RADIO TEST REPORT
FCC ID: 2AFNZ-730

Product：	Electronic tablet
Trade Mark：	N/A
Model Name：	730
Serial Model：	N/A
Report No.：	SER180115010001E

Prepared for

JING MOLD ELECTRONICS TECHNOLOGY(SHENZHEN)CO.,LTD

Xinqiao,3rd Industral Estate,Shajing Baoan,Shenzhen,China

Prepared by

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TEST RESULT CERTIFICATION

Applicant's name	:	JING MOLD ELECTRONICS TECHNOLOGY(SHENZHEN)CO.,LTD
Address	:	Xinqiao,3rd Industral Estate,Shajing Baoan,Shenzhen,China
Manufacturer's Name	:	JING MOLD ELECTRONICS TECHNOLOGY(SHENZHEN)CO.,LTD
Address	:	Xinqiao,3rd Industral Estate,Shajing Baoan,Shenzhen,China

Product description

Product name	:	Electronic tablet
Model and/or type reference	:	730
Serial Model：		N/A
Rating(s)	:	DC 3.7V from battery or DC 5V from USB Port
Standards	:	FCC Part15.249: 2018
Test procedure		ANSI C63.10-2013

This device described above has been tested by NTEK, 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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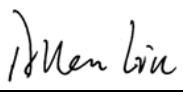
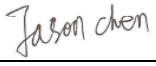
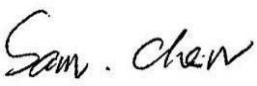
Date of Test	:	
Date (s) of performance of tests	:	15 Jan. 2018 ~26 Feb. 2018
Date of Issue	:	26 Feb. 2018
Test Result	:	**Pass**

Testing Engineer : 

(Allen Liu)

Technical Manager : 

(Jason Chen)

Authorized Signatory : 

(Sam Chen)

Table of Contents Page

1. SUMMARY OF TEST RESULTS

Test procedures according to the technical standards:

FCC Part15, Subpart C (15.249)			
Standard Section	Test Item	Judgment	Remark
15.207	Conducted Emission	Pass	
15.203	Antenna Requirement	Pass	
15.249 15.209	Radiated Spurious Emission	Pass	
15.249(2)	Frequency Tolerance	Pass	
15.249(a)	Fundamental Measurement	Pass	
15.205	Band Edge Emission	Pass	
15.249	Occupied Bandwidth	Pass	

1.1 TEST FACILITY

Shenzhen NTEK Testing Technology Co., Ltd
Add. : 1/F, Building E, Fenda Science Park, Sanwei Community, Xixiang Street, Bao'an District, Shenzhen 518126 P.R. China.
FCC FRN Registration No.:463705; IC Registration No.:9270A-1
CNAS Registration No.:L5516

1.2 MEASUREMENT UNCERTAINTY

The reported uncertainty of measurement **y ± U**，where expended 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 Test	±1.38dB
2	RF power,conducted	±0.16dB
3	Spurious emissions,conducted	±0.21dB
4	All emissions,radiated(<1G)	±4.68dB
5	All emissions,radiated(>1G)	±4.89dB
6	Temperature	±0.5°C
7	Humidity	±2%

2. GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF EUT

Equipment	Electronic tablet
Trade Mark	N/A
Model Name	730
Serial Model	N/A
Model Difference	N/A
Product Description	The EUT is a Electronic tablet Operation Frequency: 2406-2475MHz Modulation Type: GFSK Antenna Designation: PCB Antenna Antenna Gain(Peak) -3.02 dBi Based on the application, features, or specification exhibited in User's Manual. More details of EUT technical specification, please refer to the User's Manual.
Channel List	Please refer to the Note 2.
Adapter	N/A
Battery	DC 3.7V 450mAh

Note:

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

2.

Channel	Frequency(MHz)
01	2406
02	2407
…	…
34	2439
35	2440
…	…
69	2474
70	2475

3.

Table for Filed Antenna

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)	NOTE
1	N/A	N/A	PCB Antenna	N/A	-3.02	Antenna

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

Pretest Mode	Description
Mode 1	CH01
Mode 2	CH34
Mode 3	CH70
Mode 4	Normal link

For Radiated Spurious Emission	
Pretest Mode	Description
Mode 1	CH01
Mode 2	CH34
Mode 3	CH70

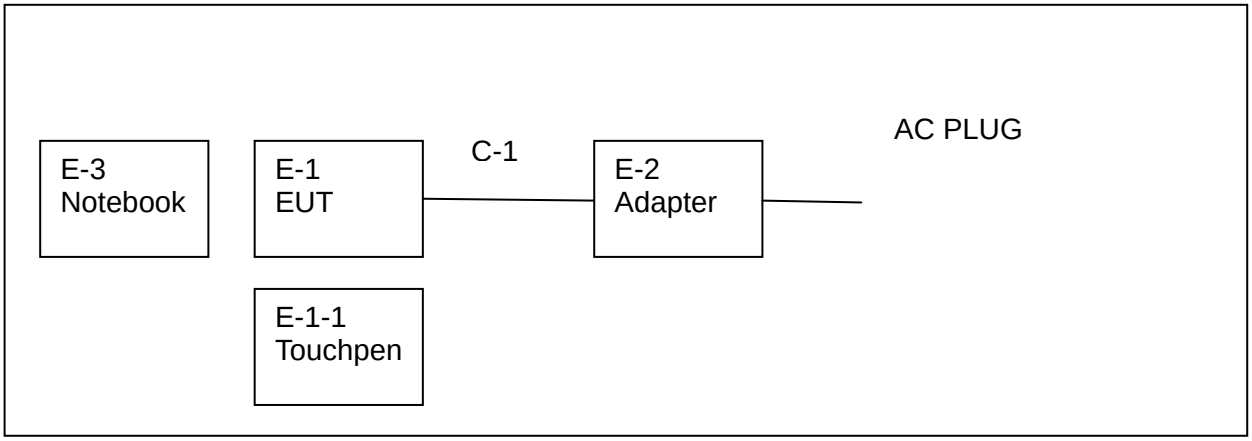
For Conducted Emission	
Final Test Mode	Description
Mode 1	CH01
Mode 2	CH34
Mode 3	CH70
Mode 4	Normal link

Note:

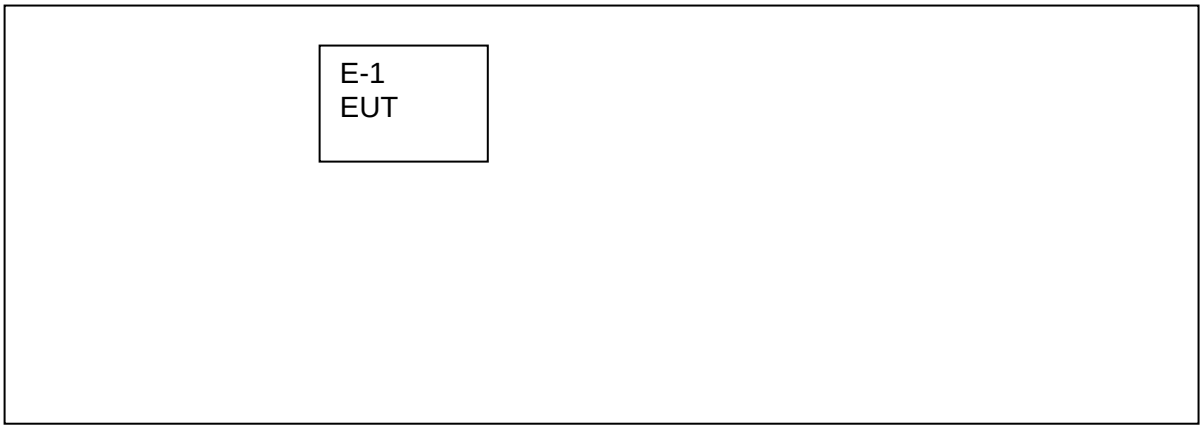
(1) The measurements are performed at the highest, middle, lowest available channels.

2.3 BLOCK DIGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED

Conducted Emission Mode



Radiated Spurious Emission Test



2.4 DESCRIPTION OF SUPPORT UNITS(CONDUCTED MODE)

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.

Item	Equipment	Mfr/Brand	Model/Type No.	Series No.	Note
E-1	Electronic tablet	N/A	730	N/A	EUT
E-1-1	Touchpen	N/A	N/A	N/A	EUT
E-2	Adapter	N/A	EP19-050050WXLA	N/A	Peripherals
E-3	Notebook	Lenovo	Thinkpad Edge E430	N/A	Peripherals

Item	Cable Type	Shielded Type	Ferrite Core	Length	Note
C-1	USB Cable	NO	NO	1m	

Note:

(1) The support equipment was authorized by Declaration of Confirmation.
(2) For detachable type I/O cable should be specified the length in cm in 『Length』 column.

2.5 EQUIPMENTS LIST FOR ALL TEST ITEMS

Radiation Test equipment

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until	Calibration period
1	Spectrum Analyzer	Aglient	E4407B	MY45108040	2017.06.06	2018.06.05	1 year
2	Spectrum Analyzer	Agilent	N9020A	MY49100060	2017.11.10	2018.11.09	1 year
3	EMI Test Receiver	Agilent	N9038A	MY53227146	2017.06.06	2018.06.05	1 year
4	Test Receiver	R&S	ESPI	101318	2017.06.06	2018.06.05	1 year
5	Bilog Antenna	TESEQ	CBL6111D	31216	2017.04.09	2018.04.08	1 year
6	50Ω Coaxial Switch	Anritsu	MP59B	6200983705	2017.06.06	2018.06.05	1 year
7	Horn Antenna	EM	EM-AH-10180	2011071402	2017.04.09	2018.04.08	1 year
8	Horn Ant	Schwarzbeck	BBHA 9170	9170-181	2017.07.06	2018.07.05	1 year
9	Amplifier	EMC	EMC051835SE	980246	2017.08.09	2018.08.08	1 year
10	Amplifier	MITEQ	TTA1840-35-HG	177156	2017.06.06	2018.06.05	1 year
11	Loop Antenna	ARA	PLA-1030/B	1029	2017.06.06	2018.06.05	1 year
12	Power Meter	DARE	RPR3006W	15I00041SNO84	2017.08.07	2018.08.06	1 year
13	Test Cable (9KHz-30MHz)	N/A	R-01	N/A	2017.04.21	2020.04.20	3 year
14	Test Cable (30MHz-1GHz)	N/A	R-02	N/A	2017.04.21	2020.04.20	3 year
15	High Test Cable(1G-40 GHz)	N/A	R-03	N/A	2017.04.21	2020.04.20	3 year
16	High Test Cable(1G-40 GHz)	N/A	R-04	N/A	2017.04.21	2020.04.20	3 year
17	temporary antenna connector (Note)	NTS	R001	N/A	N/A	N/A	N/A

Note:
We will use the temporary antenna connector (soldered on the PCB board) When conducted test
And this temporary antenna connector is listed within the instrument list

Conduction Test equipment

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until	Calibration period
1	Test Receiver	R&S	ESCI	101160	2017.06.06	2018.06.05	1 year
2	LISN	R&S	ENV216	101313	2017.04.19	2018.04.18	1 year
3	LISN	SCHWARZBECK	NNLK 8129	8129245	2017.06.06	2018.06.05	1 year
4	50Ω Coaxial Switch	ANRITSU CORP	MP59B	6200983704	2017.06.06	2018.06.05	1 year
5	Test Cable (9KHz-30MHz)	N/A	C01	N/A	2017.04.21	2020.04.20	3 year
6	Test Cable (9KHz-30MHz)	N/A	C02	N/A	2017.04.21	2020.04.20	3 year
7	Test Cable (9KHz-30MHz)	N/A	C03	N/A	2017.04.21	2020.04.20	3 year

Note: Each piece of equipment is scheduled for calibration once a year except the Test Cable which is scheduled for calibration every 3 years.

3. ANTENNA REQUIREMENT

3.1 STANDARD REQUIREMENT

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.

3.2 EUT ANTENNA

The EUT antenna is permanent attached PCB antenna(Gain:-3.02dBi). It comply with the standard requirement.

3.3 CONDUCTED EMISSION MEASUREMENT

3.3.1 POWER LINE CONDUCTED EMISSION Limits (Frequency Range 150KHz-30MHz)

FREQUENCY (MHz)	Class A (dBuV)		Class B (dBuV)		Standard
	Quasi-peak	Average	Quasi-peak	Average	
0.15 -0.5			66 - 56 *	56 - 46 *	CISPR
0.50 -5.0			56.00	46.00	CISPR
5.0 -30.0			60.00	50.00	CISPR

0.15 -0.5			66 - 56 *	56 - 46 *	LP002.
0.50 -5.0			56.00	46.00	LP002.
5.0 -30.0			60.00	50.00	LP002.

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

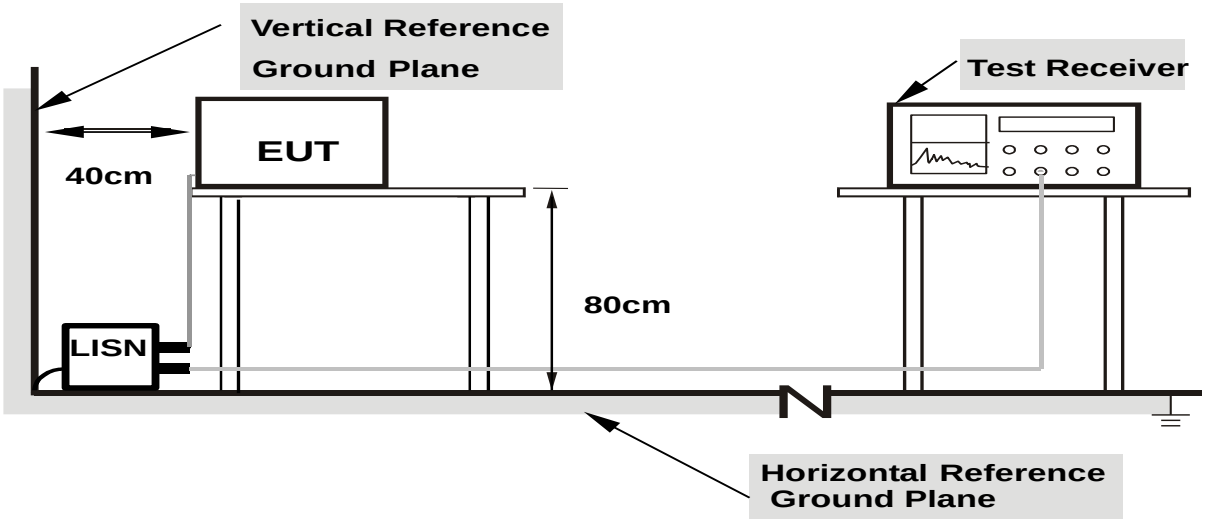
3.3.2 TEST PROCEDURE

a. The EUT was placed 0.4 meters from the horizontal ground plane with EUT being connected to the power mains through a line impedance stabilization network (LISN). All other support equipments powered from additional LISN(s). The LISN 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. LISN at least 80 cm from nearest part of EUT chassis.
e. For the actual test configuration, please refer to the related Item –EUT Test Photos.

3.3.3 DEVIATION FROM TEST STANDARD

No deviation

3.3.4 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

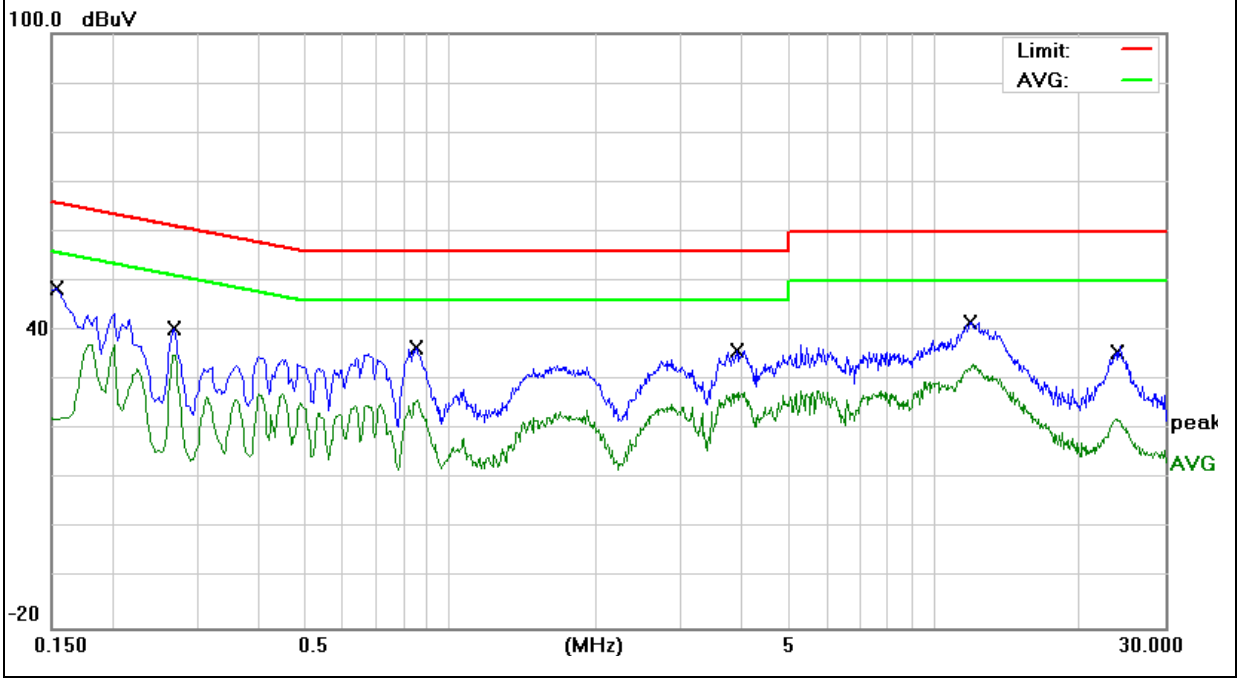
3.2.5 TEST RESULT

EUT：	Electronic tablet	Model Name. ：	730
Temperature：	25 ℃	Relative Humidity：	55%
Pressure：	1010hPa	Phase：	L
Test Voltage ：	DC 5V from adapter AC 120V/60Hz	Test Mode：	Model 4

Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Margin	Remark
(MHz)	(dBμV)	(dB)	(dBμV)	(dBμV)	(dB)	
0.1539	38.34	9.92	48.26	65.78	-17.52	QP
0.1539	27.25	9.92	37.17	55.78	-18.61	AVG
0.2700	30.45	9.92	40.37	61.12	-20.75	QP
0.2700	25.24	9.92	35.16	51.12	-15.96	AVG
0.8500	26.75	9.93	36.68	56.00	-19.32	QP
0.8500	16.21	9.93	26.14	46.00	-19.86	AVG
3.9180	25.99	9.95	35.94	56.00	-20.06	QP
3.9180	17.70	9.95	27.65	46.00	-18.35	AVG
11.8100	31.51	10.14	41.65	60.00	-18.35	QP
11.8100	23.24	10.14	33.38	50.00	-16.62	AVG
23.8180	26.59	10.36	36.95	60.00	-23.05	QP
23.8180	11.83	10.36	22.19	50.00	-27.81	AVG

Remark:

1. All readings are Quasi-Peak and Average values.
2. Factor = Insertion Loss + Cable Loss.

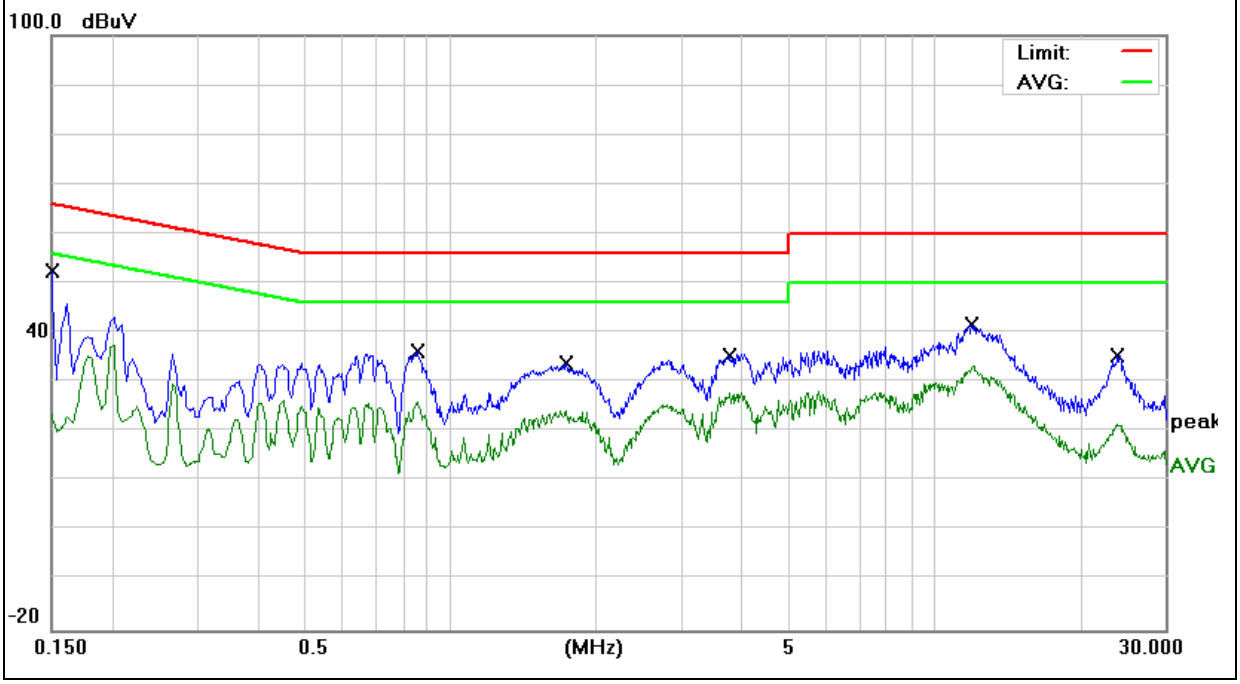


EUT：	Electronic tablet	Model Name. ：	730
Temperature：	25 ℃	Relative Humidity：	55%
Pressure：	1010hPa	Phase：	N
Test Voltage ：	DC 5V from adapter AC 120V/60Hz	Test Mode：	Model 4

Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Margin	Remark
(MHz)	(dBμV)	(dB)	(dBμV)	(dBμV)	(dB)	
0.1500	42.39	9.92	52.31	65.99	-13.68	QP
0.1500	27.67	9.92	37.59	55.99	-18.40	AVG
0.8540	26.30	9.93	36.23	56.00	-19.77	QP
0.8540	16.02	9.93	25.95	46.00	-20.05	AVG
1.7380	23.76	9.94	33.70	56.00	-22.30	QP
1.7380	14.38	9.94	24.32	46.00	-21.68	AVG
3.7820	25.41	9.95	35.36	56.00	-20.64	QP
3.7820	18.00	9.95	27.95	46.00	-18.05	AVG
11.9540	31.48	10.15	41.63	60.00	-18.37	QP
11.9540	23.01	10.15	33.16	50.00	-16.84	AVG
23.8140	24.95	10.36	35.31	60.00	-24.69	QP
23.8140	11.08	10.36	21.44	50.00	-28.56	AVG

Remark:

1. All readings are Quasi-Peak and Average values.
2. Factor = Insertion Loss + Cable Loss.

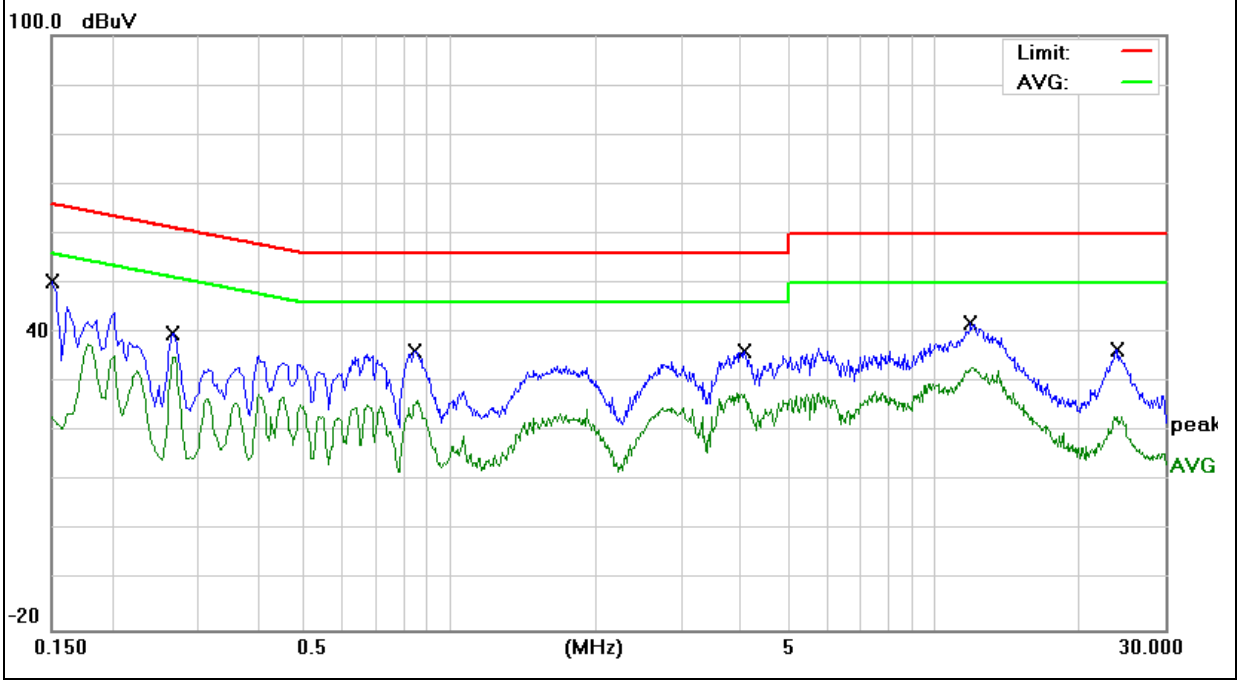


EUT：	Electronic tablet	Model Name. ：	730
Temperature：	25 ℃	Relative Humidity：	55%
Pressure：	1010hPa	Phase：	L
Test Voltage ：	DC 5V from adapter AC 240V/60Hz	Test Mode：	Model 4

Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Margin	Remark
(MHz)	(dBμV)	(dB)	(dBμV)	(dBμV)	(dB)	
0.1500	40.54	9.92	50.46	65.99	-15.53	QP
0.1500	27.90	9.92	37.82	55.99	-18.17	AVG
0.2660	30.04	9.92	39.96	61.24	-21.28	QP
0.2660	25.11	9.92	35.03	51.24	-16.21	AVG
0.8460	26.38	9.93	36.31	56.00	-19.69	QP
0.8460	16.33	9.93	26.26	46.00	-19.74	AVG
4.0540	26.35	9.95	36.30	56.00	-19.70	QP
4.0540	17.85	9.95	27.80	46.00	-18.20	AVG
11.9020	31.67	10.15	41.82	60.00	-18.18	QP
11.9020	22.93	10.15	33.08	50.00	-16.92	AVG
23.8940	26.18	10.36	36.54	60.00	-23.46	QP
23.8940	12.69	10.36	23.05	50.00	-26.95	AVG

Remark:

1. All readings are Quasi-Peak and Average values.
2. Factor = Insertion Loss + Cable Loss.

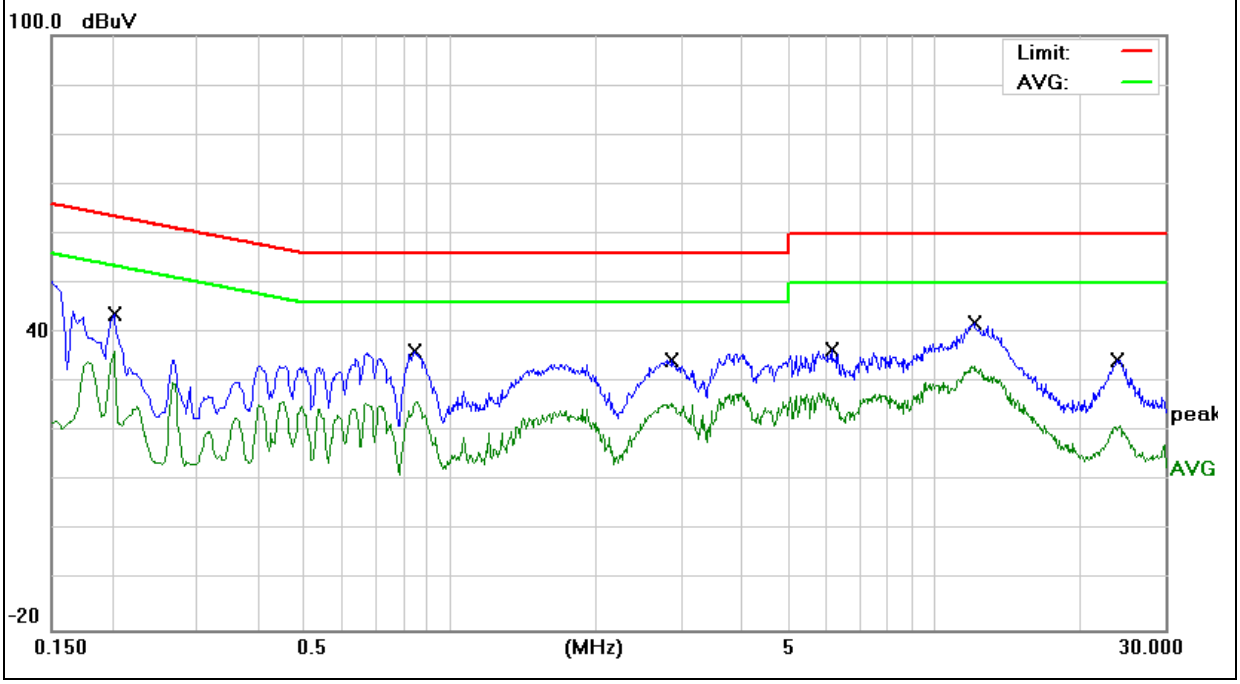


EUT：	Electronic tablet	Model Name. ：	730
Temperature：	25 ℃	Relative Humidity：	55%
Pressure：	1010hPa	Phase：	N
Test Voltage ：	DC 5V from adapter AC 240V/60Hz	Test Mode：	Model 4

Frequency (MHz)	Reading Level (dBμV)	Correct Factor (dB)	Measure-ment (dBμV)	Limits (dBμV)	Margin (dB)	Remark
0.2020	33.81	9.92	43.73	63.52	-19.79	QP
0.2020	26.22	9.92	36.14	53.52	-17.38	AVG
0.8460	26.23	9.93	36.16	56.00	-19.84	QP
0.8460	16.19	9.93	26.12	46.00	-19.88	AVG
2.8820	24.59	9.95	34.54	56.00	-21.46	QP
2.8820	15.89	9.95	25.84	46.00	-20.16	AVG
6.1340	26.56	10.02	36.58	60.00	-23.42	QP
6.1340	17.77	10.02	27.79	50.00	-22.21	AVG
12.0740	31.85	10.15	42.00	60.00	-18.00	QP
12.0740	23.04	10.15	33.19	50.00	-16.81	AVG
24.0060	24.09	10.37	34.46	60.00	-25.54	QP
24.0060	10.99	10.37	21.36	50.00	-28.64	AVG

Remark:

1. All readings are Quasi-Peak and Average values.
2. Factor = Insertion Loss + Cable Loss.



3.4 RADIATED EMISSION MEASUREMENT

3.4.1 Radiated Emission Limits (FCC 15.209)

Frequencies (MHz)	Field Strength (micorvolts/meter)	Measurement Distance (meters)
0.009~0.490	2400/F(KHz)	300
0.490~1.705	24000/F(KHz)	30
1.705~30.0	30	30
Frequency (MHz)	Limit (dBuV)	
30~88	40	3
88~216	43.5	3
216~960	46	3
960 -10000	54.00	3
*902 - 928	94.00	3

Note:

(1) The tighter limit applies at the band edges.

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

(3) *Note: This is the limit for the fundamental frequency.

LIMITS OF RADIATED EMISSION MEASUREMENT (FCC 15.249)

Frequency of Emission (MHz)	Field Strength of fundamental ((millivolts /meter)	Field Strength of Harmonics (microvolts/meter)
902-928	50	500

Notes:

(1) Emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 50 dB below the level of the fundamental or to the general radiated emission limits in Section 15.209, whichever is the lesser attenuation.

Spectrum Parameter	Setting
Attenuation	Auto
Start Frequency	1000 MHz
Stop Frequency	10th carrier harmonic
RB / VB (emission in restricted band)	1MHz / 1MHz for Peak

Receiver Parameter	Setting
Attenuation	Auto
Start ~ Stop Frequency	9kHz~150kHz / RB 200Hz for QP
Start ~ Stop Frequency	150kHz~30MHz / RB 9kHz for QP
Start ~ Stop Frequency	30MHz~1000MHz / RB 120kHz for QP

3.4.2 TEST PROCEDURE

a. The measuring distance of at 3 m shall be used for measurements at frequency up to 1GHz. For frequencies above 1GHz, any suitable measuring distance may be used.
b. The EUT was placed on the top of a rotating table 0.8 m for below 1GHz and 1.5m for above 1GHz the ground at a 3 meter. The table was rotated 360 degrees to determine the position of the highest radiation.
c. The height of the equipment or of the substitution antenna shall be 0.8 m for below 1GHz and 1.5m for above 1GHz; the height of the test antenna shall vary between 1 m to 4 m. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
d. The initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
e. If the Peak Mode measured value compliance with and lower than Quasi Peak Mode Limit, the EUT shall be deemed to meet QP Limits and then no additional QP Mode measurement performed.
f. For the actual test configuration, please refer to the related Item –EUT Test Photos.

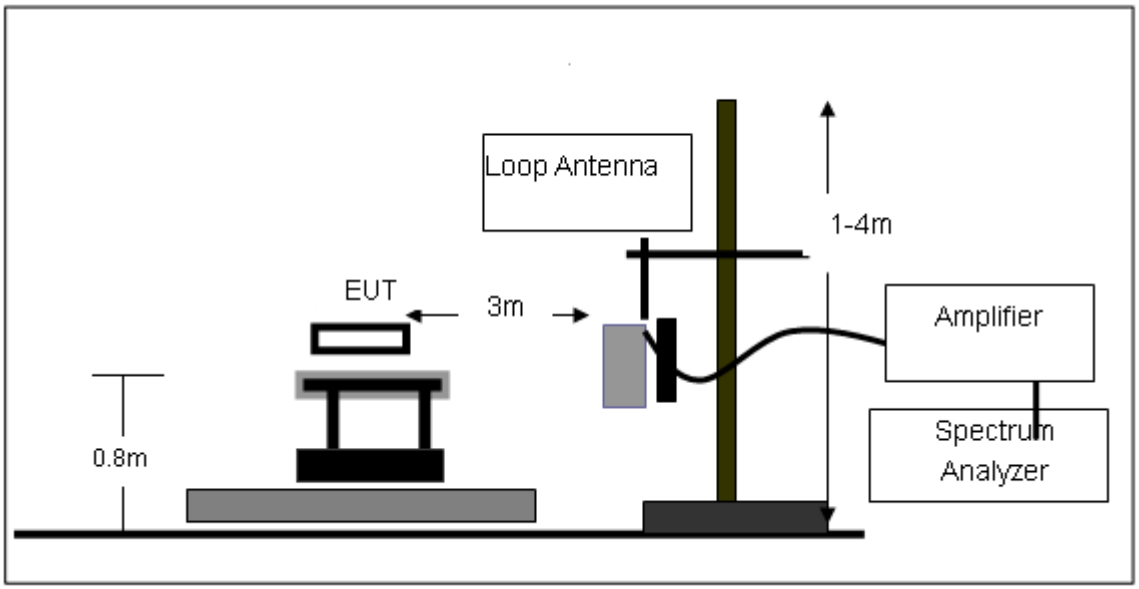
Note:

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

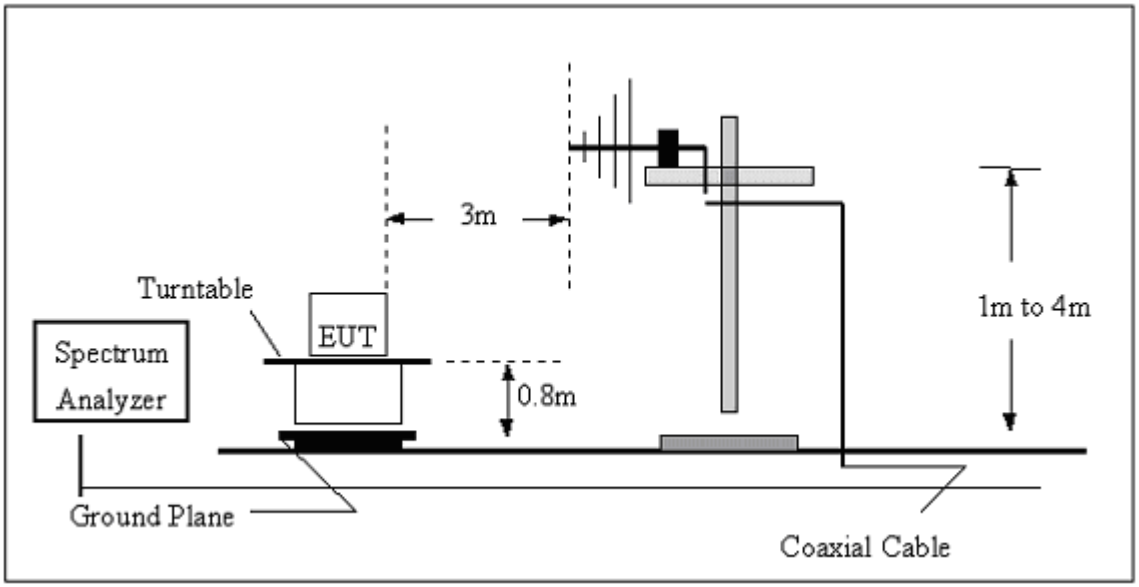
3.4.3 DEVIATION FROM TEST STANDARD

No deviation

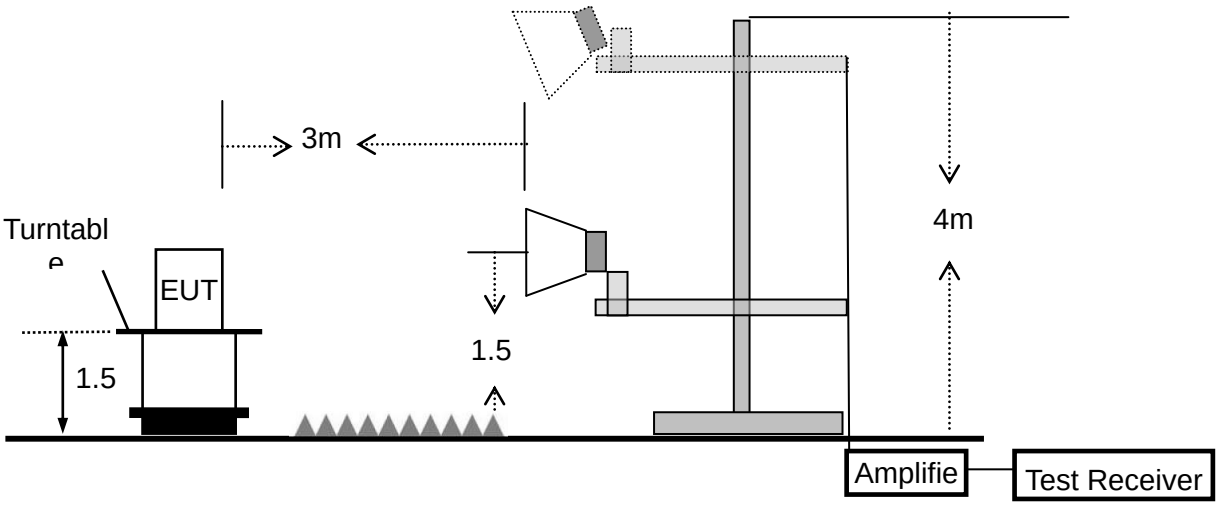
（A）Radiated Emission Test-Up Frequency Below 30MHz



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



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



3.4.4 TEST RESULTS (BELOW 30MHz)

EUT：	Electronic tablet	Model Name. ：	730
Temperature：	20 ℃	Relative Humidtity：	48%
Pressure：	1010 hPa	Test Voltage ：	DC 3.7V from battery
Test Mode ：	TX	Polarization :	--

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

NOTE:

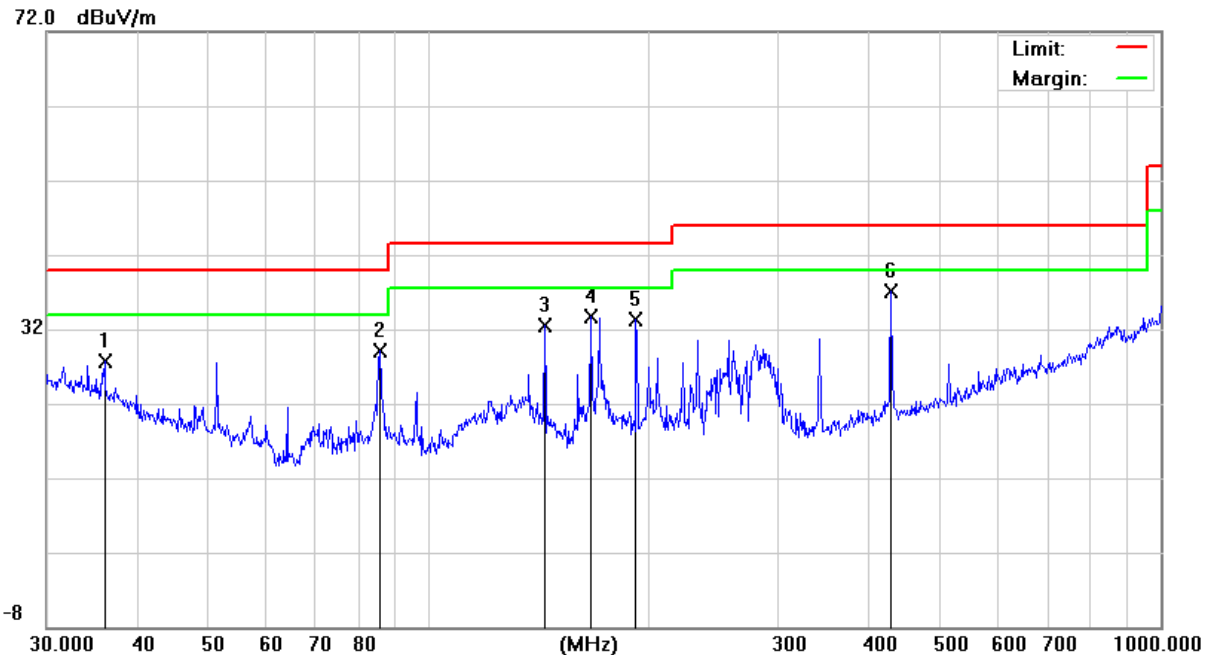
The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.
Distance extrapolation factor =20 log (specific distance/test distance)(dB);
Limit line = specific limits(dBuv) + distance extrapolation factor.

3.4.5 TEST RESULTS (BELOW 1000 MHz)

EUT：	Electronic tablet	Model Name ：	730
Temperature：	25 ℃	Relative Humidity：	51%
Pressure：	1010 hPa	Test Voltage ：	DC 3.7V from battery
Test Mode ：	Model 1	Polarization :	Vertical

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
36.0007	9.29	18.47	27.76	40.00	-12.24	QP
85.5977	17.98	11.21	29.19	40.00	-10.81	QP
143.8295	21.21	11.36	32.57	43.50	-10.93	QP
166.6514	21.17	12.53	33.70	43.50	-9.80	QP
191.7450	20.30	13.08	33.38	43.50	-10.12	QP
428.0193	20.44	16.66	37.10	46.00	-8.90	QP

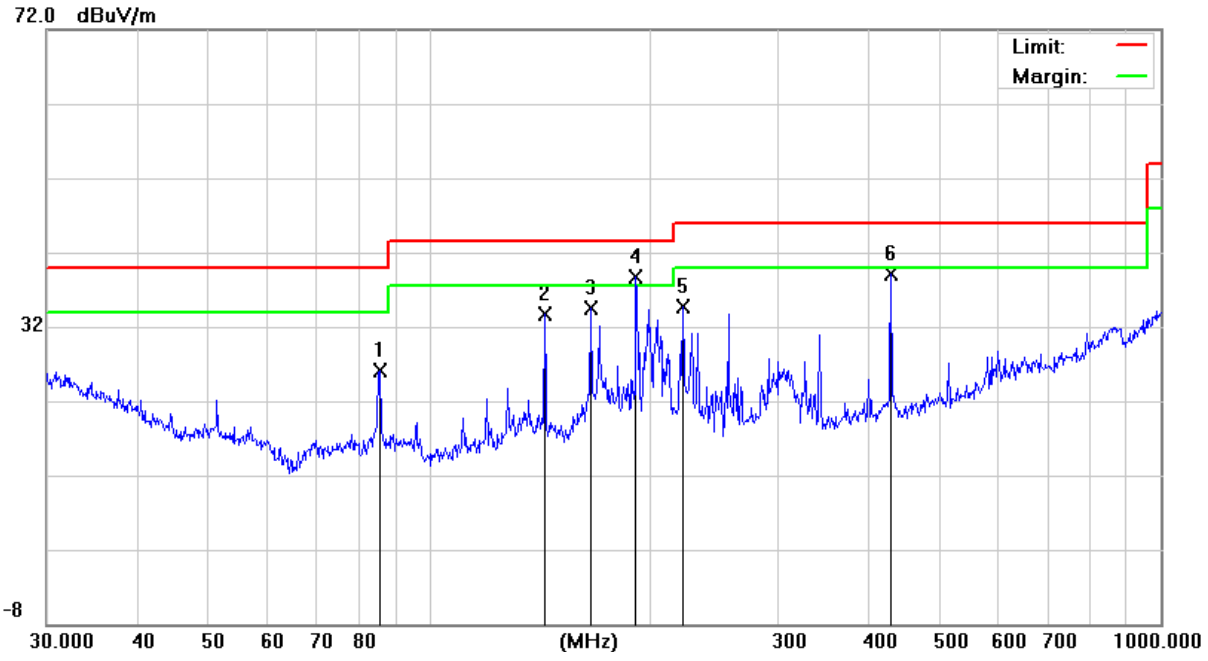
Remark:
1. Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT：	Electronic tablet	Model Name ：	730
Temperature：	25 ℃	Relative Humidity：	51%
Pressure：	1010 hPa	Test Voltage ：	DC 3.7V from battery
Test Mode ：	Model 1	Polarization :	Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
85.5977	14.95	11.21	26.16	40.00	-13.84	QP
143.8295	22.30	11.36	33.66	43.50	-9.84	QP
166.6514	21.88	12.53	34.41	43.50	-9.09	QP
191.7450	25.61	13.08	38.69	43.50	-4.81	QP
222.1698	22.41	12.20	34.61	46.00	-11.39	QP
428.0193	22.36	16.66	39.02	46.00	-6.98	QP

Remark:
1. Factor = Antenna Factor + Cable Loss – Pre-amplifier.

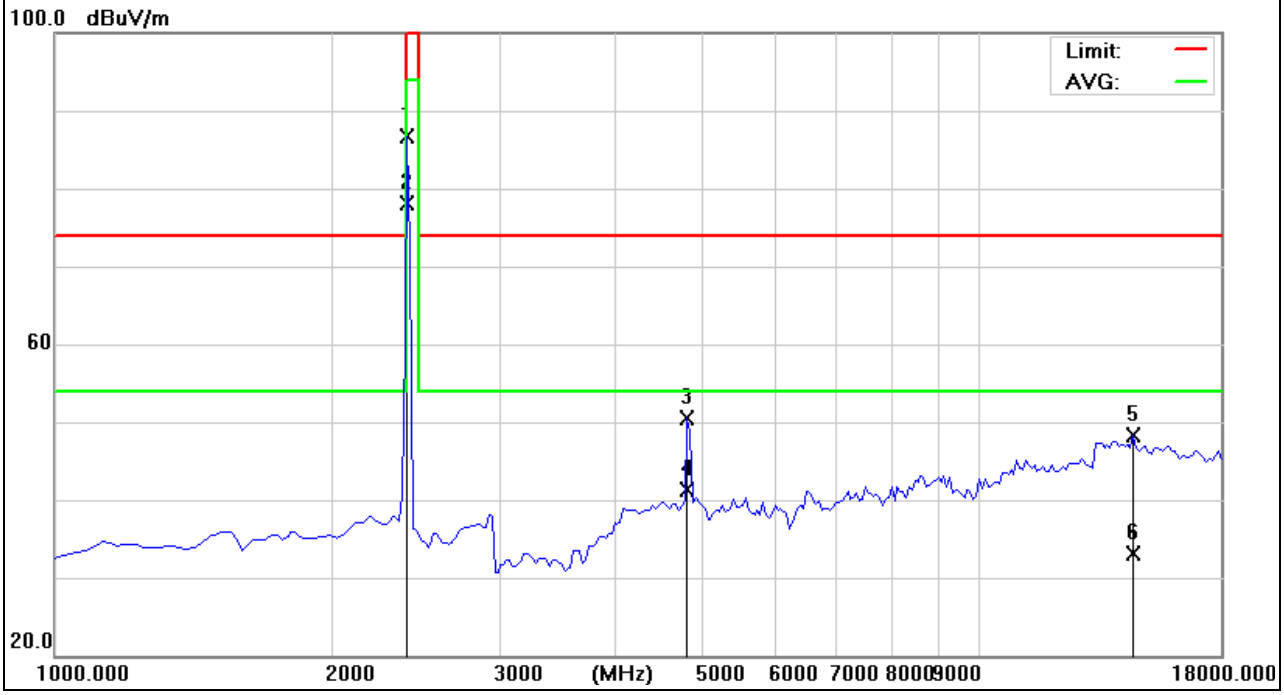


3.4.6 TEST RESULTS (ABOVE 1000 MHZ)

EUT：	Electronic tablet	Model Name ：	730
Temperature：	25 ℃	Relative Humidity：	51%
Pressure：	1010 hPa	Test Voltage ：	DC 3.7V from battery
Test Mode ：	Model 1	Polarization：	Horizontal

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
2406.000	89.32	-2.57	86.75	114.00	-27.25	peak
2406.000	80.59	-2.57	78.02	94.00	-15.98	AVG
4825.000	45.67	4.75	50.42	74.00	-23.58	peak
4825.000	36.57	4.75	41.32	54.00	-12.68	AVG
14557.500	0.16	48.19	48.35	74.00	-25.65	peak
14557.500	-15.07	48.19	33.12	54.00	-20.88	AVG

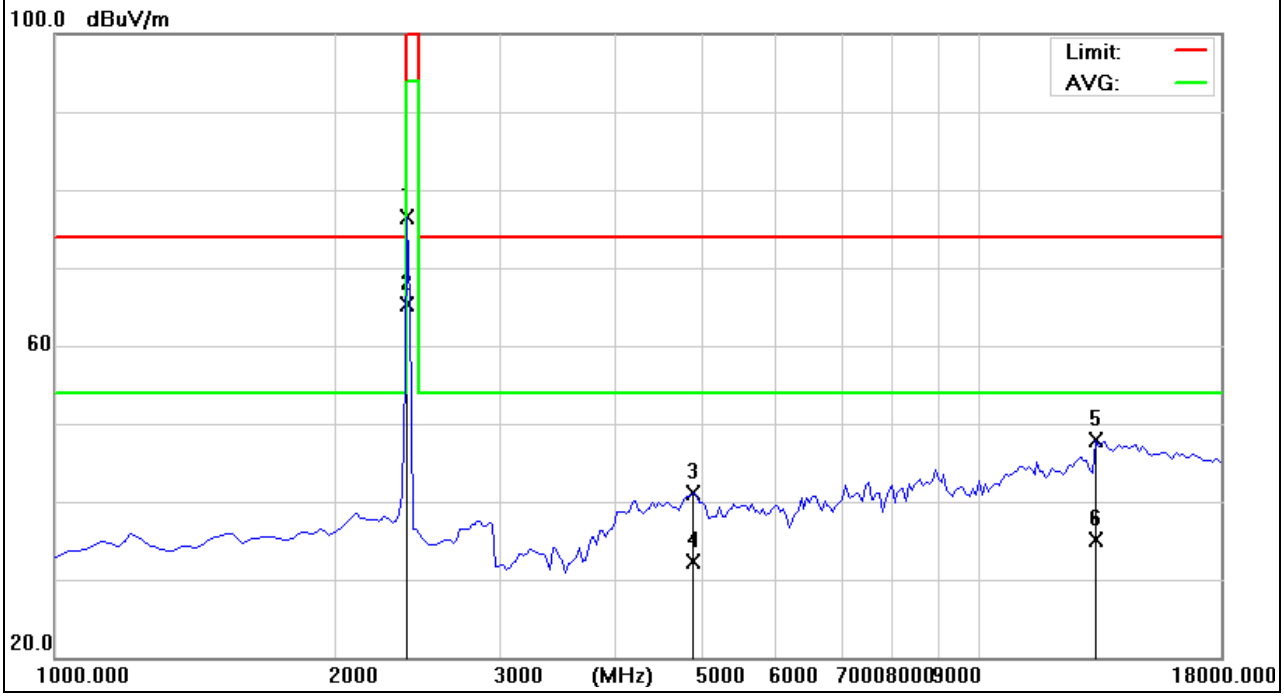
Remark:
Factor = Antenna Factor + Cable Loss – Pre-amplifier.
No emission above 18GHz.



EUT：	Electronic tablet	Model Name ：	730
Temperature：	25 ℃	Relative Humidity：	51%
Pressure：	1010 hPa	Test Voltage ：	DC 3.7V from battery
Test Mode ：	Model 1	Polarization：	Vertical

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2406.000	79.09	-2.57	76.52	114.00	-37.48	peak
2406.000	67.82	-2.57	65.25	94.00	-28.75	AVG
4867.500	36.09	4.93	41.02	74.00	-32.98	peak
4867.500	27.39	4.93	32.32	54.00	-21.68	AVG
13282.500	0.84	46.98	47.82	74.00	-26.18	peak
13282.500	-11.86	46.98	35.12	54.00	-18.88	AVG

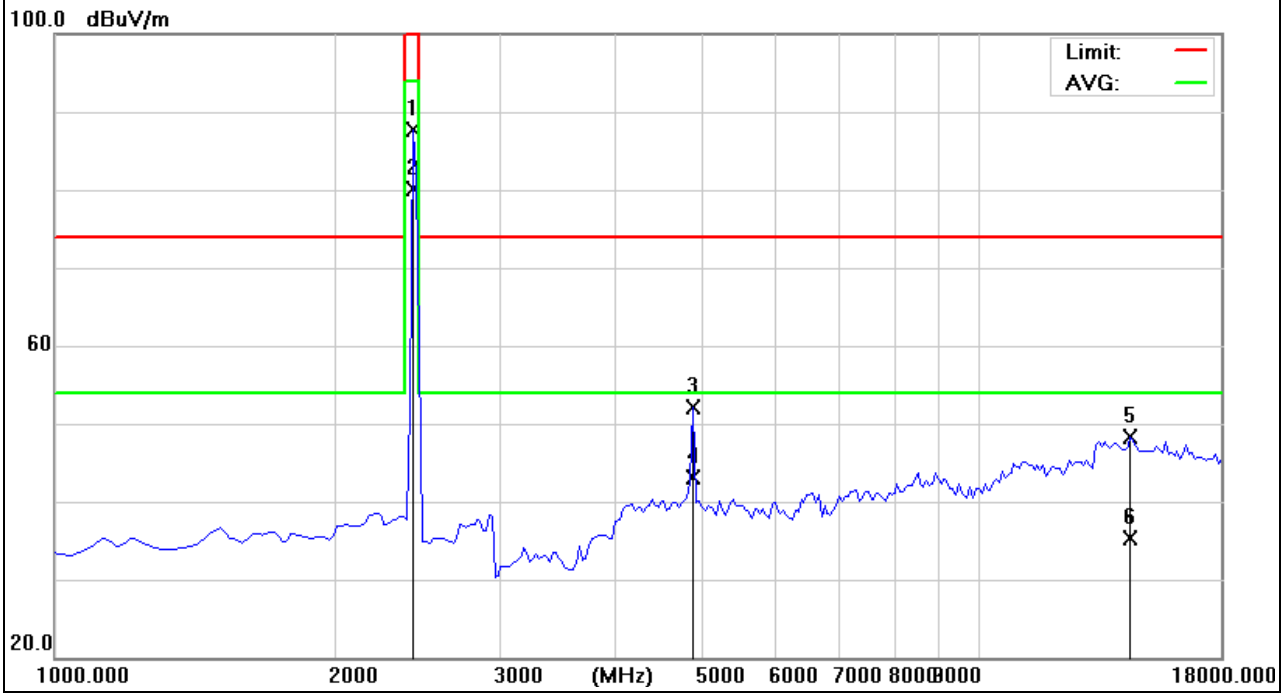
Remark:
Factor = Antenna Factor + Cable Loss – Pre-amplifier.
No emission above 18GHz.



EUT：	Electronic tablet	Model Name ：	730
Temperature：	25 ℃	Relative Humidity：	51%
Pressure：	1010 hPa	Test Voltage ：	DC 3.7V from battery
Test Mode ：	Model 2	Polarization：	Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2439.000	91.14	-3.36	87.78	114.00	-26.22	peak
2439.000	83.48	-3.36	80.12	94.00	-13.88	AVG
4867.500	47.24	4.93	52.17	74.00	-21.83	peak
4867.500	38.08	4.93	43.01	54.00	-10.99	AVG
14472.500	0.05	48.22	48.27	74.00	-25.73	peak
14472.500	-12.97	48.22	35.25	54.00	-18.75	AVG

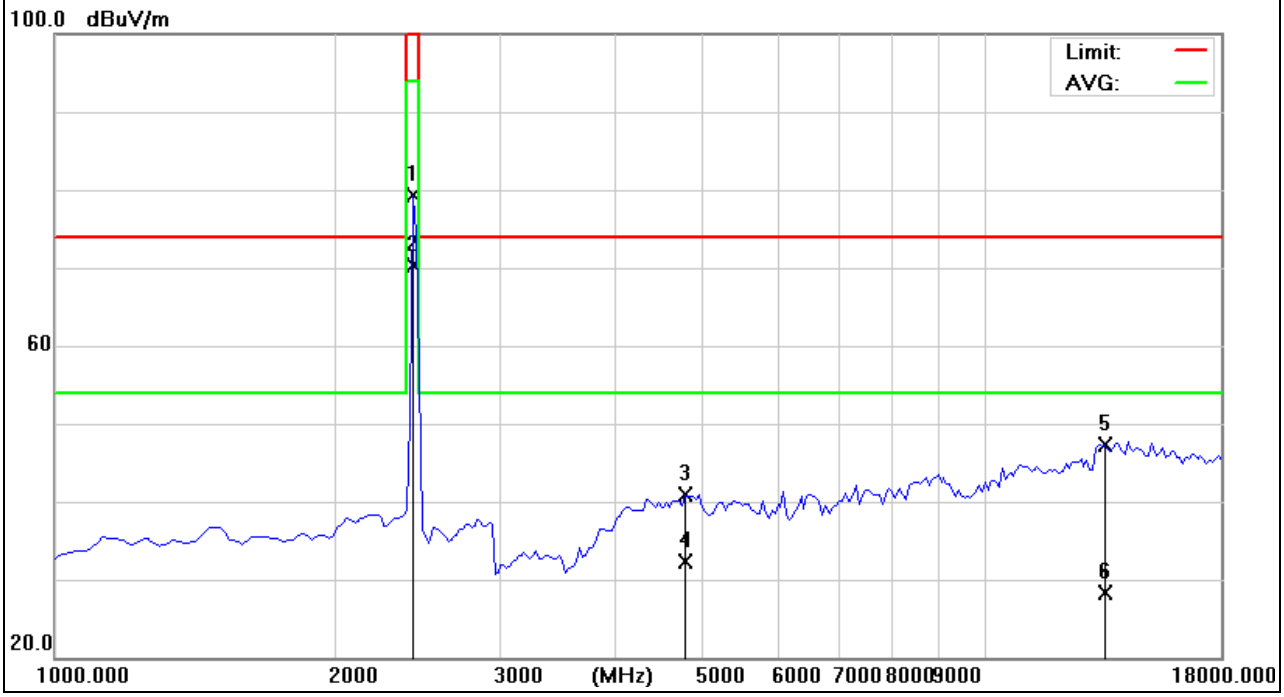
Remark:
Factor = Antenna Factor + Cable Loss – Pre-amplifier.
No emission above 18GHz.



EUT：	Electronic tablet	Model Name ：	730
Temperature：	25 ℃	Relative Humidity：	51%
Pressure：	1010 hPa	Test Voltage ：	DC 3.7V from battery
Test Mode ：	Model 2	Polarization：	Vertical

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2439.000	82.68	-3.36	79.32	114.00	-34.68	peak
2439.000	73.62	-3.36	70.26	94.00	-23.74	AVG
4782.500	36.44	4.52	40.96	74.00	-33.04	peak
4782.500	27.83	4.52	32.35	54.00	-21.65	AVG
13495.000	-0.16	47.56	47.40	74.00	-26.60	peak
13495.000	-19.31	47.56	28.25	54.00	-25.75	AVG

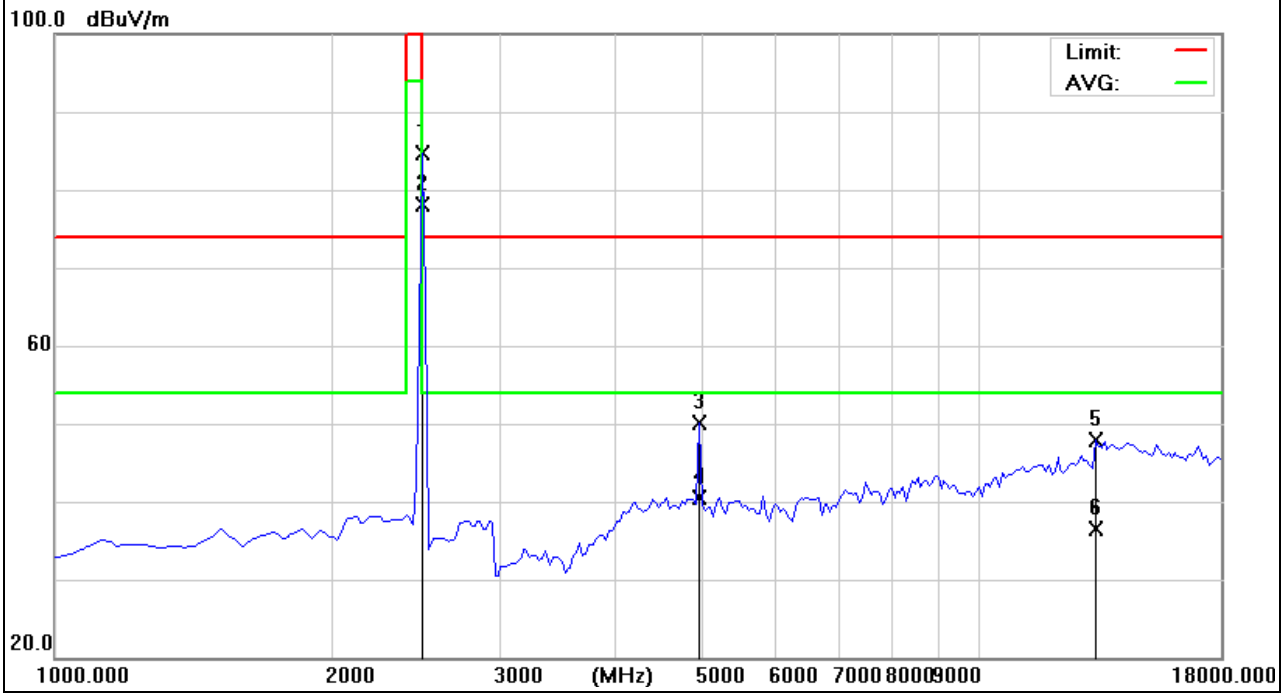
Remark:
Factor = Antenna Factor + Cable Loss – Pre-amplifier.
No emission above 18GHz.



EUT：	Electronic tablet	Model Name ：	730
Temperature：	20 ℃	Relative Humidity：	48%
Pressure：	1010 hPa	Test Voltage ：	DC 3.7V from battery
Test Mode ：	Model 3	Polarization：	Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2475.000	89.21	-4.57	84.64	114.00	-29.36	peak
2475.000	82.59	-4.57	78.02	94.00	-15.98	AVG
4952.500	45.03	5.02	50.05	74.00	-23.95	peak
4952.500	35.50	5.02	40.52	54.00	-13.48	AVG
13282.500	1.02	46.98	48.00	74.00	-26.00	peak
13282.500	-10.41	46.98	36.57	54.00	-17.43	AVG

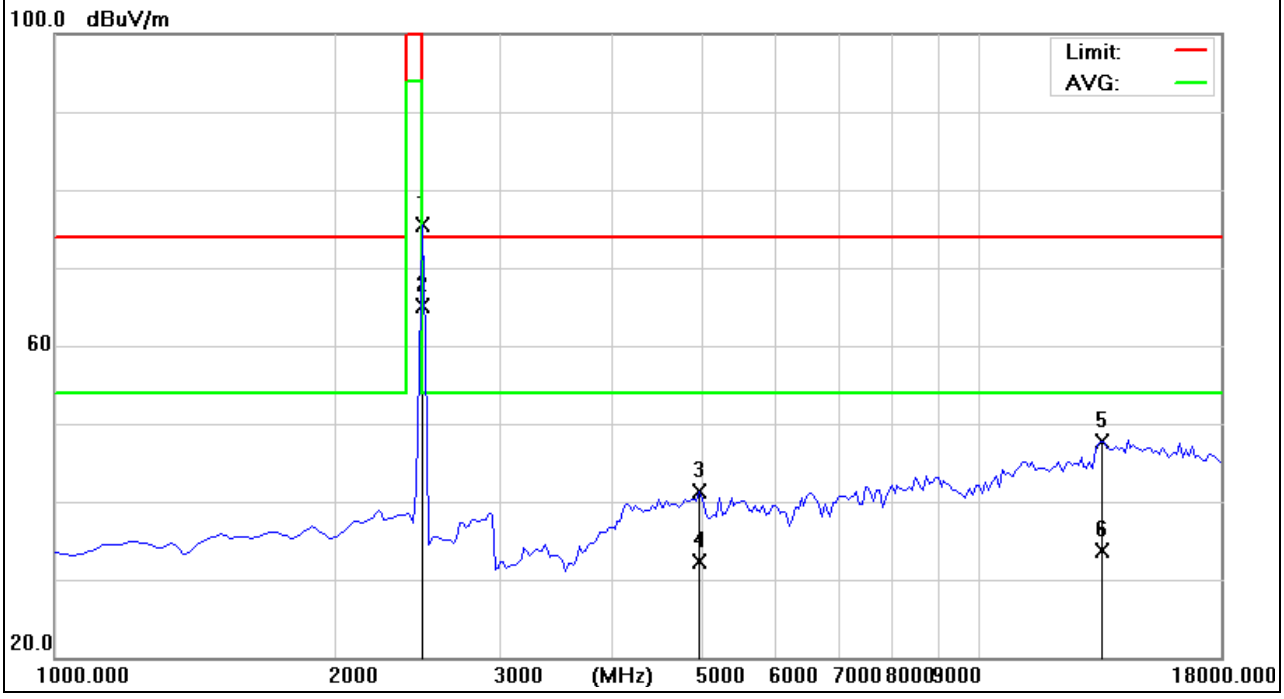
Remark:
Factor = Antenna Factor + Cable Loss – Pre-amplifier.
No emission above 18GHz.



EUT：	Electronic tablet	Model Name ：	730
Temperature：	25 ℃	Relative Humidity：	51%
Pressure：	1010 hPa	Test Voltage ：	DC 3.7V from battery
Test Mode ：	Model 3	Polarization：	Vertical

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
2475.000	80.02	-4.57	75.45	114.00	-38.55	peak
2475.000	69.69	-4.57	65.12	94.00	-28.88	AVG
4952.500	36.20	5.02	41.22	74.00	-32.78	peak
4952.500	27.34	5.02	32.36	54.00	-21.64	AVG
13410.000	0.40	47.27	47.67	74.00	-26.33	peak
13410.000	-13.58	47.27	33.69	54.00	-20.31	AVG

Remark:
Factor = Antenna Factor + Cable Loss – Pre-amplifier.
No emission above 18GHz.



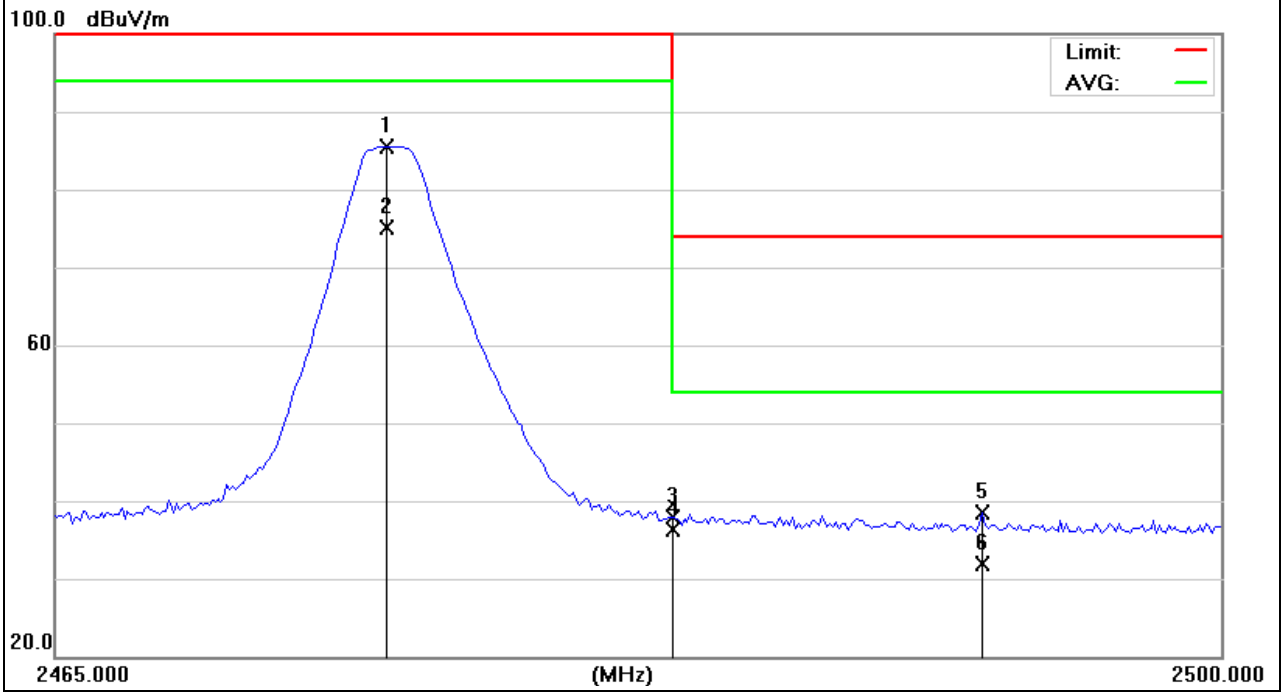
Note: EUT Pre-scan X/Y/Z orientation, only worst case is presented in the report(X orientation).

3.4.7 TEST RESULTS (RESTRICTED BANDS REQUIREMENTS)

EUT：	Electronic tablet	Model Name ：	730
Temperature：	25 ℃	Relative Humidity：	51%
Pressure：	1010 hPa	Test Voltage ：	DC 3.7V from battery
Test Mode ：	TX-2475MHz	Polarization :	Horizontal

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
2475.000	85.61	-0.03	85.58	114.00	-28.42	peak
2475.000	75.05	-0.03	75.02	94.00	-18.98	AVG
2483.500	38.21	-0.34	37.87	74.00	-36.13	peak
2483.500	36.62	-0.34	36.28	54.00	-17.72	AVG
2492.825	39.14	-0.68	38.46	74.00	-35.54	peak
2492.825	32.68	-0.68	32.00	54.00	-22.00	AVG

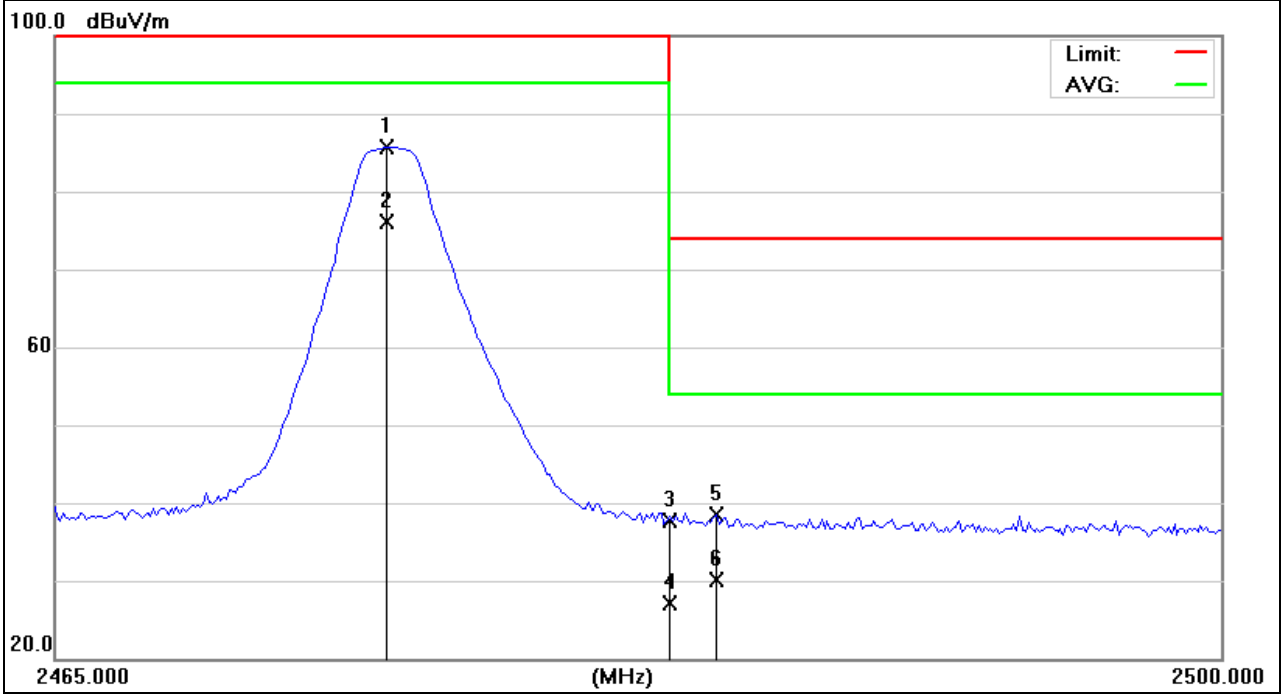
Remark:
Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT：	Electronic tablet	Model Name ：	730
Temperature：	25 ℃	Relative Humidity：	51%
Pressure：	1010 hPa	Test Voltage ：	DC 3.7V from battery
Test Mode ：	TX-2475MHz	Polarization：	Vertical

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2475.000	85.70	-0.03	85.67	114.00	-28.33	peak
2475.000	76.05	-0.03	76.02	94.00	-17.98	AVG
2483.500	38.10	-0.34	37.76	74.00	-36.24	peak
2483.500	27.45	-0.34	27.11	54.00	-26.89	AVG
2484.863	38.92	-0.40	38.52	74.00	-35.48	peak
2484.863	30.54	-0.40	30.14	54.00	-23.86	AVG

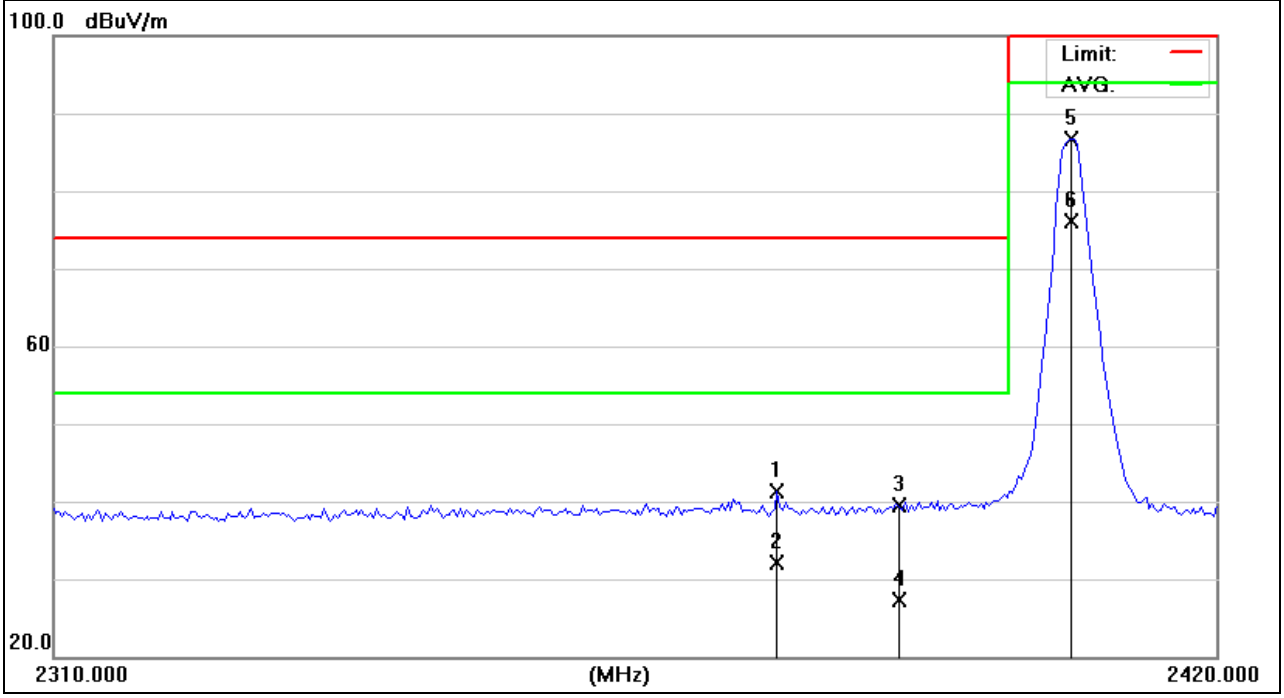
Remark:
Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT：	Electronic tablet	Model Name ：	730
Temperature：	25 ℃	Relative Humidity：	51%
Pressure：	1010 hPa	Test Voltage ：	DC 3.7V from battery
Test Mode ：	TX-2406MHz	Polarization：	Horizontal

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
2377.925	39.44	1.85	41.29	74.00	-32.71	peak
2377.925	30.17	1.85	32.02	54.00	-21.98	AVG
2390.000	37.45	1.97	39.42	74.00	-34.58	peak
2390.000	25.36	1.97	27.33	54.00	-26.67	AVG
2406.000	84.88	1.92	86.80	114.00	-27.20	peak
2406.000	74.23	1.92	76.15	94.00	-17.85	AVG

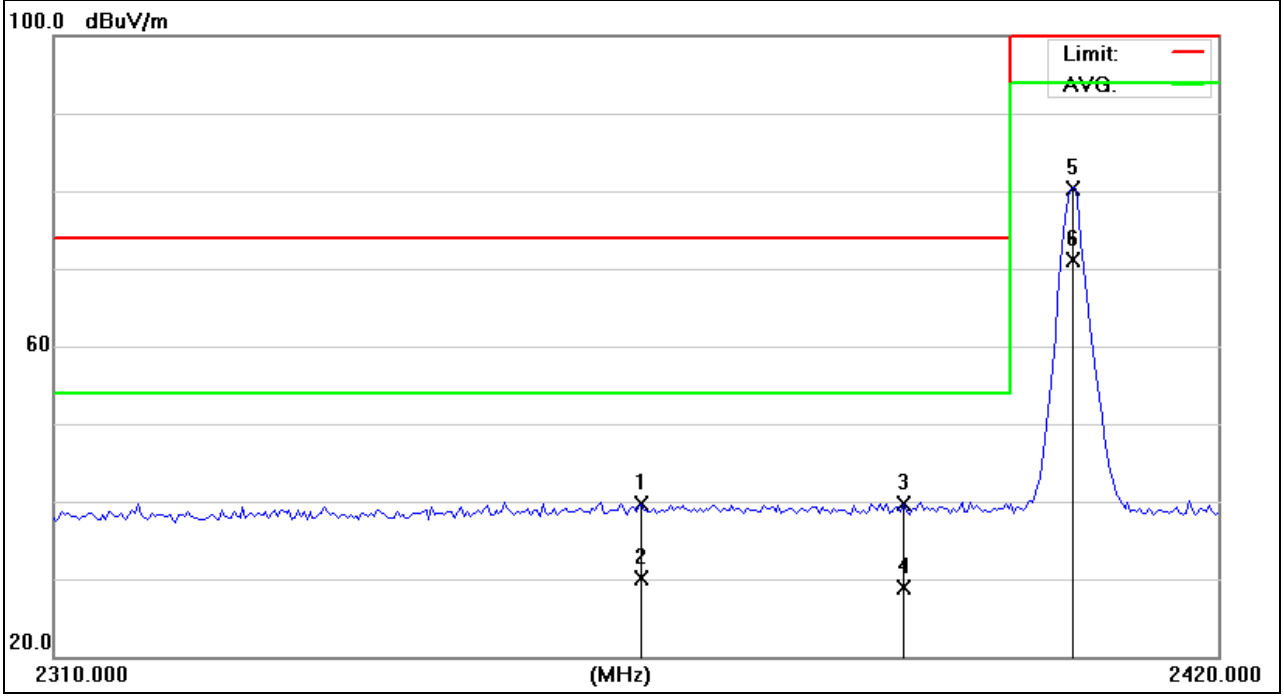
Remark:
Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT：	Electronic tablet	Model Name ：	730
Temperature：	25 ℃	Relative Humidity：	51%
Pressure：	1010 hPa	Test Voltage ：	DC 3.7V from battery
Test Mode ：	TX-2406MHz	Polarization：	Vertical

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
2365.00	38.01	1.73	39.74	74.00	-34.26	peak
2365.00	28.37	1.73	30.10	54.00	-23.90	AVG
2390.00	37.81	1.97	39.78	74.00	-34.22	peak
2390.00	26.93	1.97	28.90	54.00	-25.10	AVG
2406.00	78.43	1.92	80.35	114.00	-33.65	peak
2406.00	69.28	1.92	71.20	94.00	-22.80	AVG

Remark:
Factor = Antenna Factor + Cable Loss – Pre-amplifier.



4. FREQUENCY TOLERANCE

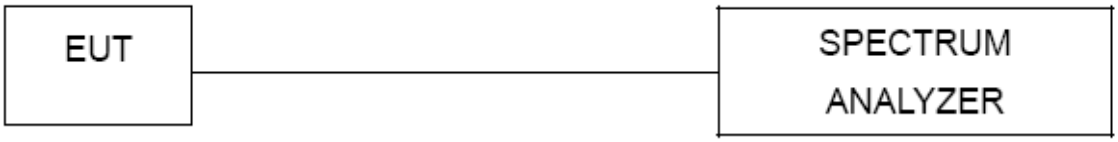
4.1 FREQUENCY TOLERANCE LIMITS

The frequency tolerance of the carrier signal shall be maintained within ±0.001% of the operating frequency over a temperature variation of −20 degrees to +50 degrees C at normal supply voltage, and for a variation in the primary supply voltage from 85% to 115% of the rated supply voltage at a temperature of 20 degrees C.

4.2TEST PROCEDURE

a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below,
b. Spectrum Setting : RBW= 10KHz, VBW≧RBW, Sweep time = Auto.

4.3 TEST SETUP



4.4 TEST RESULTS

EUT：	Electronic tablet	Model Name ：	730
Temperature：	26 ℃	Relative Humidity：	53%
Pressure：	1020 hPa	Test Power ：	DC 3.7V from battery
Test Mode ：	Model 1/2/3		

2406MHz

Voltage (V)	Frequency(MHz)	Reading(MHz)	Frequency Tolerance	LIMIT
3.145	2406	2406.004	0.000166%	±0.001%
3.7	2406	2406.002	0.000083%	±0.001%
4.255	2406	2406.005	0.000208%	±0.001%

Temperature (℃)	Frequency(MHz)	Reading(MHz)	Frequency Tolerance	LIMIT
-20	2406	2406.003	0.000125%	±0.001%
-10	2406	2406.005	0.000208%	±0.001%
0	2406	2406.001	0.000042%	±0.001%
10	2406	2406.003	0.000125%	±0.001%
20	2406	2406.002	0.000083%	±0.001%
30	2406	2406.005	0.000208%	±0.001%
40	2406	2406.007	0.000291%	±0.001%
50	2406	2406.002	0.000083%	±0.001%

2439MHz

Voltage (V)	Frequency(MHz)	Reading(MHz)	Frequency Tolerance	LIMIT
3.145	2439	2439.005	0.000205%	±0.001%
3.7	2439	2439.002	0.000082%	±0.001%
4.255	2439	2439.001	0.000041%	±0.001%

Temperature (℃)	Frequency(MHz)	Reading(MHz)	Frequency Tolerance	LIMIT
-20	2439	2439.003	0.000123%	±0.001%
-10	2439	2439.002	0.000082%	±0.001%
0	2439	2439.001	0.000041%	±0.001%
10	2439	2439.006	0.000246%	±0.001%
20	2439	2439.005	0.000205%	±0.001%
30	2439	2439.003	0.000123%	±0.001%
40	2439	2439.007	0.000287%	±0.001%
50	2439	2439.004	0.000164%	±0.001%

2475MHz

Voltage (V)	Frequency(MHz)	Reading(MHz)	Frequency Tolerance	LIMIT
3.145	2475	2475.005	0.000202%	±0.001%
3.7	2475	2475.003	0.000121%	±0.001%
4.255	2475	2475.001	0.000040%	±0.001%

Temperature (℃)	Frequency(MHz)	Reading(MHz)	Frequency Tolerance	LIMIT
-20	2475	2475.001	0.000040%	±0.001%
-10	2475	2475.006	0.000242%	±0.001%
0	2475	2475.003	0.000121%	±0.001%
10	2475	2475.008	0.000323%	±0.001%
20	2475	2475.002	0.000081%	±0.001%
30	2475	2475.004	0.000162%	±0.001%
40	2475	2475.003	0.000121%	±0.001%
50	2475	2475.004	0.000162%	±0.001%

5. BANDWIDTH TEST

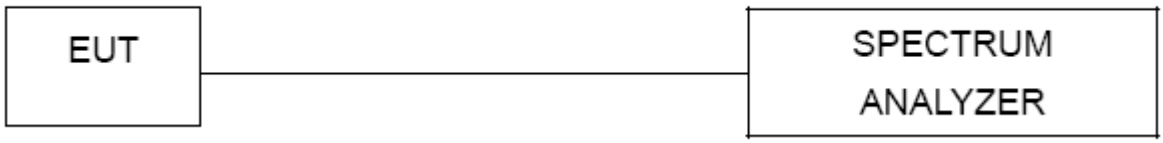
5.1 TEST PROCEDURE

a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below,
b. Spectrum Setting : RBW= 100KHz, VBW≧RBW, Sweep time = Auto.

5.1 DEVIATION FROM STANDARD

No deviation.

5.1 TEST SETUP

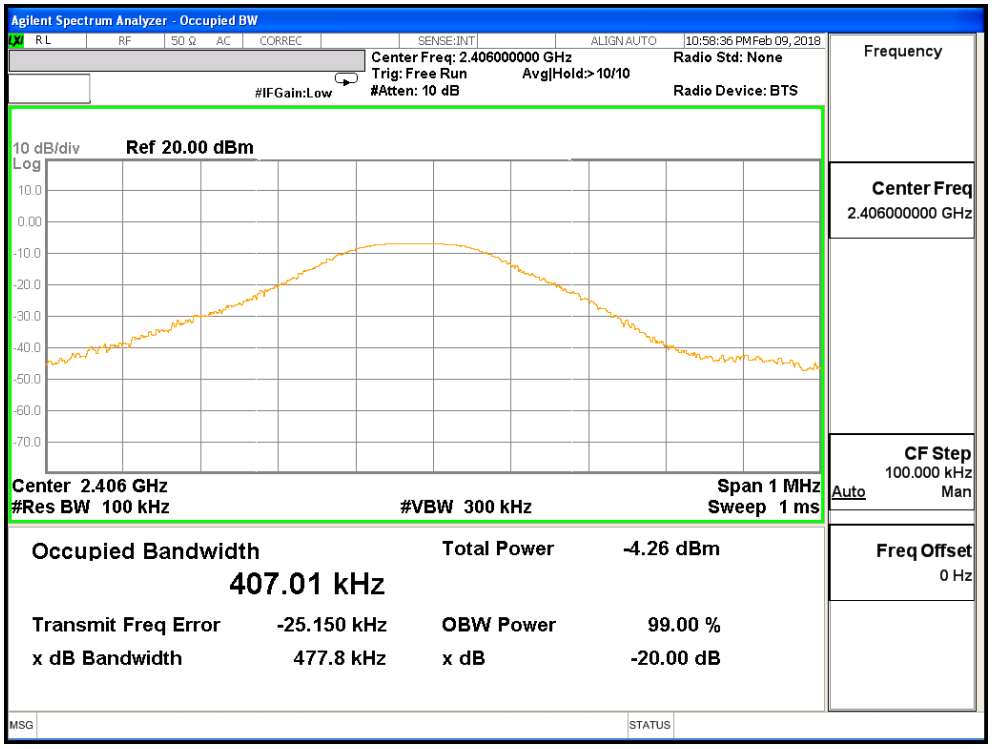


6. TEST RESULTS

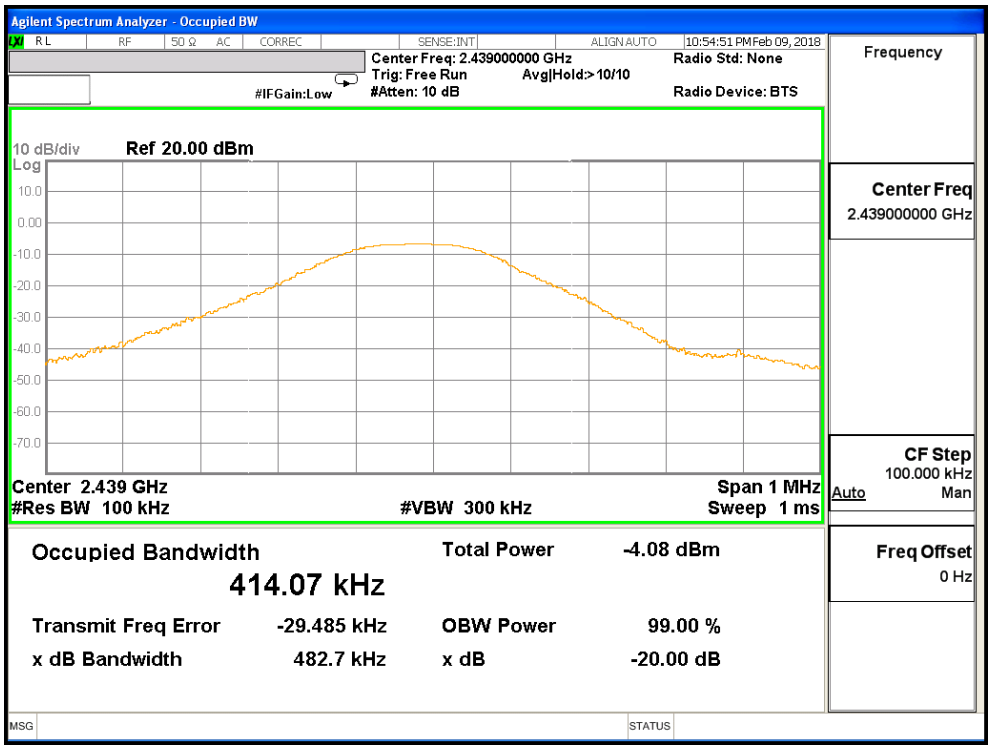
EUT：	Electronic tablet	Model Name ：	730
Temperature：	26 ℃	Relative Humidity：	53%
Pressure：	1020 hPa	Test Power ：	DC 3.7V from battery
Test Mode ：	Model 1/2/3		

Test Channel	Frequency (MHz)	20 dBc Bandwidth (MHz)
CH01	2406	0.4778
CH34	2439	0.4827
CH70	2475	0.4927

2406 MHz



2439 MHz



2475 MHz