

TEST REPORT

Application No.: SZCR2509003833WM
Applicant: TCL Communication Ltd.
Address of Applicant: 5/F, Building 22E, 22 Science Park East Avenue, Hong Kong Science Park, Shatin, NT, Hong Kong
Manufacturer: TCL Communication Ltd.
Address of Manufacturer: 5/F, Building 22E, 22 Science Park East Avenue, Hong Kong Science Park, Shatin, NT, Hong Kong
Equipment Under Test (EUT):
EUT Description: GSM/UMTS/LTE/NR Mobile phone
Model No.: T807E
Trade Mark: TCL
FCC ID: 2ACCJH196
Standard(s) : 47 CFR Part 15, Subpart E 15.407
Date of Receipt: 2025-09-01
Date of Test: 2025-09-15 to 2025-10-29
Date of Issue: 2025-10-29

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

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

Kenx. Xu

Kenx Xu
EMC Laboratory Manager



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Shenzhen Branch (EMC Laboratory)

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SZEMC-TRF-01 Rev. A/1

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Revision Record				
Version	Chapter	Date	Modifier	Remark
01		2025-10-29		Original

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



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2 Test Summary

Radio Spectrum Technical Requirement				
Item	Standard	Method	Requirement	Result
Antenna Requirement	47 CFR Part 15, Subpart E 15.407	N/A	47 CFR Part 15, Subpart C 15.203	Pass

Radio Spectrum Matter Part				
Item	Standard	Method	Requirement	Result
Conducted Emissions at AC Power Line (150kHz-30MHz)	47 CFR Part 15, Subpart E 15.407	ANSI C63.10 (2020) Section 6.2	47 CFR Part 15, Subpart C 15.207 & Subpart E 15.407 b(9)	Pass
Radiated Emissions (Below 1GHz)		ANSI C63.10 (2020) Section 6.4,6.5	47 CFR Part 15, Subpart C 15.209 & Subpart E 15.407(b)	Pass
Radiated Emissions (Above 1GHz)		ANSI C63.10 (2020) Section 6.6	47 CFR Part 15, Subpart C 15.209 & Subpart E 15.407(b)	Pass
Radiated Emissions which fall in the restricted bands		ANSI C63.10 (2020) Section 6.10.5	47 CFR Part 15, Subpart C 15.209 & Subpart E 15.407(b)	Pass
In-Band Emissions		ANSI C63.10 (2020) Section 12.6	47 CFR Part 15, Subpart E 15.407 (b)	Pass
Contention-based Protocol		KDB 987594 D02	47 CFR Part 15, Subpart E 15.407 (d)(6)	Pass
Duty Cycle		ANSI C63.10 (2020) Section 12.2	ANSI C63.10 (2013) Section 12.2	Pass
99% Bandwidth		ANSI C63.10 (2020) Section 12.5.3	ANSI C63.10 (2013) Section 12.4.2	Pass
26dB Emission bandwidth		ANSI C63.10 (2020) Section 12.5.2	47 CFR Part 15, Subpart E 15.407 (a)	Pass
Maximum Conducted output power		ANSI C63.10 (2020) Section 12.4	47 CFR Part 15, Subpart E 15.407 (a)	Pass
Peak Power spectrum density		ANSI C63.10 (2020) Section 12.6	47 CFR Part 15, Subpart E 15.407 (a)	Pass
Frequency Stability		ANSI C63.10 (2020) Section 6.8	47 CFR Part 15, Subpart E 15.407 (g)	Pass



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4 General Information

4.1 Details of E.U.T.

EUT Description:	GSM/UMTS/LTE/NR Mobile phone	
Model No.:	T807E	
Trade Mark:	TCL	
Hardware Version:	03	
Software Version:	AMS4	
Power Supply:	DC3.91V by Li-ion battery(5000mAh) Battery M/N:TLp050B7 Battery Manufacturer:Dongguan Veken Battery Co.,Ltd. Adapter 1 M/N:QC16US-N Adapter Input:AC100-240V, 50/60Hz, 1.0A Adapter Output:DC5V/3A, 9V/3A, 12V/2.5A, 15V/2A, 20V/1.5A, DC5-11V/3A, DC5-16V/2A Manufacturer: Shenzhen BaiJunDa Electronics Co.,Ltd. Adapter 2 M/N:QC16US Adapter Input:AC100-240V, 50/60Hz, 1.0A Adapter Output:DC5V/3A, 9V/3A, 12V/2.5A, 15V/2A, 20V/1.5A, DC3.3-11V/3A Manufacturer: Huizhou Puan Electronics Co.,Ltd.	
IEEE 802.11 WLAN Mode Supported:	☒ 802.11a (20 MHz channel bandwidth) ☒ 802.11ax (20 MHz channel bandwidth) ☒ 802.11ax (40 MHz channel bandwidth) ☒ 802.11ax (80 MHz channel bandwidth)	
Operation Frequency:	IEEE 802.11 a/ax (HE20/40/80): 5925 MHz ~ 6425 MHz IEEE 802.11 a/ax (HE20/40/80): 6425 MHz ~ 6525 MHz IEEE 802.11 a/ax (HE20/40/80): 6525 MHz ~ 6875 MHz IEEE 802.11 a/ax (HE20/40/80): 6875 MHz ~ 7095MHz	
Type of Modulation:	OFDM/OFDMA	
FCC Classification:	6XD, (Indoor client)	
Antenna Type:	Ant10: MDA Antenna Ant12: LDS Antenna	
Smart System:	☒ SISO	802.11a
	☒ MIMO	802.11ax: 2Tx & 2Rx
	☐ Diversity	802.11a: 2Tx & 2Rx
Antenna Gain:	Ant10:UNII-5: -8.26dBi; UNII-6: -8.26dBi; UNII-7: -8.26dBi; UNII-8: -8.26dBi; Ant12:UNII-5: -7.75dBi; UNII-6: -7.75dBi; UNII-7: -7.75dBi; UNII-8: -7.75dBi;	



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	Note: The antenna gain are derived from the gain information report provided by the manufacturer.
RF Cable:	2.2dB
Remark: As above information is provided and confirmed by the applicant. SGS is not liable to the accuracy, suitability, reliability or/and integrity of the information.	

4.2 Environment Parameter

Environment Parameter	1020 mbar Selected Values During Tests	
Relative Humidity	40.5-66.1 % RH Ambient	
Value	Temperature(°C)	Voltage(V)
NTNV	22.4~27.1	3.91
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.	Serial No.
--	--	--	--
The EUT has been tested as an independent unit.			



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4.4 Measurement Uncertainty

Test Item	Measurement Uncertainty
Conducted Emissions at AC Power Line (150kHz-30MHz)	$\pm 3.1\text{dB}$
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);
In-Band Emissions	$\pm 2.84\text{dB}$
Duty Cycle	$\pm 0.37\%$
99% Bandwidth	$\pm 3\%$
26dB Emission bandwidth	$\pm 3\%$
Maximum Conducted output power	$\pm 0.75\text{dB}$
Peak Power spectrum density	$\pm 2.84\text{dB}$
Frequency Stability	$\pm 7.25 \times 10^{-8}$

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	2025-05-07	2028-05-06
EMI Test Receiver	Rohde&Schwarz	ESR	SZ-WRG-M-047	2025-01-08	2026-01-07
Matching Pad	N/A	N/A	SEM021-23	2025-03-19	2026-03-18
Matching Pad	N/A	N/A	SEM021-24	2025-03-19	2026-03-18
Measurement Software	AUDIX	e3 V8.2014-6-27a	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM024-01	2025-07-05	2026-07-04
LISN	Rohde&Schwarz	ENV216	SEM007-01	2025-07-25	2026-07-24
LISN	ETS-LINDGREN	3816/2	SEM007-02	2025-03-03	2026-03-02

Radiated Emissions (Below 1GHz)					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
Loop Antenna	ETS-Lindgren	6502	SEM003-08	2023-11-20	2025-11-19
3m Semi-Anechoic Chamber	ETS-LINDGREN	N/A	SEM001-01	2023-06-19	2026-06-18
MXE EMI Receiver	Agilent Technologies	N9038A	SEM004-15	2025-07-25	2026-07-24
BiConiLog Antenna	ETS-LINDGREN	3142C	SEM003-01	2025-08-29	2027-08-28
Pre-Amplifier	Agilent Technologies	8447D	SEM005-01	2025-03-04	2026-03-03
Measurement Software	AUDIX	e3 V8.2014-6-27	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM025-01	2025-07-05	2026-07-04

Radiated Emissions (Above 1GHz)					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
Signal & Spectrum Analyzer	Rohde & Schwarz	FSV	SZ-WRG-M-048	2025-01-07	2026-01-06
Low Noise Amplifier 1G-18GHz	Tonscend	TAP01018050	SZ-WRG-M-051	2025-01-07	2026-01-06
Low Noise Amplifier 18G-40GHz	Tonscend	TAP18040048	SZ-WRG-M-052	2025-01-08	2026-01-07
Double Ridge Horn Antenna 1GHz-18GHz	SCHWARZBECK	BBHA 9120 D	SZ-WRG-M-055	2023-12-21	2025-12-20
SHF-EHF Horn 15GHz-40GHz	SCHWARZBECK	BBHA 9170	SZ-WRG-M-056	2023-12-25	2025-12-24
RSE Test Software	AUDIX	e3 V8.2014-6-27	N/A	N/A	N/A
Chamber	CRTSGSSAC966	N/A	SZ-WRG-C-	2025-01-06	2028-01-05



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			063		
Humidity and Temperature Indicator	deli	8838	SEM002-46	2025-07-23	2026-07-22

Radiated Emissions which fall in the restricted bands

Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
Signal & Spectrum Analyzer	Rohde & Schwarz	FSV	SZ-WRG-M-048	2025-01-07	2026-01-06
Low Noise Amplifier 30M-8GHz	Tonscend	TAP30M8G30	SZ-WRG-M-050	2025-01-07	2026-01-06
Double Ridge Horn Antenna 1GHz-18GHz	SCHWARZBECK	BBHA 9120 D	SZ-WRG-M-055	2023-12-21	2025-12-20
SHF-EHF Horn 15GHz-40GHz	SCHWARZBECK	BBHA 9170	SZ-WRG-M-056	2023-12-25	2025-12-24
RSE Test Software	AUDIX	e3 V8.2014-6-27	N/A	N/A	N/A
Chamber	CRTSGSSAC966	N/A	SZ-WRG-C-063	2025-01-06	2028-01-05
Humidity and Temperature Indicator	deli	8838	SEM002-46	2025-07-23	2026-07-22

In-Band Emissions

Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
DC Power Supply	Chroma	62012P-80-60	SEM011-11	2025-07-24	2026-07-23
MXA Signal Analyzer	KEYSIGHT	N9020A	SEM004-19	2025-03-04	2026-03-03
Signal Generator	KEYSIGHT	N5173B	SEM006-05	2025-09-10	2026-09-09
Measurement Software	TST PASS	TST PASS V2.0	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM031-01	2025-07-05	2026-07-04
Attenuator	Huber+Suhner	6620_SMA-50-1	SEM021-09	2025-03-03	2026-03-02
Programmable Temperature & Humidity Chamber	Votsch Industrietechnik GmbH	VT 4002	SEM002-15	2025-02-26	2026-02-25

Contention-based Protocol

Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
Shielding Room	AUDIX	N/A	SEM001-08	2025-05-16	2028-05-15
EXA Signal Analyzer	KEYSIGHT	N9010A	SEM004-09	2025-03-03	2026-03-02
ESG Vector Signal Generator	KEYSIGHT	E4438C	SEM006-15	2025-07-24	2026-07-23
DC Power Supply	KEYSIGHT	E3642A	SEM011-07	2025-02-26	2026-02-25
Manual Step Attenuator	KEYSIGHT	8494B	SEM021-05	2025-03-03	2026-03-02



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Manual Step Attenuator	KEYSIGHT	8496B	SEM021-06	2025-03-03	2026-03-02
Power Sensor	TST PASS	TSPS2023R	SEM009-26	2025-03-04	2026-03-03
Power Sensor	TST PASS	TSPS2023R	SEM009-27	2025-03-04	2026-03-03
Power Sensor	TST PASS	TSPS2023R	SEM009-28	2025-03-04	2026-03-03
Power Sensor	TST PASS	TSPS2023R	SEM009-29	2025-03-04	2026-03-03
Programmable Temperature&Humidity Chamber	Votsch Industrietechnik GmbH	VT 4002	SEM002-15	2025-02-26	2026-02-25
Universal Radio Communication Tester	Rohde&Schwarz	CMW500	SEM010-08	2025-03-04	2026-03-03
Measurement Software	TST PASS	TST PASS V2.0	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM028-01	2025-07-05	2026-07-04

RF Conducted Test

Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
DC Power Supply	Chroma	62012P-80-60	SEM011-11	2025-07-24	2026-07-23
MXA Signal Analyzer	KEYSIGHT	N9020A	SEM004-19	2025-03-04	2026-03-03
Signal Generator	KEYSIGHT	N5173B	SEM006-05	2025-09-10	2026-09-09
Measurement Software	TST PASS	TST PASS V2.0	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM031-01	2025-07-05	2026-07-04
Attenuator	Huber+Suhner	6620_SMA-50-1	SEM021-09	2025-03-03	2026-03-02
Programmable Temperature & Humidity Chamber	Votsch Industrietechnik GmbH	VT 4002	SEM002-15	2025-02-26	2026-02-25
Power Sensor	TST PASS	TSPS2023R	SEM009-26	2025-03-04	2026-03-03
Power Sensor	KEYSIGHT	U2021XA	SEM009-16	2025-03-04	2026-03-03

General used equipment

Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
Humidity/ Temperature Indicator	deli	8838	SEM002-32	2025-07-23	2026-07-22
Humidity/ Temperature Indicator	deli	8838	SEM002-33	2025-07-23	2026-07-22
Barometer	Changchun Meteorological Industry Factory	DYM3	SEM002-01	2025-03-03	2026-03-02



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6 Radio Spectrum Technical Requirement

6.1 Antenna Requirement

6.1.1 Test Requirement:

47 CFR Part 15, Subpart C 15.203

6.1.2 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 Ant10: MDA Antenna, Ant12: LDS Antenna, and no consideration of replacement.

The best case gain of the antenna is

Ant10: UNII-5: -8.26dBi; UNII-6: -8.26dBi; UNII-7: -8.26dBi; UNII-8: -8.26dBi;*

Ant12: UNII-5: -7.75dBi; UNII-6: -7.75dBi; UNII-7: -7.75dBi; UNII-8: -7.75dBi;*

**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.

7 Radio Spectrum Matter Test Results

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

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

Test Method: ANSI C63.10 (2020) Section 6.2

Limit:

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

*Decreases with the logarithm of the frequency.

7.1.1 E.U.T. Operation

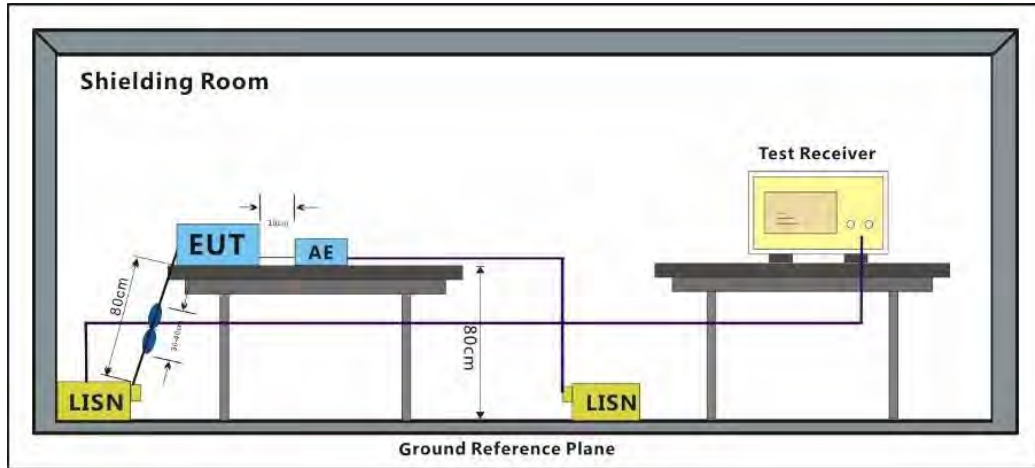
Operating Environment:

Temperature: 25.3 °C Humidity: 40.5 % RH Atmospheric Pressure: 1020 mbar

7.1.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	10	TX mode (U-NII-5) _Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.
Pre-scan	11	TX mode (U-NII-6) _Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.
Pre-scan	12	TX mode (U-NII-7) _Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.
Pre-scan	13	TX mode (U-NII-8) _Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.

7.1.3 Test Setup Diagram



7.1.4 Measurement Procedure and Data

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

Remark 1: Level=Read Level+ Cable Loss+ LISN Factor

Remark 2: Pre-test AC 120V/50-60Hz&AC 240V/50-60Hz then choose the AC 120/60Hz as worst case.

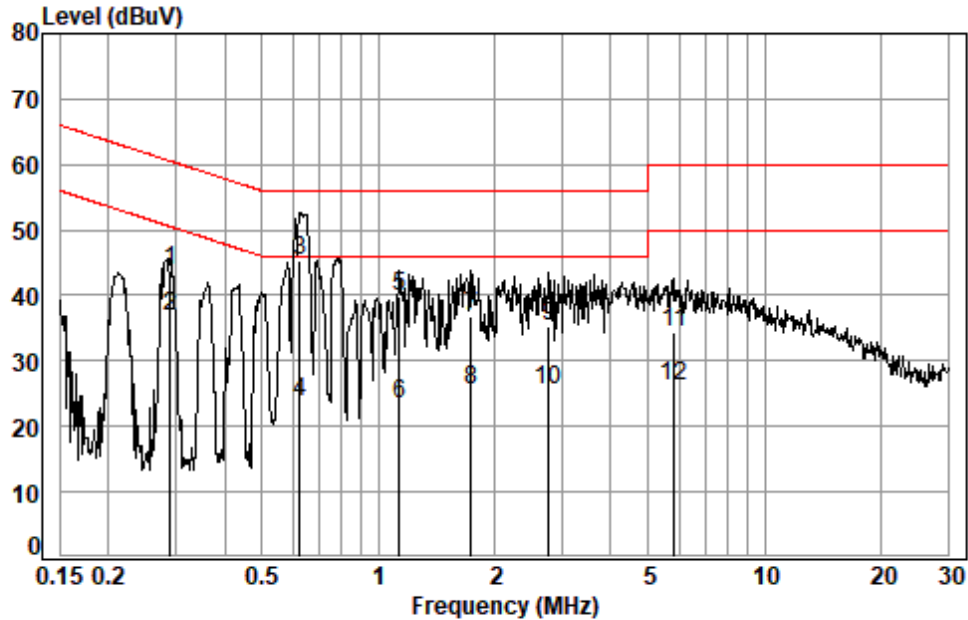
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Test Mode: 10; Line: Live line



Site : Shielding Room

Condition: Line

Job No. : 03833WM

Test mode: 10

	Freq	Cable Loss	LISN Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB	dBuV	dBuV	dBuV	dB	
1	0.2893	0.08	9.87	33.83	43.78	60.54	-16.76	QP
2 *	0.2893	0.08	9.87	26.75	36.70	50.54	-13.84	Average
3 *	0.6271	0.10	9.61	35.67	45.38	56.00	-10.62	QP
4	0.6271	0.10	9.61	13.87	23.58	46.00	-22.42	Average
5	1.1352	0.11	9.58	30.05	39.74	56.00	-16.26	QP
6	1.1352	0.11	9.58	13.77	23.46	46.00	-22.54	Average
7	1.7437	0.12	9.58	27.18	36.88	56.00	-19.12	QP
8	1.7437	0.12	9.58	15.99	25.69	46.00	-20.31	Average
9	2.7648	0.13	9.64	25.59	35.36	56.00	-20.64	QP
10	2.7648	0.13	9.64	15.73	25.50	46.00	-20.50	Average
11	5.8358	0.14	9.67	24.55	34.36	60.00	-25.64	QP
12	5.8358	0.14	9.67	16.40	26.21	50.00	-23.79	Average



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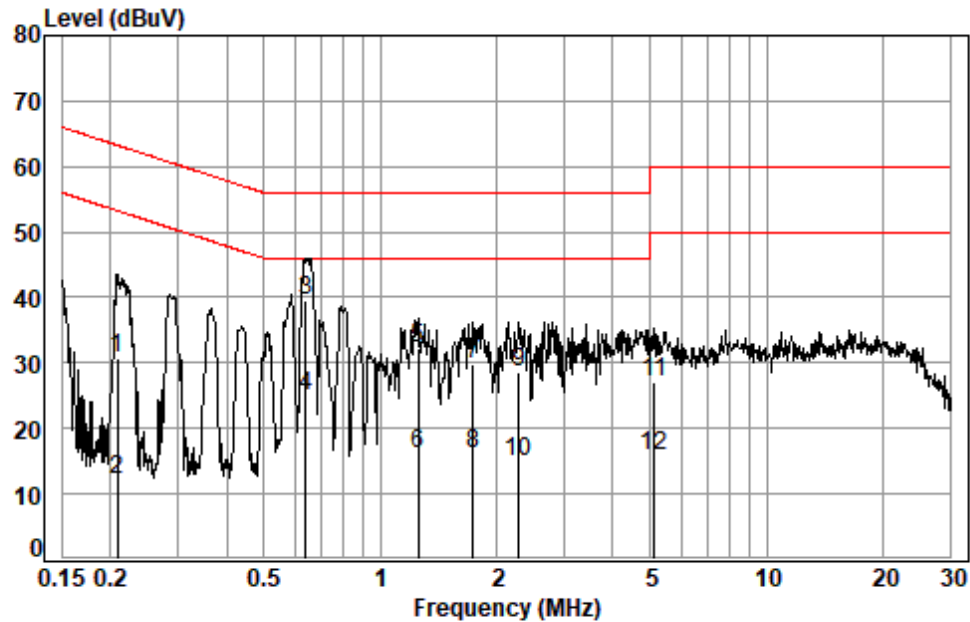
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Test Mode: 10; Line: Neutral Line



Site : Shielding Room
Condition: Neutral
Job No. : 03833WM
Test mode: 10

	Freq	Cable Loss	LISN Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB	dBuV	dBuV	dBuV	dB	
1	0.2083	0.07	10.05	20.65	30.77	63.27	-32.50	QP
2	0.2083	0.07	10.05	2.05	12.17	53.27	-41.10	Average
3 *	0.6406	0.10	9.67	29.89	39.66	56.00	-16.34	QP
4 *	0.6406	0.10	9.67	15.17	24.94	46.00	-21.06	Average
5	1.2555	0.11	9.54	22.72	32.37	56.00	-23.63	QP
6	1.2555	0.11	9.54	6.58	16.23	46.00	-29.77	Average
7	1.7437	0.12	9.55	20.12	29.79	56.00	-26.21	QP
8	1.7437	0.12	9.55	6.42	16.09	46.00	-29.91	Average
9	2.2847	0.13	9.55	19.03	28.71	56.00	-27.29	QP
10	2.2847	0.13	9.55	5.15	14.83	46.00	-31.17	Average
11	5.1118	0.14	9.57	17.39	27.10	60.00	-32.90	QP
12	5.1118	0.14	9.57	6.13	15.84	50.00	-34.16	Average



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7.2 Radiated Emissions (Below 1GHz)

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

Test Method: ANSI C63.10 (2020) Section 6.4,6.5

Measurement Distance: 3m

7.2.1 E.U.T. Operation

Operating Environment:

Temperature: 23.3 °C

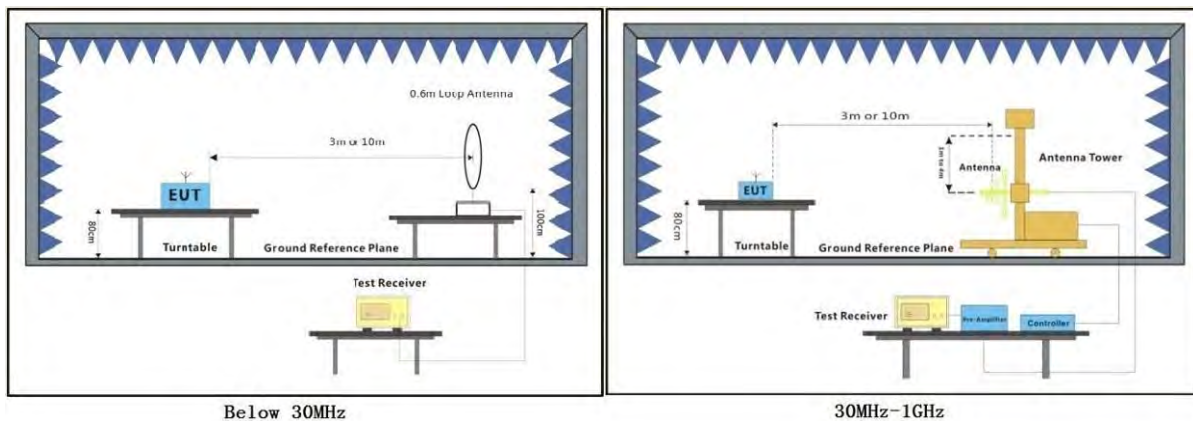
Humidity: 47.6 % RH

Atmospheric Pressure: 1020 mbar

7.2.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	10	TX mode (U-NII-5) _Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.
Pre-scan	11	TX mode (U-NII-6) _Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.
Pre-scan	12	TX mode (U-NII-7) _Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.
Pre-scan	13	TX mode (U-NII-8) _Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.

7.2.3 Test Setup Diagram



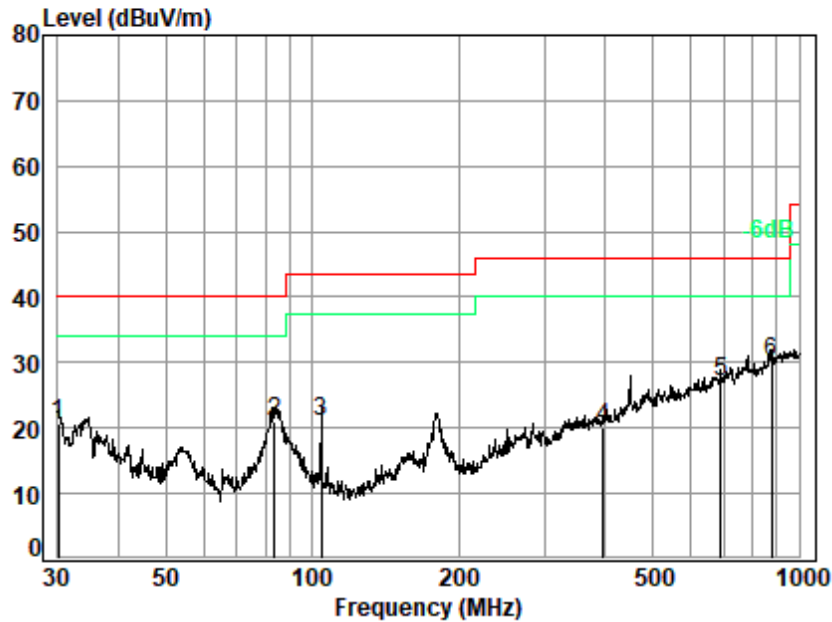
7.2.4 Measurement Procedure and Data

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

Remark:

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

Test Mode: 10; Polarity: Horizontal



Site : chamber

Condition: 3m HORIZONTAL

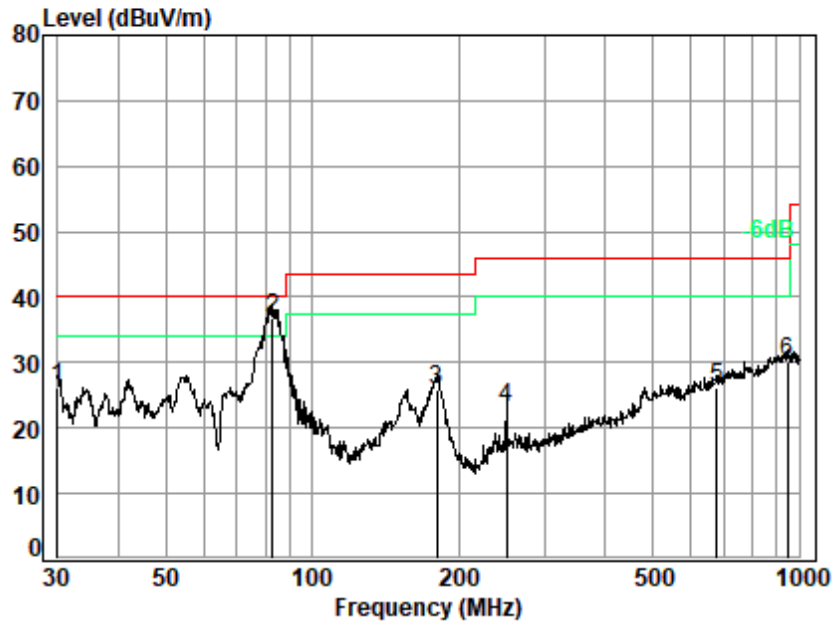
Job No. : 03833WM

Test Mode: 10

	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	30.105	21.15	0.74	27.65	26.54	20.78	40.00	-19.22 QP
2	83.816	10.84	1.13	27.61	36.67	21.03	40.00	-18.97 QP
3	104.170	12.22	1.25	27.61	35.12	20.98	43.50	-22.52 QP
4	396.242	20.68	2.48	27.74	24.62	20.04	46.00	-25.96 QP
5	689.565	25.69	3.38	27.86	25.81	27.02	46.00	-18.98 QP
6 q	878.322	27.70	3.92	27.10	25.56	30.08	46.00	-15.92 QP



Test Mode: 10; Polarity: Vertical



Site : chamber
Condition: 3m VERTICAL
Job No. : 03833WM
Test Mode: 10

	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	30.000	21.20	0.74	27.65	31.76	26.05	40.00	-13.95 QP
2 q	82.938	10.72	1.12	27.61	52.72	36.95	40.00	-3.05 QP
3	180.649	14.11	1.63	27.77	37.88	25.85	43.50	-17.65 QP
4	250.301	17.24	1.93	27.63	31.66	23.20	46.00	-22.80 QP
5	677.580	25.78	3.34	27.89	24.88	26.11	46.00	-19.89 QP
6	948.761	28.23	4.08	26.68	24.44	30.07	46.00	-15.93 QP



7.3 Radiated Emissions (Above 1GHz)

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

Test Method: ANSI C63.10 (2020) Section 6.6

Measurement Distance: 3m

7.3.1 E.U.T. Operation

Operating Environment:

Temperature: 23.2 °C

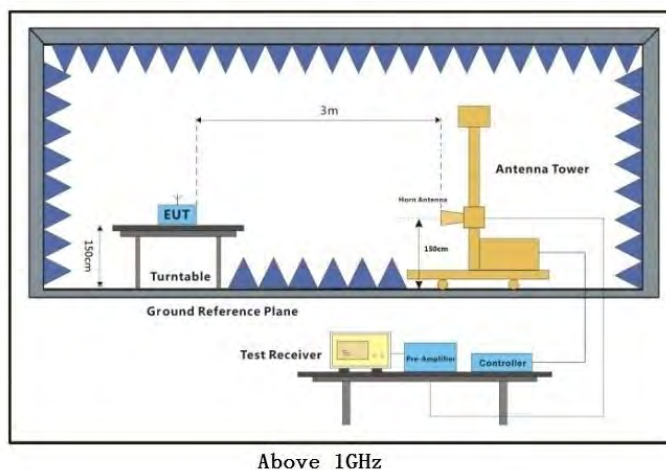
Humidity: 56.1 % RH

Atmospheric Pressure: 1020 mbar

7.3.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	10	TX mode (U-NII-5) _Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.
Final test	11	TX mode (U-NII-6) _Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.
Final test	12	TX mode (U-NII-7) _Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.
Final test	13	TX mode (U-NII-8) _Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.

7.3.3 Test Setup Diagram



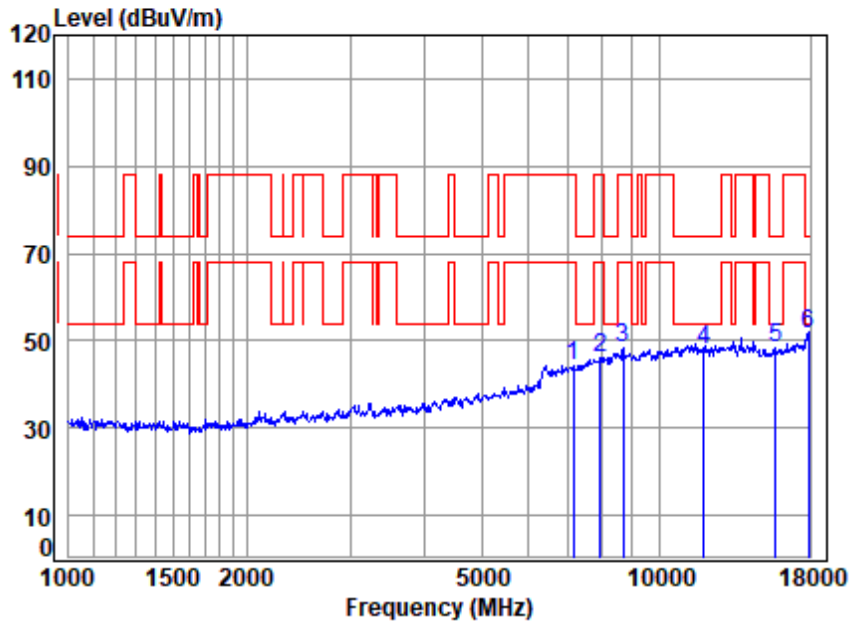
7.3.4 Measurement Procedure and Data

- 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.

11a_TX_CH_001_Horizontal



Condition: 3m HORIZONTAL

Job No : 03833WM

Mode : 5955 TX RSE

: Wi-Fi 6E 11A

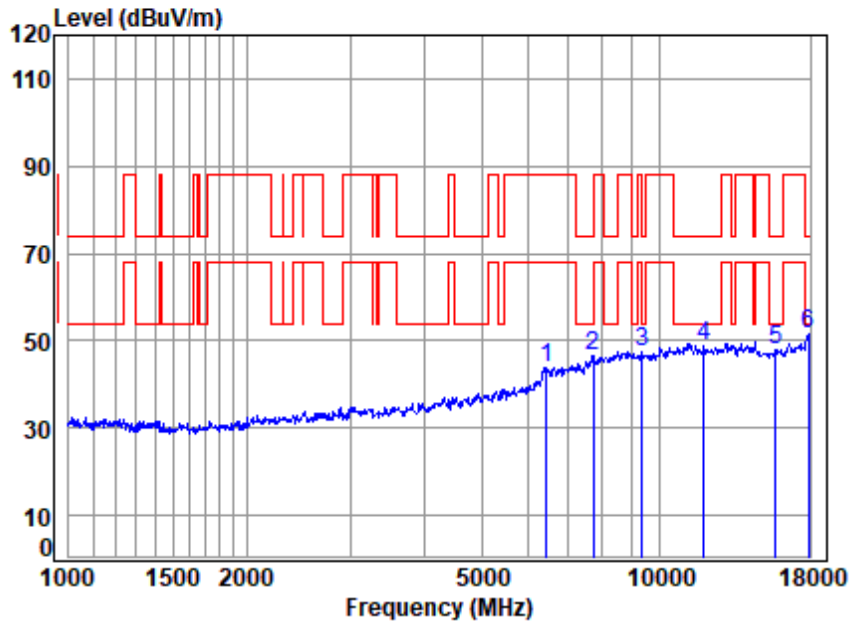
	Cable	Ant	Preamp	Read		Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	7158.806	11.71	36.52	56.57	52.68	44.34	88.20	-43.86 peak
2	7943.838	11.55	37.69	55.94	52.88	46.18	88.20	-42.02 peak
3	8688.480	12.08	38.55	55.28	52.85	48.20	88.20	-40.00 peak
4	11910.000	14.87	39.71	53.77	47.29	48.10	74.00	-25.90 peak
5	15759.050	17.13	38.54	54.07	46.94	48.54	74.00	-25.46 peak
6	pp17865.000	18.22	42.89	54.47	44.89	51.53	74.00	-22.47 peak



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11a_TX_CH_001_Vertical



Condition: 3m VERTICAL

Job No : 03833WM

Mode : 5955 TX RSE

: Wi-Fi 6E 11A

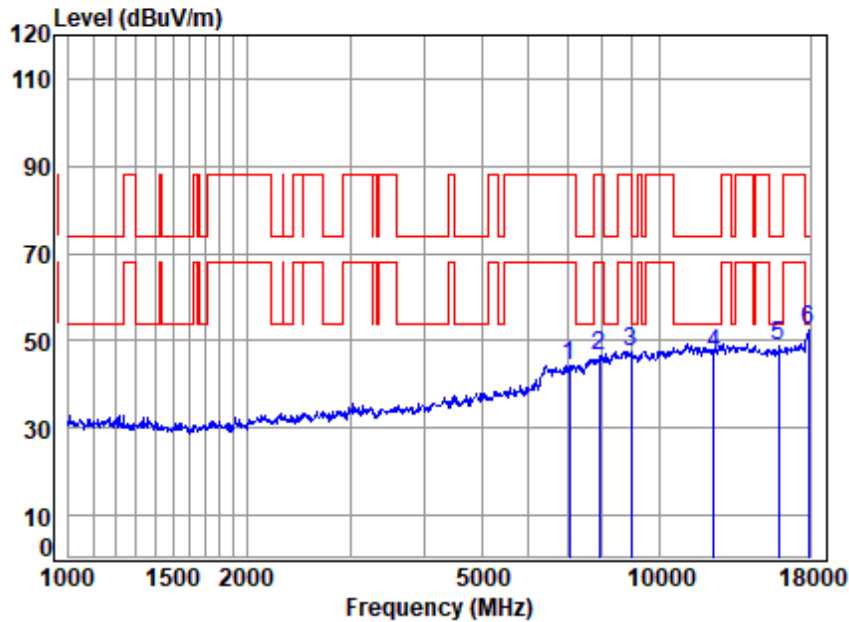
	Cable	Ant	Preamp	Read		Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	6451.353	12.48	34.80	56.81	53.55	44.02	88.20	-44.18 Peak
2	7717.518	11.43	36.94	56.13	54.44	46.68	74.00	-27.32 Peak
3	9366.577	12.26	38.80	54.67	50.99	47.38	74.00	-26.62 Peak
4	11910.000	14.87	39.71	53.77	48.00	48.81	74.00	-25.19 peak
5	15713.560	17.24	38.59	54.09	46.00	47.74	74.00	-26.26 peak
6	pp17865.000	18.22	42.89	54.47	45.10	51.74	74.00	-22.26 peak



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11a_TX_CH_045_Horizontal



Condition: 3m HORIZONTAL

Job No : 03833WM

Mode : 6175 TX RSE

: Wi-Fi 6E 11A

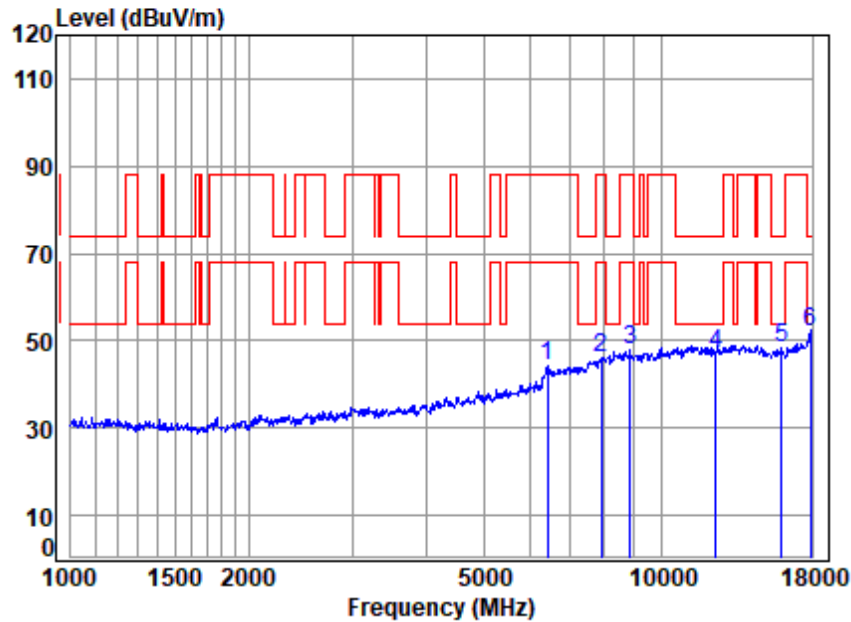
	Cable	Ant	Preamp	Read		Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	7056.092	11.72	36.31	56.66	53.05	44.42	88.20	-43.78 peak
2	7920.911	11.54	37.64	55.96	53.49	46.71	88.20	-41.49 peak
3	8969.161	12.17	38.54	55.03	51.92	47.60	88.20	-40.60 peak
4	12350.000	15.08	39.85	54.04	46.26	47.15	74.00	-26.85 peak
5	15942.300	17.22	38.66	54.02	47.05	48.91	74.00	-25.09 peak
6	pp17896.250	18.25	43.08	54.48	45.56	52.41	74.00	-21.59 peak



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11a_TX_CH_045_Vertical



Condition: 3m VERTICAL

Job No : 03833WM

Mode : 6175 TX RSE

: Wi-Fi 6E 11A

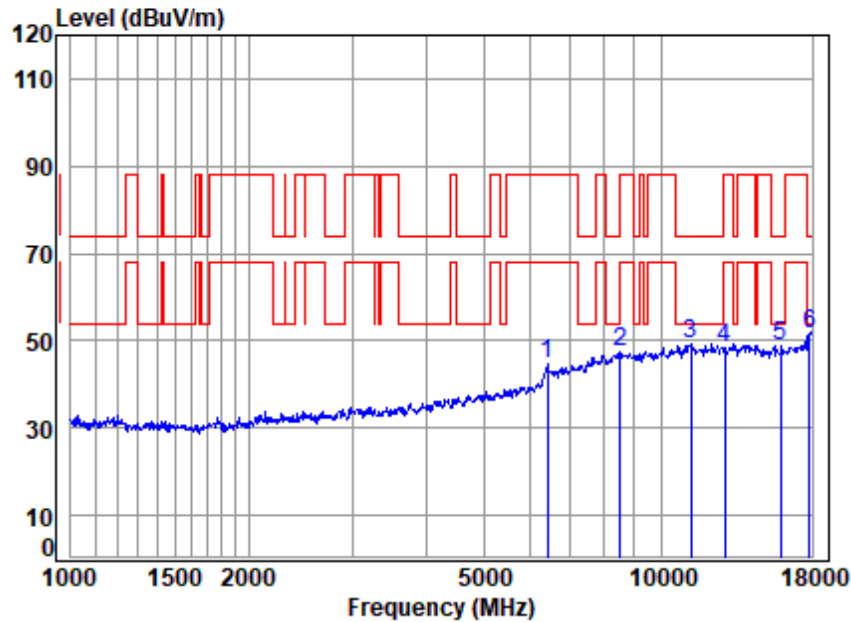
	Cable	Ant	Preamp	Read		Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	6414.167	13.10	34.80	56.82	53.04	44.12	88.20	-44.08 peak
2	7920.911	11.54	37.64	55.96	53.03	46.25	88.20	-41.95 peak
3	8840.473	12.24	38.50	55.14	52.48	48.08	88.20	-40.12 peak
4	12350.000	15.08	39.85	54.04	46.32	47.21	74.00	-26.79 peak
5	15988.450	17.16	38.61	54.00	46.41	48.18	74.00	-25.82 peak
6	pp17896.250	18.25	43.08	54.48	45.12	51.97	74.00	-22.03 peak



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11a_TX_CH_093_Horizontal



Condition: 3m HORIZONTAL

Job No : 03833WM

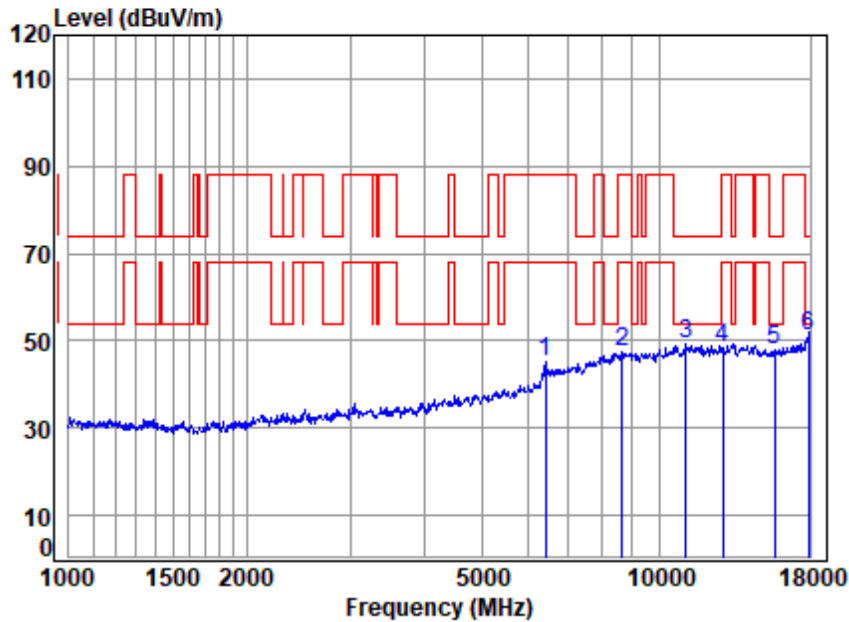
Mode : 6415 TX RSE

: Wi-Fi 6E 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	6414.167	13.10	34.80	56.82	53.72	44.80	88.20 -43.40 peak
2	8514.456	12.26	38.30	55.44	52.31	47.43	88.20 -40.77 peak
3	11204.900	14.75	39.60	53.56	48.48	49.27	74.00 -24.73 peak
4	12830.000	15.53	40.33	54.38	46.67	48.15	88.20 -40.05 peak
5	15942.300	17.22	38.66	54.02	46.82	48.68	74.00 -25.32 peak
6	pp17844.590	18.21	42.77	54.47	45.22	51.73	74.00 -22.27 peak



11a_TX_CH_093_Vertical



Condition: 3m VERTICAL

Job No : 03833WM

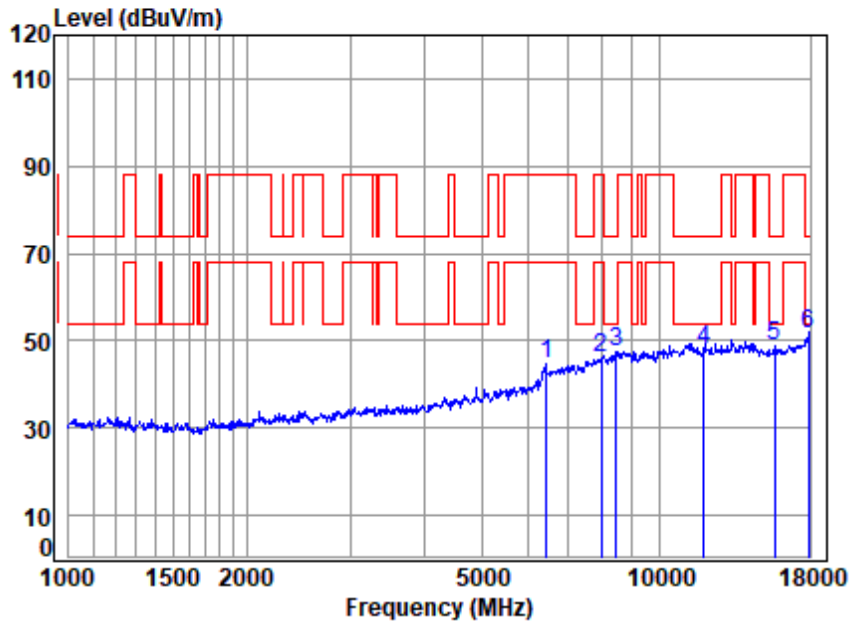
Mode : 6415 TX RSE

: Wi-Fi 6E 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	6414.167	13.10	34.80	56.82	53.91	44.99	88.20	-43.21 peak
2	8663.404	12.04	38.45	55.30	52.18	47.37	88.20	-40.83 peak
3	11108.160	14.67	39.51	53.53	48.68	49.33	74.00	-24.67 peak
4	12830.000	15.53	40.33	54.38	46.77	48.25	88.20	-39.95 peak
5	15668.210	17.24	38.57	54.10	46.33	48.04	74.00	-25.96 peak
6	pp17896.250	18.25	43.08	54.48	44.26	51.11	74.00	-22.89 peak



11ax_20M_TX_CH_001_Horizontal



Condition: 3m HORIZONTAL

Job No : 03833WM

Mode : 5955 TX RSE

: Wi-Fi 6E 11AX20

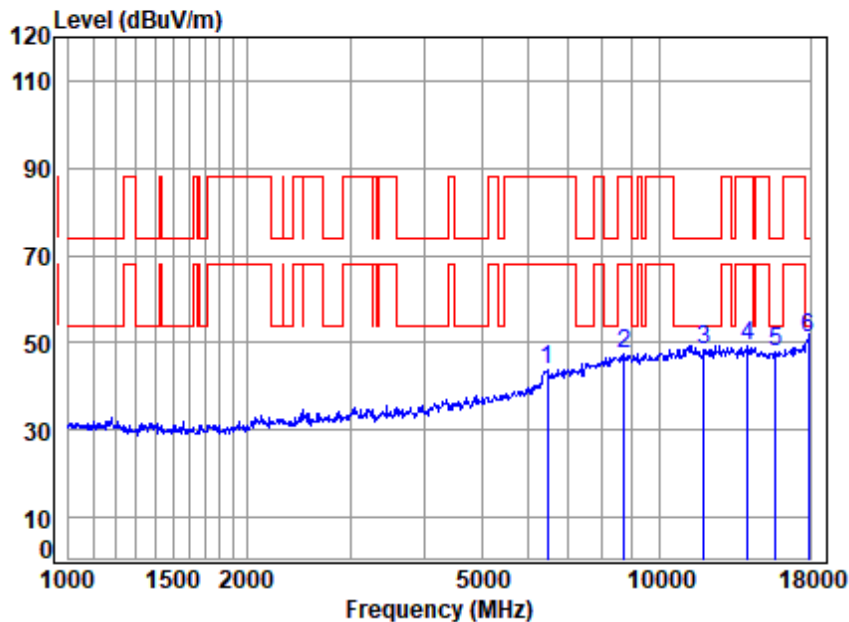
	Cable	Ant	Preamp	Read		Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	6432.732	12.79	34.80	56.81	53.80	44.58	88.20	-43.62 peak
2	7966.832	11.55	37.73	55.93	52.65	46.00	88.20	-42.20 peak
3	8440.945	11.91	38.44	55.50	52.50	47.35	74.00	-26.65 peak
4	11910.000	14.87	39.71	53.77	47.25	48.06	74.00	-25.94 peak
5	15668.210	17.24	38.57	54.10	46.91	48.62	74.00	-25.38 peak
6	pp17865.000	18.22	42.89	54.47	44.86	51.50	74.00	-22.50 peak



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11ax_20M_TX_CH_001_Verical



Condition: 3m VERTICAL

Job No : 03833WM

Mode : 5955 TX RSE

: Wi-Fi 6E 11AX20

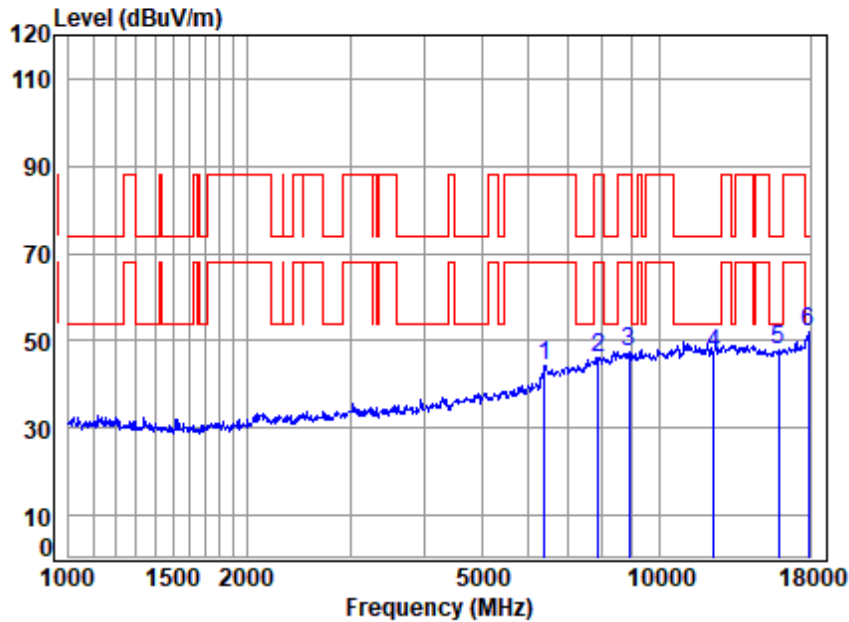
	Cable	Ant	Preamp	Read		Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	6470.026	12.17	34.84	56.81	53.68	43.88	88.20	-44.32 Peak
2	8713.630	12.11	38.57	55.26	52.09	47.51	88.20	-40.69 peak
3	11910.000	14.87	39.71	53.77	47.63	48.44	74.00	-25.56 peak
4	14119.830	16.45	39.88	54.39	47.13	49.07	88.20	-39.13 Peak
5	15713.560	17.24	38.59	54.09	46.01	47.75	74.00	-26.25 peak
6	pp17865.000	18.22	42.89	54.47	44.61	51.25	74.00	-22.75 peak



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11ax_20M_TX_CH_045_Horizontal



Condition: 3m HORIZONTAL

Job No : 03833WM

Mode : 6175 TX RSE

: Wi-Fi 6E 11AX20

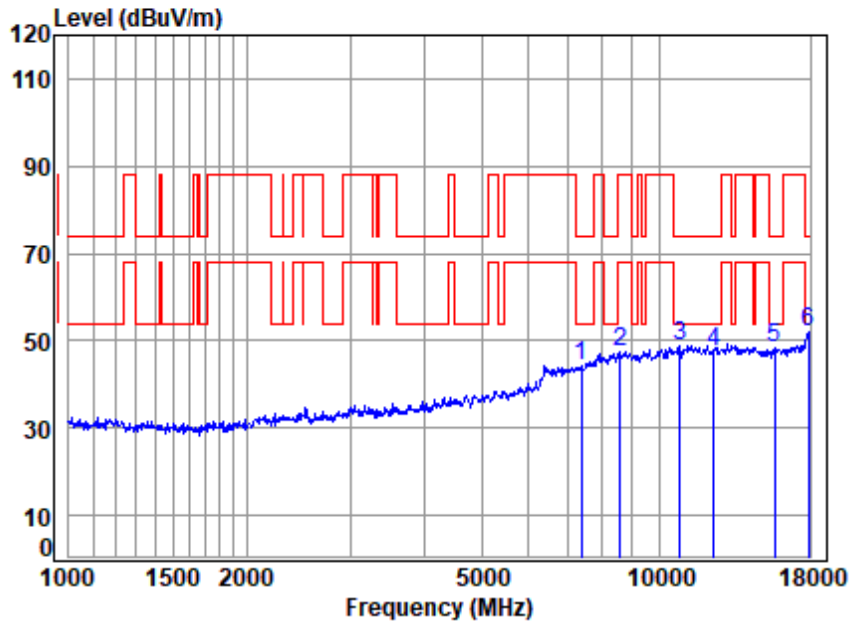
	Cable	Ant	Preamp	Read		Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	6395.654	13.23	34.79	56.82	53.18	44.38	88.20	-43.82 peak
2	7875.254	11.48	37.50	56.00	53.05	46.03	88.20	-42.17 peak
3	8891.725	12.22	38.58	55.10	51.76	47.46	88.20	-40.74 peak
4	12350.000	15.08	39.85	54.04	45.96	46.85	74.00	-27.15 peak
5	15896.290	17.27	38.69	54.03	45.84	47.77	74.00	-26.23 peak
6	pp17896.250	18.25	43.08	54.48	45.17	52.02	74.00	-21.98 peak



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11ax_20M_TX_CH_045_Vertical



Condition: 3m VERTICAL

Job No : 03833WM

Mode : 6175 TX RSE

: Wi-Fi 6E 11AX20

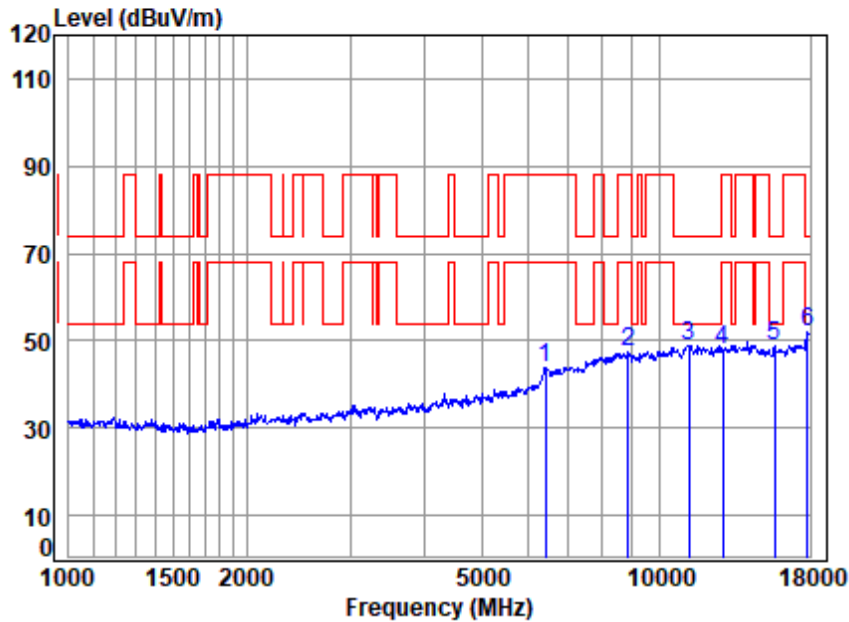
	Cable	Ant	Preamp	Read		Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	7368.741	11.50	36.76	56.41	52.53	44.38	74.00	-29.62 peak
2	8588.607	12.00	38.45	55.37	52.40	47.48	88.20	-40.72 Peak
3	10854.250	13.83	39.30	53.59	49.29	48.83	74.00	-25.17 Peak
4	12350.000	15.08	39.85	54.04	46.53	47.42	74.00	-26.58 peak
5	15668.210	17.24	38.57	54.10	46.43	48.14	74.00	-25.86 peak
6	pp17896.250	18.25	43.08	54.48	45.11	51.96	74.00	-22.04 peak



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11ax_20M_TX_CH_093_Horizontal



Condition: 3m HORIZONTAL

Job No : 03833WM

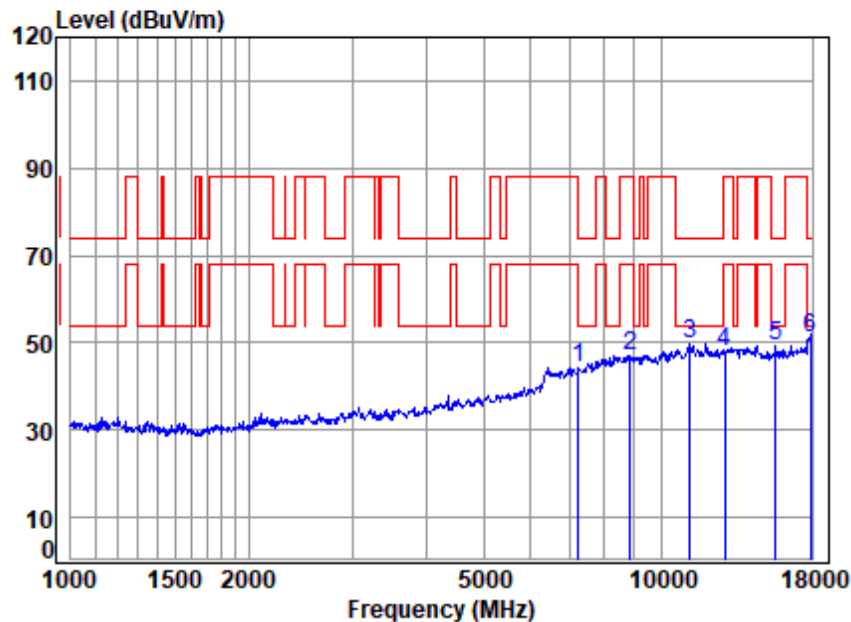
Mode : 6415 TX RSE

: Wi-Fi 6E 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	6414.167	13.10	34.80	56.82	52.94	44.02	88.20	-44.18 peak
2	8866.062	12.23	38.53	55.12	51.79	47.43	88.20	-40.77 peak
3	11204.900	14.75	39.60	53.56	48.13	48.92	74.00	-25.08 peak
4	12830.000	15.53	40.33	54.38	46.39	47.87	88.20	-40.33 peak
5	15668.210	17.24	38.57	54.10	46.92	48.63	74.00	-25.37 peak
6	pp17844.590	18.21	42.77	54.47	45.30	51.81	74.00	-22.19 peak



11ax_20M_TX_CH_093_Verical



Condition: 3m VERTICAL

Job No : 03833WM

Mode : 6415 TX RSE

: Wi-Fi 6E 11AX20

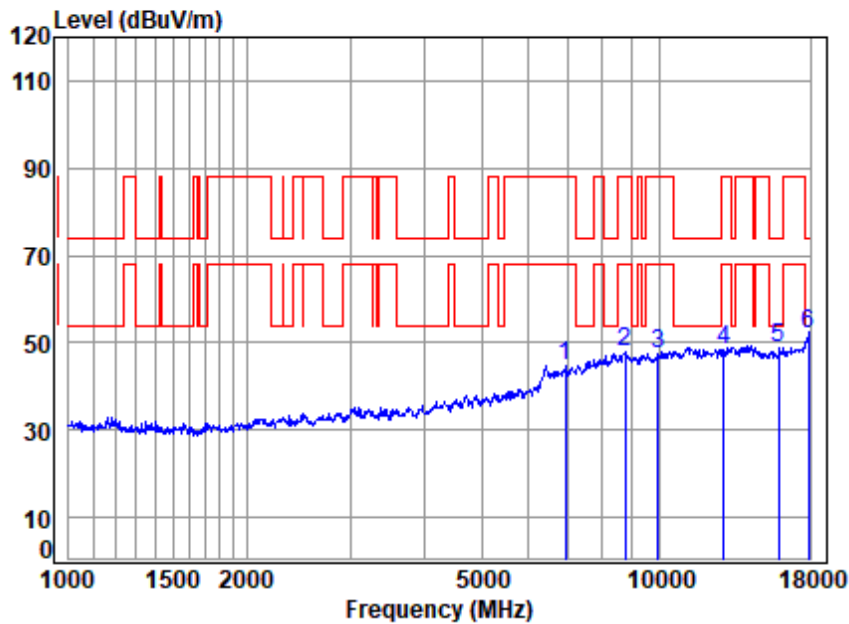
	Cable	Ant	Preamp	Read		Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	7242.052	11.52	36.60	56.51	52.53	44.14	88.20	-44.06 peak
2	8866.062	12.23	38.53	55.12	51.50	47.14	88.20	-41.06 peak
3	11172.560	14.73	39.57	53.55	49.12	49.87	74.00	-24.13 peak
4	12830.000	15.53	40.33	54.38	46.27	47.75	88.20	-40.45 peak
5	15622.990	17.19	38.52	54.11	47.51	49.11	74.00	-24.89 peak
6	pp17896.250	18.25	43.08	54.48	44.12	50.97	74.00	-23.03 peak



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11a_TX_CH_097_Horizontal



Condition: 3m HORIZONTAL

Job No : 03833WM

Mode : 6435 TX RSE

: Wi-Fi 6E 11A

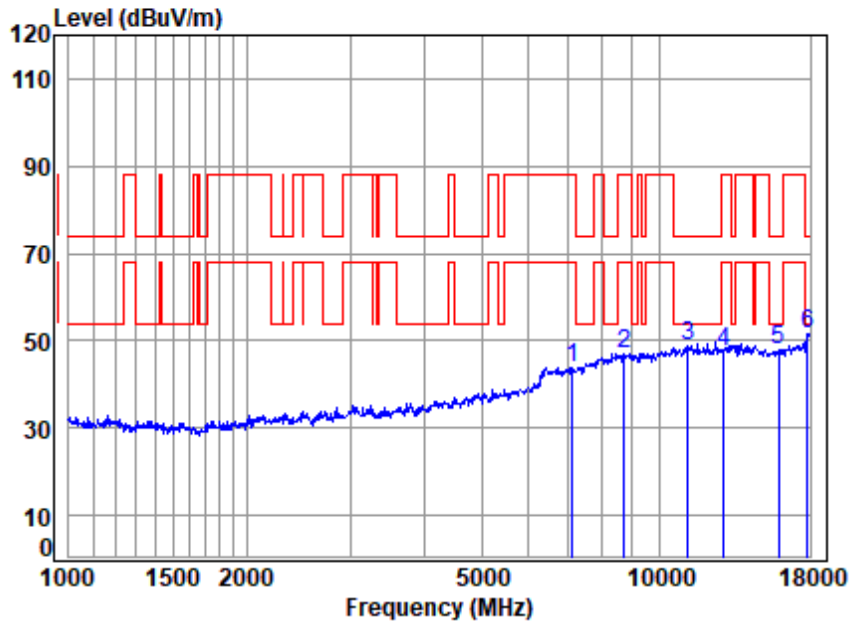
	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	6934.778	11.37	36.13	56.71	53.78	44.57	88.20 -43.63 peak
2	8764.146	12.19	38.50	55.21	52.47	47.95	88.20 -40.25 peak
3	9952.717	12.91	38.90	54.14	49.73	47.40	88.20 -40.80 peak
4	12870.000	15.69	40.37	54.41	46.51	48.16	88.20 -40.04 peak
5	15942.300	17.22	38.66	54.02	46.97	48.83	74.00 -25.17 peak
6	pp17896.250	18.25	43.08	54.48	44.99	51.84	74.00 -22.16 peak



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11a_TX_CH_097_Vertical



Condition: 3m VERTICAL

Job No : 03833WM

Mode : 6435 TX RSE

: Wi-Fi 6E 11A

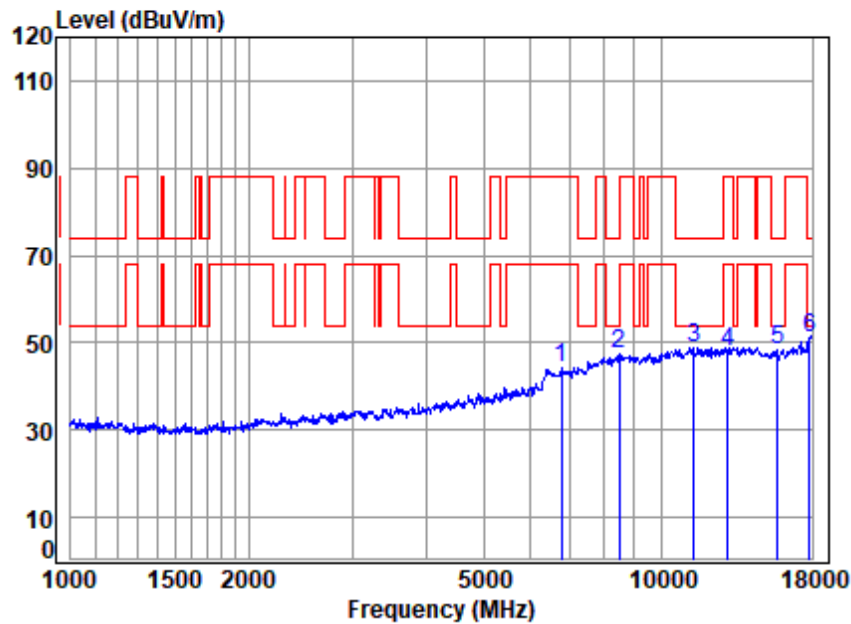
	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	7117.542	11.91	36.44	56.61	52.08	43.82	88.20 -44.38 peak
2	8713.630	12.11	38.57	55.26	51.66	47.08	88.20 -41.12 peak
3	11172.560	14.73	39.57	53.55	48.14	48.89	74.00 -25.11 Peak
4	12870.000	15.69	40.37	54.41	45.81	47.46	88.20 -40.74 peak
5	15942.300	17.22	38.66	54.02	45.93	47.79	74.00 -26.21 peak
6	pp17844.590	18.21	42.77	54.47	44.85	51.36	74.00 -22.64 peak



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11a_TX_CH_105_Horizontal



Condition: 3m HORIZONTAL

Job No : 03833WM

Mode : 6475 TX RSE

: Wi-Fi 6E 11A

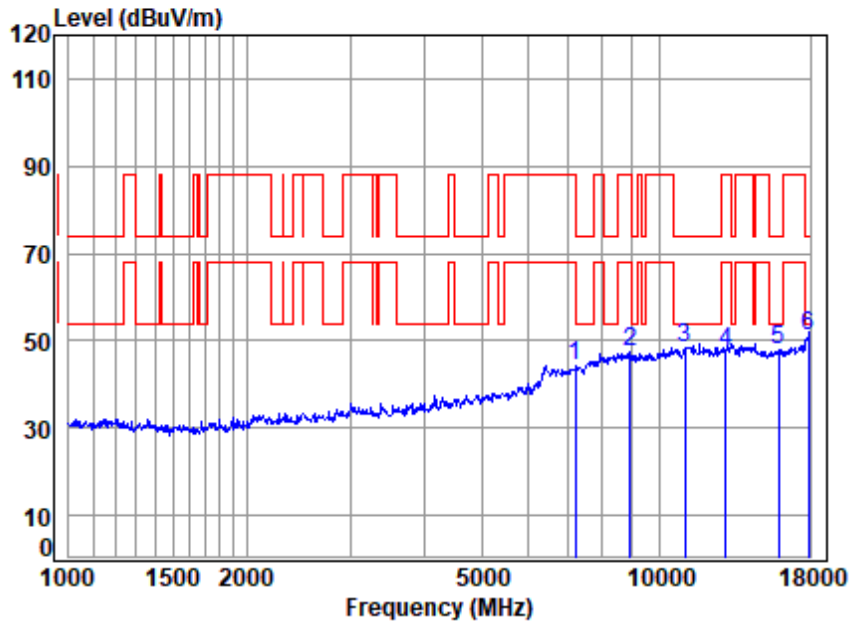
	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	6776.265	11.38	35.81	56.74	53.95	44.40	88.20	-43.80 peak
2	8489.882	12.24	38.32	55.46	52.17	47.27	74.00	-26.73 peak
3	11368.000	14.35	39.70	53.61	48.47	48.91	74.00	-25.09 peak
4	12950.000	15.85	40.35	54.47	46.06	47.79	88.20	-40.41 peak
5	15713.560	17.24	38.59	54.09	46.78	48.52	74.00	-25.48 peak
6	pp17844.590	18.21	42.77	54.47	44.59	51.10	74.00	-22.90 peak



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11a_TX_CH_105_Vertical



Condition: 3m VERTICAL

Job No : 03833WM

Mode : 6475 TX RSE

: Wi-Fi 6E 11A

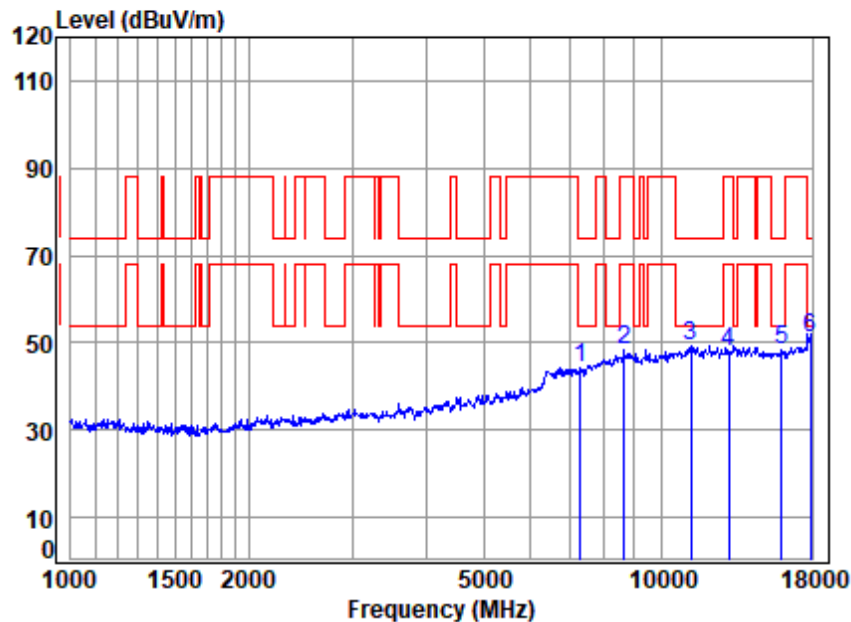
	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	7221.150	11.52	36.60	56.52	52.76	44.36	88.20	-43.84 peak
2	8917.462	12.21	38.57	55.07	51.60	47.31	88.20	-40.89 peak
3	11044.130	14.39	39.44	53.51	48.22	48.54	74.00	-25.46 peak
4	12950.000	15.85	40.35	54.47	45.85	47.58	88.20	-40.62 peak
5	15896.290	17.27	38.69	54.03	46.00	47.93	74.00	-26.07 peak
6	pp17896.250	18.25	43.08	54.48	44.45	51.30	74.00	-22.70 peak



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11a_TX_CH_113_Horizontal



Condition: 3m HORIZONTAL

Job No : 03833WM

Mode : 6515 TX RSE

: Wi-Fi 6E 11A

	Cable	Ant	Preamp	Read		Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	7305.122	11.51	36.71	56.46	52.40	44.16	74.00	-29.84 peak
2	8663.404	12.04	38.45	55.30	52.97	48.16	88.20	-40.04 peak
3	11204.900	14.75	39.60	53.56	48.38	49.17	74.00	-24.83 peak
4	13030.000	15.79	40.30	54.50	46.20	47.79	88.20	-40.41 peak
5	15988.450	17.16	38.61	54.00	46.47	48.24	74.00	-25.76 peak
6	pp17896.250	18.25	43.08	54.48	44.26	51.11	74.00	-22.89 peak



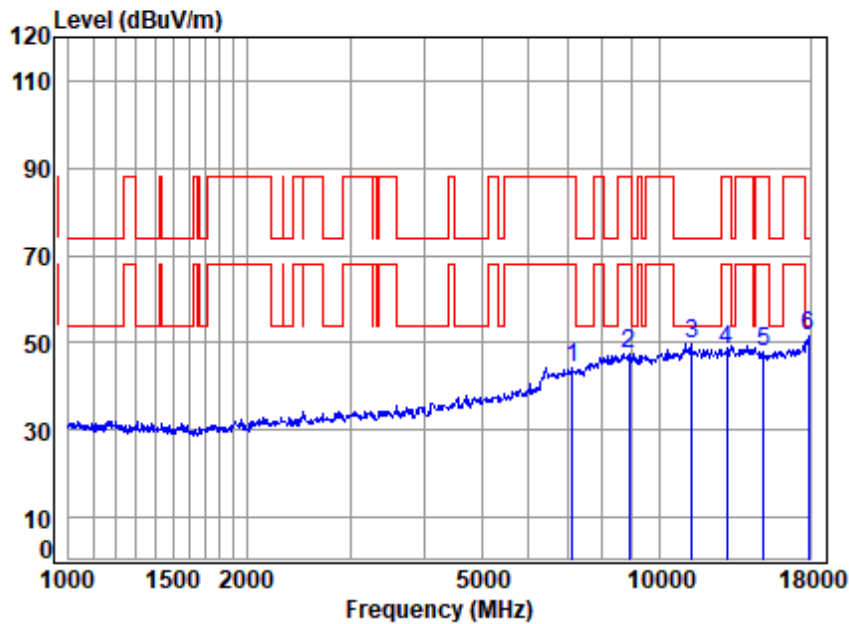
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11a_TX_CH_113_Vertical



Condition: 3m VERTICAL

Job No : 03833WM

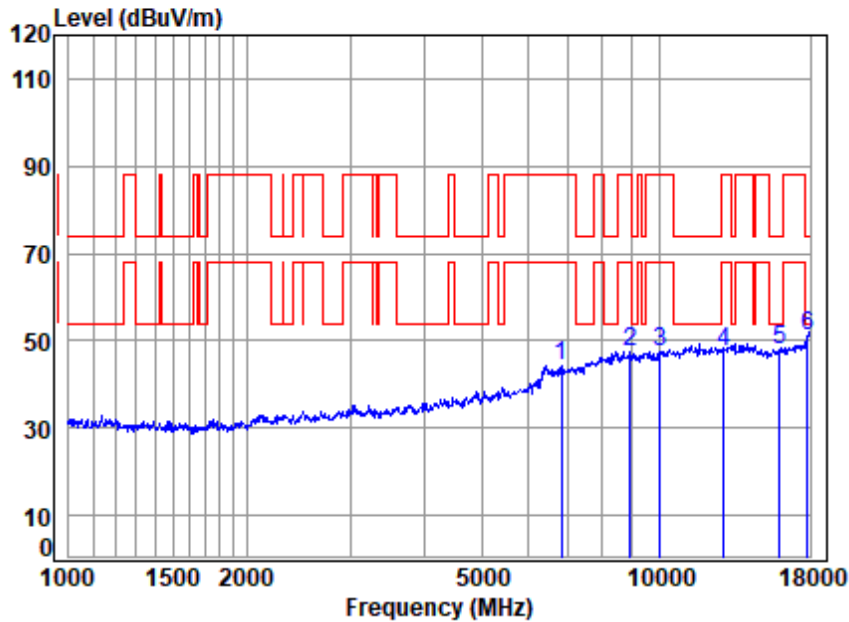
Mode : 6515 TX RSE

: Wi-Fi 6E 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	7138.144	11.81	36.48	56.59	52.60	44.30	88.20 -43.90 peak
2	8891.725	12.22	38.58	55.10	51.97	47.67	88.20 -40.53 peak
3	11335.190	14.49	39.70	53.60	48.95	49.54	74.00 -24.46 peak
4	13030.000	15.79	40.30	54.50	46.93	48.52	88.20 -39.68 peak
5	15046.850	16.65	38.75	54.29	47.00	48.11	88.20 -40.09 peak
6	pp17896.250	18.25	43.08	54.48	44.51	51.36	74.00 -22.64 peak



11ax_20M_TX_CH_097_Horizontal



Condition: 3m HORIZONTAL

Job No : 03833WM

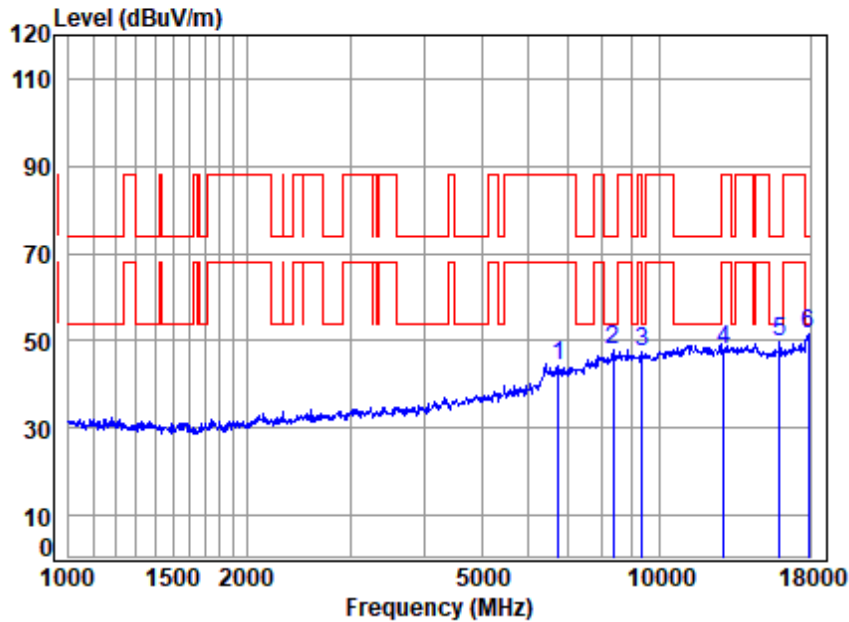
Mode : 6435 TX RSE

: Wi-Fi 6E 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	6835.278	11.37	35.97	56.73	53.57	44.18	88.20	-44.02 peak
2	8917.462	12.21	38.57	55.07	51.97	47.68	88.20	-40.52 peak
3	10010.420	13.04	38.92	54.09	49.65	47.52	88.20	-40.68 peak
4	12870.000	15.69	40.37	54.41	45.87	47.52	88.20	-40.68 peak
5	15988.450	17.16	38.61	54.00	46.31	48.08	74.00	-25.92 peak
6	pp17793.090	18.18	42.45	54.46	45.13	51.30	74.00	-22.70 peak



11ax_20M_TX_CH_097_Verical



Condition: 3m VERTICAL

Job No : 03833WM

Mode : 6435 TX RSE

: Wi-Fi 6E 11AX20

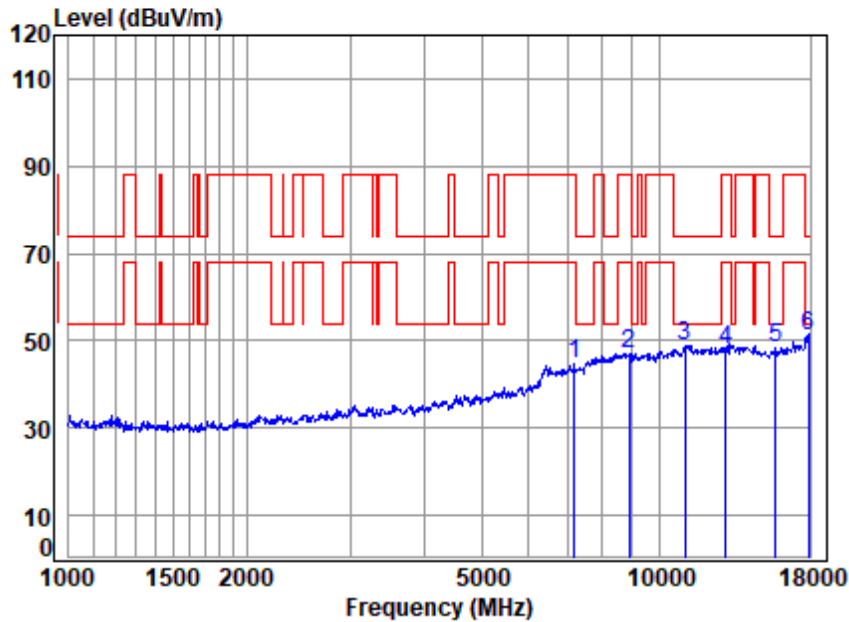
	Cable	Ant	Preamp	Read		Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	6756.708	11.39	35.73	56.75	54.00	44.37	88.20	-43.83 peak
2	8343.918	11.70	38.60	55.59	53.40	48.11	74.00	-25.89 peak
3	9366.577	12.26	38.80	54.67	51.12	47.51	74.00	-26.49 peak
4	12870.000	15.69	40.37	54.41	46.20	47.85	88.20	-40.35 peak
5	15988.450	17.16	38.61	54.00	47.94	49.71	74.00	-24.29 peak
6	pp17896.250	18.25	43.08	54.48	44.78	51.63	74.00	-22.37 peak



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11ax_20M_TX_CH_105_Horizontal



Condition: 3m HORIZONTAL

Job No : 03833WM

Mode : 6475 TX RSE

: Wi-Fi 6E 11AX20

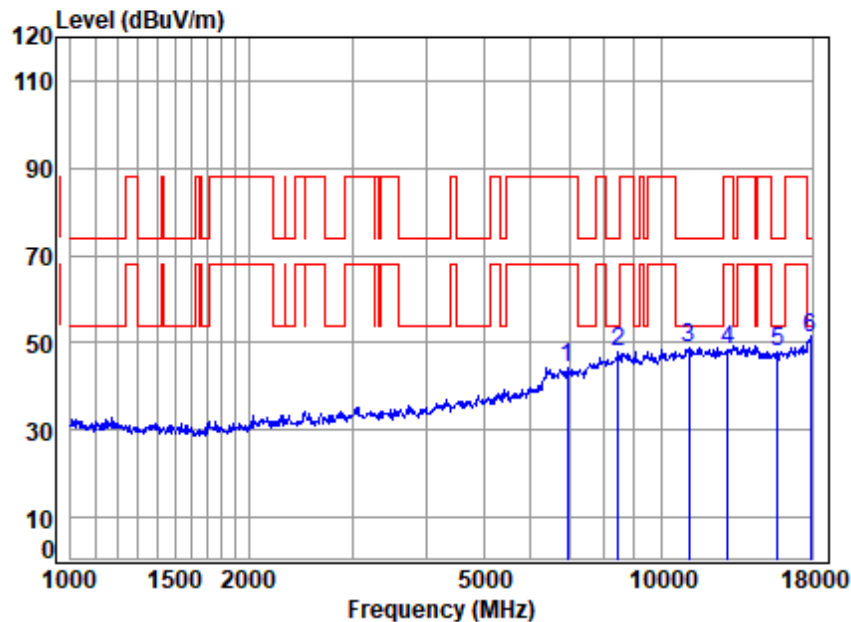
	Cable	Ant	Preamp	Read		Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	7179.527	11.62	36.56	56.56	52.96	44.58	88.20	-43.62 peak
2	8891.725	12.22	38.58	55.10	51.37	47.07	88.20	-41.13 peak
3	11044.130	14.39	39.44	53.51	48.64	48.96	74.00	-25.04 peak
4	12950.000	15.85	40.35	54.47	46.04	47.77	88.20	-40.43 peak
5	15713.560	17.24	38.59	54.09	46.60	48.34	74.00	-25.66 peak
6	pp17896.250	18.25	43.08	54.48	44.26	51.11	74.00	-22.89 peak



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11ax_20M_TX_CH_105_Verical



Condition: 3m VERTICAL

Job No : 03833WM

Mode : 6475 TX RSE

: Wi-Fi 6E 11AX20

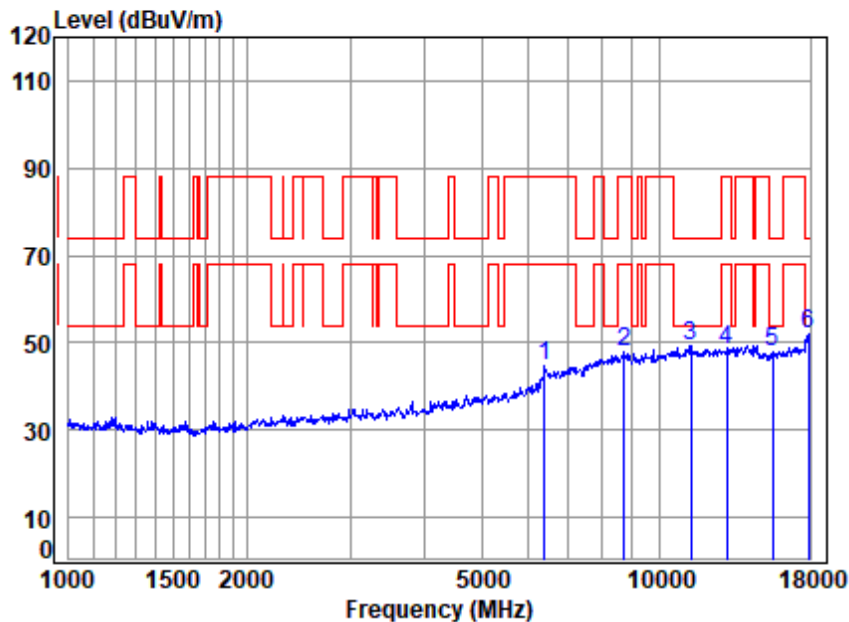
	Cable	Ant	Preamp	Read		Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	6934.778	11.37	36.13	56.71	53.55	44.34	88.20	-43.86 peak
2	8465.379	12.08	38.37	55.48	53.06	48.03	74.00	-25.97 peak
3	11140.310	14.70	39.54	53.54	47.91	48.61	74.00	-25.39 peak
4	12950.000	15.85	40.35	54.47	46.56	48.29	88.20	-39.91 peak
5	15759.050	17.13	38.54	54.07	46.31	47.91	74.00	-26.09 peak
6	pp17896.250	18.25	43.08	54.48	44.37	51.22	74.00	-22.78 peak



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11ax_20M_TX_CH_113_Horizontal



Condition: 3m HORIZONTAL

Job No : 03833WM

Mode : 6515 TX RSE

: Wi-Fi 6E 11AX20

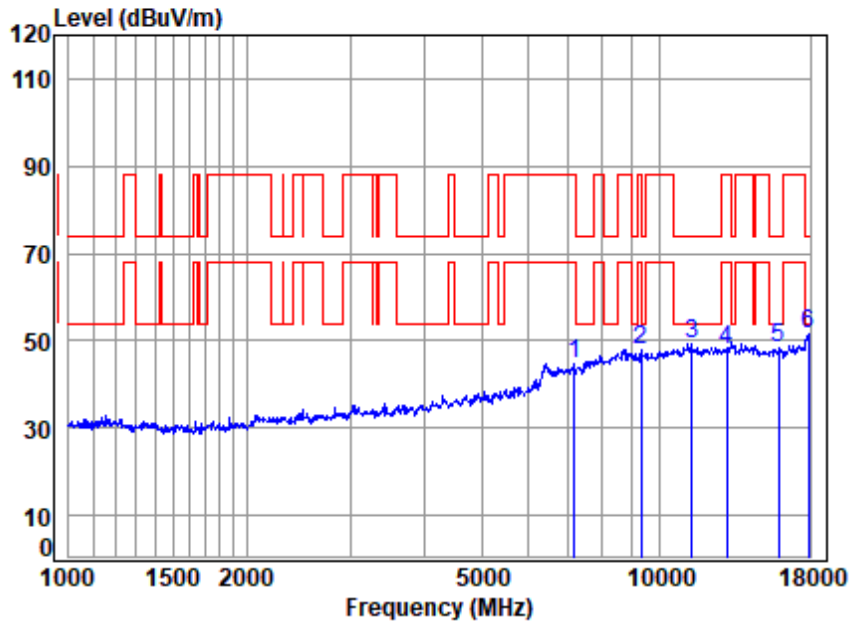
	Cable	Ant	Preamp	Read		Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	6395.654	13.23	34.79	56.82	53.45	44.65	88.20	-43.55 peak
2	8713.630	12.11	38.57	55.26	52.47	47.89	88.20	-40.31 peak
3	11302.480	14.63	39.70	53.59	48.57	49.31	74.00	-24.69 peak
4	13030.000	15.79	40.30	54.50	46.85	48.44	88.20	-39.76 peak
5	15577.900	17.11	38.52	54.13	46.59	48.09	74.00	-25.91 peak
6	pp17896.250	18.25	43.08	54.48	45.26	52.11	74.00	-21.89 peak



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11ax_20M_TX_CH_113_Verical



Condition: 3m VERTICAL

Job No : 03833WM

Mode : 6515 TX RSE

: Wi-Fi 6E 11AX20

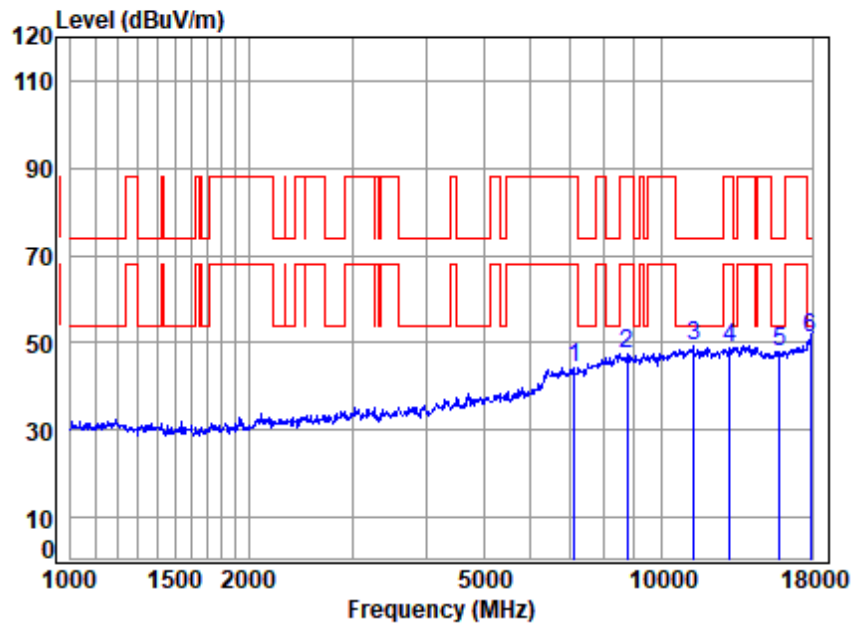
	Cable	Ant	Preamp	Read		Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	7179.527	11.62	36.56	56.56	52.98	44.60	88.20	-43.60 peak
2	9312.588	12.19	38.80	54.72	51.64	47.91	74.00	-26.09 peak
3	11368.000	14.35	39.70	53.61	48.69	49.13	74.00	-24.87 peak
4	13030.000	15.79	40.30	54.50	46.41	48.00	88.20	-40.20 peak
5	15942.300	17.22	38.66	54.02	46.59	48.45	74.00	-25.55 peak
6	pp17896.250	18.25	43.08	54.48	44.62	51.47	74.00	-22.53 peak



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11a_TX_CH_117_Horizontal



Condition: 3m HORIZONTAL

Job No : 03833WM

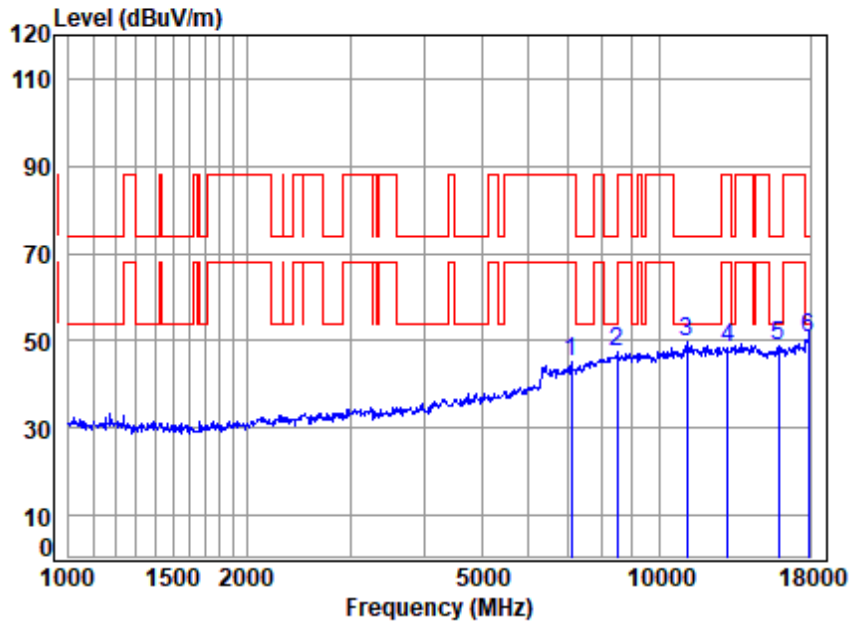
Mode : 6535 TX RSE

: Wi-Fi 6E 11A

	Cable	Ant	Preamp	Read		Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	7117.542	11.91	36.44	56.61	52.57	44.31	88.20	-43.89 peak
2	8764.146	12.19	38.50	55.21	51.85	47.33	88.20	-40.87 peak
3	11335.190	14.49	39.70	53.60	48.74	49.33	74.00	-24.67 peak
4	13070.000	15.67	40.30	54.49	47.21	48.69	88.20	-39.51 peak
5	15850.410	17.16	38.60	54.04	46.28	48.00	74.00	-26.00 peak
6	pp17896.250	18.25	43.08	54.48	44.21	51.06	74.00	-22.94 peak



11a_TX_CH_117_Vertical



Condition: 3m VERTICAL

Job No : 03833WM

Mode : 6535 TX RSE

: Wi-Fi 6E 11A

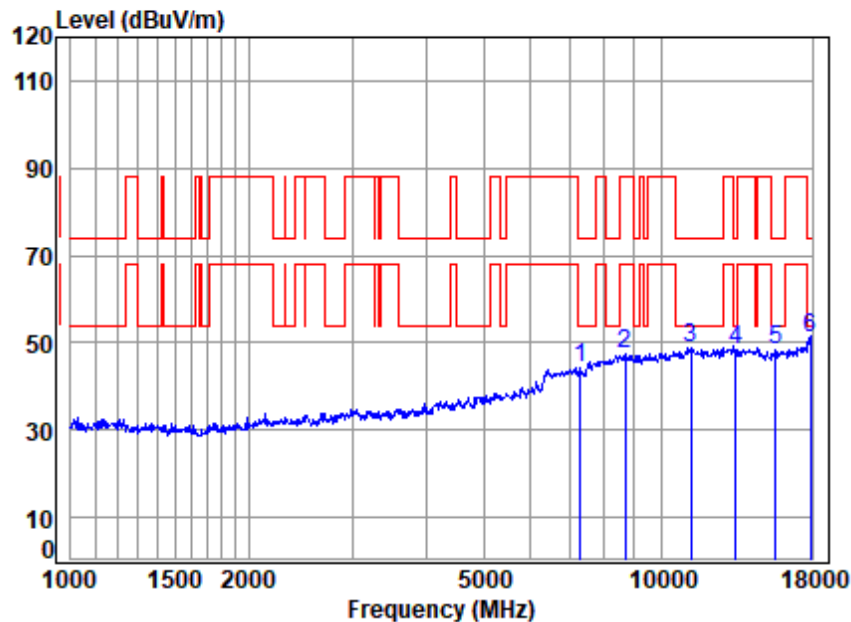
	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	7096.999	11.97	36.39	56.62	53.44	45.18	88.20 -43.02 peak
2	8489.882	12.24	38.32	55.46	52.20	47.30	74.00 -26.70 peak
3	11140.310	14.70	39.54	53.54	48.81	49.51	74.00 -24.49 peak
4	13070.000	15.67	40.30	54.49	46.89	48.37	88.20 -39.83 peak
5	15942.300	17.22	38.66	54.02	46.85	48.71	74.00 -25.29 peak
6	pp17896.250	18.25	43.08	54.48	43.99	50.84	74.00 -23.16 peak



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11a_TX_CH_185_Horizontal



Condition: 3m HORIZONTAL

Job No : 03833WM

Mode : 6695 TX RSE

: Wi-Fi 6E 11A

	Cable	Ant	Preamp	Read		Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	7284.038	11.51	36.67	56.47	52.53	44.24	74.00	-29.76 peak
2	8688.480	12.08	38.55	55.28	51.95	47.30	88.20	-40.90 peak
3	11204.900	14.75	39.60	53.56	48.14	48.93	74.00	-25.07 peak
4	13390.000	15.97	40.30	54.46	46.55	48.36	74.00	-25.64 peak
5	15622.990	17.19	38.52	54.11	46.59	48.19	74.00	-25.81 peak
6	pp17896.250	18.25	43.08	54.48	44.28	51.13	74.00	-22.87 peak



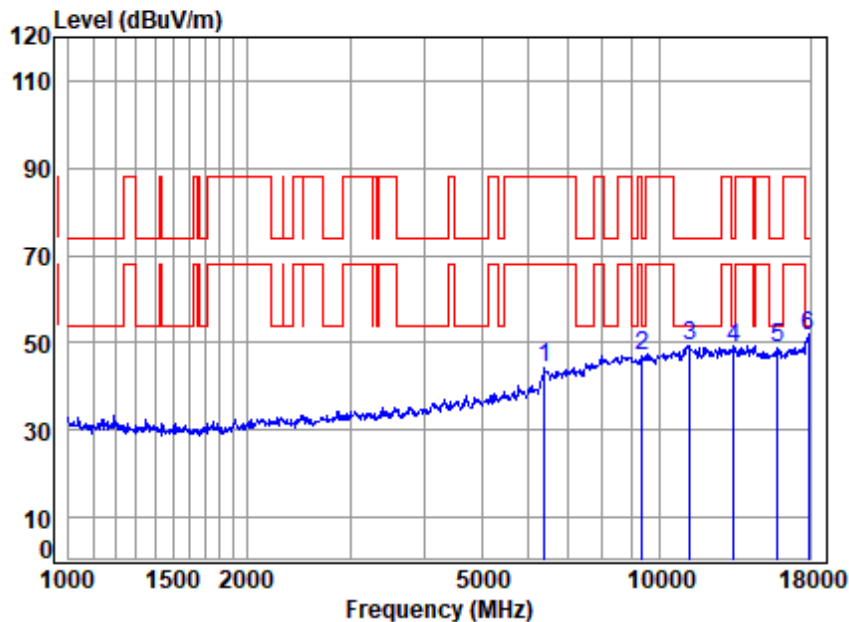
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Shenzhen Branch

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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

11a_TX_CH_185_Vertical



Condition: 3m VERTICAL

Job No : 03833WM

Mode : 6695 TX RSE

: Wi-Fi 6E 11A

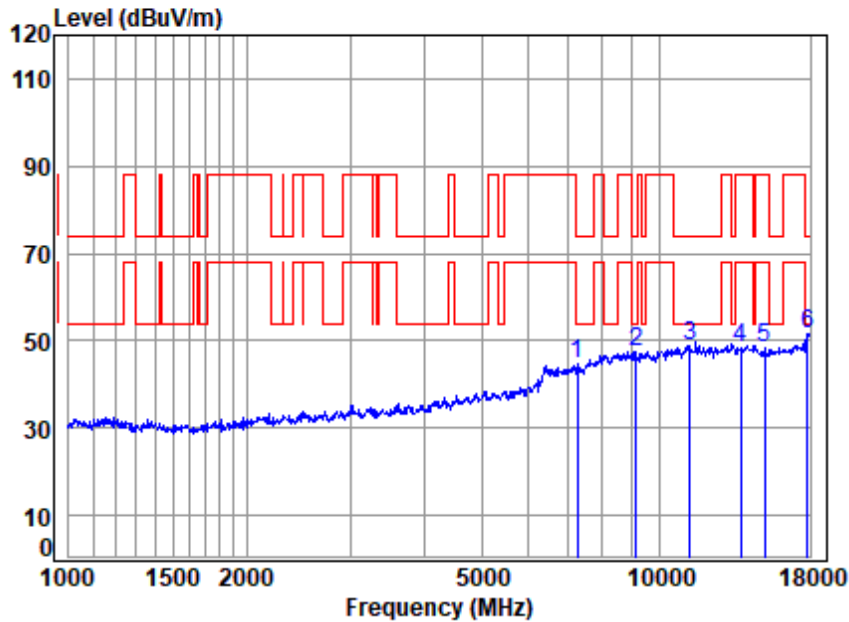
	Cable	Ant	Preamp	Read		Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	6395.654	13.23	34.79	56.82	53.16	44.36	88.20	-43.84 peak
2	9366.577	12.26	38.80	54.67	50.65	47.04	74.00	-26.96 peak
3	11269.860	14.68	39.67	53.58	48.65	49.42	74.00	-24.58 peak
4	13390.000	15.97	40.30	54.46	46.87	48.68	74.00	-25.32 peak
5	15850.410	17.16	38.60	54.04	46.95	48.67	74.00	-25.33 peak
6	pp17896.250	18.25	43.08	54.48	44.80	51.65	74.00	-22.35 peak



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11a_TX_CH_181_Horizontal



Condition: 3m HORIZONTAL

Job No : 03833WM

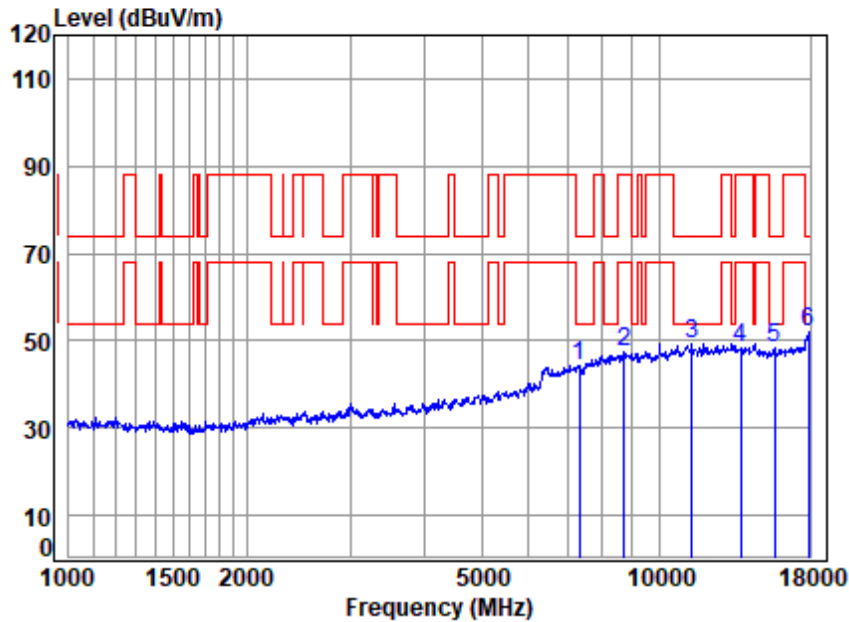
Mode : 6855 TX RSE

: Wi-Fi 6E 11A

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	7263.015	11.51	36.63	56.49	53.10	44.75	74.00 -29.25 peak
2	9126.063	12.17	38.65	54.89	51.57	47.50	74.00 -26.50 peak
3	11269.860	14.68	39.67	53.58	48.25	49.02	74.00 -24.98 peak
4	13710.000	16.36	39.99	54.43	46.66	48.58	88.20 -39.62 peak
5	15090.400	16.70	38.71	54.27	47.44	48.58	88.20 -39.62 peak
6	pp17844.590	18.21	42.77	54.47	44.92	51.43	74.00 -22.57 peak



11a_TX_CH_181_Vertical



Condition: 3m VERTICAL

Job No : 03833WM

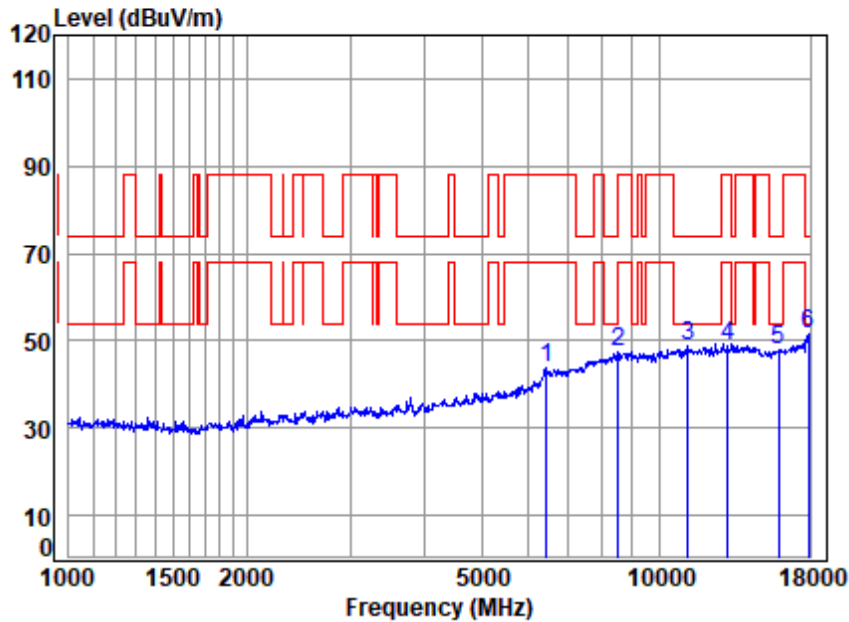
Mode : 6855 TX RSE

: Wi-Fi 6E 11A

	Cable	Ant	Preamp	Read		Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	7326.267	11.51	36.75	56.44	52.52	44.34	74.00	-29.66 peak
2	8713.630	12.11	38.57	55.26	51.88	47.30	88.20	-40.90 peak
3	11335.190	14.49	39.70	53.60	48.51	49.10	74.00	-24.90 peak
4	13710.000	16.36	39.99	54.43	46.26	48.18	88.20	-40.02 peak
5	15668.210	17.24	38.57	54.10	46.70	48.41	74.00	-25.59 peak
6	pp17896.250	18.25	43.08	54.48	45.28	52.13	74.00	-21.87 peak



11ax_20M_TX_CH_117_Horizontal



Condition: 3m HORIZONTAL

Job No : 03833WM

Mode : 6535 TX RSE

: Wi-Fi 6E 11AX20

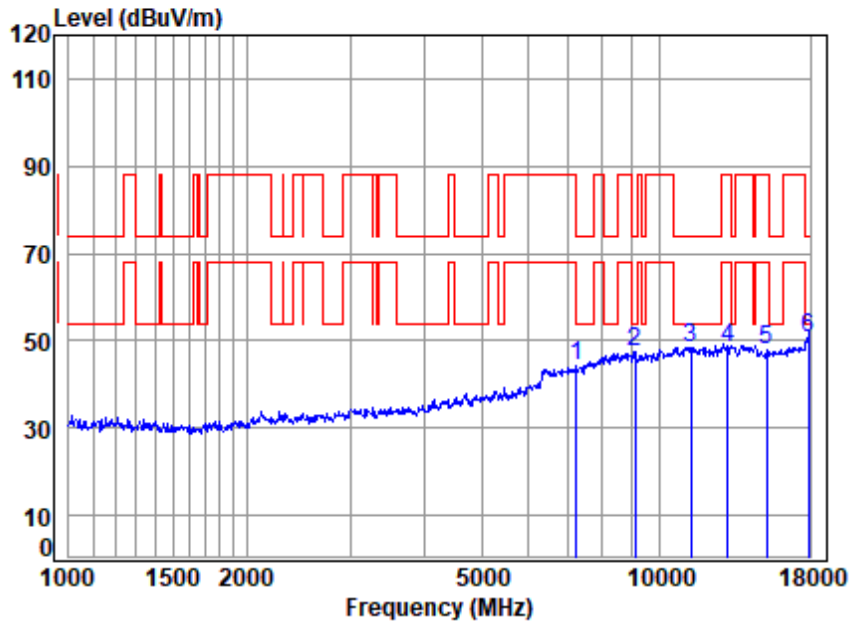
	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	6432.732	12.79	34.80	56.81	53.16	43.94	88.20	-44.26 peak
2	8514.456	12.26	38.30	55.44	52.32	47.44	88.20	-40.76 peak
3	11172.560	14.73	39.57	53.55	48.14	48.89	74.00	-25.11 peak
4	13070.000	15.67	40.30	54.49	47.36	48.84	88.20	-39.36 peak
5	15942.300	17.22	38.66	54.02	46.19	48.05	74.00	-25.95 peak
6	pp17896.250	18.25	43.08	54.48	44.70	51.55	74.00	-22.45 peak



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11ax_20M_TX_CH_117_Vertical



Condition: 3m VERTICAL

Job No : 03833WM

Mode : 6535 TX RSE

: Wi-Fi 6E 11AX20

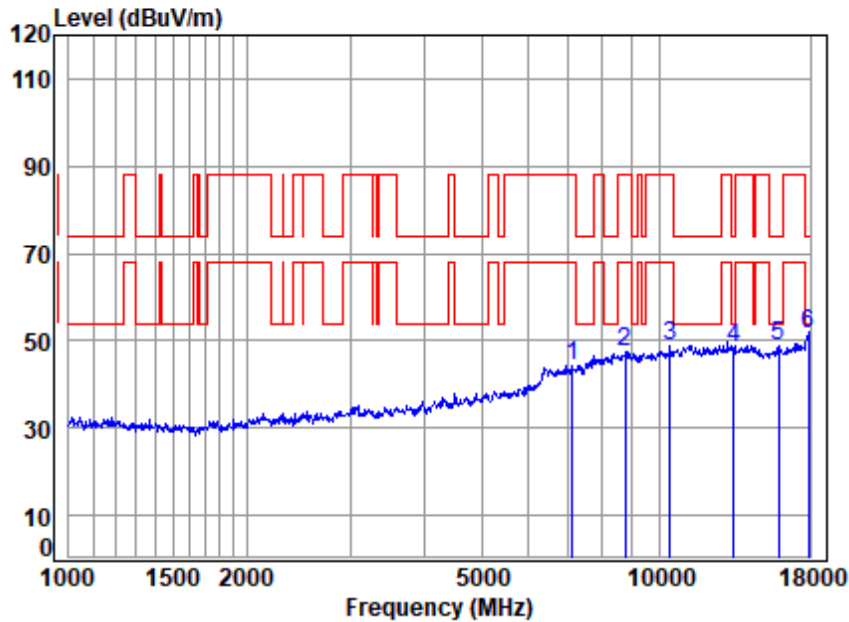
	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	7242.052	11.52	36.60	56.51	52.56	44.17	88.20	-44.03 peak
2	9099.724	12.12	38.60	54.91	51.48	47.29	74.00	-26.71 peak
3	11302.480	14.63	39.70	53.59	47.84	48.58	74.00	-25.42 peak
4	13070.000	15.67	40.30	54.49	47.00	48.48	88.20	-39.72 peak
5	15177.890	16.70	38.78	54.25	46.66	47.89	88.20	-40.31 peak
6	pp17896.250	18.25	43.08	54.48	43.68	50.53	74.00	-23.47 peak



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11ax_20M_TX_CH_185_Horizontal



Condition: 3m HORIZONTAL

Job No : 03833WM

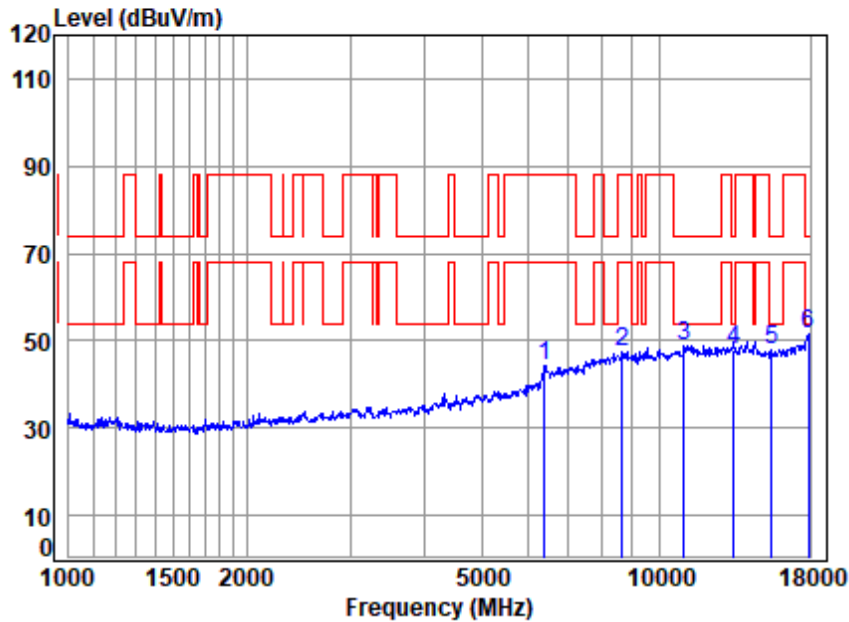
Mode : 6695 TX RSE

: Wi-Fi 6E 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	7117.542	11.91	36.44	56.61	52.58	44.32	88.20	-43.88 peak
2	8764.146	12.19	38.50	55.21	52.18	47.66	88.20	-40.54 peak
3	10423.800	13.62	39.02	53.85	50.08	48.87	88.20	-39.33 peak
4	13390.000	15.97	40.30	54.46	46.63	48.44	74.00	-25.56 peak
5	15896.290	17.27	38.69	54.03	46.66	48.59	74.00	-25.41 peak
6	pp17896.250	18.25	43.08	54.48	44.56	51.41	74.00	-22.59 peak



11ax_20M_TX_CH_185_Vertical



Condition: 3m VERTICAL

Job No : 03833WM

Mode : 6695 TX RSE

: Wi-Fi 6E 11AX20

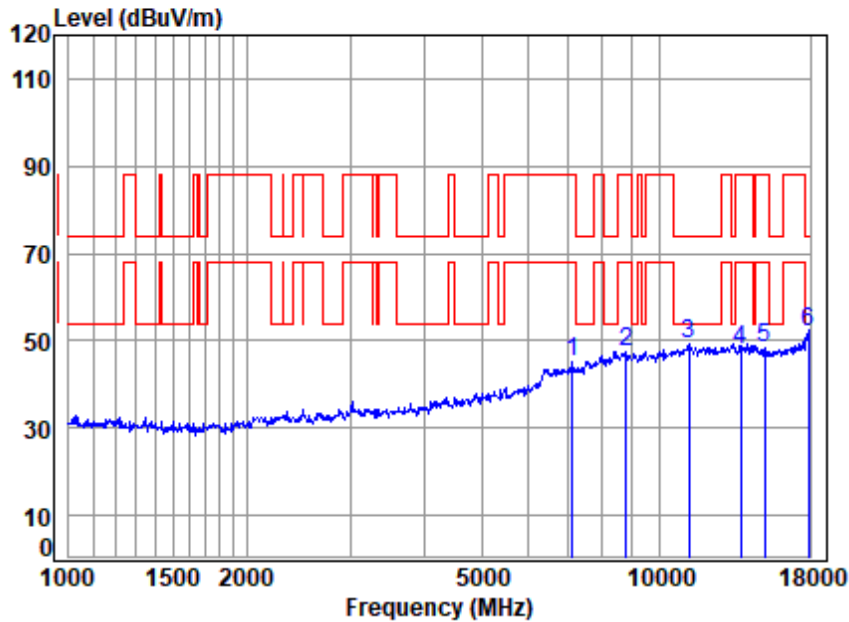
	Cable	Ant	Preamp	Read		Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	6395.654	13.23	34.79	56.82	53.09	44.29	88.20	-43.91 peak
2	8663.404	12.04	38.45	55.30	52.35	47.54	88.20	-40.66 peak
3	11012.250	14.23	39.41	53.50	48.55	48.69	74.00	-25.31 peak
4	13390.000	15.97	40.30	54.46	46.31	48.12	74.00	-25.88 peak
5	15488.110	16.88	38.60	54.15	46.70	48.03	74.00	-25.97 peak
6	pp17896.250	18.25	43.08	54.48	44.70	51.55	74.00	-22.45 peak



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11ax_20M_TX_CH_181_Horizontal



Condition: 3m HORIZONTAL

Job No : 03833WM

Mode : 6855 TX RSE

: Wi-Fi 6E 11AX20

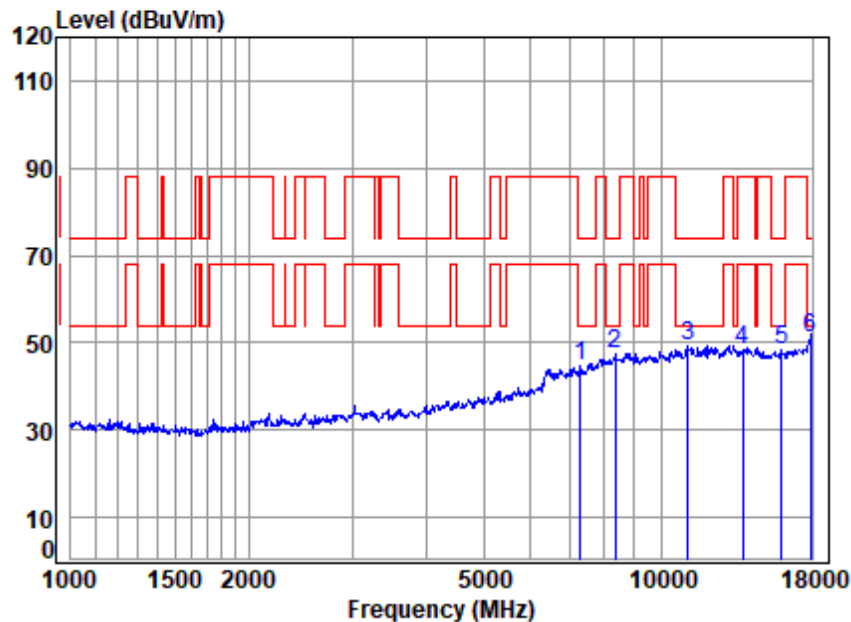
	Cable	Ant	Preamp	Read		Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	7117.542	11.91	36.44	56.61	53.22	44.96	88.20	-43.24 peak
2	8789.516	12.23	38.50	55.19	52.04	47.58	88.20	-40.62 peak
3	11204.900	14.75	39.60	53.56	48.28	49.07	74.00	-24.93 peak
4	13710.000	16.36	39.99	54.43	46.17	48.09	88.20	-40.11 peak
5	15090.400	16.70	38.71	54.27	47.06	48.20	88.20	-40.00 peak
6	pp17896.250	18.25	43.08	54.48	45.01	51.86	74.00	-22.14 peak



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11ax_20M_TX_CH_181_Vertical



Condition: 3m VERTICAL

Job No : 03833WM

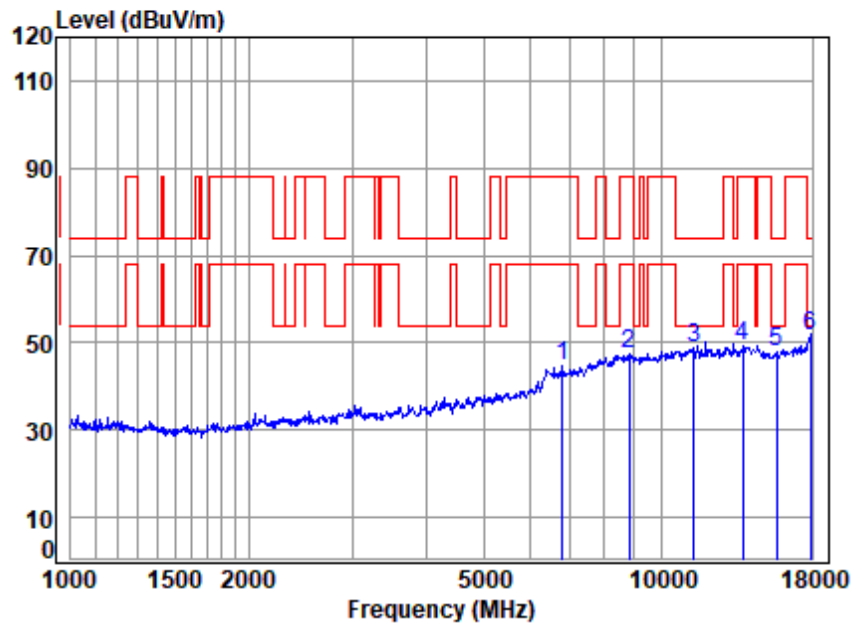
Mode : 6855 TX RSE

: Wi-Fi 6E 11AX20

	Cable	Ant	Preamp	Read		Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	7284.038	11.51	36.67	56.47	52.97	44.68	74.00	-29.32 peak
2	8343.918	11.70	38.60	55.59	52.85	47.56	74.00	-26.44 peak
3	11108.160	14.67	39.51	53.53	48.40	49.05	74.00	-24.95 peak
4	13710.000	16.36	39.99	54.43	46.66	48.58	88.20	-39.62 peak
5	15988.450	17.16	38.61	54.00	46.56	48.33	74.00	-25.67 peak
6	pp17896.250	18.25	43.08	54.48	44.36	51.21	74.00	-22.79 peak



11a_TX_CH_185_Horizontal



Condition: 3m HORIZONTAL

Job No : 03833WM

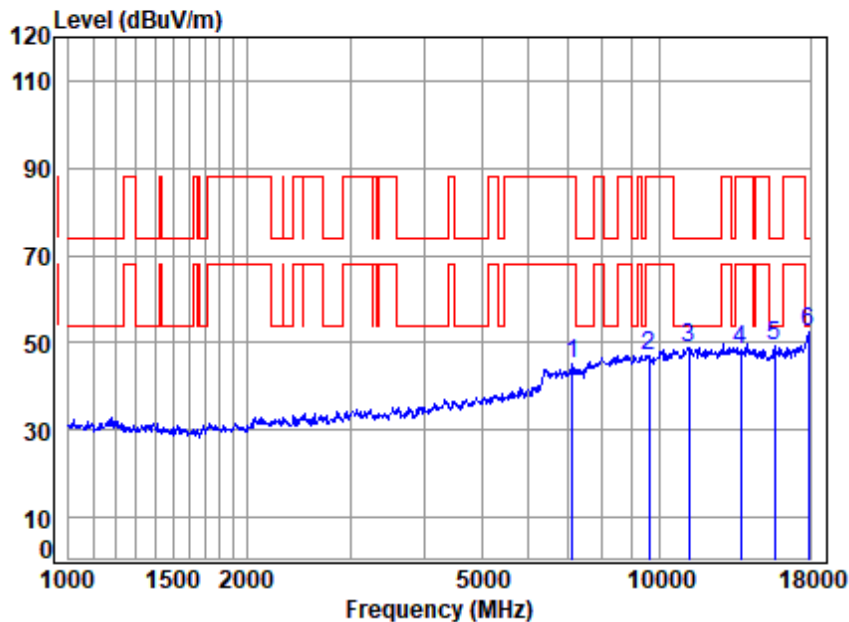
Mode : 6875 TX RSE

: Wi-Fi 6E 11A

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	6795.879	11.37	35.88	56.74	54.14	44.65	88.20	-43.55 peak
2	8814.957	12.25	38.50	55.17	51.93	47.51	88.20	-40.69 peak
3	11368.000	14.35	39.70	53.61	48.51	48.95	74.00	-25.05 peak
4	13750.000	16.18	39.95	54.43	47.59	49.29	88.20	-38.91 peak
5	15668.210	17.24	38.57	54.10	46.32	48.03	74.00	-25.97 peak
6	pp17896.250	18.25	43.08	54.48	44.93	51.78	74.00	-22.22 peak



11a_TX_CH_185_Vertical



Condition: 3m VERTICAL

Job No : 03833WM

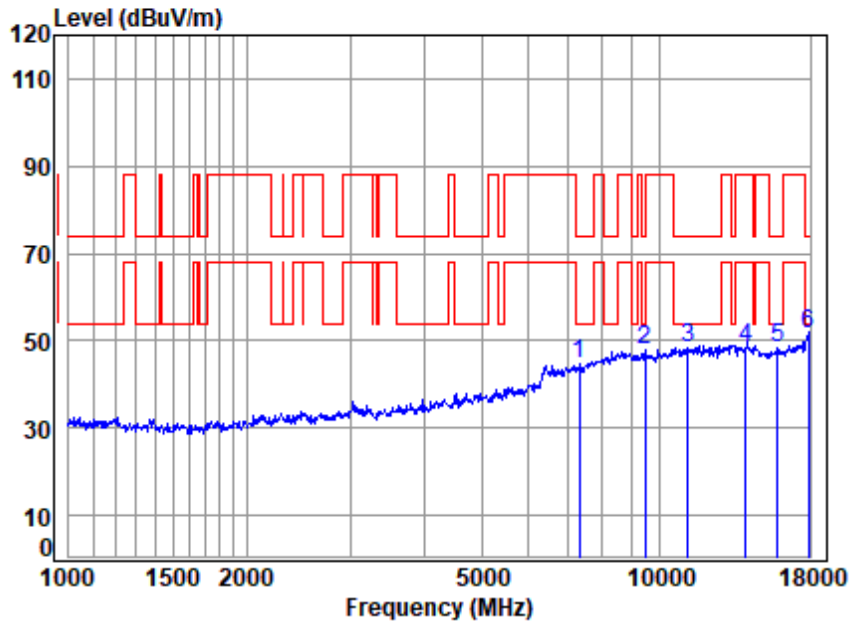
Mode : 6875 TX RSE

: Wi-Fi 6E 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	7138.144	11.81	36.48	56.59	53.39	45.09	88.20	-43.11 peak
2	9613.430	12.47	38.77	54.45	50.43	47.22	88.20	-40.98 peak
3	11204.900	14.75	39.60	53.56	48.00	48.79	74.00	-25.21 peak
4	13750.000	16.18	39.95	54.43	46.47	48.17	88.20	-40.03 peak
5	15668.210	17.24	38.57	54.10	47.38	49.09	74.00	-24.91 peak
6	pp17896.250	18.25	43.08	54.48	45.61	52.46	74.00	-21.54 peak



11a_TX_CH_209_Horizontal



Condition: 3m HORIZONTAL

Job No : 03833WM

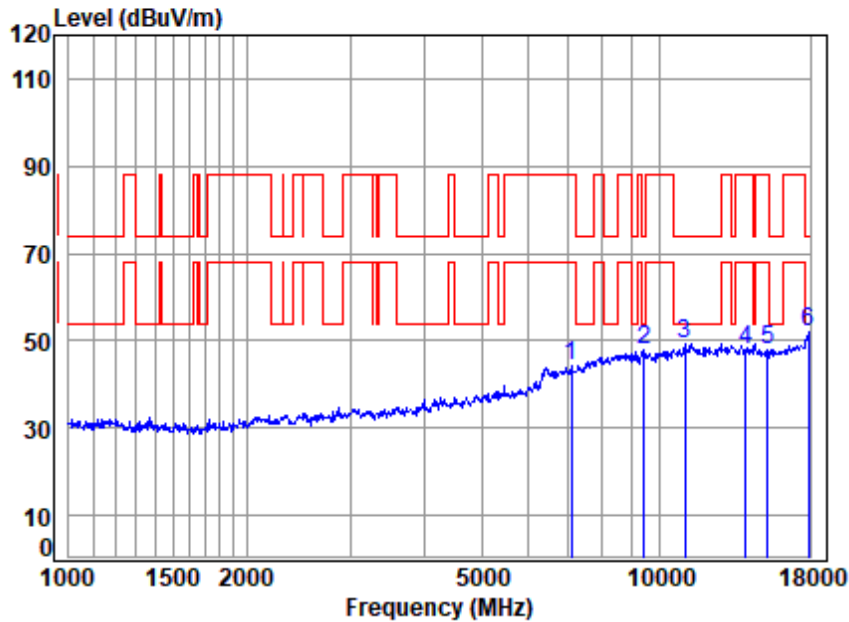
Mode : 6995 TX RSE

: Wi-Fi 6E 11A

	Cable	Ant	Preamp	Read		Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	7326.267	11.51	36.75	56.44	52.92	44.74	74.00	-29.26 peak
2	9448.149	12.43	38.80	54.60	51.24	47.87	74.00	-26.13 peak
3	11172.560	14.73	39.57	53.55	47.45	48.20	74.00	-25.80 peak
4	13990.000	16.42	39.90	54.40	46.38	48.30	88.20	-39.90 peak
5	15850.410	17.16	38.60	54.04	46.46	48.18	74.00	-25.82 peak
6	pp17896.250	18.25	43.08	54.48	44.82	51.67	74.00	-22.33 peak



11a_TX_CH_209_Vertical



Condition: 3m VERTICAL

Job No : 03833WM

Mode : 6995 TX RSE

: Wi-Fi 6E 11A

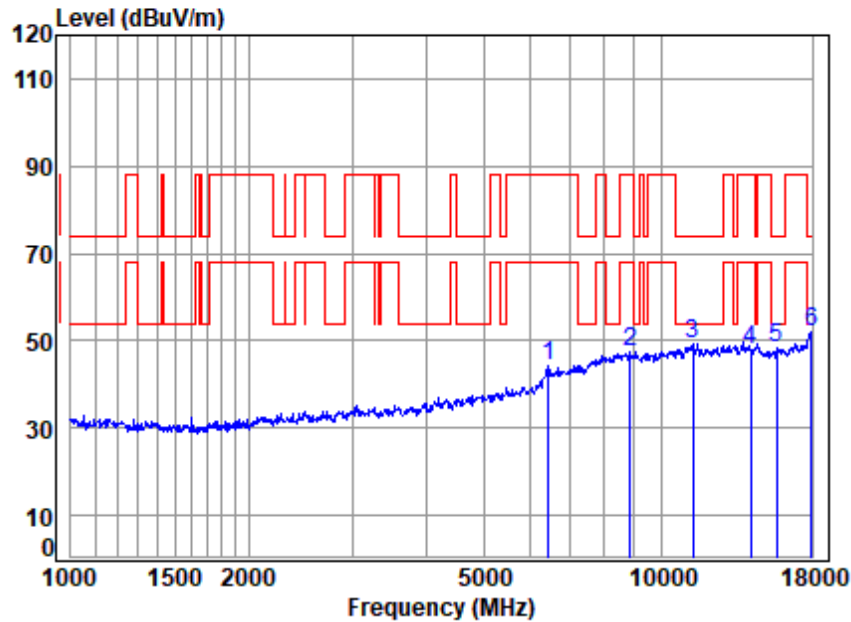
	Cable	Ant	Preamp	Read		Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	7096.999	11.97	36.39	56.62	52.62	44.36	88.20	-43.84 peak
2	9420.880	12.35	38.80	54.62	51.19	47.72	74.00	-26.28 peak
3	11044.130	14.39	39.44	53.51	48.92	49.24	74.00	-24.76 peak
4	13990.000	16.42	39.90	54.40	45.82	47.74	88.20	-40.46 peak
5	15265.880	16.85	38.73	54.22	46.73	48.09	88.20	-40.11 peak
6	pp17896.250	18.25	43.08	54.48	45.13	51.98	74.00	-22.02 peak



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11a_TX_CH_229_Horizontal



Condition: 3m HORIZONTAL

Job No : 03833WM

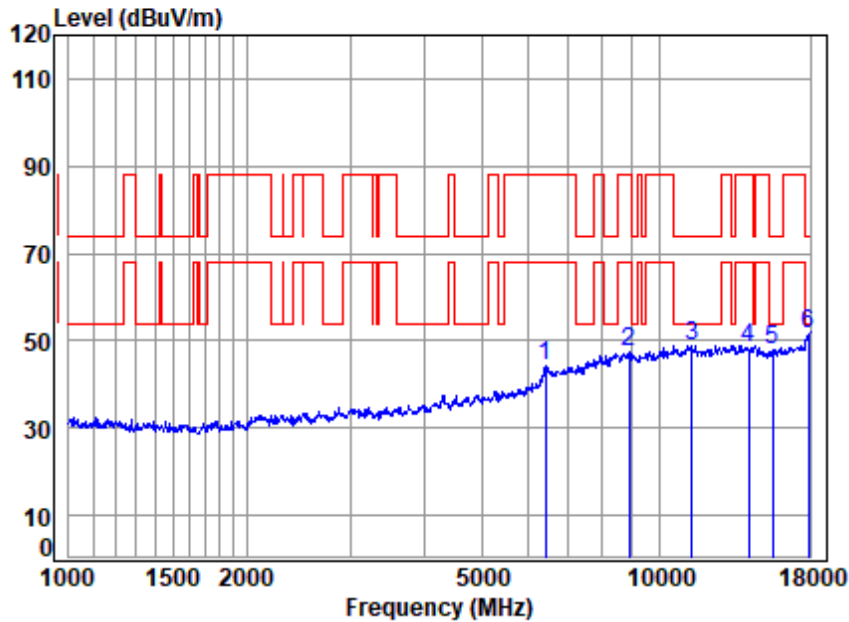
Mode : 7095 TX RSE

: Wi-Fi 6E 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	6432.732	12.79	34.80	56.81	53.30	44.08	88.20	-44.12 Peak
2	8866.062	12.23	38.53	55.12	51.77	47.41	88.20	-40.79 peak
3	11302.480	14.63	39.70	53.59	48.46	49.20	74.00	-24.80 peak
4	14190.000	15.99	39.81	54.38	46.69	48.11	88.20	-40.09 peak
5	15668.210	17.24	38.57	54.10	46.53	48.24	74.00	-25.76 peak
6	pp17948.050	18.30	43.44	54.49	44.85	52.10	74.00	-21.90 peak



11a_TX_CH_229_Vertical



Condition: 3m VERTICAL

Job No : 03833WM

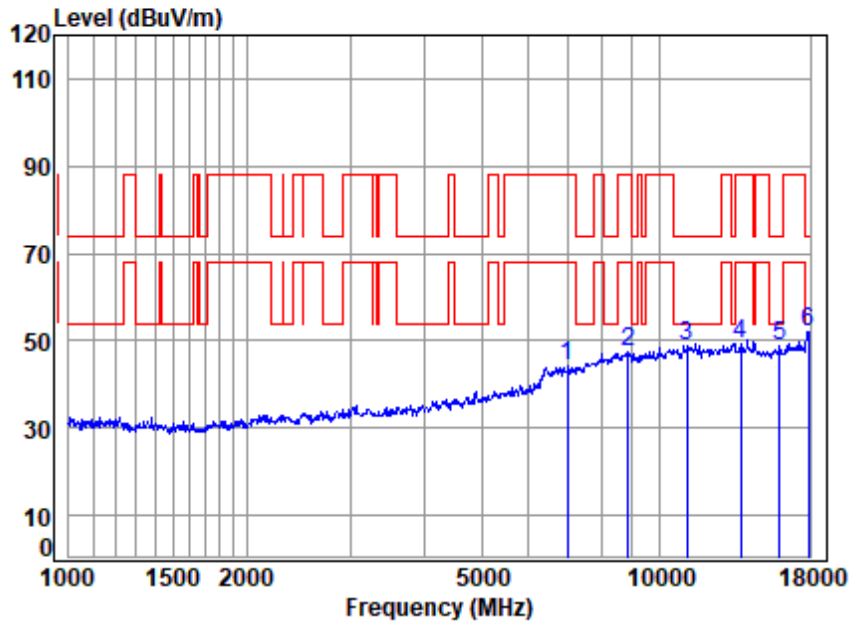
Mode : 7095 TX RSE

: Wi-Fi 6E 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	6414.167	13.10	34.80	56.82	53.20	44.28	88.20	-43.92 Peak
2	8891.725	12.22	38.58	55.10	51.58	47.28	88.20	-40.92 peak
3	11335.190	14.49	39.70	53.60	48.16	48.75	74.00	-25.25 peak
4	14190.000	15.99	39.81	54.38	46.99	48.41	88.20	-39.79 peak
5	15532.940	16.98	38.57	54.14	46.68	48.09	74.00	-25.91 peak
6	pp17896.250	18.25	43.08	54.48	44.54	51.39	74.00	-22.61 peak



11ax_20M_TX_CH_185_Horizontal



Condition: 3m HORIZONTAL

Job No : 03833WM

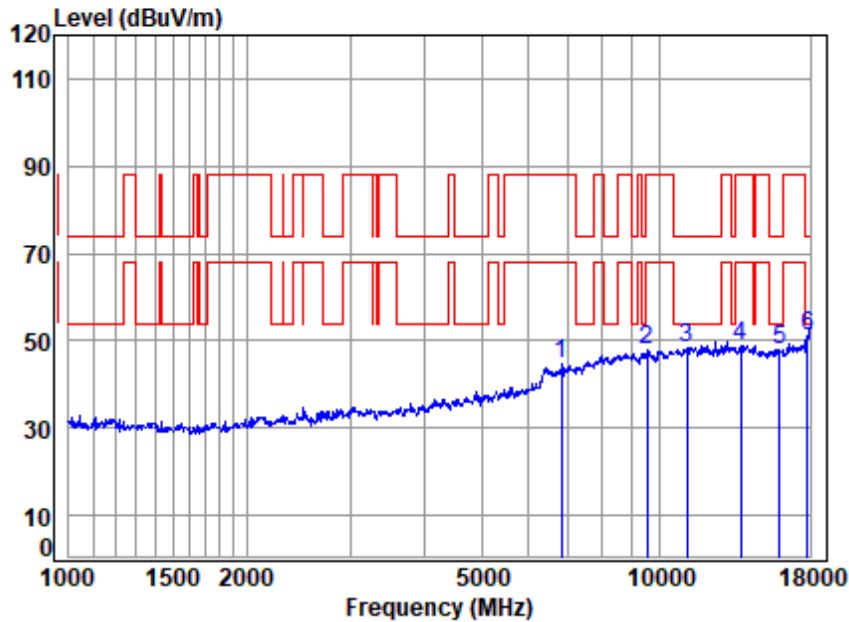
Mode : 6875 TX RSE

: Wi-Fi 6E 11AX20

	Cable	Ant	Preamp	Read		Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	6995.172	11.37	36.19	56.70	53.19	44.05	88.20	-44.15 peak
2	8840.473	12.24	38.50	55.14	51.64	47.24	88.20	-40.96 peak
3	11140.310	14.70	39.54	53.54	48.27	48.97	74.00	-25.03 peak
4	13750.000	16.18	39.95	54.43	47.64	49.34	88.20	-38.86 peak
5	15988.450	17.16	38.61	54.00	47.03	48.80	74.00	-25.20 peak
6	pp17896.250	18.25	43.08	54.48	45.11	51.96	74.00	-22.04 peak



11ax_20M_TX_CH_185_Vertical



Condition: 3m VERTICAL

Job No : 03833WM

Mode : 6875 TX RSE

: Wi-Fi 6E 11AX20

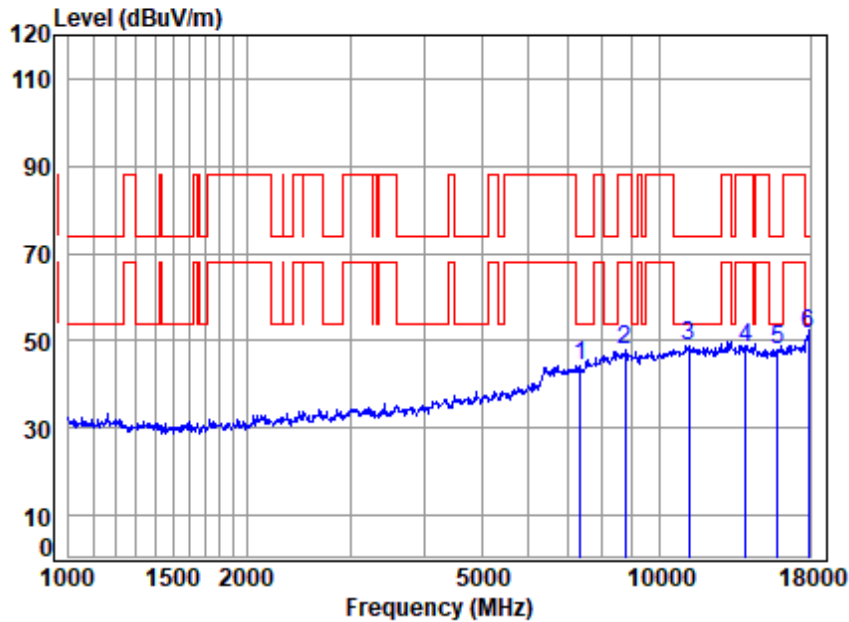
	Cable	Ant	Preamp	Read		Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	6815.551	11.37	35.93	56.74	54.07	44.63	88.20	-43.57 peak
2	9530.432	12.52	38.84	54.52	51.15	47.99	88.20	-40.21 peak
3	11140.310	14.70	39.54	53.54	47.78	48.48	74.00	-25.52 peak
4	13750.000	16.18	39.95	54.43	47.26	48.96	88.20	-39.24 peak
5	15988.450	17.16	38.61	54.00	46.12	47.89	74.00	-26.11 peak
6	pp17844.590	18.21	42.77	54.47	44.70	51.21	74.00	-22.79 peak



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11ax_20M_TX_CH_209_Horizontal



Condition: 3m HORIZONTAL

Job No : 03833WM

Mode : 6995 TX RSE

: Wi-Fi 6E 11AX20

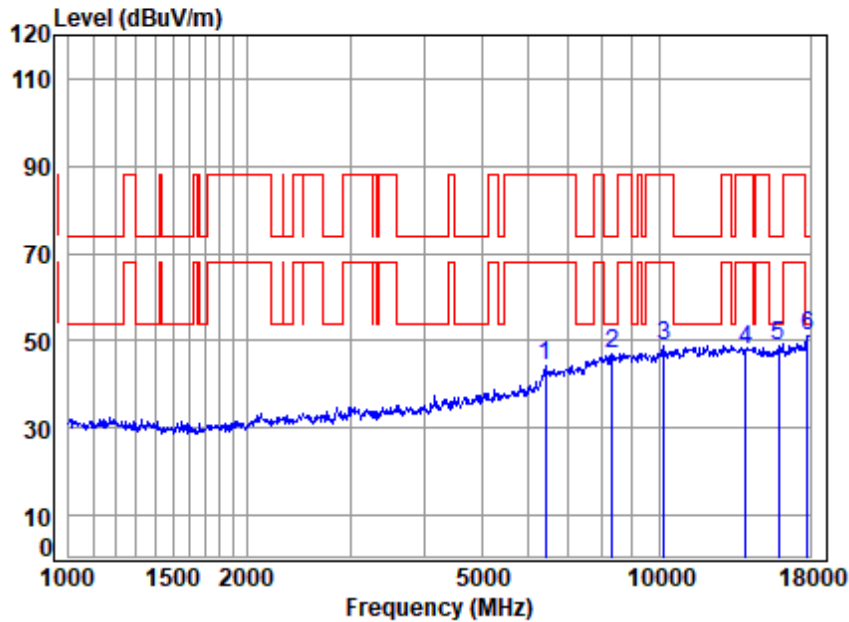
	Cable	Ant	Preamp	Read		Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	7347.474	11.51	36.79	56.42	52.39	44.27	74.00	-29.73 peak
2	8738.852	12.15	38.52	55.24	52.53	47.96	88.20	-40.24 peak
3	11204.900	14.75	39.60	53.56	48.19	48.98	74.00	-25.02 peak
4	13990.000	16.42	39.90	54.40	46.54	48.46	88.20	-39.74 peak
5	15850.410	17.16	38.60	54.04	46.38	48.10	74.00	-25.90 peak
6	pp17896.250	18.25	43.08	54.48	44.64	51.49	74.00	-22.51 peak



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11ax_20M_TX_CH_209_Vertical



Condition: 3m VERTICAL

Job No : 03833WM

Mode : 6995 TX RSE

: Wi-Fi 6E 11AX20

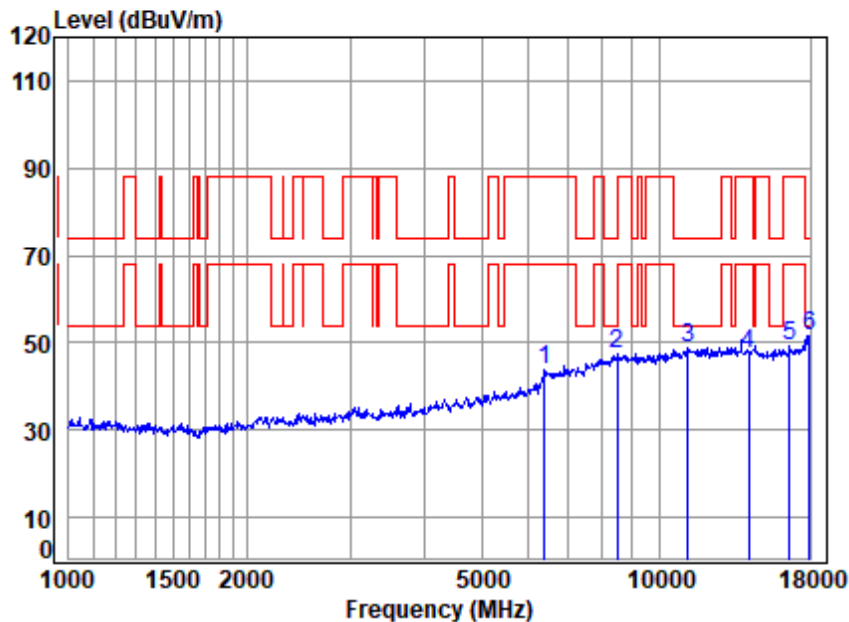
	Cable	Ant	Preamp	Read		Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	6414.167	13.10	34.80	56.82	53.22	44.30	88.20	-43.90 peak
2	8319.836	11.73	38.22	55.61	52.51	46.85	74.00	-27.15 Peak
3	10185.530	13.12	39.10	53.99	50.64	48.87	88.20	-39.33 peak
4	13990.000	16.42	39.90	54.40	46.15	48.07	88.20	-40.13 peak
5	15896.290	17.27	38.69	54.03	46.90	48.83	74.00	-25.17 peak
6	pp17793.090	18.18	42.45	54.46	45.03	51.20	74.00	-22.80 peak



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11ax_20M_TX_CH_229_Horizontal



Condition: 3m HORIZONTAL

Job No : 03833WM

Mode : 7095 TX RSE

: Wi-Fi 6E 11AX20

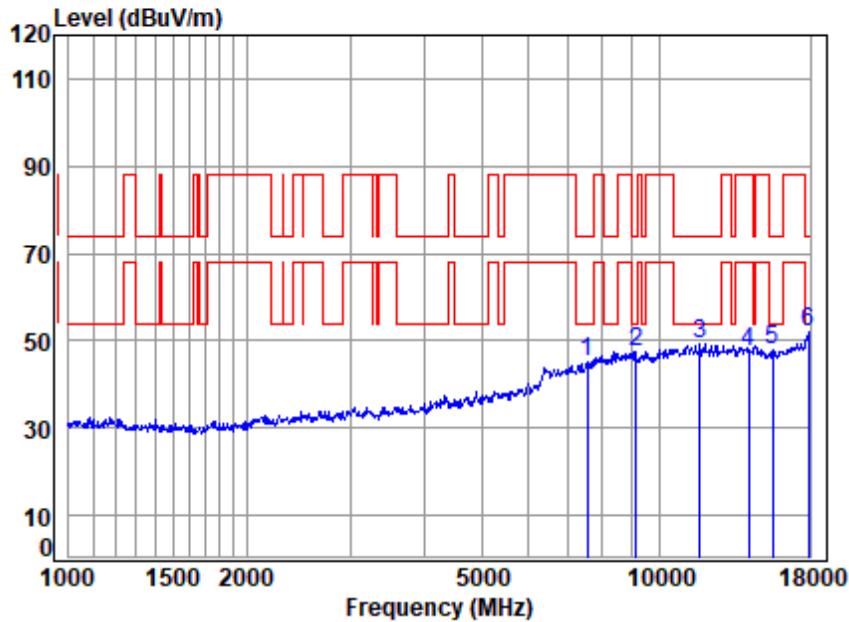
	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	6395.654	13.23	34.79	56.82	52.83	44.03	88.20	-44.17 Peak
2	8489.882	12.24	38.32	55.46	52.42	47.52	74.00	-26.48 Peak
3	11172.560	14.73	39.57	53.55	47.85	48.60	74.00	-25.40 Peak
4	14190.000	15.99	39.81	54.38	46.15	47.57	88.20	-40.63 Peak
5	16600.640	17.65	39.20	54.18	46.42	49.09	88.20	-39.11 Peak
6	pp17948.050	18.30	43.44	54.49	44.32	51.57	74.00	-22.43 Peak



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

11ax_20M_TX_CH_229_Vertical



Condition: 3m VERTICAL

Job No : 03833WM

Mode : 7095 TX RSE

: Wi-Fi 6E 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	7562.942	11.14	36.80	56.25	53.52	45.21	74.00	-28.79 Peak
2	9126.063	12.17	38.65	54.89	51.53	47.46	74.00	-26.54 Peak
3	11735.250	14.68	39.54	53.72	48.70	49.20	74.00	-24.80 Peak
4	14190.000	15.99	39.81	54.38	46.20	47.62	88.20	-40.58 Peak
5	15577.900	17.11	38.52	54.13	46.36	47.86	74.00	-26.14 Peak
6	pp17896.250	18.25	43.08	54.48	45.31	52.16	74.00	-21.84 Peak



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7.4 Radiated Emissions which fall in the restricted bands

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

Test Method: ANSI C63.10 (2020) Section 6.10.5

Measurement Distance: 3m

7.4.1 E.U.T. Operation

Operating Environment:

Temperature: 22.4 °C

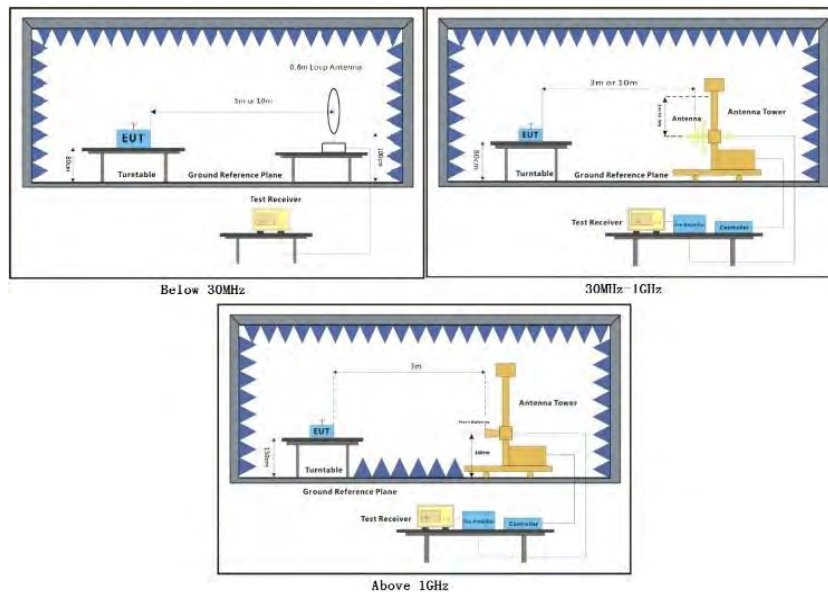
Humidity: 53.0 % RH

Atmospheric Pressure: 1020 mbar

7.4.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	10	TX mode (U-NII-5) _Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.
Pre-scan	11	TX mode (U-NII-6) _Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.
Pre-scan	12	TX mode (U-NII-7) _Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.
Final test	13	TX mode (U-NII-8) _Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.

7.4.3 Test Setup Diagram



7.4.4 Measurement Procedure and Data

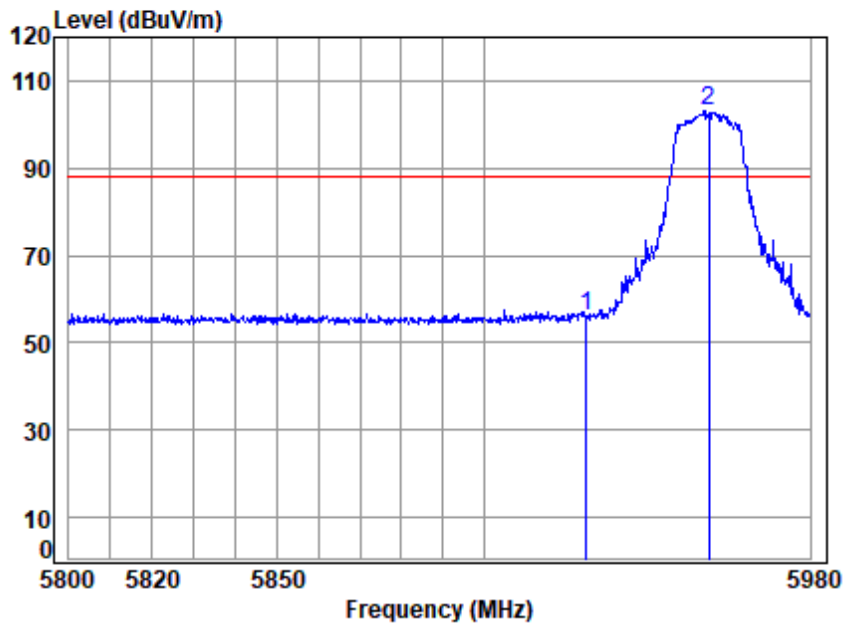
- a. For below 1GHz, the EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 or 10 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. For above 1GHz, the EUT was placed on the top of a rotating table 1.5 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.

11a_TX_CH_001_Horizontal



Condition: 3m HORIZONTAL

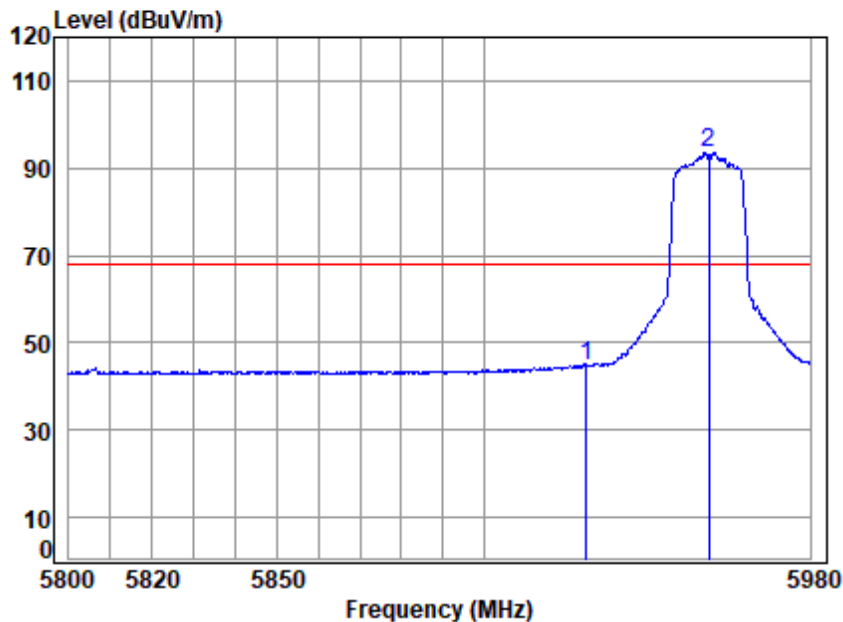
Job No : 03833WM

Mode : 5955 Band edge
: Wi-Fi 6E 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	5925.000	10.87	33.55	30.53	42.20	56.09	88.20	-32.11	peak
2 pp	5955.000	10.85	33.62	30.52	89.13	103.08	88.20	14.88	peak



11a_TX_CH_001_Horizontal



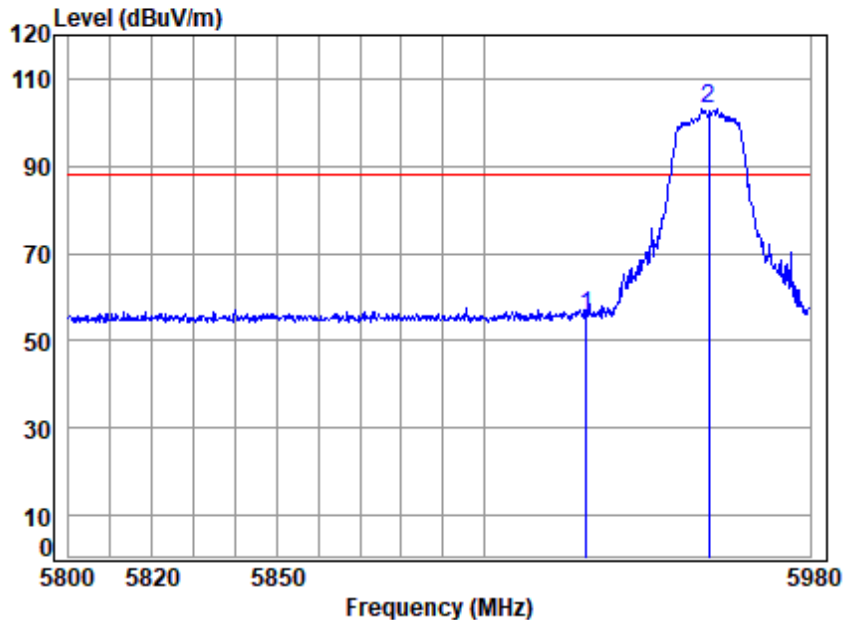
Condition: 3m HORIZONTAL

Job No : 03833WM

Mode : 5955 Band edge
: Wi-Fi 6E 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	5925.000	10.87	33.55	30.53	30.79	44.68	68.20	-23.52	Average
2 pp	5955.000	10.85	33.62	30.52	79.61	93.56	68.20	25.36	Average

11a_TX_CH_001_Vertical



Condition: 3m VERTICAL

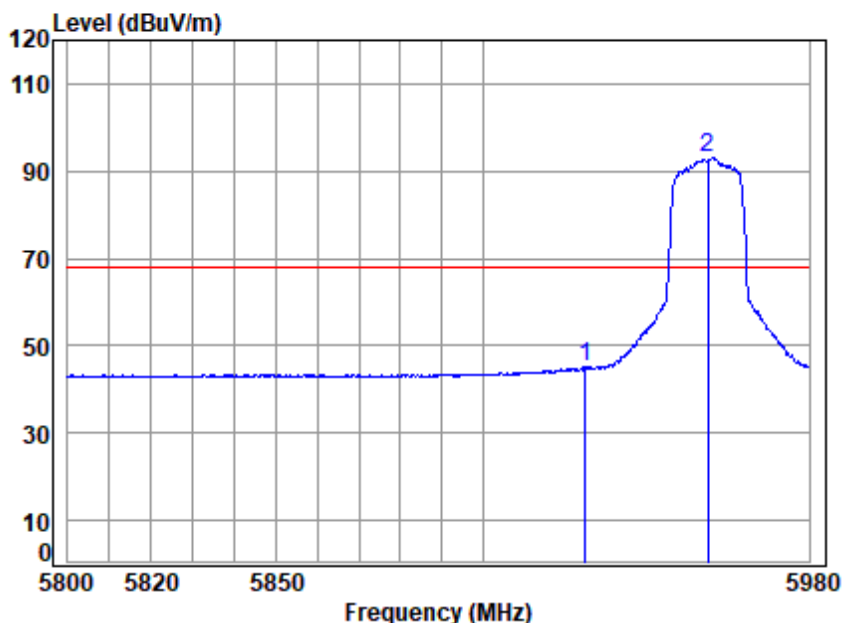
Job No : 03833WM

Mode : 5955 Band edge
: Wi-Fi 6E 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	5925.000	10.87	33.55	30.53	41.67	55.56	88.20	-32.64	peak
2 pp	5955.000	10.85	33.62	30.52	89.14	103.09	88.20	14.89	peak



11a_TX_CH_001_Vertical



Condition: 3m VERTICAL

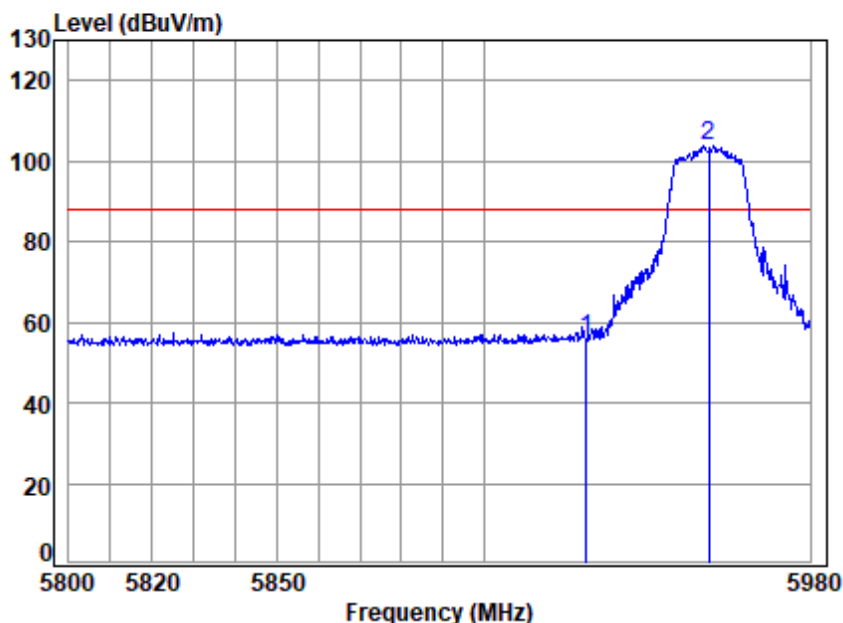
Job No : 03833WM

Mode : 5955 Band edge

: Wi-Fi 6E 11A

		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5925.000	10.87	33.55	30.53	31.07	44.96	68.20	-23.24 Average
2 pp	5955.000	10.85	33.62	30.52	79.04	92.99	68.20	24.79 Average

11ax_20M_TX_CH_001_Horizontal



Condition: 3m HORIZONTAL

Job No : 03833WM

Mode : 5955 Band edge

: Wi-Fi 6E 11AX20

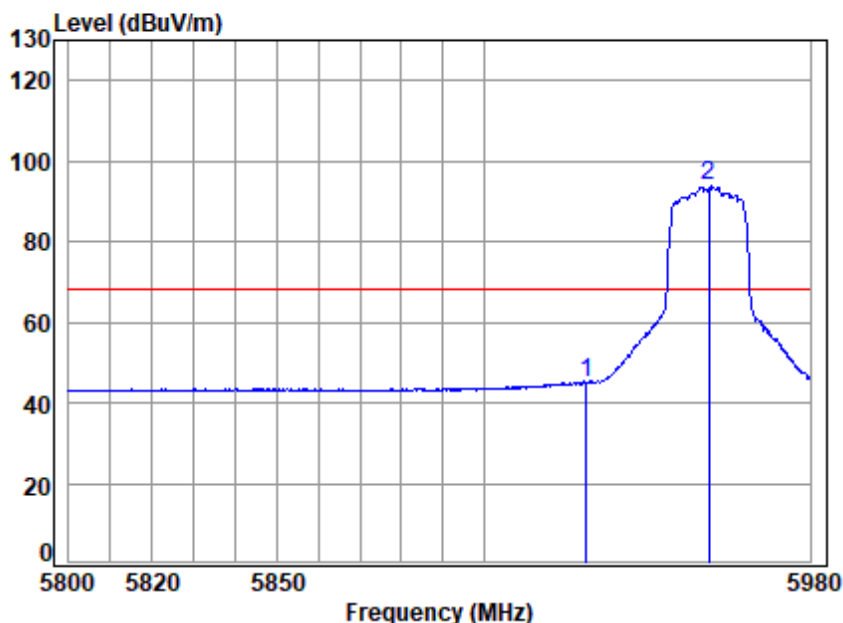
		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5925.000	10.87	33.55	30.53	42.10	55.99	88.20	-32.21	peak
2 pp	5955.000	10.85	33.62	30.52	90.08	104.03	88.20	15.83	peak



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11ax_20M_TX_CH_001_Horizontal



Condition: 3m HORIZONTAL

Job No : 03833WM

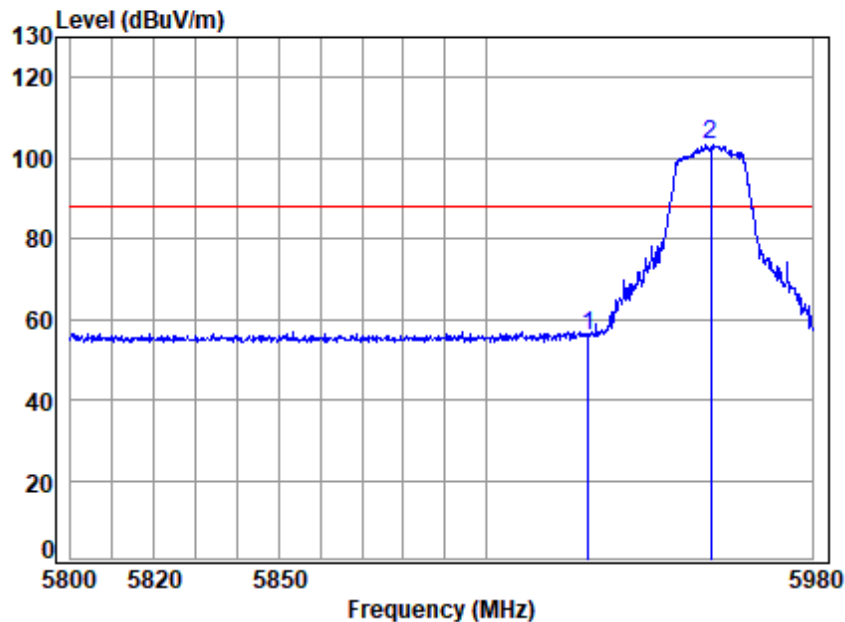
Mode : 5955 Band edge

: Wi-Fi 6E 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	5925.000	10.87	33.55	30.53	31.14	45.03	68.20	-23.17	Average
2 pp	5955.000	10.85	33.62	30.52	79.76	93.71	68.20	25.51	Average



11ax_20M_TX_CH_001_Vertical



Condition: 3m VERTICAL

Job No : 03833WM

Mode : 5955 Band edge

: Wi-Fi 6E 11AX20

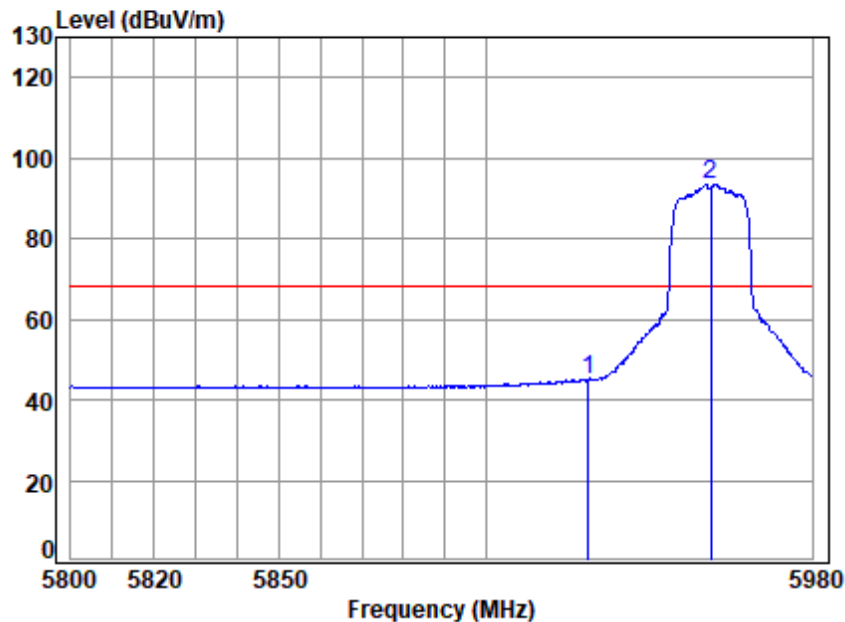
		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5925.000	10.87	33.55	30.53	42.14	56.03	88.20	-32.17 peak
2 pp	5955.000	10.85	33.62	30.52	89.57	103.52	88.20	15.32 peak



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11ax_20M_TX_CH_001_Vertical



Condition: 3m VERTICAL

Job No : 03833WM

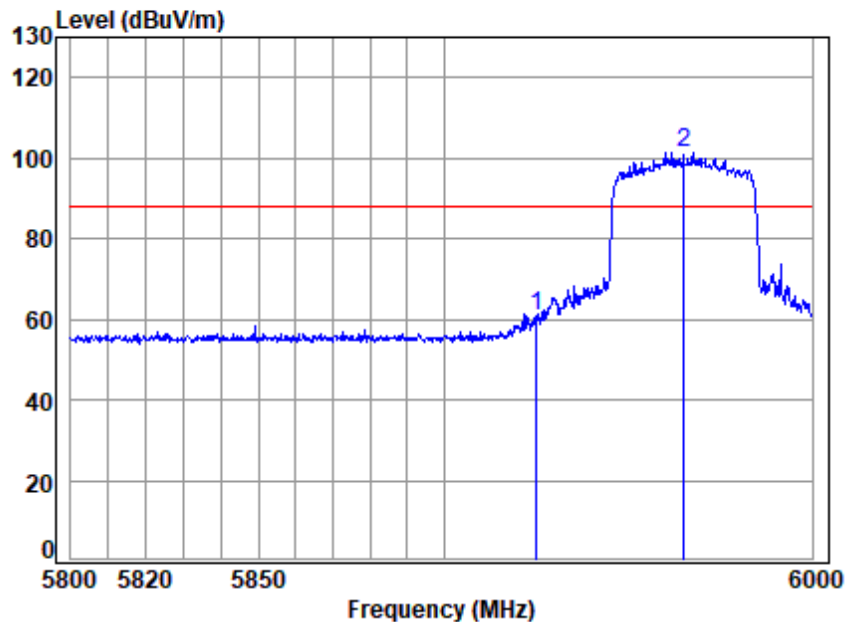
Mode : 5955 Band edge

: Wi-Fi 6E 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	5925.000	10.87	33.55	30.53	31.06	44.95	68.20	-23.25	Average
2 pp	5955.000	10.85	33.62	30.52	79.69	93.64	68.20	25.44	Average



11ax_40M_TX_CH_003_Horizontal



Condition: 3m HORIZONTAL

Job No : 03833WM

Mode : 5965 Band edge

: Wi-Fi 6E 11AX40

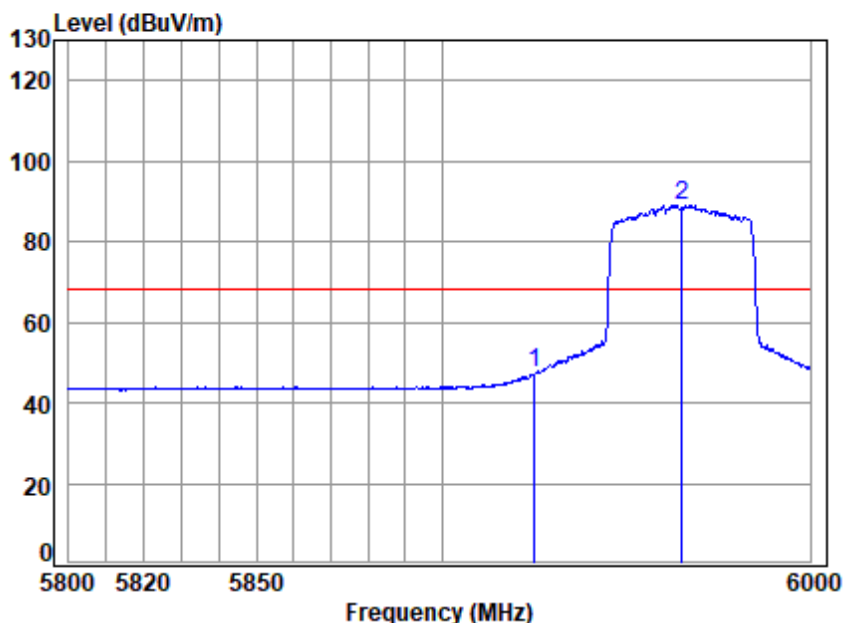
		Cable	Ant	Preamp	Read		Limit	Over	
Freq	Loss	Factor	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5925.000	10.87	33.55	30.53	46.75	60.64	88.20	-27.56	peak
2	5965.000	10.84	33.66	30.51	87.34	101.33	88.20	13.13	peak



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11ax_40M_TX_CH_003_Horizontal



Condition: 3m HORIZONTAL

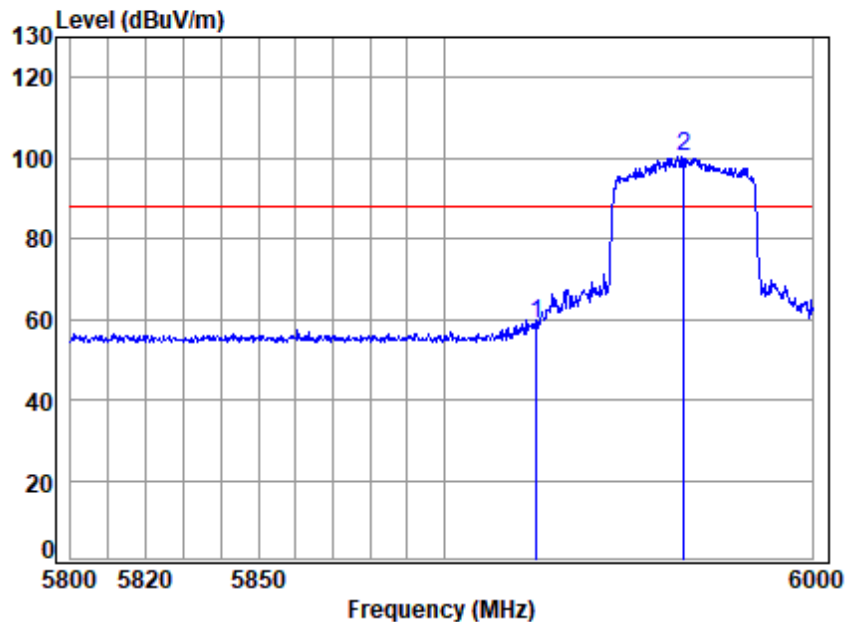
Job No : 03833WM

Mode : 5965 Band edge

: Wi-Fi 6E 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	5925.000	10.87	33.55	30.53	33.48	47.37	68.20	-20.83	Average
2 pp	5965.000	10.84	33.66	30.51	75.20	89.19	68.20	20.99	Average

11ax_40M_TX_CH_003_Vertical



Condition: 3m VERTICAL

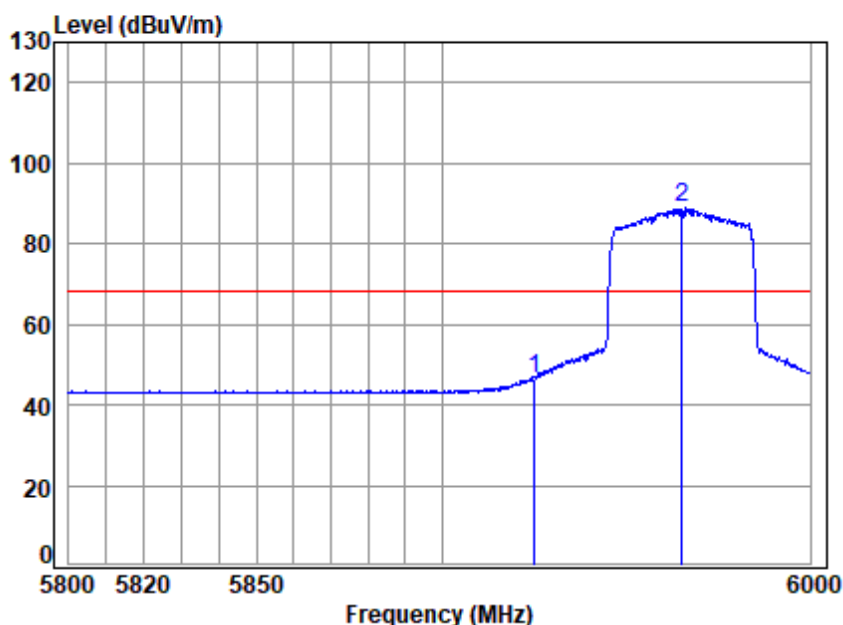
Job No : 03833WM

Mode : 5965 Band edge
: Wi-Fi 6E 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	5925.000	10.87	33.55	30.53	44.94	58.83	88.20	-29.37	peak
2 pp	5965.000	10.84	33.66	30.51	86.51	100.50	88.20	12.30	peak



11ax_40M_TX_CH_003_Vertical



Condition: 3m VERTICAL

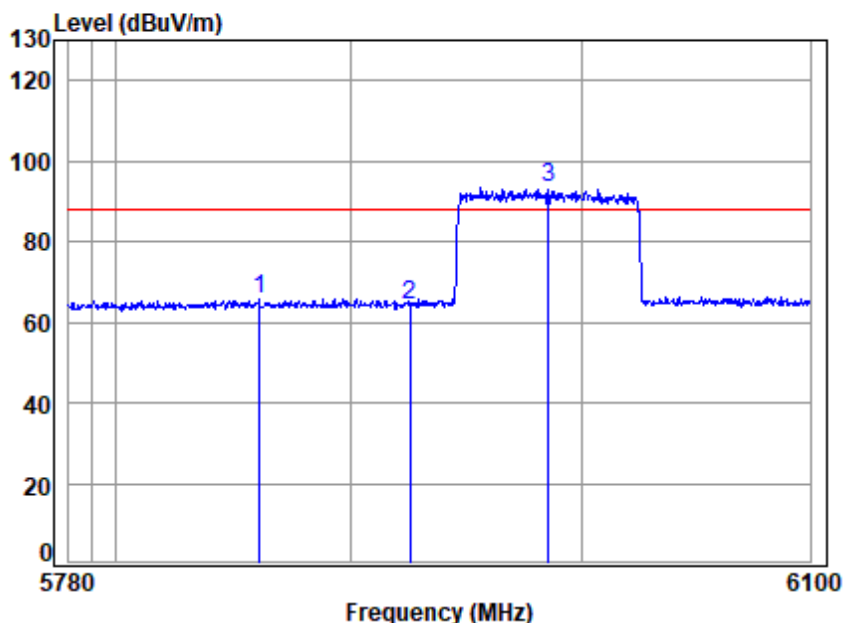
Job No : 03833WM

Mode : 5965 Band edge

: Wi-Fi 6E 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	5925.000	10.87	33.55	30.53	32.59	46.48	68.20	-21.72 Average
2	pp 5965.000	10.84	33.66	30.51	74.78	88.77	68.20	20.57 Average

11ax_80M_TX_CH_007_Horizontal



Condition: 3m HORIZONTAL

Job No : 03833WM

Mode : 5985 Band edge

: Wi-Fi 6E 11AX80

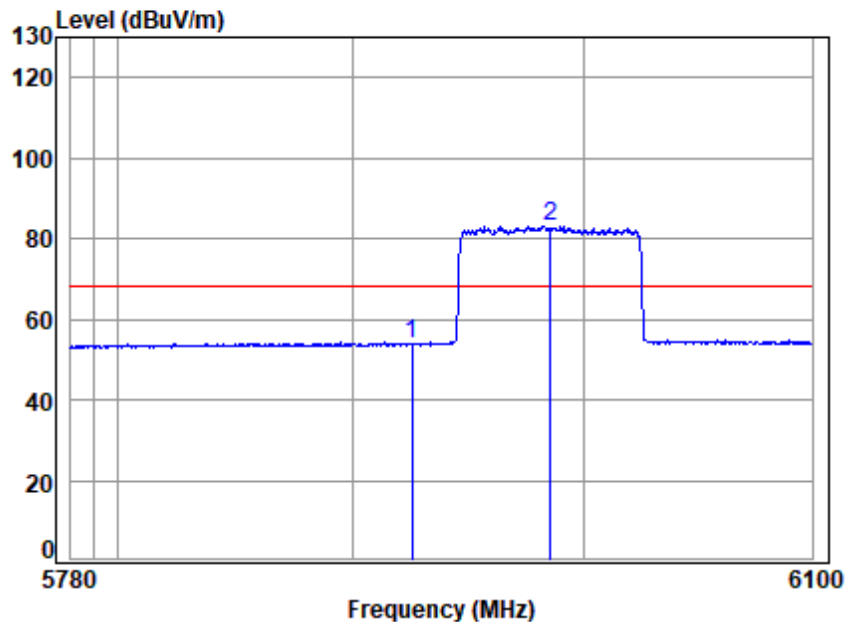
		Cable	Ant	Preamp	Read		Limit	Over	
Freq	Loss	Factor	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5860.601	10.94	33.58	30.56	51.69	65.65	88.20	-22.55	Peak
2	5925.000	10.87	33.55	30.53	50.31	64.20	88.20	-24.00	peak
3 pp	5985.000	10.82	33.74	30.51	79.49	93.54	88.20	5.34	peak



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11ax_80M_TX_CH_007_Horizontal



Condition: 3m HORIZONTAL

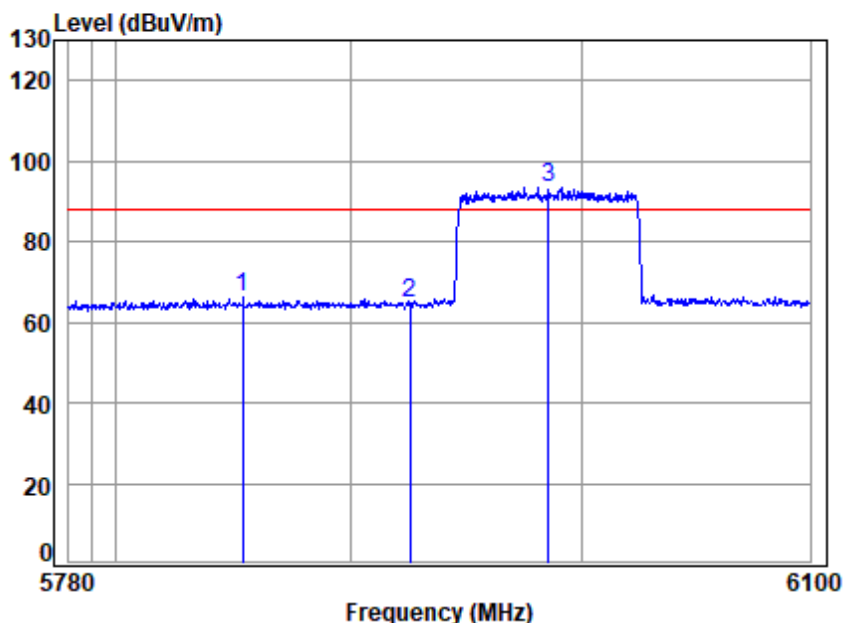
Job No : 03833WM

Mode : 5985 Band edge

: Wi-Fi 6E 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	5925.000	10.87	33.55	30.53	40.15	54.04	68.20	-14.16 Average
2	pp 5985.000	10.82	33.74	30.51	69.24	83.29	68.20	15.09 Average

11ax_80M_TX_CH_007_Verical



Condition: 3m VERTICAL

Job No : 03833WM

Mode : 5985 Band edge

: Wi-Fi 6E 11AX80

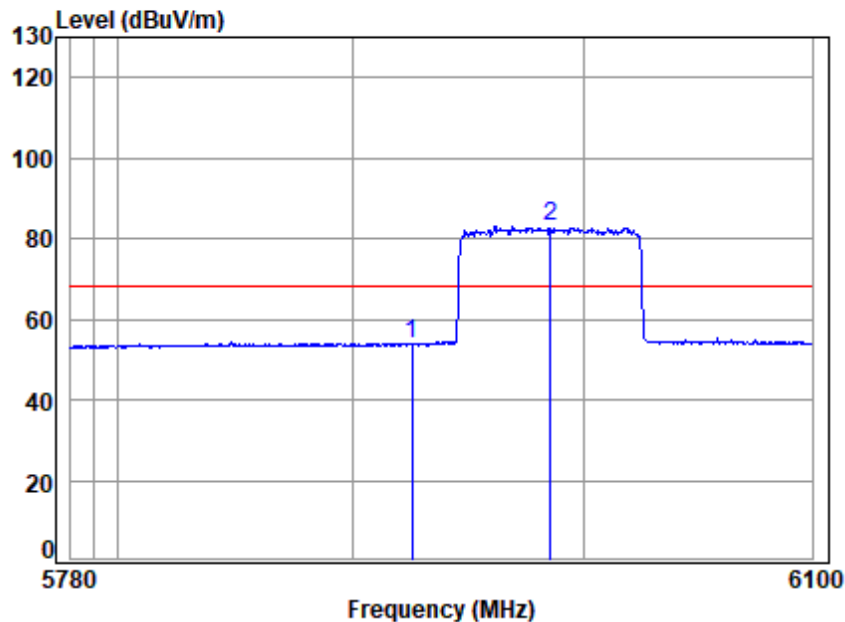
		Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB
1	5853.658	10.95	33.59	30.56	52.39	66.37	88.20	-21.83 Peak
2	5925.000	10.87	33.55	30.53	51.00	64.89	88.20	-23.31 peak
3 pp	5985.000	10.82	33.74	30.51	79.55	93.60	88.20	5.40 peak



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11ax_80M_TX_CH_007_Verical



Condition: 3m VERTICAL

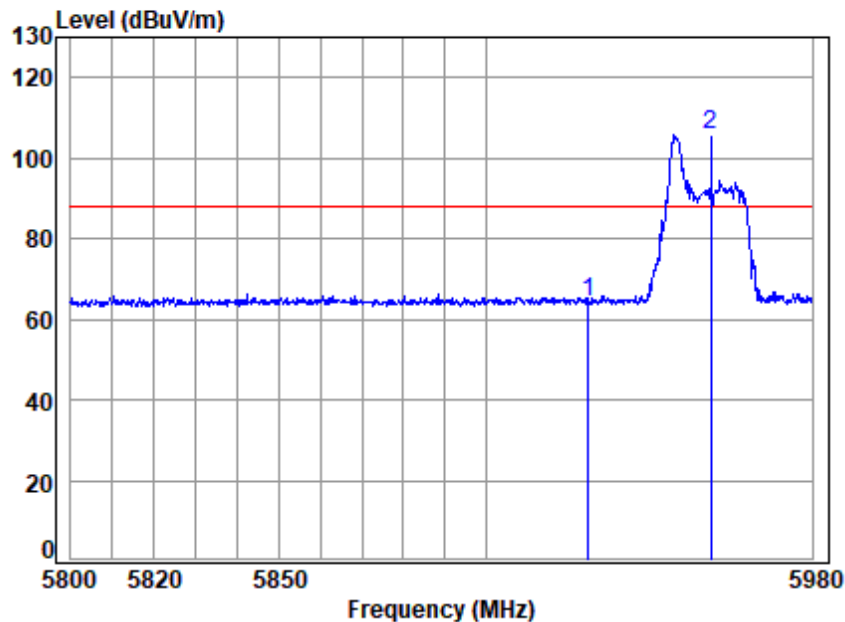
Job No : 03833WM

Mode : 5985 Band edge

: Wi-Fi 6E 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	5925.000	10.87	33.55	30.53	40.01	53.90	68.20	-14.30 Average
2	pp 5985.000	10.82	33.74	30.51	68.95	83.00	68.20	14.80 Average

11ax_20M_Partial_RU26_TX_CH_001_Horizontal



Condition: 3m HORIZONTAL

Job No : 03833WM

Mode : 5955 Band edge

: Wi-Fi 6E 11AX20 RU26

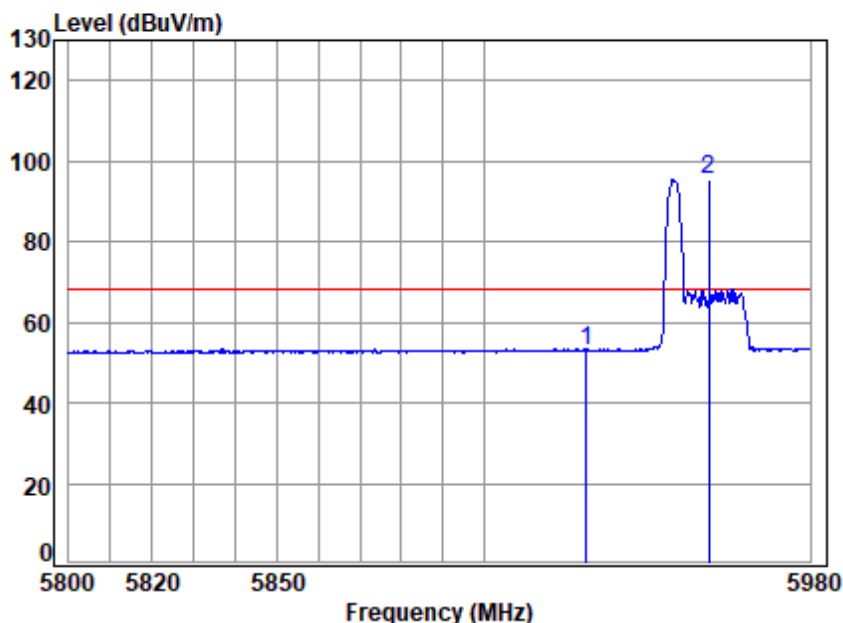
		Cable	Ant	Preamp	Read		Limit	Over	
Freq	Loss	Factor	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5925.000	10.87	33.55	30.53	50.45	64.34	88.20	-23.86	peak
2	pp 5955.000	10.85	33.62	30.52	91.91	105.86	88.20	17.66	peak



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11ax_20M_Partial_RU26_TX_CH_001_Horizontal



Condition: 3m HORIZONTAL

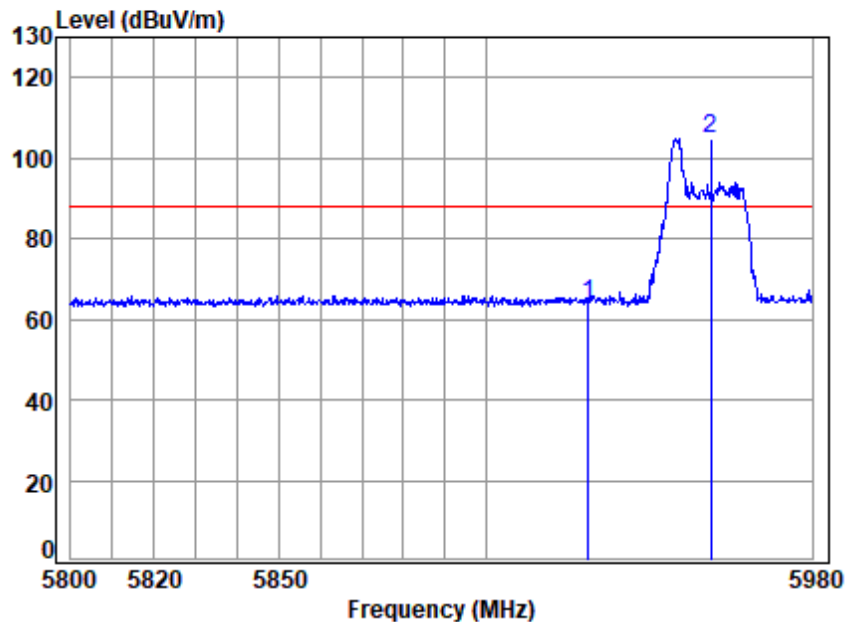
Job No : 03833WM

Mode : 5955 Band edge

: Wi-Fi 6E 11AX20 RU26

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5925.000	10.87	33.55	30.53	39.01	52.90	68.20	-15.30	Average
2 pp	5955.000	10.85	33.62	30.52	81.35	95.30	68.20	27.10	Average

11ax_20M_Partial_RU26_TX_CH_001_Vertical



Condition: 3m VERTICAL

Job No : 03833WM

Mode : 5955 Band edge

: Wi-Fi 6E 11AX20 RU26

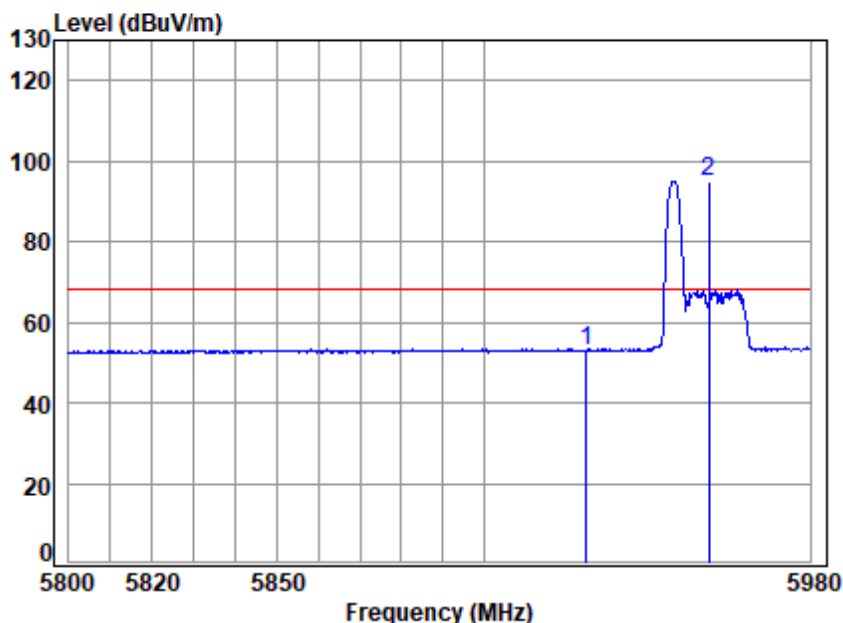
		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5925.000	10.87	33.55	30.53	49.84	63.73	88.20	-24.47	peak
2 pp	5955.000	10.85	33.62	30.52	90.82	104.77	88.20	16.57	peak



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11ax_20M_Partial_RU26_TX_CH_001_Vertical



Condition: 3m VERTICAL

Job No : 03833WM

Mode : 5955 Band edge

: Wi-Fi 6E 11AX20 RU26

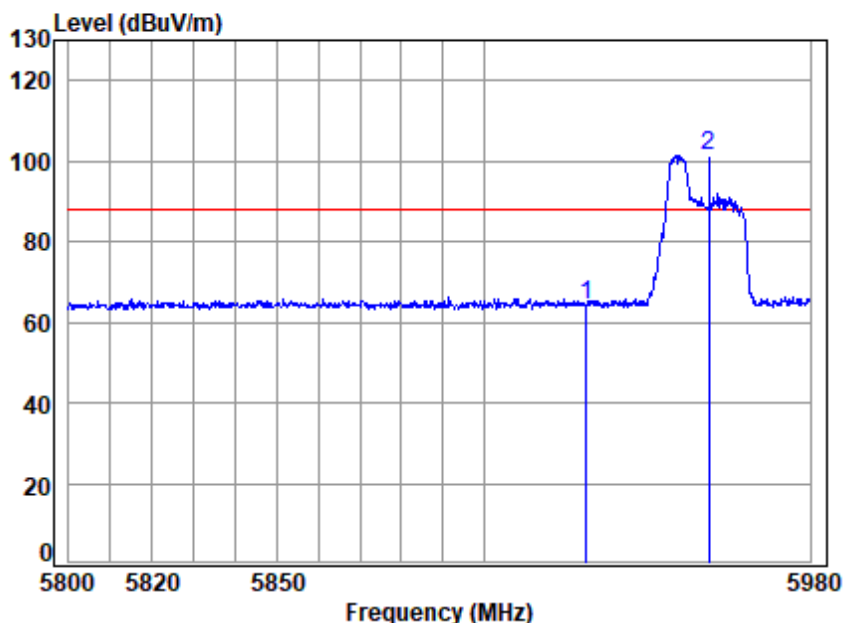
		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5925.000	10.87	33.55	30.53	39.10	52.99	68.20	-15.21	Average
2 pp	5955.000	10.85	33.62	30.52	80.99	94.94	68.20	26.74	Average



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11ax_20M_Partial_RU52_TX_CH_001_Horizontal



Condition: 3m HORIZONTAL

Job No : 03833WM

Mode : 5955 Band edge

: Wi-Fi 6E 11AX20 RU52

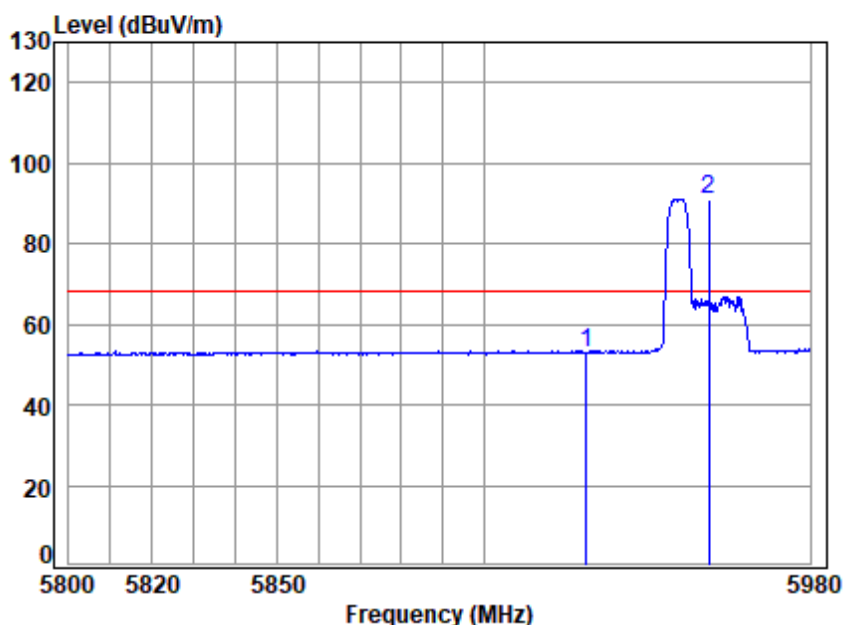
	Cable	Ant	Preamp	Read		Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
5925.000	10.87	33.55	30.53	50.56	64.45	88.20	-23.75	peak
5955.000	10.85	33.62	30.52	87.61	101.56	88.20	13.36	peak



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11ax_20M_Partial_RU52_TX_CH_001_Horizontal



Condition: 3m HORIZONTAL

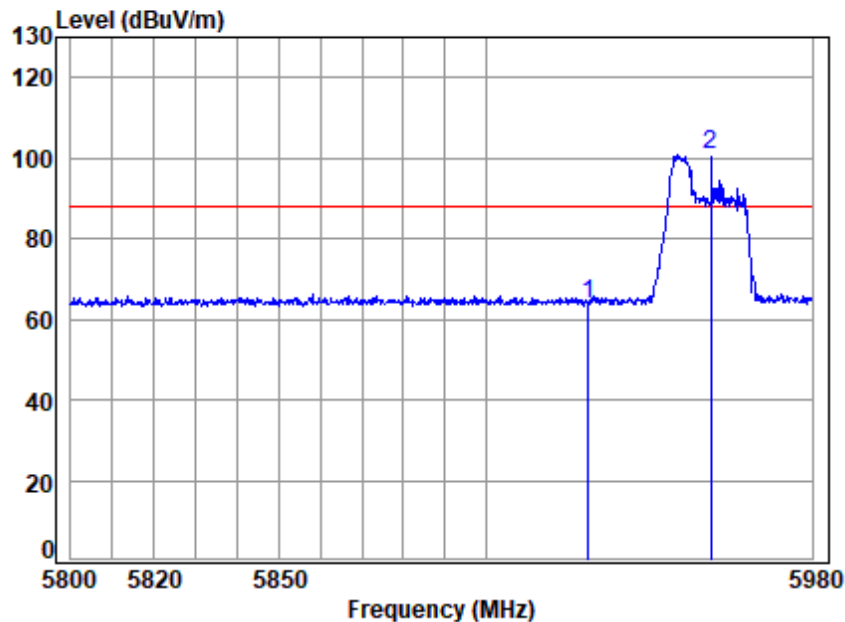
Job No : 03833WM

Mode : 5955 Band edge

: Wi-Fi 6E 11AX20 RU52

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5925.000	10.87	33.55	30.53	38.97	52.86	68.20	-15.34	Average
2 pp	5955.000	10.85	33.62	30.52	77.07	91.02	68.20	22.82	Average

11ax_20M_Partial_RU52_TX_CH_001_Vertical



Condition: 3m VERTICAL

Job No : 03833WM

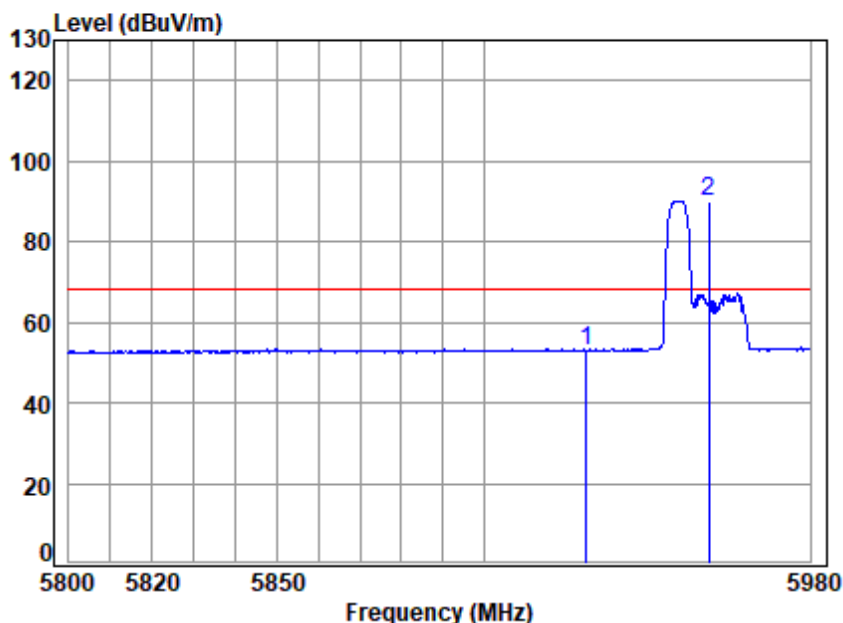
Mode : 5955 Band edge

: Wi-Fi 6E 11AX20 RU52

	Cable	Ant	Preamp	Read		Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
5925.000	10.87	33.55	30.53	50.06	63.95	88.20	-24.25	peak
5955.000	10.85	33.62	30.52	87.08	101.03	88.20	12.83	peak



11ax_20M_Partial_RU52_TX_CH_001_Vertical



Condition: 3m VERTICAL

Job No : 03833WM

Mode : 5955 Band edge

: Wi-Fi 6E 11AX20 RU52

	Cable	Ant	Preamp	Read		Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
5925.000	10.87	33.55	30.53	39.09	52.98	68.20	-15.22	Average
5955.000	10.85	33.62	30.52	76.16	90.11	68.20	21.91	Average



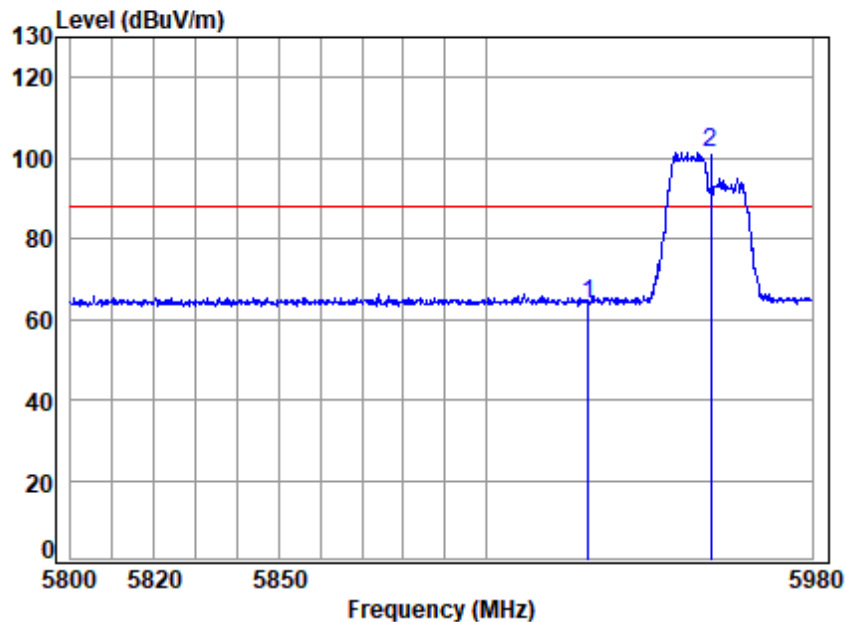
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11ax_20M_Partial_RU106_TX_CH_001_Horizontal



Condition: 3m HORIZONTAL

Job No : 03833WM

Mode : 5955 Band edge

: Wi-Fi 6E 11AX20 RU106

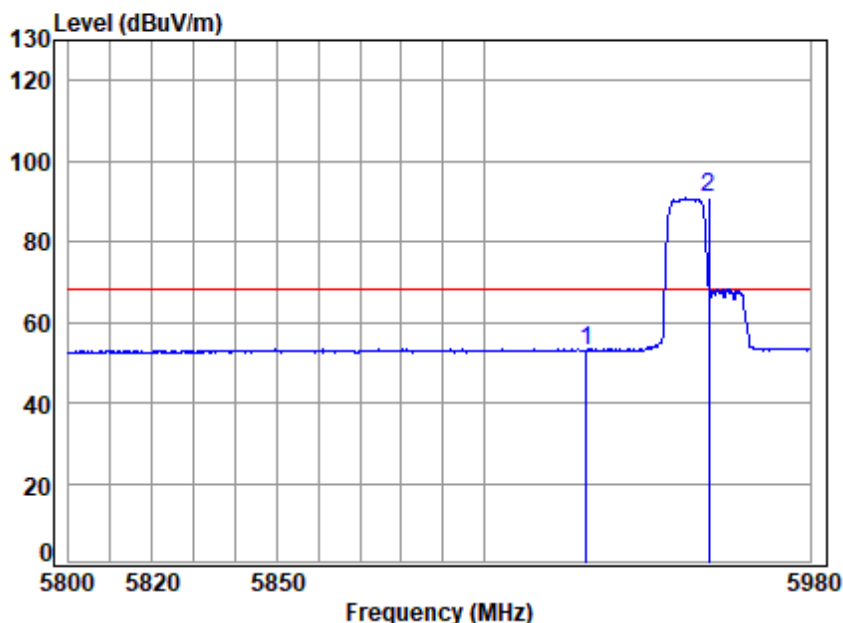
		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5925.000	10.87	33.55	30.53	50.03	63.92	88.20	-24.28	peak
2 pp	5955.000	10.85	33.62	30.52	87.57	101.52	88.20	13.32	peak



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11ax_20M_Partial_RU106_TX_CH_001_Horizontal



Condition: 3m HORIZONTAL

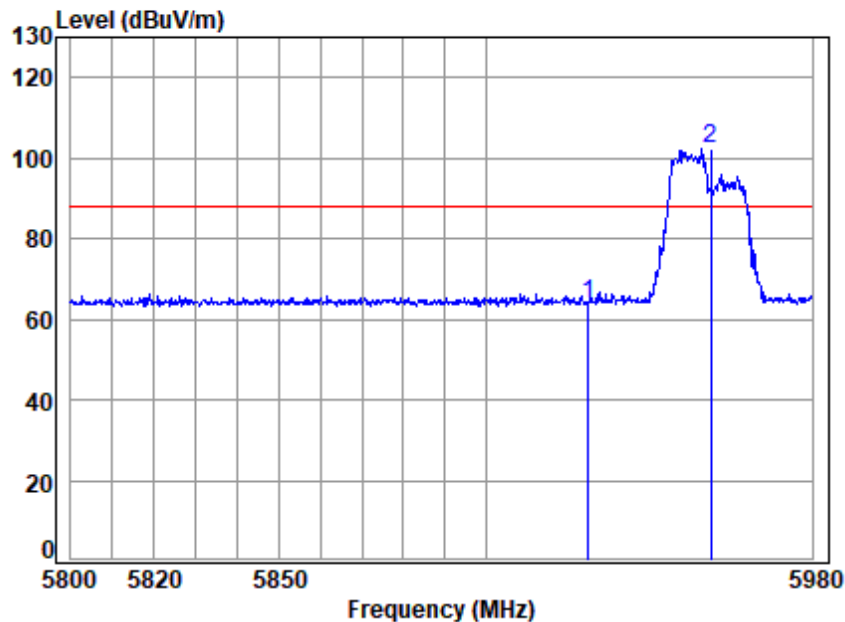
Job No : 03833WM

Mode : 5955 Band edge

: Wi-Fi 6E 11AX20 RU106

	Cable	Ant	Preamp	Read		Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
5925.000	10.87	33.55	30.53	39.10	52.99	68.20	-15.21	Average
5955.000	10.85	33.62	30.52	76.81	90.76	68.20	22.56	Average

11ax_20M_Partial_RU106_TX_CH_001_Vertical



Condition: 3m VERTICAL

Job No : 03833WM

Mode : 5955 Band edge

: Wi-Fi 6E 11AX20 RU106

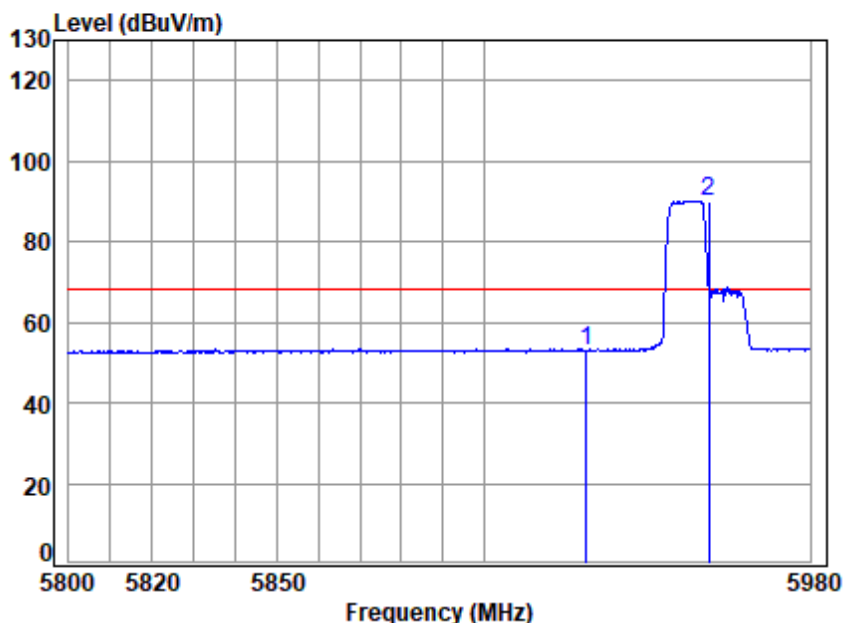
		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5925.000	10.87	33.55	30.53	50.07	63.96	88.20	-24.24	peak
2 pp	5955.000	10.85	33.62	30.52	88.45	102.40	88.20	14.20	peak



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11ax_20M_Partial_RU106_TX_CH_001_Vertical



Condition: 3m VERTICAL

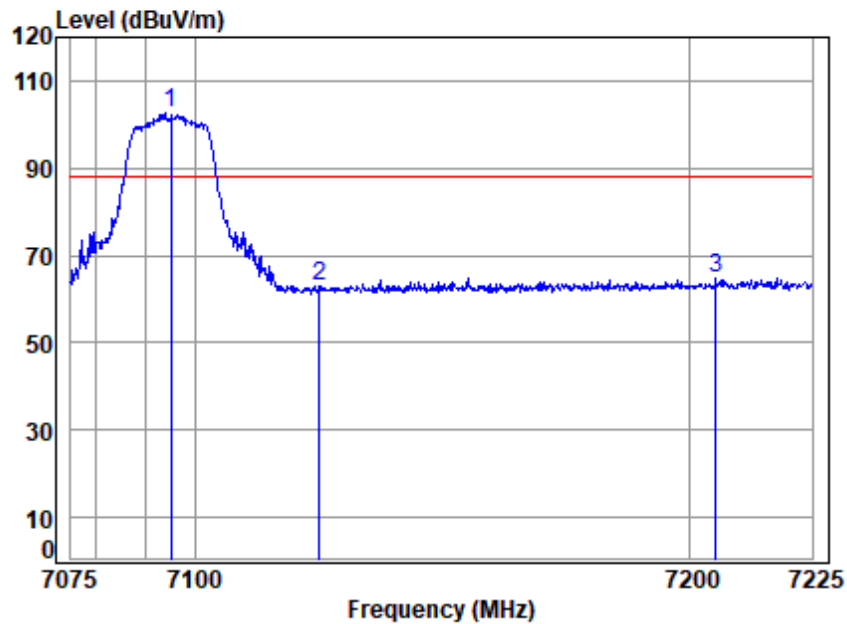
Job No : 03833WM

Mode : 5955 Band edge

: Wi-Fi 6E 11AX20 RU106

	Cable	Ant	Preamp	Read		Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
5925.000	10.87	33.55	30.53	39.09	52.98	68.20	-15.22	Average
5955.000	10.85	33.62	30.52	76.23	90.18	68.20	21.98	Average

11a_TX_CH_229_Horizontal



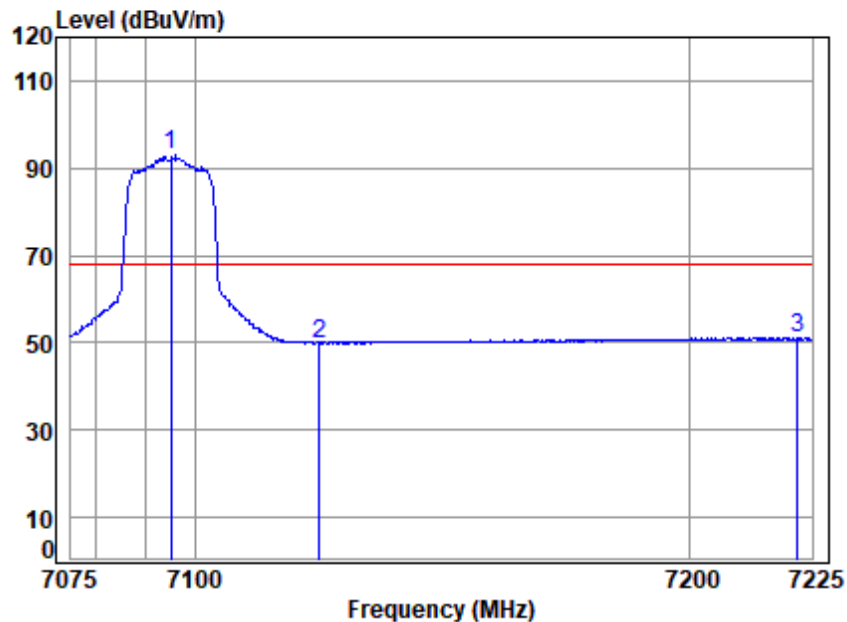
Condition: 3m HORIZONTAL

Job No : 03833WM

Mode : 7095 Band edge
: Wi-Fi 6E 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 7095.000	11.79	36.39	31.25	85.62	102.55	88.20	14.35	peak
2 7125.000	11.82	36.45	31.26	46.11	63.12	88.20	-25.08	peak
3 7205.322	11.89	36.60	31.30	47.49	64.68	88.20	-23.52	peak

11a_TX_CH_229_Horizontal



Condition: 3m HORIZONTAL

Job No : 03833WM

Mode : 7095 Band edge
: Wi-Fi 6E 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	7095.000	11.79	36.39	31.25	75.93	92.86	68.20	24.66	Average
2	7125.000	11.82	36.45	31.26	32.87	49.88	68.20	-18.32	Average
3	7221.969	11.89	36.60	31.31	33.94	51.12	68.20	-17.08	Average



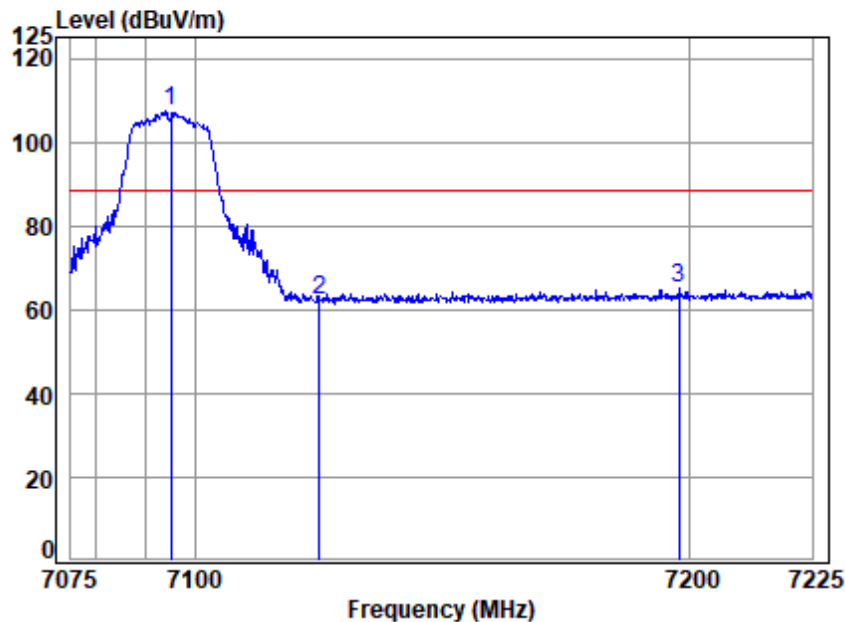
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11a_TX_CH_229_Vertical



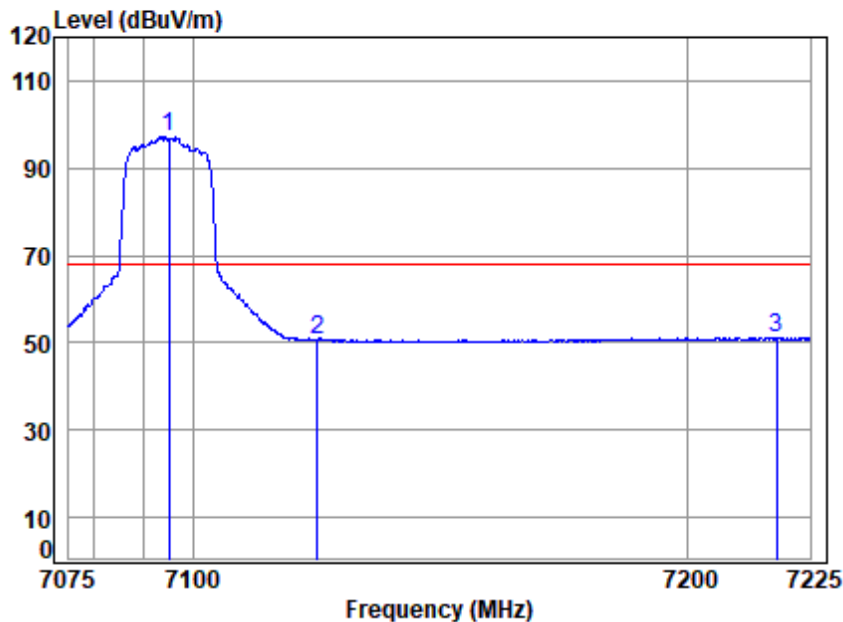
Condition: 3m VERTICAL

Job No : 03833WM

Mode : 7095 Band edge
: Wi-Fi 6E 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	7095.000	11.79	36.39	31.25	90.71	107.64	88.20	19.44	peak
2	7125.000	11.82	36.45	31.26	45.10	62.11	88.20	-26.09	peak
3	7197.918	11.89	36.60	31.30	47.71	64.90	88.20	-23.30	peak

11a_TX_CH_229_Vertical



Condition: 3m VERTICAL

Job No : 03833WM

Mode : 7095 Band edge
: Wi-Fi 6E 11A

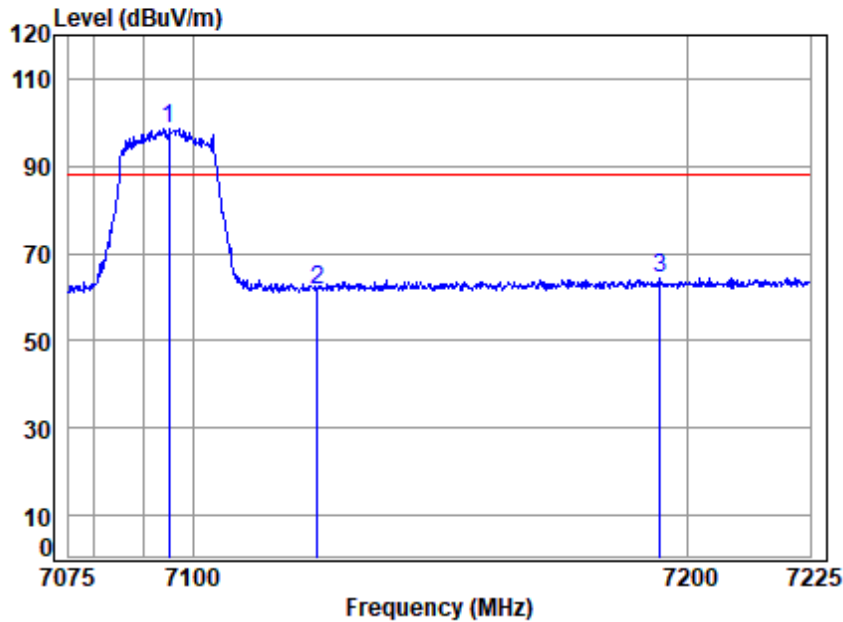
		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	7095.000	11.79	36.39	31.25	80.43	97.36	68.20	29.16	Average
2	7125.000	11.82	36.45	31.26	33.82	50.83	68.20	-17.37	Average
3	7218.182	11.89	36.60	31.31	33.90	51.08	68.20	-17.12	Average



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11ax_20M_TX_CH_229_Horizontal



Condition: 3m HORIZONTAL

Job No : 03833WM

Mode : 7095 Band edge

: Wi-Fi 6E 11AX20

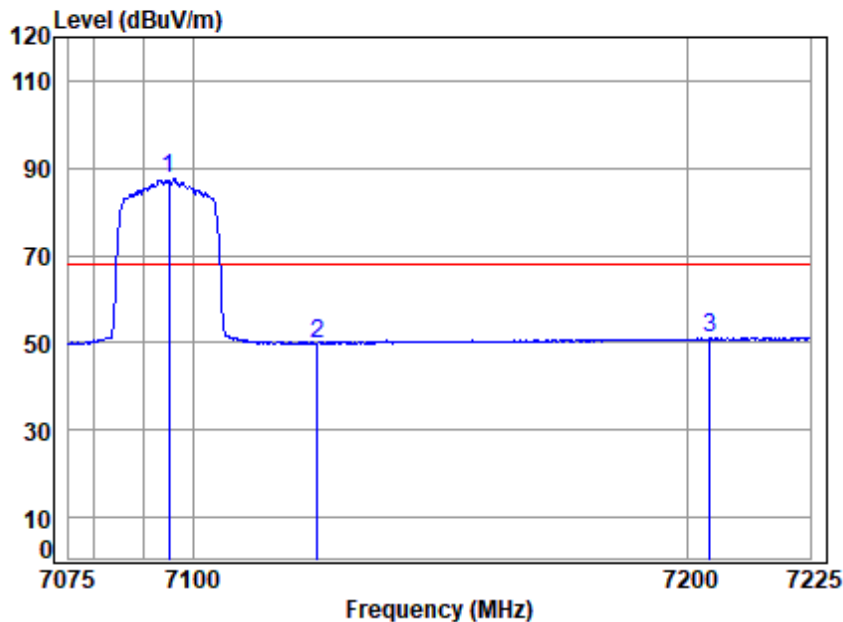
		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	7095.000	11.79	36.39	31.25	81.73	98.66	88.20	10.46	peak
2	7125.000	11.82	36.45	31.26	44.46	61.47	88.20	-26.73	peak
3	7194.295	11.88	36.59	31.30	47.34	64.51	88.20	-23.69	peak



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11ax_20M_TX_CH_229_Horizontal



Condition: 3m HORIZONTAL

Job No : 03833WM

Mode : 7095 Band edge

: Wi-Fi 6E 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	7095.000	11.79	36.39	31.25	70.66	87.59	68.20	19.39	Average
2	7125.000	11.82	36.45	31.26	32.83	49.84	68.20	-18.36	Average
3	7204.566	11.89	36.60	31.30	33.97	51.16	68.20	-17.04	Average



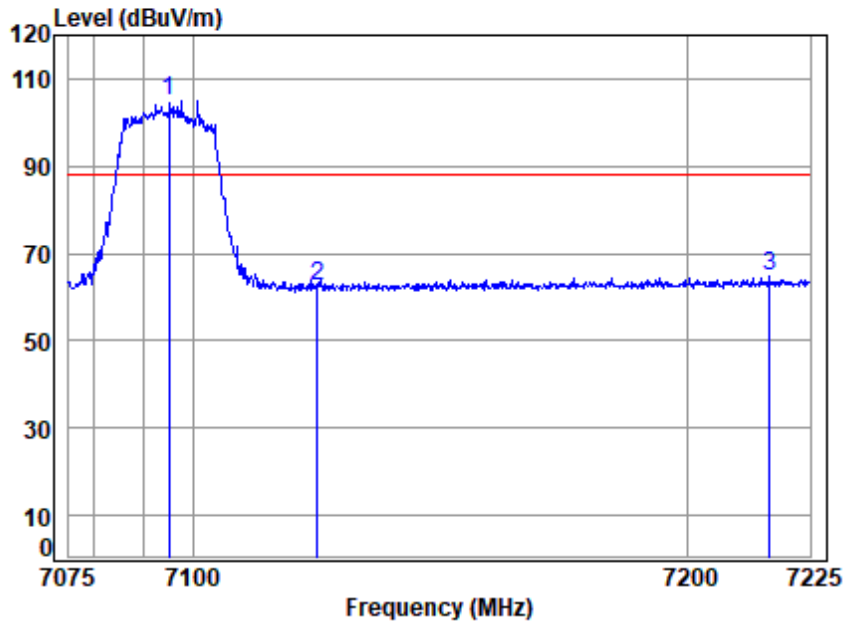
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11ax_20M_TX_CH_229_Vertical



Condition: 3m VERTICAL

Job No : 03833WM

Mode : 7095 Band edge

: Wi-Fi 6E 11AX20

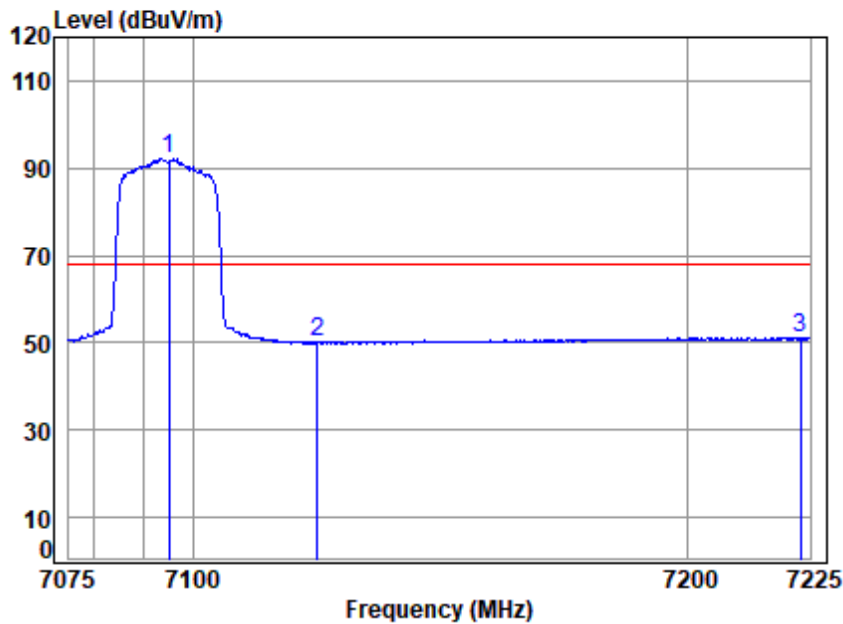
		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	7095.000	11.79	36.39	31.25	88.23	105.16	88.20	16.96	peak
2	7125.000	11.82	36.45	31.26	45.36	62.37	88.20	-25.83	peak
3	7216.819	11.89	36.60	31.31	47.66	64.84	88.20	-23.36	peak



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11ax_20M_TX_CH_229_Vertical



Condition: 3m VERTICAL

Job No : 03833WM

Mode : 7095 Band edge

: Wi-Fi 6E 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	7095.000	11.79	36.39	31.25	75.27	92.20	68.20	24.00	Average
2	7125.000	11.82	36.45	31.26	33.01	50.02	68.20	-18.18	Average
3	7223.030	11.89	36.60	31.31	33.92	51.10	68.20	-17.10	Average



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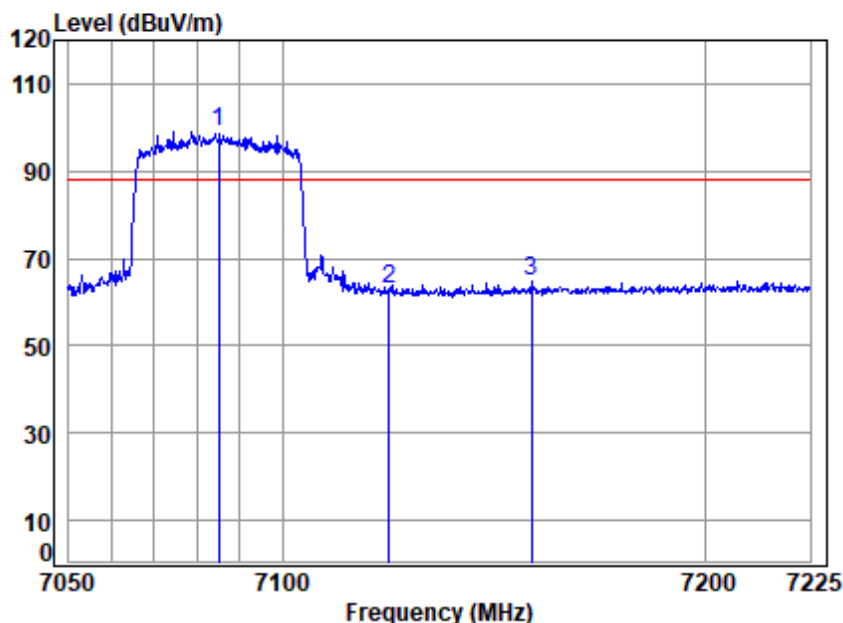
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SZEMC-TRF-01 Rev. A/1

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11ax_40M_TX_CH_227_Horizontal



Condition: 3m HORIZONTAL

Job No : 03833WM

Mode : 7085 Band edge

: Wi-Fi 6E 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	7085.000	11.77	36.37	31.24	82.30	99.20	88.20	11.00	peak
2	7125.000	11.82	36.45	31.26	45.96	62.97	88.20	-25.23	peak
3	7158.696	11.85	36.52	31.28	47.79	64.88	88.20	-23.32	peak



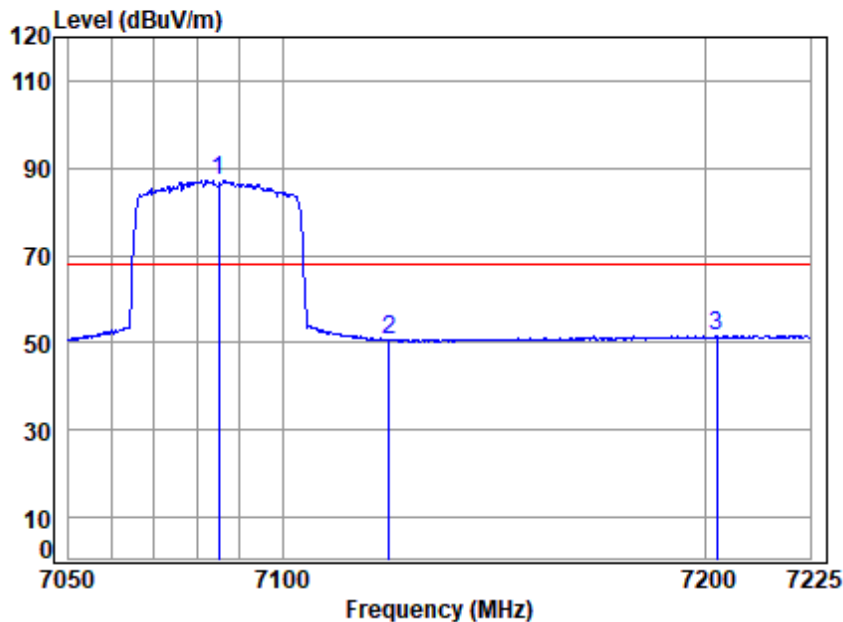
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11ax_40M_TX_CH_227_Horizontal



Condition: 3m HORIZONTAL

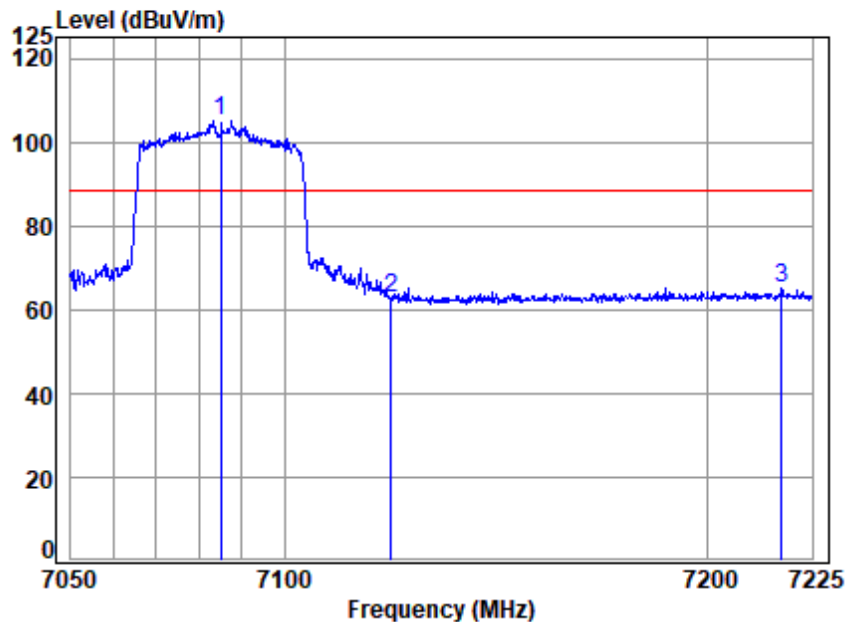
Job No : 03833WM

Mode : 7085 Band edge

: Wi-Fi 6E 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	7085.000	11.77	36.37	31.24	70.39	87.29	68.20	19.09	Average
2	7125.000	11.82	36.45	31.26	33.67	50.68	68.20	-17.52	Average
3	7202.713	11.89	36.60	31.30	34.37	51.56	68.20	-16.64	Average

11ax_40M_TX_CH_227_Vertical



Condition: 3m VERTICAL

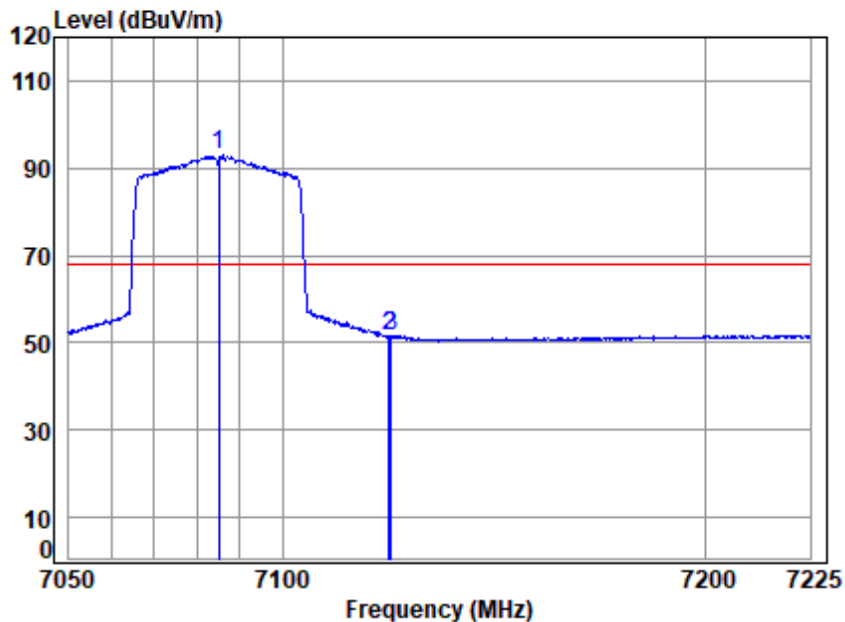
Job No : 03833WM

Mode : 7085 Band edge
: Wi-Fi 6E 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	7085.000	11.77	36.37	31.24	87.99	104.89	88.20	16.69	peak
2	7125.000	11.82	36.45	31.26	45.56	62.57	88.20	-25.63	peak
3	7217.740	11.89	36.60	31.31	47.83	65.01	88.20	-23.19	peak



11ax_40M_TX_CH_227_Vertical



Condition: 3m VERTICAL

Job No : 03833WM

Mode : 7085 Band edge

: Wi-Fi 6E 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	7085.000	11.77	36.37	31.24	75.96	92.86	68.20	24.66	Average
2	7125.000	11.82	36.45	31.26	34.34	51.35	68.20	-16.85	Average
3	7125.598	11.82	36.45	31.26	34.76	51.77	68.20	-16.43	Average



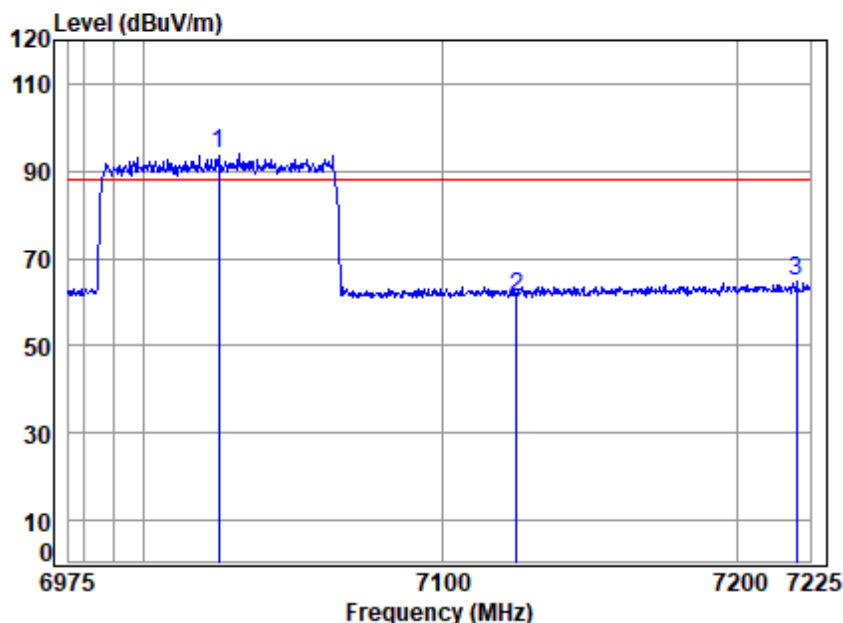
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11ax_80M_TX_CH_215_Horizontal



Condition: 3m HORIZONTAL

Job No : 03833WM

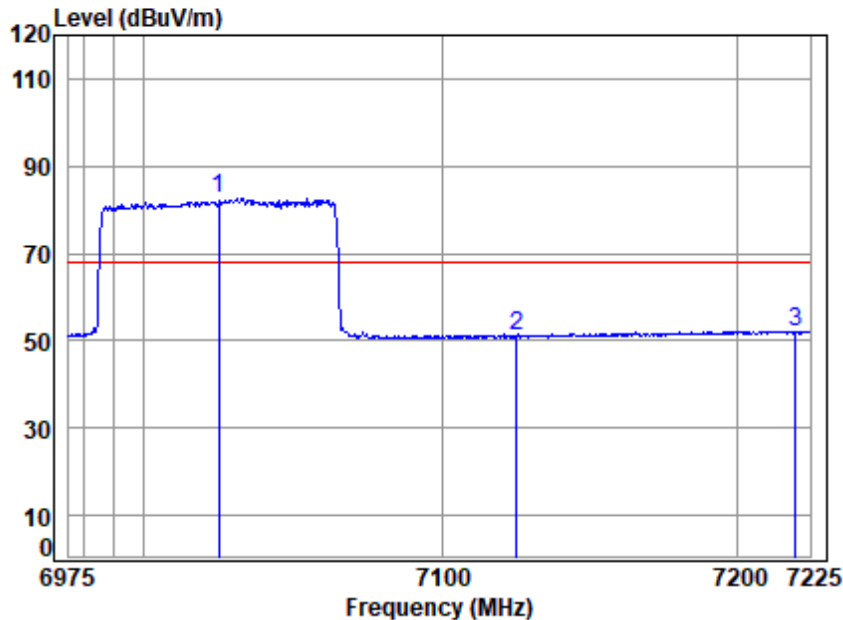
Mode : 7025 Band edge

: Wi-Fi 6E 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 7025.000	11.64	36.25	31.21	77.15	93.83	88.20	5.63	peak	
2 7125.000	11.82	36.45	31.26	44.28	61.29	88.20	-26.91	peak	
3 7220.422	11.89	36.60	31.31	47.46	64.64	88.20	-23.56	peak	



11ax_80M_TX_CH_215_Horizontal



Condition: 3m HORIZONTAL

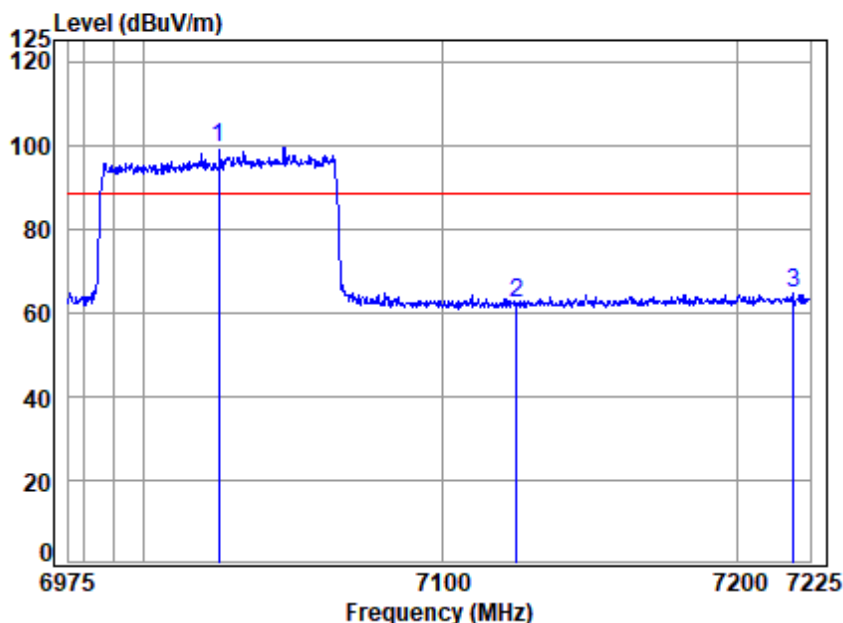
Job No : 03833WM

Mode : 7025 Band edge

: Wi-Fi 6E 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 7025.000	11.64	36.25	31.21	65.95	82.63	68.20	14.43	Average
2 7125.000	11.82	36.45	31.26	33.92	50.93	68.20	-17.27	Average
3 7220.167	11.89	36.60	31.31	35.05	52.23	68.20	-15.97	Average

11ax_80M_TX_CH_215_Vertical



Condition: 3m VERTICAL

Job No : 03833WM

Mode : 7025 Band edge
: Wi-Fi 6E 11AX80

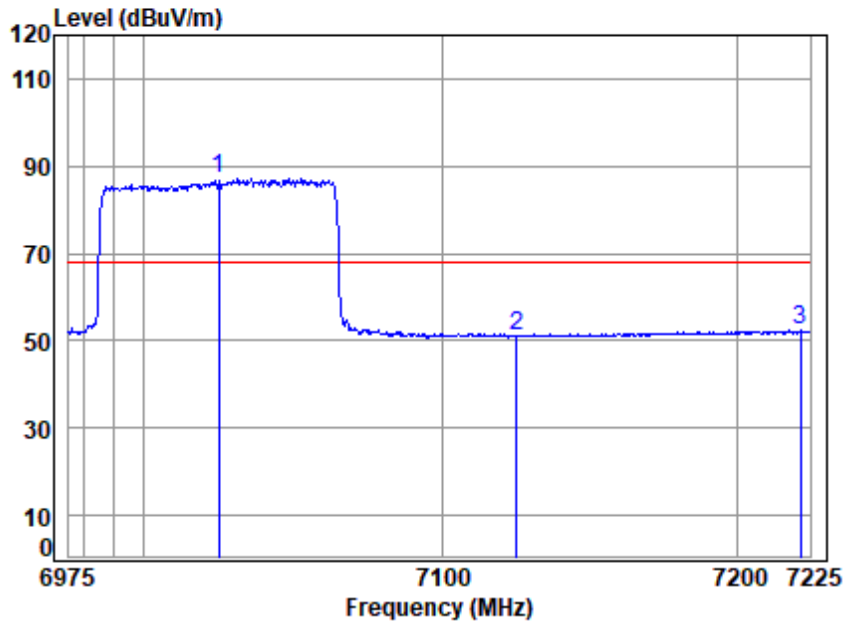
		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	7025.000	11.64	36.25	31.21	82.58	99.26	88.20	11.06	peak
2	7125.000	11.82	36.45	31.26	45.06	62.07	88.20	-26.13	peak
3	7219.405	11.89	36.60	31.31	47.30	64.48	88.20	-23.72	peak



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11ax_80M_TX_CH_215_Vertical



Condition: 3m VERTICAL

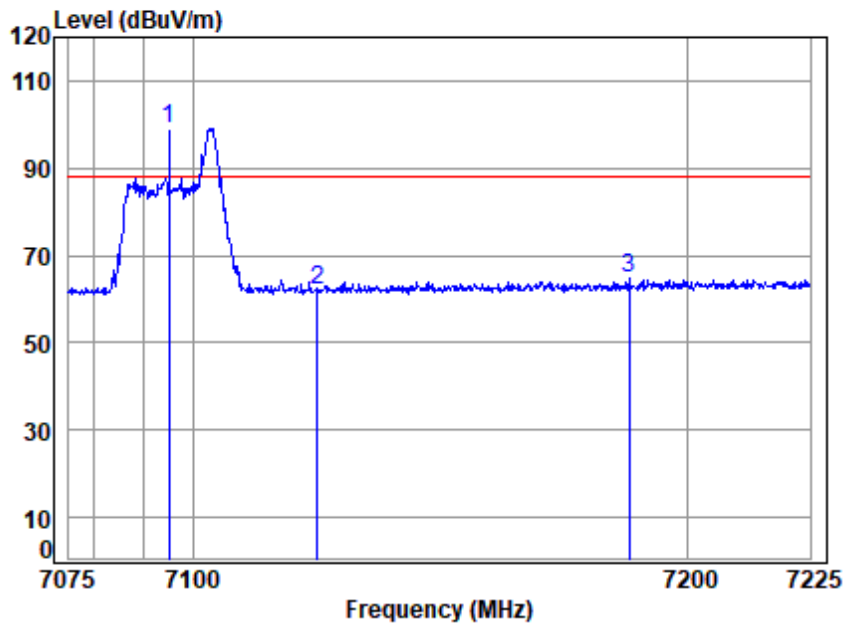
Job No : 03833WM

Mode : 7025 Band edge

: Wi-Fi 6E 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 7025.000	11.64	36.25	31.21	70.41	87.09	68.20	18.89	Average	
2 7125.000	11.82	36.45	31.26	34.07	51.08	68.20	-17.12	Average	
3 7221.693	11.89	36.60	31.31	35.13	52.31	68.20	-15.89	Average	

11ax_20M_Partial_RU26_TX_CH_229_Horizontal



Condition: 3m HORIZONTAL

Job No : 03833WM

Mode : 7095 Band edge

: Wi-Fi 6E 11AX20 RU26

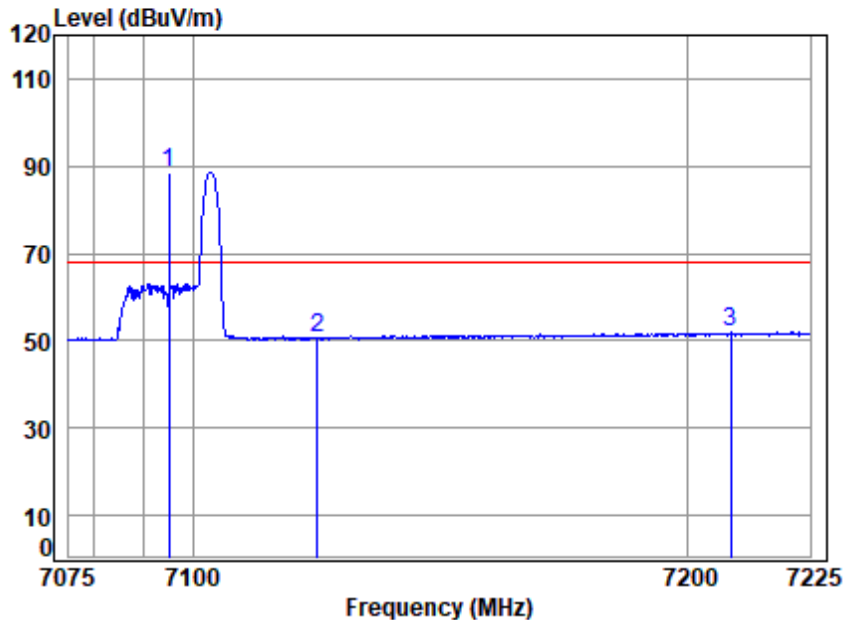
	Cable	Ant	Preamp	Read		Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp 7095.000	11.79	36.39	31.25	82.19	99.12	88.20	10.92	peak
2 7125.000	11.82	36.45	31.26	44.99	62.00	88.20	-26.20	peak
3 7188.109	11.88	36.58	31.29	47.77	64.94	88.20	-23.26	peak



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11ax_20M_Partial_RU26_TX_CH_229_Horizontal



Condition: 3m HORIZONTAL

Job No : 03833WM

Mode : 7095 Band edge

: Wi-Fi 6E 11AX20 RU26

		Cable	Ant	Preamp	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	7095.000	11.79	36.39	31.25	71.78	88.71	68.20	20.51	Average
2	7125.000	11.82	36.45	31.26	33.59	50.60	68.20	-17.60	Average
3	7208.799	11.89	36.60	31.30	34.75	51.94	68.20	-16.26	Average



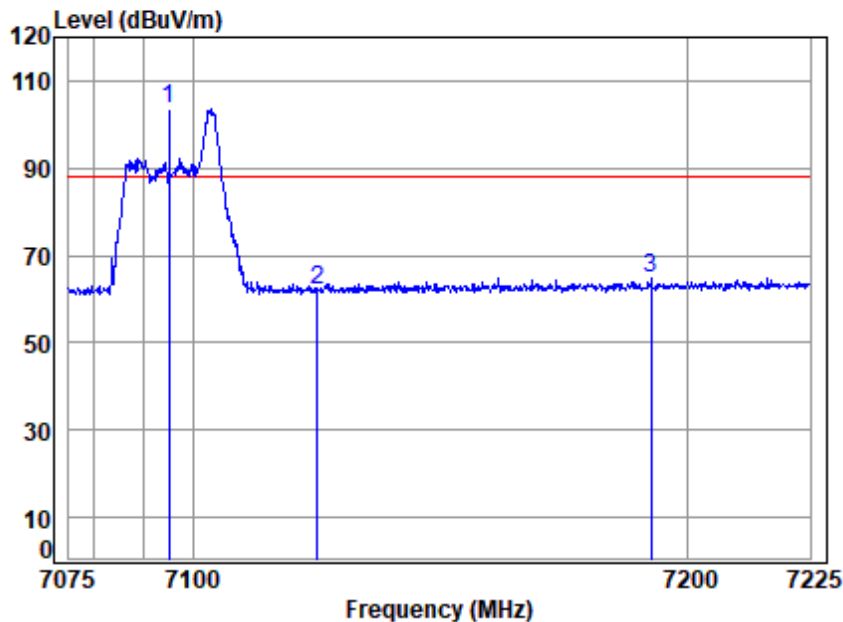
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11ax_20M_Partial_RU26_TX_CH_229_Vertical



Condition: 3m VERTICAL

Job No : 03833WM

Mode : 7095 Band edge

: Wi-Fi 6E 11AX20 RU26

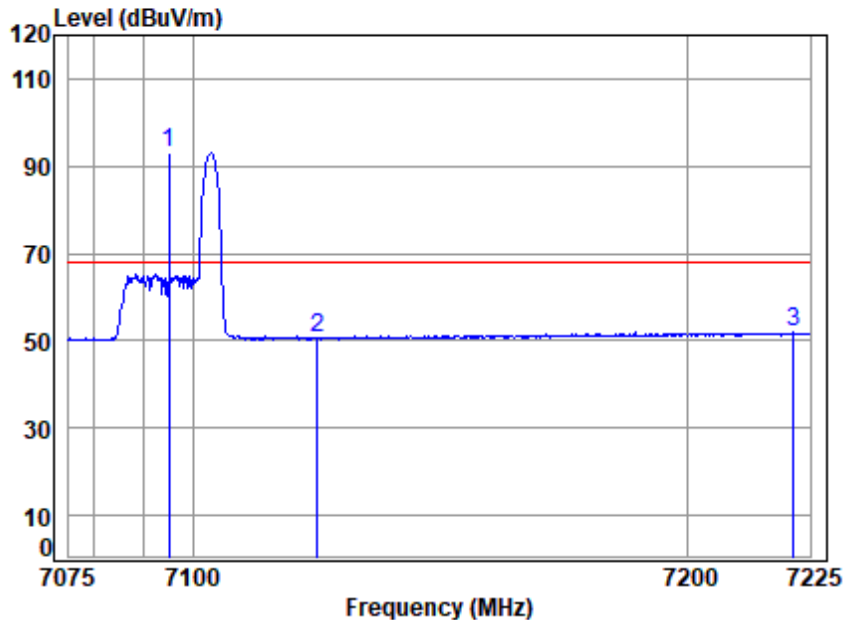
	Cable	Ant	Preamp	Read		Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp 7095.000	11.79	36.39	31.25	86.70	103.63	88.20	15.43	peak
2 7125.000	11.82	36.45	31.26	45.25	62.26	88.20	-25.94	peak
3 7192.635	11.88	36.59	31.30	47.69	64.86	88.20	-23.34	peak



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11ax_20M_Partial_RU26_TX_CH_229_Vertical



Condition: 3m VERTICAL

Job No : 03833WM

Mode : 7095 Band edge

: Wi-Fi 6E 11AX20 RU26

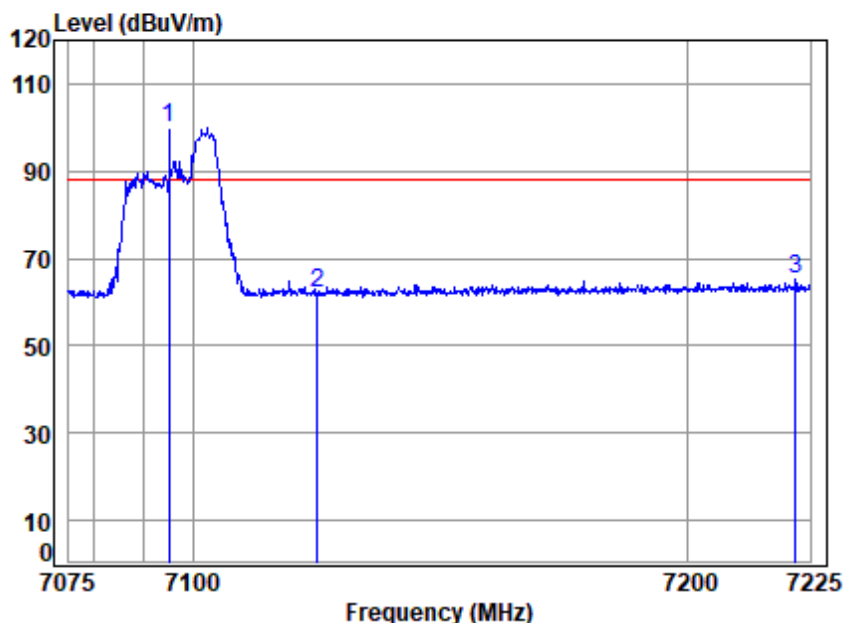
		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	7095.000	11.79	36.39	31.25	76.02	92.95	68.20	24.75	Average
2	7125.000	11.82	36.45	31.26	33.45	50.46	68.20	-17.74	Average
3	7221.666	11.89	36.60	31.31	34.70	51.88	68.20	-16.32	Average



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11ax_20M_Partial_RU52_TX_CH_229_Horizontal



Condition: 3m HORIZONTAL

Job No : 03833WM

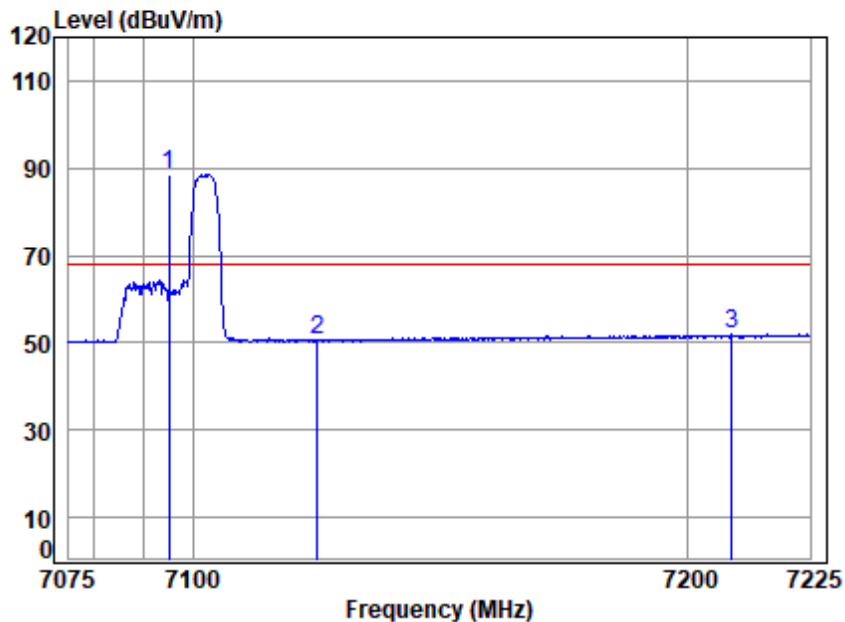
Mode : 7095 Band edge

: Wi-Fi 6E 11AX20 RU52

		Cable	Ant	Preamp	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	7095.000	11.79	36.39	31.25	82.93	99.86	88.20	11.66	peak
2	7125.000	11.82	36.45	31.26	45.11	62.12	88.20	-26.08	peak
3	7222.121	11.89	36.60	31.31	48.08	65.26	88.20	-22.94	peak



11ax_20M_Partial_RU52_TX_CH_229_Horizontal



Condition: 3m HORIZONTAL

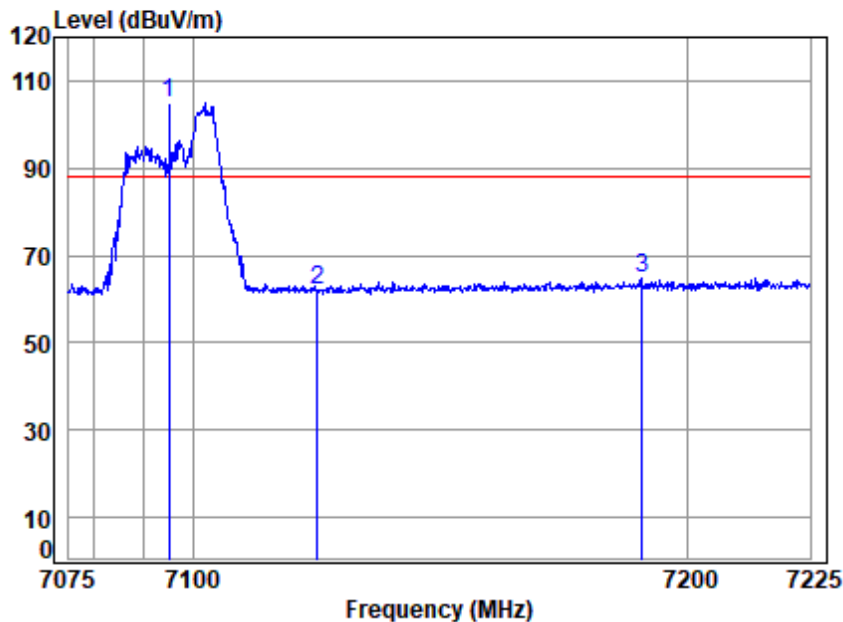
Job No : 03833WM

Mode : 7095 Band edge

: Wi-Fi 6E 11AX20 RU52

		Cable	Ant	Preamp	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	7095.000	11.79	36.39	31.25	71.68	88.61	68.20	20.41	Average
2	7125.000	11.82	36.45	31.26	33.58	50.59	68.20	-17.61	Average
3	7208.951	11.89	36.60	31.30	34.67	51.86	68.20	-16.34	Average

11ax_20M_Partial_RU52_TX_CH_229_Vertical



Condition: 3m VERTICAL

Job No : 03833WM

Mode : 7095 Band edge

: Wi-Fi 6E 11AX20 RU52

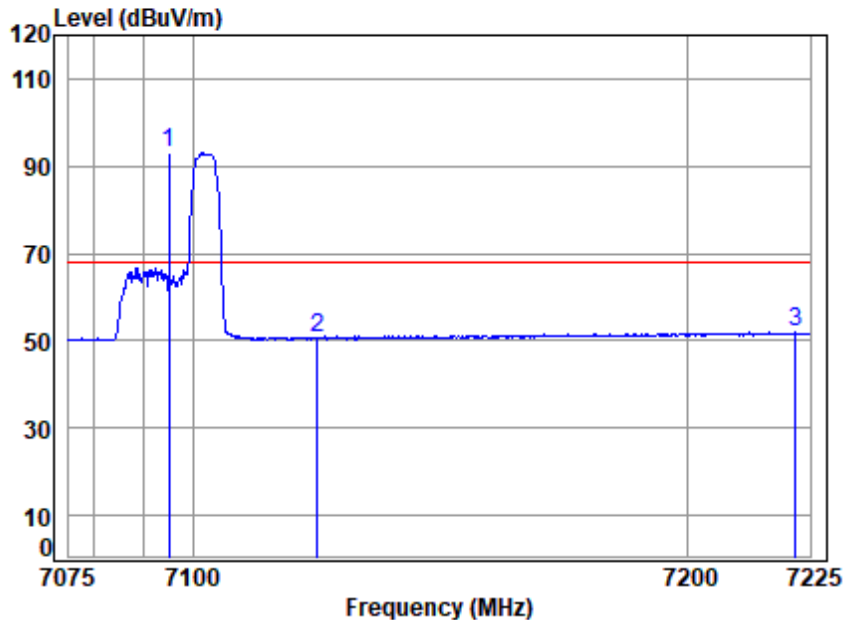
		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	7095.000	11.79	36.39	31.25	88.06	104.99	88.20	16.79	peak
2	7125.000	11.82	36.45	31.26	45.00	62.01	88.20	-26.19	peak
3	7190.673	11.88	36.58	31.30	47.45	64.61	88.20	-23.59	peak



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11ax_20M_Partial_RU52_TX_CH_229_Vertical



Condition: 3m VERTICAL

Job No : 03833WM

Mode : 7095 Band edge

: Wi-Fi 6E 11AX20 RU52

	Cable	Ant	Preamp	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 7095.000	11.79	36.39	31.25	76.04	92.97	68.20	24.77	Average
2 7125.000	11.82	36.45	31.26	33.45	50.46	68.20	-17.74	Average
3 7221.969	11.89	36.60	31.31	34.74	51.92	68.20	-16.28	Average



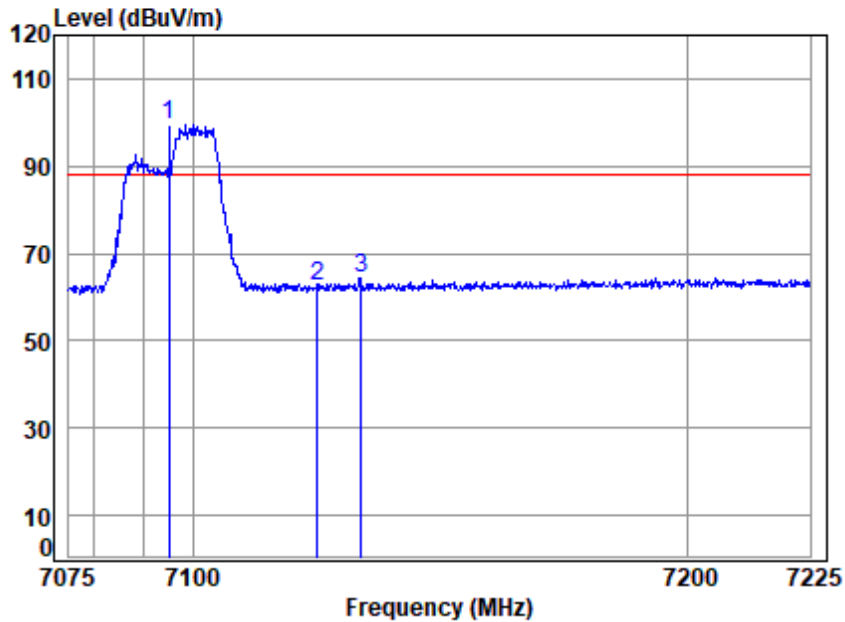
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11ax_20M_Partial_RU106_TX_CH_229_Horizontal



Condition: 3m HORIZONTAL

Job No : 03833WM

Mode : 7095 Band edge

: Wi-Fi 6E 11AX20 RU106

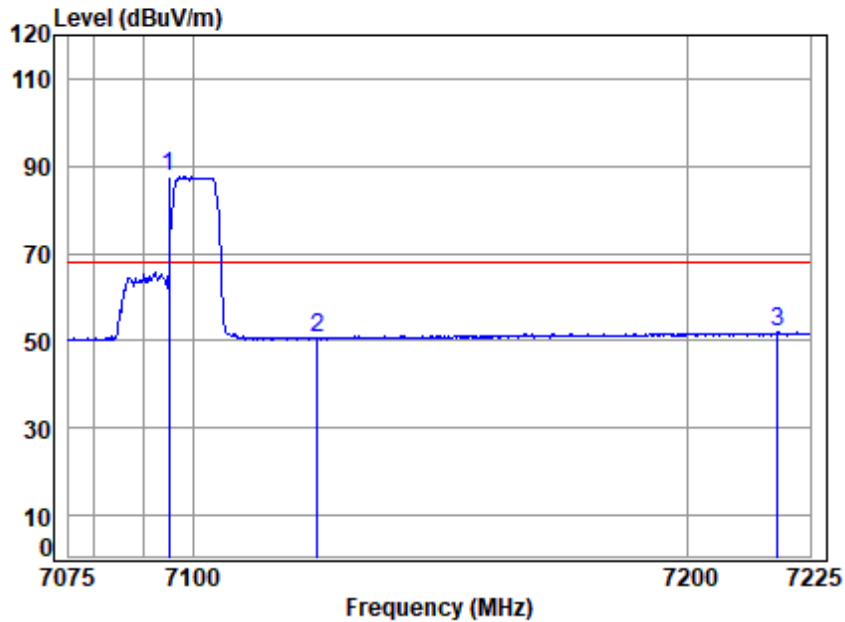
	Cable	Ant	Preamp	Read		Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp 7095.000	11.79	36.39	31.25	82.68	99.61	88.20	11.41	peak
2 7125.000	11.82	36.45	31.26	45.30	62.31	88.20	-25.89	peak
3 7133.725	11.83	36.47	31.27	47.45	64.48	88.20	-23.72	peak



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11ax_20M_Partial_RU106_TX_CH_229_Horizontal



Condition: 3m HORIZONTAL

Job No : 03833WM

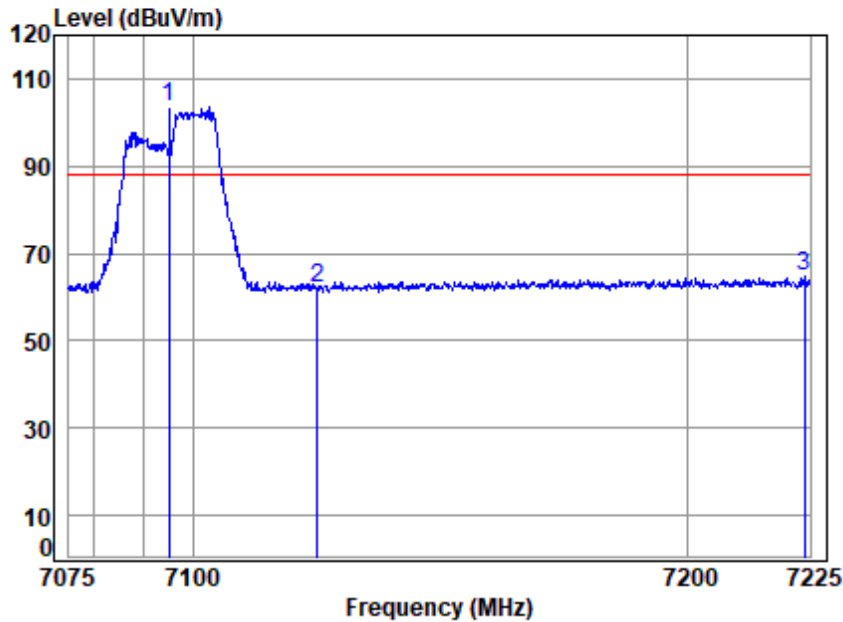
Mode : 7095 Band edge

: Wi-Fi 6E 11AX20 RU106

	Cable	Ant	Preamp	Read		Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
7095.000	11.79	36.39	31.25	70.75	87.68	68.20	19.48	Average
7125.000	11.82	36.45	31.26	33.49	50.50	68.20	-17.70	Average
7218.333	11.89	36.60	31.31	34.69	51.87	68.20	-16.33	Average



11ax_20M_Partial_RU106_TX_CH_229_Vertical



Condition: 3m VERTICAL

Job No : 03833WM

Mode : 7095 Band edge

: Wi-Fi 6E 11AX20 RU106

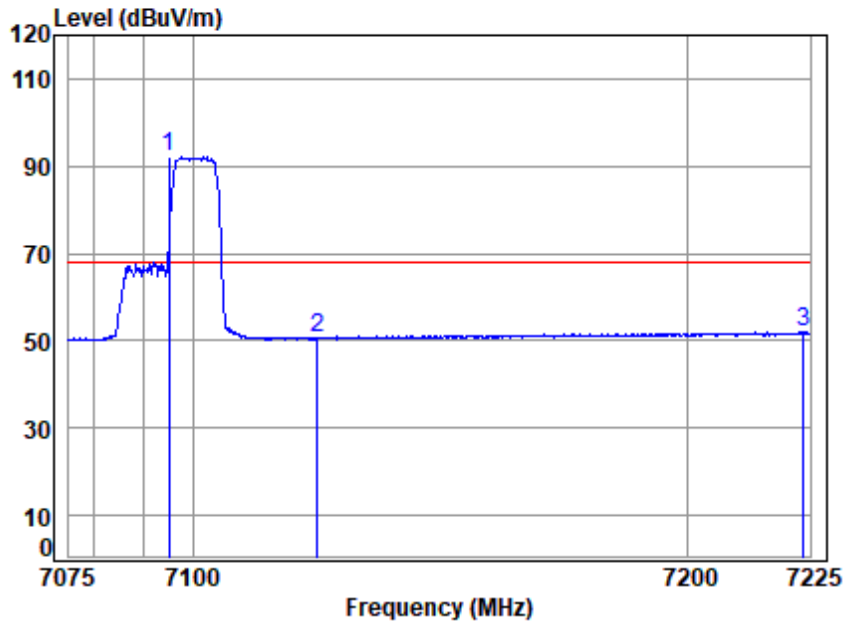
		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	7095.000	11.79	36.39	31.25	86.77	103.70	88.20	15.50	peak
2	7125.000	11.82	36.45	31.26	44.99	62.00	88.20	-26.20	peak
3	7223.939	11.89	36.60	31.31	47.74	64.92	88.20	-23.28	peak



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11ax_20M_Partial_RU106_TX_CH_229_Vertical



Condition: 3m VERTICAL

Job No : 03833WM

Mode : 7095 Band edge

: Wi-Fi 6E 11AX20 RU106

	Cable	Ant	Preamp	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 7095.000	11.79	36.39	31.25	75.23	92.16	68.20	23.96	Average
2 7125.000	11.82	36.45	31.26	33.42	50.43	68.20	-17.77	Average
3 7223.636	11.89	36.60	31.31	34.82	52.00	68.20	-16.20	Average



7.5 In-Band Emissions

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

Test Method: ANSI C63.10 (2020) Section 12.6

Limit:

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

7.5.1 E.U.T. Operation

Operating Environment:

Temperature: 23.0 °C

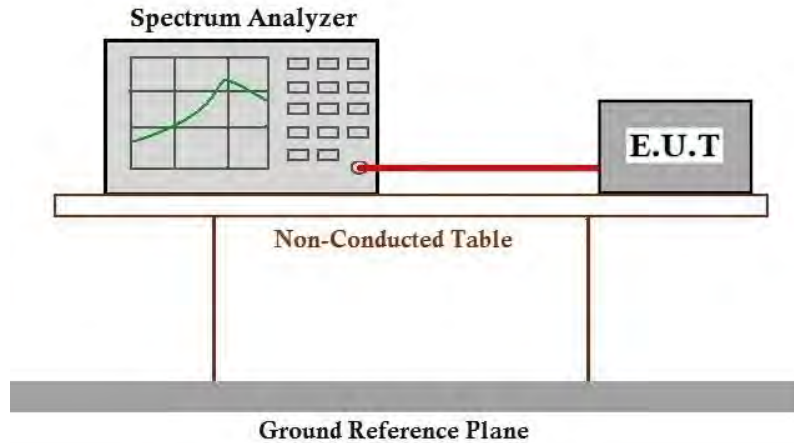
Humidity: 66.1 % RH

Atmospheric Pressure: 1020 mbar

7.5.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	10	TX mode (U-NII-5) _Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.
Final test	11	TX mode (U-NII-6) _Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.
Final test	12	TX mode (U-NII-7) _Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.
Final test	13	TX mode (U-NII-8) _Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.

7.5.3 Test Setup Diagram



7.5.4 Measurement Procedure and Data

Please Refer to Appendix for Details

7.6 Contention-based Protocol

Test Requirement 47 CFR Part 15, Subpart E 15.407 (d)(6)

Test Method: KDB 987594 D02

Limit:

Unlicensed low-power indoor devices must detect co-channel radio frequency power that is at least -62 dBm or lower. Upon detection of energy in the band, unlicensed low power indoor devices must vacate the channel (in which incumbent signal is transmitted) and stay off the incumbent channel as long as detected radio frequency power is equal to or greater than the threshold (-62 dBm). The -62 dBm (or lower) threshold is referenced to a 0 dBi antenna gain. To ensure incumbent operations are reliably detected in the band, low power indoor devices must detect RF energy throughout their intended operating channel. For example, an 802.11 device that plans to transmit a 40 MHz- wide signal (on a primary 20 MHz channel and a secondary 20 MHz channel) must detect energy throughout the entire 40 MHz channel. Additionally, low-power indoor devices must detect co-channel energy with 90% or greater certainty.

7.6.1 E.U.T. Operation

Operating Environment:

Temperature: 27.1 °C

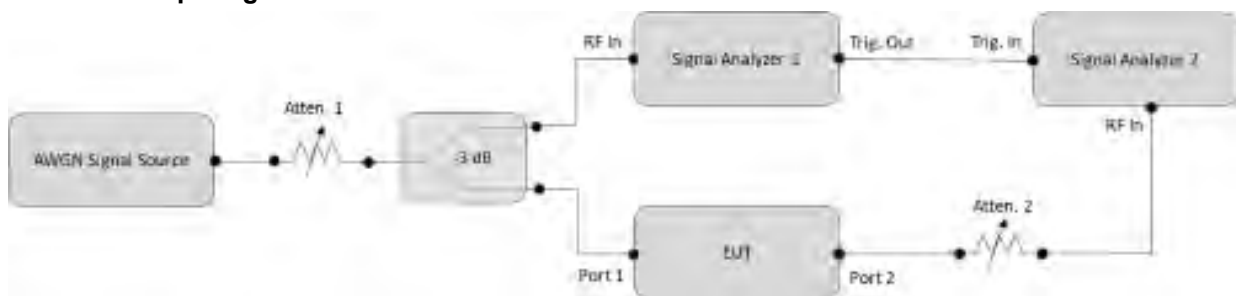
Humidity: 42.2 % RH

Atmospheric Pressure: 1020 mbar

7.6.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	08	Normal operating_Keep the EUT communication with the companion device.

7.6.3 Test Setup Diagram



7.6.4 Measurement Procedure and Data

Detection Level= Injected AWGN Power(dBm)- Antenna Gain(dBi)+ Path Loss(dB)

Please Refer to Appendix for Details

7.7 Duty Cycle

Test Requirement ANSI C63.10 (2013) Section 12.2

Test Method: ANSI C63.10 (2020) Section 12.2

7.7.1 E.U.T. Operation

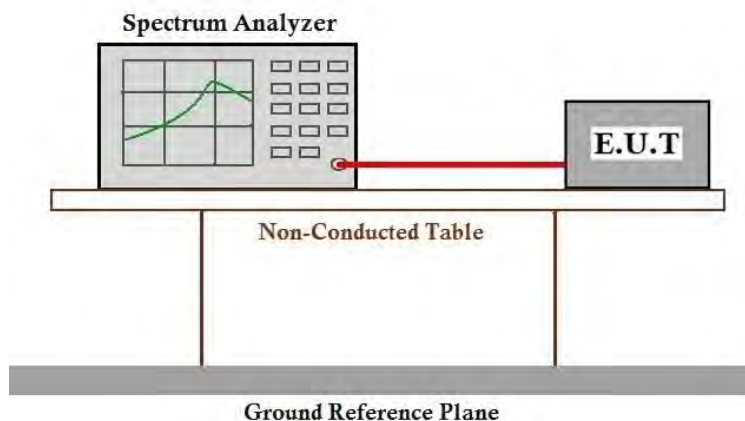
Operating Environment:

Temperature: 23.0 °C Humidity: 66.1 % RH Atmospheric Pressure: 1020 mbar

7.7.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	10	TX mode (U-NII-5) _Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.
Final test	11	TX mode (U-NII-6) _Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.
Final test	12	TX mode (U-NII-7) _Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.
Final test	13	TX mode (U-NII-8) _Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.

7.7.3 Test Setup Diagram



7.7.4 Measurement Procedure and Data

Please Refer to Appendix for Details

7.8 99% Bandwidth

Test Requirement ANSI C63.10 (2013) Section 12.4.2

Test Method: ANSI C63.10 (2020) Section 12.5.3

7.8.1 E.U.T. Operation

Operating Environment:

Temperature: 23.0 °C

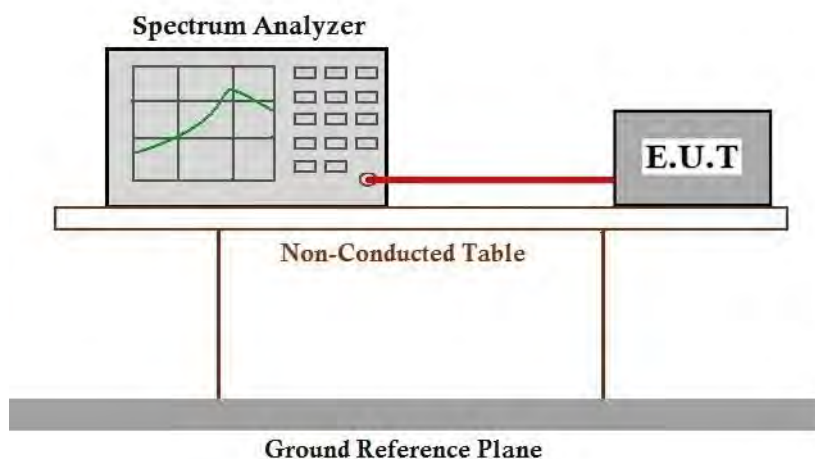
Humidity: 66.1 % RH

Atmospheric Pressure: 1020 mbar

7.8.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	10	TX mode (U-NII-5) _Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.
Final test	11	TX mode (U-NII-6) _Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.
Final test	12	TX mode (U-NII-7) _Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.
Final test	13	TX mode (U-NII-8) _Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.

7.8.3 Test Setup Diagram



7.8.4 Measurement Procedure and Data

Please Refer to Appendix for Details

7.9 26dB Emission bandwidth

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

Test Method: ANSI C63.10 (2020) Section 12.5.2

7.9.1 E.U.T. Operation

Operating Environment:

Temperature: 23.0 °C

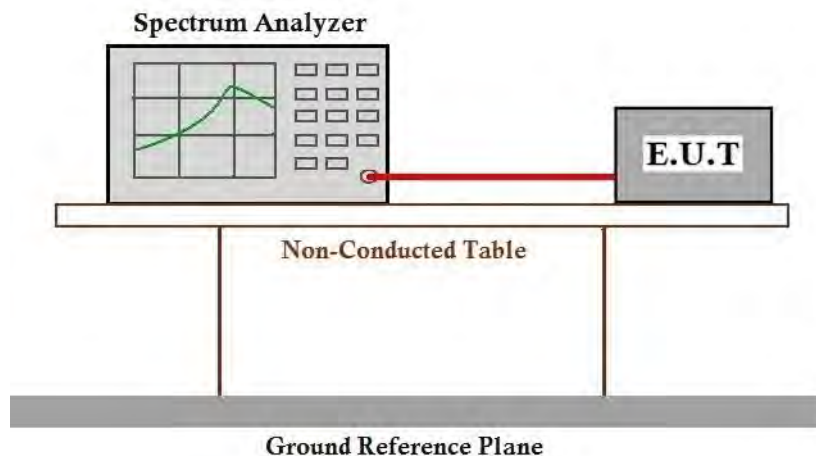
Humidity: 66.1 % RH

Atmospheric Pressure: 1020 mbar

7.9.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	10	TX mode (U-NII-5) _Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.
Final test	11	TX mode (U-NII-6) _Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.
Final test	12	TX mode (U-NII-7) _Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.
Final test	13	TX mode (U-NII-8) _Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.

7.9.3 Test Setup Diagram



7.9.4 Measurement Procedure and Data

Please Refer to Appendix for Details

7.10 Maximum Conducted output power

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

Test Method: ANSI C63.10 (2020) Section 12.4

Limit:

Device Type	Frequency Range (MHz)	EIRP Limit (dBm)	EIRP PSD Limit(dBm/MHz)
LPI AP/ Subordinate	5925-7125	≤ 30	≤ 5
LPI Client Device And Dual Client controlled by LPI AP/ Subordinate	5925-7125	≤ 24	≤ -1
Dual Client controlled by Standard Power AP	5925-6425; 6525-6875	30 max & 6dB below Std. AP	17 max & 6dB below Std. AP
Standard Power AP And Fixed Client Devices	5925-6425; 6525-6875	≤ 36 (21dBm for elevation angle greater than 30 degrees above the horizon)	≤ 23
Standard Client Devices	5925-6425; 6525-6875	30 max & 6dB below Std. AP	17 max & 6dB below Std. AP
Very Low-Power Devices	5925-6425; 6525-6875	≤ 14	≤ -5 shall demonstrate the TPC capability to operate at least 6 dB below the maximum EIRP PSD value of -5 dBm/MHz.

7.10.1 E.U.T. Operation

Operating Environment:

Temperature: 23.0 °C

Humidity: 66.1 % RH

Atmospheric Pressure: 1020 mbar

7.10.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	10	TX mode (U-NII-5) _Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.
Final test	11	TX mode (U-NII-6) _Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.
Final test	12	TX mode (U-NII-7) _Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.
Final test	13	TX mode (U-NII-8) _Keep the EUT in continuously transmitting mode with all



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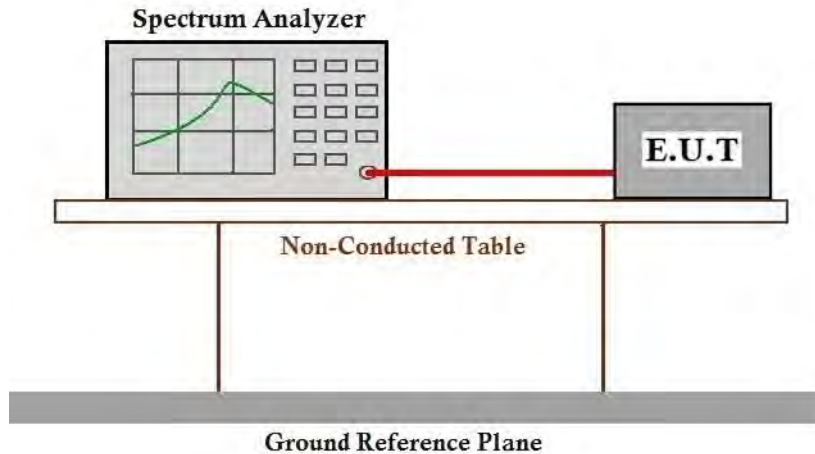
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		modulation types. Only the data of worst case is recorded in the report.
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7.10.3 Test Setup Diagram



7.10.4 Measurement Procedure and Data

$$\text{AV Output power Level} = \text{Reading level} + \text{Cable loss} + \text{DCCF}$$

Please Refer to Appendix for Details

7.11 Peak Power spectrum density

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

Test Method: ANSI C63.10 (2020) Section 12.6

Limit:

Device Type	Frequency Range (MHz)	EIRP Limit (dBm)	EIRP PSD Limit(dBm/MHz)
LPI AP/ Subordinate	5925-7125	≤ 30	≤ 5
LPI Client Device And Dual Client controlled by LPI AP/ Subordinate	5925-7125	≤ 24	≤ -1
Dual Client controlled by Standard Power AP	5925-6425; 6525-6875	30 max & 6dB below Std. AP	17 max & 6dB below Std. AP
Standard Power AP And Fixed Client Devices	5925-6425; 6525-6875	≤ 36 (21dBm for elevation angle greater than 30 degrees above the horizon)	≤ 23
Standard Client Devices	5925-6425; 6525-6875	30 max & 6dB below Std. AP	17 max & 6dB below Std. AP
Very Low-Power Devices	5925-6425; 6525-6875	≤ 14	≤ -5 shall demonstrate the TPC capability to operate at least 6 dB below the maximum EIRP PSD value of -5 dBm/MHz.

7.11.1 E.U.T. Operation

Operating Environment:

Temperature: 23.0 °C

Humidity: 66.1 % RH

Atmospheric Pressure: 1020 mbar

7.11.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	10	TX mode (U-NII-5) _Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.
Final test	11	TX mode (U-NII-6) _Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.
Final test	12	TX mode (U-NII-7) _Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.
Final test	13	TX mode (U-NII-8) _Keep the EUT in continuously transmitting mode with all



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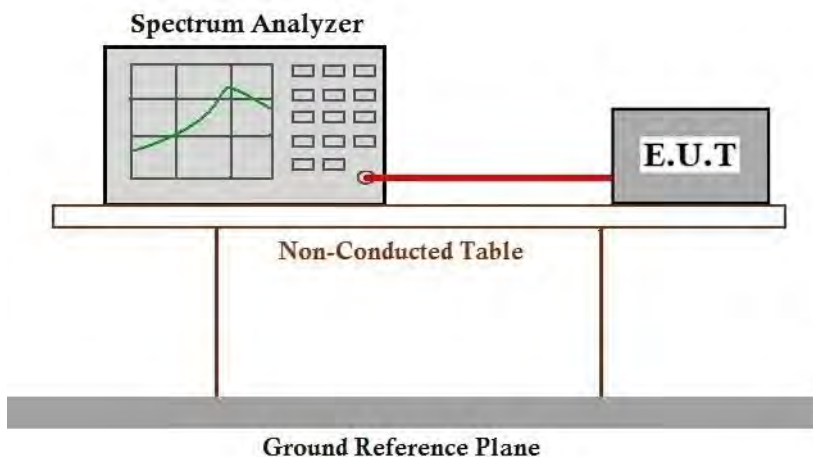
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		modulation types. Only the data of worst case is recorded in the report.
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7.11.3 Test Setup Diagram



7.11.4 Measurement Procedure and Data

Please Refer to Appendix for Details

7.12 Frequency Stability

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

Test Method: ANSI C63.10 (2020) Section 6.8

7.12.1 E.U.T. Operation

Operating Environment:

Temperature: 23.0 °C

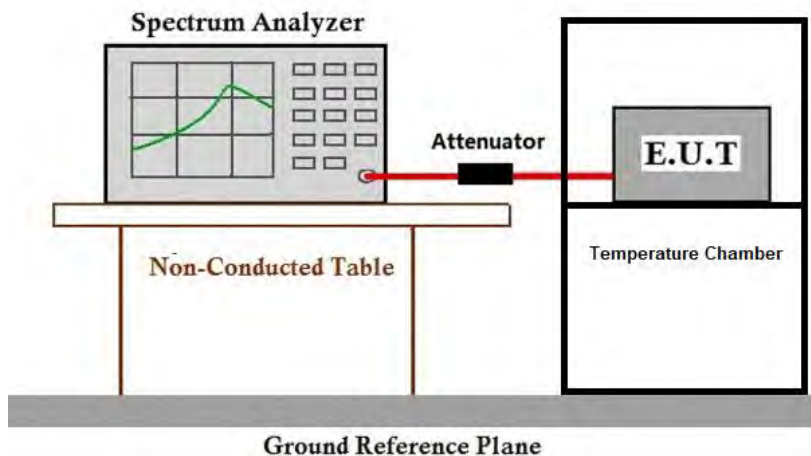
Humidity: 66.1 % RH

Atmospheric Pressure: 1020 mbar

7.12.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	10	TX mode (U-NII-5) _Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.
Final test	11	TX mode (U-NII-6) _Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.
Final test	12	TX mode (U-NII-7) _Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.
Final test	13	TX mode (U-NII-8) _Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.

7.12.3 Test Setup Diagram



7.12.4 Measurement Procedure and Data

Please Refer to Appendix for Details

8 Test Setup Photo

Please refer to SZCR2509003833WM Appendix_Setup Photo

9 EUT Constructional Details (EUT Photos)

Refer to Appendix – External and Internal Photos for SZCR2509003833WM.

10 Appendix

1. Duty Cycle

1.1 Test Result

1.1.1 Ant10

Ant10										
ENV	Mode	TX Type	Frequency (MHz)	RU	RU Pos	T _{on} (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
NTNV	802.11a	SISO	5955	/	/	1.393	1.435	97.07	0.13	0.03
			6175	/	/	1.393	1.435	97.07	0.13	0.03
			6415	/	/	1.392	1.435	97.00	0.13	0.07
	802.11ax (HEW20)	MIMO	5955	SU	/	1.014	1.057	95.93	0.18	0.03
			6175	SU	/	1.014	1.057	95.93	0.18	0.03
			6415	SU	/	1.014	1.057	95.93	0.18	0.03
	802.11ax (HEW40)	MIMO	5965	SU	/	0.534	0.577	92.55	0.34	0.10
			6165	SU	/	0.534	0.577	92.55	0.34	0.17
			6405	SU	/	0.535	0.577	92.72	0.33	0.07
	802.11ax (HEW80)	MIMO	5985	SU	/	0.287	0.331	86.71	0.62	0.09
			6145	SU	/	0.289	0.331	87.31	0.59	0.09
			6385	SU	/	0.288	0.331	87.01	0.60	0.06

1.1.2 Ant10

Ant10										
ENV	Mode	TX Type	Frequency (MHz)	RU	RU Pos	T _{on} (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
NTNV	802.11a	SISO	6435	/	/	1.392	1.434	97.07	0.13	0.03
			6475	/	/	1.393	1.435	97.07	0.13	0.00
			6515	/	/	1.392	1.436	96.94	0.14	0.07
	802.11ax (HEW20)	MIMO	6435	SU	/	1.014	1.057	95.93	0.18	0.03
			6475	SU	/	1.013	1.057	95.84	0.18	0.03
			6515	SU	/	1.014	1.057	95.93	0.18	0.03
	802.11ax (HEW40)	MIMO	6445	SU	/	0.534	0.578	92.39	0.34	0.16
			6485	SU	/	0.534	0.577	92.55	0.34	0.03
	802.11ax	MIMO	6465	SU	/	0.289	0.331	87.31	0.59	0.09

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(HEW80)										
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1.1.3 Ant10

Ant10										
ENV	Mode	TX Type	Frequency (MHz)	RU	RU Pos	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
NTNV	802.11a	SISO	6535	/	/	1.392	1.435	97.00	0.13	0.03
			6695	/	/	1.393	1.435	97.07	0.13	0.07
			6855	/	/	1.392	1.435	97.00	0.13	0.03
	802.11ax (HEW20)	MIMO	6535	SU	/	1.014	1.057	95.93	0.18	0.03
			6695	SU	/	1.014	1.057	95.93	0.18	0.03
			6855	SU	/	1.014	1.058	95.84	0.18	0.07
	802.11ax (HEW40)	MIMO	6565	SU	/	0.534	0.577	92.55	0.34	0.07
			6685	SU	/	0.534	0.577	92.55	0.34	0.07
			6845	SU	/	0.534	0.577	92.55	0.34	0.07
	802.11ax (HEW80)	MIMO	6625	SU	/	0.290	0.331	87.61	0.57	0.06
			6705	SU	/	0.288	0.331	87.01	0.60	0.06
			6785	SU	/	0.289	0.331	87.31	0.59	0.09

1.1.4 Ant10

Ant10										
ENV	Mode	TX Type	Frequency (MHz)	RU	RU Pos	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
NTNV	802.11a	SISO	6895	/	/	1.393	1.436	97.01	0.13	0.10
			6995	/	/	1.393	1.435	97.07	0.13	0.00
	802.11ax (HEW20)	MIMO	6895	SU	/	1.014	1.057	95.93	0.18	0.03
			6995	SU	/	1.014	1.057	95.93	0.18	0.03
	802.11ax (HEW40)	MIMO	6925	SU	/	0.534	0.577	92.55	0.34	0.07
			7005	SU	/	0.534	0.577	92.55	0.34	0.07
			7085	SU	/	0.534	0.577	92.55	0.34	0.10
	802.11ax (HEW80)	MIMO	6945	SU	/	0.289	0.331	87.31	0.59	0.06
			7025	SU	/	0.290	0.331	87.61	0.57	0.06

1.1.5 Ant10

Ant10										
ENV	Mode	TX Type	Frequency (MHz)	RU	RU Pos	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor	Max. DC Variation (%)



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SZEMC-TRF-01 Rev. A/1

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									(dB)	
NTNV	802.11a	SISO	6875	/	/	1.393	1.435	97.07	0.13	0.03
	802.11ax (HEW20)	MIMO	6875	SU	/	1.014	1.057	95.93	0.18	0.07
	802.11ax (HEW40)	MIMO	6885	SU	/	0.534	0.577	92.55	0.34	0.07
	802.11ax (HEW80)	MIMO	6865	SU	/	0.288	0.331	87.01	0.60	0.12

1.1.6 Ant10

Ant10										
ENV	Mode	TX Type	Frequency (MHz)	RU	RU Pos	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
NTNV	802.11ax (HEW40)	MIMO	6525	SU	/	0.534	0.576	92.71	0.33	0.04
	802.11ax (HEW80)	MIMO	6545	SU	/	0.289	0.331	87.31	0.59	0.12



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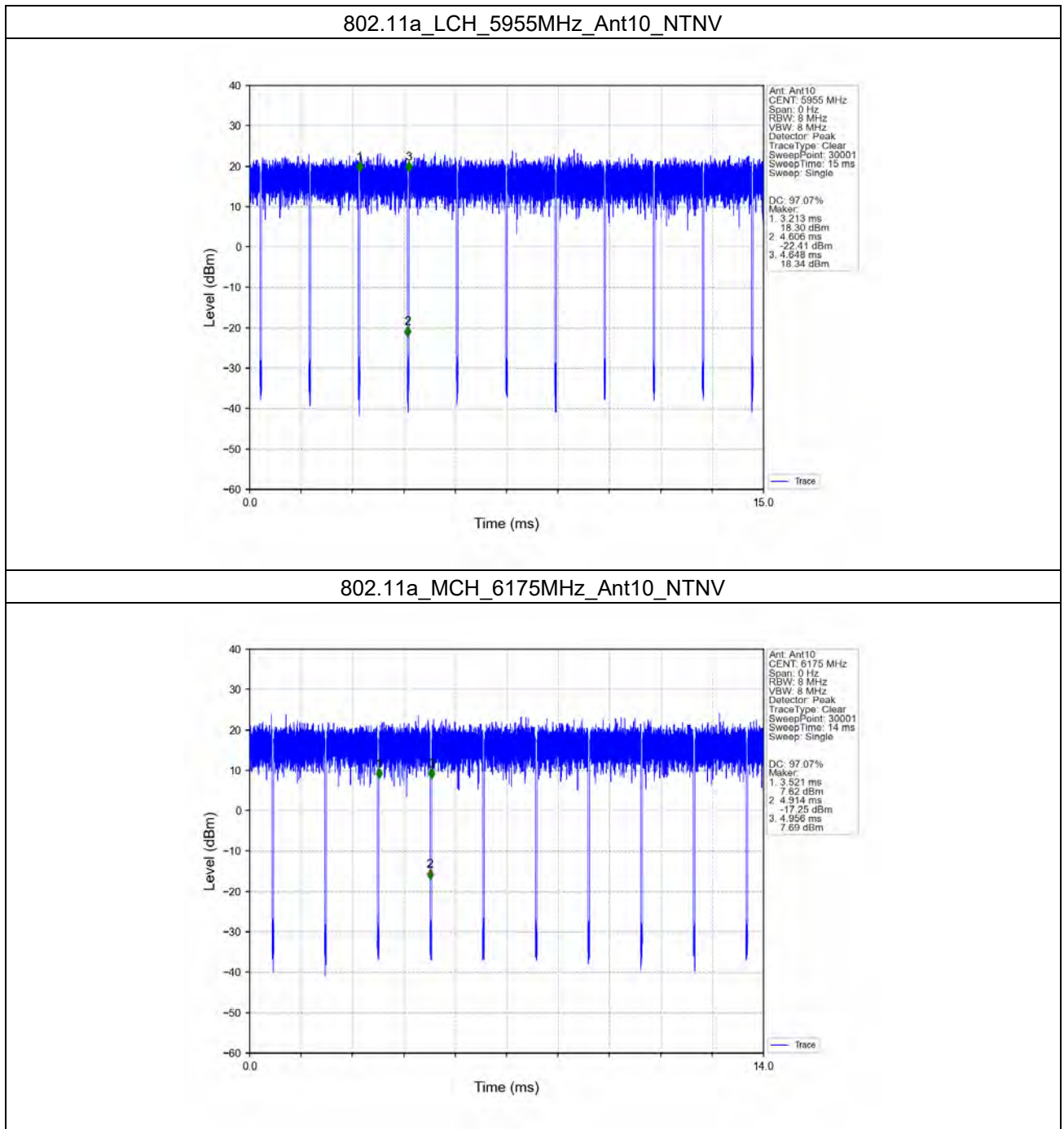
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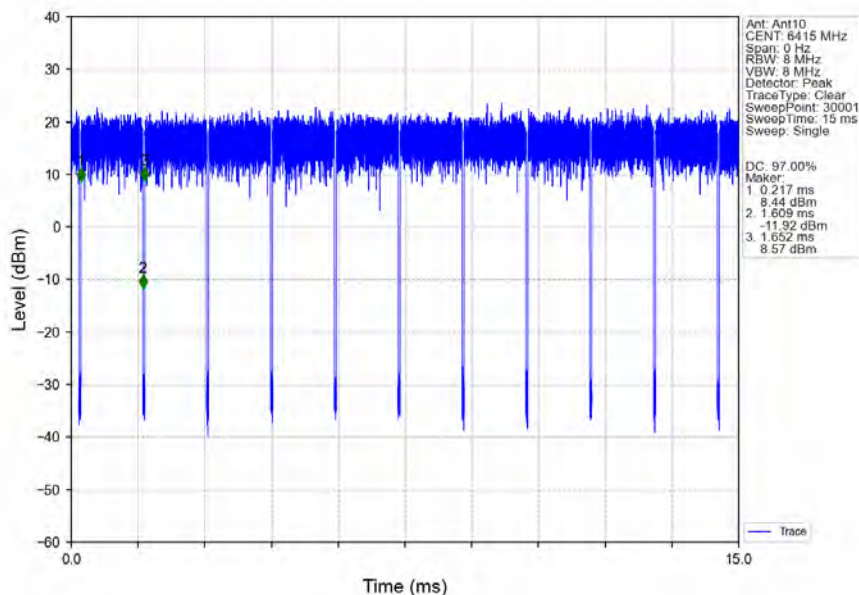
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1.2 Test Graph

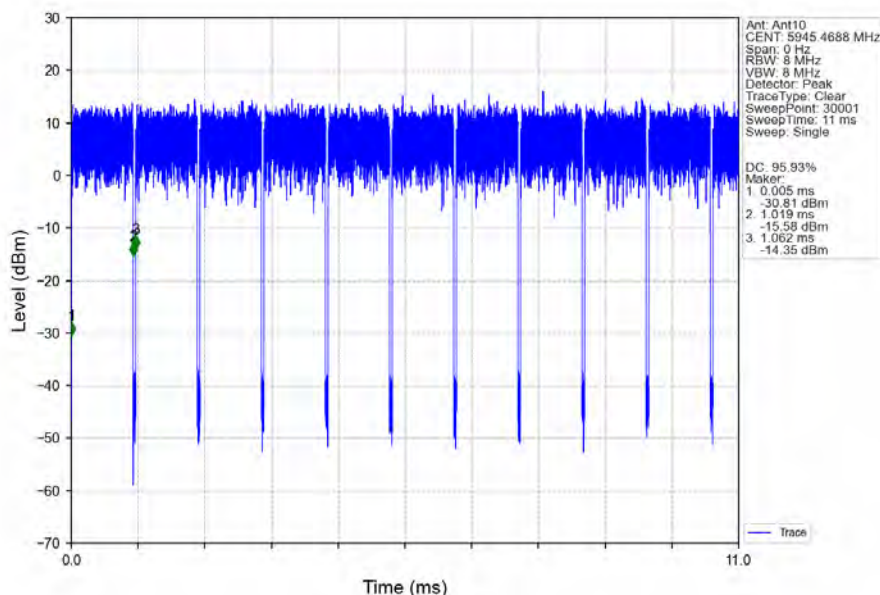
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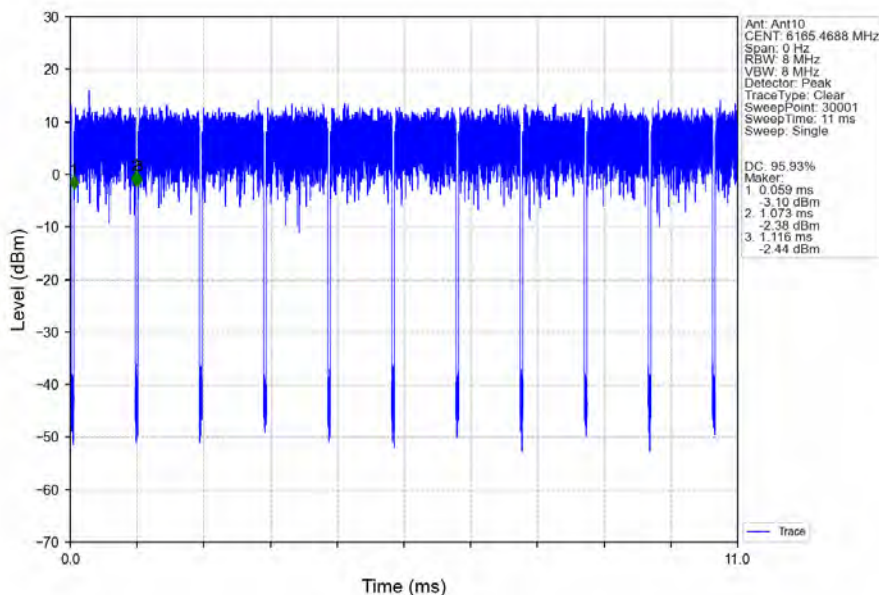
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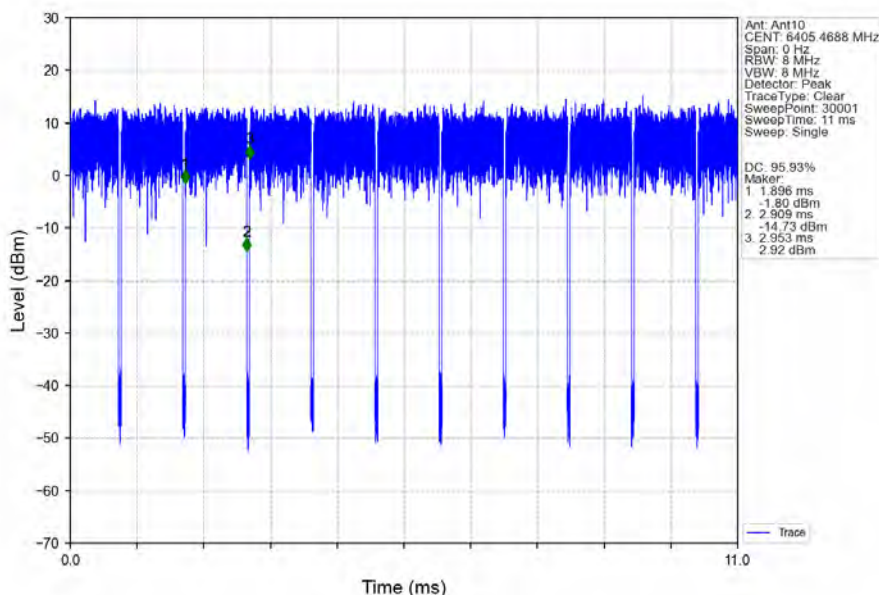
802.11ax(HEW20)_LCH_5955MHz_SU_ / _Ant10_NTNV



802.11ax(HEW20)_MCH_6175MHz_SU_/_Ant10_NTNV



802.11ax(HEW20)_HCH_6415MHz_SU_/_Ant10_NTNV



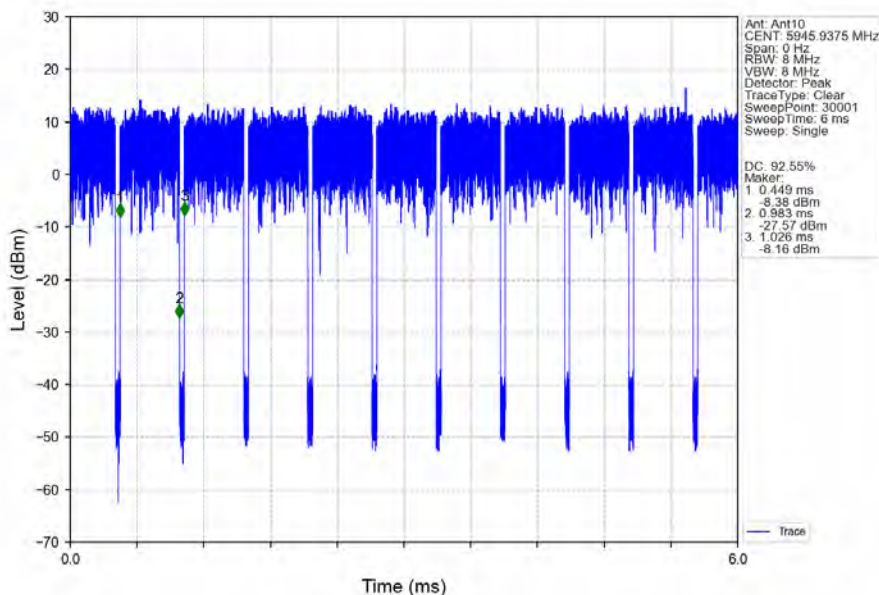
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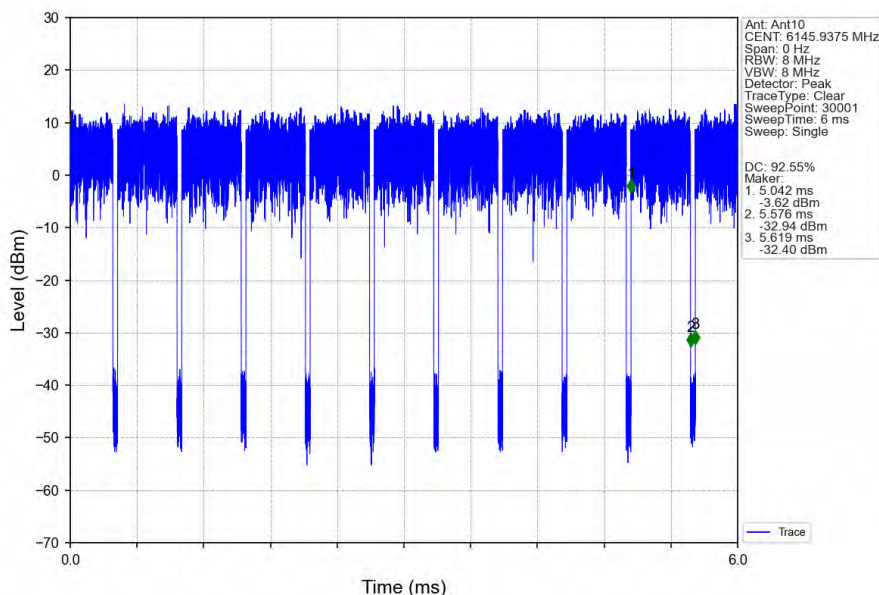
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802.11ax(HEW40)_LCH_5965MHz_SU_ / _Ant10_NTNV



802.11ax(HEW40)_MCH_6165MHz_SU_ / _Ant10_NTNV



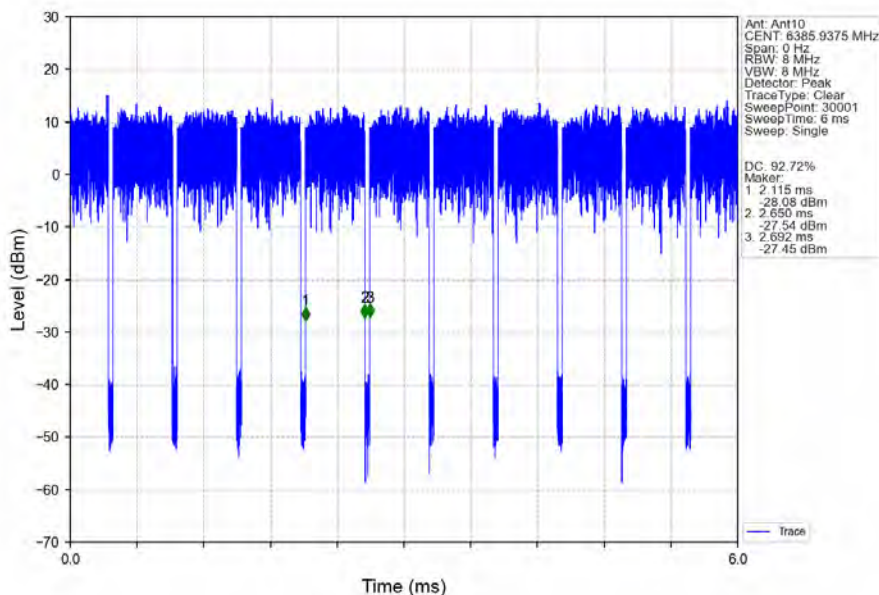
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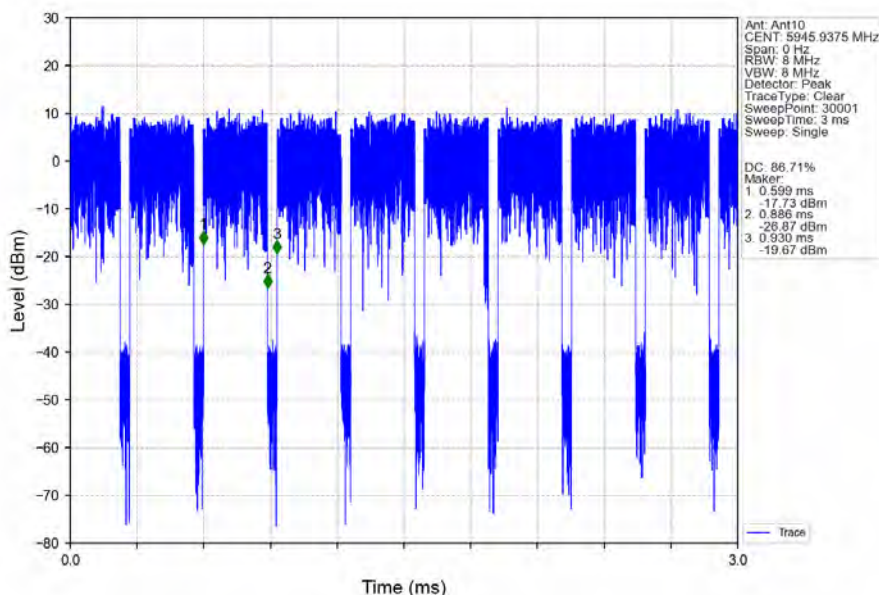
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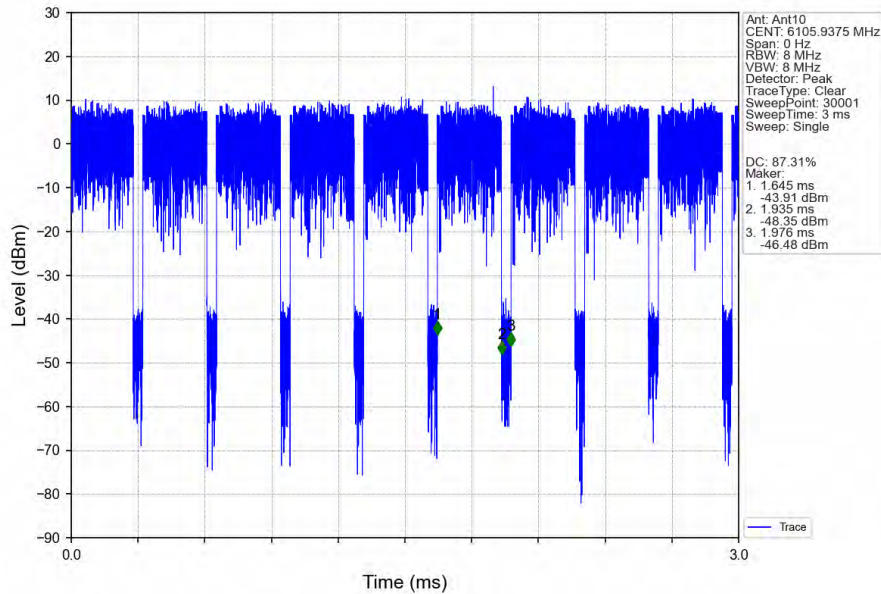
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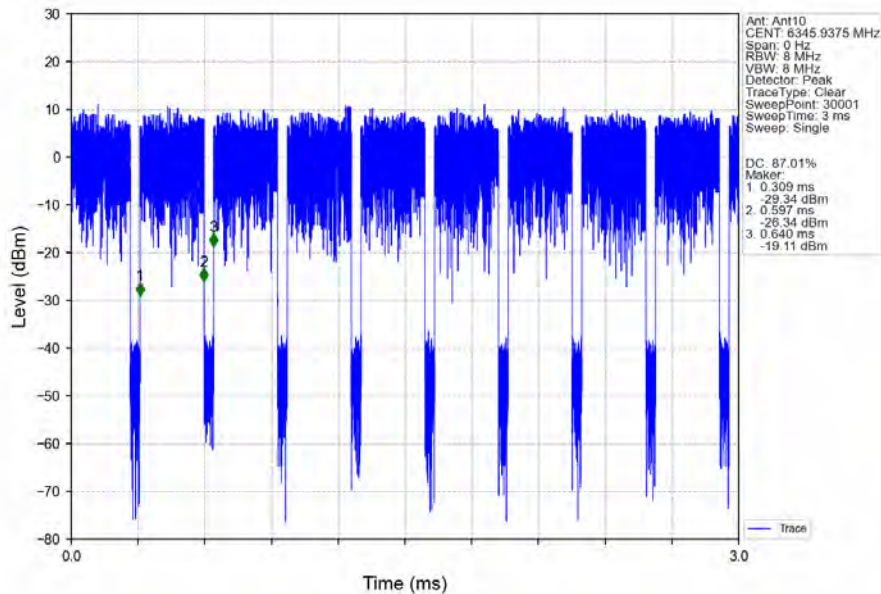
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802.11ax(HEW80)_MCH_6145MHz_SU_/_Ant10_NTNV

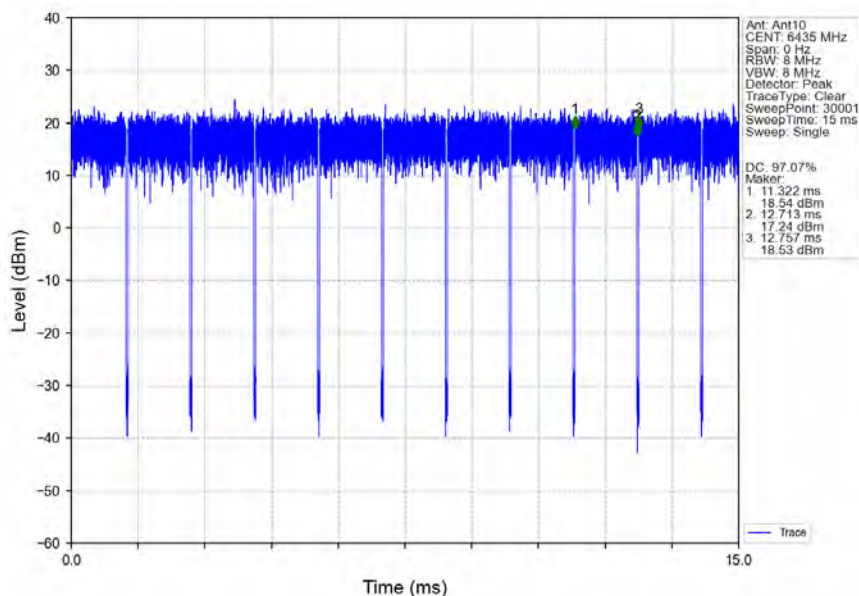


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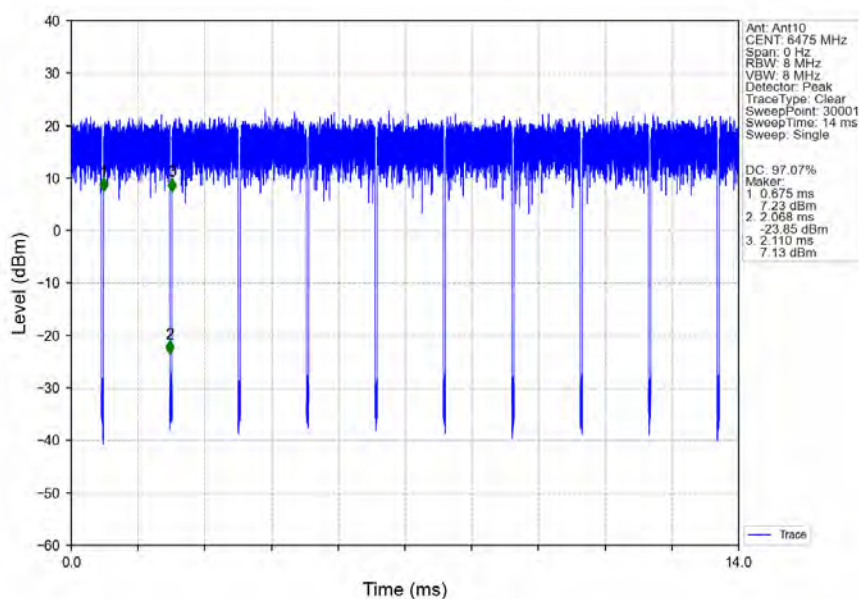


1.2.2 Ant10

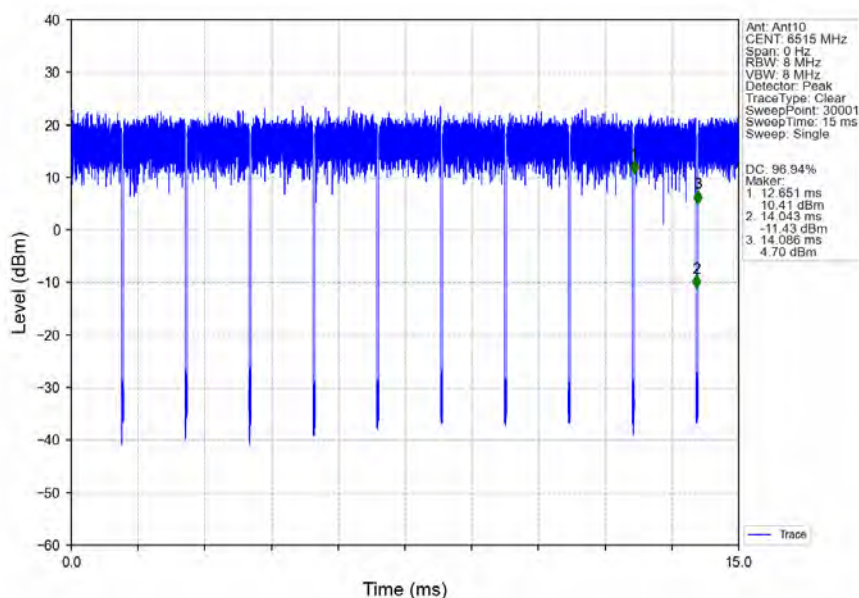
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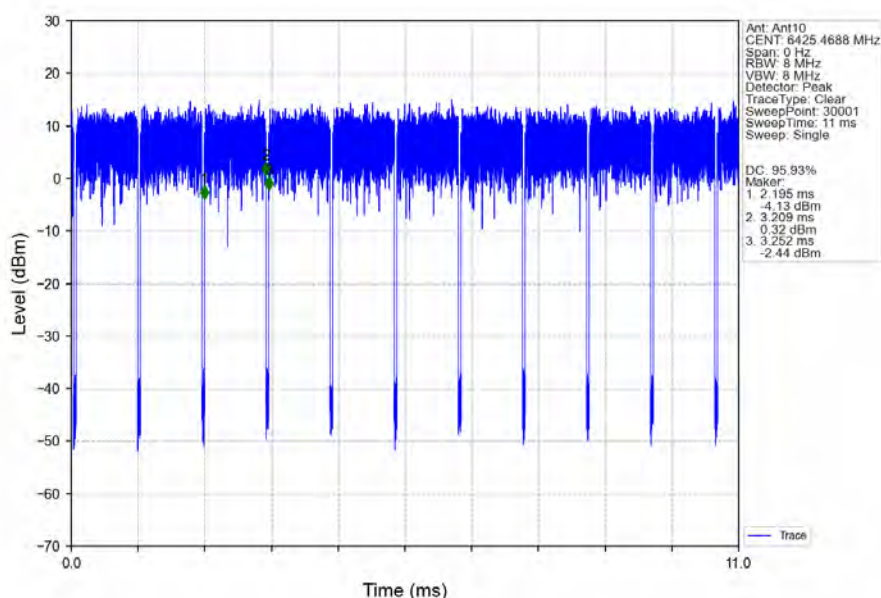
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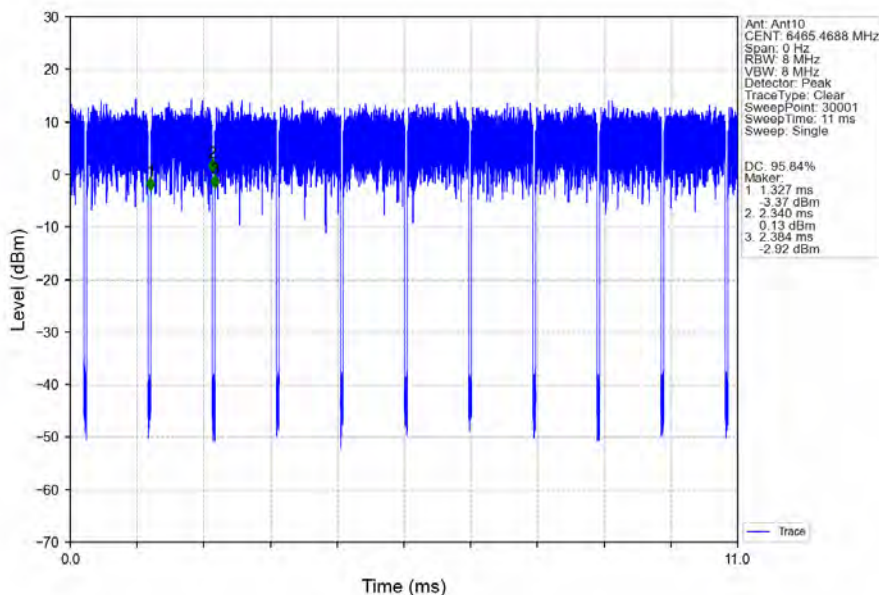
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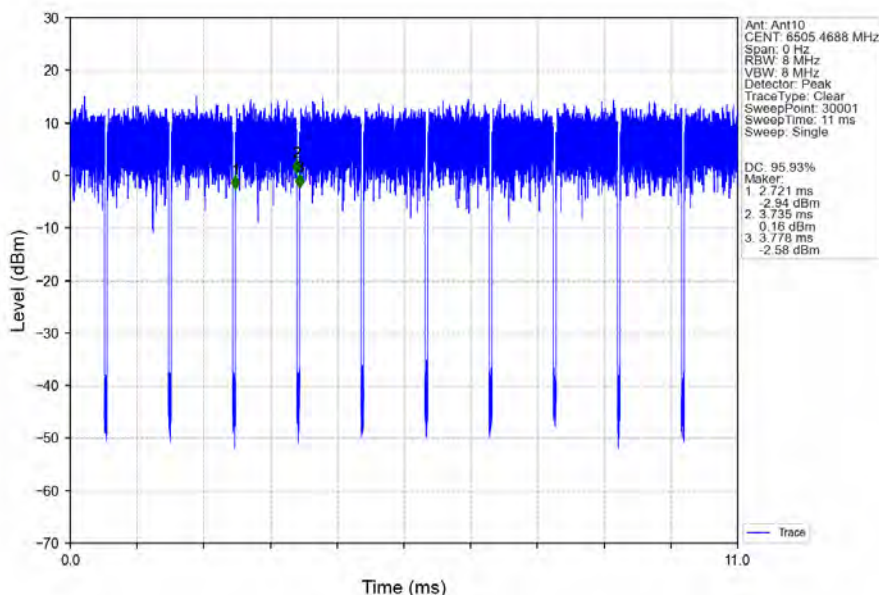
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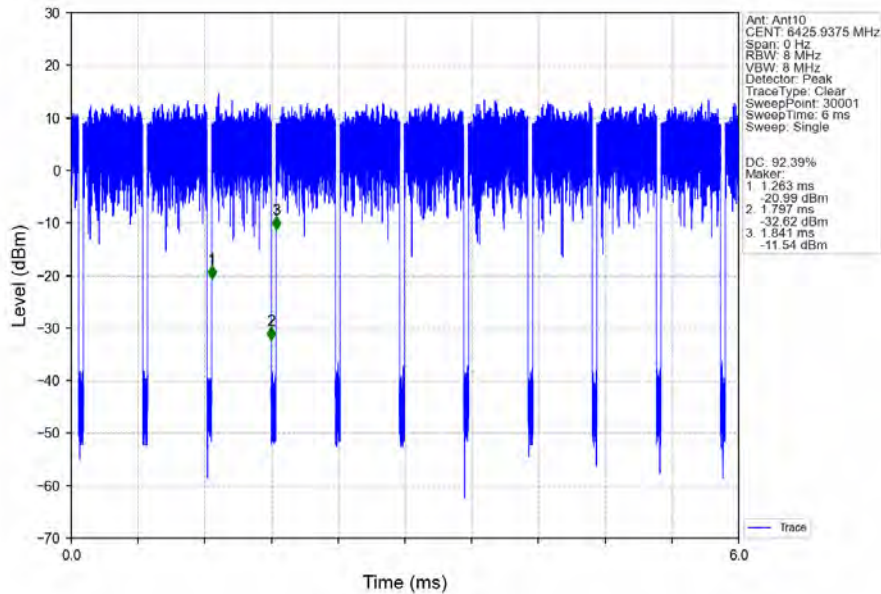
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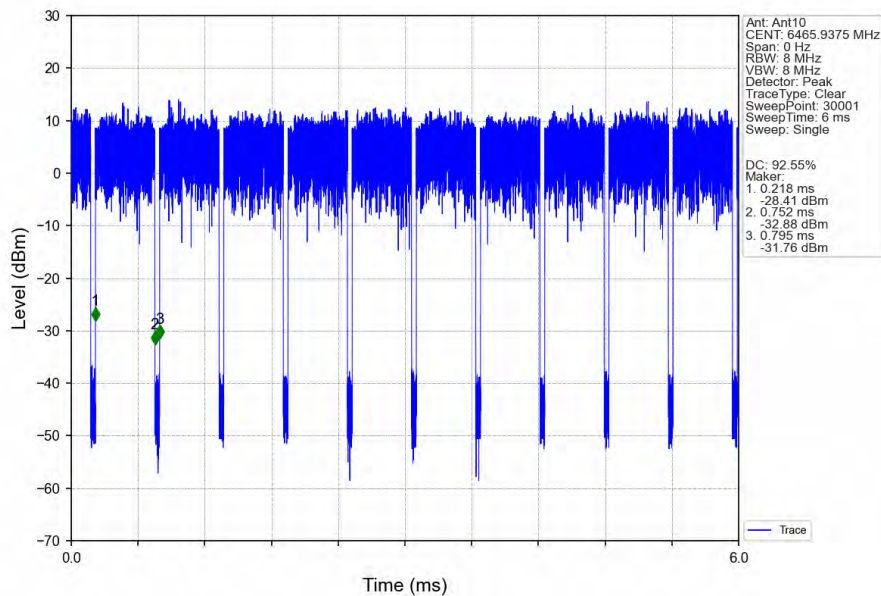
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802.11ax(HEW40)_LCH_6445MHz_SU_ / _Ant10_NTNV



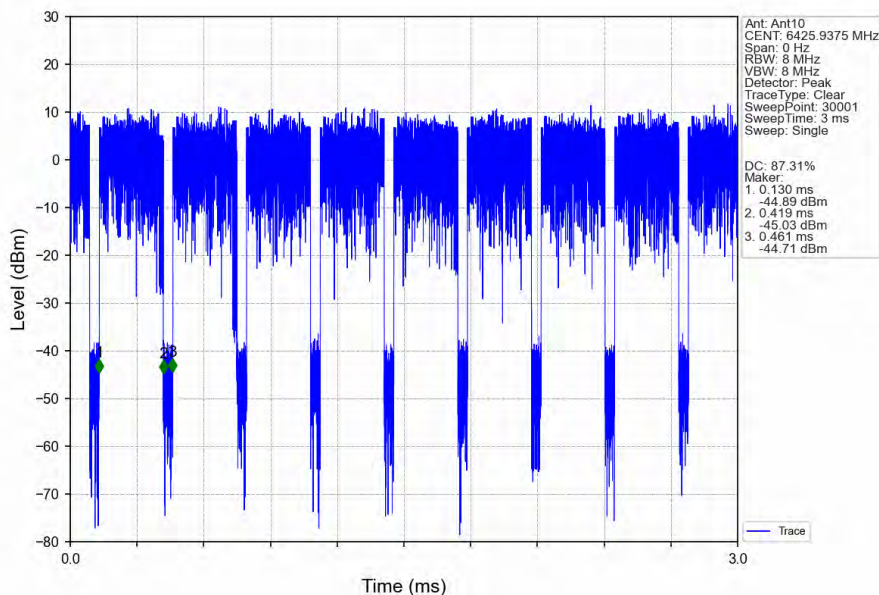
802.11ax(HEW40)_MCH_6485MHz_SU_ / _Ant10_NTNV



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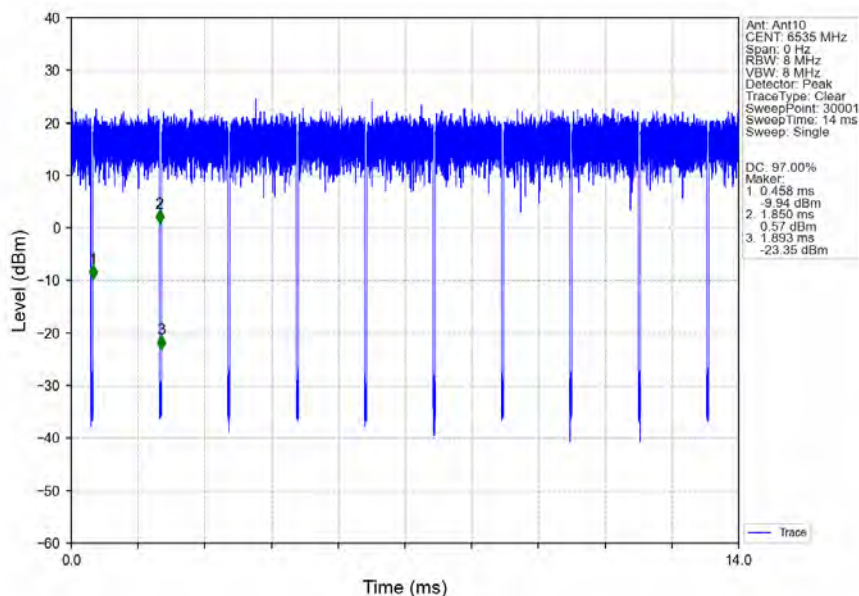
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802.11ax(HEW80)_LCH_6465MHz_SU_/_Ant10_NTNV

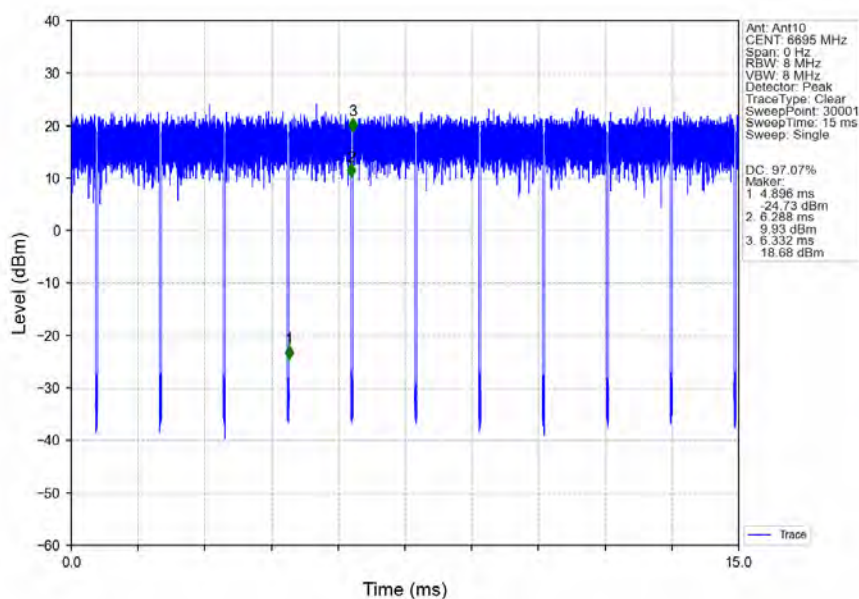


1.2.3 Ant10

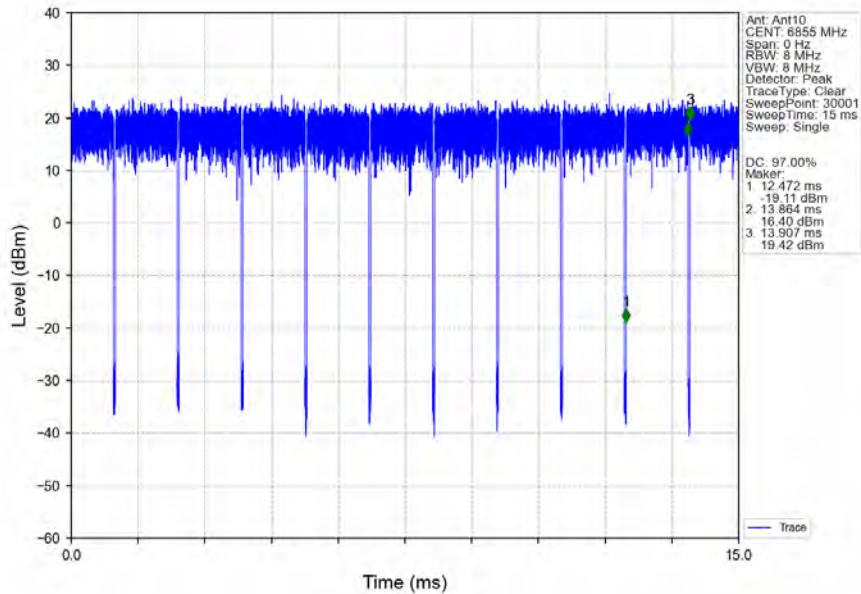
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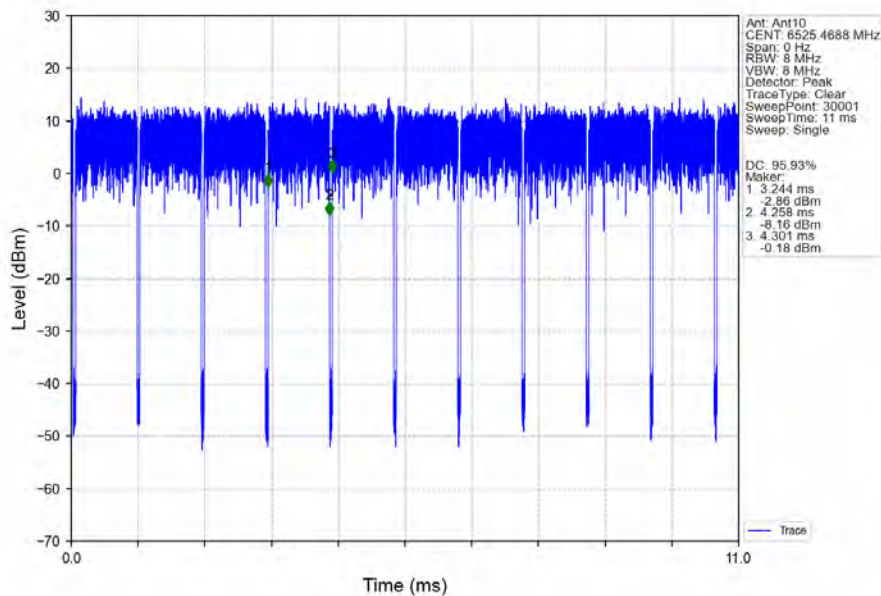
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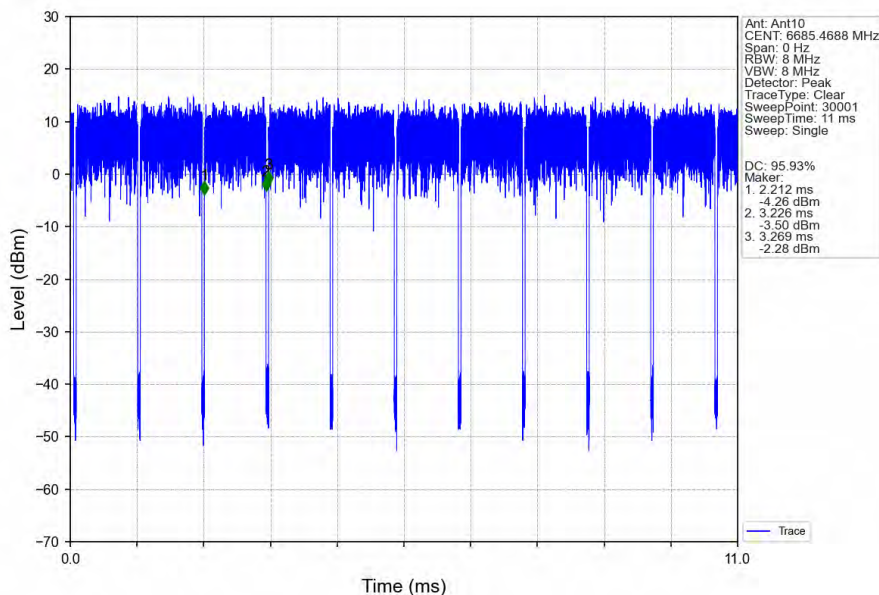
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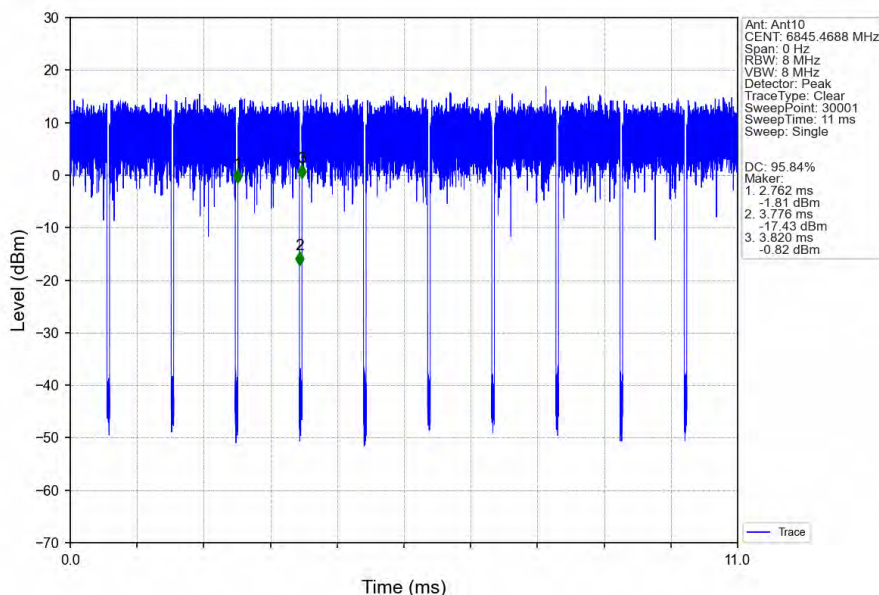
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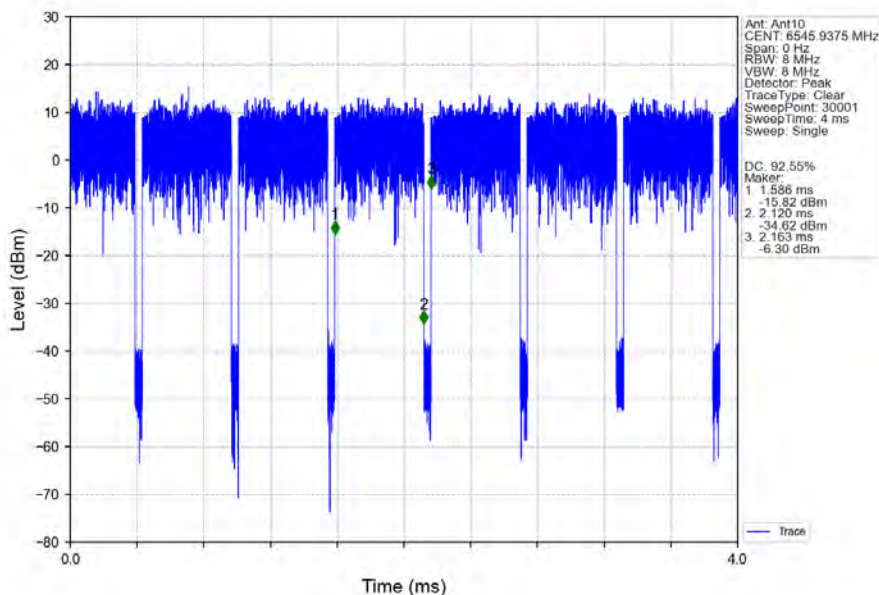
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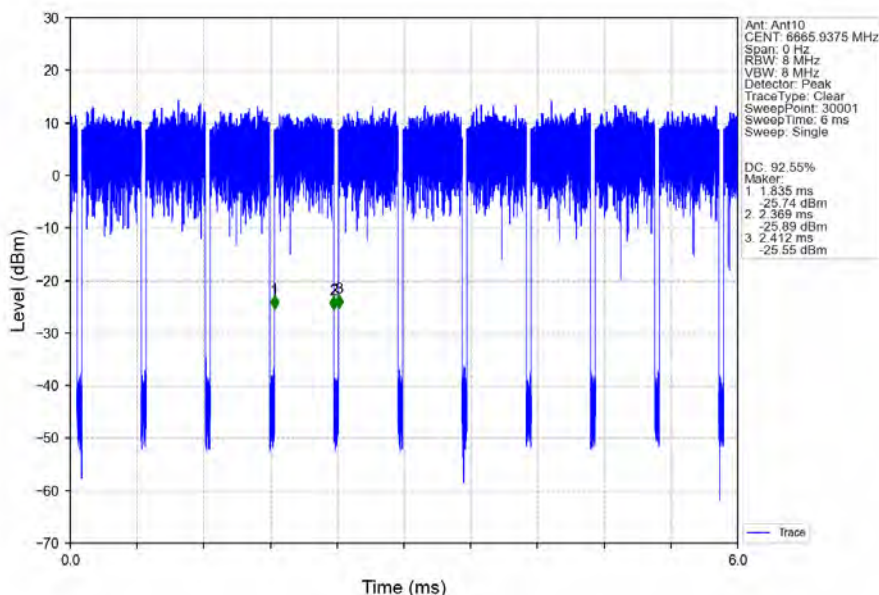
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802.11ax(HEW40)_LCH_6565MHz_SU_/_Ant10_NTNV



802.11ax(HEW40)_MCH_6685MHz_SU_/_Ant10_NTNV



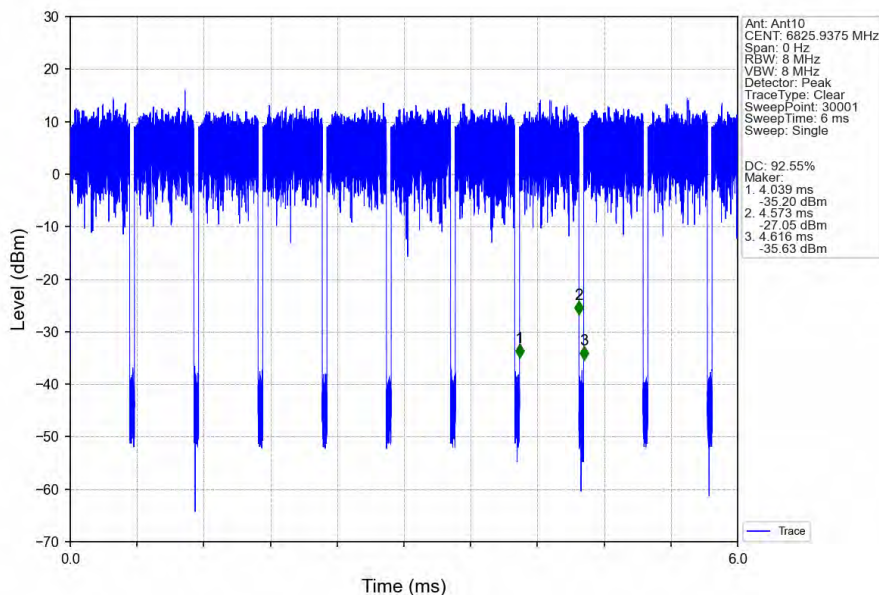
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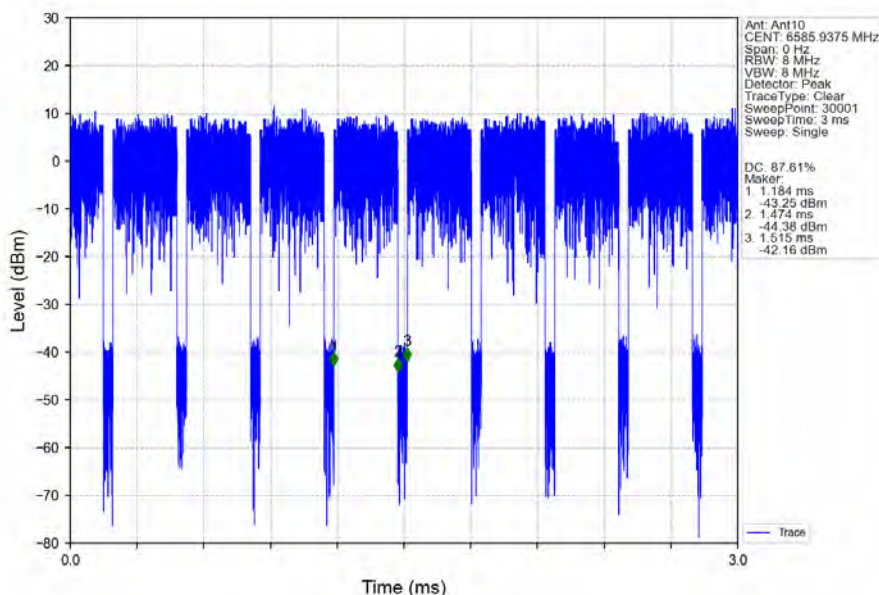
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802.11ax(HEW40)_HCH_6845MHz_SU_/_Ant10_NTNV



802.11ax(HEW80)_LCH_6625MHz_SU_/_Ant10_NTNV



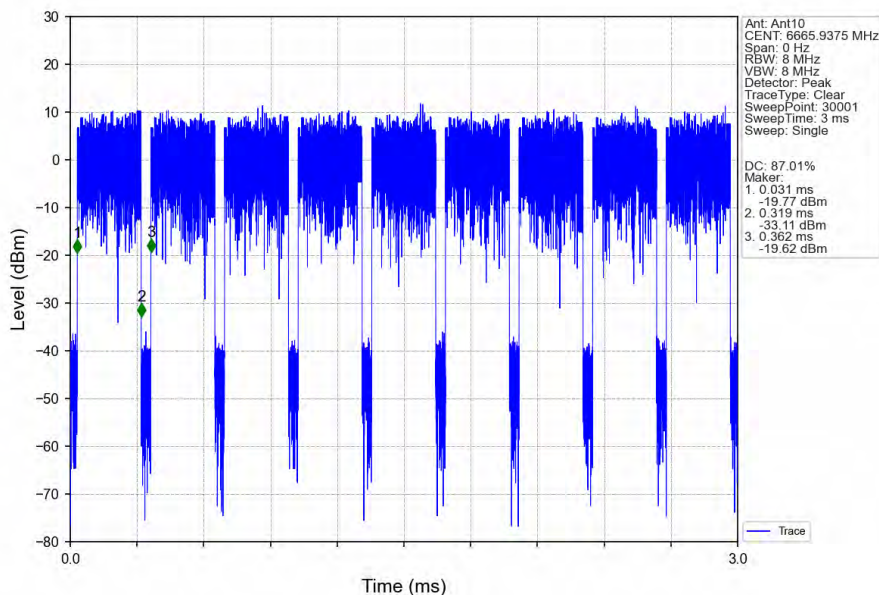
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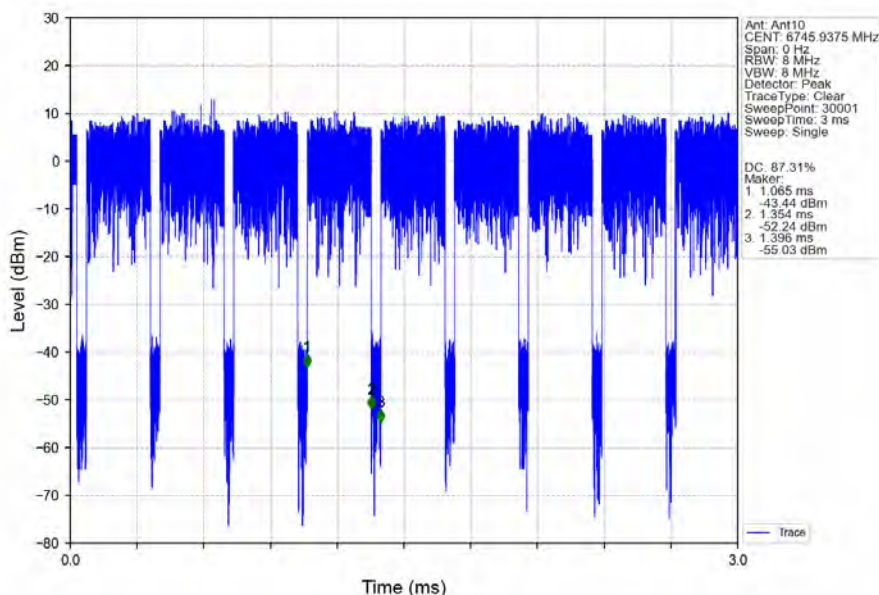
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802.11ax(HEW80)_MCH_6705MHz_SU_/_Ant10_NTNV



802.11ax(HEW80)_HCH_6785MHz_SU_/_Ant10_NTNV

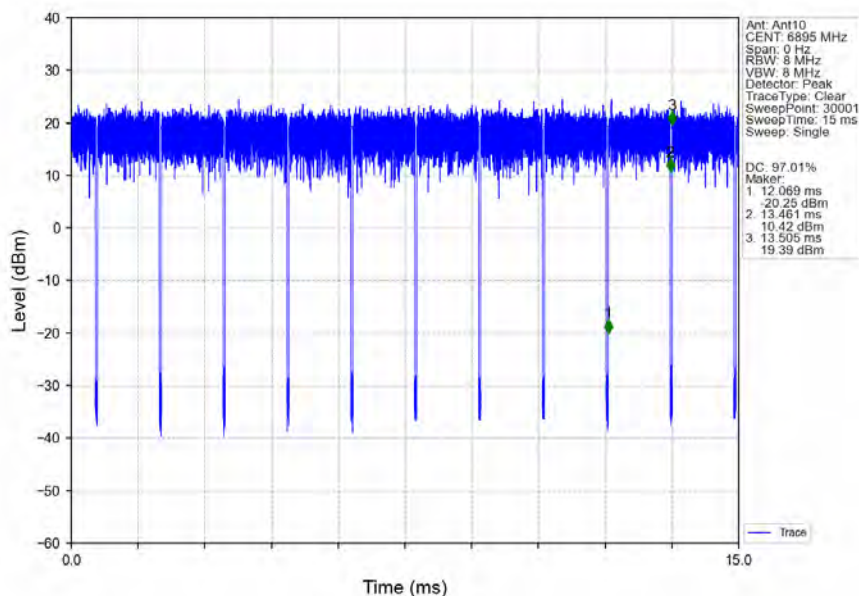


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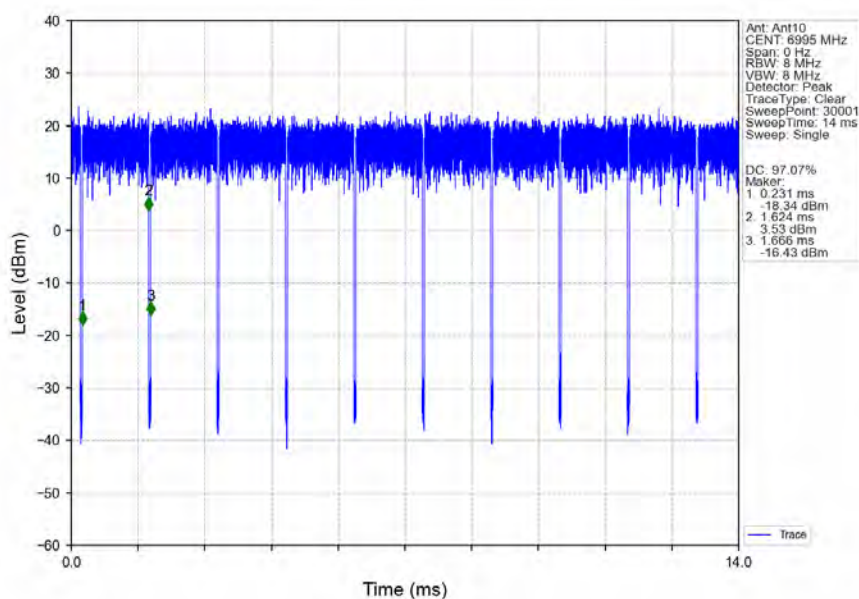
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1.2.4 Ant10

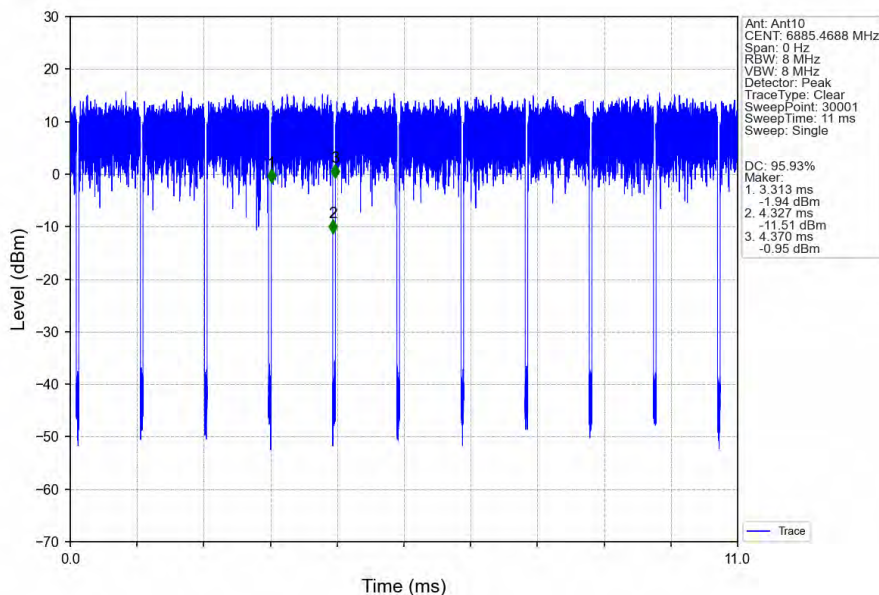
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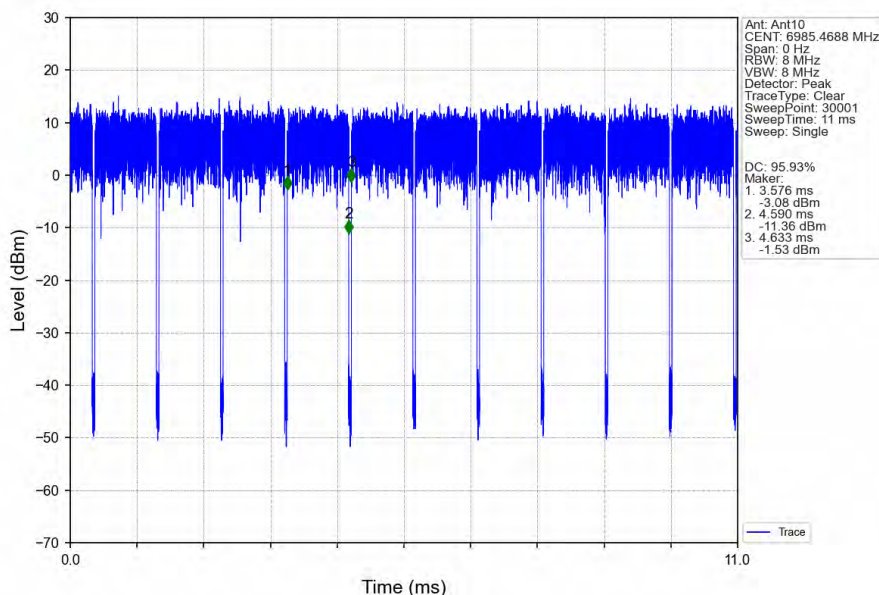
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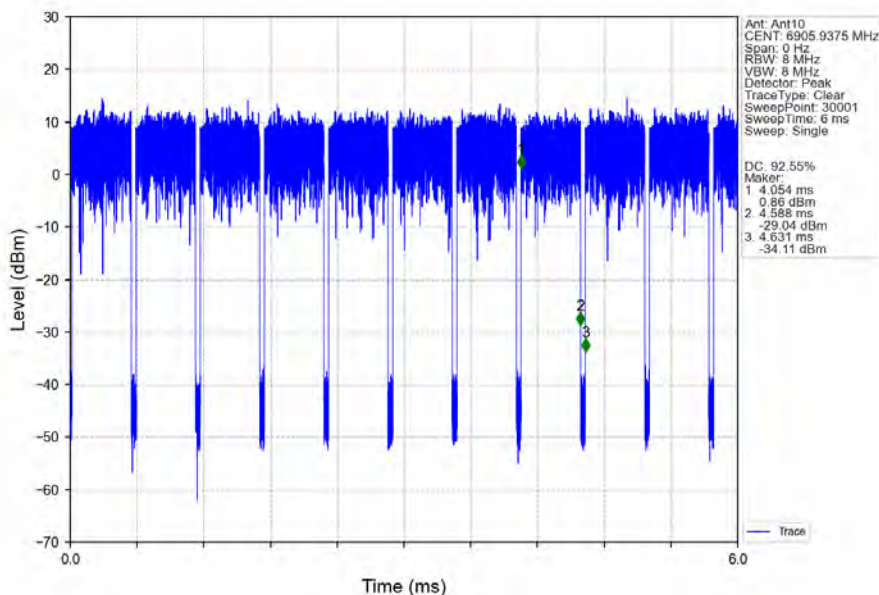
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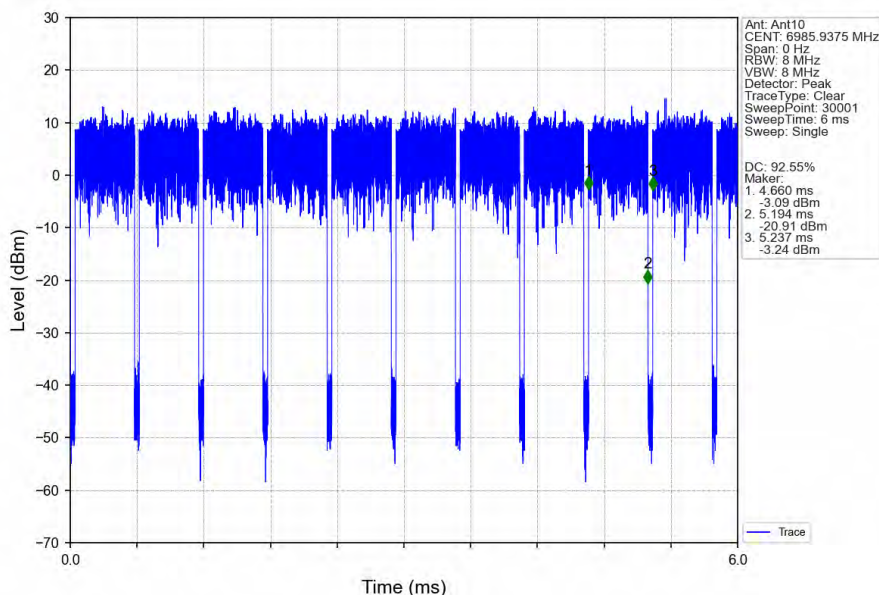
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802.11ax(HEW40)_LCH_6925MHz_SU_/_Ant10_NTNV



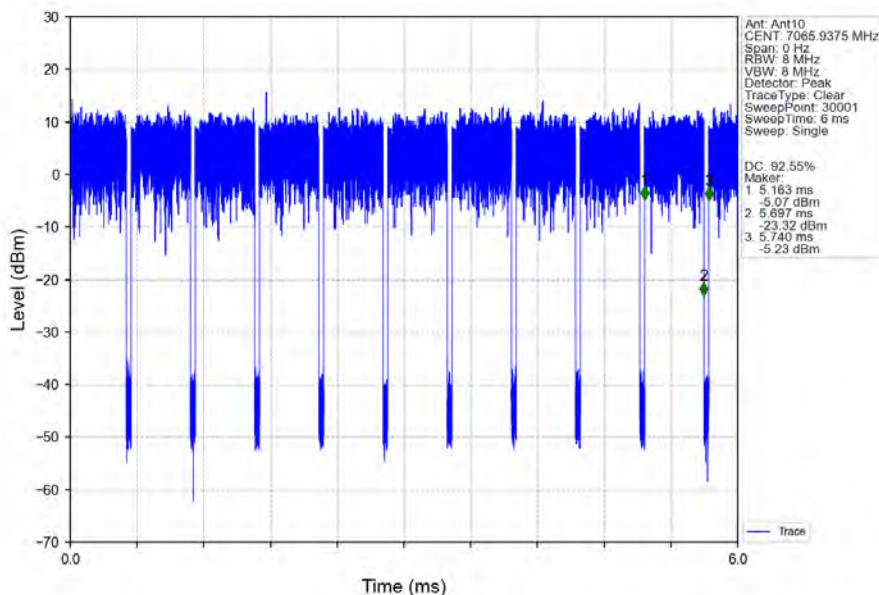
802.11ax(HEW40)_MCH_7005MHz_SU_/_Ant10_NTNV



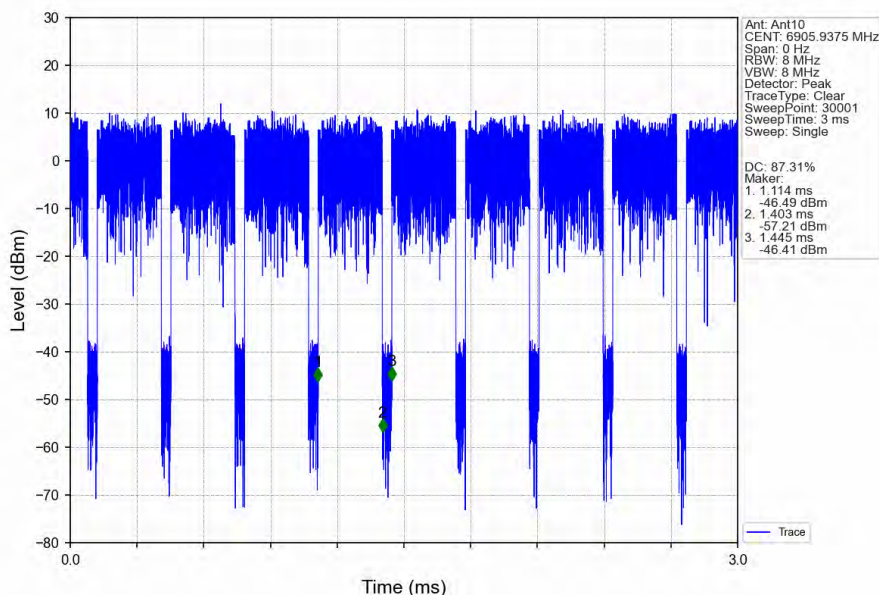
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802.11ax(HEW40)_HCH_7085MHz_SU_/_Ant10_NTNV



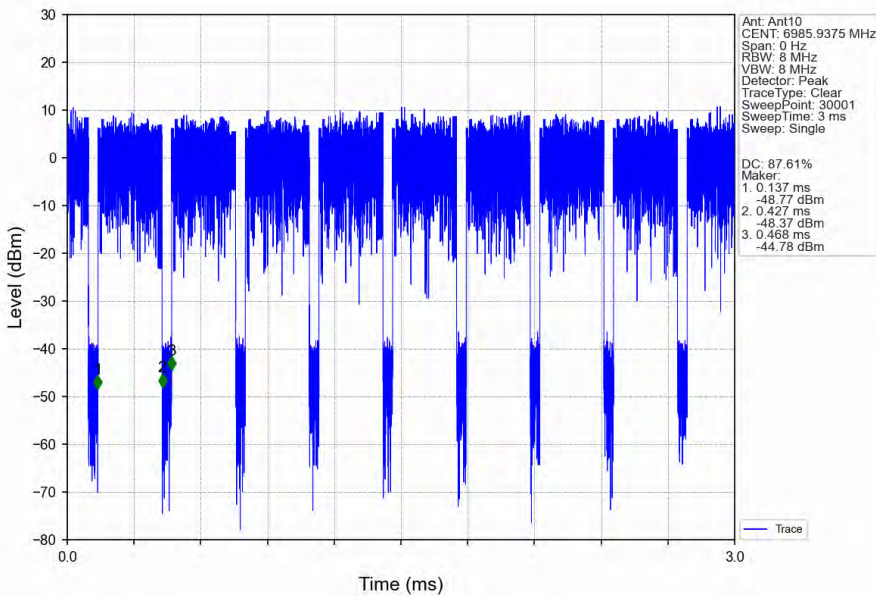
802.11ax(HEW80)_LCH_6945MHz_SU_/_Ant10_NTNV



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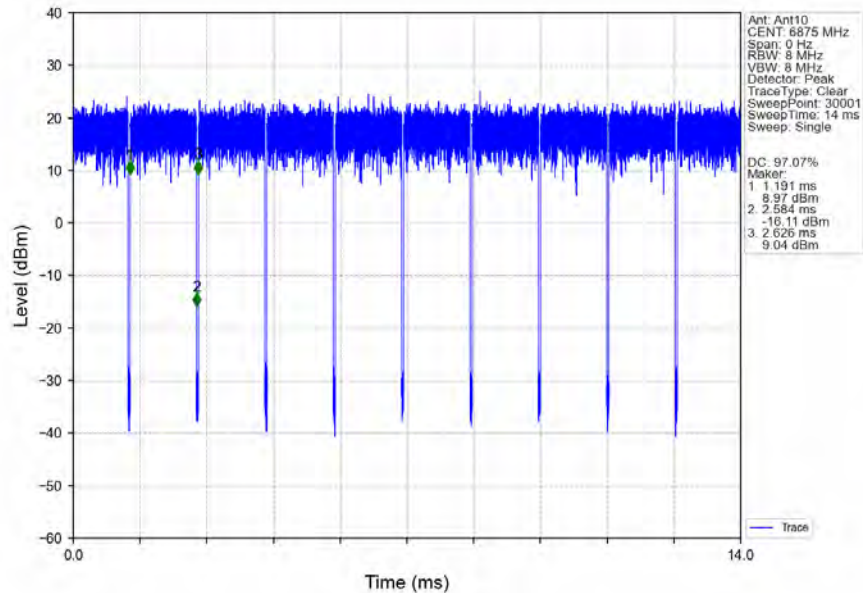
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802.11ax(HEW80)_HCH_7025MHz_SU_/_Ant10_NTNV

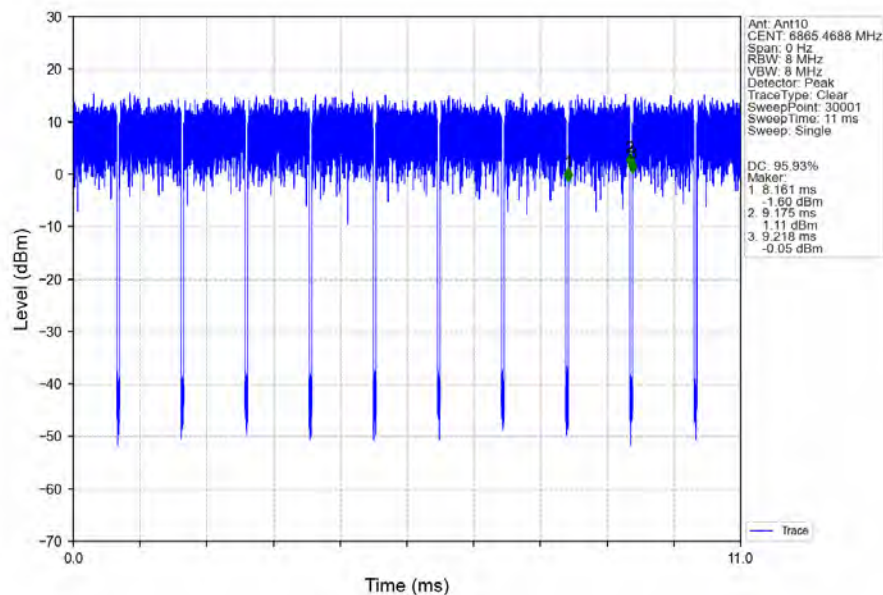


1.2.5 Ant10

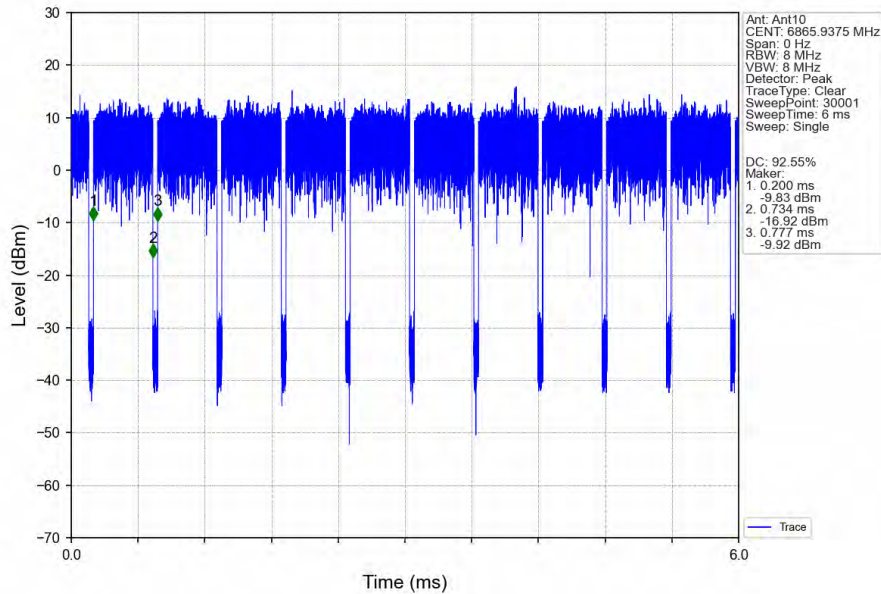
802.11a_HCH_6875MHz_Ant10_NTNV



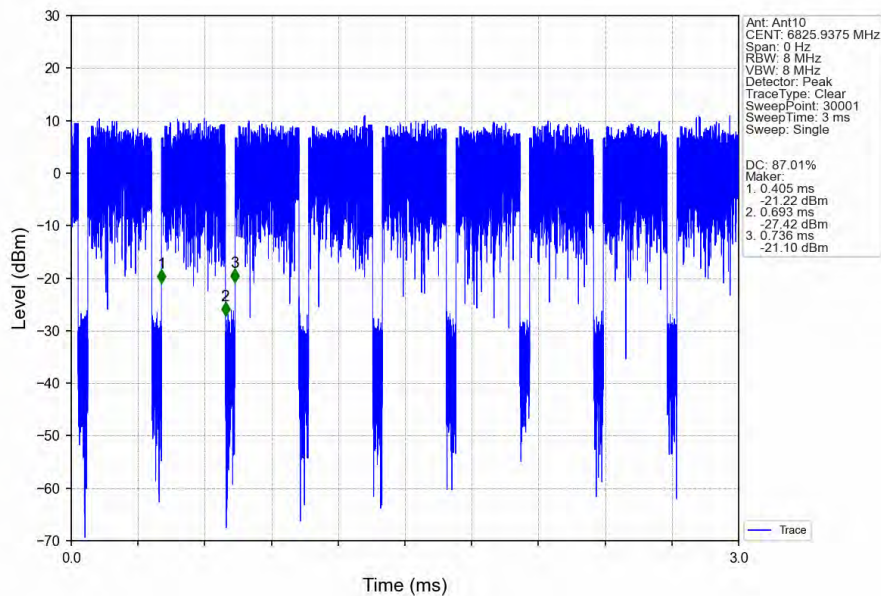
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802.11ax(HEW40)_HCH_6885MHz_SU_/_Ant10_NTNV

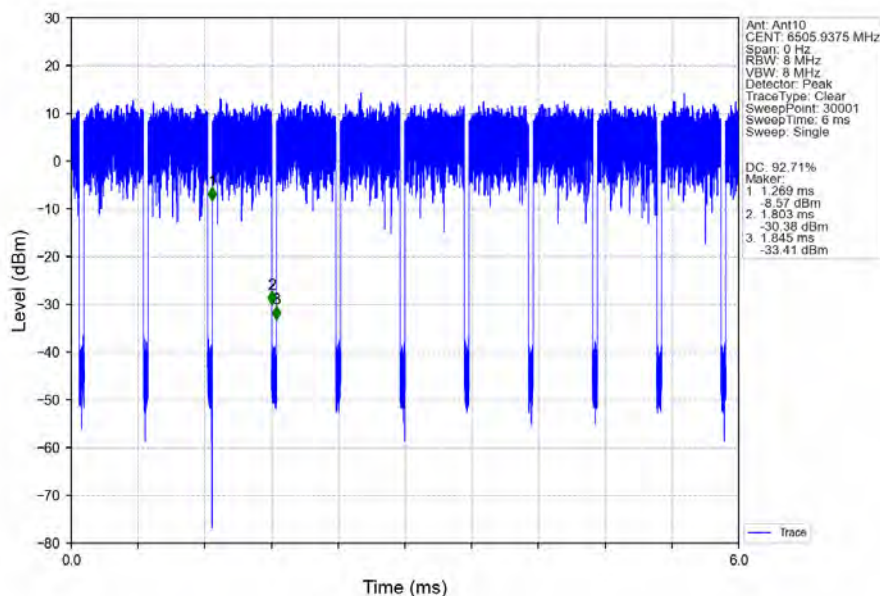


802.11ax(HEW80)_HCH_6865MHz_SU_/_Ant10_NTNV

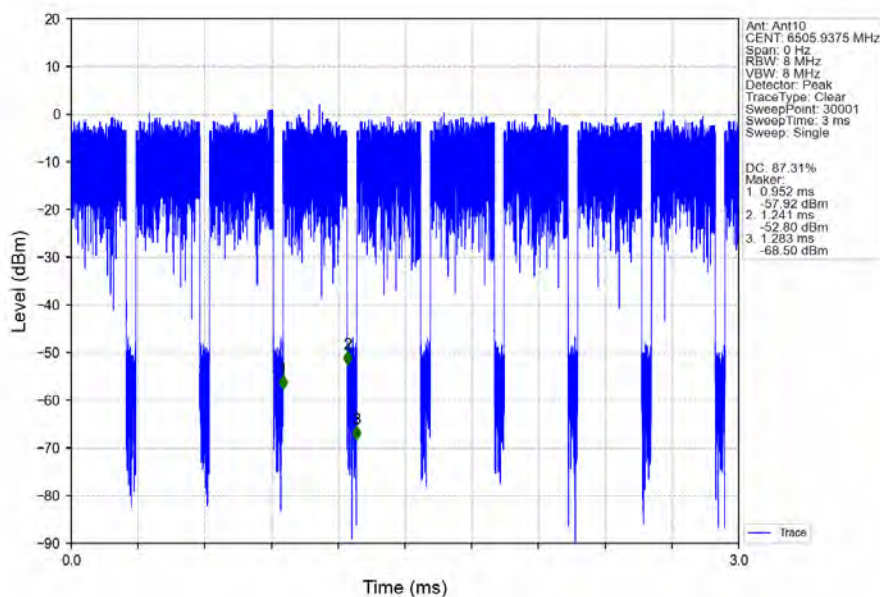


1.2.6 Ant10

802.11ax(HEW40)_HCH_6525MHz_SU_/_Ant10_NTNV



802.11ax(HEW80)_HCH_6545MHz_SU_/_Ant10_NTNV



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2. Bandwidth

2.1 Test Result

2.1.1 OBW

ENV	Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	99% Occupied Bandwidth (MHz)		Verdict
							Result	Limit	
NTNV	802.11a	SISO	5955	/	/	10	17.157	<=320	Pass
			6175	/	/	10	17.287	<=320	Pass
			6415	/	/	10	17.640	<=320	Pass
	802.11ax (HEW20)	MIMO	5955	SU	/	10	19.098	<=320	Pass
			6175	SU	/	10	19.106	<=320	Pass
			6415	SU	/	10	19.144	<=320	Pass
	802.11ax (HEW40)	MIMO	5965	SU	/	10	37.772	<=320	Pass
			6165	SU	/	10	37.757	<=320	Pass
			6405	SU	/	10	37.366	<=320	Pass
	802.11ax (HEW80)	MIMO	5985	SU	/	10	78.105	<=320	Pass
			6145	SU	/	10	78.346	<=320	Pass
			6385	SU	/	10	78.112	<=320	Pass

2.1.2 26dB BW

ENV	Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	26dB Bandwidth (MHz)		Verdict
							Result	Limit	
NTNV	802.11a	SISO	5955	/	/	10	21.762	/	Pass
			6175	/	/	10	22.431	/	Pass
			6415	/	/	10	26.730	/	Pass
	802.11ax (HEW20)	MIMO	5955	SU	/	10	21.420	/	Pass
			6175	SU	/	10	21.083	/	Pass
			6415	SU	/	10	23.287	/	Pass
	802.11ax (HEW40)	MIMO	5965	SU	/	10	39.453	/	Pass
			6165	SU	/	10	39.607	/	Pass
			6405	SU	/	10	39.610	/	Pass
	802.11ax (HEW80)	MIMO	5985	SU	/	10	80.651	/	Pass
			6145	SU	/	10	80.398	/	Pass
			6385	SU	/	10	80.322	/	Pass

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2.1.3 OBW

ENV	Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	99% Occupied Bandwidth (MHz)		Verdict
							Result	Limit	
NTNV	802.11a	SISO	6435	/	/	10	17.695	<=320	Pass
			6475	/	/	10	18.079	<=320	Pass
			6515	/	/	10	18.794	<=320	Pass
	802.11ax (HEW20)	MIMO	6435	SU	/	10	19.261	<=320	Pass
			6475	SU	/	10	19.255	<=320	Pass
			6515	SU	/	10	19.306	<=320	Pass
	802.11ax (HEW40)	MIMO	6445	SU	/	10	37.402	<=320	Pass
			6485	SU	/	10	38.053	<=320	Pass
	802.11ax (HEW80)	MIMO	6465	SU	/	10	78.087	<=320	Pass

2.1.4 26dB BW

ENV	Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	26dB Bandwidth (MHz)		Verdict
							Result	Limit	
NTNV	802.11a	SISO	6435	/	/	10	26.297	/	Pass
			6475	/	/	10	29.244	/	Pass
			6515	/	/	10	31.445	/	Pass
	802.11ax (HEW20)	MIMO	6435	SU	/	10	23.413	/	Pass
			6475	SU	/	10	25.854	/	Pass
			6515	SU	/	10	28.664	/	Pass
	802.11ax (HEW40)	MIMO	6445	SU	/	10	39.581	/	Pass
			6485	SU	/	10	45.245	/	Pass
	802.11ax (HEW80)	MIMO	6465	SU	/	10	80.264	/	Pass

2.1.5 OBW

ENV	Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	99% Occupied Bandwidth (MHz)		Verdict
							Result	Limit	
NTNV	802.11a	SISO	6535	/	/	10	18.416	<=320	Pass
			6695	/	/	10	19.356	<=320	Pass
			6855	/	/	10	19.750	<=320	Pass
	802.11ax (HEW20)	MIMO	6535	SU	/	10	19.311	<=320	Pass
			6695	SU	/	10	19.400	<=320	Pass
			6855	SU	/	10	19.465	<=320	Pass



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	802.11ax (HEW40)	MIMO	6565	SU	/	10	38.121	<=320	Pass
			6685	SU	/	10	38.075	<=320	Pass
			6845	SU	/	10	38.290	<=320	Pass
	802.11ax (HEW80)	MIMO	6625	SU	/	10	77.909	<=320	Pass
			6705	SU	/	10	78.093	<=320	Pass
			6785	SU	/	10	78.222	<=320	Pass

2.1.6 26dB BW

ENV	Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	26dB Bandwidth (MHz)		Verdict
							Result	Limit	
NTNV	802.11a	SISO	6535	/	/	10	31.164	/	Pass
			6695	/	/	10	30.699	/	Pass
			6855	/	/	10	31.028	/	Pass
	802.11ax (HEW20)	MIMO	6535	SU	/	10	27.614	/	Pass
			6695	SU	/	10	28.340	/	Pass
			6855	SU	/	10	32.863	/	Pass
	802.11ax (HEW40)	MIMO	6565	SU	/	10	48.138	/	Pass
			6685	SU	/	10	57.140	/	Pass
			6845	SU	/	10	49.173	/	Pass
	802.11ax (HEW80)	MIMO	6625	SU	/	10	80.355	/	Pass
			6705	SU	/	10	80.394	/	Pass
			6785	SU	/	10	80.582	/	Pass

2.1.7 OBW

ENV	Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	99% Occupied Bandwidth (MHz)		Verdict
							Result	Limit	
NTNV	802.11a	SISO	6895	/	/	10	20.809	<=320	Pass
			6995	/	/	10	21.446	<=320	Pass
	802.11ax (HEW20)	MIMO	6895	SU	/	10	19.551	<=320	Pass
			6995	SU	/	10	19.362	<=320	Pass
	802.11ax (HEW40)	MIMO	6925	SU	/	10	38.219	<=320	Pass
			7005	SU	/	10	38.372	<=320	Pass
			7085	SU	/	10	38.537	<=320	Pass
	802.11ax (HEW80)	MIMO	6945	SU	/	10	78.346	<=320	Pass
			7025	SU	/	10	78.497	<=320	Pass

2.1.8 26dB BW



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ENV	Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	26dB Bandwidth (MHz)		Verdict
							Result	Limit	
NTNV	802.11a	SISO	6895	/	/	10	32.725	/	Pass
			6995	/	/	10	33.567	/	Pass
	802.11ax (HEW20)	MIMO	6895	SU	/	10	32.816	/	Pass
			6995	SU	/	10	33.047	/	Pass
	802.11ax (HEW40)	MIMO	6925	SU	/	10	61.716	/	Pass
			7005	SU	/	10	51.739	/	Pass
			7085	SU	/	10	61.302	/	Pass
	802.11ax (HEW80)	MIMO	6945	SU	/	10	80.437	/	Pass
			7025	SU	/	10	80.293	/	Pass

2.1.9 OBW

ENV	Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	99% Occupied Bandwidth (MHz)		Verdict
							Result	Limit	
NTNV	802.11a	SISO	6875	/	/	10	17.531	<=320	Pass
	802.11ax (HEW20)	MIMO	6875	SU	/	10	19.301	<=320	Pass
	802.11ax (HEW40)	MIMO	6885	SU	/	10	37.905	<=320	Pass
	802.11ax (HEW80)	MIMO	6865	SU	/	10	78.098	<=320	Pass

2.1.10 26dB BW

ENV	Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	26dB Bandwidth (MHz)		Verdict
							Result	Limit	
NTNV	802.11a	SISO	6875	/	/	10	26.144	/	Pass
	802.11ax (HEW20)	MIMO	6875	SU	/	10	22.024	/	Pass
	802.11ax (HEW40)	MIMO	6885	SU	/	10	39.581	/	Pass
	802.11ax (HEW80)	MIMO	6865	SU	/	10	80.526	/	Pass

2.1.11 OBW

ENV	Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	99% Occupied Bandwidth (MHz)		Verdict
							Result	Limit	
NTNV	802.11ax	MIMO	6525	SU	/	10	37.823	<=320	Pass



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	(HEW40)								
	802.11ax (HEW80)	MIMO	6545	SU	/	10	77.770	<=320	Pass

2.1.12 26dB BW

ENV	Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	26dB Bandwidth (MHz)		Verdict
							Result	Limit	
NTNV	802.11ax (HEW40)	MIMO	6525	SU	/	10	39.668	/	Pass
	802.11ax (HEW80)	MIMO	6545	SU	/	10	80.513	/	Pass



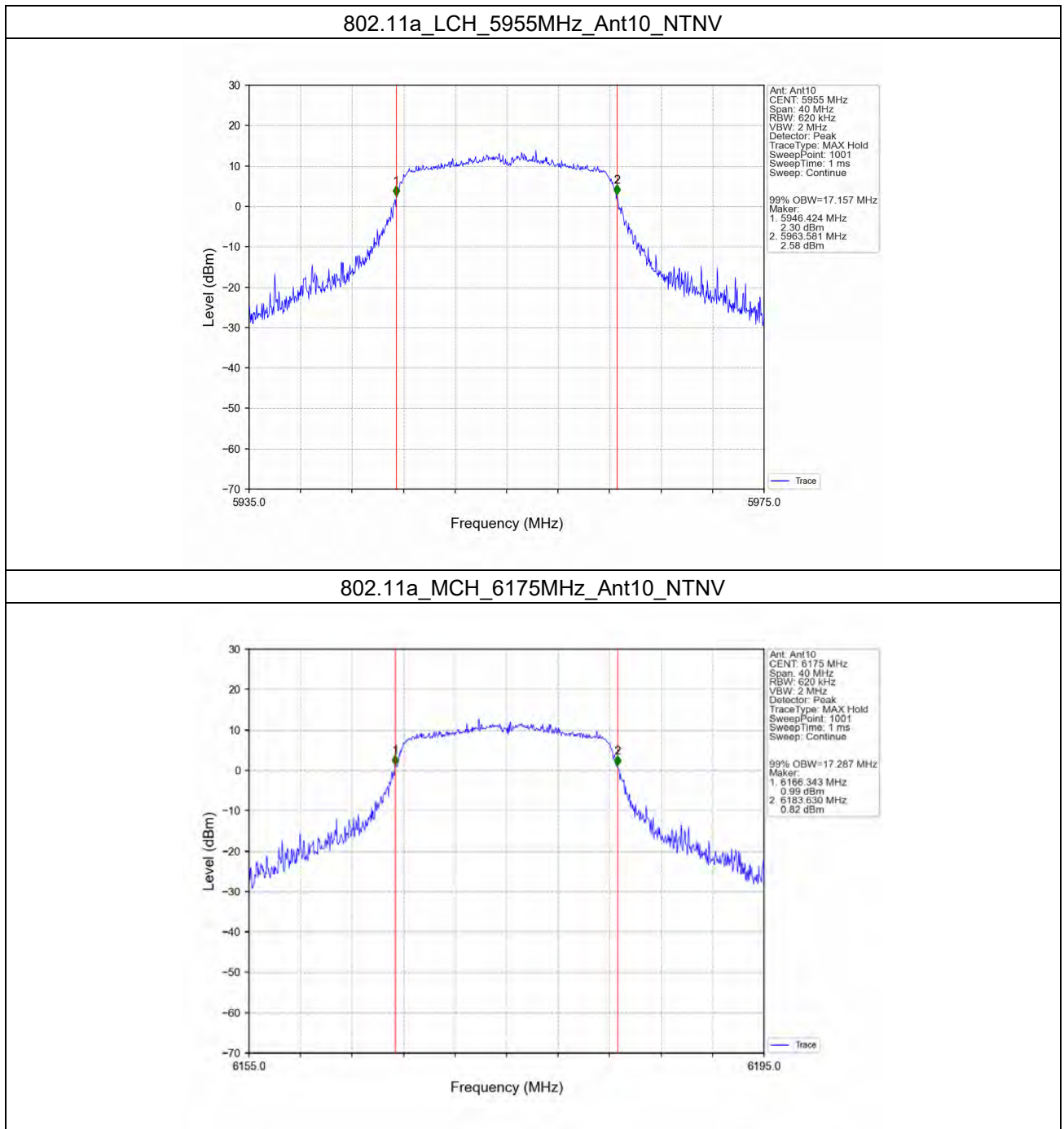
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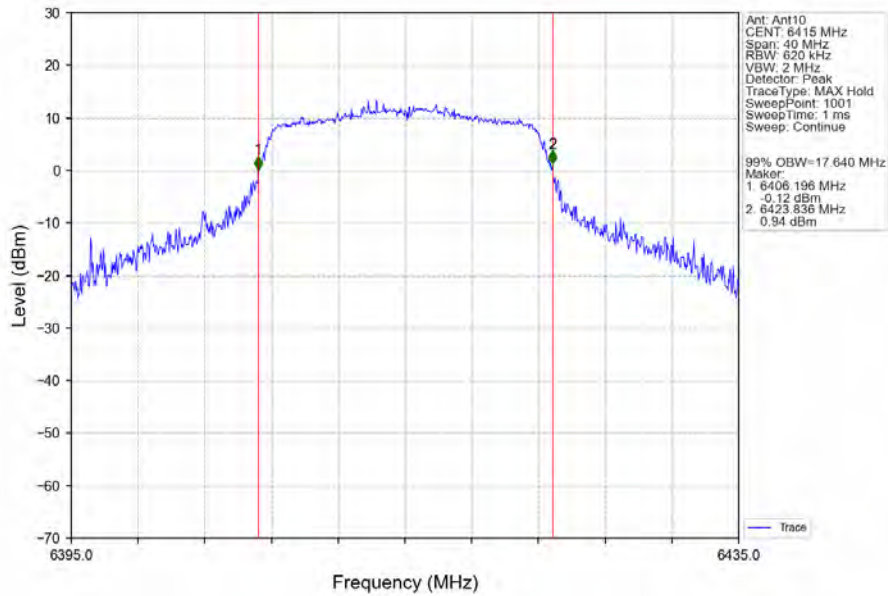
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2.2 Test Graph

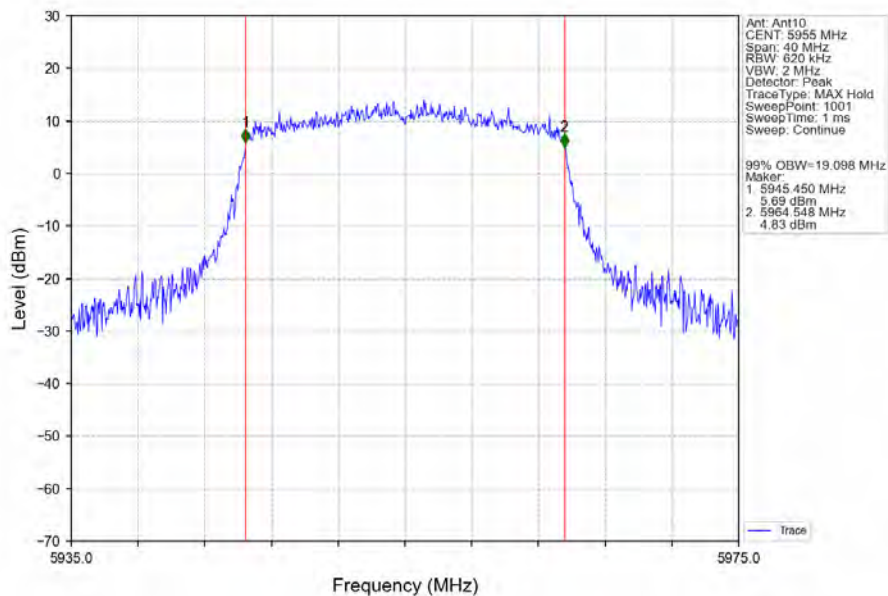
2.2.1 OBW



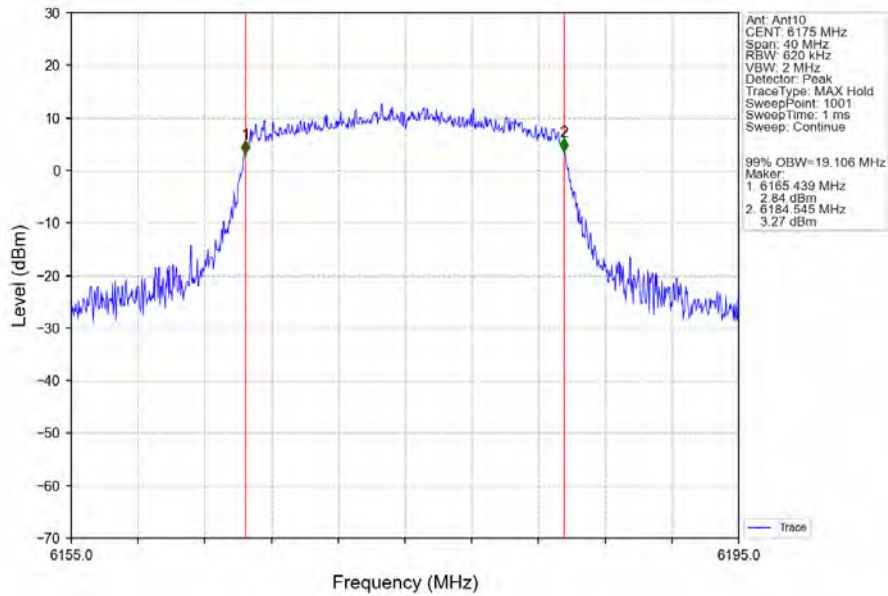
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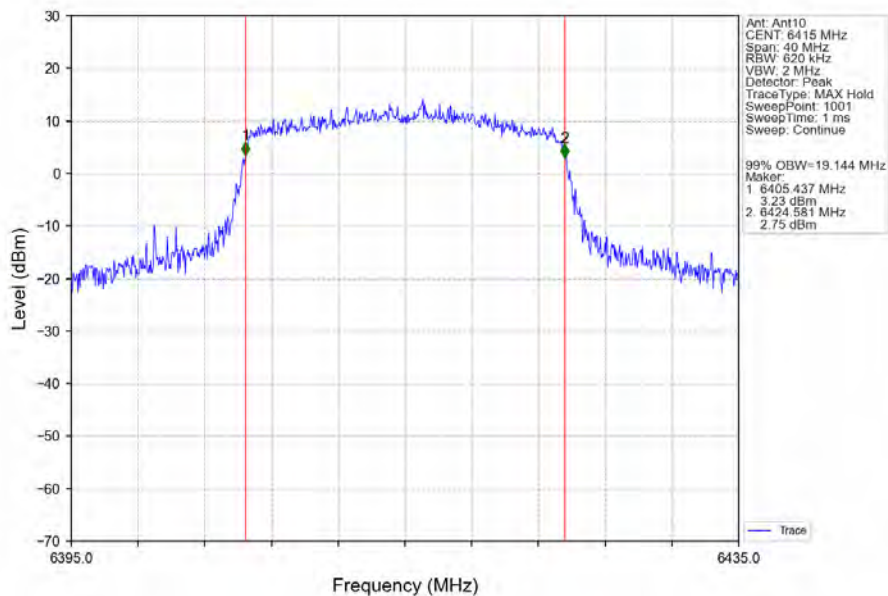
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802.11ax(HEW20)_MCH_6175MHz_SU_ / _Ant10_NTNV



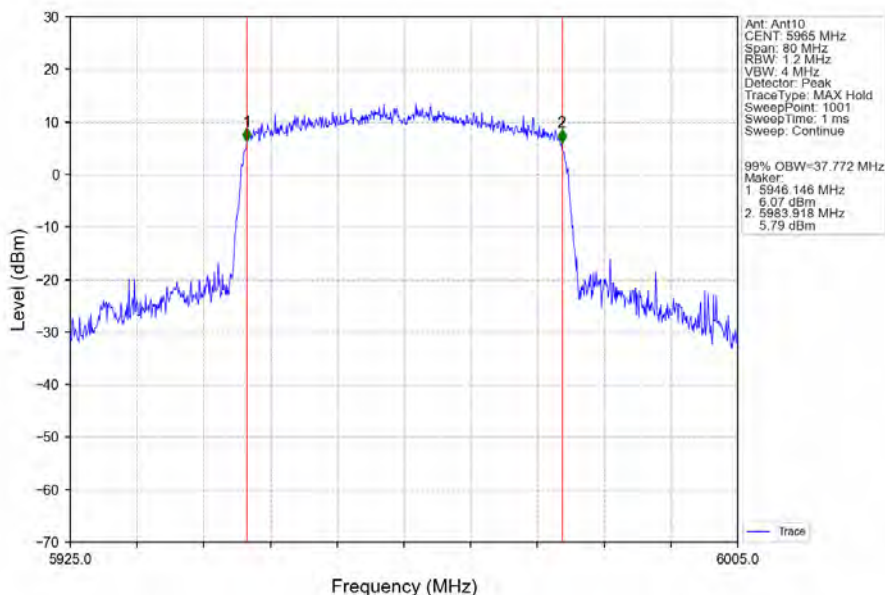
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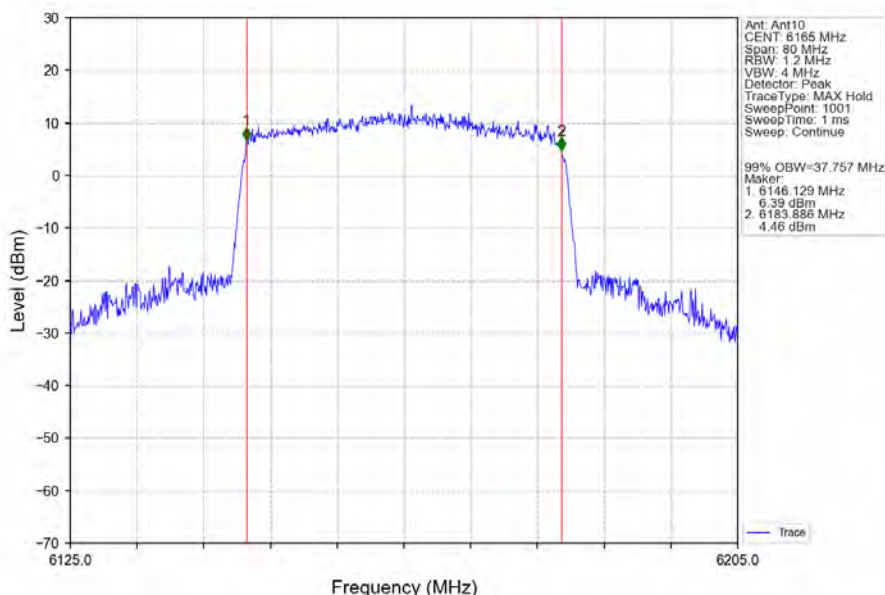
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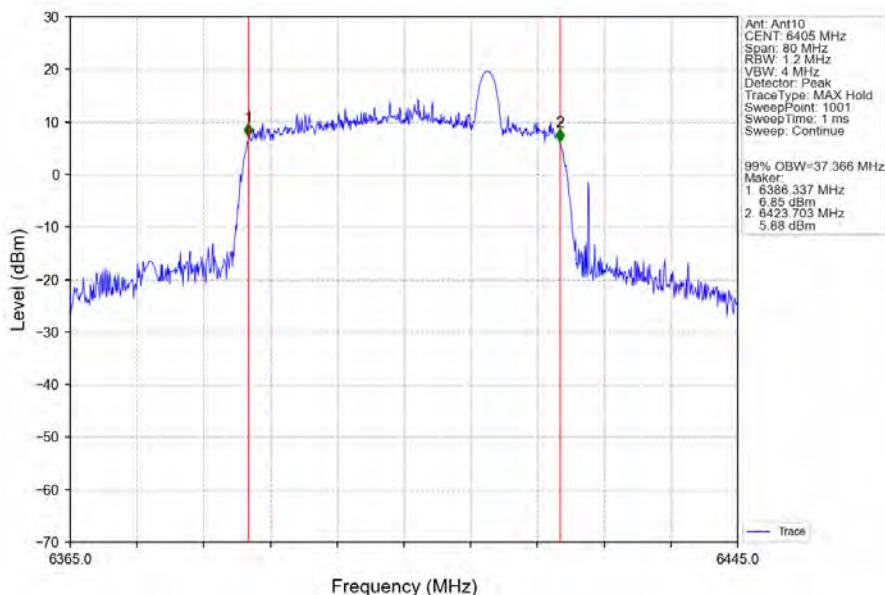
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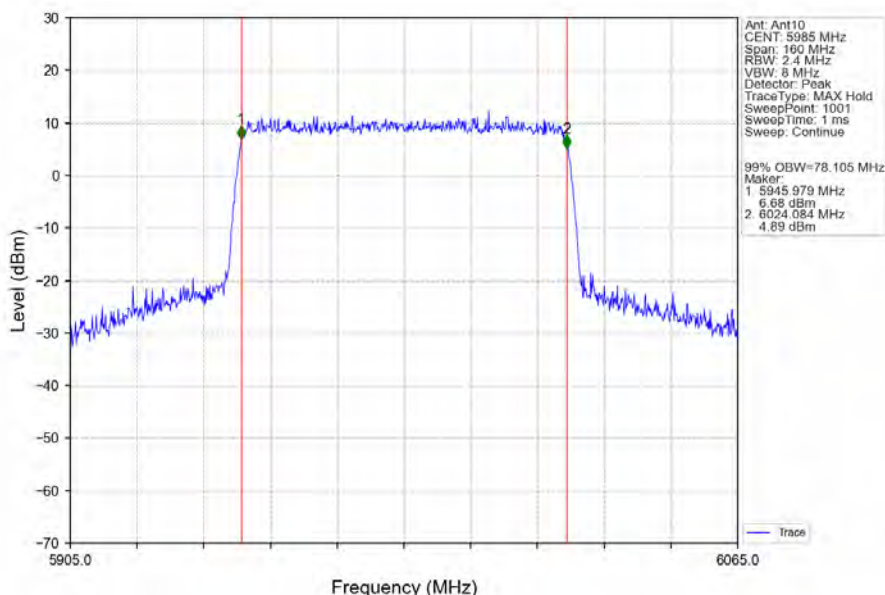
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802.11ax(HEW40)_HCH_6405MHz_SU_/_Ant10_NTNV



802.11ax(HEW80)_LCH_5985MHz_SU_/_Ant10_NTNV



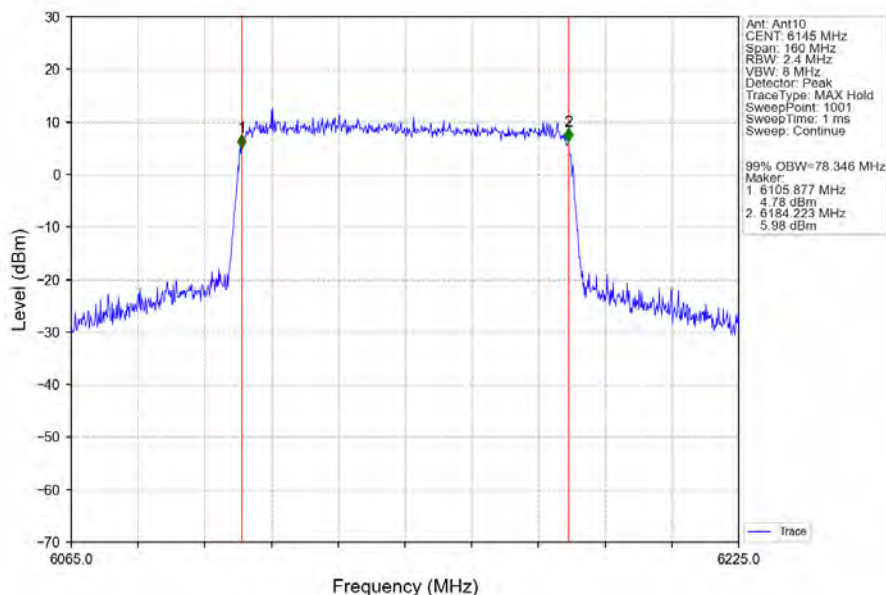
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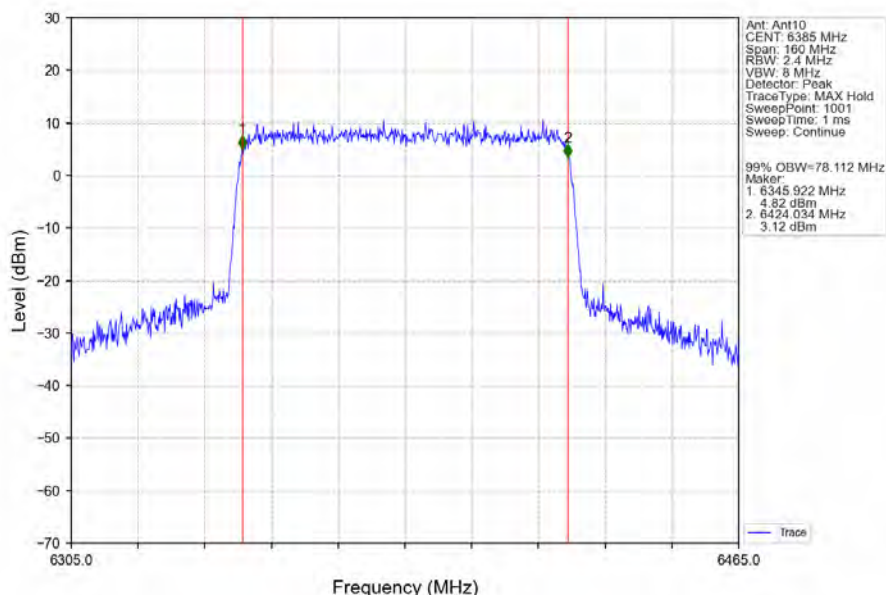
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802.11ax(HEW80)_MCH_6145MHz_SU_/_Ant10_NTNV



802.11ax(HEW80)_HCH_6385MHz_SU_/_Ant10_NTNV

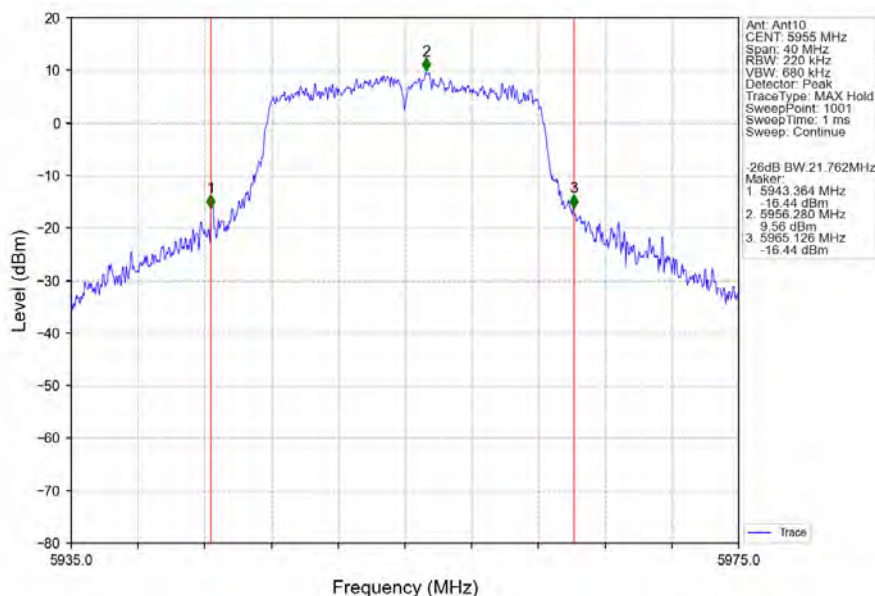


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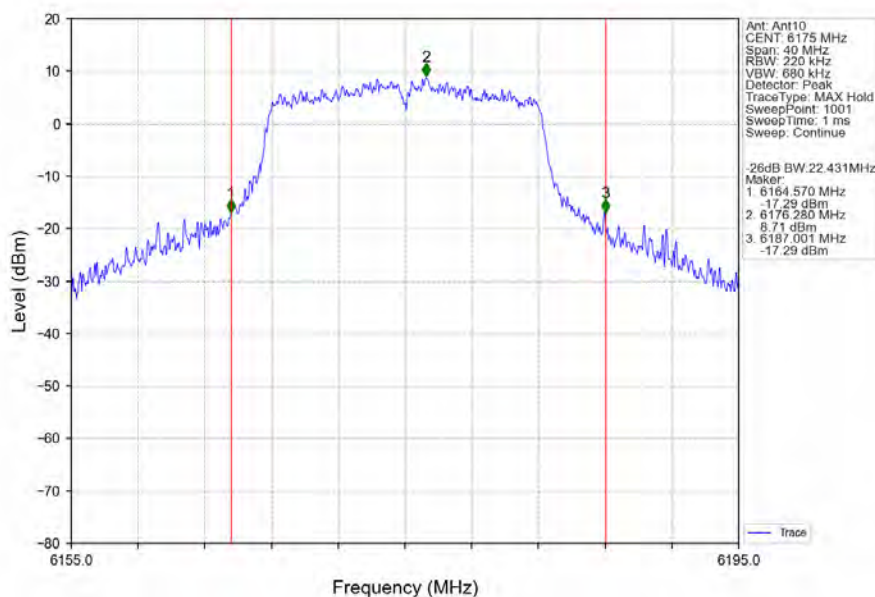
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2.2.2 26dB BW

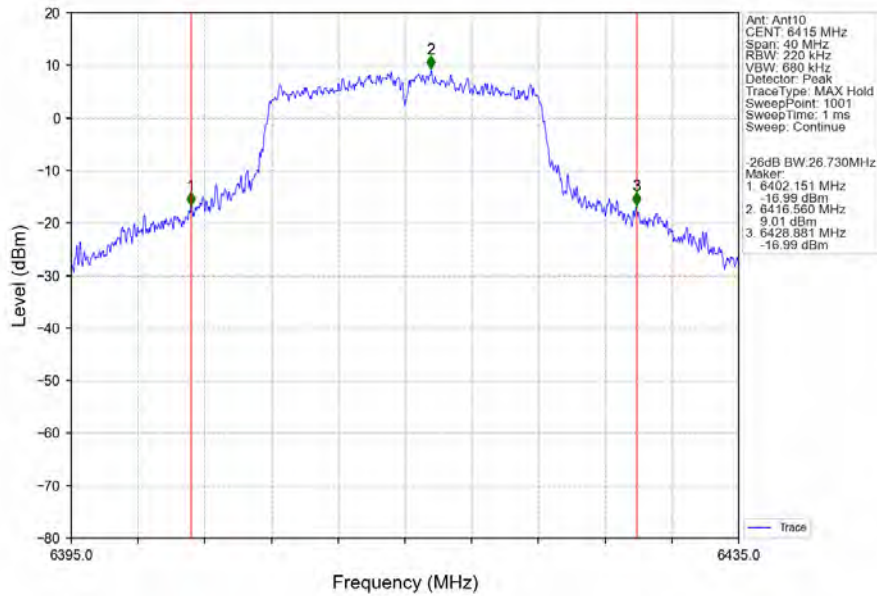
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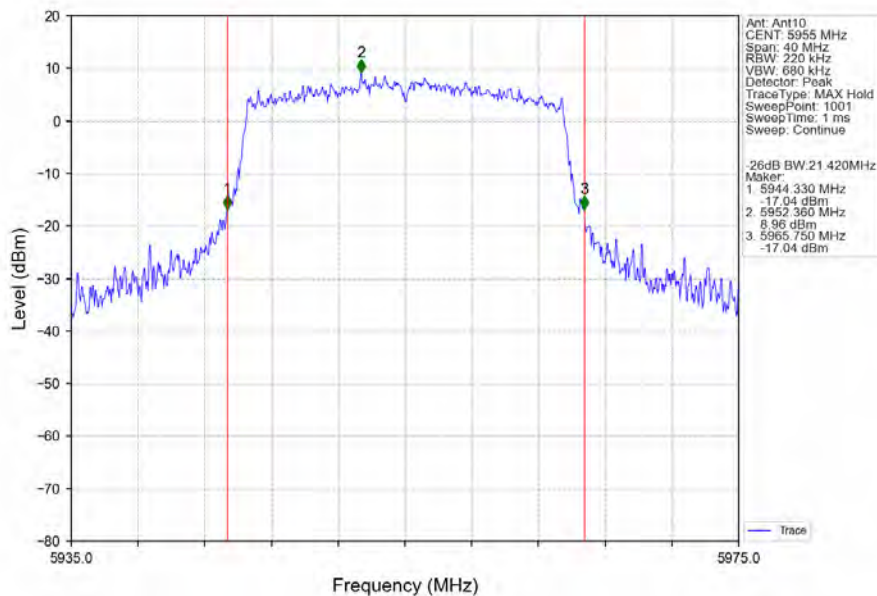
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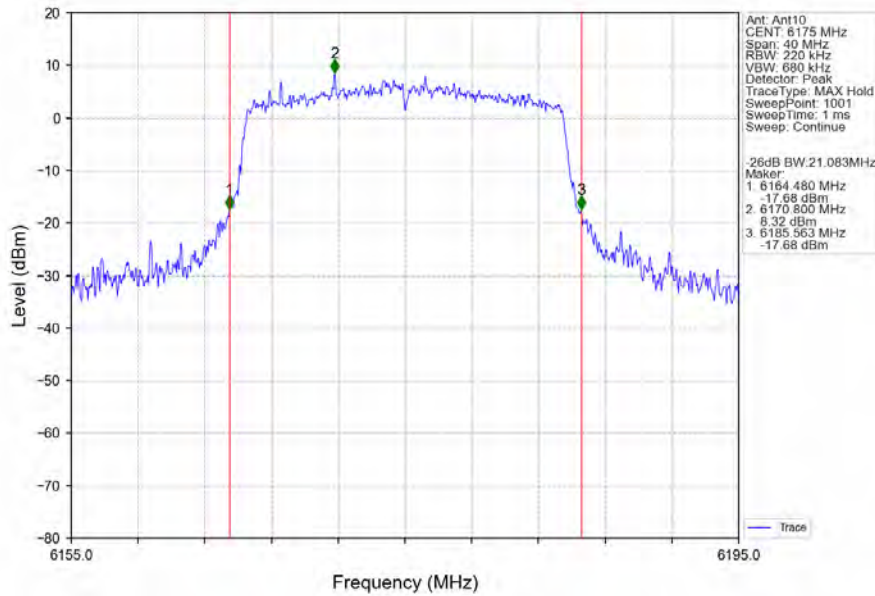
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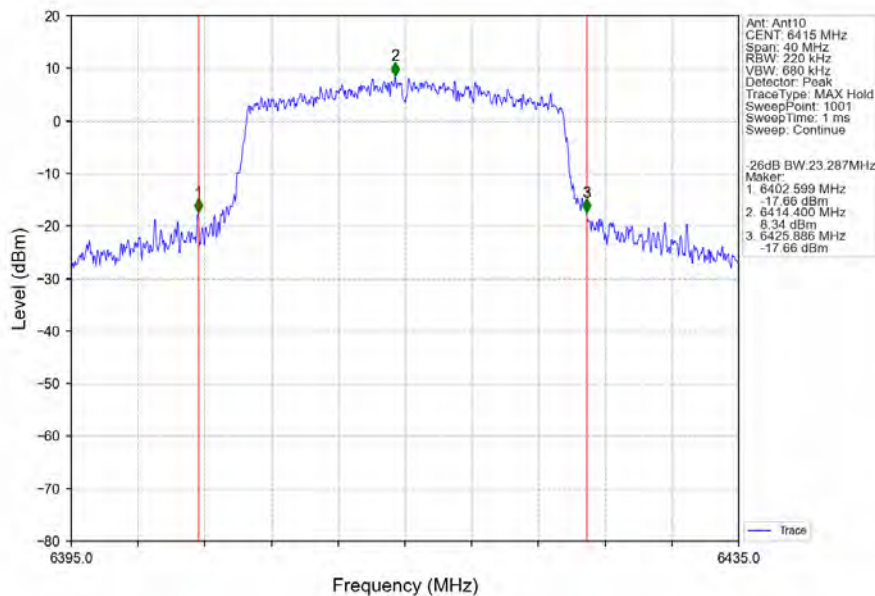
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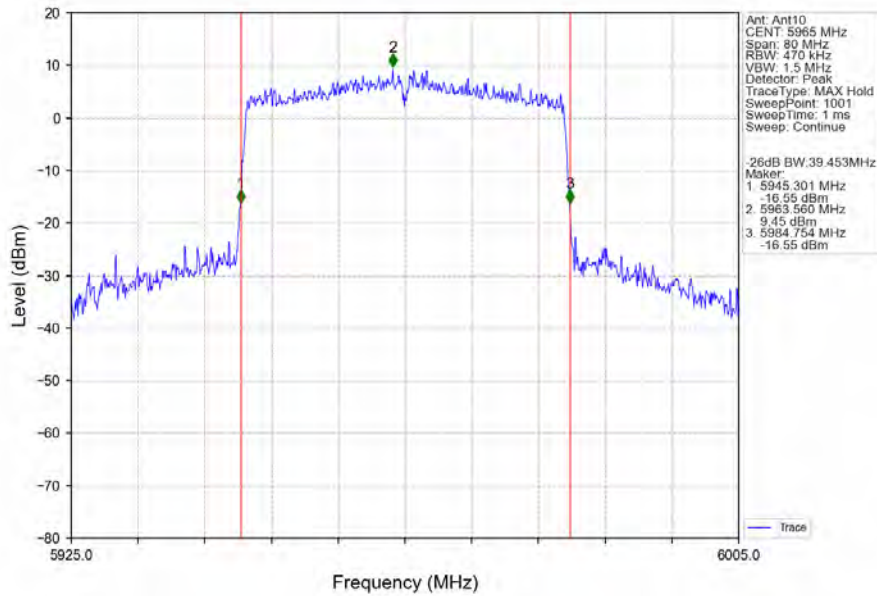
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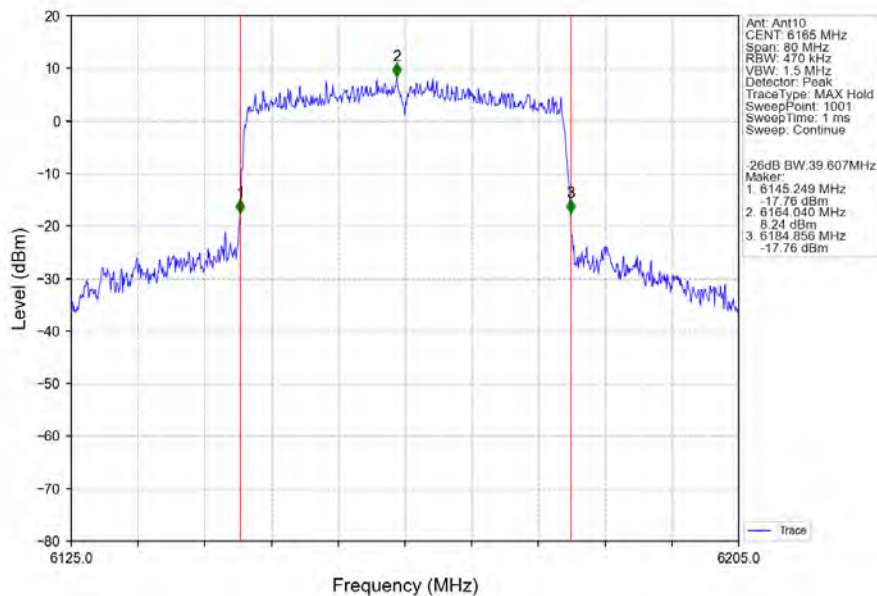
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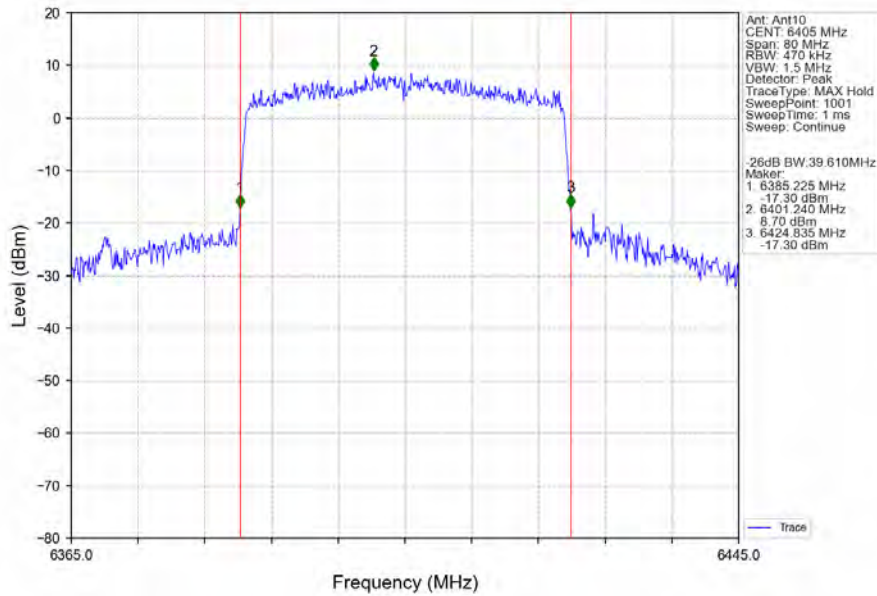
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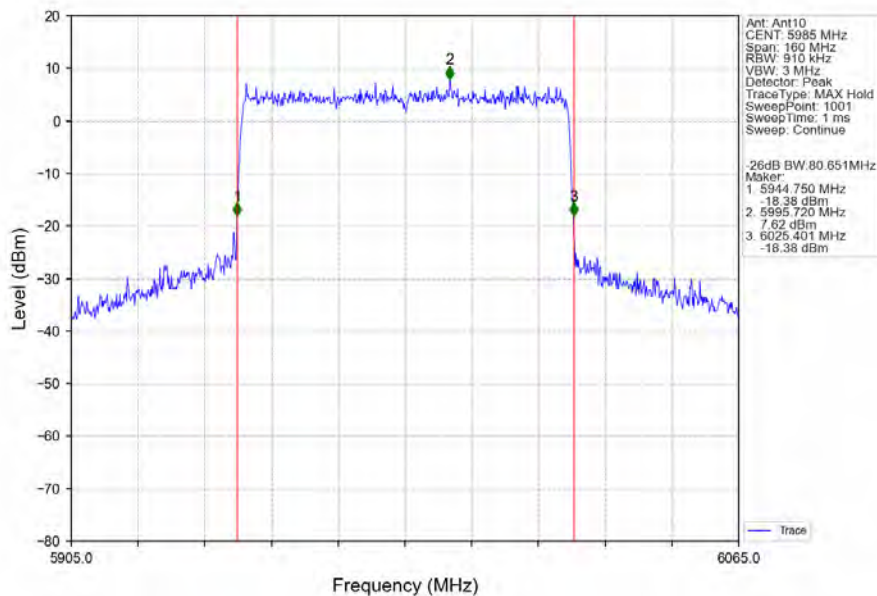
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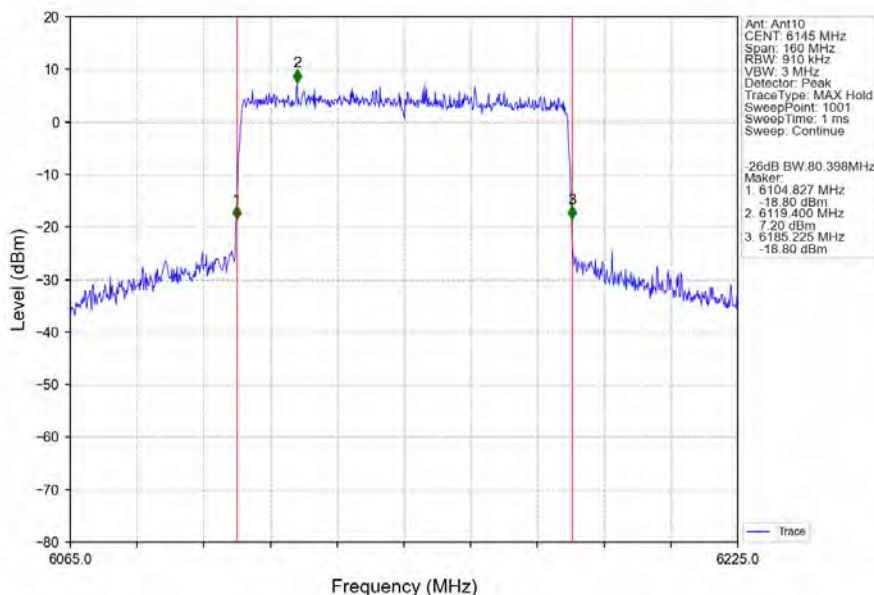
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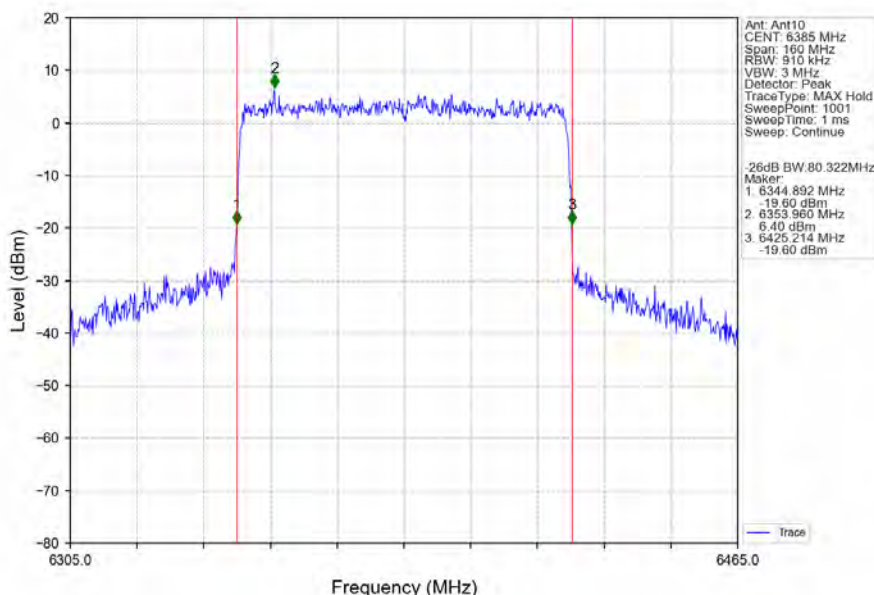
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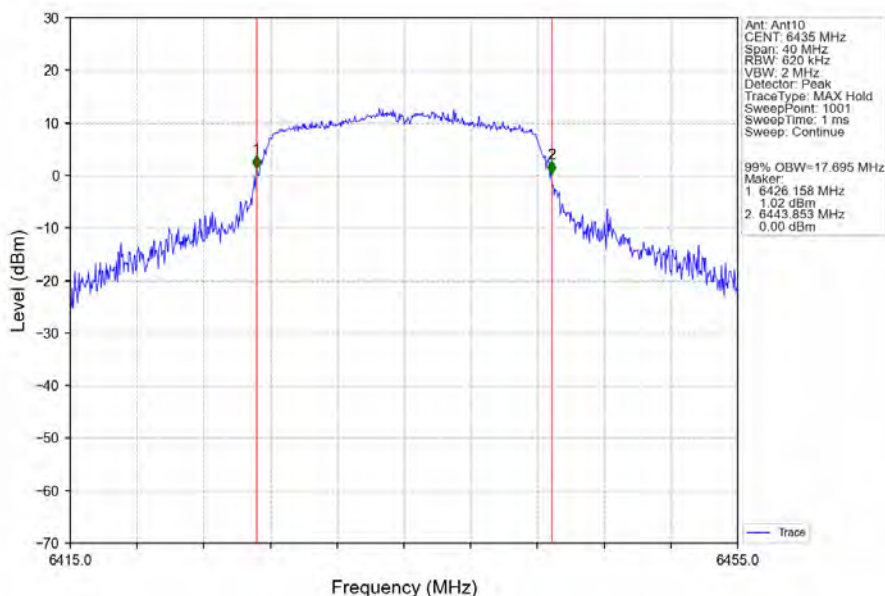


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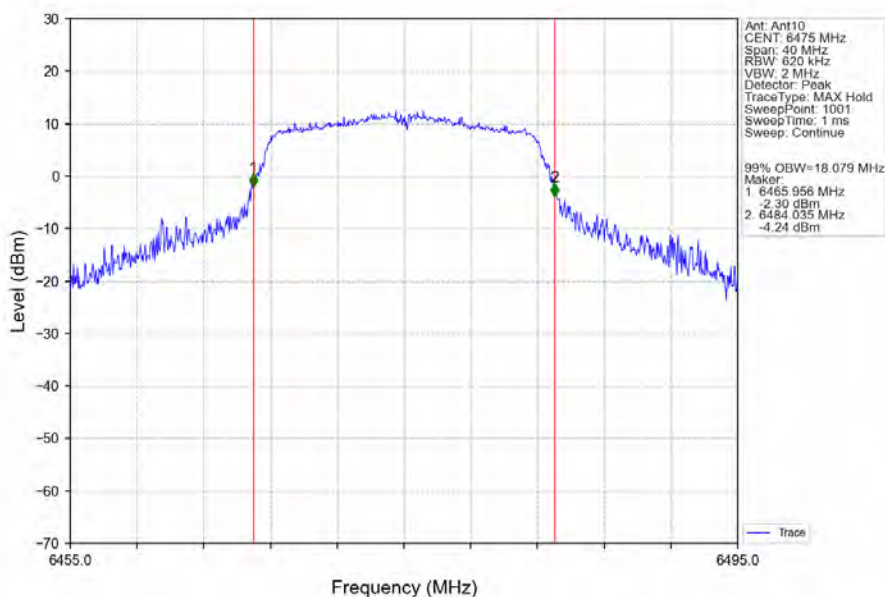


2.2.3 OBW

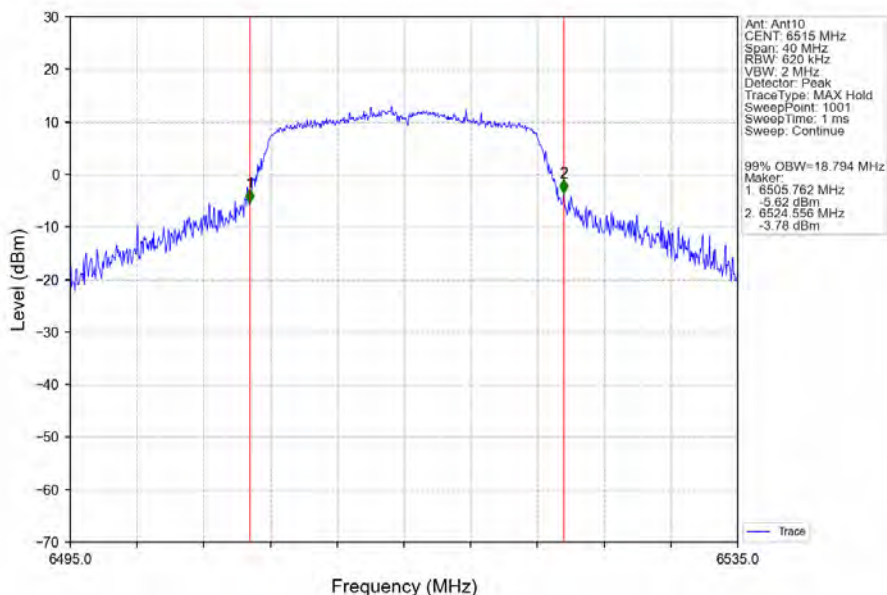
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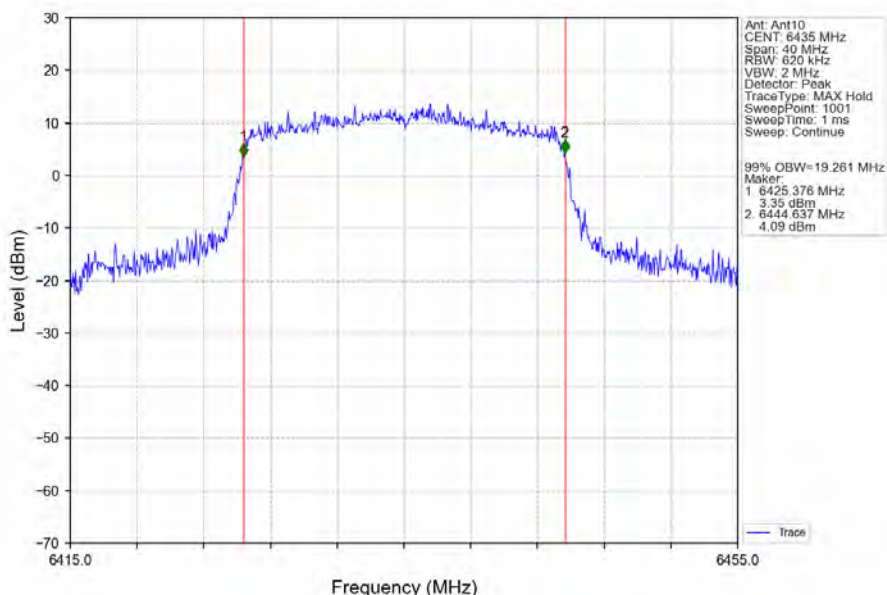
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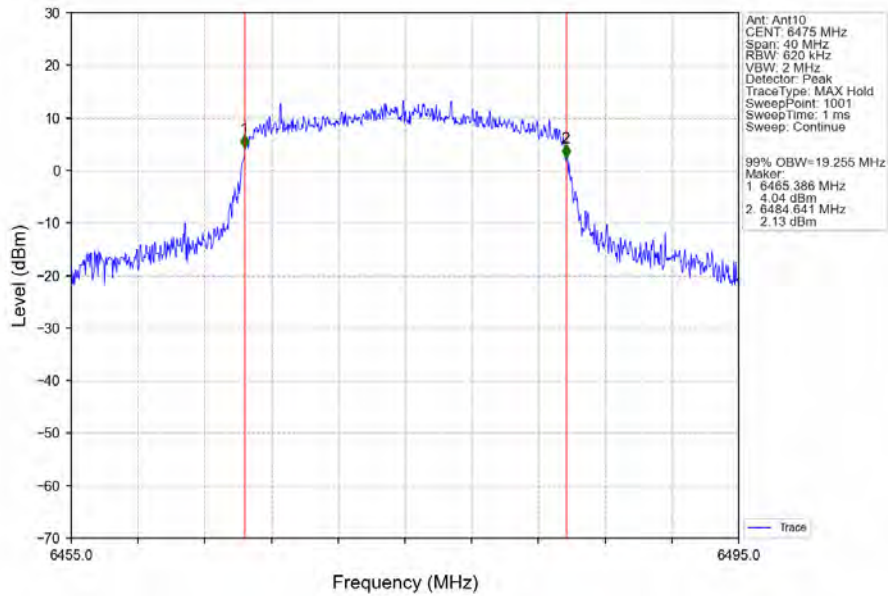
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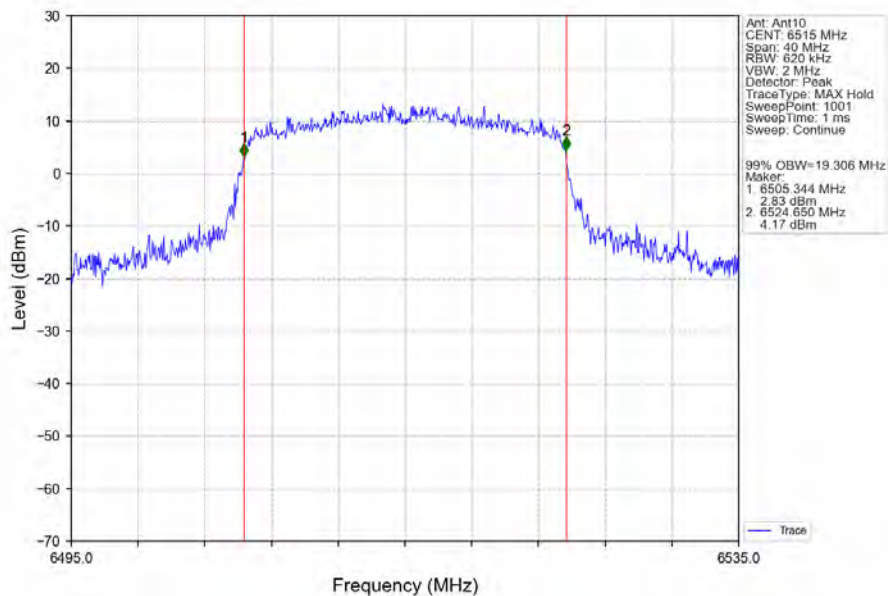
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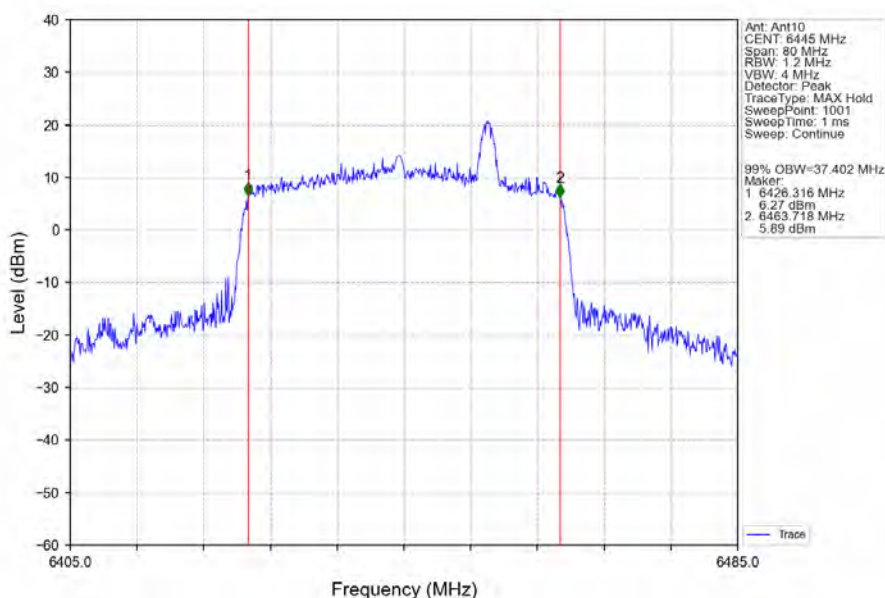
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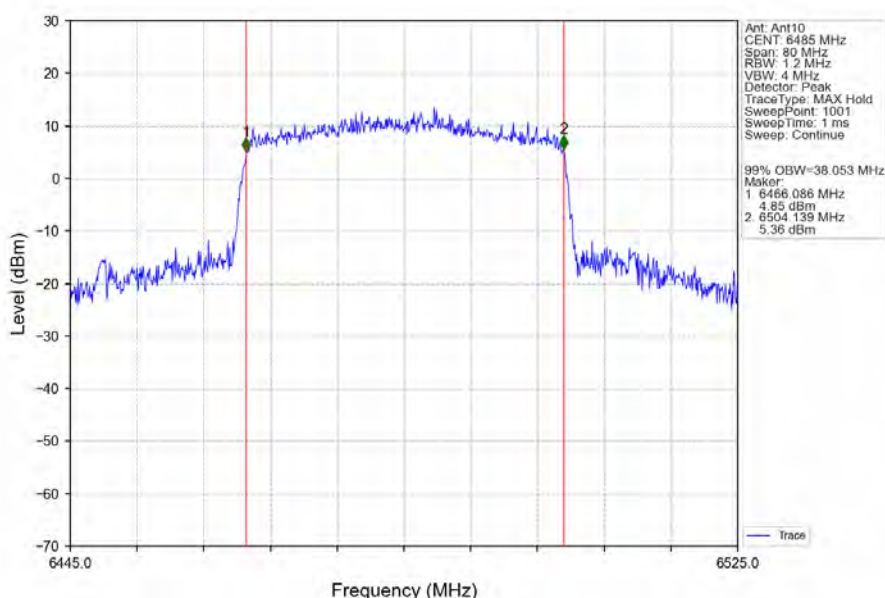
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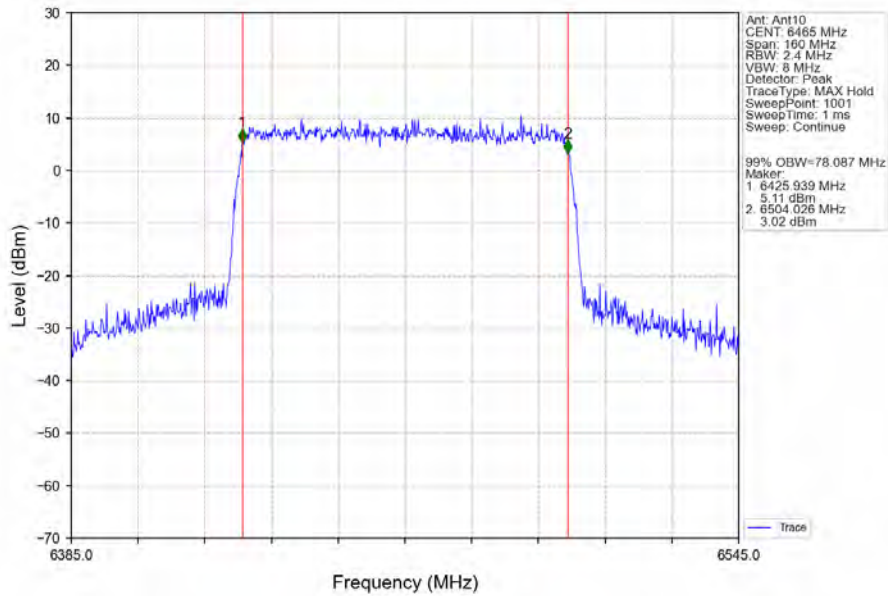
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802.11ax(HEW40)_MCH_6485MHz_SU_/_Ant10_NTNV



802.11ax(HEW80)_LCH_6465MHz_SU_/_Ant10_NTNV



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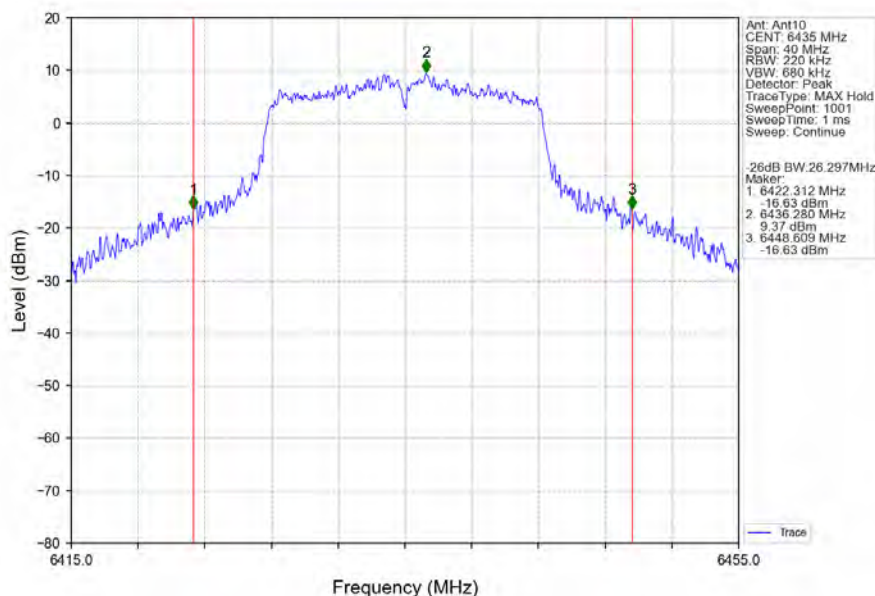
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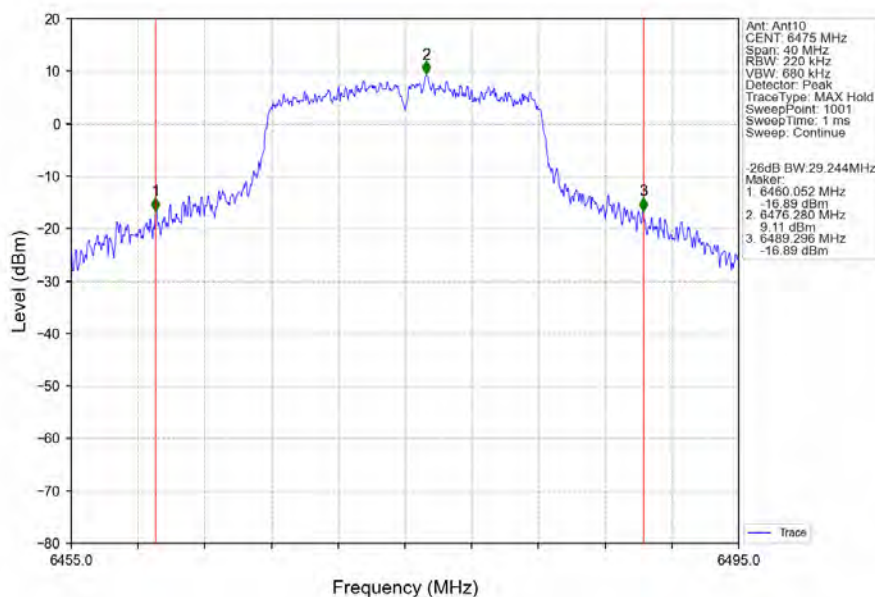
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2.2.4 26dB BW

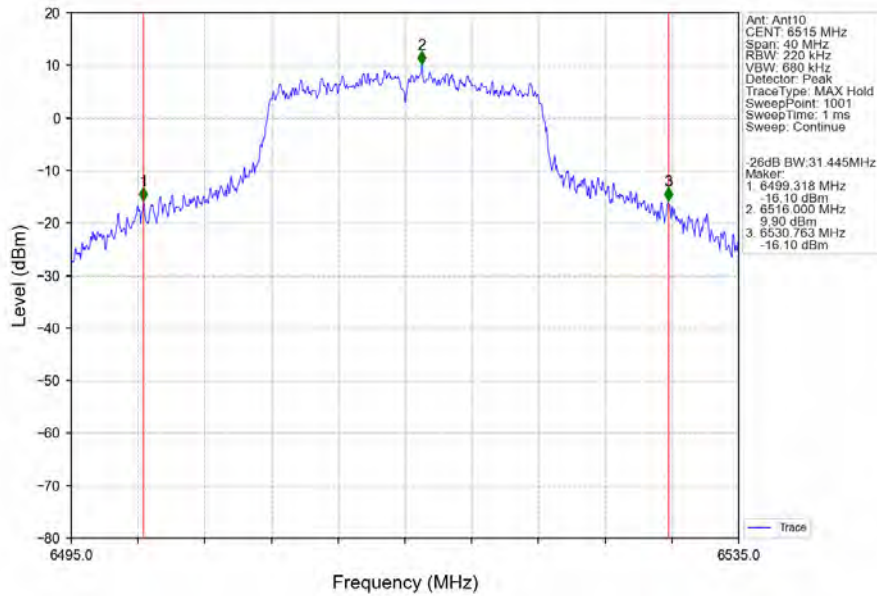
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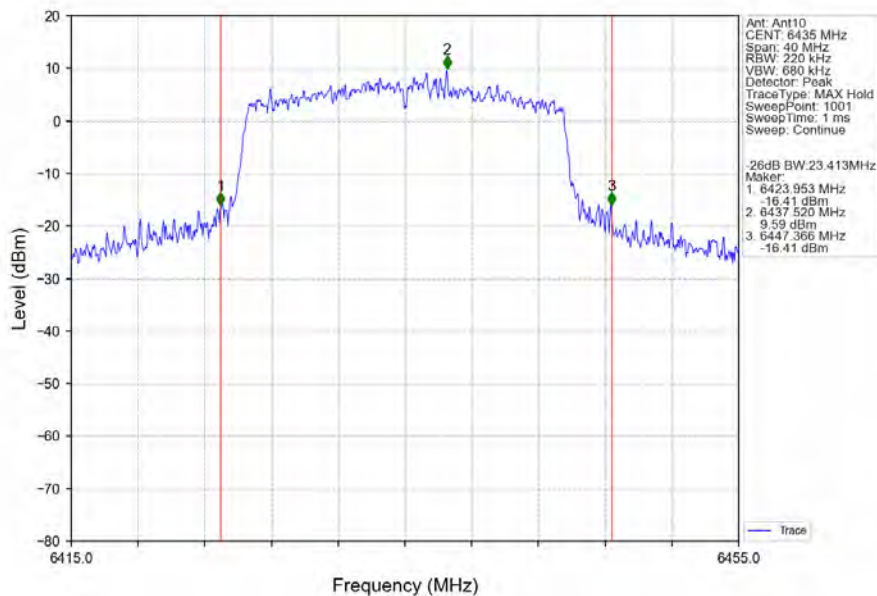
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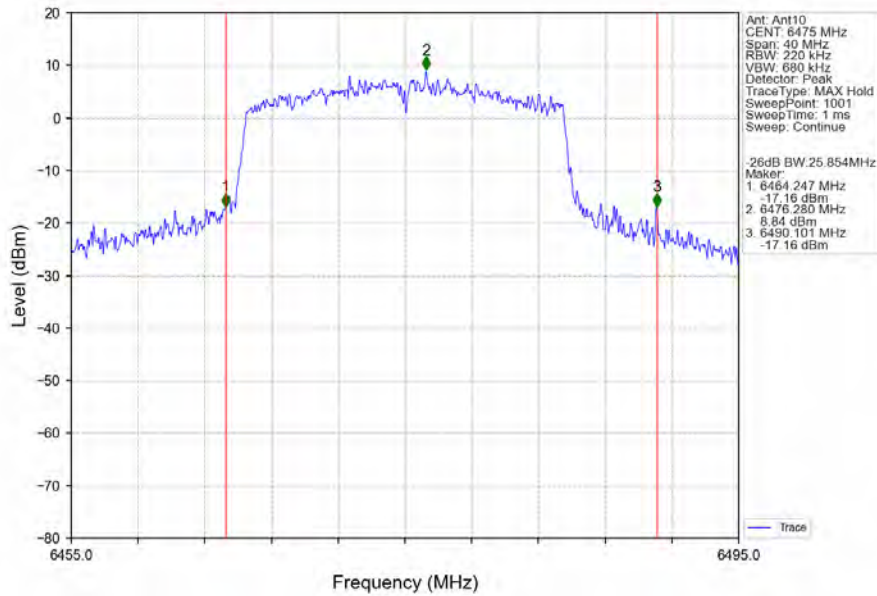
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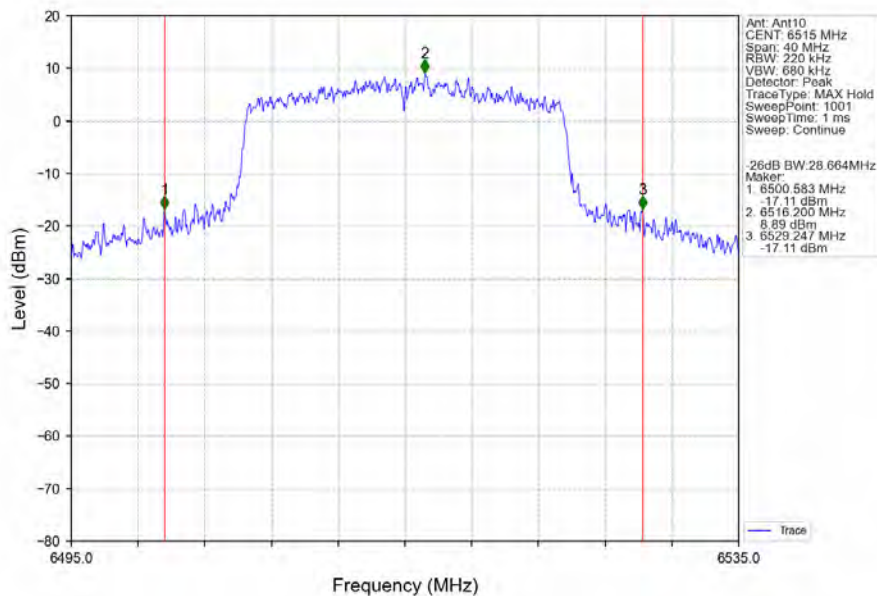
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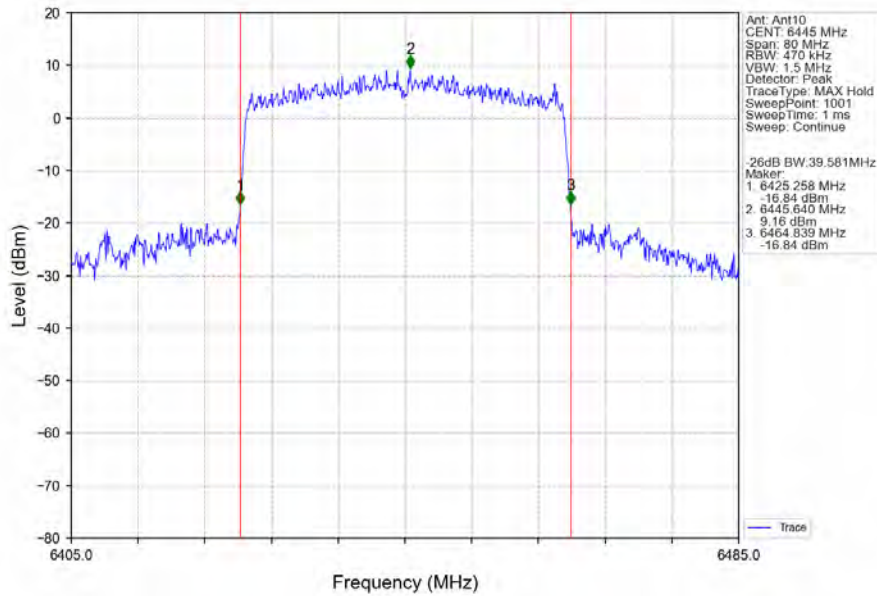
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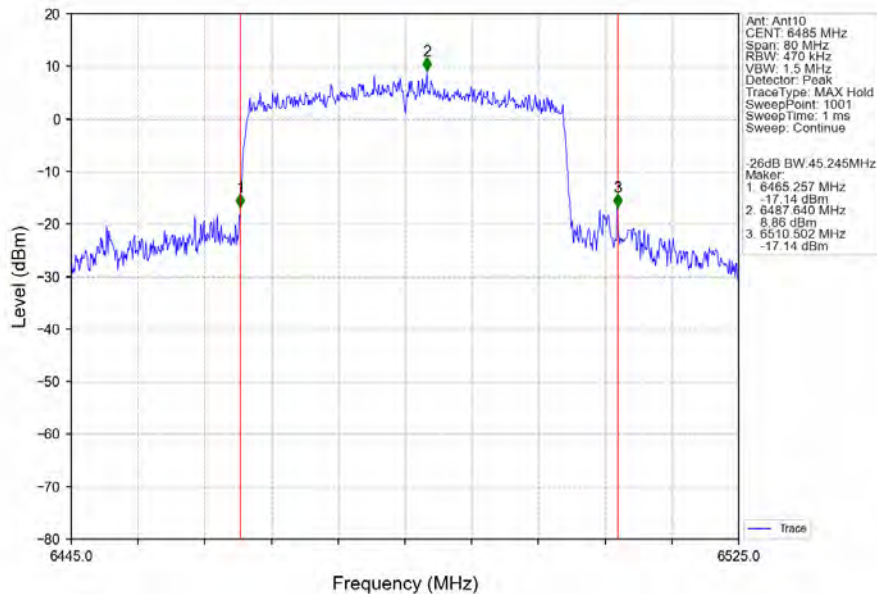
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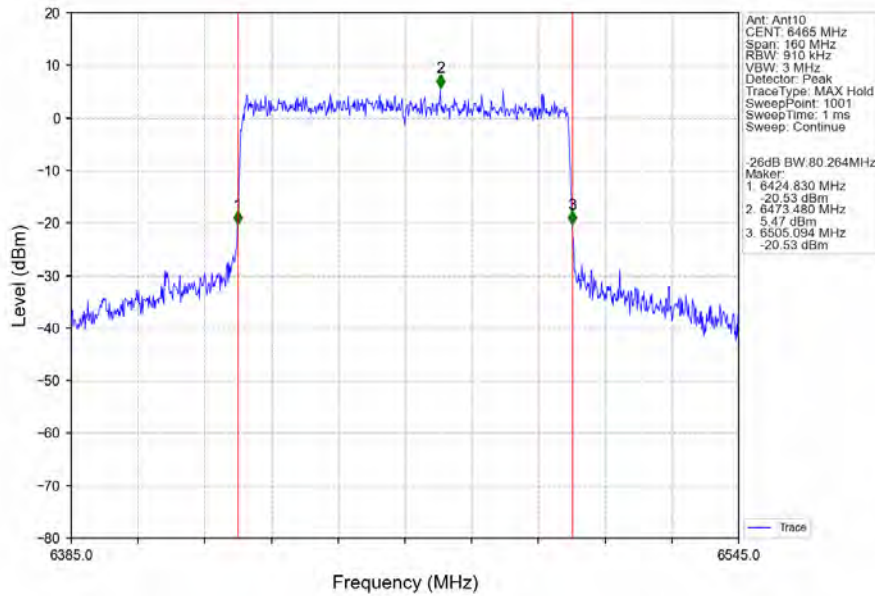
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802.11ax(HEW80)_LCH_6465MHz_SU_/_Ant10_NTNV



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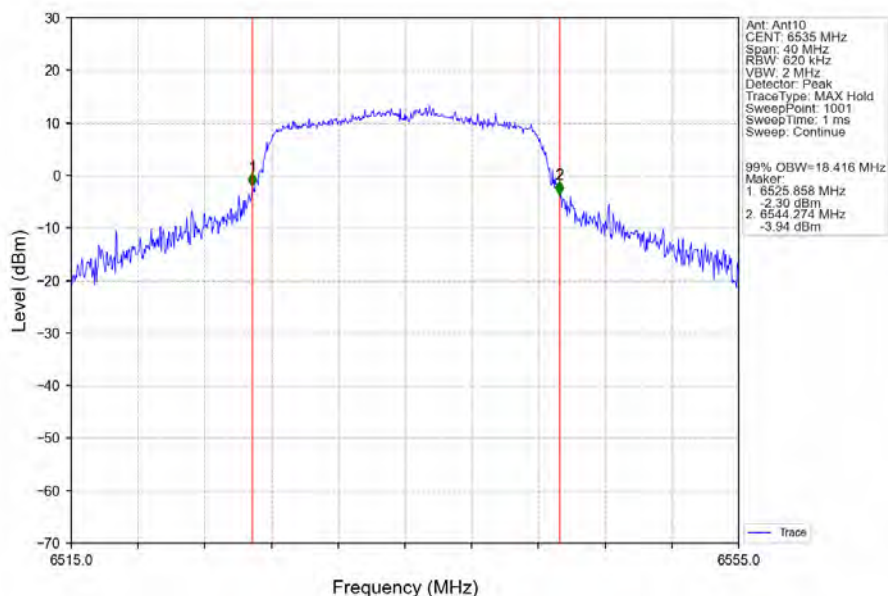
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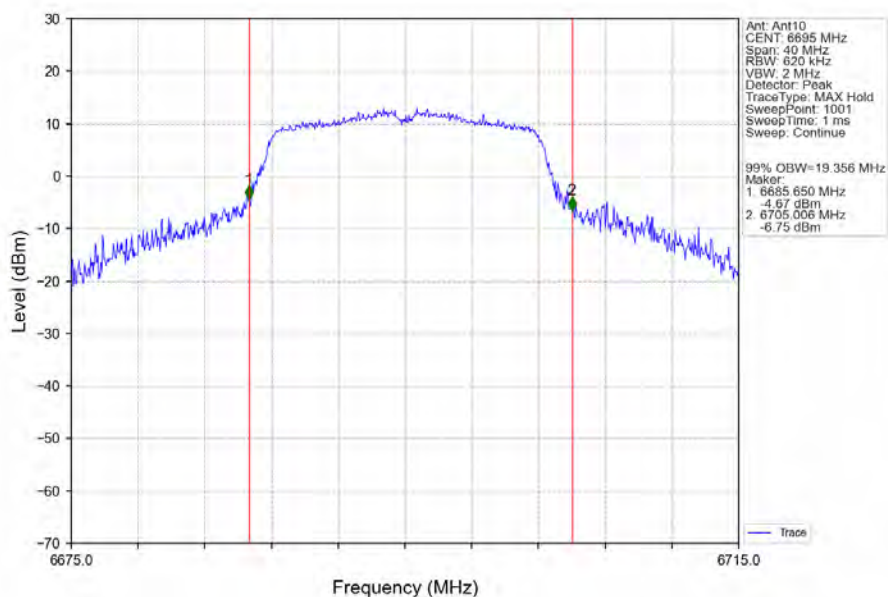
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2.2.5 OBW

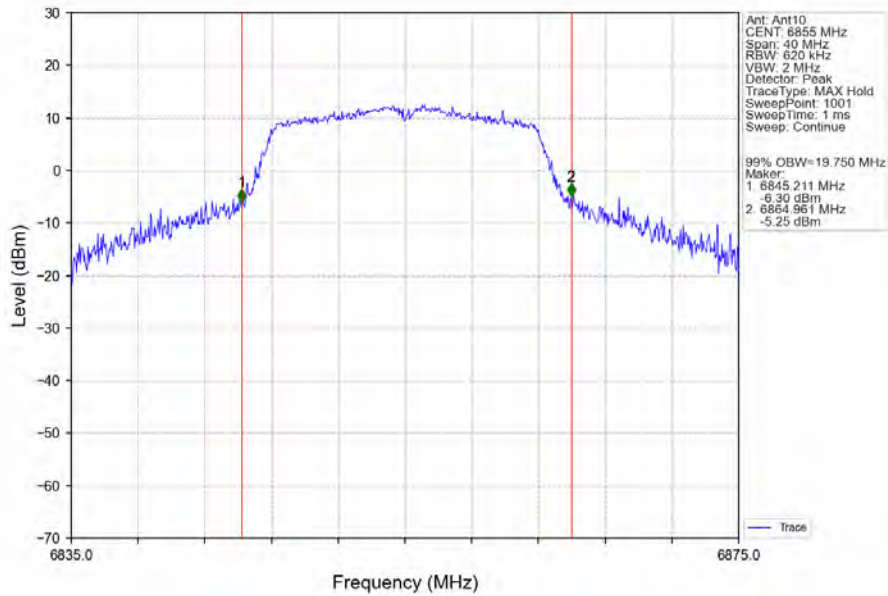
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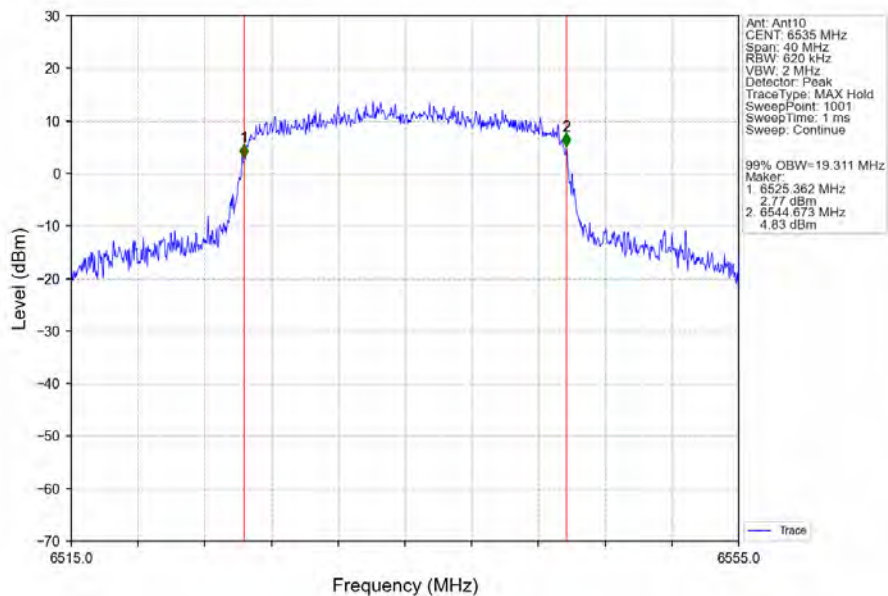
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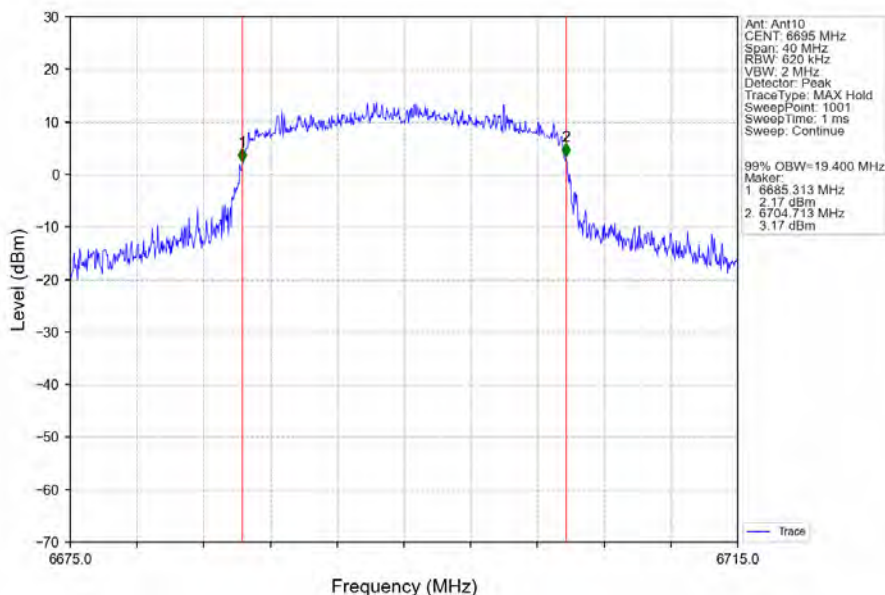
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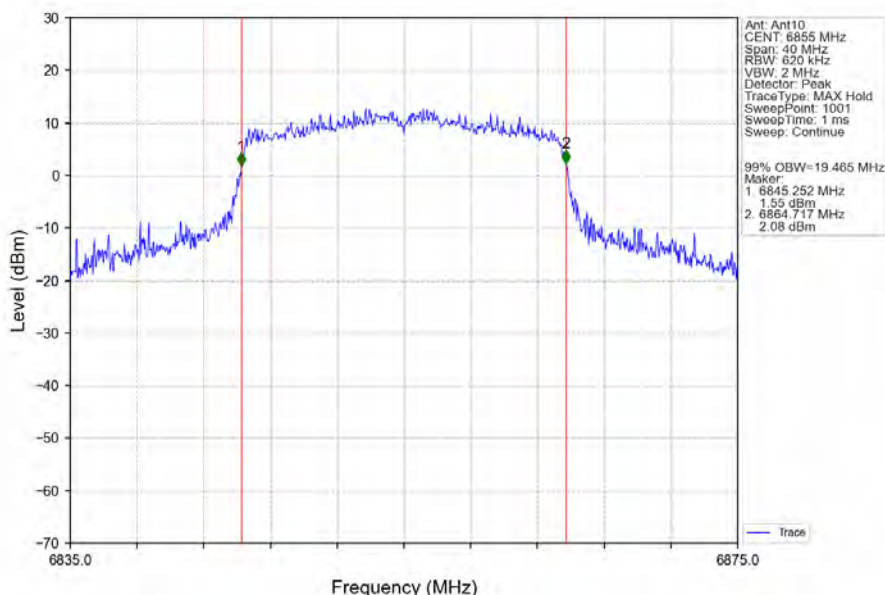
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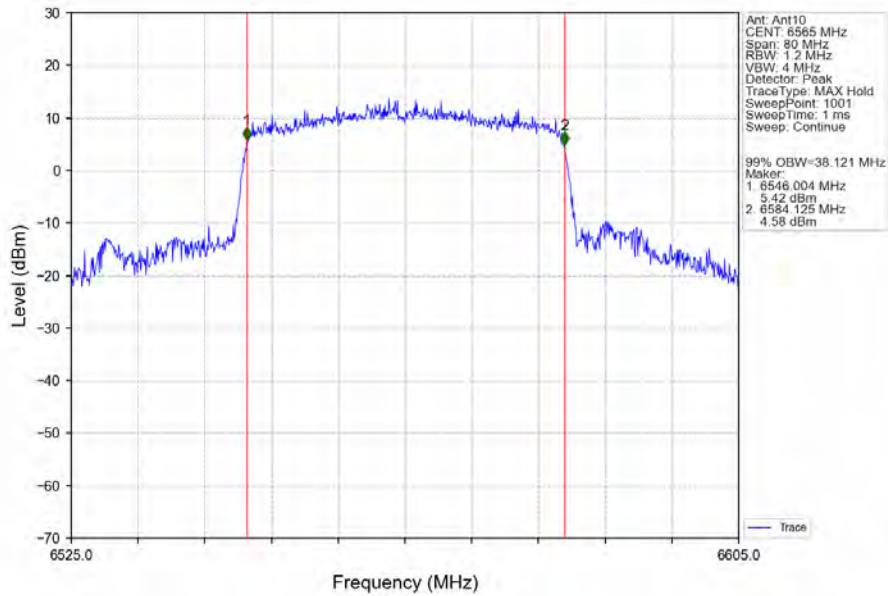
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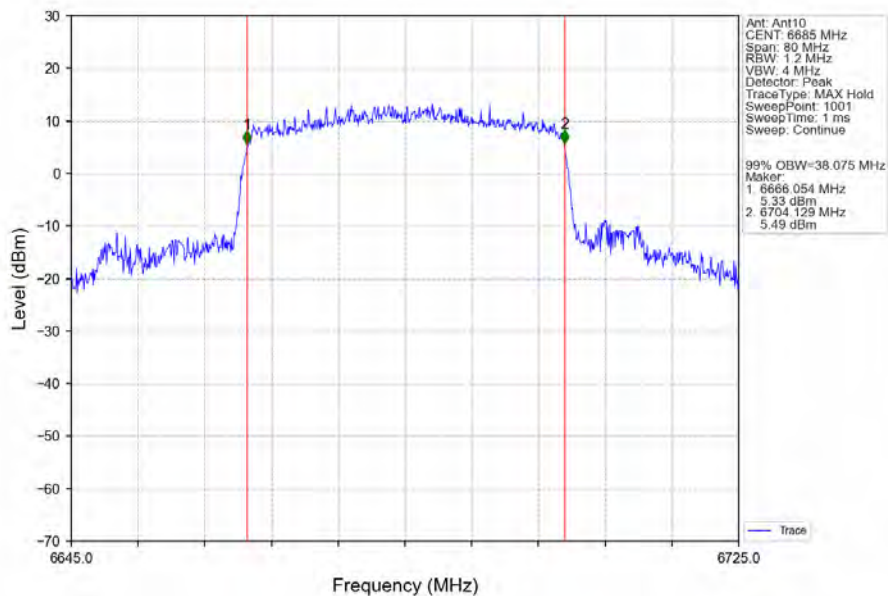
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802.11ax(HEW40)_LCH_6565MHz_SU_ / _Ant10_NTNV



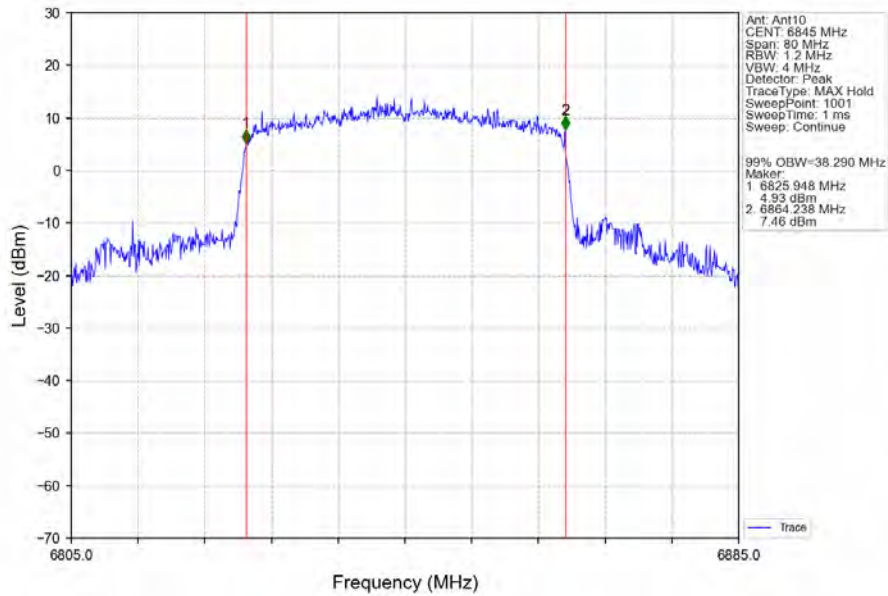
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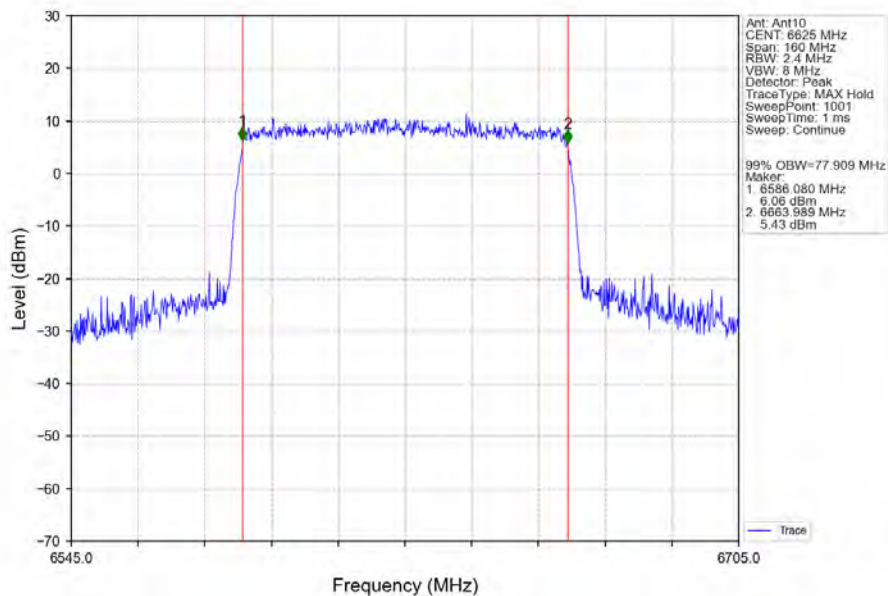
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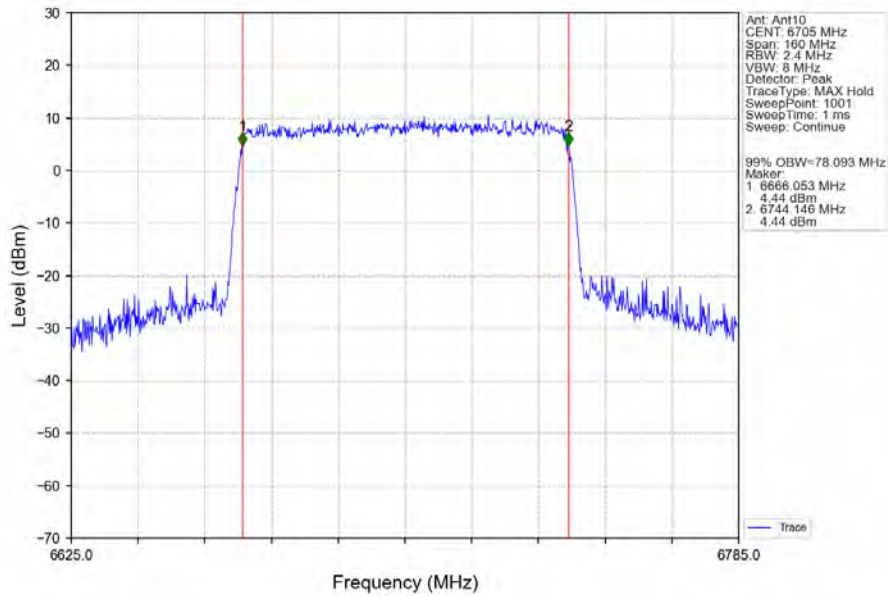
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802.11ax(HEW80)_LCH_6625MHz_SU_/_Ant10_NTNV



802.11ax(HEW80)_MCH_6705MHz_SU_/_Ant10_NTNV



802.11ax(HEW80)_HCH_6785MHz_SU_/_Ant10_NTNV

