

TEST REPORT

Application No.: SZCR2510004715WM
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.: T807M
Trade Mark: TCL
FCC ID: 2ACCJH195
Standard(s) : 47 CFR Part 15, Subpart E 15.407
Date of Receipt: 2025-10-28
Date of Test: 2025-10-31 to 2025-11-25
Date of Issue: 2025-12-01

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

Keny Xu

Keny Xu
EMC Laboratory Manager



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

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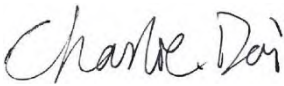
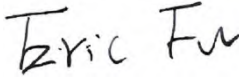


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SZEMC-TRF-01 Rev. A/2

Report No.: SZCR251000471507
Page: 2 of 669

Revision Record				
Version	Chapter	Date	Modifier	Remark
01		2025-12-01		Original

Authorized for issue by:				
				
		Charlie Dai/Project Engineer		
				
		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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3 Contents

	Page
1 Cover Page	1
2 Test Summary.....	3
3 Contents	4
4 General Information.....	6
4.1 Details of E.U.T.	6
4.2 Environment Parameter.....	7
4.3 Description of Support Units.....	7
4.4 Measurement Uncertainty	7
4.5 Test Location	8
4.6 Test Facility.....	8
4.7 Deviation from Standards.....	8
4.8 Abnormalities from Standard Conditions	8
5 Equipment List	9
6 Radio Spectrum Technical Requirement.....	13
6.1 Antenna Requirement	13
6.1.1 Test Requirement:	13
7 Radio Spectrum Matter Test Results.....	15
7.1 Conducted Emissions at AC Power Line (150kHz-30MHz)	15
7.1.1 E.U.T. Operation	15
7.1.2 Test Mode Description	15
7.1.3 Test Setup Diagram	16
7.1.4 Measurement Procedure and Data.....	16
7.2 Radiated Emissions (Below 1GHz).....	19
7.2.1 E.U.T. Operation	19
7.2.2 Test Mode Description	19
7.2.3 Test Setup Diagram	20
7.2.4 Measurement Procedure and Data.....	20
7.3 Radiated Emissions (Above 1GHz).....	23
7.3.1 E.U.T. Operation	23
7.3.2 Test Mode Description	23
7.3.3 Test Setup Diagram	24
7.3.4 Measurement Procedure and Data.....	25
7.4 Radiated Emissions which fall in the restricted bands	74
7.4.1 E.U.T. Operation	74
7.4.2 Test Mode Description	74
7.4.3 Test Setup Diagram	75
7.4.4 Measurement Procedure and Data.....	76
7.5 In-Band Emissions	109
7.5.1 E.U.T. Operation	109



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

SZEMC-TRF-01 Rev. A/2

Report No.: SZCR251000471507

Page: 5 of 669

7.5.2	Test Mode Description	109
7.5.3	Test Setup Diagram	110
7.5.4	Measurement Procedure and Data	110
7.6	Contention-based Protocol	111
7.6.1	E.U.T. Operation	111
7.6.2	Test Mode Description	111
7.6.3	Test Setup Diagram	112
7.6.4	Measurement Procedure and Data	112
7.7	Duty Cycle	113
7.7.1	E.U.T. Operation	113
7.7.2	Test Mode Description	113
7.7.3	Test Setup Diagram	113
7.7.4	Measurement Procedure and Data	113
7.8	99% Bandwidth	114
7.8.1	E.U.T. Operation	114
7.8.2	Test Mode Description	114
7.8.3	Test Setup Diagram	114
7.8.4	Measurement Procedure and Data	114
7.9	26dB Emission bandwidth	115
7.9.1	E.U.T. Operation	115
7.9.2	Test Mode Description	115
7.9.3	Test Setup Diagram	115
7.9.4	Measurement Procedure and Data	115
7.10	Maximum Conducted output power	116
7.10.1	E.U.T. Operation	116
7.10.2	Test Mode Description	116
7.10.3	Test Setup Diagram	117
7.10.4	Measurement Procedure and Data	117
7.11	Peak Power spectrum density	118
7.11.1	E.U.T. Operation	118
7.11.2	Test Mode Description	118
7.11.3	Test Setup Diagram	119
7.11.4	Measurement Procedure and Data	119
7.12	Frequency Stability	120
7.12.1	E.U.T. Operation	120
7.12.2	Test Mode Description	120
7.12.3	Test Setup Diagram	120
7.12.4	Measurement Procedure and Data	120
8	Test Setup Photo	121
9	EUT Constructional Details (EUT Photos)	121
10	Appendix	122



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4 General Information

4.1 Details of E.U.T.

EUT Description:	GSM/UMTS/LTE/NR Mobile phone	
Model No.:	T807M	
Trade Mark:	TCL	
Hardware Version:	03	
Software Version:	BJ3X	
Power Supply:	Powered by DC3.91V/5000mAh (Model: TLp050E7) by Rechargeable Li-ion Battery. Charged by USB port from adapter.	
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 ~ 7125 MHz	
Type of Modulation:	OFDM/OFDMA	
FCC Classification:	Dual Client (6XD), (Indoor client)	
Antenna Type:	MDA Antenna	
Smart System:	☒ SISO	802.11a/ax
	☒ MIMO	802.11ax: 2Tx & 2Rx
	☒ Diversity	802.11a: 2Tx & 2Rx
Antenna Gain:	Ant10: UNII-5: -7.62dBi; UNII-6: -7.62dBi; UNII-7: -7.62dBi; UNII-8: -7.62dBi;	
	Ant12: UNII-5: -5.93dBi; UNII-6: -5.93dBi; UNII-7: -5.93dBi; UNII-8: -5.93dBi;	
	Note: The antenna gain are derived from the gain information report provided by the manufacturer.	
RF Cable:	2.2dB	
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SZEMC-TRF-01 Rev. A/2

Report No.: SZCR251000471507

Page: 7 of 669

4.2 Environment Parameter

Environment Parameter	1020 mbar Selected Values During Tests	
Relative Humidity	31.1~53.9% RH Ambient	
Value	Temperature(°C)	Voltage(V)
NTNV	21.0~25.3	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.
Adapter	HONOR	HN-200500CP0	N/A

4.4 Measurement Uncertainty

Test Item	Measurement Uncertainty
Conducted Emissions at AC Power Line (150kHz-30MHz)	± 3.2dB
Radiated Emissions (Below 1GHz)	± 6.0dB for 3m; ± 5.0dB for 10m
Radiated Emissions (Above 1GHz)	± 4.6dB (1-18GHz); ± 4.8dB (18-40GHz)
Radiated Emissions which fall in the restricted bands	± 6.0dB (below 1GHz); ± 4.6dB (above 1GHz);
In-Band Emissions	± 0.4dB
Duty Cycle	± 0.3%
99% Bandwidth	± 0.3%
26dB Emission bandwidth	± 0.3%
Maximum Conducted output power	± 0.8dB
Peak Power spectrum density	± 0.4dB
Frequency Stability	± 5.4 x 10-8
Remark: The U _{lab} (lab Uncertainty) is less than U _{CISPR/ETSI} (CISPR/ETSI Uncertainty), so the test results – compliance is deemed to occur if no measured disturbance level exceeds the disturbance limit; – non-compliance is deemed to occur if any measured disturbance level exceeds the disturbance limit.	



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Report No.: SZCR251000471507

Page: 8 of 669

4.5 Test Location

All tests were performed at:

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

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

No tests were sub-contracted.

4.6 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 2025-11-17	2025-11-19 2027-11-16
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

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SZEMC-TRF-01 Rev. A/2

Report No.: SZCR251000471507

Page: 10 of 669

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-063	2025-01-06	2028-01-05
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



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Report No.: SZCR251000471507

Page: 11 of 669

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
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



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SZEMC-TRF-01 Rev. A/2

Report No.: SZCR251000471507

Page: 12 of 669

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

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: -7.62dBi; UNII-6: -7.62dBi; UNII-7: -7.62dBi; UNII-8: -7.62dBi;*

Ant12: UNII-5: -5.93dBi; UNII-6: -5.93dBi; UNII-7: -5.93dBi; UNII-8: -5.93dBi;*

**Note:*

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

Remark:

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



Cyclic Delay Diversity (CDD) System:

FCC KDB 662911 D01 Multiple Transmitter Output v02r01

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

- For power spectral density (PSD) measurements on all devices,
Array Gain = $10 \log(N_{ANT}/N_{SS}=1)$ dB.
- For power measurements on IEEE 802.11 devices:
Array Gain = 0 dB (i.e., no array gain) for $N_{ANT} \leq 4$;

For power, the directional gain may be calculated by using the formulas applicable to equal gain antennas with G_{ANT} set equal to the gain of the antenna having the highest gain.

For PSD, the directional gain calculation is following F)2)f)ii) of KDB 662911 D01 v02r01.

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

The EUT supports CDD System.

Unequal antenna gain:

Operation Frequency	ANT Gain0 (dBi)	ANT Gain1 (dBi)	Directional gain For Power (dBi)	Directional gain For PSD (dBi)
5925 MHz to 6425 MHz	-7.62	-5.93	-5.93	-3.72
6425 MHz to 6525 MHz	-7.62	-5.93	-5.93	-3.72
6525 MHz to 6875 MHz	-7.62	-5.93	-5.93	-3.72
6875 MHz to 7125 MHz	-7.62	-5.93	-5.93	-3.72

5925 MHz to 6425 MHz:

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

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

6425 MHz to 6525 MHz:

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

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

6525 MHz to 6875 MHz:

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

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

6875 MHz to 7125 MHz:

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

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

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
 Test Engineer: Kaito Zeng

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

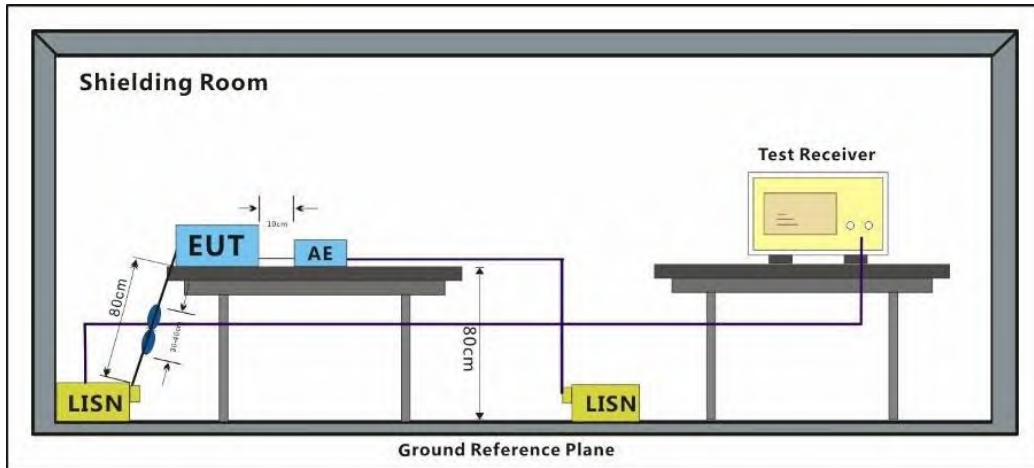
Operating Environment:

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	29	Charge + TX mode (U-NII-5) _Keep the EUT in continuously transmitting mode with all modulation types and being charged. All data rates for each modulation type have been tested and found the data rate @ MCS0 is the worst case of IEEE 802.11 a/ ax 20/40/80, Only the data of worst case is recorded in the report.
Pre-scan	30	Charge + TX mode (U-NII-6) _Keep the EUT in continuously transmitting mode with all modulation types and being charged. All data rates for each modulation type have been tested and found the data rate @ MCS0 is the worst case of IEEE 802.11 a/ ax 20/40/80, Only the data of worst case is recorded in the report.
Pre-scan	31	Charge + TX mode (U-NII-7) _Keep the EUT in continuously transmitting mode with all modulation types and being charged. All data rates for each modulation type have been tested and found the data rate @ MCS0 is the worst case of IEEE 802.11 a/ ax 20/40/80, Only the data of worst case is recorded in the report.
Pre-scan	32	Charge + TX mode (U-NII-8) _Keep the EUT in continuously transmitting mode with all modulation types and being charged. All data rates for each modulation type have been tested and found the data rate @ MCS0 is the worst case of IEEE 802.11 a/ ax 20/40/80, 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.

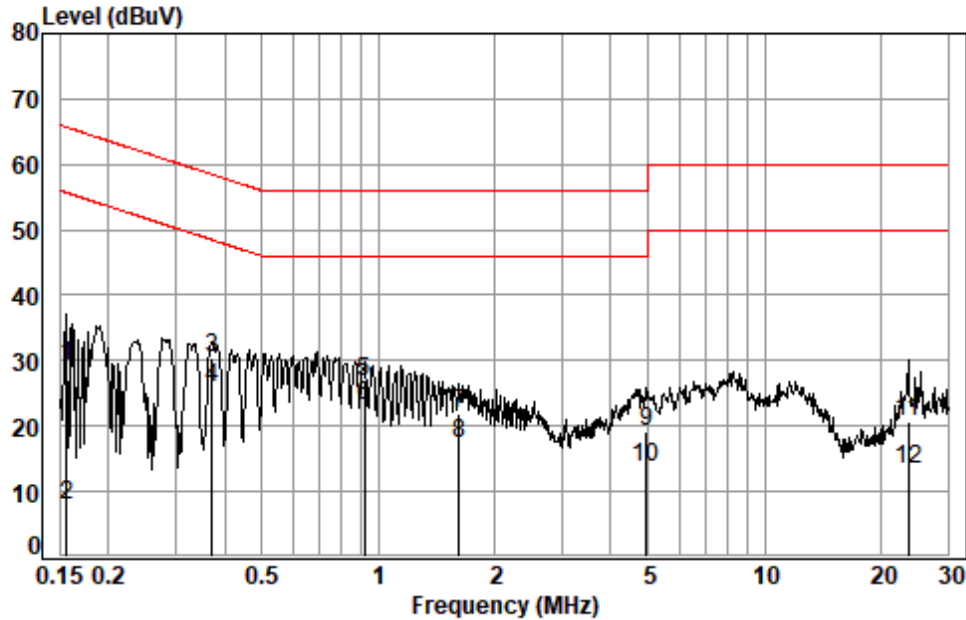
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SZEMC-TRF-01 Rev. A/2

Report No.: SZCR251000471507

Page: 17 of 669

Test Mode: 29; Line: Live line



Site : Shielding Room
Condition: Line
Job No. : 04715WM
Test mode: 29

	Freq	Cable Loss	LISN Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB	dBuV	dBuV	dBuV	dB	
1	0.1565	0.06	10.18	18.90	29.14	65.65	-36.51	QP
2	0.1565	0.06	10.18	-2.29	7.95	55.65	-47.70	Average
3 *	0.3712	0.08	9.72	20.59	30.39	58.47	-28.08	QP
4 *	0.3712	0.08	9.72	16.16	25.96	48.47	-22.51	Average
5	0.9233	0.11	9.60	16.93	26.64	56.00	-29.36	QP
6	0.9233	0.11	9.60	13.39	23.10	46.00	-22.90	Average
7	1.6190	0.12	9.58	12.32	22.02	56.00	-33.98	QP
8	1.6190	0.12	9.58	7.74	17.44	46.00	-28.56	Average
9	4.9519	0.14	9.66	9.43	19.23	56.00	-36.77	QP
10	4.9519	0.14	9.66	3.82	13.62	46.00	-32.38	Average
11	23.5112	0.23	10.25	10.13	20.61	60.00	-39.39	QP
12	23.5112	0.23	10.25	3.04	13.52	50.00	-36.48	Average



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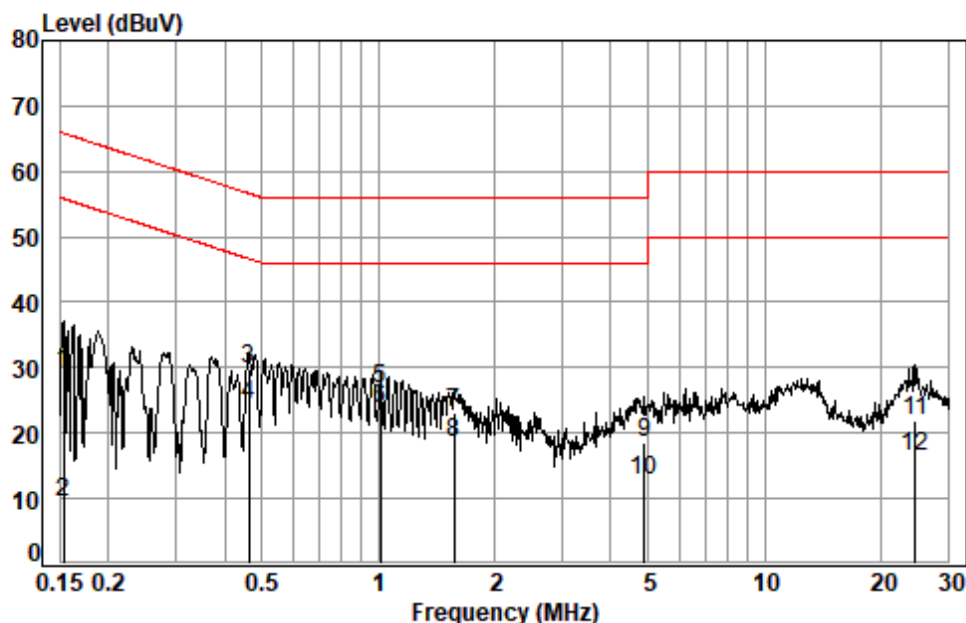
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SZEMC-TRF-01 Rev. A/2

Report No.: SZCR251000471507

Page: 18 of 669

Test Mode: 29; Line: Neutral Line



Site : Shielding Room

Condition: Neutral

Job No. : 04715WM

Test mode: 29

	Freq	Cable Loss	LISN Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB	dBuV	dBuV	dBuV	dB	
1	0.1532	0.06	10.15	18.84	29.05	65.82	-36.77	QP
2	0.1532	0.06	10.15	-0.70	9.51	55.82	-46.31	Average
3 *	0.4612	0.09	9.72	20.03	29.84	56.67	-26.83	QP
4	0.4612	0.09	9.72	14.38	24.19	46.67	-22.48	Average
5	1.0157	0.11	9.54	17.26	26.91	56.00	-29.09	QP
6 *	1.0157	0.11	9.54	14.20	23.85	46.00	-22.15	Average
7	1.5684	0.12	9.55	13.41	23.08	56.00	-32.92	QP
8	1.5684	0.12	9.55	8.84	18.51	46.00	-27.49	Average
9	4.8997	0.14	9.56	8.89	18.59	56.00	-37.41	QP
10	4.8997	0.14	9.56	3.14	12.84	46.00	-33.16	Average
11	24.5291	0.24	10.42	11.17	21.83	60.00	-38.17	QP
12	24.5291	0.24	10.42	5.70	16.36	50.00	-33.64	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
 Test Engineer: Sean Xiao

7.2.1 E.U.T. Operation

Operating Environment:
 Temperature: 23.4 °C Humidity: 48.5 % RH Atmospheric Pressure: 1020 mbar

7.2.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Pre-scan	25	TX mode (U-NII-5) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ MCS0 is the worst case of IEEE 802.11 a/ ax 20/40/80, Only the data of worst case is recorded in the report.
Pre-scan	26	TX mode (U-NII-6) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ MCS0 is the worst case of IEEE 802.11 a/ ax 20/40/80, Only the data of worst case is recorded in the report.
Pre-scan	27	TX mode (U-NII-7) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ MCS0 is the worst case of IEEE 802.11 a/ ax 20/40/80, Only the data of worst case is recorded in the report.
Pre-scan	28	TX mode (U-NII-8) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ MCS0 is the worst case of IEEE 802.11 a/ ax 20/40/80, Only the data of worst case is recorded in the report.
Final test	29	Charge + TX mode (U-NII-5) _Keep the EUT in continuously transmitting mode with all modulation types and being charged. All data rates for each modulation type have been tested and found the data rate @ MCS0 is the worst case of IEEE 802.11 a/ ax 20/40/80, Only the data of worst case is recorded in the report.
Pre-scan	30	Charge + TX mode (U-NII-6) _Keep the EUT in continuously transmitting mode with all modulation types and being charged. All data rates for each modulation type have been tested and found the data rate @ MCS0 is the worst case of IEEE 802.11 a/ ax 20/40/80, Only the data of worst case is recorded in the report.
Pre-scan	31	Charge + TX mode (U-NII-7) _Keep the EUT in continuously transmitting mode with all modulation types and being charged. All data rates for each modulation type have been tested and found the data rate @ MCS0 is the worst case of IEEE 802.11 a/ ax 20/40/80, Only the data of worst case is recorded in the report.
Pre-scan	32	Charge + TX mode (U-NII-8) _Keep the EUT in continuously transmitting mode with all modulation types and being charged. All data rates for each modulation type have been tested and found the data rate @ MCS0 is the worst case of IEEE 802.11 a/ ax 20/40/80, Only the data of worst case is recorded in the report.



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7.2.3 Test Setup Diagram

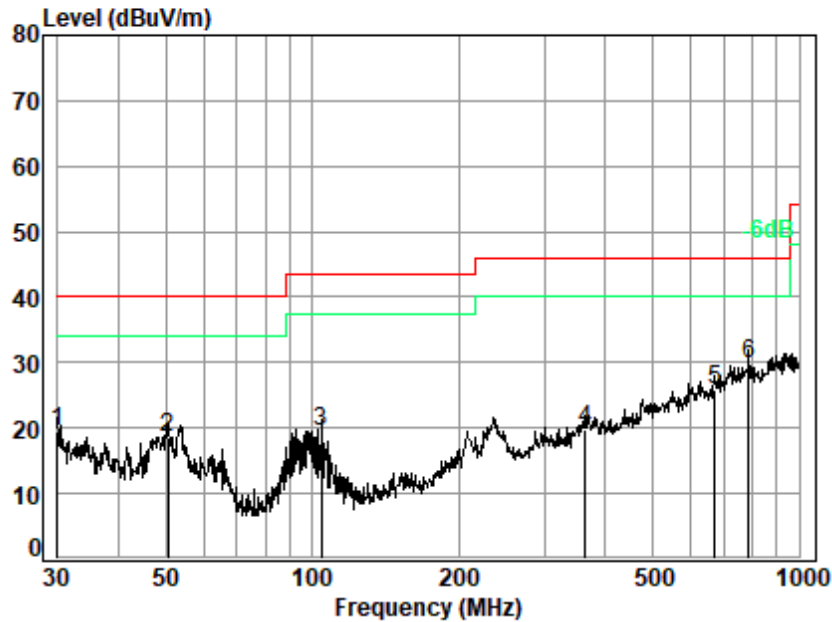
7.2.4 Measurement Procedure and Data

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

Remark:

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

Test Mode: 29; Polarity: Horizontal



Site : chamber
Condition: 3m HORIZONTAL
Job No. : 04715WM
Test Mode: 29

	Ant Freq	Cable Factor	Preamp Loss	Read Factor	Level	Limit	Over	
	MHz	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB
1	30.000	21.20	0.74	27.65	25.31	19.60	40.00	-20.40 QP
2	50.409	12.69	0.90	27.63	32.65	18.61	40.00	-21.39 QP
3	104.170	12.22	1.25	27.61	33.53	19.39	43.50	-24.11 QP
4	364.260	20.29	2.37	27.67	24.81	19.80	46.00	-26.20 QP
5	670.489	25.57	3.32	27.91	24.94	25.92	46.00	-20.08 QP
6 q	787.851	27.15	3.66	27.63	26.65	29.83	46.00	-16.17 QP



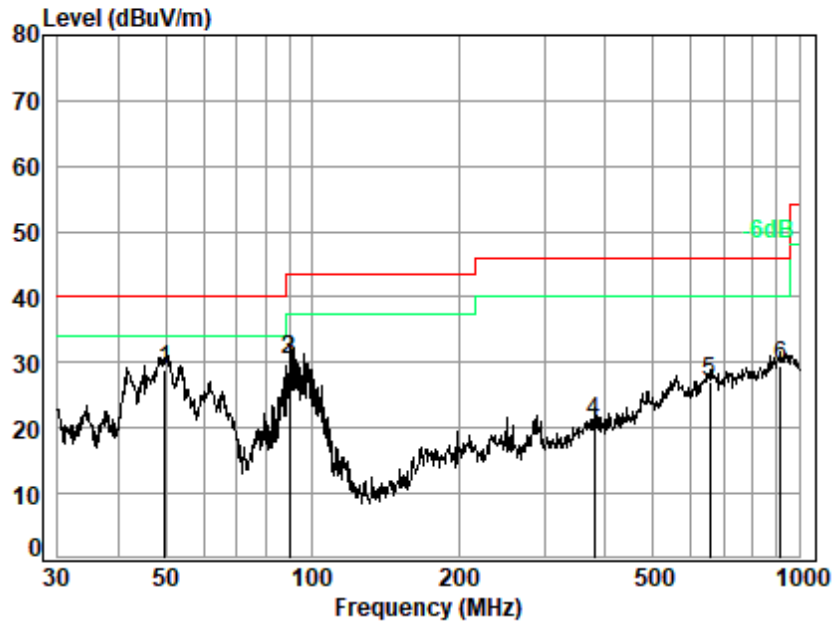
SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

SZEMC-TRF-01 Rev. A/2

Report No.: SZCR251000471507

Page: 22 of 669

Test Mode: 29; Polarity: Vertical



Site : chamber
Condition: 3m VERTICAL
Job No. : 04715WM
Test Mode: 29

		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	q	49.881	12.79	0.90	27.63	42.76	28.82	40.00 -11.18 QP
2		89.905	11.72	1.18	27.60	45.22	30.52	43.50 -12.98 QP
3		89.905	11.72	1.18	27.60	45.22	30.52	43.50 -12.98 QP
4		379.914	20.91	2.42	27.70	25.42	21.05	46.00 -24.95 QP
5		656.530	25.07	3.28	27.94	26.58	26.99	46.00 -19.01 QP
6		916.069	28.06	4.01	26.87	24.31	29.51	46.00 -16.49 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
 Test Engineer: Xing Guo

7.3.1 E.U.T. Operation

Operating Environment:
 Temperature: 21.8 °C Humidity: 52.6 % RH Atmospheric Pressure: 1020 mbar

7.3.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	25	TX mode (U-NII-5) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ MCS0 is the worst case of IEEE 802.11 a/ ax 20/40/80, Only the data of worst case is recorded in the report.
Final test	26	TX mode (U-NII-6) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ MCS0 is the worst case of IEEE 802.11 a/ ax 20/40/80, Only the data of worst case is recorded in the report.
Final test	27	TX mode (U-NII-7) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ MCS0 is the worst case of IEEE 802.11 a/ ax 20/40/80, Only the data of worst case is recorded in the report.
Final test	28	TX mode (U-NII-8) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ MCS0 is the worst case of IEEE 802.11 a/ ax 20/40/80, Only the data of worst case is recorded in the report.
Pre-scan	29	Charge + TX mode (U-NII-5) _Keep the EUT in continuously transmitting mode with all modulation types and being charged. All data rates for each modulation type have been tested and found the data rate @ MCS0 is the worst case of IEEE 802.11 a/ ax 20/40/80, Only the data of worst case is recorded in the report.
Pre-scan	30	Charge + TX mode (U-NII-6) _Keep the EUT in continuously transmitting mode with all modulation types and being charged. All data rates for each modulation type have been tested and found the data rate @ MCS0 is the worst case of IEEE 802.11 a/ ax 20/40/80, Only the data of worst case is recorded in the report.
Pre-scan	31	Charge + TX mode (U-NII-7) _Keep the EUT in continuously transmitting mode with all modulation types and being charged. All data rates for each modulation type have been tested and found the data rate @ MCS0 is the worst case of IEEE 802.11 a/ ax 20/40/80, Only the data of worst case is recorded in the report.
Pre-scan	32	Charge + TX mode (U-NII-8) _Keep the EUT in continuously transmitting mode with all modulation types and being charged. All data rates for each modulation type have been tested and found the data rate @ MCS0 is the worst case of IEEE 802.11 a/ ax 20/40/80, Only the data of worst case is recorded in the report.

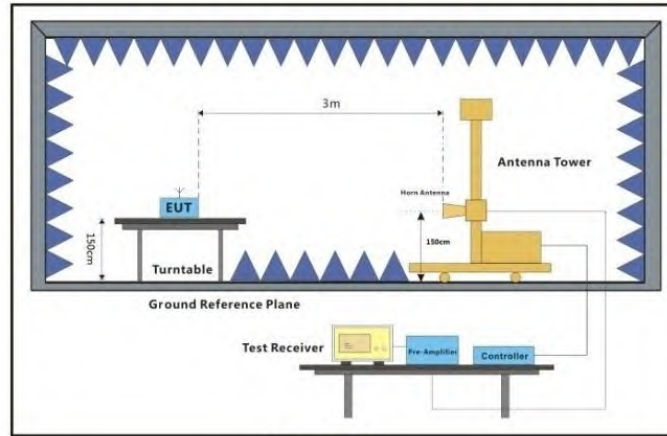


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 No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn
 中国·广东·深圳市南山区科技园中区M-10栋1号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594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

7.3.3 Test Setup Diagram



Above 1GHz



7.3.4 Measurement Procedure and Data

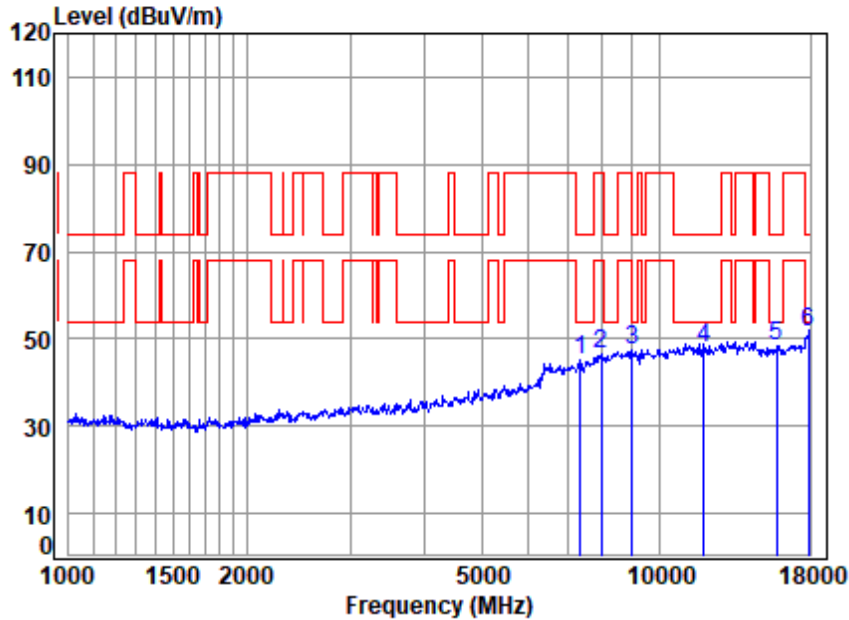
- a. For above 1GHz, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter fully-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which 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 below 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 below harmonics were the highest point could be found when testing, so only the below harmonics had been displayed.
5. For devices with multiple operating modes, measurements on the middle channel is used to determine the worst-case mode(s). Only the worst case mode with the highest output power and the mode with the highest output power spectral density for each modulation family (e.g., OFDM and direct sequence spread spectrum) is recorded in the test report.
6. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is 3MHz for Peak detection (PK) and Average detection (AV) at frequency above 1GHz.
7. For fundamental and harmonic signal measurement, the resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is $\geq 1/T$ (Duty cycle $<98\%$) or 10Hz (Duty cycle $\geq 98\%$) for Average detection (AV) at frequency above 1GHz.



Test Mode: 25; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Condition: 3m HORIZONTAL

Job No : 04715WM

Mode : 5955 TX RSE

: Wi-Fi 6E 11A

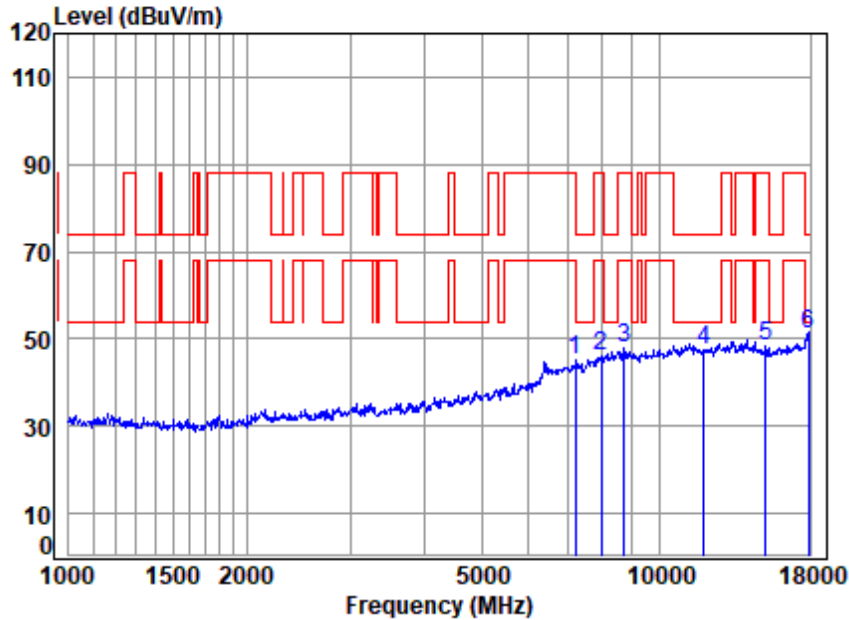
		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	7347.474	11.51	36.79	56.42	53.40	45.28	74.00	-28.72	peak
2	7966.832	11.55	37.73	55.93	53.34	46.69	88.20	-41.51	peak
3	8995.123	12.15	38.59	55.00	51.77	47.51	88.20	-40.69	peak
4	11910.000	14.87	39.71	53.77	46.95	47.76	74.00	-26.24	peak
5	15804.660	17.04	38.51	54.06	46.98	48.47	74.00	-25.53	peak
6	pp17865.000	18.22	42.89	54.47	45.07	51.71	74.00	-22.29	peak



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Test Mode: 25; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Condition: 3m VERTICAL

Job No : 04715WM

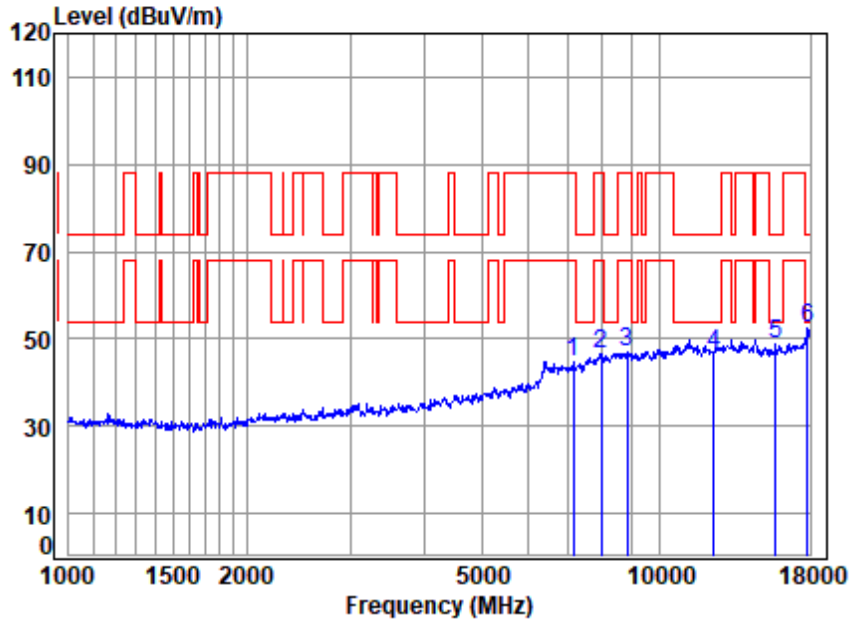
Mode : 5955 TX RSE

: 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	7221.150	11.52	36.60	56.52	53.49	45.09	88.20	-43.11	peak
2	7966.832	11.55	37.73	55.93	52.67	46.02	88.20	-42.18	peak
3	8713.630	12.11	38.57	55.26	52.50	47.92	88.20	-40.28	peak
4	11910.000	14.87	39.71	53.77	46.67	47.48	74.00	-26.52	peak
5	15134.080	16.71	38.73	54.26	47.38	48.56	88.20	-39.64	peak
6	pp17865.000	18.22	42.89	54.47	44.64	51.28	74.00	-22.72	peak



Test Mode: 25; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:middle



Condition: 3m HORIZONTAL

Job No : 04715WM

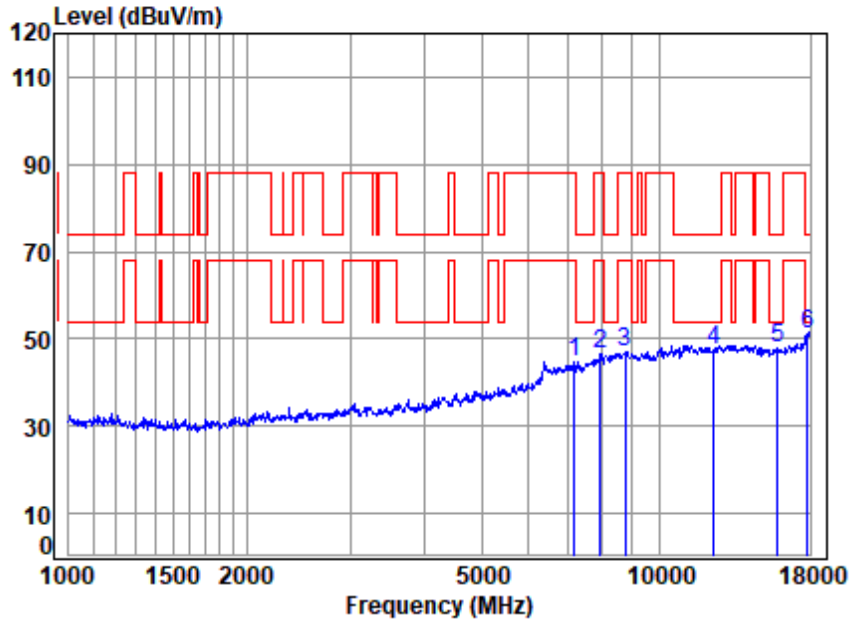
Mode : 6175 TX RSE

: 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	7158.806	11.71	36.52	56.57	53.23	44.89	88.20	-43.31	peak
2	7989.893	11.56	37.78	55.91	53.04	46.47	88.20	-41.73	peak
3	8814.957	12.25	38.50	55.17	51.50	47.08	88.20	-41.12	peak
4	12350.000	15.08	39.85	54.04	45.84	46.73	74.00	-27.27	peak
5	15713.560	17.24	38.59	54.09	47.15	48.89	74.00	-25.11	peak
6	pp17844.590	18.21	42.77	54.47	45.87	52.38	74.00	-21.62	peak



Test Mode: 25; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:middle



Condition: 3m VERTICAL

Job No : 04715WM

Mode : 6175 TX RSE

: Wi-Fi 6E 11A

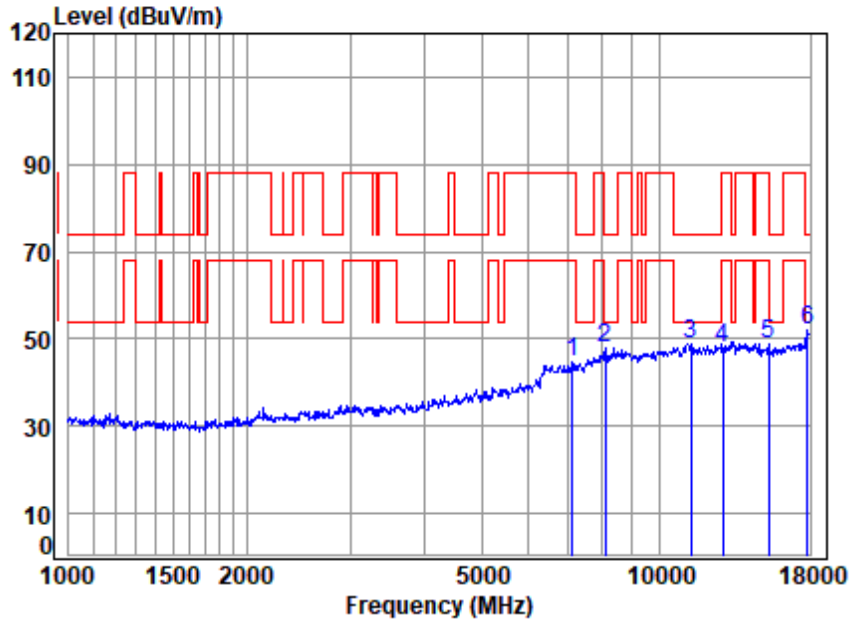
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	7179.527	11.62	36.56	56.56	53.13	44.75	88.20	-43.45	peak
2	7943.838	11.55	37.69	55.94	53.46	46.76	88.20	-41.44	peak
3	8738.852	12.15	38.52	55.24	51.44	46.87	88.20	-41.33	peak
4	12350.000	15.08	39.85	54.04	46.65	47.54	74.00	-26.46	peak
5	15850.410	17.16	38.60	54.04	46.25	47.97	74.00	-26.03	peak
6	pp17844.590	18.21	42.77	54.47	44.67	51.18	74.00	-22.82	peak



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Test Mode: 25; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Condition: 3m HORIZONTAL

Job No : 04715WM

Mode : 6415 TX RSE

: Wi-Fi 6E 11A

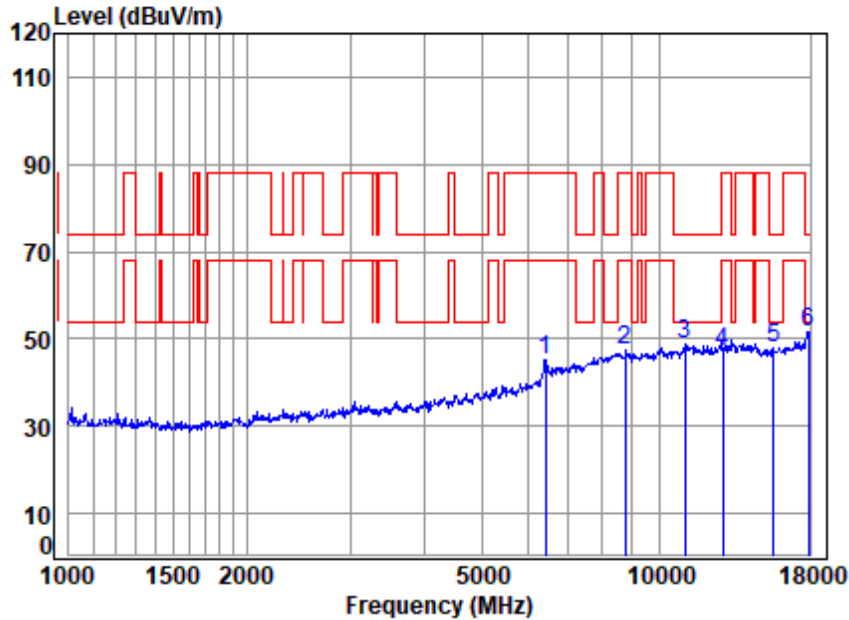
		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	7117.542	11.91	36.44	56.61	52.83	44.57	88.20	-43.63	peak
2	8106.200	11.46	37.81	55.80	54.31	47.78	74.00	-26.22	peak
3	11302.480	14.63	39.70	53.59	47.99	48.73	74.00	-25.27	peak
4	12830.000	15.53	40.33	54.38	46.20	47.68	88.20	-40.52	peak
5	15310.070	16.90	38.69	54.21	47.36	48.74	88.20	-39.46	peak
6	pp17844.590	18.21	42.77	54.47	45.54	52.05	74.00	-21.95	peak



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Test Mode: 25; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Condition: 3m VERTICAL

Job No : 04715WM

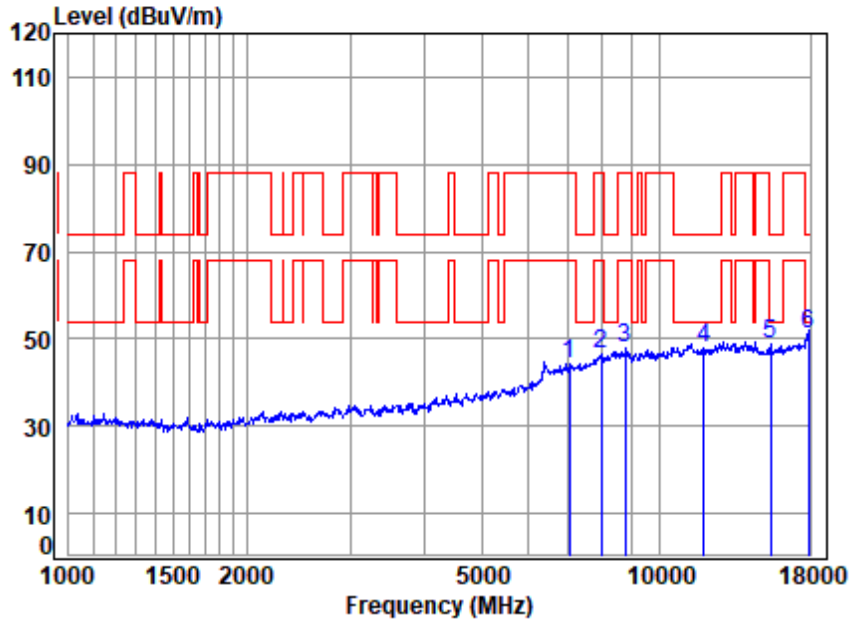
Mode : 6415 TX RSE

: 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	54.28	45.36	88.20	-42.84	peak
2	8764.146	12.19	38.50	55.21	51.77	47.25	88.20	-40.95	peak
3	11044.130	14.39	39.44	53.51	48.29	48.61	74.00	-25.39	peak
4	12830.000	15.53	40.33	54.38	45.71	47.19	88.20	-41.01	peak
5	15622.990	17.19	38.52	54.11	46.33	47.93	74.00	-26.07	peak
6	pp17896.250	18.25	43.08	54.48	44.68	51.53	74.00	-22.47	peak



Test Mode: 25; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:Low



Condition: 3m HORIZONTAL

Job No : 04715WM

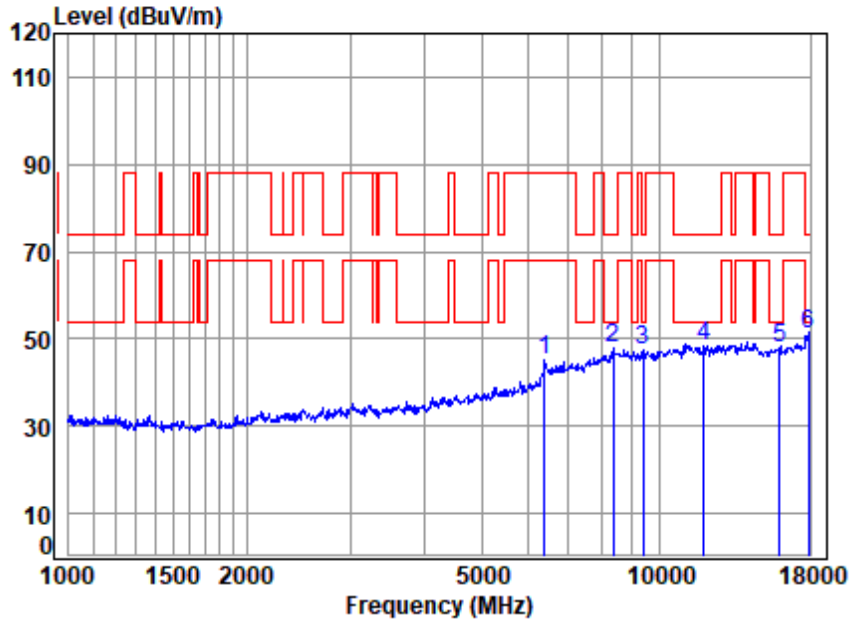
Mode : 5955 TX RSE

: 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	7056.092	11.72	36.31	56.66	53.11	44.48	88.20	-43.72	peak
2	7966.832	11.55	37.73	55.93	53.26	46.61	88.20	-41.59	peak
3	8764.146	12.19	38.50	55.21	52.47	47.95	88.20	-40.25	peak
4	11910.000	14.87	39.71	53.77	46.96	47.77	74.00	-26.23	peak
5	15443.410	16.82	38.60	54.17	47.36	48.61	74.00	-25.39	peak
6	pp17865.000	18.22	42.89	54.47	44.39	51.03	74.00	-22.97	peak



Test Mode: 25; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:Low



Condition: 3m VERTICAL

Job No : 04715WM

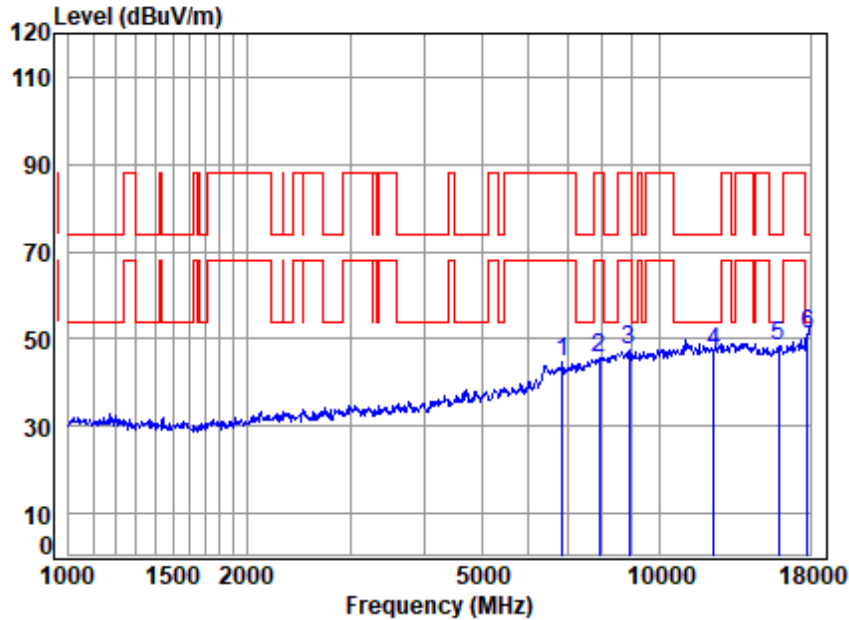
Mode : 5955 TX RSE

: 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	6395.654	13.23	34.79	56.82	53.87	45.07	88.20	-43.13	peak
2	8343.918	11.70	38.60	55.59	53.30	48.01	74.00	-25.99	peak
3	9393.689	12.29	38.80	54.65	51.16	47.60	74.00	-26.40	Peak
4	11910.000	14.87	39.71	53.77	47.33	48.14	74.00	-25.86	peak
5	15988.450	17.16	38.61	54.00	46.13	47.90	74.00	-26.10	peak
6	pp17865.000	18.22	42.89	54.47	44.56	51.20	74.00	-22.80	peak



Test Mode: 25; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:middle



Condition: 3m HORIZONTAL

Job No : 04715WM

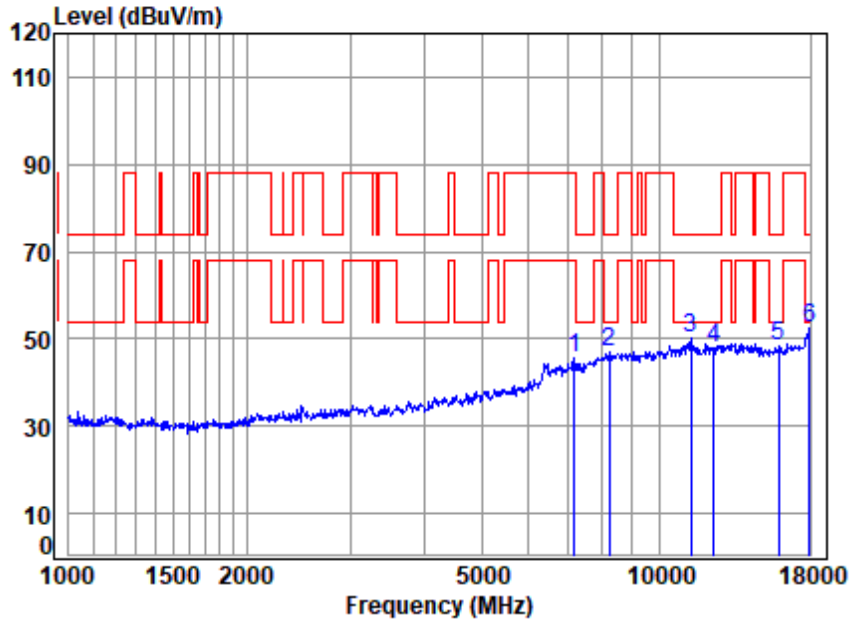
Mode : 6175 TX RSE

: 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	6855.063	11.37	36.02	56.73	54.01	44.67	88.20	-43.53	peak
2	7898.049	11.54	37.59	55.98	52.51	45.66	88.20	-42.54	peak
3	8891.725	12.22	38.58	55.10	51.84	47.54	88.20	-40.66	peak
4	12350.000	15.08	39.85	54.04	45.90	46.79	74.00	-27.21	peak
5	15942.300	17.22	38.66	54.02	46.41	48.27	74.00	-25.73	peak
6	pp17844.590	18.21	42.77	54.47	44.59	51.10	74.00	-22.90	peak



Test Mode: 25; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:middle



Condition: 3m VERTICAL

Job No : 04715WM

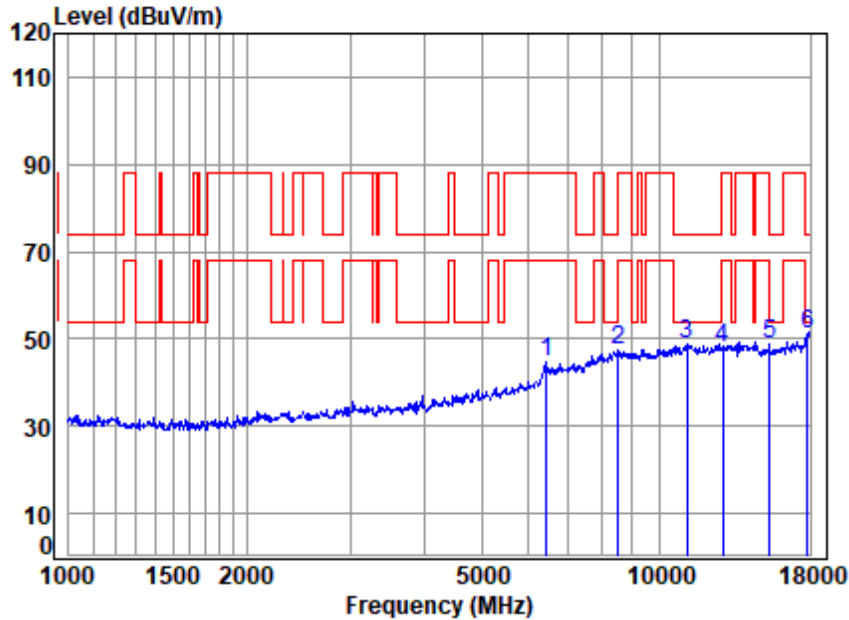
Mode : 6175 TX RSE

: 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	7179.527	11.62	36.56	56.56	54.03	45.65	88.20	-42.55	peak
2	8224.200	11.62	37.90	55.70	53.09	46.91	74.00	-27.09	peak
3	11302.480	14.63	39.70	53.59	49.54	50.28	74.00	-23.72	Peak
4	12350.000	15.08	39.85	54.04	47.02	47.91	74.00	-26.09	peak
5	15942.300	17.22	38.66	54.02	46.32	48.18	74.00	-25.82	peak
6	pp17948.050	18.30	43.44	54.49	45.11	52.36	74.00	-21.64	Peak



Test Mode: 25; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:High



Condition: 3m HORIZONTAL

Job No : 04715WM

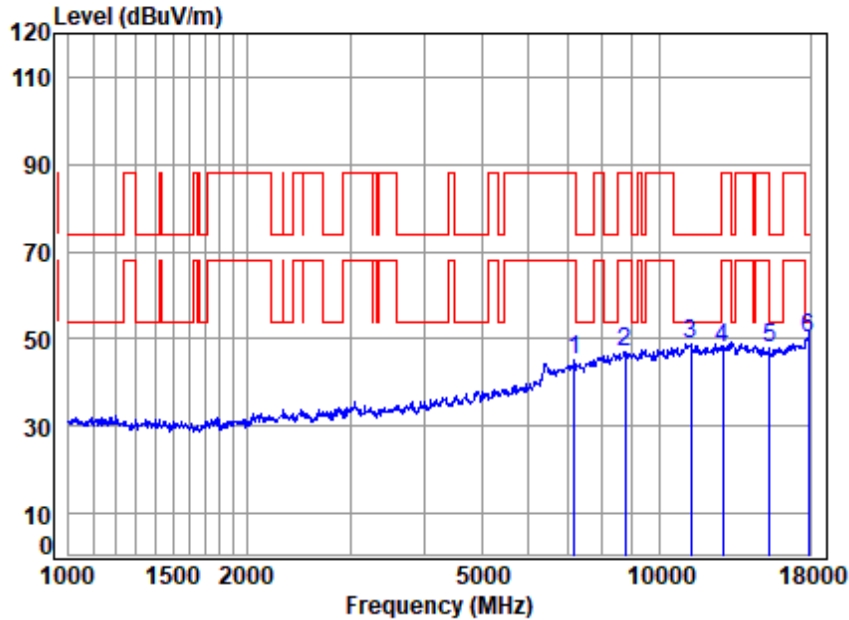
Mode : 6415 TX RSE

: 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	6432.732	12.79	34.80	56.81	54.04	44.82	88.20	-43.38	peak
2	8514.456	12.26	38.30	55.44	52.17	47.29	88.20	-40.91	peak
3	11140.310	14.70	39.54	53.54	48.12	48.82	74.00	-25.18	peak
4	12830.000	15.53	40.33	54.38	46.27	47.75	88.20	-40.45	peak
5	15354.390	16.84	38.65	54.19	47.59	48.89	74.00	-25.11	peak
6	pp17844.590	18.21	42.77	54.47	44.78	51.29	74.00	-22.71	peak



Test Mode: 25; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:High



Condition: 3m VERTICAL

Job No : 04715WM

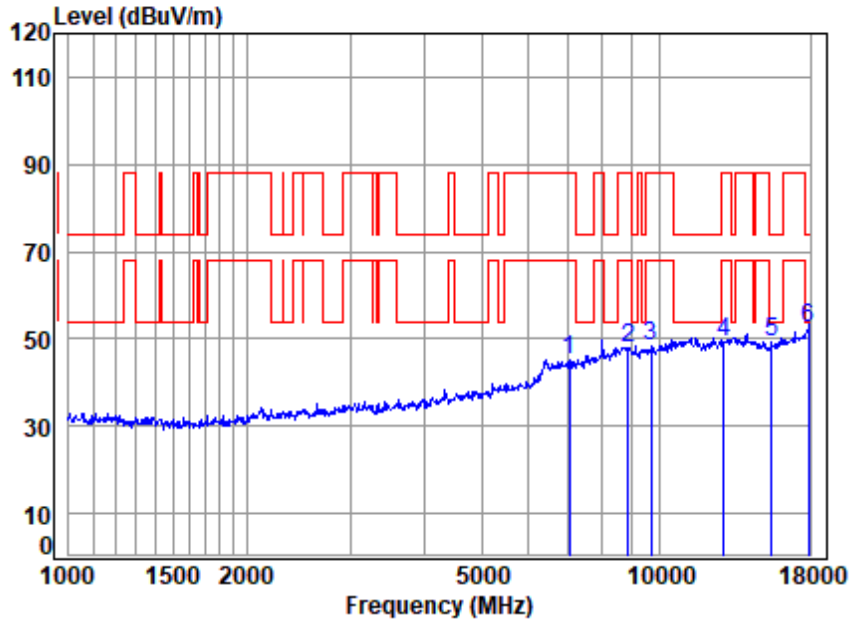
Mode : 6415 TX RSE

: 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	7179.527	11.62	36.56	56.56	53.64	45.26	88.20	-42.94	peak
2	8764.146	12.19	38.50	55.21	51.48	46.96	88.20	-41.24	peak
3	11302.480	14.63	39.70	53.59	48.02	48.76	74.00	-25.24	peak
4	12830.000	15.53	40.33	54.38	46.24	47.72	88.20	-40.48	peak
5	15354.390	16.84	38.65	54.19	46.64	47.94	74.00	-26.06	peak
6	pp17896.250	18.25	43.08	54.48	43.39	50.24	74.00	-23.76	peak



Test Mode: 26; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Condition: 3m HORIZONTAL

Job No : 04715WM

Mode : 6435 TX RSE

: Wi-Fi 6E 11A

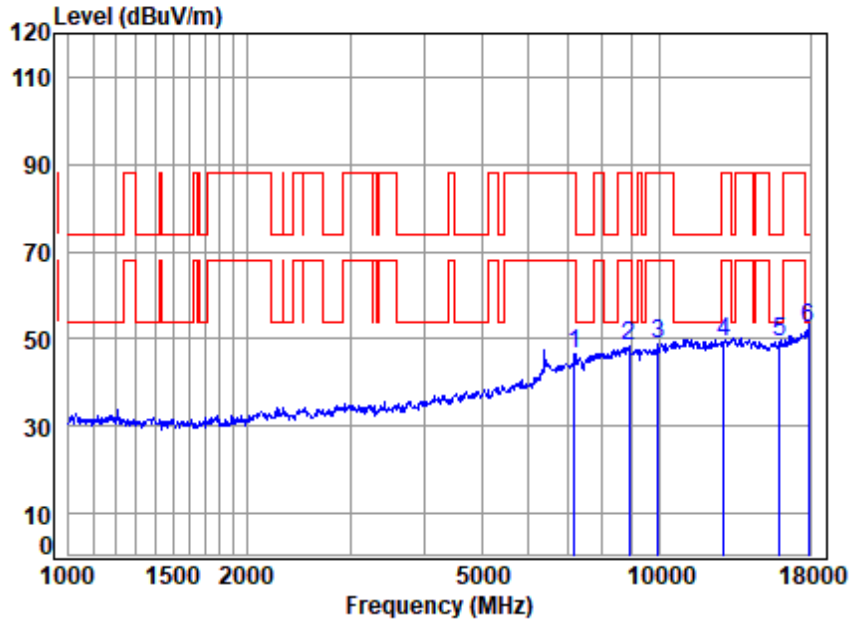
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	7056.092	11.72	36.31	56.66	53.61	44.98	88.20	-43.22	peak
2	8866.062	12.23	38.53	55.12	52.43	48.07	88.20	-40.13	peak
3	9669.164	12.62	38.70	54.40	51.46	48.38	88.20	-39.82	peak
4	12870.000	15.69	40.37	54.41	47.83	49.48	88.20	-38.72	peak
5	15488.110	16.88	38.60	54.15	48.02	49.35	74.00	-24.65	peak
6	pp17896.250	18.25	43.08	54.48	45.80	52.65	74.00	-21.35	peak



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Test Mode: 26; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Condition: 3m VERTICAL

Job No : 04715WM

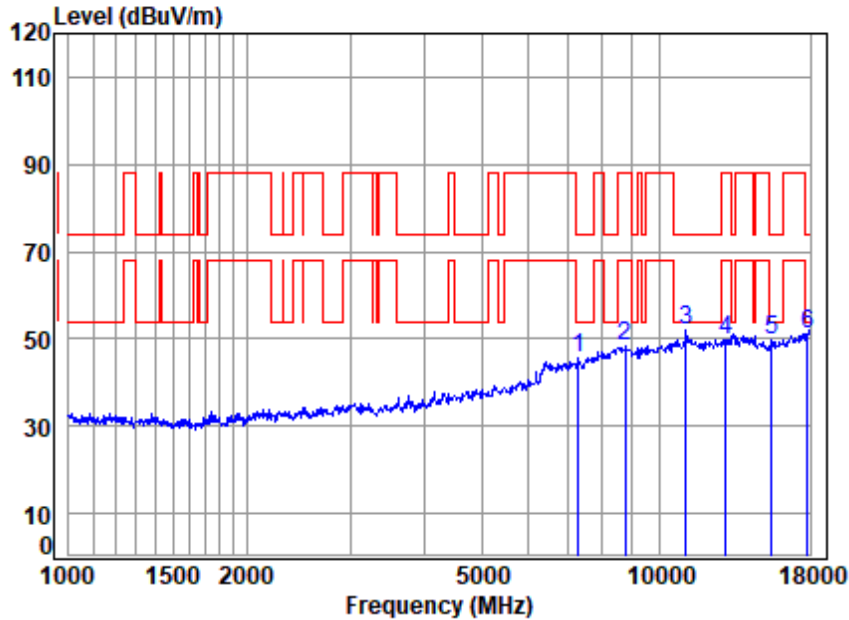
Mode : 6435 TX RSE

: 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	7179.527	11.62	36.56	56.56	55.10	46.72	88.20	-41.48	peak
2	8891.725	12.22	38.58	55.10	52.67	48.37	88.20	-39.83	peak
3	9952.717	12.91	38.90	54.14	51.31	48.98	88.20	-39.22	peak
4	12870.000	15.69	40.37	54.41	47.56	49.21	88.20	-38.99	peak
5	15988.450	17.16	38.61	54.00	47.36	49.13	74.00	-24.87	peak
6	pp17896.250	18.25	43.08	54.48	45.62	52.47	74.00	-21.53	peak



Test Mode: 26; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:middle



Condition: 3m HORIZONTAL

Job No : 04715WM

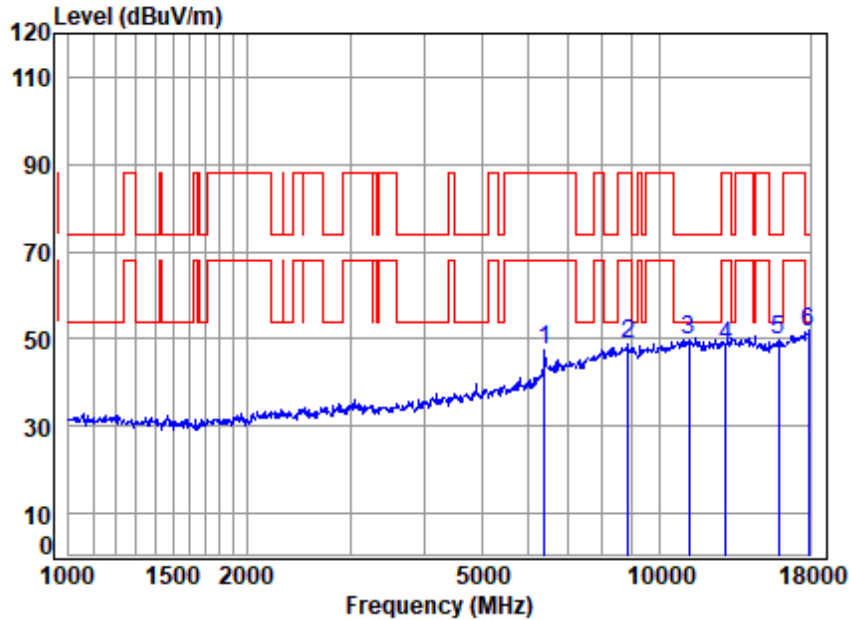
Mode : 6475 TX RSE

: 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	7305.122	11.51	36.71	56.46	53.85	45.61	74.00	-28.39	peak
2	8764.146	12.19	38.50	55.21	52.80	48.28	88.20	-39.92	peak
3	pp11108.160	14.67	39.51	53.53	51.16	51.81	74.00	-22.19	peak
4	12950.000	15.85	40.35	54.47	47.88	49.61	88.20	-38.59	peak
5	15488.110	16.88	38.60	54.15	48.24	49.57	74.00	-24.43	peak
6	17793.090	18.18	42.45	54.46	45.01	51.18	74.00	-22.82	peak



Test Mode: 26; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:middle



Condition: 3m VERTICAL

Job No : 04715WM

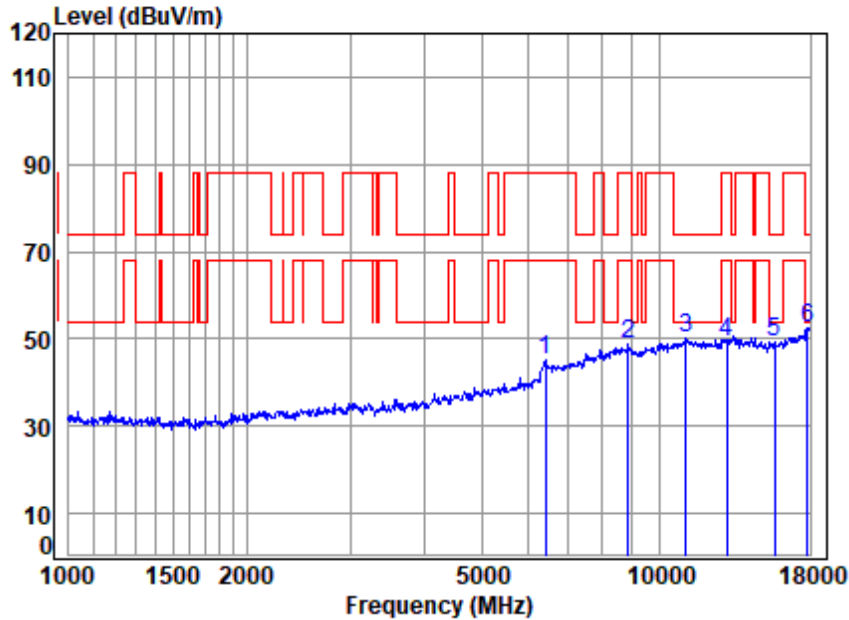
Mode : 6475 TX RSE

: 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	6395.654	13.23	34.79	56.82	56.41	47.61	88.20	-40.59	peak
2	8866.062	12.23	38.53	55.12	53.35	48.99	88.20	-39.21	peak
3	11204.900	14.75	39.60	53.56	48.74	49.53	74.00	-24.47	peak
4	12950.000	15.85	40.35	54.47	46.67	48.40	88.20	-39.80	peak
5	15896.290	17.27	38.69	54.03	47.68	49.61	74.00	-24.39	peak
6	pp17896.250	18.25	43.08	54.48	44.71	51.56	74.00	-22.44	peak



Test Mode: 26; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Condition: 3m HORIZONTAL

Job No : 04715WM

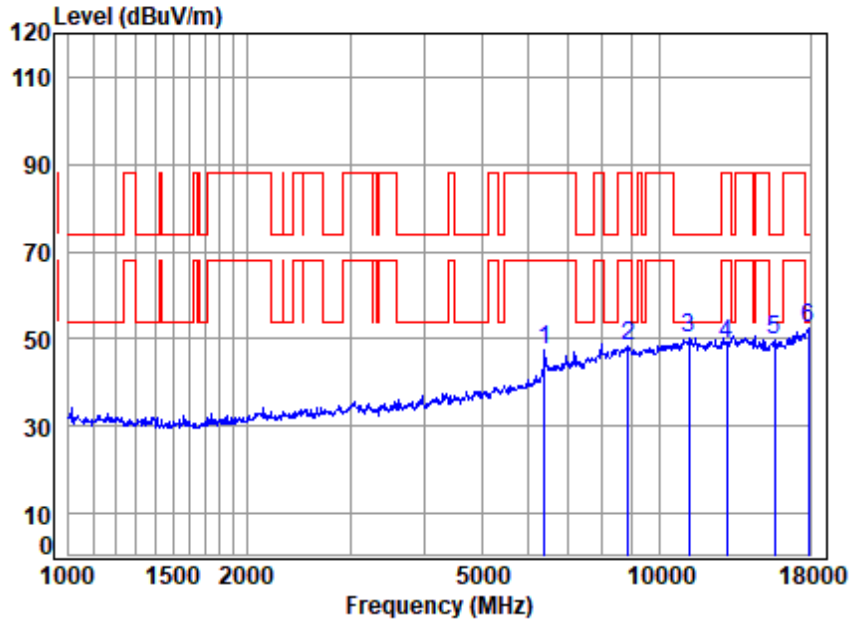
Mode : 6515 TX RSE

: 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	6414.167	13.10	34.80	56.82	53.97	45.05	88.20	-43.15	peak
2	8840.473	12.24	38.50	55.14	53.02	48.62	88.20	-39.58	peak
3	11108.160	14.67	39.51	53.53	49.32	49.97	74.00	-24.03	peak
4	13030.000	15.79	40.30	54.50	47.50	49.09	88.20	-39.11	peak
5	15668.210	17.24	38.57	54.10	47.74	49.45	74.00	-24.55	peak
6	pp17793.090	18.18	42.45	54.46	46.08	52.25	74.00	-21.75	peak



Test Mode: 26; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Condition: 3m VERTICAL

Job No : 04715WM

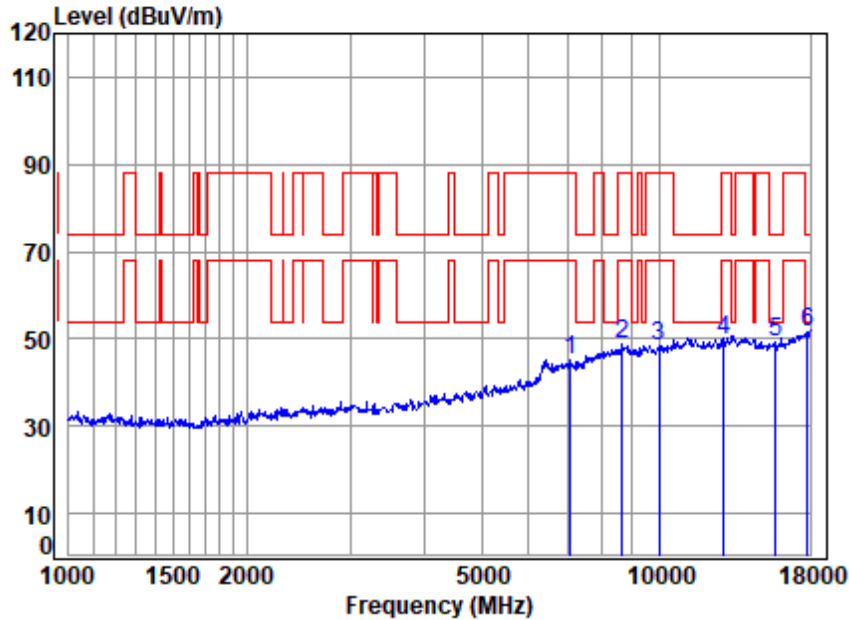
Mode : 6515 TX RSE

: 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	6395.654	13.23	34.79	56.82	56.40	47.60	88.20	-40.60	peak
2	8840.473	12.24	38.50	55.14	52.75	48.35	88.20	-39.85	peak
3	11204.900	14.75	39.60	53.56	49.25	50.04	74.00	-23.96	peak
4	13030.000	15.79	40.30	54.50	47.33	48.92	88.20	-39.28	peak
5	15668.210	17.24	38.57	54.10	47.82	49.53	74.00	-24.47	peak
6	pp17896.250	18.25	43.08	54.48	45.67	52.52	74.00	-21.48	peak



Test Mode: 26; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:Low



Condition: 3m HORIZONTAL

Job No : 04715WM

Mode : 6435 TX RSE

: Wi-Fi 6E 11AX20

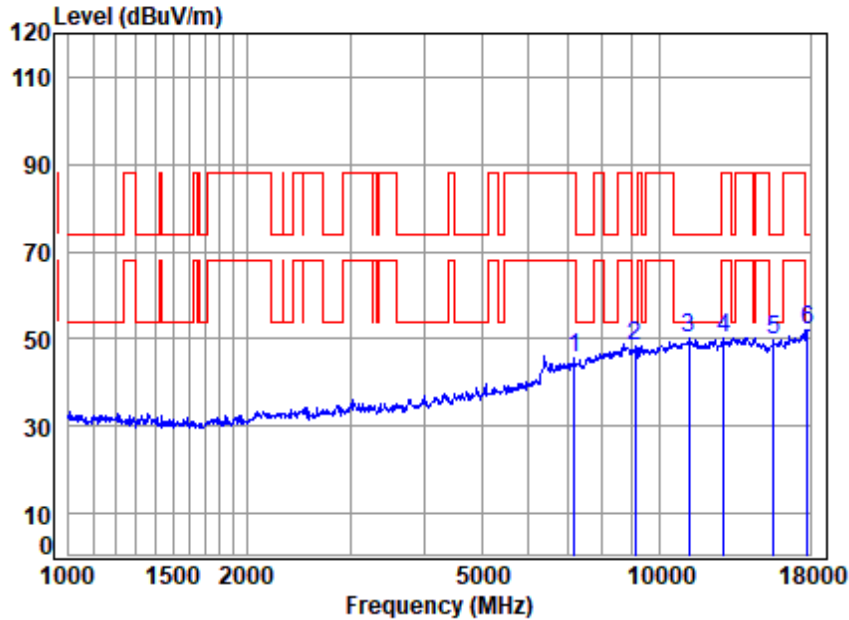
		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	7076.516	11.85	36.35	56.64	53.57	45.13	88.20	-43.07	peak
2	8663.404	12.04	38.45	55.30	53.54	48.73	88.20	-39.47	peak
3	9981.525	12.97	38.90	54.12	50.59	48.34	88.20	-39.86	peak
4	12870.000	15.69	40.37	54.41	47.96	49.61	88.20	-38.59	peak
5	15759.050	17.13	38.54	54.07	47.53	49.13	74.00	-24.87	peak
6	pp17844.590	18.21	42.77	54.47	45.03	51.54	74.00	-22.46	peak



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Test Mode: 26; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:Low



Condition: 3m VERTICAL

Job No : 04715WM

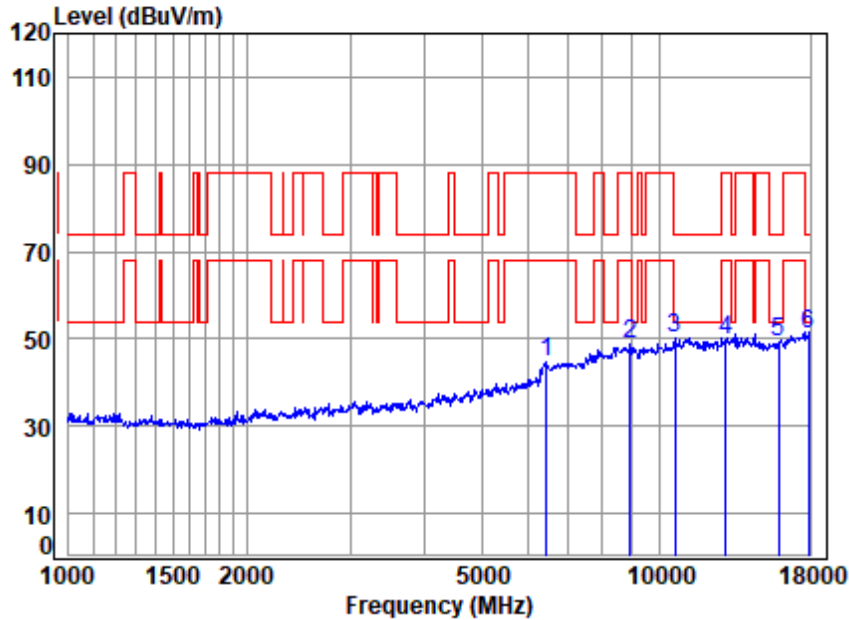
Mode : 6435 TX RSE

: 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	7179.527	11.62	36.56	56.56	54.21	45.83	88.20	-42.37	peak
2	9099.724	12.12	38.60	54.91	52.47	48.28	74.00	-25.72	peak
3	11204.900	14.75	39.60	53.56	49.43	50.22	74.00	-23.78	Peak
4	12870.000	15.69	40.37	54.41	48.66	50.31	88.20	-37.89	peak
5	15622.990	17.19	38.52	54.11	48.06	49.66	74.00	-24.34	peak
6	pp17793.090	18.18	42.45	54.46	45.78	51.95	74.00	-22.05	peak



Test Mode: 26; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:middle



Condition: 3m HORIZONTAL

Job No : 04715WM

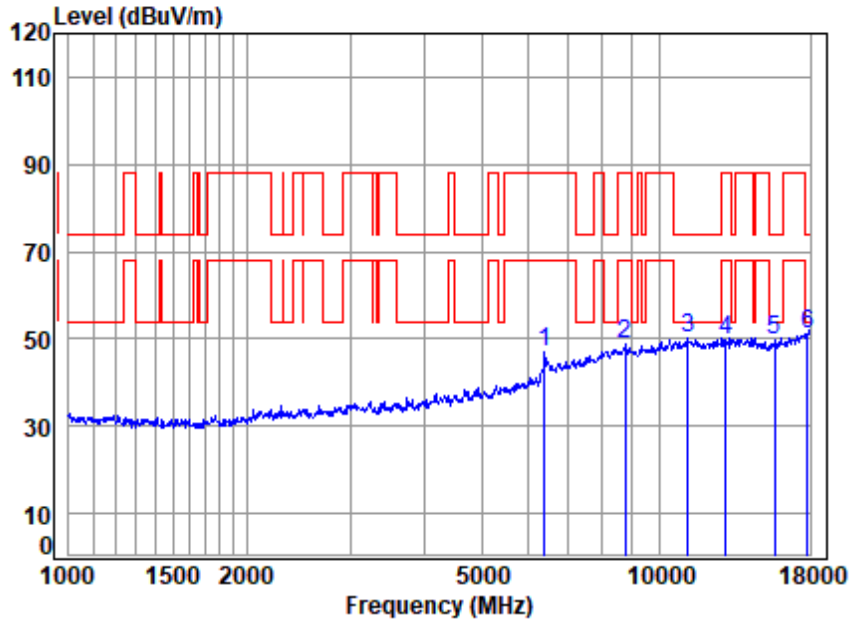
Mode : 6475 TX RSE

: Wi-Fi 6E 11AX20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	6451.353	12.48	34.80	56.81	54.25	44.72	88.20	-43.48	peak
2	8917.462	12.21	38.57	55.07	52.90	48.61	88.20	-39.59	peak
3	10636.850	13.76	39.34	53.72	50.95	50.33	74.00	-23.67	peak
4	12950.000	15.85	40.35	54.47	48.23	49.96	88.20	-38.24	peak
5	15896.290	17.27	38.69	54.03	47.44	49.37	74.00	-24.63	peak
6	pp17896.250	18.25	43.08	54.48	44.38	51.23	74.00	-22.77	peak



Test Mode: 26; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:middle



Condition: 3m VERTICAL

Job No : 04715WM

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	6395.654	13.23	34.79	56.82	55.65	46.85	88.20	-41.35	peak
2	8738.852	12.15	38.52	55.24	53.53	48.96	88.20	-39.24	peak
3	11172.560	14.73	39.57	53.55	49.32	50.07	74.00	-23.93	peak
4	12950.000	15.85	40.35	54.47	47.85	49.58	88.20	-38.62	peak
5	15668.210	17.24	38.57	54.10	48.02	49.73	74.00	-24.27	peak
6	pp17844.590	18.21	42.77	54.47	44.81	51.32	74.00	-22.68	peak



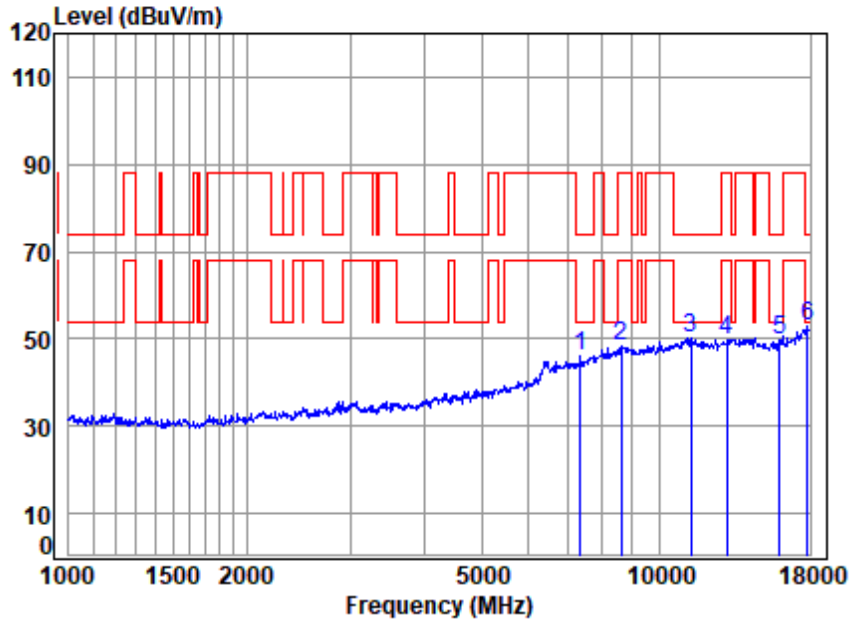
SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

SZEMC-TRF-01 Rev. A/2

Report No.: SZCR251000471507

Page: 48 of 669

Test Mode: 26; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:High



Condition: 3m HORIZONTAL

Job No : 04715WM

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	7347.474	11.51	36.79	56.42	54.08	45.96	74.00	-28.04	peak
2	8613.468	11.98	38.47	55.35	53.23	48.33	88.20	-39.87	peak
3	11302.480	14.63	39.70	53.59	49.41	50.15	74.00	-23.85	peak
4	13030.000	15.79	40.30	54.50	47.92	49.51	88.20	-38.69	peak
5	15988.450	17.16	38.61	54.00	48.06	49.83	74.00	-24.17	peak
6	pp17844.590	18.21	42.77	54.47	46.27	52.78	74.00	-21.22	peak



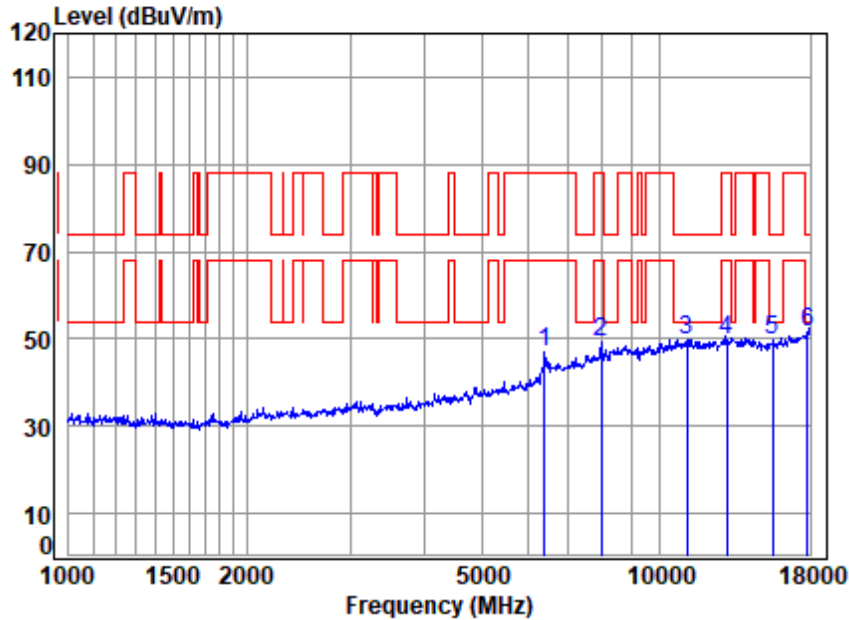
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中国·广东·深圳市南山区科技园中区M-10栋1号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

Test Mode: 26; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:High



Condition: 3m VERTICAL

Job No : 04715WM

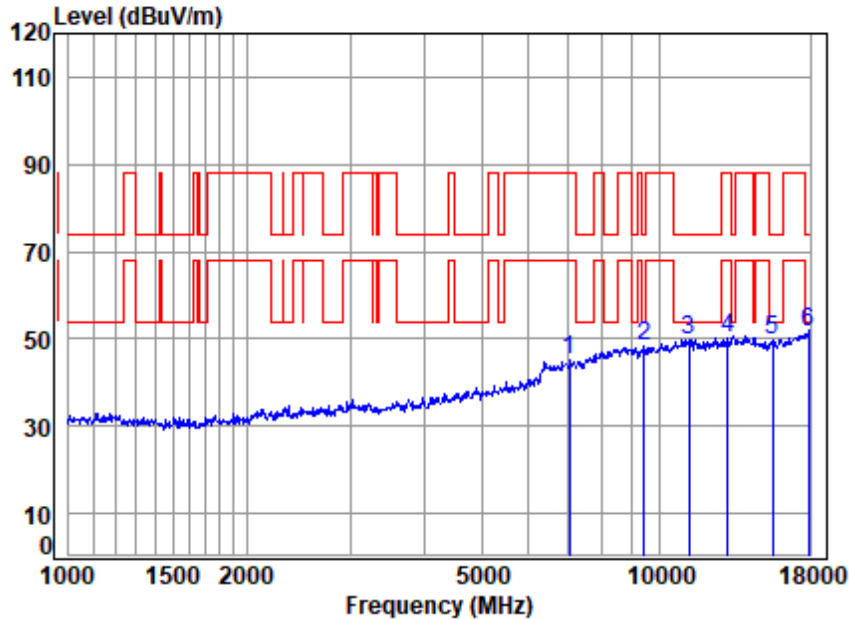
Mode : 6515 TX RSE

: 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	55.94	47.14	88.20	-41.06	peak
2	7989.893	11.56	37.78	55.91	55.92	49.35	88.20	-38.85	peak
3	11140.310	14.70	39.54	53.54	49.13	49.83	74.00	-24.17	peak
4	13030.000	15.79	40.30	54.50	48.02	49.61	88.20	-38.59	peak
5	15577.900	17.11	38.52	54.13	48.44	49.94	74.00	-24.06	peak
6	pp17844.590	18.21	42.77	54.47	44.90	51.41	74.00	-22.59	peak



Test Mode: 27; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Condition: 3m HORIZONTAL

Job No : 04715WM

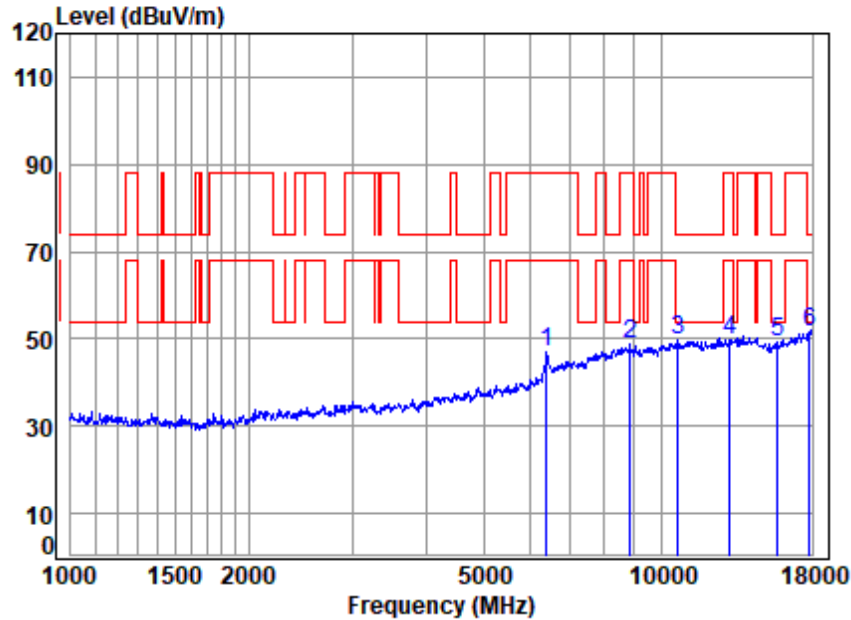
Mode : 6535 TX RSE

: 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	7056.092	11.72	36.31	56.66	53.80	45.17	88.20	-43.03	peak
2	9420.880	12.35	38.80	54.62	51.90	48.43	74.00	-25.57	peak
3	11204.900	14.75	39.60	53.56	49.05	49.84	74.00	-24.16	peak
4	13070.000	15.67	40.30	54.49	48.50	49.98	88.20	-38.22	peak
5	15532.940	16.98	38.57	54.14	48.34	49.75	74.00	-24.25	peak
6	pp17896.250	18.25	43.08	54.48	44.83	51.68	74.00	-22.32	peak



Test Mode: 27; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Condition: 3m VERTICAL

Job No : 04715WM

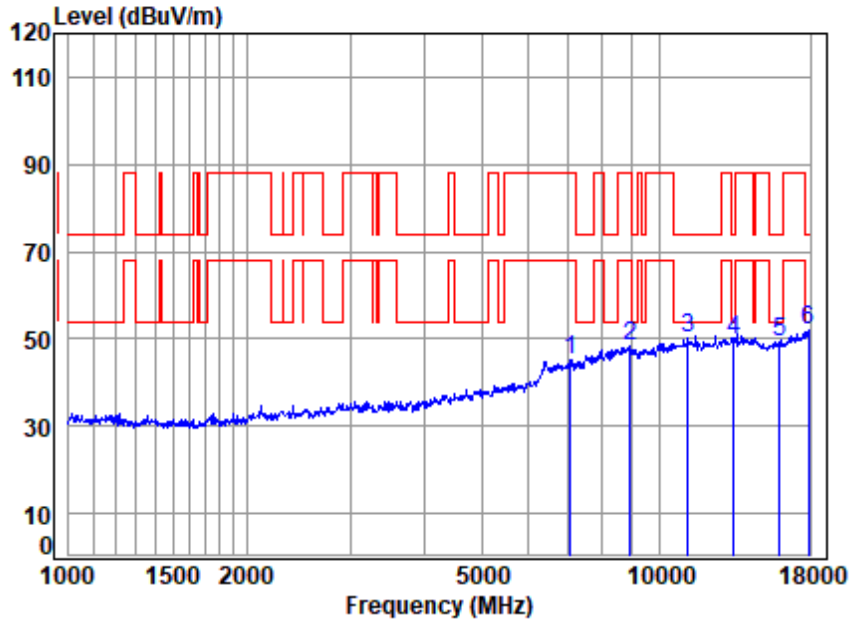
Mode : 6535 TX RSE

: 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	6395.654	13.23	34.79	56.82	55.84	47.04	88.20	-41.16	peak
2	8866.062	12.23	38.53	55.12	52.99	48.63	88.20	-39.57	peak
3	10667.640	13.89	39.37	53.70	50.04	49.60	74.00	-24.40	peak
4	13070.000	15.67	40.30	54.49	48.14	49.62	88.20	-38.58	peak
5	15713.560	17.24	38.59	54.09	47.58	49.32	74.00	-24.68	peak
6	pp17844.590	18.21	42.77	54.47	44.83	51.34	74.00	-22.66	peak



Test Mode: 27; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:middle



Condition: 3m HORIZONTAL

Job No : 04715WM

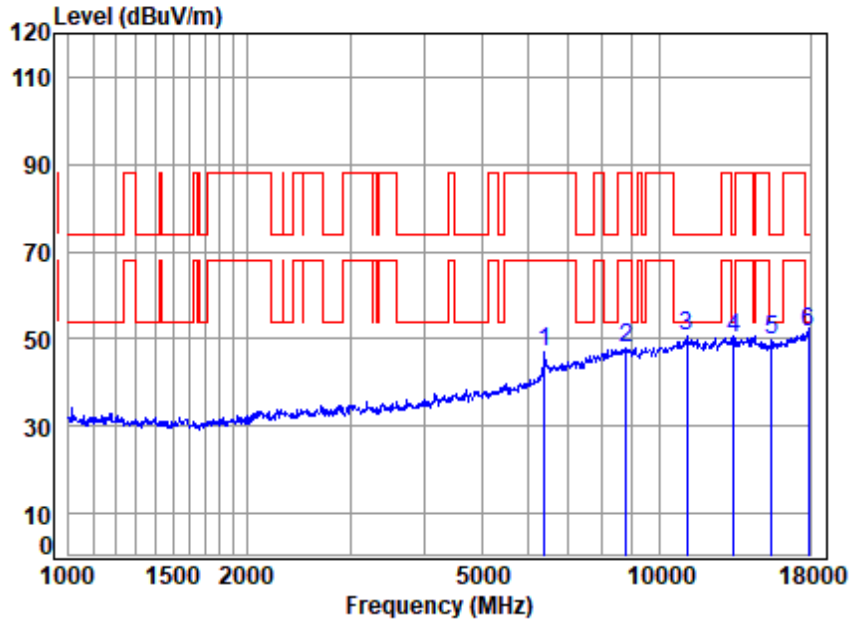
Mode : 6695 TX RSE

: 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	7076.516	11.85	36.35	56.64	53.73	45.29	88.20	-42.91	peak
2	8917.462	12.21	38.57	55.07	52.57	48.28	88.20	-39.92	peak
3	11172.560	14.73	39.57	53.55	49.48	50.23	74.00	-23.77	peak
4	13390.000	15.97	40.30	54.46	47.82	49.63	74.00	-24.37	peak
5	15988.450	17.16	38.61	54.00	47.43	49.20	74.00	-24.80	peak
6	pp17896.250	18.25	43.08	54.48	45.30	52.15	74.00	-21.85	peak



Test Mode: 27; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:middle



Condition: 3m VERTICAL

Job No : 04715WM

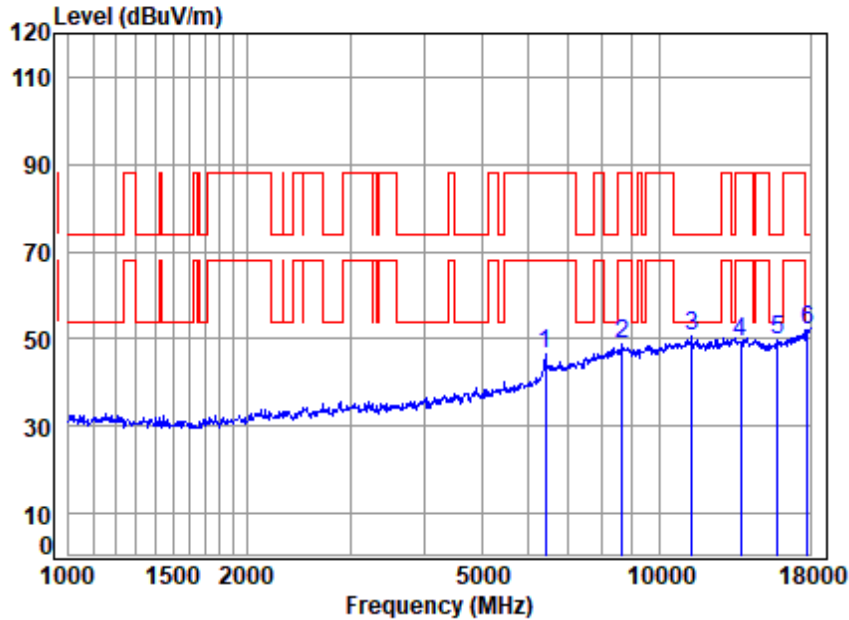
Mode : 6695 TX RSE

: 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	55.66	46.86	88.20	-41.34	peak
2	8789.516	12.23	38.50	55.19	52.50	48.04	88.20	-40.16	peak
3	11140.310	14.70	39.54	53.54	50.07	50.77	74.00	-23.23	peak
4	13390.000	15.97	40.30	54.46	48.49	50.30	74.00	-23.70	peak
5	15488.110	16.88	38.60	54.15	48.26	49.59	74.00	-24.41	peak
6	pp17896.250	18.25	43.08	54.48	44.71	51.56	74.00	-22.44	peak



Test Mode: 27; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Condition: 3m HORIZONTAL

Job No : 04715WM

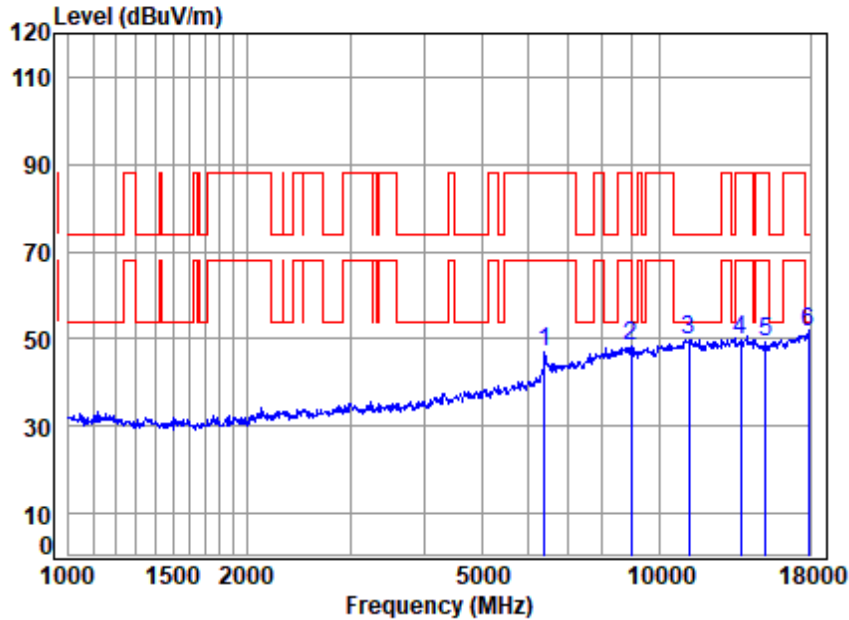
Mode : 6855 TX RSE

: 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	6414.167	13.10	34.80	56.82	55.51	46.59	88.20	-41.61	peak
2	8663.404	12.04	38.45	55.30	53.54	48.73	88.20	-39.47	peak
3	11368.000	14.35	39.70	53.61	50.00	50.44	74.00	-23.56	peak
4	13710.000	16.36	39.99	54.43	47.38	49.30	88.20	-38.90	peak
5	15850.410	17.16	38.60	54.04	47.80	49.52	74.00	-24.48	peak
6	pp17793.090	18.18	42.45	54.46	45.83	52.00	74.00	-22.00	peak



Test Mode: 27; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Condition: 3m VERTICAL

Job No : 04715WM

Mode : 6855 TX RSE

: Wi-Fi 6E 11A

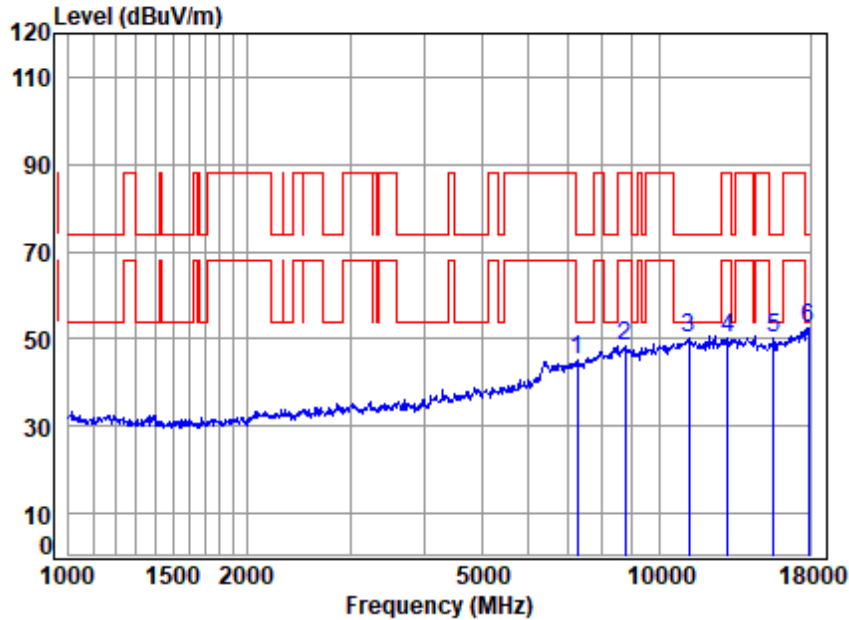
		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	6395.654	13.23	34.79	56.82	55.93	47.13	88.20	-41.07	peak
2	8943.274	12.19	38.51	55.05	52.58	48.23	88.20	-39.97	peak
3	11204.900	14.75	39.60	53.56	49.08	49.87	74.00	-24.13	peak
4	13710.000	16.36	39.99	54.43	47.83	49.75	88.20	-38.45	peak
5	15134.080	16.71	38.73	54.26	48.21	49.39	88.20	-38.81	peak
6	pp17896.250	18.25	43.08	54.48	44.63	51.48	74.00	-22.52	peak



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Test Mode: 27; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:Low



Condition: 3m HORIZONTAL

Job No : 04715WM

Mode : 6535 TX RSE

: Wi-Fi 6E 11AX20

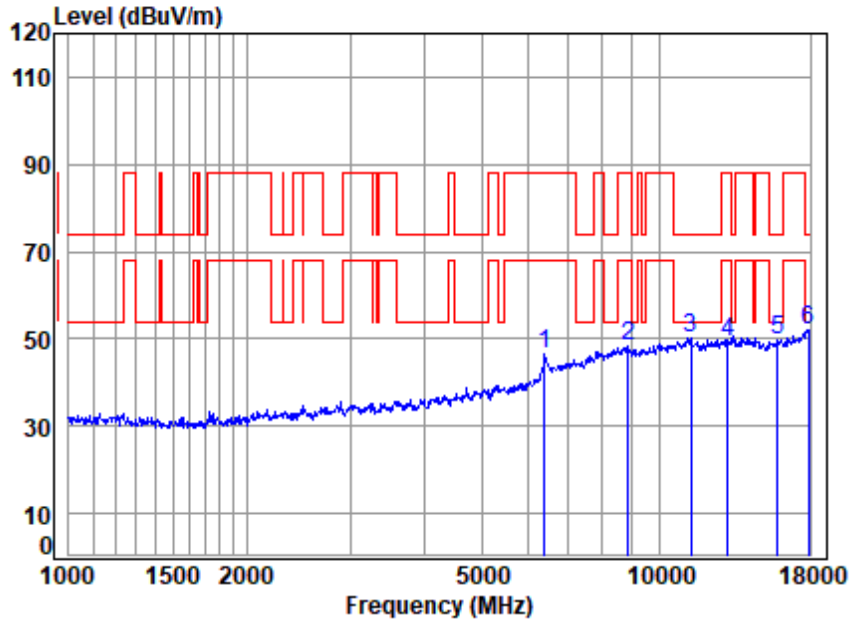
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	7263.015	11.51	36.63	56.49	53.30	44.95	74.00	-29.05	peak
2	8738.852	12.15	38.52	55.24	52.93	48.36	88.20	-39.84	peak
3	11204.900	14.75	39.60	53.56	49.29	50.08	74.00	-23.92	peak
4	13070.000	15.67	40.30	54.49	48.90	50.38	88.20	-37.82	peak
5	15622.990	17.19	38.52	54.11	48.57	50.17	74.00	-23.83	peak
6	pp17896.250	18.25	43.08	54.48	45.52	52.37	74.00	-21.63	peak



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Test Mode: 27; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:Low



Condition: 3m VERTICAL

Job No : 04715WM

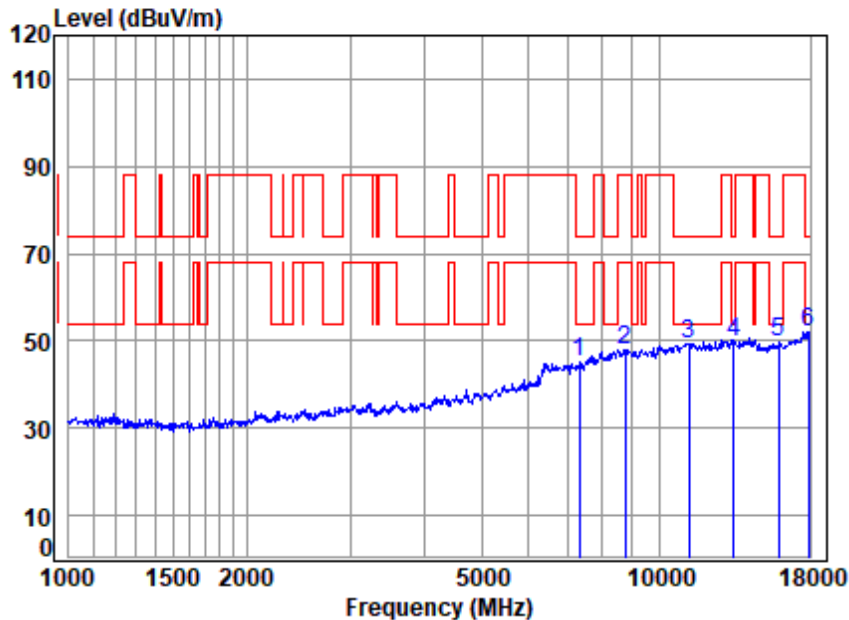
Mode : 6535 TX RSE

: 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	6395.654	13.23	34.79	56.82	55.17	46.37	88.20	-41.83	peak
2	8866.062	12.23	38.53	55.12	52.76	48.40	88.20	-39.80	peak
3	11302.480	14.63	39.70	53.59	49.42	50.16	74.00	-23.84	peak
4	13070.000	15.67	40.30	54.49	47.80	49.28	88.20	-38.92	peak
5	15850.410	17.16	38.60	54.04	48.11	49.83	74.00	-24.17	peak
6	pp17896.250	18.25	43.08	54.48	45.26	52.11	74.00	-21.89	peak



Test Mode: 27; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:middle



Condition: 3m HORIZONTAL

Job No : 04715WM

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	7326.267	11.51	36.75	56.44	53.16	44.98	74.00	-29.02	peak
2	8764.146	12.19	38.50	55.21	52.59	48.07	88.20	-40.13	peak
3	11204.900	14.75	39.60	53.56	48.71	49.50	74.00	-24.50	peak
4	13390.000	15.97	40.30	54.46	48.08	49.89	74.00	-24.11	peak
5	15896.290	17.27	38.69	54.03	47.61	49.54	74.00	-24.46	peak
6	pp17896.250	18.25	43.08	54.48	45.05	51.90	74.00	-22.10	peak



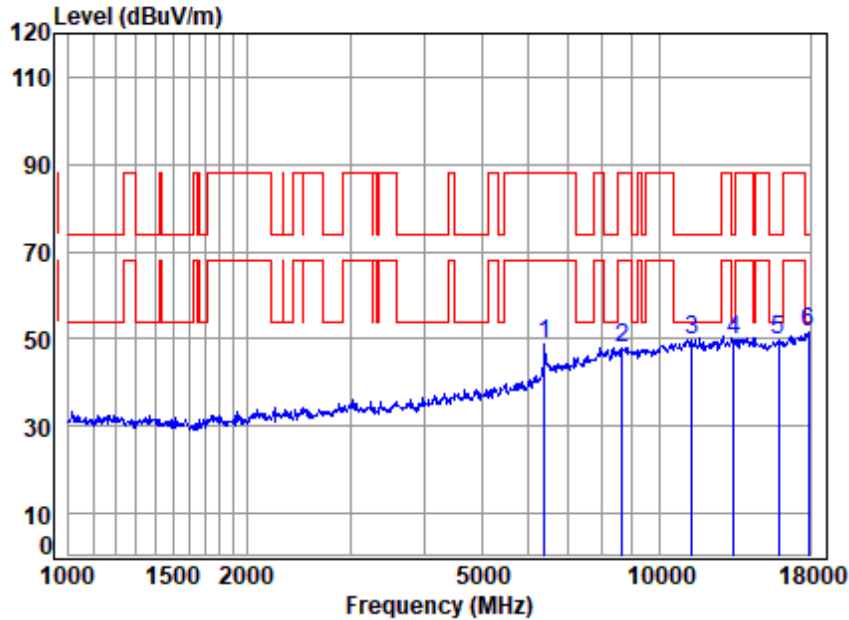
SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

SZEMC-TRF-01 Rev. A/2

Report No.: SZCR251000471507

Page: 59 of 669

Test Mode: 27; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:middle



Condition: 3m VERTICAL

Job No : 04715WM

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	57.48	48.68	88.20	-39.52	peak
2	8663.404	12.04	38.45	55.30	52.86	48.05	88.20	-40.15	peak
3	11368.000	14.35	39.70	53.61	49.32	49.76	74.00	-24.24	peak
4	13390.000	15.97	40.30	54.46	47.91	49.72	74.00	-24.28	peak
5	15896.290	17.27	38.69	54.03	47.72	49.65	74.00	-24.35	peak
6	pp17896.250	18.25	43.08	54.48	44.76	51.61	74.00	-22.39	peak



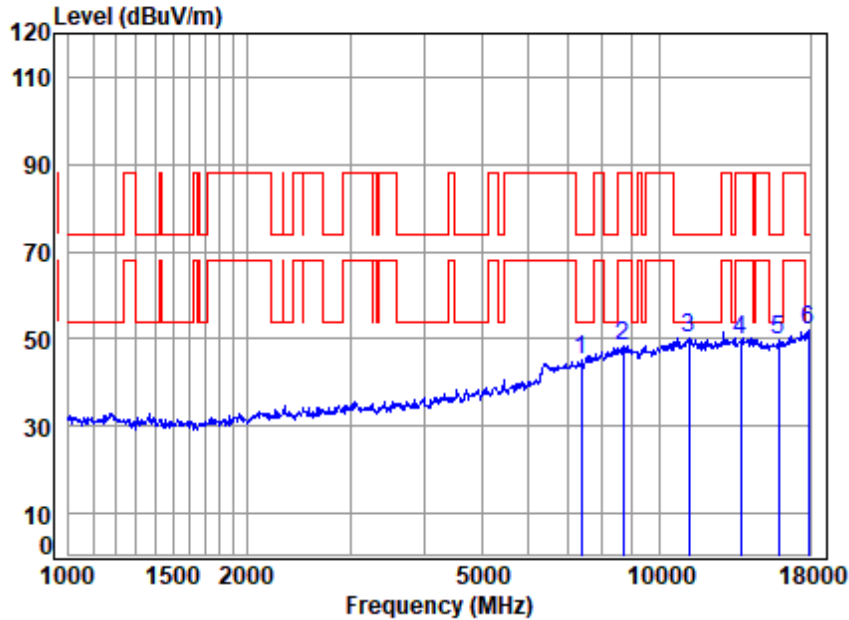
SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch (Shenzhen) Laboratory

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Test Mode: 27; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:High



Condition: 3m HORIZONTAL

Job No : 04715WM

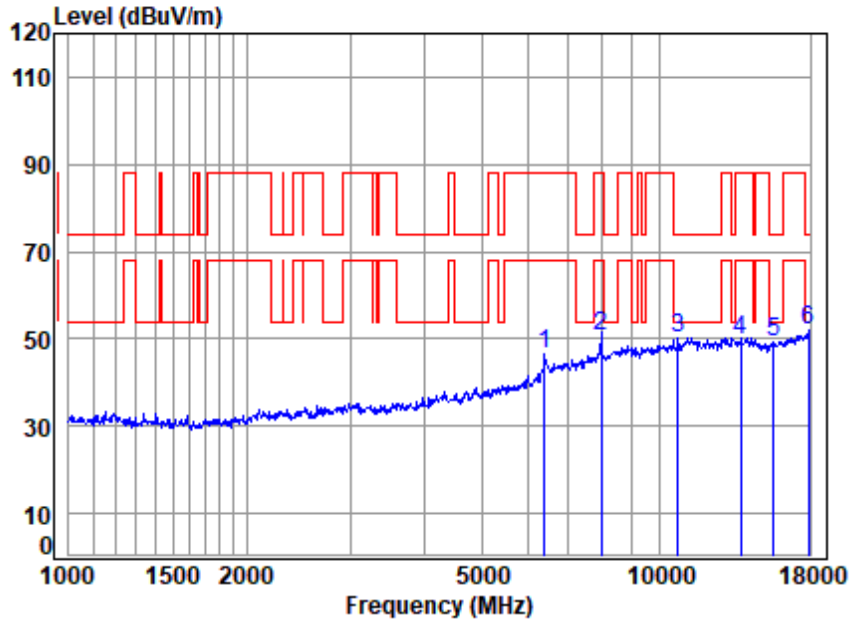
Mode : 6855 TX RSE

: 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	7390.070	11.50	36.72	56.39	53.16	44.99	74.00	-29.01	peak
2	8688.480	12.08	38.55	55.28	53.19	48.54	88.20	-39.66	peak
3	11204.900	14.75	39.60	53.56	49.34	50.13	74.00	-23.87	peak
4	13710.000	16.36	39.99	54.43	47.77	49.69	88.20	-38.51	peak
5	15896.290	17.27	38.69	54.03	47.79	49.72	74.00	-24.28	peak
6	pp17896.250	18.25	43.08	54.48	44.94	51.79	74.00	-22.21	peak



Test Mode: 27; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:High



Condition: 3m VERTICAL

Job No : 04715WM

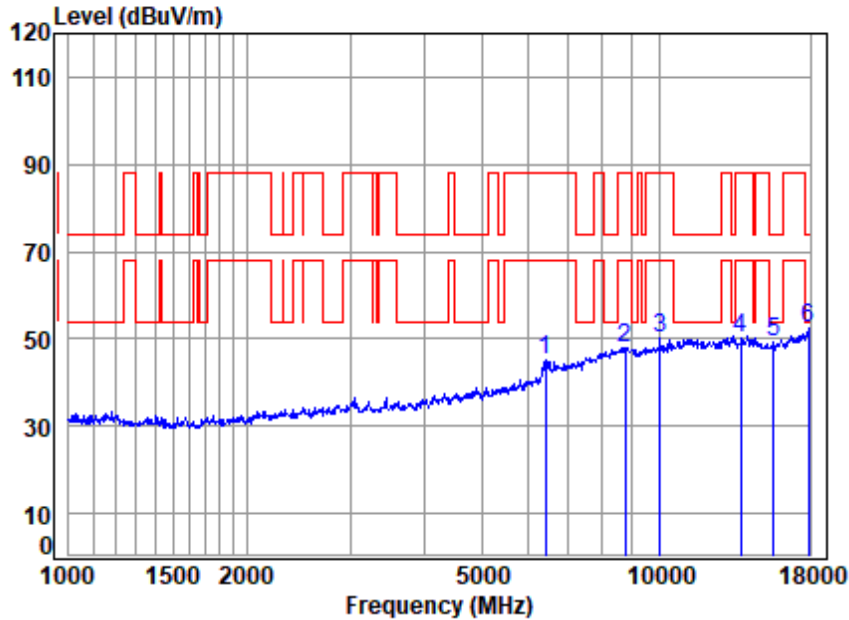
Mode : 6855 TX RSE

: 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	6395.654	13.23	34.79	56.82	55.47	46.67	88.20	-41.53	peak
2	7989.893	11.56	37.78	55.91	57.16	50.59	88.20	-37.61	peak
3	10760.540	13.82	39.34	53.64	50.52	50.04	74.00	-23.96	peak
4	13710.000	16.36	39.99	54.43	47.63	49.55	88.20	-38.65	peak
5	15622.990	17.19	38.52	54.11	47.63	49.23	74.00	-24.77	peak
6	pp17896.250	18.25	43.08	54.48	45.18	52.03	74.00	-21.97	peak



Test Mode: 28; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Condition: 3m HORIZONTAL

Job No : 04715WM

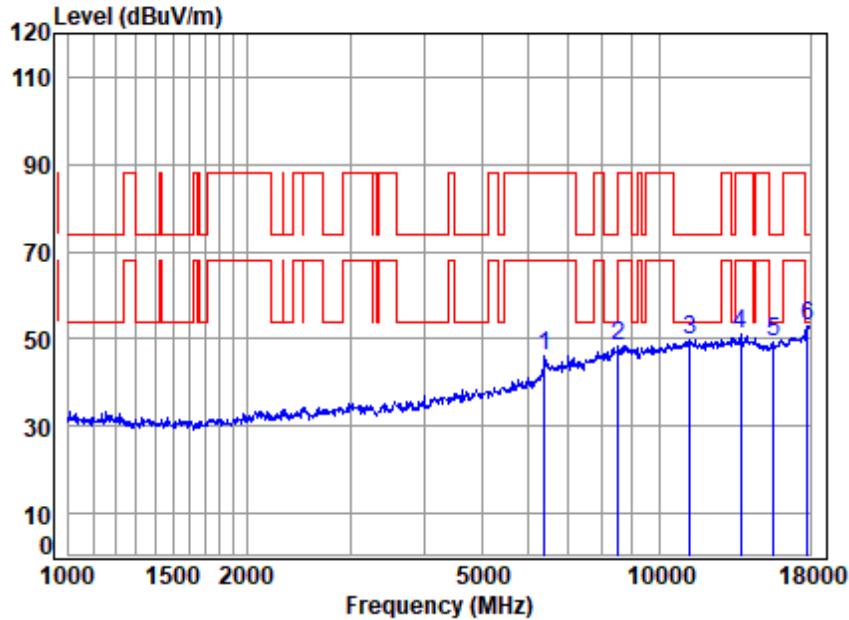
Mode : 6875 TX RSE

: 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	6414.167	13.10	34.80	56.82	54.23	45.31	88.20	-42.89	peak
2	8764.146	12.19	38.50	55.21	52.63	48.11	88.20	-40.09	peak
3	10039.390	13.11	38.98	54.08	52.17	50.18	88.20	-38.02	peak
4	13750.000	16.18	39.95	54.43	48.60	50.30	88.20	-37.90	peak
5	15622.990	17.19	38.52	54.11	47.62	49.22	74.00	-24.78	peak
6	pp17896.250	18.25	43.08	54.48	45.43	52.28	74.00	-21.72	peak



Test Mode: 28; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Condition: 3m VERTICAL

Job No : 04715WM

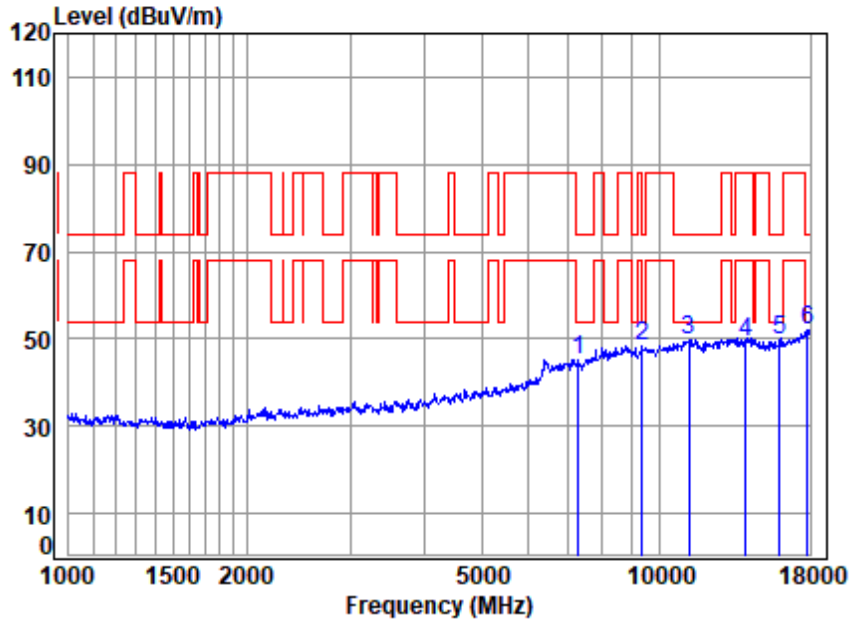
Mode : 6875 TX RSE

: 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	6395.654	13.23	34.79	56.82	54.93	46.13	88.20	-42.07	peak
2	8514.456	12.26	38.30	55.44	53.36	48.48	88.20	-39.72	peak
3	11269.860	14.68	39.67	53.58	48.79	49.56	74.00	-24.44	peak
4	13750.000	16.18	39.95	54.43	49.23	50.93	88.20	-37.27	peak
5	15622.990	17.19	38.52	54.11	47.62	49.22	74.00	-24.78	peak
6	pp17844.590	18.21	42.77	54.47	46.55	53.06	74.00	-20.94	peak



Test Mode: 28; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:middle



Condition: 3m HORIZONTAL

Job No : 04715WM

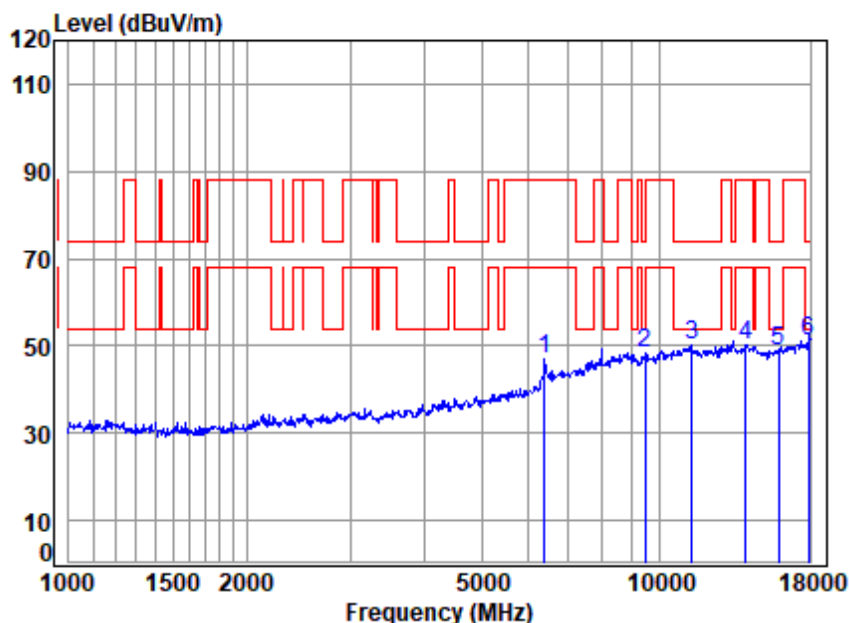
Mode : 6995 TX RSE

: 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	7284.038	11.51	36.67	56.47	53.51	45.22	74.00	-28.78	peak
2	9366.577	12.26	38.80	54.67	51.93	48.32	74.00	-25.68	peak
3	11237.330	14.72	39.64	53.57	48.96	49.75	74.00	-24.25	peak
4	13990.000	16.42	39.90	54.40	47.29	49.21	88.20	-38.99	peak
5	15988.450	17.16	38.61	54.00	47.78	49.55	74.00	-24.45	peak
6	pp17844.590	18.21	42.77	54.47	45.48	51.99	74.00	-22.01	peak



Test Mode: 28; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:middle



Condition: 3m VERTICAL

Job No : 04715WM

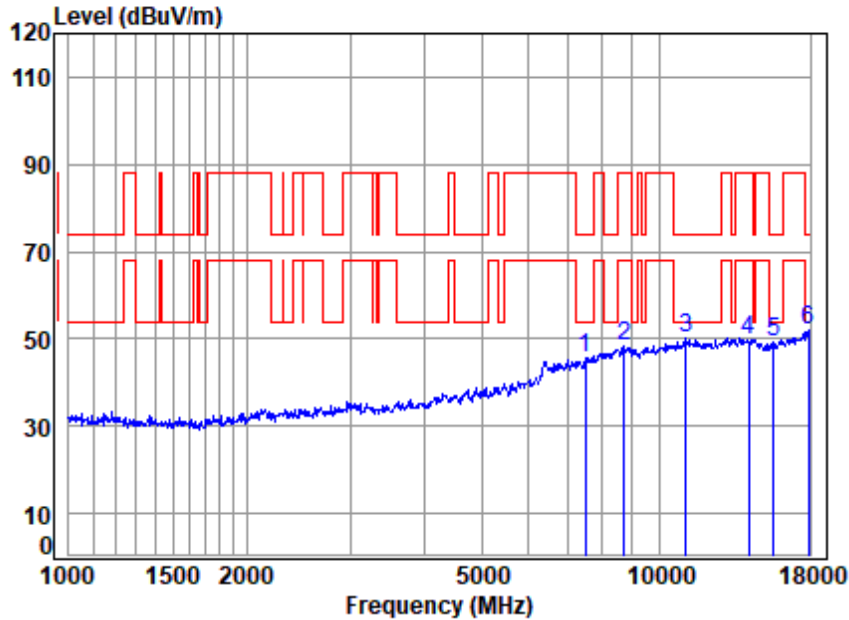
Mode : 6995 TX RSE

: 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	6395.654	13.23	34.79	56.82	55.78	46.98	88.20	-41.22	peak
2	9448.149	12.43	38.80	54.60	51.76	48.39	74.00	-25.61	peak
3	11368.000	14.35	39.70	53.61	49.60	50.04	74.00	-23.96	peak
4	13990.000	16.42	39.90	54.40	48.42	50.34	88.20	-37.86	peak
5	15896.290	17.27	38.69	54.03	47.10	49.03	74.00	-24.97	peak
6	pp17896.250	18.25	43.08	54.48	44.32	51.17	74.00	-22.83	peak



Test Mode: 28; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Condition: 3m HORIZONTAL

Job No : 04715WM

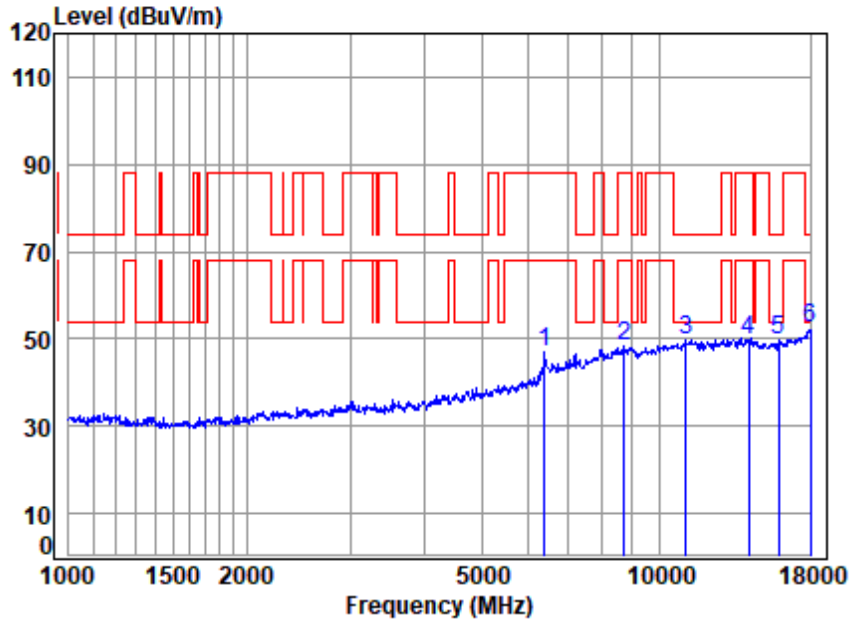
Mode : 7095 TX RSE

: 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	7497.646	11.24	36.80	56.30	53.81	45.55	74.00	-28.45	Peak
2	8713.630	12.11	38.57	55.26	53.11	48.53	88.20	-39.67	peak
3	11108.160	14.67	39.51	53.53	49.60	50.25	74.00	-23.75	peak
4	14190.000	15.99	39.81	54.38	48.29	49.71	88.20	-38.49	peak
5	15622.990	17.19	38.52	54.11	47.85	49.45	74.00	-24.55	peak
6	pp17896.250	18.25	43.08	54.48	45.35	52.20	74.00	-21.80	peak



Test Mode: 28; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Condition: 3m VERTICAL

Job No : 04715WM

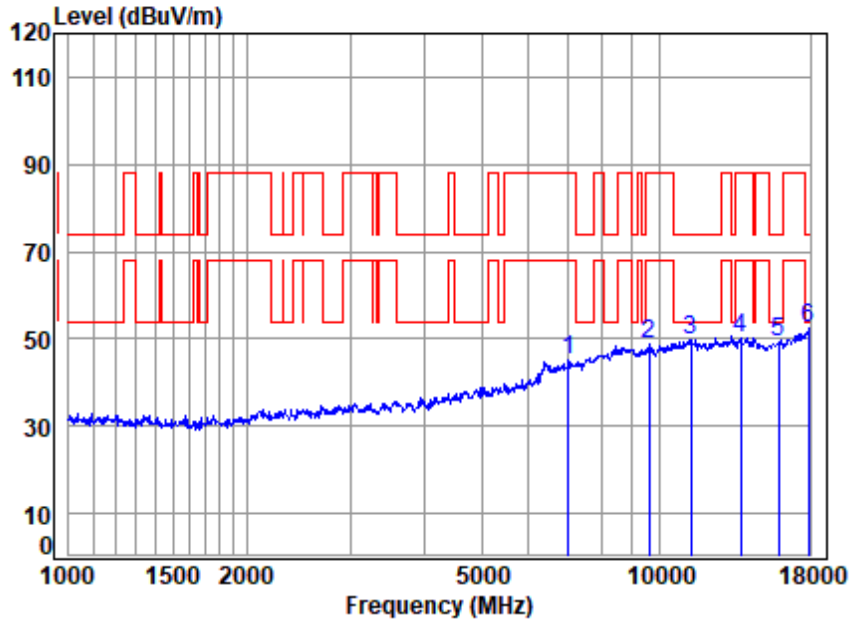
Mode : 7095 TX RSE

: Wi-Fi 6E 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	6395.654	13.23	34.79	56.82	55.67	46.87	88.20	-41.33	Peak
2	8713.630	12.11	38.57	55.26	52.88	48.30	88.20	-39.90	peak
3	11076.100	14.54	39.48	53.52	49.17	49.67	74.00	-24.33	peak
4	14190.000	15.99	39.81	54.38	48.09	49.51	88.20	-38.69	peak
5	15896.290	17.27	38.69	54.03	47.89	49.82	74.00	-24.18	peak
6	pp18000.000	18.35	43.80	54.50	44.77	52.42	74.00	-21.58	peak



Test Mode: 28; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:Low



Condition: 3m HORIZONTAL

Job No : 04715WM

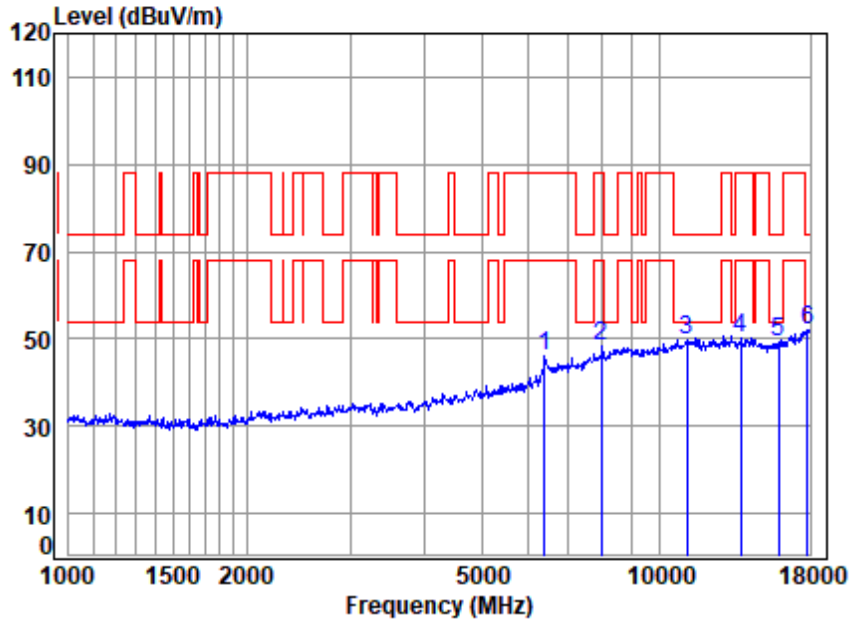
Mode : 6875 TX RSE

: 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	7015.420	11.47	36.23	56.69	54.15	45.16	88.20	-43.04	peak
2	9613.430	12.47	38.77	54.45	51.81	48.60	88.20	-39.60	peak
3	11302.480	14.63	39.70	53.59	49.06	49.80	74.00	-24.20	peak
4	13750.000	16.18	39.95	54.43	48.39	50.09	88.20	-38.11	peak
5	15942.300	17.22	38.66	54.02	47.40	49.26	74.00	-24.74	peak
6	pp17896.250	18.25	43.08	54.48	45.48	52.33	74.00	-21.67	peak



Test Mode: 28; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:Low



Condition: 3m VERTICAL

Job No : 04715WM

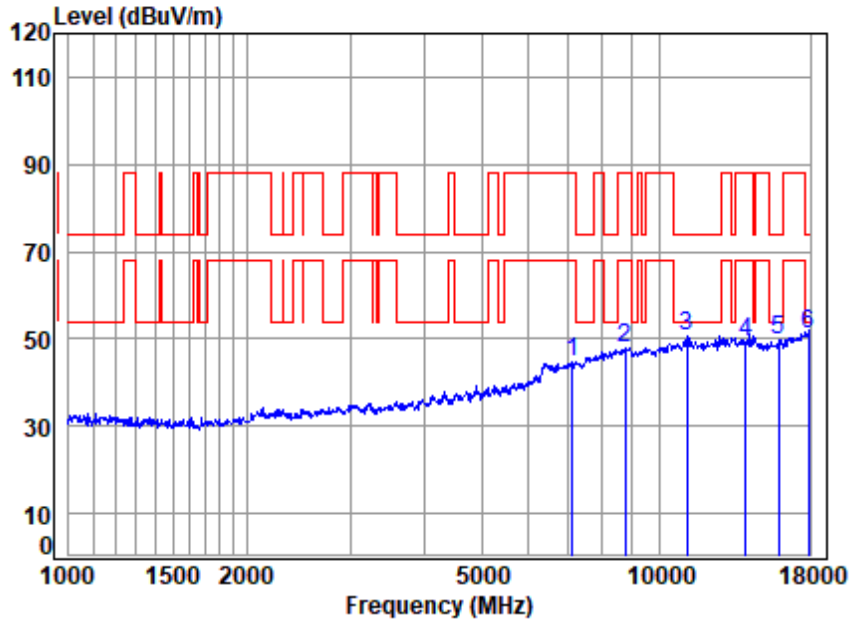
Mode : 6875 TX RSE

: 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	6395.654	13.23	34.79	56.82	54.86	46.06	88.20	-42.14	peak
2	7989.893	11.56	37.78	55.91	54.76	48.19	88.20	-40.01	peak
3	11140.310	14.70	39.54	53.54	49.17	49.87	74.00	-24.13	peak
4	13750.000	16.18	39.95	54.43	48.37	50.07	88.20	-38.13	peak
5	15896.290	17.27	38.69	54.03	47.18	49.11	74.00	-24.89	peak
6	pp17844.590	18.21	42.77	54.47	45.71	52.22	74.00	-21.78	peak



Test Mode: 28; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:middle



Condition: 3m HORIZONTAL

Job No : 04715WM

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	7117.542	11.91	36.44	56.61	53.12	44.86	88.20	-43.34	peak
2	8738.852	12.15	38.52	55.24	52.68	48.11	88.20	-40.09	peak
3	11140.310	14.70	39.54	53.54	49.79	50.49	74.00	-23.51	peak
4	13990.000	16.42	39.90	54.40	47.29	49.21	88.20	-38.99	peak
5	15942.300	17.22	38.66	54.02	48.03	49.89	74.00	-24.11	peak
6	pp17896.250	18.25	43.08	54.48	44.43	51.28	74.00	-22.72	peak



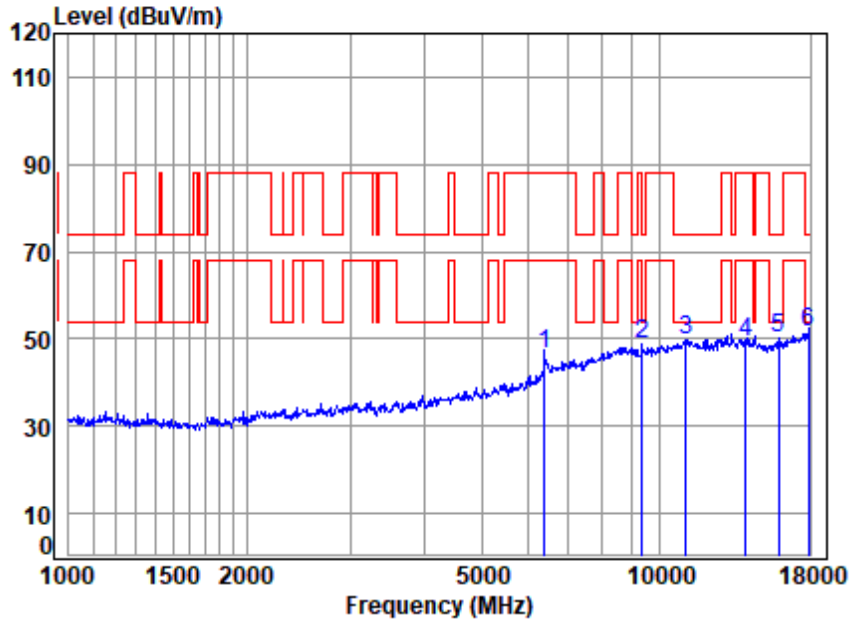
SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

SZEMC-TRF-01 Rev. A/2

Report No.: SZCR251000471507

Page: 71 of 669

Test Mode: 28; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:middle



Condition: 3m VERTICAL

Job No : 04715WM

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	6395.654	13.23	34.79	56.82	55.12	46.32	88.20	-41.88	peak
2	9366.577	12.26	38.80	54.67	52.64	49.03	74.00	-24.97	peak
3	11108.160	14.67	39.51	53.53	49.27	49.92	74.00	-24.08	peak
4	13990.000	16.42	39.90	54.40	47.13	49.05	88.20	-39.15	peak
5	15896.290	17.27	38.69	54.03	48.08	50.01	74.00	-23.99	peak
6	pp17896.250	18.25	43.08	54.48	44.55	51.40	74.00	-22.60	peak



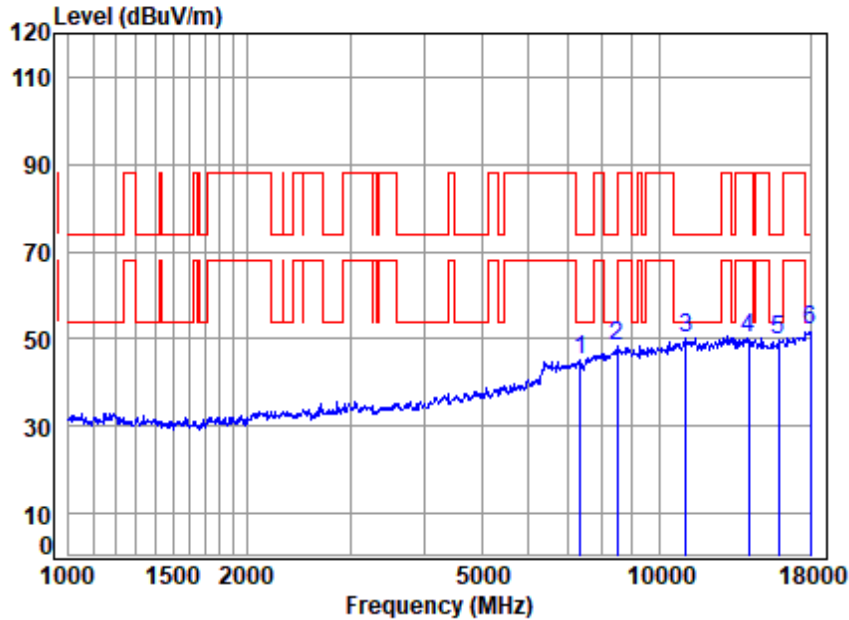
SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch Inspection & Testing Laboratory

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

Test Mode: 28; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:High



Condition: 3m HORIZONTAL

Job No : 04715WM

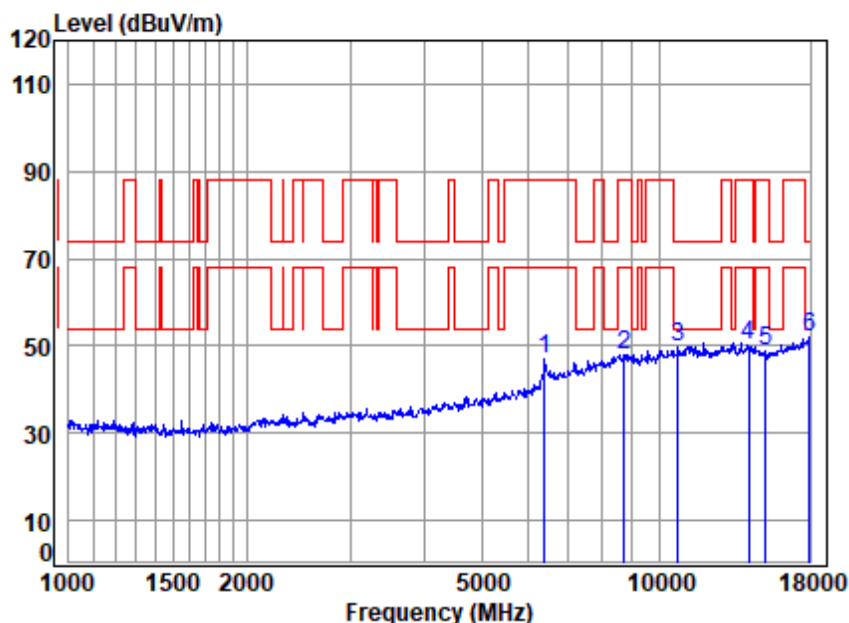
Mode : 7095 TX RSE

: 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	7347.474	11.51	36.79	56.42	53.26	45.14	74.00	-28.86	Peak
2	8489.882	12.24	38.32	55.46	53.22	48.32	74.00	-25.68	peak
3	11108.160	14.67	39.51	53.53	49.63	50.28	74.00	-23.72	peak
4	14190.000	15.99	39.81	54.38	48.55	49.97	88.20	-38.23	peak
5	15942.300	17.22	38.66	54.02	47.75	49.61	74.00	-24.39	peak
6	pp18000.000	18.35	43.80	54.50	44.56	52.21	74.00	-21.79	peak



Test Mode: 28; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:High



Condition: 3m VERTICAL

Job No : 04715WM

Mode : 7095 TX RSE

: Wi-Fi 6E 11AX20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	6395.654	13.23	34.79	56.82	55.71	46.91	88.20	-41.29	Peak
2	8713.630	12.11	38.57	55.26	52.36	47.78	88.20	-40.42	peak
3	10760.540	13.82	39.34	53.64	50.33	49.85	74.00	-24.15	peak
4	14190.000	15.99	39.81	54.38	48.79	50.21	88.20	-37.99	peak
5	15134.080	16.71	38.73	54.26	47.70	48.88	88.20	-39.32	peak
6	pp17948.050	18.30	43.44	54.49	44.98	52.23	74.00	-21.77	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
 Test Engineer: Xing Guo

7.4.1 E.U.T. Operation

Operating Environment:
 Temperature: 23.0 °C Humidity: 52.5 % RH Atmospheric Pressure: 1020 mbar

7.4.2 Test Mode Description

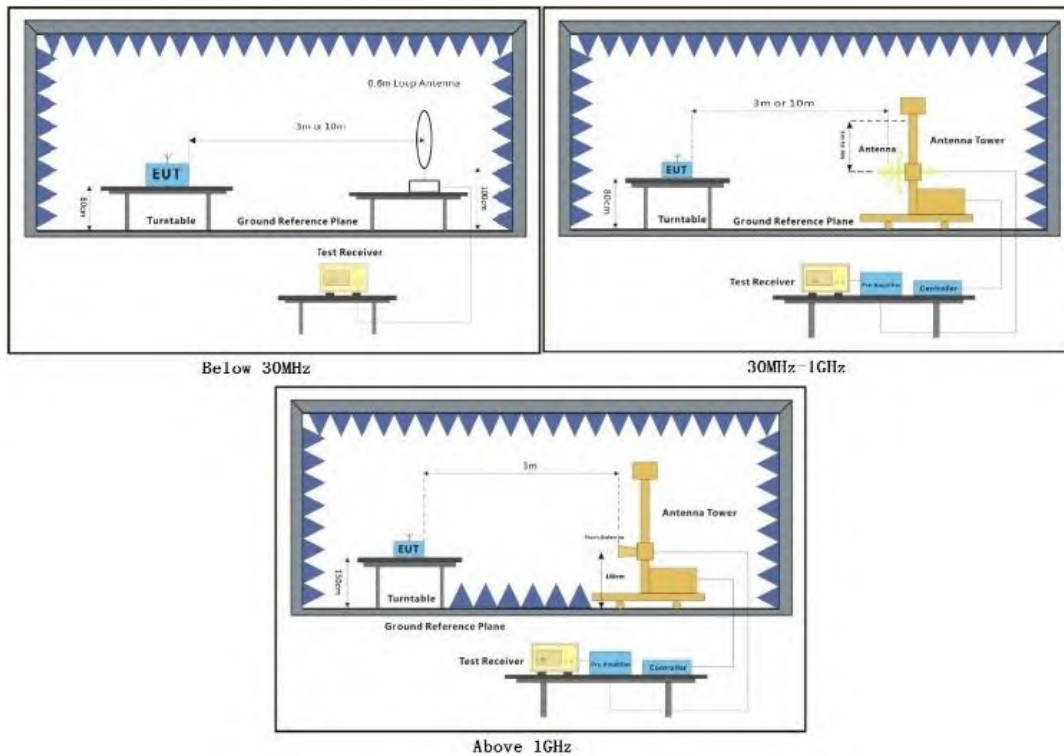
Pre-scan / Final test	Mode Code	Description
Final test	25	TX mode (U-NII-5) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ MCS0 is the worst case of IEEE 802.11 a/ ax 20/40/80, Only the data of worst case is recorded in the report.
Pre-scan	26	TX mode (U-NII-6) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ MCS0 is the worst case of IEEE 802.11 a/ ax 20/40/80, Only the data of worst case is recorded in the report.
Pre-scan	27	TX mode (U-NII-7) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ MCS0 is the worst case of IEEE 802.11 a/ ax 20/40/80, Only the data of worst case is recorded in the report.
Final test	28	TX mode (U-NII-8) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ MCS0 is the worst case of IEEE 802.11 a/ ax 20/40/80, Only the data of worst case is recorded in the report.
Pre-scan	29	Charge + TX mode (U-NII-5) _Keep the EUT in continuously transmitting mode with all modulation types and being charged. All data rates for each modulation type have been tested and found the data rate @ MCS0 is the worst case of IEEE 802.11 a/ ax 20/40/80, Only the data of worst case is recorded in the report.
Pre-scan	30	Charge + TX mode (U-NII-6) _Keep the EUT in continuously transmitting mode with all modulation types and being charged. All data rates for each modulation type have been tested and found the data rate @ MCS0 is the worst case of IEEE 802.11 a/ ax 20/40/80, Only the data of worst case is recorded in the report.
Pre-scan	31	Charge + TX mode (U-NII-7) _Keep the EUT in continuously transmitting mode with all modulation types and being charged. All data rates for each modulation type have been tested and found the data rate @ MCS0 is the worst case of IEEE 802.11 a/ ax 20/40/80, Only the data of worst case is recorded in the report.
Pre-scan	32	Charge + TX mode (U-NII-8) _Keep the EUT in continuously transmitting mode with all modulation types and being charged. All data rates for each modulation type have been tested and found the data rate @ MCS0 is the worst case of IEEE 802.11 a/ ax 20/40/80, Only the data of worst case is recorded in the report.



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7.4.3 Test Setup Diagram



7.4.4 Measurement Procedure and Data

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

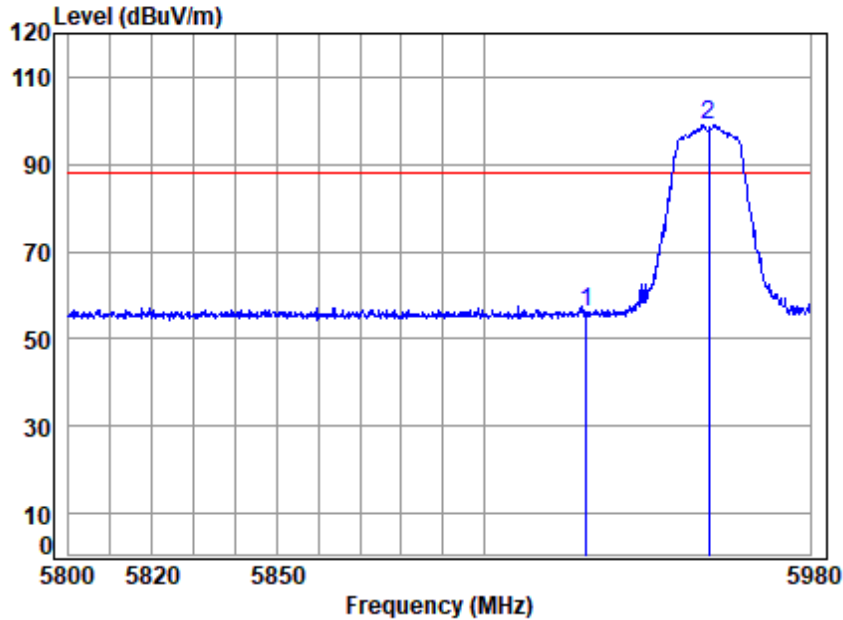
Remark 1: Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor

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

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



Test Mode: 25; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Condition: 3m HORIZONTAL

Job No : 04715WM

Mode : 5955 Band edge

: Wi-Fi 6E 11A

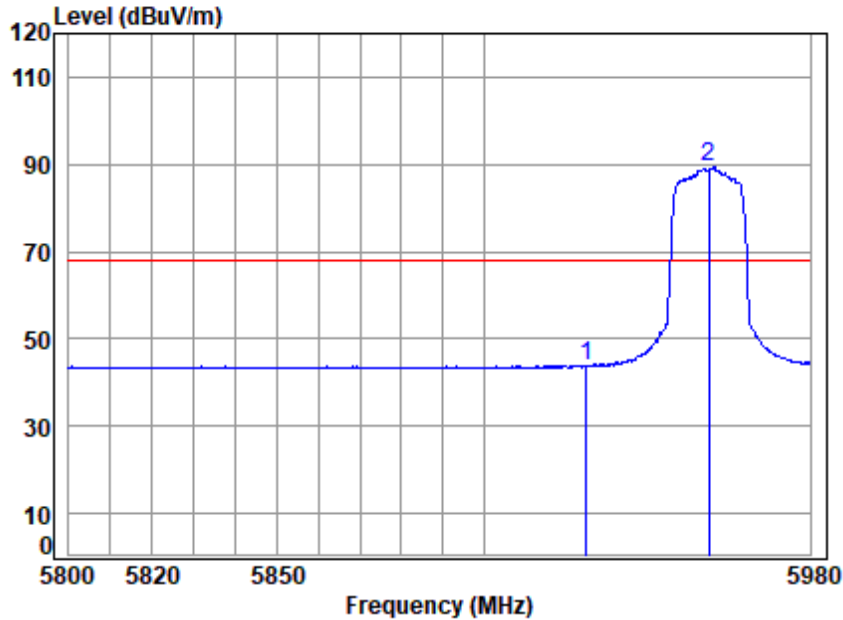
		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5925.000	10.87	33.55	30.53	42.13	56.02	88.20	-32.18	peak
2	5955.000	10.85	33.62	30.52	85.05	99.00	88.20	10.80	peak



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Test Mode: 25; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Condition: 3m HORIZONTAL

Job No : 04715WM

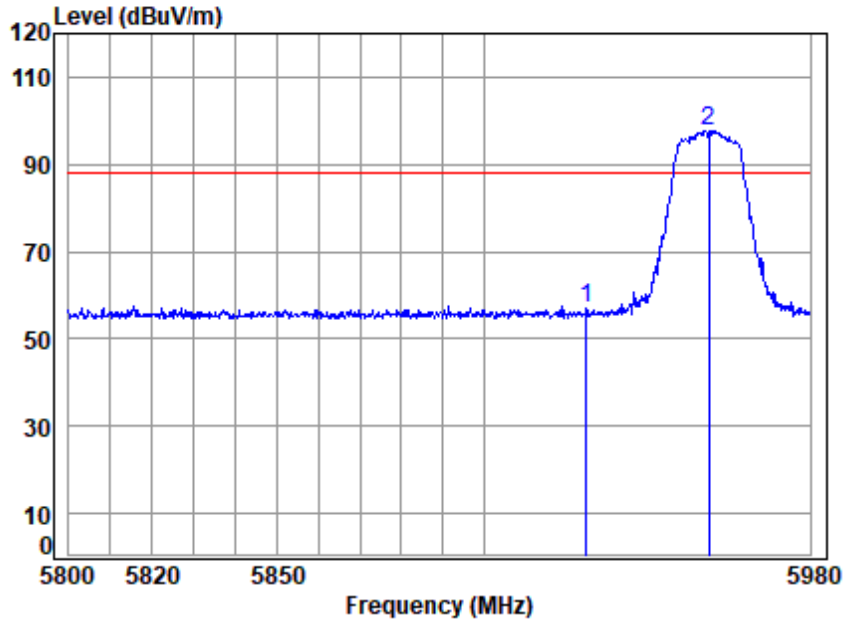
Mode : 5955 Band edge

: 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	29.71	43.60	68.20	-24.60	Average
2 pp	5955.000	10.85	33.62	30.52	75.68	89.63	68.20	21.43	Average



Test Mode: 25; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Condition: 3m VERTICAL

Job No : 04715WM

Mode : 5955 Band edge

: Wi-Fi 6E 11A

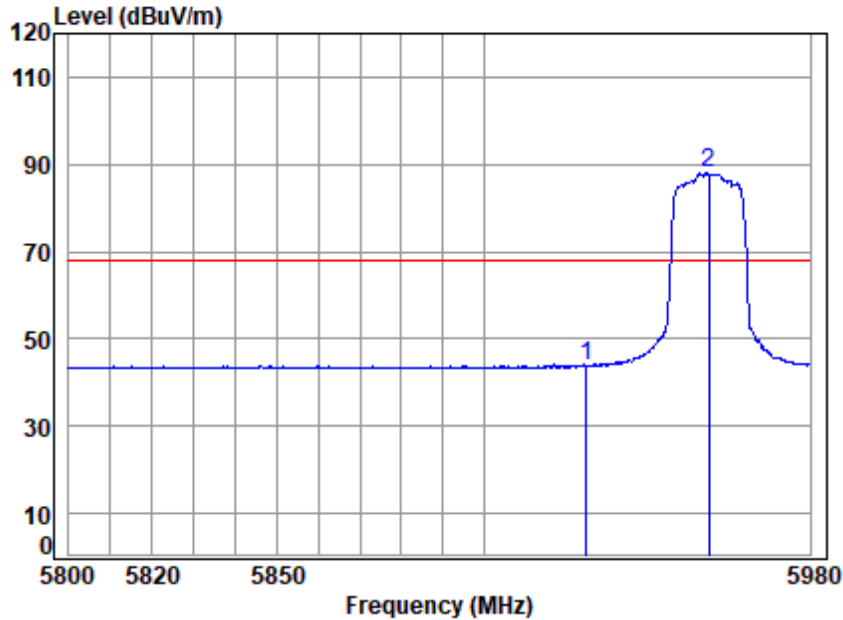
		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5925.000	10.87	33.55	30.53	43.08	56.97	88.20	-31.23	peak
2	5955.000	10.85	33.62	30.52	83.92	97.87	88.20	9.67	peak



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Test Mode: 25; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Condition: 3m VERTICAL

Job No : 04715WM

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	29.86	43.75	68.20	-24.45	Average
2	5955.000	10.85	33.62	30.52	74.13	88.08	68.20	19.88	Average



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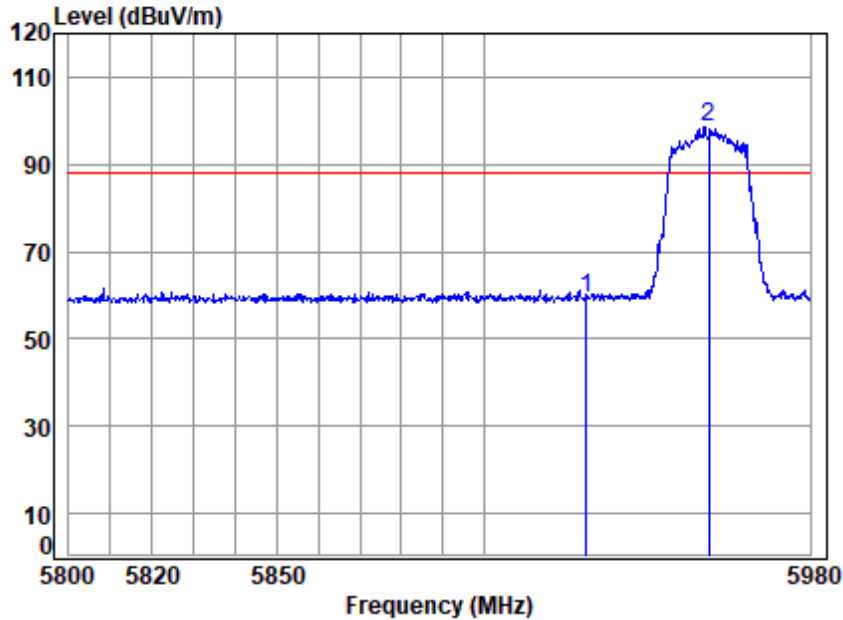
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Report No.: SZCR251000471507

Page: 81 of 669

Test Mode: 25; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:Low



Condition: 3m HORIZONTAL

Job No : 04715WM

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	45.57	59.46	88.20	-28.74	peak
2	5955.000	10.85	33.62	30.52	84.78	98.73	88.20	10.53	peak



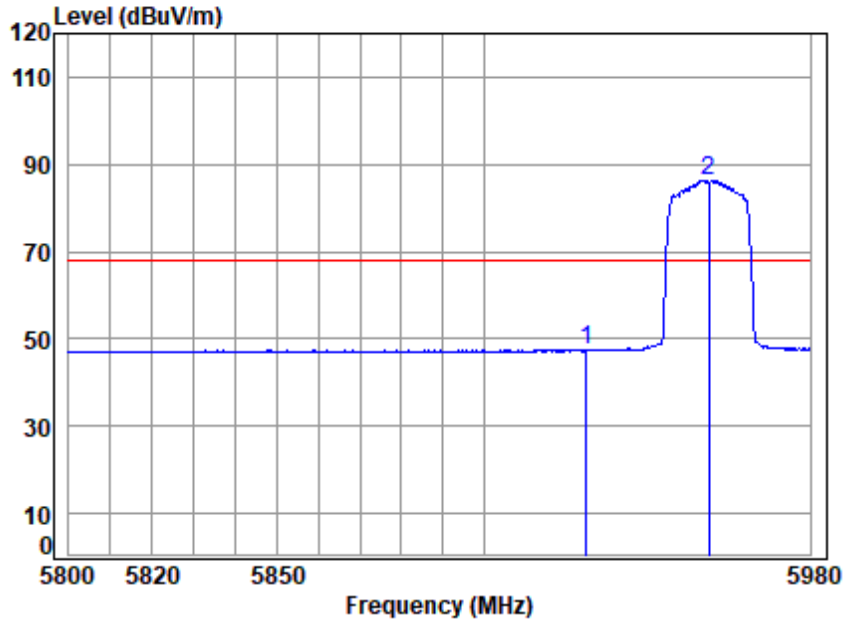
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Test Mode: 25; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:Low



Condition: 3m HORIZONTAL

Job No : 04715WM

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	33.42	47.31	68.20	-20.89	Average
2	pp 5955.000	10.85	33.62	30.52	72.45	86.40	68.20	18.20	Average



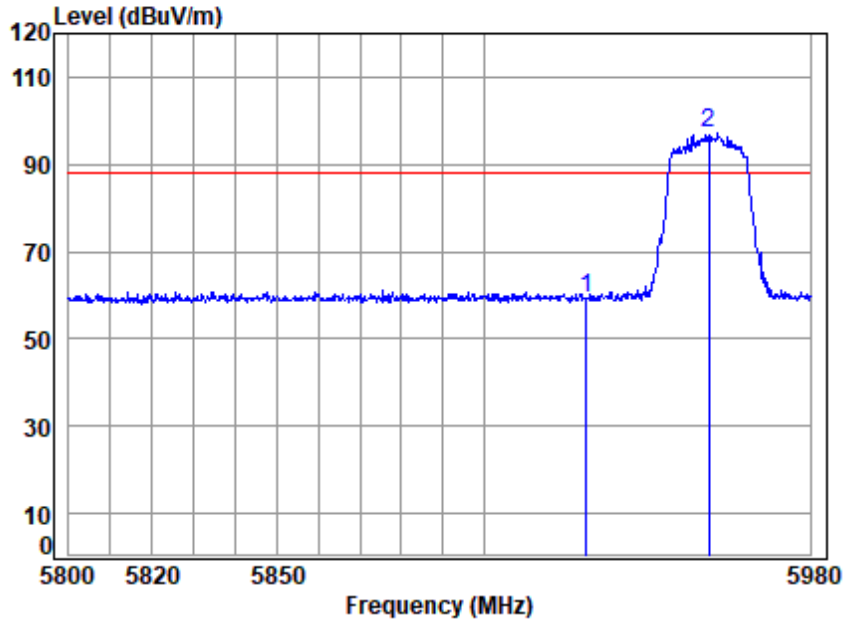
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SZEMC-TRF-01 Rev. A/2

Report No.: SZCR251000471507

Page: 83 of 669

Test Mode: 25; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:Low



Condition: 3m VERTICAL

Job No : 04715WM

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	45.39	59.28	88.20	-28.92	peak
2	5955.000	10.85	33.62	30.52	83.10	97.05	88.20	8.85	peak



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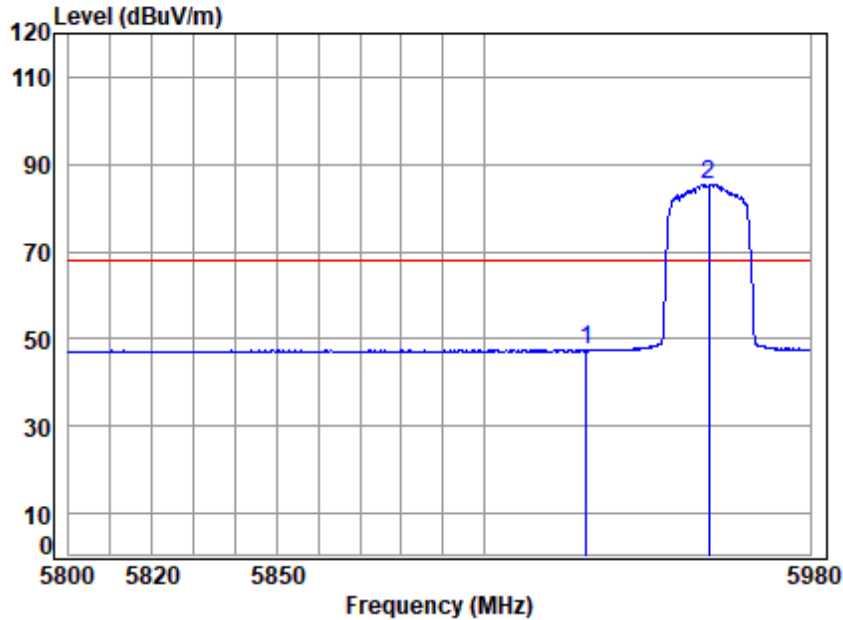
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SZEMC-TRF-01 Rev. A/2

Report No.: SZCR251000471507

Page: 84 of 669

Test Mode: 25; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:Low



Condition: 3m VERTICAL

Job No : 04715WM

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	33.41	47.30	68.20	-20.90	Average
2	5955.000	10.85	33.62	30.52	71.57	85.52	68.20	17.32	Average



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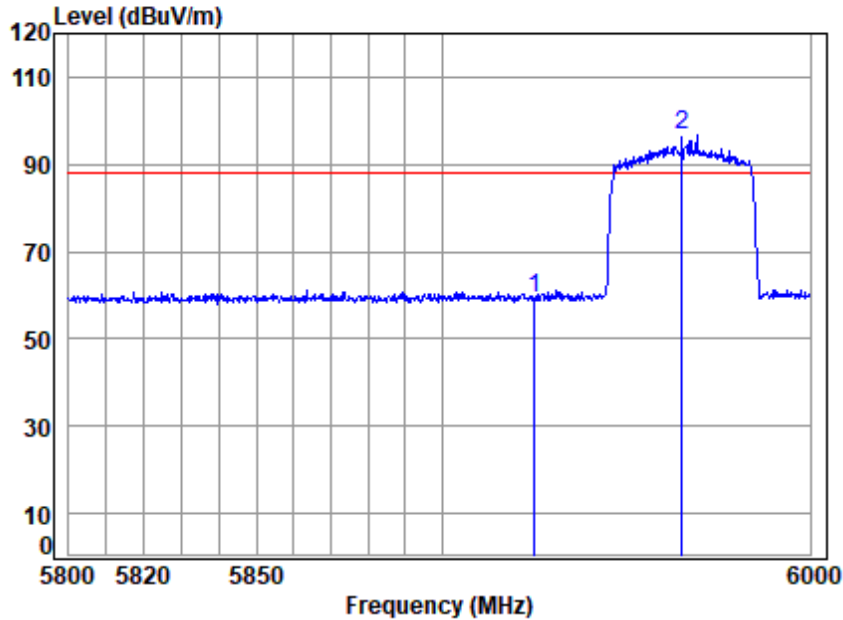
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SZEMC-TRF-01 Rev. A/2

Report No.: SZCR251000471507

Page: 85 of 669

Test Mode: 25; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:Low



Condition: 3m HORIZONTAL

Job No : 04715WM

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	45.24	59.13	88.20	-29.07	peak
2	5965.000	10.84	33.66	30.51	82.72	96.71	88.20	8.51	peak



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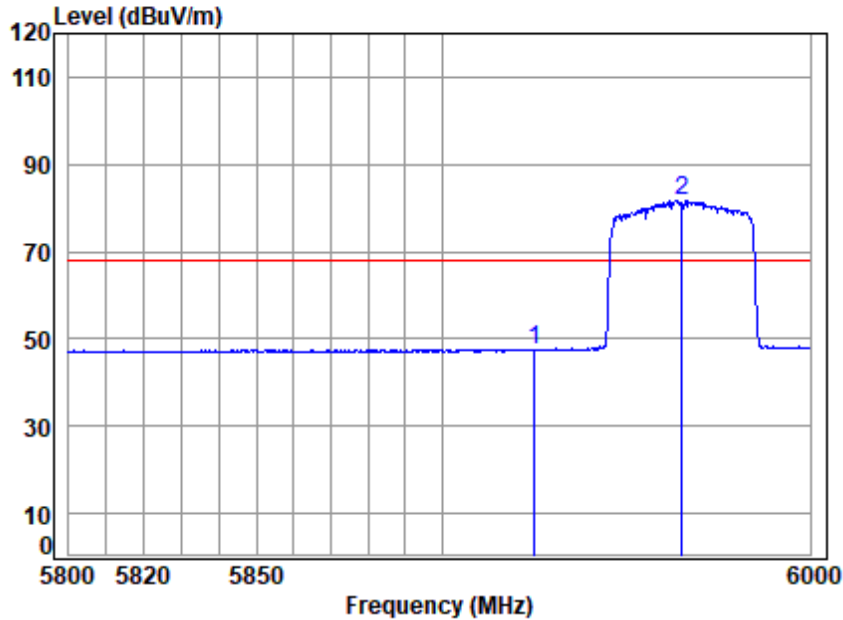
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SZEMC-TRF-01 Rev. A/2

Report No.: SZCR251000471507

Page: 86 of 669

Test Mode: 25; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:Low



Condition: 3m HORIZONTAL

Job No : 04715WM

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	33.42	47.31	68.20	-20.89	Average
2	pp 5965.000	10.84	33.66	30.51	67.77	81.76	68.20	13.56	Average



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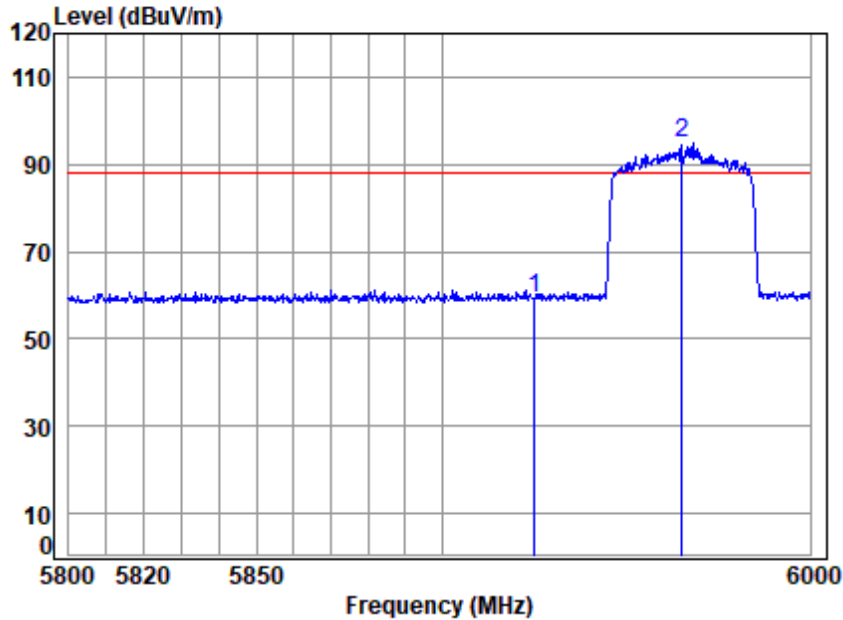
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Report No.: SZCR251000471507

Page: 87 of 669

Test Mode: 25; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:Low



Condition: 3m VERTICAL

Job No : 04715WM

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	45.62	59.51	88.20	-28.69	peak
2	5965.000	10.84	33.66	30.51	80.93	94.92	88.20	6.72	peak



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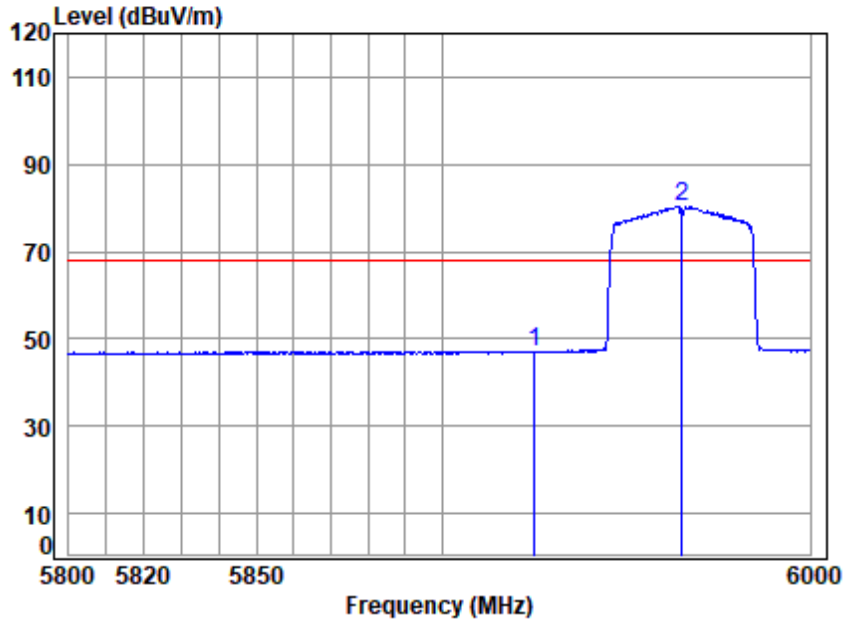
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Report No.: SZCR251000471507

Page: 88 of 669

Test Mode: 25; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:Low



Condition: 3m VERTICAL

Job No : 04715WM

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	33.21	47.10	68.20	-21.10 Average
2	5965.000	10.84	33.66	30.51	66.51	80.50	68.20	12.30 Average



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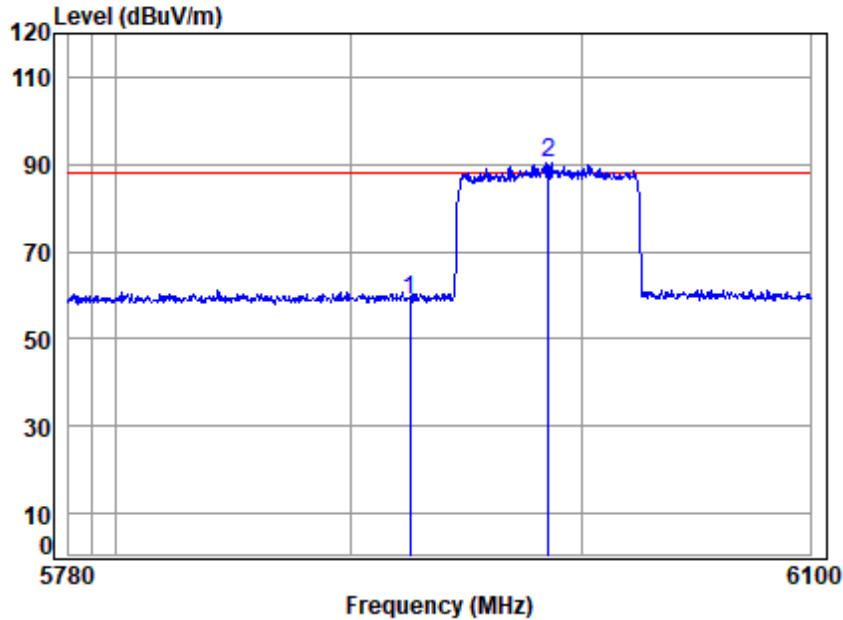
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Report No.: SZCR251000471507

Page: 89 of 669

Test Mode: 25; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:80MHz; Channel:middle



Condition: 3m HORIZONTAL

Job No : 04715WM

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	44.79	58.68	88.20	-29.52 peak
2	5985.000	10.82	33.74	30.51	76.12	90.17	88.20	1.97 peak



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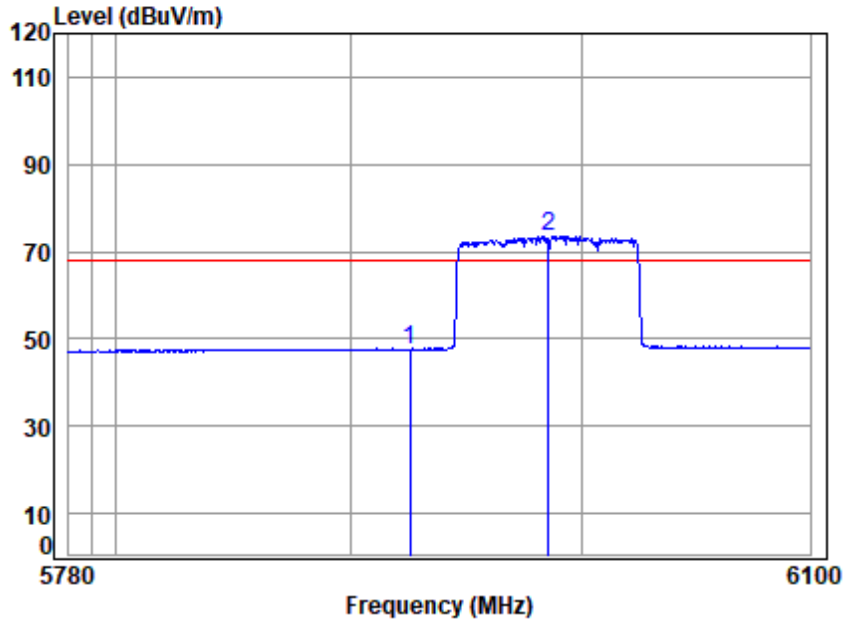
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Report No.: SZCR251000471507

Page: 90 of 669

Test Mode: 25; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:80MHz; Channel:middle



Condition: 3m HORIZONTAL

Job No : 04715WM

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	33.71	47.60	68.20	-20.60 Average
2	pp 5985.000	10.82	33.74	30.51	59.61	73.66	68.20	5.46 Average



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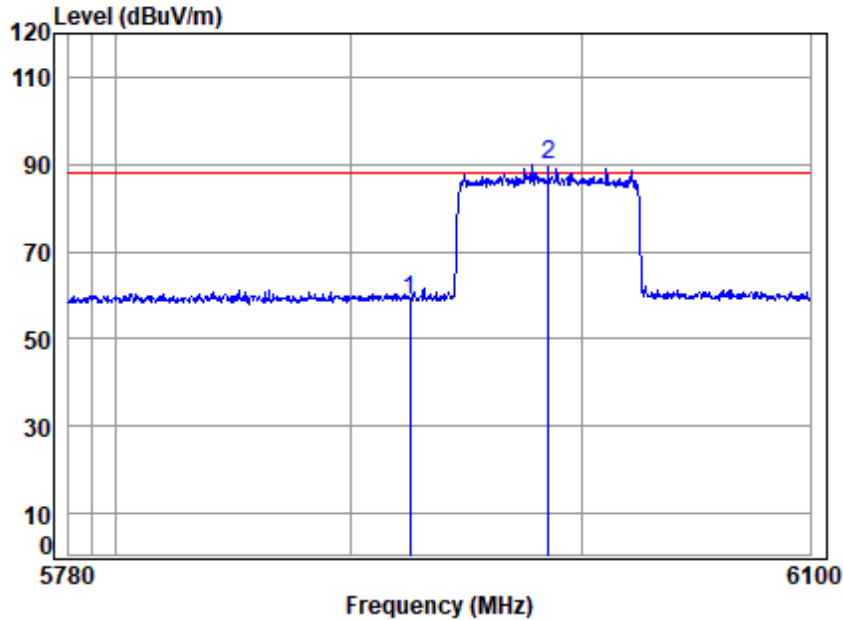
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SZEMC-TRF-01 Rev. A/2

Report No.: SZCR251000471507

Page: 91 of 669

Test Mode: 25; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:80MHz; Channel:middle



Condition: 3m VERTICAL

Job No : 04715WM

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	44.85	58.74	88.20	-29.46 peak
2	5985.000	10.82	33.74	30.51	75.88	89.93	88.20	1.73 peak



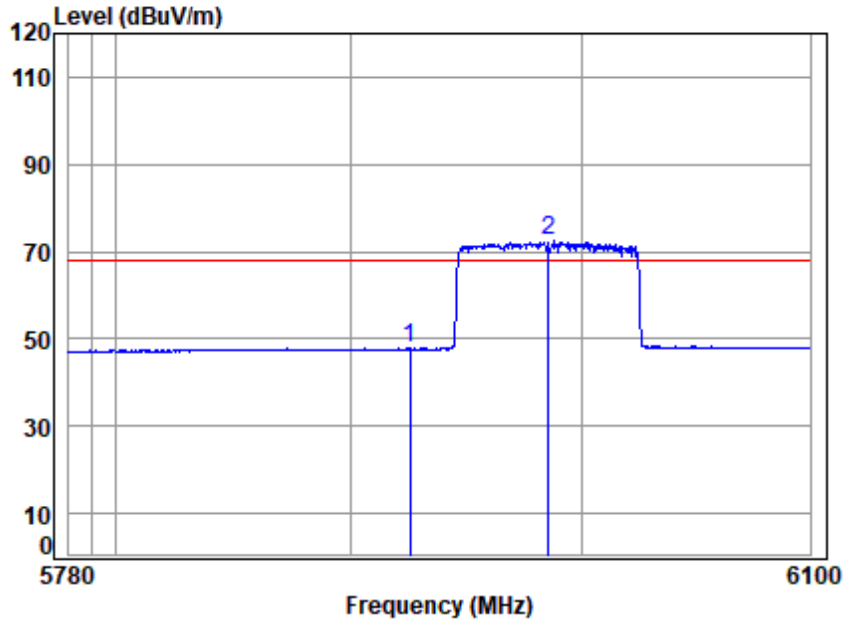
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Test Mode: 25; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:80MHz; Channel:middle



Condition: 3m VERTICAL

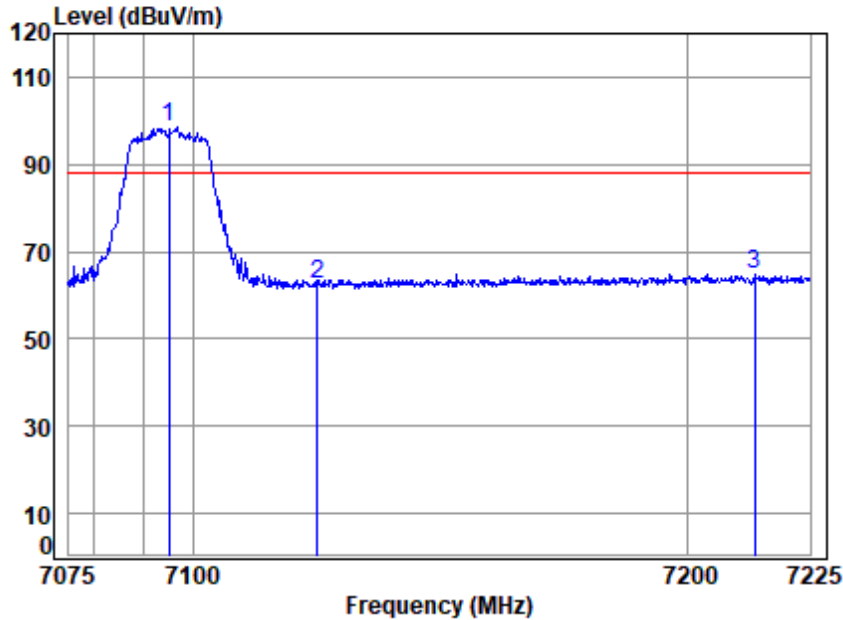
Job No : 04715WM

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	33.80	47.69	68.20	-20.51 Average
2	pp 5985.000	10.82	33.74	30.51	58.28	72.33	68.20	4.13 Average



Test Mode: 28; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Condition: 3m HORIZONTAL

Job No : 04715WM

Mode : 7095 Band edge

: Wi-Fi 6E 11A

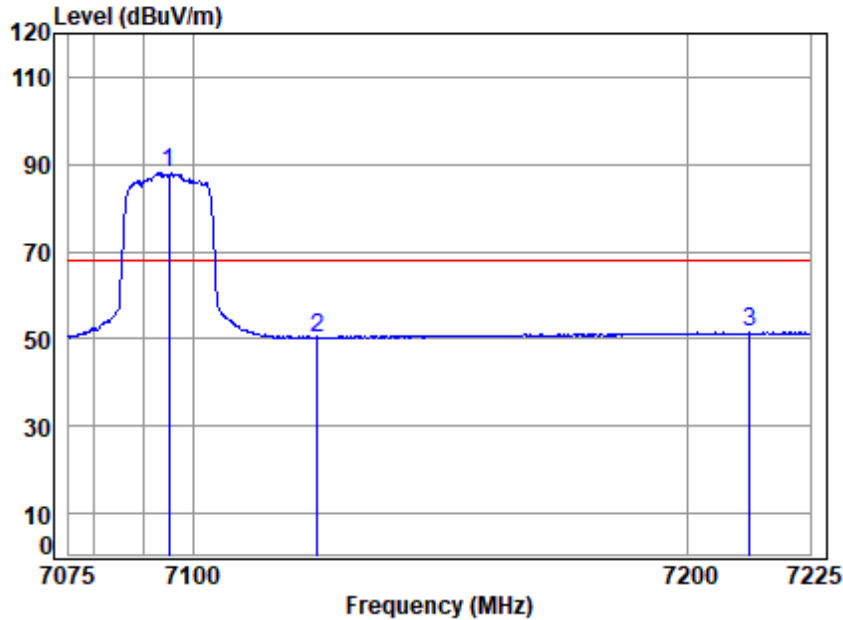
		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	7095.000	11.79	36.39	31.25	81.54	98.47	88.20	10.27	peak
2	7125.000	11.82	36.45	31.26	45.51	62.52	88.20	-25.68	peak
3	7213.641	11.89	36.60	31.31	47.67	64.85	88.20	-23.35	peak



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Test Mode: 28; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Condition: 3m HORIZONTAL

Job No : 04715WM

Mode : 7095 Band edge

: Wi-Fi 6E 11A

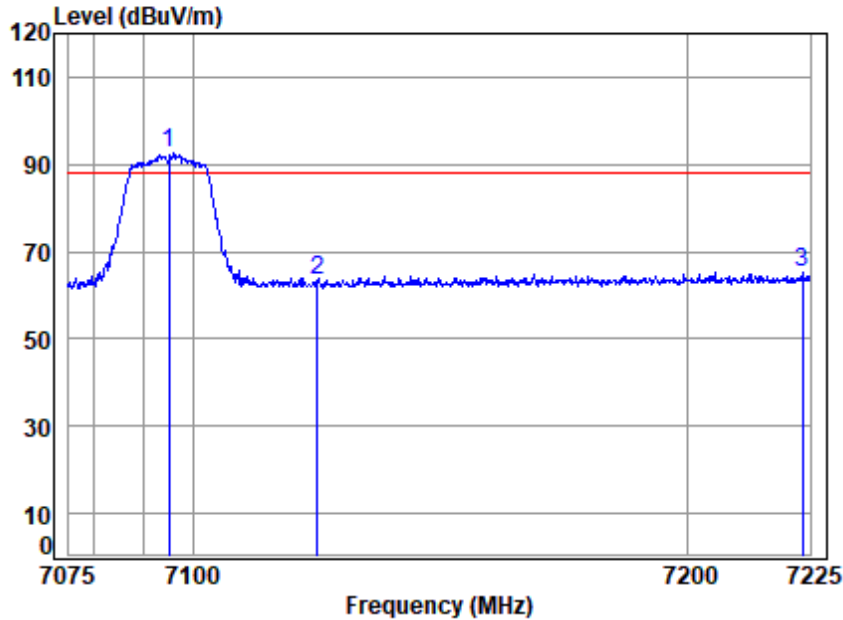
		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	7095.000	11.79	36.39	31.25	71.03	87.96	68.20	19.76	Average
2	7125.000	11.82	36.45	31.26	33.24	50.25	68.20	-17.95	Average
3	7212.581	11.89	36.60	31.31	34.32	51.50	68.20	-16.70	Average



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Test Mode: 28; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Condition: 3m VERTICAL

Job No : 04715WM

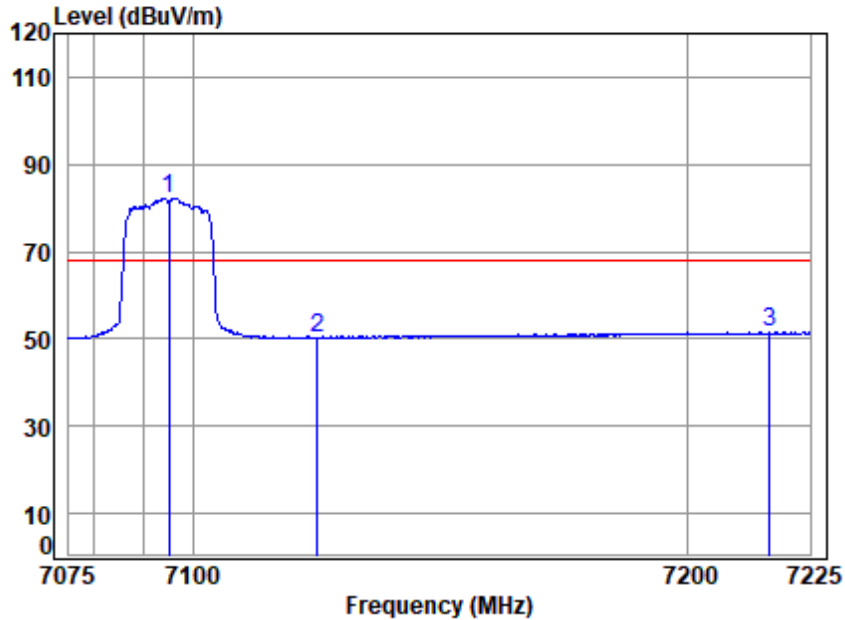
Mode : 7095 Band edge

: 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	75.59	92.52	88.20	4.32	peak
2	7125.000	11.82	36.45	31.26	46.25	63.26	88.20	-24.94	peak
3	7223.484	11.89	36.60	31.31	48.17	65.35	88.20	-22.85	peak



Test Mode: 28; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Condition: 3m VERTICAL

Job No : 04715WM

Mode : 7095 Band edge

: Wi-Fi 6E 11A

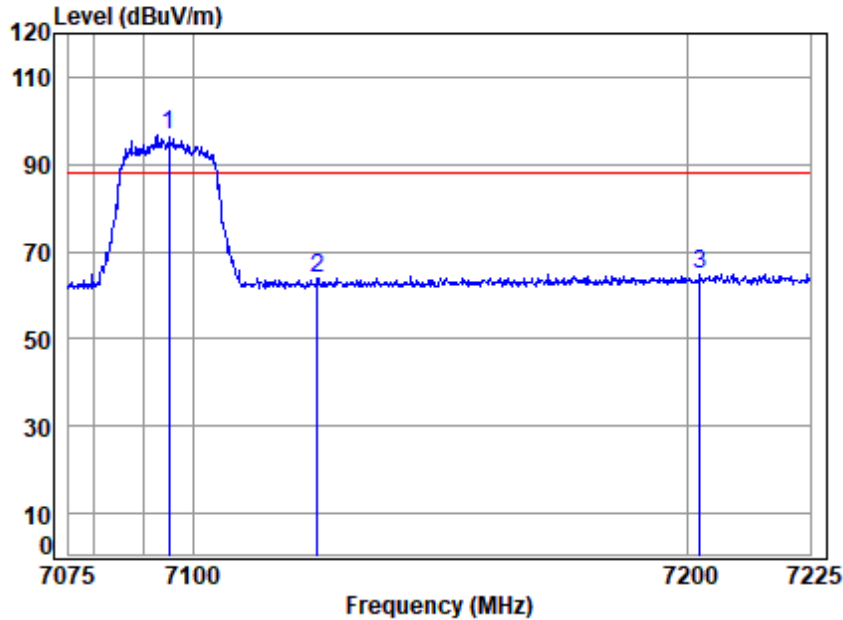
		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	7095.000	11.79	36.39	31.25	65.38	82.31	68.20	14.11	Average
2	7125.000	11.82	36.45	31.26	33.27	50.28	68.20	-17.92	Average
3	7216.819	11.89	36.60	31.31	34.41	51.59	68.20	-16.61	Average



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Test Mode: 28; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:High



Condition: 3m HORIZONTAL

Job No : 04715WM

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	79.93	96.86	88.20	8.66	peak
2	7125.000	11.82	36.45	31.26	46.66	63.67	88.20	-24.53	peak
3	7202.450	11.89	36.60	31.30	47.72	64.91	88.20	-23.29	peak



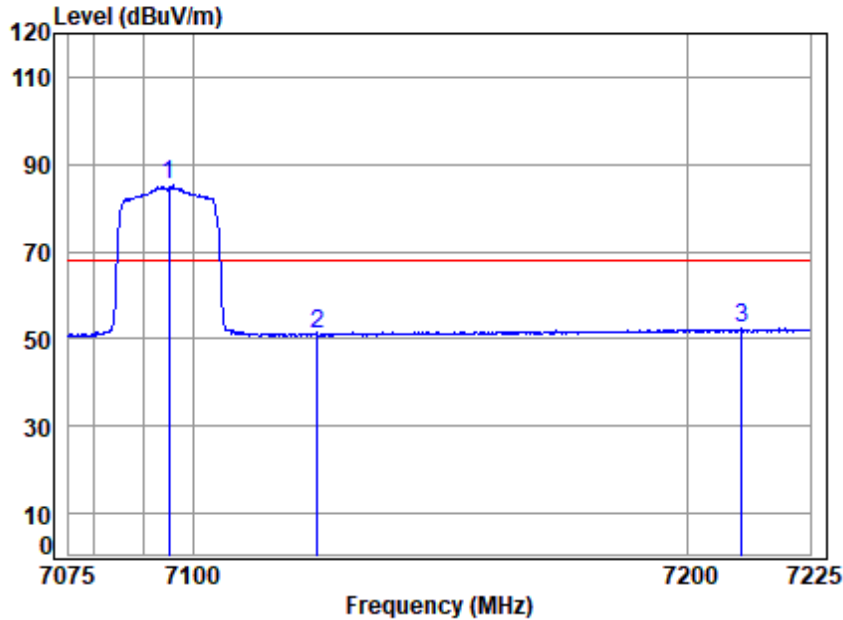
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SZEMC-TRF-01 Rev. A/2

Report No.: SZCR251000471507

Page: 98 of 669

Test Mode: 28; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:High



Condition: 3m HORIZONTAL

Job No : 04715WM

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	68.29	85.22	68.20	17.02	Average
2	7125.000	11.82	36.45	31.26	33.91	50.92	68.20	-17.28	Average
3	7211.068	11.89	36.60	31.31	35.38	52.56	68.20	-15.64	Average



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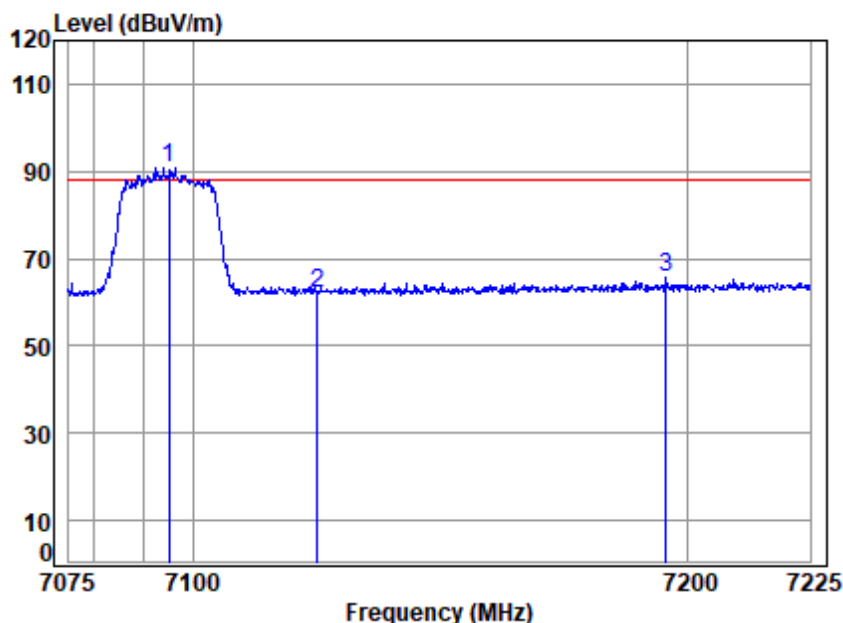
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SZEMC-TRF-01 Rev. A/2

Report No.: SZCR251000471507

Page: 99 of 669

Test Mode: 28; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:High



Condition: 3m VERTICAL

Job No : 04715WM

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	73.77	90.70	88.20	2.50	peak
2	7125.000	11.82	36.45	31.26	44.97	61.98	88.20	-26.22	peak
3	7195.653	11.89	36.59	31.30	48.48	65.66	88.20	-22.54	peak



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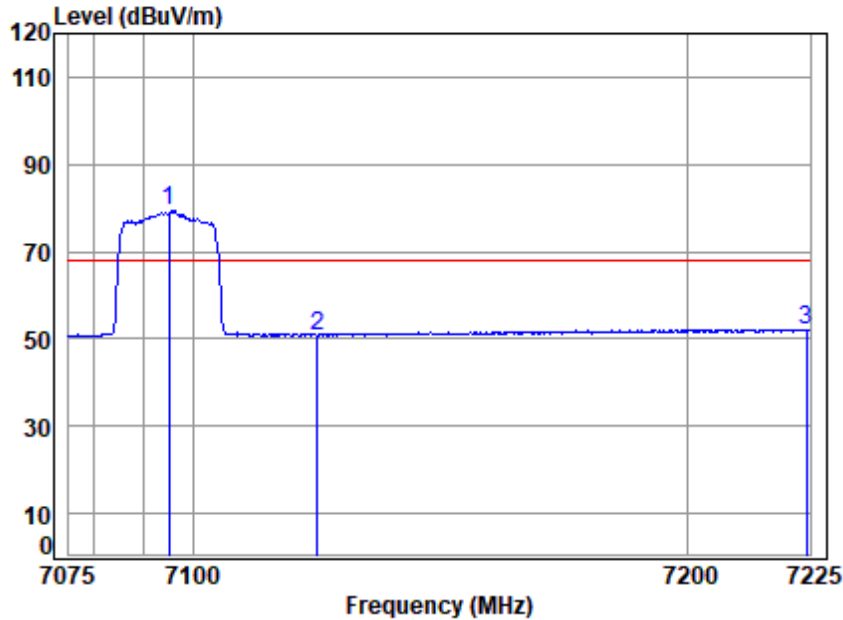
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SZEMC-TRF-01 Rev. A/2

Report No.: SZCR251000471507

Page: 100 of 669

Test Mode: 28; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:High



Condition: 3m VERTICAL

Job No : 04715WM

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	62.38	79.31	68.20	11.11 Average
2	7125.000	11.82	36.45	31.26	33.83	50.84	68.20	-17.36 Average
3	7224.242	11.89	36.60	31.31	35.04	52.22	68.20	-15.98 Average



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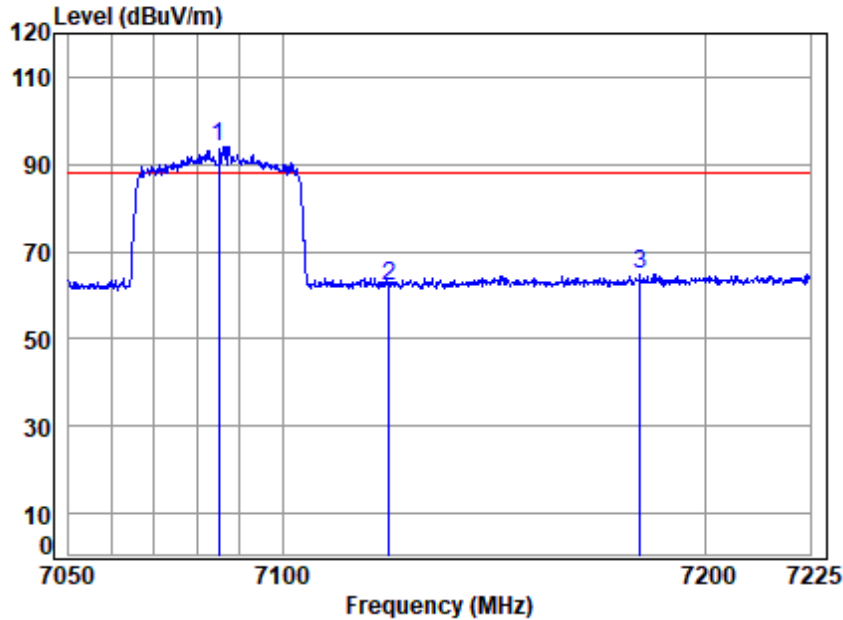
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Report No.: SZCR251000471507

Page: 101 of 669

Test Mode: 28; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:High



Condition: 3m HORIZONTAL

Job No : 04715WM

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	76.97	93.87	88.20	5.67	peak
2	7125.000	11.82	36.45	31.26	45.20	62.21	88.20	-25.99	peak
3	7184.545	11.88	36.57	31.29	47.71	64.87	88.20	-23.33	peak



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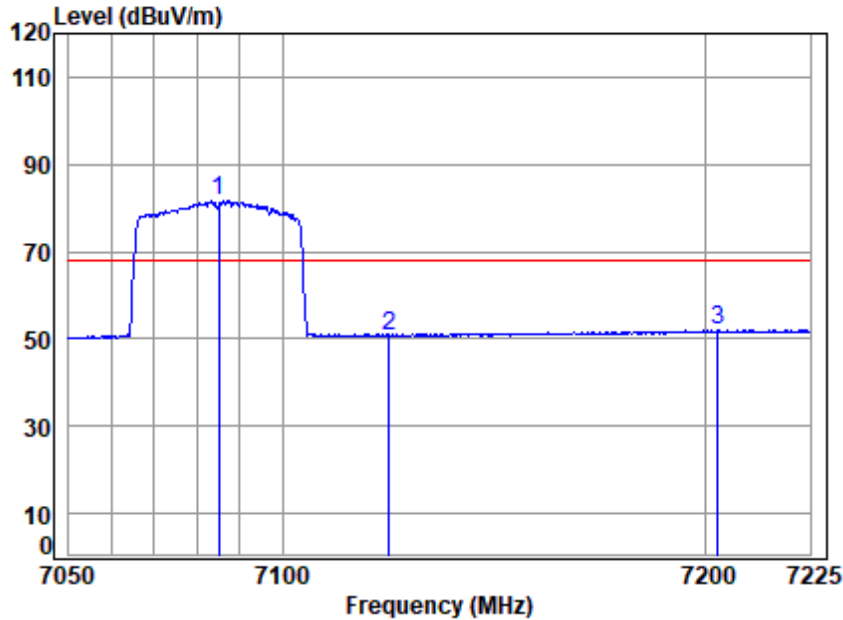
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Report No.: SZCR251000471507

Page: 102 of 669

Test Mode: 28; Polarity: Horizontal; Modulation: 802.11ax(Full RU0); Bandwidth: 40MHz; Channel: High



Condition: 3m HORIZONTAL

Job No : 04715WM

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	64.87	81.77	68.20	13.57	Average
2	7125.000	11.82	36.45	31.26	33.81	50.82	68.20	-17.38	Average
3	7202.890	11.89	36.60	31.30	34.86	52.05	68.20	-16.15	Average



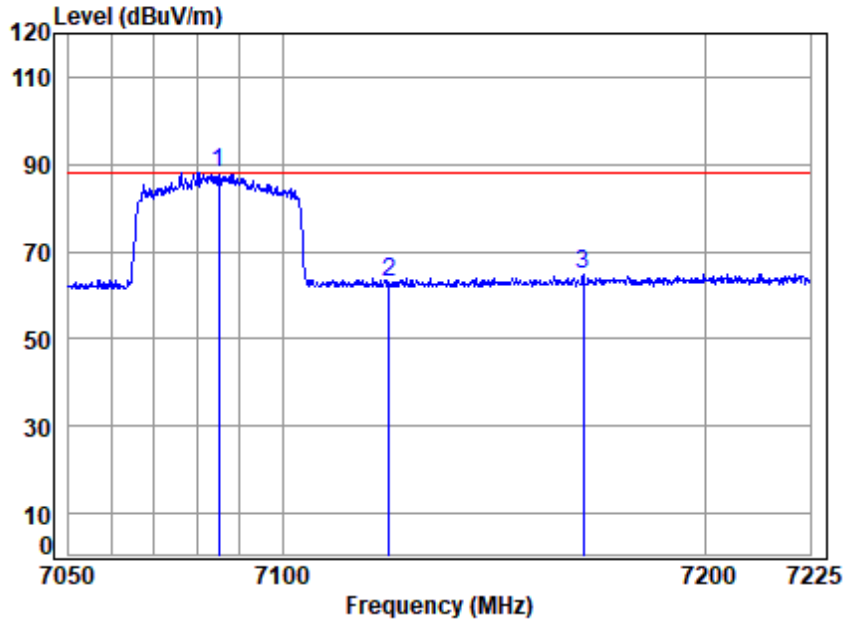
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Test Mode: 28; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:High



Condition: 3m VERTICAL

Job No : 04715WM

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	71.19	88.09	88.20	-0.11 peak
2	7125.000	11.82	36.45	31.26	46.12	63.13	88.20	-25.07 peak
3	7170.994	11.86	36.54	31.29	47.77	64.88	88.20	-23.32 peak



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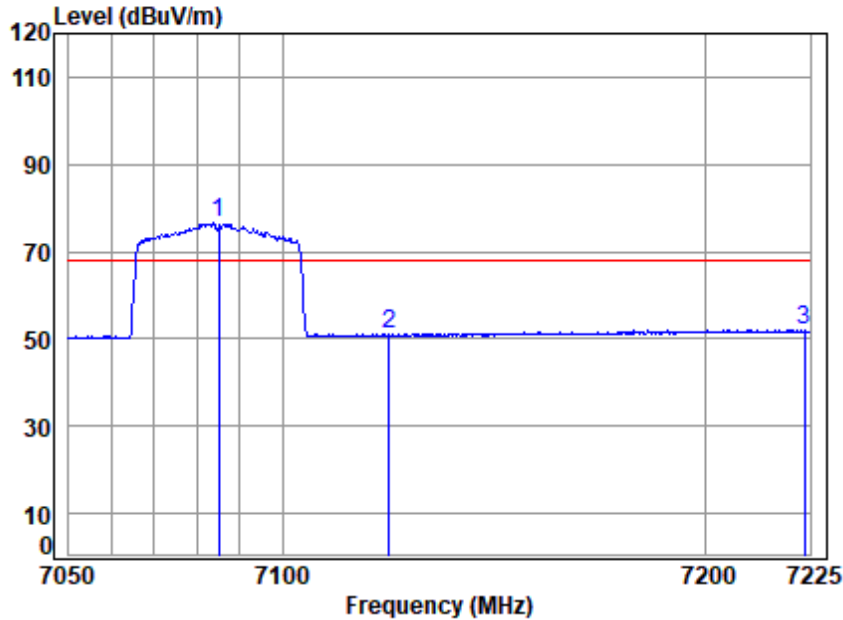
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SZEMC-TRF-01 Rev. A/2

Report No.: SZCR251000471507

Page: 104 of 669

Test Mode: 28; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:High



Condition: 3m VERTICAL

Job No : 04715WM

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	59.55	76.45	68.20	8.25	Average
2	7125.000	11.82	36.45	31.26	33.87	50.88	68.20	-17.32	Average
3	7223.583	11.89	36.60	31.31	34.89	52.07	68.20	-16.13	Average



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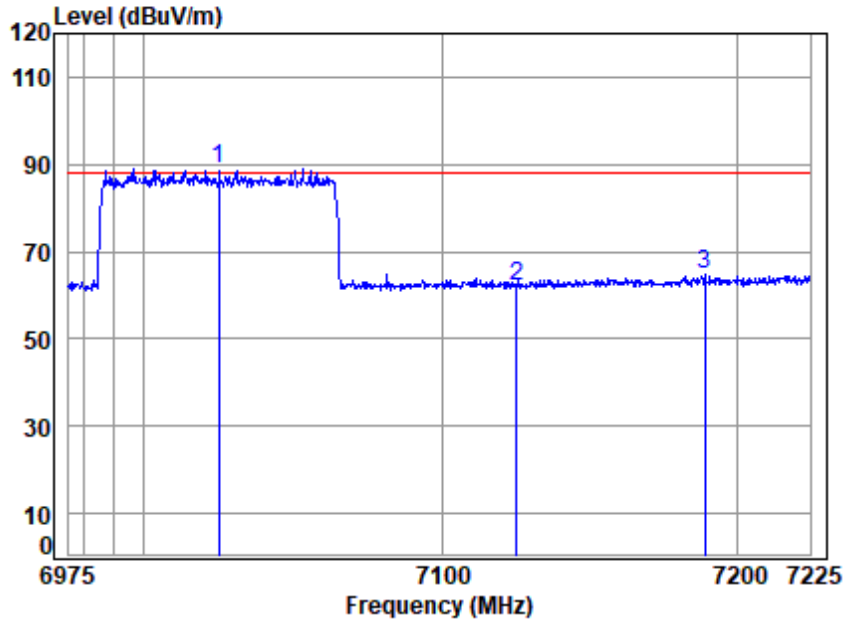
SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

SZEMC-TRF-01 Rev. A/2

Report No.: SZCR251000471507

Page: 105 of 669

Test Mode: 28; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:80MHz; Channel:middle



Condition: 3m HORIZONTAL

Job No : 04715WM

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	72.07	88.75	88.20	0.55	peak
2	7125.000	11.82	36.45	31.26	45.23	62.24	88.20	-25.96	peak
3	7188.961	11.88	36.58	31.29	47.61	64.78	88.20	-23.42	peak



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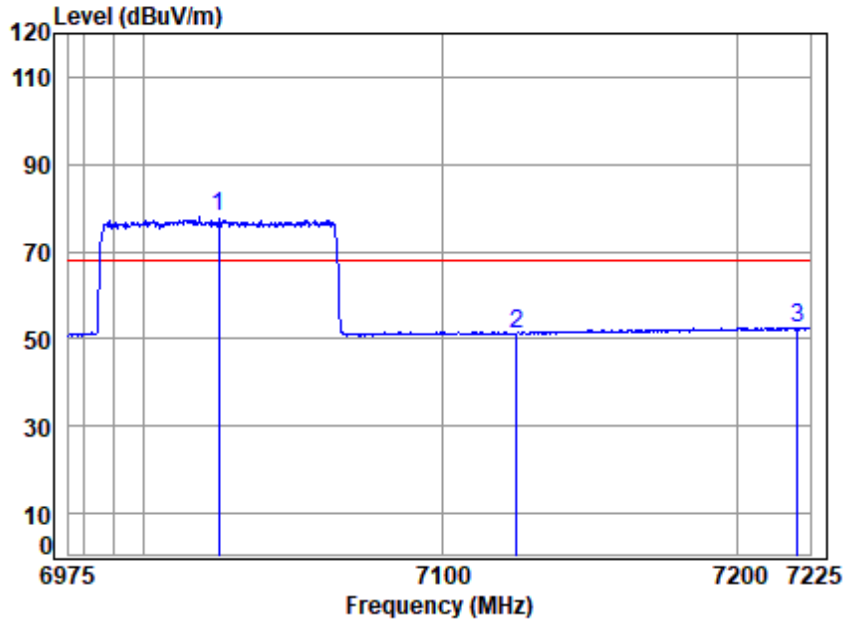
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Test Mode: 28; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:80MHz; Channel:middle



Condition: 3m HORIZONTAL

Job No : 04715WM

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	61.17	77.85	68.20	9.65	Average
2	7125.000	11.82	36.45	31.26	34.21	51.22	68.20	-16.98	Average
3	7220.676	11.89	36.60	31.31	35.46	52.64	68.20	-15.56	Average



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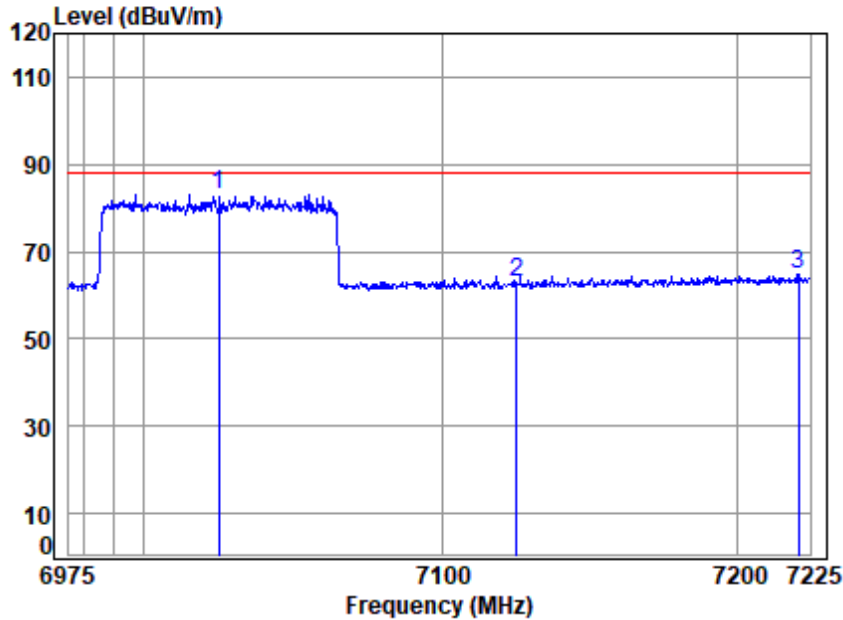
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Report No.: SZCR251000471507

Page: 107 of 669

Test Mode: 28; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:80MHz; Channel:middle



Condition: 3m VERTICAL

Job No : 04715WM

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	66.42	83.10	88.20	-5.10	peak
2	7125.000	11.82	36.45	31.26	46.03	63.04	88.20	-25.16	peak
3	7220.930	11.89	36.60	31.31	47.74	64.92	88.20	-23.28	peak



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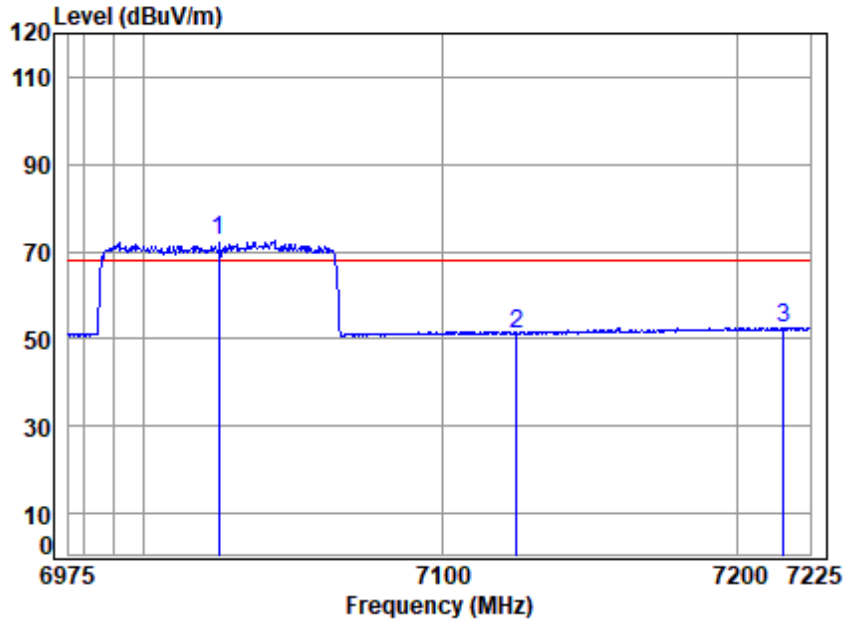
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Test Mode: 28; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:80MHz; Channel:middle



Condition: 3m VERTICAL

Job No : 04715WM

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	55.67	72.35	68.20	4.15	Average
2	7125.000	11.82	36.45	31.26	34.18	51.19	68.20	-17.01	Average
3	7215.846	11.89	36.60	31.31	35.38	52.56	68.20	-15.64	Average



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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
 Test Engineer: Byron Liang

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: 21.0 °C Humidity: 53.9 % RH Atmospheric Pressure: 1020 mbar

7.5.2 Test Mode Description

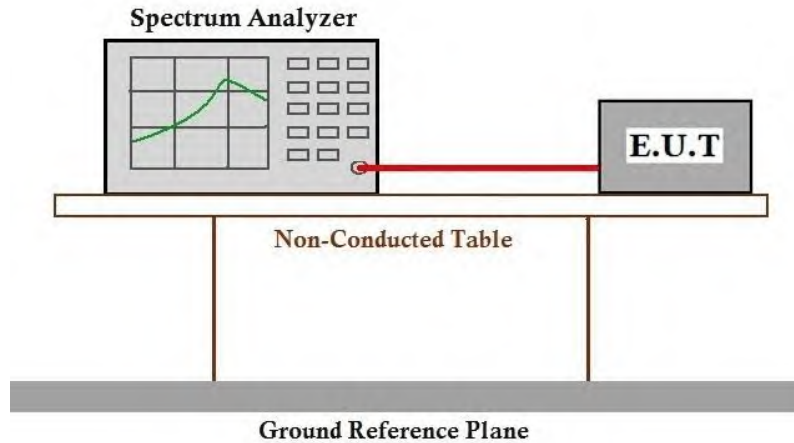
Pre-scan / Final test	Mode Code	Description
Final test	25	TX mode (U-NII-5) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ MCS0 is the worst case of IEEE 802.11 a/ ax 20/40/80, Only the data of worst case is recorded in the report.
Final test	26	TX mode (U-NII-6) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ MCS0 is the worst case of IEEE 802.11 a/ ax 20/40/80, Only the data of worst case is recorded in the report.
Final test	27	TX mode (U-NII-7) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ MCS0 is the worst case of IEEE 802.11 a/ ax 20/40/80, Only the data of worst case is recorded in the report.
Final test	28	TX mode (U-NII-8) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ MCS0 is the worst case of IEEE 802.11 a/ ax 20/40/80, Only the data of worst case is recorded in the report.



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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
 Test Engineer: Joke Huang

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

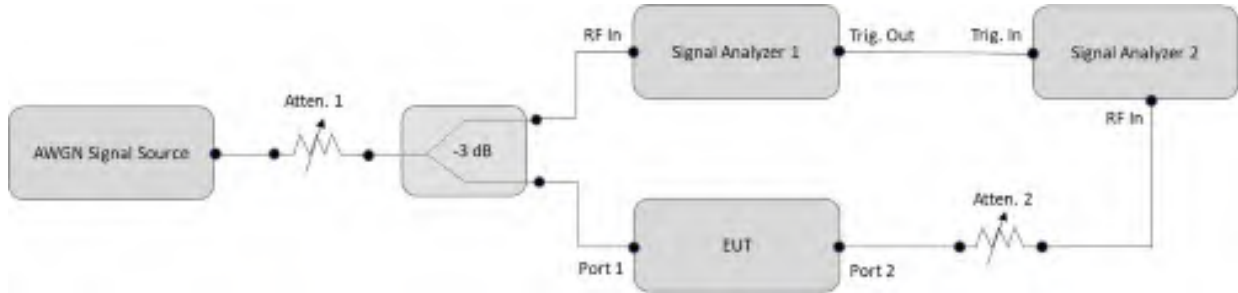
Operating Environment:

Temperature: 25.1 °C Humidity: 31.1 % RH Atmospheric Pressure: 1020 mbar

7.6.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	25	TX mode (U-NII-5) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ MCS0 is the worst case of IEEE 802.11 a/ ax 20/40/80, Only the data of worst case is recorded in the report.
Final test	26	TX mode (U-NII-6) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ MCS0 is the worst case of IEEE 802.11 a/ ax 20/40/80, Only the data of worst case is recorded in the report.
Final test	27	TX mode (U-NII-7) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ MCS0 is the worst case of IEEE 802.11 a/ ax 20/40/80, Only the data of worst case is recorded in the report.
Final test	28	TX mode (U-NII-8) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ MCS0 is the worst case of IEEE 802.11 a/ ax 20/40/80, Only the data of worst case is recorded in the report.

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
 Test Engineer: Byron Liang

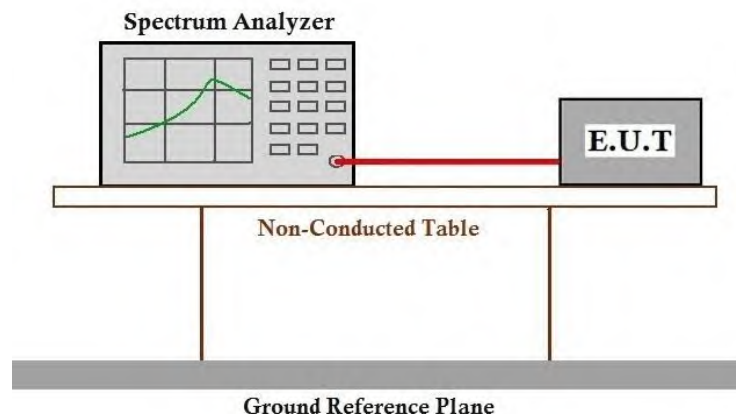
7.7.1 E.U.T. Operation

Operating Environment:
 Temperature: 21.0 °C Humidity: 53.9 % RH Atmospheric Pressure: 1020 mbar

7.7.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	25	TX mode (U-NII-5) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ MCS0 is the worst case of IEEE 802.11 a/ ax 20/40/80, Only the data of worst case is recorded in the report.
Final test	26	TX mode (U-NII-6) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ MCS0 is the worst case of IEEE 802.11 a/ ax 20/40/80, Only the data of worst case is recorded in the report.
Final test	27	TX mode (U-NII-7) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ MCS0 is the worst case of IEEE 802.11 a/ ax 20/40/80, Only the data of worst case is recorded in the report.
Final test	28	TX mode (U-NII-8) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ MCS0 is the worst case of IEEE 802.11 a/ ax 20/40/80, 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

Test Engineer: Byron Liang

7.8.1 E.U.T. Operation

Operating Environment:

Temperature: 21.0 °C

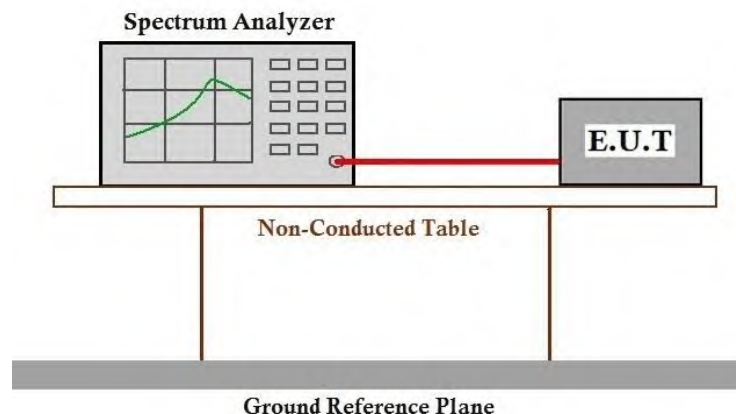
Humidity: 53.9 % RH

Atmospheric Pressure: 1020 mbar

7.8.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	25	TX mode (U-NII-5) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ MCS0 is the worst case of IEEE 802.11 a/ ax 20/40/80, Only the data of worst case is recorded in the report.
Final test	26	TX mode (U-NII-6) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ MCS0 is the worst case of IEEE 802.11 a/ ax 20/40/80, Only the data of worst case is recorded in the report.
Final test	27	TX mode (U-NII-7) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ MCS0 is the worst case of IEEE 802.11 a/ ax 20/40/80, Only the data of worst case is recorded in the report.
Final test	28	TX mode (U-NII-8) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ MCS0 is the worst case of IEEE 802.11 a/ ax 20/40/80, 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
 Test Engineer: Byron Liang

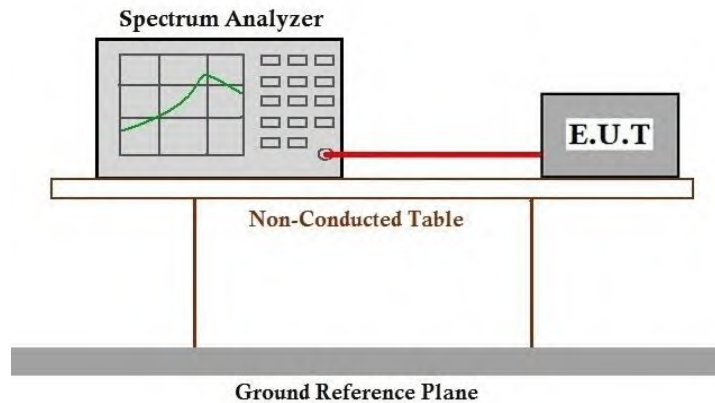
7.9.1 E.U.T. Operation

Operating Environment:
 Temperature: 21.0 °C Humidity: 53.9 % RH Atmospheric Pressure: 1020 mbar

7.9.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	25	TX mode (U-NII-5) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ MCS0 is the worst case of IEEE 802.11 a/ ax 20/40/80, Only the data of worst case is recorded in the report.
Final test	26	TX mode (U-NII-6) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ MCS0 is the worst case of IEEE 802.11 a/ ax 20/40/80, Only the data of worst case is recorded in the report.
Final test	27	TX mode (U-NII-7) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ MCS0 is the worst case of IEEE 802.11 a/ ax 20/40/80, Only the data of worst case is recorded in the report.
Final test	28	TX mode (U-NII-8) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ MCS0 is the worst case of IEEE 802.11 a/ ax 20/40/80, Only the data of worst case is recorded in the report.

7.9.3 Test Setup Diagram



7.9.4 Measurement Procedure and Data

Please Refer to Appendix for Details

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SZEMC-TRF-01 Rev. A/2

Report No.: SZCR251000471507

Page: 116 of 669

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

Test Engineer: Byron Liang

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: 21.0 °C

Humidity: 53.9 % RH

Atmospheric Pressure: 1020 mbar

7.10.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	25	TX mode (U-NII-5) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ MCS0 is the worst case of IEEE 802.11 a/ ax 20/40/80, Only the data of worst case is recorded in the report.
Final test	26	TX mode (U-NII-6) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and



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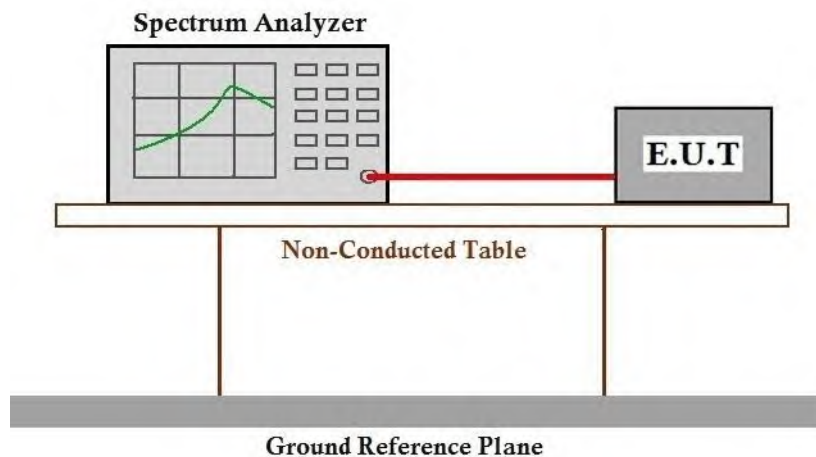
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中国·广东·深圳市南山区科技园中区M-10栋1号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

		found the data rate @ MCS0 is the worst case of IEEE 802.11 a/ ax 20/40/80, Only the data of worst case is recorded in the report.
Final test	27	TX mode (U-NII-7) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ MCS0 is the worst case of IEEE 802.11 a/ ax 20/40/80, Only the data of worst case is recorded in the report.
Final test	28	TX mode (U-NII-8) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ MCS0 is the worst case of IEEE 802.11 a/ ax 20/40/80, Only the data of worst case is recorded in the report.

7.10.3 Test Setup Diagram



7.10.4 Measurement Procedure and Data

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

AV Output power Level = Reading level + Cable loss + 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

Test Engineer: Byron Liang

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: 21.0 °C

Humidity: 53.9 % RH

Atmospheric Pressure: 1020 mbar

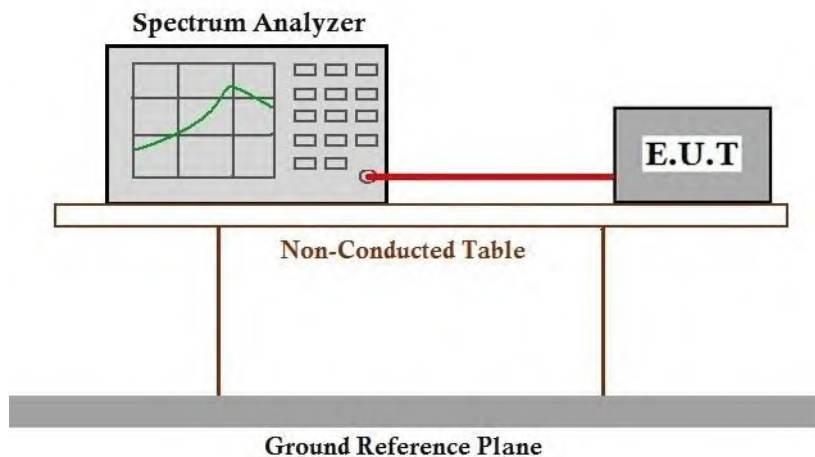
7.11.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	25	TX mode (U-NII-5) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ MCS0 is the worst case of IEEE 802.11 a/ ax 20/40/80, Only the data of worst case is recorded in the report.
Final test	26	TX mode (U-NII-6) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and



		found the data rate @ MCS0 is the worst case of IEEE 802.11 a/ ax 20/40/80, Only the data of worst case is recorded in the report.
Final test	27	TX mode (U-NII-7) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ MCS0 is the worst case of IEEE 802.11 a/ ax 20/40/80, Only the data of worst case is recorded in the report.
Final test	28	TX mode (U-NII-8) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ MCS0 is the worst case of IEEE 802.11 a/ ax 20/40/80, Only the data of worst case is recorded in the report.

7.11.3 Test Setup Diagram



7.11.4 Measurement Procedure and Data

RBW conversion factor from 300kHz to 500kHz (2.22dB) for UNII Band 3 has been considered.

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

Test Engineer: Byron Liang

7.12.1 E.U.T. Operation

Operating Environment:

Temperature: 21.0 °C

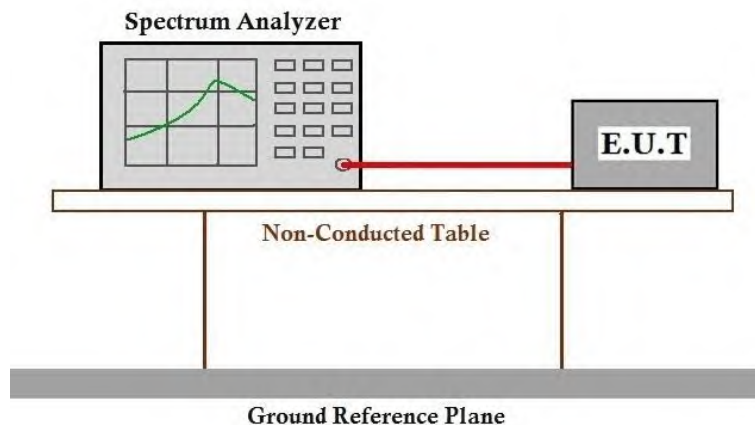
Humidity: 53.9 % RH

Atmospheric Pressure: 1020 mbar

7.12.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	25	TX mode (U-NII-5) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ MCS0 is the worst case of IEEE 802.11 a/ ax 20/40/80, Only the data of worst case is recorded in the report.
Final test	26	TX mode (U-NII-6) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ MCS0 is the worst case of IEEE 802.11 a/ ax 20/40/80, Only the data of worst case is recorded in the report.
Final test	27	TX mode (U-NII-7) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ MCS0 is the worst case of IEEE 802.11 a/ ax 20/40/80, Only the data of worst case is recorded in the report.
Final test	28	TX mode (U-NII-8) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ MCS0 is the worst case of IEEE 802.11 a/ ax 20/40/80, 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 SZCR2510004715WM Appendix_ Setup Photo-WLAN

9 EUT Constructional Details (EUT Photos)

Refer to Appendix – External and Internal Photos for SZCR2510004715WM



10 Appendix

1. Duty Cycle

1.1 Test Result

1.1.1 Ant12

Ant12										
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	/	/	1.392	1.435	97.00	0.13	0.03
			6415	/	/	1.393	1.435	97.07	0.13	0.03
	802.11ax (HEW20)	MIMO	5955	RU242	Left	1.015	1.057	96.03	0.18	0.03
			6175	RU242	Left	1.014	1.057	95.93	0.18	0.04
			6415	RU242	Left	1.014	1.057	95.93	0.18	0.07
	802.11ax (HEW40)	MIMO	5965	RU484	Left	0.534	0.577	92.55	0.34	0.11
			6165	RU484	Left	0.534	0.577	92.55	0.34	0.04
			6405	RU484	Left	0.535	0.578	92.56	0.34	0.13
	802.11ax (HEW80)	MIMO	5985	RU996	Left	0.290	0.331	87.61	0.57	0.08
			6145	RU996	Left	0.290	0.331	87.61	0.57	0.06
			6385	RU996	Left	0.290	0.331	87.61	0.57	0.08

1.1.2 Ant12

Ant12										
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	/	/	1.393	1.434	97.14	0.13	0.03
			6475	/	/	0.709	0.751	94.41	0.25	0.00
			6515	/	/	1.392	1.435	97.00	0.13	0.06
	802.11ax (HEW20)	MIMO	6435	RU242	Left	1.014	1.056	96.02	0.18	0.00
			6475	RU242	Left	1.015	1.057	96.03	0.18	0.07
			6515	RU242	Left	1.014	1.057	95.93	0.18	0.03
	802.11ax (HEW40)	MIMO	6445	RU484	Left	0.535	0.577	92.72	0.33	0.10
			6485	RU484	Left	0.534	0.577	92.55	0.34	0.03
	802.11ax (HEW80)	MIMO	6465	RU996	Left	0.288	0.331	87.01	0.60	0.08

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Report No.: SZCR251000471507

Page: 123 of 669

1.1.3 Ant12

Ant12										
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	/	/	0.710	0.751	94.54	0.24	0.07
			6695	/	/	0.709	0.751	94.41	0.25	0.04
			6855	/	/	1.393	1.435	97.07	0.13	0.07
	802.11ax (HEW20)	MIMO	6535	RU242	Left	1.014	1.057	95.93	0.18	0.03
			6695	RU242	Left	1.014	1.057	95.93	0.18	0.00
			6855	RU242	Left	1.014	1.057	95.93	0.18	0.03
	802.11ax (HEW40)	MIMO	6565	RU484	Left	0.535	0.577	92.72	0.33	0.03
			6685	RU484	Left	0.534	0.576	92.71	0.33	0.04
			6845	RU484	Left	0.534	0.577	92.55	0.34	0.07
	802.11ax (HEW80)	MIMO	6625	RU996	Left	0.288	0.332	86.75	0.62	0.09
			6705	RU996	Left	0.289	0.331	87.31	0.59	0.06
			6785	RU996	Left	0.288	0.331	87.01	0.60	0.09

1.1.4 Ant12

Ant12										
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	1.435	97.07	0.13	0.00
			6995	/	/	1.393	1.435	97.07	0.13	0.00
			7095	/	/	1.393	1.435	97.07	0.13	0.03
	802.11ax (HEW20)	MIMO	6895	RU242	Left	1.014	1.057	95.93	0.18	0.03
			6995	RU242	Left	1.014	1.057	95.93	0.18	0.07
			7095	RU242	Left	1.015	1.057	96.03	0.18	0.00
	802.11ax (HEW40)	MIMO	6925	RU484	Left	0.535	0.577	92.72	0.33	0.00
			7005	RU484	Left	0.535	0.578	92.56	0.34	0.06
			7085	RU484	Left	0.534	0.577	92.55	0.34	0.03
	802.11ax (HEW80)	MIMO	6945	RU996	Left	0.288	0.331	87.01	0.60	0.06
			7025	RU996	Left	0.288	0.331	87.01	0.60	0.12

1.1.5 Ant12

Ant12										
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	6875	/	/	1.393	1.435	97.07	0.13	0.03
	802.11ax (HEW20)	MIMO	6875	RU242	Left	1.014	1.057	95.93	0.18	0.03
	802.11ax (HEW40)	MIMO	6885	RU484	Left	0.535	0.577	92.72	0.33	0.10
	802.11ax (HEW80)	MIMO	6865	RU996	Left	0.290	0.331	87.61	0.57	0.06

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Report No.: SZCR251000471507

Page: 124 of 669

1.1.6 Ant12

Ant12										
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	RU484	Left	0.534	0.577	92.55	0.34	0.03
	802.11ax (HEW80)	MIMO	6545	RU996	Left	0.288	0.331	87.01	0.60	0.06



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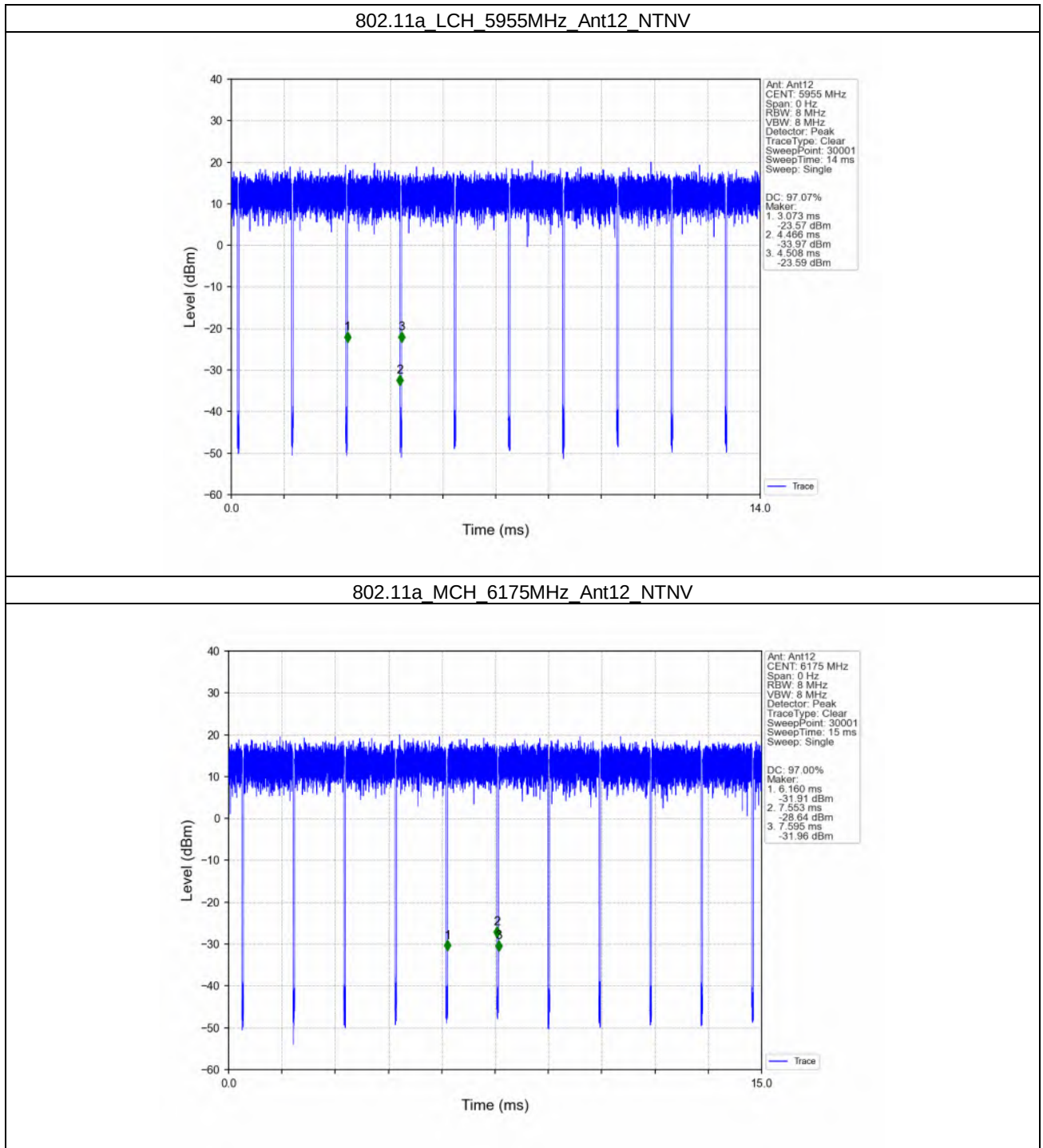
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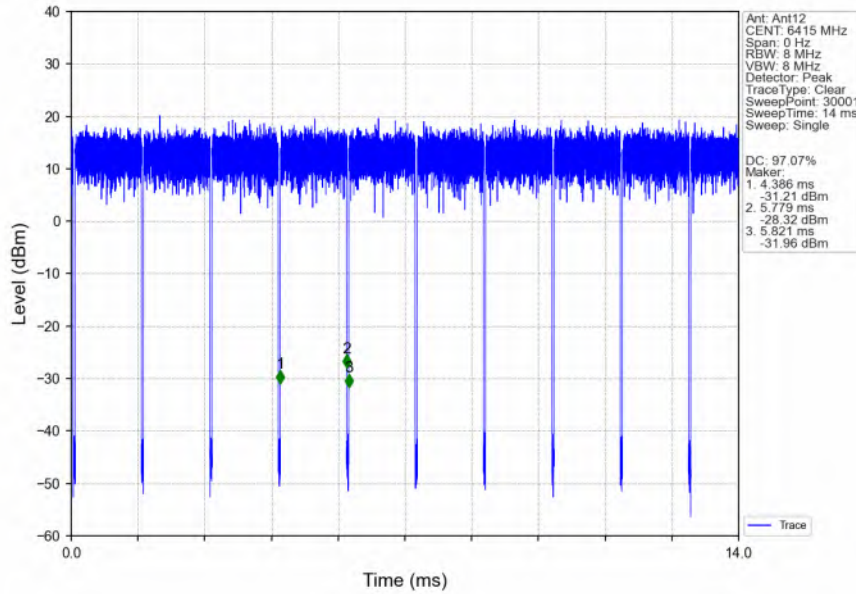
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1.2 Test Graph

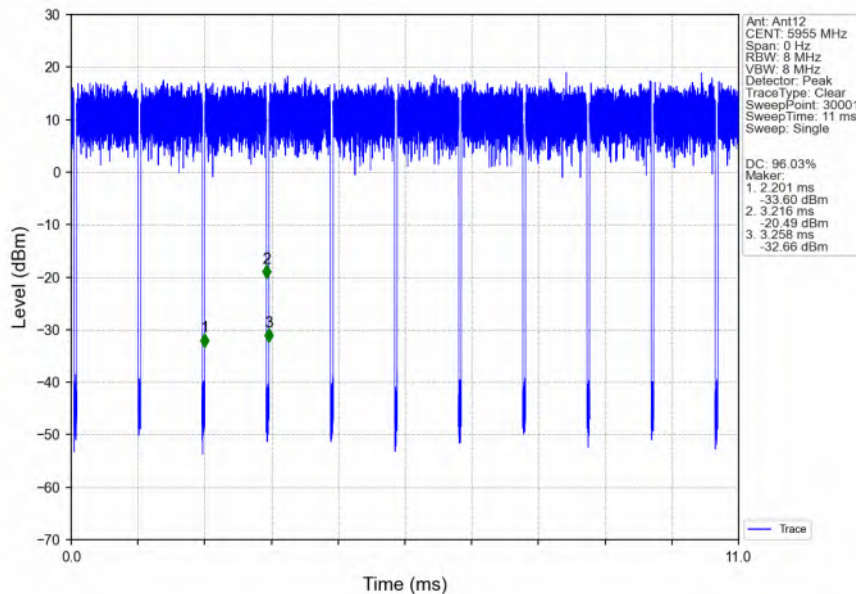
1.2.1 Ant12



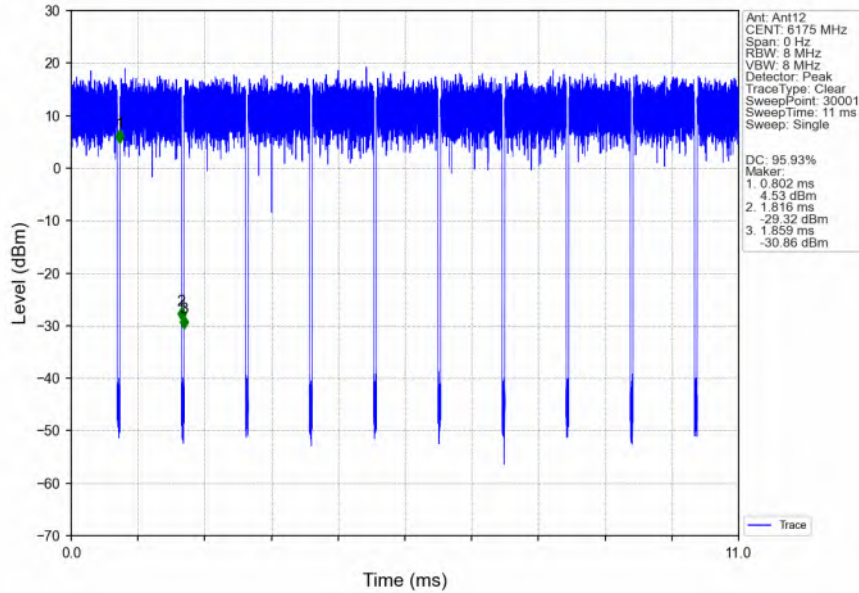
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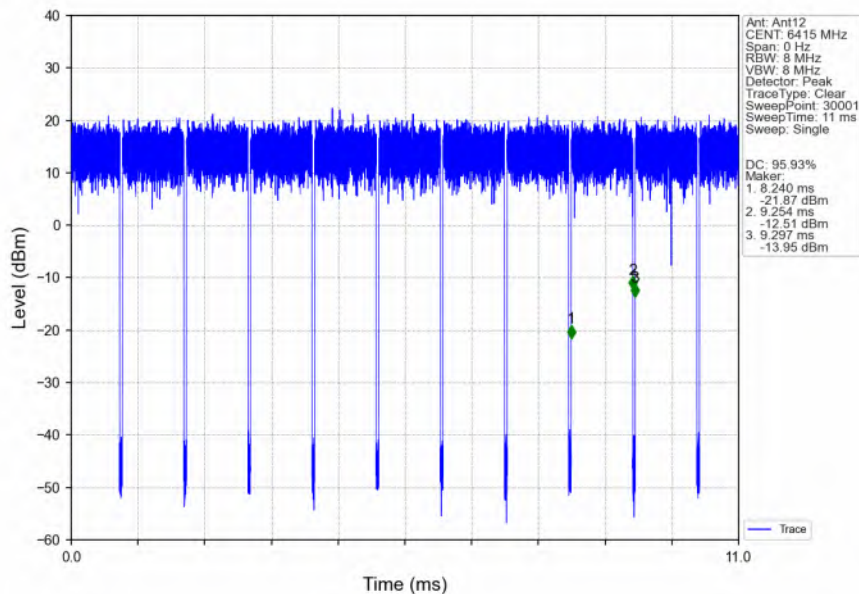
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802.11ax(HEW20) MCH 6175MHz RU242 Left Ant12 NTNv



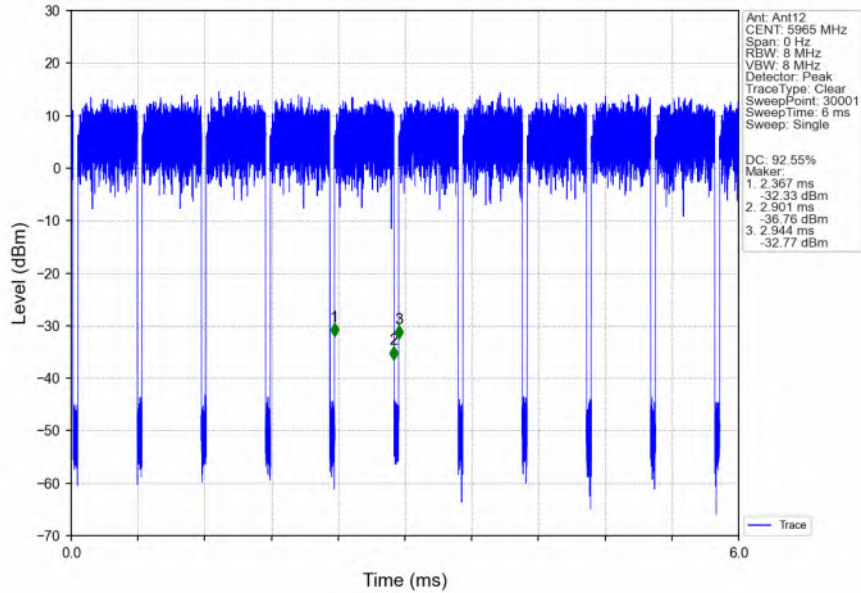
802.11ax(HEW20) HCH 6415MHz RU242 Left Ant12 NTNv



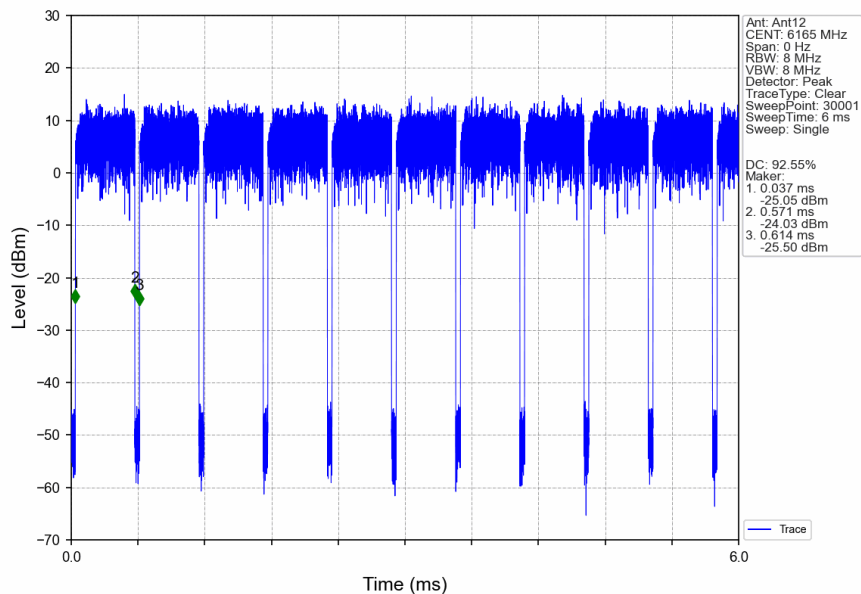
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802.11ax(HEW40) LCH 5965MHz RU484 Left_Ant12 NTN



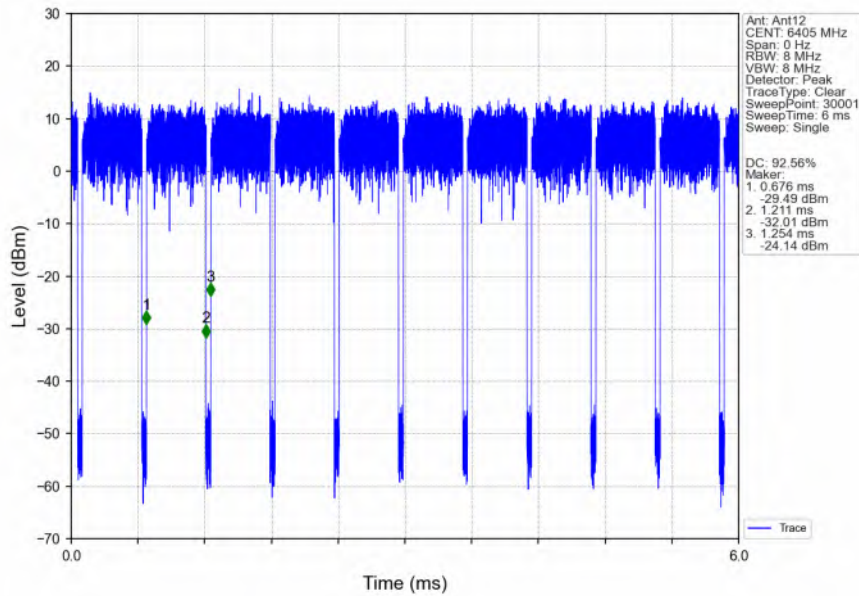
802.11ax(HEW40) MCH 6165MHz RU484 Left_Ant12 NTN



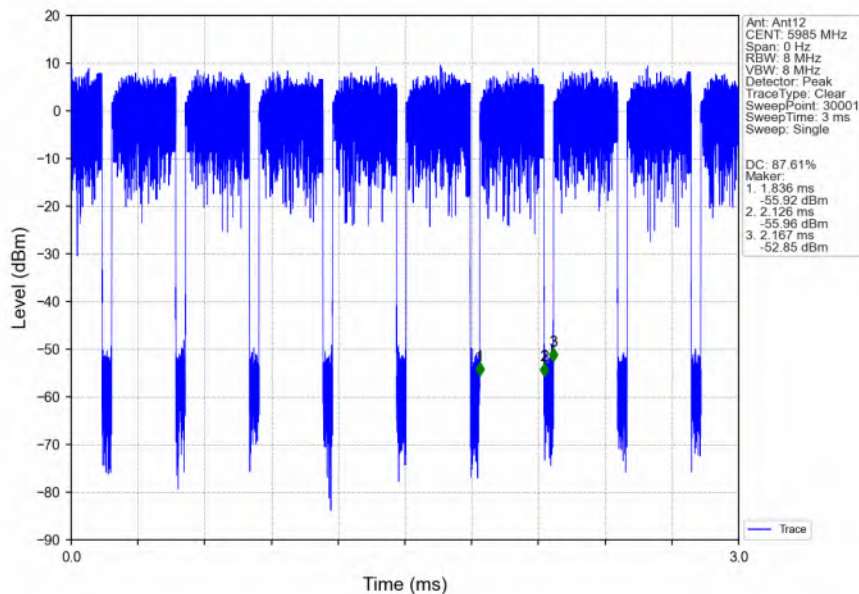
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802.11ax(HEW40) HCH 6405MHz RU484 Left Ant12 NTN



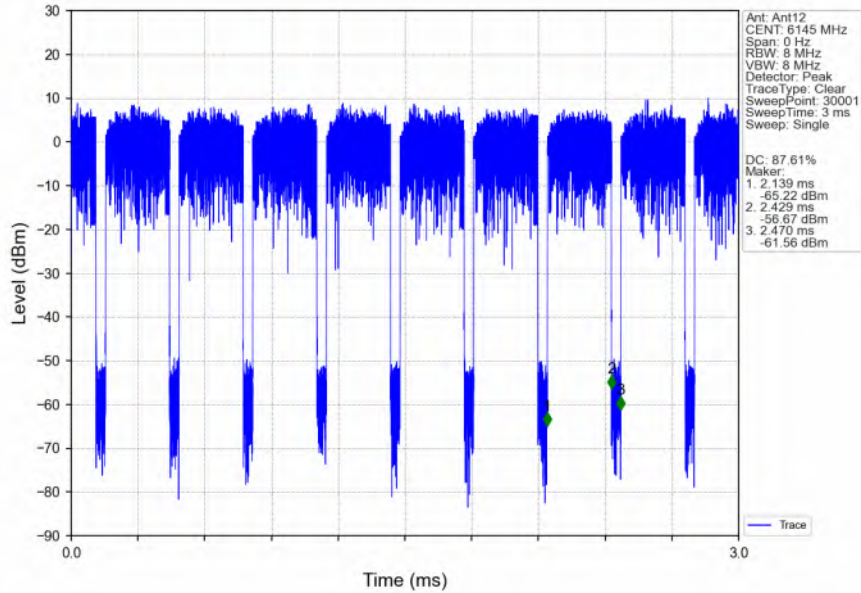
802.11ax(HEW80) LCH 5985MHz RU996 Left Ant12 NTN



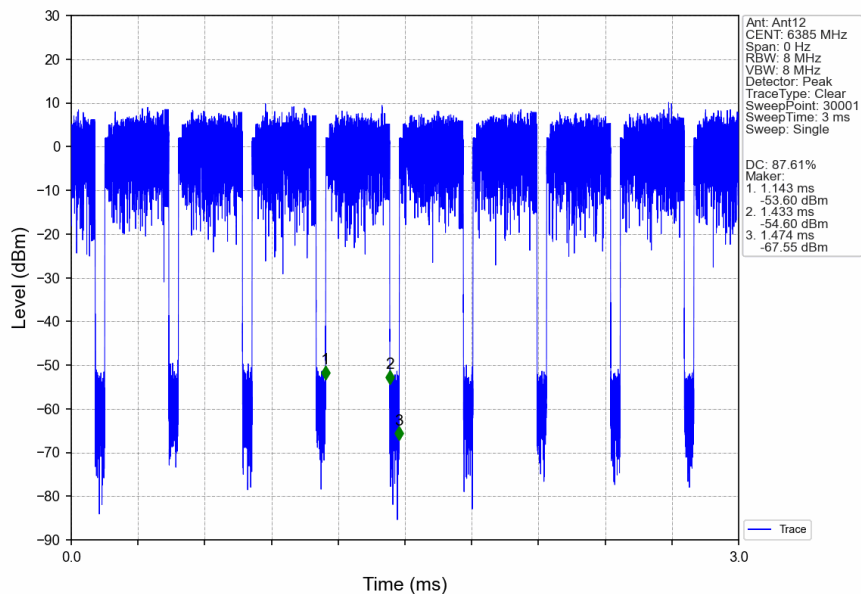
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802.11ax(HEW80) MCH 6145MHz RU996 Left Ant12 NTNv



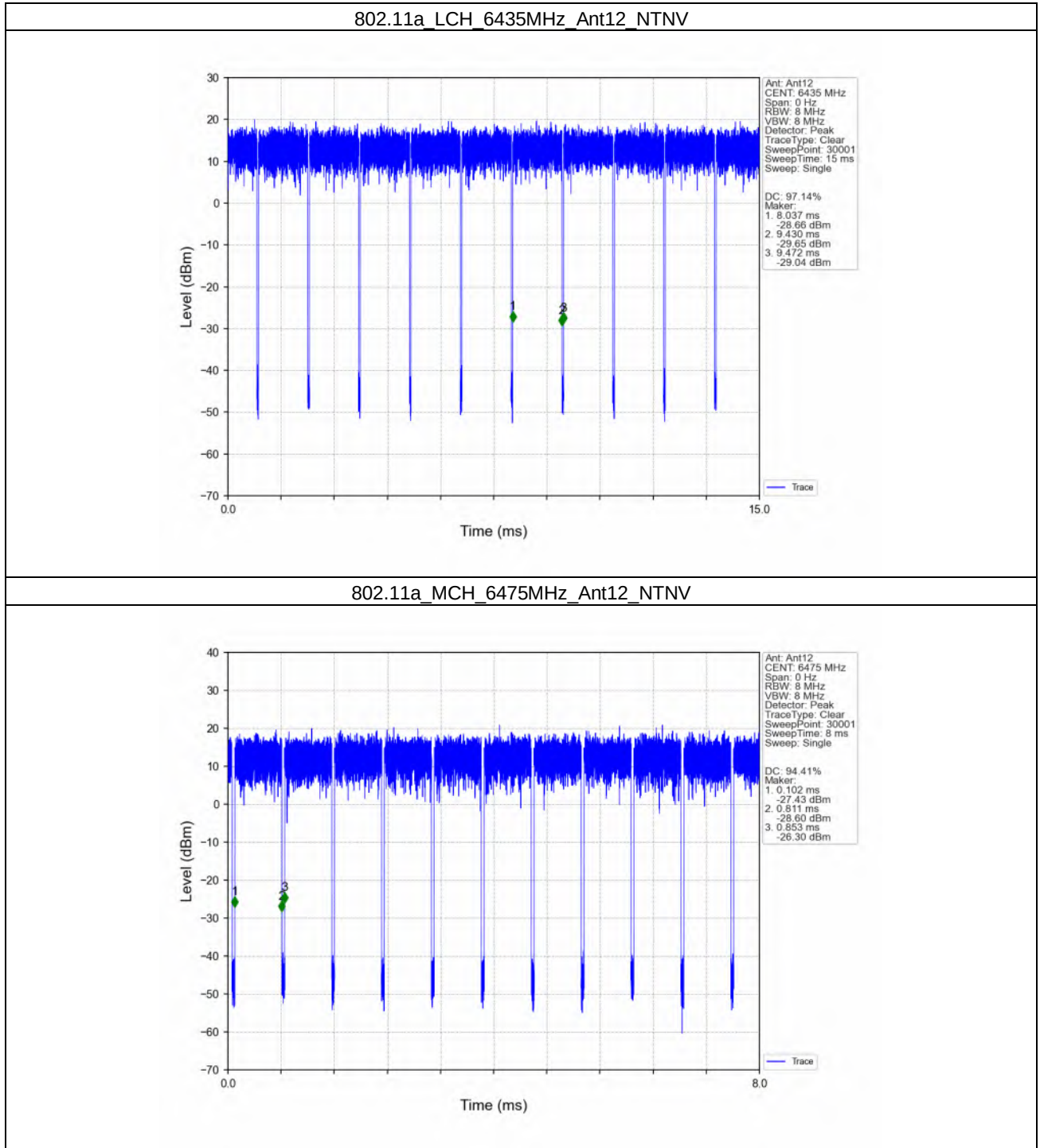
802.11ax(HEW80) HCH 6385MHz RU996 Left Ant12 NTNv



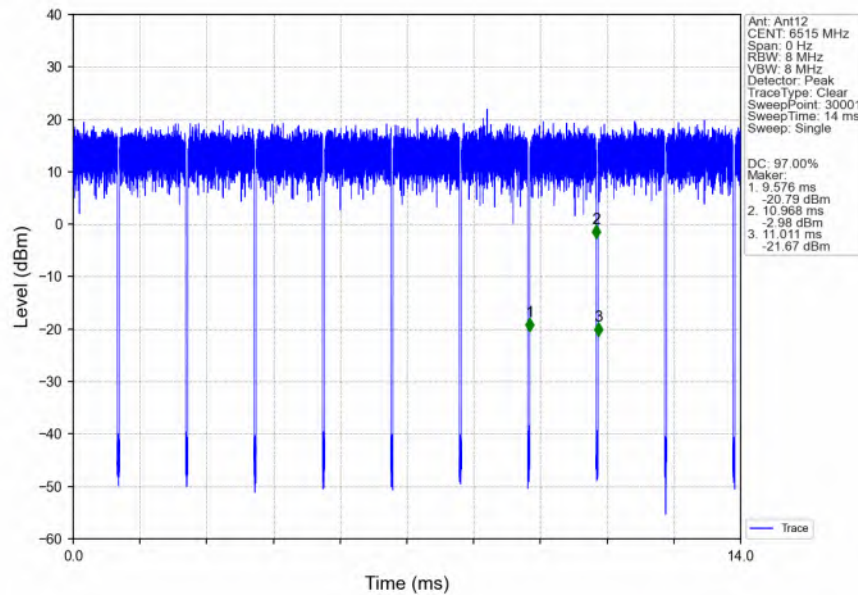
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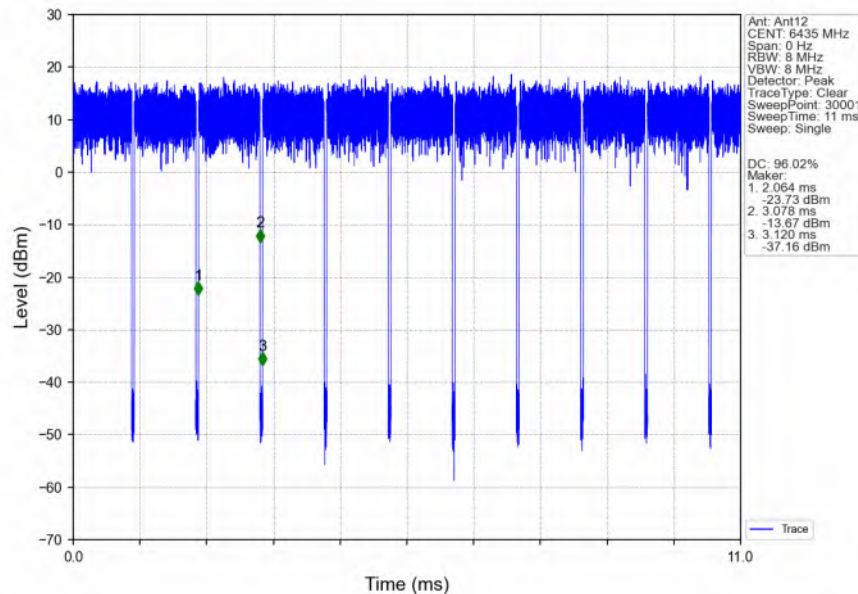
1.2.2 Ant12



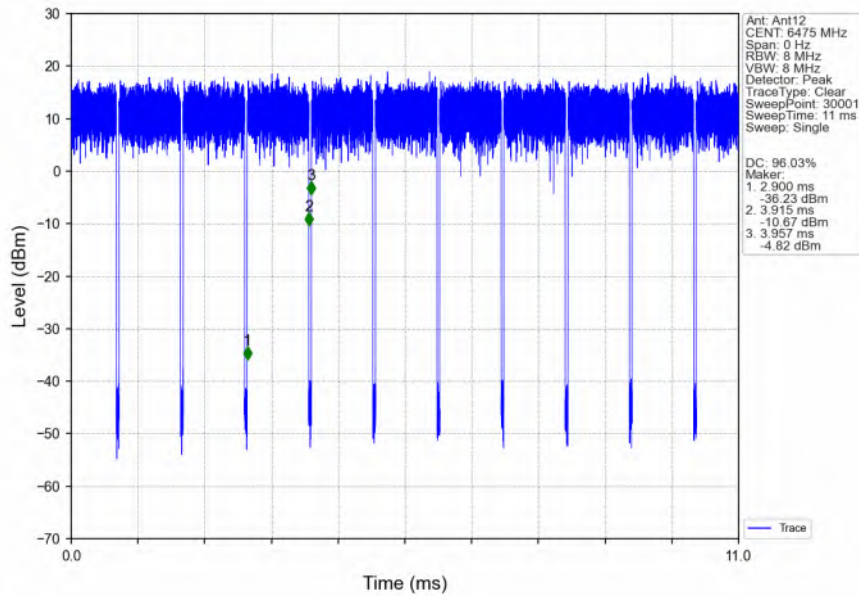
802.11a_HCH_6515MHz_Ant12_NTNV



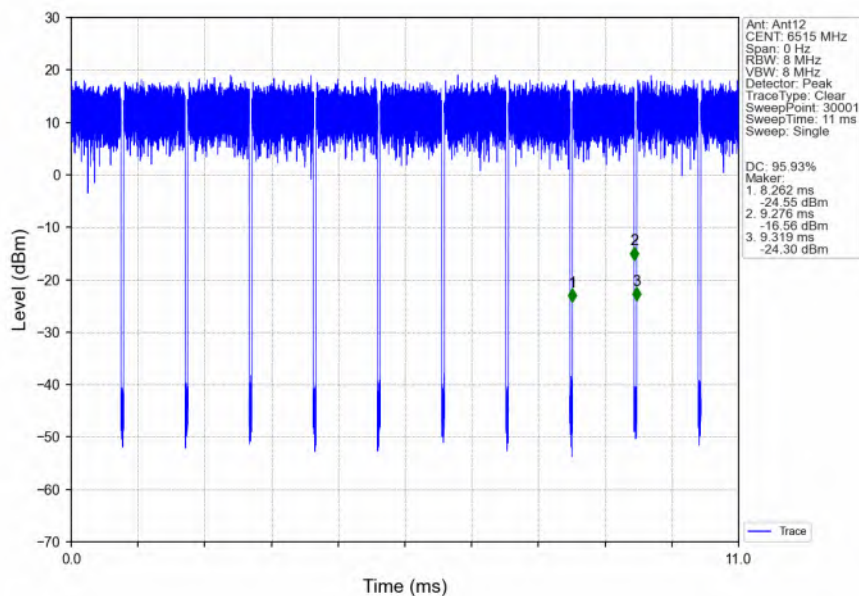
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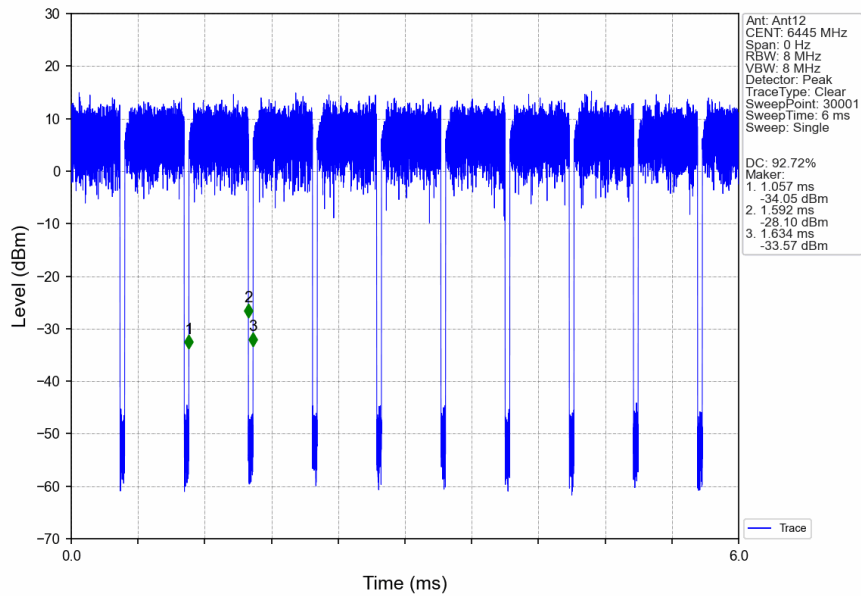
802.11ax(HEW20) MCH 6475MHz RU242 Left Ant12 NTN



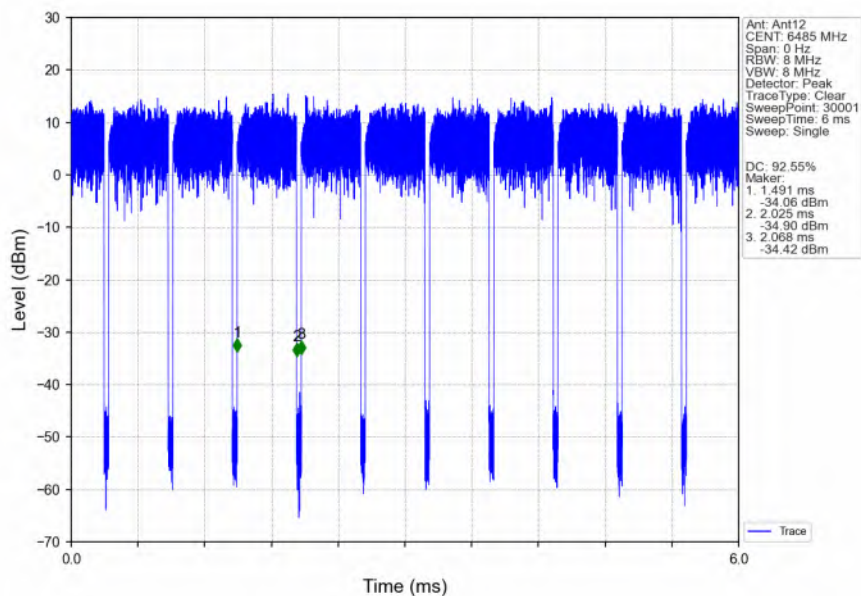
802.11ax(HEW20) HCH 6515MHz RU242 Left Ant12 NTN



802.11ax(HEW40) LCH 6445MHz RU484 Left Ant12 NTNv



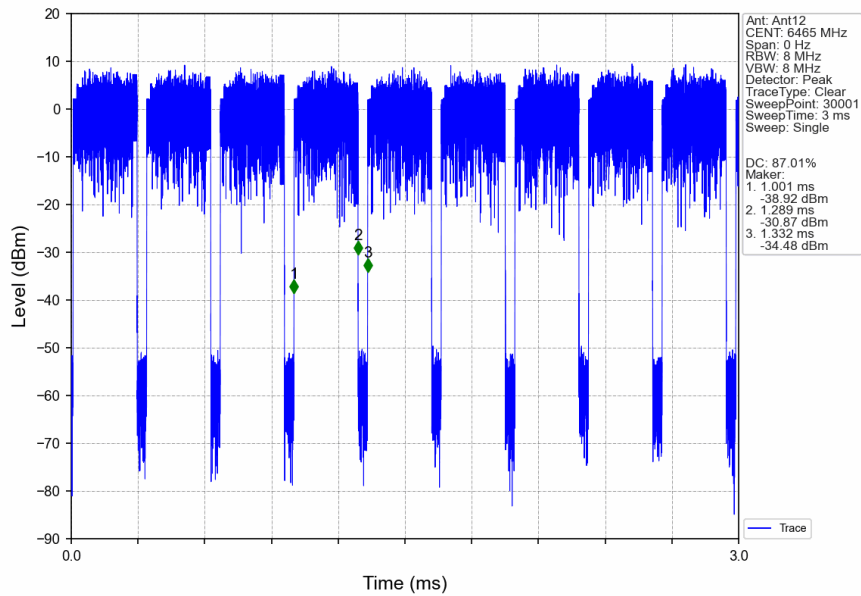
802.11ax(HEW40) MCH 6485MHz RU484 Left Ant12 NTNv



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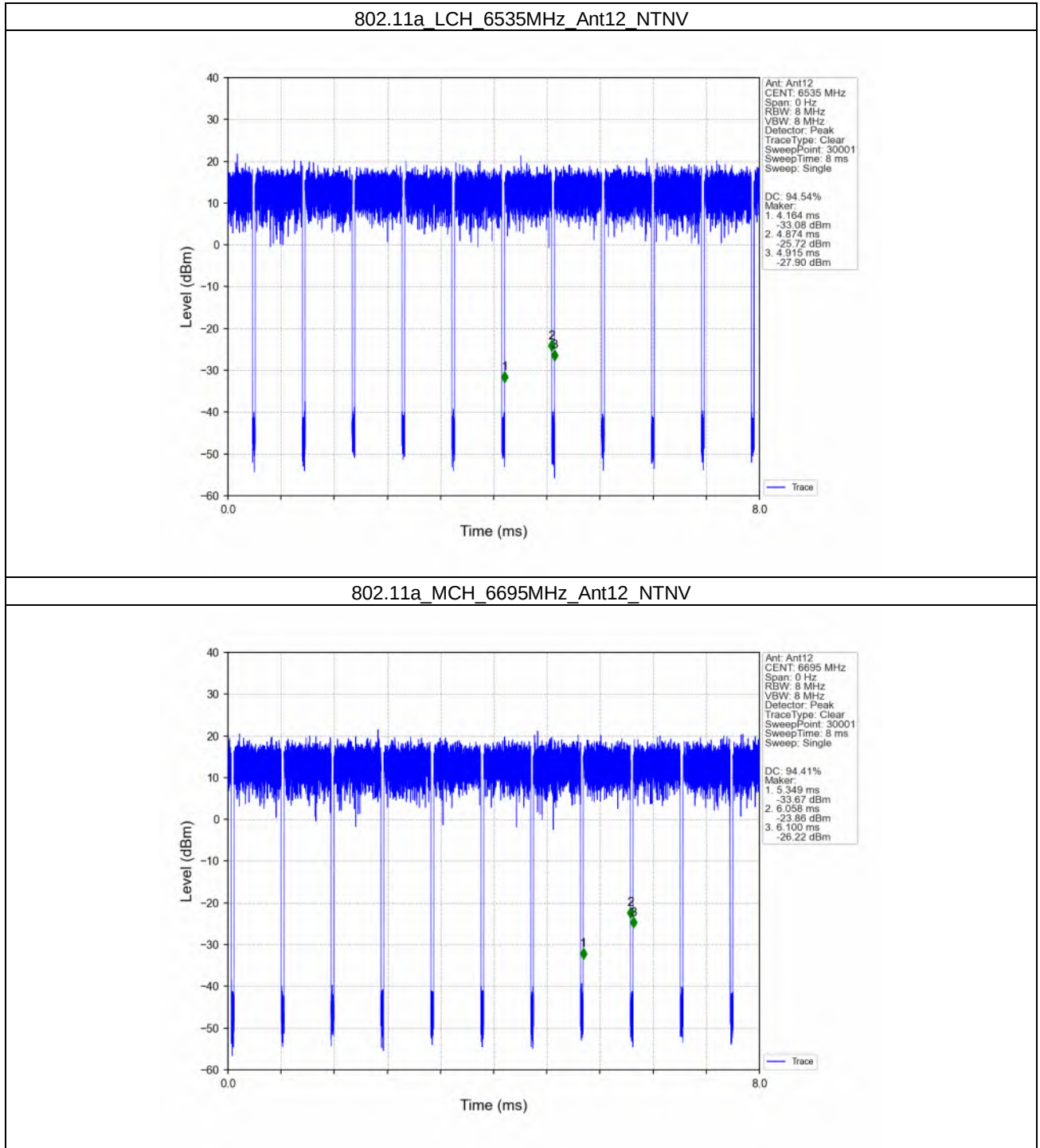
802.11ax(HEW80) LCH 6465MHz RU996 Left_Ant12_NTNV



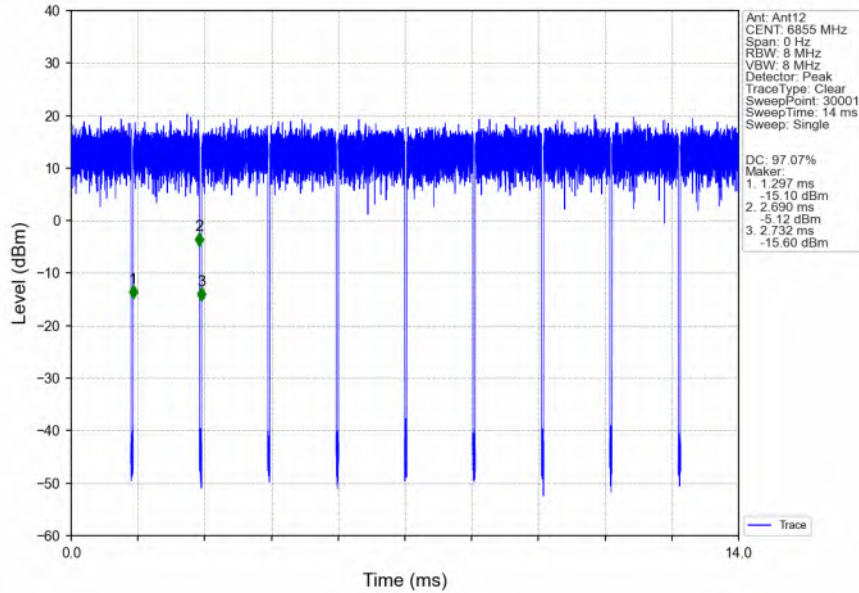
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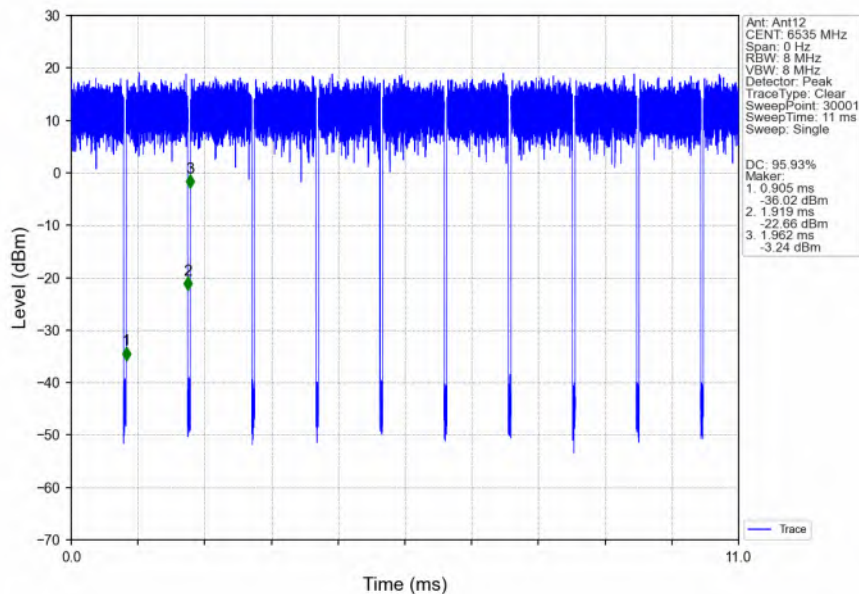
1.2.3 Ant12



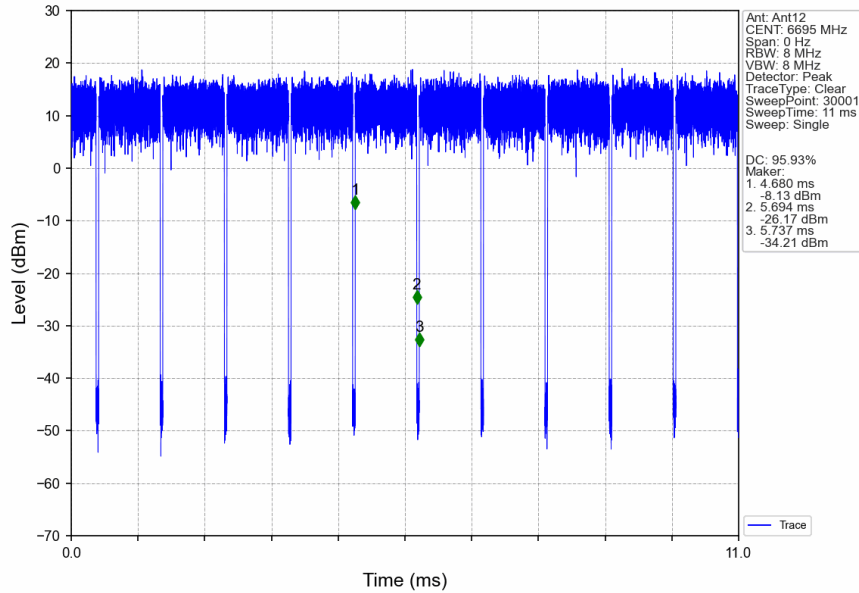
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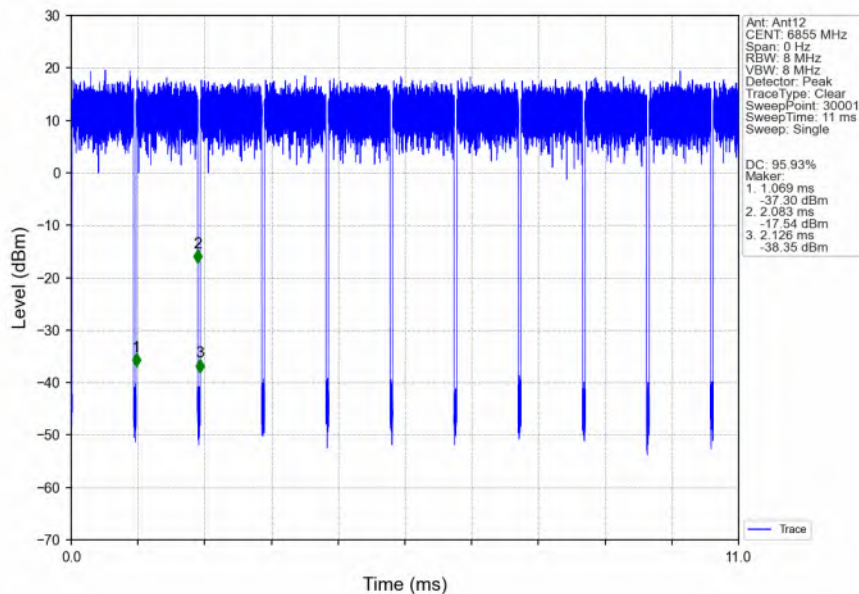
802.11ax(HEW20)_LCH_6535MHz_RU242_Left_Ant12_NTNV



802.11ax(HEW20) MCH 6695MHz RU242 Left Ant12 NTNv



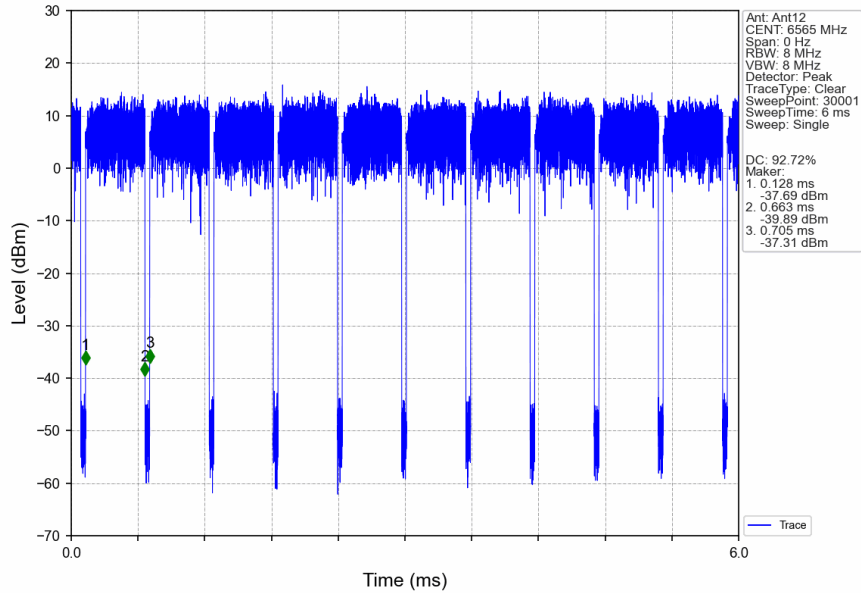
802.11ax(HEW20) HCH 6855MHz RU242 Left Ant12 NTNv



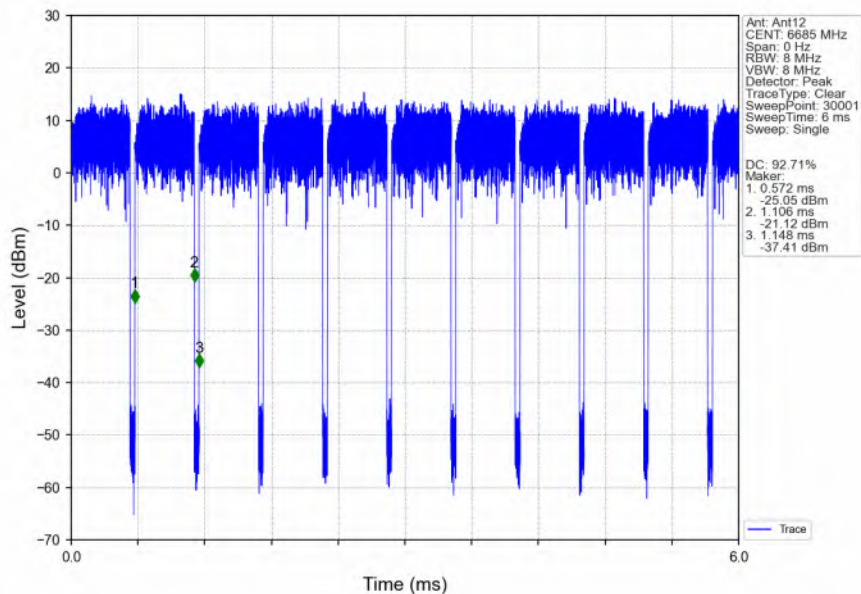
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802.11ax(HEW40) LCH 6565MHz RU484 Left Ant12 NTN



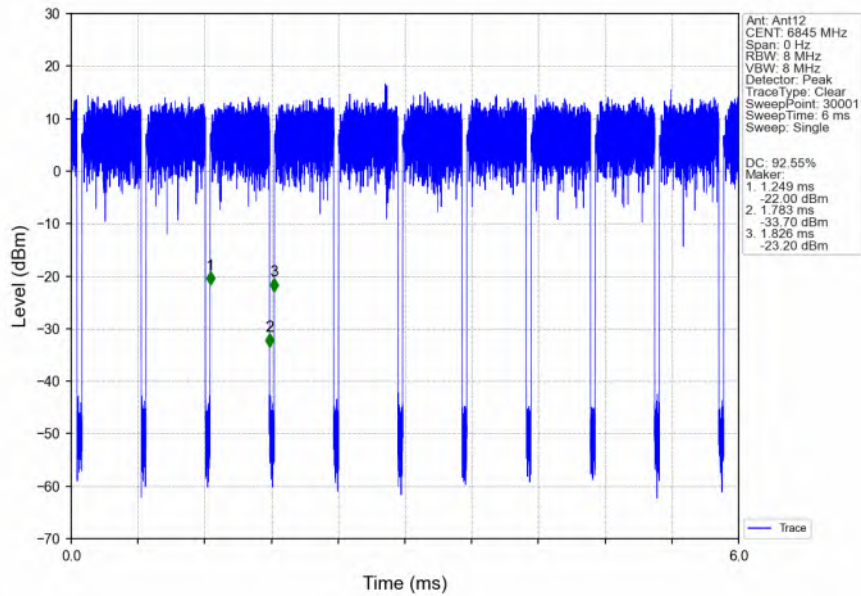
802.11ax(HEW40) MCH 6685MHz RU484 Left Ant12 NTN



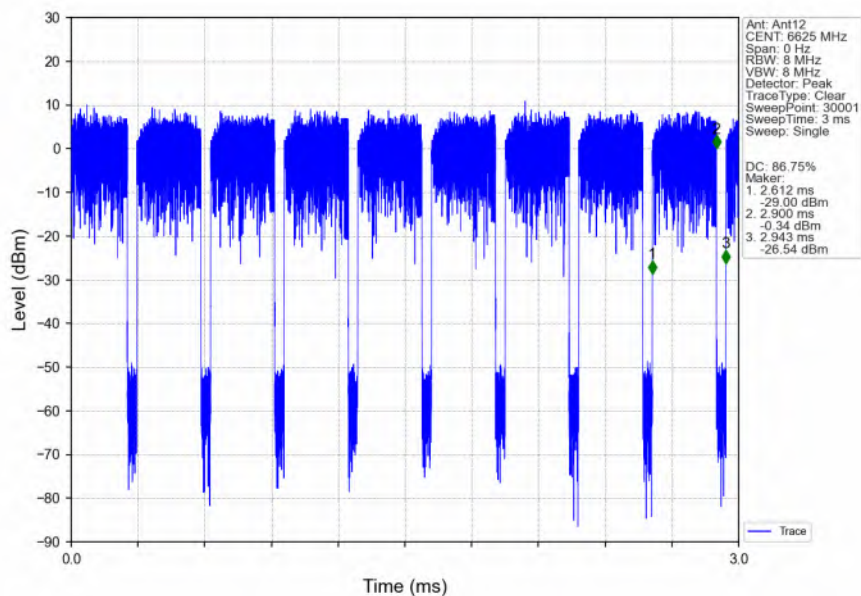
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802.11ax(HEW40) HCH 6845MHz RU484 Left Ant12 NTN



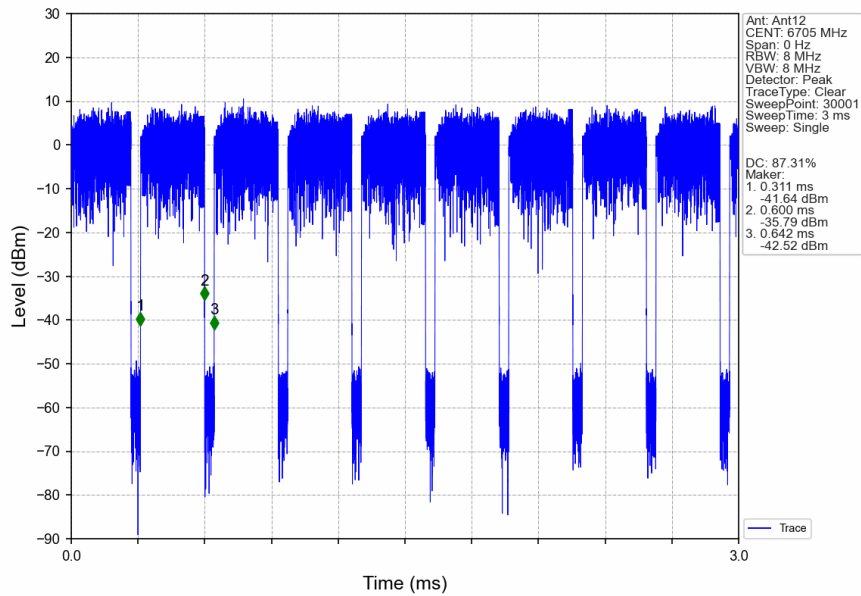
802.11ax(HEW80) LCH 6625MHz RU996 Left Ant12 NTN



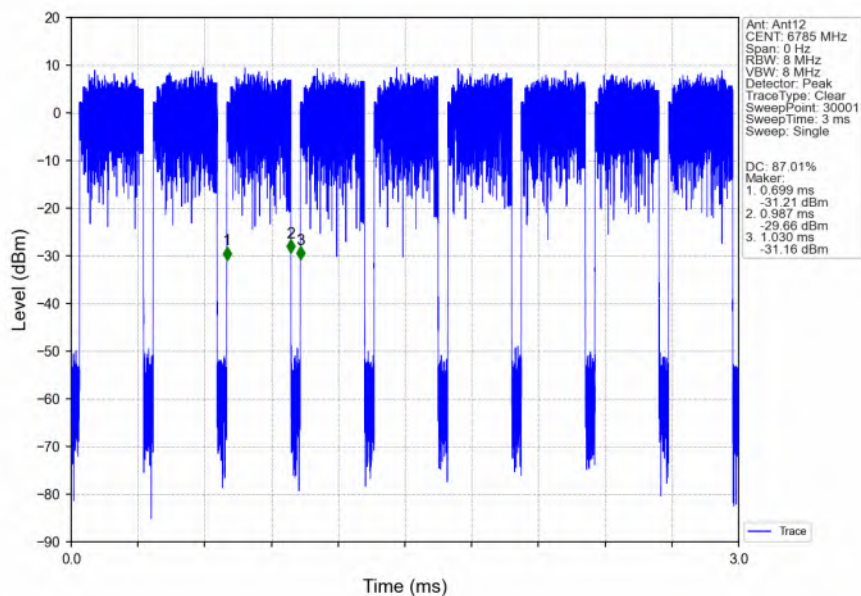
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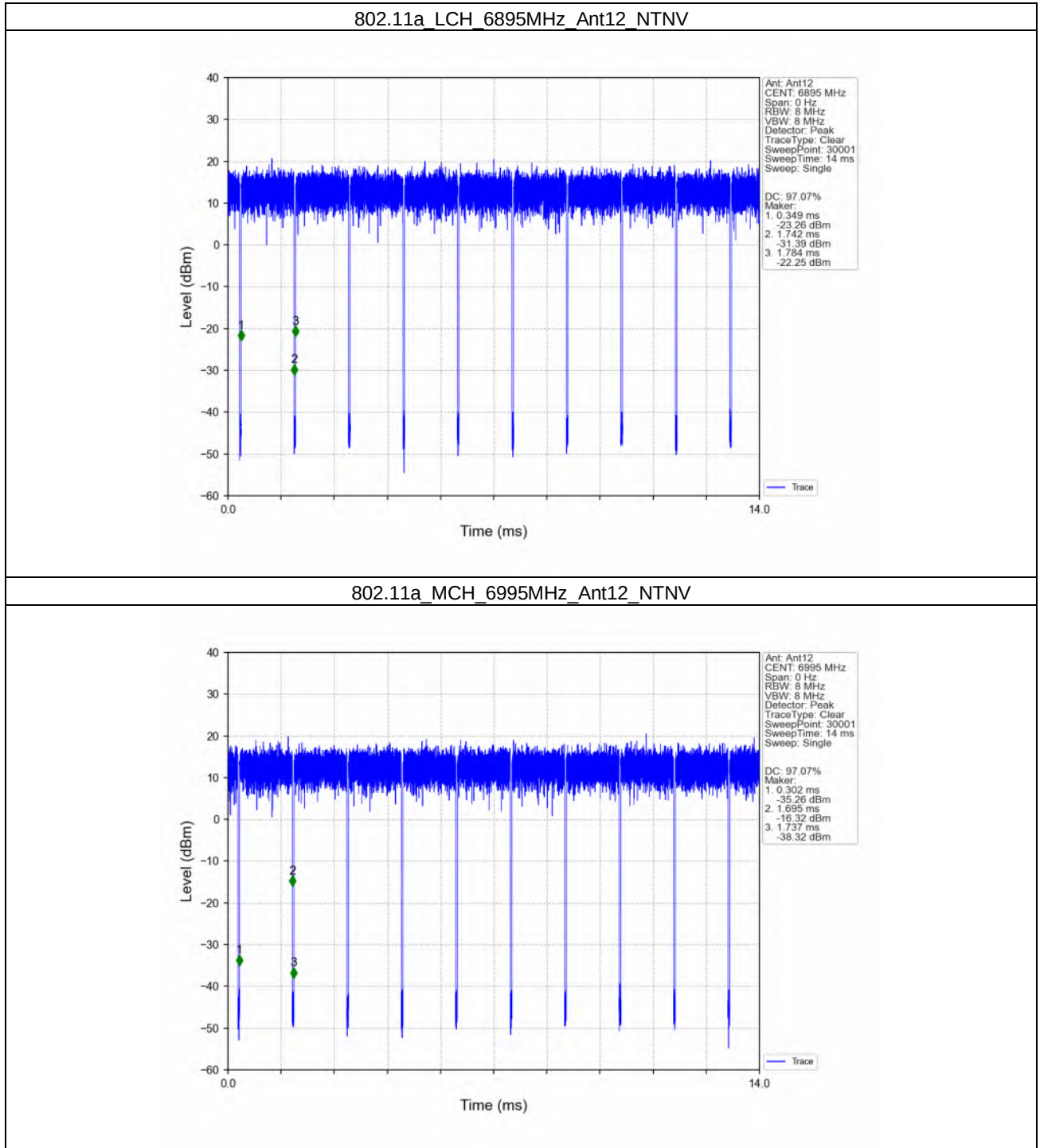
802.11ax(HEW80) MCH 6705MHz RU996 Left Ant12 NTNV



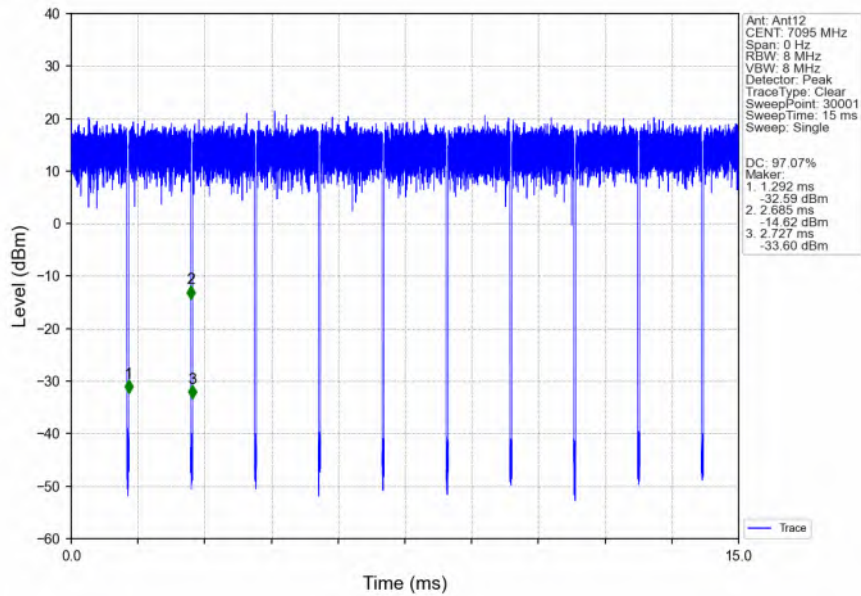
802.11ax(HEW80) HCH 6785MHz RU996 Left Ant12 NTNV



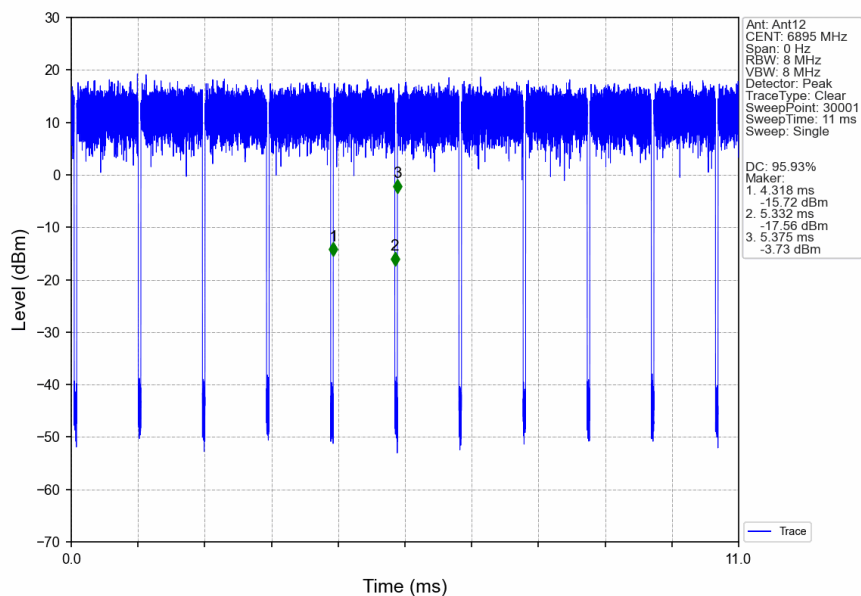
1.2.4 Ant12



802.11a_HCH_7095MHz_Ant12_NTNV



802.11ax(HEW20)_LCH_6895MHz_RU242_Left_Ant12_NTNV



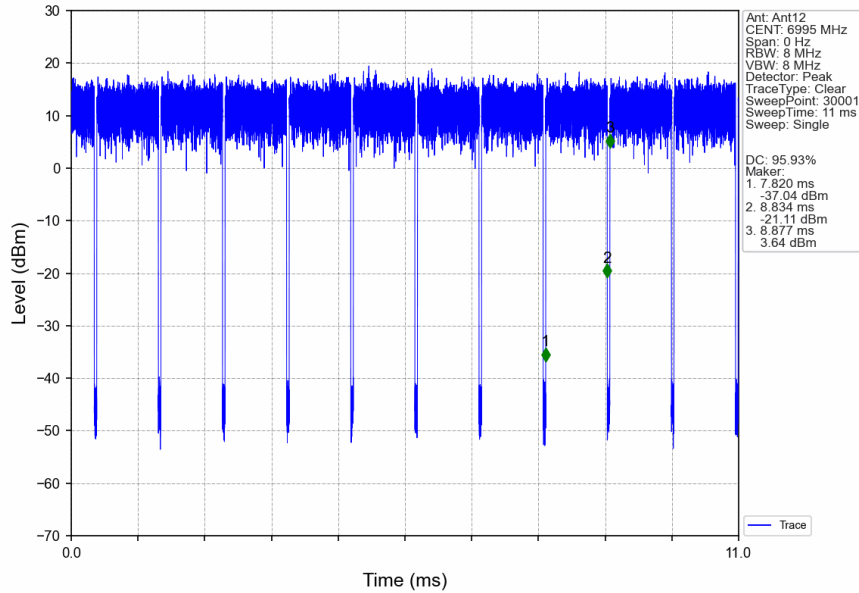
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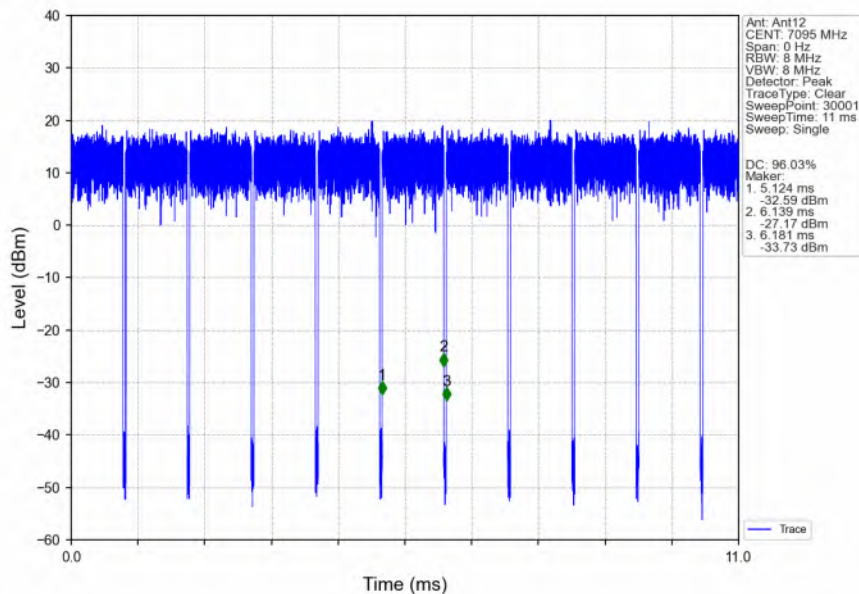
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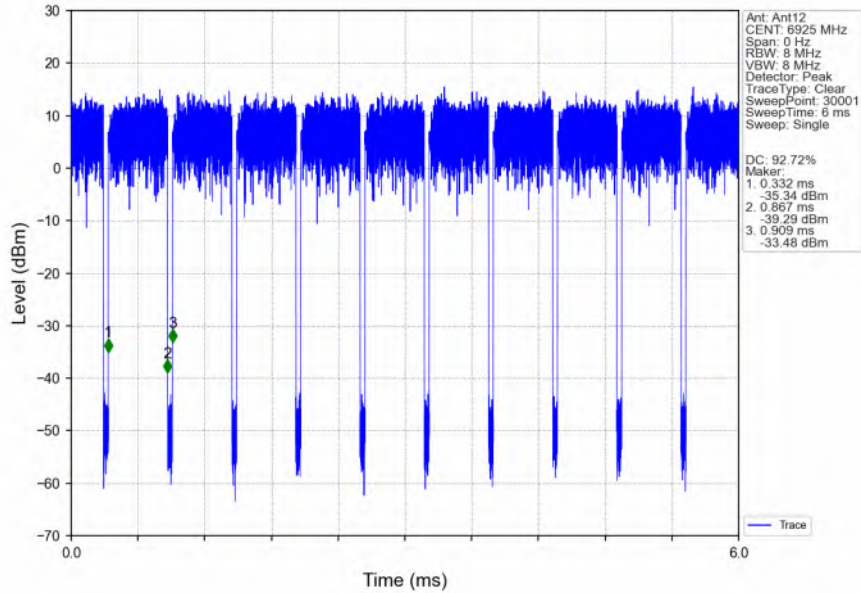
802.11ax(HEW20) MCH 6995MHz RU242 Left Ant12 NTNv



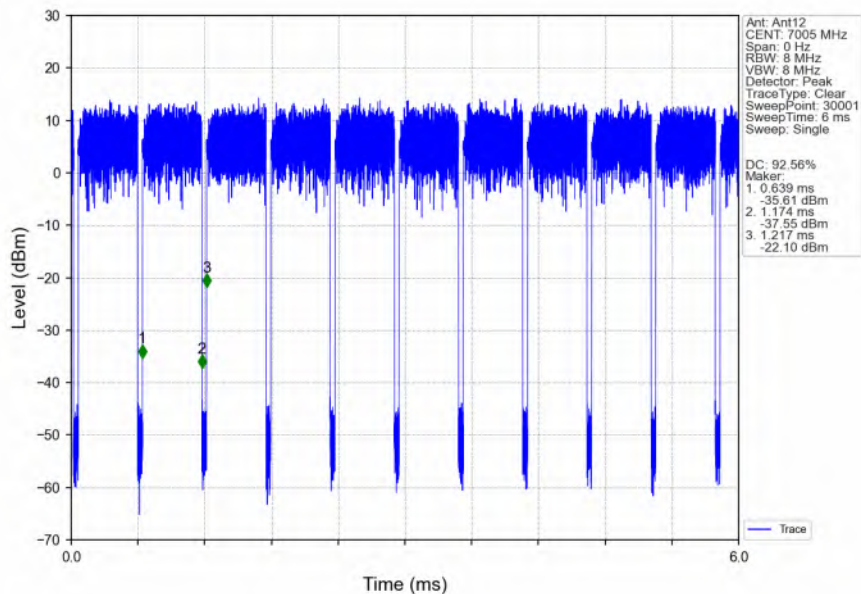
802.11ax(HEW20) HCH 7095MHz RU242 Left Ant12 NTNv



802.11ax(HEW40) LCH 6925MHz RU484 Left_Ant12 NTN



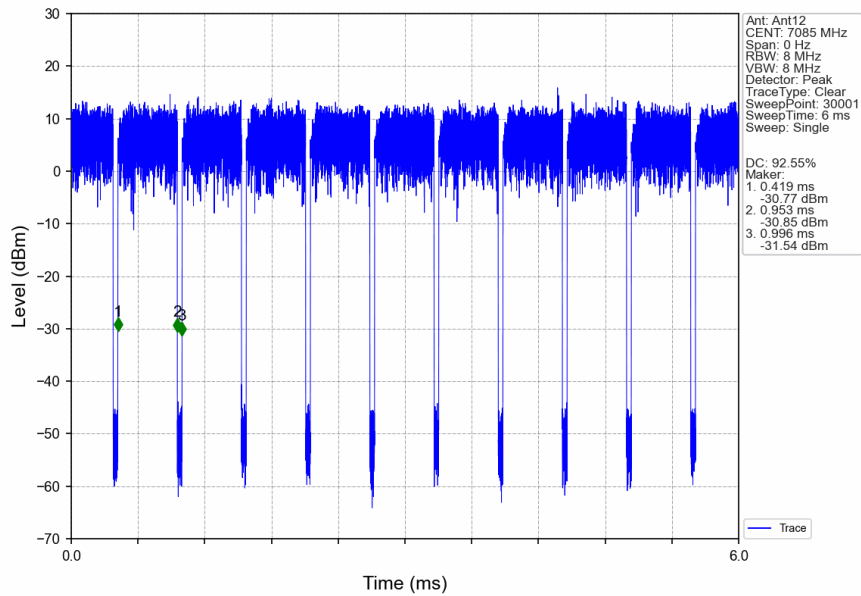
802.11ax(HEW40) MCH 7005MHz RU484 Left_Ant12 NTN



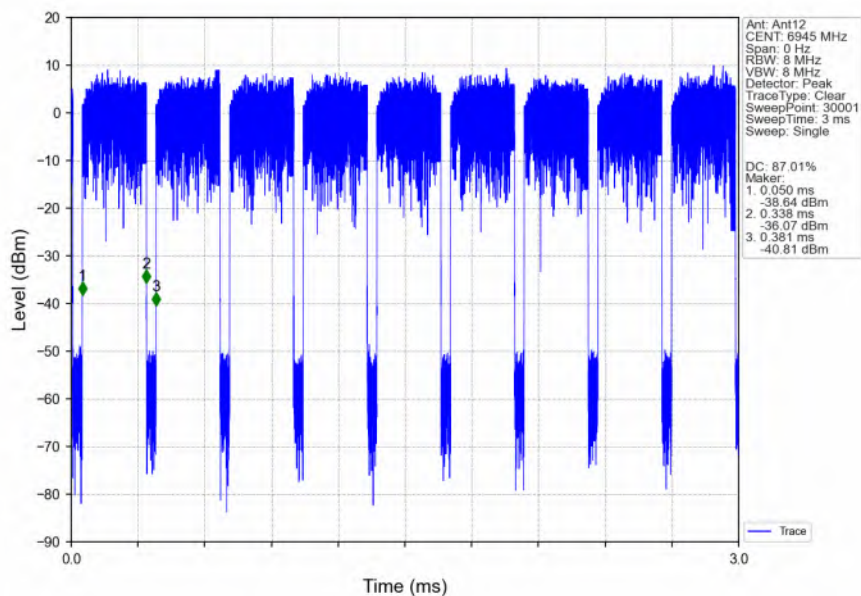
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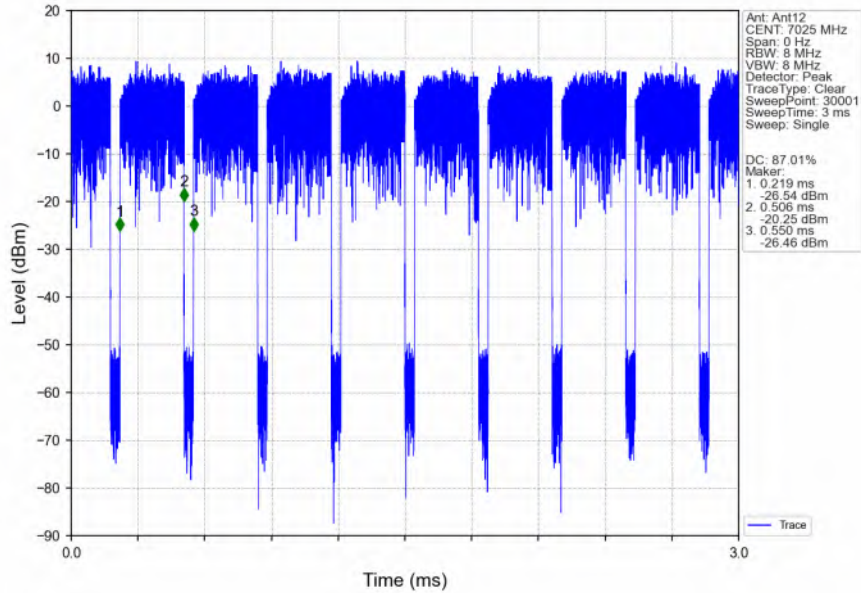
802.11ax(HEW40) HCH 7085MHz RU484 Left Ant12 NTN



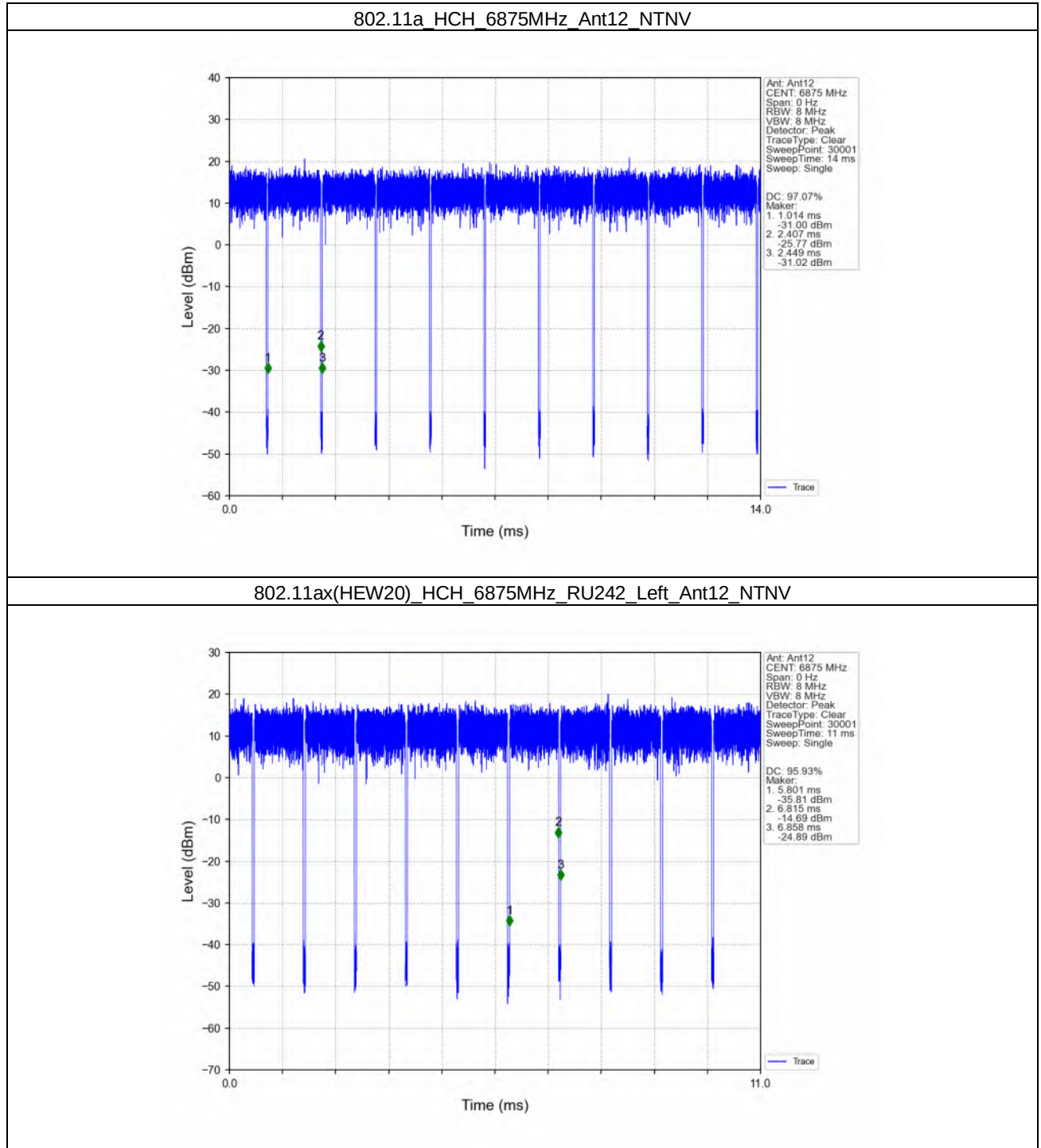
802.11ax(HEW80) LCH 6945MHz RU996 Left Ant12 NTN



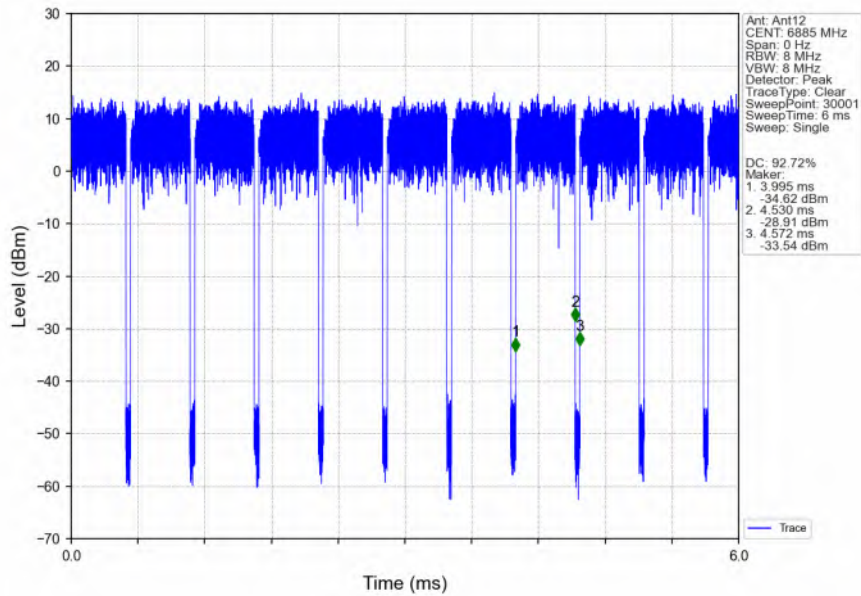
802.11ax(HEW80) HCH 7025MHz RU996 Left Ant12 NTV



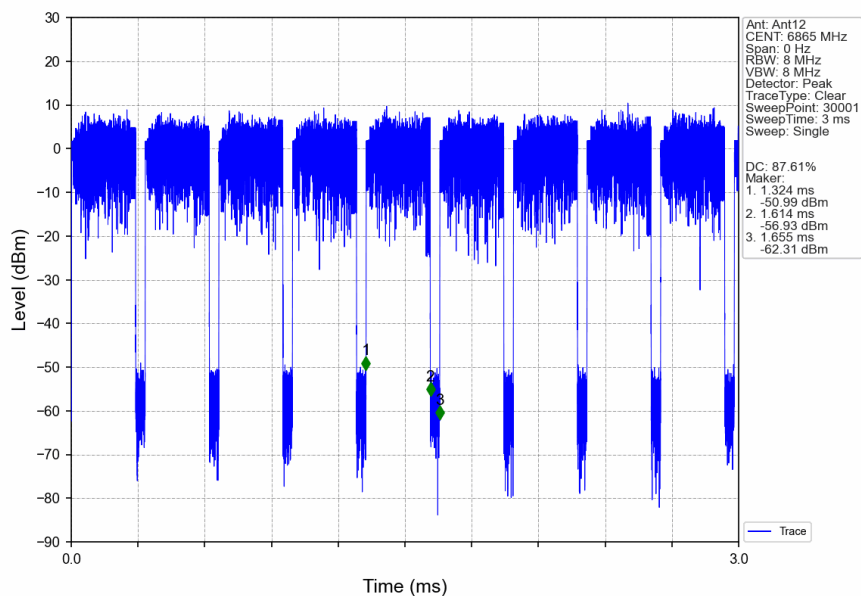
1.2.5 Ant12



802.11ax(HEW40) HCH 6885MHz RU484 Left Ant12 NTNv



802.11ax(HEW80) HCH 6865MHz RU996 Left Ant12 NTNv



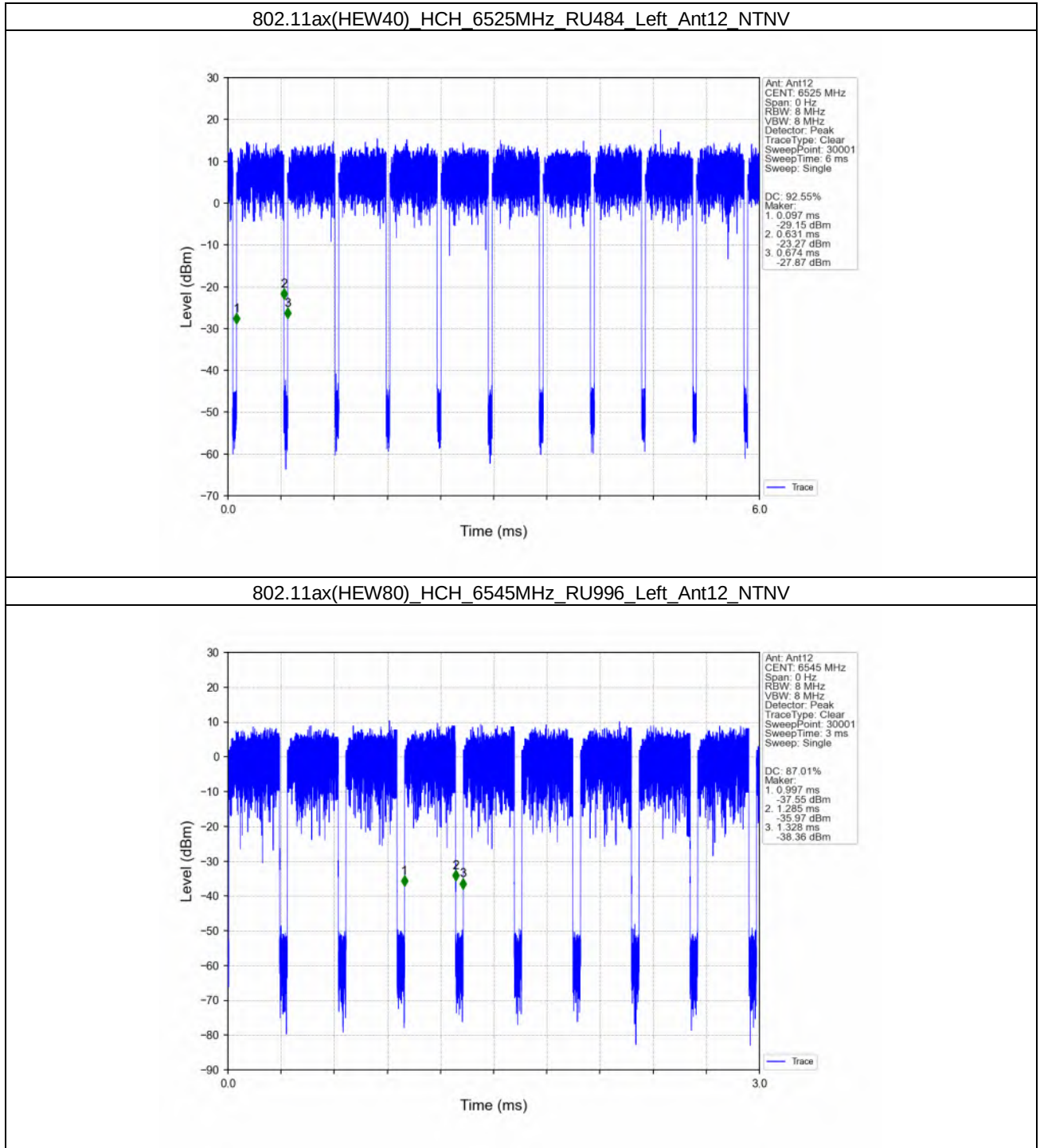
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1.2.6 Ant12



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	/	/	12	17.154	<=320	Pass
			6175	/	/	12	17.060	<=320	Pass
			6415	/	/	12	17.085	<=320	Pass
	802.11ax (HEW20)	MIMO	5955	RU242	Left	12	19.127	<=320	Pass
			6175	RU242	Left	12	19.072	<=320	Pass
			6415	RU242	Left	12	19.113	<=320	Pass
	802.11ax (HEW40)	MIMO	5965	RU484	Left	12	37.681	<=320	Pass
			6165	RU484	Left	12	37.669	<=320	Pass
			6405	RU484	Left	12	37.752	<=320	Pass
	802.11ax (HEW80)	MIMO	5985	RU996	Left	12	78.068	<=320	Pass
			6145	RU996	Left	12	77.987	<=320	Pass
			6385	RU996	Left	12	77.911	<=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	/	/	12	20.030	/	Pass
			6175	/	/	12	20.092	/	Pass
			6415	/	/	12	20.192	/	Pass
	802.11ax (HEW20)	MIMO	5955	RU242	Left	12	20.993	/	Pass
			6175	RU242	Left	12	21.155	/	Pass
			6415	RU242	Left	12	21.383	/	Pass
	802.11ax (HEW40)	MIMO	5965	RU484	Left	12	39.571	/	Pass
			6165	RU484	Left	12	39.666	/	Pass
			6405	RU484	Left	12	39.465	/	Pass
	802.11ax (HEW80)	MIMO	5985	RU996	Left	12	80.348	/	Pass
			6145	RU996	Left	12	80.278	/	Pass
			6385	RU996	Left	12	80.348	/	Pass

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	/	/	12	17.002	<=320	Pass
			6475	/	/	12	16.844	<=320	Pass



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SZEMC-TRF-01 Rev. A/2

Report No.: SZCR251000471507

Page: 152 of 669

	802.11ax (HEW20)	MIMO	6515	/	/	12	17.051	<=320	Pass
			6435	RU242	Left	12	19.065	<=320	Pass
			6475	RU242	Left	12	19.064	<=320	Pass
			6515	RU242	Left	12	19.103	<=320	Pass
	802.11ax (HEW40)	MIMO	6445	RU484	Left	12	37.712	<=320	Pass
			6485	RU484	Left	12	37.663	<=320	Pass
	802.11ax (HEW80)	MIMO	6465	RU996	Left	12	77.781	<=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	/	/	12	20.189	/	Pass
			6475	/	/	12	19.515	/	Pass
			6515	/	/	12	20.172	/	Pass
	802.11ax (HEW20)	MIMO	6435	RU242	Left	12	20.819	/	Pass
			6475	RU242	Left	12	21.145	/	Pass
			6515	RU242	Left	12	21.557	/	Pass
	802.11ax (HEW40)	MIMO	6445	RU484	Left	12	39.611	/	Pass
			6485	RU484	Left	12	39.482	/	Pass
	802.11ax (HEW80)	MIMO	6465	RU996	Left	12	80.540	/	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	/	/	12	16.882	<=320	Pass
			6695	/	/	12	16.847	<=320	Pass
			6855	/	/	12	16.822	<=320	Pass
	802.11ax (HEW20)	MIMO	6535	RU242	Left	12	19.041	<=320	Pass
			6695	RU242	Left	12	19.080	<=320	Pass
			6855	RU242	Left	12	19.110	<=320	Pass
	802.11ax (HEW40)	MIMO	6565	RU484	Left	12	37.732	<=320	Pass
			6685	RU484	Left	12	37.711	<=320	Pass
			6845	RU484	Left	12	37.778	<=320	Pass
	802.11ax (HEW80)	MIMO	6625	RU996	Left	12	77.857	<=320	Pass
			6705	RU996	Left	12	77.869	<=320	Pass
			6785	RU996	Left	12	77.963	<=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	/	/	12	19.503	/	Pass
			6695	/	/	12	19.969	/	Pass



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Report No.: SZCR251000471507

Page: 153 of 669

			6855	/	/	12	19.913	/	Pass
	802.11ax (HEW20)	MIMO	6535	RU242	Left	12	21.386	/	Pass
			6695	RU242	Left	12	21.175	/	Pass
			6855	RU242	Left	12	21.315	/	Pass
	802.11ax (HEW40)	MIMO	6565	RU484	Left	12	39.532	/	Pass
			6685	RU484	Left	12	39.520	/	Pass
			6845	RU484	Left	12	39.472	/	Pass
	802.11ax (HEW80)	MIMO	6625	RU996	Left	12	80.576	/	Pass
			6705	RU996	Left	12	80.412	/	Pass
			6785	RU996	Left	12	80.696	/	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	/	/	12	17.102	<=320	Pass
			6995	/	/	12	17.132	<=320	Pass
			7095	/	/	12	16.870	<=320	Pass
	802.11ax (HEW20)	MIMO	6895	RU242	Left	12	19.120	<=320	Pass
			6995	RU242	Left	12	19.018	<=320	Pass
			7095	RU242	Left	12	19.072	<=320	Pass
	802.11ax (HEW40)	MIMO	6925	RU484	Left	12	37.814	<=320	Pass
			7005	RU484	Left	12	37.736	<=320	Pass
			7085	RU484	Left	12	37.785	<=320	Pass
	802.11ax (HEW80)	MIMO	6945	RU996	Left	12	77.811	<=320	Pass
			7025	RU996	Left	12	77.836	<=320	Pass

2.1.8 26dB BW

ENV	Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	26dB Bandwidth (MHz)		Verdict
							Result	Limit	
NTNV	802.11a	SISO	6895	/	/	12	20.384	/	Pass
			6995	/	/	12	20.026	/	Pass
			7095	/	/	12	20.605	/	Pass
	802.11ax (HEW20)	MIMO	6895	RU242	Left	12	21.287	/	Pass
			6995	RU242	Left	12	21.057	/	Pass
			7095	RU242	Left	12	21.083	/	Pass
	802.11ax (HEW40)	MIMO	6925	RU484	Left	12	39.490	/	Pass
			7005	RU484	Left	12	39.717	/	Pass
			7085	RU484	Left	12	39.516	/	Pass
	802.11ax (HEW80)	MIMO	6945	RU996	Left	12	80.326	/	Pass
			7025	RU996	Left	12	80.529	/	Pass

2.1.9 OBW

ENV	Mode	TX	Frequency	RU	RU	ANT	99% Occupied Bandwidth (MHz)	Verdict
-----	------	----	-----------	----	----	-----	------------------------------	---------



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SZEMC-TRF-01 Rev. A/2

Report No.: SZCR251000471507

Page: 154 of 669

		Type	(MHz)		Pos		Result	Limit	
NTNV	802.11a	SISO	6875	/	/	12	17.134	<=320	Pass
	802.11ax (HEW20)	MIMO	6875	RU242	Left	12	19.177	<=320	Pass
	802.11ax (HEW40)	MIMO	6885	RU484	Left	12	37.816	<=320	Pass
	802.11ax (HEW80)	MIMO	6865	RU996	Left	12	77.990	<=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	/	/	12	20.046	/	Pass
	802.11ax (HEW20)	MIMO	6875	RU242	Left	12	21.445	/	Pass
	802.11ax (HEW40)	MIMO	6885	RU484	Left	12	39.489	/	Pass
	802.11ax (HEW80)	MIMO	6865	RU996	Left	12	80.378	/	Pass

2.1.11 OBW

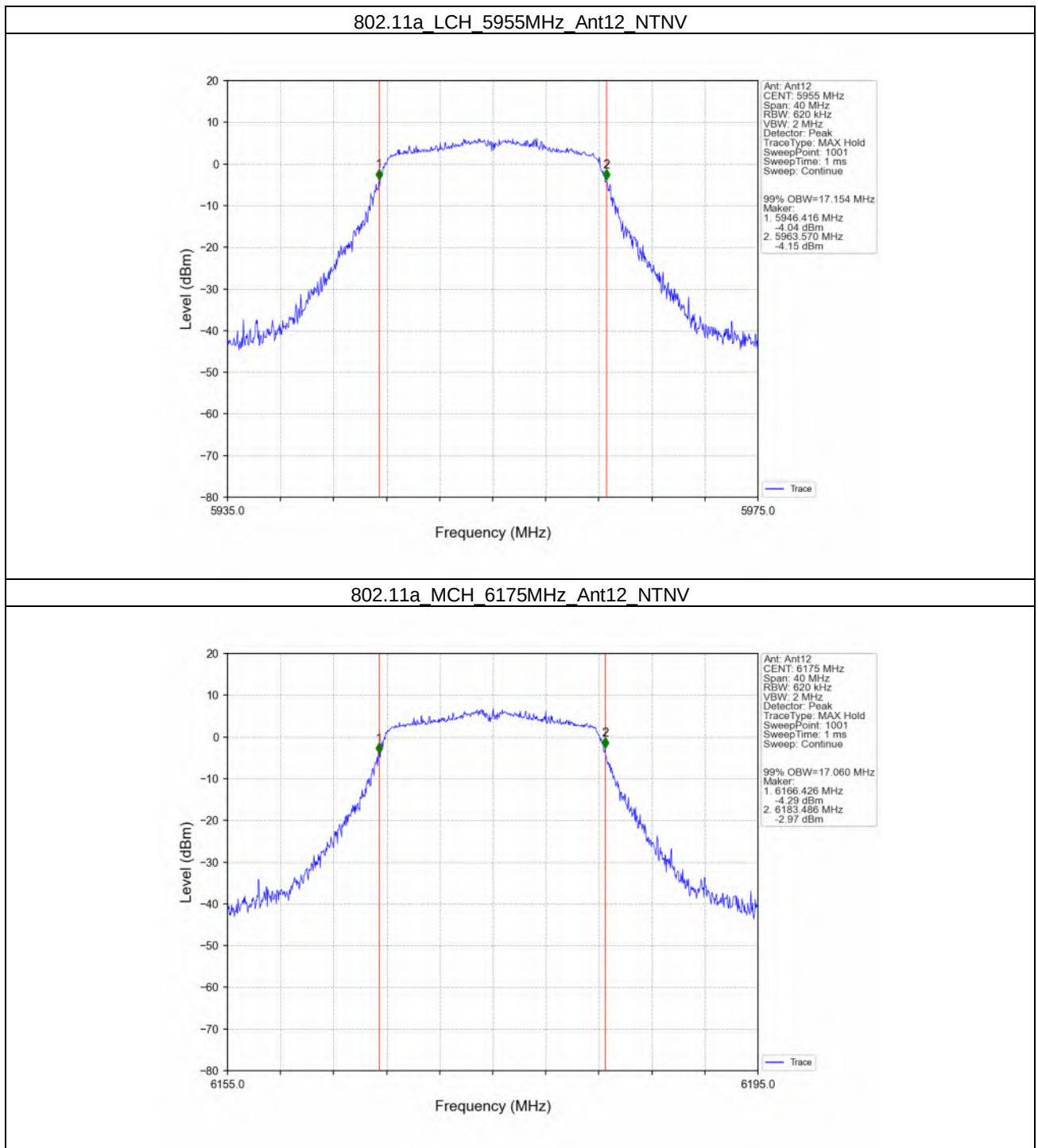
ENV	Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	99% Occupied Bandwidth (MHz)		Verdict
							Result	Limit	
NTNV	802.11ax (HEW40)	MIMO	6525	RU484	Left	12	37.749	<=320	Pass
	802.11ax (HEW80)	MIMO	6545	RU996	Left	12	77.906	<=320	Pass

2.1.12 26dB BW

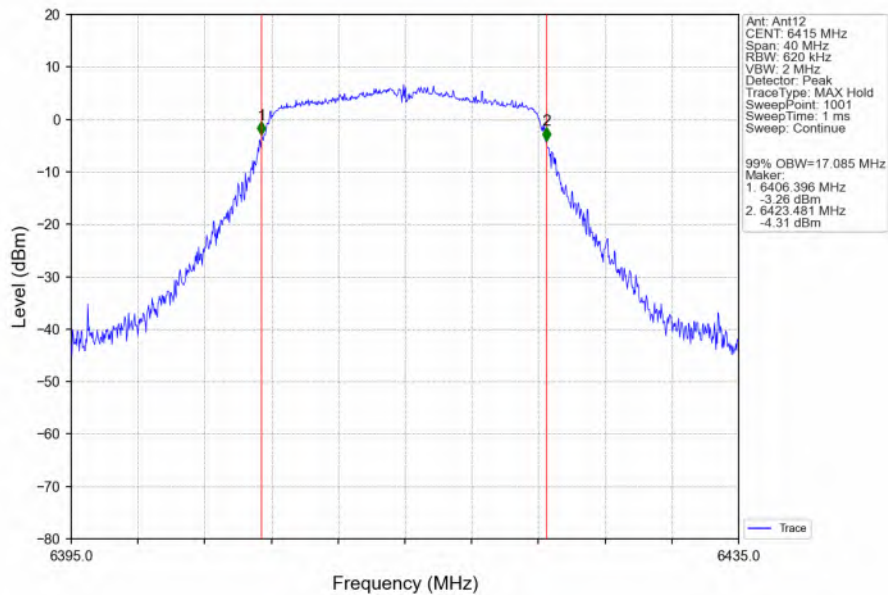
ENV	Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	26dB Bandwidth (MHz)		Verdict
							Result	Limit	
NTNV	802.11ax (HEW40)	MIMO	6525	RU484	Left	12	39.505	/	Pass
	802.11ax (HEW80)	MIMO	6545	RU996	Left	12	80.530	/	Pass

2.2 Test Graph

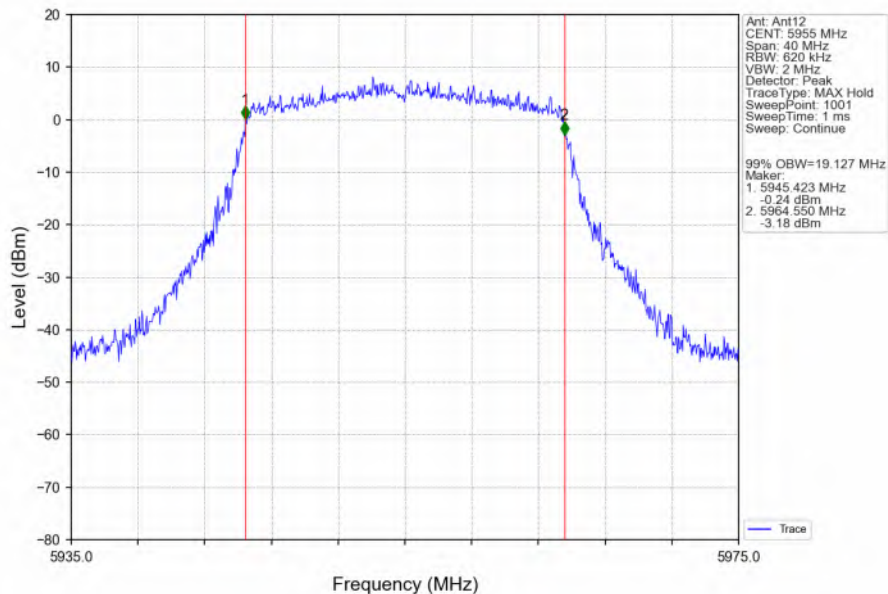
2.2.1 OBW



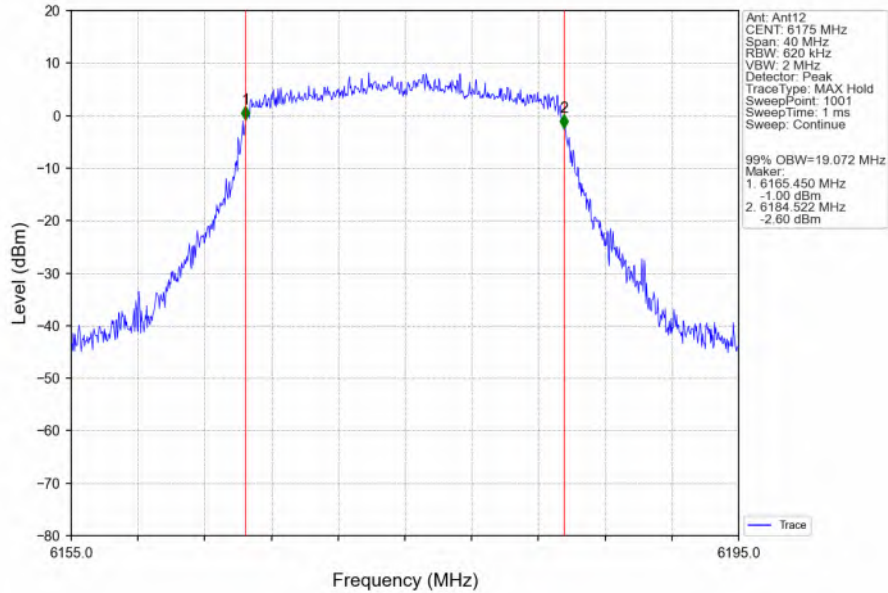
802.11a_HCH_6415MHz_Ant12_NTNV



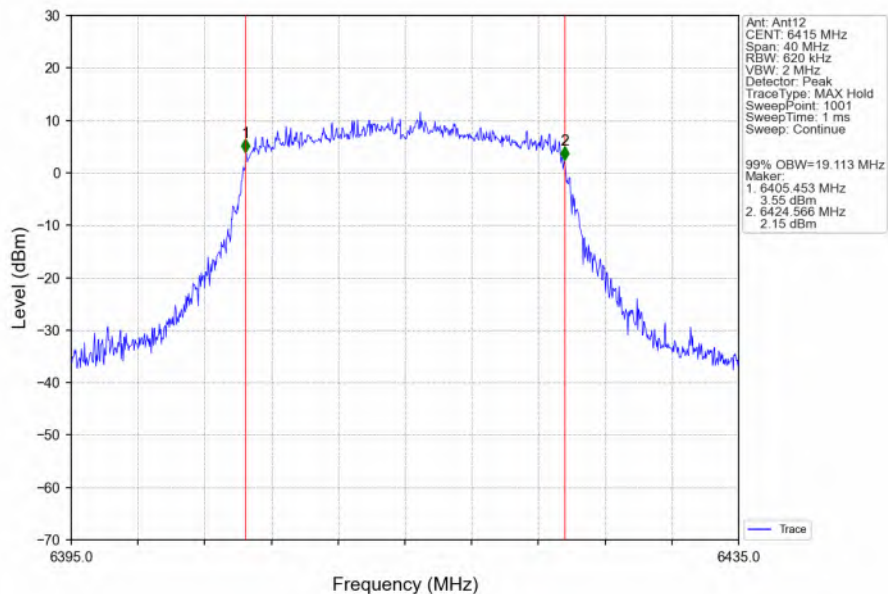
802.11ax(HEW20)_LCH_5955MHz_RU242_Left_Ant12_NTNV



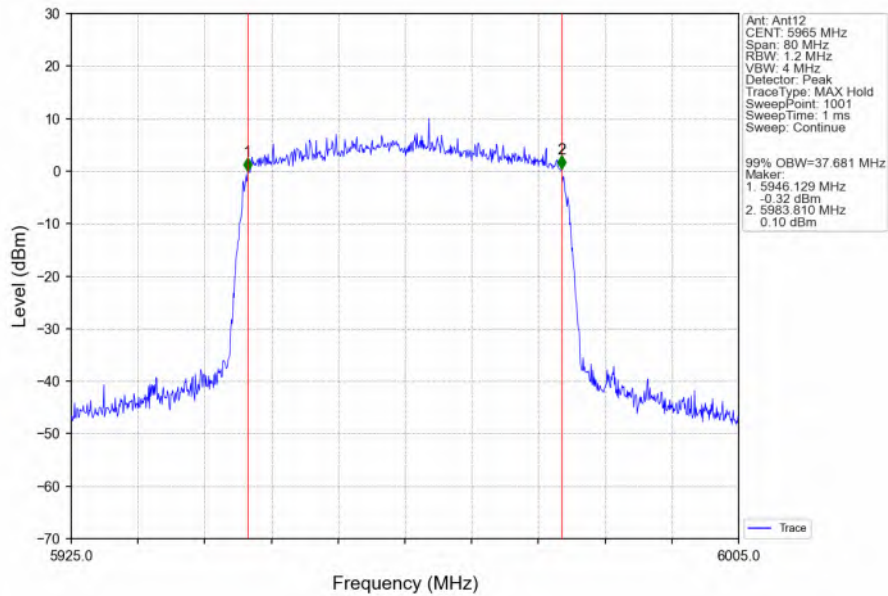
802.11ax(HEW20) MCH 6175MHz RU242 Left Ant12 NTNW



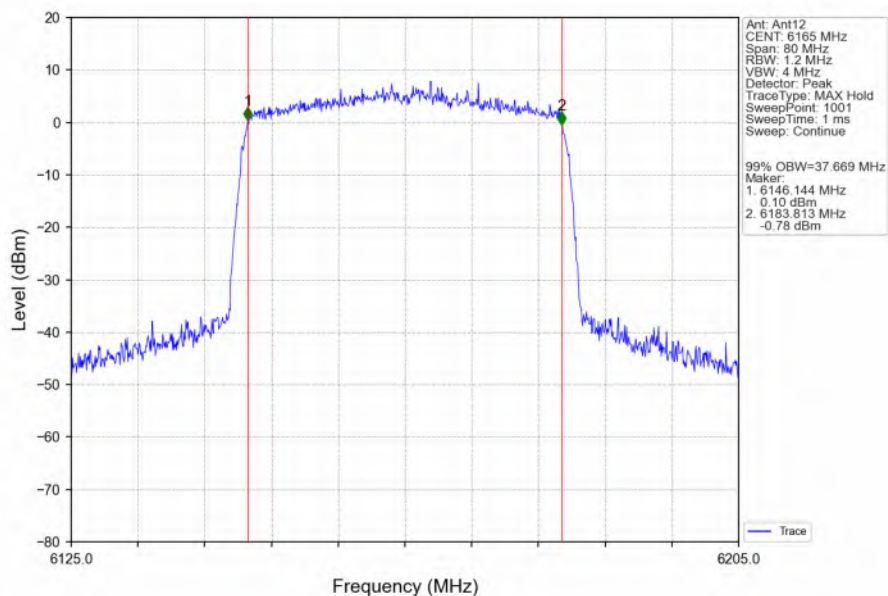
802.11ax(HEW20) HCH 6415MHz RU242 Left Ant12 NTNW



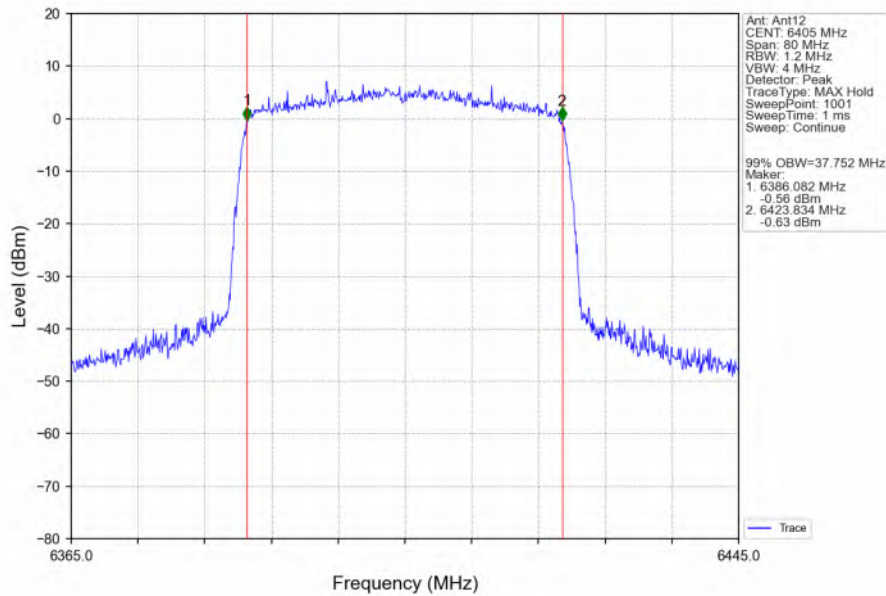
802.11ax(HEW40) LCH 5965MHz RU484 Left Ant12 NTN



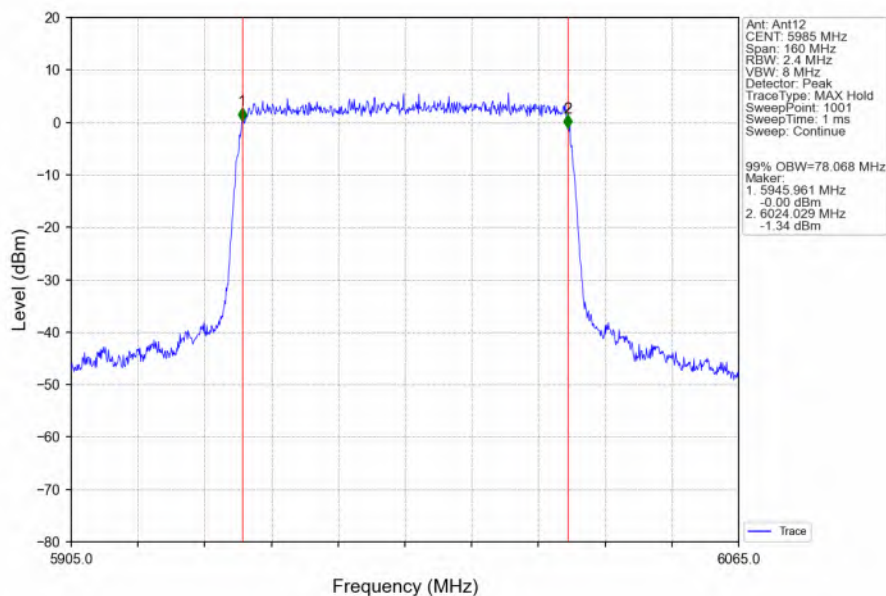
802.11ax(HEW40) MCH 6165MHz RU484 Left Ant12 NTN



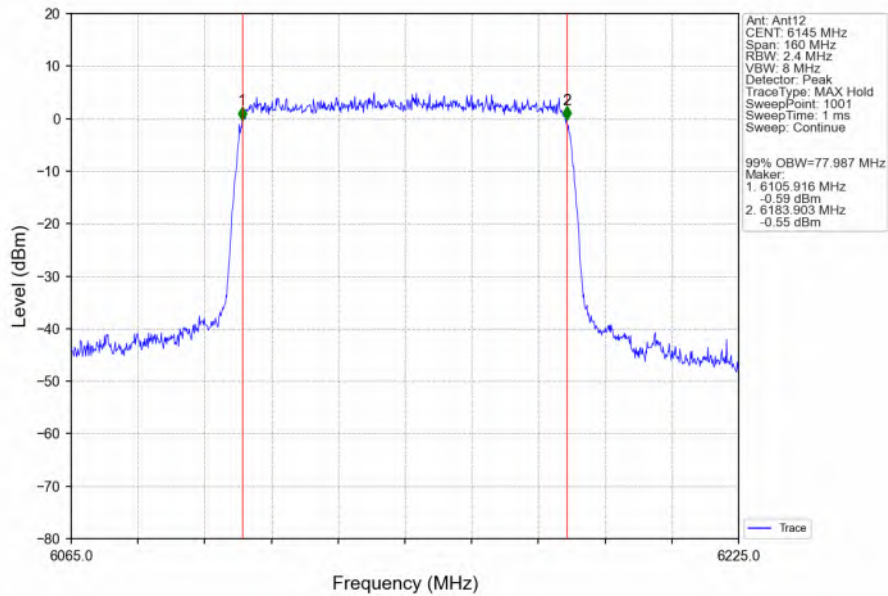
802.11ax(HEW40) HCH 6405MHz RU484 Left Ant12 NTN



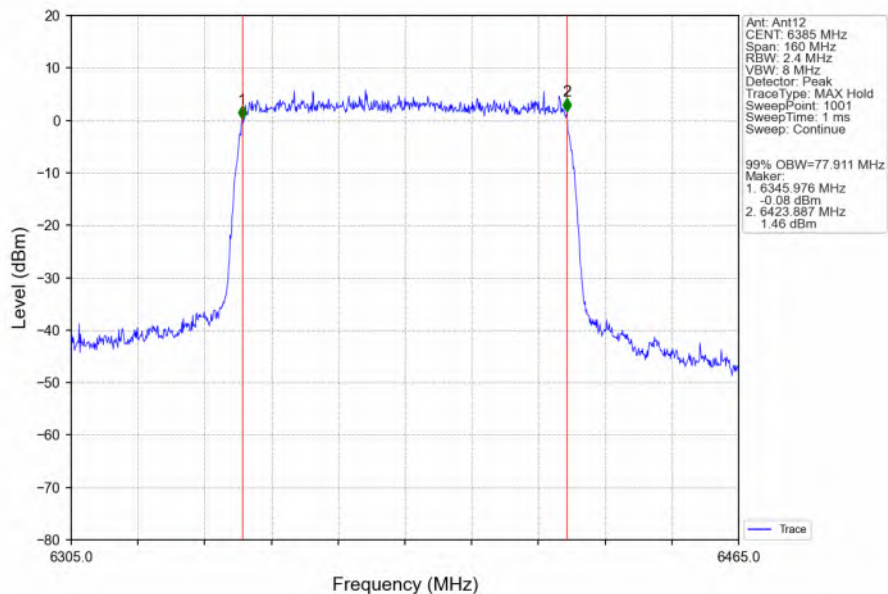
802.11ax(HEW80) LCH 5985MHz RU996 Left Ant12 NTN



802.11ax(HEW80) MCH 6145MHz RU996 Left Ant12 NTN



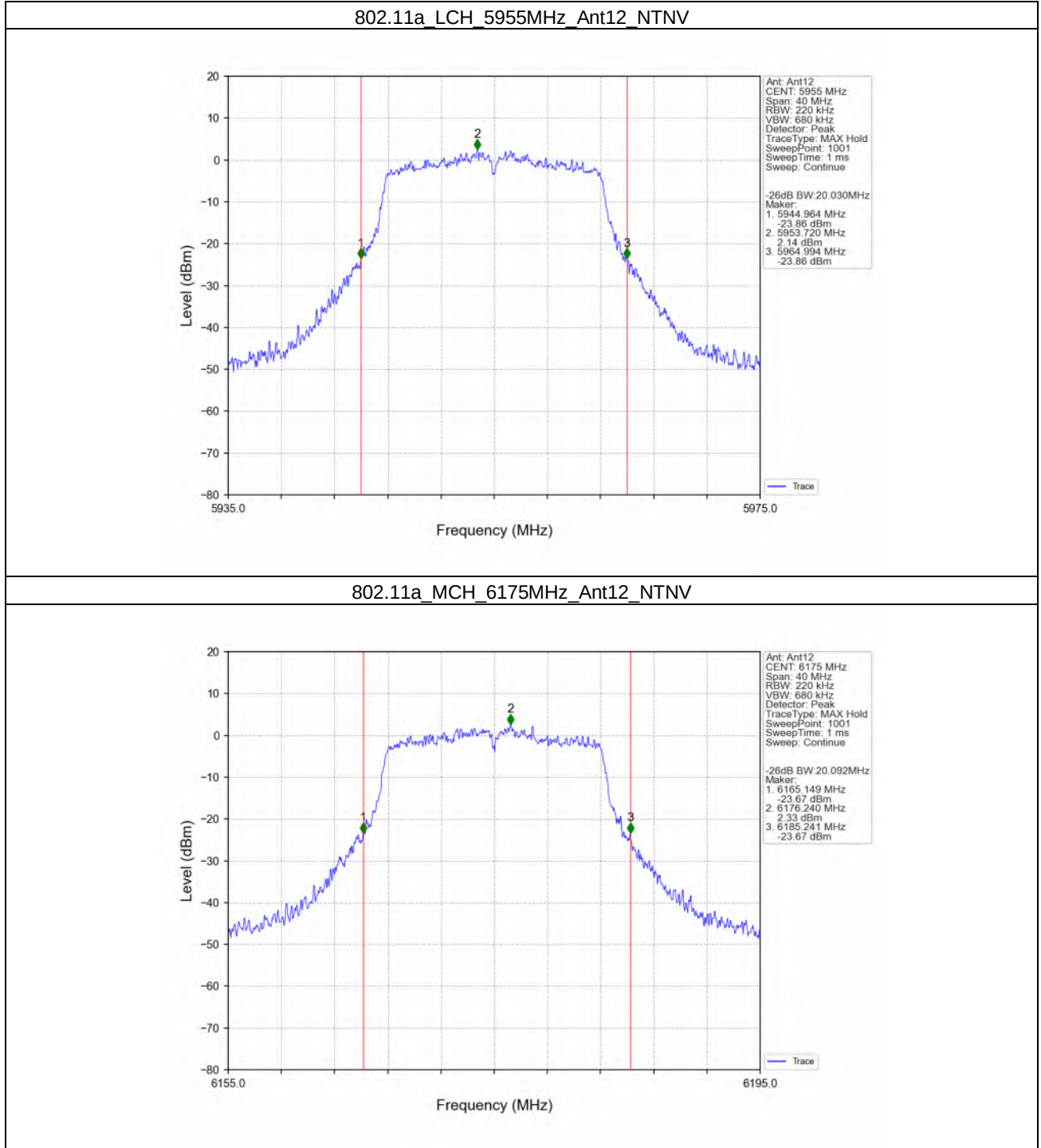
802.11ax(HEW80) HCH 6385MHz RU996 Left Ant12 NTN



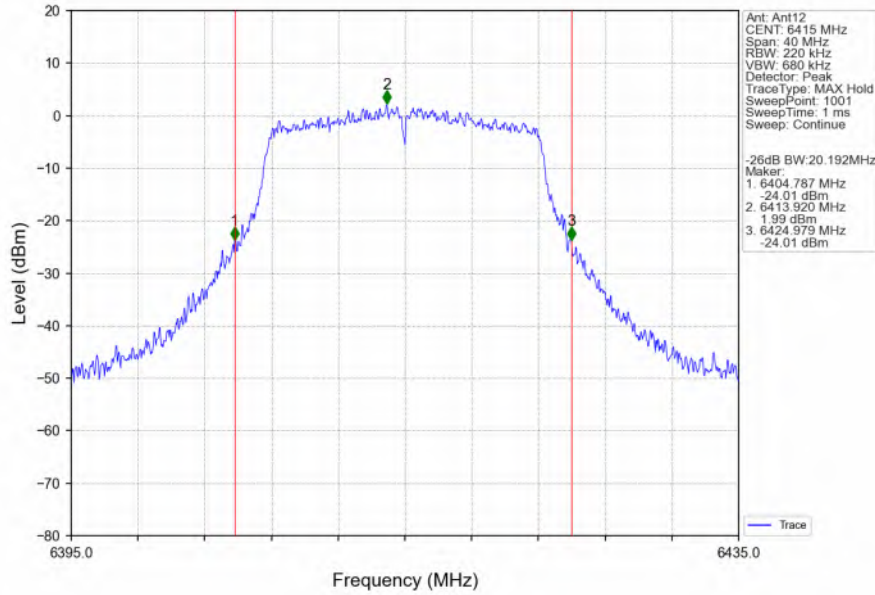
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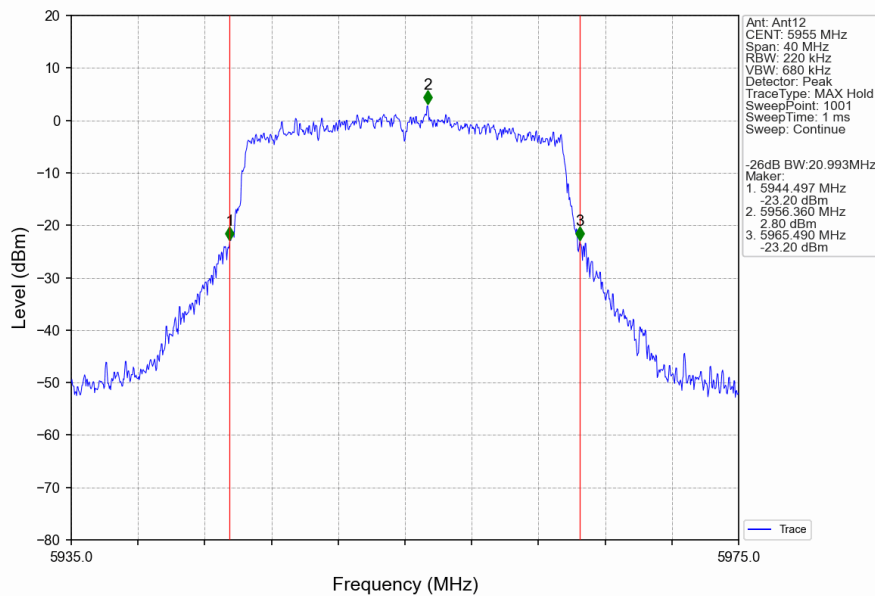
2.2.2 26dB BW



802.11a_HCH_6415MHz_Ant12_NTNV



802.11ax(HEW20)_LCH_5955MHz_RU242_Left_Ant12_NTNV



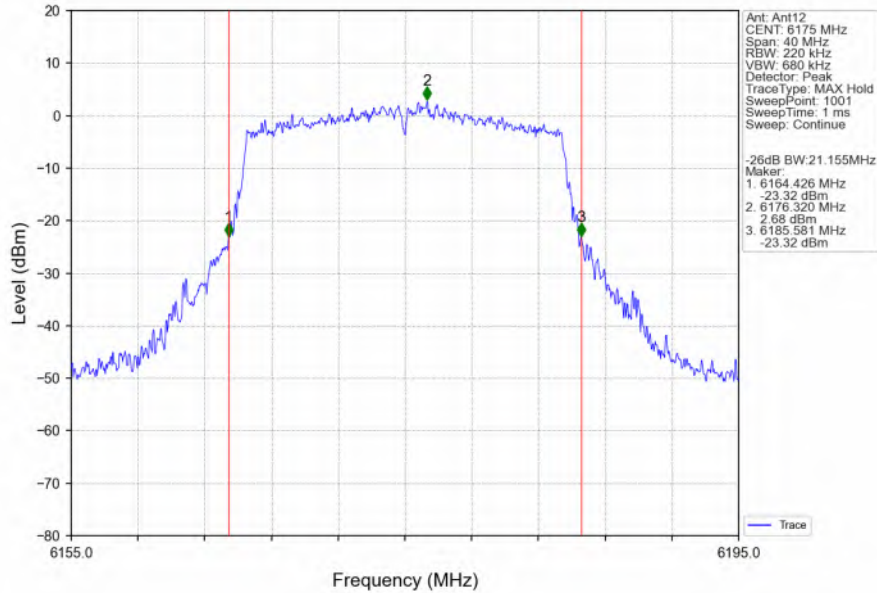
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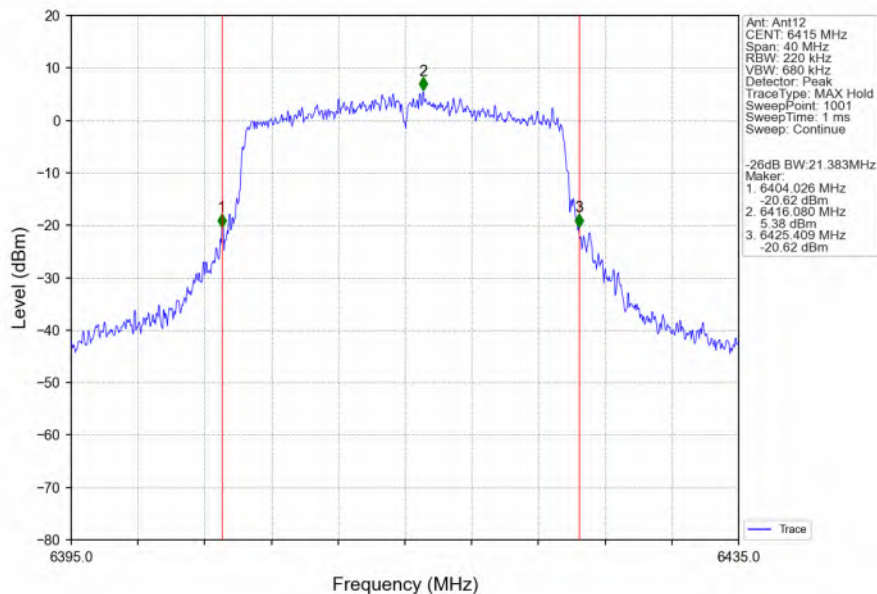
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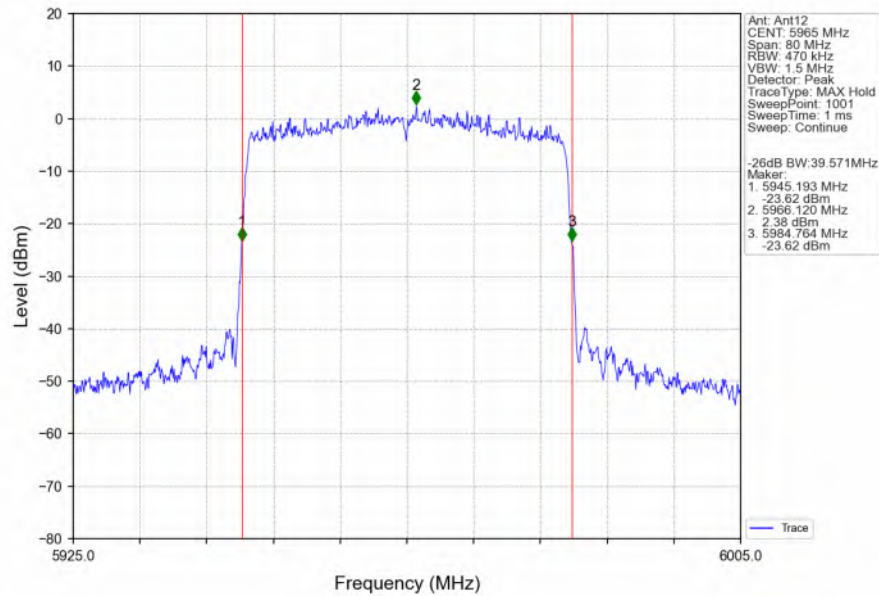
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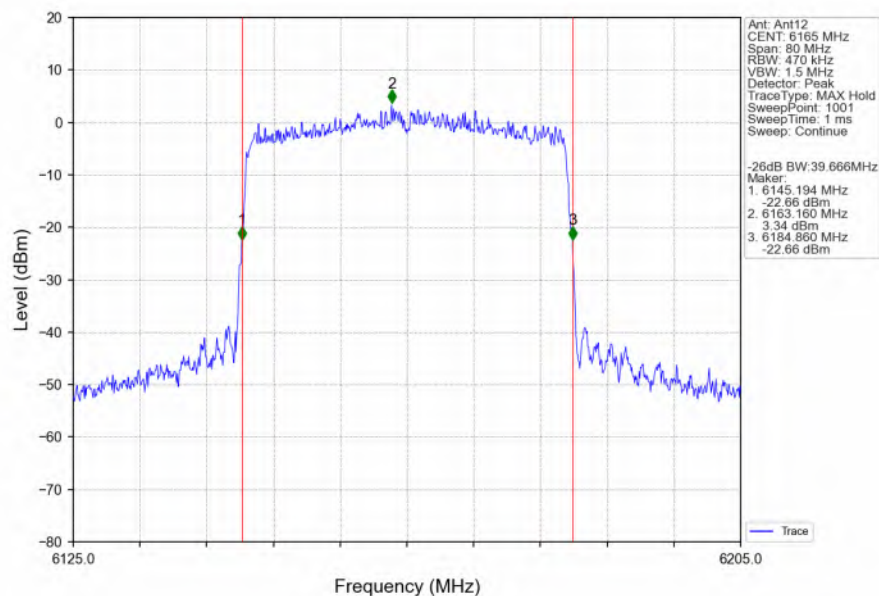
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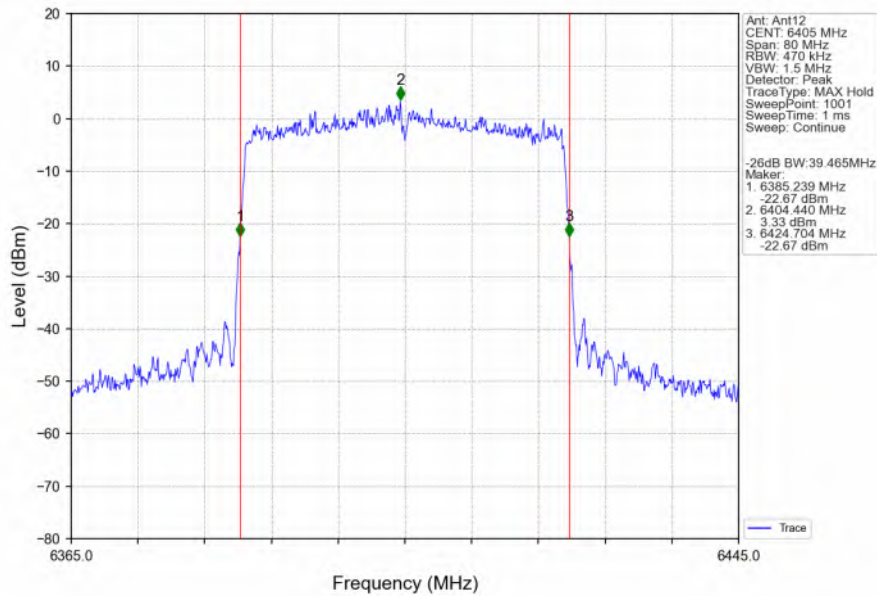
802.11ax(HEW40) LCH 5965MHz RU484 Left Ant12 NTN



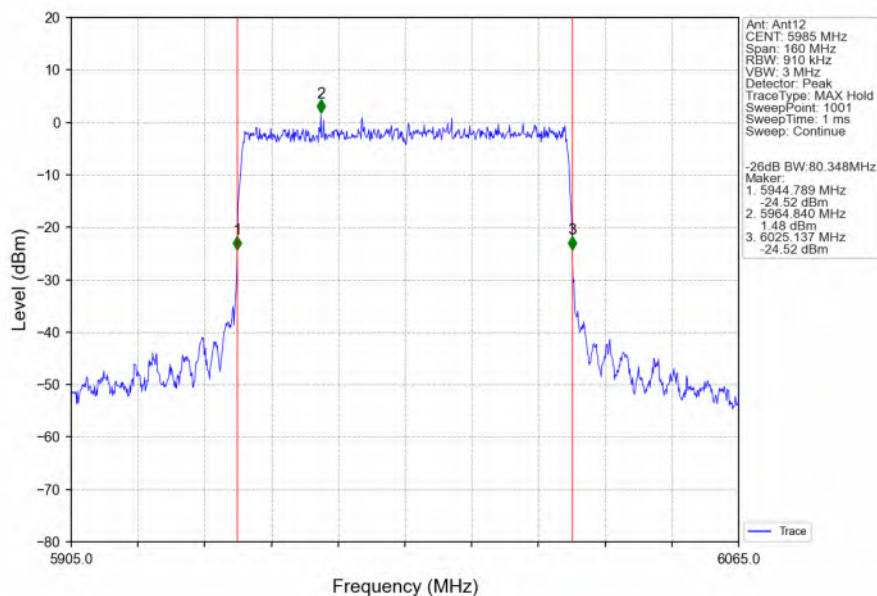
802.11ax(HEW40) MCH 6165MHz RU484 Left Ant12 NTN



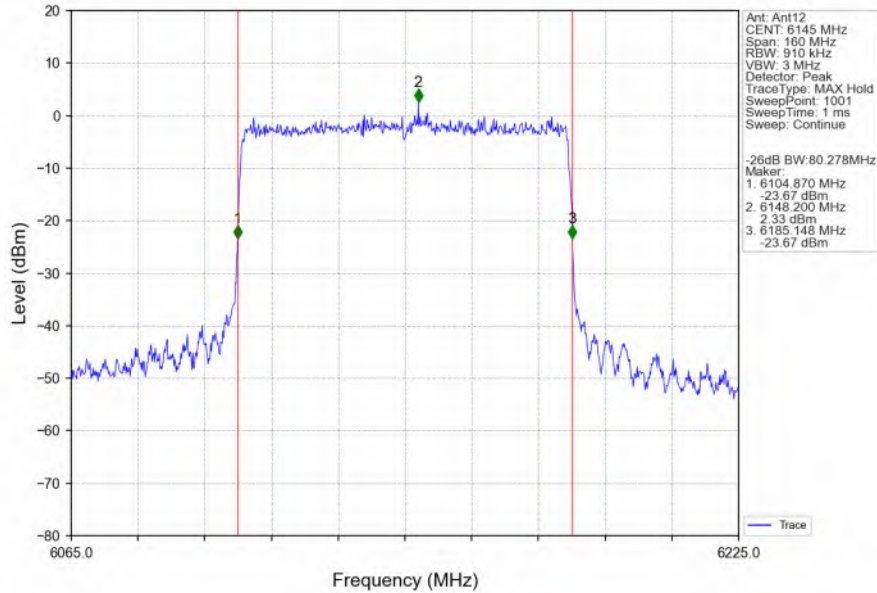
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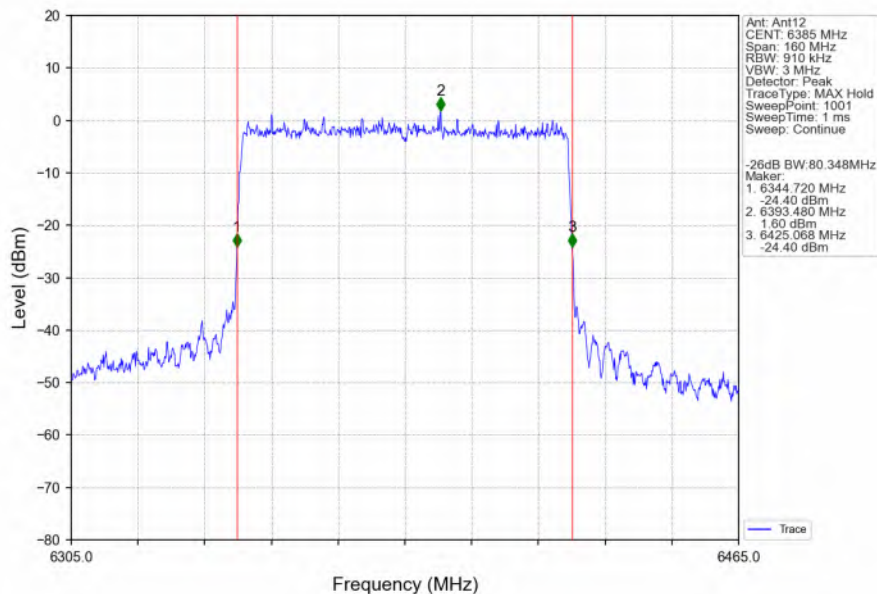
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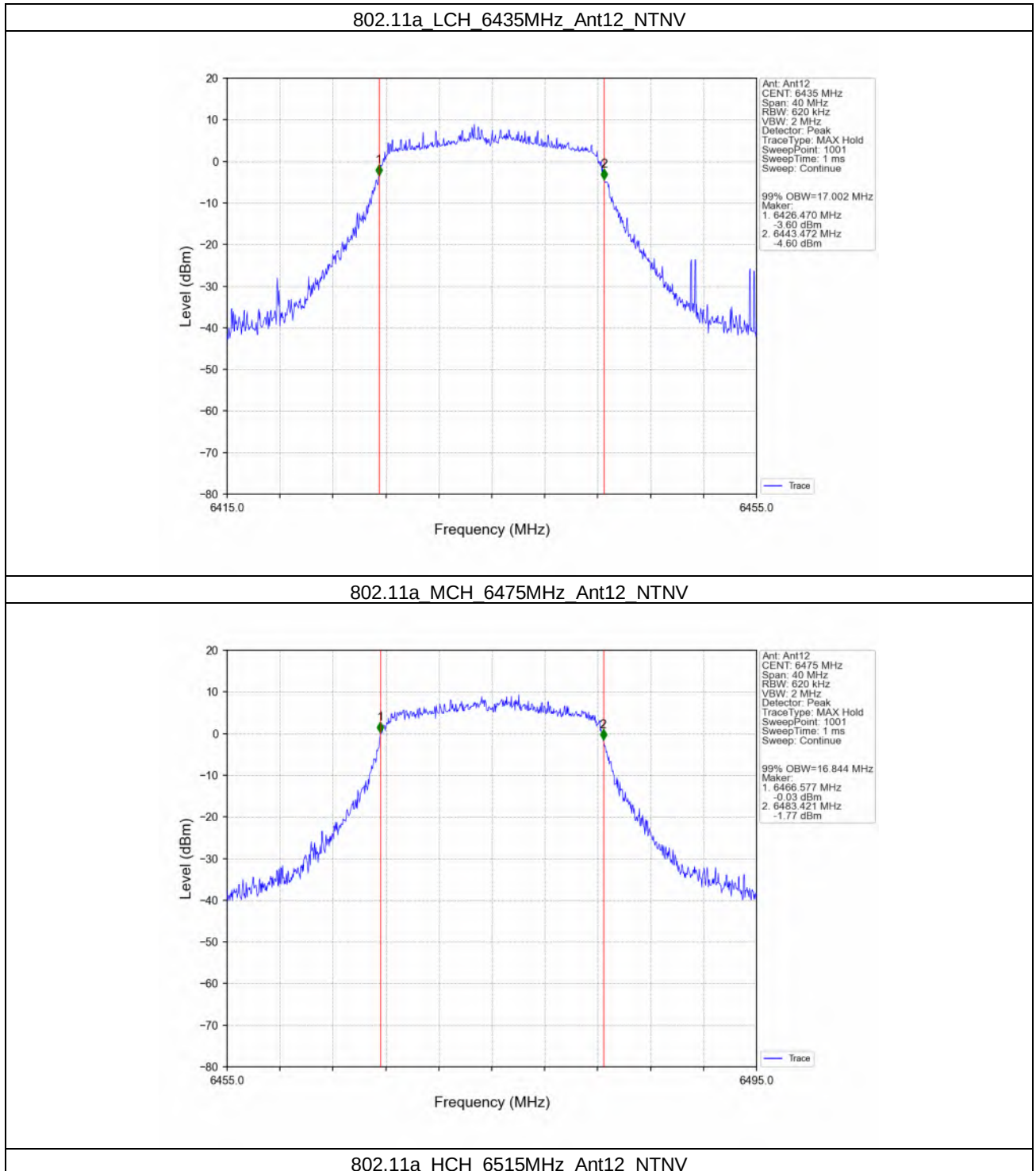
802.11ax(HEW80) MCH 6145MHz RU996 Left Ant12 NTN

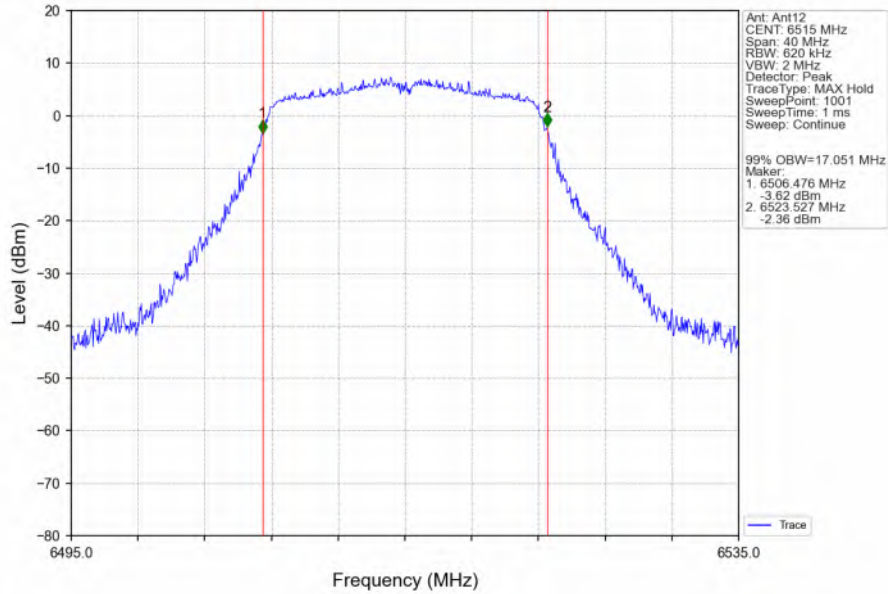


802.11ax(HEW80) HCH 6385MHz RU996 Left Ant12 NTN

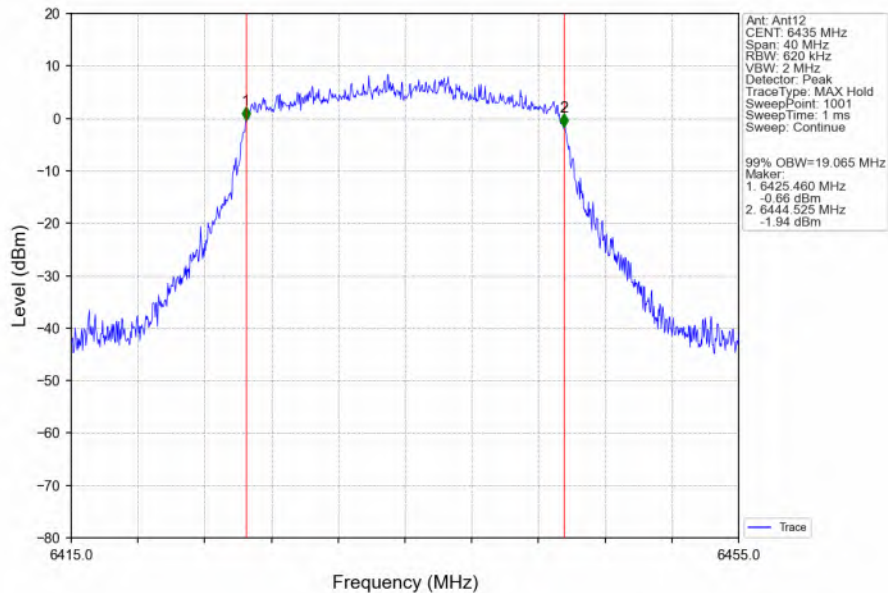


2.2.3 OBW





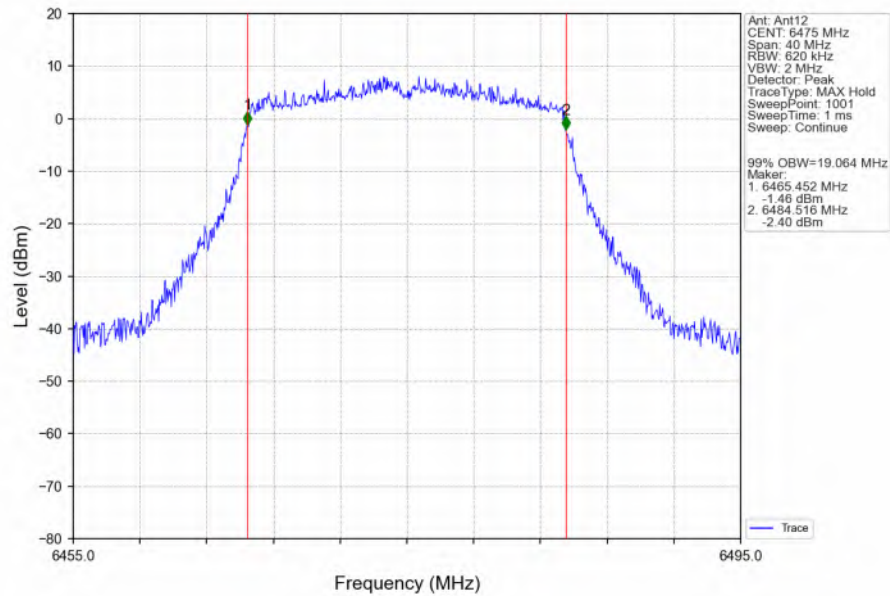
802.11ax(HEW20) LCH 6435MHz RU242 Left Ant12 NTN



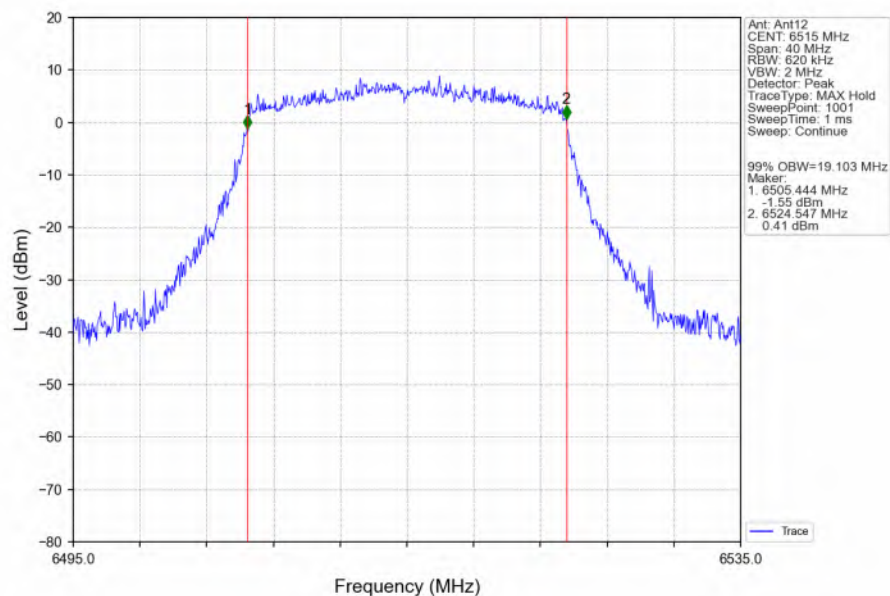
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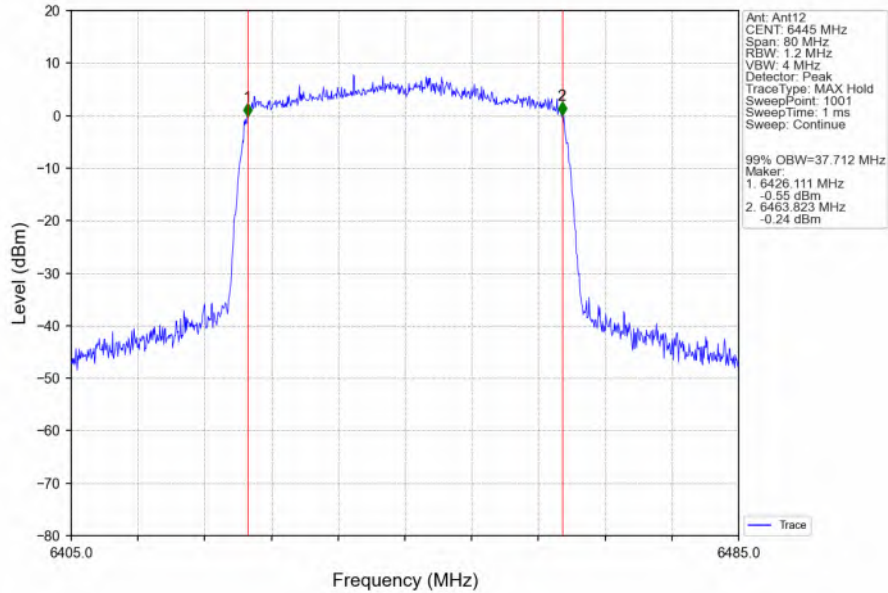
802.11ax(HEW20) MCH 6475MHz RU242 Left Ant12 NTNW



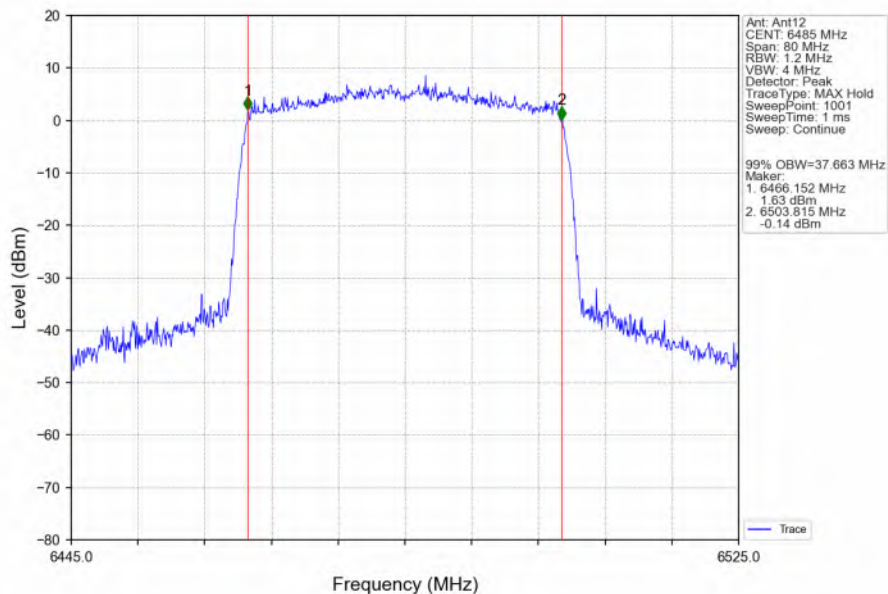
802.11ax(HEW20) HCH 6515MHz RU242 Left Ant12 NTNW



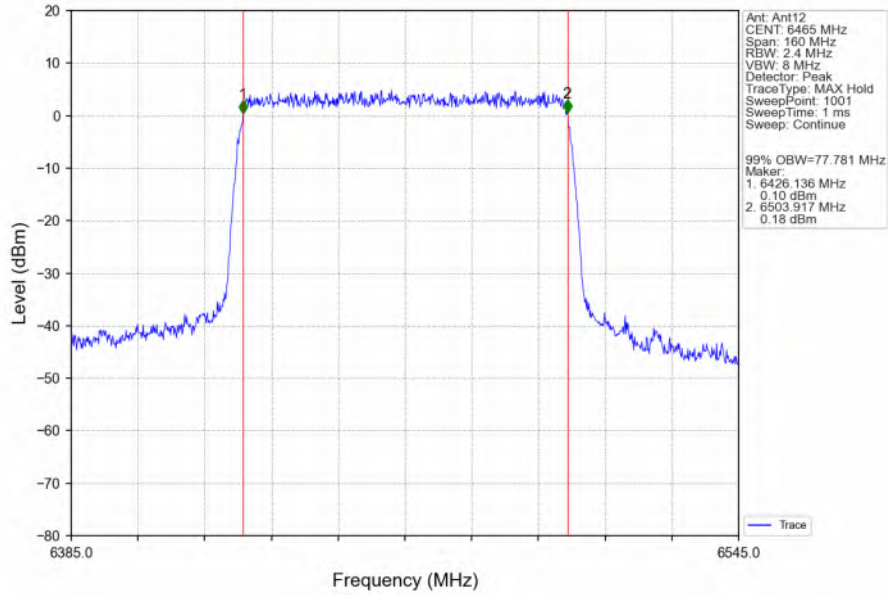
802.11ax(HEW40) LCH 6445MHz RU484 Left Ant12 NTN



802.11ax(HEW40) MCH 6485MHz RU484 Left Ant12 NTN



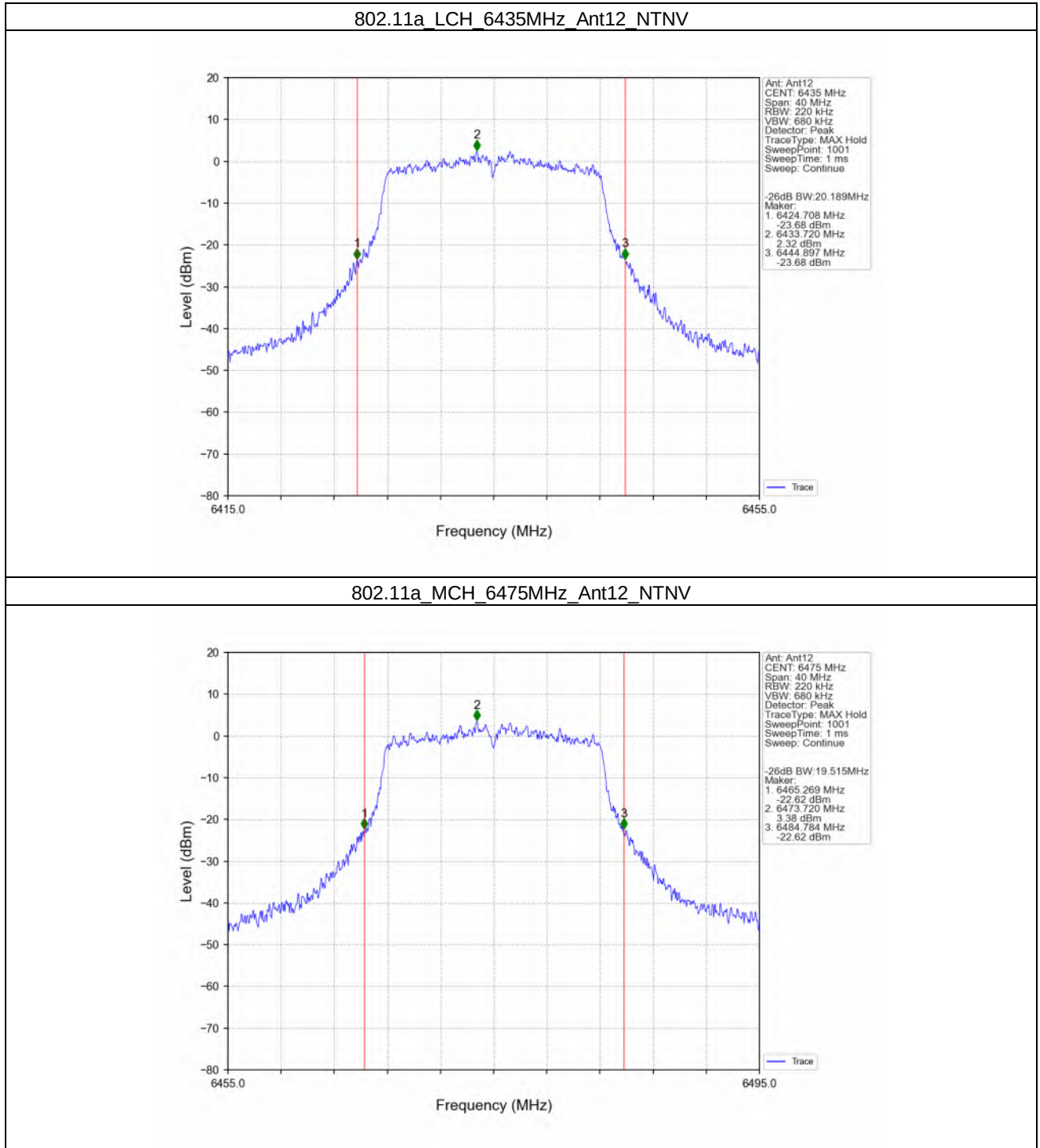
802.11ax(HEW80) LCH 6465MHz RU996 Left_Ant12_NTNV



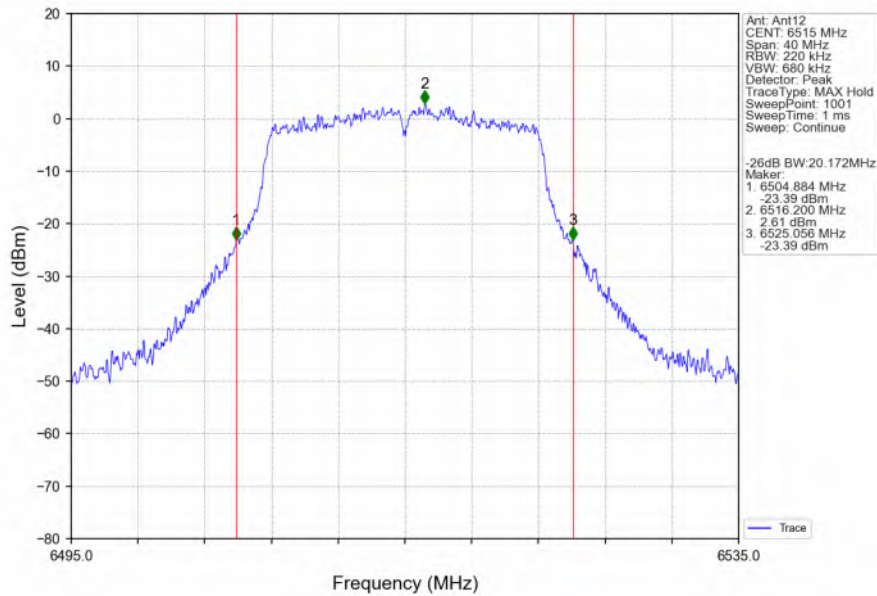
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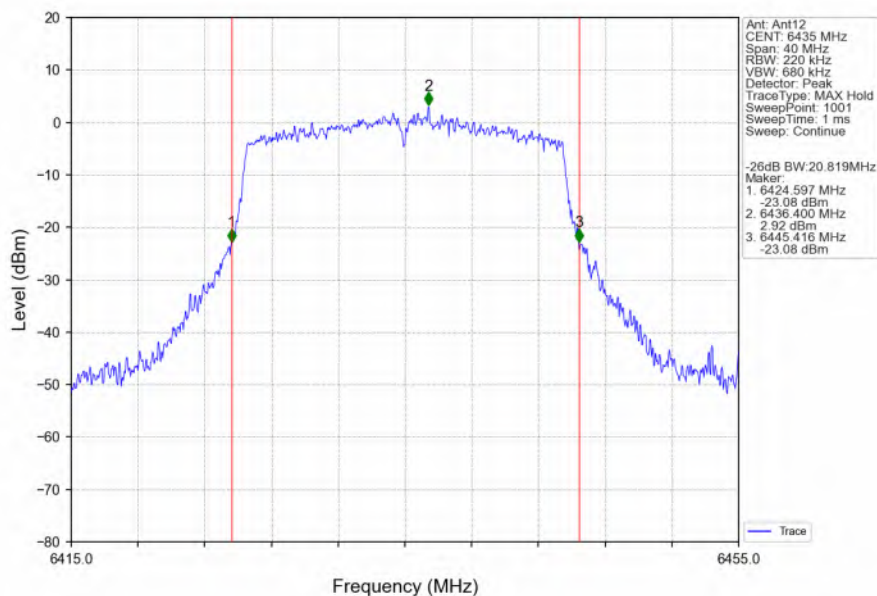
2.2.4 26dB BW



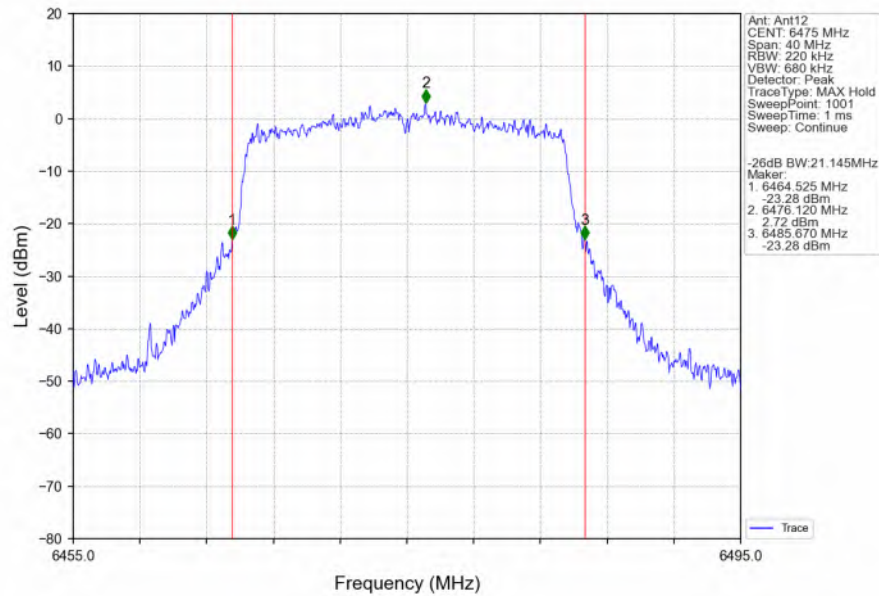
802.11a_HCH_6515MHz_Ant12_NTNV



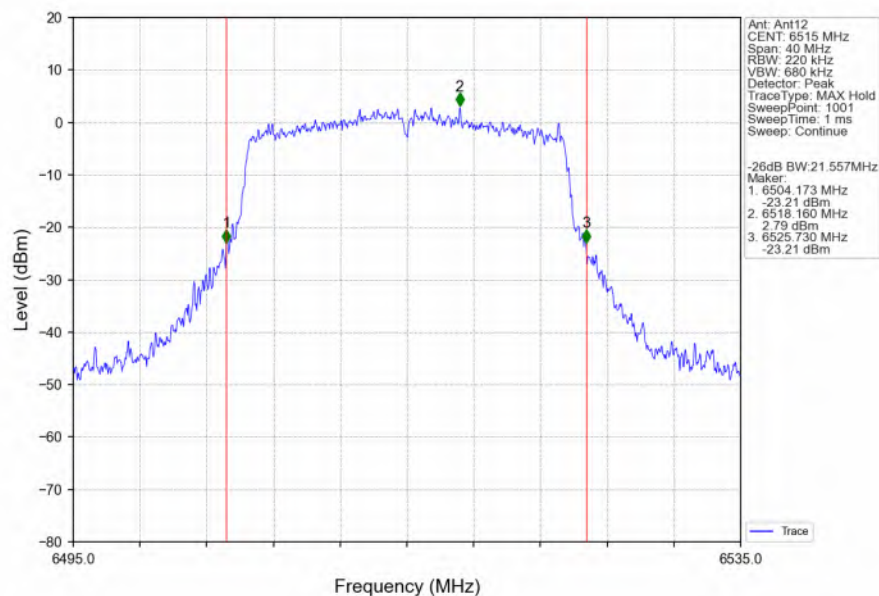
802.11ax(HEW20)_LCH_6435MHz_RU242_Left_Ant12_NTNV



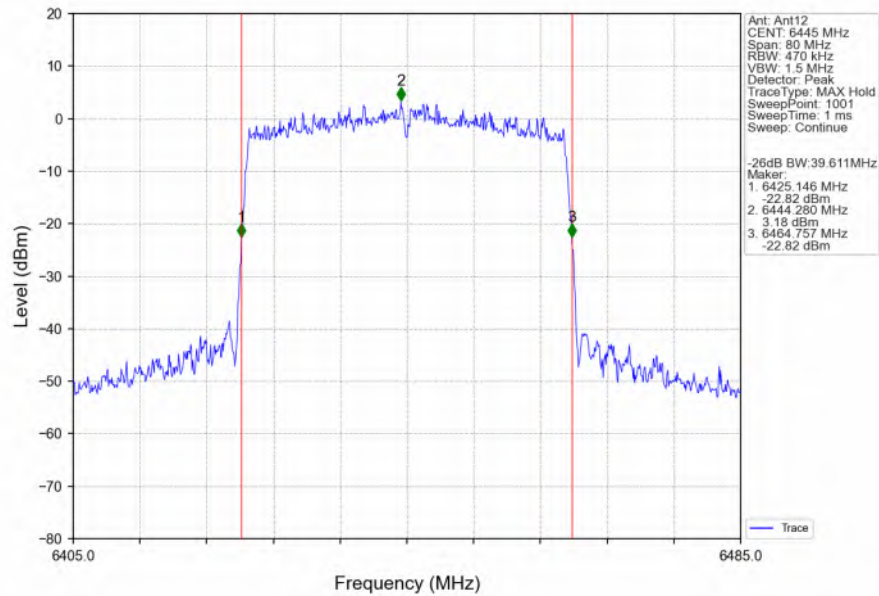
802.11ax(HEW20) MCH 6475MHz RU242 Left Ant12 NTNv



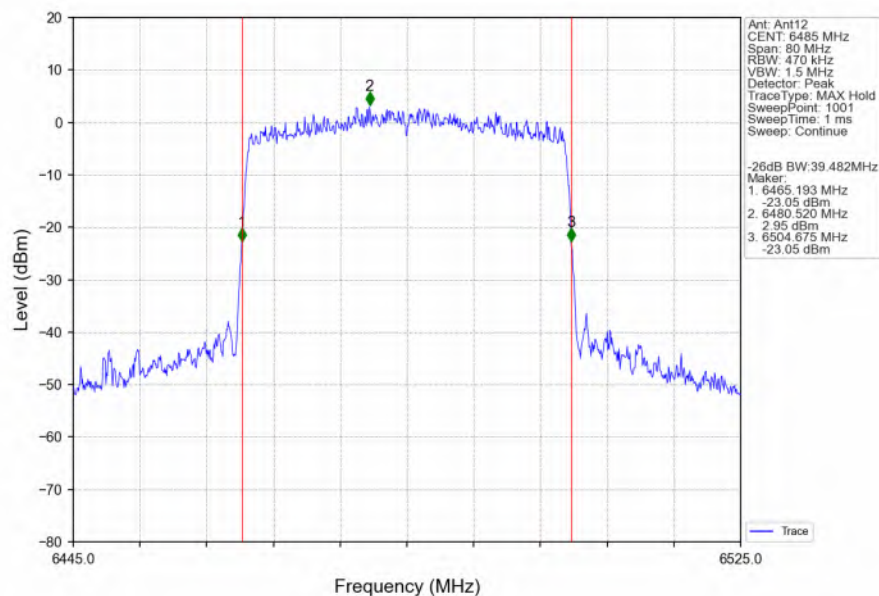
802.11ax(HEW20) HCH 6515MHz RU242 Left Ant12 NTNv



802.11ax(HEW40) LCH 6445MHz RU484 Left Ant12 NTN



802.11ax(HEW40) MCH 6485MHz RU484 Left Ant12 NTN



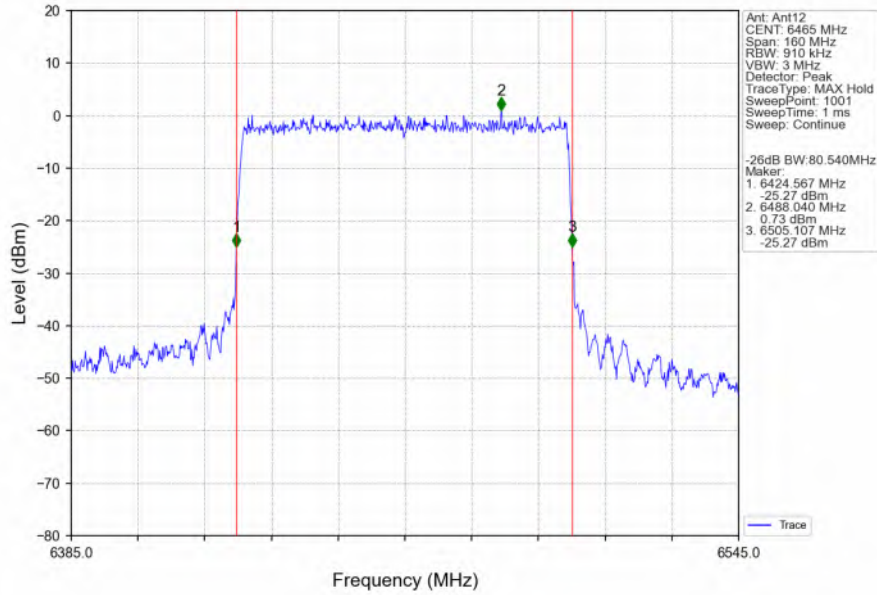
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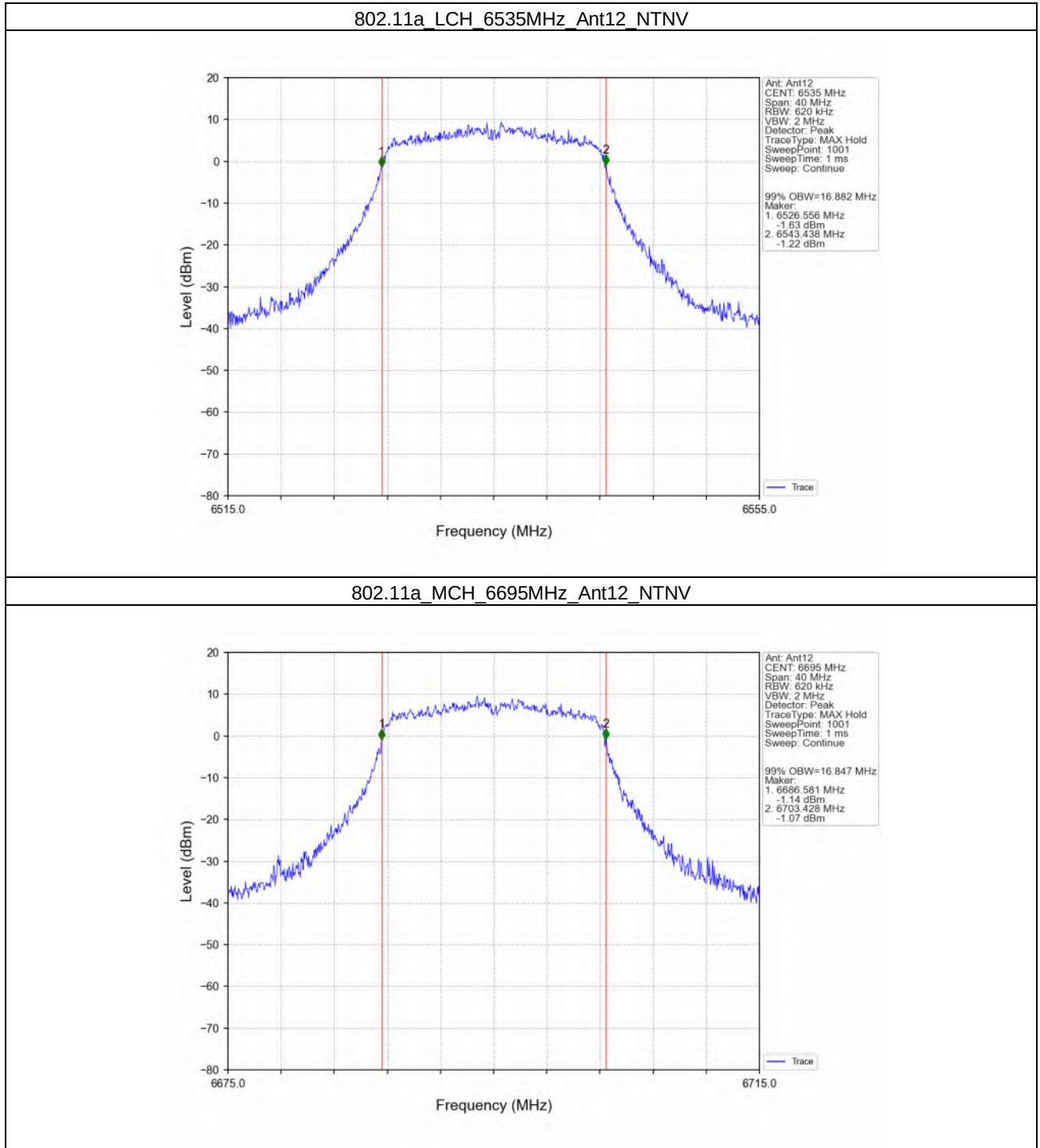
802.11ax(HEW80) LCH_6465MHz_RU996 Left_Ant12_NTNV



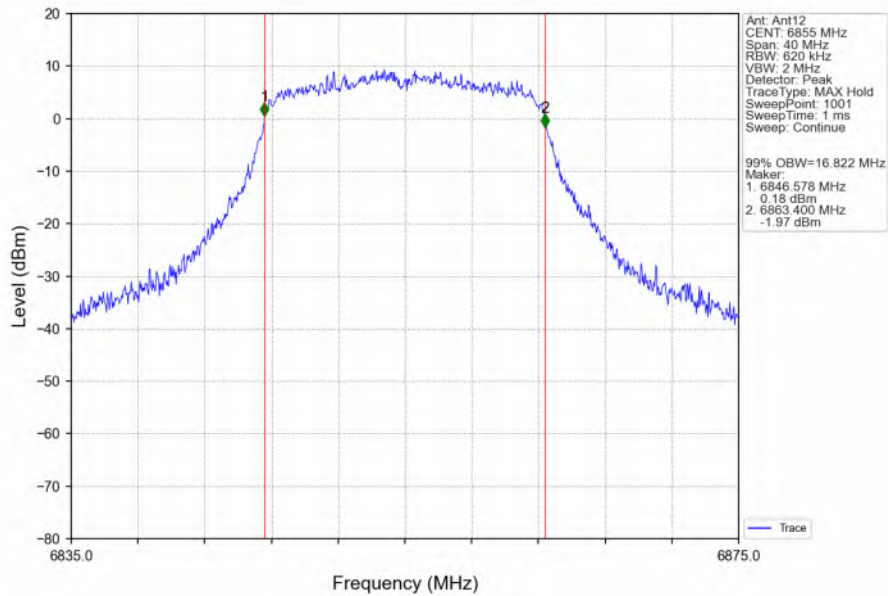
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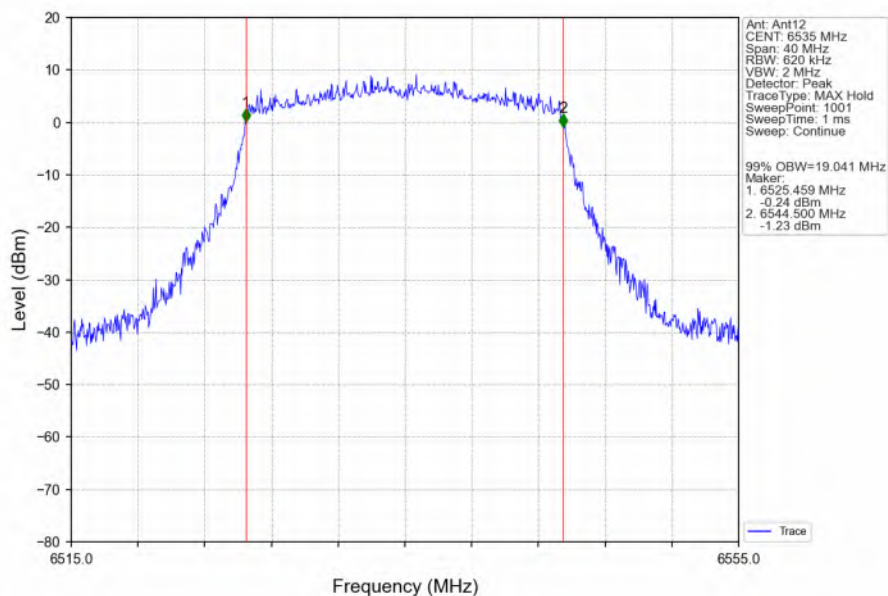
2.2.5 OBW



802.11a_HCH_6855MHz_Ant12_NTNV



802.11ax(HEW20)_LCH_6535MHz_RU242_Left_Ant12_NTNV



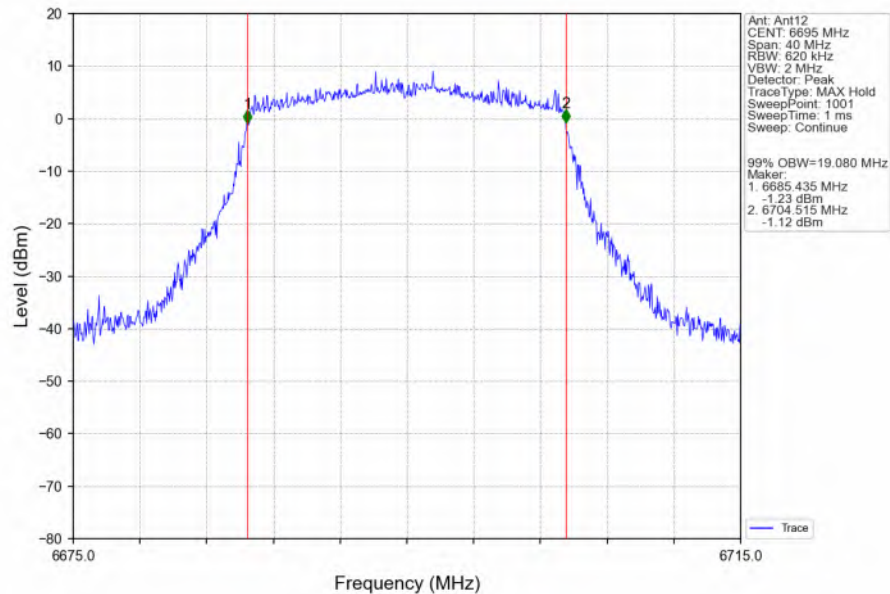
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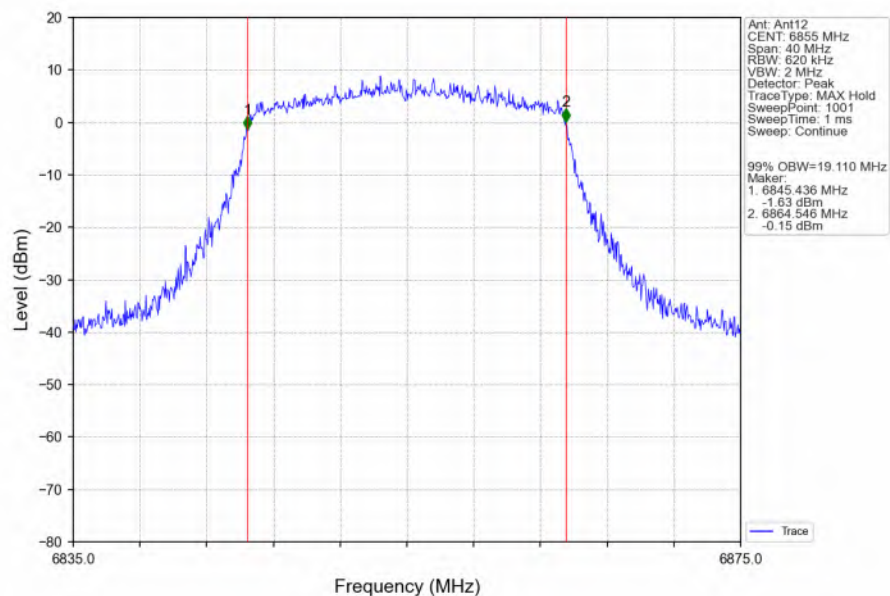
SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch Testing & Calibration Laboratory

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

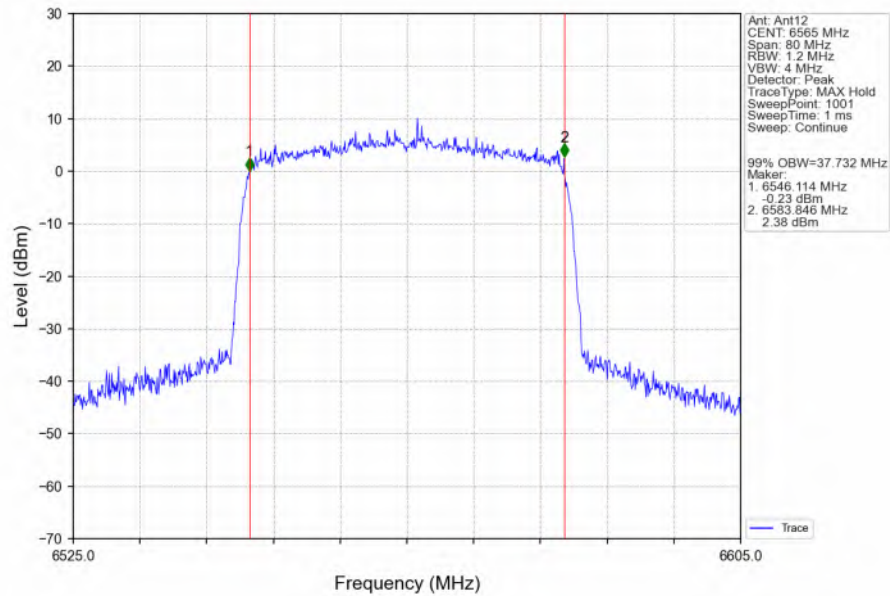
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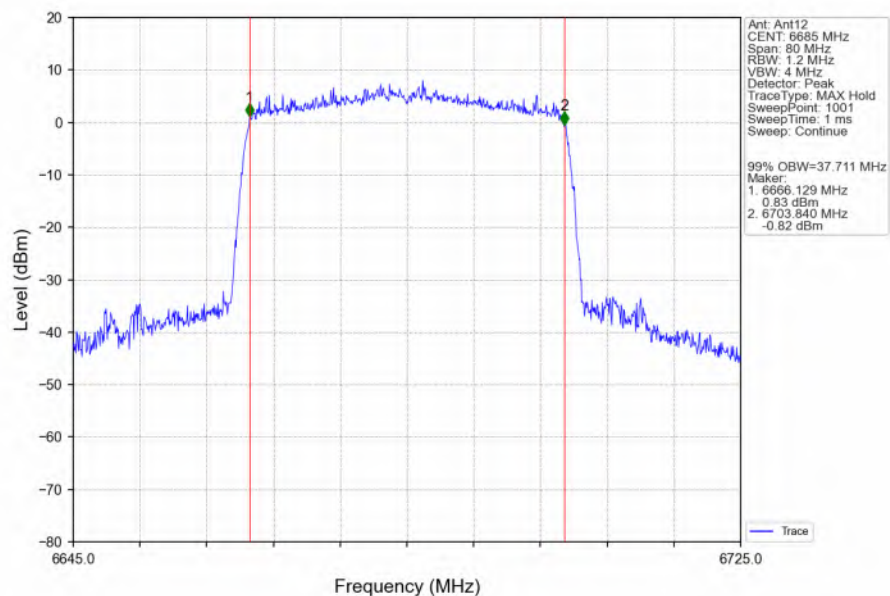
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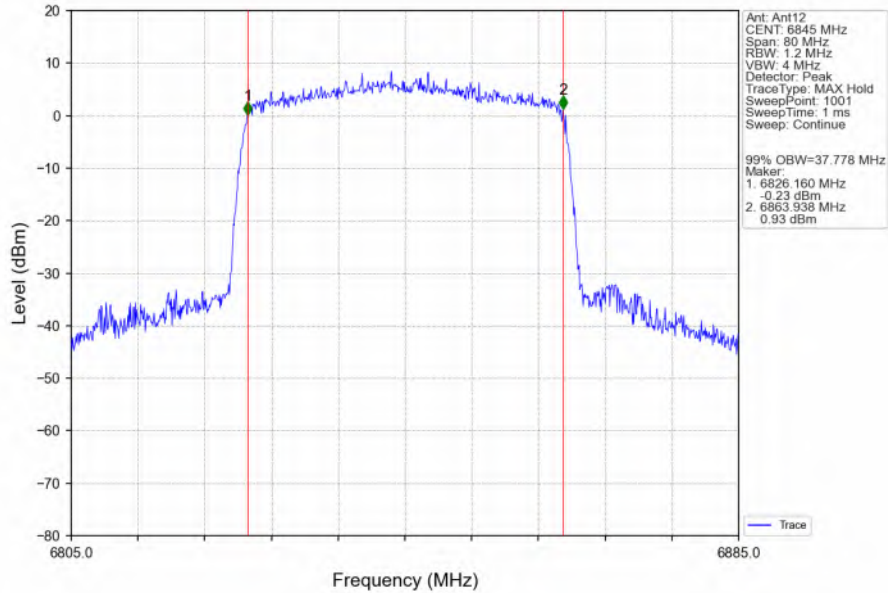
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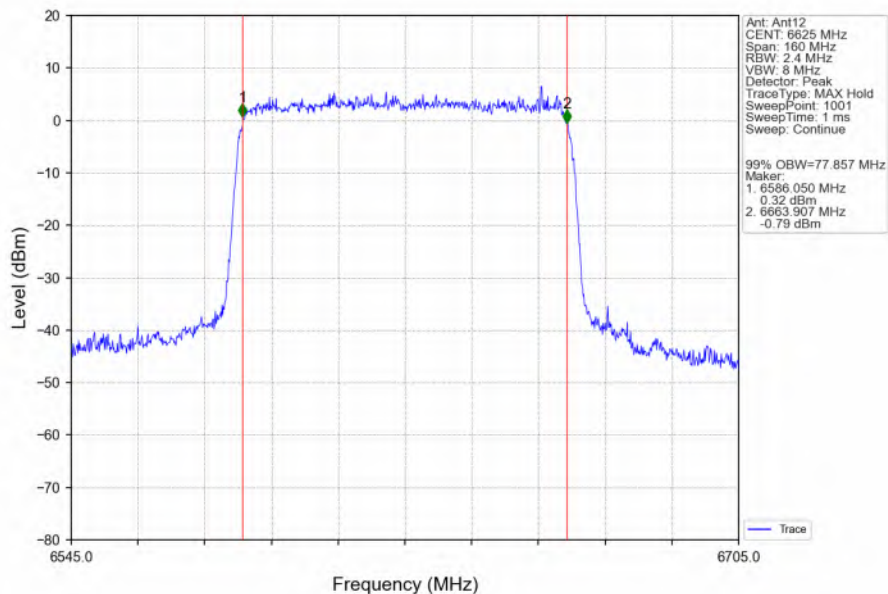
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802.11ax(HEW40) HCH 6845MHz RU484 Left Ant12 NTN



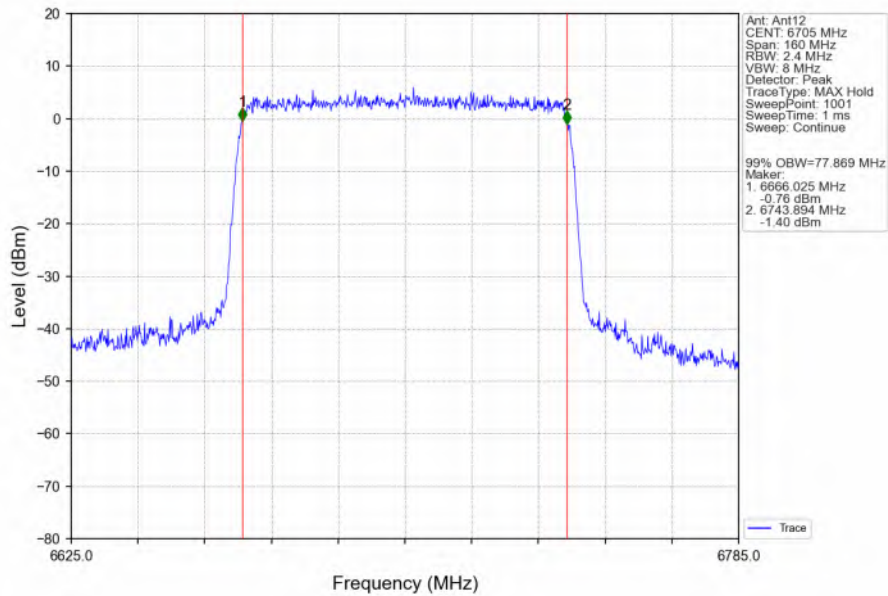
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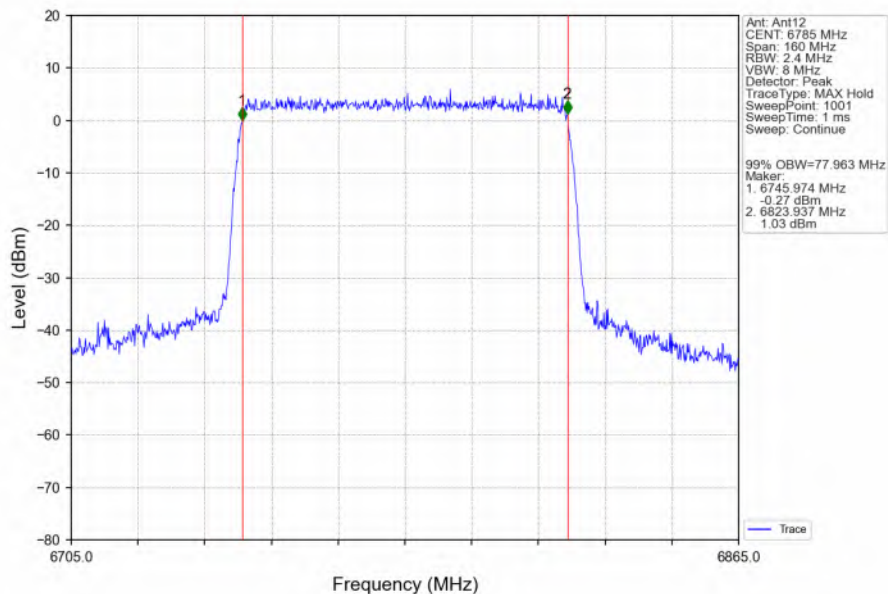
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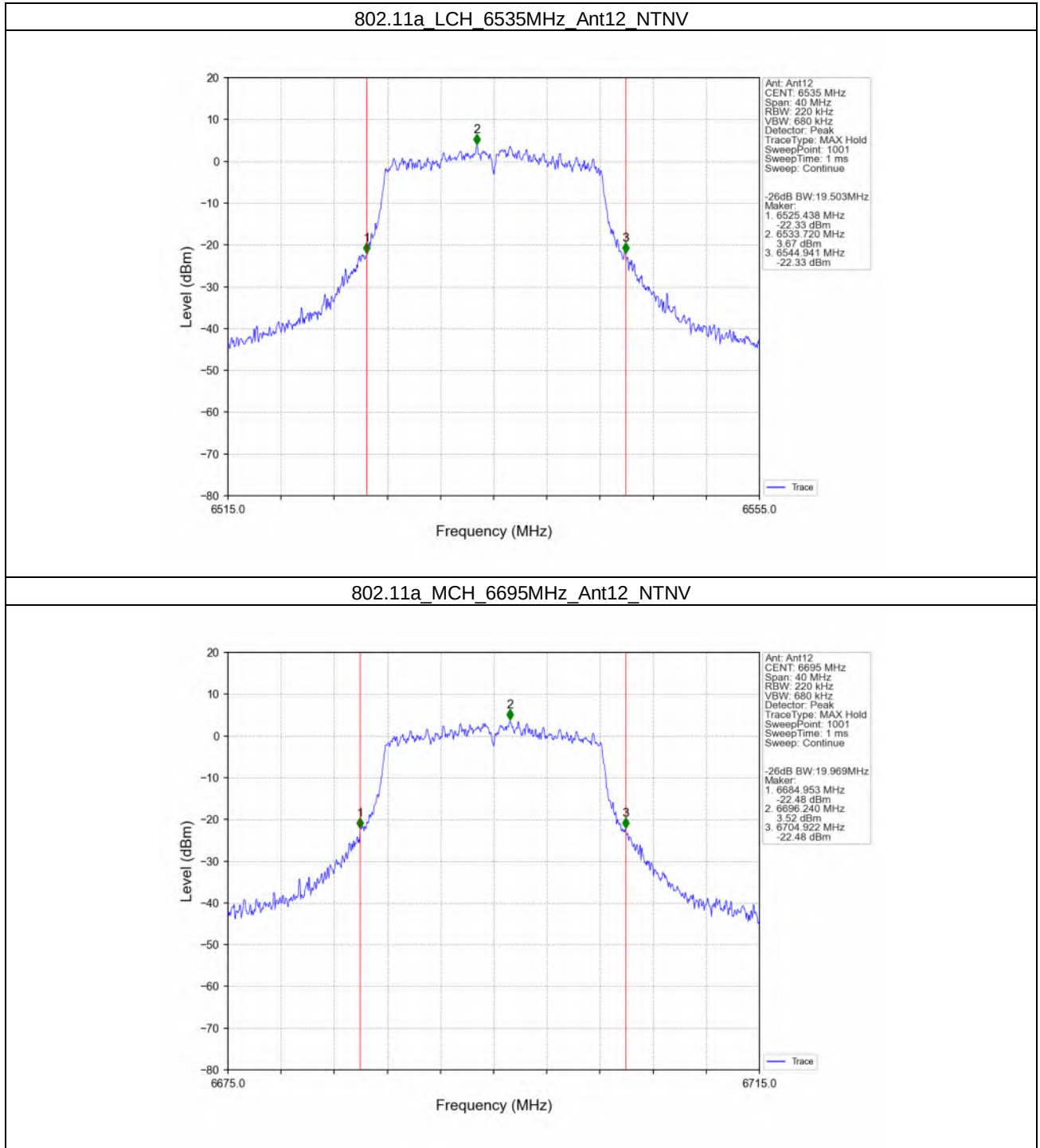
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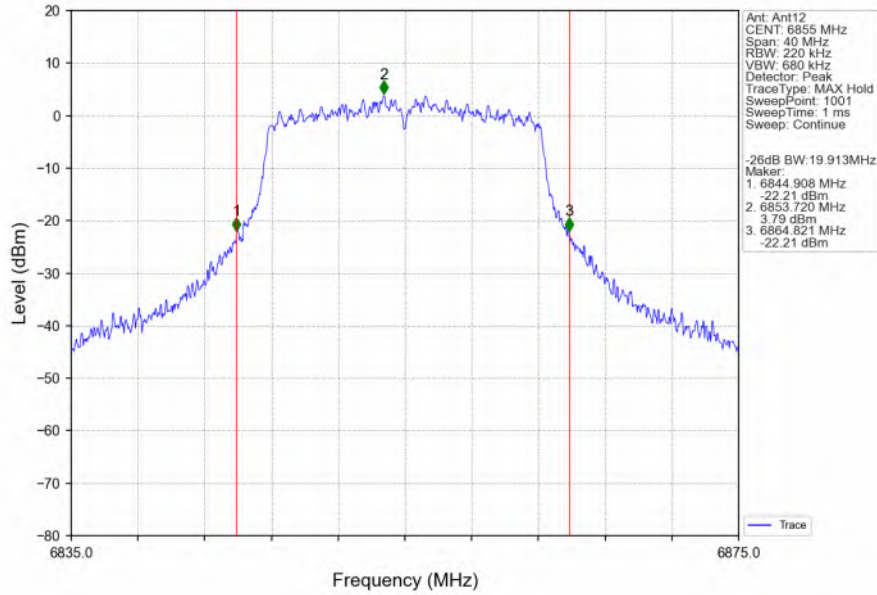
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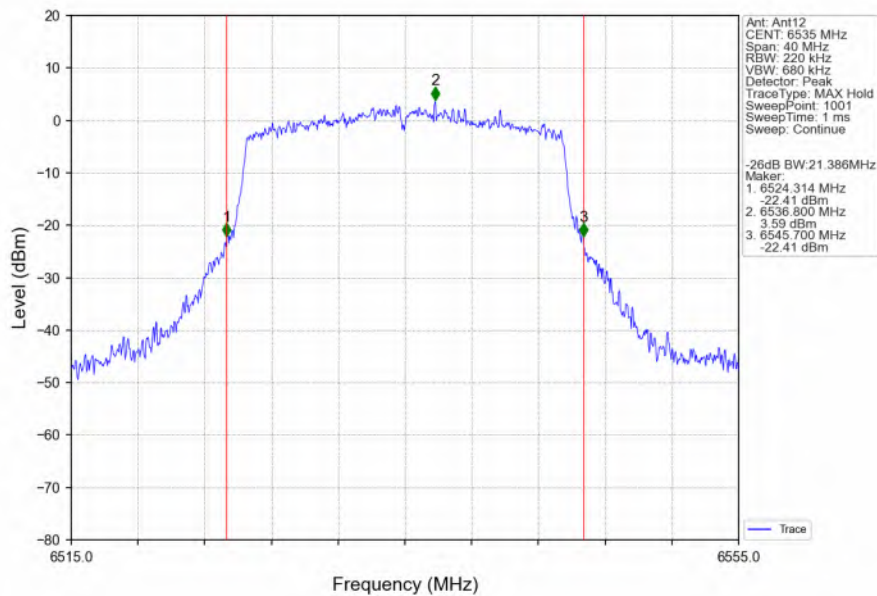
2.2.6 26dB BW



802.11a_HCH_6855MHz_Ant12_NTNV



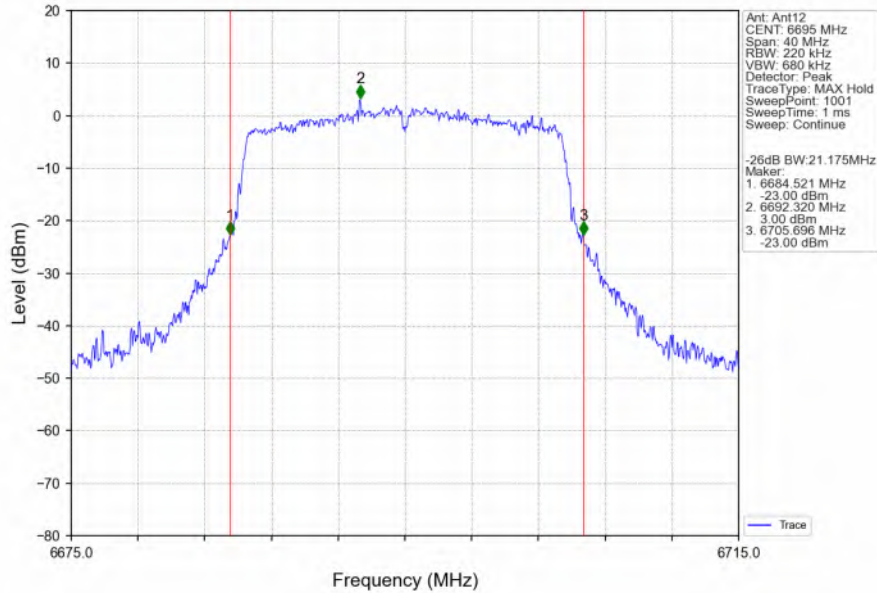
802.11ax(HEW20)_LCH_6535MHz_RU242_Left_Ant12_NTNV



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802.11ax(HEW20) MCH 6695MHz RU242 Left Ant12 NTNv



802.11ax(HEW20) HCH 6855MHz RU242 Left Ant12 NTNv

