TEST REPORT

Application No.:	SZCR2601000366AT
Applicant:	Stryker Medical
Address of Applicant:	3800 East Centre Ave, Portage, Michigan, 49002 United States
Manufacturer:	SHENZHEN MINRRAY INDUSTRY CO., LTD.
Address of Manufacturer:	Room 101, 2-8F, 14- 15F, Minrray Building, Ganli 6th Road No.5, Gankeng Community, Jihua Street, Longgan g District, Shenzhen, China.
Factory:	SHENZHEN MINRRAY INDUSTRY CO., LTD.
Address of Factory:	Room 101, 2-8F, 14- 15F, Minrray Building, Ganli 6th Road No.5, Gankeng Community, Jihua Street, Longgan g District, Shenzhen, China.
Equipment Under Test (EUT):	
EUT Name:	AMS-R2X
Model No.:	AMS-R2X
Trade Mark:	Stryker
FCC ID:	Z7A-AMS-R2X
Standard(s) :	47 CFR Part 15, Subpart E 15.407
Date of Receipt:	2026-01-26
Date of Test:	2026-03-01 to 2026-04-15
Date of Issue:	2026-04-17
Test Result:	**Pass***

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

Keny Xu
EMC Laboratory Manager

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Revision Record				
Version	**Chapter**	**Date**	**Modifier**	**Remark**
01		2026-04-17		Original

Authorized for issue by:				
		Edison Li **Edison Li/Project Engineer**		
		Eric Fu **Eric Fu/Reviewer**		

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2 Test Summary

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

Radio Spectrum Matter Part				
Item	**Standard**	**Method**	**Requirement**	**Result**
Conducted Emissions at AC Power Line (150kHz-30MHz)	47 CFR Part 15, Subpart E 15.407	ANSI C63.10 (2020) Section 6.2	47 CFR Part 15, Subpart C 15.207 & Subpart E 15.407 b(9)	Pass
Radiated Emissions (Below 1GHz)		ANSI C63.10 (2020) Section 6.4,6.5	47 CFR Part 15, Subpart C 15.209 & Subpart E 15.407(b)	Pass
Radiated Emissions (Above 1GHz)		ANSI C63.10 (2020) Section 6.6 & 12.7	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 & 12.7.2	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 Section II.I.	47 CFR Part 15, Subpart E 15.407 (d)(6)	Pass
Duty Cycle		ANSI C63.10 (2020) Section 12.2	ANSI C63.10 (2020) Section 12.2	Pass
99% Bandwidth		ANSI C63.10 (2020) Section 12.5.3	ANSI C63.10 (2020) Section 12.5.3	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
Power Spectral 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

3 Contents

4 General Information

4.1 Details of E.U.T.

Power supply:	Switching Adapter Model: FJ-SW20251206000 Input: AC 100-240V, 50/60Hz, 1.5A Max Output: DC 12.0V, 6.0A, 72.0W or DC 12.0V
Cable(s):	AC cable:40cm unshielded DC cable:180cm with a ferrite core
Operation Frequency / Number of channels (20MHz):	U-NII-5: 5955-6415MHz (24 Channels); U-NII-6: 6435-6515MHz (5 Channels); U-NII-7: 6535-6855MHz (17 Channels); U-NII-8: 6875-7115MHz (13 Channels)
Operation Frequency / Number of channels (40MHz):	U-NII-5: 5965-6405MHz (12 Channels); U-NII-6: 6445-6485MHz (2 Channels); U-NII-7: 6525-6845MHz (9 Channels); U-NII-8: 6885-7085MHz (6 Channels)
Operation Frequency / Number of channels (80MHz):	U-NII-5: 5985-6385MHz (6 Channels); U-NII-6: 6465-6545MHz (2 Channels); U-NII-7: 6625-6785MHz (3 Channels); U-NII-8: 6865-7025MHz (3 Channel)
Operation Frequency / Number of channels (160MHz):	U-NII-5: 6025-6345MHz (3 Channels); U-NII-6: 6505MHz (1 Channel); U-NII-7: 6665MHz (1 Channel); U-NII-8: 6985MHz (1 Channel)
Modulation Type:	802.11a: OFDM (BPSK, QPSK, 16QAM, 64QAM); 802.11ax: OFDMA (BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024-QAM)
Channel Spacing:	802.11a/ax 20: 20MHz; 802.11ax 40: 40MHz; 802.11ax 80: 80MHz; 802.11ax 160: 160MHz
Antenna Type:	PIFA Antenna
Antenna Gain:	Antenna1: 4.38 dBi, Antenna 2: 6.79dBi Note: MIMO for Antenna1 and Antenna2.
Equipment Type:	6XD Indoor Devices

Remark:The information in this section is provided by the applicant or manufacturer, SGS is not liable to the accuracy, suitability, reliability or/and integrity of the information.

4.2 Description of Support Units

Description	Manufacturer	Model No.	Serial No.
RF cable	SGS	N/A(cable loss:1.2dB)	N/A

4.3 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
Power Spectral 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.

4.4 Test Location

All tests were performed at:

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

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

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

No tests were sub-contracted.

4.5 Test Facility

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

• A2LA (Certificate No. 3816.01)

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

• VCCI (Member No. 1937)

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

• FCC –Designation Number: CN1336

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

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

• Innovation, Science and Economic Development Canada

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

CAB identifier: CN0006.

IC#: 4620C.

4.6 Deviation from Standards

None

4.7 Abnormalities from Standard Conditions

None

5 Equipment List

Conducted Emissions at AC Power Line (150kHz-30MHz)					
Equipment	**Manufacturer**	**Model No.**	**Inventory No.**	**Cal Date**	**Cal Due Date**
Shielding Room	ZhongYu Electron	GB-88	SEM001-06	2025-05-07	2028-05-06
EMI Test Receiver	Rohde&Schwarz	ESR	SZ-WRG-M-047	2025-12-15	2026-12-14
Matching Pad	N/A	N/A	SEM021-23	2026-03-20	2027-03-19
Matching Pad	N/A	N/A	SEM021-24	2026-03-20	2027-03-19
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	2026-02-24	2027-02-23

Radiated Emissions which fall in the restricted bands					
Equipment	**Manufacturer**	**Model No.**	**Inventory No.**	**Cal Date**	**Cal Due Date**
Signal & Spectrum Analyzer	Rohde & Schwarz	FSV	SZ-WRG-M-048	2025-12-16	2026-12-15
Low Noise Amplifier 30M-8GHz	Tonscend	TAP30M8G30	SZ-WRG-M-050	2025-12-16	2026-12-15
Double Ridge Horn Antenna 1GHz-18GHz	SCHWARZBECK	BBHA 9120 D	SZ-WRG-M-055	2025-12-13	2026-12-12
SHF-EHF Horn 15GHz-40GHz	SCHWARZBECK	BBHA 9170	SZ-WRG-M-056	2025-12-13	2026-12-12
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 (Below 1GHz)					
Equipment	**Manufacturer**	**Model No.**	**Inventory No.**	**Cal Date**	**Cal Due Date**
Loop Antenna	ETS-Lindgren	6502	SEM003-08	2025-11-17	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	2026-02-02	2027-02-01
Measurement Software	AUDIX	e3 V8.2014-6-27	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM025-01	2025-07-05	2026-07-04

Radiated Emissions (Above 1GHz)					
Equipment	**Manufacturer**	**Model No.**	**Inventory No.**	**Cal Date**	**Cal Due Date**
Signal & Spectrum Analyzer	Rohde & Schwarz	FSV	SZ-WRG-M-048	2025-12-16	2026-12-15
Low Noise Amplifier 1G-18GHz	Tonscend	TAP01018050	SZ-WRG-M-051	2025-12-16	2026-12-15
Low Noise Amplifier 18G-40GHz	Tonscend	TAP18040048	SZ-WRG-M-052	2025-12-16	2026-12-15
Double Ridge Horn Antenna 1GHz-18GHz	SCHWARZBECK	BBHA 9120 D	SZ-WRG-M-055	2025-12-13	2026-12-12
SHF-EHF Horn 15GHz-40GHz	SCHWARZBECK	BBHA 9170	SZ-WRG-M-056	2025-12-13	2026-12-12
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

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	2026-02-03	2027-02-02
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	2026-02-02	2027-02-01
Programmable Temperature & Humidity Chamber	Votsch Industrietechnik GmbH	VT 4002	SEM002-15	2026-02-03	2027-02-02
Power Sensor	TST PASS	TSPS2023R	SEM009-26	2026-02-04	2027-02-03
Power Sensor	KEYSIGHT	U2021XA	SEM009-16	2026-02-04	2027-02-03

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	2026-02-14	2027-02-13

6 Radio Spectrum Technical Requirement

6.1 Antenna Requirement

6.1.1 Test Requirement:

47 CFR Part 15, Subpart C 15.203

6.1.2 Conclusion

Standard Requirement:

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

EUT Antenna:

The antenna is a PIFA type that comply with Part15.203, the best case gain of the Antenna1: 4.38 dBi, Antenna 2: 6.79dBi

The EUT support Cyclic Delay Diversity (CDD) mode, and CDD signals are correlated.

For power measurements, directional Gain = 6.79dBi.

For power spectral density measurements, Directional gain = GANT + Array Gain = 6.79 + 10*log(2/1) = 9.80dBi.

The EUT also supports beamforming mode, and the beamforming support 802.11a/b/g/n/ac/ax only.

For beamforming operation, manufacturer automatically backs power down based on a 10*log (NANT) factor based on CDD power, Therefore, only the CDD mode was evaluated in this report.

Antenna location: Refer to internal photo.

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: Mason Wu
Limit:

Frequency of emission(MHz)	Conducted limit(dBμV)	
	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

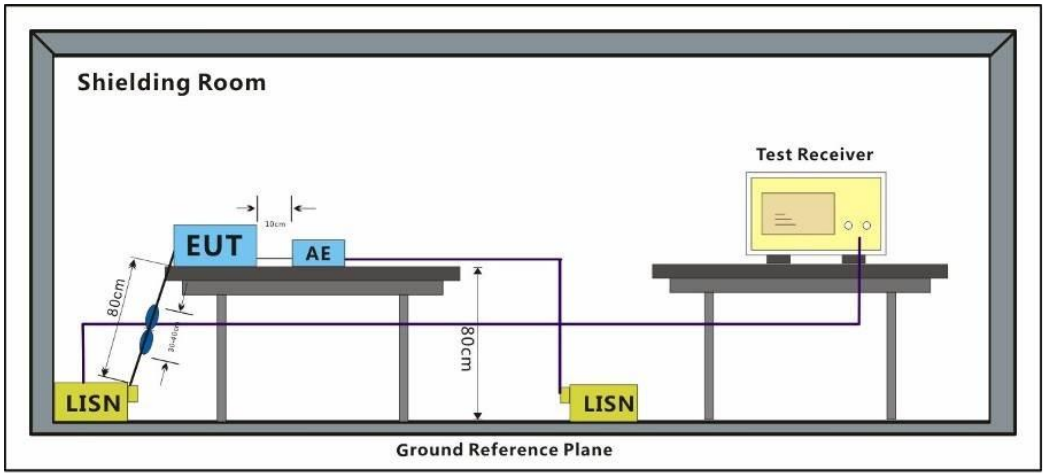
Operating Environment:
Temperature: 23.4 °C Humidity: 42.5 % RH Atmospheric Pressure: 1020 mbar

7.1.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	18	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 @ 6Mbps is the worst case of IEEE 802.11a; data rate @ HT0/HT8 is the worst case of IEEE 802.11n(20MHz); data rate @ HT0/HT8 is the worst case of IEEE 802.11n(40MHz); data rate @ VHT0 is the worst case of IEEE 802.11ac(80MHz); data rate @ VHT0 is the worst case of IEEE 802.11ac(160MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(20MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(40MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(80MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(160MHz). Only the data of worst case is recorded in the report.
Pre-scan	19	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 @ 6Mbps is the worst case of IEEE 802.11a; data rate @ HT0/HT8 is the worst case of IEEE 802.11n(20MHz); data rate @ HT0/HT8 is the worst case of IEEE 802.11n(40MHz); data rate @ VHT0 is the worst case of IEEE 802.11ac(80MHz); data rate @ VHT0 is the worst case of IEEE 802.11ac(160MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(20MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(40MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(80MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(160MHz). Only the data of worst case is recorded in the report.
Pre-scan	20	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 @ 6Mbps is the worst case of IEEE 802.11a; data rate @ HT0/HT8 is the worst case of IEEE 802.11n(20MHz); data rate @ HT0/HT8 is the worst case of IEEE 802.11n(40MHz); data rate @ VHT0 is the worst case of IEEE 802.11ac(80MHz); data rate @ VHT0 is the worst case of IEEE 802.11ac(160MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(20MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(40MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(80MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(160MHz). Only the data of worst case is recorded in the report.
Pre-scan	21	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 @ 6Mbps is the worst case of IEEE 802.11a; data rate @ HT0/HT8 is the worst case of IEEE 802.11n(20MHz); data rate @ HT0/HT8 is the worst case of IEEE 802.11n(40MHz); data rate @ VHT0 is the worst case of IEEE 802.11ac(80MHz); data rate @ VHT0 is the worst case of IEEE 802.11ac(160MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(20MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(40MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(80MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(160MHz). 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,

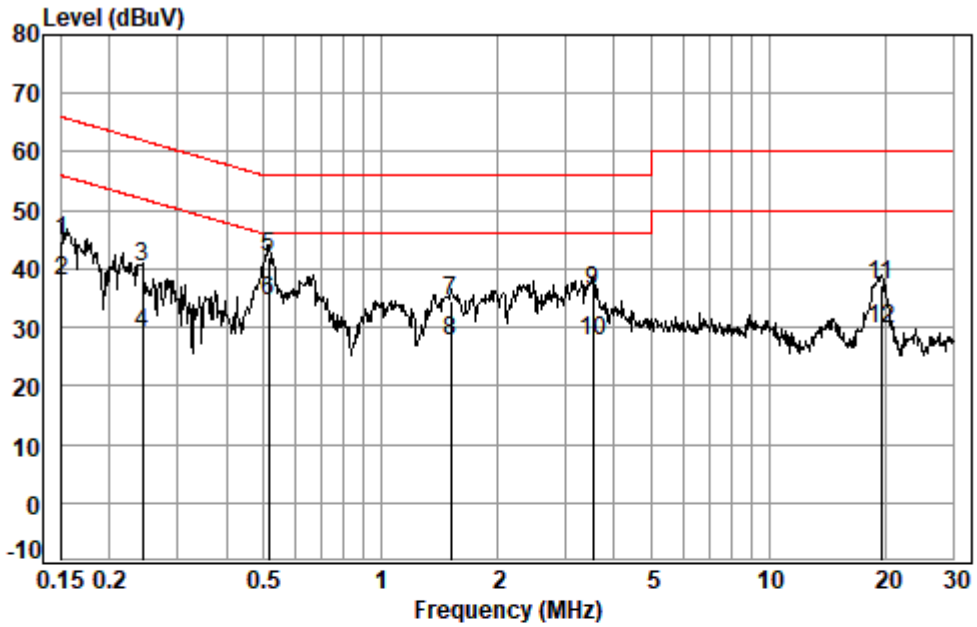
4) The test was performed with a vertical ground reference plane. The rear of the EUT shall be 0.4 m from the vertical ground reference plane. The vertical ground reference plane was bonded to the horizontal ground reference plane. The LISN 1 was placed 0.8 m from the boundary of the unit under test 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.

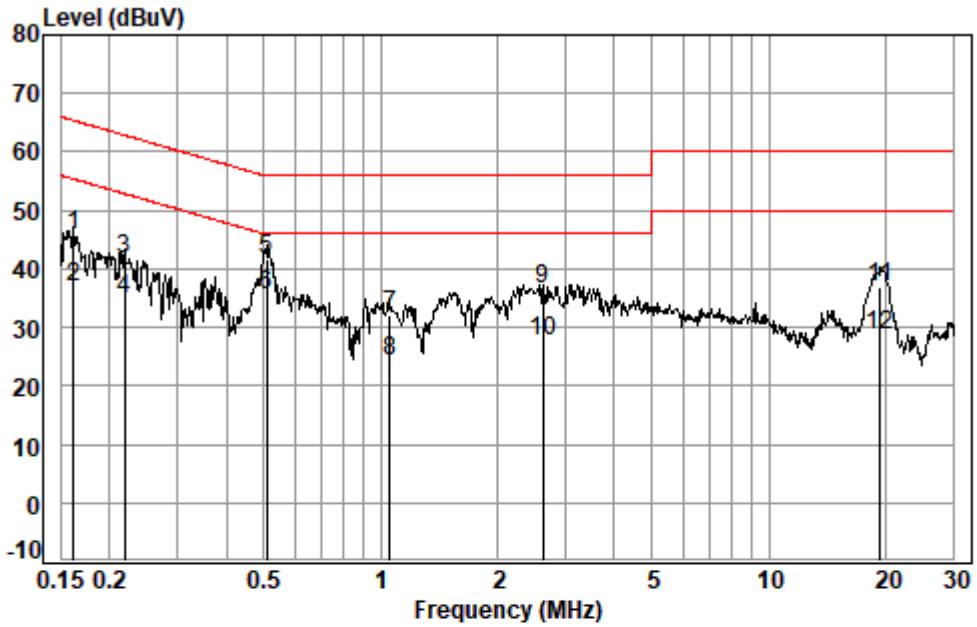
Test Mode: 18; Line: Live line



Site : Shielding Room
Condition: Line
Job No. : 00366AT
Test mode: 18

		Freq	Cable Loss	LISN Factor	Read Level	Level	Limit Line	Over Limit	Remark
		MHz	dB	dB	dBuV	dBuV	dBuV	dB	
1		0.1508	0.06	9.63	35.15	44.84	65.96	-21.12	QP
2		0.1508	0.06	9.63	28.05	37.74	55.96	-18.22	Average
3		0.2429	0.07	9.63	30.66	40.36	62.00	-21.64	QP
4		0.2429	0.07	9.63	19.33	29.03	52.00	-22.97	Average
5	*	0.5155	0.09	9.64	32.27	42.00	56.00	-14.00	QP
6	*	0.5155	0.09	9.64	24.90	34.63	46.00	-11.37	Average
7		1.5193	0.12	9.70	24.74	34.56	56.00	-21.44	QP
8		1.5193	0.12	9.70	17.75	27.57	46.00	-18.43	Average
9		3.5278	0.13	9.84	26.34	36.31	56.00	-19.69	QP
10		3.5278	0.13	9.84	17.80	27.77	46.00	-18.23	Average
11		19.5316	0.18	12.13	24.91	37.22	60.00	-22.78	QP
12		19.5316	0.18	12.13	17.22	29.53	50.00	-20.47	Average

Test Mode: 18; Line: Neutral Line



Site : Shielding Room
Condition: Neutral
Job No. : 00366AT
Test mode: 18

		Freq	Cable Loss	LISN Factor	Read Level	Level	Limit Line	Over Limit	Remark
		MHz	dB	dB	dBuV	dBuV	dBuV	dB	
1		0.1615	0.06	9.66	36.07	45.79	65.38	-19.59	QP
2		0.1615	0.06	9.66	27.07	36.79	55.38	-18.59	Average
3		0.2185	0.07	9.66	31.96	41.69	62.88	-21.19	QP
4		0.2185	0.07	9.66	25.17	34.90	52.88	-17.98	Average
5	*	0.5074	0.09	9.63	31.97	41.69	56.00	-14.31	QP
6	*	0.5074	0.09	9.63	25.90	35.62	46.00	-10.38	Average
7		1.0541	0.11	9.66	22.26	32.03	56.00	-23.97	QP
8		1.0541	0.11	9.66	14.32	24.09	46.00	-21.91	Average
9		2.6221	0.13	9.78	26.72	36.63	56.00	-19.37	QP
10		2.6221	0.13	9.78	17.60	27.51	46.00	-18.49	Average
11		19.4284	0.18	12.09	24.57	36.84	60.00	-23.16	QP
12		19.4284	0.18	12.09	16.36	28.63	50.00	-21.37	Average

7.2 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 & 12.7.2
Measurement Distance: 3m
Test Engineer: Mihawk Li
Limit:

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

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

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

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

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

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

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

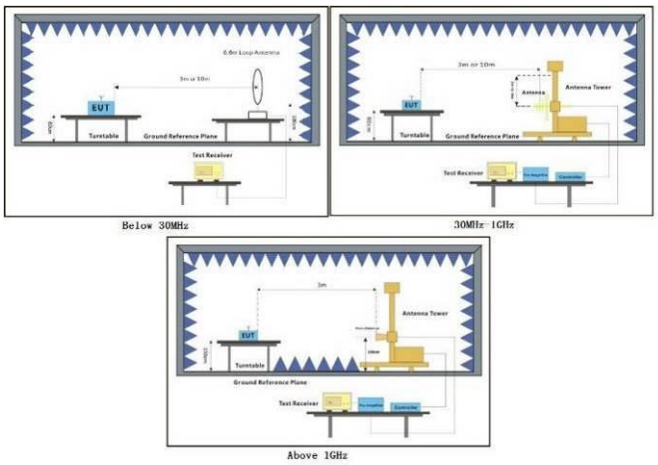
7.2.1 E.U.T. Operation

Operating Environment:
Temperature: 23.4 °C Humidity: 55.9 % RH Atmospheric Pressure: 1020 mbar

7.2.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	18	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 @ 6Mbps is the worst case of IEEE 802.11a; data rate @ HT0/HT8 is the worst case of IEEE 802.11n(20MHz); data rate @ HT0/HT8 is the worst case of IEEE 802.11n(40MHz); data rate @ VHT0 is the worst case of IEEE 802.11ac(80MHz); data rate @ VHT0 is the worst case of IEEE 802.11ac(160MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(20MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(40MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(80MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(160MHz). Only the data of worst case is recorded in the report.
Final test	19	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 @ 6Mbps is the worst case of IEEE 802.11a; data rate @ HT0/HT8 is the worst case of IEEE 802.11n(20MHz); data rate @ HT0/HT8 is the worst case of IEEE 802.11n(40MHz); data rate @ VHT0 is the worst case of IEEE 802.11ac(80MHz); data rate @ VHT0 is the worst case of IEEE 802.11ac(160MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(20MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(40MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(80MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(160MHz). Only the data of worst case is recorded in the report.
Final test	20	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 @ 6Mbps is the worst case of IEEE 802.11a; data rate @ HT0/HT8 is the worst case of IEEE 802.11n(20MHz); data rate @ HT0/HT8 is the worst case of IEEE 802.11n(40MHz); data rate @ VHT0 is the worst case of IEEE 802.11ac(80MHz); data rate @ VHT0 is the worst case of IEEE 802.11ac(160MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(20MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(40MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(80MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(160MHz). Only the data of worst case is recorded in the report.
Final test	21	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 @ 6Mbps is the worst case of IEEE 802.11a; data rate @ HT0/HT8 is the worst case of IEEE 802.11n(20MHz); data rate @ HT0/HT8 is the worst case of IEEE 802.11n(40MHz); data rate @ VHT0 is the worst case of IEEE 802.11ac(80MHz); data rate @ VHT0 is the worst case of IEEE 802.11ac(160MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(20MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(40MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(80MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(160MHz). Only the data of worst case is recorded in the report.

7.2.3 Test Setup Diagram



7.2.4 Measurement Procedure and Data

a. For below 1GHz, the EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 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.

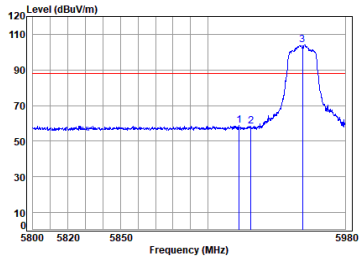
j. Repeat above procedures until all frequencies measured was complete.

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≥1/T (Duty cycle<98%) or 10Hz (Duty cycle≥98%) for Average detection (AV) at frequency above 1GHz.

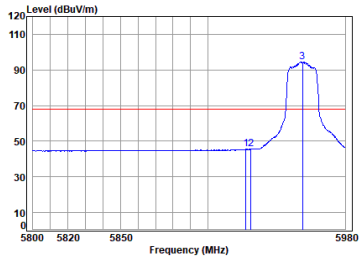
11a_TX_CH_001_Horizontal-Peak



Condition: 3m HORIZONTAL
Job No : 00366AT
Mode : 5955 Band edge
: Wi-Fi 6E 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1	5918.182	10.88	34.26	29.72	43.34	58.76	88.20	-29.44	Peak	0.00
2	5925.000	10.87	34.25	29.72	42.79	58.19	88.20	-30.01	Peak	0.00
3 pp	5955.000	10.85	34.22	29.71	88.56	103.92	88.20	15.72	Peak	0.00

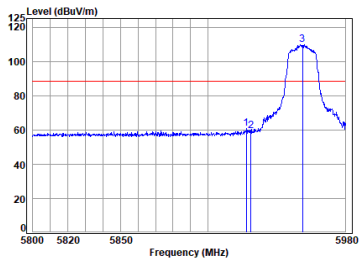
11a_TX_CH_001_Horizontal-Avg



Condition: 3m HORIZONTAL
Job No : 00366AT
Mode : 5955 Band edge
: Wi-Fi 6E 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1	5922.163	10.87	34.26	29.72	30.00	45.41	68.20	-22.79	Average	0.00
2	5925.000	10.87	34.25	29.72	30.15	45.55	68.20	-22.65	Average	0.00
3 pp	5955.000	10.85	34.22	29.71	79.12	94.48	68.20	26.28	Average	0.00

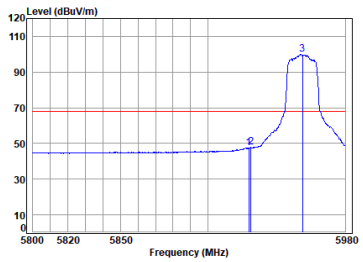
11a_TX_CH_001_Vertical-Peak



Condition: 3m VERTICAL
Job No : 00366AT
Mode : 5955 Band edge
: Wi-Fi 6E 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1	5922.524	10.87	34.25	29.72	45.31	60.71	88.20	-27.49	Peak	0.00
2	5925.000	10.87	34.25	29.72	43.91	59.31	88.20	-28.89	Peak	0.00
3 pp	5955.000	10.85	34.22	29.71	94.41	109.77	88.20	21.57	Peak	0.00

11a_TX_CH_001_Vertical-Avg



Condition: 3m VERTICAL
Job No : 00366AT
Mode : 5955 Band edge
: Wi-Fi 6E 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1	5923.973	10.87	34.25	29.72	32.13	47.53	68.20	-20.67	Average	0.00
2	5925.000	10.87	34.25	29.72	32.37	47.77	68.20	-20.43	Average	0.00
3 pp	5955.000	10.85	34.22	29.71	84.64	100.00	68.20	31.80	Average	0.00

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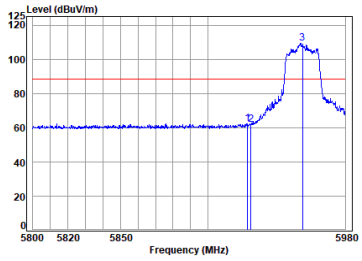
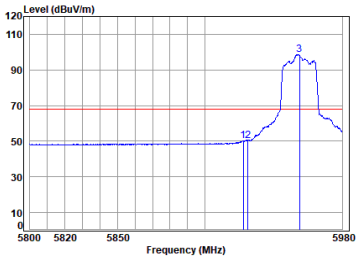
11ax_20M_TX_CH_001_Horizontal-Peak



Condition: 3m HORIZONTAL
Job No : 00366AT
Mode : 5955 Band edge
: Wi-Fi 6E 11AX20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1	5923.067	10.87	34.25	29.72	46.85	62.25	88.20	-25.95	Peak	0.00
2	5925.000	10.87	34.25	29.72	46.16	61.56	88.20	-26.64	Peak	0.00
3 pp	5955.000	10.85	34.22	29.71	93.89	109.25	88.20	21.05	Peak	0.00

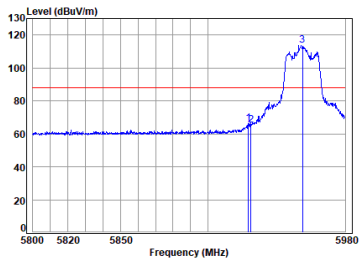
11ax_20M_TX_CH_001_Horizontal-AVG



Condition: 3m HORIZONTAL
Job No : 00366AT
Mode : 5955 Band edge
: Wi-Fi 6E 11AX20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1	5922.343	10.87	34.26	29.72	34.79	50.20	68.20	-18.00	Average	0.00
2	5925.000	10.87	34.25	29.72	34.62	50.02	68.20	-18.18	Average	0.00
3 pp	5955.000	10.85	34.22	29.71	83.36	98.72	68.20	30.52	Average	0.00

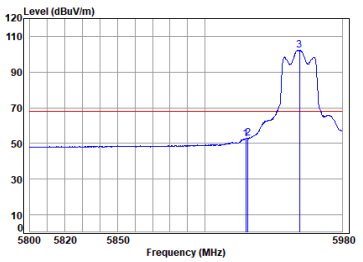
11ax_20M_TX_CH_001_Vertical-Peak



Condition: 3m VERTICAL
Job No : 00366AT
Mode : 5955 Band edge
: Wi-Fi 6E 11AX20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1	5923.610	10.87	34.25	29.72	51.06	66.46	88.20	-21.74	Peak	0.00
2	5925.000	10.87	34.25	29.72	49.99	65.39	88.20	-22.81	Peak	0.00
3 pp	5955.000	10.85	34.22	29.71	98.42	113.78	88.20	25.58	Peak	0.00

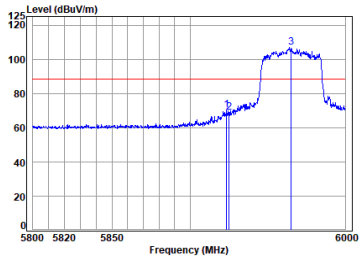
11ax_20M_TX_CH_001_Vertical-AVG



Condition: 3m VERTICAL
Job No : 00366AT
Mode : 5955 Band edge
: Wi-Fi 6E 11AX20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1	5923.792	10.87	34.25	29.72	37.13	52.53	68.20	-15.67	Average	0.00
2	5925.000	10.87	34.25	29.72	37.52	52.92	68.20	-15.28	Average	0.00
3 pp	5955.000	10.85	34.22	29.71	87.05	102.41	68.20	34.21	Average	0.00

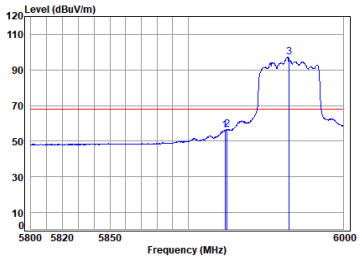
11ax_40M_TX_CH_003_Horizontal-Peak



Condition: 3m HORIZONTAL
Job No : 00366AT
Mode : 5965 Band edge
: Wi-Fi 6E 11AX40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1	5923.200	10.87	34.25	29.72	54.83	70.23	88.20	-17.97	Peak	0.00
2	5925.000	10.87	34.25	29.72	53.54	68.94	88.20	-19.26	Peak	0.00
3 pp	5965.000	10.84	34.26	29.71	91.35	106.74	88.20	18.54	Peak	0.00

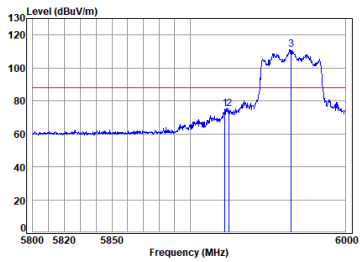
11ax_40M_TX_CH_003_Horizontal-AVG



Condition: 3m HORIZONTAL
Job No : 00366AT
Mode : 5965 Band edge
: Wi-Fi 6E 11AX40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1	5923.602	10.87	34.25	29.72	40.76	56.16	68.20	-12.04	Average	0.00
2	5925.000	10.87	34.25	29.72	41.11	56.51	68.20	-11.69	Average	0.00
3 pp	5965.000	10.84	34.26	29.71	81.70	97.09	68.20	28.89	Average	0.00

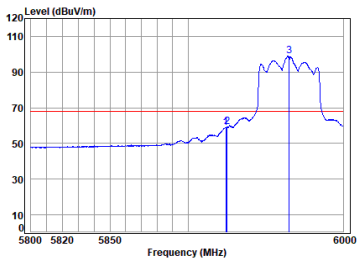
11ax_40M_TX_CH_003_Vertical-Peak



Condition: 3m VERTICAL
Job No : 00366AT
Mode : 5965 Band edge
: Wi-Fi 6E 11AX40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1	5922.196	10.87	34.26	29.72	59.92	75.33	88.20	-12.87	Peak	0.00
2	5925.000	10.87	34.25	29.72	59.78	75.18	88.20	-13.02	Peak	0.00
3 pp	5965.000	10.84	34.26	29.71	95.83	111.22	88.20	23.02	Peak	0.00

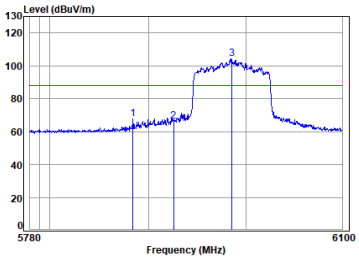
11ax_40M_TX_CH_003_Vertical-AVG



Condition: 3m VERTICAL
Job No : 00366AT
Mode : 5965 Band edge
: Wi-Fi 6E 11AX40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1	5924.003	10.87	34.25	29.72	43.60	59.00	68.20	-9.20	Average	0.00
2	5925.000	10.87	34.25	29.72	43.91	59.31	68.20	-8.89	Average	0.00
3 pp	5965.000	10.84	34.26	29.71	83.50	98.89	68.20	30.69	Average	0.00

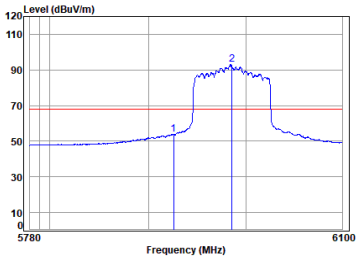
11ax_80M_TX_CH_007_Horizontal-Peak



Condition: 3m HORIZONTAL
Job No : 00366AT
Mode : 5985 Band edge
: Wi-Fi 6E 11AX80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1	5883.700	10.91	34.27	29.73	52.41	67.86	88.20	-20.34	Peak	0.00
2	5925.000	10.87	34.25	29.72	50.84	66.24	88.20	-21.96	Peak	0.00
3 pp	5985.000	10.82	34.34	29.70	88.80	104.26	88.20	16.06	Peak	0.00

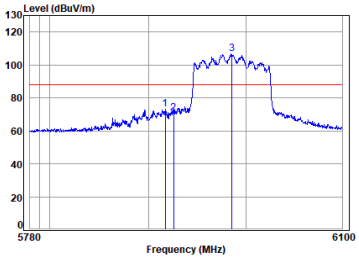
11ax_80M_TX_CH_007_Horizontal-AVG



Condition: 3m HORIZONTAL
Job No : 00366AT
Mode : 5985 Band edge
: Wi-Fi 6E 11AX80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1	5925.000	10.87	34.25	29.72	38.42	53.82	68.20	-14.38	Average	0.00
2 pp	5985.000	10.82	34.34	29.70	77.67	93.13	68.20	24.93	Average	0.00

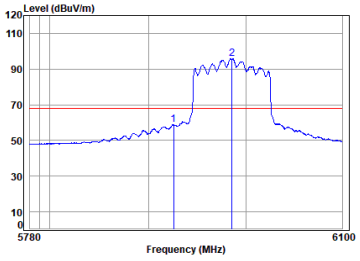
11ax_80M_TX_CH_007_Vertical-Peak



Condition: 3m VERTICAL
Job No : 00366AT
Mode : 5985 Band edge
: Wi-Fi 6E 11AX80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1	5916.765	10.88	34.27	29.72	57.55	72.98	88.20	-15.22	Peak	0.00
2	5925.000	10.87	34.25	29.72	55.41	70.81	88.20	-17.39	Peak	0.00
3 pp	5985.000	10.82	34.34	29.70	91.14	106.60	88.20	18.40	Peak	0.00

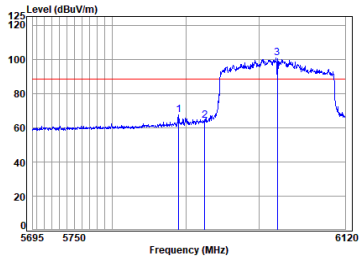
11ax_80M_TX_CH_007_Vertical-AVG



Condition: 3m VERTICAL
Job No : 00366AT
Mode : 5985 Band edge
: Wi-Fi 6E 11AX80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1	5925.000	10.87	34.25	29.72	43.46	58.86	68.20	-9.34	Average	0.00
2 pp	5985.000	10.82	34.34	29.70	80.48	95.94	68.20	27.74	Average	0.00

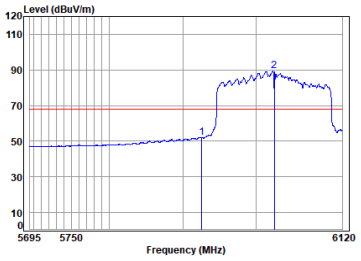
11ax_160M_TX_CH_015_Horizontal-Peak



Condition: 3m HORIZONTAL
Job No : 00366AT
Mode : 6025 Band edge
: Wi-Fi 6E 11AX160

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1	5889.671	10.90	34.28	29.73	52.01	67.46	88.20	-20.74	Peak	0.00
2	5925.000	10.87	34.25	29.72	48.85	64.25	88.20	-23.95	Peak	0.00
3 pp	6025.000	10.82	34.35	29.72	85.25	100.70	88.20	12.50	Peak	0.00

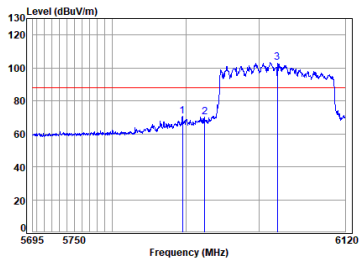
11ax_160M_TX_CH_015_Horizontal-AVG



Condition: 3m HORIZONTAL
Job No : 00366AT
Mode : 6025 Band edge
: Wi-Fi 6E 11AX160

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1	5925.000	10.87	34.25	29.72	36.76	52.16	68.20	-16.04	Average	0.00
2 pp	6025.000	10.82	34.35	29.72	73.87	89.32	68.20	21.12	Average	0.00

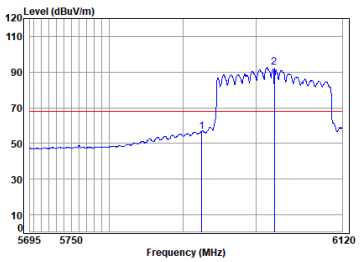
11ax_160M_TX_CH_015_Vertical-Peak



Condition: 3m VERTICAL
Job No : 00366AT
Mode : 6025 Band edge
: Wi-Fi 6E 11AX160

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1	5894.760	10.90	34.29	29.73	55.34	70.80	88.20	-17.40	Peak	0.00
2	5925.000	10.87	34.25	29.72	54.65	70.05	88.20	-18.15	Peak	0.00
3 pp	6025.000	10.82	34.35	29.72	87.68	103.13	88.20	14.93	Peak	0.00

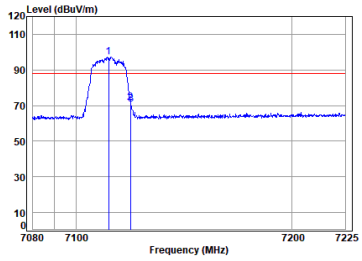
11ax_160M_TX_CH_015_Vertical-AVG



Condition: 3m VERTICAL
Job No : 00366AT
Mode : 6025 Band edge
: Wi-Fi 6E 11AX160

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1	5925.000	10.87	34.25	29.72	41.23	56.63	68.20	-11.57	Average	0.00
2 pp	6025.000	10.82	34.35	29.72	77.01	92.46	68.20	24.26	Average	0.00

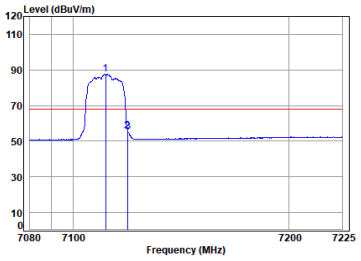
11a_TX_CH_233_Horizontal-Peak



Condition: 3m HORIZONTAL
Job No : 00366AT
Mode : 7115 Band edge
: Wi-Fi 6E 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1 pp	7115.000	11.81	36.73	30.34	79.12	97.32	88.20	9.12	Peak	0.00
2	7125.000	11.82	36.75	30.34	53.63	71.86	88.20	-16.34	Peak	0.00
3	7125.214	11.82	36.75	30.34	52.61	70.84	88.20	-17.36	Peak	0.00

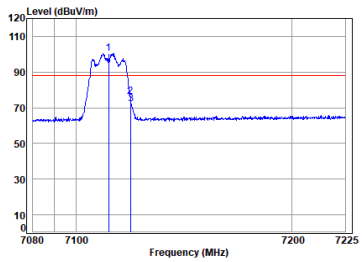
11a_TX_CH_233_Horizontal-Avg



Condition: 3m HORIZONTAL
Job No : 00366AT
Mode : 7115 Band edge
: Wi-Fi 6E 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1 pp	7115.000	11.81	36.73	30.34	69.61	87.81	68.20	19.61	Average	0.00
2	7125.000	11.82	36.75	30.34	37.30	55.53	68.20	-12.67	Average	0.00
3	7125.214	11.82	36.75	30.34	37.10	55.33	68.20	-12.87	Average	0.00

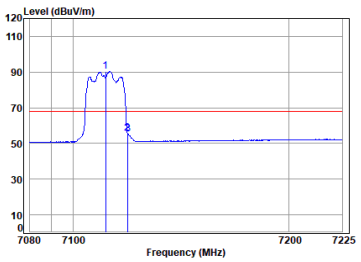
11a_TX_CH_233_Vertical-Peak



Condition: 3m VERTICAL
Job No : 00366AT
Mode : 7115 Band edge
: Wi-Fi 6E 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1 pp	7115.000	11.81	36.73	30.34	82.23	100.43	88.20	12.23	Peak	0.00
2	7125.000	11.82	36.75	30.34	57.77	76.00	88.20	-12.20	Peak	0.00
3	7125.214	11.82	36.75	30.34	54.09	72.32	88.20	-15.88	Peak	0.00

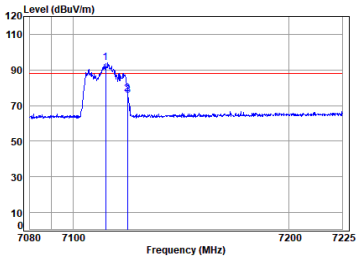
11a_TX_CH_233_Vertical-Avg



Condition: 3m VERTICAL
Job No : 00366AT
Mode : 7115 Band edge
: Wi-Fi 6E 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1 pp	7115.000	11.81	36.73	30.34	72.16	90.36	68.20	22.16	Average	0.00
2	7125.000	11.82	36.75	30.34	37.21	55.44	68.20	-12.76	Average	0.00
3	7125.214	11.82	36.75	30.34	37.08	55.31	68.20	-12.89	Average	0.00

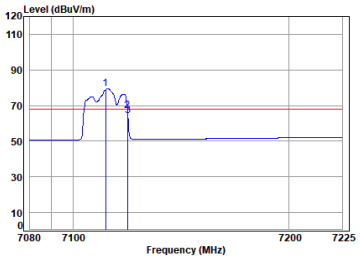
11ax_20M_TX_CH_233_Horizontal-Peak



Condition: 3m HORIZONTAL
Job No : 00366AT
Mode : 7115 Band edge
: Wi-Fi 6E 11AX20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1 pp	7115.000	11.81	36.73	30.34	75.90	94.10	88.20	5.90	Peak	0.00
2	7125.000	11.82	36.75	30.34	58.30	76.53	88.20	-11.67	Peak	0.00
3	7125.214	11.82	36.75	30.34	57.44	75.67	88.20	-12.53	Peak	0.00

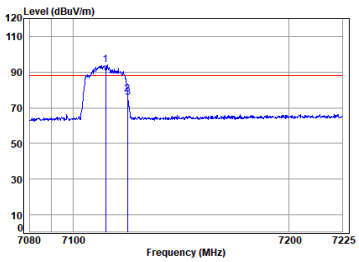
11ax_20M_TX_CH_233_Horizontal-AVG



Condition: 3m HORIZONTAL
Job No : 00366AT
Mode : 7115 Band edge
: Wi-Fi 6E 11AX20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1 pp	7115.000	11.81	36.73	30.34	61.39	79.59	68.20	11.39	Average	0.00
2	7125.000	11.82	36.75	30.34	48.77	67.00	68.20	-1.20	Average	0.00
3	7125.214	11.82	36.75	30.34	46.29	64.52	68.20	-3.68	Average	0.00

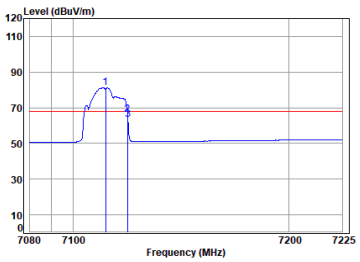
11ax_20M_TX_CH_233_Vertical-Peak



Condition: 3m VERTICAL
Job No : 00366AT
Mode : 7115 Band edge
: Wi-Fi 6E 11AX20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1 pp	7115.000	11.81	36.73	30.34	75.91	94.11	88.20	5.91	Peak	0.00
2	7125.000	11.82	36.75	30.34	59.47	77.70	88.20	-10.50	Peak	0.00
3	7125.214	11.82	36.75	30.34	57.50	75.73	88.20	-12.47	Peak	0.00

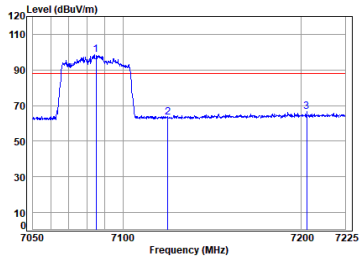
11ax_20M_TX_CH_233_Vertical-AVG



Condition: 3m VERTICAL
Job No : 00366AT
Mode : 7115 Band edge
: Wi-Fi 6E 11AX20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1 pp	7115.000	11.81	36.73	30.34	63.02	81.22	68.20	13.02	Average	0.00
2	7125.000	11.82	36.75	30.34	47.72	65.95	68.20	-2.25	Average	0.00
3	7125.214	11.82	36.75	30.34	45.21	63.44	68.20	-4.76	Average	0.00

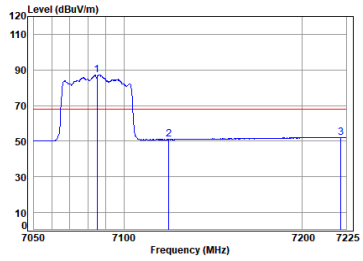
11ax_40M_TX_CH_227_Horizontal-Peak



Condition: 3m HORIZONTAL
Job No : 00366AT
Mode : 7085 Band edge
: Wi-Fi 6E 11AX40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1 pp	7085.000	11.77	36.61	30.33	80.39	98.44	88.20	10.24	Peak	0.00
2	7125.000	11.82	36.75	30.34	45.21	63.44	88.20	-24.76	Peak	0.00
3	7203.243	11.89	36.99	30.36	47.93	66.45	88.20	-21.75	Peak	0.00

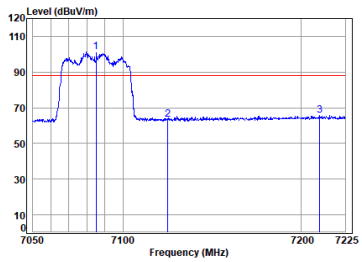
11ax_40M_TX_CH_227_Horizontal-AVG



Condition: 3m HORIZONTAL
Job No : 00366AT
Mode : 7085 Band edge
: Wi-Fi 6E 11AX40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1 pp	7085.000	11.77	36.61	30.33	69.30	87.35	68.20	19.15	Average	0.00
2	7125.000	11.82	36.75	30.34	32.70	50.93	68.20	-17.27	Average	0.00
3	7221.989	11.89	36.96	30.37	33.65	52.13	68.20	-16.07	Average	0.00

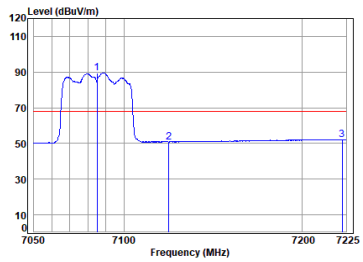
11ax_40M_TX_CH_227_Vertical-Peak



Condition: 3m VERTICAL
Job No : 00366AT
Mode : 7085 Band edge
: Wi-Fi 6E 11AX40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1 pp	7085.000	11.77	36.61	30.33	83.21	101.26	88.20	13.06	Peak	0.00
2	7125.000	11.82	36.75	30.34	45.31	63.54	88.20	-24.66	Peak	0.00
3	7210.665	11.89	36.98	30.37	47.31	65.81	88.20	-22.39	Peak	0.00

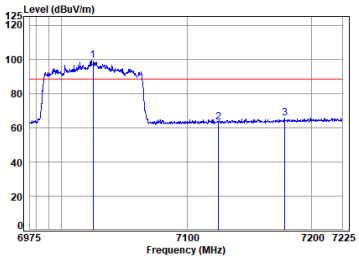
11ax_40M_TX_CH_227_Vertical-AVG



Condition: 3m VERTICAL
Job No : 00366AT
Mode : 7085 Band edge
: Wi-Fi 6E 11AX40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1 pp	7085.000	11.77	36.61	30.33	71.43	89.48	68.20	21.28	Average	0.00
2	7125.000	11.82	36.75	30.34	32.60	50.83	68.20	-17.37	Average	0.00
3	7222.697	11.89	36.95	30.37	33.67	52.14	68.20	-16.06	Average	0.00

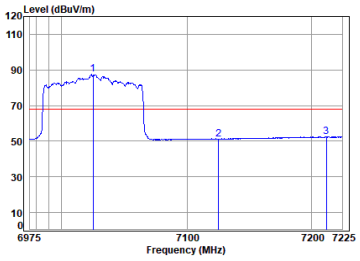
11ax_80M_TX_CH_215_Horizontal-Peak



Condition: 3m HORIZONTAL
Job No : 00366AT
Mode : 7025 Band edge
: Wi-Fi 6E 11AX80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1 pp	7025.000	11.64	36.35	30.31	81.54	99.22	88.20	11.02	Peak	0.00
2	7125.000	11.82	36.75	30.34	44.98	63.21	88.20	-24.99	Peak	0.00
3	7178.336	11.87	36.91	30.36	47.15	65.57	88.20	-22.63	Peak	0.00

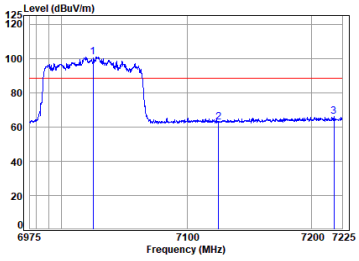
11ax_80M_TX_CH_215_Horizontal-AVG



Condition: 3m HORIZONTAL
Job No : 00366AT
Mode : 7025 Band edge
: Wi-Fi 6E 11AX80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1 pp	7025.000	11.64	36.35	30.31	69.91	87.59	68.20	19.39	Average	0.00
2	7125.000	11.82	36.75	30.34	32.95	51.18	68.20	-17.02	Average	0.00
3	7212.290	11.89	36.98	30.37	33.94	52.44	68.20	-15.76	Average	0.00

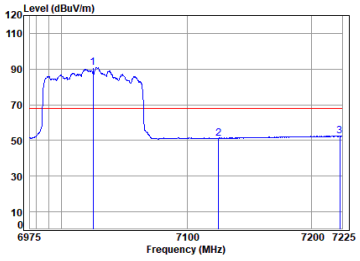
11ax_80M_TX_CH_215_Vertical-Peak



Condition: 3m VERTICAL
Job No : 00366AT
Mode : 7025 Band edge
: Wi-Fi 6E 11AX80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1 pp	7025.000	11.64	36.35	30.31	83.27	100.95	88.20	12.75	Peak	0.00
2	7125.000	11.82	36.75	30.34	44.41	62.64	88.20	-25.56	Peak	0.00
3	7218.388	11.89	36.96	30.37	47.39	65.87	88.20	-22.33	Peak	0.00

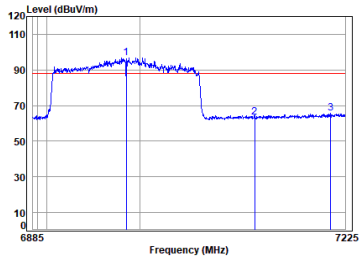
11ax_80M_TX_CH_215_Vertical-AVG



Condition: 3m VERTICAL
Job No : 00366AT
Mode : 7025 Band edge
: Wi-Fi 6E 11AX80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1 pp	7025.000	11.64	36.35	30.31	73.19	90.87	68.20	22.67	Average	0.00
2	7125.000	11.82	36.75	30.34	33.00	51.23	68.20	-16.97	Average	0.00
3	7223.219	11.89	36.95	30.37	33.92	52.39	68.20	-15.81	Average	0.00

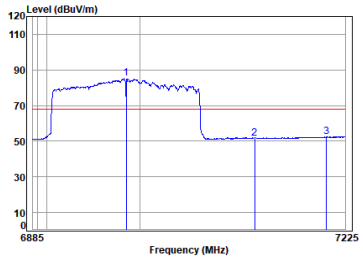
11ax_160M_TX_CH_207_Horizontal-Peak



Condition: 3m HORIZONTAL
Job No : 00366AT
Mode : 6985 Band edge
: Wi-Fi 6E 11AX160

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1 pp	6985.000	11.57	36.27	30.29	79.29	96.84	88.20	8.64	Peak	0.00
2	7125.000	11.82	36.75	30.34	45.13	63.36	88.20	-24.84	Peak	0.00
3	7208.998	11.89	36.98	30.37	47.20	65.70	88.20	-22.50	Peak	0.00

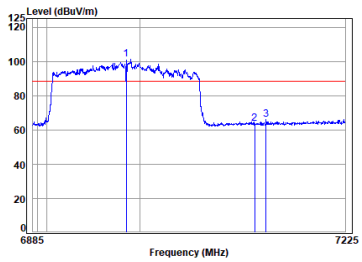
11ax_160M_TX_CH_207_Horizontal-AVG



Condition: 3m HORIZONTAL
Job No : 00366AT
Mode : 6985 Band edge
: Wi-Fi 6E 11AX160

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1 pp	6985.000	11.57	36.27	30.29	67.58	85.13	68.20	16.93	Average	0.00
2	7125.000	11.82	36.75	30.34	33.38	51.61	68.20	-16.59	Average	0.00
3	7204.135	11.89	36.99	30.36	33.97	52.49	68.20	-15.71	Average	0.00

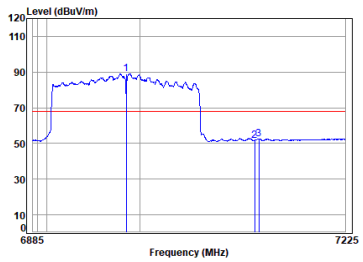
11ax_160M_TX_CH_207_Vertical-Peak



Condition: 3m VERTICAL
Job No : 00366AT
Mode : 6985 Band edge
: Wi-Fi 6E 11AX160

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1 pp	6985.000	11.57	36.27	30.29	83.78	101.33	88.20	13.13	Peak	0.00
2	7125.000	11.82	36.75	30.34	45.56	63.79	88.20	-24.41	Peak	0.00
3	7137.425	11.83	36.77	30.34	47.99	66.25	88.20	-21.95	Peak	0.00

11ax_160M_TX_CH_207_Vertical-AVG



Condition: 3m VERTICAL
Job No : 00366AT
Mode : 6985 Band edge
: Wi-Fi 6E 11AX160

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1 pp	6985.000	11.57	36.27	30.29	71.54	89.09	68.20	20.89	Average	0.00
2	7125.000	11.82	36.75	30.34	33.51	51.74	68.20	-16.46	Average	0.00
3	7129.517	11.83	36.76	30.34	34.23	52.48	68.20	-15.72	Average	0.00

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7.3 Radiated Emissions (Below 1GHz)

Test Requirement 47 CFR Part 15, Subpart C 15.209 & Subpart E 15.407(b)
Test Method: ANSI C63.10 (2020) Section 6.4,6.5
Measurement Distance: 3m
Test Engineer: Kaito Zeng
Limit:

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

Note

1. The emission limits for the ranges 9-90 kHz and 110-490 kHz are based on measurements employing a linear average detector.

2. At frequencies below 1GHz, measurements may be performed at a distance different to specified in the regulations.

Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor+ Aux Factor (if applicable)

The aux factor needs to be added when measurements are performed at a distance other than the limit distance provided.

EX. Below 30MHz, Aux Factor = 40 dB/decade of distance, the aux factor is 40log(3/300) = -80dB (for 3m test distance).

EX. Above 30MHz, Aux Factor = 20 dB/decade of distance, the aux factor is 20log(10/3) = 10.46dB (for 10m test distance).

7.3.1 E.U.T. Operation

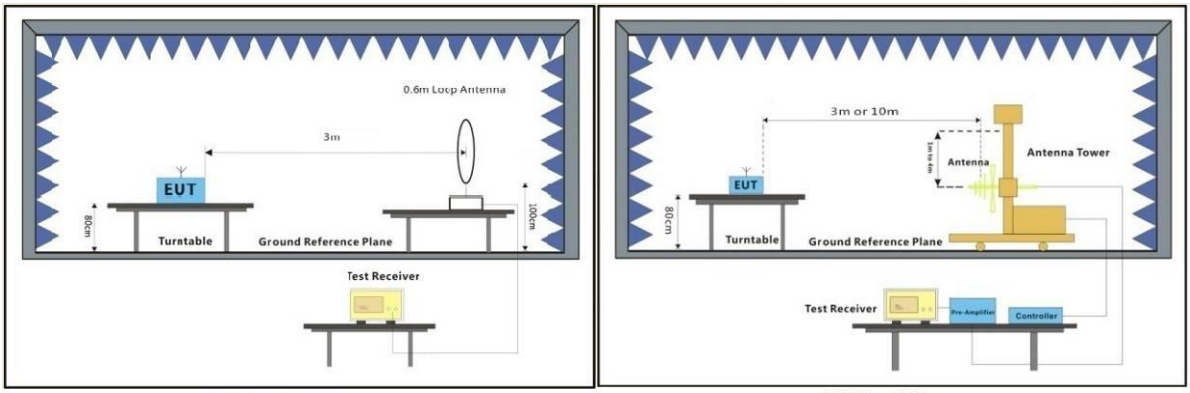
Operating Environment:

Temperature: 23.5 °C Humidity: 46.8 % RH Atmospheric Pressure: 1020 mbar

7.3.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	18	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 @ 6Mbps is the worst case of IEEE 802.11a; data rate @ HT0/HT8 is the worst case of IEEE 802.11n(20MHz); data rate @ HT0/HT8 is the worst case of IEEE 802.11n(40MHz); data rate @ VHT0 is the worst case of IEEE 802.11ac(80MHz); data rate @ VHT0 is the worst case of IEEE 802.11ac(160MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(20MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(40MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(80MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(160MHz). Only the data of worst case is recorded in the report.
Pre-scan	19	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 @ 6Mbps is the worst case of IEEE 802.11a; data rate @ HT0/HT8 is the worst case of IEEE 802.11n(20MHz); data rate @ HT0/HT8 is the worst case of IEEE 802.11n(40MHz); data rate @ VHT0 is the worst case of IEEE 802.11ac(80MHz); data rate @ VHT0 is the worst case of IEEE 802.11ac(160MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(20MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(40MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(80MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(160MHz). Only the data of worst case is recorded in the report.
Pre-scan	20	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 @ 6Mbps is the worst case of IEEE 802.11a; data rate @ HT0/HT8 is the worst case of IEEE 802.11n(20MHz); data rate @ HT0/HT8 is the worst case of IEEE 802.11n(40MHz); data rate @ VHT0 is the worst case of IEEE 802.11ac(80MHz); data rate @ VHT0 is the worst case of IEEE 802.11ac(160MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(20MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(40MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(80MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(160MHz). Only the data of worst case is recorded in the report.
Pre-scan	21	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 @ 6Mbps is the worst case of IEEE 802.11a; data rate @ HT0/HT8 is the worst case of IEEE 802.11n(20MHz); data rate @ HT0/HT8 is the worst case of IEEE 802.11n(40MHz); data rate @ VHT0 is the worst case of IEEE 802.11ac(80MHz); data rate @ VHT0 is the worst case of IEEE 802.11ac(160MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(20MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(40MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(80MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(160MHz). Only the data of worst case is recorded in the report.

7.3.3 Test Setup Diagram



Below 30MHz　　30MHz-1GHz

7.3.4 Measurement Procedure and Data

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

b. The EUT was set 3m away from the interference-receiving antenna, which was mounted on the variable-height antenna tower.

c. The antenna height is varied from 1m to 4m 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 1m to 4m (for the test frequency of below 30MHz, the antenna was tuned to heights 1m) 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.

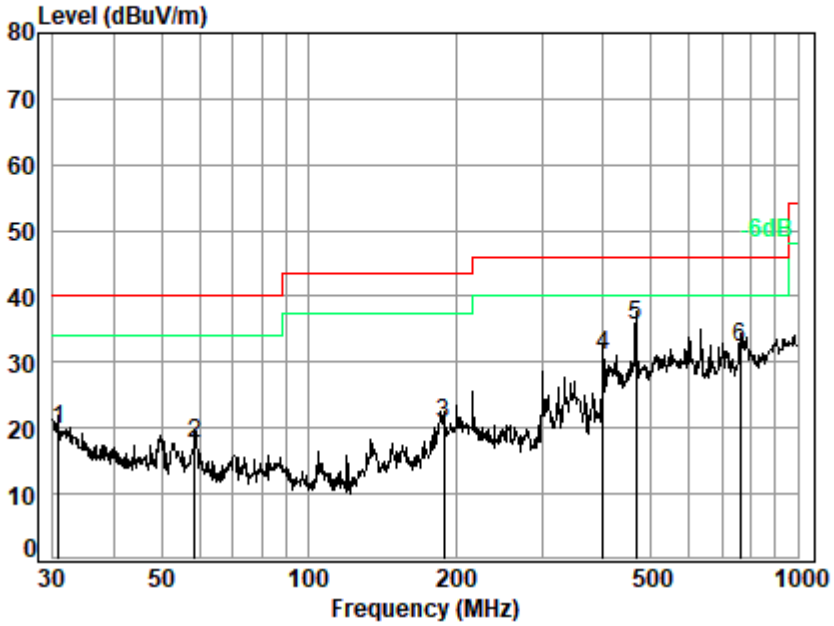
i. Repeat above procedures until all frequencies measured was complete.

Remark:

1. 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 below 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.

2. The disturbance below 1GHz was very low and the harmonics were the highest point could be found when testing, so only the worst-case test curve is displayed.

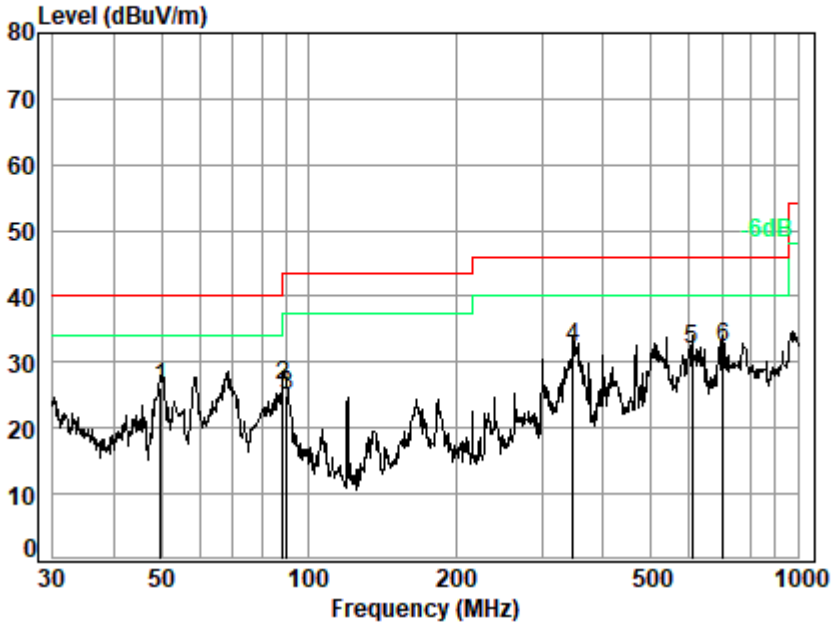
Test Mode: 18; Polarity: Horizontal



Site : chamber
Condition: 3m HORIZONTAL
Job No. : 00366AT
Test Mode: 18

	Freq	Ant Factor	Cable Loss	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB	
1	30.745	21.07	0.75	27.65	25.58	19.75	40.00	-20.25	QP
2	58.407	11.54	0.92	27.62	32.92	17.76	40.00	-22.24	QP
3	189.074	14.35	1.66	27.78	32.39	20.62	43.50	-22.88	QP
4	400.432	20.48	2.49	27.75	35.69	30.91	46.00	-15.09	QP
5 q	467.235	21.93	2.71	27.88	38.92	35.68	46.00	-10.32	QP
6	760.704	26.89	3.58	27.69	29.54	32.32	46.00	-13.68	QP

Test Mode: 18; Polarity: Vertical



Site : chamber
Condition: 3m VERTICAL
Job No. : 00366AT
Test Mode: 18

	Freq	Ant Factor	Cable Loss	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB	
1	49.881	13.07	0.90	27.63	39.78	26.12	40.00	-13.88	QP
2	88.652	11.65	1.17	27.61	41.33	26.54	43.50	-16.96	QP
3	90.220	11.83	1.18	27.60	39.42	24.83	43.50	-18.67	QP
4	346.809	19.53	2.30	27.63	37.95	32.15	46.00	-13.85	QP
5	607.787	24.22	3.13	28.08	32.81	32.08	46.00	-13.92	QP
6 q	704.226	25.95	3.42	27.82	30.60	32.15	46.00	-13.85	QP

7.4 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 & 12.7
Measurement Distance: 3m
Test Engineer: Xing Guo
Limit:

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

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

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

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

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

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

Remark:

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

2. Above 18GHz, measurements may be performed at a distance shorter than that specified in the regulations

Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor+ Aux Factor (if applicable)

The aux factor needs to be added when measurements are performed at a distance other than the limit distance provided.

EX. Above 18GHz, Aux Factor = 20 dB/decade of distance, the aux factor is 20log(1/3) = -9.54dB (for 1m test distance).

7.4.1 E.U.T. Operation

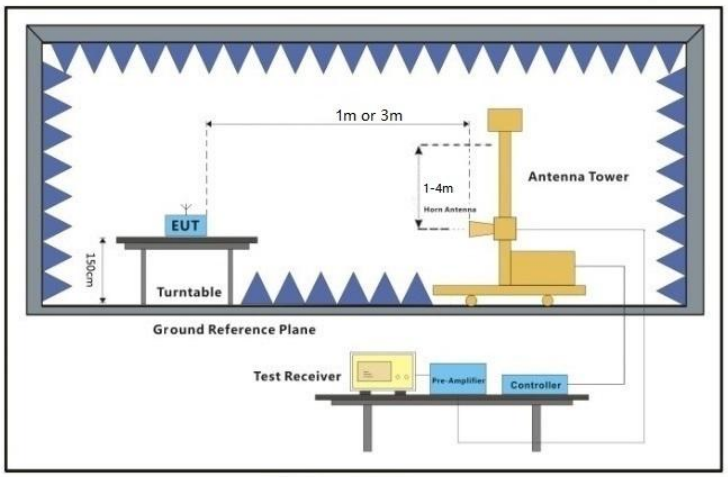
Operating Environment:

Temperature: 23.5 °C Humidity: 57.8 % RH Atmospheric Pressure: 1020 mbar

7.4.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	18	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 @ 6Mbps is the worst case of IEEE 802.11a; data rate @ HT0/HT8 is the worst case of IEEE 802.11n(20MHz); data rate @ HT0/HT8 is the worst case of IEEE 802.11n(40MHz); data rate @ VHT0 is the worst case of IEEE 802.11ac(80MHz); data rate @ VHT0 is the worst case of IEEE 802.11ac(160MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(20MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(40MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(80MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(160MHz). Only the data of worst case is recorded in the report.
Final test	19	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 @ 6Mbps is the worst case of IEEE 802.11a; data rate @ HT0/HT8 is the worst case of IEEE 802.11n(20MHz); data rate @ HT0/HT8 is the worst case of IEEE 802.11n(40MHz); data rate @ VHT0 is the worst case of IEEE 802.11ac(80MHz); data rate @ VHT0 is the worst case of IEEE 802.11ac(160MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(20MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(40MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(80MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(160MHz). Only the data of worst case is recorded in the report.
Final test	20	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 @ 6Mbps is the worst case of IEEE 802.11a; data rate @ HT0/HT8 is the worst case of IEEE 802.11n(20MHz); data rate @ HT0/HT8 is the worst case of IEEE 802.11n(40MHz); data rate @ VHT0 is the worst case of IEEE 802.11ac(80MHz); data rate @ VHT0 is the worst case of IEEE 802.11ac(160MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(20MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(40MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(80MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(160MHz). Only the data of worst case is recorded in the report.
Final test	21	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 @ 6Mbps is the worst case of IEEE 802.11a; data rate @ HT0/HT8 is the worst case of IEEE 802.11n(20MHz); data rate @ HT0/HT8 is the worst case of IEEE 802.11n(40MHz); data rate @ VHT0 is the worst case of IEEE 802.11ac(80MHz); data rate @ VHT0 is the worst case of IEEE 802.11ac(160MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(20MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(40MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(80MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(160MHz). Only the data of worst case is recorded in the report.

7.4.3 Test Setup Diagram



Above 1GHz

7.4.4 Measurement Procedure and Data

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

b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.

c. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.

d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.

e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.

f. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak or average method as specified and then reported in a data sheet.

g. Test the EUT in the lowest channel, the middle channel, the Highest channel.

h. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case.

i. Repeat above procedures until all frequencies measured was complete.

Remark:

1. Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor

2. Scan from 1GHz to 40GHz, 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.

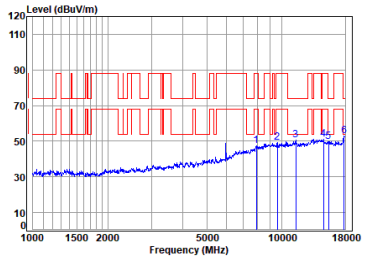
4. The disturbance above 18GHz were very low and the below harmonics were the highest point could be found when testing, so only the below harmonics had been displayed.

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 ≥1/T (Duty cycle<98%) or 10Hz (Duty cycle≥98%) for Average detection (AV) at frequency above 1GHz.

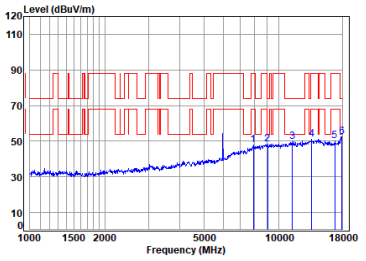
11a_TX_CH_001_Horizontal



Condition: 3m HORIZONTAL
Job No : 00366AT
Mode : 5955 TX RSE
: Wi-Fi 6E 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1	7920.911	12.77	37.30	55.94	53.39	47.52	88.20	-40.68	Peak	0.00
2	9613.430	12.63	38.75	54.01	51.77	49.14	88.20	-39.06	Peak	0.00
3	11400.910	14.30	39.30	53.38	50.55	50.77	74.00	-23.23	Peak	0.00
4	14702.910	16.47	40.20	54.10	48.54	51.11	88.20	-37.09	Peak	0.00
5	15443.410	17.70	38.96	53.92	47.16	49.90	74.00	-24.10	Peak	0.00
6	pp17844.590	19.19	41.56	54.24	46.46	52.97	74.00	-21.03	Peak	0.00

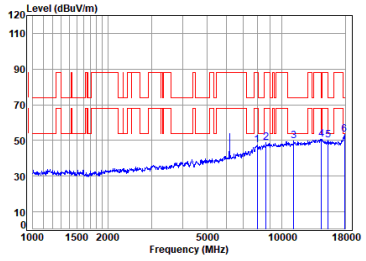
11a_TX_CH_001_Vertical



Condition: 3m VERTICAL
Job No : 00366AT
Mode : 5955 TX RSE
: Wi-Fi 6E 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1	7898.049	12.88	37.29	55.96	53.84	48.05	88.20	-40.15	Peak	0.00
2	9021.160	12.35	38.48	54.68	52.41	48.56	74.00	-25.44	Peak	0.00
3	11368.000	14.40	39.33	53.39	49.20	49.54	74.00	-24.46	Peak	0.00
4	13559.880	16.04	40.48	53.97	48.71	51.26	88.20	-36.94	Peak	0.00
5	16842.290	18.22	38.60	53.87	47.34	50.29	88.20	-37.91	Peak	0.00
6	pp17948.050	18.95	42.29	54.28	45.56	52.52	74.00	-21.48	Peak	0.00

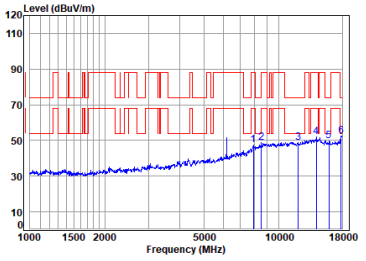
11a_TX_CH_045_Horizontal



Condition: 3m HORIZONTAL
Job No : 00366AT
Mode : 6175 TX RSE
: Wi-Fi 6E 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1	7966.832	12.46	37.27	55.92	53.45	47.26	88.20	-40.94	Peak	0.00
2	8663.404	12.41	38.23	55.09	53.42	48.97	88.20	-39.23	Peak	0.00
3	11172.560	14.29	39.45	53.45	49.51	49.80	74.00	-24.20	Peak	0.00
4	14450.130	16.89	40.30	54.10	47.71	50.80	88.20	-37.40	Peak	0.00
5	15398.830	17.93	39.00	53.94	47.22	50.21	74.00	-23.79	Peak	0.00
6	pp17896.250	19.26	41.97	54.26	46.28	53.25	74.00	-20.75	Peak	0.00

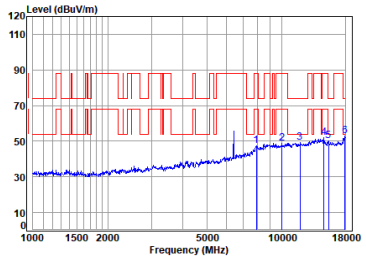
11a_TX_CH_045_Vertical



Condition: 3m VERTICAL
Job No : 00366AT
Mode : 6175 TX RSE
: Wi-Fi 6E 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1	7920.911	12.77	37.30	55.94	53.34	47.47	88.20	-40.73	Peak	0.00
2	8514.456	12.69	37.80	55.27	53.76	48.98	88.20	-39.22	Peak	0.00
3	11975.100	14.47	39.23	53.21	48.53	49.02	74.00	-24.98	Peak	0.00
4	14160.710	16.23	40.46	54.10	49.25	51.84	88.20	-36.36	Peak	0.00
5	15942.300	17.65	38.32	53.72	47.50	49.75	74.00	-24.25	Peak	0.00
6	pp17844.590	19.19	41.56	54.24	46.12	52.63	74.00	-21.37	Peak	0.00

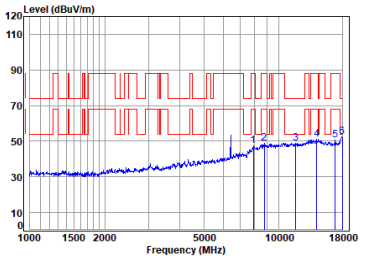
11a_TX_CH_093_Horizontal



Condition: 3m HORIZONTAL
Job No : 00366AT
Mode : 6415 TX RSE
: Wi-Fi 6E 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1	7898.049	12.88	37.29	55.96	53.05	47.26	88.20	-40.94	Peak	0.00
2	10010.420	12.97	38.90	53.60	50.39	48.66	88.20	-39.54	Peak	0.00
3	11871.710	14.60	39.03	53.24	49.04	49.43	74.00	-24.57	Peak	0.00
4	14788.150	16.61	40.11	54.10	49.17	51.79	88.20	-36.41	Peak	0.00
5	15443.410	17.70	38.96	53.92	47.37	50.11	74.00	-23.89	Peak	0.00
6	pp17948.050	18.95	42.29	54.28	45.85	52.81	74.00	-21.19	Peak	0.00

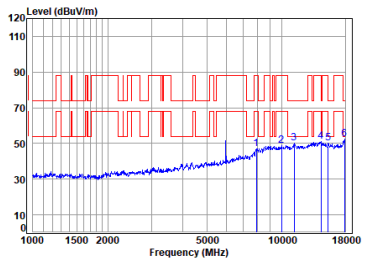
11a_TX_CH_093_Vertical



Condition: 3m VERTICAL
Job No : 00366AT
Mode : 6415 TX RSE
: Wi-Fi 6E 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1	7920.911	12.77	37.30	55.94	53.31	47.44	88.20	-40.76	Peak	0.00
2	8738.852	12.45	38.30	55.00	53.12	48.87	88.20	-39.33	Peak	0.00
3	11735.250	14.45	39.10	53.28	48.72	48.99	74.00	-25.01	Peak	0.00
4	14242.800	16.34	40.46	54.10	48.54	51.24	88.20	-36.96	Peak	0.00
5	16891.040	18.97	38.60	53.88	46.81	50.50	88.20	-37.70	Peak	0.00
6	pp18000.000	18.62	42.60	54.30	45.73	52.65	74.00	-21.35	Peak	0.00

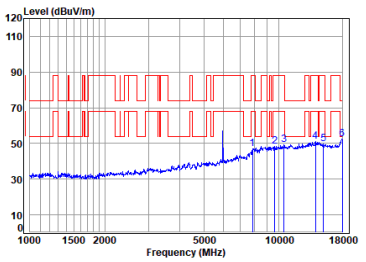
11ax_20M_TX_CH_001_Horizontal



Condition: 3m HORIZONTAL
Job No : 00366AT
Mode : 5955 TX RSE
: Wi-Fi 6E 11AX20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1	7898.049	12.88	37.29	55.96	52.61	46.82	88.20	-41.38	Peak	0.00
2	9981.525	12.93	38.83	53.62	50.71	48.85	88.20	-39.35	Peak	0.00
3	11204.900	14.32	39.50	53.44	49.62	50.00	74.00	-24.00	Peak	0.00
4	14408.430	17.32	40.38	54.10	47.67	51.27	88.20	-36.93	Peak	0.00
5	15398.830	17.93	39.00	53.94	47.27	50.26	74.00	-23.74	Peak	0.00
6	pp17896.250	19.26	41.97	54.26	45.53	52.50	74.00	-21.50	Peak	0.00

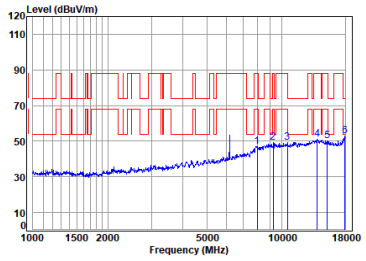
11ax_20M_TX_CH_001_Vertical



Condition: 3m VERTICAL
Job No : 00366AT
Mode : 5955 TX RSE
: Wi-Fi 6E 11AX20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1	7852.524	12.19	37.11	55.98	53.88	47.20	88.20	-41.00	Peak	0.00
2	9641.257	12.72	38.63	53.98	51.15	48.52	88.20	-39.68	Peak	0.00
3	10514.580	13.57	39.30	53.55	49.98	49.30	88.20	-38.90	Peak	0.00
4	14079.080	16.28	40.44	54.10	48.31	50.93	88.20	-37.27	Peak	0.00
5	15134.080	16.70	39.37	54.04	47.56	49.59	88.20	-38.61	Peak	0.00
6	pp18000.000	18.62	42.60	54.30	45.70	52.62	74.00	-21.38	Peak	0.00

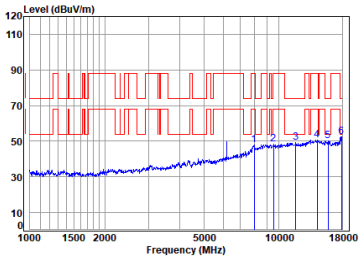
11ax_20M_TX_CH_045_Horizontal



Condition: 3m HORIZONTAL
Job No : 00366AT
Mode : 6175 TX RSE
: Wi-Fi 6E 11AX20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1	7966.832	12.46	37.27	55.92	53.32	47.13	88.20	-41.07	Peak	0.00
2	9258.909	12.40	38.70	54.40	52.64	49.34	88.20	-38.86	Peak	0.00
3	10545.010	13.54	39.30	53.54	50.06	49.36	88.20	-38.84	Peak	0.00
4	13917.240	15.90	40.27	54.08	48.93	51.02	88.20	-37.18	Peak	0.00
5	15265.880	16.96	39.23	53.99	47.98	50.18	88.20	-38.02	Peak	0.00
6	pp17948.050	18.95	42.29	54.28	45.90	52.86	74.00	-21.14	Peak	0.00

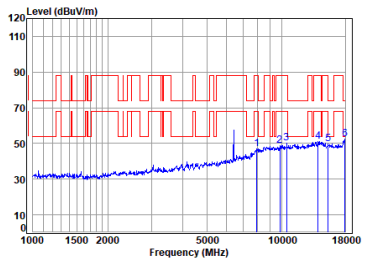
11ax_20M_TX_CH_045_Vertical



Condition: 3m VERTICAL
Job No : 00366AT
Mode : 6175 TX RSE
: Wi-Fi 6E 11AX20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1	7966.832	12.46	37.27	55.92	54.13	47.94	88.20	-40.26	Peak	0.00
2	9530.432	12.58	38.76	54.10	50.97	48.21	88.20	-39.99	Peak	0.00
3	11735.250	14.45	39.10	53.28	48.81	49.08	74.00	-24.92	Peak	0.00
4	14284.030	16.45	40.42	54.10	47.82	50.59	88.20	-37.61	Peak	0.00
5	15804.660	17.34	38.59	53.78	48.10	50.25	74.00	-23.75	Peak	0.00
6	pp17896.250	19.26	41.97	54.26	45.48	52.45	74.00	-21.55	Peak	0.00

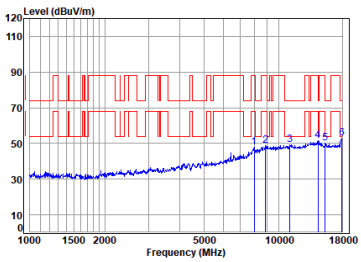
11ax_20M_TX_CH_093_Horizontal



Condition: 3m HORIZONTAL
Job No : 00366AT
Mode : 6415 TX RSE
: Wi-Fi 6E 11AX20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1	7943.838	12.62	37.30	55.93	52.98	46.97	88.20	-41.23	Peak	0.00
2	9838.312	12.89	38.50	53.77	51.15	48.77	88.20	-39.43	Peak	0.00
3	10484.230	13.55	39.28	53.55	50.71	49.99	88.20	-38.21	Peak	0.00
4	13997.930	16.48	40.59	54.10	47.97	50.94	88.20	-37.26	Peak	0.00
5	15398.830	17.93	39.00	53.94	46.86	49.85	74.00	-24.15	Peak	0.00
6	pp17948.050	18.95	42.29	54.28	45.73	52.69	74.00	-21.31	Peak	0.00

11ax_20M_TX_CH_093_Vertical



Condition: 3m VERTICAL
Job No : 00366AT
Mode : 6415 TX RSE
: Wi-Fi 6E 11AX20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1	7966.832	12.46	37.27	55.92	53.91	47.72	88.20	-40.48	Peak	0.00
2	8840.473	12.51	38.38	54.88	52.69	48.70	88.20	-39.50	Peak	0.00
3	11076.100	14.20	39.30	53.48	49.21	49.23	74.00	-24.77	Peak	0.00
4	14408.430	17.32	40.38	54.10	47.84	51.44	88.20	-36.76	Peak	0.00
5	15398.830	17.93	39.00	53.94	47.38	50.37	74.00	-23.63	Peak	0.00
6	pp17948.050	18.95	42.29	54.28	45.92	52.88	74.00	-21.12	Peak	0.00

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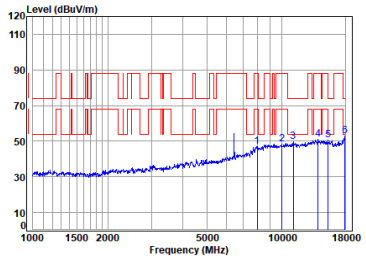
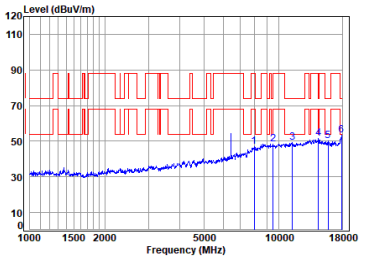
11a_TX_CH_097_Horizontal



Condition: 3m HORIZONTAL
Job No : 00366AT
Mode : 6435 TX RSE
: Wi-Fi 6E 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1	7966.832	12.46	37.27	55.92	53.30	47.11	88.20	-41.09	Peak	0.00
2	10010.420	12.97	38.90	53.60	50.16	48.43	88.20	-39.77	Peak	0.00
3	11140.310	14.27	39.38	53.46	49.36	49.55	74.00	-24.45	Peak	0.00
4	13997.930	16.48	40.59	54.10	48.04	51.01	88.20	-37.19	Peak	0.00
5	15354.390	17.55	39.09	53.96	47.79	50.47	74.00	-23.53	Peak	0.00
6	pp17948.050	18.95	42.29	54.28	45.87	52.83	74.00	-21.17	Peak	0.00

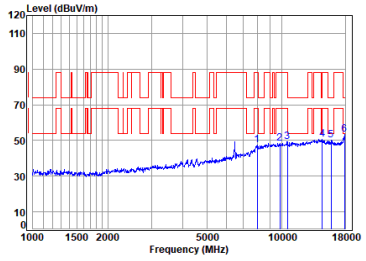
11a_TX_CH_097_Vertical



Condition: 3m VERTICAL
Job No : 00366AT
Mode : 6435 TX RSE
: Wi-Fi 6E 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1	7966.832	12.46	37.27	55.92	53.15	46.96	88.20	-41.24	Peak	0.00
2	9502.925	12.58	38.71	54.13	51.27	48.43	88.20	-39.77	Peak	0.00
3	11335.190	14.50	39.36	53.40	48.95	49.41	74.00	-24.59	Peak	0.00
4	14450.130	16.89	40.30	54.10	48.25	51.34	88.20	-36.86	Peak	0.00
5	15804.660	17.34	38.59	53.78	47.99	50.14	74.00	-23.86	Peak	0.00
6	pp17896.250	19.26	41.97	54.26	46.32	53.29	74.00	-20.71	Peak	0.00

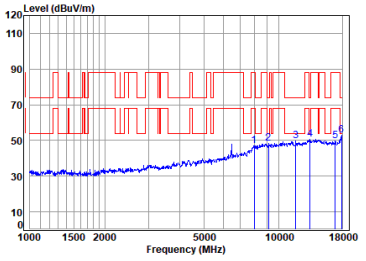
11a_TX_CH_105_Horizontal



Condition: 3m HORIZONTAL
Job No : 00366AT
Mode : 6475 TX RSE
: Wi-Fi 6E 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1	7966.832	12.46	37.27	55.92	53.60	47.41	88.20	-40.79	Peak	0.00
2	9838.312	12.89	38.50	53.77	50.89	48.51	88.20	-39.69	Peak	0.00
3	10545.010	13.54	39.30	53.54	50.11	49.41	88.20	-38.79	Peak	0.00
4	14533.910	16.33	40.20	54.10	48.22	50.65	88.20	-37.55	Peak	0.00
5	15804.660	17.34	38.59	53.78	47.91	50.06	74.00	-23.94	Peak	0.00
6	pp17896.250	19.26	41.97	54.26	46.33	53.30	74.00	-20.70	Peak	0.00

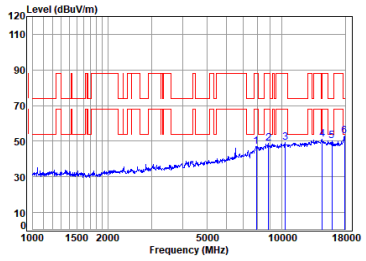
11a_TX_CH_105_Vertical



Condition: 3m VERTICAL
Job No : 00366AT
Mode : 6475 TX RSE
: Wi-Fi 6E 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1	7966.832	12.46	37.27	55.92	53.37	47.18	88.20	-41.02	Peak	0.00
2	9099.724	12.27	38.50	54.58	52.17	48.36	74.00	-25.64	Peak	0.00
3	11735.250	14.45	39.10	53.28	49.24	49.51	74.00	-24.49	Peak	0.00
4	13365.320	15.78	40.40	53.91	48.41	50.68	74.00	-23.32	Peak	0.00
5	16891.040	18.97	38.60	53.88	46.25	49.94	88.20	-38.26	Peak	0.00
6	pp17896.250	19.26	41.97	54.26	45.94	52.91	74.00	-21.09	Peak	0.00

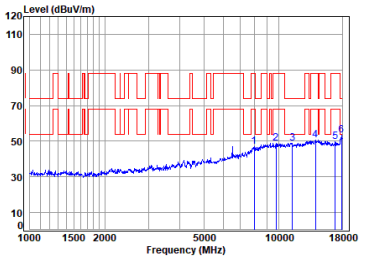
11a_TX_CH_113_Horizontal



Condition: 3m HORIZONTAL
Job No : 00366AT
Mode : 6515 TX RSE
: Wi-Fi 6E 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1	7920.911	12.77	37.30	55.94	53.06	47.19	88.20	-41.01	Peak	0.00
2	8866.062	12.55	38.40	54.85	52.83	48.93	88.20	-39.27	Peak	0.00
3	10333.800	13.41	39.20	53.57	50.13	49.17	88.20	-39.03	Peak	0.00
4	14533.910	16.33	40.20	54.10	48.67	51.10	88.20	-37.10	Peak	0.00
5	15896.290	17.90	38.41	53.74	47.73	50.30	74.00	-23.70	Peak	0.00
6	pp17896.250	19.26	41.97	54.26	45.89	52.86	74.00	-21.14	Peak	0.00

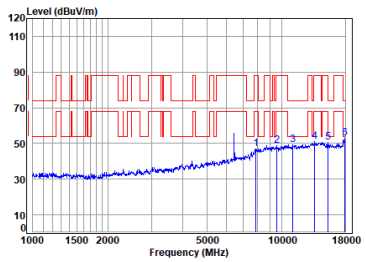
11a_TX_CH_113_Vertical



Condition: 3m VERTICAL
Job No : 00366AT
Mode : 6515 TX RSE
: Wi-Fi 6E 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1	7966.832	12.46	37.27	55.92	53.05	46.86	88.20	-41.34	Peak	0.00
2	9753.371	12.93	38.41	53.86	51.23	48.71	88.20	-39.49	Peak	0.00
3	11335.190	14.50	39.36	53.40	48.47	48.93	74.00	-25.07	Peak	0.00
4	14038.450	16.39	40.52	54.10	48.01	50.82	88.20	-37.38	Peak	0.00
5	16891.040	18.97	38.60	53.88	46.22	49.91	88.20	-38.29	Peak	0.00
6	pp17896.250	19.26	41.97	54.26	46.28	53.25	74.00	-20.75	Peak	0.00

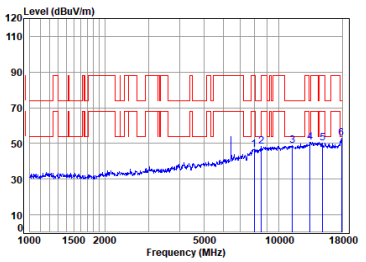
11ax_20M_TX_CH_097_Horizontal



Condition: 3m HORIZONTAL
Job No : 00366AT
Mode : 6435 TX RSE
: Wi-Fi 6E 11AX20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1	7875.254	12.54	37.20	55.97	53.06	46.83	88.20	-41.37	Peak	0.00
2	9585.684	12.58	38.80	54.04	51.53	48.87	88.20	-39.33	Peak	0.00
3	11108.160	14.25	39.32	53.47	49.27	49.37	74.00	-24.63	Peak	0.00
4	13559.880	16.04	40.48	53.97	48.34	50.89	88.20	-37.31	Peak	0.00
5	15398.830	17.93	39.00	53.94	47.59	50.58	74.00	-23.42	Peak	0.00
6	pp17948.050	18.95	42.29	54.28	45.84	52.80	74.00	-21.20	Peak	0.00

11ax_20M_TX_CH_097_Vertical



Condition: 3m VERTICAL
Job No : 00366AT
Mode : 6435 TX RSE
: Wi-Fi 6E 11AX20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1	7966.832	12.46	37.27	55.92	52.92	46.73	88.20	-41.47	Peak	0.00
2	8514.456	12.69	37.80	55.27	53.14	48.36	88.20	-39.84	Peak	0.00
3	11335.190	14.50	39.36	53.40	48.23	48.69	74.00	-25.31	Peak	0.00
4	13365.320	15.78	40.40	53.91	48.52	50.79	74.00	-23.21	Peak	0.00
5	15946.850	16.63	39.45	54.08	48.07	50.07	88.20	-38.13	Peak	0.00
6	pp17896.250	19.26	41.97	54.26	46.09	53.06	74.00	-20.94	Peak	0.00

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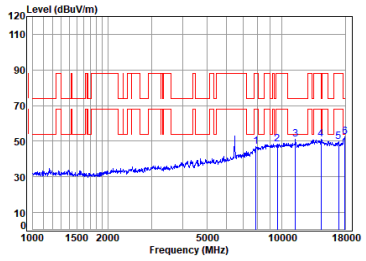
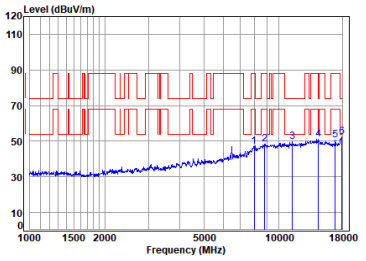
11ax_20M_TX_CH_105_Horizontal



Condition: 3m HORIZONTAL
Job No : 00366AT
Mode : 6475 TX RSE
: Wi-Fi 6E 11AX20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1	7875.254	12.54	37.20	55.97	53.04	46.81	88.20	-41.39	Peak	0.00
2	9613.430	12.63	38.75	54.01	51.04	48.41	88.20	-39.79	Peak	0.00
3	11335.190	14.50	39.36	53.40	50.55	51.01	74.00	-22.99	Peak	0.00
4	14408.430	17.32	40.38	54.10	47.34	50.94	88.20	-37.26	Peak	0.00
5	16939.940	18.58	38.68	53.89	46.53	49.90	88.20	-38.30	Peak	0.00
6	pp17948.050	18.95	42.29	54.28	45.65	52.61	74.00	-21.39	Peak	0.00

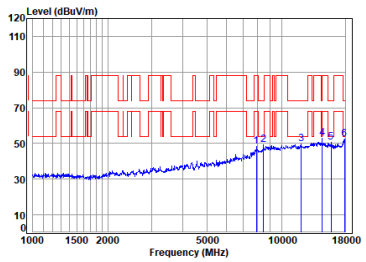
11ax_20M_TX_CH_105_Vertical



Condition: 3m VERTICAL
Job No : 00366AT
Mode : 6475 TX RSE
: Wi-Fi 6E 11AX20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1	7989.893	12.31	37.22	55.91	53.43	47.05	88.20	-41.15	Peak	0.00
2	8789.516	12.45	38.30	54.94	52.78	48.59	88.20	-39.61	Peak	0.00
3	11335.190	14.50	39.36	53.40	49.05	49.51	74.00	-24.49	Peak	0.00
4	14450.130	16.89	40.30	54.10	48.24	51.33	88.20	-36.87	Peak	0.00
5	16891.040	18.97	38.60	53.88	47.05	50.74	88.20	-37.46	Peak	0.00
6	pp17948.050	18.95	42.29	54.28	45.72	52.68	74.00	-21.32	Peak	0.00

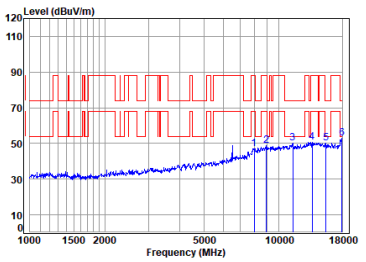
11ax_20M_TX_CH_113_Horizontal



Condition: 3m HORIZONTAL
Job No : 00366AT
Mode : 6515 TX RSE
: Wi-Fi 6E 11AX20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1	7920.911	12.77	37.30	55.94	54.02	48.15	88.20	-40.05	Peak	0.00
2	8465.379	12.45	37.73	55.32	54.42	49.28	74.00	-24.72	Peak	0.00
3	12009.760	14.43	39.29	53.21	49.15	49.66	74.00	-24.34	Peak	0.00
4	14533.910	16.33	40.20	54.10	50.30	52.73	88.20	-35.47	Peak	0.00
5	15804.660	17.34	38.59	53.78	48.39	50.54	74.00	-23.46	Peak	0.00
6	pp17896.250	19.26	41.97	54.26	45.60	52.57	74.00	-21.43	Peak	0.00

11ax_20M_TX_CH_113_Vertical



Condition: 3m VERTICAL
Job No : 00366AT
Mode : 6515 TX RSE
: Wi-Fi 6E 11AX20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1	7966.832	12.46	37.27	55.92	53.25	47.06	88.20	-41.14	Peak	0.00
2	8917.462	12.56	38.43	54.79	52.49	48.69	88.20	-39.51	Peak	0.00
3	11400.910	14.30	39.30	53.38	49.95	50.17	74.00	-23.83	Peak	0.00
4	13638.490	16.26	40.36	53.99	48.05	50.68	88.20	-37.52	Peak	0.00
5	15488.110	17.46	38.91	53.90	47.73	50.20	74.00	-23.80	Peak	0.00
6	pp17948.050	18.95	42.29	54.28	45.94	52.90	74.00	-21.10	Peak	0.00

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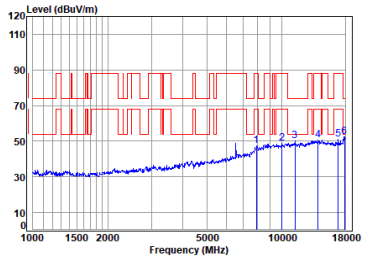
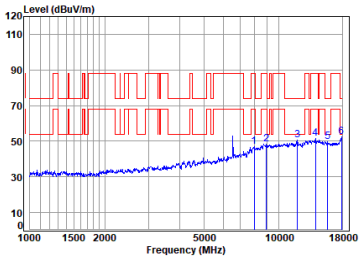
11a_TX_CH_117_Horizontal



Condition: 3m HORIZONTAL
Job No : 00366AT
Mode : 6535 TX RSE
: Wi-Fi 6E 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1	7920.911	12.77	37.30	55.94	53.23	47.36	88.20	-40.84	Peak	0.00
2	10010.420	12.97	38.90	53.60	50.71	48.98	88.20	-39.22	Peak	0.00
3	11302.480	14.60	39.40	53.41	49.49	50.08	74.00	-23.92	Peak	0.00
4	13997.930	16.48	40.59	54.10	47.76	50.73	88.20	-37.47	Peak	0.00
5	16891.040	18.97	38.60	53.88	47.29	50.98	88.20	-37.22	Peak	0.00
6	pp17896.250	19.26	41.97	54.26	45.70	52.67	74.00	-21.33	Peak	0.00

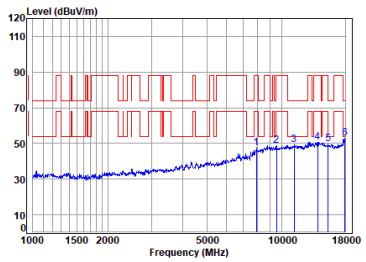
11a_TX_CH_117_Vertical



Condition: 3m VERTICAL
Job No : 00366AT
Mode : 6535 TX RSE
: Wi-Fi 6E 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1	7966.832	12.46	37.27	55.92	52.99	46.80	88.20	-41.40	Peak	0.00
2	8917.462	12.56	38.43	54.79	52.35	48.55	88.20	-39.65	Peak	0.00
3	11906.070	14.63	39.02	53.23	50.19	50.61	74.00	-23.39	Peak	0.00
4	14038.450	16.39	40.52	54.10	48.63	51.44	88.20	-36.76	Peak	0.00
5	15759.050	17.28	38.60	53.79	47.62	49.71	74.00	-24.29	Peak	0.00
6	pp17896.250	19.26	41.97	54.26	45.33	52.30	74.00	-21.70	Peak	0.00

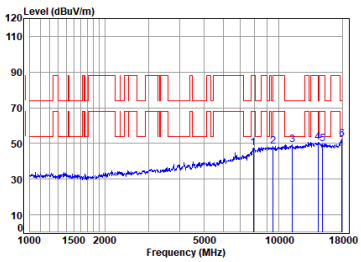
11a_TX_CH_149_Horizontal



Condition: 3m HORIZONTAL
Job No : 00366AT
Mode : 6695 TX RSE
: Wi-Fi 6E 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1	7920.911	12.77	37.30	55.94	53.30	47.43	88.20	-40.77	Peak	0.00
2	9530.432	12.58	38.76	54.10	51.54	48.78	88.20	-39.42	Peak	0.00
3	11237.330	14.42	39.46	53.43	48.82	49.27	74.00	-24.73	Peak	0.00
4	13957.530	16.19	40.43	54.09	48.34	50.87	88.20	-37.33	Peak	0.00
5	15398.830	17.93	39.00	53.94	46.72	49.71	74.00	-24.29	Peak	0.00
6	pp17948.050	18.95	42.29	54.28	46.10	53.06	74.00	-20.94	Peak	0.00

11a_TX_CH_149_Vertical



Condition: 3m VERTICAL
Job No : 00366AT
Mode : 6695 TX RSE
: Wi-Fi 6E 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1	7898.049	12.88	37.29	55.96	53.02	47.23	88.20	-40.97	Peak	0.00
2	9502.925	12.58	38.71	54.13	51.43	48.59	88.20	-39.61	Peak	0.00
3	11335.190	14.50	39.36	53.40	48.91	49.37	74.00	-24.63	Peak	0.00
4	14408.430	17.32	40.38	54.10	47.24	50.84	88.20	-37.36	Peak	0.00
5	15046.850	16.63	39.45	54.08	47.73	49.73	88.20	-38.47	Peak	0.00
6	pp17948.050	18.95	42.29	54.28	45.73	52.69	74.00	-21.31	Peak	0.00

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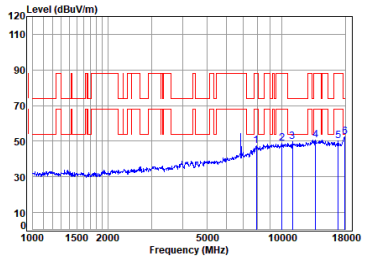
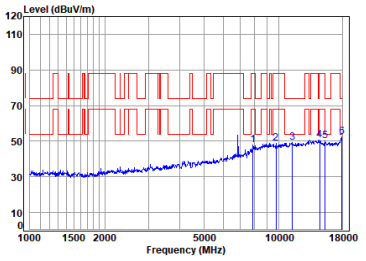
11a_TX_CH_181_Horizontal



Condition: 3m HORIZONTAL
Job No : 00366AT
Mode : 6855 TX RSE
: Wi-Fi 6E 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1	7920.911	12.77	37.30	55.94	53.15	47.28	88.20	-40.92	Peak	0.00
2	10010.420	12.97	38.90	53.60	50.76	49.03	88.20	-39.17	Peak	0.00
3	11044.130	14.15	39.30	53.49	49.82	49.78	74.00	-24.22	Peak	0.00
4	13677.970	16.20	40.32	54.01	48.31	50.82	88.20	-37.38	Peak	0.00
5	16891.040	18.97	38.60	53.88	46.37	50.06	88.20	-38.14	Peak	0.00
6	pp17948.050	18.95	42.29	54.28	45.66	52.62	74.00	-21.38	Peak	0.00

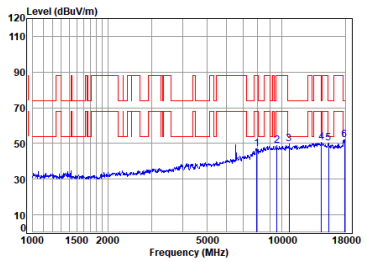
11a_TX_CH_181_Vertical



Condition: 3m VERTICAL
Job No : 00366AT
Mode : 6855 TX RSE
: Wi-Fi 6E 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1	7875.254	12.54	37.20	55.97	53.99	47.76	88.20	-40.44	Peak	0.00
2	9753.371	12.93	38.41	53.86	51.25	48.73	88.20	-39.47	Peak	0.00
3	11335.190	14.50	39.36	53.40	48.81	49.27	74.00	-24.73	Peak	0.00
4	14618.170	16.27	40.20	54.10	48.27	50.64	88.20	-37.56	Peak	0.00
5	15398.830	17.93	39.00	53.94	47.03	50.02	74.00	-23.98	Peak	0.00
6	pp17948.050	18.95	42.29	54.28	45.73	52.69	74.00	-21.31	Peak	0.00

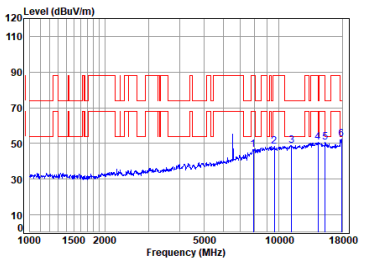
11ax_20M_TX_CH_117_Horizontal



Condition: 3m HORIZONTAL
Job No : 00366AT
Mode : 6535 TX RSE
: Wi-Fi 6E 11AX20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1	7943.838	12.62	37.30	55.93	52.97	46.96	88.20	-41.24	Peak	0.00
2	9558.018	12.58	38.80	54.07	51.29	48.60	88.20	-39.60	Peak	0.00
3	10729.480	13.63	39.33	53.53	50.34	49.77	74.00	-24.23	Peak	0.00
4	14450.130	16.89	40.30	54.10	47.50	50.59	88.20	-37.61	Peak	0.00
5	15443.410	17.70	38.96	53.92	47.47	50.21	74.00	-23.79	Peak	0.00
6	pp17896.250	19.26	41.97	54.26	45.27	52.24	74.00	-21.76	Peak	0.00

11ax_20M_TX_CH_117_Vertical



Condition: 3m VERTICAL
Job No : 00366AT
Mode : 6535 TX RSE
: Wi-Fi 6E 11AX20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1	7898.049	12.88	37.29	55.96	52.50	46.71	88.20	-41.49	Peak	0.00
2	9613.430	12.63	38.75	54.01	50.86	48.23	88.20	-39.97	Peak	0.00
3	11269.860	14.52	39.43	53.42	48.43	48.96	74.00	-25.04	Peak	0.00
4	14408.430	17.32	40.38	54.10	47.21	50.81	88.20	-37.39	Peak	0.00
5	15398.830	17.93	39.00	53.94	47.69	50.68	74.00	-23.32	Peak	0.00
6	pp17896.250	19.26	41.97	54.26	45.61	52.58	74.00	-21.42	Peak	0.00

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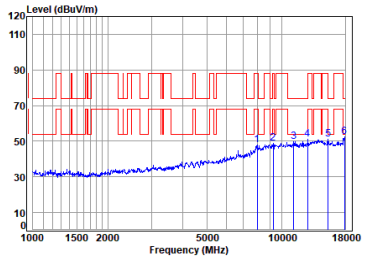
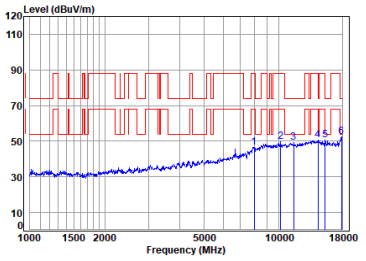
11ax_20M_TX_CH_149_Horizontal



Condition: 3m HORIZONTAL
Job No : 00366AT
Mode : 6695 TX RSE
: Wi-Fi 6E 11AX20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1	7989.893	12.31	37.22	55.91	54.10	47.72	88.20	-40.48	Peak	0.00
2	9258.909	12.40	38.70	54.40	52.10	48.80	88.20	-39.40	Peak	0.00
3	11172.560	14.29	39.45	53.45	49.55	49.84	74.00	-24.16	Peak	0.00
4	12724.470	15.08	39.75	53.64	49.69	50.88	88.20	-37.32	Peak	0.00
5	15398.830	17.93	39.00	53.94	47.89	50.88	74.00	-23.12	Peak	0.00
6	pp17896.250	19.26	41.97	54.26	45.62	52.59	74.00	-21.41	Peak	0.00

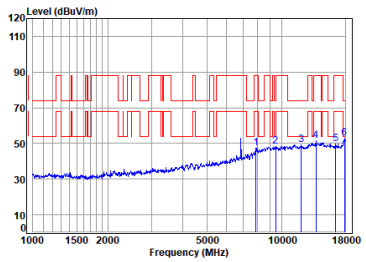
11ax_20M_TX_CH_149_Vertical



Condition: 3m VERTICAL
Job No : 00366AT
Mode : 6695 TX RSE
: Wi-Fi 6E 11AX20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1	7966.832	12.46	37.27	55.92	52.78	46.59	88.20	-41.61	Peak	0.00
2	10185.530	12.98	39.07	53.58	51.27	49.74	88.20	-38.46	Peak	0.00
3	11500.200	14.35	39.20	53.35	49.04	49.24	74.00	-24.76	Peak	0.00
4	14366.840	17.11	40.40	54.10	47.24	50.65	88.20	-37.55	Peak	0.00
5	15398.830	17.93	39.00	53.94	47.51	50.50	74.00	-23.50	Peak	0.00
6	pp17896.250	19.26	41.97	54.26	45.50	52.47	74.00	-21.53	Peak	0.00

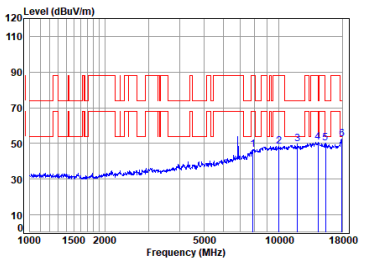
11ax_20M_TX_CH_181_Horizontal



Condition: 3m HORIZONTAL
Job No : 00366AT
Mode : 6855 TX RSE
: Wi-Fi 6E 11AX20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1	7875.254	12.54	37.20	55.97	53.86	47.63	88.20	-40.57	Peak	0.00
2	9448.149	12.47	38.90	54.19	51.41	48.59	74.00	-25.41	Peak	0.00
3	12009.760	14.43	39.29	53.21	48.65	49.16	74.00	-24.84	Peak	0.00
4	13717.560	16.06	40.30	54.02	49.18	51.52	88.20	-36.68	Peak	0.00
5	16457.320	17.80	38.07	53.79	47.75	49.83	88.20	-38.37	Peak	0.00
6	pp17896.250	19.26	41.97	54.26	45.87	52.84	74.00	-21.16	Peak	0.00

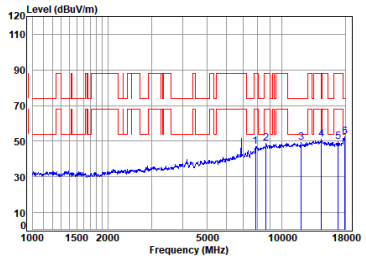
11ax_20M_TX_CH_181_Vertical



Condition: 3m VERTICAL
Job No : 00366AT
Mode : 6855 TX RSE
: Wi-Fi 6E 11AX20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1	7875.254	12.54	37.20	55.97	52.76	46.53	88.20	-41.67	Peak	0.00
2	10010.420	12.97	38.90	53.60	50.05	48.32	88.20	-39.88	Peak	0.00
3	11906.070	14.63	39.02	53.23	49.29	49.71	74.00	-24.29	Peak	0.00
4	14408.430	17.32	40.38	54.10	47.15	50.75	88.20	-37.45	Peak	0.00
5	15443.410	17.70	38.96	53.92	47.66	50.40	74.00	-23.60	Peak	0.00
6	pp17948.050	18.95	42.29	54.28	45.60	52.56	74.00	-21.44	Peak	0.00

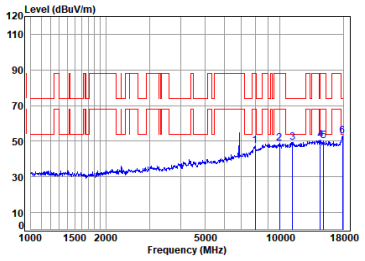
11a_TX_CH_185_Horizontal



Condition: 3m HORIZONTAL
Job No : 00366AT
Mode : 6875 TX RSE
: Wi-Fi 6E 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1	7852.524	12.19	37.11	55.98	53.64	46.96	88.20	-41.24	Peak	0.00
2	8663.404	12.41	38.23	55.09	53.89	48.64	88.20	-39.56	Peak	0.00
3	11975.100	14.47	39.23	53.21	48.70	49.19	74.00	-24.81	Peak	0.00
4	14450.130	16.89	40.30	54.10	47.95	51.04	88.20	-37.16	Peak	0.00
5	16891.040	18.97	38.60	53.88	46.01	49.70	88.20	-38.50	Peak	0.00
6	pp17948.050	18.95	42.29	54.28	45.41	52.37	74.00	-21.63	Peak	0.00

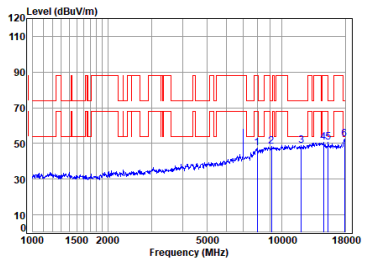
11a_TX_CH_185_Vertical



Condition: 3m VERTICAL
Job No : 00366AT
Mode : 6875 TX RSE
: Wi-Fi 6E 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1	7966.832	12.46	37.27	55.92	53.62	47.43	88.20	-40.77	Peak	0.00
2	9981.525	12.93	38.83	53.62	50.49	48.63	88.20	-39.57	Peak	0.00
3	11269.860	14.52	39.43	53.42	48.95	49.48	74.00	-24.52	Peak	0.00
4	14575.970	16.27	40.20	54.10	48.15	50.52	88.20	-37.68	Peak	0.00
5	15046.850	16.63	39.45	54.08	47.97	49.97	88.20	-38.23	Peak	0.00
6	pp17896.250	19.26	41.97	54.26	45.75	52.72	74.00	-21.28	Peak	0.00

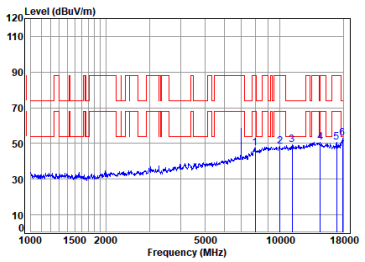
11a_TX_CH_209_Horizontal



Condition: 3m HORIZONTAL
Job No : 00366AT
Mode : 6995 TX RSE
: Wi-Fi 6E 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1	7966.832	12.46	37.27	55.92	53.79	47.60	88.20	-40.60	Peak	0.00
2	9099.724	12.27	38.50	54.58	52.07	48.26	74.00	-25.74	Peak	0.00
3	12009.760	14.43	39.29	53.21	48.47	48.98	74.00	-25.02	Peak	0.00
4	14745.470	16.54	40.15	54.10	47.89	50.48	88.20	-37.72	Peak	0.00
5	15398.830	17.93	39.00	53.94	47.52	50.51	74.00	-23.49	Peak	0.00
6	pp17896.250	19.26	41.97	54.26	45.67	52.64	74.00	-21.36	Peak	0.00

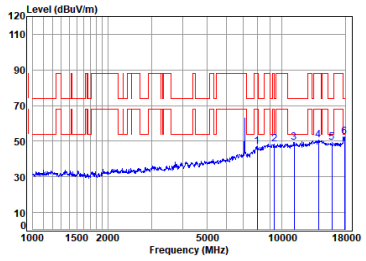
11a_TX_CH_209_Vertical



Condition: 3m VERTICAL
Job No : 00366AT
Mode : 6995 TX RSE
: Wi-Fi 6E 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1	7966.832	12.46	37.27	55.92	53.70	47.51	88.20	-40.69	Peak	0.00
2	10010.420	12.97	38.90	53.60	50.23	48.50	88.20	-39.70	Peak	0.00
3	11204.900	14.32	39.50	53.44	48.91	49.29	74.00	-24.71	Peak	0.00
4	14575.970	16.27	40.20	54.10	48.35	50.72	88.20	-37.48	Peak	0.00
5	16939.940	18.58	38.68	53.89	47.19	50.56	88.20	-37.64	Peak	0.00
6	pp17896.250	19.26	41.97	54.26	45.75	52.72	74.00	-21.28	Peak	0.00

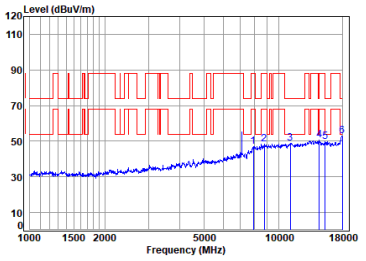
11a_TX_CH_233_Horizontal



Condition: 3m HORIZONTAL
Job No : 00366AT
Mode : 7115 TX RSE
: Wi-Fi 6E 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1	7989.893	12.31	37.22	55.91	53.57	47.19	88.20	-41.01	Peak	0.00
2	9339.543	12.36	38.70	54.31	51.67	48.42	74.00	-25.58	Peak	0.00
3	11237.330	14.42	39.46	53.43	48.76	49.21	74.00	-24.79	Peak	0.00
4	14038.450	16.39	40.52	54.10	47.80	50.61	88.20	-37.59	Peak	0.00
5	15896.290	17.90	38.41	53.74	46.51	49.08	74.00	-24.92	Peak	0.00
6	pp17896.250	19.26	41.97	54.26	45.71	52.68	74.00	-21.32	Peak	0.00

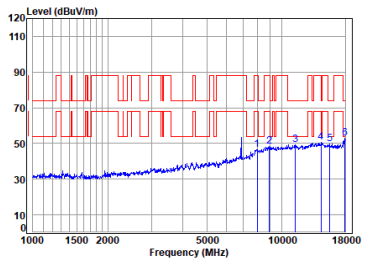
11a_TX_CH_233_Vertical



Condition: 3m VERTICAL
Job No : 00366AT
Mode : 7115 TX RSE
: Wi-Fi 6E 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1	7920.911	12.77	37.30	55.94	53.07	47.20	88.20	-41.00	Peak	0.00
2	8764.146	12.45	38.30	54.97	52.73	48.51	88.20	-39.69	Peak	0.00
3	11140.310	14.27	39.38	53.46	48.61	48.80	74.00	-25.20	Peak	0.00
4	14575.970	16.27	40.20	54.10	48.30	50.67	88.20	-37.53	Peak	0.00
5	15398.830	17.93	39.00	53.94	46.89	49.88	74.00	-24.12	Peak	0.00
6	pp18000.000	18.62	42.60	54.30	45.98	52.90	74.00	-21.10	Peak	0.00

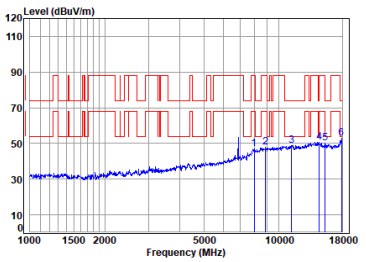
11ax_20M_TX_CH_185_Horizontal



Condition: 3m HORIZONTAL
Job No : 00366AT
Mode : 6875 TX RSE
: Wi-Fi 6E 11AX20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1	7966.832	12.46	37.27	55.92	52.67	46.48	88.20	-41.72	Peak	0.00
2	8917.462	12.56	38.43	54.79	51.95	48.15	88.20	-40.05	Peak	0.00
3	11368.000	14.40	39.33	53.39	49.01	49.35	74.00	-24.65	Peak	0.00
4	14408.430	17.32	40.38	54.10	46.89	50.49	88.20	-37.71	Peak	0.00
5	15622.990	17.11	38.75	53.85	47.80	49.81	74.00	-24.19	Peak	0.00
6	pp17948.050	18.95	42.29	54.28	45.90	52.86	74.00	-21.14	Peak	0.00

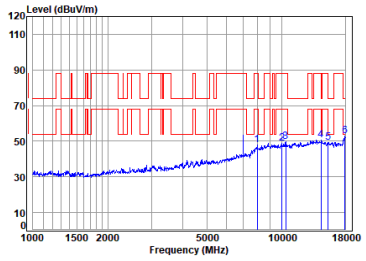
11ax_20M_TX_CH_185_Vertical



Condition: 3m VERTICAL
Job No : 00366AT
Mode : 6875 TX RSE
: Wi-Fi 6E 11AX20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1	7966.832	12.46	37.27	55.92	53.15	46.96	88.20	-41.24	Peak	0.00
2	8866.062	12.55	38.40	54.85	51.91	48.01	88.20	-40.19	Peak	0.00
3	11269.860	14.52	39.43	53.42	48.44	48.97	74.00	-25.03	Peak	0.00
4	14533.910	16.33	40.20	54.10	48.15	50.58	88.20	-37.62	Peak	0.00
5	15398.830	17.93	39.00	53.94	47.09	50.08	74.00	-23.92	Peak	0.00
6	pp17896.250	19.26	41.97	54.26	45.80	52.77	74.00	-21.23	Peak	0.00

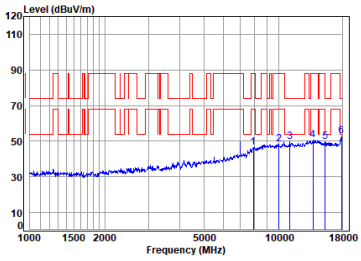
11ax_20M_TX_CH_209_Horizontal



Condition: 3m HORIZONTAL
Job No : 00366AT
Mode : 6995 TX RSE
: Wi-Fi 6E 11AX20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1	7966.832	12.46	37.27	55.92	53.93	47.74	88.20	-40.46	Peak	0.00
2	10010.420	12.97	38.90	53.60	50.54	48.81	88.20	-39.39	Peak	0.00
3	10393.710	13.34	39.20	53.56	50.57	49.55	88.20	-38.65	Peak	0.00
4	14408.430	17.32	40.38	54.10	46.98	50.58	88.20	-37.62	Peak	0.00
5	15398.830	17.93	39.00	53.94	46.48	49.47	74.00	-24.53	Peak	0.00
6	pp17948.050	18.95	42.29	54.28	45.78	52.74	74.00	-21.26	Peak	0.00

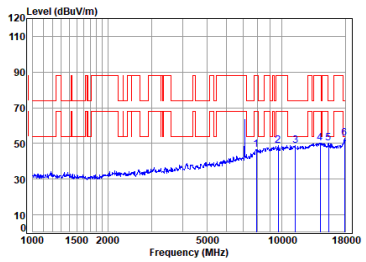
11ax_20M_TX_CH_209_Vertical



Condition: 3m VERTICAL
Job No : 00366AT
Mode : 6995 TX RSE
: Wi-Fi 6E 11AX20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1	7898.049	12.88	37.29	55.96	52.49	46.70	88.20	-41.50	Peak	0.00
2	10010.420	12.97	38.90	53.60	49.96	48.23	88.20	-39.97	Peak	0.00
3	11108.160	14.25	39.32	53.47	49.46	49.56	74.00	-24.44	Peak	0.00
4	13717.560	16.06	40.30	54.02	48.32	50.66	88.20	-37.54	Peak	0.00
5	15398.830	17.93	39.00	53.94	46.55	49.54	74.00	-24.46	Peak	0.00
6	pp17896.250	19.26	41.97	54.26	46.07	53.04	74.00	-20.96	Peak	0.00

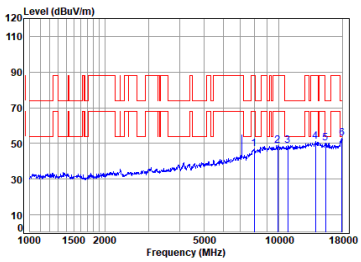
11ax_20M_TX_CH_233_Horizontal



Condition: 3m HORIZONTAL
Job No : 00366AT
Mode : 7115 TX RSE
: Wi-Fi 6E 11AX20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1	7898.049	12.88	37.29	55.96	52.56	46.77	88.20	-41.43	Peak	0.00
2	9669.164	12.82	38.56	53.95	51.33	48.76	88.20	-39.44	Peak	0.00
3	11335.190	14.50	39.36	53.40	48.46	48.92	74.00	-25.08	Peak	0.00
4	14284.030	16.45	40.42	54.10	47.52	50.29	88.20	-37.91	Peak	0.00
5	15443.410	17.70	38.96	53.92	47.51	50.25	74.00	-23.75	Peak	0.00
6	pp17896.250	19.26	41.97	54.26	46.01	52.98	74.00	-21.02	Peak	0.00

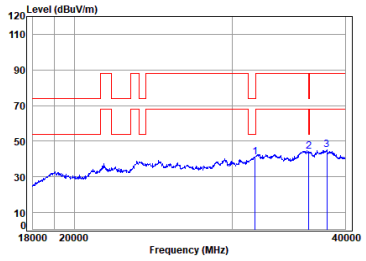
11ax_20M_TX_CH_233_Vertical



Condition: 3m VERTICAL
Job No : 00366AT
Mode : 7115 TX RSE
: Wi-Fi 6E 11AX20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1	7966.832	12.46	37.27	55.92	53.29	47.10	88.20	-41.10	Peak	0.00
2	9895.349	12.82	38.59	53.71	51.23	48.93	88.20	-39.27	Peak	0.00
3	10885.670	13.78	39.49	53.51	49.07	48.83	74.00	-25.17	Peak	0.00
4	14038.450	16.39	40.52	54.10	48.10	50.91	88.20	-37.29	Peak	0.00
5	15443.410	17.70	38.96	53.92	47.63	50.37	74.00	-23.63	Peak	0.00
6	pp17948.050	18.95	42.29	54.28	45.75	52.71	74.00	-21.29	Peak	0.00

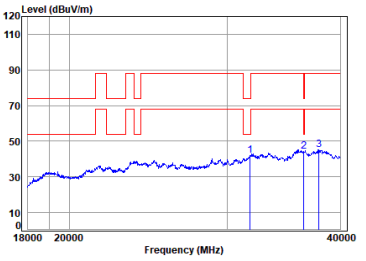
11a_TX_CH_001_Horizontal



Condition: 3m HORIZONTAL
Job No : 00366AT
Mode : 5955 TX RSE
: Wi-Fi 6E 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1	31782.290	7.86	40.81	51.46	53.61	41.28	74.00	-32.72	Peak	-9.54
2	pp36432.240	7.97	42.10	49.55	53.14	44.12	74.00	-29.88	Peak	-9.54
3	38189.710	7.75	42.23	50.31	55.21	45.34	88.20	-42.86	Peak	-9.54

11a_TX_CH_001_Vertical



Condition: 3m VERTICAL
Job No : 00366AT
Mode : 5955 TX RSE
: Wi-Fi 6E 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1	31756.920	7.85	40.80	51.49	54.34	41.96	74.00	-32.04	Peak	-9.54
2	pp36461.340	7.94	42.10	49.57	53.49	44.42	74.00	-29.58	Peak	-9.54
3	37885.970	7.81	41.91	50.13	55.16	45.21	88.20	-42.99	Peak	-9.54

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: Mingli Hu
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

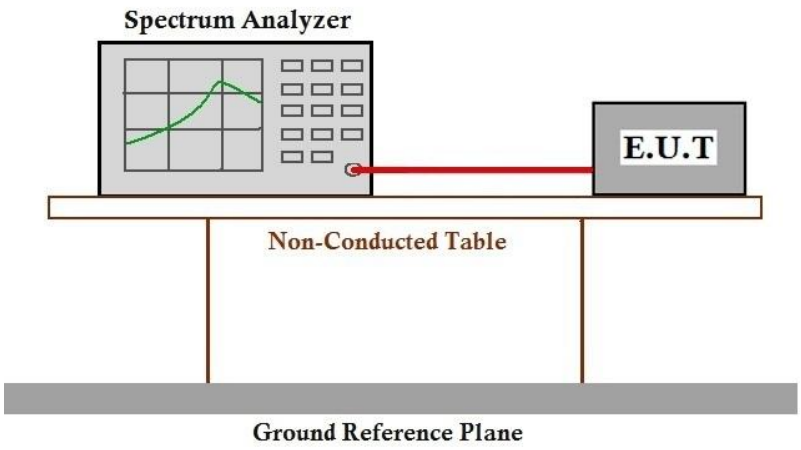
Operating Environment:
Temperature: 21.3 °C Humidity: 49.4 % RH Atmospheric Pressure: 1020 mbar

7.5.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	18	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 @ 6Mbps is the worst case of IEEE 802.11a; data rate @ HT0/HT8 is the worst case of IEEE 802.11n(20MHz); data rate @ HT0/HT8 is the worst case of IEEE 802.11n(40MHz); data rate @ VHT0 is the worst case of IEEE 802.11ac(80MHz); data rate @ VHT0 is the worst case of IEEE 802.11ac(160MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(20MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(40MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(80MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(160MHz). Only the data of worst case is recorded in the report.
Final test	19	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 @ 6Mbps is the worst case of IEEE 802.11a; data rate @ HT0/HT8 is the worst case of IEEE 802.11n(20MHz); data rate @ HT0/HT8 is the worst case of IEEE 802.11n(40MHz); data rate @ VHT0 is the worst case of IEEE 802.11ac(80MHz); data rate @ VHT0 is the worst case of IEEE 802.11ac(160MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(20MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(40MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(80MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(160MHz). Only the data of worst case is recorded in the report.
Final test	20	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 @ 6Mbps is the worst case of IEEE 802.11a; data rate @ HT0/HT8 is the worst case of IEEE 802.11n(20MHz); data rate @ HT0/HT8 is the worst case of IEEE 802.11n(40MHz); data rate @ VHT0 is the worst case of IEEE 802.11ac(80MHz); data rate @ VHT0 is the worst case of IEEE 802.11ac(160MHz);

		data rate @ HE0 is the worst case of IEEE 802.11ax(20MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(40MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(80MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(160MHz). Only the data of worst case is recorded in the report.
Final test	21	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 @ 6Mbps is the worst case of IEEE 802.11a; data rate @ HT0/HT8 is the worst case of IEEE 802.11n(20MHz); data rate @ HT0/HT8 is the worst case of IEEE 802.11n(40MHz); data rate @ VHT0 is the worst case of IEEE 802.11ac(80MHz); data rate @ VHT0 is the worst case of IEEE 802.11ac(160MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(20MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(40MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(80MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(160MHz). Only the data of worst case is recorded in the report.

7.5.3 Test Setup Diagram



7.5.4 Measurement Procedure and Data

Please Refer to Appendix for Details

7.6 Contention Based Protocol

Test Requirement 47 CFR Part 15, Subpart E 15.407 (d)(6)
Test Method: KDB 987594 D02 Section II.I.
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

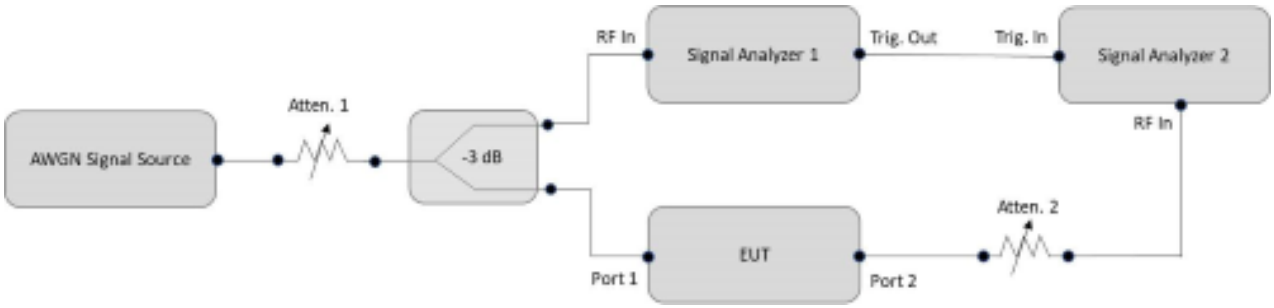
Operating Environment:
Temperature: 21.3 °C Humidity: 49.4 % RH Atmospheric Pressure: 1020 mbar

7.6.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	18	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 @ 6Mbps is the worst case of IEEE 802.11a; data rate @ HT0/HT8 is the worst case of IEEE 802.11n(20MHz); data rate @ HT0/HT8 is the worst case of IEEE 802.11n(40MHz); data rate @ VHT0 is the worst case of IEEE 802.11ac(80MHz); data rate @ VHT0 is the worst case of IEEE 802.11ac(160MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(20MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(40MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(80MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(160MHz). Only the data of worst case is recorded in the report.
Final test	19	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 @ 6Mbps is the worst case of IEEE 802.11a; data rate @ HT0/HT8 is the worst case of IEEE 802.11n(20MHz); data rate @ HT0/HT8 is the worst case of IEEE 802.11n(40MHz); data rate @ VHT0 is the worst case of IEEE 802.11ac(80MHz); data rate @ VHT0 is the worst case of IEEE 802.11ac(160MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(20MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(40MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(80MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(160MHz). Only the data of worst case is recorded in the report.
Final test	20	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 @ 6Mbps is the worst case of IEEE 802.11a; data rate @ HT0/HT8 is the worst case of IEEE 802.11n(20MHz); data rate @ HT0/HT8 is the worst case of IEEE 802.11n(40MHz); data rate @ VHT0 is the worst case of IEEE

		802.11ac(80MHz); data rate @ VHT0 is the worst case of IEEE 802.11ac(160MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(20MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(40MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(80MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(160MHz). Only the data of worst case is recorded in the report.
Final test	21	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 @ 6Mbps is the worst case of IEEE 802.11a; data rate @ HT0/HT8 is the worst case of IEEE 802.11n(20MHz); data rate @ HT0/HT8 is the worst case of IEEE 802.11n(40MHz); data rate @ VHT0 is the worst case of IEEE 802.11ac(80MHz); data rate @ VHT0 is the worst case of IEEE 802.11ac(160MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(20MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(40MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(80MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(160MHz). 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 (2020) Section 12.2
Test Method: ANSI C63.10 (2020) Section 12.2
Test Engineer: Mingli Hu

7.7.1 E.U.T. Operation

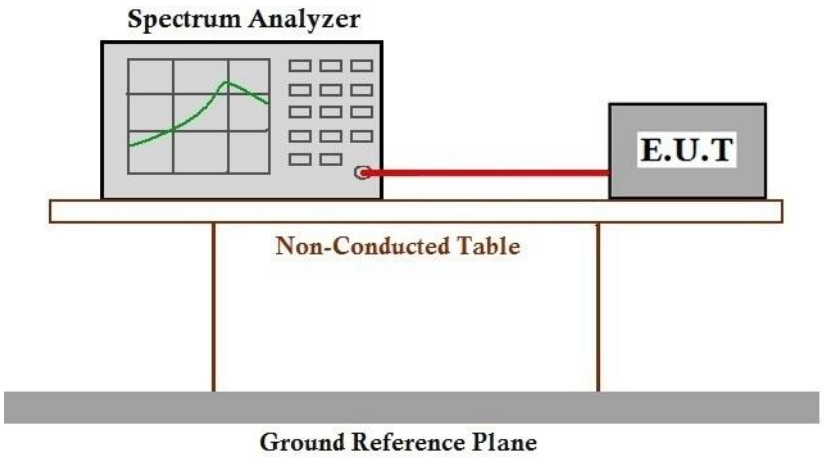
Operating Environment:
Temperature: 21.3 °C Humidity: 49.4 % RH Atmospheric Pressure: 1020 mbar

7.7.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	18	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 @ 6Mbps is the worst case of IEEE 802.11a; data rate @ HT0/HT8 is the worst case of IEEE 802.11n(20MHz); data rate @ HT0/HT8 is the worst case of IEEE 802.11n(40MHz); data rate @ VHT0 is the worst case of IEEE 802.11ac(80MHz); data rate @ VHT0 is the worst case of IEEE 802.11ac(160MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(20MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(40MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(80MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(160MHz). Only the data of worst case is recorded in the report.
Final test	19	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 @ 6Mbps is the worst case of IEEE 802.11a; data rate @ HT0/HT8 is the worst case of IEEE 802.11n(20MHz); data rate @ HT0/HT8 is the worst case of IEEE 802.11n(40MHz); data rate @ VHT0 is the worst case of IEEE 802.11ac(80MHz); data rate @ VHT0 is the worst case of IEEE 802.11ac(160MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(20MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(40MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(80MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(160MHz). Only the data of worst case is recorded in the report.
Final test	20	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 @ 6Mbps is the worst case of IEEE 802.11a; data rate @ HT0/HT8 is the worst case of IEEE 802.11n(20MHz); data rate @ HT0/HT8 is the worst case of IEEE 802.11n(40MHz); data rate @ VHT0 is the worst case of IEEE 802.11ac(80MHz); data rate @ VHT0 is the worst case of IEEE 802.11ac(160MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(20MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(40MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(80MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(160MHz). Only the data of worst case is recorded in the report.
Final test	21	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 @ 6Mbps is the worst case of IEEE 802.11a; data rate @ HT0/HT8 is the worst case of IEEE 802.11n(20MHz); data rate @ HT0/HT8 is the worst case of IEEE 802.11n(40MHz); data rate @ VHT0 is the worst case of IEEE

		802.11ac(80MHz); data rate @ VHT0 is the worst case of IEEE 802.11ac(160MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(20MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(40MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(80MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(160MHz). 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 (2020) Section 12.5.3
Test Method: ANSI C63.10 (2020) Section 12.5.3
Test Engineer: Mingli Hu

7.8.1 E.U.T. Operation

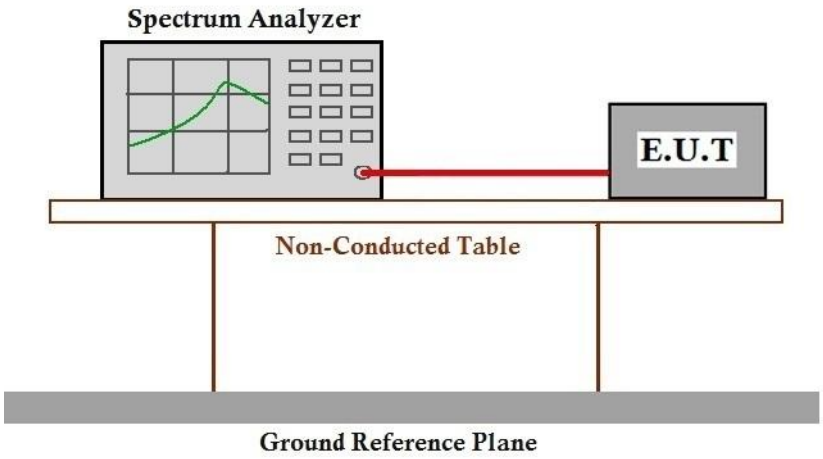
Operating Environment:
Temperature: 21.3 °C Humidity: 49.4 % RH Atmospheric Pressure: 1020 mbar

7.8.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	18	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 @ 6Mbps is the worst case of IEEE 802.11a; data rate @ HT0/HT8 is the worst case of IEEE 802.11n(20MHz); data rate @ HT0/HT8 is the worst case of IEEE 802.11n(40MHz); data rate @ VHT0 is the worst case of IEEE 802.11ac(80MHz); data rate @ VHT0 is the worst case of IEEE 802.11ac(160MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(20MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(40MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(80MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(160MHz). Only the data of worst case is recorded in the report.
Final test	19	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 @ 6Mbps is the worst case of IEEE 802.11a; data rate @ HT0/HT8 is the worst case of IEEE 802.11n(20MHz); data rate @ HT0/HT8 is the worst case of IEEE 802.11n(40MHz); data rate @ VHT0 is the worst case of IEEE 802.11ac(80MHz); data rate @ VHT0 is the worst case of IEEE 802.11ac(160MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(20MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(40MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(80MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(160MHz). Only the data of worst case is recorded in the report.
Final test	20	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 @ 6Mbps is the worst case of IEEE 802.11a; data rate @ HT0/HT8 is the worst case of IEEE 802.11n(20MHz); data rate @ HT0/HT8 is the worst case of IEEE 802.11n(40MHz); data rate @ VHT0 is the worst case of IEEE 802.11ac(80MHz); data rate @ VHT0 is the worst case of IEEE 802.11ac(160MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(20MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(40MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(80MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(160MHz). Only the data of worst case is recorded in the report.
Final test	21	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 @ 6Mbps is the worst case of IEEE 802.11a; data rate @ HT0/HT8 is the worst case of IEEE 802.11n(20MHz); data rate @ HT0/HT8 is the worst case of IEEE 802.11n(40MHz); data rate @ VHT0 is the worst case of IEEE

		802.11ac(80MHz); data rate @ VHT0 is the worst case of IEEE 802.11ac(160MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(20MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(40MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(80MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(160MHz). 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: Mingli Hu

7.9.1 E.U.T. Operation

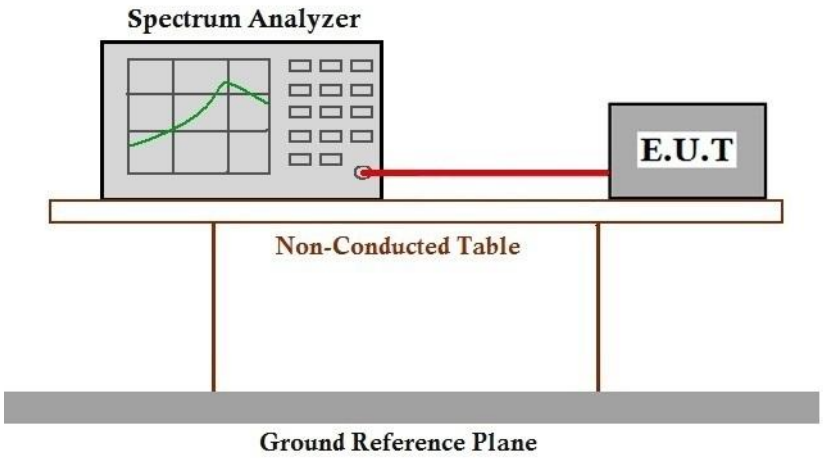
Operating Environment:
Temperature: 21.3 °C Humidity: 49.4 % RH Atmospheric Pressure: 1020 mbar

7.9.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	18	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 @ 6Mbps is the worst case of IEEE 802.11a; data rate @ HT0/HT8 is the worst case of IEEE 802.11n(20MHz); data rate @ HT0/HT8 is the worst case of IEEE 802.11n(40MHz); data rate @ VHT0 is the worst case of IEEE 802.11ac(80MHz); data rate @ VHT0 is the worst case of IEEE 802.11ac(160MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(20MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(40MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(80MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(160MHz). Only the data of worst case is recorded in the report.
Final test	19	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 @ 6Mbps is the worst case of IEEE 802.11a; data rate @ HT0/HT8 is the worst case of IEEE 802.11n(20MHz); data rate @ HT0/HT8 is the worst case of IEEE 802.11n(40MHz); data rate @ VHT0 is the worst case of IEEE 802.11ac(80MHz); data rate @ VHT0 is the worst case of IEEE 802.11ac(160MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(20MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(40MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(80MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(160MHz). Only the data of worst case is recorded in the report.
Final test	20	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 @ 6Mbps is the worst case of IEEE 802.11a; data rate @ HT0/HT8 is the worst case of IEEE 802.11n(20MHz); data rate @ HT0/HT8 is the worst case of IEEE 802.11n(40MHz); data rate @ VHT0 is the worst case of IEEE 802.11ac(80MHz); data rate @ VHT0 is the worst case of IEEE 802.11ac(160MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(20MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(40MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(80MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(160MHz). Only the data of worst case is recorded in the report.
Final test	21	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 @ 6Mbps is the worst case of IEEE 802.11a; data rate @ HT0/HT8 is the worst case of IEEE 802.11n(20MHz); data rate @ HT0/HT8 is the worst case of IEEE 802.11n(40MHz); data rate @ VHT0 is the worst case of IEEE

		802.11ac(80MHz); data rate @ VHT0 is the worst case of IEEE 802.11ac(160MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(20MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(40MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(80MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(160MHz). Only the data of worst case is recorded in the report.

7.9.3 Test Setup Diagram



7.9.4 Measurement Procedure and Data

Please Refer to Appendix for Details

7.10 Maximum Conducted Output Power

Test Requirement 47 CFR Part 15, Subpart E 15.407 (a)
Test Method: ANSI C63.10 (2020) Section 12.4
Test Engineer: Mingli Hu
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

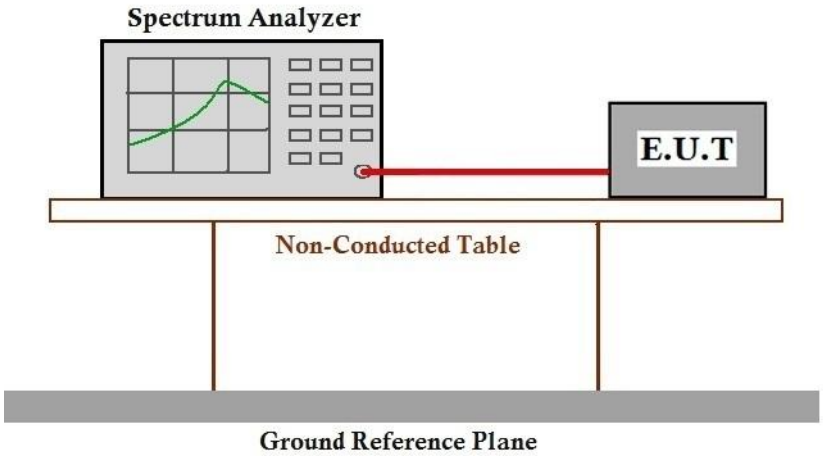
Operating Environment:
Temperature: 21.3 °C Humidity: 49.4 % RH Atmospheric Pressure: 1020 mbar

7.10.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	18	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 @ 6Mbps is the worst case of IEEE 802.11a; data rate @ HT0/HT8 is the worst case of IEEE 802.11n(20MHz); data rate @ HT0/HT8 is the worst case of IEEE 802.11n(40MHz); data rate @ VHT0 is the worst case of IEEE 802.11ac(80MHz); data rate @ VHT0 is the worst case of IEEE 802.11ac(160MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(20MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(40MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(80MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(160MHz). Only the data of worst case is recorded in the report.

Final test	19	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 @ 6Mbps is the worst case of IEEE 802.11a; data rate @ HT0/HT8 is the worst case of IEEE 802.11n(20MHz); data rate @ HT0/HT8 is the worst case of IEEE 802.11n(40MHz); data rate @ VHT0 is the worst case of IEEE 802.11ac(80MHz); data rate @ VHT0 is the worst case of IEEE 802.11ac(160MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(20MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(40MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(80MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(160MHz). Only the data of worst case is recorded in the report.
Final test	20	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 @ 6Mbps is the worst case of IEEE 802.11a; data rate @ HT0/HT8 is the worst case of IEEE 802.11n(20MHz); data rate @ HT0/HT8 is the worst case of IEEE 802.11n(40MHz); data rate @ VHT0 is the worst case of IEEE 802.11ac(80MHz); data rate @ VHT0 is the worst case of IEEE 802.11ac(160MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(20MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(40MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(80MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(160MHz). Only the data of worst case is recorded in the report.
Final test	21	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 @ 6Mbps is the worst case of IEEE 802.11a; data rate @ HT0/HT8 is the worst case of IEEE 802.11n(20MHz); data rate @ HT0/HT8 is the worst case of IEEE 802.11n(40MHz); data rate @ VHT0 is the worst case of IEEE 802.11ac(80MHz); data rate @ VHT0 is the worst case of IEEE 802.11ac(160MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(20MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(40MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(80MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(160MHz). 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 Power Spectral Density

Test Requirement 47 CFR Part 15, Subpart E 15.407 (a)
Test Method: ANSI C63.10 (2020) Section 12.6
Test Engineer: Mingli Hu
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

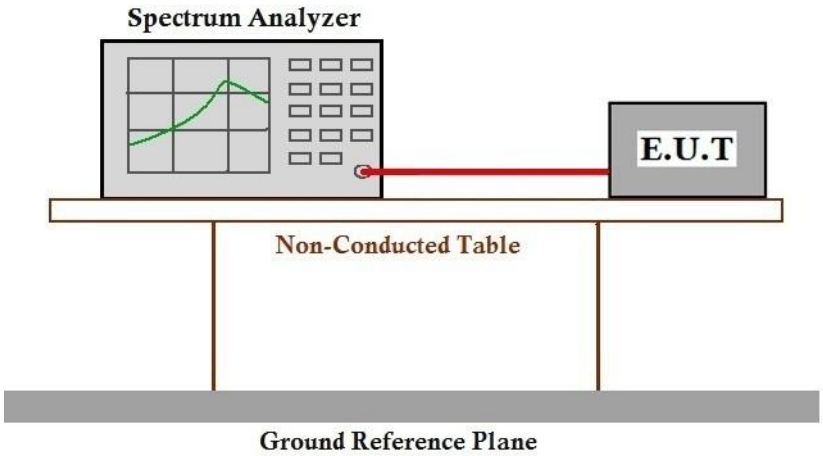
Operating Environment:
Temperature: 21.3 °C Humidity: 49.4 % RH Atmospheric Pressure: 1020 mbar

7.11.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	18	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 @ 6Mbps is the worst case of IEEE 802.11a; data rate @ HT0/HT8 is the worst case of IEEE 802.11n(20MHz); data rate @ HT0/HT8 is the worst case of IEEE 802.11n(40MHz); data rate @ VHT0 is the worst case of IEEE 802.11ac(80MHz); data rate @ VHT0 is the worst case of IEEE 802.11ac(160MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(20MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(40MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(80MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(160MHz). Only the data of worst case is recorded in the report.

Final test	19	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 @ 6Mbps is the worst case of IEEE 802.11a; data rate @ HT0/HT8 is the worst case of IEEE 802.11n(20MHz); data rate @ HT0/HT8 is the worst case of IEEE 802.11n(40MHz); data rate @ VHT0 is the worst case of IEEE 802.11ac(80MHz); data rate @ VHT0 is the worst case of IEEE 802.11ac(160MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(20MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(40MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(80MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(160MHz). Only the data of worst case is recorded in the report.
Final test	20	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 @ 6Mbps is the worst case of IEEE 802.11a; data rate @ HT0/HT8 is the worst case of IEEE 802.11n(20MHz); data rate @ HT0/HT8 is the worst case of IEEE 802.11n(40MHz); data rate @ VHT0 is the worst case of IEEE 802.11ac(80MHz); data rate @ VHT0 is the worst case of IEEE 802.11ac(160MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(20MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(40MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(80MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(160MHz). Only the data of worst case is recorded in the report.
Final test	21	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 @ 6Mbps is the worst case of IEEE 802.11a; data rate @ HT0/HT8 is the worst case of IEEE 802.11n(20MHz); data rate @ HT0/HT8 is the worst case of IEEE 802.11n(40MHz); data rate @ VHT0 is the worst case of IEEE 802.11ac(80MHz); data rate @ VHT0 is the worst case of IEEE 802.11ac(160MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(20MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(40MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(80MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(160MHz). 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: Mingli Hu

7.12.1 E.U.T. Operation

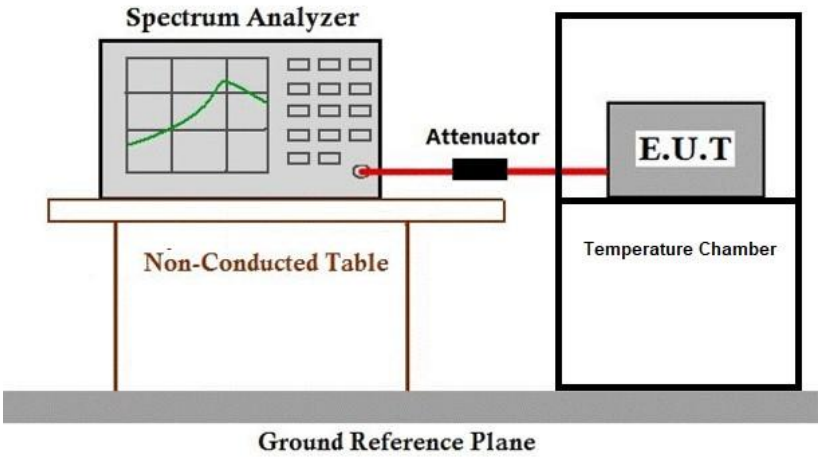
Operating Environment:
Temperature: 21.3 °C Humidity: 49.4 % RH Atmospheric Pressure: 1020 mbar

7.12.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	18	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 @ 6Mbps is the worst case of IEEE 802.11a; data rate @ HT0/HT8 is the worst case of IEEE 802.11n(20MHz); data rate @ HT0/HT8 is the worst case of IEEE 802.11n(40MHz); data rate @ VHT0 is the worst case of IEEE 802.11ac(80MHz); data rate @ VHT0 is the worst case of IEEE 802.11ac(160MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(20MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(40MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(80MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(160MHz). Only the data of worst case is recorded in the report.
Final test	19	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 @ 6Mbps is the worst case of IEEE 802.11a; data rate @ HT0/HT8 is the worst case of IEEE 802.11n(20MHz); data rate @ HT0/HT8 is the worst case of IEEE 802.11n(40MHz); data rate @ VHT0 is the worst case of IEEE 802.11ac(80MHz); data rate @ VHT0 is the worst case of IEEE 802.11ac(160MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(20MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(40MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(80MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(160MHz). Only the data of worst case is recorded in the report.
Final test	20	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 @ 6Mbps is the worst case of IEEE 802.11a; data rate @ HT0/HT8 is the worst case of IEEE 802.11n(20MHz); data rate @ HT0/HT8 is the worst case of IEEE 802.11n(40MHz); data rate @ VHT0 is the worst case of IEEE 802.11ac(80MHz); data rate @ VHT0 is the worst case of IEEE 802.11ac(160MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(20MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(40MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(80MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(160MHz). Only the data of worst case is recorded in the report.
Final test	21	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 @ 6Mbps is the worst case of IEEE 802.11a; data rate @ HT0/HT8 is the worst case of IEEE 802.11n(20MHz); data rate @ HT0/HT8 is the worst case of IEEE 802.11n(40MHz); data rate @ VHT0 is the worst case of IEEE

		802.11ac(80MHz); data rate @ VHT0 is the worst case of IEEE 802.11ac(160MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(20MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(40MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(80MHz); data rate @ HE0 is the worst case of IEEE 802.11ax(160MHz). 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

Refer to Appendix - Test Setup Photo for SZCR2602000366AT

9 EUT Constructional Details (EUT Photos)

Refer to Appendix – External and Internal Photos for SZCR2602000366AT

10 Appendix

1. Duty Cycle

1.1 Test Result

1.1.1 Ant1

Ant1										
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	/	/	2.098	2.114	99.24	0.03	0.03
			6175	/	/	2.098	2.113	99.29	0.03	0.00
			6415	/	/	2.098	2.114	99.24	0.03	0.03
	802.11ax (HEW20)	MIMO	5955	RU242	Left	5.430	5.446	99.71	0.01	0.04
			6175	RU242	Left	5.430	5.446	99.71	0.01	0.04
			6415	RU242	Left	5.430	5.446	99.71	0.01	0.04
	802.11ax (HEW40)	MIMO	5965	RU484	Left	4.817	4.832	99.69	0.01	0.03
			6165	RU484	Left	4.817	4.832	99.69	0.01	0.00
			6405	RU484	Left	4.816	4.831	99.69	0.01	0.00
	802.11ax (HEW80)	MIMO	5985	RU996	Left	2.555	2.570	99.42	0.03	0.03
			6145	RU996	Left	2.555	2.570	99.42	0.03	0.00
			6385	RU996	Left	2.555	2.570	99.42	0.03	0.00
	802.11ax (HEW160)	MIMO	6025	2xRU996	Left	2.206	2.222	99.28	0.03	0.04
			6185	2xRU996	Left	2.206	2.222	99.28	0.03	0.04
			6345	2xRU996	Left	2.207	2.223	99.28	0.03	0.07

1.1.2 Ant1

Ant1										
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	/	/	2.098	2.114	99.24	0.03	0.03
			6475	/	/	2.099	2.114	99.29	0.03	0.03
			6515	/	/	2.098	2.113	99.29	0.03	0.00
	802.11ax (HEW20)	MIMO	6435	RU242	Left	5.430	5.445	99.72	0.01	0.00
			6475	RU242	Left	5.430	5.446	99.71	0.01	0.04
			6515	RU242	Left	5.430	5.446	99.71	0.01	0.04
	802.11ax (HEW40)	MIMO	6445	RU484	Left	4.817	4.832	99.69	0.01	0.00
			6485	RU484	Left	4.817	4.832	99.69	0.01	0.00
	802.11ax (HEW80)	MIMO	6465	RU996	Left	2.555	2.571	99.38	0.03	0.03

1.1.3 Ant1

Ant1										
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	/	/	2.098	2.114	99.24	0.03	0.03
			6695	/	/	2.098	2.113	99.29	0.03	0.00
			6855	/	/	2.098	2.113	99.29	0.03	0.03
	802.11ax (HEW20)	MIMO	6535	RU242	Left	5.430	5.445	99.72	0.01	0.00
			6695	RU242	Left	5.430	5.446	99.71	0.01	0.04
			6855	RU242	Left	5.431	5.446	99.72	0.01	0.03
	802.11ax (HEW40)	MIMO	6565	RU484	Left	4.817	4.833	99.67	0.01	0.04
			6685	RU484	Left	4.817	4.833	99.67	0.01	0.04
			6845	RU484	Left	4.817	4.832	99.69	0.01	0.03
	802.11ax (HEW80)	MIMO	6625	RU996	Left	2.556	2.571	99.42	0.03	0.04
			6705	RU996	Left	2.555	2.570	99.42	0.03	0.00
			6785	RU996	Left	2.555	2.570	99.42	0.03	0.00
	802.11ax (HEW160)	MIMO	6665	2xRU996	Left	2.207	2.223	99.28	0.03	0.04

1.1.4 Ant1

Ant1										
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	/	/	2.098	2.112	99.34	0.03	0.00
			6995	/	/	2.098	2.113	99.29	0.03	0.00
			7115	/	/	2.098	2.114	99.24	0.03	0.03
	802.11ax (HEW20)	MIMO	6895	RU242	Left	5.430	5.446	99.71	0.01	0.04
			6995	RU242	Left	5.430	5.445	99.72	0.01	0.00
			7115	RU242	Left	5.430	5.445	99.72	0.01	0.00
	802.11ax (HEW40)	MIMO	6925	RU484	Left	4.816	4.831	99.69	0.01	0.03
			7005	RU484	Left	4.816	4.831	99.69	0.01	0.03
			7085	RU484	Left	4.817	4.832	99.69	0.01	0.03
	802.11ax (HEW80)	MIMO	6945	RU996	Left	2.555	2.570	99.42	0.03	0.00
			7025	RU996	Left	2.555	2.570	99.42	0.03	0.00
	802.11ax (HEW160)	MIMO	6985	2xRU996	Left	2.206	2.222	99.28	0.03	0.04

1.1.5 Ant1

Ant1										
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	/	/	2.098	2.113	99.29	0.03	0.03
	802.11ax (HEW20)	MIMO	6875	RU242	Left	5.430	5.446	99.71	0.01	0.04
	802.11ax (HEW40)	MIMO	6885	RU484	Left	4.817	4.832	99.69	0.01	0.03
	802.11ax (HEW80)	MIMO	6865	RU996	Left	2.555	2.571	99.38	0.03	0.03
	802.11ax (HEW160)	MIMO	6825	2xRU996	Left	2.207	2.222	99.32	0.03	0.00

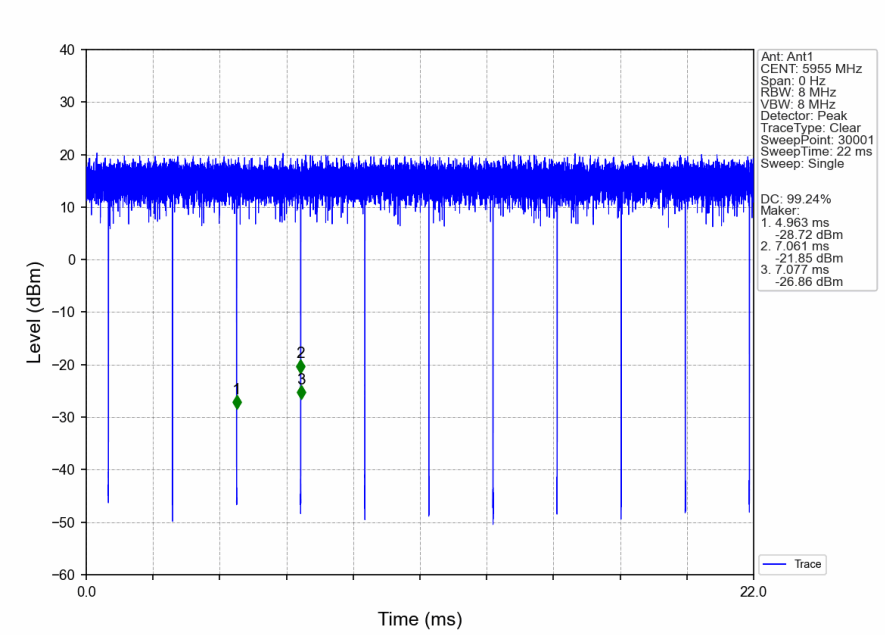
1.1.6 Ant1

Ant1										
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	4.817	4.832	99.69	0.01	0.03
	802.11ax (HEW80)	MIMO	6545	RU996	Left	2.555	2.569	99.46	0.02	0.00
	802.11ax (HEW160)	MIMO	6505	2xRU996	Left	2.206	2.222	99.28	0.03	0.04

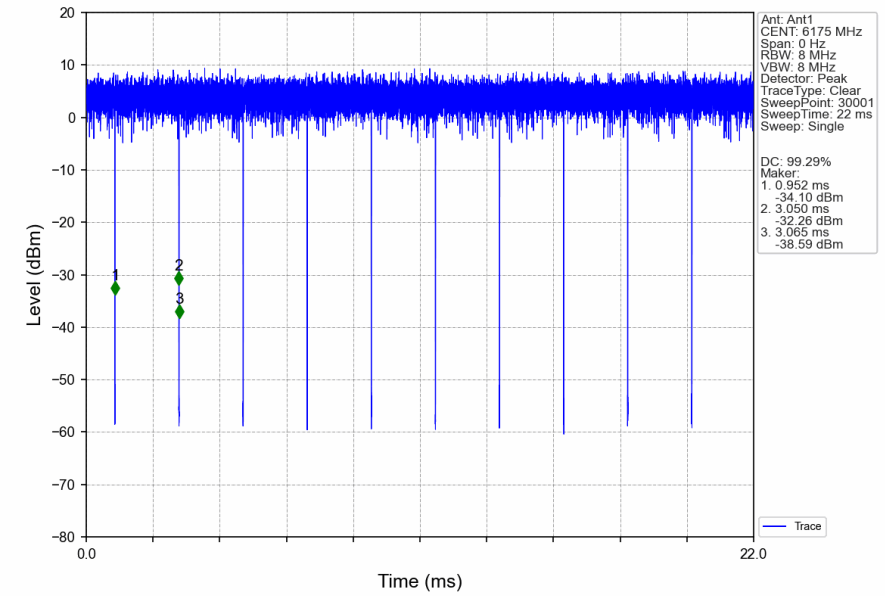
1.2 Test Graph

1.2.1 Ant1

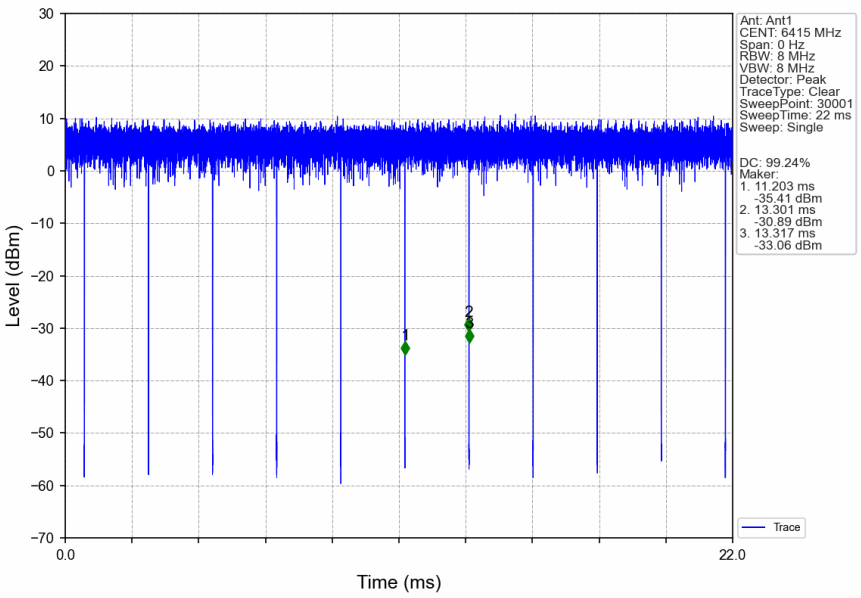
802.11a_LCH_5955MHz_Ant1_NTNV



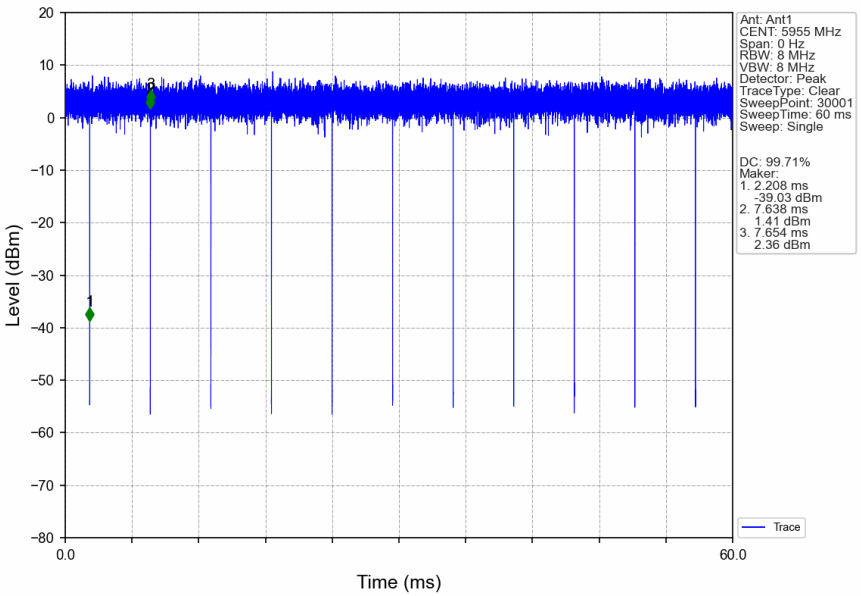
802.11a_MCH_6175MHz_Ant1_NTNV



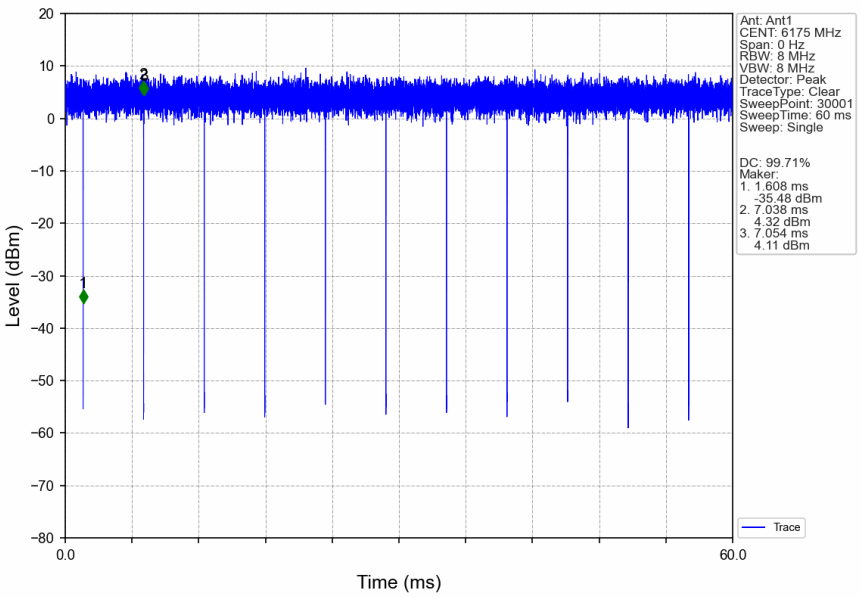
802.11a_HCH_6415MHz_Ant1_NTNV



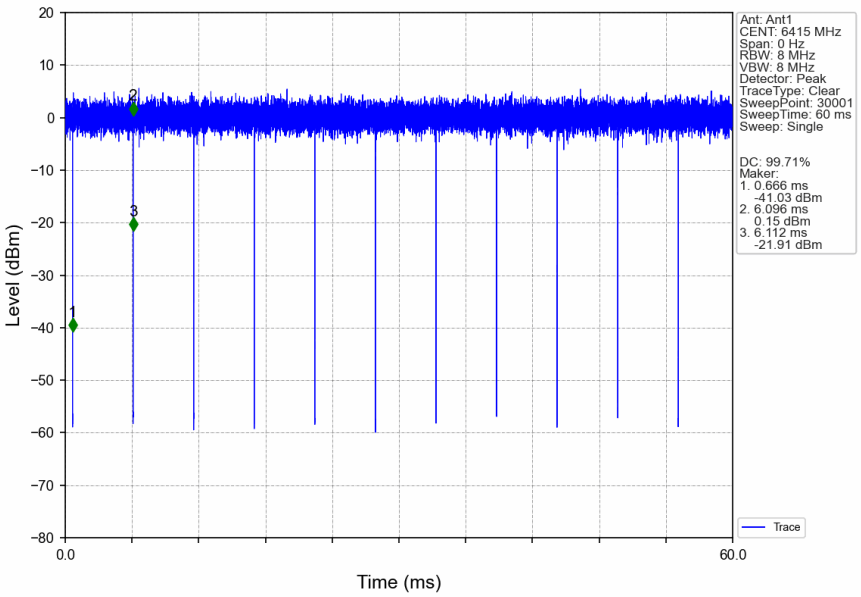
802.11ax(HEW20)_LCH_5955MHz_RU242_Left_Ant1_NTNV



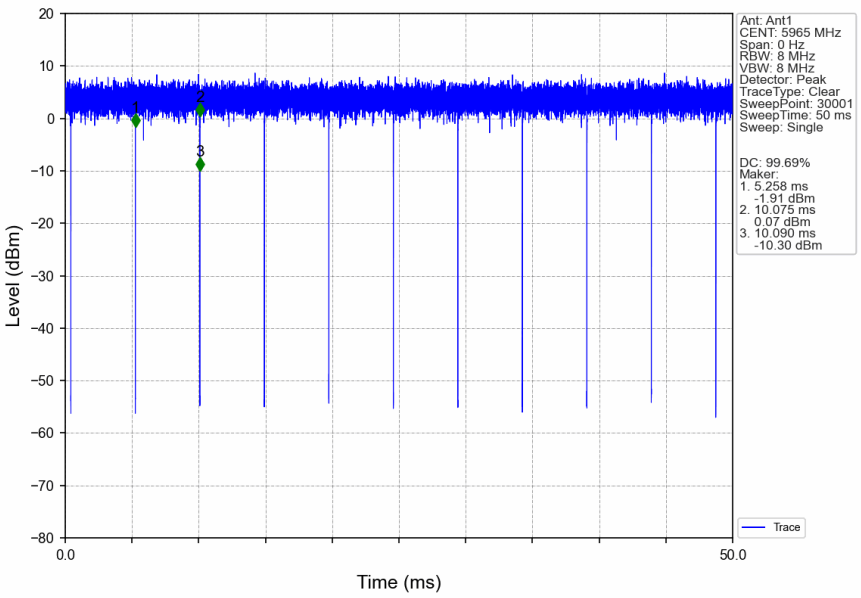
802.11ax(HEW20)_MCH_6175MHz_RU242_Left_Ant1_NTNV



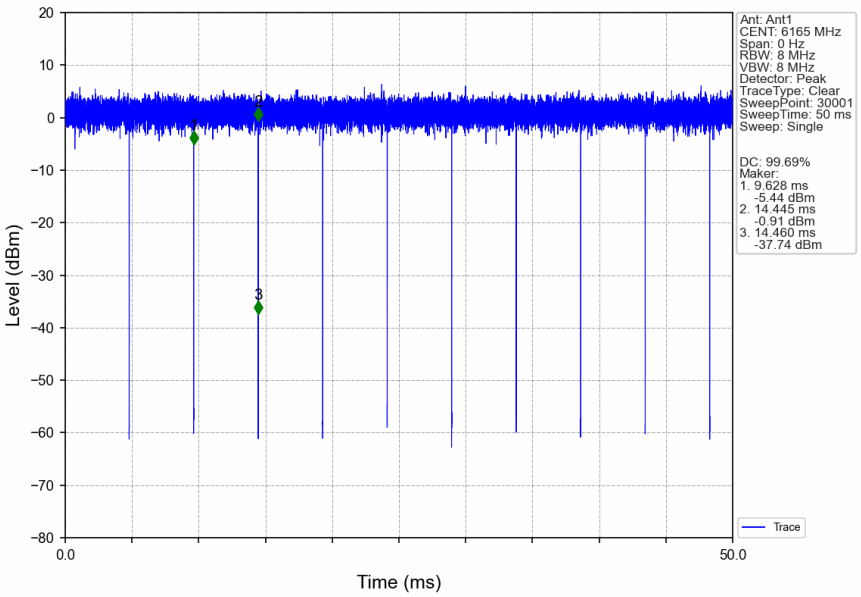
802.11ax(HEW20)_HCH_6415MHz_RU242_Left_Ant1_NTNV



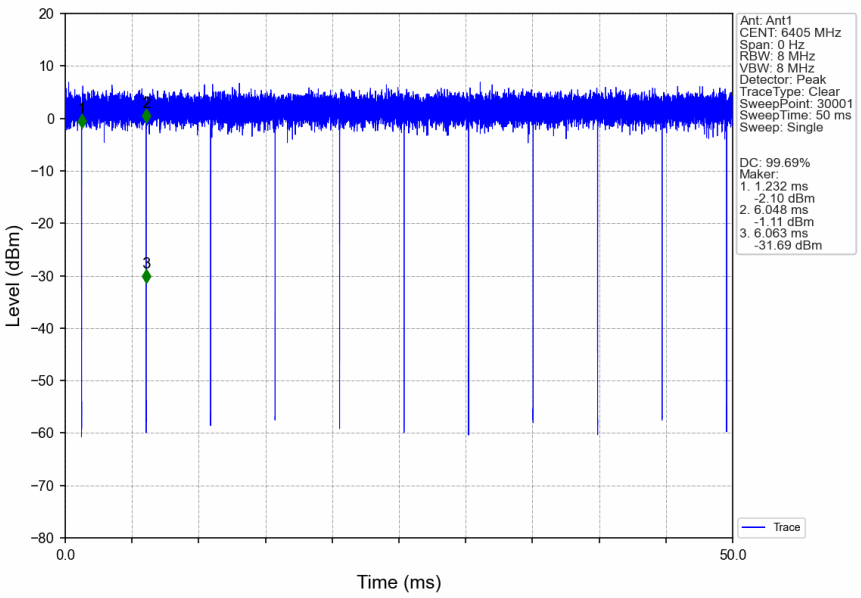
802.11ax(HEW40)_LCH_5965MHz_RU484_Left_Ant1_NTNV



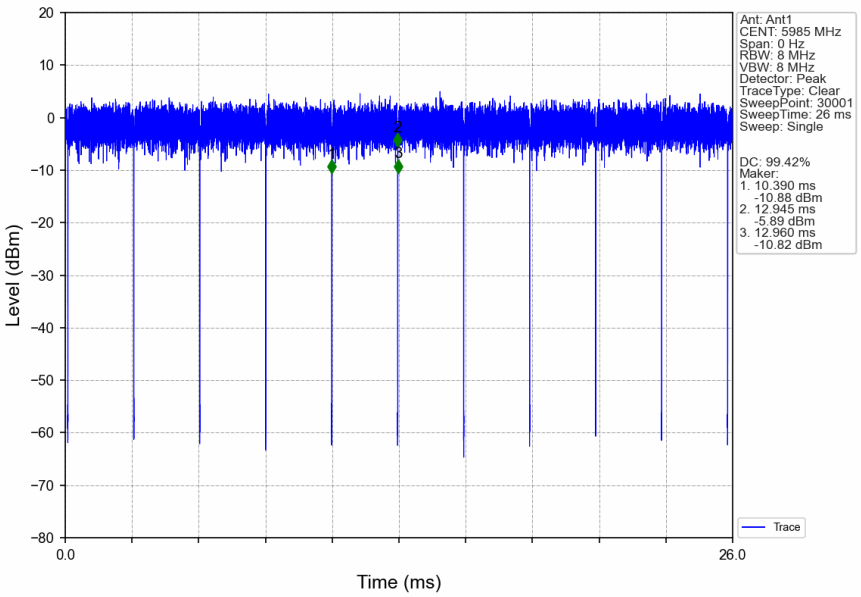
802.11ax(HEW40)_MCH_6165MHz_RU484_Left_Ant1_NTNV



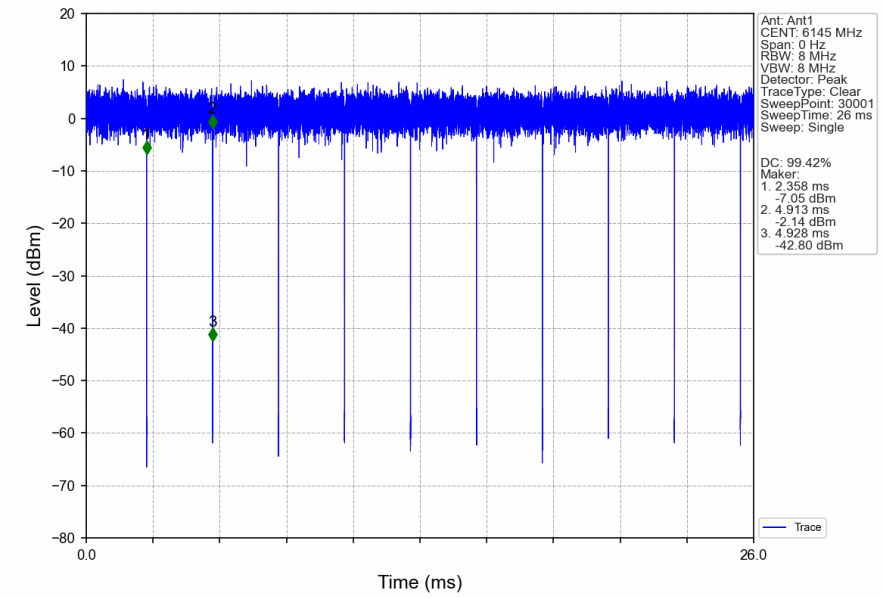
802.11ax(HEW40)_HCH_6405MHz_RU484_Left_Ant1_NTNV



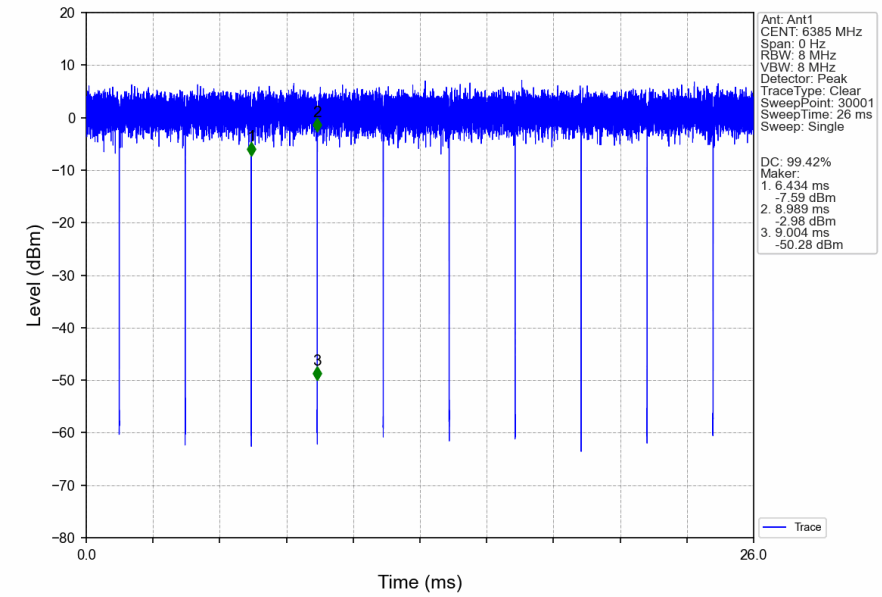
802.11ax(HEW80)_LCH_5985MHz_RU996_Left_Ant1_NTNV



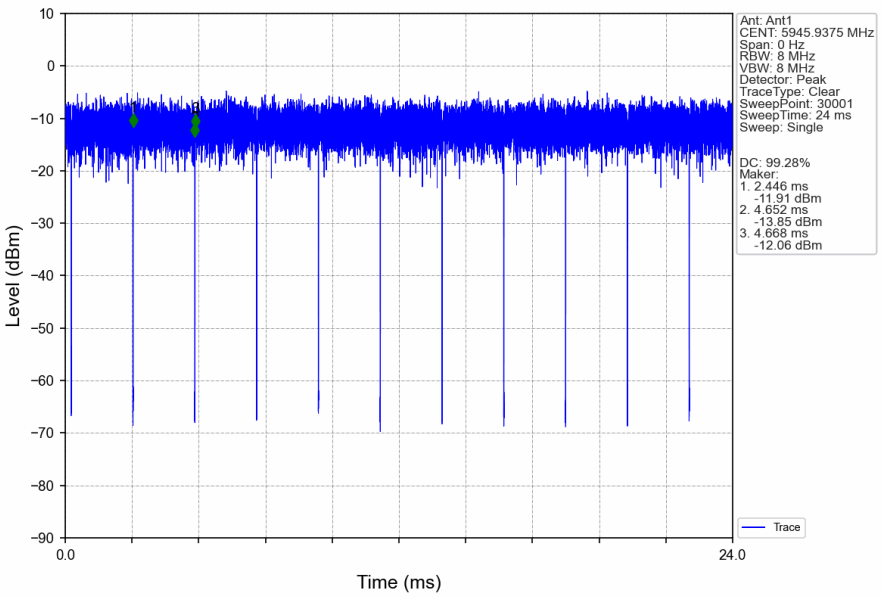
802.11ax(HEW80)_MCH_6145MHz_RU996_Left_Ant1_NTNV



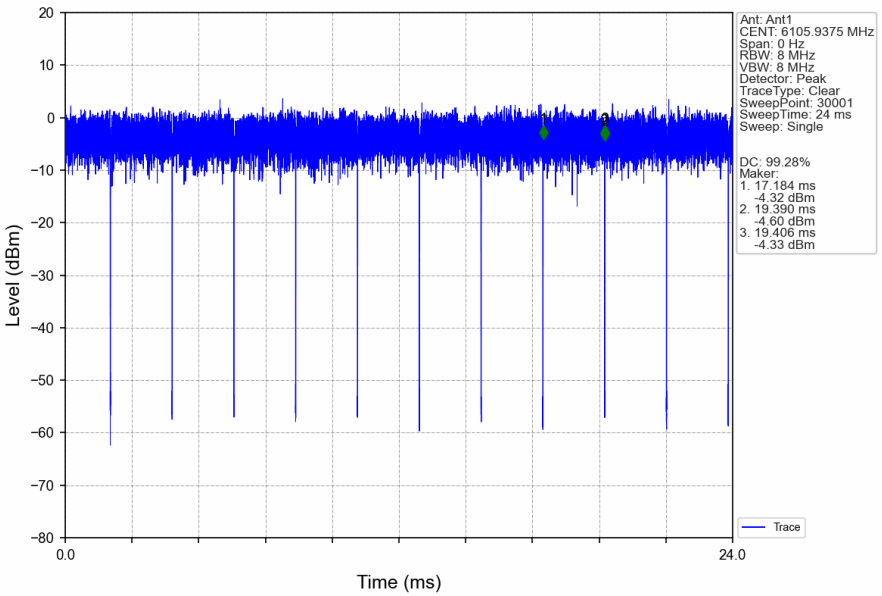
802.11ax(HEW80)_HCH_6385MHz_RU996_Left_Ant1_NTNV



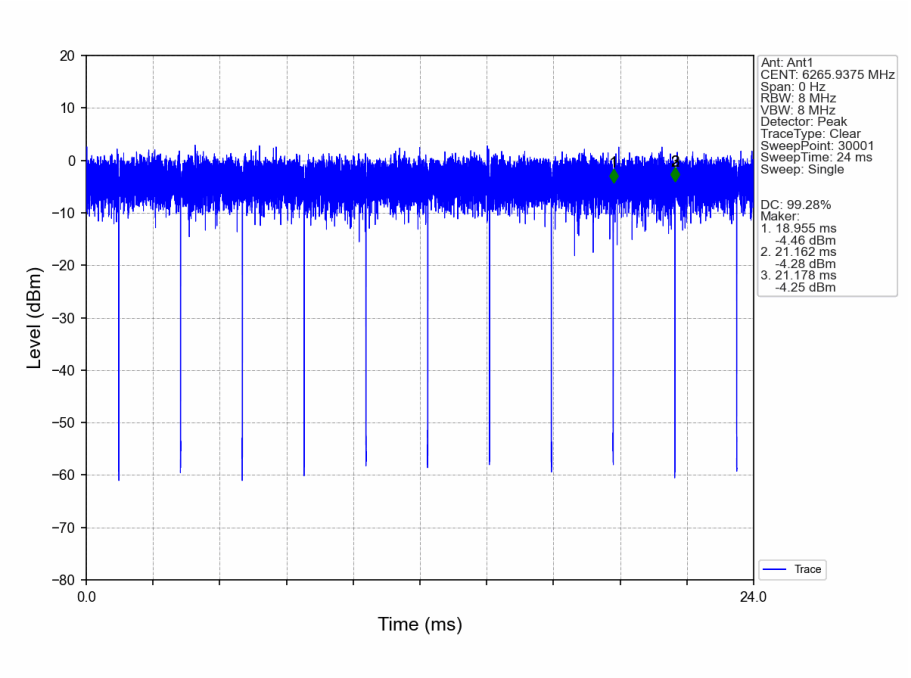
802.11ax(HEW160)_LCH_6025MHz_2xRU996_Left_Ant1_NTNV



802.11ax(HEW160)_MCH_6185MHz_2xRU996_Left_Ant1_NTNV

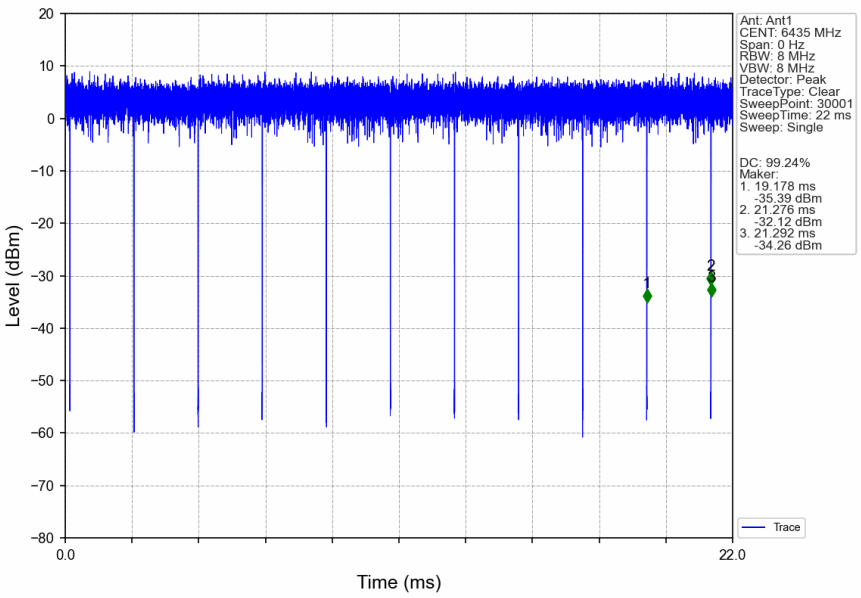


802.11ax(HEW160)_HCH_6345MHz_2xRU996_Left_Ant1_NTNV

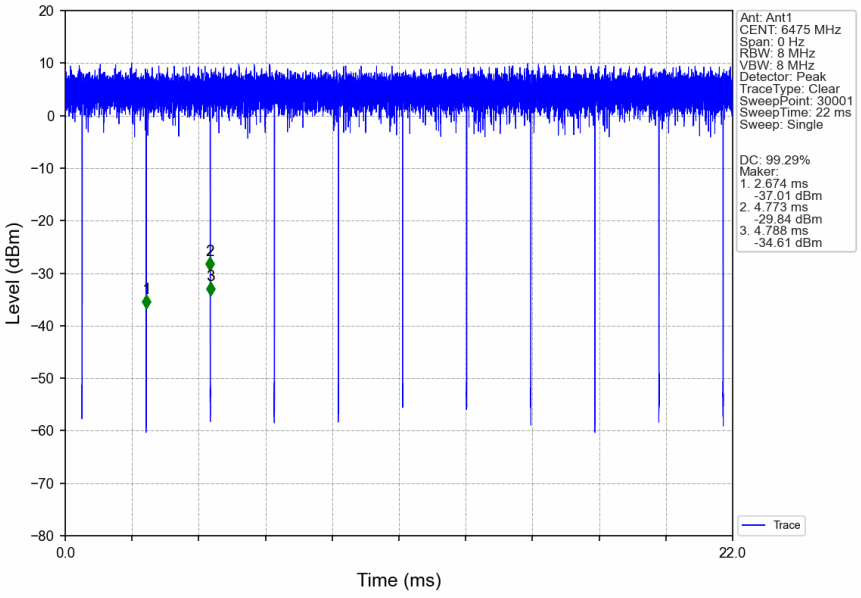


1.2.2 Ant1

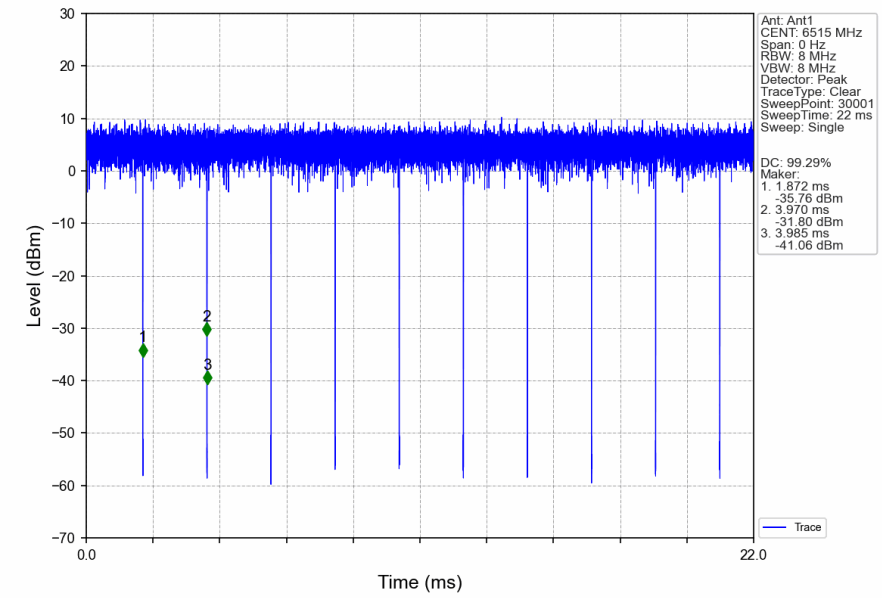
802.11a_LCH_6435MHz_Ant1_NTNV



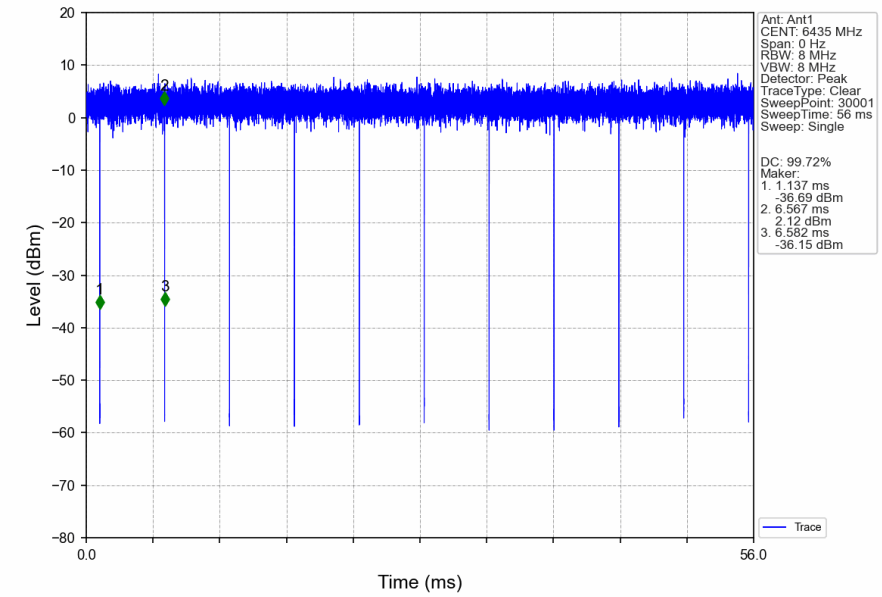
802.11a_MCH_6475MHz_Ant1_NTNV



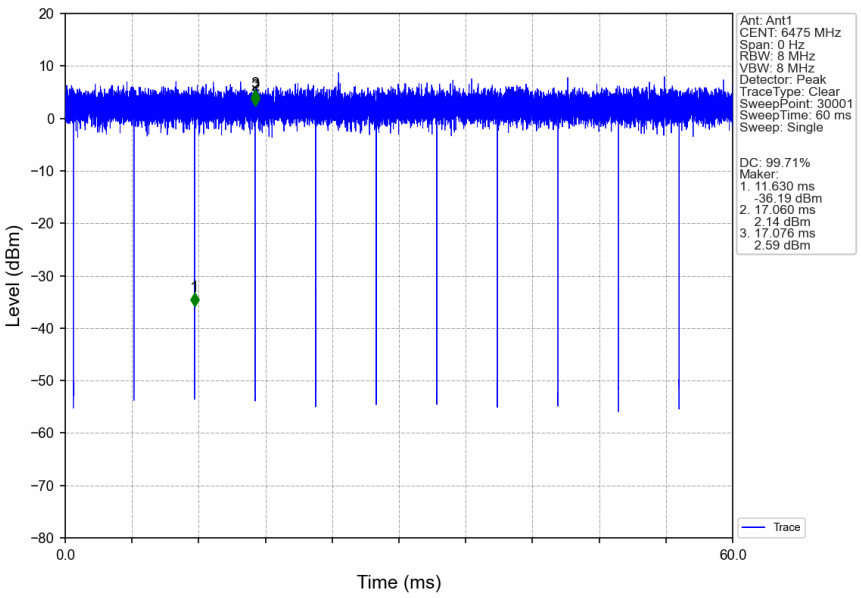
802.11a_HCH_6515MHz_Ant1_NTNV



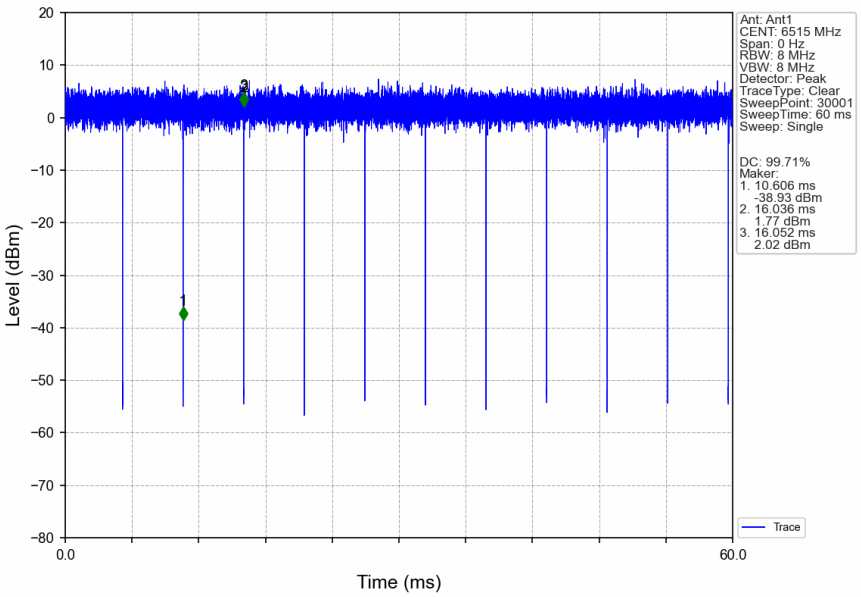
802.11ax(HEW20)_LCH_6435MHz_RU242_Left_Ant1_NTNV



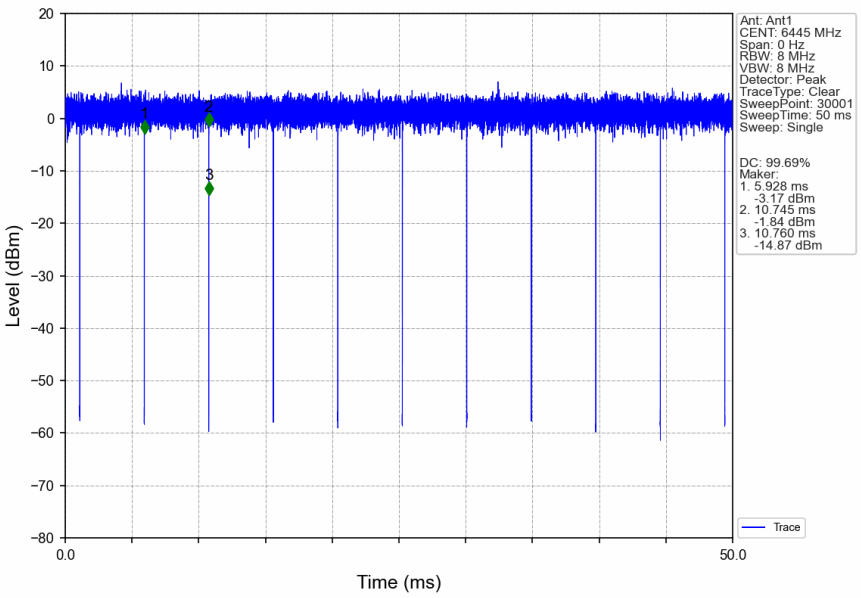
802.11ax(HEW20)_MCH_6475MHz_RU242_Left_Ant1_NTNV



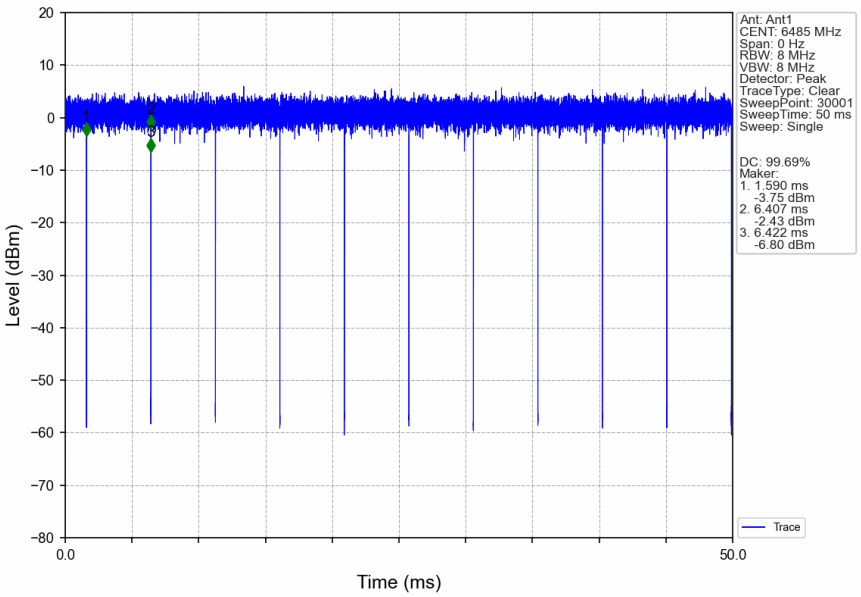
802.11ax(HEW20)_HCH_6515MHz_RU242_Left_Ant1_NTNV



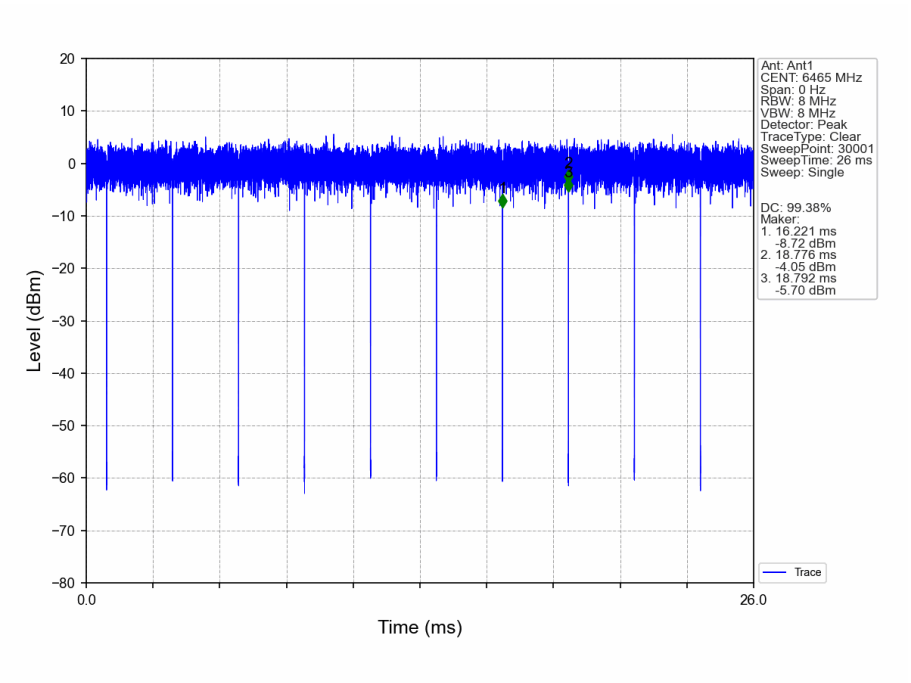
802.11ax(HEW40)_LCH_6445MHz_RU484_Left_Ant1_NTNV



802.11ax(HEW40)_MCH_6485MHz_RU484_Left_Ant1_NTNV

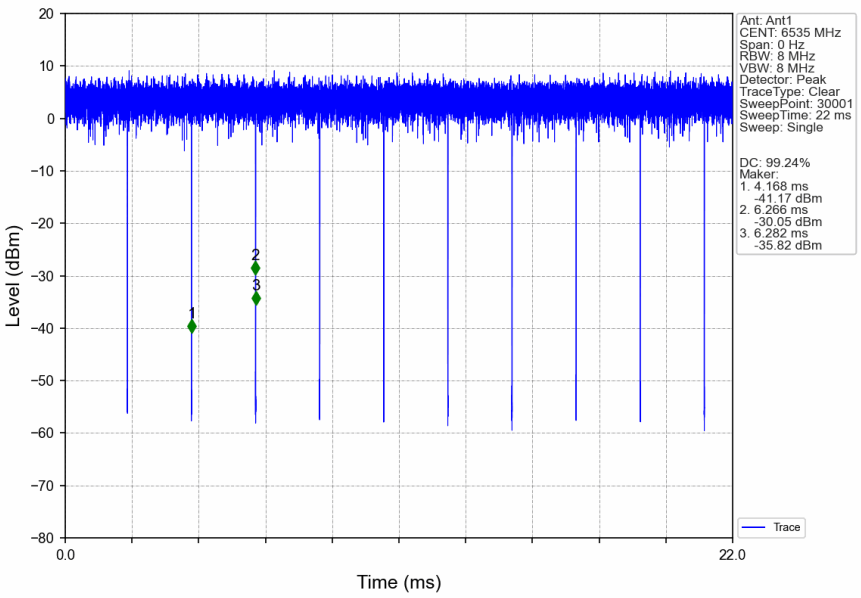


802.11ax(HEW80)_LCH_6465MHz_RU996_Left_Ant1_NTNV

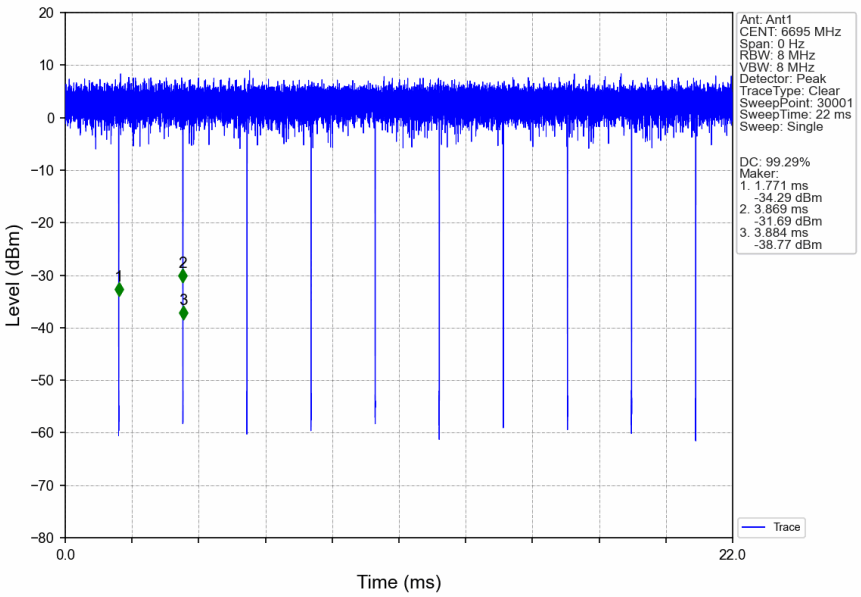


1.2.3 Ant1

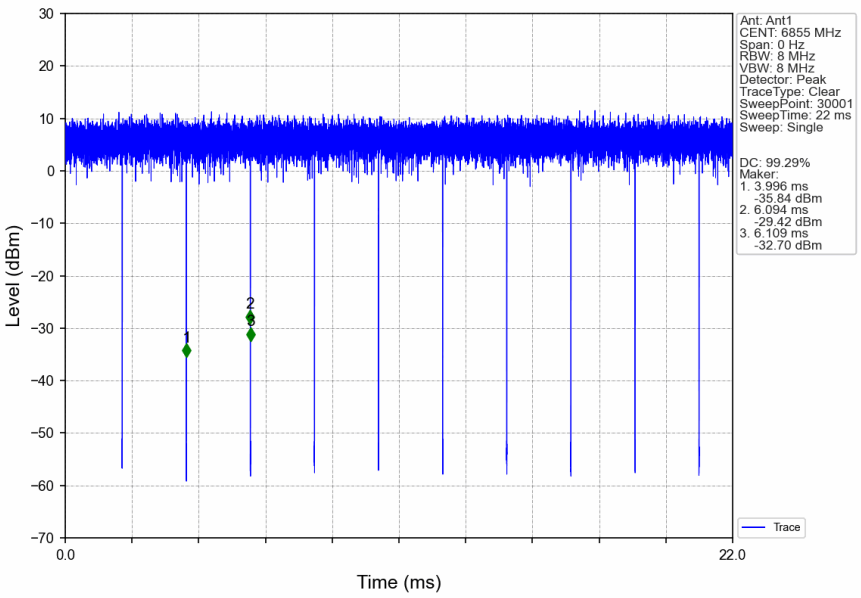
802.11a_LCH_6535MHz_Ant1_NTNV



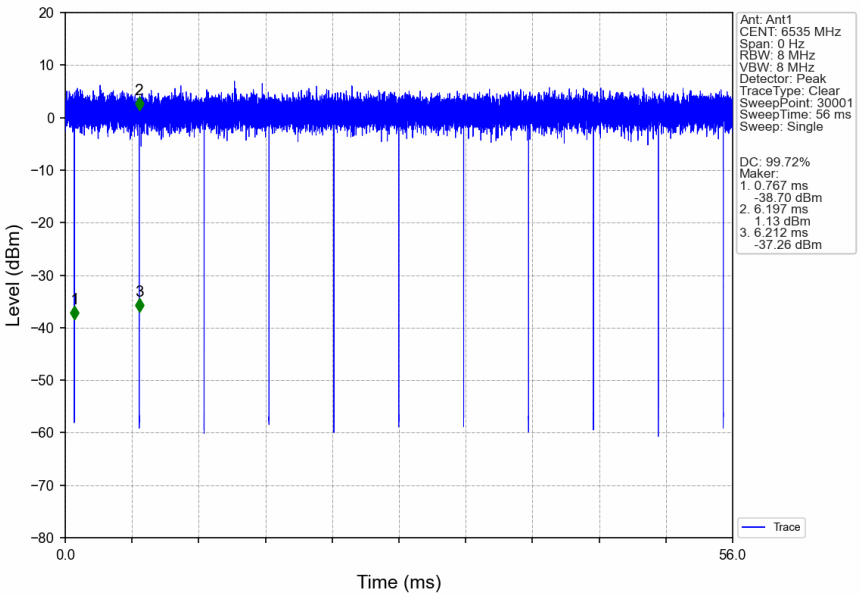
802.11a_MCH_6695MHz_Ant1_NTNV



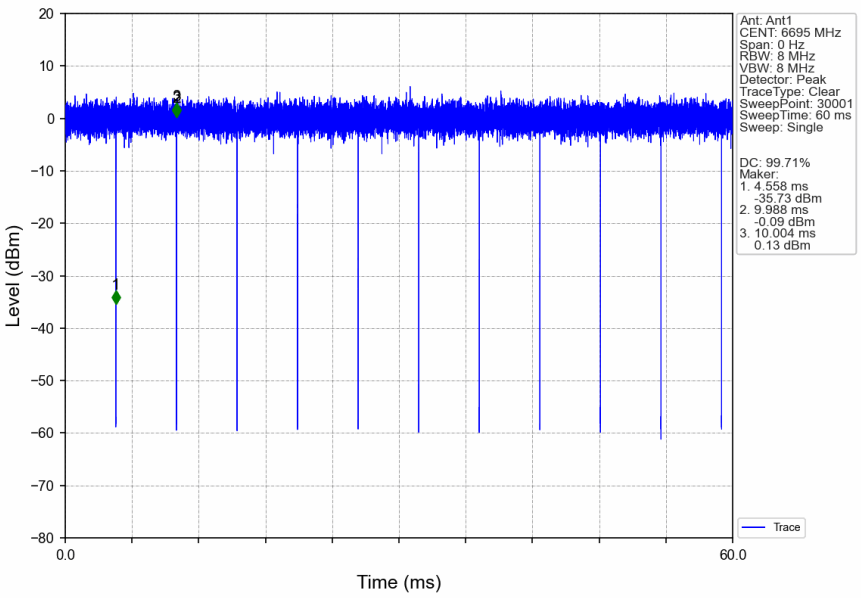
802.11a_HCH_6855MHz_Ant1_NTNV



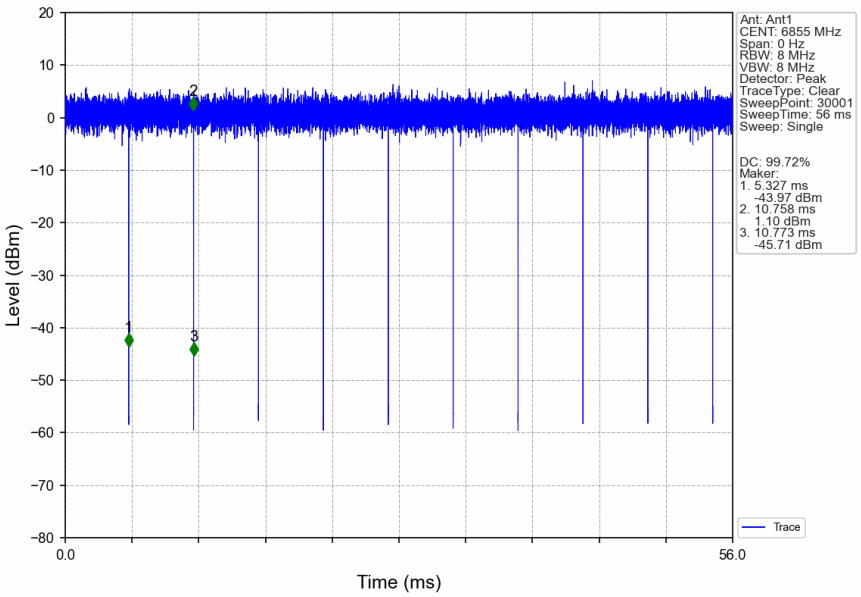
802.11ax(HEW20)_LCH_6535MHz_RU242_Left_Ant1_NTNV



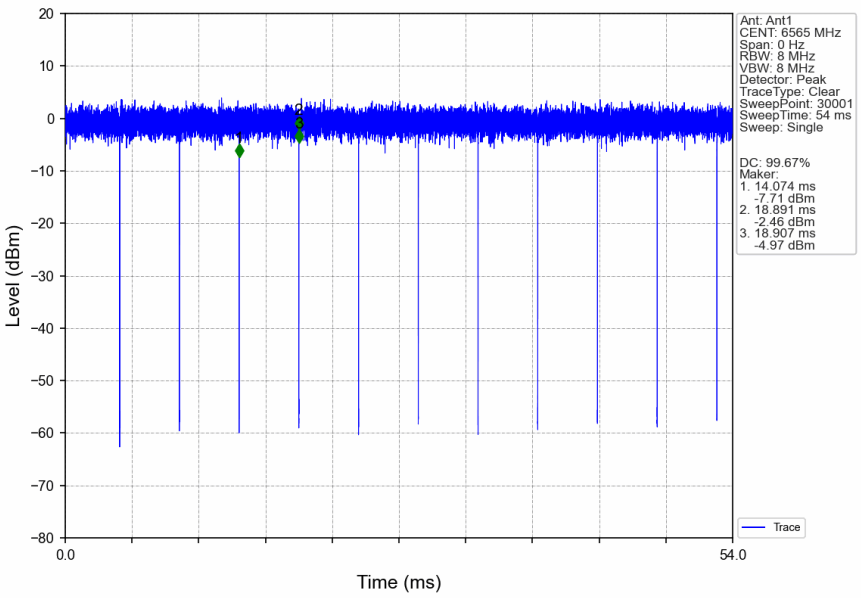
802.11ax(HEW20)_MCH_6695MHz_RU242_Left_Ant1_NTNV



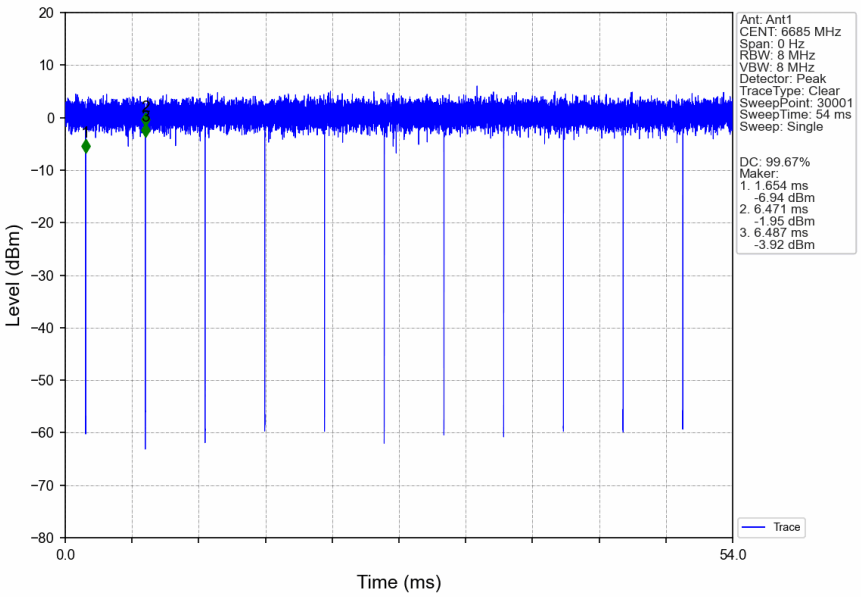
802.11ax(HEW20)_HCH_6855MHz_RU242_Left_Ant1_NTNV



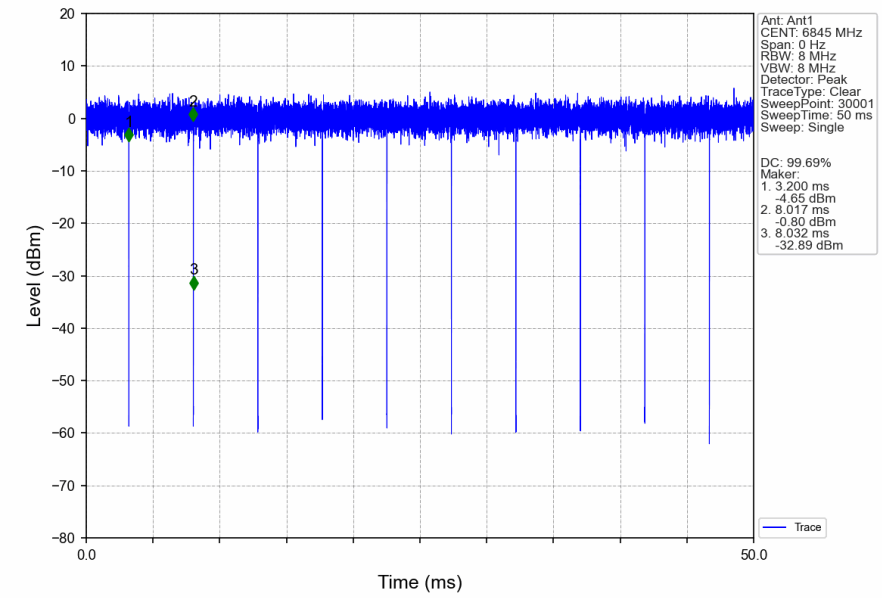
802.11ax(HEW40)_LCH_6565MHz_RU484_Left_Ant1_NTNV



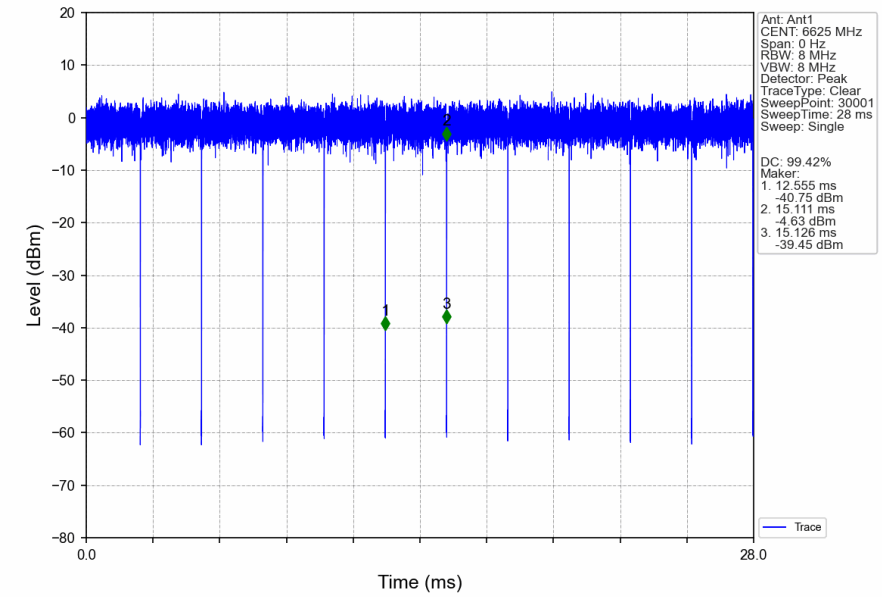
802.11ax(HEW40)_MCH_6685MHz_RU484_Left_Ant1_NTNV



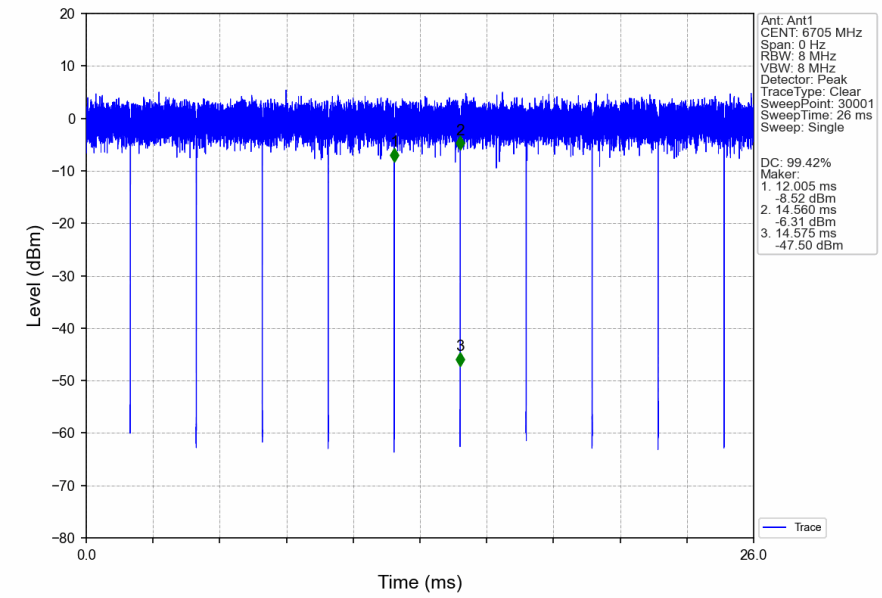
802.11ax(HEW40)_HCH_6845MHz_RU484_Left_Ant1_NTNV



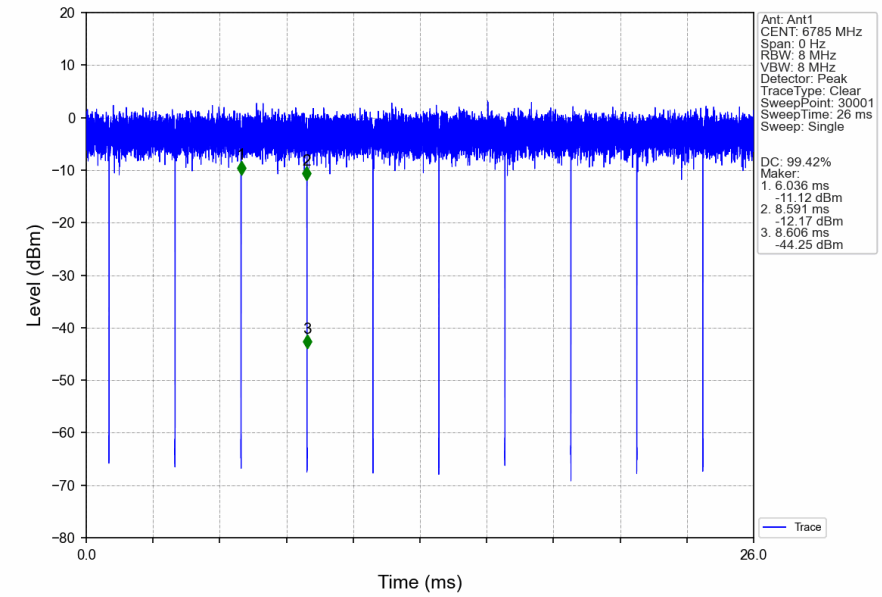
802.11ax(HEW80)_LCH_6625MHz_RU996_Left_Ant1_NTNV



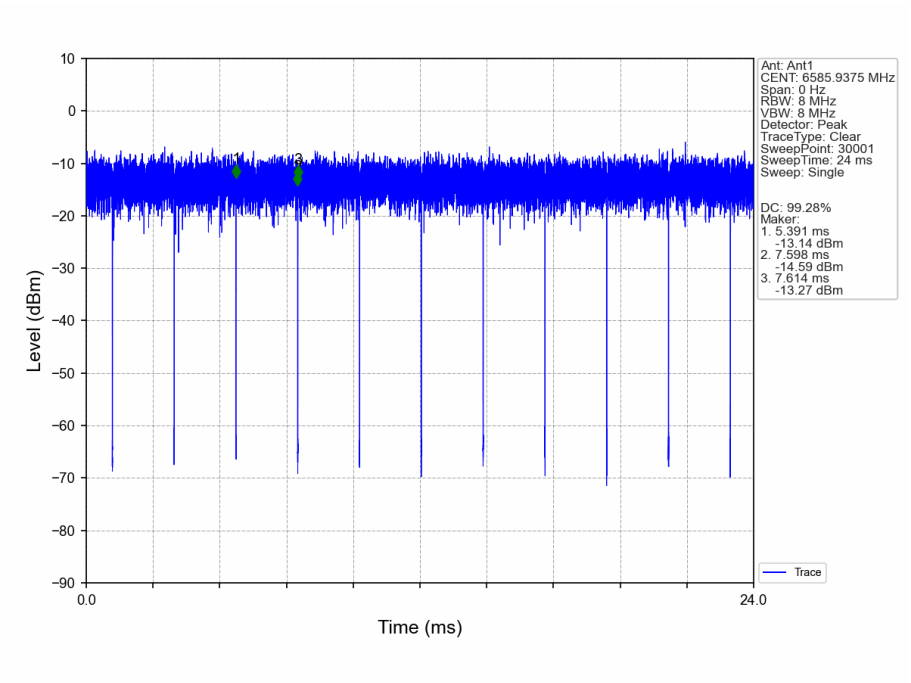
802.11ax(HEW80)_MCH_6705MHz_RU996_Left_Ant1_NTNV



802.11ax(HEW80)_HCH_6785MHz_RU996_Left_Ant1_NTNV

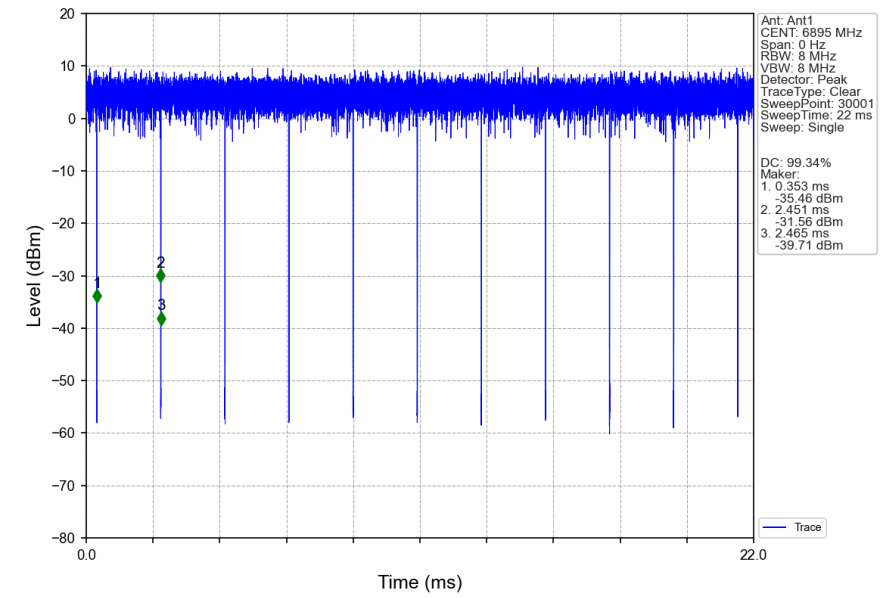


802.11ax(HEW160)_MCH_6665MHz_2xRU996_Left_Ant1_NTNV

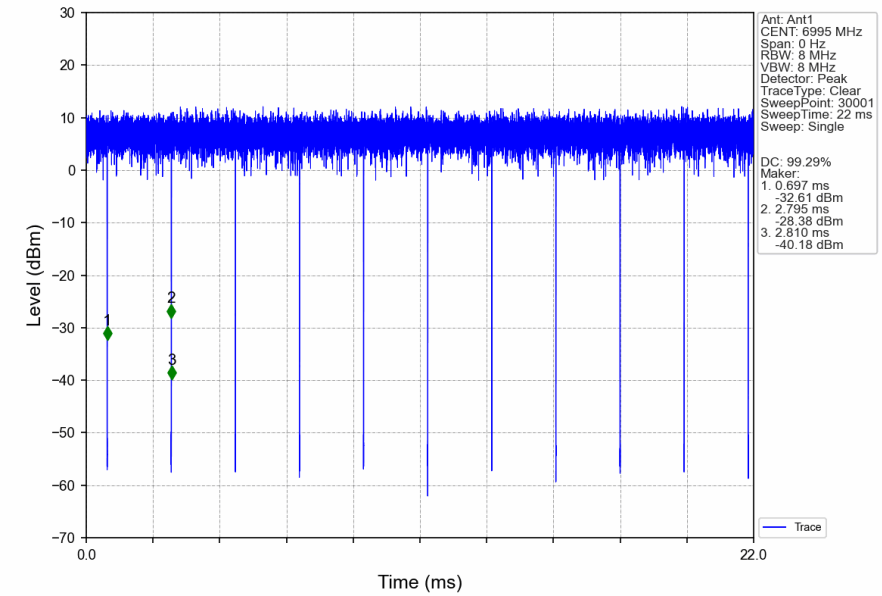


1.2.4 Ant1

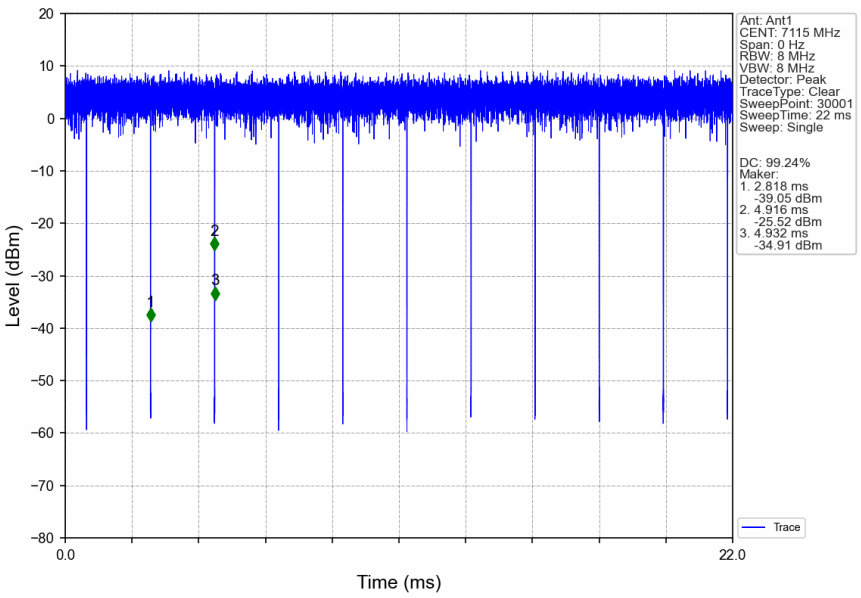
802.11a_LCH_6895MHz_Ant1_NTNV



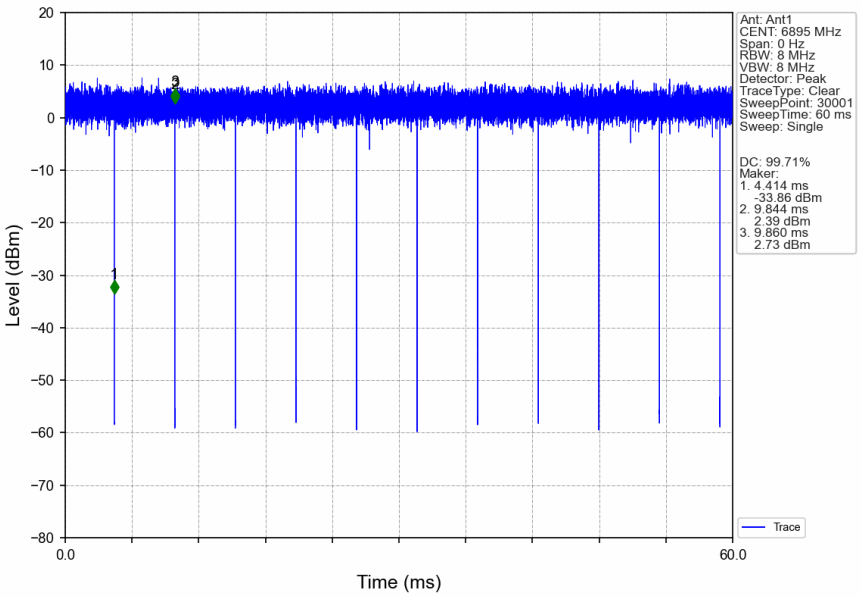
802.11a_MCH_6995MHz_Ant1_NTNV



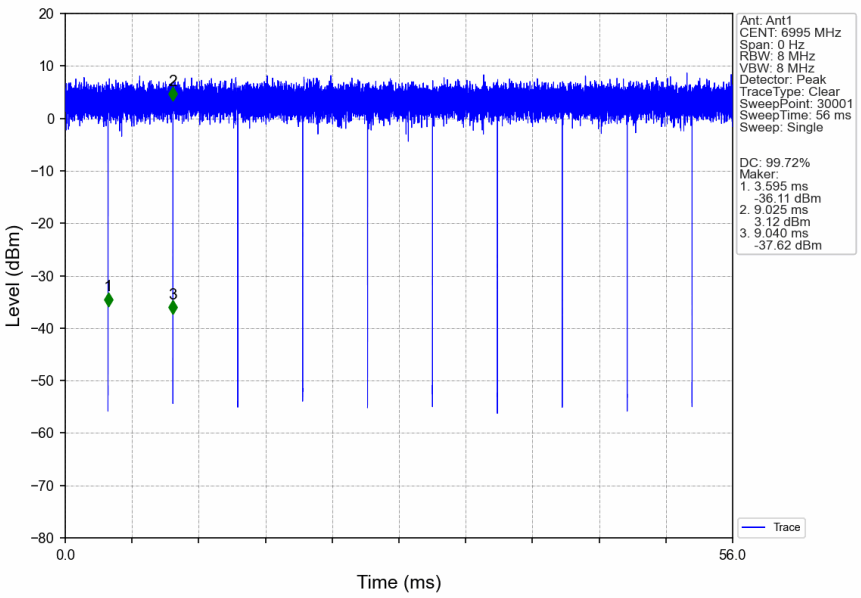
802.11a_HCH_7115MHz_Ant1_NTNV



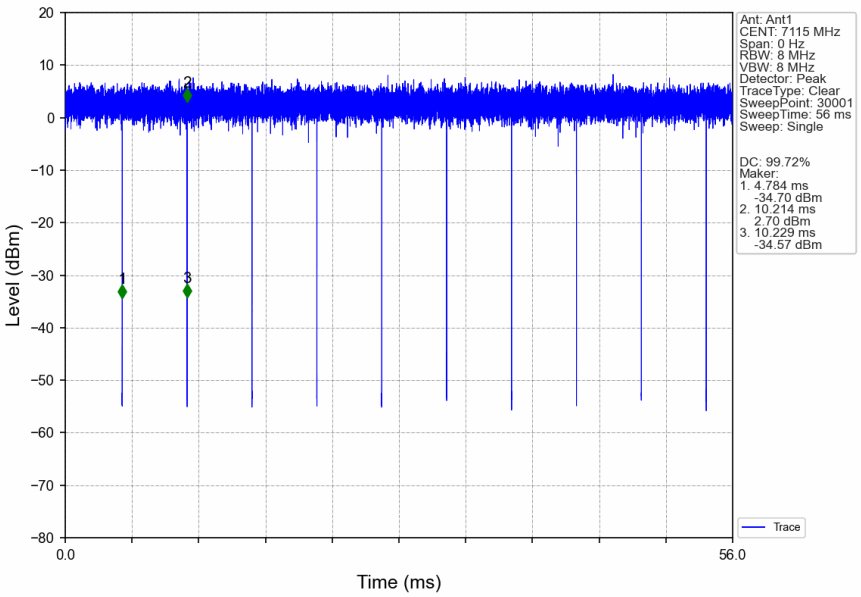
802.11ax(HEW20)_LCH_6895MHz_RU242_Left_Ant1_NTNV



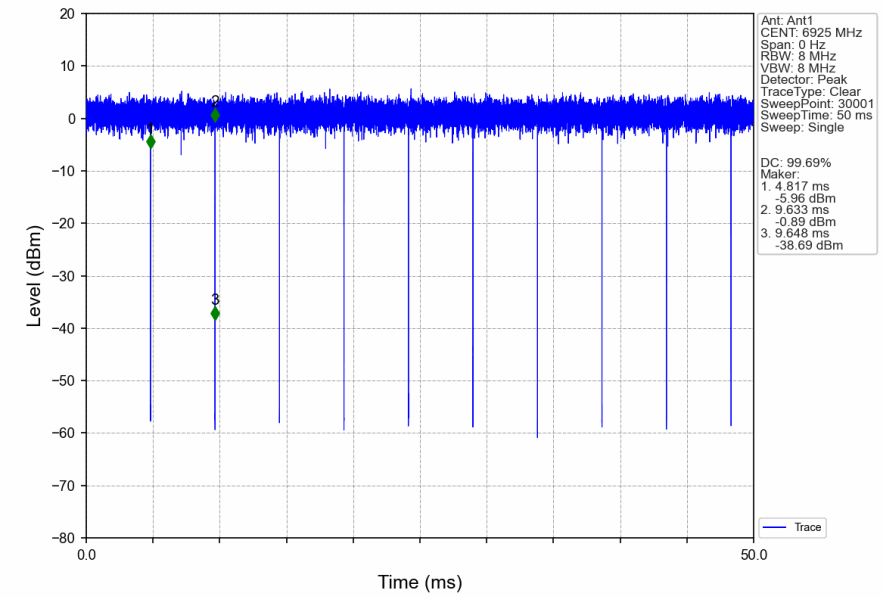
802.11ax(HEW20)_MCH_6995MHz_RU242_Left_Ant1_NTNV



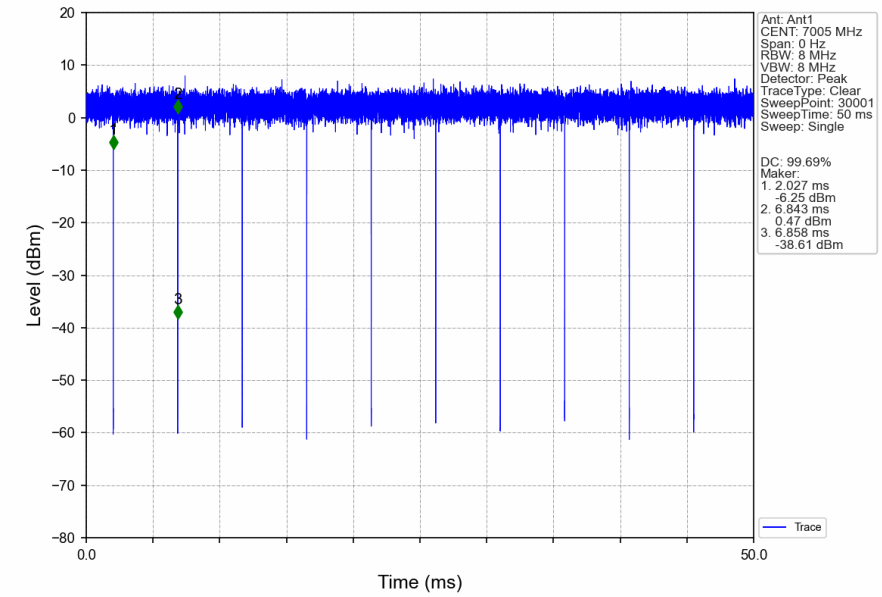
802.11ax(HEW20)_HCH_7115MHz_RU242_Left_Ant1_NTNV



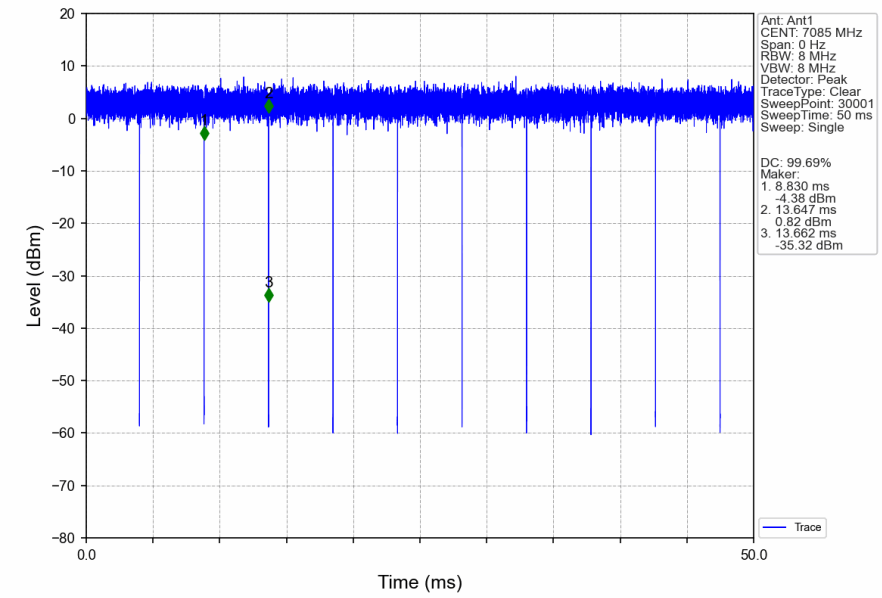
802.11ax(HEW40)_LCH_6925MHz_RU484_Left_Ant1_NTNV



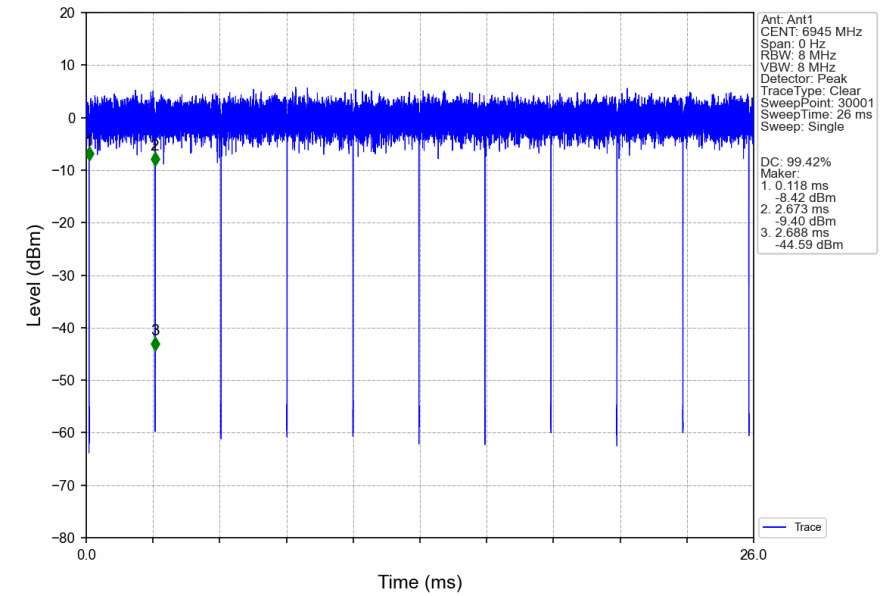
802.11ax(HEW40)_MCH_7005MHz_RU484_Left_Ant1_NTNV



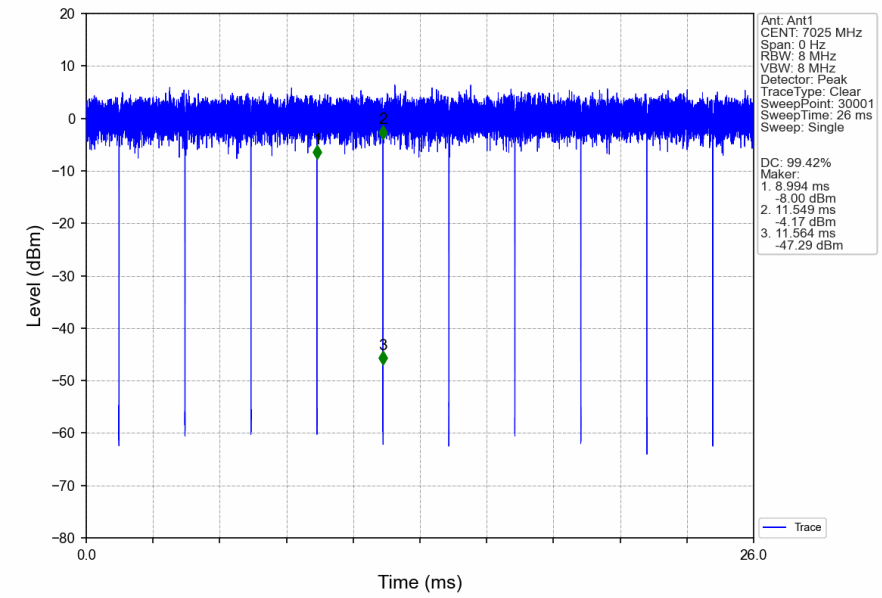
802.11ax(HEW40)_HCH_7085MHz_RU484_Left_Ant1_NTNV



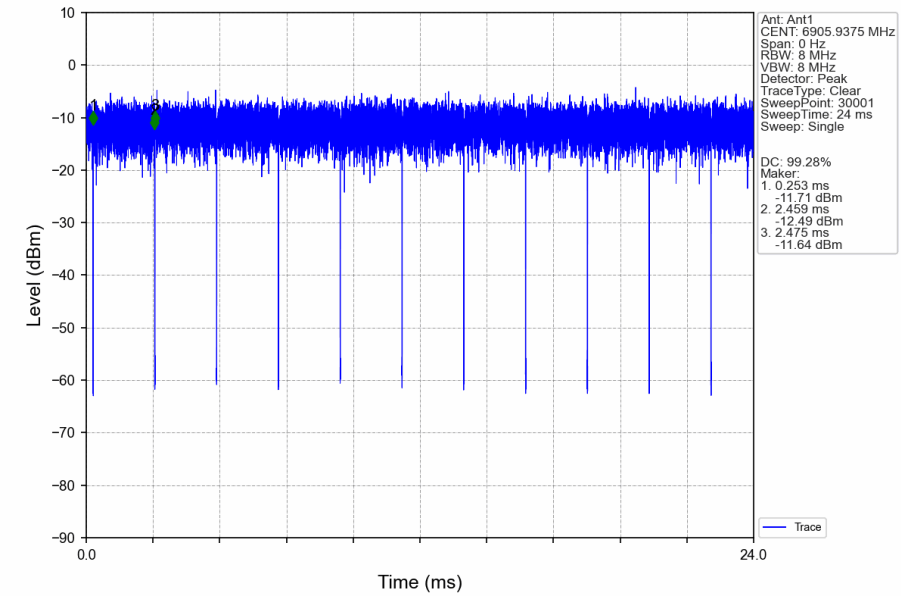
802.11ax(HEW80)_LCH_6945MHz_RU996_Left_Ant1_NTNV



802.11ax(HEW80)_HCH_7025MHz_RU996_Left_Ant1_NTNV

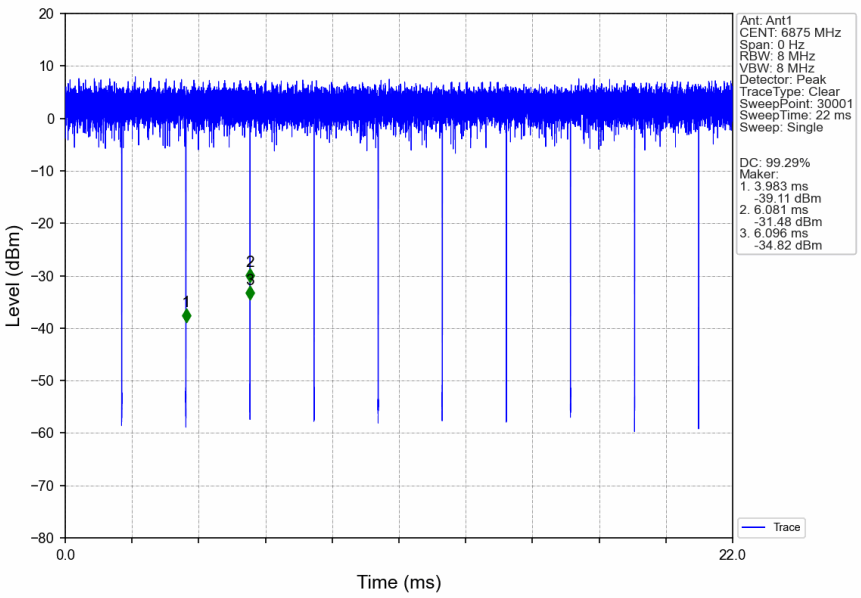


802.11ax(HEW160)_MCH_6985MHz_2xRU996_Left_Ant1_NTNV

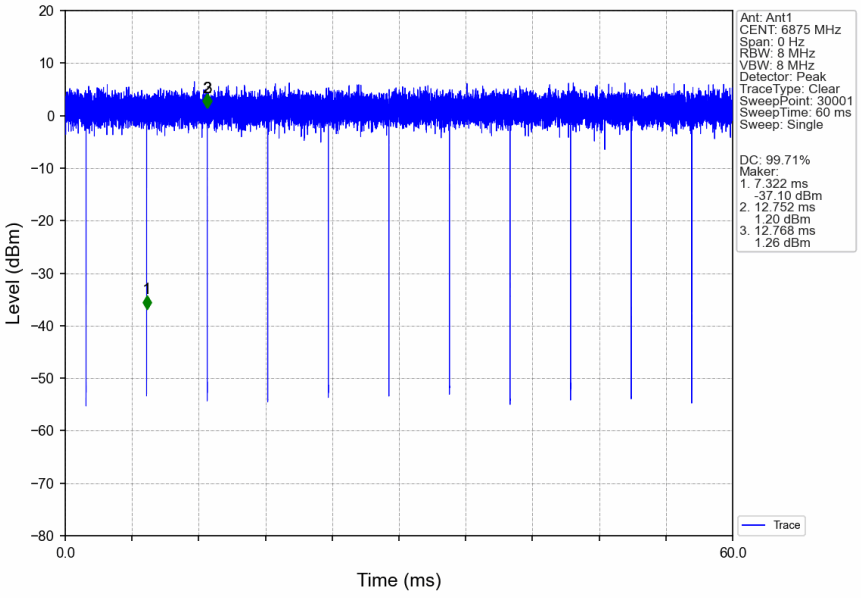


1.2.5 Ant1

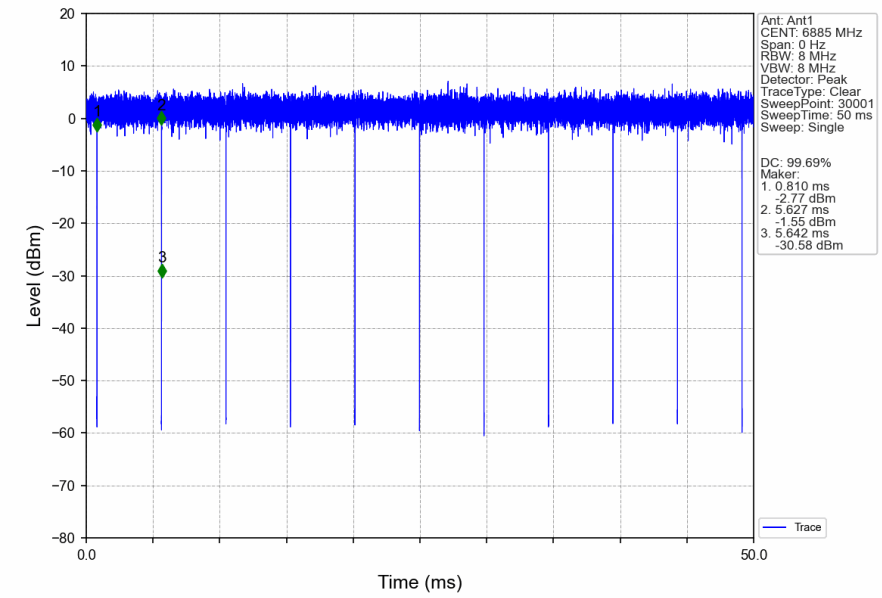
802.11a_HCH_6875MHz_Ant1_NTNV



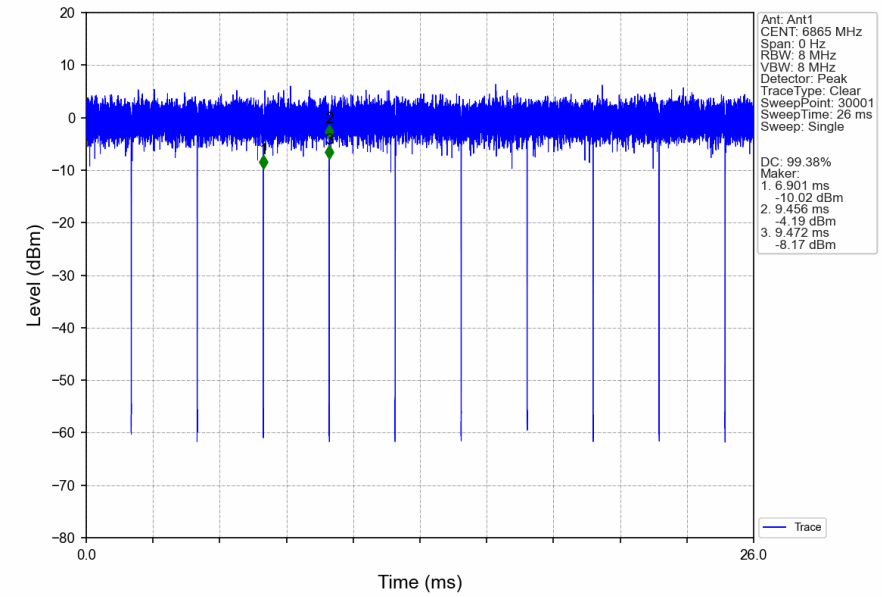
802.11ax(HEW20)_HCH_6875MHz_RU242_Left_Ant1_NTNV



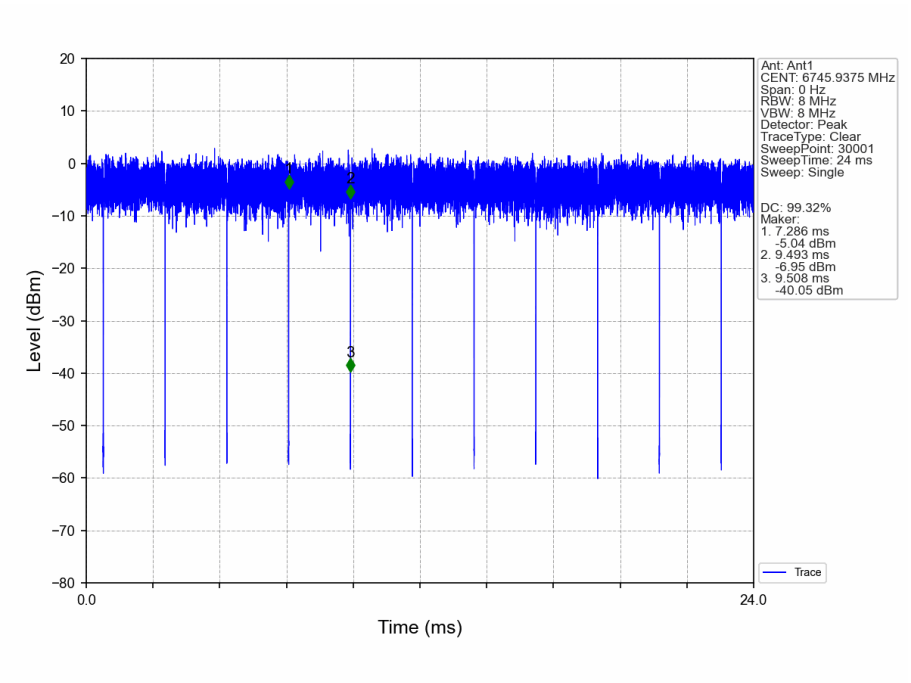
802.11ax(HEW40)_HCH_6885MHz_RU484_Left_Ant1_NTNV



802.11ax(HEW80)_HCH_6865MHz_RU996_Left_Ant1_NTNV

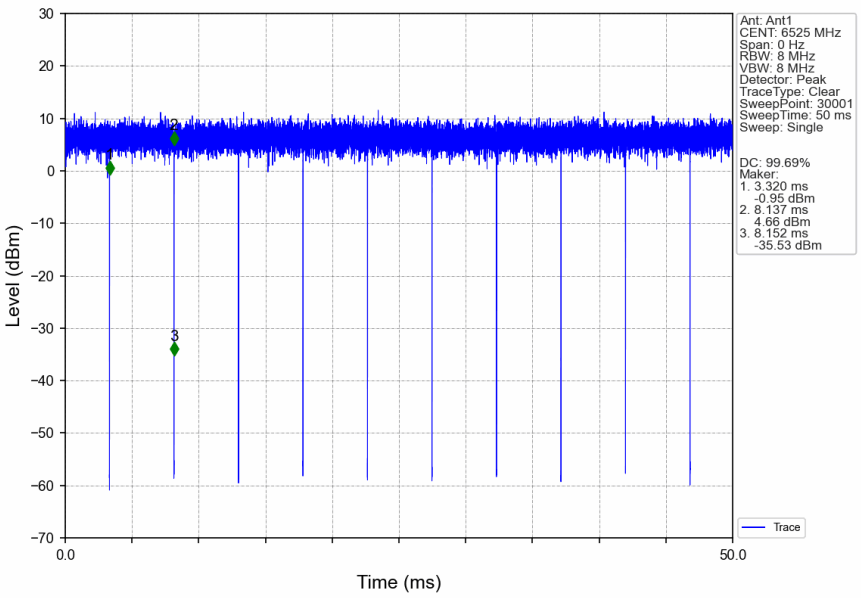


802.11ax(HEW160)_HCH_6825MHz_2xRU996_Left_Ant1_NTNV

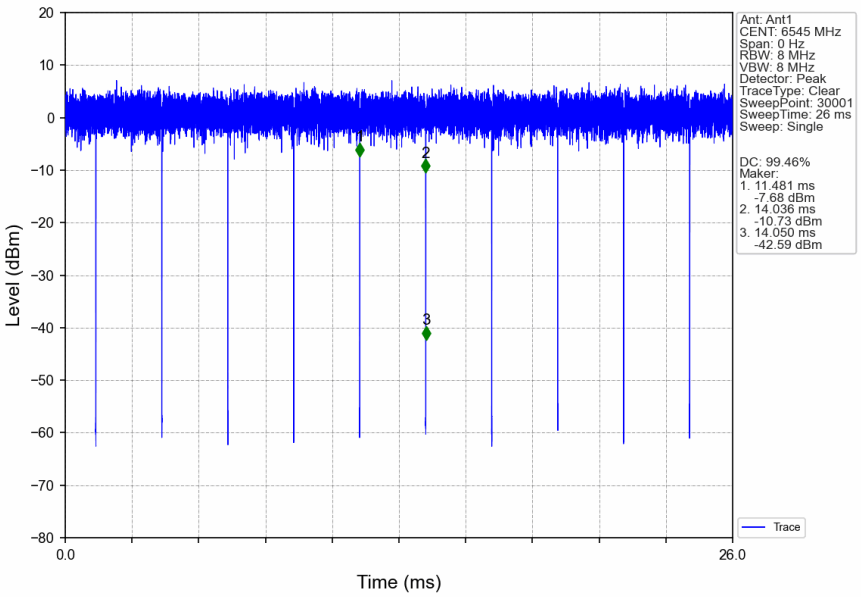


1.2.6 Ant1

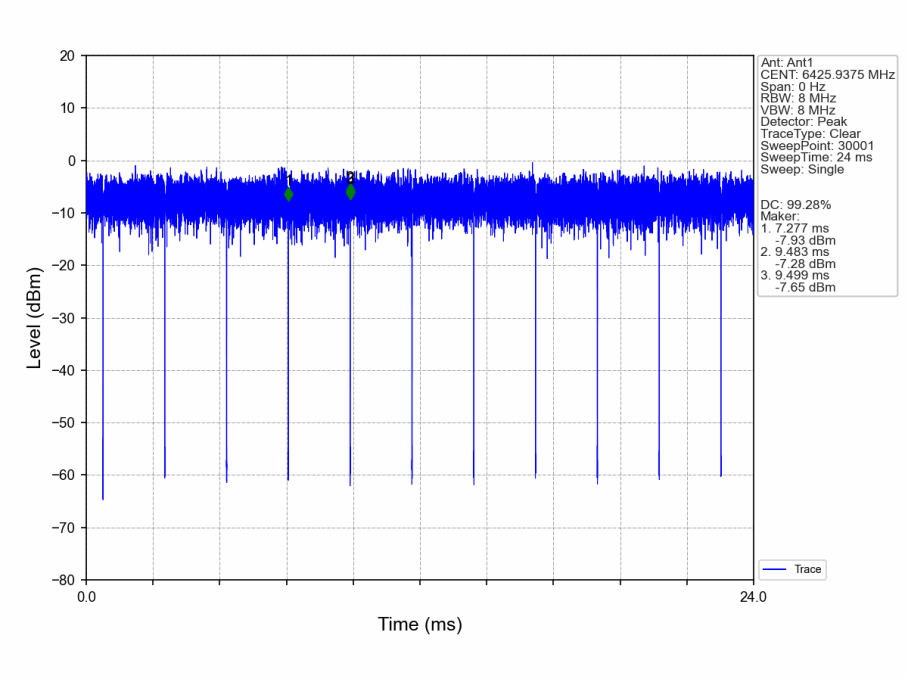
802.11ax(HEW40)_HCH_6525MHz_RU484_Left_Ant1_NTNV



802.11ax(HEW80)_HCH_6545MHz_RU996_Left_Ant1_NTNV



802.11ax(HEW160)_HCH_6505MHz_2xRU996_Left_Ant1_NTNV



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	/	/	1	16.758	<=320	Pass
			6175	/	/	1	16.763	<=320	Pass
			6415	/	/	1	16.760	<=320	Pass
	802.11ax (HEW20)	MIMO	5955	RU242	Left	1	18.920	<=320	Pass
			6175	RU242	Left	1	18.800	<=320	Pass
			6415	RU242	Left	1	18.793	<=320	Pass
	802.11ax (HEW40)	MIMO	5965	RU484	Left	1	37.845	<=320	Pass
			6165	RU484	Left	1	37.558	<=320	Pass
			6405	RU484	Left	1	37.642	<=320	Pass
	802.11ax (HEW80)	MIMO	5985	RU996	Left	1	76.875	<=320	Pass
			6145	RU996	Left	1	76.590	<=320	Pass
			6385	RU996	Left	1	76.928	<=320	Pass
	802.11ax (HEW160)	MIMO	6025	2xRU996	Left	1	153.934	<=320	Pass
			6185	2xRU996	Left	1	154.556	<=320	Pass
			6345	2xRU996	Left	1	155.508	<=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	/	/	1	19.203	/	Pass
			6175	/	/	1	19.260	/	Pass
			6415	/	/	1	19.043	/	Pass
	802.11ax (HEW20)	MIMO	5955	RU242	Left	1	20.668	/	Pass
			6175	RU242	Left	1	20.875	/	Pass
			6415	RU242	Left	1	21.029	/	Pass
	802.11ax (HEW40)	MIMO	5965	RU484	Left	1	40.939	/	Pass
			6165	RU484	Left	1	41.216	/	Pass
			6405	RU484	Left	1	40.647	/	Pass
	802.11ax (HEW80)	MIMO	5985	RU996	Left	1	81.106	/	Pass
			6145	RU996	Left	1	80.986	/	Pass
			6385	RU996	Left	1	80.880	/	Pass
	802.11ax (HEW160)	MIMO	6025	2xRU996	Left	1	164.374	/	Pass
			6185	2xRU996	Left	1	164.131	/	Pass
			6345	2xRU996	Left	1	164.944	/	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	/	/	1	16.302	<=320	Pass
			6475	/	/	1	16.301	<=320	Pass
			6515	/	/	1	16.290	<=320	Pass
	802.11ax (HEW20)	MIMO	6435	RU242	Left	1	18.809	<=320	Pass
			6475	RU242	Left	1	18.807	<=320	Pass
			6515	RU242	Left	1	18.805	<=320	Pass
	802.11ax (HEW40)	MIMO	6445	RU484	Left	1	37.643	<=320	Pass
			6485	RU484	Left	1	37.637	<=320	Pass
	802.11ax (HEW80)	MIMO	6465	RU996	Left	1	76.642	<=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	/	/	1	18.621	/	Pass
			6475	/	/	1	19.593	/	Pass
			6515	/	/	1	18.563	/	Pass
	802.11ax (HEW20)	MIMO	6435	RU242	Left	1	20.545	/	Pass
			6475	RU242	Left	1	20.982	/	Pass
			6515	RU242	Left	1	20.403	/	Pass
	802.11ax (HEW40)	MIMO	6445	RU484	Left	1	40.787	/	Pass
			6485	RU484	Left	1	41.346	/	Pass
	802.11ax (HEW80)	MIMO	6465	RU996	Left	1	80.982	/	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	/	/	1	16.276	<=320	Pass
			6695	/	/	1	16.281	<=320	Pass
			6855	/	/	1	16.294	<=320	Pass
	802.11ax (HEW20)	MIMO	6535	RU242	Left	1	18.833	<=320	Pass
			6695	RU242	Left	1	18.837	<=320	Pass
			6855	RU242	Left	1	18.774	<=320	Pass
	802.11ax (HEW40)	MIMO	6565	RU484	Left	1	37.581	<=320	Pass
			6685	RU484	Left	1	37.606	<=320	Pass
			6845	RU484	Left	1	37.620	<=320	Pass
	802.11ax (HEW80)	MIMO	6625	RU996	Left	1	76.760	<=320	Pass
			6705	RU996	Left	1	76.493	<=320	Pass
			6785	RU996	Left	1	76.603	<=320	Pass
	802.11ax (HEW160)	MIMO	6665	2xRU996	Left	1	155.235	<=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	/	/	1	18.771	/	Pass
			6695	/	/	1	18.466	/	Pass
			6855	/	/	1	18.768	/	Pass
	802.11ax (HEW20)	MIMO	6535	RU242	Left	1	20.939	/	Pass
			6695	RU242	Left	1	20.822	/	Pass
			6855	RU242	Left	1	20.992	/	Pass
	802.11ax (HEW40)	MIMO	6565	RU484	Left	1	40.587	/	Pass
			6685	RU484	Left	1	40.946	/	Pass
			6845	RU484	Left	1	41.245	/	Pass
	802.11ax (HEW80)	MIMO	6625	RU996	Left	1	81.337	/	Pass
			6705	RU996	Left	1	81.276	/	Pass
			6785	RU996	Left	1	80.992	/	Pass
	802.11ax (HEW160)	MIMO	6665	2xRU996	Left	1	164.201	/	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	/	/	1	16.283	<=320	Pass
			6995	/	/	1	16.297	<=320	Pass
			7115	/	/	1	16.283	<=320	Pass
	802.11ax (HEW20)	MIMO	6895	RU242	Left	1	18.809	<=320	Pass
			6995	RU242	Left	1	18.822	<=320	Pass
			7115	RU242	Left	1	18.848	<=320	Pass
	802.11ax (HEW40)	MIMO	6925	RU484	Left	1	37.684	<=320	Pass
			7005	RU484	Left	1	37.607	<=320	Pass
			7085	RU484	Left	1	37.649	<=320	Pass
	802.11ax (HEW80)	MIMO	6945	RU996	Left	1	76.673	<=320	Pass
			7025	RU996	Left	1	76.570	<=320	Pass
	802.11ax (HEW160)	MIMO	6985	2xRU996	Left	1	155.087	<=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	/	/	1	18.747	/	Pass
			6995	/	/	1	18.631	/	Pass
			7115	/	/	1	19.423	/	Pass
	802.11ax (HEW20)	MIMO	6895	RU242	Left	1	20.891	/	Pass
			6995	RU242	Left	1	20.866	/	Pass
			7115	RU242	Left	1	20.803	/	Pass
	802.11ax (HEW40)	MIMO	6925	RU484	Left	1	41.290	/	Pass
			7005	RU484	Left	1	41.066	/	Pass
			7085	RU484	Left	1	41.309	/	Pass
	802.11ax (HEW80)	MIMO	6945	RU996	Left	1	81.308	/	Pass
			7025	RU996	Left	1	82.023	/	Pass
	802.11ax (HEW160)	MIMO	6985	2xRU996	Left	1	163.332	/	Pass

2.1.9 OBW

ENV	Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	99% Occupied Bandwidth (MHz)		Verdict
							Result	Limit	
NTNV	802.11a	SISO	6875	/	/	1	16.304	<=320	Pass
	802.11ax (HEW20)	MIMO	6875	RU242	Left	1	18.824	<=320	Pass
	802.11ax (HEW40)	MIMO	6885	RU484	Left	1	37.717	<=320	Pass
	802.11ax (HEW80)	MIMO	6865	RU996	Left	1	76.648	<=320	Pass
	802.11ax (HEW160)	MIMO	6825	2xRU996	Left	1	154.902	<=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	/	/	1	18.686	/	Pass
	802.11ax (HEW20)	MIMO	6875	RU242	Left	1	20.519	/	Pass
	802.11ax (HEW40)	MIMO	6885	RU484	Left	1	41.521	/	Pass
	802.11ax (HEW80)	MIMO	6865	RU996	Left	1	81.240	/	Pass
	802.11ax (HEW160)	MIMO	6825	2xRU996	Left	1	163.257	/	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	1	37.585	<=320	Pass
	802.11ax (HEW80)	MIMO	6545	RU996	Left	1	76.473	<=320	Pass
	802.11ax (HEW160)	MIMO	6505	2xRU996	Left	1	155.090	<=320	Pass

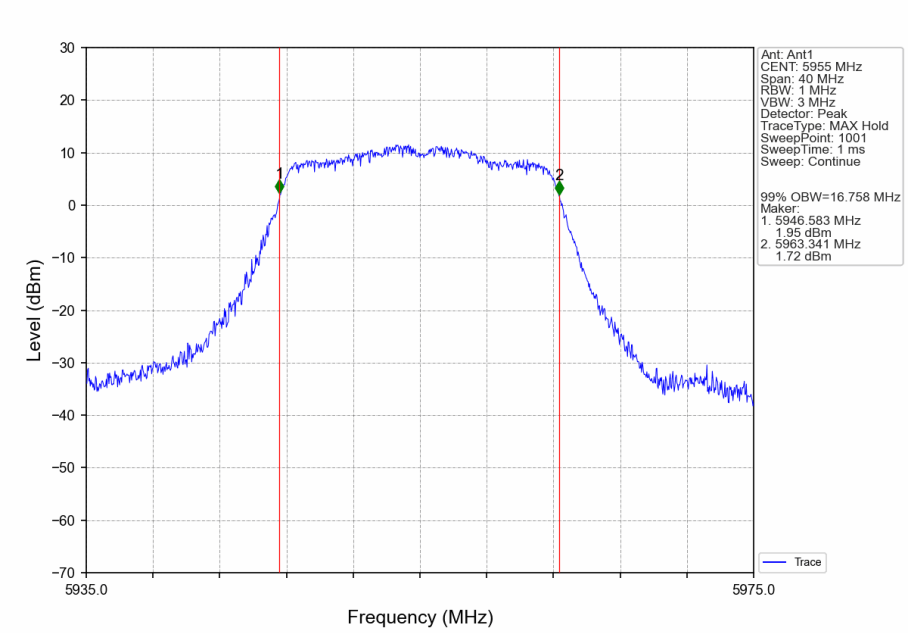
2.1.12 26dB BW

ENV	Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	26dB Bandwidth (MHz)		Verdict
							Result	Limit	
NTNV	802.11ax (HEW40)	MIMO	6525	RU484	Left	1	40.929	/	Pass
	802.11ax (HEW80)	MIMO	6545	RU996	Left	1	80.977	/	Pass
	802.11ax (HEW160)	MIMO	6505	2xRU996	Left	1	163.850	/	Pass

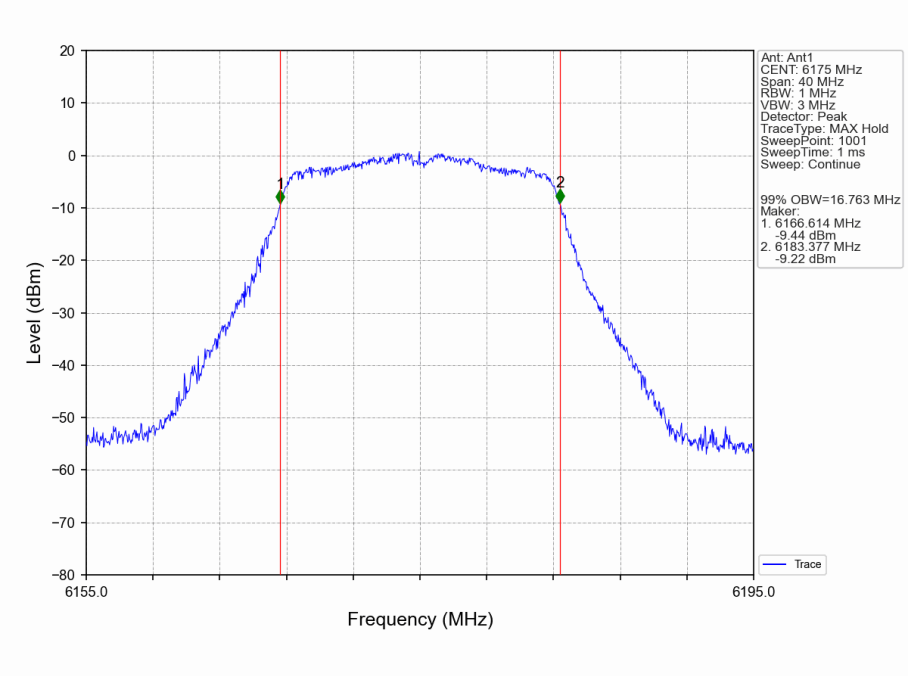
2.2 Test Graph

2.2.1 OBW

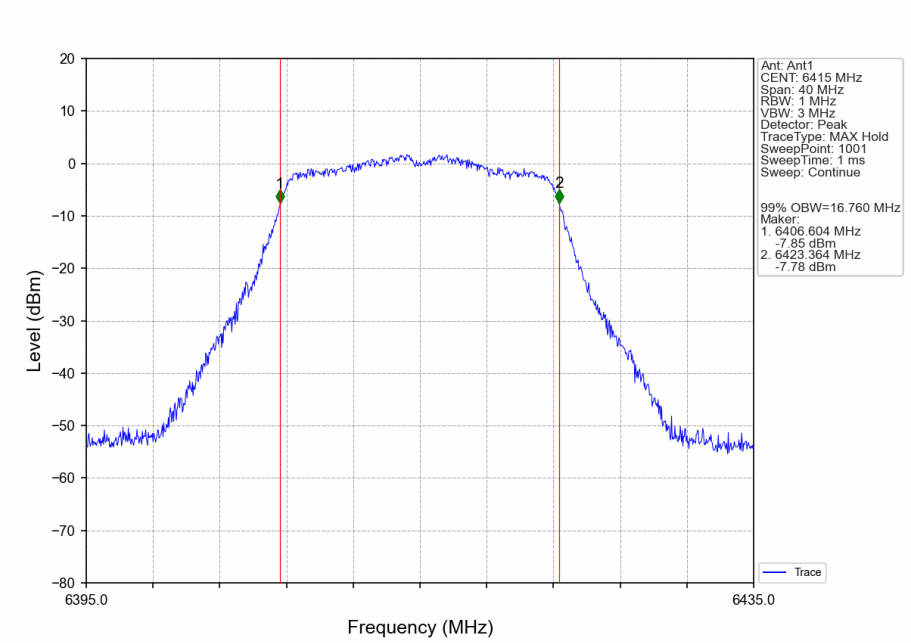
802.11a_LCH_5955MHz_Ant1_NTNV



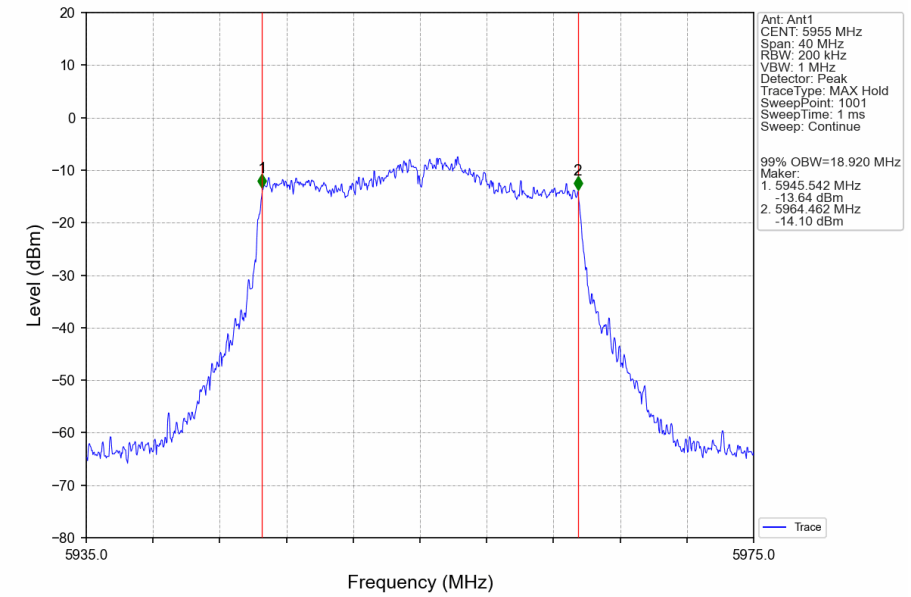
802.11a_MCH_6175MHz_Ant1_NTNV



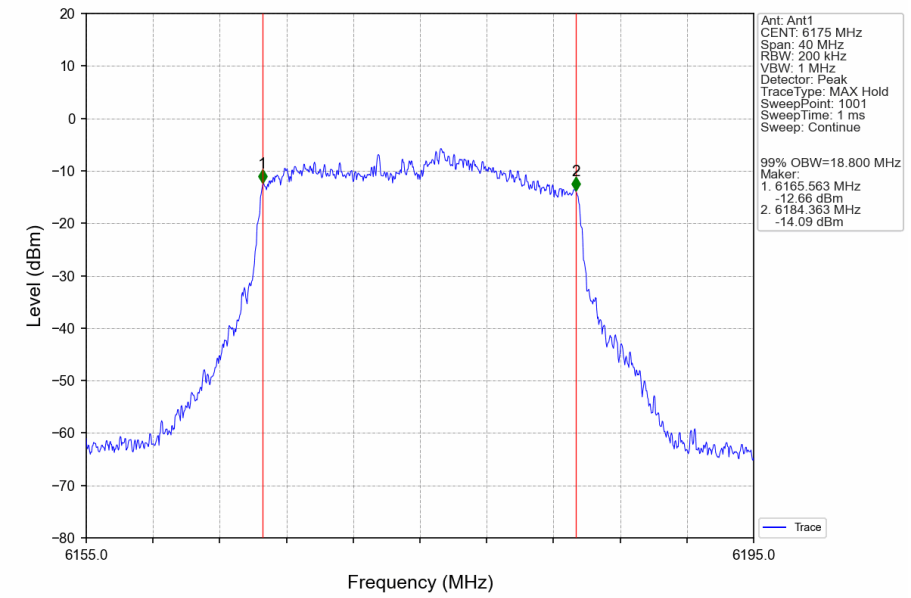
802.11a_HCH_6415MHz_Ant1_NTNV



802.11ax(HEW20)_LCH_5955MHz_RU242_Left_Ant1_NTNV



802.11ax(HEW20)_MCH_6175MHz_RU242_Left_Ant1_NTNV



802.11ax(HEW20)_HCH_6415MHz_RU242_Left_Ant1_NTNV