

# TEST REPORT

**Application No.:** SZCR2503000881WM  
**Applicant:** NOTHING TECHNOLOGY LIMITED  
**Address of Applicant:** Bedford House, 21A John Street, London, United Kingdom WC1N 2BF  
**Manufacturer:** NOTHING TECHNOLOGY LIMITED  
**Address of Manufacturer:** Bedford House, 21A John Street, London, United Kingdom WC1N 2BF  
**Equipment Under Test (EUT):**  
**EUT Name:** Smart Phone  
**Model No.:** A024  
**Trade Mark:** NOTHING  
**FCC ID:** 2AZEQ-A024  
**Standard(s) :** 47 CFR Part 15, Subpart E 15.407  
**Date of Receipt:** 2025-03-10  
**Date of Test:** 2025-03-21 to 2025-04-23  
**Date of Issue:** 2025-05-06

<b>Test Result:</b>	<b>Pass*</b>
---------------------	--------------

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

*Keny Xu*

Keny Xu  
EMC Laboratory Manager



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

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SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250300088107

Page: 2 of 579

Revision Record				
Version	Chapter	Date	Modifier	Remark
01		2025-05-06		Original

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



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## 2 Test Summary

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

Radio Spectrum Matter Part				
Item	Standard	Method	Requirement	Result
Conducted Emissions at AC Power Line (150kHz-30MHz)	47 CFR Part 15, Subpart E 15.407	ANSI C63.10 (2013) Section 6.2	47 CFR Part 15, Subpart C 15.207 & Subpart E 15.407 b(9)	Pass
Maximum Conducted output power		ANSI C63.10 (2013) Section 12.3	47 CFR Part 15, Subpart E 15.407 (a)	Pass
Radiated Emissions (Below 1GHz)		ANSI C63.10 (2013) 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 (2013) Section 6.6	47 CFR Part 15, Subpart C 15.209 & Subpart E 15.407(b)	Pass
Radiated Emissions which fall in the restricted bands		ANSI C63.10 (2013) Section 6.10.5	47 CFR Part 15, Subpart C 15.209 & Subpart E 15.407(b)	Pass
In-Band Emissions		ANSI C63.10 (2013) Section 12.5	47 CFR Part 15, Subpart E 15.407 (b)	Pass
Contention-based Protocol		KDB 987594 D02	47 CFR Part 15, Subpart E 15.407 (d)(6)	
Duty Cycle		ANSI C63.10 (2013) Section 12.2	ANSI C63.10 (2013) Section 12.2	Pass
99% Bandwidth		ANSI C63.10 (2013) Section 12.4.2	ANSI C63.10 (2013) Section 12.4.2	Pass
26dB Emission bandwidth		ANSI C63.10 (2013) Section 12.4.1	47 CFR Part 15, Subpart E 15.407 (a)	Pass
Peak Power spectrum density		ANSI C63.10 (2013) Section 12.5	47 CFR Part 15, Subpart E 15.407 (a)	Pass
Frequency Stability		ANSI C63.10 (2013) Section 6.8	47 CFR Part 15, Subpart E 15.407 (g)	Pass



### 3 Contents

	Page
1 Cover Page .....	1
2 Test Summary .....	3
3 Contents .....	4
4 General Information .....	6
4.1 Details of E.U.T. ....	6
4.2 Description of Support Units .....	7
4.3 Measurement Uncertainty .....	7
4.4 Test Location .....	8
4.5 Test Facility .....	8
4.6 Deviation from Standards .....	8
4.7 Abnormalities from Standard Conditions .....	8
5 Equipment List .....	9
6 Radio Spectrum Technical Requirement .....	12
6.1 Antenna Requirement .....	12
6.1.1 Test Requirement: .....	12
6.1.2 Conclusion .....	12
7 Radio Spectrum Matter Test Results .....	13
7.1 Conducted Emissions at AC Power Line (150kHz-30MHz) .....	13
7.1.1 E.U.T. Operation .....	13
7.1.2 Test Mode Description .....	13
7.1.3 Test Setup Diagram .....	13
7.1.4 Measurement Procedure and Data .....	14
7.2 Maximum Conducted output power .....	17
7.2.1 E.U.T. Operation .....	17
7.2.2 Test Mode Description .....	17
7.2.3 Test Setup Diagram .....	18
7.2.4 Measurement Procedure and Data .....	18
7.3 Radiated Emissions (Below 1GHz) .....	19
7.3.1 E.U.T. Operation .....	19
7.3.2 Test Mode Description .....	19
7.3.3 Test Setup Diagram .....	19
7.3.4 Measurement Procedure and Data .....	20
7.4 Radiated Emissions (Above 1GHz) .....	23
7.4.1 E.U.T. Operation .....	23
7.4.2 Test Mode Description .....	23
7.4.3 Test Setup Diagram .....	24
7.4.4 Measurement Procedure and Data .....	25
7.5 Radiated Emissions which fall in the restricted bands .....	38
7.5.1 E.U.T. Operation .....	38





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

SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250300088107

Page: 5 of 579

7.5.2	Test Mode Description .....	38
7.5.3	Test Setup Diagram .....	39
7.5.4	Measurement Procedure and Data.....	40
7.6	In-Band Emissions .....	89
7.6.1	E.U.T. Operation .....	89
7.6.2	Test Mode Description .....	89
7.6.3	Test Setup Diagram .....	89
7.6.4	Measurement Procedure and Data.....	89
7.7	Contention-based Protocol.....	90
7.7.1	E.U.T. Operation .....	90
7.7.2	Test Setup Diagram .....	90
7.7.3	Measurement Procedure and Data.....	90
7.8	Duty Cycle .....	91
7.8.1	E.U.T. Operation .....	91
7.8.2	Test Mode Description .....	91
7.8.3	Test Setup Diagram .....	91
7.8.4	Measurement Procedure and Data.....	91
7.9	99% Bandwidth .....	92
7.9.1	E.U.T. Operation .....	92
7.9.2	Test Mode Description .....	92
7.9.3	Test Setup Diagram .....	92
7.9.4	Measurement Procedure and Data.....	92
7.10	26dB Emission bandwidth .....	93
7.10.1	E.U.T. Operation.....	93
7.10.2	Test Mode Description.....	93
7.10.3	Test Setup Diagram.....	93
7.10.4	Measurement Procedure and Data .....	93
7.11	Peak Power spectrum density.....	94
7.11.1	E.U.T. Operation.....	94
7.11.2	Test Mode Description.....	94
7.11.3	Test Setup Diagram.....	94
7.11.4	Measurement Procedure and Data .....	94
7.12	Frequency Stability.....	95
7.12.1	E.U.T. Operation.....	95
7.12.2	Test Mode Description.....	95
7.12.3	Test Setup Diagram.....	95
7.12.4	Measurement Procedure and Data .....	95
8	Test Setup Photo .....	96
9	EUT Constructional Details (EUT Photos) .....	96
10	Appendix.....	97
	For Wi-Fi 6E.....	97
	For Wi-Fi 7 .....	321



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## 4 General Information

### 4.1 Details of E.U.T.

Power supply:	DC3.86V by li-ion battery(5150mAh) Battery M/N:NT05A Battery Manufacturer: Shenzhen Sunwoda Intelligence Technology Co.,Ltd. Recharged by AC/DC power adapter Adapter M/N:C286 Adapter Manufacturer: NOTHING Adapter Input:AC100-240V, 50/60Hz, 1.7A Adapter Output: USB C1/C2: DC5V/3A, 9V/3A, 12V/3A, 15V/3A, 20V/3.25A(65W max) USB A:DC5V/3A, 9V/3A, 12V/3A C1+C2:45W+20W C1+A:45W+18W C2+A:share 15W C1+C2+A:45W+15W
Cable(s):	USB Type C to C cable: 1m shielded cable without ferrite core
Cable Loss (for RF conducted test):	1.5dB
Operation Frequency/Number of channels (20MHz):	U-NII-5: 5955-6415MHz (24 Channels)
Operation Frequency/Number of channels/(40MHz):	U-NII-5: 5965-6405MHz (12 Channels)
Operation Frequency/Number of channels (80MHz):	U-NII-5: 5985-6385MHz (6 Channels)
Operation Frequency/Number of channels (160MHz):	U-NII-5: 6025-6345MHz (3 Channels)
Operation Frequency/Number of channels (320MHz):	U-NII-5: 6105-6265MHz (2 Channels)
Modulation Type:	802.11a: OFDM (BPSK, QPSK, 16QAM) 802.11ax: OFDMA (BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM); 802.11be: OFDMA (BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM, 4096QAM)
Channel Spacing:	802.11 a/ax/be 20: 20MHz; 802.11 ax/be 40: 40MHz; 802.11 ax/be 80: 80MHz 802.11 ax/be 160: 160MHz



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SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250300088107

Page: 7 of 579

	802.11 be 320: 160MHz
Antenna Type:	Metal frame Antenna
Antenna Gain:	Ant6: -1.56dBi; ant5: -0.65dBi
Equipment Class:	6XD

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.
--	--	--	--
The EUT has been tested as an independent unit.			

## 4.3 Measurement Uncertainty

Test Item	Measurement Uncertainty
Conducted Emissions at AC Power Line (150kHz-30MHz)	± 3.1dB
Maximum Conducted output power	± 0.75dB
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	± 2.84dB
Duty Cycle	± 0.37%
99% Bandwidth	± 3%
26dB Emission bandwidth	± 3%
Peak Power spectrum density	± 2.84dB
Frequency Stability	± 7.25 x 10-8



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Report No.: SZCR250300088107

Page: 8 of 579

## 4.4 Test Location

All tests were performed at:

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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



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## 5 Equipment List

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

Radiated Emissions (Below 1GHz)					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
Loop Antenna	ETS-Lindgren	6502	SEM003-08	2023-11-20	2025-11-19
3m Semi-Anechoic Chamber	ETS-LINDGREN	N/A	SEM001-01	2023-06-19	2026-06-18
MXE EMI Receiver	Agilent Technologies	N9038A	SEM004-15	2024-08-14	2025-08-13
BiConiLog Antenna	ETS-LINDGREN	3142C	SEM003-01	2023-09-16	2025-09-15
Pre-Amplifier	Agilent Technologies	8447D	SEM005-01	2025-03-04	2026-03-03
Measurement Software	AUDIX	e3 V8.2014-6-27	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM025-01	2024-07-06	2025-07-05

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



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SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250300088107

Page: 10 of 579

			063		
Humidity and Temperature Indicator	deli	8838	SEM002-46	2024-07-24	2025-07-23

## Radiated Emissions which fall in the restricted bands

Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
Signal & Spectrum Analyzer	Rohde & Schwarz	FSV	SZ-WRG-M-048	2025-01-07	2026-01-06
Low Noise Amplifier 30M-8GHz	Tonscend	TAP30M8G30	SZ-WRG-M-050	2025-01-07	2026-01-06
Double Ridge Horn Antenna 1GHz-18GHz	SCHWARZBECK	BBHA 9120 D	SZ-WRG-M-055	2023-12-21	2025-12-20
SHF-EHF Horn 15GHz-40GHz	SCHWARZBECK	BBHA 9170	SZ-WRG-M-056	2023-12-25	2025-12-24
RSE Test Software	AUDIX	e3 V8.2014-6-27	N/A	N/A	N/A
Chamber	CRTSGSSAC966	N/A	SZ-WRG-C-063	2025-01-06	2028-01-05
Humidity and Temperature Indicator	deli	8838	SEM002-46	2024-07-24	2025-07-23

## RF Conducted Test

Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
DC Power Supply	Chroma	62012P-80-60	SEM011-11	2024-08-14	2025-08-13
MXA Signal Analyzer	KEYSIGHT	N9020A	SEM004-21	2025-03-04	2026-03-03
Signal Generator	KEYSIGHT	N5173B	SEM006-05	2024-09-14	2025-09-13
Measurement Software	TST PASS	TST PASS V2.0	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM031-01	2024-07-06	2025-07-05
Attenuator	Huber+Suhner	6620_SMA-50-1	SEM021-09	2025-03-03	2026-03-02
Programmable Temperature & Humidity Chamber	Votsch Industrietechnik GmbH	VT 4002	SEM002-15	2025-02-26	2026-02-25
Shielding Room	AUDIX	N/A	SEM001-08	2022-05-14	2025-05-13
EXA Signal Analyzer	KEYSIGHT	N9010A	SEM004-09	2025-03-03	2026-03-02
ESG Vector Signal Generator	KEYSIGHT	E4438C	SEM006-15	2024-08-15	2025-08-14
DC Power Supply	KEYSIGHT	E3642A	SEM011-07	2025-02-26	2026-02-25
Manual Step Attenuator	KEYSIGHT	8494B	SEM021-05	2025-03-03	2026-03-02
Manual Step Attenuator	KEYSIGHT	8496B	SEM021-06	2025-03-03	2026-03-02
Power Sensor	TST PASS	TSPS2023R	SEM009-26	2025-03-04	2026-03-03
Power Sensor	TST PASS	TSPS2023R	SEM009-27	2025-03-04	2026-03-03

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SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250300088107

Page: 11 of 579

Power Sensor	TST PASS	TSPS2023R	SEM009-28	2025-03-04	2026-03-03
Power Sensor	TST PASS	TSPS2023R	SEM009-29	2025-03-04	2026-03-03
Programmable Temperature&Humidity Chamber	Votsch Industrietechnik GmbH	VT 4002	SEM002-15	2025-02-26	2026-02-25
Universal Radio Communication Tester	Rohde&Schwarz	CMW500	SEM010-08	2025-03-04	2026-03-03
Measurement Software	TST PASS	TST PASS V2.0	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM028-01	2024-07-06	2025-07-05

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



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## 6 Radio Spectrum Technical Requirement

### 6.1 Antenna Requirement

#### 6.1.1 Test Requirement:

47 CFR Part 15, Subpart C 15.203

#### 6.1.2 Conclusion

15.203 requirement:

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

EUT Antenna:

The antenna is Metal frame Antenna and no consideration of replacement.

The best case gain of the antenna is

Ant6: -1.56dBi; ant5: -0.65dBi, directional gain: 2.36dBi\*

*\*Note:*

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

*Remark:*

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





## 7 Radio Spectrum Matter Test Results

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

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

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

Limit:

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

\*Decreases with the logarithm of the frequency.

#### 7.1.1 E.U.T. Operation

Operating Environment:

Temperature: 22.5 °C

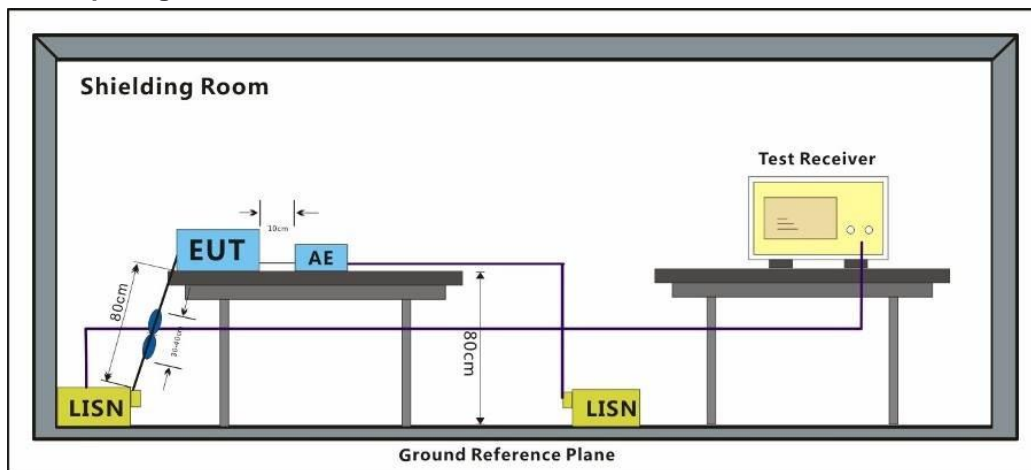
Humidity: 44.5 % RH

Atmospheric Pressure: 1020 mbar

#### 7.1.2 Test Mode Description

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

#### 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.



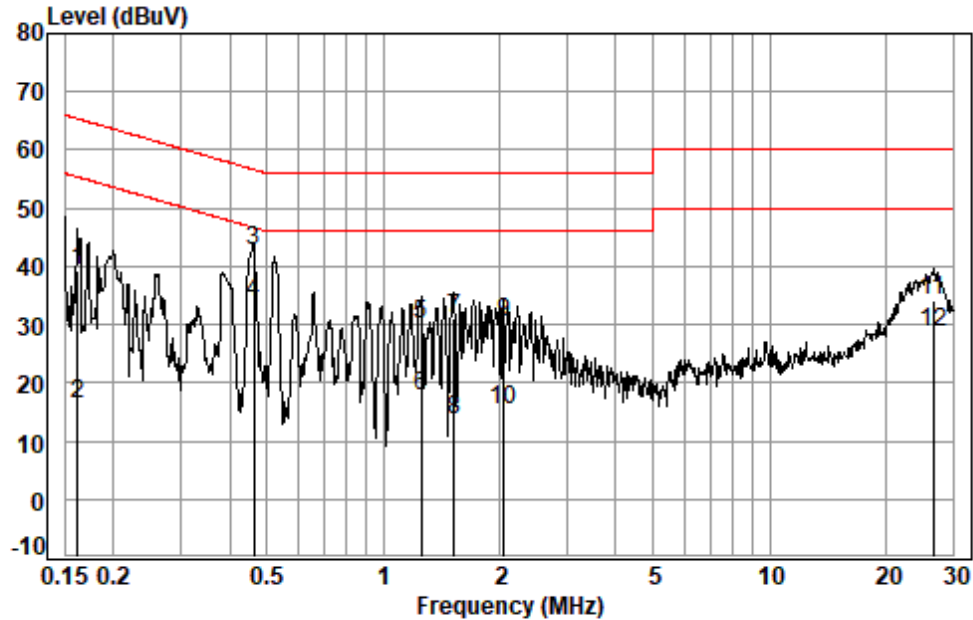
## SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250300088107

Page: 15 of 579

Test Mode: 10; Line: Live line



Site : Shielding Room  
Condition: Line  
Job No. : 00881WM  
Test mode: 10

	Freq	Cable Loss	LISN Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB	dBuV	dBuV	dBuV	dB	
1	0.1615	0.06	10.18	29.11	39.35	65.38	-26.03	QP
2	0.1615	0.06	10.18	5.94	16.18	55.38	-39.20	Average
3 *	0.4612	0.08	9.59	33.16	42.83	56.67	-13.84	QP
4 *	0.4612	0.08	9.59	24.22	33.89	46.67	-12.78	Average
5	1.2555	0.09	9.58	20.34	30.01	56.00	-25.99	QP
6	1.2555	0.09	9.58	7.94	17.61	46.00	-28.39	Average
7	1.5274	0.10	9.58	21.50	31.18	56.00	-24.82	QP
8	1.5274	0.10	9.58	3.77	13.45	46.00	-32.55	Average
9	2.0549	0.10	9.58	20.80	30.48	56.00	-25.52	QP
10	2.0549	0.10	9.58	5.56	15.24	46.00	-30.76	Average
11	26.5581	0.35	10.38	23.58	34.31	60.00	-25.69	QP
12	26.5581	0.35	10.38	17.97	28.70	50.00	-21.30	Average

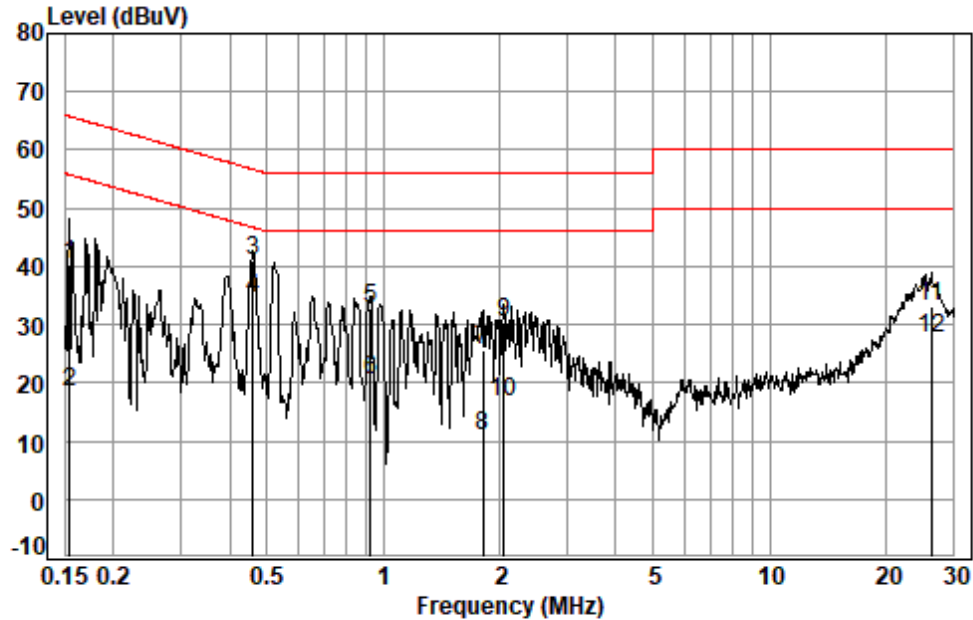


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Test Mode: 10; Line: Neutral Line



Site : Shielding Room  
Condition: Neutral  
Job No. : 00881WM  
Test mode: 10

	Freq	Cable Loss	LISN Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB	dBuV	dBuV	dBuV	dB	
1	0.1540	0.06	10.14	30.26	40.46	65.78	-25.32	QP
2	0.1540	0.06	10.14	8.10	18.30	55.78	-37.48	Average
3 *	0.4588	0.08	9.72	31.32	41.12	56.71	-15.59	QP
4 *	0.4588	0.08	9.72	24.54	34.34	46.71	-12.37	Average
5	0.9282	0.09	9.56	23.09	32.74	56.00	-23.26	QP
6	0.9282	0.09	9.56	10.80	20.45	46.00	-25.55	Average
7	1.8096	0.10	9.55	15.78	25.43	56.00	-30.57	QP
8	1.8096	0.10	9.55	1.37	11.02	46.00	-34.98	Average
9	2.0549	0.10	9.55	20.79	30.44	56.00	-25.56	QP
10	2.0549	0.10	9.55	6.88	16.53	46.00	-29.47	Average
11	26.2782	0.35	10.50	22.25	33.10	60.00	-26.90	QP
12	26.2782	0.35	10.50	16.95	27.80	50.00	-22.20	Average



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## 7.2 Maximum Conducted output power

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

Test Method: ANSI C63.10 (2013) Section 12.3

Limit:

Device Type	Frequency Range (MHz)	EIRP Limit (dBm)	EIRP PSD Limit(dBm/MHz)
LPI AP/Subordinate	5925-7125	$\leq 30$	$\leq 5$
LP Client Device	5925-7125	$\leq 24$	$\leq -1$
Standard Power AP And Fixed Client Devices	5925-6875	$\leq 36$ (21dBm for elevation angle greater than 30 degrees above the horizon)	$\leq 23$
Standard Client Devices	5925-6875	$\leq 30$	$\leq 17$
Very low-power devices	5925-7125	$\leq 14$	$\leq -5$ shall implement transmitter power control in order to have the capability to operate at least 6 dB lower than the maximum e.i.r.p. spectral density limit.

### 7.2.1 E.U.T. Operation

Operating Environment:

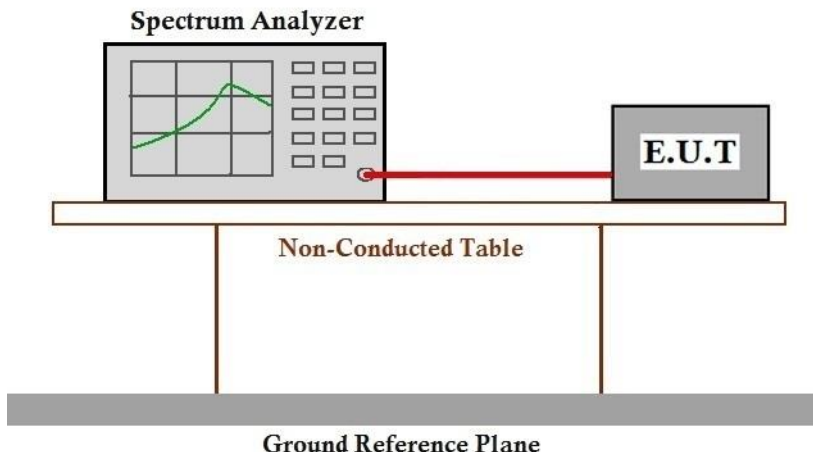
Temperature: 24.3 °C Humidity: 44.8 % RH Atmospheric Pressure: 1020 mbar

### 7.2.2 Test Mode Description

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



### 7.2.3 Test Setup Diagram



### 7.2.4 Measurement Procedure and Data

Please Refer to Appendix for Details

### 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 (2013) Section 6.4,6.5

Measurement Distance: 3m

Limit:

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

#### 7.3.1 E.U.T. Operation

Operating Environment:

Temperature: 23.5 °C

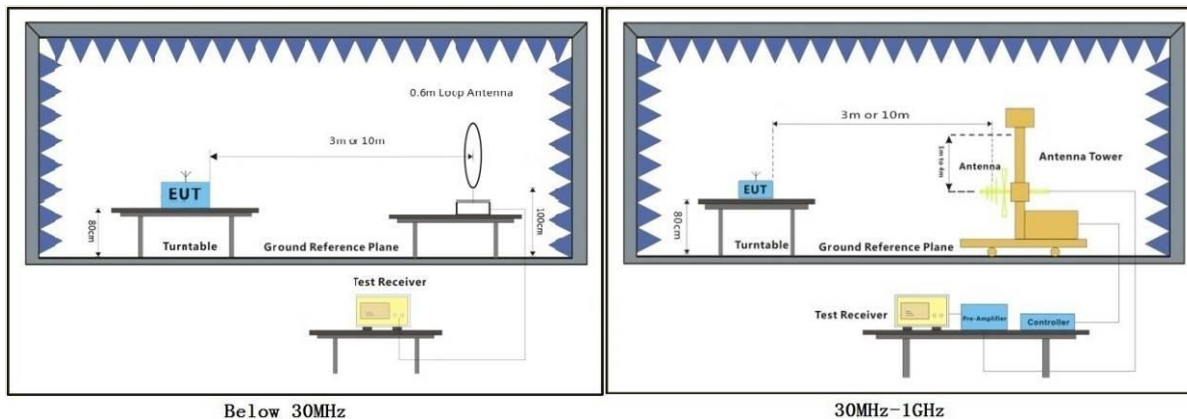
Humidity: 46.8 % RH

Atmospheric Pressure: 1020 mbar

#### 7.3.2 Test Mode Description

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

#### 7.3.3 Test Setup Diagram



## 7.3.4 Measurement Procedure and Data

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

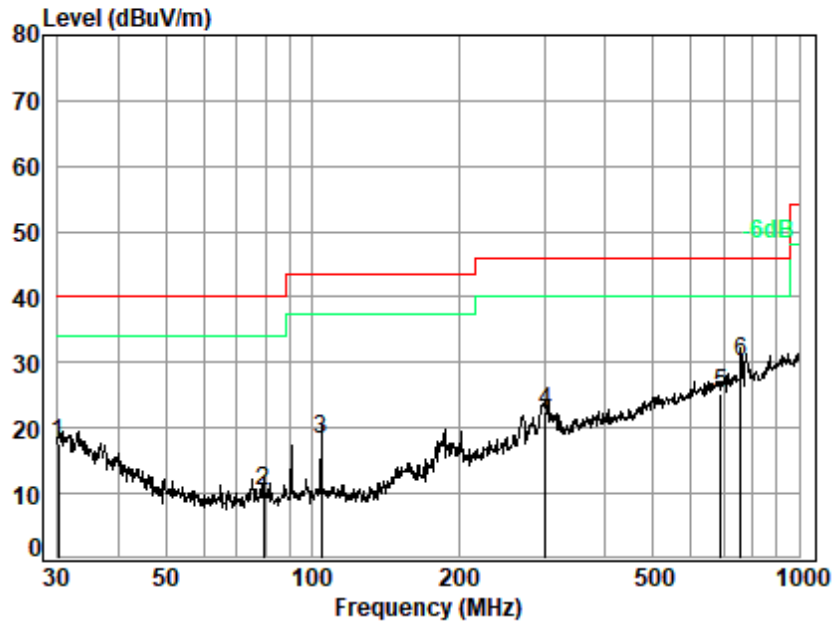
Remark:

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





Test Mode: 10; Polarity: Horizontal



Site : chamber

Condition: 3m HORIZONTAL

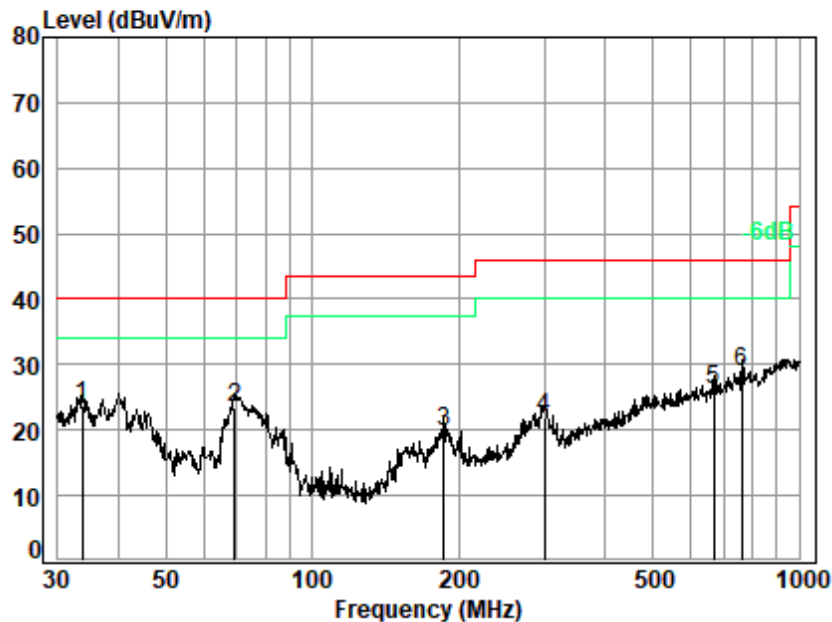
Job No. : 00881WM/00882WM

Test Mode: 10

	Ant	Cable	Preamp	Read		Limit	Over	
	Freq	Factor	Loss	Factor	Level	Level	Line	Limit Remark
	MHz	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB
1	30.105	21.15	0.67	27.79	23.58	17.61	40.00	-22.39 QP
2	79.243	10.42	1.09	27.65	26.55	10.41	40.00	-29.59 QP
3	104.170	12.22	1.25	27.57	32.39	18.29	43.50	-25.21 QP
4	301.422	18.13	2.21	26.76	28.79	22.37	46.00	-23.63 QP
5	691.987	25.74	3.52	27.74	23.70	25.22	46.00	-20.78 QP
6 q	758.041	26.48	3.73	27.58	27.50	30.13	46.00	-15.87 QP



Test Mode: 10; Polarity: Vertical



Site : chamber

Condition: 3m VERTICAL

Job No. : 00881WM/00882WM

Test Mode: 10

		Ant	Cable	Preamp	Read	Limit	Over	
	Freq	Factor	Loss	Factor	Level	Line	Limit	Remark
	MHz	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB
1	q	33.680	19.57	0.71	27.78	31.11	23.61	40.00 -16.39 QP
2		69.357	10.64	1.02	27.68	39.47	23.45	40.00 -16.55 QP
3		186.441	14.30	1.71	27.23	31.02	19.80	43.50 -23.70 QP
4		300.367	18.05	2.20	26.75	28.25	21.75	46.00 -24.25 QP
5		668.142	25.49	3.45	27.80	25.09	26.23	46.00 -19.77 QP
6		763.376	26.52	3.75	27.57	26.13	28.83	46.00 -17.17 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 (2013) Section 6.6

Measurement Distance: 3m

Limit:

Frequency(MHz)	Field strength(microvolts/meter)	Measurement distance(meters)
Above 1GHz	500	3
<p>a. any emission outside the 5925-7125 MHz frequency band shall not exceed -27 dBm/MHz e.i.r.p. spectral density</p> <p>b. the e.i.r.p. spectral density of unwanted emissions falling into the 5925-7125 MHz frequency band shall be attenuated below the reference spectral density by:</p> <p>i. 20dB at 1MHz away from the channel edges.</p> <p>ii. a value, linearly interpolated in a dB scale, between 20 dB and 28 dB at frequencies between 1MHz outside of channel edges and 1 channel bandwidth away from the operating channel center, respectively</p> <p>iii. 28dB at 1 channel bandwidth away from the operating channel center</p> <p>iv. a value, linearly interpolated in a dB scale, between 28 dB and 40 dB at frequencies between 1 channel bandwidth away from the operating channel center and 1.5 times the channel bandwidth away from the operating channel center, respectively</p> <p>v. 40dB at 1.5 times the channel bandwidth away from the operating channel center</p> <p>vi. a minimum of 40 dB at frequencies that are further away than 1.5 times the channel bandwidth from the operating channel center.</p>		

#### 7.4.1 E.U.T. Operation

Operating Environment:

Temperature: 24.5 °C

Humidity: 50.4 % RH

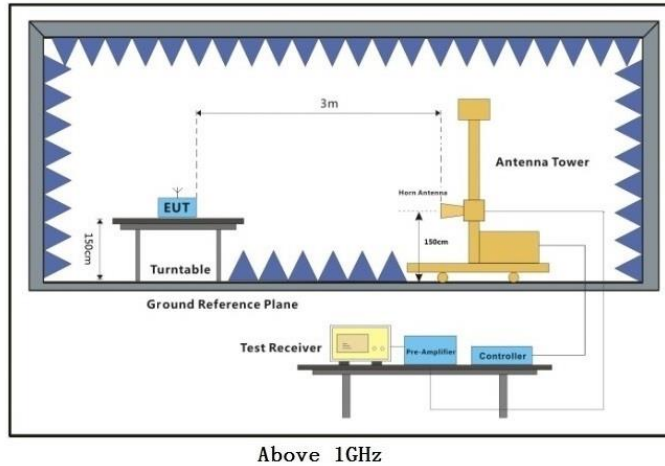
Atmospheric Pressure: 1020 mbar

#### 7.4.2 Test Mode Description

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



### 7.4.3 Test Setup Diagram





## 7.4.4 Measurement Procedure and Data

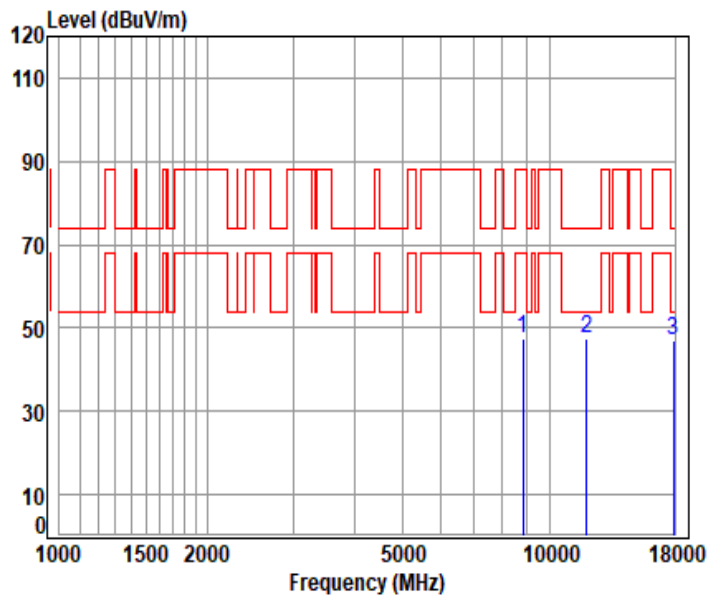
- a. For above 1GHz, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter fully-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which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

Remark:

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



11a\_TX\_CH\_001\_Horizontal



Condition: 3m HORIZONTAL

Job No : 00881WM/00882WM

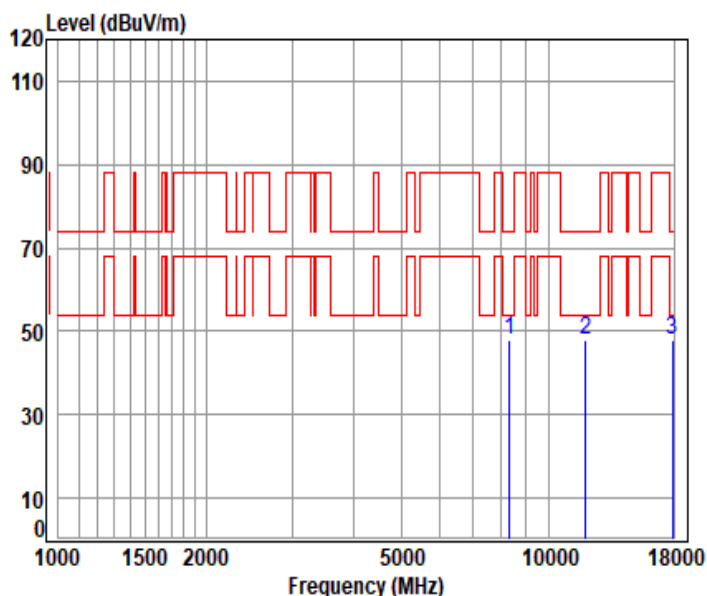
Mode : 5955 TX RSE

: Wi-Fi 6E 11a

		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	8817.630	12.48	38.50	55.16	51.72	47.54	88.20	-40.66 peak
2	pp11910.000	14.62	39.71	53.77	46.86	47.42	74.00	-26.58 peak
3	17865.000	19.21	42.89	54.47	39.48	47.11	74.00	-26.89 peak



11a\_TX\_CH\_001\_Vertical



Condition: 3m VERTICAL

Job No : 00881WM/00882WM

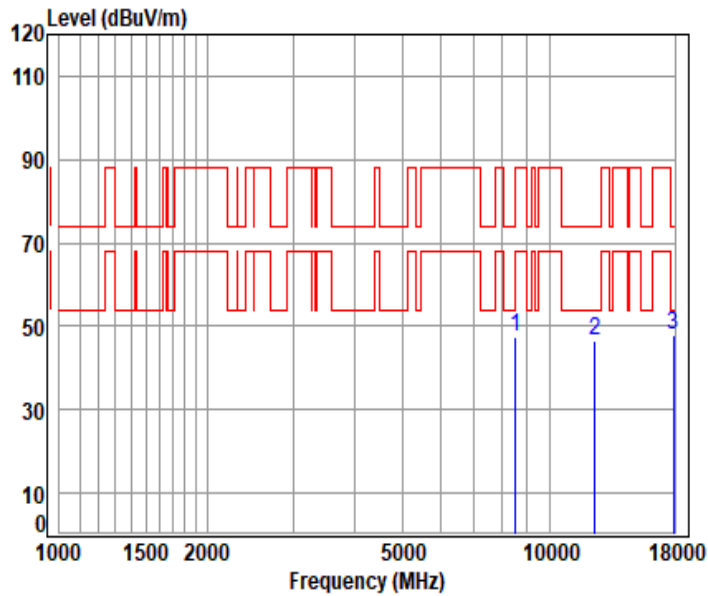
Mode : 5955 TX RSE

: Wi-Fi 6E 11a

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	8331.038	11.98	38.40	55.60	53.16	47.94	74.00	-26.06	peak
2	11910.000	14.62	39.71	53.77	47.30	47.86	74.00	-26.14	peak
3	pp17865.000	19.21	42.89	54.47	40.32	47.95	74.00	-26.05	peak



11a\_TX\_CH\_045\_Horizontal



Condition: 3m HORIZONTAL

Job No : 00881WM/00882WM

Mode : 6175 TX RSE

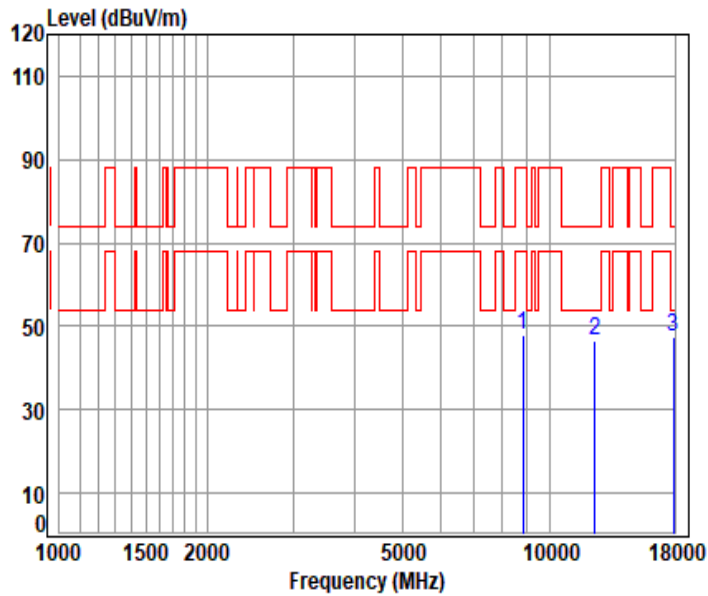
: Wi-Fi 6E 11a

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	8522.367	12.66	38.30	55.43	51.89	47.42	88.20	-40.78	peak
2	12350.000	14.81	39.85	54.04	45.79	46.41	74.00	-27.59	peak
3	pp17869.110	19.22	42.91	54.47	40.23	47.89	74.00	-26.11	peak





11a\_TX\_CH\_045\_Vertical



Condition: 3m VERTICAL

Job No : 00881WM/00882WM

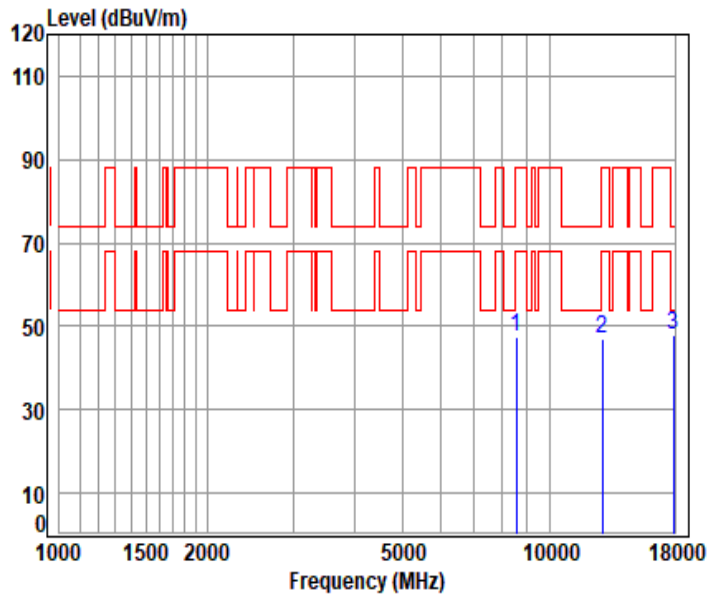
Mode : 6175 TX RSE

: Wi-Fi 6E 11a

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	8831.943	12.50	38.50	55.15	52.26	48.11	88.20	-40.09	peak
2	12350.000	14.81	39.85	54.04	45.96	46.58	74.00	-27.42	peak
3	pp17869.110	19.22	42.91	54.47	39.85	47.51	74.00	-26.49	peak



11a\_TX\_CH\_093\_Horizontal



Condition: 3m HORIZONTAL

Job No : 00881WM/00882WM

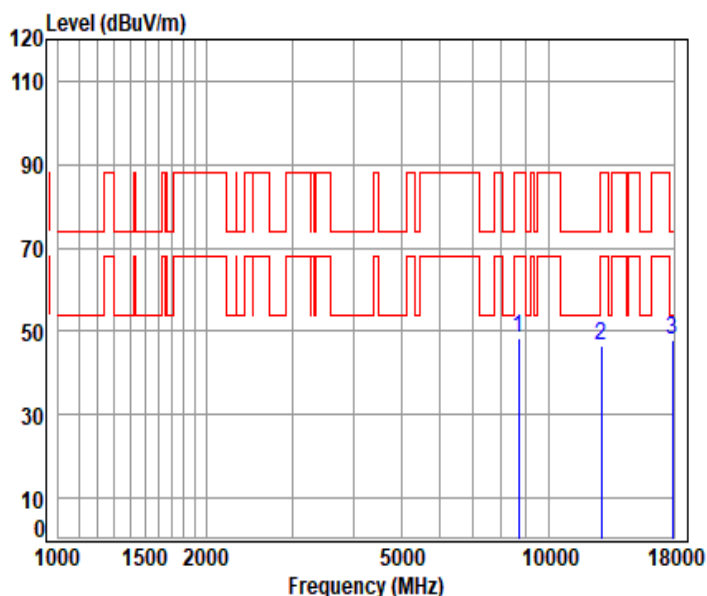
Mode : 6415 TX RSE

: Wi-Fi 6E 11a

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	8556.992	12.52	38.33	55.40	52.02	47.47	88.20	-40.73	peak
2	12830.000	15.28	40.33	54.38	45.73	46.96	88.20	-41.24	peak
3	pp17869.110	19.22	42.91	54.47	40.26	47.92	74.00	-26.08	peak



11a\_TX\_CH\_093\_Vertical



Condition: 3m VERTICAL

Job No : 00881WM/00882WM

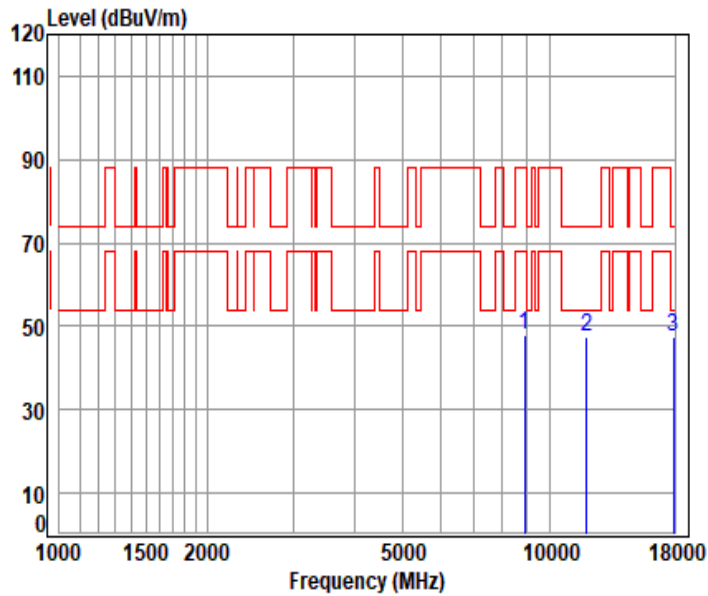
Mode : 6415 TX RSE

: Wi-Fi 6E 11a

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	8696.906	12.45	38.59	55.27	52.71	48.48	88.20	-39.72	peak
2	12830.000	15.28	40.33	54.38	45.52	46.75	88.20	-41.45	peak
3	pp17869.110	19.22	42.91	54.47	40.31	47.97	74.00	-26.03	peak



11be\_20M\_TX\_CH\_001\_Horizontal



Condition: 3m HORIZONTAL

Job No : 00881WM/00882WM

Mode : 5955 TX RSE

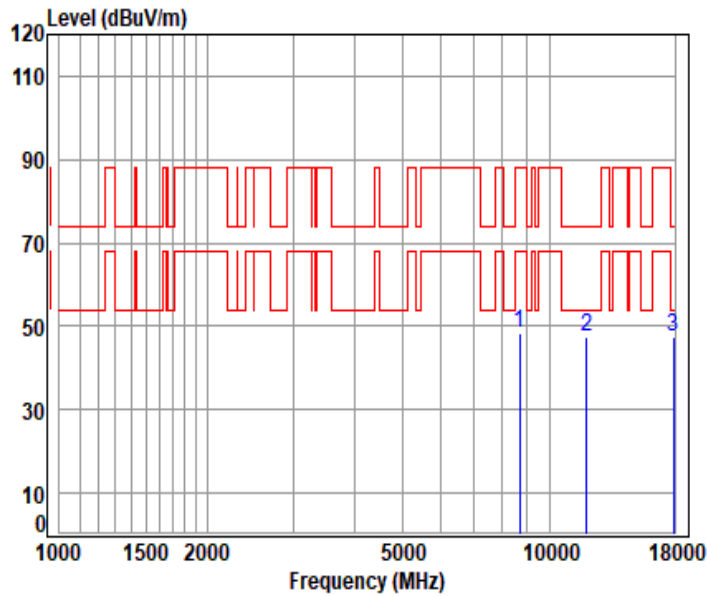
: Wi-Fi 6E 11be20

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	8882.220	12.57	38.56	55.11	51.88	47.90	88.20	-40.30	peak
2	11910.000	14.62	39.71	53.77	46.73	47.29	74.00	-26.71	peak
3	pp17865.000	19.21	42.89	54.47	39.86	47.49	74.00	-26.51	peak





11be\_20M\_TX\_CH\_001\_Vertical



Condition: 3m VERTICAL

Job No : 00881WM/00882WM

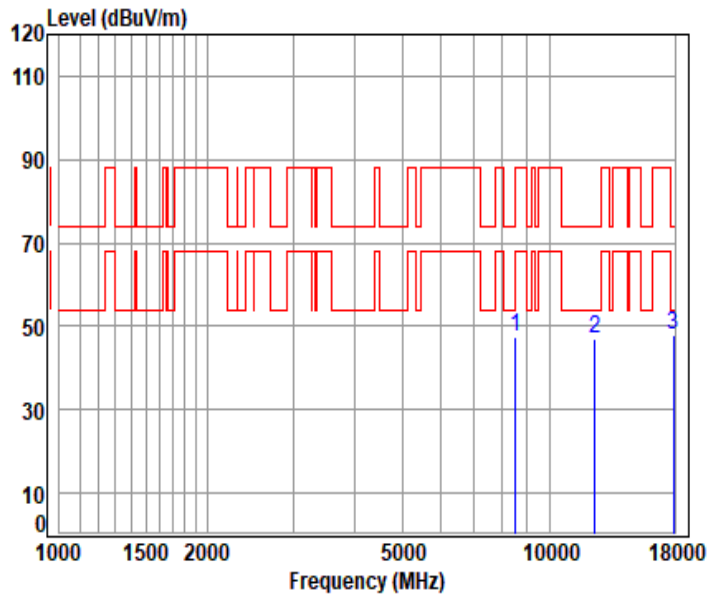
Mode : 5955 TX RSE

: Wi-Fi 6E 11be20

	Cable	Ant	Preamp	Read		Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
8682.813	12.43	38.53	55.29	52.51	48.18	88.20	-40.02	peak
11910.000	14.62	39.71	53.77	46.87	47.43	74.00	-26.57	peak
17865.000	19.21	42.89	54.47	40.00	47.63	74.00	-26.37	peak



11be\_20M\_TX\_CH\_045\_Horizontal



Condition: 3m HORIZONTAL

Job No : 00881WM/00882WM

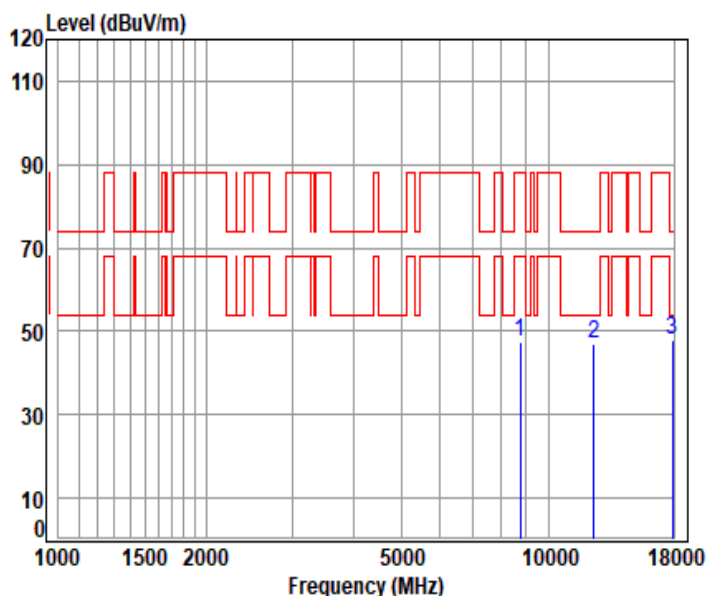
Mode : 6175 TX RSE

: Wi-Fi 6E 11be20

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	8508.556	12.71	38.30	55.44	51.89	47.46	88.20	-40.74	peak
2	12350.000	14.81	39.85	54.04	46.17	46.79	74.00	-27.21	peak
3	pp17869.110	19.22	42.91	54.47	40.06	47.72	74.00	-26.28	peak



11be\_20M\_TX\_CH\_045\_Vertical



Condition: 3m VERTICAL

Job No : 00881WM/00882WM

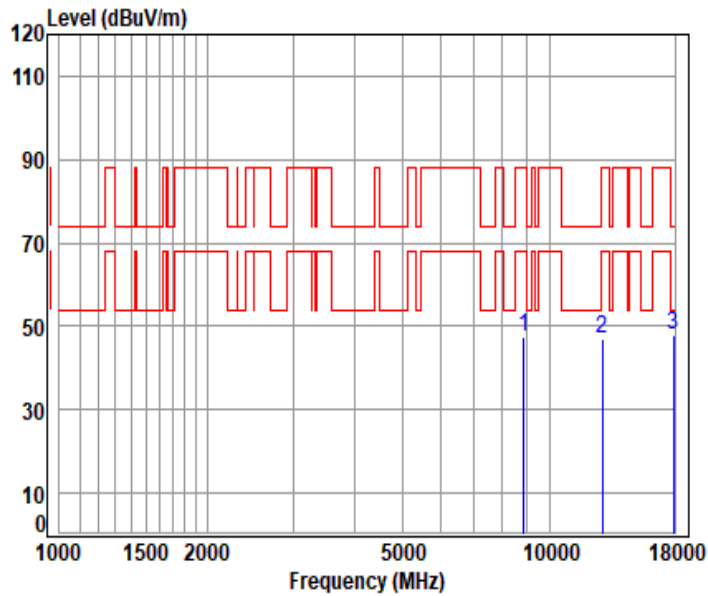
Mode : 6175 TX RSE

: Wi-Fi 6E 11be20

	Cable	Ant	Preamp	Read		Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
8767.719	12.45	38.50	55.21	51.86	47.60	88.20	-40.60	peak
12350.000	14.81	39.85	54.04	46.34	46.96	74.00	-27.04	peak
17869.110	19.22	42.91	54.47	40.23	47.89	74.00	-26.11	peak



11be\_20M\_TX\_CH\_093\_Horizontal



Condition: 3m HORIZONTAL

Job No : 00881WM/00882WM

Mode : 6415 TX RSE

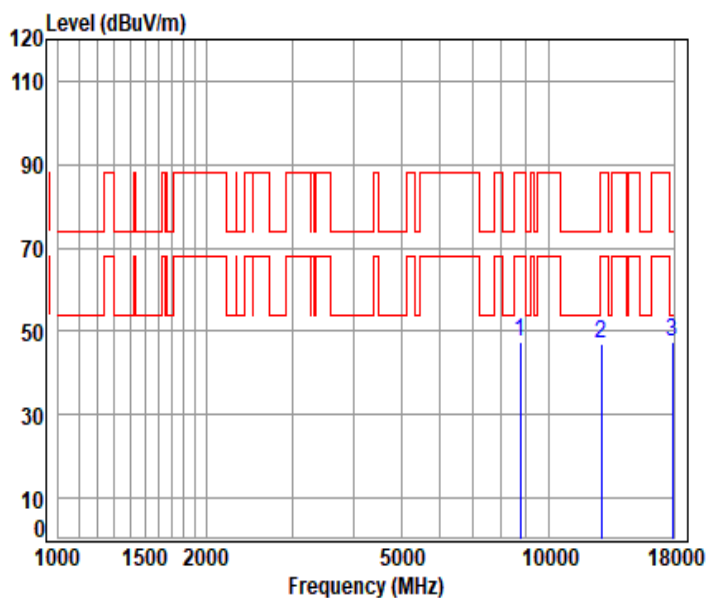
: Wi-Fi 6E 11be20

	Cable	Ant	Preamp	Read		Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
8867.826	12.55	38.54	55.12	51.49	47.46	88.20	-40.74	peak
12830.000	15.28	40.33	54.38	45.80	47.03	88.20	-41.17	peak
17869.110	19.22	42.91	54.47	40.04	47.70	74.00	-26.30	peak





11be\_20M\_TX\_CH\_093\_Vertical



Condition: 3m VERTICAL

Job No : 00881WM/00882WM

Mode : 6415 TX RSE

: Wi-Fi 6E 11be20

	Cable	Ant	Preamp	Read		Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
8739.325	12.45	38.52	55.23	51.61	47.35	88.20	-40.85	peak
12830.000	15.28	40.33	54.38	45.79	47.02	88.20	-41.18	peak
17869.110	19.22	42.91	54.47	39.97	47.63	74.00	-26.37	peak



### 7.5 Radiated Emissions which fall in the restricted bands

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

Test Method: ANSI C63.10 (2013) Section 6.10.5

Measurement Distance: 3m

Limit:

Frequency(MHz)	Field strength(microvolts/meter)	Measurement distance(meters)
Above 1GHz	500	3
<p>c. any emission outside the 5925-7125 MHz frequency band shall not exceed -27 dBm/MHz e.i.r.p. spectral density</p> <p>d. the e.i.r.p. spectral density of unwanted emissions falling into the 5925-7125 MHz frequency band shall be attenuated below the reference spectral density by:</p> <p>vii. 20dB at 1MHz away from the channel edges.</p> <p>viii. a value, linearly interpolated in a dB scale, between 20 dB and 28 dB at frequencies between 1MHz outside of channel edges and 1 channel bandwidth away from the operating channel center, respectively</p> <p>ix. 28dB at 1 channel bandwidth away from the operating channel center</p> <p>x. a value, linearly interpolated in a dB scale, between 28 dB and 40 dB at frequencies between 1 channel bandwidth away from the operating channel center and 1.5 times the channel bandwidth away from the operating channel center, respectively</p> <p>xi. 40dB at 1.5 times the channel bandwidth away from the operating channel center</p> <p>xii. a minimum of 40 dB at frequencies that are further away than 1.5 times the channel bandwidth from the operating channel center.</p>		

#### 7.5.1 E.U.T. Operation

Operating Environment:

Temperature: 24.6 °C

Humidity: 50.8 % RH

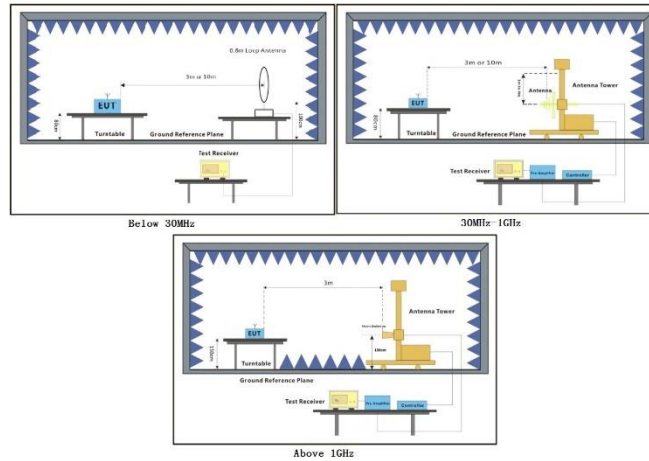
Atmospheric Pressure: 1020 mbar

#### 7.5.2 Test Mode Description

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



### 7.5.3 Test Setup Diagram



## 7.5.4 Measurement Procedure and Data

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

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

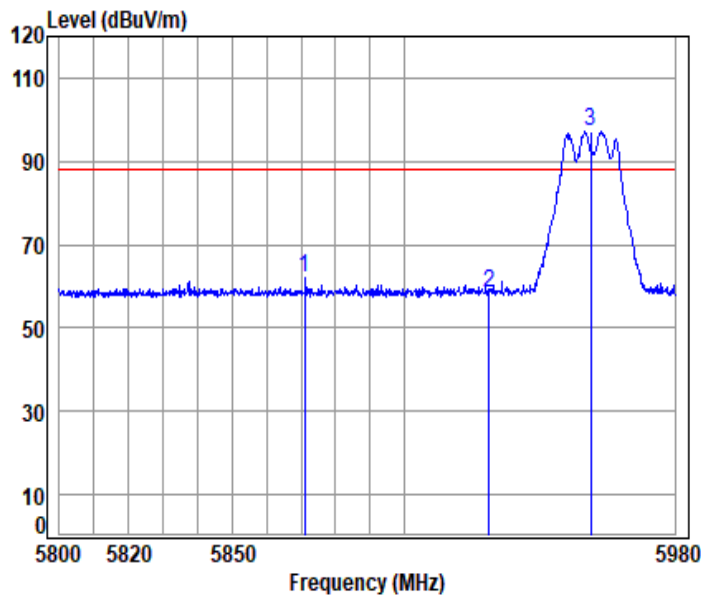
Remark 2. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is 3MHz for Peak detection (PK) and Average detection (AV) at frequency above 1GHz.

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





11a\_TX\_CH\_001\_Horizontal-Peak



Condition: 3m HORIZONTAL

Job No : 00881WM/00882WM

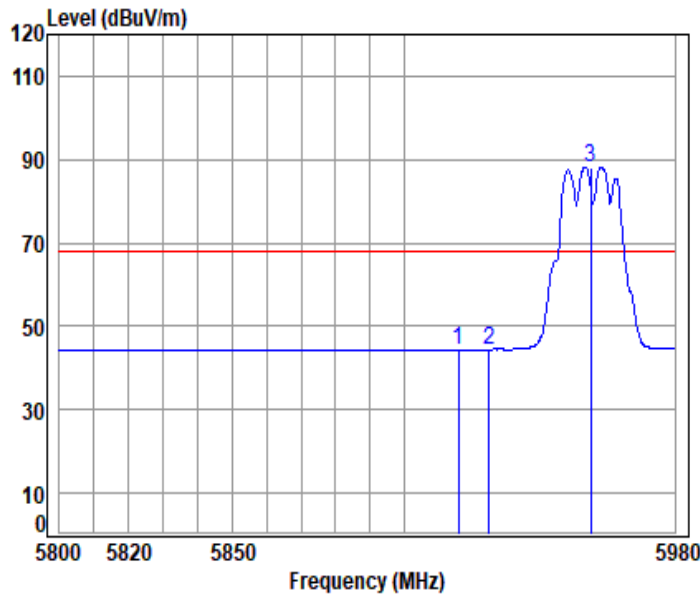
Mode : 5955 Band edge

: Wi-Fi 6E 11a

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5871.161	10.93	33.56	30.55	48.16	62.10	88.20	-26.10	peak
2	5925.000	10.87	33.55	30.53	44.33	58.22	88.20	-29.98	peak
3 pp	5955.000	10.85	33.62	30.52	83.20	97.15	88.20	8.95	peak



11a\_TX\_CH\_001\_Horizontal-Avg



Condition: 3m HORIZONTAL

Job No : 00881WM/00882WM

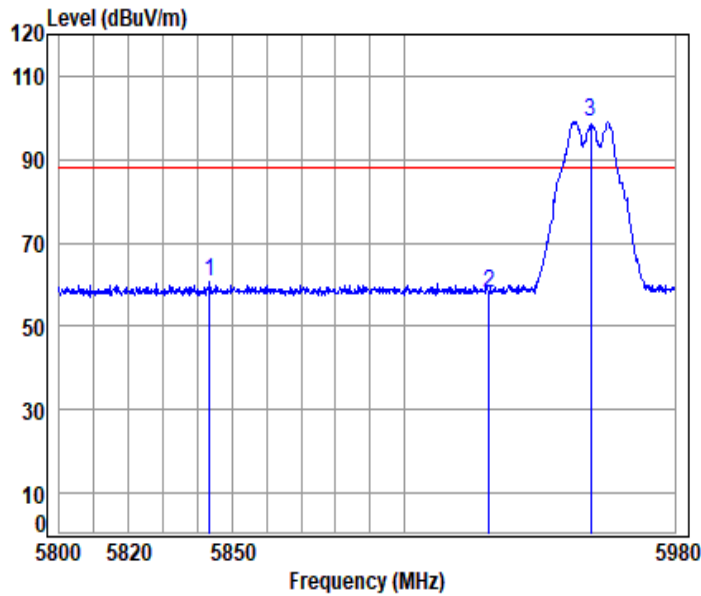
Mode : 5955 Band edge

: Wi-Fi 6E 11a

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5916.012	10.88	33.53	30.53	30.60	44.48	68.20	-23.72	Average
2	5925.000	10.87	33.55	30.53	30.54	44.43	68.20	-23.77	Average
3 pp	5955.000	10.85	33.62	30.52	74.25	88.20	68.20	20.00	Average



11a\_TX\_CH\_001\_Vertical-Peak



Condition: 3m VERTICAL

Job No : 00881WM/00882WM

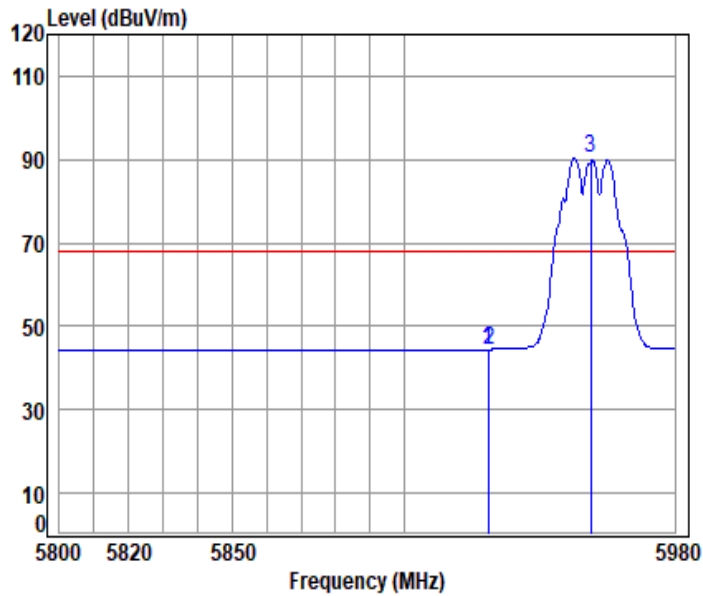
Mode : 5955 Band edge

: Wi-Fi 6E 11a

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5843.414	10.96	33.57	30.56	46.59	60.56	88.20	-27.64	peak
2	5925.000	10.87	33.55	30.53	44.19	58.08	88.20	-30.12	peak
3 pp	5955.000	10.85	33.62	30.52	85.21	99.16	88.20	10.96	peak



11a\_TX\_CH\_001\_Vertical-Avg



Condition: 3m VERTICAL

Job No : 00881WM/00882WM

Mode : 5955 Band edge

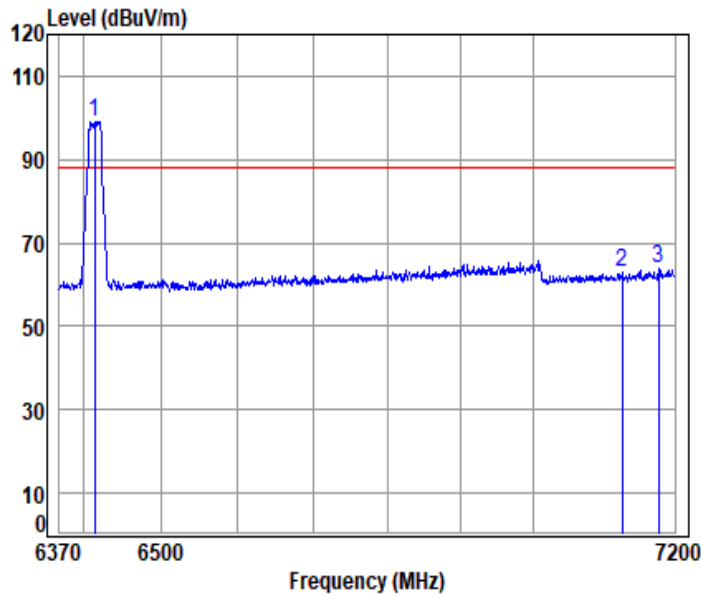
: Wi-Fi 6E 11a

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5924.878	10.87	33.55	30.53	30.59	44.48	68.20	-23.72	Average
2	5925.000	10.87	33.55	30.53	30.59	44.48	68.20	-23.72	Average
3 pp	5955.000	10.85	33.62	30.52	76.35	90.30	68.20	22.10	Average





11a\_TX\_CH\_093\_Horizontal-Peak



Condition: 3m HORIZONTAL

Job No : 00881WM/00882WM

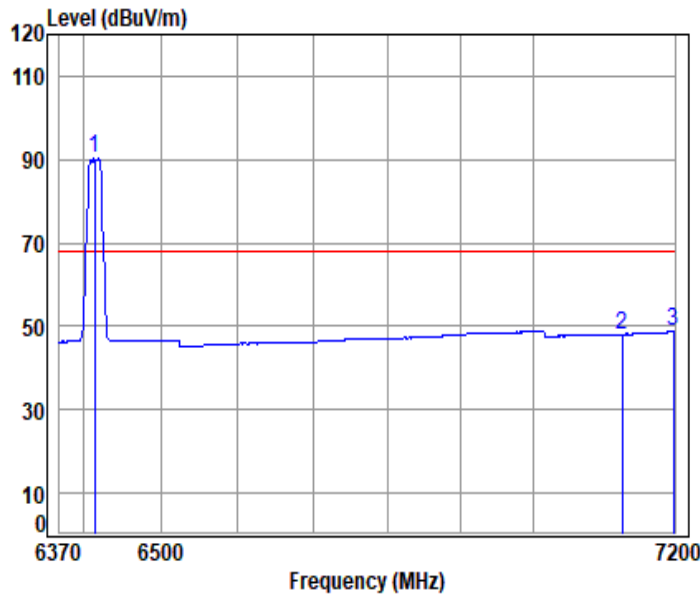
Mode : 6415 Band edge

: Wi-Fi 6E 11a

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	pp 6415.000	11.00	34.80	30.79	84.16	99.17	88.20	10.97	peak
2	7125.000	11.82	36.45	31.26	46.16	63.17	88.20	-25.03	peak
3	7177.108	11.87	36.55	31.29	46.76	63.89	88.20	-24.31	peak



11a\_TX\_CH\_093\_Horizontal-Avg



Condition: 3m HORIZONTAL

Job No : 00881WM/00882WM

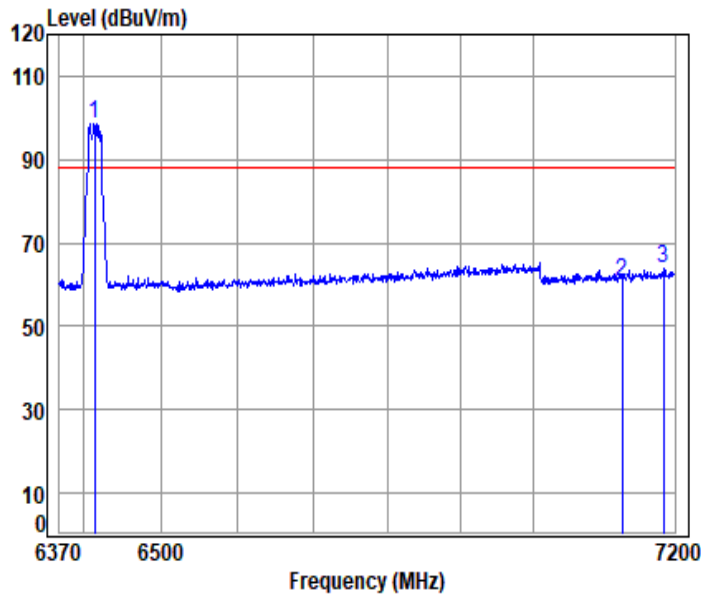
Mode : 6415 Band edge

: Wi-Fi 6E 11a

		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	pp 6415.000	11.00	34.80	30.79	75.21	90.22	68.20	22.02 Average
2	7125.000	11.82	36.45	31.26	30.99	48.00	68.20	-20.20 Average
3	7198.236	11.89	36.60	31.30	31.56	48.75	68.20	-19.45 Average



11a\_TX\_CH\_093\_Vertical-Peak



Condition: 3m VERTICAL

Job No : 00881WM/00882WM

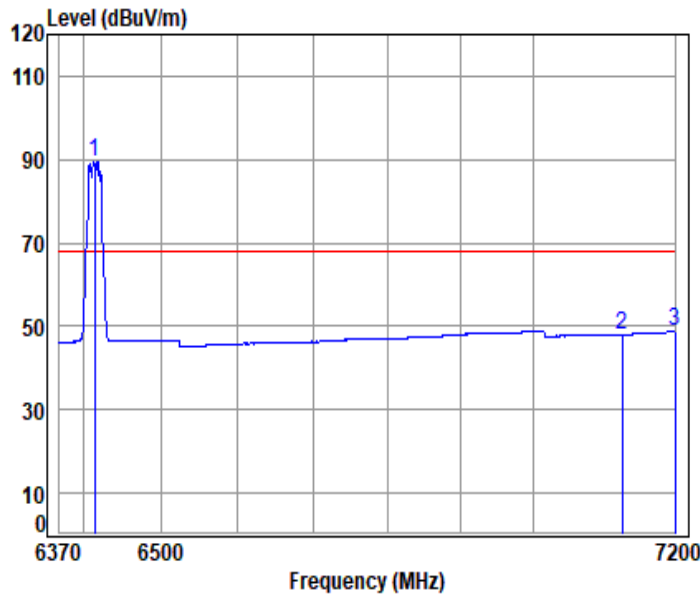
Mode : 6415 Band edge

: Wi-Fi 6E 11a

	Cable	Ant	Preamp	Read		Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp 6415.000	11.00	34.80	30.79	83.50	98.51	88.20	10.31	peak
2 7125.000	11.82	36.45	31.26	43.82	60.83	88.20	-27.37	peak
3 7184.144	11.88	36.57	31.29	46.72	63.88	88.20	-24.32	peak



11a\_TX\_CH\_093\_Vertical-Avg



Condition: 3m VERTICAL

Job No : 00881WM/00882WM

Mode : 6415 Band edge

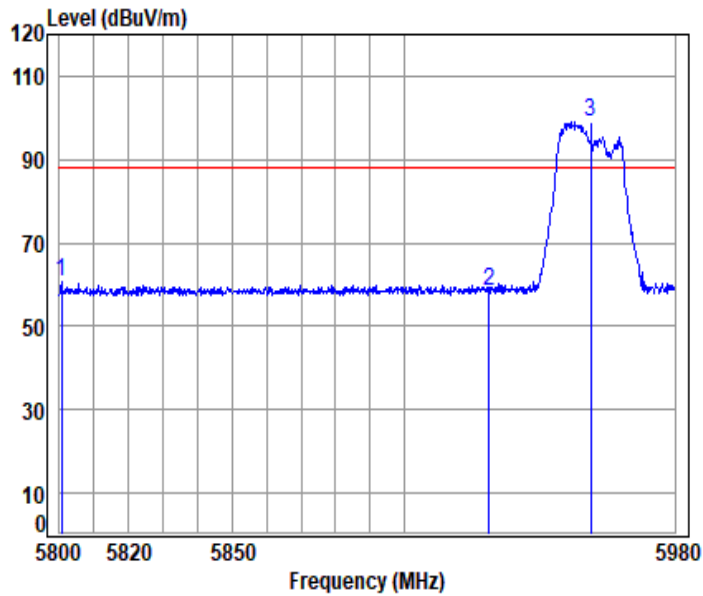
: Wi-Fi 6E 11a

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	pp 6415.000	11.00	34.80	30.79	74.64	89.65	68.20	21.45	Average
2	7125.000	11.82	36.45	31.26	31.02	48.03	68.20	-20.17	Average
3	7200.000	11.89	36.60	31.30	31.57	48.76	68.20	-19.44	Average





11be\_20M\_TX\_CH\_001\_Horizontal-Peak



Condition: 3m HORIZONTAL

Job No : 00881WM/00882WM

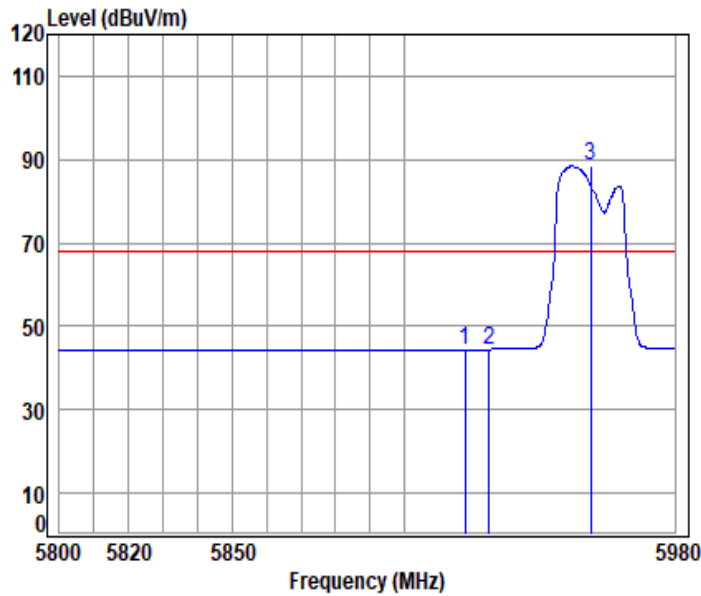
Mode : 5955 Band edge

: Wi-Fi 6E 11be20

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5800.532	11.02	33.40	30.58	46.90	60.74	88.20	-27.46	peak
2	5925.000	10.87	33.55	30.53	44.32	58.21	88.20	-29.99	peak
3 pp	5955.000	10.85	33.62	30.52	85.15	99.10	88.20	10.90	peak



11be\_20M\_TX\_CH\_001\_Horizontal-AVG



Condition: 3m HORIZONTAL

Job No : 00881WM/00882WM

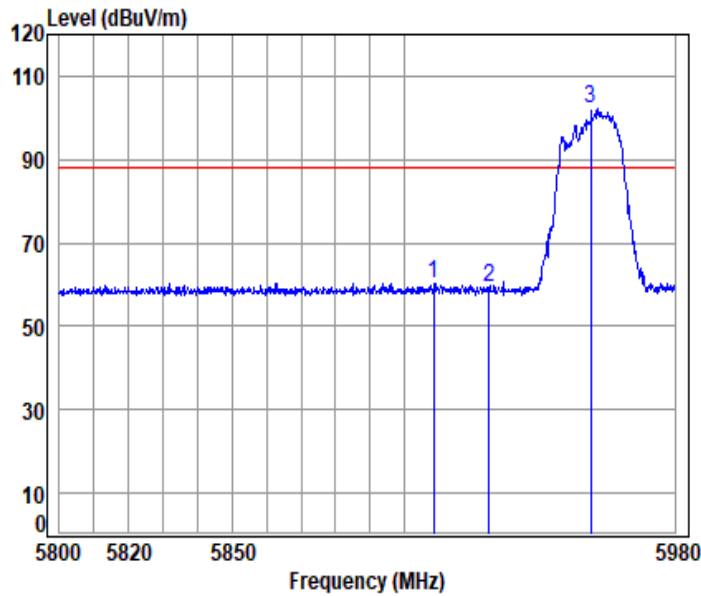
Mode : 5955 Band edge

: Wi-Fi 6E 11be20

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5918.001	10.88	33.54	30.53	30.56	44.45	68.20	-23.75	Average
2	5925.000	10.87	33.55	30.53	30.56	44.45	68.20	-23.75	Average
3 pp	5955.000	10.85	33.62	30.52	74.42	88.37	68.20	20.17	Average



11be\_20M\_TX\_CH\_001\_Vertical-Peak



Condition: 3m VERTICAL

Job No : 00881WM/00882WM

Mode : 5955 Band edge

: Wi-Fi 6E 11be20

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5908.784	10.88	33.52	30.54	46.53	60.39	88.20	-27.81	peak
2	5925.000	10.87	33.55	30.53	45.25	59.14	88.20	-29.06	peak
3 pp	5955.000	10.85	33.62	30.52	88.10	102.05	88.20	13.85	peak



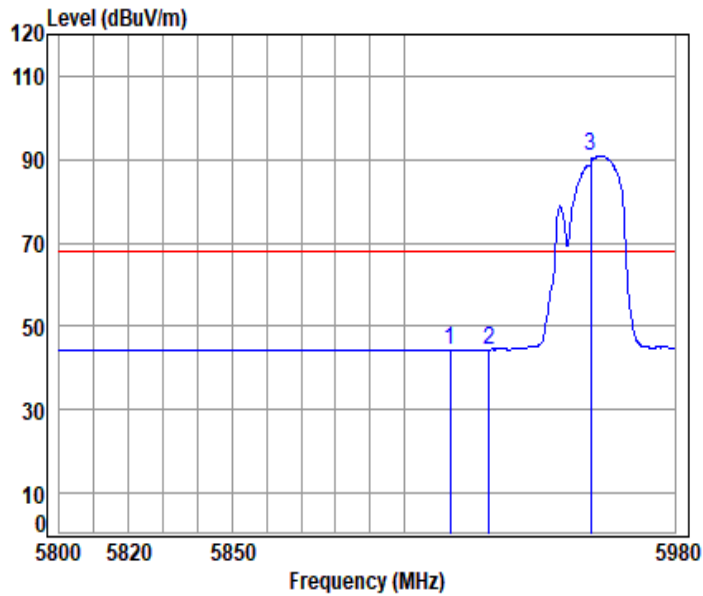
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中国·广东·深圳市南山区科技园中区M-10栋1号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

11be\_20M\_TX\_CH\_001\_Vertical-AVG



Condition: 3m VERTICAL

Job No : 00881WM/00882WM

Mode : 5955 Band edge

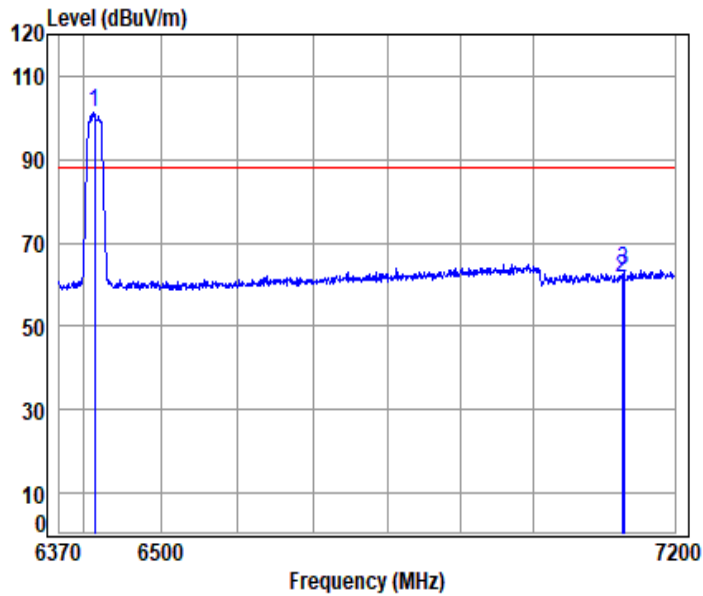
: Wi-Fi 6E 11be20

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5913.662	10.88	33.53	30.53	30.60	44.48	68.20	-23.72	Average
2	5925.000	10.87	33.55	30.53	30.56	44.45	68.20	-23.75	Average
3 pp	5955.000	10.85	33.62	30.52	76.82	90.77	68.20	22.57	Average





11be\_20M\_TX\_CH\_093\_Horizontal-Peak



Condition: 3m HORIZONTAL

Job No : 00881WM/00882WM

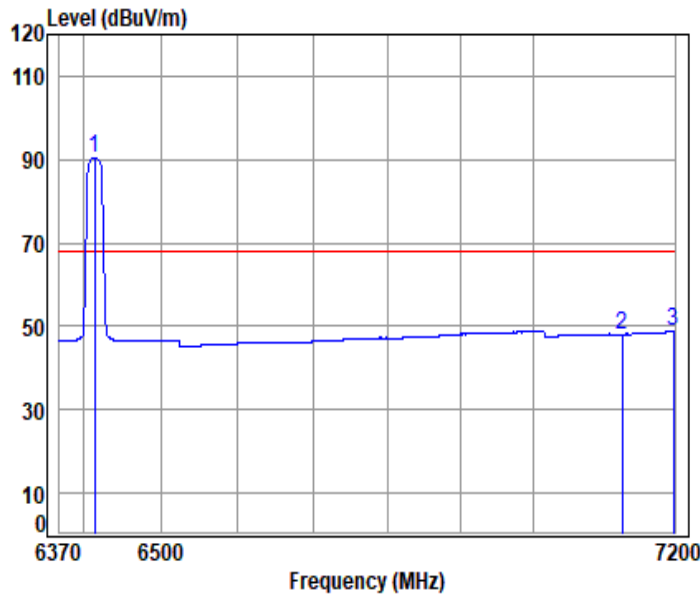
Mode : 6415 Band edge

: Wi-Fi 6E 11be20

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	pp 6415.000	11.00	34.80	30.79	86.51	101.52	88.20	13.32	peak
2	7125.000	11.82	36.45	31.26	44.49	61.50	88.20	-26.70	peak
3	7127.176	11.82	36.45	31.26	46.60	63.61	88.20	-24.59	peak



11be\_20M\_TX\_CH\_093\_Horizontal-AVG



Condition: 3m HORIZONTAL

Job No : 00881WM/00882WM

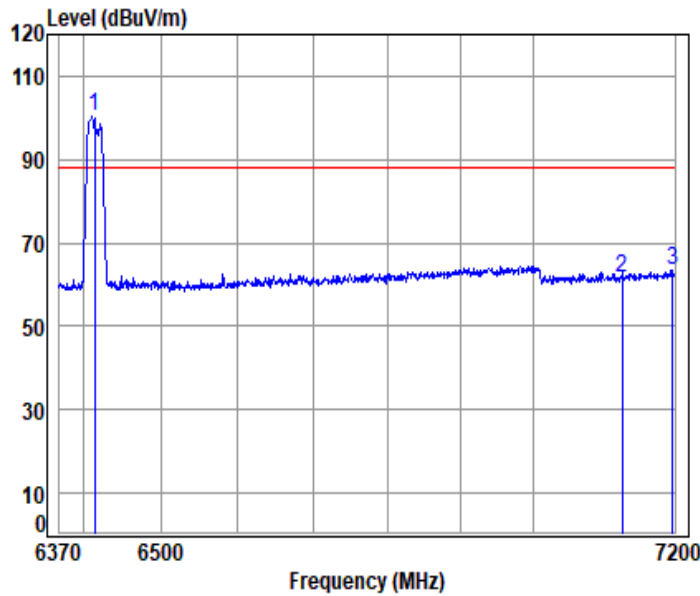
Mode : 6415 Band edge

: Wi-Fi 6E 11be20

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	pp 6415.000	11.00	34.80	30.79	75.48	90.49	68.20	22.29	Average
2	7125.000	11.82	36.45	31.26	31.08	48.09	68.20	-20.11	Average
3	7198.236	11.89	36.60	31.30	31.62	48.81	68.20	-19.39	Average



11be\_20M\_TX\_CH\_093\_Vertical-Peak



Condition: 3m VERTICAL

Job No : 00881WM/00882WM

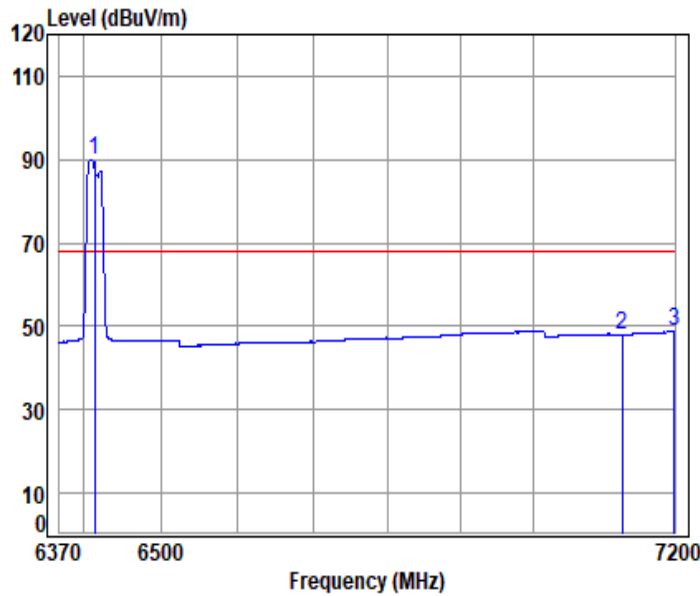
Mode : 6415 Band edge

: Wi-Fi 6E 11be20

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	pp 6415.000	11.00	34.80	30.79	85.52	100.53	88.20	12.33	peak
2	7125.000	11.82	36.45	31.26	44.39	61.40	88.20	-26.80	peak
3	7196.474	11.89	36.59	31.30	46.09	63.27	88.20	-24.93	peak



11be\_20M\_TX\_CH\_093\_Vertical-AVG



Condition: 3m VERTICAL

Job No : 00881WM/00882WM

Mode : 6415 Band edge

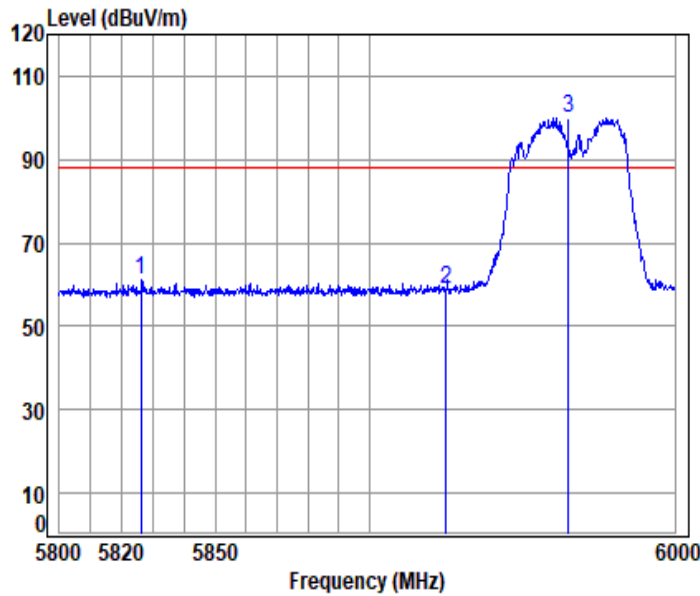
: Wi-Fi 6E 11be20

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	pp 6415.000	11.00	34.80	30.79	74.86	89.87	68.20	21.67	Average
2	7125.000	11.82	36.45	31.26	31.03	48.04	68.20	-20.16	Average
3	7199.118	11.89	36.60	31.30	31.58	48.77	68.20	-19.43	Average





11be\_40M\_TX\_CH\_003\_Horizontal-Peak



Condition: 3m HORIZONTAL

Job No : 00881WM/00882WM

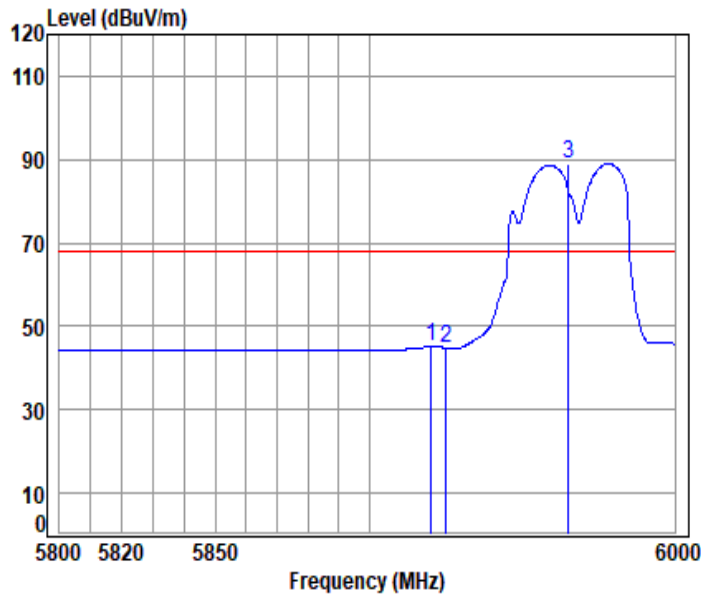
Mode : 5965 Band edge

: Wi-Fi 6E 11be40

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5826.211	10.99	33.50	30.57	47.05	60.97	88.20	-27.23	peak
2	5925.000	10.87	33.55	30.53	44.97	58.86	88.20	-29.34	peak
3 pp	5965.000	10.84	33.66	30.51	86.14	100.13	88.20	11.93	peak



11be\_40M\_TX\_CH\_003\_Horizontal-AVG



Condition: 3m HORIZONTAL

Job No : 00881WM/00882WM

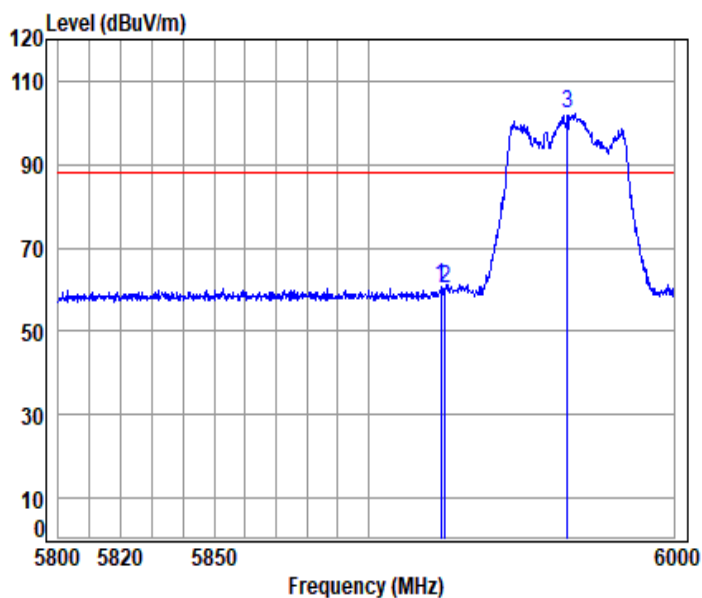
Mode : 5965 Band edge

: Wi-Fi 6E 11be40

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5919.988	10.87	33.54	30.53	31.18	45.06	68.20	-23.14	Average
2	5925.000	10.87	33.55	30.53	30.97	44.86	68.20	-23.34	Average
3 pp	5965.000	10.84	33.66	30.51	74.97	88.96	68.20	20.76	Average



11be\_40M\_TX\_CH\_003\_Vertical-Peak



Condition: 3m VERTICAL

Job No : 00881WM/00882WM

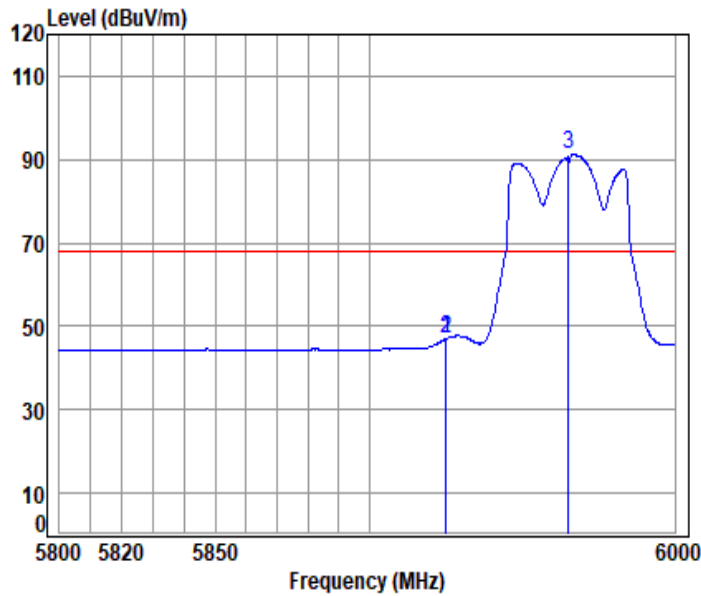
Mode : 5965 Band edge

: Wi-Fi 6E 11be40

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5923.401	10.87	33.55	30.53	46.73	60.62	88.20	-27.58	peak
2	5925.000	10.87	33.55	30.53	46.48	60.37	88.20	-27.83	peak
3 pp	5965.000	10.84	33.66	30.51	88.29	102.28	88.20	14.08	peak



11be\_40M\_TX\_CH\_003\_Vertical-AVG



Condition: 3m VERTICAL

Job No : 00881WM/00882WM

Mode : 5965 Band edge

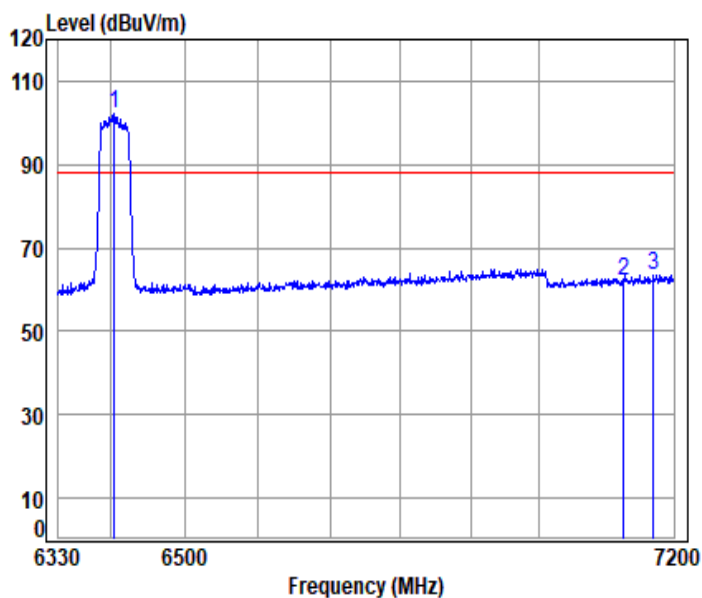
: Wi-Fi 6E 11be40

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5924.807	10.87	33.55	30.53	33.10	46.99	68.20	-21.21	Average
2	5925.000	10.87	33.55	30.53	33.16	47.05	68.20	-21.15	Average
3 pp	5965.000	10.84	33.66	30.51	77.10	91.09	68.20	22.89	Average





11be\_40M\_TX\_CH\_091\_Horizontal-Peak



Condition: 3m HORIZONTAL

Job No : 00881WM/00882WM

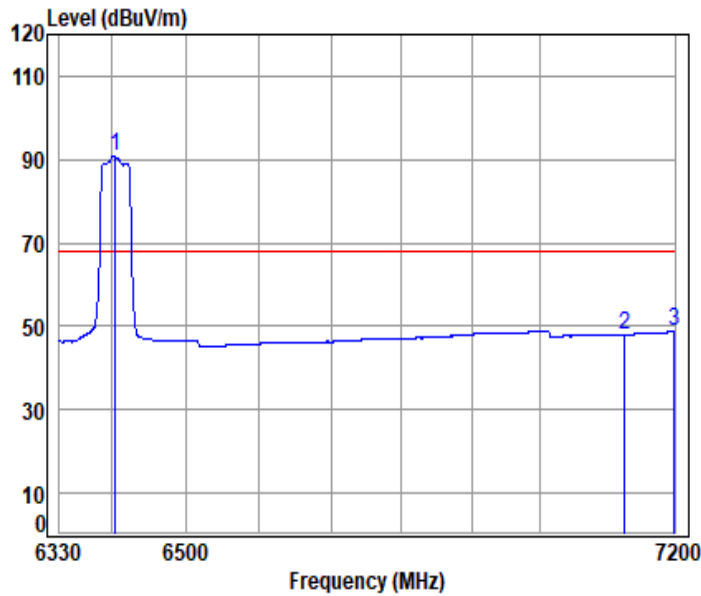
Mode : 6405 Band edge

: Wi-Fi 6E 11be40

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	pp 6405.000	10.99	34.80	30.78	87.01	102.02	88.20	13.82	peak
2	7125.000	11.82	36.45	31.26	45.15	62.16	88.20	-26.04	peak
3	7169.467	11.86	36.54	31.28	46.37	63.49	88.20	-24.71	peak



11be\_40M\_TX\_CH\_091\_Horizontal-AVG



Condition: 3m HORIZONTAL

Job No : 00881WM/00882WM

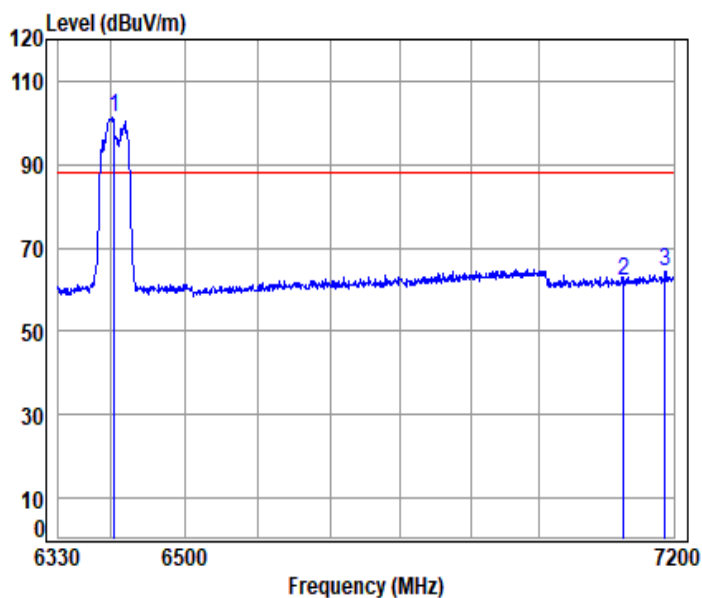
Mode : 6405 Band edge

: Wi-Fi 6E 11be40

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	pp 6405.000	10.99	34.80	30.78	75.80	90.81	68.20	22.61	Average
2	7125.000	11.82	36.45	31.26	31.06	48.07	68.20	-20.13	Average
3	7199.073	11.89	36.60	31.30	31.59	48.78	68.20	-19.42	Average



11be\_40M\_TX\_CH\_091\_Vertical-Peak



Condition: 3m VERTICAL

Job No : 00881WM/00882WM

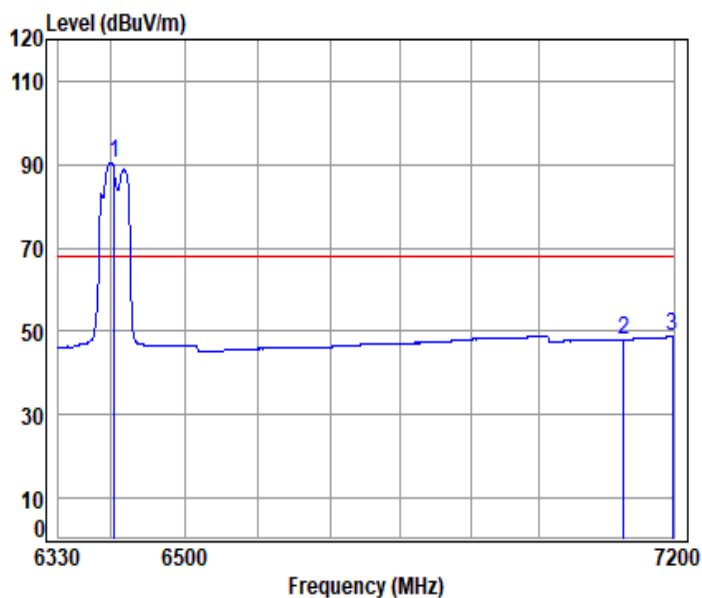
Mode : 6405 Band edge

: Wi-Fi 6E 11be40

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	pp 6405.000	10.99	34.80	30.78	86.21	101.22	88.20	13.02	peak
2	7125.000	11.82	36.45	31.26	44.91	61.92	88.20	-26.28	peak
3	7187.031	11.88	36.57	31.29	47.01	64.17	88.20	-24.03	peak



11be\_40M\_TX\_CH\_091\_Vertical-AVG



Condition: 3m VERTICAL

Job No : 00881WM/00882WM

Mode : 6405 Band edge

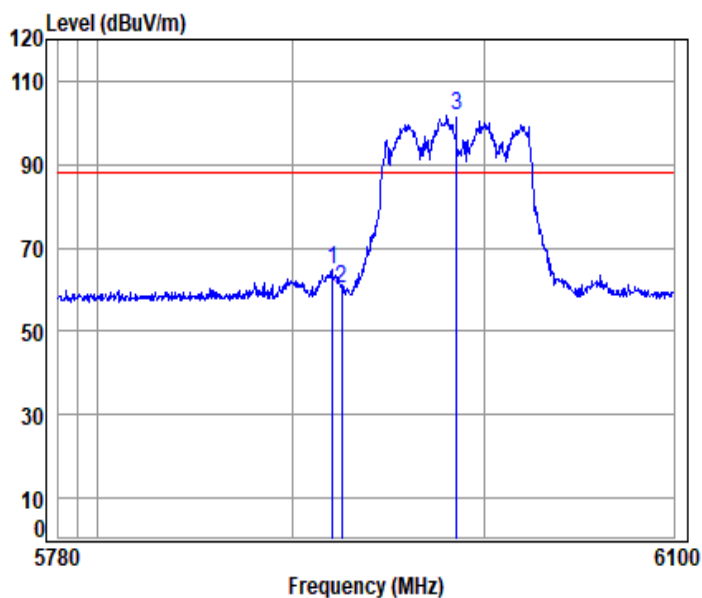
: Wi-Fi 6E 11be40

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	pp 6405.000	10.99	34.80	30.78	75.52	90.53	68.20	22.33	Average
2	7125.000	11.82	36.45	31.26	31.08	48.09	68.20	-20.11	Average
3	7198.146	11.89	36.60	31.30	31.57	48.76	68.20	-19.44	Average





11be\_80M\_TX\_CH\_007\_Horizontal-Peak



Condition: 3m HORIZONTAL

Job No : 00881WM/00882WM

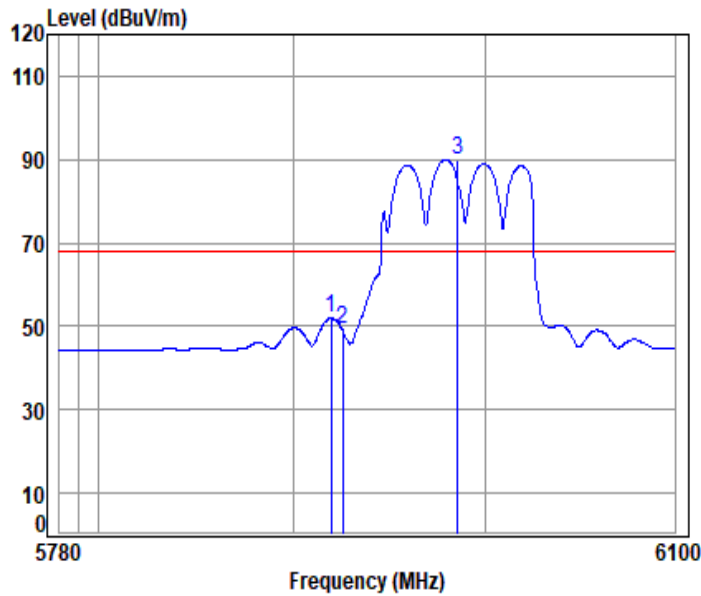
Mode : 5985 Band edge

: Wi-Fi 6E 11be80

		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5920.273	10.87	33.54	30.53	50.97	64.85	88.20	-23.35 peak
2	5925.000	10.87	33.55	30.53	46.53	60.42	88.20	-27.78 peak
3 pp	5985.000	10.82	33.74	30.51	87.56	101.61	88.20	13.41 peak



11be\_80M\_TX\_CH\_007\_Horizontal-AVG



Condition: 3m HORIZONTAL

Job No : 00881WM/00882WM

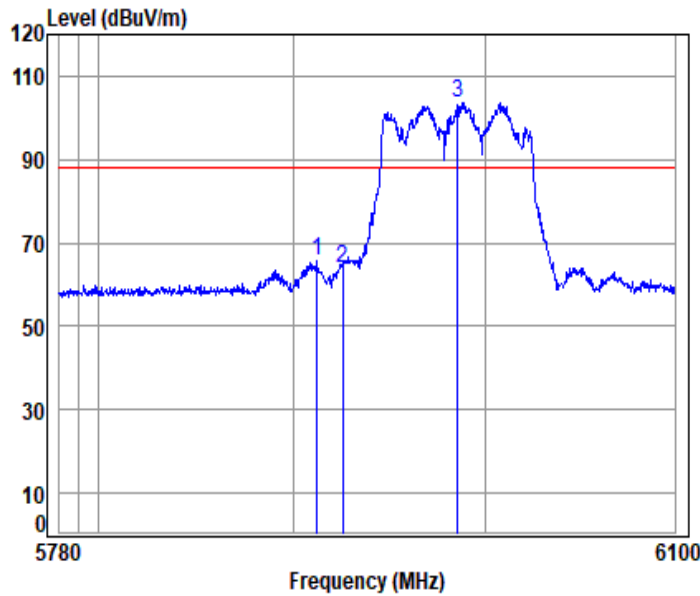
Mode : 5985 Band edge

: Wi-Fi 6E 11be80

		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5919.316	10.87	33.54	30.53	38.02	51.90	68.20	-16.30 Average
2	5925.000	10.87	33.55	30.53	35.21	49.10	68.20	-19.10 Average
3 pp	5985.000	10.82	33.74	30.51	75.88	89.93	68.20	21.73 Average



11be\_80M\_TX\_CH\_007\_Vertical-Peak



Condition: 3m VERTICAL

Job No : 00881WM/00882WM

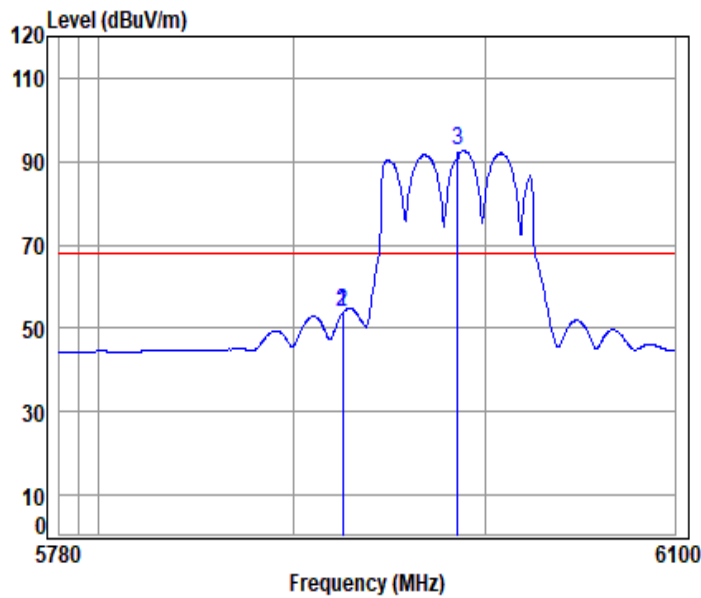
Mode : 5985 Band edge

: Wi-Fi 6E 11be80

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5911.984	10.88	33.52	30.54	51.93	65.79	88.20	-22.41	peak
2	5925.000	10.87	33.55	30.53	50.16	64.05	88.20	-24.15	peak
3 pp	5985.000	10.82	33.74	30.51	89.51	103.56	88.20	15.36	peak



11be\_80M\_TX\_CH\_007\_Vertical-AVG



Condition: 3m VERTICAL

Job No : 00881WM/00882WM

Mode : 5985 Band edge

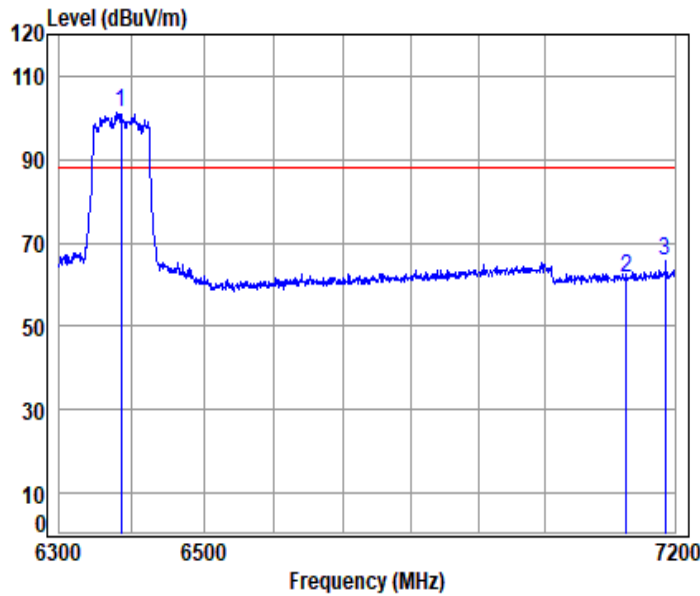
: Wi-Fi 6E 11be80

		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5925.000	10.87	33.55	30.53	39.81	53.70	68.20	-14.50 Average
2	5925.060	10.87	33.55	30.53	39.81	53.70	68.20	-14.50 Average
3 pp	5985.000	10.82	33.74	30.51	78.42	92.47	68.20	24.27 Average





11be\_80M\_TX\_CH\_087\_Horizontal-Peak



Condition: 3m HORIZONTAL

Job No : 00881WM/00882WM

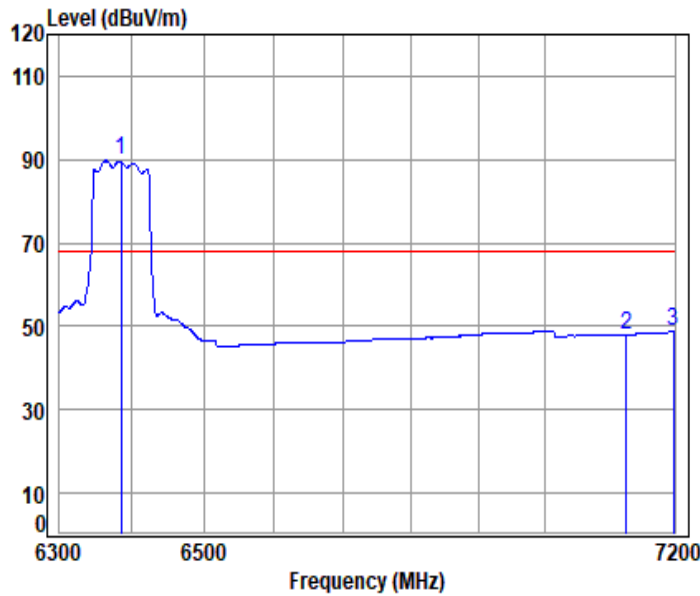
Mode : 6385 Band edge

: Wi-Fi 6E 11be80

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	pp 6385.000	10.99	34.77	30.77	86.17	101.16	88.20	12.96	peak
2	7125.000	11.82	36.45	31.26	44.79	61.80	88.20	-26.40	peak
3	7185.593	11.88	36.57	31.29	48.49	65.65	88.20	-22.55	peak



11be\_80M\_TX\_CH\_087\_Horizontal-AVG



Condition: 3m HORIZONTAL

Job No : 00881WM/00882WM

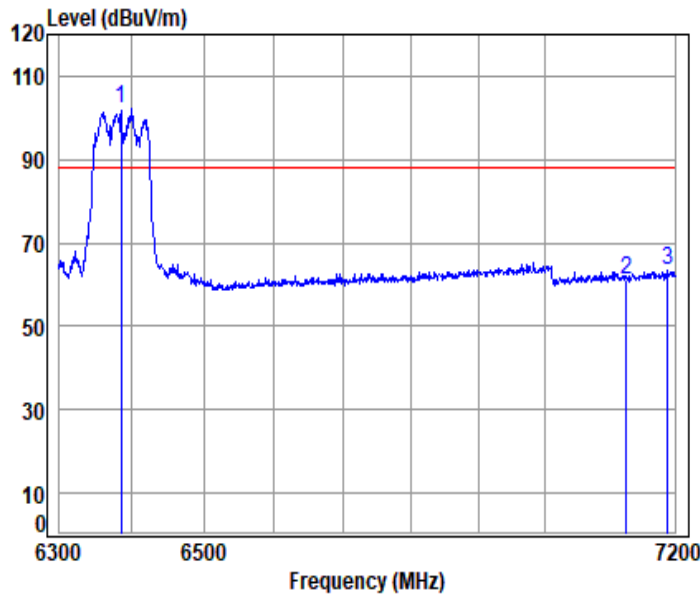
Mode : 6385 Band edge

: Wi-Fi 6E 11be80

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	pp 6385.000	10.99	34.77	30.77	74.80	89.79	68.20	21.59	Average
2	7125.000	11.82	36.45	31.26	31.01	48.02	68.20	-20.18	Average
3	7198.078	11.89	36.60	31.30	31.56	48.75	68.20	-19.45	Average



11be\_80M\_TX\_CH\_087\_Vertical-Peak



Condition: 3m VERTICAL

Job No : 00881WM/00882WM

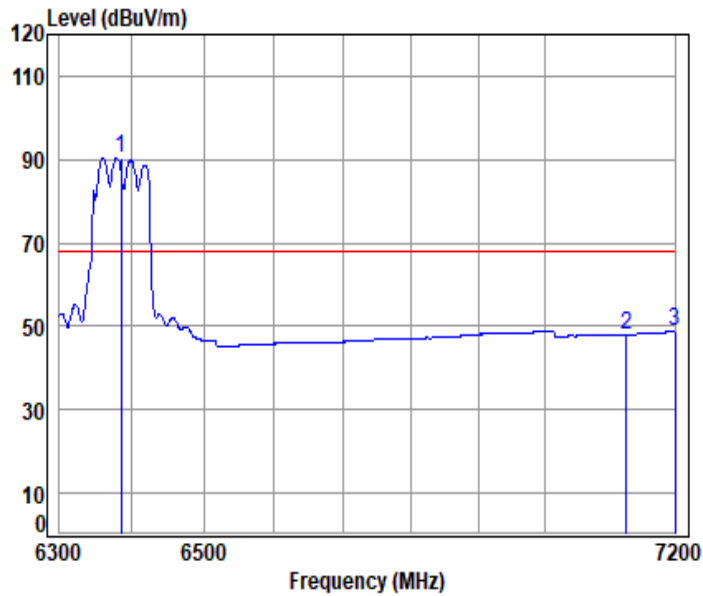
Mode : 6385 Band edge

: Wi-Fi 6E 11be80

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	pp 6385.000	10.99	34.77	30.77	87.15	102.14	88.20	13.94	peak
2	7125.000	11.82	36.45	31.26	44.33	61.34	88.20	-26.86	peak
3	7189.432	11.88	36.58	31.29	46.06	63.23	88.20	-24.97	peak



11be\_80M\_TX\_CH\_087\_Vertical-AVG



Condition: 3m VERTICAL

Job No : 00881WM/00882WM

Mode : 6385 Band edge

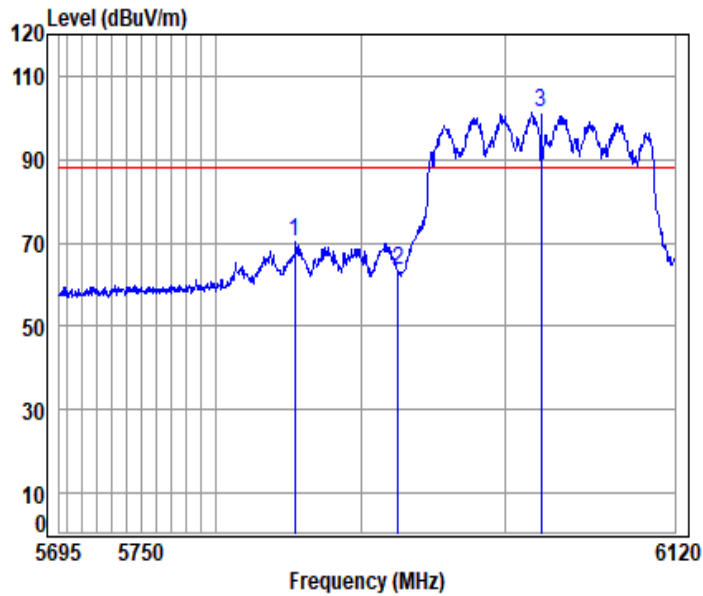
: Wi-Fi 6E 11be80

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	pp 6385.000	10.99	34.77	30.77	75.32	90.31	68.20	22.11	Average
2	7125.000	11.82	36.45	31.26	31.00	48.01	68.20	-20.19	Average
3	7200.000	11.89	36.60	31.30	31.56	48.75	68.20	-19.45	Average





11be\_160M\_TX\_CH\_015\_Horizontal-Peak



Condition: 3m HORIZONTAL

Job No : 00881WM/00882WM

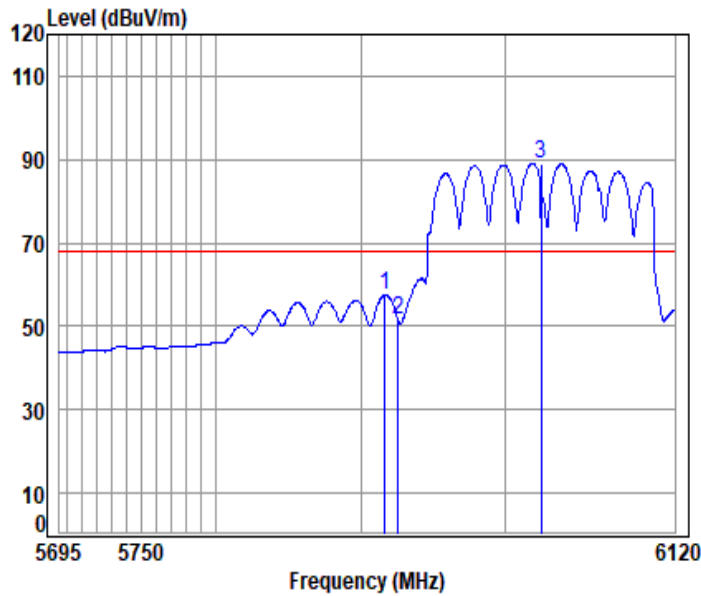
Mode : 6025 Band edge

: Wi-Fi 6E 11be160

		Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5854.171	10.95	33.59	30.56	56.22	70.20	88.20	-18.00 peak
2	5925.000	10.87	33.55	30.53	49.43	63.32	88.20	-24.88 peak
3 pp	6025.000	10.82	33.85	30.52	86.93	101.08	88.20	12.88 peak



11be\_160M\_TX\_CH\_015\_Horizontal-AVG



Condition: 3m HORIZONTAL

Job No : 00881WM/00882WM

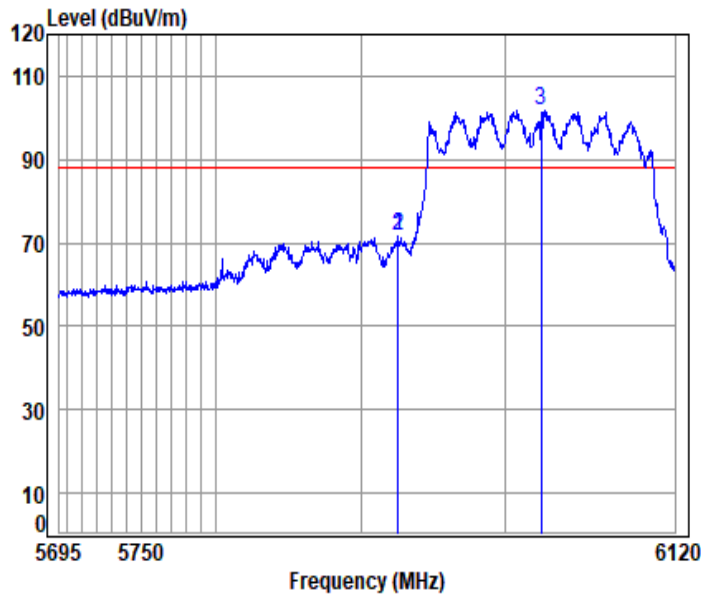
Mode : 6025 Band edge

: Wi-Fi 6E 11be160

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5916.012	10.88	33.53	30.53	43.55	57.43	68.20	-10.77	Average
2	5925.000	10.87	33.55	30.53	37.88	51.77	68.20	-16.43	Average
3 pp	6025.000	10.82	33.85	30.52	74.81	88.96	68.20	20.76	Average



11be\_160M\_TX\_CH\_015\_Vertical-Peak



Condition: 3m VERTICAL

Job No : 00881WM/00882WM

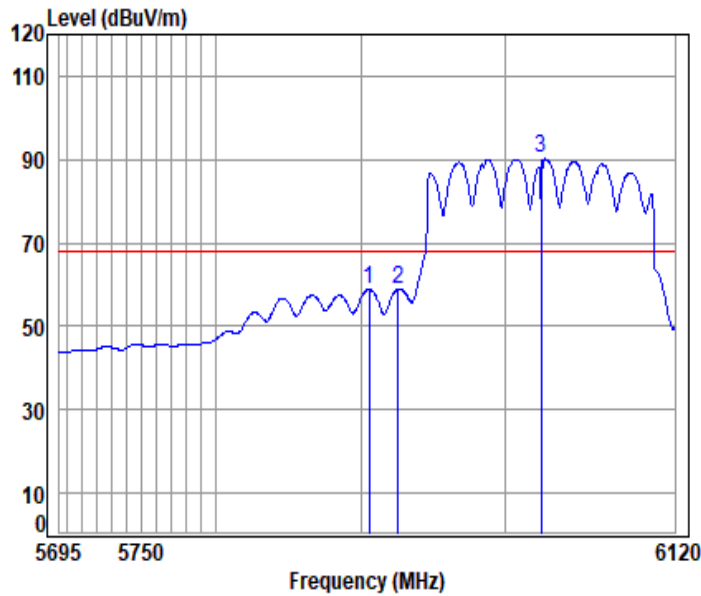
Mode : 6025 Band edge

: Wi-Fi 6E 11be160

		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5924.960	10.87	33.55	30.53	57.53	71.42	88.20	-16.78 peak
2	5925.000	10.87	33.55	30.53	57.53	71.42	88.20	-16.78 peak
3 pp	6025.000	10.82	33.85	30.52	87.66	101.81	88.20	13.61 peak



11be\_160M\_TX\_CH\_015\_Vertical-AVG



Condition: 3m VERTICAL

Job No : 00881WM/00882WM

Mode : 6025 Band edge

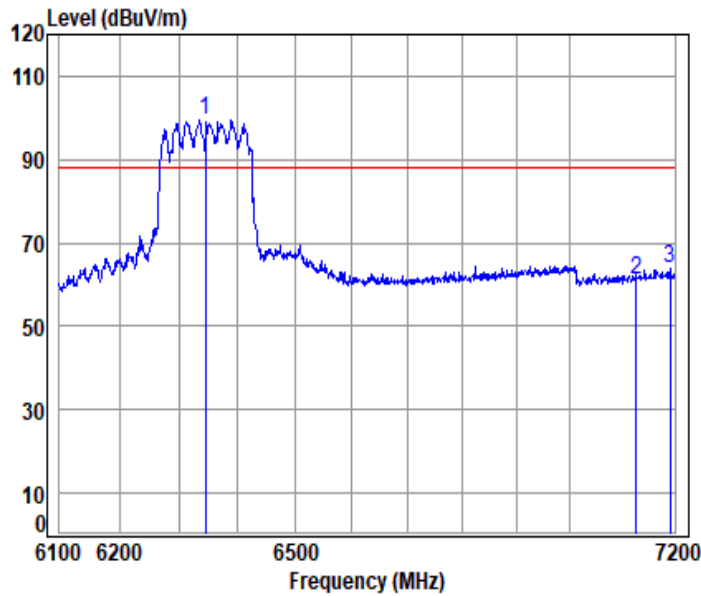
: Wi-Fi 6E 11be160

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5905.376	10.89	33.51	30.54	45.05	58.91	68.20	-9.29	Average
2	5925.000	10.87	33.55	30.53	45.01	58.90	68.20	-9.30	Average
3 pp	6025.000	10.82	33.85	30.52	75.97	90.12	68.20	21.92	Average





11be\_160M\_TX\_CH\_079\_Horizontal-Peak



Condition: 3m HORIZONTAL

Job No : 00881WM/00882WM

Mode : 6345 Band edge

: Wi-Fi 6E 11be160

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	pp 6345.000	11.02	34.69	30.74	84.42	99.39	88.20	11.19	peak
2	7125.000	11.82	36.45	31.26	44.22	61.23	88.20	-26.97	peak
3	7190.457	11.88	36.58	31.30	46.61	63.77	88.20	-24.43	peak



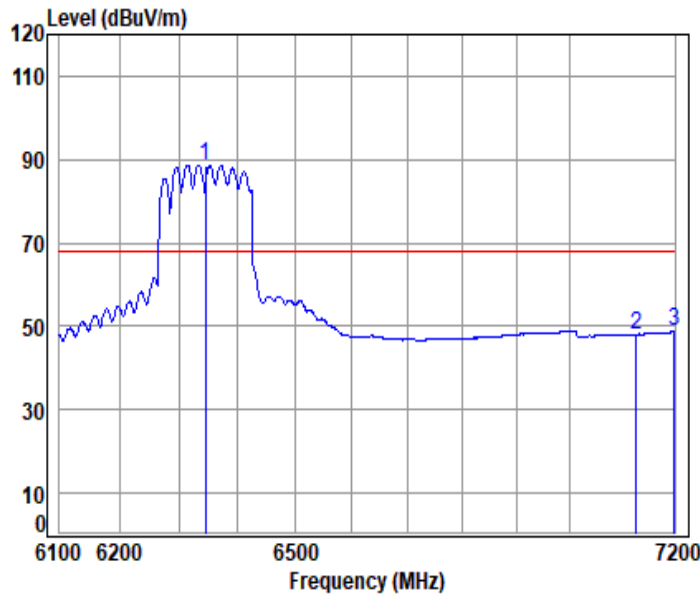
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11be\_160M\_TX\_CH\_079\_Horizontal-AVG



Condition: 3m HORIZONTAL

Job No : 00881WM/00882WM

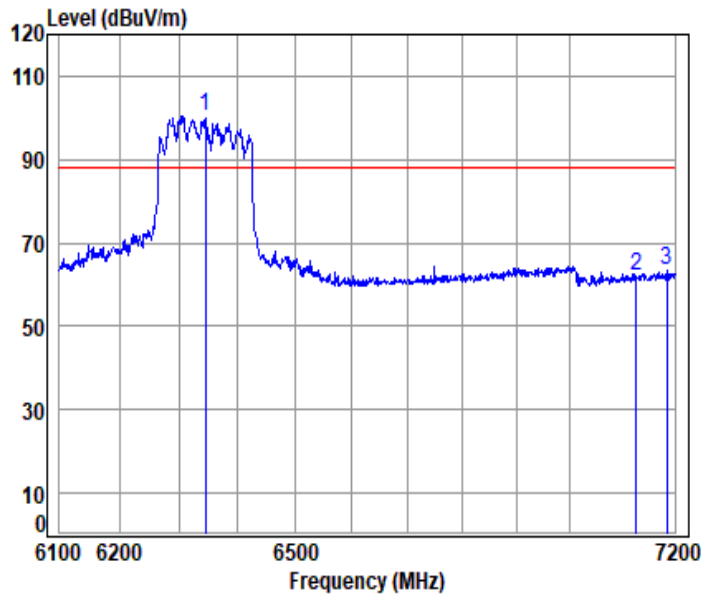
Mode : 6345 Band edge

: Wi-Fi 6E 11be160

		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	pp 6345.000	11.02	34.69	30.74	73.75	88.72	68.20	20.52 Average
2	7125.000	11.82	36.45	31.26	31.00	48.01	68.20	-20.19 Average
3	7198.806	11.89	36.60	31.30	31.52	48.71	68.20	-19.49 Average



11be\_160M\_TX\_CH\_079\_Vertical-Peak



Condition: 3m VERTICAL

Job No : 00881WM/00882WM

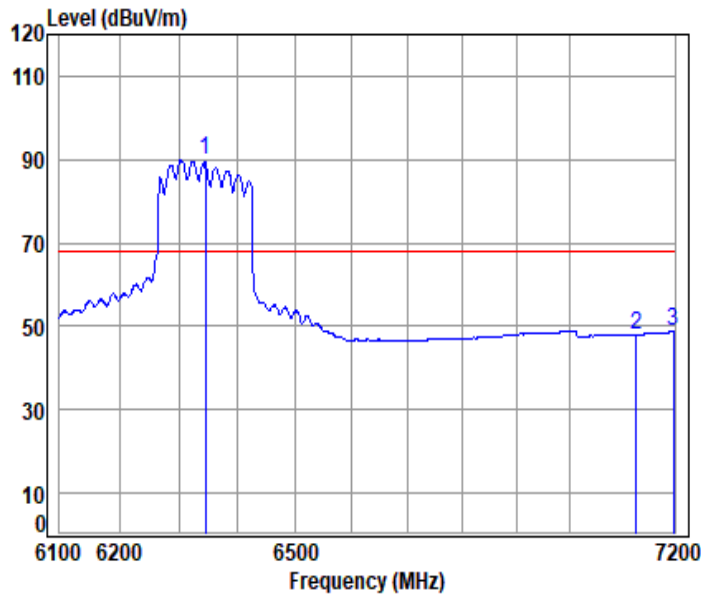
Mode : 6345 Band edge

: Wi-Fi 6E 11be160

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	pp 6345.000	11.02	34.69	30.74	85.42	100.39	88.20	12.19	peak
2	7125.000	11.82	36.45	31.26	44.90	61.91	88.20	-26.29	peak
3	7184.499	11.88	36.57	31.29	46.47	63.63	88.20	-24.57	peak



11be\_160M\_TX\_CH\_079\_Verical-AVG



Condition: 3m VERTICAL

Job No : 00881WM/00882WM

Mode : 6345 Band edge

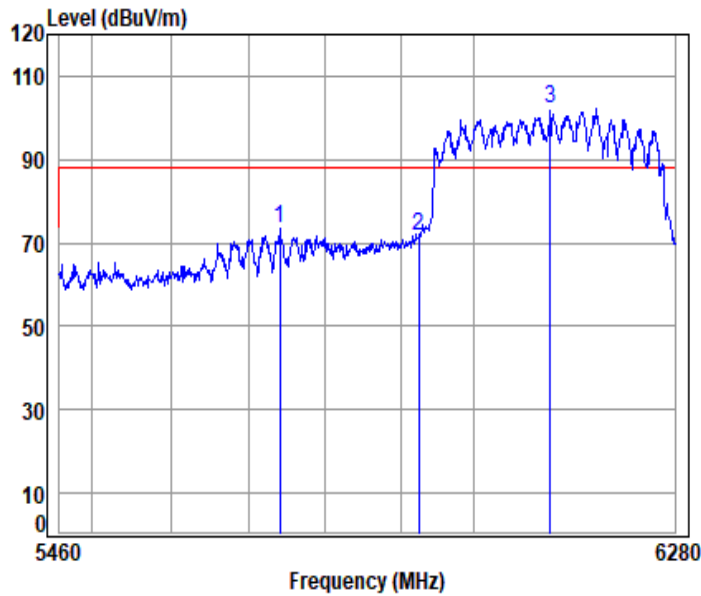
: Wi-Fi 6E 11be160

		Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp 6345.000	11.02	34.69	30.74	74.93	89.90	68.20	21.70	Average
2 7125.000	11.82	36.45	31.26	31.01	48.02	68.20	-20.18	Average
3 7197.613	11.89	36.60	31.30	31.56	48.75	68.20	-19.45	Average





11be\_320M\_TX\_CH\_031\_Horizontal-Peak



Condition: 3m HORIZONTAL

Job No : 00881WM/00882WM

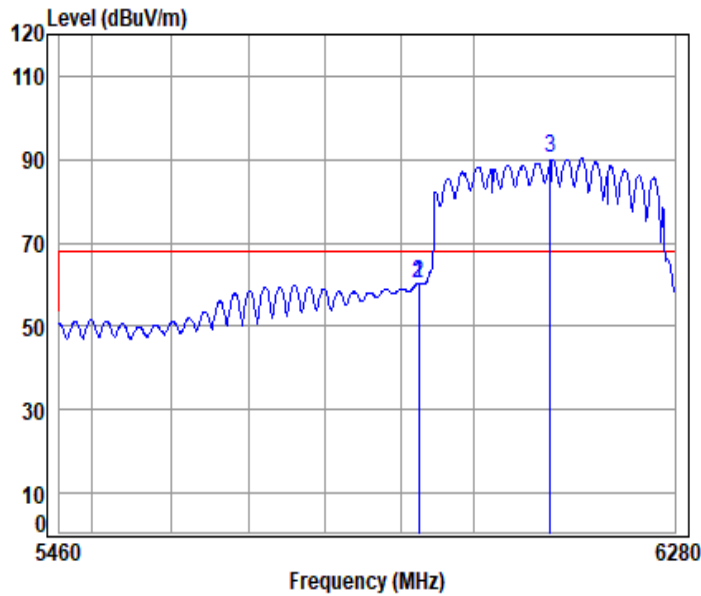
Mode : 6105 Band edge

: Wi-Fi 6E 11be320

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5740.467	10.75	33.28	30.60	60.16	73.59	88.20	-14.61	peak
2	5925.000	10.87	33.55	30.53	57.80	71.69	88.20	-16.51	peak
3 pp	6105.000	10.83	33.75	30.57	88.16	102.17	88.20	13.97	peak



11be\_320M\_TX\_CH\_031\_Horizontal-AVG



Condition: 3m HORIZONTAL

Job No : 00881WM/00882WM

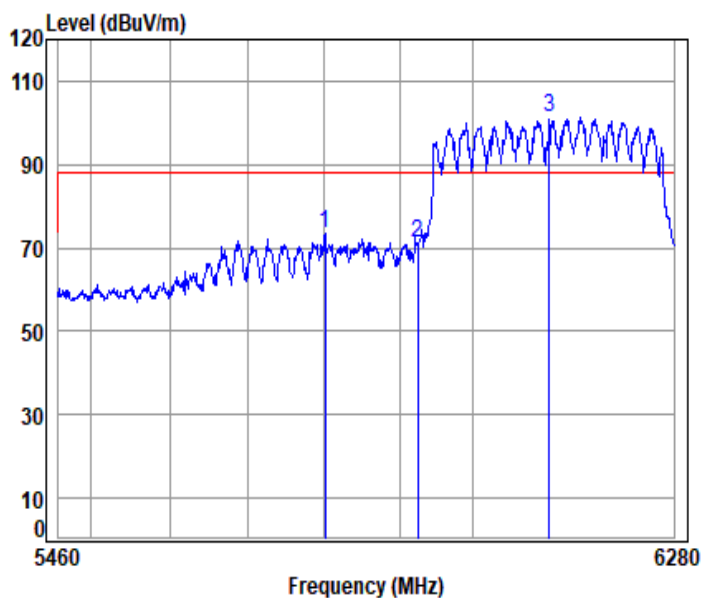
Mode : 6105 Band edge

: Wi-Fi 6E 11be320

		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5924.894	10.87	33.55	30.53	46.51	60.40	68.20	-7.80 Average
2	5925.000	10.87	33.55	30.53	46.51	60.40	68.20	-7.80 Average
3 pp	6105.000	10.83	33.75	30.57	76.28	90.29	68.20	22.09 Average



11be\_320M\_TX\_CH\_031\_Vertical-Peak



Condition: 3m VERTICAL

Job No : 00881WM/00882WM

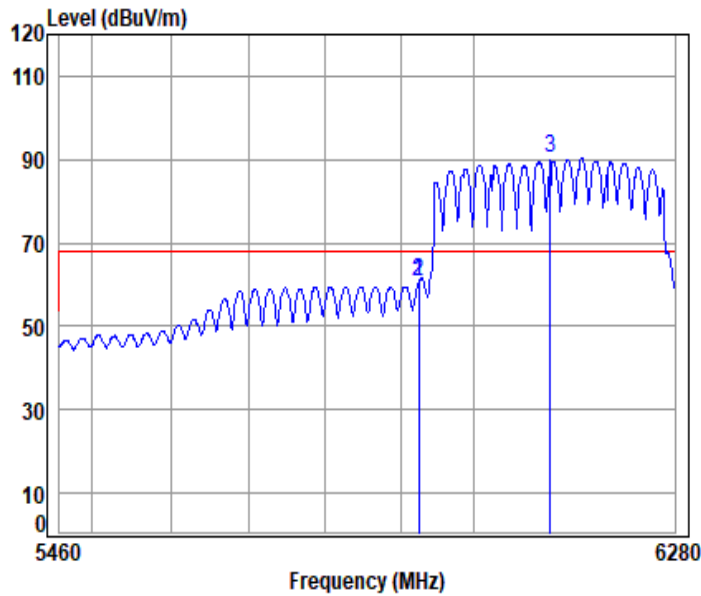
Mode : 6105 Band edge

: Wi-Fi 6E 11be320

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5801.025	11.02	33.40	30.58	59.74	73.58	88.20	-14.62	peak
2	5925.000	10.87	33.55	30.53	57.34	71.23	88.20	-16.97	peak
3 pp	6105.000	10.83	33.75	30.57	87.24	101.25	88.20	13.05	peak



11be\_320M\_TX\_CH\_031\_Vertical-AVG



Condition: 3m VERTICAL

Job No : 00881WM/00882WM

Mode : 6105 Band edge

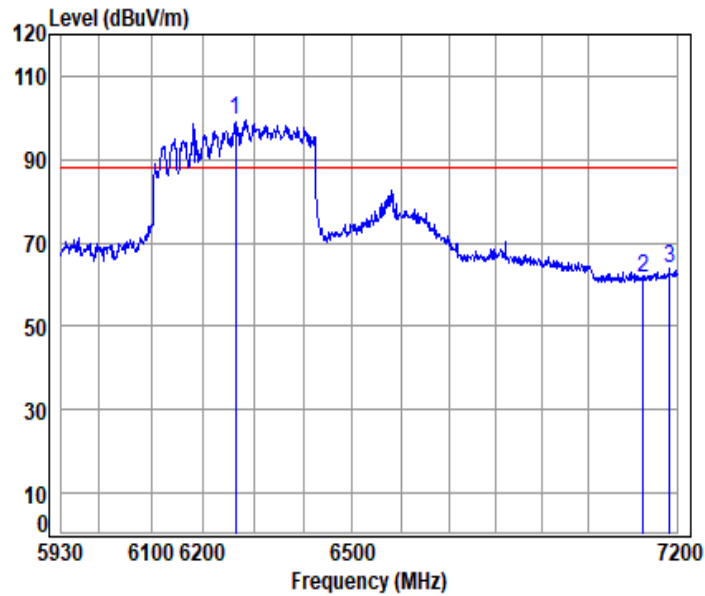
: Wi-Fi 6E 11be320

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5924.894	10.87	33.55	30.53	46.76	60.65	68.20	-7.55	Average
2	5925.000	10.87	33.55	30.53	46.76	60.65	68.20	-7.55	Average
3 pp	6105.000	10.83	33.75	30.57	76.40	90.41	68.20	22.21	Average





11be\_320M\_TX\_CH\_063\_Horizontal-Peak



Condition: 3m HORIZONTAL

Job No : 00881WM/00882WM

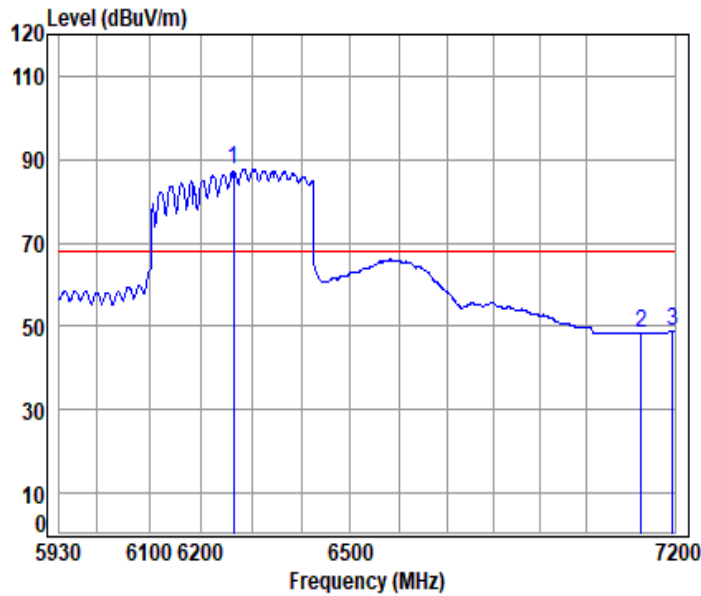
Mode : 6265 Band edge

: Wi-Fi 6E 11be320

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	pp 6265.000	10.98	34.39	30.69	84.82	99.50	88.20	11.30	peak
2	7125.000	11.82	36.45	31.26	44.81	61.82	88.20	-26.38	peak
3	7183.253	11.87	36.57	31.29	46.72	63.87	88.20	-24.33	peak



11be\_320M\_TX\_CH\_063\_Horizontal-AVG



Condition: 3m HORIZONTAL

Job No : 00881WM/00882WM

Mode : 6265 Band edge

: Wi-Fi 6E 11be320

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	pp 6265.000	10.98	34.39	30.69	73.04	87.72	68.20	19.52	Average
2	7125.000	11.82	36.45	31.26	31.21	48.22	68.20	-19.98	Average
3	7194.414	11.88	36.59	31.30	31.61	48.78	68.20	-19.42	Average



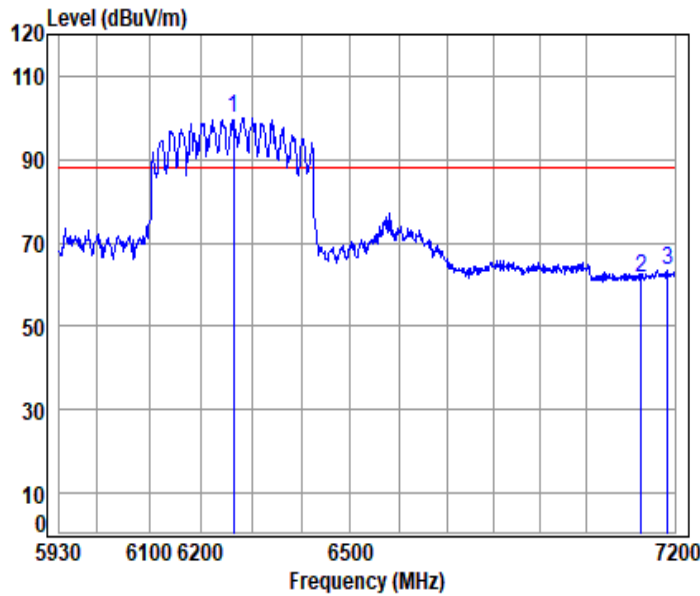
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11be\_320M\_TX\_CH\_063\_Vertical-Peak



Condition: 3m VERTICAL

Job No : 00881WM/00882WM

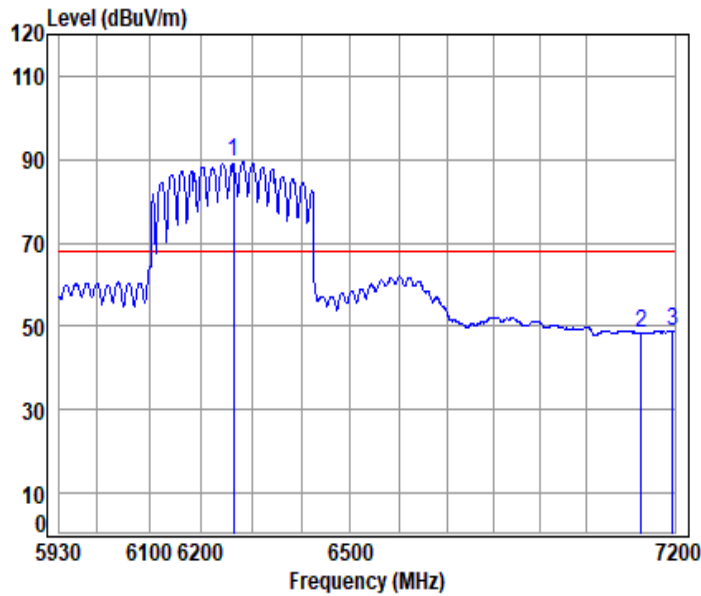
Mode : 6265 Band edge

: Wi-Fi 6E 11be320

	Cable	Ant	Preamp	Read		Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp 6265.000	10.98	34.39	30.69	85.35	100.03	88.20	11.83	peak
2 7125.000	11.82	36.45	31.26	44.80	61.81	88.20	-26.39	peak
3 7183.253	11.87	36.57	31.29	46.36	63.51	88.20	-24.69	peak



11be\_320M\_TX\_CH\_063\_Vertical-AVG



Condition: 3m VERTICAL

Job No : 00881WM/00882WM

Mode : 6265 Band edge

: Wi-Fi 6E 11be320

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	pp 6265.000	10.98	34.39	30.69	74.60	89.28	68.20	21.08	Average
2	7125.000	11.82	36.45	31.26	31.47	48.48	68.20	-19.72	Average
3	7195.810	11.89	36.59	31.30	31.69	48.87	68.20	-19.33	Average





### 7.6 In-Band Emissions

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

Test Method: ANSI C63.10 (2013) Section 12.5

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.

#### 7.6.1 E.U.T. Operation

Operating Environment:

Temperature: 24.3 °C

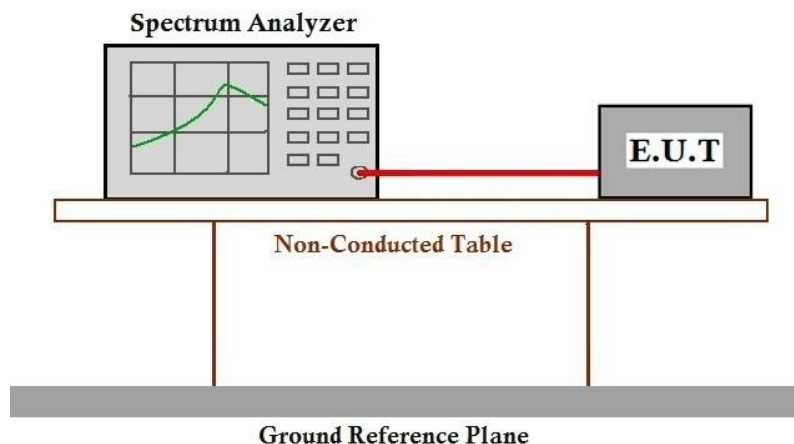
Humidity: 44.8 % RH

Atmospheric Pressure: 1020 mbar

#### 7.6.2 Test Mode Description

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

#### 7.6.3 Test Setup Diagram



#### 7.6.4 Measurement Procedure and Data

Please Refer to Appendix for Details

### 7.7 Contention-based Protocol

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

Test Method: KDB 987594 D02

Limit:

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

#### 7.7.1 E.U.T. Operation

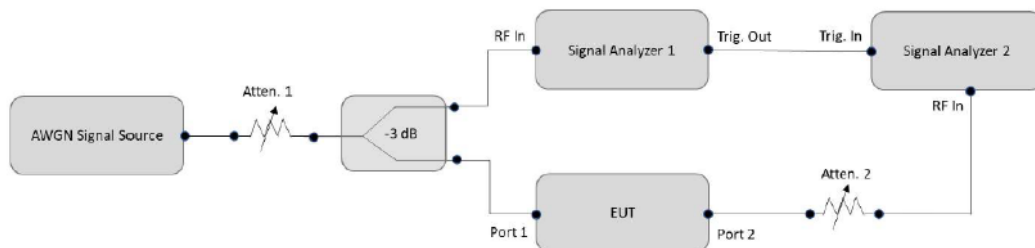
Operating Environment:

Temperature: 24.3 °C

Humidity: 44.8 % RH

Atmospheric Pressure: 1020 mbar

#### 7.7.2 Test Setup Diagram



#### 7.7.3 Measurement Procedure and Data

Please Refer to Appendix for Details

### 7.8 Duty Cycle

Test Requirement ANSI C63.10 (2013) Section 12.2

Test Method: ANSI C63.10 (2013) Section 12.2

Limit:

No limit

#### 7.8.1 E.U.T. Operation

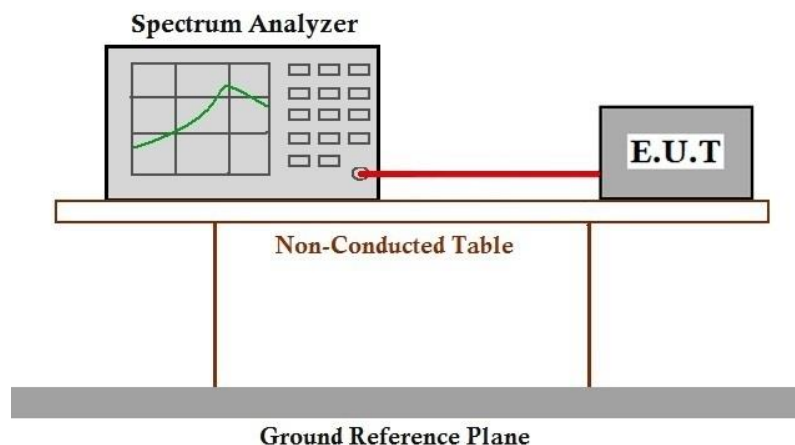
Operating Environment:

Temperature: 24.3 °C Humidity: 44.8 % RH Atmospheric Pressure: 1020 mbar

#### 7.8.2 Test Mode Description

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

#### 7.8.3 Test Setup Diagram



#### 7.8.4 Measurement Procedure and Data

Please Refer to Appendix for Details

### 7.9 99% Bandwidth

Test Requirement ANSI C63.10 (2013) Section 12.4.2

Test Method: ANSI C63.10 (2013) Section 12.4.2

Limit:

<320MHz

#### 7.9.1 E.U.T. Operation

Operating Environment:

Temperature: 24.3 °C

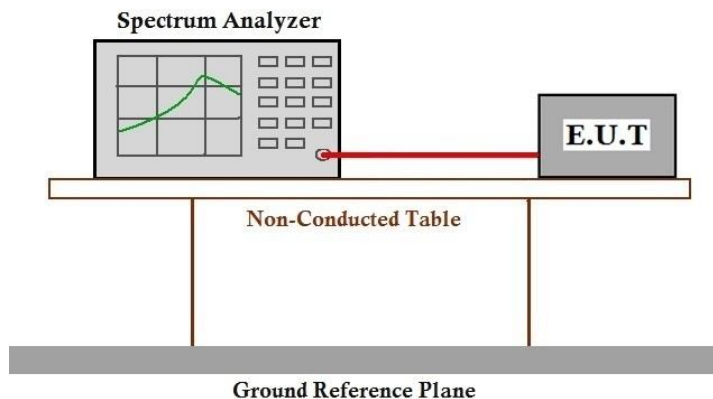
Humidity: 44.8 % RH

Atmospheric Pressure: 1020 mbar

#### 7.9.2 Test Mode Description

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

#### 7.9.3 Test Setup Diagram



#### 7.9.4 Measurement Procedure and Data

Please Refer to Appendix for Details





### 7.10 26dB Emission bandwidth

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

Test Method: ANSI C63.10 (2013) Section 12.4.1

Limit:

No limit

#### 7.10.1 E.U.T. Operation

Operating Environment:

Temperature: 24.3 °C

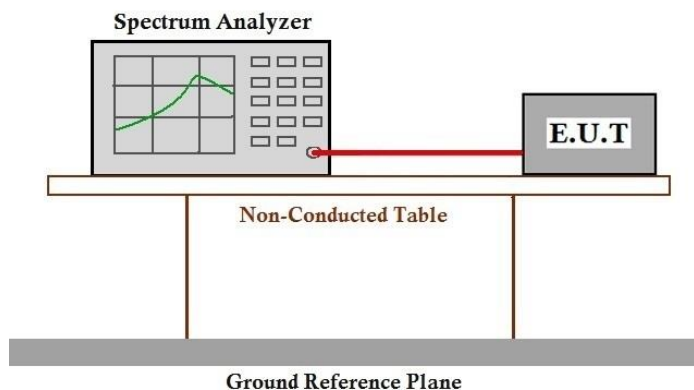
Humidity: 44.8 % RH

Atmospheric Pressure: 1020 mbar

#### 7.10.2 Test Mode Description

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

#### 7.10.3 Test Setup Diagram



#### 7.10.4 Measurement Procedure and Data

Please Refer to Appendix for Details

### 7.11 Peak Power spectrum density

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

Test Method: ANSI C63.10 (2013) Section 12.5

Limit:

Device Type	EIRP Limit	EIRP PSD Limit
LPI AP/Subordinate	$\leq 30$ dBm	$\leq 5$ dBm/MHz
LP Client Device	$\leq 24$ dBm	$\leq -1$ dBm/MHz
Standard Power AP	$\leq 36$ dBm	$\leq 24$ dBm/MHz (21dBm for elevation angle greater than 30 degrees above the horizon)
Standard Client Device	$\leq 30$ dBm	$\leq 17$ dBm/MHz

#### 7.11.1 E.U.T. Operation

Operating Environment:

Temperature: 24.3 °C

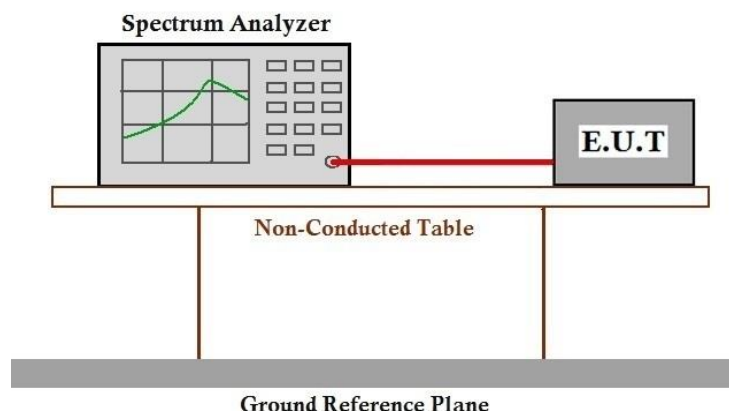
Humidity: 44.8 % RH

Atmospheric Pressure: 1020 mbar

#### 7.11.2 Test Mode Description

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

#### 7.11.3 Test Setup Diagram



#### 7.11.4 Measurement Procedure and Data

Please Refer to Appendix for Details

### 7.12 Frequency Stability

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

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

Limit:

Manufacturers of U-NII devices are responsible for ensuring frequency stability such that an emission is maintained within the band of operation under all conditions of normal operation as specified in the users manual

#### 7.12.1 E.U.T. Operation

Operating Environment:

Temperature: 24.3 °C

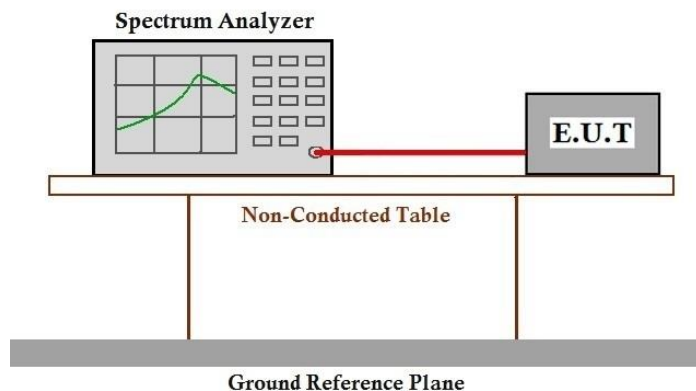
Humidity: 44.8 % RH

Atmospheric Pressure: 1020 mbar

#### 7.12.2 Test Mode Description

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

#### 7.12.3 Test Setup Diagram



#### 7.12.4 Measurement Procedure and Data

Please Refer to Appendix for Details

### 8 Test Setup Photo

Please refer to SZCR2503000881 Appendix\_WLAN Setup Photo

### 9 EUT Constructional Details (EUT Photos)

Refer to Appendix – External and Internal Photos for SZCR2503000881WM.





## 10 Appendix

### For Wi-Fi 6E

#### 1. Duty Cycle

##### 1.1 Test Result

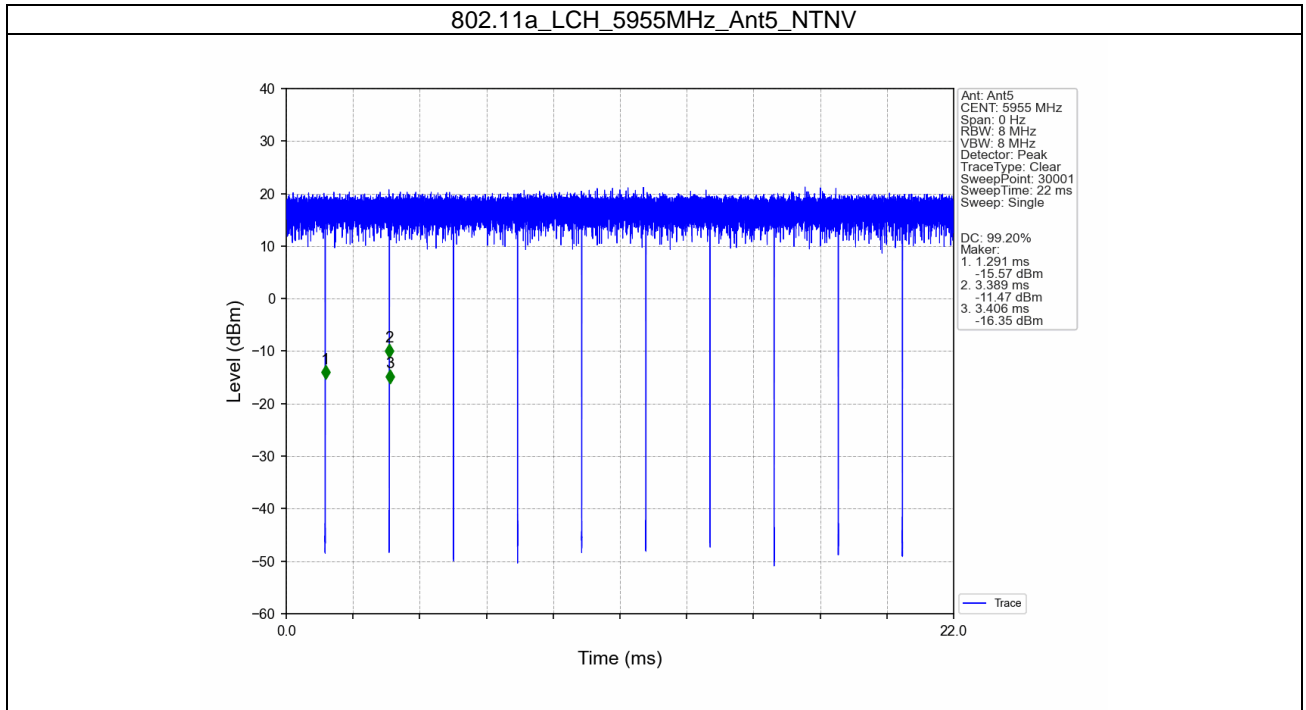
###### 1.1.1 Ant5

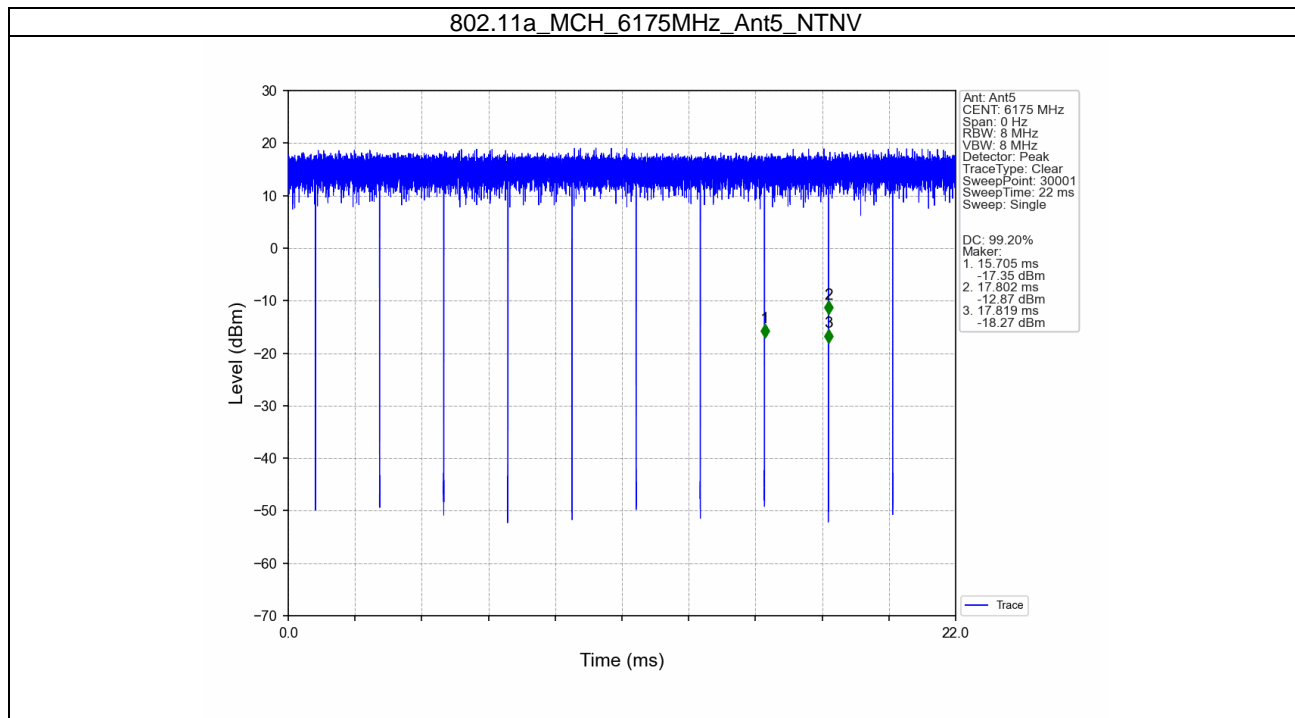
Ant5										
ENV	Mode	TX Type	Frequency (MHz)	RU	RU Pos	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
NTNV	802.11a	MIMO	5955	/	/	2.098	2.115	99.20	0.04	0.03
			6175	/	/	2.097	2.114	99.20	0.04	0.03
			6415	/	/	2.097	2.114	99.20	0.04	0.03
	802.11ax (HEW20)	MIMO	5955	SU	/	2.098	2.114	99.24	0.03	0.00
			6175	SU	/	2.096	2.114	99.15	0.04	0.03
			6415	SU	/	5.444	5.462	99.67	0.01	0.04
	802.11ax (HEW40)	MIMO	5965	SU	/	5.444	5.462	99.67	0.01	0.04
			6165	SU	/	5.444	5.462	99.67	0.01	0.04
			6405	SU	/	5.444	5.462	99.67	0.01	0.04
	802.11ax (HEW80)	MIMO	5985	SU	/	5.445	5.463	99.67	0.01	0.03
			6145	SU	/	5.445	5.464	99.65	0.02	0.03
			6385	SU	/	5.444	5.462	99.67	0.01	0.04
	802.11ax (HEW160)	MIMO	6025	SU	/	5.444	5.462	99.67	0.01	0.04
			6185	SU	/	5.445	5.464	99.65	0.02	0.03
			6345	SU	/	5.444	5.462	99.67	0.01	0.04

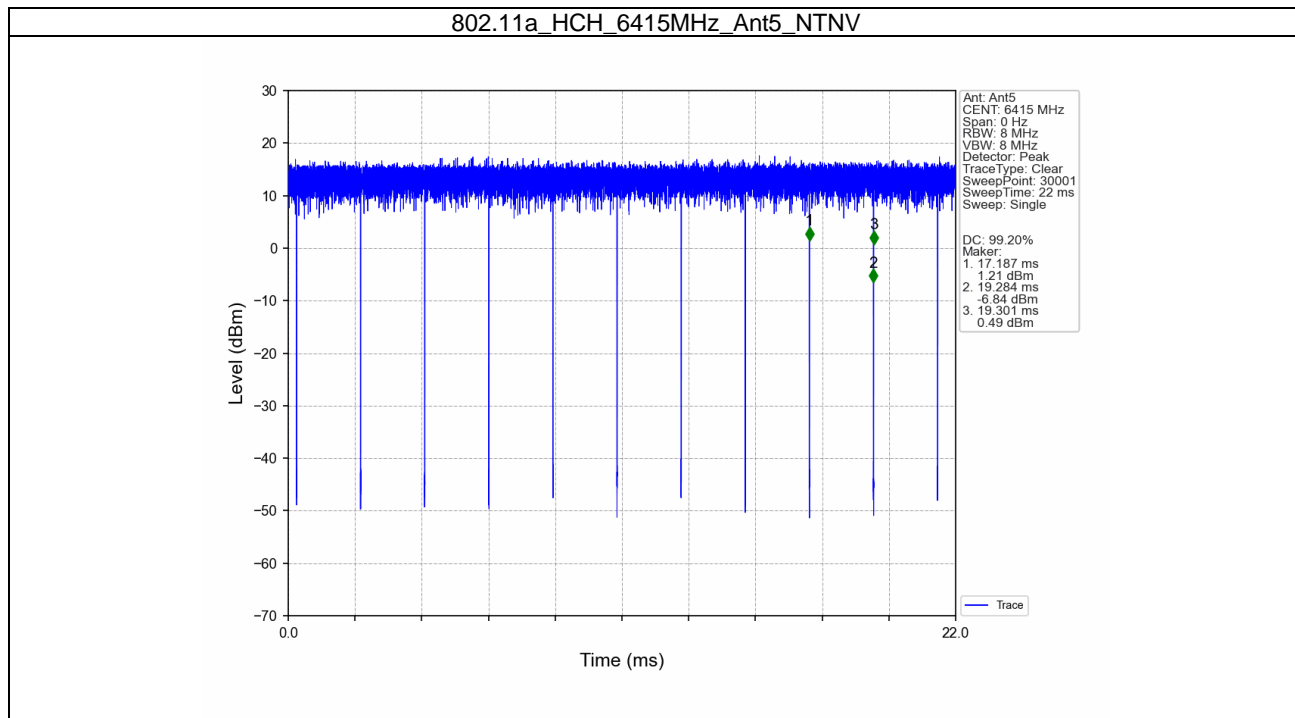


### 1.2 Test Graph

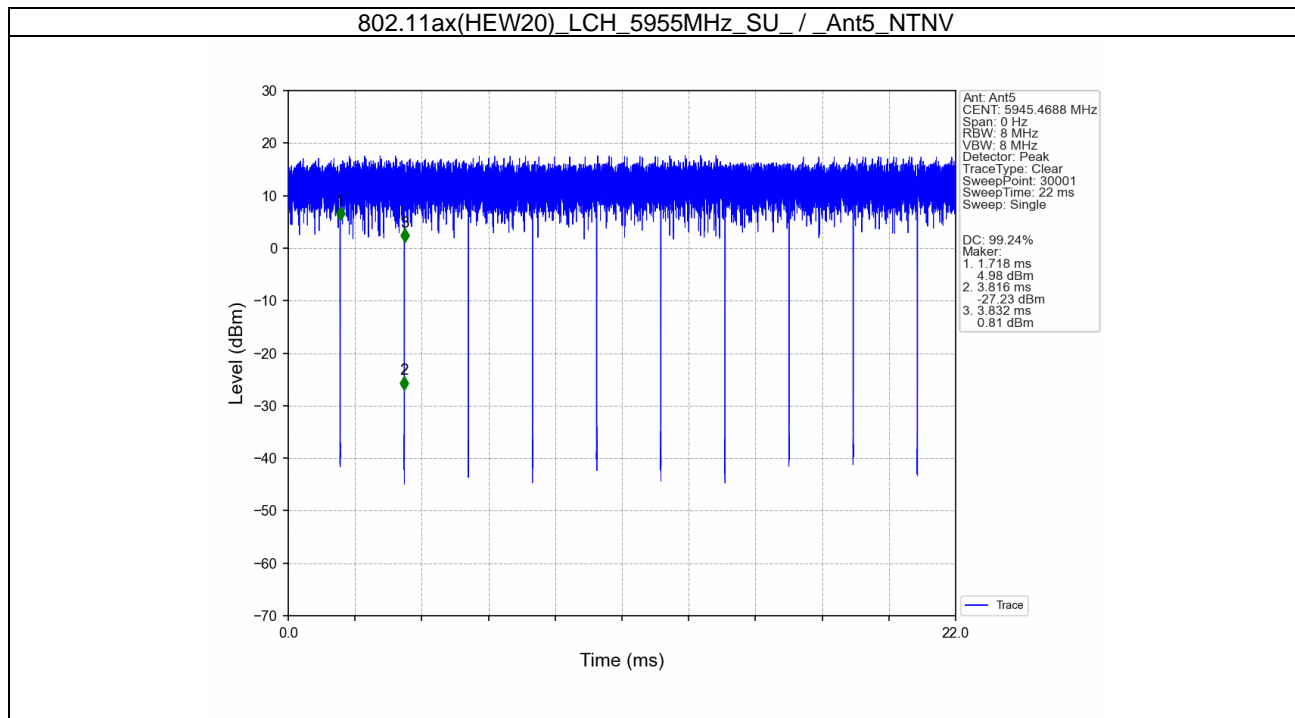
#### 1.2.1 Ant5

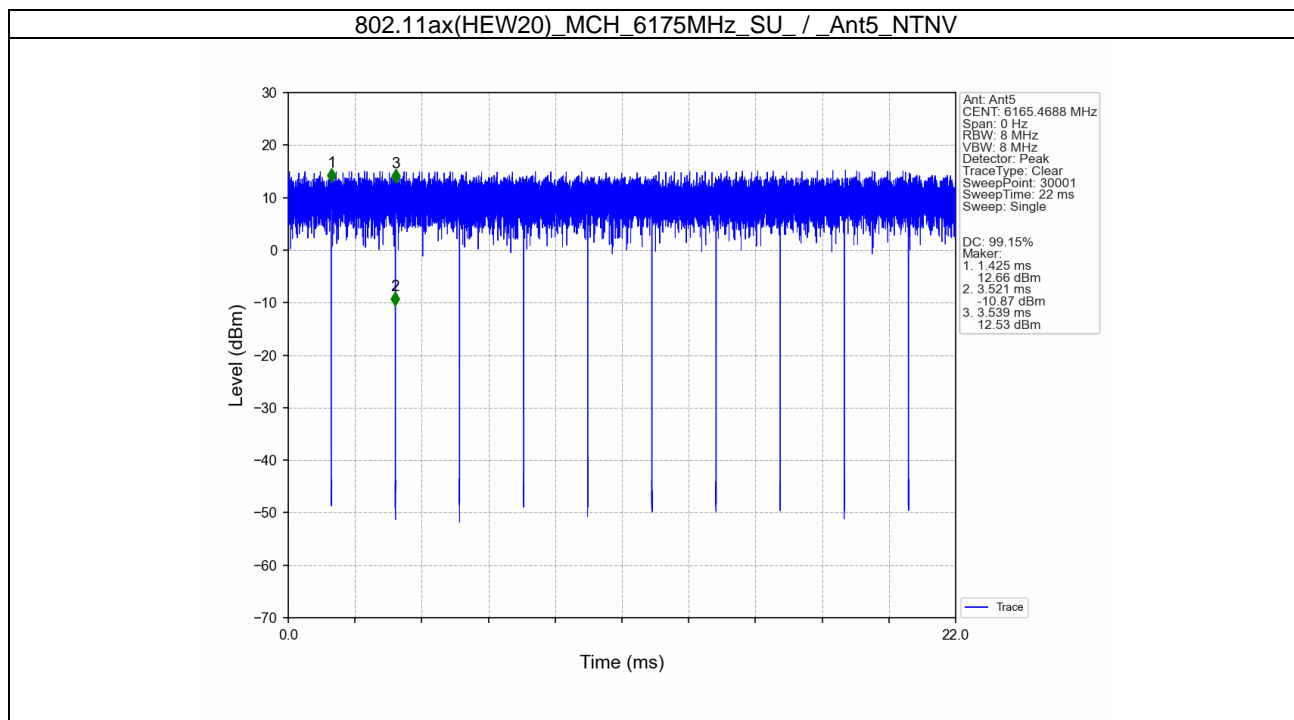


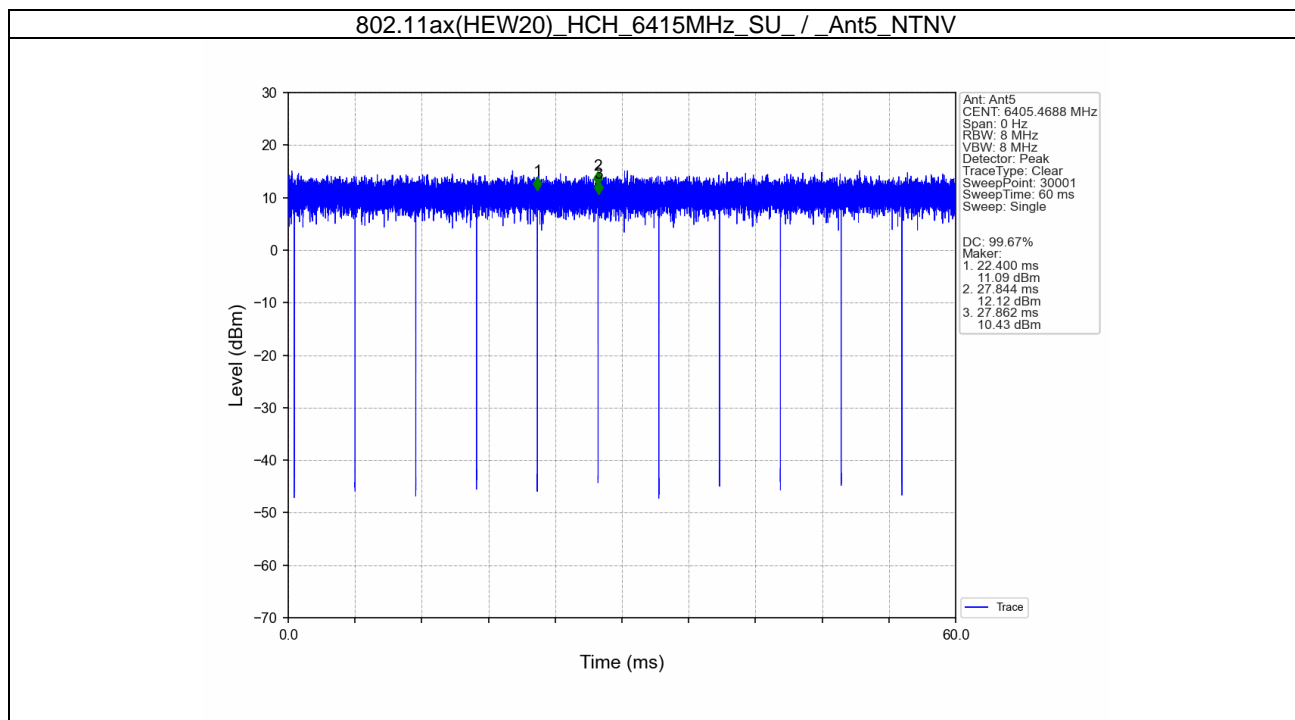


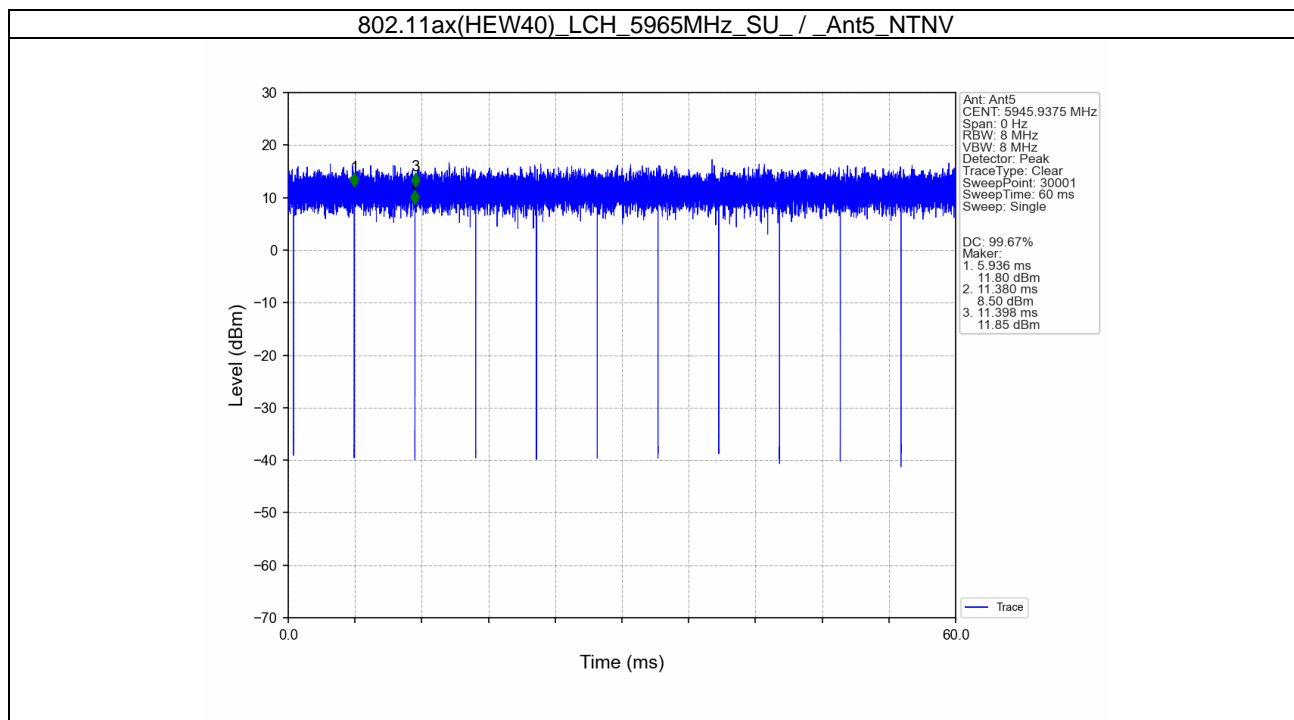


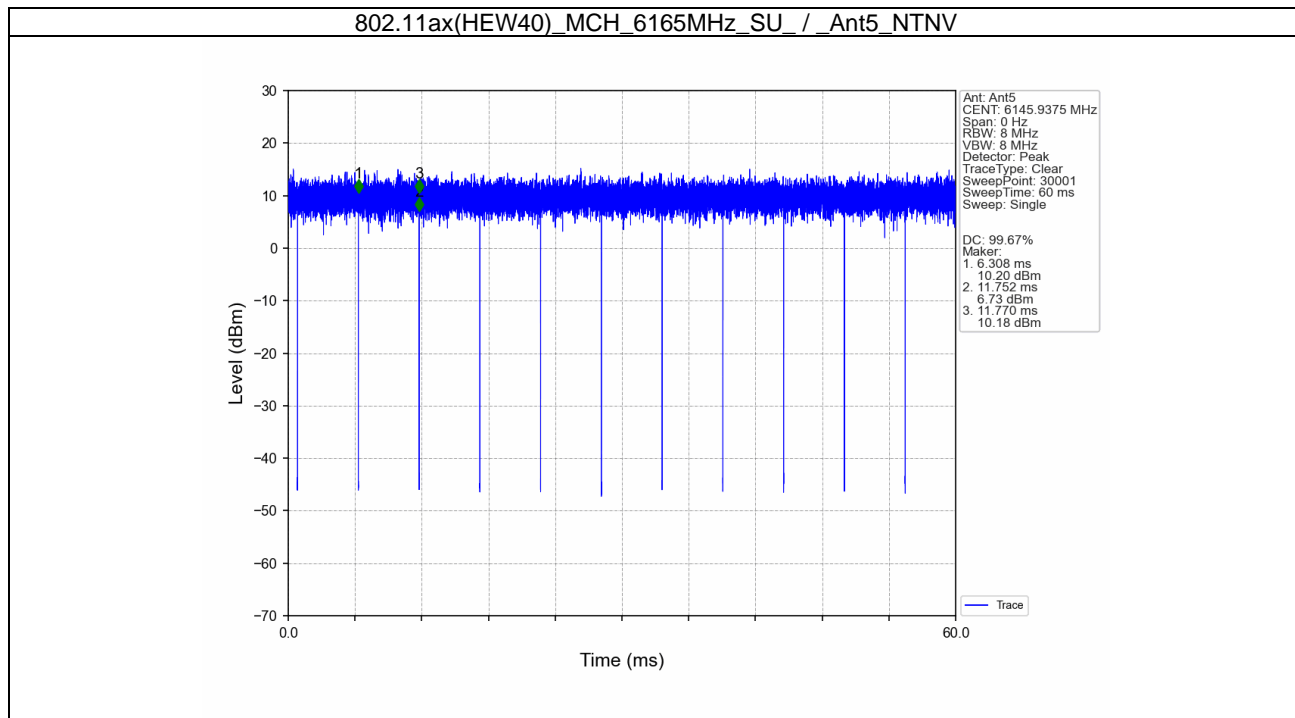






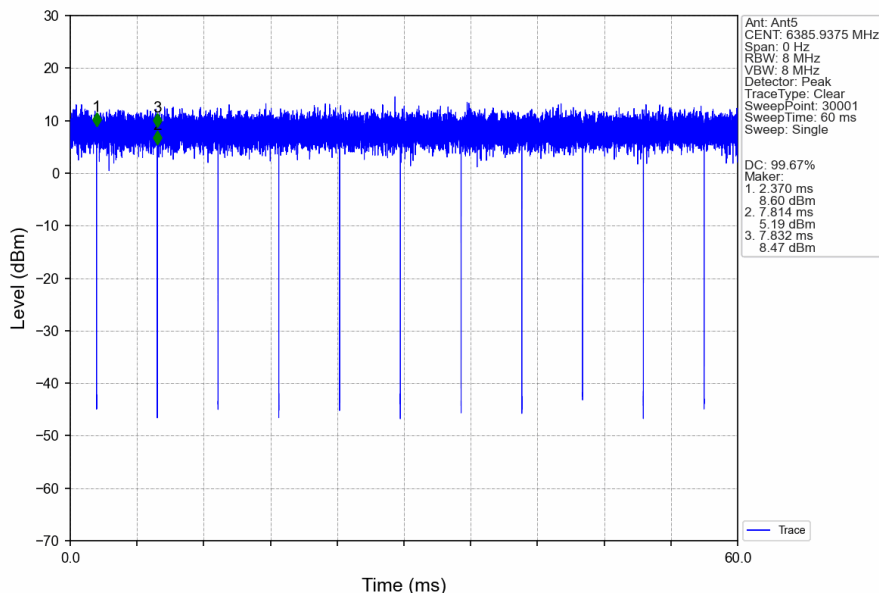




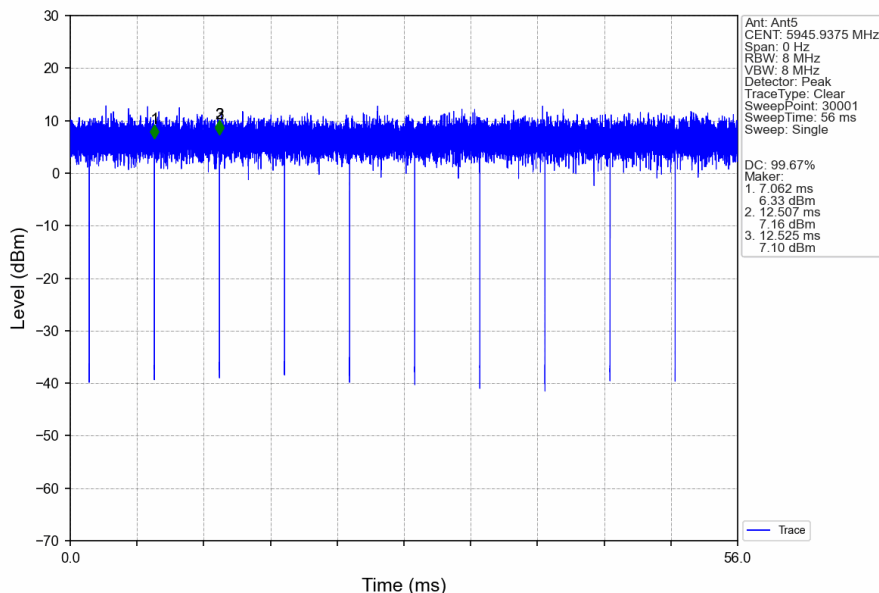




### 802.11ax(HEW40)\_HCH\_6405MHz\_SU\_/\_Ant5\_NTNV



802.11ax(HEW80)\_LCH\_5985MHz\_SU\_/\_Ant5\_NTNV

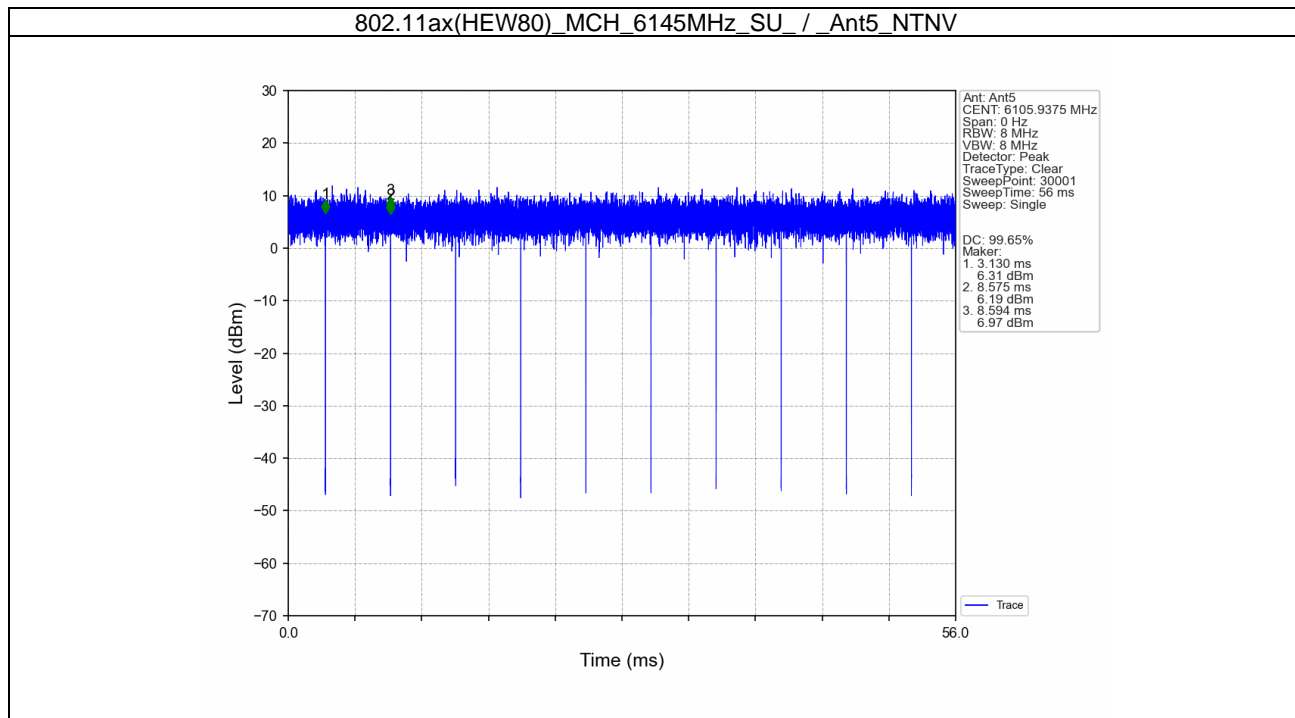


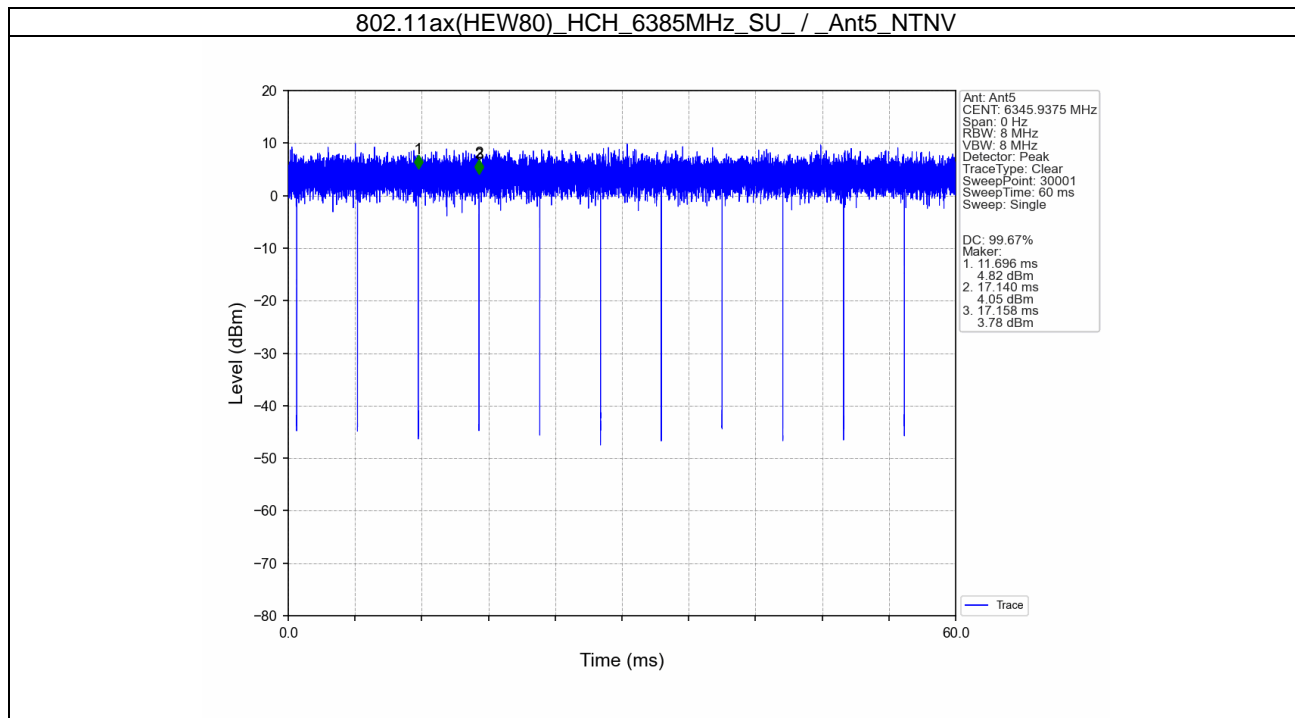
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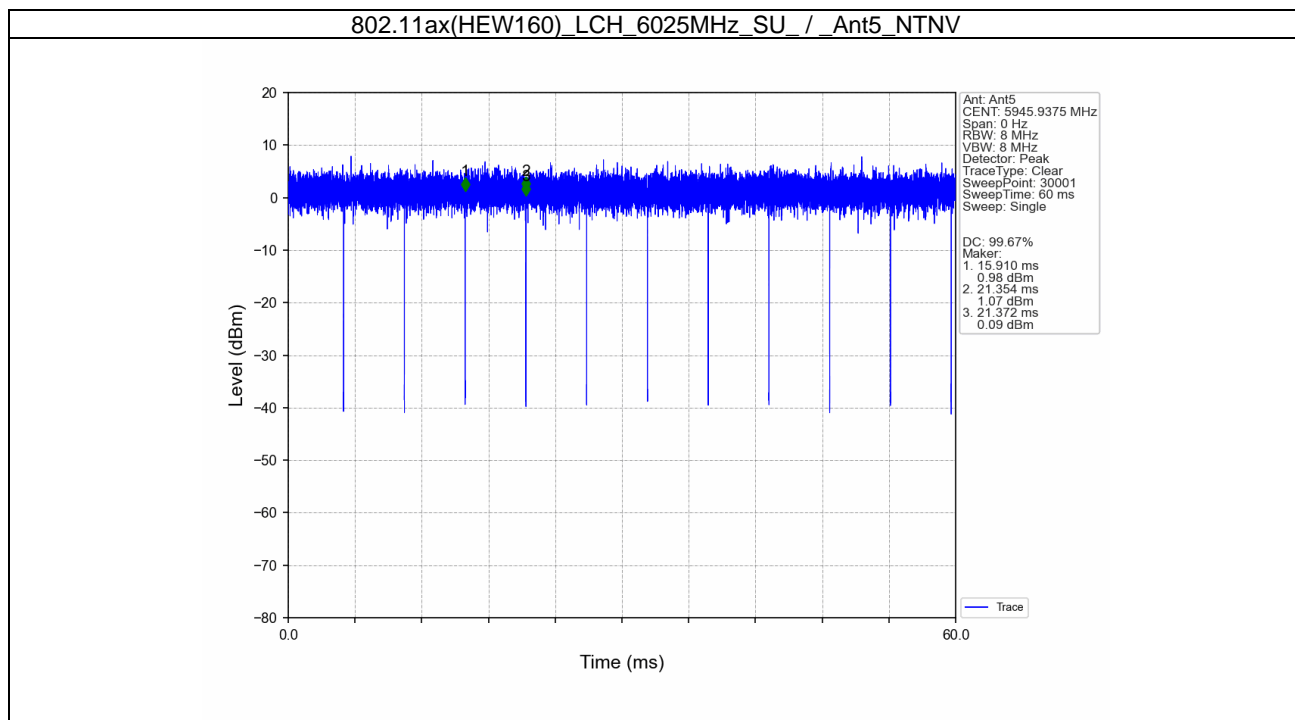
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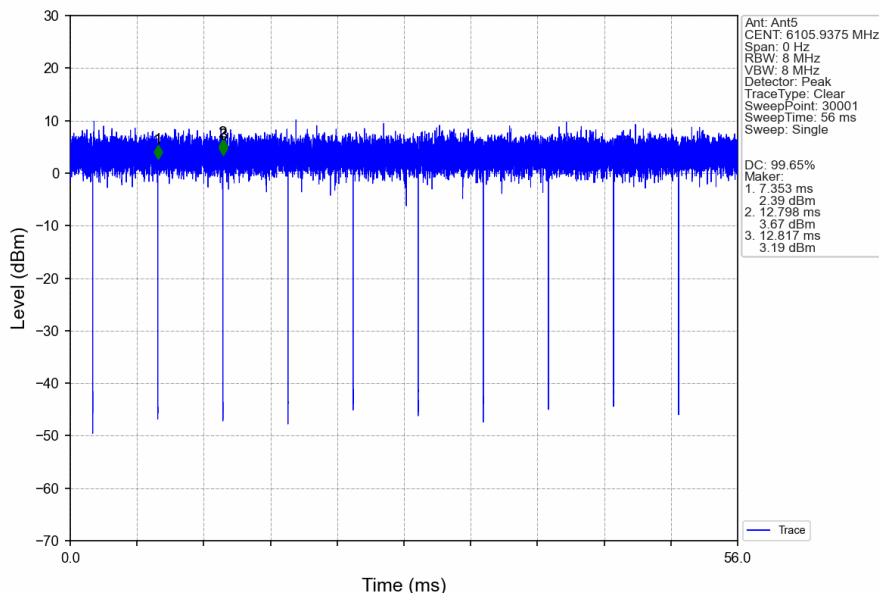




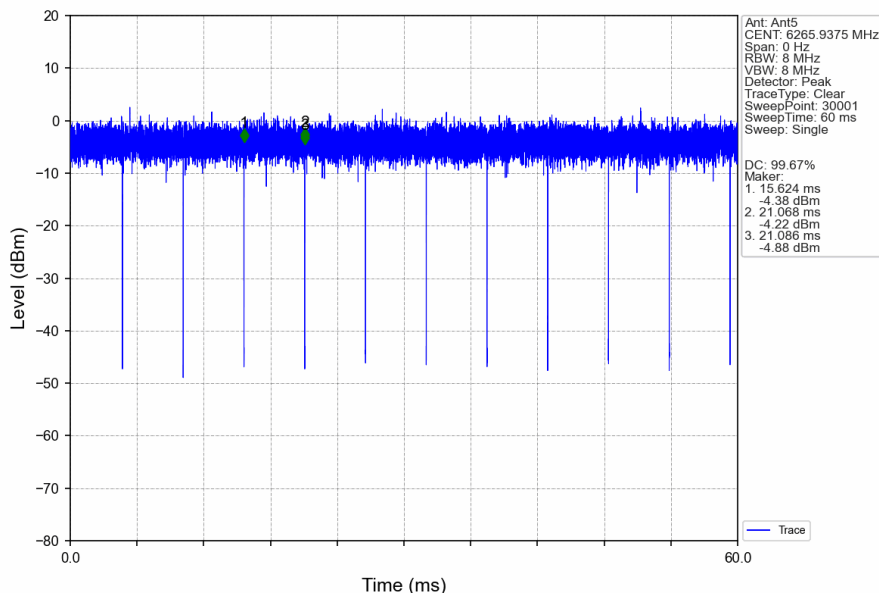




### 802.11ax(HEW160)\_MCH\_6185MHz\_SU\_/\_Ant5\_NTNV



### 802.11ax(HEW160)\_HCH\_6345MHz\_SU\_/\_Ant5\_NTNV



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## 2. Bandwidth

### 2.1 Test Result

#### 2.1.1 OBW

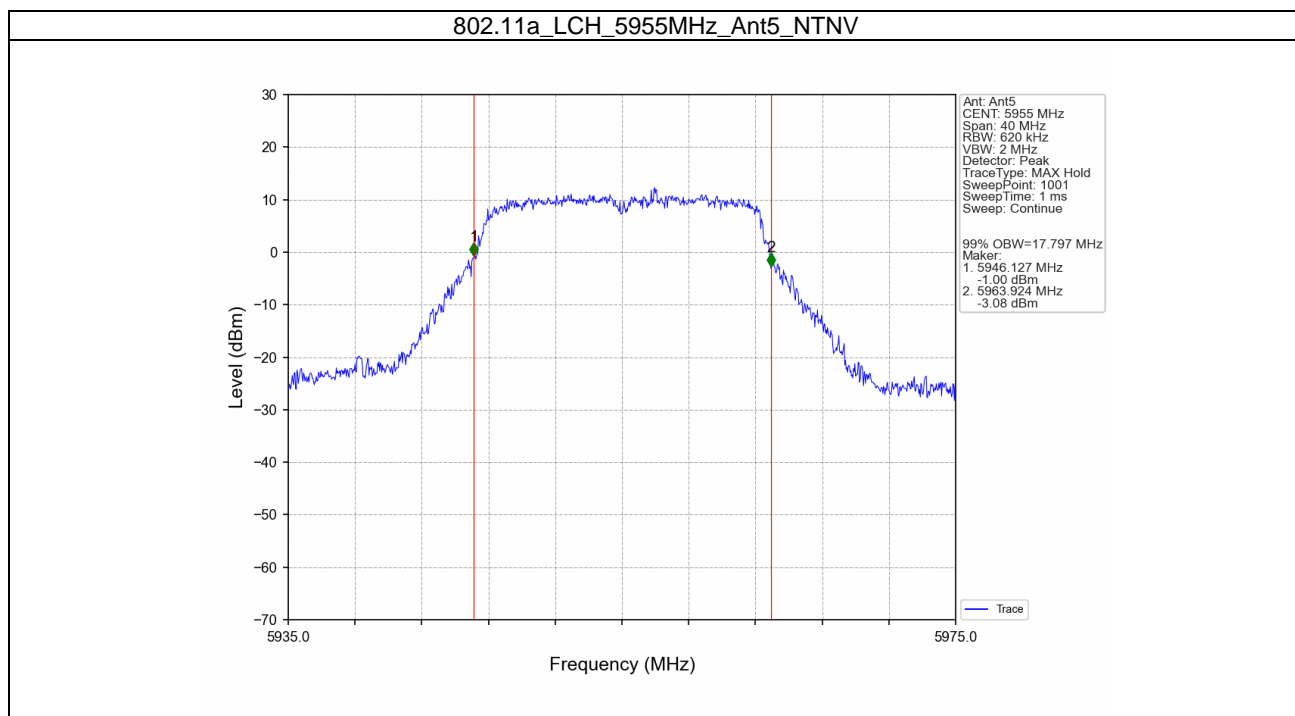
ENV	Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	99% Occupied Bandwidth (MHz)		Verdict
							Result	Limit	
NTNV	802.11a	MIMO	5955	/	/	5	17.797	<=320	Pass
			6175	/	/	5	17.986	<=320	Pass
			6415	/	/	5	17.962	<=320	Pass
	802.11ax (HEW20)	MIMO	5955	SU	/	5	17.927	<=320	Pass
			6175	SU	/	5	17.973	<=320	Pass
			6415	SU	/	5	19.223	<=320	Pass
	802.11ax (HEW40)	MIMO	5965	SU	/	5	38.204	<=320	Pass
			6165	SU	/	5	38.285	<=320	Pass
			6405	SU	/	5	38.088	<=320	Pass
	802.11ax (HEW80)	MIMO	5985	SU	/	5	77.920	<=320	Pass
			6145	SU	/	5	78.409	<=320	Pass
			6385	SU	/	5	78.017	<=320	Pass
	802.11ax (HEW160)	MIMO	6025	SU	/	5	156.719	<=320	Pass
			6185	SU	/	5	156.569	<=320	Pass
			6345	SU	/	5	153.641	<=320	Pass

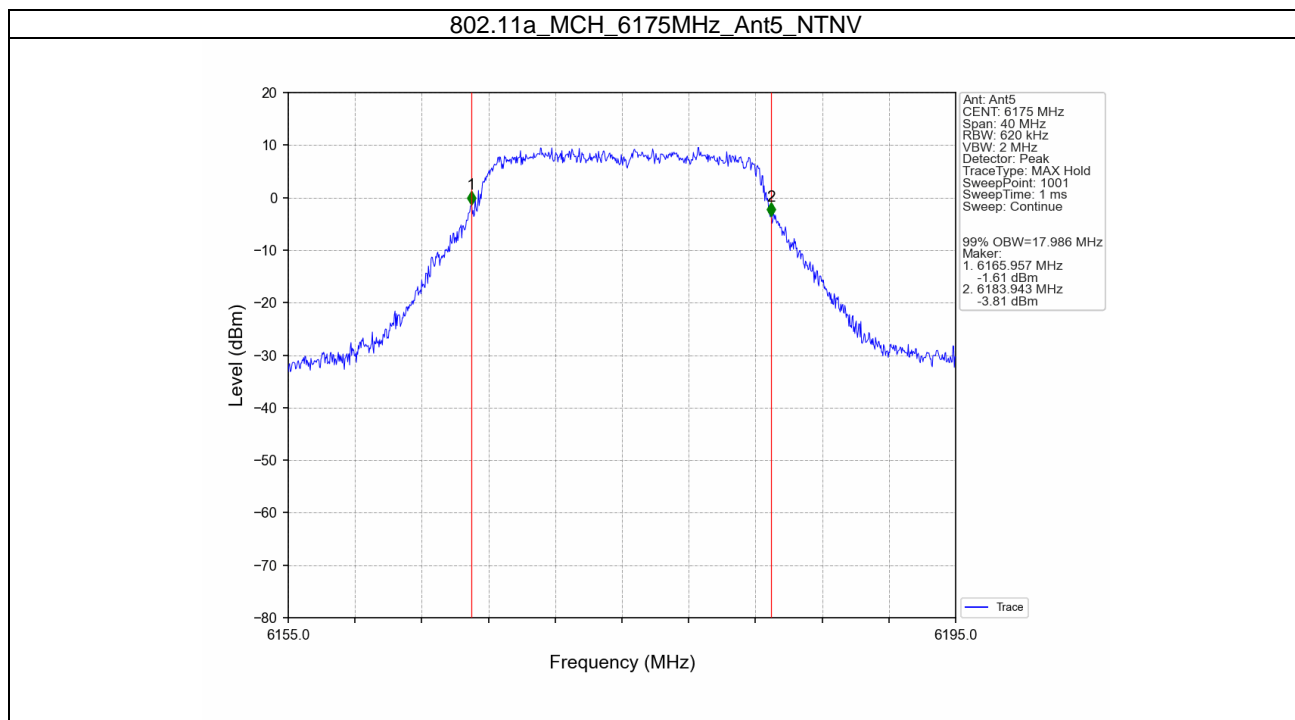
#### 2.1.2 26dB BW

ENV	Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	26dB Bandwidth (MHz)		Verdict
							Result	Limit	
NTNV	802.11a	MIMO	5955	/	/	5	23.454	/	Pass
			6175	/	/	5	23.351	/	Pass
			6415	/	/	5	23.593	/	Pass
	802.11ax (HEW20)	MIMO	5955	SU	/	5	23.853	/	Pass
			6175	SU	/	5	23.596	/	Pass
			6415	SU	/	5	23.399	/	Pass
	802.11ax (HEW40)	MIMO	5965	SU	/	5	44.079	/	Pass
			6165	SU	/	5	42.478	/	Pass
			6405	SU	/	5	43.593	/	Pass
	802.11ax (HEW80)	MIMO	5985	SU	/	5	84.428	/	Pass
			6145	SU	/	5	87.322	/	Pass
			6385	SU	/	5	87.861	/	Pass
	802.11ax (HEW160)	MIMO	6025	SU	/	5	172.249	/	Pass
			6185	SU	/	5	169.568	/	Pass
			6345	SU	/	5	168.199	/	Pass

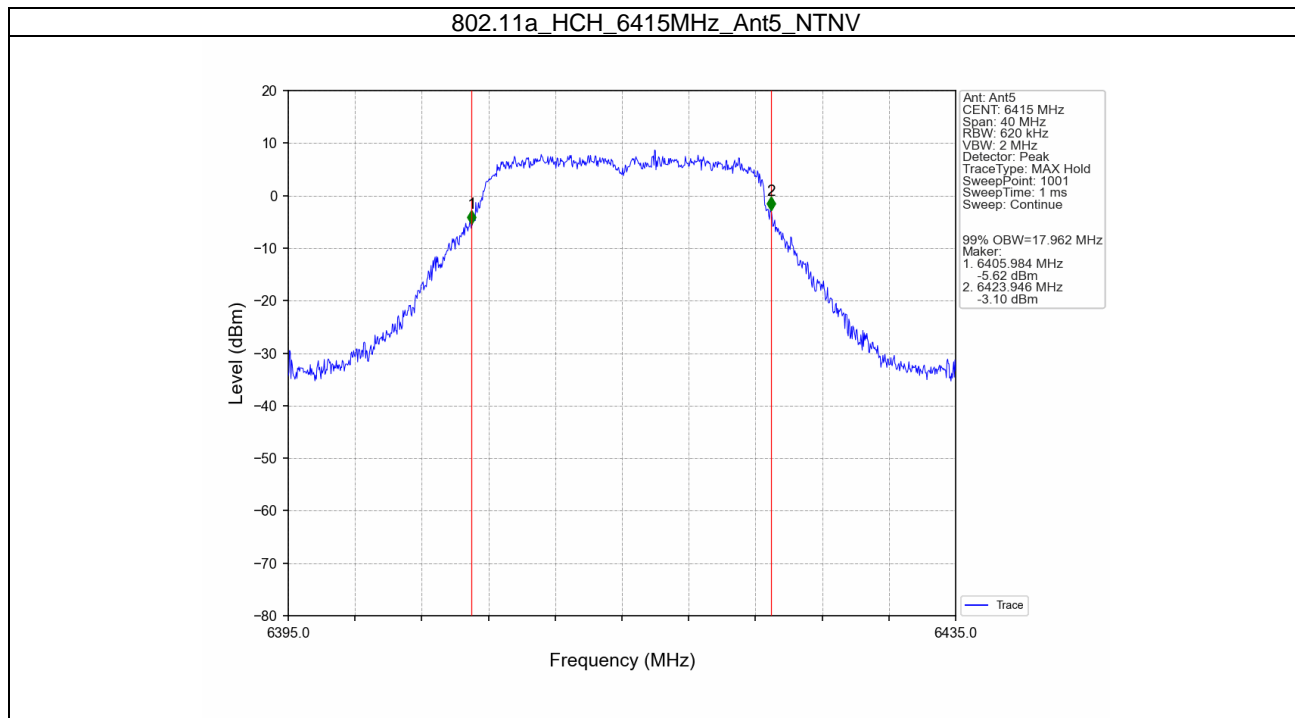
## 2.2 Test Graph

### 2.2.1 OBW

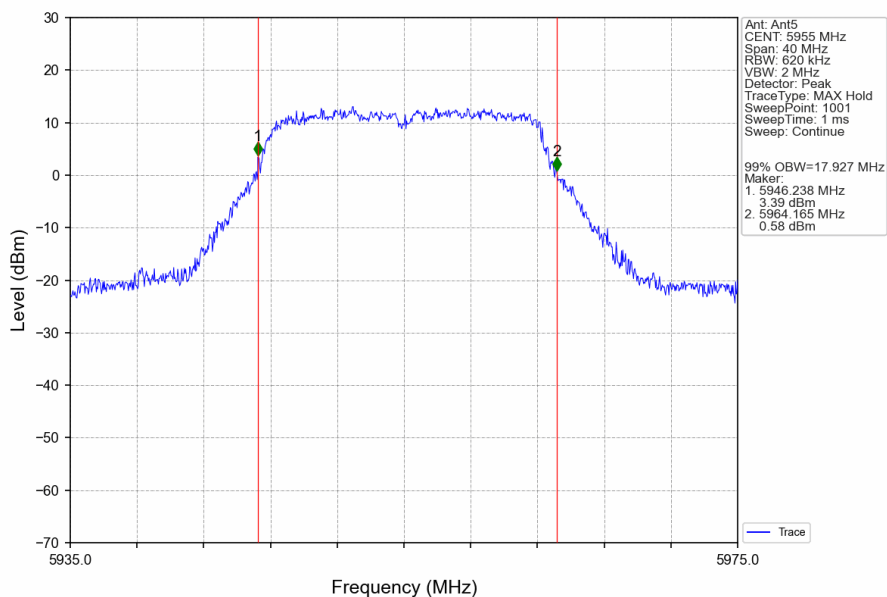


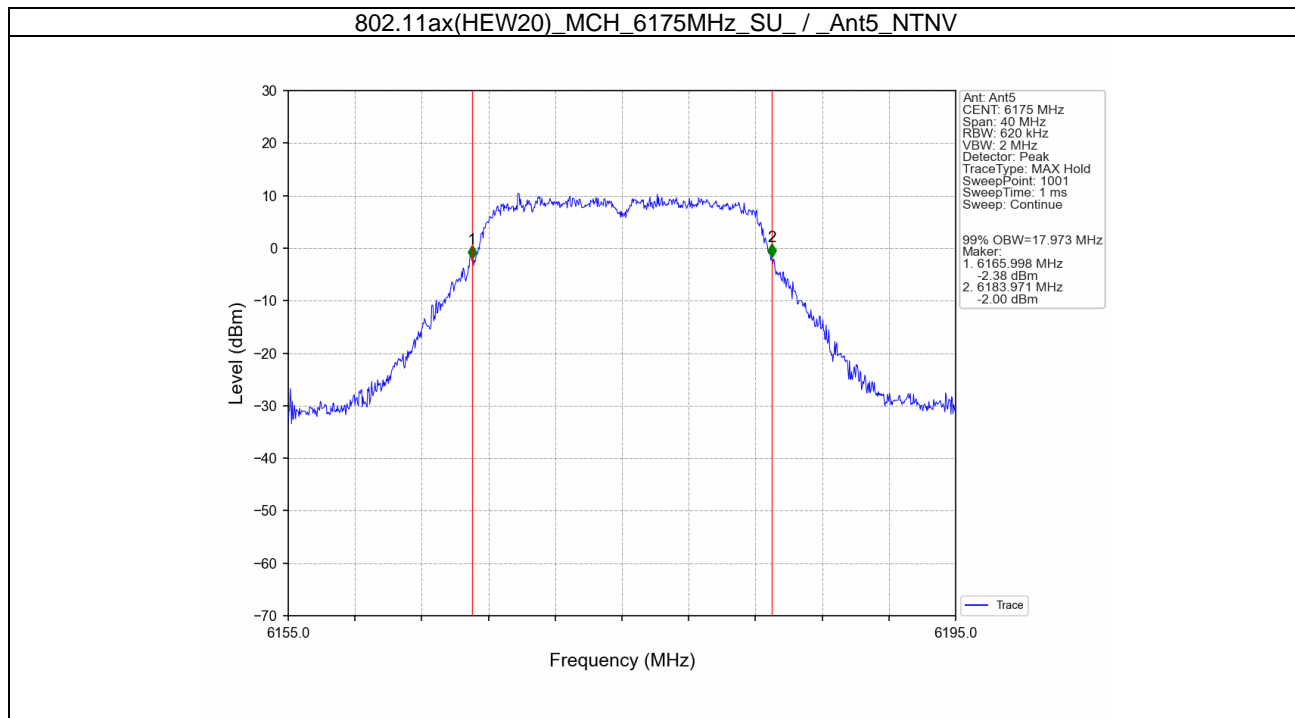


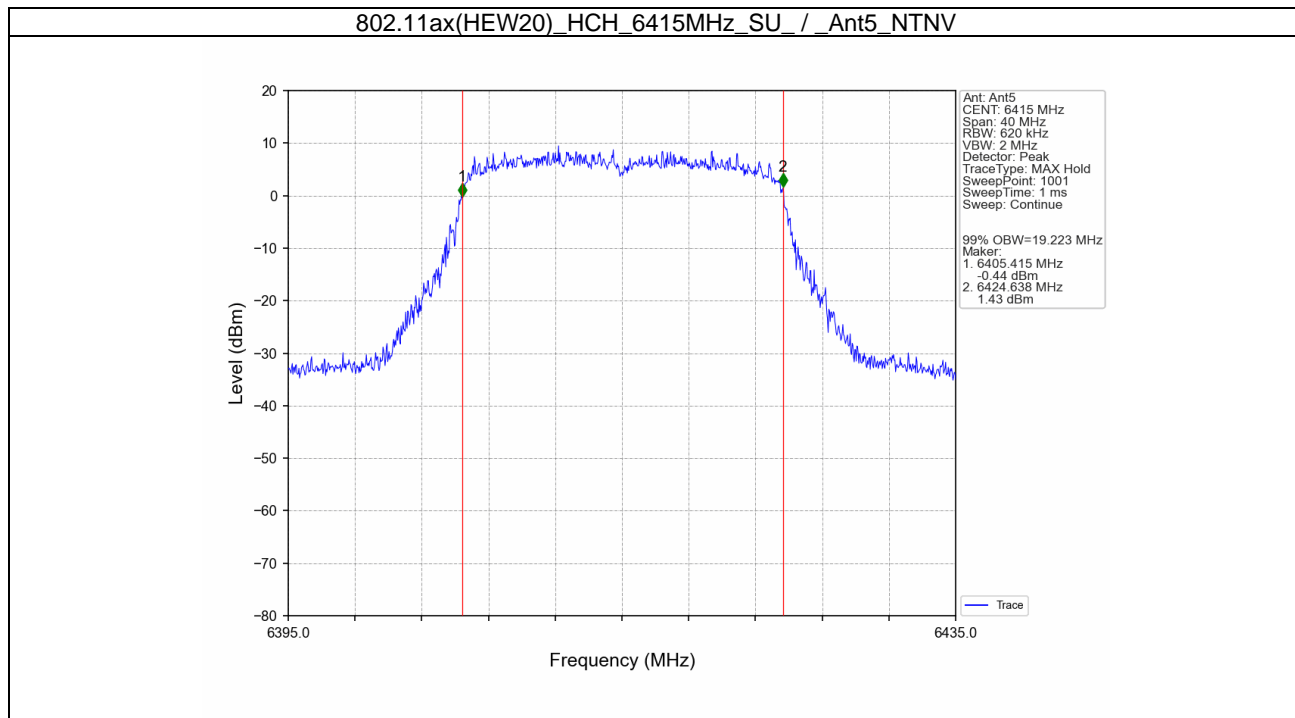


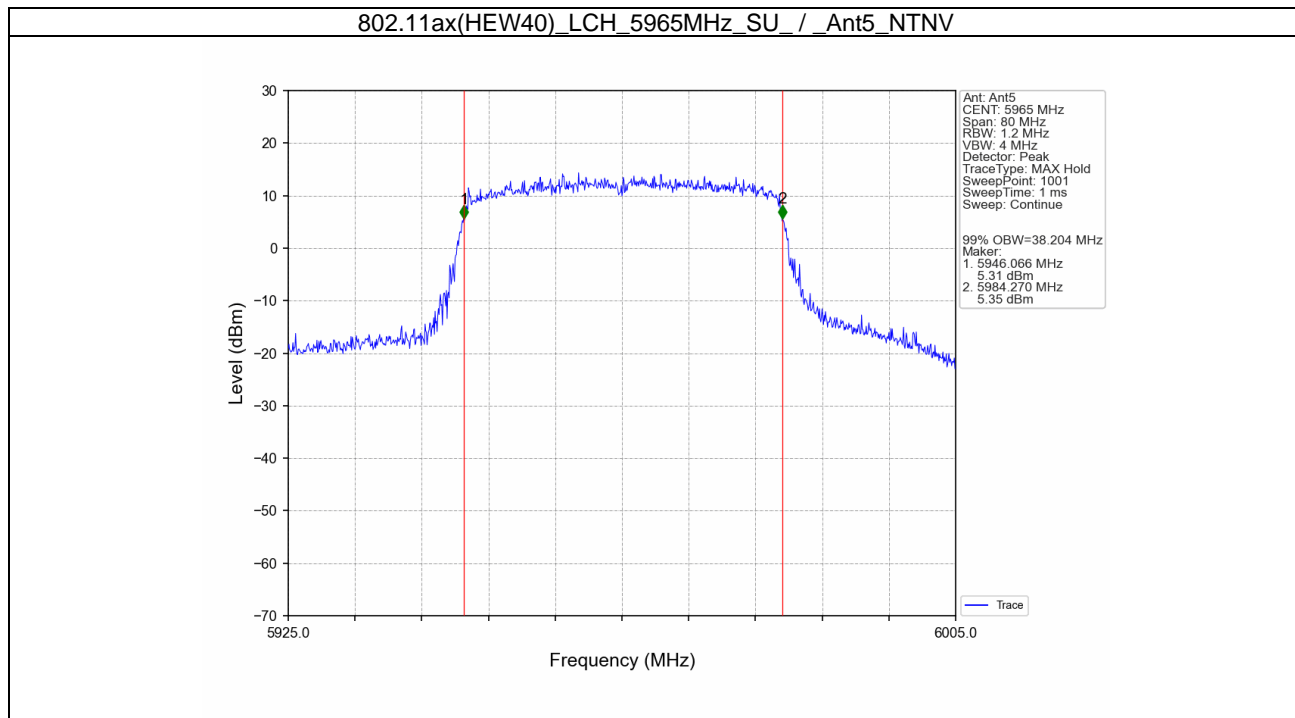


802.11ax(HEW20)\_LCH\_5955MHz\_SU\_/\_Ant5\_NTNV

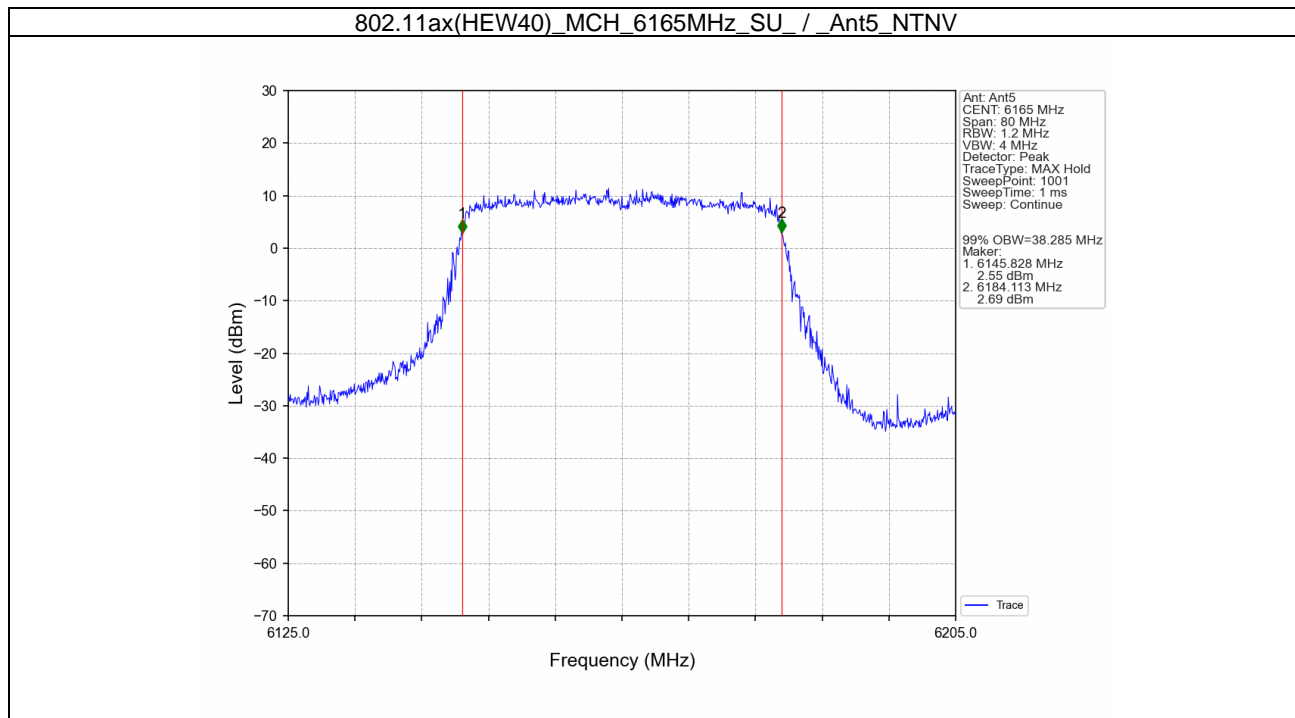


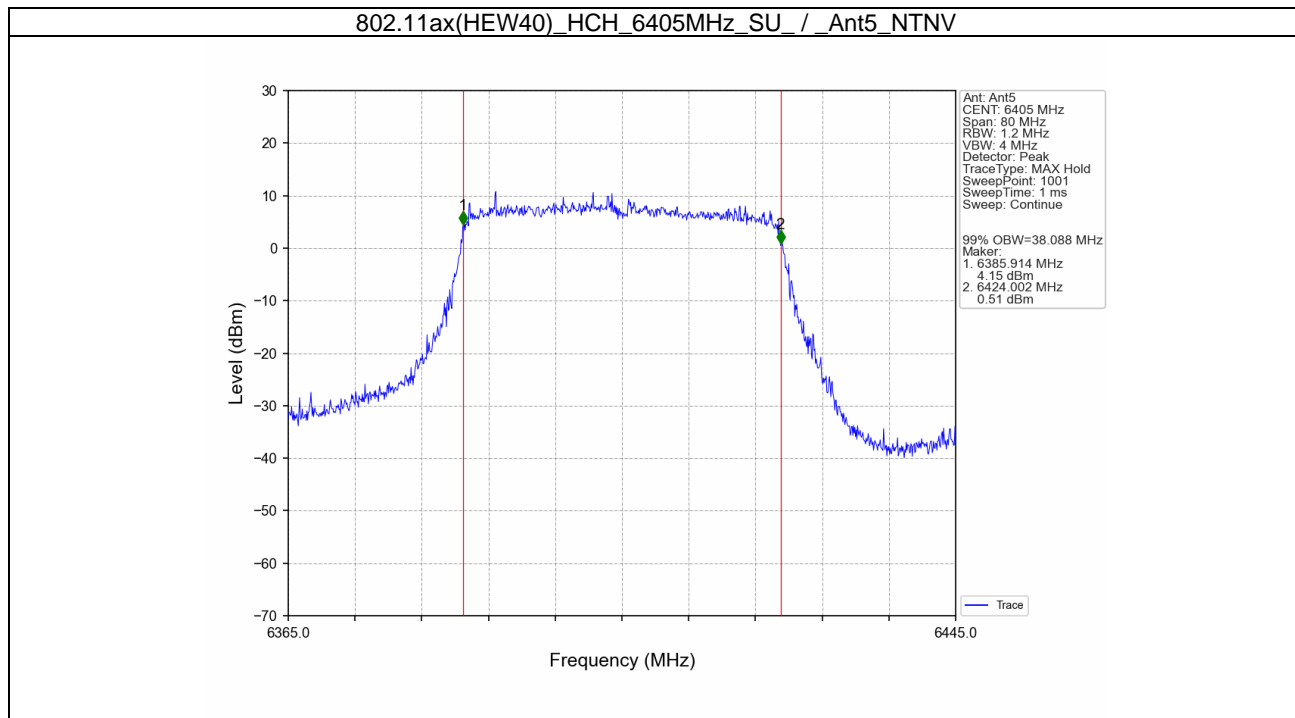


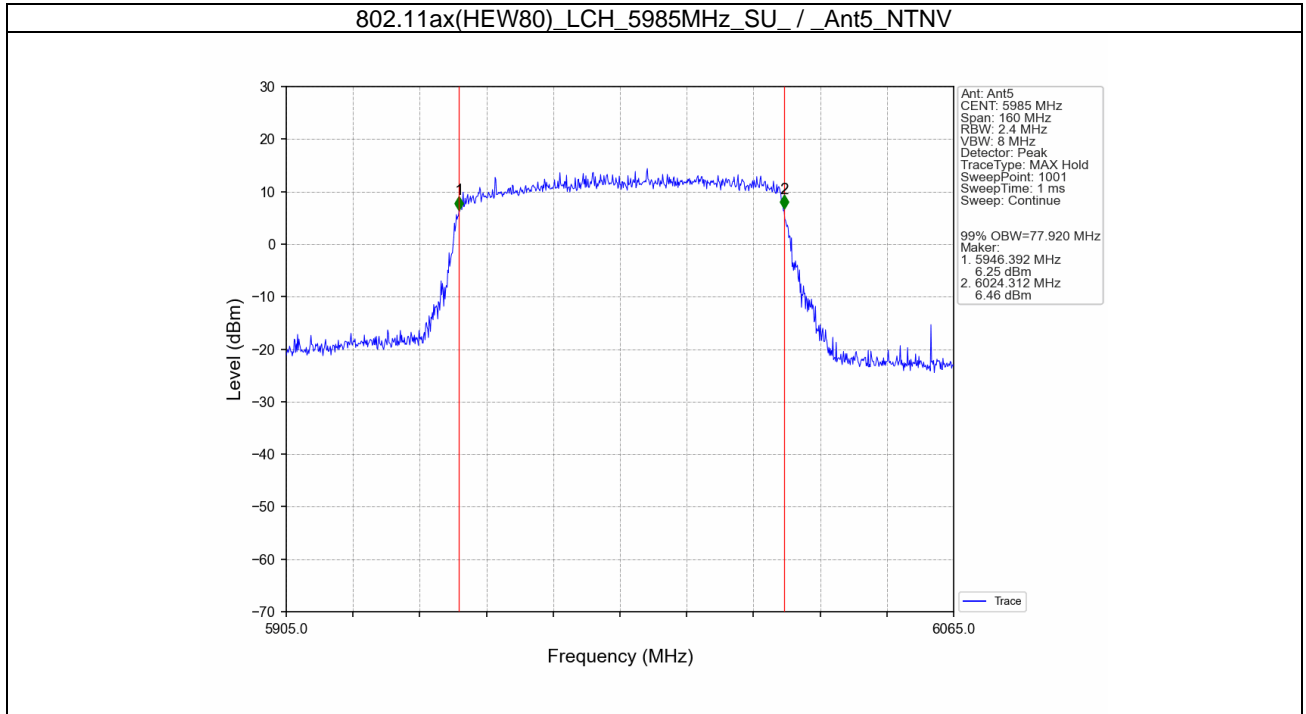


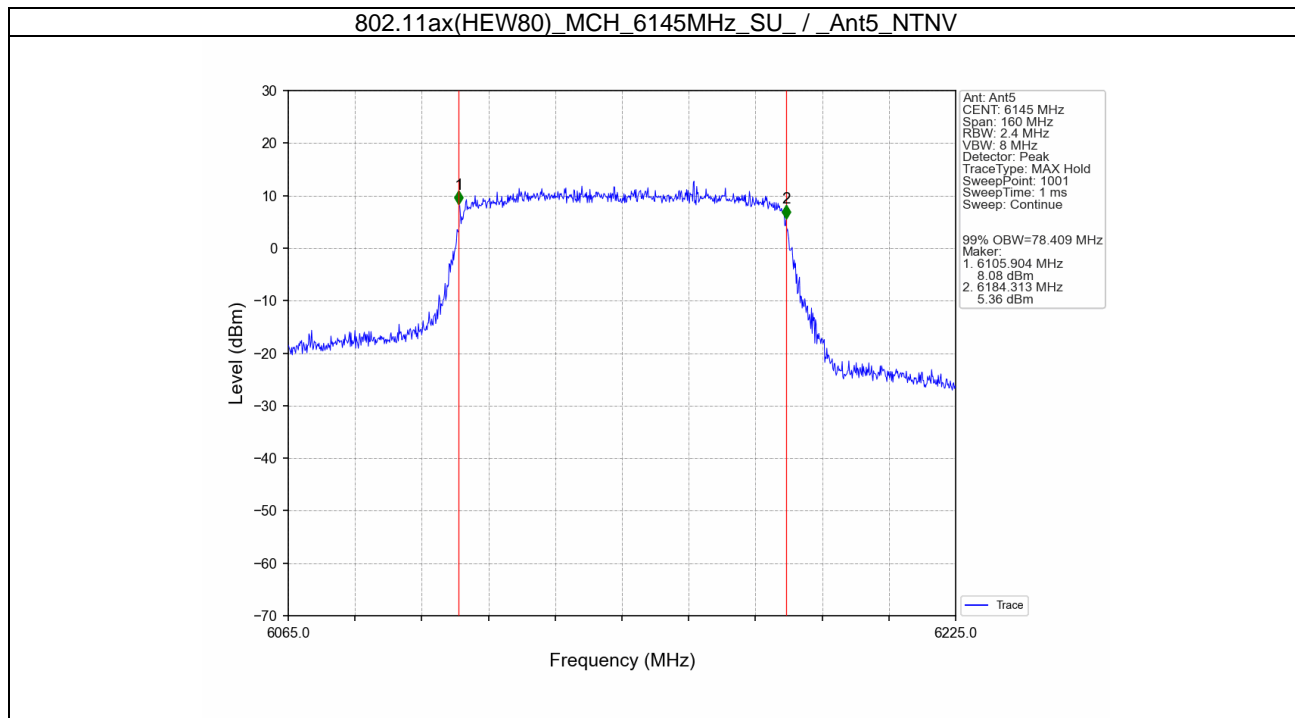


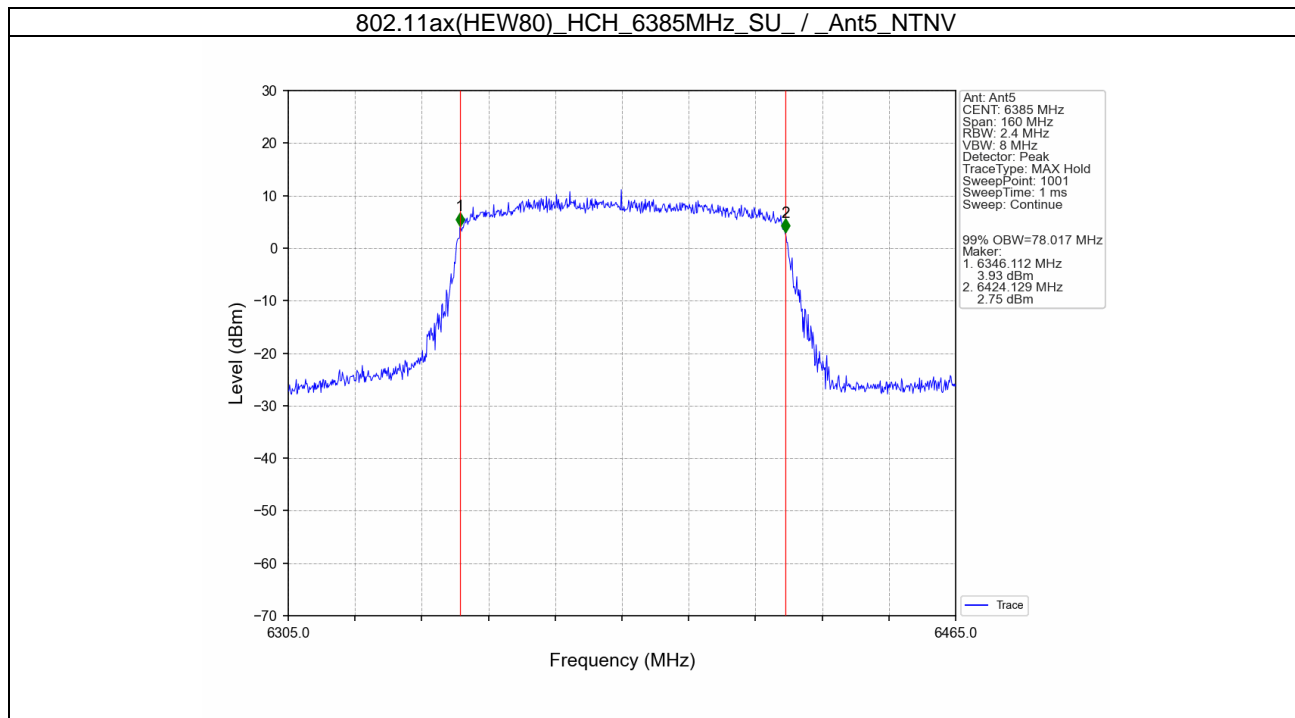




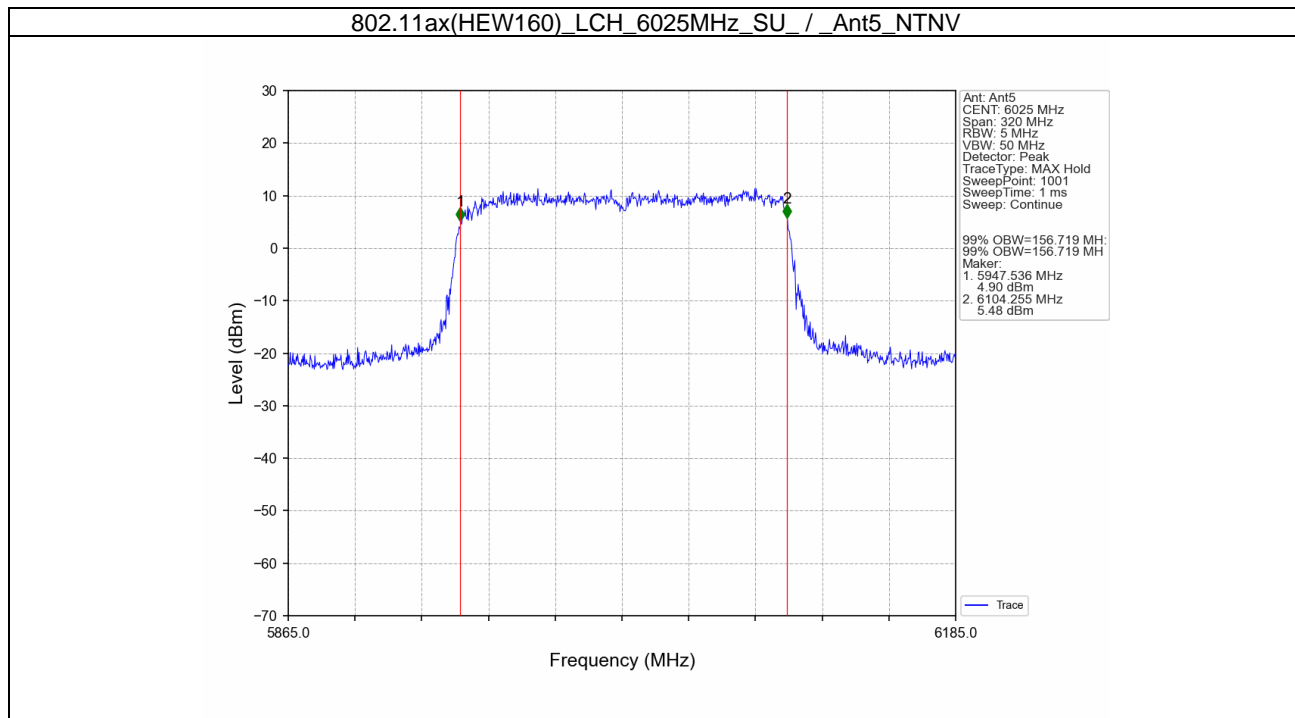


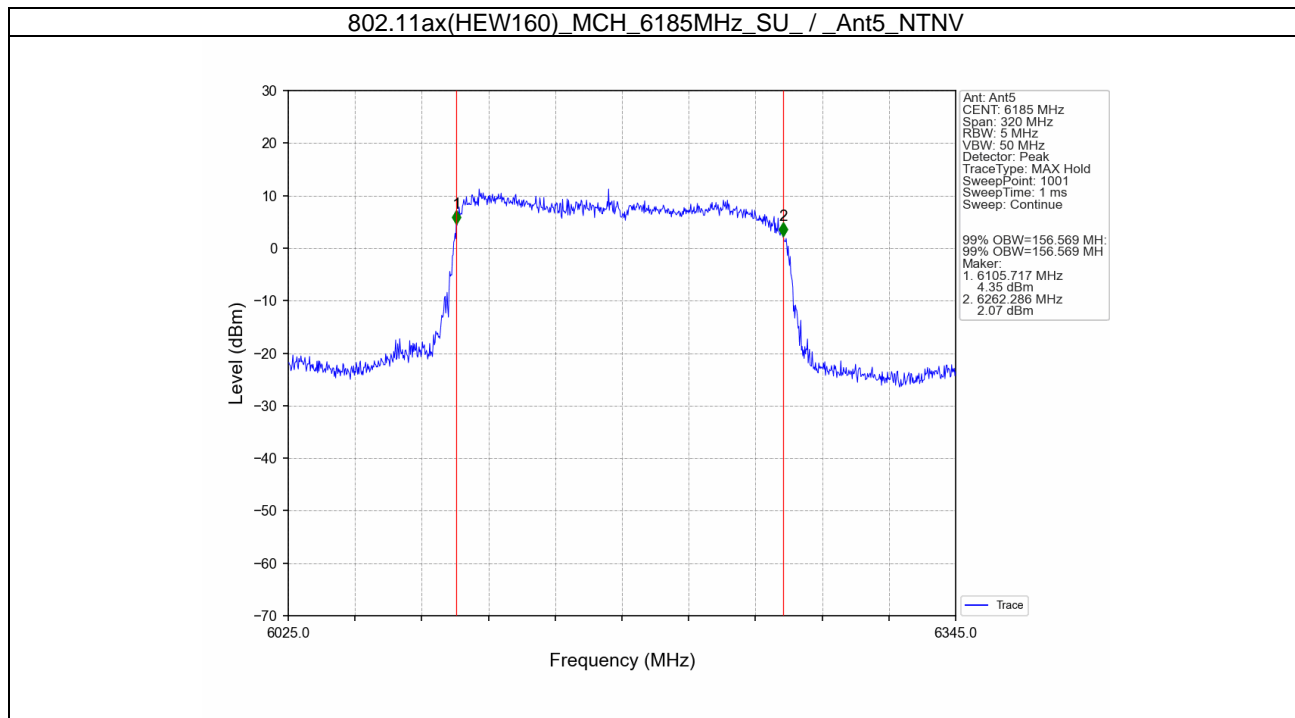


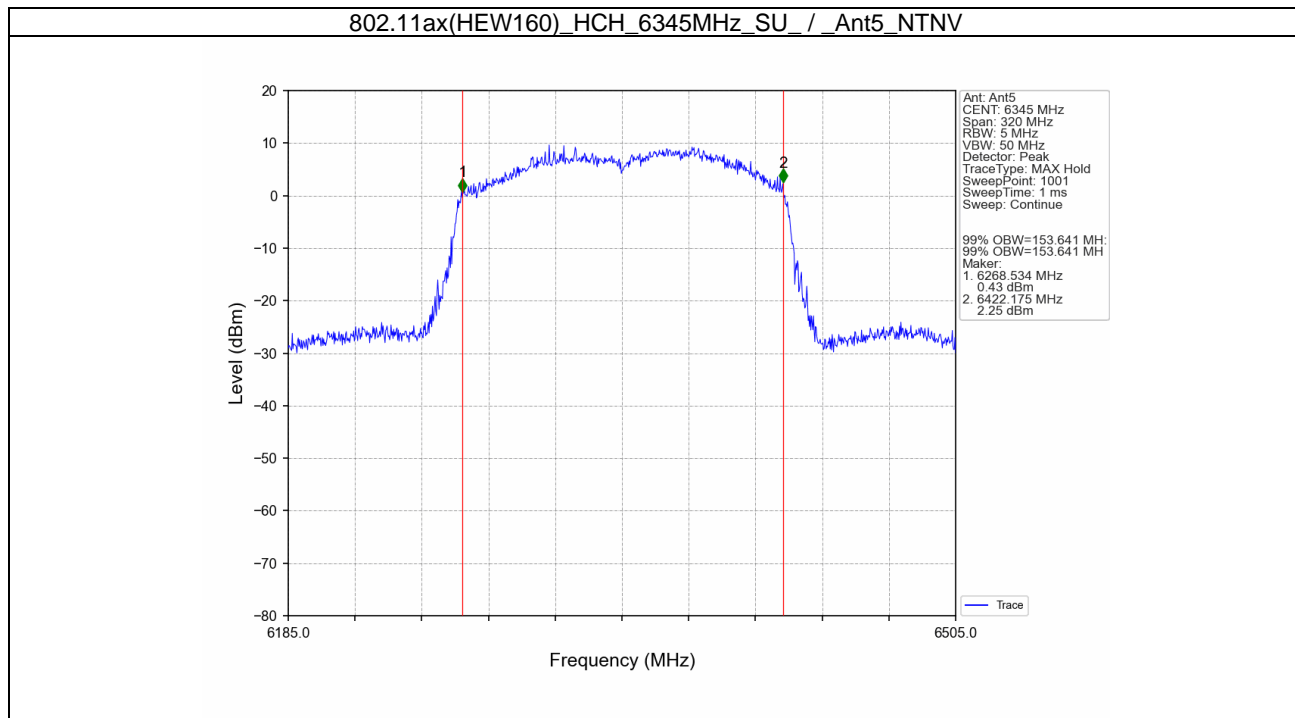




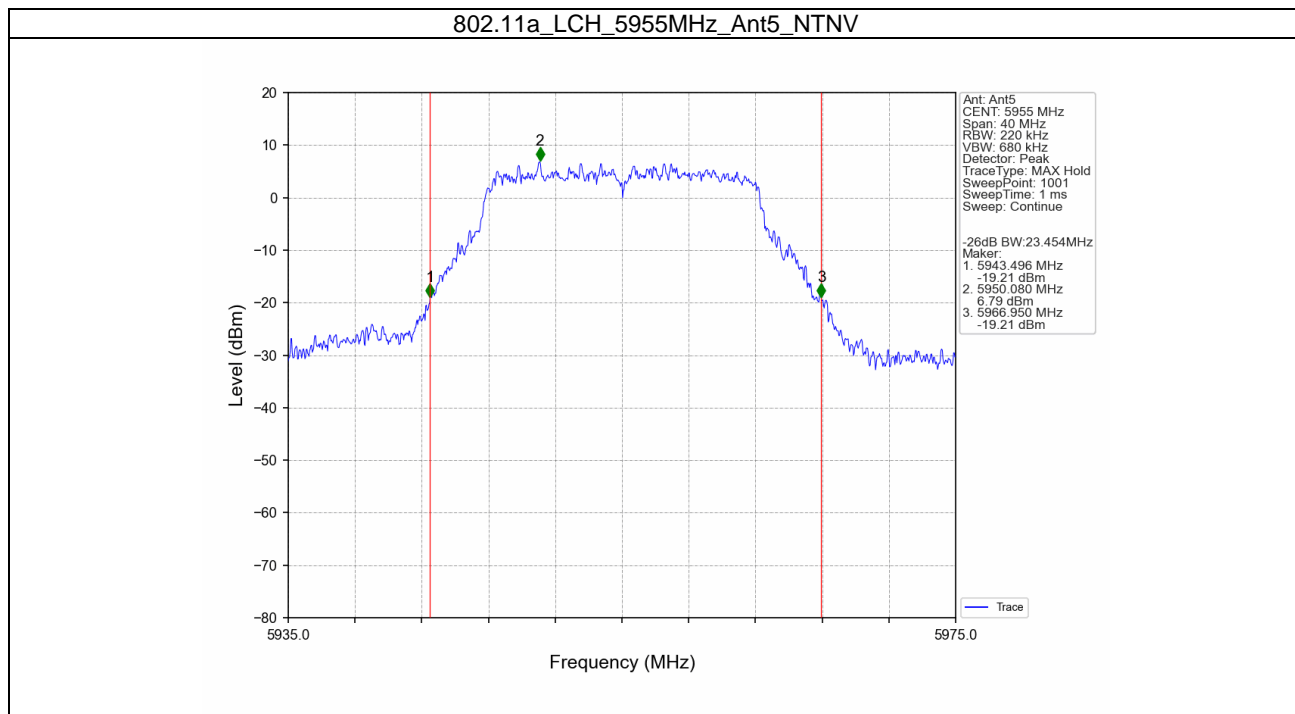


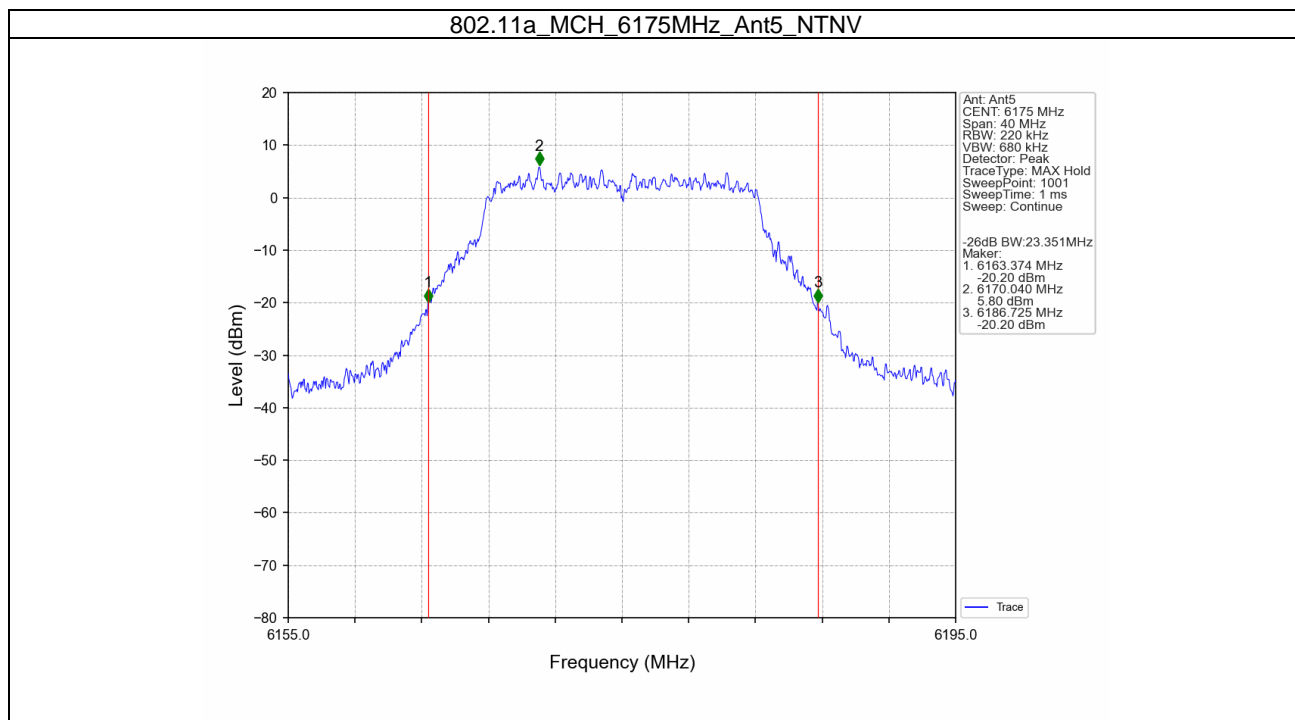




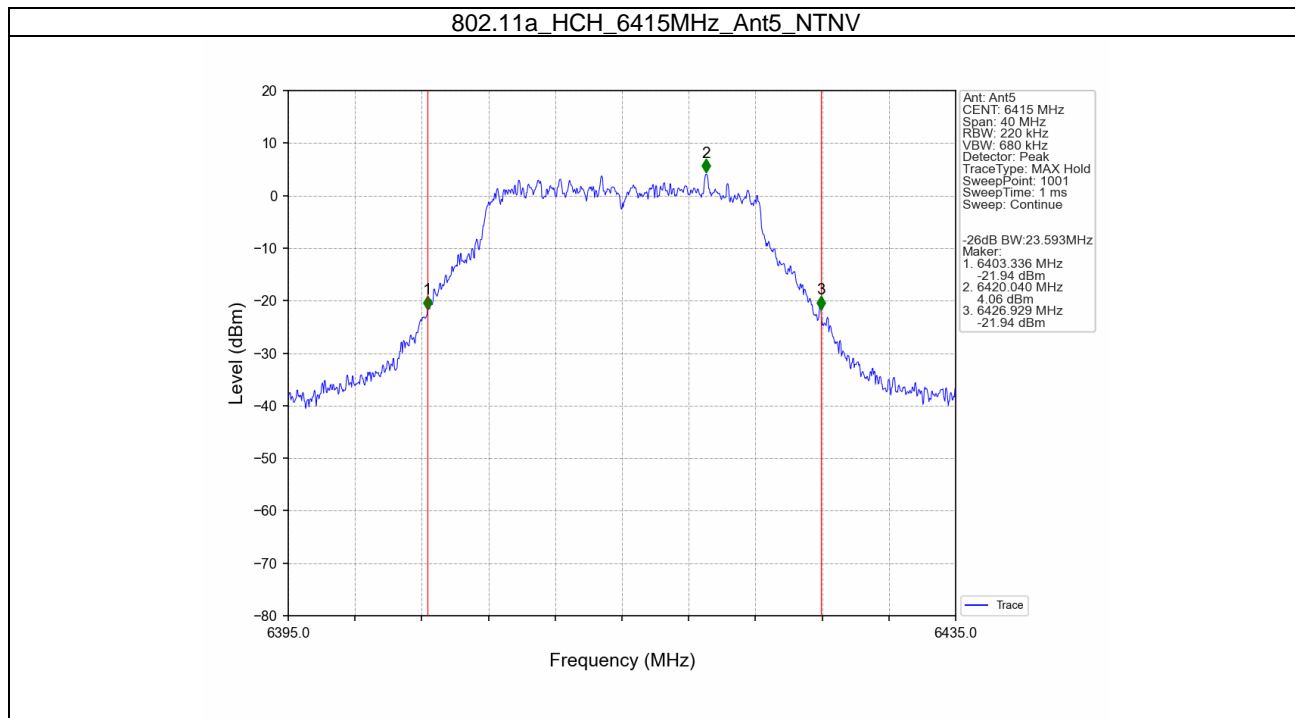


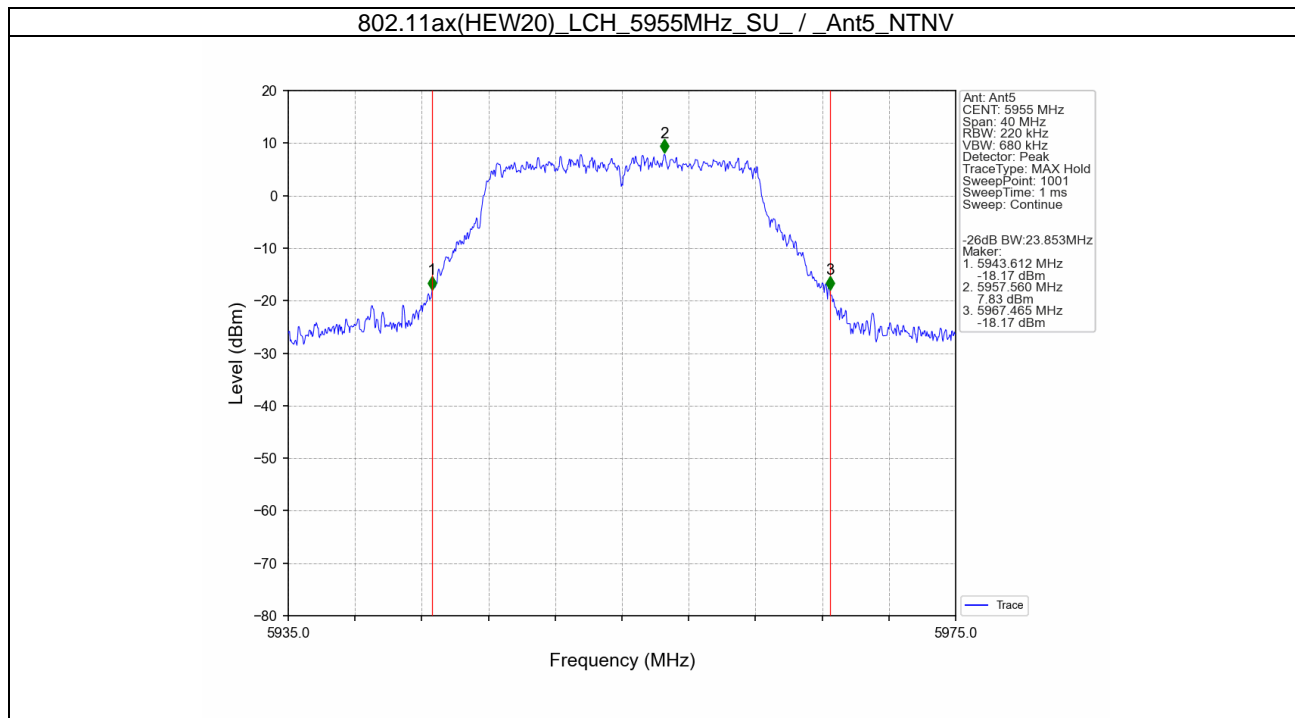
### 2.2.2 26dB BW

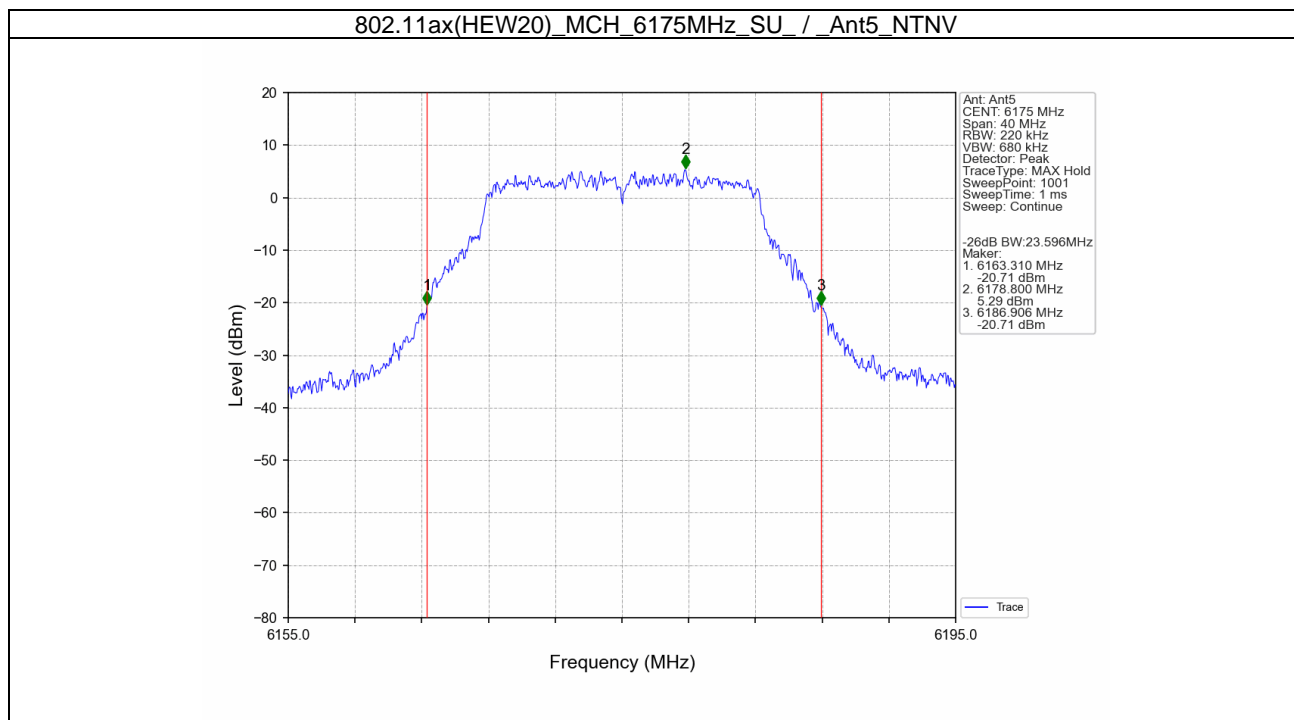


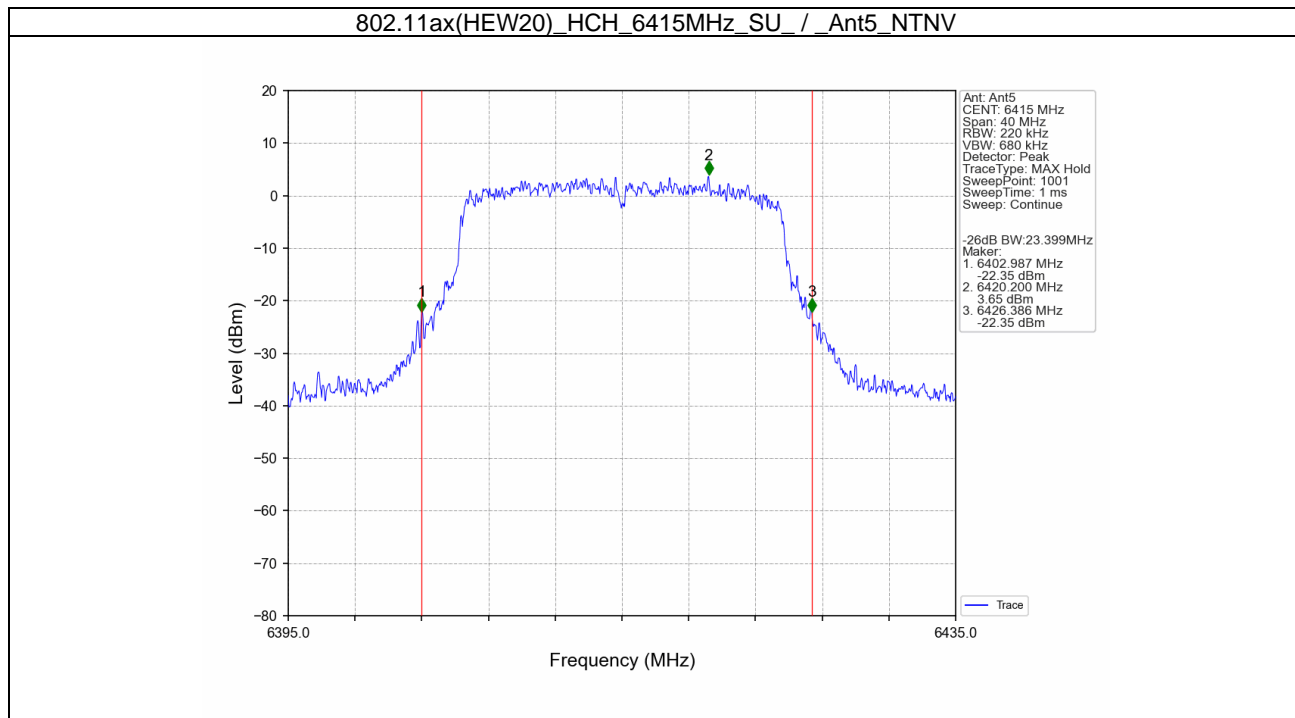




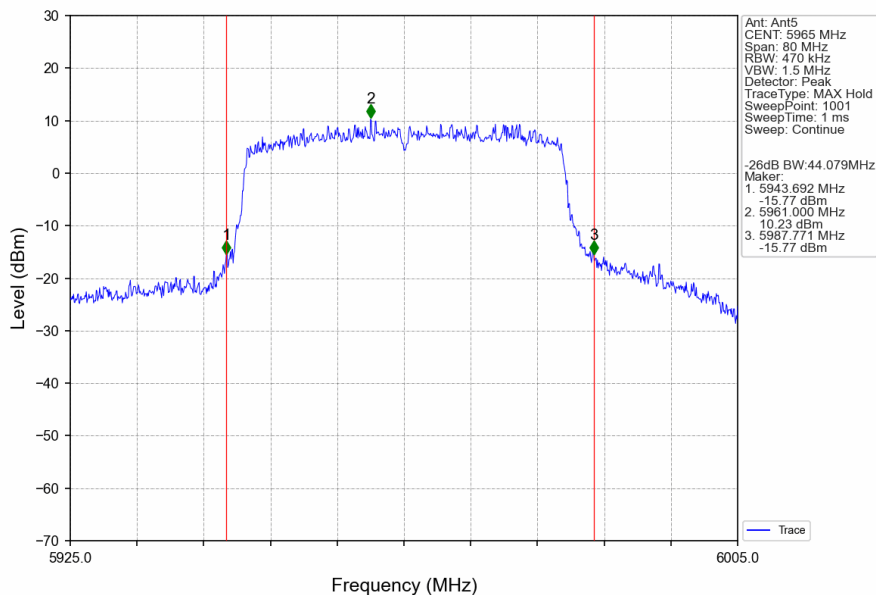








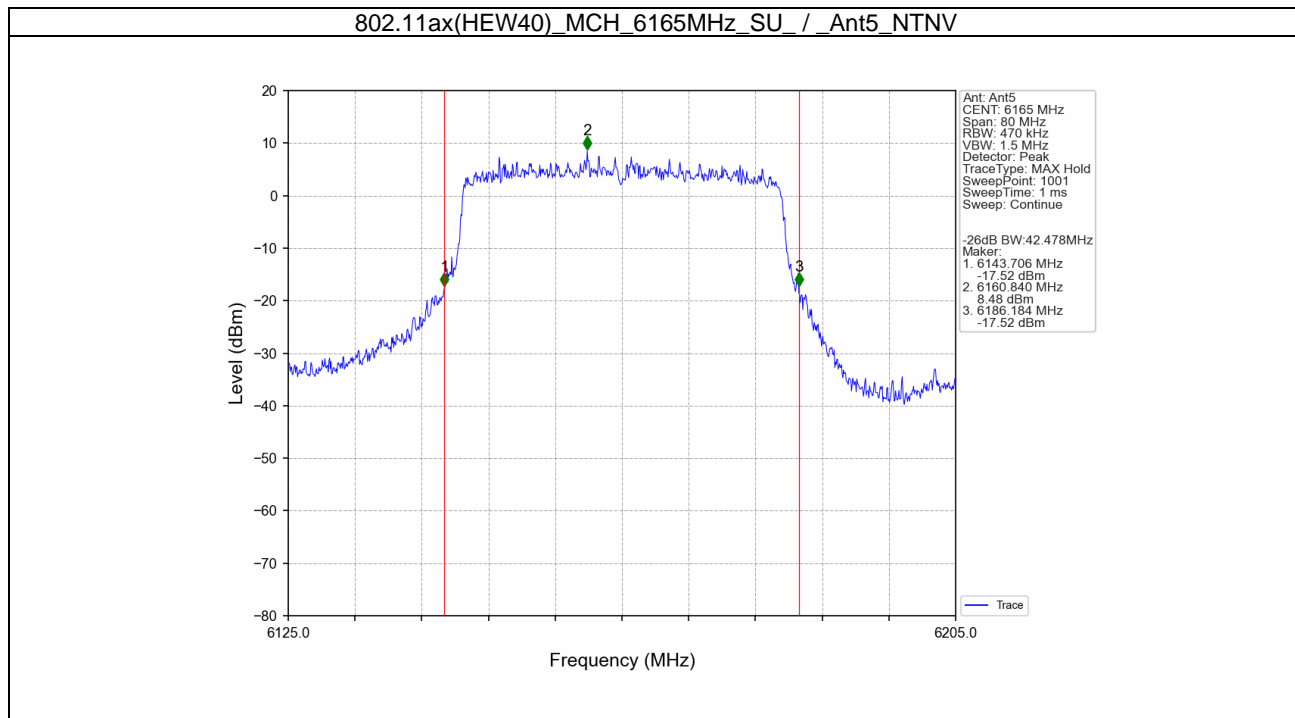
### 802.11ax(HEW40)\_LCH\_5965MHz\_SU\_/\_Ant5\_NTNV

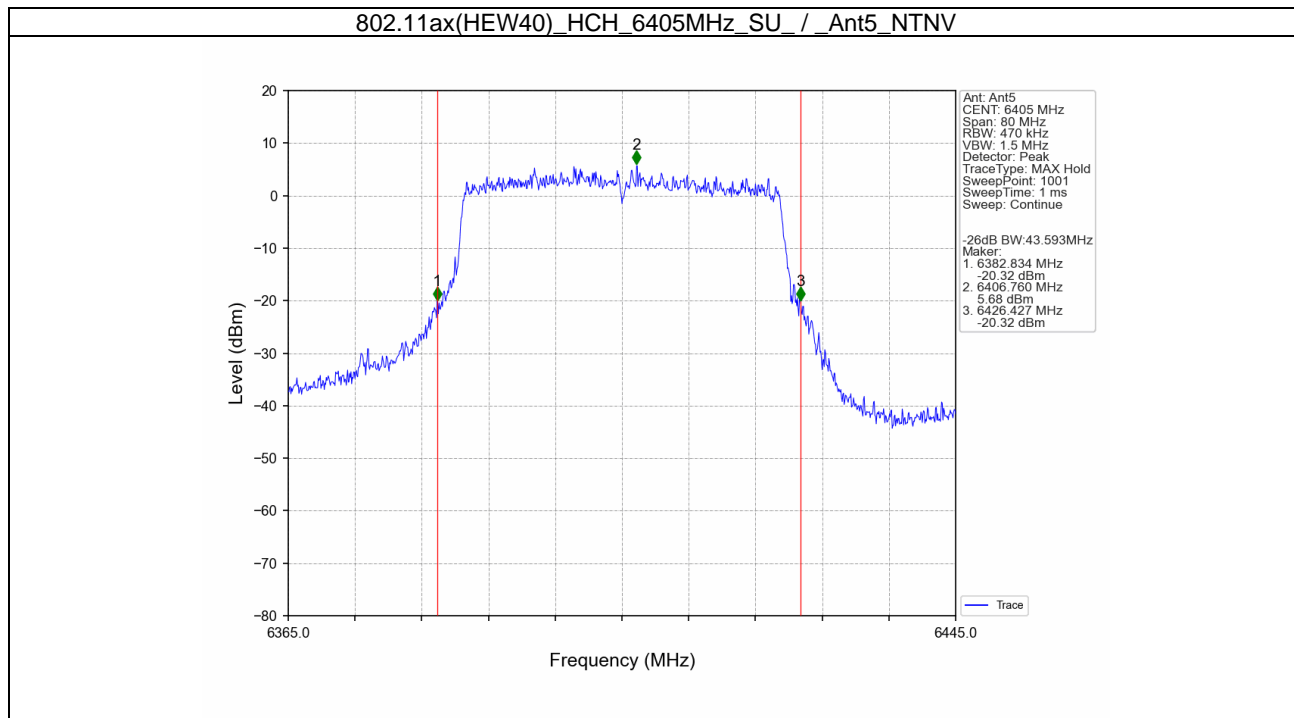


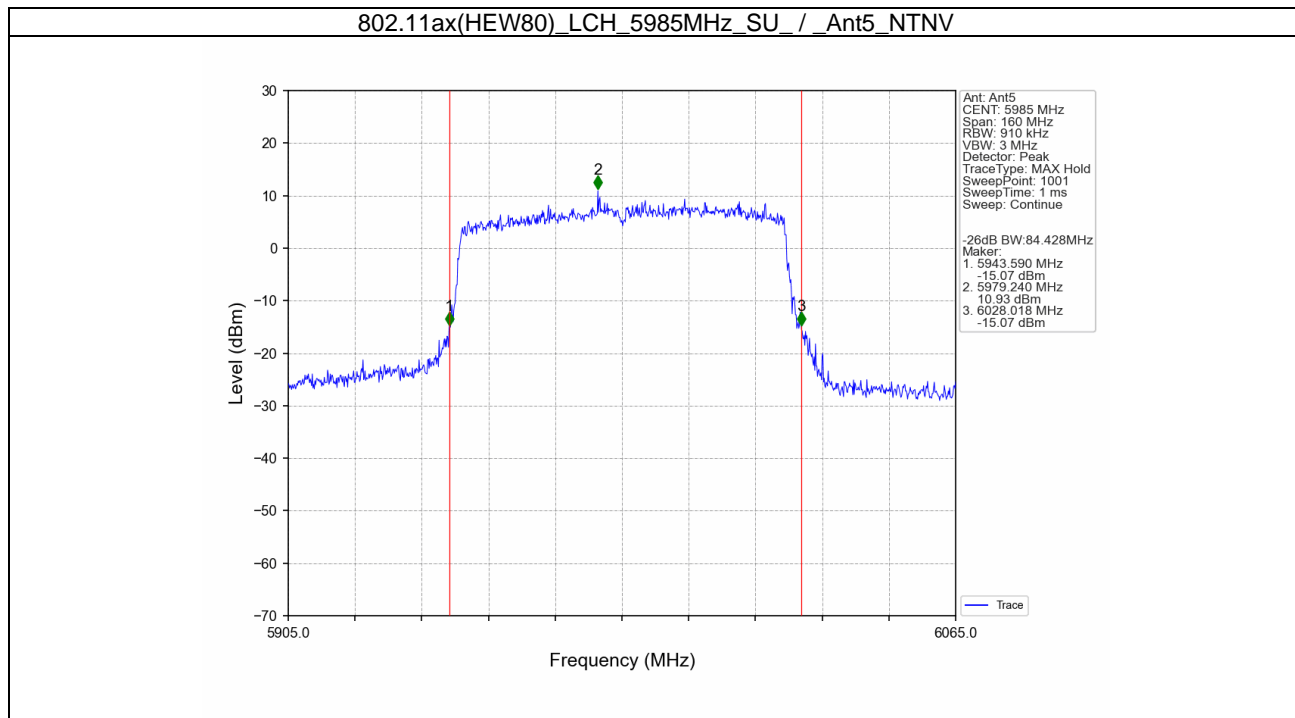
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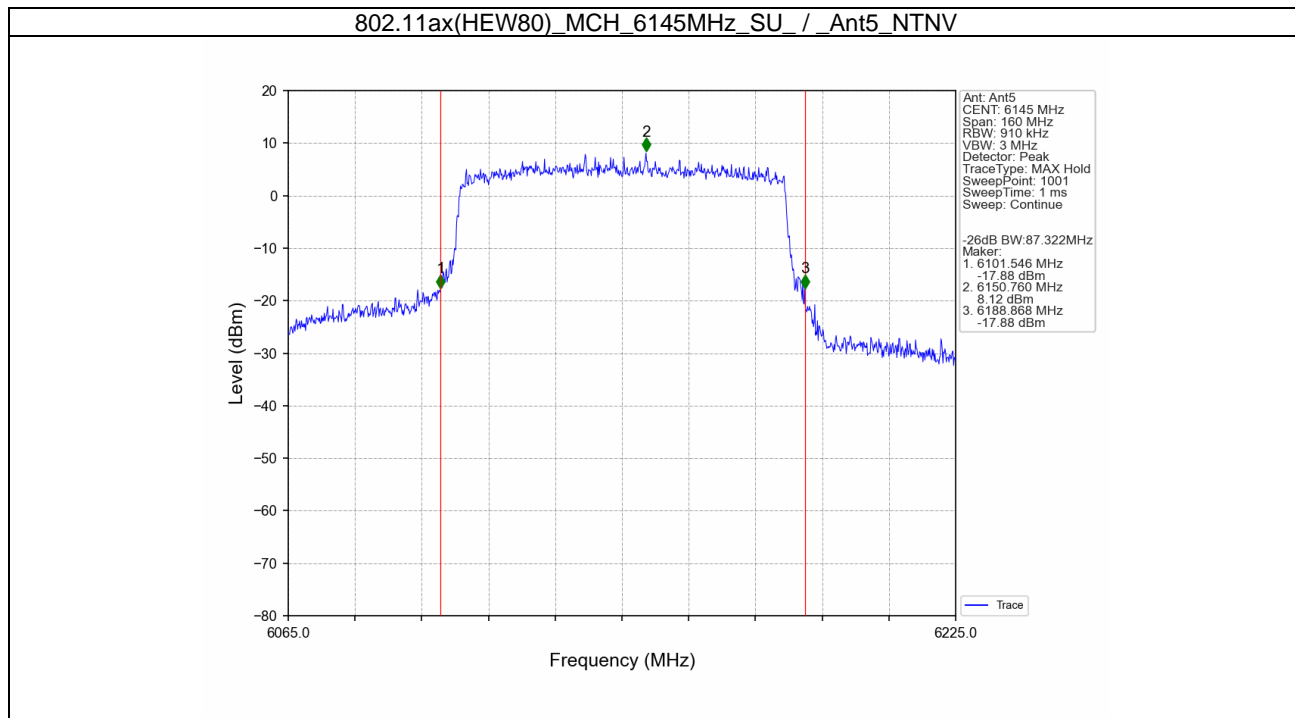
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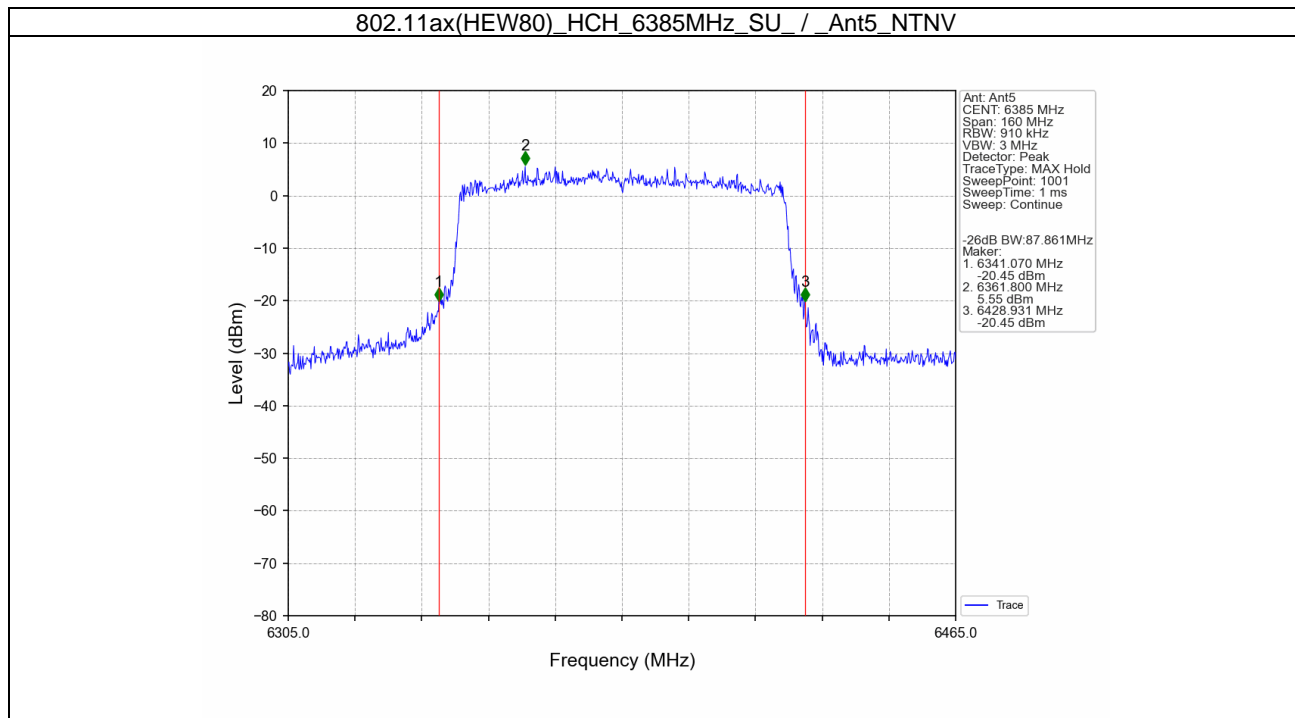




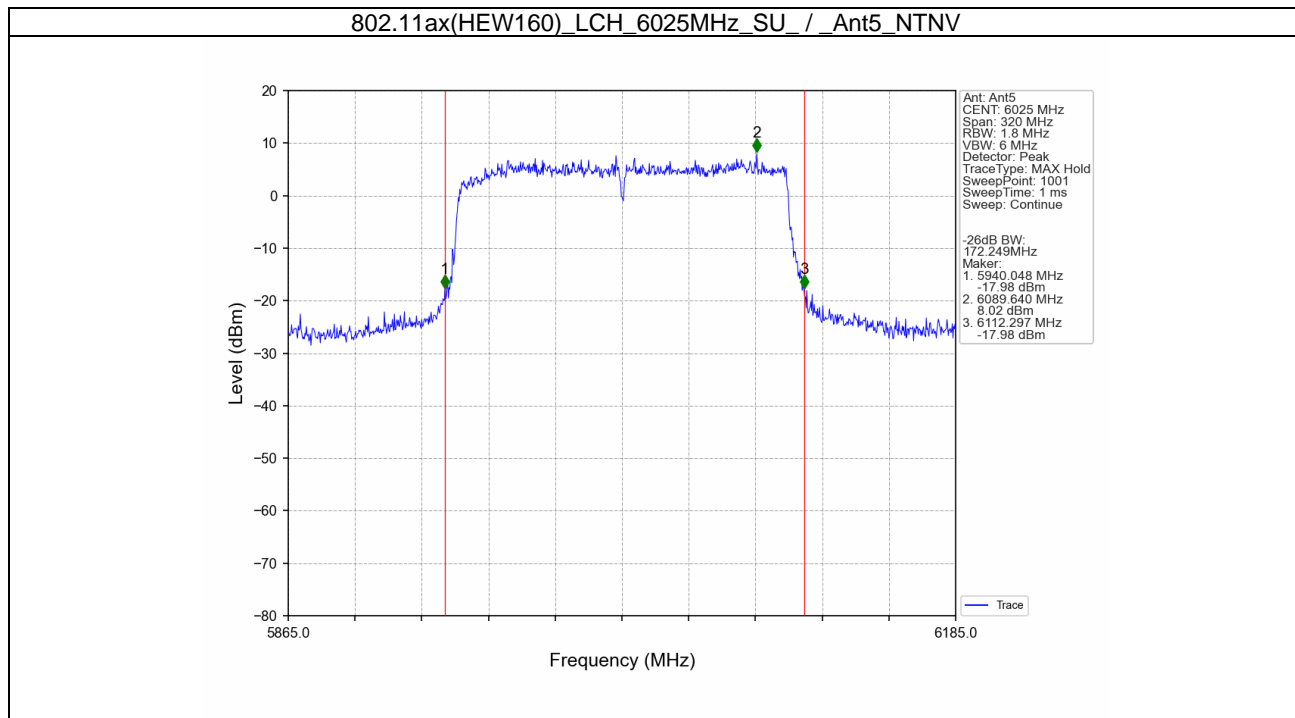


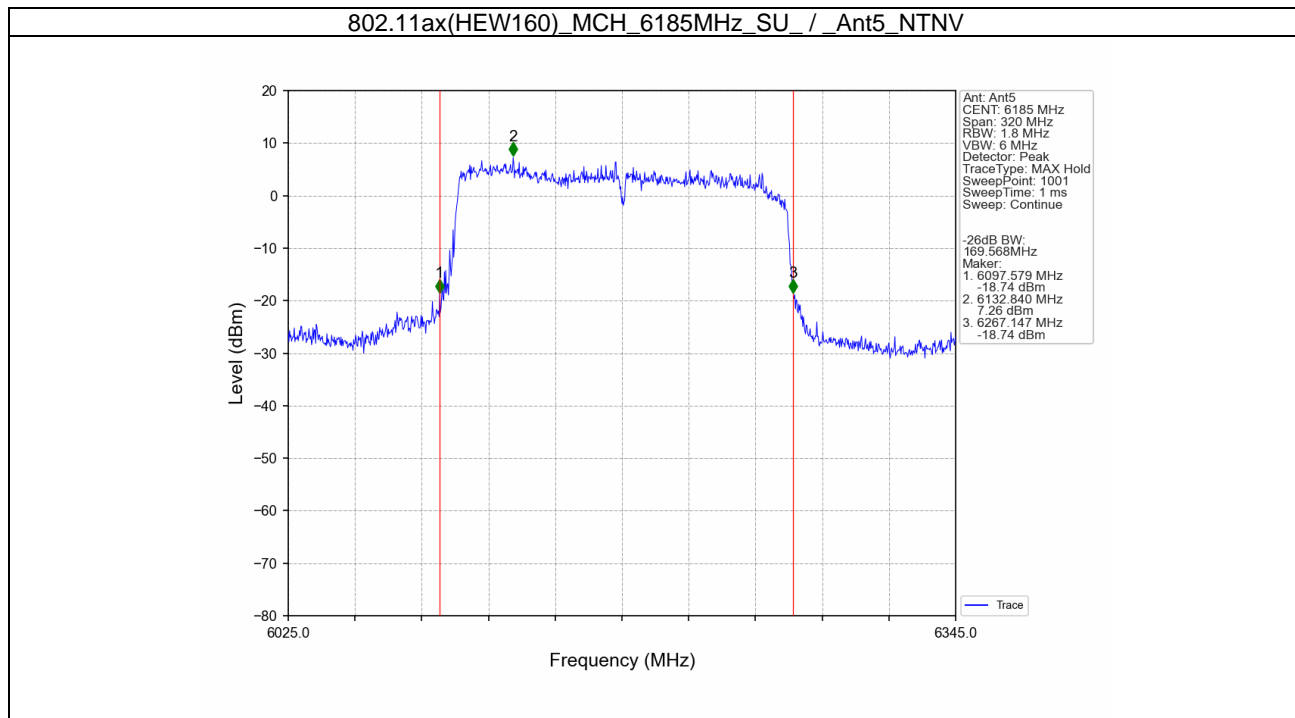




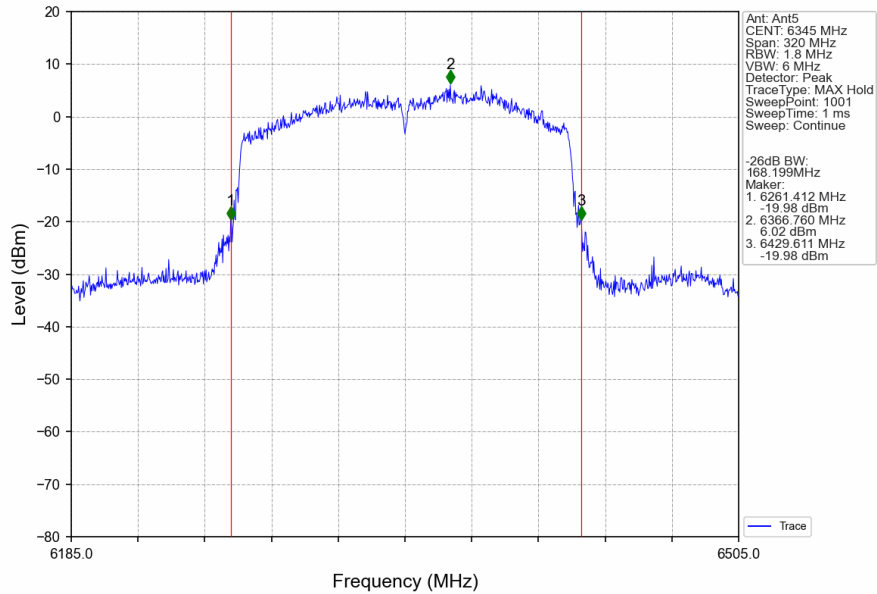








### 802.11ax(HEW160)\_HCH\_6345MHz\_SU\_/\_Ant5\_NTNV



### 3. Maximum Conducted Output Power

#### 3.1 Test Result

##### 3.1.1 Power

ENV	Mode	TX Type	Frequency (MHz)	RU	RU Pos	Maximum Average Conducted Output Power (dBm)				Verdict
						ANT5	ANT6	MIMO	Limit	
NTNV	802.11a	MIMO	5955	/	/	6.57	6.72	9.66	/	Pass
			6175	/	/	7.05	5.91	9.53	/	Pass
			6415	/	/	5.69	7.46	9.67	/	Pass
	802.11ax (HEW20)	MIMO	5955	RU26	Left	-5.38	-4.53	-1.92	/	Pass
				RU52	Left	-0.93	-0.46	2.32	/	Pass
				RU106	Left	2.75	3.42	6.11	/	Pass
				SU	/	6.67	6.67	9.68	/	Pass
			6175	RU26	Mid	-2.69	-2.24	0.55	/	Pass
				RU52	Left	-1.74	-1.70	1.29	/	Pass
				RU106	Left	1.28	0.95	4.13	/	Pass
				SU	/	7.16	5.89	9.58	/	Pass
			6415	RU26	Right	-3.32	-1.51	0.69	/	Pass
				RU52	Left	0.21	1.56	3.95	/	Pass
				RU106	Left	2.15	3.11	5.67	/	Pass
				SU	/	6.13	8.08	10.22	/	Pass
	802.11ax (HEW40)	MIMO	5965	SU	/	9.77	9.74	12.77	/	Pass
			6165	SU	/	10.46	9.05	12.82	/	Pass
			6405	SU	/	8.94	10.52	12.81	/	Pass
	802.11ax (HEW80)	MIMO	5985	SU	/	12.72	12.28	15.52	/	Pass
			6145	SU	/	13.04	11.88	15.51	/	Pass
			6385	SU	/	12.56	13.39	16.01	/	Pass
	802.11ax (HEW160)	MIMO	6025	SU	/	15.23	14.82	18.04	/	Pass
			6185	SU	/	12.57	14.20	16.47	/	Pass
			6345	SU	/	14.21	15.33	17.82	/	Pass

##### 3.1.2 EIRP

ENV	Mode	TX Type	Frequency (MHz)	RU	RU Pos	E.I.R.P (dBm)				Verdict
						ANT5	ANT6	MIMO	Limit	
NTNV	802.11a	MIMO	5955	/	/	5.92	5.16	8.57	<=24	Pass
			6175	/	/	6.40	4.35	8.51	<=24	Pass
			6415	/	/	5.04	5.90	8.50	<=24	Pass
	802.11ax (HEW20)	MIMO	5955	RU26	Left	-6.03	-6.09	-3.05	<=24	Pass
				RU52	Left	-1.58	-2.02	1.22	<=24	Pass
				RU106	Left	2.10	1.86	4.99	<=24	Pass
				SU	/	6.02	5.11	8.60	<=24	Pass
			6175	RU26	Mid	-3.34	-3.80	-0.55	<=24	Pass
				RU52	Left	-2.39	-3.26	0.21	<=24	Pass
				RU106	Left	0.63	-0.61	3.06	<=24	Pass



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

SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250300088107

Page: 145 of 579

			6415	SU	/	6.51	4.33	8.57	<=24	Pass
				RU26	Right	-3.97	-3.07	-0.49	<=24	Pass
				RU52	Left	-0.44	0.00	2.80	<=24	Pass
				RU106	Left	1.50	1.55	4.54	<=24	Pass
	802.11ax (HEW40)	MIMO	5965	SU	/	5.48	6.52	9.04	<=24	Pass
				SU	/	9.12	8.18	11.69	<=24	Pass
				SU	/	9.81	7.49	11.81	<=24	Pass
				SU	/	8.29	8.96	11.65	<=24	Pass
	802.11ax (HEW80)	MIMO	5985	SU	/	12.07	10.72	14.46	<=24	Pass
				SU	/	12.39	10.32	14.49	<=24	Pass
				SU	/	11.91	11.83	14.88	<=24	Pass
				SU	/	14.58	13.26	16.98	<=24	Pass
	802.11ax (HEW160)	MIMO	6025	SU	/	11.92	12.64	15.31	<=24	Pass
				SU	/	11.92	12.64	15.31	<=24	Pass
				SU	/	13.56	13.77	16.68	<=24	Pass
				SU	/	13.56	13.77	16.68	<=24	Pass

Note: E.I.R.P = Measured Power + Antenna Gain



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## 4. Maximum Power Spectral Density

### 4.1 Test Result

#### 4.1.1 PSD

ENV	Mode	TX Type	Frequency (MHz)	RU	RU Pos	Maximum PSD (dBm/MHz)				Verdict
						ANT5	ANT6	MIMO	Limit	
NTNV	802.11a	MIMO	5955	/	/	-4.23	-3.95	-1.31	/	Pass
			6175	/	/	-3.76	-4.74	-1.42	/	Pass
			6415	/	/	-5.14	-3.29	-1.13	/	Pass
	802.11ax (HEW20)	MIMO	5955	RU26	Left	-6.40	-5.52	-3.08	/	Pass
				RU52	Left	-5.31	-5.01	-2.31	/	Pass
				RU106	Left	-4.96	-4.46	-1.75	/	Pass
				SU	/	-4.45	-4.33	-1.51	/	Pass
			6175	RU26	Mid	-6.22	-5.55	-3.12	/	Pass
				RU52	Left	-6.26	-6.31	-3.41	/	Pass
				RU106	Left	-6.52	-6.58	-3.89	/	Pass
				SU	/	-3.91	-5.17	-1.63	/	Pass
			6415	RU26	Right	-5.67	-3.77	-1.83	/	Pass
				RU52	Left	-4.79	-3.69	-1.39	/	Pass
				RU106	Left	-5.84	-4.71	-2.56	/	Pass
				SU	/	-4.94	-3.16	-1.13	/	Pass
	802.11ax (HEW40)	MIMO	5965	SU	/	-4.12	-4.25	-1.36	/	Pass
			6165	SU	/	-3.61	-5.25	-1.49	/	Pass
			6405	SU	/	-5.02	-3.32	-1.34	/	Pass
	802.11ax (HEW80)	MIMO	5985	SU	/	-4.69	-4.41	-1.76	/	Pass
			6145	SU	/	-4.46	-5.32	-2.09	/	Pass
			6385	SU	/	-4.74	-3.92	-1.64	/	Pass
	802.11ax (HEW160)	MIMO	6025	SU	/	-4.40	-5.58	-2.22	/	Pass
			6185	SU	/	-7.20	-5.14	-3.25	/	Pass
			6345	SU	/	-4.91	-4.42	-1.95	/	Pass

#### 4.1.2 E.I.R.PSD

ENV	Mode	TX Type	Frequency (MHz)	RU	RU Pos	Maximum E.I.R.PSD (dBm/MHz)				Verdict
						ANT5	ANT6	MIMO	Limit	
NTNV	802.11a	MIMO	5955	/	/	-4.88	-5.51	-2.17	<=-1	Pass
			6175	/	/	-4.41	-6.30	-2.24	<=-1	Pass
			6415	/	/	-5.79	-4.85	-2.28	<=-1	Pass
	802.11ax (HEW20)	MIMO	5955	RU26	Left	-7.05	-7.08	-4.05	<=-1	Pass
				RU52	Left	-5.96	-6.57	-3.24	<=-1	Pass
				RU106	Left	-5.61	-6.02	-2.80	<=-1	Pass
				SU	/	-5.10	-5.89	-2.47	<=-1	Pass
			6175	RU26	Mid	-6.87	-7.11	-3.98	<=-1	Pass
				RU52	Left	-6.91	-7.87	-4.35	<=-1	Pass
				RU106	Left	-7.17	-8.14	-4.62	<=-1	Pass
				SU	/	-4.56	-6.73	-2.50	<=-1	Pass

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

SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250300088107

Page: 147 of 579

			6415	RU26	Right	-6.32	-5.33	-2.79	<=-1	Pass
				RU52	Left	-5.44	-5.25	-2.33	<=-1	Pass
				RU106	Left	-6.49	-6.27	-3.37	<=-1	Pass
				SU	/	-5.59	-4.72	-2.12	<=-1	Pass
	802.11ax (HEW40)	MIMO	5965	SU	/	-4.77	-5.81	-2.25	<=-1	Pass
			6165	SU	/	-4.26	-6.81	-2.34	<=-1	Pass
			6405	SU	/	-5.67	-4.88	-2.25	<=-1	Pass
	802.11ax (HEW80)	MIMO	5985	SU	/	-5.34	-5.97	-2.63	<=-1	Pass
			6145	SU	/	-5.11	-6.88	-2.90	<=-1	Pass
			6385	SU	/	-5.39	-5.48	-2.42	<=-1	Pass
	802.11ax (HEW160)	MIMO	6025	SU	/	-5.05	-7.14	-2.96	<=-1	Pass
			6185	SU	/	-7.85	-6.70	-4.23	<=-1	Pass
			6345	SU	/	-5.56	-5.98	-2.75	<=-1	Pass

Note: E.I.R.PSD = Measured PSD + Antenna Gain



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### 4.2 Test Graph

#### 4.2.1 PSD

