TCT 通测检测 TESTING CENTRE TECHNOLOGY

TEST REPORT

FCC ID. ..... :	2A9LJ-ME65	
Test Report No..... :	TCT240513E042	
Date of issue..... :	Aug. 20, 2024	
Testing laboratory ..... :	SHENZHEN TONGCE TESTING LAB	
Testing location/ address:	2101 & 2201, Zhenchang Factory Renshan Industrial Zone, Fuhai Subdistrict, Bao'an District, Shenzhen, Guangdong, 518103, People's Republic of China	
Applicant's name..... :	Meferi Technologies Co., Ltd.	
Address..... :	4F, A6, Tianfu Software Park, No. 1129, Century City Road, High-tech Zone, 610041, Chengdu, Sichuan, 610041 China	
Manufacturer's name ... :	Meferi Technologies Co., Ltd.	
Address..... :	4F, A6, Tianfu Software Park, No. 1129, Century City Road, High-tech Zone, 610041, Chengdu, Sichuan, 610041 China	
Standard(s) ..... :	FCC CFR Title 47 Part 15 Subpart E Section 15.407 KDB 662911 D01 Multiple Transmitter Output v02r01 KDB 987594 D02 U-NII 6 GHz EMC Measurement v02r01 KDB 789033 D02 General U-NII Test Procedures New Rules v02r01	
Product Name..... :	MOBILE COMPUTER	
Trade Mark ..... :	MEFERI	
Model/Type reference..... :	ME65, ME65P, ME65T, ME65H, ME65L, ME65S, ME68	
Rating(s)..... :	Refer to EUT description of page 3	
Date of receipt of test item ..... :	May 13, 2024	
Date (s) of performance of test..... :	May 13, 2024 ~ Aug. 20, 2024	
Tested by (+signature) ... :	Rleo LIU	
Check by (+signature).... :	Beryl ZHAO	
Approved by (+signature):	Tomsin	

General disclaimer:

This report shall not be reproduced except in full, without the written approval of SHENZHEN TONGCE TESTING LAB. This document may be altered or revised by SHENZHEN TONGCE TESTING LAB personnel only, and shall be noted in the revision section of the document. The test results in the report only apply to the tested sample.

TABLE OF CONTENTS

1. General Product Information 3
1.1. EUT description 3
1.2. Model(s) list 3
1.3. Test Frequency 4
2. Test Result Summary 5
3. General Information 6
3.1. Test environment and mode 6
3.2. Description of Support Units 7
4. Facilities and Accreditations 8
4.1. Facilities 8
4.2. Location 8
4.3. Measurement Uncertainty 8
5. Test Results and Measurement Data 9
5.1. Antenna requirement 9
5.2. Conducted Emission 10
5.3. Maximum Conducted Output Power 14
5.4. 26dB Bandwidth and 99% Occupied Bandwidth 20
5.5. Power Spectral Density 21
5.6. In-Band Emissions (Channel Mask) 26
5.7. Contention Based Protocol 28
5.8. Unwanted Emissions 31
Appendix A: Test Result of Conducted Test
Appendix B: Photographs of Test Setup
Appendix C: Photographs of EUT

Hotline: 400-6611-140 Tel: 86-755-27673339 Fax: 86-755-27673332 http://www.tct-lab.com

1. General Product Information

1.1. EUT description

Product Name.....:	MOBILE COMPUTER
Model/Type reference.....:	ME65
Sample Number.....:	TCT240513E003-0101
Operation Frequency.....:	U-NII 5: 5955 MHz ~ 6415 MHz U-NII 6: 6435 MHz ~ 6515 MHz U-NII 7: 6535 MHz ~ 6875 MHz U-NII 8: 6885 MHz ~ 7125 MHz
Channel Bandwidth.....:	802.11a: 20MHz 802.11ax: 20MHz, 40MHz, 80MHz, 160MHz
Modulation Technology .....:	OFDM/OFDMA
Antenna Type.....:	Internal Antenna
Antenna Gain.....:	U-NII 5: Antenna 3: 3.36dBi, Antenna 2: 2.97dBi U-NII 6: Antenna 3: 2.98dBi, Antenna 2: 2.89dBi U-NII 7: Antenna 3: 3.04dBi, Antenna 2: 3.02dBi U-NII 8: Antenna 3: 3.74dBi, Antenna 2: 2.82dBi
Rating(s).....:	Adapter Information: Model: HJ-FC001K7-US Input: AC 100-240V, 50/60Hz, 0.6A Output: DC 5.0V, 3.0A/DC 9.0V, 2.0A/DC 12.0V, 1.5A, 18.0W Rechargeable Li-ion Battery DC 3.85V

Note: The antenna gain listed in this report is provided by applicant, and the test laboratory is not responsible for this parameter.

1.2. Model(s) list

No.	Model No.	Tested with
1	ME65	☒
Other models	ME65P, ME65T, ME65H, ME65L, ME65S, ME68	☐
Note: ME65 is tested model, other models are derivative models. The models are identical in circuit and PCB layout, only different on the model names. So the test data of ME65 can represent the remaining models.		

Hotline: 400-6611-140 Tel: 86-755-27673339 Fax: 86-755-27673332 http://www.tct-lab.com

1.3. Test Frequency

U-NII 5

20MHz		40MHz		80MHz		160MHz	
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
1	5955	3	5965	7	5985	15	6025
45	6175	43	6165	39	6145	47	6185
93	6415	91	6405	87	6385	79	6345

U-NII 6

20MHz		40MHz		80MHz		160MHz	
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
97	6435	99	6445	103	6465	111	6505
105	6475	107	6485	119	6545		
113	6515	115	6525				

U-NII 7

20MHz		40MHz		80MHz		160MHz	
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
117	6535	123	6565	135	6625	143	6665
149	6695	147	6685	151	6705	175	6825
181	6855	179	6845	167	6785		
185	6875			183	6865		

U-NII 8

20MHz		40MHz		80MHz		160MHz	
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
189	6895	187	6885	199	6945	207	6985
209	6995	195	6925	215	7025		
233	7115	211	7005				
		227	7085				

Note:

In section 15.31(m), regards to the operating frequency range over 10 MHz, the Lowest frequency, the middle frequency, and the highest frequency of channel were selected to perform the test, and the selected channel see below:

Hotline: 400-6611-140 Tel: 86-755-27673339 Fax: 86-755-27673332 http://www.tct-lab.com

2. Test Result Summary

Requirement	CFR 47 Section	Result
Antenna requirement	§15.203	PASS
AC Power Line Conducted Emission	§15.207	PASS
Maximum Conducted Output Power	§15.407(a)	PASS
26dB Emission Bandwidth& 99% Occupied Bandwidth	§15.407(a); §15.403(i)	PASS
Power Spectral Density	§15.407(a)	PASS
Contention Based Protocol	§15.407(d)	PASS
In-Band Emissions (Channel Mask)	§15.407(a)	PASS
Unwanted Emissions	§15.407(b)	PASS

Note:

1. PASS: Test item meets the requirement.

2. Fail: Test item does not meet the requirement.

3. N/A: Test case does not apply to the test object.

4. The test result judgment is decided by the limit of test standard.

Hotline: 400-6611-140 Tel: 86-755-27673339 Fax: 86-755-27673332 http://www.tct-lab.com

3. General Information

3.1. Test environment and mode

Operating Environment:	
Temperature:	25.0 °C
Humidity:	56 % RH
Atmospheric Pressure:	1010 mbar
Test Software:	
Software Information:	QRCT
Power Level:	7
Test Mode:	
Engineering mode:	Keep the EUT in continuous transmitting by select channel and modulations with max. duty cycle.
The sample was placed 0.8m/1.5m for blow/above 1GHz above the ground plane of 3m chamber. Measurements in both horizontal and vertical polarities were performed. During the test, each emission was maximized by: having the EUT continuously working, investigated all operating modes, rotated about all 3 axis (X, Y & Z) and considered typical configuration to obtain worst position, manipulating interconnecting cables, rotating the turntable, varying antenna height from 1m to 4m in both horizontal and vertical polarizations. The emissions worst-case are shown in Test Results of the following pages.	

We have verified the construction and function in typical operation. All the test modes were carried out with the EUT in transmitting operation, which was shown in this test report and defined as follows:

Per-scan all kind of data rate in lowest channel, and found the follow list which it was worst case.	
Mode	Data rate
802.11a(SISO)	6 Mbps
802.11ax(HE20) (MIMO)	MCS0
802.11ax(HE40) (MIMO)	MCS0
802.11ax(HE80) (MIMO)	MCS0
802.11ax(HE160) (MIMO)	MCS0
Final Test Mode:	
Operation mode:	Keep the EUT in continuous transmitting with modulation

Hotline: 400-6611-140 Tel: 86-755-27673339 Fax: 86-755-27673332 http://www.tct-lab.com

3.2. Description of Support Units

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

Equipment	Model No.	Serial No.	FCC ID	Trade Name
/	/	/	/	/

Note:

1. *All the equipment/cables were placed in the worst-case configuration to maximize the emission during the test.*
2. *Grounding was established in accordance with the manufacturer's requirements and conditions for the intended use.*
3. *For conducted measurements (Output Power, Emission Bandwidth, Power Spectral Density, Spurious Emissions), the antenna of EUT is connected to the test equipment via temporary antenna connector, the antenna connector is soldered on the antenna port of EUT, and the temporary antenna connector is listed in the Test Instruments.*

Hotline: 400-6611-140 Tel: 86-755-27673339 Fax: 86-755-27673332 http://www.tct-lab.com

4. Facilities and Accreditations

4.1. Facilities

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

- FCC - Registration No.: 645098

  SHENZHEN TONGCE TESTING LAB

  Designation Number: CN1205

  The testing lab has been registered and fully described in a report with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files.

- IC - Registration No.: 10668A

  SHENZHEN TONGCE TESTING LAB

  CAB identifier: CN0031

  The testing lab has been registered by Innovation, Science and Economic Development Canada for radio equipment testing.

4.2. Location

SHENZHEN TONGCE TESTING LAB

Address: 2101 & 2201, Zhenchang Factory, Renshan Industrial Zone, Fuhai Subdistrict, Bao'an District, Shenzhen, Guangdong, 518103, People's Republic of China

TEL: +86-755-27673339

4.3. Measurement Uncertainty

The reported uncertainty of measurement y ± U, where expended uncertainty U is based on a standard uncertainty multiplied by a coverage factor of k=2, providing a level of confidence of approximately 95 %.

No.	Item	MU
1	Conducted Emission	± 3.10 dB
2	RF power, conducted	± 0.12 dB
3	Spurious emissions, conducted	± 0.11 dB
4	All emissions, radiated(<1 GHz)	± 4.56 dB
5	All emissions, radiated(1 GHz - 18 GHz)	± 4.22 dB
6	All emissions, radiated(18 GHz- 40 GHz)	± 4.36 dB

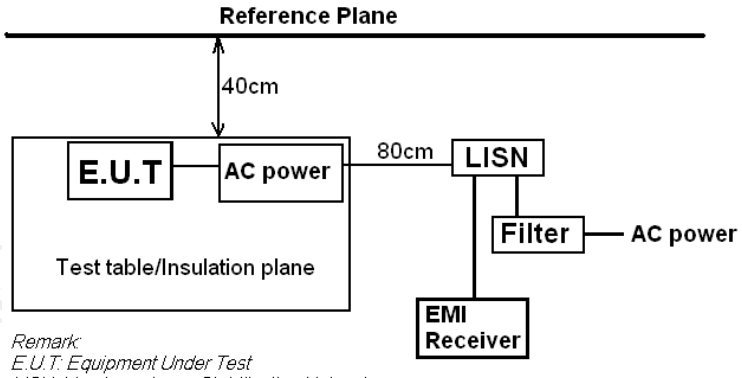
5. Test Results and Measurement Data

5.1. Antenna requirement

Standard requirement:	FCC Part15 C Section 15.203 /247(c)
15.203 requirement: An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.	
E.U.T Antenna:	
The EUT test with two internal antennas for maximum gain which are detachable, and the gain is shown below.	
	
Refer to KDB 662911 D01 Multiple Transmitter Output v02r01: Unequal antenna gains, with equal transmit powers, if transmit signals are correlated, then Directional gain of U-NII 5= $10\log[(10^{3.36/20}+10^{2.97/20})^2/2]$ = 6.20dBi; Directional gain of U-NII 6 = $10\log[(10^{2.98/20}+10^{2.89/20})^2/2]$ = 5.95dBi; Directional gain of U-NII 7 = $10\log[(10^{3.04/20}+10^{3.02/20})^2/2]$ = 6.04dBi; Directional gain of U-NII 8 = $10\log[(10^{3.74/20}+10^{2.82/20})^2/2]$ = 6.30dBi.	
Note: Above directional gain not applicable to power measurements.	

5.2. Conducted Emission

5.2.1. Test Specification

<table>
<tr><td>Test Requirement:</td><td>FCC Part15 C Section 15.207</td></tr>
<tr><td>Test Method:</td><td>ANSI C63.10:2013</td></tr>
<tr><td>Frequency Range:</td><td>150 kHz to 30 MHz</td></tr>
<tr><td>Receiver setup:</td><td>RBW=9 kHz, VBW=30 kHz, Sweep time=auto</td></tr>
<tr><td>Limits:</td><td>
<table>
<tr><td rowspan="2">Frequency range (MHz)</td><td colspan="2">Limit (dBuV)</td></tr>
<tr><td>Quasi-peak</td><td>Average</td></tr>
<tr><td>0.15-0.5</td><td>66 to 56*</td><td>56 to 46*</td></tr>
<tr><td>0.5-5</td><td>56</td><td>46</td></tr>
<tr><td>5-30</td><td>60</td><td>50</td></tr>
</table>
</td></tr>
<tr><td>Test Setup:</td><td> 

Remark:
E.U.T: Equipment Under Test
LISN: Line Impedence Stabilization Network
Test table height=0.8m</td></tr>
<tr><td>Test Mode:</td><td>Charging + Transmitting Mode</td></tr>
<tr><td>Test Procedure:</td><td>1. The E.U.T and simulators are connected to the main power through a line impedance stabilization network (L.I.S.N.). This provides a 50ohm/50uH coupling impedance for the measuring equipment.
2. The peripheral devices are also connected to the main power through a LISN that provides a 50ohm/50uH coupling impedance with 50ohm termination. (Please refer to the block diagram of the test setup and photographs).
3. Both sides of A.C. line are checked for maximum conducted interference. 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: 2013 on conducted measurement.</td></tr>
<tr><td>Test Result:</td><td>PASS</td></tr>
</table>

5.2.2. Test Instruments

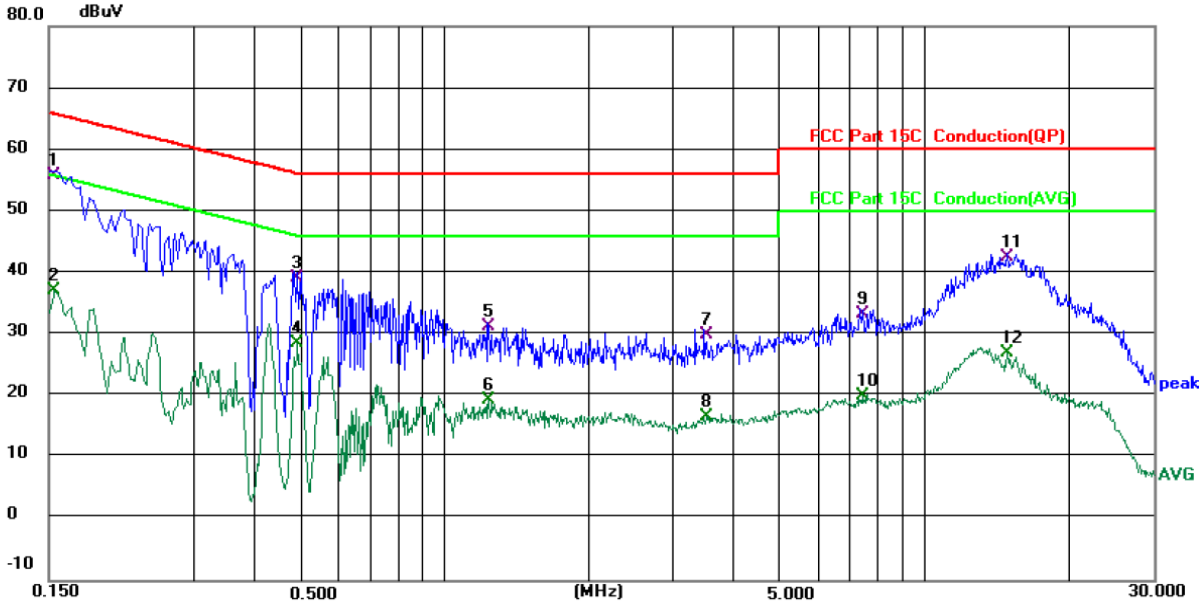
Conducted Emission Shielding Room Test Site (843)				
Equipment	**Manufacturer**	**Model**	**Serial Number**	**Calibration Due**
EMI Test Receiver	R&S	ESCI3	100898	Jun. 26, 2025
LISN	Schwarzbeck	NSLK 8126	8126453	Jan. 31, 2025
Attenuator	N/A	10dB	164080	Jun. 26, 2025
Line-5	TCT	CE-05	/	Jun. 26, 2025
EMI Test Software	EZ_EMC	EMEC-3A1	1.1.4.2	/

Hotline: 400-6611-140 Tel: 86-755-27673339 Fax: 86-755-27673332 http://www.tct-lab.com

5.2.3. Test data

Please refer to following diagram for individual

Conducted Emission on Line Terminal of the power line (150 kHz to 30MHz)



Site 844 Shielding Room | Phase: *L1* | Temperature: 24.5 (℃) | Humidity: 51 %

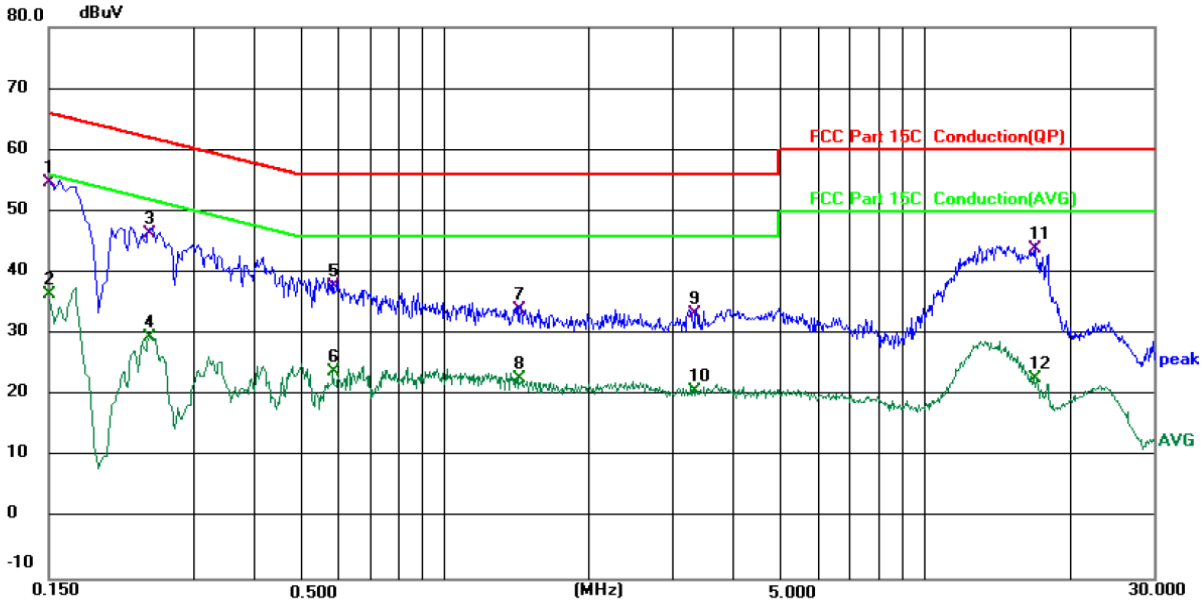
Limit: FCC Part 15C Conduction(QP) | Power: AC 120 V/60 Hz

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	*	0.1539	45.72	10.02	55.74	65.79	-10.05	QP	
2		0.1539	27.11	10.02	37.13	55.79	-18.66	AVG	
3		0.4939	29.86	9.35	39.21	56.10	-16.89	QP	
4		0.4939	19.13	9.35	28.48	46.10	-17.62	AVG	
5		1.2419	21.38	9.92	31.30	56.00	-24.70	QP	
6		1.2419	9.46	9.92	19.38	46.00	-26.62	AVG	
7		3.5219	19.74	10.24	29.98	56.00	-26.02	QP	
8		3.5219	6.53	10.24	16.77	46.00	-29.23	AVG	
9		7.4138	22.74	10.52	33.26	60.00	-26.74	QP	
10		7.4138	9.52	10.52	20.04	50.00	-29.96	AVG	
11		14.8740	31.85	10.60	42.45	60.00	-17.55	QP	
12		14.8740	16.51	10.60	27.11	50.00	-22.89	AVG	

Note:

Freq. = Emission frequency in MHz
Reading level (dBμV) = Receiver reading
Corr. Factor (dB) = LISN factor + Cable loss
Measurement (dBμV) = Reading level (dBμV) + Corr. Factor (dB)
Limit (dBμV) = Limit stated in standard
Margin (dB) = Measurement (dBμV) – Limits (dBμV)
Q.P. =Quasi-Peak
AVG =average
** is meaning the worst frequency has been tested in the frequency range 150 kHz to 30MHz.*

Conducted Emission on Neutral Terminal of the power line (150 kHz to 30MHz)



Site 844 Shielding Room Phase: N Temperature: 24.5 (℃) Humidity: 51 %

Limit: FCC Part 15C Conduction(QP) Power: AC 120 V/60 Hz

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	*	0.1500	44.63	10.00	54.63	66.00	-11.37	QP	
2		0.1500	26.36	10.00	36.36	56.00	-19.64	AVG	
3		0.2419	36.55	9.82	46.37	62.03	-15.66	QP	
4		0.2419	19.73	9.82	29.55	52.03	-22.48	AVG	
5		0.5859	28.62	9.23	37.85	56.00	-18.15	QP	
6		0.5859	14.61	9.23	23.84	46.00	-22.16	AVG	
7		1.4259	24.14	9.91	34.05	56.00	-21.95	QP	
8		1.4259	12.73	9.91	22.64	46.00	-23.36	AVG	
9		3.3260	23.12	10.14	33.26	56.00	-22.74	QP	
10		3.3260	10.63	10.14	20.77	46.00	-25.23	AVG	
11		16.8939	33.31	10.57	43.88	60.00	-16.12	QP	
12		16.8939	12.14	10.57	22.71	50.00	-27.29	AVG	

Note: *1. Freq. = Emission frequency in MHz*

Reading level (dBμV) = Receiver reading

Corr. Factor (dB) = LISN factor + Cable loss

Measurement (dBμV) = Reading level (dBμV) + Corr. Factor (dB)

Limit (dBμV) = Limit stated in standard

Margin (dB) = Measurement (dBμV) – Limits (dBμV)

Q.P. =Quasi-Peak

AVG =average

** is meaning the worst frequency has been tested in the frequency range 150 kHz to 30MHz.*

2. Measurements were conducted in all three channels (high, middle, low) and all modulation (802.11a, 802.11ax(HE20), 802.11ax(HE40), 802.11ax(HE80), 802.11ax(HE160)) and the worst case Mode (Channel 175 and 802.11ax(HE160) transmit with antenna 2) was submitted only.

5.3. Maximum Conducted Output Power

5.3.1. Test Specification

<table>
<tr><td>Test Requirement:</td><td>FCC Part15 E Section 15.407(a)& Part 2 J Section 2.1046</td></tr>
<tr><td>Test Method:</td><td>KDB662911 D01 Multiple Transmitter Output v02r01
KDB 987594 D02 U-NII 6 GHz EMC Measurement v02r01
KDB789033 D02 General UNII Test Procedures New Rules v02r01</td></tr>
<tr><td>Limit:</td><td>
<table>
<tr><th>Equipment Category</th><th>Band</th><th>Limit</th></tr>
<tr><td>Standard power access point*
Fixed client*</td><td>U-NII 5;
U-NII 7</td><td>36dbm</td></tr>
<tr><td>Indoor access point
Subordinate device</td><td>U-NII 5;
U-NII 6;
U-NII 7;
U-NII 8</td><td>30dBm</td></tr>
<tr><td>Standard power access point client devices</td><td>U-NII 5;
U-NII 6;
U-NII 7;
U-NII 8</td><td>30 dBm and the device must limit its power to no more than 6 dB below its associated standard power access point's authorized transmit power</td></tr>
<tr><td>Indoor access point client devices</td><td>U-NII 5;
U-NII 6;
U-NII 7;
U-NII 8</td><td>24dBm</td></tr>
<tr><td colspan="3">* For outdoor devices, the maximum e.i.r.p. at any elevation angle above 30 degrees as measured from the horizon must not exceed 125 mW (21 dBm).</td></tr>
</table>
</td></tr>
<tr><td>Test Setup:</td><td> 
</td></tr>
<tr><td>Test Mode:</td><td>Transmitting mode with modulation</td></tr>
<tr><td>Test Procedure:</td><td>1. The testing follows the Measurement Procedure of KDB789033 D02 General UNII Test Procedures New Rules v02r01 Section E, 3, a
2. The RF output of EUT was connected to the power meter by RF cable and attenuator. The path loss was compensated to the results for each measurement.
3. Set to the maximum power setting and enable the</td></tr>
</table>

	EUT transmit continuously. 5. Measure the conducted output power and record the results in the test report.
Test Result:	PASS
Remark:	Conducted output power= measurement power +10log(1/x), X is duty cycle=1, so 10log(1/1)=0 Conducted output power= measurement power

5.3.2. Test Instruments

Equipment	Manufacturer	Model	Serial Number	Calibration Due
Spectrum Analyzer	Agilent	N9020A	MY49100619	Jun. 26, 2025
Power Meter	Agilent	E4418B	MY45100357	Jun. 26, 2025
Power Sensor	Agilent	8184A	MY41096530	Jun. 26, 2025
Combiner Box	Ascentest	AT890-RFB	/	/

5.3.3. Test Data

Configuration U-NII 5 (5955 MHz - 6415 MHz) / Antenna 3+Antenna 2										
Mode	Test Freq. (MHz)	Maximum Conducted (Average) Output Power (dBm)			Directional gain (dBi)		EIRP (dBm)		Limit (dBm)	Result
		Ant3	Ant2	Total						
a	5955	5.94	7.44	/	3.36	2.97	9.30	10.41	24	PASS
a	6175	5.28	7.03	/	3.36	2.97	8.64	10.00	24	PASS
a	6415	6.03	7.37	/	3.36	2.97	9.39	10.34	24	PASS
ax20	5955	5.89	7.38	9.71	3.36		13.07		24	PASS
ax20	6175	5.28	6.99	9.23	3.36		12.59		24	PASS
ax20	6415	6.02	7.29	9.71	3.36		13.07		24	PASS
ax40	5965	5.87	7.39	9.71	3.36		13.07		24	PASS
ax40	6165	5.30	7.11	9.31	3.36		12.67		24	PASS
ax40	6405	6.01	7.43	9.79	3.36		13.15		24	PASS
ax80	5985	6.04	7.57	9.88	3.36		13.24		24	PASS
ax80	6145	5.56	7.29	9.52	3.36		12.88		24	PASS
ax80	6385	6.30	7.61	10.01	3.36		13.37		24	PASS
ax160	6025	6.09	7.43	9.82	3.36		13.18		24	PASS
ax160	6185	5.90	7.77	9.95	3.36		13.31		24	PASS
ax160	6345	6.33	8.14	10.34	3.36		13.70		24	PASS

Hotline: 400-6611-140 Tel: 86-755-27673339 Fax: 86-755-27673332 http://www.tct-lab.com

Configuration U-NII 6 (6435 MHz - 6515 MHz) / Antenna 3+Antenna 2										
Mode	Test Freq. (MHz)	Maximum Conducted (Average) Output Power (dBm)			Directional gain (dBi)		EIRP (dBm)		Limit (dBm)	Result
		Ant3	Ant2	Total						
a	6435	6.63	7.35	/	2.98	2.89	9.61	10.24	24	PASS
a	6475	6.09	7.04	/	2.98	2.89	9.07	9.93	24	PASS
a	6515	6.61	6.99	/	2.98	2.89	9.59	9.88	24	PASS
ax20	6435	6.60	7.33	9.99	2.98		12.97		24	PASS
ax20	6475	6.14	7.00	9.60	2.98		12.58		24	PASS
ax20	6515	6.52	6.96	9.76	2.98		12.74		24	PASS
ax40	6445	6.54	7.32	9.96	2.98		12.94		24	PASS
ax40	6485	6.49	7.24	9.89	2.98		12.87		24	PASS
ax40	6525	6.66	6.97	9.83	2.98		12.81		24	PASS
ax80	6465	6.54	7.35	9.97	2.98		12.95		24	PASS
ax80	6545	6.44	7.49	10.01	2.98		12.99		24	PASS
ax160	6505	7.16	7.77	10.49	2.98		13.47		24	PASS

Hotline: 400-6611-140 Tel: 86-755-27673339 Fax: 86-755-27673332 http://www.tct-lab.com

Configuration U-NII 7 (6535 MHz - 6875 MHz) / Antenna 3+Antenna 2										
Mode	Test Freq. (MHz)	Maximum Conducted (Average) Output Power (dBm)			Directional gain (dBi)		EIRP (dBm)		Limit (dBm)	Result
		Ant3	Ant2	Total						
a	6535	6.70	6.91	/	3.04	3.02	9.74	9.93	24	PASS
a	6695	7.27	7.83	/	3.04	3.02	10.31	10.85	24	PASS
a	6855	6.18	8.00	/	3.04	3.02	9.22	11.02	24	PASS
a	6875	6.22	7.96	/	3.04	3.02	9.26	10.98	24	PASS
ax20	6535	6.69	6.90	9.81	3.04		12.85		24	PASS
ax20	6695	7.27	7.88	10.60	3.04		13.64		24	PASS
ax20	6855	6.16	8.01	10.19	3.04		13.23		24	PASS
ax20	6875	6.27	7.94	10.20	3.04		13.24		24	PASS
ax40	6565	6.36	7.43	9.94	3.04		12.98		24	PASS
ax40	6685	7.54	8.01	10.79	3.04		13.83		24	PASS
ax40	6845	6.23	8.06	10.25	3.04		13.29		24	PASS
ax80	6625	6.49	7.64	10.11	3.04		13.15		24	PASS
ax80	6705	7.35	8.00	10.70	3.04		13.74		24	PASS
ax80	6785	7.28	8.47	10.93	3.04		13.97		24	PASS
ax80	6865	6.41	8.13	10.36	3.04		13.40		24	PASS
ax160	6665	7.58	8.44	11.04	3.04		14.08		24	PASS
ax160	6825	7.67	8.68	11.21	3.04		14.25		24	PASS

Hotline: 400-6611-140 Tel: 86-755-27673339 Fax: 86-755-27673332 http://www.tct-lab.com

Configuration U-NII 8 (6885 MHz - 7125 MHz) / Antenna 3+Antenna 2										
Mode	Test Freq. (MHz)	Maximum Conducted (Average) Output Power (dBm)			Directional gain (dBi)		EIRP (dBm)		Limit (dBm)	Result
		Ant3	Ant2	Total						
a	6895	4.40	6.15	/	3.74	2.82	8.14	8.97	24	PASS
a	6995	6.24	5.92	/	3.74	2.82	9.98	8.74	24	PASS
a	7115	5.61	6.59	/	3.74	2.82	9.35	9.41	24	PASS
ax20	6895	4.45	6.13	8.38	3.74		12.12		24	PASS
ax20	6995	6.22	5.94	9.09	3.74		12.83		24	PASS
ax20	7115	5.64	6.59	9.15	3.74		12.89		24	PASS
ax40	6885	6.32	7.92	10.20	3.74		13.94		24	PASS
ax40	6925	4.41	5.68	8.10	3.74		11.84		24	PASS
ax40	7005	6.29	5.99	9.15	3.74		12.89		24	PASS
ax40	7085	5.77	6.62	9.23	3.74		12.97		24	PASS
ax80	6945	5.41	5.76	8.60	3.74		12.34		24	PASS
ax80	7025	7.18	6.60	9.91	3.74		13.65		24	PASS
ax160	6985	6.55	6.36	9.47	3.74		13.21		24	PASS

Hotline: 400-6611-140 Tel: 86-755-27673339 Fax: 86-755-27673332 http://www.tct-lab.com

5.4. 26dB Bandwidth and 99% Occupied Bandwidth

5.4.1. Test Specification

Test Requirement:	47 CFR Part 15C Section 15.407 (a)& Part 2 J Section 2.1049
Test Method:	KDB662911 D01 Multiple Transmitter Output v02r01 KDB 987594 D02 U-NII 6 GHz EMC Measurement v02r01 KDB789033 D02 General UNII Test Procedures New Rules v02r01
Limit:	The maximum transmitter channel bandwidth for U-NII devices in the 5.925-7.125 GHz band is 320 megahertz.
Test Setup:	
Test Mode:	Transmitting mode with modulation
Test Procedure:	1. KDB789033 D02 General UNII Test Procedures New Rules v02r01 Section D 2. Set to the maximum power setting and enable the EUT transmit continuously. 3. Make the measurement with the spectrum analyzer's resolution bandwidth (RBW) = 1% to 5% of the OBW. Set the Video bandwidth (VBW) = 3 *RBW. In order to make an accurate measurement. 4. Measure and record the results in the test report.
Test Result:	PASS

5.4.2. Test Instruments

Equipment	Manufacturer	Model	Serial Number	Calibration Due
Spectrum Analyzer	Agilent	N9020A	MY49100619	Jun. 26, 2025
Combiner Box	Ascentest	AT890-RFB	/	/

5.5. Power Spectral Density

5.5.1. Test Specification

<table>
<tr><td>Test Requirement:</td><td>FCC Part15 E Section 15.407 (a)</td></tr>
<tr><td>Test Method:</td><td>KDB662911 D01 Multiple Transmitter Output v02r01
KDB 987594 D02 U-NII 6 GHz EMC Measurement v02r01
KDB789033 D02 General UNII Test Procedures New Rules v02r01</td></tr>
<tr><td>Limit:</td><td>
<table>
<tr><th>Equipment Category</th><th>Band</th><th>Limit</th></tr>
<tr><td>Standard power access point*
Fixed client*</td><td>U-NII 5;
U-NII 7</td><td>23 dBm/MHz</td></tr>
<tr><td>Indoor access point
Subordinate device</td><td>U-NII 5;
U-NII 6;
U-NII 7;
U-NII 8</td><td>5 dBm/MHz</td></tr>
<tr><td>Standard power access point
client devices</td><td>U-NII 5;
U-NII 6;
U-NII 7;
U-NII 8</td><td>17 dBm/MHz</td></tr>
<tr><td>Indoor access point
client devices</td><td>U-NII 5;
U-NII 6;
U-NII 7;
U-NII 8</td><td>-1 dBm/MHz</td></tr>
</table>
</td></tr>
<tr><td>Test Setup:</td><td> 
</td></tr>
<tr><td>Test Mode:</td><td>Transmitting mode with modulation</td></tr>
<tr><td>Test Procedure:</td><td>1. Set the spectrum analyzer or EMI receiver span to view the entire emission bandwidth.
1. Set RBW = 1 MHz, VBW ≥ 3*RBW, Sweep time = Auto, Detector = RMS.
2. Allow the sweeps to continue until the trace stabilizes.
3. Use the peak marker function to determine the maximum amplitude level.
4. The E.I.R.P spectral density used radiated test method. At a test site that has been validated using the procedures of ANSI C63.4 or the latest CISPR 16-1-4 for measurements above 1 GHz, so as to simulate a near free-space environment.</td></tr>
<tr><td>Test Result:</td><td>PASS</td></tr>
</table>

Hotline: 400-6611-140 Tel: 86-755-27673339 Fax: 86-755-27673332 http://www.tct-lab.com

5.5.2. Test Instruments

Equipment	Manufacturer	Model	Serial Number	Calibration Due
Spectrum Analyzer	Agilent	N9020A	MY49100619	Jun. 26, 2025
Combiner Box	Ascentest	AT890-RFB	/	/

5.5.3. Test data

Configuration U-NII 5 (5955 MHz - 6415 MHz) / Antenna 3+Antenna 2

Mode	Test Freq. (MHz)	Power Spectral Density(dBm/MHz)			Directional gain (dBi)		EIRP (dBm/MHz)		Limit (dBm/MHz)	Result
		Ant3	Ant2	Total						
a	5955	-9.58	-9.74	/	3.36	2.97	-6.22	-6.77	-1	PASS
a	6175	-10.88	-10.05	/	3.36	2.97	-7.52	-7.08	-1	PASS
a	6415	-11.61	-9.78	/	3.36	2.97	-8.25	-6.81	-1	PASS
ax20	5955	-10.52	-10.28	-7.39	6.20		-1.19		-1	PASS
ax20	6175	-10.34	-10.62	-7.47	6.20		-1.27		-1	PASS
ax20	6415	-11.08	-10.26	-7.64	6.20		-1.44		-1	PASS
ax40	5965	-11.30	-11.36	-8.32	6.20		-2.12		-1	PASS
ax40	6165	-13.25	-11.17	-9.08	6.20		-2.88		-1	PASS
ax40	6405	-13.83	-10.78	-9.03	6.20		-2.83		-1	PASS
ax80	5985	-11.91	-10.28	-8.01	6.20		-1.81		-1	PASS
ax80	6145	-12.34	-10.63	-8.39	6.20		-2.19		-1	PASS
ax80	6385	-11.64	-10.29	-7.90	6.20		-1.70		-1	PASS
ax160	6025	-14.57	-13.11	-10.77	6.20		-4.57		-1	PASS
ax160	6185	-14.84	-12.93	-10.77	6.20		-4.57		-1	PASS
ax160	6345	-14.35	-12.54	-10.34	6.20		-4.14		-1	PASS

Refer to KDB 662911 D01 Multiple Transmitter Output v02r01:
For power measurements on IEEE 802.11 devices,
Directional gain = 10 log[(10$^{G1/20}$ + 10$^{G2/20}$)^2 /N_{ANT}] dBi =6.20.

Hotline: 400-6611-140 Tel: 86-755-27673339 Fax: 86-755-27673332 http://www.tct-lab.com

Configuration U-NII 6 (6435 MHz - 6515 MHz) / Antenna 3+Antenna 2										
Mode	Test Freq. (MHz)	Power Spectral Density(dBm/MHz)			Directional gain (dBi)		EIRP (dBm/MHz)		Limit (dBm/MHz)	Result
		Ant3	Ant2	Total						
a	6435	-9.47	-10.11	/	2.98	2.89	-6.49	-7.22	-1	PASS
a	6475	-10.23	-10.54	/	2.98	2.89	-7.25	-7.65	-1	PASS
a	6515	-10.65	-10.98	/	2.98	2.89	-7.67	-8.09	-1	PASS
ax20	6435	-9.74	-10.38	-7.04	5.95		-1.09		-1	PASS
ax20	6475	-10.57	-10.85	-7.70	5.95		-1.75		-1	PASS
ax20	6515	-10.98	-11.28	-8.12	5.95		-2.17		-1	PASS
ax40	6445	-10.78	-11.34	-8.04	5.95		-2.09		-1	PASS
ax40	6485	-11.63	-11.89	-8.75	5.95		-2.80		-1	PASS
ax40	6525	-12.12	-12.30	-9.20	5.95		-3.25		-1	PASS
ax80	6465	-11.32	-10.49	-7.87	5.95		-1.92		-1	PASS
ax80	6545	-11.39	-10.59	-7.96	5.95		-2.01		-1	PASS
ax160	6505	-13.72	-13.02	-10.35	5.95		-4.40		-1	PASS

Refer to KDB 662911 D01 Multiple Transmitter Output v02r01:
For power measurements on IEEE 802.11 devices,
Directional gain = 10 log[(10$^{G1/20}$ + 10$^{G2/20}$)^2 /N_{ANT}] dBi =5.95.

Hotline: 400-6611-140 Tel: 86-755-27673339 Fax: 86-755-27673332 http://www.tct-lab.com

Configuration U-NII 7 (6535 MHz - 6875 MHz) / Antenna 3+Antenna 2										
Mode	Test Freq. (MHz)	Power Spectral Density(dBm/MHz)			Directional gain (dBi)		EIRP (dBm/MHz)		Limit (dBm/MHz)	Result
		Ant3	Ant2	Total						
a	6535	-9.64	-10.25	/	3.04	3.02	-6.60	-7.23	-1	PASS
a	6695	-10.43	-9.85	/	3.04	3.02	-7.39	-6.83	-1	PASS
a	6855	-11.27	-9.83	/	3.04	3.02	-8.23	-6.81	-1	PASS
a	6875	-11.28	-9.83	/	3.04	3.02	-8.24	-6.81	-1	PASS
ax20	6535	-10.35	-10.55	-7.44	6.04		-1.40		-1	PASS
ax20	6695	-11.09	-10.20	-7.61	6.04		-1.57		-1	PASS
ax20	6855	-11.96	-10.16	-7.96	6.04		-1.92		-1	PASS
ax20	6875	-11.93	-10.19	-7.96	6.04		-1.92		-1	PASS
ax40	6565	-12.49	-11.45	-8.93	6.04		-2.89		-1	PASS
ax40	6685	-12.86	-11.00	-8.82	6.04		-2.78		-1	PASS
ax40	6845	-13.89	-11.99	-9.83	6.04		-3.79		-1	PASS
ax80	6625	-11.51	-10.27	-7.84	6.04		-1.80		-1	PASS
ax80	6705	-10.52	-9.85	-7.16	6.04		-1.12		-1	PASS
ax80	6785	-10.60	-9.85	-7.20	6.04		-1.16		-1	PASS
ax80	6865	-11.47	-9.75	-7.52	6.04		-1.48		-1	PASS
ax160	6665	-12.89	-12.20	-9.52	6.04		-3.48		-1	PASS
ax160	6825	-13.00	-12.00	-9.46	6.04		-3.42		-1	PASS

Refer to KDB 662911 D01 Multiple Transmitter Output v02r01:
For power measurements on IEEE 802.11 devices,
Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20})^2 / N_{ANT}$] dBi =6.04.

Hotline: 400-6611-140 Tel: 86-755-27673339 Fax: 86-755-27673332 http://www.tct-lab.com

Configuration U-NII 8 (6885 MHz - 7125 MHz) / Antenna 3+Antenna 2										
Mode	Test Freq. (MHz)	Power Spectral Density(dBm/MHz)			Directional gain (dBi)		EIRP (dBm/MHz)		Limit (dBm/MHz)	Result
		Ant3	Ant2	Total						
a	6895	-9.75	-11.64	/	3.74	2.82	-6.01	-8.82	-1	PASS
a	6995	-9.14	-11.12	/	3.74	2.82	-5.40	-8.30	-1	PASS
a	7115	-9.69	-11.56	/	3.74	2.82	-5.95	-8.74	-1	PASS
ax20	6895	-10.34	-11.02	-7.66	6.30		-1.36		-1	PASS
ax20	6995	-10.69	-10.54	-7.60	6.30		-1.30		-1	PASS
ax20	7115	-10.29	-11.47	-7.83	6.30		-1.53		-1	PASS
ax40	6885	-13.83	-12.12	-9.88	6.30		-3.58		-1	PASS
ax40	6925	-12.12	-13.91	-9.91	6.30		-3.61		-1	PASS
ax40	7005	-11.65	-13.67	-9.53	6.30		-3.23		-1	PASS
ax40	7085	-11.97	-14.26	-9.96	6.30		-3.66		-1	PASS
ax80	6945	-12.53	-12.13	-9.32	6.30		-3.02		-1	PASS
ax80	7025	-10.58	-11.21	-7.87	6.30		-1.57		-1	PASS
ax160	6985	-14.17	-14.38	-11.26	6.30		-4.96		-1	PASS

Refer to KDB 662911 D01 Multiple Transmitter Output v02r01:
For power measurements on IEEE 802.11 devices,
Directional gain = 10 log[(10$^{G1/20}$ + 10$^{G2/20}$)^2 /N_{ANT}] dBi =6.30.

5.6. In-Band Emissions (Channel Mask)

5.6.1. Test Specification

Test Requirement:	FCC Part15 E Section 15.407 (a)
Test Method:	KDB662911 D01 Multiple Transmitter Output v02r01 KDB 987594 D02 U-NII 6 GHz EMC Measurement v02r01 KDB789033 D02 General UNII Test Procedures New Rules v02r01
Limit:	For transmitters operating within the 5.925-7.125 GHz bands: Power spectral density must be suppressed by 20 dB at 1 MHz outside of channel edge, by 28 dB at one channel bandwidth from the channel center, and by 40 dB at one- and one-half times the channel bandwidth away from channel center. At frequencies between one megahertz outside an unlicensed device's channel edge and one channel bandwidth from the center of the channel, the limits must be linearly interpolated between 20 dB and 28 dB suppression, and at frequencies between one and one- and one-half times an unlicensed device's channel bandwidth, the limits must be linearly interpolated between 28 dB and 40 dB suppression. Emissions removed from the channel center by more than one- and one-half times the channel bandwidth must be suppressed by at least 40 dB.
Test Setup:	
Test Mode:	Transmitting mode with modulation
Test Procedure:	1. Take nominal bandwidth as reference channel bandwidth provided that 26 dB emission bandwidth is always larger than nominal bandwidth 2. Measure the power spectral density (which will be used for emissions mask reference) using the following procedure: a) Set the span to encompass the entire 26 dB EBW of the signal. b) Set RBW = same RBW used for 26 dB EBW measurement. c) Set VBW ≥ 3 X RBW d) Number of points in sweep ≥ [2 X span / RBW]. e) Sweep time = auto. f) Detector = RMS (i.e., power averaging) g) Trace average at least 100 traces in power averaging (rms) mode.

	h) Use the peak search function on the instrument to find the peak of the spectrum. 3. Using the measuring equipment limit line function, develop the emissions mask based on the following requirements. The emissions power spectral density must be reduced below the peak power spectral density (in dB) as follows: a. Suppressed by 20 dB at 1 MHz outside of the channel edge. b. Suppressed by 28 dB at one channel bandwidth from the channel center. c. Suppressed by 40 dB at one- and one-half times the channel bandwidth from the channel center. 4. Adjust the span to encompass the entire mask as necessary. 5. Clear trace. 6. Trace average at least 100 traces in power averaging (rms) mode. 7. Adjust the reference level as necessary so that the crest of the channel touches the top of the emission mask.
Test Result:	PASS

5.6.2. Test Instruments

Equipment	Manufacturer	Model	Serial Number	Calibration Due
Spectrum Analyzer	Agilent	N9020A	MY49100619	Jun. 26, 2025
Combiner Box	Ascentest	AT890-RFB	/	/

5.7. Contention Based Protocol

5.7.1. Test Specification

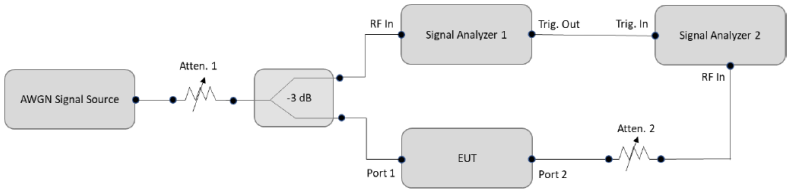
Test Requirement:	FCC Part15 E Section 15.407 (a)
Test Method:	KDB 987594 D02 U-NII 6 GHz EMC Measurement v02r01
Limit:	Unlicensed low-power indoor devices must detect co-channel radio frequency power that is at least -62 dBm or lower. Upon detection of energy in the band, unlicensed low power indoor devices must vacate the channel (in which incumbent signal is transmitted) and stay off the incumbent channel as long as detected radio frequency power is equal to or greater than the threshold (-62 dBm). The -62 dBm (or lower) threshold is referenced to a 0 dBi antenna gain. To ensure incumbent operations are reliably detected in the band, low power indoor devices must detect RF energy throughout their intended operating channel. For example, an 802.11 device that plans to transmit a40 MHz- wide signal (on a primary 20 MHz channel and a secondary 20 MHz channel) must detect energy throughout the entire 40 MHz channel. Additionally, low-power indoor devices must detect co-channel energy with 90% or greater certainty.
Test Setup:	
Test Mode:	Transmitting mode with modulation

Table 1. Criteria to determine number of times detection threshold test may be performed

If	Number of Tests	Placement of Incumbent Transmission
$BW_{EUT} \leq BW_{Inc}$	Once	Tune incumbent and EUT transmissions ($f_{c1} = f_{c2}$)
$BW_{Inc} < BW_{EUT} \leq 2BW_{Inc}$	Once	Incumbent transmission is contained within BW_{EUT}
$2BW_{Inc} < BW_{EUT} \leq 4BW_{Inc}$	Twice. Incumbent transmission is contained within BW_{EUT}	Incumbent transmission is located as closely as possible to the lower edge and upper edge, respectively, of the EUT channel
$BW_{EUT} > 4BW_{Inc}$	Three times	Incumbent transmission is located as closely as possible to the lower edge of the EUT channel, in the middle of EUT channel, and as closely as possible to the upper edge of the EUT channel

where:
BW_{EUT}: Transmission bandwidth of EUT signal
BW_{Inc}: Transmission bandwidth of the simulated incumbent signal (10 MHz wide AWGN signal)
f_{c1}: Center frequency of EUT transmission
f_{c2}: Center frequency of simulated incumbent signal

Test Procedure:	1.Configure the EUT to transmit with a constant duty cycle. 2.Set the operating parameters of the EUT including power level, operating frequency, modulation and bandwidth. 3.Set the signal analyzer center frequency to the nominal EEUT channel center frequency. The span range of the signal analyzer shall be between two times and five times the OBW of the EUT. Connect the output port of the EUT to the signal analyzer 2, as shown in Figure 2. Ensure that the attenuator 2 provides enough attenuation to not overload the signal analyzer 2 receiver. 4.Monitoring the signal analyzer 2, verify the EUT is operating and transmitting with the parameters set at step two. 5.Using an AWGN signal source, generate (but do not transmit, i.e., RF OFF) a 10 MHz-wide AWGN signal. Use Table 1 to determine the center frequency of the 10 MHz AWGN signal relative to the EUT's channel bandwidth and center frequency. 6.Set the AWGN signal power to an extremely low level (more than 20 dB below the -62 dBm threshold).Connect the AWGN signal source, via a 3-dB splitter, to the signal analyzer 1 and the EUT as shown in Figure 2. 7.Transmit the AWGN signal (RF ON) and verify its characteristics on the signal analyzer 1. 8.Monitor the signal analyzer 2 to verify if the AWGN signal has been detected and the EUT has ceased transmission. If the EUT continues to transmit, then incrementally increase the AWGN signal power level until the EUT stops transmitting. 9.(Including all losses in the RF paths) Determine and record the AWGN signal power level (at the EUT's antenna port) at which the EUT ceased transmission. Repeat the procedure at least 10 times to verify the EUT can detect an AWGN signal with 90% (or better) level of certainty. 10.Refer to Table 1 to determine number of times the detection threshold testing needs to be repeated. If testing is required more than once, then go back to step 5, choose a different center frequency for the AWGN signal and repeat the process.
Test Result:	PASS

Hotline: 400-6611-140 Tel: 86-755-27673339 Fax: 86-755-27673332 http://www.tct-lab.com

5.7.2. Test Instruments

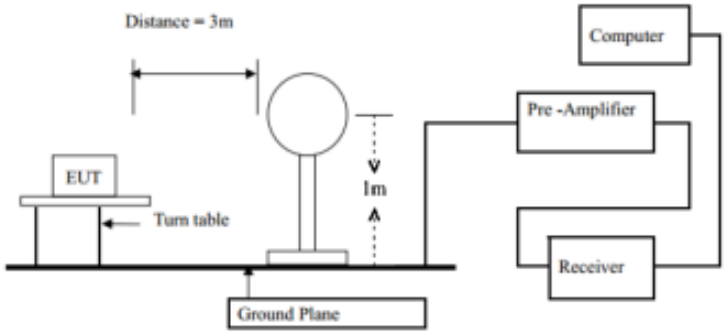
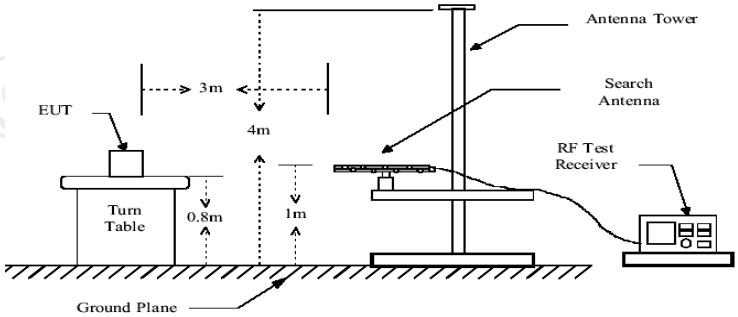
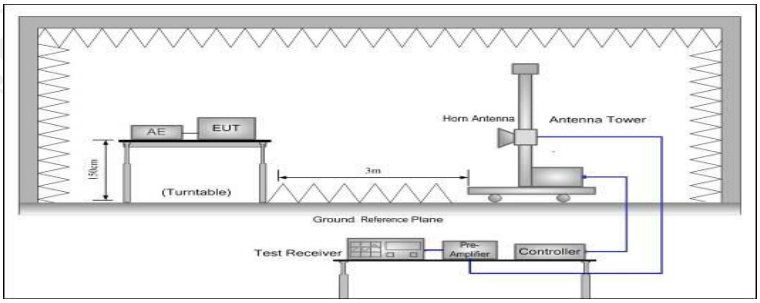
Equipment	Manufacturer	Model	Serial Number	Calibration Due
Spectrum Analyzer	Agilent	N9020A	MY49100619	Jun. 26, 2025
Signal Generator	Agilent	N5173B	MY58108823	Jan. 31, 2025
Combiner Box	Ascentest	AT890-RFB	/	/

5.8. Unwanted Emissions

5.8.1. Test Specification

<table>
<tr><td>Test Requirement:</td><td>FCC CFR47 Part 15 Section 15.407 & 15.209 & 15.205</td></tr>
<tr><td>Test Method:</td><td>KDB 987594 D02 U-NII 6 GHz EMC Measurement v02r01
KDB789033 D02 General UNII Test Procedures New Rules v02r01</td></tr>
<tr><td>Frequency Range:</td><td>9kHz to 40GHz</td></tr>
<tr><td>Measurement Distance:</td><td>3 m</td></tr>
<tr><td>Antenna Polarization:</td><td>Horizontal & Vertical</td></tr>
<tr><td>Operation mode:</td><td>Transmitting mode with modulation</td></tr>
<tr><td>Receiver Setup:</td><td>
<table>
<tr><td>Frequency</td><td>Detector</td><td>RBW</td><td>VBW</td><td>Remark</td></tr>
<tr><td>9kHz- 150kHz</td><td>Quasi-peak</td><td>200Hz</td><td>1kHz</td><td>Quasi-peak Value</td></tr>
<tr><td>150kHz-30MHz</td><td>Quasi-peak</td><td>9kHz</td><td>30kHz</td><td>Quasi-peak Value</td></tr>
<tr><td>30MHz-1GHz</td><td>Quasi-peak</td><td>120KHz</td><td>300KHz</td><td>Quasi-peak Value</td></tr>
<tr><td rowspan="2">Above 1GHz</td><td>Peak</td><td>1MHz</td><td>3MHz</td><td>Peak Value</td></tr>
<tr><td>Peak</td><td>1MHz</td><td>10Hz</td><td>Average Value</td></tr>
</table>
</td></tr>
<tr><td>Limit:</td><td>Unwanted spurious emissions fallen in restricted bands per FCC Part15.205 shall comply with the general field strength limits set forth in § 15.209 as below table,
In restricted bands:
<table>
<tr><td>Frequency</td><td>Detector</td><td>Limit@3m</td></tr>
<tr><td rowspan="2">Above 1G</td><td>Peak</td><td>74dBμV/m</td></tr>
<tr><td>AVG</td><td>54dBμV/m</td></tr>
</table>
<table>
<tr><td>Frequency</td><td>Field Strength (microvolts/meter)</td><td>Measurement Distance (meters)</td></tr>
<tr><td>0.009-0.490</td><td>2400/F(KHz)</td><td>300</td></tr>
<tr><td>0.490-1.705</td><td>24000/F(KHz)</td><td>30</td></tr>
<tr><td>1.705-30</td><td>30</td><td>30</td></tr>
<tr><td>30-88</td><td>100</td><td>3</td></tr>
<tr><td>88-216</td><td>150</td><td>3</td></tr>
<tr><td>216-960</td><td>200</td><td>3</td></tr>
<tr><td>Above 960</td><td>500</td><td>3</td></tr>
</table>
For transmitters operating within the 5.925-7.125 GHz band: Any emissions outside of the 5.925-7.125 GHz band must not exceed an e.i.r.p. of −27 dBm/MHz.
Unwanted emissions outside of restricted bands are measured with a RMS detector. In addition, 15.35(b) applies where the peak emissions must be limited to no more than 20 dB above the average limit.
PEAK: 88.2dBuV/m
AVG: 68.2dBuV/m</td></tr>
</table>

Hotline: 400-6611-140 Tel: 86-755-27673339 Fax: 86-755-27673332 http://www.tct-lab.com

Test setup:	For radiated emissions below 30MHz  30MHz to 1GHz  Above 1GHz 
Test Procedure:	1. The EUT was placed on the top of a rotating table 0.8 meters above the groundat a 3 meter camber. The table was rotated 360 degrees todetermine the position of the highest radiation. 2. The EUT was set 3 meters away from the interference-receiving antenna, whichwas mounted on the top of a variable-height antenna tower. 3. 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. 4. For each suspected emission, the EUT was arranged to its worst case and thenthe antenna was tuned to heights from 1 meter to 4 meters and the rotatablewas turned from 0 degrees to 360 degrees to find the maximum reading. 5. The test-receiver system was set to Peak Detect

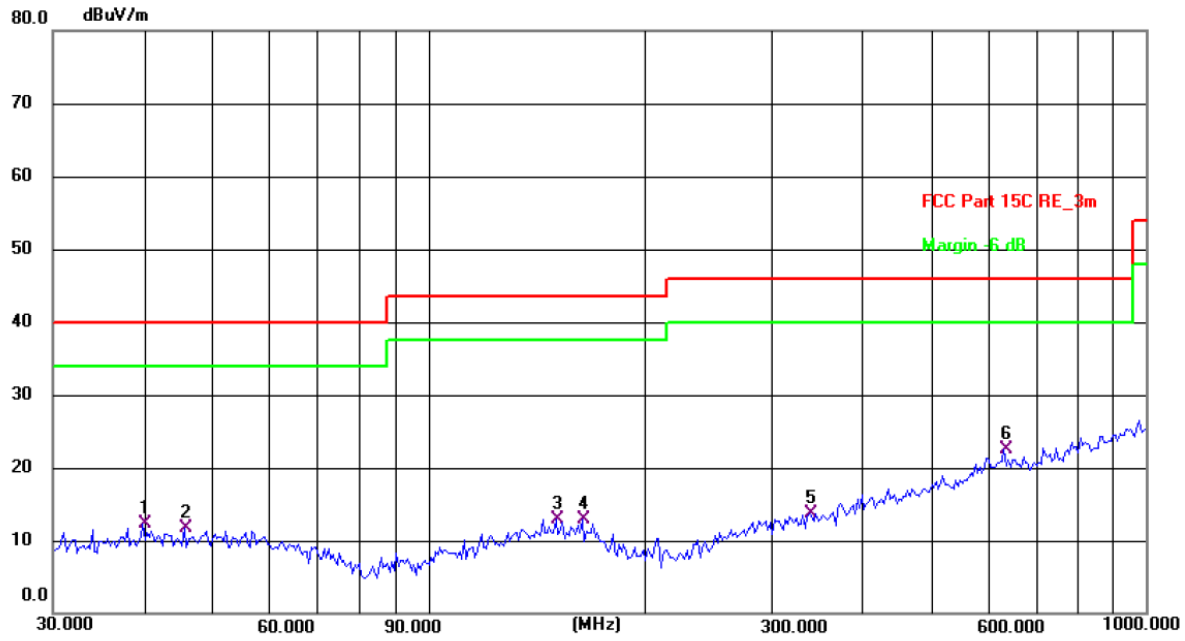
	Function and SpecifiedBandwidth with Maximum Hold Mode. 6. If the emission level of the EUT in peak mode was 10dB lower than the limitspecified, then testing could be stopped and the peak values of the EUT wouldbe reported. Otherwise the emissions that did not have 10dB margin would bere-tested one by one using peak, quasi-peak or average method as specified andthen reported in a data sheet.
Test results:	PASS

5.8.2. Test Data

Please refer to following diagram for individual

Below 1GHz

Horizontal:

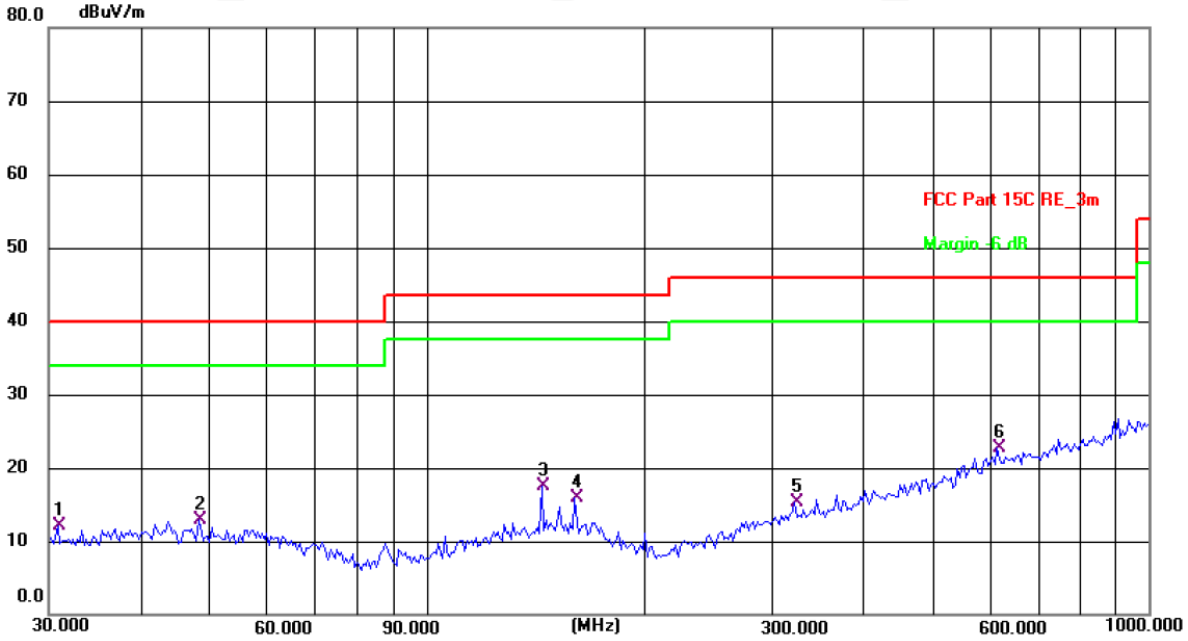


Site: 3m Anechoic Chamber1 Polarization: ***Horizontal*** Temperature: 24.7(C) Humidity: 52 %

Limit: FCC Part 15C RE_3m Power: DC 3.85 V

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F	Remark
1	39.9942	24.61	-12.30	12.31	40.00	-27.69	QP	P	
2	45.6948	24.32	-12.61	11.71	40.00	-28.29	QP	P	
3	150.5378	23.91	-11.04	12.87	43.50	-30.63	QP	P	
4	163.7550	23.98	-11.15	12.83	43.50	-30.67	QP	P	
5	339.5888	23.20	-9.41	13.79	46.00	-32.21	QP	P	
6 *	633.9073	25.93	-3.47	22.46	46.00	-23.54	QP	P	

Vertical:



Site: 3m Anechoic Chamber1 Polarization: ***Vertical*** Temperature: 24.7(C) Humidity: 52 %

Limit: FCC Part 15C RE_3m Power: DC 3.85 V

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F	Remark
1	30.8535	25.67	-13.54	12.13	40.00	-27.87	QP	P	
2	48.3318	25.54	-12.60	12.94	40.00	-27.06	QP	P	
3	144.3348	29.12	-11.71	17.41	43.50	-26.09	QP	P	
4	160.3456	27.05	-11.09	15.96	43.50	-27.54	QP	P	
5	323.3204	24.91	-9.63	15.28	46.00	-30.72	QP	P	
6 *	616.3718	26.55	-3.85	22.70	46.00	-23.30	QP	P	

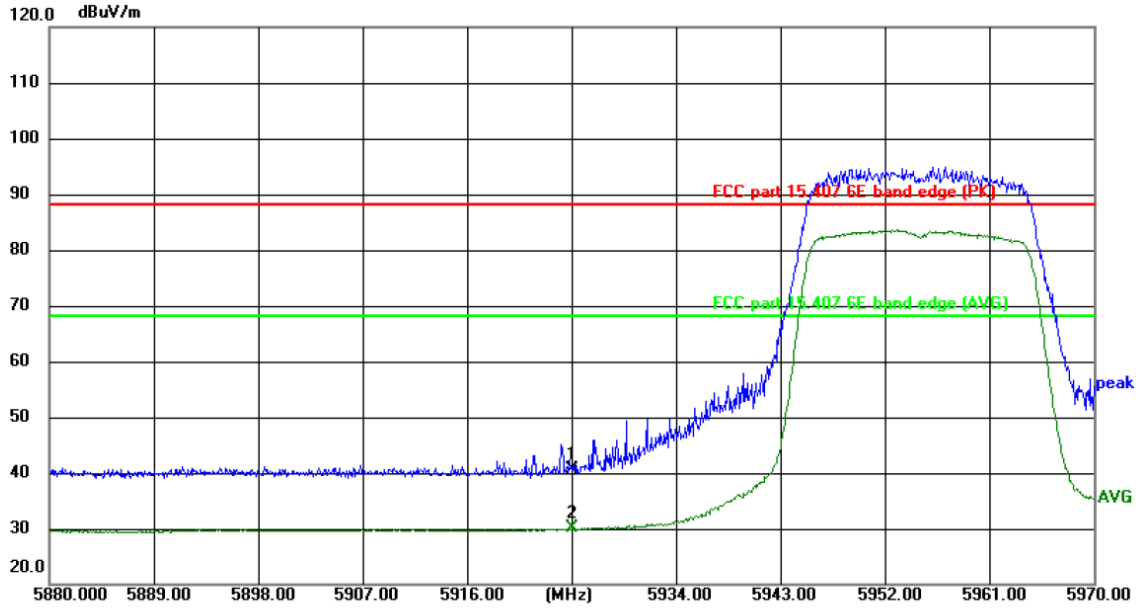
Note: *1. The low frequency, which started from 9KHz~30MHz, was pre-scanned and the result which was 20dB lower than the limit line per 15.31(o) was not reported*

2. Measurements were conducted in all three channels (high, middle, low) and all modulation (802.11a, 802.11ax(HE20), 802.11ax(HE40), 802.11ax(HE80), 802.11ax(HE160)) and the worst case Mode (Channel 175 and 802.11ax(HE160) transmit with antenna 2) was submitted only.

3.Measurement (dBμV) = Reading level + Correction Factor, correction Factor= Antenna Factor + Cable loss – Pre-amplifier.

Test Result of Radiated Spurious at Band edges

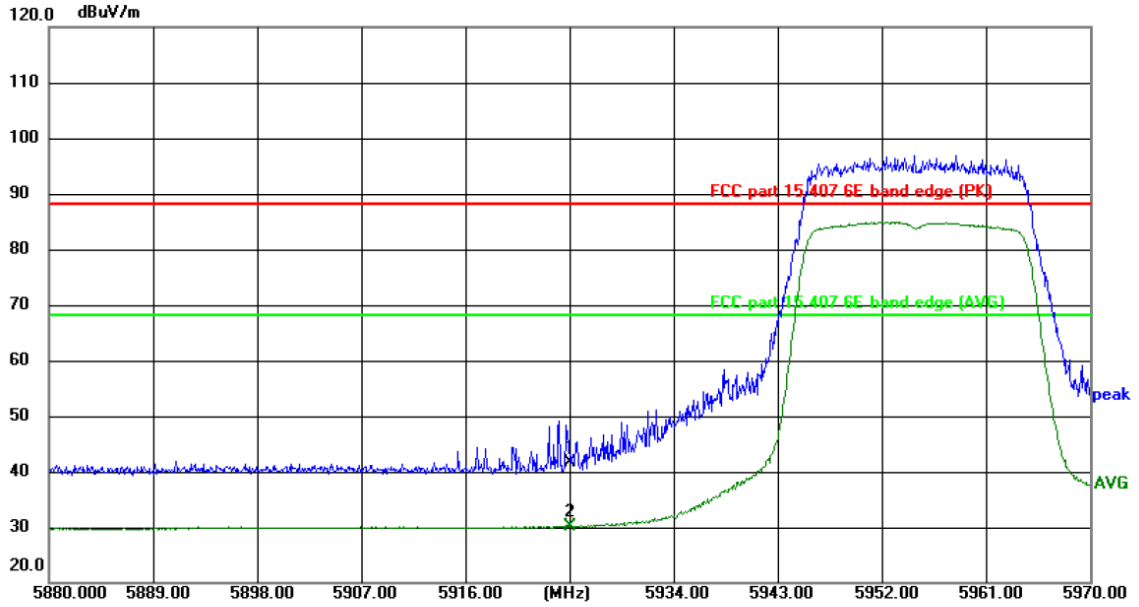
AX20-5955



Site: 3m Anechoic Chamber Polarization: ***Horizontal*** Temperature: 24.8(℃) Humidity: 51 %

Limit: FCC part 15.407 6E band edge (PK) Power:DC 3.85 V

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F	Remark
1	5925.000	47.30	-6.59	40.71	88.20	-47.49	peak	P	
2 *	5925.000	36.65	-6.59	30.06	68.20	-38.14	AVG	P	

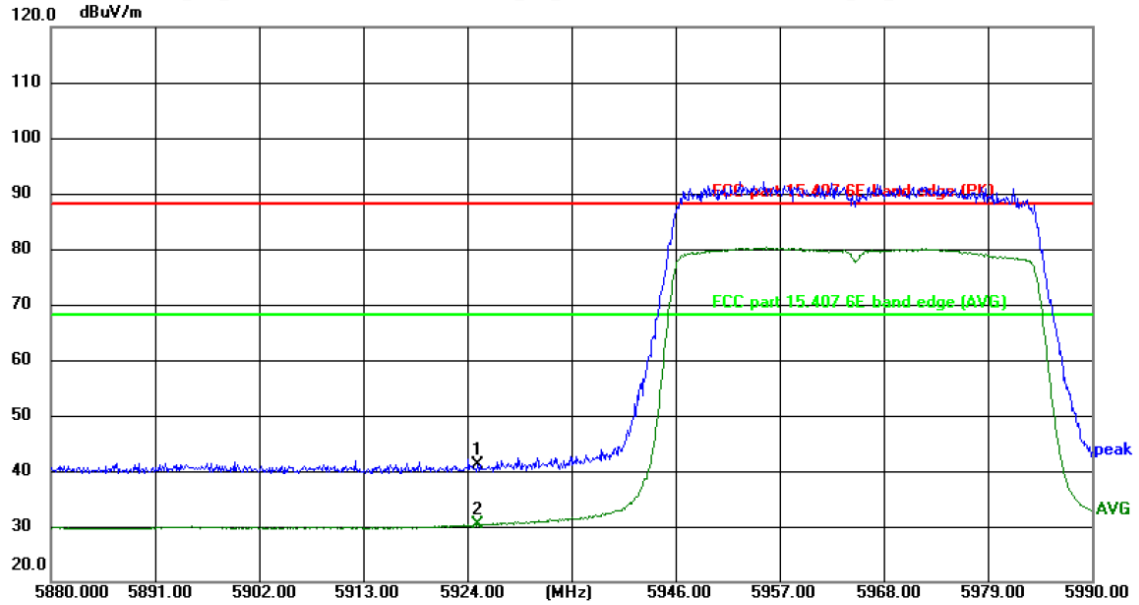


Site: 3m Anechoic Chamber Polarization: ***Vertical*** Temperature: 24.8(℃) Humidity: 51 %

Limit: FCC part 15.407 6E band edge (PK) Power:DC 3.85 V

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F	Remark
1	5925.000	48.16	-6.59	41.57	88.20	-46.63	peak	P	
2 *	5925.000	36.67	-6.59	30.08	68.20	-38.12	AVG	P	

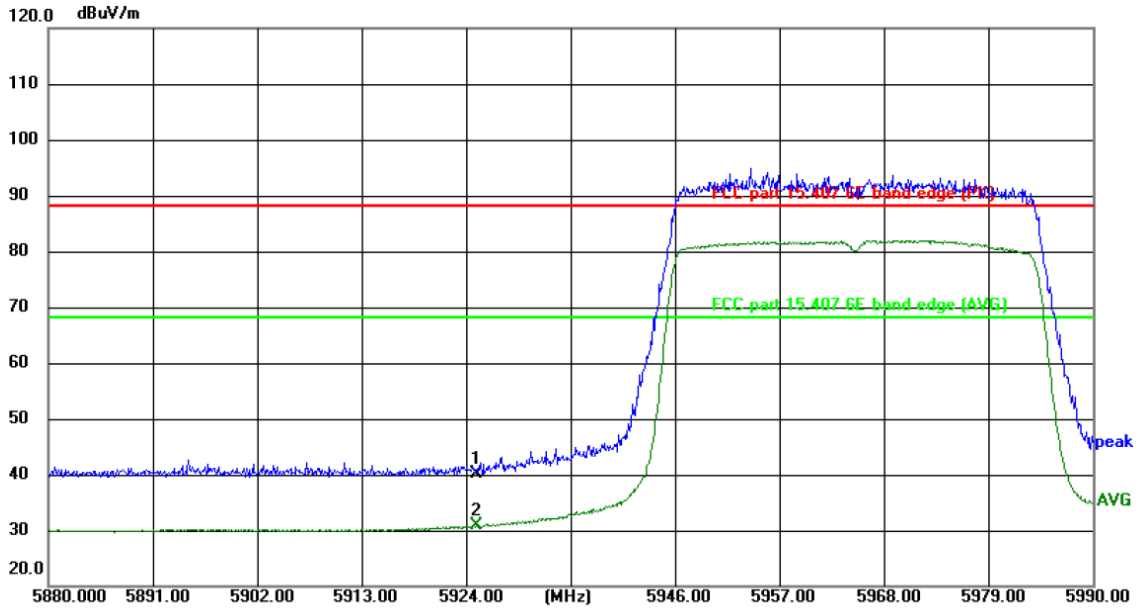
AX40-5965



Site: 3m Anechoic Chamber Polarization: ***Horizontal*** Temperature: 24.8(℃) Humidity: 51 %

Limit: FCC part 15.407 6E band edge (PK) Power:DC 3.85 V

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F	Remark
1	5925.000	47.60	-6.59	41.01	88.20	-47.19	peak	P	
2 *	5925.000	36.89	-6.59	30.30	68.20	-37.90	AVG	P	

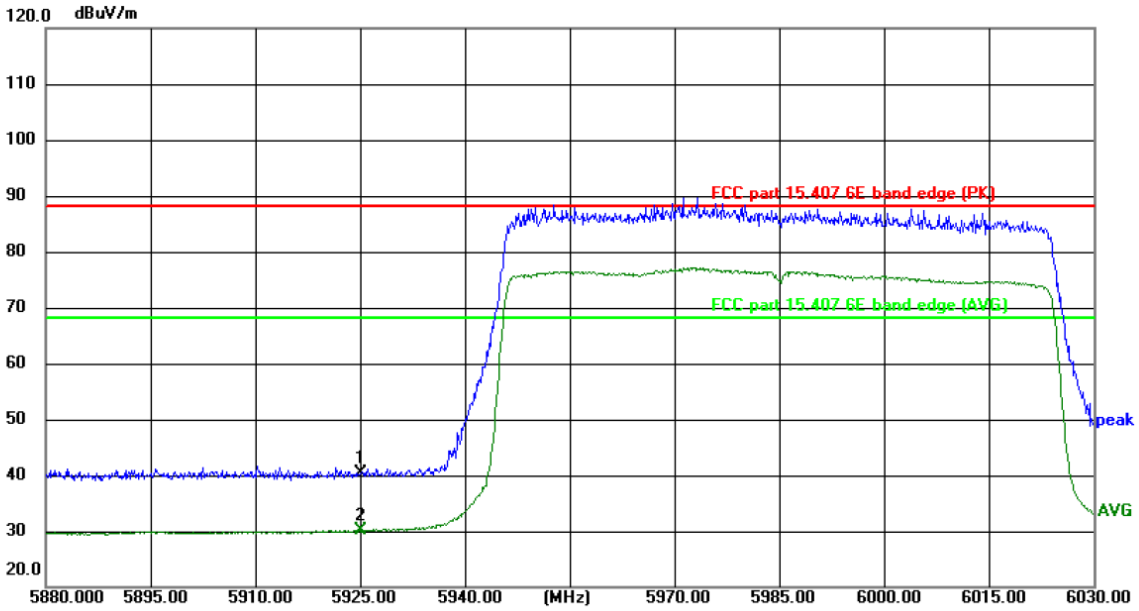


Site: 3m Anechoic Chamber Polarization: ***Vertical*** Temperature: 24.8(℃) Humidity: 51 %

Limit: FCC part 15.407 6E band edge (PK) Power:DC 3.85 V

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F	Remark
1	5925.000	46.71	-6.59	40.12	88.20	-48.08	peak	P	
2 *	5925.000	37.35	-6.59	30.76	68.20	-37.44	AVG	P	

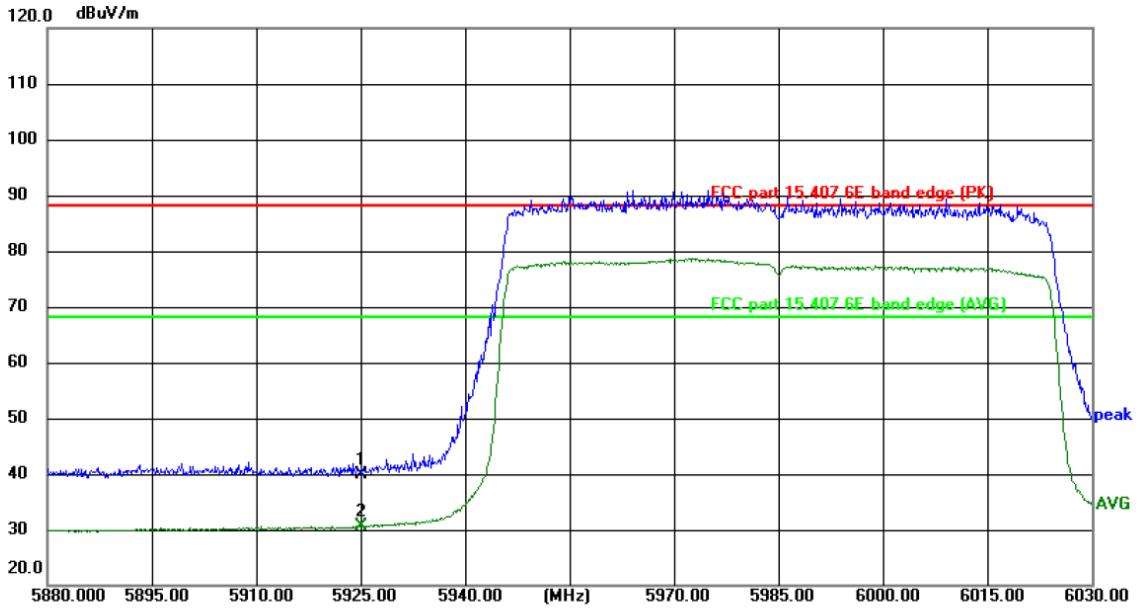
AX80-5985



Site: 3m Anechoic Chamber Polarization: ***Horizontal*** Temperature: 24.8(℃) Humidity: 51 %

Limit: FCC part 15.407 6E band edge (PK) Power:DC 3.85 V

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F	Remark
1	5925.000	46.85	-6.59	40.26	88.20	-47.94	peak	P	
2 *	5925.000	36.67	-6.59	30.08	68.20	-38.12	AVG	P	

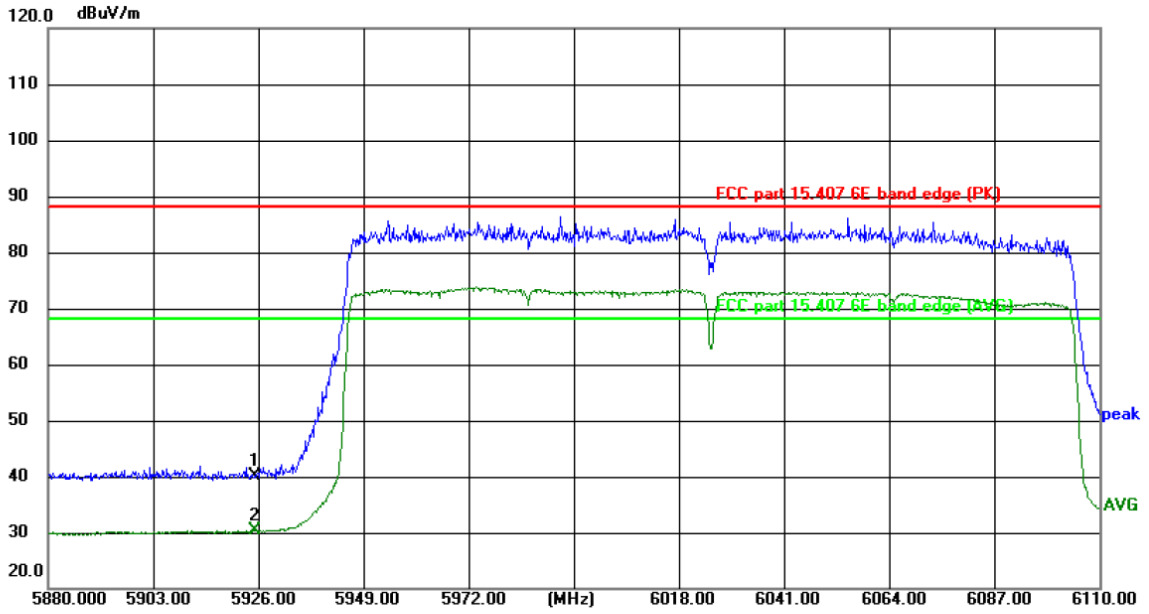


Site: 3m Anechoic Chamber Polarization: ***Vertical*** Temperature: 24.8(℃) Humidity: 51 %

Limit: FCC part 15.407 6E band edge (PK) Power:DC 3.85 V

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F	Remark
1	5925.000	46.51	-6.59	39.92	88.20	-48.28	peak	P	
2 *	5925.000	37.15	-6.59	30.56	68.20	-37.64	AVG	P	

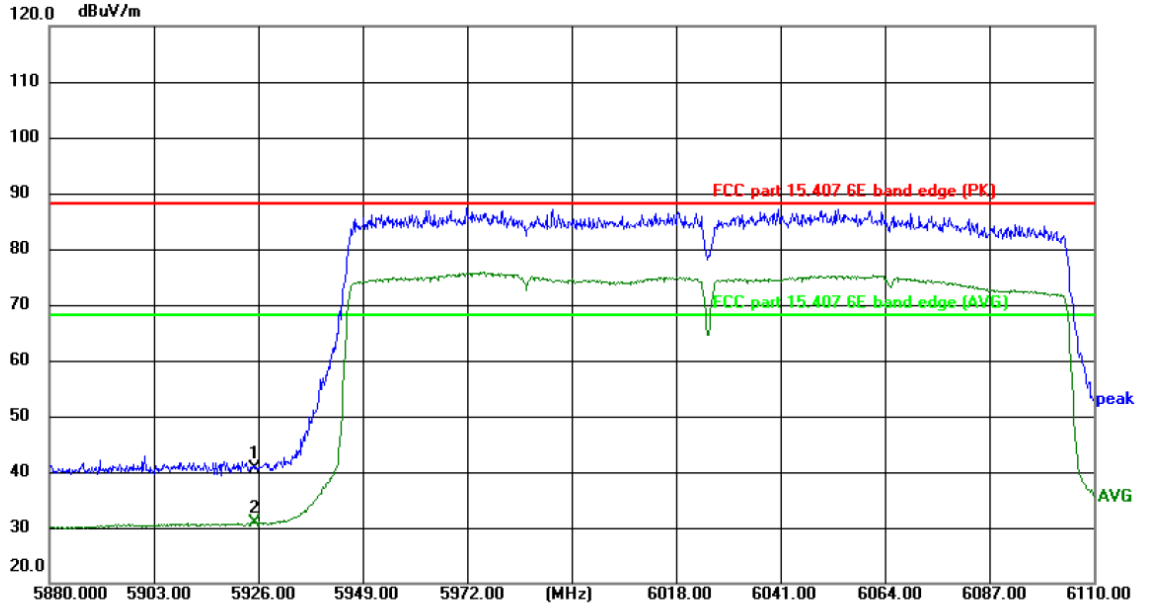
AX160-6025



Site: 3m Anechoic Chamber Polarization: ***Horizontal*** Temperature: 24.8(℃) Humidity: 51 %

Limit: FCC part 15.407 6E band edge (PK) Power:DC 3.85 V

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F	Remark
1	5925.000	46.74	-6.59	40.15	88.20	-48.05	peak	P	
2 *	5925.000	36.90	-6.59	30.31	68.20	-37.89	AVG	P	

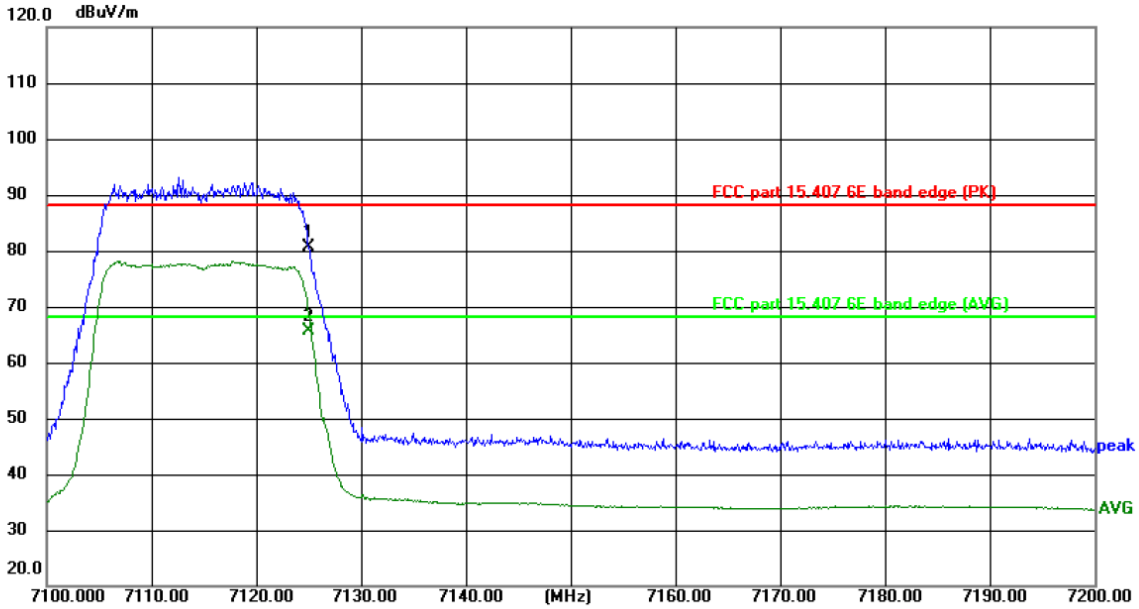


Site: 3m Anechoic Chamber Polarization: ***Vertical*** Temperature: 24.8(℃) Humidity: 51 %

Limit: FCC part 15.407 6E band edge (PK) Power:DC 3.85 V

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F	Remark
1	5925.000	47.29	-6.59	40.70	88.20	-47.50	peak	P	
2 *	5925.000	37.35	-6.59	30.76	68.20	-37.44	AVG	P	

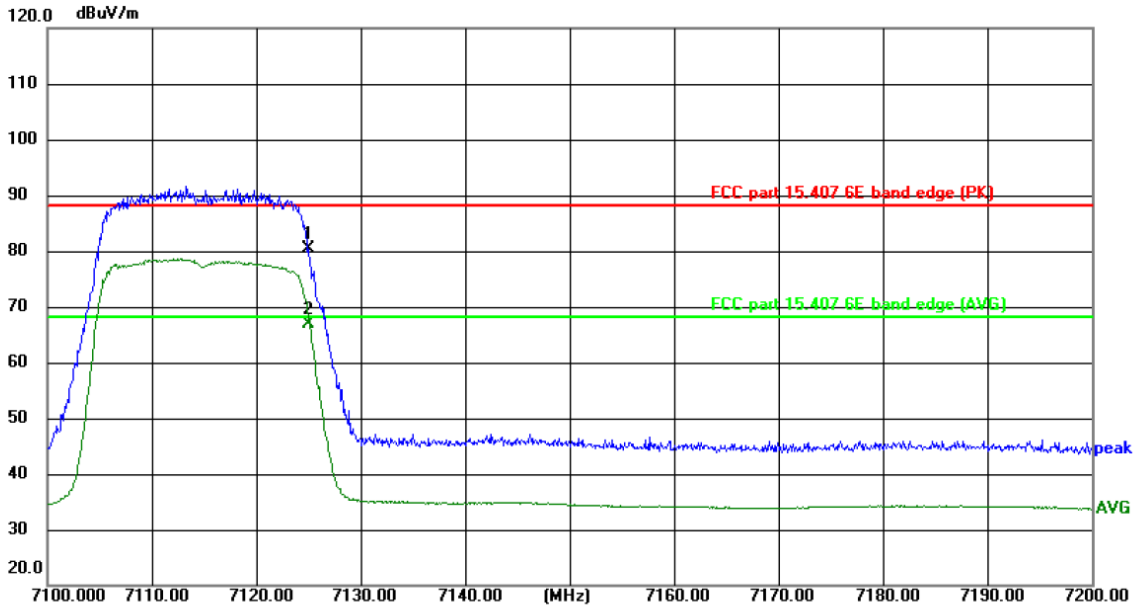
AX20-7115



Site: 3m Anechoic Chamber Polarization: ***Horizontal*** Temperature: 24.8(℃) Humidity: 51 %

Limit: FCC part 15.407 6E band edge (PK) Power:DC 3.85 V

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F	Remark
1	7125.000	83.13	-2.43	80.70	88.20	-7.50	peak	P	
2 *	7125.000	68.18	-2.43	65.75	68.20	-2.45	AVG	P	

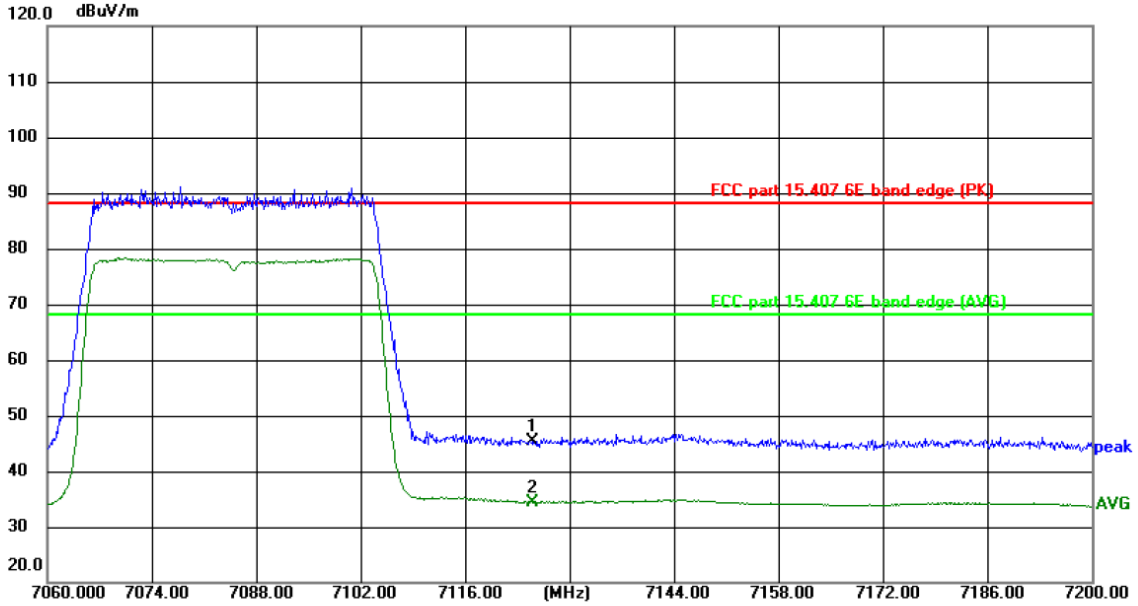


Site: 3m Anechoic Chamber Polarization: ***Vertical*** Temperature: 24.8(℃) Humidity: 51 %

Limit: FCC part 15.407 6E band edge (PK) Power:DC 3.85 V

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F	Remark
1	7125.000	82.81	-2.43	80.38	88.20	-7.82	peak	P	
2 *	7125.000	69.26	-2.43	66.83	68.20	-1.37	AVG	P	

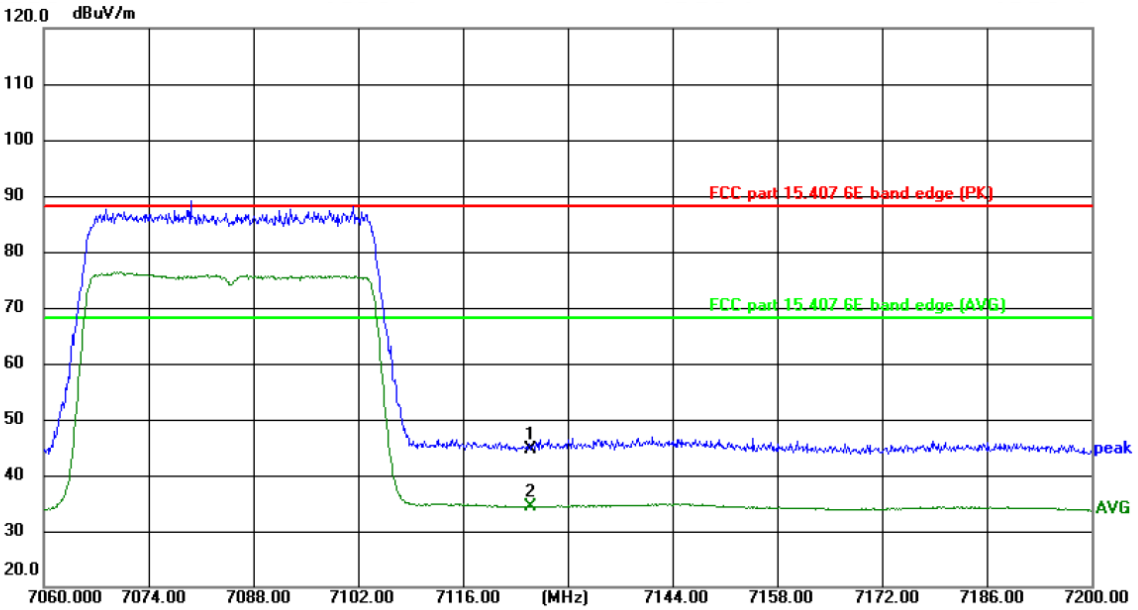
AX40-7085



Site: 3m Anechoic Chamber Polarization: ***Horizontal*** Temperature: 24.8(℃) Humidity: 51 %

Limit: FCC part 15.407 6E band edge (PK) Power:DC 3.85 V

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F	Remark
1	7125.000	47.71	-2.43	45.28	88.20	-42.92	peak	P	
2 *	7125.000	36.80	-2.43	34.37	68.20	-33.83	AVG	P	

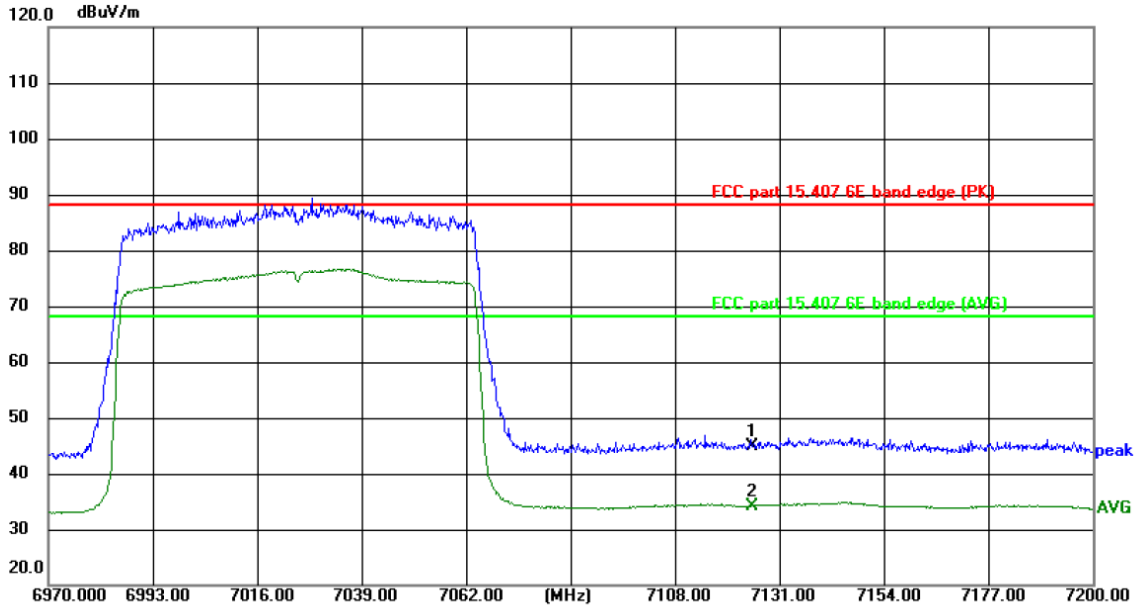


Site: 3m Anechoic Chamber Polarization: ***Vertical*** Temperature: 24.8(℃) Humidity: 51 %

Limit: FCC part 15.407 6E band edge (PK) Power:DC 3.85 V

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F	Remark
1	7125.000	47.17	-2.43	44.74	88.20	-43.46	peak	P	
2 *	7125.000	36.83	-2.43	34.40	68.20	-33.80	AVG	P	

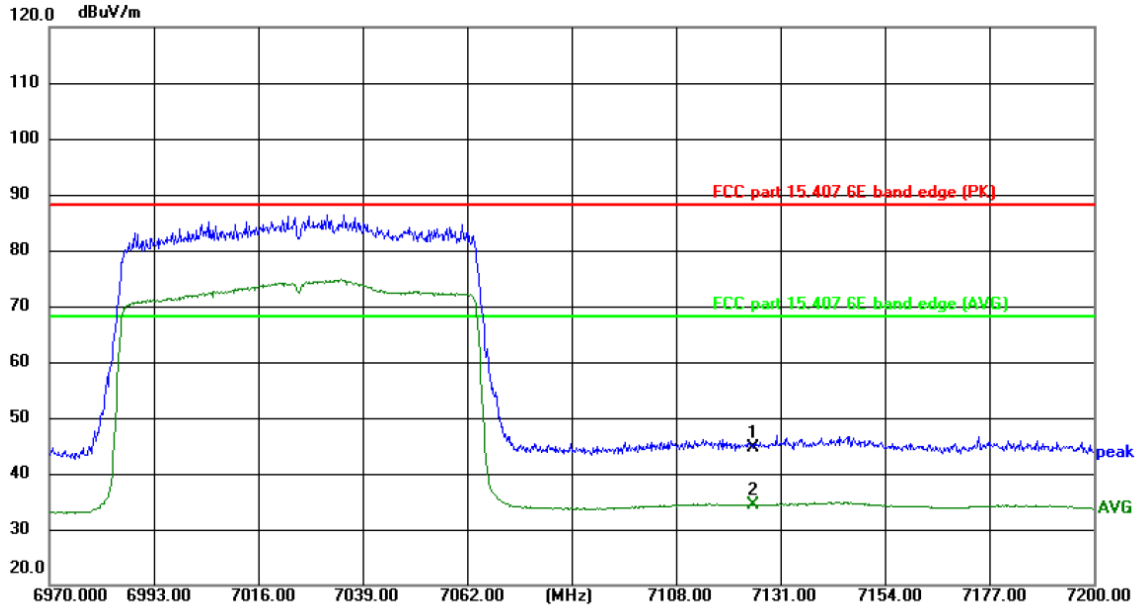
AX80-7025



Site: 3m Anechoic Chamber Polarization: ***Horizontal*** Temperature: 24.8(℃) Humidity: 51 %

Limit: FCC part 15.407 6E band edge (PK) Power:DC 3.85 V

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F	Remark
1	7125.000	47.26	-2.43	44.83	88.20	-43.37	peak	P	
2 *	7125.000	36.66	-2.43	34.23	68.20	-33.97	AVG	P	

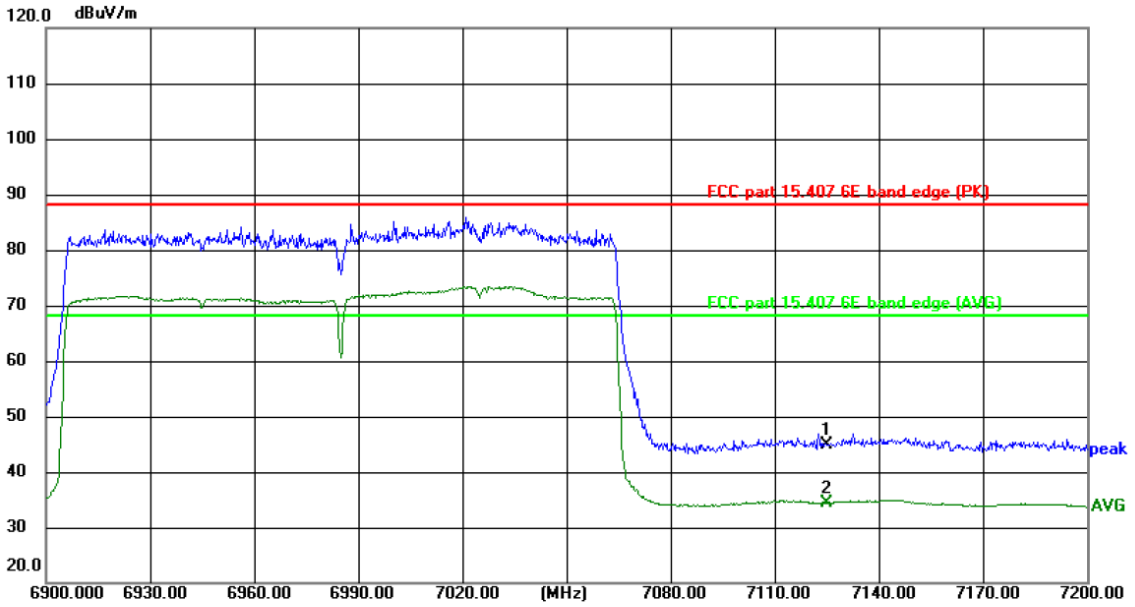


Site: 3m Anechoic Chamber Polarization: ***Vertical*** Temperature: 24.8(℃) Humidity: 51 %

Limit: FCC part 15.407 6E band edge (PK) Power:DC 3.85 V

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F	Remark
1	7125.000	47.18	-2.43	44.75	88.20	-43.45	peak	P	
2 *	7125.000	36.78	-2.43	34.35	68.20	-33.85	AVG	P	

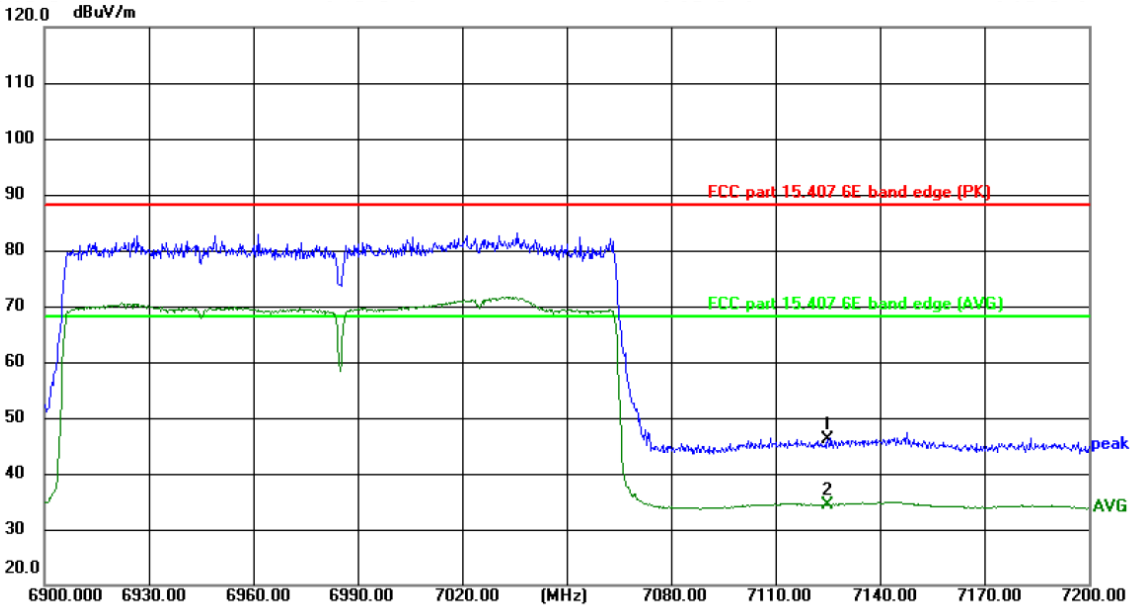
AX160-6985



Site: 3m Anechoic Chamber Polarization: ***Horizontal*** Temperature: 24.8(℃) Humidity: 51 %

Limit: FCC part 15.407 6E band edge (PK) Power:DC 3.85 V

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F	Remark
1	7125.000	47.28	-2.43	44.85	88.20	-43.35	peak	P	
2 *	7125.000	36.88	-2.43	34.45	68.20	-33.75	AVG	P	



Site: 3m Anechoic Chamber Polarization: ***Vertical*** Temperature: 24.8(℃) Humidity: 51 %

Limit: FCC part 15.407 6E band edge (PK) Power:DC 3.85 V

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F	Remark
1	7125.000	48.54	-2.43	46.11	88.20	-42.09	peak	P	
2 *	7125.000	36.81	-2.43	34.38	68.20	-33.82	AVG	P	

Note: All modulation (802.11a, 802.11ax) have been tested, only the worst case in 802.11ax be reported.

Modulation Type: U-NII 5									
11a 5955MHz									
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBμV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
11910	H	43.95	---	2.64	46.59	---	74	54	-7.41
---	H	---	---	---	---	---	---	---	---
11910	V	44.21	---	2.64	46.85	---	74	54	-7.15
---	V	---	---	---	---	----	---	---	---
11a 6175MHz									
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBμV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
12350	H	44.03	---	2.49	46.52	---	74	54	-7.48
---	H	---	---	---	---	---	---	---	---
12350	V	44.14	---	2.49	46.63	---	74	54	-7.37
---	V	---	---	---	---	----	---	---	---
11a 6415MHz									
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBμV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
12830	H	58.23	---	2.09	60.32	---	88.2	68.2	-7.88
---	H	---	---	---	---	---	---	---	---
12830	V	58.16	---	2.09	60.25	---	88.2	68.2	-7.95
---	V	---	---	---	---	----	---	---	---
11ax(HE20) 5955MHz									
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBμV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
11910	H	42.39	---	2.64	45.03	---	74	54	-8.97
---	H	---	---	---	---	---	---	---	---
11910	V	43.01	---	2.64	45.65	---	74	54	-8.35
---	V	---	---	---	---	----	---	---	---

11ax(HE20) 6175MHz									
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBμV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
12350	H	42.52	---	2.49	45.01	---	74	54	-8.99
---	H	---	---	---	---	---	---	---	---
12350	V	43.74	---	2.49	46.23	---	74	54	-7.77
---	V	---	---	---	---	----	---	---	---

11ax(HE20) 6415MHz									
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBμV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
12830	H	57.15	---	2.09	59.24	---	88.2	68.2	-8.96
---	H	---	---	---	---	---	---	---	---
12830	V	57.32	---	2.09	59.41	---	88.2	68.2	-8.79
---	V	---	---	---	---	----	---	---	---

11ax(HE40) 5965MHz									
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBμV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
11930	H	43.78	---	2.64	46.42	---	74	54	-7.58
---	H	---	---	---	---	---	---	---	---
11930	V	43.02	---	2.64	45.66	---	74	54	-8.34
---	V	---	---	---	---	----	---	---	---

11ax(HE40) 6165MHz									
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBμV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
12330	H	43.25	---	2.50	45.75	---	74	54	-8.25
---	H	---	---	---	---	---	---	---	---
12330	V	42.96	---	2.50	45.46	---	74	54	-8.54
---	V	---	---	---	---	----	---	---	---

11ax(HE40) 6405MHz									
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBμV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
12810	H	57.35	---	2.11	59.46	---	88.2	68.2	-8.74
---	H	---	---	---	---	---	---	---	---
12810	V	57.68	---	2.11	59.79	---	88.2	68.2	-8.41
---	V	---	---	---	---	----	---	---	---

11ax(HE80) 5985MHz									
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBμV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
11970	H	45.31	---	2.65	47.96	---	74	54	-6.04
---	H	---	---	---	---	---	---	---	---
11970	V	44.86	---	2.65	47.51	---	74	54	-6.49
---	V	---	---	---	---	----	---	---	---

11ax(HE80) 6145MHz									
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBμV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
12290	H	44.05	---	2.50	46.55	---	74	54	-7.45
---	H	---	---	---	---	---	---	---	---
12290	V	44.74	---	2.50	47.24	---	74	54	-6.76
---	V	---	---	---	---	----	---	---	---

11ax(HE80) 6385MHz									
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBμV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
12770	H	58.56	---	2.12	60.68	---	88.2	68.2	-7.52
---	H	---	---	---	---	---	---	---	---
12770	V	59.07	---	2.12	61.19	---	88.2	68.2	-7.01
---	V	---	---	---	---	----	---	---	---

11ax(HE160) 6025MHz									
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBμV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
12050	H	44.95	---	2.64	47.59	---	74	54	-6.41
---	H	---	---	---	---	---	---	---	---
12050	V	45.17	---	2.64	47.81	---	74	54	-6.19
---	V	---	---	---	---	----	---	---	---

11ax(HE160) 6185MHz									
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBμV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
12370	H	43.41	---	2.49	45.90	---	74	54	-8.10
---	H	---	---	---	---	---	---	---	---
12370	V	43.28	---	2.49	45.77	---	74	54	-8.23
---	V	---	---	---	---	----	---	---	---

Hotline: 400-6611-140 Tel: 86-755-27673339 Fax: 86-755-27673332 http://www.tct-lab.com

11ax(HE160) 6345MHz									
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBμV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
12690	H	43.06	---	2.15	45.21	---	74	54	-8.79
---	H	---	---	---	---	---	---	---	---
12690	V	42.78	---	2.15	44.93	---	74	54	-9.07
---	V	---	---	---	---	----	---	---	---

Note:

1. *Emission Level=Peak Reading + Correction Factor; Correction Factor= Antenna Factor + Cable loss – Pre-amplifier*
2. *Margin (dB) = Emission Level (Peak) (dBμV/m)-Average limit (dBμV/m)*
3. *The emission levels of other frequencies are very lower than the limit and not show in test report.*
4. *Measurements were conducted from 1 GHz to the 10th harmonic of highest fundamental frequency. The highest test frequency is 40GHz.*
5. *Data of measurement shown "---"in the above table mean that the reading of emissions is attenuated more than 20 dB below the limits or the field strength is too small to be measured.*

Modulation Type: U-NII 6									
11a 6435MHz									
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBμV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
12870	H	58.25	---	2.04	60.29	---	88.2	68.2	-7.91
---	H	---	---	---	---	---	---	---	---
12870	V	58.98	---	2.04	61.02	---	88.2	68.2	-7.18
---	V	---	---	---	---	----	---	---	---
11a 6475MHz									
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBμV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
12950	H	57.14	---	2.00	59.14	---	88.2	68.2	-9.06
---	H	---	---	---	---	---	---	---	---
12950	V	57.52	---	2.00	59.52	---	88.2	68.2	-8.68
---	V	---	---	---	---	----	---	---	---
11a 6515MHz									
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBμV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
13030	H	59.23	---	2.06	61.29	---	88.2	68.2	-6.91
---	H	---	---	---	---	---	---	---	---
13030	V	58.07	---	2.06	60.13	---	88.2	68.2	-8.07
---	V	---	---	---	---	----	---	---	---
11ax(HE20) 6435MHz									
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBμV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
12870	H	58.04	---	2.04	60.08	---	88.2	68.2	-8.12
---	H	---	---	---	---	---	---	---	---
12870	V	59.32	---	2.04	61.36	---	88.2	68.2	-6.84
---	V	---	---	---	---	----	---	---	---

11ax(HE20) 6475MHz									
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBμV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
12950	H	58.56	---	2.00	60.56	---	88.2	68.2	-7.64
---	H	---	---	---	---	---	---	---	---
12950	V	59.84	---	2.00	61.84	---	88.2	68.2	-6.36
---	V	---	---	---	---	----	---	---	---

11ax(HE20) 6515MHz									
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBμV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
13030	H	59.12	---	2.06	61.18	---	88.2	68.2	-7.02
---	H	---	---	---	---	---	---	---	---
13030	V	58.58	---	2.06	60.64	---	88.2	68.2	-7.56
---	V	---	---	---	---	----	---	---	---

11ax(HE40) 6445MHz									
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBμV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
12890	H	56.87	---	2.01	58.88	---	88.2	68.2	-9.32
---	H	---	---	---	---	---	---	---	---
12890	V	58.52	---	2.01	60.53	---	88.2	68.2	-7.67
---	V	---	---	---	---	----	---	---	---

11ax(HE40) 6485MHz									
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBμV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
12970	H	57.15	---	1.99	59.14	---	88.2	68.2	-9.06
---	H	---	---	---	---	---	---	---	---
12970	V	56.74	---	1.99	58.73	---	88.2	68.2	-9.47
---	V	---	---	---	---	----	---	---	---

11ax(HE40) 6525MHz									
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBμV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
13050	H	59.02	---	2.10	61.12	---	88.2	68.2	-7.08
---	H	---	---	---	---	---	---	---	---
13050	V	58.57	---	2.10	60.67	---	88.2	68.2	-7.53
---	V	---	---	---	---	----	---	---	---

11ax(HE80) 6465MHz									
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBμV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
12930	H	57.51	---	2.00	59.51	---	88.2	68.2	-8.69
---	H	---	---	---	---	---	---	---	---
12930	V	56.96	---	2.00	58.96	---	88.2	68.2	-9.24
---	V	---	---	---	---	----	---	---	---

11ax(HE80) 6545MHz									
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBμV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
13090	H	57.98	---	2.20	60.18	---	88.2	68.2	-8.02
---	H	---	---	---	---	---	---	---	---
13090	V	58.17	---	2.20	60.37	---	88.2	68.2	-7.83
---	V	---	---	---	---	----	---	---	---

11ax(HE160) 6505MHz									
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBμV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
13010	H	58.28	---	2.01	60.29	---	88.2	68.2	-7.91
---	H	---	---	---	---	---	---	---	---
13010	V	59.06	---	2.01	61.07	---	88.2	68.2	-7.13
---	V	---	---	---	---	----	---	---	---

Note:

1. *Emission Level=Peak Reading + Correction Factor; Correction Factor= Antenna Factor + Cable loss – Pre-amplifier*
2. *Margin (dB) = Emission Level (Peak) (dBμV/m)-Average limit (dBμV/m)*
3. *The emission levels of other frequencies are very lower than the limit and not show in test report.*
4. *Measurements were conducted from 1 GHz to the 10th harmonic of highest fundamental frequency. The highest test frequency is 40GHz.*
5. *Data of measurement shown "---"in the above table mean that the reading of emissions is attenuated more than 20 dB below the limits or the field strength is too small to be measured.*

Modulation Type: U-NII 7									
11a 6535MHz									
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBμV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
13070	H	58.12	---	2.15	60.27	---	88.2	68.2	-7.93
---	H	---	---	---	---	---	---	---	---
13070	V	57.47	---	2.15	59.62	---	88.2	68.2	-8.58
---	V	---	---	---	---	----	---	---	---
11a 6695MHz									
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBμV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
13390	H	42.03	---	3.06	45.09	---	74	54	-8.91
---	H	---	---	---	---	---	---	---	---
13390	V	43.56	---	3.06	46.62	---	74	54	-7.38
---	V	---	---	---	---	----	---	---	---
11a 6855MHz									
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBμV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
13710	H	57.96	---	3.88	61.84	---	88.2	68.2	-6.36
---	H	---	---	---	---	---	---	---	---
13710	V	58.51	---	3.88	62.39	---	88.2	68.2	-5.81
---	V	---	---	---	---	----	---	---	---
11a 6875MHz									
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBμV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
13750	H	57.69	---	3.98	61.67	---	88.2	68.2	-6.53
---	H	---	---	---	---	---	---	---	---
13750	V	57.47	---	3.98	61.45	---	88.2	68.2	-6.75
---	V	---	---	---	---	----	---	---	---

11ax(HE20) 6535MHz									
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBμV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
13070	H	57.86	---	2.15	60.01	---	88.2	68.2	-8.19
---	H	---	---	---	---	---	---	---	---
13070	V	56.57	---	2.15	58.72	---	88.2	68.2	-9.48
---	V	---	---	---	---	----	---	---	---

11ax(HE20) 6695MHz									
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBμV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
13390	H	42.87	---	3.06	45.93	---	74	54	-8.07
---	H	---	---	---	---	---	---	---	---
13390	V	43.25	---	3.06	46.31	---	74	54	-7.69
---	V	---	---	---	---	----	---	---	---

11ax(HE20) 6855MHz									
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBμV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
13710	H	56.23	---	3.88	60.11	---	88.2	68.2	-8.09
---	H	---	---	---	---	---	---	---	---
13710	V	55.58	---	3.88	59.46	---	88.2	68.2	-8.74
---	V	---	---	---	---	----	---	---	---

11ax(HE20) 6875MHz									
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBμV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
13750	H	57.96	---	3.98	61.94	---	88.2	68.2	-6.26
---	H	---	---	---	---	---	---	---	---
13750	V	58.54	---	3.98	62.52	---	88.2	68.2	-5.68
---	V	---	---	---	---	----	---	---	---

11ax(HE40) 6565MHz									
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBμV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
13130	H	56.21	---	2.31	58.52	---	88.2	68.2	-9.68
---	H	---	---	---	---	---	---	---	---
13130	V	57.57	---	2.31	59.88	---	88.2	68.2	-8.32
---	V	---	---	---	---	----	---	---	---

Hotline: 400-6611-140 Tel: 86-755-27673339 Fax: 86-755-27673332 http://www.tct-lab.com

11ax(HE40) 6685MHz									
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBμV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
13370	H	42.96	---	2.99	45.95	---	74	54	-8.05
---	H	---	---	---	---	---	---	---	---
13370	V	41.35	---	2.99	44.34	---	74	54	-9.66
---	V	---	---	---	---	----	---	---	---

11ax(HE40) 6845MHz									
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBμV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
13690	H	55.49	---	3.84	59.33	---	88.2	68.2	-8.87
---	H	---	---	---	---	---	---	---	---
13690	V	56.03	---	3.84	59.87	---	88.2	68.2	-8.33
---	V	---	---	---	---	----	---	---	---

11ax(HE80) 6625MHz									
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBμV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
13250	H	42.82	---	2.65	45.47	---	74	54	-8.53
---	H	---	---	---	---	---	---	---	---
13250	V	43.14	---	2.65	45.79	---	74	54	-8.21
---	V	---	---	---	---	----	---	---	---

11ax(HE80) 6705MHz									
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBμV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
13410	H	57.02	---	3.11	60.13	---	88.2	68.2	-8.07
---	H	---	---	---	---	---	---	---	---
13410	V	56.65	---	3.11	59.76	---	88.2	68.2	-8.44
---	V	---	---	---	---	----	---	---	---

11ax(HE80) 6785MHz									
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBμV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
13570	H	55.98	---	3.47	59.45	---	88.2	68.2	-8.75
---	H	---	---	---	---	---	---	---	---
13570	V	56.31	---	3.47	59.78	---	88.2	68.2	-8.42
---	V	---	---	---	---	----	---	---	---

11ax(HE80) 6865MHz									
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBμV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
13730	H	54.63	---	3.93	58.56	---	88.2	68.2	-9.64
---	H	---	---	---	---	---	---	---	---
13730	V	55.05	---	3.93	58.98	---	88.2	68.2	-9.22
---	V	---	---	---	---	----	---	---	---

11ax(HE160) 6665MHz									
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBμV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
13330	H	41.72	---	2.86	44.58	---	74	54	-9.42
---	H	---	---	---	---	---	---	---	---
13330	V	42.65	---	2.86	45.51	---	74	54	-8.49
---	V	---	---	---	---	----	---	---	---

11ax(HE160) 6825MHz									
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBμV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
13650	H	55.15	---	3.70	58.85	---	88.2	68.2	-9.35
---	H	---	---	---	---	---	---	---	---
13650	V	55.37	---	3.70	59.07	---	88.2	68.2	-9.13
---	V	---	---	---	---	----	---	---	---

Note:

1. *Emission Level=Peak Reading + Correction Factor; Correction Factor= Antenna Factor + Cable loss – Pre-amplifier*
2. *Margin (dB) = Emission Level (Peak) (dBμV/m)-Average limit (dBμV/m)*
3. *The emission levels of other frequencies are very lower than the limit and not show in test report.*
4. *Measurements were conducted from 1 GHz to the 10th harmonic of highest fundamental frequency. The highest test frequency is 40GHz.*
5. *Data of measurement shown "---"in the above table mean that the reading of emissions is attenuated more than 20 dB below the limits or the field strength is too small to be measured.*

Modulation Type: U-NII 8									
11a 6895MHz									
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBμV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
13790	H	55.95	---	4.07	60.02	---	88.2	68.2	-8.18
---	H	---	---	---	---	---	---	---	---
13790	V	54.87	---	4.07	58.94	---	88.2	68.2	-9.26
---	V	---	---	---	---	----	---	---	---
11a 6995MHz									
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBμV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
13990	H	57.54	---	4.71	62.25	---	88.2	68.2	-5.95
---	H	---	---	---	---	---	---	---	---
13990	V	56.28	---	4.71	60.99	---	88.2	68.2	-7.21
---	V	---	---	---	---	----	---	---	---
11a 7115MHz									
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBμV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
14230	H	56.18	---	5.03	61.21	---	88.2	68.2	-6.99
---	H	---	---	---	---	---	---	---	---
14230	V	55.96	---	5.03	60.99	---	88.2	68.2	-7.21
---	V	---	---	---	---	----	---	---	---
11ax(HE20) 6895MHz									
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBμV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
13790	H	56.57	---	4.07	60.64	---	88.2	68.2	-7.56
---	H	---	---	---	---	---	---	---	---
13790	V	57.06	---	4.07	61.13	---	88.2	68.2	-7.07
---	V	---	---	---	---	----	---	---	---

11ax(HE20) 6995MHz									
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBμV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
13990	H	56.23	---	4.71	60.94	---	88.2	68.2	-7.26
---	H	---	---	---	---	---	---	---	---
13990	V	56.57	---	4.71	61.28	---	88.2	68.2	-6.92
---	V	---	---	---	---	----	---	---	---

11ax(HE20) 7115MHz									
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBμV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
14230	H	56.69	---	5.03	61.72	---	88.2	68.2	-6.48
---	H	---	---	---	---	---	---	---	---
14230	V	57.85	---	5.03	62.88	---	88.2	68.2	-5.32
---	V	---	---	---	---	----	---	---	---

11ax(HE40) 6885MHz									
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBμV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
13770	H	55.13	---	4.02	59.15	---	88.2	68.2	-9.05
---	H	---	---	---	---	---	---	---	---
13770	V	56.54	---	4.02	60.56	---	88.2	68.2	-7.64
---	V	---	---	---	---	----	---	---	---

11ax(HE40) 6925MHz									
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBμV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
13850	H	54.26	---	4.25	58.51	---	88.2	68.2	-9.69
---	H	---	---	---	---	---	---	---	---
13850	V	54.99	---	4.25	59.24	---	88.2	68.2	-8.96
---	V	---	---	---	---	----	---	---	---

11ax(HE40) 7005MHz									
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBμV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
14010	H	53.51	---	4.75	58.26	---	88.2	68.2	-9.94
---	H	---	---	---	---	---	---	---	---
14010	V	54.74	---	4.75	59.49	---	88.2	68.2	-8.71
---	V	---	---	---	---	----	---	---	---

11ax(HE40) 7085MHz									
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBμV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
14170	H	55.23	---	4.95	60.18	---	88.2	68.2	-8.02
---	H	---	---	---	---	---	---	---	---
14170	V	55.69	---	4.95	60.64	---	88.2	68.2	-7.56
---	V	---	---	---	---	----	---	---	---

11ax(HE80) 6945MHz									
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBμV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
13890	H	56.74	---	4.39	61.13	---	88.2	68.2	-7.07
---	H	---	---	---	---	---	---	---	---
13890	V	55.95	---	4.39	60.34	---	88.2	68.2	-7.86
---	V	---	---	---	---	----	---	---	---

11ax(HE80) 7025MHz									
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBμV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
14050	H	54.98	---	4.82	59.80	---	88.2	68.2	-8.40
---	H	---	---	---	---	---	---	---	---
14050	V	55.84	---	4.82	60.66	---	88.2	68.2	-7.54
---	V	---	---	---	---	----	---	---	---

11ax(HE160) 6985MHz									
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBμV)	AV reading (dBμV)	Correction Factor (dB/m)	Emission Level		Peak limit (dBμV/m)	AV limit (dBμV/m)	Margin (dB)
					Peak (dBμV/m)	AV (dBμV/m)			
13970	H	56.15	---	4.64	60.79	---	88.2	68.2	-7.41
---	H	---	---	---	---	---	---	---	---
13970	V	56.02	---	4.64	60.66	---	88.2	68.2	-7.54
---	V	---	---	---	---	----	---	---	---

Note:

1. *Emission Level=Peak Reading + Correction Factor; Correction Factor= Antenna Factor + Cable loss – Pre-amplifier*
2. *Margin (dB) = Emission Level (Peak) (dBμV/m)-Average limit (dBμV/m)*
3. *The emission levels of other frequencies are very lower than the limit and not show in test report.*
4. *Measurements were conducted from 1 GHz to the 10th harmonic of highest fundamental frequency. The highest test frequency is 40GHz.*
5. *Data of measurement shown "---"in the above table mean that the reading of emissions is attenuated more than 20 dB below the limits or the field strength is too small to be measured.*

Appendix A: Test Result of Conducted Test

Antenna 3

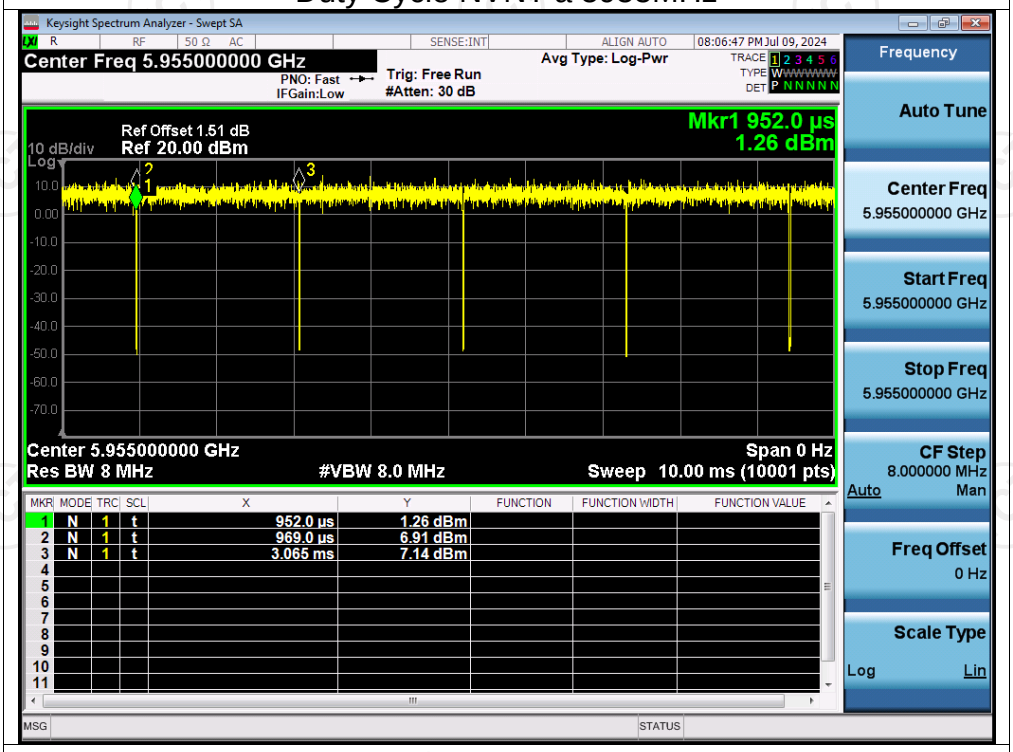
Duty Cycle

Condition	Mode	Frequency (MHz)	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5955	99.20	0	0.48
NVNT	a	6175	99.20	0	0.48
NVNT	a	6415	99.24	0	0.48
NVNT	ax20	5955	99.63	0	0.18
NVNT	ax20	6175	99.72	0	0.18
NVNT	ax20	6415	99.72	0	0.18
NVNT	ax40	5965	99.64	0	0.24
NVNT	ax40	6165	99.64	0	0.24
NVNT	ax40	6405	99.64	0	0.24
NVNT	ax80	5985	99.33	0	0.45
NVNT	ax80	6145	99.33	0	0.45
NVNT	ax80	6385	99.11	0	0.45
NVNT	ax160	6025	99.31	0	0.46
NVNT	ax160	6185	99.31	0	0.46
NVNT	ax160	6345	99.31	0	0.47
NVNT	a	6435	99.20	0	0.48
NVNT	a	6475	99.20	0	0.48
NVNT	a	6515	99.20	0	0.48
NVNT	ax20	6435	99.72	0	0.18
NVNT	ax20	6475	99.63	0	0.18
NVNT	ax20	6515	99.72	0	0.18
NVNT	ax40	6445	99.51	0	0.24
NVNT	ax40	6485	99.51	0	0.24
NVNT	ax40	6525	99.52	0	0.24
NVNT	ax80	6465	99.11	0	0.45
NVNT	ax80	6545	99.33	0	0.45
NVNT	ax160	6505	99.31	0	0.46
NVNT	a	6535	99.29	0	0.48
NVNT	a	6695	99.29	0	0.48
NVNT	a	6855	99.29	0	0.48
NVNT	a	6875	99.29	0	0.48
NVNT	ax20	6535	99.72	0	0.18
NVNT	ax20	6695	99.72	0	0.18
NVNT	ax20	6855	99.72	0	0.18
NVNT	ax20	6875	99.72	0	0.18
NVNT	ax40	6565	99.64	0	0.24
NVNT	ax40	6685	99.64	0	0.24
NVNT	ax40	6845	99.64	0	0.24
NVNT	ax80	6625	99.33	0	0.45
NVNT	ax80	6705	99.33	0	0.45
NVNT	ax80	6785	99.33	0	0.45

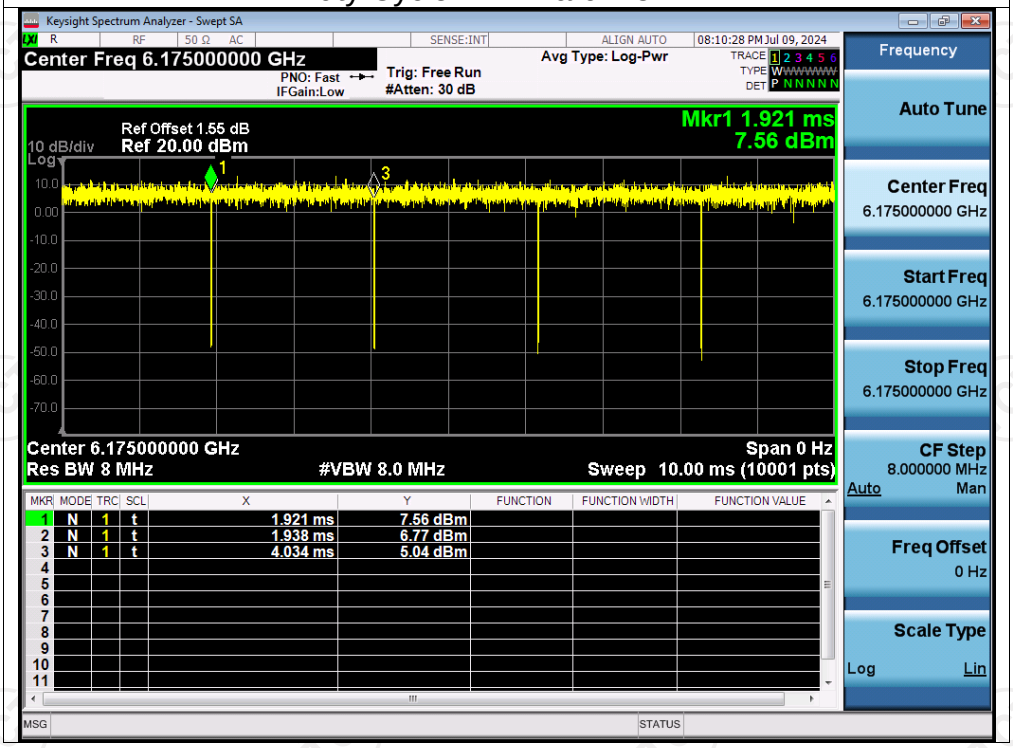
NVNT	ax80	6865	99.33	0	0.45
NVNT	ax160	6665	99.31	0	0.46
NVNT	ax160	6825	99.31	0	0.46
NVNT	a	6895	99.20	0	0.48
NVNT	a	6995	99.20	0	0.48
NVNT	a	7115	99.20	0	0.48
NVNT	ax20	6895	99.63	0	0.18
NVNT	ax20	6995	99.72	0	0.18
NVNT	ax20	7115	99.72	0	0.18
NVNT	ax40	6885	99.52	0	0.24
NVNT	ax40	6925	99.51	0	0.24
NVNT	ax40	7005	99.64	0	0.24
NVNT	ax40	7085	99.64	0	0.24
NVNT	ax80	6945	99.11	0	0.45
NVNT	ax80	7025	99.33	0	0.45
NVNT	ax160	6985	99.31	0	0.46

Test Graphs

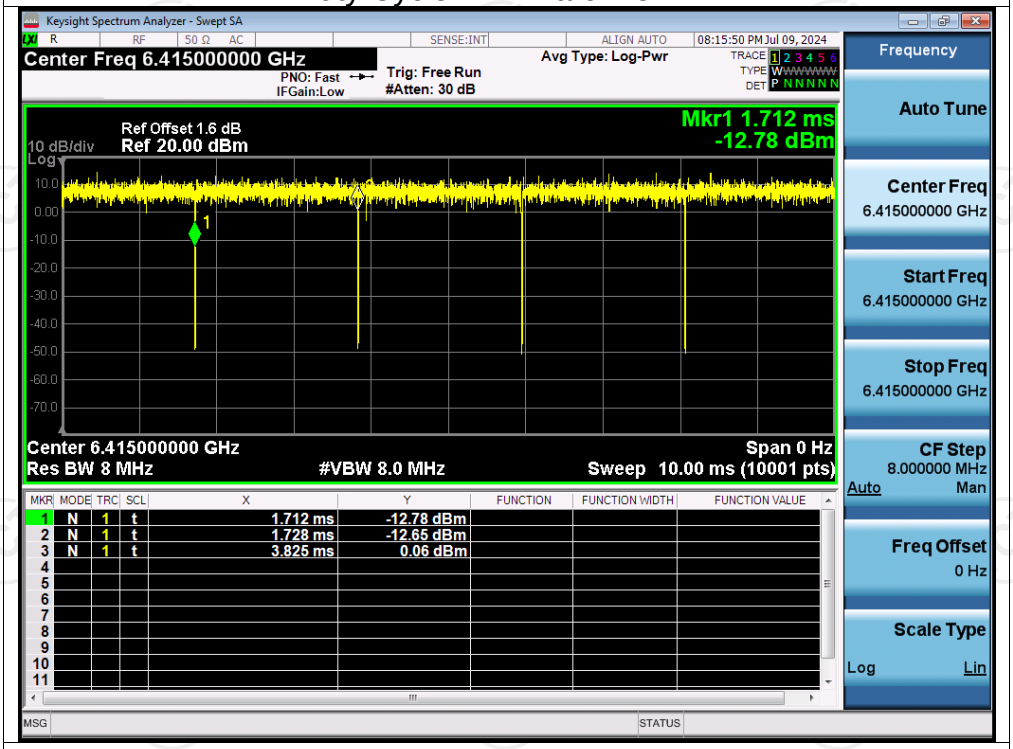
Duty Cycle NVNT a 5955MHz



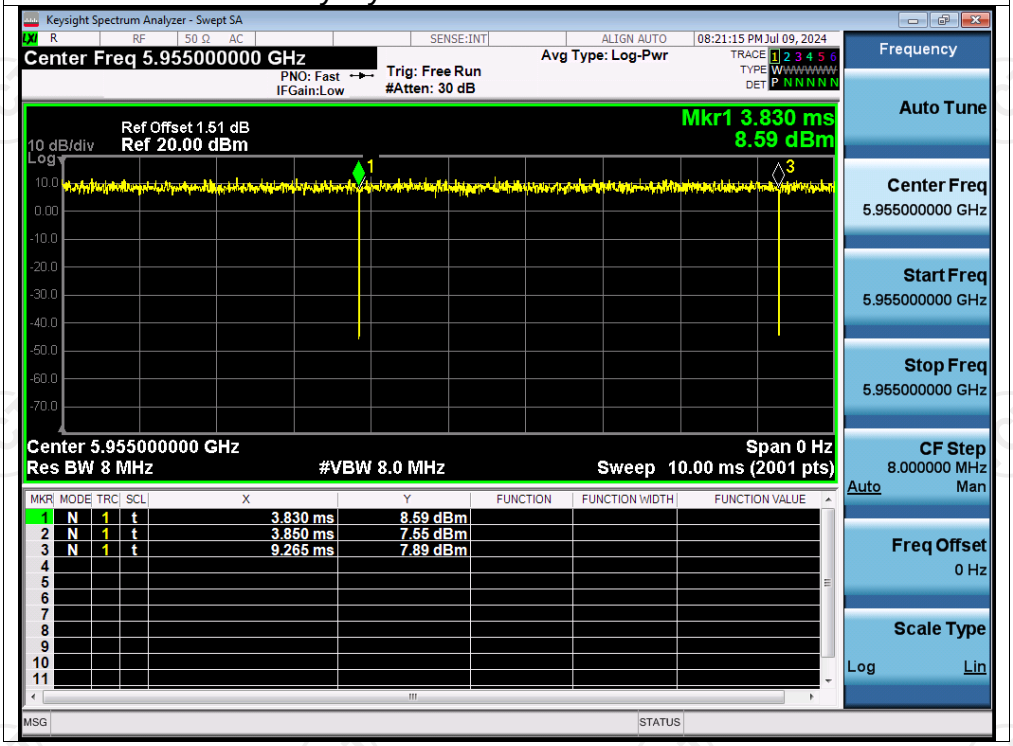
Duty Cycle NVNT a 6175MHz



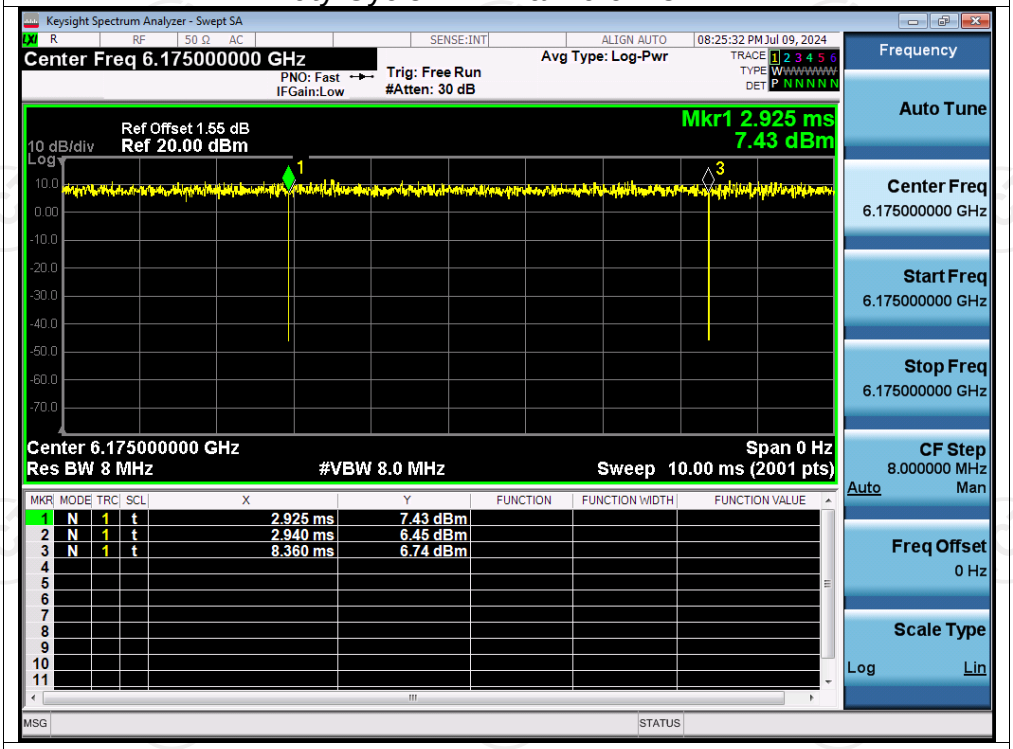
Duty Cycle NVNT a 6415MHz



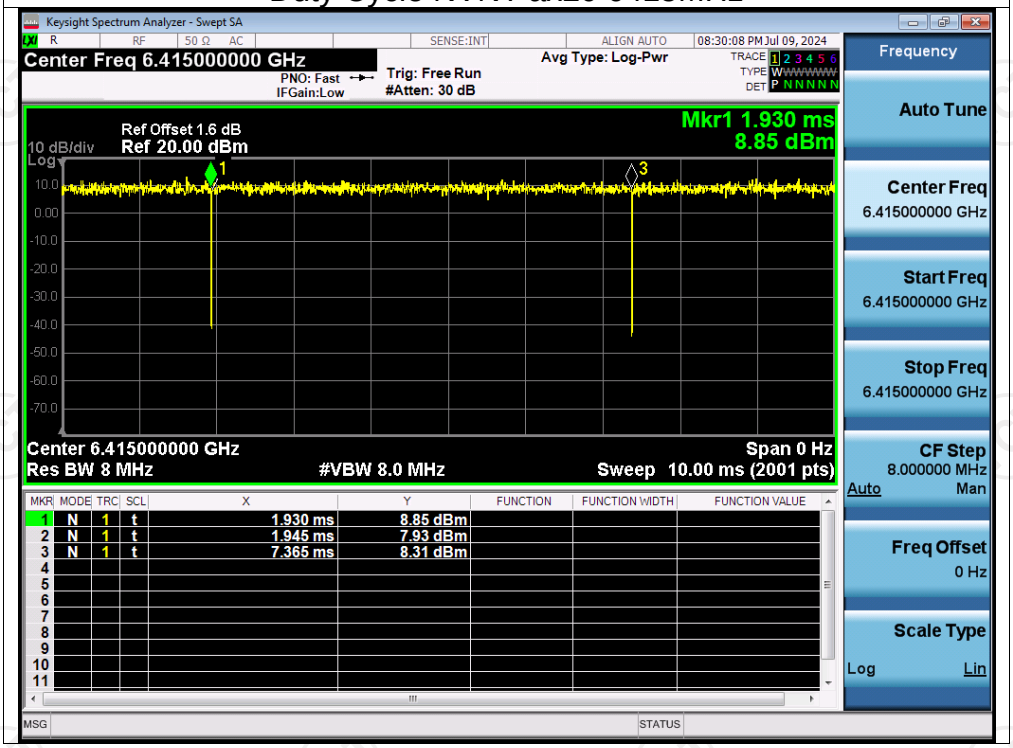
Duty Cycle NVNT ax20 5955MHz



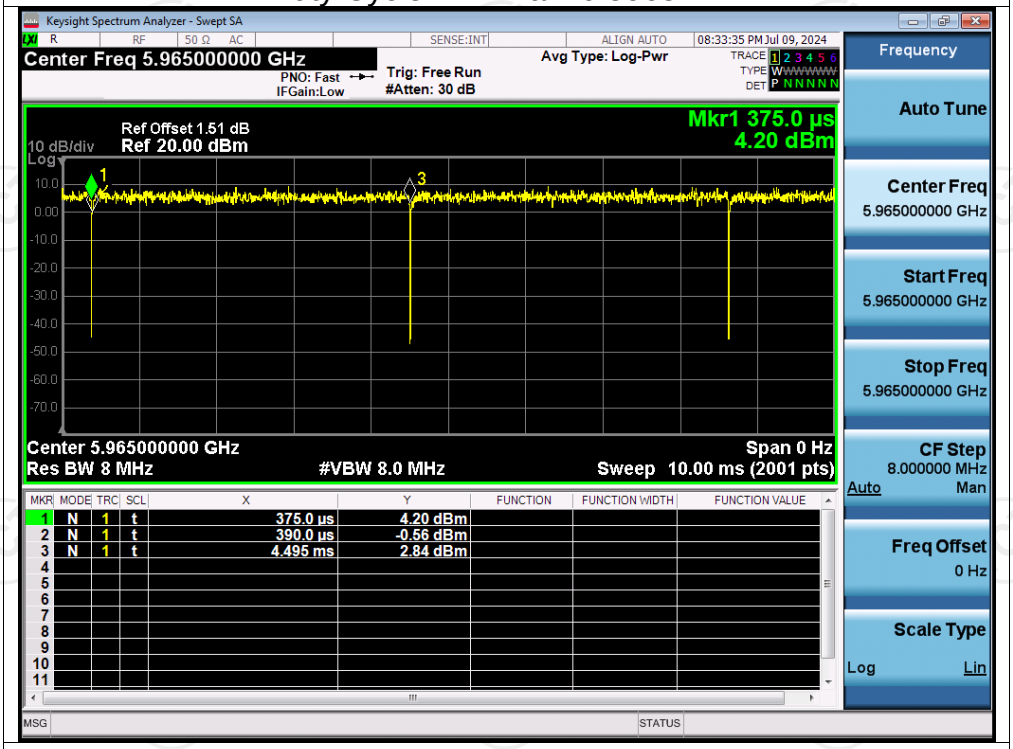
Duty Cycle NVNT ax20 6175MHz



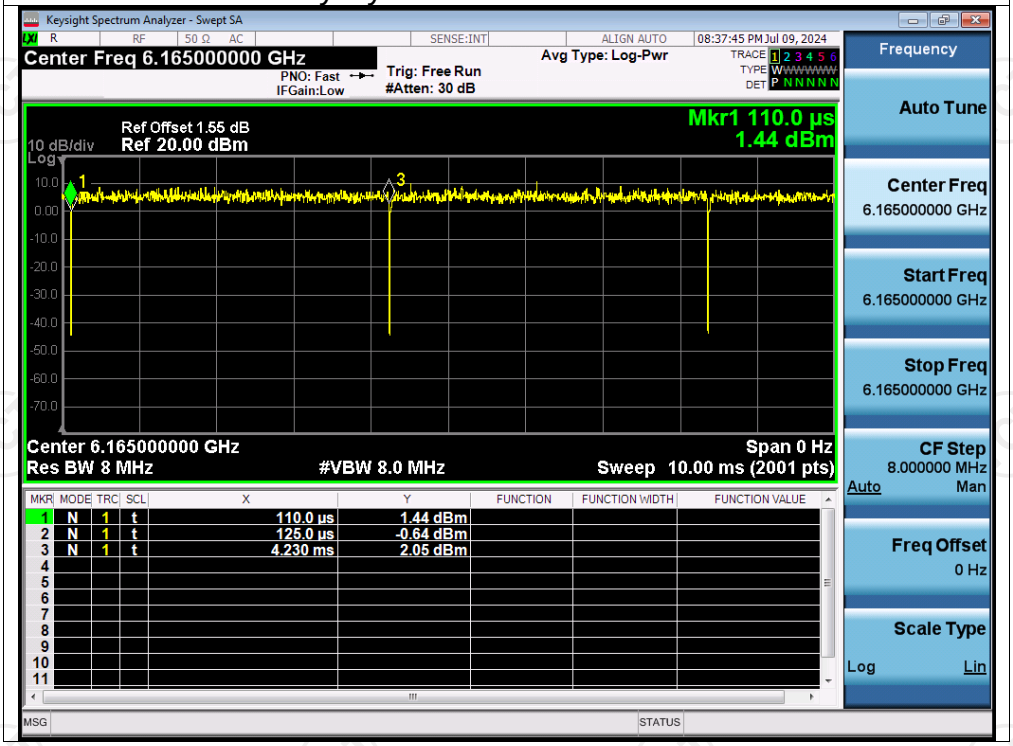
Duty Cycle NVNT ax20 6415MHz



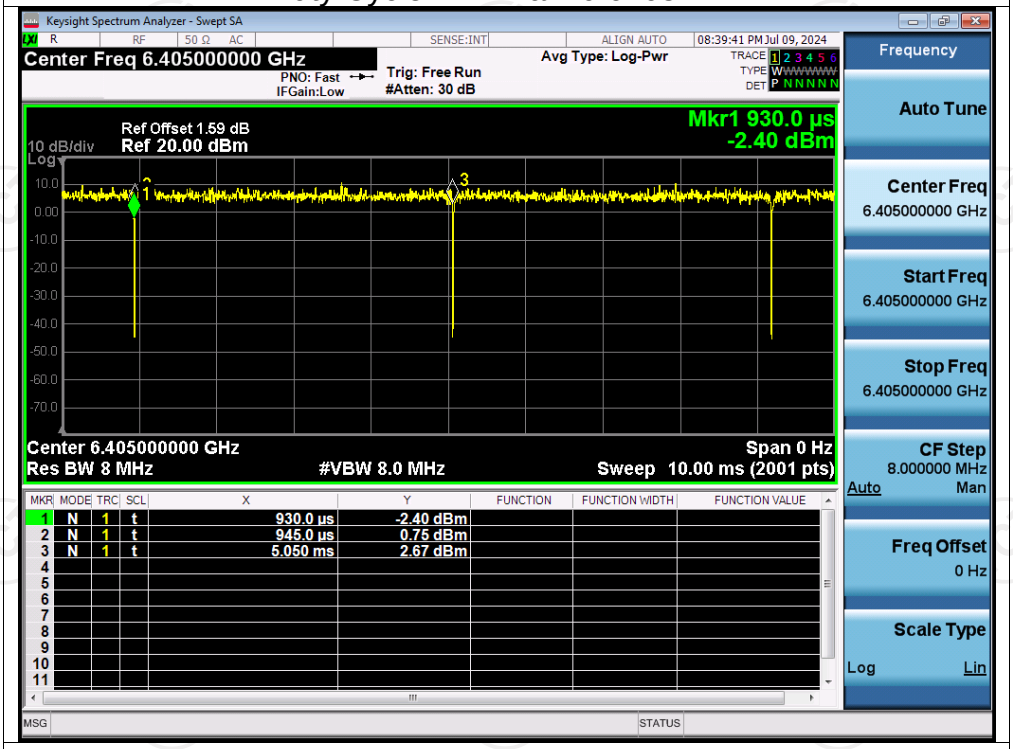
Duty Cycle NVNT ax40 5965MHz



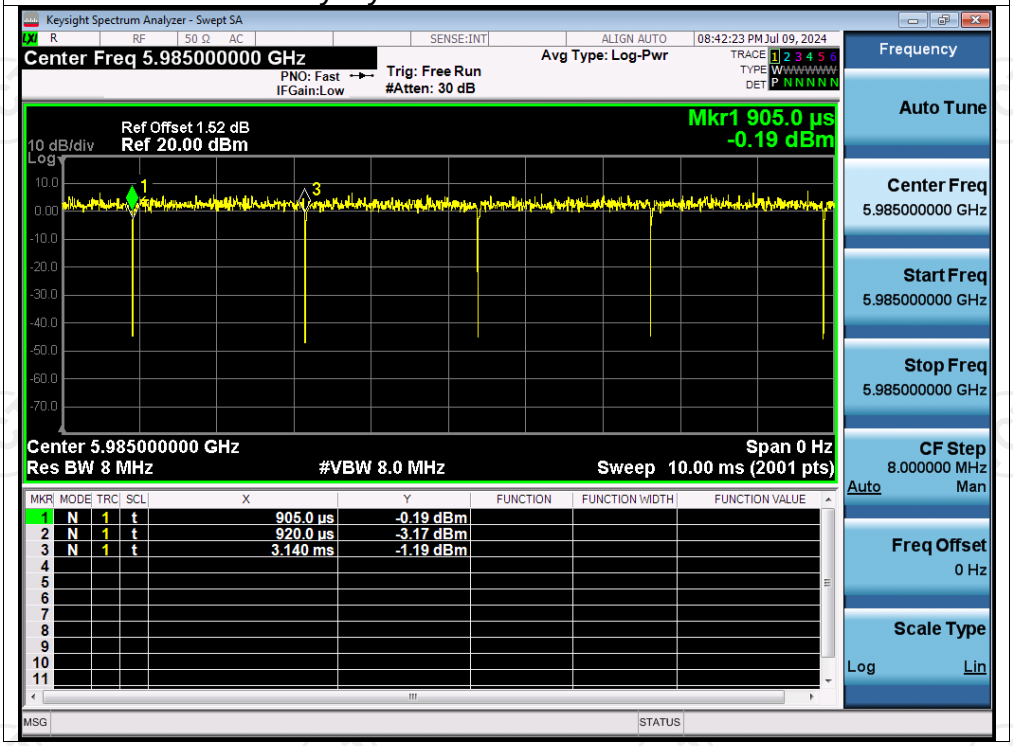
Duty Cycle NVNT ax40 6165MHz



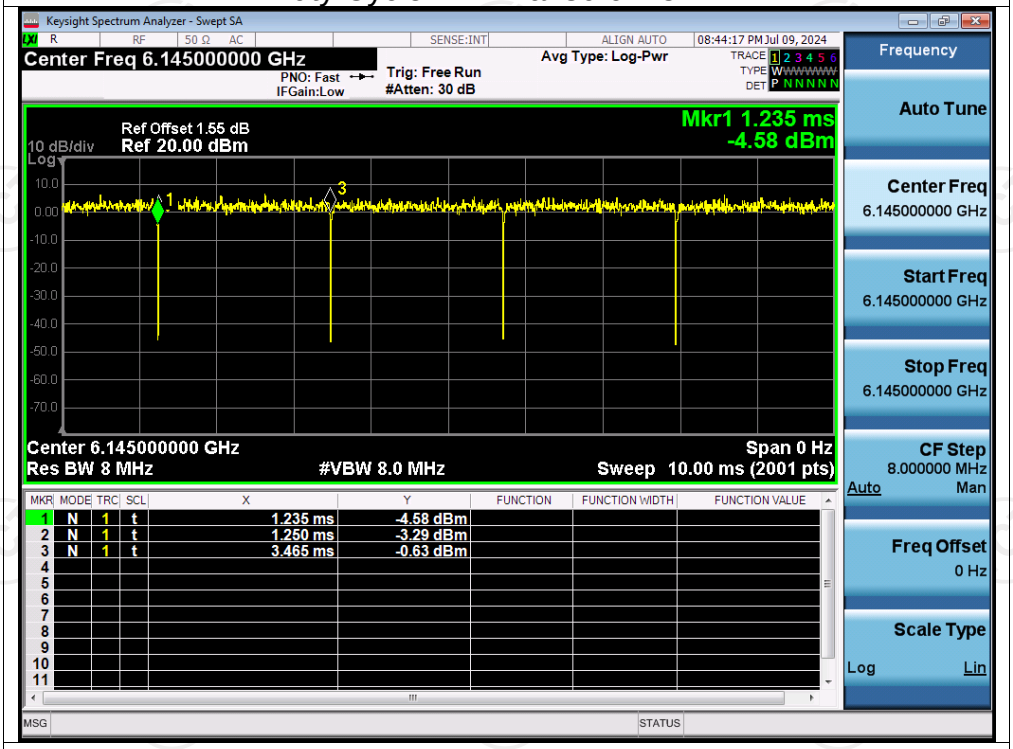
Duty Cycle NVNT ax40 6405MHz



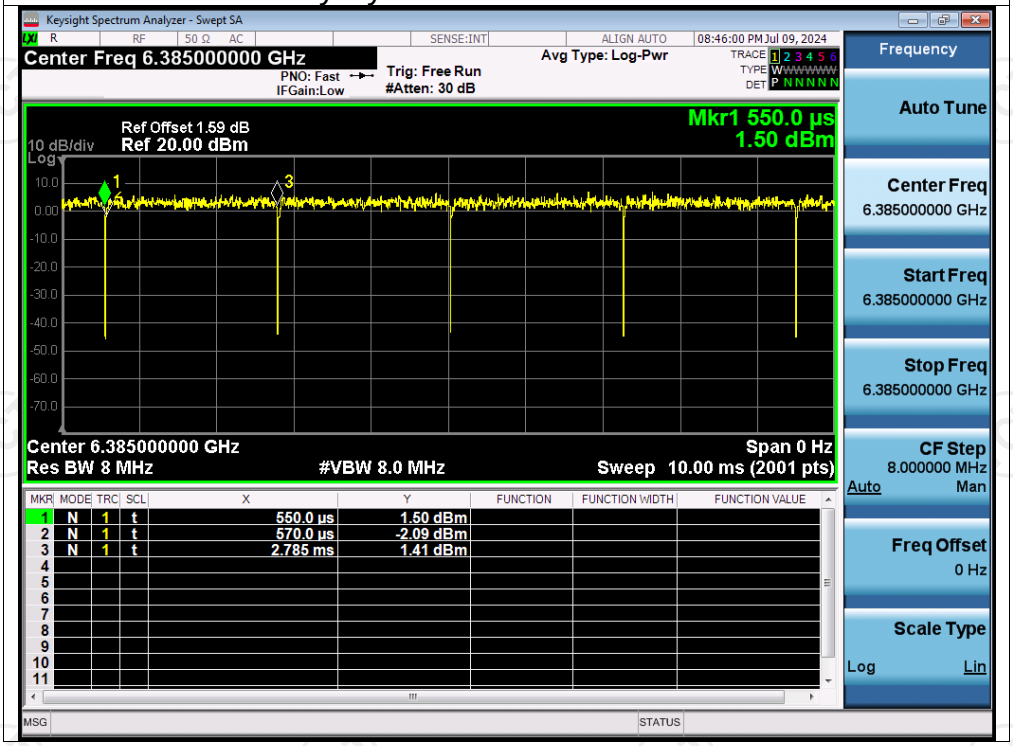
Duty Cycle NVNT ax80 5985MHz



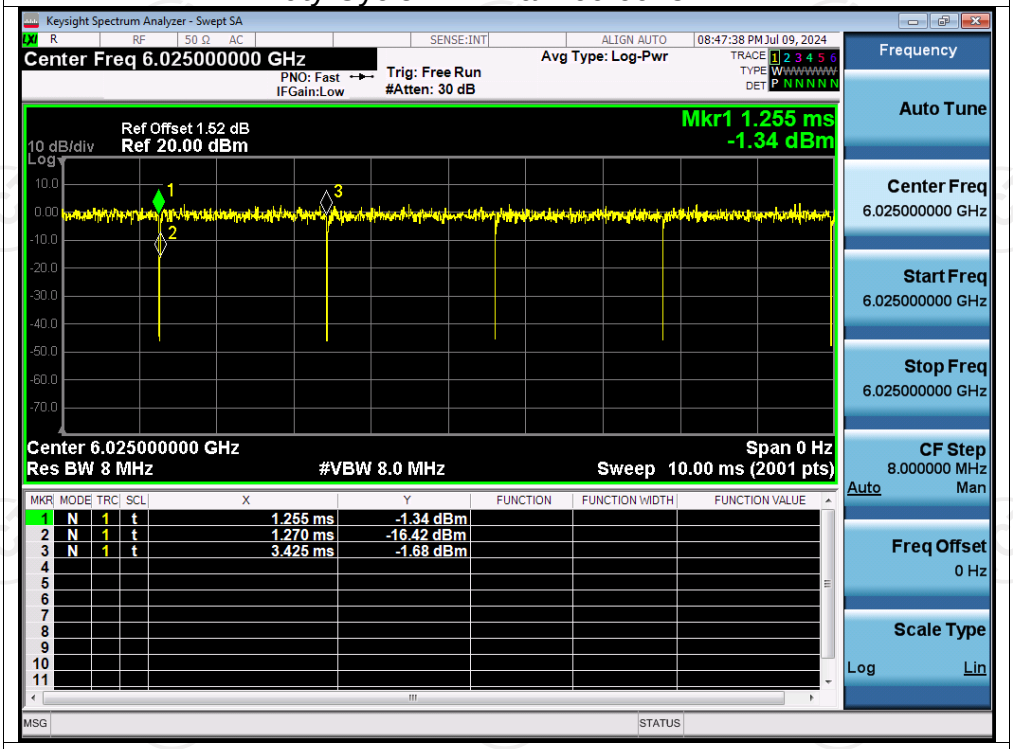
Duty Cycle NVNT ax80 6145MHz



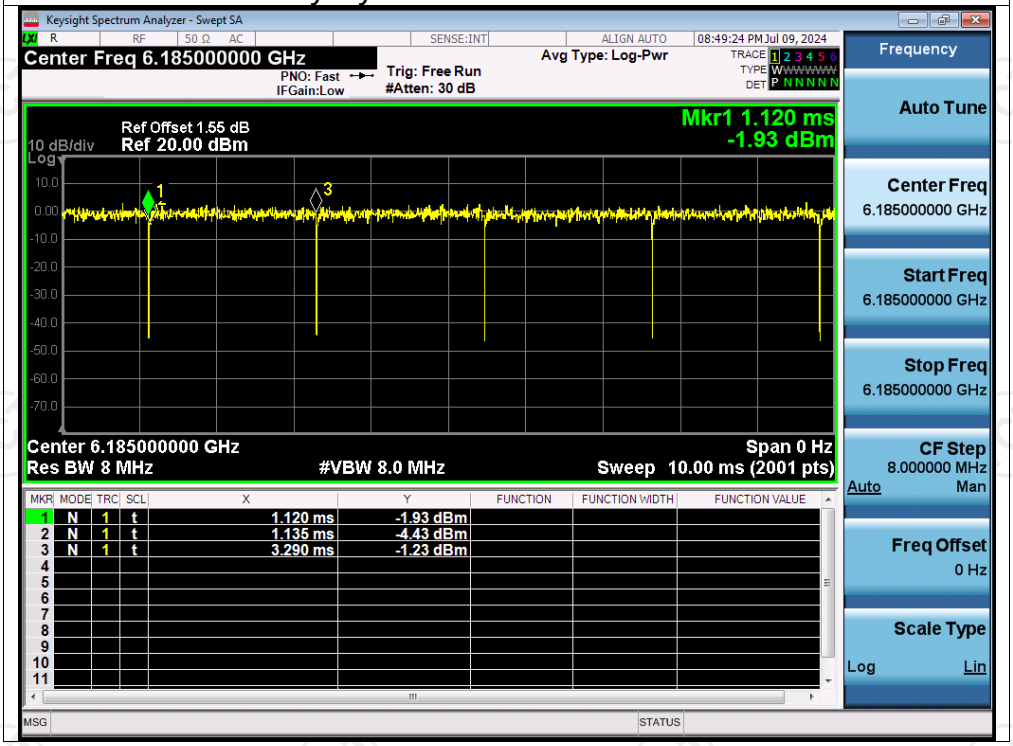
Duty Cycle NVNT ax80 6385MHz



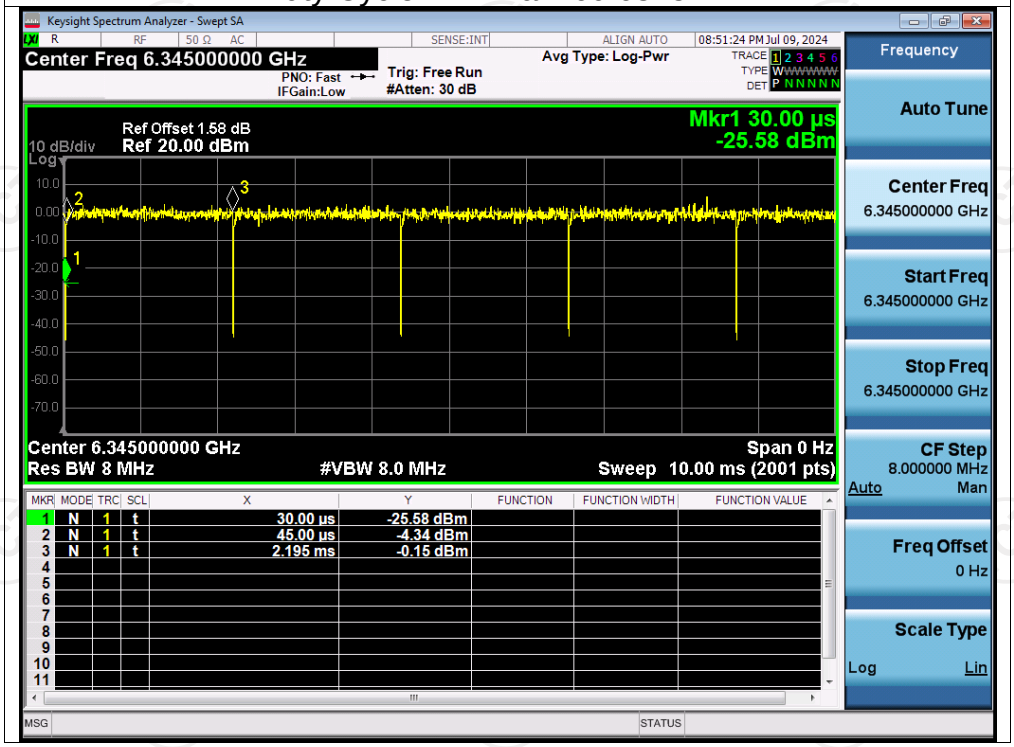
Duty Cycle NVNT ax160 6025MHz



Duty Cycle NVNT ax160 6185MHz

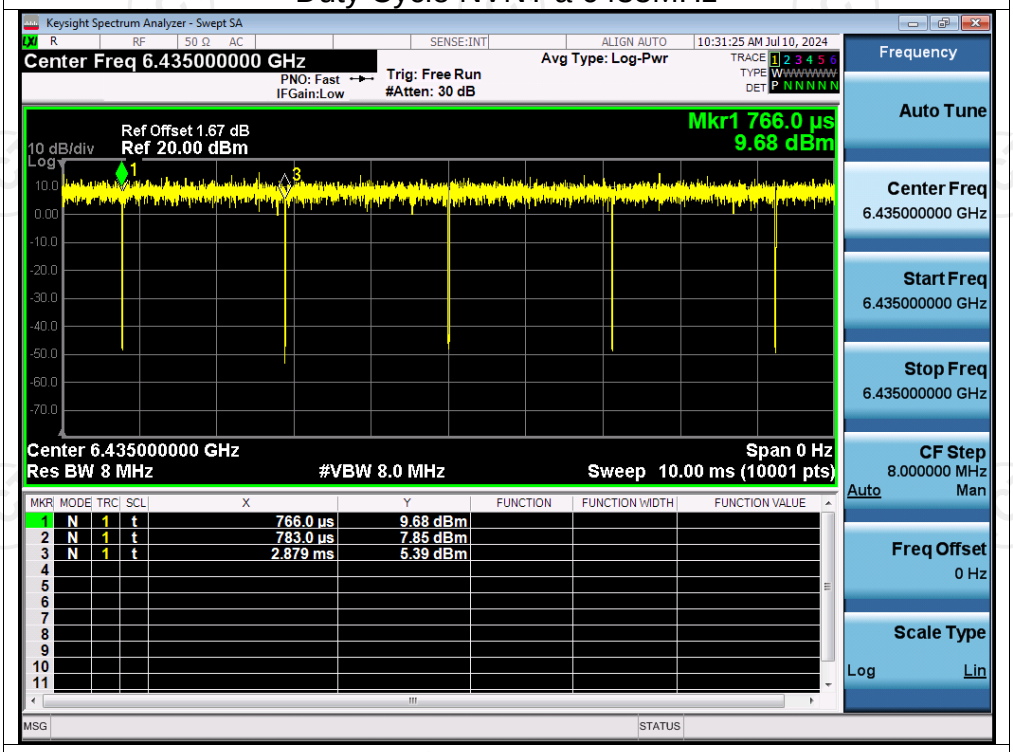


Duty Cycle NVNT ax160 6345MHz

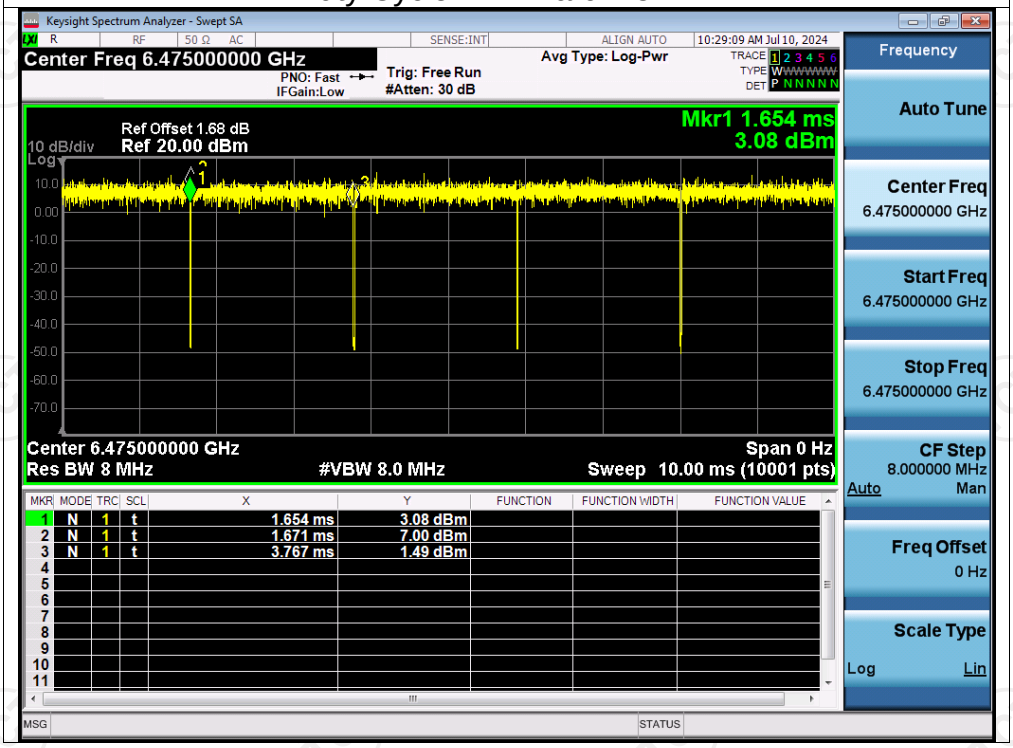


Test Graphs

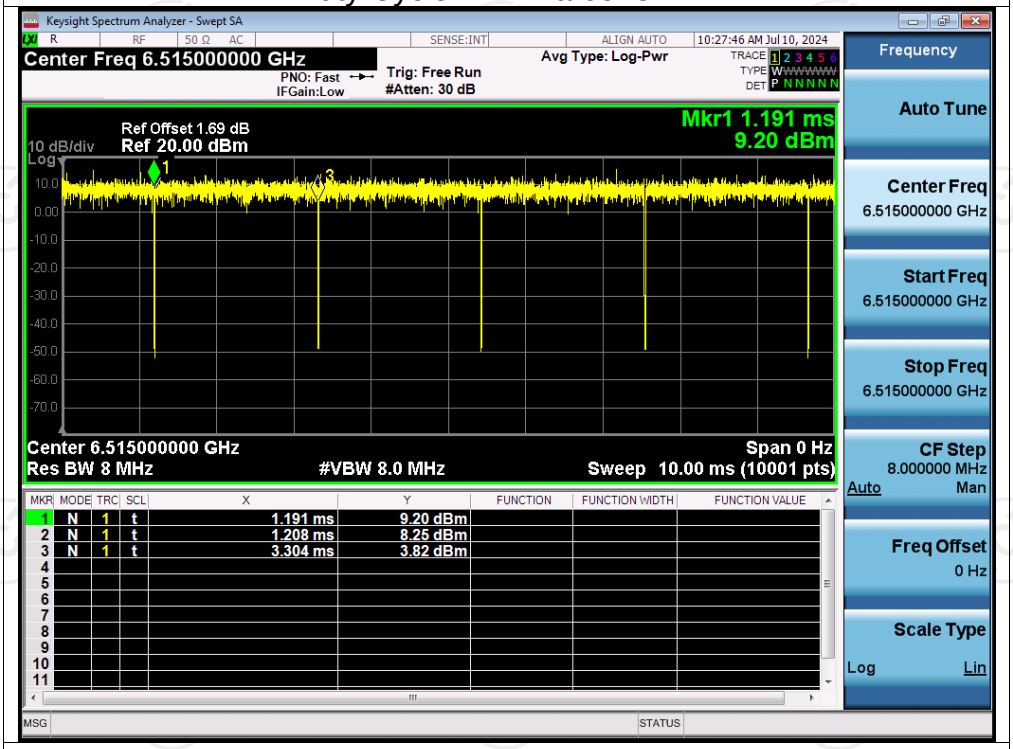
Duty Cycle NVNT a 6435MHz



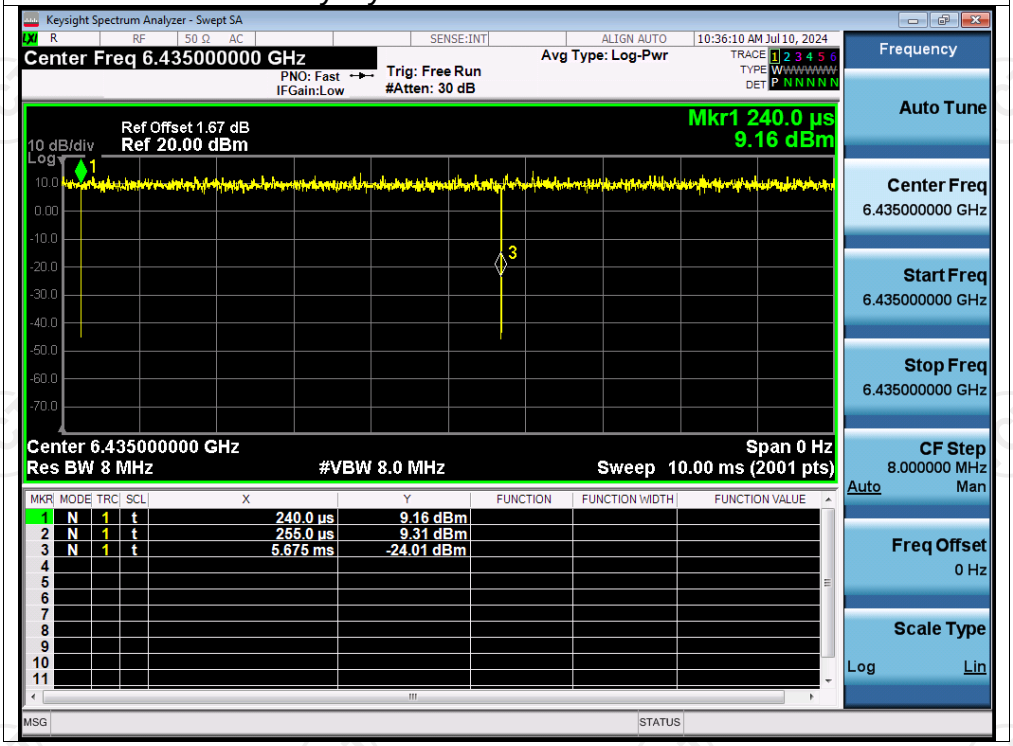
Duty Cycle NVNT a 6475MHz



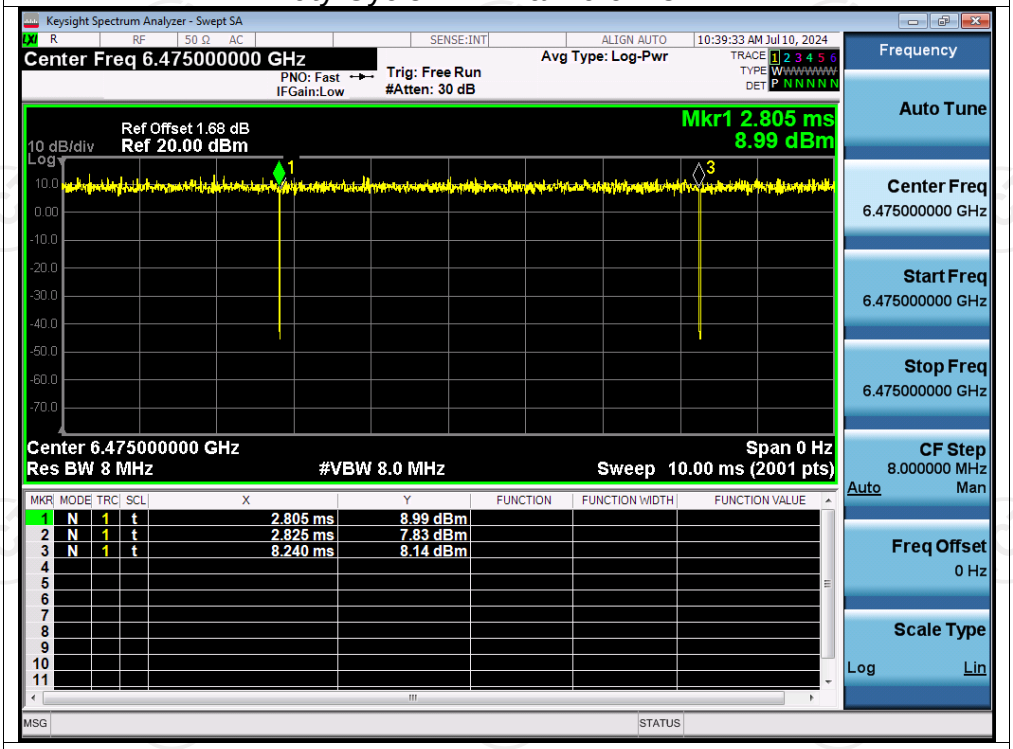
Duty Cycle NVNT a 6515MHz



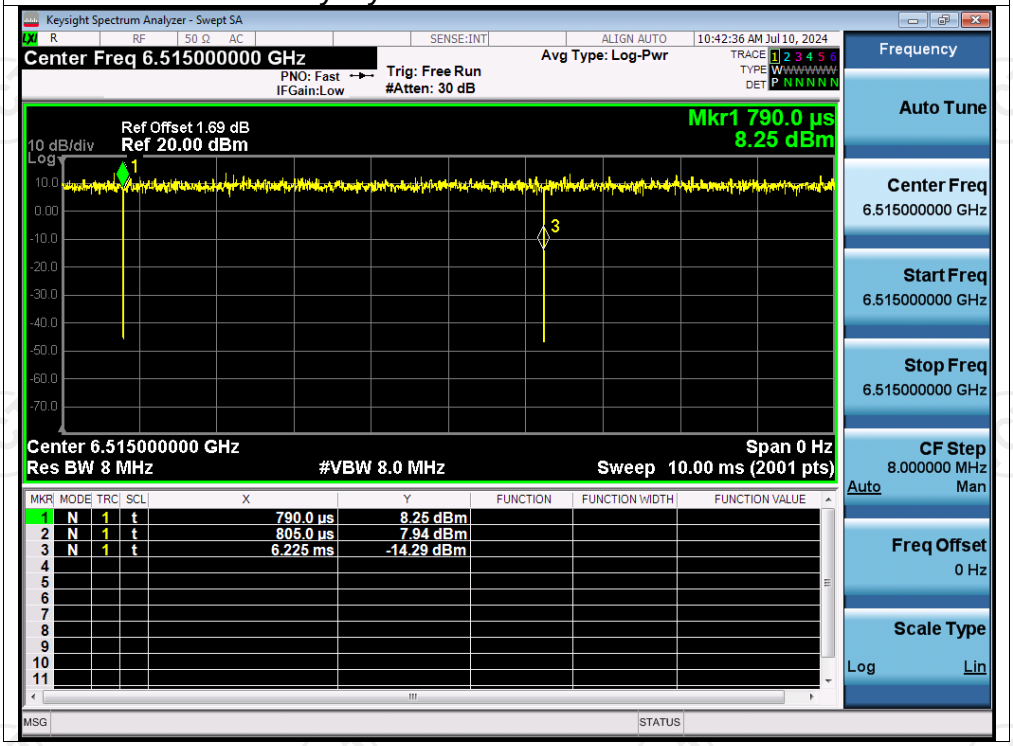
Duty Cycle NVNT ax20 6435MHz



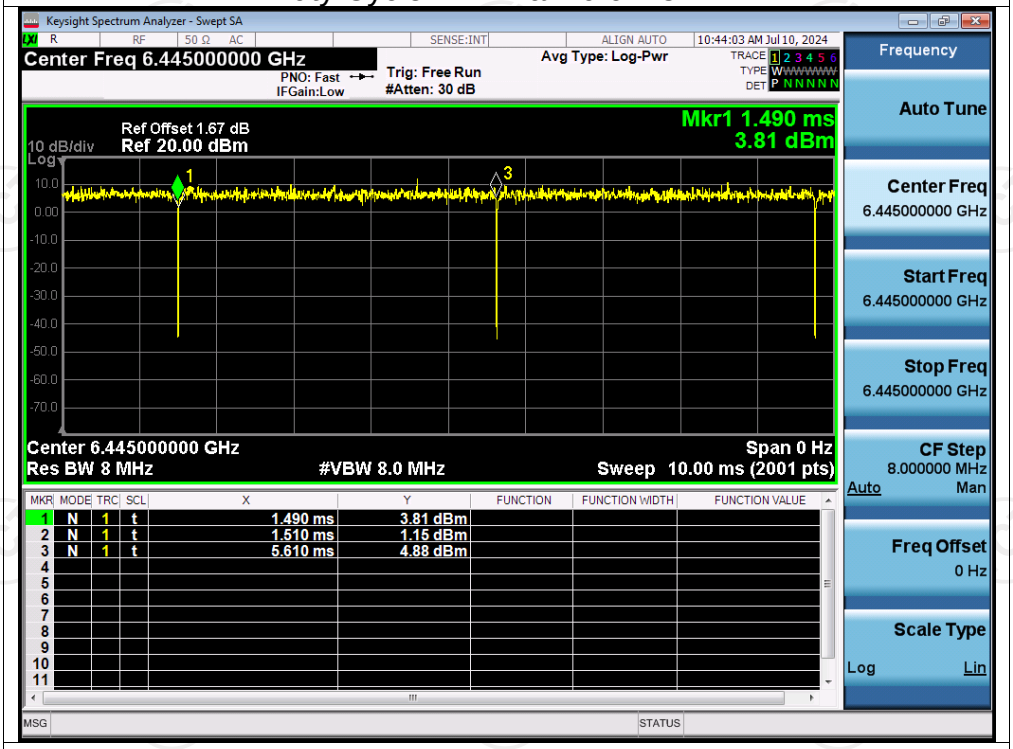
Duty Cycle NVNT ax20 6475MHz



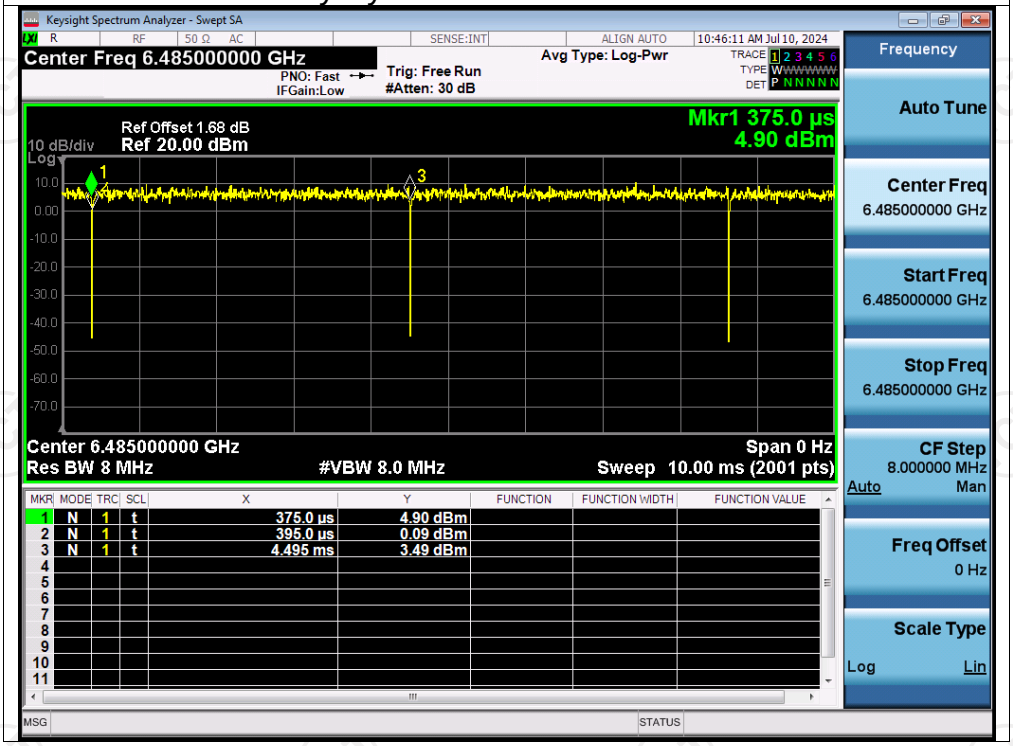
Duty Cycle NVNT ax20 6515MHz



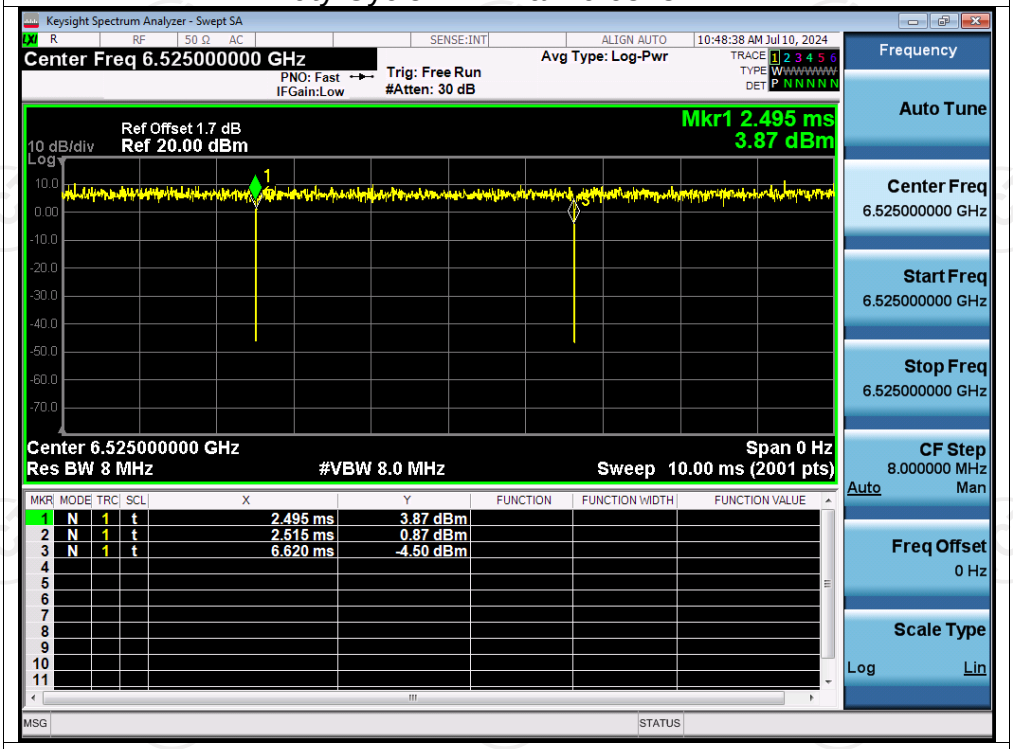
Duty Cycle NVNT ax40 6445MHz



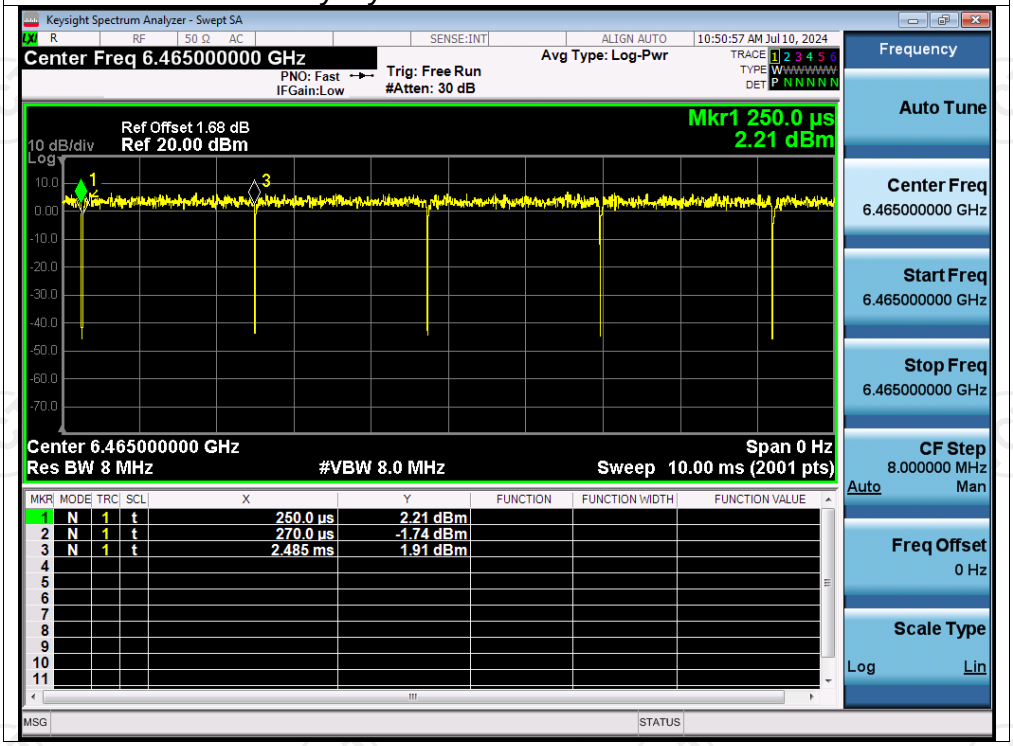
Duty Cycle NVNT ax40 6485MHz



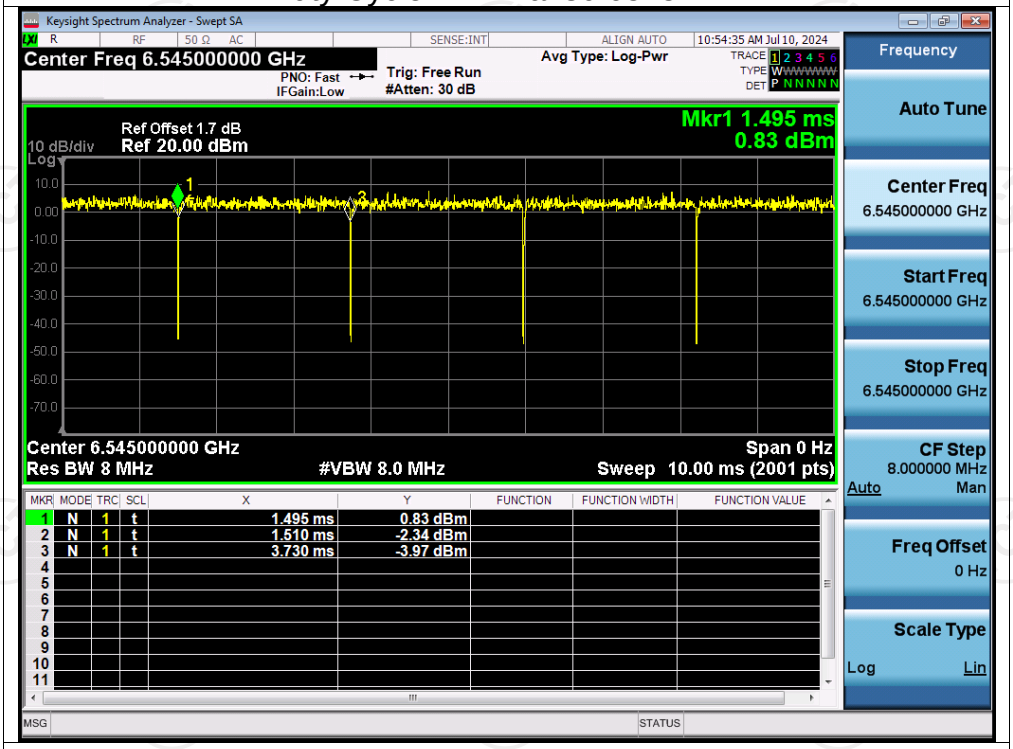
Duty Cycle NVNT ax40 6525MHz



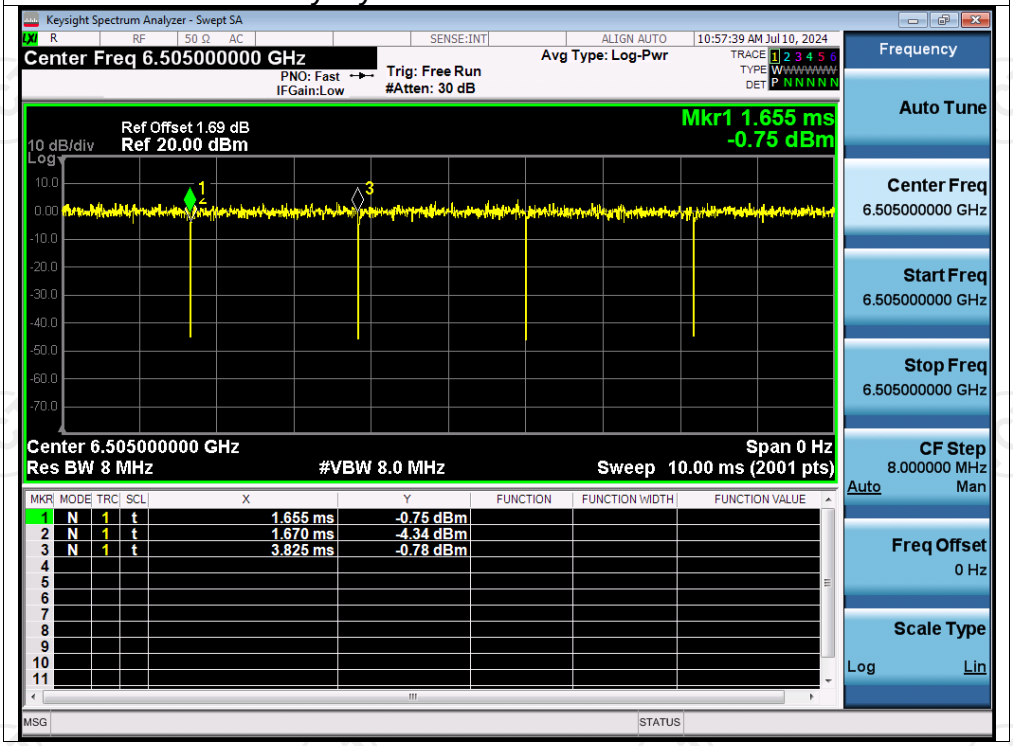
Duty Cycle NVNT ax80 6465MHz



Duty Cycle NVNT ax80 6545MHz

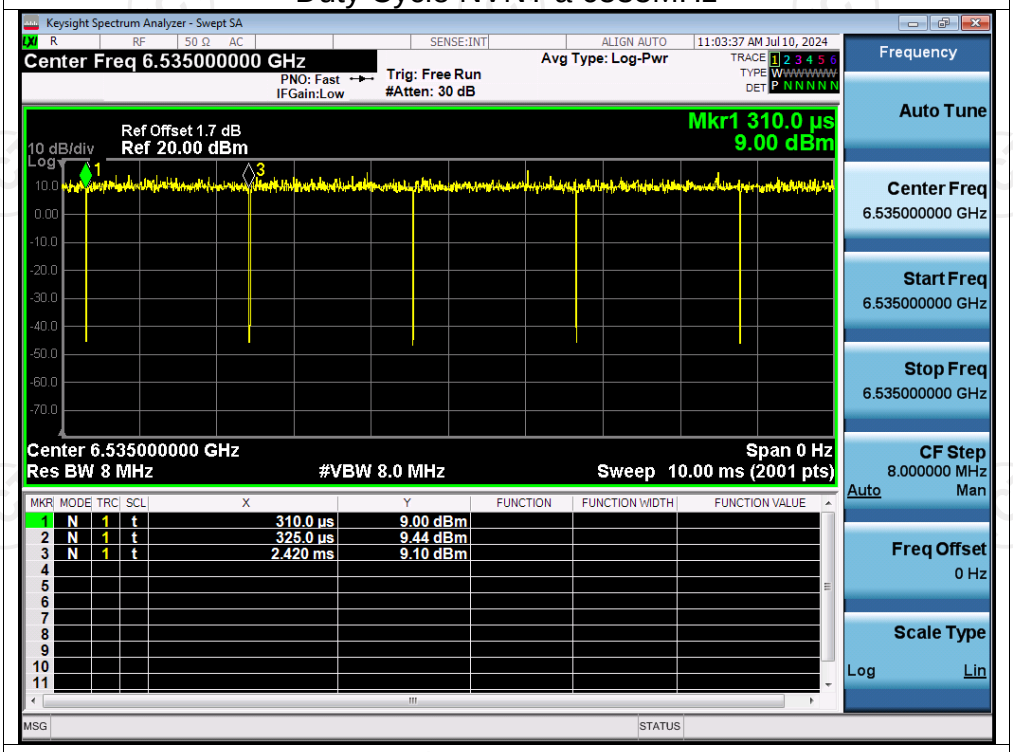


Duty Cycle NVNT ax160 6505MHz



Test Graphs

Duty Cycle NVNT a 6535MHz



Duty Cycle NVNT a 6695MHz