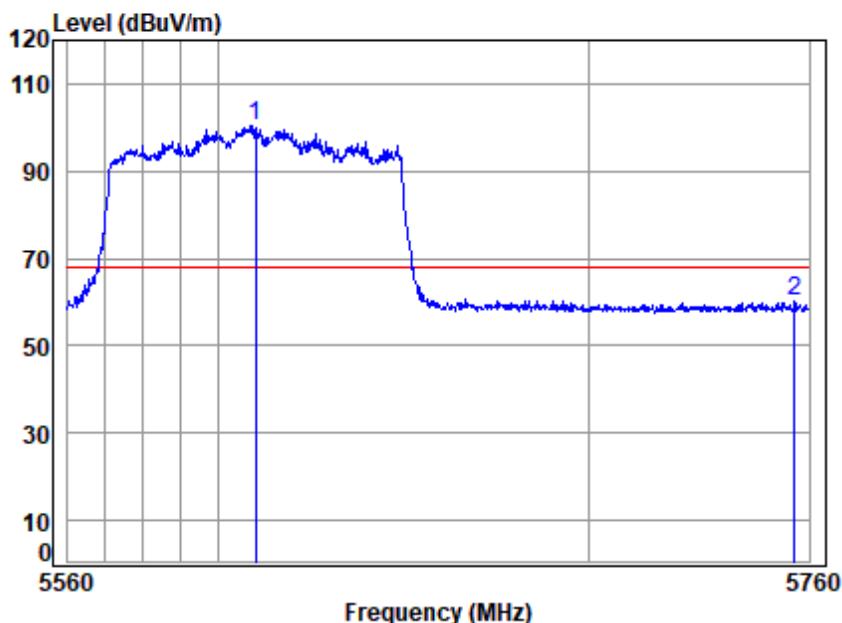
SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

SZEMC-TRF-01 Rev. A/1

Report No.: SZCR241100443604

Page: 176 of 622

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



Condition: 3m HORIZONTAL

Job No : 04436MO/04437MO

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 pp	5610.000	10.43	33.02	30.66	87.73	100.52	68.20	32.32	peak
2	5755.930	10.82	33.31	30.60	46.89	60.42	68.20	-7.78	peak



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Shenzhen Branch Testing Laboratory

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

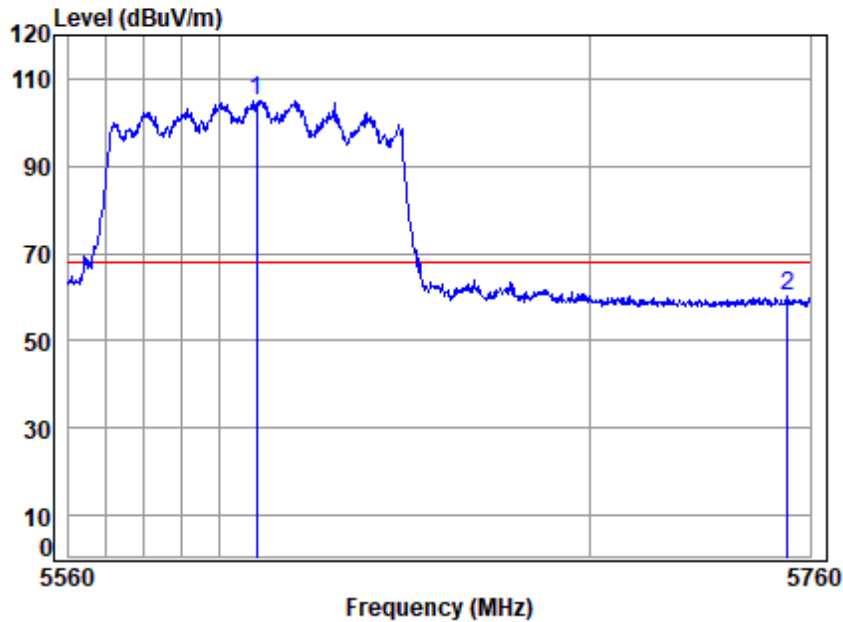
SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

SZEMC-TRF-01 Rev. A/1

Report No.: SZCR241100443604

Page: 177 of 622

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



Condition: 3m VERTICAL

Job No : 04436M0/04437M0

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 pp	5610.000	10.43	33.02	30.66	92.28	105.07	68.20	36.87	Peak
2	5753.896	10.81	33.31	30.60	46.51	60.03	68.20	-8.17	Peak



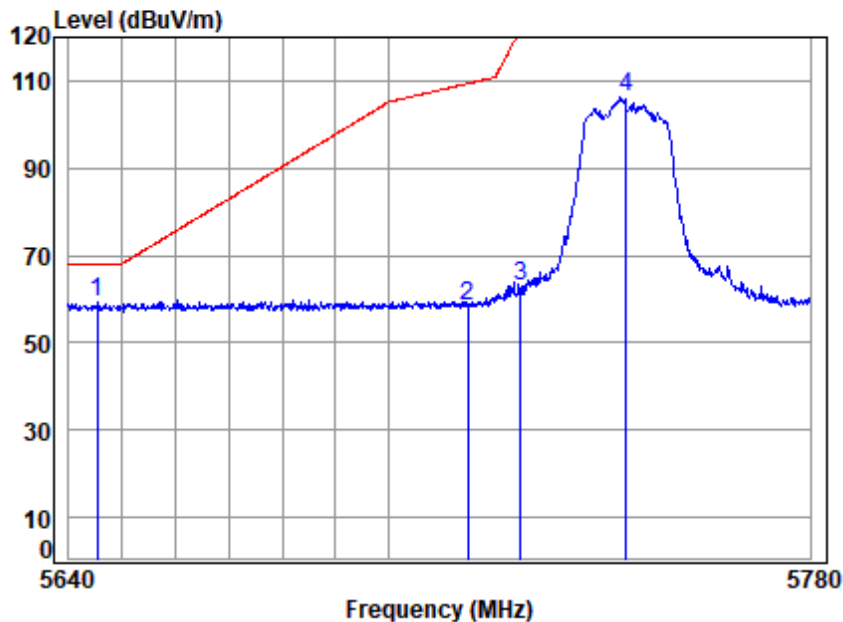
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Test Mode: 12; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Condition: 3m HORIZONTAL

Job No : 04436MO/04437MO

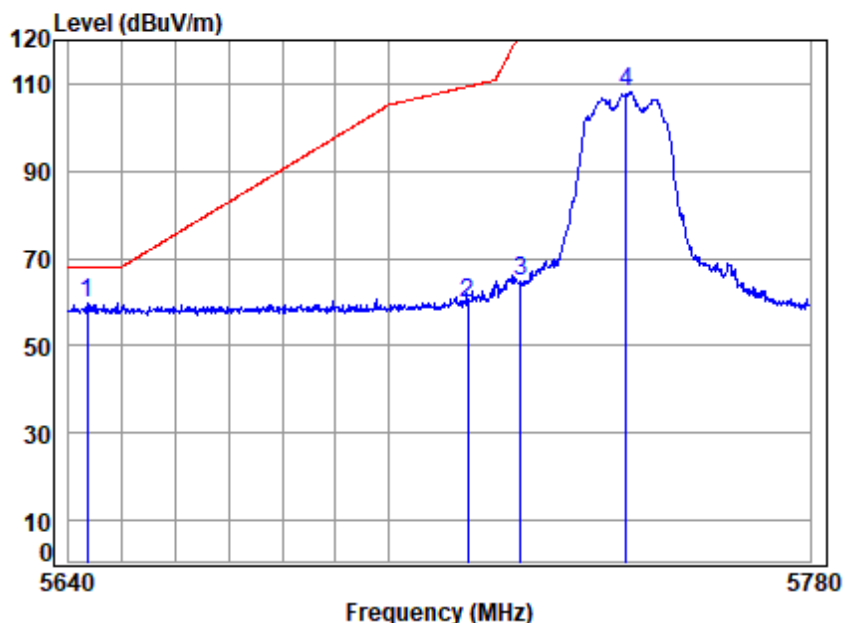
Mode : 5745 Band edge

: 5.8G WIFI 11B

		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 pp	5645.257	10.48	33.09	30.64	46.24	59.17	68.20	-9.03 peak
2	5715.000	10.63	33.23	30.61	45.02	58.27	109.40	-51.13 peak
3	5725.000	10.68	33.25	30.61	49.84	63.16	122.20	-59.04 peak
4	5745.000	10.77	33.29	30.60	92.69	106.15	-----	----- peak



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



Condition: 3m VERTICAL

Job No : 04436M0/04437M0

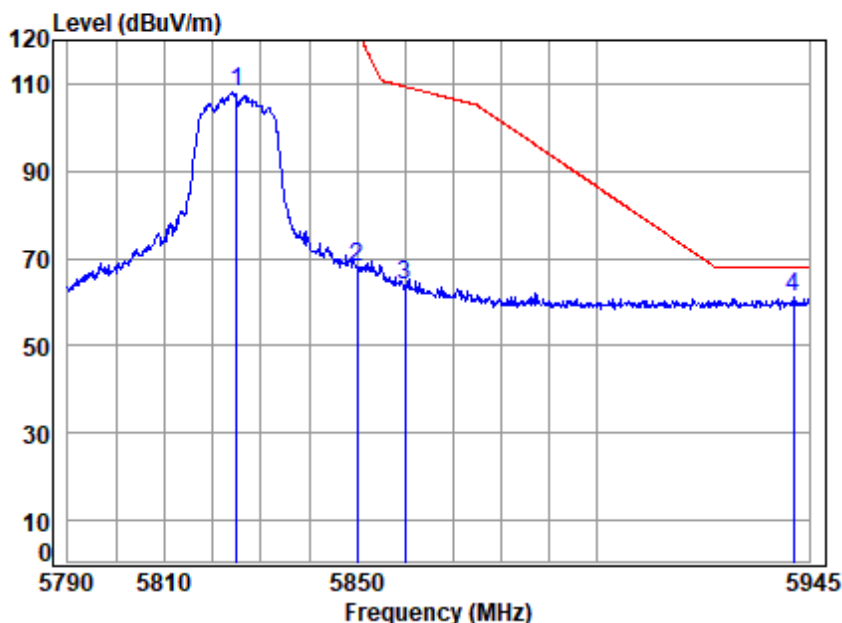
Mode : 5745 Band edge

: 5.8G WIFI 11B

		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 pp	5643.458	10.48	33.09	30.64	46.63	59.56	68.20	-8.64 peak
2	5715.000	10.63	33.23	30.61	46.69	59.94	109.40	-49.46 peak
3	5725.000	10.68	33.25	30.61	51.31	64.63	122.20	-57.57 peak
4	5745.000	10.77	33.29	30.60	94.80	108.26	-----	----- peak



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



Condition: 3m HORIZONTAL

Job No : 04436MO/04437MO

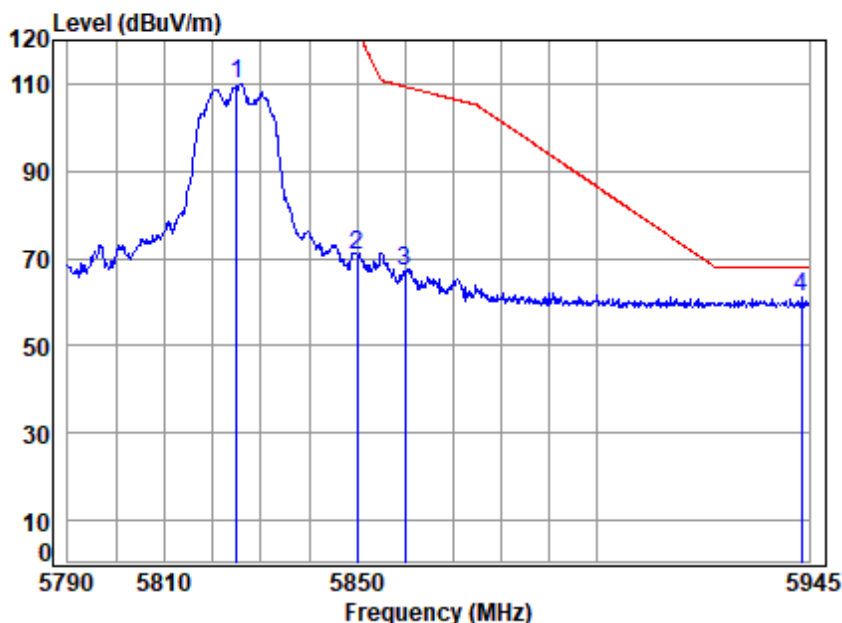
Mode : 5825 Band edge

: 5.8G WIFI 11B

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5825.000	10.99	33.50	30.57	94.35	108.27	-----	----- peak
2 5850.000	10.95	33.60	30.56	53.88	67.87	122.20	-54.33 peak
3 5860.000	10.94	33.58	30.56	50.07	64.03	109.40	-45.37 peak
4 pp 5941.703	10.86	33.58	30.52	47.19	61.11	68.20	-7.09 peak



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



Condition: 3m VERTICAL

Job No : 04436M0/04437M0

Mode : 5825 Band edge

: 5.8G WIFI 11B

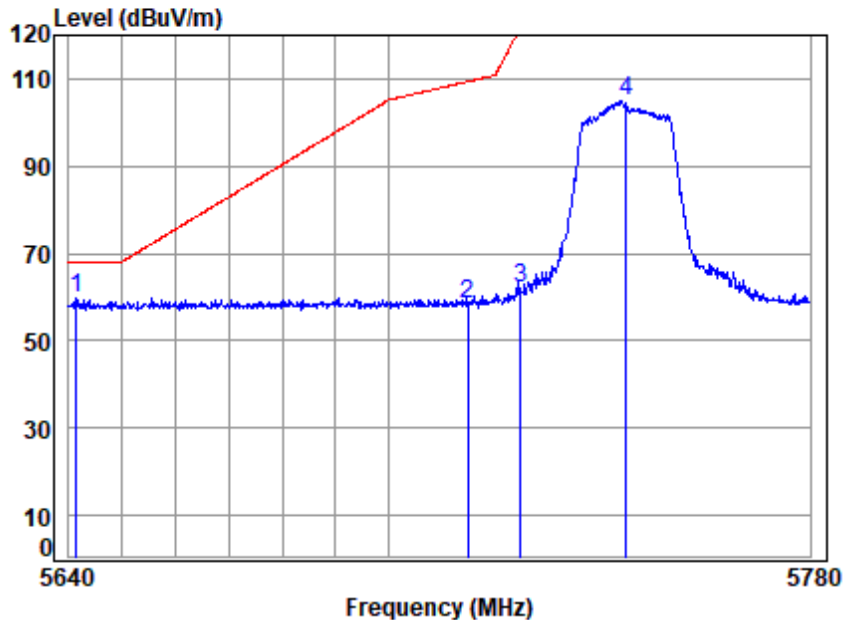
	Cable	Ant	Preamp	Read		Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 5825.000	10.99	33.50	30.57	95.93	109.85	-----	-----	peak
2 5850.000	10.95	33.60	30.56	56.72	70.71	122.20	-51.49	peak
3 5860.000	10.94	33.58	30.56	53.12	67.08	109.40	-42.32	peak
4 pp 5943.430	10.86	33.59	30.52	47.26	61.19	68.20	-7.01	peak



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



Condition: 3m HORIZONTAL

Job No : 04436MO/04437MO

Mode : 5745 Band edge

: 5.8G WIFI 11N20

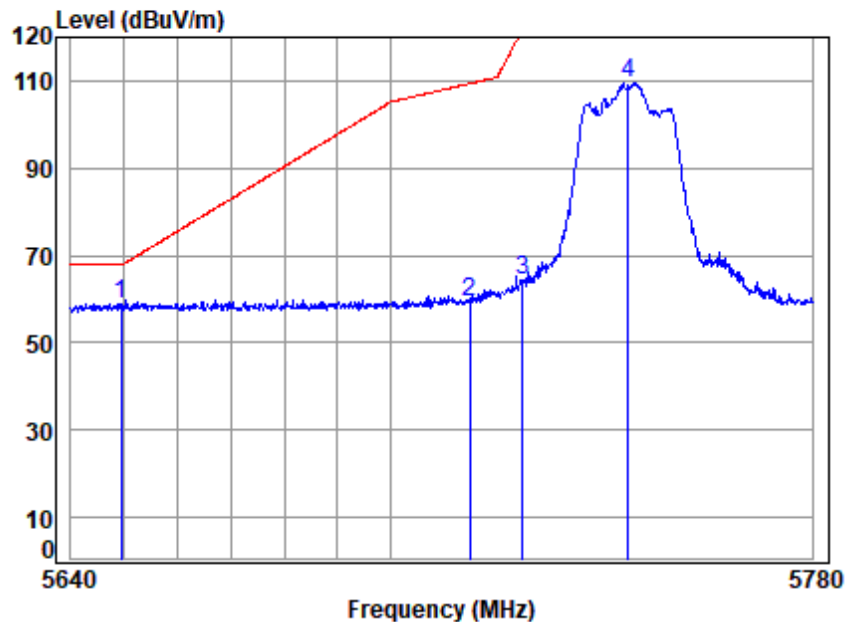
		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 pp	5641.383	10.47	33.08	30.64	46.94	59.85	68.20	-8.35 peak
2	5715.000	10.63	33.23	30.61	44.93	58.18	109.40	-51.22 peak
3	5725.000	10.68	33.25	30.61	48.69	62.01	122.20	-60.19 peak
4	5745.000	10.77	33.29	30.60	91.34	104.80	-----	----- peak



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



Condition: 3m VERTICAL

Job No : 04436M0/04437M0

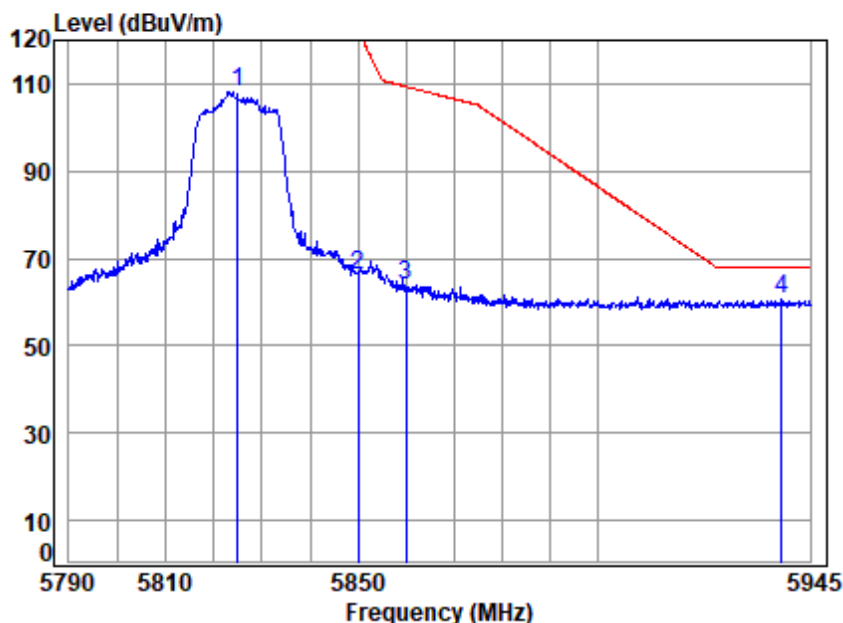
Mode : 5745 Band edge

: 5.8G WIFI 11N20

		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 pp	5649.412	10.48	33.10	30.64	46.05	58.99	68.20	-9.21 peak
2	5715.000	10.63	33.23	30.61	46.06	59.31	109.40	-50.09 peak
3	5725.000	10.68	33.25	30.61	51.06	64.38	122.20	-57.82 peak
4	5745.000	10.77	33.29	30.60	96.01	109.47	-----	----- peak



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



Condition: 3m HORIZONTAL

Job No : 04436MO/04437MO

Mode : 5825 Band edge

: 5.8G WIFI 11N20

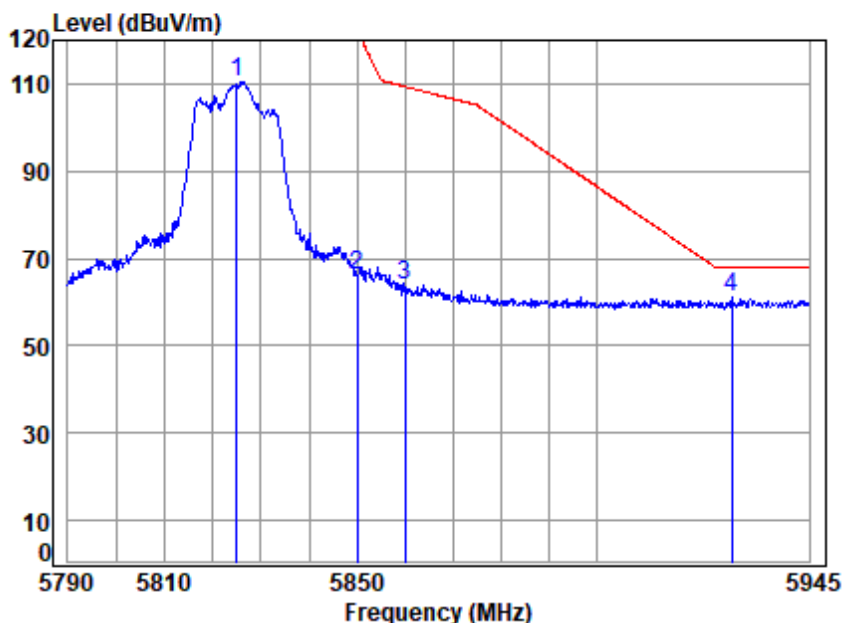
	Cable	Ant	Preamp	Read		Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 5825.000	10.99	33.50	30.57	94.34	108.26	-----	-----	peak
2 5850.000	10.95	33.60	30.56	52.22	66.21	122.20	-55.99	peak
3 5860.000	10.94	33.58	30.56	50.11	64.07	109.40	-45.33	peak
4 pp 5938.878	10.86	33.58	30.52	46.89	60.81	68.20	-7.39	peak



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



Condition: 3m VERTICAL

Job No : 04436M0/04437M0

Mode : 5825 Band edge

: 5.8G WIFI 11N20

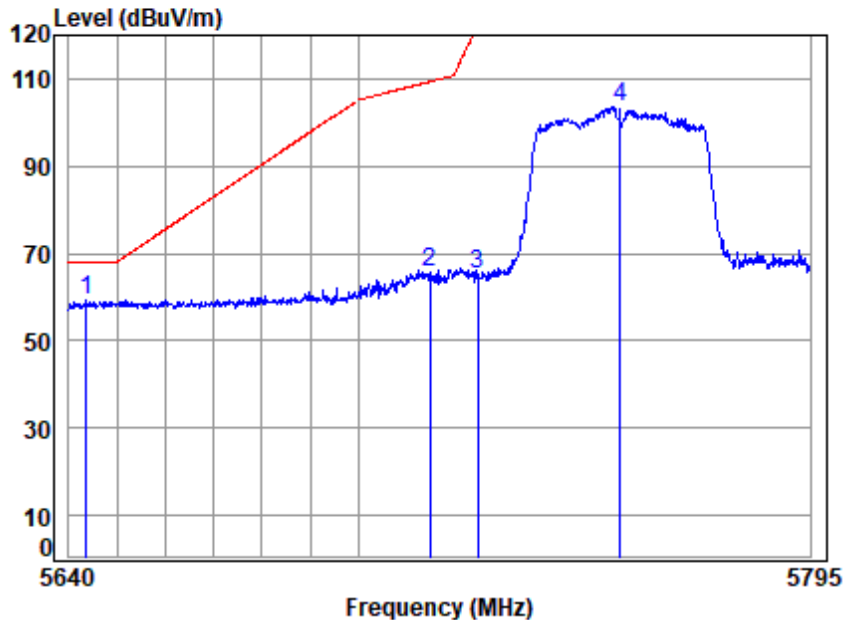
	Cable	Ant	Preamp	Read		Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 5825.000	10.99	33.50	30.57	96.48	110.40	-----	-----	peak
2 5850.000	10.95	33.60	30.56	52.35	66.34	122.20	-55.86	peak
3 5860.000	10.94	33.58	30.56	49.84	63.80	109.40	-45.60	peak
4 pp 5928.688	10.87	33.56	30.53	47.40	61.30	68.20	-6.90	peak



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Test Mode: 12; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



Condition: 3m HORIZONTAL

Job No : 04436MO/04437MO

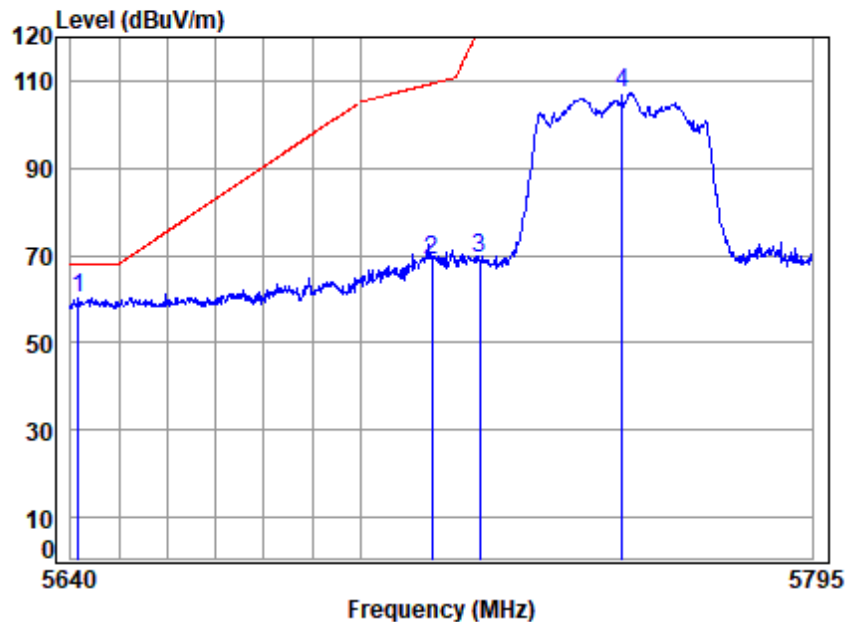
Mode : 5755 Band edge

: 5.8G WIFI 11N40

		Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp 5643.671	10.48	33.09	30.64	46.55	59.48	68.20	-8.72	peak
2 5715.000	10.63	33.23	30.61	52.43	65.68	109.40	-43.72	peak
3 5725.000	10.68	33.25	30.61	51.97	65.29	122.20	-56.91	peak
4 5755.000	10.81	33.31	30.60	90.01	103.53	-----	-----	peak



Test Mode: 12; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



Condition: 3m VERTICAL

Job No : 04436M0/04437M0

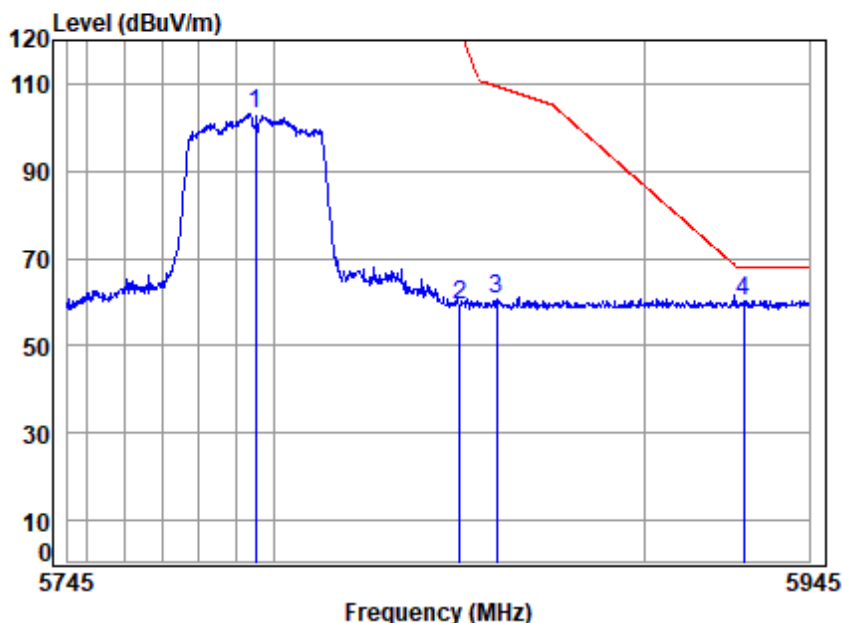
Mode : 5755 Band edge

: 5.8G WIFI 11N40

		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 pp	5641.529	10.47	33.08	30.64	47.32	60.23	68.20	-7.97 peak
2	5715.000	10.63	33.23	30.61	55.80	69.05	109.40	-40.35 peak
3	5725.000	10.68	33.25	30.61	55.98	69.30	122.20	-52.90 peak
4	5755.000	10.81	33.31	30.60	93.79	107.31	-----	----- peak



Test Mode: 12; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:High



Condition: 3m HORIZONTAL

Job No : 04436MO/04437MO

Mode : 5795 Band edge

: 5.8G WIFI 11N40

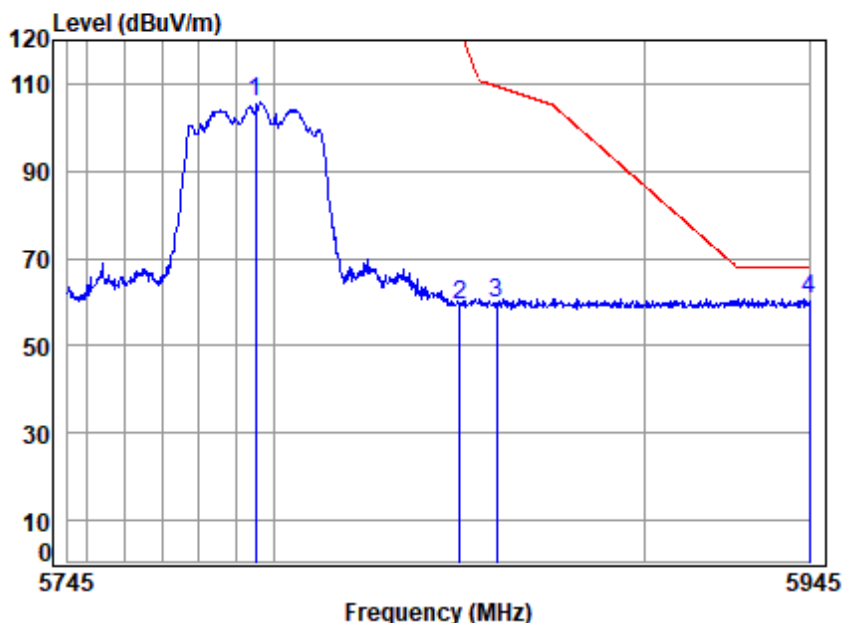
	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5795.000	11.00	33.39	30.58	89.29	103.10	-----	----- peak
2 5850.000	10.95	33.60	30.56	45.30	59.29	122.20	-62.91 peak
3 5860.000	10.94	33.58	30.56	46.60	60.56	109.40	-48.84 peak
4 pp 5927.124	10.87	33.55	30.53	46.55	60.44	68.20	-7.76 peak



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Test Mode: 12; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:High



Condition: 3m VERTICAL

Job No : 04436M0/04437M0

Mode : 5795 Band edge

: 5.8G WIFI 11N40

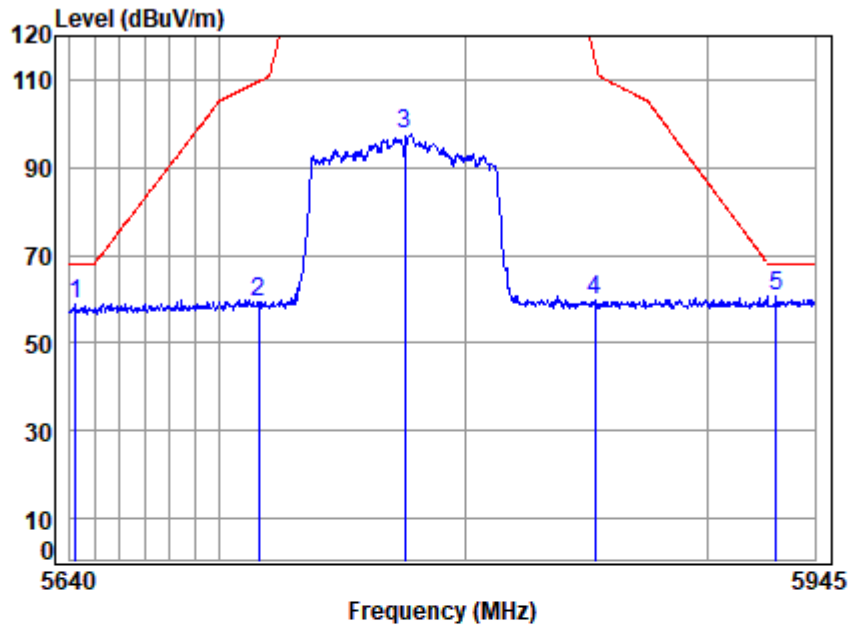
	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5795.000	11.00	33.39	30.58	92.15	105.96	-----	----- peak
2 5850.000	10.95	33.60	30.56	45.18	59.17	122.20	-63.03 peak
3 5860.000	10.94	33.58	30.56	45.75	59.71	109.40	-49.69 peak
4 pp 5945.000	10.85	33.59	30.52	46.90	60.82	68.20	-7.38 peak



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Test Mode: 12; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:80MHz; Channel:middle



Condition: 3m HORIZONTAL

Job No : 00436MO/00437MO

Mode : 5775 Band edge

: 5.8G Wi-Fi 11AC80

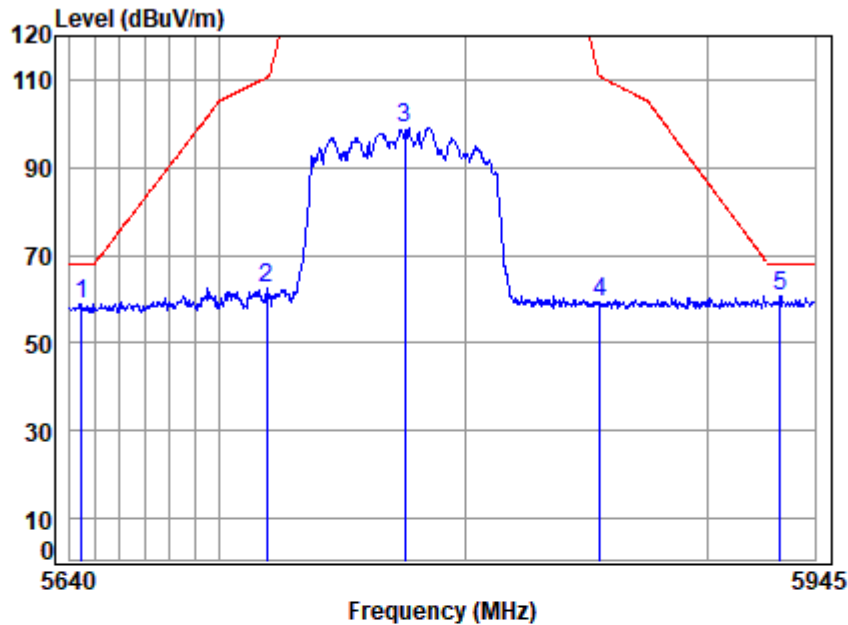
	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5642.377	10.47	33.08	30.64	45.82	58.73	68.20	-9.47 Peak
2	5715.654	10.63	33.23	30.61	46.24	59.49	109.58	-50.09 peak
3	5775.000	10.91	33.35	30.59	84.05	97.72	-----	----- peak
4	5853.349	10.95	33.59	30.56	45.82	59.80	114.56	-54.76 peak
5 pp	5928.741	10.87	33.56	30.53	46.73	60.63	68.20	-7.57 peak



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Test Mode: 12; Polarity: Vertical; Modulation:802.11ac; Bandwidth:80MHz; Channel:middle



Condition: 3m VERTICAL

Job No : 00436MO/00437MO

Mode : 5775 Band edge

: 5.8G Wi-Fi 11AC80

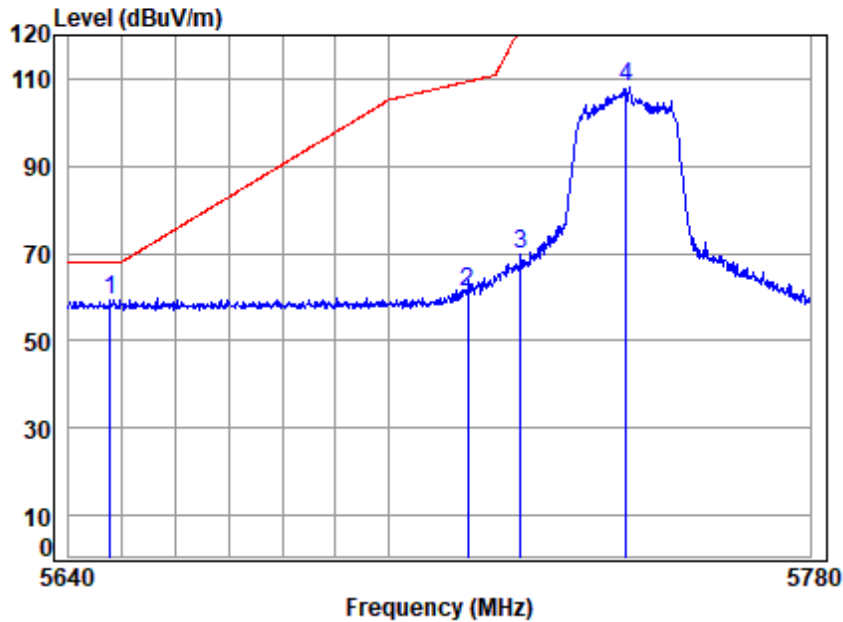
	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5644.754	10.48	33.09	30.64	46.11	59.04	68.20	-9.16 Peak
2	5718.966	10.65	33.24	30.61	49.08	62.36	110.51	-48.15 peak
3	5775.000	10.91	33.35	30.59	85.35	99.02	-----	----- peak
4	5855.507	10.95	33.59	30.56	45.49	59.47	110.66	-51.19 peak
5 pp	5930.615	10.87	33.56	30.53	46.79	60.69	68.20	-7.51 peak



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



Condition: 3m HORIZONTAL

Job No : 04436M0/04437M0

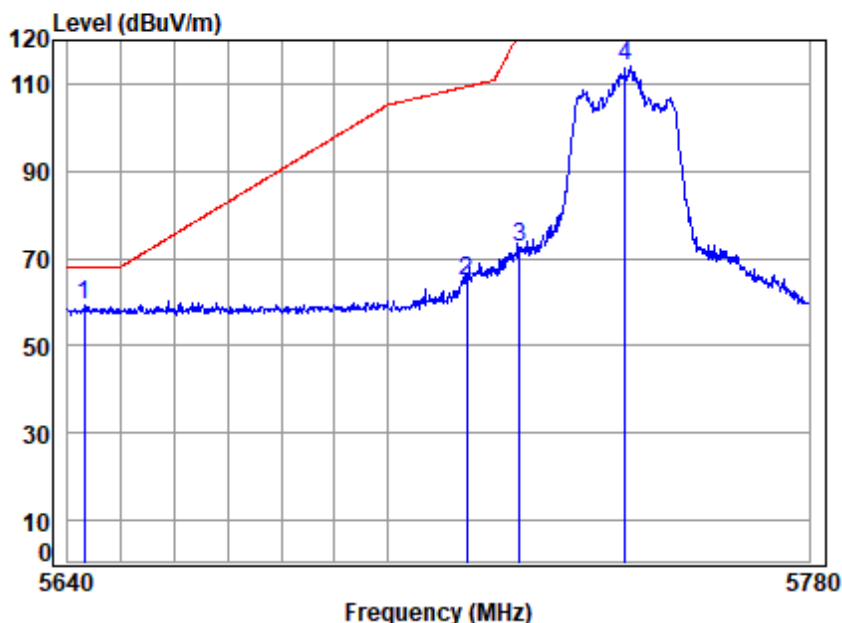
Mode : 5745 Band edge

: 5.8G 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 pp	5647.750	10.48	33.10	30.64	46.39	59.33	68.20	-8.87	peak
2	5715.000	10.63	33.23	30.61	47.87	61.12	109.40	-48.28	peak
3	5725.000	10.68	33.25	30.61	56.43	69.75	122.20	-52.45	peak
4	5745.000	10.77	33.29	30.60	94.46	107.92	-----	-----	peak



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



Condition: 3m VERTICAL

Job No : 04436M0/04437M0

Mode : 5745 Band edge

: 5.8G 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 pp	5643.043	10.47	33.09	30.64	46.25	59.17	68.20	-9.03	peak
2	5715.000	10.63	33.23	30.61	51.58	64.83	109.40	-44.57	peak
3	5725.000	10.68	33.25	30.61	59.18	72.50	122.20	-49.70	peak
4	5745.000	10.77	33.29	30.60	100.45	113.91	-----	-----	peak



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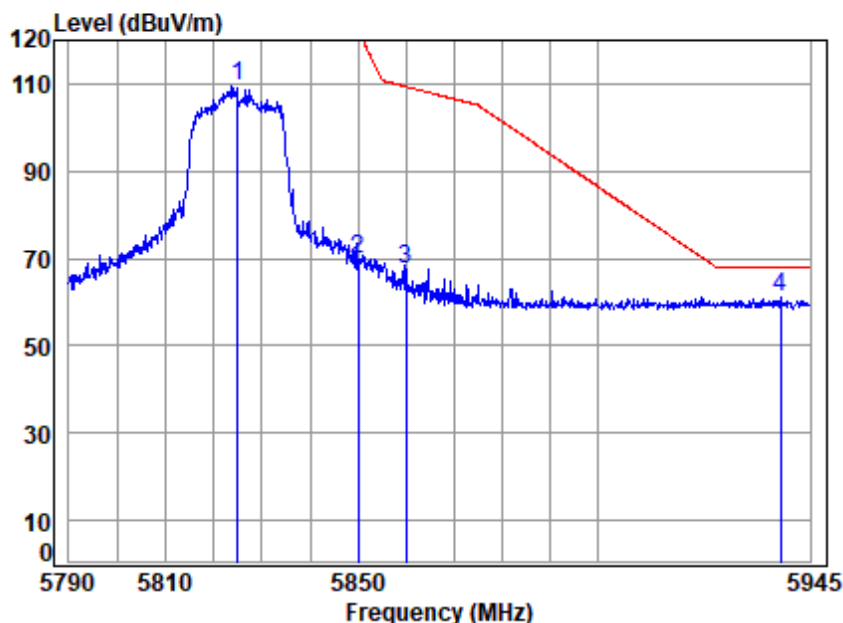
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Test Mode: 12; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:High



Condition: 3m HORIZONTAL

Job No : 04436MO/04437MO

Mode : 5825 Band edge

: 5.8G 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	10.99	33.50	30.57	95.59	109.51	-----	-----	peak
2 5850.000	10.95	33.60	30.56	55.66	69.65	122.20	-52.55	peak
3 5860.000	10.94	33.58	30.56	53.74	67.70	109.40	-41.70	peak
4 pp 5938.721	10.86	33.58	30.52	47.15	61.07	68.20	-7.13	peak



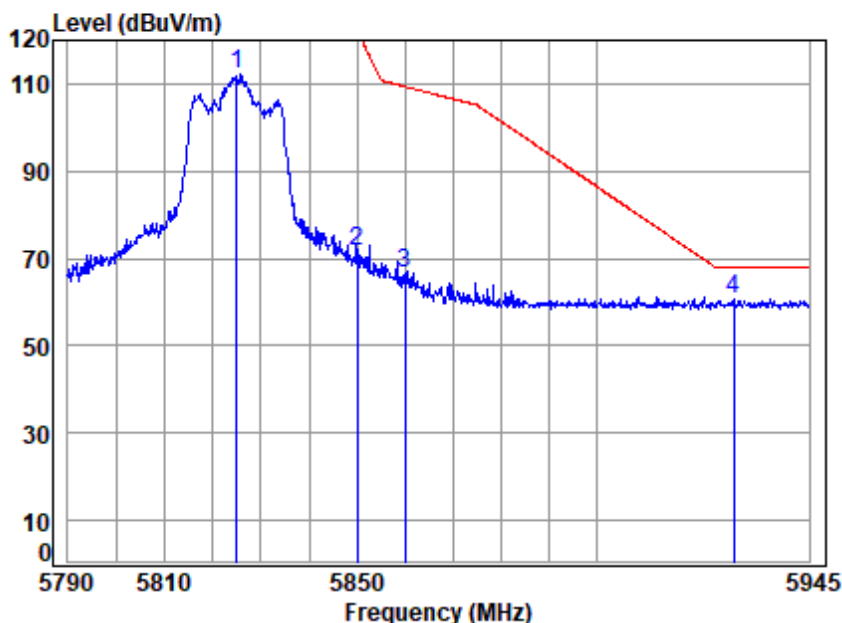
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Test Mode: 12; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:High



Condition: 3m VERTICAL

Job No : 04436M0/04437M0

Mode : 5825 Band edge

: 5.8G 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	10.99	33.50	30.57	98.12	112.04	-----	----- peak
2 5850.000	10.95	33.60	30.56	57.76	71.75	122.20	-50.45 peak
3 5860.000	10.94	33.58	30.56	52.81	66.77	109.40	-42.63 peak
4 pp 5929.002	10.87	33.56	30.53	46.80	60.70	68.20	-7.50 peak



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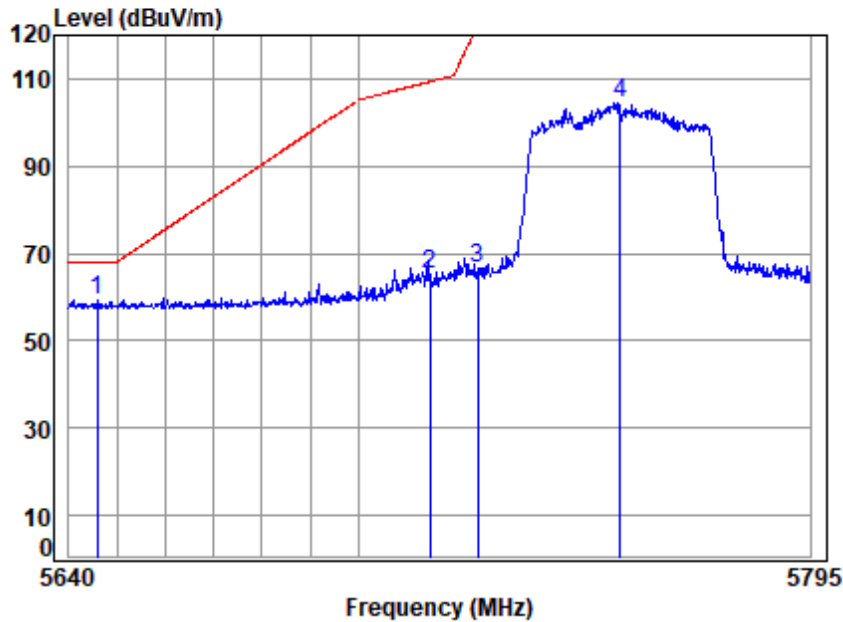
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Test Mode: 12; Polarity: Horizontal; Modulation: 802.11ax(Full RU0); Bandwidth: 40MHz; Channel: Low



Condition: 3m HORIZONTAL

Job No : 04436MO/04437MO

Mode : 5755 Band edge

: 5.8G 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 pp	5645.813	10.48	33.09	30.64	46.37	59.30	68.20	-8.90	peak
2	5715.000	10.63	33.23	30.61	52.10	65.35	109.40	-44.05	peak
3	5725.000	10.68	33.25	30.61	53.25	66.57	122.20	-55.63	peak
4	5755.000	10.81	33.31	30.60	90.93	104.45	-----	-----	peak



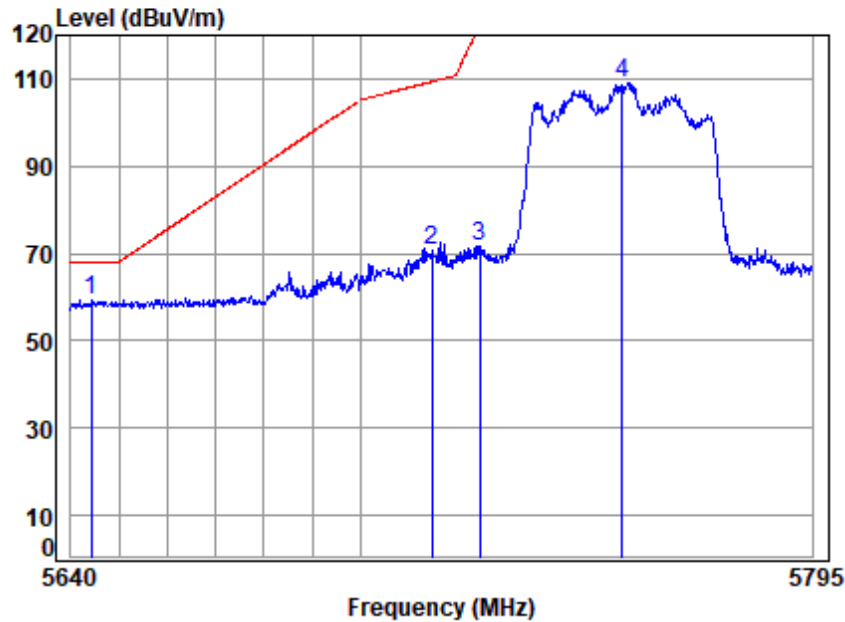
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Test Mode: 12; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:Low



Condition: 3m VERTICAL

Job No : 04436M0/04437M0

Mode : 5755 Band edge

: 5.8G WIFI 11AX40

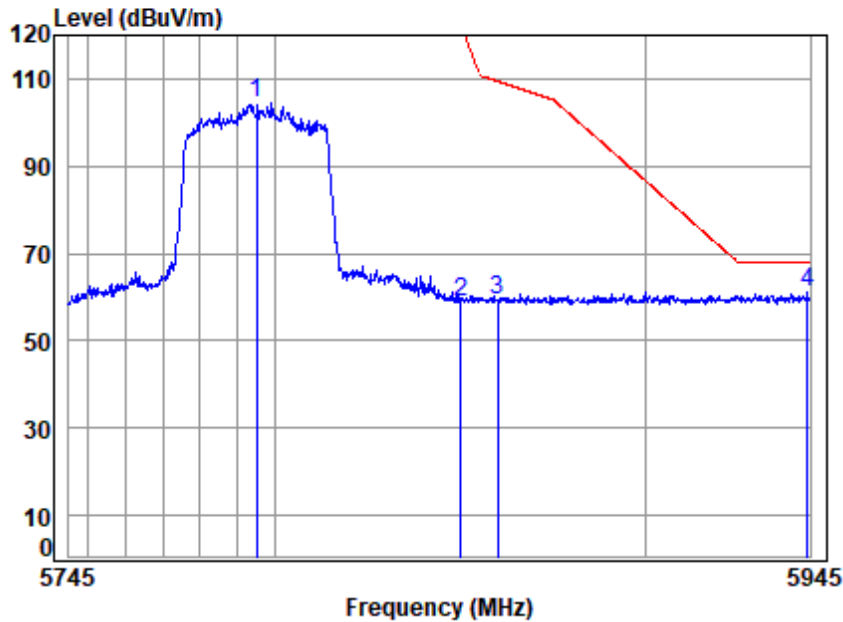
		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5644.283	10.48	33.09	30.64	46.50	59.43	68.20	-8.77	peak
2	5715.000	10.63	33.23	30.61	57.64	70.89	109.40	-38.51	peak
3	5725.000	10.68	33.25	30.61	58.29	71.61	122.20	-50.59	peak
4	5755.000	10.81	33.31	30.60	95.41	108.93	-----	-----	peak



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



Condition: 3m HORIZONTAL

Job No : 04436MO/04437MO

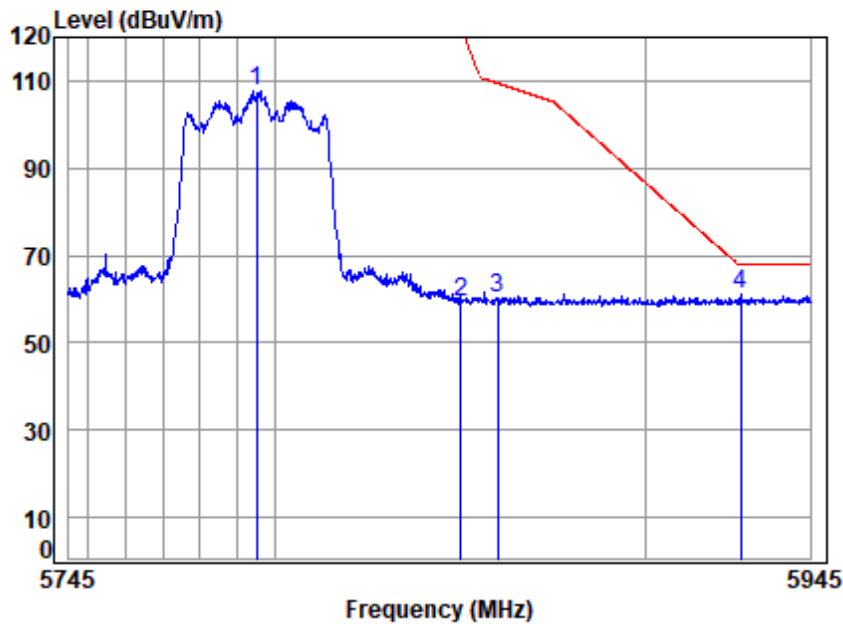
Mode : 5795 Band edge

: 5.8G 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	11.00	33.39	30.58	90.60	104.41	-----	----- peak
2 5850.000	10.95	33.60	30.56	45.02	59.01	122.20	-63.19 peak
3 5860.000	10.94	33.58	30.56	45.40	59.36	109.40	-50.04 peak
4 pp 5944.187	10.85	33.59	30.52	47.15	61.07	68.20	-7.13 peak



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



Condition: 3m VERTICAL

Job No : 04436M0/04437M0

Mode : 5795 Band edge

: 5.8G 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	11.00	33.39	30.58	93.70	107.51	-----	-----	peak
2	5850.000	10.95	33.60	30.56	45.27	59.26	122.20	-62.94	peak
3	5860.000	10.94	33.58	30.56	46.40	60.36	109.40	-49.04	peak
4 pp	5925.907	10.87	33.55	30.53	47.18	61.07	68.20	-7.13	peak



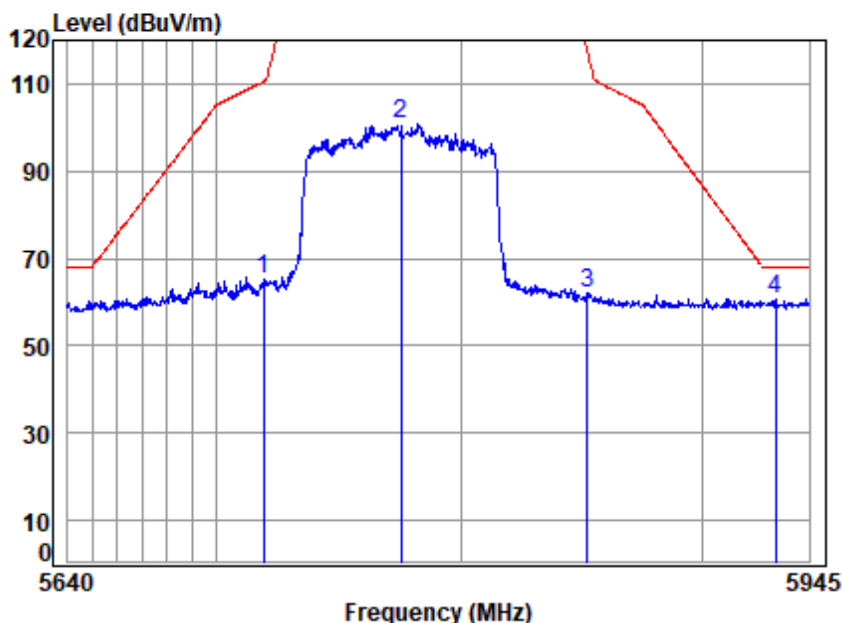
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Test Mode: 12; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:80MHz; Channel:middle



Condition: 3m HORIZONTAL

Job No : 04436MO/04437MO

Mode : 5775 Band edge

: 5.8G WIFI 11AX80

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 5718.966	10.65	33.24	30.61	51.78	65.06	110.51	-45.45	peak
2 5775.000	10.91	33.35	30.59	87.09	100.76	-----	-----	peak
3 5852.116	10.95	33.60	30.56	48.28	62.27	117.37	-55.10	peak
4 pp 5930.927	10.87	33.56	30.53	46.88	60.78	68.20	-7.42	peak



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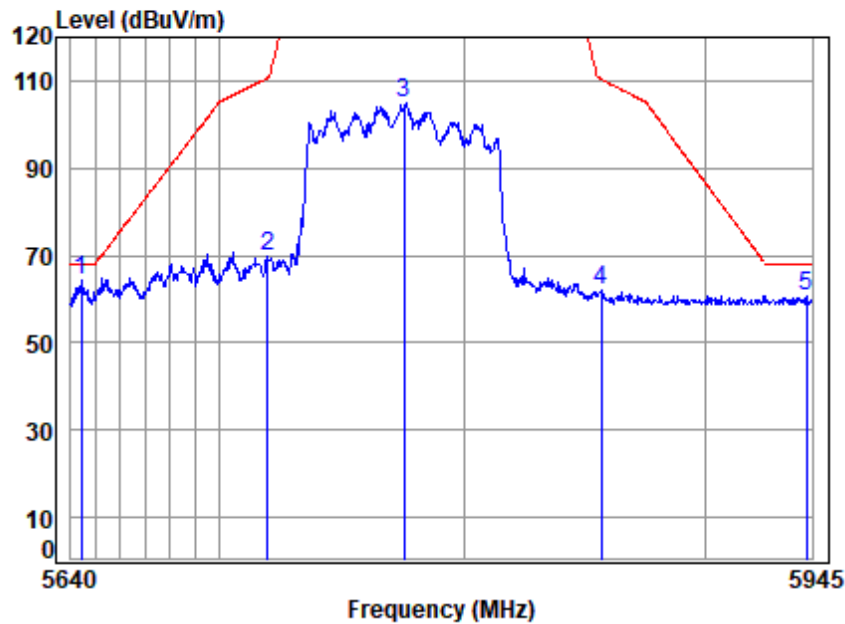
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Test Mode: 12; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:80MHz; Channel:middle



Condition: 3m VERTICAL

Job No : 04436M0/04437M0

Mode : 5775 Band edge

: 5.8G 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 pp	5644.160	10.48	33.09	30.64	51.54	64.47	68.20	-3.73	Peak
2	5719.267	10.65	33.24	30.61	56.44	69.72	110.60	-40.88	peak
3	5775.000	10.91	33.35	30.59	91.50	105.17	-----	-----	peak
4	5856.741	10.95	33.59	30.56	47.97	61.95	110.31	-48.36	peak
5	5942.809	10.86	33.59	30.52	46.98	60.91	68.20	-7.29	peak



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7.6 Duty Cycle

Test Requirement KDB 789033 D02 II B 1

Test Method: KDB 789033 D02 II B 1

7.6.1 E.U.T. Operation

Operating Environment:

Temperature: 24.5 °C Humidity: 38.9 % 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, 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, 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.



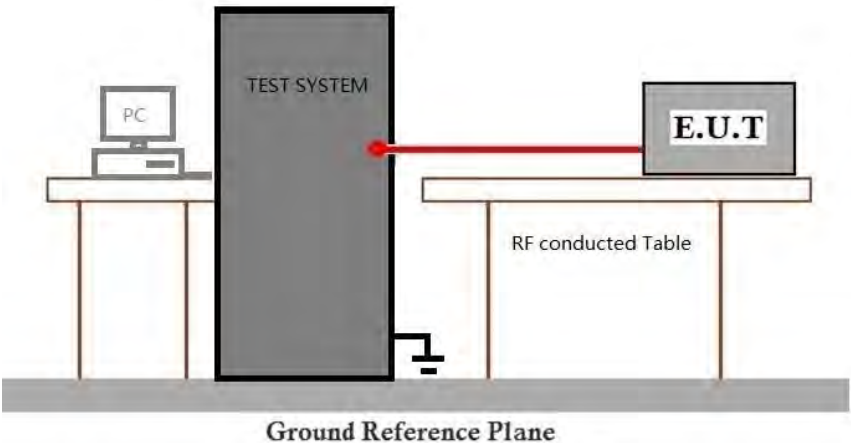
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7.6.3 Test Setup Diagram



7.6.4 Measurement Procedure and Data

Please Refer to Appendix for Details

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7.7 99% Bandwidth

Test Requirement N/A
Test Method: KDB 789033 D02 II D

7.7.1 E.U.T. Operation

Operating Environment:
Temperature: 24.5 °C Humidity: 38.9 % 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, 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, 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.



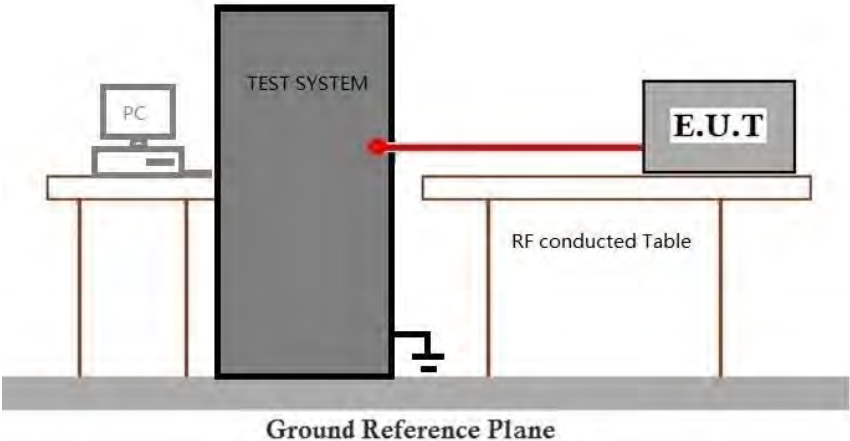
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7.7.3 Test Setup Diagram



7.7.4 Measurement Procedure and Data

Please Refer to Appendix for Details

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7.8 26dB Emission bandwidth

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

Test Method: KDB 789033 D02 II C 1

7.8.1 E.U.T. Operation

Operating Environment:

Temperature: 24.5 °C Humidity: 38.9 % 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.
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, 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, 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.



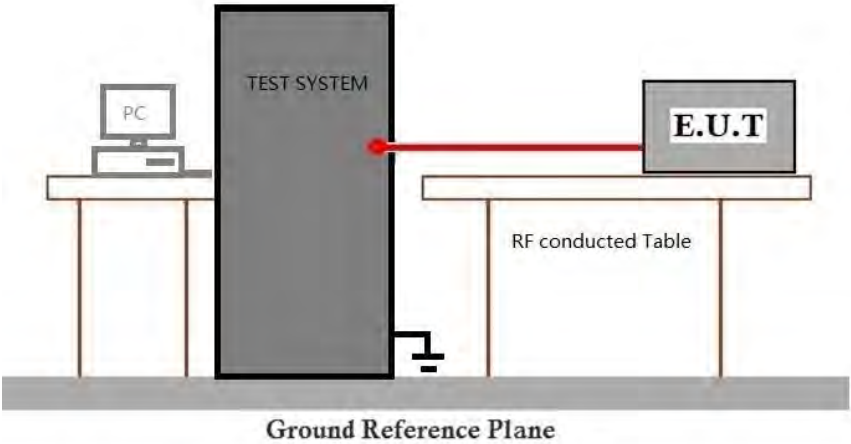
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7.8.3 Test Setup Diagram



7.8.4 Measurement Procedure and Data

Please Refer to Appendix for Details

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

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

Test Method: KDB 789033 D02 II C 2

Limit:

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

7.9.1 E.U.T. Operation

Operating Environment:

Temperature: 24.5 °C

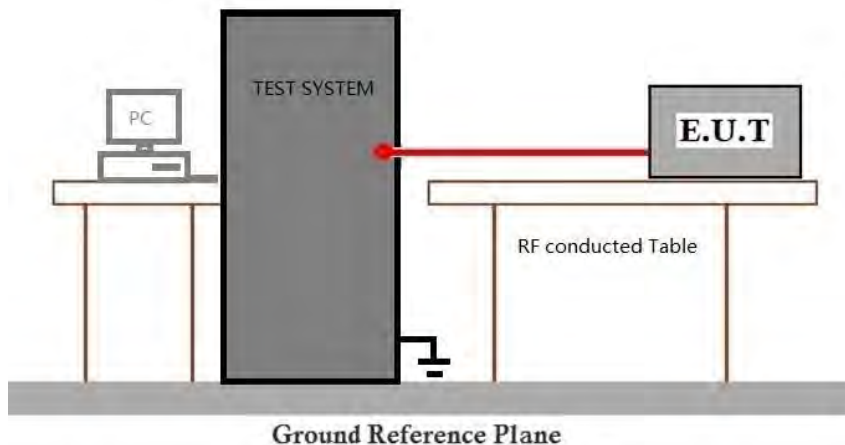
Humidity: 38.9 % RH

Atmospheric Pressure: 1020 mbar

7.9.2 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.

7.9.3 Test Setup Diagram



7.9.4 Measurement Procedure and Data

Please Refer to Appendix for Details

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7.10 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.

7.10.1 E.U.T. Operation

Operating Environment:

Temperature: 24.5 °C

Humidity: 38.9 % 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, 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, 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.



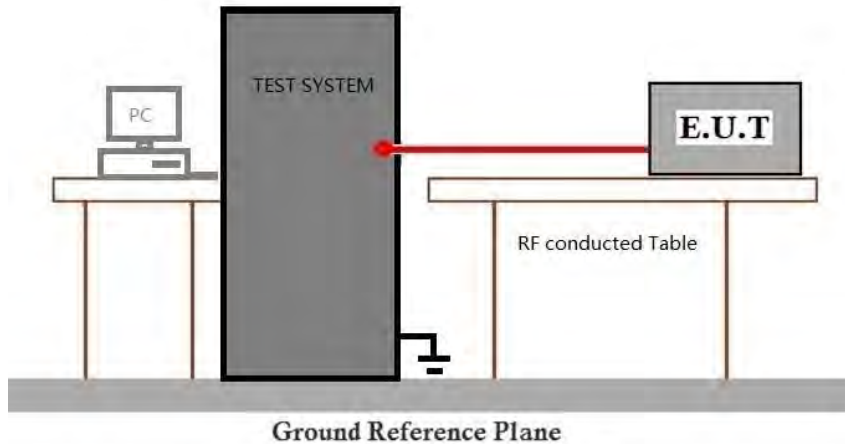
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7.10.3 Test Setup Diagram



7.10.4 Measurement Procedure and Data

Please Refer to Appendix for Details

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7.11 Frequency Stability

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

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

7.11.1 E.U.T. Operation

Operating Environment:

Temperature: 24.5 °C

Humidity: 38.9 % 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, 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, 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.



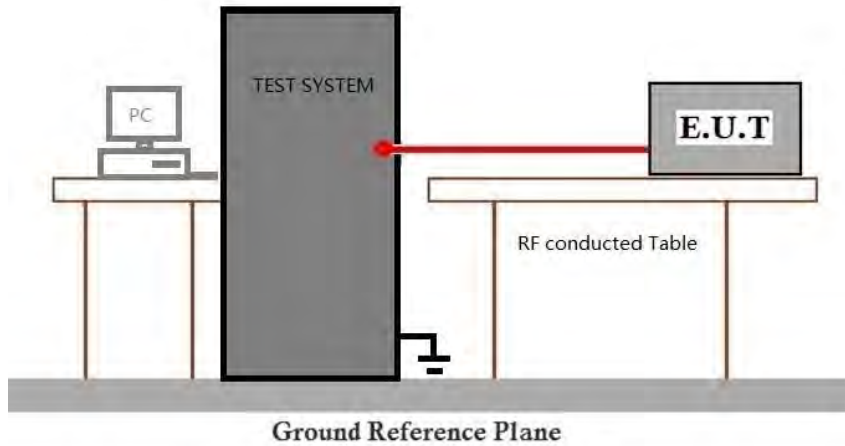
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7.11.3 Test Setup Diagram



7.11.4 Measurement Procedure and Data

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8 Test Setup Photo

Please refer to SZCR2411004436 Appendix_Setup Photo

9 EUT Constructional Details (EUT Photos)

Refer to Appendix – External and Internal Photos for SZCR2411004436MO.

10 Appendix

1. Duty Cycle

1.1 Test Result

1.1.1 Ant1

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	SISO	5180	/	/	2.097	2.113	99.24	0.03	0.03
		5200	/	/	2.097	2.113	99.24	0.03	0.03
		5240	/	/	2.098	2.113	99.29	0.03	0.03
		5260	/	/	2.097	2.113	99.24	0.03	0.03
		5300	/	/	2.098	2.113	99.29	0.03	0.03
		5320	/	/	2.097	2.112	99.29	0.03	0.03
		5500	/	/	2.098	2.113	99.29	0.03	0.00
		5580	/	/	2.097	2.113	99.24	0.03	0.03
		5700	/	/	2.097	2.112	99.29	0.03	0.03
		5745	/	/	2.097	2.112	99.29	0.03	0.03
		5785	/	/	2.097	2.113	99.24	0.03	0.03
		5825	/	/	2.097	2.113	99.24	0.03	0.03
802.11n (HT20)	MIMO	5180	/	/	5.369	5.386	99.68	0.01	0.03
		5200	/	/	5.368	5.384	99.70	0.01	0.04
		5240	/	/	5.368	5.384	99.70	0.01	0.04
		5260	/	/	5.369	5.384	99.72	0.01	0.00
		5300	/	/	5.368	5.385	99.68	0.01	0.03
		5320	/	/	5.370	5.386	99.70	0.01	0.04
		5500	/	/	5.368	5.385	99.68	0.01	0.03
		5580	/	/	5.368	5.384	99.70	0.01	0.04
		5700	/	/	5.368	5.384	99.70	0.01	0.04
		5745	/	/	5.368	5.384	99.70	0.01	0.04
		5785	/	/	5.370	5.386	99.70	0.01	0.04
		5825	/	/	5.368	5.384	99.70	0.01	0.04
802.11n (HT40)	MIMO	5190	/	/	5.392	5.408	99.70	0.01	0.04
		5230	/	/	5.392	5.409	99.69	0.01	0.03
		5270	/	/	5.393	5.408	99.72	0.01	0.00

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		5310	/	/	5.392	5.408	99.70	0.01	0.04
		5510	/	/	5.392	5.408	99.70	0.01	0.04
		5550	/	/	5.392	5.408	99.70	0.01	0.04
		5670	/	/	5.392	5.408	99.70	0.01	0.04
		5755	/	/	5.392	5.407	99.72	0.01	0.00
		5795	/	/	5.392	5.408	99.70	0.01	0.04
802.11ac (VHT20)	MIMO	5180	/	/	5.374	5.390	99.70	0.01	0.04
		5200	/	/	5.372	5.388	99.70	0.01	0.04
		5240	/	/	5.374	5.390	99.70	0.01	0.04
		5260	/	/	5.376	5.390	99.74	0.01	0.04
		5300	/	/	5.372	5.388	99.70	0.01	0.04
		5320	/	/	5.374	5.389	99.72	0.01	0.00
		5500	/	/	5.374	5.390	99.70	0.01	0.04
		5580	/	/	5.374	5.389	99.72	0.01	0.00
		5700	/	/	5.372	5.389	99.68	0.01	0.00
		5745	/	/	5.372	5.388	99.70	0.01	0.04
		5785	/	/	5.372	5.390	99.67	0.01	0.07
		5825	/	/	5.372	5.388	99.70	0.01	0.04
802.11ac (VHT40)	MIMO	5190	/	/	5.396	5.412	99.70	0.01	0.04
		5230	/	/	5.397	5.412	99.72	0.01	0.00
		5270	/	/	5.396	5.412	99.70	0.01	0.04
		5310	/	/	5.396	5.412	99.70	0.01	0.04
		5510	/	/	5.396	5.412	99.70	0.01	0.04
		5550	/	/	5.396	5.412	99.70	0.01	0.04
		5670	/	/	5.396	5.412	99.70	0.01	0.04
		5755	/	/	5.397	5.414	99.69	0.01	0.03
802.11ac (VHT80)	MIMO	5795	/	/	5.396	5.412	99.70	0.01	0.04
		5210	/	/	3.121	3.136	99.52	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	3.135	99.52	0.02	0.00
802.11ax (HEW20)	MIMO	5775	/	/	3.120	3.134	99.55	0.02	0.00
		5180	SU	/	5.428	5.446	99.67	0.01	0.04
		5200	SU	/	5.428	5.446	99.67	0.01	0.04
		5240	SU	/	5.428	5.444	99.71	0.01	0.00
		5260	SU	/	5.428	5.446	99.67	0.01	0.04
		5300	SU	/	5.428	5.445	99.69	0.01	0.00
		5320	SU	/	5.429	5.443	99.74	0.01	0.00
		5500	SU	/	5.428	5.446	99.67	0.01	0.04
		5580	SU	/	5.428	5.446	99.67	0.01	0.04



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SZEMC-TRF-01 Rev. A/1

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		5700	SU	/	5.428	5.446	99.67	0.01	0.04
		5745	SU	/	5.428	5.445	99.69	0.01	0.00
		5785	SU	/	5.428	5.446	99.67	0.01	0.04
		5825	SU	/	5.428	5.446	99.67	0.01	0.04
802.11ax (HEW40)	MIMO	5190	SU	/	4.815	4.832	99.65	0.02	0.03
		5230	SU	/	4.815	4.832	99.65	0.02	0.03
		5270	SU	/	4.815	4.832	99.65	0.02	0.03
		5310	SU	/	4.815	4.831	99.67	0.01	0.03
		5510	SU	/	4.815	4.832	99.65	0.02	0.03
		5550	SU	/	4.815	4.831	99.67	0.01	0.03
		5670	SU	/	4.816	4.833	99.65	0.02	0.03
		5755	SU	/	4.815	4.832	99.65	0.02	0.03
802.11ax (HEW80)	MIMO	5795	SU	/	4.817	4.833	99.67	0.01	0.03
		5210	SU	/	2.554	2.570	99.38	0.03	0.03
		5290	SU	/	2.554	2.569	99.42	0.03	0.03
		5530	SU	/	2.554	2.570	99.38	0.03	0.03
		5610	SU	/	2.555	2.571	99.38	0.03	0.03
		5775	SU	/	2.554	2.570	99.38	0.03	0.03



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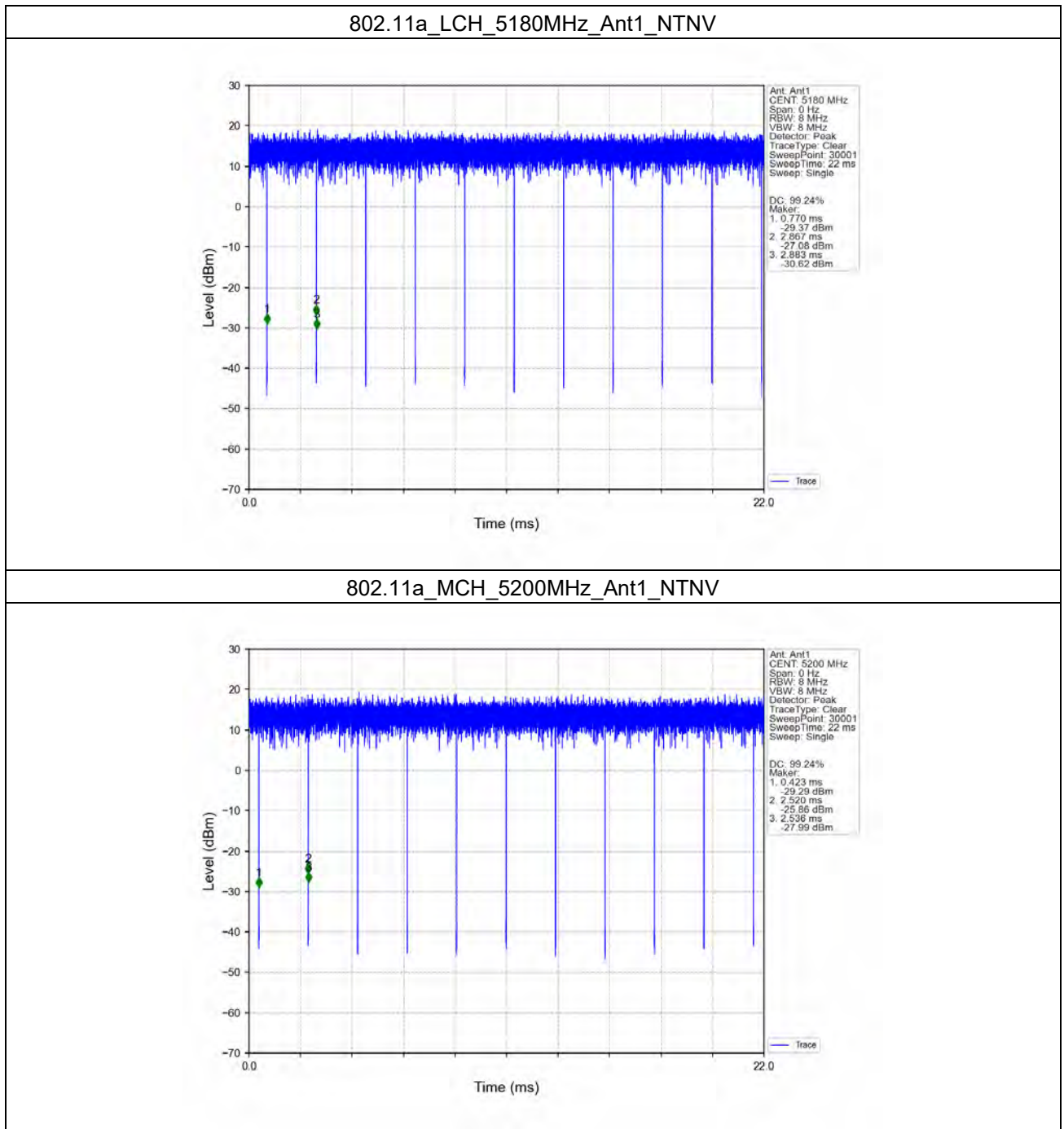
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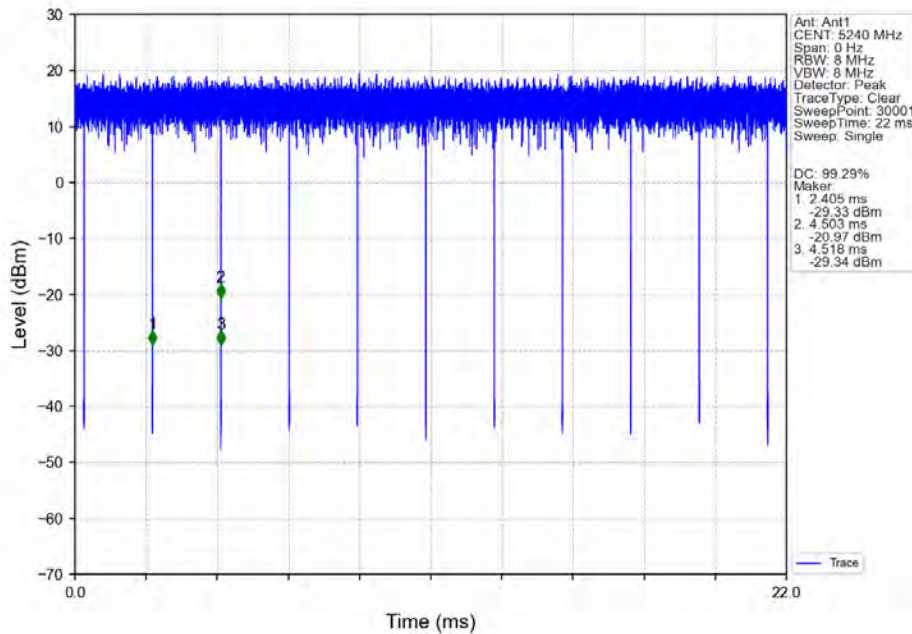
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1.2 Test Graph

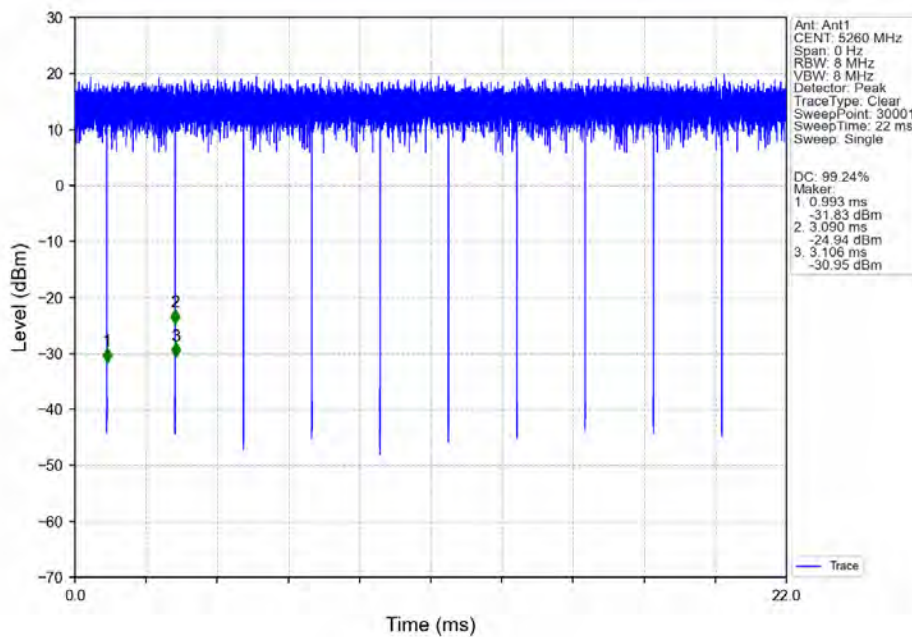
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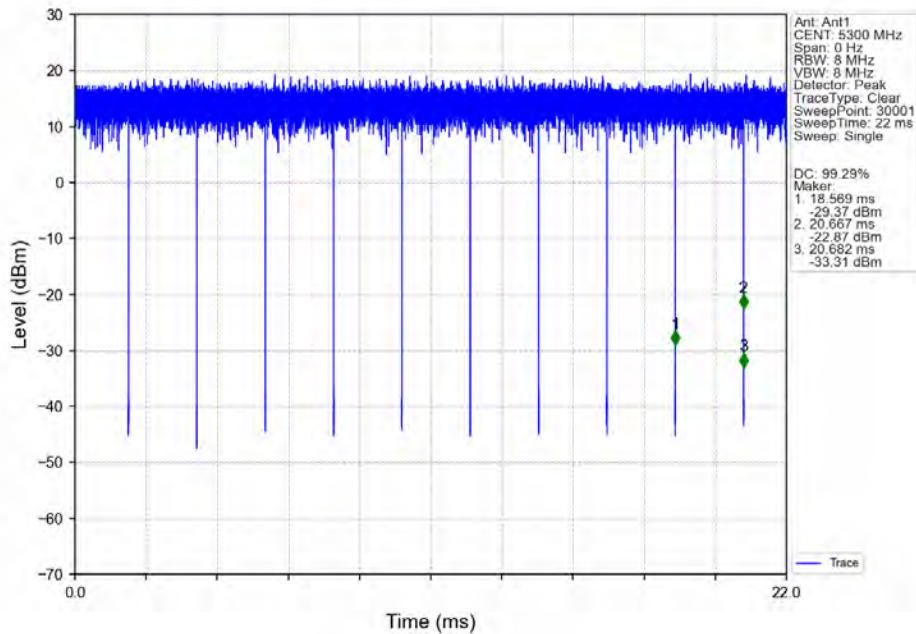
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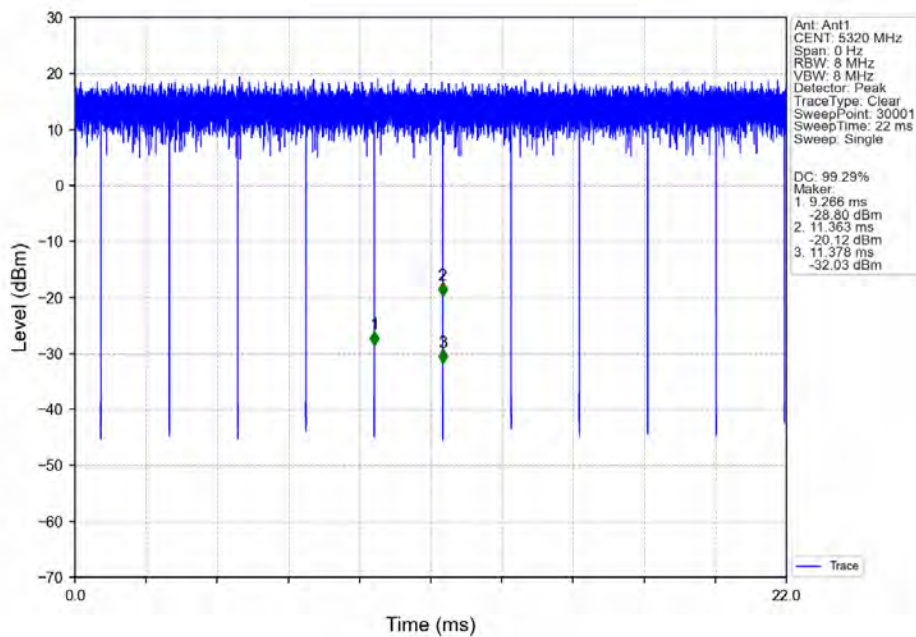
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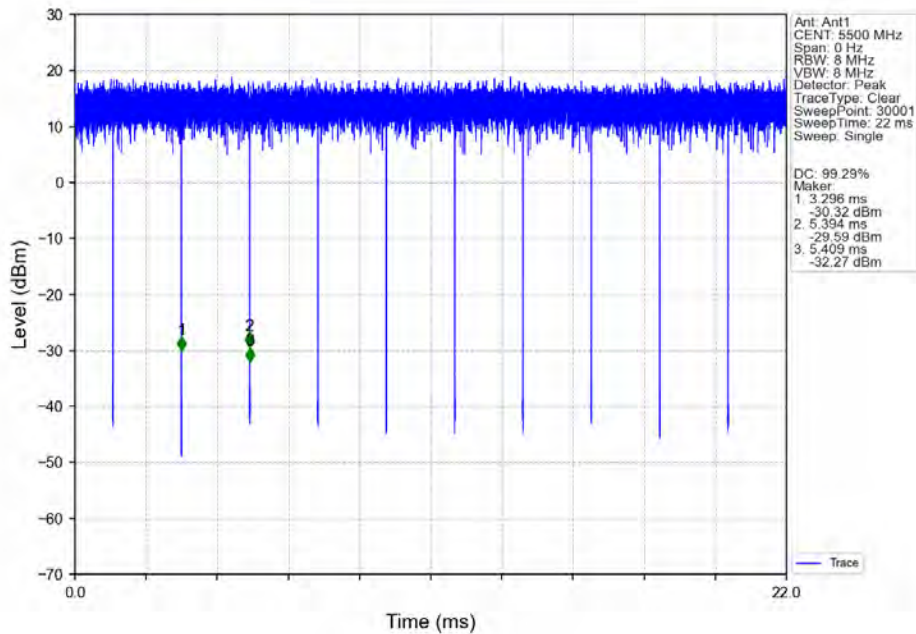
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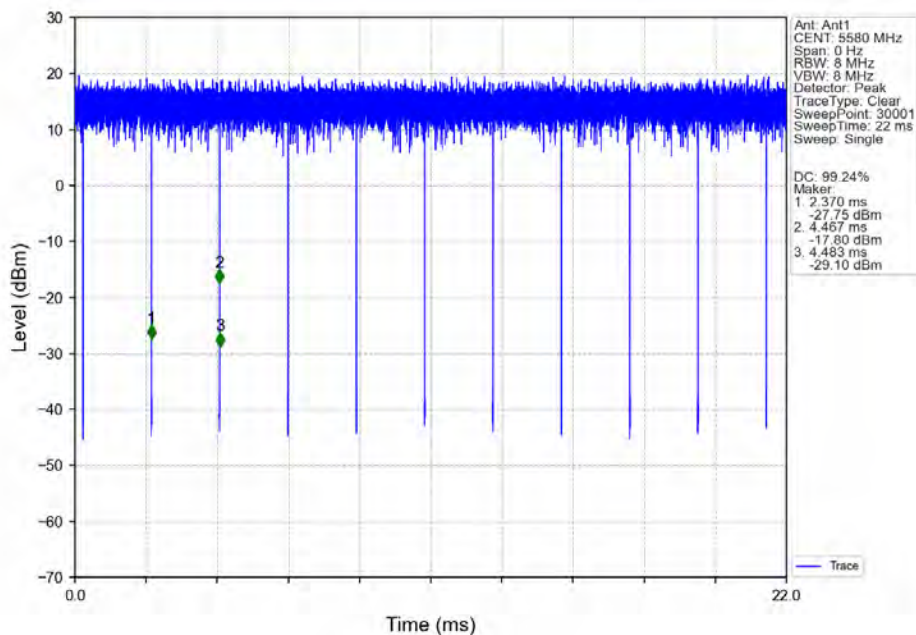
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802.11a_LCH_5500MHz_Ant1_NTNV



802.11a_MCH_5580MHz_Ant1_NTNV



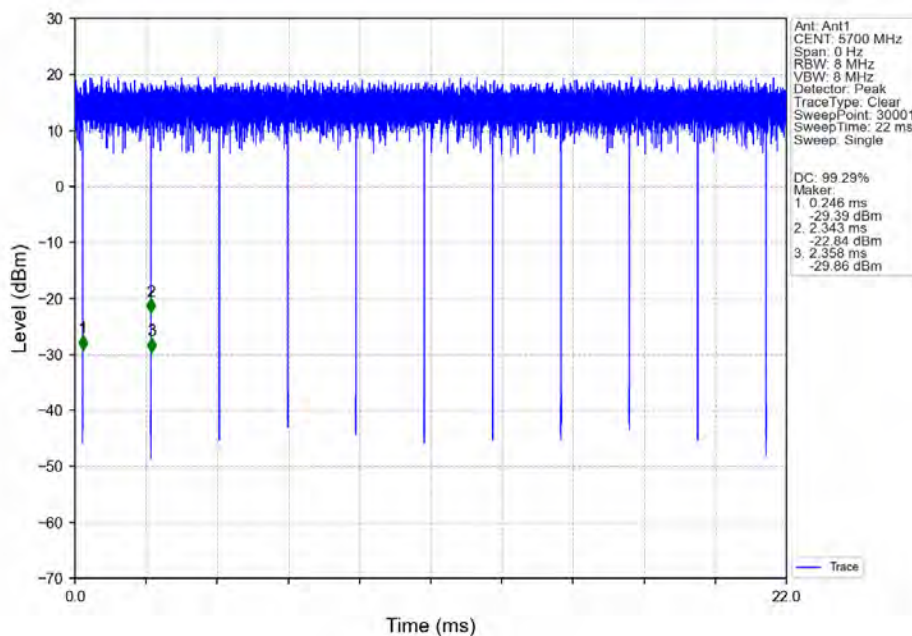
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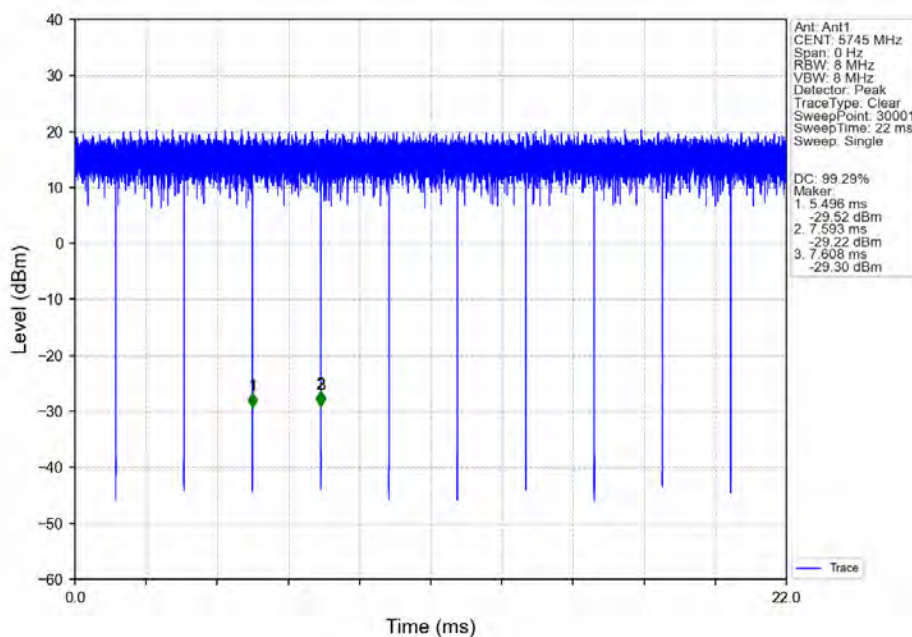
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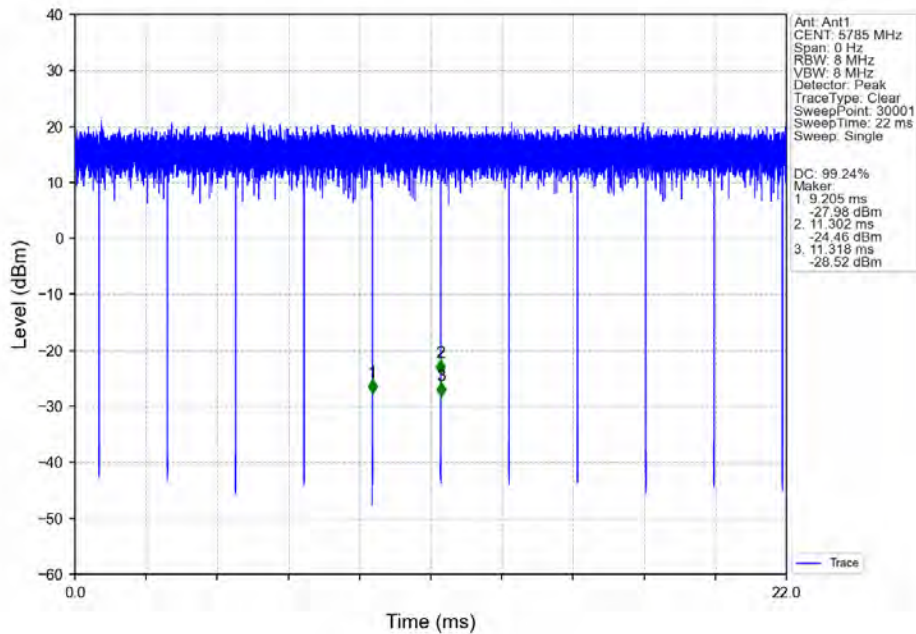
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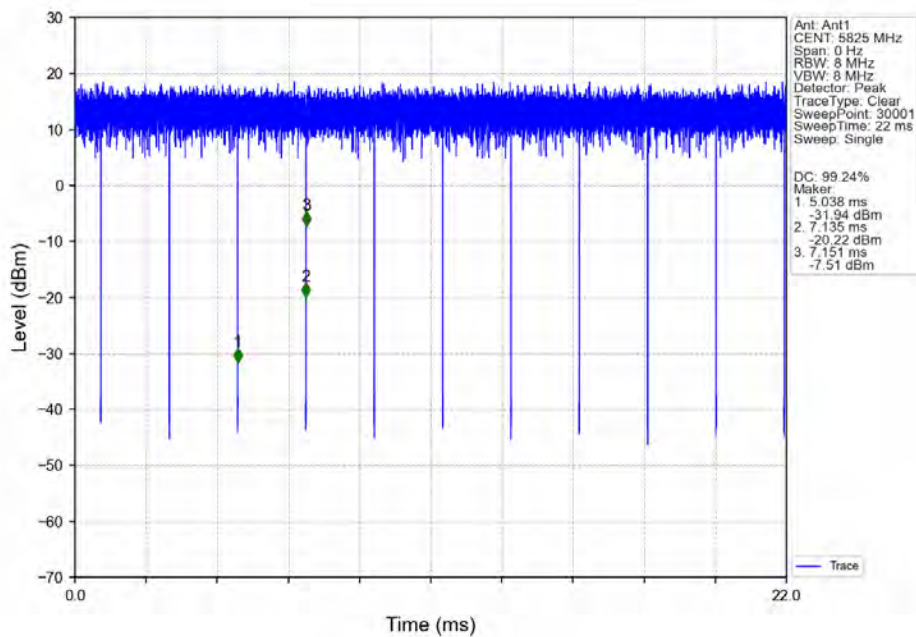
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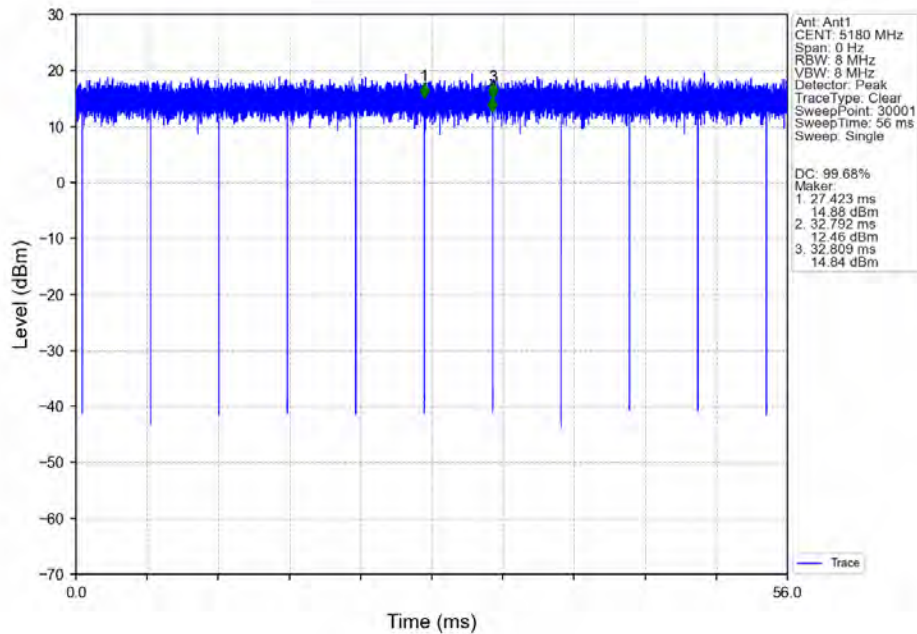
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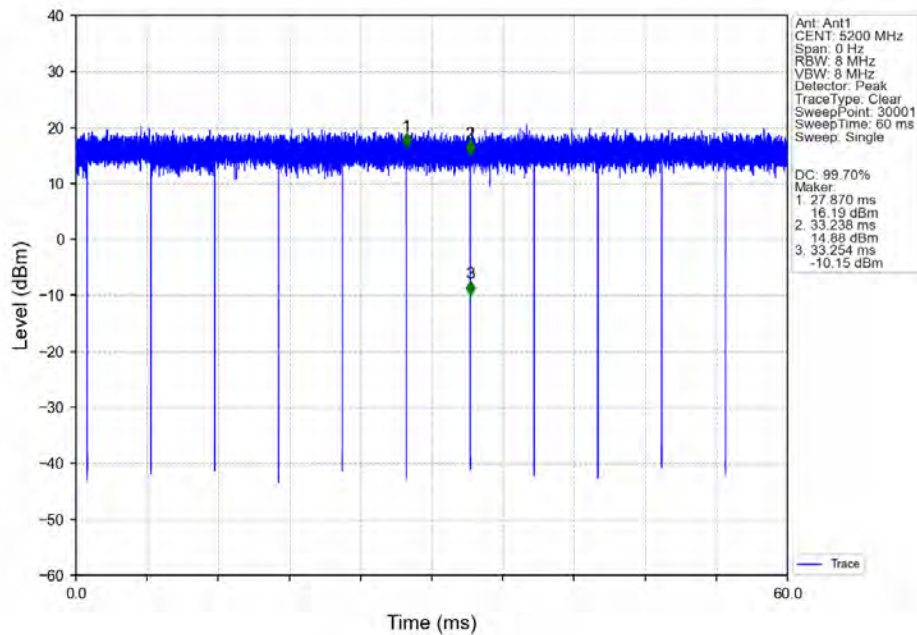
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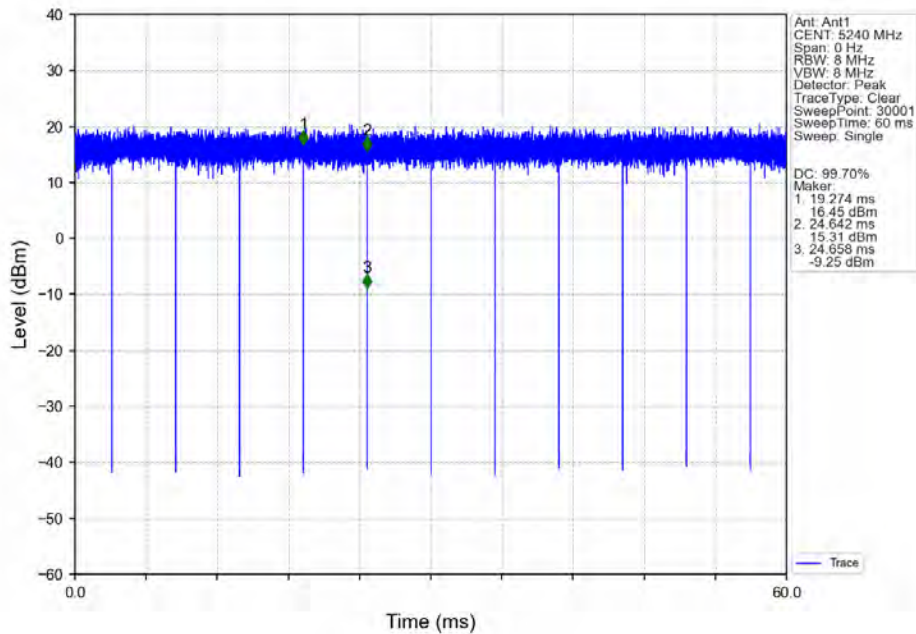
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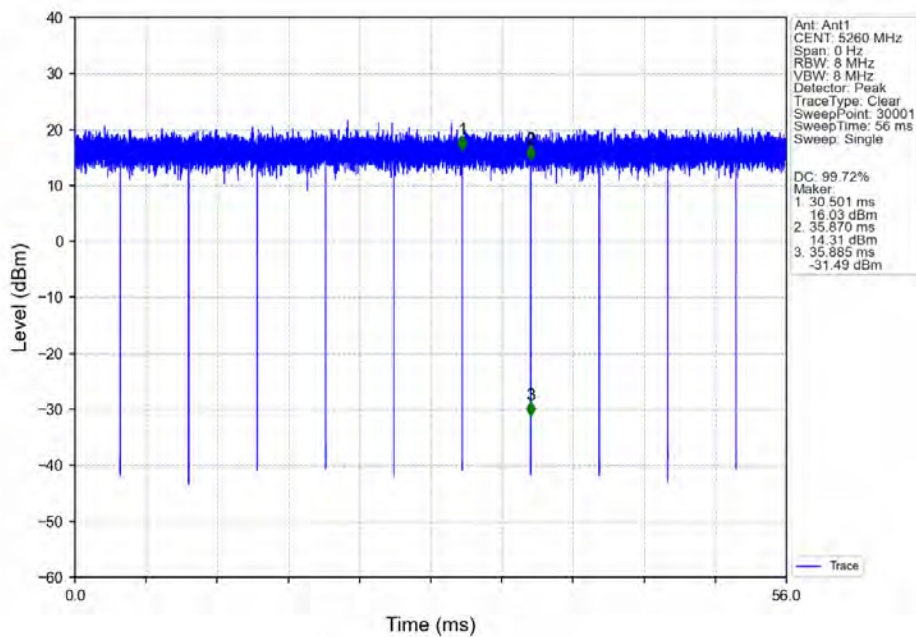
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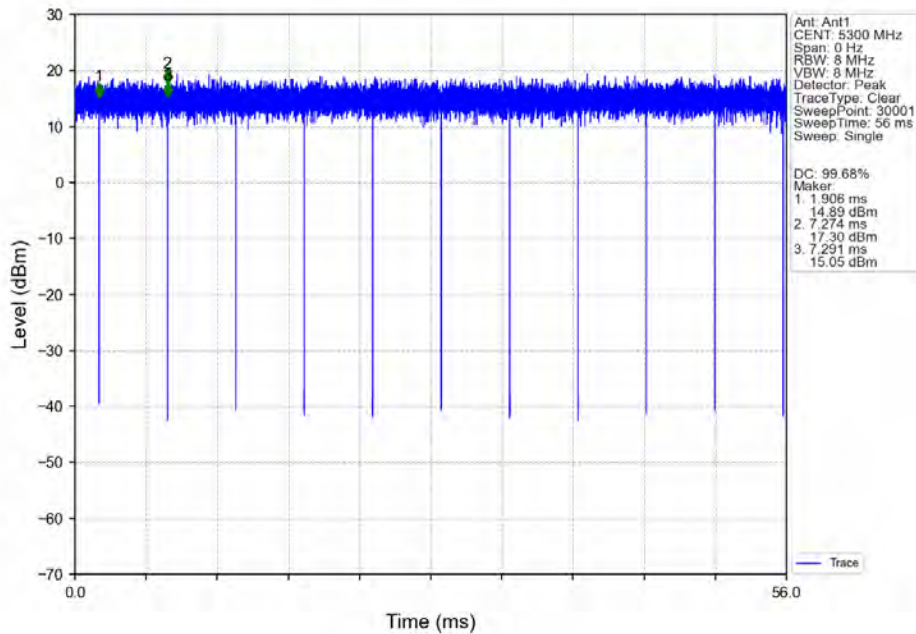
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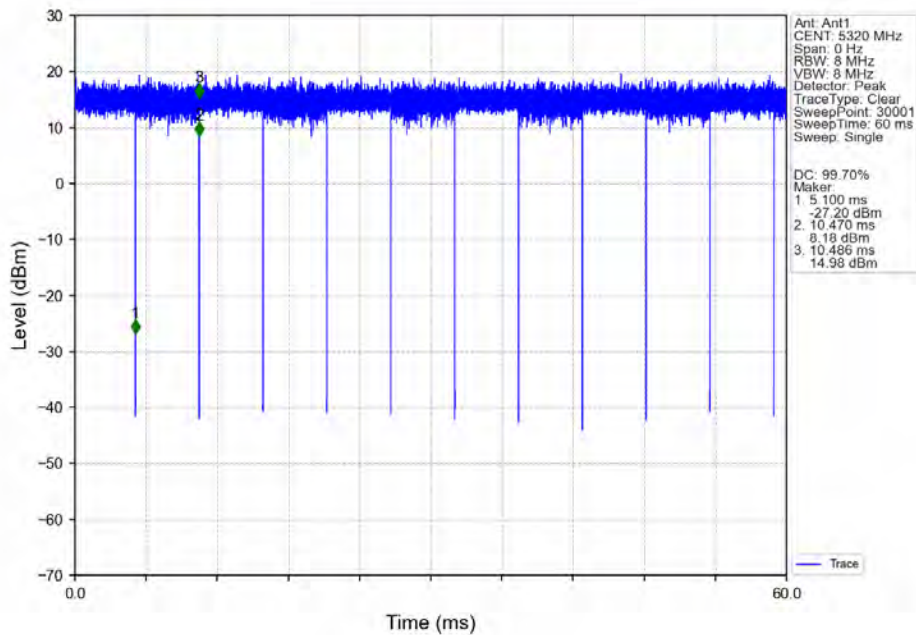
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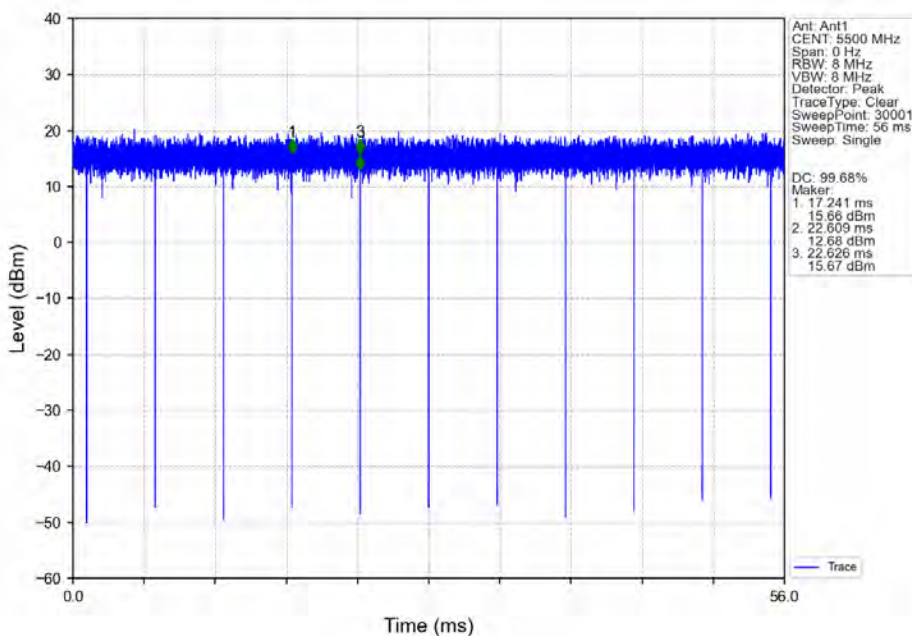
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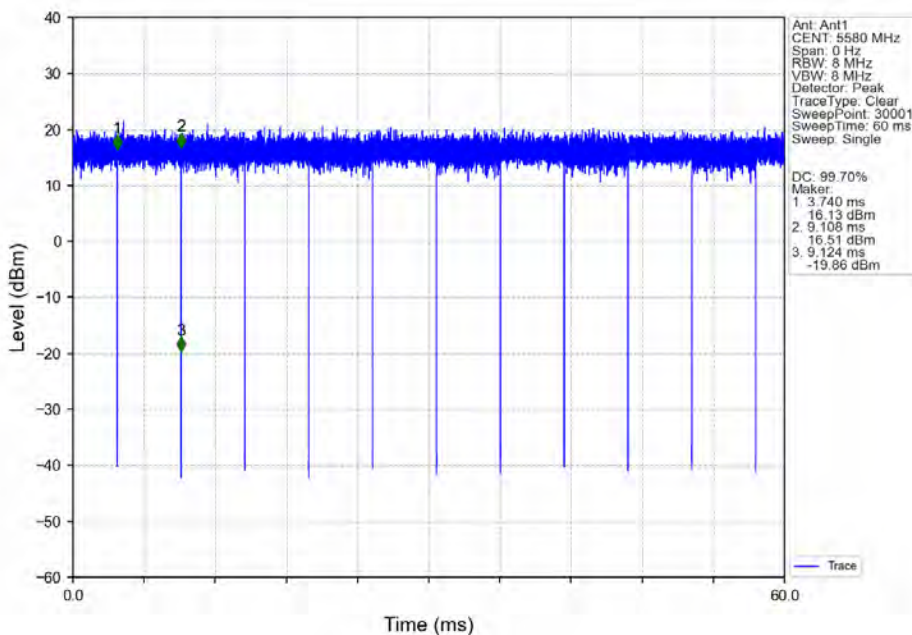
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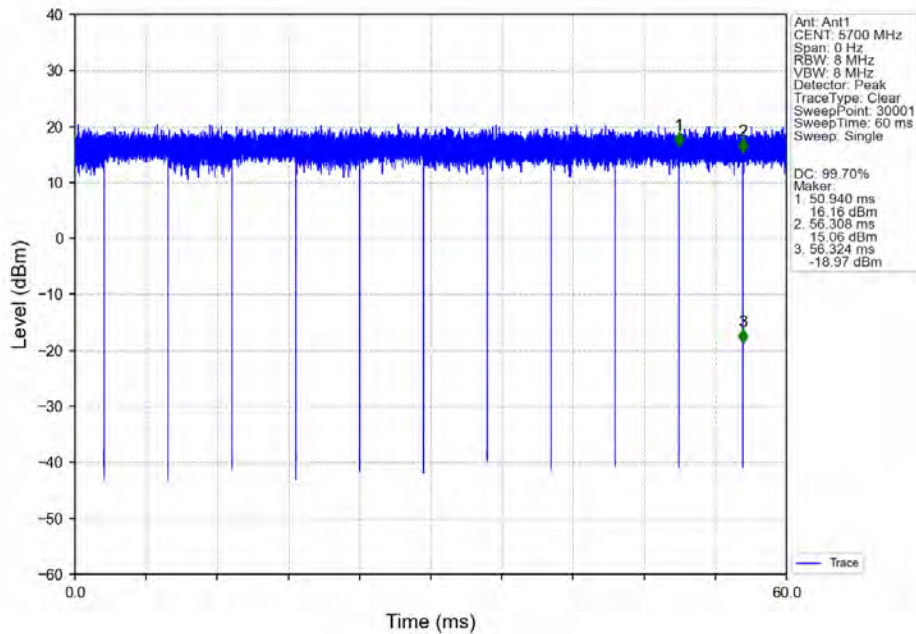
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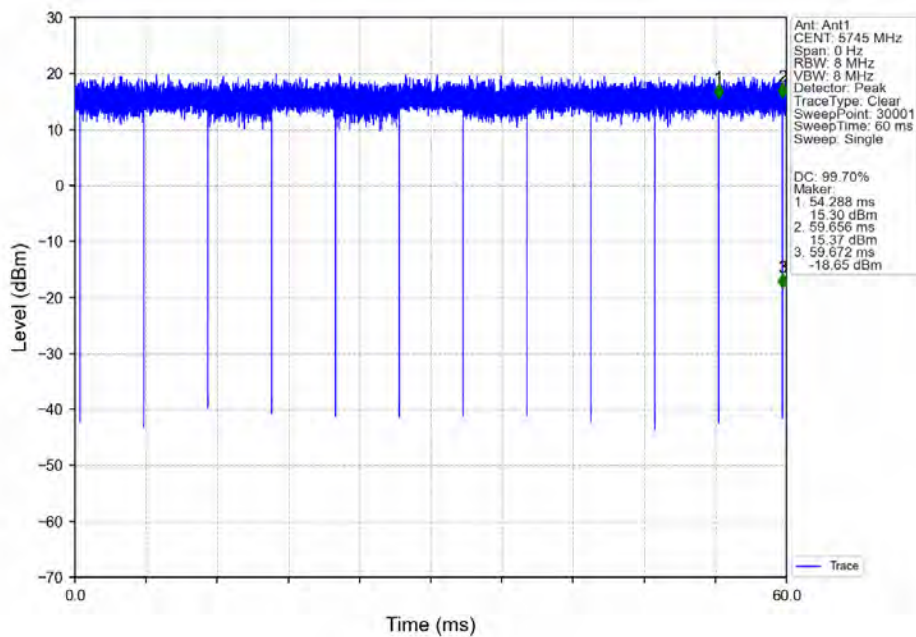
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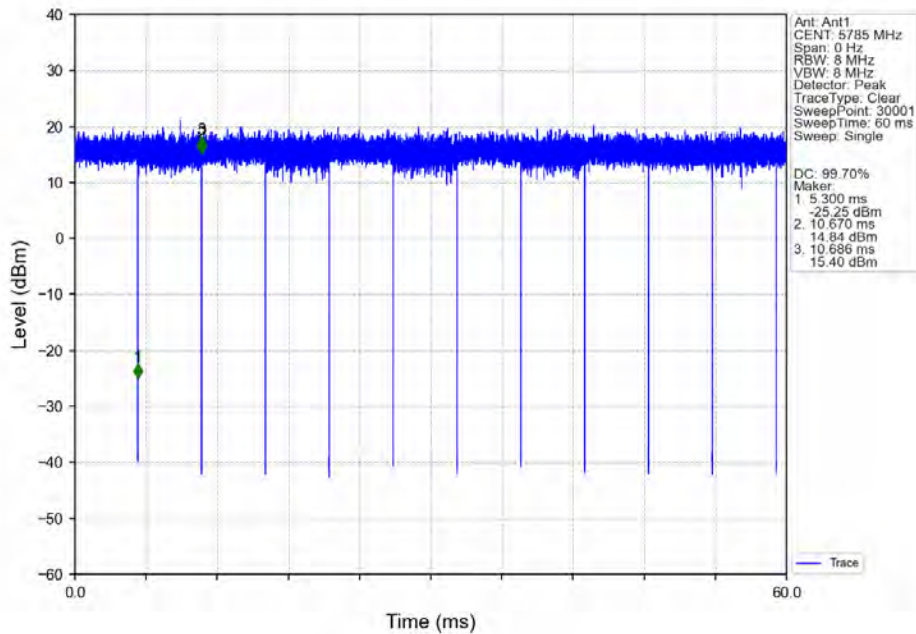
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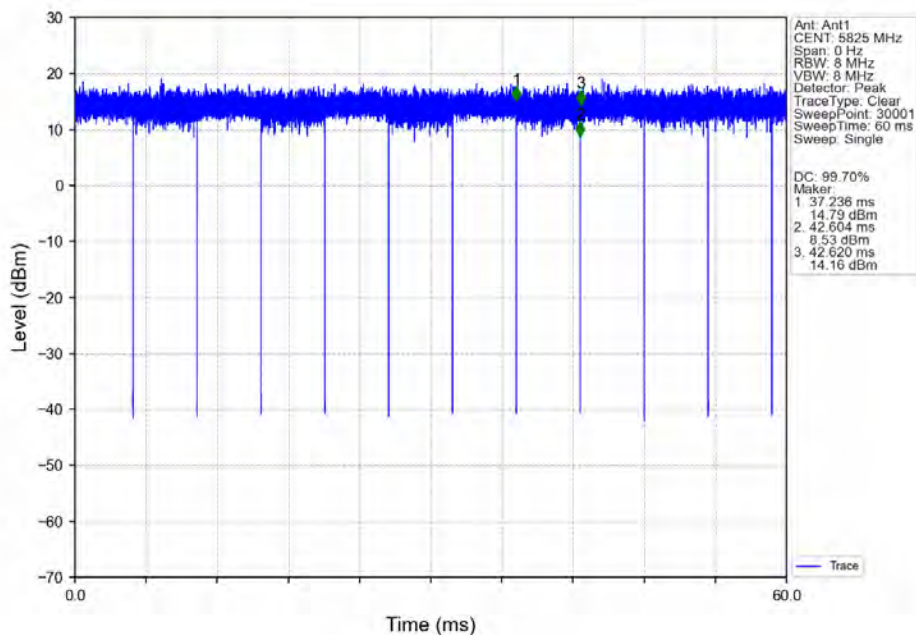
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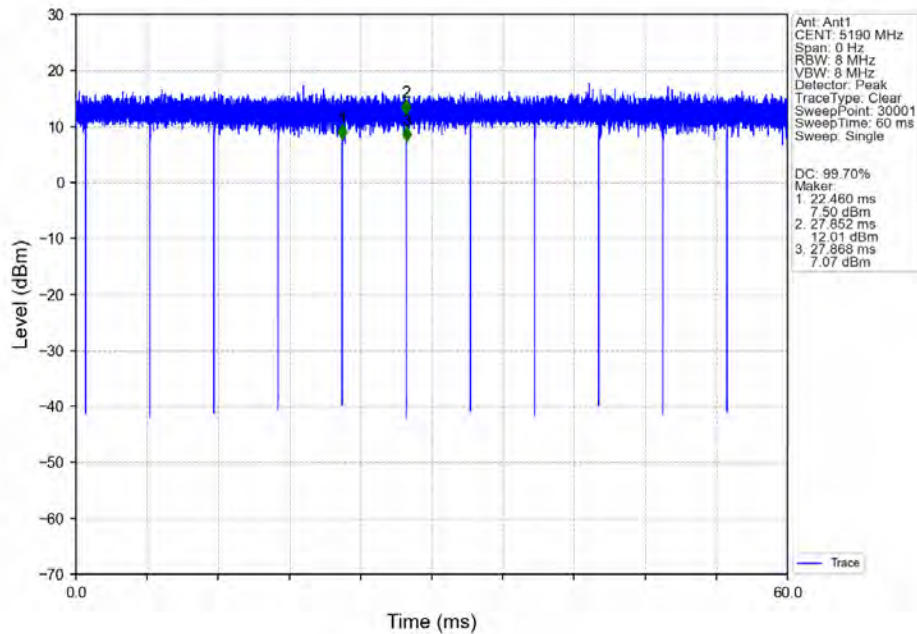
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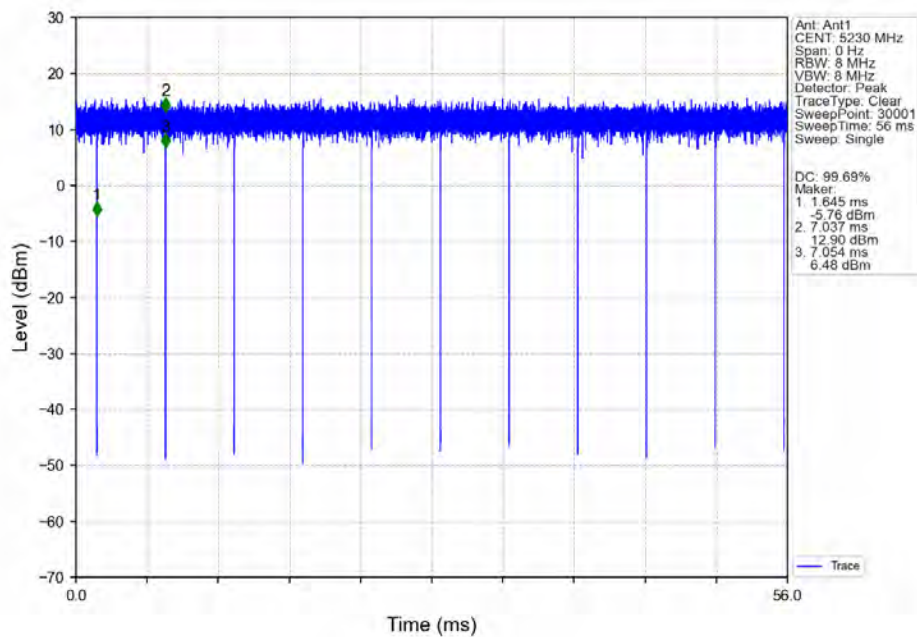
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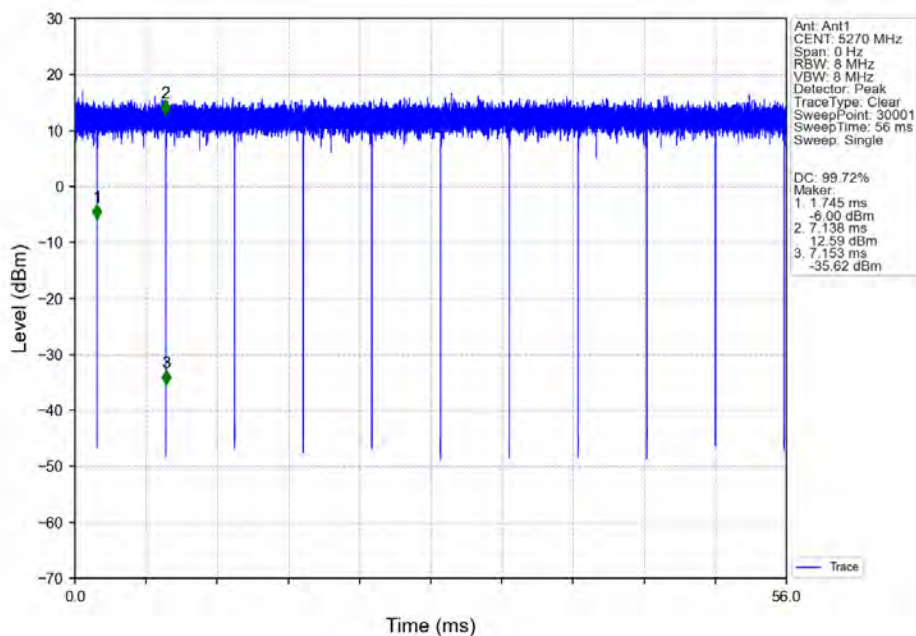
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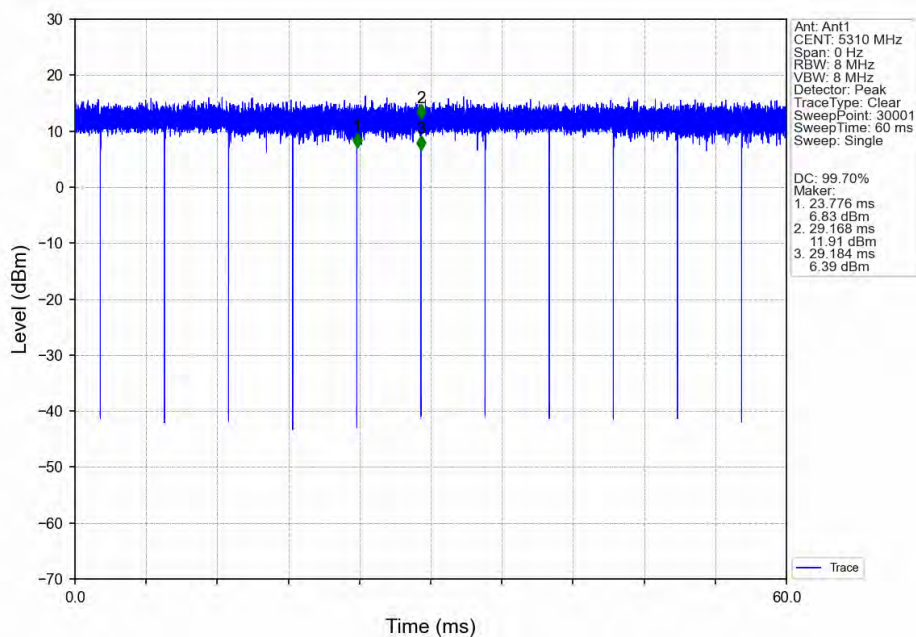
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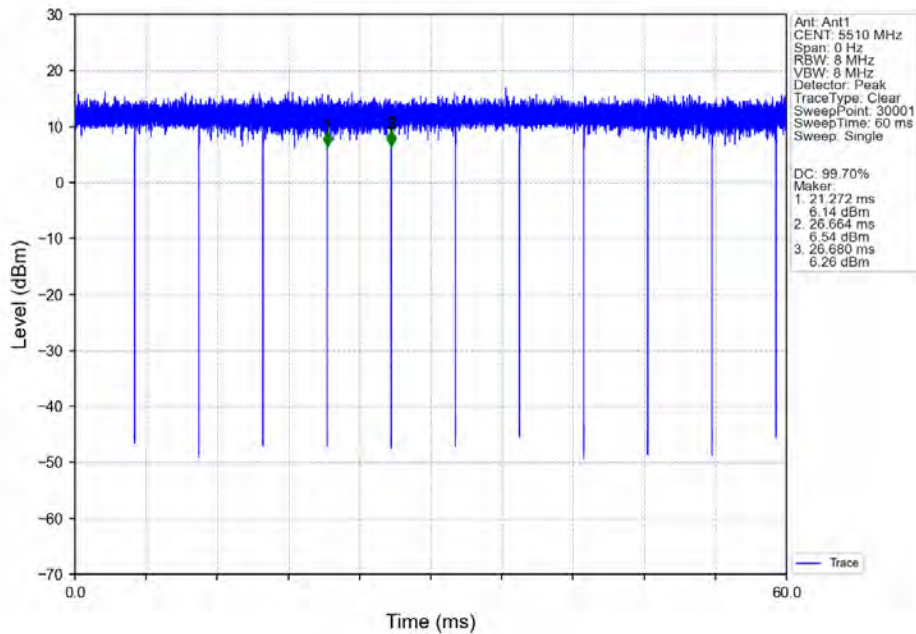
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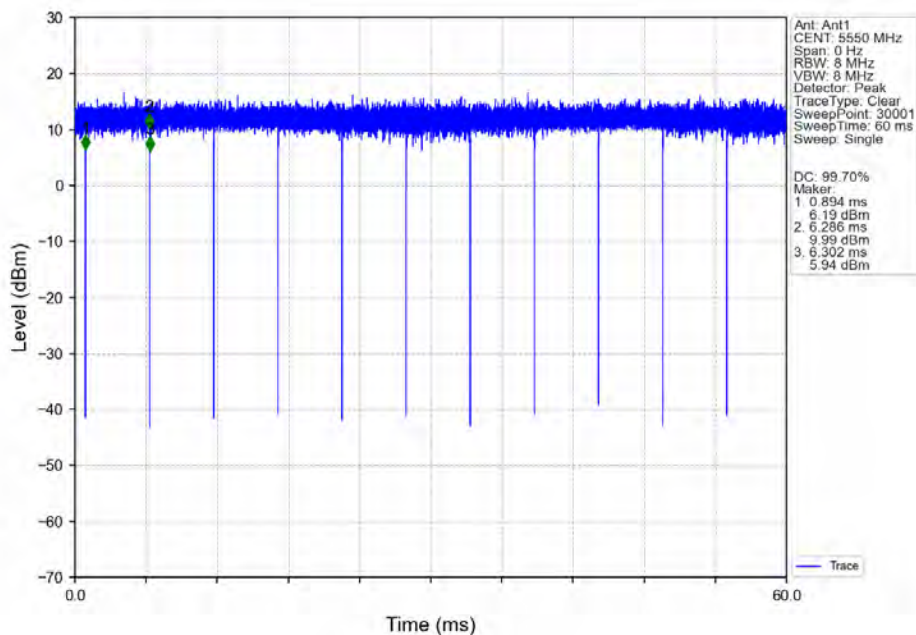
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802.11n(HT40)_LCH_5510MHz_Ant1_NTNV



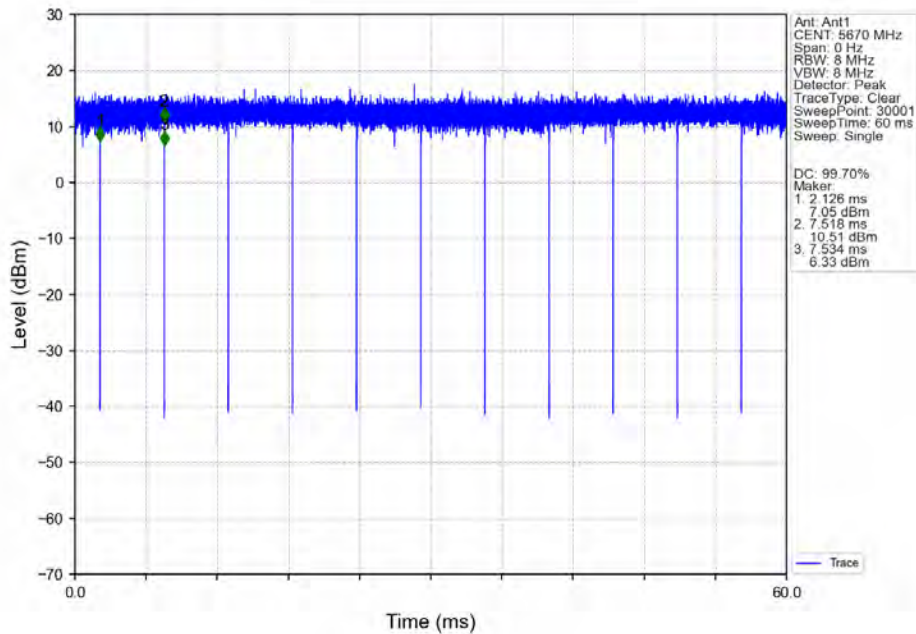
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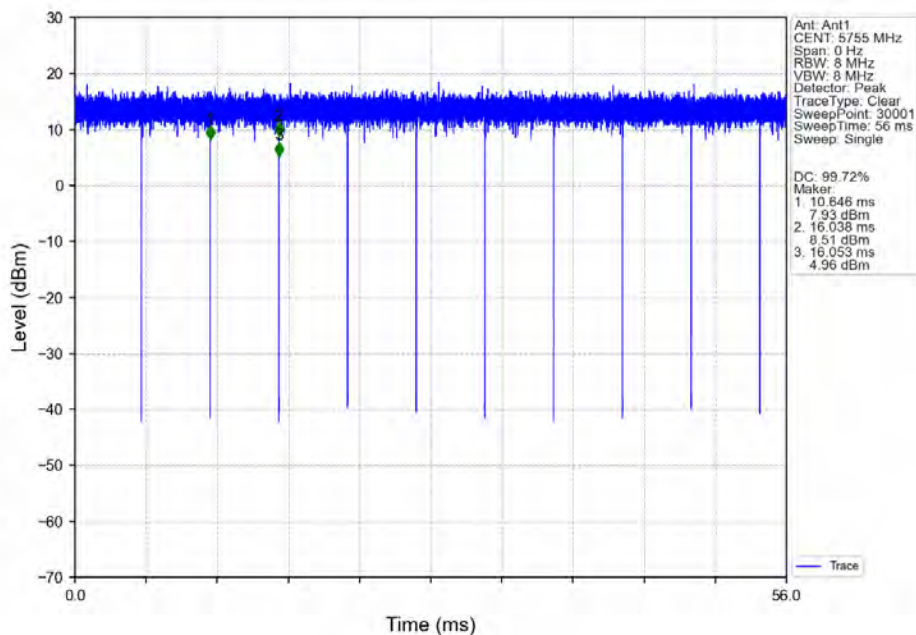
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802.11n(HT40)_HCH_5670MHz_Ant1_NTNV



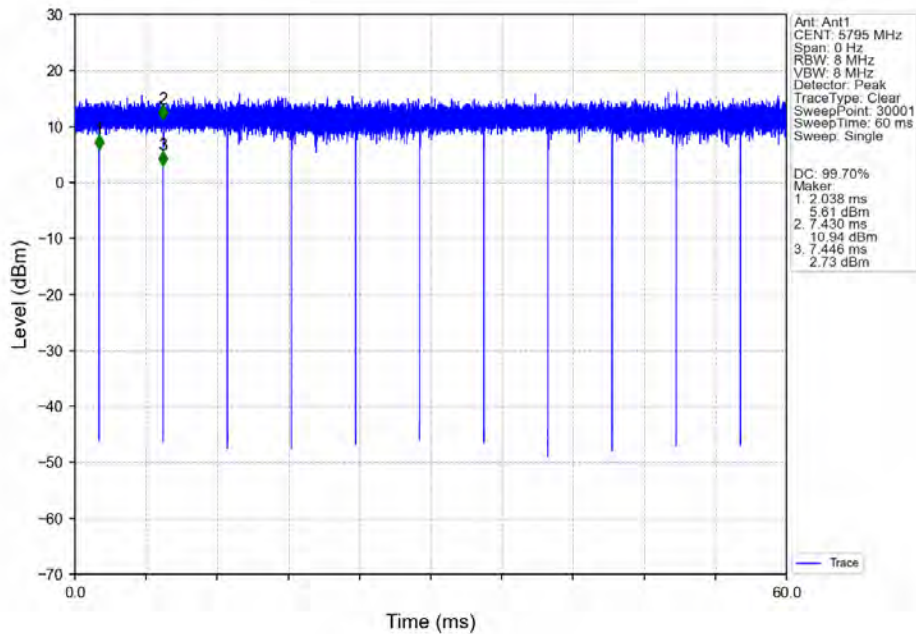
802.11n(HT40)_LCH_5755MHz_Ant1_NTNV



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802.11n(HT40)_HCH_5795MHz_Ant1_NTNV



802.11ac(VHT20)_LCH_5180MHz_Ant1_NTNV

