

TEST REPORT

Report No.: BCTC2409322056-3E

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
2024-09-18

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

Issue Date: 2024-10-08

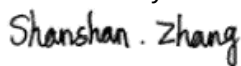
Report No.: BCTC2409322056-3E

Test Standards: FCC Part15.247
ANSI C63.10-2013

Test Results: PASS

Remark: This is WIFI-2.4GHz band radio test report.

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
BCTC2409322056-3E	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	Conducted Emission	15.207	PASS
2	6dB Bandwidth	15.247 (a)(2)	PASS*
3	Peak Output Power	15.247 (b)	PASS*
4	Radiated Spurious Emission	15.247 (d)	PASS
5	Power Spectral Density	15.247 (e)	PASS*
6	Restricted Band of Operation	15.205	PASS
7	Band Edge (Out of Band Emissions)	15.247 (d)	PASS*
8	Antenna Requirement	15.203	PASS

Remark:

1. PASS*: Please refer to the original report BCTC2403806317-3E.

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 (BCTC2403806317-3E).

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(30MHz-1GHz)	U=4.3dB
2	3m chamber Radiated spurious emission(9KHz-30MHz)	U=3.7dB
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℃

CO., LTD.

4. Product Information And Test Setup

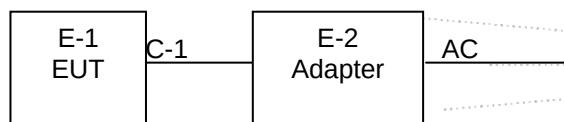
4.1 Product Information

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
Operation Frequency:	802.11b/g/n20/ax20 MHz:2412~2462 MHz 802.11n40/ax40 MHz:2422~2452 MHz
Bit Rate of Transmitter:	802.11b:11/5.5/2/1 Mbps 802.11g:54/48/36/24/18/12/9/6Mbps 802.11n Up to 150Mbps 802.11ax:400Mbps
Type of Modulation:	WIFI: OFDM/DSSS
Number Of Channel:	802.11b/g/n20/ax20MHz:11 CH 802.11n40/ax40MHz: 7 CH
Antenna installation:	Internal antenna*2
Antenna Gain:	WIFI(2.4GHz): Antenna A:2.53 dBi, Antenna B: 1.59 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 MODEL: BSY065T1903423 D
Adapter Information:	INPUT: 100-240V 50/60Hz, 1.5A OUTPUT: DC 19.0V 3.42A 64.98W

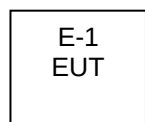
4.2 Test Setup Configuration

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

Channel List for 802.11b/g/n(20)/ax(20)					
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
01	2412	02	2417	03	2422
04	2427	05	2432	06	2437
07	2442	08	2447	09	2452
10	2457	11	2462		

Channel List for 802.11n(40)/ax(40)					
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
03	2422	04	2427	05	2432
06	2437	07	2442	08	2447
09	2452				

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.

For All Mode	Description	Modulation Type
Mode 1	CH 01	802.11b
Mode 2	CH 06	
Mode 3	CH 11	
Mode 4	CH 01	802.11g
Mode 5	CH 06	
Mode 6	CH 11	
Mode 7	CH 01	802.11n20
Mode 8	CH 06	
Mode 9	CH 11	
Mode 10	CH 03	802.11n40
Mode 11	CH 06	
Mode 12	CH 09	
Mode 13	CH 01	802.11ax20
Mode 14	CH 06	
Mode 15	CH 11	
Mode 16	CH 03	802.11ax40
Mode 17	CH 06	
Mode 18	CH 09	
Mode 19	Link mode (Conducted emission & Radiated emission)	

Notes:

1. The measurements are performed at the highest, middle, lowest available channels.
2. The measurements are performed at all Bit Rate of Transmitter, the worst data was reported
3. According to ANSI C63.10 standards, the test results are both the "worst case" and "worst setup" 11Mbps for 802.11b, 6Mbps for 802.11g, 13Mbps for 802.11n(H20), 54Mbps for 802.11n(H40)

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		
Frequency	2412 MHz	2437 MHz	2462 MHz
Parameters	DEF	DEF	DEF
Frequency	2422MHz	2437MHz	2452MHz
Parameters	DEF	DEF	DEF

4.7 Antenna

Table for Internal antenna

Ant.	Brand	Model Name	Antenna Type	Gain (dBi)	NOTE
A	N/A	N/A	Internal antenna	2.53	N/A
B	N/A	N/A	Internal antenna	1.59	N/A

The EUT has two internal antennas, antenna A has a maximum gain GANT of 2.53 dBi and antenna B has a maximum gain GANT of 1.59dBi, CDD device with one spatial streams, also can operat with one spatial streams according to KDB662911 D01 v02r01,
Directional gain= GANT + Array Gain, where Array Gain is as follows.

1)For power spectral density(PSD) measurements,
 $\text{Array Gain} = 10\log(\text{NANT}/\text{NSS})\text{dB} = 10\log(2/1) = 3.01 \text{ dBi}$,
 So the directional gain for PSD is 5.54 dBi

2)For power measurements,
 The Array gain=0 for $\text{NANT} \leq 4$,
 So the directional gain for Power measurements is 2.53 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

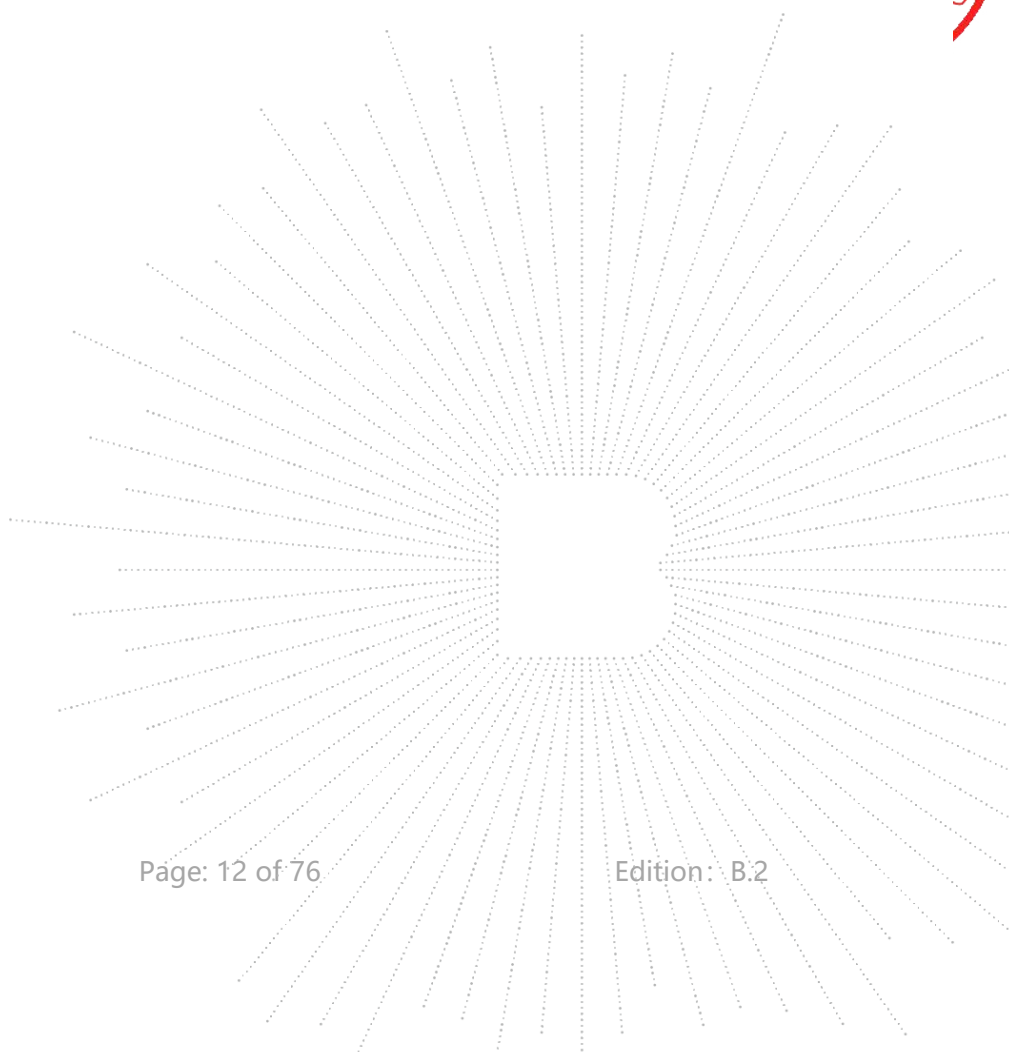
ISED CAB identifier: CN0017

5.2 Test Instrument Used

Conducted Emissions Test					
Equipment	Manufacturer	Model#	Serial#	Last Cal.	Next Cal.
Receiver	R&S	ESR3	102075	May 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

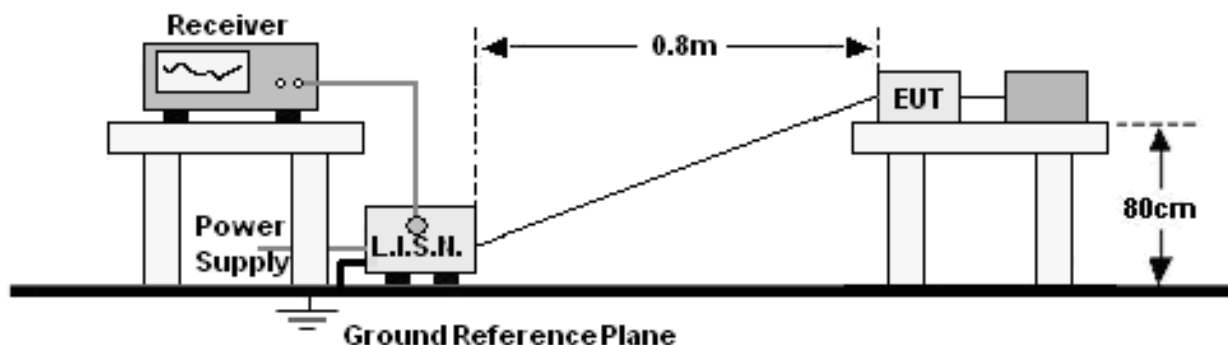
RF Conducted Test					
Equipment	Manufacturer	Model#	Serial#	Last Cal.	Next Cal.
Power meter	Keysight	E4419	\	May 16, 2024	May 15, 2025
Power Sensor (AV)	Keysight	E9300A	\	May 16, 2024	May 15, 2025
Signal Analyzer20kHz-26.5GHz	Keysight	N9020A	MY49100060	May 16, 2024	May 15, 2025
Spectrum Analyzer9kHz-40GHz	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	\	\



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.

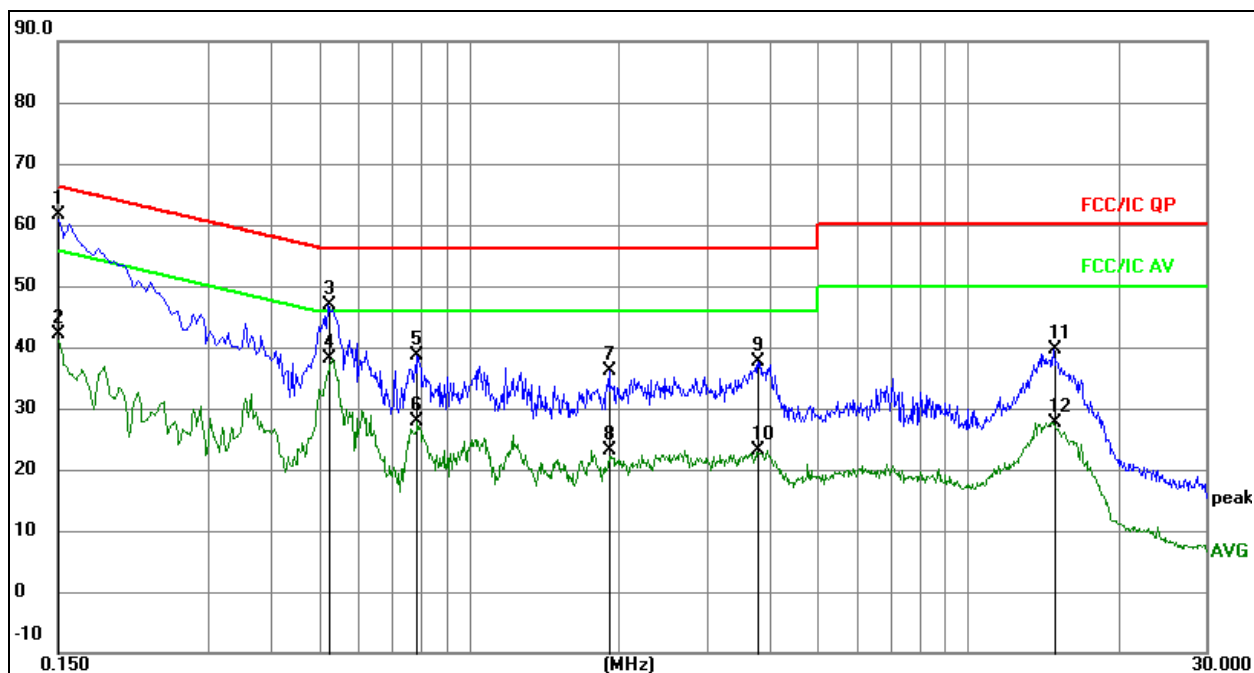
6.4 EUT operating Conditions

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

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

Temperature:	26 °C	Relative Humidity:	54%
Pressure:	101KPa	Phase :	L
Test Mode:	Mode 19	Test Voltage :	AC 120V/60Hz

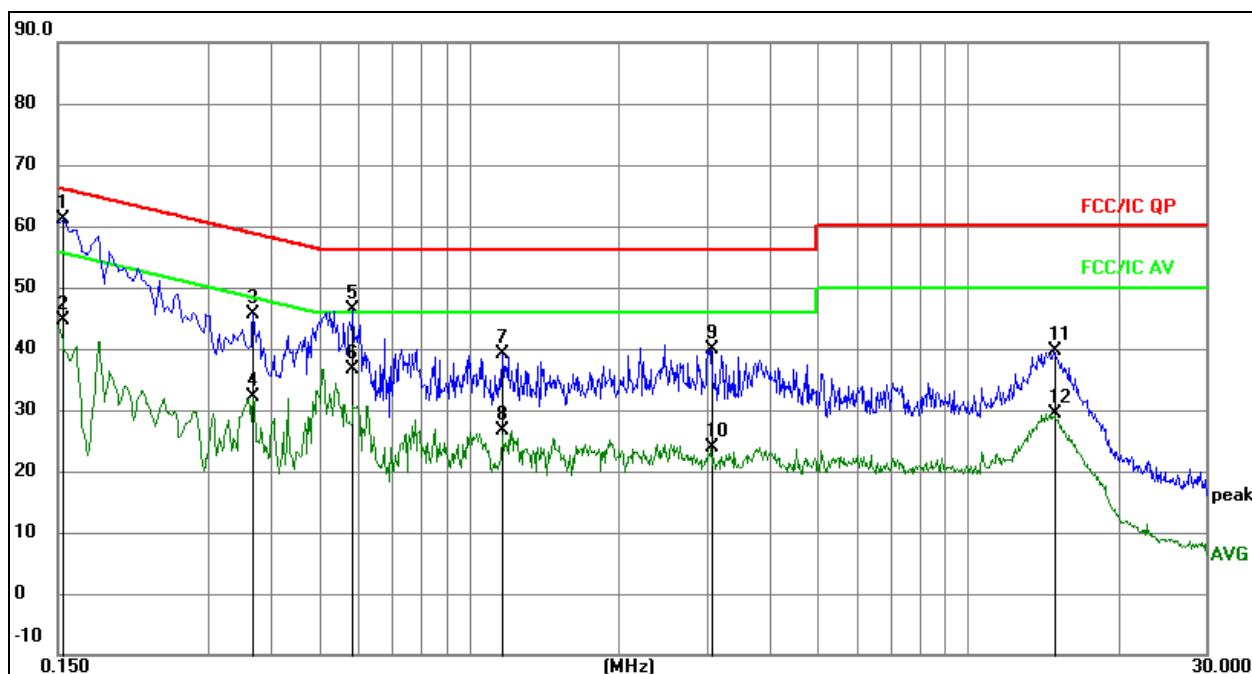


Remark:

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	*	0.1500	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 19	Test Voltage :	AC 120V/60Hz



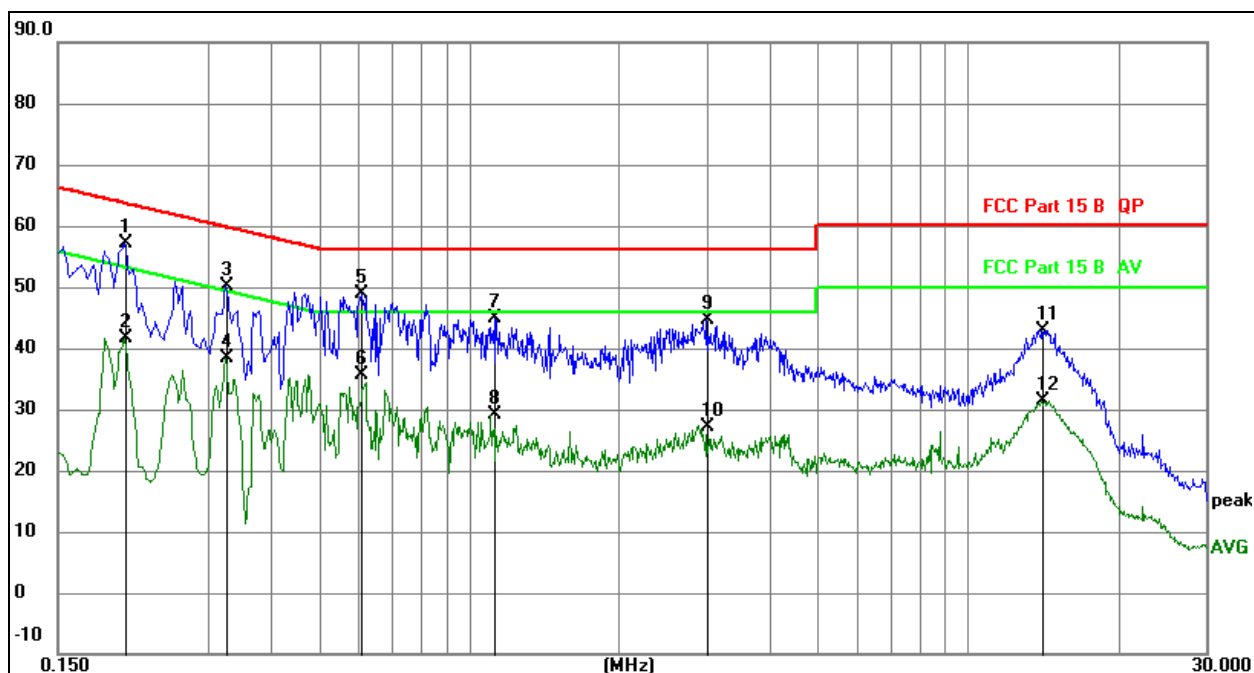
Remark:

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	*	0.1539	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 19	Test Voltage :	AC 120V/60Hz

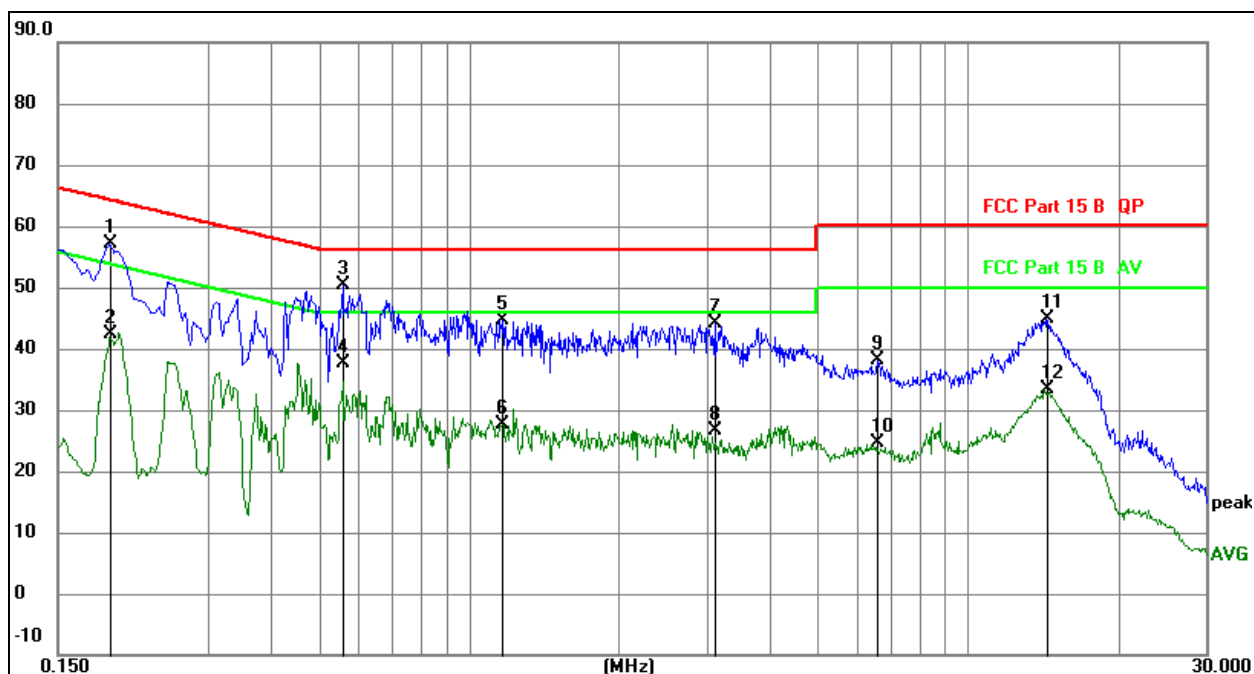


Remark:

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 19	Test Voltage :	AC 120V/60Hz



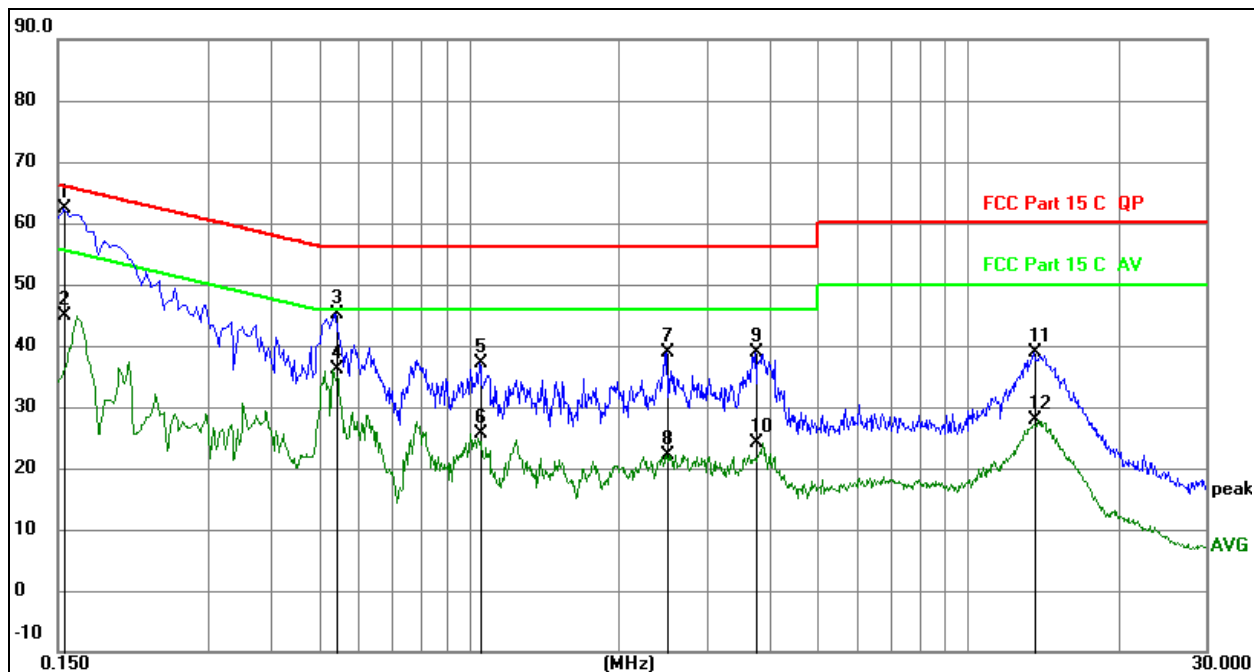
Remark:

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 19	Test Voltage :	AC 120V/60Hz

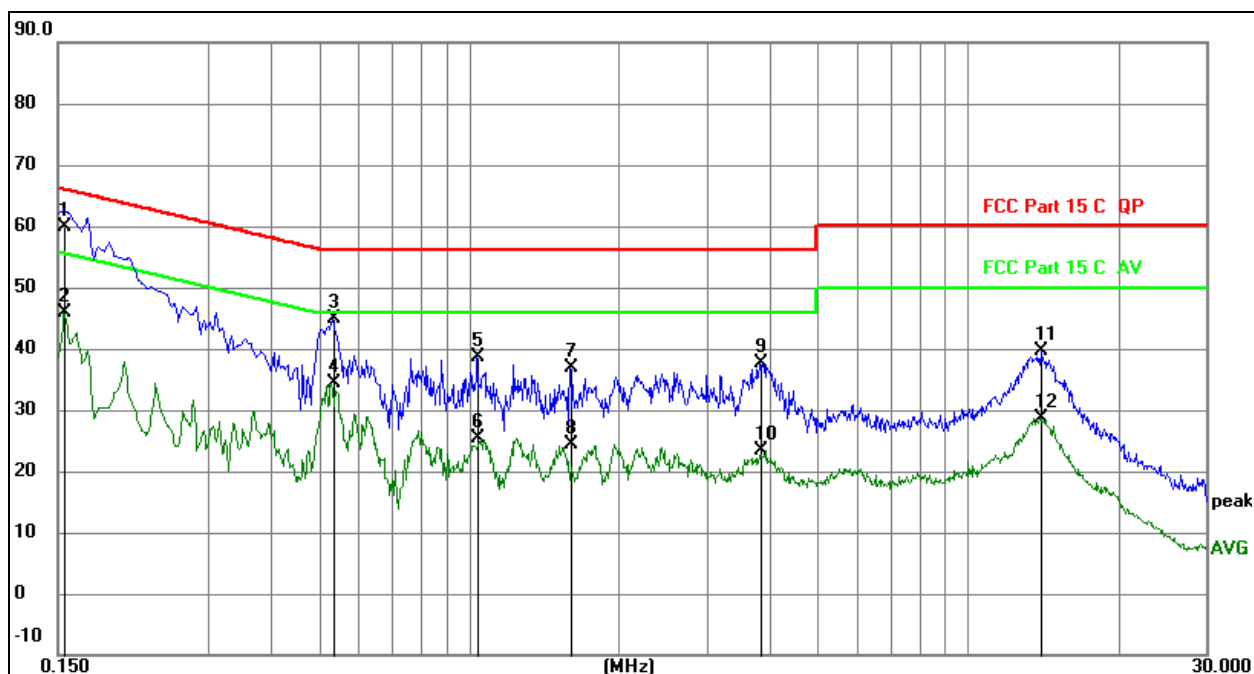


Remark:

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 dB	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 19	Test Voltage :	AC 120V/60Hz

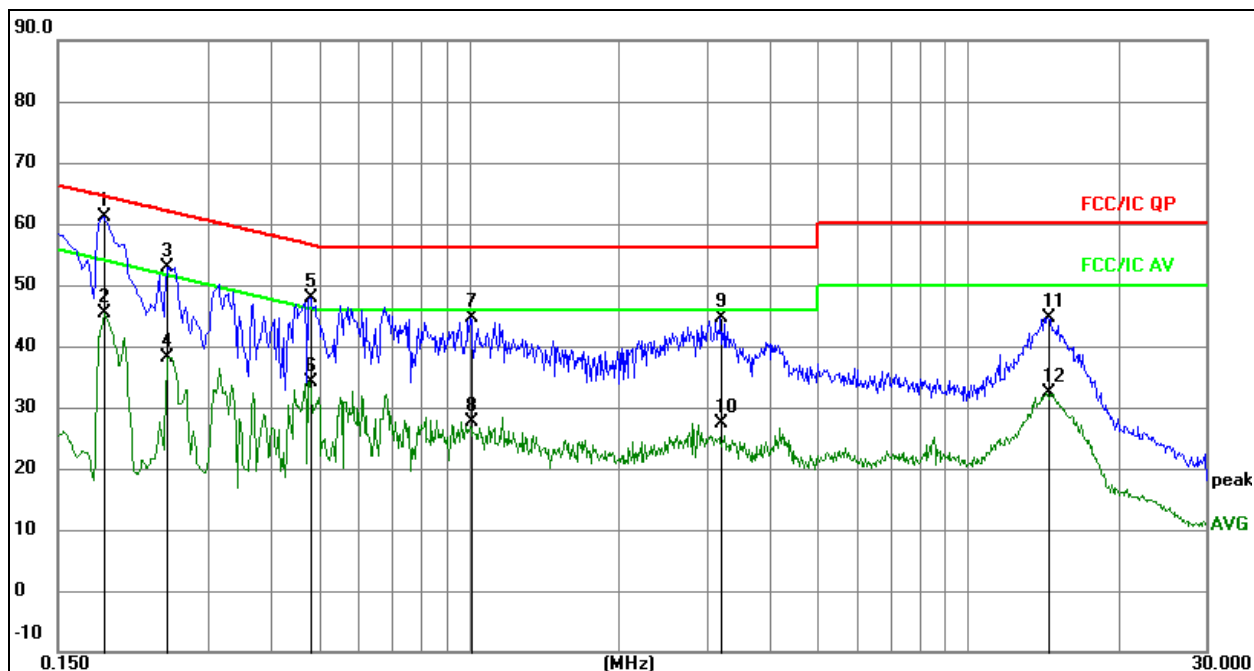

Remark:

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 19	Test Voltage :	AC 120V/60Hz

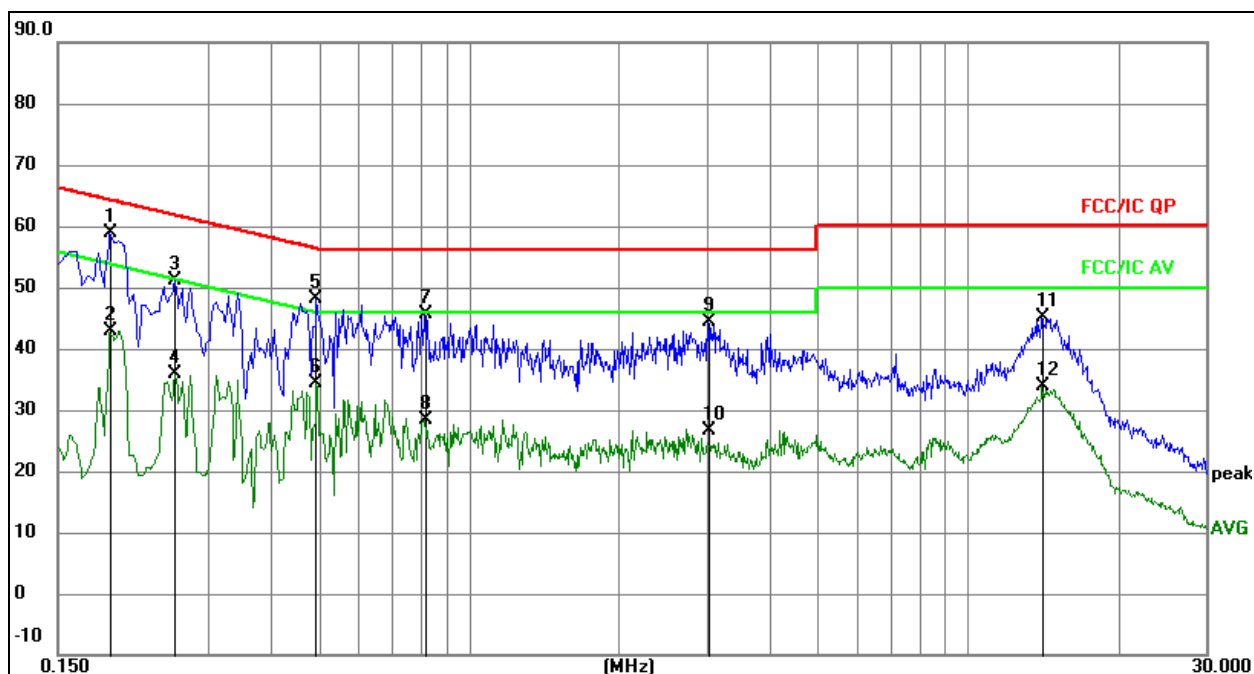


Remark:

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 19	Test Voltage :	AC 120V/60Hz


Remark:

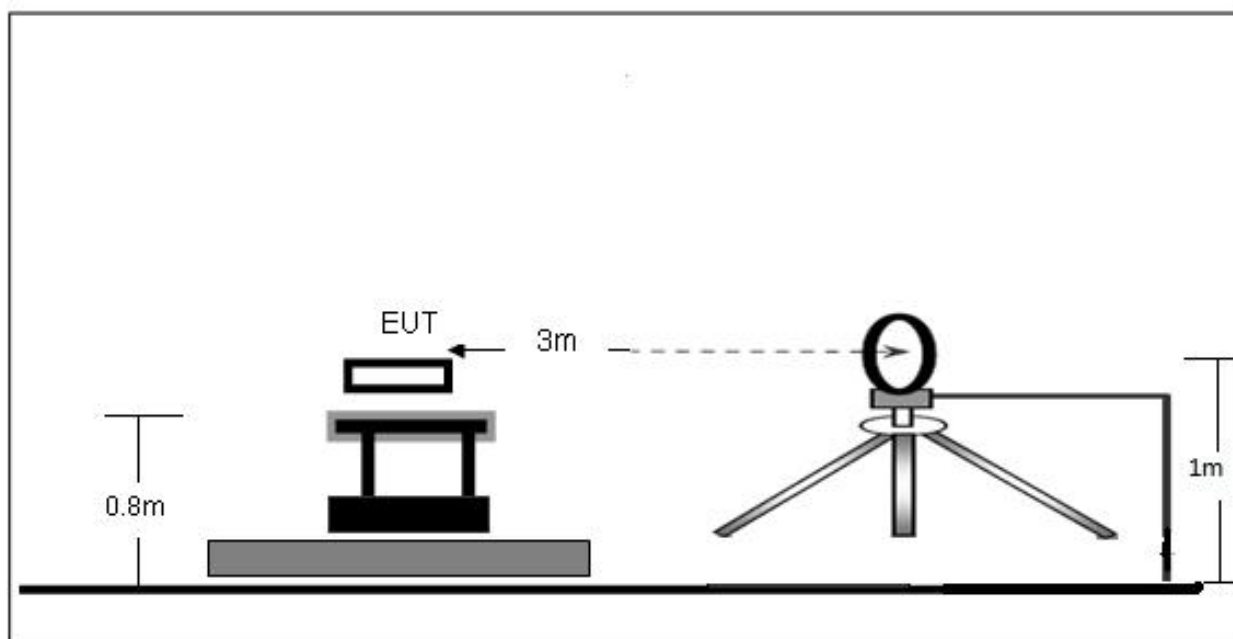
1. All readings are Quasi-Peak and Average values.
2. Factor = Insertion Loss + Cable Loss.
3. Measurement = Reading Level + Correct Factor
4. Over = Measurement - Limit

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

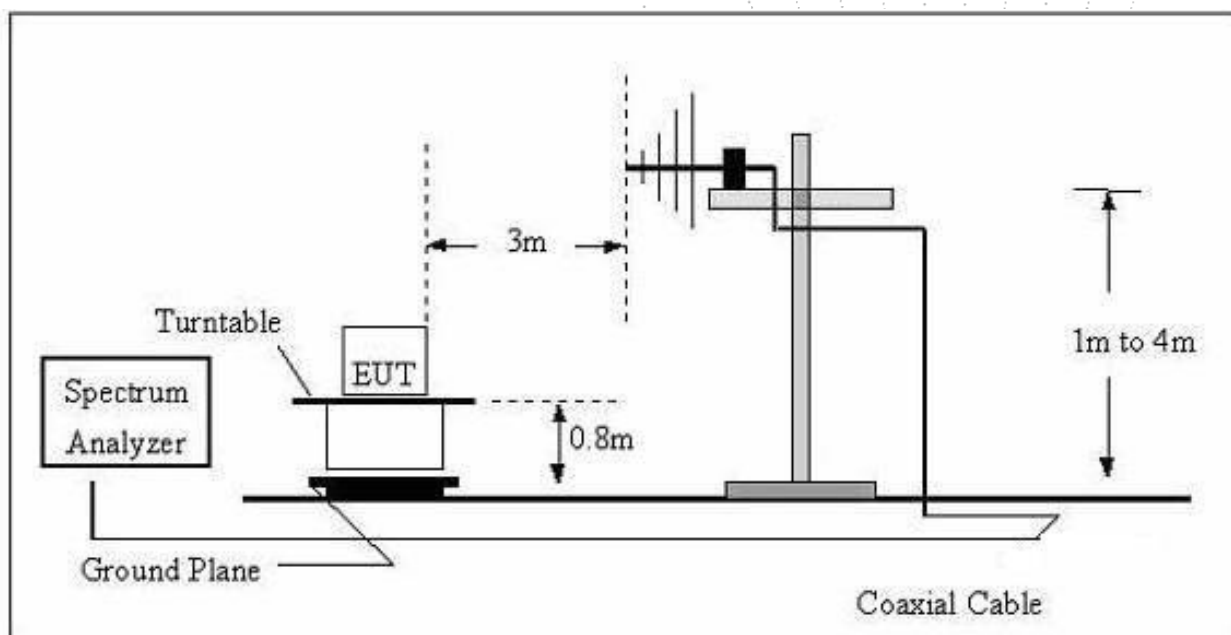
7. Radiated Emissions

7.1 Block Diagram Of Test Setup

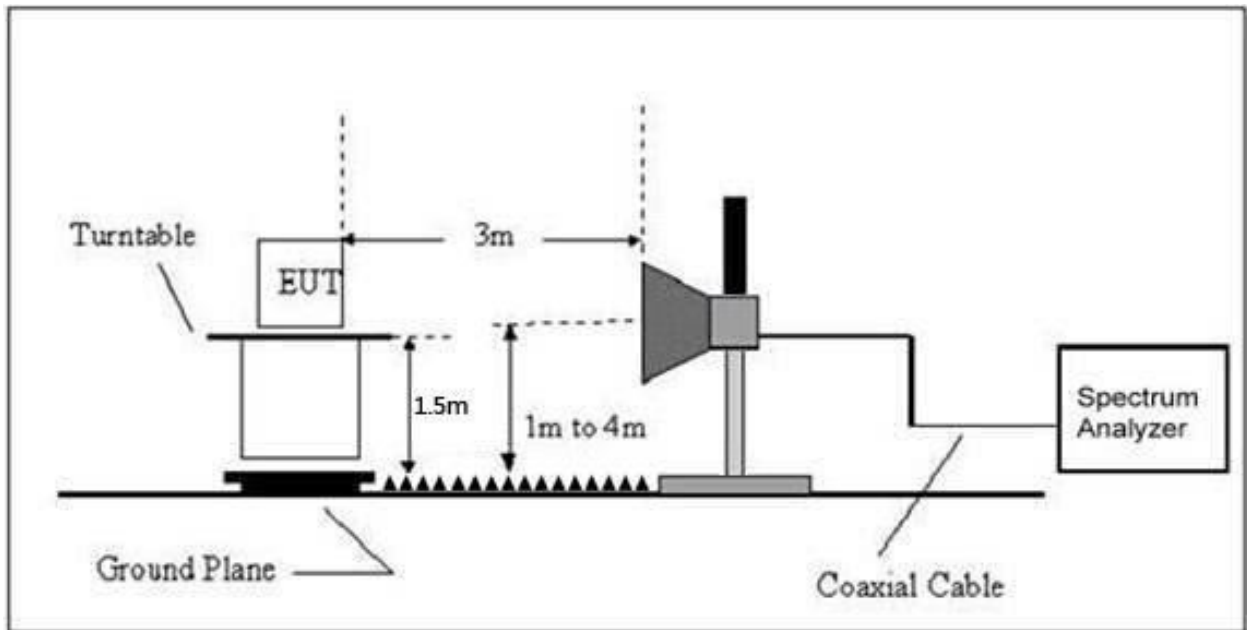
(A) Radiated Emission Test-Up Frequency Below 30MHz



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

Limits Of Radiated Emission Measurement (Above 1000MHz)

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

Notes:

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

Frequency Range Of Radiated Measurement

(a) For an intentional radiator the spectrum shall be investigated from the lowest radio frequency signal generated in the device, without going below 9 kHz, up to at least the frequency shown in this paragraph:

- (1) If the intentional radiator operates below 10 GHz: to the tenth harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower.
- (2) If the intentional radiator operates at or above 10 GHz and below 30 GHz: to the fifth harmonic of the highest fundamental frequency or to 100 GHz, whichever is lower.
- (3) If the intentional radiator operates at or above 30 GHz: to the fifth harmonic of the highest fundamental frequency or to 200 GHz, whichever is lower, unless specified otherwise elsewhere in the rules.
- (4) If the intentional radiator operates at or above 95 GHz: To the third harmonic of the highest fundamental frequency or to 750 GHz, whichever is lower, unless specified otherwise elsewhere in the rules.
- (5) If the intentional radiator contains a digital device, regardless of whether this digital device controls the functions of the intentional radiator or the digital device is used for additional control or function purposes other than to enable the operation of the intentional radiator, the frequency range shall be investigated up to the range specified in paragraphs (a) (1)through (4) of this section or the range applicable to the digital device, as shown in paragraph (b)(1) of this section, whichever is the higher frequency range of investigation.

7.3 Test procedure

Receiver Parameter	Setting
Attenuation	Auto
9kHz~150kHz	RBW 200Hz for QP
150kHz~30MHz	RBW 9kHz for QP
30MHz~1000MHz	RBW 120kHz for QP

Spectrum Parameter	Setting
1-25GHz	RBW 1 MHz /VBW 1 MHz for Peak, RBW 1 MHz / VBW 10Hz for Average

Below 1GHz test procedure as below:

- a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- f. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.

Above 1GHz test procedure as below:

- The EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter camber. The table was rotated 360 degrees to determine the position of the highest radiation.
- The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rota table was turned from 0 degrees to 360 degrees to find the maximum reading.
- The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.
- Test the EUT in the lowest channel, the middlest channel, the Highest channel.

Note:

Both horizontal and vertical antenna polarities were tested and performed pretest to three orthogonal axis. The worst case emissions were reported.

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%
Pressure:	101KPa	Test Voltage :	AC 120V/60Hz
Test Mode:	Mode 19	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.

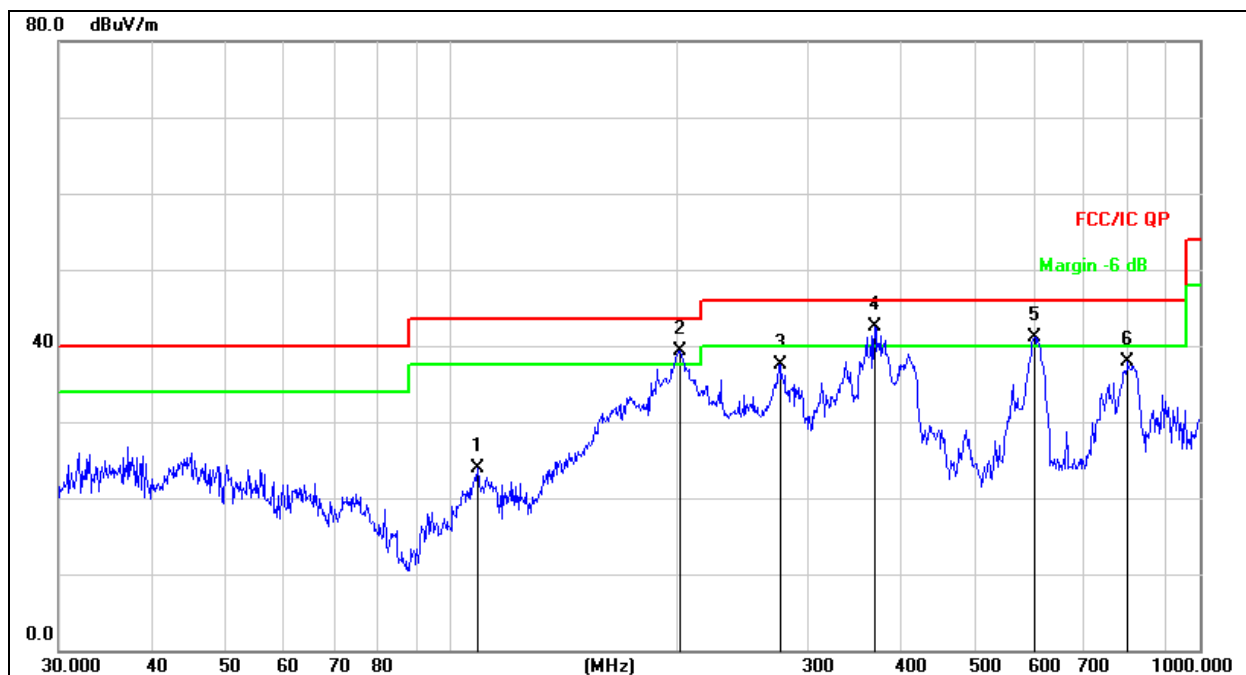
Distance extrapolation factor = $40 \log (\text{specific distance/test distance})(\text{dB})$;

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 19	Test Voltage :	DC 11.4V

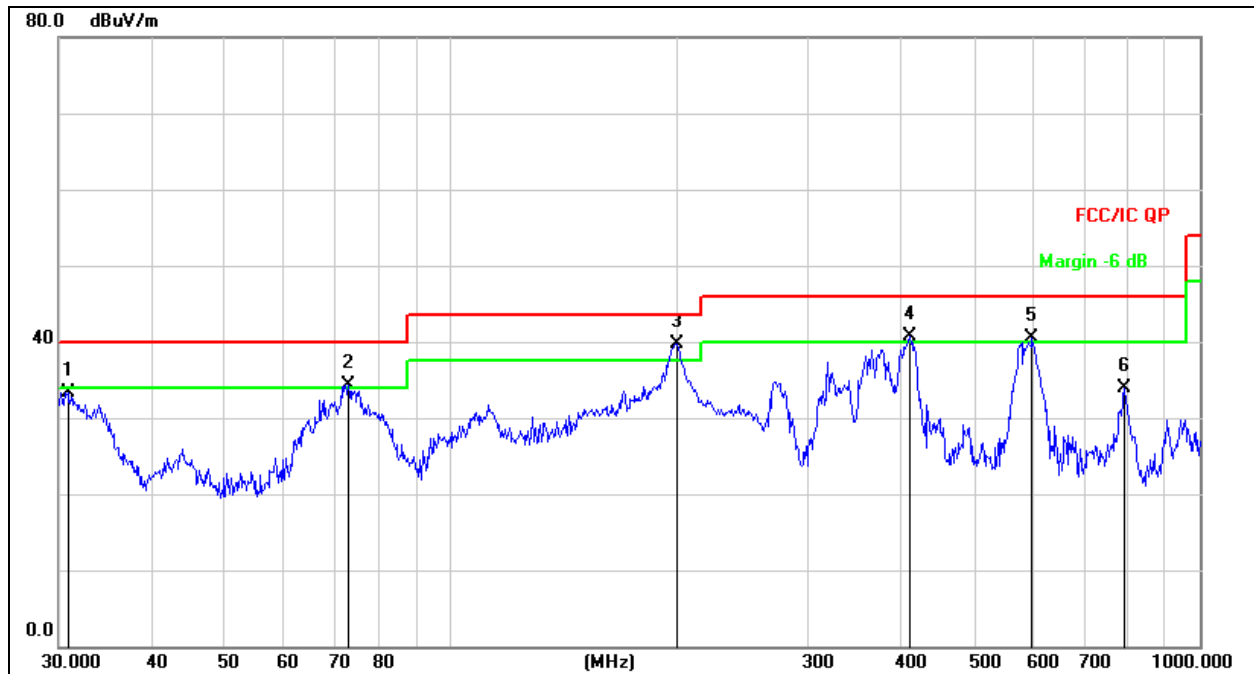


Remark:

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

No.	Mk.	Freq.	Reading Level	Correct Factor	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 19	Test Voltage :	DC 11.4V



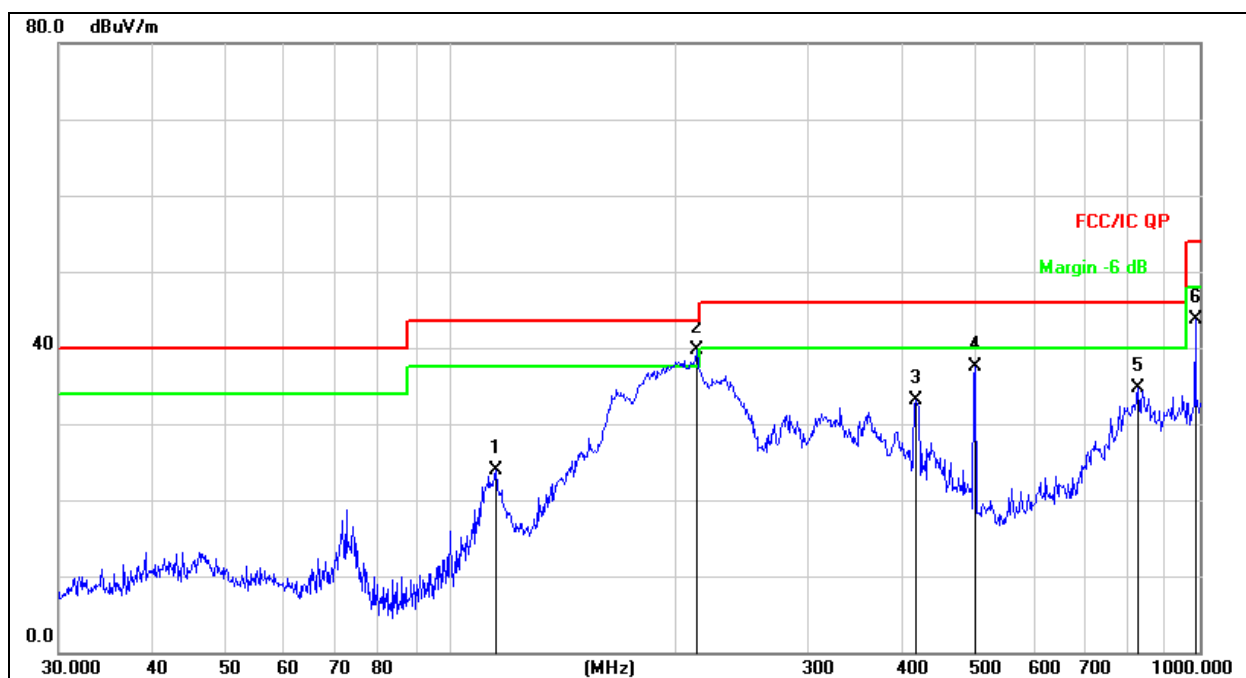
Remark:

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

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dB/m	Over 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 19	Test Voltage :	DC 11.55V

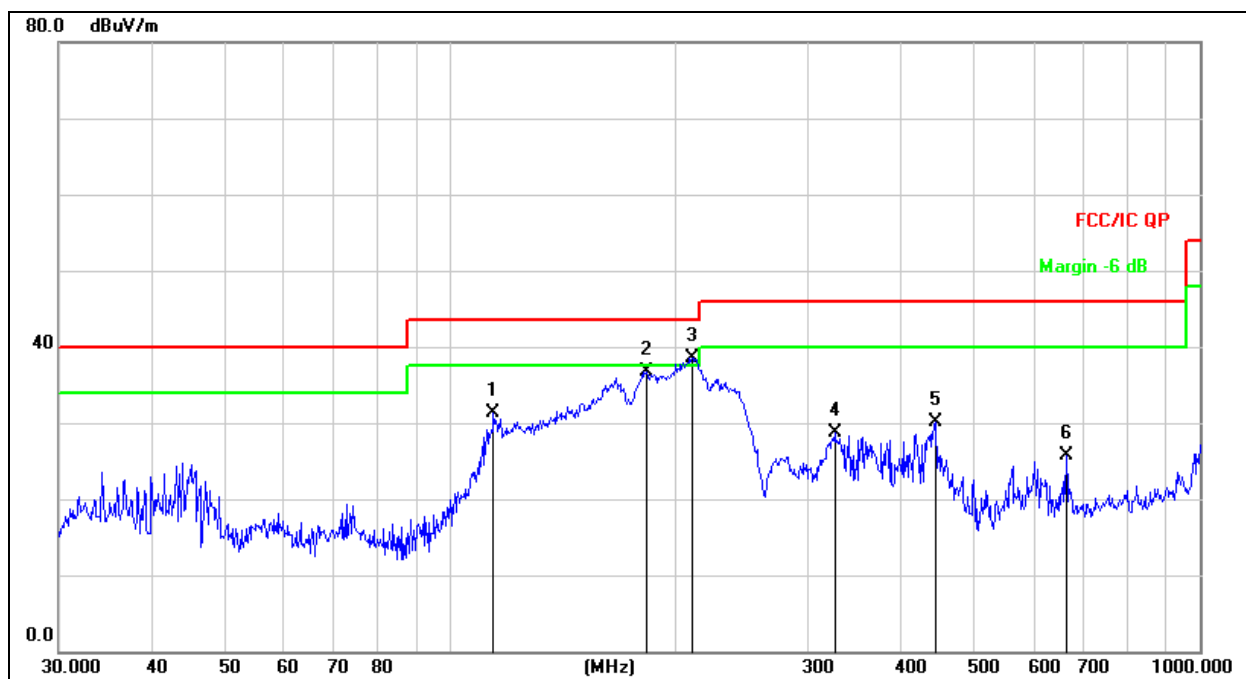


Remark:

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

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dB/m	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 19	Test Voltage :	DC 11.55V



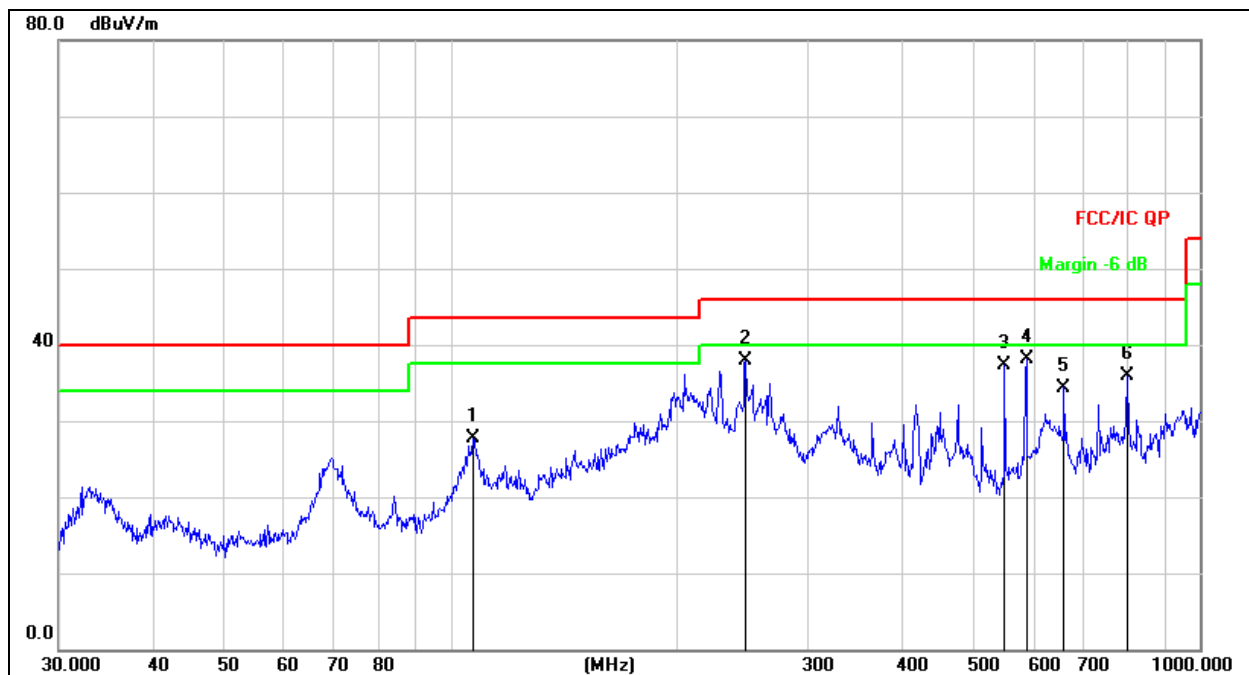
Remark:

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

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dB/m	Over dB	Detector
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 19	Test Voltage :	DC 11.4V

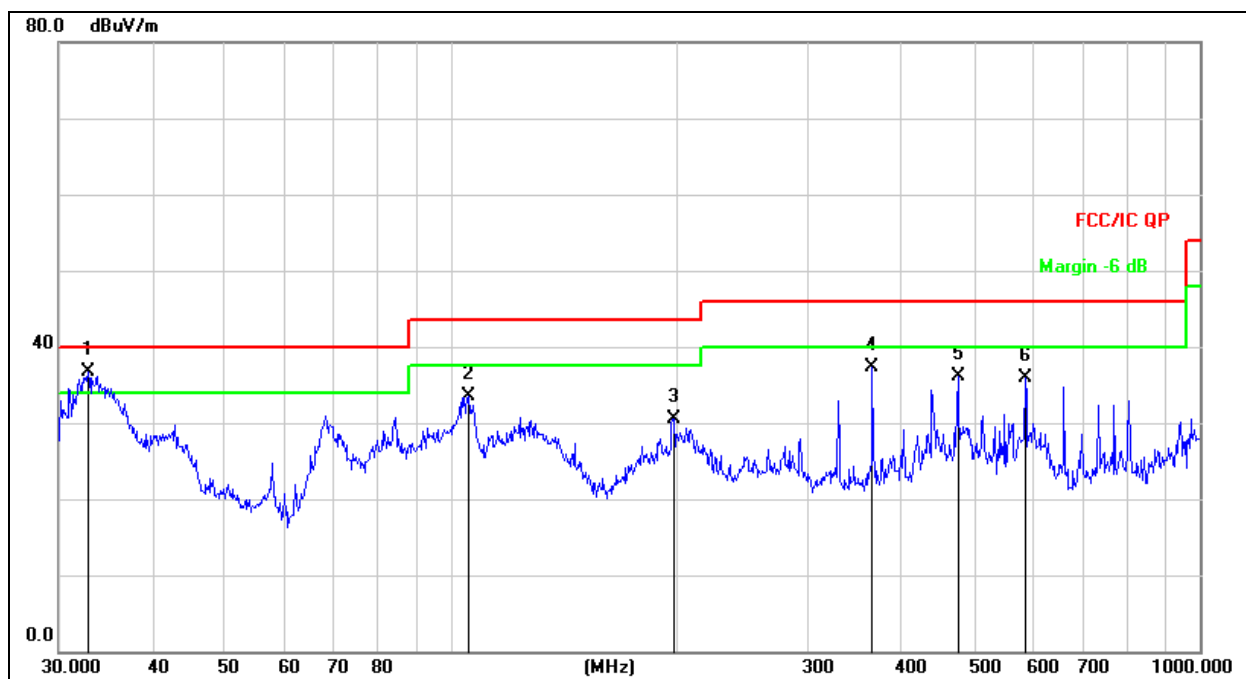


Remark:

- 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 19	Test Voltage :	DC 11.4V



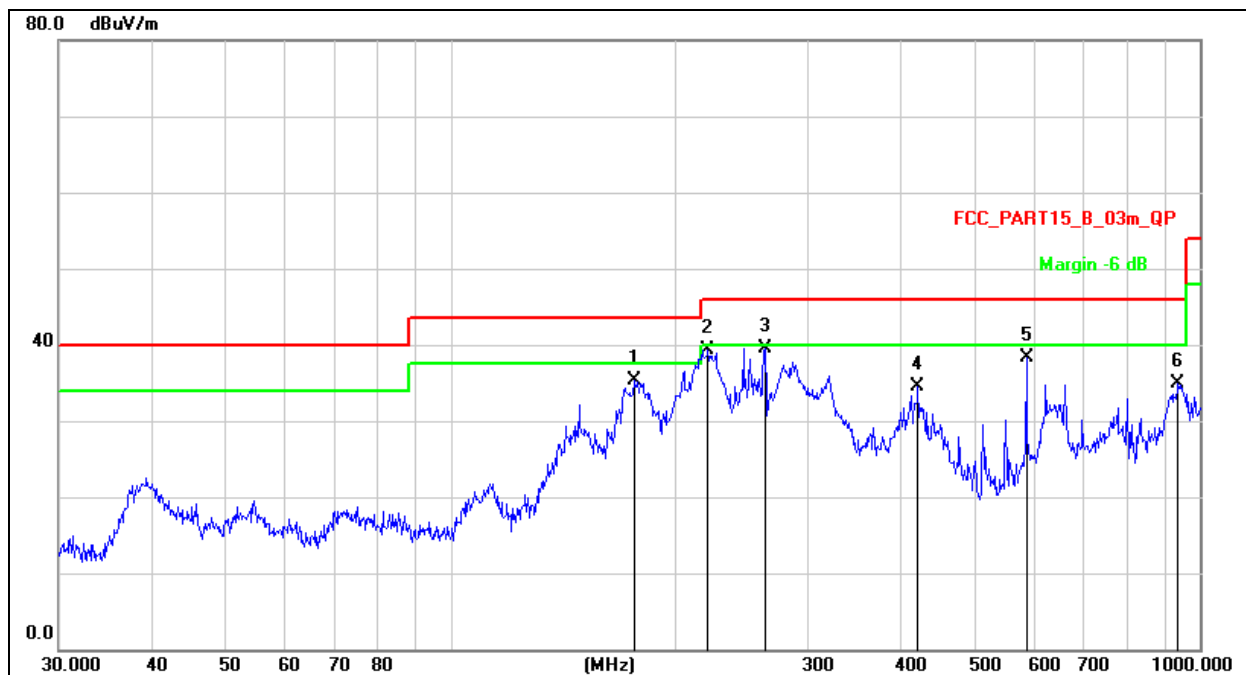
Remark:

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 19	Test Voltage :	DC 11.55V

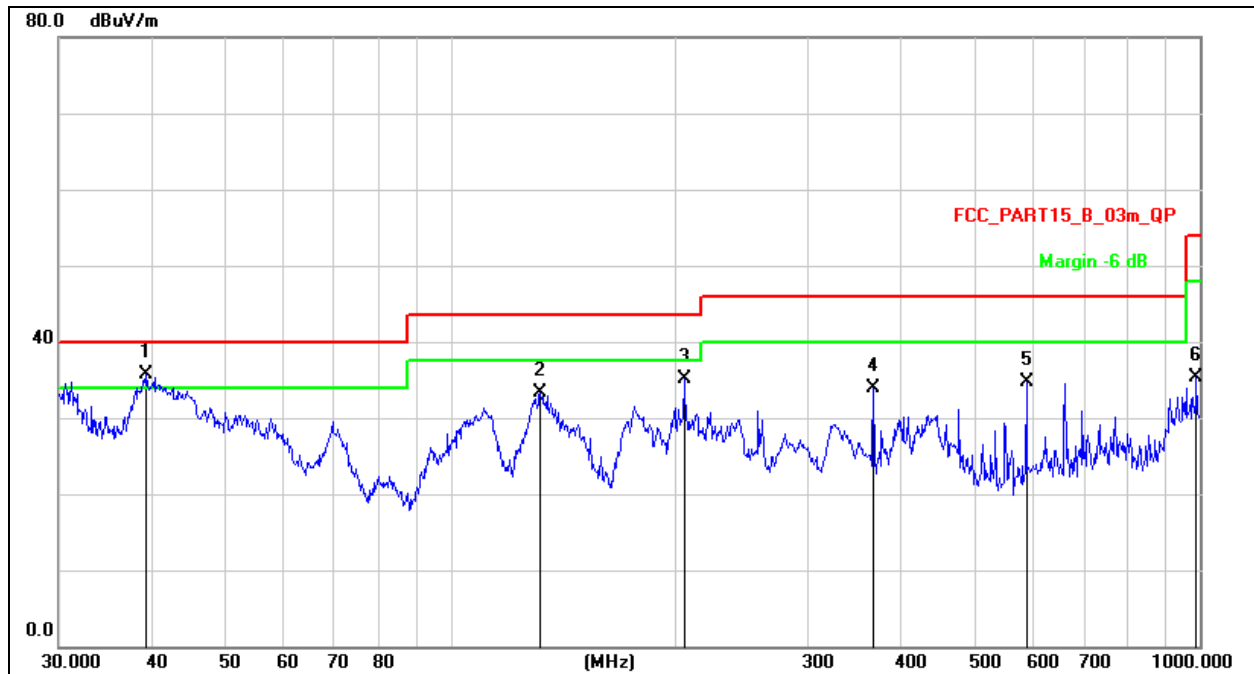


Remark:

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

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dB/m	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 19	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	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
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

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

**Between 1GHz – 25GHz
802.11b**

Polar (H/V)	Fre- quency	Reading Level	Correct Factor	Measure- ment	Limits	Over	Detector Type
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low channel:2412MHz							
V	4824.00	70.47	-19.95	50.52	74.00	-23.48	PK
V	4824.00	62.14	-19.95	42.19	54.00	-11.81	AV
V	7236.00	61.79	-14.14	47.65	74.00	-26.35	PK
V	7236.00	52.01	-14.14	37.87	54.00	-16.13	AV
H	4824.00	65.91	-19.95	45.96	74.00	-28.04	PK
H	4824.00	56.88	-19.95	36.93	54.00	-17.07	AV
H	7236.00	59.05	-14.14	44.91	74.00	-29.09	PK
H	7236.00	51.76	-14.14	37.62	54.00	-16.38	AV
Middle channel:2437MHz							
V	4874.00	68.01	-19.85	48.16	74.00	-25.84	PK
V	4874.00	61.28	-19.85	41.43	54.00	-12.57	AV
V	7311.00	58.64	-13.93	44.71	74.00	-29.29	PK
V	7311.00	50.24	-13.93	36.31	54.00	-17.69	AV
H	4874.00	64.70	-19.85	44.85	74.00	-29.15	PK
H	4874.00	55.59	-19.85	35.74	54.00	-18.26	AV
H	7311.00	56.88	-13.93	42.95	74.00	-31.05	PK
H	7311.00	48.36	-13.93	34.43	54.00	-19.57	AV
High channel:2462MHz							
V	4924.00	69.27	-19.75	49.52	74.00	-24.48	PK
V	4924.00	58.49	-19.75	38.74	54.00	-15.26	AV
V	7386.00	61.64	-13.72	47.92	74.00	-26.08	PK
V	7386.00	52.34	-13.72	38.62	54.00	-15.38	AV
H	4924.00	67.43	-19.75	47.68	74.00	-26.32	PK
H	4924.00	58.07	-19.75	38.32	54.00	-15.68	AV
H	7386.00	58.97	-13.72	45.25	74.00	-28.75	PK
H	7386.00	51.46	-13.72	37.74	54.00	-16.26	AV

Remark:

- 1.Measurement = Reading Level + Correct Factor,
Correct Factor = Antenna Factor + Cable Loss – Pre-amplifier,
Over= Measurement – Limit
- 2.If peak below the average limit, the average emission was no test.
3. In restricted bands of operation, The spurious emissions below the permissible value more than 20dB
4. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.
5. The worst case is Antenna A.

802.11g

Polar (H/V)	Fre- quency (MHz)	Reading Level (dBuV/m)	Correct Factor (dB)	Measure- ment (dBuV/m)	Limits (dBuV/m)	Over (dB)	Detector Type
Low channel:2412MHz							
V	4824.00	72.80	-19.95	52.85	74.00	-21.15	PK
V	4824.00	62.21	-19.95	42.26	54.00	-11.74	AV
V	7236.00	63.43	-14.14	49.29	74.00	-24.71	PK
V	7236.00	53.54	-14.14	39.40	54.00	-14.60	AV
H	4824.00	68.10	-19.95	48.15	74.00	-25.85	PK
H	4824.00	58.41	-19.95	38.46	54.00	-15.54	AV
H	7236.00	61.70	-14.14	47.56	74.00	-26.44	PK
H	7236.00	54.64	-14.14	40.50	54.00	-13.50	AV
Middle channel:2437MHz							
V	4874.00	69.60	-19.85	49.75	74.00	-24.25	PK
V	4874.00	63.45	-19.85	43.60	54.00	-10.40	AV
V	7311.00	58.83	-13.93	44.90	74.00	-29.10	PK
V	7311.00	50.42	-13.93	36.49	54.00	-17.51	AV
H	4874.00	66.62	-19.85	46.77	74.00	-27.23	PK
H	4874.00	56.34	-19.85	36.49	54.00	-17.51	AV
H	7311.00	56.53	-13.93	42.60	74.00	-31.40	PK
H	7311.00	49.01	-13.93	35.08	54.00	-18.92	AV
High channel:2462MHz							
V	4924.00	71.65	-19.75	51.90	74.00	-22.10	PK
V	4924.00	60.98	-19.75	41.23	54.00	-12.77	AV
V	7386.00	62.72	-13.72	49.00	74.00	-25.00	PK
V	7386.00	52.16	-13.72	38.44	54.00	-15.56	AV
H	4924.00	69.91	-19.75	50.16	74.00	-23.84	PK
H	4924.00	60.36	-19.75	40.61	54.00	-13.39	AV
H	7386.00	60.35	-13.72	46.63	74.00	-27.37	PK
H	7386.00	52.16	-13.72	38.44	54.00	-15.56	AV

Remark:

- 1.Measurement = Reading Level + Correct Factor,
Correct Factor = Antenna Factor + Cable Loss – Pre-amplifier,
Over= Measurement – Limit
- 2.If peak below the average limit, the average emission was no test.
3. In restricted bands of operation, The spurious emissions below the permissible value more than 20dB
4. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.
5. The worst case is Antenna A.

802.11n20

Polar (H/V)	Frequency (MHz)	Reading Level (dBUV/m)	Correct Factor (dB)	Measurement (dBUV/m)	Limits (dBUV/m)	Over (dB)	Detector Type
Low channel:2412MHz							
V	4824.00	71.86	-19.95	51.91	74.00	-22.09	PK
V	4824.00	62.01	-19.95	42.06	54.00	-11.94	AV
V	7236.00	64.83	-14.14	50.69	74.00	-23.31	PK
V	7236.00	54.36	-14.14	40.22	54.00	-13.78	AV
H	4824.00	70.64	-19.95	50.69	74.00	-23.31	PK
H	4824.00	61.59	-19.95	41.64	54.00	-12.36	AV
H	7236.00	63.41	-14.14	49.27	74.00	-24.73	PK
H	7236.00	54.60	-14.14	40.46	54.00	-13.54	AV
Middle channel:2437MHz							
V	4874.00	70.66	-19.85	50.81	74.00	-23.19	PK
V	4874.00	63.07	-19.85	43.22	54.00	-10.78	AV
V	7311.00	61.03	-13.93	47.10	74.00	-26.90	PK
V	7311.00	52.51	-13.93	38.58	54.00	-15.42	AV
H	4874.00	67.48	-19.85	47.63	74.00	-26.37	PK
H	4874.00	57.97	-19.85	38.12	54.00	-15.88	AV
H	7311.00	59.60	-13.93	45.67	74.00	-28.33	PK
H	7311.00	52.21	-13.93	38.28	54.00	-15.72	AV
High channel:2462MHz							
V	4924.00	71.94	-19.75	52.19	74.00	-21.81	PK
V	4924.00	62.93	-19.75	43.18	54.00	-10.82	AV
V	7386.00	64.26	-13.72	50.54	74.00	-23.46	PK
V	7386.00	53.88	-13.72	40.16	54.00	-13.84	AV
H	4924.00	69.00	-19.75	49.25	74.00	-24.75	PK
H	4924.00	58.31	-19.75	38.56	54.00	-15.44	AV
H	7386.00	61.36	-13.72	47.64	74.00	-26.36	PK
H	7386.00	53.47	-13.72	39.75	54.00	-14.25	AV

Remark:

- 1.Measurement = Reading Level + Correct Factor,
Correct Factor = Antenna Factor + Cable Loss – Pre-amplifier,
Over= Measurement – Limit
- 2.If peak below the average limit, the average emission was no test.
3. In restricted bands of operation, The spurious emissions below the permissible value more than 20dB
4. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.
5. Test Mode is MIMO Mode.

802.11n40

Polar (H/V)	Fre- quency (MHz)	Reading Level (dBuV/m)	Correct Factor (dB)	Measure- ment (dBuV/m)	Limits (dBuV/m)	Over (dB)	Detector Type
Low channel:2422MHz							
V	4844.00	72.95	-19.91	53.04	74.00	-20.96	PK
V	4844.00	64.59	-19.91	44.68	54.00	-9.32	AV
V	7266.00	62.70	-14.06	48.64	74.00	-25.36	PK
V	7266.00	51.87	-14.06	37.81	54.00	-16.19	AV
H	4844.00	71.56	-19.91	51.65	74.00	-22.35	PK
H	4844.00	60.58	-19.91	40.67	54.00	-13.33	AV
H	7266.00	60.02	-14.06	45.96	74.00	-28.04	PK
H	7266.00	51.38	-14.06	37.32	54.00	-16.68	AV
Middle channel:2437MHz							
V	4874.00	70.58	-19.85	50.73	74.00	-23.27	PK
V	4874.00	63.72	-19.85	43.87	54.00	-10.13	AV
V	7311.00	60.57	-13.93	46.64	74.00	-27.36	PK
V	7311.00	52.27	-13.93	38.34	54.00	-15.66	AV
H	4874.00	65.71	-19.85	45.86	74.00	-28.14	PK
H	4874.00	54.93	-19.85	35.08	54.00	-18.92	AV
H	7311.00	58.78	-13.93	44.85	74.00	-29.15	PK
H	7311.00	50.28	-13.93	36.35	54.00	-17.65	AV
High channel:2452MHz							
V	4904.00	73.15	-19.79	53.36	74.00	-20.64	PK
V	4904.00	64.48	-19.79	44.69	54.00	-9.31	AV
V	7356.00	67.03	-13.80	53.23	74.00	-20.77	PK
V	7356.00	57.39	-13.80	43.59	54.00	-10.41	AV
H	4904.00	71.58	-19.79	51.79	74.00	-22.21	PK
H	4904.00	61.57	-19.79	41.78	54.00	-12.22	AV
H	7356.00	64.20	-13.80	50.40	74.00	-23.60	PK
H	7356.00	56.38	-13.80	42.58	54.00	-11.42	AV

Remark:

- 1.Measurement = Reading Level + Correct Factor,
Correct Factor = Antenna Factor + Cable Loss – Pre-amplifier,
Over= Measurement – Limit
- 2.If peak below the average limit, the average emission was no test.
3. In restricted bands of operation, The spurious emissions below the permissible value more than 20dB
4. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.
5. Test Mode is MIMO Mode.

802.11ax20

Polar (H/V)	Frequency (MHz)	Reading Level (dBUV/m)	Correct Factor (dB)	Measurement (dBUV/m)	Limits (dBUV/m)	Over (dB)	Detector Type
Low channel:2412MHz							
V	4824.00	71.05	-19.95	51.10	74.00	-22.90	PK
V	4824.00	62.55	-19.95	42.60	54.00	-11.40	AV
V	7236.00	61.93	-14.14	47.79	74.00	-26.21	PK
V	7236.00	52.84	-14.14	38.70	54.00	-15.30	AV
H	4824.00	67.31	-19.95	47.36	74.00	-26.64	PK
H	4824.00	57.30	-19.95	37.35	54.00	-16.65	AV
H	7236.00	59.28	-14.14	45.14	74.00	-28.86	PK
H	7236.00	50.45	-14.14	36.31	54.00	-17.69	AV
Middle channel:2437MHz							
V	4874.00	67.21	-19.85	47.36	74.00	-26.64	PK
V	4874.00	61.15	-19.85	41.30	54.00	-12.70	AV
V	7311.00	56.74	-13.93	42.81	74.00	-31.19	PK
V	7311.00	48.68	-13.93	34.75	54.00	-19.25	AV
H	4874.00	65.37	-19.85	45.52	74.00	-28.48	PK
H	4874.00	55.70	-19.85	35.85	54.00	-18.15	AV
H	7311.00	54.68	-13.93	40.75	74.00	-33.25	PK
H	7311.00	46.74	-13.93	32.81	54.00	-21.19	AV
High channel:2462MHz							
V	4924.00	69.51	-19.75	49.76	74.00	-24.24	PK
V	4924.00	61.42	-19.75	41.67	54.00	-12.33	AV
V	7386.00	60.99	-13.72	47.27	74.00	-26.73	PK
V	7386.00	51.86	-13.72	38.14	54.00	-15.86	AV
H	4924.00	66.53	-19.75	46.78	74.00	-27.22	PK
H	4924.00	56.77	-19.75	37.02	54.00	-16.98	AV
H	7386.00	58.90	-13.72	45.18	74.00	-28.82	PK
H	7386.00	50.40	-13.72	36.68	54.00	-17.32	AV

Remark:

- 1.Measurement = Reading Level + Correct Factor,
Correct Factor = Antenna Factor + Cable Loss – Pre-amplifier,
Over= Measurement – Limit
- 2.If peak below the average limit, the average emission was no test.
3. In restricted bands of operation, The spurious emissions below the permissible value more than 20dB
4. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.
5. Test Mode is MIMO Mode.

802.11ax40

Polar (H/V)	Fre- quency	Reading Level	Correct Factor	Measure- ment	Limits	Over	Detector Type
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low channel:2422MHz							
V	4844.00	70.58	-19.91	50.67	74.00	-23.33	PK
V	4844.00	62.16	-19.91	42.25	54.00	-11.75	AV
V	7266.00	60.02	-14.06	45.96	74.00	-28.04	PK
V	7266.00	50.60	-14.06	36.54	54.00	-17.46	AV
H	4844.00	67.83	-19.91	47.92	74.00	-26.08	PK
H	4844.00	57.49	-19.91	37.58	54.00	-16.42	AV
H	7266.00	57.63	-14.06	43.57	74.00	-30.43	PK
H	7266.00	50.22	-14.06	36.16	54.00	-17.84	AV
Middle channel:2437MHz							
V	4874.00	67.44	-19.85	47.59	74.00	-26.41	PK
V	4874.00	60.70	-19.85	40.85	54.00	-13.15	AV
V	7311.00	58.23	-13.93	44.30	74.00	-29.70	PK
V	7311.00	48.94	-13.93	35.01	54.00	-18.99	AV
H	4874.00	65.48	-19.85	45.63	74.00	-28.37	PK
H	4874.00	55.73	-19.85	35.88	54.00	-18.12	AV
H	7311.00	55.60	-13.93	41.67	74.00	-32.33	PK
H	7311.00	48.59	-13.93	34.66	54.00	-19.34	AV
High channel:2452MHz							
V	4904.00	69.07	-19.79	49.28	74.00	-24.72	PK
V	4904.00	60.42	-19.79	40.63	54.00	-13.37	AV
V	7356.00	60.10	-13.80	46.30	74.00	-27.70	PK
V	7356.00	51.01	-13.80	37.21	54.00	-16.79	AV
H	4904.00	67.63	-19.79	47.84	74.00	-26.16	PK
H	4904.00	58.42	-19.79	38.63	54.00	-15.37	AV
H	7356.00	58.85	-13.80	45.05	74.00	-28.95	PK
H	7356.00	50.59	-13.80	36.79	54.00	-17.21	AV

Remark:

- 1.Measurement = Reading Level + Correct Factor,
Correct Factor = Antenna Factor + Cable Loss – Pre-amplifier,
Over= Measurement – Limit
- 2.If peak below the average limit, the average emission was no test.
3. In restricted bands of operation, The spurious emissions below the permissible value more than 20dB
4. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.
5. Test Mode is MIMO Mode.

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

**Between 1GHz – 25GHz
802.11b**

Polar (H/V)	Fre- quency	Reading Level	Correct Factor	Measure- ment	Limits	Over	Detector Type
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low channel:2412MHz							
V	4824.00	72.91	-19.95	52.96	74.00	-21.04	PK
V	4824.00	63.85	-19.95	43.90	54.00	-10.10	AV
V	7236.00	64.73	-14.14	50.59	74.00	-23.41	PK
V	7236.00	55.39	-14.14	41.25	54.00	-12.75	AV
H	4824.00	70.67	-19.95	50.72	74.00	-23.28	PK
H	4824.00	60.61	-19.95	40.66	54.00	-13.34	AV
H	7236.00	62.67	-14.14	48.53	74.00	-25.47	PK
H	7236.00	53.94	-14.14	39.80	54.00	-14.20	AV
Middle channel:2437MHz							
V	4874.00	70.83	-19.85	50.98	74.00	-23.02	PK
V	4874.00	62.14	-19.85	42.29	54.00	-11.71	AV
V	7311.00	60.73	-13.93	46.80	74.00	-27.20	PK
V	7311.00	51.30	-13.93	37.37	54.00	-16.63	AV
H	4874.00	69.54	-19.85	49.69	74.00	-24.31	PK
H	4874.00	59.75	-19.85	39.90	54.00	-14.10	AV
H	7311.00	58.59	-13.93	44.66	74.00	-29.34	PK
H	7311.00	50.11	-13.93	36.18	54.00	-17.82	AV
High channel:2462MHz							
V	4924.00	73.83	-19.75	54.08	74.00	-19.92	PK
V	4924.00	64.42	-19.75	44.67	54.00	-9.33	AV
V	7386.00	64.98	-13.72	51.26	74.00	-22.74	PK
V	7386.00	54.26	-13.72	40.54	54.00	-13.46	AV
H	4924.00	72.59	-19.75	52.84	74.00	-21.16	PK
H	4924.00	62.54	-19.75	42.79	54.00	-11.21	AV
H	7386.00	62.38	-13.72	48.66	74.00	-25.34	PK
H	7386.00	53.91	-13.72	40.19	54.00	-13.81	AV

Remark:

- 1.Measurement = Reading Level + Correct Factor,
Correct Factor = Antenna Factor + Cable Loss – Pre-amplifier,
Over= Measurement – Limit
- 2.If peak below the average limit, the average emission was no test.
3. In restricted bands of operation, The spurious emissions below the permissible value more than 20dB
4. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.
5. The worst case is Antenna A.

802.11g

Polar (H/V)	Fre- quency (MHz)	Reading Level (dBuV/m)	Correct Factor (dB)	Measure- ment (dBuV/m)	Limits (dBuV/m)	Over (dB)	Detector Type
Low channel:2412MHz							
V	4824.00	71.50	-19.95	51.55	74.00	-22.45	PK
V	4824.00	62.18	-19.95	42.23	54.00	-11.77	AV
V	7236.00	63.15	-14.14	49.01	74.00	-24.99	PK
V	7236.00	53.37	-14.14	39.23	54.00	-14.77	AV
H	4824.00	68.93	-19.95	48.98	74.00	-25.02	PK
H	4824.00	57.96	-19.95	38.01	54.00	-15.99	AV
H	7236.00	61.51	-14.14	47.37	74.00	-26.63	PK
H	7236.00	54.08	-14.14	39.94	54.00	-14.06	AV
Middle channel:2437MHz							
V	4874.00	69.35	-19.85	49.50	74.00	-24.50	PK
V	4874.00	60.59	-19.85	40.74	54.00	-13.26	AV
V	7311.00	58.95	-13.93	45.02	74.00	-28.98	PK
V	7311.00	49.44	-13.93	35.51	54.00	-18.49	AV
H	4874.00	66.93	-19.85	47.08	74.00	-26.92	PK
H	4874.00	56.90	-19.85	37.05	54.00	-16.95	AV
H	7311.00	56.82	-13.93	42.89	74.00	-31.11	PK
H	7311.00	48.46	-13.93	34.53	54.00	-19.47	AV
High channel:2462MHz							
V	4924.00	72.15	-19.75	52.40	74.00	-21.60	PK
V	4924.00	61.82	-19.75	42.07	54.00	-11.93	AV
V	7386.00	65.68	-13.72	51.96	74.00	-22.04	PK
V	7386.00	54.89	-13.72	41.17	54.00	-12.83	AV
H	4924.00	69.66	-19.75	49.91	74.00	-24.09	PK
H	4924.00	60.38	-19.75	40.63	54.00	-13.37	AV
H	7386.00	63.93	-13.72	50.21	74.00	-23.79	PK
H	7386.00	56.66	-13.72	42.94	54.00	-11.06	AV

Remark:

- 1.Measurement = Reading Level + Correct Factor,
Correct Factor = Antenna Factor + Cable Loss – Pre-amplifier,
Over= Measurement – Limit
- 2.If peak below the average limit, the average emission was no test.
3. In restricted bands of operation, The spurious emissions below the permissible value more than 20dB
4. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.
5. The worst case is Antenna A.

802.11n20

Polar (H/V)	Frequency (MHz)	Reading Level (dBUV/m)	Correct Factor (dB)	Measurement (dBUV/m)	Limits (dBUV/m)	Over (dB)	Detector Type
Low channel:2412MHz							
V	4824.00	70.91	-19.95	50.96	74.00	-23.04	PK
V	4824.00	60.33	-19.95	40.38	54.00	-13.62	AV
V	7236.00	61.27	-14.14	47.13	74.00	-26.87	PK
V	7236.00	52.15	-14.14	38.01	54.00	-15.99	AV
H	4824.00	69.74	-19.95	49.79	74.00	-24.21	PK
H	4824.00	59.24	-19.95	39.29	54.00	-14.71	AV
H	7236.00	59.77	-14.14	45.63	74.00	-28.37	PK
H	7236.00	51.11	-14.14	36.97	54.00	-17.03	AV
Middle channel:2437MHz							
V	4874.00	69.55	-19.85	49.70	74.00	-24.30	PK
V	4874.00	60.66	-19.85	40.81	54.00	-13.19	AV
V	7311.00	59.82	-13.93	45.89	74.00	-28.11	PK
V	7311.00	50.24	-13.93	36.31	54.00	-17.69	AV
H	4874.00	66.40	-19.85	46.55	74.00	-27.45	PK
H	4874.00	55.83	-19.85	35.98	54.00	-18.02	AV
H	7311.00	57.37	-13.93	43.44	74.00	-30.56	PK
H	7311.00	48.68	-13.93	34.75	54.00	-19.25	AV
High channel:2462MHz							
V	4924.00	70.79	-19.75	51.04	74.00	-22.96	PK
V	4924.00	62.18	-19.75	42.43	54.00	-11.57	AV
V	7386.00	63.95	-13.72	50.23	74.00	-23.77	PK
V	7386.00	54.54	-13.72	40.82	54.00	-13.18	AV
H	4924.00	68.43	-19.75	48.68	74.00	-25.32	PK
H	4924.00	58.44	-19.75	38.69	54.00	-15.31	AV
H	7386.00	61.46	-13.72	47.74	74.00	-26.26	PK
H	7386.00	52.90	-13.72	39.18	54.00	-14.82	AV

Remark:

- 1.Measurement = Reading Level + Correct Factor,
Correct Factor = Antenna Factor + Cable Loss – Pre-amplifier,
Over= Measurement – Limit
- 2.If peak below the average limit, the average emission was no test.
3. In restricted bands of operation, The spurious emissions below the permissible value more than 20dB
4. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.
5. Test Mode is MIMO Mode.

802.11n40

Polar (H/V)	Fre- quency (MHz)	Reading Level (dBuV/m)	Correct Factor (dB)	Measure- ment (dBuV/m)	Limits (dBuV/m)	Over (dB)	Detector Type
Low channel:2422MHz							
V	4844.00	72.27	-19.91	52.36	74.00	-21.64	PK
V	4844.00	62.61	-19.91	42.70	54.00	-11.30	AV
V	7266.00	63.93	-14.06	49.87	74.00	-24.13	PK
V	7266.00	54.04	-14.06	39.98	54.00	-14.02	AV
H	4844.00	69.77	-19.91	49.86	74.00	-24.14	PK
H	4844.00	60.59	-19.91	40.68	54.00	-13.32	AV
H	7266.00	61.23	-14.06	47.17	74.00	-26.83	PK
H	7266.00	54.17	-14.06	40.11	54.00	-13.89	AV
Middle channel:2437MHz							
V	4874.00	69.70	-19.85	49.85	74.00	-24.15	PK
V	4874.00	61.38	-19.85	41.53	54.00	-12.47	AV
V	7311.00	59.26	-13.93	45.33	74.00	-28.67	PK
V	7311.00	49.89	-13.93	35.96	54.00	-18.04	AV
H	4874.00	65.88	-19.85	46.03	74.00	-27.97	PK
H	4874.00	56.78	-19.85	36.93	54.00	-17.07	AV
H	7311.00	57.80	-13.93	43.87	74.00	-30.13	PK
H	7311.00	50.46	-13.93	36.53	54.00	-17.47	AV
High channel:2452MHz							
V	4904.00	72.09	-19.79	52.30	74.00	-21.70	PK
V	4904.00	63.51	-19.79	43.72	54.00	-10.28	AV
V	7356.00	64.24	-13.80	50.44	74.00	-23.56	PK
V	7356.00	53.52	-13.80	39.72	54.00	-14.28	AV
H	4904.00	69.69	-19.79	49.90	74.00	-24.10	PK
H	4904.00	60.65	-19.79	40.86	54.00	-13.14	AV
H	7356.00	61.84	-13.80	48.04	74.00	-25.96	PK
H	7356.00	53.68	-13.80	39.88	54.00	-14.12	AV

Remark:

- 1.Measurement = Reading Level + Correct Factor,
Correct Factor = Antenna Factor + Cable Loss – Pre-amplifier,
Over= Measurement – Limit
- 2.If peak below the average limit, the average emission was no test.
3. In restricted bands of operation, The spurious emissions below the permissible value more than 20dB
4. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.
5. Test Mode is MIMO Mode.

802.11ax20

Polar (H/V)	Frequency (MHz)	Reading Level (dBUV/m)	Correct Factor (dB)	Measurement (dBUV/m)	Limits (dBUV/m)	Over (dB)	Detector Type
Low channel:2412MHz							
V	4824.00	72.37	-19.95	52.42	74.00	-21.58	PK
V	4824.00	64.25	-19.95	44.30	54.00	-9.70	AV
V	7236.00	63.21	-14.14	49.07	74.00	-24.93	PK
V	7236.00	54.09	-14.14	39.95	54.00	-14.05	AV
H	4824.00	70.31	-19.95	50.36	74.00	-23.64	PK
H	4824.00	59.40	-19.95	39.45	54.00	-14.55	AV
H	7236.00	60.52	-14.14	46.38	74.00	-27.62	PK
H	7236.00	52.72	-14.14	38.58	54.00	-15.42	AV
Middle channel:2437MHz							
V	4874.00	70.91	-19.85	51.06	74.00	-22.94	PK
V	4874.00	64.38	-19.85	44.53	54.00	-9.47	AV
V	7311.00	60.75	-13.93	46.82	74.00	-27.18	PK
V	7311.00	51.92	-13.93	37.99	54.00	-16.01	AV
H	4874.00	69.77	-19.85	49.92	74.00	-24.08	PK
H	4874.00	59.06	-19.85	39.21	54.00	-14.79	AV
H	7311.00	57.96	-13.93	44.03	74.00	-29.97	PK
H	7311.00	49.28	-13.93	35.35	54.00	-18.65	AV
High channel:2462MHz							
V	4924.00	73.86	-19.75	54.11	74.00	-19.89	PK
V	4924.00	63.47	-19.75	43.72	54.00	-10.28	AV
V	7386.00	66.69	-13.72	52.97	74.00	-21.03	PK
V	7386.00	56.04	-13.72	42.32	54.00	-11.68	AV
H	4924.00	72.54	-19.75	52.79	74.00	-21.21	PK
H	4924.00	62.73	-19.75	42.98	54.00	-11.02	AV
H	7386.00	65.45	-13.72	51.73	74.00	-22.27	PK
H	7386.00	58.22	-13.72	44.50	54.00	-9.50	AV

Remark:

- 1.Measurement = Reading Level + Correct Factor,
Correct Factor = Antenna Factor + Cable Loss – Pre-amplifier,
Over= Measurement – Limit
- 2.If peak below the average limit, the average emission was no test.
3. In restricted bands of operation, The spurious emissions below the permissible value more than 20dB
4. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.
5. Test Mode is MIMO Mode.

802.11ax40

Polar (H/V)	Fre- quency	Reading Level	Correct Factor	Measure- ment	Limits	Over	Detector Type
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low channel:2422MHz							
V	4844.00	70.72	-19.91	50.81	74.00	-23.19	PK
V	4844.00	62.27	-19.91	42.36	54.00	-11.64	AV
V	7266.00	60.37	-14.06	46.31	74.00	-27.69	PK
V	7266.00	49.38	-14.06	35.32	54.00	-18.68	AV
H	4844.00	66.39	-19.91	46.48	74.00	-27.52	PK
H	4844.00	56.48	-19.91	36.57	54.00	-17.43	AV
H	7266.00	57.47	-14.06	43.41	74.00	-30.59	PK
H	7266.00	48.56	-14.06	34.50	54.00	-19.50	AV
Middle channel:2437MHz							
V	4874.00	69.30	-19.85	49.45	74.00	-24.55	PK
V	4874.00	61.63	-19.85	41.78	54.00	-12.22	AV
V	7311.00	59.38	-13.93	45.45	74.00	-28.55	PK
V	7311.00	50.04	-13.93	36.11	54.00	-17.89	AV
H	4874.00	67.52	-19.85	47.67	74.00	-26.33	PK
H	4874.00	57.54	-19.85	37.69	54.00	-16.31	AV
H	7311.00	56.68	-13.93	42.75	74.00	-31.25	PK
H	7311.00	49.46	-13.93	35.53	54.00	-18.47	AV
High channel:2452MHz							
V	4904.00	71.58	-19.79	51.79	74.00	-22.21	PK
V	4904.00	61.23	-19.79	41.44	54.00	-12.56	AV
V	7356.00	62.96	-13.80	49.16	74.00	-24.84	PK
V	7356.00	53.61	-13.80	39.81	54.00	-14.19	AV
H	4904.00	68.80	-19.79	49.01	74.00	-24.99	PK
H	4904.00	58.07	-19.79	38.28	54.00	-15.72	AV
H	7356.00	61.13	-13.80	47.33	74.00	-26.67	PK
H	7356.00	52.21	-13.80	38.41	54.00	-15.59	AV

Remark:

- 1.Measurement = Reading Level + Correct Factor,
Correct Factor = Antenna Factor + Cable Loss – Pre-amplifier,
Over= Measurement – Limit
- 2.If peak below the average limit, the average emission was no test.
3. In restricted bands of operation, The spurious emissions below the permissible value more than 20dB
4. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.
5. Test Mode is MIMO Mode.

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

**Between 1GHz – 25GHz
802.11b**

Polar (H/V)	Fre- quency	Reading Level	Correct Factor	Measure- ment	Limits	Over	Detector Type
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low channel:2412MHz							
V	4824.00	72.69	-19.95	52.74	74.00	-21.26	PK
V	4824.00	62.48	-19.95	42.53	54.00	-11.47	AV
V	7236.00	61.84	-14.14	47.70	74.00	-26.30	PK
V	7236.00	52.47	-14.14	38.33	54.00	-15.67	AV
H	4824.00	68.10	-19.95	48.15	74.00	-25.85	PK
H	4824.00	59.10	-19.95	39.15	54.00	-14.85	AV
H	7236.00	59.90	-14.14	45.76	74.00	-28.24	PK
H	7236.00	52.21	-14.14	38.07	54.00	-15.93	AV
Middle channel:2437MHz							
V	4874.00	69.53	-19.85	49.68	74.00	-24.32	PK
V	4874.00	60.91	-19.85	41.06	54.00	-12.94	AV
V	7311.00	61.26	-13.93	47.33	74.00	-26.67	PK
V	7311.00	52.26	-13.93	38.33	54.00	-15.67	AV
H	4874.00	68.50	-19.85	48.65	74.00	-25.35	PK
H	4874.00	59.45	-19.85	39.60	54.00	-14.40	AV
H	7311.00	58.63	-13.93	44.70	74.00	-29.30	PK
H	7311.00	51.11	-13.93	37.18	54.00	-16.82	AV
High channel:2462MHz							
V	4924.00	72.27	-19.75	52.52	74.00	-21.48	PK
V	4924.00	61.95	-19.75	42.20	54.00	-11.80	AV
V	7386.00	65.57	-13.72	51.85	74.00	-22.15	PK
V	7386.00	55.74	-13.72	42.02	54.00	-11.98	AV
H	4924.00	70.73	-19.75	50.98	74.00	-23.02	PK
H	4924.00	60.93	-19.75	41.18	54.00	-12.82	AV
H	7386.00	64.42	-13.72	50.70	74.00	-23.30	PK
H	7386.00	56.16	-13.72	42.44	54.00	-11.56	AV

Remark:

- 1.Measurement = Reading Level + Correct Factor,
Correct Factor = Antenna Factor + Cable Loss – Pre-amplifier,
Over= Measurement – Limit
- 2.If peak below the average limit, the average emission was no test.
3. In restricted bands of operation, The spurious emissions below the permissible value more than 20dB
4. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.
5. The worst case is Antenna A.

802.11g

Polar (H/V)	Frequency (MHz)	Reading Level (dBuV/m)	Correct Factor (dB)	Measurement (dBuV/m)	Limits (dBuV/m)	Over (dB)	Detector Type
Low channel:2412MHz							
V	4824.00	70.44	-19.95	50.49	74.00	-23.51	PK
V	4824.00	61.76	-19.95	41.81	54.00	-12.19	AV
V	7236.00	61.73	-14.14	47.59	74.00	-26.41	PK
V	7236.00	52.07	-14.14	37.93	54.00	-16.07	AV
H	4824.00	69.26	-19.95	49.31	74.00	-24.69	PK
H	4824.00	58.89	-19.95	38.94	54.00	-15.06	AV
H	7236.00	59.19	-14.14	45.05	74.00	-28.95	PK
H	7236.00	50.55	-14.14	36.41	54.00	-17.59	AV
Middle channel:2437MHz							
V	4874.00	67.95	-19.85	48.10	74.00	-25.90	PK
V	4874.00	61.85	-19.85	42.00	54.00	-12.00	AV
V	7311.00	59.74	-13.93	45.81	74.00	-28.19	PK
V	7311.00	50.57	-13.93	36.64	54.00	-17.36	AV
H	4874.00	66.02	-19.85	46.17	74.00	-27.83	PK
H	4874.00	55.75	-19.85	35.90	54.00	-18.10	AV
H	7311.00	56.82	-13.93	42.89	74.00	-31.11	PK
H	7311.00	48.96	-13.93	35.03	54.00	-18.97	AV
High channel:2462MHz							
V	4924.00	70.16	-19.75	50.41	74.00	-23.59	PK
V	4924.00	60.97	-19.75	41.22	54.00	-12.78	AV
V	7386.00	63.35	-13.72	49.63	74.00	-24.37	PK
V	7386.00	54.35	-13.72	40.63	54.00	-13.37	AV
H	4924.00	68.18	-19.75	48.43	74.00	-25.57	PK
H	4924.00	57.98	-19.75	38.23	54.00	-15.77	AV
H	7386.00	62.32	-13.72	48.60	74.00	-25.40	PK
H	7386.00	55.04	-13.72	41.32	54.00	-12.68	AV

Remark:

- 1.Measurement = Reading Level + Correct Factor,
Correct Factor = Antenna Factor + Cable Loss – Pre-amplifier,
Over= Measurement – Limit
- 2.If peak below the average limit, the average emission was no test.
3. In restricted bands of operation, The spurious emissions below the permissible value more than 20dB
4. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.
5. The worst case is Antenna A.

802.11n20

Polar (H/V)	Frequency (MHz)	Reading Level (dBUV/m)	Correct Factor (dB)	Measurement (dBUV/m)	Limits (dBUV/m)	Over (dB)	Detector Type
Low channel:2412MHz							
V	4824.00	72.52	-19.95	52.57	74.00	-21.43	PK
V	4824.00	62.54	-19.95	42.59	54.00	-11.41	AV
V	7236.00	61.69	-14.14	47.55	74.00	-26.45	PK
V	7236.00	52.41	-14.14	38.27	54.00	-15.73	AV
H	4824.00	71.37	-19.95	51.42	74.00	-22.58	PK
H	4824.00	62.02	-19.95	42.07	54.00	-11.93	AV
H	7236.00	59.14	-14.14	45.00	74.00	-29.00	PK
H	7236.00	51.55	-14.14	37.41	54.00	-16.59	AV
Middle channel:2437MHz							
V	4874.00	70.50	-19.85	50.65	74.00	-23.35	PK
V	4874.00	64.25	-19.85	44.40	54.00	-9.60	AV
V	7311.00	60.06	-13.93	46.13	74.00	-27.87	PK
V	7311.00	51.60	-13.93	37.67	54.00	-16.33	AV
H	4874.00	69.09	-19.85	49.24	74.00	-24.76	PK
H	4874.00	59.51	-19.85	39.66	54.00	-14.34	AV
H	7311.00	58.22	-13.93	44.29	74.00	-29.71	PK
H	7311.00	50.60	-13.93	36.67	54.00	-17.33	AV
High channel:2462MHz							
V	4924.00	73.35	-19.75	53.60	74.00	-20.40	PK
V	4924.00	64.08	-19.75	44.33	54.00	-9.67	AV
V	7386.00	67.01	-13.72	53.29	74.00	-20.71	PK
V	7386.00	57.49	-13.72	43.77	54.00	-10.23	AV
H	4924.00	71.65	-19.75	51.90	74.00	-22.10	PK
H	4924.00	60.95	-19.75	41.20	54.00	-12.80	AV
H	7386.00	65.85	-13.72	52.13	74.00	-21.87	PK
H	7386.00	58.79	-13.72	45.07	54.00	-8.93	AV

Remark:

- 1.Measurement = Reading Level + Correct Factor,
Correct Factor = Antenna Factor + Cable Loss – Pre-amplifier,
Over= Measurement – Limit
- 2.If peak below the average limit, the average emission was no test.
3. In restricted bands of operation, The spurious emissions below the permissible value more than 20dB
4. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.
5. Test Mode is MIMO Mode.

802.11n40

Polar (H/V)	Fre- quency	Reading Level	Correct Factor	Measure- ment	Limits	Over	Detector Type
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low channel:2422MHz							
V	4844.00	72.39	-19.91	52.48	74.00	-21.52	PK
V	4844.00	62.02	-19.91	42.11	54.00	-11.89	AV
V	7266.00	64.78	-14.06	50.72	74.00	-23.28	PK
V	7266.00	54.87	-14.06	40.81	54.00	-13.19	AV
H	4844.00	68.44	-19.91	48.53	74.00	-25.47	PK
H	4844.00	58.54	-19.91	38.63	54.00	-15.37	AV
H	7266.00	61.93	-14.06	47.87	74.00	-26.13	PK
H	7266.00	54.09	-14.06	40.03	54.00	-13.97	AV
Middle channel:2437MHz							
V	4874.00	68.99	-19.85	49.14	74.00	-24.86	PK
V	4874.00	60.55	-19.85	40.70	54.00	-13.30	AV
V	7311.00	61.10	-13.93	47.17	74.00	-26.83	PK
V	7311.00	52.46	-13.93	38.53	54.00	-15.47	AV
H	4874.00	64.69	-19.85	44.84	74.00	-29.16	PK
H	4874.00	55.37	-19.85	35.52	54.00	-18.48	AV
H	7311.00	59.74	-13.93	45.81	74.00	-28.19	PK
H	7311.00	52.09	-13.93	38.16	54.00	-15.84	AV
High channel:2452MHz							
V	4904.00	71.85	-19.79	52.06	74.00	-21.94	PK
V	4904.00	63.25	-19.79	43.46	54.00	-10.54	AV
V	7356.00	63.08	-13.80	49.28	74.00	-24.72	PK
V	7356.00	53.57	-13.80	39.77	54.00	-14.23	AV
H	4904.00	69.81	-19.79	50.02	74.00	-23.98	PK
H	4904.00	59.26	-19.79	39.47	54.00	-14.53	AV
H	7356.00	60.77	-13.80	46.97	74.00	-27.03	PK
H	7356.00	53.28	-13.80	39.48	54.00	-14.52	AV

Remark:

- 1.Measurement = Reading Level + Correct Factor,
Correct Factor = Antenna Factor + Cable Loss – Pre-amplifier,
Over= Measurement – Limit
- 2.If peak below the average limit, the average emission was no test.
3. In restricted bands of operation, The spurious emissions below the permissible value more than 20dB
4. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.
5. Test Mode is MIMO Mode.

802.11ax20

Polar (H/V)	Frequency (MHz)	Reading Level (dBUV/m)	Correct Factor (dB)	Measurement (dBUV/m)	Limits (dBUV/m)	Over (dB)	Detector Type
Low channel:2412MHz							
V	4824.00	70.14	-19.95	50.19	74.00	-23.81	PK
V	4824.00	61.28	-19.95	41.33	54.00	-12.67	AV
V	7236.00	61.67	-14.14	47.53	74.00	-26.47	PK
V	7236.00	51.67	-14.14	37.53	54.00	-16.47	AV
H	4824.00	65.72	-19.95	45.77	74.00	-28.23	PK
H	4824.00	55.67	-19.95	35.72	54.00	-18.28	AV
H	7236.00	58.76	-14.14	44.62	74.00	-29.38	PK
H	7236.00	50.79	-14.14	36.65	54.00	-17.35	AV
Middle channel:2437MHz							
V	4874.00	68.56	-19.85	48.71	74.00	-25.29	PK
V	4874.00	61.95	-19.85	42.10	54.00	-11.90	AV
V	7311.00	58.42	-13.93	44.49	74.00	-29.51	PK
V	7311.00	49.36	-13.93	35.43	54.00	-18.57	AV
H	4874.00	65.87	-19.85	46.02	74.00	-27.98	PK
H	4874.00	56.45	-19.85	36.60	54.00	-17.40	AV
H	7311.00	55.84	-13.93	41.91	74.00	-32.09	PK
H	7311.00	47.23	-13.93	33.30	54.00	-20.70	AV
High channel:2462MHz							
V	4924.00	70.49	-19.75	50.74	74.00	-23.26	PK
V	4924.00	60.08	-19.75	40.33	54.00	-13.67	AV
V	7386.00	63.24	-13.72	49.52	74.00	-24.48	PK
V	7386.00	54.08	-13.72	40.36	54.00	-13.64	AV
H	4924.00	68.05	-19.75	48.30	74.00	-25.70	PK
H	4924.00	58.32	-19.75	38.57	54.00	-15.43	AV
H	7386.00	60.35	-13.72	46.63	74.00	-27.37	PK
H	7386.00	52.84	-13.72	39.12	54.00	-14.88	AV

Remark:

- 1.Measurement = Reading Level + Correct Factor,
Correct Factor = Antenna Factor + Cable Loss – Pre-amplifier,
Over= Measurement – Limit
- 2.If peak below the average limit, the average emission was no test.
3. In restricted bands of operation, The spurious emissions below the permissible value more than 20dB
4. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.
5. Test Mode is MIMO Mode.

802.11ax40

Polar (H/V)	Fre- quency	Reading Level	Correct Factor	Measure- ment	Limits	Over	Detector Type
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low channel:2422MHz							
V	4844.00	70.95	-19.91	51.04	74.00	-22.96	PK
V	4844.00	60.76	-19.91	40.85	54.00	-13.15	AV
V	7266.00	63.62	-14.06	49.56	74.00	-24.44	PK
V	7266.00	54.43	-14.06	40.37	54.00	-13.63	AV
H	4844.00	68.80	-19.91	48.89	74.00	-25.11	PK
H	4844.00	59.79	-19.91	39.88	54.00	-14.12	AV
H	7266.00	62.24	-14.06	48.18	74.00	-25.82	PK
H	7266.00	53.41	-14.06	39.35	54.00	-14.65	AV
Middle channel:2437MHz							
V	4874.00	68.12	-19.85	48.27	74.00	-25.73	PK
V	4874.00	59.48	-19.85	39.63	54.00	-14.37	AV
V	7311.00	57.57	-13.93	43.64	74.00	-30.36	PK
V	7311.00	49.46	-13.93	35.53	54.00	-18.47	AV
H	4874.00	65.59	-19.85	45.74	74.00	-28.26	PK
H	4874.00	55.17	-19.85	35.32	54.00	-18.68	AV
H	7311.00	54.62	-13.93	40.69	74.00	-33.31	PK
H	7311.00	46.26	-13.93	32.33	54.00	-21.67	AV
High channel:2452MHz							
V	4904.00	70.98	-19.79	51.19	74.00	-22.81	PK
V	4904.00	62.73	-19.79	42.94	54.00	-11.06	AV
V	7356.00	63.19	-13.80	49.39	74.00	-24.61	PK
V	7356.00	53.98	-13.80	40.18	54.00	-13.82	AV
H	4904.00	68.10	-19.79	48.31	74.00	-25.69	PK
H	4904.00	57.77	-19.79	37.98	54.00	-16.02	AV
H	7356.00	61.56	-13.80	47.76	74.00	-26.24	PK
H	7356.00	54.32	-13.80	40.52	54.00	-13.48	AV

Remark:

- 1.Measurement = Reading Level + Correct Factor,
Correct Factor = Antenna Factor + Cable Loss – Pre-amplifier,
Over= Measurement – Limit
- 2.If peak below the average limit, the average emission was no test.
3. In restricted bands of operation, The spurious emissions below the permissible value more than 20dB
4. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.
5. Test Mode is MIMO Mode.

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

**Between 1GHz – 25GHz
802.11b**

Polar (H/V)	Fre- quency	Reading Level	Correct Factor	Measure- ment	Limits	Over	Detector Type
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low channel:2412MHz							
V	4824.00	70.14	-19.95	50.19	74.00	-23.81	PK
V	4824.00	61.28	-19.95	41.33	54.00	-12.67	AV
V	7236.00	61.67	-14.14	47.53	74.00	-26.47	PK
V	7236.00	51.67	-14.14	37.53	54.00	-16.47	AV
H	4824.00	65.72	-19.95	45.77	74.00	-28.23	PK
H	4824.00	55.67	-19.95	35.72	54.00	-18.28	AV
H	7236.00	58.76	-14.14	44.62	74.00	-29.38	PK
H	7236.00	50.79	-14.14	36.65	54.00	-17.35	AV
Middle channel:2437MHz							
V	4874.00	68.56	-19.85	48.71	74.00	-25.29	PK
V	4874.00	61.95	-19.85	42.10	54.00	-11.90	AV
V	7311.00	58.42	-13.93	44.49	74.00	-29.51	PK
V	7311.00	49.36	-13.93	35.43	54.00	-18.57	AV
H	4874.00	65.87	-19.85	46.02	74.00	-27.98	PK
H	4874.00	56.45	-19.85	36.60	54.00	-17.40	AV
H	7311.00	55.84	-13.93	41.91	74.00	-32.09	PK
H	7311.00	47.23	-13.93	33.30	54.00	-20.70	AV
High channel:2462MHz							
V	4924.00	70.49	-19.75	50.74	74.00	-23.26	PK
V	4924.00	60.08	-19.75	40.33	54.00	-13.67	AV
V	7386.00	63.24	-13.72	49.52	74.00	-24.48	PK
V	7386.00	54.08	-13.72	40.36	54.00	-13.64	AV
H	4924.00	68.05	-19.75	48.30	74.00	-25.70	PK
H	4924.00	58.32	-19.75	38.57	54.00	-15.43	AV
H	7386.00	60.35	-13.72	46.63	74.00	-27.37	PK
H	7386.00	52.84	-13.72	39.12	54.00	-14.88	AV

Remark:

- 1.Measurement = Reading Level + Correct Factor,
Correct Factor = Antenna Factor + Cable Loss – Pre-amplifier,
Over= Measurement – Limit
- 2.If peak below the average limit, the average emission was no test.
3. In restricted bands of operation, The spurious emissions below the permissible value more than 20dB
4. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.
5. The worst case is Antenna A.

802.11g

Polar (H/V)	Fre- quency (MHz)	Reading Level (dBuV/m)	Correct Factor (dB)	Measure- ment (dBuV/m)	Limits (dBuV/m)	Over (dB)	Detector Type
Low channel:2412MHz							
V	4824.00	72.27	-19.95	52.32	74.00	-21.68	PK
V	4824.00	62.54	-19.95	42.59	54.00	-11.41	AV
V	7236.00	64.90	-14.14	50.76	74.00	-23.24	PK
V	7236.00	55.18	-14.14	41.04	54.00	-12.96	AV
H	4824.00	67.68	-19.95	47.73	74.00	-26.27	PK
H	4824.00	57.95	-19.95	38.00	54.00	-16.00	AV
H	7236.00	63.83	-14.14	49.69	74.00	-24.31	PK
H	7236.00	55.92	-14.14	41.78	54.00	-12.22	AV
Middle channel:2437MHz							
V	4874.00	69.56	-19.85	49.71	74.00	-24.29	PK
V	4874.00	63.14	-19.85	43.29	54.00	-10.71	AV
V	7311.00	62.54	-13.93	48.61	74.00	-25.39	PK
V	7311.00	52.73	-13.93	38.80	54.00	-15.20	AV
H	4874.00	66.16	-19.85	46.31	74.00	-27.69	PK
H	4874.00	56.44	-19.85	36.59	54.00	-17.41	AV
H	7311.00	59.87	-13.93	45.94	74.00	-28.06	PK
H	7311.00	51.19	-13.93	37.26	54.00	-16.74	AV
High channel:2462MHz							
V	4924.00	72.21	-19.75	52.46	74.00	-21.54	PK
V	4924.00	63.24	-19.75	43.49	54.00	-10.51	AV
V	7386.00	65.44	-13.72	51.72	74.00	-22.28	PK
V	7386.00	55.85	-13.72	42.13	54.00	-11.87	AV
H	4924.00	69.50	-19.75	49.75	74.00	-24.25	PK
H	4924.00	59.50	-19.75	39.75	54.00	-14.25	AV
H	7386.00	62.57	-13.72	48.85	74.00	-25.15	PK
H	7386.00	53.65	-13.72	39.93	54.00	-14.07	AV

Remark:

- 1.Measurement = Reading Level + Correct Factor,
Correct Factor = Antenna Factor + Cable Loss – Pre-amplifier,
Over= Measurement – Limit
- 2.If peak below the average limit, the average emission was no test.
3. In restricted bands of operation, The spurious emissions below the permissible value more than 20dB
4. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.
5. The worst case is Antenna A.

802.11n20

Polar (H/V)	Frequency (MHz)	Reading Level (dBUV/m)	Correct Factor (dB)	Measurement (dBUV/m)	Limits (dBUV/m)	Over (dB)	Detector Type
Low channel:2412MHz							
V	4824.00	70.66	-19.95	50.71	74.00	-23.29	PK
V	4824.00	60.58	-19.95	40.63	54.00	-13.37	AV
V	7236.00	60.34	-14.14	46.20	74.00	-27.80	PK
V	7236.00	50.95	-14.14	36.81	54.00	-17.19	AV
H	4824.00	67.32	-19.95	47.37	74.00	-26.63	PK
H	4824.00	56.69	-19.95	36.74	54.00	-17.26	AV
H	7236.00	57.50	-14.14	43.36	74.00	-30.64	PK
H	7236.00	49.26	-14.14	35.12	54.00	-18.88	AV
Middle channel:2437MHz							
V	4874.00	67.56	-19.85	47.71	74.00	-26.29	PK
V	4874.00	60.73	-19.85	40.88	54.00	-13.12	AV
V	7311.00	59.62	-13.93	45.69	74.00	-28.31	PK
V	7311.00	50.29	-13.93	36.36	54.00	-17.64	AV
H	4874.00	63.96	-19.85	44.11	74.00	-29.89	PK
H	4874.00	54.46	-19.85	34.61	54.00	-19.39	AV
H	7311.00	57.46	-13.93	43.53	74.00	-30.47	PK
H	7311.00	50.45	-13.93	36.52	54.00	-17.48	AV
High channel:2462MHz							
V	4924.00	69.45	-19.75	49.70	74.00	-24.30	PK
V	4924.00	58.94	-19.75	39.19	54.00	-14.81	AV
V	7386.00	62.84	-13.72	49.12	74.00	-24.88	PK
V	7386.00	51.95	-13.72	38.23	54.00	-15.77	AV
H	4924.00	66.50	-19.75	46.75	74.00	-27.25	PK
H	4924.00	56.85	-19.75	37.10	54.00	-16.90	AV
H	7386.00	60.68	-13.72	46.96	74.00	-27.04	PK
H	7386.00	52.18	-13.72	38.46	54.00	-15.54	AV

Remark:

- 1.Measurement = Reading Level + Correct Factor,
Correct Factor = Antenna Factor + Cable Loss – Pre-amplifier,
Over= Measurement – Limit
- 2.If peak below the average limit, the average emission was no test.
3. In restricted bands of operation, The spurious emissions below the permissible value more than 20dB
4. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.
5. Test Mode is MIMO Mode.

802.11n40

Polar (H/V)	Fre- quency (MHz)	Reading Level (dBuV/m)	Correct Factor (dB)	Measure- ment (dBuV/m)	Limits (dBuV/m)	Over (dB)	Detector Type
Low channel:2422MHz							
V	4844.00	71.80	-19.91	51.89	74.00	-22.11	PK
V	4844.00	62.82	-19.91	42.91	54.00	-11.09	AV
V	7266.00	61.72	-14.06	47.66	74.00	-26.34	PK
V	7266.00	51.14	-14.06	37.08	54.00	-16.92	AV
H	4844.00	68.12	-19.91	48.21	74.00	-25.79	PK
H	4844.00	57.26	-19.91	37.35	54.00	-16.65	AV
H	7266.00	58.94	-14.06	44.88	74.00	-29.12	PK
H	7266.00	51.47	-14.06	37.41	54.00	-16.59	AV
Middle channel:2437MHz							
V	4874.00	69.56	-19.85	49.71	74.00	-24.29	PK
V	4874.00	63.18	-19.85	43.33	54.00	-10.67	AV
V	7311.00	58.78	-13.93	44.85	74.00	-29.15	PK
V	7311.00	49.85	-13.93	35.92	54.00	-18.08	AV
H	4874.00	68.54	-19.85	48.69	74.00	-25.31	PK
H	4874.00	58.52	-19.85	38.67	54.00	-15.33	AV
H	7311.00	56.67	-13.93	42.74	74.00	-31.26	PK
H	7311.00	47.93	-13.93	34.00	54.00	-20.00	AV
High channel:2452MHz							
V	4904.00	71.82	-19.79	52.03	74.00	-21.97	PK
V	4904.00	63.37	-19.79	43.58	54.00	-10.42	AV
V	7356.00	63.37	-13.80	49.57	74.00	-24.43	PK
V	7356.00	53.02	-13.80	39.22	54.00	-14.78	AV
H	4904.00	70.02	-19.79	50.23	74.00	-23.77	PK
H	4904.00	59.39	-19.79	39.60	54.00	-14.40	AV
H	7356.00	62.35	-13.80	48.55	74.00	-25.45	PK
H	7356.00	54.66	-13.80	40.86	54.00	-13.14	AV

Remark:

- 1.Measurement = Reading Level + Correct Factor,
Correct Factor = Antenna Factor + Cable Loss – Pre-amplifier,
Over= Measurement – Limit
- 2.If peak below the average limit, the average emission was no test.
3. In restricted bands of operation, The spurious emissions below the permissible value more than 20dB
4. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.
5. Test Mode is MIMO Mode.

802.11ax20

Polar (H/V)	Frequency (MHz)	Reading Level (dBUV/m)	Correct Factor (dB)	Measurement (dBUV/m)	Limits (dBUV/m)	Over (dB)	Detector Type
Low channel:2412MHz							
V	4824.00	72.75	-19.95	52.80	74.00	-21.20	PK
V	4824.00	62.98	-19.95	43.03	54.00	-10.97	AV
V	7236.00	63.97	-14.14	49.83	74.00	-24.17	PK
V	7236.00	53.75	-14.14	39.61	54.00	-14.39	AV
H	4824.00	69.33	-19.95	49.38	74.00	-24.62	PK
H	4824.00	58.84	-19.95	38.89	54.00	-15.11	AV
H	7236.00	62.35	-14.14	48.21	74.00	-25.79	PK
H	7236.00	54.32	-14.14	40.18	54.00	-13.82	AV
Middle channel:2437MHz							
V	4874.00	71.41	-19.85	51.56	74.00	-22.44	PK
V	4874.00	63.36	-19.85	43.51	54.00	-10.49	AV
V	7311.00	63.47	-13.93	49.54	74.00	-24.46	PK
V	7311.00	54.46	-13.93	40.53	54.00	-13.47	AV
H	4874.00	69.18	-19.85	49.33	74.00	-24.67	PK
H	4874.00	58.27	-19.85	38.42	54.00	-15.58	AV
H	7311.00	61.86	-13.93	47.93	74.00	-26.07	PK
H	7311.00	53.37	-13.93	39.44	54.00	-14.56	AV
High channel:2462MHz							
V	4924.00	73.91	-19.75	54.16	74.00	-19.84	PK
V	4924.00	64.18	-19.75	44.43	54.00	-9.57	AV
V	7386.00	67.38	-13.72	53.66	74.00	-20.34	PK
V	7386.00	57.75	-13.72	44.03	54.00	-9.97	AV
H	4924.00	72.56	-19.75	52.81	74.00	-21.19	PK
H	4924.00	61.98	-19.75	42.23	54.00	-11.77	AV
H	7386.00	65.85	-13.72	52.13	74.00	-21.87	PK
H	7386.00	57.33	-13.72	43.61	54.00	-10.39	AV

Remark:

- 1.Measurement = Reading Level + Correct Factor,
Correct Factor = Antenna Factor + Cable Loss – Pre-amplifier,
Over= Measurement – Limit
- 2.If peak below the average limit, the average emission was no test.
3. In restricted bands of operation, The spurious emissions below the permissible value more than 20dB
4. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.
5. Test Mode is MIMO Mode.

802.11ax40

Polar (H/V)	Fre- quency	Reading Level	Correct Factor	Measure- ment	Limits	Over	Detector Type
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Low channel:2422MHz							
V	4844.00	70.99	-19.91	51.08	74.00	-22.92	PK
V	4844.00	60.31	-19.91	40.40	54.00	-13.60	AV
V	7266.00	62.50	-14.06	48.44	74.00	-25.56	PK
V	7266.00	53.14	-14.06	39.08	54.00	-14.92	AV
H	4844.00	66.77	-19.91	46.86	74.00	-27.14	PK
H	4844.00	57.03	-19.91	37.12	54.00	-16.88	AV
H	7266.00	59.67	-14.06	45.61	74.00	-28.39	PK
H	7266.00	52.00	-14.06	37.94	54.00	-16.06	AV
Middle channel:2437MHz							
V	4874.00	69.05	-19.85	49.20	74.00	-24.80	PK
V	4874.00	60.56	-19.85	40.71	54.00	-13.29	AV
V	7311.00	58.54	-13.93	44.61	74.00	-29.39	PK
V	7311.00	49.74	-13.93	35.81	54.00	-18.19	AV
H	4874.00	64.25	-19.85	44.40	74.00	-29.60	PK
H	4874.00	54.96	-19.85	35.11	54.00	-18.89	AV
H	7311.00	57.04	-13.93	43.11	74.00	-30.89	PK
H	7311.00	48.72	-13.93	34.79	54.00	-19.21	AV
High channel:2452MHz							
V	4904.00	71.00	-19.79	51.21	74.00	-22.79	PK
V	4904.00	60.18	-19.79	40.39	54.00	-13.61	AV
V	7356.00	62.28	-13.80	48.48	74.00	-25.52	PK
V	7356.00	51.39	-13.80	37.59	54.00	-16.41	AV
H	4904.00	69.67	-19.79	49.88	74.00	-24.12	PK
H	4904.00	60.63	-19.79	40.84	54.00	-13.16	AV
H	7356.00	59.93	-13.80	46.13	74.00	-27.87	PK
H	7356.00	52.45	-13.80	38.65	54.00	-15.35	AV

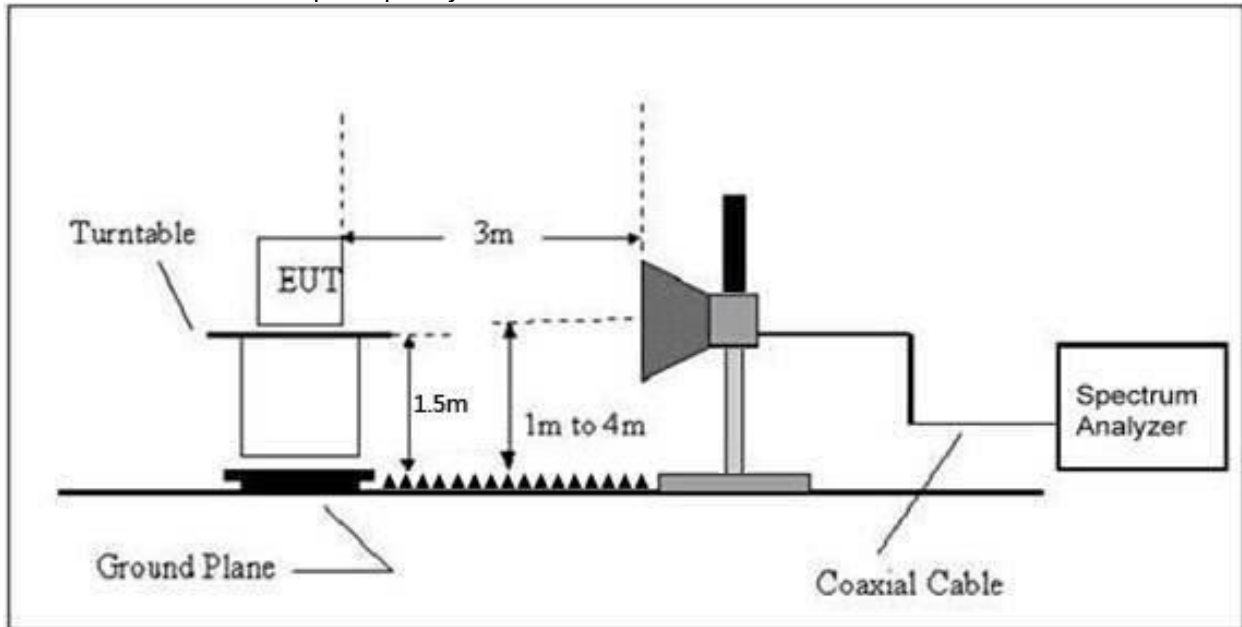
Remark:

- 1.Measurement = Reading Level + Correct Factor,
Correct Factor = Antenna Factor + Cable Loss – Pre-amplifier,
Over= Measurement – Limit
- 2.If peak below the average limit, the average emission was no test.
3. In restricted bands of operation, The spurious emissions below the permissible value more than 20dB
4. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.
5. Test Mode is MIMO Mode.

8. Radiated Band Emission Measurement And Restricted Bands Of Operation

8.1 Block Diagram Of Test Setup

Radiated Emission Test-Up Frequency Above 1GHz



8.2 Limit

FCC Part15 C Section 15.209 and 15.205

(a) Except as shown in paragraph (d) of this section, only spurious emissions are permitted in any of the frequency bands listed below:

MHz	MHz	MHz	GHz
0.090-0.110	16.42-16.423	399.9-410	4.5-5.15
0.495-0.505	16.69475-16.69525	608-614	5.35-5.46
2.1735-2.1905	16.80425-16.80475	960-1240	7.25-7.75
4.125-4.128	25.5-25.67	1300-1427	8.025-8.5
4.17725-4.17775	37.5-38.25	1435-1626.5	9.0-9.2
4.20725-4.20775	73-74.6	1645.5-1646.5	9.3-9.5
6.215-6.218	74.8-75.2	1660-1710	10.6-12.7
6.26775-6.26825	108-121.94	1718.8-1722.2	13.25-13.4
6.31175-6.31225	123-138	2200-2300	14.47-14.5
8.291-8.294	149.9-150.05	2310-2390	15.35-16.2
8.362-8.366	156.52475-156.52525	2483.5-2500	17.7-21.4
8.37625-8.38675	156.7-156.9	2690-2900	22.01-23.12
8.41425-8.41475	162.0125-167.17	3260-3267	23.6-24.0
12.29-12.293	167.72-173.2	3332-3339	31.2-31.8
12.51975-12.52025	240-285	3345.8-3358	36.43-36.5
12.57675-12.57725	322-335.4	3600-4400	(2)
13.36-13.41			

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).

8.3 Test procedure

Receiver Parameter	Setting
Attenuation	Auto
Start Frequency	2300MHz
Stop Frequency	2520
RB / VB (emission in restricted band)	1 MHz / 1 MHz for Peak, 1 MHz / 10Hz for Average

Above 1GHz test procedure as below:

a.The EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter camber. The table was rotated 360 degrees to determine the position of the highest radiation.

b.The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.

c.The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.

d.For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rota table was turned from 0 degrees to 360 degrees to find the maximum reading.

e.The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.

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

g. Test the EUT in the lowest channel, the middlest channel, the Highest channel.

Note:

Both horizontal and vertical antenna polarities were tested and performed pretest to three orthogonal axis. The worst case emissions were reported.

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

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

Test mode	Polar (H/V)	Frequency (MHz)	Reading Level (dBuV/m)	Correct Factor (dB)	Measurement (dBuV/m)	Limits (dBuV/m)		Result
					PK	PK	AV	
802.11b	Low Channel 2412MHz							
	H	2390.00	73.77	-25.43	48.34	74.00	54.00	PASS
	H	2400.00	75.11	-25.40	49.71	74.00	54.00	PASS
	V	2390.00	73.54	-25.43	48.11	74.00	54.00	PASS
	V	2400.00	74.95	-25.40	49.55	74.00	54.00	PASS
	High Channel 2462MHz							
	H	2483.50	74.12	-25.15	48.97	74.00	54.00	PASS
	H	2500.00	70.67	-25.10	45.57	74.00	54.00	PASS
	V	2483.50	71.76	-25.15	46.61	74.00	54.00	PASS
	V	2500.00	67.97	-25.10	42.87	74.00	54.00	PASS
802.11g	Low Channel 2412MHz							
	H	2390.00	73.08	-25.43	47.65	74.00	54.00	PASS
	H	2400.00	74.32	-25.40	48.92	74.00	54.00	PASS
	V	2390.00	73.96	-25.43	48.53	74.00	54.00	PASS
	V	2400.00	75.65	-25.40	50.25	74.00	54.00	PASS
	High Channel 2462MHz							
	H	2483.50	71.54	-25.15	46.39	74.00	54.00	PASS
	H	2500.00	69.56	-25.10	44.46	74.00	54.00	PASS
	V	2483.50	72.64	-25.15	47.49	74.00	54.00	PASS
	V	2500.00	68.58	-25.10	43.48	74.00	54.00	PASS

Remark:

- 1.Measurement = Reading Level + Correct Factor,
Correct Factor = Antenna Factor + Cable Loss – Pre-amplifier,
Over= Measurement – Limit
2. If the PK measured levels comply with average limit, then the average level were deemed to comply with average limit.
- 3 In restricted bands of operation, The spurious emissions below the permissible value more than 20dB
- 4.The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.
- 5.The worst case is Antenna A.

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Test mode	Polar (H/V)	Frequency (MHz)	Reading Level (dBuV/m)	Correct Factor (dB)	Measure- ment (dBuV/m)	Limits (dBuV/m)		Result
					PK	PK	AV	
802.11n20	Low Channel 2412MHz							
	H	2390.00	73.91	-25.43	48.48	74.00	54.00	PASS
	H	2400.00	75.16	-25.40	49.76	74.00	54.00	PASS
	V	2390.00	74.60	-25.43	49.17	74.00	54.00	PASS
	V	2400.00	74.79	-25.40	49.39	74.00	54.00	PASS
	High Channel 2462MHz							
	H	2483.50	72.77	-25.15	47.62	74.00	54.00	PASS
	H	2500.00	70.21	-25.10	45.11	74.00	54.00	PASS
	V	2483.50	72.71	-25.15	47.56	74.00	54.00	PASS
	V	2500.00	68.18	-25.10	43.08	74.00	54.00	PASS
802.11n40	Low Channel 2422MHz							
	H	2390.00	73.78	-25.43	48.35	74.00	54.00	PASS
	H	2400.00	75.06	-25.40	49.66	74.00	54.00	PASS
	V	2390.00	73.88	-25.43	48.45	74.00	54.00	PASS
	V	2400.00	74.44	-25.40	49.04	74.00	54.00	PASS
	High Channel 2452MHz							
	H	2483.50	73.56	-25.15	48.41	74.00	54.00	PASS
	H	2500.00	69.71	-25.10	44.61	74.00	54.00	PASS
	V	2483.50	72.95	-25.15	47.80	74.00	54.00	PASS
	V	2500.00	68.52	-25.10	43.42	74.00	54.00	PASS
Remark: 1.Measurement = Reading Level + Correct Factor, Correct Factor = Antenna Factor + Cable Loss – Pre-amplifier, Over= Measurement – Limit 2. If the PK measured levels comply with average limit, then the average level were deemed to comply with average limit. 3 In restricted bands of operation, The spurious emissions below the permissible value more than 20dB 4.The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported. 5.Test Mode is MIMO Mode.								

Test mode	Polar (H/V)	Frequency (MHz)	Reading Level (dBuV/m)	Correct Factor (dB)	Measurement (dBuV/m)	Limits (dBuV/m)		Result
					PK	PK	AV	
802.11ax20	Low Channel 2412MHz							
	H	2390.00	73.88	-25.43	48.45	74.00	54.00	PASS
	H	2400.00	75.55	-25.40	50.15	74.00	54.00	PASS
	V	2390.00	73.23	-25.43	47.80	74.00	54.00	PASS
	V	2400.00	73.46	-25.40	48.06	74.00	54.00	PASS
	High Channel 2462MHz							
	H	2483.50	72.86	-25.15	47.71	74.00	54.00	PASS
	H	2500.00	70.26	-25.10	45.16	74.00	54.00	PASS
	V	2483.50	71.91	-25.15	46.76	74.00	54.00	PASS
	V	2500.00	67.01	-25.10	41.91	74.00	54.00	PASS
802.11ax40	Low Channel 2422MHz							
	H	2390.00	72.73	-25.43	47.30	74.00	54.00	PASS
	H	2400.00	74.64	-25.40	49.24	74.00	54.00	PASS
	V	2390.00	72.82	-25.43	47.39	74.00	54.00	PASS
	V	2400.00	74.15	-25.40	48.75	74.00	54.00	PASS
	High Channel 2452MHz							
	H	2483.50	72.88	-25.15	47.73	74.00	54.00	PASS
	H	2500.00	69.37	-25.10	44.27	74.00	54.00	PASS
	V	2483.50	73.26	-25.15	48.11	74.00	54.00	PASS
	V	2500.00	69.84	-25.10	44.74	74.00	54.00	PASS
Remark: 1.Measurement = Reading Level + Correct Factor, Correct Factor = Antenna Factor + Cable Loss – Pre-amplifier, Over= Measurement – Limit 2. If the PK measured levels comply with average limit, then the average level were deemed to comply with average limit. 3 In restricted bands of operation, The spurious emissions below the permissible value more than 20dB 4.The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported. 5.Test Mode is MIMO Mode.								



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

Test mode	Polar (H/V)	Frequency (MHz)	Reading Level (dBuV/m)	Correct Factor (dB)	Measurement (dBuV/m)	Limits (dBuV/m)		Result
					PK	PK	AV	
802.11b	Low Channel 2412MHz							
	H	2390.00	73.37	-25.43	47.94	74.00	54.00	PASS
	H	2400.00	74.75	-25.40	49.35	74.00	54.00	PASS
	V	2390.00	72.76	-25.43	47.33	74.00	54.00	PASS
	V	2400.00	73.51	-25.40	48.11	74.00	54.00	PASS
	High Channel 2462MHz							
	H	2483.50	72.31	-25.15	47.16	74.00	54.00	PASS
	H	2500.00	69.34	-25.10	44.24	74.00	54.00	PASS
	V	2483.50	71.57	-25.15	46.42	74.00	54.00	PASS
	V	2500.00	68.55	-25.10	43.45	74.00	54.00	PASS
802.11g	Low Channel 2412MHz							
	H	2390.00	72.92	-25.43	47.49	74.00	54.00	PASS
	H	2400.00	74.82	-25.40	49.42	74.00	54.00	PASS
	V	2390.00	72.98	-25.43	47.55	74.00	54.00	PASS
	V	2400.00	73.86	-25.40	48.46	74.00	54.00	PASS
	High Channel 2462MHz							
	H	2483.50	71.70	-25.15	46.55	74.00	54.00	PASS
	H	2500.00	68.62	-25.10	43.52	74.00	54.00	PASS
	V	2483.50	72.22	-25.15	47.07	74.00	54.00	PASS
	V	2500.00	68.55	-25.10	43.45	74.00	54.00	PASS
Remark: 1.Measurement = Reading Level + Correct Factor, Correct Factor = Antenna Factor + Cable Loss – Pre-amplifier, Over= Measurement – Limit 2. If the PK measured levels comply with average limit, then the average level were deemed to comply with average limit. 3 In restricted bands of operation, The spurious emissions below the permissible value more than 20dB 4.The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported. 5.The worst case is Antenna A.								

Test mode	Polar (H/V)	Frequency (MHz)	Reading Level (dBuV/m)	Correct Factor (dB)	Measurement (dBuV/m)	Limits (dBuV/m)		Result
					PK	PK	AV	
802.11n20	Low Channel 2412MHz							
	H	2390.00	72.80	-25.43	47.37	74.00	54.00	PASS
	H	2400.00	75.09	-25.40	49.69	74.00	54.00	PASS
	V	2390.00	72.82	-25.43	47.39	74.00	54.00	PASS
	V	2400.00	73.76	-25.40	48.36	74.00	54.00	PASS
	High Channel 2462MHz							
	H	2483.50	73.08	-25.15	47.93	74.00	54.00	PASS
	H	2500.00	69.19	-25.10	44.09	74.00	54.00	PASS
	V	2483.50	71.68	-25.15	46.53	74.00	54.00	PASS
	V	2500.00	68.54	-25.10	43.44	74.00	54.00	PASS
802.11n40	Low Channel 2422MHz							
	H	2390.00	73.67	-25.43	48.24	74.00	54.00	PASS
	H	2400.00	76.58	-25.40	51.18	74.00	54.00	PASS
	V	2390.00	73.80	-25.43	48.37	74.00	54.00	PASS
	V	2400.00	74.89	-25.40	49.49	74.00	54.00	PASS
	High Channel 2452MHz							
	H	2483.50	72.35	-25.15	47.20	74.00	54.00	PASS
	H	2500.00	69.01	-25.10	43.91	74.00	54.00	PASS
	V	2483.50	73.44	-25.15	48.29	74.00	54.00	PASS
	V	2500.00	69.47	-25.10	44.37	74.00	54.00	PASS
Remark: 1.Measurement = Reading Level + Correct Factor, Correct Factor = Antenna Factor + Cable Loss – Pre-amplifier, Over= Measurement – Limit 2. If the PK measured levels comply with average limit, then the average level were deemed to comply with average limit. 3 In restricted bands of operation, The spurious emissions below the permissible value more than 20dB 4.The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported. 5.Test Mode is MIMO Mode.								

Test mode	Polar (H/V)	Frequency (MHz)	Reading Level (dBuV/m)	Correct Factor (dB)	Measurement (dBuV/m)	Limits (dBuV/m)		Result
					PK	PK	AV	
802.11ax20	Low Channel 2412MHz							
	H	2390.00	72.16	-25.43	46.73	74.00	54.00	PASS
	H	2400.00	74.59	-25.40	49.19	74.00	54.00	PASS
	V	2390.00	71.27	-25.43	45.84	74.00	54.00	PASS
	V	2400.00	71.64	-25.40	46.24	74.00	54.00	PASS
	High Channel 2462MHz							
	H	2483.50	72.24	-25.15	47.09	74.00	54.00	PASS
	H	2500.00	67.95	-25.10	42.85	74.00	54.00	PASS
	V	2483.50	69.85	-25.15	44.70	74.00	54.00	PASS
	V	2500.00	65.18	-25.10	40.08	74.00	54.00	PASS
802.11ax40	Low Channel 2422MHz							
	H	2390.00	73.80	-25.43	48.37	74.00	54.00	PASS
	H	2400.00	76.26	-25.40	50.86	74.00	54.00	PASS
	V	2390.00	74.50	-25.43	49.07	74.00	54.00	PASS
	V	2400.00	74.75	-25.40	49.35	74.00	54.00	PASS
	High Channel 2452MHz							
	H	2483.50	73.55	-25.15	48.40	74.00	54.00	PASS
	H	2500.00	70.17	-25.10	45.07	74.00	54.00	PASS
	V	2483.50	72.85	-25.15	47.70	74.00	54.00	PASS
	V	2500.00	68.70	-25.10	43.60	74.00	54.00	PASS
Remark: 1.Measurement = Reading Level + Correct Factor, Correct Factor = Antenna Factor + Cable Loss – Pre-amplifier, Over= Measurement – Limit 2. If the PK measured levels comply with average limit, then the average level were deemed to comply with average limit. 3 In restricted bands of operation, The spurious emissions below the permissible value more than 20dB 4.The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported. 5.Test Mode is MIMO Mode.								

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

Aspire 67325 SS (CP: 67.155475 Battery:1)

Test mode	Polar (H/V)	Frequency (MHz)	Reading Level (dBuV/m)	Correct Factor (dB)	Measurement (dBuV/m)	Limits (dBuV/m)		Result
					PK	PK	AV	
802.11b	Low Channel 2412MHz							
	H	2390.00	73.71	-25.43	48.28	74.00	54.00	PASS
	H	2400.00	74.89	-25.40	49.49	74.00	54.00	PASS
	V	2390.00	74.32	-25.43	48.89	74.00	54.00	PASS
	V	2400.00	74.23	-25.40	48.83	74.00	54.00	PASS
	High Channel 2462MHz							
	H	2483.50	73.67	-25.15	48.52	74.00	54.00	PASS
	H	2500.00	69.30	-25.10	44.20	74.00	54.00	PASS
	V	2483.50	74.59	-25.15	49.44	74.00	54.00	PASS
	V	2500.00	69.83	-25.10	44.73	74.00	54.00	PASS
802.11g	Low Channel 2412MHz							
	H	2390.00	72.82	-25.43	47.39	74.00	54.00	PASS
	H	2400.00	74.10	-25.40	48.70	74.00	54.00	PASS
	V	2390.00	72.38	-25.43	46.95	74.00	54.00	PASS
	V	2400.00	73.26	-25.40	47.86	74.00	54.00	PASS
	High Channel 2462MHz							
	H	2483.50	72.23	-25.15	47.08	74.00	54.00	PASS
	H	2500.00	68.39	-25.10	43.29	74.00	54.00	PASS
	V	2483.50	72.80	-25.15	47.65	74.00	54.00	PASS
	V	2500.00	68.59	-25.10	43.49	74.00	54.00	PASS
Remark: 1.Measurement = Reading Level + Correct Factor, Correct Factor = Antenna Factor + Cable Loss – Pre-amplifier, Over= Measurement – Limit 2. If the PK measured levels comply with average limit, then the average level were deemed to comply with average limit. 3 In restricted bands of operation, The spurious emissions below the permissible value more than 20dB 4.The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported. 5.The worst case is Antenna A.								

Test mode	Polar (H/V)	Frequency (MHz)	Reading Level (dBuV/m)	Correct Factor (dB)	Measure- ment (dBuV/m)	Limits (dBuV/m)		Result
					PK	PK	AV	
802.11n20	Low Channel 2412MHz							
	H	2390.00	72.94	-25.43	47.51	74.00	54.00	PASS
	H	2400.00	73.99	-25.40	48.59	74.00	54.00	PASS
	V	2390.00	73.53	-25.43	48.10	74.00	54.00	PASS
	V	2400.00	73.43	-25.40	48.03	74.00	54.00	PASS
	High Channel 2462MHz							
	H	2483.50	72.42	-25.15	47.27	74.00	54.00	PASS
	H	2500.00	69.54	-25.10	44.44	74.00	54.00	PASS
	V	2483.50	72.89	-25.15	47.74	74.00	54.00	PASS
	V	2500.00	69.05	-25.10	43.95	74.00	54.00	PASS
802.11n40	Low Channel 2422MHz							
	H	2390.00	73.91	-25.43	48.48	74.00	54.00	PASS
	H	2400.00	75.02	-25.40	49.62	74.00	54.00	PASS
	V	2390.00	74.88	-25.43	49.45	74.00	54.00	PASS
	V	2400.00	75.57	-25.40	50.17	74.00	54.00	PASS
	High Channel 2452MHz							
	H	2483.50	73.65	-25.15	48.50	74.00	54.00	PASS
	H	2500.00	70.24	-25.10	45.14	74.00	54.00	PASS
	V	2483.50	73.20	-25.15	48.05	74.00	54.00	PASS
	V	2500.00	69.56	-25.10	44.46	74.00	54.00	PASS

Remark:

- 1.Measurement = Reading Level + Correct Factor,
Correct Factor = Antenna Factor + Cable Loss – Pre-amplifier,
Over= Measurement – Limit
2. If the PK measured levels comply with average limit, then the average level were deemed to comply with average limit.
- 3 In restricted bands of operation, The spurious emissions below the permissible value more than 20dB
- 4.The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.
- 5.Test Mode is MIMO Mode.

Test mode	Polar (H/V)	Frequency (MHz)	Reading Level (dBuV/m)	Correct Factor (dB)	Measurement (dBuV/m)	Limits (dBuV/m)		Result
					PK	PK	AV	
802.11ax20	Low Channel 2412MHz							
	H	2390.00	72.83	-25.43	47.40	74.00	54.00	PASS
	H	2400.00	74.76	-25.40	49.36	74.00	54.00	PASS
	V	2390.00	73.58	-25.43	48.15	74.00	54.00	PASS
	V	2400.00	75.25	-25.40	49.85	74.00	54.00	PASS
	High Channel 2462MHz							
	H	2483.50	73.00	-25.15	47.85	74.00	54.00	PASS
	H	2500.00	68.77	-25.10	43.67	74.00	54.00	PASS
	V	2483.50	72.60	-25.15	47.45	74.00	54.00	PASS
	V	2500.00	67.97	-25.10	42.87	74.00	54.00	PASS
802.11ax40	Low Channel 2422MHz							
	H	2390.00	72.16	-25.43	46.73	74.00	54.00	PASS
	H	2400.00	74.03	-25.40	48.63	74.00	54.00	PASS
	V	2390.00	72.57	-25.43	47.14	74.00	54.00	PASS
	V	2400.00	74.25	-25.40	48.85	74.00	54.00	PASS
	High Channel 2452MHz							
	H	2483.50	71.29	-25.15	46.14	74.00	54.00	PASS
	H	2500.00	68.91	-25.10	43.81	74.00	54.00	PASS
	V	2483.50	72.02	-25.15	46.87	74.00	54.00	PASS
	V	2500.00	67.48	-25.10	42.38	74.00	54.00	PASS
Remark: 1.Measurement = Reading Level + Correct Factor, Correct Factor = Antenna Factor + Cable Loss – Pre-amplifier, Over= Measurement – Limit 2. If the PK measured levels comply with average limit, then the average level were deemed to comply with average limit. 3 In restricted bands of operation, The spurious emissions below the permissible value more than 20dB 4.The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported. 5.Test Mode is MIMO Mode.								



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

Test mode	Polar (H/V)	Frequency (MHz)	Reading Level (dBuV/m)	Correct Factor (dB)	Measurement (dBuV/m)	Limits (dBuV/m)		Result
					PK	PK	AV	
802.11b	Low Channel 2412MHz							
	H	2390.00	72.99	-25.43	47.56	74.00	54.00	PASS
	H	2400.00	74.60	-25.40	49.20	74.00	54.00	PASS
	V	2390.00	73.32	-25.43	47.89	74.00	54.00	PASS
	V	2400.00	73.36	-25.40	47.96	74.00	54.00	PASS
	High Channel 2462MHz							
	H	2483.50	71.35	-25.15	46.20	74.00	54.00	PASS
	H	2500.00	69.58	-25.10	44.48	74.00	54.00	PASS
	V	2483.50	71.33	-25.15	46.18	74.00	54.00	PASS
	V	2500.00	67.15	-25.10	42.05	74.00	54.00	PASS
802.11g	Low Channel 2412MHz							
	H	2390.00	73.24	-25.43	47.81	74.00	54.00	PASS
	H	2400.00	75.17	-25.40	49.77	74.00	54.00	PASS
	V	2390.00	72.62	-25.43	47.19	74.00	54.00	PASS
	V	2400.00	73.28	-25.40	47.88	74.00	54.00	PASS
	High Channel 2462MHz							
	H	2483.50	71.51	-25.15	46.36	74.00	54.00	PASS
	H	2500.00	69.06	-25.10	43.96	74.00	54.00	PASS
	V	2483.50	72.12	-25.15	46.97	74.00	54.00	PASS
	V	2500.00	67.73	-25.10	42.63	74.00	54.00	PASS
Remark: 1.Measurement = Reading Level + Correct Factor, Correct Factor = Antenna Factor + Cable Loss – Pre-amplifier, Over= Measurement – Limit 2. If the PK measured levels comply with average limit, then the average level were deemed to comply with average limit. 3 In restricted bands of operation, The spurious emissions below the permissible value more than 20dB 4.The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported. 5.The worst case is Antenna A.								

Test mode	Polar (H/V)	Frequency (MHz)	Reading Level (dBuV/m)	Correct Factor (dB)	Measure- ment (dBuV/m)	Limits (dBuV/m)		Result
					PK	PK	AV	
802.11n20	Low Channel 2412MHz							
	H	2390.00	73.09	-25.43	47.66	74.00	54.00	PASS
	H	2400.00	74.61	-25.40	49.21	74.00	54.00	PASS
	V	2390.00	73.81	-25.43	48.38	74.00	54.00	PASS
	V	2400.00	75.33	-25.40	49.93	74.00	54.00	PASS
	High Channel 2462MHz							
	H	2483.50	72.97	-25.15	47.82	74.00	54.00	PASS
	H	2500.00	69.21	-25.10	44.11	74.00	54.00	PASS
	V	2483.50	73.29	-25.15	48.14	74.00	54.00	PASS
	V	2500.00	68.94	-25.10	43.84	74.00	54.00	PASS
802.11n40	Low Channel 2422MHz							
	H	2390.00	72.48	-25.43	47.05	74.00	54.00	PASS
	H	2400.00	73.73	-25.40	48.33	74.00	54.00	PASS
	V	2390.00	71.56	-25.43	46.13	74.00	54.00	PASS
	V	2400.00	73.02	-25.40	47.62	74.00	54.00	PASS
	High Channel 2452MHz							
	H	2483.50	70.80	-25.15	45.65	74.00	54.00	PASS
	H	2500.00	67.77	-25.10	42.67	74.00	54.00	PASS
	V	2483.50	69.86	-25.15	44.71	74.00	54.00	PASS
	V	2500.00	65.65	-25.10	40.55	74.00	54.00	PASS
Remark: 1.Measurement = Reading Level + Correct Factor, Correct Factor = Antenna Factor + Cable Loss – Pre-amplifier, Over= Measurement – Limit 2. If the PK measured levels comply with average limit, then the average level were deemed to comply with average limit. 3 In restricted bands of operation, The spurious emissions below the permissible value more than 20dB 4.The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported. 5.Test Mode is MIMO Mode.								

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Test mode	Polar (H/V)	Frequency (MHz)	Reading Level (dBuV/m)	Correct Factor (dB)	Measurement (dBuV/m)	Limits (dBuV/m)		Result
					PK	PK	AV	
802.11ax20	Low Channel 2412MHz							
	H	2390.00	73.43	-25.43	48.00	74.00	54.00	PASS
	H	2400.00	75.63	-25.40	50.23	74.00	54.00	PASS
	V	2390.00	73.85	-25.43	48.42	74.00	54.00	PASS
	V	2400.00	75.08	-25.40	49.68	74.00	54.00	PASS
	High Channel 2462MHz							
	H	2483.50	71.76	-25.15	46.61	74.00	54.00	PASS
	H	2500.00	69.08	-25.10	43.98	74.00	54.00	PASS
	V	2483.50	71.88	-25.15	46.73	74.00	54.00	PASS
	V	2500.00	67.25	-25.10	42.15	74.00	54.00	PASS
802.11ax40	Low Channel 2422MHz							
	H	2390.00	72.49	-25.43	47.06	74.00	54.00	PASS
	H	2400.00	74.25	-25.40	48.85	74.00	54.00	PASS
	V	2390.00	73.05	-25.43	47.62	74.00	54.00	PASS
	V	2400.00	74.59	-25.40	49.19	74.00	54.00	PASS
	High Channel 2452MHz							
	H	2483.50	70.73	-25.15	45.58	74.00	54.00	PASS
	H	2500.00	67.71	-25.10	42.61	74.00	54.00	PASS
	V	2483.50	72.98	-25.15	47.83	74.00	54.00	PASS
	V	2500.00	69.05	-25.10	43.95	74.00	54.00	PASS
Remark: 1.Measurement = Reading Level + Correct Factor, Correct Factor = Antenna Factor + Cable Loss – Pre-amplifier, Over= Measurement – Limit 2. If the PK measured levels comply with average limit, then the average level were deemed to comply with average limit. 3 In restricted bands of operation, The spurious emissions below the permissible value more than 20dB 4.The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported. 5.Test Mode is MIMO Mode.								

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9. Antenna Requirement

9.1 Limit

15.203 requirement: For intentional device, according to 15.203: an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device.

9.2 Test Result

The EUT antenna is Internal antenna, fulfill the requirement of this section.

CO., LTD.

10. EUT Photographs

EUT Photo 1



NOTE: Appendix-Photographs Of EUT Constructional Details.



11. EUT Test Setup Photographs

Conducted Measurement Photo



Radiated Measurement Photos





STATEMENT

1. The equipment lists are traceable to the national reference standards.
2. The test report can not be partially copied unless prior written approval is issued from our lab.
3. The test report is invalid without the "special seal for inspection and testing".
4. The test report is invalid without the signature of the approver.
5. The test process and test result is only related to the Unit Under Test.
6. Sample information is provided by the client and the laboratory is not responsible for its authenticity.
7. The quality system of our laboratory is in accordance with ISO/IEC17025.
8. If there is any objection to this test report, the client should inform issuing laboratory within 15 days from the date of receiving test report.

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***** END *****

