

	TEST REPOR	T		
FCC ID::	2AI62-H8			
Test Report No::	TCT241015E041			
Date of issue::	Nov. 13, 2024			
Testing laboratory:	SHENZHEN TONGCE TESTING	G 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::	SOTEN TECHNOLOGY (HONG	KONG) CO., LIMITED		
Address:	FLAT/RM A10 9/F SILVERCOR 707-713 NATHAN ROAD MONO			
Manufacturer's name:	Shenzhen SOTEN Technology (Co., Ltd.		
Address::	10th Floor, 2nd Building, BaiWal building, No. 5308 Shahe west r ShenZhen, China	oad, Xili, Nanshan district,		
Standard(s):	KDB 662911 D01 Multiple Trans	FCC CFR Title 47 Part 15 Subpart E Section 15.407 KDB 662911 D01 Multiple Transmitter Output v02r01 KDB 789033 D02 General U-NII Test Procedures New Rules		
Product Name::	RUGGED TABLET			
Trade Mark:	HUGEROCK			
Model/Type reference:	H8, L8, L8H, C8, T8			
Rating(s):	Adapter Information: MODEL: W12-010N3A INPUT: AC 100-240V, 50/60Hz, OUTPUT: DC 5V, 2A Rechargeable Li-ion Battery DC			
Date of receipt of test item	Oct. 15, 2024			
Date (s) of performance of test:	Oct. 15, 2024 ~ Nov. 13, 2024			
Tested by (+signature):	Rleo LIU	Pres Williamsce		
Check by (+signature):	Beryl ZHAO	Boyl 7 TCT)		
Approved by (+signature):	Tomsin	Tomsies &		

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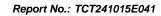




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TESTING CENTRE TECHNOLOGY Report No.: TCT241015E041

1. General Product Information

1.1. EUT description

Product Name:	RUGGED TABLET		
Model/Type reference:	H8		
Sample Number:	TCT241015E015-0101		
Operation Frequency:	Band 1: 5180 MHz ~ 5240 MHz Band 3: 5745 MHz ~ 5825 MHz		
Channel Bandwidth::	802.11a: 20MHz 802.11n: 20MHz, 40MHz 802.11ac: 20MHz, 40MHz, 80MHz		
Modulation Technology:	Orthogonal Frequency Division Multiplexing(OFDM)		
Modulation Type:	256QAM, 64QAM, 16QAM, BPSK, QPSK		
Antenna Type:	PIFA Antenna		
Antenna Gain:	Band 1: 1.68dBi Band 3: 0.11dBi		
Rating(s)::	Adapter Information: MODEL: W12-010N3A INPUT: AC 100-240V, 50/60Hz, 0.3A OUTPUT: DC 5V, 2A Rechargeable Li-ion Battery DC 3.7V		

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	H8 (A)	
Other models	L8, L8H, C8, T8	

Note: H8 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 H8 can represent the remaining models.

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1.3. Test Frequency

Band 1

20MHz		40MHz		80	MHz
Channel	Frequency	Channel	Frequency	Channel	Frequency
36	5180	38	5190	42	5210
40	5200	46	5230		
48	5240	<u> </u>			

Band 3

20MHz		40MHz		80	MHz
Channel	Frequency	Channel	Frequency	Channel	Frequency
149	5745	151	5755	155	5775
157	5785	159	5795		
165	5825				

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:



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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
6dB Emission Bandwidth	§15.407(a)	PASS
26dB Emission Bandwidth& 99% Occupied Bandwidth	§15.407(a)	PASS
Power Spectral Density	§15.407(a)	PASS
Restricted Bands around fundamental frequency	§15.407(b)	PASS
Radiated Emission	§15.407(b)	PASS
Frequency Stability	§15.407(g)	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.
- 5. For the band 5.15-5.25GHz, EUT meet the requirements of 15.407(a)(ii).

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3. General Information

3.1. Test environment and mode

Operating Environment:				
Condition	Conducted Emission	Radiated Emission		
Temperature:	24.3 °C	25.3 °C		
Humidity:	54 % RH	55 % RH		
Atmospheric Pressure:	1010 mbar	1010 mbar		
Test Software:				
Software Information:	Engineering mode			
Power Level:	Band 1: Default Band 3: 25	(C)		
Test Mode:				
Engineer 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	6 Mbps	
802.11n(HT20)	6.5 Mbps	
802.11n(HT40)	13.5 Mbps	
802.11ac(VHT20)	6.5 Mbps	(C
802.11ac(VHT40)	13.5 Mbps	
802.11ac(VHT80)	29.3 Mbps	



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
1(0)	1 (6)) /	<u>(i)</u> /	(0)1

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.



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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 $y \pm U$, 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

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5. Test Results and Measurement Data

5.1. Antenna requirement

Standard requirement:

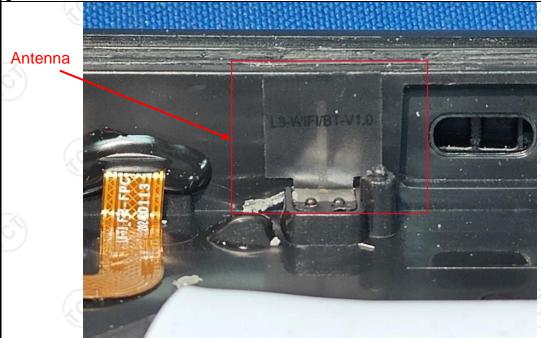
FCC Part15 C Section 15.203 /247(c)

15.203 requirement:

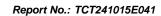
An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit 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 WIFI antenna is PIFA antenna which permanently attached, and the best case gain of the antenna is 1.68dBi of Band 1.



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5.2. Conducted Emission

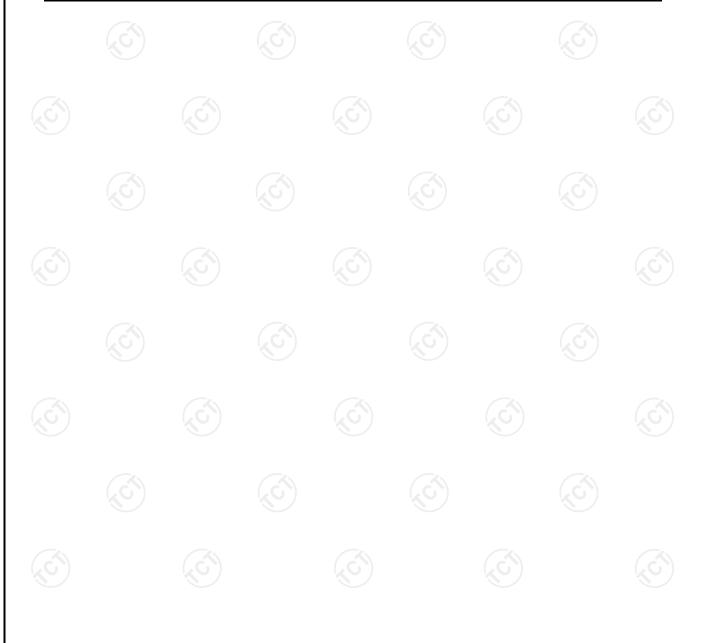
5.2.1. Test Specification

Test Requirement:	FCC Part15 C Section	15.207	60
Test Method:	ANSI C63.10:2020		
Frequency Range:	150 kHz to 30 MHz	C ⁽¹⁾	
Receiver setup:	RBW=9 kHz, VBW=30	kHz, Sweep time	=auto
Limits:	Frequency range (MHz) 0.15-0.5 0.5-5 5-30	Limit (Quasi-peak 66 to 56* 56 60	dBuV) Average 56 to 46* 46 50
	Reference	Plane	1201
Test Setup:	AC power Test table/Insulation plane Remark: E.U.T. Equipment Under Test LISN: Line Impedence Stabilization Network Test table height=0.8m		
Test Mode:	Charging + Transmittin	g Mode	
Test Procedure:	 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. 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). 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 C63.10:2020 on conducted measurement. 		
Test Result:	PASS		



5.2.2. Test Instruments

Conducted Emission Shielding Room Test Site (843)							
Equipment Manufacturer Model Serial Number Calibration D							
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	1			



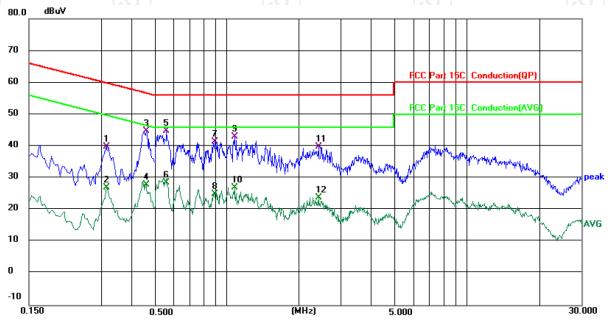


5.2.3. Test data

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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: 24.3 (°C)

Humidity: 54 %

Limit: FCC Part 15C Conduction(QP)

Power: AC 120 V/60 Hz

No. Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
	MHz	dBu∨	dB	dBu∨	dBu∀	dB	Detector	Comment
1	0.3140	30.10	9.66	39.76	59.86	-20.10	QP	
2	0.3140	17.34	9.66	27.00	49.86	-22.86	AVG	
3	0.4620	34.76	10.12	44.88	56.66	-11.78	QP	
4	0.4620	17.81	10.12	27.93	46.66	-18.73	AVG	
5 *	0.5620	34.56	10.24	44.80	56.00	-11.20	QP	
6	0.5620	18.41	10.24	28.65	46.00	-17.35	AVG	
7	0.8900	30.82	10.62	41.44	56.00	-14.56	QP	
8	0.8900	14.47	10.62	25.09	46.00	-20.91	AVG	
9	1.0820	32.12	10.83	42.95	56.00	-13.05	QP	
10	1.0820	16.24	10.83	27.07	46.00	-18.93	AVG	
11	2.4140	30.01	9.90	39.91	56.00	-16.09	QP	
12	2.4140	13.89	9.90	23.79	46.00	-22.21	AVG	

Note:

Freq. = Emission frequency in MHz

Reading level $(dB\mu V)$ = Receiver reading

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

Measurement $(dB\mu V)$ = Reading level $(dB\mu V)$ + Corr. Factor (dB)

 $Limit (dB\mu V) = Limit stated in standard$

 $Margin (dB) = Measurement (dB\mu V) - Limits (dB\mu V)$

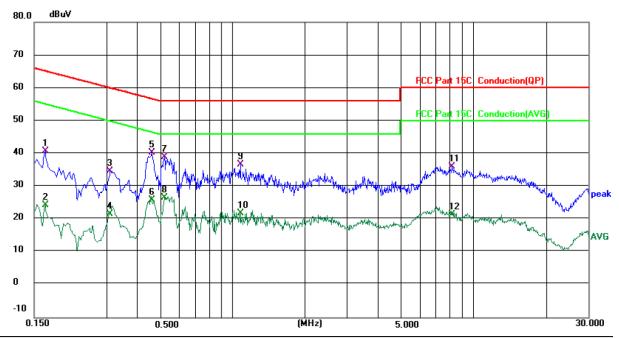
Q.P. =Quasi-Peak

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: 24.3 (°C)

Humidity: 54 %

Limit: FCC Part 15C Conduction(QP)

Power: AC 120 V/60 Hz

No. I	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBu∀	dB	dBu∀	dBu∀	dB	Detector	Comment
1		0.1660	31.10	9.64	40.74	65.16	-24.42	QP	
2		0.1660	14.69	9.64	24.33	55.16	-30.83	AVG	
3		0.3100	25.12	9.64	34.76	59.97	-25.21	QP	
4		0.3100	12.06	9.64	21.70	49.97	-28.27	AVG	
5	*	0.4620	30.24	10.10	40.34	56.66	-16.32	QP	
6		0.4620	15.69	10.10	25.79	46.66	-20.87	AVG	
7		0.5220	28.81	10.17	38.98	56.00	-17.02	QP	
8		0.5220	16.45	10.17	26.62	46.00	-19.38	AVG	
9		1.0780	27.05	9.71	36.76	56.00	-19.24	QP	
10		1.0780	12.16	9.71	21.87	46.00	-24.13	AVG	
11		8.1899	25.82	10.26	36.08	60.00	-23.92	QP	
12		8.1899	11.05	10.26	21.31	50.00	-28.69	AVG	

Note:

Freq. = Emission frequency in MHz

Reading level $(dB\mu V)$ = Receiver reading

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

Measurement $(dB\mu V)$ = Reading level $(dB\mu V)$ + Corr. Factor (dB)

 $Limit (dB\mu V) = Limit stated in standard$

 $Margin (dB) = Measurement (dB\mu V) - Limits (dB\mu V)$

Q.P. =Quasi-Peak

AVG =average

Measurements were conducted in all three channels (high, middle, low) and all modulation (802.11a, 802.11n(HT20), 802.11n(HT40), 802.11ac(VHT20), 802.11ac(VHT40), 802.11ac(VHT80)) and the worst case Mode (Lowest channel and 802.11ac(VHT40)) was submitted only.

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





5.3. Maximum Conducted Output Power

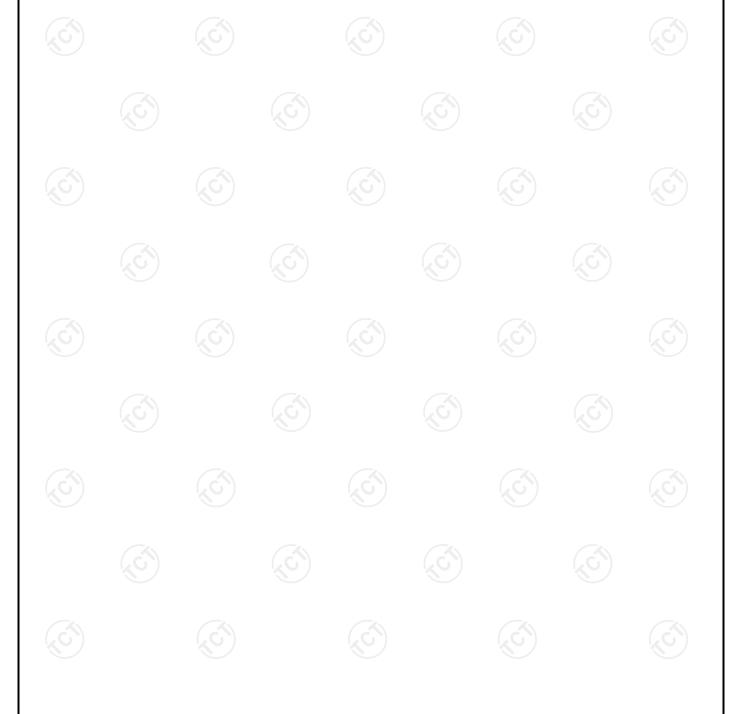
5.3.1. Test Specification

Test Requirement:	FCC Part15 E Section 2.1046	on 15.407(a)& Part 2 J Section				
Test Method:		ultiple Transmitter Output v02r01 eneral UNII Test Procedures New n E				
	Frequency Band (MHz)	Limit				
	5180 - 5240	24dBm(250mW) for client device				
Limit:	5260 - 5320	24dBm(250mW) or 11 dBm + 10 log B, B is the 26 dB emission bandwidth in megahertz				
	5470 - 5725	24dBm(250mW) or 11 dBm + 10 log B, B is the 26 dB emission bandwidth in megahertz				
	5745 - 5825	30dBm(1W)				
Test Setup:	Spectrum Analyzer EUT					
Test Mode:	Transmitting mode w	vith modulation				
Test Procedure:	 The testing follows the Measurement Procedure of KDB789033 D02 General UNII Test Procedures New Rules v02r01 Section E, 3, a The RF output of EUT was connected to the power meter by RF cable. The path loss was compensated to the results for each measurement. Set to the maximum power setting and enable the EUT transmit continuously. 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		





5.4. 6dB Emission Bandwidth

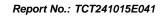
5.4.1. Test Specification

Test Requirement:	FCC CFR47 Part 15 Section 15.407(e)& Part 2 J Section 2.1049
Test Method:	KDB662911 D01 Multiple Transmitter Output v02r01 KDB789033 D02 General UNII Test Procedures New Rules v02r01 Section C
Limit:	>500kHz
Test Setup:	Spectrum Analyzer EUT
Test Mode:	Transmitting mode with modulation
Test Procedure:	 KDB789033 D02 General UNII Test Procedures New Rules v02r01 Section C Set to the maximum power setting and enable the EUT transmit continuously. Make the measurement with the spectrum analyzer's resolution bandwidth (RBW) = 100 kHz. Set the Video bandwidth (VBW) = 300 kHz. In order to make an accurate measurement. The 6dB bandwidth must be greater than 500 kHz. Measure and record the results in the test report.
Test Result:	PASS (5)

5.4.2. Test Instruments

Equipment	Manufacturer	Manufacturer Model		Calibration Due	
Spectrum Analyzer	Agilent	N9020A	MY49100619	Jun. 26, 2025	
Combiner Box	Ascentest	AT890-RFB	1 (0)	1 (6	

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5.5. 26dB Bandwidth and 99% Occupied Bandwidth

5.5.1. 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 KDB789033 D02 General UNII Test Procedures New Rules v02r01 Section D
Limit:	No restriction limits
Test Setup:	Spectrum Analyzer EUT
Test Mode:	Transmitting mode with modulation
Test Procedure:	 KDB789033 D02 General UNII Test Procedures New Rules v02r01 Section D Set to the maximum power setting and enable the EUT transmit continuously. 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. Measure and record the results in the test report.
Test Result:	PASS

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	1	1	

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5.6. Power Spectral Density

5.6.1. Test Specification

FCC Part15 E Section 15.407 (a)				
KDB662911 D01 Multiple Transmitter Output v02r01 KDB789033 D02 General UNII Test Procedures New Rules v02r01 Section F				
≤11.00dBm/MHz for Band 1 5150MHz-5250MHz(client device) ≤11.00dBm/MHz for Band 2A&2C 5250-5350&5470-5725 ≤30.00dBm/500KHz for Band 3 5725MHz-5850MHz The e.i,r,p spectral density for Band 1 5150MHz – 5250 MHz should not exceed 10dBm/MHz				
Spectrum Analyzer EUT				
Transmitting mode with modulation				
 Set the spectrum analyzer or EMI receiver span to view the entire emission bandwidth. Set RBW = 510 kHz/1 MHz, VBW ≥ 3*RBW, Sweep time = Auto, Detector = RMS. Allow the sweeps to continue until the trace stabilizes. Use the peak marker function to determine the maximum amplitude level. 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.				

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			

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5.7. Band edge

5.7.1. Test Specification

Test Requirement:	FCC CFR47 Pa	FCC CFR47 Part 15E Section 15.407						
Test Method:	ANSI C63.10:20	020						
	In un-restricted ba For Band 1&2A&2 For Band 3:		z	(C)				
	Frequency (MHz)	Limit (dBm/MHz)	Frequency (MHz)	Limit (dBm/MHz)				
	< 5650	-27	5850~5855	27~15.6				
Limit:	5650~5700	-27~10	5855~5875	15.6~10				
	5700~5720	10~15.6	5875~5925	10~-27				
	5720~5725	15.6~27	> 5925	-27				
	$E[dB\mu V/m] = EIR$		@3m					
	In restricted band:							
	Detec	tor	Limit@	23m				
	Pea	k	74dBµ	V/m				
	AVG	3	54dBµ	V/m				
Test Setup:	Ground Reference Plate Test Fectives To January Contollor							
Test Mode:	Transmitting mo	de with modu	ulation	100				
Test Procedure:	meters above the was rotated 360 highest radiation 2. The EUT was interference-received the top of a vari 3. The antennameters above the value of the field polarizations of measurement. 4. For each susto its worst case heights from 1 received from 0 demaximum readi 5. The test-received	 The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter camber. The table was rotated 360 degrees to determine the position of the highest radiation. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower. 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. 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 and the rota table was turned from 0 degrees to 360 degrees to find the maximum reading. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold 						

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Mode.

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(10dB lo stopped reported 10dB m quasiped	ower than the d and the p d. Otherwis nargin woul	ne limit spe eak values se the emis d be re-tes age metho	ecified, there of the EU ssions that sted one by	ak mode we testing con testing con the did not have one using ited and the	uld be e peak,
Test	Result:	PASS					

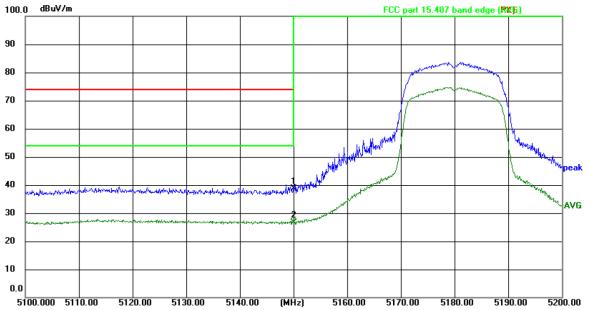


5.7.2. Test Instruments

Radiated Emission Test Site (966)												
Name of Equipment	Manufacturer	Model	Serial Number	Calibration Due								
EMI Test Receiver	R&S	ESCI7	100529	Jan. 31, 2025								
Spectrum Analyzer	R&S	FSQ40	200061	Jun. 26, 2025								
Spectrum Analyzer	Agilent	N9020A	MY49100619	Jun. 26, 2025								
Pre-amplifier	SKET	LNPA_0118G- 45	SK202101210 2	Jan. 31, 2025								
Pre-amplifier	SKET	LNPA_1840G- 50	SK202109203 500	Jan. 31, 2025								
Pre-amplifier	HP	8447D	2727A05017	Jun. 26, 2025								
Loop antenna	Schwarzbeck	FMZB1519B	00191	Jun. 26, 2025								
Broadband Antenna	Schwarzbeck	VULB9163	340	Jun. 28, 2025								
Horn Antenna	Schwarzbeck	BBHA 9120D	631	Jun. 28, 2025								
Horn Antenna	Schwarzbeck	BBHA 9170	00956	Feb. 02, 2025								
Coaxial cable	SKET	RE-03-D	/	Jun. 26, 2025								
Coaxial cable	SKET	RE-03-M	/	Jun. 26, 2025								
Coaxial cable	SKET	RE-03-L	1	Jun. 26, 2025								
Coaxial cable	SKET	RE-04-D	(0)	Jun. 26, 2025								
Coaxial cable	SKET	RE-04-M	/	Jun. 26, 2025								
Coaxial cable	SKET	RE-04-L	/	Jun. 26, 2025								
Antenna Mast	Keleto	RE-AM) 1	1								
EMI Test Software	EZ_EMC	FA-03A2 RE+	1.1.4.2	/								



5.7.3. Test Data AC20-5180

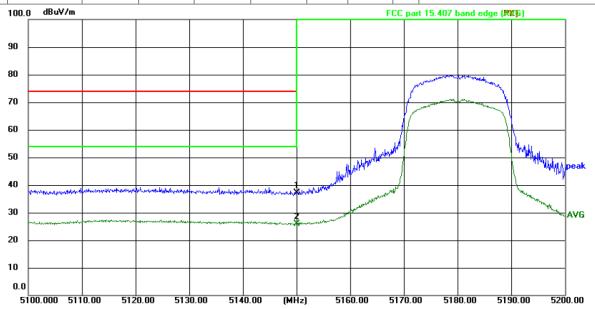


Site: 3m Anechoic Chamber Polarization: Horizontal Temperature: 25.3(°C) Humidity: 45 %

Limit: FCC part 15.407 band edge (PK)

Power: DC 3.7 V

	No.	Frequency (MHz)	Reading (dBuV)		Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F	Remark
	1	5150.000	47.13	-8.59	38.54	74.00	-35.46	peak	Р	
ľ	2 *	5150.000	35.18	-8.59	26.59	54.00	-27.41	AVG	Р	



Site: 3m Anechoic Chamber Polarization: Vertical Temperature: 25.3(°C) Humidity: 45 %

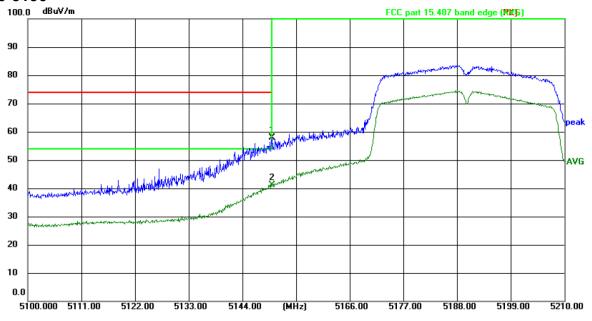
Limit: FCC part 15.407 band edge (PK) Power: DC 3.7 V

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector	P/F	Remark
1	5150.000	45.78	-8.59	37.19	74.00	-36.81	peak	Р	
2 *	5150.000	34.42	-8.59	25.83	54.00	-28.17	AVG	Р	

Report No.: TCT241015E041



AC40-5190

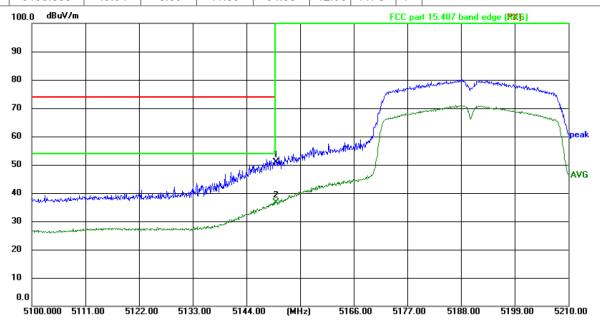


Site: 3m Anechoic Chamber Polarization: Horizontal Temperature: 25.3(℃) Humidity: 45 %

Limit: FCC part 15.407 band edge (PK)

Power: DC 3.7 V

No.	Frequency (MHz)	Reading (dBuV)		Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F	Remark
1	5150.000	66.35	-8.59	57.76	74.00	-16.24	peak	Р	
2 *	5150,000	49.64	-8.59	41.05	54.00	-12.95	AVG	Р	



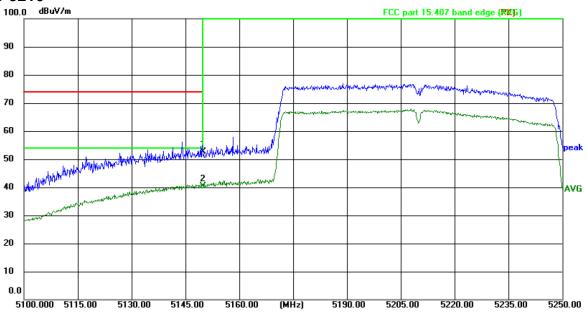
Site: 3m Anechoic Chamber Polarization: Vertical Temperature: 25.3(°C) Humidity: 45 %

Limit: FCC part 15.407 band edge (PK)

N	1 0.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector	P/F	Remark
	1	5150.000	59.48	-8.59	50.89	74.00	-23.11	peak	Р	
2	2 *	5150.000	45.12	-8.59	36.53	54.00	-17.47	AVG	Р	



AC80-5210

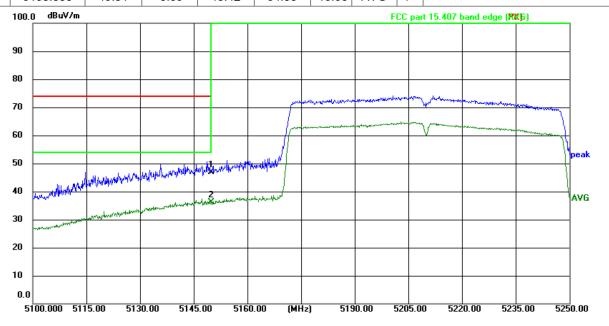


Site: 3m Anechoic Chamber Polarization: Horizontal Temperature: 25.3(°C) Humidity: 45 %

Limit: FCC part 15.407 band edge (PK)

Power: DC 3.7 V

No	0.	Frequency (MHz)	Reading (dBuV)		Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F	Remark
1		5150.000	61.10	-8.59	52.51	74.00	-21.49	peak	Р	
2	*	5150.000	49.01	-8.59	40.42	54.00	-13.58	AVG	Р	



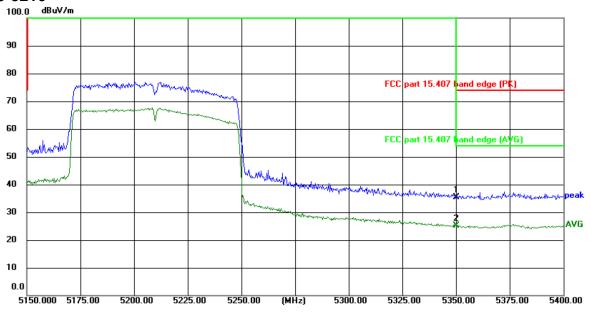
Site: 3m Anechoic Chamber Polarization: Vertical Temperature: 25.3(°C) Humidity: 45 %

Limit: FCC part 15.407 band edge (PK)

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)		Margin (dB)	Detector	P/F	Remark
1	5150.000	55.57	-8.59	46.98	74.00	-27.02	peak	Р	
2 *	5150.000	44.60	-8.59	36.01	54.00	-17.99	AVG	Р	



AC80-5210

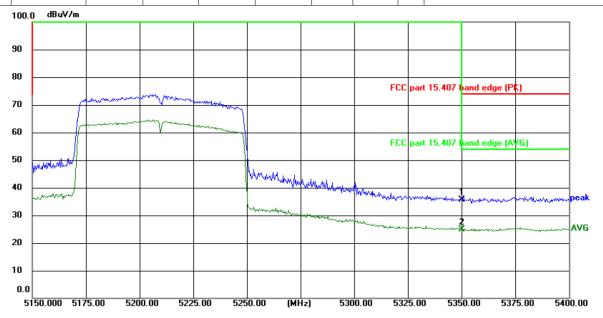


Site: 3m Anechoic Chamber Polarization: Horizontal Temperature: 25.3(°C) Humidity: 45 %

Limit: FCC part 15.407 band edge (PK)

Power: DC 3.7 V

ı	No.	Frequency (MHz)	Reading (dBuV)		Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F	Remark
	1	5350.000	44.39	-8.95	35.44	74.00	-38.56	peak	Р	
	2 *	5350.000	34.04	-8.95	25.09	54.00	-28.91	AVG	Р	



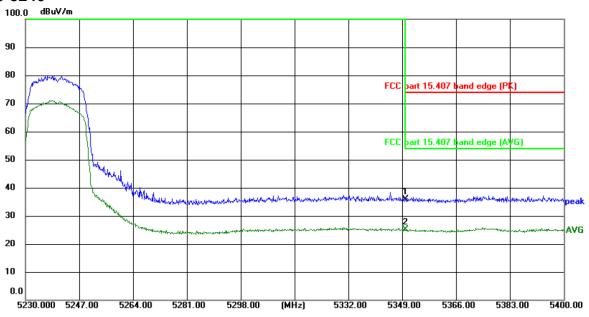
Site: 3m Anechoic Chamber Polarization: Vertical Temperature: 25.3(°C) Humidity: 45 %

Limit: FCC part 15.407 band edge (PK)

٨	10.	Frequency (MHz)	Reading (dBuV)		Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F	Remark
	1	5350.000	44.52	-8.95	35.57	74.00	-38.43	peak	Р	
2	2 *	5350.000	33.77	-8.95	24.82	54.00	-29.18	AVG	Р	



AC20-5240

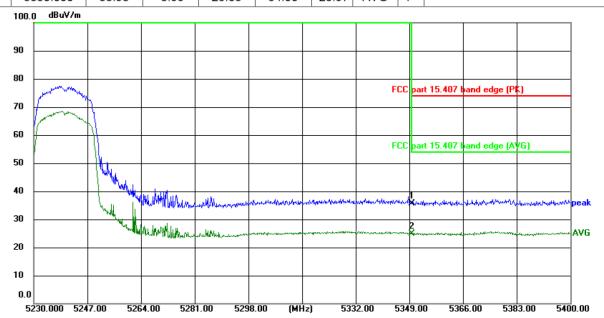


Site: 3m Anechoic Chamber Polarization: Horizontal Temperature: 25.3(°C) Humidity: 45 %

Limit: FCC part 15.407 band edge (PK)

Power: DC 3.7 V

	No.	Frequency (MHz)	Reading (dBuV)		Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F	Remark
	1	5350.000	44.88	-8.95	35.93	74.00	-38.07	peak	Р	
ľ	2 *	5350.000	33.98	-8.95	25.03	54.00	-28.97	AVG	Р	



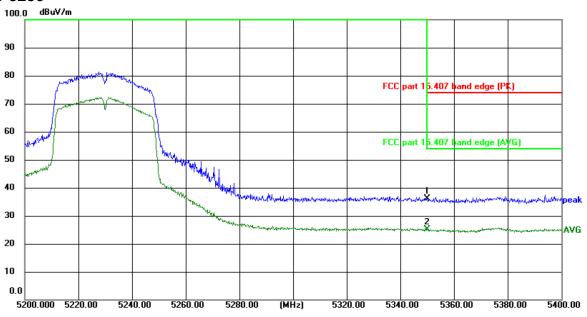
Site: 3m Anechoic Chamber Polarization: Vertical Temperature: 25.3(°C) Humidity: 45 %

Limit: FCC part 15.407 band edge (PK)

No.	Frequency (MHz)	Reading (dBuV)		Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F	Remark
1	5350.000	44.56	-8.95	35.61	74.00	-38.39	peak	Р	
2 *	5350.000	33.72	-8.95	24.77	54.00	-29.23	AVG	Р	



AC40-5230

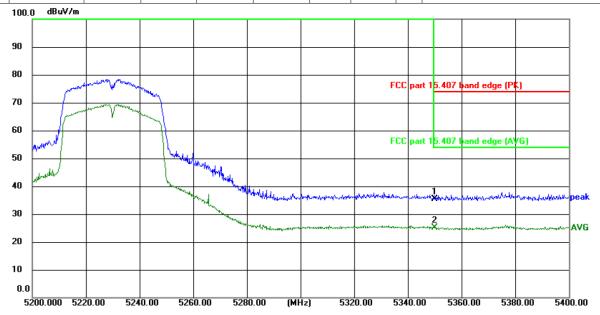


Site: 3m Anechoic Chamber Polarization: Horizontal Temperature: 25.3(℃) Humidity: 45 %

Limit: FCC part 15.407 band edge (PK)

Power: DC 3.7 V

No.	Frequency (MHz)	Reading (dBuV)		Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F	Remark
1	5350.000	45.20	-8.95	36.25	74.00	-37.75	peak	Р	
2 *	5350.000	34.04	-8.95	25.09	54.00	-28.91	AVG	Р	



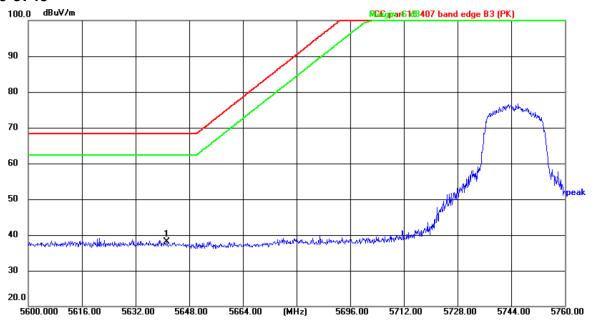
Site: 3m Anechoic Chamber Polarization: Vertical Temperature: 25.3(°C) Humidity: 45 %

Limit: FCC part 15.407 band edge (PK)

No.	Frequency (MHz)	Reading (dBuV)		Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F	Remark
1	5350.000	44.27	-8.95	35.32	74.00	-38.68	peak	Р	
2 *	5350.000	34.11	-8.95	25.16	54.00	-28.84	AVG	Р	



AC20-5745

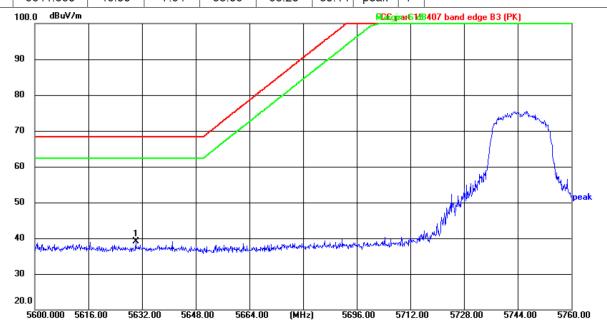


Site: 3m Anechoic Chamber Polarization: Horizontal Temperature: 25.3(°C) Humidity: 45 %

Limit: FCC part 15.407 band edge B3 (PK)

Power: DC 3.7 V

No.	Frequency (MHz)	Reading (dBuV)	l	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F	Remark
1 *	5641 360	46.00	-7 94	38.06	68 20	-30 14	peak	Р	



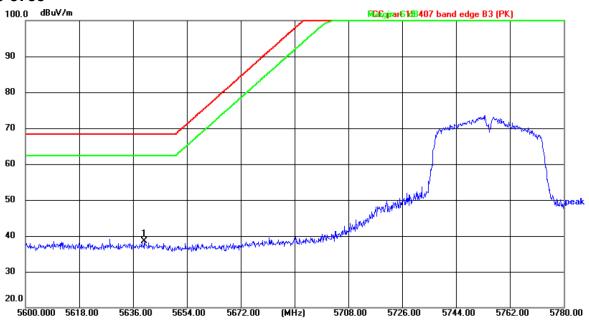
Site: 3m Anechoic Chamber Polarization: Vertical Temperature: 25.3(°C) Humidity: 45 %

Limit: FCC part 15.407 band edge B3 (PK)

No.	Frequency (MHz)	Reading (dBuV)		Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F	Remark
1 *	5630.160	46.79	-7.78	39.01	68.20	-29.19	peak	Р	



AC40-5755

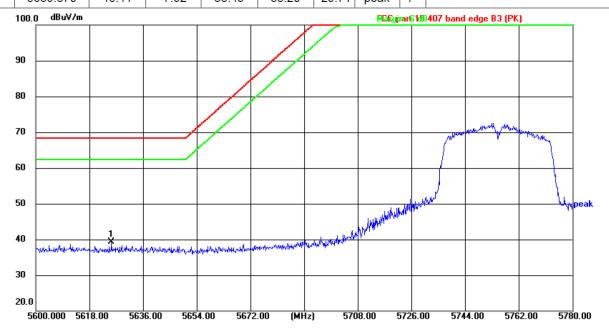


Site: 3m Anechoic Chamber Polarization: Horizontal Temperature: 25.3(°C) Humidity: 45 %

Limit: FCC part 15.407 band edge B3 (PK)

Power: DC 3.7 V

No.	Frequency (MHz)	Reading (dBuV)		Level (dBuV/m)	l .	Margin (dB)	Detector	P/F	Remark
1 *	5639 870	46 41	-7 92	38 49	68 20	-29 71	neak	Р	



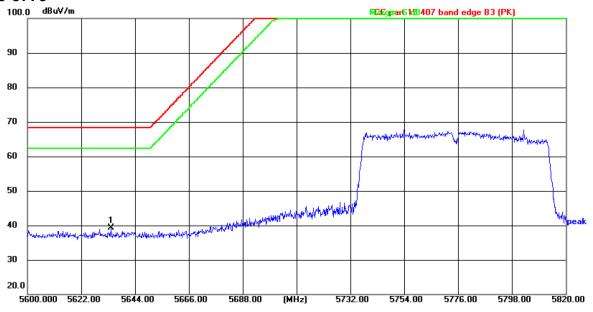
Site: 3m Anechoic Chamber Polarization: Vertical Temperature: 25.3(°C) Humidity: 45 %

Limit: FCC part 15.407 band edge B3 (PK)

No.	Frequency (MHz)	Reading (dBuV)		Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F	Remark
1 *	5625.380	47.03	-7.73	39.30	68.20	-28.90	peak	Р	



AC80-5775



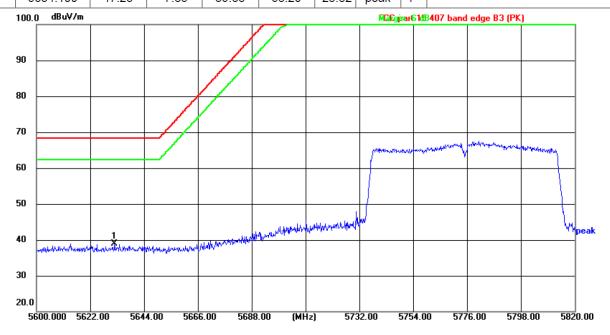
Site: 3m Anechoic Chamber Polari Limit: FCC part 15.407 band edge B3 (PK)

Polarization: Horizontal Temperature

Power: DC 3.7 V

Temperature: 25.3(℃) Humidity: 45 %

No.	Frequency (MHz)	Reading (dBuV)		Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F	Remark
1 *	5634 100	47 23	-7 85	39 38	68 20	-28 82	peak	Р	



Site: 3m Anechoic Chamber

Polarization: Vertical

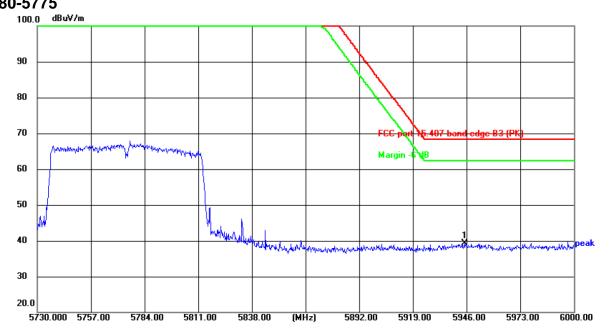
Temperature: 25.3(℃)

Humidity: 45 %

Limit: FCC part 15.407 band edge B3 (PK)

No.	Frequency (MHz)	Reading (dBuV)	l .	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F	Remark
1 *	5632.010	46.80	-7.81	38.99	68.20	-29.21	peak	Р	



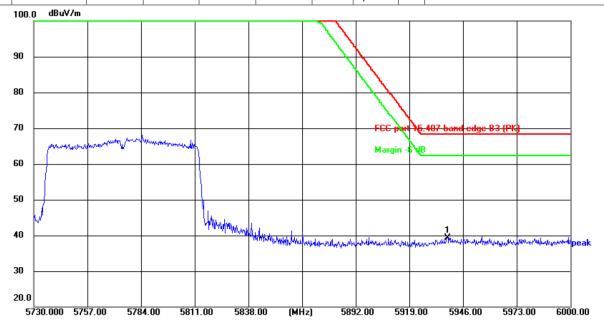


Site: 3m Anechoic Chamber Polarization: Horizontal Temperature: 25.3(°C) Humidity: 45 %

Limit: FCC part 15.407 band edge B3 (PK)

Power: DC 3.7 V

No.	Frequency (MHz)			Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F	Remark
1 *	5945.190	45.45	-6.13	39.32	68.20	-28.88	peak	Р	



Site: 3m Anechoic Chamber Polarization: Vertical Temperature: 25.3(°C) Humidity: 45 %

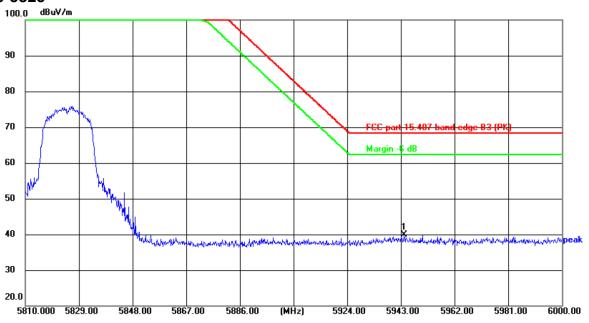
Limit: FCC part 15.407 band edge B3 (PK)

Power:	DC 3	3.7 V
--------	------	-------

No.	Frequency (MHz)			Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F	Remark
1 *	5938.035	45.42	-6.10	39.32	68.20	-28.88	peak	Р	



AC20-5825



Temperature: $25.3(^{\circ}C)$ Humidity: 45 % Site: 3m Anechoic Chamber Polarization: Horizontal

Level

Limit: FCC part 15.407 band edge B3 (PK)

Reading

Factor

Frequency

40

30

20.0

5810.000 5829.00

Power: DC 3.7 V Margin Detector P/F Remark Limit

No.		equency (MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	Detector	P/F	Remark
1 *	59	944.140	46.12	-6.12	40.00	68.20	-28.20	peak	Р	
	100.0) dBuV/m								
	90									
	80									
	70	prince to the Contract	May .					FCC p	art 15.	407 band edge 83 (PK)
	60		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \					Margi	n -6 dB	
	50	Jahr.	WANT THE PERSON NAMED IN COLUMN TO PERSON NA							

Temperature: 25.3(℃) Humidity: 45 % Site: 3m Anechoic Chamber Polarization: Vertical

(MHz)

Limit: FCC part 15.407 band edge B3 (PK)

5848.00

Power: DC 3.7 V

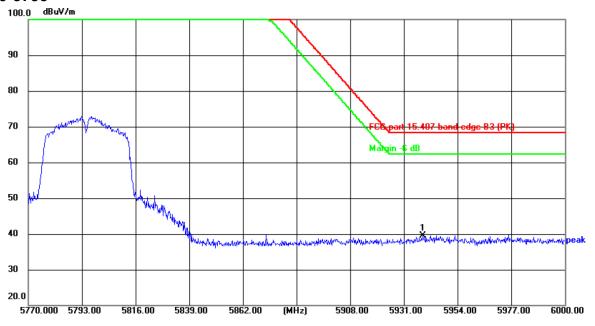
5924.00

No.	Frequency (MHz)			Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F	Remark
1 *	5941.765	45.64	-6.12	39.52	68.20	-28.68	peak	Р	

5981.00



AC40-5795



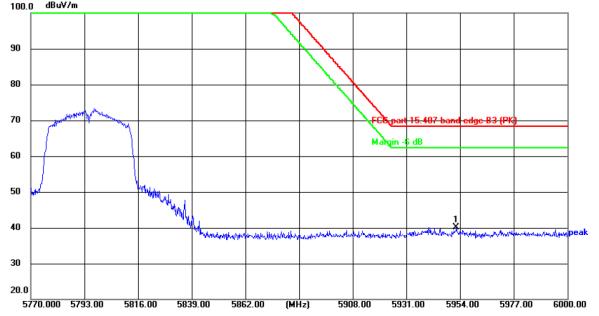
Site: 3m Anechoic Chamber Polarization: Horizontal Temperature: 25.3(°C) Humidity: 45 %

Limit: FCC part 15.407 band edge B3 (PK)

Power: DC 3.7 V

Limit Margin Detector P/F Remark

No.	Frequency (MHz)	Reading (dBuV)		Level (dBuV/m)		Margin (dB)	Detector	P/F	Remark	
1 *	5939.050	45.56	-6.10	39.46	68.20	-28.74	peak	Р		1
	100.0 dBuV/m									



Site: 3m Anechoic Chamber Polarization: Vertical Temperature: 25.3(°C) Humidity: 45 %

Limit: FCC part 15.407 band edge B3 (PK) Power:DC 3.7 V

No.	Frequency (MHz)	Reading (dBuV)		Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F	Remark
1 *	5952.390	46.18	-6.13	40.05	68.20	-28.15	peak	Р	

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



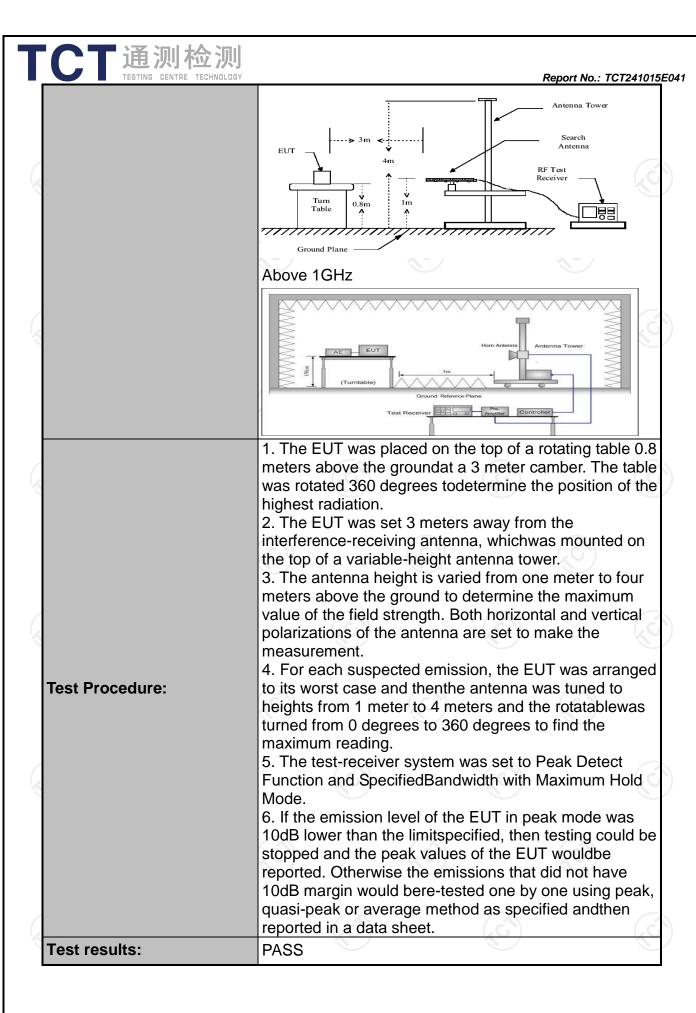
TESTING CENTRE TECHNOLOGY

Report No.: TCT241015E041

5.8. Unwanted Emissions

5.8.1. Test Specification

Test Requirement:	FCC CFR47	Part 15 S	ection 15	.407 & 1	5.209 & 15.205				
Test Method:	KDB 789033	KDB 789033 D02 v02r01							
Frequency Range:	9kHz to 40GHz								
Measurement Distance:	3 m				(3)				
Antenna Polarization:	Horizontal &	Vertical							
Operation mode:	Transmitting	Transmitting mode with modulation							
Receiver Setup:	Frequency 9kHz- 150kHz 150kHz- 30MHz 30MHz Above 1GHz	Detector Quasi-peak Quasi-peak Peak Peak	9kHz	VBW 1kHz 30kHz 300KHz 3MHz 10Hz	Remark Quasi-peak Value Quasi-peak Value Quasi-peak Value Peak Value Average Value				
Limit:	per FCC Par general field below table, In restricted I	Peak Peak							
Test setup:	For radiated emissions below 30MHz Distance = 3m Computer Pre-Amplifier Receiver 30MHz to 1GHz								





5.8.2. Test Instruments

	Radiated Emission Test Site (966)									
Name of Equipment	Manufacturer	Model	Serial Number	Calibration Due						
EMI Test Receiver	R&S	ESCI7	100529	Jan. 31, 2025						
Spectrum Analyzer	R&S	FSQ40	200061	Jun. 26, 2025						
Spectrum Analyzer	Agilent	N9020A	MY49100619	Jun. 26, 2025						
Pre-amplifier	SKET	LNPA_0118G- 45	SK202101210 2	Jan. 31, 2025						
Pre-amplifier	SKET	LNPA_1840G- 50	SK202109203 500	Jan. 31, 2025						
Pre-amplifier	HP	8447D	2727A05017	Jun. 26, 2025						
Loop antenna	Schwarzbeck	FMZB1519B	00191	Jun. 26, 2025						
Broadband Antenna	Schwarzbeck	VULB9163	340	Jun. 28, 2025						
Horn Antenna	Schwarzbeck	BBHA 9120D	631	Jun. 28, 2025						
Horn Antenna	Schwarzbeck	BBHA 9170	00956	Feb. 02, 2025 Jun. 26, 2025 Jun. 26, 2025						
Coaxial cable	SKET	RE-03-D	/							
Coaxial cable	SKET	RE-03-M	/							
Coaxial cable	SKET	RE-03-L	1	Jun. 26, 2025						
Coaxial cable	SKET	RE-04-D	(0)	Jun. 26, 2025						
Coaxial cable	SKET	RE-04-M	/	Jun. 26, 2025						
Coaxial cable	SKET	RE-04-L	/	Jun. 26, 2025						
Antenna Mast	Keleto	RE-AM) 1	(C) /						
EMI Test Software	EZ_EMC	FA-03A2 RE+	1.1.4.2	/						

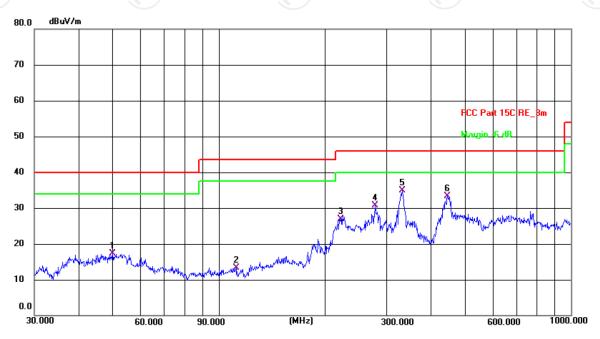


5.8.3. Test Data

Please refer to following diagram for individual

Below 1GHz

Horizontal:



Site 3m Anechoic Chamber2 Polarization: Horizontal Temperature: 25.3(C) Humidity: 55 %

46.00

46.00

Power: DC 3.7 V

-11.11

-12.71

Limit: FCC Part 15C RE_3m

No.

1

2

3

4

5

6

Frequency

(MHz)

50.0566

112.1303

222.1697

278.0668

332.5187

446.4139

Reading

(dBuV)

36.05

33.58

47.36

48.56

52.21

46.90

Factor

(dB/m)

-18.81

-20.24

-20.50

-17.87

-17.32

-13.61

34.89

33.29

Level Limit Margin Detector P/F Remark (dBuV/m) (dBuV/m) (dB) 17.24 40.00 -22.76 QP Ρ 13.34 43.50 -30.16 QΡ Ρ 26.86 46.00 Р -19.14 QΡ 30.69 46.00 -15.31 QΡ Ρ

Ρ

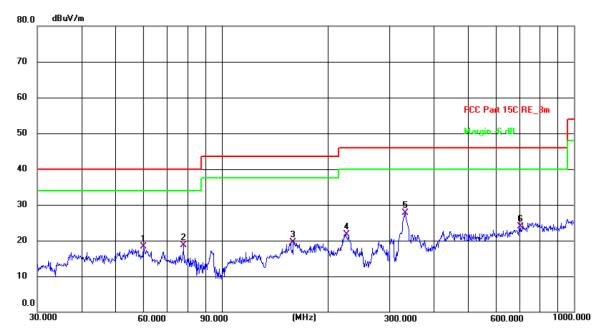
Ρ

QP

QΡ



Vertical:



Site 3m Anechoic Chamber2 Polarization: Vertical Temperature: 25.3(C) Humidity: 55 %

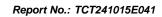
Limit: FCC Part 15C RE_3m

Power: DC 3.7 V Frequency Reading Factor Level Limit Margin Detector P/F No. Remark (MHz) (dBuV) (dBuV/m) (dBuV/m) (dB/m) (dB) 60.0690 37.26 1 -18.94 18.32 40.00 -21.68 QP Ρ 77.8653 40.49 -21.75 18.74 40.00 -21.26 QP Ρ 2 3 159.7844 36.64 -17.19 19.45 43.50 -24.05 QP Р 4 225.3078 42.18 -20.43 21.75 46.00 -24.25 QP Ρ 5 332.5187 45.11 -17.32 27.79 46.00 -18.21 QΡ Ρ 701.7609 32.68 -8.70 23.98 Р 46.00 -22.02 QP 6

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, 802.11n(HT20), 802.11n(HT40), 802.11ac(VHT20), 802.11ac(VHT40), 802.11ac(VHT80)) and the worst case Mode (Lowest channel and 802.11ac(VHT40)) was submitted only.
- 3. Measurement (dBµV) = Reading level + Correction Factor, correction Factor= Antenna Factor + Cable loss -Pre-amplifier.







				Modulation T	ype: Band	1			
				11a CH36:	•				
Frequency	Ant. Pol.	Peak reading	AV reading	Correction Factor	1 Emiss	ion Level	Peak limit		Margin
(MHz)	H/V	(dBµV)	(dBµV)	(dB/m)	Peak (dBµV/m	AV) (dBµV/m	(dBµV/m)	(dBµV/m)	(dB)
10360	Н	38.71		1.78	40.49		68.2		-27.71
15540	H	39.69		5.21	44.9		74	54	-9.1
	(,CH)		(-0)			<u> </u>	((C) -} -	
10360	V	38.04		1.78	39.82		68.2		-28.38
15540	V	40.82		5.21	46.03		74	54	-7.97
(-(-)-	V			[-6]		(
				11a CH40: \$	5200MHz				
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBµV)	AV reading (dBµV)	Correction Factor (dB/m)	Emissic Peak (dBµV/m)	on Level AV (dBµV/m)	Peak limit (dBµV/m)	AV limit (dBµV/m)	Margin (dB)
10400	Н	39.29		1.83	41.12		68.2		-27.08
15600	Н	40.85		5.23	46.08		74	54	-7.92
(A	Н			(K		/			
(O)		((0))		(70))		(0)	<u>_</u>	((0)
10400	V	40.18		1.83	42.01		68.2		-26.19
15600	V	41.36		5.23	46.59		74	54	-7.41
	V					Z			
	7 7 7 7 7 7			11a CH48:	5240MHz				
Fraguenay	Ant. Pol.	Peak	AV	Correction	Emissio	n Level	Peak limit	AV limit	Margin
Frequency (MHz)	H/V	reading	reading	Factor				(dBµV/m)	(dB)
(1711 12)	1 1/ V	(dBµV)	(dBµV)	(dB/m)	Peak (dBµV/m)	AV (dBµV/m)	(αΒμ ν/ιιι)	(ασμ ν/ιιι)	(dD)
10480	Н	38.28		1.85	40.13		68.2		-28.07
15720	Н	39.53		5.25	44.78		74	54	-9.22
	Н								
					(.0	-11			
10480	V	38.27		1.85	40.12	<i></i>	68.2		-28.08
15720	V	40.99		5.25	46.24		74	54	-7.76
	V								
			11ı	n(HT20) CH3	36: 5180MH	łz			
Frequency	Ant. Pol.	Peak reading	AV reading	Correction Factor	Emissio	on Level	Peak limit	AV limit	Margin
(MHz)	H/V	(dBµV)	(dBµV)	(dB/m)	Peak (dBµV/m)	ΑV (dBμV/m)	(dBµV/m)	(dBµV/m)	(dB)
10360	(KH)	41.64	-4,0	1.78	43.42	ر (ز	68.2	(¿G-1)	-24.78
15540	Н	40.82		5.21	46.03		74	54	-7.97
	Н								
								<u> </u>	<i></i>
10360	V	42.78		1.78	44.56	(68.2		-23.64
15540	V	41.3		5.21	46.51		74	54	-7.49
	V								



			11	n(HT20) CH	40: 5200MH	lz			
Frequency (MHz)	Ant. Pol. H/V	Peak reading	AV reading	Correction Factor	Emissio		Peak limit (dBµV/m)	AV limit (dBµV/m)	Margin (dB)
(1711 12)	11/ V	(dBµV)	(dBµV)	(dB/m)	Peak (dBµV/m)	AV (dBµV/m)	(αυμ ν/ιιι)	(αΒμ ν/ιιι)	(GD)
10400	Н	40.69		1.83	42.52		68.2		-25.68
15600	Н	41.17		5.23	46.4		74	54	-7.6
	Н							<u>-</u> -	
	(G)		(c)		(, ((G)	
10400	V	40.52		1.83	42.35	J	68.2		-25.85
15600	V	39.31		5.23	44.54		74	54	-9.46
	V								
			11	n(HT20) CH	48: 5240MH	łz			
Frequency	Ant. Pol.	Peak reading	AV reading	Correction Factor	Emissio	n Level	Peak limit		Margin
(MHz)	H/V	(dBµV)	(dBµV)	(dB/m)	Peak (dBµV/m)	AV (dBµV/m)	(dBµV/m)	(dBµV/m)	(dB)
10480	H	41.59	TKO	1.85	43.44)	68.2	(2-)	-24.76
15720	Н	41.73		5.25	46.98	-	74	54	-7.02
	Н								
						/			
10480	V	40.12		1.85	41.97		68.2		-26.23
15720	V	40.36		5.25	45.61		74	54	-8.39
	V								
			11	n(HT40) CH	38: 5190MF	łz			
Frequency	Ant. Pol.	Peak reading	AV reading	Correction Factor	Emissio	on Level	Peak limit	AV limit	Margin
(MHz)	H/V	(dBµV)	(dBµV)	(dB/m)	Peak (dBµV/m)	AV (dBµV/m)	(dBµV/m)	(dBµV/m)	(dB)
10380	Н	42.91		1.80	44.71	/	68.2		-23.49
15570	Н	41.27		5.22	46.49		74	54	-7.51
	Н								
								<u>. </u>	
10380	V	40.73		1.80	42.53	<u> </u>	68.2		-25.67
15570	V	39.46		5.22	44.68)	74	54	-9.32
	V								
			11	n(HT40) CH	46: 5230MH	lz			
Frequency	Ant. Pol.	Peak reading	AV reading	Correction Factor	Emissio	on Level	Peak limit		Margin
(MHz)	H/V	(dBµV)	(dBµV)	(dB/m)	Peak (dBµV/m)	ΑV (dBμV/m)	(dBµV/m)	(dBµV/m)	(dB)
10460	Д,	41.35		1.85	43.2		68.2		-25
15690	(H)	39.78	-4.6	5.08	44.86)	74	54	-9.14
	H					<i></i>		34	-9.14
					1		1		
10460	V	41.85		1.85	43.7		68.2		-24.5
	•					•			_ T.U
15690	V	40.62		5.08	45.7	(74	54	-8.3



			11a	c(VHT20) CH	136: 5180M	lHz			
Frequency (MHz)	Ant. Pol. H/V	Peak reading	AV reading	Correction Factor	Emissio	on Level	Peak limit	AV limit	Margin (dB)
(IVIIIZ)	⊓/ V	(dBµV)	(dBµV)	(dB/m)	Peak (dBµV/m)	ΑV (dBμV/m)	(dBµV/m)	(dBµV/m)	(ub)
10360	Н	40.27		1.78	42.05		68.2		-26.15
15540	Н	39.59		5.21	44.8		74	54	-9.2
	Н					·			
	(G)		(.G)				•	(G)	
10360	V	38.49	-1	1.78	40.27	/	68.2		-27.93
15540	V	39.7	-	5.21	44.91		74	54	-9.09
	V		-						
			11a	c(VHT20) CH	140: 5200M	lHz			
Frequency	Ant. Pol.	Peak reading	AV reading	Correction Factor	Emissio	n Level	Peak limit	AV limit	Margin
(MHz)	H/V	(dBµV)	(dBµV)	(dB/m)	Peak (dBµV/m)	AV (dBµV/m)	(dBµV/m)	(dBµV/m)	(dB)
10400	KH/	39.66	KO	1.83	41.49) <u></u>	68.2	(0_)	-26.71
15600	Н	40.19		5.23	45.42	-	74	54	-8.58
	Н								
10400	V	39.33		1.83	41.16	-	68.2		-27.04
15600	V	39.86		5.23	45.09		74	54	-8.91
	V								
			1	1ac(VHT20)	CH48:5240				
Frequency	Ant. Pol.	Peak reading	AV reading	Correction Factor	Emissio	n Level	Peak limit	AV limit	Margin
(MHz)	H/V	(dBµV)	(dBµV)	(dB/m)	Peak (dBµV/m)	AV (dBµV/m)	(dBµV/m)	(dBµV/m)	(dB)
10480	Н	37.11		1.85	38.96	(68.2		-29.24
15720	Н	38.67		5.25	43.92		74	54	-10.08
	Н								
-									
10480	V	38.25		1.85	40.1	<u> </u>	68.2		-28.1
15720	V	39.18	-40	5.25	44.43	٠, (٢	74	54	-9.57
	V								
			1	1ac(VHT40)	CH38:5190				
Frequency	Ant. Pol.	Peak reading	AV reading	Correction Factor		n Level	Peak limit	AV limit	Margin
(MHz)	H/V	(dBµV)	(dBµV)	(dB/m)	Peak (dBµV/m)	ΑV (dBμV/m)	(dBµV/m)	(dBµV/m)	(dB)
10380	Ж	40.59	//	1.80	42.39		68.2		-25.81
15570	(CH)	39.87	4.0	5.22	45.09	5)	74	54	-8.91
	Н					<i></i>		34	
		•	•	•	•		•		
10380	V	38.2		1.80	40		68.2		-28.2
15570	V	39.69		5.22	44.91	(74	54	-9.09
<u></u>	V				/		<u></u>		



	TESTING	CENTRE TECHNO	LOGY				Re	port No.: TC	T241015E04
			1	1ac(VHT40)	CH46:5230				
Frequency	Ant. Pol.	Peak reading	AV reading	Correction Factor	Emissio	on Level	Peak limit		Margin
(MHz)	H/V	(dBµV)	(dBµV)	(dB/m)	Peak (dBµV/m)	AV (dBµV/m)	(dBµV/m)	(dBµV/m)	(dB)
10460	Н	38.17		1.85	40.02	(,	68.2		-28.18
15690	Н	39.98		5.08	45.06		74	54	-8.94
	Н								
						2			
10460	V	39.37	12 6	1.85	41.22		68.2	(C)	-26.98
15690	V	40.22		5.08	45.3		74	54	-8.7
	V								
			11	ac(VHT80)	CH42:5210				
Frequency	Ant. Pol.	Peak reading	AV reading	Correction Factor	Emissio	n Level	Peak limit	AV limit	Margin
(MHz)	H/V	(dBµV)	(dBµV)	(dB/m)	Peak (dBµV/m)	AV (dBµV/m)	(dBµV/m)	(dBµV/m)	(dB)
10420	Ĥ	41.57	(A)	1.84	43.41	\ \	68.2	(-4-)	-24.79
15630	H	39.6		5.17	44.77)	74	54	-9.23
	Н								
					·				
10420	V	41.23		1.84	43.07	/	68.2		-25.13
15630	V	39.45		5.17	44.62		74	54	-9.38
	V								! (

Note:

- 1. Emission Level=Peak Reading + Correction Factor; Correction Factor= Antenna Factor + Cable loss Pre-amplifier
- 2. $Margin (dB) = Emission Level (Peak) (dB\mu V/m)-Average limit (dB\mu V/m)$
- 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.





			N	/lodulation T	ype: Band 3	3			
				11a CH149:					
Frequency	Ant. Pol.	Peak reading	AV reading	Correction Factor	Emissio	on Level	Peak limit	AV limit	Margin
(MHz)	H/V	(dBµV)	(dBµV)	(dB/m)	Peak (dBµV/m)	AV (dBµV/m)	(dBµV/m)	(dBµV/m)	(dB)
11490	Н	44.71		2.48	47.19		74	54	-6.81
17235	Н	37.00		6.50	43.5	·	68.2		-24.7
	(H)		(;0		(, c)		(.c . -)	
11490	V	45.06		2.48	47.54		74	54	-6.46
17235	V	38.78		6.50	45.28		68.2		-22.92
	V	((.6)					(
				11a CH157:	5785MHz				
Frequency (MHz)	Ant. Pol. H/V	Peak reading	AV reading	Correction Factor		on Level	Peak limit (dBµV/m)	AV limit (dBµV/m)	Margin (dB)
(1711 12)	1 1/ V	(dBµV)	(dBµV)	(dB/m)	Peak (dBµV/m)	AV (dBµV/m)	(ασμν/ιιι)	(αΒμ ۷/111)	(ub)
11570	Н	43.11		2.42	45.53		74	54	-8.47
17355	Н	38.67		7.03	45.7		68.2		-22.5
	Н	X		()					X
YO.)		(40)		120			(0)		(20)
11570	V	43.48		2.42	45.9		74	54	-8.1
17355	V	39.2		7.03	46.23		68.2		-21.97
	V					Z\			
				11a CH165:	5825MHz				
Frequency	Ant. Pol.	Peak reading	AV reading	Correction Factor	Emissio	on Level	Peak limit	AV limit	Margin
(MHz)	H/V	(dBµV)	(dBµV)	(dB/m)	Peak (dBµV/m)	AV (dBµV/m)	(dBµV/m)	(dBµV/m)	(dB)
11650	Н	43.77		2.41	46.18	'	74	54	-7.82
17475	Н	36.43		7.41	43.84		68.2		-24.36
	Н								
11650	V	43.85		2.41	46.26)	74	54	-7.74
17475	V	38.14		7.41	45.55		68.2		-22.65
	V								
			11r	n(HT20) CH1	49: 5745M	Hz			
Frequency	Ant. Pol.	Peak reading	AV reading	Correction Factor	Emissio	on Level	Peak limit	AV limit	Margin
(MHz)	H/V	(dBµV)	(dBµV)	(dB/m)	Peak (dBµV/m)	ΑV (dBμV/m)	(dBµV/m)	(dBµV/m)	(dB)
11490	(H)	44.39	42G	2.48	46.87	٠	74	54	-7.13
17235	H	38.57		6.50	45.07	/ 	68.2		-23.13
	Н								
		<i></i>	-		7.	-		U	
11490	V	44.82		2.48	47.3	(74	54	-6.7
17235	V	37.54		6.50	44.04		68.2		-24.16
					<u> </u>		00.2		



			11r	n(HT20) CH1	57: 5785M	Hz			
Frequency	Ant. Pol.	Peak reading	AV reading	Correction Factor	Emissio	n Level	Peak limit	AV limit	Margin
(MHz)	H/V	(dBµV)	(dBµV)	(dB/m)	Peak (dBµV/m)	AV (dBµV/m)	(dBµV/m)	(dBµV/m)	(dB)
11570	Η	44.3		2.42	46.72		74	54	-7.28
17355	Η	39.66		7.03	46.69		68.2		-21.51
	H								
	(G)		(.c)		(,)		•	(G)	
11570	V	44.82		2.42	47.24	/	74	54	-6.76
17355	V	39.51		7.03	46.54		68.2		-21.66
	V								
			11r	n(HT20) CH1	65: 5825M	Hz			
Frequency	Ant. Pol.	Peak reading	AV reading	Correction Factor	Emissio	n Level	Peak limit	AV limit	Margin
(MHz)	H/V	(dBµV)	(dBµV)	(dB/m)	Peak (dBµV/m)	AV (dBµV/m)	(dBµV/m)	(dBµV/m)	(dB)
11650	K H	45.69	-1/0	2.41	48.1)	74	54	-5.9
17475	Н	37.03		7.41	44.44		68.2		-23.76
	Н								
11650	V	45.89		2.41	48.3		74	54	-5.7
17475	V	40.13		7.41	47.54		68.2		-20.66
	V								
			11r	n(HT40) CH1	51: 5755M	Hz			
Frequency	Ant. Pol.	Peak reading	AV reading	Correction Factor	Emissio	n Level	Peak limit	AV limit	Margin
(MHz)	H/V	(dBµV)	(dBµV)	(dB/m)	Peak (dBµV/m)	AV (dBµV/m)	(dBµV/m)	(dBµV/m)	(dB)
11510	Н	44.69		2.47	47.16	(74	54	-6.84
17265	Н	37.55		6.62	44.17		68.2		-24.03
	Н								
				•			•		
11510	V	44.57		2.47	47.04		74	54	-6.96
17265	V	38.29		6.62	44.91)	68.2		-23.29
	V								
			11r	n(HT40) CH1	59: 5795M	Hz			
Frequency	Ant. Pol.	Peak reading	AV reading	Correction Factor	Emissio	n Level	Peak limit	AV limit	Margin
(MHz)	H/V	(dBµV)	(dBµV)	(dB/m)	Peak (dBµV/m)	AV (dBµV/m)	(dBµV/m)	(dBµV/m)	(dB)
11590	Ж	44.63		2.40	47.03	/	74	54	-6.97
17385	(H)	38.41	-4,0	7.15	45.56	5)	68.2	(, G-)	-22.64
	Н					<u> </u>			
	V	44.63		2.40	47.03		74	54	-6.97
11590 I									2.0.
11590 17385	V	37.88		7.15	45.03	(68.2		-23.17



			11ac	(VHT20) CH	1149. 37431	VIHZ			
Frequency	Ant. Pol.	Peak reading	AV reading	Correction Factor	Emissio	on Level	Peak limit	AV limit	Margin
(MHz)	H/V	(dBµV)	(dBµV)	(dB/m)	Peak (dBµV/m)	AV (dBµV/m)	(dBµV/m)	(dBµV/m)	(dB)
11490	Н	44.12		2.48	46.6	-	74	54	-7.4
17235	Н	37.65		6.50	44.15		68.2		-24.05
	H							- 7.	
,	(.c')		(.G)		(, ((.G)	
11490	V	44.24		2.48	46.72	J	74	54	-7.28
17235	V	38.91		6.50	45.41		68.2		-22.79
	V								
			11ac	(VHT20) CH	1157: 5785N	ИНz			
Frequency	Ant. Pol.	Peak reading	AV reading	Correction Factor	Emissio	n Level	Peak limit	AV limit	Margin
(MHz)	H/V	(dBµV)	(dBµV)	(dB/m)	Peak (dBµV/m)	AV (dBµV/m)	(dBµV/m)	(dBµV/m)	(dB)
11570	A H	43.03	760	2.42	45.45	7 /	74	54	-8.55
17355	Н	36.46		7.03	43.49		68.2		-24.71
	Н								
								*	
11570	V	43.87		2.42	46.29	()	74	54	-7.71
17355	V	38.25		7.03	45.28		68.2		-22.92
	V								
			11ac	(VHT20) CH	1165: 5825N	ИНz			
Frequency	Ant. Pol.	Peak reading	AV reading	Correction	Emissio	n Level	Peak limit	AV limit	Margin
(MHz)	H/V	(dBµV)	(dBµV)	(dB/m)	Peak (dBµV/m)	AV (dBµV/m)	(dBµV/m)	(dBµV/m)	(dB)
11650	Н	44.58		2.41	46.99	(74	54	-7.01
17475	Н	38.02		7.41	45.43	'	68.2		-22.77
	Н								
				1					
11650	V	44.63		2.41	47.04	(<i>)</i>	74	54	-6.96
	1 - 6 - 6 - 1	i l			47.04			1 - 1 - 1	
17475	V	40.18			47.04 47.59)	68.2	` <u></u> /	
17475 	V	40.18		7.41	47.04)	68.2		-20.61
				7.41 	47.59 				-20.61
	V Ant. Pol.	 Peak	 11ad AV	7.41 c(VHT40) CH Correction	47.59 151: 5755N		Peak limit	AV limit	-20.61
	V		 11ac	7.41 c(VHT40) CH	47.59 151: 5755M Emission	MHz on Level			-20.61
Frequency (MHz)	V Ant. Pol. H/V	Peak reading (dBµV)	AV reading (dBµV)	7.41 c(VHT40) CH Correction Factor (dB/m)	47.59 151: 5755N Emission Peak (dBµV/m)	MHz on Level	Peak limit	AV limit (dBµV/m)	-20.61 Margin (dB)
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBµV)	AV reading (dBµV)	7.41 c(VHT40) CH Correction Factor (dB/m) 2.47	47.59 151: 5755M Emissic Peak (dBµV/m) 46.59	MHz on Level AV (dBµV/m)	Peak limit (dBµV/m)	AV limit (dBµV/m)	-20.61 Margin (dB)
Frequency (MHz) 11510 17265	Ant. Pol. H/V	Peak reading (dBµV) 44.12 37.87	AV reading (dBµV)	7.41 c(VHT40) CH Correction Factor (dB/m) 2.47 6.62	47.59 151: 5755M Emission Peak (dBµV/m) 46.59 44.49	AV (dBµV/m)	Peak limit (dBµV/m) 74 68.2	AV limit (dBµV/m)	-20.61 Margin (dB) -7.41 -23.71
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBµV)	AV reading (dBµV)	7.41 c(VHT40) CH Correction Factor (dB/m) 2.47	47.59 151: 5755M Emissic Peak (dBµV/m) 46.59	MHz on Level AV (dBµV/m)	Peak limit (dBµV/m)	AV limit (dBµV/m)	-20.61 Margin (dB)
Frequency (MHz) 11510 17265	Ant. Pol. H/V	Peak reading (dBµV) 44.12 37.87	AV reading (dBµV)	7.41 c(VHT40) CH Correction Factor (dB/m) 2.47 6.62	47.59 151: 5755M Emissic Peak (dBµV/m) 46.59 44.49	AV (dBµV/m)	Peak limit (dBµV/m) 74 68.2	AV limit (dBµV/m)	-20.61 Margin (dB) -7.41 -23.71
Frequency (MHz) 11510 17265	Ant. Pol. H/V	Peak reading (dBµV) 44.12 37.87	AV reading (dBµV)	7.41 c(VHT40) CH Correction Factor (dB/m) 2.47 6.62	47.59 151: 5755M Emission Peak (dBµV/m) 46.59 44.49	AV (dBµV/m)	Peak limit (dBµV/m) 74 68.2	AV limit (dBµV/m)	-20.61 Margin (dB) -7.41 -23.71



			11ac	(VHT40) CH	1159: 5795N	ЛНz			
Frequency	Ant. Pol.	Peak reading	AV reading	Correction Factor	Emissio	n Level	Peak limit		Margin
(MHz)	H/V	(dBµV)	(dBµV)	(dB/m)	Peak (dBµV/m)	AV (dBµV/m)	(αΒμν/π)	(dBµV/m)	(dB)
11590	Н	43.5		2.40	45.9		74	54	-8.1
17385	Н	37.28		7.15	44.43		68.2		-23.77
	Н								
,	(.c')		(, c)		(, ((.c)	
11590	V	42.85		2.40	45.25		74	54	-8.75
17385	V	38.19		7.15	45.34		68.2		-22.86
	V) !) !
			11ac	(VHT80) CH	1155: 5775N	ЛНz			
Frequency	Ant. Pol.	Peak reading	AV reading	Correction Factor	Emissio	n Level	Peak limit		Margin
(MHz)	H/V	(dBµV)	(dBµV)	(dB/m)	Peak (dBµV/m)	AV (dBµV/m)	(aBµv/m)	(dBµV/m)	(dB)
11550	KH)	44.67	150	2.44	47.11	7 /	74	54	-6.89
17325	Н	38.34		6.89	45.23		68.2		-22.97
	Н								
	•								
11550	V	44.78		2.44	47.22	(74	54	-6.78
17325	V	38.05		6.89	44.94		68.2		-23.26
	V								

Note:

- 1. Emission Level=Peak Reading + Correction Factor; Correction Factor= Antenna Factor + Cable loss Pre-amplifier
- 2. Margin (dB) = Emission Level (Peak) (dB μ V/m)-Average limit (dB μ V/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.



5.9. Frequency Stability Measurement

5.9.1. Test Specification

Test Requirement:	FCC Part15 Section 15.407(g) &Part2 J Section 2.1055
Test Method:	ANSI C63.10:2020
Limit:	The frequency tolerance shall be maintained within the band of operation frequency over a temperature variation of 0 degrees to 45 degrees C at normal supply voltage, and for a variation in the primary supply voltage from 85% to 115% of the rated supply voltage at a temperature of 20 degrees C.
Test Setup:	Spectrum Analyzer EUT AC/DC Power supply
Test Procedure:	The EUT was placed inside the environmental test chamber and powered by nominal AC/DC voltage. b. Turn the EUT on and couple its output to a spectrum analyzer. c. Turn the EUT off and set the chamber to the highest temperature specified. d. Allow sufficient time (approximately 30 min) for the temperature of the chamber to stabilize. e. Repeat step 2 and 3 with the temperature chamber set to the lowest temperature. f. The test chamber was allowed to stabilize at +20 degree C for a minimum of 30 minutes. The supply voltage was then adjusted on the EUT from 85% to 115% and the frequency record.
Test Result:	PASS
Remark:	Pre-scan was performed at all models(11a,11n,11ac, 11ax), the worst case (11ax) was found and test data was shown in this report.



Test plots as follows:

	TESTING CENTRE TECHNOLOGY	Report No.: TCT241015E041
4 1 4	¢ 11	

Test mode:	802.11ac(HT20) Fi	Frequency(MHz):			5180
Temperature (°C)	Voltage(V _{DC})	Measureme	ent	Delta		Result
remperature (C)	voitage(vDC)	Frequency(M	/lHz)	Frequency(H	Hz)	Nesult
45		5180		0		PASS
35		5179.98		-20000		PASS
25	3.7V	5179.98		-20000		PASS
15	3.7 V	5179.96		-40000		PASS
5		5179.98		-20000		PASS
0		5179.98		-20000		PASS
	3.2V	5180		0		PASS
25	3.7V	5179.98		-20000		PASS
	4.2V	5179.96		-40000		PASS

Test mode:	802.11ac(HT20) Freque	ency(MHz):	5200
Temperature (°C)	Voltage(V _{DC})	Measurement	Delta	Result
Temperature (C)	voitage(vDC)	Frequency(MHz)	Frequency(Hz)	Nesult
45		5199.98	-20000	PASS
35		5199.98	-20000	PASS
25	3.7V	5199.98	-20000	PASS
15	3.7 V	5200	0	PASS
5		5200	0	PASS
0		5199.98	-20000	PASS
	3.2V	5200	0	PASS
25	3.7V	5200	0	PASS
	4.2V	5199.98	-20000	PASS

Test mode:	802.11ac	(HT20)	Freque	ency(MHz): 5240		5240
Temperature (°C)	Voltage(V _{DC})	Measur	ement	Delta		Result
remperature (C)	voitage(v _{DC})	Frequenc	cy(MHz)	Frequency(H	Hz)	Kesuit
45		5239	9.96	-40000		PASS
35		5239	9.96	-40000		PASS
25	3.7V	5239	9.98	-20000		PASS
15	3.7 V	5239	9.96	-40000		PASS
5		5240	0.02	20000		PASS
0		5239	9.98	-20000		PASS
	3.2V	524	40	0		PASS
25	3.7V	524	40	0		PASS
	4.2V	5239	9.98	-20000		PASS



Test mode:	802.11ac	(HT20)	HT20) Frequen			5745	
Temperature (°C)	Voltage(V _{DC})	Measu	rement	Delta		Result	
Temperature (C)	voitage(vDC)	Frequen	cy(MHz)	Frequency(F	Hz)	Nesuit	
45		5744	4.96	-40000		PASS	
35		5744	4.98	-20000		PASS	
25	3.7V	574	4.98	-20000		PASS	
15	3.7 V	57	45	0		PASS	
5	(, C	57	45	0		PASS	
0		574	4.98	-20000		PASS	
	3.2V	574	4.98	-20000		PASS	
25	3.7V	574	4.96	-40000		PASS	
$(C_{\mathcal{O}})$	4.2V	57	45	0.0		PASS	

Test mode:	802.11ac	(HT20)	Freque	ency(MHz): 5785	
Temperature (°C)	Voltage(V _{DC})	Measu	rement	Delta	Result
remperature (C)	voitage(vDC)	Frequen	cy(MHz)	Frequency(F	Hz)
45		578	4.96	-40000	PASS
35		578	4.98	-20000	PASS
25	3.7V	578	4.96	-40000	PASS
15	3.7 V	578	4.98	-20000	PASS
5		57	85	0	PASS
0		578	4.96	-40000	PASS
	3.2V	57	85	0	PASS
25	3.7V	578	4.98	-20000	PASS
	4.2V	57	85	0	PASS

Test mode:	802.11ac(HT20) Frequ	ency(MHz):	5825
Temperature (°C)	Voltage(V _{DC})	Measurement Frequency(MHz)	Delta Frequency(Hz)	Result
45		5824.96	-40000	PASS
35		5825	0 0	PASS
25	3.7V	5824.98	-20000	PASS
15	3.7 V	5824.96	-40000	PASS
5		5824.96	-40000	PASS
0		5824.98	-20000	PASS
	3.2V	5824.96	-40000	PASS
25	3.7V	5824.98	-20000	PASS
	4.2V	5824.96	-40000	PASS



Test mode:	802.11ac	ac(HT40) Frequency(MHz):		302.11ac(HT40) Frequency(MHz):		Frequency(MHz):		5190	
Temperature (°C)	Voltage(V _{DC})		rement	Delta		Result			
Temperature (0)	voltage(vbc)	Frequen	icy(MHz)	Frequency(Hz)	result			
45		518	9.96	-40000		PASS			
35		51	90	0		PASS			
25	3.7V	518	9.96	-40000		PASS			
15	3.7 V	51	90	0		PASS			
5		51	90	0		PASS			
0		51	90	0		PASS			
	3.2V	518	9.96	-40000		PASS			
25	3.7V	518	9.96	-40000		PASS			
(C)	4.2V	51	90	0,0	")	PASS	(\mathcal{O}_{i})		

Test mode:		802.11ac(HT40) Frequency(MHz):		5230		
Temperature (°C)	\/	oltage(V _{DC})	Measu	rement	Delta		Result
remperature (C)	٧١	Jilage(VDC)	Frequen	cy(MHz)	Frequency(H	Hz)	Nesuit
45			5229	9.96	-40000		PASS
35			52	30	0		PASS
25		3.7V	52	30	0		PASS
15		3.7 V	5229	9.96	-40000		PASS
5			5229	9.96	-40000		PASS
0			5229	9.96	-40000		PASS
(C)		3.2V	522	9.8	-200000		PASS
25	•	3.7V	5229	9.96	-40000		PASS
		4.2V	5229	9.96	-40000		PASS

Test mode:	802.11ac(HT40) Frequ	ency(MHz):	5755
Temperature (°C)	Voltage(V _{DC})	Measurement Frequency(MHz)	Delta Frequency(Hz)	Result
45		5755	0	PASS
35		5755	0	PASS
25	3.7V	5754.96	-40000	PASS
15	3.7 V	5754.96	-40000	PASS
5		5755	0	PASS
0		5754.96	-40000	PASS
	3.2V	5755	0	PASS
25	3.7V	5754.96	-40000	PASS
	4.2V	5754.96	-40000	PASS



Test mode:	802.11ac(HT40)	HT40) Frequency(MHz):		Hz): 5795		
Temperature (°C)	Voltage(V _{DC})	Measure	Measurement			Result	
remperature (C)	voitage(v _{DC})	Frequenc	y(MHz)	Frequency(I	Hz)	Result	
45	(,c,')	5794	.96	-40000		PASS	
35		579	5	0		PASS	
25	2.7\/	5794	.96	-40000 0		PASS	
15	3.7V	579	5			PASS	
5 (3)		5794	.96	-40000		PASS	
0		5794	.96	-40000		PASS	
	3.2V	579	5	0		PASS	
25	3.7V	5794	.92	-80000		PASS	~\\
(C)	4.2V	5794	.96	-40000		PASS	O_{J}

Test mode:		802.11ac(V	/HT80)	Frequency(MHz):		z):	5210	
Temperature (°C)	\/	oltage(V _{DC})	Measu	Measurement		lta	Result	
remperature (C)	٧١	ortage(VDC)	Frequen	cy(MHz)	Freque	ncy(Hz)	Nesuit	
45			52	5210)	PASS	
35			52	10	()	PASS	
25		3.7V	52	5210			PASS	
15		3.7 V	52	10	(PASS	
5			52	10	()	PASS	
0			52	10)	PASS	
(C_{i})		3.2V	52	10)	PASS	
20	•	3.7V	52	10)	PASS	•
		4.2V	52	10	()	PASS	

Test mode:	802.11ac(\	/HT80)	Freque	ency(MHz):		5775	
Temperature (°C)	Voltage(V _{DC})	Measure	Measurement		elta	Result	
remperature (C)	voitage(v _{DC})	Frequenc	y(MHz)	Freque	ncy(Hz)	Result	
45		577	5)	PASS	
35		577	5)	PASS	
25	3.7V	577	5	()	PASS	
15	3.7 V	577	5	()	PASS	
5		577	5	(0	PASS	
0		577	5	()	PASS	
	3.2V	577	5	()	PASS	
20	3.7V	577	5)	PASS	
(20)	4.2V (C	577	5	G') ()	PASS	



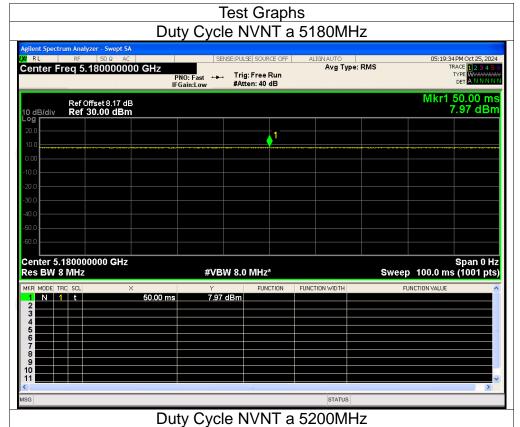
Appendix A: Test Result of Conducted Test

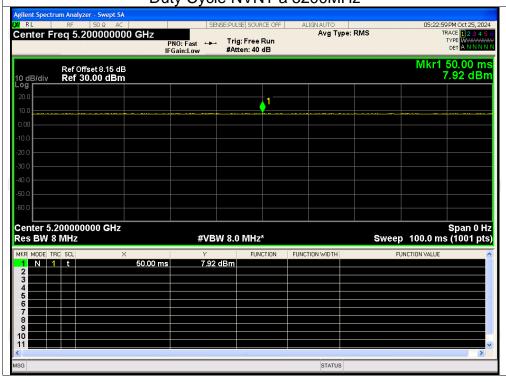
Duty Cycle

Condition	Mode	Frequency (MHz)	Duty Cycle (%)	Correction Factor (dB)
NVNT	а	5180	100	0
NVNT	а	5200	100	0
NVNT	а	5240	100	0
NVNT	n20	5180	100	0
NVNT	n20	5200	100	0
NVNT	n20	5240	100	0
NVNT	n40	5190	100	0
NVNT	n40	5230	100	0
NVNT	ac20	5180	100	0
NVNT	ac20	5200	100	0
NVNT	ac20	5240	100	0
NVNT	ac40	5190	100	0
NVNT	ac40	5230	100	0
NVNT	ac80	5210	100	0
NVNT	a	5745	100	0
NVNT	а	5785	100	0
NVNT	а	5825	100	0
NVNT	n20	5745	100	0
NVNT	n20	5785	100	0
NVNT	n20	5825	100	0
NVNT	n40	5755	100	0
NVNT	n40	5795	100	0
NVNT	ac20	5745	100	0
NVNT	ac20	5785	100	0
NVNT	ac20	5825	100	0
NVNT	ac40	5755	100	0
NVNT	ac40	5795	100	0
NVNT	ac80	5775	100	0

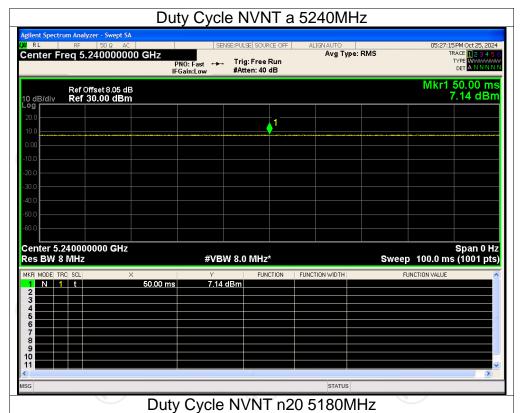


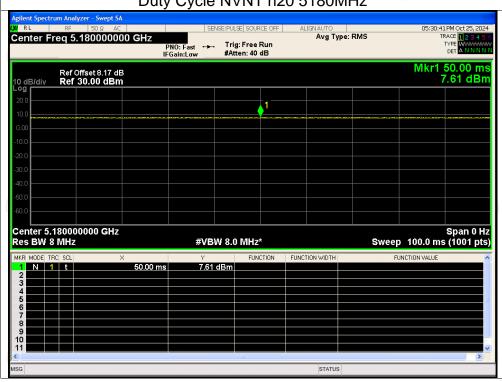




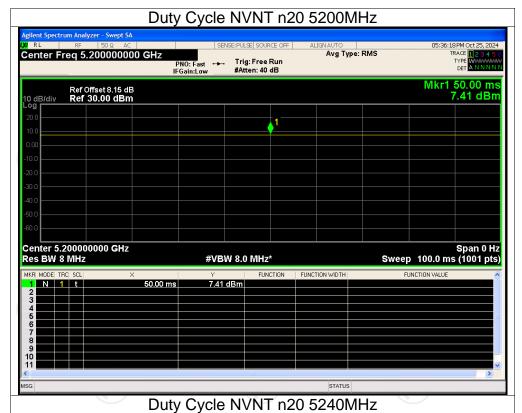


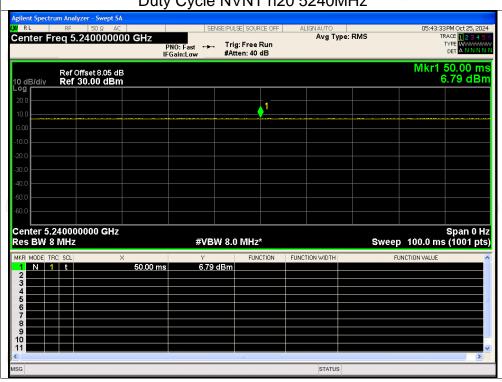




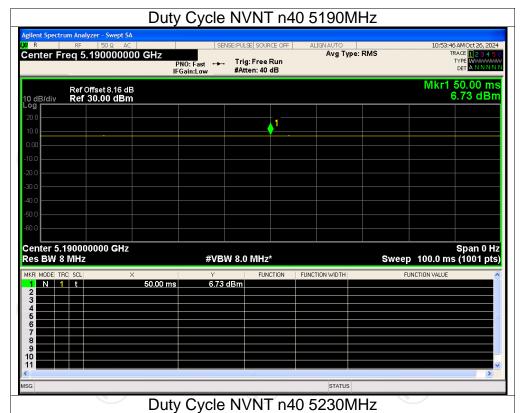


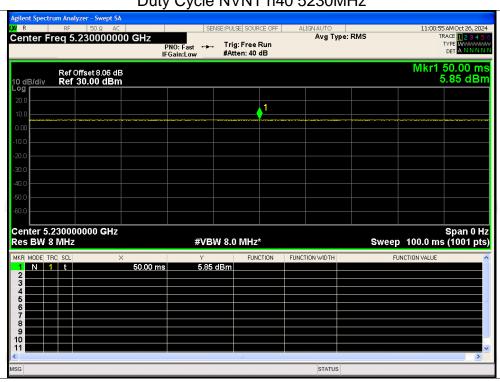






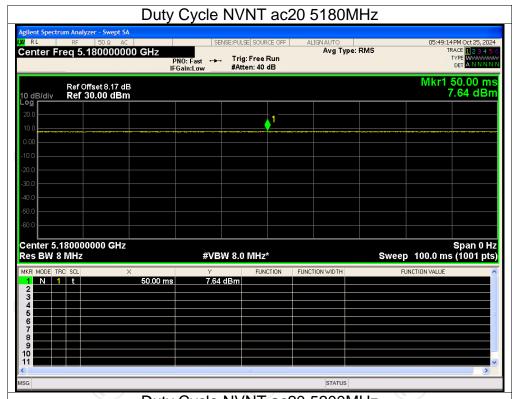


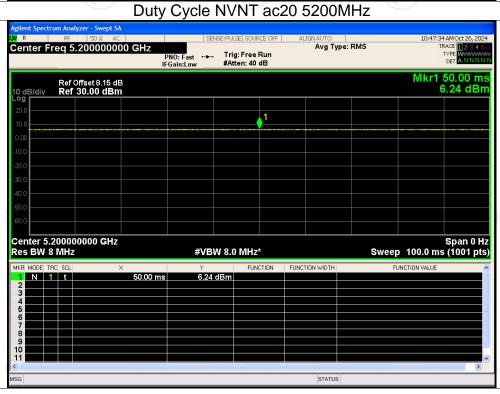




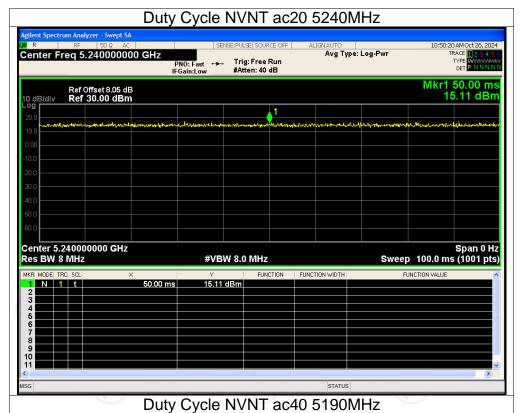


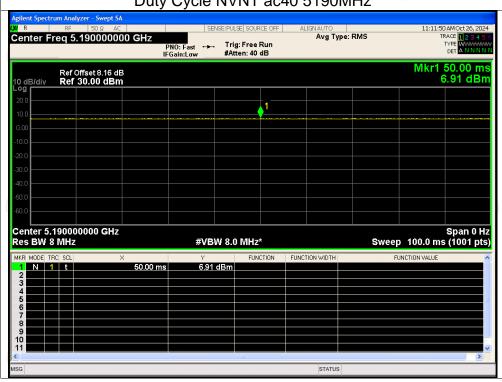




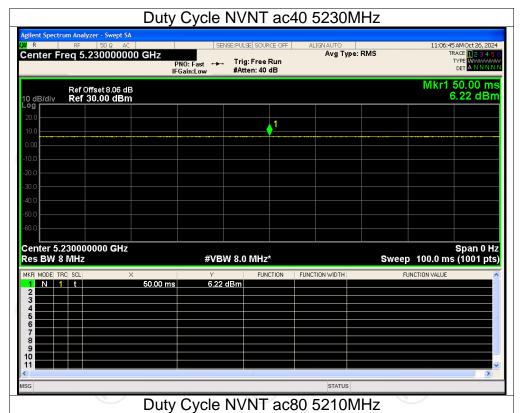


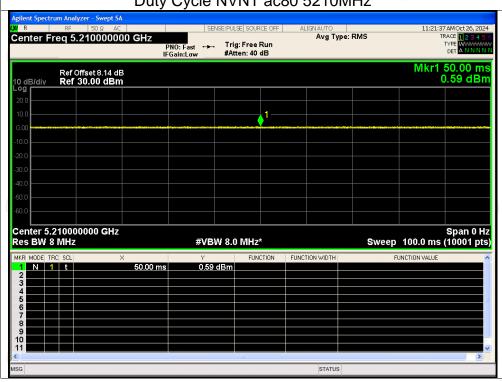




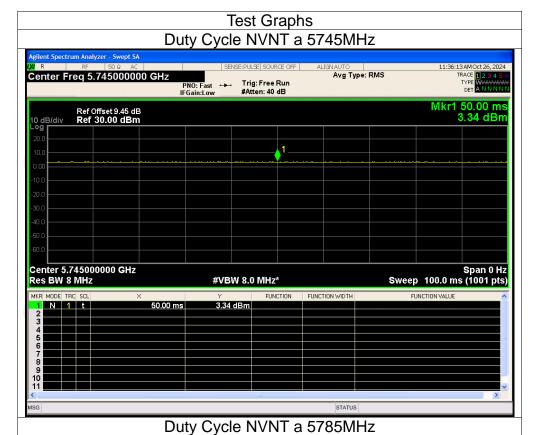


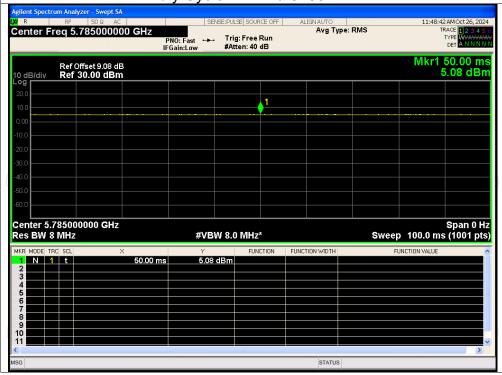




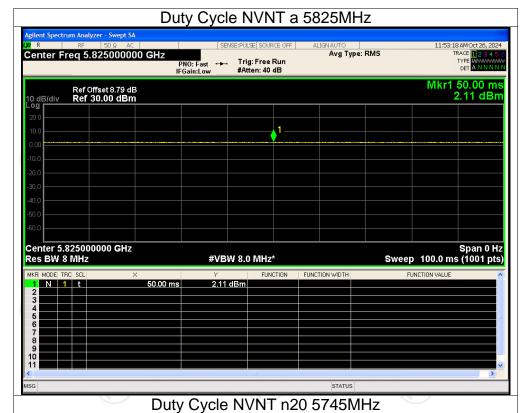


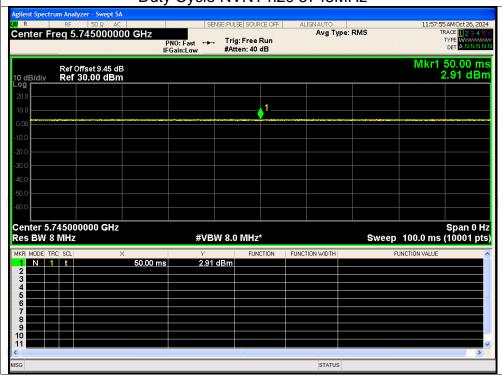




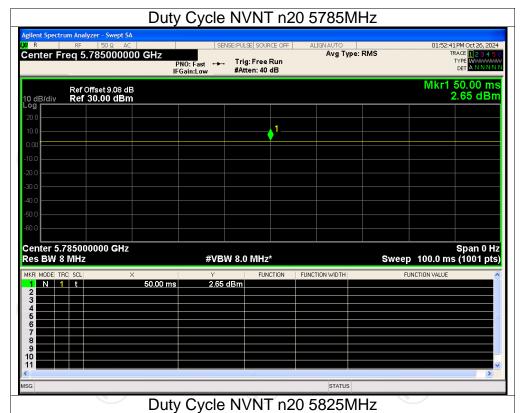


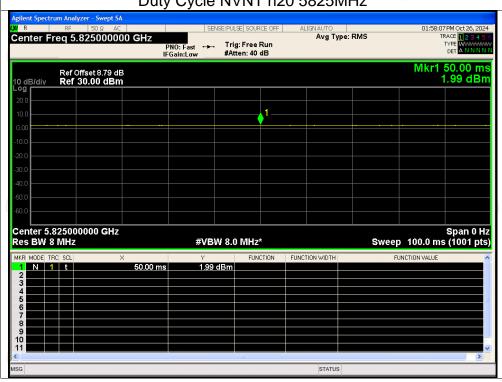




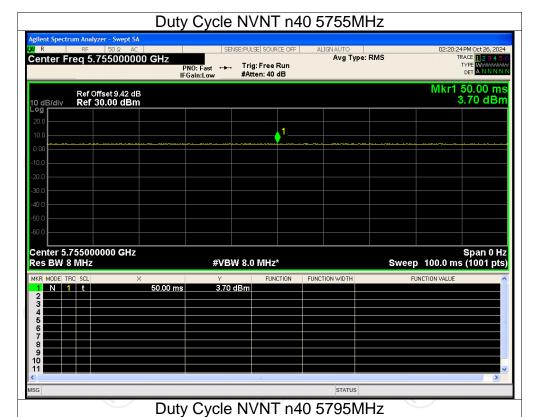


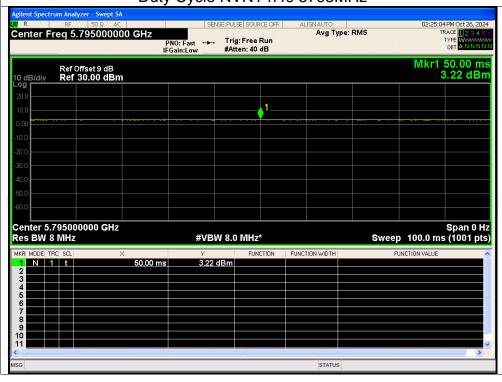




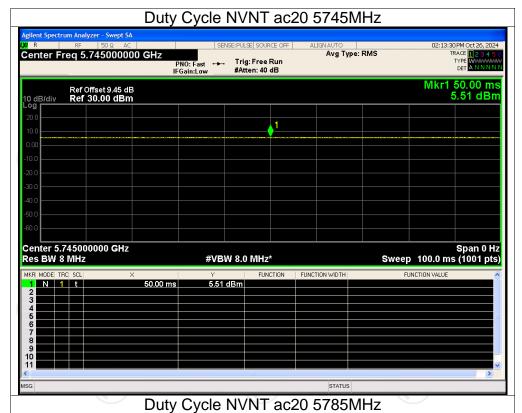


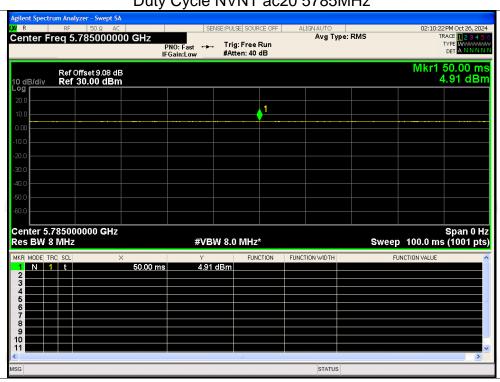




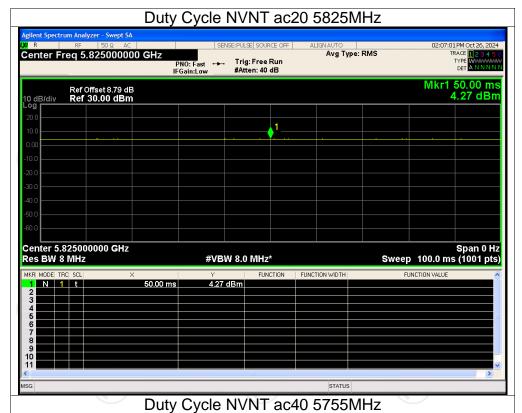


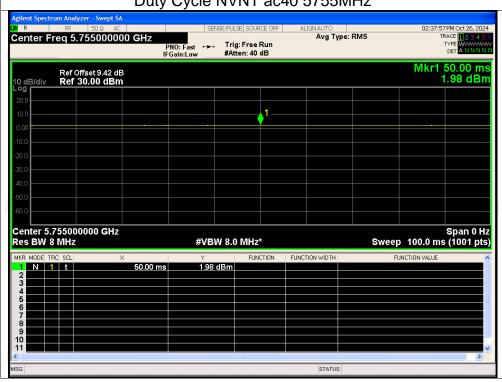




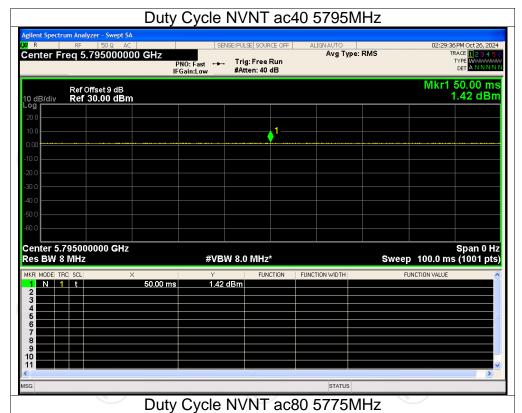


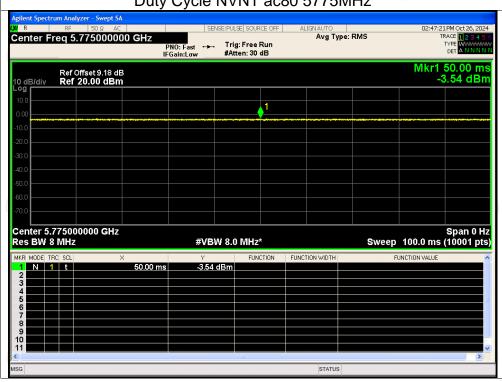














Maximum Conducted Output Power

waximum Conducted Output Power					
Condition	Mode	Frequency	Conducted	Limit	Verdict
		(MHz)	Power (dBm)	(dBm)	
NVNT	а	5180	10.36	24	Pass
NVNT	а	5200	10.25	24	Pass
NVNT	а	5240	9.60	24	Pass
NVNT	n20	5180	10.10	24	Pass
NVNT	n20	5200	10.01	24	Pass
NVNT	n20	5240	9.41	24	Pass
NVNT	n40	5190	12.21	24	Pass
NVNT	n40	5230	11.36	24	Pass
NVNT	ac20	5180	10.14	24	Pass
NVNT	ac20	5200	8.75	24	Pass
NVNT	ac20	5240	8.63	24	Pass
NVNT	ac40	5190	12.30	24	Pass
NVNT	ac40	5230	11.74	24	Pass
NVNT	ac80	5210	9.98	24	Pass
NVNT	а	5745	5.91	30	Pass
NVNT	а	5785	7.53	30	Pass
NVNT	а	5825	4.47	30	Pass
NVNT	n20	5745	5.68	30	Pass
NVNT	n20	5785	5.18	30	Pass
NVNT	n20	5825	4.58	30	Pass
NVNT	n40	5755	9.27	30	Pass
NVNT	n40	5795	8.74	30	Pass
NVNT	ac20	5745	8.10	30	Pass
NVNT	ac20	5785	7.50	30	Pass
NVNT	ac20	5825	6.96	30	Pass
NVNT	ac40	5755	7.48	30	Pass
NVNT	ac40	5795	6.92	30	Pass
NVNT	ac80	5775	5.61	30	Pass



