

TEST REPORT

Report No.: BCTC2506114987-4E

Applicant: Acer India PVT Limited

Product Name: Laptop

Test Model: Acer One Z14-55M

Tested Date: 2025-06-23 to 2025-07-01

Issued Date: 2025-07-01

Shenzhen BCTC Testing Co., Ltd.



FCC ID: 2A94K-Z14-55M

Product Name: Laptop

Trademark: 

Model/Type reference: Acer One Z14-55M

Prepared For: Acer India PVT Limited

Address: Acer India PVT Limited, 6th Floor, Embassy Heights, No.13, Magrath Road, Bangalore, 560025, India

Manufacturer: Acer India PVT Limited

Address: Acer India PVT Limited, 6th Floor, Embassy Heights, No.13, Magrath Road, Bangalore, 560025, India

Prepared By: Shenzhen BCTC Testing Co., Ltd.

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Sample Received Date: 2025-06-23

Sample tested Date: 2025-06-23 to 2025-07-01

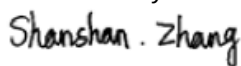
Issue Date: 2025-07-01

Report No.: BCTC2506114987-4E

Test Standards: FCC Part15 15.407
ANSI C63.10-2013
KDB 662911 D01 v02r01
KDB 789033 D02 v02r01

Test Results: PASS

Tested by:



Shanshan. Zhang / Project Handler

Approved by:



Zero Zhou/Reviewer

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(Note: N/A Means Not Applicable)

1. Version

Report No.	Issue Date	Description	Approved
BCTC2506114987-4E	2025-07-01	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	Power Spectral Density	U=1.19dB
8	Conducted output power uncertainty Above 1G	U=1.576dB
9	Conducted output power uncertainty below 1G	U=1.28dB
10	Conducted spurious emissions	U=0.55dB
11	Occupied Bandwidth/Frequency Range	U=3.46%
12	humidity uncertainty	U=5.3%
13	Temperature uncertainty	U=0.59℃
14	Frequency Error	U=53.50Hz
15	Frequency Drift	U=0.64kHz

4. Product Information And Test Setup

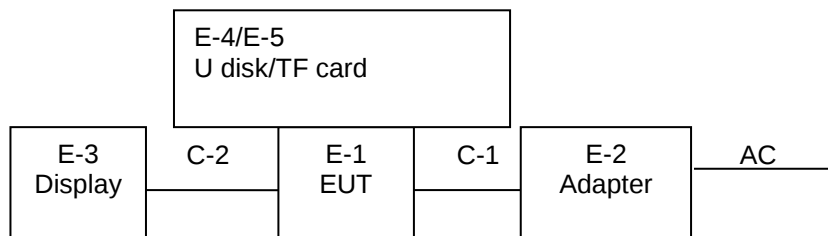
4.1 Product Information

Model/Type Reference:	Acer One Z14-55M
Model Differences:	N/A
Hardware Version:	N/A
Software Version:	N/A
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): MCS0-MCS8 802.11ac(VHT40/VHT80): MCS0-MCS9
Type of Modulation:	OFDM with BPSK/QPSK/16QAM/64QAM for 802.11a/n OFDM with BPSK/QPSK/16QAM/64QAM/256QAM for 802.11ac
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*2
Antenna Gain:	WIFI(5.1GHz): Antenna A: 1.57 dBi, Antenna B: 2.1 dBi WIFI(5.8GHz): Antenna A: 1.82 dBi, Antenna B: 2.27 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 19V from adapter or DC 11.4V from battery
Adapter:	MODEL: BSY065T1903423 D INPUT: 100-240V~ 50/60Hz, 1.5A OUTPUT: 19V ---3.42A 64.98W

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 and Radiated Spurious Emission:



4.3 Support Equipment

No.	Device Type	Brand	Model	Series No.	Note
E-1	Laptop		Acer One Z14-55M	---	EUT
E-2	Display	AOC	U27V5C	---	Auxiliary
E-3	Earphone	IHIP	SBGE1	---	Auxiliary
E-4	U disk	SanDisk	---	---	Auxiliary
E-5	TF card	SanDisk	32G	---	Auxiliary

Item	Shielded Type	Ferrite Core	Length	Note
C-1	---	---	1m	DC cable unshielded
C-2	---	---	0.8m	HDMI 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	Link mode (Conducted emission & Radiated emission)

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	phwfw02372_22.10.0.7tools		
Parameters	DEF	DEF	DEF

4.7 Antenna

5.1G

Antenna	Brand	Model Name	Antenna Type	Gain (dBi)	NOTE
A	N/A	N/A	Internal antenna	1.57	N/A
B	N/A	N/A	Internal antenna	2.10	N/A

1)For power spectral density(PSD) measurements,
Array Gain= $10\log(\text{NANT}/\text{NSS})\text{dB}=10\log(2/1)=3.01\text{dB}$,

So the directional gain for PSD is 5.11 dBi

2)For power measurements,

The Array gain=0 dB for $\text{NANT} \leq 4$,

So the directional gain for Power measurements is 2.10 dBi

5.8G

Antenna	Brand	Model Name	Antenna Type	Gain (dBi)	NOTE
A	N/A	N/A	Internal antenna	1.82	N/A
B	N/A	N/A	Internal antenna	2.27	N/A

1)For power spectral density(PSD) measurements,
Array Gain= $10\log(\text{NANT}/\text{NSS})\text{dB}=10\log(2/1)=3.01\text{dB}$,

So the directional gain for PSD is 5.28 dB

2)For power measurements,

The Array gain=0 dB for $\text{NANT} \leq 4$,

So the directional gain for Power measurements is 2.27 dBi

Directional gain may be calculated by using the formulas applicable to equal gain antennas with GANT set equal to the gain of the antenna having the highest gain.

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	ESR3	102075	May 08, 2025	May 07, 2026
LISN	R&S	ENV216	101375	May 14, 2025	May 13, 2026
Software	Frad	EZ-EMC	EMC-CON 3A1	\	\
Pulse limiter	Schwarzbeck	VTSD9561-F	01323	May 14, 2025	May 13, 2026

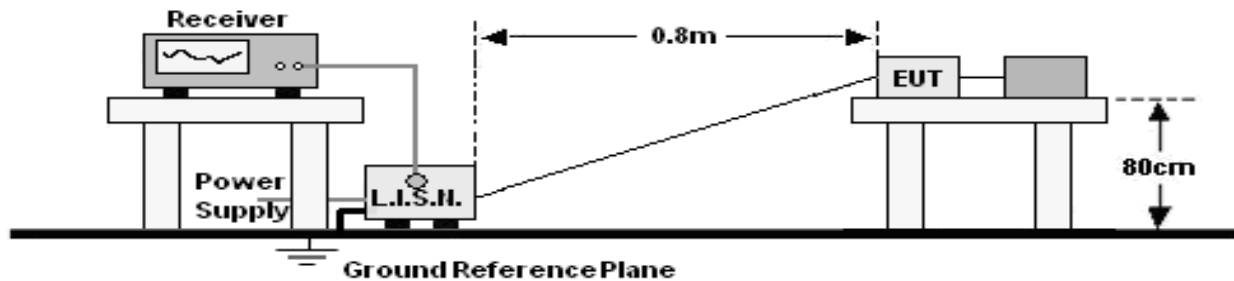
RF Conducted Test					
Equipment	Manufacturer	Model#	Serial#	Last Cal.	Next Cal.
Power Meter	Keysight	E4419	\	May 14, 2025	May 13, 2026
Power Sensor (AV)	Keysight	E9300A	\	May 14, 2025	May 13, 2026
Signal Analyzer20kHz-26.5GHz	Keysight	N9020A	MY49100060	May 14, 2025	May 13, 2026
Spectrum Analyzer9kHz-40GHz	R&S	FSP40	100363	May 14, 2025	May 13, 2026
Radio frequency control box	MAIWEI	MW100-RFC B	\	\	\
Software	MAIWEI	MTS 8310	\	\	\

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	ESR3	102075	May 08, 2025	May 07, 2026
Receiver	R&S	ESRP	101154	May 14, 2025	May 13, 2026
Amplifier	Schwarzbeck	BBV9744	9744-0037	May 14, 2025	May 13, 2026
TRILOG Broadband Antenna	Schwarzbeck	VULB9163	942	May 24, 2025	May 23, 2026
Loop Antenna(9KHz -30MHz)	Schwarzbeck	FMZB1519B	00014	May 24, 2025	May 23, 2026
Amplifier	SKET	LAPA_01G1 8G-45dB	SK2021040901	May 14, 2025	May 13, 2026
Horn Antenna	Schwarzbeck	BBHA9120D	1541	May 24, 2025	May 23, 2026
Amplifier(18G Hz-40GHz)	MITEQ	TTA1840-35-HG	2034381	May 24, 2025	May 23, 2026
Horn Antenna(18G Hz-40GHz)	Schwarzbeck	BBHA9170	00822	May 24, 2025	May 23, 2026
Spectrum Analyzer9kHz-40GHz	R&S	FSP40	100363	May 14, 2025	May 13, 2026
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:

- *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

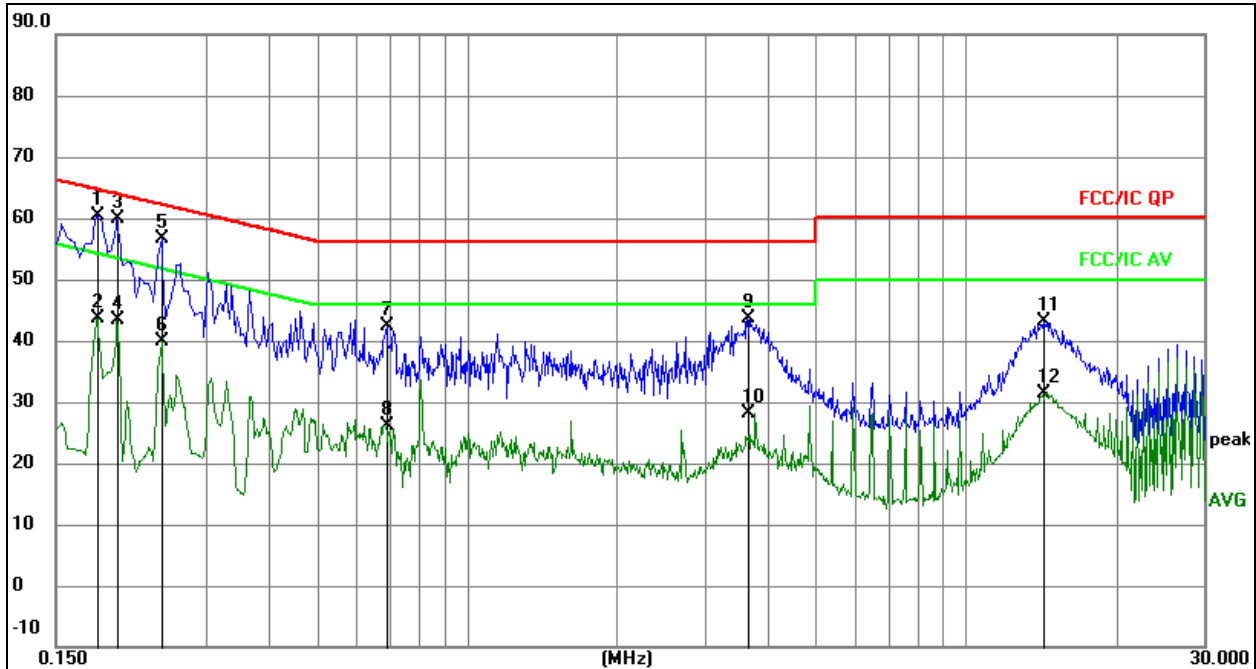
- The Product was placed on a nonconductive table 0.8 m above the horizontal ground reference plane, and 0.4 m from the vertical ground reference plane, and connected to the main through Line Impedance Stability Network (L.I.S.N).
- The RBW of the receiver was set at 9 kHz in 150 kHz ~ 30MHz with Peak 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:	24.3 °C	Relative Humidity:	52%RH
Pressure:	101KPa	Test Voltage:	AC 120V/60Hz
Test Mode:	Mode 4	Polarization:	L

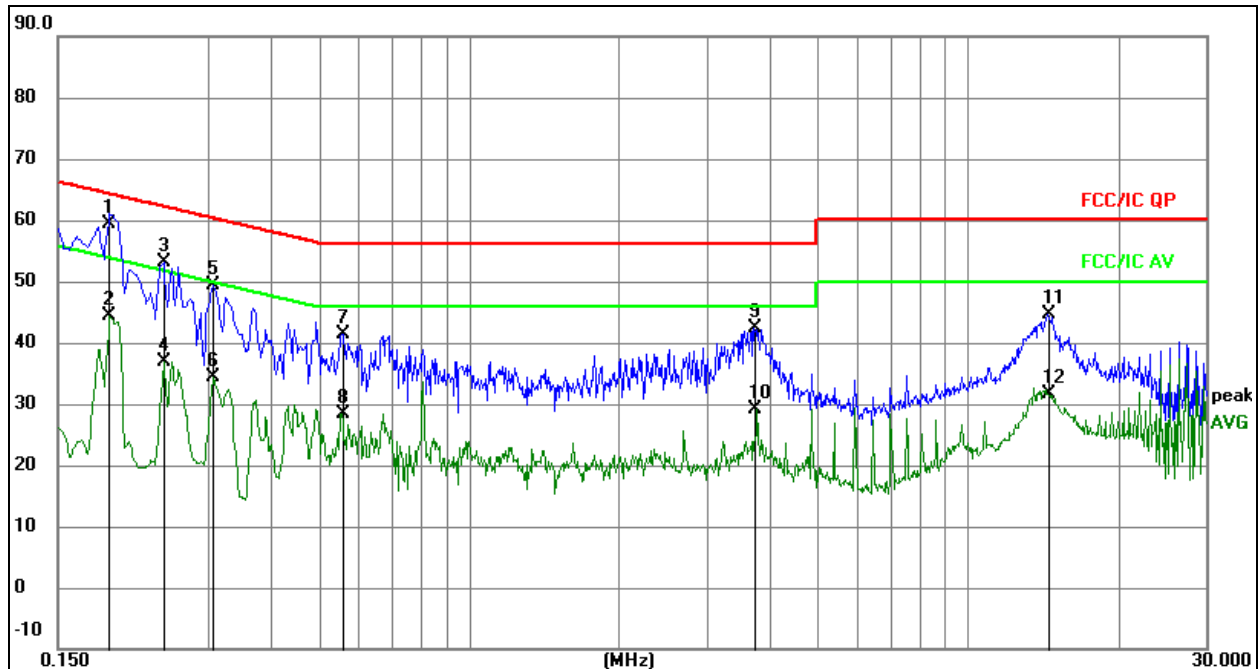


Remark:

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	Measurement	Limit	Over	
		MHz		dB	dBuV	dBuV	dB	Detector
1		0.1815	40.46	20.04	60.50	64.42	-3.92	QP
2		0.1815	23.71	20.04	43.75	54.42	-10.67	AVG
3	*	0.1995	39.74	20.04	59.78	63.63	-3.85	QP
4		0.1995	23.38	20.04	43.42	53.63	-10.21	AVG
5		0.2445	36.58	20.04	56.62	61.94	-5.32	QP
6		0.2445	19.84	20.04	39.88	51.94	-12.06	AVG
7		0.6900	22.12	20.25	42.37	56.00	-13.63	QP
8		0.6900	5.98	20.25	26.23	46.00	-19.77	AVG
9		3.6420	23.16	20.53	43.69	56.00	-12.31	QP
10		3.6420	7.57	20.53	28.10	46.00	-17.90	AVG
11		14.2980	20.93	22.32	43.25	60.00	-16.75	QP
12		14.2980	9.18	22.32	31.50	50.00	-18.50	AVG

Temperature:	24.3 °C	Relative Humidity:	52%RH
Pressure:	101KPa	Test Voltage:	AC 120V/60Hz
Test Mode:	Mode 4	Polarization:	N


Remark:

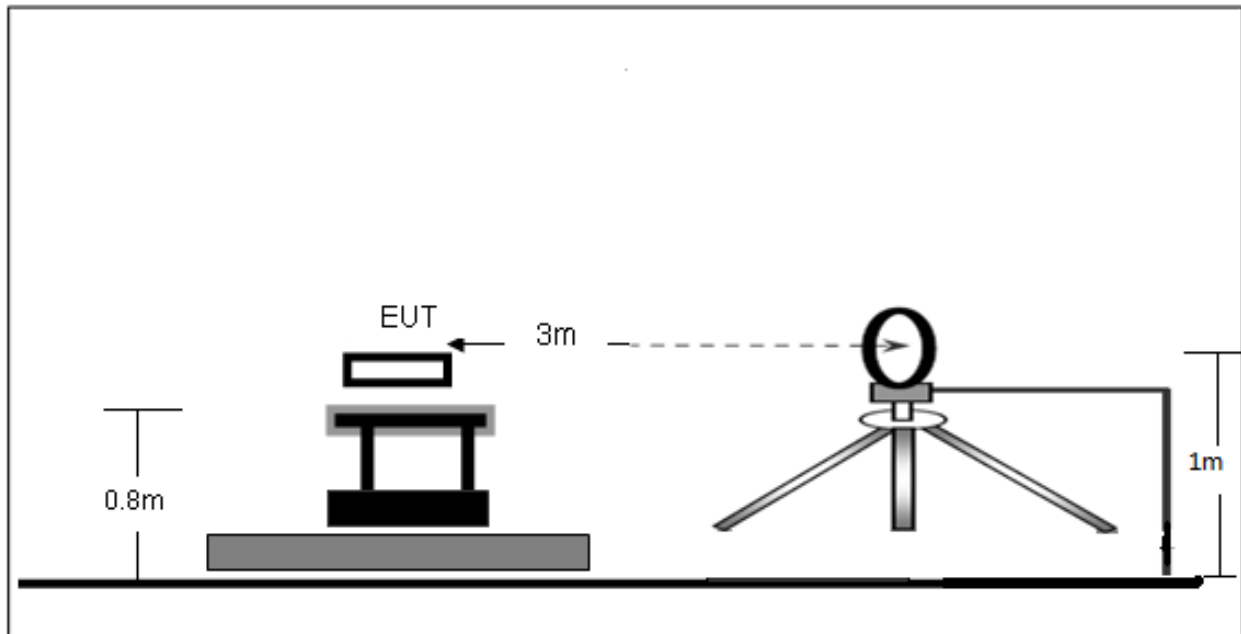
1. All readings are Quasi-Peak and Average values.
2. Factor = Insertion Loss + Cable Loss.
3. Measurement = Reading Level + Correct Factor
4. Over = Measurement - Limit

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector
		MHz		dB	dBuV	dBuV	dB	
1	*	0.1900	39.38	20.04	59.42	64.04	-4.62	QP
2		0.1900	24.44	20.04	44.48	54.04	-9.56	AVG
3		0.2442	33.17	20.04	53.21	61.95	-8.74	QP
4		0.2442	16.95	20.04	36.99	51.95	-14.96	AVG
5		0.3067	29.25	20.05	49.30	60.06	-10.76	QP
6		0.3067	14.21	20.05	34.26	50.06	-15.80	AVG
7		0.5581	21.34	20.12	41.46	56.00	-14.54	QP
8		0.5581	8.34	20.12	28.46	46.00	-17.54	AVG
9		3.7198	21.78	20.55	42.33	56.00	-13.67	QP
10		3.7198	8.70	20.55	29.25	46.00	-16.75	AVG
11		14.4404	22.39	22.35	44.74	60.00	-15.26	QP
12		14.4404	9.36	22.35	31.71	50.00	-18.29	AVG

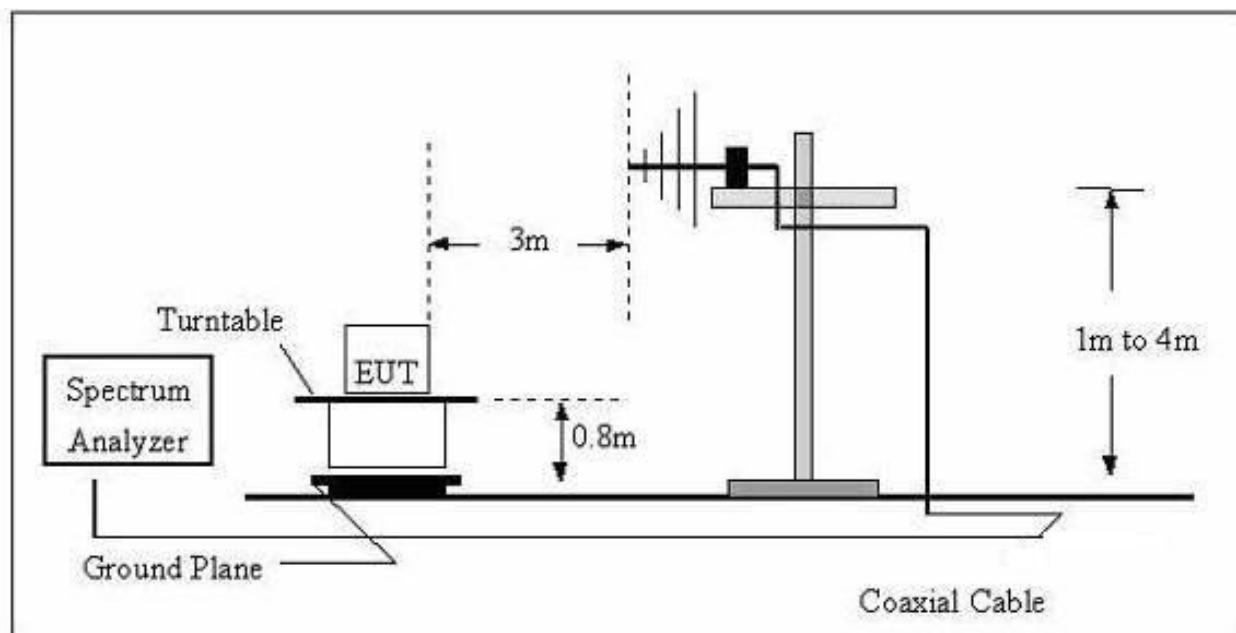
7. Radiated Emissions

7.1 Block Diagram Of Test Setup

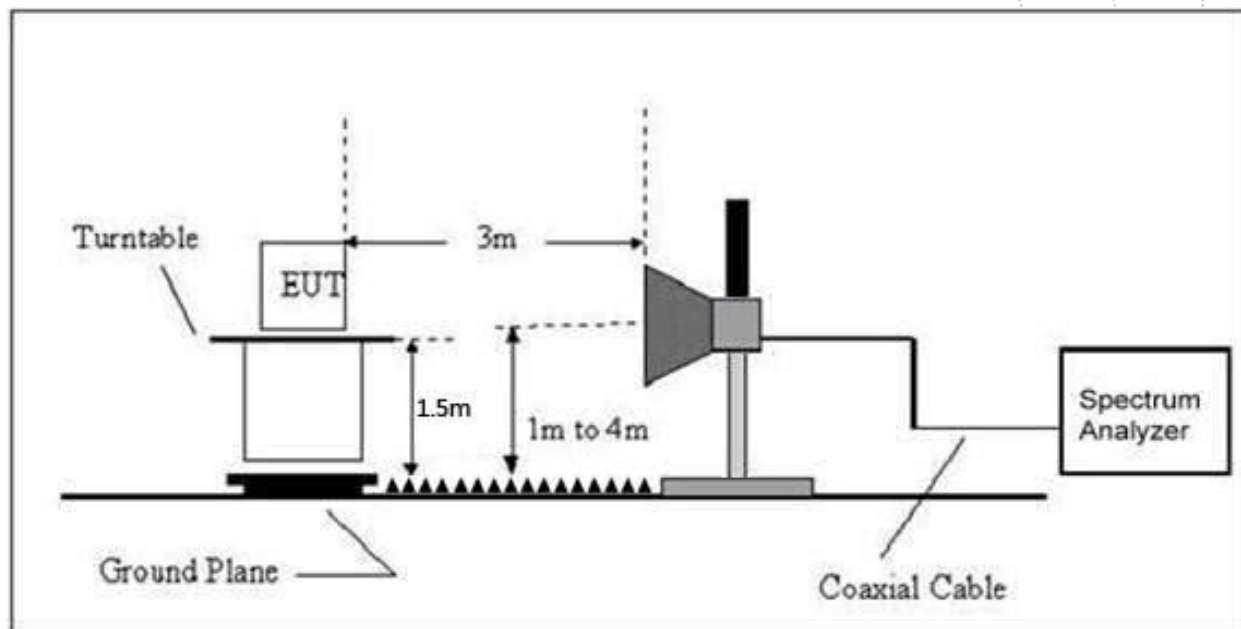
(A) Radiated Emission Test-Up Frequency Below 30MHz



(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.

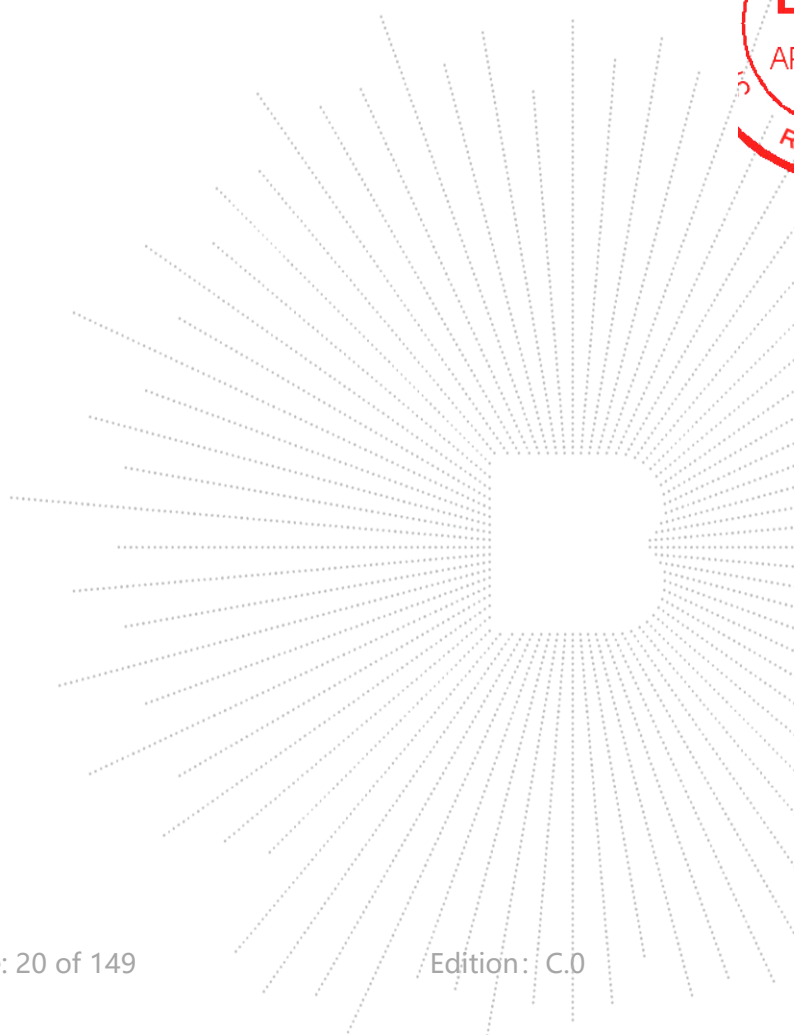
Frequency (MHz)	Field Strength uV/m	Distance (m)	Field Strength Limit at 3m Distance	
			uV/m	dBuV/m
0.009 ~ 0.490	2400/F(kHz)	300	$10000 * 2400/F(kHz)$	$20\log^{(2400/F(kHz))} + 80$
0.490 ~ 1.705	24000/F(kHz)	30	$100 * 24000/F(kHz)$	$20\log^{(24000/F(kHz))} + 40$
1.705 ~ 30	30	30	$100 * 30$	$20\log^{(30)}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

- 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:	101KPa	Test Voltage:	AC 120V/60Hz, DC 11.4V
Test Mode:	Mode 4		

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

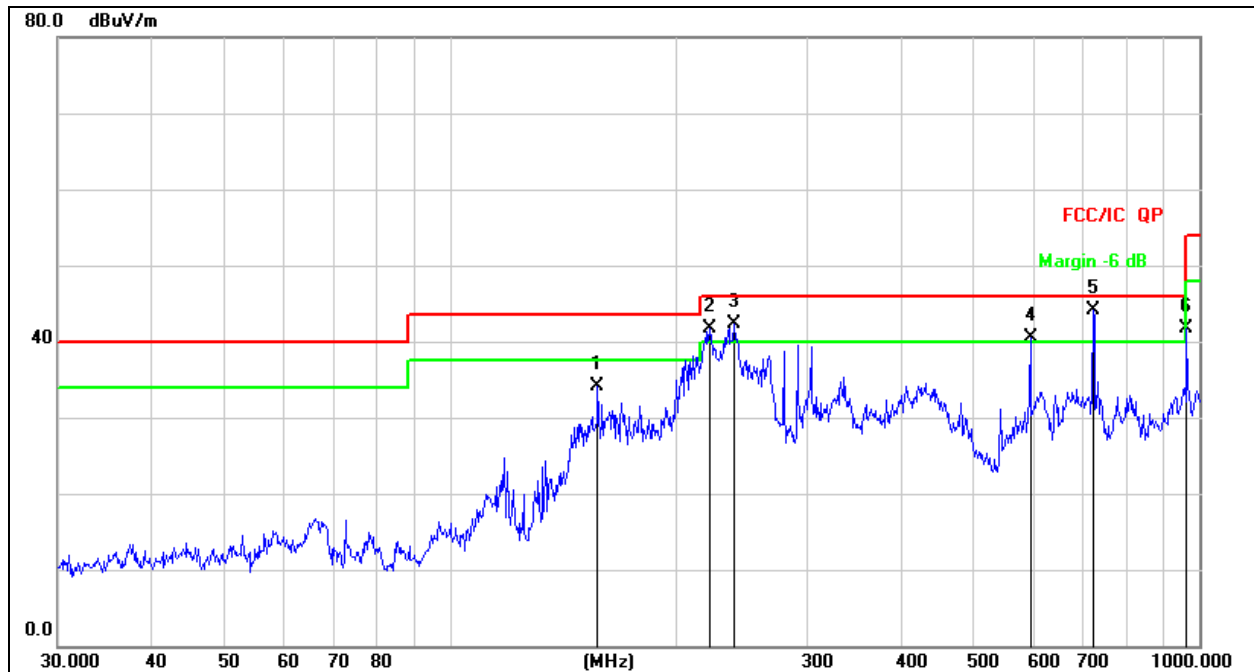
Note:

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

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

Temperature:	26 °C	Relative Humidity:	54%RH
Pressure:	101KPa	Test Voltage:	AC 120V/60Hz
Test Mode:	Mode 4	Polarization:	Horizontal

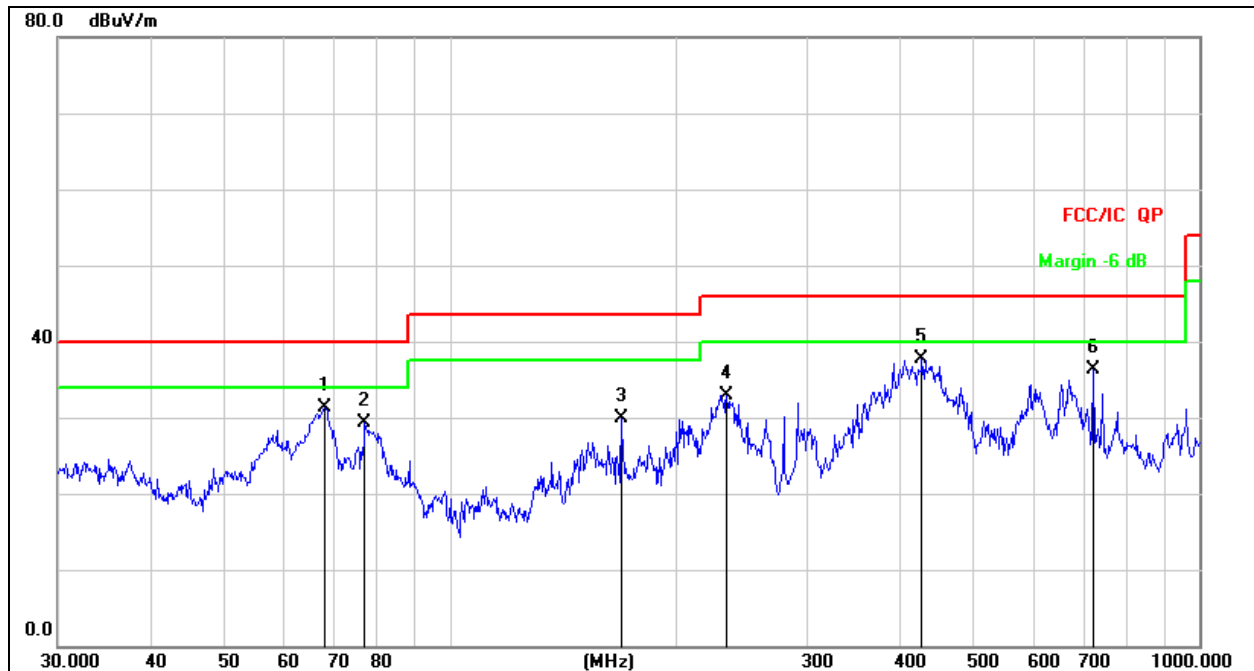


Remark:

- Factor = Antenna Factor + Cable Loss – Pre-amplifier.
- Measurement = Reading Level + Correct Factor
- Over = Measurement - Limit

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector
		MHz	dBuV	dB	dBuV/m	dB/m	dB	
1		157.5588	51.22	-17.12	34.10	43.50	-9.40	QP
2	!	222.1698	55.56	-13.87	41.69	46.00	-4.31	QP
3	!	239.1473	55.82	-13.46	42.36	46.00	-3.64	QP
4	!	595.1329	45.91	-5.50	40.41	46.00	-5.59	QP
5	*	720.0059	48.56	-4.44	44.12	46.00	-1.88	QP
6		962.1623	42.38	-0.74	41.64	54.00	-12.36	QP

Temperature:	26 °C	Relative Humidity:	54%RH
Pressure:	101KPa	Test Voltage:	AC 120V/60Hz
Test Mode:	Mode 4	Polarization:	Vertical

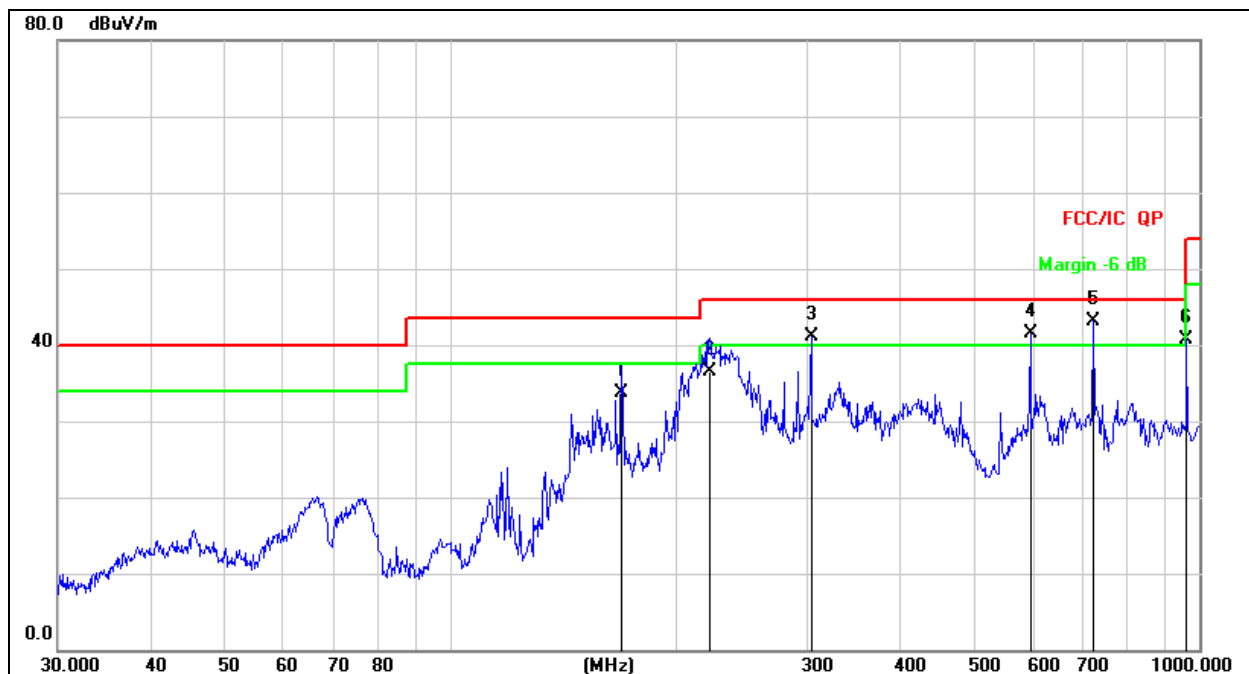


Remark:

- Factor = Antenna Factor + Cable Loss – Pre-amplifier.
- Measurement = Reading Level + Correct Factor
- Over = Measurement - Limit

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1		68.1514	47.46	-16.17	31.29	40.00	-8.71	QP
2		77.0505	45.45	-16.08	29.37	40.00	-10.63	QP
3		169.5990	46.16	-16.35	29.81	43.50	-13.69	QP
4		234.1684	46.55	-13.58	32.97	46.00	-13.03	QP
5	*	426.5210	46.57	-8.87	37.70	46.00	-8.30	QP
6		721.7259	40.62	-4.40	36.22	46.00	-9.78	QP

Temperature:	26 °C	Relative Humidity:	54%RH
Pressure:	101KPa	Test Voltage:	DC 11.4V
Test Mode:	Mode 4	Polarization:	Horizontal

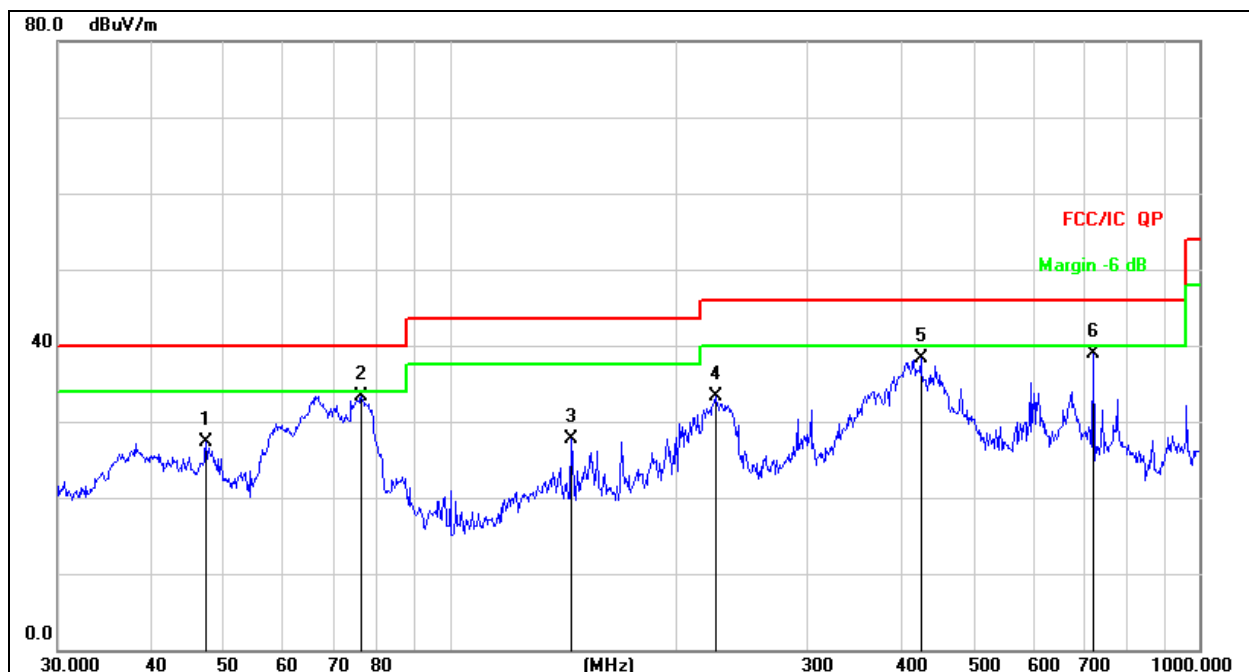


Remark:

- Factor = Antenna Factor + Cable Loss – Pre-amplifier.
- Measurement = Reading Level + Correct Factor
- Over = Measurement - Limit

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1		169.7920	50.13	-16.33	33.80	43.50	-9.70	QP
2		222.3688	50.44	-13.86	36.58	46.00	-9.42	QP
3	!	303.5437	52.99	-11.91	41.08	46.00	-4.92	QP
4	!	595.1329	47.07	-5.50	41.57	46.00	-4.43	QP
5	*	721.7259	47.41	-4.40	43.01	46.00	-2.99	QP
6		962.1623	41.49	-0.74	40.75	54.00	-13.25	QP

Temperature:	26 °C	Relative Humidity:	54%RH
Pressure:	101KPa	Test Voltage:	DC 11.4V
Test Mode:	Mode 4	Polarization:	Vertical



Remark:

- Factor = Antenna Factor + Cable Loss – Pre-amplifier.
- Measurement = Reading Level + Correct Factor
- Over = Measurement - Limit

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1		47.3255	40.47	-13.21	27.26	40.00	-12.74	QP
2	*	76.2442	49.52	-16.13	33.39	40.00	-6.61	QP
3		145.3506	44.95	-17.34	27.61	43.50	-15.89	QP
4		226.0994	47.01	-13.77	33.24	46.00	-12.76	QP
5		425.0280	47.14	-8.90	38.24	46.00	-7.76	QP
6		721.7259	43.31	-4.40	38.91	46.00	-7.09	QP

☒ Undesirable radiated Undesirable radiated Spurious Emission in Band Edge

All the modes has been tested and the worst result 802.11a recorded as below:

Test mode: 802.11a Frequency(MHz): 5180

Frequency (MHz)	Polarity	PK(dBuV/m) (VBW=3MHz)	Limit 3m (dBuV/m)	AV(dBuV/m) (VBW=10Hz)	Limit 3m (dBuV/m)
5149.57	H	64.61	74	47.64	54
5149.40	V	57.54	74	41.52	54

Test mode: 802.11a Frequency(MHz): 5240

Frequency (MHz)	Polarity	PK(dBuV/m) (VBW=3MHz)	Limit 3m (dBuV/m)	AV(dBuV/m) (VBW=10Hz)	Limit 3m (dBuV/m)
5300.24	H	45.54	74	35.65	54
5300.15	V	41.19	74	28.84	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

Test Mode:	TX(5.1G) - 802.11a
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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	4434.022	74.46	-20.73	53.73	68.20	-14.47	PK
Vertical	4434.022	59.78	-20.73	39.05	54.00	-14.95	AV
Vertical	10360.064	64.28	-9.36	54.92	68.20	-13.28	PK
Vertical	10360.064	49.31	-9.36	39.95	54.00	-14.05	AV
Vertical	15540.115	60.40	-7.84	52.56	74.00	-21.44	PK
Vertical	15540.115	49.24	-7.84	41.40	54.00	-12.60	AV
Horizontal	4434.078	74.55	-20.73	53.82	68.20	-14.38	PK
Horizontal	4434.078	59.51	-20.73	38.78	54.00	-15.22	AV
Horizontal	10360.159	64.94	-9.36	55.58	68.20	-12.62	PK
Horizontal	10360.159	49.16	-9.36	39.80	54.00	-14.20	AV
Horizontal	15540.168	62.00	-7.84	54.16	74.00	-19.84	PK
Horizontal	15540.168	49.29	-7.84	41.45	54.00	-12.55	AV
Middle Channel (5200 MHz)-Above 1G							
Vertical	4592.191	74.59	-20.42	54.17	74.00	-19.83	PK
Vertical	4592.191	59.58	-20.42	39.16	54.00	-14.84	AV
Vertical	10400.128	62.32	-9.30	53.02	68.20	-15.18	PK
Vertical	10400.128	49.44	-9.30	40.14	54.00	-13.86	AV
Vertical	15600.184	60.54	-7.82	52.72	74.00	-21.28	PK
Vertical	15600.184	49.56	-7.82	41.74	54.00	-12.26	AV
Horizontal	4592.137	72.32	-20.42	51.91	74.00	-22.09	PK
Horizontal	4592.137	59.50	-20.42	39.08	54.00	-14.92	AV
Horizontal	10400.011	62.29	-9.30	52.99	68.20	-15.21	PK
Horizontal	10400.011	49.31	-9.30	40.01	54.00	-13.99	AV
Horizontal	15600.048	64.94	-7.82	57.12	74.00	-16.88	PK
Horizontal	15600.048	49.52	-7.82	41.70	54.00	-12.30	AV
High Channel (5240 MHz)-Above 1G							
Vertical	4739.169	73.02	-20.12	52.90	74.00	-21.10	PK
Vertical	4739.169	59.21	-20.12	39.09	54.00	-14.91	AV
Vertical	10480.044	60.87	-9.18	51.69	68.20	-16.51	PK
Vertical	10480.044	49.63	-9.18	40.45	54.00	-13.55	AV
Vertical	15720.152	63.62	-7.78	55.84	74.00	-18.16	PK
Vertical	15720.152	49.63	-7.78	41.85	54.00	-12.15	AV
Horizontal	4739.073	72.30	-20.12	52.18	74.00	-21.82	PK
Horizontal	4739.073	59.28	-20.12	39.16	54.00	-14.84	AV
Horizontal	10480.018	62.02	-9.18	52.84	68.20	-15.36	PK
Horizontal	10480.018	49.29	-9.18	40.11	54.00	-13.89	AV
Horizontal	15720.090	62.08	-7.78	54.30	74.00	-19.70	PK
Horizontal	15720.090	49.03	-7.78	41.25	54.00	-12.75	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.

The worst case is Antenna A

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	4434.153	72.98	-20.73	52.25	68.20	-15.95	PK
Vertical	4434.153	59.14	-20.73	38.41	54.00	-15.59	AV
Vertical	10360.131	63.84	-9.36	54.48	68.20	-13.72	PK
Vertical	10360.131	49.80	-9.36	40.44	54.00	-13.56	AV
Vertical	15540.136	62.58	-7.84	54.74	74.00	-19.26	PK
Vertical	15540.136	49.78	-7.84	41.94	54.00	-12.06	AV
Horizontal	4434.084	72.96	-20.73	52.22	68.20	-15.98	PK
Horizontal	4434.084	59.32	-20.73	38.59	54.00	-15.41	AV
Horizontal	10360.142	63.72	-9.36	54.36	68.20	-13.84	PK
Horizontal	10360.142	49.44	-9.36	40.08	54.00	-13.92	AV
Horizontal	15540.061	63.01	-7.84	55.17	74.00	-18.83	PK
Horizontal	15540.061	49.03	-7.84	41.19	54.00	-12.81	AV
Middle Channel (5200 MHz)-Above 1G							
Vertical	4592.001	72.80	-20.42	52.39	74.00	-21.61	PK
Vertical	4592.001	59.65	-20.42	39.23	54.00	-14.77	AV
Vertical	10400.163	60.51	-9.30	51.21	68.20	-16.99	PK
Vertical	10400.163	49.17	-9.30	39.87	54.00	-14.13	AV
Vertical	15600.143	64.93	-7.82	57.11	74.00	-16.89	PK
Vertical	15600.143	49.30	-7.82	41.48	54.00	-12.52	AV
Horizontal	4592.044	74.07	-20.42	53.66	74.00	-20.34	PK
Horizontal	4592.044	59.44	-20.42	39.02	54.00	-14.98	AV
Horizontal	10400.064	64.87	-9.30	55.57	68.20	-12.63	PK
Horizontal	10400.064	49.49	-9.30	40.19	54.00	-13.81	AV
Horizontal	15600.092	60.74	-7.82	52.92	74.00	-21.08	PK
Horizontal	15600.092	49.20	-7.82	41.38	54.00	-12.62	AV
High Channel (5240 MHz)-Above 1G							
Vertical	4739.035	74.69	-20.12	54.57	74.00	-19.43	PK
Vertical	4739.035	59.85	-20.12	39.73	54.00	-14.27	AV
Vertical	10480.040	63.90	-9.18	54.72	68.20	-13.48	PK
Vertical	10480.040	49.08	-9.18	39.90	54.00	-14.10	AV
Vertical	15720.078	62.67	-7.78	54.89	74.00	-19.11	PK
Vertical	15720.078	49.03	-7.78	41.25	54.00	-12.75	AV
Horizontal	4739.194	70.64	-20.12	50.52	74.00	-23.48	PK
Horizontal	4739.194	59.24	-20.12	39.12	54.00	-14.88	AV
Horizontal	10480.032	63.25	-9.18	54.07	68.20	-14.13	PK
Horizontal	10480.032	49.55	-9.18	40.37	54.00	-13.63	AV
Horizontal	15720.017	63.94	-7.78	56.16	74.00	-17.84	PK
Horizontal	15720.017	49.50	-7.78	41.72	54.00	-12.28	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 is MIMO Mode.

Test Mode:	TX(5.1G) - 802.11n-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	4434.188	70.77	-20.73	50.04	68.20	-18.16	PK
Vertical	4434.188	59.38	-20.73	38.65	54.00	-15.35	AV
Vertical	10380.114	64.19	-9.33	54.86	68.20	-13.34	PK
Vertical	10380.114	49.16	-9.33	39.83	54.00	-14.17	AV
Vertical	15570.064	61.61	-7.83	53.78	74.00	-20.22	PK
Vertical	15570.064	49.59	-7.83	41.76	54.00	-12.24	AV
Horizontal	4434.122	73.49	-20.73	52.75	74.00	-21.25	PK
Horizontal	4434.122	59.74	-20.73	39.01	54.00	-14.99	AV
Horizontal	10380.195	61.79	-9.33	52.46	68.20	-15.74	PK
Horizontal	10380.195	49.40	-9.33	40.07	54.00	-13.93	AV
Horizontal	15570.130	61.31	-7.83	53.48	74.00	-20.52	PK
Horizontal	15570.130	49.64	-7.83	41.81	54.00	-12.19	AV
Middle Channel (5230 MHz)-Above 1G							
Vertical	4739.050	70.46	-20.12	50.34	68.20	-17.86	PK
Vertical	4739.050	59.04	-20.12	38.92	54.00	-15.08	AV
Vertical	10460.182	60.41	-9.21	51.20	68.20	-17.00	PK
Vertical	10460.182	49.59	-9.21	40.38	54.00	-13.62	AV
Vertical	15690.198	61.96	-7.79	54.17	74.00	-19.83	PK
Vertical	15690.198	49.11	-7.79	41.32	54.00	-12.68	AV
Horizontal	4739.090	70.53	-20.12	50.41	68.20	-17.79	PK
Horizontal	4739.090	59.45	-20.12	39.33	54.00	-14.67	AV
Horizontal	10460.121	63.73	-9.21	54.52	68.20	-13.68	PK
Horizontal	10460.121	49.38	-9.21	40.17	54.00	-13.83	AV
Horizontal	15690.092	62.89	-7.79	55.10	74.00	-18.90	PK
Horizontal	15690.092	49.32	-7.79	41.53	54.00	-12.47	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 is MIMO Mode.

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	4434.088	73.89	-20.73	53.15	68.20	-15.05	PK
Vertical	4434.088	59.12	-20.73	38.39	54.00	-15.61	AV
Vertical	10360.075	64.51	-9.36	55.15	68.20	-13.05	PK
Vertical	10360.075	49.07	-9.36	39.71	54.00	-14.29	AV
Vertical	15540.065	61.09	-7.84	53.25	74.00	-20.75	PK
Vertical	15540.065	49.57	-7.84	41.73	54.00	-12.27	AV
Horizontal	4434.096	70.38	-20.73	49.65	68.20	-18.55	PK
Horizontal	4434.096	59.39	-20.73	38.65	54.00	-15.35	AV
Horizontal	10360.014	63.15	-9.36	53.79	68.20	-14.41	PK
Horizontal	10360.014	49.93	-9.36	40.57	54.00	-13.43	AV
Horizontal	15540.182	61.94	-7.84	54.10	74.00	-19.90	PK
Horizontal	15540.182	50.00	-7.84	42.16	54.00	-11.84	AV
Middle Channel (5200 MHz)-Above 1G							
Vertical	4592.077	74.45	-20.42	54.04	74.00	-19.96	PK
Vertical	4592.077	59.65	-20.42	39.23	54.00	-14.77	AV
Vertical	10400.055	64.02	-9.30	54.72	68.20	-13.48	PK
Vertical	10400.055	49.06	-9.30	39.76	54.00	-14.24	AV
Vertical	15600.060	60.10	-7.82	52.28	74.00	-21.72	PK
Vertical	15600.060	49.61	-7.82	41.79	54.00	-12.21	AV
Horizontal	4592.047	70.84	-20.42	50.43	74.00	-23.57	PK
Horizontal	4592.047	59.31	-20.42	38.90	54.00	-15.10	AV
Horizontal	10400.084	61.23	-9.30	51.93	68.20	-16.27	PK
Horizontal	10400.084	49.41	-9.30	40.11	54.00	-13.89	AV
Horizontal	15600.075	60.66	-7.82	52.84	74.00	-21.16	PK
Horizontal	15600.075	49.57	-7.82	41.75	54.00	-12.25	AV
High Channel (5240 MHz)-Above 1G							
Vertical	4739.012	74.32	-20.12	54.19	74.00	-19.81	PK
Vertical	4739.012	59.43	-20.12	39.31	54.00	-14.69	AV
Vertical	10480.049	60.26	-9.18	51.08	68.20	-17.12	PK
Vertical	10480.049	49.67	-9.18	40.49	54.00	-13.51	AV
Vertical	15720.132	61.92	-7.78	54.14	74.00	-19.86	PK
Vertical	15720.132	49.14	-7.78	41.36	54.00	-12.64	AV
Horizontal	4739.080	71.64	-20.12	51.52	74.00	-22.48	PK
Horizontal	4739.080	59.03	-20.12	38.91	54.00	-15.09	AV
Horizontal	10480.030	61.26	-9.18	52.08	68.20	-16.12	PK
Horizontal	10480.030	49.13	-9.18	39.95	54.00	-14.05	AV
Horizontal	15720.080	61.13	-7.78	53.35	74.00	-20.65	PK
Horizontal	15720.080	49.42	-7.78	41.64	54.00	-12.36	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 is MIMO Mode.

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	4434.163	71.57	-20.73	50.83	68.20	-17.37	PK
Vertical	4434.163	59.92	-20.73	39.19	54.00	-14.81	AV
Vertical	10380.190	64.17	-9.33	54.84	68.20	-13.36	PK
Vertical	10380.190	49.84	-9.33	40.51	54.00	-13.49	AV
Vertical	15570.054	61.56	-7.83	53.73	74.00	-20.27	PK
Vertical	15570.054	49.89	-7.83	42.06	54.00	-11.94	AV
Horizontal	4434.144	72.14	-20.73	51.41	74.00	-22.59	PK
Horizontal	4434.144	59.76	-20.73	39.03	54.00	-14.97	AV
Horizontal	10380.087	62.03	-9.33	52.70	68.20	-15.50	PK
Horizontal	10380.087	49.52	-9.33	40.19	54.00	-13.81	AV
Horizontal	15570.097	61.15	-7.83	53.32	74.00	-20.68	PK
Horizontal	15570.097	49.60	-7.83	41.77	54.00	-12.23	AV
Middle Channel (5230 MHz)-Above 1G							
Vertical	4739.181	72.88	-20.12	52.76	68.20	-15.44	PK
Vertical	4739.181	59.87	-20.12	39.75	54.00	-14.25	AV
Vertical	10460.192	64.79	-9.21	55.58	68.20	-12.62	PK
Vertical	10460.192	49.98	-9.21	40.77	54.00	-13.23	AV
Vertical	15690.058	61.42	-7.79	53.63	74.00	-20.37	PK
Vertical	15690.058	49.65	-7.79	41.86	54.00	-12.14	AV
Horizontal	4739.123	73.52	-20.12	53.40	68.20	-14.80	PK
Horizontal	4739.123	59.90	-20.12	39.78	54.00	-14.22	AV
Horizontal	10460.059	62.58	-9.21	53.37	68.20	-14.83	PK
Horizontal	10460.059	49.47	-9.21	40.26	54.00	-13.74	AV
Horizontal	15690.193	62.18	-7.79	54.39	74.00	-19.61	PK
Horizontal	15690.193	49.93	-7.79	42.14	54.00	-11.86	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 is MIMO Mode.

Test Mode:	TX(5.1G) - 802.11ac 80
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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 (5210 MHz)-Above 1G							
Vertical	4434.095	70.30	-20.73	49.57	68.20	-18.63	PK
Vertical	4434.095	59.34	-20.73	38.61	54.00	-15.39	AV
Vertical	10420.079	60.68	-9.27	51.41	68.20	-16.79	PK
Vertical	10420.079	49.25	-9.27	39.98	54.00	-14.02	AV
Vertical	15630.082	62.23	-7.81	54.42	74.00	-19.58	PK
Vertical	15630.082	49.20	-7.81	41.39	54.00	-12.61	AV
Horizontal	4434.181	74.79	-20.73	54.06	68.20	-14.14	PK
Horizontal	4434.181	59.09	-20.73	38.35	54.00	-15.65	AV
Horizontal	10420.153	44.15	9.27	53.42	68.20	-14.78	PK
Horizontal	10420.153	29.82	9.27	39.09	54.00	-14.91	AV
Horizontal	15630.094	61.40	-7.81	53.59	74.00	-20.41	PK
Horizontal	15630.094	49.05	-7.81	41.24	54.00	-12.76	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 is MIMO Mode.

Test Mode:	TX (5.8G) -- 802.11a
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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	4679.002	73.02	-20.24	52.78	74.00	-21.22	PK
Vertical	4679.002	59.72	-20.24	39.48	54.00	-14.52	AV
Vertical	11490.109	62.28	-8.79	53.49	68.20	-14.71	PK
Vertical	11490.109	49.43	-8.79	40.64	54.00	-13.36	AV
Vertical	17235.175	55.09	-3.18	51.91	68.20	-16.29	PK
Vertical	17235.175	44.31	-3.18	41.13	54.00	-12.87	AV
Horizontal	4679.073	73.24	-20.73	52.51	74.00	-21.49	PK
Horizontal	4679.073	59.64	-20.73	38.91	54.00	-15.09	AV
Horizontal	11490.191	60.14	-8.79	51.35	68.20	-16.85	PK
Horizontal	11490.191	49.44	-8.79	40.65	54.00	-13.35	AV
Horizontal	17235.028	55.69	-3.18	52.51	68.20	-15.69	PK
Horizontal	17235.028	44.39	-3.18	41.21	54.00	-12.79	AV
Middle Channel (5785 MHz)-Above 1G							
Vertical	4592.178	71.02	-20.42	50.60	74.00	-23.40	PK
Vertical	4592.178	59.22	-20.42	38.80	54.00	-15.20	AV
Vertical	11570.010	64.84	-8.86	55.98	68.20	-12.22	PK
Vertical	11570.010	49.48	-8.86	40.62	54.00	-13.38	AV
Vertical	17355.041	55.10	-2.52	52.58	68.20	-15.62	PK
Vertical	17355.041	44.28	-2.52	41.76	54.00	-12.24	AV
Horizontal	4592.085	70.79	-20.42	50.37	74.00	-23.63	PK
Horizontal	4592.085	59.42	-20.42	39.00	54.00	-15.00	AV
Horizontal	11570.079	61.93	-8.86	53.07	68.20	-15.13	PK
Horizontal	11570.079	49.18	-8.86	40.32	54.00	-13.68	AV
Horizontal	17355.047	58.86	-2.52	56.34	68.20	-11.86	PK
Horizontal	17355.047	44.30	-2.52	41.78	54.00	-12.22	AV
High Channel (5825 MHz)-Above 1G							
Vertical	6039.001	71.48	-18.93	52.55	68.20	-15.65	PK
Vertical	6039.001	59.51	-18.93	40.58	54.00	-13.42	AV
Vertical	11650.043	62.61	-8.92	53.69	74.00	-20.31	PK
Vertical	11650.043	49.75	-8.92	40.83	54.00	-13.17	AV
Vertical	17475.128	59.91	-1.86	58.05	68.20	-10.15	PK
Vertical	17475.128	44.34	-1.86	42.48	54.00	-11.52	AV
Horizontal	6039.168	70.12	-18.93	51.19	68.20	-17.01	PK
Horizontal	6039.168	59.30	-18.93	40.37	54.00	-13.63	AV
Horizontal	11650.035	62.86	-8.92	53.94	74.00	-20.06	PK
Horizontal	11650.035	49.86	-8.92	40.94	54.00	-13.06	AV
Horizontal	17475.076	57.55	-1.86	55.69	68.20	-12.51	PK
Horizontal	17475.076	44.99	-1.86	43.13	54.00	-10.87	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.

The worst case is Antenna A

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

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	4679.009	74.91	-20.24	54.67	74.00	-19.33	PK
Vertical	4679.009	59.58	-20.24	39.34	54.00	-14.66	AV
Vertical	11490.089	63.46	-8.79	54.67	68.20	-13.53	PK
Vertical	11490.089	49.34	-8.79	40.55	54.00	-13.45	AV
Vertical	17235.067	58.23	-3.18	55.05	68.20	-13.15	PK
Vertical	17235.067	44.11	-3.18	40.93	54.00	-13.07	AV
Horizontal	4679.111	74.59	-20.24	54.35	74.00	-19.65	PK
Horizontal	4679.111	59.94	-20.24	39.70	54.00	-14.30	AV
Horizontal	11490.087	63.18	-8.79	54.39	68.20	-13.81	PK
Horizontal	11490.087	49.34	-8.79	40.55	54.00	-13.45	AV
Horizontal	17235.042	56.71	-3.18	53.53	68.20	-14.67	PK
Horizontal	17235.042	44.61	-3.18	41.43	54.00	-12.57	AV
Middle Channel (5785 MHz)-Above 1G							
Vertical	4592.122	73.02	-20.42	52.60	74.00	-21.40	PK
Vertical	4592.122	59.40	-20.42	38.98	54.00	-15.02	AV
Vertical	11570.158	61.58	-8.86	52.72	68.20	-15.48	PK
Vertical	11570.158	49.76	-8.86	40.90	54.00	-13.10	AV
Vertical	17355.081	59.44	-2.52	56.92	68.20	-11.28	PK
Vertical	17355.081	44.16	-2.52	41.64	54.00	-12.36	AV
Horizontal	4592.189	70.56	-20.42	50.14	74.00	-23.86	PK
Horizontal	4592.189	59.08	-20.42	38.66	54.00	-15.34	AV
Horizontal	11570.096	60.24	-8.86	51.38	68.20	-16.82	PK
Horizontal	11570.096	49.62	-8.86	40.76	54.00	-13.24	AV
Horizontal	17355.101	58.92	-2.52	56.40	68.20	-11.80	PK
Horizontal	17355.101	44.14	-2.52	41.62	54.00	-12.38	AV
High Channel (5825 MHz)-Above 1G							
Vertical	6039.022	70.11	-18.93	51.18	68.20	-17.02	PK
Vertical	6039.022	59.06	-18.93	40.13	54.00	-13.87	AV
Vertical	11650.141	63.63	-8.92	54.71	74.00	-19.29	PK
Vertical	11650.141	49.51	-8.92	40.59	54.00	-13.41	AV
Vertical	17475.035	55.51	-1.86	53.65	68.20	-14.55	PK
Vertical	17475.035	44.79	-1.86	42.93	54.00	-11.07	AV
Horizontal	6039.154	72.19	-18.93	53.26	68.20	-14.94	PK
Horizontal	6039.154	59.73	-18.93	40.80	54.00	-13.20	AV
Horizontal	11650.172	61.06	-8.92	52.14	74.00	-21.86	PK
Horizontal	11650.172	49.83	-8.92	40.91	54.00	-13.09	AV
Horizontal	17475.082	58.19	-1.86	56.33	68.20	-11.87	PK
Horizontal	17475.082	44.67	-1.86	42.81	54.00	-11.19	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).

Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

Test Mode is MIMO Mode.

Test Mode:	TX (5.8G) -- 802.11n-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 (5755 MHz)-Above 1G							
Vertical	4679.048	71.07	-20.24	50.83	74.00	-23.17	PK
Vertical	4679.048	59.11	-20.24	38.87	54.00	-15.13	AV
Vertical	11510.173	61.53	-8.81	52.72	74.00	-21.28	PK
Vertical	11510.173	49.76	-8.81	40.95	54.00	-13.05	AV
Vertical	17265.167	59.99	-3.01	56.98	68.20	-11.22	PK
Vertical	17265.167	44.83	-3.01	41.82	54.00	-12.18	AV
Horizontal	4679.018	72.97	-20.24	52.73	74.00	-21.27	PK
Horizontal	4679.018	59.83	-20.24	39.59	54.00	-14.41	AV
Horizontal	11510.010	61.39	-8.81	52.58	74.00	-21.42	PK
Horizontal	11510.010	49.29	-8.81	40.48	54.00	-13.52	AV
Horizontal	17265.043	55.85	-3.01	52.84	68.20	-15.36	PK
Horizontal	17265.043	44.62	-3.01	41.61	54.00	-12.39	AV
Middle Channel (5795 MHz)-Above 1G							
Vertical	6039.000	72.89	-18.93	53.96	68.20	-14.24	PK
Vertical	6039.000	59.77	-18.93	40.84	54.00	-13.16	AV
Vertical	11590.156	64.96	-8.87	56.09	74.00	-17.91	PK
Vertical	11590.156	49.03	-8.87	40.16	54.00	-13.84	AV
Vertical	17385.161	58.06	-2.35	55.71	68.20	-12.49	PK
Vertical	17385.161	44.29	-2.35	41.94	54.00	-12.06	AV
Horizontal	6039.171	73.29	-18.93	54.36	68.20	-13.84	PK
Horizontal	6039.171	59.64	-18.93	40.71	54.00	-13.29	AV
Horizontal	11590.176	60.53	-8.87	51.66	74.00	-22.34	PK
Horizontal	11590.176	49.94	-8.87	41.07	54.00	-12.93	AV
Horizontal	17385.096	59.80	-2.35	57.45	68.20	-10.75	PK
Horizontal	17385.096	44.78	-2.35	42.43	54.00	-11.57	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 is MIMO Mode.

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

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	4679.108	72.72	-20.24	52.48	74.00	-21.52	PK
Vertical	4679.108	59.42	-20.24	39.17	54.00	-14.83	AV
Vertical	11490.199	64.88	-8.79	56.09	68.20	-12.11	PK
Vertical	11490.199	49.64	-8.79	40.85	54.00	-13.15	AV
Vertical	17235.159	58.96	-3.18	55.78	68.20	-12.42	PK
Vertical	17235.159	44.40	-3.18	41.22	54.00	-12.78	AV
Horizontal	4679.149	73.37	-20.24	53.13	74.00	-20.87	PK
Horizontal	4679.149	59.38	-20.24	39.14	54.00	-14.86	AV
Horizontal	11490.160	60.25	-8.79	51.46	68.20	-16.74	PK
Horizontal	11490.160	49.72	-8.79	40.93	54.00	-13.07	AV
Horizontal	17235.096	56.57	-3.18	53.39	68.20	-14.81	PK
Horizontal	17235.096	44.95	-3.18	41.77	54.00	-12.23	AV
Middle Channel (5785 MHz)-Above 1G							
Vertical	4592.050	73.29	-20.42	52.87	74.00	-21.13	PK
Vertical	4592.050	59.05	-20.42	38.63	54.00	-15.37	AV
Vertical	11570.133	63.37	-8.86	54.51	68.20	-13.69	PK
Vertical	11570.133	49.25	-8.86	40.39	54.00	-13.61	AV
Vertical	17355.065	59.38	-2.52	56.86	68.20	-11.34	PK
Vertical	17355.065	44.29	-2.52	41.77	54.00	-12.23	AV
Horizontal	4592.161	74.33	-20.42	53.91	74.00	-20.09	PK
Horizontal	4592.161	59.61	-20.42	39.19	54.00	-14.81	AV
Horizontal	11570.005	63.27	-8.86	54.41	68.20	-13.79	PK
Horizontal	11570.005	49.92	-8.86	41.06	54.00	-12.94	AV
Horizontal	17355.045	59.81	-2.52	57.29	68.20	-10.91	PK
Horizontal	17355.045	44.93	-2.52	42.41	54.00	-11.59	AV
High Channel (5825 MHz)-Above 1G							
Vertical	6039.136	73.74	-18.93	54.81	68.20	-13.39	PK
Vertical	6039.136	59.65	-18.93	40.71	54.00	-13.29	AV
Vertical	11650.119	61.78	-8.92	52.86	74.00	-21.14	PK
Vertical	11650.119	49.46	-8.92	40.54	54.00	-13.46	AV
Vertical	17475.191	59.75	-1.86	57.89	68.20	-10.31	PK
Vertical	17475.191	44.75	-1.86	42.89	54.00	-11.11	AV
Horizontal	6039.028	70.79	-18.93	51.86	68.20	-16.34	PK
Horizontal	6039.028	59.58	-18.93	40.65	54.00	-13.35	AV
Horizontal	11650.096	63.22	-8.92	54.30	74.00	-19.70	PK
Horizontal	11650.096	49.02	-8.92	40.10	54.00	-13.90	AV
Horizontal	17475.155	55.41	-1.86	53.55	68.20	-14.65	PK
Horizontal	17475.155	44.13	-1.86	42.27	54.00	-11.73	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 is MIMO Mode.

Test Mode :	TX (5.8G) -- 802.11ac-HT40
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Polar (H/V)	Frequency (MHz)	Reading Level (dBuV/m)	Correct Factor (dB)	Measure- ment (dBuV/m)	Limits (dBuV/m)	Over (dB)	Detector Type
Low Channel (5755 MHz)-Above 1G							
Vertical	4679.092	71.79	-20.24	51.55	74.00	-22.45	PK
Vertical	4679.092	59.99	-20.24	39.74	54.00	-14.26	AV
Vertical	11510.041	63.80	-8.81	54.99	74.00	-19.01	PK
Vertical	11510.041	49.29	-8.81	40.48	54.00	-13.52	AV
Vertical	17265.045	55.85	-3.01	52.84	68.20	-15.36	PK
Vertical	17265.045	44.19	-3.01	41.18	54.00	-12.82	AV
Horizontal	4679.007	73.05	-20.24	52.81	74.00	-21.19	PK
Horizontal	4679.007	59.64	-20.24	39.39	54.00	-14.61	AV
Horizontal	11510.126	60.09	-8.81	51.28	74.00	-22.72	PK
Horizontal	11510.126	49.64	-8.81	40.83	54.00	-13.17	AV
Horizontal	17265.183	57.38	-3.01	54.37	68.20	-13.83	PK
Horizontal	17265.183	44.86	-3.01	41.85	54.00	-12.15	AV
Middle Channel (5795 MHz)-Above 1G							
Vertical	6039.096	74.40	-18.93	55.47	68.20	-12.73	PK
Vertical	6039.096	59.27	-18.93	40.34	54.00	-13.66	AV
Vertical	11590.171	64.24	-8.87	55.37	74.00	-18.63	PK
Vertical	11590.171	49.61	-8.87	40.74	54.00	-13.26	AV
Vertical	17385.096	57.69	-2.35	55.34	68.20	-12.86	PK
Vertical	17385.096	44.50	-2.35	42.15	54.00	-11.85	AV
Horizontal	6039.113	74.06	-18.93	55.13	68.20	-13.07	PK
Horizontal	6039.113	59.66	-18.93	40.73	54.00	-13.27	AV
Horizontal	11590.128	61.35	-8.87	52.48	74.00	-21.52	PK
Horizontal	11590.128	49.01	-8.87	40.14	54.00	-13.86	AV
Horizontal	17385.081	59.04	-2.35	56.69	68.20	-11.51	PK
Horizontal	17385.081	44.09	-2.35	41.74	54.00	-12.26	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).
Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.
Test Mode is MIMO Mode.

Test Mode :	TX (5.8G) -- 802.11ac 80
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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 (5775 MHz)-Above 1G							
Vertical	4679.053	70.14	-20.24	49.90	74.00	-24.10	PK
Vertical	4679.053	59.14	-20.24	38.89	54.00	-15.11	AV
Vertical	11550.164	61.73	-8.84	52.89	74.00	-21.11	PK
Vertical	11550.164	49.30	-8.84	40.46	54.00	-13.54	AV
Vertical	17325.172	58.82	-2.68	56.14	68.20	-12.06	PK
Vertical	17325.172	44.80	-2.68	42.12	54.00	-11.88	AV
Horizontal	4679.112	72.42	-20.24	52.18	74.00	-21.82	PK
Horizontal	4679.112	59.43	-20.24	39.19	54.00	-14.81	AV
Horizontal	11550.043	62.13	-8.84	53.29	74.00	-20.71	PK
Horizontal	11550.043	49.95	-8.84	41.11	54.00	-12.89	AV
Horizontal	17325.009	56.56	-2.68	53.88	68.20	-14.32	PK
Horizontal	17325.009	44.56	-2.68	41.88	54.00	-12.12	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 is MIMO Mode.

TC
BC
PPR
Report

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 $RBW \geq 1/T$, 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

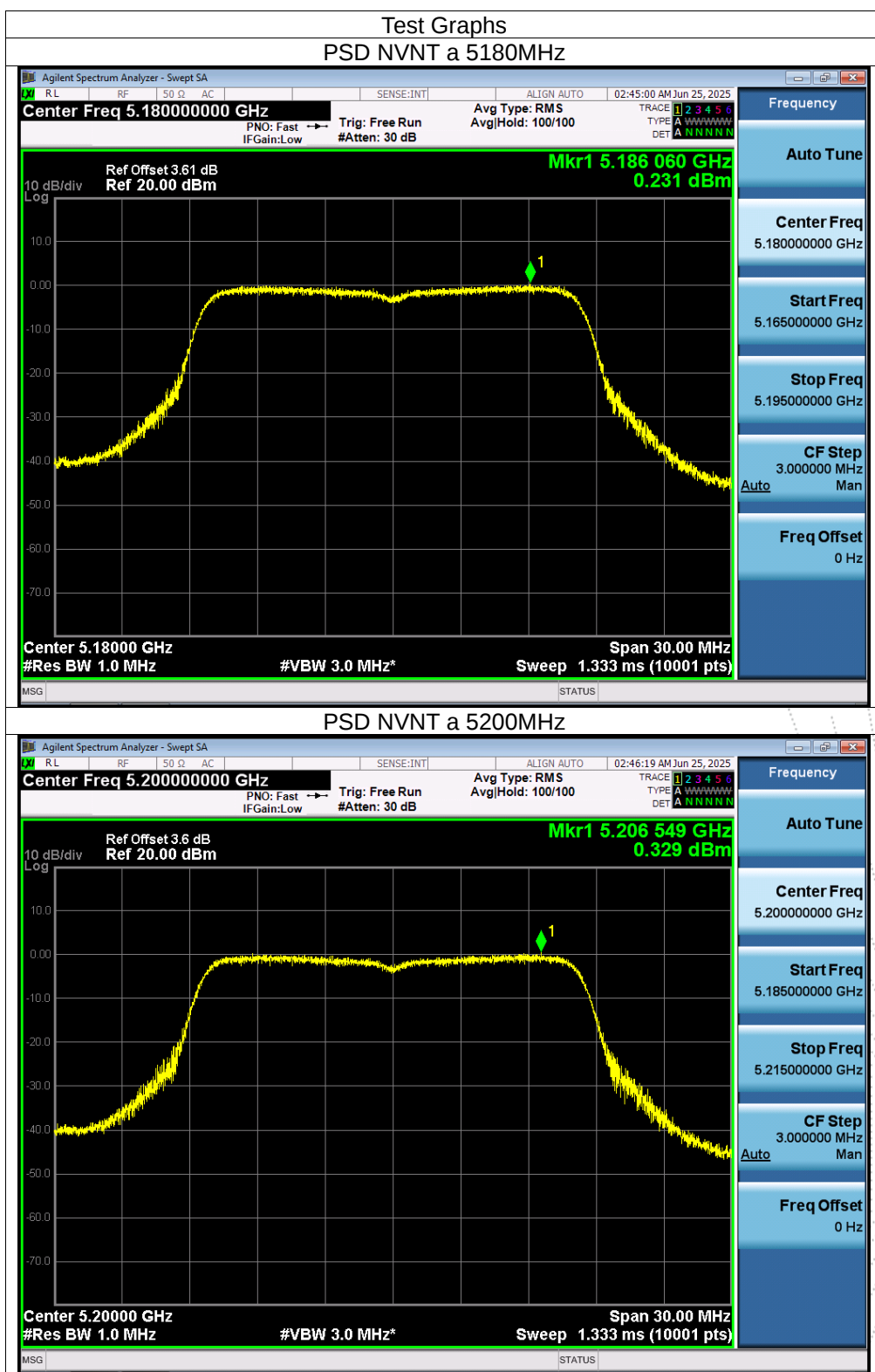
The EUT was configured for testing in a typical fashion (as a customer would normally use it). The EUT has been programmed to continuously transmit during test. This operating condition was tested and used to collect the included data.

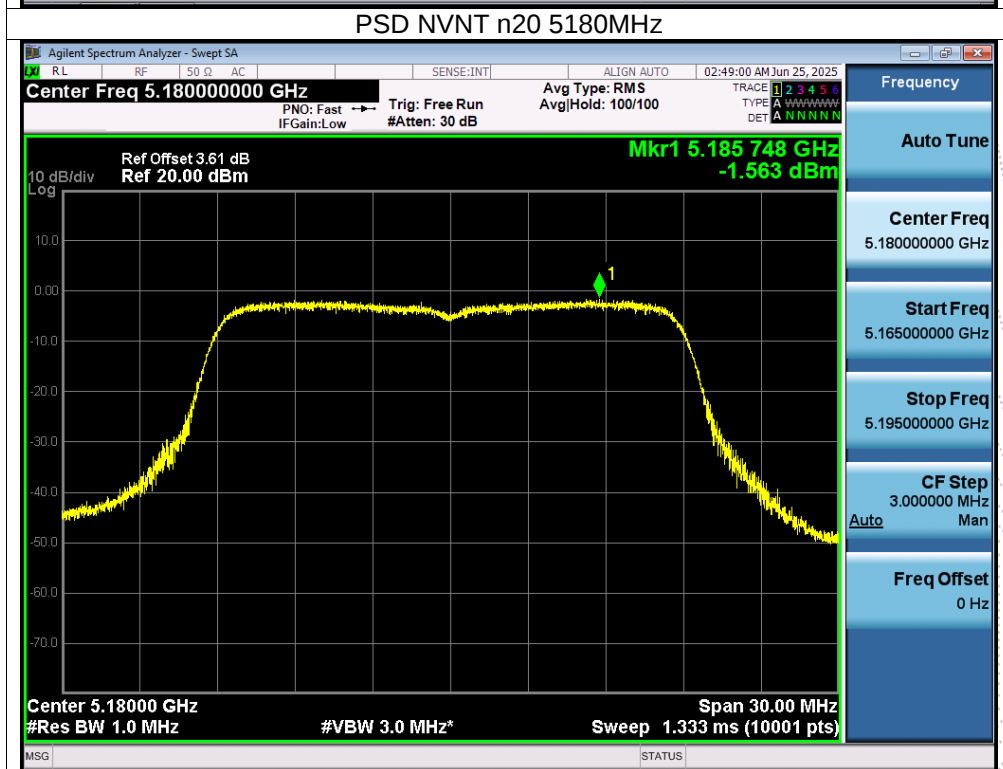
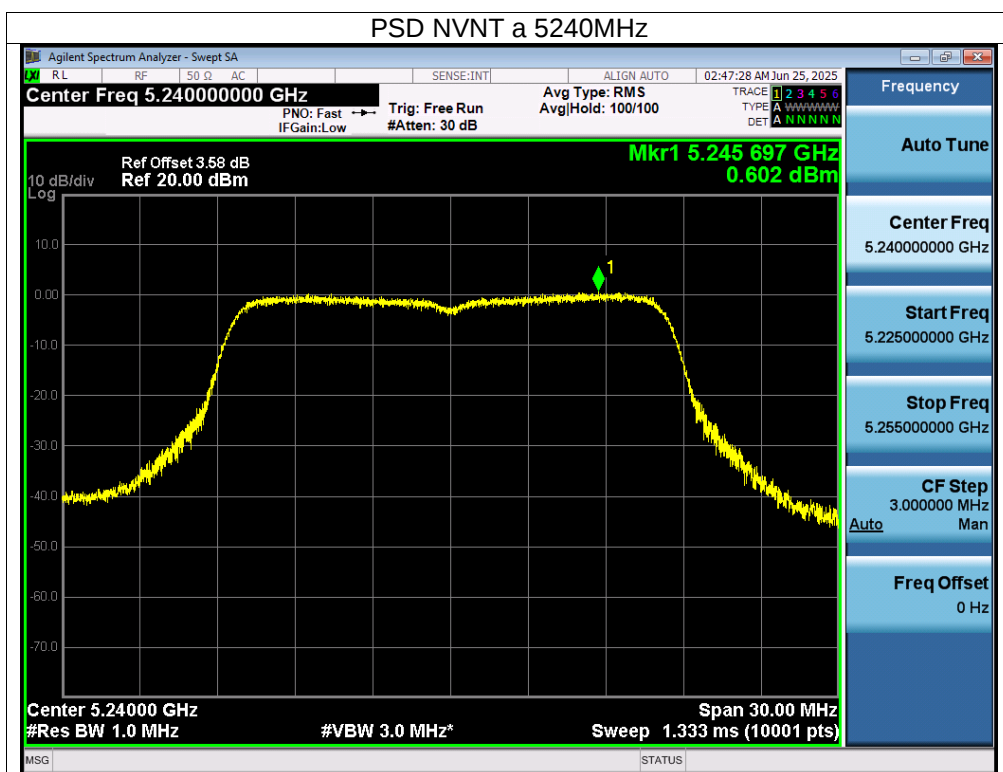
8.5 Test Result

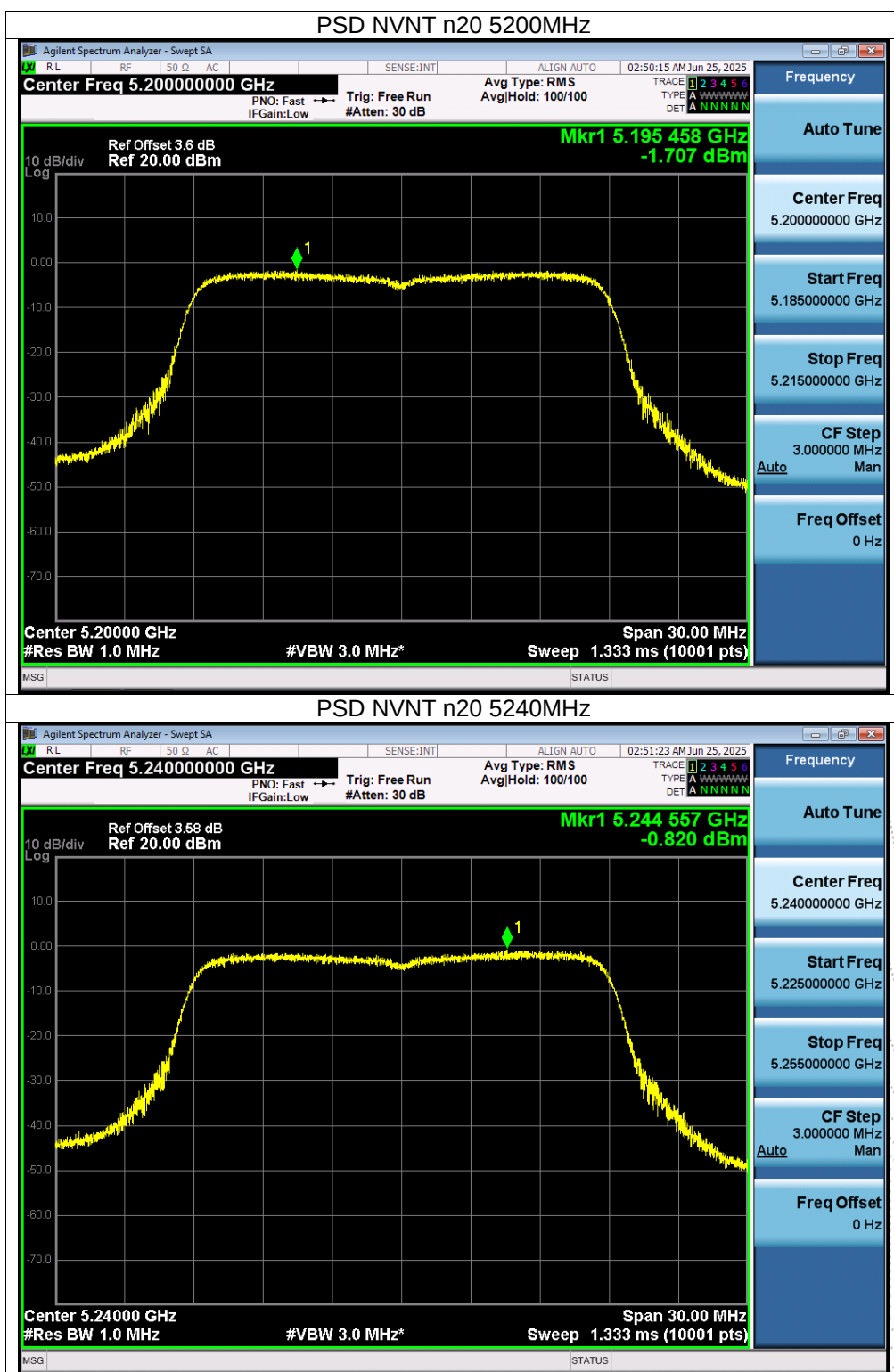
Temperature:	26 °C	Relative Humidity:	54%RH
Pressure:	101kPa	Test Voltage:	DC 11.4V
Test Mode:	TX Frequency U-NII-1 (5180-5240MHz)		

Condition	Mode	Frequency (MHz)	Conducted PSD (dBm/MHz)			Limit (dBm/MHz)	Result
			ANT A	ANT B	Total		
NVNT	a	5180	-0.12	0.23	/	11	PASS
NVNT	a	5200	0.46	0.33	/	11	PASS
NVNT	a	5240	0.26	0.60	/	11	PASS
NVNT	n20	5180	-1.48	-1.56	1.49	11	PASS
NVNT	n20	5200	-1.72	-1.71	1.30	11	PASS
NVNT	n20	5240	-1.35	-0.82	1.93	11	PASS
NVNT	n40	5190	-6.20	-6.59	-3.38	11	PASS
NVNT	n40	5230	-5.43	-5.18	-2.29	11	PASS
NVNT	ac20	5180	-1.50	-1.58	1.47	11	PASS
NVNT	ac20	5200	-0.94	-1.84	1.64	11	PASS
NVNT	ac20	5240	-1.46	-1.05	1.76	11	PASS
NVNT	ac40	5190	-6.49	-6.56	-3.51	11	PASS
NVNT	ac40	5230	-5.23	-5.12	-2.16	11	PASS
NVNT	ac80	5210	-9.22	-9.29	-6.24	11	PASS

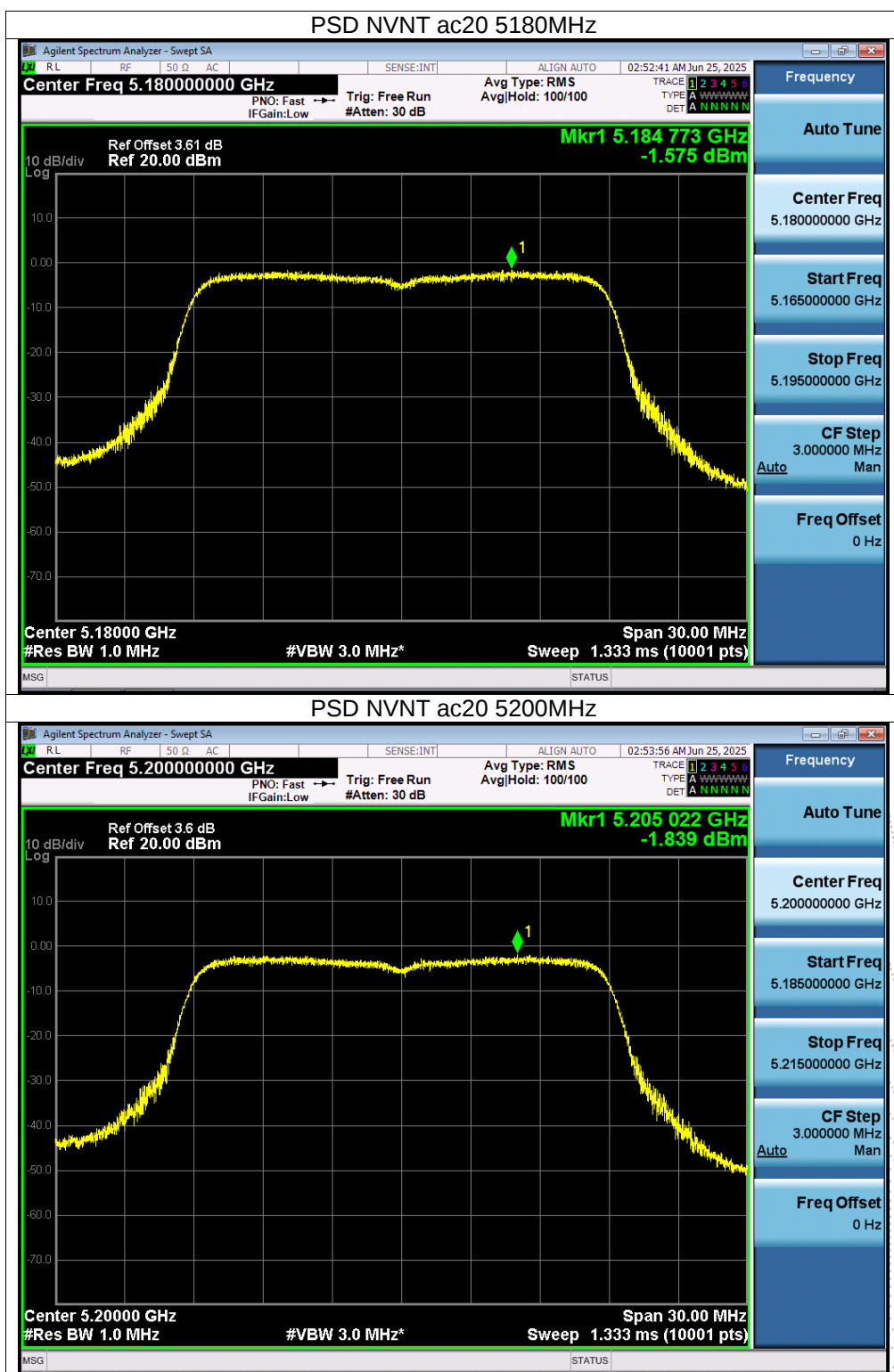
Note: A(B) Represent the value of antenna A and B, The worst data is Antenna B, only shown Antenna B Plot.

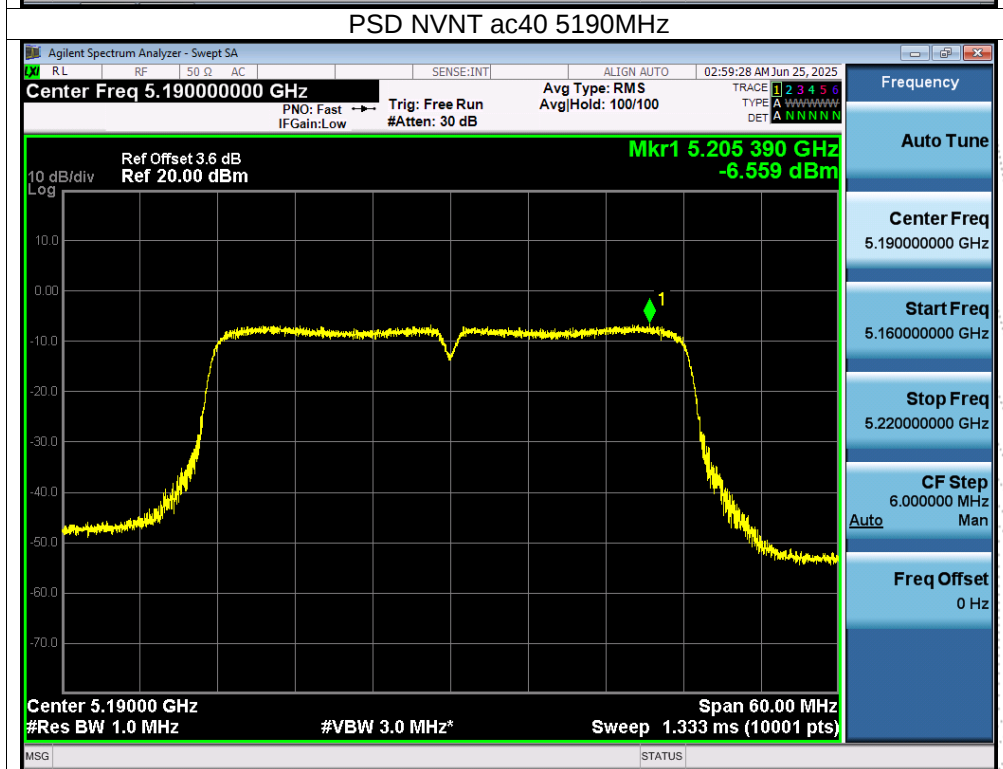
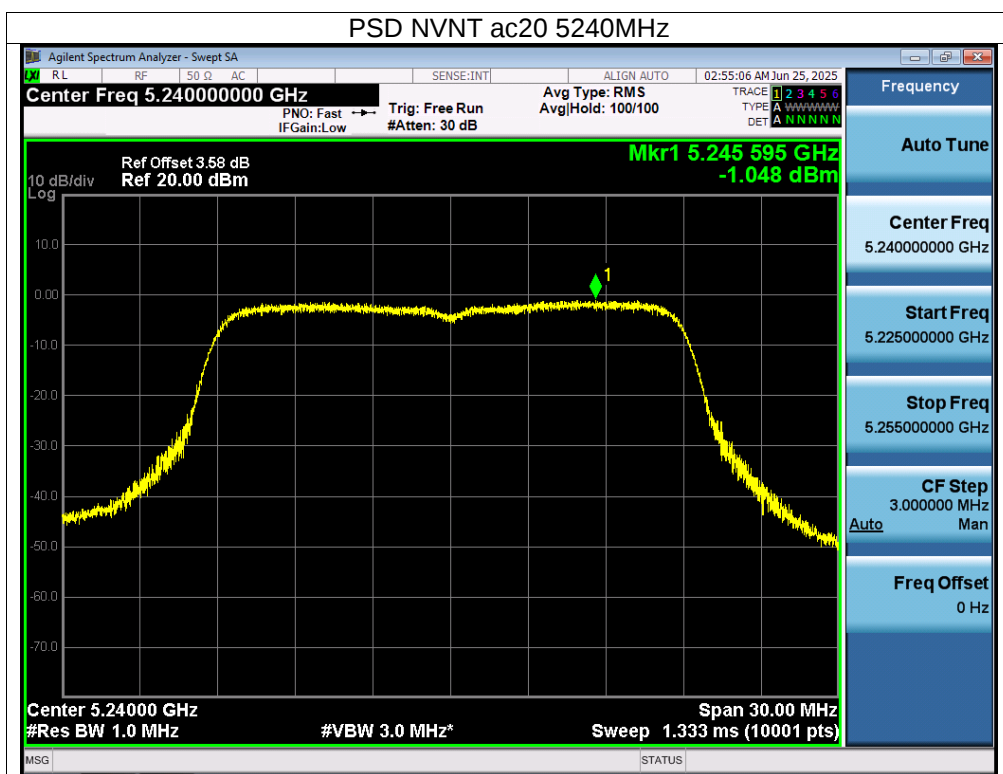


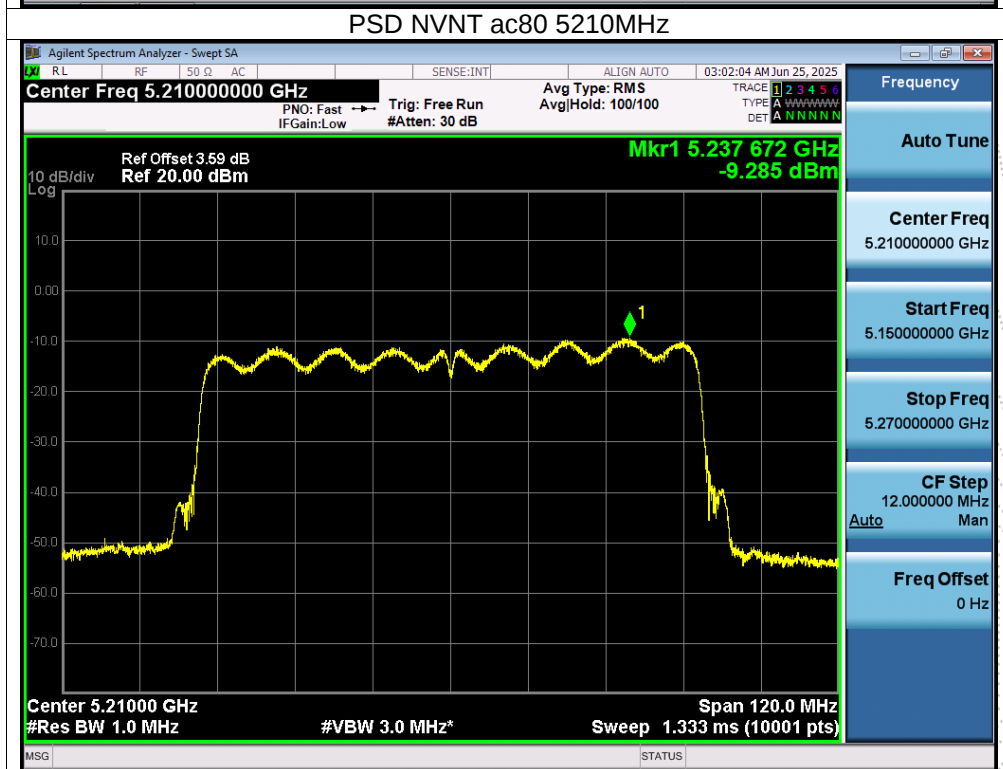
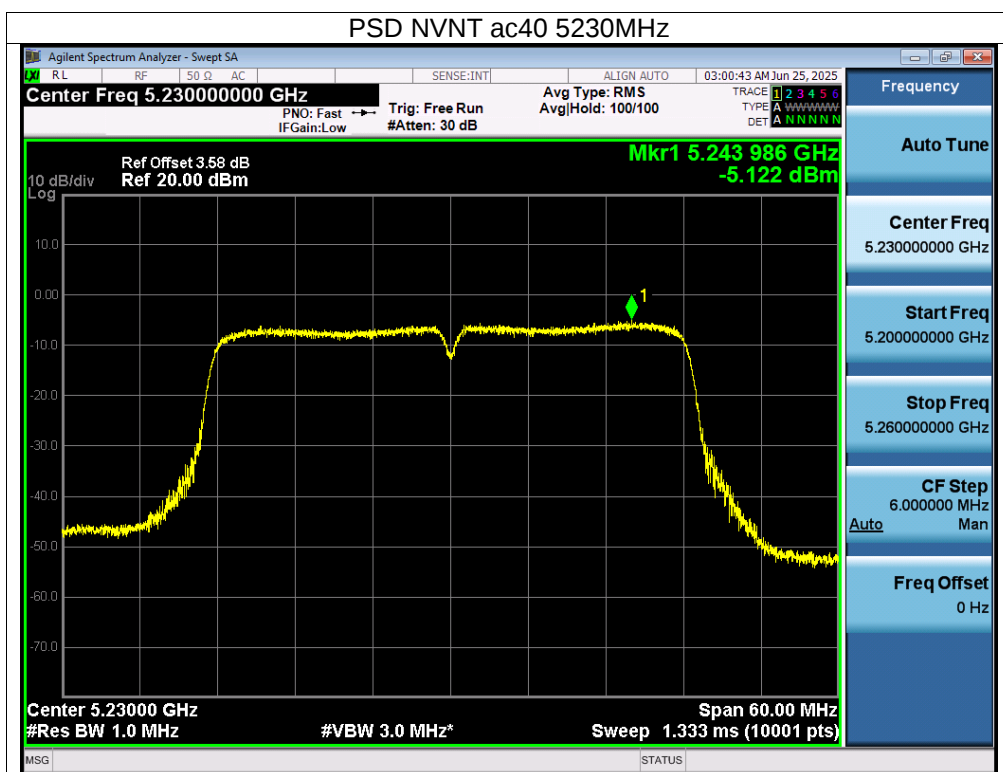












Temperature:	26 °C	Relative Humidity:	54%RH
Pressure:	101kPa	Test Voltage:	DC 11.4V
Test Mode:	TX Frequency U-NII-3 (5745-5825MHz)		

Condition	Mode	Frequency (MHz)	Conducted PSD (dBm/MHz)			Limit (dBm/MHz)	Result
			ANT A	ANT B	Total		
NVNT	a	5745	-7.62	-7.93	/	30	PASS
NVNT	a	5785	-8.37	-8.68	/	30	PASS
NVNT	a	5825	-9.10	-9.60	/	30	PASS
NVNT	n20	5745	-9.07	-9.57	-6.30	30	PASS
NVNT	n20	5785	-9.29	-9.85	-6.55	30	PASS
NVNT	n20	5825	-10.65	-10.96	-7.79	30	PASS
NVNT	n40	5755	-13.00	-13.24	-10.11	30	PASS
NVNT	n40	5795	-13.90	-13.68	-10.78	30	PASS
NVNT	ac20	5745	-8.58	-9.38	-5.95	30	PASS
NVNT	ac20	5785	-9.79	-9.49	-6.63	30	PASS
NVNT	ac20	5825	-10.55	-11.03	-7.77	30	PASS
NVNT	ac40	5755	-13.04	-13.27	-10.14	30	PASS
NVNT	ac40	5795	-13.75	-13.33	-10.52	30	PASS
NVNT	ac80	5775	-16.45	-16.50	-13.46	30	PASS

Note: A(B) Represent the value of antenna A and B, The worst data is Antenna A, only shown Antenna A Plot.

