

TESTING CENTRE TEC	TEST REPOR	?T	
FCC ID:	2BLTAACW1303A	<u> </u>	
Test Report No::	TCT241230E035		
Date of issue::	Jan. 03, 2025		
Testing laboratory::	SHENZHEN TONGCE TESTIN	NG LAB	
Testing location/ address:	2101 & 2201, Zhenchang Factor Fuhai Subdistrict, Bao'an Distri 518103, People's Republic of O	ct, Shenzhen, Guangdong,	
Applicant's name::	EWIC PHILIPPINES INC.		
Address::	BLDG NOS 7&8 S BLK 2 LOT TECHNOPARK ANNEX, BARA Philippines	2 EZP WAREHOUSE, LAGUNA ANGAY BO BINAN, BINAN,	
Manufacturer's name:	EWIC PHILIPPINES INC.		
Address::	BLDG NOS 7&8 S BLK 2 LOT 2 EZP WAREHOUSE, LAGUNA TECHNOPARK ANNEX, BARANGAY BO BINAN, BINAN, Philippines		
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::	INDOOR CAMERA		
Trade Mark:	N/A		
Model/Type reference:	A-CW1303A, CW1303A, K10,	K100	
Rating(s)::	Refer to EUT description of page	ge 3	
Date of receipt of test item	Dec.30, 2024		
Date (s) of performance of test:	Dec.30, 2024 ~ Jan. 03, 2025		
Tested by (+signature):	Ronaldo LUO	Royl that TCT 18	
Check by (+signature):	Beryl ZHAO Boyl have TCT)		
Approved by (+signature):	Tomsin	Toms in the	

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1. General Product Information

1.1. EUT description

Product Name:	INDOOR CAMERA	
Model/Type reference:	A-CW1303A	
Sample Number:	TCT241230E004-0101	
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 Multiplexing (OFDM)	
Modulation Type:	256QAM, 64QAM, 16QAM, BPSK, QPSK	
Antenna Type:	Metal Antenna	
Antenna Gain:	Band 1: 4.81dBi Band 3: 4.88dBi	
Rating(s):	Adapter Information 1: MODEL: BS05A-0501000US INPUT: AC 100-240V, 50/60Hz, 0.25A Max OUTPUT: DC 5V, 1000mA Adapter Information 2: MODEL: SA0101-0501000UA INPUT: AC 100-240V, 50/60Hz, 0.35A Max OUTPUT: DC 5.0V, 1.0A, 5.0W	

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	A-CW1303A	
Other models	CW1303A, K10, K100	

Note: A-CW1303A is tested model, other models are derivative models. The models are identical in circuit and PCB layout, only different on the model names, image pixel or product appearance color. So the test data of A-CW1303A can represent the remaining models.

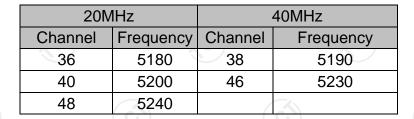
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1.3. Test Frequency

Band 1



Band 3

20MHz		40MHz		
Channel Frequency		Channel	Frequency	
149	5745	151	5755	
157	5785	159	5795	
165	5825		3	

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:	22.8 °C	21.8 °C		
Humidity:	49 % RH	49 % RH		
Atmospheric Pressure:	1010 mbar	1010 mbar		
Test Software:				
Software Information:	Software Information: putty			
Power Level:	16			
Test Mode:				
Engineer 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	
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



5. Test Results and Measurement Data

5.1. Antenna requirement

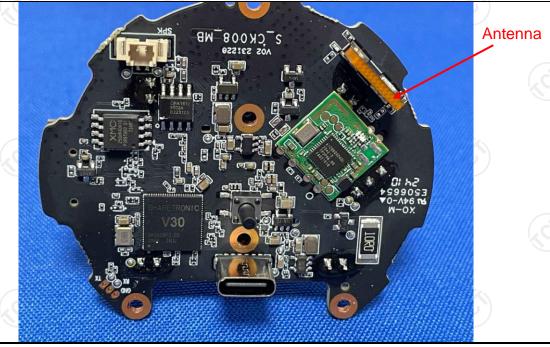
Standard requirement: FCC Part15 C Section 15.203 /247(c)

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 metal antenna which permanently attached, and the best case gain of the antenna is 4.88dBi of Band 3.





5.2. Conducted Emission

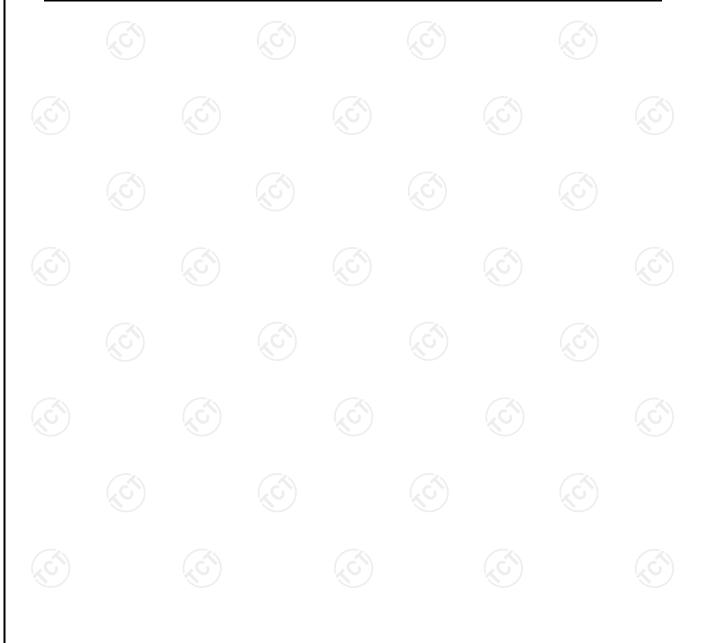
5.2.1. Test Specification

Test Requirement:	FCC Part15 C Section 15.207			
Test Method:	ANSI C63.10:2020			
Frequency Range:	150 kHz to 30 MHz	C ⁽¹⁾	$(c^{(i)})$	
Receiver setup:	RBW=9 kHz, VBW=30	kHz, Sweep time	=auto	
Limits:	Frequency range Limit (dBuV) (MHz) Quasi-peak Average 0.15-0.5 66 to 56* 56 to 56* 0.5-5 56 4 5-30 60 5			
	Reference			
Test Setup:	Test table/Insulation plane Remark: E.U.T AC power Test table/Insulation plane EMI Receiver EIJT: Equipment Under Test LISN: Line Impedence Stabilization Network Test table height=0.8m			
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. 26, 2025
LISN	Schwarzbeck	NSLK 8126	8126453	Jan. 31, 2025
Attenuator	N/A	10dB	164080	Jun. 26, 2025
Line-5	тст	CE-05	1 (3)	Jun. 26, 2025
EMI Test Software	EZ_EMC	EMEC-3A1	1.1.4.2	1

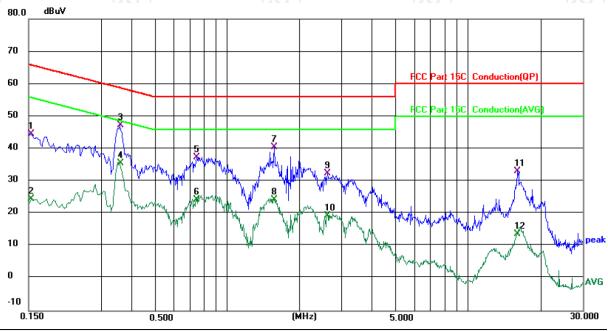




5.2.3. Test data

Please refer to following diagram for individual

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



Site 844 Shielding Room

Phase: L1

Temperature: 22.8 (°C)

Humidity: 49 %

Report No.: TCT241230E035

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	0.1539	34.87	9.67	44.54	65.79	-21.25	QP	
2	0.1539	14.89	9.67	24.56	55.79	-31.23	AVG	
3 *	0.3579	37.22	10.01	47.23	58.78	-11.55	QP	
4	0.3579	25.45	10.01	35.46	48.78	-13.32	AVG	
5	0.7500	26.94	10.45	37.39	56.00	-18.61	QP	
6	0.7500	13.97	10.45	24.42	46.00	-21.58	AVG	
7	1.5700	30.64	9.80	40.44	56.00	-15.56	QP	
8	1.5700	14.56	9.80	24.36	46.00	-21.64	AVG	
9	2.6179	22.41	9.92	32.33	56.00	-23.67	QP	
10	2.6179	9.44	9.92	19.36	46.00	-26.64	AVG	
11	16.0900	22.84	10.28	33.12	60.00	-26.88	QP	
12	16.0900	3.38	10.28	13.66	50.00	-36.34	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 (dBµV) = Limit stated in standard

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

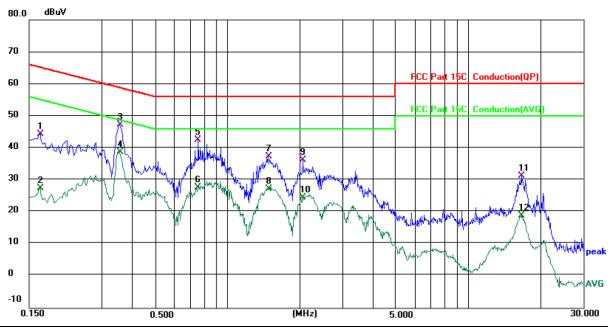
Q.P. =Quasi-Peak

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
Power: AC 120 V/60 Hz

Temperature: 22.8 (°C)

Humidity: 49 %

Limit: FCC Part 15C Conduction(QP)

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBu∨	dB	dBu∨	dBu∀	dB	Detector	Comment
1		0.1660	34.69	9.64	44.33	65.16	-20.83	QP	
2		0.1660	17.90	9.64	27.54	55.16	-27.62	AVG	
3		0.3540	37.29	9.98	47.27	58.87	-11.60	QP	
4	*	0.3540	28.81	9.98	38.79	48.87	-10.08	AVG	
5		0.7580	32.20	10.44	42.64	56.00	-13.36	QP	
6		0.7580	17.34	10.44	27.78	46.00	-18.22	AVG	
7		1.4780	27.51	9.75	37.26	56.00	-18.74	QP	
8		1.4780	17.50	9.75	27.25	46.00	-18.75	AVG	
9		2.0579	26.48	9.81	36.29	56.00	-19.71	QP	
10		2.0579	14.67	9.81	24.48	46.00	-21.52	AVG	
11		16.5940	21.10	10.24	31.34	60.00	-28.66	QP	
12		16.5940	8.74	10.24	18.98	50.00	-31.02	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 (dBµV) = 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), 802.11ax(HE40) and the worst case Mode (Lowest channel and 802.11b) was submitted only. And the test data in this project is powered by adapter 1 which is in the worse case.

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



5.3. Maximum Conducted Output Power

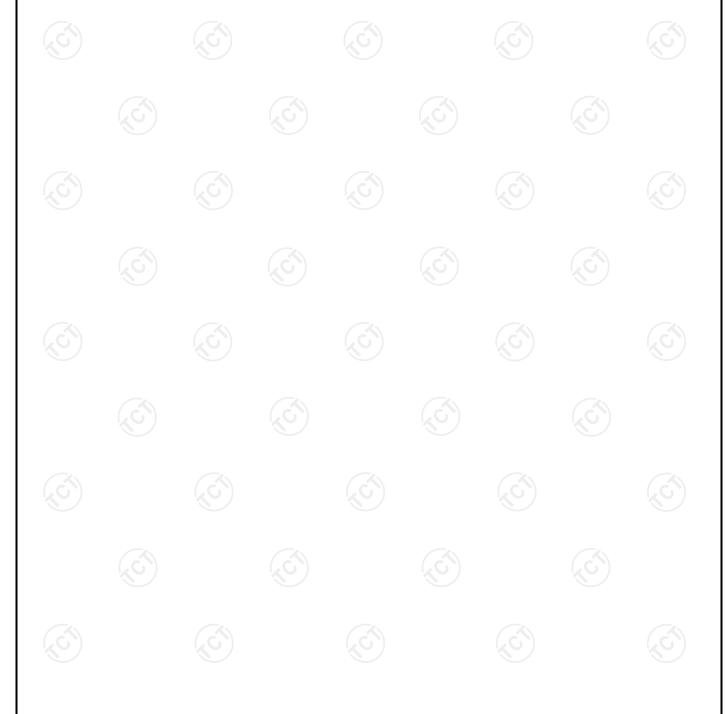
5.3.1. Test Specification

Test Requirement:	FCC Part15 E Section 2.1046	on 15.407(a)& Part 2 J Section				
Test Method:	KDB789033 D02 Ge	KDB662911 D01 Multiple Transmitter Output v02r01 KDB789033 D02 General UNII Test Procedures New Rules v02r01 Section E Frequency Band (MHz) Limit				
		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 bandwidth in megahertz				
	5745 - 5825	30dBm(1W)				
Test Setup:	Power meter	EUT				
Test Mode:	Transmitting mode w	vith modulation				
Test Procedure:	KDB789033 D02 Rules v02r01 Sec 2. The RF output of limeter by RF cab to the results for limeter to the maximum EUT transmit cor 5. Measure the conditions.	 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. 				
	results in the test report. PASS					



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		1





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	Model	Serial Number	Calibration Due
Spectrum Analyzer	Agilent	N9020A	MY49100619	Jun. 26, 2025
Combiner Box	Ascentest	AT890-RFB	1	1

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5.5. 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	/	/

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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

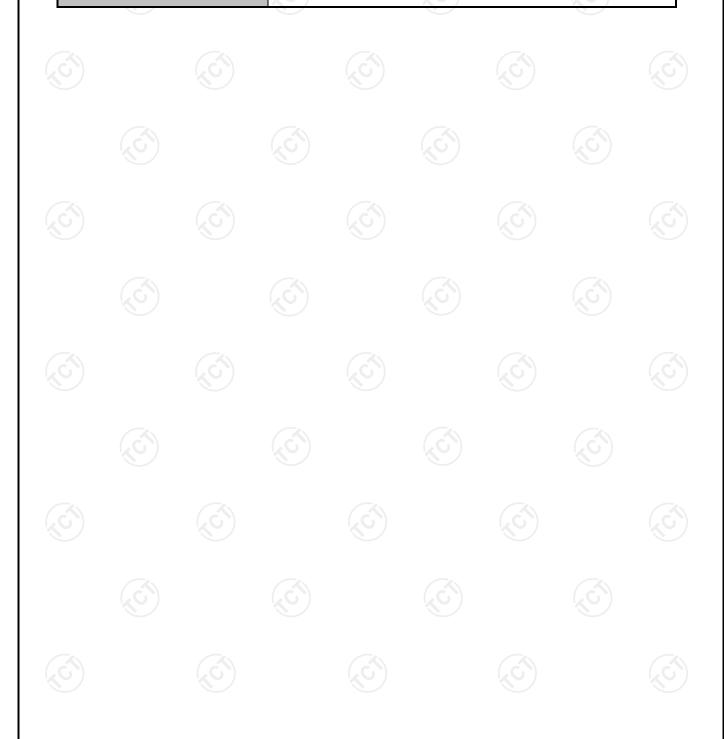
Test Requirement:	FCC CFR47 Part 15E Section 15.407						
Test Method:	ANSI C63.10:20)20					
	In un-restricted band: For Band 1&2A&2C: -27dBm/MHz For Band 3:						
	Frequency (MHz)	Limit (dBm/MHz)	Frequency (MHz)	Limit (dBm/MHz)			
	< 5650	-27	5850~5855	27~15.6			
Limit:	5650~5700	-27~10	5855~5875	15.6~10			
Lilling.	5700~5720 10~15.6 5875~5925 10~-27						
	5720~5725	15.6~27	> 5925	-27			
	E[dBµV/m] = EIR In restricted band:						
	Detec	tor	Limit@				
	Peal		74dBµ				
	AVG	6	54dBµ	ıV/m			
Test Setup:	Ground Reference Plate Test Fieceiver						
Test Mode:	Transmitting mo	de with modu	ulation	40			
Test Procedure:	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						



Mode.
6. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasipeak or average method as specified and then reported in a data sheet.

Test Result:

PASS



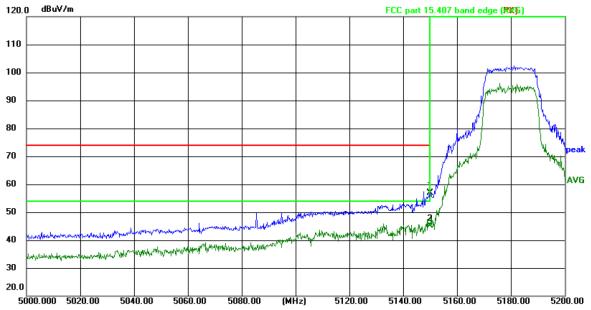


5.7.2. Test Instruments

	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	1	Jun. 26, 2025				
Antenna Mast	Keleto	RE-AM) 1					
EMI Test Software	EZ_EMC	FA-03A2 RE+	1.1.4.2	/				



5.7.3. Test Data AX20-5180

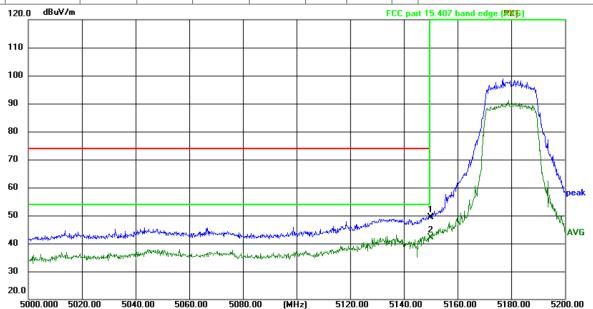


Site: 3m Anechoic Chamber Polarization: Horizontal Temperature: 22.3(C) Humidity: 40 %

Limit: FCC part 15.407 band edge (PK)

Power: AC 120V/60Hz

	No.	Frequency (MHz)	Reading (dBuV)		Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F	Remark
ľ	1	5150.000	65.42	-8.59	56.83	74.00	-17.17	peak	Р	
	2 *	5150.000	53.61	-8.59	45.02	54.00	-8.98	AVG	Р	



Site: 3m Anechoic Chamber Polarization: Vertical Temperature: 22.3(°C) Humidity: 40 %

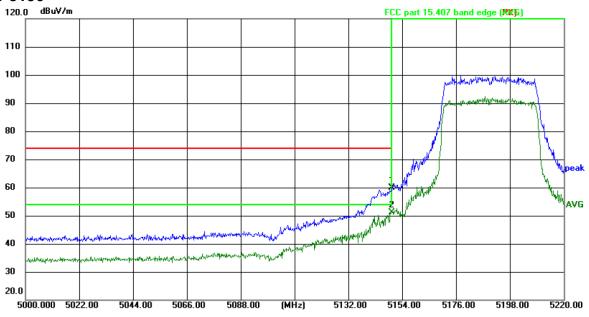
Limit: FCC part 15.407 band edge (PK)

Power: AC 120V/60Hz

No.	Frequency (MHz)	Reading (dBuV)		Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F	Remark
1	5150.000	57.85	-8.59	49.26	74.00	-24.74	peak	Р	
2 *	5150.000	50.77	-8.59	42.18	54.00	-11.82	AVG	Р	



AX40-5190

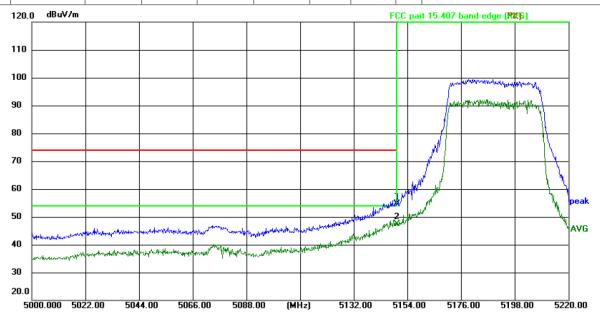


Site: 3m Anechoic Chamber Polarization: Horizontal Temperature: 22.3(°C) Humidity: 40 %

Limit: FCC part 15.407 band edge (PK)

Power: AC 120V/60Hz

No.	Frequency (MHz)	Reading (dBuV)		Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F	Remark
1	5150.000	68.41	-8.59	59.82	74.00	-14.18	peak	Р	
2 *	5150.000	59.66	-8.59	51.07	54.00	-2.93	AVG	Р	



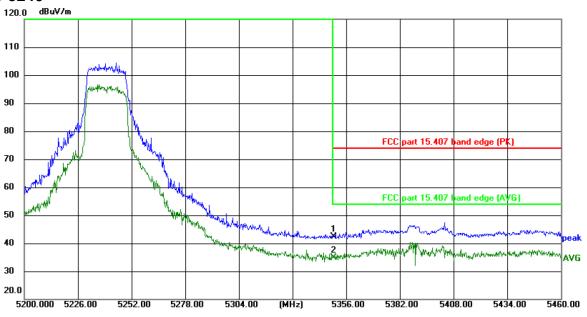
Site: 3m Anechoic Chamber Polarization: Vertical Temperature: 22.3(C) Humidity: 40 %

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	5150.000	63.12	-8.59	54.53	74.00	-19.47	peak	Р	
2 *	5150.000	55.85	-8.59	47.26	54.00	-6.74	AVG	Р	



AX20-5240

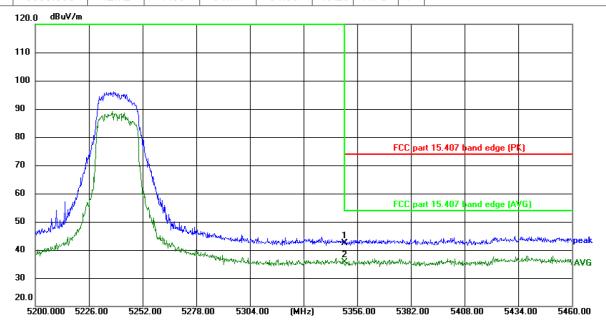


Site: 3m Anechoic Chamber Polarization: Horizontal Temperature: 22.3(C) Humidity: 40 %

Limit: FCC part 15.407 band edge (PK)

Power: AC 120V/60Hz

ĺ	No.	Frequency (MHz)	Reading (dBuV)		Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F	Remark
	1	5350.000	50.45	-7.95	42.50	74.00	-31.50	peak	Р	
ľ	2 *	5350.000	42.72	-7.95	34.77	54.00	-19.23	AVG	Р	



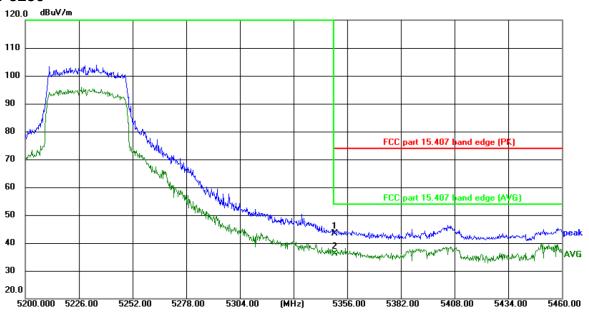
Site: 3m Anechoic Chamber Polarization: Vertical Temperature: 22.3(°C) Humidity: 40 %

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	5350.000	50.22	-7.95	42.27	74.00	-31.73	peak	Р	
ſ	2 *	5350.000	43.68	-7.95	35.73	54.00	-18.27	AVG	Р	



AX40-5230

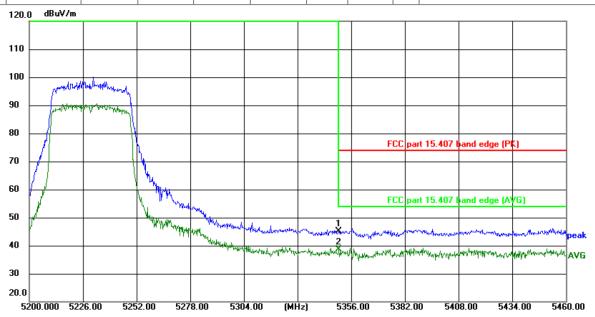


Site: 3m Anechoic Chamber Polarization: Horizontal Temperature: 22.3(°C) Humidity: 40 %

Limit: FCC part 15.407 band edge (PK)

Power: AC 120V/60Hz

No.	Frequency (MHz)	Reading (dBuV)	l .	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F	Remark
1	5350.000	51.21	-7.95	43.26	74.00	-30.74	peak	Р	
2 *	5350.000	44.01	-7.95	36.06	54.00	-17.94	AVG	Р	



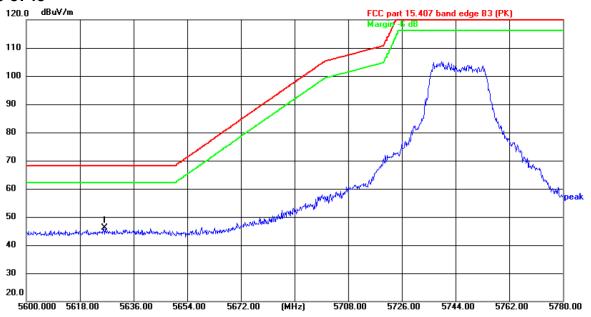
Site: 3m Anechoic Chamber Polarization: Vertical Temperature: 22.3(°C) Humidity: 40 %

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	53.11	-7.95	45.16	74.00	-28.84	peak	Р	
2 *	5350.000	46.47	-7.95	38.52	54.00	-15.48	AVG	Р	



AX20-5745



Site: 3m Anechoic Chamber

Polarization: Horizontal

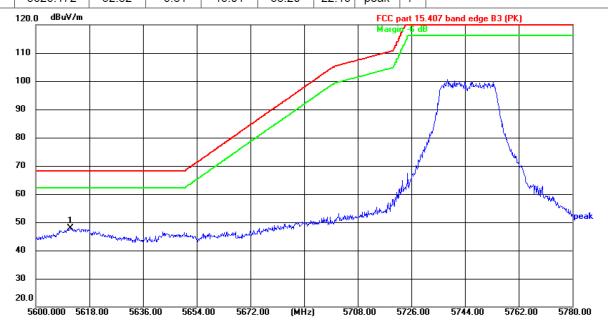
Temperature: 22.3(℃)

Humidity: 40 %

Limit: FCC part 15.407 band edge B3 (PK)

Power: AC 120V/60Hz

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F	Remark
1 *	5626 172	52.82	-6.81	46.01	68 20	-22 19	peak	Р	



Site: 3m Anechoic Chamber

Polarization: Vertical

Temperature: 22.3(℃)

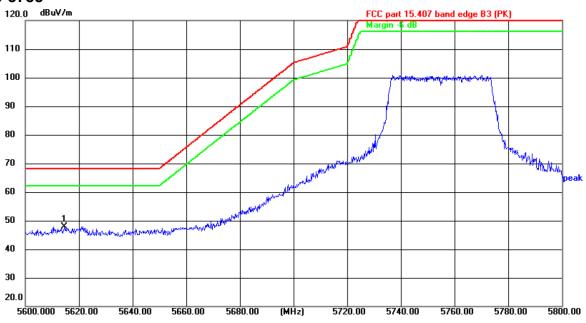
Humidity: 40 %

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 *	5611.844	54.75	-6.85	47.90	68.20	-20.30	peak	Р	



AX40-5755

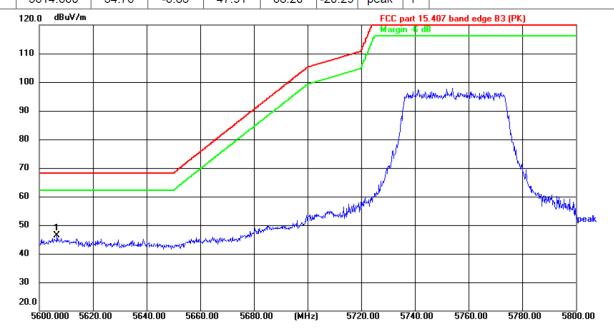


Site: 3m Anechoic Chamber Po Limit: FCC part 15.407 band edge B3 (PK)

Polarization: *Horizontal* Temperature: 22.3(°C)

Power: AC 120V/60Hz

No.	Frequency (MHz)	Reading (dBuV)		Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F	Remark
1 *	5614 660	54.76	-6.85	<i>1</i> 7 Q1	68.20	-20.29	neak	D	



Site: 3m Anechoic Chamber

Polarization: Vertical

Temperature: 22.3(℃)

Humidity: 40 %

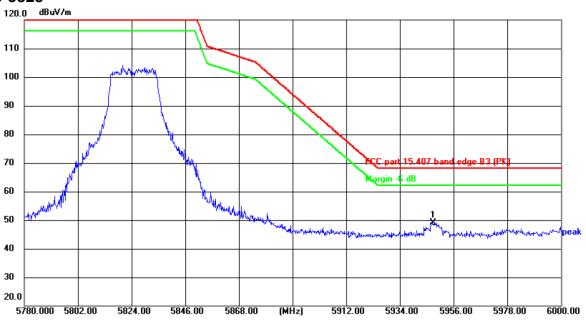
Humidity: 40 %

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 *	5606.780	53.20	-6.87	46.33	68.20	-21.87	peak	Р	



AX20-5825

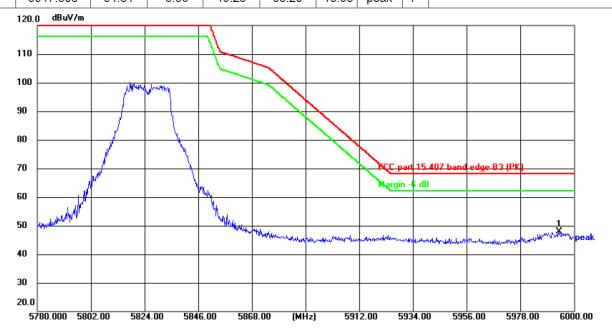


Site: 3m Anechoic Chamber Polarization: Horizontal Temperature: 22.3(°C) Humidity: 40 %

Limit: FCC part 15.407 band edge B3 (PK)

Power: AC 120V/60Hz

No.	Frequency (MHz)	Reading (dBuV)		Level (dBuV/m)	l .	Margin (dB)	Detector	P/F	Remark
1 *	5947 508	54 81	-5.56	49 25	68.20	-18.95	peak	Р	



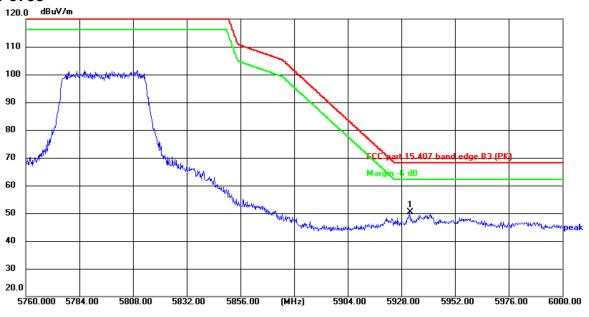
Site: 3m Anechoic Chamber Polarization: Vertical Temperature: 22.3(C) Humidity: 40 %

Limit: FCC part 15.407 band edge B3 (PK)

No.	Frequency (MHz)		l .	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F	Remark
1 *	5994.082	53.16	-5.34	47.82	68.20	-20.38	peak	Р	



AX40-5795

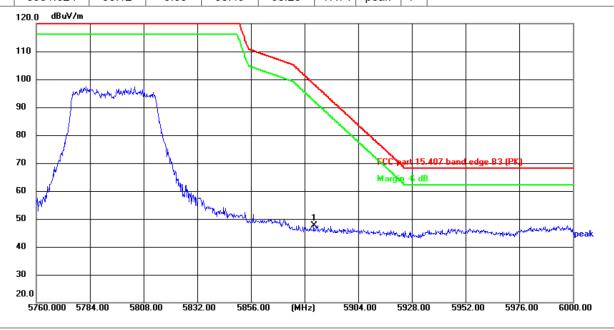


Site: 3m Anechoic Chamber Polarization: Horizontal Temperature: 22.3(C) Humidity: 40 %

Limit: FCC part 15.407 band edge B3 (PK)

Power: AC 120V/60Hz

No.	Frequency (MHz)	Reading (dBuV)		Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F	Remark
1 *	5931.624	56.12	-5.63	50.49	68.20	-17.71	peak	Р	



Site: 3m Anechoic Chamber Polarization: Vertical Temperature: 22.3(C) Humidity: 40 %

Limit: FCC part 15.407 band edge B3 (PK)

Power: AC 120V/60Hz

No.	Frequency (MHz)			Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F	Remark
1 *	5884.272	53.55	-5.82	47.73	98.34	-50.61	peak	Р	

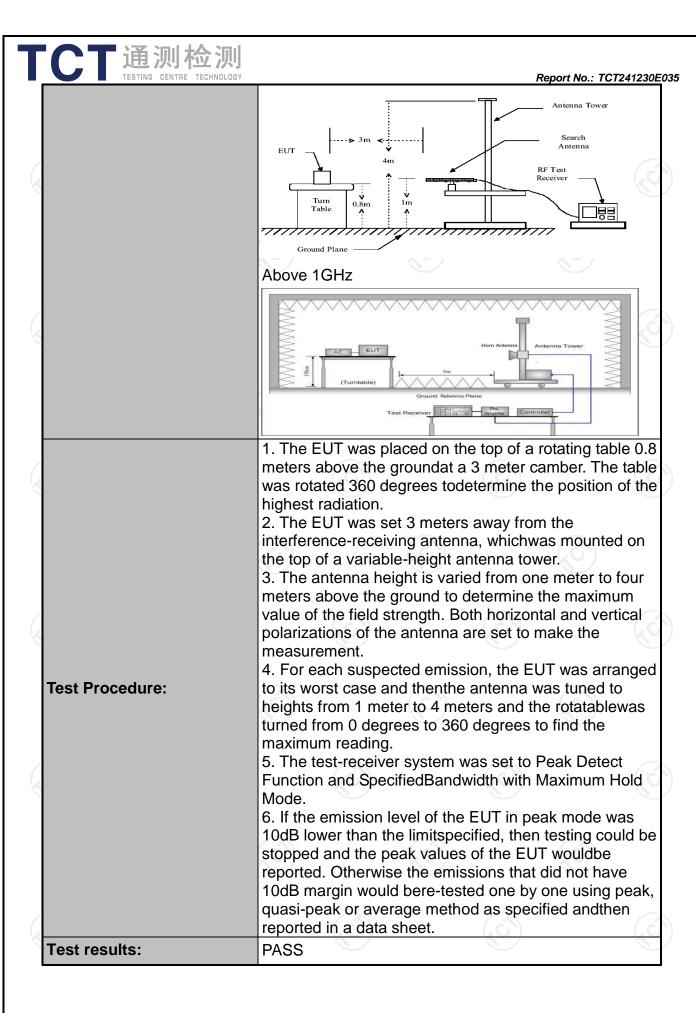
Note: All modulation (802.11a, 802.11n, 802.11ac, 802.11ax) have been tested, only the worst case in 802.11ax be reported.



5.8. Unwanted Emissions

5.8.1. Test Specification

Test Requirement:	FCC CFR47	Part 15 S	Section 15.	407 & 1	5.209 & 15.205
Test Method:	KDB 789033	D02 v02	r01	(0)	1/2
Frequency Range:	9kHz to 40G	Hz			
Measurement Distance:	3 m	(.			
Antenna Polarization:	Horizontal &	Vertical			
Operation mode:	Transmitting	mode wit	h modulat	ion	
Receiver Setup:	Frequency 9kHz- 150kHz 150kHz- 30MHz 30MHz Above 1GHz	Detector Quasi-peal Quasi-peal Quasi-peal Peak Peak	4 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 s strength bands:	Detection Plants search Pea AVG Field Strengtl (microvolts/m 2400/F(KHz) 24000/F(KHz) 30 100 150 200 500	y with the store k	Limit@3m 74dBµV/m 54dBµV/m Distance (meters) 300 3 30 3 3
Test setup:	For radiated Die to 10	Turn table	s below 30	Pre -/	Computer





5.8.2. Test Instruments

	Radiated Er	nission Test Sit	e (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	/

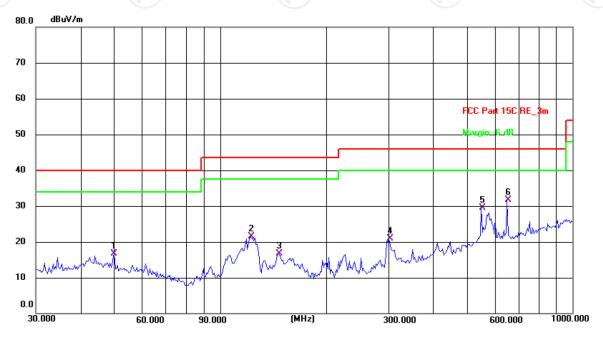


5.8.3. Test Data

Please refer to following diagram for individual

Below 1GHz

Horizontal:

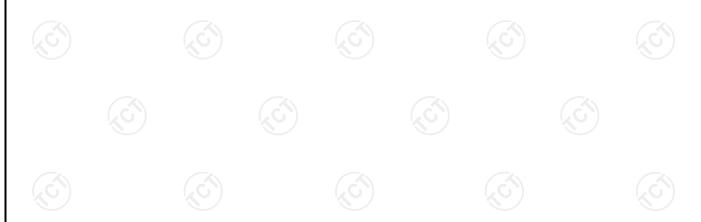


Site: 3m Anechoic Chamber1 Polarization: Horizontal Temperature: 21.8(C) Humidity: 49 %

Limit: FCC Part 15C RE_3m

Power: AC 120 V/ 60 Hz

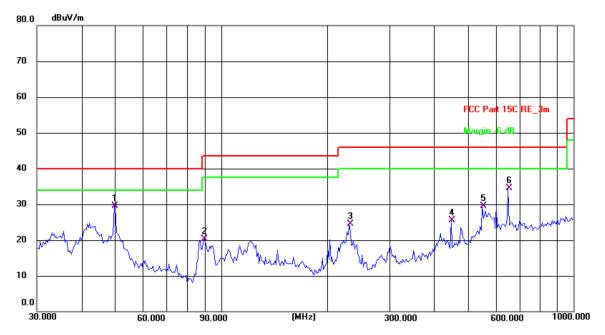
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F	Remark
1	50.0566	29.03	-12.28	16.75	40.00	-23.25	QP	Р	
2	121.9755	34.84	-13.28	21.56	43.50	-21.94	QP	Р	
3	146.3735	28.48	-11.75	16.73	43.50	-26.77	QP	Р	
4	301.4224	31.65	-10.75	20.90	46.00	-25.10	QP	Р	
5	550.9480	35.87	-6.43	29.44	46.00	-16.56	QP	Р	
6 *	651.9417	35.73	-4.01	31.72	46.00	-14.28	QP	Р	





Vertical:

Report No.: TCT241230E035



Site: 3m Anechoic Chamber1 Polarization: Vertical Temperature: 21.8(C) Humidity: 49 %

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 *	49.7068	41.73	-12.27	29.46	40.00	-10.54	QP	Р	
	2	89.5899	37.05	-16.68	20.37	43.50	-23.13	QP	Р	
	3	230.9068	38.72	-14.29	24.43	46.00	-21.57	QP	Р	
	4	449.5558	33.63	-8.20	25.43	46.00	-20.57	QP	Р	
	5	550.9480	36.00	-6.43	29.57	46.00	-16.43	QP	Р	
ľ	6	651.9417	38.53	-4.01	34.52	46.00	-11.48	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

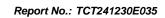
- 2. Measurements were conducted in all three channels (high, middle, low) and all modulation (802.11a, 802.11n(HT20), 802.11n(HT40), 802.11ac(VHT20), 802.11ac(VHT40), 802.11ax(HE20), 802.11ax(HE40) and the worst case Mode (Lowest channel and 802.11b) was submitted only. And the test data in this project is powered by adapter 1 which is in the worse case.
- 3. Measurement (dBµV) = Reading level + Correction Factor, correction Factor= Antenna Factor + Cable loss Pre-amplifier.



			N	Modulation Ty	me Rand 1				
			ľ	11a CH36:	•				
Frequency	Ant. Pol.	Peak reading	AV reading	Correction		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)
10360	Н	38.16		1.78	39.94		68.2		-28.26
15540	Щ	39.11		5.21	44.32		74	54	-9.68
	CH		(, C)		(<			(C)	
40000				1 4 70	1		00.0		
10360	V	38.83		1.78	40.61		68.2		-27.59
15540	V	40.02		5.21	45.23		74	54	-8.77
·C/ -}	V	(.5)		110 CH40: /	 5200MH=		(C, 1)		(
		Deal	A) /	11a CH40: 5	DZUUIVIHZ T				
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)	(ασμ ν/ιιι)	(αΒμ ۷/111)	(ub)
10400	Н	39.16		1.83	40.99		68.2		-27.21
15600	Н	40.8		5.23	46.03		74	54	-7.97
<u> </u>	Н			(/			
(0)		(0)		KO			(0)		KO)
10400	V	40.17		1.83	42		68.2		-26.2
15600	V	41.69		5.23	46.92		74	54	-7.08
	V								
				11a CH48: 5	5240MHz				
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	38.15		1.85	40		68.2		-28.2
15720	Н	39.37		5.25	44.62		74	54	-9.38
	_H								
				.)		-//			
10480	V	38.69		1.85	40.54	<i></i>	68.2	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	-27.66
15720	V	40.25		5.25	45.5		74	54	-8.5
	V								
			11	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	(H)	41.58	-4,0	1.78	43.36	5")	68.2	(<u>/</u> G-:)	-24.84
15540	Н	40.12		5.21	45.33	/ <u></u>	74	54	-8.67
	Н								
10360	V	42.23		1.78	44.01	(68.2		-24.19
	L			1.78 5.21	44.01 46.84	(68.2 74	 54	-24.19 -7.16



Frequency (MHz)				11	n(HT20) CH	40: 5200MF	-lz			
10400			reading	AV reading	Correction Factor	Emissio Peak	n Level AV			•
15600	10400	Н	40.25		1.83	, ,	` ' '	68.2		-26.12
10400										
10400										
15600										
15600	10400	V	40.85		1.83	42 68	J	68.2		-25 52
Trequency (MHz)		-							54	
T1n(HT20) CH48: 5240MHz Frequency (MHz)										
Frequency (MHz)		v								
Frequency (MHz)			Peak							
(MHz)						Emission	on Level			_
15720	(MHz)	H/V						(dBµV/m)	(dBµV/m)	(dB)
15720	10480	KH)	41.92	長り	1.85	43.77	J)	68.2	<u> </u>	-24.43
10480	15720	Н	41.35		5.25	46.6		74	54	
15720		Н								
15720		•		•						
Trequency (MHz)	10480	V	40.72		1.85	42.57	(68.2		-25.63
Tan(HT40) CH38: 5190MHz Frequency (MHz)	15720	V	40.06		5.25	45.31		74	54	-8.69
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		V								
Frequency (MHz)				11	n(HT40) CH	38: 5190MH	Ηz			
10380						Emissi	on Level			
15570 H 41.34 5.22 46.56 74 54 -7.44 H	(IVIHZ)	H/V	(dBµV)	(dBµV)	(dB/m)			(aBµv/m)	(aBµv/m)	(aB)
10380	10380	Н	42.67		1.80	44.47	/	68.2		-23.73
10380 V 40.26 1.80 42.06 68.226.14 15570 V 39.83 5.22 45.05 74 54 -8.95 V 1.1n(HT40) CH46: 5230MHz Frequency (MHz) Ant. Pol. H/V reading (dBμV) reading (dBμV) (dBμV/m) (15570	Н	41.34		5.22	46.56	'	74	54	-7.44
15570 V 39.83 5.22 45.05 74 54 -8.95 171n(HT40) CH46: 5230MHz Frequency (MHz)		Н								
15570 V 39.83 5.22 45.05 74 54 -8.95 171n(HT40) CH46: 5230MHz Frequency (MHz)		•				•	•	•		
15570	10380	V	40.26	-(.5)	1.80	42.06		68.2		-26.14
The content of the	15570	V	39.83		5.22	45.05	<u> </u>	74	54	-8.95
Frequency (MHz) Ant. Pol. H/V Peak reading (dBμV) AV reading (dBμV) Correction Factor (dB/m) Emission Level (dBμV/m) Peak limit (dBμV/m) AV limit (dBμV/m) Margin (dBμV/m) 10460 H 41.76 1.85 43.61 68.2 -24.59 15690 H 39.15 5.08 44.23 74 54 -9.77 H		V								
Frequency (MHz)				11	n(HT40) CH	46: 5230MF	Ηz			
(MHZ) H/V (dBμV) (dBμV) (dBμV) Peak (dBμV/m) AV (dBμV/m) (dBμV/m) </td <td></td> <td colspan="5">quency Ant. Pol. reading reading Factor Emission Level</td> <td>on Level</td> <td></td> <td></td> <td>_</td>		quency Ant. Pol. reading reading Factor Emission Level					on Level			_
15690 H 39.15 5.08 44.23 74 54 -9.77 H 1.85 43.32 68.224.88 15690 V 40.32 5.08 45.4 74 54 -8.6	(MHz)	H/V	_	_				(dBµV/m)	(dBµV/m)	(dB)
15690 H 39.15 5.08 44.23 74 54 -9.77 H 1.85 43.32 68.224.88 15690 V 40.32 5.08 45.4 74 54 -8.6	10460	H.	41.76		1.85		, , ,	68.2		-24.59
H				-4.6				1		
10460 V 41.47 1.85 43.32 68.224.88 15690 V 40.32 5.08 45.4 74 54 -8.6					/					
15690 V 40.32 5.08 45.4 74 54 -8.6						1	1	1	<u> </u>	
15690 V 40.32 5.08 45.4 74 54 -8.6	10460	V	41.47		1.85	43.32		68.2		-24.88
	/ /								54	
						/		7	1	~ /





			11a	c(VHT20) CH	136: 5180M	IH7			
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBµV)	AV reading (dBµV)	Correction Factor (dB/m)	Emission Peak	on Level	Peak limit (dBµV/m)	AV limit (dBµV/m)	Margin (dB)
					(dBµV/m)	(dBµV/m)			
10360	Н	40.24		1.78	42.02		68.2		-26.18
15540	Н	39.05		5.21	44.26		74	54	-9.74
	H					·		<u></u>	
	(C)		(,c)		(, ((G)	
10360	V	38.19		1.78	39.97	/	68.2		-28.23
15540	V	39.34		5.21	44.55		74	54	-9.45
	V								
			11a	c(VHT20) CH	140: 5200M	lHz			
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)
10400	K H/	40.26	- IXO	1.83	42.09	7)	68.2	(<u>2-</u>)	-26.11
15600	Н	40.47		5.23	45.7		74	54	-8.3
	Н								
10400	V	39.78		1.83	41.61		68.2		-26.59
15600	V	39.41		5.23	44.64		74	54	-9.36
	V								
			1	1ac(VHT20)	CH48:5240)			
Frequency	Ant. Pol.	Peak	AV	Correction	Emissio	n Level	Peak limit	AV limit	Margin
(MHz)	H/V	reading (dBµV)	reading (dBµV)	Factor (dB/m)	Peak (dBµV/m)	AV (dBµV/m)	(dBµV/m)	(dBµV/m)	(dB)
10480	Н	37.16		1.85	39.01	(68.2		-29.19
15720	Н	38.57		5.25	43.82	'	74	54	-10.18
	Н								
						•			
10480	V	38.27	+ 6	1.85	40.12	· · · · · · · · · · · · · · · · · · ·	68.2		-28.08
15720	V	39.85		5.25	45.1	<i></i>	74	54	-8.9
	V								
			1	1ac(VHT40)	CH38:5190)			
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)
10380	Н	40.55		1.80	42.35	Z	68.2	<u></u>	-25.85
15570	(CH)	39.3	420	5.22	44.52	3)	74	54	-9.48
	Н					/ <u></u>			
			-	.	-	-	-		
10380	V	38.13		1.80	39.93		68.2		-28.27
15570	V	39.26		5.22	44.48	(74	54	-9.52
\ <u>-</u>	V				/ <u></u> -		<u></u>		
				_					_



	TESTING (CENTRE TECHNO					Rep	ort No.: TCT	241230E03
			11	lac(VHT40)	CH46:5230				
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBµV)	AV reading (dBµV)	Correction Factor (dB/m)	Emissi Peak	on Level	Peak limit (dBµV/m)		Margin (dB)
		(αΒμν)		(ub/III)	(dBµV/m)				
10460	Н	38.69		1.85	40.54		68.2		-27.66
15690	Н	39.52		5.08	44.6		74	54	-9.4
	Н								
						<u> </u>			
10460	V	39.68	(, C)	1.85	41.53		68.2	∠C -1	-26.67
15690	V	40.12		5.08	45.2		74	54	-8.8
	V								
				x(HE20) CH	36: 5180MH	lz			
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)
10360	H	39.54		1.78	41.32	<u> </u>	68.2		-26.88
15540	H	40.03	-20	5.21	45.24	/	74	54	-8.76
	Н								
10360	V	38.44		1.78	40.22	/	68.2		-27.98
15540	V	40.28		5.21	45.49	<	74	54	-8.51
	V								
				k(HE20) CH	40: 5200MF	l z			
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	Н	39.71		1.83	41.54		68.2		-26.66
15600	Н	40.25		5.23	45.48	(74	54	-8.52
<u></u>	Н					3	<u></u>		
								•	
10400	V	39.26		1.83	41.09		68.2		-27.11
15600	V	39.15	+(3)	5.23	44.38		74	54	-9.62
	V				🚫	<i></i>		`\	
			1	1ax(HE20) (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	AV	(dBµV/m)	(dBµV/m)	(dB)
				, ,	(dBµV/m)	(dBµV/m)			
10480	Н	38.41		1.85	40.26		68.2		-27.94
15720	H	39.15	- 	5.25	44.4	X	74	54	-9.6
	(CH)		40		(<	5		(_K G)	
10480	V	38.27		1.85	40.12		68.2		-28.08
15720	V	39.63		5.25	44.88		74	54	-9.12
. () 2-1-	V	(-6-)		(. C)		(



	TESTING (CENTRE TECHNOI	.OGY	Report No.: TCT241230E035							
			•	11ax(HE40) (CH38:5190						
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)		
10380	Н	40.03		1.80	41.83	(/	68.2		-26.37		
15570	Н	39.56		5.22	44.78		74	54	-9.22		
	Н										
						2					
10380	V	38.17	(2 6)	1.80	39.97		68.2	(,C)	-28.23		
15570	V	38.73		5.22	43.95	<u> </u>	74	54	-10.05		
	V										
				11ax(HE40) (CH46:5230						
Frequency	Ant. Pol.	Peak reading	AV reading	Correction Factor	Emissi	on Level			Margin		
(MHz)	H/V	(dBµV)	(dBµV)	(dB/m)	Peak (dBµV/m)	AV (dBµV/m)	(dBµV/m)	(dBµV/m)	(dB)		
10460	H	38.02		1.85	39.87		68.2	(4)	-28.33		
15690	H	39.62	-40	5.08	44.7	J	74	54	-9.3		
	Н										
10460	V	39.88		1.85	41.73	/	68.2		-26.47		
15690	V	40.14		5.08	45.22		74	54	-8.78		
	V										

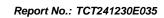
Note:

- 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	Modulation Ty	vne: Band 3	2			
			IN .	11a CH149:	4.	,			
Frequency	Ant. Pol.	Peak reading	AV reading	Correction Factor		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	44.68		2.48	47.16		74	54	-6.84
17235	Ŧ	37.11		6.50	43.61		68.2		-24.59
	(H)		+:0		(, c	<u> </u>		(, (,)	
11490	V	45.36		2.48	47.84		74	54	-6.16
17235	V	38.02		6.50	44.52		68.2		-23.68
	V	()		(.c)					
				11a CH157:	5785MHz				
Frequency (MHz)	Ant. Pol. H/V	Peak reading	AV reading	Correction Factor		n Level	Peak limit (dBµV/m)	AV limit (dBµV/m)	Margin (dB)
(WII 12)	11/ V	(dBµV)	(dBµV)	(dB/m)	Peak (dBµV/m)	AV (dBµV/m)	(αΒμ ν/ιιι)	(αΒμ ۷/۱11)	(42)
11570	Н	43.13		2.42	45.55		74	54	-8.45
17355	Н	38.37		7.03	45.4		68.2		-22.8
	Н			()					(K)
(C)		(χG)		120)		(O')		120
11570	V	43.26		2.42	45.68		74	54	-8.32
17355	V	39.58		7.03	46.61		68.2		-21.59
	V					Z		<u></u>	
				11a CH165:	5825MHz				
Frequency (MHz)	Ant. Pol. H/V	Peak reading	AV reading	Correction Factor		n 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)	(ab)
11650	Н	43.02		2.41	45.43		74	54	-8.57
17475	Н	36.13		7.41	43.54		68.2		-24.66
	Н								
11650	V	43.16		2.41	45.57	<i></i>	74	54	-8.43
17475	V	38.72		7.41	46.13		68.2		-22.07
	V								
				<u>(HT20) CH1</u>	49: 5745M	Hz			
Frequency	Ant. Pol. H/V	Peak reading	AV reading	Correction Factor	Emissio	n Level	Peak limit	AV limit	Margin
(MHz)	⊓/ V	(dBµV)	(dBµV)	(dB/m)	Peak (dBµV/m)	AV (dBµV/m)	(dBµV/m)	(dBµV/m)	(dB)
11490	(*CH,)	44.02	-420	2.48	46.5	(`ر	74	54	-7.5
17235	H	38.67		6.50	45.17	J	68.2		-23.03
	Н								
11490	V	44.36		2.48	46.84	(74	54	-7.16
17235	V	39.15		6.50	45.65		68.2		-22.55
	V								



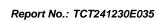


			11r	n(HT20) CH1	57: 5785M	Hz			
Frequency (MHz)	Ant. Pol. H/V	Peak reading	AV reading	Correction Factor	Emissio	on Level	Peak limit (dBµV/m)	AV limit (dBµV/m)	Margin (dB)
` ,		(dBµV)	(dBµV)	(dB/m)	Peak (dBµV/m)	, , ,	` ' '	, ,	, ,
11570	Н	44.86		2.42	47.28		74	54	-6.72
17355	Н	39.03		7.03	46.06		68.2		-22.14
	Н								
	(G')		(C)		(, ((C_{i})	
11570	V	44.78		2.42	47.2	/	74	54	-6.8
17355	V	39.14		7.03	46.17		68.2		-22.03
	V								
			11r	(HT20) CH1	65: 5825M	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)	AV (dBµV/m)	(dBµV/m)	(dBµV/m)	(dB)
11650	(H)	45.79	140	2.41	48.2)	74	54	-5.8
17475	Н	37.18		7.41	44.59		68.2		-23.61
	Н								
						/			
11650	V	45.45		2.41	47.86		74	54	-6.14
17475	V	40.06		7.41	47.47		68.2		-20.73
	V								
			11r	(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	44.11		2.47	46.58	/	74	54	-7.42
17265	Н	37.25		6.62	43.87		68.2		-24.33
	Н								
								<u> </u>	
11510	V	44.8		2.47	47.27		74	54	-6.73
17265	V	38.24		6.62	44.86	٠/	68.2	(2)	-23.34
	V								
			11r	(HT40) CH1	59: 5795M	Hz			
Frequency	Ant. Pol.	Peak reading	AV reading	Correction Factor		n Level	Peak limit		Margin
(MHz)	H/V	(dBµV)	(dBµV)	(dB/m)	Peak (dBµV/m)	AV (dBµV/m)	(dBµV/m)	(dBµV/m)	(dB)
11590	_Н.	44.67		2.40	47.07	(GD# 1/111)	74	54	-6.93
17385	(H)	38.52	-4-, 6	7.15	45.67	5)	68.2	- 	-22.53
	Н) 			-22.33
11590	V	44.69		2.40	47.09		74	54	-6.91
17385	V	37.12		7.15	44.27	(68.2		-23.93
	V				/		<u></u>		





			11ac	(VHT20) CH	149: 5745 	ИНz			
Frequency (MHz)	Ant. Pol. H/V	Peak reading (dBµV)	AV reading (dBµV)	Correction Factor (dB/m)	Peak	on Level	Peak limit (dBµV/m)	AV limit (dBµV/m)	Margin (dB)
					(dBµV/m)	(dBµV/m)			
11490	Н	44.26		2.48	46.74		74	54	-7.26
17235	Н	37.19		6.50	43.69		68.2		-24.51
	Н		-		=				
	(G)				(, ((G)	
11490	V	44.34	-1	2.48	46.82		74	54	-7.18
17235	V	38.17		6.50	44.67		68.2		-23.53
	V) !							
			11ac	(VHT20) CH	157: 5785N	ИНz			
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)
11570	KH/	43.48	-140	2.42	45.9)	74	54	-8.1
17355	Н	36.3		7.03	43.33		68.2		-24.87
	Н								
	•								
11570	V	43.56		2.42	45.98	(74	54	-8.02
17355	V	38.94		7.03	45.97		68.2		-22.23
	V								
			11ac	(VHT20) CH	165: 5825N	ИНz			
Frequency	Ant. Pol.	Peak reading	AV reading	Correction		on Level	Peak limit	AV limit	Margir
(MHz)	H/V	(dBµV)	(dBµV)	(dB/m)	Peak (dBµV/m)	ΑV (dBμV/m)	(dBµV/m)	(dBµV/m)	(dB)
11650	Н	44.25		2.41	46.66	(74	54	-7.34
17475	Н	38.14		7.41	45.55		68.2		-22.65
	Н								
ļ						<u> </u>	<u> </u>	<u> </u>	
11650	V	44.36		2.41	46.77		74	54	-7.23
17475	V	40.08	-20	7.41	47.49)	68.2		-20.71
	V								
	•			(VHT40) CH	151· 5755N	ИН г			
Frequency	Ant. Pol.	Peak reading	AV reading	Correction Factor		nission Level Peak limit AV limit			Margir
(MHz)	H/V	(dBµV)	(dBµV)	(dB/m)	Peak (dBuV/m)	ΑV (dBμV/m)	(dBµV/m)	(dBµV/m)	(dB)
11510	Ж	44.25		2.47	46.72	(GD#17111)	74	54	-7.28
17265	(H)	37.06	-4-0	6.62	43.68	5)	68.2	34	-24.52
	H				43.00) 			-24.52
	TI			I		<u> </u>			
11510	V	43.58		2.47	46 OF		74	5 <i>1</i>	7.05
1310		_ / <			46.05		74 68.2	54	-7.95 -25.46
17265	V	36.12		6.62	42.74		600		1) [//





			11ac	(VHT40) CH	159: 5795	MHz			
Frequency	Ant. Pol.	Peak reading	AV reading	Correction Factor	Emission 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	Н	43.58		2.40	45.98		74	54	-8.02
17385	Н	37.05		7.15	44.2		68.2		-24
	H								
	(, c) \		(c)			5))		(G)	
11590	V	42.12		2.40	44.52	/ 	74	54	-9.48
17385	V	38.18		7.15	45.33		68.2		-22.87
	V								
			11a	x(HE20) CH	149: 5745N	1Hz			
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)	45.27	-1/20	2.48	47.75	٠	74	54	-6.25
17235	Н	37.14)	6.50	43.64		68.2)	-24.56
	Н								
11490	V	45.06		2.48	47.54		74	54	-6.46
17235	V	38.11		6.50	44.61		68.2		-23.59
	V								
			11a	x(HE20) CH	157: 5785N	1Hz			
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)
11570	Н	43.06		2.42	45.48	(74	54	-8.52
17355	Н	36.79		7.03	43.82		68.2		-24.38
	Н								
•				•					
11570	V	44.35	- -f- 6	2.42	46.77		74	54	-7.23
17355	V	38.24		7.03	45.27	<i></i>	68.2	(0)	-22.93
	V								
			11a	x(HE20) CH	165: 5825N	1Hz			
Frequency	Ant. Pol.	Peak reading	AV reading	Correction Factor	Emissio	nission 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	43.79		2.41	46.2		74	54	-7.8
17475	(H)	39.14	-4,0	7.41	46.55	5)	68.2	(, G-)	-21.65
	Н					<i>—</i>			
11650	\/	42.06		2.44	40.07		7.4		7.00
11650 17475	V	43.96		2.41	46.37		74	54	-7.63
17475		39.24		7.41	46.65		68.2		-21.55
	V								



	TESTING C	ENTRE TECHNOI	.OGY	Report No.: TCT241230E035							
			11a	x(HE40) CH	151: 5755N	1Hz					
Frequency (MHz)	Ant. Pol. H/V	Peak reading	AV reading	Correction Factor		on Level	Peak limit (dBµV/m)		Margin (dB)		
,		(dBµV)	(dBµV)	(dB/m)	Peak (dBµV/m)	AV (dBµV/m)	(* * ,)	(* * /	(- /		
11510	Н	43.37		2.47	45.84		74	54	-8.16		
17265	Н	37.12		6.62	43.74		68.2		-24.46		
	Η										
						7					
11510	٧	43.85	42	2.47	46.32)	74	54	-7.68		
17265	>	36.08		6.62	42.7	/	68.2		-25.5		
	V										
			11a	x(HE40) CH	159: 5795N	1Hz					
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)	(aBµv/m)	(dBµV/m)	(dB)		
11590	H	44.29	-+- (5)	2.40	46.69	<u> </u>	74	54	-7.31		
17385	H	37.63	-40	7.15	44.78)	68.2	()	-23.42		
	Н										
11590	V	43.03		2.40	45.43		74	54	-8.57		
17385	V	38.48		7.15	45.63		68.2		-22.57		
	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:

Test mode:	802.11ax(HE20)	Freque	ency(MHz):		5180
Temperature (°C)	Voltage(V _{AC})	Measui Frequen		Delta Frequency(Hz)	Result
45		518	80	0		PASS
35		518	80	0		PASS
25	120V	5180		0		PASS
15	1200	518	80	0		PASS
5		518	80	0		PASS
0		518	80	0		PASS
	102V	51	80	0		PASS
25	120V	518	80	0.0	•)	PASS
	138V	518	80	0		PASS

Test mode:	802.11ax	(HE20)	Freque	ency(MHz):		5200
Temperature (°C)	Voltage(V _{AC})	Measu	rement	Delta		Result
remperature (C)	voltage(v _{AC})	Frequen	cy(MHz)	Frequency(Hz)		Nesuit
45		52	00	0		PASS
35		52	00	0		PASS
25	120V	52	00	0		PASS
15	1200	52	00	0		PASS
5		52	00	0		PASS
0		52	00	0		PASS
	102V	52	00	0		PASS
25	120V	52	00	0		PASS
	138V	52	00	0		PASS

Test mode:	802.11ax(HE20) Fr	equency	(MHz):	5240
Temperature (°C)	Voltage(V _{AC})	Measureme	nt	Delta	、 Result
Temperature (C)	voitage(v _{AC})	Frequency(M	Hz) Fre	equency(Hz	z) Result
45		5240	(C_{i})	0	PASS
35		5240		0	PASS
25	120V	5240		0	PASS
15	1200	5240		0	PASS
5		5240		0	PASS
0		5240		0	PASS
	102V	5240		0	PASS
25	120V	5240		0	PASS
	138V	5240		0	PASS



Test mode:		802.11ax(l	HE20)	Freque	ency(MH	z):	5745	
Tomporatura (°C)		tage(V _{AC})	Measurement		Delta		Po	sult
Temperature (°C)	VOI	lage(V _{AC})	Frequency(MHz)		Frequency(Hz)		Ke	Suit
45	(,0		5744	4.96	-40000		PA	SS
35			574	4.98	-20000		PA	SS
25		120V 5744.9		4.96	-40	0000	PA	SS
15		1200	574	4.96	-40	0000	PA	SS
5		(, G)	574	4.96	-40	0000	PA	SS
0			574	4.96	-40	0000	PA	SS
		102V	574	4.98	-20	0000	PA	SS
25		120V	574	4.96	-40	0000	PA	SS
(C)	1/40	138V	574	4.96	-40	0000	PA	SS

Test mode:	802.11ax(HE20) Frequ	ency(MHz):	5785
Temperature (°C)	Voltage(V _{AC})	Measurement	Delta	Result
Temperature (C)	voltage(v _{AC})	Frequency(MHz)	Frequency(Hz)	Nesult
45		5784.96	-40000	PASS
35		5784.96	-40000	PASS
25	120V	5784.98	-20000	PASS
15	1200	5784.96	-40000	PASS
5		5784.98	-20000	PASS
0		5784.96	-40000	PASS
	102V	5784.96	-40000	PASS
25	120V	5784.96	-40000	PASS
	138V	5784.98	-20000	PASS

Test mode:	802.11ax(HE20) Frequ	ency(MHz):	5825
Temperature (°C)	Voltage(V _{AC})	Measurement Frequency(MHz)	Delta Frequency(Hz)	Result
45		5824.98	-20000	PASS
35		5824.96	-40000	PASS
25	120V	5824.96	-40000	PASS
15	1200	5824.98	-20000	PASS
5		5824.96	-40000	PASS
0		5824.96	-40000	PASS
	102V	5824.98	-20000	PASS
25	120V	5824.96	-40000	PASS
	138V	5824.98	-20000	PASS



Test mode:		802.11ax(l	HE40)	Freque	ency(M	Hz):	5190		
Temperature (°C)	Volta	ge(V _{AC})	Measurement		Delta			Result	
remperature (C)	volta	ge(VAC)	Frequency(MHz)		Frequency(Hz)		Hz)		
45			51	90	0			PAS	S
35			51	90		0		PAS	S
25	11	420)/		90	0			PASS	
15	120V		51	90		0		PAS	S
5				0.04		10000		PAS	S
0			5190	0.04		10000		PAS	S
	10	02V	51	90		0		PAS	S
25	12	20V	51	90		0		PAS	S
(C, C, C)	(13	38V	5189	9.96	-4	40000)	PAS	S

Test mode:	802.11ax(HE40) Freque	ency(MHz):	5230
Temperature (°C)	Voltage(V _{AC})	Measurement	Delta	Result
Temperature (O)	voltage(v _{AC})	Frequency(MHz)	Frequency(Hz)	rtoodit
45		5230	0	PASS
35		5230	0	PASS
25	120V	5230	0	PASS
15	1200	5230	0	PASS
5		5230	0	PASS
0		5230	0	PASS
(c)	102V	5230	0	PASS
25	120V	5230	0	PASS
	138V	5229.96	-40000	PASS

Test mode:	802.11ax(HE40) Frequ	ency(MHz):	5755
Temperature (°C)	Voltage(V _{AC})	Measurement Frequency(MHz)	Delta Frequency(Hz)	Result
45		5754.96	-40000	PASS
35		5754.96	-40000	PASS
25	120V	5754.96	-40000	PASS
15	1200	5754.96	-40000	PASS
5		5754.96	-40000	PASS
0		5754.96	-40000	PASS
	102V	5754.96	-40000	PASS
25	120V	5754.96	-40000	PASS
	138V	5754.96	-40000	PASS



Test mode:	802.11ax((HE40) Freque		ency(MHz):		5795	
Temperature (°C)	Temperature (°C) Voltage(V _{AC})		Measurement			Result	
remperature (C)	voitage(v _{AC})	Frequenc	cy(MHz)	Frequency(I	Hz)	Nesuit	
45	(.ci)	5794	1.96	-40000		PASS	
35		5794	1.96	-40000		PASS	
25	120V	5794	1.96	-40000		PASS	
15	1200	5794	1.96	-40000		PASS	
5 ()		5794	1.96	-40000	(,	PASS	
0	0		1.96	-40000		PASS	
	102V	5794	1.96	-40000		PASS	
25	120V	5794	1.96	-40000		PASS	\(\sigma\)
(C)	138V	5794	1.96	-40000		PASS	(C, J)





Appendix A: Test Result of Conducted Test

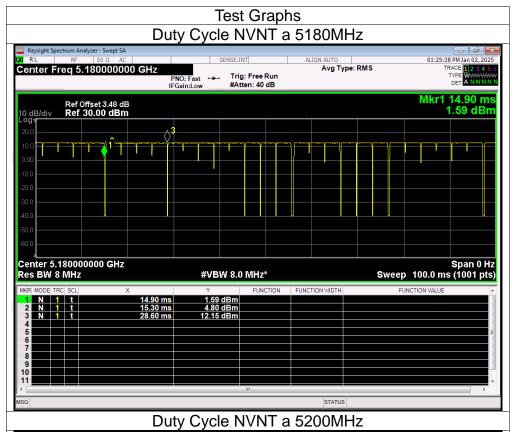
Duty Cycle

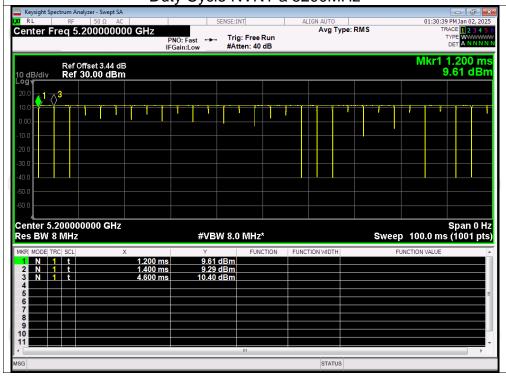
			Cycle	
Condition	Mode	Frequency (MHz)	Duty Cycle (%)	Correction Factor (dB)
NVNT	а	5180	97.6	0.11
NVNT	а	5200	99.1	0
NVNT	а	5240	98.3	0
NVNT	n20	5180	96.8	0.14
NVNT	n20	5200	99.0	0
NVNT	n20	5240	94.51	0.25
NVNT	n40	5190	97.2	0.12
NVNT	n40	5230	98.2	0
NVNT	ac20	5180	97.7	0.10
NVNT	ac20	5200	99.3	0
NVNT	ac20	5240	98.9	0
NVNT	ac40	5190	98.7	0
NVNT	ac40	5230	99.1	0
NVNT	ax20	5180	96.9	0.14
NVNT	ax20	5200	97.7	0.10
NVNT	ax20	5240	98.5	0
NVNT	ax40	5190	94.71	0.24
NVNT	ax40	5230	96.3	0.16
NVNT	а	5745	98.8	0
NVNT	а	5785	99.2	0
NVNT	а	5825	99.1	0
NVNT	n20	5745	99.2	0
NVNT	n20	5785	98.9	0
NVNT	n20	5825	98.1	0
NVNT	n40	5755	99.1	0
NVNT	n40	5795	98.3	0
NVNT	ac20	5745	99.3	0
NVNT	ac20	5785	99.4	0
NVNT	ac20	5825	97.7	0.10
NVNT	ac40	5755	98.2	0
NVNT	ac40	5795	98.7	0
NVNT	ax20	5745	99.1	0
NVNT	ax20	5785	97.6	0.11
NVNT	ax20	5825	99.4	0
NVNT	ax40	5755	98.8	0
NVNT	ax40	5795	98.7	0

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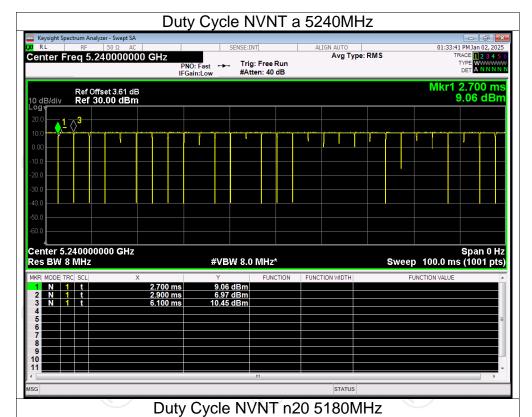
Hotline: 400-6611-140 Tel: 86-755-27673339 Fax: 86-755-27673332 http://www.tct-lab.com

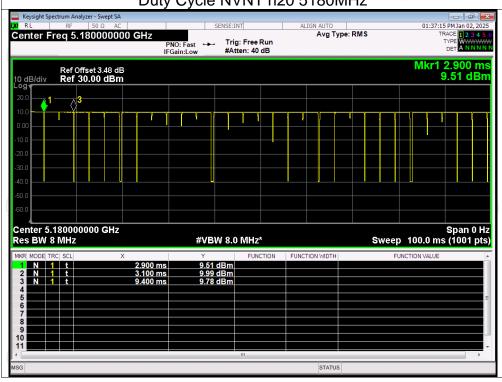




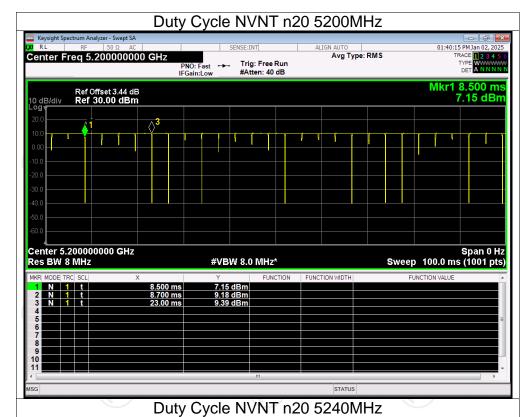


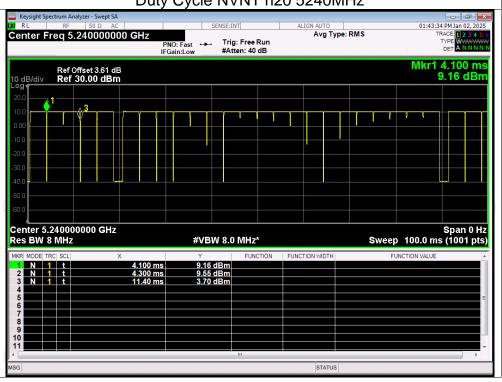




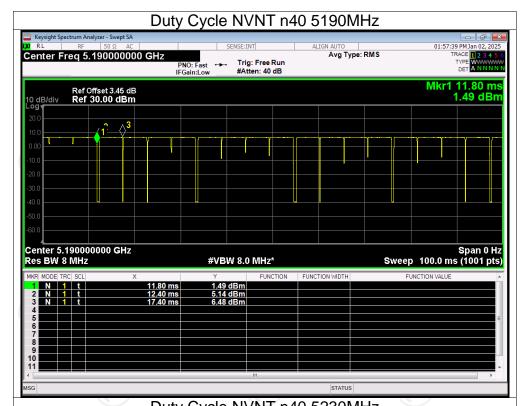


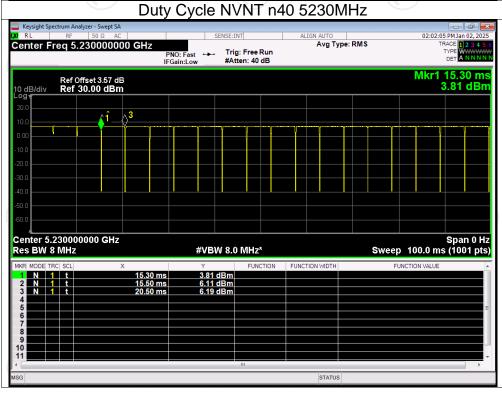




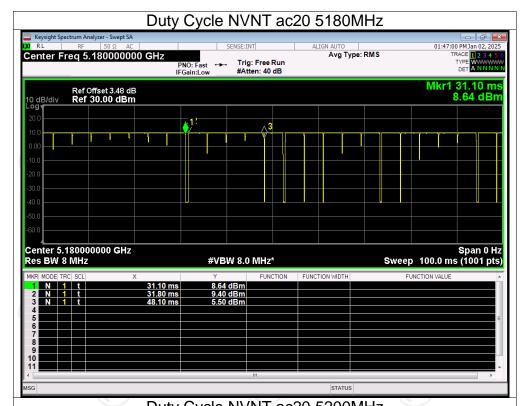


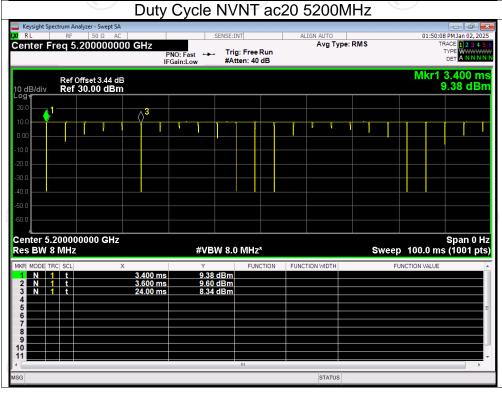




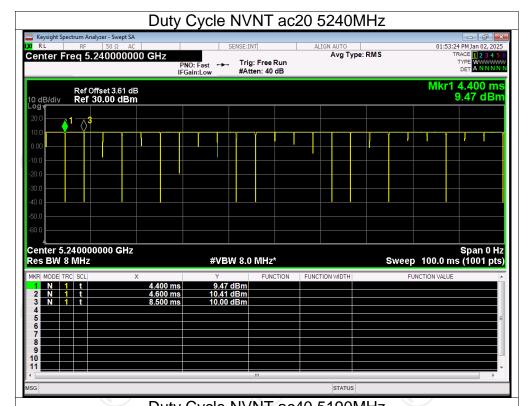


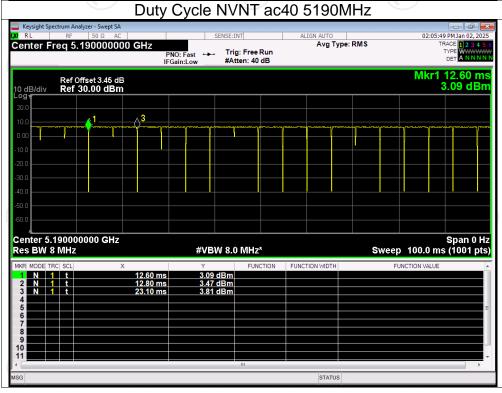




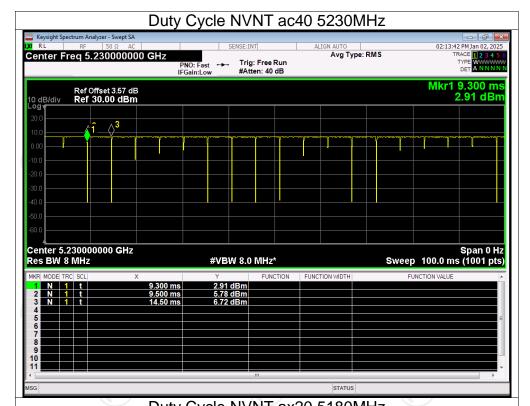


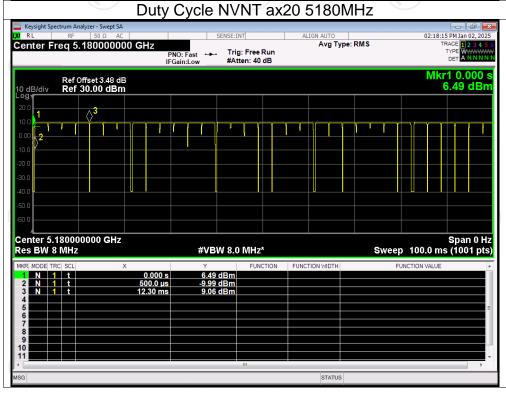




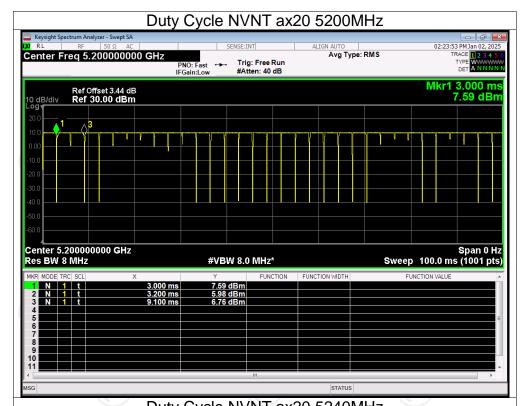


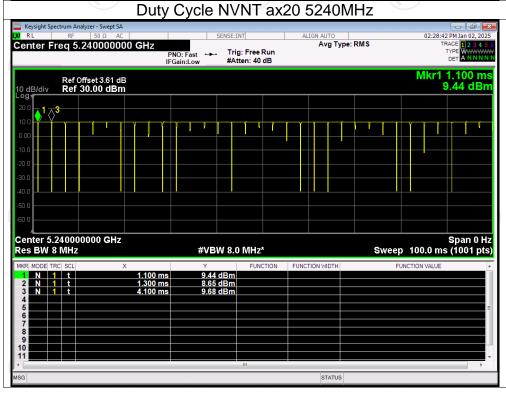




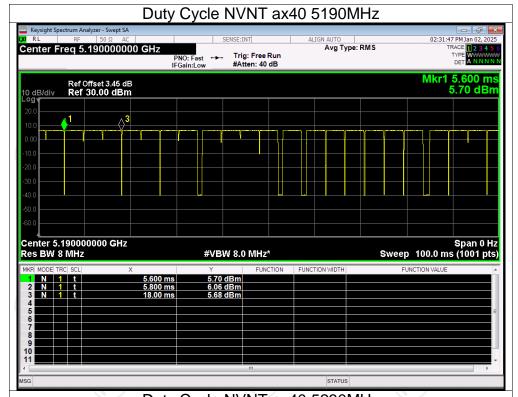


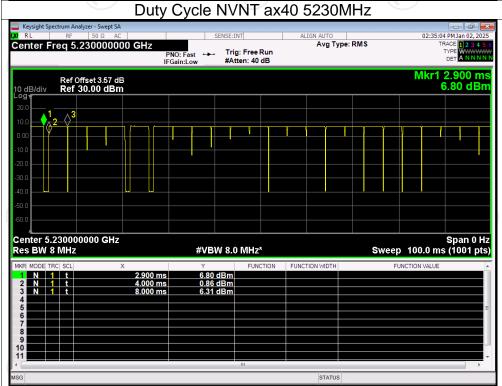




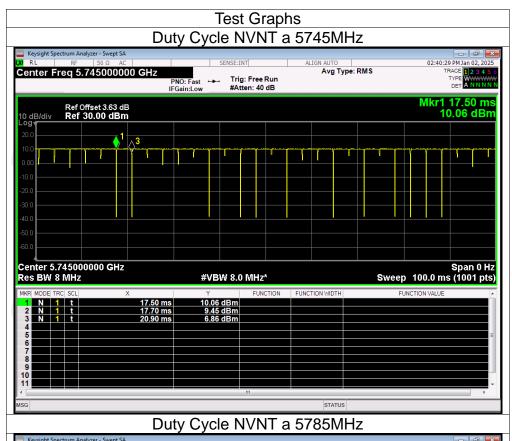


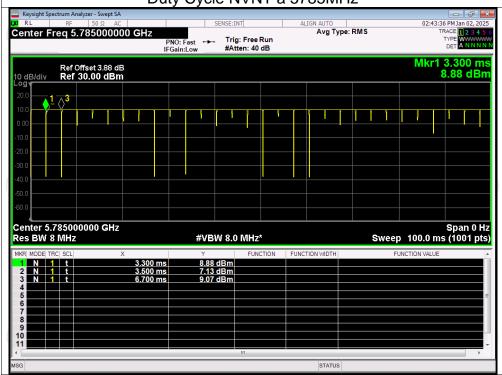




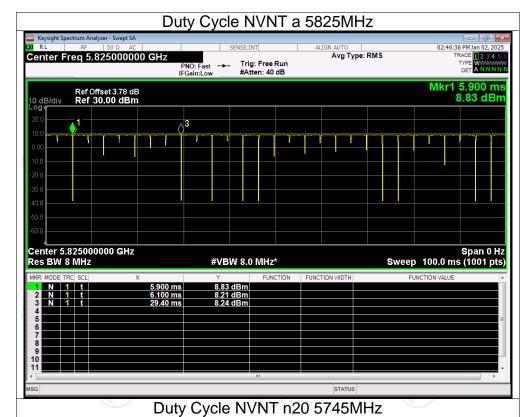


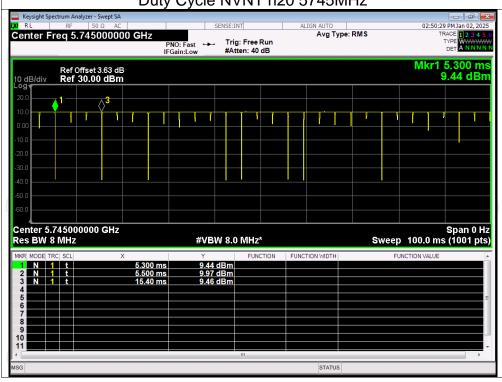




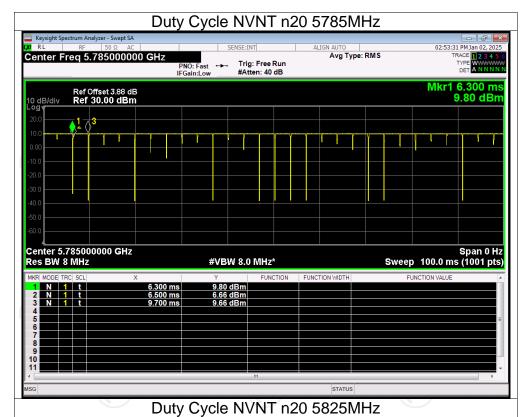


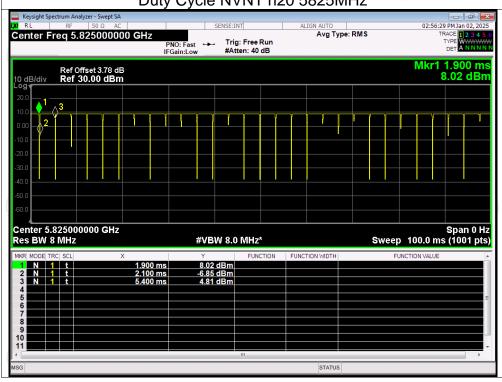




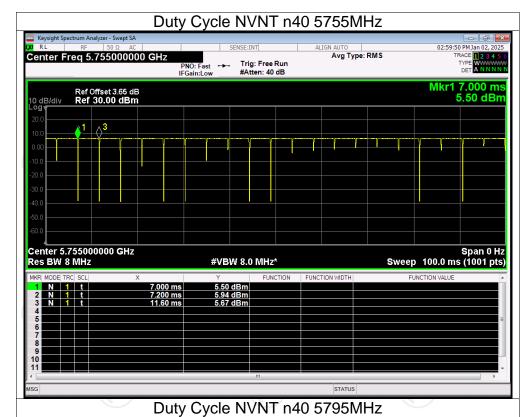


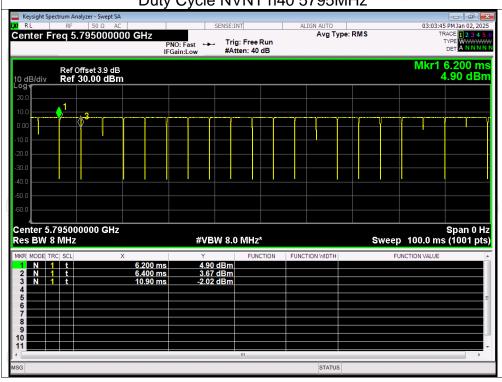




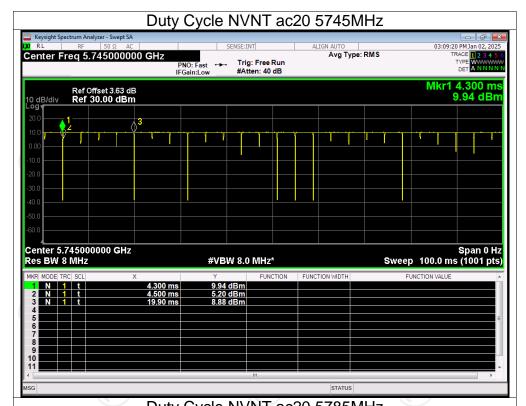


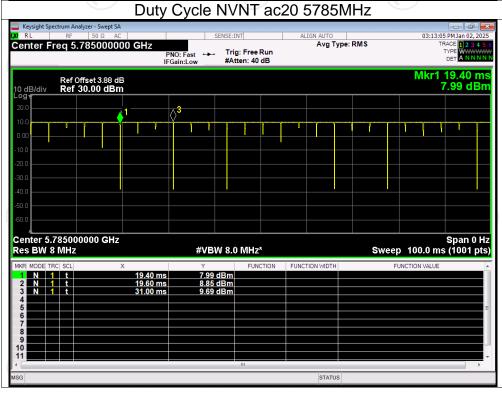




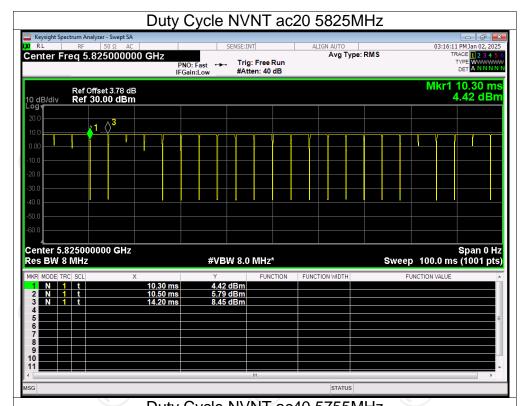


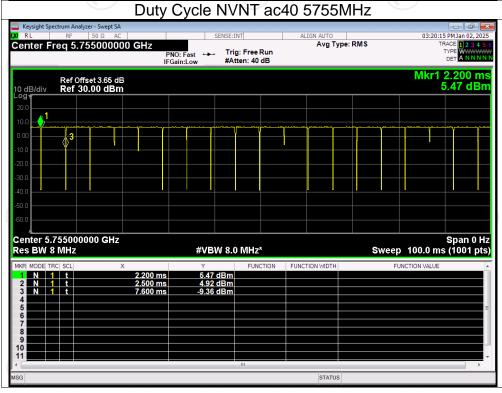




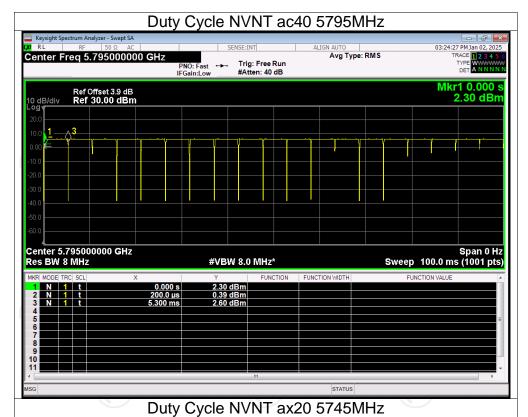


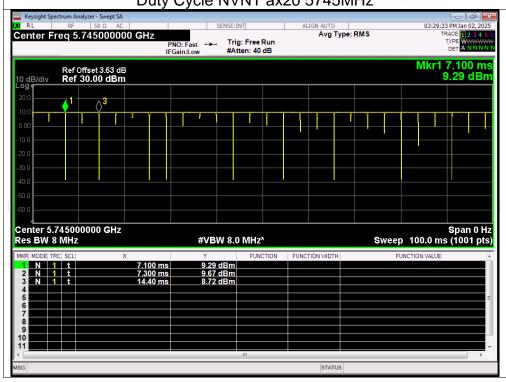




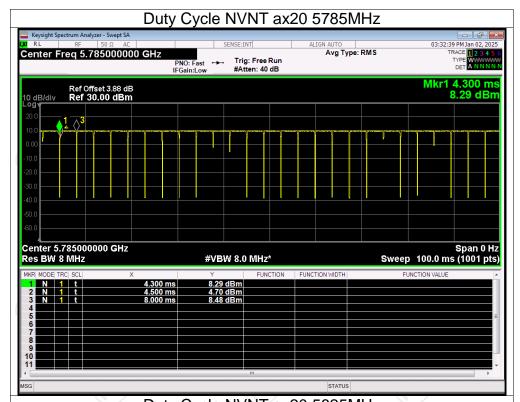


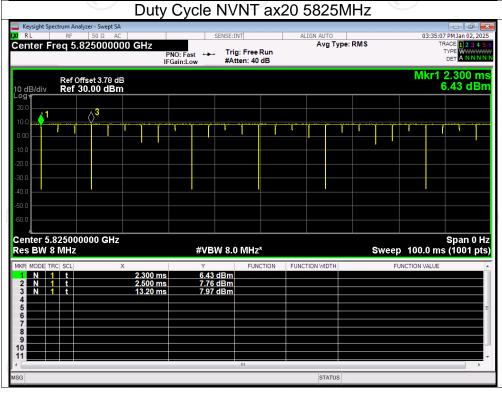




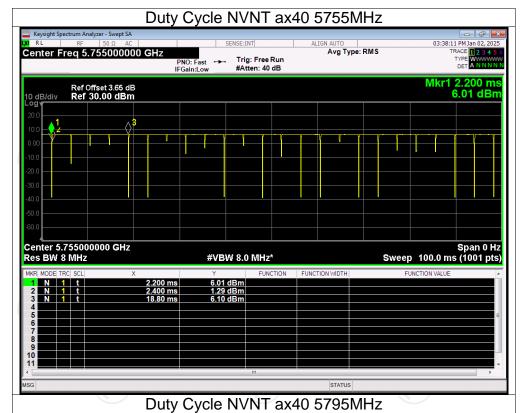


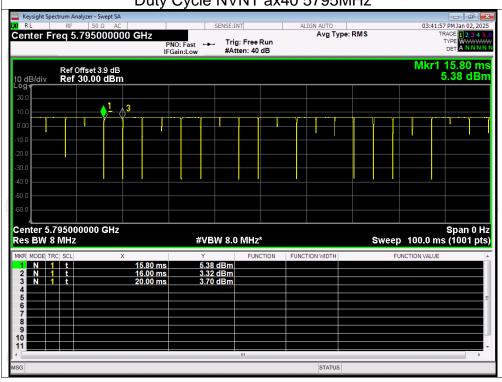














Maximum Conducted Output Power

			in Conducted C	Duty	Total		
Condition	Mode	Frequency (MHz)	Conducted Power (dBm)	Factor (dB)	Power (dBm)	Limit (dBm)	Verdict
NVNT	а	5180	15.93	0.11	16.04	24	Pass
NVNT	а	5200	15.20	0	15.20	24	Pass
NVNT	а	5240	14.23	0	14.23	24	Pass
NVNT	n20	5180	13.49	0.14	13.63	24	Pass
NVNT	n20	5200	13.86	0	13.86	24	Pass
NVNT	n20	5240	13.97	0.25	14.22	24	Pass
NVNT	n40	5190	13.75	0.12	13.87	24	Pass
NVNT	n40	5230	14.00	0	14.00	24	Pass
NVNT	ac20	5180	13.46	0.10	13.56	24	Pass
NVNT	ac20	5200	13.86	0	13.86	24	Pass
NVNT	ac20	5240	14.10	0	14.10	24	Pass
NVNT	ac40	5190	13.65	0	13.65	24	Pass
NVNT	ac40	5230	14.00	0	14.00	24	Pass
NVNT	ax20	5180	13.5	0.14	13.64	24	Pass
NVNT	ax20	5200	13.87	0.10	13.97	24	Pass
NVNT	ax20	5240	14.09	0	14.09	24	Pass
NVNT	ax40	5190	13.51	0.24	13.75	24	Pass
NVNT	ax40	5230	13.84	0.16	14.00	24	Pass
NVNT	а	5745	13.89	0	13.89	30	Pass
NVNT	а	5785	13.88	0	13.88	30	Pass
NVNT	а	5825	12.82	0	12.82	30	Pass
NVNT	n20	5745	14.10	0	14.10	30	Pass
NVNT	n20	5785	13.98	0	13.98	30	Pass
NVNT	n20	5825	12.83	0	12.83	30	Pass
NVNT	n40	5755	14.01	0	14.01	30	Pass
NVNT	n40	5795	13.84	0	13.84	30	Pass
NVNT	ac20	5745	14.20	0	14.20	30	Pass
NVNT	ac20	5785	14.01	0	14.01	30	Pass
NVNT	ac20	5825	12.90	0.10	13.00	30	Pass
NVNT	ac40	5755	14.03	0	14.03	30	Pass
NVNT	ac40	5795	13.81	0	13.81	30	Pass
NVNT	ax20	5745	14.20	0	14.20	30	Pass
NVNT	ax20	5785	13.98	0.11	14.09	30	Pass
NVNT	ax20	5825	13.05	0	13.05	27	Pass
NVNT	ax40	5755	14.04	0	14.04	30	Pass
NVNT	ax40	5795	13.73	0	13.73	30	Pass





