

TEST REPORT

Report No.: BCTC2603102293-4E

Applicant: Shenzhen Renqing Excellent Technology Co., Ltd.

Product Name: Photo Sticker Printer and Cutter

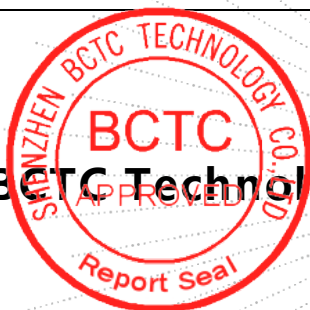
Test Model: RCL1005

Tested Date: 2026-06-17 to 2026-07-20

Issued Date: 2026-07-20



Shenzhen BCTC Technology Co., Ltd.



FCC ID: 2AUA9-RQZY016

Product Name: Photo Sticker Printer and Cutter

Trademark: N/A

Model/Type Reference: RCL1005

Prepared For: Shenzhen Renqing Excellent Technology Co., Ltd.

Address: Room 501, 5th floor, Building B2, Creative City Phase 2, Xiandong Road, Xili Street, Xili Community, Nanshan District, Shenzhen, Guangdong, China, 518000

Manufacturer: Shenzhen Renqing Excellent Technology Co., Ltd.

Address: Room 501, 5th floor, Building B2, Creative City Phase 2, Xiandong Road, Xili Street, Xili Community, Nanshan District, Shenzhen, Guangdong, China, 518000

Prepared By: Shenzhen BCTC Technology Co., Ltd.

Address: Room 101M, Unit 1, Building1, Pengyuan, No.18, Lilang Road, Shanglilang, Nanwan Subdistrict, Longgang District, Shenzhen, Guangdong, China.

Sample Received Date: 2026-03-20

Sample Tested Date: 2026-06-17 to 2026-07-20

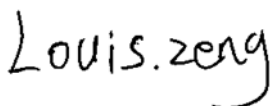
Report No.: BCTC2603102293-4E

Test Standards: FCC Part15 15.407
ANSI C63.10-2020 + Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024

Test Results: PASS

Remark: This is WIFI 5 GHz band radio test report.

Prepared by :



Louis Zeng /Editor

Reviewer by :



Mike Zheng / Supervisor

Approved by:



Sewen Guo/Manager

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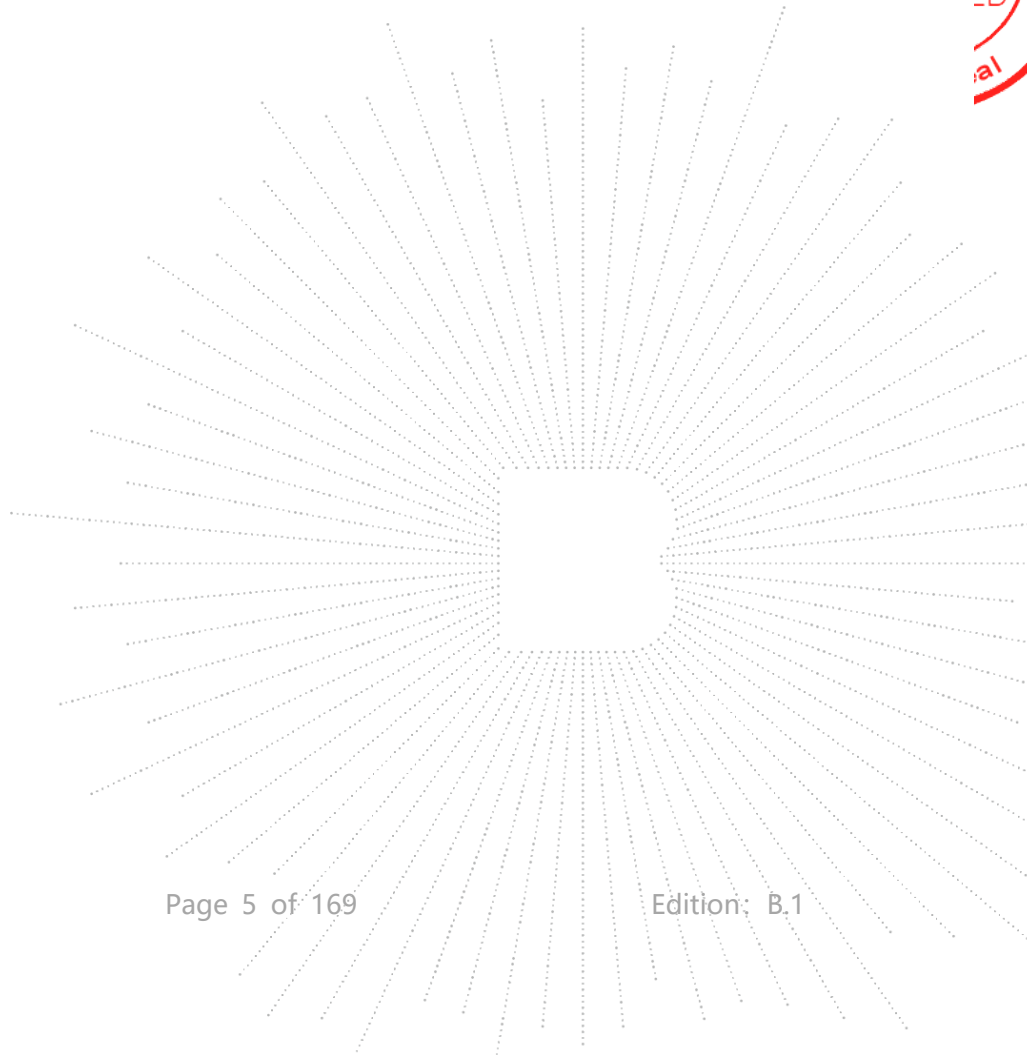
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(Note: N/A Means Not Applicable)

1. Version

Report No.	Issue Date	Description	Approved
BCTC2603102293-4E	2026-07-20	Original	Valid



2. Test Summary

The Product has been tested according to the following specifications:

No.	Test Parameter	Clause No.	Results
1	Spurious Radiated Emissions	15.209(a) 15.407 (b)	PASS*
2	Conducted Emission	15.207	PASS*
3	26 dB and 99% Emission Bandwidth	15.407 a 15.1049	PASS*
4	Minimum 6 dB bandwidth	15.407(e)	PASS*
5	Maximum Conducted Output Power	15.407 a	PASS*
6	Band Edge	15.407 b	PASS*
7	Power Spectral Density	15.407 a	PASS*
8	Spurious Emissions at Antenna Terminals	15.407 b	PASS*
9	Antenna Requirement	15.203	PASS

NOTE1: N/A (Not Applicable)

NOTE2: According to FCC OET KDB 558074, the report use radiated measurements in the restricted frequency bands. In addition, the radiated test is also performed to ensure the emissions emanating from the device cabinet also comply with the applicable limits.

Note 3: "*" indicates that the test results are determined base on CFR 47 FCC Part 15 Subpart C (clause 15.407). And the test results are took into account measurement uncertainty(see section 3 for measurement uncertainty information)

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3. Measurement Uncertainty

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the Product as specified in CISPR 16-4-2:2011/AMD2:2018. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

No.	Item	Uncertainty
1	3m chamber Radiated spurious emission(9kHz-30MHz)	U=3.7dB
2	3m chamber Radiated spurious emission(30MHz-1GHz)	U=4.8dB
3	3m chamber Radiated spurious emission(1GHz-18GHz)	U=5.5dB
4	3m chamber Radiated spurious emission(18GHz-40GHz)	U=5.0dB
5	Conducted Emission(150kHz-30MHz)	U=3.0dB
6	Power Spectral Density	U=3.46dB
7	Peak Power	U=0.31dB
8	Occupied Bandwidth/Frequency Range	U=3.46%
9	Conducted output power uncertainty	U=0.55dB
10	Frequency Error	U= 53.50 Hz
11	Frequency Drift	U=0.64 KHz
12	Temperature	U= 0.59 °C
13	Humidity	U= 5.3 %

4. Product Information And Test Setup

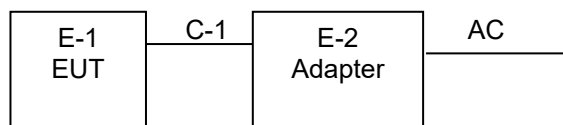
4.1 Product Information

Model/Type reference:	RCL1005
Model differences:	N/A
Device type:	Client
TPC Function:	☐ Applicable ☒ Not Applicable
Hardware Version:	N/A
Software Version:	N/A
IEEE 802.11 WLAN Mode Supported:	☒ 802.11a ☒ 802.11n(20MHz channel bandwidth) ☒ 802.11n(40MHz channel bandwidth) ☒ 802.11ac(20MHz channel bandwidth) ☒ 802.11ac(40MHz channel bandwidth) ☒ 802.11ax(20MHz channel bandwidth) ☒ 802.11ax(40MHz channel bandwidth)
Operation Frequency:	5180-5240MHz for 802.11a/n/ac(VHT20) /ax(HE20); 5190-5230MHz for 802.11n/ac(VHT40) /ax(HE40); 5745-5825MHz for 802.11a/n/ac(VHT20) /ax(HE20); 5755-5795MHz for 802.11n/ac(VHT40) /ax(HE40);
Type of Modulation:	☒ OFDM with BPSK/QPSK/16QAM/64QAM for 802.11a/n ☒ OFDM with BPSK/QPSK/16QAM/64QAM/256QAM for 802.11ac ☒ OFDMA with 1024QAM for 802.11ax HE 802.11ax modulation only supports FULL RU
Antenna installation:	FPC antenna
Antenna Gain:	5.1G: 0.96 dBi 5.8G: 1.58 dBi Remark: ☒ The antenna gain of the product comes from the antenna report provided by the customer, and the test data is affected by the customer information. The laboratory assumes no responsibility for its authenticity. ☐ The antenna gain of the product is provided by the customer, and the test data is affected by the customer information. The laboratory assumes no responsibility for its authenticity.
Ratings:	DC 24V From Adapter
Adapter:	Manufacture: HUIZHOU FUJIA APPLIANCE TECH. CO., LTD. Model No.: FJ-GN636S2401500N Input: AC 100-240V 50/60Hz 1.5A Output: DC 24V 1.5A 36W

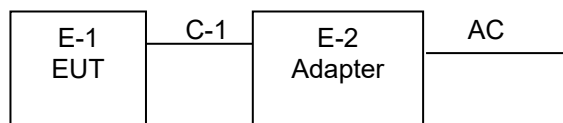
4.2 Test Setup Configuration

See test photographs attached in *EUT TEST SETUP PHOTOGRAPHS* for the actual connections between Product and support equipment.

Conducted Emission:



Radiated Spurious Emission:



4.3 Support Equipment

No.	Device Type	Brand	Model	Series No.	Note
E-1	Photo Sticker Printer and Cutter	N/A	RCL1005	N/A	EUT
E-2	Adapter	N/A	FJ-GN636S2401500N	N/A	Auxiliary

Item	Shielded Type	Ferrite Core	Length	Note
C-1	N/A	N/A	N/A	N/A

Notes:

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.

4.4 Channel List

(U-NII-1) 5180MHz-5240MHz				
Bandwidth	Channel	Frequency (MHz)	Channel	Frequency (MHz)
20MHz	36	5180	40	5200
	44	5220	48	5240
40MHz	38	5190	46	5230
(U-NII-3) 5745MHz-5825MHz				
Bandwidth	Channel	Frequency (MHz)	Channel	Frequency (MHz)
20MHz	149	5745	153	5765
	157	5785	161	5805
	165	5825		
40MHz	151	5755	159	5795

4.5 Test Mode

To investigate the maximum EMI emission characteristics generates from EUT, the test system was pre-scanning tested base on the consideration of following EUT operation mode or test configuration mode which possible have effect on EMI emission level. Each of these EUT operation mode(s) or test configuration mode(s) mentioned above was evaluated respectively.

Pretest Mode	Description
Mode 1	802.11a/ n/ ac/ ax 20, CH36/ CH40/ CH 48 802.11a/ n/ ac/ ax 20, CH149/ CH157/ CH 165
Mode 2	802.11n/ ac/ ax 40, CH38/ CH 46 802.11n/ ac/ ax 40, CH 151/ CH 159
Mode 3	Transmit mode

Note:

1. The measurements are performed at the highest, middle, lowest available channels.
2. The measurements are performed at all Bit Rate of Transmitter, the worst data was reported
3. The battery is fully-charged during the radiated and RF conducted test.
4. The 802.11ax mode is investigated among different tones(26/52/106/242-tone RU channel), full resource units (RU), partial resource units. The partial RU has no higher power than full RU's, thus the full RU is chosen as main test configuration.

4.6 Table Of Parameters Of Text Software Setting

During testing channel & power controlling software provided by the customer was used to control the operating channel as well as the output power level. The RF output power selection is for the setting of RF output power expected by the customer and is going to be fixed on the firmware of the final end product power parameters

RF Function	Mode Or Modulation Type	Power Class	Software For Testing
WIFI 5G	802.11a	Default	CMD
	802.11n20	Default	
	802.11n40	Default	
	802.11ac20	Default	
	802.11ac20	Default	
	802.11ax20	Default	
	802.11ax40	Default	

5. Test Facility And Test Instrument Used

5.1 Test Facility

All measurement facilities used to collect the measurement data are located at Shenzhen BCTC Technology Co., Ltd.

Address: Room 101M, Unit 1, Building1, Pengyuan, No.18, Lilang Road, Shanglilang, Nanwan Subdistrict, Longgang District, Shenzhen, Guangdong, China.

The site and apparatus are constructed in conformance with the requirements of ANSI C63.4a-2017 and CISPR 16-1-1:2019 other equivalent standards.

FCC Test Firm Registration Number: 754702

ANAB certificate registration number is: CN3479

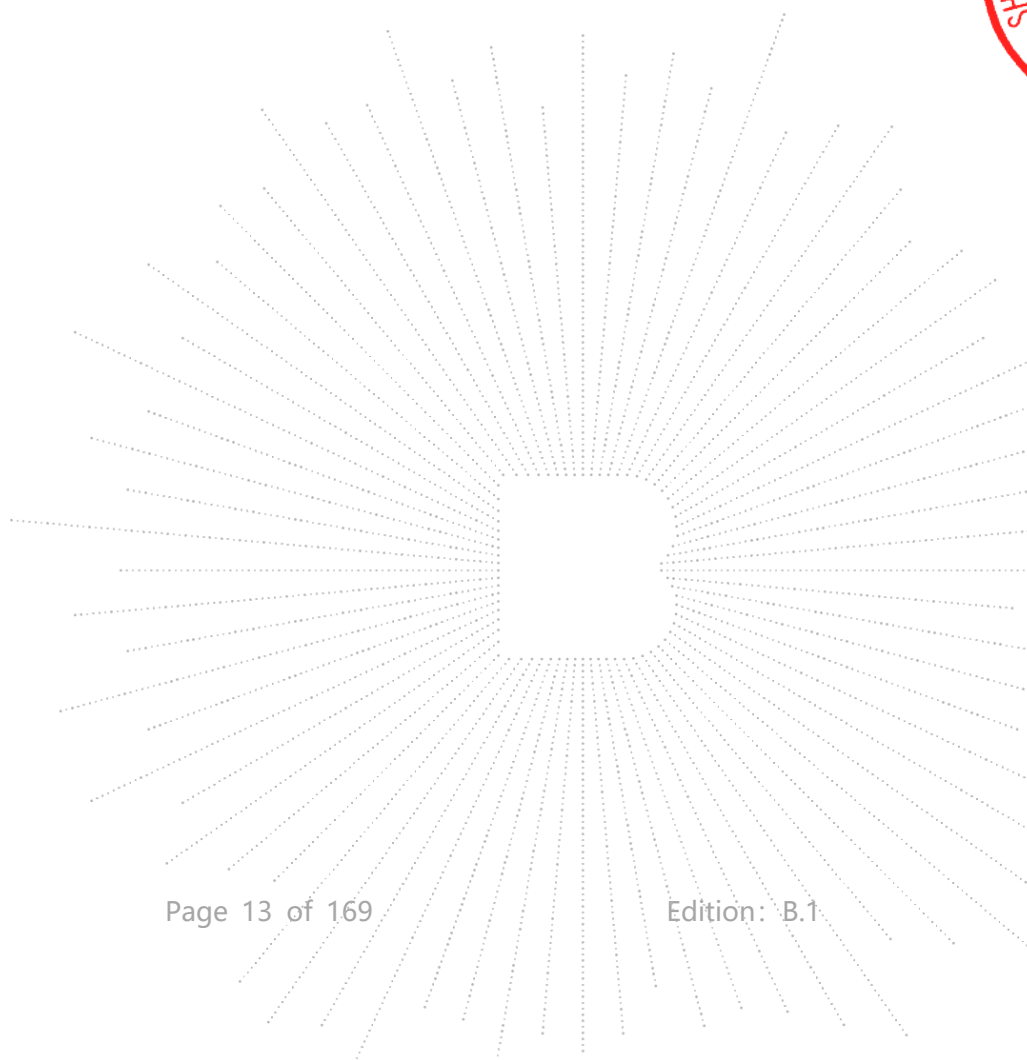
5.2 Test Instrument Used

Conducted emissions Test					
Equipment	Manufacturer	Model#	Serial#	Last Cal.	Next Cal.
Receiver	R&S	ESCI	101421	2025.08.30	2026.08.29
AMN	SCHWHRZBECK	NSLK8128	05152	2026.01.22	2027.01.21
AMN	SCHWHRZBECK	NSLK8127	8127739	2025.09.16	2026.09.15
Pulse Limiter	SCHWHRZBECK	VTSD 9561-F-N	00547	2025.08.30	2026.08.29
Temperature & Humidity	Wetest	HTC-1	/	2025.09.01	2026.08.31
Software	EZ-EMC	Ver.EMC-CON 3A1	/	/	/

Radiated Emissions Test (966 Chamber)					
Equipment	Manufacturer	Model#	Serial#	Last Cal.	Next Cal.
966 chamber	ChengYu	966 Room	966	2023.09.25	2026.09.24
Loop Antenna	Schwarzbeck	FMZB1519B	00014	2026.01.05	2027.01.04
Broadband antenna	SCHWHRZBE CK	VULB9168	01620	2025.08.29	2026.08.28
Horn antenna (1 GHz -18GHz)	SCHWARZBE CK	BBHA 9120 D	2792	2025.08.29	2026.08.28
Horn antenna (18 GHz -40GHz)	SCHWARZBE CK	BBHA9170	00822	2025.12.29	2026.12.28
Receiver	R&S	ESR	1316	2025.08.30	2026.08.29
Spectrum Analyzer	R&S	FSV40	101328	2026.01.22	2027.01.21
Amplifier	SCHWHRZBE CK	BBV9744	568	2025.08.30	2026.08.29
Amplifier	EMC INSTRUMENT S CORPORATIO N	EMC0518A45 SEE	EMT-SZ2233	2025.08.30	2026.08.29
Amplifier (18GHz-40GHz)	MITEQ	TTA1840-35- HG	2034381	2026.05.09	2027.05.08
Band 5.1G-5.3G Filter	COM-MW	ZBSF6-C2400 -2483.5-1116	2220981	2025.08.30	2026.08.29
Band 5.4G-5.7G Filter	COM-MW	ZBSF6-C5475 -5725-1118	2220982	2025.08.30	2026.08.29
Band 5.7G-5.8G Filter	COM-MW	ZBSF6-C5725 -5850-1082	2220979	2025.08.30	2026.08.29
RF cable 3# (9kHz-6GHz)	Yunyi	10M	/	2025.08.30	2026.08.29
RF cable 9# (9kHz-1GHz)	Yunyi	2M	/	2025.10.28	2026.10.27
RF cable 5# (1GHz -18GHz)	SKET	9M	18038626	2025.08.30	2026.08.29
RF cable 6# (1GHz -18GHz)	SKET	5M	#10	2025.09.05	2026.09.04
RF cable 10# (18GHz-40GHz)	/	2M	2M	2026.05.09	2027.05.08
RF cable 11# (18GHz-40GHz)	/	2.5M	2.5M	2026.05.09	2027.05.08
Temperature & Humidity	Wetest	HTC-1	/	2025.09.05	2026.09.04
Communication test set	R&S	CMW500	157483	2025.08.30	2026.08.29
Software	EZ-EMC	Ver.FA-03A2	/	/	/

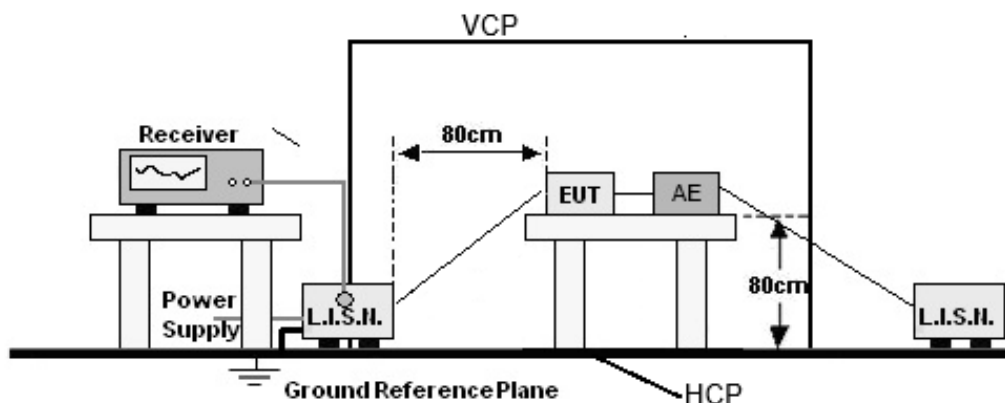


RF Conducted Test					
Equipment	Manufacturer	Model#	Serial#	Last Cal.	Next Cal.
Spectrum Analyzer	Keysight	N9020A	MY51287403	2025.08.30	2026.08.29
Signal Generator	Keysight	N5182A	MY50144088	2025.08.30	2026.08.29
Power Sensor	Keysight	U2001	MY51250006	2025.10.28	2026.10.27
Temperature & Humidity	Wetest	HTC-1	/	2025.09.01	2026.08.31
Communication test set	R&S	CMW500	157483	2025.08.30	2026.08.29
Radio frequency control box	MWRFTest	MW100-RFCB	\	\	\
Software	MWRFTest	MTS 8310	V 3.0.0.0	\	\
D.C. Power Supply	Elektro-Automatik GmbH & Co.KG	D-41747 Viersen	6230316	2025.09.30	2026.08.29
Temperature and humidity test chamber	Auchno	OJN-9606-408 L	19120183	2025.07.09	2026.07.08



6. Conducted Emissions

6.1 Block Diagram Of Test Setup



6.2 Limit

Frequency (MHz)	Limit (dBuV)	
	Quas-peak	Average
0.15 -0.5	66 - 56 *	56 - 46 *
0.50 -5.0	56.00	46.00
5.0 -30.0	60.00	50.00

Notes:

- *Decreasing linearly with logarithm of frequency.
- The lower limit shall apply at the transition frequencies.

6.3 Test procedure

Receiver Parameters	Setting
Attenuation	10 dB
Start Frequency	0.15 MHz
Stop Frequency	30 MHz
IF Bandwidth	9 kHz

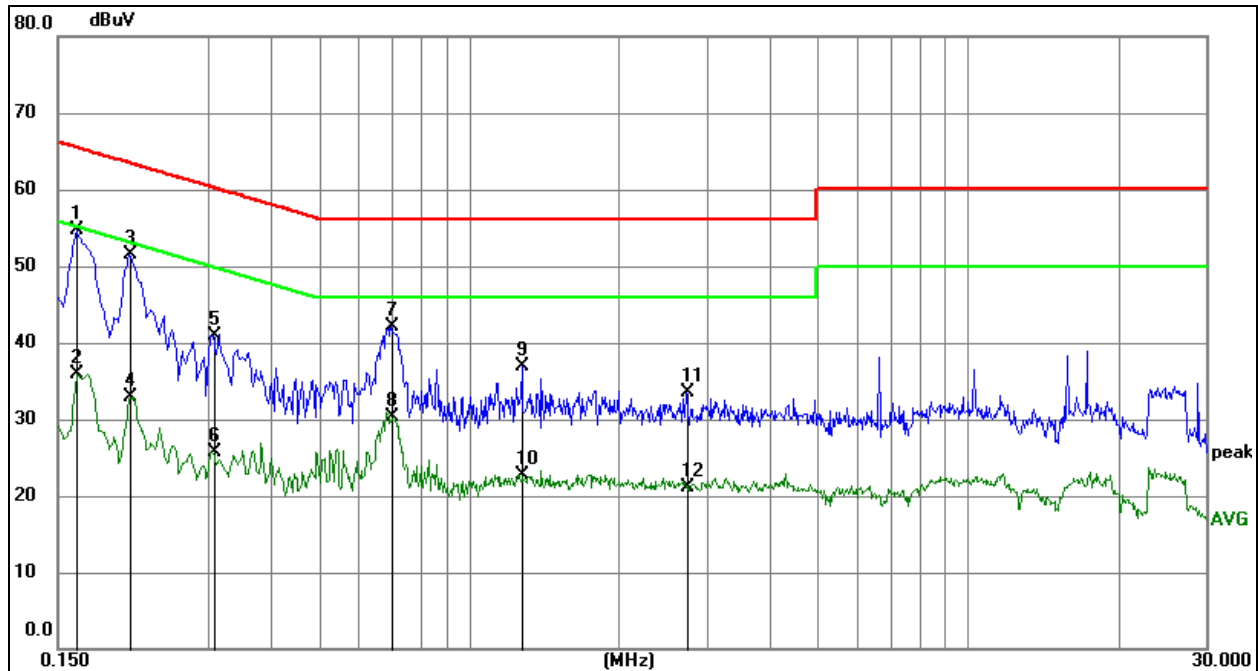
- The Product was placed on a nonconductive table 0.8 m above the horizontal ground reference plane, and 0.4 m from the vertical ground reference plane, and connected to the main through Line Impedance Stability Network (L.I.S.N).
- The RBW of the receiver was set at 9 kHz in 150 kHz ~ 30MHz with Peak and AVG detector in Max Hold mode. Run the receiver's pre-scan to record the maximum disturbance generated from Product in all power lines in the full band.
- For each frequency whose maximum record was higher or close to limit, measure its QP and AVG values and record.

6.4 EUT operating Conditions

The EUT was configured for testing in a typical fashion (as a customer would normally use it). The EUT has been programmed to continuously transmit during test. This operating condition was tested and used to collect the included data.

6.5 Test Result

Temperature:	26.4 °C	Relative Humidity:	50%RH
Pressure:	101KPa	Test Voltage:	AC120V/60Hz
Test Mode:	Mode 3	Phase:	L



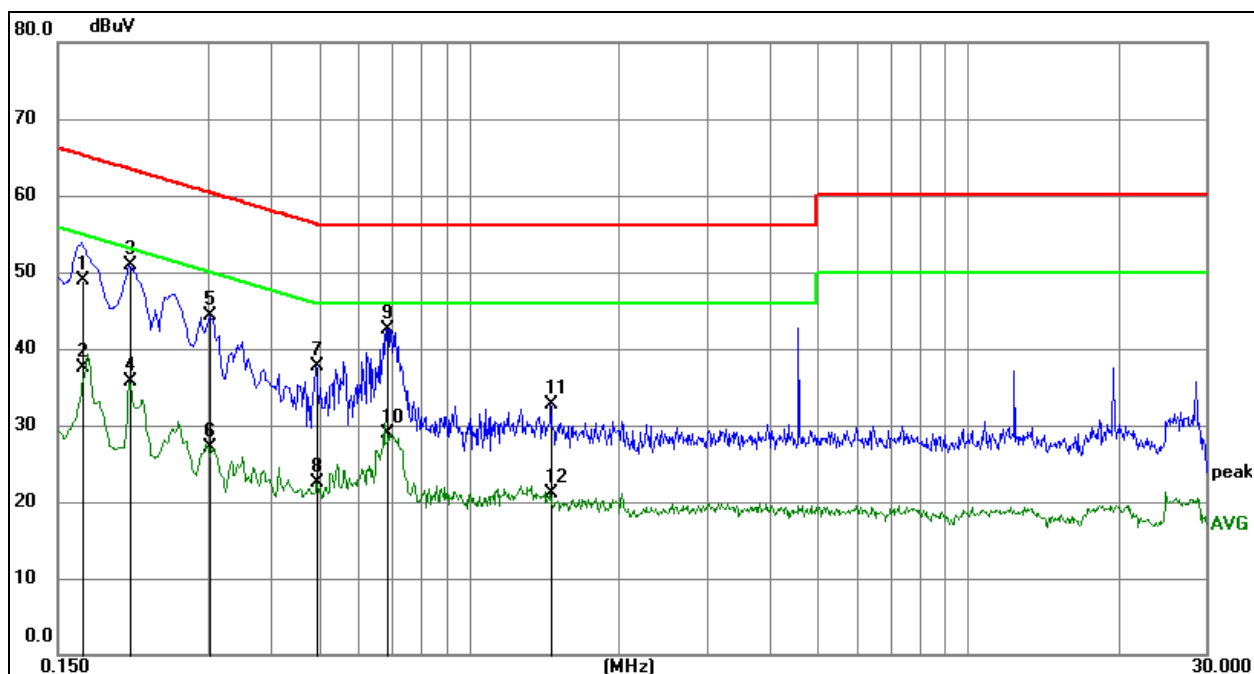
Remark:

1. All readings are Quasi-Peak and Average values.
2. Factor = LISN factor + Cable Loss+ Limiter (10dB).
3. Margin = (Reading+ Factor)-Limit

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1 *	0.1635	44.26	10.51	54.77	65.28	-10.51	QP
2	0.1635	25.48	10.51	35.99	55.28	-19.29	AVG
3	0.2085	41.00	10.51	51.51	63.26	-11.75	QP
4	0.2085	22.42	10.51	32.93	53.26	-20.33	AVG
5	0.3075	30.47	10.51	40.98	60.04	-19.06	QP
6	0.3075	15.17	10.51	25.68	50.04	-24.36	AVG
7	0.6990	31.55	10.53	42.08	56.00	-13.92	QP
8	0.6990	19.69	10.53	30.22	46.00	-15.78	AVG
9	1.2795	26.31	10.53	36.84	56.00	-19.16	QP
10	1.2795	12.15	10.53	22.68	46.00	-23.32	AVG
11	2.7330	22.93	10.55	33.48	56.00	-22.52	QP
12	2.7330	10.62	10.55	21.17	46.00	-24.83	AVG

* Indicates the worst data.

Temperature:	26.4 °C	Relative Humidity:	50%RH
Pressure:	101KPa	Test Voltage:	AC120V/60Hz
Test Mode:	Mode 3	Phase:	N



Remark:

1. All readings are Quasi-Peak and Average values.
2. Factor = LISN factor + Cable Loss+ Limiter (10dB).
3. Margin = (Reading+ Factor)-Limit

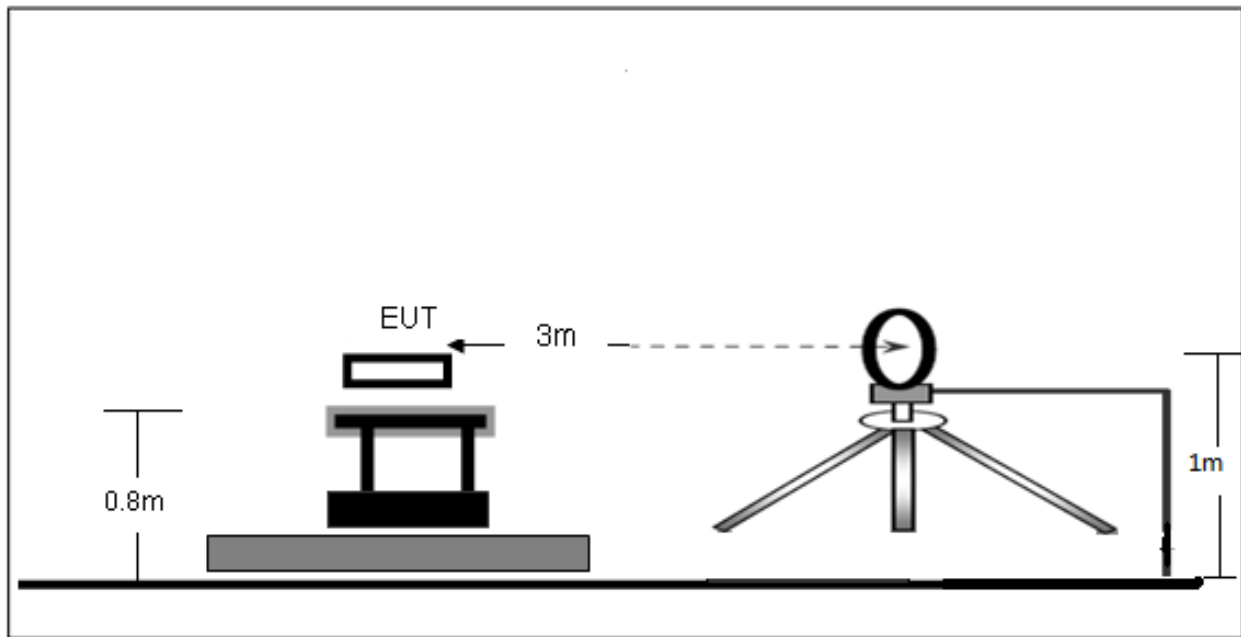
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.1680	38.49	10.51	49.00	65.06	-16.06	QP
2	0.1680	26.90	10.51	37.41	55.06	-17.65	AVG
3 *	0.2085	40.37	10.51	50.88	63.26	-12.38	QP
4	0.2085	25.29	10.51	35.80	53.26	-17.46	AVG
5	0.3030	33.70	10.51	44.21	60.16	-15.95	QP
6	0.3030	16.61	10.51	27.12	50.16	-23.04	AVG
7	0.4965	27.18	10.52	37.70	56.06	-18.36	QP
8	0.4965	11.89	10.52	22.41	46.06	-23.65	AVG
9	0.6855	32.05	10.53	42.58	56.00	-13.42	QP
10	0.6855	18.30	10.53	28.83	46.00	-17.17	AVG
11	1.4595	22.10	10.53	32.63	56.00	-23.37	QP
12	1.4595	10.57	10.53	21.10	46.00	-24.90	AVG

* Indicates the worst data.

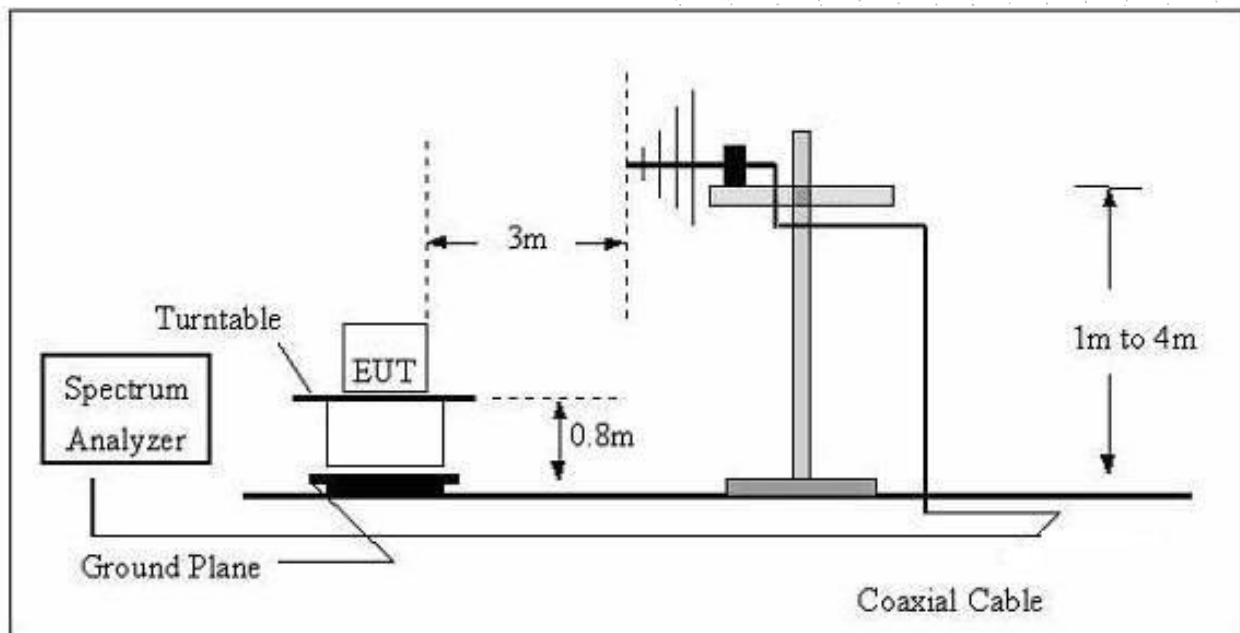
7. Radiated Emissions

7.1 Block Diagram Of Test Setup

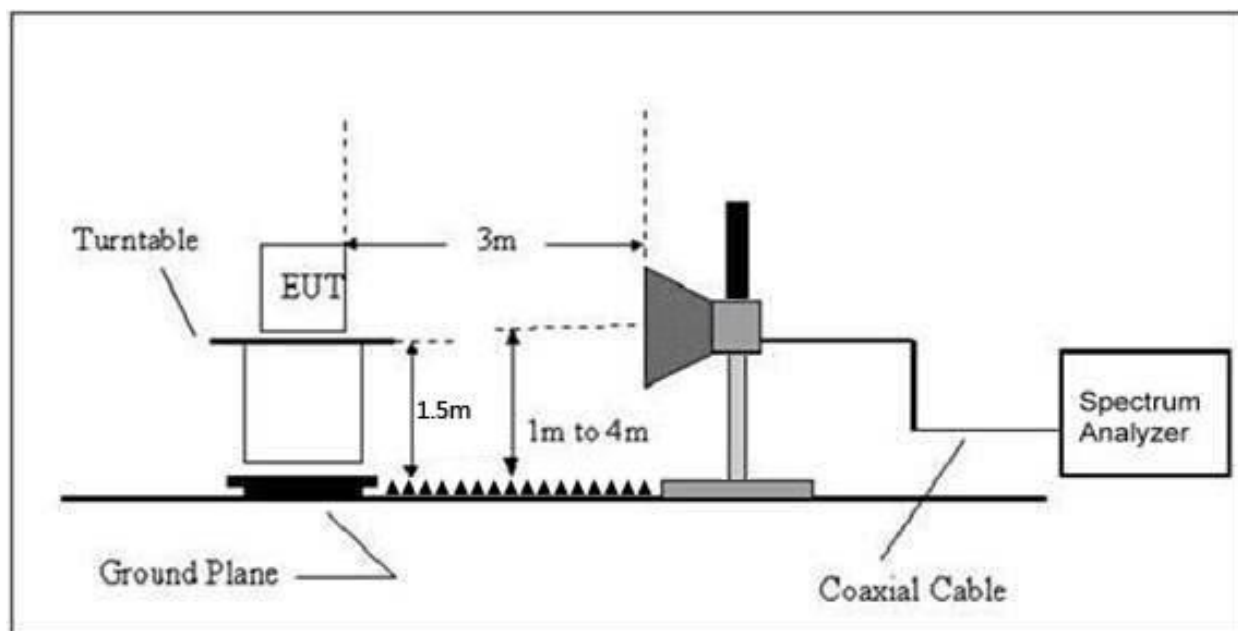
(A) Radiated Emission Test-Up Frequency Below 30MHz



(B) Radiated Emission Test-Up Frequency 30MHz~1GHz



(C) Radiated Emission Test-Up Frequency Above 1GHz



7.2 Limit

20dBc in any 100 kHz bandwidth outside the operating frequency band. In case the emission fall within the restricted band specified on 15.205(a), then the 15.209(a) limit in the table below has to be followed.

Frequency (MHz)	Field Strength uV/m	Distance (m)	Field Strength Limit at 3m Distance	
			uV/m	dBuV/m
0.009 ~ 0.490	$2400/F(\text{kHz})$	300	$10000 * 2400/F(\text{kHz})$	$20\log^{(2400/F(\text{kHz}))} + 80$
0.490 ~ 1.705	$24000/F(\text{kHz})$	30	$100 * 24000/F(\text{kHz})$	$20\log^{(24000/F(\text{kHz}))} + 40$
1.705 ~ 30	30	30	$100 * 30$	$20\log^{(30)} + 40$
30 ~ 88	100	3	100	$20\log^{(100)}$
88 ~ 216	150	3	150	$20\log^{(150)}$
216 ~ 960	200	3	200	$20\log^{(200)}$
Above 960	500	3	500	$20\log^{(500)}$

Limits Of Radiated Emission Measurement (Above 1000MHz)

Frequency (MHz)	Limit (dBuV/m) (at 3M)	
	Peak	Average
Above 1000	74	54

Notes:

- (1)The limit for radiated test was performed according to FCC PART 15C.
- (2)The tighter limit applies at the band edges.
- (3) Emission level (dBuV/m)=20log Emission level (uV/m).

7.3 Test Procedure

The test site semi-anechoic chamber has met the requirement of NSA tolerance 4 dB according to the standards: ANSI C63.10-2020 + Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024. The test distance is 3m. The setup is according to the requirements in Section 13.1.4.1 of ANSI C63.10-2020 + Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024 and CAN/CSA-CEI/IEC CISPR 22.

This test is required for any spurious emission that falls in a Restricted Band, as defined in Section 15.205.

It must be performed with the highest gain of each type of antenna proposed for use with the EUT.

Use the following spectrum analyzer settings:

Spectrum Parameter	Setting
Attenuation	Auto
Start Frequency	1000 MHz
Stop Frequency	10th carrier harmonic
RB / VB (emission in restricted band)	1 MHz / 1 MHz for Peak, 1 MHz / 10Hz for Average

Receiver Parameter	Setting
Attenuation	Auto
Start ~ Stop Frequency	9kHz~150kHz / RB 200Hz for QP
Start ~ Stop Frequency	150kHz~30MHz / RB 9kHz for QP
Start ~ Stop Frequency	30MHz~1000MHz / RB 120kHz for QP

- The measuring distance of at 3 m shall be used for measurements at frequency up to 1GHz. For frequencies above 1GHz, any suitable measuring distance may be used.
- The EUT was placed on the top of a rotating table 0.8 m for below 1GHz and 1.5m for above 1GHz the ground at a 3 meter. The table was rotated 360 degrees to determine the position of the highest radiation.
- The height of the equipment or of the substitution antenna shall be 0.8 m for below 1GHz and 1.5m for above 1GHz; the height of the test antenna shall vary between 1 m to 4 m. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- The initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
- If the Peak Mode measured value compliance with and lower than Quasi Peak Mode Limit, the EUT shall be deemed to meet QP Limits and then no additional QP Mode measurement performed.
- For the actual test configuration, please refer to the related Item –EUT Test Photos.

Note:

Both horizontal and vertical antenna polarities were tested

and performed pretest to three orthogonal axis. The worst case emissions were reported

During the radiated emission test, the Spectrum Analyzer was set with the following configurations:

Frequency Band (MHz)	Function	Resolution bandwidth	Video Bandwidth
30 to 1000	QP	120 kHz	300 kHz
Above 1000	Peak	1 MHz	1 MHz
	Average	1 MHz	10 Hz

Note: for the frequency ranges below 30 MHz, a narrower RBW is used for these ranges but the measured value should add a RBW correction factor (RBWCF) where $RBWCF [dB] = 10 \cdot \lg(100 [kHz] / \text{narrower RBW} [kHz])$. , the narrower RBW is 1 kHz and RBWCF is 20 dB for the frequency 9 kHz to 150 kHz, and the narrower RBW is 10 kHz and RBWCF is 10 dB for the frequency 150 kHz to 30 MHz.

7.4 EUT Operating Conditions

The EUT was configured for testing in a typical fashion (as a customer would normally use it). The EUT has been programmed to continuously transmit during test. This operating condition was tested and used to collect the included data.

7.5 Test Result

Below 30MHz

Temperature:	26°C	Relative Humidity:	54%RH
Pressure:	101 kPa	Test Voltage :	AC120V/60Hz
Test Mode:	Mode 3		

Freq. (MHz)	Reading (dBuV/m)	Limit (dBuV/m)	Margin (dB)	State P/F
--	--	--	--	PASS
--	--	--	--	PASS

Note:

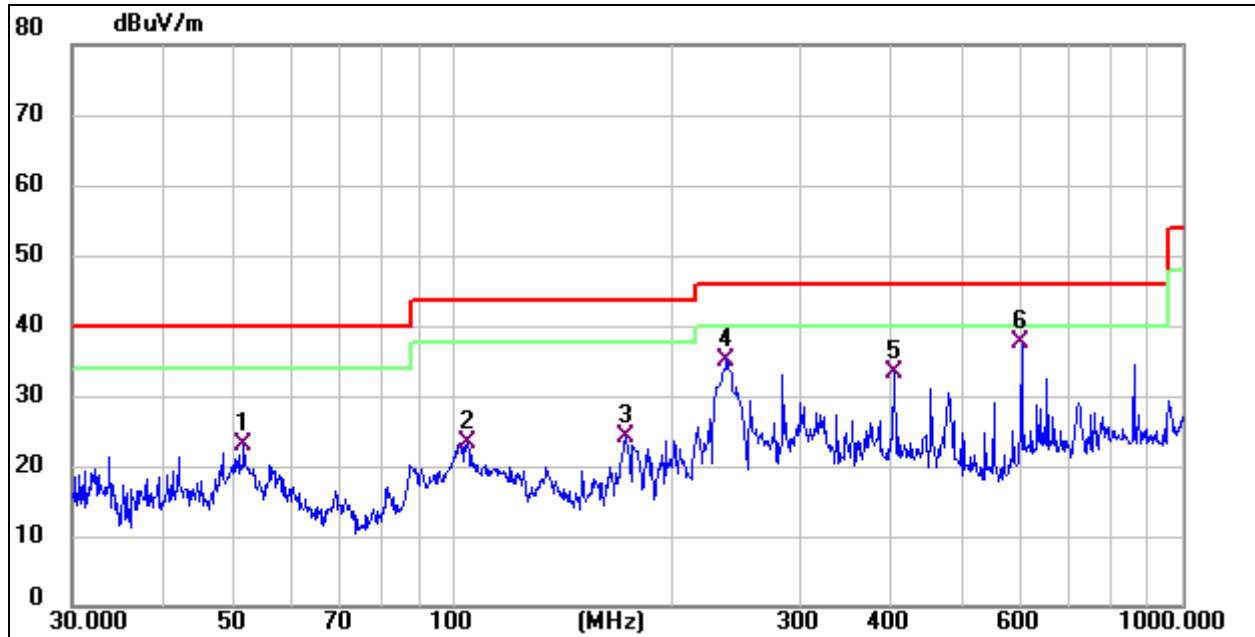
The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

Distance extrapolation factor = $40 \log (\text{specific distance} / \text{test distance}) (dB)$;

Limit line = specific limits(dBuv) + distance extrapolation factor.

Between 30MHz – 1GHz

Temperature:	25.1 °C	Relative Humidity:	65%RH
Pressure:	101KPa	Test Voltage:	AC120V/60Hz
Test Mode:	Mode 3	Phase:	Horizontal

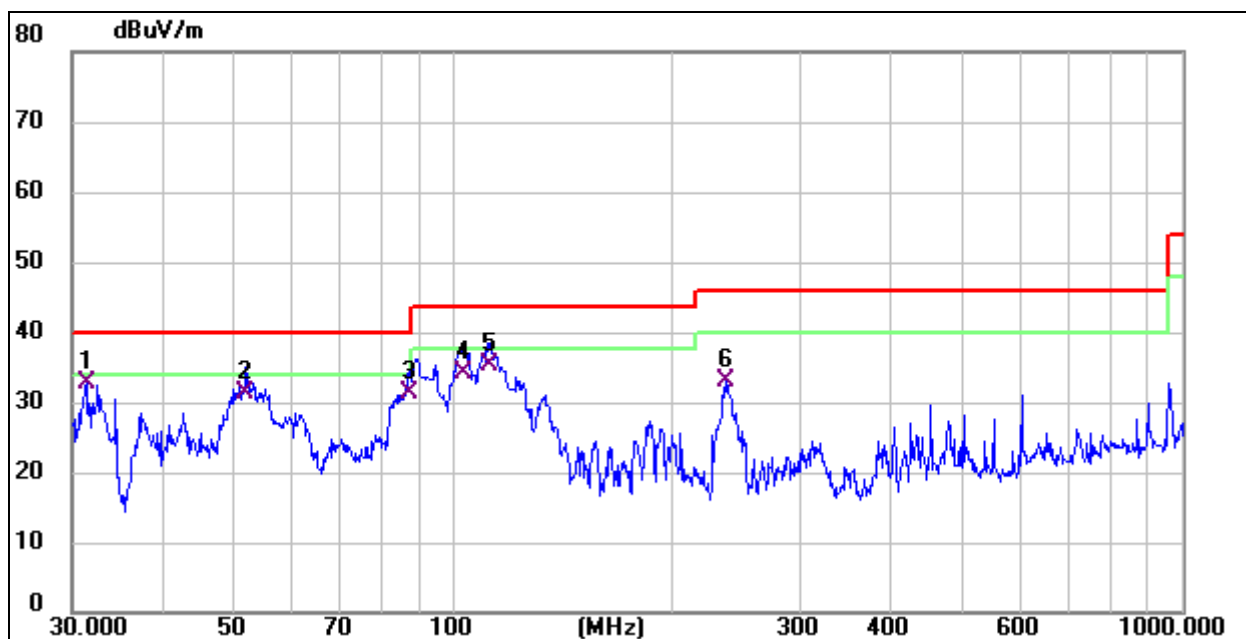


Remark:
Factor = Antenna Factor + Cable Loss – Pre-amplifier.
Margin = (Reading + Factor) – Limit

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	51.5228	33.55	-10.49	23.06	40.00	-16.94	QP
2	104.6583	37.23	-13.82	23.41	43.50	-20.09	QP
3	172.5181	35.41	-11.24	24.17	43.50	-19.33	QP
4	236.7000	47.56	-12.54	35.02	46.00	-10.98	QP
5	402.0264	41.88	-8.59	33.29	46.00	-12.71	QP
6 *	603.0455	41.89	-4.35	37.54	46.00	-8.46	QP

* Indicates the worst data.

Temperature:	25.1 °C	Relative Humidity:	65%RH
Pressure:	101KPa	Test Voltage:	AC120V/60Hz
Test Mode:	Mode 3	Phase:	Vertical



Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

Margin = (Reading + Factor) – Limit

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	31.2930	44.34	-11.53	32.81	40.00	-7.19	QP
2	52.0251	41.80	-10.60	31.20	40.00	-8.80	QP
3	87.2135	45.52	-14.22	31.30	40.00	-8.70	QP
4	103.3816	48.12	-13.92	34.20	43.50	-9.30	QP
5	111.8555	47.26	-12.06	35.20	43.50	-8.30	QP
6	236.5894	45.61	-12.54	33.07	46.00	-12.93	QP

* Indicates the worst data.

Test Mode:	TX(5.1G) - 802.11a
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Polar	Fre- quency	Reading Level	Correct Factor	Measure- ment	Limits	Over	Detector Type
(H/V)	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low Channel (5180 MHz)-Above 1G							
Vertical	4434.131	66.28	-10.51	55.77	68.20	-12.43	PK
Vertical	4434.131	54.86	-10.51	44.35	54.00	-9.65	AV
Vertical	10360.175	50.71	-0.72	49.99	68.20	-18.21	PK
Vertical	10360.175	44.03	-0.72	43.31	54.00	-10.69	AV
Vertical	15540.176	58.11	2.59	60.70	74.00	-13.30	PK
Vertical	15540.176	44.23	2.59	46.82	54.00	-7.18	AV
Horizontal	4434.094	68.19	-10.51	57.68	68.20	-10.52	PK
Horizontal	4434.094	54.45	-10.51	43.94	54.00	-10.06	AV
Horizontal	10360.100	59.81	-0.72	59.09	68.20	-9.11	PK
Horizontal	10360.100	44.85	-0.72	44.13	54.00	-9.87	AV
Horizontal	15540.198	59.34	2.59	61.93	74.00	-12.07	PK
Horizontal	15540.198	44.72	2.59	47.31	54.00	-6.69	AV
middle Channel (5200 MHz)-Above 1G							
Vertical	4592.022	66.82	-10.20	56.62	74.00	-17.38	PK
Vertical	4592.022	54.12	-10.20	43.92	54.00	-10.08	AV
Vertical	10400.145	56.01	-0.67	55.34	68.20	-12.86	PK
Vertical	10400.145	44.06	-0.67	43.39	54.00	-10.61	AV
Vertical	15600.036	55.93	2.67	58.60	74.00	-15.40	PK
Vertical	15600.036	44.60	2.67	47.27	54.00	-6.73	AV
Horizontal	4592.102	68.45	-10.20	58.25	74.00	-15.75	PK
Horizontal	4592.102	54.33	-10.20	44.13	54.00	-9.87	AV
Horizontal	10400.098	59.60	-0.67	58.93	68.20	-9.27	PK
Horizontal	10400.098	44.40	-0.67	43.73	54.00	-10.27	AV
Horizontal	15600.103	57.60	2.67	60.27	74.00	-13.73	PK
Horizontal	15600.103	44.66	2.67	47.33	54.00	-6.67	AV
High Channel (5240 MHz)-Above 1G							
Vertical	4739.135	65.60	-9.45	56.15	74.00	-17.85	PK
Vertical	4739.135	54.58	-9.45	45.13	54.00	-8.87	AV
Vertical	10480.103	56.84	-0.64	56.20	68.20	-12.00	PK
Vertical	10480.103	44.48	-0.64	43.84	54.00	-10.16	AV
Vertical	15720.169	57.54	2.33	59.87	74.00	-14.13	PK
Vertical	15720.169	44.88	2.33	47.21	54.00	-6.79	AV
Horizontal	4739.016	67.56	-9.45	58.11	74.00	-15.89	PK
Horizontal	4739.016	54.47	-9.45	45.02	54.00	-8.98	AV
Horizontal	10480.137	55.50	-0.64	54.86	68.20	-13.34	PK
Horizontal	10480.137	44.76	-0.64	44.12	54.00	-9.88	AV
Horizontal	15720.178	56.99	2.33	59.32	74.00	-14.68	PK
Horizontal	15720.178	44.41	2.33	46.74	54.00	-7.26	AV

Note: PK value is lower than the Average value limit, So average didn't record.

The 26.5-40G amplitude of spurious emissions that are attenuated by more than 20dB below the permissible value has no need to be reported.

Emission level (dBuV/m) = 20 log Emission level (uV/m).

Correct Factor =Antenna Factor + Cable Loss - Preamp Factor

Over = Reading Level + Correct Factor - Limits

Test Mode:	TX(5.1G) - 802.11n-HT20
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Polar	Frequency	Reading Level	Correct Factor	Measurement	Limits	Over	Detector Type
(H/V)	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low Channel (5180 MHz)-Above 1G							
Vertical	4434.183	66.93	-10.51	56.42	68.20	-11.78	PK
Vertical	4434.183	54.75	-10.51	44.24	54.00	-9.76	AV
Vertical	10360.072	51.65	-0.72	50.93	68.20	-17.27	PK
Vertical	10360.072	44.32	-0.72	43.60	54.00	-10.40	AV
Vertical	15540.175	55.29	2.59	57.88	74.00	-16.12	PK
Vertical	15540.175	44.15	2.59	46.74	54.00	-7.26	AV
Horizontal	4434.040	69.86	-10.51	59.35	68.20	-8.85	PK
Horizontal	4434.040	54.88	-10.51	44.37	54.00	-9.63	AV
Horizontal	10360.064	56.86	-0.72	56.14	68.20	-12.06	PK
Horizontal	10360.064	44.07	-0.72	43.35	54.00	-10.65	AV
Horizontal	15540.161	58.47	2.59	61.06	74.00	-12.94	PK
Horizontal	15540.161	44.93	2.59	47.52	54.00	-6.48	AV
middle Channel (5200 MHz)-Above 1G							
Vertical	4592.077	65.91	-10.20	55.71	74.00	-18.29	PK
Vertical	4592.077	54.68	-10.20	44.48	54.00	-9.52	AV
Vertical	10400.067	56.58	-0.67	55.91	68.20	-12.29	PK
Vertical	10400.067	44.60	-0.67	43.93	54.00	-10.07	AV
Vertical	15600.069	56.25	2.67	58.92	74.00	-15.08	PK
Vertical	15600.069	44.97	2.67	47.64	54.00	-6.36	AV
Horizontal	4592.009	67.66	-10.20	57.46	74.00	-16.54	PK
Horizontal	4592.009	54.47	-10.20	44.27	54.00	-9.73	AV
Horizontal	10400.107	57.19	-0.67	56.52	68.20	-11.68	PK
Horizontal	10400.107	44.85	-0.67	44.18	54.00	-9.82	AV
Horizontal	15600.004	56.33	2.67	59.00	74.00	-15.00	PK
Horizontal	15600.004	44.07	2.67	46.74	54.00	-7.26	AV
High Channel (5240 MHz)-Above 1G							
Vertical	4739.109	68.60	-9.45	59.15	74.00	-14.85	PK
Vertical	4739.109	54.84	-9.45	45.39	54.00	-8.61	AV
Vertical	10480.065	58.54	-0.64	57.90	68.20	-10.30	PK
Vertical	10480.065	44.40	-0.64	43.76	54.00	-10.24	AV
Vertical	15720.000	55.01	2.33	57.34	74.00	-16.66	PK
Vertical	15720.000	44.30	2.33	46.63	54.00	-7.37	AV
Horizontal	4739.185	67.78	-9.45	58.33	74.00	-15.67	PK
Horizontal	4739.185	54.74	-9.45	45.29	54.00	-8.71	AV
Horizontal	10480.127	59.59	-0.64	58.95	68.20	-9.25	PK
Horizontal	10480.127	44.48	-0.64	43.84	54.00	-10.16	AV
Horizontal	15720.131	59.02	2.33	61.35	74.00	-12.65	PK
Horizontal	15720.131	44.71	2.33	47.04	54.00	-6.96	AV

Note: PK value is lower than the Average value limit, So average didn't record.
The 26.5-40G amplitude of spurious emissions that are attenuated by more than 20dB below the permissible value has no need to be reported.
Emission level (dBuV/m) = 20 log Emission level (uV/m).
Correct Factor =Antenna Factor + Cable Loss - Preamp Factor
Over = Reading Level + Correct Factor - Limits

Test Mode:	TX(5.1G) - 802.11n-HT40
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Polar (H/V)	Fre- quency (MHz)	Reading Level (dBuV/m)	Correct Factor (dB)	Measure- ment (dBuV/m)	Limits (dBuV/m)	Over (dB)	Detector Type
Low Channel (5190 MHz)-Above 1G							
Vertical	4434.083	68.56	-10.52	58.04	68.20	-10.16	PK
Vertical	4434.083	54.87	-10.52	44.35	54.00	-9.65	AV
Vertical	10380.180	58.62	-0.70	57.92	68.20	-10.28	PK
Vertical	10380.180	44.62	-0.70	43.92	54.00	-10.08	AV
Vertical	15570.178	57.40	2.39	59.79	74.00	-14.21	PK
Vertical	15570.178	44.75	2.39	47.14	54.00	-6.86	AV
Horizontal	4434.042	65.52	-10.52	55.00	74.00	-19.00	PK
Horizontal	4434.042	54.89	-10.52	44.37	54.00	-9.63	AV
Horizontal	10380.099	55.25	-0.70	54.55	68.20	-13.65	PK
Horizontal	10380.099	44.31	-0.70	43.61	54.00	-10.39	AV
Horizontal	15570.059	58.48	2.39	60.87	74.00	-13.13	PK
Horizontal	15570.059	44.47	2.39	46.86	54.00	-7.14	AV
High Channel (5230 MHz)-Above 1G							
Vertical	4739.138	66.70	-9.45	57.25	68.20	-10.95	PK
Vertical	4739.138	55.00	-9.45	45.55	54.00	-8.45	AV
Vertical	10460.031	56.74	-0.65	56.09	68.20	-12.11	PK
Vertical	10460.031	44.44	-0.65	43.79	54.00	-10.21	AV
Vertical	15690.059	57.01	2.33	59.34	74.00	-14.66	PK
Vertical	15690.059	44.44	2.33	46.77	54.00	-7.23	AV
Horizontal	4739.076	65.37	-9.45	55.92	68.20	-12.28	PK
Horizontal	4739.076	54.71	-9.45	45.26	54.00	-8.74	AV
Horizontal	10460.065	57.18	-0.65	56.53	68.20	-11.67	PK
Horizontal	10460.065	44.43	-0.65	43.78	54.00	-10.22	AV
Horizontal	15690.062	59.37	2.33	61.70	74.00	-12.30	PK
Horizontal	15690.062	44.78	2.33	47.11	54.00	-6.89	AV

Note: PK value is lower than the Average value limit, So average didn't record.
The 26.5-40G amplitude of spurious emissions that are attenuated by more than 20dB below the permissible value has no need to be reported.
Emission level (dBuV/m) = 20 log Emission level (uV/m).
Correct Factor =Antenna Factor + Cable Loss - Preamp Factor
Over = Reading Level + Correct Factor - Limits

Test Mode:	TX(5.1G) - 802.11ac-HT20
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Polar	Frequency	Reading Level	Correct Factor	Measurement	Limits	Over	Detector Type
(H/V)	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low Channel (5180 MHz)-Above 1G							
Vertical	4434.006	67.13	-10.51	56.62	68.20	-11.58	Pk
Vertical	4434.006	54.76	-10.51	44.25	54.00	-9.75	AV
Vertical	10360.035	52.23	-0.72	51.51	68.20	-16.69	Pk
Vertical	10360.035	44.24	-0.72	43.52	54.00	-10.48	AV
Vertical	15540.063	57.19	2.59	59.78	74.00	-14.22	Pk
Vertical	15540.063	44.60	2.59	47.19	54.00	-6.81	AV
Horizontal	4434.118	65.51	-10.51	55.00	68.20	-13.20	Pk
Horizontal	4434.118	54.73	-10.51	44.22	54.00	-9.78	AV
Horizontal	10360.008	57.88	-0.72	57.16	68.20	-11.04	Pk
Horizontal	10360.008	44.25	-0.72	43.53	54.00	-10.47	AV
Horizontal	15540.178	56.37	2.59	58.96	74.00	-15.04	Pk
Horizontal	15540.178	44.87	2.59	47.46	54.00	-6.54	AV
middle Channel (5200 MHz)-Above 1G							
Vertical	4592.016	66.74	-10.20	56.54	74.00	-17.46	Pk
Vertical	4592.016	54.13	-10.20	43.93	54.00	-10.07	AV
Vertical	10400.067	59.77	-0.67	59.10	68.20	-9.10	Pk
Vertical	10400.067	44.48	-0.67	43.81	54.00	-10.19	AV
Vertical	15600.194	56.90	2.67	59.57	74.00	-14.43	Pk
Vertical	15600.194	44.52	2.67	47.19	54.00	-6.81	AV
Horizontal	4592.104	65.89	-10.20	55.69	74.00	-18.31	Pk
Horizontal	4592.104	54.54	-10.20	44.34	54.00	-9.66	AV
Horizontal	10400.104	57.35	-0.67	56.68	68.20	-11.52	Pk
Horizontal	10400.104	44.89	-0.67	44.22	54.00	-9.78	AV
Horizontal	15600.171	59.56	2.67	62.23	74.00	-11.77	Pk
Horizontal	15600.171	44.68	2.67	47.35	54.00	-6.65	AV
High Channel (5240 MHz)-Above 1G							
Vertical	4739.005	67.18	-9.45	57.73	74.00	-16.27	Pk
Vertical	4739.005	54.48	-9.45	45.03	54.00	-8.97	AV
Vertical	10480.159	57.34	-0.64	56.70	68.20	-11.50	Pk
Vertical	10480.159	44.61	-0.64	43.97	54.00	-10.03	AV
Vertical	15720.197	57.68	2.33	60.01	74.00	-13.99	Pk
Vertical	15720.197	44.37	2.33	46.70	54.00	-7.30	AV
Horizontal	4739.156	66.91	-9.45	57.46	74.00	-16.54	Pk
Horizontal	4739.156	54.32	-9.45	44.87	54.00	-9.13	AV
Horizontal	10480.137	59.74	-0.64	59.10	68.20	-9.10	Pk
Horizontal	10480.137	44.10	-0.64	43.46	54.00	-10.54	AV
Horizontal	15720.094	56.86	2.33	59.19	74.00	-14.81	Pk
Horizontal	15720.094	44.99	2.33	47.32	54.00	-6.68	AV

Note: PK value is lower than the Average value limit, So average didn't record.

The 26.5-40G amplitude of spurious emissions that are attenuated by more than 20dB below the permissible value has no need to be reported.

Emission level (dBuV/m) = 20 log Emission level (uV/m).

Correct Factor =Antenna Factor + Cable Loss - Preamp Factor

Over = Reading Level + Correct Factor - Limits

Test Mode:	TX(5.1G) - 802.11ac-HT40
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Polar	Frequency	Reading Level	Correct Factor	Measurement	Limits	Over	Detector Type
(H/V)	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low Channel (5190 MHz)-Above 1G							
Vertical	4434.151	65.59	-10.52	55.07	68.20	-13.13	Pk
Vertical	4434.151	54.77	-10.52	44.25	54.00	-9.75	AV
Vertical	10380.040	59.14	-0.70	58.44	68.20	-9.76	Pk
Vertical	10380.040	44.85	-0.70	44.15	54.00	-9.85	AV
Vertical	15570.158	59.46	2.39	61.85	74.00	-12.15	Pk
Vertical	15570.158	44.31	2.39	46.70	54.00	-7.30	AV
Horizontal	4434.112	67.05	-10.52	56.53	74.00	-17.47	Pk
Horizontal	4434.112	54.65	-10.52	44.13	54.00	-9.87	AV
Horizontal	10380.097	55.67	-0.70	54.97	68.20	-13.23	Pk
Horizontal	10380.097	44.87	-0.70	44.17	54.00	-9.83	AV
Horizontal	15570.169	58.93	2.39	61.32	74.00	-12.68	Pk
Horizontal	15570.169	44.11	2.39	46.50	54.00	-7.50	AV
middle Channel (5230 MHz)-Above 1G							
Vertical	4739.142	67.50	-9.45	58.05	68.20	-10.15	Pk
Vertical	4739.142	54.11	-9.45	44.66	54.00	-9.34	AV
Vertical	10460.193	59.20	-0.65	58.55	68.20	-9.65	Pk
Vertical	10460.193	44.80	-0.65	44.15	54.00	-9.85	AV
Vertical	15690.113	59.94	2.33	62.27	74.00	-11.73	Pk
Vertical	15690.113	44.59	2.33	46.92	54.00	-7.08	AV
Horizontal	4739.189	66.37	-9.45	56.92	68.20	-11.28	Pk
Horizontal	4739.189	54.91	-9.45	45.46	54.00	-8.54	AV
Horizontal	10460.163	59.98	-0.65	59.33	68.20	-8.87	Pk
Horizontal	10460.163	44.96	-0.65	44.31	54.00	-9.69	AV
Horizontal	15690.185	55.47	2.33	57.80	74.00	-16.20	Pk
Horizontal	15690.185	44.56	2.33	46.89	54.00	-7.11	AV

Note: PK value is lower than the Average value limit, So average didn't record.

The 26.5-40G amplitude of spurious emissions that are attenuated by more than 20dB below the permissible value has no need to be reported.

Emission level (dBuV/m) = 20 log Emission level (uV/m).

Correct Factor =Antenna Factor + Cable Loss - Preamp Factor

Over = Reading Level + Correct Factor - Limits

Test Mode:	TX(5.1G) - 802.11ax- HE20
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Polar	Frequency	Reading Level	Correct Factor	Measurement	Limits	Over	Detector Type
(H/V)	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low Channel (5180 MHz)-Above 1G							
Vertical	4434.044	68.25	-10.51	57.74	68.20	-10.46	Pk
Vertical	4434.044	54.99	-10.51	44.48	54.00	-9.52	AV
Vertical	10360.003	52.74	-0.72	52.02	68.20	-16.18	Pk
Vertical	10360.003	44.35	-0.72	43.63	54.00	-10.37	AV
Vertical	15540.070	56.75	2.59	59.34	74.00	-14.66	Pk
Vertical	15540.070	44.57	2.59	47.16	54.00	-6.84	AV
Horizontal	4434.045	65.58	-10.51	55.07	68.20	-13.13	Pk
Horizontal	4434.045	54.71	-10.51	44.20	54.00	-9.80	AV
Horizontal	10360.153	59.32	-0.72	58.60	68.20	-9.60	Pk
Horizontal	10360.153	44.25	-0.72	43.53	54.00	-10.47	AV
Horizontal	15540.016	58.72	2.59	61.31	74.00	-12.69	Pk
Horizontal	15540.016	44.88	2.59	47.47	54.00	-6.53	AV
middle Channel (5200 MHz)-Above 1G							
Vertical	4592.022	68.56	-10.20	58.36	74.00	-15.64	Pk
Vertical	4592.022	54.85	-10.20	44.65	54.00	-9.35	AV
Vertical	10400.185	58.79	-0.67	58.12	68.20	-10.08	Pk
Vertical	10400.185	44.58	-0.67	43.91	54.00	-10.09	AV
Vertical	15600.085	57.82	2.67	60.49	74.00	-13.51	Pk
Vertical	15600.085	44.46	2.67	47.13	54.00	-6.87	AV
Horizontal	4592.052	67.03	-10.20	56.83	74.00	-17.17	Pk
Horizontal	4592.052	54.35	-10.20	44.15	54.00	-9.85	AV
Horizontal	10400.167	59.19	-0.67	58.52	68.20	-9.68	Pk
Horizontal	10400.167	44.09	-0.67	43.42	54.00	-10.58	AV
Horizontal	15600.056	55.16	2.67	57.83	74.00	-16.17	Pk
Horizontal	15600.056	44.58	2.67	47.25	54.00	-6.75	AV
High Channel (5240 MHz)-Above 1G							
Vertical	4739.061	68.24	-9.45	58.79	74.00	-15.21	Pk
Vertical	4739.061	54.94	-9.45	45.49	54.00	-8.51	AV
Vertical	10480.072	59.10	-0.64	58.46	68.20	-9.74	Pk
Vertical	10480.072	44.50	-0.64	43.86	54.00	-10.14	AV
Vertical	15720.158	56.18	2.33	58.51	74.00	-15.49	Pk
Vertical	15720.158	44.14	2.33	46.47	54.00	-7.53	AV
Horizontal	4739.006	66.54	-9.45	57.09	74.00	-16.91	Pk
Horizontal	4739.006	54.70	-9.45	45.25	54.00	-8.75	AV
Horizontal	10480.104	56.92	-0.64	56.28	68.20	-11.92	Pk
Horizontal	10480.104	44.37	-0.64	43.73	54.00	-10.27	AV
Horizontal	15720.044	56.53	2.33	58.86	74.00	-15.14	Pk
Horizontal	15720.044	44.59	2.33	46.92	54.00	-7.08	AV

Note: PK value is lower than the Average value limit, So average didn't record.

The 26.5-40G amplitude of spurious emissions that are attenuated by more than 20dB below the permissible value has no need to be reported.

Emission level (dBuV/m) = 20 log Emission level (uV/m).

Correct Factor =Antenna Factor + Cable Loss - Preamp Factor

Over = Reading Level + Correct Factor - Limits

Test Mode:	TX(5.1G) - 802.11 ax- HE40
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Polar	Frequency	Reading Level	Correct Factor	Measurement	Limits	Over	Detector Type
(H/V)	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low Channel (5190 MHz)-Above 1G							
Vertical	4434.038	65.45	-10.52	54.93	68.20	-13.27	Pk
Vertical	4434.038	54.38	-10.52	43.86	54.00	-10.14	AV
Vertical	10380.166	58.91	-0.70	58.21	68.20	-9.99	Pk
Vertical	10380.166	44.24	-0.70	43.54	54.00	-10.46	AV
Vertical	15570.034	57.45	2.39	59.84	74.00	-14.16	Pk
Vertical	15570.034	44.62	2.39	47.01	54.00	-6.99	AV
Horizontal	4434.134	68.54	-10.52	58.02	74.00	-15.98	Pk
Horizontal	4434.134	54.96	-10.52	44.44	54.00	-9.56	AV
Horizontal	10380.173	57.91	-0.70	57.21	68.20	-10.99	Pk
Horizontal	10380.173	44.25	-0.70	43.55	54.00	-10.45	AV
Horizontal	15570.041	55.83	2.39	58.22	74.00	-15.78	Pk
Horizontal	15570.041	44.93	2.39	47.32	54.00	-6.68	AV
middle Channel (5230 MHz)-Above 1G							
Vertical	4739.146	68.05	-9.45	58.60	68.20	-9.60	Pk
Vertical	4739.146	54.40	-9.45	44.95	54.00	-9.05	AV
Vertical	10460.040	59.09	-0.65	58.44	68.20	-9.76	Pk
Vertical	10460.040	44.25	-0.65	43.60	54.00	-10.40	AV
Vertical	15690.085	57.59	2.33	59.92	74.00	-14.08	Pk
Vertical	15690.085	44.10	2.33	46.43	54.00	-7.57	AV
Horizontal	4739.199	65.40	-9.45	55.95	68.20	-12.25	Pk
Horizontal	4739.199	54.78	-9.45	45.33	54.00	-8.67	AV
Horizontal	10460.013	57.87	-0.65	57.22	68.20	-10.98	Pk
Horizontal	10460.013	44.03	-0.65	43.38	54.00	-10.62	AV
Horizontal	15690.173	56.21	2.33	58.54	74.00	-15.46	Pk
Horizontal	15690.173	44.70	2.33	47.03	54.00	-6.97	AV

Note: PK value is lower than the Average value limit, So average didn't record.

The 26.5-40G amplitude of spurious emissions that are attenuated by more than 20dB below the permissible value has no need to be reported.

Emission level (dBuV/m) = 20 log Emission level (uV/m).

Correct Factor =Antenna Factor + Cable Loss - Preamp Factor

Over = Reading Level + Correct Factor - Limits

- ☒ Undesirable radiated Undesirable radiated Spurious Emission in Band Edge
- All the modes 802.11a/n has been tested and the worst result 802.11a20 recorded as below:

Test mode: 802.11a20 Frequency(MHz): 5180

Frequency (MHz)	Polarity	PK(dBuV/m) (VBW=3MHz)	Limit 3m (dBuV/m)	AV(dBuV/m) (VBW=10Hz)	Limit 3m (dBuV/m)
5150.00	H	49.98	74	37.87	54
5150.00	V	50.84	74	38.07	54

Test mode: 802.11a20 Frequency(MHz): 5240

Frequency (MHz)	Polarity	PK(dBuV/m) (VBW=3MHz)	Limit 3m (dBuV/m)	AV(dBuV/m) (VBW=10Hz)	Limit 3m (dBuV/m)
5350.00	H	49.80	74	36.78	54
5350.00	V	47.41	74	38.46	54

Note: (1) All Readings are Peak Value (VBW=3MHz) and Average Value (VBW=10Hz).
(2) Emission Level= Reading Level+Correct Factor.
(3) Correct Factor= Ant_F + Cab_L - Preamp

BCTC CO., LTD

Test Mode:	TX(5.8G) - 802.11a
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Polar (H/V)	Fre- quency (MHz)	Reading Level (dBuV/m)	Correct Factor (dB)	Measure- ment (dBuV/m)	Limits (dBuV/m)	Over (dB)	Detector Type
Low Channel (5745 MHz)-Above 1G							
Vertical	4679.052	65.89	-10.36	55.53	74.00	-18.47	PK
Vertical	4679.052	54.58	-10.36	44.22	54.00	-9.78	AV
Vertical	11490.120	56.75	-0.19	56.56	68.20	-11.64	PK
Vertical	11490.120	44.85	-0.19	44.66	54.00	-9.34	AV
Vertical	17235.111	58.42	4.28	62.70	68.20	-5.50	PK
Vertical	17235.111	44.99	4.28	49.27	54.00	-4.73	AV
Horizontal	4679.051	68.74	-10.36	58.38	74.00	-15.62	PK
Horizontal	4679.051	54.77	-10.36	44.41	54.00	-9.59	AV
Horizontal	11490.101	58.23	-0.19	58.04	68.20	-10.16	PK
Horizontal	11490.101	44.17	-0.19	43.98	54.00	-10.02	AV
Horizontal	17235.142	55.49	4.28	59.77	68.20	-8.43	PK
Horizontal	17235.142	44.37	4.28	48.65	54.00	-5.35	AV
middle Channel (5785 MHz)-Above 1G							
Vertical	4592.133	66.91	-10.20	56.71	74.00	-17.29	PK
Vertical	4592.133	54.43	-10.20	44.23	54.00	-9.77	AV
Vertical	11570.088	59.80	-0.21	59.59	68.20	-8.61	PK
Vertical	11570.088	44.36	-0.21	44.15	54.00	-9.85	AV
Vertical	17355.136	58.80	4.68	63.48	68.20	-4.72	PK
Vertical	17355.136	44.82	4.68	49.50	54.00	-4.50	AV
Horizontal	4592.171	68.48	-10.20	58.28	74.00	-15.72	PK
Horizontal	4592.171	54.08	-10.20	43.88	54.00	-10.12	AV
Horizontal	11570.015	58.96	-0.21	58.75	68.20	-9.45	PK
Horizontal	11570.015	44.23	-0.21	44.02	54.00	-9.98	AV
Horizontal	17355.150	58.56	4.68	63.24	68.20	-4.96	PK
Horizontal	17355.150	44.42	4.68	49.10	54.00	-4.90	AV
High Channel (5825 MHz)-Above 1G							
Vertical	6039.168	66.58	-7.08	59.50	68.20	-8.70	PK
Vertical	6039.168	54.14	-7.08	47.06	54.00	-6.94	AV
Vertical	11650.197	59.61	-0.50	59.11	74.00	-14.89	PK
Vertical	11650.197	44.23	-0.50	43.73	54.00	-10.27	AV
Vertical	17475.162	59.72	4.77	64.49	68.20	-3.71	PK
Vertical	17475.162	44.27	4.77	49.04	54.00	-4.96	AV
Horizontal	6039.189	66.41	-7.08	59.33	68.20	-8.87	PK
Horizontal	6039.189	54.16	-7.08	47.08	54.00	-6.92	AV
Horizontal	11650.098	55.38	-0.50	54.88	74.00	-19.12	PK
Horizontal	11650.098	44.25	-0.50	43.75	54.00	-10.25	AV
Horizontal	17475.140	55.35	4.77	60.12	68.20	-8.08	PK
Horizontal	17475.140	44.21	4.77	48.98	54.00	-5.02	AV

Note: PK value is lower than the Average value limit, So average didn't record.

The 26.5-40G amplitude of spurious emissions that are attenuated by more than 20dB below the permissible value has no need to be reported.

Emission level (dBuV/m) = 20 log Emission level (uV/m).

Correct Factor =Antenna Factor + Cable Loss - Preamp Factor

Over = Reading Level + Correct Factor - Limits

Test Mode:	TX(5.8G) - 802.11n-HT20
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Polar	Fre- quency	Reading Level	Correct Factor	Measure- ment	Limits	Over	Detector Type
(H/V)	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low Channel (5745 MHz)-Above 1G							
Vertical	4679.115	68.92	-10.36	58.56	74.00	-15.44	PK
Vertical	4679.115	54.98	-10.36	44.62	54.00	-9.38	AV
Vertical	11490.180	59.36	-0.19	59.17	68.20	-9.03	PK
Vertical	11490.180	44.25	-0.19	44.06	54.00	-9.94	AV
Vertical	17235.014	56.19	4.28	60.47	68.20	-7.73	PK
Vertical	17235.014	44.79	4.28	49.07	54.00	-4.93	AV
Horizontal	4679.156	66.14	-10.36	55.78	74.00	-18.22	PK
Horizontal	4679.156	54.01	-10.36	43.65	54.00	-10.35	AV
Horizontal	11490.032	57.72	-0.19	57.53	68.20	-10.67	PK
Horizontal	11490.032	44.41	-0.19	44.22	54.00	-9.78	AV
Horizontal	17235.158	58.32	4.28	62.60	68.20	-5.60	PK
Horizontal	17235.158	44.89	4.28	49.17	54.00	-4.83	AV
middle Channel (5785 MHz)-Above 1G							
Vertical	4592.015	67.64	-10.20	57.44	74.00	-16.56	PK
Vertical	4592.015	54.02	-10.20	43.82	54.00	-10.18	AV
Vertical	11570.166	55.63	-0.21	55.42	68.20	-12.78	PK
Vertical	11570.166	44.83	-0.21	44.62	54.00	-9.38	AV
Vertical	17355.150	57.83	4.68	62.51	68.20	-5.69	PK
Vertical	17355.150	44.87	4.68	49.55	54.00	-4.45	AV
Horizontal	4592.065	68.69	-10.20	58.49	74.00	-15.51	PK
Horizontal	4592.065	54.69	-10.20	44.49	54.00	-9.51	AV
Horizontal	11570.036	59.42	-0.21	59.21	68.20	-8.99	PK
Horizontal	11570.036	44.44	-0.21	44.23	54.00	-9.77	AV
Horizontal	17355.188	55.54	4.68	60.22	68.20	-7.98	PK
Horizontal	17355.188	44.43	4.68	49.11	54.00	-4.89	AV
High Channel (5825 MHz)-Above 1G							
Vertical	6039.176	66.88	-7.08	59.80	68.20	-8.40	PK
Vertical	6039.176	54.45	-7.08	47.37	54.00	-6.63	AV
Vertical	11650.009	57.74	-0.50	57.24	74.00	-16.76	PK
Vertical	11650.009	44.61	-0.50	44.11	54.00	-9.89	AV
Vertical	17475.105	59.56	4.77	64.33	68.20	-3.87	PK
Vertical	17475.105	44.27	4.77	49.04	54.00	-4.96	AV
Horizontal	6039.194	66.48	-7.08	59.40	68.20	-8.80	PK
Horizontal	6039.194	54.09	-7.08	47.01	54.00	-6.99	AV
Horizontal	11650.133	55.40	-0.50	54.90	74.00	-19.10	PK
Horizontal	11650.133	44.41	-0.50	43.91	54.00	-10.09	AV
Horizontal	17475.048	55.73	4.77	60.50	68.20	-7.70	PK
Horizontal	17475.048	44.75	4.77	49.52	54.00	-4.48	AV

Note: PK value is lower than the Average value limit, So average didn't record.

The 26.5-40G amplitude of spurious emissions that are attenuated by more than 20dB below the permissible value has no need to be reported.

Emission level (dBuV/m) = 20 log Emission level (uV/m).

Correct Factor = Antenna Factor + Cable Loss - Preamp Factor

Over = Reading Level + Correct Factor - Limits

Test Mode:	TX(5.8G) - 802.11n-HT40
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Polar	Fre- quency	Reading Level	Correct Factor	Measure- ment	Limits	Over	Detector Type
(H/V)	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low Channel (5755 MHz)-Above 1G							
Vertical	4679.077	65.92	-10.36	55.56	74.00	-18.44	PK
Vertical	4679.077	54.70	-10.36	44.34	54.00	-9.66	AV
Vertical	11510.000	56.77	-0.26	56.51	74.00	-17.49	PK
Vertical	11510.000	44.66	-0.26	44.40	54.00	-9.60	AV
Vertical	17265.005	55.44	4.35	59.79	68.20	-8.41	PK
Vertical	17265.005	44.54	4.35	48.89	54.00	-5.11	AV
Horizontal	4679.071	69.80	-10.36	59.44	74.00	-14.56	PK
Horizontal	4679.071	54.87	-10.36	44.51	54.00	-9.49	AV
Horizontal	11510.101	57.41	-0.26	57.15	74.00	-16.85	PK
Horizontal	11510.101	44.33	-0.26	44.07	54.00	-9.93	AV
Horizontal	17265.035	57.39	4.35	61.74	68.20	-6.46	PK
Horizontal	17265.035	44.37	4.35	48.72	54.00	-5.28	AV
High Channel (5795 MHz)-Above 1G							
Vertical	6039.189	67.09	-7.08	60.01	68.20	-8.19	PK
Vertical	6039.189	54.62	-7.08	47.54	54.00	-6.46	AV
Vertical	11590.138	56.74	-0.20	56.54	74.00	-17.46	PK
Vertical	11590.138	44.45	-0.20	44.25	54.00	-9.75	AV
Vertical	17385.098	56.48	4.81	61.29	68.20	-6.91	PK
Vertical	17385.098	44.47	4.81	49.28	54.00	-4.72	AV
Horizontal	6039.104	69.38	-7.08	62.30	68.20	-5.90	PK
Horizontal	6039.104	54.05	-7.08	46.97	54.00	-7.03	AV
Horizontal	11590.004	55.47	-0.20	55.27	74.00	-18.73	PK
Horizontal	11590.004	44.97	-0.20	44.77	54.00	-9.23	AV
Horizontal	17385.028	57.60	4.81	62.41	68.20	-5.79	PK
Horizontal	17385.028	44.12	4.81	48.93	54.00	-5.07	AV

Note: PK value is lower than the Average value limit, So average didn't record.
The 26.5-40G amplitude of spurious emissions that are attenuated by more than 20dB below the permissible value has no need to be reported.
Emission level (dBuV/m) = 20 log Emission level (uV/m).
Correct Factor =Antenna Factor + Cable Loss - Preamp Factor
Over = Reading Level + Correct Factor - Limits

Test Mode:	TX(5.8G) - 802.11ac-HT20
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Polar	Frequency	Reading Level	Correct Factor	Measurement	Limits	Over	Detector Type
(H/V)	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low Channel (5745 MHz)-Above 1G							
Vertical	4679.125	69.36	-10.36	59.00	74.00	-15.00	Pk
Vertical	4679.125	54.43	-10.36	44.07	54.00	-9.93	AV
Vertical	11490.183	56.71	-0.19	56.52	68.20	-11.68	Pk
Vertical	11490.183	44.06	-0.19	43.87	54.00	-10.13	AV
Vertical	17235.169	59.43	4.28	63.71	68.20	-4.49	Pk
Vertical	17235.169	44.38	4.28	48.66	54.00	-5.34	AV
Horizontal	4679.028	65.31	-10.36	54.95	74.00	-19.05	Pk
Horizontal	4679.028	54.49	-10.36	44.13	54.00	-9.87	AV
Horizontal	11490.158	57.01	-0.19	56.82	68.20	-11.38	Pk
Horizontal	11490.158	44.82	-0.19	44.63	54.00	-9.37	AV
Horizontal	17235.044	56.46	4.28	60.74	68.20	-7.46	Pk
Horizontal	17235.044	44.25	4.28	48.53	54.00	-5.47	AV
middle Channel (5785 MHz)-Above 1G							
Vertical	4592.027	68.52	-10.20	58.32	74.00	-15.68	Pk
Vertical	4592.027	54.40	-10.20	44.20	54.00	-9.80	AV
Vertical	11570.111	59.52	-0.21	59.31	68.20	-8.89	Pk
Vertical	11570.111	44.43	-0.21	44.22	54.00	-9.78	AV
Vertical	17355.154	57.53	4.68	62.21	68.20	-5.99	Pk
Vertical	17355.154	44.53	4.68	49.21	54.00	-4.79	AV
Horizontal	4592.118	68.15	-10.20	57.95	74.00	-16.05	Pk
Horizontal	4592.118	54.51	-10.20	44.31	54.00	-9.69	AV
Horizontal	11570.187	58.16	-0.21	57.95	68.20	-10.25	Pk
Horizontal	11570.187	44.95	-0.21	44.74	54.00	-9.26	AV
Horizontal	17355.188	55.69	4.68	60.37	68.20	-7.83	Pk
Horizontal	17355.188	44.83	4.68	49.51	54.00	-4.49	AV
High Channel (5825 MHz)-Above 1G							
Vertical	6039.145	69.46	-7.08	62.38	68.20	-5.82	Pk
Vertical	6039.145	54.42	-7.08	47.34	54.00	-6.66	AV
Vertical	11650.015	56.21	-0.50	55.71	74.00	-18.29	Pk
Vertical	11650.015	44.12	-0.50	43.62	54.00	-10.38	AV
Vertical	17475.167	59.67	4.77	64.44	68.20	-3.76	Pk
Vertical	17475.167	44.12	4.77	48.89	54.00	-5.11	AV
Horizontal	6039.119	65.49	-7.08	58.41	68.20	-9.79	Pk
Horizontal	6039.119	54.13	-7.08	47.05	54.00	-6.95	AV
Horizontal	11650.026	59.80	-0.50	59.30	74.00	-14.70	Pk
Horizontal	11650.026	44.20	-0.50	43.70	54.00	-10.30	AV
Horizontal	17475.077	56.81	4.77	61.58	68.20	-6.62	Pk
Horizontal	17475.077	44.92	4.77	49.69	54.00	-4.31	AV

Note: PK value is lower than the Average value limit, So average didn't record.

The 26.5-40G amplitude of spurious emissions that are attenuated by more than 20dB below the permissible value has no need to be reported.

Emission level (dBuV/m) = 20 log Emission level (uV/m).

Correct Factor =Antenna Factor + Cable Loss - Preamp Factor

Over = Reading Level + Correct Factor - Limits

Test Mode: TX(5.8G) - 802.11ac-HT40

Polar	Frequency	Reading Level	Correct Factor	Measurement	Limits	Over	Detector Type
(H/V)	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low Channel (5755 MHz)-Above 1G							
Vertical	4679.101	69.93	-10.36	59.57	74.00	-14.43	AV
Vertical	4679.101	54.48	-10.36	44.12	54.00	-9.88	Pk
Vertical	11510.064	56.59	-0.26	56.33	74.00	-17.67	AV
Vertical	11510.064	44.17	-0.26	43.91	54.00	-10.09	Pk
Vertical	17265.068	58.96	4.35	63.31	68.20	-4.89	AV
Vertical	17265.068	44.64	4.35	48.99	54.00	-5.01	Pk
Horizontal	4679.122	65.28	-10.36	54.92	74.00	-19.08	AV
Horizontal	4679.122	54.19	-10.36	43.83	54.00	-10.17	Pk
Horizontal	11510.118	57.38	-0.26	57.12	74.00	-16.88	AV
Horizontal	11510.118	44.74	-0.26	44.48	54.00	-9.52	Pk
Horizontal	17265.016	59.99	4.35	64.34	68.20	-3.86	AV
Horizontal	17265.016	44.84	4.35	49.19	54.00	-4.81	AV
middle Channel (5795 MHz)-Above 1G							
Vertical	6039.161	66.47	-7.08	59.39	68.20	-8.81	Pk
Vertical	6039.161	54.25	-7.08	47.17	54.00	-6.83	AV
Vertical	11590.101	57.91	-0.20	57.71	74.00	-16.29	Pk
Vertical	11590.101	44.68	-0.20	44.48	54.00	-9.52	AV
Vertical	17385.072	56.73	4.81	61.54	68.20	-6.66	Pk
Vertical	17385.072	44.37	4.81	49.18	54.00	-4.82	AV
Horizontal	6039.144	69.03	-7.08	61.95	68.20	-6.25	Pk
Horizontal	6039.144	54.24	-7.08	47.16	54.00	-6.84	AV
Horizontal	11590.100	58.66	-0.20	58.46	74.00	-15.54	Pk
Horizontal	11590.100	44.99	-0.20	44.79	54.00	-9.21	AV
Horizontal	17385.198	57.31	4.81	62.12	68.20	-6.08	Pk
Horizontal	17385.198	44.53	4.81	49.34	54.00	-4.66	AV

Note: PK value is lower than the Average value limit, So average didn't record.

The 26.5-40G amplitude of spurious emissions that are attenuated by more than 20dB below the permissible value has no need to be reported.

Emission level (dBuV/m) = 20 log Emission level (uV/m).

Correct Factor =Antenna Factor + Cable Loss - Preamp Factor

Over = Reading Level + Correct Factor - Limits

Test Mode:	TX(5.8G) - 802.11ax-HE20
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Polar	Frequency	Reading Level	Correct Factor	Measurement	Limits	Over	Detector Type
(H/V)	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low Channel (5745 MHz)-Above 1G							
Vertical	4679.184	67.86	-10.36	57.50	74.00	-16.50	Pk
Vertical	4679.184	54.27	-10.36	43.91	54.00	-10.09	AV
Vertical	11490.182	55.22	-0.19	55.03	68.20	-13.17	Pk
Vertical	11490.182	44.80	-0.19	44.61	54.00	-9.39	AV
Vertical	17235.176	56.18	4.28	60.46	68.20	-7.74	Pk
Vertical	17235.176	44.34	4.28	48.62	54.00	-5.38	AV
Horizontal	4679.012	67.84	-10.36	57.48	74.00	-16.52	Pk
Horizontal	4679.012	54.86	-10.36	44.50	54.00	-9.50	AV
Horizontal	11490.169	58.25	-0.19	58.06	68.20	-10.14	Pk
Horizontal	11490.169	44.16	-0.19	43.97	54.00	-10.03	AV
Horizontal	17235.199	55.29	4.28	59.57	68.20	-8.63	Pk
Horizontal	17235.199	44.80	4.28	49.08	54.00	-4.92	AV
middle Channel (5785 MHz)-Above 1G							
Vertical	4592.137	67.90	-10.20	57.70	74.00	-16.30	Pk
Vertical	4592.137	54.73	-10.20	44.53	54.00	-9.47	AV
Vertical	11570.170	56.33	-0.21	56.12	68.20	-12.08	Pk
Vertical	11570.170	44.32	-0.21	44.11	54.00	-9.89	AV
Vertical	17355.080	58.11	4.68	62.79	68.20	-5.41	Pk
Vertical	17355.080	44.74	4.68	49.42	54.00	-4.58	AV
Horizontal	4592.023	66.33	-10.20	56.13	74.00	-17.87	Pk
Horizontal	4592.023	54.41	-10.20	44.21	54.00	-9.79	AV
Horizontal	11570.043	58.89	-0.21	58.68	68.20	-9.52	Pk
Horizontal	11570.043	44.05	-0.21	43.84	54.00	-10.16	AV
Horizontal	17355.079	59.01	4.68	63.69	68.20	-4.51	Pk
Horizontal	17355.079	44.77	4.68	49.45	54.00	-4.55	AV
High Channel (5825 MHz)-Above 1G							
Vertical	6039.081	66.00	-7.08	58.92	68.20	-9.28	Pk
Vertical	6039.081	54.81	-7.08	47.73	54.00	-6.27	AV
Vertical	11650.009	57.78	-0.50	57.28	74.00	-16.72	Pk
Vertical	11650.009	44.10	-0.50	43.60	54.00	-10.40	AV
Vertical	17475.020	58.76	4.77	63.53	68.20	-4.67	Pk
Vertical	17475.020	44.53	4.77	49.30	54.00	-4.70	AV
Horizontal	6039.180	66.27	-7.08	59.19	68.20	-9.01	Pk
Horizontal	6039.180	54.20	-7.08	47.12	54.00	-6.88	AV
Horizontal	11650.127	56.23	-0.50	55.73	74.00	-18.27	Pk
Horizontal	11650.127	44.46	-0.50	43.96	54.00	-10.04	AV
Horizontal	17475.200	58.02	4.77	62.79	68.20	-5.41	Pk
Horizontal	17475.200	44.04	4.77	48.81	54.00	-5.19	AV

Note: PK value is lower than the Average value limit, So average didn't record.

The 26.5-40G amplitude of spurious emissions that are attenuated by more than 20dB below the permissible value has no need to be reported.

Emission level (dBuV/m) = 20 log Emission level (uV/m).

Correct Factor =Antenna Factor + Cable Loss - Preamp Factor

Over = Reading Level + Correct Factor - Limits

Test Mode: TX(5.8G) - 802.11ax-HE40

Polar	Frequency	Reading Level	Correct Factor	Measurement	Limits	Over	Detector Type
(H/V)	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low Channel (5755 MHz)-Above 1G							
Vertical	4679.093	66.86	-10.36	56.50	74.00	-17.50	AV
Vertical	4679.093	54.97	-10.36	44.61	54.00	-9.39	Pk
Vertical	11510.012	59.60	-0.26	59.34	74.00	-14.66	AV
Vertical	11510.012	44.75	-0.26	44.49	54.00	-9.51	Pk
Vertical	17265.156	57.81	4.35	62.16	68.20	-6.04	AV
Vertical	17265.156	44.01	4.35	48.36	54.00	-5.64	Pk
Horizontal	4679.069	65.91	-10.36	55.55	74.00	-18.45	AV
Horizontal	4679.069	54.09	-10.36	43.73	54.00	-10.27	Pk
Horizontal	11510.106	56.02	-0.26	55.76	74.00	-18.24	AV
Horizontal	11510.106	44.15	-0.26	43.89	54.00	-10.11	Pk
Horizontal	17265.039	56.22	4.35	60.57	68.20	-7.63	AV
Horizontal	17265.039	44.24	4.35	48.59	54.00	-5.41	AV
middle Channel (5795 MHz)-Above 1G							
Vertical	6039.165	66.42	-7.08	59.34	68.20	-8.86	Pk
Vertical	6039.165	54.20	-7.08	47.12	54.00	-6.88	AV
Vertical	11590.113	57.32	-0.20	57.12	74.00	-16.88	Pk
Vertical	11590.113	44.10	-0.20	43.90	54.00	-10.10	AV
Vertical	17385.069	59.69	4.81	64.50	68.20	-3.70	Pk
Vertical	17385.069	44.11	4.81	48.92	54.00	-5.08	AV
Horizontal	6039.052	68.55	-7.08	61.47	68.20	-6.73	Pk
Horizontal	6039.052	54.45	-7.08	47.37	54.00	-6.63	AV
Horizontal	11590.100	57.93	-0.20	57.73	74.00	-16.27	Pk
Horizontal	11590.100	44.47	-0.20	44.27	54.00	-9.73	AV
Horizontal	17385.050	55.12	4.81	59.93	68.20	-8.27	Pk
Horizontal	17385.050	44.54	4.81	49.35	54.00	-4.65	AV

Note: PK value is lower than the Average value limit, So average didn't record.
The 26.5-40G amplitude of spurious emissions that are attenuated by more than 20dB below the permissible value has no need to be reported.
Emission level (dBuV/m) = 20 log Emission level (uV/m).
Correct Factor =Antenna Factor + Cable Loss - Preamp Factor
Over = Reading Level + Correct Factor - Limits

- ☒ Undesirable radiated Undesirable radiated Spurious Emission in Band Edge
- All the modes 802.11a/n has been tested and the worst result 802.11a20 recorded as below:

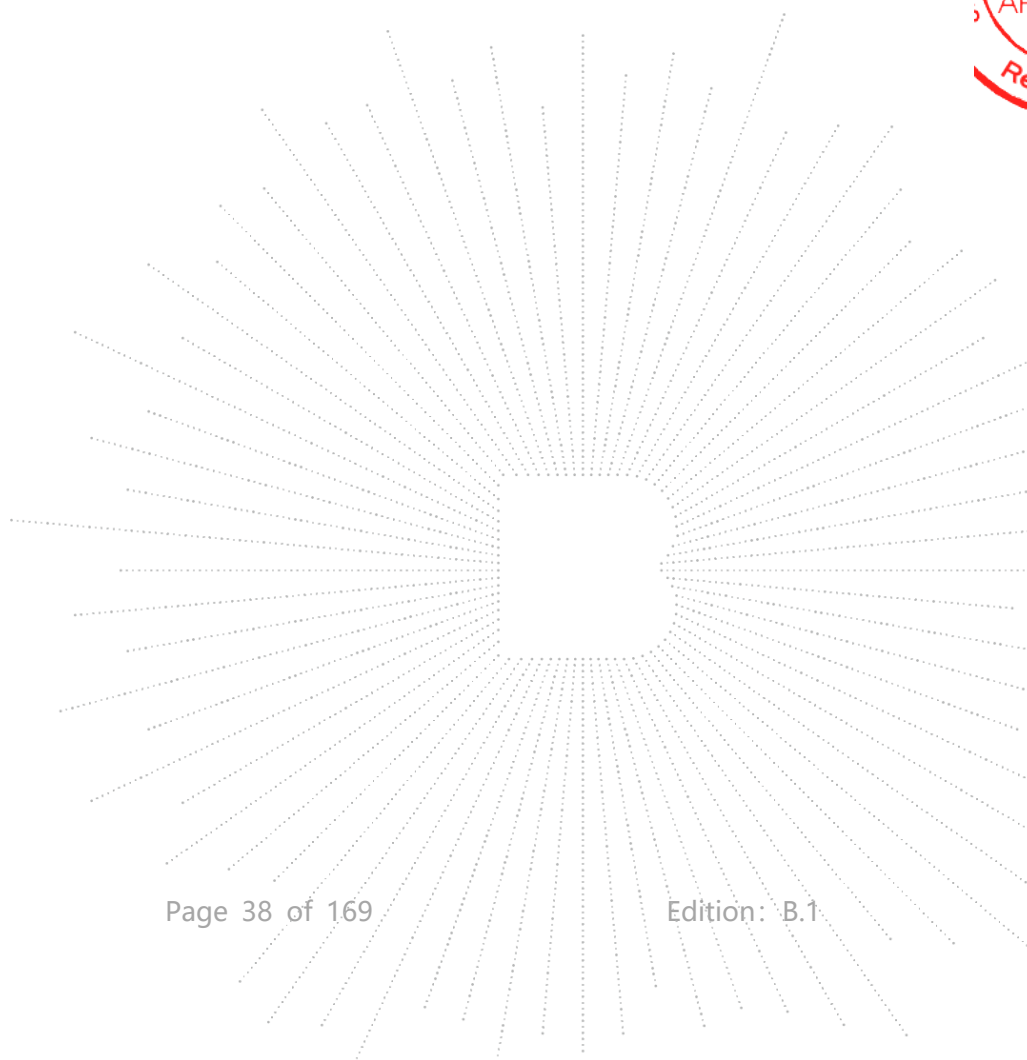
Test mode: 802.11a20 Frequency(MHz): 5745

Frequency (MHz)	Polarity	PK(dBuV/m) (VBW=3MHz)	Limit 3m (dBuV/m)
5725.00	H	46.91	122.20
5725.00	V	45.89	122.20

Test mode: 802.11a20 Frequency(MHz): 5825

Frequency (MHz)	Polarity	PK(dBuV/m) (VBW=3MHz)	Limit 3m (dBuV/m)
5845.00	H	49.68	122.20
5845.00	V	53.82	122.20

Note: (1) All Readings are Peak Value (VBW=3MHz) and Average Value (VBW=10Hz).
(2) Emission Level= Reading Level+Correct Factor.
(3) Correct Factor= Ant_F + Cab_L - Preamp



8. Power Spectral Density Test

8.1 Block Diagram Of Test Setup



8.2 Limit

For the band 5.15-5.25 GHz,

(i) For an outdoor access point operating in the band 5.15-5.25 GHz, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. The maximum e.i.r.p. at any elevation angle above 30 degrees as measured from the horizon must not exceed 125 mW (21 dBm).

(ii) For an indoor access point operating in the band 5.15-5.25 GHz, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

(iii) For fixed point-to-point access points operating in the band 5.15-5.25 GHz, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band. Fixed point-to-point U-NII devices may employ antennas with directional gain up to 23 dBi without any corresponding reduction in the maximum conducted output power or maximum power spectral density. For fixed point-to-point transmitters that employ a directional antenna gain greater than 23 dBi, a 1 dB reduction in maximum conducted output power and maximum power spectral density is required for each 1 dB of antenna gain in excess of 23 dBi. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications, and multiple collocated transmitters transmitting the same information. The operator of the U-NII device, or if the equipment is professionally installed, the installer, is responsible for ensuring that systems employing high gain directional antennas are used exclusively for fixed, point-to-point operations.

(iv) For client devices in the 5.15-5.25 GHz band, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

For the 5.25-5.35 GHz and 5.47-5.725 GHz bands,

The maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or $11 \text{ dBm} + 10 \log B$, where B is the 26 dB emission bandwidth in megahertz. In addition, the

maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

For the band 5.725-5.85 GHz

For the band 5.725-5.85 GHz, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

8.3 Test Procedure

For devices operating in the bands 5.15-5.25 GHz, 5.25-5.35 GHz, and 5.47-5.725 GHz, the above procedures make use of 1 MHz RBW to satisfy directly the 1 MHz reference bandwidth specified in § 15.407(a)(5).

For devices operating in the band 5.725-5.85 GHz, the rules specify a measurement bandwidth of 500 kHz. Many spectrum analyzers do not have 500 kHz RBW, thus a narrower RBW may need to be used. The rules permit the use of a RBWs less than 1 MHz, or 500 kHz, "provided that the measured power is integrated over the full reference bandwidth" to show the total power over the specified measurement bandwidth (i.e., 1 MHz, or 500 kHz). If measurements are performed using a reduced resolution bandwidth (< 1 MHz, or < 500 kHz) and integrated over 1 MHz, or 500 KHz bandwidth, the following adjustments to the procedures apply:

- a) Set $RBW \geq 1/T$, where T is defined in section II.B.I.a).
- b) Set $VBW \geq 3 RBW$.
- c) If measurement bandwidth of Maximum PSD is specified in 500 kHz, add $10\log(500\text{kHz}/RBW)$ to the measured result, whereas $RBW (< 500 \text{ KHz})$ is the reduced resolution bandwidth of the spectrum analyzer set during measurement.
- d) If measurement bandwidth of Maximum PSD is specified in 1 MHz, add $10\log(1\text{MHz}/RBW)$ to the measured result, whereas $RBW (< 1 \text{ MHz})$ is the reduced resolution bandwidth of spectrum analyzer set during measurement.
- e) Care must be taken to ensure that the measurements are performed during a period of continuous transmission or are corrected upward for duty cycle.

Note: As a practical matter, it is recommended to use reduced RBW of 100 KHz for the sections 5.c) and 5.d) above, since $RBW=100 \text{ KHz}$ is available on nearly all spectrum analyzers.

8.4 EUT Operating Conditions

The EUT was configured for testing in a typical fashion (as a customer would normally use it). The EUT has been programmed to continuously transmit during test. This operating condition was tested and used to collect the included data.

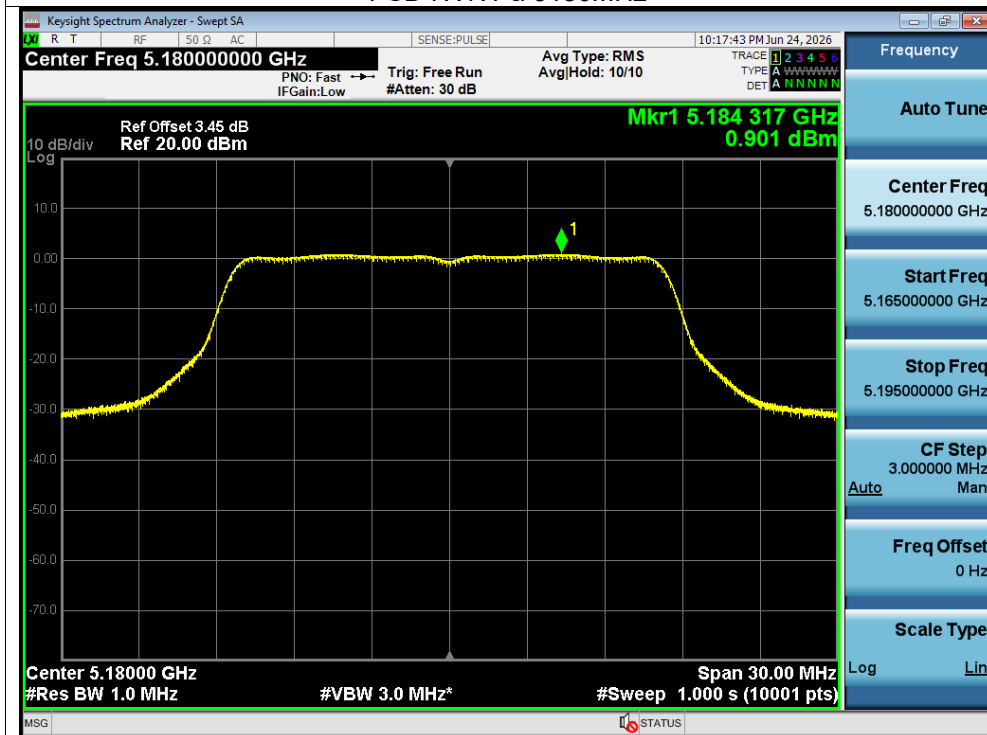
8.5 Test Result

Temperature:	26 °C	Relative Humidity:	54%RH
Pressure:	101KPa	Test Voltage:	AC 120V/60Hz
Test Mode:	(5180-5240MHz)		

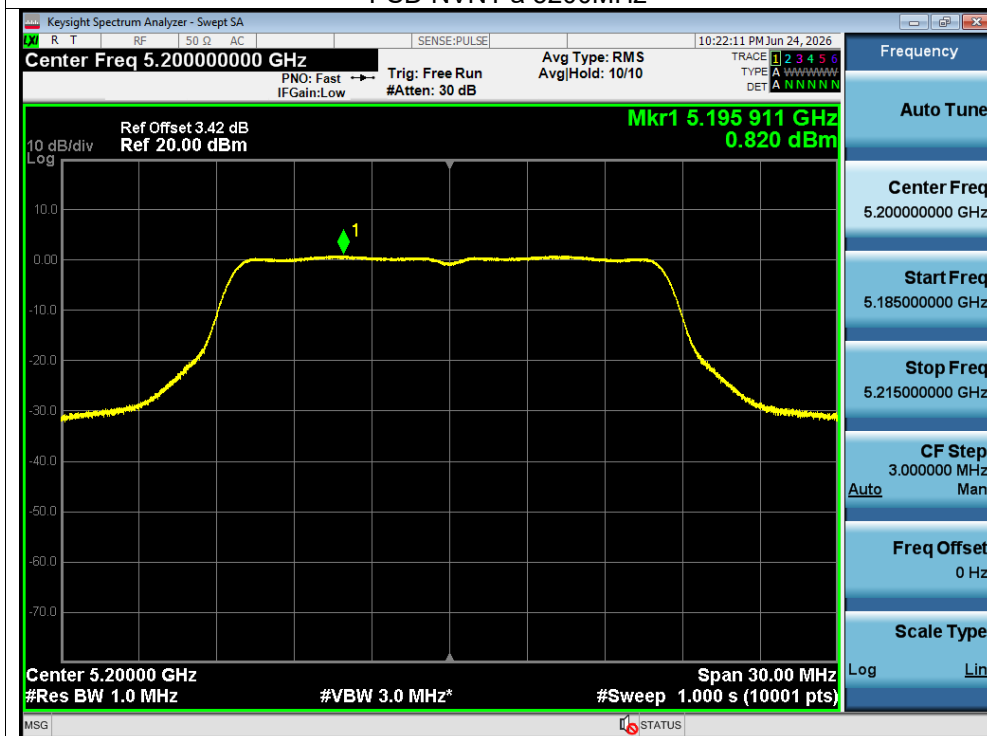
Condition	Mode	Frequency (MHz)	Conducted PSD (dBm/MHz)	Correction Factor (dB)	Total PSD (dBm)	Limit (dBm/MHz)	Verdict
NVNT	a	5180	0.90	0.07	0.97	11	Pass
NVNT	a	5200	0.82	0.07	0.89	11	Pass
NVNT	a	5240	1.80	0.07	1.87	11	Pass
NVNT	n20	5180	-0.32	0.07	-0.25	11	Pass
NVNT	n20	5200	-0.39	0.07	-0.32	11	Pass
NVNT	n20	5240	0.71	0.07	0.78	11	Pass
NVNT	n40	5190	-4.03	0.16	-3.87	11	Pass
NVNT	n40	5230	-0.26	0.17	-0.09	11	Pass
NVNT	ac20	5180	-0.33	0.07	-0.26	11	Pass
NVNT	ac20	5200	-0.40	0.07	-0.33	11	Pass
NVNT	ac20	5240	0.70	0.07	0.77	11	Pass
NVNT	ac40	5190	-3.97	0.15	-3.82	11	Pass
NVNT	ac40	5230	-2.56	0.16	-2.4	11	Pass
NVNT	ax20	5180	-0.32	0.63	0.31	11	Pass
NVNT	ax20	5200	-0.47	0.63	0.16	11	Pass
NVNT	ax20	5240	1.08	0.62	1.7	11	Pass
NVNT	ax40	5190	-4.42	0.00	-4.42	11	Pass
NVNT	ax40	5230	-2.82	0.63	-2.19	11	Pass

Test Graphs

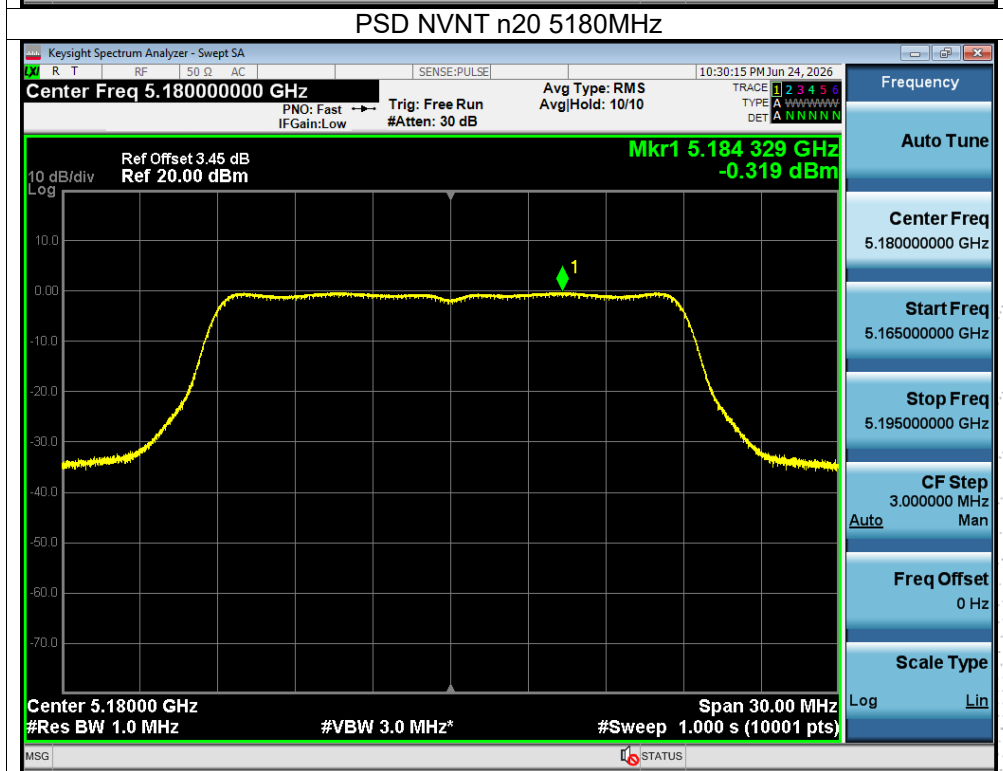
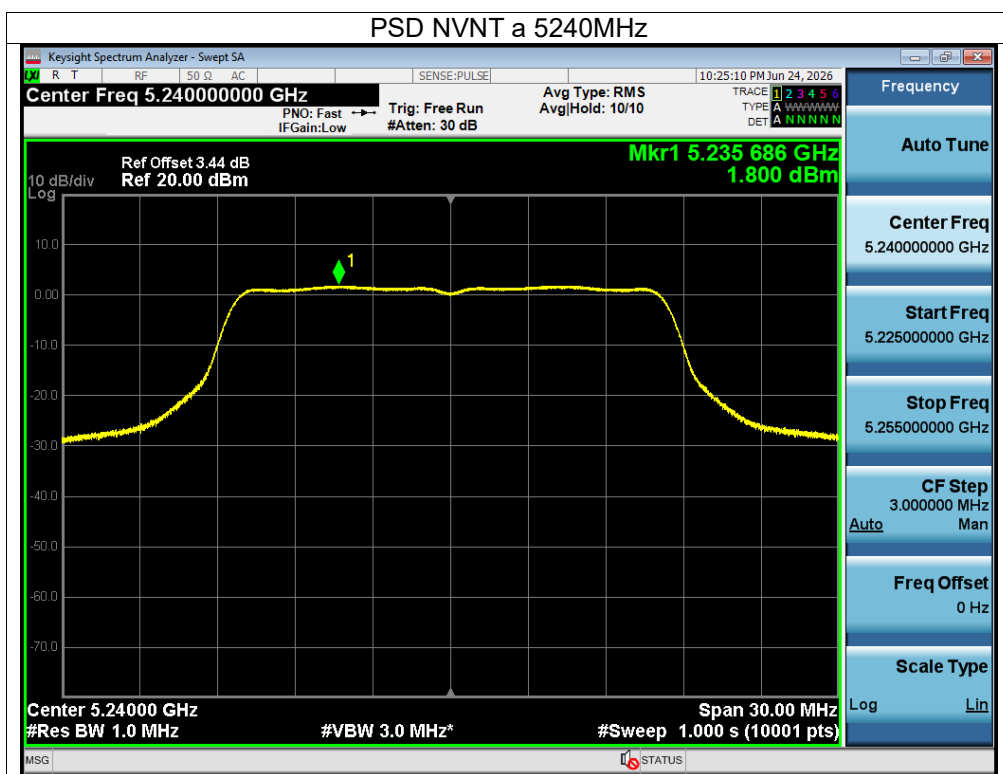
PSD NVNT a 5180MHz



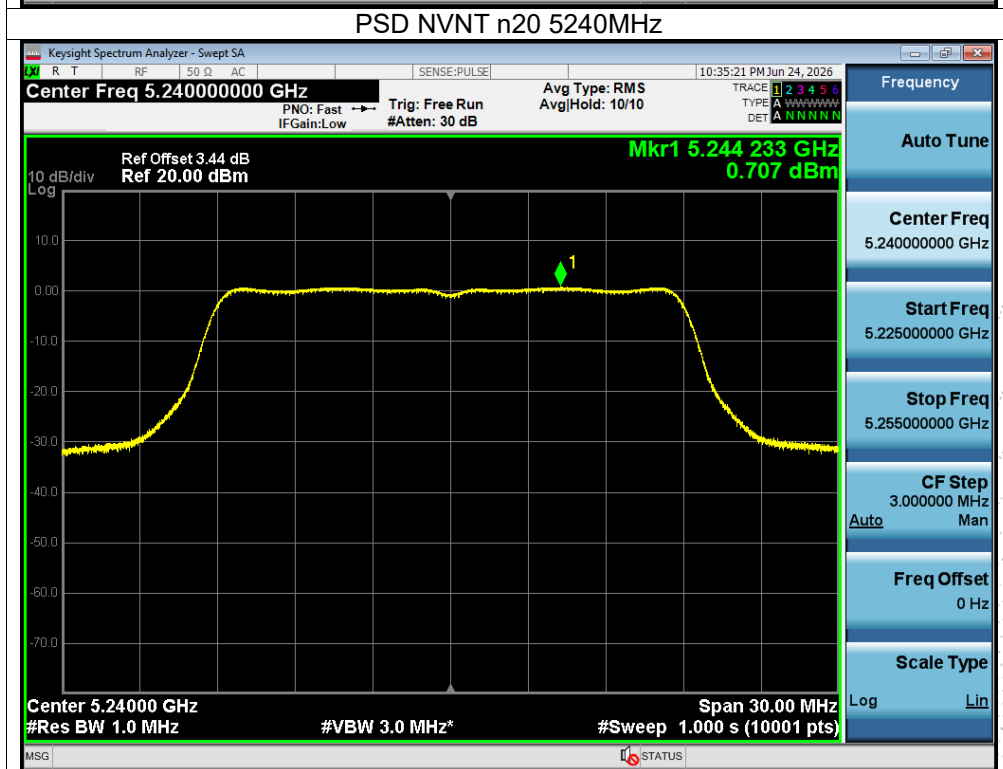
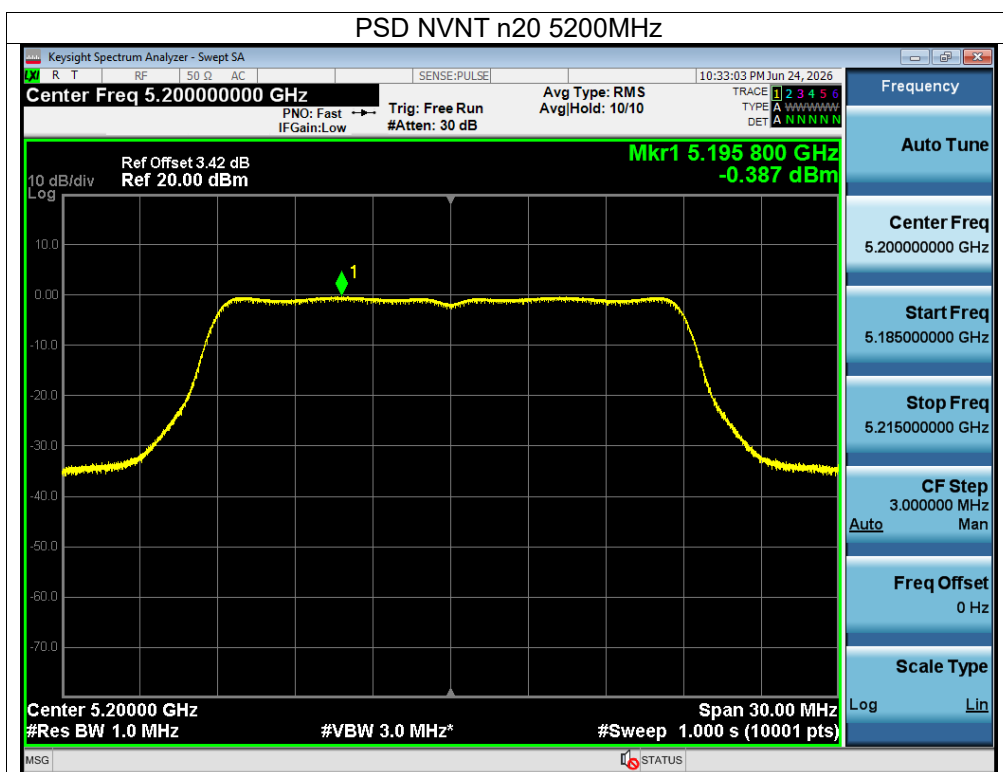
PSD NVNT a 5200MHz

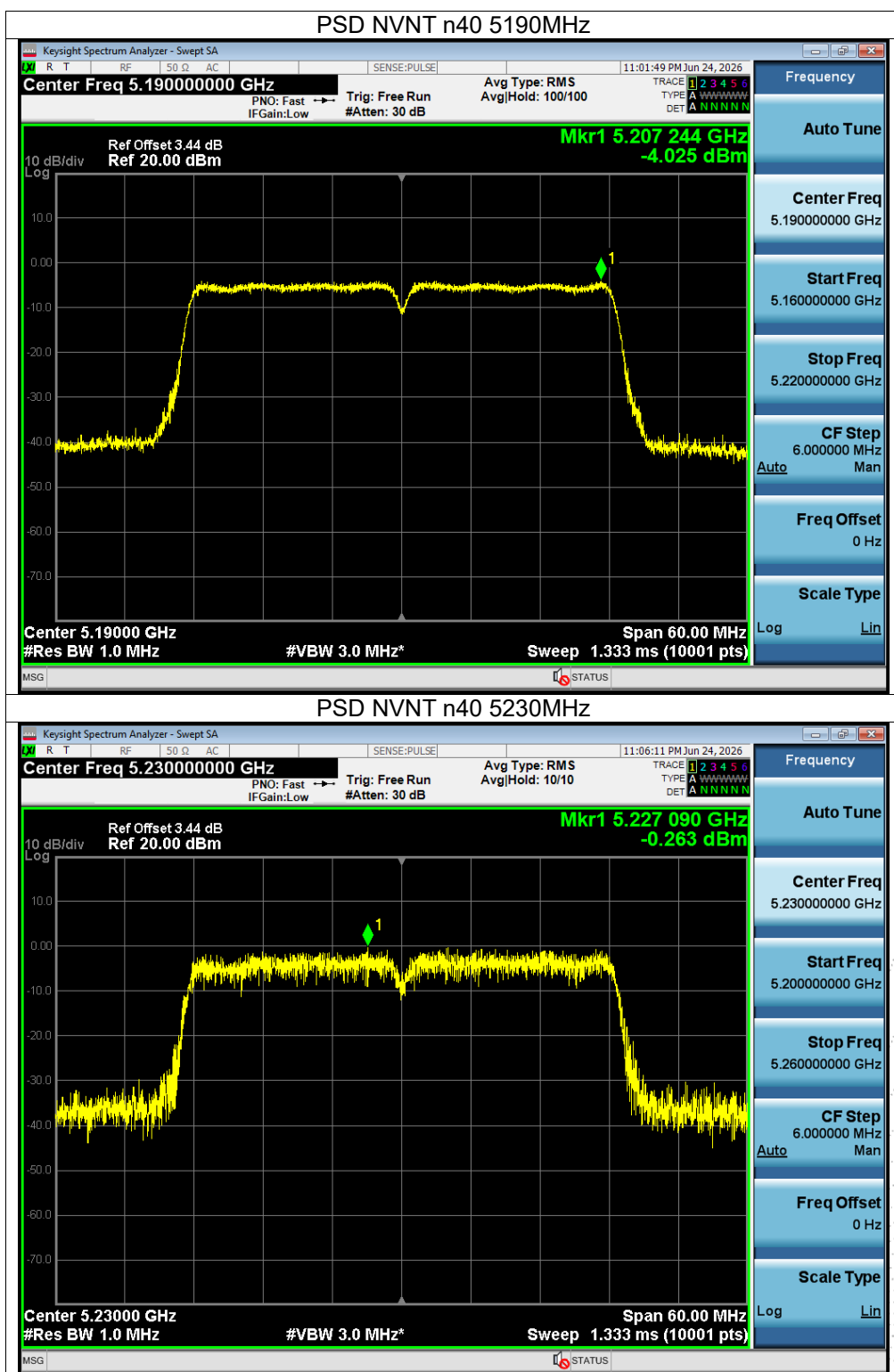


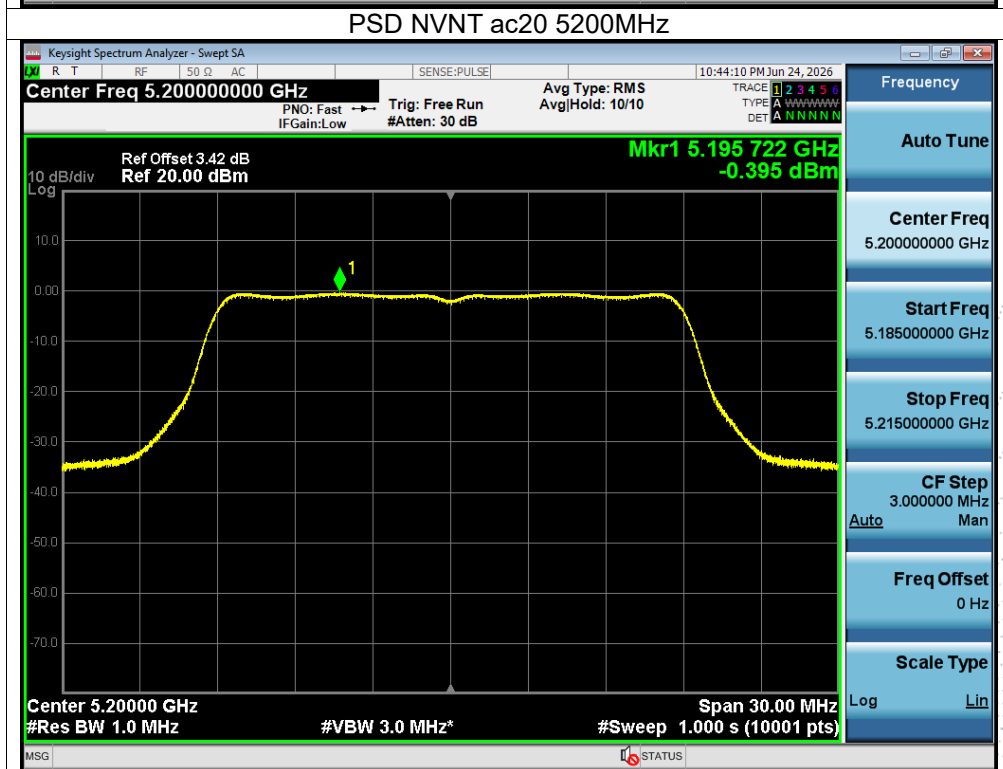
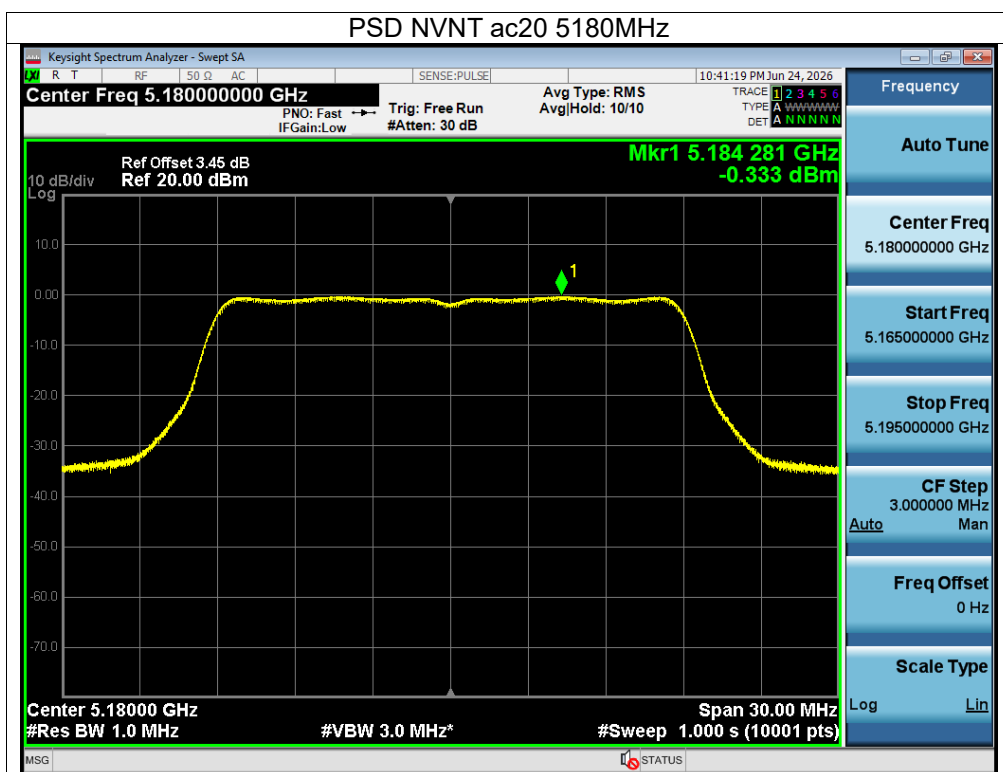
CO., LTD

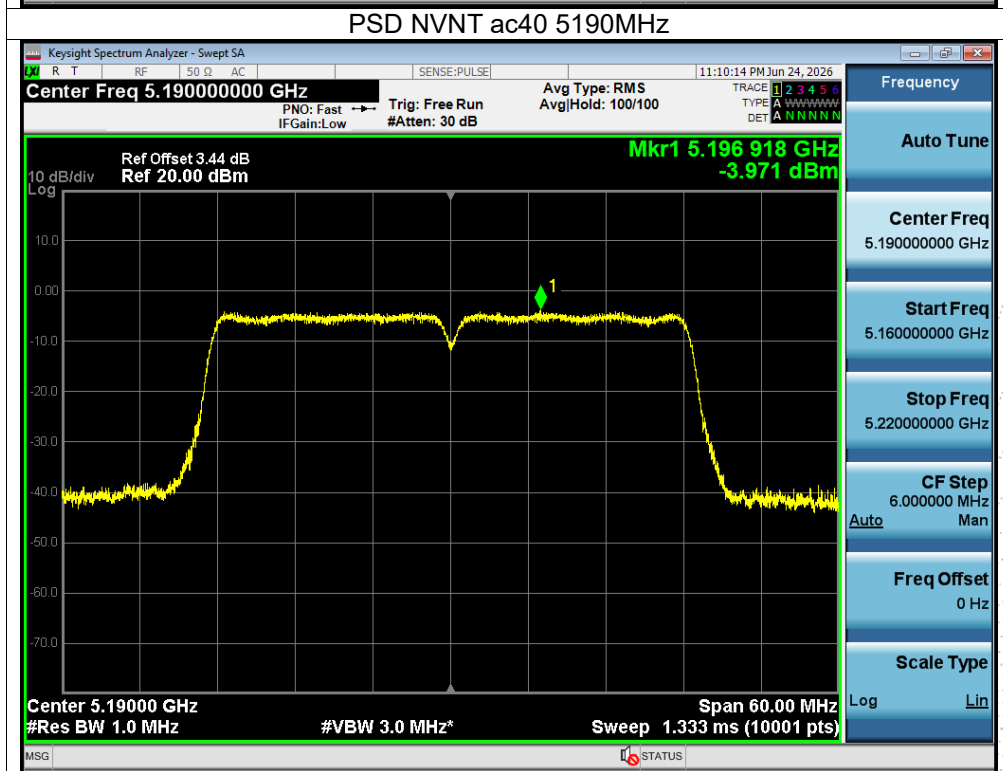
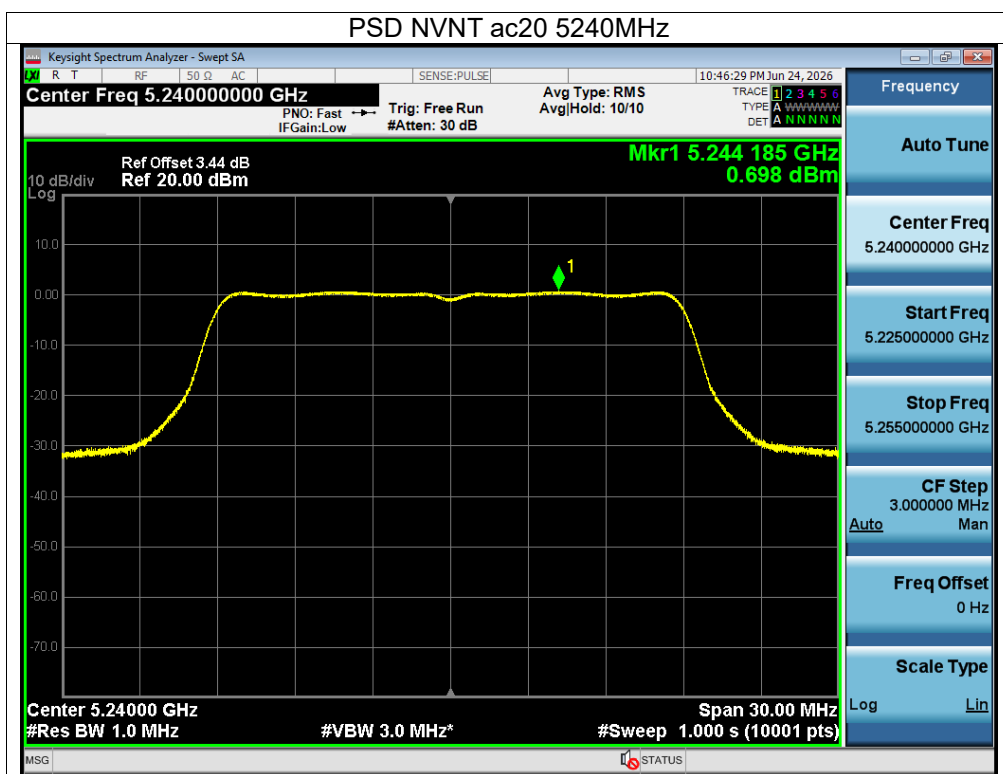


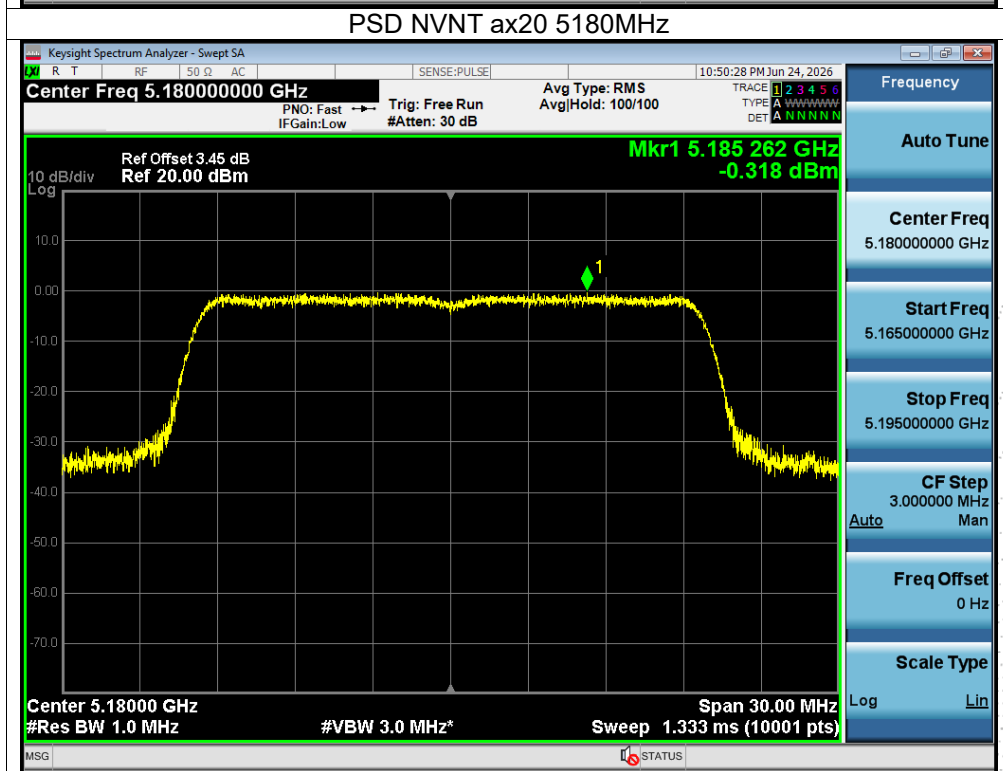
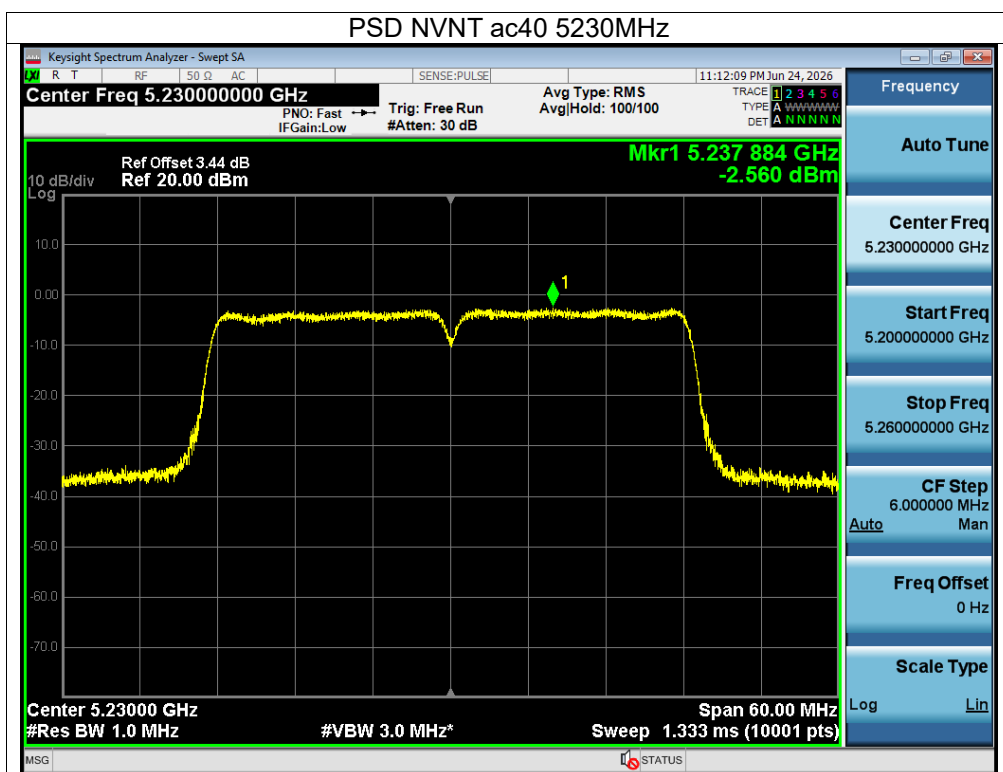
SHENZHEN



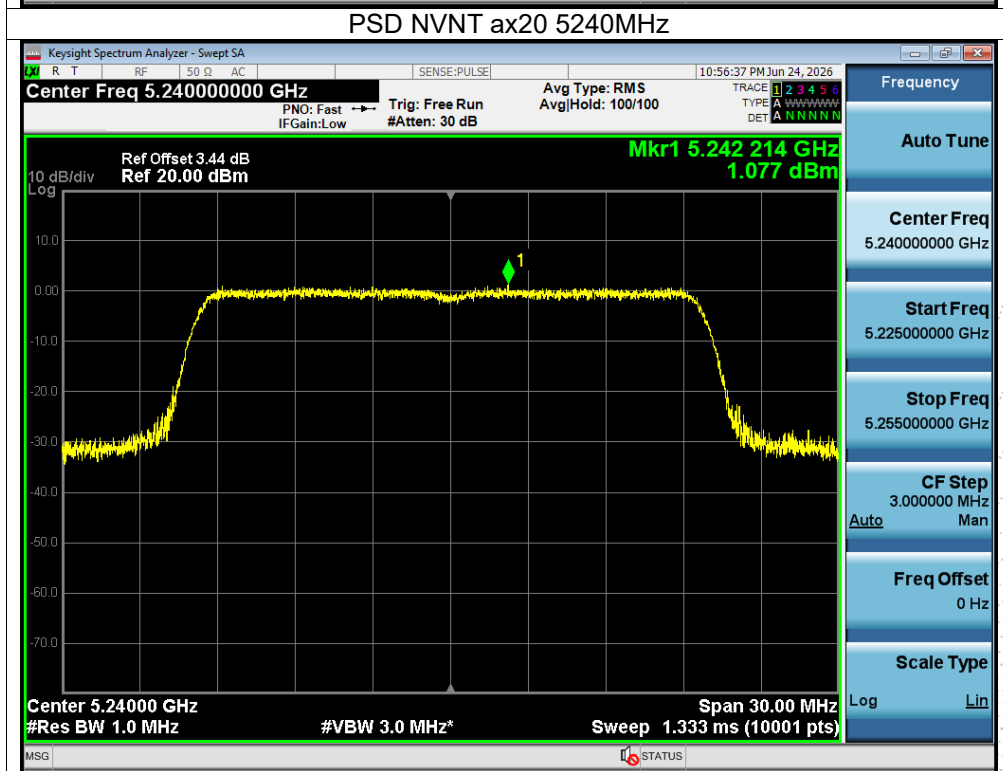
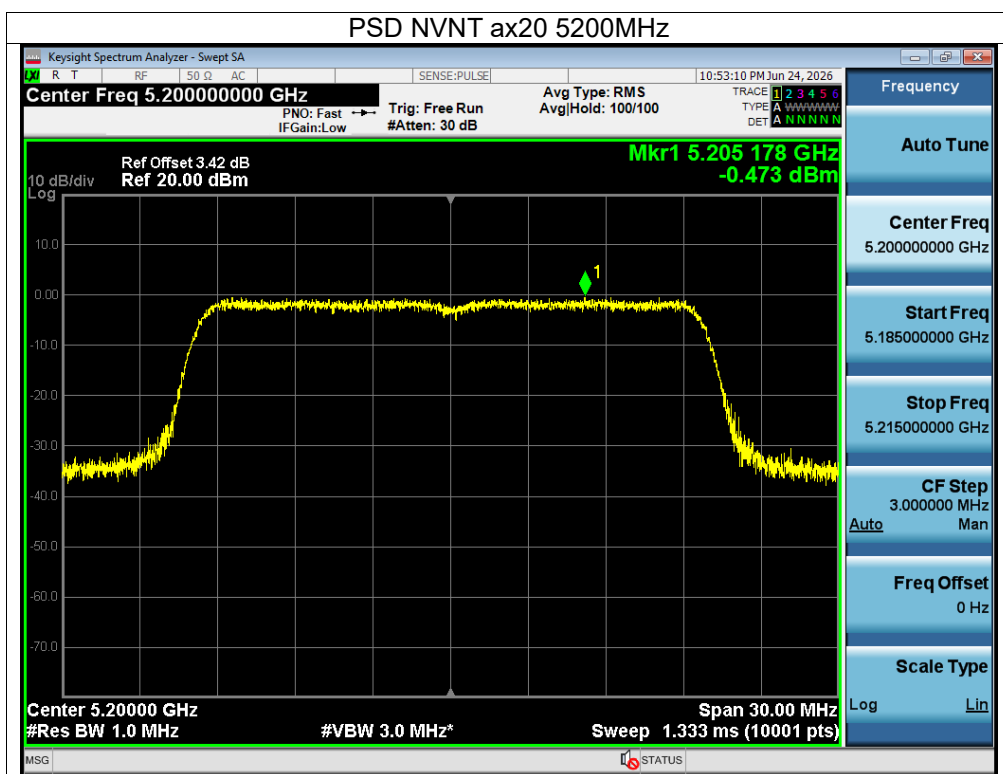


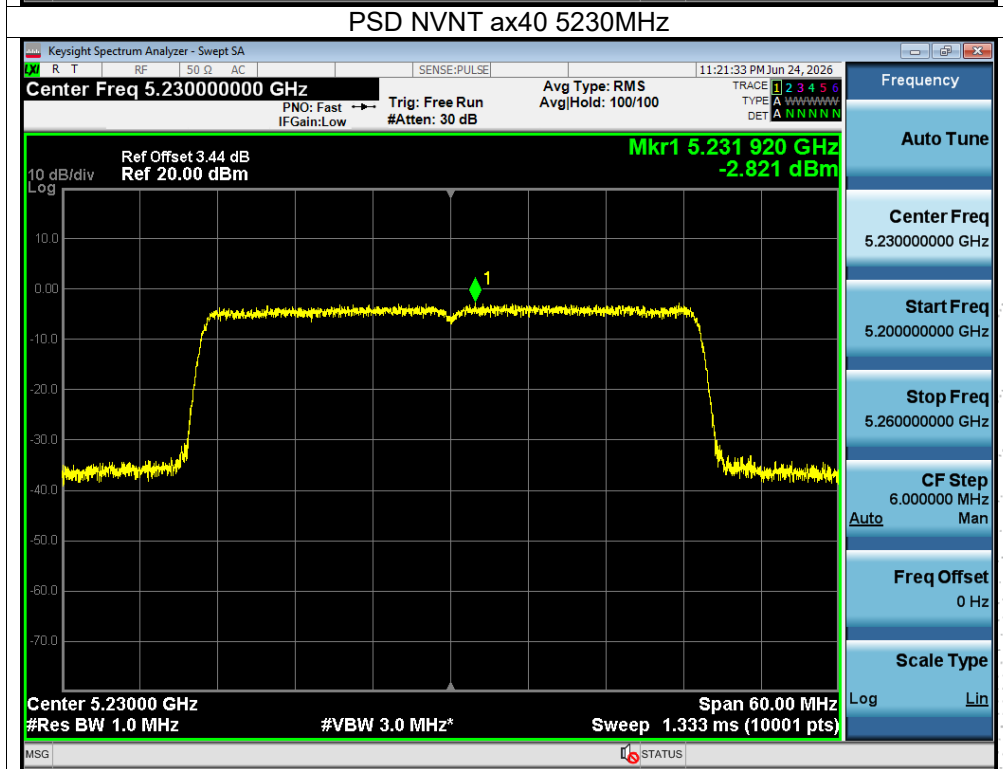
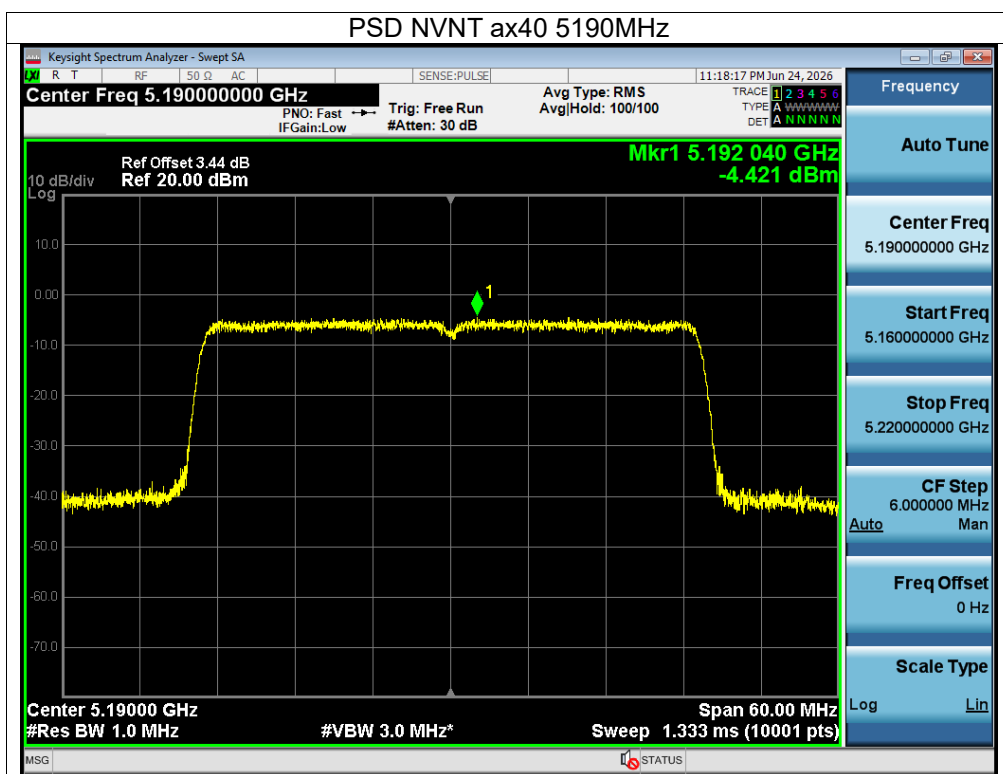






CO., LTD





Temperature:	26 °C	Relative Humidity:	54%RH
Pressure:	101KPa	Test Voltage:	AC 120V/60Hz
Test Mode:	(5745-5825MHz)		

Condition	Mode	Frequency (MHz)	Conducted PSD (dBm/MHz)	Correction Factor (dB)	Total PSD (dBm)	Limit (dBm/MHz)	Verdict
NVNT	a	5745	-2.57	0.07	-2.5	30	Pass
NVNT	a	5785	-2.07	0.07	-2	30	Pass
NVNT	a	5825	-1.86	0.07	-1.79	30	Pass
NVNT	n20	5745	-4	0.07	-3.93	30	Pass
NVNT	n20	5785	-3.53	0.07	-3.46	30	Pass
NVNT	n20	5825	-3.37	0.07	-3.3	30	Pass
NVNT	n40	5755	-8.07	0.16	-7.91	30	Pass
NVNT	n40	5795	-7.77	0.16	-7.61	30	Pass
NVNT	ac20	5745	-3.26	0.07	-3.19	30	Pass
NVNT	ac20	5785	-3.65	0.06	-3.59	30	Pass
NVNT	ac20	5825	-2.69	0.07	-2.62	30	Pass
NVNT	ac40	5755	-6.05	0.16	-5.89	30	Pass
NVNT	ac40	5795	-7.88	0.16	-7.72	30	Pass
NVNT	ax20	5745	-3.8	0.62	-3.18	30	Pass
NVNT	ax20	5785	-3.67	0.63	-3.04	30	Pass
NVNT	ax20	5825	-3.66	0.62	-3.04	30	Pass
NVNT	ax40	5755	-8.31	0.63	-7.68	30	Pass
NVNT	ax40	5795	-7.85	0.64	-7.21	30	Pass

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