

SZEMC-TRF-01 Rev. A/1 Report No.: SZCR241200470504

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# TEST REPORT

Application No.: SZCR2412004705AT

Applicant: Shenzhen Dangs Science and Technology Co.,Ltd.

Address of Applicant: 1301, Block D1, Chuangzhi Yuncheng, Liuxian Avenue, Nanshan District,

Shenzhen, Guangdong Province, China

Manufacturer: Shenzhen Dangs Science and Technology Co.,Ltd

Address of Manufacturer: 1301, Building D, 1st Block, Chuangzhi Yuncheng, Liuxian Avenue, Xili

Community, Xili Street, Nanshan District, Shenzhen, China

Factory: Heyuan Yongjia Industrial Co.,Ltd

Address of Factory: Huntkey Industrial Park, 18#, Longling Industrial Estate, Yuancheng District,

Heyuan City, Guangdong Province, China

**Equipment Under Test (EUT):** 

**EUT Name:** Smart Projector

Model No.: DBOX03, DB\*\*\*\*\*\*("\*"can be 0-9, A-Z, a-z, or blank for the marketing

purpose. only different model designations on the marking plate of different

markets. No safety concern) \*

Please refer to section 2 of this report which indicates which model was

actually tested and which were electrically identical.

Trade Mark: Dangbei, emotn FCC ID: 2AV2J-DBOX03

Standard(s): 47 CFR Part 15, Subpart C 15.247

**Date of Receipt:** 2024-12-13

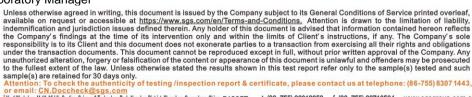
**Date of Test:** 2025-02-14 to 2025-03-15

**Date of Issue:** 2025-03-24

Test Result: Pass\*

Keny Xu
EMC Laboratory Manager

Ceny. Ku



Member of the SGS Group (SGS SA)

<sup>\*</sup> In the configuration tested, the EUT complied with the standards specified above.



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	Revision Record						
Version	Chapter	Date	Modifier	Remark			
01		2025-03-24		Original			

Authorized for issue by:			
	Leslai		
	Leo Lai/Project Engineer	_	
	Exic Fu		
	Eric Fu/Reviewer	_	



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# **Test Summary**

Radio Spectrum Technical Requirement						
Item Standard Method Requirement Result						
Antenna Requirement	47 CFR Part 15, Subpart C 15.247	N/A	47 CFR Part 15, Subpart C 15.203 & 15.247(b)(4)	Pass		

Radio Spectrum Matter Part							
Item	Standard	Method	Requirement	Result			
Conducted Emissions at AC Power Line (150kHz-30MHz)		ANSI C63.10 (2013) Section 6.2	47 CFR Part 15, Subpart C 15.207	Pass			
Radiated Emissions which fall in the restricted bands		ANSI C63.10 (2013) Section 6.10.5	47 CFR Part 15, Subpart C 15.205 & 15.209	Pass			
Radiated Spurious Emissions Below 1GHz		ANSI C63.10 (2013) Section 6.4,6.5	47 CFR Part 15, Subpart C 15.205 & 15.209	Pass			
Radiated Spurious Emissions Above 1GHz	47 CFR Part 15, Subpart C 15.247	ANSI C63.10 (2013) Section 6.6	47 CFR Part 15, Subpart C 15.205 & 15.209	Pass			
Conducted Peak Output Power		ANSI C63.10 (2013) Section 11.9.2	47 CFR Part 15, Subpart C 15.247(b)(3)	Pass			
Minimum 6dB Bandwidth		ANSI C63.10 (2013) Section 11.8.1	47 CFR Part 15, Subpart C 15.247a(2)	Pass			
Power Spectrum Density		ANSI C63.10 (2013) Section 11.10.2	47 CFR Part 15, Subpart C 15.247(e)	Pass			
Conducted Band Edges Measurement		ANSI C63.10 (2013) Section 11.13.3.2	47 CFR Part 15, Subpart C 15.247(d)	Pass			
Conducted Spurious Emissions		ANSI C63.10 (2013) Section 11.11	47 CFR Part 15, Subpart C 15.247(d)	Pass			

### **Declaration of EUT Family Grouping:**

Model No.: DBOX03, DB\*\*\*\*\*\*("\*"can be 0-9, A-Z, a-z, or blank for the marketing purpose. only different model designations on the marking plate of different markets. No safety concern) Only the model DBOX03 was tested, since according to the declaration from the applicant, the electrical circuit design, PCB layout, components used, internal wiring and functions were identical for all the above models, with only difference on marking plate for different markets. No.



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### **General Information**

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

Power supply:	DC 19V from AC ADAPTER
	Model: HKA250190A3-7D
	Input: 100-240V~50/60Hz, 4.0A
	Output: DC 19V 13.16A, 250.04W
Cable Loss (for RF conducted test):	1dB
Operation Frequency:	802.11b/g/n(HT20): 2412MHz to 2462MHz, 802.11n(HT40): 2422MHz to 2452MHz
Modulation Type:	802.11b: DSSS (CCK, DQPSK, DBPSK), 802.11g/n/ax: OFDM (1024QAM, 256QAM, 64QAM, 16QAM, QPSK, BPSK)
Channel Spacing:	5MHz
 Number of Channels:	802.11b/g/n(HT20): 11, 802.11n(HT40):7
 Antenna Type:	PIFA Antenna
Antenna Gain:	ANT1: 3.93dBi, ANT2: 3.75dBi

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
Radiated Emissions which fall in the restricted bands	± 6.0dB (Below 1GHz);± 4.6dB (Above 1GHz)
Radiated Spurious Emissions Below 1GHz	$\pm$ 6.0dB for 3m; $\pm$ 5.0dB for 10m
Radiated Spurious Emissions Above 1GHz	± 4.6dB (1-18GHz);± 4.8dB (18- 40GHz)
Conducted Peak Output Power	± 0.75dB
Minimum 6dB Bandwidth	± 3%
Power Spectrum Density	± 2.84dB
Conducted Band Edges Measurement	± 0.75dB
Conducted Spurious Emissions	± 0.75dB



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### Remark:

The Ulab (lab Uncertainty) is less than Ucispr/ETSI (CISPR/ETSI Uncertainty), so the test results

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



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### 4.4 Test Location

All tests were performed at:

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

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

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

No tests were sub-contracted.

### 4.5 Test Facility

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

### • A2LA (Certificate No. 3816.01)

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

### VCCI (Member No. 1937)

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

### • FCC -Designation Number: CN1336

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

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

### Innovation, Science and Economic Development Canada

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

CAB identifier: CN0006.

IC#: 4620C.

### 4.6 Deviation from Standards

None

### 4.7 Abnormalities from Standard Conditions

None



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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		
Measurement Software	AUDIX	e3 V8.2014-6- 27a	N/A	N/A	N/A		
Coaxial Cable	SGS	N/A	SEM024-01	2024-07-06	2025-07-05		
LISN	Rohde&Schwarz	ENV216	SEM007-01	2024-08-15	2025-08-14		
LISN	ETS-LINDGREN	3816/2	SEM007-02	2024-03-04 2025-03-03	2025-03-03 2026-03-02		

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	
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	

Radiated Spurious 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	2024-03-05 2025-03-04	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	



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Radiated Spurious Emis	Radiated Spurious Emissions Above 1GHz										
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date						
Signal & Spectrum Analyzer	Rohde & Schwarz	FSV	SZ-WRG-M- 048	2025-01-07	2026-01-06						
Low Noise Amplifier 1G- 18GHz	Tonscend	TAP01018050	SZ-WRG-M- 051	2025-01-07	2026-01-06						
Low Noise Amplifier 18G-40GHz	Tonscend	TAP18040048	SZ-WRG-M- 052	2025-01-08	2026-01-07						
Double Ridge Horn Antenna 1GHz-18GHz	SCHWARZBECK	BBHA 9120 D	SZ-WRG-M- 055	2023-12-21	2025-12-20						
SHF-EHF Horn 15GHz- 40GHz	SCHWARZBECK	BBHA 9170	SZ-WRG-M- 056	2023-12-25	2025-12-24						
RSE Test Software	AUDIX	e3 V8.2014-6- 27	N/A	N/A	N/A						
Chamber	CRTSGSSAC966	N/A	SZ-WRG-C- 063	2025-01-06	2028-01-05						
Humidity and Temperature Indicator	deli	8838	SEM002-46	2024-07-24	2025-07-23						

RF Conducted Test										
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date					
Power Sensor	TST PASS	TSPS2023R	SEM009-26	2024-03-05	2025-03-04					
Power Sensor	131 PA33	13F32023R	3EM009-20	2025-03-04	2026-03-03					
Power Sensor	KEYSIGHT	U2021XA	SEM009-16	2024-03-05	2025-03-04					
Power Sensor	KETSIGHT	02021XA	3EM009-10	2025-03-04	2026-03-03					
DC Power Supply	Chroma	62012P-80-60 SEM011-11		2024-08-14	2025-08-13					
MXA Signal Analyzer	KEYSIGHT	N9020A	SEM004-19	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	SEM031-01	2024-07-06	2025-07-05					
Attonuctor	Huber+Suhner	6620_SMA-50-	SEM021-09	2024-03-04	2025-03-03					
Attenuator	nuber+Sunner	1	3EIVIU21-09	2025-03-03	2026-03-02					

General used equipment										
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date					
Humidity/ Temperature Indicator	deli	8838	SEM002-32	2024-07-24	2025-07-23					
Humidity/ Temperature Indicator	deli	8838	SEM002-33	2024-07-24	2025-07-23					
Barometer	Changchun Meteorological Industry Factory	DYM3	SEM002-01	2024-03-04 2025-03-03	2025-03-03 2026-03-02					



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#### Radio Spectrum Technical Requirement 6

### 6.1 Antenna Requirement

### 6.1.1 Test Requirement:

47 CFR Part 15, Subpart C 15.203 & 15.247(b)(4)

### 6.1.2 Conclusion

#### Standard Requirement:

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

### 15.247(b) (4) requirement:

The conducted output power limit specified in paragraph (b) of this section is based on the use of antennas with directional gains that do not exceed 6 dBi. Except as shown in paragraph (c) of this section, if transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated values in paragraphs (b)(1). (b)(2), and (b)(3) of this section, as appropriate, by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

#### **EUT Antenna:**

The antenna is integrated on the main PCB and no consideration of replacement. The best case gain of the antenna is ANT1: 3.93dBi, ANT2: 3.75dBi.

Antenna location: Refer to internal photo.



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#### **Radio Spectrum Matter Test Results** 7

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

47 CFR Part 15, Subpart C 15.207 Test Requirement Test Method: ANSI C63.10 (2013) Section 6.2

Limit:

Fraguency of emission/MU-)	Conducted limit(dBµV)						
Frequency of emission(MHz)	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.							
Detector: Peak for pre-scan (9kHz resolution bandwidth) 0.15M to 30MHz							

### 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	04	TX mode_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 1Mbps is the worst case of IEEE 802.11b; data rate @ 6Mbps is the worst case of IEEE 802.11g; data rate @ MCS0 is the worst case of IEEE 802.11n/ax 20/40, Only the data of worst case is recorded in the report.



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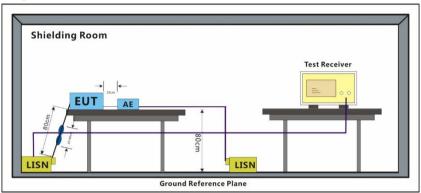
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### 7.1.3 Test Setup Diagram



#### 7.1.4 Measurement Procedure and Data

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

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



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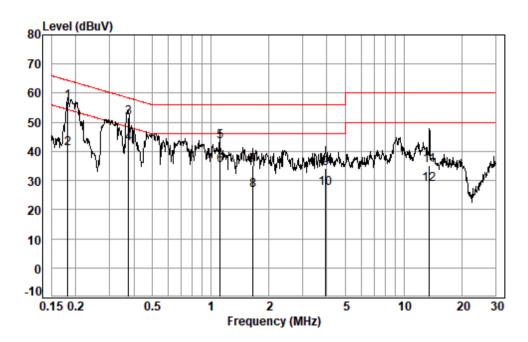


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Test Mode: 04; Line: Live line



: Shielding Room

Condition: Line Job No. : 04705AT

Test mode: 04

	Freq	Cable Loss	LISN Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB	dBuV	dBuV	dBuV	dB	
1	0.1825	0.06	10.14	46.75	56.95	64.37	-7.42	QP
2	0.1825	0.06	10.14	30.94	41.14	54.37	-13.23	Average
3 *	0.3751	0.07	9.71	41.93	51.71	58.39	-6.68	QP
4 *	0.3751	0.07	9.71	33.05	42.83	48.39	-5.56	Average
5	1.1173	0.09	9.58	33.70	43.37	56.00	-12.63	QP
6	1.1173	0.09	9.58	25.41	35.08	46.00	-10.92	Average
7	1.6537	0.10	9.58	25.53	35.21	56.00	-20.79	QP
8	1.6537	0.10	9.58	16.84	26.52	46.00	-19.48	Average
9	3.9430	0.12	9.66	24.50	34.28	56.00	-21.72	QP
10	3.9430	0.12	9.66	17.48	27.26	46.00	-18.74	Average
11	13.5509	0.24	9.86	25.05	35.15	60.00	-24.85	QP
12	13.5509	0.24	9.86	18.50	28.60	50.00	-21.40	Average



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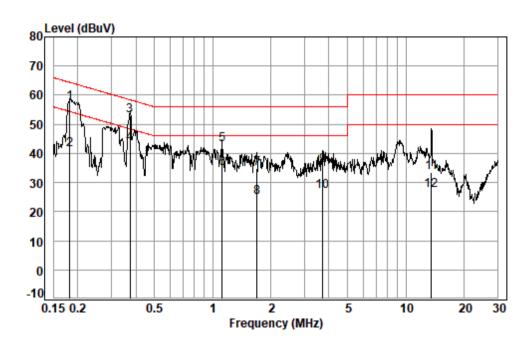


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Test Mode: 04: Line: Neutral Line



: Shielding Room

Condition: Neutral Job No. : 04705AT

Test mode: 04

		Cable	LISN	Read		Limit	0ver	
	Freq	Loss	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB	dBuV	dBuV	dBuV	dB	
1	0.1825	0.06	10.10	47.41	57.57	64.37	-6.80	QP
2	0.1825	0.06	10.10	31.08	41.24	54.37	-13.13	Average
3 3	* 0.3731	0.07	9.74	43.24	53.05	58.43	-5.38	QP
4 3	0.3731	0.07	9.74	33.72	43.53	48.43	-4.90	Average
5	1.1173	0.09	9.54	33.43	43.06	56.00	-12.94	QP
6	1.1173	0.09	9.54	25.25	34.88	46.00	-11.12	Average
7	1.6981	0.10	9.55	25.11	34.76	56.00	-21.24	QP
8	1.6981	0.10	9.55	15.09	24.74	46.00	-21.26	Average
9	3.7198	0.11	9.55	26.20	35.86	56.00	-20.14	QP
10	3.7198	0.11	9.55	17.18	26.84	46.00	-19.16	Average
11	13.5509	0.24	9.78	23.47	33.49	60.00	-26.51	QP
12	13.5509	0.24	9.78	17.16	27.18	50.00	-22.82	Average



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

Test Requirement 47 CFR Part 15, Subpart C 15.205 & 15.209

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

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		
Above 960	500	3		

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

### 7.2.1 E.U.T. Operation

Operating Environment:

Temperature: 24.5 °C Humidity: 50.8 % RH Atmospheric Pressure: 1020 mbar

### 7.2.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	04	TX mode_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 1Mbps is the worst case of IEEE 802.11b; data rate @ 6Mbps is the worst case of IEEE 802.11g; data rate @ MCS0 is the worst case of IEEE 802.11n/ax 20/40, Only the data of worst case is recorded in the report.



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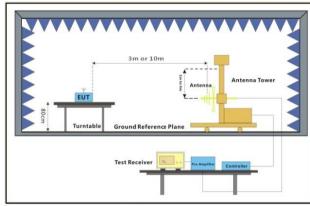


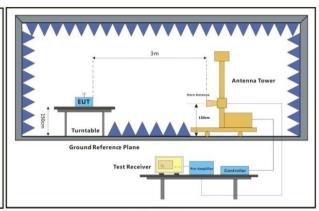
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### 7.2.3 Test Setup Diagram





Above 1GHz 30MHz-1GHz



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#### 7.2.4 Measurement Procedure and Data

- a. For below 1GHz, the EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 or 10 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. For above 1GHz, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter fully-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- c. The EUT was set 3 or 10 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- d. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- e. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- f. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- g. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.
- h. Test the EUT in the lowest channel, the middle channel, the Highest channel.
- i. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case.
- j. Repeat above procedures until all frequencies measured was complete.
- Remark 1: Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor
- Remark 2: 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.
- Remark 3: 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 4:For fundamental and harmonic signal measurement, the resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is ≥1/T (Duty cycle<98%) or 10Hz (Duty cycle ≥ 98%) for Average detection (AV) at frequency above 1GHz.



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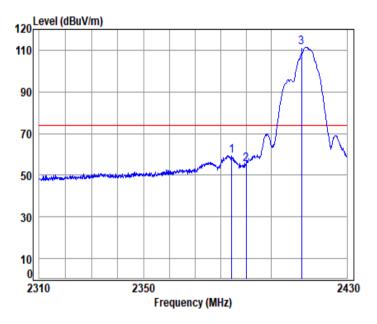


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### 11b\_TX\_CH\_01\_Horizontal-Peak



Condition: 3m HORIZONTAL Job No : 04705AT/04706AT Mode : 2412 Band edge

: 2.4G Wi-Fi 11b

			Cable	Ant	Preamp	Read		Limit	0ver	
		Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1		2384.407	6.82	27.44	31.54	56.52	59.24	74.00	-14.76	peak
2		2390.000					55.28			•
3	pp	2412.000								•



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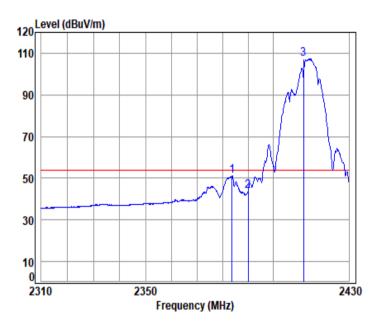


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Report No.: SZCR241200470504

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11b\_TX\_CH\_01\_Horizontal-Avg



Condition: 3m HORIZONTAL Job No : 04705AT/04706AT Mode : 2412 Band edge

: 2.4G Wi-Fi 11b

			Cable	Ant	Preamp	Read		Limit	0ver		
		Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark	
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
1		2383.683	6.82	27.43	31.54	48.27	50.98	54.00	-3.02	Average	
2		2390.000	6.82	27.46	31.54	40.97	43.71	54.00	-10.29	Average	
3	pp	2412.000	6.91	27.52	31.54	104.45	107.34	54.00	53.34	Average	



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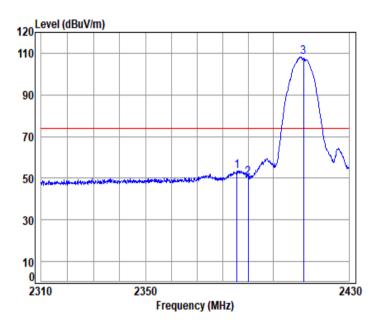


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### 11b\_TX\_CH\_01\_Vertical-Peak



Condition: 3m VERTICAL Job No : 04705AT/04706AT Mode : 2412 Band edge

: 2.4G Wi-Fi 11b

			Cable	Ant	Preamp	Read		Limit	0ver	
		Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1		2385.615	6.82	27.44	31.54	50.89	53.61	74.00	-20.39	peak
		2390.000								•
3	pp	2412.000	6.91	27.52	31.54	105.18	108.07	74.00	34.07	peak



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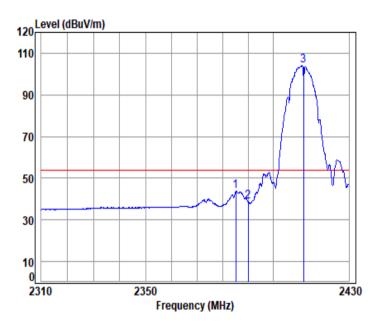


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11b\_TX\_CH\_01\_Vertical-Avg



Condition: 3m VERTICAL Job No : 04705AT/04706AT Mode : 2412 Band edge

: 2.4G Wi-Fi 11b

	Cable	Ant	Preamp	Read		Limit	0ver	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 2385.252	6.82	27.44	31.54	41.31	44.03	54.00	-9.97	Average
2 2390.000	6.82	27.46	31.54	35.90	38.64	54.00	-15.36	Average
3 pp 2412.000	6.91	27.52	31.54	101.32	104.21	54.00	50.21	Average



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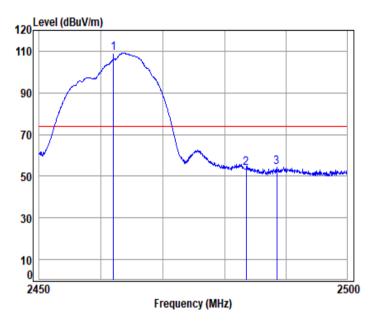


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### 11b\_TX\_CH\_11\_Horizontal-Peak



Condition: 3m HORIZONTAL Job No : 04705AT/04706AT Mode : 2462 Band edge

: 2.4G Wi-Fi 11b

			Cable	Ant	Preamp	Read		Limit	0ver	
		Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	pp	2462.000	7.25	27.67	31.55	105.67	109.04	74.00	35.04	peak
2		2483.500	7.40	27.80	31.55	50.14	53.79	74.00	-20.21	peak
		2488.511								•



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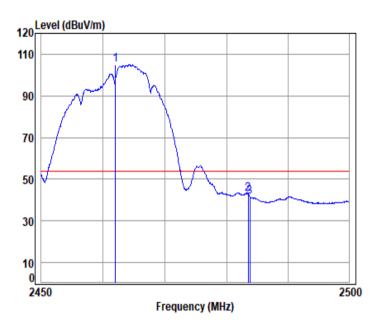


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11b\_TX\_CH\_11\_Horizontal-Avg



Condition: 3m HORIZONTAL Job No : 04705AT/04706AT Mode : 2462 Band edge

: 2.4G Wi-Fi 11b

		_									
		Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark	
	-	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
				,							
1	pp	2462.000	7.25	27.67	31.55	101.50	104.87	54.00	50.87	Average	
2		2483.500	7.40	27.80	31.55	39.03	42.68	54.00	-11.32	Average	
3		2483.790	7.40	27.80	31.55	38.04	41.69	54.00	-12.31	Average	



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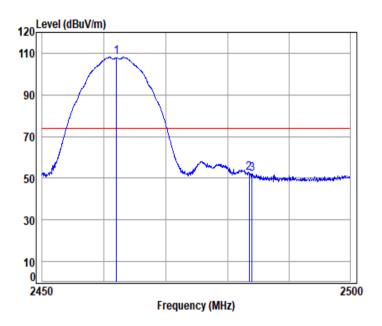


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11b\_TX\_CH\_11\_Vertical-Peak



Condition: 3m VERTICAL Job No : 04705AT/04706AT Mode : 2462 Band edge

: 2.4G Wi-Fi 11b

			Cable	Ant	Preamp	Read		Limit	0ver	
		Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	pp	2462.000	7.25	27.67	31.55	104.62	107.99	74.00	33.99	peak
2	•	2483.500	7.40	27.80	31.55	48.94	52.59	74.00	-21.41	peak
		2483.990								•



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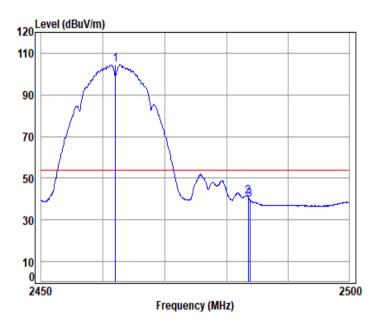


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11b\_TX\_CH\_11\_Vertical-Avg



Condition: 3m VERTICAL Job No : 04705AT/04706AT Mode : 2462 Band edge

: 2.4G Wi-Fi 11b

		<b>5</b>					1 1			
		Freq	LOSS	Factor	Factor	revel	revel	Line	Limit	Remark
	-									
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
				,						
1	рр	2462.000	7.25	27.67	31.55	101.01	104.38	54.00	50.38	Average
2		2483.500	7.40	27.80	31.55	37.21	40.86	54.00	-13.14	Δverage
_		24031300	7.40	27.00	51.55	37.21	40.00	34.00	13.14	Ave. uge
3		2483.790	7.40	27.80	31.55	36.07	39.72	54.00	-14.28	Average



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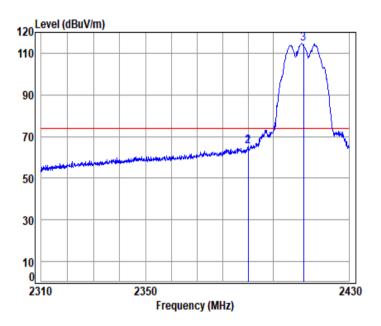


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Report No.: SZCR241200470504

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### 11g\_TX\_CH\_01\_Horizontal-Peak



Condition: 3m HORIZONTAL Job No : 04705AT/04706AT Mode : 2412 Band edge

: 2.4G Wi-Fi 11g

		Cable	Ant	Preamp	Read		Limit	0ver	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
			-						
1	2389.968	6.82	27.46	31.54	62.59	65.33	74.00	-8.67	peak
	2390.000								•
	2412.000								•



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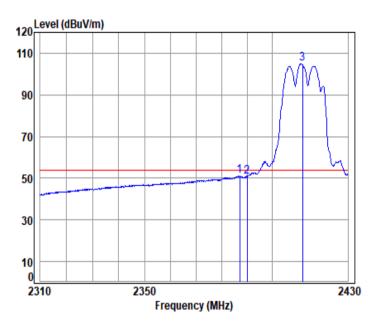


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11g\_TX\_CH\_01\_Horizontal-Avg



Condition: 3m HORIZONTAL Job No : 04705AT/04706AT Mode : 2412 Band edge

: 2.4G Wi-Fi 11g

			Cable	Ant	Preamp	Read		Limit	0ver		
		Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark	
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
1		2387.186	6.82	27.45	31.54	48.30	51.03	54.00	-2.97	Average	
2		2390.000	6.82	27.46	31.54	48.01	50.75	54.00	-3.25	Average	
3	pp	2412.000	6.91	27.52	31.54	102.07	104.96	54.00	50.96	Average	



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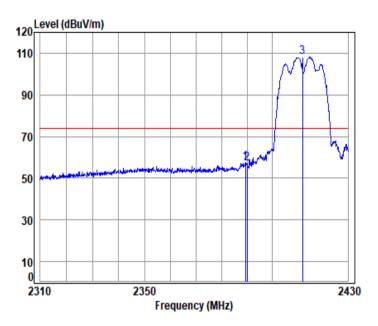


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### 11g\_TX\_CH\_01\_Vertical-Peak



Condition: 3m VERTICAL Job No : 04705AT/04706AT Mode : 2412 Band edge

: 2.4G Wi-Fi 11g

				8						
			Cable	Ant	Preamp	Read		Limit	0ver	
		Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
				•			•	•		
1		2389.363	6.82	27.46	31.54	54.55	57.29	74.00	-16.71	peak
		2390.000								•
										•
3	pp	2412.000	6.91	27.52	31.54	105.11	108.00	74.00	34.00	peak



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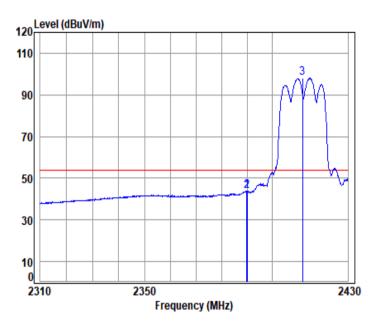


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11g\_TX\_CH\_01\_Vertical-Avg



Condition: 3m VERTICAL Job No : 04705AT/04706AT Mode : 2412 Band edge

: 2.4G Wi-Fi 11g

		Freq			Preamp Factor					Remark	
	-	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		_
1		2389.847	6.82	27.46	31.54	41.12	43.86	54.00	-10.14	Average	
2		2390.000	6.82	27.46	31.54	40.99	43.73	54.00	-10.27	Average	
3	pp	2412.000	6.91	27.52	31.54	95.05	97.94	54.00	43.94	Average	



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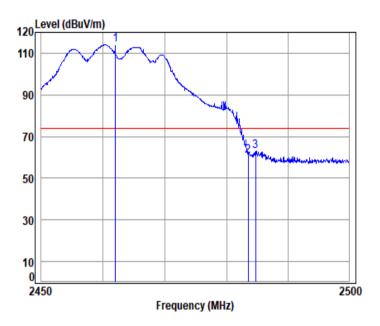


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Report No.: SZCR241200470504

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11g\_TX\_CH\_11\_Horizontal-Peak



Condition: 3m HORIZONTAL Job No : 04705AT/04706AT Mode : 2462 Band edge

: 2.4G Wi-Fi 11g

			Cable	Ant	Preamp	Read		Limit	0ver		
		Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark	
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
1	pp	2462.000	7.25	27.67	31.55	110.63	114.00	74.00	40.00	peak	
		2483.500									
		2484.743								•	



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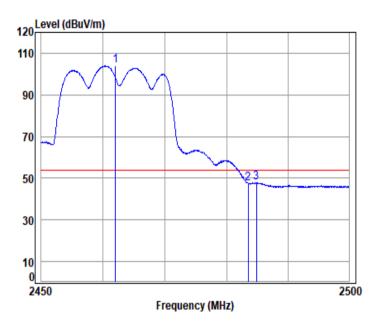


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11g\_TX\_CH\_11\_Horizontal-Avg



Condition: 3m HORIZONTAL Job No : 04705AT/04706AT Mode : 2462 Band edge

: 2.4G Wi-Fi 11g

				0							
			Cable	Ant	Preamp	Read		Limit	0ver		
		Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark	
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		_
								•			
1	рр	2462.000	7.25	27.67	31.55	100.52	103.89	54.00	49.89	Average	
2		2483.500	7.40	27.80	31.55	44.00	47.65	54.00	-6.35	Average	
3		2484.844	7.41	27.81	31.55	44.08	47.75	54.00	-6.25	Average	



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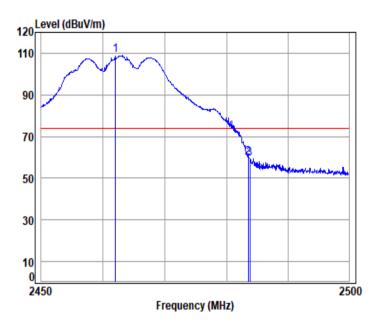


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11g\_TX\_CH\_11\_Vertical-Peak



Condition: 3m VERTICAL Job No : 04705AT/04706AT Mode : 2462 Band edge

: 2.4G Wi-Fi 11g

		Cable	Ant	Preamp	Read		Limit	0ver	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
_									
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	2462.000	7.25	27.67	31.55	105.46	108.83	74.00	34.83	peak
	2483.500								•
	2483.790								•



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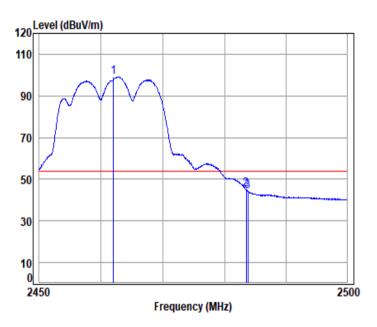


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11g\_TX\_CH\_11\_Vertical-Avg



Condition: 3m VERTICAL Job No : 04705AT/04706AT Mode : 2462 Band edge

: 2.4G Wi-Fi 11g

	. 2140 112 118								
		Cable	Ant	Preamp	Read		Limit	0ver	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	2462.000	7.25	27.67	31.55	95.70	99.07	54.00	45.07	Average
	2483.500								_
	2483.790								_



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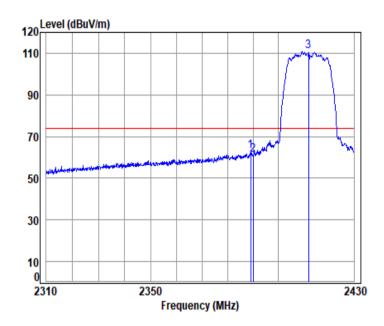


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Report No.: SZCR241200470504

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11n\_HT(20M)\_TX\_CH\_01\_Horizontal-Peak



Condition: 3m HORIZONTAL Job No : 04705AT/04706AT Mode : 2412 Band edge : 2.4G Wi-Fi 11n20

> Ant Preamp Read Limit 0ver Freq Loss Factor Factor Level Level Line Limit Remark dBuV dBuV/m dBuV/m MHz dB/m 6.82 27.46 31.54 60.01 62.75 74.00 -11.25 peak

2389.121 2390.000 6.82 27.46 31.54 58.54 61.28 74.00 -12.72 peak 3 pp 2412.000 6.91 27.52 31.54 107.79 110.68 74.00 36.68 peak



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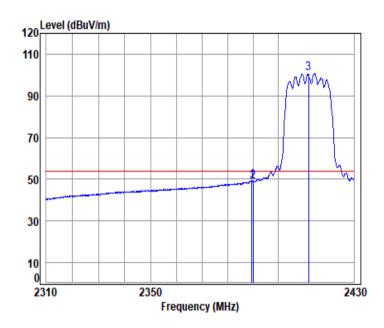


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### 11n\_HT(20M)\_TX\_CH\_01\_Horizontal-Avg



Condition: 3m HORIZONTAL Job No : 04705AT/04706AT Mode : 2412 Band edge

: 2.4G Wi-Fi 11n20

					•						
			Cable	Ant	Preamp	Read		Limit	0ver		
		Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark	
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
1		2389.484	6.82	27.46	31.54	46.41	49.15	54.00	-4.85	Average	
2		2390.000	6.82	27.46	31.54	46.05	48.79	54.00	-5.21	Average	
3	рр	2412.000	6.91	27.52	31.54	97.91	100.80	54.00	46.80	Average	



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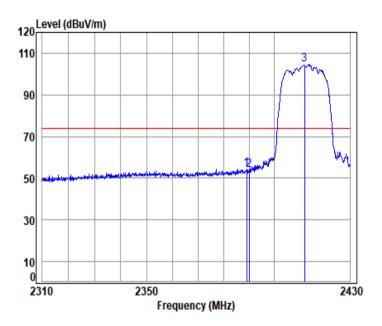


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Report No.: SZCR241200470504

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11n\_HT(20M)\_TX\_CH\_01\_Vertical-Peak



Condition: 3m VERTICAL Job No : 04705AT/04706AT Mode : 2412 Band edge

: 2.4G Wi-Fi 11n20

				•					
		Cable	Ant	Preamp	Read		Limit	0ver	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	2389.000	6.82	27.46	31.54	51.73	54.47	74.00	-19.53	peak
2	2390.000					53.86			•
3 рр	2412.000								•



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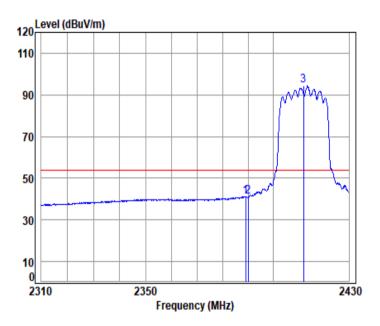


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11n\_HT(20M)\_TX\_CH\_01\_Vertical-Avg



Condition: 3m VERTICAL Job No : 04705AT/04706AT Mode : 2412 Band edge

: 2.4G Wi-Fi 11n20

		Cable	Ant	Preamp	Read		Limit	0ver	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	2389.000	6.82	27.46	31.54	38.39	41.13	54.00	-12.87	Average
2	2390.000	6.82	27.46	31.54	38.15	40.89	54.00	-13.11	Average
3 pp	2412.000	6.91	27.52	31.54	91.46	94.35	54.00	40.35	Average



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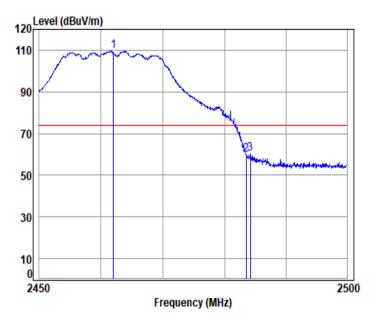


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11n\_HT(20M)\_TX\_CH\_11\_Horizontal-Peak



Condition: 3m HORIZONTAL Job No : 04705AT/04706AT Mode : 2462 Band edge

: 2.4G Wi-Fi 11n20

. 2.7	u *** '	1 11112	•					
	Cable	Ant	Preamp	Read		Limit	0ver	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
2462.000	7.25	27.67	31.55	106.10	109.47	74.00	35.47	peak
								•
	MHz 2462.000 2483.500	Freq Loss  MHz dB  2462.000 7.25 2483.500 7.40	Freq Loss Factor  MHz dB dB/m  2462.000 7.25 27.67 2483.500 7.40 27.80	Freq         Loss         Factor         Factor           MHz         dB         dB/m         dB           2462.000         7.25         27.67         31.55           2483.500         7.40         27.80         31.55	Freq         Loss         Factor         Factor         Level           MHz         dB         dB/m         dB         dBuV           2462.000         7.25         27.67         31.55         106.10           2483.500         7.40         27.80         31.55         56.33	Freq Loss Factor Factor Level Level  MHz dB dB/m dB dBuV dBuV/m  2462.000 7.25 27.67 31.55 106.10 109.47 2483.500 7.40 27.80 31.55 56.33 59.98	Freq Loss Factor Factor Level Level Line  MHz dB dB/m dB dBuV dBuV/m dBuV/m  2462.000 7.25 27.67 31.55 106.10 109.47 74.00 2483.500 7.40 27.80 31.55 56.33 59.98 74.00	Cable Ant Preamp Read Limit Over Freq Loss Factor Factor Level Level Line Limit  MHz dB dB/m dB dBuV dBuV/m dBuV/m dBuV/m dB  2462.000 7.25 27.67 31.55 106.10 109.47 74.00 35.47 2483.500 7.40 27.80 31.55 56.33 59.98 74.00 -14.02 2484.191 7.40 27.81 31.55 56.72 60.38 74.00 -13.62



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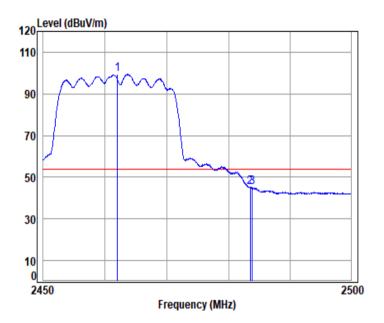


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Report No.: SZCR241200470504

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11n\_HT(20M)\_TX\_CH\_11\_Horizontal-Avg



Condition: 3m HORIZONTAL Job No : 04705AT/04706AT Mode : 2462 Band edge

2.4G Wi-Fi 11n20

Cable Ant Preamp Read Limit Ov	r
Freq Loss Factor Factor Level Level Line Lim	t Remark
·	
MHz dB dB/m dB dBuV dBuV/m dBuV/m	 IB
1 pp 2462.000 7.25 27.67 31.55 96.28 99.65 54.00 45.	5 Average
2 2483.500 7.40 27.80 31.55 41.45 45.10 54.00 -8.	_
3 2483 890 7 40 27 80 31 55 41 50 45 15 54 00 -8	_



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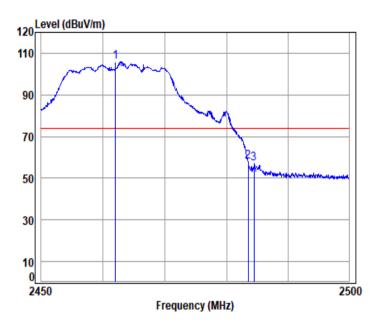


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11n\_HT(20M)\_TX\_CH\_11\_Vertical-Peak



Condition: 3m VERTICAL Job No : 04705AT/04706AT Mode : 2462 Band edge

: 2.4G Wi-Fi 11n20

		Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	-						-ID- 3//-	-ID- 1//		
		MHZ	dВ	dB/m	aв	aBuV	dBuV/m	dBuV/m	dB	
1	nn	2462.000	7 25	27 67	31 55	102 44	105 81	74 00	31 81	neak
		2483.500								•
		2484.492								•



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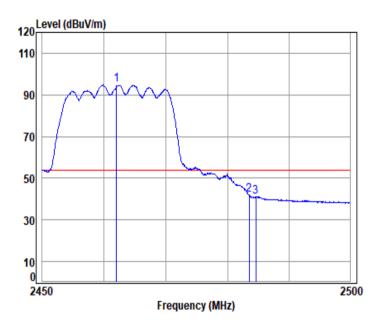


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11n\_HT(20M)\_TX\_CH\_11\_Vertical-Avg



Condition: 3m VERTICAL Job No : 04705AT/04706AT Mode : 2462 Band edge

: 2.4G Wi-Fi 11n20

				•					
		Cable	Ant	Preamp	Read		Limit	0ver	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 p	p 2462.000	7.25	27.67	31.55	91.41	94.78	54.00	40.78	Average
	2483.500								_
3	2484.593	7.41	27.81	31.55	37.49	41.16	54.00	-12.84	Average



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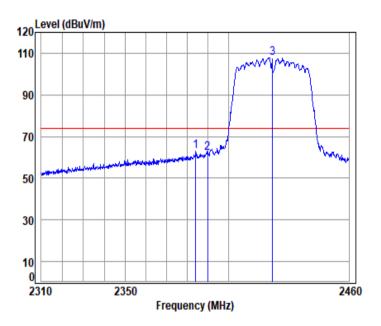


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11n\_HT(40M)\_TX\_CH\_03\_Horizontal-Peak



Condition: 3m HORIZONTAL Job No : 04705AT/04706AT Mode : 2422 Band edge

: 2.4G Wi-Fi 11n40

		. 2.7		1 1111-	•					
			Cable	Ant	Preamp	Read		Limit	0ver	
		Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1		2384.120	6.82	27.44	31.54	60.42	63.14	74.00	-10.86	peak
2		2390.000	6.82	27.46	31.54	59.12	61.86	74.00	-12.14	peak
3	pp	2422.000	6.98	27.54	31.54	104.72	107.70	74.00	33.70	peak



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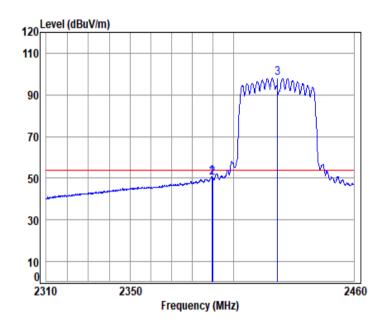


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#### 11n\_HT(40M)\_TX\_CH\_03\_Horizontal-Avg



Condition: 3m HORIZONTAL Job No : 04705AT/04706AT Mode : 2422 Band edge

: 2.4G Wi-Fi 11n40

					•						
			Cable	Ant	Preamp	Read		Limit	0ver		
		Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark	
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		١
1		2389.526	6.82	27.46	31.54	48.07	50.81	54.00	-3.19	Average	
2		2390.000								Average	
3	рр	2422.000								_	



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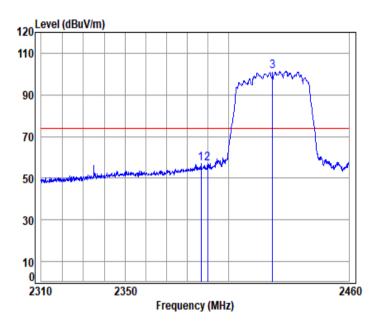


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#### 11n\_HT(40M)\_TX\_CH\_03\_Vertical-Peak



Condition: 3m VERTICAL Job No : 04705AT/04706AT Mode : 2422 Band edge

: 2.4G Wi-Fi 11n40

				-						
		Cable	Ant	Preamp	Read		Limit	0ver		
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
1	2386.672	6.82	27.45	31.54	54.34	57.07	74.00	-16.93	peak	
	2390.000								•	
	2422.000								•	



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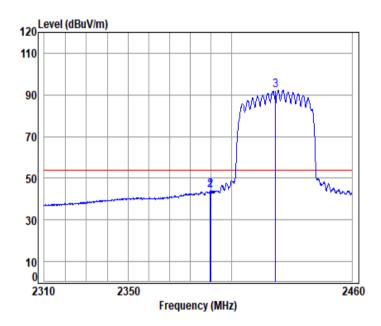


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11n\_HT(40M)\_TX\_CH\_03\_Vertical-Avg



Condition: 3m VERTICAL Job No : 04705AT/04706AT Mode : 2422 Band edge

: 2.4G Wi-Fi 11n40

		Fred			Preamp Factor					Remark
		11 64	LUSS	i ac coi	i ac coi	Level	LEVEI	LINE	LIMIC	Kellidi K
	-	MH <sub>7</sub>	dB	dR/m	dB	-dRuV	dRuV/m	dRuV/m	——dB	
		11112	ub	ub/III	ub	abav	ubuv/III	ubuv/iii	ub	
1		2389.827	6.82	27.46	31.54	40.90	43.64	54.00	-10.36	Average
2		2390.000	6.82	27.46	31.54	41.41	44.15	54.00	-9.85	Average
3	pp	2422.000	6.98	27.54	31.54	89.28	92.26	54.00	38.26	Average



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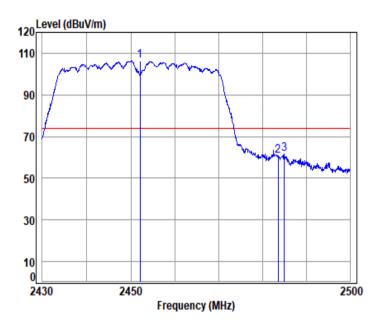


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11n\_HT(40M)\_TX\_CH\_09\_Horizontal-Peak



Condition: 3m HORIZONTAL Job No : 04705AT/04706AT Mode : 2452 Band edge

2 /G Wi-Ei 115/4

		: 2.4	G W1-F	1 11n4	0						
			Cable	Ant	Preamp	Read		Limit	0ver		
		Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark	
	_	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		_
				,							
1	nn	2452.000	7.18	27.61	31.55	103.19	106.43	74.00	32.43	neak	
		2483.500									
_		2403.300	7.40	27.00	31.33	50.54	00.55	74.00	-15.41	hear	
3		2484.923	7.41	27.81	31.55	57.90	61.57	74.00	-12.43	neak	



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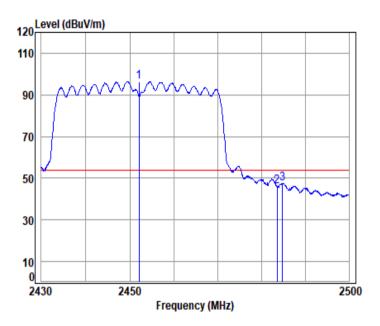


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#### 11n\_HT(40M)\_TX\_CH\_09\_Horizontal-Avg



Condition: 3m HORIZONTAL Job No : 04705AT/04706AT Mode : 2452 Band edge

: 2.4G Wi-Fi 11n40

			Cable	Ant	Preamp	Read		Limit	0ver		
		Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark	
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
L	pp	2452.000	7.18	27.61	31.55	93.09	96.33	54.00	42.33	Average	
2		2483.500	7.40	27.80	31.55	42.27	45.92	54.00	-8.08	Average	
3		2484.711	7.41	27.81	31.55	43.93	47.60	54.00	-6.40	Average	



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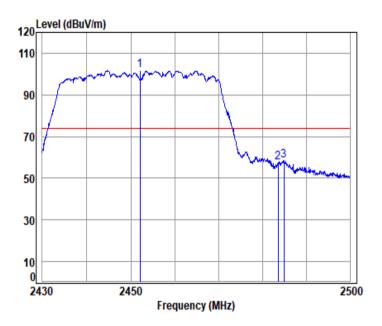


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11n\_HT(40M)\_TX\_CH\_09\_Vertical-Peak



Condition: 3m VERTICAL Job No : 04705AT/04706AT Mode : 2452 Band edge

: 2.4G Wi-Fi 11n40

				•					
		Cable	Ant	Preamp	Read		Limit	0ver	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	2452.000	7.18	27.61	31.55	98.32	101.56	74.00	27.56	peak
	2483.500								•
	2484.782								•



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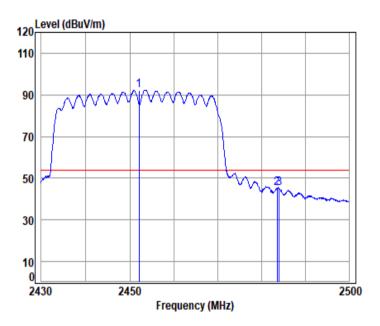


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11n\_HT(40M)\_TX\_CH\_09\_Vertical-Avg



Condition: 3m VERTICAL Job No : 04705AT/04706AT Mode : 2452 Band edge : 2.4G Wi-Fi 11n40

Ant Preamp Read Limit 0ver Freq Loss Factor Factor Level Level Line Limit Remark dBuV dBuV/m dBuV/m MHz dB/m dB 1 pp 2452.000 7.18 27.61 31.55 89.12 92.36 54.00 38.36 Average 2483.500 7.40 27.80 31.55 41.55 45.20 54.00 -8.80 Average 7.40 27.80 31.55 41.58 45.23 54.00 -8.77 Average 2484.006



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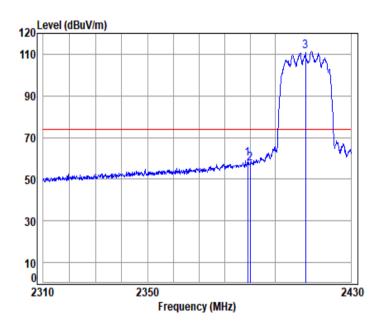


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11ax\_20M\_TX\_CH\_01\_Horizontal-Peak



Condition: 3m HORIZONTAL Job No : 04705AT/04706AT Mode : 2412 Band edge

: 2.4G Wi-Fi 11ax20

			1 110/						
		Cable	Ant	Preamp	Read		Limit	0ver	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	2389.121	6.82	27.46	31.54	57.02	59.76	74.00	-14.24	peak
2						57.65			
3 рр	2412.000								•



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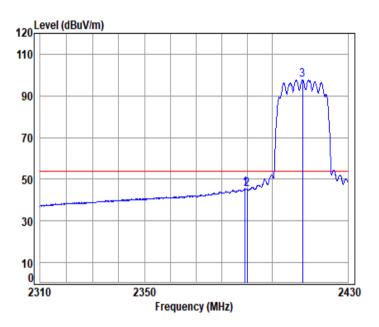


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11ax\_20M\_TX\_CH\_01\_Horizontal-Avg



Condition: 3m HORIZONTAL Job No : 04705AT/04706AT Mode : 2412 Band edge

: 2.4G Wi-Fi 11ax20

			Cable	Ant	Preamp	Read		Limit	0ver		
		Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark	
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		۱
1		2389.242	6.82	27.46	31.54	42.87	45.61	54.00	-8.39	Average	
		2390.000								Average	
3	рр	2412.000								_	



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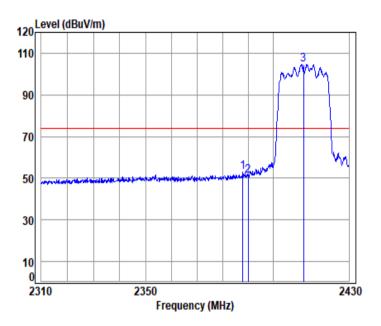


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Report No.: SZCR241200470504

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11ax\_20M\_TX\_CH\_01\_Vertical-Peak



Condition: 3m VERTICAL Job No : 04705AT/04706AT Mode : 2412 Band edge

: 2.4G Wi-Fi 11ax20

			1 110/						
		Cable	Ant	Preamp	Read		Limit	0ver	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	2387.912	6.82	27.45	31.54	50.05	52.78	74.00	-21.22	peak
2									
3 рр	2412.000								•



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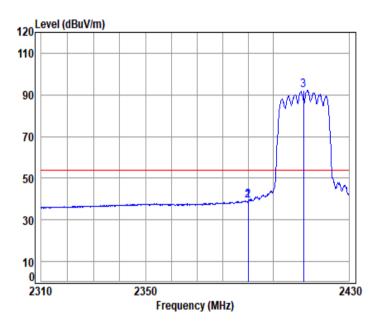


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11ax\_20M\_TX\_CH\_01\_Vertical-Avg



Condition: 3m VERTICAL Job No : 04705AT/04706AT Mode : 2412 Band edge

: 2.4G Wi-Fi 11ax20

			Cable	Ant	Preamp	Read		Limit	0ver	
		Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1		2389.968	6.82	27.46	31.54	36.39	39.13	54.00	-14.87	Average
2		2390.000	6.82	27.46	31.54	36.39	39.13	54.00	-14.87	Average
3	pp	2412.000	6.91	27.52	31.54	89.18	92.07	54.00	38.07	Average



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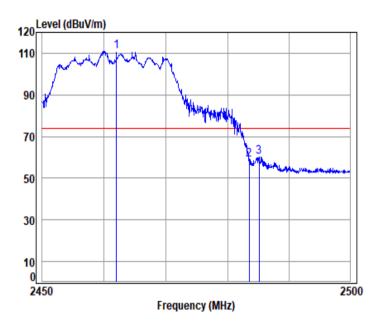


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11ax\_20M\_TX\_CH\_11\_Horizontal-Peak



Condition: 3m HORIZONTAL Job No : 04705AT/04706AT Mode : 2462 Band edge

: 2.4G Wi-Fi 11ax20

			Cable	Ant	Preamp	Read		Limit	0ver		
		Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark	
											_
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
1	pp	2462.000	7.25	27.67	31.55	107.43	110.80	74.00	36.80	peak	
		2483.500									
3		2485.145	7.41	27.81	31.55	56.57	60.24	74.00	-13.76	peak	



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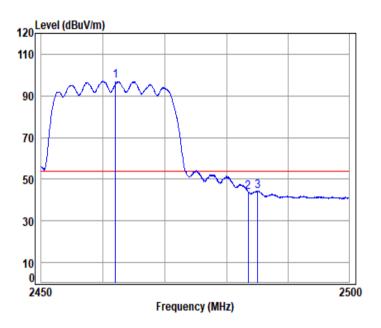


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11ax\_20M\_TX\_CH\_11\_Horizontal-Avg



Condition: 3m HORIZONTAL Job No : 04705AT/04706AT Mode : 2462 Band edge

: 2.4G Wi-Fi 11ax20

			Cable	Ant	Preamp	Read		Limit	0ver		
		Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark	
											_
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
1	pp	2462.000	7.25	27.67	31.55	93.60	96.97	54.00	42.97	Average	
2		2483.500	7.40	27.80	31.55	40.25	43.90	54.00	-10.10	Average	
3		2485.044	7.41	27.81	31.55	40.58	44.25	54.00	-9.75	Average	



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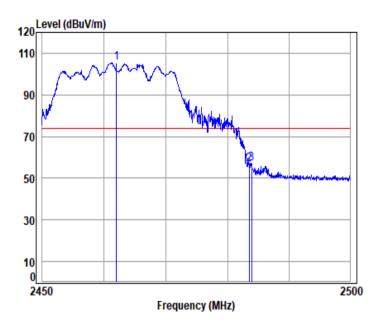


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11ax\_20M\_TX\_CH\_11\_Vertical-Peak



Condition: 3m VERTICAL Job No : 04705AT/04706AT Mode : 2462 Band edge

: 2.4G Wi-Fi 11ax20

			Cable	Ant	Preamp	Read		Limit	0ver		
		Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark	
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
1	pp	2462.000	7.25	27.67	31.55	101.88	105.25	74.00	31.25	peak	
		2483.500								•	
		2483.940								•	



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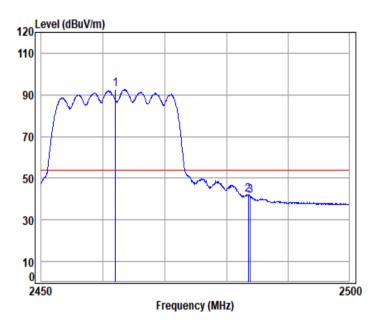


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11ax\_20M\_TX\_CH\_11\_Vertical-Avg



Condition: 3m VERTICAL Job No : 04705AT/04706AT Mode : 2462 Band edge

: 2.4G Wi-Fi 11ax20

					Preamp						
		Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark	
	-	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	——dB		-
1	pp	2462.000	7.25	27.67	31.55	89.16	92.53	54.00	38.53	Average	
2		2483.500	7.40	27.80	31.55	38.16	41.81	54.00	-12.19	Average	
3		2483.840	7.40	27.80	31.55	37.76	41.41	54.00	-12.59	Average	



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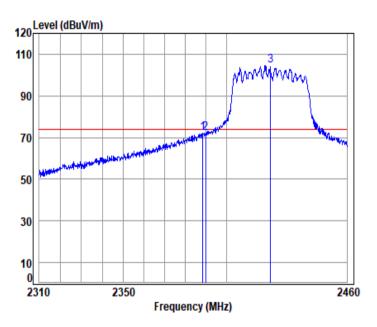


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11ax\_40M\_TX\_CH\_03\_Horizontal-Peak



Condition: 3m HORIZONTAL Job No : 04705AT/04706AT Mode : 2422 Band edge

: 2.4G Wi-Fi 11ax40

		Cable	Ant	Preamp	Read		Limit	0ver	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	•								
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
			,						
1	2388.474	6.82	27.45	31.54	69.27	72.00	74.00	-2.00	neak
_									•
2	2390.000	6.82	27.46	31.54	69.16	71.90	74.00	-2.10	peak
3 pp	2422.000	6.98	27.54	31.54	101.45	104.43	74.00	30.43	peak



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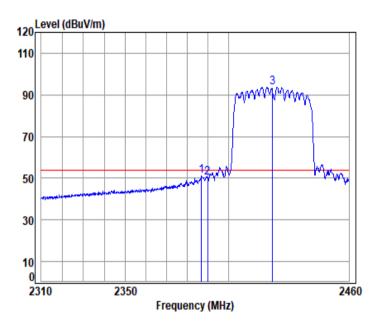


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11ax\_40M\_TX\_CH\_03\_Horizontal-Avg



Condition: 3m HORIZONTAL Job No : 04705AT/04706AT Mode : 2422 Band edge

: 2.4G Wi-Fi 11ax40

			Cable	Ant	Preamp	Read		Limit	0ver		
		Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark	
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
1		2386.972	6.82	27.45	31.54	48.56	51.29	54.00	-2.71	Average	
2		2390.000	6.82	27.46	31.54	47.24	49.98	54.00	-4.02	Average	
3	pp	2422.000	6.98	27.54	31.54	90.77	93.75	54.00	39.75	Average	



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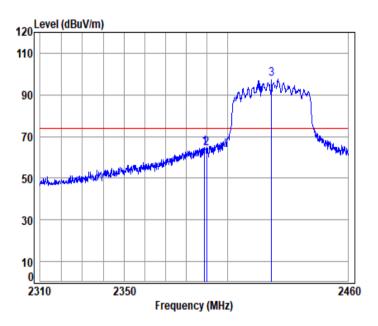


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11ax\_40M\_TX\_CH\_03\_Vertical-Peak



Condition: 3m VERTICAL Job No : 04705AT/04706AT Mode : 2422 Band edge

: 2.4G Wi-Fi 11ax40

		Frea			Preamp Factor					Remark	
											_
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
1		2388.925	6.82	27.46	31.54	61.87	64.61	74.00	-9.39	peak	
2		2390.000	6.82	27.46	31.54	61.65	64.39	74.00	-9.61	peak	
3	pp	2422.000	6.98	27.54	31.54	94.70	97.68	74.00	23.68	peak	



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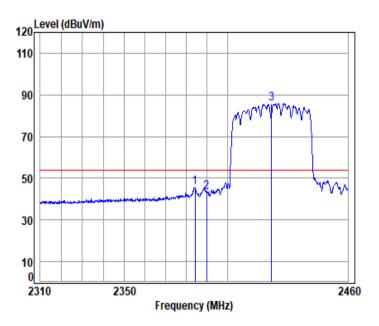


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11ax\_40M\_TX\_CH\_03\_Vertical-Avg



Condition: 3m VERTICAL Job No : 04705AT/04706AT Mode : 2422 Band edge

: 2.4G Wi-Fi 11ax40

		Freq			Preamp Factor					Remark
	-	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1		2384.420	6.82	27.44	31.54	42.91	45.63	54.00	-8.37	Average
2		2390.000	6.82	27.46	31.54	40.42	43.16	54.00	-10.84	Average
3	pp	2422.000	6.98	27.54	31.54	82.80	85.78	54.00	31.78	Average



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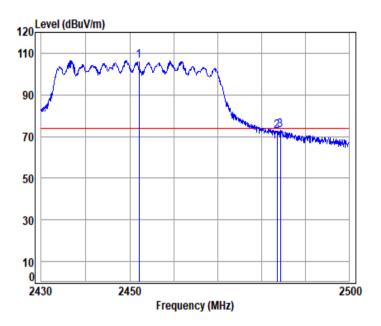


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11ax\_40M\_TX\_CH\_09\_Horizontal-Peak



Condition: 3m HORIZONTAL Job No : 04705AT/04706AT Mode : 2452 Band edge

: 2.4G Wi-Fi 11ax40

				1 1141						
			Cable	Ant	Preamp	Read		Limit	0ver	
		Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	pp	2452.000	7.18	27.61	31.55	103.26	106.50	74.00	32.50	peak
2		2483.500	7.40	27.80	31.55	69.10	72.75	74.00	-1.25	peak
3		2484.288	7.40	27.81	31.55	69.13	72.79	74.00	-1.21	peak



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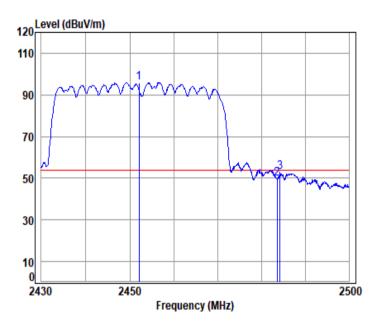


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11ax\_40M\_TX\_CH\_09\_Horizontal-Avg



Condition: 3m HORIZONTAL Job No : 04705AT/04706AT Mode : 2452 Band edge : 2.4G Wi-Fi 11ax40

> Ant Preamp Read Limit 0ver Freq Loss Factor Factor Level Level Line Limit Remark dBuV dBuV/m dBuV/m MHz dB/m dB

1 pp 2452.000 7.18 27.61 31.55 92.72 95.96 54.00 41.96 Average 2483.500 7.40 27.80 31.55 45.99 49.64 54.00 -4.36 Average 3 2484.147 7.40 27.80 31.55 49.27 52.92 54.00 -1.08 Average



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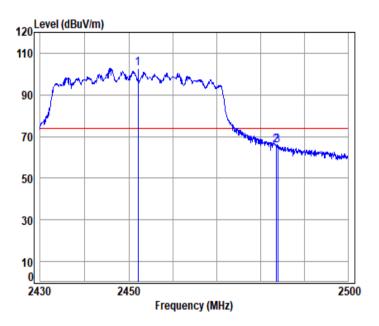


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11ax\_40M\_TX\_CH\_09\_Vertical-Peak



Condition: 3m VERTICAL Job No : 04705AT/04706AT Mode : 2452 Band edge

: 2.4G Wi-Fi 11ax40

			Cable	Ant	Preamp	Read		Limit	0ver	
	F	req	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 p	p 2452.	000	7.18	27.61	31.55	99.56	102.80	74.00	28.80	peak
	2483.									•
	2483.									-



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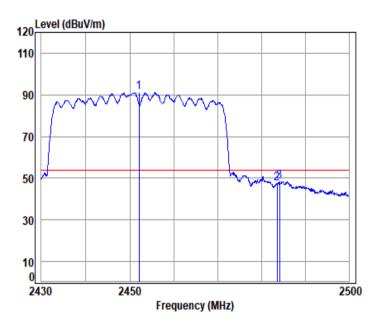


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11ax\_40M\_TX\_CH\_09\_Vertical-Avg



Condition: 3m VERTICAL Job No : 04705AT/04706AT Mode : 2452 Band edge : 2.4G Wi-Fi 11ax40

> Ant Preamp Read Limit 0ver Freq Loss Factor Factor Level Level Line Limit Remark dBuV dBuV/m dBuV/m MHz dB/m dB

1 pp 2452.000 7.18 27.61 31.55 87.85 91.09 54.00 37.09 Average 2483.500 7.40 27.80 31.55 43.65 47.30 54.00 -6.70 Average 3 2484.076 7.40 27.80 31.55 44.86 48.51 54.00 -5.49 Average



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#### 7.3 Radiated Spurious Emissions Below 1GHz

Test Requirement 47 CFR Part 15, Subpart C 15.205 & 15.209

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: 23.2 °C Humidity: 45.6 % RH Atmospheric Pressure: 1020 mbar

#### 7.3.2 Test Mode Description

	<u> </u>						
Pre-scan / Final test	Mode Code	Description					
Final test	04	TX mode_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 1Mbps is the worst case of IEEE 802.11b; data rate @ 6Mbps is the worst case of IEEE 802.11g; data rate @ MCS0 is the worst case of IEEE 802.11n/ax 20/40, Only the data of worst case is recorded in the report.					



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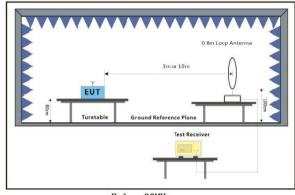


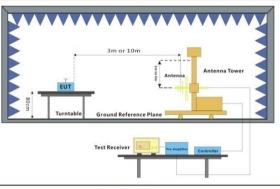
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#### 7.3.3 Test Setup Diagram





Below 30MHz

30MHz-1GHz

#### 7.3.4 Measurement Procedure and Data

- a. For below 1GHz, the EUT was placed on the top of a rotating table 0.8 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. 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. 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.



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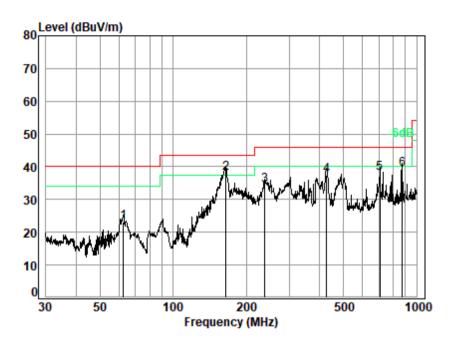


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Test Mode: 04; Polarity: Horizontal



Site : chamber

Condition: 3m HORIZONTAL Job No. : 04705AT/04706AT

Test Mode: 04

		Ant	Cable	Preamp	Read		Limit	0ver	
	Freq	Factor	Loss	Factor	Level	Level	Line	Limit	Remark
-	MHz	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	——dB	
1	62.431	11.23	0.97	27.70	38.67	23.17	40.00	-16.83	QP
2 q	164.908	13.21	1.61	27.32	50.46	37.96	43.50	-5.54	QP
3	238.310	17.07	1.95	27.01	42.29	34.30	46.00	-11.70	QP
4	426.521	20.79	2.68	27.26	41.30	37.51	46.00	-8.49	QP
5	706.700	25.97	3.56	27.71	36.06	37.88	46.00	-8.12	QP
6	875.247	27.67	4.06	26.94	34.41	39.20	46.00	-6.80	OP .



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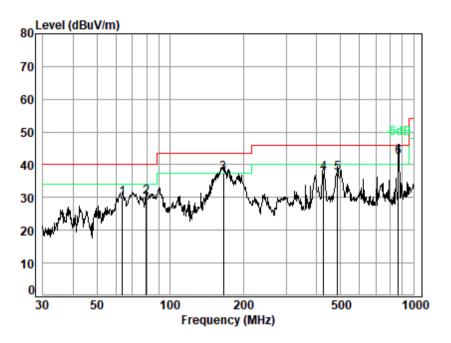


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Test Mode: 04; Polarity: Vertical



Site : chamber

Condition: 3m VERTICAL

Job No. : 04705AT/04706AT

Test Mode: 04

		Ant	Cable	Preamp	Read		Limit	0ver	
	Freq	Factor	Loss	Factor	Level	Level	Line	Limit	Remark
-	MHz	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB	
1	63.759	11.12	0.98	27.69	45.36	29.77	40.00	-10.23	QP
2	79.800	10.44	1.09	27.65	46.32	30.20	40.00	-9.80	QP
3	165.487	13.18	1.61	27.31	49.98	37.46	43.50	-6.04	QP
4	426.521	20.79	2.68	27.26	41.27	37.48	46.00	-8.52	QP
5	487.315	22.86	2.88	27.51	39.18	37.41	46.00	-8.59	QP
6 a	866.088	27.66	4.04	27.01	37.66	42.35	46.00	-3.65	OP



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#### 7.4 Radiated Spurious Emissions Above 1GHz

Test Requirement 47 CFR Part 15, Subpart C 15.205 & 15.209

Test Method: ANSI C63.10 (2013) Section 6.6

Measurement Distance: 3m

#### Limit:

Frequency(MHz)	Field strength(microvolts/meter)	Measurement distance(meters)
Above 1000	500	3

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

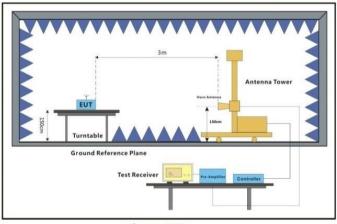
Operating Environment:

Humidity: 50.8 % RH Temperature: 24.5 °C Atmospheric Pressure: 1020 mbar

#### 7.4.2 Test Mode Description

77.112 1 0 0 t 111 0 0 0 0 0 0 1 p 11 0 11							
Pre-scan / Final test	Mode Code	Description					
Final test	04	TX mode_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 1Mbps is the worst case of IEEE 802.11b; data rate @ 6Mbps is the worst case of IEEE 802.11g; data rate @ MCS0 is the worst case of IEEE 802.11n/ax 20/40, Only the data of worst case is recorded in the report.					

#### 7.4.3 Test Setup Diagram



Above 1GHz



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#### 7.4.4 Measurement Procedure and Data

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

#### Remark:

- 1. Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor
- 2. Scan from 1GHz to 25GHz, 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 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.
- 5:For fundamental and harmonic signal measurement, the resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is ≥1/T (Duty cycle<98%) or 10Hz (Duty cycle ≥ 98%) for Average detection (AV) at frequency above 1GHz.



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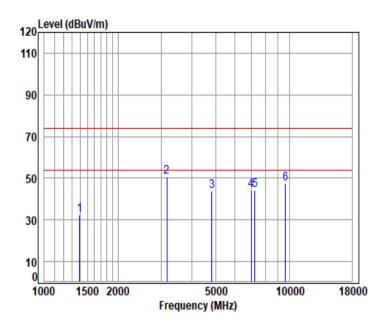


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11b TX CH 01 Horizontal



Condition: 3m HORIZONTAL Job No : 04705AT/04706AT Mode : 2412 TX RSE

: 2.4G Wi-Fi 11b

Cable Ant Preamp Read Limit 0ver Freq Loss Factor Factor Level Level Line Limit Remark MHz dB dB/m dBuV dBuV/m dBuV/m 1394.300 7.21 25.01 54.70 54.70 32.22 74.00 -41.78 peak 2 pp 3168.500 7.70 29.20 55.10 68.79 50.59 74.00 -23.41 peak 3 4824.000 8.92 32.00 56.18 59.27 44.01 74.00 -29.99 peak 4 6995.172 10.96 36.19 56.70 53.80 44.25 74.00 -29.75 peak 5 7236.000 11.10 36.60 56.51 53.09 44.28 74.00 -29.72 peak 9648.000 12.49 38.70 54.42 50.89 47.66 74.00 -26.34 peak



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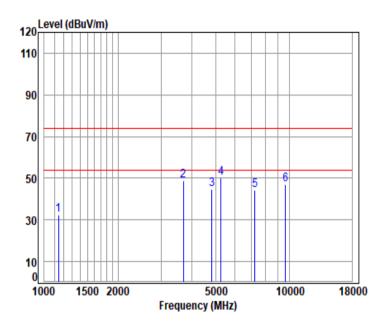


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11b\_TX\_CH\_01\_Vertical



Condition: 3m VERTICAL Job No : 04705AT/04706AT Mode : 2412 TX RSE

: 2.4G Wi-Fi 11b

	Freq			Preamp Factor					Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1145.507	7.14	25.42	54.70	54.74	32.60	74.00	-41.40	peak
2	3693.033	7.88	29.80	55.42	66.42	48.68	74.00	-25.32	Peak
3	4824.000	8.92	32.00	56.18	59.92	44.66	74.00	-29.34	peak
4 pp	5269.649	9.31	32.64	56.46	64.79	50.28	74.00	-23.72	peak
5	7236.000	11.10	36.60	56.51	53.26	44.45	74.00	-29.55	peak
6	9648.000	12.49	38.70	54.42	50.40	47.17	74.00	-26.83	peak



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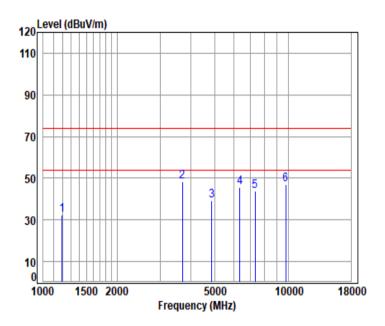


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11b\_TX\_CH\_06\_Horizontal



Condition: 3m HORIZONTAL Job No : 04705AT/04706AT Mode : 2462 TX RSE

: 2.4G Wi-Fi 11b

	Freq			Preamp Factor					Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	——dB	
1	1192.811	7.18	25.31	54.70	54.83	32.62	74.00	-41.38	peak
	3693.033								
3	4874.000	8.97	32.15	56.21	54.33	39.24	74.00	-34.76	peak
4	6340.436	10.55	34.68	56.83	57.05	45.45	74.00	-28.55	peak
5	7311.000	11.11	36.72	56.45	52.56	43.94	74.00	-30.06	peak
6	9748.000	12.80	38.60	54.33	49.73	46.80	74.00	-27.20	peak



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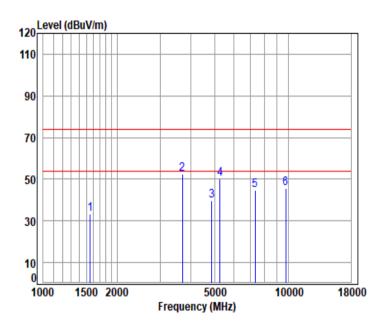


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11b\_TX\_CH\_06\_Vertical



Condition: 3m VERTICAL Job No : 04705AT/04706AT Mode : 2462 TX RSE

: 2.4G Wi-Fi 11b

	Freq			Preamp Factor					Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1556.169	7.15	25.01	54.70	56.04	33.50	74.00	-40.50	peak
2 pp	3693.033	7.88	29.80	55.42	70.09	52.35	74.00	-21.65	Peak
3	4874.000	8.97	32.15	56.21	54.91	39.82	74.00	-34.18	peak
4	5269.649	9.31	32.64	56.46	64.81	50.30	74.00	-23.70	peak
5	7311.000	11.11	36.72	56.45	53.23	44.61	74.00	-29.39	peak
6	9748.000	12.80	38.60	54.33	48.77	45.84	74.00	-28.16	peak



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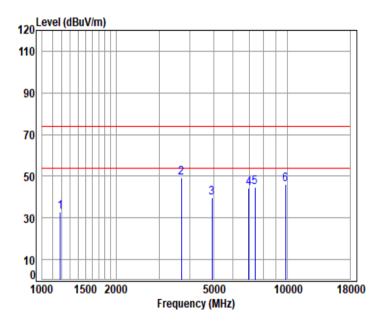


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### 11b\_TX\_CH\_11\_Horizontal



Condition: 3m HORIZONTAL Job No : 04705AT/04706AT Mode : 2437 TX RSE

: 2.4G Wi-Fi 11b

	Freq			Preamp Factor					Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1182.513	7.17	25.33	54.70	54.86	32.66	74.00	-41.34	peak
2 pp	3693.033	7.88	29.80	55.42	66.88	49.14	74.00	-24.86	Peak
3	4924.000	9.03	32.20	56.25	54.84	39.82	74.00	-34.18	peak
4	6954.852	10.95	36.11	56.71	53.97	44.32	74.00	-29.68	peak
5	7386.000	11.19	36.73	56.39	53.35	44.88	74.00	-29.12	peak
6	9848.000	12.84	37.83	54.24	49.64	46.07	74.00	-27.93	peak



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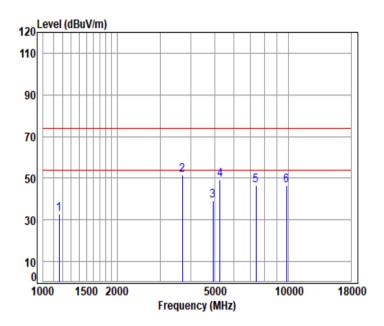


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11b\_TX\_CH\_11\_Vertical



Condition: 3m VERTICAL Job No : 04705AT/04706AT Mode : 2437 TX RSE

: 2.4G Wi-Fi 11b

		Cable	Ant	Preamp	Read		Limit	0ver	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB				dD.M/m	dD.M/m	dB	
	МПZ	ub	ub/m	dB	ubuv	ubuv/m	ubuv/m	ub	
1	1162.182	7.16	25.38	54.70	55.11	32.95	74.00	-41.05	peak
2 pp	3693.033	7.88	29.80	55.42	69.14	51.40	74.00	-22.60	Peak
3	4924.000	9.03	32.20	56.25	54.31	39.29	74.00	-34.71	peak
4	5269.649	9.31	32.64	56.46	63.85	49.34	74.00	-24.66	peak
5	7386.000	11.19	36.73	56.39	54.86	46.39	74.00	-27.61	peak
6	9848.000	12.84	37.83	54.24	50.14	46.57	74.00	-27.43	peak



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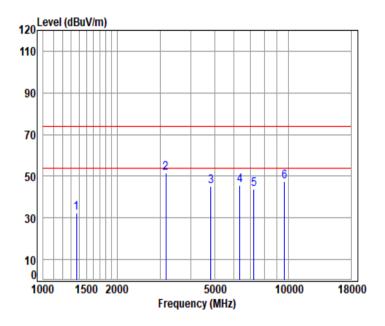


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### 11n\_20M\_TX\_CH\_01\_Horizontal



Condition: 3m HORIZONTAL Job No : 04705AT/04706AT Mode : 2412 TX RSE

: 2.4G Wi-Fi 1n20

	Freq			Preamp Factor					Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1366.374	7.19	25.07	54.70	55.01	32.57	74.00	-41.43	peak
2 pp	3168.500	7.70	29.20	55.10	69.58	51.38	74.00	-22.62	peak
3	4824.000	8.92	32.00	56.18	60.33	45.07	74.00	-28.93	peak
4	6340.436	10.55	34.68	56.83	57.06	45.46	74.00	-28.54	peak
5	7236.000	11.10	36.60	56.51	52.66	43.85	74.00	-30.15	peak
6	9648.000	12.49	38.70	54.42	50.64	47.41	74.00	-26.59	peak



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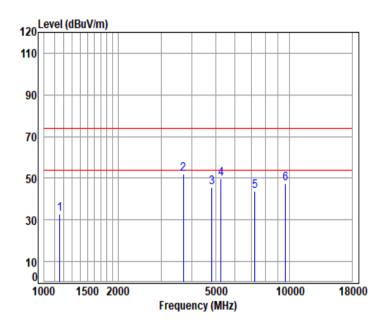


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11n\_20M\_TX\_CH\_01\_Vertical



Condition: 3m VERTICAL : 04705AT/04706AT Mode : 2412 TX RSE

: 2.4G Wi-Fi 1n20

Ant Preamp Limit 0ver Read Loss Factor Factor Line Limit Remark Freq Level Level dBuV dBuV/m dBuV/m MHz dB/m 1155.483 7.15 25.39 54.70 55.11 32.95 74.00 -41.05 peak 2 pp 3693.033 7.88 29.80 55.42 69.69 51.95 74.00 -22.05 Peak 3 4824.000 8.92 32.00 56.18 60.71 45.45 74.00 -28.55 peak 4 5269.649 9.31 32.64 56.46 64.40 49.89 74.00 -24.11 peak 5 11.10 36.60 56.51 52.70 43.89 74.00 -30.11 peak 7236,000 9648.000 12.49 38.70 54.42 50.48 47.25 74.00 -26.75 peak



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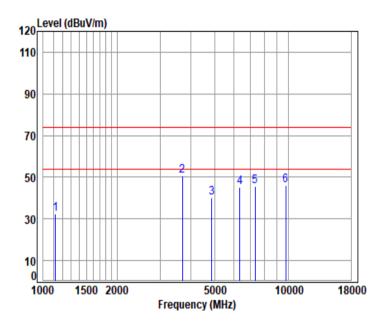


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### 11n\_20M\_TX\_CH\_06\_Horizontal



Condition: 3m HORIZONTAL Job No : 04705AT/04706AT Mode : 2437 TX RSE

: 2.4G Wi-Fi 1n20

				Preamp					
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1122.563	7.12	25.51	54.70	54.58	32.51	74.00	-41.49	peak
2 pp	3693.033	7.88	29.80	55.42	68.29	50.55	74.00	-23.45	Peak
3	4874.000	8.97	32.15	56.21	55.31	40.22	74.00	-33.78	peak
4	6340.436	10.55	34.68	56.83	56.63	45.03	74.00	-28.97	peak
5	7311.000	11.11	36.72	56.45	54.11	45.49	74.00	-28.51	peak
6	9748.000	12.80	38.60	54.33	49.05	46.12	74.00	-27.88	peak



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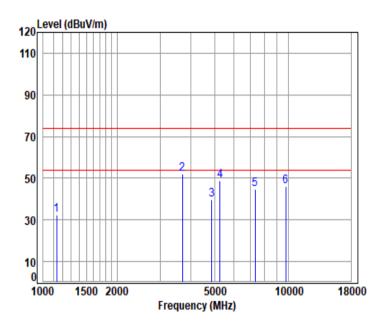


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11n\_20M\_TX\_CH\_06\_Vertical



Condition: 3m VERTICAL Job No : 04705AT/04706AT Mode : 2437 TX RSE

: 2.4G Wi-Fi 1n20

	Грод			Preamp					Pamanle
	Freq	LOSS	Factor	Factor	rever	rever	Line	LIMIT	Kemark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1135.617	7.13	25.46	54.70	54.58	32.47	74.00	-41.53	peak
2 pp	3693.033	7.88	29.80	55.42	69.59	51.85	74.00	-22.15	Peak
3	4874.000	8.97	32.15	56.21	54.62	39.53	74.00	-34.47	peak
4	5269.649	9.31	32.64	56.46	63.54	49.03	74.00	-24.97	peak
5	7311.000	11.11	36.72	56.45	53.23	44.61	74.00	-29.39	peak
6	9748.000	12.80	38.60	54.33	48.96	46.03	74.00	-27.97	peak



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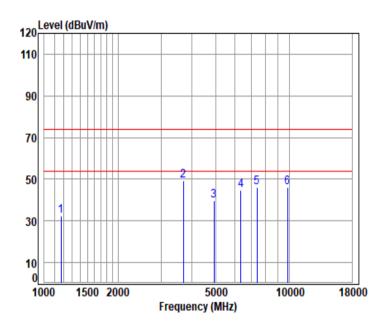


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### 11n\_20M\_TX\_CH\_11\_Horizontal



Condition: 3m HORIZONTAL Job No : 04705AT/04706AT Mode : 2462 TX RSE

: 2.4G Wi-Fi 1n20

		Cable	Ant	Preamp	Read		Limit	0ver	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
			,			,	,		
1	1172.303	7.17	25.36	54.70	54.71	32.54	74.00	-41.46	peak
2 pp	3693.033	7.88	29.80	55.42	67.14	49.40	74.00	-24.60	Peak
3	4924.000	9.03	32.20	56.25	54.91	39.89	74.00	-34.11	peak
4	6340.436	10.55	34.68	56.83	56.21	44.61	74.00	-29.39	peak
5	7386.000	11.19	36.73	56.39	54.39	45.92	74.00	-28.08	peak
6	9848.000	12.84	37.83	54.24	49.78	46.21	74.00	-27.79	peak



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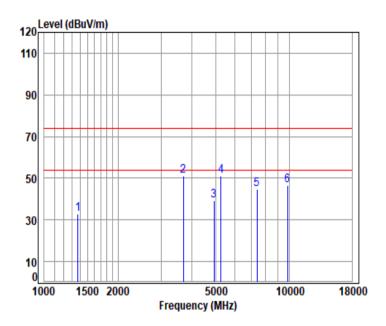


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11n\_20M\_TX\_CH\_11\_Vertical



Condition: 3m VERTICAL Job No : 04705AT/04706AT Mode : 2462 TX RSE

: 2.4G Wi-Fi 1n20

	Freq			Preamp Factor					Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1374.295	7.19	25.05	54.70	55.11	32.65	74.00	-41.35	peak
2 pp	3693.033	7.88	29.80	55.42	68.88	51.14	74.00	-22.86	Peak
3	4924.000	9.03	32.20	56.25	54.33	39.31	74.00	-34.69	peak
4	5269.649	9.31	32.64	56.46	65.60	51.09	74.00	-22.91	peak
5	7386.000	11.19	36.73	56.39	53.29	44.82	74.00	-29.18	peak
6	9848.000	12.84	37.83	54.24	50.07	46.50	74.00	-27.50	peak



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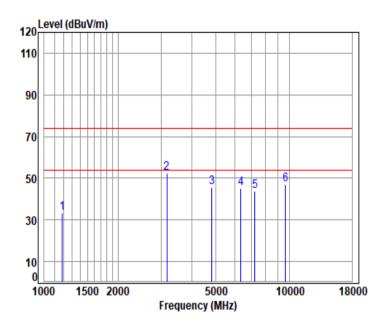


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11ax\_20M\_TX\_CH\_01\_Horizontal



Condition: 3m HORIZONTAL Job No : 04705AT/04706AT Mode : 2412 TX RSE

: 2.4G Wi-Fi 11ax20

		Cable	Ant	Preamp	Read		Limit	0ver	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	——dB	
			•						
1	1182.513	7.17	25.33	54.70	55.36	33.16	74.00	-40.84	peak
2 pp	3168.500	7.70	29.20	55.10	70.63	52.43	74.00	-21.57	peak
3	4824.000	8.92	32.00	56.18	60.83	45.57	74.00	-28.43	peak
4	6340.436	10.55	34.68	56.83	56.74	45.14	74.00	-28.86	peak
5	7236.000	11.10	36.60	56.51	52.60	43.79	74.00	-30.21	peak
6	9648.000	12.49	38.70	54.42	50.09	46.86	74.00	-27.14	peak



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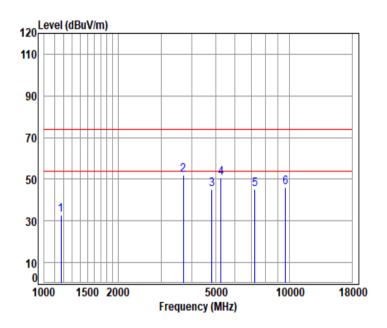


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11ax\_20M\_TX\_CH\_01\_Vertical



Condition: 3m VERTICAL Job No : 04705AT/04706AT Mode : 2412 TX RSE

: 2.4G Wi-Fi 11ax20

	Freq			Preamp Factor					Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1172.303	7.17	25.36	54.70	55.14	32.97	74.00	-41.03	peak
2 pp	3693.033	7.88	29.80	55.42	69.66	51.92	74.00	-22.08	Peak
3	4824.000	8.92	32.00	56.18	60.32	45.06	74.00	-28.94	peak
4	5269.649	9.31	32.64	56.46	65.22	50.71	74.00	-23.29	peak
5	7236.000	11.10	36.60	56.51	53.84	45.03	74.00	-28.97	peak
6	9648.000	12.49	38.70	54.42	49.53	46.30	74.00	-27.70	peak



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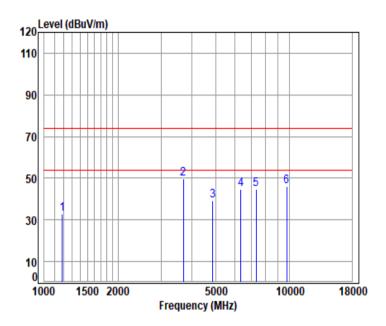


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### 11ax\_20M\_TX\_CH\_06\_Horizontal



Condition: 3m HORIZONTAL Job No : 04705AT/04706AT Mode : 2437 TX RSE

: 2.4G Wi-Fi 11ax20

				Preamp					
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1185.936	7.18	25.33	54.70	55.06	32.87	74.00	-41.13	peak
2 pp	3693.033	7.88	29.80	55.42	67.27	49.53	74.00	-24.47	Peak
3	4874.000	8.97	32.15	56.21	54.34	39.25	74.00	-34.75	peak
4	6340.436	10.55	34.68	56.83	56.38	44.78	74.00	-29.22	peak
5	7311.000	11.11	36.72	56.45	53.19	44.57	74.00	-29.43	peak
6	9748.000	12.80	38.60	54.33	49.04	46.11	74.00	-27.89	peak



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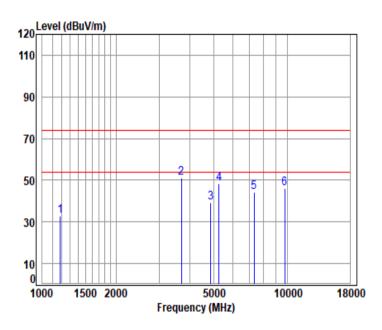


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11ax\_20M\_TX\_CH\_06\_Vertical



Condition: 3m VERTICAL Job No : 04705AT/04706AT Mode : 2437 TX RSE

: 2.4G Wi-Fi 11ax20

	Freq			Preamp Factor					Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1182.513	7.17	25.33	54.70	55.07	32.87	74.00	-41.13	peak
2 pp	3693.033	7.88	29.80	55.42	68.94	51.20	74.00	-22.80	Peak
3	4874.000	8.97	32.15	56.21	54.35	39.26	74.00	-34.74	peak
4	5269.649	9.31	32.64	56.46	62.86	48.35	74.00	-25.65	peak
5	7311.000	11.11	36.72	56.45	53.07	44.45	74.00	-29.55	peak
6	9748.000	12.80	38.60	54.33	49.01	46.08	74.00	-27.92	peak



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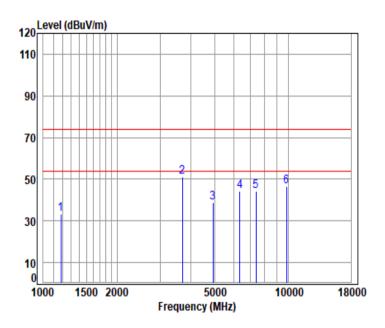


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11ax\_20M\_TX\_CH\_11\_Horizontal



Condition: 3m HORIZONTAL Job No : 04705AT/04706AT Mode : 2462 TX RSE

: 2.4G Wi-Fi 11ax20

	Freq			Preamp Factor					Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1179.100	7.17	25.34	54.70	55.41	33.22	74.00	-40.78	peak
2 pp	3693.033	7.88	29.80	55.42	68.92	51.18	74.00	-22.82	peak
3	4924.000	9.03	32.20	56.25	53.78	38.76	74.00	-35.24	peak
4	6340.436	10.55	34.68	56.83	55.90	44.30	74.00	-29.70	peak
5	7386.000	11.19	36.73	56.39	52.81	44.34	74.00	-29.66	peak
6	9848.000	12.84	37.83	54.24	50.01	46.44	74.00	-27.56	peak



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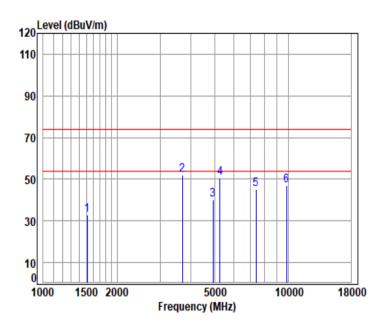


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11ax\_20M\_TX\_CH\_11\_Vertical



Condition: 3m VERTICAL Job No : 04705AT/04706AT Mode : 2462 TX RSE

: 2.4G Wi-Fi 11ax20

	Freq	Cable Loss		Preamp Factor					Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1511.833	7.21	24.92	54.70	55.65	33.08	74.00	-40.92	peak
2 pp	3693.033	7.88	29.80	55.42	69.64	51.90	74.00	-22.10	Peak
3	4924.000	9.03	32.20	56.25	55.26	40.24	74.00	-33.76	peak
4	5269.649	9.31	32.64	56.46	64.95	50.44	74.00	-23.56	peak
5	7386.000	11.19	36.73	56.39	53.72	45.25	74.00	-28.75	peak
6	9848.000	12.84	37.83	54.24	50.49	46.92	74.00	-27.08	peak



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### 7.5 Conducted Peak Output Power

Test Requirement 47 CFR Part 15, Subpart C 15.247(b)(3) Test Method: ANSI C63.10 (2013) Section 11.9.2

#### Limit:

Frequency range(MHz)	Output power of the intentional radiator(watt)
	1 for ≥50 hopping channels
902-928	0.25 for 25≤ hopping channels <50
	1 for digital modulation
	1 for ≥75 non-overlapping hopping channels
2400-2483.5	0.125 for all other frequency hopping systems
	1 for digital modulation
5725-5850	1 for frequency hopping systems and digital modulation

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

Operating Environment:

Temperature: 22.1 °C Humidity: 44.5 % RH Atmospheric Pressure: 1020 mbar

#### 7.5.2 Test Mode Description

··· · · · · · · · · · · · · · · · · ·								
Pre-scan / Final test	Mode Code	Description						
Final test	04	TX mode_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 1Mbps is the worst case of IEEE 802.11b; data rate @ 6Mbps is the worst case of IEEE 802.11g; data rate @ MCS0 is the worst case of IEEE 802.11n/ax 20/40, Only the data of worst case is recorded in the report.						



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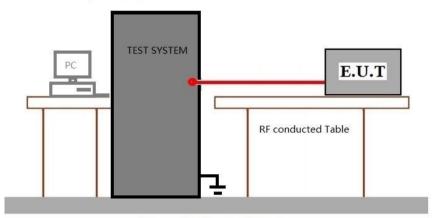


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### 7.5.3 Test Setup Diagram



Ground Reference Plane

#### 7.5.4 Measurement Procedure and Data

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

Please Refer to Appendix for Details



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#### 7.6 Minimum 6dB Bandwidth

Test Requirement 47 CFR Part 15, Subpart C 15.247a(2) Test Method: ANSI C63.10 (2013) Section 11.8.1

Limit:

≥500 kHz

### 7.6.1 E.U.T. Operation

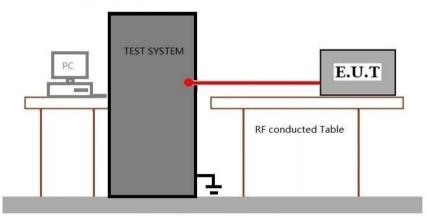
Operating Environment:

Atmospheric Pressure: 1020 mbar Temperature: 22.1 °C Humidity: 44.5 % RH

#### 7.6.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	04	TX mode_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 1Mbps is the worst case of IEEE 802.11b; data rate @ 6Mbps is the worst case of IEEE 802.11g; data rate @ MCS0 is the worst case of IEEE 802.11n/ax 20/40, Only the data of worst case is recorded in the report.

#### 7.6.3 Test Setup Diagram



Ground Reference Plane

#### 7.6.4 Measurement Procedure and Data

Please Refer to Appendix for Details



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#### 7.7 Power Spectrum Density

Test Requirement 47 CFR Part 15, Subpart C 15.247(e) Test Method: ANSI C63.10 (2013) Section 11.10.2

Limit:

≤8dBm in any 3 kHz band during any time interval of continuous transmission

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

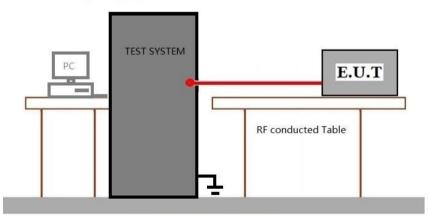
Operating Environment:

Temperature: 22.1 °C Humidity: 44.5 % RH Atmospheric Pressure: 1020 mbar

#### 7.7.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	04	TX mode_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 1Mbps is the worst case of IEEE 802.11b; data rate @ 6Mbps is the worst case of IEEE 802.11g; data rate @ MCS0 is the worst case of IEEE 802.11n/ax 20/40, Only the data of worst case is recorded in the report.

#### 7.7.3 Test Setup Diagram



Ground Reference Plane

#### 7.7.4 Measurement Procedure and Data

Please Refer to Appendix for Details



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#### 7.8 Conducted Band Edges Measurement

Test Requirement 47 CFR Part 15, Subpart C 15.247(d) Test Method: ANSI C63.10 (2013) Section 11.13.3.2

Limit:

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in §15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c).

### 7.8.1 E.U.T. Operation

Operating Environment:

Temperature: 22.1 °C Humidity: 44.5 % RH Atmospheric Pressure: 1020 mbar

#### 7.8.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description						
Final test	04	TX mode_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 1Mbps is the worst case of IEEE 802.11b; data rate @ 6Mbps is the worst case of IEEE 802.11g; data rate @ MCS0 is the worst case of IEEE 802.11n/ax 20/40, Only the data of worst case is recorded in the report.						



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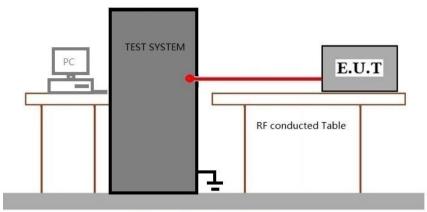


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### 7.8.3 Test Setup Diagram



Ground Reference Plane

#### 7.8.4 Measurement Procedure and Data

Please Refer to Appendix for Details



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#### 7.9 Conducted Spurious Emissions

Test Requirement 47 CFR Part 15, Subpart C 15.247(d) Test Method: ANSI C63.10 (2013) Section 11.11

Limit:

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in §15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c).

### 7.9.1 E.U.T. Operation

Operating Environment:

Temperature: 22.1 °C Humidity: 44.5 % RH Atmospheric Pressure: 1020 mbar

#### 7.9.2 Test Mode Description

	the state of the s								
Pre-scan / Final test	Mode Code	Description							
Final test	04	TX mode_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 1Mbps is the worst case of IEEE 802.11b; data rate @ 6Mbps is the worst case of IEEE 802.11g; data rate @ MCS0 is the worst case of IEEE 802.11n/ax 20/40, Only the data of worst case is recorded in the report.							



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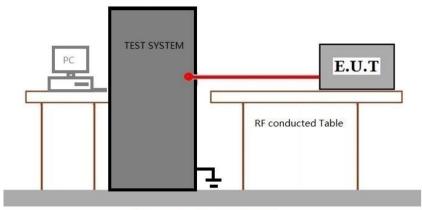


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#### 7.9.3 Test Setup Diagram



Ground Reference Plane

#### 7.9.4 Measurement Procedure and Data

Please Refer to Appendix for Details



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#### **Test Setup Photo** 8

Refer to Appendix - Test Setup Photo for SZCR2412004705AT

#### **EUT Constructional Details (EUT Photos)** 9

Refer to Appendix – External and Internal Photos for SZCR2412004705AT



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# 10 Appendix

1. Duty Cycle

1.1 Test Result

1.1.1 Ant1

	Ant1											
Mode	TX Type	Frequency (MHz)	RU	RU Pos	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)			
		2412	/	/	8.386	9.033	92.84	0.32	0.27			
802.11b	SISO	2437	/	/	8.384	9.034	92.80	0.32	0.31			
		2462	/	/	8.383	9.033	92.80	0.32	0.31			
		2412	/	/	1.392	2.040	68.24	1.66	0.90			
802.11g	SISO	2437	/	/	1.394	2.039	68.37	1.65	0.96			
		2462	/	/	1.393	2.039	68.32	1.65	0.97			
000.44	МІМО	2412	/	/	1.300	1.938	67.08	1.73	0.66			
802.11n (HT20)		2437	/	/	1.302	1.929	67.50	1.71	0.34			
(11120)		2462	/	/	1.302	1.938	67.18	1.73	0.66			
000.44	MIMO	2422	/	/	0.651	1.305	49.89	3.02	1.03			
802.11n (HT40)		2437	/	/	0.650	1.286	50.54	2.96	0.39			
(11140)		2452	/	/	0.650	1.286	50.54	2.96	0.38			
000 44		2412	SU	/	1.015	1.653	61.40	2.12	0.37			
802.11ax (HEW20)	MIMO	2437	SU	/	1.013	1.661	60.99	2.15	1.03			
(1127720)		2462	SU	/	1.014	1.661	61.05	2.14	1.00			
000 44		2422	SU	/	0.068	0.086	79.07	1.02	0.26			
802.11ax (HEW40)	MIMO	2437	SU	/	0.067	0.086	77.91	1.08	0.27			
(nevv40)		2452	SU	/	0.067	0.086	77.91	1.08	0.23			



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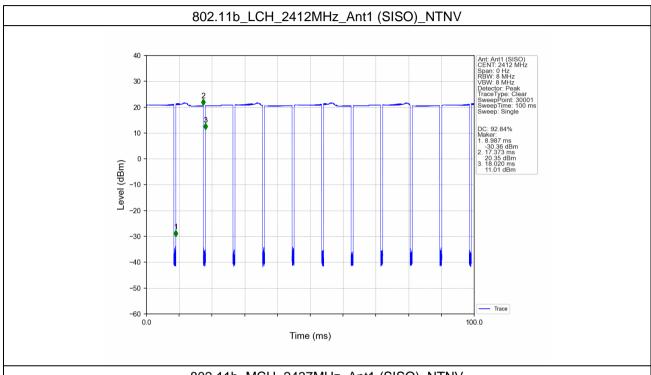
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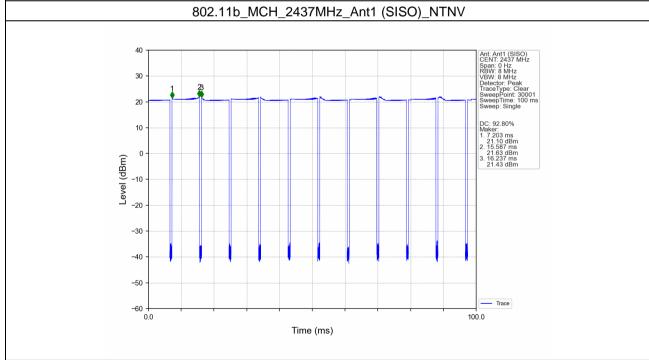
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### 1.2 Test Graph

#### 1.2.1 Ant1







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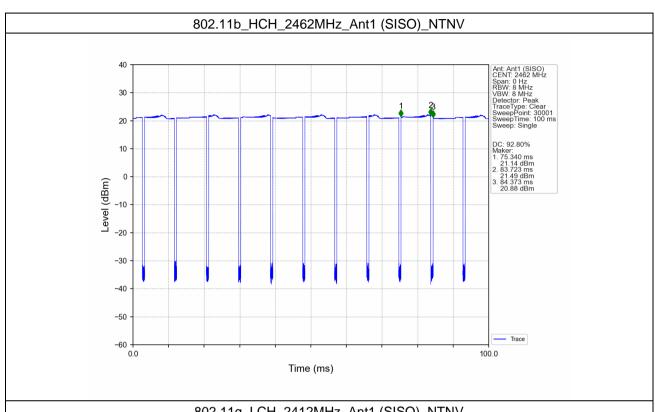
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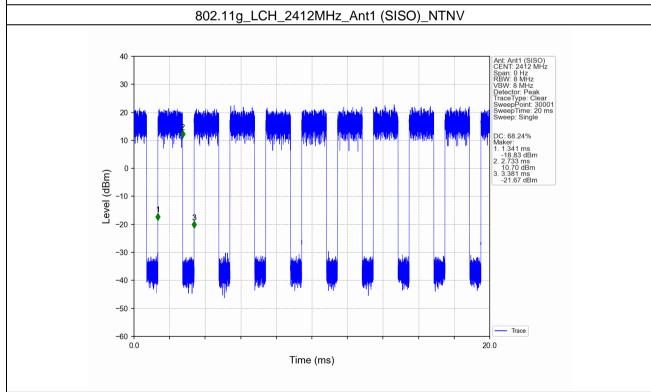


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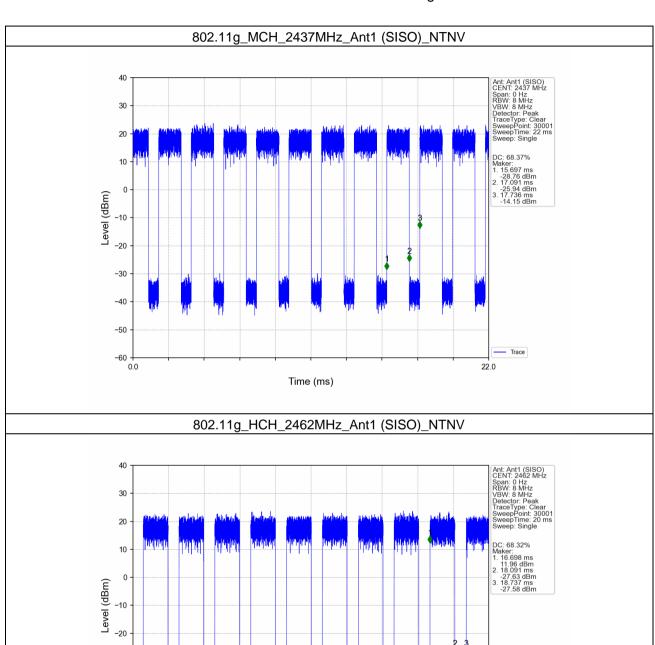
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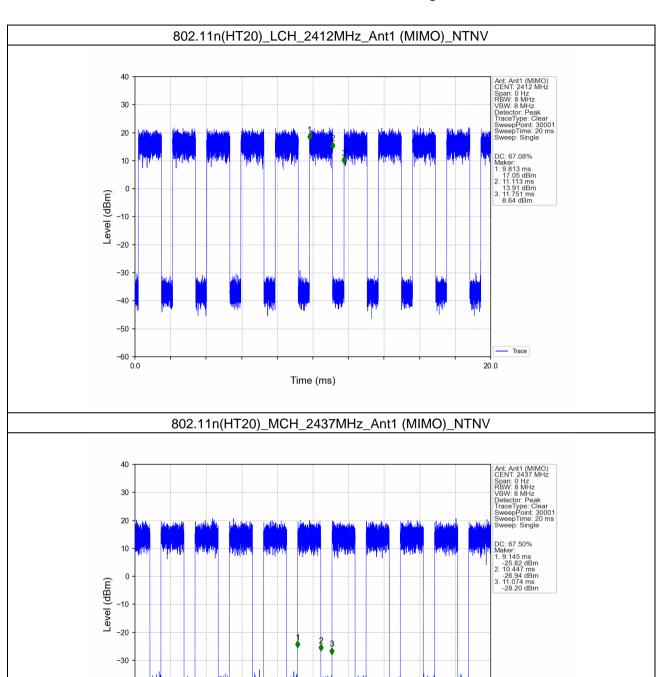
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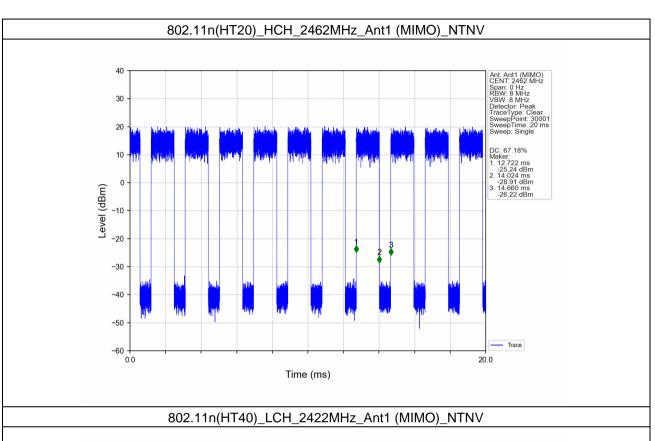
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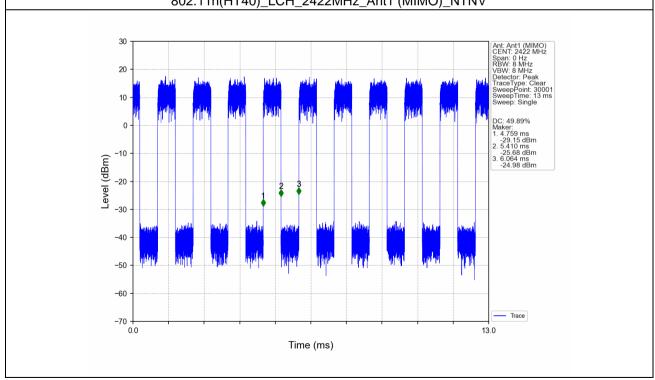


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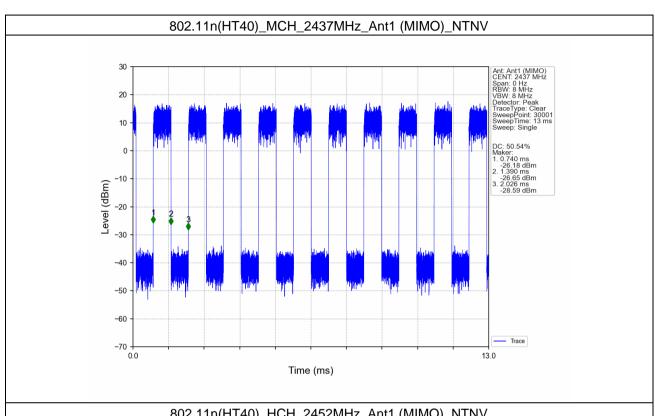
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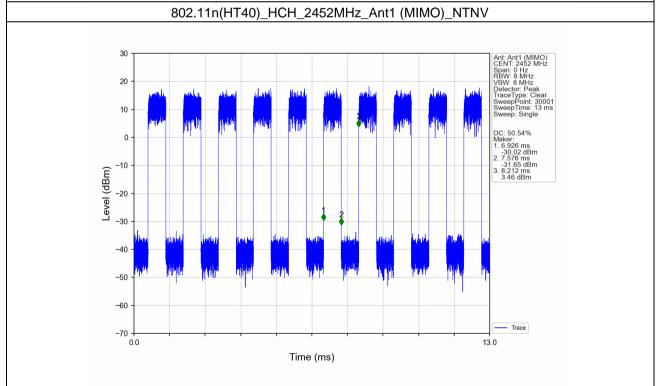


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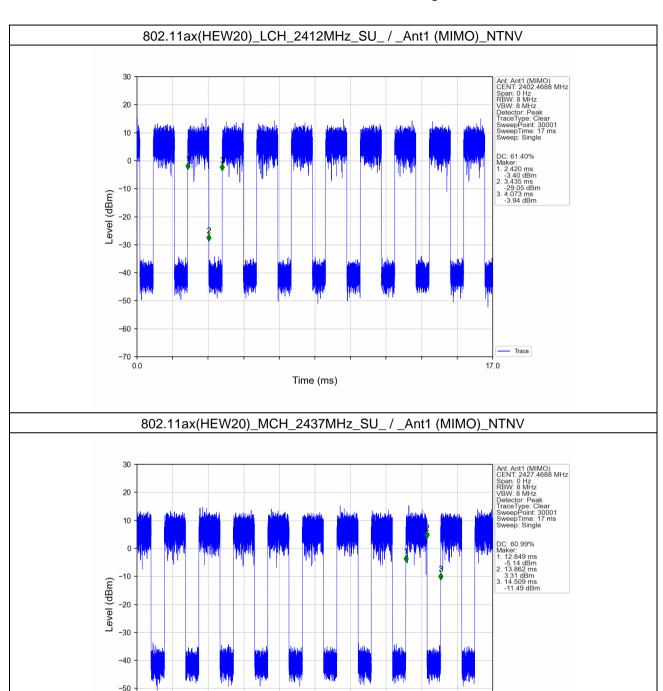
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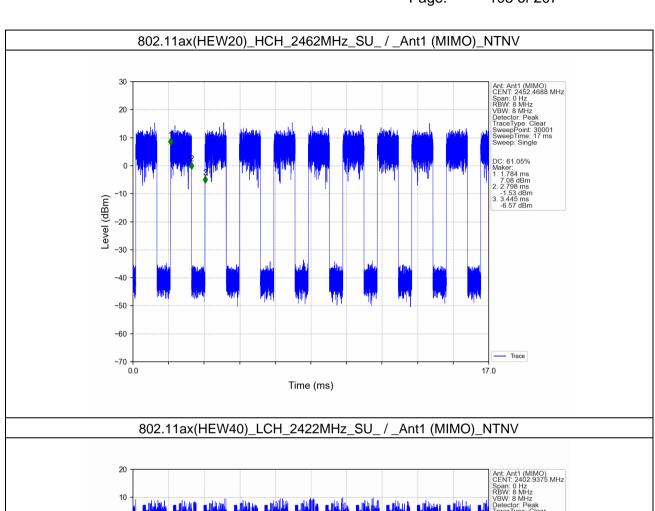
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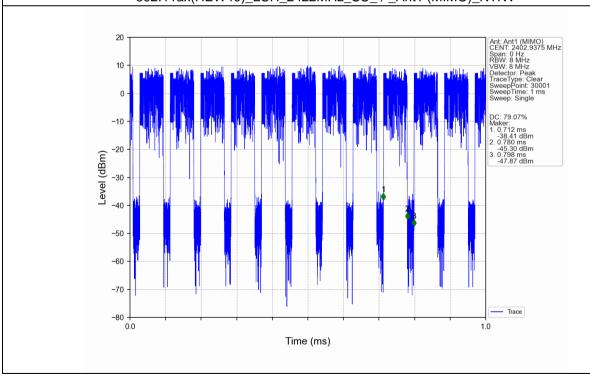


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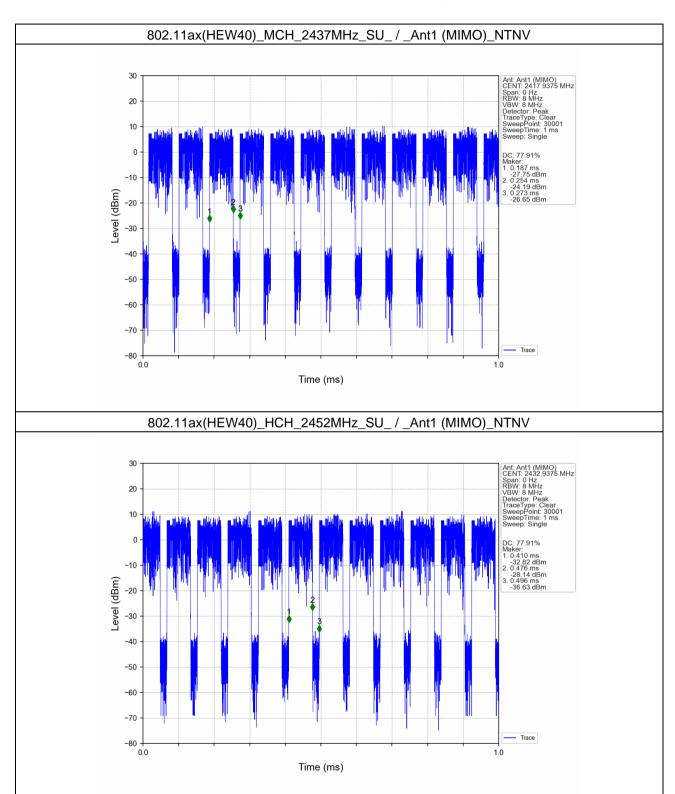
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#### 2. Bandwidth

#### 2.1 Test Result

#### 2.1.1 OBW

Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	99% Occupied Bandwidth (MHz)		Marillat
						Result	Limit	Verdict
802.11b	SISO	2412	/	/	1	12.314	/	Pass
		2437	/	/	1	12.592	/	Pass
		2462	/	/	1	12.564	/	Pass
802.11g	SISO	2412	/	/	1	17.295	/	Pass
		2437	/	/	1	19.534	/	Pass
		2462	/	/	1	19.574	/	Pass
222.44	MIMO	2412	/	/	1	18.015	/	Pass
802.11n (HT20)		2437	/	/	1	20.193	/	Pass
(11120)		2462	/	/	1	20.207	/	Pass
000 44	MIMO	2422	/	/	1	36.116	/	Pass
802.11n (HT40)		2437	/	/	1	36.105	/	Pass
		2452	/	/	1	36.114	/	Pass
802.11ax (HEW20)	MIMO	2412	SU	/	1	18.882	/	Pass
		2437	SU	/	1	19.547	/	Pass
		2462	SU	/	1	19.438	/	Pass
802.11ax (HEW40)	MIMO	2422	SU	/	1	37.992	/	Pass
		2437	SU	/	1	37.980	/	Pass
		2452	SU	/	1	38.003	/	Pass

#### 2.1.2 6dB BW

Mode	TX Type	Frequency	DII	RU Pos	ANT	6dB Bandwidth (MHz)		Vardiet
		(MHz)	RU			Result	Limit	Verdict
802.11b	SISO	2412	/	/	1	8.112	>=0.5	Pass
		2437	/	/	1	8.112	>=0.5	Pass
		2462	/	/	1	8.105	>=0.5	Pass
802.11g	SISO	2412	/	/	1	15.157	>=0.5	Pass
		2437	/	/	1	15.466	>=0.5	Pass
		2462	/	/	1	15.176	>=0.5	Pass
802.11n (HT20)	MIMO	2412	/	/	1	15.121	>=0.5	Pass
		2437	/	/	1	15.483	>=0.5	Pass



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		2462	/	/	1	15.174	>=0.5	Pass
802.11n (HT40)	МІМО	2422	/	/	1	35.155	>=0.5	Pass
		2437	/	/	1	35.155	>=0.5	Pass
		2452	/	/	1	35.152	>=0.5	Pass
802.11ax (HEW20)	МІМО	2412	SU	/	1	18.096	>=0.5	Pass
		2437	SU	/	1	18.519	>=0.5	Pass
		2462	SU	/	1	18.032	>=0.5	Pass
802.11ax (HEW40)	MIMO	2422	SU	/	1	37.138	>=0.5	Pass
		2437	SU	/	1	37.138	>=0.5	Pass
		2452	SU	/	1	37.118	>=0.5	Pass



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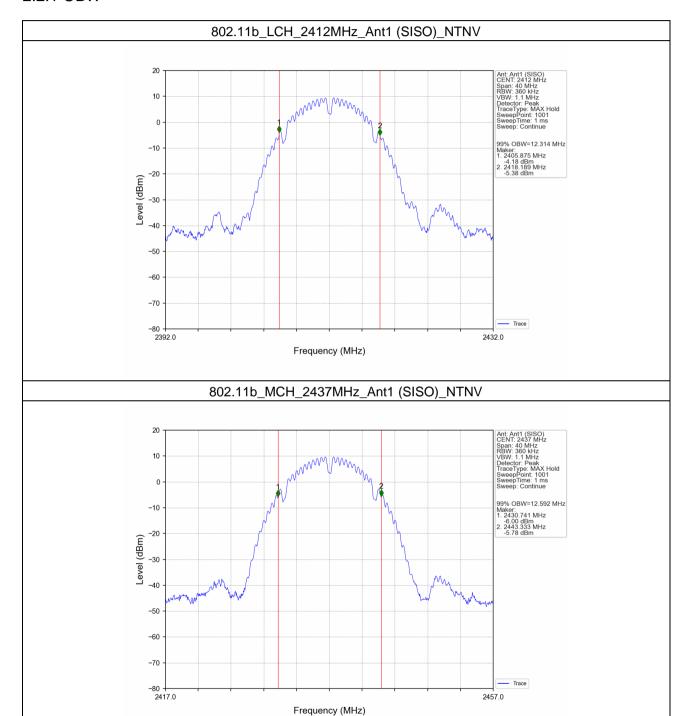
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#### 2.2 Test Graph

#### 2.2.1 OBW





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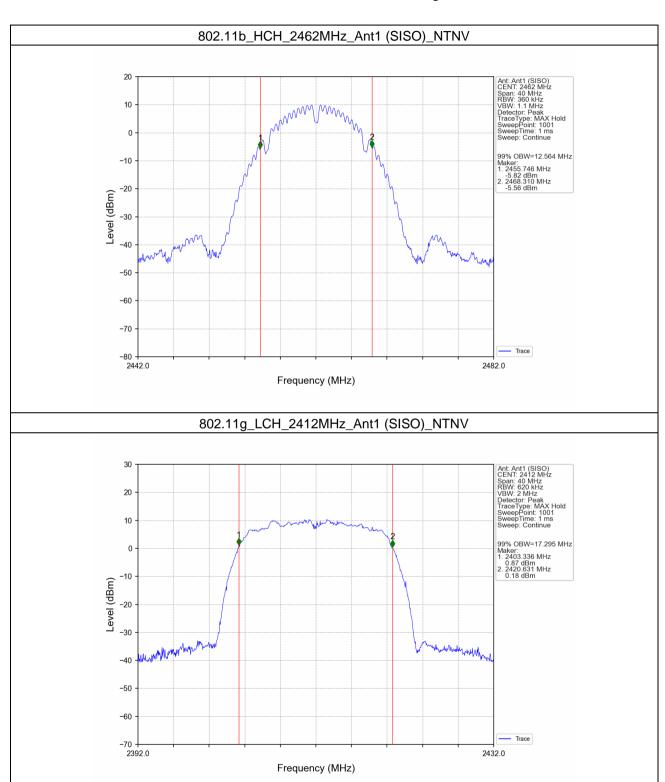
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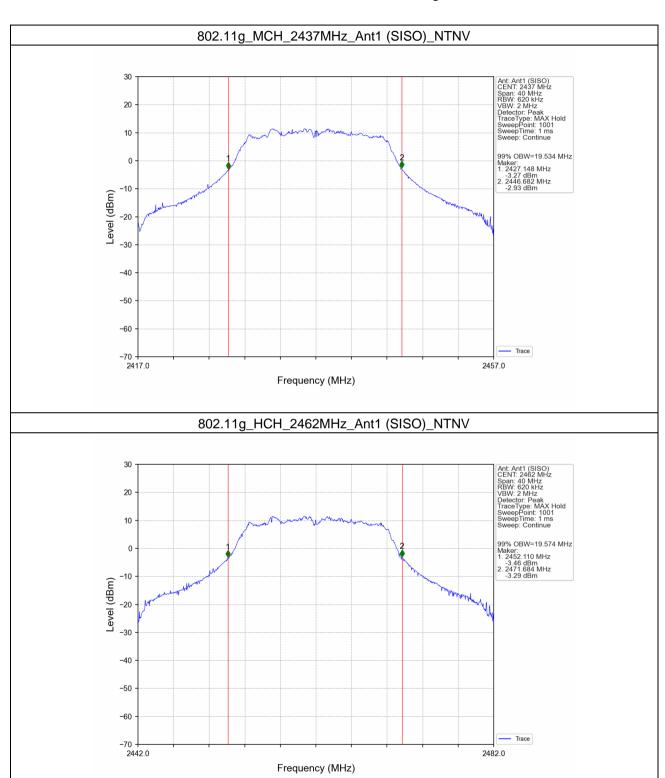
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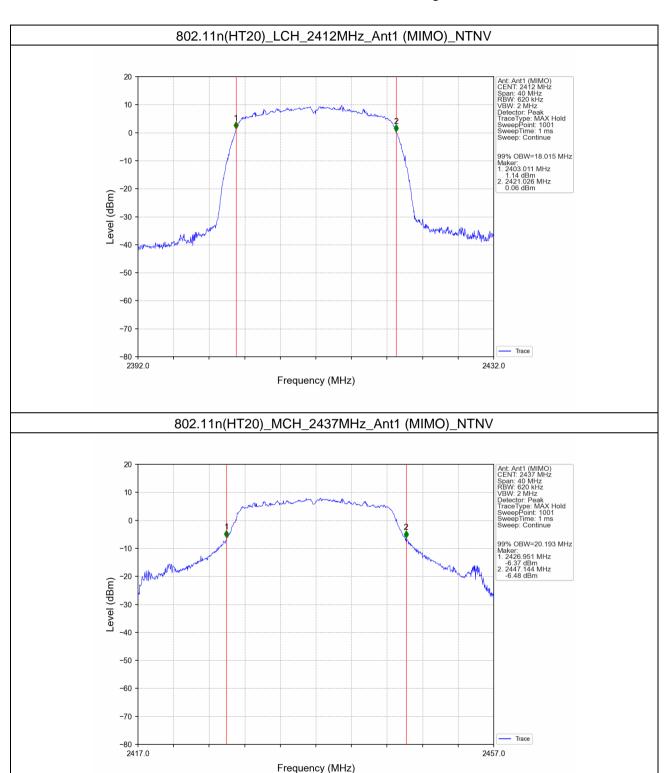
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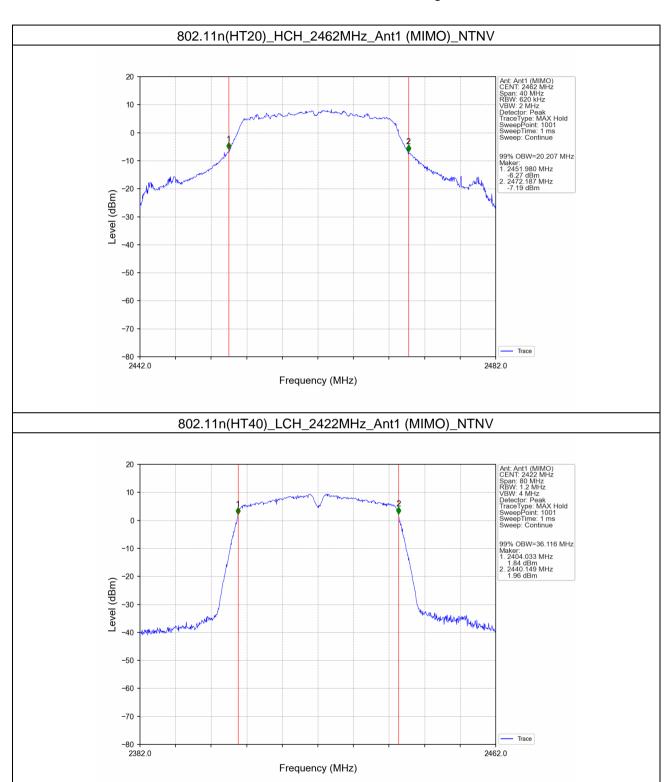
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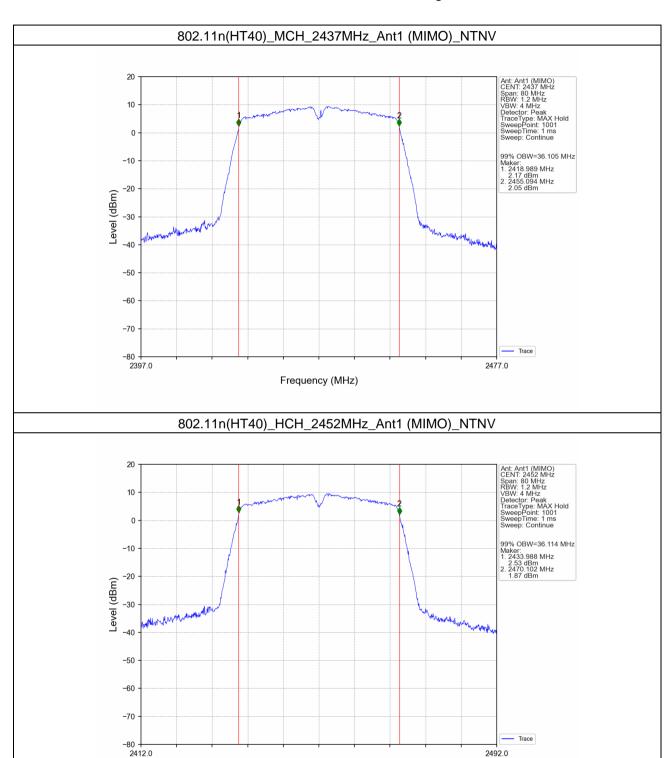
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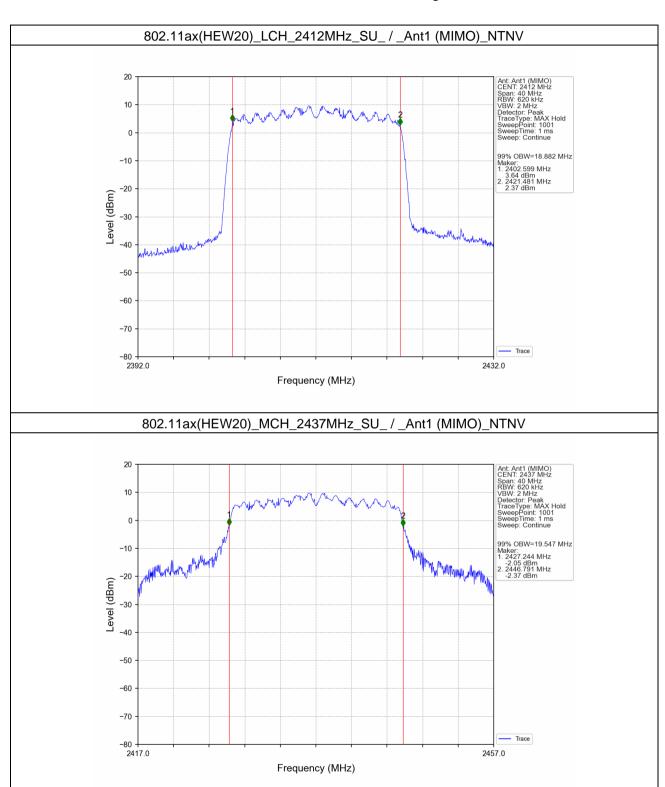
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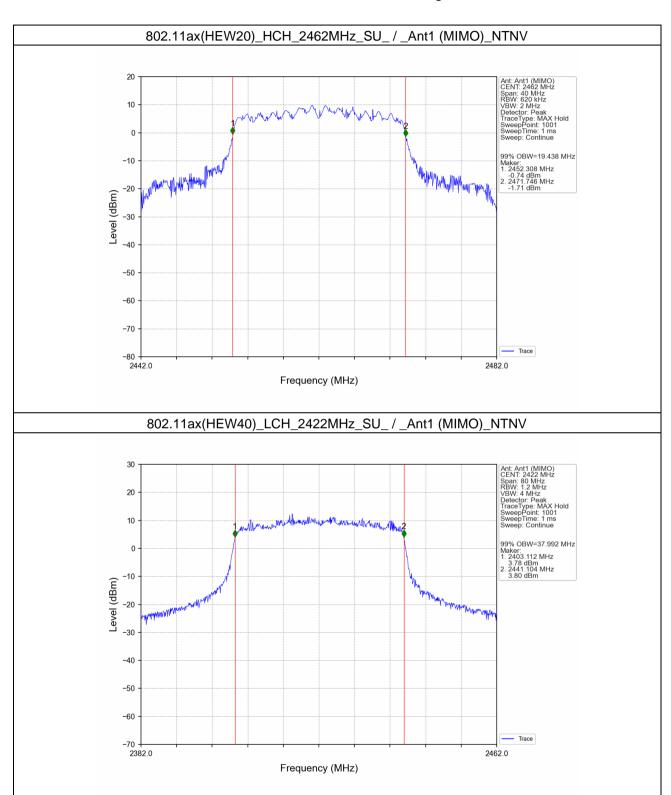
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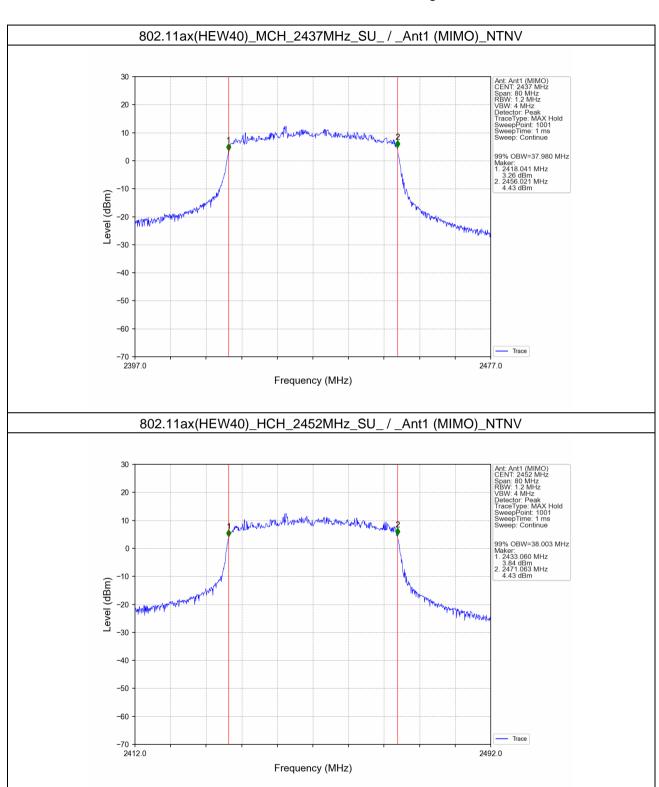
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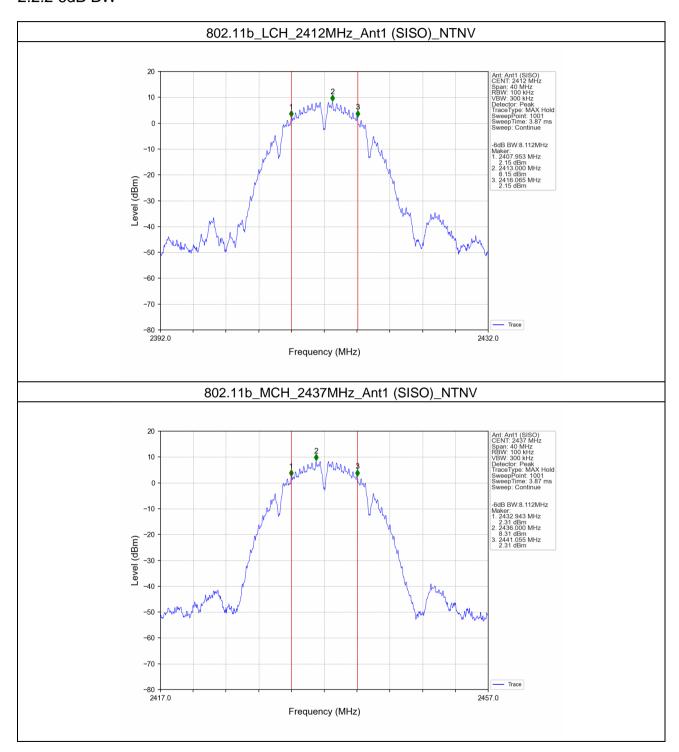


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#### 2.2.2 6dB BW





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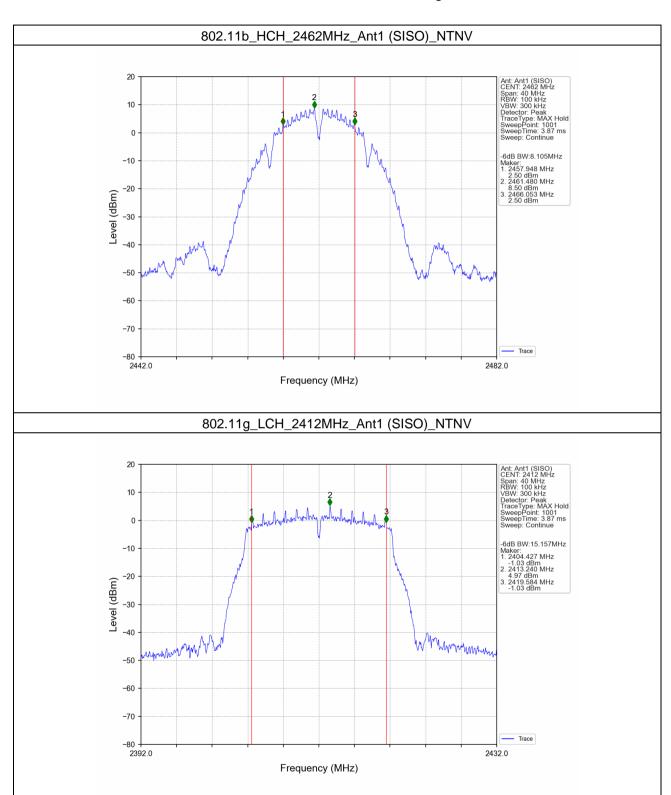
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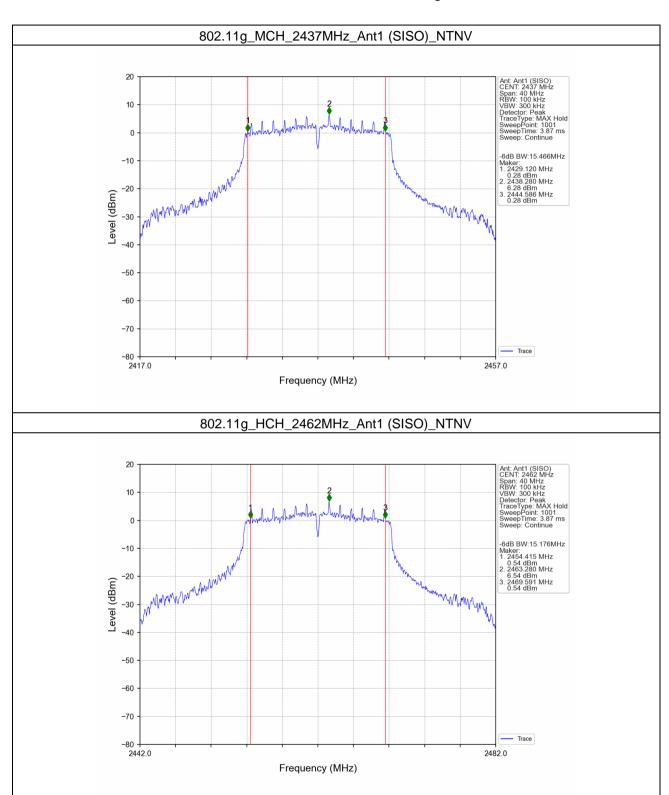
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