

TEST REPORT

Report No.: BCTC2409322056-4E

Applicant: Acer India PVT Limited

Product Name: Laptop

Test Model: Aspire 3 A325-53, Aspire 3 A325-51

Tested Date: 2024-03-22 to 2024-04-17
2024-09-19 to 2024-09-29

Issued Date: 2024-10-08

Shenzhen BCTC Testing Co., Ltd.



FCC ID: 2A94K-A325-51

Product Name: Laptop

Trademark: 

Model/Type reference: Aspire 3 A325-53, Aspire 3 A325-51

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: RS No.38/2, Sedarapet Village Villianur Commune, Pondicherry-605111

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: 2024-03-22

Sample tested Date: 2024-09-18

Issue Date: 2024-03-22 to 2024-04-17

Report No.: 2024-09-19 to 2024-09-29

Test Standards: 2024-10-08

Test Results: BCTC2409322056-4E

FCC Part15 15.407

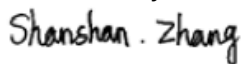
ANSI C63.10-2013

KDB 662911 D01 v02r01

KDB 789033 D02 v02r01

PASS

Tested by:



Shanshan. Zhang / 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.

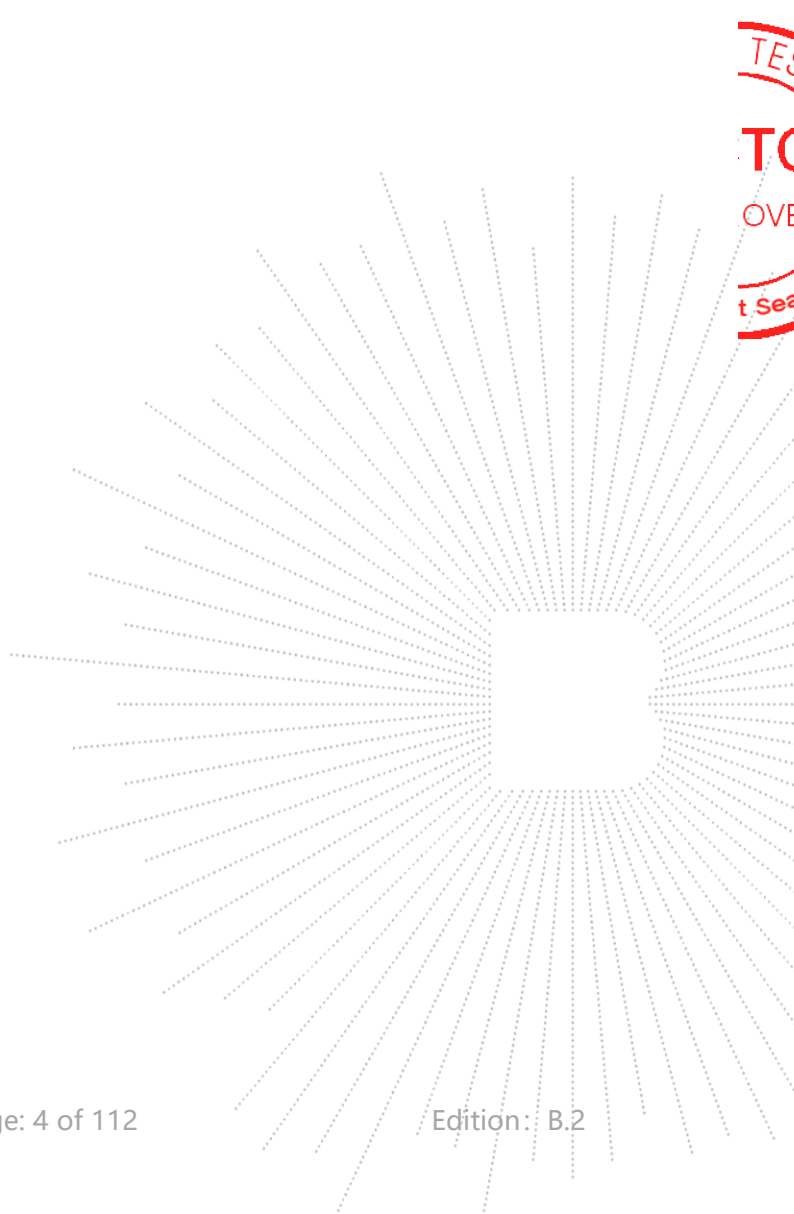
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(Note: N/A Means Not Applicable)

1. Version

Report No.	Issue Date	Description	Approved
BCTC2409322056-4E	2024-10-08	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

Remark:

1. PASS*: Please refer to the original report BCTC2403806317-4E.

2. Based on the following changes in the product, the RF chip remains unchanged. (updated the model number and add CPU model)

So the report is only updated Models, Conducted emissions and Radiated Emissions for the original report (BCTC2403806317-4E).

3. For model "Aspire 3 A325-51", the test data please refer to the original report.

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°C

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4. Product Information And Test Setup

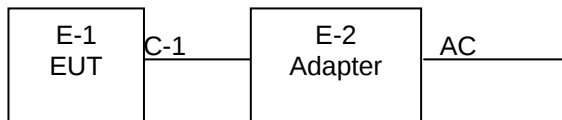
4.1 Product Information

Model/Type reference:	Aspire 3 A325-53, Aspire 3 A325-51
Model differences:	All the models are the same circuit and RF module, except model names and CPU model.
Hardware Version:	TU141AL REV: 2.1A
Software Version:	Windows 11 Home 22H2
IEEE 802.11 WLAN Mode Supported	802.11a/n/ac/ax(20MHz channel bandwidth) 802.11n/ac/ax(40MHz channel bandwidth) 802.11ac/ax(80MHz channel bandwidth)
Operation Frequency:	5180-5240MHz for 802.11a/n/ax(HT20); 5190-5230MHz for 802.11n/ax(HT40); 5210MHz for 802.11 ac/ax80; 5745-5825 MHz for 802.11a/n/ax(HT20); 5755-5795 MHz for 802.11n/ax(HT40); 5775MHz for 802.11 ac/ax80;
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 802.11ax (HE 20/HE 40/HE 80): MCS0~MCS11
Type of Modulation:	OFDM with BPSK/QPSK/16QAM/64QAM for 802.11a/n OFDM with BPSK/QPSK/16QAM/64QAM/256QAM for 802.11ac OFDMA with BPSK / BPSK_DCM /QPSK /QPSK_DCM /QAM16 /QAM16_DCM /QAM64 /QAM256 /QAM1024 for 802.11ax
Number Of Channel	4 channels for 802.11a/n20/ax20 in the 5180-5240MHz band ; 2 channels for 802.11 n40/ax40 in the 5190-5230MHz band ; 1 channels for 802.11 ac80/ax80 in the 5210MHz band ; 5 channels for 802.11a/n20/ax20 in the 5745-5825MHz band ; 2 channels for 802.11 n40/ax40 in the 5755-5795MHz band ; 1 channels for 802.11 ac80/ax80 in the 5775MHz band
Antenna installation:	Internal antenna
Antenna Gain:	WIFI(5.1GHz): Antenna A: 3.48 dBi, Antenna B: 1.39 dBi WIFI(5.8GHz): Antenna A: 2.01 dBi, Antenna B: 3.31 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
Battery:	Battery 1: DC 11.4V, 5500mAh, 62.7Wh Battery 2: DC 11.55V, 4780mAh, 55.21Wh
Adapter Information:	MODEL: BSY065T1903423 D INPUT: 100-240V 50/60Hz, 1.5A OUTPUT: DC 19.0V 3.42A 64.98W

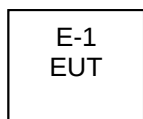
4.2 Test Setup Configuration

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

Conducted Emission:



Radiated Spurious Emission



4.3 Support Equipment

No.	Device Type	Brand	Model	Series No.	Note
E-1	Laptop	Acer	Aspire 3 A325-53, Aspire 3 A325-51	N/A	EUT
E-2	ADAPTER	N/A	BSY065T190342 3 D	N/A	Auxiliary

Item	Shielded Type	Ferrite Core	Length	Note
C-1	N/A	N/A	3M	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/ax(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/ax(40MHz) Carrier Frequency Channel							
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
38	5190	-	-	-	-	-	-
46	5230	-	-	-	-	-	-

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

5.8G

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

802.11ac/ax 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/ ax 20 CH36/ CH40/ CH 48 802.11a /n/ ac 20/ ax 20 CH149/ CH157/ CH 165
Mode 2	802.11n/ ac40/ ax 40 CH38/ CH 46 802.11n/ ac40/ ax 40 CH 151 / CH 159
Mode 3	802.11 ac80/ ax80 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

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 6.49 dBi

2)For power measurements,

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

So the directional gain for Power measurements is 3.48 dBi

Antenna	Brand	Model Name	Antenna Type	Gain (dBi)	NOTE
A	N/A	N/A	Internal antenna	3.48	N/A
B	N/A	N/A	Internal antenna	1.39	N/A

5.8G

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 6.32 dB

2)For power measurements,

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

So the directional gain for Power measurements is 3.31 dBi

Antenna	Brand	Model Name	Antenna Type	Gain (dBi)	NOTE
A	N/A	N/A	Internal antenna	2.01	N/A
B	N/A	N/A	Internal antenna	3.31	N/A

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 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

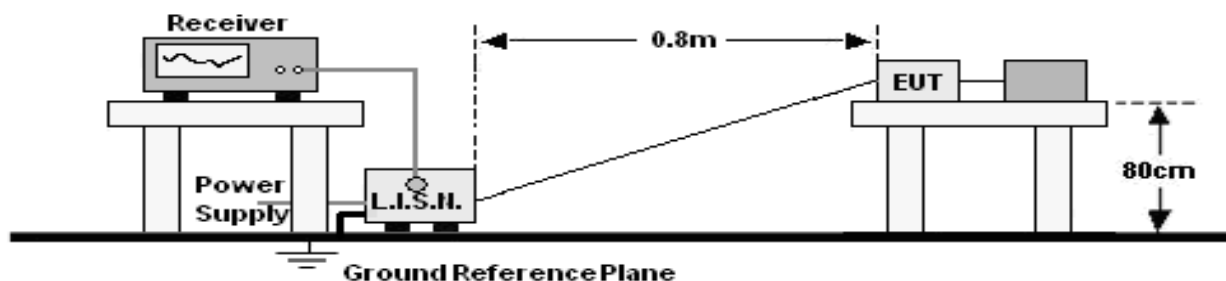
RF Conducted Test					
Equipment	Manufacturer	Model#	Serial#	Last Cal.	Next Cal.
Power meter	Keysight	E4419	\	May 16, 2024	May 15, 2025
Power Sensor (AV)	Keysight	E9300A	\	May 16, 2024	May 15, 2025
Signal Analyzer20kHz-26.5GHz	Keysight	N9020A	MY49100060	May 16, 2024	May 15, 2025
Spectrum Analyzer9kHz-40GHz	R&S	FSP40	100363	May 16, 2024	May 15, 2025
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 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_01G18 G-45dB	SK2021040901	May 16, 2024	May 15, 2025
Horn Antenna	Schwarzbeck	BBHA9120D	1541	May 21, 2024	May 20, 2025
Amplifier(18G Hz-40GHz)	MITEQ	TTA1840-35-HG	2034381	May 16, 2024	May 15, 2025
Horn Antenna(18G Hz-40GHz)	Schwarzbeck	BBHA9170	00822	May 21, 2024	May 20, 2025
Spectrum Analyzer9kHz-40GHz	R&S	FSP40	100363	May 16, 2024	May 15, 2025
Software	Frad	EZ-EMC	FA-03A2 RE	\	\

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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

- 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.

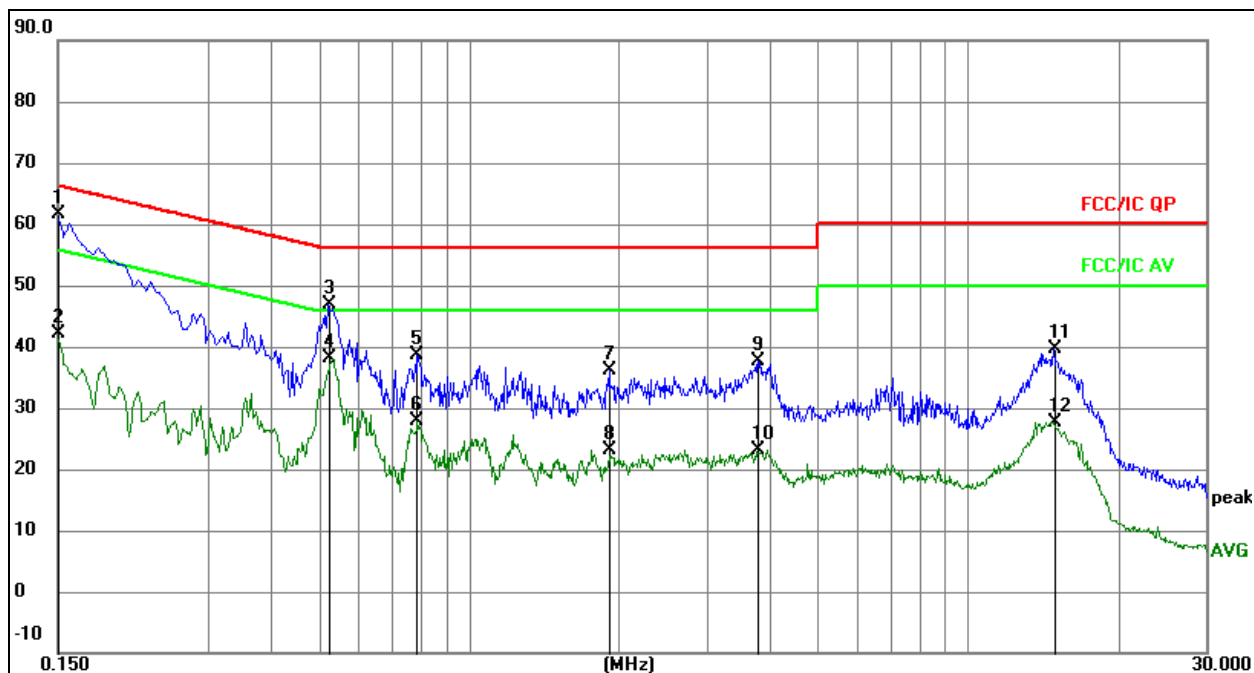
6.4 EUT Operating Conditions

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

Aspire 3 A325-53(CPU: 1305U Battery1)

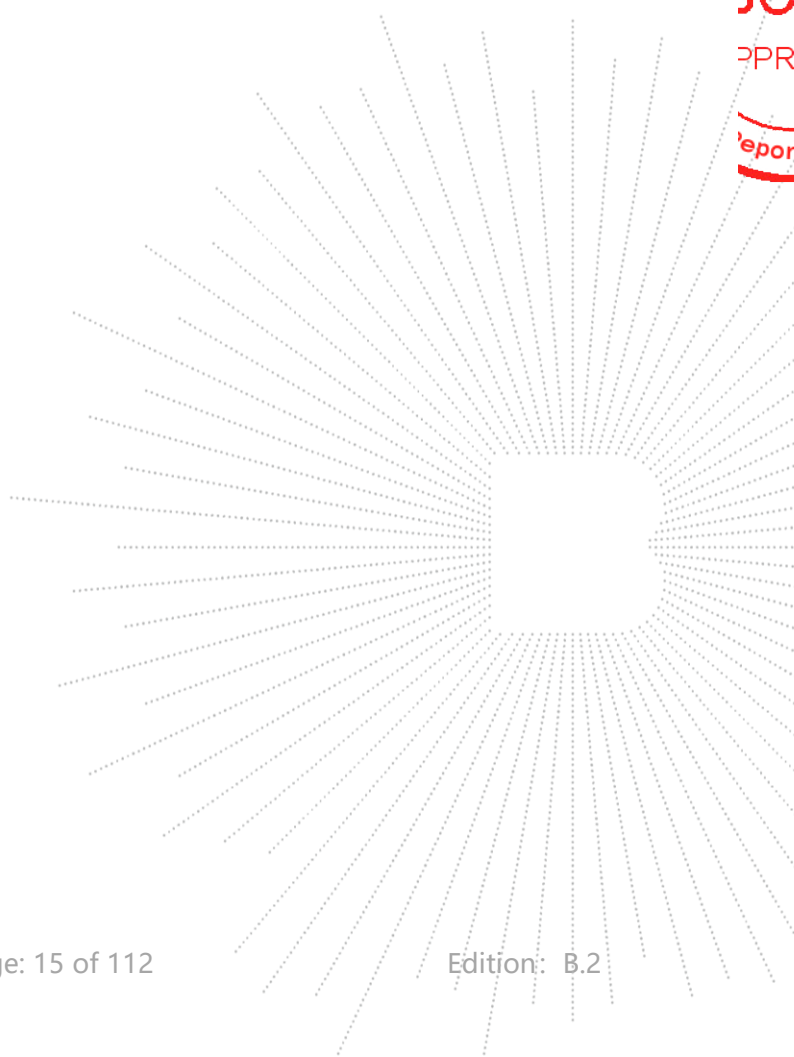
Temperature:	26 °C	Relative Humidity:	54%
Pressure:	101KPa	Phase :	L
Test Mode:	Mode 4	Test Voltage :	AC 120V/60Hz



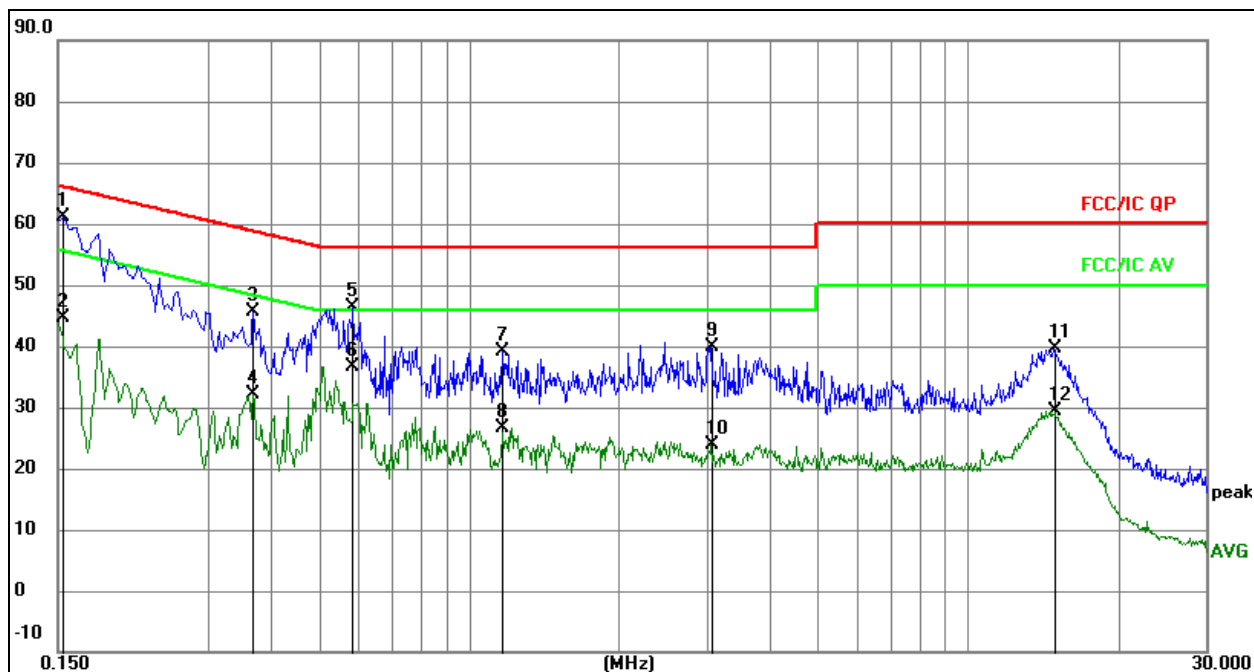
Remark:

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	Measurement	Limit	Over	Detector
		MHz		dB	dBuV	dBuV	dB	
1	*	0.1500	41.45	20.07	61.52	66.00	-4.48	QP
2		0.1500	22.03	20.07	42.10	56.00	-13.90	AVG
3		0.5210	26.88	20.08	46.96	56.00	-9.04	QP
4		0.5210	17.98	20.08	38.06	46.00	-7.94	AVG
5		0.7876	18.46	20.09	38.55	56.00	-17.45	QP
6		0.7876	7.89	20.09	27.98	46.00	-18.02	AVG
7		1.9080	15.93	20.10	36.03	56.00	-19.97	QP
8		1.9080	2.94	20.10	23.04	46.00	-22.96	AVG
9		3.7994	17.54	20.14	37.68	56.00	-18.32	QP
10		3.7994	2.95	20.14	23.09	46.00	-22.91	AVG
11		14.8281	19.29	20.30	39.59	60.00	-20.41	QP
12		14.8281	7.37	20.30	27.67	50.00	-22.33	AVG



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

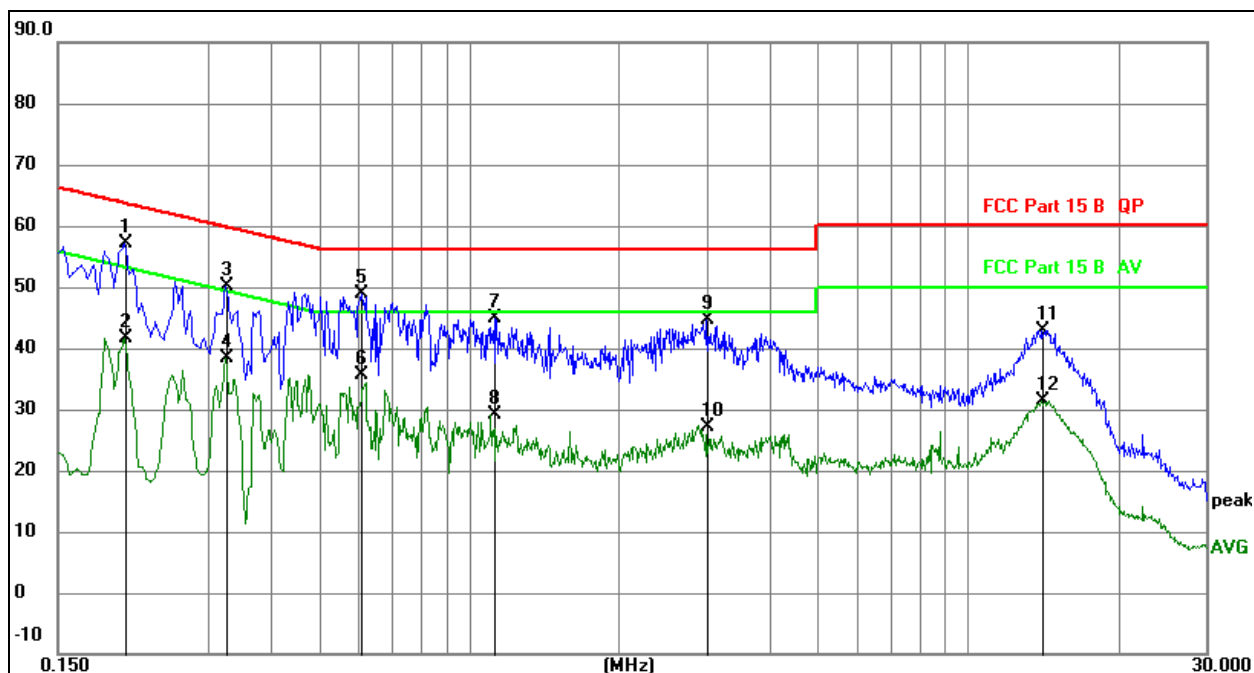

Remark:

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. MHz	Reading Level	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector
1	*	0.1539	41.11	20.07	61.18	65.79	-4.61	QP
2		0.1539	24.61	20.07	44.68	55.79	-11.11	AVG
3		0.3692	25.54	20.08	45.62	58.52	-12.90	QP
4		0.3692	12.04	20.08	32.12	48.52	-16.40	AVG
5		0.5854	26.32	20.08	46.40	56.00	-9.60	QP
6		0.5854	16.47	20.08	36.55	46.00	-9.45	AVG
7		1.1657	19.01	20.09	39.10	56.00	-16.90	QP
8		1.1657	6.45	20.09	26.54	46.00	-19.46	AVG
9		3.0576	19.72	20.12	39.84	56.00	-16.16	QP
10		3.0576	3.76	20.12	23.88	46.00	-22.12	AVG
11		14.8281	19.44	20.30	39.74	60.00	-20.26	QP
12		14.8281	9.20	20.30	29.50	50.00	-20.50	AVG

Aspire 3 A325-53(CPU: 1305U Battery2)

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

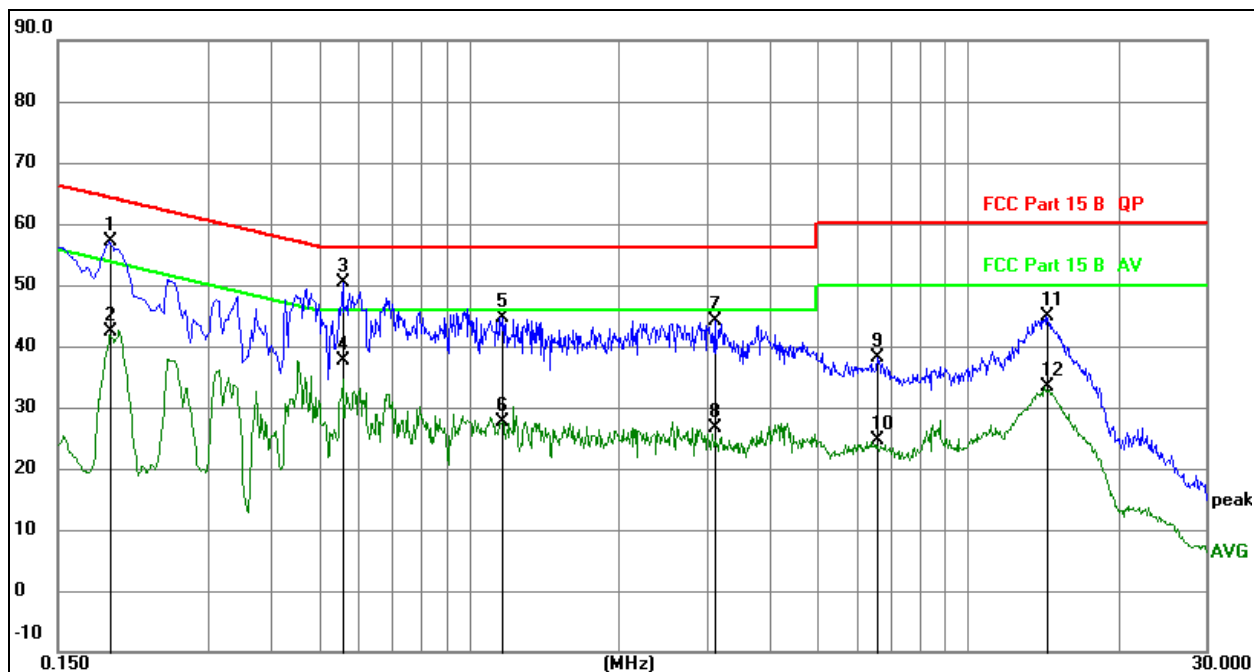


Remark:

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. MHz	Reading Level	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector
1	*	0.2040	36.95	20.07	57.02	63.45	-6.43	QP
2		0.2040	21.67	20.07	41.74	53.45	-11.71	AVG
3		0.3255	29.95	20.07	50.02	59.57	-9.55	QP
4		0.3255	18.37	20.07	38.44	49.57	-11.13	AVG
5		0.6090	28.87	20.09	48.96	56.00	-7.04	QP
6		0.6090	15.48	20.09	35.57	46.00	-10.43	AVG
7		1.1265	24.83	20.09	44.92	56.00	-11.08	QP
8		1.1265	9.02	20.09	29.11	46.00	-16.89	AVG
9		2.9985	24.48	20.12	44.60	56.00	-11.40	QP
10		2.9985	7.13	20.12	27.25	46.00	-18.75	AVG
11		14.1315	22.70	20.29	42.99	60.00	-17.01	QP
12		14.1315	11.18	20.29	31.47	50.00	-18.53	AVG

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



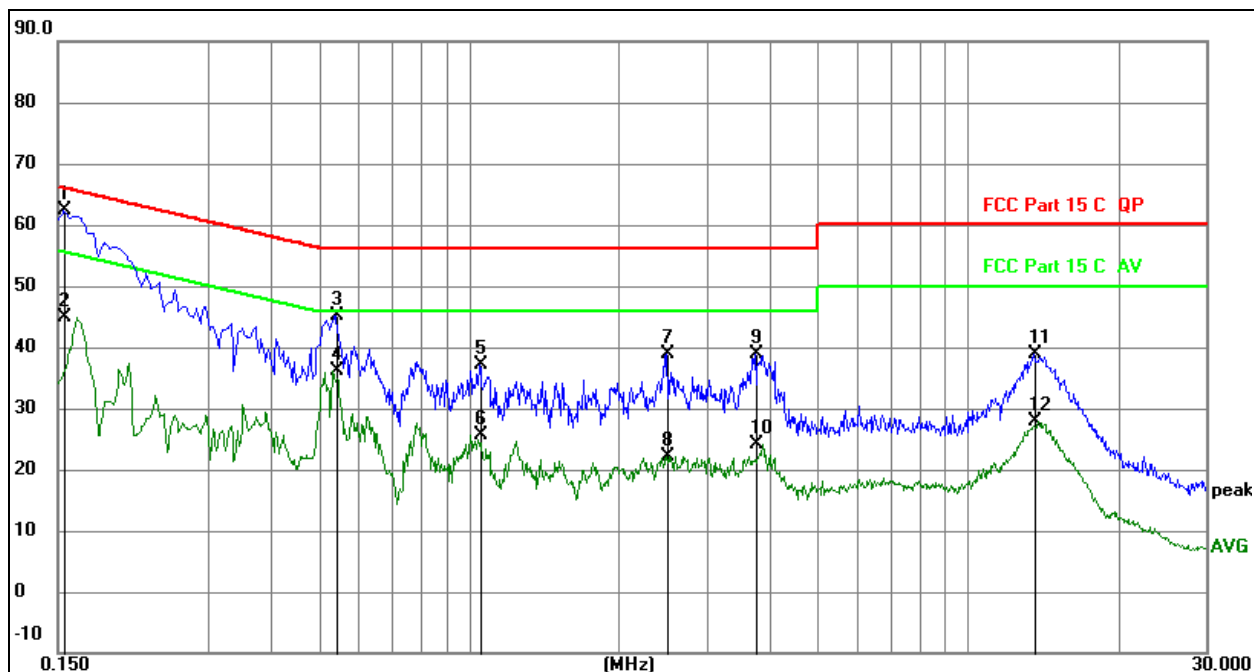
Remark:

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	Measurement	Limit	Over	
		MHz		dB	dBuV	dBuV	dB	Detector
1		0.1904	37.15	20.07	57.22	64.02	-6.80	QP
2		0.1904	22.43	20.07	42.50	54.02	-11.52	AVG
3	*	0.5581	30.23	20.08	50.31	56.00	-5.69	QP
4		0.5581	17.58	20.08	37.66	46.00	-8.34	AVG
5		1.1657	24.62	20.09	44.71	56.00	-11.29	QP
6		1.1657	7.53	20.09	27.62	46.00	-18.38	AVG
7		3.1066	24.10	20.12	44.22	56.00	-11.78	QP
8		3.1066	6.61	20.12	26.73	46.00	-19.27	AVG
9		6.5921	17.86	20.16	38.02	60.00	-21.98	QP
10		6.5921	4.39	20.16	24.55	50.00	-25.45	AVG
11		14.3641	24.60	20.29	44.89	60.00	-15.11	QP
12		14.3641	13.02	20.29	33.31	50.00	-16.69	AVG

Aspire 3 A325-53(CPU: 1334U Battery1)

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

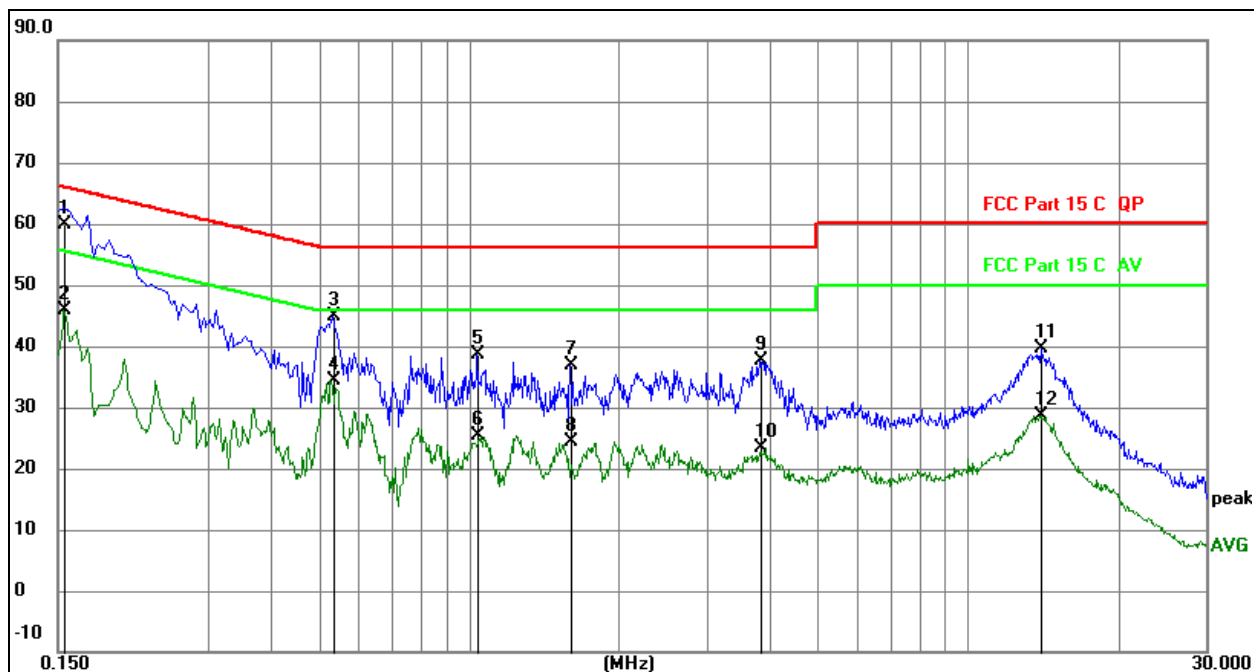


Remark:

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. MHz	Reading Level	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector
1	*	0.1545	42.26	20.07	62.33	65.75	-3.42	QP
2		0.1545	24.89	20.07	44.96	55.75	-10.79	AVG
3		0.5415	25.08	20.08	45.16	56.00	-10.84	QP
4		0.5415	15.96	20.08	36.04	46.00	-9.96	AVG
5		1.0500	17.05	20.09	37.14	56.00	-18.86	QP
6		1.0500	5.57	20.09	25.66	46.00	-20.34	AVG
7		2.4900	18.84	20.11	38.95	56.00	-17.05	QP
8		2.4900	2.12	20.11	22.23	46.00	-23.77	AVG
9		3.7455	18.70	20.13	38.83	56.00	-17.17	QP
10		3.7455	4.06	20.13	24.19	46.00	-21.81	AVG
11		13.6095	18.57	20.27	38.84	60.00	-21.16	QP
12		13.6095	7.55	20.27	27.82	50.00	-22.18	AVG

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

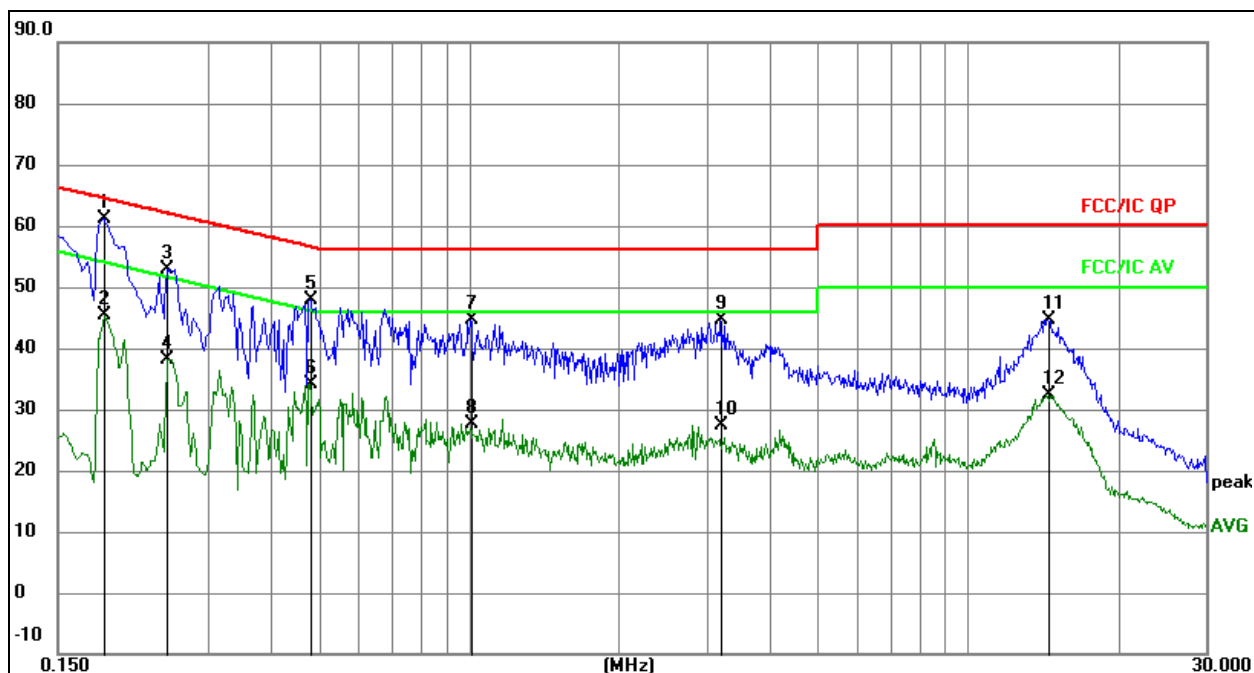

Remark:

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	Measurement	Limit	Over	
		MHz		dB	dBuV	dBuV	dB	Detector
1	*	0.1545	39.70	20.07	59.77	65.75	-5.98	QP
2		0.1545	25.87	20.07	45.94	55.75	-9.81	AVG
3		0.5325	24.84	20.08	44.92	56.00	-11.08	QP
4		0.5325	14.29	20.08	34.37	46.00	-11.63	AVG
5		1.0410	18.55	20.09	38.64	56.00	-17.36	QP
6		1.0410	5.34	20.09	25.43	46.00	-20.57	AVG
7		1.5990	16.74	20.10	36.84	56.00	-19.16	QP
8		1.5990	4.38	20.10	24.48	46.00	-21.52	AVG
9		3.8220	17.51	20.14	37.65	56.00	-18.35	QP
10		3.8220	3.13	20.14	23.27	46.00	-22.73	AVG
11		14.0055	19.38	20.28	39.66	60.00	-20.34	QP
12		14.0055	8.46	20.28	28.74	50.00	-21.26	AVG

Aspire 3 A325-53(CPU: 1334U Battery2)

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

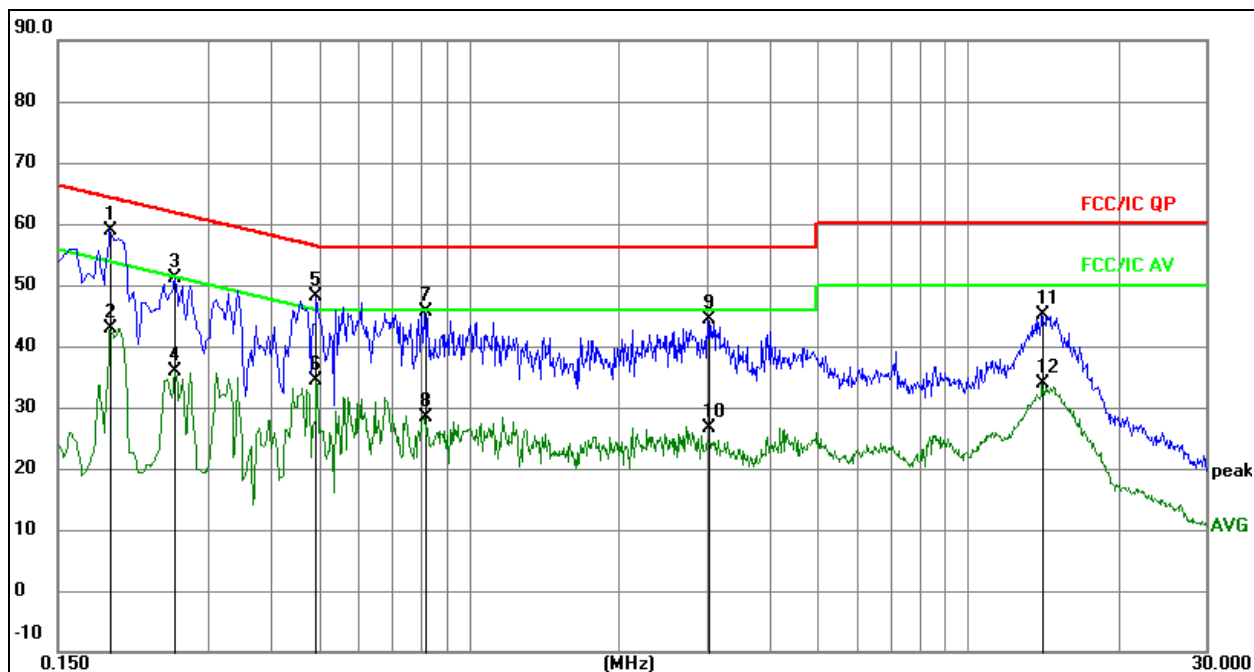


Remark:

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. MHz	Reading Level	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector
1	*	0.1853	41.14	20.07	61.21	64.24	-3.03	QP
2		0.1853	25.23	20.07	45.30	54.24	-8.94	AVG
3		0.2481	32.81	20.07	52.88	61.82	-8.94	QP
4		0.2481	18.16	20.07	38.23	51.82	-13.59	AVG
5		0.4812	27.79	20.08	47.87	56.32	-8.45	QP
6		0.4812	13.99	20.08	34.07	46.32	-12.25	AVG
7		1.0050	24.49	20.09	44.58	56.00	-11.42	QP
8		1.0050	7.52	20.09	27.61	46.00	-18.39	AVG
9		3.1900	24.57	20.12	44.69	56.00	-11.31	QP
10		3.1900	7.23	20.12	27.35	46.00	-18.65	AVG
11		14.4404	24.38	20.29	44.67	60.00	-15.33	QP
12		14.4404	12.19	20.29	32.48	50.00	-17.52	AVG

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


Remark:

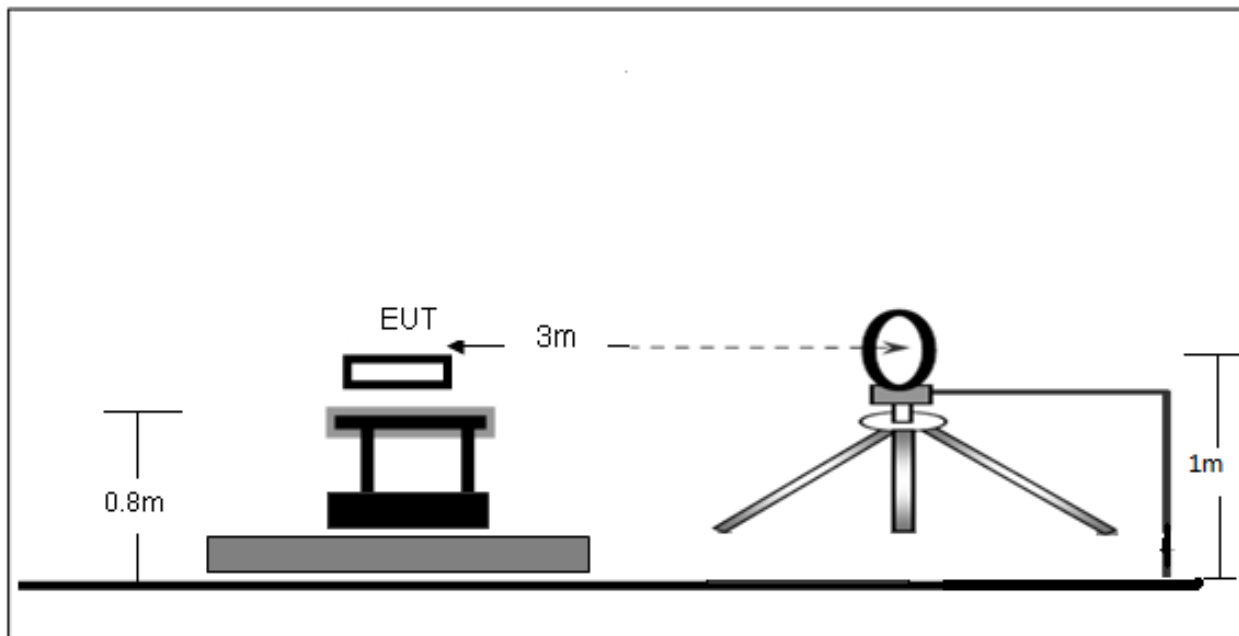
1. All readings are Quasi-Peak and Average values.
2. Factor = Insertion Loss + Cable Loss.
3. Measurement = Reading Level + Correct Factor
4. Over = Measurement - Limit

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	
		MHz		dB	dBuV	dBuV	dB	Detector
1	*	0.1904	38.69	20.07	58.76	64.02	-5.26	QP
2		0.1904	22.88	20.07	42.95	54.02	-11.07	AVG
3		0.2575	31.07	20.07	51.14	61.51	-10.37	QP
4		0.2575	15.79	20.07	35.86	51.51	-15.65	AVG
5		0.4941	28.10	20.08	48.18	56.10	-7.92	QP
6		0.4941	14.32	20.08	34.40	46.10	-11.70	AVG
7		0.8131	25.46	20.09	45.55	56.00	-10.45	QP
8		0.8131	8.18	20.09	28.27	46.00	-17.73	AVG
9		3.0094	24.31	20.12	44.43	56.00	-11.57	QP
10		3.0094	6.43	20.12	26.55	46.00	-19.45	AVG
11		14.0629	24.83	20.28	45.11	60.00	-14.89	QP
12		14.0629	13.61	20.28	33.89	50.00	-16.11	AVG

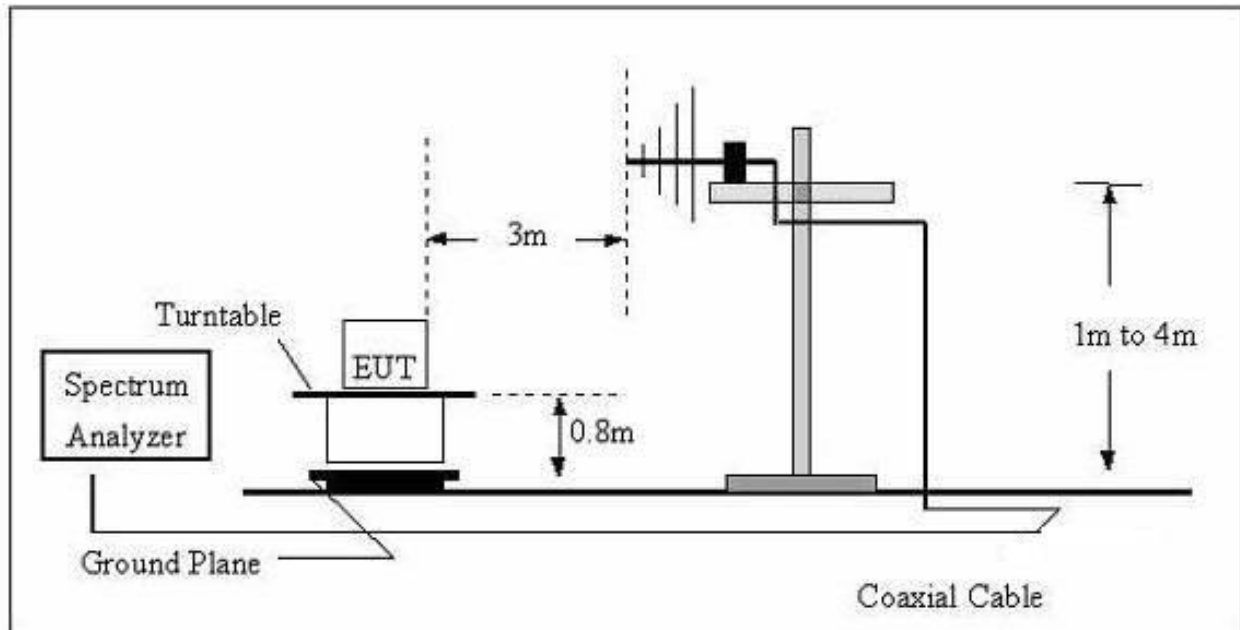
7. Radiated Emissions

7.1 Block Diagram Of Test Setup

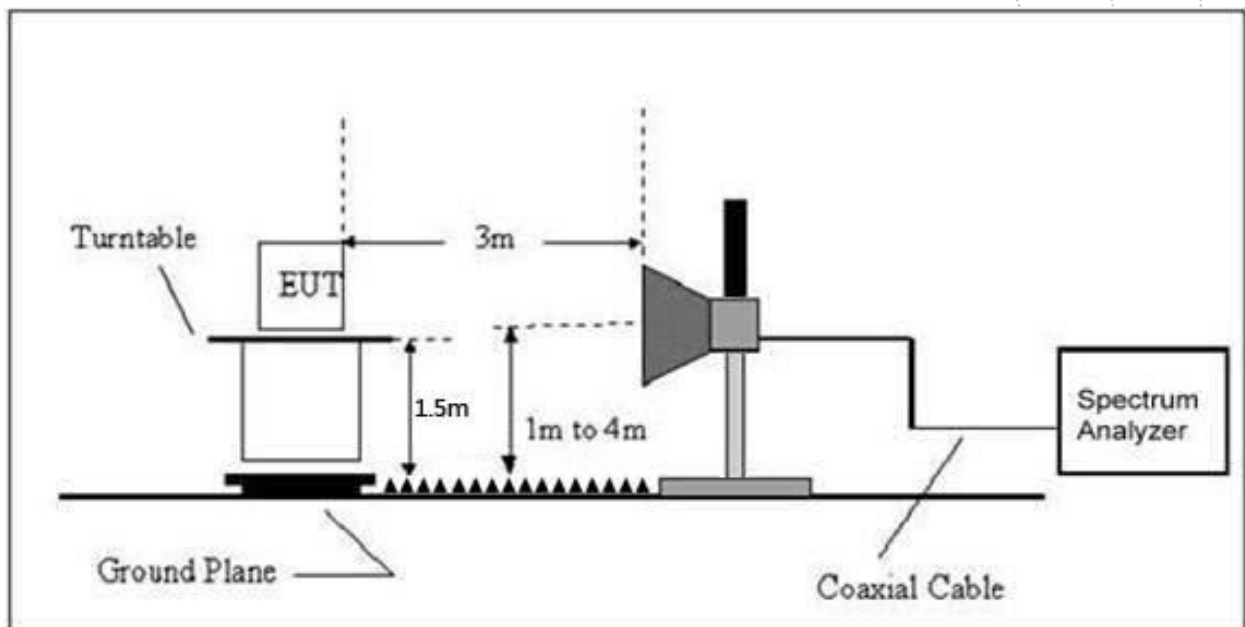
(A) Radiated Emission Test-Up Frequency Below 30MHz



(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

- 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℃	Relative Humidity:	24%
Pressure:	101KPa	Test Voltage :	AC 120V/60Hz
Test Mode:	Mode 4	Polarization :	--

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.

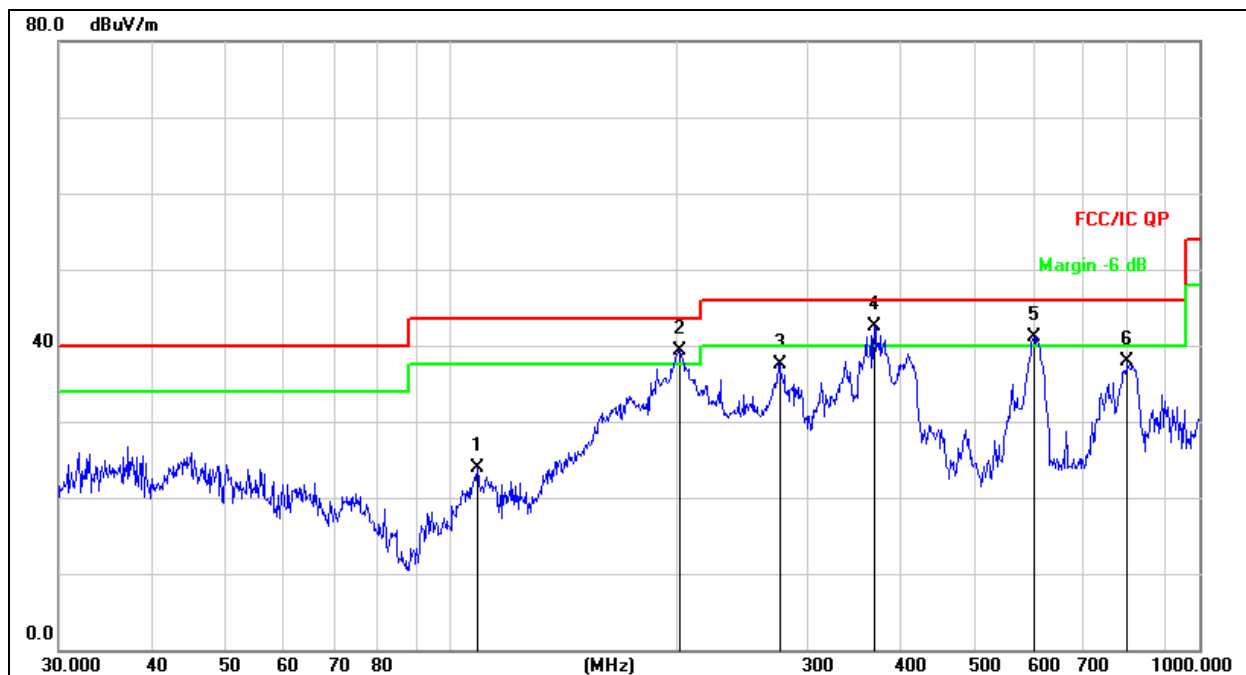
Distance extrapolation factor = $40 \log (\text{specific distance/test distance})$ (dB);

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

Between 30MHz – 1GHz

Aspire 3 A325-53(CPU: 1305U Battery1)

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

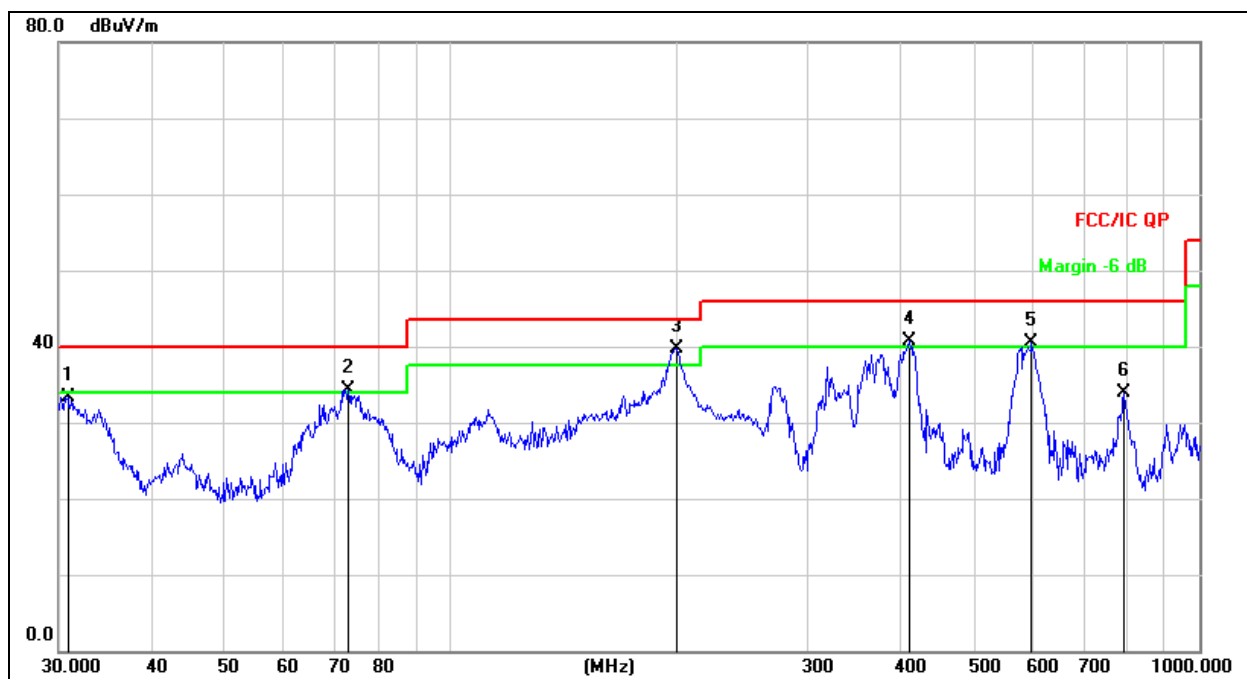


Remark:

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	Measurement	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1		108.6470	40.46	-16.54	23.92	43.50	-19.58	QP
2	!	202.1005	54.97	-15.66	39.31	43.50	-4.19	QP
3		275.1569	51.17	-13.76	37.41	46.00	-8.59	QP
4	*	368.1116	53.71	-11.25	42.46	46.00	-3.54	QP
5	!	601.4265	48.18	-7.00	41.18	46.00	-4.82	QP
6		801.7862	42.36	-4.38	37.98	46.00	-8.02	QP

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



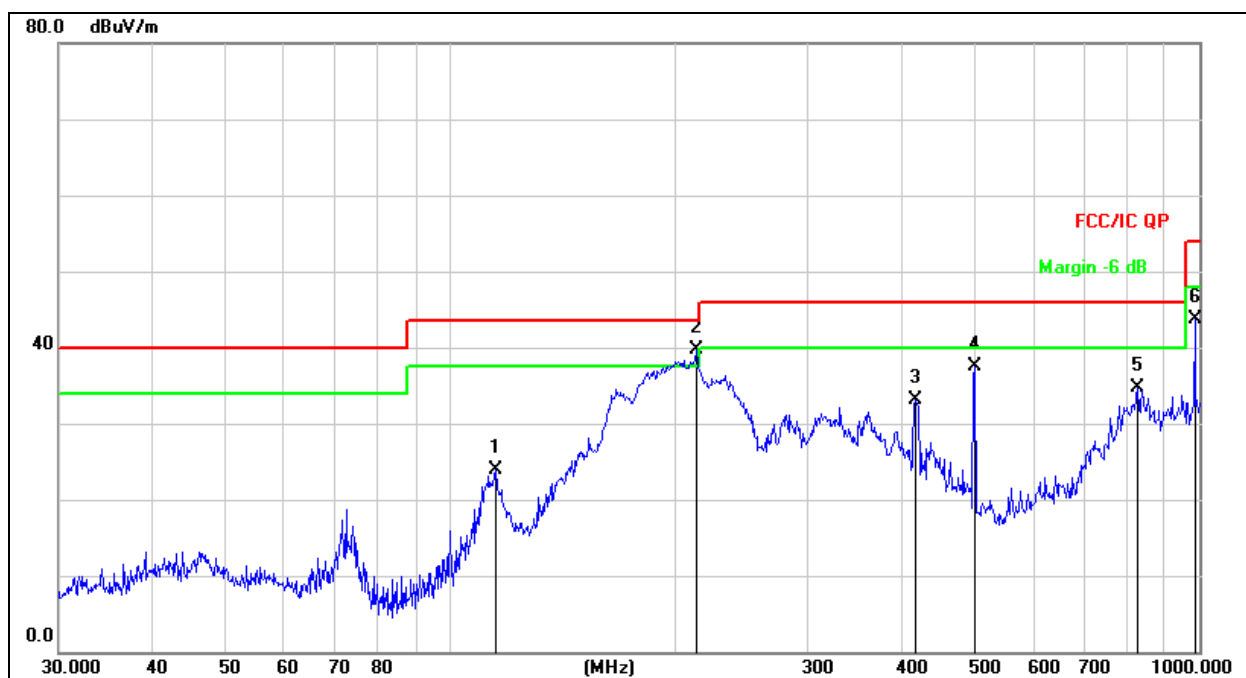
Remark:

- Factor = Antenna Factor + Cable Loss – Pre-amplifier.
- Measurement = Reading Level + Correct Factor
- 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	49.83	-16.48	33.35	40.00	-6.65	QP
2	!	73.1025	52.92	-18.54	34.38	40.00	-5.62	QP
3	*	200.6879	55.40	-15.70	39.70	43.50	-3.80	QP
4	!	410.3824	51.30	-10.64	40.66	46.00	-5.34	QP
5	!	597.2232	47.62	-7.21	40.41	46.00	-5.59	QP
6		793.3958	38.37	-4.48	33.89	46.00	-12.11	QP

Aspire 3 A325-53(CPU: 1305U Battery2)

Temperature:	26 °C	Relative Humidity:	54%
Pressure:	101KPa	Phase :	Horizontal
Test Mode:	Mode 4	Test Voltage :	DC 11.55V

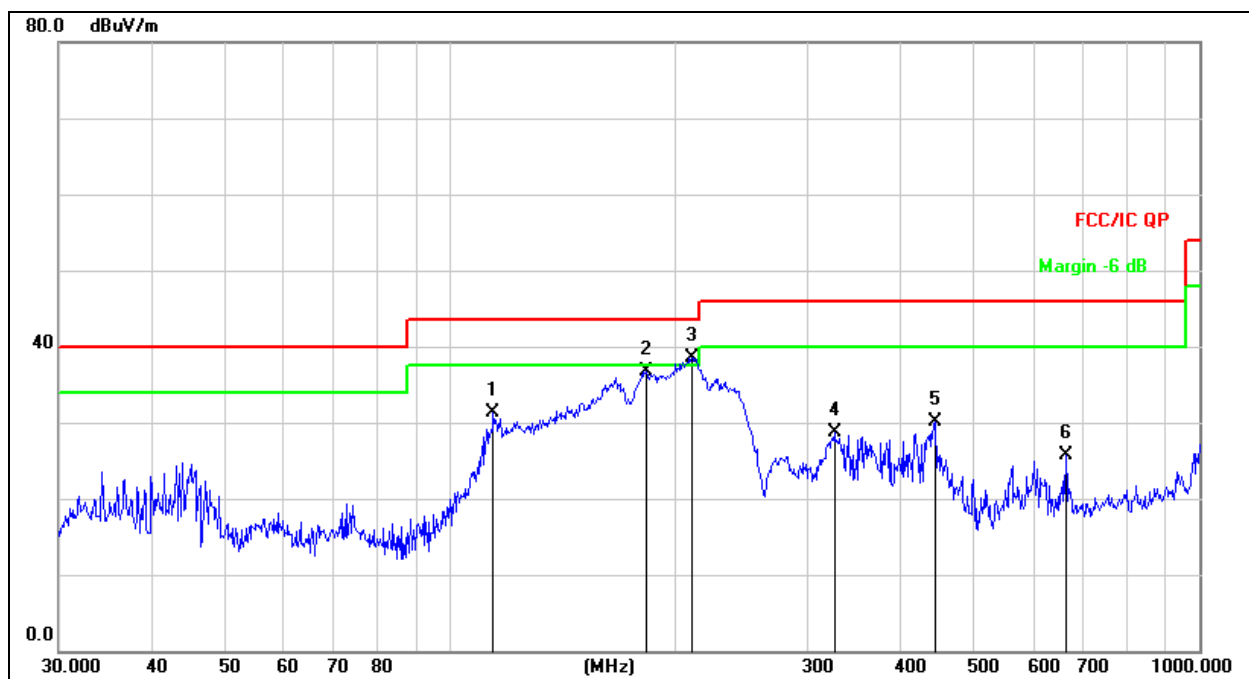


Remark:

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

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dB/m	Over dB	Detector
1		114.9169	40.78	-16.97	23.81	43.50	-19.69	QP
2	*	213.0151	55.10	-15.35	39.75	43.50	-3.75	QP
3		417.6411	43.68	-10.49	33.19	46.00	-12.81	QP
4		501.1790	46.19	-8.65	37.54	46.00	-8.46	QP
5		827.4934	38.82	-4.17	34.65	46.00	-11.35	QP
6		986.0717	46.23	-2.52	43.71	54.00	-10.29	QP

Temperature:	26 °C	Relative Humidity:	54%
Pressure:	101KPa	Phase :	Vertical
Test Mode:	Mode 4	Test Voltage :	DC 11.55V



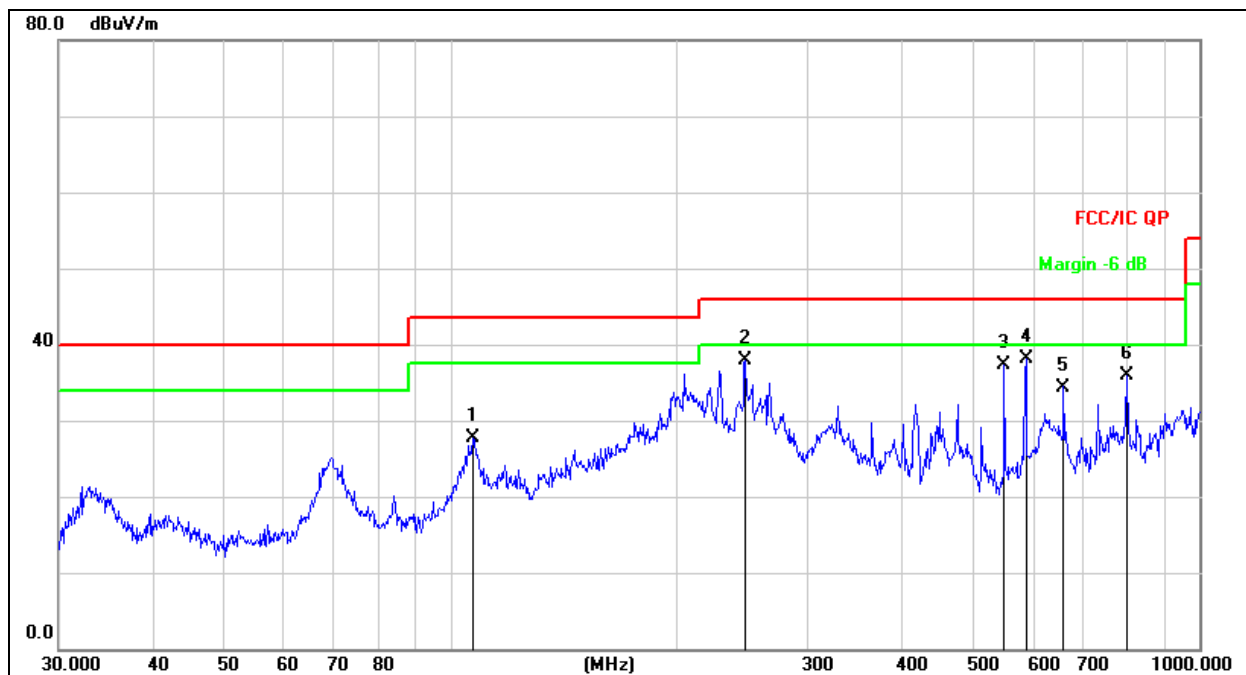
Remark:

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	Detector
		MHz	dBuV	dB	dBuV/m	dB/m	dB	
1		114.1138	48.13	-16.92	31.21	43.50	-12.29	QP
2		182.5592	53.70	-17.01	36.69	43.50	-6.81	QP
3	*	210.0482	54.01	-15.43	38.58	43.50	-4.92	QP
4		325.5958	41.11	-12.34	28.77	46.00	-17.23	QP
5		443.2943	40.15	-9.99	30.16	46.00	-15.84	QP
6		663.4729	31.70	-6.04	25.66	46.00	-20.34	QP

Aspire 3 A325-53(CPU: 1334U Battery1)

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

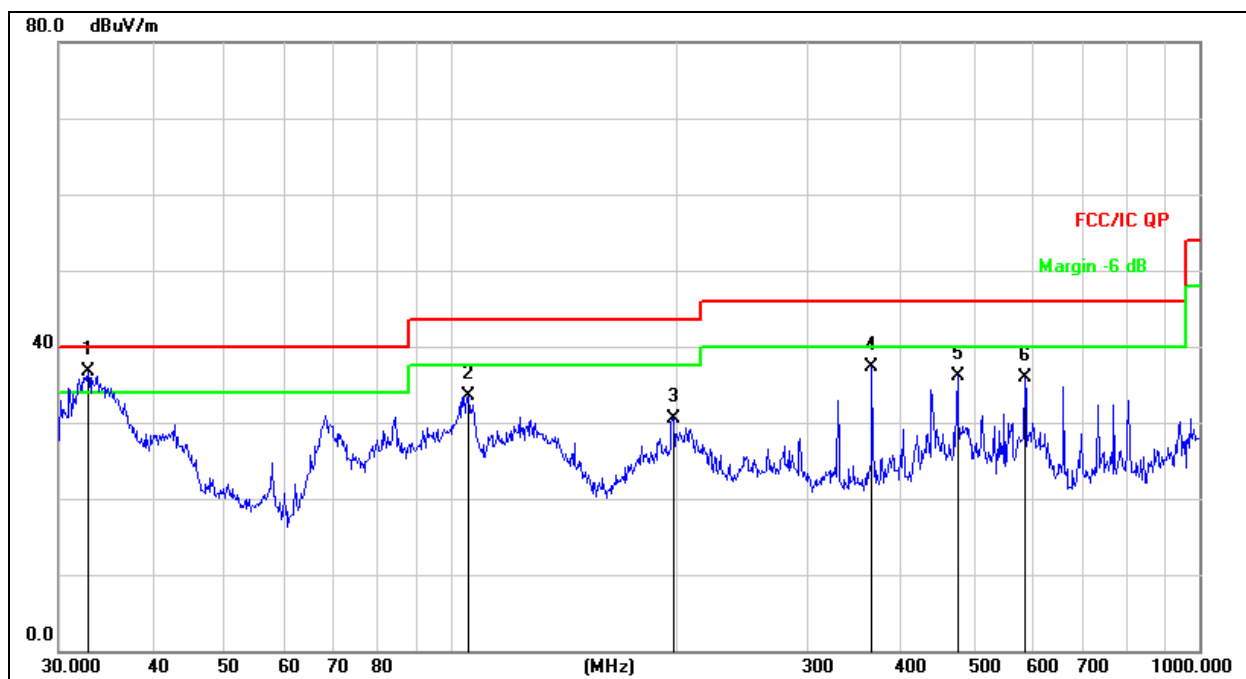


Remark:

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

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dB/m	Over dB	Detector
1		107.1337	44.04	-16.43	27.61	43.50	-15.89	QP
2		247.6819	52.36	-14.36	38.00	46.00	-8.00	QP
3		549.0195	47.59	-10.35	37.24	46.00	-8.76	QP
4	*	586.8437	46.07	-7.90	38.17	46.00	-7.83	QP
5		658.8362	40.48	-6.08	34.40	46.00	-11.60	QP
6		798.9797	40.26	-4.41	35.85	46.00	-10.15	QP

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



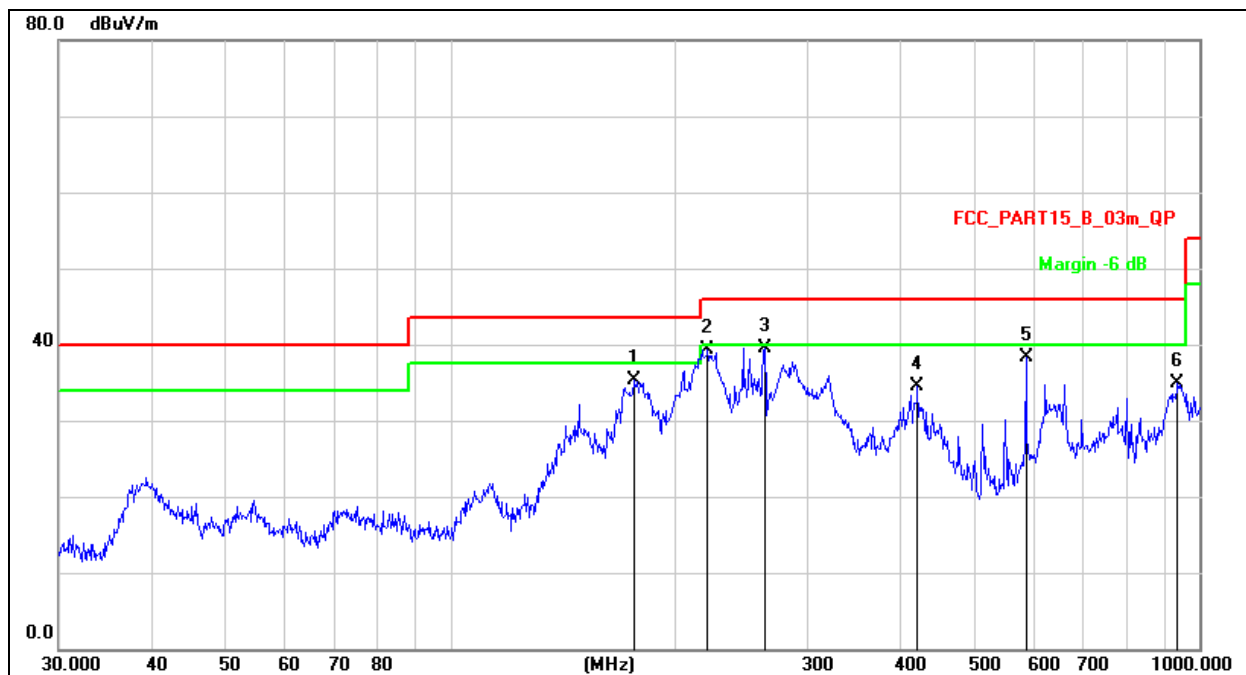
Remark:

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	*	32.8637	52.73	-16.10	36.63	40.00	-3.37	QP
2		105.6415	49.79	-16.32	33.47	43.50	-10.03	QP
3		198.5880	46.25	-15.82	30.43	43.50	-13.07	QP
4		365.5391	48.55	-11.28	37.27	46.00	-8.73	QP
5		475.4991	45.30	-9.22	36.08	46.00	-9.92	QP
6		584.7895	43.88	-8.04	35.84	46.00	-10.16	QP

Aspire 3 A325-53(CPU: 1334U Battery2)

Temperature:	26 °C	Relative Humidity:	54%
Pressure:	101KPa	Phase :	Horizontal
Test Mode:	Mode 4	Test Voltage :	DC 11.55V

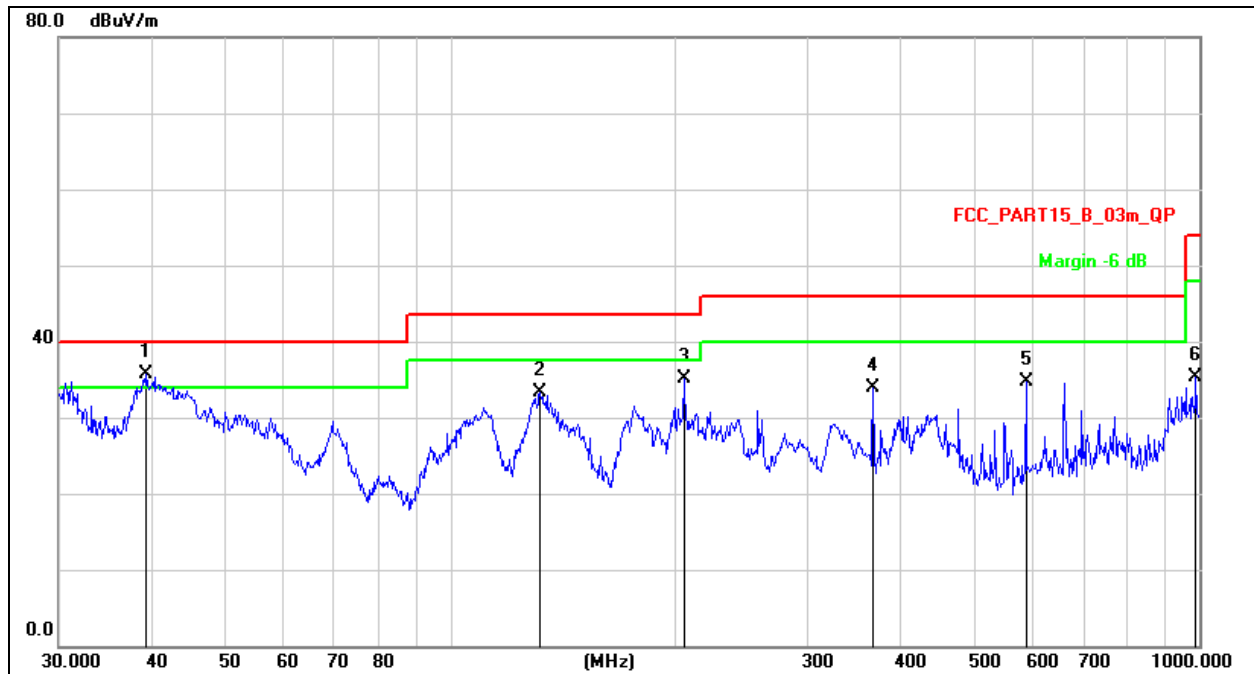


Remark:

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

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dB/m	Over dB	Detector
1		175.6516	52.87	-17.53	35.34	43.50	-8.16	QP
2		220.6171	54.51	-15.13	39.38	46.00	-6.62	QP
3	*	262.8955	53.62	-14.02	39.60	46.00	-6.40	QP
4		420.5803	44.89	-10.44	34.45	46.00	-11.55	QP
5		586.8437	46.27	-7.90	38.37	46.00	-7.63	QP
6		935.5463	37.93	-2.99	34.94	46.00	-11.06	QP

Temperature:	26 °C	Relative Humidity:	54%
Pressure:	101KPa	Phase :	Vertical
Test Mode:	Mode 4	Test Voltage :	DC 11.55V



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	*	39.2991	50.62	-14.86	35.76	40.00	-4.24	QP
2		131.7577	51.47	-18.15	33.32	43.50	-10.18	QP
3		204.9551	50.60	-15.58	35.02	43.50	-8.48	QP
4		366.8231	45.15	-11.26	33.89	46.00	-12.11	QP
5		586.8437	42.67	-7.90	34.77	46.00	-11.23	QP
6		989.5355	37.83	-2.48	35.35	54.00	-18.65	QP

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	4434.131	71.33	-20.73	50.60	68.20	-17.60	PK
Vertical	4434.131	59.82	-20.73	39.08	54.00	-14.92	AV
Vertical	10360.086	60.82	-9.36	51.46	68.20	-16.74	PK
Vertical	10360.086	49.03	-9.36	39.67	54.00	-14.33	AV
Vertical	15540.163	63.71	-7.84	55.87	74.00	-18.13	PK
Vertical	15540.163	49.57	-7.84	41.73	54.00	-12.27	AV
Horizontal	4434.039	73.31	-20.73	52.58	68.20	-15.62	PK
Horizontal	4434.039	59.05	-20.73	38.32	54.00	-15.68	AV
Horizontal	10360.079	63.68	-9.36	54.32	68.20	-13.88	PK
Horizontal	10360.079	49.74	-9.36	40.38	54.00	-13.62	AV
Horizontal	15540.007	60.71	-7.84	52.87	74.00	-21.13	PK
Horizontal	15540.007	49.20	-7.84	41.36	54.00	-12.64	AV
Middle Channel (5200 MHz)-Above 1G							
Vertical	4592.120	73.96	-20.42	53.55	74.00	-20.45	PK
Vertical	4592.120	59.32	-20.42	38.90	54.00	-15.10	AV
Vertical	10400.051	63.38	-9.30	54.08	68.20	-14.12	PK
Vertical	10400.051	49.55	-9.30	40.25	54.00	-13.75	AV
Vertical	15600.167	64.24	-7.82	56.42	74.00	-17.58	PK
Vertical	15600.167	49.94	-7.82	42.12	54.00	-11.88	AV
Horizontal	4592.054	72.51	-20.42	52.09	74.00	-21.91	PK
Horizontal	4592.054	59.12	-20.42	38.70	54.00	-15.30	AV
Horizontal	10400.077	64.01	-9.30	54.71	68.20	-13.49	PK
Horizontal	10400.077	49.21	-9.30	39.91	54.00	-14.09	AV
Horizontal	15600.106	61.60	-7.82	53.78	74.00	-20.22	PK
Horizontal	15600.106	49.84	-7.82	42.02	54.00	-11.98	AV
High Channel (5240 MHz)-Above 1G							
Vertical	4739.188	72.52	-20.12	52.39	74.00	-21.61	PK
Vertical	4739.188	59.26	-20.12	39.14	54.00	-14.86	AV
Vertical	10480.159	63.53	-9.18	54.35	68.20	-13.85	PK
Vertical	10480.159	49.80	-9.18	40.62	54.00	-13.38	AV
Vertical	15720.127	61.26	-7.78	53.48	74.00	-20.52	PK
Vertical	15720.127	49.20	-7.78	41.42	54.00	-12.58	AV
Horizontal	4739.135	70.94	-20.12	50.81	74.00	-23.19	PK
Horizontal	4739.135	59.05	-20.12	38.93	54.00	-15.07	AV
Horizontal	10480.079	60.76	-9.18	51.58	68.20	-16.62	PK
Horizontal	10480.079	49.81	-9.18	40.63	54.00	-13.37	AV
Horizontal	15720.120	62.92	-7.78	55.14	74.00	-18.86	PK
Horizontal	15720.120	49.36	-7.78	41.58	54.00	-12.42	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	4434.104	71.76	-20.73	51.02	68.20	-17.18	PK
Vertical	4434.104	59.17	-20.73	38.43	54.00	-15.57	AV
Vertical	10360.000	62.31	-9.36	52.95	68.20	-15.25	PK
Vertical	10360.000	49.43	-9.36	40.07	54.00	-13.93	AV
Vertical	15540.024	60.62	-7.84	52.78	74.00	-21.22	PK
Vertical	15540.024	49.77	-7.84	41.93	54.00	-12.07	AV
Horizontal	4434.184	72.06	-20.73	51.32	68.20	-16.88	PK
Horizontal	4434.184	59.14	-20.73	38.41	54.00	-15.59	AV
Horizontal	10360.140	62.94	-9.36	53.58	68.20	-14.62	PK
Horizontal	10360.140	49.84	-9.36	40.48	54.00	-13.52	AV
Horizontal	15540.062	64.16	-7.84	56.32	74.00	-17.68	PK
Horizontal	15540.062	49.38	-7.84	41.54	54.00	-12.46	AV
Middle Channel (5200 MHz)-Above 1G							
Vertical	4592.048	73.52	-20.42	53.10	74.00	-20.90	PK
Vertical	4592.048	59.40	-20.42	38.98	54.00	-15.02	AV
Vertical	10400.029	62.29	-9.30	52.99	68.20	-15.21	PK
Vertical	10400.029	49.49	-9.30	40.19	54.00	-13.81	AV
Vertical	15600.082	60.80	-7.82	52.98	74.00	-21.02	PK
Vertical	15600.082	49.89	-7.82	42.07	54.00	-11.93	AV
Horizontal	4592.044	70.23	-20.42	49.81	74.00	-24.19	PK
Horizontal	4592.044	59.99	-20.42	39.58	54.00	-14.42	AV
Horizontal	10400.121	60.78	-9.30	51.48	68.20	-16.72	PK
Horizontal	10400.121	49.70	-9.30	40.40	54.00	-13.60	AV
Horizontal	15600.115	60.32	-7.82	52.50	74.00	-21.50	PK
Horizontal	15600.115	49.42	-7.82	41.60	54.00	-12.40	AV
High Channel (5240 MHz)-Above 1G							
Vertical	4739.118	70.49	-20.12	50.37	74.00	-23.63	PK
Vertical	4739.118	59.77	-20.12	39.65	54.00	-14.35	AV
Vertical	10480.059	64.24	-9.18	55.06	68.20	-13.14	PK
Vertical	10480.059	49.58	-9.18	40.40	54.00	-13.60	AV
Vertical	15720.108	60.79	-7.78	53.01	74.00	-20.99	PK
Vertical	15720.108	49.58	-7.78	41.80	54.00	-12.20	AV
Horizontal	4739.082	70.04	-20.12	49.92	74.00	-24.08	PK
Horizontal	4739.082	59.84	-20.12	39.72	54.00	-14.28	AV
Horizontal	10480.063	60.06	-9.18	50.88	68.20	-17.32	PK
Horizontal	10480.063	49.80	-9.18	40.62	54.00	-13.38	AV
Horizontal	15720.183	62.12	-7.78	54.34	74.00	-19.66	PK
Horizontal	15720.183	49.82	-7.78	42.04	54.00	-11.96	AV

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

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

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

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	4434.034	71.75	-20.73	51.02	68.20	-17.18	PK
Vertical	4434.034	59.30	-20.73	38.57	54.00	-15.43	AV
Vertical	10380.149	64.70	-9.33	55.37	68.20	-12.83	PK
Vertical	10380.149	49.03	-9.33	39.70	54.00	-14.30	AV
Vertical	15570.108	61.00	-7.83	53.17	74.00	-20.83	PK
Vertical	15570.108	49.94	-7.83	42.11	54.00	-11.89	AV
Horizontal	4434.089	72.46	-20.73	51.72	74.00	-22.28	PK
Horizontal	4434.089	59.12	-20.73	38.39	54.00	-15.61	AV
Horizontal	10380.169	63.65	-9.33	54.32	68.20	-13.88	PK
Horizontal	10380.169	49.58	-9.33	40.25	54.00	-13.75	AV
Horizontal	15570.055	64.74	-7.83	56.91	74.00	-17.09	PK
Horizontal	15570.055	49.40	-7.83	41.57	54.00	-12.43	AV
Middle Channel (5230 MHz)-Above 1G							
Vertical	4739.198	73.70	-20.12	53.57	68.20	-14.63	PK
Vertical	4739.198	59.25	-20.12	39.13	54.00	-14.87	AV
Vertical	10460.135	62.96	-9.21	53.75	68.20	-14.45	PK
Vertical	10460.135	49.33	-9.21	40.12	54.00	-13.88	AV
Vertical	15690.150	62.60	-7.79	54.81	74.00	-19.19	PK
Vertical	15690.150	49.91	-7.79	42.12	54.00	-11.88	AV
Horizontal	4739.057	74.24	-20.12	54.12	68.20	-14.08	PK
Horizontal	4739.057	59.69	-20.12	39.57	54.00	-14.43	AV
Horizontal	10460.191	62.93	-9.21	53.72	68.20	-14.48	PK
Horizontal	10460.191	49.01	-9.21	39.80	54.00	-14.20	AV
Horizontal	15690.174	62.94	-7.79	55.15	74.00	-18.85	PK
Horizontal	15690.174	49.06	-7.79	41.27	54.00	-12.73	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(5.1G) - 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	4434.057	71.58	-20.73	50.85	68.20	-17.35	PK
Vertical	4434.057	59.29	-20.73	38.56	54.00	-15.44	AV
Vertical	10360.041	61.38	-9.36	52.02	68.20	-16.18	PK
Vertical	10360.041	49.25	-9.36	39.89	54.00	-14.11	AV
Vertical	15540.144	64.95	-7.84	57.11	74.00	-16.89	PK
Vertical	15540.144	49.17	-7.84	41.33	54.00	-12.67	AV
Horizontal	4434.045	73.77	-20.73	53.04	68.20	-15.16	PK
Horizontal	4434.045	59.59	-20.73	38.86	54.00	-15.14	AV
Horizontal	10360.060	60.17	-9.36	50.81	68.20	-17.39	PK
Horizontal	10360.060	49.82	-9.36	40.46	54.00	-13.54	AV
Horizontal	15540.028	62.30	-7.84	54.46	74.00	-19.54	PK
Horizontal	15540.028	49.92	-7.84	42.08	54.00	-11.92	AV
Middle Channel (5200 MHz)-Above 1G							
Vertical	4592.112	74.11	-20.42	53.69	74.00	-20.31	PK
Vertical	4592.112	59.26	-20.42	38.85	54.00	-15.15	AV
Vertical	10400.045	61.39	-9.30	52.09	68.20	-16.11	PK
Vertical	10400.045	49.45	-9.30	40.15	54.00	-13.85	AV
Vertical	15600.195	63.42	-7.82	55.60	74.00	-18.40	PK
Vertical	15600.195	49.46	-7.82	41.64	54.00	-12.36	AV
Horizontal	4592.067	73.94	-20.42	53.52	74.00	-20.48	PK
Horizontal	4592.067	59.39	-20.42	38.97	54.00	-15.03	AV
Horizontal	10400.075	63.60	-9.30	54.30	68.20	-13.90	PK
Horizontal	10400.075	49.86	-9.30	40.56	54.00	-13.44	AV
Horizontal	15600.138	63.82	-7.82	56.00	74.00	-18.00	PK
Horizontal	15600.138	49.37	-7.82	41.55	54.00	-12.45	AV
High Channel (5240 MHz)-Above 1G							
Vertical	4739.013	73.17	-20.12	53.05	74.00	-20.95	PK
Vertical	4739.013	59.13	-20.12	39.01	54.00	-14.99	AV
Vertical	10480.088	63.53	-9.18	54.35	68.20	-13.85	PK
Vertical	10480.088	49.73	-9.18	40.55	54.00	-13.45	AV
Vertical	15720.155	60.23	-7.78	52.45	74.00	-21.55	PK
Vertical	15720.155	49.83	-7.78	42.05	54.00	-11.95	AV
Horizontal	4739.074	70.93	-20.12	50.81	74.00	-23.19	PK
Horizontal	4739.074	59.31	-20.12	39.19	54.00	-14.81	AV
Horizontal	10480.098	62.78	-9.18	53.60	68.20	-14.60	PK
Horizontal	10480.098	49.90	-9.18	40.72	54.00	-13.28	AV
Horizontal	15720.108	63.94	-7.78	56.16	74.00	-17.84	PK
Horizontal	15720.108	49.87	-7.78	42.09	54.00	-11.91	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	4434.143	73.00	-20.73	52.27	68.20	-15.93	PK
Vertical	4434.143	59.02	-20.73	38.29	54.00	-15.71	AV
Vertical	10380.035	63.01	-9.33	53.68	68.20	-14.52	PK
Vertical	10380.035	49.28	-9.33	39.95	54.00	-14.05	AV
Vertical	15570.093	63.01	-7.83	55.18	74.00	-18.82	PK
Vertical	15570.093	49.63	-7.83	41.80	54.00	-12.20	AV
Horizontal	4434.069	74.26	-20.73	53.52	74.00	-20.48	PK
Horizontal	4434.069	59.85	-20.73	39.12	54.00	-14.88	AV
Horizontal	10380.047	64.26	-9.33	54.93	68.20	-13.27	PK
Horizontal	10380.047	49.43	-9.33	40.10	54.00	-13.90	AV
Horizontal	15570.064	63.44	-7.83	55.61	74.00	-18.39	PK
Horizontal	15570.064	49.92	-7.83	42.09	54.00	-11.91	AV
Middle Channel (5230 MHz)-Above 1G							
Vertical	4739.023	73.64	-20.12	53.51	68.20	-14.69	PK
Vertical	4739.023	59.17	-20.12	39.05	54.00	-14.95	AV
Vertical	10460.178	62.62	-9.21	53.41	68.20	-14.79	PK
Vertical	10460.178	49.50	-9.21	40.29	54.00	-13.71	AV
Vertical	15690.158	62.82	-7.79	55.03	74.00	-18.97	PK
Vertical	15690.158	49.69	-7.79	41.90	54.00	-12.10	AV
Horizontal	4739.183	70.34	-20.12	50.22	68.20	-17.98	PK
Horizontal	4739.183	59.32	-20.12	39.20	54.00	-14.80	AV
Horizontal	10460.165	62.25	-9.21	53.04	68.20	-15.16	PK
Horizontal	10460.165	49.60	-9.21	40.39	54.00	-13.61	AV
Horizontal	15690.048	64.62	-7.79	56.83	74.00	-17.17	PK
Horizontal	15690.048	49.84	-7.79	42.05	54.00	-11.95	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	4434.144	73.78	-20.73	53.05	68.20	-15.15	PK
Vertical	4434.144	59.77	-20.73	39.04	54.00	-14.96	AV
Vertical	10420.157	64.63	-9.27	55.36	68.20	-12.84	PK
Vertical	10420.157	49.63	-9.27	40.36	54.00	-13.64	AV
Vertical	15630.003	64.56	-7.81	56.75	74.00	-17.25	PK
Vertical	15630.003	49.80	-7.81	41.99	54.00	-12.01	AV
Horizontal	4434.049	72.40	-20.73	51.67	68.20	-16.53	PK
Horizontal	4434.049	59.14	-20.73	38.41	54.00	-15.59	AV
Horizontal	10420.046	41.84	9.27	51.11	68.20	-17.09	PK
Horizontal	10420.046	29.80	9.27	39.07	54.00	-14.93	AV
Horizontal	15630.012	61.25	-7.81	53.44	74.00	-20.56	PK
Horizontal	15630.012	49.42	-7.81	41.61	54.00	-12.39	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) - 802.11ax-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	4434.159	70.72	-20.73	49.98	68.20	-18.22	PK
Vertical	4434.159	59.24	-20.73	38.51	54.00	-15.49	AV
Vertical	10360.006	61.10	-9.36	51.74	68.20	-16.46	PK
Vertical	10360.006	49.94	-9.36	40.58	54.00	-13.42	AV
Vertical	15540.163	60.36	-7.84	52.52	74.00	-21.48	PK
Vertical	15540.163	50.00	-7.84	42.16	54.00	-11.84	AV
Horizontal	4434.161	71.04	-20.73	50.31	68.20	-17.89	PK
Horizontal	4434.161	59.31	-20.73	38.58	54.00	-15.42	AV
Horizontal	10360.008	63.75	-9.36	54.39	68.20	-13.81	PK
Horizontal	10360.008	49.56	-9.36	40.20	54.00	-13.80	AV
Horizontal	15540.035	63.21	-7.84	55.37	74.00	-18.63	PK
Horizontal	15540.035	49.21	-7.84	41.37	54.00	-12.63	AV
Middle Channel (5200 MHz)-Above 1G							
Vertical	4592.122	72.20	-20.42	51.78	74.00	-22.22	PK
Vertical	4592.122	59.01	-20.42	38.60	54.00	-15.40	AV
Vertical	10400.016	63.24	-9.30	53.94	68.20	-14.26	PK
Vertical	10400.016	49.45	-9.30	40.15	54.00	-13.85	AV
Vertical	15600.117	61.36	-7.82	53.54	74.00	-20.46	PK
Vertical	15600.117	49.55	-7.82	41.73	54.00	-12.27	AV
Horizontal	4592.095	74.64	-20.42	54.22	74.00	-19.78	PK
Horizontal	4592.095	59.44	-20.42	39.02	54.00	-14.98	AV
Horizontal	10400.144	61.44	-9.30	52.14	68.20	-16.06	PK
Horizontal	10400.144	49.09	-9.30	39.79	54.00	-14.21	AV
Horizontal	15600.004	60.08	-7.82	52.26	74.00	-21.74	PK
Horizontal	15600.004	49.23	-7.82	41.41	54.00	-12.59	AV
High Channel (5240 MHz)-Above 1G							
Vertical	4739.049	74.92	-20.12	54.80	74.00	-19.20	PK
Vertical	4739.049	59.68	-20.12	39.56	54.00	-14.44	AV
Vertical	10480.107	60.31	-9.18	51.13	68.20	-17.07	PK
Vertical	10480.107	49.76	-9.18	40.58	54.00	-13.42	AV
Vertical	15720.084	60.95	-7.78	53.17	74.00	-20.83	PK
Vertical	15720.084	49.35	-7.78	41.57	54.00	-12.43	AV
Horizontal	4739.069	71.59	-20.12	51.47	74.00	-22.53	PK
Horizontal	4739.069	59.53	-20.12	39.41	54.00	-14.59	AV
Horizontal	10480.019	64.09	-9.18	54.91	68.20	-13.29	PK
Horizontal	10480.019	49.02	-9.18	39.84	54.00	-14.16	AV
Horizontal	15720.050	61.05	-7.78	53.27	74.00	-20.73	PK
Horizontal	15720.050	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) - 802.11ax-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	4434.026	74.53	-20.73	53.80	68.20	-14.40	PK
Vertical	4434.026	59.75	-20.73	39.02	54.00	-14.98	AV
Vertical	10380.050	63.18	-9.33	53.85	68.20	-14.35	PK
Vertical	10380.050	49.09	-9.33	39.76	54.00	-14.24	AV
Vertical	15570.185	64.21	-7.83	56.38	74.00	-17.62	PK
Vertical	15570.185	49.03	-7.83	41.20	54.00	-12.80	AV
Horizontal	4434.022	72.30	-20.73	51.57	74.00	-22.43	PK
Horizontal	4434.022	59.38	-20.73	38.65	54.00	-15.35	AV
Horizontal	10380.103	64.25	-9.33	54.92	68.20	-13.28	PK
Horizontal	10380.103	49.12	-9.33	39.79	54.00	-14.21	AV
Horizontal	15570.073	64.15	-7.83	56.32	74.00	-17.68	PK
Horizontal	15570.073	49.04	-7.83	41.21	54.00	-12.79	AV
Middle Channel (5230 MHz)-Above 1G							
Vertical	4739.154	73.90	-20.12	53.78	68.20	-14.42	PK
Vertical	4739.154	59.67	-20.12	39.55	54.00	-14.45	AV
Vertical	10460.046	62.39	-9.21	53.18	68.20	-15.02	PK
Vertical	10460.046	49.18	-9.21	39.97	54.00	-14.03	AV
Vertical	15690.010	60.24	-7.79	52.45	74.00	-21.55	PK
Vertical	15690.010	49.24	-7.79	41.45	54.00	-12.55	AV
Horizontal	4739.084	73.00	-20.12	52.87	68.20	-15.33	PK
Horizontal	4739.084	59.77	-20.12	39.65	54.00	-14.35	AV
Horizontal	10460.120	61.72	-9.21	52.51	68.20	-15.69	PK
Horizontal	10460.120	49.03	-9.21	39.82	54.00	-14.18	AV
Horizontal	15690.061	62.39	-7.79	54.60	74.00	-19.40	PK
Horizontal	15690.061	49.49	-7.79	41.70	54.00	-12.30	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) - 802.11ax 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	4434.036	72.80	-20.73	52.07	68.20	-16.13	PK
Vertical	4434.036	59.03	-20.73	38.30	54.00	-15.70	AV
Vertical	10420.121	64.37	-9.27	55.10	68.20	-13.10	PK
Vertical	10420.121	49.54	-9.27	40.27	54.00	-13.73	AV
Vertical	15630.041	62.12	-7.81	54.31	74.00	-19.69	PK
Vertical	15630.041	49.04	-7.81	41.23	54.00	-12.77	AV
Horizontal	4434.188	70.67	-20.73	49.93	68.20	-18.27	PK
Horizontal	4434.188	59.16	-20.73	38.43	54.00	-15.57	AV
Horizontal	10420.144	43.22	9.27	52.49	68.20	-15.71	PK
Horizontal	10420.144	29.92	9.27	39.19	54.00	-14.81	AV
Horizontal	15630.181	60.28	-7.81	52.47	74.00	-21.53	PK
Horizontal	15630.181	49.11	-7.81	41.30	54.00	-12.70	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	4679.128	70.56	-20.24	50.32	74.00	-23.68	PK
Vertical	4679.128	59.64	-20.24	39.39	54.00	-14.61	AV
Vertical	11490.032	60.47	-8.79	51.68	68.20	-16.52	PK
Vertical	11490.032	49.08	-8.79	40.29	54.00	-13.71	AV
Vertical	17235.014	55.46	-3.18	52.28	68.20	-15.92	PK
Vertical	17235.014	44.71	-3.18	41.53	54.00	-12.47	AV
Horizontal	4679.093	74.83	-20.73	54.10	74.00	-19.90	PK
Horizontal	4679.093	59.88	-20.73	39.15	54.00	-14.85	AV
Horizontal	11490.122	62.31	-8.79	53.52	68.20	-14.68	PK
Horizontal	11490.122	49.62	-8.79	40.83	54.00	-13.17	AV
Horizontal	17235.038	55.19	-3.18	52.01	68.20	-16.19	PK
Horizontal	17235.038	44.93	-3.18	41.75	54.00	-12.25	AV
Middle Channel (5785 MHz)-Above 1G							
Vertical	4592.174	73.62	-20.42	53.21	74.00	-20.79	PK
Vertical	4592.174	59.84	-20.42	39.43	54.00	-14.57	AV
Vertical	11570.178	62.39	-8.86	53.53	68.20	-14.67	PK
Vertical	11570.178	49.06	-8.86	40.20	54.00	-13.80	AV
Vertical	17355.169	57.11	-2.52	54.59	68.20	-13.61	PK
Vertical	17355.169	44.67	-2.52	42.15	54.00	-11.85	AV
Horizontal	4592.199	73.15	-20.42	52.73	74.00	-21.27	PK
Horizontal	4592.199	59.25	-20.42	38.83	54.00	-15.17	AV
Horizontal	11570.037	61.07	-8.86	52.21	68.20	-15.99	PK
Horizontal	11570.037	49.30	-8.86	40.44	54.00	-13.56	AV
Horizontal	17355.070	55.58	-2.52	53.06	68.20	-15.14	PK
Horizontal	17355.070	44.76	-2.52	42.24	54.00	-11.76	AV
High Channel (5825 MHz)-Above 1G							
Vertical	6039.174	72.90	-18.93	53.97	68.20	-14.23	PK
Vertical	6039.174	59.45	-18.93	40.52	54.00	-13.48	AV
Vertical	11650.066	62.08	-8.92	53.16	74.00	-20.84	PK
Vertical	11650.066	49.57	-8.92	40.65	54.00	-13.35	AV
Vertical	17475.128	56.32	-1.86	54.46	68.20	-13.74	PK
Vertical	17475.128	44.48	-1.86	42.62	54.00	-11.38	AV
Horizontal	6039.159	70.76	-18.93	51.83	68.20	-16.37	PK
Horizontal	6039.159	59.40	-18.93	40.47	54.00	-13.53	AV
Horizontal	11650.118	60.74	-8.92	51.82	74.00	-22.18	PK
Horizontal	11650.118	49.44	-8.92	40.52	54.00	-13.48	AV
Horizontal	17475.163	56.61	-1.86	54.75	68.20	-13.45	PK
Horizontal	17475.163	44.14	-1.86	42.28	54.00	-11.72	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	4679.114	74.98	-20.24	54.74	74.00	-19.26	PK
Vertical	4679.114	59.04	-20.24	38.79	54.00	-15.21	AV
Vertical	11490.101	60.30	-8.79	51.51	68.20	-16.69	PK
Vertical	11490.101	49.83	-8.79	41.04	54.00	-12.96	AV
Vertical	17235.133	57.67	-3.18	54.49	68.20	-13.71	PK
Vertical	17235.133	44.80	-3.18	41.62	54.00	-12.38	AV
Horizontal	4679.060	70.40	-20.24	50.16	74.00	-23.84	PK
Horizontal	4679.060	59.79	-20.24	39.55	54.00	-14.45	AV
Horizontal	11490.180	61.40	-8.79	52.61	68.20	-15.59	PK
Horizontal	11490.180	49.66	-8.79	40.87	54.00	-13.13	AV
Horizontal	17235.144	56.87	-3.18	53.69	68.20	-14.51	PK
Horizontal	17235.144	44.24	-3.18	41.06	54.00	-12.94	AV
Middle Channel (5785 MHz)-Above 1G							
Vertical	4592.077	71.16	-20.42	50.75	74.00	-23.25	PK
Vertical	4592.077	59.26	-20.42	38.84	54.00	-15.16	AV
Vertical	11570.007	63.83	-8.86	54.97	68.20	-13.23	PK
Vertical	11570.007	49.07	-8.86	40.21	54.00	-13.79	AV
Vertical	17355.125	55.36	-2.52	52.84	68.20	-15.36	PK
Vertical	17355.125	44.08	-2.52	41.56	54.00	-12.44	AV
Horizontal	4592.169	71.23	-20.42	50.82	74.00	-23.18	PK
Horizontal	4592.169	59.24	-20.42	38.82	54.00	-15.18	AV
Horizontal	11570.024	61.07	-8.86	52.21	68.20	-15.99	PK
Horizontal	11570.024	49.42	-8.86	40.56	54.00	-13.44	AV
Horizontal	17355.060	55.46	-2.52	52.94	68.20	-15.26	PK
Horizontal	17355.060	44.24	-2.52	41.72	54.00	-12.28	AV
High Channel (5825 MHz)-Above 1G							
Vertical	6039.139	72.37	-18.93	53.44	68.20	-14.76	PK
Vertical	6039.139	59.56	-18.93	40.63	54.00	-13.37	AV
Vertical	11650.084	60.84	-8.92	51.92	74.00	-22.08	PK
Vertical	11650.084	49.78	-8.92	40.86	54.00	-13.14	AV
Vertical	17475.128	59.68	-1.86	57.82	68.20	-10.38	PK
Vertical	17475.128	44.35	-1.86	42.49	54.00	-11.51	AV
Horizontal	6039.103	72.30	-18.93	53.37	68.20	-14.83	PK
Horizontal	6039.103	59.96	-18.93	41.03	54.00	-12.97	AV
Horizontal	11650.192	61.32	-8.92	52.40	74.00	-21.60	PK
Horizontal	11650.192	49.81	-8.92	40.89	54.00	-13.11	AV
Horizontal	17475.136	56.92	-1.86	55.06	68.20	-13.14	PK
Horizontal	17475.136	44.56	-1.86	42.70	54.00	-11.30	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	4679.050	73.19	-20.24	52.95	74.00	-21.05	PK
Vertical	4679.050	59.49	-20.24	39.25	54.00	-14.75	AV
Vertical	11510.125	61.12	-8.81	52.31	74.00	-21.69	PK
Vertical	11510.125	49.56	-8.81	40.75	54.00	-13.25	AV
Vertical	17265.004	57.21	-3.01	54.20	68.20	-14.00	PK
Vertical	17265.004	44.62	-3.01	41.61	54.00	-12.39	AV
Horizontal	4679.133	72.96	-20.24	52.72	74.00	-21.28	PK
Horizontal	4679.133	59.97	-20.24	39.73	54.00	-14.27	AV
Horizontal	11510.051	60.94	-8.81	52.13	74.00	-21.87	PK
Horizontal	11510.051	49.58	-8.81	40.77	54.00	-13.23	AV
Horizontal	17265.181	55.56	-3.01	52.55	68.20	-15.65	PK
Horizontal	17265.181	44.83	-3.01	41.82	54.00	-12.18	AV
Middle Channel (5795 MHz)-Above 1G							
Vertical	6039.128	70.49	-18.93	51.56	68.20	-16.64	PK
Vertical	6039.128	59.44	-18.93	40.51	54.00	-13.49	AV
Vertical	11590.167	62.89	-8.87	54.02	74.00	-19.98	PK
Vertical	11590.167	49.96	-8.87	41.09	54.00	-12.91	AV
Vertical	17385.187	57.62	-2.35	55.27	68.20	-12.93	PK
Vertical	17385.187	44.92	-2.35	42.57	54.00	-11.43	AV
Horizontal	6039.017	72.43	-18.93	53.49	68.20	-14.71	PK
Horizontal	6039.017	59.53	-18.93	40.60	54.00	-13.40	AV
Horizontal	11590.011	62.69	-8.87	53.82	74.00	-20.18	PK
Horizontal	11590.011	49.45	-8.87	40.58	54.00	-13.42	AV
Horizontal	17385.108	58.54	-2.35	56.19	68.20	-12.01	PK
Horizontal	17385.108	44.72	-2.35	42.37	54.00	-11.63	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	4679.188	72.39	-20.24	52.15	74.00	-21.85	PK
Vertical	4679.188	59.74	-20.24	39.49	54.00	-14.51	AV
Vertical	11490.026	62.96	-8.79	54.17	68.20	-14.03	PK
Vertical	11490.026	49.08	-8.79	40.29	54.00	-13.71	AV
Vertical	17235.031	59.56	-3.18	56.38	68.20	-11.82	PK
Vertical	17235.031	44.91	-3.18	41.73	54.00	-12.27	AV
Horizontal	4679.049	73.26	-20.24	53.02	74.00	-20.98	PK
Horizontal	4679.049	59.34	-20.24	39.10	54.00	-14.90	AV
Horizontal	11490.026	62.44	-8.79	53.65	68.20	-14.55	PK
Horizontal	11490.026	49.77	-8.79	40.98	54.00	-13.02	AV
Horizontal	17235.062	56.16	-3.18	52.98	68.20	-15.22	PK
Horizontal	17235.062	44.52	-3.18	41.34	54.00	-12.66	AV
Middle Channel (5785 MHz)-Above 1G							
Vertical	4592.130	70.50	-20.42	50.08	74.00	-23.92	PK
Vertical	4592.130	59.20	-20.42	38.78	54.00	-15.22	AV
Vertical	11570.116	61.66	-8.86	52.80	68.20	-15.40	PK
Vertical	11570.116	49.05	-8.86	40.19	54.00	-13.81	AV
Vertical	17355.048	58.20	-2.52	55.68	68.20	-12.52	PK
Vertical	17355.048	44.34	-2.52	41.82	54.00	-12.18	AV
Horizontal	4592.059	70.66	-20.42	50.24	74.00	-23.76	PK
Horizontal	4592.059	59.70	-20.42	39.29	54.00	-14.71	AV
Horizontal	11570.043	63.60	-8.86	54.74	68.20	-13.46	PK
Horizontal	11570.043	49.90	-8.86	41.04	54.00	-12.96	AV
Horizontal	17355.111	58.39	-2.52	55.87	68.20	-12.33	PK
Horizontal	17355.111	44.57	-2.52	42.05	54.00	-11.95	AV
High Channel (5825 MHz)-Above 1G							
Vertical	6039.094	70.97	-18.93	52.04	68.20	-16.16	PK
Vertical	6039.094	59.95	-18.93	41.02	54.00	-12.98	AV
Vertical	11650.087	64.75	-8.92	55.83	74.00	-18.17	PK
Vertical	11650.087	49.70	-8.92	40.78	54.00	-13.22	AV
Vertical	17475.138	55.10	-1.86	53.24	68.20	-14.96	PK
Vertical	17475.138	44.21	-1.86	42.35	54.00	-11.65	AV
Horizontal	6039.179	74.11	-18.93	55.18	68.20	-13.02	PK
Horizontal	6039.179	59.03	-18.93	40.10	54.00	-13.90	AV
Horizontal	11650.135	64.47	-8.92	55.55	74.00	-18.45	PK
Horizontal	11650.135	49.44	-8.92	40.52	54.00	-13.48	AV
Horizontal	17475.153	59.36	-1.86	57.50	68.20	-10.70	PK
Horizontal	17475.153	44.77	-1.86	42.91	54.00	-11.09	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	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	4679.044	70.08	-20.24	49.84	74.00	-24.16	PK
Vertical	4679.044	59.15	-20.24	38.91	54.00	-15.09	AV
Vertical	11510.149	61.65	-8.81	52.84	74.00	-21.16	PK
Vertical	11510.149	49.13	-8.81	40.32	54.00	-13.68	AV
Vertical	17265.009	56.20	-3.01	53.19	68.20	-15.01	PK
Vertical	17265.009	44.64	-3.01	41.63	54.00	-12.37	AV
Horizontal	4679.072	70.96	-20.24	50.72	74.00	-23.28	PK
Horizontal	4679.072	59.90	-20.24	39.65	54.00	-14.35	AV
Horizontal	11510.190	64.62	-8.81	55.81	74.00	-18.19	PK
Horizontal	11510.190	49.31	-8.81	40.50	54.00	-13.50	AV
Horizontal	17265.074	58.43	-3.01	55.42	68.20	-12.78	PK
Horizontal	17265.074	44.99	-3.01	41.98	54.00	-12.02	AV
Middle Channel (5795 MHz)-Above 1G							
Vertical	6039.161	71.53	-18.93	52.60	68.20	-15.60	PK
Vertical	6039.161	59.56	-18.93	40.63	54.00	-13.37	AV
Vertical	11590.198	60.13	-8.87	51.26	74.00	-22.74	PK
Vertical	11590.198	49.59	-8.87	40.72	54.00	-13.28	AV
Vertical	17385.101	57.63	-2.35	55.28	68.20	-12.92	PK
Vertical	17385.101	44.62	-2.35	42.27	54.00	-11.73	AV
Horizontal	6039.166	74.59	-18.93	55.66	68.20	-12.54	PK
Horizontal	6039.166	59.61	-18.93	40.68	54.00	-13.32	AV
Horizontal	11590.122	60.97	-8.87	52.10	74.00	-21.90	PK
Horizontal	11590.122	49.08	-8.87	40.21	54.00	-13.79	AV
Horizontal	17385.163	57.64	-2.35	55.29	68.20	-12.91	PK
Horizontal	17385.163	44.08	-2.35	41.73	54.00	-12.27	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	4679.100	73.18	-20.24	52.94	74.00	-21.06	PK
Vertical	4679.100	59.36	-20.24	39.12	54.00	-14.88	AV
Vertical	11550.069	62.88	-8.84	54.04	74.00	-19.96	PK
Vertical	11550.069	49.69	-8.84	40.85	54.00	-13.15	AV
Vertical	17325.047	57.43	-2.68	54.75	68.20	-13.45	PK
Vertical	17325.047	44.90	-2.68	42.22	54.00	-11.78	AV
Horizontal	4679.143	72.71	-20.24	52.47	74.00	-21.53	PK
Horizontal	4679.143	59.73	-20.24	39.49	54.00	-14.51	AV
Horizontal	11550.138	62.75	-8.84	53.91	74.00	-20.09	PK
Horizontal	11550.138	49.58	-8.84	40.74	54.00	-13.26	AV
Horizontal	17325.168	58.80	-2.68	56.12	68.20	-12.08	PK
Horizontal	17325.168	44.34	-2.68	41.66	54.00	-12.34	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) --802.11ax-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	4679.060	73.66	-20.24	53.42	74.00	-20.58	PK
Vertical	4679.060	59.09	-20.24	38.85	54.00	-15.15	AV
Vertical	11490.119	61.15	-8.79	52.36	68.20	-15.84	PK
Vertical	11490.119	49.43	-8.79	40.64	54.00	-13.36	AV
Vertical	17235.135	59.18	-3.18	56.00	68.20	-12.20	PK
Vertical	17235.135	44.71	-3.18	41.53	54.00	-12.47	AV
Horizontal	4679.093	74.74	-20.24	54.49	74.00	-19.51	PK
Horizontal	4679.093	59.43	-20.24	39.19	54.00	-14.81	AV
Horizontal	11490.118	61.71	-8.79	52.92	68.20	-15.28	PK
Horizontal	11490.118	49.47	-8.79	40.68	54.00	-13.32	AV
Horizontal	17235.196	58.11	-3.18	54.93	68.20	-13.27	PK
Horizontal	17235.196	44.74	-3.18	41.56	54.00	-12.44	AV
Middle Channel (5785 MHz)-Above 1G							
Vertical	4592.110	72.48	-20.42	52.06	74.00	-21.94	PK
Vertical	4592.110	59.28	-20.42	38.86	54.00	-15.14	AV
Vertical	11570.087	64.65	-8.86	55.79	68.20	-12.41	PK
Vertical	11570.087	49.65	-8.86	40.79	54.00	-13.21	AV
Vertical	17355.119	57.88	-2.52	55.36	68.20	-12.84	PK
Vertical	17355.119	44.71	-2.52	42.19	54.00	-11.81	AV
Horizontal	4592.153	74.11	-20.42	53.70	74.00	-20.30	PK
Horizontal	4592.153	59.25	-20.42	38.84	54.00	-15.16	AV
Horizontal	11570.098	63.98	-8.86	55.12	68.20	-13.08	PK
Horizontal	11570.098	49.75	-8.86	40.89	54.00	-13.11	AV
Horizontal	17355.116	55.26	-2.52	52.74	68.20	-15.46	PK
Horizontal	17355.116	44.00	-2.52	41.48	54.00	-12.52	AV
High Channel (5825 MHz)-Above 1G							
Vertical	6039.175	71.57	-18.93	52.64	68.20	-15.56	PK
Vertical	6039.175	59.80	-18.93	40.87	54.00	-13.13	AV
Vertical	11650.163	60.43	-8.92	51.51	74.00	-22.49	PK
Vertical	11650.163	49.69	-8.92	40.77	54.00	-13.23	AV
Vertical	17475.054	59.57	-1.86	57.71	68.20	-10.49	PK
Vertical	17475.054	44.76	-1.86	42.90	54.00	-11.10	AV
Horizontal	6039.024	71.11	-18.93	52.18	68.20	-16.02	PK
Horizontal	6039.024	59.21	-18.93	40.28	54.00	-13.72	AV
Horizontal	11650.136	62.18	-8.92	53.26	74.00	-20.74	PK
Horizontal	11650.136	49.86	-8.92	40.94	54.00	-13.06	AV
Horizontal	17475.070	55.79	-1.86	53.93	68.20	-14.27	PK
Horizontal	17475.070	44.12	-1.86	42.26	54.00	-11.74	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) -- 802.11ax-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	4679.144	73.68	-20.24	53.44	74.00	-20.56	PK
Vertical	4679.144	59.90	-20.24	39.66	54.00	-14.34	AV
Vertical	11510.047	60.64	-8.81	51.83	74.00	-22.17	PK
Vertical	11510.047	49.37	-8.81	40.56	54.00	-13.44	AV
Vertical	17265.085	58.44	-3.01	55.43	68.20	-12.77	PK
Vertical	17265.085	44.92	-3.01	41.91	54.00	-12.09	AV
Horizontal	4679.115	73.14	-20.24	52.90	74.00	-21.10	PK
Horizontal	4679.115	59.36	-20.24	39.11	54.00	-14.89	AV
Horizontal	11510.074	61.59	-8.81	52.78	74.00	-21.22	PK
Horizontal	11510.074	49.58	-8.81	40.77	54.00	-13.23	AV
Horizontal	17265.199	59.58	-3.01	56.57	68.20	-11.63	PK
Horizontal	17265.199	44.54	-3.01	41.53	54.00	-12.47	AV
Middle Channel (5795 MHz)-Above 1G							
Vertical	6039.020	74.69	-18.93	55.75	68.20	-12.45	PK
Vertical	6039.020	59.31	-18.93	40.37	54.00	-13.63	AV
Vertical	11590.191	62.51	-8.87	53.64	74.00	-20.36	PK
Vertical	11590.191	49.64	-8.87	40.77	54.00	-13.23	AV
Vertical	17385.087	59.30	-2.35	56.95	68.20	-11.25	PK
Vertical	17385.087	44.58	-2.35	42.23	54.00	-11.77	AV
Horizontal	6039.079	74.26	-18.93	55.33	68.20	-12.87	PK
Horizontal	6039.079	59.25	-18.93	40.32	54.00	-13.68	AV
Horizontal	11590.184	64.44	-8.87	55.57	74.00	-18.43	PK
Horizontal	11590.184	49.17	-8.87	40.30	54.00	-13.70	AV
Horizontal	17385.114	55.05	-2.35	52.70	68.20	-15.50	PK
Horizontal	17385.114	44.92	-2.35	42.57	54.00	-11.43	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) -- 802.11ax 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	4679.083	70.22	-20.24	49.98	74.00	-24.02	PK
Vertical	4679.083	59.46	-20.24	39.22	54.00	-14.78	AV
Vertical	11550.004	63.01	-8.84	54.17	74.00	-19.83	PK
Vertical	11550.004	49.77	-8.84	40.93	54.00	-13.07	AV
Vertical	17325.144	59.53	-2.68	56.85	68.20	-11.35	PK
Vertical	17325.144	44.64	-2.68	41.96	54.00	-12.04	AV
Horizontal	4679.104	72.28	-20.24	52.04	74.00	-21.96	PK
Horizontal	4679.104	59.21	-20.24	38.97	54.00	-15.03	AV
Horizontal	11550.076	60.68	-8.84	51.84	74.00	-22.16	PK
Horizontal	11550.076	49.23	-8.84	40.39	54.00	-13.61	AV
Horizontal	17325.003	58.80	-2.68	56.12	68.20	-12.08	PK
Horizontal	17325.003	44.75	-2.68	42.07	54.00	-11.93	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) - 802.11a
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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	4434.034	70.51	-20.73	49.77	68.20	-18.43	PK
Vertical	4434.034	59.38	-20.73	38.65	54.00	-15.35	AV
Vertical	10360.162	61.15	-9.36	51.79	68.20	-16.41	PK
Vertical	10360.162	49.86	-9.36	40.50	54.00	-13.50	AV
Vertical	15540.073	62.70	-7.84	54.86	74.00	-19.14	PK
Vertical	15540.073	49.77	-7.84	41.93	54.00	-12.07	AV
Horizontal	4434.156	72.92	-20.73	52.19	68.20	-16.01	PK
Horizontal	4434.156	59.09	-20.73	38.36	54.00	-15.64	AV
Horizontal	10360.100	60.72	-9.36	51.36	68.20	-16.84	PK
Horizontal	10360.100	49.90	-9.36	40.54	54.00	-13.46	AV
Horizontal	15540.157	61.65	-7.84	53.81	74.00	-20.19	PK
Horizontal	15540.157	49.40	-7.84	41.56	54.00	-12.44	AV
Middle Channel (5200 MHz)-Above 1G							
Vertical	4592.136	74.94	-20.42	54.52	74.00	-19.48	PK
Vertical	4592.136	59.10	-20.42	38.68	54.00	-15.32	AV
Vertical	10400.166	63.07	-9.30	53.77	68.20	-14.43	PK
Vertical	10400.166	49.28	-9.30	39.98	54.00	-14.02	AV
Vertical	15600.198	61.69	-7.82	53.87	74.00	-20.13	PK
Vertical	15600.198	49.89	-7.82	42.07	54.00	-11.93	AV
Horizontal	4592.084	72.40	-20.42	51.98	74.00	-22.02	PK
Horizontal	4592.084	59.62	-20.42	39.20	54.00	-14.80	AV
Horizontal	10400.188	61.88	-9.30	52.58	68.20	-15.62	PK
Horizontal	10400.188	49.67	-9.30	40.37	54.00	-13.63	AV
Horizontal	15600.023	60.90	-7.82	53.08	74.00	-20.92	PK
Horizontal	15600.023	49.08	-7.82	41.26	54.00	-12.74	AV
High Channel (5240 MHz)-Above 1G							
Vertical	4739.095	70.45	-20.12	50.33	74.00	-23.67	PK
Vertical	4739.095	59.64	-20.12	39.52	54.00	-14.48	AV
Vertical	10480.199	64.03	-9.18	54.85	68.20	-13.35	PK
Vertical	10480.199	49.08	-9.18	39.90	54.00	-14.10	AV
Vertical	15720.129	62.86	-7.78	55.08	74.00	-18.92	PK
Vertical	15720.129	49.54	-7.78	41.76	54.00	-12.24	AV
Horizontal	4739.112	74.28	-20.12	54.16	74.00	-19.84	PK
Horizontal	4739.112	59.54	-20.12	39.42	54.00	-14.58	AV
Horizontal	10480.149	60.76	-9.18	51.58	68.20	-16.62	PK
Horizontal	10480.149	49.60	-9.18	40.42	54.00	-13.58	AV
Horizontal	15720.043	60.65	-7.78	52.87	74.00	-21.13	PK
Horizontal	15720.043	49.47	-7.78	41.69	54.00	-12.31	AV

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

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

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

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	4434.086	73.05	-20.73	52.32	68.20	-15.88	PK
Vertical	4434.086	59.35	-20.73	38.62	54.00	-15.38	AV
Vertical	10360.117	64.99	-9.36	55.63	68.20	-12.57	PK
Vertical	10360.117	49.56	-9.36	40.20	54.00	-13.80	AV
Vertical	15540.108	62.01	-7.84	54.17	74.00	-19.83	PK
Vertical	15540.108	49.02	-7.84	41.18	54.00	-12.82	AV
Horizontal	4434.186	71.17	-20.73	50.44	68.20	-17.76	PK
Horizontal	4434.186	59.66	-20.73	38.93	54.00	-15.07	AV
Horizontal	10360.089	63.26	-9.36	53.90	68.20	-14.30	PK
Horizontal	10360.089	49.33	-9.36	39.97	54.00	-14.03	AV
Horizontal	15540.169	61.22	-7.84	53.38	74.00	-20.62	PK
Horizontal	15540.169	49.88	-7.84	42.04	54.00	-11.96	AV
Middle Channel (5200 MHz)-Above 1G							
Vertical	4592.008	70.98	-20.42	50.57	74.00	-23.43	PK
Vertical	4592.008	59.95	-20.42	39.53	54.00	-14.47	AV
Vertical	10400.101	63.42	-9.30	54.12	68.20	-14.08	PK
Vertical	10400.101	49.94	-9.30	40.64	54.00	-13.36	AV
Vertical	15600.121	63.22	-7.82	55.40	74.00	-18.60	PK
Vertical	15600.121	49.13	-7.82	41.31	54.00	-12.69	AV
Horizontal	4592.112	70.42	-20.42	50.01	74.00	-23.99	PK
Horizontal	4592.112	59.79	-20.42	39.37	54.00	-14.63	AV
Horizontal	10400.160	61.30	-9.30	52.00	68.20	-16.20	PK
Horizontal	10400.160	49.42	-9.30	40.12	54.00	-13.88	AV
Horizontal	15600.047	60.17	-7.82	52.35	74.00	-21.65	PK
Horizontal	15600.047	49.23	-7.82	41.41	54.00	-12.59	AV
High Channel (5240 MHz)-Above 1G							
Vertical	4739.052	70.98	-20.12	50.86	74.00	-23.14	PK
Vertical	4739.052	59.42	-20.12	39.29	54.00	-14.71	AV
Vertical	10480.183	61.50	-9.18	52.32	68.20	-15.88	PK
Vertical	10480.183	49.49	-9.18	40.31	54.00	-13.69	AV
Vertical	15720.041	62.88	-7.78	55.10	74.00	-18.90	PK
Vertical	15720.041	49.93	-7.78	42.15	54.00	-11.85	AV
Horizontal	4739.103	73.91	-20.12	53.78	74.00	-20.22	PK
Horizontal	4739.103	59.80	-20.12	39.68	54.00	-14.32	AV
Horizontal	10480.097	60.27	-9.18	51.09	68.20	-17.11	PK
Horizontal	10480.097	49.32	-9.18	40.14	54.00	-13.86	AV
Horizontal	15720.116	61.57	-7.78	53.79	74.00	-20.21	PK
Horizontal	15720.116	49.21	-7.78	41.43	54.00	-12.57	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(5.1G) - 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	4434.120	72.42	-20.73	51.69	68.20	-16.51	PK
Vertical	4434.120	59.05	-20.73	38.32	54.00	-15.68	AV
Vertical	10380.057	62.99	-9.33	53.66	68.20	-14.54	PK
Vertical	10380.057	49.88	-9.33	40.55	54.00	-13.45	AV
Vertical	15570.060	61.66	-7.83	53.83	74.00	-20.17	PK
Vertical	15570.060	49.66	-7.83	41.83	54.00	-12.17	AV
Horizontal	4434.005	73.19	-20.73	52.45	74.00	-21.55	PK
Horizontal	4434.005	59.51	-20.73	38.78	54.00	-15.22	AV
Horizontal	10380.015	63.01	-9.33	53.68	68.20	-14.52	PK
Horizontal	10380.015	49.28	-9.33	39.95	54.00	-14.05	AV
Horizontal	15570.069	62.97	-7.83	55.14	74.00	-18.86	PK
Horizontal	15570.069	49.70	-7.83	41.87	54.00	-12.13	AV
Middle Channel (5230 MHz)-Above 1G							
Vertical	4739.079	74.30	-20.12	54.18	68.20	-14.02	PK
Vertical	4739.079	59.61	-20.12	39.49	54.00	-14.51	AV
Vertical	10460.146	62.73	-9.21	53.52	68.20	-14.68	PK
Vertical	10460.146	49.91	-9.21	40.70	54.00	-13.30	AV
Vertical	15690.023	62.44	-7.79	54.65	74.00	-19.35	PK
Vertical	15690.023	49.76	-7.79	41.97	54.00	-12.03	AV
Horizontal	4739.091	72.22	-20.12	52.10	68.20	-16.10	PK
Horizontal	4739.091	59.31	-20.12	39.19	54.00	-14.81	AV
Horizontal	10460.002	63.01	-9.21	53.80	68.20	-14.40	PK
Horizontal	10460.002	49.20	-9.21	39.99	54.00	-14.01	AV
Horizontal	15690.178	64.85	-7.79	57.06	74.00	-16.94	PK
Horizontal	15690.178	49.35	-7.79	41.56	54.00	-12.44	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	4434.064	71.44	-20.73	50.71	68.20	-17.49	PK
Vertical	4434.064	59.22	-20.73	38.49	54.00	-15.51	AV
Vertical	10360.075	60.47	-9.36	51.11	68.20	-17.09	PK
Vertical	10360.075	49.70	-9.36	40.34	54.00	-13.66	AV
Vertical	15540.182	64.40	-7.84	56.56	74.00	-17.44	PK
Vertical	15540.182	49.10	-7.84	41.26	54.00	-12.74	AV
Horizontal	4434.178	71.24	-20.73	50.51	68.20	-17.69	PK
Horizontal	4434.178	59.61	-20.73	38.88	54.00	-15.12	AV
Horizontal	10360.147	64.28	-9.36	54.92	68.20	-13.28	PK
Horizontal	10360.147	49.56	-9.36	40.20	54.00	-13.80	AV
Horizontal	15540.107	63.82	-7.84	55.98	74.00	-18.02	PK
Horizontal	15540.107	49.72	-7.84	41.88	54.00	-12.12	AV
Middle Channel (5200 MHz)-Above 1G							
Vertical	4592.003	72.59	-20.42	52.18	74.00	-21.82	PK
Vertical	4592.003	59.97	-20.42	39.56	54.00	-14.44	AV
Vertical	10400.112	60.10	-9.30	50.80	68.20	-17.40	PK
Vertical	10400.112	49.31	-9.30	40.01	54.00	-13.99	AV
Vertical	15600.152	60.50	-7.82	52.68	74.00	-21.32	PK
Vertical	15600.152	49.18	-7.82	41.36	54.00	-12.64	AV
Horizontal	4592.016	73.04	-20.42	52.63	74.00	-21.37	PK
Horizontal	4592.016	59.81	-20.42	39.39	54.00	-14.61	AV
Horizontal	10400.053	63.87	-9.30	54.57	68.20	-13.63	PK
Horizontal	10400.053	49.45	-9.30	40.15	54.00	-13.85	AV
Horizontal	15600.067	62.06	-7.82	54.24	74.00	-19.76	PK
Horizontal	15600.067	49.18	-7.82	41.36	54.00	-12.64	AV
High Channel (5240 MHz)-Above 1G							
Vertical	4739.199	70.82	-20.12	50.69	74.00	-23.31	PK
Vertical	4739.199	59.62	-20.12	39.50	54.00	-14.50	AV
Vertical	10480.118	61.12	-9.18	51.94	68.20	-16.26	PK
Vertical	10480.118	49.17	-9.18	39.99	54.00	-14.01	AV
Vertical	15720.004	63.49	-7.78	55.71	74.00	-18.29	PK
Vertical	15720.004	49.63	-7.78	41.85	54.00	-12.15	AV
Horizontal	4739.191	72.29	-20.12	52.17	74.00	-21.83	PK
Horizontal	4739.191	59.97	-20.12	39.84	54.00	-14.16	AV
Horizontal	10480.033	63.30	-9.18	54.12	68.20	-14.08	PK
Horizontal	10480.033	49.48	-9.18	40.30	54.00	-13.70	AV
Horizontal	15720.155	60.10	-7.78	52.32	74.00	-21.68	PK
Horizontal	15720.155	49.09	-7.78	41.31	54.00	-12.69	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	4434.033	74.33	-20.73	53.60	68.20	-14.60	PK
Vertical	4434.033	59.15	-20.73	38.41	54.00	-15.59	AV
Vertical	10380.122	62.86	-9.33	53.53	68.20	-14.67	PK
Vertical	10380.122	49.88	-9.33	40.55	54.00	-13.45	AV
Vertical	15570.075	64.75	-7.83	56.92	74.00	-17.08	PK
Vertical	15570.075	49.63	-7.83	41.80	54.00	-12.20	AV
Horizontal	4434.182	74.32	-20.73	53.59	74.00	-20.41	PK
Horizontal	4434.182	59.16	-20.73	38.43	54.00	-15.57	AV
Horizontal	10380.028	61.97	-9.33	52.64	68.20	-15.56	PK
Horizontal	10380.028	49.17	-9.33	39.84	54.00	-14.16	AV
Horizontal	15570.121	64.71	-7.83	56.88	74.00	-17.12	PK
Horizontal	15570.121	49.53	-7.83	41.70	54.00	-12.30	AV
Middle Channel (5230 MHz)-Above 1G							
Vertical	4739.007	71.72	-20.12	51.60	68.20	-16.60	PK
Vertical	4739.007	59.99	-20.12	39.87	54.00	-14.13	AV
Vertical	10460.167	62.14	-9.21	52.93	68.20	-15.27	PK
Vertical	10460.167	49.52	-9.21	40.31	54.00	-13.69	AV
Vertical	15690.029	62.65	-7.79	54.86	74.00	-19.14	PK
Vertical	15690.029	49.22	-7.79	41.43	54.00	-12.57	AV
Horizontal	4739.164	73.86	-20.12	53.74	68.20	-14.46	PK
Horizontal	4739.164	59.88	-20.12	39.76	54.00	-14.24	AV
Horizontal	10460.138	60.05	-9.21	50.84	68.20	-17.36	PK
Horizontal	10460.138	49.61	-9.21	40.40	54.00	-13.60	AV
Horizontal	15690.015	63.13	-7.79	55.34	74.00	-18.66	PK
Horizontal	15690.015	49.71	-7.79	41.92	54.00	-12.08	AV

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

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

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

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	4434.080	71.82	-20.73	51.09	68.20	-17.11	PK
Vertical	4434.080	59.68	-20.73	38.95	54.00	-15.05	AV
Vertical	10420.159	60.14	-9.27	50.87	68.20	-17.33	PK
Vertical	10420.159	49.37	-9.27	40.10	54.00	-13.90	AV
Vertical	15630.195	63.36	-7.81	55.55	74.00	-18.45	PK
Vertical	15630.195	49.85	-7.81	42.04	54.00	-11.96	AV
Horizontal	4434.123	70.34	-20.73	49.61	68.20	-18.59	PK
Horizontal	4434.123	59.56	-20.73	38.83	54.00	-15.17	AV
Horizontal	10420.145	42.39	9.27	51.66	68.20	-16.54	PK
Horizontal	10420.145	29.09	9.27	38.36	54.00	-15.64	AV
Horizontal	15630.131	61.58	-7.81	53.77	74.00	-20.23	PK
Horizontal	15630.131	49.15	-7.81	41.34	54.00	-12.66	AV

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

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

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

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

Test Mode is MIMO Mode.

Test Mode:	TX(5.1G) - 802.11ax-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	4434.146	73.77	-20.73	53.04	68.20	-15.16	PK
Vertical	4434.146	59.63	-20.73	38.90	54.00	-15.10	AV
Vertical	10360.007	62.37	-9.36	53.01	68.20	-15.19	PK
Vertical	10360.007	49.78	-9.36	40.42	54.00	-13.58	AV
Vertical	15540.086	64.37	-7.84	56.53	74.00	-17.47	PK
Vertical	15540.086	49.17	-7.84	41.33	54.00	-12.67	AV
Horizontal	4434.049	72.68	-20.73	51.95	68.20	-16.25	PK
Horizontal	4434.049	59.65	-20.73	38.92	54.00	-15.08	AV
Horizontal	10360.142	60.30	-9.36	50.94	68.20	-17.26	PK
Horizontal	10360.142	49.86	-9.36	40.50	54.00	-13.50	AV
Horizontal	15540.071	63.28	-7.84	55.44	74.00	-18.56	PK
Horizontal	15540.071	49.56	-7.84	41.72	54.00	-12.28	AV
Middle Channel (5200 MHz)-Above 1G							
Vertical	4592.022	74.03	-20.42	53.61	74.00	-20.39	PK
Vertical	4592.022	59.66	-20.42	39.24	54.00	-14.76	AV
Vertical	10400.090	61.84	-9.30	52.54	68.20	-15.66	PK
Vertical	10400.090	49.22	-9.30	39.92	54.00	-14.08	AV
Vertical	15600.120	62.61	-7.82	54.79	74.00	-19.21	PK
Vertical	15600.120	49.54	-7.82	41.72	54.00	-12.28	AV
Horizontal	4592.138	71.46	-20.42	51.05	74.00	-22.95	PK
Horizontal	4592.138	59.32	-20.42	38.91	54.00	-15.09	AV
Horizontal	10400.077	63.01	-9.30	53.71	68.20	-14.49	PK
Horizontal	10400.077	49.86	-9.30	40.56	54.00	-13.44	AV
Horizontal	15600.175	63.81	-7.82	55.99	74.00	-18.01	PK
Horizontal	15600.175	49.86	-7.82	42.04	54.00	-11.96	AV
High Channel (5240 MHz)-Above 1G							
Vertical	4739.034	70.79	-20.12	50.66	74.00	-23.34	PK
Vertical	4739.034	59.18	-20.12	39.05	54.00	-14.95	AV
Vertical	10480.200	62.25	-9.18	53.07	68.20	-15.13	PK
Vertical	10480.200	49.07	-9.18	39.89	54.00	-14.11	AV
Vertical	15720.025	61.60	-7.78	53.82	74.00	-20.18	PK
Vertical	15720.025	49.83	-7.78	42.05	54.00	-11.95	AV
Horizontal	4739.185	72.78	-20.12	52.66	74.00	-21.34	PK
Horizontal	4739.185	59.89	-20.12	39.77	54.00	-14.23	AV
Horizontal	10480.047	60.99	-9.18	51.81	68.20	-16.39	PK
Horizontal	10480.047	49.27	-9.18	40.09	54.00	-13.91	AV
Horizontal	15720.141	62.75	-7.78	54.97	74.00	-19.03	PK
Horizontal	15720.141	49.80	-7.78	42.02	54.00	-11.98	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.