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FCC Part 15B TEST REPORT

Report No.: STS2008285E01

Issued for

Innowi Inc.

3240 Scott Blvd, Santa Clara, CA - 95054

Product Name:	CB_UWA6N4C_47
Brand Name:	Innowi
Model Name:	mBadge
Series Model:	N/A
FCC ID:	2AO2Y-IWCHTB101
Test Standard:	FCC 47 CFR Part 15: Subpart B

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TEST RESULT CERTIFICATION

Applicant's Name: Innowi Inc.
Address.....: 3240 Scott Blvd, Santa Clara, CA - 95054
Manufacture's Name: Innowi Inc.
Address.....: 3240 Scott Blvd, Santa Clara, CA - 95054

Product Description:
Product Name: CB_UWA6N4C_47
Brand Name.....: Innowi
Model Name: mBadge
Series Model: N/A

Standards.....: FCC 47 CFR Part 15: Subpart B
Test Procedure.....: ANSI C63.4-2014

This device described above has been tested by STS, and the test results show that the equipment under test (EUT) is in compliance with the FCC requirements. And it is applicable only to the tested sample identified in the report.

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Date of Test.....:
Date of Performance of Tests: 24 Aug. 2020~30 Aug. 2020
Date of Issue.....: 31 Aug. 2020
Test Result: Pass

Compiled by : Mickey Deng
(Mickey Deng)

Technical Manager : Barry Li
(Barry Li)

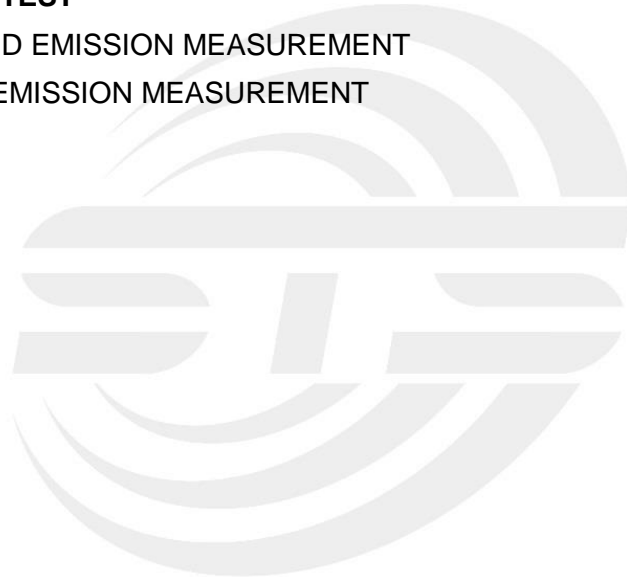
Authorized Signatory : Vita Li
(Vita Li)





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Revision History

Rev.	Issue Date	Report No.	Effect Page	Contents
00	31 Aug. 2020	STS2008285E01	ALL	Initial Issue





1. SUMMARY OF THE TEST RESULTS

Test procedures according to the technical standards:

EMISSION			
Standard	Item	Result	Remarks
FCC 47 CFR Part 15 Subpart B	Conducted Emission	PASS	Meet Class B limit
	Radiated Emission	PASS	Meet Class B limit

NOTE:

(1) "N/A" denotes test is not applicable in this Test Report

1.1 TEST FACTORY

Company Name:	SHENZHEN STS TEST SERVICES CO.,LTD.
Address:	A 1/F, Building B, Zhuoke Science Park, No.190 Chongqing Road, HepingShequ, Fuyong Sub-District, Bao'an District, Shenzhen, Guang Dong, China
Telephone:	+86-755 3688 6288
Fax:	+86-755 3688 6277
Registration No.:	FCC test Firm Registration Number: 625569
	IC test Firm Registration Number: 12108A
	A2LA Certificate No.: 4338.01

1.2 MEASUREMENT UNCERTAINTY

The reported uncertainty of measurement $y \pm U$, where expanded uncertainty U is based on a standard uncertainty multiplied by a coverage factor of $k=2$, providing a level of confidence of approximately 95 %.

No.	Item	Uncertainty
1	Conducted Emission (9KHz-150KHz)	± 3.37 dB
2	Conducted Emission (150KHz-30MHz)	± 3.83 dB
3	All emissions,radiated(<1G) 30MHz-1000MHz	± 5.6 dB
4	All emissions,radiated(>1G) 1GHz-6GHz	± 5.5 dB
5	All emissions,radiated(>1G) 6GHz-26GHz	± 5.8 dB



2. GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF THE EUT

Product Name	CB_UWA6N4C_47	
Brand Name	Innowi	
Model Name	mBadge	
Series Model	N/A	
Model Difference	N/A	
Test Sample Number	2008174-3X	
Frequency Bands	WLAN	2.4GHz IEEE 802 11b/g/n(HT20):2412~2462MHz 2.4GHz IEEE 802 11n(HT40):2422~2452MHz 5GHz IEEE 802.11a/n/ac(20MHz): 5180~5825MHz 5GHz IEEE 802.11n/ac(40MHz): 5190~5795MHz 5GHz IEEE 802.11ac(80MHz): 5210~5775MHz
	Bluetooth	2402~2480MHz
Modulation Mode	WLAN	2.4GHz: 802.11b(DSSS):CCK,DQPSK,DBPSK 802.11g(OFDM):BPSK,QPSK,16-QAM,64-QAM 802.11n(OFDM):BPSK,QPSK,16-QAM,64-QAM 5GHz: 802.11a(OFDM): BPSK,QPSK,16-QAM,64-QAM 802.11n(OFDM): BPSK,QPSK,16-QAM,64-QAM 802.11ac(OFDM): BPSK,QPSK,16-QAM,64-QAM,256-QAM
	Bluetooth	BT(1Mbps): GFSK BT EDR(2Mbps): $\pi/4$ -DQPSK BT EDR(3Mbps): 8DPSK
	BLE	GFSK
Adapter	Input: AC100-240V, 50-60Hz, 0.35A Output: DC 5V, 2A	
Battery	Rated Voltage: 3.85V Charge Limit: 4.4V Capacity: 3930mAh	
Hardware Version Number	R1.0	



Software Version Number	N/A
-------------------------	-----

Note: For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.





2.2 DESCRIPTION OF THE TEST MODES

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 possibly have effect on EMI emission level. Each of these EUT operation mode(s) or test configuration mode(s) mentioned above was evaluated respectively.

Pretest Mode	Description
Mode 1	PC + USB Transmission + SD Card
Mode 2	Adapter + Back camera on + BT Link + WLAN Link(2.4G)
Mode 3	Adapter + Back camera on + BT Link + WLAN Link(5G)

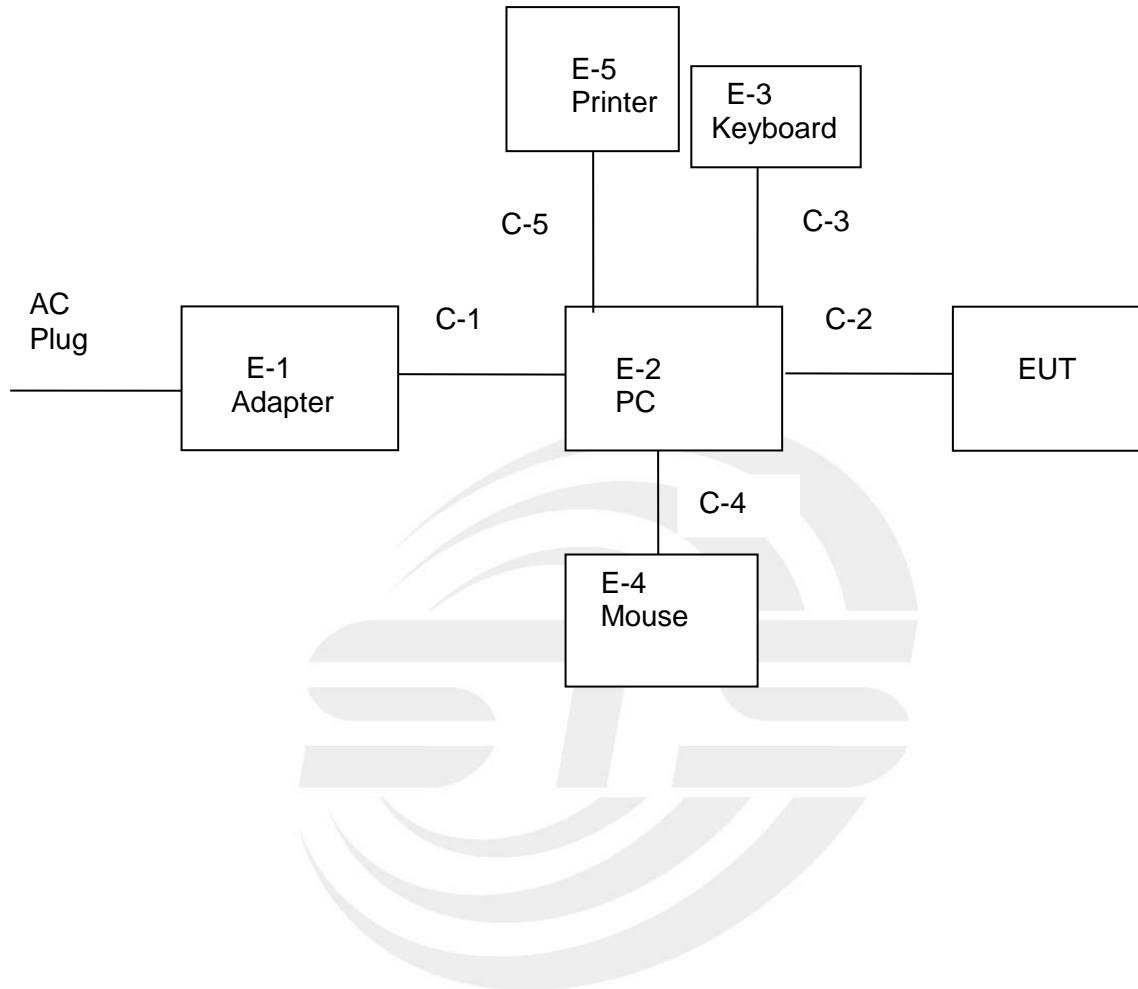
For Conducted Test	
Final Test Mode	Description
Mode 1	PC + USB Transmission + SD Card

For Radiated Test	
Final Test Mode	Description
Mode 1	PC + USB Transmission + SD Card

Note:

1. For conducted emission test, test mode 1 was the worst case and only this mode was presented in this report.
2. For radiated emission test, test mode 1 was the worst case and only this mode was presented in this report.
3. We have be tested for all avaiable U.S. voltage and frequencies (For 120V, 50/60Hz) for which the device is capable of operation.

2.3 BLOCK DIGRAM SHOWING THE CONFIGURATION OF THE SYSTEM TESTED



2.4 DESCRIPTION OF THE SUPPORT UNITS

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

Accessories equipment

Item	Equipment	Mfr/Brand	Model/Type No.
E-1	Adapter	N/A	JHD-AP013U-050200BB-B

Auxiliary equipment

Item	Equipment	Mfr/Brand	Model/Type No.
E-1	Adapter	HP	HSTNN-CA15
E-2	PC	HP	500-320cx
E-3	Keyboard	Acer	SK-9624
E-4	Mouse	HP	MODGUO
E-5	Printer	LENOVO	LJ2400L

Cable

Item	Type	Shielded Type	Ferrite Core	Length
C-1	Power Cord	Shielded	NO	150cm
C-2	USB Cable (FTP)	Shielded	NO	100cm
C-3	USB Cable (FTP)	Shielded	NO	180cm
C-4	USB Cable (FTP)	Shielded	NO	180cm
C-5	USB Cable (FTP)	Shielded	NO	120cm

Note:

- (1) For detachable type I/O cable should be specified the length in cm in 『Length』 column.
- (2) “YES” is means “with core”; “NO” is means “without core”.
- (3) PC is the FCC ID is approved.



2.5 EQUIPMENTS LIST FOR ALL TEST ITEMS

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

Radiation Test equipment

Kind of Equipment	Manufacturer	Type No.	Serial No.	Last Calibration	Calibrated Until
EMI Test Receiver	R&S	ESCI	101427	2019.10.09	2020.10.08
Bi-log Antenna	TESEQ	CBL6111D	34678	2017.11.02	2020.11.01
Horn Antenna	SCHWARZB ECK	BBHA 9120D	9120D-1343	2018.10.19	2021.10.18
Pre-amplifier(1G-26.5G)	Agilent	8449B	3008A02383	2019.10.11	2020.10.10
Pre-amplifier(0.1M-3 GHz)	EM	EM330	060665	2019.10.09	2020.10.08
Spectrum Analyzer	Agilent	N9020A	MY49100060	2019.10.09	2020.10.08
RE Cable (9K-1G)	N/A	R01	N/A	2019.10.12	2020.10.11
RE Cable (1G-26G)	N/A	R02	N/A	2019.10.12	2020.10.11
Temperature & Humidity	Mieo	HH660	N/A	2019.10.12	2020.10.11
Horn Antenna(18-40GHz)	A-INFO	LB-180400-KF	J211020657	2018.03.11	2021.03.10
Testing Software	EZ-EMC(Ver.STSLAB-03A1 RE)				

Conduction Test equipment

Kind of Equipment	Manufacturer	Type No.	Serial No.	Last Calibration	Calibrated Until
EMI Test Receiver	R&S	ESCI	101427	2019.10.09	2020.10.08
LISN	R&S	ENV216	101242	2019.10.09	2020.10.08
LISN	ETS	3810/2NM	00023625	2019.10.09	2020.10.08
Absorbing Clamp	R&S	MDS-21	100668	2019.10.09	2020.10.08
CE Cable	N/A	C01	N/A	2019.10.12	2020.10.11
Temperature & Humidity	Mieo	HH660	N/A	2019.10.12	2020.10.11
Testing Software	EZ-EMC(Ver.STSLAB-03A1 CE)				



3. EMC EMISSION TEST

3.1 CONDUCTED EMISSION MEASUREMENT

3.1.1 POWER LINE CONDUCTED EMISSION Limits

FREQUENCY (MHz)	<input type="checkbox"/> Class A (dB μ V)		<input checked="" type="checkbox"/> Class B (dB μ V)	
	Quasi-peak	Average	Quasi-peak	Average
0.15 ~ 0.5	79.00	66.00	66 - 56 *	56 - 46 *
0.5 ~ 5	73.00	60.00	56.00	46.00
5 ~ 30	73.00	60.00	60.00	50.00

Note:

- (1) The tighter limit applies at the band edges.
- (2) The limit of " * " marked band means the limitation decreases linearly with the logarithm of the frequency in the range.

The following table is the setting of the receiver

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

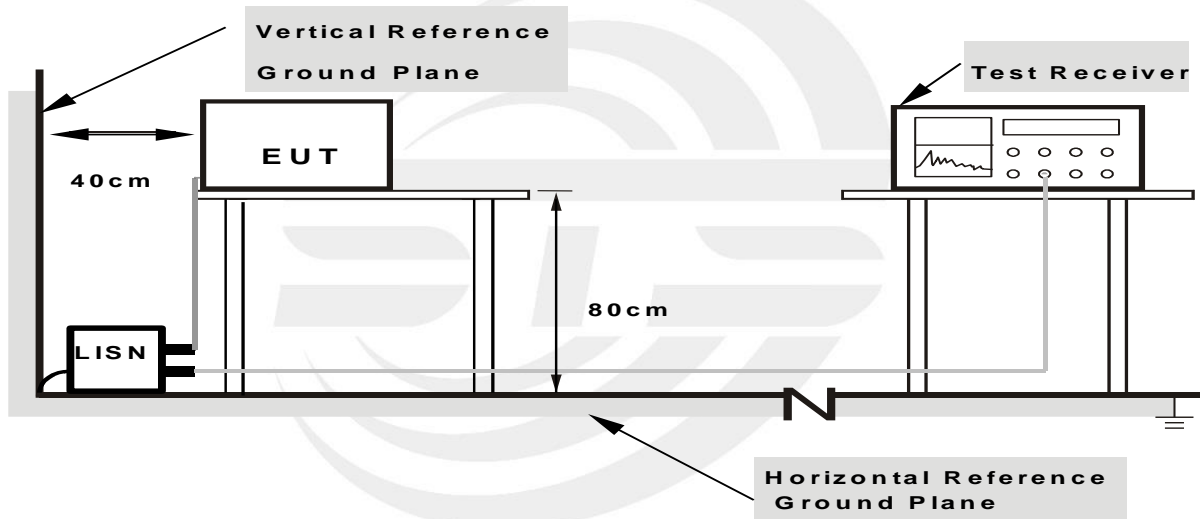
3.1.2 TEST PROCEDURE

- a. The EUT was placed 0.4 meters from the conducting wall of the shielded room with EUT being connected to the power mains through a line impedance stabilization network (LISN). Other support units were connected to the power mains through another LISN. The two LISNs provide 50 Ohm/ 50uH of coupling impedance for the measuring instrument.
- b. Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.
- c. I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
- d. For the actual test configuration, please refer to the related Item –EUT Test Photos.

3.1.3 DEVIATION FROM TEST STANDARD

No deviation

3.1.4 TEST SETUP



- Note: 1.Support units were connected to second LISN.**
2.Both of LISNs (AMN) are 80 cm from EUT and at least 80 from other units and other metal planes

3.1.5 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.



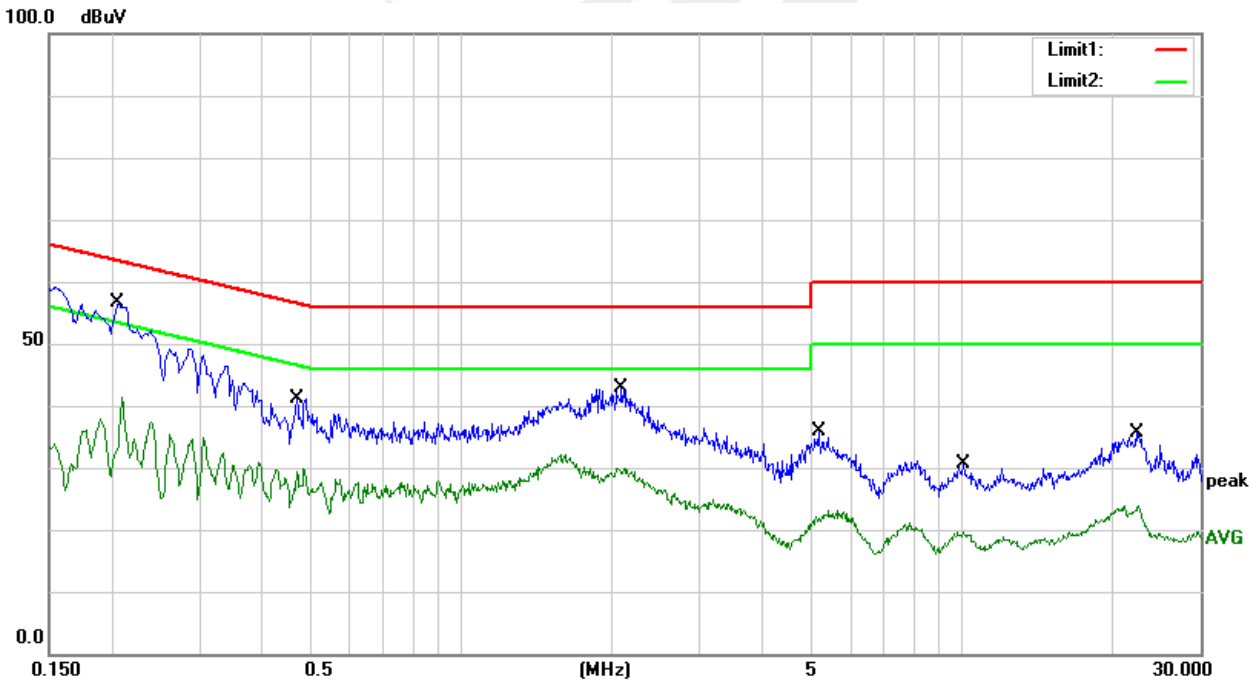
3.1.6 TEST RESULTS

Temperature:	26.9°C	Relative Humidity:	69%
Phase:	L	Test Mode:	Mode 1
Test Voltage:	AC 120V/60Hz	Test Date:	2020.08.27

No.	Frequency (MHz)	Reading (dBUV)	Correct Factor (dB)	Result (dBUV)	Limit (dBUV)	Margin (dB)	Detector
1	0.2061	36.18	20.35	56.53	63.36	-6.83	QP
2	0.2061	21.08	20.35	41.43	53.36	-11.93	AVG
3	0.4700	20.66	20.45	41.11	56.51	-15.40	QP
4	0.4700	9.39	20.45	29.84	46.51	-16.67	AVG
5	2.0940	22.68	20.14	42.82	56.00	-13.18	QP
6	2.0940	9.86	20.14	30.00	46.00	-16.00	AVG
7	5.1900	15.90	20.01	35.91	60.00	-24.09	QP
8	5.1900	3.02	20.01	23.03	50.00	-26.97	AVG
9	10.0740	10.82	19.85	30.67	60.00	-29.33	QP
10	10.0740	-0.33	19.85	19.52	50.00	-30.48	AVG
11	22.4020	14.87	20.65	35.52	60.00	-24.48	QP
12	22.4020	3.20	20.65	23.85	50.00	-26.15	AVG

Remark:

1. All readings are Quasi-Peak and Average values
2. Margin = Result (Result = Reading + Factor) – Limit
3. Factor = Insertion loss + Cable loss





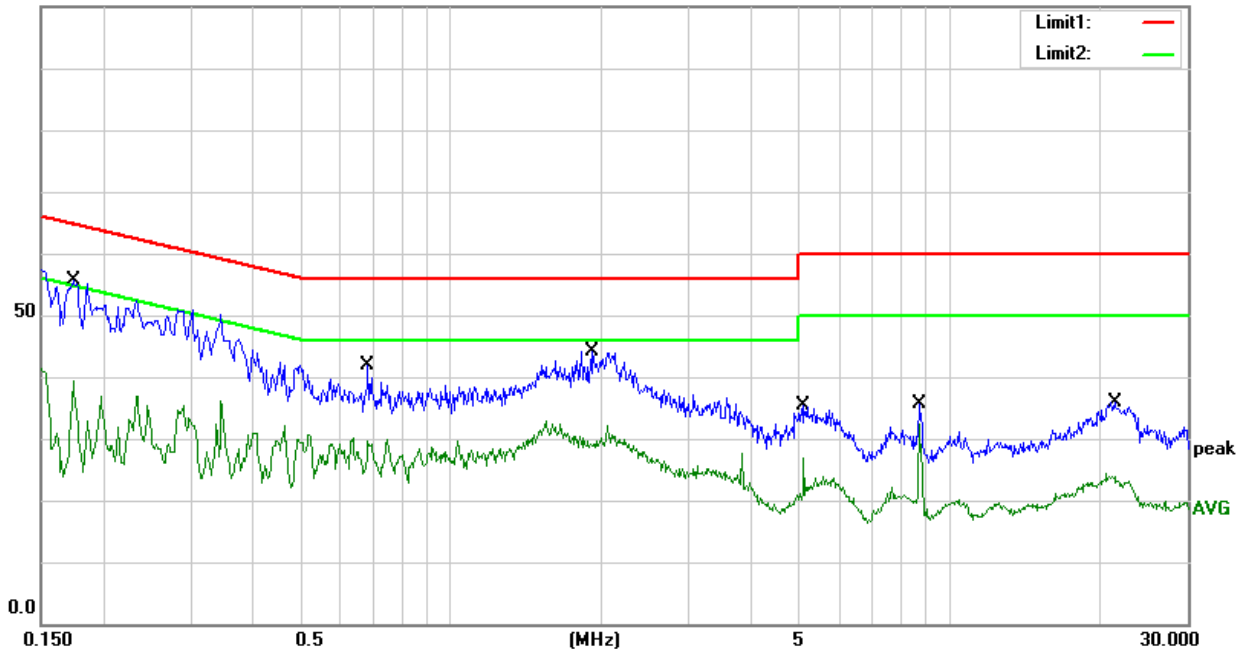
Temperature:	26.9°C	Relative Humidity:	69%
Phase:	N	Test Mode:	Mode 1
Test Voltage:	AC 120V/60Hz	Test Date:	2020.08.27

No.	Frequency (MHz)	Reading (dBUV)	Correct Factor (dB)	Result (dBUV)	Limit (dBUV)	Margin (dB)	Detector
1	0.1740	35.40	20.26	55.66	64.77	-9.11	QP
2	0.1740	19.15	20.26	39.41	54.77	-15.36	AVG
3	0.6820	21.61	20.29	41.90	56.00	-14.10	QP
4	0.6820	9.59	20.29	29.88	46.00	-16.12	AVG
5	1.9260	24.09	20.15	44.24	56.00	-11.76	QP
6	1.9260	10.15	20.15	30.30	46.00	-15.70	AVG
7	5.1060	15.28	20.01	35.29	60.00	-24.71	QP
8	5.1060	6.81	20.01	26.82	50.00	-23.18	AVG
9	8.6980	15.79	19.88	35.67	60.00	-24.33	QP
10	8.6980	12.56	19.88	32.44	50.00	-17.56	AVG
11	21.4500	15.23	20.65	35.88	60.00	-24.12	QP
12	21.4500	3.33	20.65	23.98	50.00	-26.02	AVG

Remark:

1. All readings are Quasi-Peak and Average values
2. Margin = Result (Result = Reading + Factor) – Limit
3. Factor = Insertion loss + Cable loss

100.0 dBUV





3.2 RADIATED EMISSION MEASUREMENT

3.2.1 Radiated Emission Limits

Below 1 GHz

Measurement Method and Applied Limits:

ANSI C63.4:

Frequency (MHz)	<input type="checkbox"/> Class A		<input checked="" type="checkbox"/> Class B
	Field strength (dBuV/m) (at 10m)	Field strength (dBuV/m) (at 3m)	Field strength (dBuV/m) (at 3m)
30 ~ 88	39	49	40
88 ~ 216	43.5	53.5	43.5
216 ~ 960	46	56	46
Above 960	49.5	59.5	54

Above 1 GHz

Measurement Method and Applied Limits:

ANSI C63.4:

Frequency (MHz)	<input type="checkbox"/> Class A				<input checked="" type="checkbox"/> Class B	
	(dBuV/m) (at 3m)		(dBuV/m) (at 10m)		(dBuV/m) (at 3m)	
	Peak	Average	Peak	Average	Peak	Average
Above 1000	80	60	69.5	49.5	74	54

Frequency Range of Radiated Disturbance Measurement

Highest frequency generated or Upper frequency of measurement used in the device or on which the device operates or tunes (MHz)	Range (MHz)
Below 1.705	30
1.705 ~ 108	1000
108 ~ 500	2000
500 ~ 1000	5000
Above 1000	5th harmonic of the highest frequency or 40 GHz, whichever is lower

Note:

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



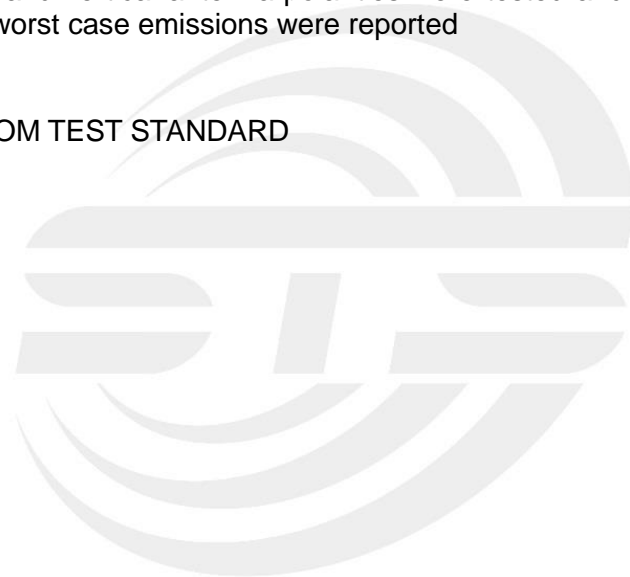
3.2.2 TEST PROCEDURE

- a. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter semi-anechoic chamber room. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. EUT as the center to the edge of the auxiliary device, the distance from the maximum edge to the center of the antenna is 3 meter.
- c. The height of antenna is varied from 1 meter to 4 meter 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 meter and the rotatable table was turned from 0 degrees to 360 degree to find the maximum reading.
- e. The test-receiver system was set to quasi-peak detect function and specified bandwidth with maximum hold mode when the test frequency is below 1GHz.
- f. For the actual test configuration, please refer to the related Item –EUT Test Photos.

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

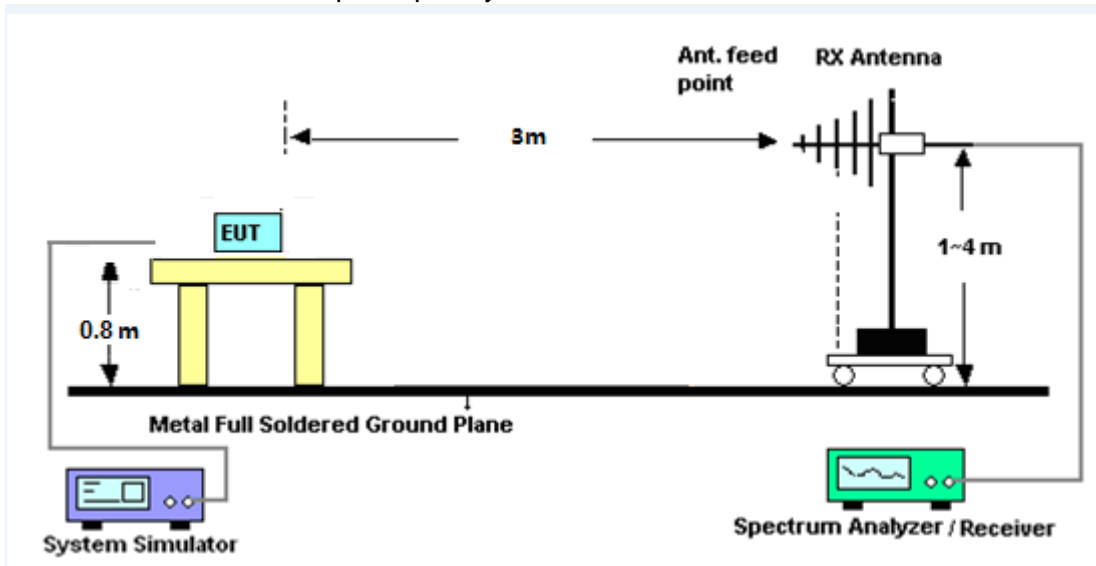
3.2.3 DEVIATION FROM TEST STANDARD

No deviation

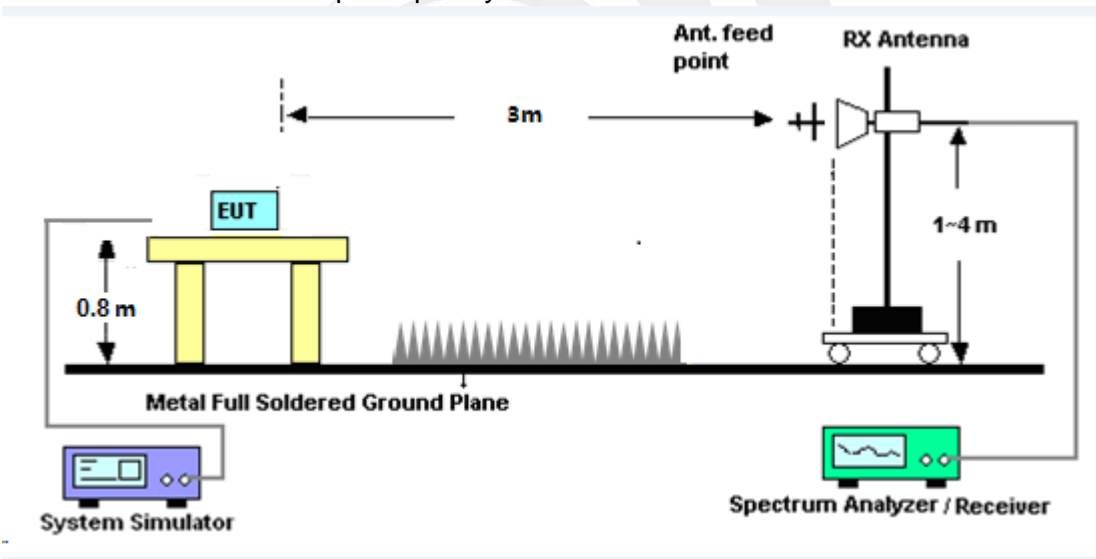


3.2.4 TEST SETUP

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



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



3.2.5 EUT OPERATING CONDITIONS

The EUT tested system was configured as the statements of 2.4 described unless otherwise a special operating condition is specified in the following during the testing.



3.2.6 TEST RESULTS

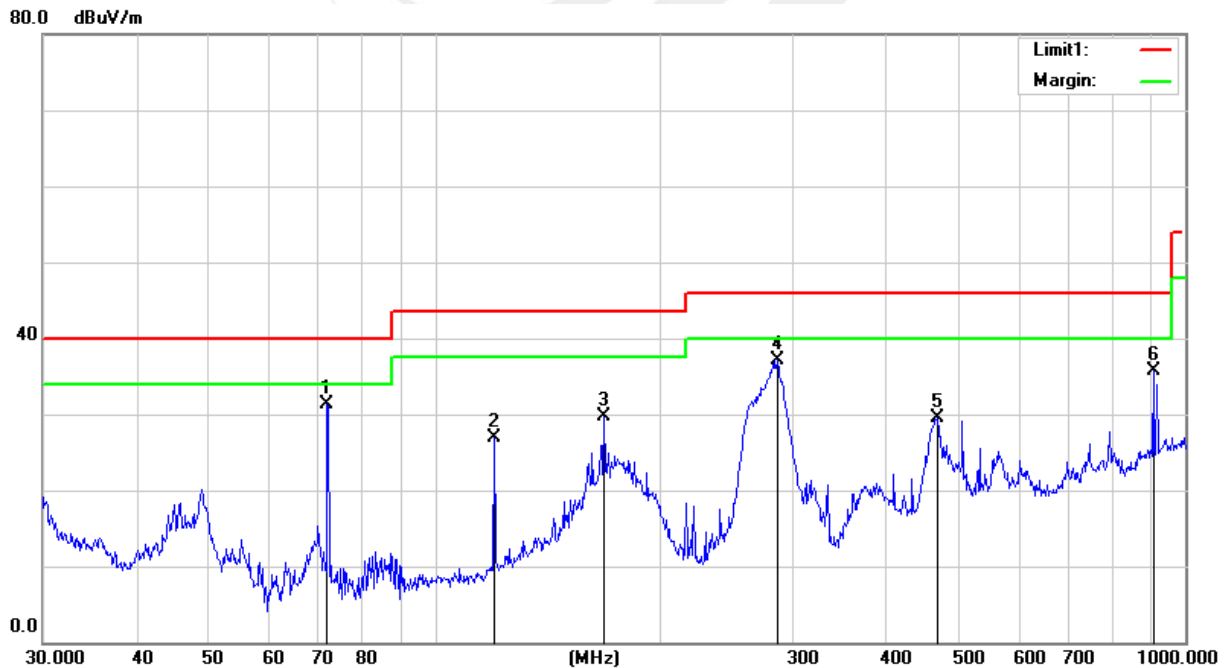
30MHz - 1000MHz

Temperature:	26.7°C	Relative Humidity:	57%
Phase:	Horizontal	Test Mode:	Mode 1
Test Voltage:	AC 120V/60Hz	Test Date:	2020.08.27

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	71.8320	56.80	-25.49	31.31	40.00	-8.69	QP
2	119.8555	45.19	-18.26	26.93	43.50	-16.57	QP
3	167.8241	49.33	-19.61	29.72	43.50	-13.78	QP
4	285.9778	53.49	-16.34	37.15	46.00	-8.85	QP
5	467.2348	40.84	-11.43	29.41	46.00	-16.59	QP
6	906.4823	38.86	-3.19	35.67	46.00	-10.33	QP

Remark:

1. All readings are Quasi-Peak
2. Margin = Result (Result = Reading + Factor) – Limit
3. Factor = Cable Loss + Antenna Factor - Amplifier Gain





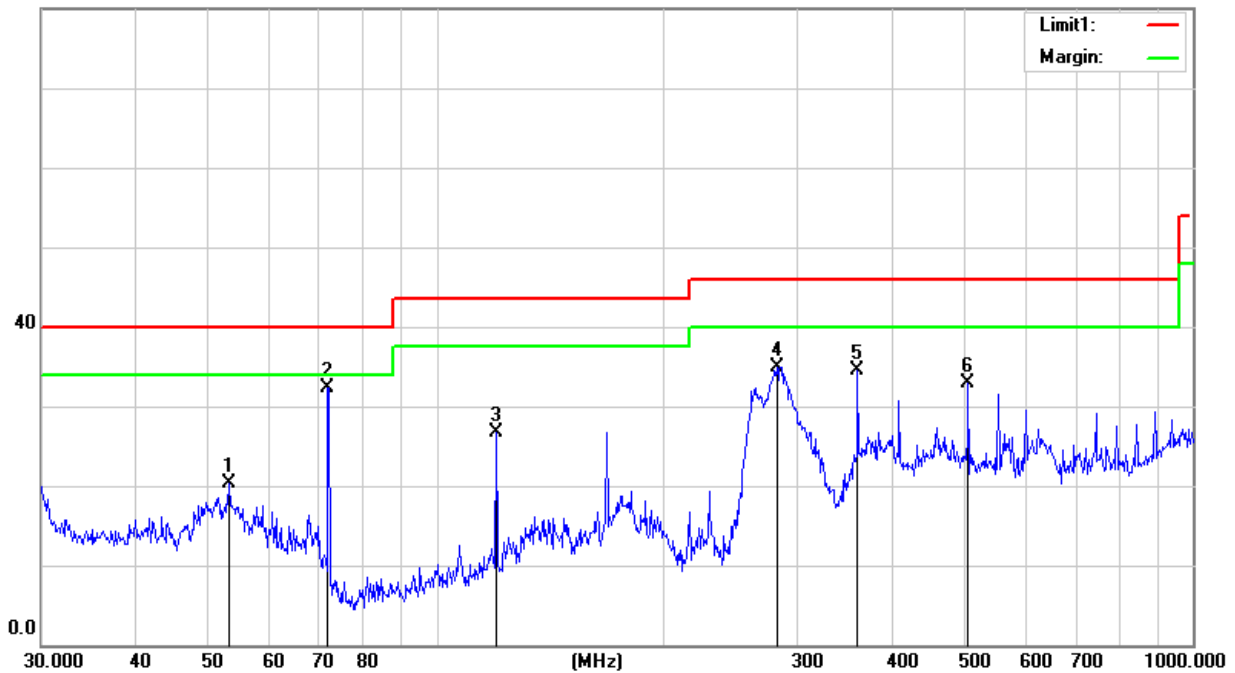
Temperature:	26.7°C	Relative Humidity:	57%
Phase:	Vertical	Test Mode:	Mode 1
Test Voltage:	AC 120V/60Hz	Test Date:	2020.08.27

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	53.1313	43.28	-22.98	20.30	40.00	-19.70	QP
2	71.8320	57.81	-25.49	32.32	40.00	-7.68	QP
3	119.8555	45.04	-18.26	26.78	43.50	-16.72	QP
4	281.9945	50.94	-15.95	34.99	46.00	-11.01	QP
5	360.4476	48.64	-14.20	34.44	46.00	-11.56	QP
6	504.7062	43.54	-10.56	32.98	46.00	-13.02	QP

Remark:

1. All readings are Quasi-Peak
2. Margin = Result (Result = Reading + Factor) – Limit
3. Factor = Cable Loss + Antenna Factor - Amplifier Gain

80.0 dBuV/m





(1 GHz - 18GHz)

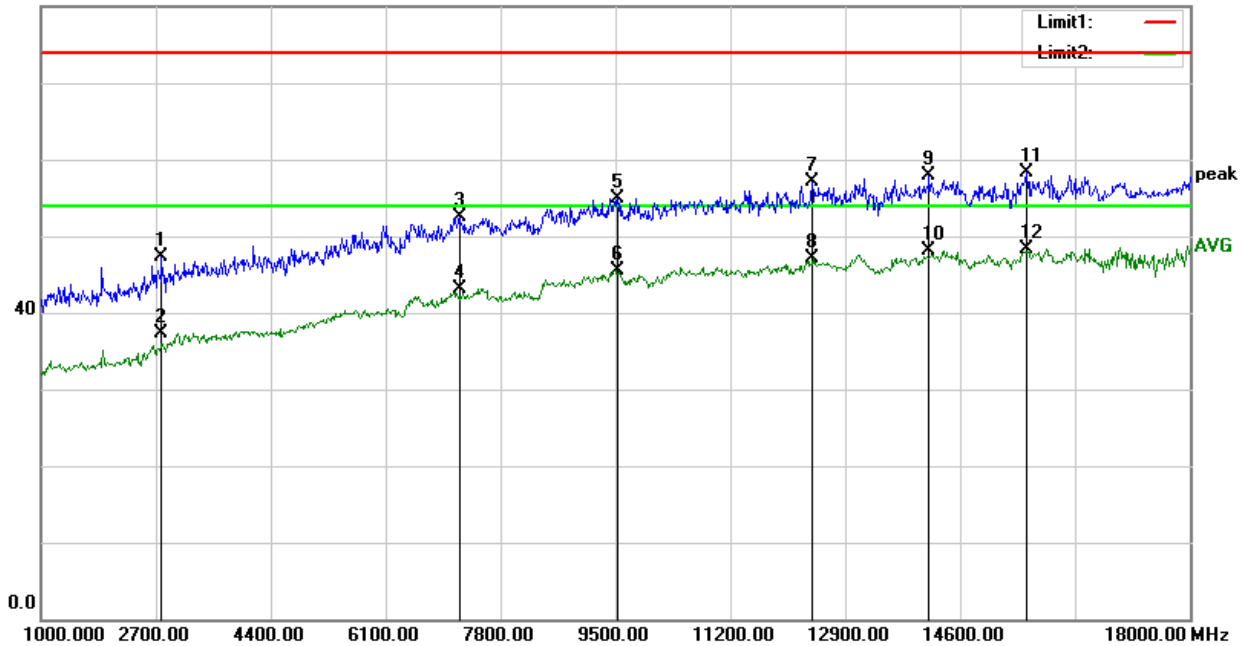
Temperature:	26.7°C	Relative Humidity:	57%
Phase:	Horizontal	Test Mode:	Mode 1
Test Voltage:	AC 120V/60Hz	Test Date:	2020.08.27

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	2785.000	46.21	1.17	47.38	74.00	-26.62	Peak
2	2785.000	36.15	1.17	37.32	54.00	-16.68	AVG
3	7188.000	41.37	11.22	52.59	74.00	-21.41	Peak
4	7188.000	31.95	11.22	43.17	54.00	-10.83	AVG
5	9534.000	41.26	13.66	54.92	74.00	-19.08	Peak
6	9534.000	31.90	13.66	45.56	54.00	-8.44	AVG
7	12407.000	41.63	15.40	57.03	74.00	-16.97	Peak
8	12407.000	31.64	15.40	47.04	54.00	-6.96	AVG
9	14141.000	40.37	17.56	57.93	74.00	-16.07	Peak
10	14141.000	30.50	17.56	48.06	54.00	-5.94	AVG
11	15586.000	41.17	17.08	58.25	74.00	-15.75	Peak
12	15586.000	31.20	17.08	48.28	54.00	-5.72	AVG

Remark:

1. All readings are Peak and Average values
2. Margin = Result (Result = Reading + Factor) - Limit
3. Factor = Cable Loss + Antenna Factor - Amplifier Gain

80.0 dBuV/m





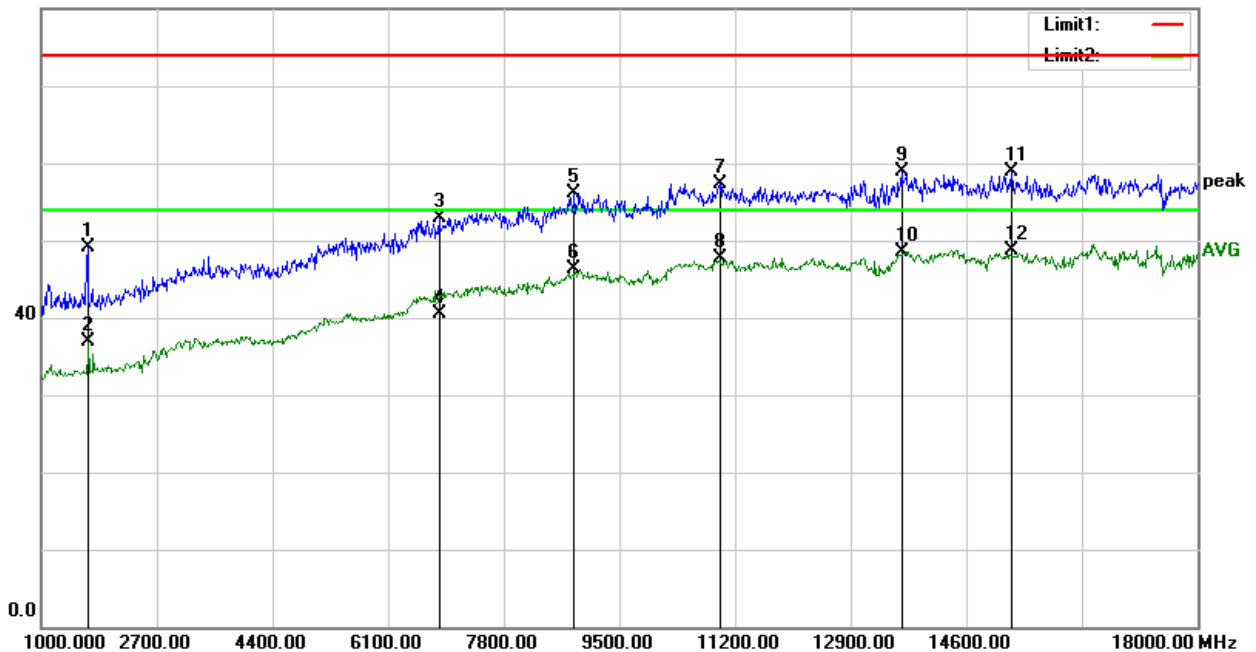
Temperature:	26.7°C	Relative Humidity:	57%
Phase:	Vertical	Test Mode:	Mode 1
Test Voltage:	AC 120V/60Hz	Test Date:	2020.08.27

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	1680.000	51.27	-2.19	49.08	74.00	-24.92	Peak
2	1680.000	39.14	-2.19	36.95	54.00	-17.05	AVG
3	6848.000	42.50	10.48	52.98	74.00	-21.02	Peak
4	6848.000	30.05	10.48	40.53	54.00	-13.47	AVG
5	8837.000	42.81	13.38	56.19	74.00	-17.81	Peak
6	8837.000	32.87	13.38	46.25	54.00	-7.75	AVG
7	10979.000	43.05	14.23	57.28	74.00	-16.72	Peak
8	10979.000	33.45	14.23	47.68	54.00	-6.32	AVG
9	13648.000	42.87	16.09	58.96	74.00	-15.04	Peak
10	13648.000	32.47	16.09	48.56	54.00	-5.44	AVG
11	15263.000	41.35	17.61	58.96	74.00	-15.04	Peak
12	15263.000	31.03	17.61	48.64	54.00	-5.36	AVG

Remark:

1. All readings are Peak and Average values
2. Margin = Result (Result = Reading + Factor) - Limit
3. Factor = Cable Loss + Antenna Factor - Amplifier Gain

80.0 dBuV/m





(18 GHz - 25GHz)

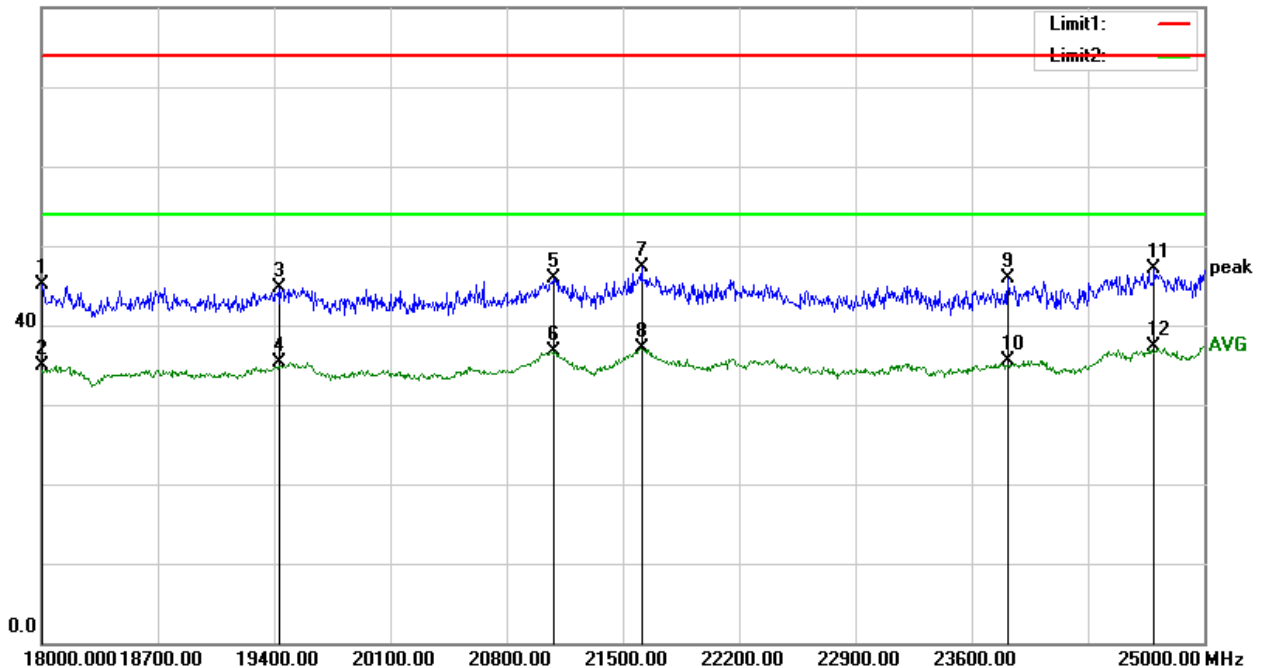
Temperature:	26.7°C	Relative Humidity:	57%
Phase:	Horizontal	Test Mode:	Mode 1
Test Voltage:	AC 120V/60Hz	Test Date:	2020.08.27

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	18000.000	20.49	24.57	45.06	74.00	-28.94	Peak
2	18000.000	10.31	24.57	34.88	54.00	-19.12	AVG
3	19428.000	19.42	25.33	44.75	74.00	-29.25	Peak
4	19428.000	9.93	25.33	35.26	54.00	-18.74	AVG
5	21080.000	21.06	24.88	45.94	74.00	-28.06	Peak
6	21080.000	11.89	24.88	36.77	54.00	-17.23	AVG
7	21612.000	22.66	24.69	47.35	74.00	-26.65	Peak
8	21612.000	12.36	24.69	37.05	54.00	-16.95	AVG
9	23817.000	21.17	24.79	45.96	74.00	-28.04	Peak
10	23817.000	10.71	24.79	35.50	54.00	-18.50	AVG
11	24699.000	22.22	24.96	47.18	74.00	-26.82	Peak
12	24699.000	12.26	24.96	37.22	54.00	-16.78	AVG

Remark:

1. All readings are Peak and Average values
2. Margin = Result (Result =Reading + Factor)–Limit
3. Factor= Cable Loss +Antenna Factor-Amplifier Gain

80.0 dBuV/m





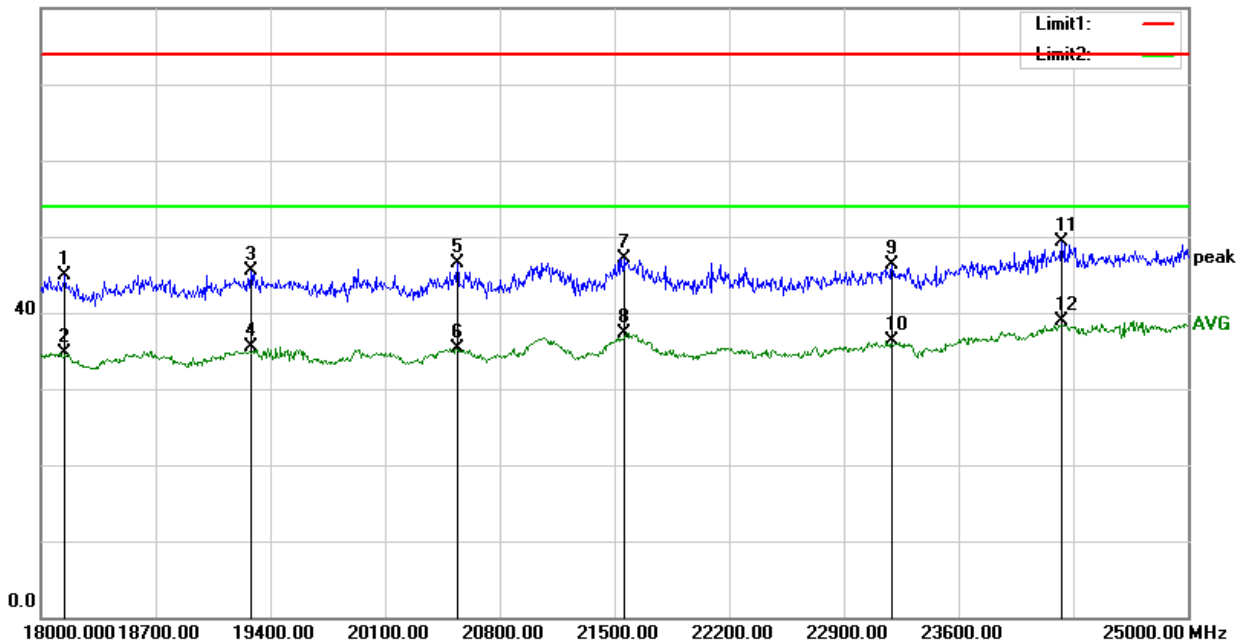
Temperature:	26.7°C	Relative Humidity:	57%
Phase:	Vertical	Test Mode:	Mode 1
Test Voltage:	AC 120V/60Hz	Test Date:	2020.08.27

No.	Frequency (MHz)	Reading (dBUV)	Correct Factor (dB)	Result (dBUV)	Limit (dBUV)	Margin (dB)	Remark
1	18147.000	20.39	24.54	44.93	74.00	-29.07	Peak
2	18147.000	10.11	24.54	34.65	54.00	-19.35	AVG
3	19281.000	20.28	25.16	45.44	74.00	-28.56	Peak
4	19281.000	10.30	25.16	35.46	54.00	-18.54	AVG
5	20541.000	21.48	24.95	46.43	74.00	-27.57	Peak
6	20541.000	10.41	24.95	35.36	54.00	-18.64	AVG
7	21563.000	22.36	24.72	47.08	74.00	-26.92	Peak
8	21563.000	12.58	24.72	37.30	54.00	-16.70	AVG
9	23194.000	21.65	24.62	46.27	74.00	-27.73	Peak
10	23194.000	11.72	24.62	36.34	54.00	-17.66	AVG
11	24230.000	24.47	24.90	49.37	74.00	-24.63	Peak
12	24230.000	14.05	24.90	38.95	54.00	-15.05	AVG

Remark:

1. All readings are Peak and Average values
2. Margin = Result (Result = Reading + Factor)–Limit
3. Factor= Cable Loss +Antenna Factor–Amplifier Gain

80.0 dBUV/m



Notes:

1. Measuring frequencies from 1 GHz to 25GHz.
2. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode of the emission shown in Actual FS column.

END OF THE REPORT