



## FCC Part 15B TEST REPORT

Report No.: STS2009211E01

Issued for

K-MOBILE TECHNOLOGY CO., LTD

NO 1109-1110, C1 Block, bantian international center, NO 5  
huancheng south road, longgang district, Shenzhen, China.

<b>Product Name:</b>	Smart Poc Radio
<b>Brand Name:</b>	Estalky
<b>Model Name:</b>	E550
<b>Series Model:</b>	N/A
<b>FCC ID:</b>	2AVAF-E550B
<b>Test Standard:</b>	FCC 47 CFR Part 15: Subpart B

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TEST RESULT CERTIFICATION

Applicant's Name .....: K-MOBILE TECHNOLOGY CO., LTD
Address.....: NO 1109-1110, C1 Block, bantian international center, NO 5 huancheng south road, longgang district, Shenzhen, China.

Manufacture's Name .....: K-MOBILE TECHNOLOGY CO., LTD
Address.....: NO 1109-1110, C1 Block, bantian international center, NO 5 huancheng south road, longgang district, Shenzhen, China.

Product Description .....:
Product Name .....: Smart Poc Radio
Brand Name.....: Estalky
Model Name .....: E550
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 Receipt of Test Item.....: 14 Sept. 2020
Date of Performance of Tests .....: 14 Sept. 2020~21 Sept. 2020
Date of Issue.....: 22 Sept. 2020
Test Result .....: Pass

Compiled by : Mickey Deng
(Mickey Deng)

Technical Manager : Barry Li
(Barry Li)

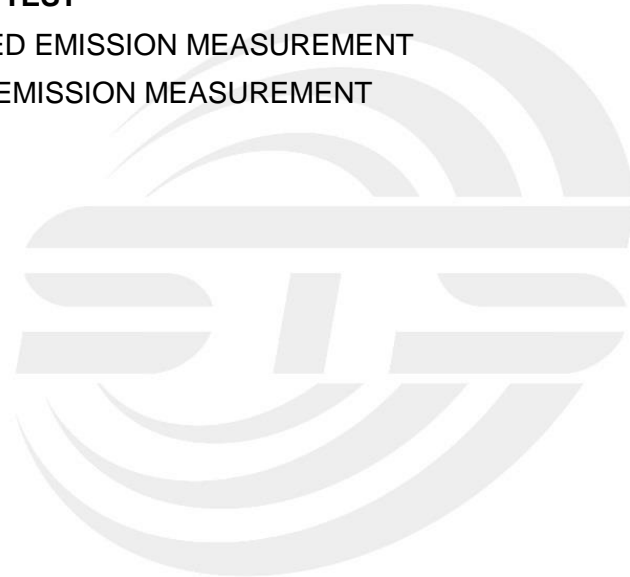
Authorized Signatory : Vita Li
(Vita Li)





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**Revision History**

Rev.	Issue Date	Report No.	Effect Page	Contents
00	22 Sept. 2020	STS2009211E01	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)	$\pm 3.37$ dB
2	Conducted Emission (150KHz-30MHz)	$\pm 3.83$ dB
3	All emissions,radiated(<1G) 30MHz-1000MHz	$\pm 5.6$ dB
4	All emissions,radiated(>1G) 1GHz-6GHz	$\pm 5.5$ dB
5	All emissions,radiated(>1G) 6GHz-26GHz	$\pm 5.8$ dB



2. GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF THE EUT

Product Name	Smart Poc Radio	
Brand Name	Estalky	
Model Name	E550	
Series Model	N/A	
Model Difference	N/A	
Test Sample Number	2009232-1X	
Frequency Bands	GSM	850: 824.2~848.8MHz 1900: 1850.2~1909.8MHz
	WCDMA	Band II: 1852.4~1907.6MHz Band V: 826.4~846.6MHz Band IV: 1712.4~1752.6MHz
	LTE	Band 2: 1850.7~1909.3MHz Band 4: 1710.7~1754.3MHz Band 5: 824.7~848.3MHz Band 7: 2502.5~2567.5MHz Band 13: 779.5~784.5MHz Band 17: 706.5~713.5MHz
	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): 5180~5320MHz 5GHz IEEE 802.11n/ac(40MHz): 5190~5310MHz 5GHz IEEE 802.11a/n/ac(20MHz): 5745~5825MHz 5GHz IEEE 802.11n/ac(40MHz): 5755~5795MHz
	Bluetooth	2402~2480MHz
	GPS	1575.42MHz
	Modulation Mode	GSM
WCDMA		QPSK; HSDPA:QPSK/16QAM; HSUPA:BPSK
LTE		QPSK/16QAM;
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
	GPS	BPSK
Adapter		Input: AC 100~240V, 300mA, 50~60Hz Output: 5V, 2000mA
Battery		Rated Voltage: 3.8V Charge Limit: 4.35V Capacity: 3600mA
Hardware Version Number		R886_MB_V4.0
Software Version Number		E550_V01_20200910

*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	GSM850 Link + Adapter + USB cable + BT Link + GPS Rx
Mode 3	PCS1900 Link + Adapter + USB cable + BT Link + GPS Rx
Mode 4	WCDMA1900 Link + Adapter + USB cable + BT Link + WLAN Link(2.4G) + GPS Rx
Mode 5	WCDMA850 Link + Adapter + USB cable + BT Link + WLAN Link(5G) + GPS Rx
Mode 6	WCDMA1700 Link + Adapter + USB cable + BT Link + WLAN Link(2.4G) + GPS Rx
Mode 7	LTE B2 Link + Adapter + USB cable + BT Link + WLAN Link(5G) + GPS Rx
Mode 8	LTE B4 Link + Adapter + USB cable + BT Link + WLAN Link(2.4G) + GPS Rx
Mode 9	LTE B5 Link + Adapter + USB cable + BT Link + WLAN Link(5G) + GPS Rx
Mode 10	LTE B7 Link + Adapter + USB cable + BT Link + WLAN Link(2.4G) + GPS Rx
Mode 11	LTE B13 Link + Adapter + USB cable + BT Link + WLAN Link(5G) + GPS Rx
Mode 12	LTE B17 Link + Adapter + USB cable + BT Link + WLAN Link(2.4G) + GPS Rx
Mode 13	Adapter + Back camera on + BT Link
Mode 14	Charging + Video
Mode 15	Charging + Camera

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

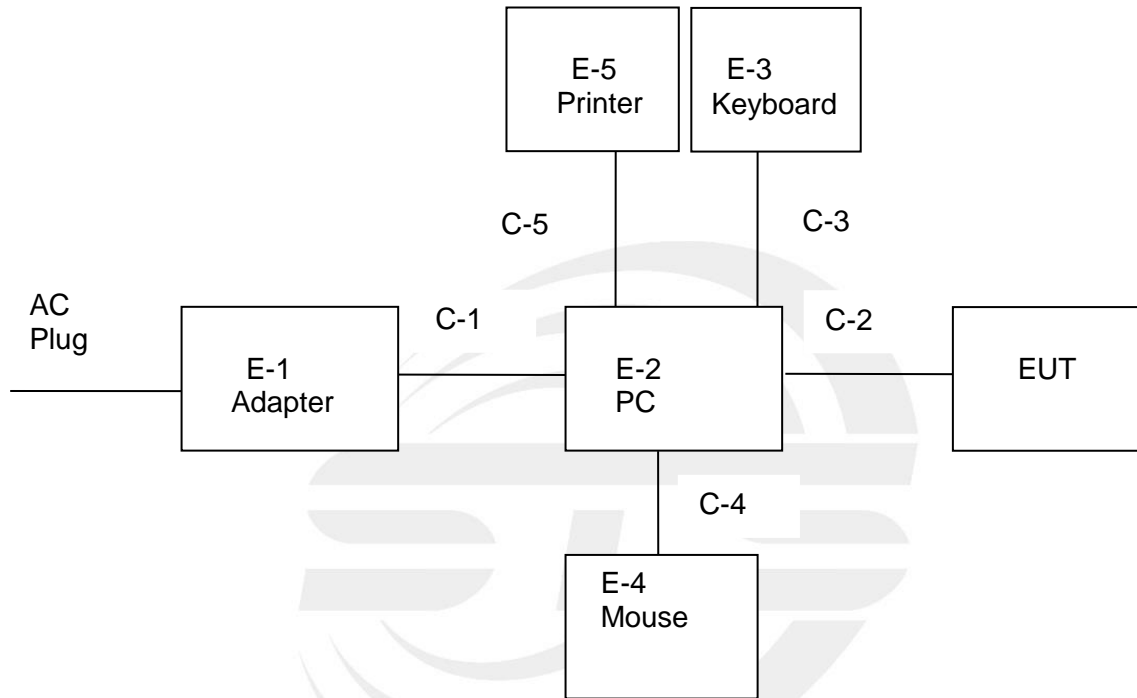
### Note:

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.



- We have be tested for all available 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.

### Necessary accessories

Item	Equipment	Mfr/Brand	Model/Type No.	Length	Note
E-1	Adapter	N/A	MR-0502000	N/A	N/A
C-2	USB Cable	N/A	N/A	80cm	N/A

### Support units

Item	Equipment	Mfr/Brand	Model/Type No.	Length	Note
E-1	Adapter	HP	HSTNN-CA15	N/A	ID
E-2	PC	LENOVO	ThinkPad E470	N/A	N/A
E-3	Keyboard	Acer	SK-9624	N/A	N/A
E-4	Mouse	HP	MODGUO	N/A	N/A
E-5	Printer	LENOVO	LJ2400L	N/A	N/A
C-1	Power Cord	N/A	N/A	150cm	N/A
C-3	USB Cable	N/A	N/A	180cm	N/A
C-4	USB Cable	N/A	N/A	180cm	N/A
C-5	USB Cable	N/A	N/A	120cm	N/A

### 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”.



## 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 $\mu$ V)		<input checked="" type="checkbox"/> Class B (dB $\mu$ 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

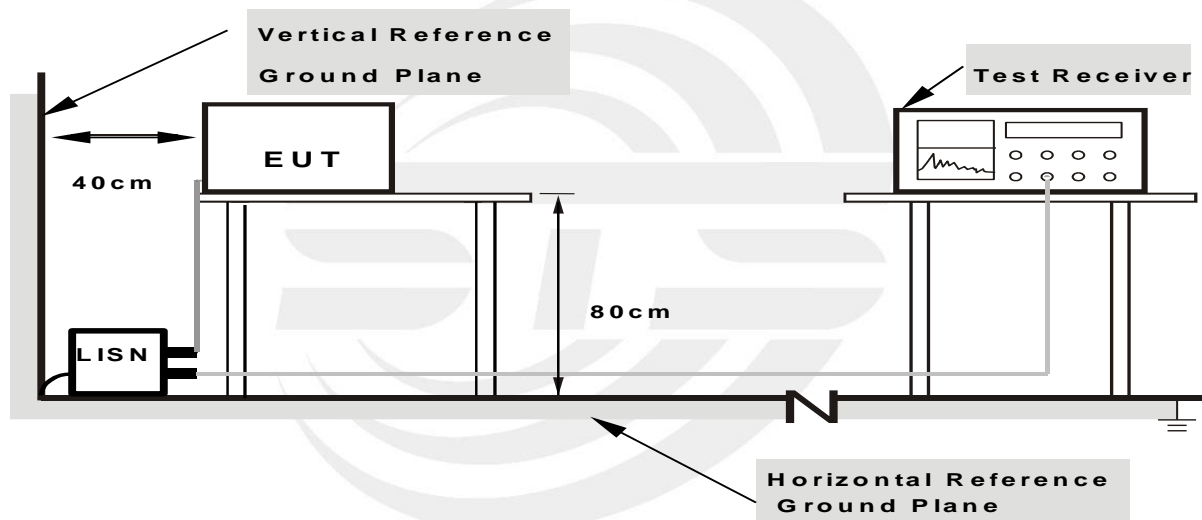
### 3.1.2 TEST PROCEDURE

- 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 cm 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

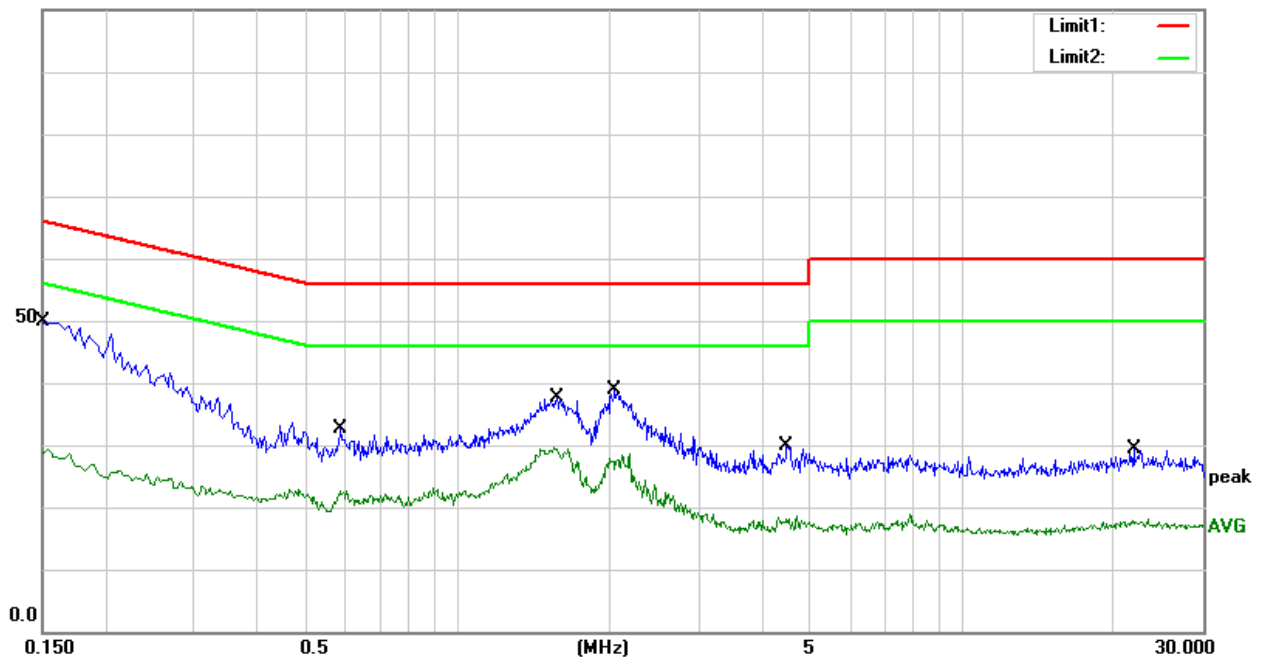
Temperature:	28.0°C	Relative Humidity:	67%
Phase:	L	Test Mode:	Mode 1
Test Voltage:	AC 120V/60Hz	Test Date:	2020.09.16

No.	Frequency (MHz)	Reading (dBUV)	Correct Factor (dB)	Result (dBUV)	Limit (dBUV)	Margin (dB)	Detector
1	0.1500	29.57	20.23	49.80	66.00	-16.20	QP
2	0.1500	8.76	20.23	28.99	56.00	-27.01	AVG
3	0.5860	12.25	20.39	32.64	56.00	-23.36	QP
4	0.5860	2.17	20.39	22.56	46.00	-23.44	AVG
5	1.5740	17.62	20.10	37.72	56.00	-18.28	QP
6	1.5740	9.44	20.10	29.54	46.00	-16.46	AVG
7	2.0500	18.85	20.06	38.91	56.00	-17.09	QP
8	2.0500	7.67	20.06	27.73	46.00	-18.27	AVG
9	4.4820	9.99	19.95	29.94	56.00	-26.06	QP
10	4.4820	-1.81	19.95	18.14	46.00	-27.86	AVG
11	21.9020	8.84	20.59	29.43	60.00	-30.57	QP
12	21.9020	-2.67	20.59	17.92	50.00	-32.08	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





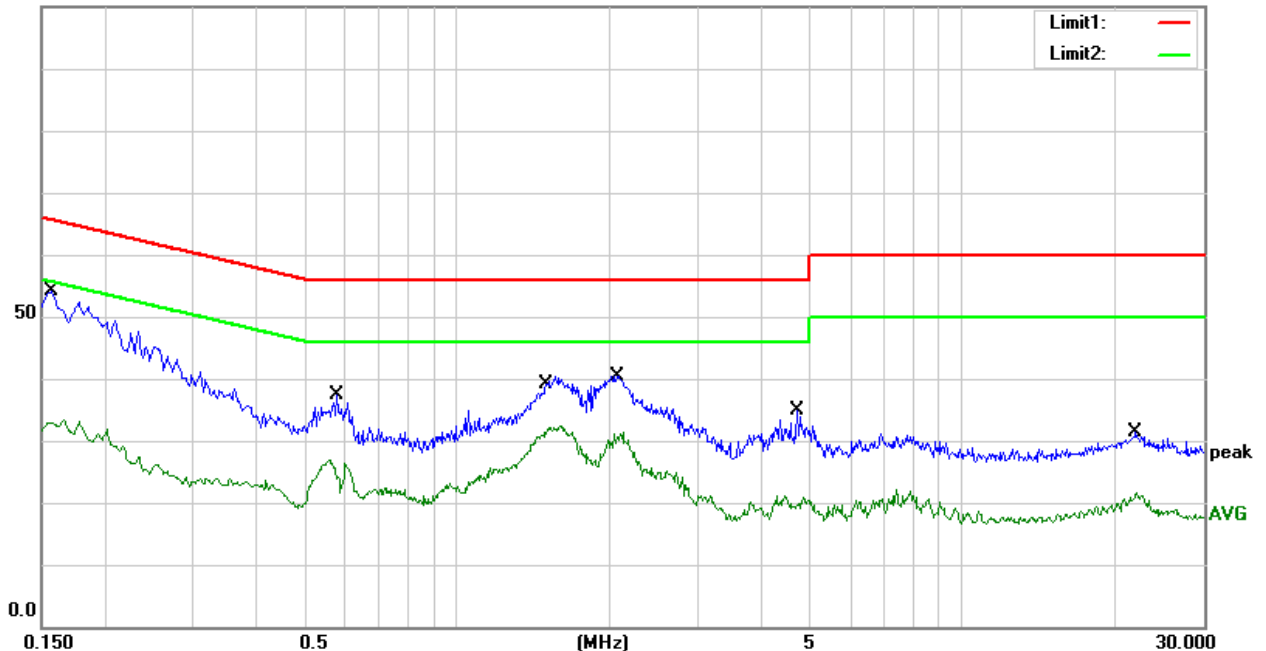
Temperature:	28.0°C	Relative Humidity:	67%
Phase:	N	Test Mode:	Mode 1
Test Voltage:	AC 120V/60Hz	Test Date:	2020.09.16

No.	Frequency (MHz)	Reading (dBUV)	Correct Factor (dB)	Result (dBUV)	Limit (dBUV)	Margin (dB)	Detector
1	0.1580	33.98	20.23	54.21	65.57	-11.36	QP
2	0.1580	13.26	20.23	33.49	55.57	-22.08	AVG
3	0.5780	17.07	20.40	37.47	56.00	-18.53	QP
4	0.5780	5.96	20.40	26.36	46.00	-19.64	AVG
5	1.5020	18.94	20.11	39.05	56.00	-16.95	QP
6	1.5020	11.37	20.11	31.48	46.00	-14.52	AVG
7	2.0740	20.44	20.05	40.49	56.00	-15.51	QP
8	2.0740	10.96	20.05	31.01	46.00	-14.99	AVG
9	4.7140	14.89	19.95	34.84	56.00	-21.16	QP
10	4.7140	-0.03	19.95	19.92	46.00	-26.08	AVG
11	21.9580	10.69	20.59	31.28	60.00	-28.72	QP
12	21.9580	0.98	20.59	21.57	50.00	-28.43	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).





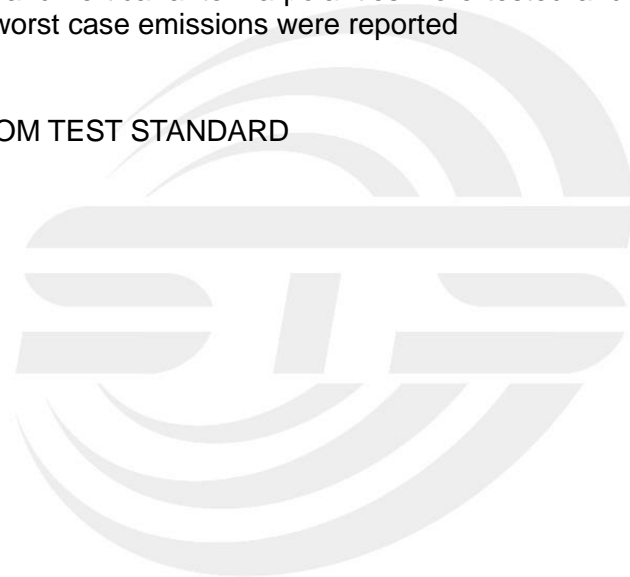
### 3.2.2 TEST PROCEDURE

- 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

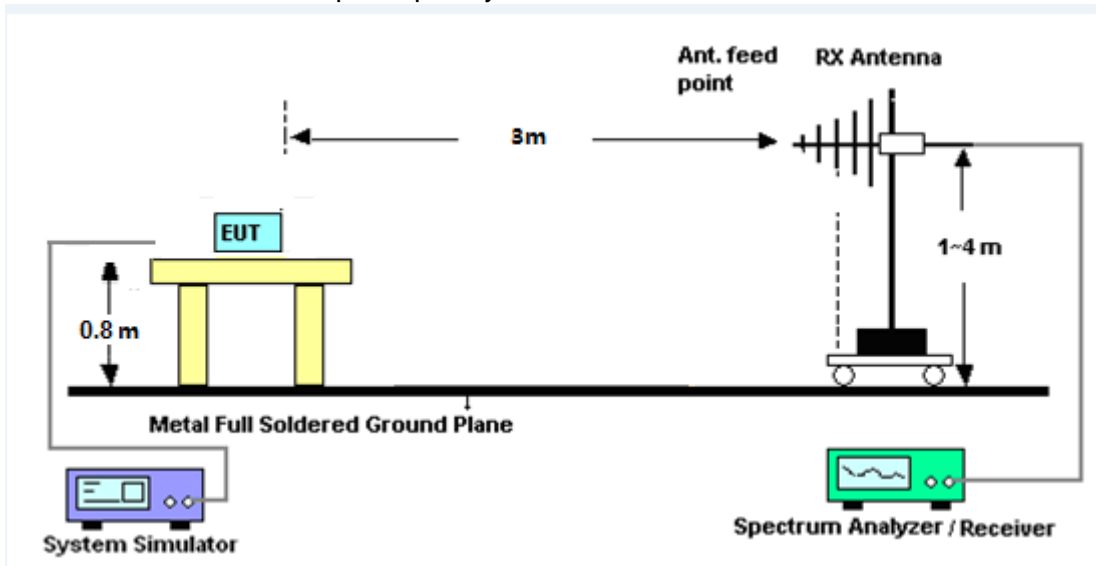
### 3.2.3 DEVIATION FROM TEST STANDARD

No deviation

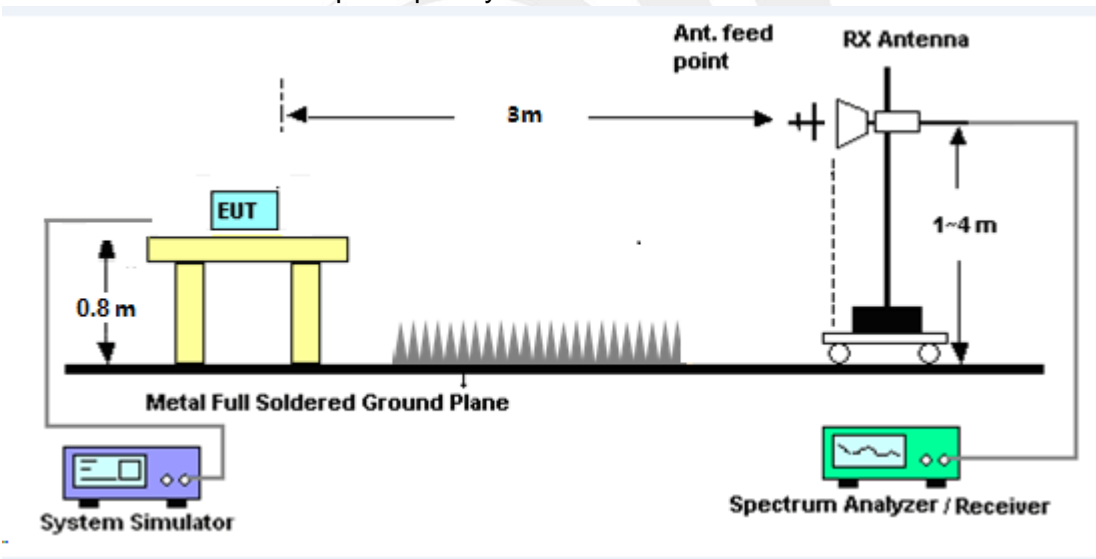


### 3.2.4 TEST SETUP

(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

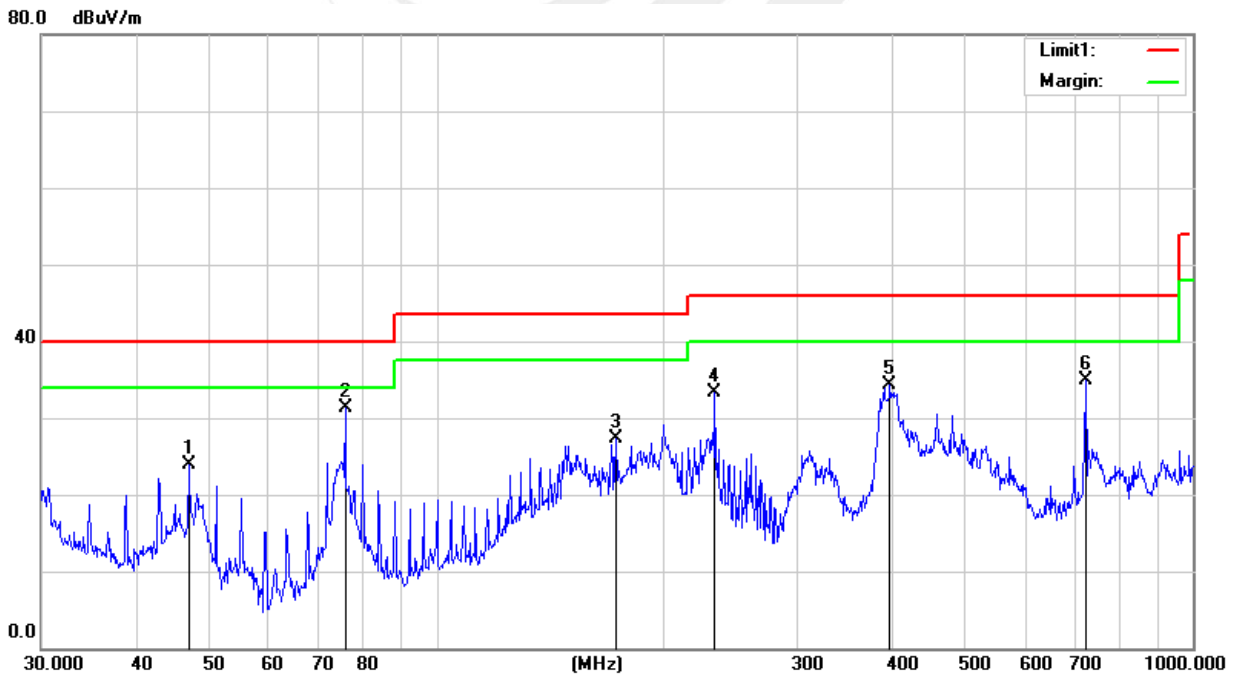
30MHz - 1000MHz

Temperature:	25.9°C	Relative Humidity:	55%
Phase:	Horizontal	Test Mode:	Mode 1
Test Voltage:	AC 120V/60Hz	Test Date:	2020.09.15

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	46.9948	44.78	-20.82	23.96	40.00	-16.04	QP
2	75.7114	56.55	-25.20	31.35	40.00	-8.65	QP
3	172.5988	49.70	-22.46	27.24	43.50	-16.26	QP
4	233.3487	54.92	-21.70	33.22	46.00	-12.78	QP
5	397.6334	48.60	-14.26	34.34	46.00	-11.66	QP
6	721.7260	46.91	-12.09	34.82	46.00	-11.18	QP

Remark:

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





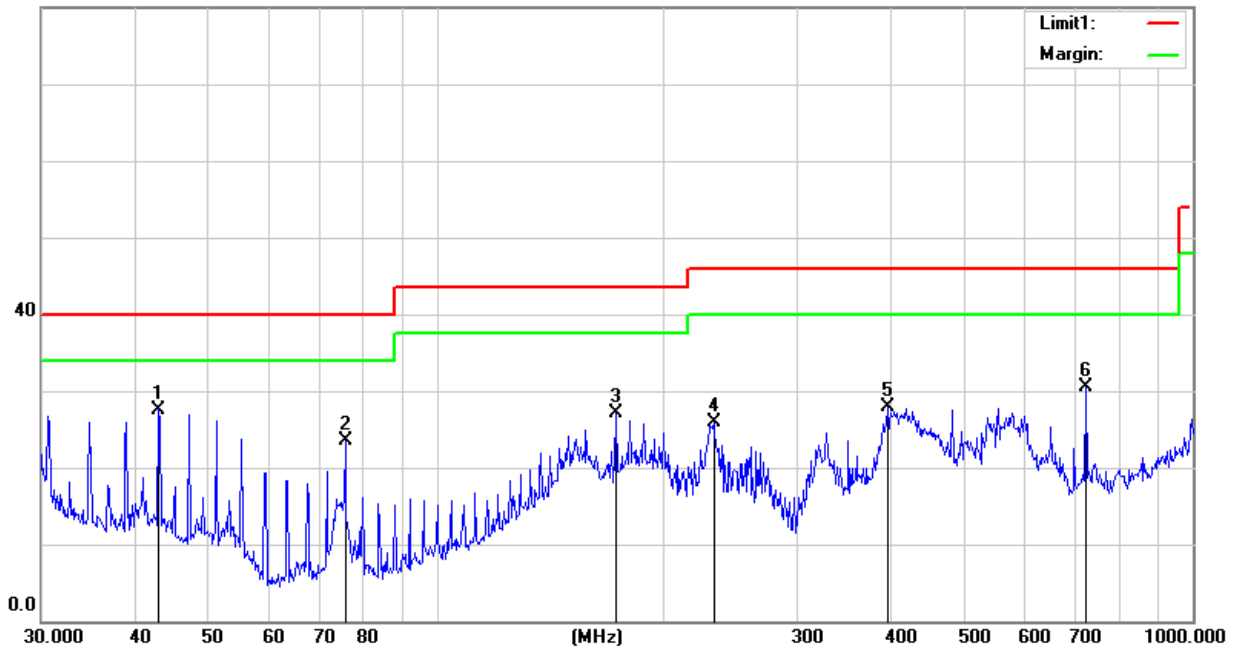
Temperature:	25.9°C	Relative Humidity:	55%
Phase:	Vertical	Test Mode:	Mode 1
Test Voltage:	AC 120V/60Hz	Test Date:	2020.09.15

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	42.8998	46.12	-18.52	27.60	40.00	-12.40	QP
2	75.7114	48.78	-25.20	23.58	40.00	-16.42	QP
3	172.5988	49.58	-22.46	27.12	43.50	-16.38	QP
4	232.5318	47.63	-21.66	25.97	46.00	-20.03	QP
5	394.8545	42.41	-14.52	27.89	46.00	-18.11	QP
6	721.7260	42.55	-12.09	30.46	46.00	-15.54	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)

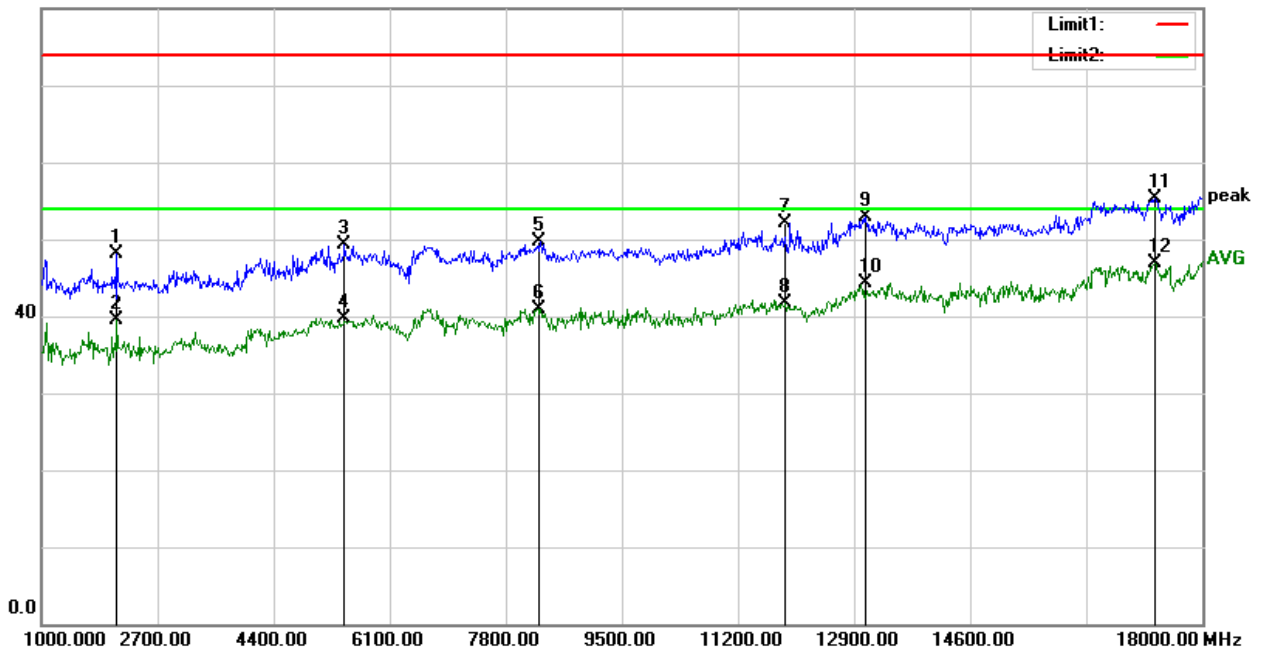
Temperature:	25.9°C	Relative Humidity:	55%
Phase:	Horizontal	Test Mode:	Mode 1
Test Voltage:	AC 120V/60Hz	Test Date:	2020.09.15

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	2105.000	49.25	-1.11	48.14	74.00	-25.86	Peak
2	2105.000	40.56	-1.11	39.45	54.00	-14.55	AVG
3	5437.000	41.95	7.32	49.27	74.00	-24.73	Peak
4	5437.000	32.31	7.32	39.63	54.00	-14.37	AVG
5	8276.000	37.96	11.69	49.65	74.00	-24.35	Peak
6	8276.000	29.25	11.69	40.94	54.00	-13.06	AVG
7	11897.000	37.37	14.69	52.06	74.00	-21.94	Peak
8	11897.000	27.04	14.69	41.73	54.00	-12.27	AVG
9	13070.000	37.56	15.37	52.93	74.00	-21.07	Peak
10	13070.000	29.00	15.37	44.37	54.00	-9.63	AVG
11	17303.000	34.23	20.98	55.21	74.00	-18.79	Peak
12	17303.000	25.93	20.98	46.91	54.00	-7.09	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





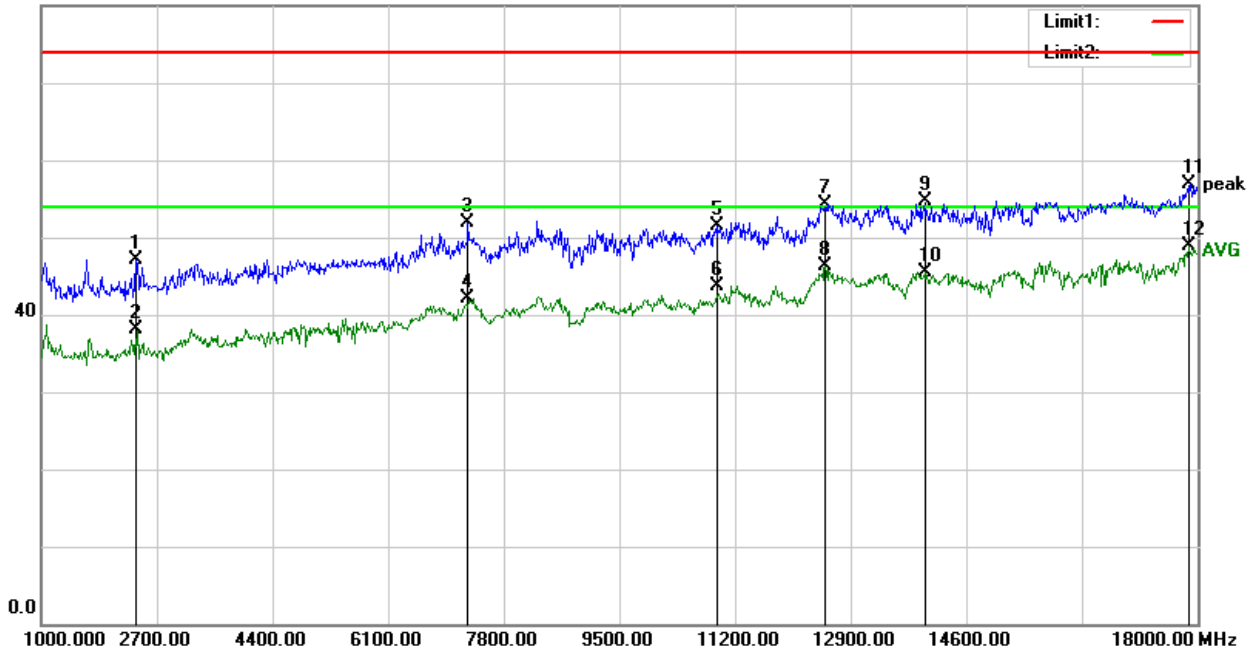
Temperature:	25.9°C	Relative Humidity:	55%
Phase:	Vertical	Test Mode:	Mode 1
Test Voltage:	AC 120V/60Hz	Test Date:	2020.09.15

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	2394.000	47.84	-0.82	47.02	74.00	-26.98	Peak
2	2394.000	38.98	-0.82	38.16	54.00	-15.84	AVG
3	7273.000	40.55	11.45	52.00	74.00	-22.00	Peak
4	7273.000	30.74	11.45	42.19	54.00	-11.81	AVG
5	10945.000	37.31	14.19	51.50	74.00	-22.50	Peak
6	10945.000	29.42	14.19	43.61	54.00	-10.39	AVG
7	12526.000	38.75	15.55	54.30	74.00	-19.70	Peak
8	12526.000	30.71	15.55	46.26	54.00	-7.74	AVG
9	13988.000	37.48	17.26	54.74	74.00	-19.26	Peak
10	13988.000	28.22	17.26	45.48	54.00	-8.52	AVG
11	17864.000	32.73	24.13	56.86	74.00	-17.14	Peak
12	17864.000	24.70	24.13	48.83	54.00	-5.17	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)

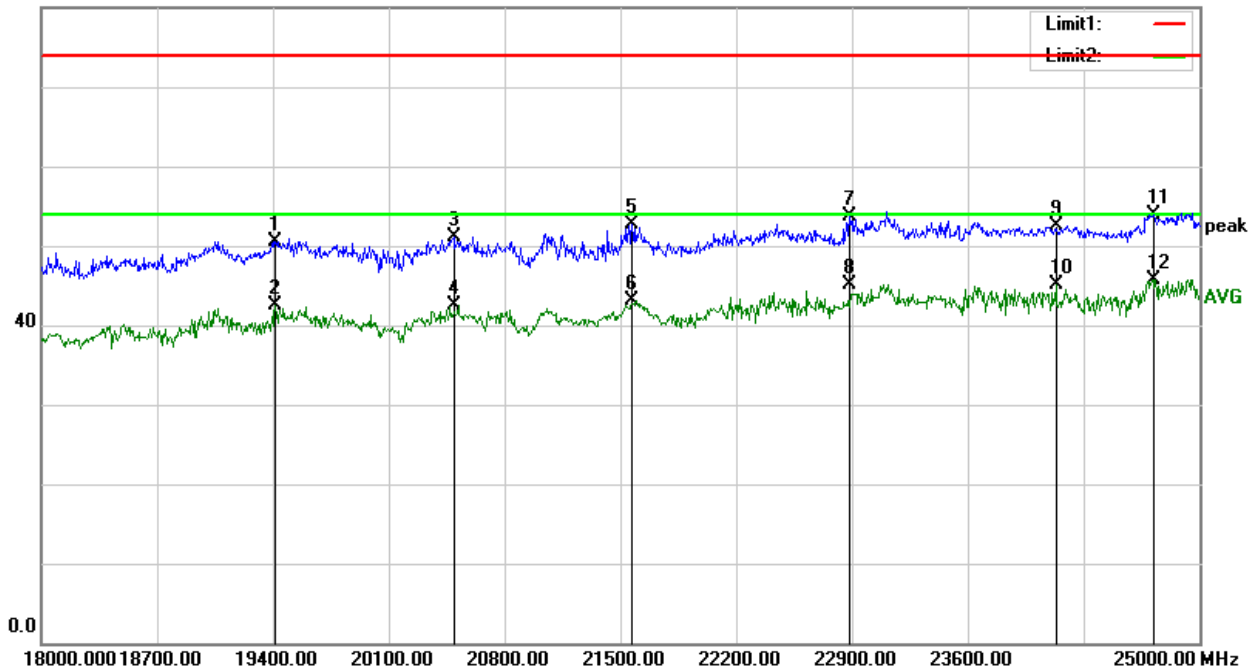
Temperature:	25.9°C	Relative Humidity:	55%
Phase:	Horizontal	Test Mode:	Mode 1
Test Voltage:	AC 120V/60Hz	Test Date:	2020.09.15

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	19414.000	25.23	25.28	50.51	74.00	-23.49	Peak
2	19414.000	17.15	25.28	42.43	54.00	-11.57	AVG
3	20492.000	26.22	24.94	51.16	74.00	-22.84	Peak
4	20492.000	17.54	24.94	42.48	54.00	-11.52	AVG
5	21570.000	28.03	24.72	52.75	74.00	-21.25	Peak
6	21570.000	18.29	24.72	43.01	54.00	-10.99	AVG
7	22886.000	29.23	24.52	53.75	74.00	-20.25	Peak
8	22886.000	20.61	24.52	45.13	54.00	-8.87	AVG
9	24132.000	27.59	24.88	52.47	74.00	-21.53	Peak
10	24132.000	20.18	24.88	45.06	54.00	-8.94	AVG
11	24720.000	28.99	24.95	53.94	74.00	-20.06	Peak
12	24720.000	20.82	24.95	45.77	54.00	-8.23	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





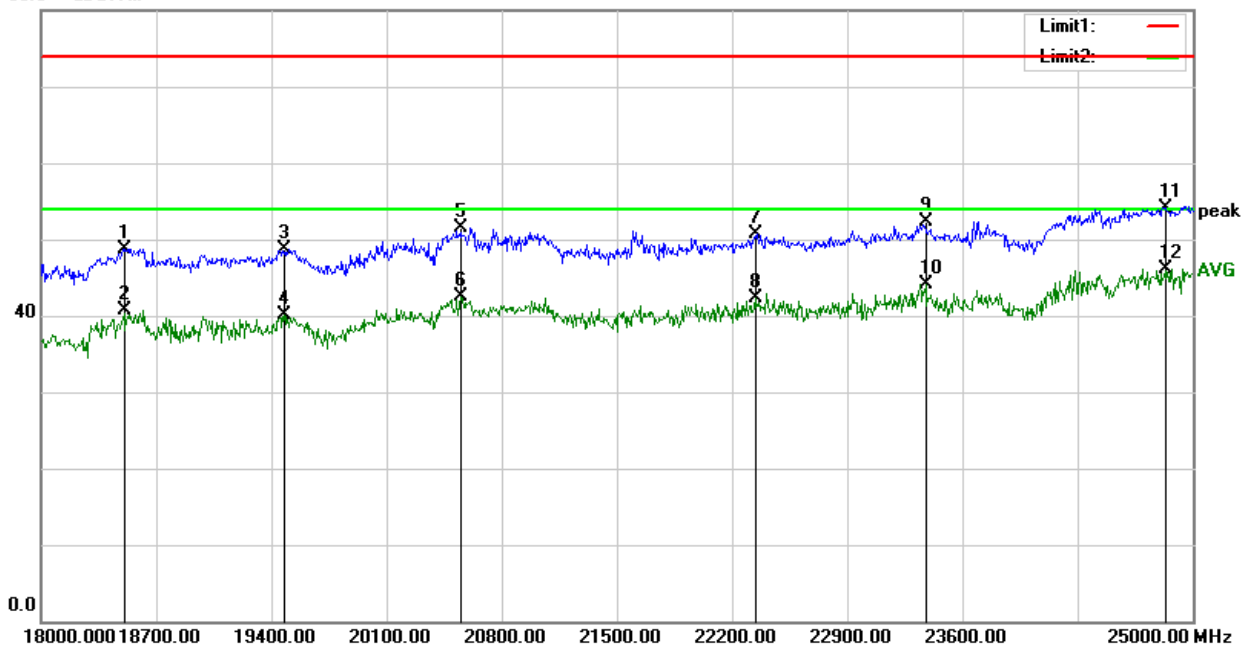
Temperature:	25.9°C	Relative Humidity:	55%
Phase:	Vertical	Test Mode:	Mode 1
Test Voltage:	AC 120V/60Hz	Test Date:	2020.09.15

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	18511.000	24.05	24.73	48.78	74.00	-25.22	Peak
2	18511.000	15.89	24.73	40.62	54.00	-13.38	AVG
3	19477.000	23.20	25.55	48.75	74.00	-25.25	Peak
4	19477.000	14.47	25.55	40.02	54.00	-13.98	AVG
5	20548.000	26.63	24.94	51.57	74.00	-22.43	Peak
6	20548.000	17.52	24.94	42.46	54.00	-11.54	AVG
7	22340.000	26.26	24.46	50.72	74.00	-23.28	Peak
8	22340.000	17.92	24.46	42.38	54.00	-11.62	AVG
9	23376.000	27.55	24.69	52.24	74.00	-21.76	Peak
10	23376.000	19.42	24.69	44.11	54.00	-9.89	AVG
11	24839.000	29.24	24.96	54.20	74.00	-19.80	Peak
12	24839.000	21.21	24.96	46.17	54.00	-7.83	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 and average detector mode of the emission shown in Actual FS column.

\*\*\*END OF THE REPORT\*\*\*