TEST REPORT

Report No.:	BCTC2503052270-4E
Applicant:	SHENZHEN YUNJI INTELLIGENT TECHNOLOGY CO.,LTD
Product Name:	Smart Phone
Test Model:	C62
Tested Date:	2025-03-24 to 2025-04-09
Issued Date:	2025-04-10

Shenzhen BCTC Testing Co., Ltd.

FCC ID: 2ANMU-25156

Product Name:	Smart Phone
Trademark:	OUKITEL
Model/Type reference:	C62 C62 E, C62 S, C62 Pro, C62 Plus, C62 Ultra, C62 GT
Prepared For:	SHENZHEN YUNJI INTELLIGENT TECHNOLOGY CO.,LTD
Address:	A2 2F BUILDING ENET NEW INDUSTRIAL PARK, DAFU INDUSTRIAL ZONE, GUANLAN, LONGHUA SHENZHEN, 518XXX China
Manufacturer:	SHENZHEN YUNJI INTELLIGENT TECHNOLOGY CO.,LTD
Address:	A2 2F BUILDING ENET NEW INDUSTRIAL PARK, DAFU INDUSTRIAL ZONE, GUANLAN, LONGHUA SHENZHEN, 518XXX China
Prepared By:	Shenzhen BCTC Testing Co., Ltd.
Address:	1-2/F., Building B, Pengzhou Industrial Park, No.158, Fuyuan 1st Road, Zhancheng, Fuhai Subdistrict, Bao'an District, Shenzhen, Guangdong, China
Sample Received Date:	2025-03-24
Sample tested Date:	2025-03-24 to 2025-04-09
Issue Date:	2025-04-10
Report No.:	BCTC2503052270-4E
Test Standards:	FCC Part15 15.407 ANSI C63.10-2013 KDB 789033 D02 v02r01
Test Results:	PASS

Tested by:

Brave Zeng/ Project Handler

Approved by:

Zero Zhou/Reviewer

The test report is effective only with both signature and specialized stamp. This result(s) shown in this report refer only to the sample(s) tested. Without written approval of Shenzhen BCTC Testing Co., Ltd, this report can't be reproduced except in full. The tested sample(s) and the sample information are provided by the client.

Table Of Content

(Note: N/A Means Not Applicable)

1. Version

Report No.	Issue Date	Description	Approved
BCTC2503052270-4E	2025-04-10	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)(1) 15.407 (b)(4) 15.407 (b)(8)	PASS
2	Conducted Emission	15.207	PASS
3	26 dB and 99% Emission Bandwidth	15.407 (a)(12) 15.1049	PASS
4	Minimum 6 dB bandwidth	15.407(e)	PASS
5	Maximum Conducted Output Power	15.407 (a)(1) 15.407 (a)(3)	PASS
6	Band Edge	2.1051, 15.407(b)(1) 15.407(b)(4)	PASS
7	Power Spectral Density	15.407 (a)(1) 15.407 (a)(3)	PASS
8	Spurious Emissions at Antenna Terminals	2.1051, 15.407(b)	PASS
9	Antenna Requirement	15.203	PASS

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. 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=4.3dB
3	3m chamber Radiated spurious emission(1GHz-18GHz)	U=4.5dB
4	3m chamber Radiated spurious emission(18GHz-40GHz)	U=3.34dB
5	Conducted Emission(150kHz-30MHz)	U=3.20dB
6	Conducted Adjacent channel power	U=1.38dB
7	Conducted output power uncertainty Above 1G	U=1.576dB
8	Conducted output power uncertainty below 1G	U=1.28dB
9	humidity uncertainty	U=5.3%
10	Temperature uncertainty	U=0.59℃

4. Product Information And Test Setup

4.1 Product Information

Model/Type reference:	C62 C62 E, C62 S, C62 Pro, C62 Plus, C62 Ultra, C62 GT
Model differences:	All the model are the same circuit and RF module, except model names.
Hardware Version:	SC6030_U_MB_V1.0.1
Software Version:	V04
IEEE 802.11 WLAN Mode Supported	802.11a/n/ac(20MHz channel bandwidth) 802.11n/ac(40MHz channel bandwidth) 802.11ac(80MHz channel bandwidth)
Operation Frequency:	5180-5240MHz for 802.11a/n(HT20); 5190-5230MHz for 802.11n(HT40); 5210MHz for 802.11 ac80; 5745-5825 MHz for 802.11a/n(HT20); 5755-5795 MHz for 802.11n(HT40); 5775MHz for 802.11 ac80;
Data Rate	802.11a: 6,9,12,18,24,36,48,54Mbps; 802.11n(HT20/HT40):MCS0-MCS15; 802.11ac(VHT20): NSS1, MCS0-MCS8 802.11ac(VHT40/VHT80):NSS1, MCS0-MCS
Type of Modulation:	OFDM with BPSK/QPSK/16QAM/64QAM/256QAM for 802.11a/n/ac;
Number Of Channel	4 channels for 802.11a/n20 in the 5180-5240MHz band ; 2 channels for 802.11 n40 in the 5190-5230MHz band ; 1 channels for 802.11 ac80 in the 5210MHz band ; 5 channels for 802.11a/n20 in the 5745-5825MHz band ; 2 channels for 802.11 n40 in the 5755-5795MHz band ; 1 channels for 802.11 ac80 in the 5775MHz band
Antenna installation:	Internal antenna
Antenna Gain:	0.71 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 antenna gain of the product is provided by the customer, and the test data is affected by the customer information.
Ratings:	DC 5V from adapter/DC 3.87V from battery
Adapter Information:	Model: HJ-0502000N2-US Input: 100-240V~ 50/60Hz 0.3A Output: 5.0V ⎓ 2.0A 10.0W

4.2 Test Setup Configuration

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

4.3 Support Equipment

No.	Device Type	Brand	Model	Series No.	Note
E-1	Smart Phone	OUKITEL	C62	N/A	EUT
E-2	Adapter	N/A	HJ-0502000N2-US	N/A	Auxiliary
E-3	TF card	SanDisk	32G	---	---

Item	Shielded Type	Ferrite Core	Length	Note
C-1	NO	NO	1M	DC cable unshielded

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

5.1G

802.11a/n/ac (20MHz) Carrier Frequency Channel							
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
36	5180	44	5220	-	-	-	-
40	5200	48	5240	-	-	-	-

802.11n /ac(40MHz) Carrier Frequency Channel							
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
38	5190	-	-	-	-	-	-
46	5230	-	-	-	-	-	-

802.11ac (80MHz) Carrier Frequency Channel	
Channel	Frequency (MHz)
42	5210

5.8G

802.11a/n/ac(20 MHz) Carrier Frequency Channel							
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
149	5745	153	5765	157	5785	161	5805
165	5825	-	-	-	-	-	-

802.11n/ac 40MHz Carrier Frequency Channel					
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
151	5755	159	5795	-	-

802.11ac 80MHz Carrier Frequency Channel	
Channel	Frequency (MHz)
155	5775

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 20 CH36/ CH40/ CH 48 802.11a /n/ ac 20 CH149/ CH157/ CH 165
Mode 2	802.11n/ ac40 CH38/ CH 46 802.11n/ ac40 CH 151 / CH 159
Mode 3	802.11 ac80 CH 42/CH 155
Mode 4	WIFI Link

Note:
1. The measurements are performed at all Bit Rate of Transmitter, the worst data was reported.
2.We're testing antenna A data.

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

Test software Version	CMD		
Parameters	DEF	DEF	DEF

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 Testing Co., Ltd. Address: 1-2/F., Building B, Pengzhou Industrial Park, No.158, Fuyuan 1st Road, Zhancheng, Fuhai Subdistrict, Bao'an District, Shenzhen, Guangdong, China. The site and apparatus are constructed in conformance with the requirements of ANSI C63.4 and CISPR 16-1-1 other equivalent standards.
FCC Test Firm Registration Number: 712850
A2LA certificate registration number is: CN1212
ISED Registered No.: 23583
ISED CAB identifier: CN0017

5.2 Test Instrument Used

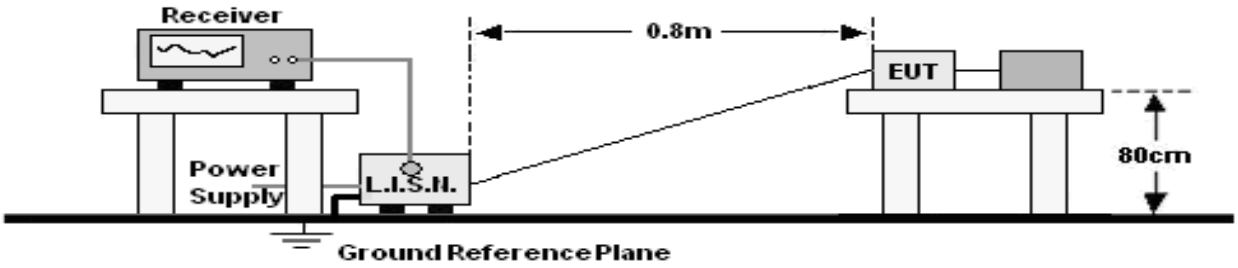
Conducted Emissions Test					
Equipment	**Manufacturer**	**Model#**	**Serial#**	**Last Cal.**	**Next Cal.**
Receiver	R&S	ESR	102075	May 16, 2024	May 15, 2025
LISN	R&S	ENV216	101375	May 16, 2024	May 15, 2025
Software	Frad	EZ-EMC	EMC-CON 3A1	\	\
Pulse limiter	Schwarzbeck	VTSD9561-F	01323	May 16, 2024	May 15, 2025

RF Conducted Test					
Equipment	**Manufacturer**	**Model#**	**Serial#**	**Last Cal.**	**Next Cal.**
Power meter	Keysight	E4419	\	May 16, 2024	May 15, 2025
Power Sensor (AV)	Keysight	E9300A	\	May 16, 2024	May 15, 2025
Signal Analyzer20kHz-26.5GHz	Keysight	N9020A	MY49100060	May 16, 2024	May 15, 2025
Spectrum Analyzer9kHz-40GHz	R&S	FSP40	100363	May 16, 2024	May 15, 2025
Communication test set	R&S	CMW500	126173	Nov 11, 2024	Nov 10, 2025
Radio frequency control box	MAIWEI	MW200-RFCB	\	\	\
Software	MAIWEI	MTS 8200	\	\	\

Radiated Emissions Test (966 Chamber01)					
Equipment	**Manufacturer**	**Model#**	**Serial#**	**Last Cal.**	**Next Cal.**
966 chamber	ChengYu	966 Room	966	May 15, 2023	May 14, 2026
Receiver	R&S	ESR	102075	May 16, 2024	May 15, 2025
Receiver	R&S	ESRP	101154	May 16, 2024	May 15, 2025
Amplifier	Schwarzbeck	BBV9744	9744-0037	May 16, 2024	May 15, 2025
TRILOG Broadband Antenna	Schwarzbeck	VULB9163	942	May 21, 2024	May 20, 2025
Loop Antenna(9KHz -30MHz)	Schwarzbeck	FMZB1519B	00014	May 21, 2024	May 20, 2025
Amplifier	SKET	LAPA_01G18G-45dB	SK2021040901	May 16, 2024	May 15, 2025
Horn Antenna	Schwarzbeck	BBHA9120D	1541	May 21, 2024	May 20, 2025
Amplifier(18GHz-40GHz)	MITEQ	TTA1840-35-HG	2034381	May 16, 2024	May 15, 2025
Horn Antenna(18GHz-40GHz)	Schwarzbeck	BBHA9170	00822	May 21, 2024	May 20, 2025
Spectrum Analyzer9kHz-40GHz	R&S	FSP40	100363	May 16, 2024	May 15, 2025
Communication test set	R&S	CMW500	126173	May 16, 2024	May 15, 2025
Software	Frad	EZ-EMC	FA-03A2 RE	\	\

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: 1. *Decreasing linearly with logarithm of frequency. 2. 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

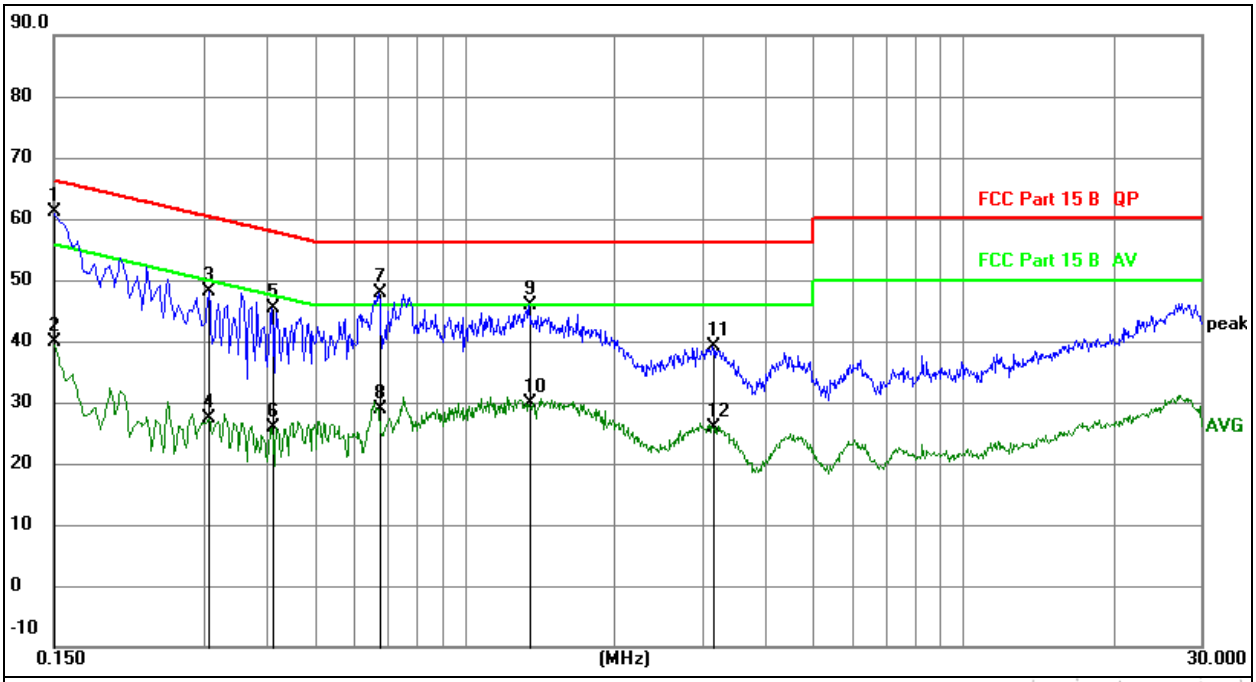
a. The Product was placed on a nonconductive table 0.8 m above the horizontal ground reference plane, and 0.4 m from the vertical ground reference plane, and connected to the main through Line Impedance Stability Network (L.I.S.N).
b. The RBW of the receiver was set at 9 kHz in 150 kHz ~ 30MHz with Peak 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.
c. 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

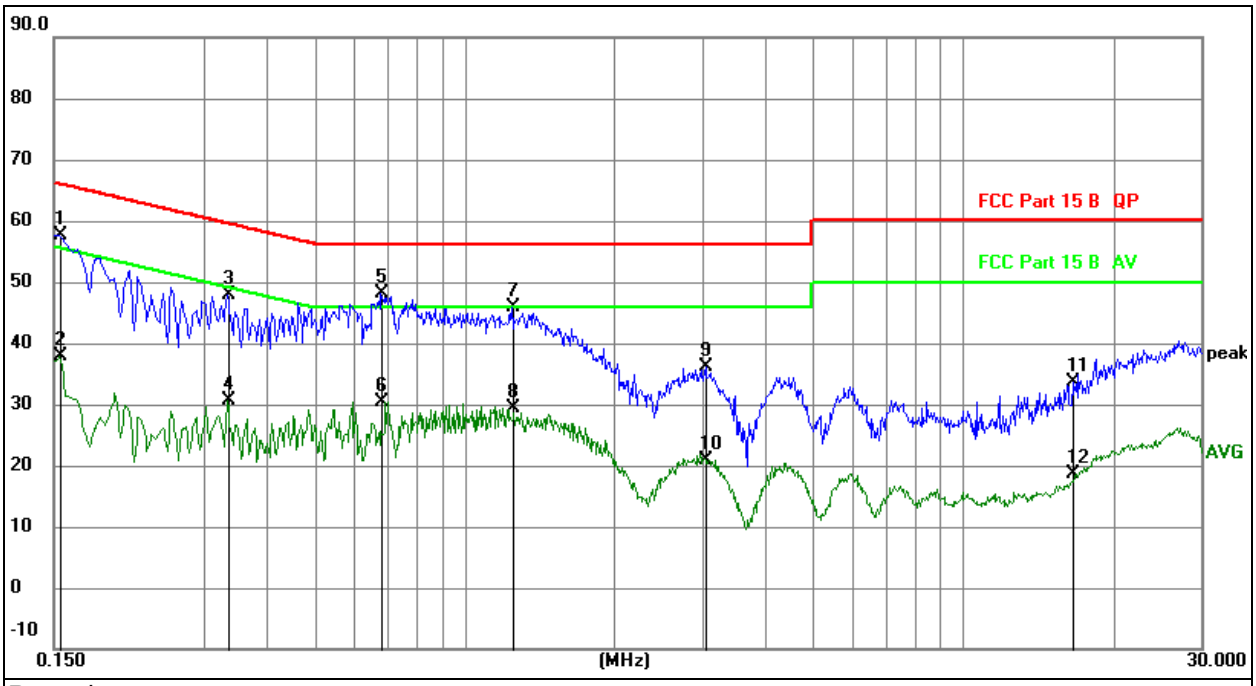
Temperature:	24.2 ℃	Relative Humidity:	51%
Pressure:	101KPa	Phase :	L
Test Mode:	Mode 4	Test Voltage :	AC120V/60Hz



Remark:
1. All readings are Quasi-Peak and Average values.
2. Factor = Insertion Loss + Cable Loss.
3. Measurement=Reading Level+ Correct Factor
4. Over= Measurement-Limit

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz		dB	dBuV	dBuV	dB	Detector
1	*	0.1500	40.98	20.07	61.05	66.00	-4.95	QP
2		0.1500	19.88	20.07	39.95	56.00	-16.05	AVG
3		0.3067	28.08	20.07	48.15	60.06	-11.91	QP
4		0.3067	7.34	20.07	27.41	50.06	-22.65	AVG
5		0.4105	25.19	20.08	45.27	57.64	-12.37	QP
6		0.4105	5.82	20.08	25.90	47.64	-21.74	AVG
7		0.6719	27.69	20.09	47.78	56.00	-8.22	QP
8		0.6719	8.84	20.09	28.93	46.00	-17.07	AVG
9		1.3450	25.80	20.09	45.89	56.00	-10.11	QP
10		1.3450	9.74	20.09	29.83	46.00	-16.17	AVG
11		3.1397	18.93	20.12	39.05	56.00	-16.95	QP
12		3.1397	5.88	20.12	26.00	46.00	-20.00	AVG

Temperature:	24.2 ℃	Relative Humidity:	51%
Pressure:	101KPa	Phase :	N
Test Mode:	Mode 4	Test Voltage :	AC120V/60Hz



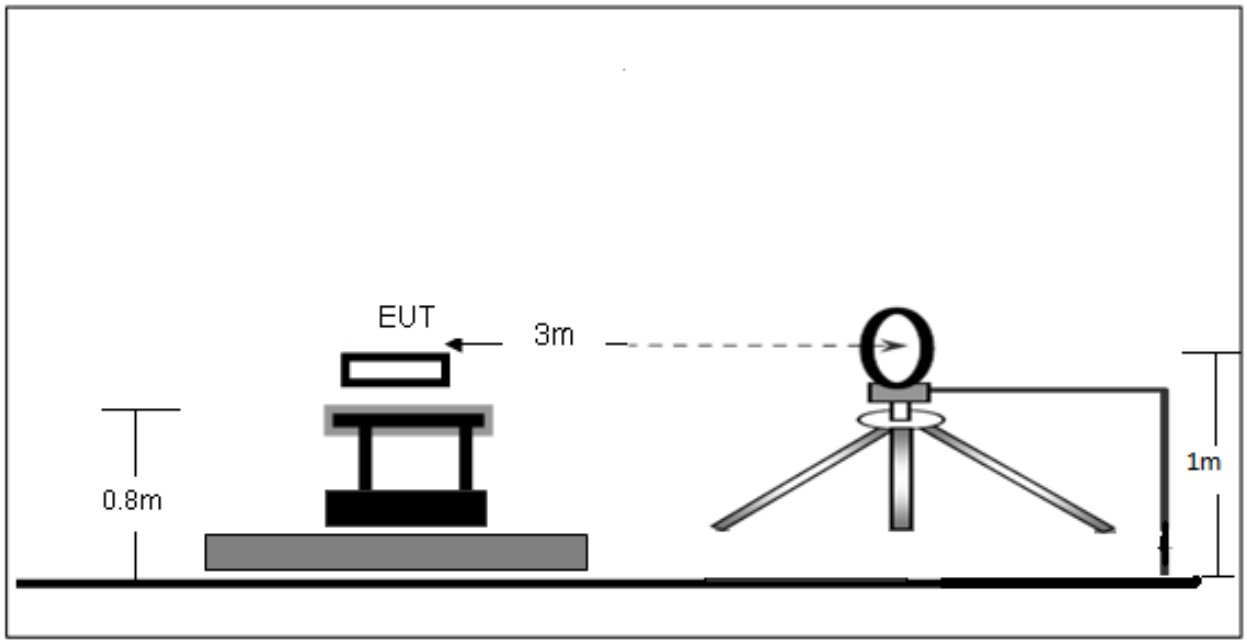
Remark:
1. All readings are Quasi-Peak and Average values.
2. Factor = Insertion Loss + Cable Loss.
3. Measurement=Reading Level+ Correct Factor
4. Over1 Measurement-Limit

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz		dB	dBuV	dBuV	dB	Detector
1		0.1545	37.57	20.07	57.64	65.75	-8.11	QP
2		0.1545	17.73	20.07	37.80	55.75	-17.95	AVG
3		0.3345	27.69	20.07	47.76	59.34	-11.58	QP
4		0.3345	10.67	20.07	30.74	49.34	-18.60	AVG
5	*	0.6809	28.01	20.09	48.10	56.00	-7.90	QP
6		0.6809	10.30	20.09	30.39	46.00	-15.61	AVG
7		1.2435	25.69	20.09	45.78	56.00	-10.22	QP
8		1.2435	9.20	20.09	29.29	46.00	-16.71	AVG
9		3.0570	16.02	20.12	36.14	56.00	-19.86	QP
10		3.0570	0.76	20.12	20.88	46.00	-25.12	AVG
11		16.6200	13.19	20.32	33.51	60.00	-26.49	QP
12		16.6200	-1.72	20.32	18.60	50.00	-31.40	AVG

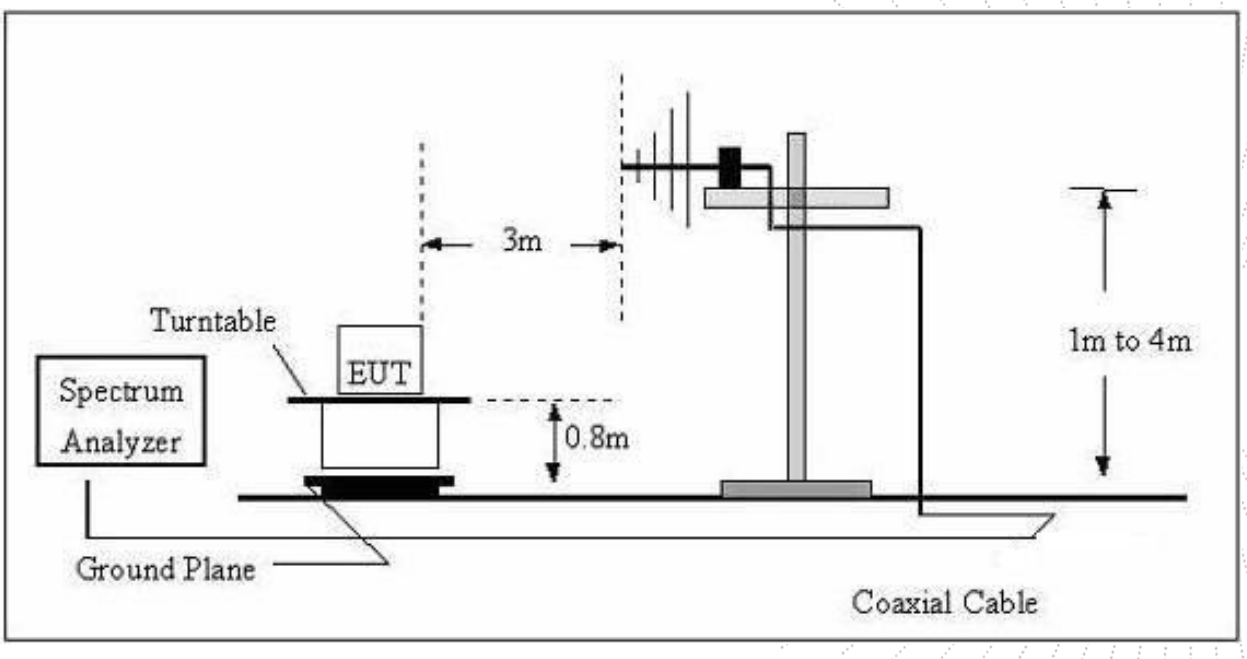
7. Radiated Emissions

7.1 Block Diagram Of Test Setup

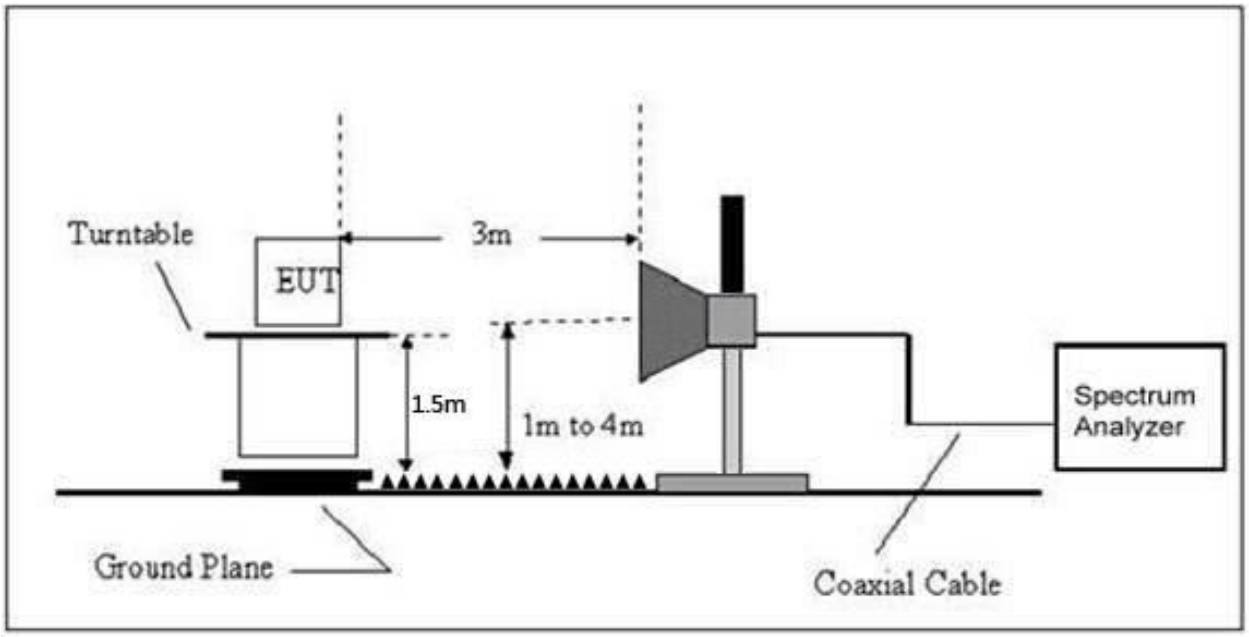
（A）Radiated Emission Test-Up Frequency Below 30MHz



（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	Field Strength	Distance	Field Strength Limit at 3m Distance	
(MHz)	uV/m	(m)	uV/m	dBuV/m
0.009 ~ 0.490	2400/F(kHz)	300	10000 * 2400/F(kHz)	$20\log^{(2400/F(kHz))}$ + 80
0.490 ~ 1.705	24000/F(kHz)	30	100 * 24000/F(kHz)	$20\log^{(24000/F(kHz))}$ + 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 C63.10-2013. The test distance is 3m. The setup is according to the requirements in Section 13.1.4.1 of ANSI C63.10-2013 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

a. 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.
b. 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.
c. 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.
d. 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.
e. 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.
f. 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*lg(100 [kHz]/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

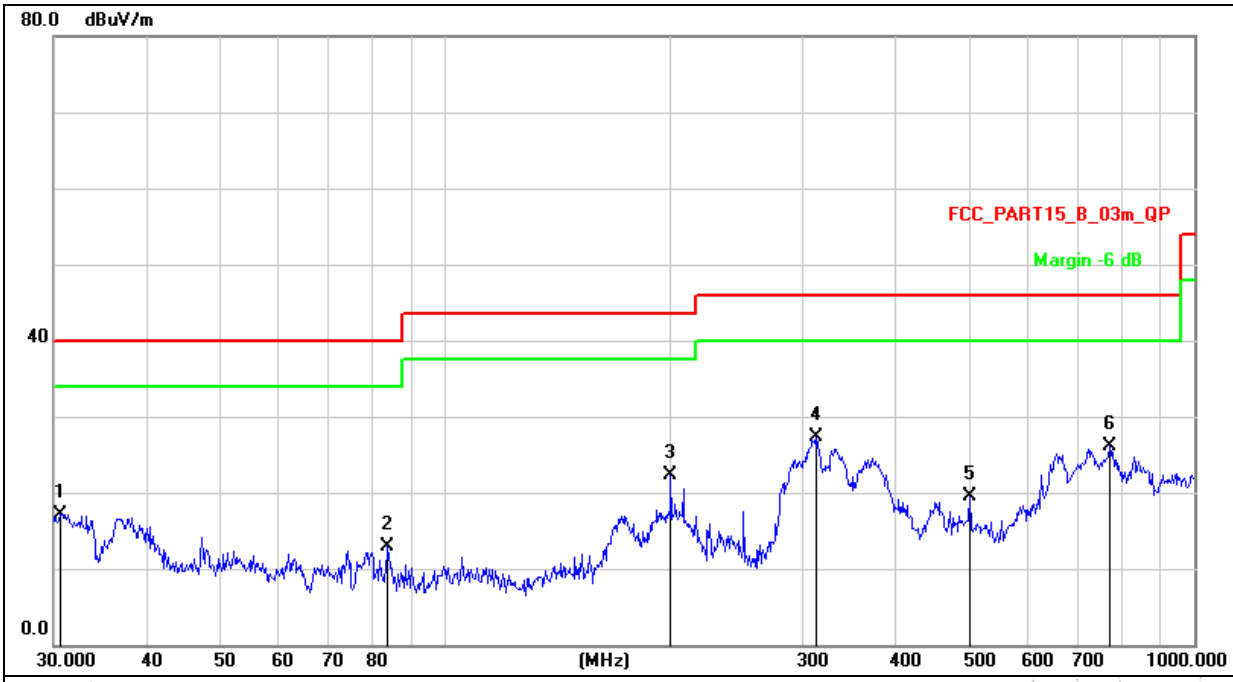
Temperature:	25.5 ℃	Relative Humidity:	53%
Pressure:	101KPa	Test Voltage:	AC120V/60Hz
Test Mode:	Mode 4	Polarization :	--

Freq.	Reading	Limit	Margin	State
(MHz)	(dBuV/m)	(dBuV/m)	(dB)	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 (specific distance/test distance)(dB);
Limit line = specific limits(dBuv) + distance extrapolation factor.

Between 30MHz – 1GHz

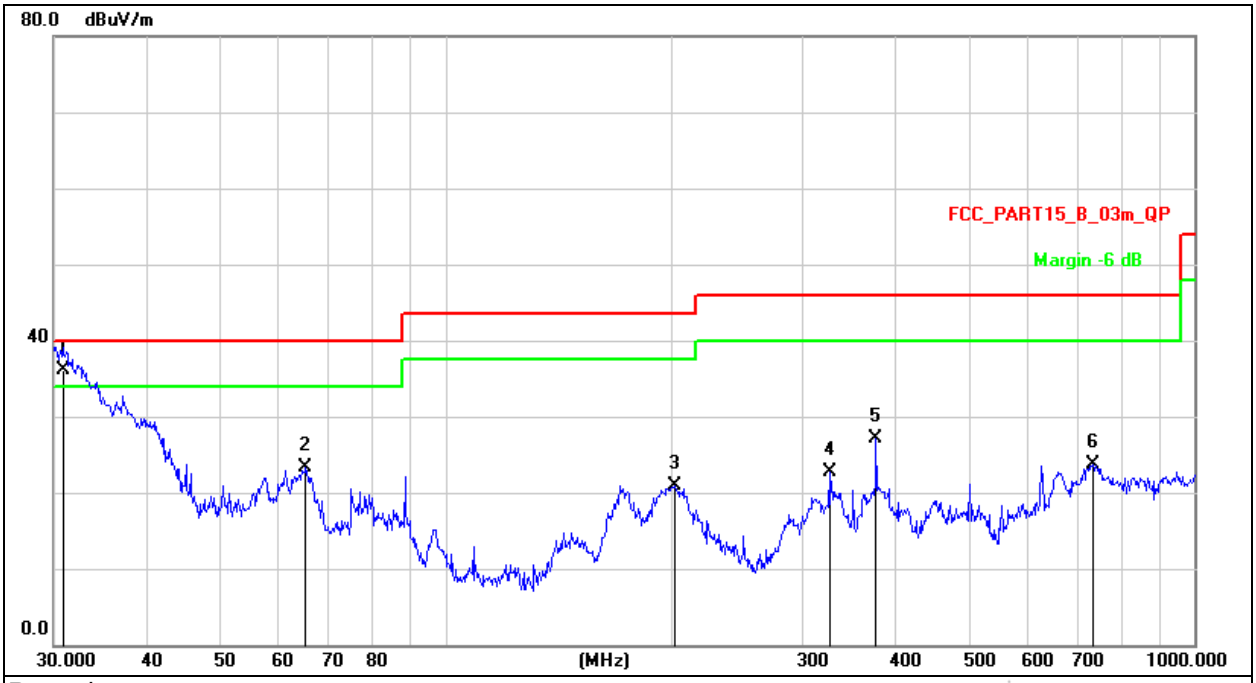
Temperature:	25.5 ℃	Relative Humidity:	53%
Pressure:	101KPa	Phase :	Horizontal
Test Mode:	Mode 4	Test Voltage :	AC120V/60Hz



Remark:
1.Factor = Antenna Factor + Cable Loss – Pre-amplifier.
2. Measurement=Reading Level+ Correct Factor
3. Over=Measurement-Limit

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1		30.6379	33.67	-16.53	17.14	40.00	-22.86	QP
2		83.8156	31.66	-18.85	12.81	40.00	-27.19	QP
3		199.9856	37.96	-15.72	22.24	43.50	-21.26	QP
4	*	313.2760	40.09	-12.77	27.32	46.00	-18.68	QP
5		501.1790	28.19	-8.65	19.54	46.00	-26.46	QP
6		771.4486	30.91	-4.74	26.17	46.00	-19.83	QP

Temperature:	25.5 ℃	Relative Humidity:	53%
Pressure:	101KPa	Phase :	Vertical
Test Mode:	Mode 4	Test Voltage :	AC120V/60Hz



Remark:
1.Factor = Antenna Factor + Cable Loss – Pre-amplifier.
2. Measurement=Reading Level+ Correct Factor
3. Over= Measurement-Limit

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1	*	30.8535	52.62	-16.49	36.13	40.00	-3.87	QP
2		65.1145	40.01	-16.66	23.35	40.00	-16.65	QP
3		202.8104	36.60	-15.64	20.96	43.50	-22.54	QP
4		325.5958	34.99	-12.34	22.65	46.00	-23.35	QP
5		375.9385	38.29	-11.15	27.14	46.00	-18.86	QP
6		731.9203	28.86	-5.25	23.61	46.00	-22.39	QP

Between 1GHz – 40GHz

Test Mode:	TX(5.1G) - 802.11a

Polar	Frequency	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	4434.017	73.76	-20.73	53.02	68.2	-15.18	PK
Vertical	4434.017	59.27	-20.73	38.53	54	-15.47	AV
Vertical	10360.157	64.84	-9.36	55.48	68.2	-12.72	PK
Vertical	10360.157	49.03	-9.36	39.67	54	-14.33	AV
Vertical	15540.181	64.01	-7.84	56.17	74	-17.83	PK
Vertical	15540.181	49.30	-7.84	41.46	54	-12.54	AV
Horizontal	4434.100	73.82	-20.73	53.09	68.2	-15.11	PK
Horizontal	4434.100	59.91	-20.73	39.18	54	-14.82	AV
Horizontal	10360.156	62.45	-9.36	53.09	68.2	-15.11	PK
Horizontal	10360.156	49.42	-9.36	40.06	54	-13.94	AV
Horizontal	15540.022	60.08	-7.84	52.24	74	-21.76	PK
Horizontal	15540.022	49.73	-7.84	41.89	54	-12.11	AV
Middle Channel (5200 MHz)-Above 1G							
Vertical	4592.052	73.23	-20.42	52.81	74	-21.19	PK
Vertical	4592.052	59.69	-20.42	39.28	54	-14.72	AV
Vertical	10400.104	63.49	-9.30	54.19	68.2	-14.01	PK
Vertical	10400.104	49.17	-9.30	39.87	54	-14.13	AV
Vertical	15600.162	60.00	-7.82	52.18	74	-21.82	PK
Vertical	15600.162	49.73	-7.82	41.91	54	-12.09	AV
Horizontal	4592.011	74.89	-20.42	54.48	74	-19.52	PK
Horizontal	4592.011	59.84	-20.42	39.42	54	-14.58	AV
Horizontal	10400.070	61.03	-9.30	51.73	68.2	-16.47	PK
Horizontal	10400.070	49.83	-9.30	40.53	54	-13.47	AV
Horizontal	15600.121	60.14	-7.82	52.32	74	-21.68	PK
Horizontal	15600.121	49.74	-7.82	41.92	54	-12.08	AV
High Channel (5240 MHz)-Above 1G							
Vertical	4739.027	72.11	-20.12	51.99	74	-22.01	PK
Vertical	4739.027	59.13	-20.12	39.00	54	-15.00	AV
Vertical	10480.150	63.99	-9.18	54.81	68.2	-13.39	PK
Vertical	10480.150	49.91	-9.18	40.73	54	-13.27	AV
Vertical	15720.025	60.84	-7.78	53.06	74	-20.94	PK
Vertical	15720.025	49.56	-7.78	41.78	54	-12.22	AV
Horizontal	4739.162	74.25	-20.12	54.13	74	-19.87	PK
Horizontal	4739.162	59.72	-20.12	39.60	54	-14.40	AV
Horizontal	10480.087	60.30	-9.18	51.12	68.2	-17.08	PK
Horizontal	10480.087	49.86	-9.18	40.68	54	-13.32	AV
Horizontal	15720.135	63.34	-7.78	55.56	74	-18.44	PK
Horizontal	15720.135	49.00	-7.78	41.22	54	-12.78	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).
Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

Test Mode:	TX(5.1G) - 802.11n-HT20

Polar	Frequency	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	4434.185	71.39	-20.73	50.66	68.2	-17.54	PK
Vertical	4434.185	59.50	-20.73	38.77	54	-15.23	AV
Vertical	10360.095	60.20	-9.36	50.84	68.2	-17.36	PK
Vertical	10360.095	49.81	-9.36	40.45	54	-13.55	AV
Vertical	15540.002	64.59	-7.84	56.75	74	-17.25	PK
Vertical	15540.002	49.05	-7.84	41.21	54	-12.79	AV
Horizontal	4434.026	72.25	-20.73	51.52	68.2	-16.68	PK
Horizontal	4434.026	59.80	-20.73	39.07	54	-14.93	AV
Horizontal	10360.136	63.13	-9.36	53.77	68.2	-14.43	PK
Horizontal	10360.136	49.77	-9.36	40.41	54	-13.59	AV
Horizontal	15540.181	64.42	-7.84	56.58	74	-17.42	PK
Horizontal	15540.181	49.92	-7.84	42.08	54	-11.92	AV
Middle Channel (5200 MHz)-Above 1G							
Vertical	4592.125	70.67	-20.42	50.25	74	-23.75	PK
Vertical	4592.125	59.45	-20.42	39.03	54	-14.97	AV
Vertical	10400.007	62.80	-9.30	53.50	68.2	-14.70	PK
Vertical	10400.007	49.70	-9.30	40.40	54	-13.60	AV
Vertical	15600.027	62.56	-7.82	54.74	74	-19.26	PK
Vertical	15600.027	49.83	-7.82	42.01	54	-11.99	AV
Horizontal	4592.131	74.82	-20.42	54.40	74	-19.60	PK
Horizontal	4592.131	59.89	-20.42	39.47	54	-14.53	AV
Horizontal	10400.174	62.24	-9.30	52.94	68.2	-15.26	PK
Horizontal	10400.174	49.03	-9.30	39.73	54	-14.27	AV
Horizontal	15600.179	64.46	-7.82	56.64	74	-17.36	PK
Horizontal	15600.179	49.89	-7.82	42.07	54	-11.93	AV
High Channel (5240 MHz)-Above 1G							
Vertical	4739.152	71.97	-20.12	51.85	74	-22.15	PK
Vertical	4739.152	59.03	-20.12	38.91	54	-15.09	AV
Vertical	10480.147	62.53	-9.18	53.35	68.2	-14.85	PK
Vertical	10480.147	49.70	-9.18	40.52	54	-13.48	AV
Vertical	15720.032	60.53	-7.78	52.75	74	-21.25	PK
Vertical	15720.032	49.87	-7.78	42.09	54	-11.91	AV
Horizontal	4739.191	71.39	-20.12	51.27	74	-22.73	PK
Horizontal	4739.191	59.71	-20.12	39.58	54	-14.42	AV
Horizontal	10480.084	61.97	-9.18	52.79	68.2	-15.41	PK
Horizontal	10480.084	49.04	-9.18	39.86	54	-14.14	AV
Horizontal	15720.166	60.14	-7.78	52.36	74	-21.64	PK
Horizontal	15720.166	49.96	-7.78	42.18	54	-11.82	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).
Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

Test Mode:	TX(5.1G) - 802.11n-HT40

Polar	Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Over	Detector Type
(H/V)	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low Channel (5190 MHz)-Above 1G							
Vertical	4434.041	70.54	-20.73	49.80	68.2	-18.40	PK
Vertical	4434.041	59.05	-20.73	38.32	54	-15.68	AV
Vertical	10380.084	62.55	-9.33	53.22	68.2	-14.98	PK
Vertical	10380.084	49.45	-9.33	40.12	54	-13.88	AV
Vertical	15570.078	63.54	-7.83	55.71	74	-18.29	PK
Vertical	15570.078	49.62	-7.83	41.79	54	-12.21	AV
Horizontal	4434.184	73.45	-20.73	52.72	74	-21.28	PK
Horizontal	4434.184	59.17	-20.73	38.44	54	-15.56	AV
Horizontal	10380.010	60.89	-9.33	51.56	68.2	-16.64	PK
Horizontal	10380.010	49.47	-9.33	40.14	54	-13.86	AV
Horizontal	15570.038	64.27	-7.83	56.44	74	-17.56	PK
Horizontal	15570.038	49.44	-7.83	41.61	54	-12.39	AV
Middle Channel (5230 MHz)-Above 1G							
Vertical	4739.020	74.25	-20.12	54.13	68.2	-14.07	PK
Vertical	4739.020	59.92	-20.12	39.80	54	-14.20	AV
Vertical	10460.122	60.03	-9.21	50.82	68.2	-17.38	PK
Vertical	10460.122	49.82	-9.21	40.61	54	-13.39	AV
Vertical	15690.009	61.82	-7.79	54.03	74	-19.97	PK
Vertical	15690.009	49.14	-7.79	41.35	54	-12.65	AV
Horizontal	4739.125	72.75	-20.12	52.62	68.2	-15.58	PK
Horizontal	4739.125	59.69	-20.12	39.57	54	-14.43	AV
Horizontal	10460.129	63.34	-9.21	54.13	68.2	-14.07	PK
Horizontal	10460.129	49.80	-9.21	40.59	54	-13.41	AV
Horizontal	15690.134	60.54	-7.79	52.75	74	-21.25	PK
Horizontal	15690.134	49.74	-7.79	41.95	54	-12.05	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).
Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

Test Mode:	TX(5.1G) - 802.11ac-HT20

Polar	Frequency	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	4434.095	72.81	-20.73	52.07	68.2	-16.13	PK
Vertical	4434.095	59.10	-20.73	38.37	54	-15.63	AV
Vertical	10360.161	60.98	-9.36	51.62	68.2	-16.58	PK
Vertical	10360.161	49.56	-9.36	40.20	54	-13.80	AV
Vertical	15540.060	62.83	-7.84	54.99	74	-19.01	PK
Vertical	15540.060	49.07	-7.84	41.23	54	-12.77	AV
Horizontal	4434.051	71.17	-20.73	50.43	68.2	-17.77	PK
Horizontal	4434.051	59.54	-20.73	38.81	54	-15.19	AV
Horizontal	10360.114	64.74	-9.36	55.38	68.2	-12.82	PK
Horizontal	10360.114	49.80	-9.36	40.44	54	-13.56	AV
Horizontal	15540.158	61.66	-7.84	53.82	74	-20.18	PK
Horizontal	15540.158	49.91	-7.84	42.07	54	-11.93	AV
Middle Channel (5200 MHz)-Above 1G							
Vertical	4592.199	70.68	-20.42	50.27	74	-23.73	PK
Vertical	4592.199	59.76	-20.42	39.34	54	-14.66	AV
Vertical	10400.179	62.86	-9.30	53.56	68.2	-14.64	PK
Vertical	10400.179	49.34	-9.30	40.04	54	-13.96	AV
Vertical	15600.039	62.34	-7.82	54.52	74	-19.48	PK
Vertical	15600.039	49.39	-7.82	41.57	54	-12.43	AV
Horizontal	4592.080	71.20	-20.42	50.79	74	-23.21	PK
Horizontal	4592.080	59.61	-20.42	39.19	54	-14.81	AV
Horizontal	10400.199	63.20	-9.30	53.90	68.2	-14.30	PK
Horizontal	10400.199	49.25	-9.30	39.95	54	-14.05	AV
Horizontal	15600.036	62.24	-7.82	54.42	74	-19.58	PK
Horizontal	15600.036	49.71	-7.82	41.89	54	-12.11	AV
High Channel (5240 MHz)-Above 1G							
Vertical	4739.140	70.48	-20.12	50.36	74	-23.64	PK
Vertical	4739.140	59.47	-20.12	39.35	54	-14.65	AV
Vertical	10480.176	63.45	-9.18	54.27	68.2	-13.93	PK
Vertical	10480.176	49.38	-9.18	40.20	54	-13.80	AV
Vertical	15720.158	64.04	-7.78	56.26	74	-17.74	PK
Vertical	15720.158	49.56	-7.78	41.78	54	-12.22	AV
Horizontal	4739.095	74.90	-20.12	54.78	74	-19.22	PK
Horizontal	4739.095	59.06	-20.12	38.94	54	-15.06	AV
Horizontal	10480.182	63.64	-9.18	54.46	68.2	-13.74	PK
Horizontal	10480.182	49.59	-9.18	40.41	54	-13.59	AV
Horizontal	15720.074	62.29	-7.78	54.51	74	-19.49	PK
Horizontal	15720.074	49.28	-7.78	41.50	54	-12.50	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).
Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

Test Mode:	TX(5.1G) - 802.11ac-HT40

Polar	Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Over	Detector Type
(H/V)	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low Channel (5190 MHz)-Above 1G							
Vertical	4434.161	74.00	-20.73	53.27	68.2	-14.93	PK
Vertical	4434.161	59.36	-20.73	38.63	54	-15.37	AV
Vertical	10380.042	60.26	-9.33	50.93	68.2	-17.27	PK
Vertical	10380.042	49.89	-9.33	40.56	54	-13.44	AV
Vertical	15570.107	63.51	-7.83	55.68	74	-18.32	PK
Vertical	15570.107	49.25	-7.83	41.42	54	-12.58	AV
Horizontal	4434.040	73.97	-20.73	53.24	74	-20.76	PK
Horizontal	4434.040	59.43	-20.73	38.70	54	-15.30	AV
Horizontal	10380.189	61.85	-9.33	52.52	68.2	-15.68	PK
Horizontal	10380.189	49.14	-9.33	39.81	54	-14.19	AV
Horizontal	15570.013	60.96	-7.83	53.13	74	-20.87	PK
Horizontal	15570.013	49.66	-7.83	41.83	54	-12.17	AV
Middle Channel (5230 MHz)-Above 1G							
Vertical	4739.013	72.82	-20.12	52.70	68.2	-15.50	PK
Vertical	4739.013	59.69	-20.12	39.56	54	-14.44	AV
Vertical	10460.103	61.38	-9.21	52.17	68.2	-16.03	PK
Vertical	10460.103	49.22	-9.21	40.01	54	-13.99	AV
Vertical	15690.139	60.26	-7.79	52.47	74	-21.53	PK
Vertical	15690.139	49.94	-7.79	42.15	54	-11.85	AV
Horizontal	4739.189	70.60	-20.12	50.48	68.2	-17.72	PK
Horizontal	4739.189	59.02	-20.12	38.90	54	-15.10	AV
Horizontal	10460.156	62.67	-9.21	53.46	68.2	-14.74	PK
Horizontal	10460.156	49.29	-9.21	40.08	54	-13.92	AV
Horizontal	15690.144	63.97	-7.79	56.18	74	-17.82	PK
Horizontal	15690.144	49.25	-7.79	41.46	54	-12.54	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).
Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

Test Mode:	TX(5.1G) - 802.11ac 80

Polar	Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Over	Detector Type
(H/V)	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low Channel (5210 MHz)-Above 1G							
Vertical	4434.164	74.57	-20.73	53.84	68.2	-14.36	PK
Vertical	4434.164	59.86	-20.73	39.12	54	-14.88	AV
Vertical	10420.164	63.05	-9.27	53.78	68.2	-14.42	PK
Vertical	10420.164	49.15	-9.27	39.88	54	-14.12	AV
Vertical	15630.049	63.88	-7.81	56.07	74	-17.93	PK
Vertical	15630.049	49.21	-7.81	41.40	54	-12.60	AV
Horizontal	4434.116	71.03	-20.73	50.29	68.2	-17.91	PK
Horizontal	4434.116	59.17	-20.73	38.44	54	-15.56	AV
Horizontal	10420.156	41.22	9.27	50.49	68.2	-17.71	PK
Horizontal	10420.156	29.06	9.27	38.33	54	-15.67	AV
Horizontal	15630.173	61.07	-7.81	53.26	74	-20.74	PK
Horizontal	15630.173	49.16	-7.81	41.35	54	-12.65	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).
Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

Test Mode:	TX (5.8G) -- 802.11a

Polar	Frequency	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	4679.155	72.61	-20.24	52.36	74	-21.64	PK
Vertical	4679.155	59.15	-20.24	38.91	54	-15.09	AV
Vertical	11490.088	62.70	-8.79	53.91	68.2	-14.29	PK
Vertical	11490.088	49.04	-8.79	40.25	54	-13.75	AV
Vertical	17235.080	60.00	-3.18	56.82	68.2	-11.38	PK
Vertical	17235.080	44.91	-3.18	41.73	54	-12.27	AV
Horizontal	4679.171	71.73	-20.73	51.00	74	-23.00	PK
Horizontal	4679.171	59.87	-20.73	39.14	54	-14.86	AV
Horizontal	11490.159	61.91	-8.79	53.12	68.2	-15.08	PK
Horizontal	11490.159	49.84	-8.79	41.05	54	-12.95	AV
Horizontal	17235.006	55.21	-3.18	52.03	68.2	-16.17	PK
Horizontal	17235.006	44.65	-3.18	41.47	54	-12.53	AV
Middle Channel (5785 MHz)-Above 1G							
Vertical	4592.065	71.29	-20.42	50.87	74	-23.13	PK
Vertical	4592.065	59.86	-20.42	39.45	54	-14.55	AV
Vertical	11570.121	64.49	-8.86	55.63	68.2	-12.57	PK
Vertical	11570.121	49.22	-8.86	40.36	54	-13.64	AV
Vertical	17355.054	59.41	-2.52	56.89	68.2	-11.31	PK
Vertical	17355.054	44.51	-2.52	41.99	54	-12.01	AV
Horizontal	4592.108	73.59	-20.42	53.17	74	-20.83	PK
Horizontal	4592.108	59.56	-20.42	39.14	54	-14.86	AV
Horizontal	11570.171	60.01	-8.86	51.15	68.2	-17.05	PK
Horizontal	11570.171	49.23	-8.86	40.37	54	-13.63	AV
Horizontal	17355.097	58.73	-2.52	56.21	68.2	-11.99	PK
Horizontal	17355.097	44.67	-2.52	42.15	54	-11.85	AV
High Channel (5825 MHz)-Above 1G							
Vertical	6039.148	71.65	-18.93	52.72	68.2	-15.48	PK
Vertical	6039.148	59.48	-18.93	40.55	54	-13.45	AV
Vertical	11650.026	60.26	-8.92	51.34	74	-22.66	PK
Vertical	11650.026	49.93	-8.92	41.01	54	-12.99	AV
Vertical	17475.118	59.09	-1.86	57.23	68.2	-10.97	PK
Vertical	17475.118	44.95	-1.86	43.09	54	-10.91	AV
Horizontal	6039.021	70.61	-18.93	51.67	68.2	-16.53	PK
Horizontal	6039.021	59.92	-18.93	40.98	54	-13.02	AV
Horizontal	11650.047	60.20	-8.92	51.28	74	-22.72	PK
Horizontal	11650.047	49.80	-8.92	40.88	54	-13.12	AV
Horizontal	17475.056	59.34	-1.86	57.48	68.2	-10.72	PK
Horizontal	17475.056	44.36	-1.86	42.50	54	-11.50	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).
Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

Test Mode:	TX (5.8G) --802.11n-HT20

Polar	Frequency	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	4679.122	70.79	-20.24	50.55	74	-23.45	PK
Vertical	4679.122	59.12	-20.24	38.88	54	-15.12	AV
Vertical	11490.186	63.41	-8.79	54.62	68.2	-13.58	PK
Vertical	11490.186	49.15	-8.79	40.36	54	-13.64	AV
Vertical	17235.165	59.34	-3.18	56.16	68.2	-12.04	PK
Vertical	17235.165	44.34	-3.18	41.16	54	-12.84	AV
Horizontal	4679.050	72.80	-20.24	52.56	74	-21.44	PK
Horizontal	4679.050	59.67	-20.24	39.43	54	-14.57	AV
Horizontal	11490.068	60.32	-8.79	51.53	68.2	-16.67	PK
Horizontal	11490.068	49.14	-8.79	40.35	54	-13.65	AV
Horizontal	17235.086	57.62	-3.18	54.44	68.2	-13.76	PK
Horizontal	17235.086	44.65	-3.18	41.47	54	-12.53	AV
Middle Channel (5785 MHz)-Above 1G							
Vertical	4592.009	72.94	-20.42	52.53	74	-21.47	PK
Vertical	4592.009	59.12	-20.42	38.71	54	-15.29	AV
Vertical	11570.071	64.08	-8.86	55.22	68.2	-12.98	PK
Vertical	11570.071	49.49	-8.86	40.63	54	-13.37	AV
Vertical	17355.154	59.52	-2.52	57.00	68.2	-11.20	PK
Vertical	17355.154	44.46	-2.52	41.94	54	-12.06	AV
Horizontal	4592.173	71.13	-20.42	50.71	74	-23.29	PK
Horizontal	4592.173	59.48	-20.42	39.07	54	-14.93	AV
Horizontal	11570.138	63.75	-8.86	54.89	68.2	-13.31	PK
Horizontal	11570.138	49.55	-8.86	40.69	54	-13.31	AV
Horizontal	17355.046	57.51	-2.52	54.99	68.2	-13.21	PK
Horizontal	17355.046	44.12	-2.52	41.60	54	-12.40	AV
High Channel (5825 MHz)-Above 1G							
Vertical	6039.151	74.50	-18.93	55.57	68.2	-12.63	PK
Vertical	6039.151	59.40	-18.93	40.47	54	-13.53	AV
Vertical	11650.068	63.39	-8.92	54.47	74	-19.53	PK
Vertical	11650.068	49.92	-8.92	41.00	54	-13.00	AV
Vertical	17475.029	58.41	-1.86	56.55	68.2	-11.65	PK
Vertical	17475.029	44.68	-1.86	42.82	54	-11.18	AV
Horizontal	6039.195	70.49	-18.93	51.56	68.2	-16.64	PK
Horizontal	6039.195	59.35	-18.93	40.42	54	-13.58	AV
Horizontal	11650.040	63.20	-8.92	54.28	74	-19.72	PK
Horizontal	11650.040	49.77	-8.92	40.85	54	-13.15	AV
Horizontal	17475.108	59.16	-1.86	57.30	68.2	-10.90	PK
Horizontal	17475.108	44.02	-1.86	42.16	54	-11.84	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).
Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

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

Polar	Frequency	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	4679.115	70.36	-20.24	50.12	74	-23.88	PK
Vertical	4679.115	59.98	-20.24	39.74	54	-14.26	AV
Vertical	11510.067	62.34	-8.81	53.53	74	-20.47	PK
Vertical	11510.067	49.39	-8.81	40.58	54	-13.42	AV
Vertical	17265.029	56.26	-3.01	53.25	68.2	-14.95	PK
Vertical	17265.029	44.56	-3.01	41.55	54	-12.45	AV
Horizontal	4679.174	71.86	-20.24	51.62	74	-22.38	PK
Horizontal	4679.174	59.16	-20.24	38.91	54	-15.09	AV
Horizontal	11510.076	63.08	-8.81	54.27	74	-19.73	PK
Horizontal	11510.076	49.73	-8.81	40.92	54	-13.08	AV
Horizontal	17265.051	55.45	-3.01	52.44	68.2	-15.76	PK
Horizontal	17265.051	44.89	-3.01	41.88	54	-12.12	AV
Middle Channel (5795 MHz)-Above 1G							
Vertical	6039.132	70.46	-18.93	51.52	68.2	-16.68	PK
Vertical	6039.132	59.98	-18.93	41.05	54	-12.95	AV
Vertical	11590.148	60.00	-8.87	51.13	74	-22.87	PK
Vertical	11590.148	49.76	-8.87	40.89	54	-13.11	AV
Vertical	17385.054	56.59	-2.35	54.24	68.2	-13.96	PK
Vertical	17385.054	44.18	-2.35	41.83	54	-12.17	AV
Horizontal	6039.067	72.11	-18.93	53.17	68.2	-15.03	PK
Horizontal	6039.067	59.86	-18.93	40.93	54	-13.07	AV
Horizontal	11590.176	64.50	-8.87	55.63	74	-18.37	PK
Horizontal	11590.176	49.83	-8.87	40.96	54	-13.04	AV
Horizontal	17385.184	57.73	-2.35	55.38	68.2	-12.82	PK
Horizontal	17385.184	44.80	-2.35	42.45	54	-11.55	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).
Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

Test Mode:	TX (5.8G) --802.11ac-HT20

Polar	Frequency	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	4679.172	70.02	-20.24	49.78	74	-24.22	PK
Vertical	4679.172	59.16	-20.24	38.92	54	-15.08	AV
Vertical	11490.025	62.85	-8.79	54.06	68.2	-14.14	PK
Vertical	11490.025	49.84	-8.79	41.05	54	-12.95	AV
Vertical	17235.153	58.79	-3.18	55.61	68.2	-12.59	PK
Vertical	17235.153	44.33	-3.18	41.15	54	-12.85	AV
Horizontal	4679.042	73.75	-20.24	53.51	74	-20.49	PK
Horizontal	4679.042	59.93	-20.24	39.69	54	-14.31	AV
Horizontal	11490.065	60.66	-8.79	51.87	68.2	-16.33	PK
Horizontal	11490.065	49.97	-8.79	41.18	54	-12.82	AV
Horizontal	17235.015	59.00	-3.18	55.82	68.2	-12.38	PK
Horizontal	17235.015	44.12	-3.18	40.94	54	-13.06	AV
Middle Channel (5785 MHz)-Above 1G							
Vertical	4592.003	70.68	-20.42	50.26	74	-23.74	PK
Vertical	4592.003	59.99	-20.42	39.58	54	-14.42	AV
Vertical	11570.124	60.93	-8.86	52.07	68.2	-16.13	PK
Vertical	11570.124	49.20	-8.86	40.34	54	-13.66	AV
Vertical	17355.122	55.24	-2.52	52.72	68.2	-15.48	PK
Vertical	17355.122	44.08	-2.52	41.56	54	-12.44	AV
Horizontal	4592.109	72.45	-20.42	52.04	74	-21.96	PK
Horizontal	4592.109	59.57	-20.42	39.15	54	-14.85	AV
Horizontal	11570.035	63.66	-8.86	54.80	68.2	-13.40	PK
Horizontal	11570.035	49.07	-8.86	40.21	54	-13.79	AV
Horizontal	17355.067	55.59	-2.52	53.07	68.2	-15.13	PK
Horizontal	17355.067	44.92	-2.52	42.40	54	-11.60	AV
High Channel (5825 MHz)-Above 1G							
Vertical	6039.098	73.65	-18.93	54.71	68.2	-13.49	PK
Vertical	6039.098	59.49	-18.93	40.56	54	-13.44	AV
Vertical	11650.159	62.00	-8.92	53.08	74	-20.92	PK
Vertical	11650.159	49.00	-8.92	40.08	54	-13.92	AV
Vertical	17475.183	58.74	-1.86	56.88	68.2	-11.32	PK
Vertical	17475.183	44.87	-1.86	43.01	54	-10.99	AV
Horizontal	6039.160	72.34	-18.93	53.41	68.2	-14.79	PK
Horizontal	6039.160	59.41	-18.93	40.48	54	-13.52	AV
Horizontal	11650.058	63.83	-8.92	54.91	74	-19.09	PK
Horizontal	11650.058	49.13	-8.92	40.21	54	-13.79	AV
Horizontal	17475.106	58.33	-1.86	56.47	68.2	-11.73	PK
Horizontal	17475.106	44.73	-1.86	42.87	54	-11.13	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).
Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

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

Polar	Frequency	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	4679.055	73.51	-20.24	53.26	74	-20.74	PK
Vertical	4679.055	59.96	-20.24	39.72	54	-14.28	AV
Vertical	11510.045	64.96	-8.81	56.15	74	-17.85	PK
Vertical	11510.045	49.23	-8.81	40.42	54	-13.58	AV
Vertical	17265.100	56.16	-3.01	53.15	68.2	-15.05	PK
Vertical	17265.100	44.61	-3.01	41.60	54	-12.40	AV
Horizontal	4679.044	70.58	-20.24	50.34	74	-23.66	PK
Horizontal	4679.044	59.83	-20.24	39.59	54	-14.41	AV
Horizontal	11510.135	62.09	-8.81	53.28	74	-20.72	PK
Horizontal	11510.135	49.91	-8.81	41.10	54	-12.90	AV
Horizontal	17265.058	56.48	-3.01	53.47	68.2	-14.73	PK
Horizontal	17265.058	44.24	-3.01	41.23	54	-12.77	AV
Middle Channel (5795 MHz)-Above 1G							
Vertical	6039.091	70.61	-18.93	51.68	68.2	-16.52	PK
Vertical	6039.091	59.42	-18.93	40.49	54	-13.51	AV
Vertical	11590.002	63.59	-8.87	54.72	74	-19.28	PK
Vertical	11590.002	49.03	-8.87	40.16	54	-13.84	AV
Vertical	17385.052	57.89	-2.35	55.54	68.2	-12.66	PK
Vertical	17385.052	44.44	-2.35	42.09	54	-11.91	AV
Horizontal	6039.038	71.67	-18.93	52.74	68.2	-15.46	PK
Horizontal	6039.038	59.13	-18.93	40.20	54	-13.80	AV
Horizontal	11590.076	62.20	-8.87	53.33	74	-20.67	PK
Horizontal	11590.076	49.55	-8.87	40.68	54	-13.32	AV
Horizontal	17385.181	57.76	-2.35	55.41	68.2	-12.79	PK
Horizontal	17385.181	44.90	-2.35	42.55	54	-11.45	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).
Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

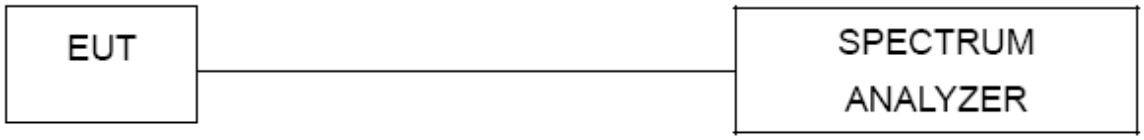
Test Mode :	TX (5.8G) -- 802.11ac 80

Polar	Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Over	Detector Type
(H/V)	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low Channel (5775 MHz)-Above 1G							
Vertical	4679.192	70.51	-20.24	50.27	74	-23.73	PK
Vertical	4679.192	59.13	-20.24	38.89	54	-15.11	AV
Vertical	11550.146	62.04	-8.84	53.20	74	-20.80	PK
Vertical	11550.146	49.36	-8.84	40.52	54	-13.48	AV
Vertical	17325.095	55.13	-2.68	52.45	68.2	-15.75	PK
Vertical	17325.095	44.64	-2.68	41.96	54	-12.04	AV
Horizontal	4679.126	74.52	-20.24	54.28	74	-19.72	PK
Horizontal	4679.126	59.13	-20.24	38.88	54	-15.12	AV
Horizontal	11550.032	63.63	-8.84	54.79	74	-19.21	PK
Horizontal	11550.032	49.96	-8.84	41.12	54	-12.88	AV
Horizontal	17325.183	57.17	-2.68	54.49	68.2	-13.71	PK
Horizontal	17325.183	44.13	-2.68	41.45	54	-12.55	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).
Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

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 band 5.725-5.85 GHz

(3)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 ≥ 1/T, where T is defined in section II.B.I.a).
b) Set VBW ≥ 3 RBW.
c) If measurement bandwidth of Maximum PSD is specified in 500 kHz, add 10log(500kHz/RBW) to the measured result, whereas RBW (< 500 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 10log(1MHz/RBW) to the measured result, whereas RBW (< 1 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 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 ℃	Relative Humidity:	54%
Pressure:	101kPa	Test Voltage:	DC 3.87V
Test Mode:	(5180-5240MHz); (5745-5825MHz)		

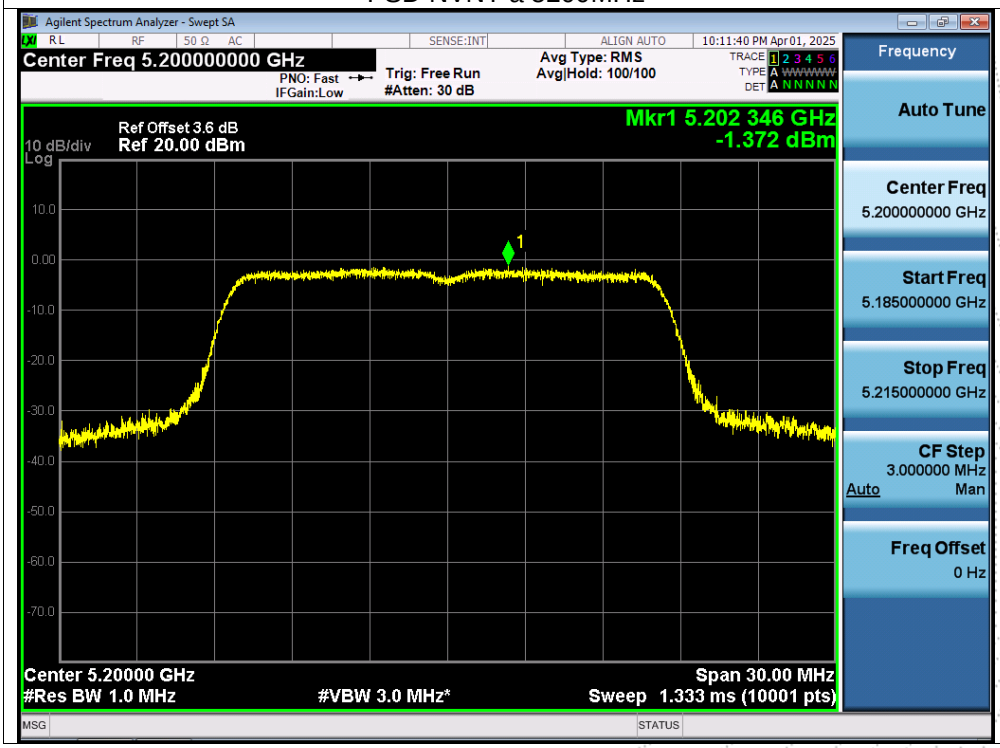
Condition	Mode	Frequency (MHz)	Conducted PSD (dBm/1MHz)	Limit (dBm/1MHz)	Verdict
NVNT	a	5180	-1.69	11	Pass
NVNT	a	5200	-1.37	11	Pass
NVNT	a	5240	-1.53	11	Pass
NVNT	n20	5180	-2.73	11	Pass
NVNT	n20	5200	-2.38	11	Pass
NVNT	n20	5240	-2.35	11	Pass
NVNT	n40	5190	-7.4	11	Pass
NVNT	n40	5230	-6.48	11	Pass
NVNT	ac20	5180	-3.45	11	Pass
NVNT	ac20	5200	-4.02	11	Pass
NVNT	ac20	5240	-2.09	11	Pass
NVNT	ac40	5190	-8.03	11	Pass
NVNT	ac40	5230	-6.93	11	Pass
NVNT	ac80	5210	-12.16	11	Pass

Condition	Mode	Frequency (MHz)	Conducted PSD (dBm/510KHz)	Conducted PSD (dBm/500KHz)	Limit (dBm/500KHz)	Verdict
NVNT	a	5745	-5.28	-5.366	30	Pass
NVNT	a	5785	-4.94	-5.026	30	Pass
NVNT	a	5825	-5.13	-5.216	30	Pass
NVNT	n20	5745	-6.29	-6.376	30	Pass
NVNT	n20	5785	-6.28	-6.366	30	Pass
NVNT	n20	5825	-6.4	-6.486	30	Pass
NVNT	n40	5755	-10.31	-10.396	30	Pass
NVNT	n40	5795	-10.26	-10.346	30	Pass
NVNT	ac20	5745	-6.04	-6.126	30	Pass
NVNT	ac20	5785	-6.33	-6.416	30	Pass
NVNT	ac20	5825	-6.23	-6.316	30	Pass
NVNT	ac40	5755	-10	-10.086	30	Pass
NVNT	ac40	5795	-10.35	-10.436	30	Pass
NVNT	ac80	5775	-15.66	-15.746	30	Pass
Note: Correction Factor = 10log(500KHz/RBW in measurement) =-0.086						

Test Graphs

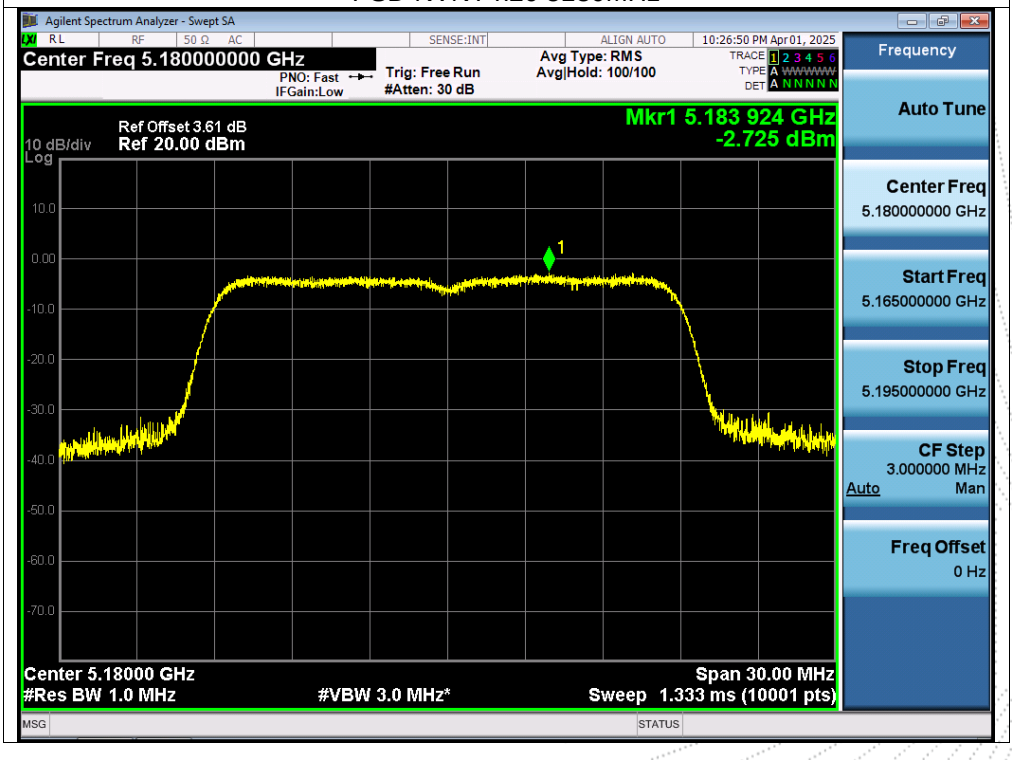
PSD NVNT a 5180MHz

PSD NVNT a 5200MHz



PSD NVNT a 5240MHz

PSD NVNT n20 5180MHz

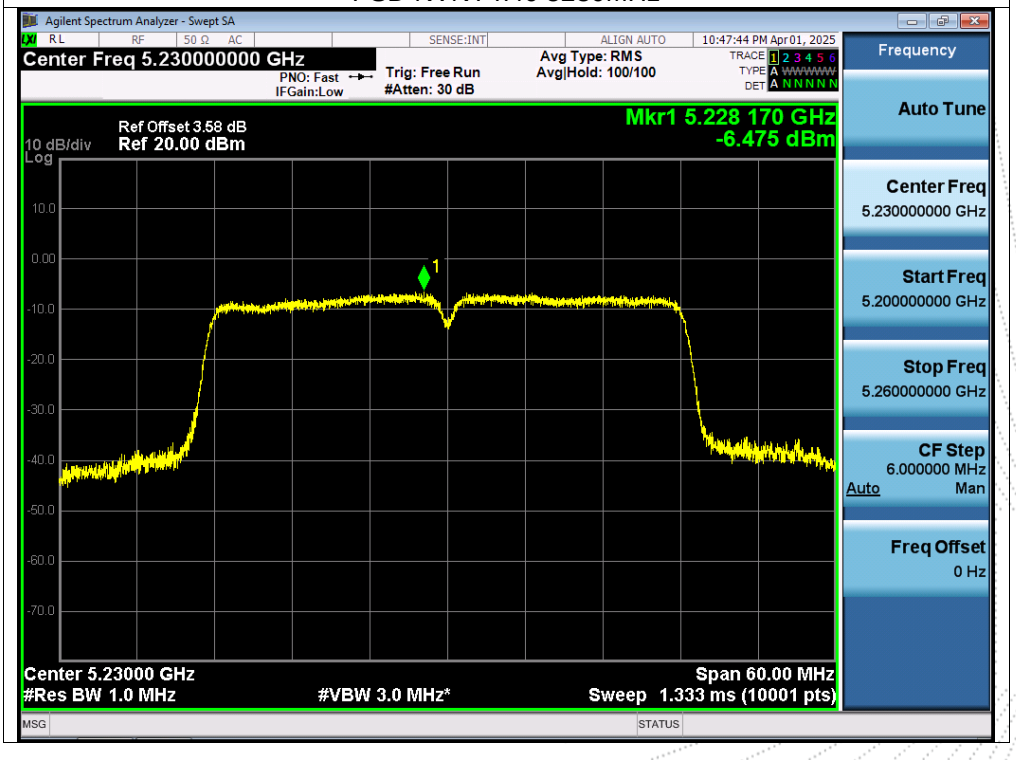


PSD NVNT n20 5200MHz

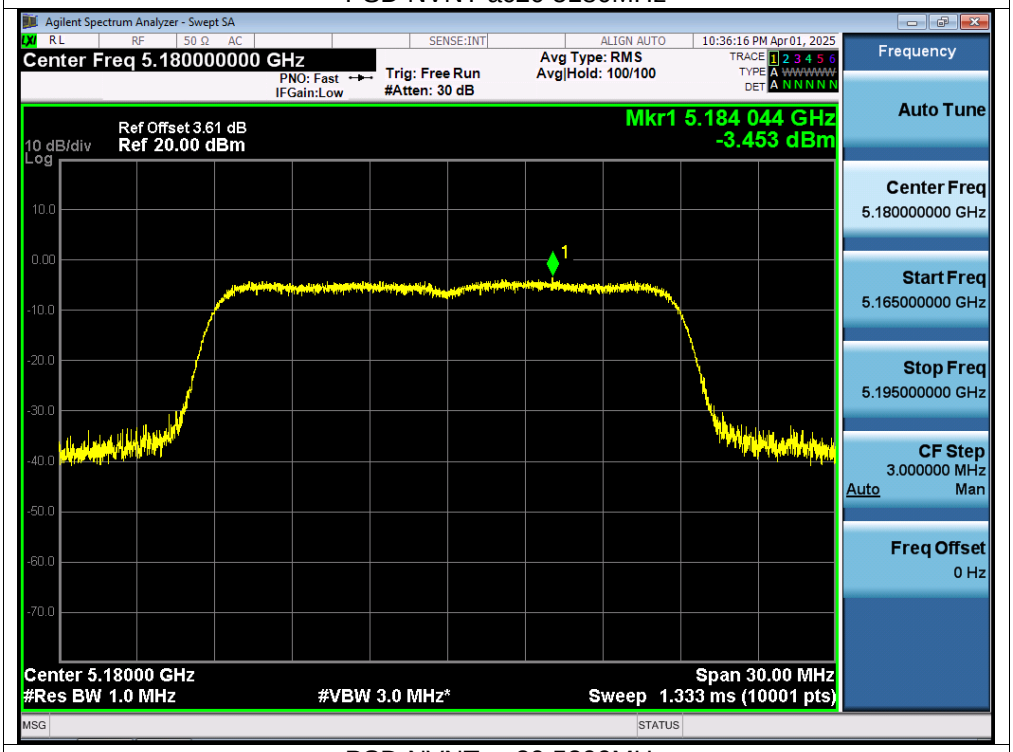
PSD NVNT n20 5240MHz

PSD NVNT n40 5190MHz

PSD NVNT n40 5230MHz

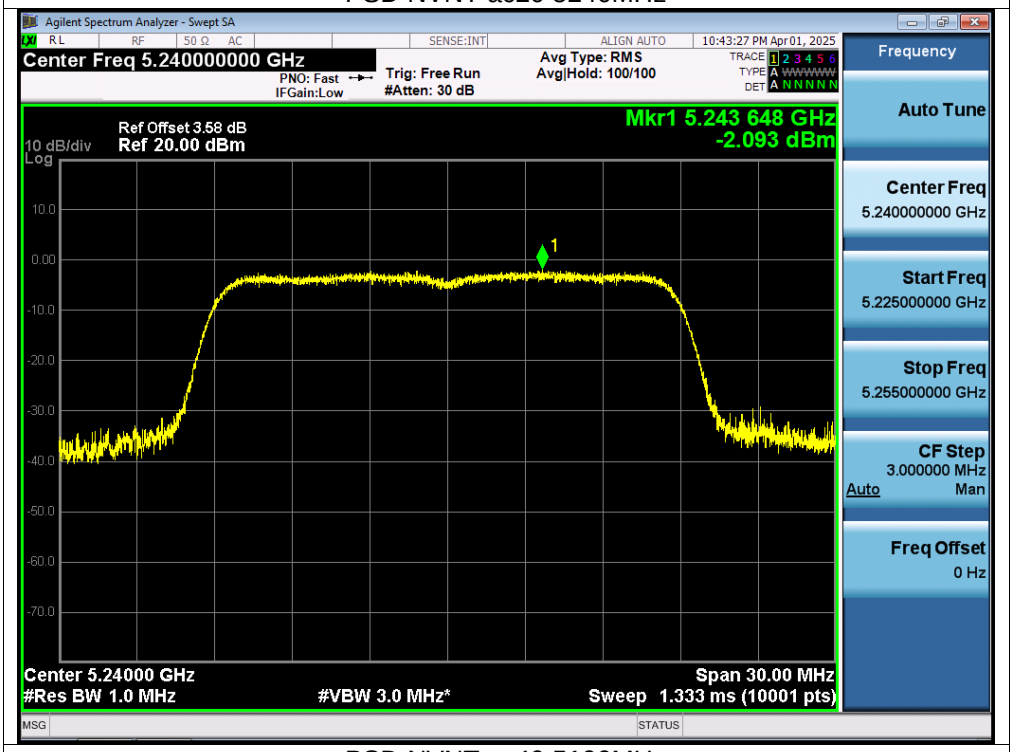


PSD NVNT ac20 5180MHz

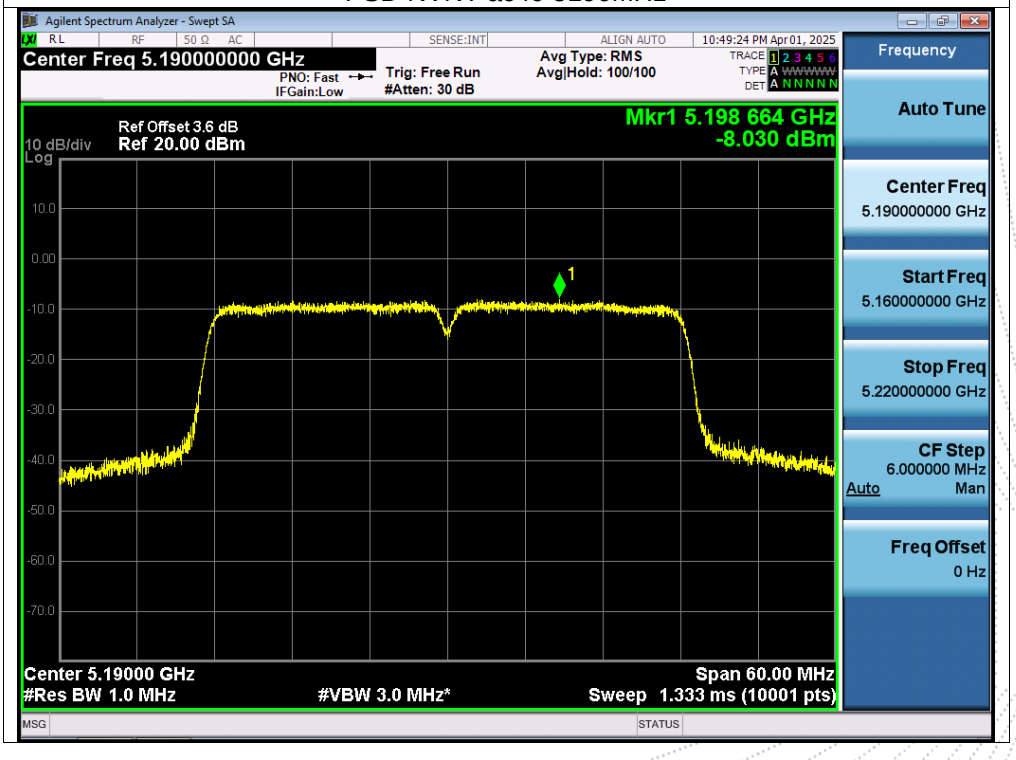


PSD NVNT ac20 5200MHz

PSD NVNT ac20 5240MHz



PSD NVNT ac40 5190MHz

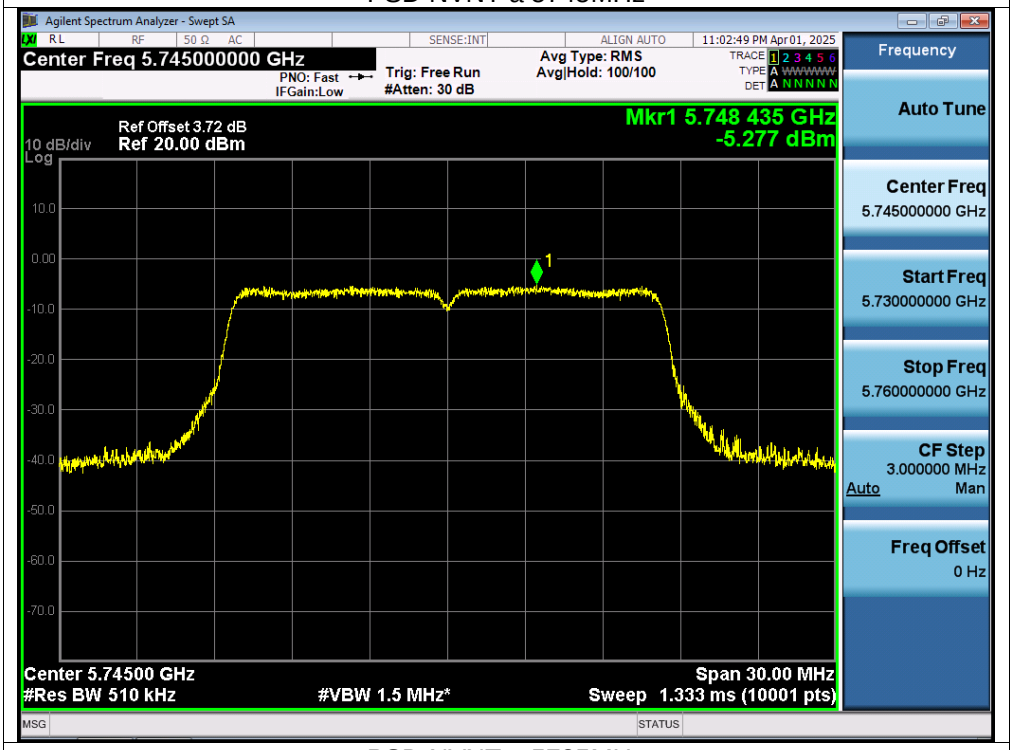


PSD NVNT ac40 5230MHz

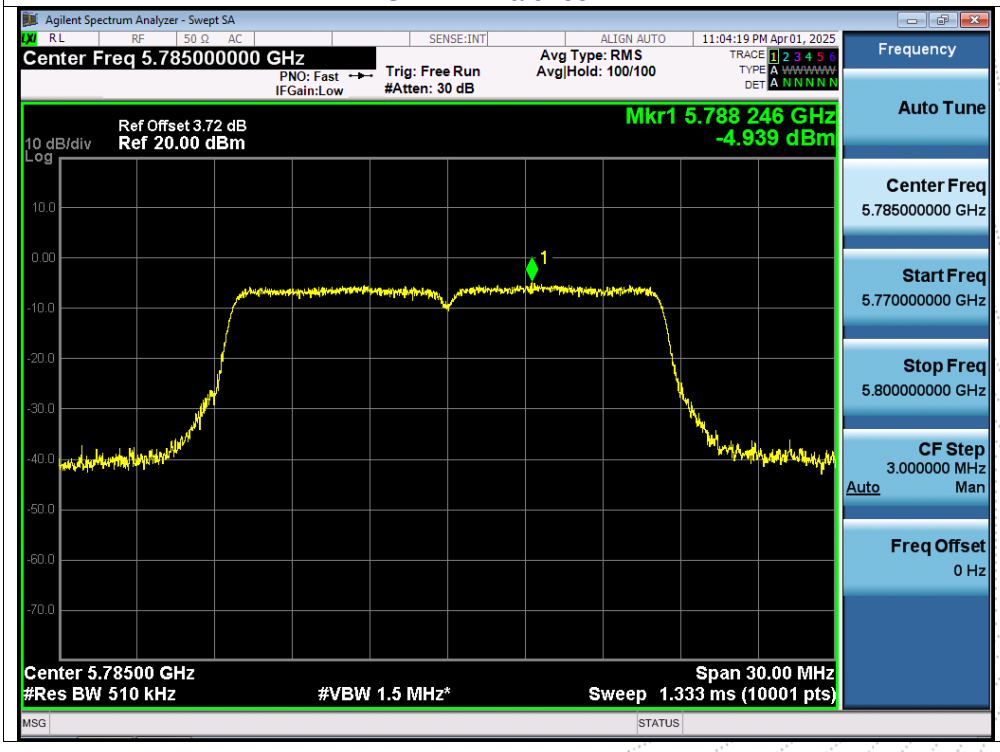
PSD NVNT ac80 5210MHz

Test Graphs

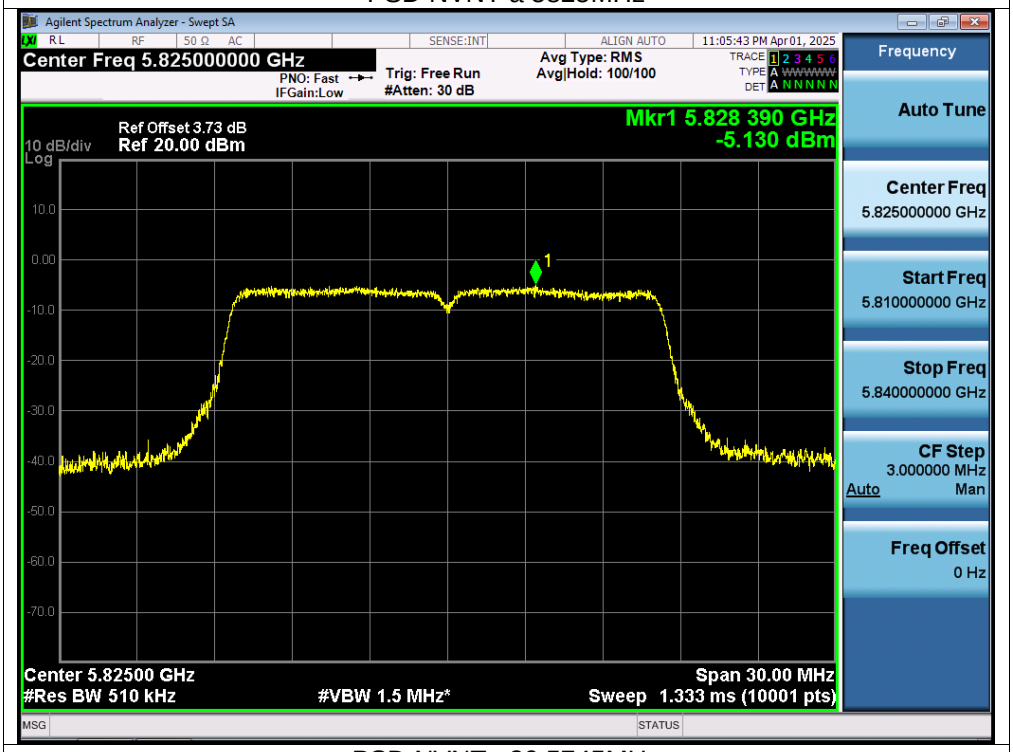
PSD NVNT a 5745MHz



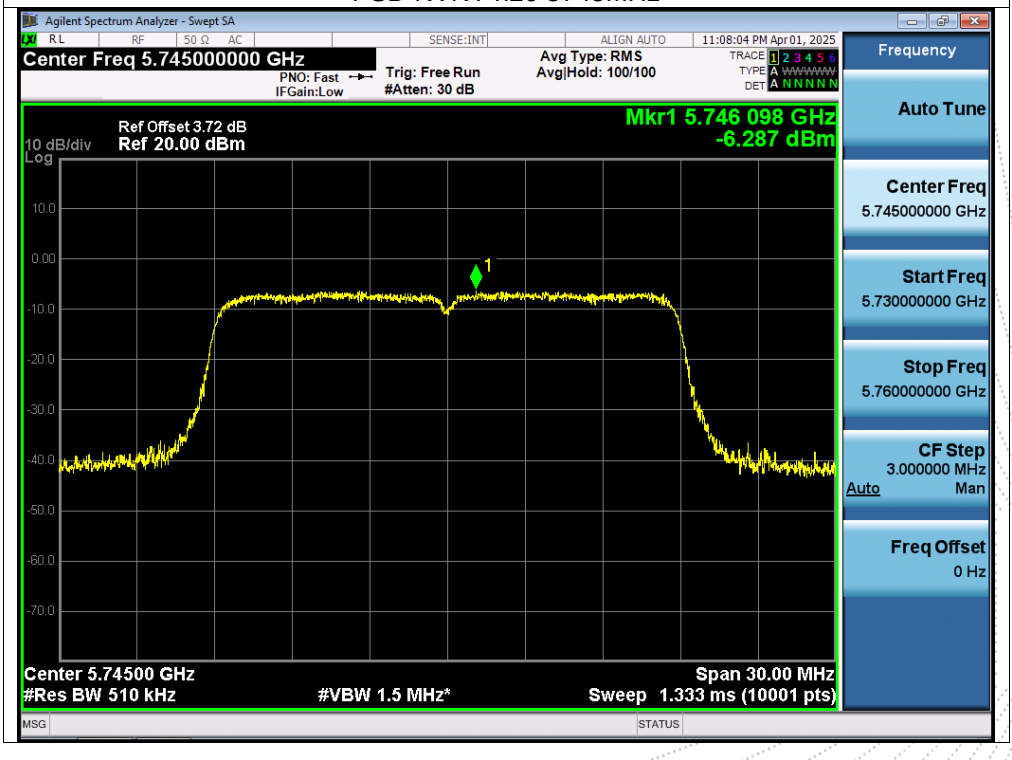
PSD NVNT a 5785MHz



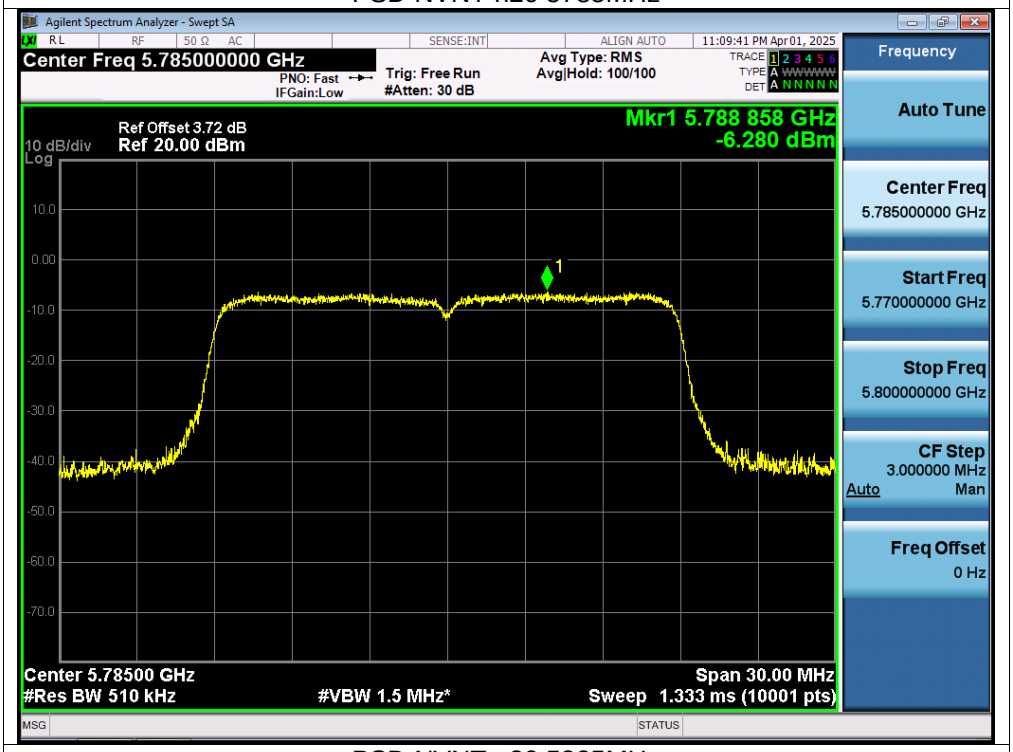
PSD NVNT a 5825MHz



PSD NVNT n20 5745MHz



PSD NVNT n20 5785MHz

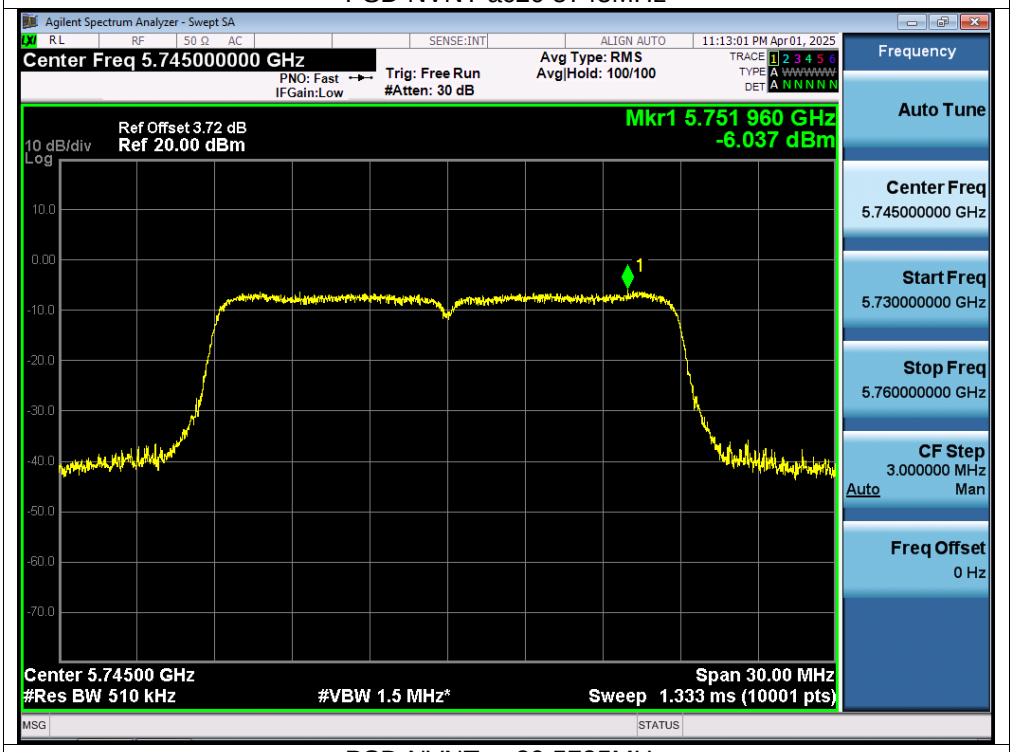


PSD NVNT n20 5825MHz

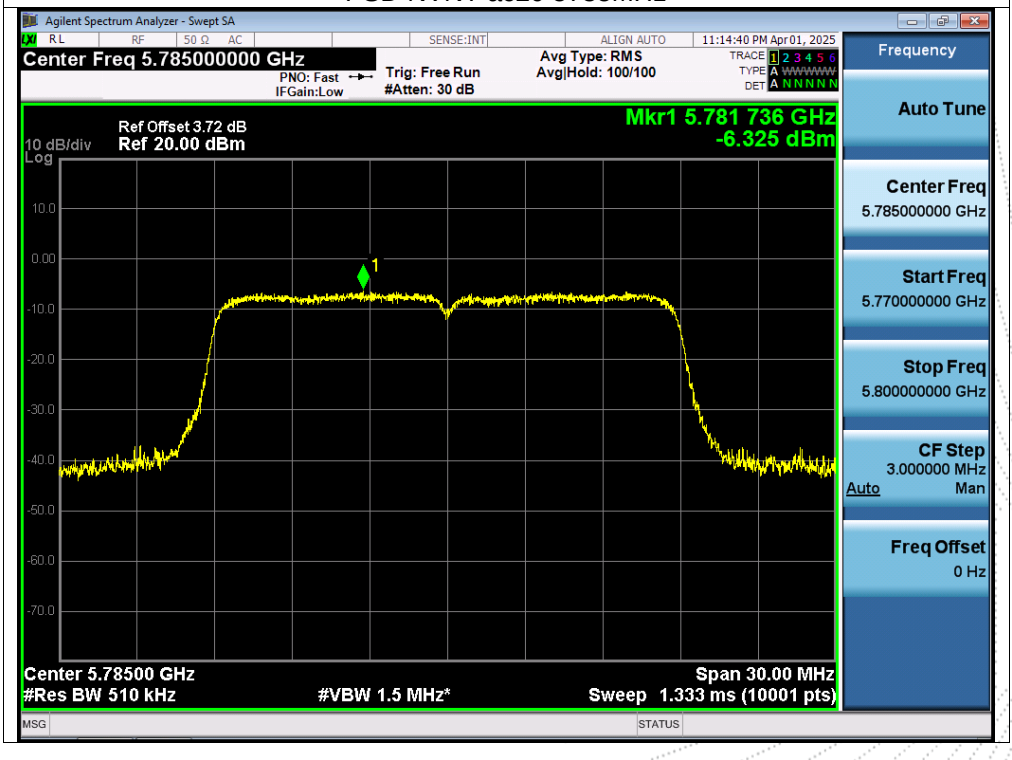
PSD NVNT n40 5755MHz

PSD NVNT n40 5795MHz

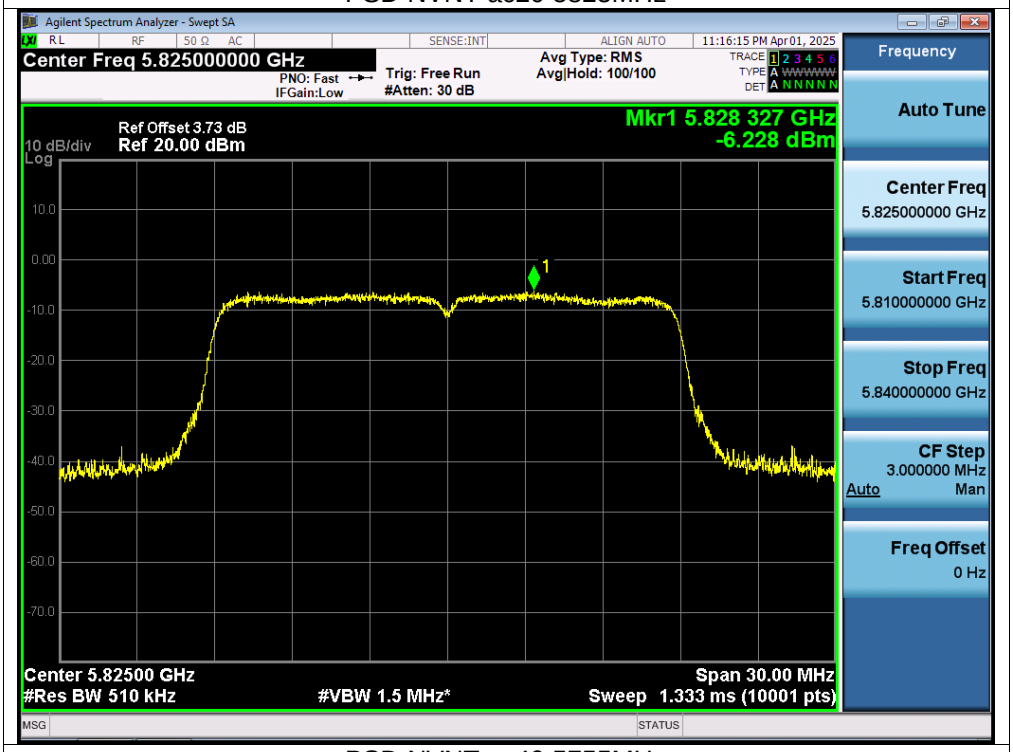
PSD NVNT ac20 5745MHz



PSD NVNT ac20 5785MHz

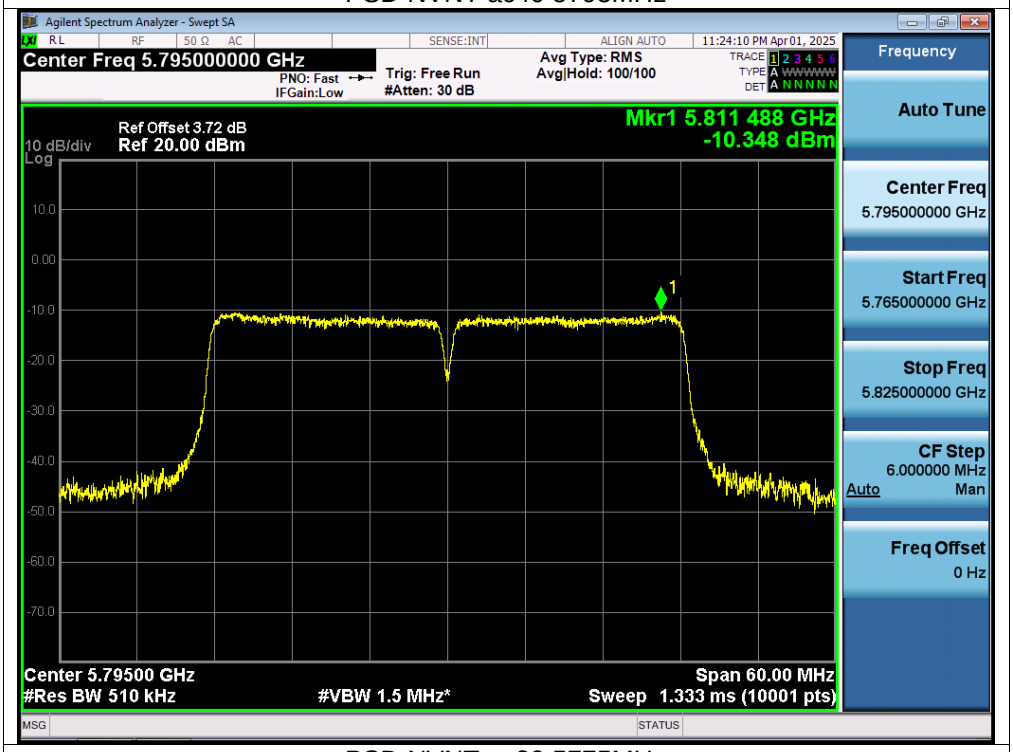


PSD NVNT ac20 5825MHz



PSD NVNT ac40 5755MHz

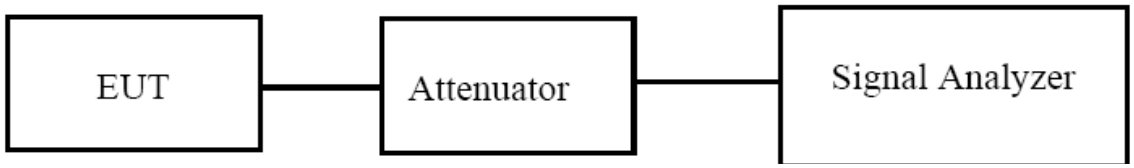
PSD NVNT ac40 5795MHz



PSD NVNT ac80 5775MHz

9. 26dB & 6dB & 99% Emission Bandwidth

9.1 Block Diagram Of Test Setup



9.2 Limit

The maximum power spectral density is measured as a conducted emission by direct connection of a calibrated test instrument to the equipment under test. If the device cannot be connected directly, alternative techniques acceptable to the Commission may be used. Measurements in the 5.725-5.85 GHz band are made over a reference bandwidth of 500 kHz or the 26 dB emission bandwidth of the device, whichever is less. Measurements in the 5.15-5.25 GHz, 5.25-5.35 GHz, and the 5.47-5.725 GHz bands are made over a bandwidth of 1 MHz or the 26 dB emission bandwidth of the device, whichever is less. A narrower resolution bandwidth can be used, provided that the measured power
is integrated over the full reference bandwidth.
(6dB bandwidth)>500kHz

9.3 Test Procedure

a) Set RBW = approximately 1% of the emission bandwidth.
b) Set the VBW > RBW.
c) Detector = Peak.
d) Trace mode = max hold.
e) Measure the maximum width of the emission that is 26 dB down from the maximum of the emission. Compare this with the RBW setting of the analyzer. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is approximately 1%.

The following procedure shall be used for measuring (99 %) power bandwidth:
1. Set center frequency to the nominal EUT channel center frequency.
2. Set span = 1.5 times to 5.0 times the OBW.
3. Set RBW = 1 % to 5 % of the OBW
4. Set VBW ≥ 3 · RBW
5. Video averaging is not permitted. Where practical, a sample detection and single sweep mode shall be used. Otherwise, peak detection and max hold mode (until the trace stabilizes) shall be used.
6. Use the 99 % power bandwidth function of the instrument (if available).
7. If the instrument does not have a 99 % power bandwidth function, the trace data points are recovered and directly summed in power units. The recovered amplitude data points, beginning at the lowest frequency, are placed in a running sum until 0.5 % of the total is reached; that frequency is recorded as the lower frequency. The process is repeated until 99.5 % of the total is reached; that frequency is recorded as the upper frequency. The 99% occupied bandwidth is the difference between these two frequencies.

6dB
1. Set RBW = 100 kHz.
2. Set the video bandwidth (VBW) ≥ 3 x RBW.
3. Detector = Peak.
4. Trace mode = max hold.
5. Sweep = auto couple.

6. Allow the trace to stabilize.
7. Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

9.4 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.

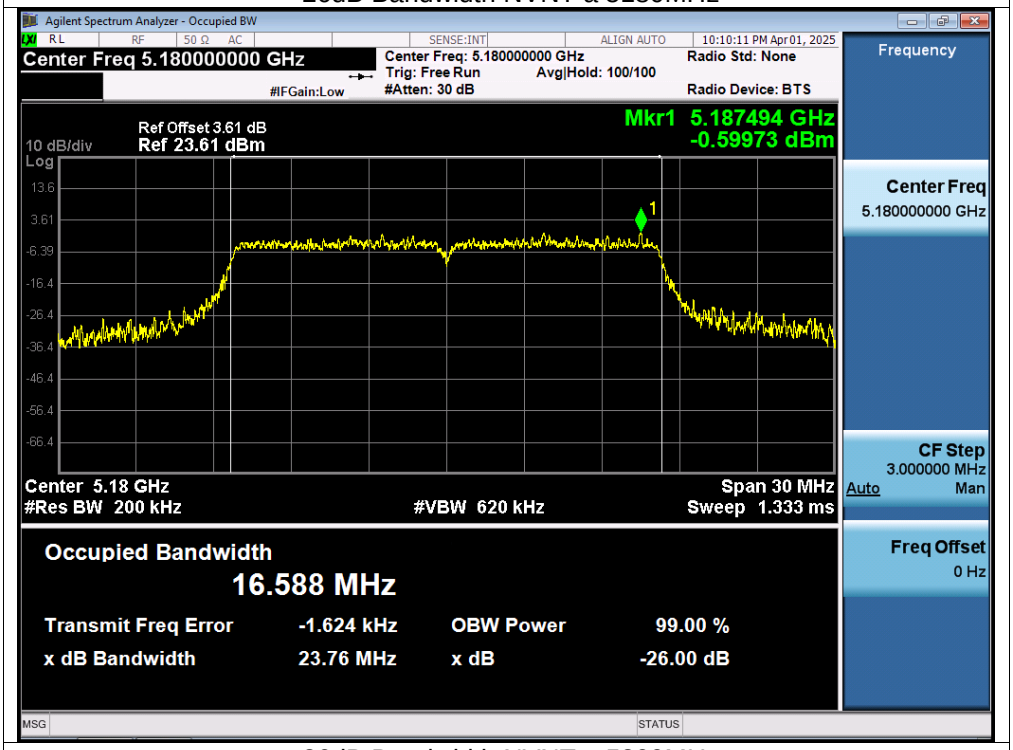
9.5 Test Result

Temperature:	26 ℃	Relative Humidity:	54%
Pressure:	101kPa	Test Voltage:	DC 3.87V
Test Mode:	TX Frequency U-NII-1 (5180-5240MHz)		

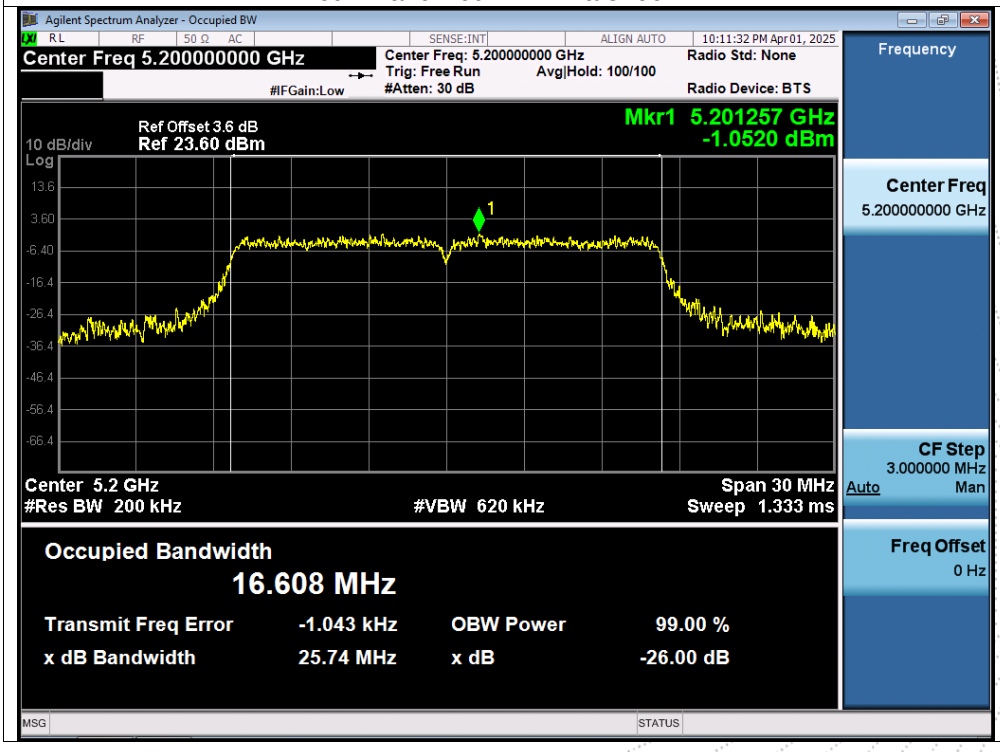
Condition	Mode	Frequency (MHz)	99% bandwidth (MHz)	-26dB bandwidth (MHz)	Result
NVNT	a	5180	16.605	23.758	Pass
NVNT	a	5200	16.576	25.743	Pass
NVNT	a	5240	16.569	25.011	Pass
NVNT	n20	5180	17.612	23.342	Pass
NVNT	n20	5200	17.615	24.046	Pass
NVNT	n20	5240	17.598	25.302	Pass
NVNT	n40	5190	36.153	46.611	Pass
NVNT	n40	5230	36.132	46.37	Pass
NVNT	ac20	5180	17.613	26.43	Pass
NVNT	ac20	5200	17.64	27.4	Pass
NVNT	ac20	5240	17.623	25.283	Pass
NVNT	ac40	5190	36.184	50.058	Pass
NVNT	ac40	5230	36.158	47.056	Pass
NVNT	ac80	5210	75.619	85.613	Pass

Test Graphs

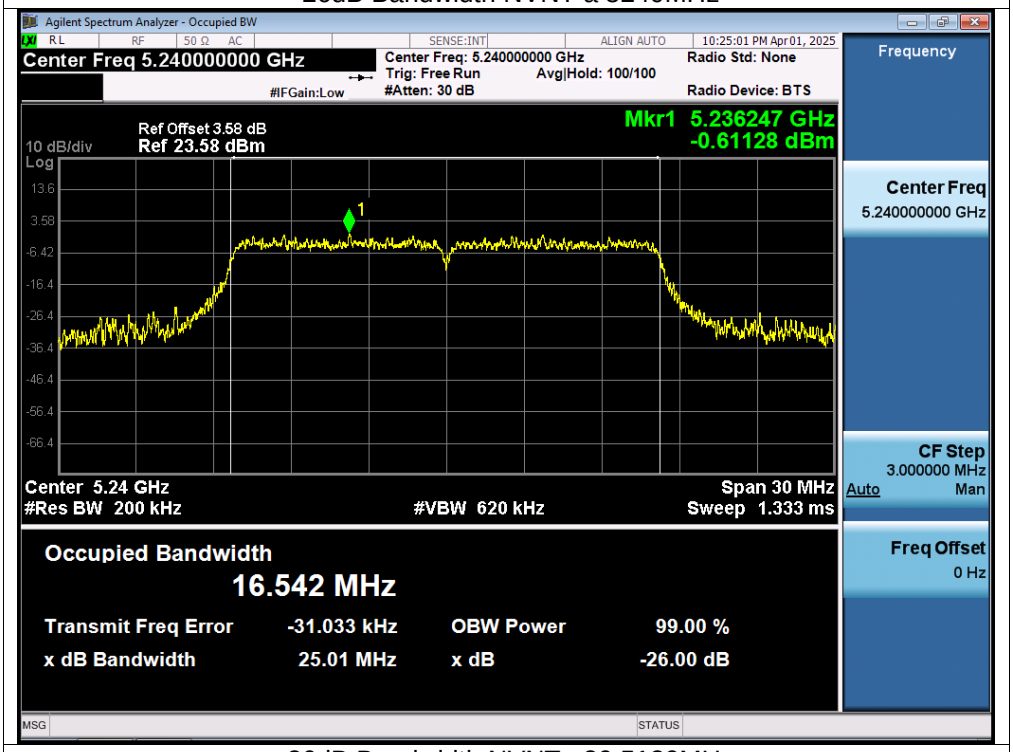
-26dB Bandwidth NVNT a 5180MHz



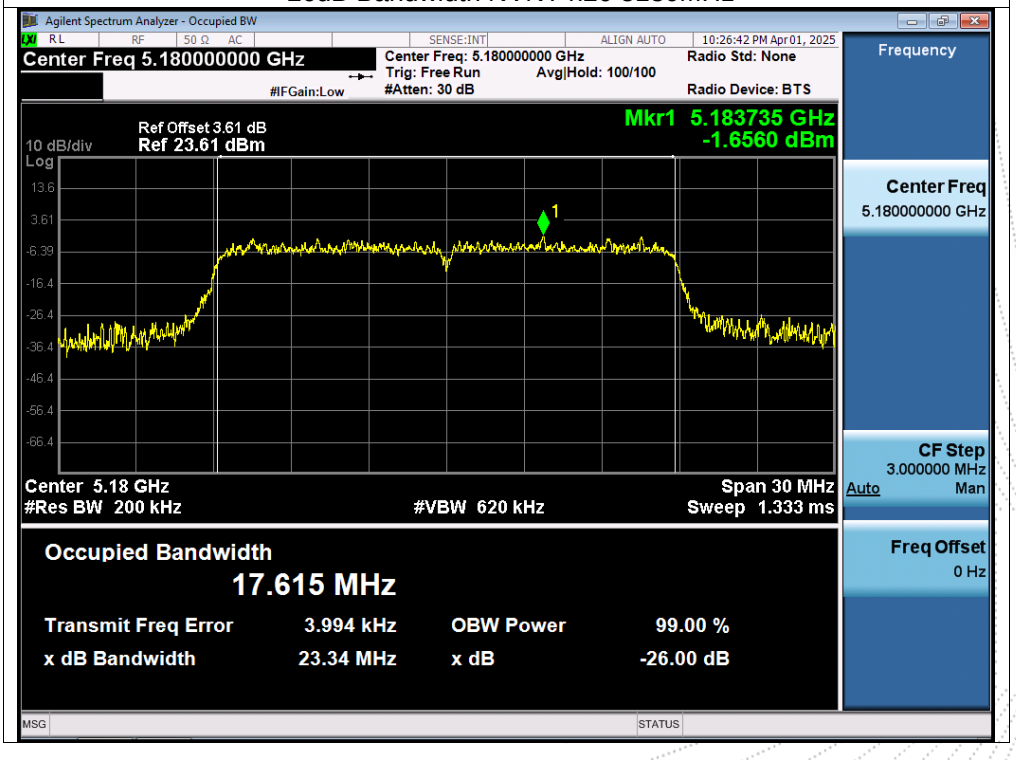
-26dB Bandwidth NVNT a 5200MHz



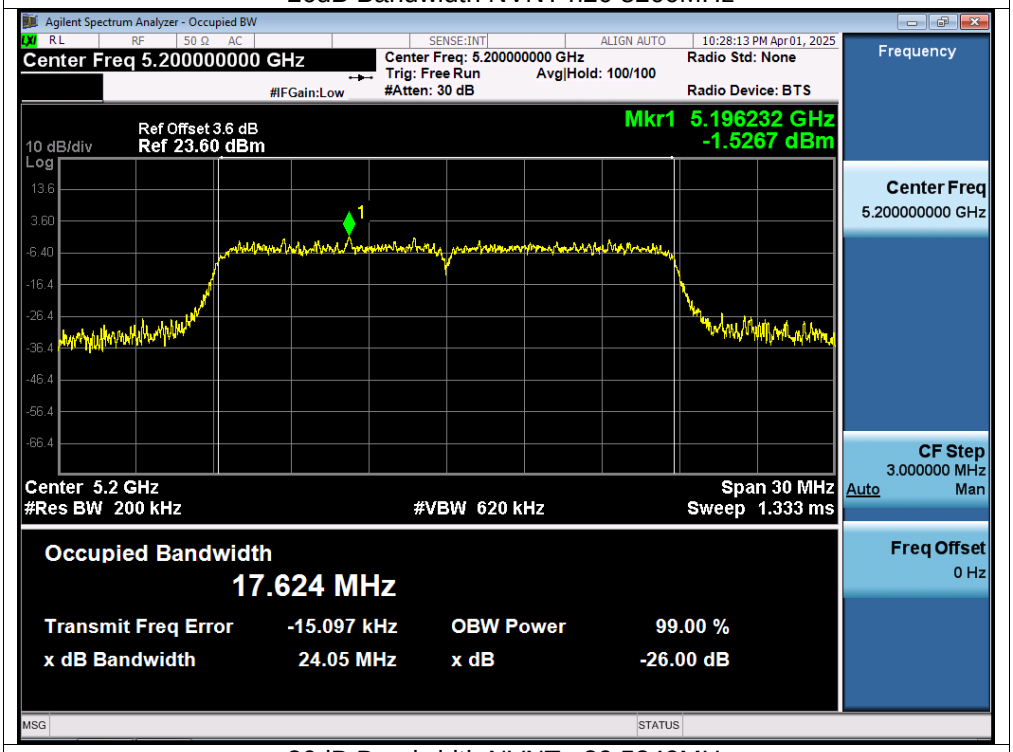
-26dB Bandwidth NVNT a 5240MHz



-26dB Bandwidth NVNT n20 5180MHz



-26dB Bandwidth NVNT n20 5200MHz



-26dB Bandwidth NVNT n20 5240MHz