

TEST REPORT					
FCC ID:	2BLTA-SCW2403M				
Test Report No::	TCT240603E028				
Date of issue::	Jun. 19, 2024				
Testing laboratory:	SHENZHEN TONGCE TEST	ING LAB			
Testing location/ address:	2101 & 2201, Zhenchang Fac Fuhai Subdistrict, Bao'an Dist 518103, People's Republic of				
Applicant's name:	EWIC PHILIPPINES INC.				
Address::	BLDG NOS 7&8 S BLK 2 LOTECHNOPARK ANNEX, BAF Philippines	T 2 EZP WAREHOUSE LAGUNA RANGAY BO BINAN, BINAN,			
Manufacturer's name:	Sharetronic Data Technology	Co., Ltd.			
Address::	1209 F12th Yaohuachuagnjia Futian District Shenzhen Gua	in Building No. 6023 Shennan Blvd. Ingdong P.R.China			
Standard(s):	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 v02r01				
Product Name::	Smart Camera				
Trade Mark:	N/A				
Model/Type reference:	Refer to model list of page 3				
Rating(s):	Adapter Information: Model: CS-0501000 Input: AC 100-240V, 50/60Hz Output: DC 5V, 1A	z, 0.5A Max.			
Date of receipt of test item ::	Jun. 03, 2024				
Date (s) of performance of test:	Jun. 03, 2024 ~ Jun. 19, 2024				
Tested by (+signature):	Yannie ZHONG	Yannie Zokacz			
Check by (+signature):	Beryl ZHAO BoyCon TOTAL				
Approved by (+signature):	Tomsin	Tombot's 84			

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1. General Product Information

1.1. EUT description

Product Name:	Smart Camera		
Model/Type reference:	S-CW2403M		
Sample Number:	TCT240603E008-0101		
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 802.11ax: 20MHz, 40MHz		
Modulation Technology:	Orthogonal Frequency Division Multip	lexing(OFDM)	
Modulation Type:	256QAM, 64QAM, 16QAM, BPSK, QF	PSK	
Antenna Type:	FPC Antenna		
Antenna Gain:	Band 1: 5.28dBi Band 3: 4.28dBi		
Rating(s)::	Adapter Information: Model: CS-0501000 Input: AC 100-240V, 50/60Hz, 0.5A M Output: DC 5V, 1A	ax.	

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 (5)	S-CW2403M	
Other models	S-CW6111A01, S-CW6112A01, S-CW6110A01, S-CW6211A01, S-CW6212A01, S-CE6211A01, S-CE6212A01, S-CE6212A01, S-CW6241A01, S-CW6242A01, S-CW6311A01, S-CW6312A01, S-CW6242A01, S-CW6244A01, S-CW6314A01, S-CW6411A01, S-CW6511A01, S-CW6314A02, S-CW6111A03, S-CW6112A03, S-CW6110A03, S-CW6211A03, S-CW6212A03, S-CE6211A03, S-CE6212A03, S-CE6210A03, S-CW6241A03, S-CW6242A03, S-CW6311A03, S-CW6314A03, S-CW6214A03, S-CW6212A04, S-CW6211A04, S-CW6211A04, S-CW6212A04, S-CW6211A04, S-CW6212A04, S-CW6212A04, S-CW6241A04, S-CW6242A04, S-CW6311A04, S-CW6242A04, S-CW6311A04, S-CW6242A04, S-CW6311A04, S-CW6242A04, S-CW6244A04, S-CW6314A04, S-CW6242A04, S-CW6244A04, S-CW6314A04, S-CW6214A04, S-CW624A04, S-CW6	



S-CW6111A05, S-CW6112A05, S-CW6110A05, S-CW6211A05, S-CW6212A05, S-CE6211A05, S-CE6212A05, S-CE6210A05, S-CW6241A05, S-CW6242A05, S-CW6311A05, S-CW6312A05, S-CW6214A05, S-CW6214A05, S-CW6110A06, S-CW6111A06, S-CW6212A06, S-CW6211A06, S-CW6212A06, S-CW6212A06, S-CW6242A06, S-CW6212A06, S-CW6242A06, S-CW6214A06, S-CW6200-Halow, IMIKI C500

Note: S-CW2403M is tested model, other models are derivative models. The models are identical in circuit and PCB layout, only different on the model names and appearance. So the test data of S-CW2403M can represent the remaining models.

1.3. Test Frequency

Band 1

20MHz		40MHz		
Channel	Frequency	Channel	Frequency	
36	5180	38	5190	
40	5200	46	5230	
48	5240			

Band 3

20MHz		40MHz		
Channel	Frequency	Channel	Frequency	
149	5745	151	5755	
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:



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 5.15-5.25 GHz, 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:	22.8 °C	23.3 °C
Humidity:	49 % RH	52 % RH
Atmospheric Pressure:	1010 mbar	1010 mbar
Test Software:		
Software Information:	SSCOM V5.13.1	
Power Level:	10	
Test Mode:		
Engineer mode:	Keep the EUT in continu	uous transmitting by select s 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
802.11ac(VHT40)	13.5 Mbps
802.11ax(HE20)	6.5Mbps
802.11ax(HE40)	13.5Mbps



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	1	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 FPC antenna which permanently attached, and the best case gain of the antenna is 5.28dBi of Band 1.





5.2. Conducted Emission

5.2.1. Test Specification

Test Requirement:	FCC Part15 C Section 15.207			
Test Method:	ANSI C63.10:2020			
Frequency Range:	150 kHz to 30 MHz	(0)		
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	
Test Setup:	Reference 40cm 40cm E.U.T AC power Test table/Insulation plane Remark: E.U.T. Equipment Under Test LISN: Line Impedence Stabilization No. Test table height=0.8m	er Bliter Filter EMI Receiver	AC power	
Test Mode:	Transmitting 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 Due							
EMI Test Receiver	R&S	ESCI3	100898	Jun. 29, 2024			
Line Impedance Stabilisation Newtork(LISN)	Schwarzbeck	NSLK 8126	8126453	Jan. 31, 2025			
Line-5	TCT	CE-05	/	Jul. 03, 2024			
EMI Test Software	Shurple Technology	EZ-EMC	1 (6)	1 6			



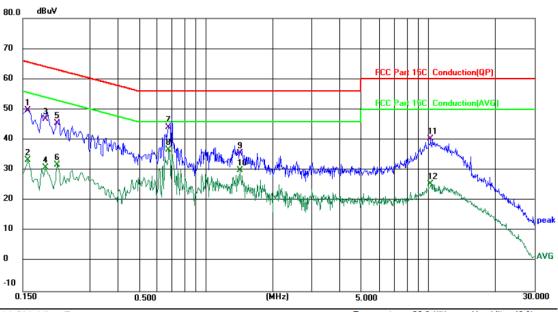


5.2.3. Test data

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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: 22.8 (°C)

Humidity: 49 %

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		0.1580	39.81	10.03	49.84	65.57	-15.73	QP	
2		0.1580	23.30	10.03	33.33	55.57	-22.24	AVG	
3		0.1900	36.82	10.03	46.85	64.04	-17.19	QP	
4		0.1900	20.89	10.03	30.92	54.04	-23.12	AVG	
5		0.2139	35.52	9.84	45.36	63.05	-17.69	QP	
6		0.2139	22.00	9.84	31.84	53.05	-21.21	AVG	
7		0.6820	34.94	9.18	44.12	56.00	-11.88	QP	
8	*	0.6820	27.40	9.18	36.58	46.00	-9.42	AVG	
9		1.4219	25.59	9.96	35.55	56.00	-20.45	QP	
10		1.4219	19.91	9.96	29.87	46.00	-16.13	AVG	
11		10.2700	29.75	10.63	40.38	60.00	-19.62	QP	
12		10.2700	14.71	10.63	25.34	50.00	-24.66	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)

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

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

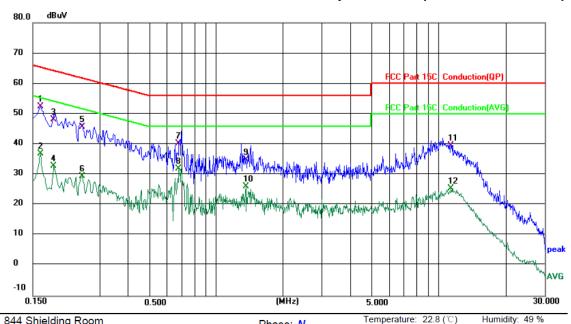
Q.P. =Quasi-Peak

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)



Temperature: 22.8 (°C) Site 844 Shielding Room Phase: N

Lim	Limit: FCC Part 15C Conduction(QP)					Power: AC 120 V/ 60 Hz		0 V/ 60 Hz	
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	*	0.1620	42.53	10.01	52.54	65.36	-12.82	QP	
2		0.1620	26.86	10.01	36.87	55.36	-18.49	AVG	
3		0.1859	38.13	10.02	48.15	64.22	-16.07	QP	
4		0.1859	22.83	10.02	32.85	54.22	-21.37	AVG	
5		0.2500	35.87	9.82	45.69	61.76	-16.07	QP	
6		0.2500	19.66	9.82	29.48	51.76	-22.28	AVG	
7		0.6820	31.20	9.15	40.35	56.00	-15.65	QP	
8		0.6820	22.80	9.15	31.95	46.00	-14.05	AVG	
9		1.3619	24.97	9.91	34.88	56.00	-21.12	QP	
10		1.3619	16.10	9.91	26.01	46.00	-19.99	AVG	
11		11.3780	28.93	10.62	39.55	60.00	-20.45	QP	
12		11.3780	14.89	10.62	25.51	50.00	-24.49	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.

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), 802.11ax(VHT20), 802.11ax(VHT40) and the worst case Mode (Lowest channel and 802.11n(HT20)) was submitted only.

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5.3. Maximum Conducted Output Power

5.3.1. Test Specification

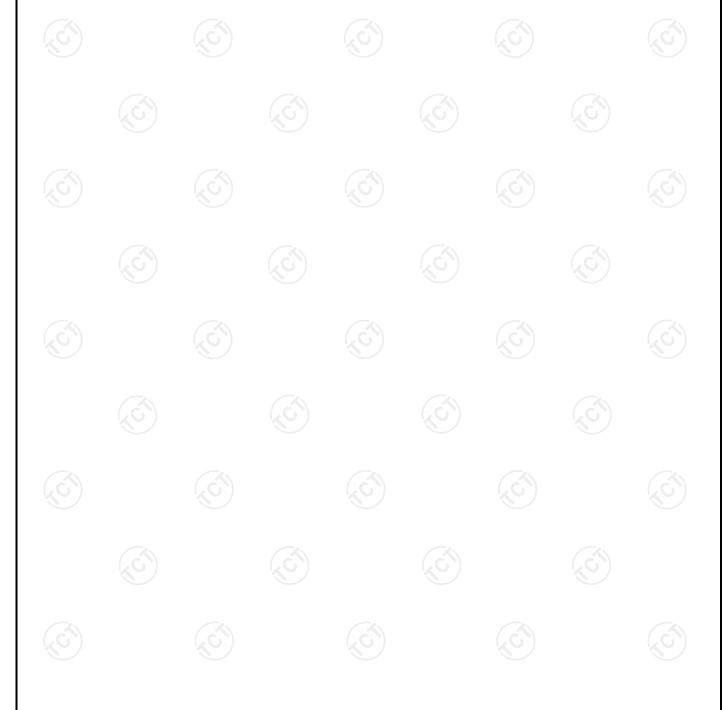
Test Requirement:	2.1046	on 15.407(a)& Part 2 J Section				
Test Method:	KDB662911 D01 Multiple Transmitter Output v02r01 KDB789033 D02 General UNII Test Procedures New Rules v02r01 Section E					
	Frequency Band (MHz)	Limit				
	5180 - 5240	24dBm(250mW) for client device				
Limit:	5260 - 5320 5470 - 5725	24dBm(250mW) or 11 dBm + 10 log B, B is the 26 dB emission bandwidth in megahertz 24dBm(250mW) or 11 dBm + 10 log B, B is the 26 dB emission				
	5745 - 5825	bandwidth in megahertz 30dBm(1W)				
Test Setup:	Power meter EUT					
Test Mode:	Transmitting mode v	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 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					

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5.3.2. Test Instruments

Equipment	Manufacturer	Model	Serial Number	Calibration Due
Spectrum Analyzer	Agilent	N9020A	MY49100619	Jun. 28, 2024
Power Meter	Agilent	E4418B	MY45100357	Jun. 27, 2024
Power Sensor	Agilent	8481A	MY41091497	Jun. 27, 2024
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 (S)

5.4.2. Test Instruments

Equipment	Manufacturer	Model	Serial Number	Calibration Due
Spectrum Analyzer	Agilent	N9020A	MY49100619	Jun. 28, 2024
Combiner Box	Ascentest	AT890-RFB	1 (0)	1 (3

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5.5. 26dB Bandwidth and 99% Occupied Bandwidth

5.5.1. Test Specification

47 CFR Part 15C Section 15.407 (a)& Part 2 J Section 2.1049
KDB662911 D01 Multiple Transmitter Output v02r01 KDB789033 D02 General UNII Test Procedures New Rules v02r01 Section D
No restriction limits
Spectrum Analyzer EUT
Transmitting mode with modulation
 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.
PASS

5.5.2. Test Instruments

Equipment	Manufacturer	Model	Serial Number	Calibration Due
Spectrum Analyzer	Agilent	N9020A	MY49100619	Jun. 28, 2024
Combiner Box	Ascentest	AT890-RFB	1 (3)	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. 				
PASS				

5.6.2. Test Instruments

Equipment	Manufacturer	Model	Serial Number	Calibration Due
Spectrum Analyzer	Agilent	N9020A	MY49100619	Jun. 28, 2024
Combiner Box	Ascentest	AT890-RFB		

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5.7. Band edge

5.7.1. Test Specification

Test Requirement:	FCC CFR47 Pa	rt 15E Sectio	n 15.407	ÇĆ			
Test Method:	ANSI C63.10 20	020					
	In un-restricted band: For Band 1&2A&2C: -27dBm/MHz For Band 3:						
	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 5720~5725	10~15.6 15.6~27	5875~5925 > 5925	10~-27 -27			
	E[dBµV/m] = EIR In restricted band:	P[dBm] + 95.2	2 @3m				
	Detec		Limit@				
	Peal		74dBµ				
	AVG	,	54dBµ	ıv/m			
Test Setup:	Ground Reference Place Test Receiver To Arts Fred Conto for						
Test Mode:	Transmitting mo	de with mod	ulation				
Test Procedure:	Transmitting mode with modulation 1. 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. 2. The EUT was set 3 meters away from the interference-receiving antenna, which was 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 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. 5. 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 quasipe	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	cified, ther of the EU sions that ted one by	ak mode we testing con testing con twould be did not have one using ied and the	uld be e peak,
Test	Result:	PASS					



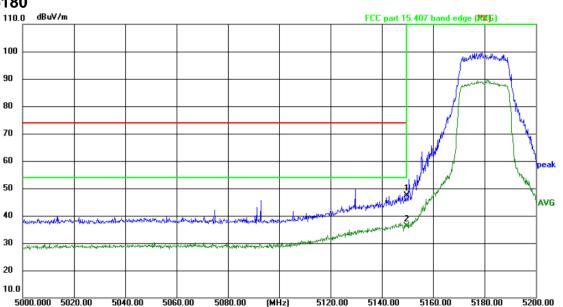


5.7.2. Test Instruments

	Radiated Er	nission Test Sit	e (966)	
Name of Equipment	Manufacturer	Model	Serial Number	Calibration Due
EMI Test Receiver	R&S	ESIB7	100197	Jun. 29, 2024
Spectrum Analyzer	R&S	FSQ40	200061	Jun. 29, 2024
Spectrum Analyzer	Agilent	N9020A	MY49100619	Jun. 28, 2024
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. 27, 2024
Loop antenna	Schwarzbeck	FMZB1519B	00191	Jul. 02, 2024
Broadband Antenna	Schwarzbeck	VULB9163	340	Jul. 01, 2024
Horn Antenna	Schwarzbeck	BBHA 9120D	631	Jul. 01, 2024
Horn Antenna	Schwarzbeck	BBHA 9170	00956	Feb. 02, 2025
Coaxial cable	SKET	RC-18G-N-M) 1	Jan. 31, 2025
Coaxial cable	SKET	RC_40G-K-M	/	Jan. 31, 2025
Antenna Mast	Keleto	CC-A-4M	(0)	1 (6)
EMI Test Software	Shurple Technology	EZ-EMC	1	1



5.7.3. Test Data AX20-5180



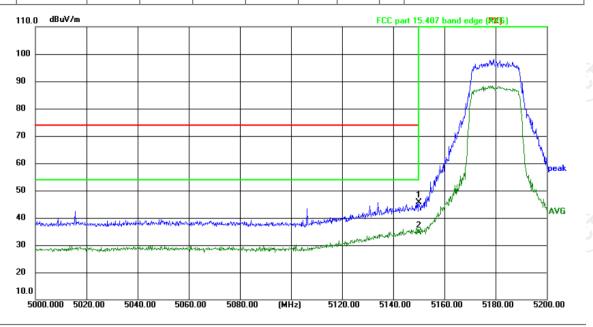
Site: 3m Anechoic Chamber Temperature: 22.9(°C) Humidity: 63 % Polarization: Horizontal

Limit: FCC part 15.407 band edge (PK)

Power: AC 120 V/60 Hz

Report No.: TCT240603E028

۲.		1 00 part 10						120 0700		
	No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F	Remark
	1	5150.000	56.69	-9.24	47.45	74.00	-26.55	peak	Р	
	2 *	5150.000	45.40	-9.24	36.16	54.00	-17.84	AVG	Р	



Site: 3m Anechoic Chamber Polarization: Vertical Temperature: 22.9(°C) Humidity: 63 %

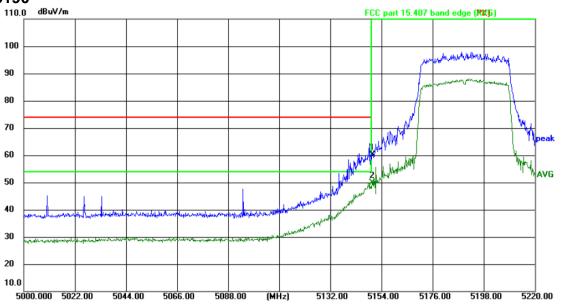
Limit: FCC part 15.407 band edge (PK)

Power: AC 120 V/60 Hz

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F	Remark
1	5150.000	54.79	-9.24	45.55	74.00	-28.45	peak	Р	
2 *	5150.000	43.94	-9.24	34.70	54.00	-19.30	AVG	Р	



AX40-5190

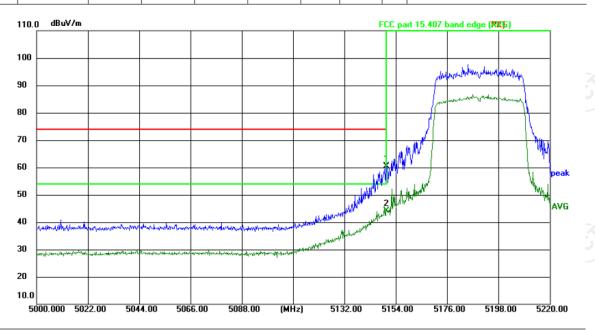


Site: 3m Anechoic Chamber Polarization: Horizontal Temperature: 22.9(°C) Humidity: 63 %

Limit: FCC part 15.407 band edge (PK)

Power:AC 120 V/60 Hz

No.	Frequency (MHz)			Level (dBuV/m)		Margin (dB)	Detector	P/F	Remark
1	5150.000	69.35	-9.24	60.11	74.00	-13.89	peak	Р	
2 *	5150.000	59.09	-9.24	49.85	54.00	-4.15	AVG	Р	



Site: 3m Anechoic Chamber Polarization: Vertical Temperature: 22.9(°C) Humidity: 63 %

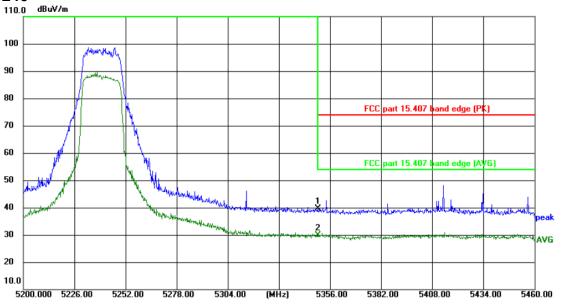
Limit: FCC part 15.407 band edge (PK)

Power:AC 120 V/60 Hz

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F	Remark
1	5150.000	69.55	-9.24	60.31	74.00	-13.69	peak	Р	
2 *	5150.000	53.38	-9.24	44.14	54.00	-9.86	AVG	Р	



AX20-5240

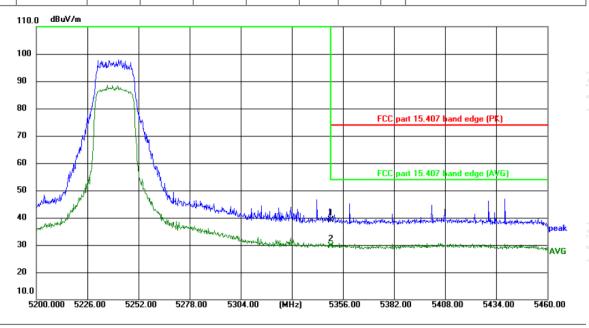


Site: 3m Anechoic Chamber Polarization: Horizontal Temperature: 22.9(°C) Humidity: 63 %

Limit: FCC part 15.407 band edge (PK)

Power: AC 120 V/60 Hz

	No.	Frequency (MHz)	Reading (dBuV)		Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F	Remark
	1	5350.000	47.88	-8.15	39.73	74.00	-34.27	peak	Р	
Ì	2 *	5350.000	37.92	-8.15	29.77	54.00	-24.23	AVG	Р	



Site: 3m Anechoic Chamber Polarization: Vertical Temperature: 22.9(°C) Humidity: 63 %

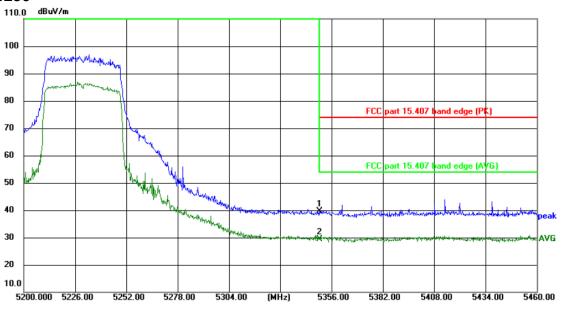
Limit: FCC part 15.407 band edge (PK)

Power: AC 120 V

No.	Frequency (MHz)	Reading (dBuV)		Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F	Remark	
1	5350.000	47.37	-8.15	39.22	74.00	-34.78	peak	Р		
2 *	5350.000	37.79	-8.15	29.64	54.00	-24.36	AVG	Р		



AX40-5230



Site: 3m Anechoic Chamber Polarization: Horizontal

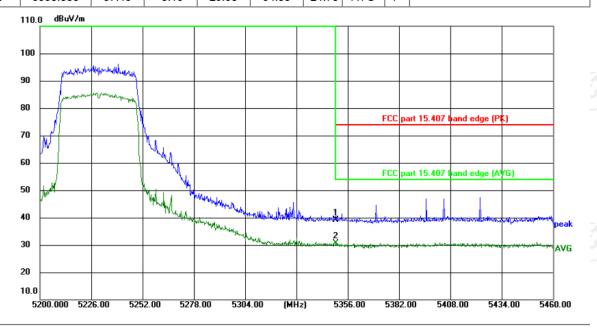
Temperature: 22.9(°C)

Humidity: 63 %

Limit: FCC part 15.407 band edge (PK)

Power: AC 120 V/60 Hz

	No.	Frequency (MHz)	Reading (dBuV)		Level (dBuV/m)		Margin (dB)	Detector	P/F	Remark
	1	5350.000	47.78	-8.15	39.63	74.00	-34.37	peak	Р	
ľ	2 *	5350.000	37.45	-8.15	29.30	54.00	-24.70	AVG	Р	



Site: 3m Anechoic Chamber

Polarization: Vertical

Temperature: 22.9(°C)

Humidity: 63 %

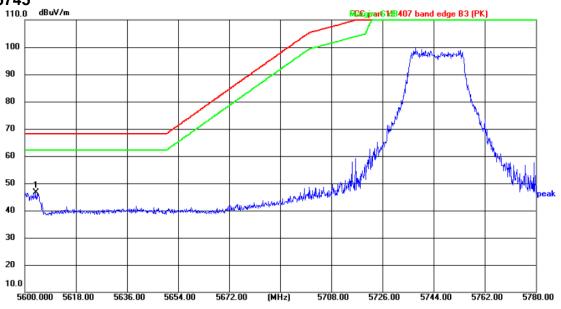
Limit: FCC part 15.407 band edge (PK)

Power: AC 120 V/60 Hz

No.	Frequency (MHz)	Reading (dBuV)		Level (dBuV/m)		Margin (dB)	Detector	P/F	Remark
1	5350.000	47.36	-8.15	39.21	74.00	-34.79	peak	Р	
2 *	5350.000	38.69	-8.15	30.54	54.00	-23.46	AVG	Р	



AX20-5745

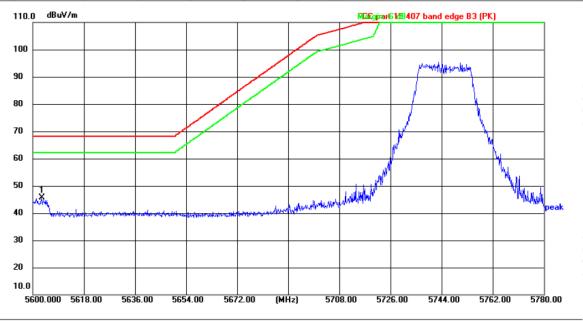


Site: 3m Anechoic Chamber Polarization: Horizontal Temperature: 22.9(°C) Humidity: 63 %

Limit: FCC part 15.407 band edge B3 (PK)

Power:AC 120 V/60 Hz

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F	Remark
1 *	5603.861	54.64	-7.91	46.73	68.20	-21.47	peak	Р	



Site: 3m Anechoic Chamber Polarization: Vertical Temperature: 22.9(°C) Humidity: 63 %

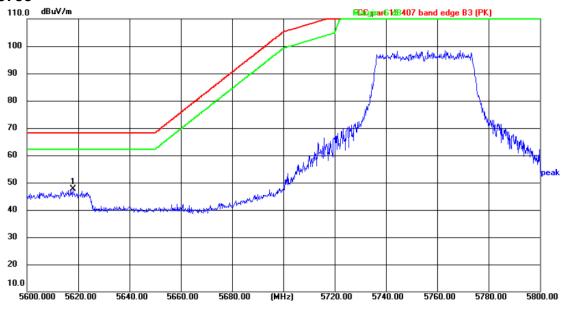
Limit: FCC part 15.407 band edge B3 (PK)

Power:AC 120 V/60 Hz

	No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F	Remark
d	1 *	5603.114	53.58	-7.93	45.65	68.20	-22.55	peak	Р	



AX40-5755

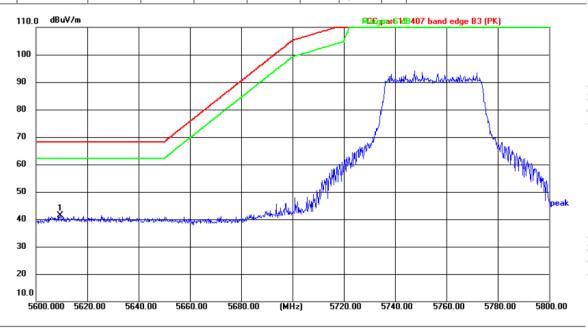


Site: 3m Anechoic Chamber Polarization: Horizontal Temperature: 22.9(°C) Humidity: 63 %

Limit: FCC part 15.407 band edge B3 (PK)

Power:AC 120 V/60 Hz

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F	Remark
1 *	5618.060	55.38	-7.71	47.67	68.20	-20.53	peak	Р	



Site: 3m Anechoic Chamber Polarization: Vertical Temperature: 22.9(°C) Humidity: 63 %

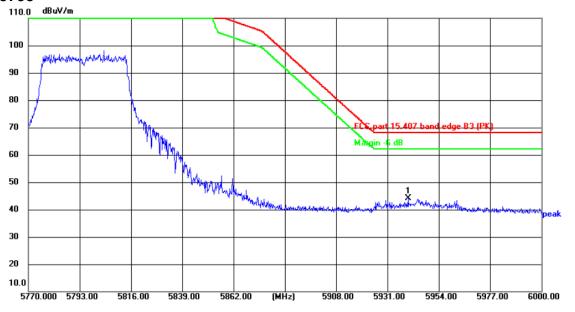
Limit: FCC part 15.407 band edge B3 (PK)

Power:AC 120 V/60 Hz

	No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F	Remark
I	1 *	5609.570	49.32	-7.85	41.47	68.20	-26.73	peak	Р	



AX40-5795

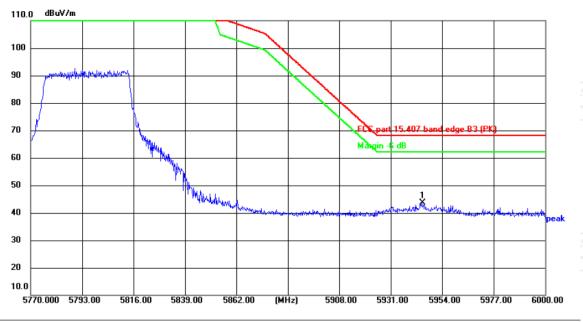


Site: 3m Anechoic Chamber Polarization: Horizontal Temperature: 22.9(°C) Humidity: 63 %

Limit: FCC part 15.407 band edge B3 (PK)

Power:AC 120 V/60 Hz

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F	Remark
1 *	5940.280	51.00	-6.84	44.16	68.20	-24.04	peak	Р	



Site: 3m Anechoic Chamber Polarization: Vertical Temperature: 22.9(°C) Humidity: 63 %

Limit: FCC part 15.407 band edge B3 (PK)

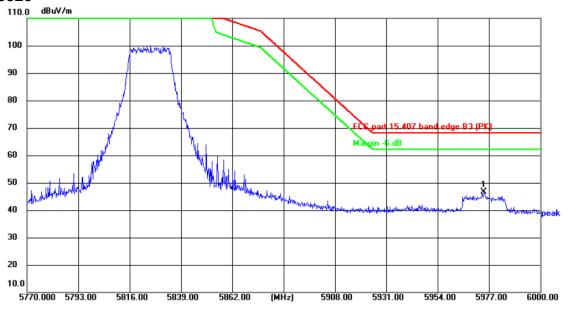
Power:AC 120 V/60 Hz

	No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F	Remark
(1 *	5945.180	50.35	-6.81	43.54	68.20	-24.66	peak	P	



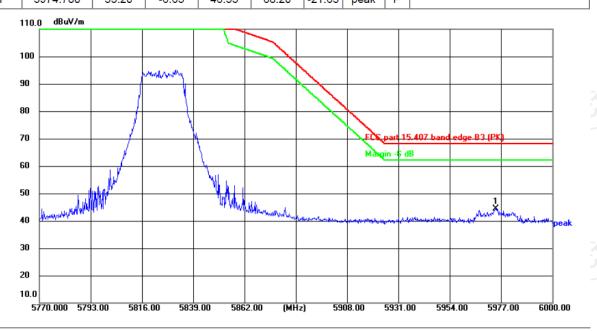
Humidity: 63 %

AX20-5825



Site: 3m Anechoic Chamber Polarization: Horizontal Temperature: 22.9(°C)

Limit: FCC part 15.407 band edge B3 (PK) Power: AC 120 V/60 Hz Reading Factor Level Limit Margin Frequency No. Detector P/F Remark (dBuV) (MHz) (dB/m) (dBuV/m) (dBuV/m) (dB) 1 * 5974.780 53.20 -6.65 46.55 68.20 -21.65 peak Ρ



Site: 3m Anechoic Chamber Polarization: Vertical Temperature: 22.9(°C) Humidity: 63 %

Limit: FCC part 15.407 band edge B3 (PK)

			•	,					
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F	Remark
1 *	5974.907	51.11	-6.65	44.46	68.20	-23.74	peak	Р	

Power: AC 120 V/60 Hz

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



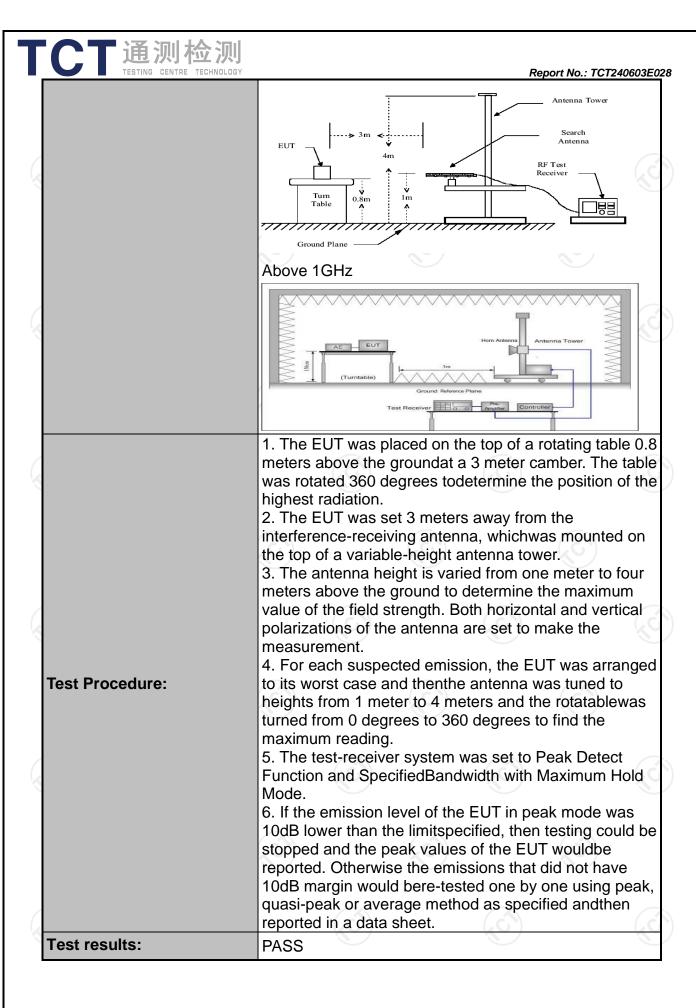
5.8. Unwanted Emissions

Report No.: TCT240603E028

5 9 1 Tost Specification

5.8.1	. Test	Speci	fication
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Test Requirement:	FCC CFR47 Part 15 Section 15.407 & 15.209 & 15.205 KDB 789033 D02 v02r01											
Test Method:	KDB 789033	D02 v02r	01									
Frequency Range:	9kHz to 40G	Hz										
Measurement Distance:	3 m		<u>(1)</u>		(3)							
Antenna Polarization:	Horizontal &	Vertical										
Operation mode:	Transmitting	mode with	h modulat	ion								
Receiver Setup:	Frequency 9kHz- 150kHz 150kHz- 30MHz 30MHz Above 1GHz	Detector Quasi-peak 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	t15.205 sł strength cands: cy G	Detection of the composition of	et forth i	Limit@3m 74dBµV/m 54dBµV/m Measurement Distance (meters) 300 3 30 3 3 3							
Test setup:	For radiated emissions below 30MHz Distance = 3m Computer Pre - Amplifier Receiver 30MHz to 1GHz											







5.8.2. Test Instruments

	Radiated Em	ission Test Site	e (966)	
Name of Equipment	Manufacturer	Model	Serial Number	Calibration Due
EMI Test Receiver	R&S	ESIB7	100197	Jun. 29, 2024
Spectrum Analyzer	R&S	FSQ40	200061	Jun. 29, 2024
Pre-amplifier	SKET	LNPA_0118G- 45	SK2021012 102	Jan. 31, 2025
Pre-amplifier	SKET	LNPA_1840G- 50	SK2021092 03500	Jan. 31, 2025
Pre-amplifier	HP	8447D	2727A05017	Jun. 27, 2024
Loop antenna	Schwarzbeck	FMZB1519B	00191	Jul. 02, 2024
Broadband Antenna	Schwarzbeck	VULB9163	340	Jul. 01, 2024
Horn Antenna	Schwarzbeck	BBHA 9120D	631	Jul. 01, 2024
Horn Antenna	Schwarzbeck	BBHA 9170	00956	Feb. 02, 2025
Antenna Mast	Keleto	RE-AM	1	
Coaxial cable	SKET	RC-18G-N-M	1	Jan. 31, 2025
Coaxial cable	SKET	RC_40G-K-M	/	Jan. 31, 2025
EMI Test Software	Shurple Technology	EZ-EMC		1 60

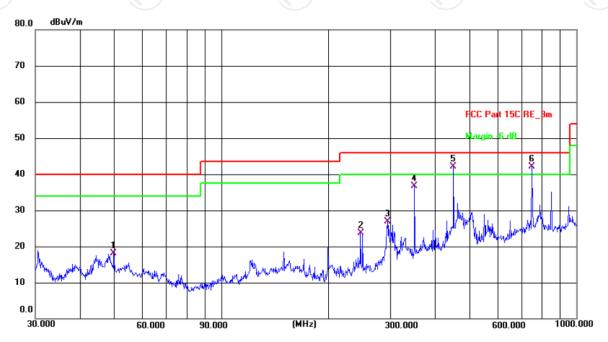


5.8.3. Test Data

Please refer to following diagram for individual

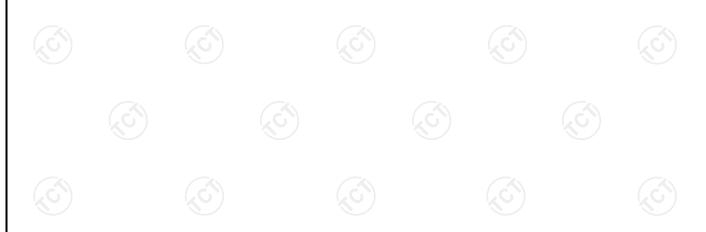
Below 1GHz

Horizontal:



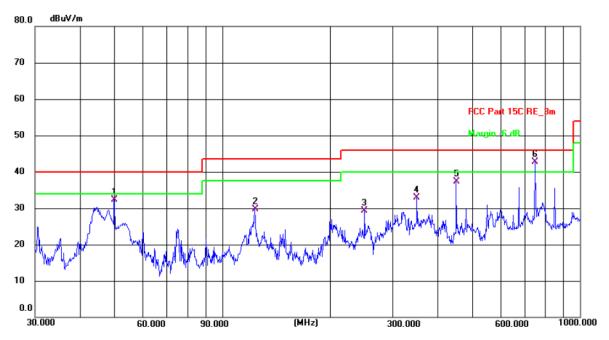
Temperature: 23.3(C) Humidity: 52 % Site 3m Anechoic Chamber2 Polarization: Horizontal

Limit: F	FCC Part 15C R	RE_3m							
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F	Remark
1	49.8813	36.61	-18.45	18.16	40.00	-21.84	QP	Р	
2	246.8147	42.55	-18.84	23.71	46.00	-22.29	QP	Р	
3	294.1136	43.94	-17.04	26.90	46.00	-19.10	QP	Р	
4	350.4766	53.08	-16.33	36.75	46.00	-9.25	QP	Р	
5 *	451.1349	55.44	-13.28	42.16	46.00	-3.84	QP	Р	
6 1	750 1082	48.87	-6.82	42.05	46.00	-3.95	OP	Р	





Vertical:



Site 3m Anechoic Chamber2 Polarization: Vertical Temperature: 23.3(C) Humidity: 52 %

Limit: FCC Part 15C RE_3m

Power: AC 120 V/ 60 Hz

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F	Remark
1	49.8814	50.82	-18.45	32.37	40.00	-7.63	QP	Р	
2	123.2654	48.48	-18.71	29.77	43.50	-13.73	QP	Р	
3	250.3009	48.05	-18.69	29.36	46.00	-16.64	QP	Р	
4	350.4766	49.27	-16.33	32.94	46.00	-13.06	QP	Р	
5	451.1350	50.60	-13.28	37.32	46.00	-8.68	QP	Р	
6 *	750.1082	49.46	-6.82	42.64	46.00	-3.36	QP	Р	

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), 802.11ax(HE20), 802.11ax(HE40) and the worst case Mode (Highest channel and 802.11a) was submitted only.
- 3.Measurement (dBμV) = Reading level + Correction Factor , correction Factor= Antenna Factor + Cable loss Pre-amplifier.



			Λ.	1odulation 1	Typo: Bond	1			
			IV	11a CH36:	* *	1			
		Peak	AV	Correctio					
Frequency	Ant. Pol. H/V	reading (dBµV)	reading (dBµV)	n Factor (dB/m)	Emission Level		Peak limit	AV limit	Margin
(MHz)					Peak	AV	(dBµV/m)	(dBµV/m)	(dB)
		` ' '		, ,	$(dB\mu V/m)$	(dBµV/m)			
10360	Н	38.13		8.02	46.15		68.2		-22.05
15540	Н	38.07	7-54	9.87	47.94	<u> </u>	74	54	-6.06
	H		40		<	J)		70-7	
10360	V	38.38		8.02	46.4		68.2		-21.8
15540	V	38.62		9.87	48.49	/	74	54	-5.51
70-7	V	(V O)		\)		(O)-		(70)
				11a CH40:	5200MHz				
Frequency (MHz)	Ant. Pol. H/V	Peak	AV	Correctio	Emissio	on Level	Peak limit	AV limit (dBµV/m) (dB)	Margin
		reading	reading	n Factor			(dBµV/m)		_
		(dBµV)	(dBµV)	(dB/m)	Peak (dBµV/m)	AV (dBµV/m)			
10400	Н	39.49		7.97	47.46		68.2		-20.74
15600	Н	39.34		9.83	49.17		74	54	-4.83
(C-)	Н	(₇ -5)		(₂ C		((C) } -		(, C)
						1			
10400	V	41.35		7.97	49.32		68.2		-18.88
15600	V	38.6		9.83	48.43		74	54	-5.57
	V		[:[G]		(, (`,`\		(,C ,2)	
				11a CH48:	5240MHz				
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBµV)	AV reading (dBµV)	Correction n Factor (dB/m)	Emission Level		Peak limit	AV limit	Margin
					Peak	AV	(dBµV/m)	(dBµV/m)	(dB)
		(αΒμν)	(αΒμν)	(GD/III)	(dBµV/m)	(dBµV/m)			
10480	Н	38.28		7.97	46.25		68.2		-21.95
15720	Н	37.85		9.83	47.68		74	54	-6.32
	H				(4-	
	(0)		KO				(0)		
10480	V	39.52		7.97	47.49		68.2		-20.71
15720	V	36.44		9.83	46.27		74	54	-7.73
<u> </u>	V	/ /							
			111	n(HT20) Ch	136: 5180M	lHz			
Frequency	Ant. Pol.	Peak	AV	Correctio	Emission Level		Peak limit	AV limit	Margin
(MHz)	H/V	reading	reading	n Factor			(dBµV/m)	(dBµV/m)	(dB)
, ,		(dBµV)	(dBµV)	(dB/m)	Peak (dBµV/m)	AV (dBµV/m)	` ' /	,	` ,
10360	H	41.26		8.02	49.28	J	68.2		-18.92
15540	Н	38.74		9.87	48.61		74	54	-5.39
	Н	<u></u> ,							<u></u> ,
(G)		(G)		(,c		((C)		(G)
10360	V	42.31		8.02	50.33		68.2		-17.87
15540	V	38.12		9.87	47.99		74	54	-6.01
	V								



Report No.: TCT240603E028 11n(HT20) CH40: 5200MHz Peak ΑV Correctio Ant. Pol. **Emission Level** Peak limit **AV limit** Frequency Margin reading reading n Factor H/V $(dB\mu V/m)$ (MHz) (dBµV/m) (dB) ΑV (dBµV) (dBµV) (dB/m) Peak $(dB\mu V/m) \mid (dB\mu V/m)$ 10400 Η 40.13 7.97 48.1 68.2 -20.1 15600 38.39 Η ---9.83 48.22 ---74 54 -5.78Н ------10400 V 40.55 7.97 48.52 68.2 -19.68 15600 38.02 9.83 47.85 74 54 -6.15 ٧ -------------11n(HT20) CH48: 5240MHz Peak ΑV Correctio **Emission Level** Frequency Ant. Pol. Peak limit **AV** limit Margin reading n Factor reading (MHz) H/V $(dB\mu V/m)$ (dBµV/m) (dB) A۷ (dBµV) (dBµV) (dB/m) Peak $(dB\mu V/m)$ $(dB\mu V/m)$ 10480 H 41.71 7.97 49.68 -18.5268.2 15720 Н 40.43 ---9.83 50.26 ---74 54 -3.74 Н 10480 ٧ 41.65 7.97 49.62 68.2 -18.58٧ 15720 40.12 ---9.83 49.95 74 54 -4.05----------------------11n(HT40) CH38: 5190MHz Peak ΑV Correctio Ant. Pol. **Emission Level** Peak limit **AV limit** Margin Frequency reading reading n Factor H/V $(dB\mu V/m)$ $(dB\mu V/m)$ (MHz) (dB) (dBµV) (dBµV) (dB/m) Peak ΑV (dBµV/m) (dBµV/m) 10380 Н 39.02 7.75 46.77 68.2 -21.43 15570 Η 37.94 9.87 47.81 74 54 -6.19Н ------10380 ٧ 40.98 ---7.75 48.73 68.2 -19.4715570 V 38.12 9.87 47.99 74 54 -6.01 11n(HT40) CH46: 5230MHz ΑV Correctio Peak **Emission Level** Ant. Pol. Peak limit **AV** limit Frequency Margin reading reading n Factor (MHz) H/V (dBµV/m) (dBµV/m) (dB) (dB/m) Peak ΑV (dBµV) (dBµV) (dBµV/m) (dBµV/m) 10460 Н 41.25 7.97 49.22 68.2 -18.98 15690 Н 39.81 9.83 49.64 74 54 -4.36 H ---------------------------10460 V 42.46 7.97 50.43 68.2 -17.77 15690 ٧ 9.83 39.13 48.96 74 54 -5.04٧ ---



Report No.: TCT240603E028 11ac(VHT20) CH36: 5180MHz Peak ΑV Correctio Ant. Pol. **Emission Level** Peak limit **AV limit** Frequency Margin reading reading n Factor H/V $(dB\mu V/m)$ (MHz) (dBµV/m) (dB) ΑV (dBµV) (dBµV) (dB/m) Peak (dBµV/m) (dBµV/m) 10360 Η 41.44 8.02 49.46 68.2 -18.7415540 Η 37.15 ---9.87 47.02 ---74 54 -6.98Н ---------V 10360 38.63 8.02 68.2 46.65 -21.55 15540 40.19 9.87 50.06 74 54 -3.94 ٧ ----------------11ac(VHT20) CH40: 5200MHz Peak ΑV Correctio **Emission Level** Frequency Ant. Pol. Peak limit **AV** limit Margin n Factor reading reading (MHz) H/V $(dB\mu V/m)$ (dBµV/m) (dB) A۷ (dBµV) (dBµV) (dB/m) Peak $(dB\mu V/m)$ $(dB\mu V/m)$ 47.21 10400 H 39.24 7.97 -20.99 68.2 Н 15600 39.01 ---9.83 48.84 ---74 54 -5.16 Н 10400 ٧ 40.18 7.97 48.15 68.2 -20.05٧ 15600 38.07 9.83 47.9 74 54 -6.1 -------------------------11ac(VHT20) CH48:5240 ΑV Peak Correctio Frequency Ant. Pol. **Emission Level** Peak limit **AV limit** Margin reading reading n Factor H/V $(dB\mu V/m)$ (dBµV/m) (MHz) (dB) (dBµV) (dBµV) (dB/m) Peak ΑV (dBµV/m) (dBµV/m) 10480 Н 38.39 7.97 46.36 68.2 -21.84 15720 Η 38.02 9.83 47.85 74 54 -6.15Н ------10480 ٧ 39.156 ---7.97 47.126 68.2 -21.074 15720 V 38.63 9.83 74 48.46 54 -5.54 ---11ac(VHT40) CH38:5190 ΑV Correctio Peak **Emission Level** Ant. Pol. Peak limit **AV** limit Frequency Margin reading reading n Factor (MHz) H/V (dBµV/m) (dBµV/m) (dB) (dB/m) Peak ΑV (dBµV) (dBµV) (dBµV/m) (dBµV/m) 10380 Н 40.27 7.75 68.2 -20.18 48.02 15570 Н 40.14 9.87 50.01 74 54 -3.99 H ---------------------------10380 V 39.31 7.75 47.06 68.2 -21.14 15570 ٧ 9.87 38.55 48.42 74 54 -5.58٧

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10480

15720

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39.34

39.08

Report No.: TCT240603E028 11ac(VHT40) CH46:5230 Peak ΑV Correctio Ant. Pol. **Emission Level** Peak limit **AV limit** Frequency Margin n Factor reading reading H/V $(dB\mu V/m)$ (MHz) $(dB\mu V/m)$ (dB) ΑV (dBµV) (dBµV) (dB/m) Peak (dBµV/m) $(dB\mu V/m)$ 10460 Н 38.77 7.97 46.74 68.2 -21.46 15690 Н 39.15 9.83 -5.02 ---48.98 ---74 54 Н ------10460 V 40.56 7.97 48.53 68.2 -19.67 37.13 15690 9.83 46.96 74 54 -7.04 ٧ ---------------11ax(HE20) CH36: 5180MHz Peak ΑV Correctio Ant. Pol. **Emission Level** Peak limit **AV limit** Margin Frequency n Factor reading reading H/V (dBµV/m) (dBµV/m) (dB) (MHz) A۷ (dBµV) Peak (dBµV) (dB/m) (dBµV/m) (dBµV/m) 10360 H 41.24 8.02 49.26 68.2 -18.94 54 15540 H 37.51 9.87 47.38 74 -6.62---Н ------------------------10360 68.2 38.15 8.02 46.17 -22.03 ---٧ 15540 40.52 ---9.87 50.39 ---74 54 -3.61٧ 11ax(HE20) CH40: 5200MHz Peak AV Correctio **Emission Level** Ant. Pol. Peak limit **AV** limit Frequency Margin n Factor reading reading (MHz) H/V $(dB\mu V/m)$ $(dB\mu V/m)$ (dB) ΑV (dBµV) (dBµV) (dB/m) Peak (dBµV/m) (dBµV/m) 47.93 10400 Η 39.96 7.97 68.2 -20.2715600 Н 39.23 9.83 49.06 74 54 -4.94Η 10400 40.02 7.97 47.99 68.2 -20.21 15600 V 38.38 9.83 -4-48.21 **}---**74 54 -5.79 ٧ 11ax(HE20) CH48:5240 Peak ΑV Correctio **Emission Level** Ant. Pol. Peak limit **AV limit** Frequency Margin reading n Factor reading (MHz) H/V (dBµV/m) (dBµV/m) (dB) ΑV (dBµV) (dBµV) (dB/m) Peak (dBµV/m) (dBµV/m) 10480 Н 38.27 7.97 46.24 -21.96 68.2 H 48.08 74 -5.92 15720 38.25 9.83 54 --4 ---H ياد ------

-20.89

-5.09

54

68.2

74

7.97

9.83

47.31

48.91



	TESTING	CENTRE TECHNOI					Rep	ort No.: TCT2	40603E028
			1	1ax(HE40)	CH38:519	0	7.00		100002020
Frequency		Peak reading	AV reading	Correctio n 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)
10380	Н	40.25		7.75	48		68.2		-20.2
15570	Н	40.11		9.87	49.98		74	54	-4.02
	Н								
						74			
10380	V	39.33	420	7.75	47.08	O`)	68.2	(2G+2)	-21.12
15570	V	38.41		9.87	48.28		74	54	-5.72
	V								
			1	1ax(HE40)	CH46:523	0			
Frequency	Ant. Pol.	Peak reading	AV reading	Correctio n Factor	Emissio	n Level	Peak limit	AV limit	Margin (dB)
(MHz)	H/V	(dBµV)	(dBµV)	(dB/m)	Peak (dBµV/m)	AV (dBµV/m)	(dBµV/m)	(dBµV/m)	
10460	H	38.03	- -	7.97	46		68.2	(-22.2
15690	H	39.19		9.83	49.02)	74	54	-4.98
	Н								
10460	V	40.51		7.97	48.48		68.2		-19.72
15690	V	37.62		9.83	47.45		74	54	-6.55

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 1	Гуре: Band	3			
): 5745MHz				
Frequency	Ant. Pol.	Peak reading	AV reading	Correctio n 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	39.45		8.09	47.54		74	54	-6.46
17235	H	37.91		9.67	47.58	Z	68.2		-20.62
	H		12 0		(,	(``رُ		(C	
				7					
11490	V	41.57		8.09	49.66		74	54	-4.34
17235	V	39.45		9.67	49.12		68.2		-19.08
	V			(.c		(<u></u>		
				11a CH157	': 5785MHz				
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBµV)	AV reading (dBµV)	Correctio n Factor (dB/m)	Peak	on Level AV	Peak limit (dBµV/m)	AV limit (dBµV/m)	Margin (dB)
					(dBµV/m)	(dBµV/m)			
11570	Н	39.05		8.10	47.15		74	54	-6.85
17355	Н	38.32		9.65	47.97		68.2		-20.23
	Н					/			
		(0)							(30)
11570	V	38.03		8.10	46.13		74	54	-7.87
17355	V	40.19		9.65	49.84		68.2		-18.36
	V		7 (4)		/	Z		<u> </u>	
				11a CH165	: 5825MHz				
Frequency	Ant. Pol.	Peak	AV	Correctio	Emissio	on Level	Peak limit	AV limit	Margin
(MHz)	H/V	reading (dBµV)	reading (dBµV)	n Factor (dB/m)	Peak (dBµV/m)	AV (dBµV/m)	(dBµV/m)	(dBµV/m)	(dB)
11650	Н	37.47		8.12	45.59		74	54	-8.41
17475	Н	36.24		9.62	45.86		68.2		-22.34
	H.		,			_,			
	(.c.)		(.c)			ci l		(.c.)	
11650	V	39.01		8.12	47.13	<i></i>	74	54	-6.87
17475	V	38.68		9.62	48.3		68.2		-19.9
	V								
			11r	(HT20) CH	149: 5745N	ЛHz			
Frequency	Ant. Pol.	Peak reading	AV reading	Correctio n 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	K H /	39.29	- <u>K</u> O	8.09	47.38) 	74	54	-6.62
17235	Н	38.56		9.67	48.23		68.2		-19.97
	Н								
		(A)			Ž\		- A1	<u> </u>	(K)
11490	V	40.13		8.09	48.22		74	54	-5.78
1 1 100					/				
17235	V	38.22		9.67	47.89		68.2		-20.31



			11n	(HT20) CH	157: 5785N	ИHz			
Frequency (MHz)	Ant. Pol. H/V	Peak reading	AV reading	Correctio n Factor		on Level	Peak limit (dBµV/m)	AV limit (dBµV/m)	Margin (dB)
(IVII IZ)	1 1/ V	(dBµV)	(dBµV)	(dB/m)	Peak (dBµV/m)	AV (dBµV/m)	(αΒμν/ΙΙΙ)	(αΒμ ۷/111)	(db)
11570	Н	38.57		8.10	46.67		74	54	-7.33
17355	Н	39.14		9.65	48.79		68.2		-19.41
	Н		-7/4			Z			
	(C)		(20)			3)		(C)	
11570	V	39.26		8.10	47.36	/ 	74	54	-6.64
17355	V	39.11		9.65	48.76		68.2		-19.44
	V								,
				(HT20) CH	165: 5825N	ЛHz			
Frequency (MHz)	Ant. Pol. H/V	Peak reading	AV reading	Correction n Factor	Emissio	Peak limit		AV limit	Margin
(IVITIZ)	⊓/ V	(dBµV)	(dBµV)	(dB/m)	Peak (dBµV/m)	AV (dBµV/m)	(dBµV/m)	(dBµV/m)	(dB)
11650	H	39.18		8.12	47.3)	74	54	-6.7
17475	Н	37.49		9.62	47.11		68.2		-21.09
	Н								
11650	V	38.51		8.12	46.63		74	54	-7.37
17475	V	39.02		9.62	48.64		68.2		-19.56
	V								
			11n	(HT40) CH	151: 5755N	ЛHz			
Frequency	Ant. Pol.	Peak reading	AV reading	Correction n 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)
11510	Н	41.05		8.09	49.14		74	54	-4.86
17265	Н	37.91		9.67	47.58		68.2		-20.62
	H								
				<u> </u>					
11510	V	42.86	4.0	8.09	50.95		74	54	-3.05
17265	V	39.03		9.67	48.7	<u> </u>	68.2		-19.5
	V								
			11n	(HT40) CH	159: 5795N	ЛНz			
Frequency	Ant. Pol.	Peak	AV	Correctio	Emissio	on Level	Peak limit	AV limit	Margin
(MHz)	H/V	reading (dBµV)	reading (dBµV)	n Factor (dB/m)	Peak	AV	(dBµV/m)	(dBµV/m)	(dB)
					(dBµV/m)	(dBµV/m)			
11590	Н	39.66	7-6	8.10	47.76		74	54	-6.24
17385	H	38.43		9.65	48.08	٧)	68.2		-20.12
	Н								
						T			
11590	V	39.02		8.10	47.12		74	54	-6.88
17385	V	38.11		9.65	47.76		68.2		-20.44
	V								



Report No.: TCT240603E028 11ac(VHT20) CH149: 5745MHz Peak ΑV Correctio Ant. Pol. **Emission Level** Peak limit **AV limit** Frequency Margin reading reading n Factor H/V $(dB\mu V/m)$ (MHz) (dBµV/m) (dB) ΑV (dBµV) (dBµV) (dB/m) Peak (dBµV/m) (dBµV/m) 11490 Η 41.31 8.09 49.4 74 54 -4.617235 Н 38.65 ---9.67 48.32 ---68.2 ----19.88Н ---------------11490 V 40.59 1__ 8.09 48.68 74 -5.32 54 17235 39.15 9.67 48.82 68.2 -19.38 ٧ ----------------11ac(VHT20) CH157: 5785MHz Peak ΑV Correctio **Emission Level** Frequency Ant. Pol. Peak limit **AV** limit Margin n Factor reading reading (MHz) H/V $(dB\mu V/m)$ (dBµV/m) (dB) A۷ (dBµV) (dBµV) (dB/m) Peak $(dB\mu V/m)$ $(dB\mu V/m)$ 46.27 74 -7.73 11570 H 38.17 8.10 54 Н 17355 36.64 ---9.65 46.29 ---68.2 -54 -21.91 Н 11570 ٧ 38.28 8.10 46.38 74 54 -7.62٧ 17355 38.06 ---9.65 47.71 68.2 -20.49----------------------------11ac(VHT20) CH165: 5825MHz Peak ΑV Correctio Frequency Ant. Pol. **Emission Level** Peak limit **AV limit** Margin reading reading n Factor H/V $(dB\mu V/m)$ (MHz) $(dB\mu V/m)$ (dB) (dBµV) (dBµV) (dB/m) Peak ΑV (dBµV/m) (dBµV/m) 11650 Н 40.06 8.12 48.18 74 -5.8254 17475 Η 38.82 9.62 48.44 68.2 -19.76 ---Н ---------11650 ٧ 39.33 ---8.12 47.45 ---74 -6.55 54 17475 V 40.89 9.62 50.51 68.2 -17.6911ac(VHT40) CH151: 5755MHz ΑV Correctio Peak **Emission Level** Ant. Pol. Peak limit **AV** limit Frequency Margin reading reading n Factor (MHz) H/V (dBµV/m) (dBµV/m) (dB) (dB/m) Peak ΑV (dBµV) (dBµV) (dBµV/m) (dBµV/m) 11510 Н 39.77 8.09 47.86 74 54 -6.14 17265 Н 38.94 9.67 48.61 68.2 -19.59H ---------------------------11510 V 40.05 8.09 48.14 74 54 -5.86 ------17265 ٧ 9.67 36.82 46.49 68.2 ----21.71 ٧ ---



	TESTING	CENTRE TECHNOL	OGY				Repo	rt No.: TCT24	0603E028	
			11ac	(VHT40) C	H159: 5795	MHz				
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBµV)	AV reading (dBµV)	Correctio n Factor (dB/m)	Emission Peak (dBµV/m)	AV (dBµV/m)	Peak limit (dBµV/m)	AV limit (dBµV/m)	Margin (dB)	
11590	Τ	40.29		8.10	48.39		74	54	-5.61	
17385	Н	38.65		9.65	48.3		68.2		-19.9	
	Η									
						Z				
11590	V	39.73	₩O.	8.10	47.83	(``ر	74	54	-6.17	
17385	٧	38.11		9.65	47.76	/ <u></u>	68.2		-20.44	
	V									
			11a:	x(HE20) CH	1149: 5745	MHz				
Frequency (MHz)	Ant. Pol. H/V	Peak reading	AV reading	Correctio n Factor		Emission Level Peak limit (dBµV/m)		AV limit (dBµV/m)	Margir (dB)	
(111112)	11/ 0	(dBµV)	(dBµV)	(dB/m)	Peak (dBµV/m)	AV (dBµV/m)	(αΣμ ν/ιιι)	(αΒμ ۷/111)	(a <i>b</i>)	
11490	H	39.45	+0	8.09	47.54	<u></u>	74	54	-6.46	
17235	H	38.38		9.67	48.05	<i></i>	68.2	\	-20.15	
	Н									
					Tr.	•		•		
11490	V	40.91		8.09	49	(74	54	-5	
17235	V	39.14		9.67	48.81	'	68.2		-19.39	
	V									
			11a:	x(HE20) Ch	1157: 5785	MHz				
Frequency (MHz)	Ant. Pol. H/V	Peak reading	AV reading	Correctio n Factor	Emissio	on Level	Peak limit (dBµV/m)	AV limit (dBµV/m)		
(IVII IZ)	1 1/ V	(dBµV)	(dBµV)	(dB/m)	Peak (dBµV/m)	AV (dBµV/m)	(ασμν/ιιι)	(αΒμ ۷/111)	(dB)	
11570	Η	38.25		8.10	46.35		74	54	-7.65	
17355	Н	36.32		9.65	45.97		68.2		-22.23	
<u></u>	Н						<u></u>			
11570	V	38.7		8.10	46.8	Z	74	54	-7.2	
17355	V	39.43	42C)	9.65	49.08	5`)	68.2	(C_{-})	-19.12	
	V					/				
			11a:	x(HE20) CH	1165: 58251	MHz				
Frequency (MHz)	Ant. Pol. H/V	Peak reading	AV reading	Correction n Factor		on Level	Peak limit (dBµV/m)	AV limit (dBµV/m)	Margir (dB)	
(IVII IZ)	Γ1/ V	(dBµV)	(dBµV)	(dB/m)	Peak (dBµV/m)	AV (dBµV/m)	(ασμν/ιιι)	(ασμ ν/ιτι)	(ub)	
11650	Τ	40.36	-	8.12	48.48		74	54	-5.52	
17475	H	38.01	+6	9.62	47.63		68.2		-20.57	
	H)				
11650	V	39.99		8.12	48.11		74	54	-5.89	
17475	V	40.07		9.62	49.69	/	68.2		-18.51	
70 <u>-7</u>	V)		(O]_		<u> </u>	



	TESTING CENTRE TECHNOLOGY Report No.: TCT240603E028								
			11a:	x(HE40) CH	1151: 5755I	MHz			
Frequency (MHz)	Ant. Pol.	Ant. Pol. Peak reading	AV reading	Correctio n Factor	Emissio	on Level	Peak limit		Margin (dB)
(1011 12)	1 1/ V	(dBµV)	(dBµV)	(dB/m)	Peak (dBµV/m)	AV (dBµV/m)	(ασμ ν/ιιι)	(αΒμ ۷/ΙΙΙ)	(db)
11510	Н	39.33		8.09	47.42	/	74	54	-6.58
17265	Н	38.41		9.67	48.08		68.2		-20.12
	Н								
						Z\			
11510	V	40.88	[X O]	8.09	48.97	(``ر	74	54	-5.03
17265	٧	36.45		9.67	46.12		68.2	<u> </u>	-22.08
	V								
			11a:	x(HE40) CH	1159: 5795	MHz			
Frequency	Ant. Pol.	I reading I readin		Correction n Factor	Emission Level		Peak limit		Margin
(MHz)	H/V	(dBµV)	(dBµV)	(dB/m)	Peak	AV	(dBµV/m)	(dBµV/m)	(dB)
					(dBµV/m)	(dBµV/m)			
11590	H	40.02	-	8.10	48.12		74	54	-5.88
17385	Н	38.55		9.65	48.2	J	68.2	<u></u>	-20
	Н								
								•	
11590	V	39.31		8.10	47.41	/	74	54	-6.59
17385	V	38.56		9.65	48.21		68.2		-19.99
	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

FCC Part15 Section 15.407(g) &Part2 J Section 2.1055					
ANSI C63.10: 2020					
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.					
Spectrum Analyzer EUT AC/DC Power supply					
The EUT was placed inside the environmental test chamber and powered by nominal AC/DC voltage. but 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. If 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.					
PASS					
Pre-scan was performed at all models(11a,11n,11ac, 11ax), the worst case (11ac) was found and test data was shown in this report.					



Report No.: TCT240603E028

Test plots as follows:

Test mode:	802.11ac(\	/HT20)	Freque	ency(MHz):): 5180		
Temperature (°C)	Voltage(V _{AC})	Measure	Measurement			Result	
Temperature (C)	voitage(vac)	Frequenc	y(MHz)	Frequency(I	Hz)	Nesuit	
45		518	0	0		PASS	
35		5180	.02	20000		PASS	
25	120V	518	5180			PASS	
15		5180		0		PASS	
5		5179.	.98	-20000		PASS	
0		518	0	0		PASS	
	102V	518	0	0		PASS	
25	120V	518	0	0)	PASS	
	138V	5179.	.98	-20000		PASS	

Test mode:	Test mode: 802.11ac(VHT			ency(MHz):		5200	
Temperature (°C)	Voltage(V _{AC})	Measu		Delta		Result	
Temperature (O)	voltage(vac)	Frequen	cy(MHz)	Frequency(F	łz)	resuit	
45		5200	0.02	20000		PASS	
35		5200	2.02	20000	\	PASS	
25	120V	52	00	0)	PASS	
15		52	00	0		PASS	
5		5200	0.02	20000		PASS	
0	(c)	52	00	0		PASS	
	102V	52	00	0	N.	PASS	
25	120V	5200	0.02	20000		PASS	
	138V	5200		0		PASS	

Test mode:	802	2.11ac(\	/HT20)	Freque	ency(M	Hz):	5240
Temperature (°C)	Voltage	(VAC)	Measurement Frequency(MHz)			Delta ency(Hz)	Result
45 (C)		5240		<i></i>	(0)	0	PASS
35			52	40	0		PASS
25	120V		5240			0	PASS
15			5240			0	PASS
5				5240		0	PASS
0			52	5240		0	PASS
	102	V	5240	0.04	4	0000	PASS
25	120	V	5240	0.02	2	0000	PASS
	138	V	52	40		0	PASS





Test mode:	802.11ac(\	/HT20)	Freque	ency(MHz):	5745		
Temperature (°C)	Voltage(V _{AC})	Measure	Measurement			Result	
Temperature (C)	voltage(vac)	Frequency	Frequency(MHz)		(Hz)	Nesuit	
45		574	5	0		PASS	
35		5744.	98	-20000		PASS	
25	120V	574	5745			PASS	
15	1200	5745		0		PASS	
5		5744.	98	-20000		PASS	
0		5744.	98	-20000		PASS	
	102V	574	5	0		PASS	
25	120V	5744.	98	-20000		PASS	
(C_{\bullet})	138V	574	5	0,0		PASS	O

Test mode:	802.11ac(\	VHT20) Frequ	ency(MHz):	: 5785		
Temperature (°C)	Voltage(VAC)	Measurement Frequency(MHz)	Delta Frequency(Hz)	Result		
45		5784.98	-20000	PASS		
35		5784.98	-20000	PASS		
25	(120)/	5784.98	-20000	PASS		
15	120V	5784.98	-20000	PASS		
5		5784.98	-20000	PASS		
0		5784.98	-20000	PASS		
	102V	5784.98	-20000	PASS		
25	120V	5785	0	PASS		
	138V	5785	0	PASS		

Test mode:	802.11ac(VHT20) Frequ	uency(MHz):	5825
Temperature (°C)	Voltage(V _{AC})	Measurement Frequency(MHz	Delta) Frequency(Hz)	Result
45	45 5824.98		-20000	PASS
35		5824.98	-20000	PASS
25	120V	5825	0	PASS
15	1200	5824.98	-20000	PASS
5		5824.98	-20000	PASS
0		5824.98	-20000	PASS
	102V	5824.98	-20000	PASS
25	120V	5824.98	-20000	PASS
	138V	5824.98	-20000	PASS





Test mode:	802.11ac(\	/HT40) Freque		Frequency(MHz):		5190	
Temperature (°C)	Voltage(V _{AC})	Measurement		Delta		Result	
Temperature (C)	voitage(vac)	Frequency(MHz)		Frequency(Hz)			
45		5190		0		PASS	
35		519	90	0		PASS	
25	120V	5190		0		PASS	
15	1200	519	90	0		PASS	
5 (0)		5190		0		PASS	
0		519	90	0		PASS	
	102V	519	90	0		PASS	
25	120V	519	90	0	()	PASS	7
$(C_{\mathcal{O}})$	138V	519	90	0		PASS	O

Test mode:	802.11ac(\	/HT40)	Freque	ency(MHz):		5230	
Temperature (°C)	Voltage(VAC)	Measurement Frequency(MHz)		Delta Frequency(Hz)		Result	
45		5230		0		PASS	
35		523	30	0		PASS	
25	120V	5230		0		PASS	
15	1200	5230.04		40000		PASS	
5		523	30	0		PASS	
0		5230		0		PASS	
	102V	523	30	0		PASS	
25	120V	523	30	0		PASS	
	138V	5230).04	40000		PASS	

Test mode:	802.11ac(\	/HT40) Freque	ency(MHz):	5755
Temperature (°C)	Voltage(V _{AC})	Measurement Frequency(MHz)	Delta Frequency(Hz)	Result
45		5755	0	PASS
35		5754.96	-40000	PASS
25	120V	5755	0	PASS
15	1200	5755	0	PASS
5		5755	0	PASS
0		5755	0	PASS
	102V	5755	0	PASS
25	120V	5754.96	-40000	PASS
	138V	5755	0	PASS



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Test mode:	802.11ac	802.11ac(VHT40) F		ency(MHz):	5795	5795	
Temperature (°C)	Voltage(V _{AC})		rement cy(MHz)	Delta Frequency(H	Hz) Res	ult	
45	(.c.)	57	'95	0	PAS	SS	
35		57	'95	0	PAS	SS	
25	120V	57	'95	0	PAS	SS	
15	1200	57	'95	- 0	PAS	SS	
5		57	'95	0	PAS	SS	
0		579	4.96	-40000	PAS	SS	
	102V	57	5795 0		PAS	SS	
25	120V	579	4.96	-40000	PAS	SS	
$(\mathcal{A}_{\mathcal{O}_{\mathcal{I}}})$	138V	579	4.96	-40000	PAS	SS	
					-		







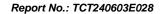
Appendix A: Test Result of Conducted Test

Duty Cycle

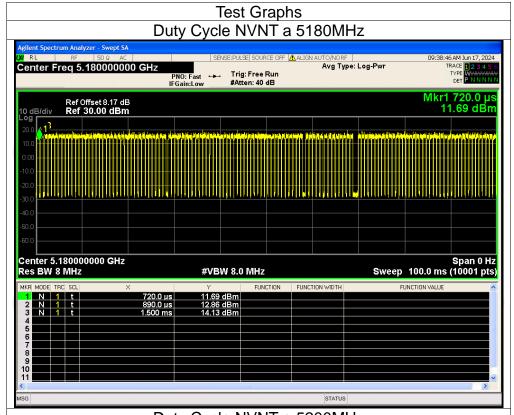
		Duty (-yci c	(.c.)
Condition	Mode	Frequency (MHz)	Duty Cycle (%)	Correction Factor (dB)
NVNT	а	5180	81.92	0.87
NVNT	а	5200	84.29	0.74
NVNT	а	5240	84.19	0.75
NVNT	n20	5180	95.45	0.20
NVNT	n20	5200	96.69	0.15
NVNT	n20	5240	97.10	0.13
NVNT	n40	5190	96.50	0.15
NVNT	n40	5230	97.89	0.09
NVNT	ac20	5180	95.74	0.19
NVNT	ac20	5200	96.59	0.15
NVNT	ac20	5240	97.32	0.12
NVNT	ac40	5190	96.54	0.15
NVNT	ac40	5230	97.90	0.09
NVNT	ax20	5180	95.44	0.20
NVNT	ax20	5200	95.87	0.18
NVNT	ax20	5240	96.05	0.18
NVNT	ax40	5190	96.79	0.14
NVNT	ax40	5230	96.49	0.16
NVNT	а	5745	96.06	0.17
NVNT	а	5785	95.25	0.21
NVNT	а	5825	90.67	0.43
NVNT	n20	5745	99.10	0
NVNT	n20	5785	98.72	0
NVNT	n20	5825	98.08	0
NVNT	n40	5755	99.51	0
NVNT	n40	5795	99.29	0
NVNT	ac20	5745	99.30	0
NVNT	ac20	5785	98.79	0
NVNT	ac20	5825	98.21	0
NVNT	ac40	5755	99.61	0
NVNT	ac40	5795	99.23	0
NVNT	ax20	5745	99.00	0
NVNT	ax20	5785	98.40	0
NVNT	ax20	5825	97.79	0.10
NVNT	ax40	5755	99.21	0
NVNT	ax40	5795	99.07	0

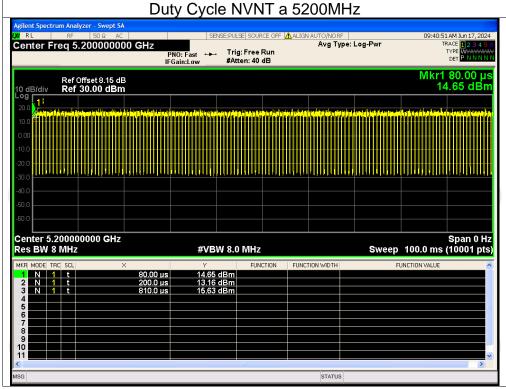
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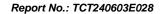
Hotline: 400-6611-140 Tel: 86-755-27673339 Fax: 86-755-27673332 http://www.tct-lab.com



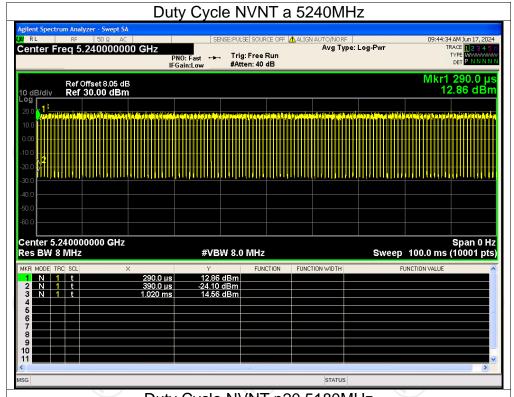


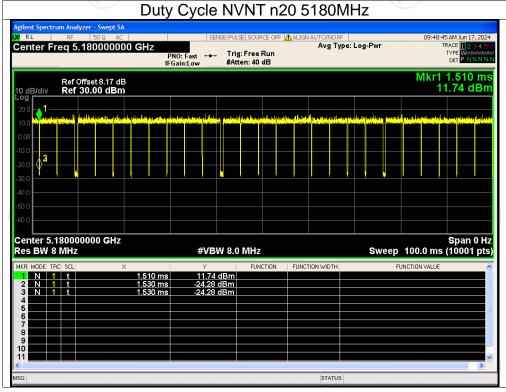






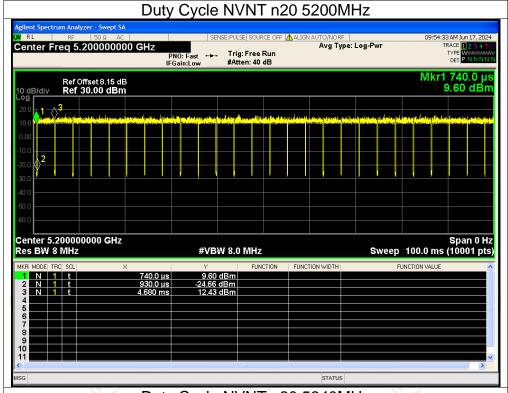


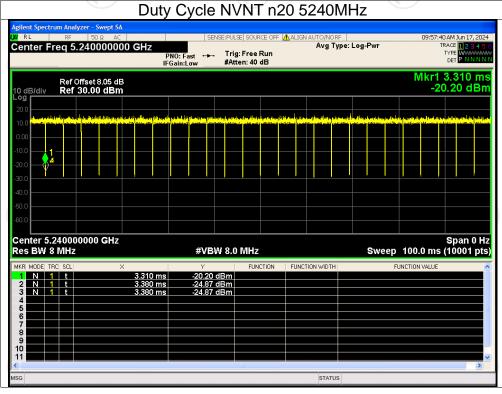


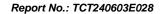




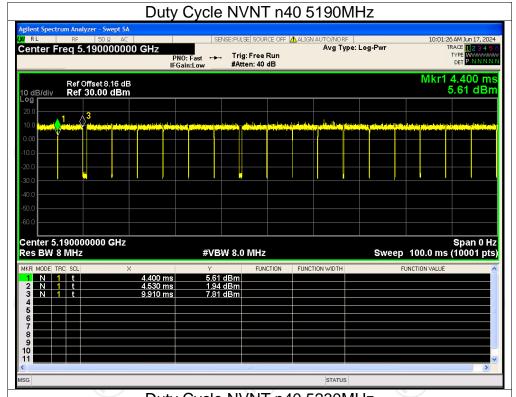


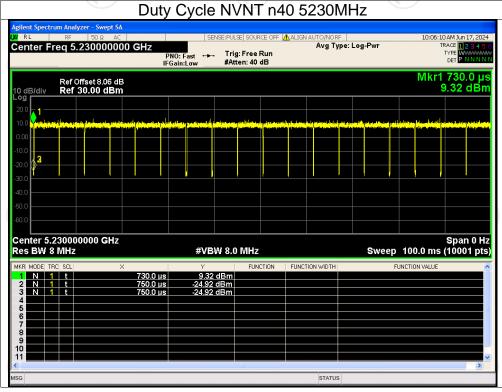






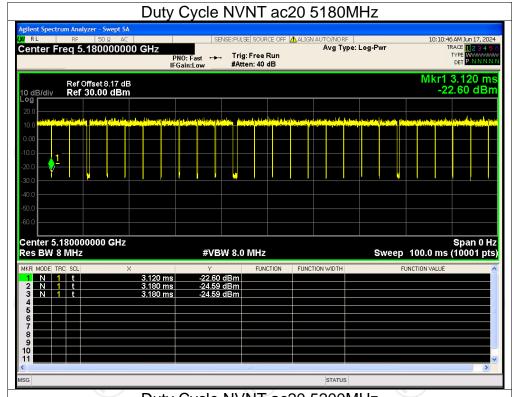


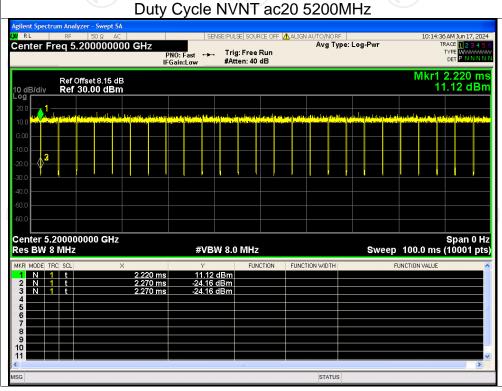


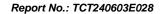




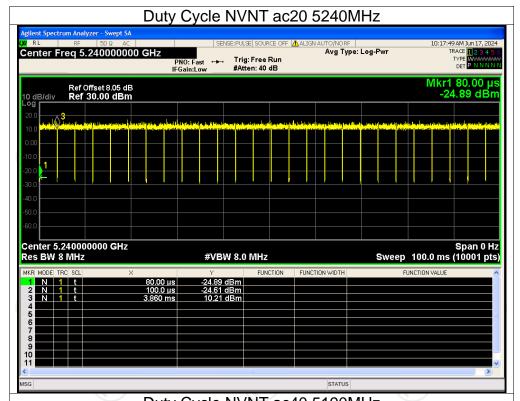


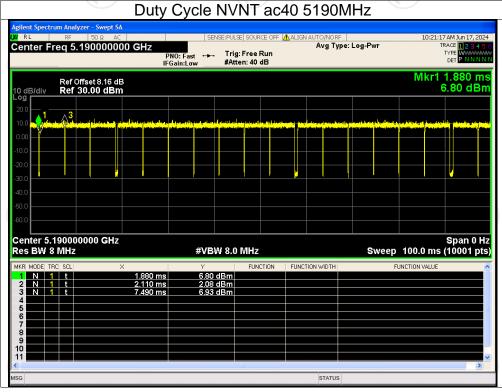


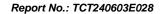




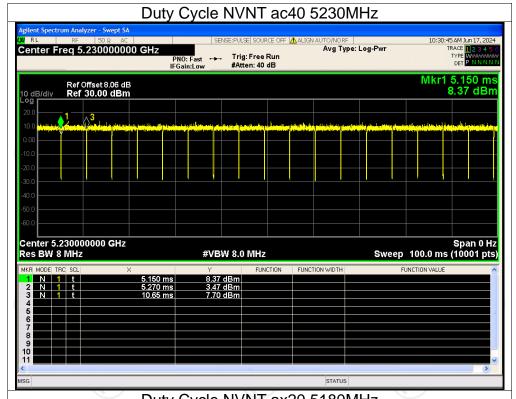


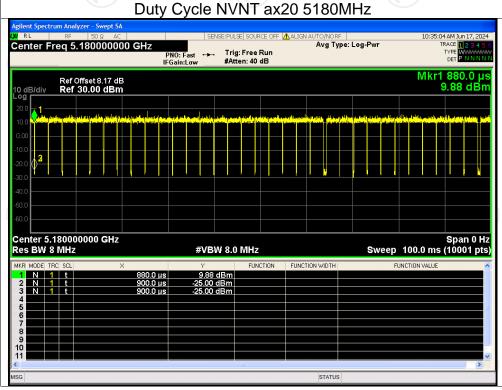






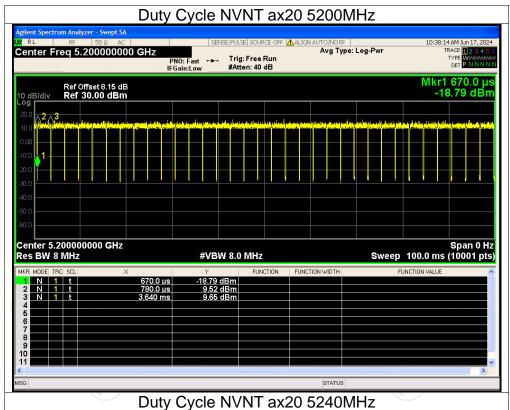


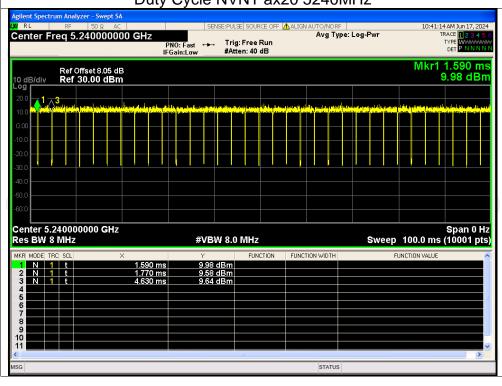


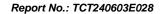




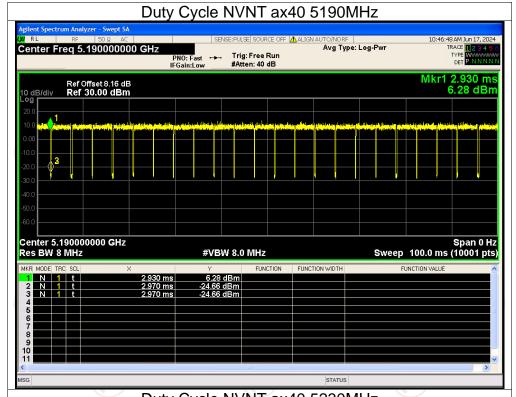


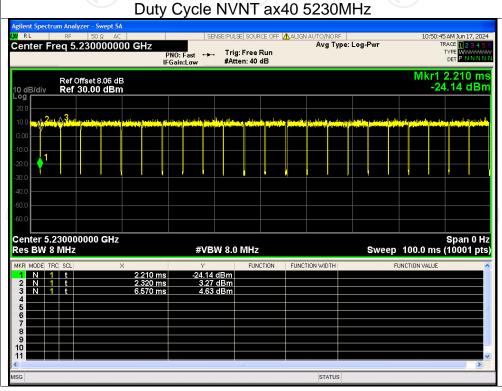






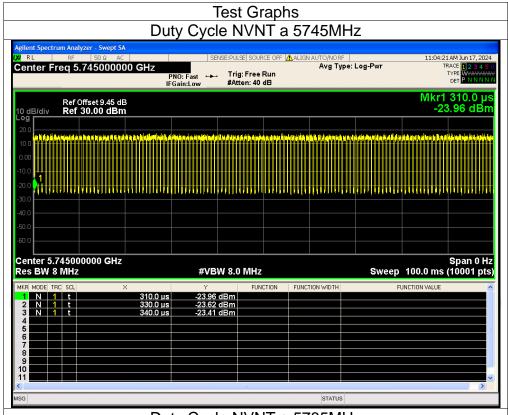


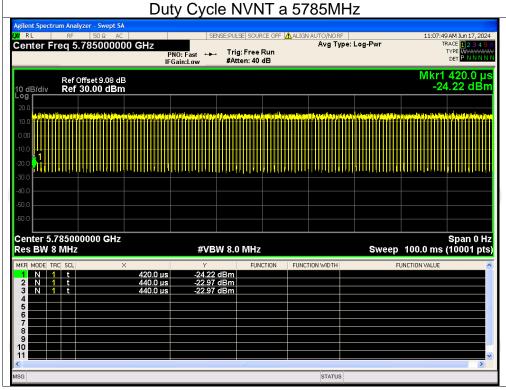






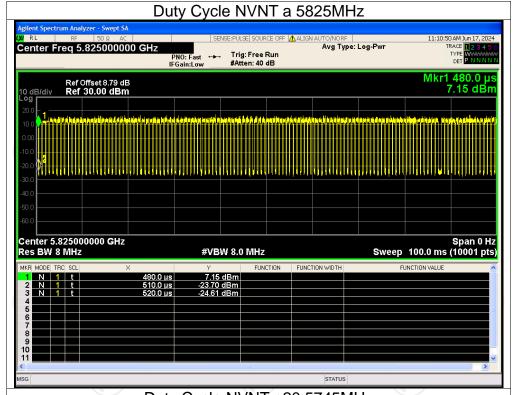


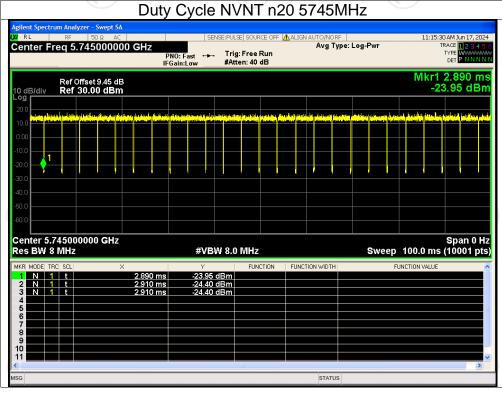






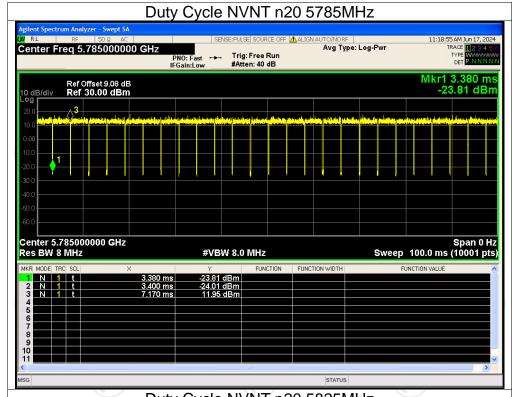


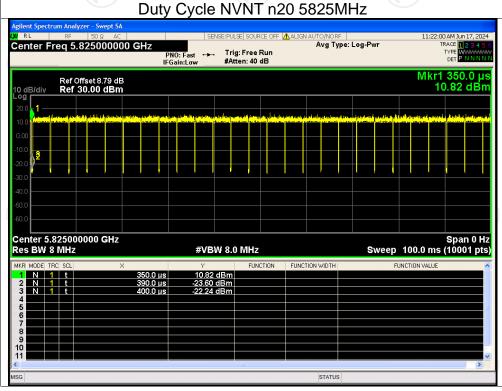






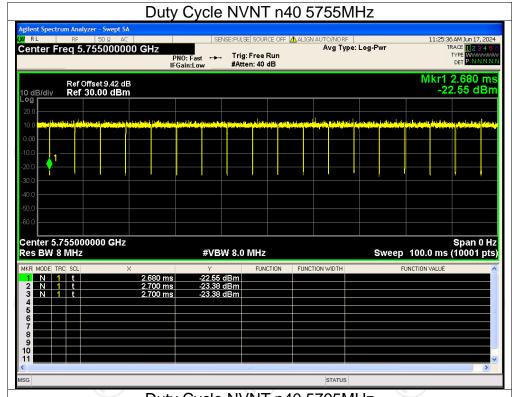


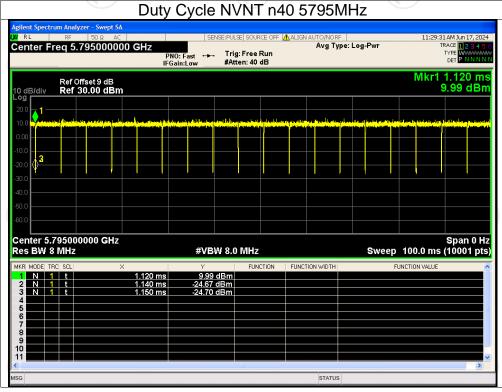






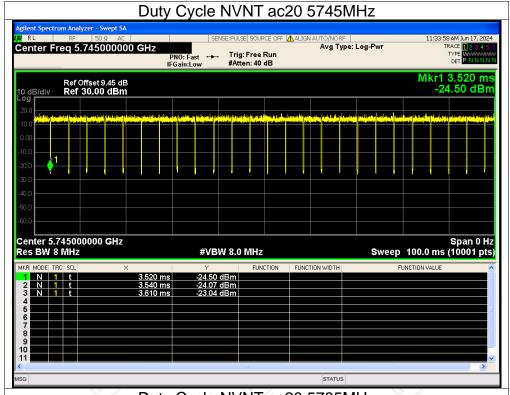


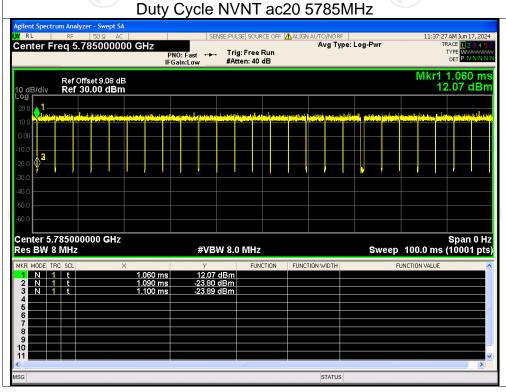






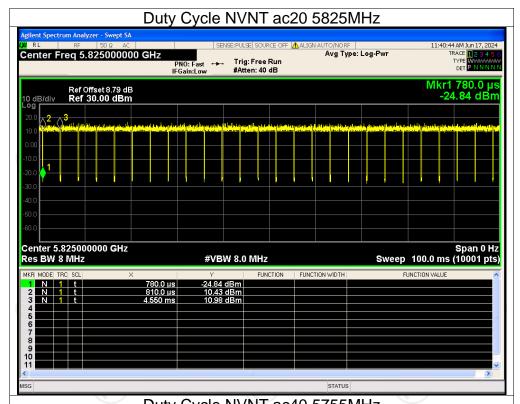


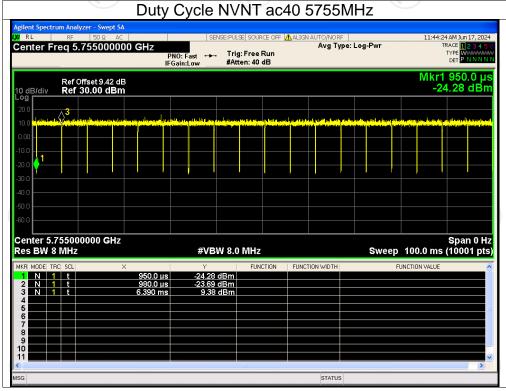






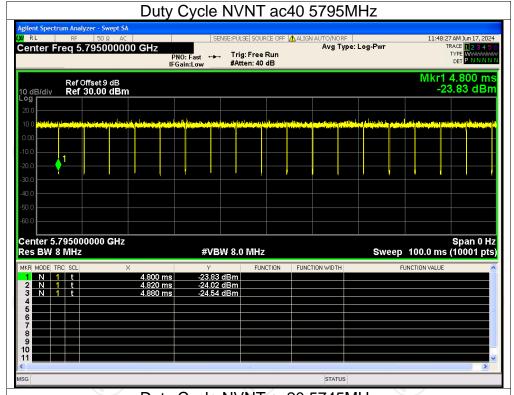


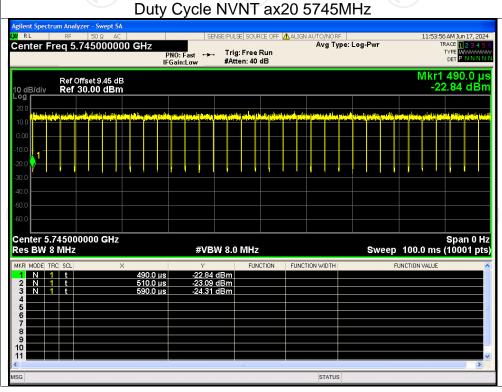






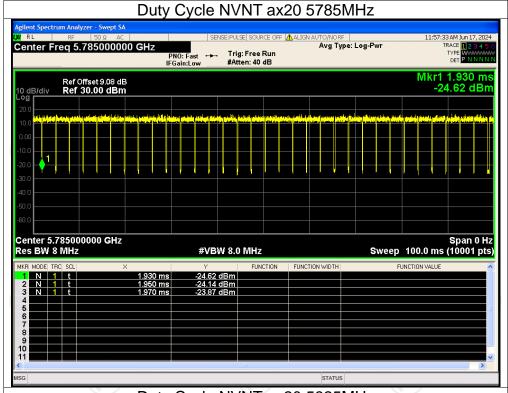


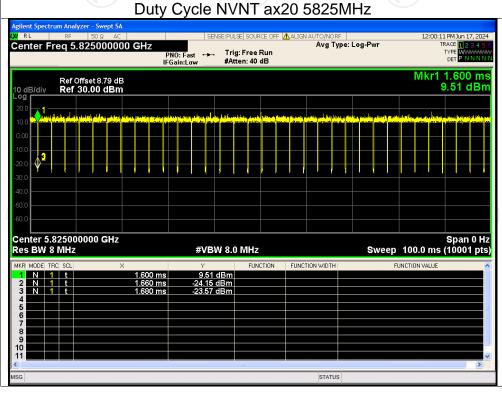






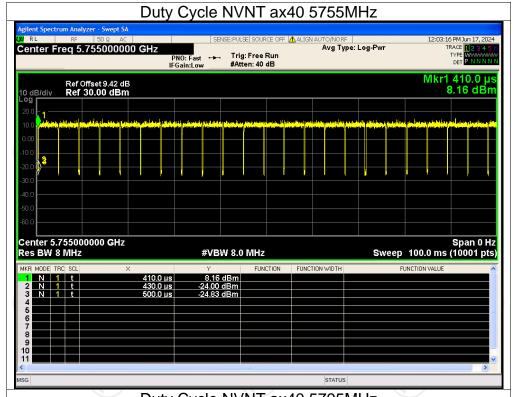


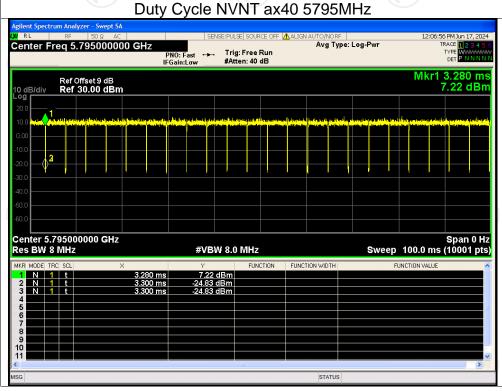
















Maximum Conducted Output Power

Condition	Mode	Frequency	Conducted	Duty Factor	Total Power	Limit	Verdict
Condition	Mode	(MHz)	Power (dBm)	(dB)	(dBm)	(dBm)	verdict
NVNT	a	5180	10.12	0.87	10.99	24	Pass
NVNT	a	5200	10.26	0.74	11.00	24	Pass
NVNT	а	5240	11.23	0.75	11.98	24	Pass
NVNT	n20	5180	7.71	0.20	7.91	24	Pass
NVNT	n20	5200	7.76	0.15	7.91	24	Pass
NVNT	n20	5240	7.78	0.13	7.91	24	Pass
NVNT	n40	5190	7.55	0.15	7.70	24	Pass
NVNT	n40	5230	7.76	0.09	7.85	24	Pass
NVNT	ac20	5180	7.60	0.19	7.79	24	Pass
NVNT	ac20	5200	7.63	0.15	7.78	24	Pass
NVNT	ac20	5240	7.78	0.12	7.90	24	Pass
NVNT	ac40	5190	7.60	0.15	7.75	24	Pass
NVNT	ac40	5230	7.77	0.09	7.86	24	Pass
NVNT	ax20	5180	7.33	0.20	7.53	24	Pass
NVNT	ax20	5200	7.65	0.18	7.83	24	Pass
NVNT	ax20	5240	7.69	0.18	7.87	24	Pass
NVNT	ax40	5190	7.53	0.14	7.67	24	Pass
NVNT	ax40	5230	7.76	0.16	7.92	24	Pass
NVNT	а	5745	9.06	0.17	9.23	30	Pass
NVNT	а	5785	8.80	0.21	9.01	30	Pass
NVNT	а	5825	7.81	0.43	8.24	30	Pass
NVNT	n20	5745	10.08	0	10.08	30	Pass
NVNT	n20	5785	9.33	0	9.33	30	Pass
NVNT	n20	5825	8.50	0	8.50	30	Pass
NVNT	n40	5755	9.99	0	9.99	30	Pass
NVNT	n40	5795	9.02	0	9.02	30	Pass
NVNT	ac20	5745	10.13	0	10.13	30	Pass
NVNT	ac20	5785	9.31	0	9.31	30	Pass
NVNT	ac20	5825	8.28	0	8.28	30	Pass
NVNT	ac40	5755	9.89	0	9.89	30	Pass
NVNT	ac40	5795	9.27	0	9.27	30	Pass
NVNT	ax20	5745	9.96	0	9.96	30	Pass
NVNT	ax20	5785	9.30	0	9.30	30	Pass
NVNT	ax20	5825	8.34	0.10	8.44	30	Pass
NVNT	ax40	5755	9.72	0	9.72	30	Pass
NVNT	ax40	5795	9.27	0	9.27	30	Pass

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