

FCC Radio Test Report

FCC ID: EROTSW-760

This report concerns (check one): ☒ Original Grant ☐ Class II Change

Project No. : 1605105
Equipment : 7-inch Touch Screen
Test Model : TSW-760
Serial Model : TSW-760-B-S, TSW-760-W-S,
TSW-760-NC-B-S, TSW-760-NC-W-S
B: Black; W: White; NC: No Camera; S: Smooth
Applicant : Crestron Electronics Inc.
Address : 15 Volvo Drive, Rockleigh, NJ 07647

Date of Receipt : May 12, 2016
Date of Test : May 12, 2016 ~ Jun. 02, 2016
Issued Date : Jun. 03, 2016
Tested by : BTL Inc.

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REPORT ISSUED HISTORY

Issued No.	Description	Issued Date
BTL-FCCP-2-1605105	Original Issue.	Jun. 03, 2016

1. CERTIFICATION

Equipment	: 7-inch Touch Screen
Brand Name	: Crestron Electronics, Inc.
Test Model	: TSW-760
Serial Model	: TSW-760-B-S, TSW-760-W-S, TSW-760-NC-B-S, TSW-760-NC-W-S B: Black; W: White; NC: No Camera; S: Smooth
Applicant	: Crestron Electronics Inc.
Manufacturer	: Crestron Electronics Inc.
Address	: 15 Volvo Drive, Rockleigh, NJ 07647
Factory	: Jabil Circuit De Mexico S De R L De C V
Address	: Ave Valdepenas 1993 LOMAS DE ZAPOPAN Zapopan JAL
Date of Test	: May 12, 2016 ~ Jun. 02, 2016
Test Sample	: Engineering Sample
Standard(s)	: FCC Part15, Subpart C (15.247) / ANSI C63.10-2013

The above equipment has been tested and found compliance with the requirement of the relative standards by BTL Inc.

The test data, data evaluation, and equipment configuration contained in our test report (Ref No. BTL-FCCP-2-1605105) were obtained utilizing the test procedures, test instruments, test sites that has been accredited by the Authority of TAF according to the ISO-17025 quality assessment standard and technical standard(s).

2. SUMMARY OF TEST RESULTS

Test procedures according to the technical standard(s):

Applied Standard(s): FCC Part15 (15.247) , Subpart C				
Standard(s)	Section	Test Item	Judgment	Remark
	15.207	Conducted Emission	PASS	
	15.247(d)	Antenna conducted Spurious Emission	PASS	
	15.247(a)(2)	6dB Bandwidth	PASS	
	15.247(b)(3)	Peak Output Power	PASS	
	15.247(e)	Power Spectral Density	PASS	
	15.203	Antenna Requirement	PASS	
	15.209/15.205	Transmitter Radiated Emissions	PASS	

NOTE:

(1) "N/A" denotes test is not applicable to this device.

(2) The test follows FCC KDB Publication No. 558074 D01 DTS Meas Guidance v03r05 (Measurement Guidelines of DTS)

2.1 TEST FACILITY

The test facilities used to collect the test data in this report:

Conducted emission Test:

C05: (VCCI RN: C-4742; FCC RN:949005; FCC DN:TW1082)
No. 68-1, Ln. 169, Sec.2, Datong Rd., Xizhi Dist., New Taipei City 221, Taiwan

Radiated emission Test (Below 1GHz):

CB11: (VCCI RN: R-4260; FCC RN:949005; FCC DN:TW1082; IC Assigned Code:20088)
No. 68-1, Ln. 169, Sec.2, Datong Rd., Xizhi Dist., New Taipei City 221, Taiwan

Radiated emission Test (Above 1GHz):

CB11: (VCCI RN: G-868; FCC RN:949005; FCC DN:TW1082; IC Assigned Code:20088)
No. 68-1, Ln. 169, Sec.2, Datong Rd., Xizhi Dist., New Taipei City 221, Taiwan

2.2 MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2.

The BTL measurement uncertainty is less than the CISPR 16-4-2 U_{CISPR} requirement.

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 %.

A. Conducted Measurement :

Test Site	Method	Measurement Frequency Range	U, (dB)
C05	CISPR	150 kHz~30MHz	2.04

B. Radiated Measurement :

Test Site	Method	Measurement Frequency Range	U, (dB)
CB11 (3m)	CISPR	9kHz ~ 150kHz	4.00
		150kHz ~ 30MHz	4.00

Test Site	Method	Measurement Frequency Range	Ant. H / V	U, (dB)
CB11 (3m)	CISPR	30 MHz ~ 200 MHz	V	3.06
		30 MHz ~ 200 MHz	H	2.58
		200 MHz ~ 1, 000 MHz	V	3.50
		200 MHz ~ 1, 000 MHz	H	3.10

Test Site	Method	Measurement Frequency Range	Ant. H / V	U, (dB)
CB11 (3m)	CISPR	1GHz ~ 6GHz	V	4.14
		1GHz ~ 6GHz	H	4.14

Test Site	Method	Measurement Frequency Range	Ant. H / V	U, (dB)
CB11 (1m)	CISPR	6GHz ~ 18GHz	V	5.34
		6GHz ~ 18GHz	H	5.34

C. Other Measurement :

Test Item	Uncertainty
Conducted Spurious Emission	2.5 dB
6dB Bandwidth	53.58 Hz
Peak Output Power	0.85 dB
Power Spectral Density	1.2 dB
Temperature	1°C
Humidity	5%

Note: Unless specifically mentioned, the uncertainty of measurement has not been taken into account to declare the compliance or non-compliance to the specification.

Our calculated Measurement Instrumentation Uncertainty is shown in the tables above. These are our U_{lab} values in CISPR 16-4-2 terminology.

Since Table 1 of CISPR 16-4-2 has values of measurement instrumentation uncertainty, called U_{CISPR} , as follows:

Conducted Disturbance (mains port) – 150 kHz – 30 MHz : 3.6 dB

Radiated Disturbance (electric field strength on an open area test site or alternative test site) – 30 MHz – 1000 MHz : 5.2 dB

It can be seen that our U_{lab} values are smaller than U_{CISPR} .

3. GENERAL INFORMATION

3.1 GENERAL DESCRIPTION OF EUT

Equipment	7-inch Touch Screen		
Brand Name	Crestron Electronics, Inc.		
Test Model	TSW-760		
Serial Model	TSW-760-B-S, TSW-760-W-S, TSW-760-NC-B-S, TSW-760-NC-W-S		
Model Difference	TSW-760 includes four series: TSW-760-B-S, TSW-760-W-S, TSW-760-NC-B-S and TSW-760-NC-W-S. All modes are identical to each other except below: B: Black; W: White; NC: No Camera; S: Smooth		
Product Description	Operation Frequency		2402~2480 MHz
	Modulation Technology		GFSK(1Mbps)
	Bit Rate of Transmitter		
	Output Power (Max.)		5.50dBm (1Mbps)
EUT Power Rating	PoE DC 48V		
CPU Manufacturer	Amlogic	Model	S812 (1.6 GHz)
Memory Manufacturer	Nanya	Model	NT5CC256M16DP-DI (512MB)
Main Board Manufacturer	Olympic	Model	PCB1003120
LCD Manufacturer	Truly	Model	TDA-WSVGA0700H61480
		Model	TDA-WSVGA0700H61479
	EDT	Model	ETML0700N0DH6A
		Model	ETML0700N1DH6A
Camera Manufacturer	Truly	Model	CMA573-B500SA-E
eMMC Manufacturer	Hynix	Model	H26M31001HPR (4 GB)
ROM Manufacturer	Macronix	Model	MX25L1006EMI-10G (1 Mb)
		Model	MX25L4006EM1I-12G (4 Mb)
microSD Manufacturer	Flexon	Model	FDMM008GTTG7-103-11 (8 GB)
	Mfactor	Model	M88K12-15NM (8 GB)

Note:

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

2.

Channel List			
Channel	Frequency (MHz)	Channel	Frequency (MHz)
00	2402	20	2442
01	2404	21	2444
02	2406	22	2446
03	2408	23	2448
04	2410	24	2450
05	2412	25	2452
06	2414	26	2454
07	2416	27	2456
08	2418	28	2458
09	2420	29	2460
10	2422	30	2462
11	2424	31	2464
12	2426	32	2466
13	2428	33	2468
14	2430	34	2470
15	2432	35	2472
16	2434	36	2474
17	2436	37	2476
18	2438	38	2478
19	2440	39	2480

3. Table for Filed Antenna

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	Yageo	Yushan 7	PIFA	IPEX	1.322

3.2 DESCRIPTION OF TEST MODES

To investigate the maximum EMI emission characteristics generated from EUT, the test system was pre-scanning tested based 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	TX Mode NOTE (1)
Mode 2	Bluetooth

The EUT system operated these modes were found to be the worst case during the pre-scanning test as following:

For Conducted Test	
Final Test Mode	Description
Mode 2	Bluetooth

For Radiated Test	
Final Test Mode	Description
Mode 1	TX Mode NOTE (1)

Note:

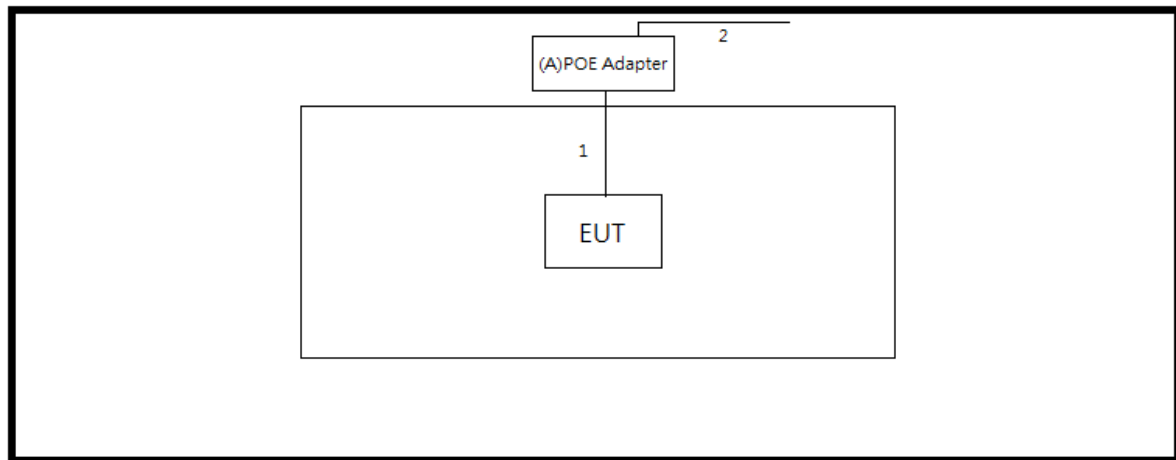
(1) The measurements are performed at the high, middle, low available channels.

3.3 TABLE OF PARAMETERS OF TEST 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 of WLAN

Test Software Version	APuTTY		
Frequency (MHz)	2402	2440	2480
BT LE	DEF	DEF	DEF

3.4 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED



3.5 DESCRIPTION OF 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.

Item	Equipment	Mfr/Brand	Model/Type No.	FCC ID/IC	Series No.
A	POE Adapter	CRESTRON	CEN-SWPOE-1 6	DOC	13178144

Item	Shielded Type	Ferrite Core	Length	Note
1	YES	NO	1.5m	Data Cable
2	NO	NO	1.8m	Power Cable

4. EMC EMISSION TEST

4.1 CONDUCTED EMISSION MEASUREMENT

4.1.1 POWER LINE CONDUCTED EMISSION LIMITS (Frequency Range 150KHz-30MHz)

Frequency of Emission (MHz)	Conducted Limit (dBμV)	
	Quasi-peak	Average
0.15 -0.	66 to 56*	56 to 46*
0 50 -5.0	56	46
5.0 -30.0	60	50

Note:

- (1) The limit of " * " decreases with the logarithm of the frequency
- (2) The test result calculated as following:
 Measurement Value = Reading Level + Correct Factor
 Correct Factor = Antenna Factor + Cable Loss - Amplifier Gain(if use)
 Margin Level = Measurement Value - Limit Value

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

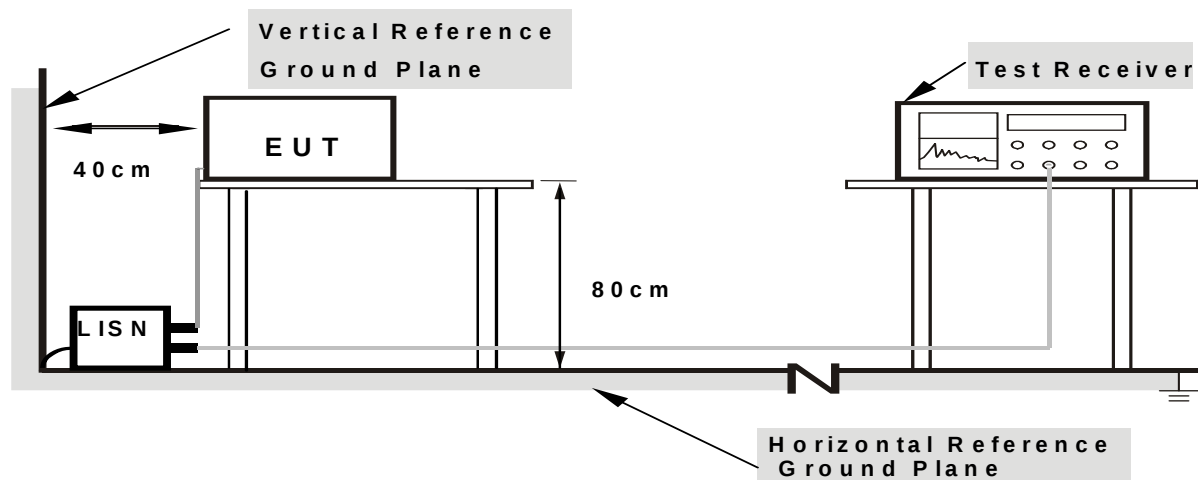
4.1.2 TEST PROCEDURE

- a. The EUT was placed 0.8 meters from the horizontal ground plane with EUT being connected to the power mains through a line impedance stabilization network (LISN). All other support equipment 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.

4.1.3 DEVIATION FROM TEST STANDARD

No deviation

4.1.4 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

4.1.5 EUT OPERATING CONDITIONS

The EUT was configured for testing in a typical function (as a customer would normally use it), EUT was programmed to be in continuously transmitting/receiving data or hopping on mode.

4.1.6 EUT TEST CONDITIONS

Temperature: 25°C
 Relative Humidity: 55%
 Test Voltage: DC 48V

4.1.7 TEST RESULTS

Please refer to the Attachment A.

Remark:

- (1) All readings are QP Mode value unless otherwise stated AVG in column of 『Note』 . If the QP Mode Measured value compliance with the QP Limits and lower than AVG Limits, the EUT shall be deemed to meet both QP & AVG Limits and then only QP Mode was measured, but AVG Mode didn't perform.In this case, a “ * ” marked in AVG Mode column of Interference Voltage Measured.
- (2) Measuring frequency range from 150KHz to 30MHz.
- (3) “ N/A ” denotes test is not applicable to this device.

4.2 RADIATED EMISSION MEASUREMENT

4.2.1 RADIATED EMISSION LIMITS

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.

LIMITS OF RADIATED EMISSION MEASUREMENT (9KHz-1000MHz)

Frequency (MHz)	Field Strength (microvolts/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
30~88	100	3
88~216	150	3
216~960	200	3
960~1000	500	3

LIMITS OF RADIATED EMISSION MEASUREMENT (Above 1000MHz)

Frequency (MHz)	(dBuV/m) (at 3 meters)	
	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).
- (4) The test result calculated as following:
 Measurement Value = Reading Level + Correct Factor
 Correct Factor = Antenna Factor + Cable Loss - Amplifier Gain(if use)
 Margin Level = Measurement Value - Limit Value

Spectrum Parameter	Setting
Attenuation	Auto
Start Frequency	1000 MHz
Stop Frequency	10th carrier harmonic
RBW / VBW (Emission in restricted band)	RBW 1MHz VBW 3MHz peak detector for Pk value RMS detector for AV value

Receiver Parameter	Setting
Attenuation	Auto
Start ~ Stop Frequency	9KHz~90KHz for PK/AVG detector
Start ~ Stop Frequency	90KHz~110KHz for QP detector
Start ~ Stop Frequency	110KHz~490KHz for PK/AVG detector
Start ~ Stop Frequency	490KHz~30MHz for QP detector
Start ~ Stop Frequency	30MHz~1000MHz for QP detector

4.2.2 TEST PROCEDURE

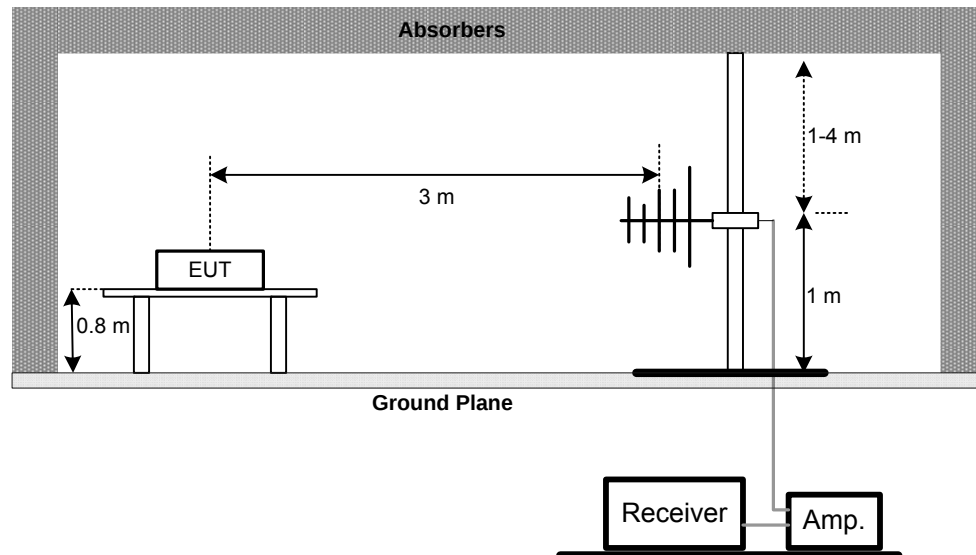
- The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(below 1GHz)
- The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 1.5 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(above 1GHz)
- The height of the equipment or of the substitution antenna shall be 0.8 m or 1.5 m, 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.
- For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights find the maximum reading (used Bore sight function).
- The receiver system was set to peak and average detect function and specified bandwidth with maximum hold mode when the test frequency is above 1GHz.
- The initial step in collecting radiated emission data is a receiver peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
- All readings are Peak unless otherwise stated QP in column of Note. Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform. (below 1GHz)
- All readings are Peak Mode value unless otherwise stated AVG in column of Note. If the Peak Mode Measured value compliance with the Peak Limits and lower than AVG Limits, the EUT shall be deemed to meet both Peak & AVG Limits and then only Peak Mode was measured, but AVG Mode didn't perform. (above 1GHz)
- For the actual test configuration, please refer to the related Item –EUT Test Photos.

4.2.3 DEVIATION FROM TEST STANDARD

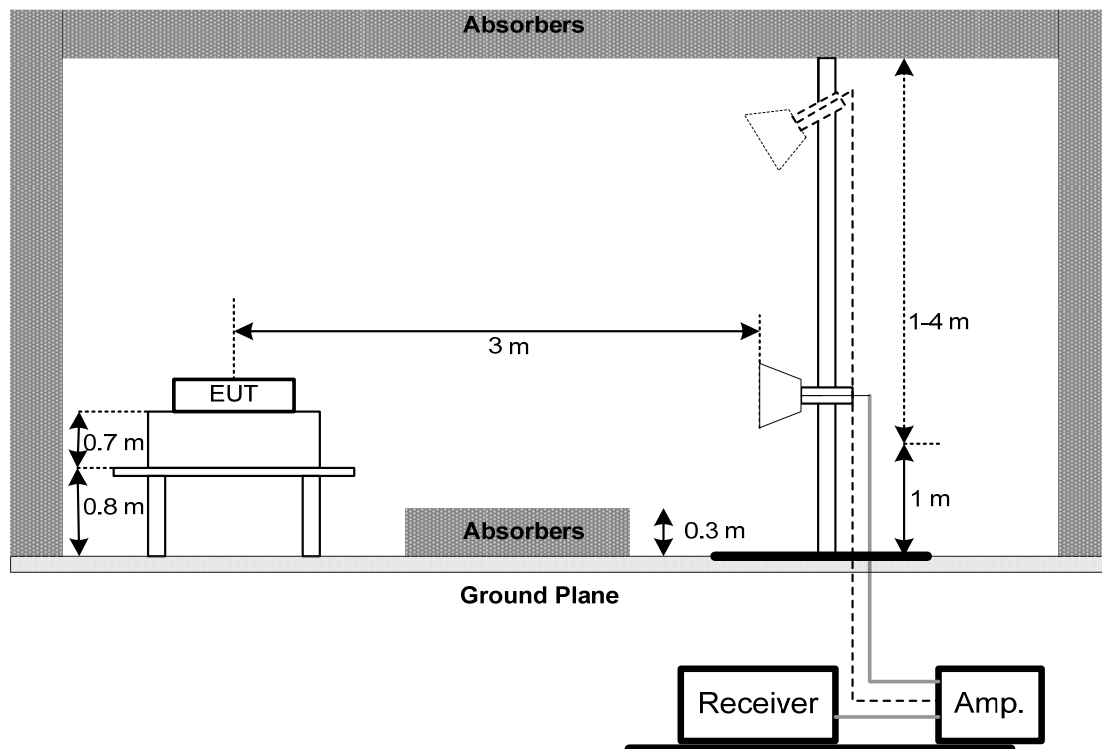
No deviation

4.2.4 TEST SETUP

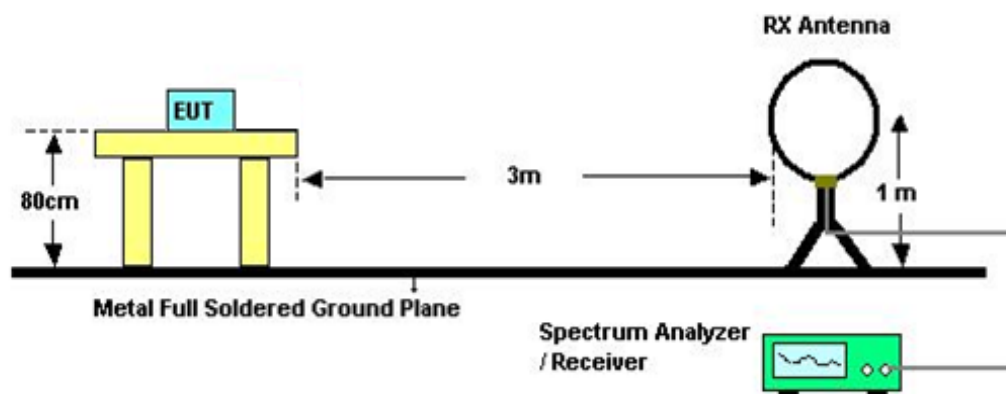
(A) Radiated Emission Test Set-Up Frequency Below 1 GHz



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



(C) For radiated emissions below 30MHz



4.2.5 EUT OPERATING CONDITIONS

The EUT tested system was configured as the statements of 4.1.5 unless otherwise a special operating condition is specified in the follows during the testing.

4.2.6 EUT TEST CONDITIONS

Temperature: 25°C

Relative Humidity: 45%

Test Voltage: DC 48V

4.2.7 TEST RESULTS (9KHZ TO 30MHZ)

Please refer to the Attachment B

Remark:

- (1) The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.
- (2) Distance extrapolation factor = $40 \log (\text{specific distance} / \text{test distance})$ (dB).
- (3) Limit line = specific limits (dBuV) + distance extrapolation factor.

4.2.8 TEST RESULTS (BETWEEN 30MHZ TO 1000 MHZ)

Please refer to the Attachment C.

Remark:

- (1) All readings are Peak unless otherwise stated QP in column of 『Note』 . Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform.
- (2) Measuring frequency range from 30MHz to 1000MHz.
- (3) If the peak scan value lower limit more than 20dB, then this signal data does not show in table.

4.2.9 TEST RESULTS (ABOVE 1000 MHZ)

Please refer to the Attachment D.

Remark:

- (1) All readings are Peak unless otherwise stated QP in column of 『Note』 . Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform.
- (2) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission
- (3) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.
- (4) EUT Orthogonal Axis:
"X" - denotes Laid on Table ; "Y" - denotes Vertical Stand ; "Z" - denotes Side Stand
- (5) During the measurements above 1 GHz it is taken care of that the EUT is always within the 3 dB cone of radiation BW of the used antenna
- (6) No limit: This is fundamental signal, the judgment is not applicable.
For fundamental signal judgment was referred to Peak output test.

5. BANDWIDTH TEST

5.1 Applied procedures / limit

FCC Part15 (15.247) , Subpart C				
Section	Test Item	Limit	Frequency Range (MHz)	Result
15.247(a)(2)	Bandwidth	$\geq 500\text{KHz}$ (6dB bandwidth)	2400-2483.5	PASS

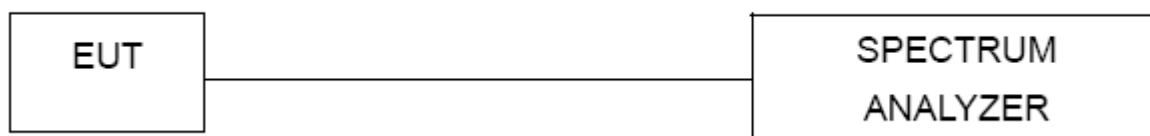
5.1.1 TEST PROCEDURE

- The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below,
- Spectrum Setting : RBW= 100KHz, VBW=300KHz, Sweep time = 2.5 ms.

5.1.2 DEVIATION FROM STANDARD

No deviation.

5.1.3 TEST SETUP



5.1.4 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 4.1.5 unless otherwise a special operating condition is specified in the follows during the testing.

5.1.5 EUT TEST CONDITIONS

Temperature: 25°C
 Relative Humidity: 60%
 Test Voltage: DC 48V

5.1.6 TEST RESULTS

Please refer to the Attachment E.

6. MAXIMUM OUTPUT POWER TEST

6.1 Applied procedures / limit

FCC Part15 (15.247) , Subpart C				
Section	Test Item	Limit	Frequency Range (MHz)	Result
15.247(b)(3)	Maximum Output Power	1 watt or 30dBm	2400-2483.5	PASS

6.1.1 TEST PROCEDURE

- The EUT was directly connected to the power meter and antenna output port as show in the block diagram below,
- The maximum peak conducted output power was performed in accordance with method 9.1.2 of FCC KDB 558074 D01 DTS Meas Guidance v03r05.

6.1.2 DEVIATION FROM STANDARD

No deviation.

6.1.3 TEST SETUP



6.1.4 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 4.1.5 unless otherwise a special operating condition is specified in the follows during the testing.
 Transmit output power was measured while the host equipment supply voltage was varied from 85 % to 115 % of the nominal rated supply voltage. No change in transmit output power was observed.

6.1.5 EUT TEST CONDITIONS

Temperature: 25°C
 Relative Humidity: 60%
 Test Voltage: DC 48V

6.1.6 TEST RESULTS

Please refer to the Attachment F.

7. ANTENNA CONDUCTED SPURIOUS EMISSION

7.1 Applied procedures / limit

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated device is operating, the RF power that is produced shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided that transmitter demonstrates compliance with the peak conducted power limits.

7.1.1 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=300KHz, Sweep time = 10 ms.
- c. Offset=antenna gain+ cable loss

7.1.2 DEVIATION FROM STANDARD

No deviation.

7.1.3 TEST SETUP



7.1.4 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 4.1.5 unless otherwise a special operating condition is specified in the follows during the testing.

7.1.5 EUT OPERATION CONDITIONS

Temperature: 25°C
 Relative Humidity: 60%
 Test Voltage: DC 48V

7.1.6 TEST RESULTS

Please refer to the Attachment G.

8. POWER SPECTRAL DENSITY TEST

8.1 Applied procedures / limit

FCC Part15 (15.247) , Subpart C				
Section	Test Item	Limit	Frequency Range (MHz)	Result
15.247(e)	Power Spectral Density	8 dBm (in any 3KHz)	2400-2483.5	PASS

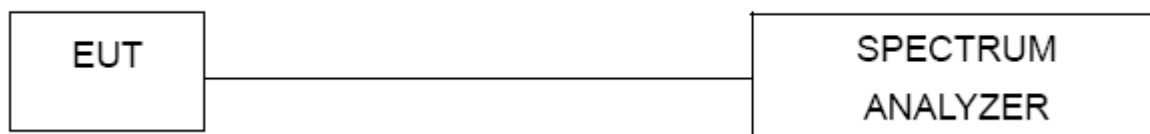
8.1.1 TEST PROCEDURE

- The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below,
- Spectrum Setting: RBW=3KHz, VBW=10 KHz, Sweep time = auto.

8.1.2 DEVIATION FROM STANDARD

No deviation.

8.1.3 TEST SETUP



8.1.4 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 4.1.5 unless otherwise a special operating condition is specified in the follows during the testing.

8.1.5 EUT TEST CONDITIONS

Temperature: 25°C
 Relative Humidity: 60%
 Test Voltage: DC 48V

8.1.6 TEST RESULTS

Please refer to the Attachment H.

9. MEASUREMENT INSTRUMENTS LIST

Conducted Emission Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	TWO-LINE V-NETWORK	R&S	ENV216	101050	Jan. 26, 2017
2	Test Cable	TIMES	CFD300-NL	C02	Jun. 14, 2016
3	EMI Test Receiver	R&S	ESR7	101433	Dec. 09, 2016
4	Power Dividers	HP	11636A	8103	May 03, 2017
5	Measurement Software	EZ	EZ EMC (Version NB-03A)	N/A	N/A

Radiated Emission Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Log-Bicon Antenna	Schwarzbeck	VULB9168-352	9168-352	Jul. 30, 2016
2	Horn Antenna	Schwarzbeck	BBHA 9120	D-325	Apr. 19, 2017
3	Horn Antenna	Schwarzbeck	BBHA 9120	9120D-1333	May 19, 2017
4	Pre-Amplifier	Anritsu	MH648A	M92649	Jun. 16, 2016
5	Pre-Amplifier	Agilent	8449B	3008A01714	Apr. 13, 2017
6	Test Cable	LMR	LMR-400	01(10M)	May 11, 2017
7	Test Cable	LMR	LMR-400	01(3M)	May 11, 2017
8	Test Cable	Harbour industries	27478LL142	1M	May 12, 2017
9	Test Cable	Harbour industries	27478LL142	3M	May 12, 2017
10	Test Cable	AISI	S104-SMAP-1	8M	May 12, 2017
11	Spectrum Analyzer	Agilent	N9020A	MY51160196	Aug. 02, 2016
12	EMI Test Receiver	R&S	ESCI	100080	May 12, 2017
13	Measurement Software	Farad	EZ EMC (Version NB-03A)	N/A	N/A

6dB Bandwidth Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP-40	100129	Jan. 17, 2017

Peak Output Power Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Power Meter	Anritsu	ML2487A	6K00004714	May 18, 2017
2	Power Meter Sensor	Anritsu	MA2491A	034138	May 17, 2017

Antenna Conducted Spurious Emission Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP-40	100129	Jan. 17, 2017

Power Spectral Density Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP-40	100129	Jan. 17, 2017

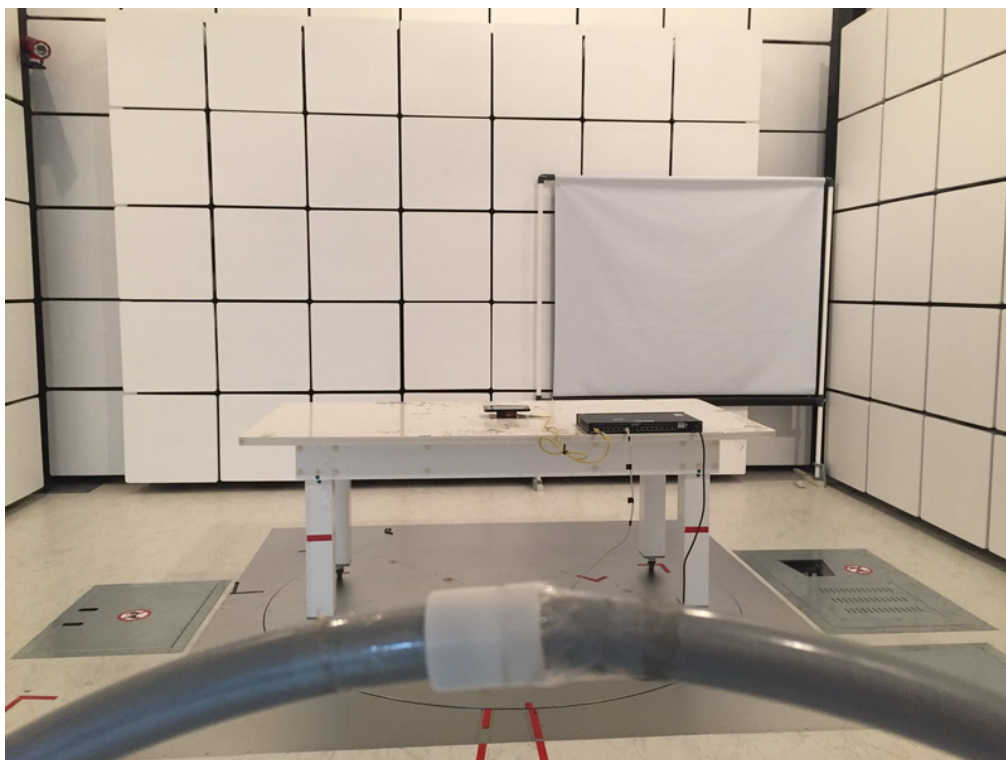
Remark: "N/A" denotes no model name, serial no. or calibration specified.
All calibration period of equipment list is one year.

10. EUT TEST PHOTO

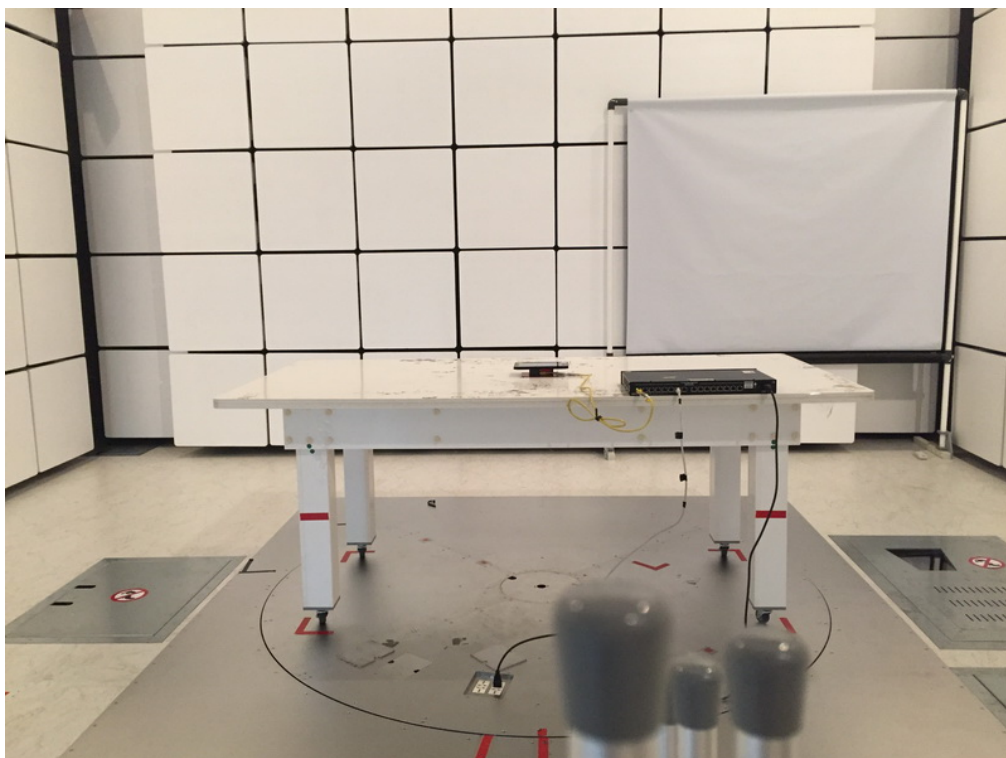
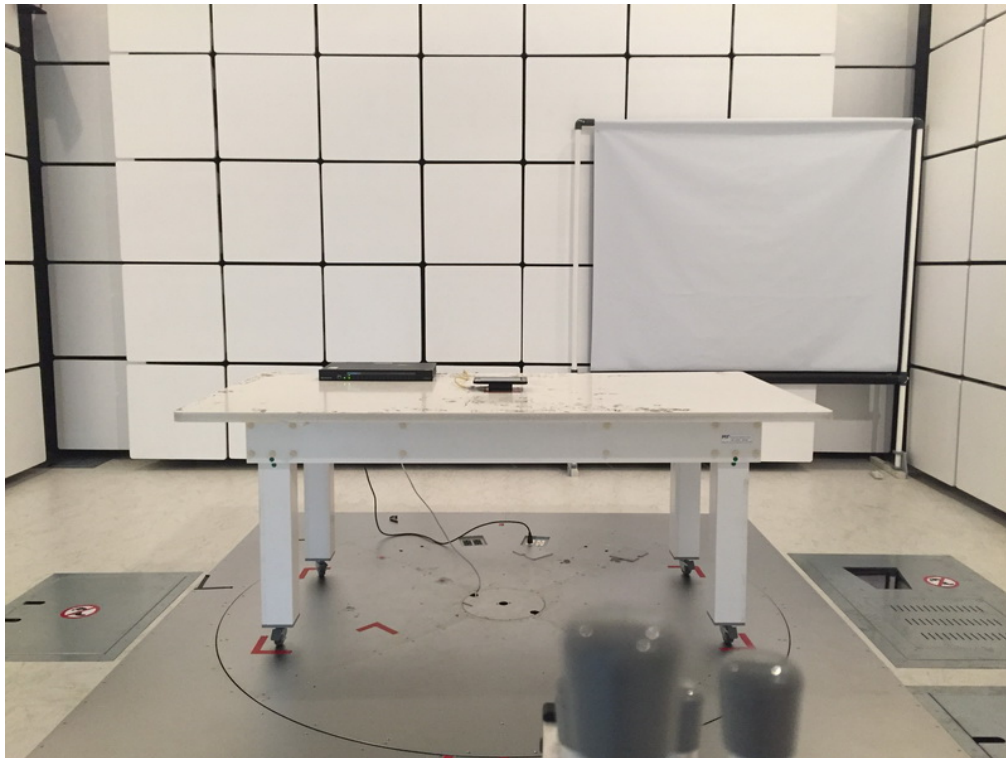
Conducted Measurement Photos



Radiated Measurement Photos 9KHz to 30MHz



Radiated Measurement Photos 30MHz to 1000MHz



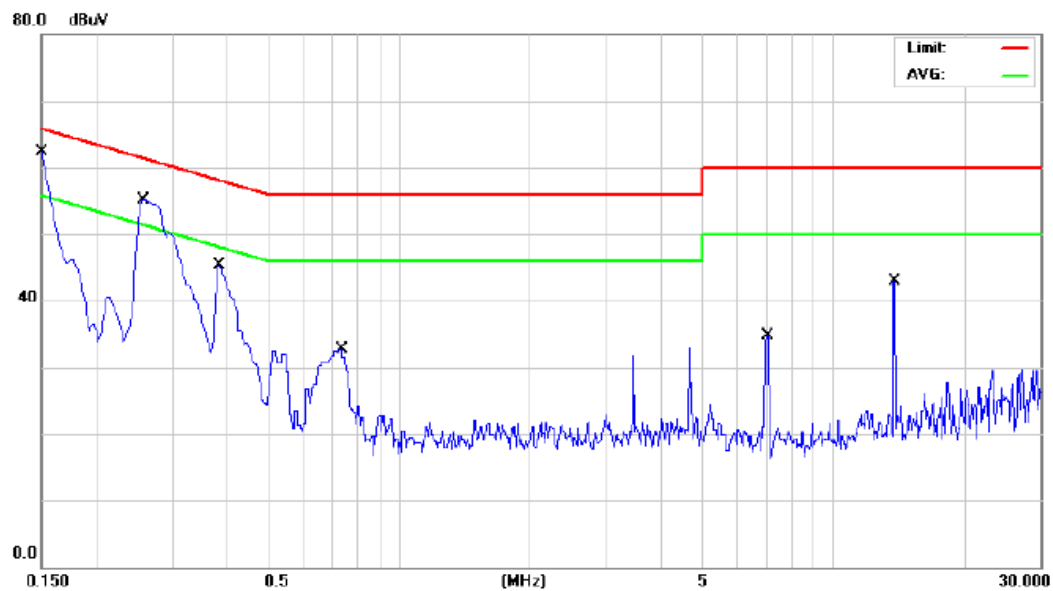
**Radiated Measurement Photos
Above 1000MHz**



ATTACHMENT A - CONDUCTED EMISSION

Test Mode: Bluetooth

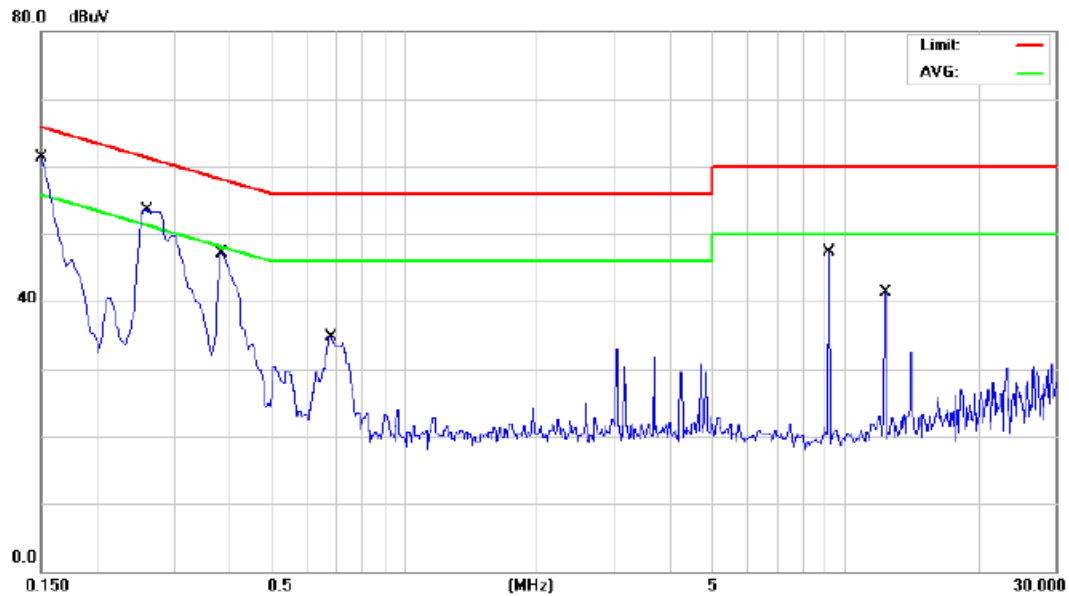
Line



No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Margin		
		MHz	dBuV	Factor	ment	dBuV	dB	Detector	Comment
1		0.1500	36.00	9.68	45.68	65.99	-20.31	QP	
2		0.1500	12.10	9.68	21.78	55.99	-34.21	AVG	
3	*	0.2564	43.20	9.68	52.88	61.54	-8.66	QP	
4		0.2564	27.10	9.68	36.78	51.54	-14.76	AVG	
5		0.3845	30.80	9.68	40.48	58.18	-17.70	QP	
6		0.3845	17.00	9.68	26.68	48.18	-21.50	AVG	
7		0.7340	19.30	9.70	29.00	56.00	-27.00	QP	
8		0.7340	10.80	9.70	20.50	46.00	-25.50	AVG	
9		7.0500	7.80	9.92	17.72	60.00	-42.28	QP	
10		7.0500	1.60	9.92	11.52	50.00	-38.48	AVG	
11		13.8000	5.30	9.89	15.19	60.00	-44.81	QP	
12		13.8000	1.10	9.89	10.99	50.00	-39.01	AVG	

Test Mode: Bluetooth

Neutral

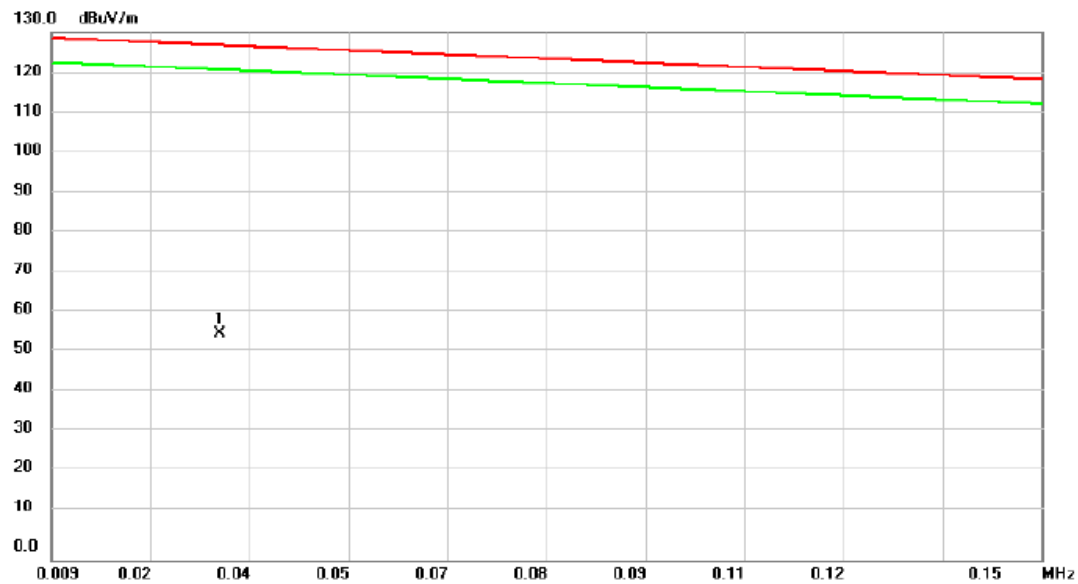


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1		0.1500	36.20	9.69	45.89	65.99	-20.10	QP	
2		0.1500	12.10	9.69	21.79	55.99	-34.20	AVG	
3	*	0.2592	41.40	9.68	51.08	61.45	-10.37	QP	
4		0.2592	26.90	9.68	36.58	51.45	-14.87	AVG	
5		0.3845	32.40	9.68	42.08	58.18	-16.10	QP	
6		0.3845	17.00	9.68	26.68	48.18	-21.50	AVG	
7		0.6800	18.50	9.70	28.20	56.00	-27.80	QP	
8		0.6800	10.50	9.70	20.20	46.00	-25.80	AVG	
9		9.2000	8.50	9.96	18.46	60.00	-41.54	QP	
10		9.2000	3.80	9.96	13.76	50.00	-36.24	AVG	
11		12.3000	9.20	9.92	19.12	60.00	-40.88	QP	
12		12.3000	4.90	9.92	14.82	50.00	-35.18	AVG	

ATTACHMENT B - RADIATED EMISSION (9KHZ TO 30MHZ)

Test Mode:	TX Mode(LCD Panel: EDT / ETML0700N0DH6A) built-in Camera
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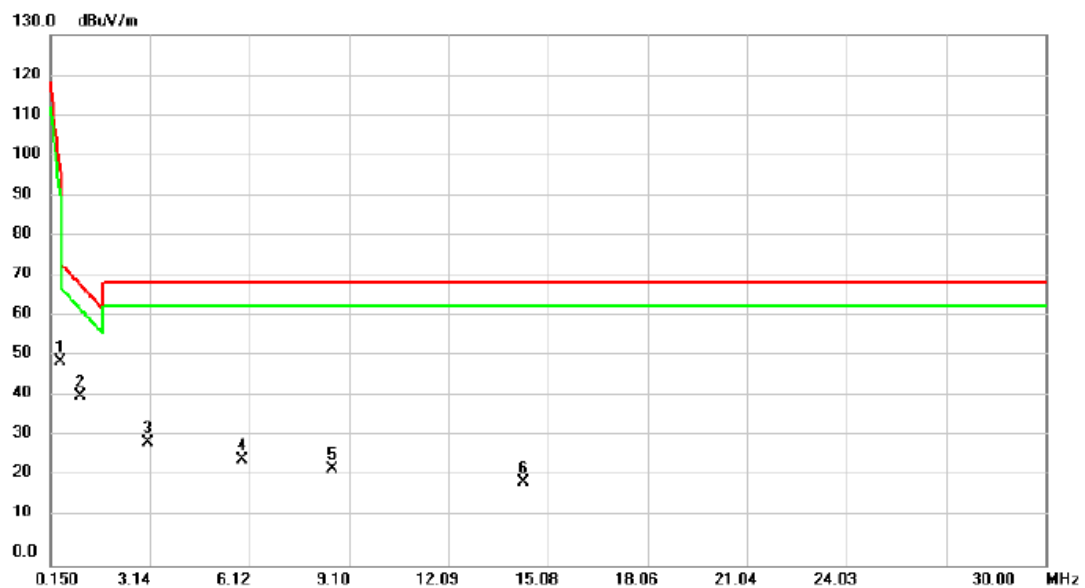
OPEN



No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over		
		MHz	Level	Factor	ment			Detector	Comment
			dBuV	dB	dBuV/m	dBuV/m	dB		
1	*	0.0330	41.05	14.70	55.75	126.79	-71.04	peak	

Test Mode:	TX Mode(LCD Panel: EDT / ETML0700N0DH6A) built-in Camera
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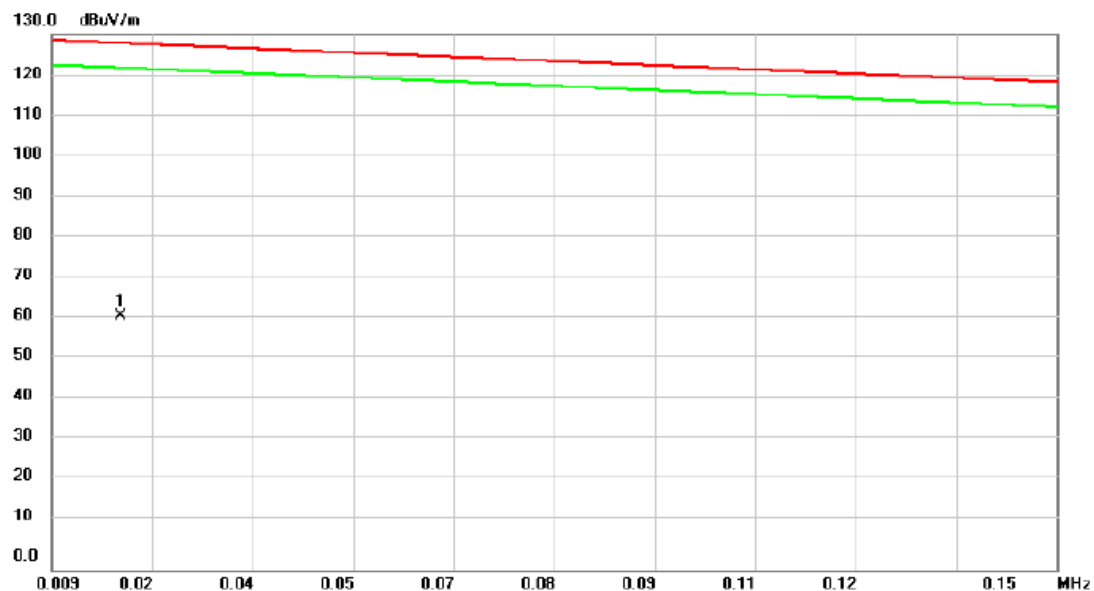
OPEN



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		0.4286	38.11	11.80	49.91	98.23	-48.32	peak	
2	*	1.0256	29.39	11.99	41.38	69.03	-27.65	peak	
3		3.0951	18.88	11.11	29.99	69.54	-39.55	peak	
4		5.8812	14.62	11.38	26.00	69.54	-43.54	peak	
5		8.5876	12.18	11.33	23.51	69.54	-46.03	peak	
6		14.3188	9.19	11.17	20.36	69.54	-49.18	peak	

Test Mode:	TX Mode(LCD Panel: EDT / ETML0700N0DH6A) built-in Camera
------------	--

CLOSE



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	0.0186	43.48	18.14	61.62	127.83	-66.21	peak	

Test Mode:	TX Mode(LCD Panel: EDT / ETML0700N0DH6A) built-in Camera
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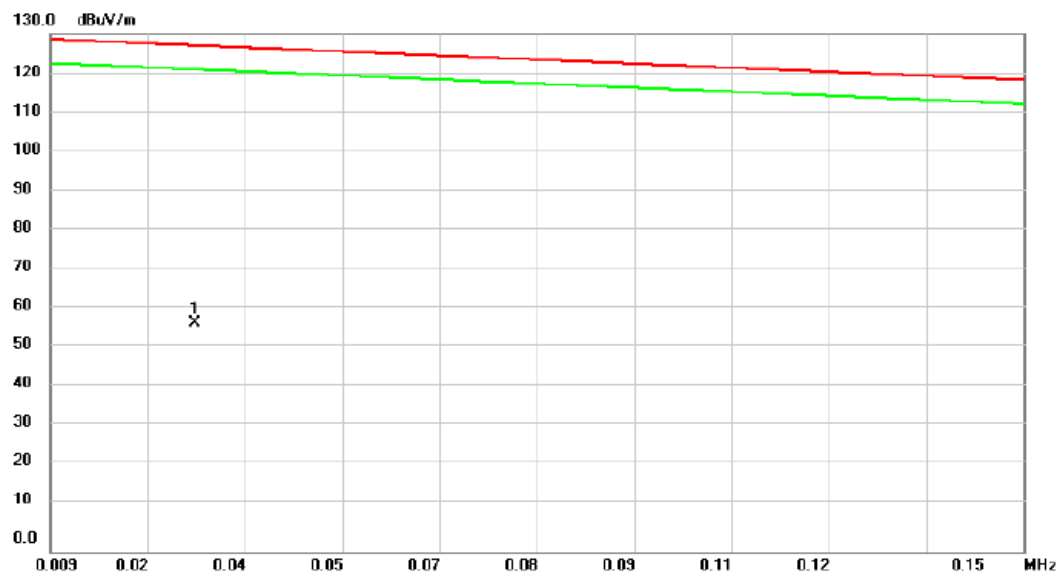
CLOSE



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		0.1500	47.16	12.03	59.19	118.34	-59.15	peak	
2	*	0.9062	30.57	11.96	42.53	70.09	-27.56	peak	
3		2.5380	20.48	11.31	31.79	69.54	-37.75	peak	
4		4.6076	16.07	11.34	27.41	69.54	-42.13	peak	
5		7.9110	12.07	11.34	23.41	69.54	-46.13	peak	
6		10.1398	10.50	11.30	21.80	69.54	-47.74	peak	

Test Mode: TX Mode(LCD Panel: EDT / ETML0700N0DH6A) No Camera

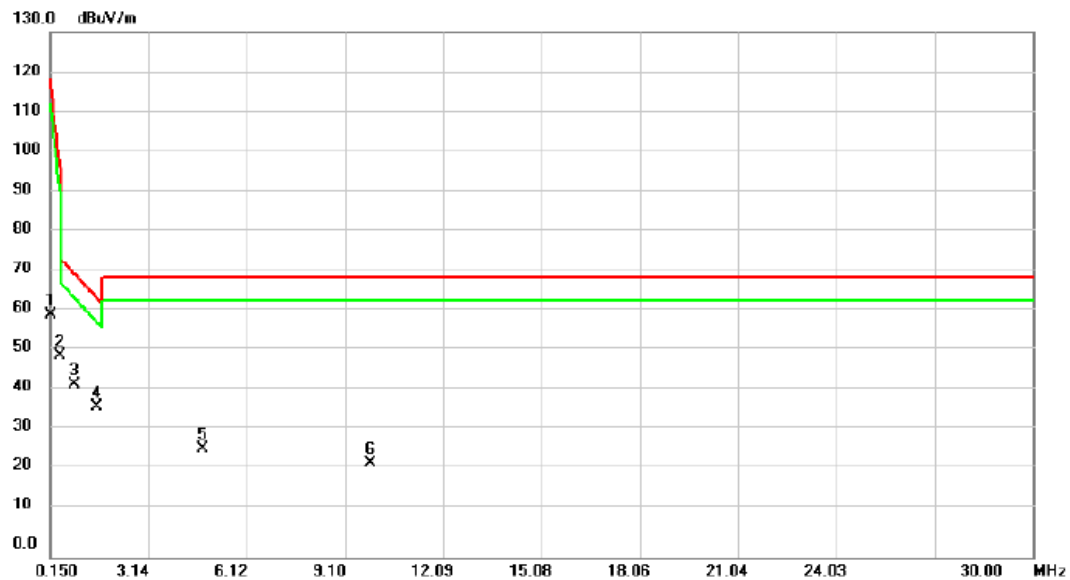
OPEN



No. Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	0.0300	42.43	15.00	57.43	127.00	-69.57	peak	

Test Mode: TX Mode(LCD Panel: EDT / ETML0700N0DH6A) No Camera

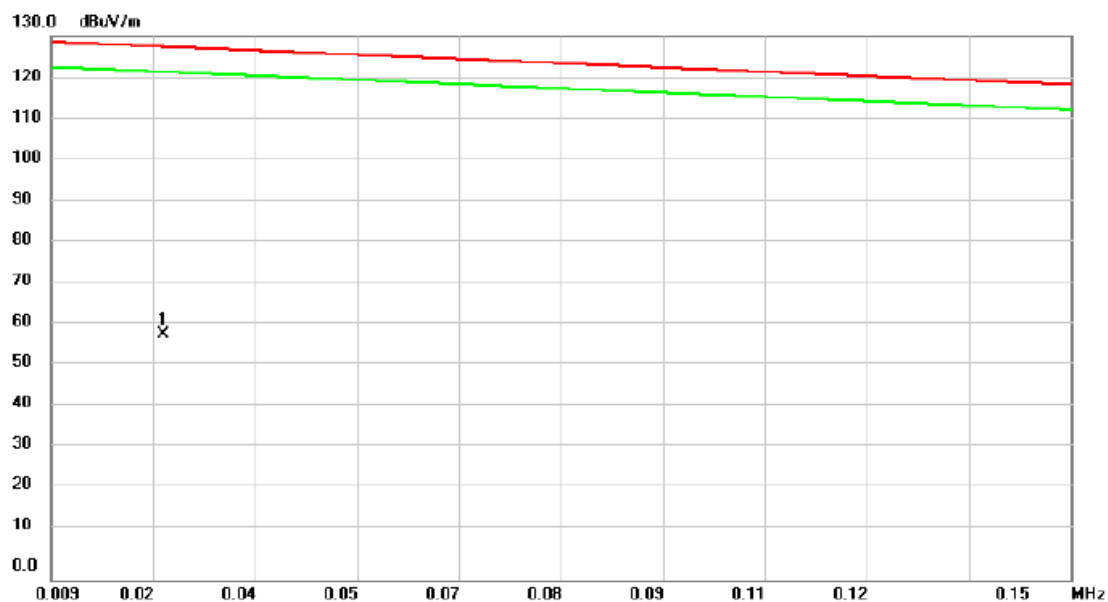
OPEN



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		0.1500	47.93	12.03	59.96	118.34	-58.38	peak	
2		0.4286	38.11	11.80	49.91	98.23	-48.32	peak	
3		0.8664	30.84	11.95	42.79	70.44	-27.65	peak	
4	*	1.5430	25.44	11.76	37.20	64.41	-27.21	peak	
5		4.7668	15.48	11.37	26.85	69.54	-42.69	peak	
6		9.8612	11.94	11.30	23.24	69.54	-46.30	peak	

Test Mode: TX Mode(LCD Panel: EDT / ETML0700N0DH6A) No Camera

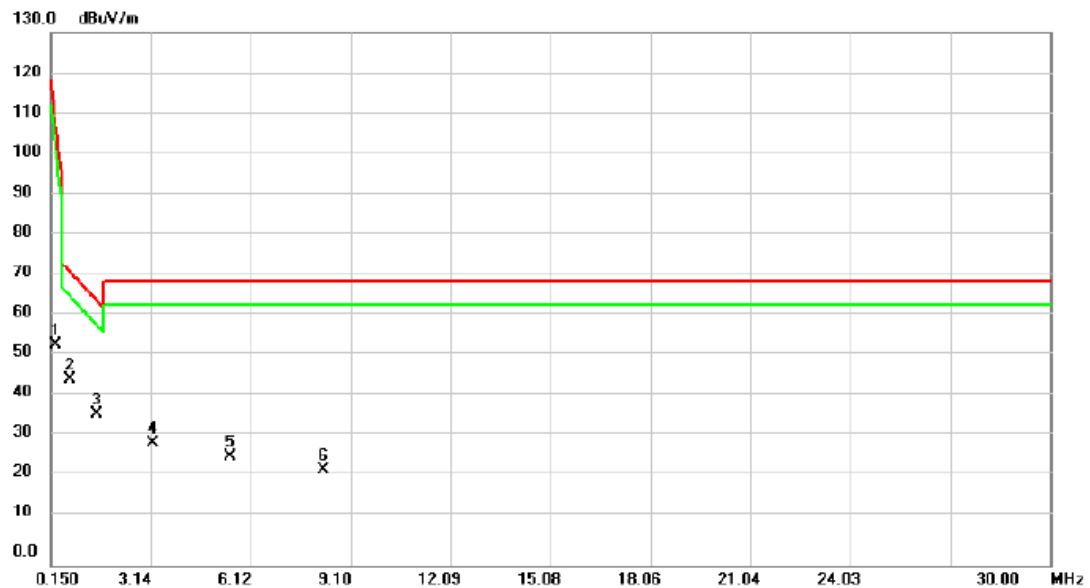
CLOSE



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	0.0246	42.04	16.48	58.52	127.39	-68.87	peak	

Test Mode: TX Mode(LCD Panel: EDT / ETML0700N0DH6A) No Camera

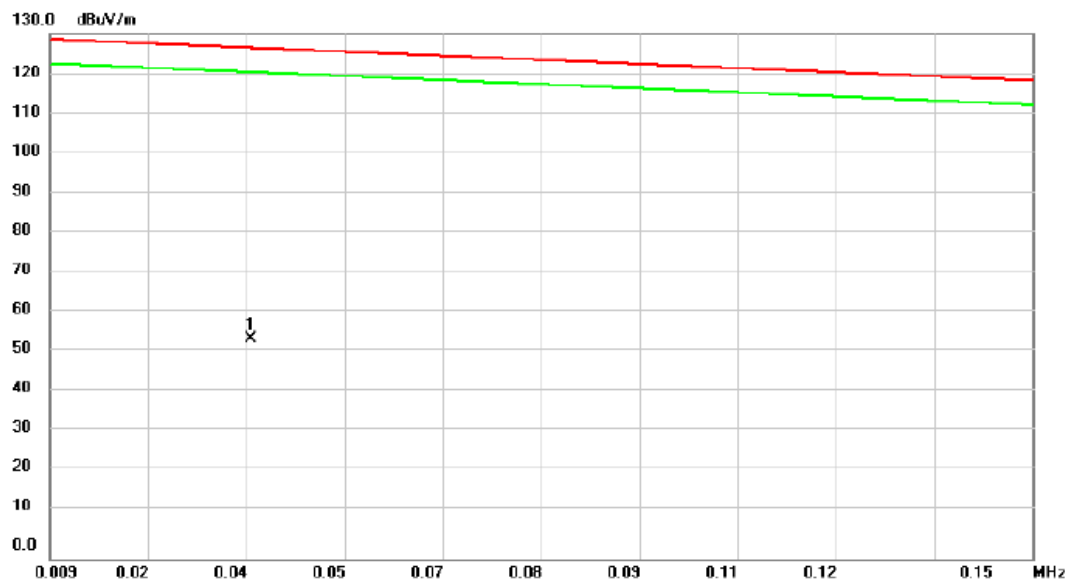
CLOSE



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		0.2694	42.03	11.85	53.88	109.72	-55.84	peak	
2	*	0.7072	33.53	11.88	45.41	71.86	-26.45	peak	
3		1.5032	25.19	11.77	36.96	64.77	-27.81	peak	
4		3.1748	18.60	11.13	29.73	69.54	-39.81	peak	
5		5.4832	15.08	11.39	26.47	69.54	-43.07	peak	
6		8.2692	12.07	11.33	23.40	69.54	-46.14	peak	

Test Mode:	TX Mode(LCD Panel: Truly / TDA-WSVGA0700H61480) built-in Camera
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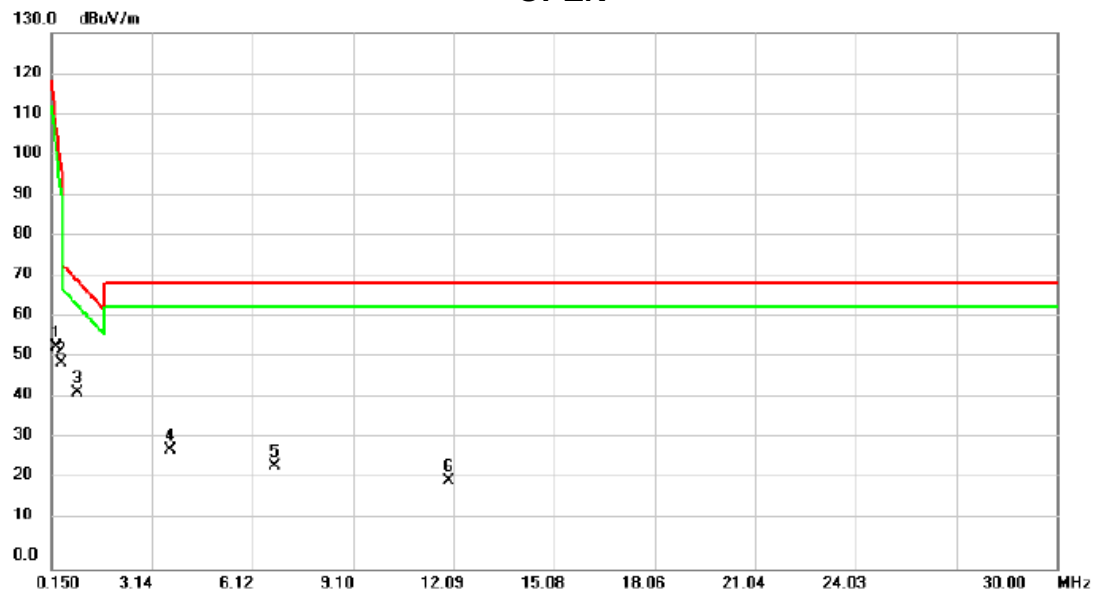
OPEN



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	0.0378	40.10	14.22	54.32	126.44	-72.12	peak	

Test Mode: TX Mode(LCD Panel: Truly / TDA-WSVGA0700H61480) built-in Camera

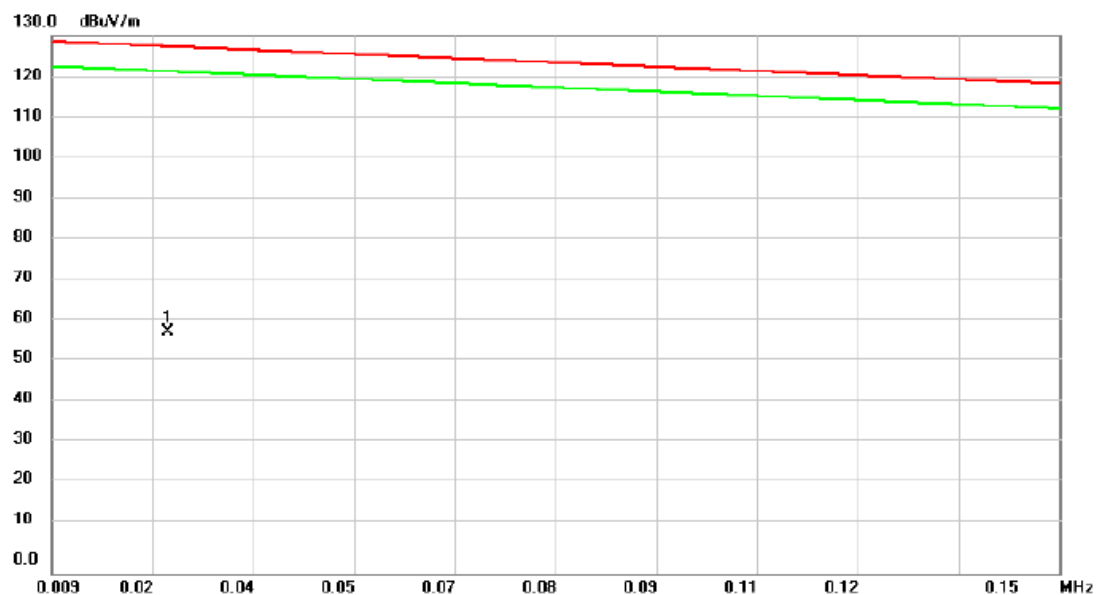
OPEN



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1		0.2694	41.83	11.85	53.68	109.72	-56.04	peak	
2		0.4286	38.11	11.80	49.91	98.23	-48.32	peak	
3	*	0.9062	30.78	11.96	42.74	70.09	-27.35	peak	
4		3.6524	17.70	11.20	28.90	69.54	-40.64	peak	
5		6.7568	13.41	11.36	24.77	69.54	-44.77	peak	
6		11.9308	9.90	11.24	21.14	69.54	-48.40	peak	

Test Mode: TX Mode(LCD Panel: Truly / TDA-WSVGA0700H61480) built-in Camera

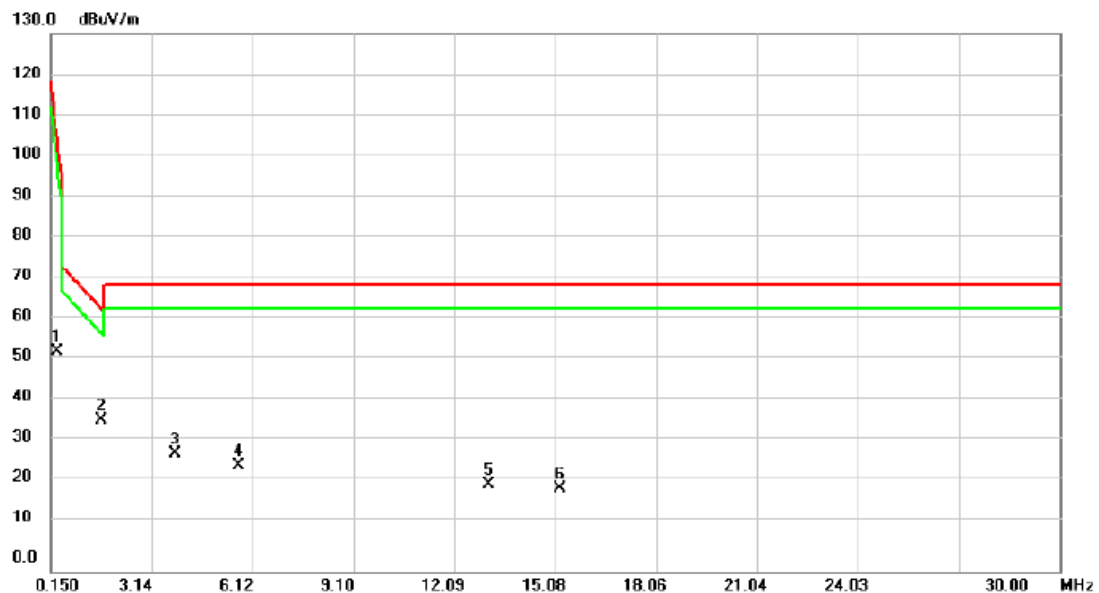
CLOSE



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1	*	0.0252	41.89	16.32	58.21	127.35	-69.14	peak	

Test Mode: TX Mode(LCD Panel: Truly / TDA-WSVGA0700H61480) built-in Camera

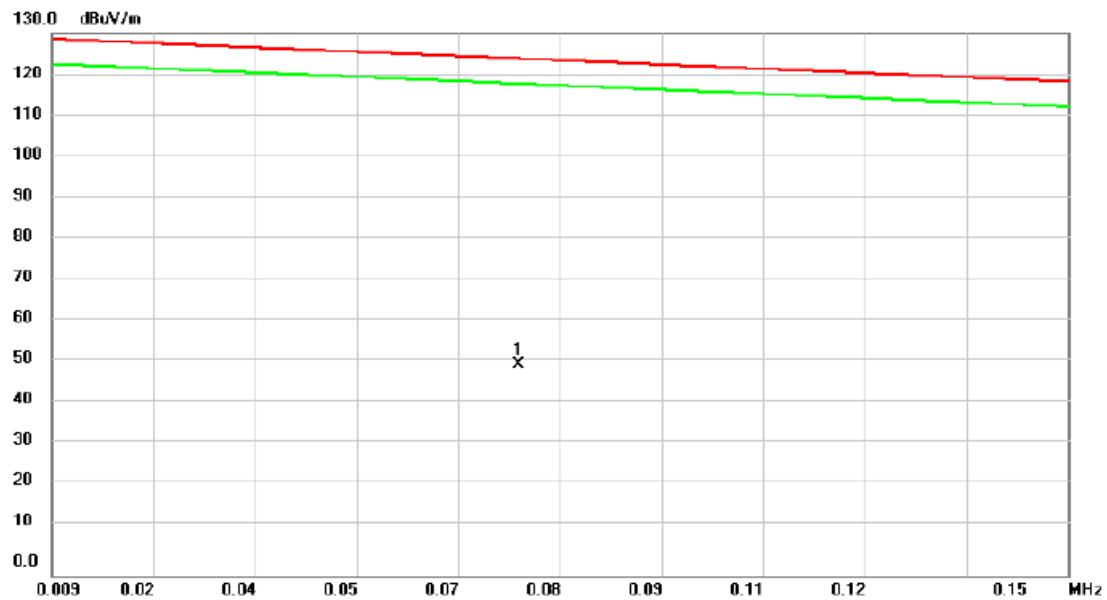
CLOSE



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		0.3092	41.29	11.80	53.09	106.85	-53.76	peak	
2	*	1.6226	24.87	11.72	36.59	63.70	-27.11	peak	
3		3.8116	17.35	11.22	28.57	69.54	-40.97	peak	
4		5.6822	14.27	11.39	25.66	69.54	-43.88	peak	
5		13.0850	9.75	11.21	20.96	69.54	-48.58	peak	
6		15.1944	8.94	11.14	20.08	69.54	-49.46	peak	

Test Mode: TX Mode(LCD Panel: Truly / TDA-WSVGA0700H61480) No Camera

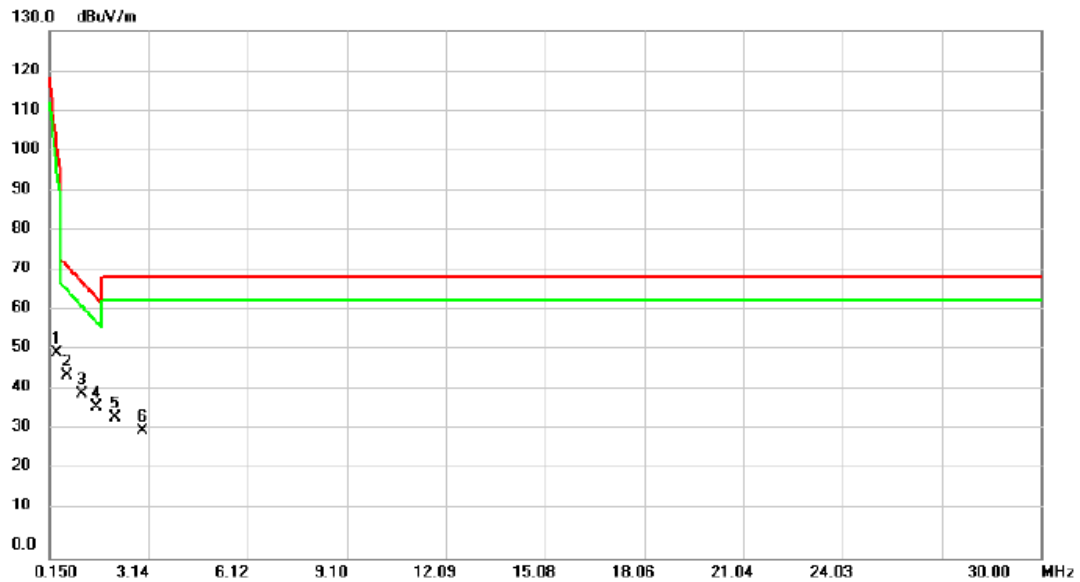
OPEN



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	0.0738	37.88	12.57	50.45	123.84	-73.39	peak	

Test Mode: TX Mode(LCD Panel: Truly / TDA-WSVGA0700H61480) No Camera

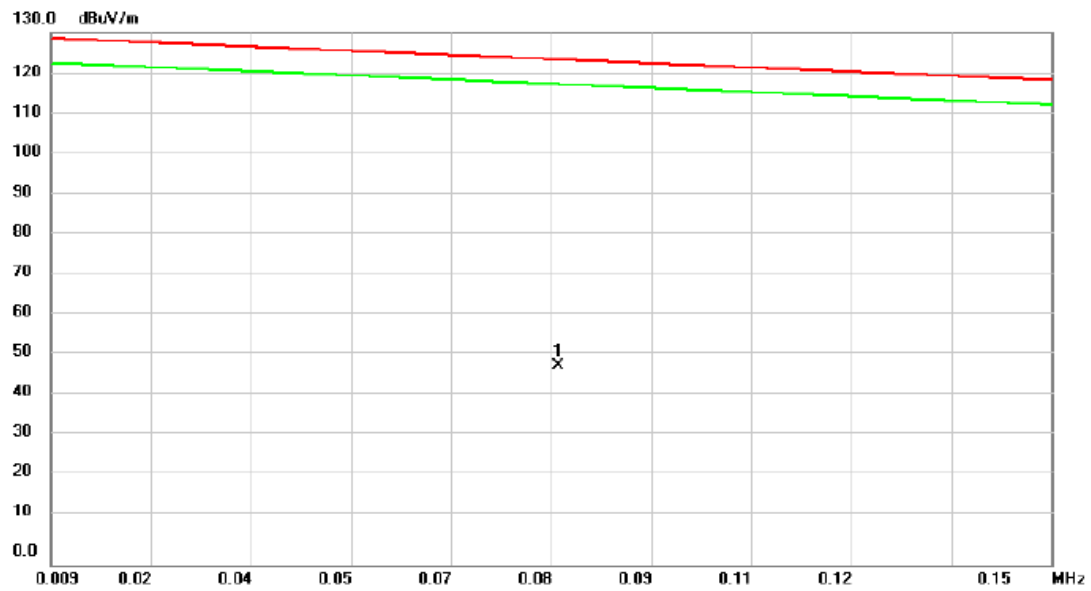
OPEN



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		0.3886	38.80	11.80	50.60	101.12	-50.52	peak	
2	*	0.6873	33.26	11.87	45.13	72.04	-26.91	peak	
3		1.1350	28.52	11.94	40.46	68.05	-27.59	peak	
4		1.5530	25.58	11.75	37.33	64.32	-26.99	peak	
5		2.1200	23.06	11.50	34.56	69.54	-34.98	peak	
6		2.9560	20.15	11.12	31.27	69.54	-38.27	peak	

Test Mode:	TX Mode(LCD Panel: Truly / TDA-WSVGA0700H61480) No Camera
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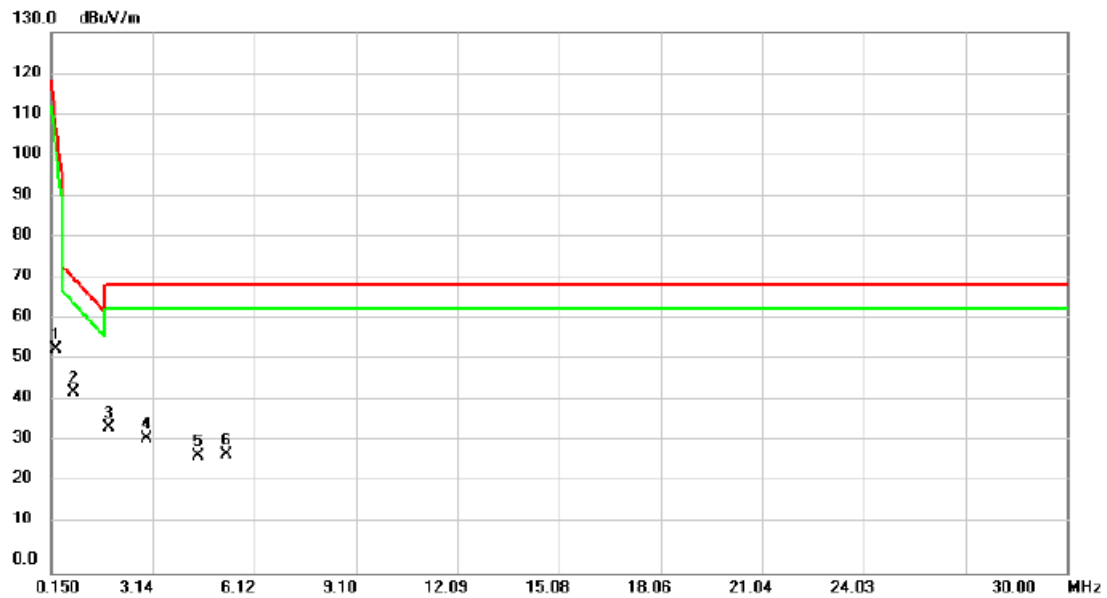
CLOSE



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	*	0.0805	36.30	12.45	48.75	123.36	-74.61	peak	

Test Mode: TX Mode(LCD Panel: Truly / TDA-WSVGA0700H61480) No Camera

CLOSE

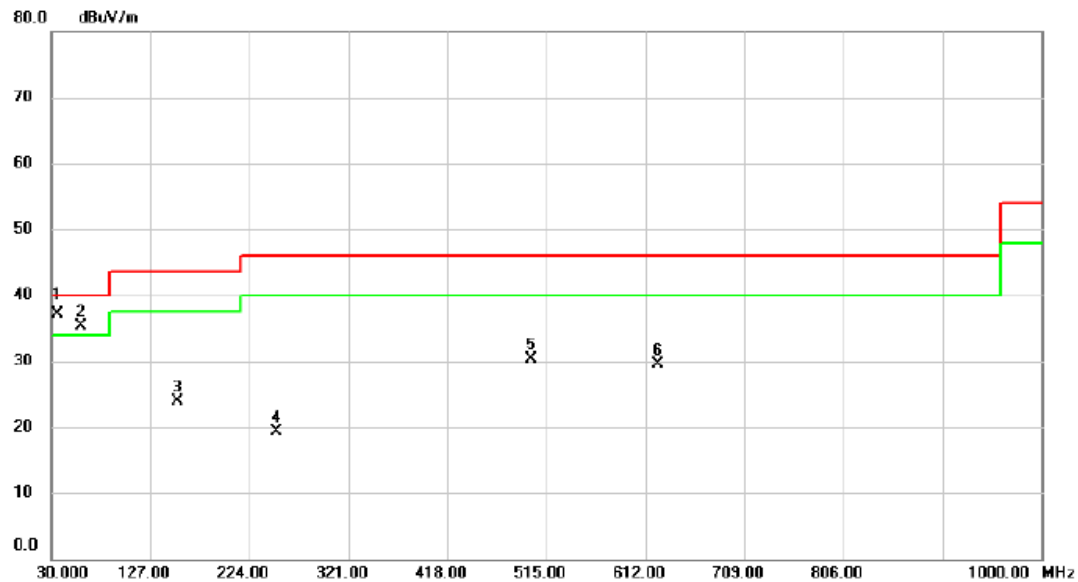


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		0.2993	41.85	11.80	53.65	107.57	-53.92	peak	
2	*	0.8064	31.32	11.92	43.24	70.98	-27.74	peak	
3		1.8511	23.44	11.62	35.06	69.54	-34.48	peak	
4		2.9560	21.26	11.12	32.38	69.54	-37.16	peak	
5		4.4484	16.93	11.32	28.25	69.54	-41.29	peak	
6		5.2842	16.97	11.39	28.36	69.54	-41.18	peak	

ATTACHMENT C - RADIATED EMISSION (30MHZ TO 1000MHZ)

Test Mode: TX Mode(LCD Panel: EDT / ETML0700N0DH6A) built-in Camera

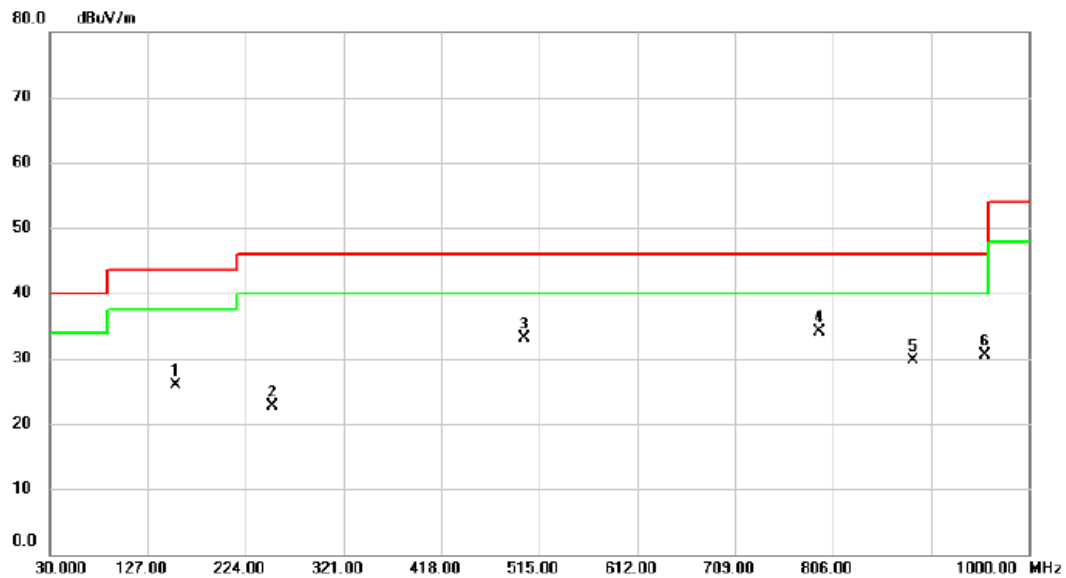
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	*	35.8200	51.07	-13.93	37.14	40.00	-2.86	QP	
2	!	59.1000	48.73	-13.43	35.30	40.00	-4.70	peak	
3		153.1900	36.75	-12.90	23.85	43.50	-19.65	peak	
4		250.1900	32.56	-13.26	19.30	46.00	-26.70	peak	
5		500.4500	38.33	-7.98	30.35	46.00	-15.65	peak	
6		624.6100	34.87	-5.44	29.43	46.00	-16.57	peak	

Test Mode:	TX Mode(LCD Panel: EDT / ETML0700N0DH6A) built-in Camera
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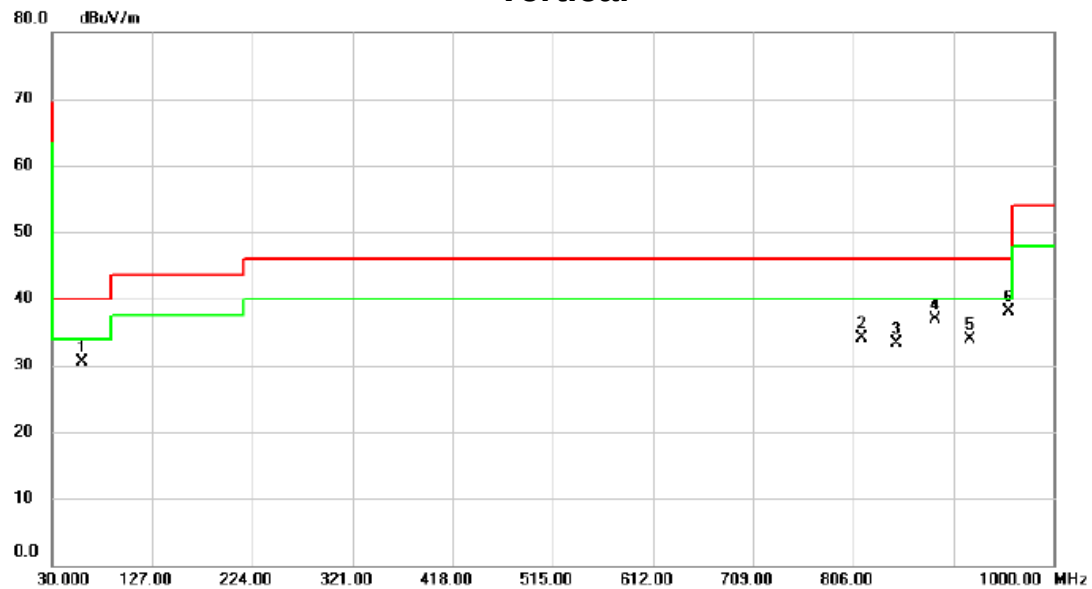
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		154.1600	38.83	-12.90	25.93	43.50	-17.57	peak	
2		250.1900	36.02	-13.26	22.76	46.00	-23.24	peak	
3		500.4500	40.99	-7.98	33.01	46.00	-12.99	peak	
4	*	792.4200	36.59	-2.49	34.10	46.00	-11.90	peak	
5		885.5400	30.78	-1.01	29.77	46.00	-16.23	peak	
6		956.3500	30.47	0.09	30.56	46.00	-15.44	peak	

Test Mode: TX Mode(LCD Panel: EDT / ETML0700N0DH6A) No Camera

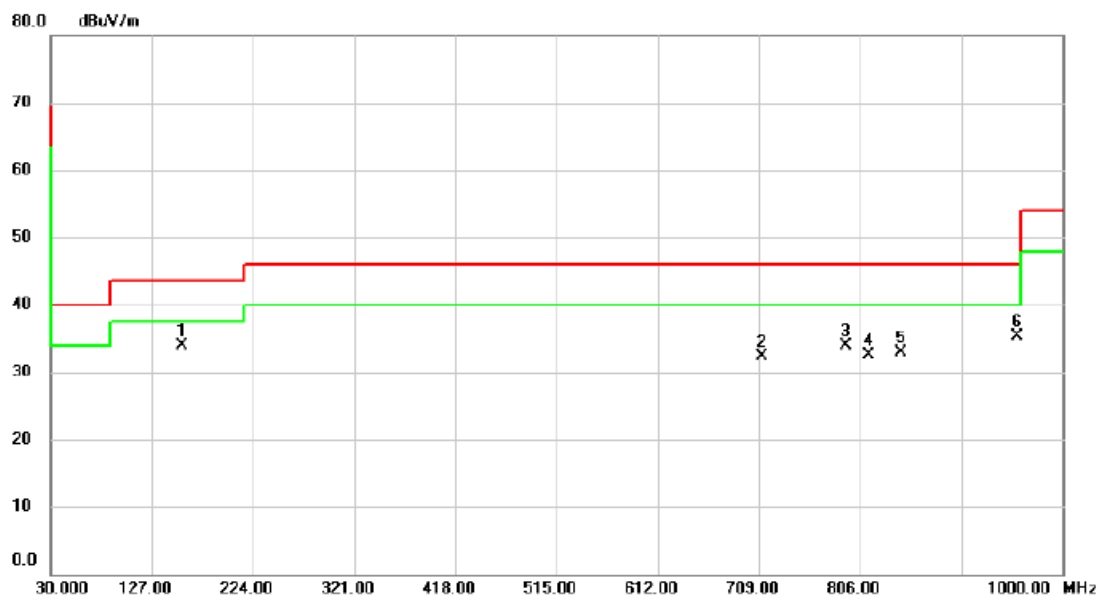
Vertical



No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	59.1000	39.20	-8.79	30.41	40.00	-9.59	peak	
2	814.7300	31.03	3.10	34.13	46.00	-11.87	peak	
3	847.7100	29.69	3.56	33.25	46.00	-12.75	peak	
4	885.5400	32.58	4.32	36.90	46.00	-9.10	peak	
5	919.4900	29.05	4.95	34.00	46.00	-12.00	peak	
6 *	956.3500	32.46	5.57	38.03	46.00	-7.97	peak	

Test Mode: TX Mode(LCD Panel: EDT / ETML0700N0DH6A) No Camera

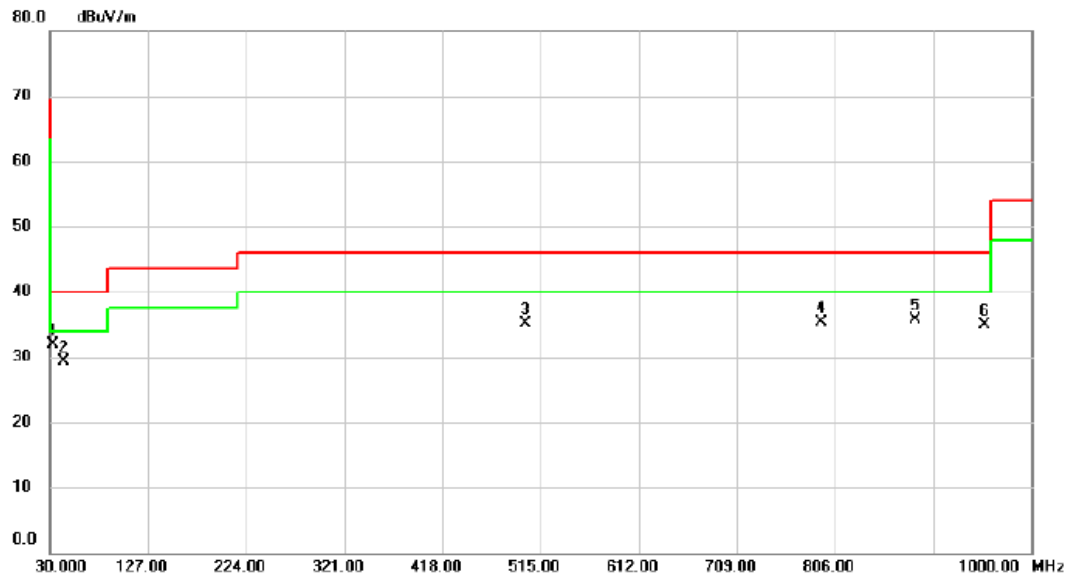
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	*	156.1000	42.61	-8.63	33.98	43.50	-9.52	peak	
2		711.9100	30.74	1.53	32.27	46.00	-13.73	peak	
3		792.4200	31.21	2.79	34.00	46.00	-12.00	peak	
4		814.7300	29.42	3.10	32.52	46.00	-13.48	peak	
5		845.7700	29.44	3.54	32.98	46.00	-13.02	peak	
6		956.3500	29.70	5.57	35.27	46.00	-10.73	peak	

Test Mode: TX Mode(LCD Panel: Truly / TDA-WSVGA0700H61480) built-in Camera

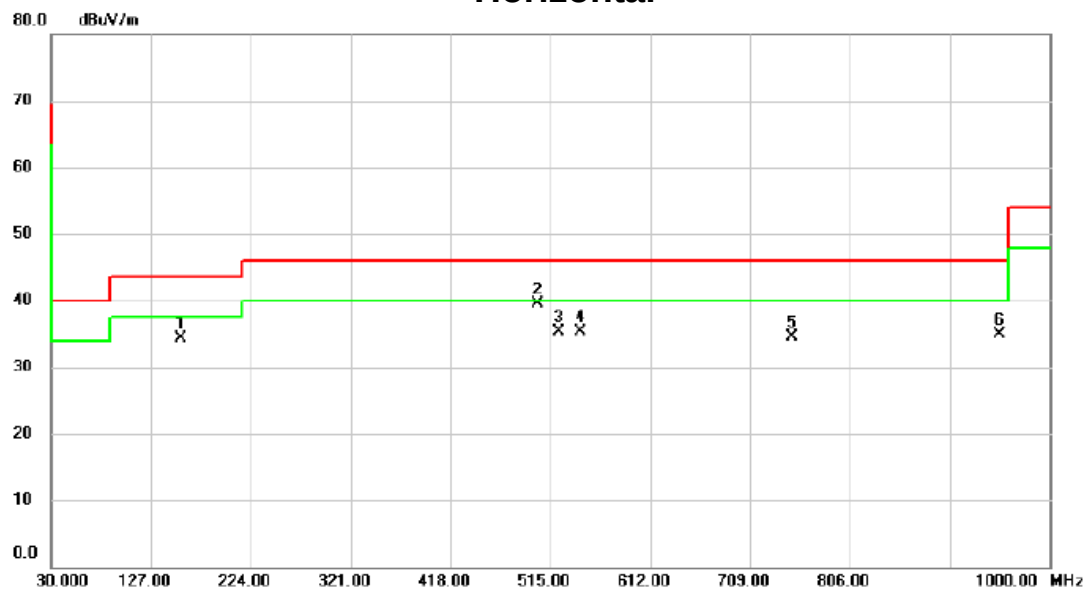
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	*	32.9100	40.87	-8.96	31.91	40.00	-8.09	peak	
2		43.5800	37.74	-8.36	29.38	40.00	-10.62	peak	
3		500.4500	37.80	-2.64	35.16	46.00	-10.84	peak	
4		792.4200	32.42	2.79	35.21	46.00	-10.79	peak	
5		885.5400	31.29	4.32	35.61	46.00	-10.39	peak	
6		953.4400	29.39	5.53	34.92	46.00	-11.08	peak	

Test Mode: TX Mode(LCD Panel: Truly / TDA-WSVGA0700H61480) built-in Camera

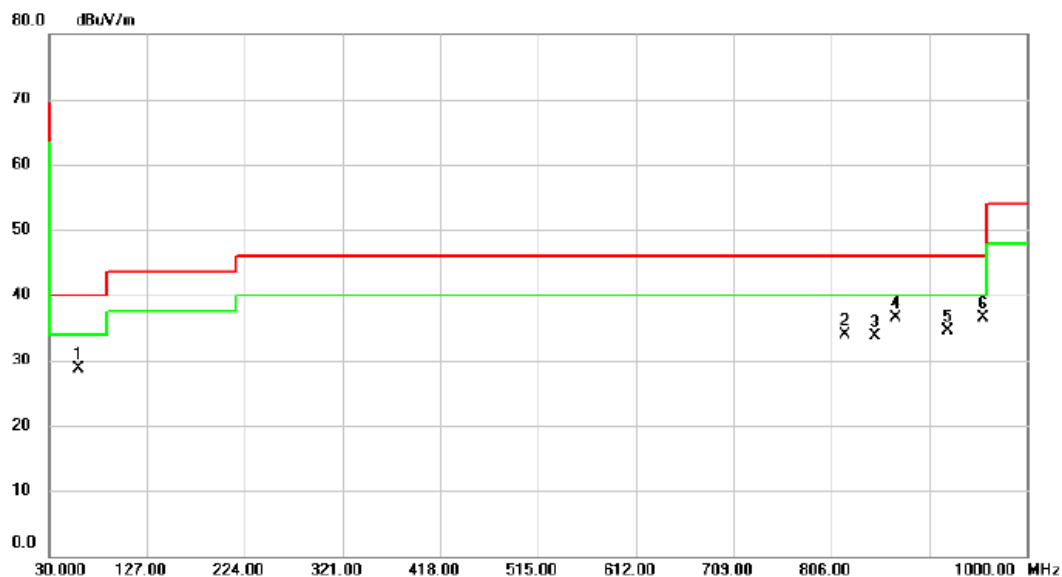
Horizontal



No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	156.1000	42.90	-8.63	34.27	43.50	-9.23	peak	
2 *	502.0667	42.13	-2.61	39.52	46.00	-6.48	peak	
3	523.7300	37.44	-2.13	35.31	46.00	-10.69	peak	
4	544.1000	37.02	-1.67	35.35	46.00	-10.65	peak	
5	749.7400	32.26	2.33	34.59	46.00	-11.41	peak	
6	951.5000	29.40	5.51	34.91	46.00	-11.09	peak	

Test Mode: TX Mode(LCD Panel: Truly / TDA-WSVGA0700H61480) No Camera

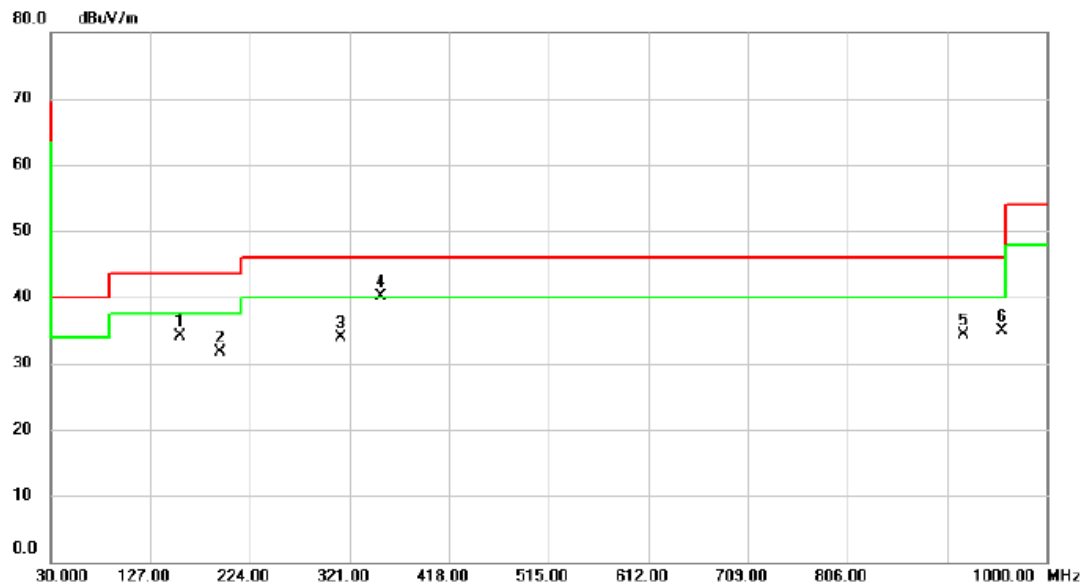
Vertical



No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	59.1000	37.59	-8.79	28.80	40.00	-11.20	peak	
2	819.5800	30.84	3.16	34.00	46.00	-12.00	peak	
3	849.6500	30.21	3.59	33.80	46.00	-12.20	peak	
4 *	870.0200	32.55	4.00	36.55	46.00	-9.45	peak	
5	921.4300	29.46	4.99	34.45	46.00	-11.55	peak	
6	956.3500	30.88	5.57	36.45	46.00	-9.55	peak	

Test Mode: TX Mode(LCD Panel: Truly / TDA-WSVGA0700H61480) No Camera

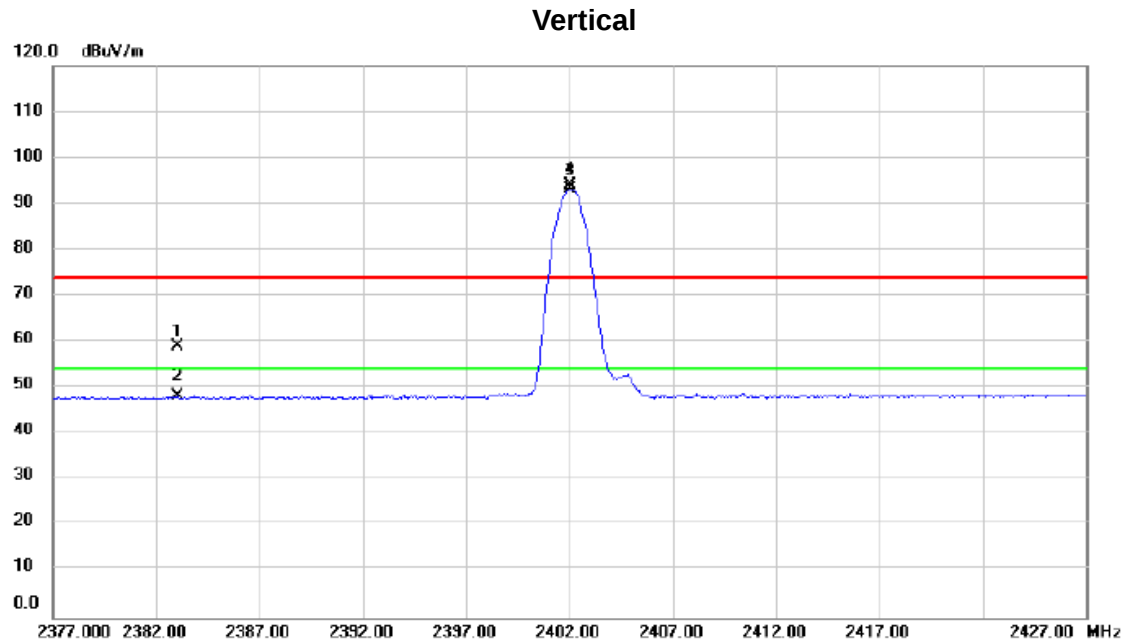
Horizontal



No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	156.1000	42.79	-8.63	34.16	43.50	-9.34	peak	
2	194.9000	42.46	-10.70	31.76	43.50	-11.74	peak	
3	312.2700	41.08	-7.13	33.95	46.00	-12.05	peak	
4 *	351.0700	46.17	-5.97	40.20	46.00	-5.80	peak	
5	918.5200	29.42	4.94	34.36	46.00	-11.64	peak	
6	956.3500	29.40	5.57	34.97	46.00	-11.03	peak	

ATTACHMENT D - RADIATED EMISSION (ABOVE 1000MHZ)

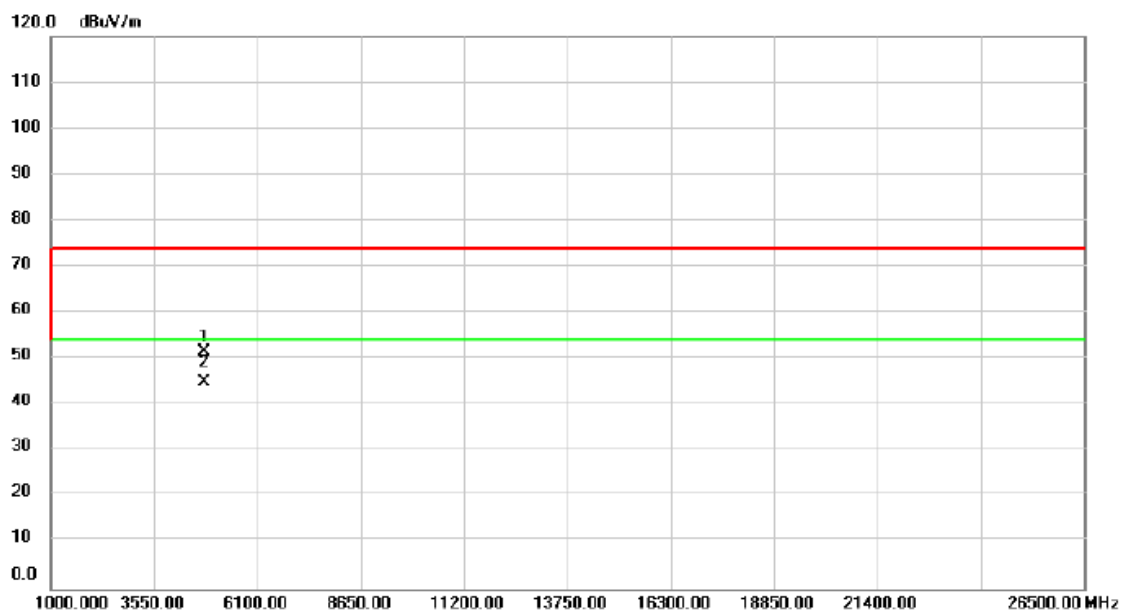
Orthogonal Axis :	X
Test Mode :	TX 2402MHz_CH00_1Mbps (LCD Panel: EDT / ETML0700N0DH6A) built-in Camera



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2383.050	27.21	31.68	58.89	74.00	-15.11	peak	
2		2383.050	16.41	31.68	48.09	54.00	-5.91	AVG	
3	X	2402.000	62.32	31.76	94.08	74.00	20.08	peak	No Limit
4	*	2402.000	61.52	31.76	93.28	54.00	39.28	AVG	No Limit

Orthogonal Axis :	X
Test Mode :	TX 2402MHz_CH00_1Mbps (LCD Panel: EDT / ETML0700N0DH6A) built-in Camera

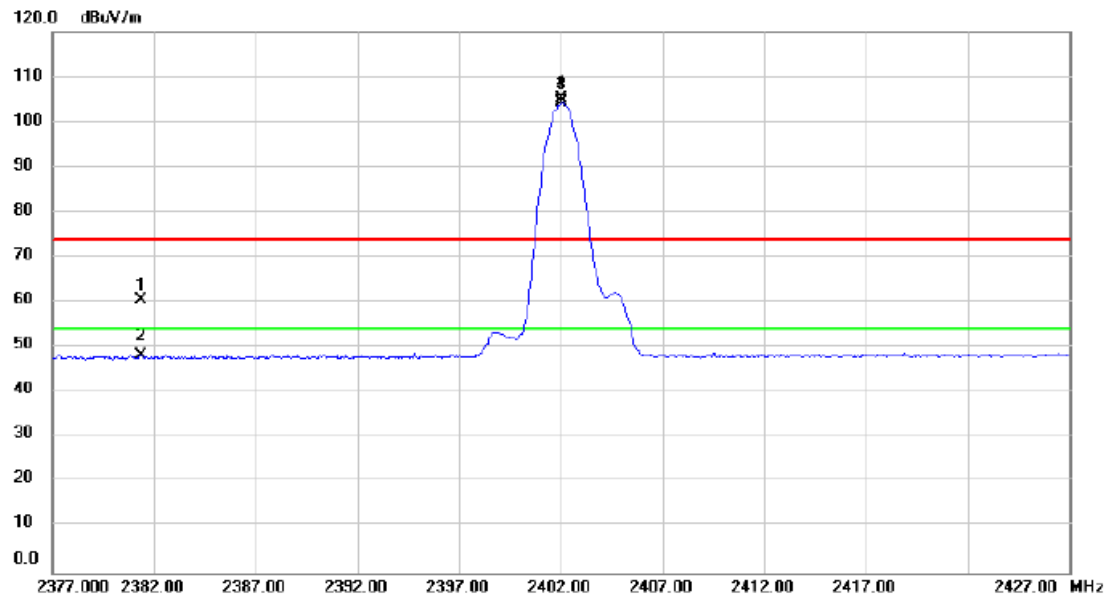
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4804.000	61.87	-10.51	51.36	74.00	-22.64	peak	
2	*	4804.000	55.48	-10.51	44.97	54.00	-9.03	AVG	

Orthogonal Axis :	X
Test Mode :	TX 2402MHz_CH00_1Mbps (LCD Panel: EDT / ETML0700N0DH6A) built-in Camera

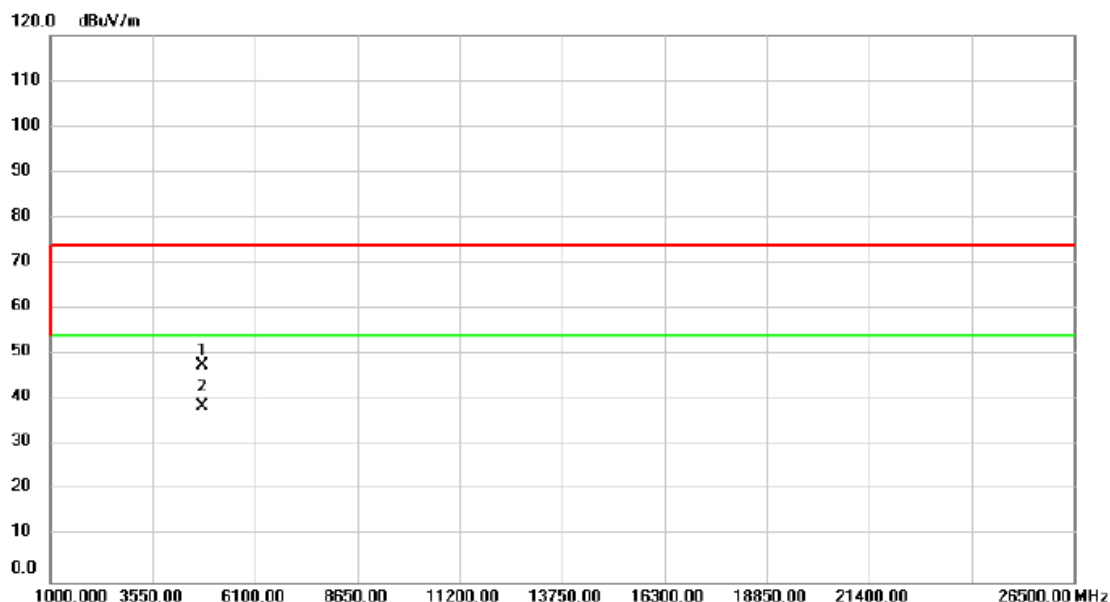
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		2381.350	28.79	31.67	60.46	74.00	-13.54	peak	
2		2381.350	16.58	31.67	48.25	54.00	-5.75	AVG	
3	X	2402.000	73.26	31.76	105.02	74.00	31.02	peak	No Limit
4	*	2402.000	72.43	31.76	104.19	54.00	50.19	AVG	No Limit

Orthogonal Axis :	X
Test Mode :	TX 2402MHz_CH00_1Mbps (LCD Panel: EDT / ETML0700N0DH6A) built-in Camera

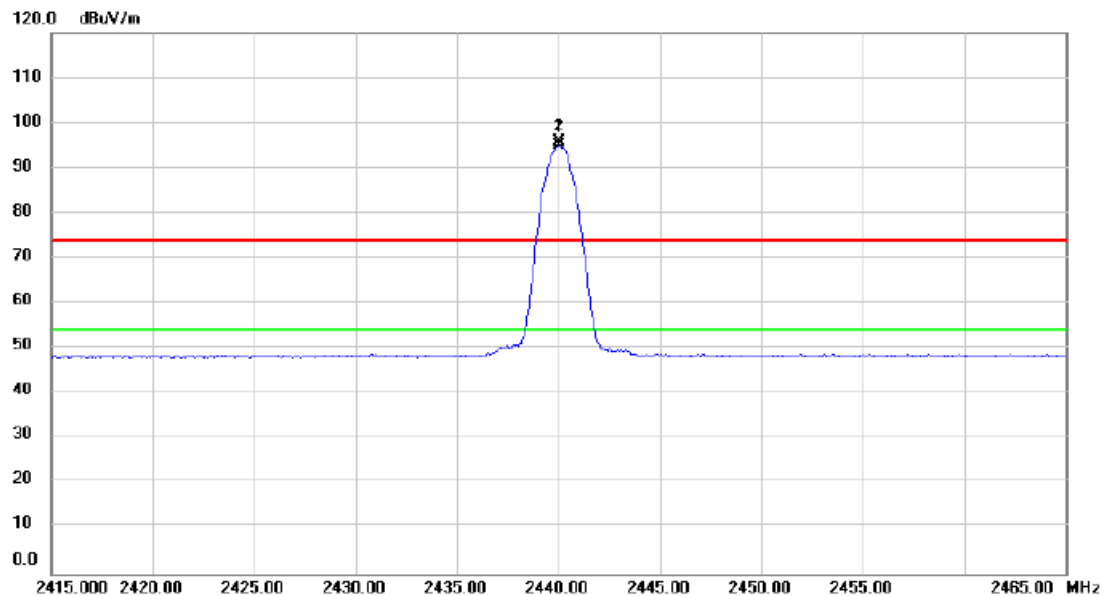
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		4804.000	58.20	-10.51	47.69	74.00	-26.31	peak	
2	*	4804.000	49.15	-10.51	38.64	54.00	-15.36	AVG	

Orthogonal Axis :	X
Test Mode :	TX 2440MHz_CH19_1Mbps (LCD Panel: EDT / ETML0700N0DH6A) built-in Camera

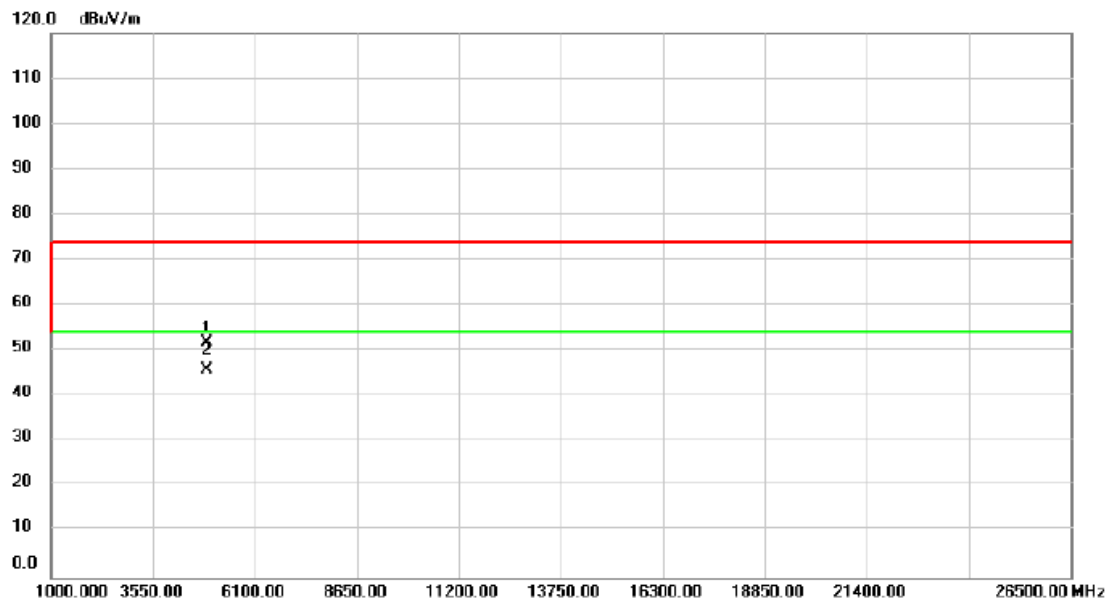
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	X	2440.000	63.86	31.90	95.76	74.00	21.76	peak	No Limit
2	*	2440.000	63.03	31.90	94.93	54.00	40.93	AVG	No Limit

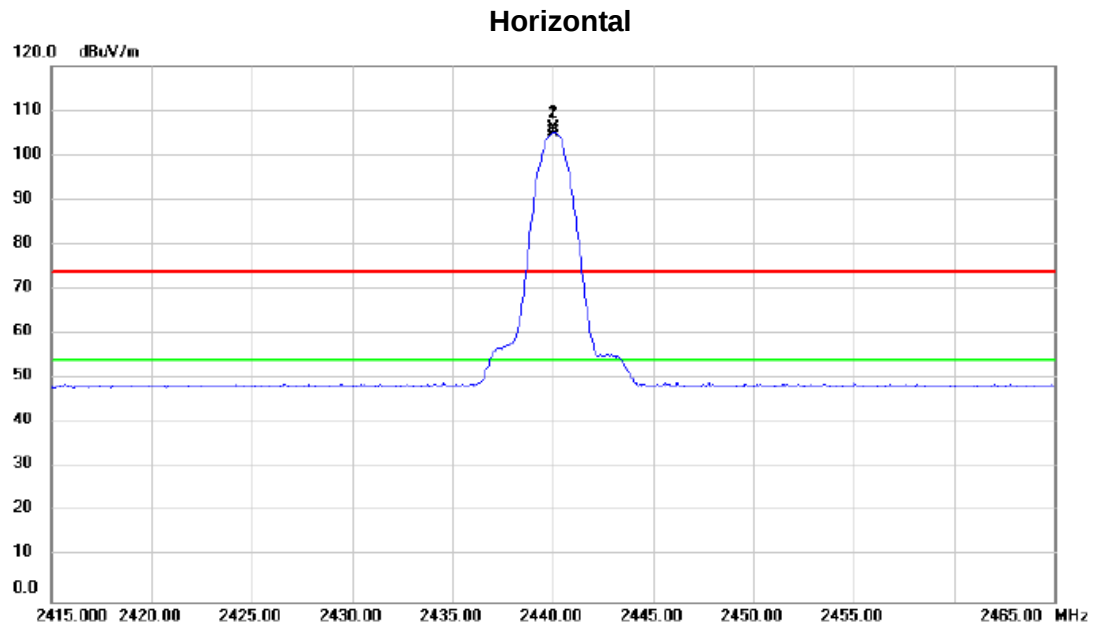
Orthogonal Axis :	X
Test Mode :	TX 2440MHz_CH19_1Mbps (LCD Panel: EDT / ETML0700N0DH6A) built-in Camera

Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		4880.000	62.22	-10.39	51.83	74.00	-22.17	peak	
2	*	4880.000	56.06	-10.39	45.67	54.00	-8.33	AVG	

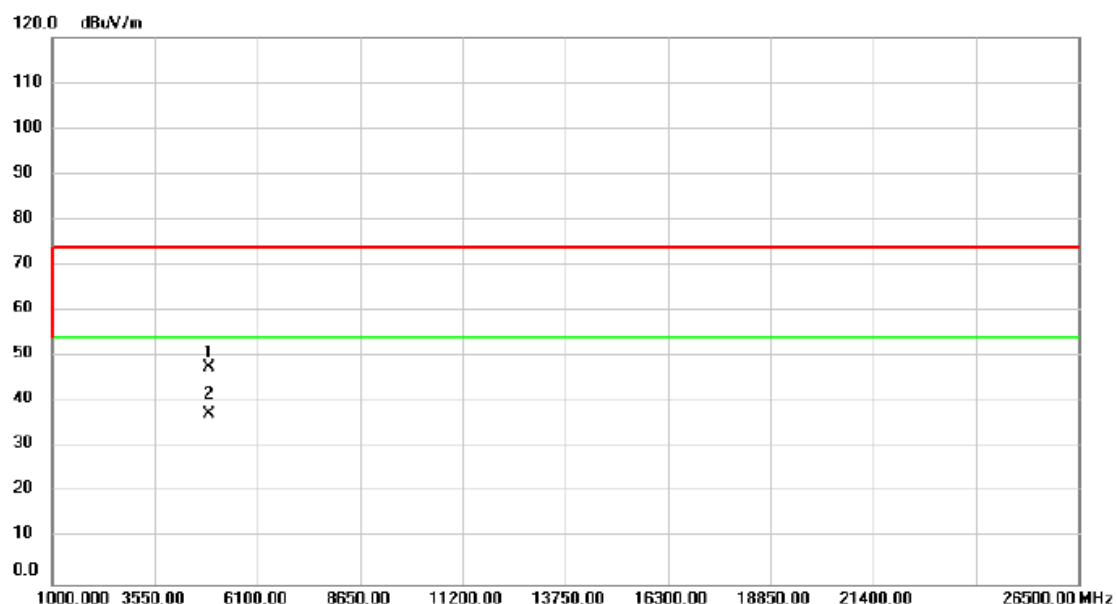
Orthogonal Axis :	X
Test Mode :	TX 2440MHz _CH19_ 1Mbps (LCD Panel: EDT / ETML0700N0DH6A) built-in Camera



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	X	2440.000	74.21	31.90	106.11	74.00	32.11	peak	No Limit
2	*	2440.000	73.38	31.90	105.28	54.00	51.28	AVG	No Limit

Orthogonal Axis :	X
Test Mode :	TX 2440MHz_CH19_1Mbps (LCD Panel: EDT / ETML0700N0DH6A) built-in Camera

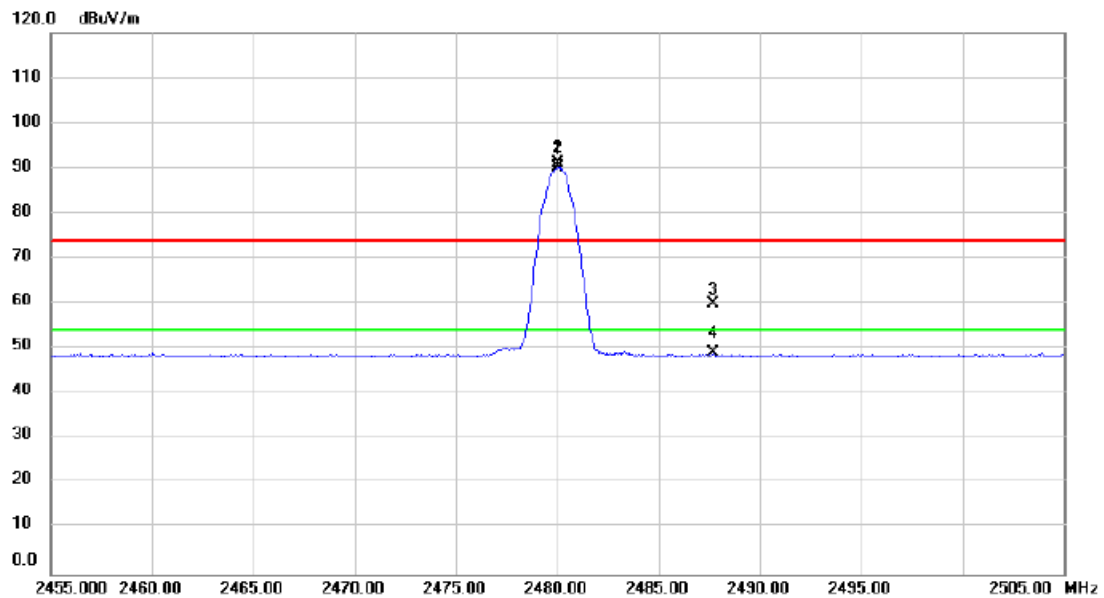
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4880.000	57.85	-10.39	47.46	74.00	-26.54	peak	
2	*	4880.000	47.78	-10.39	37.39	54.00	-16.61	AVG	

Orthogonal Axis :	X
Test Mode :	TX 2480MHz_CH39_1Mbps (LCD Panel: EDT / ETML0700N0DH6A) built-in Camera

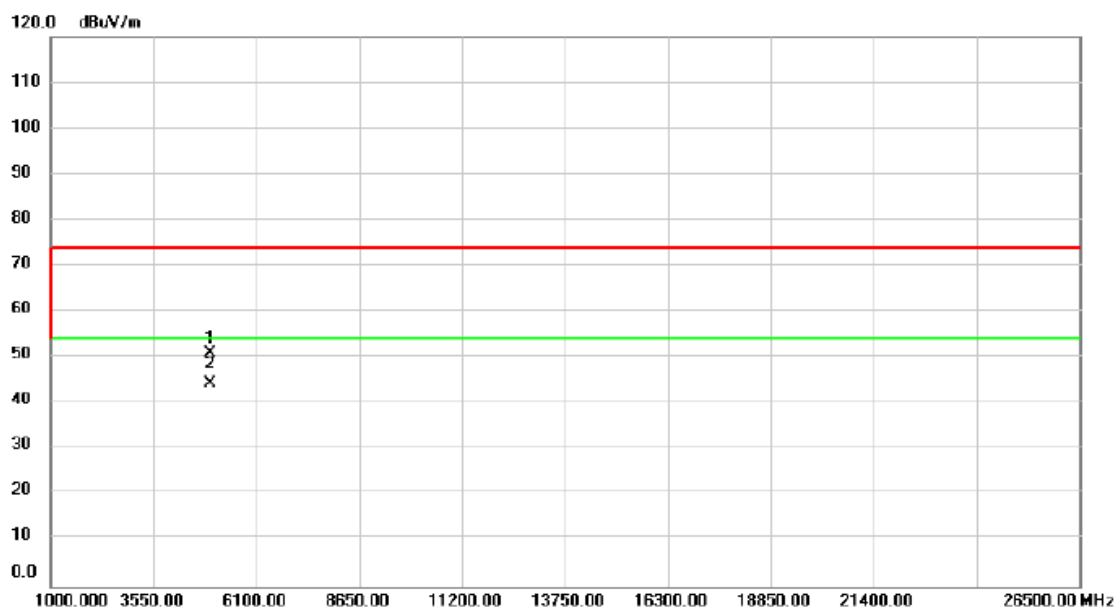
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	X	2480.000	58.95	32.05	91.00	74.00	17.00	peak	No Limit
2	*	2480.000	58.05	32.05	90.10	54.00	36.10	AVG	No Limit
3		2487.700	27.78	32.09	59.87	74.00	-14.13	peak	
4		2487.700	17.02	32.09	49.11	54.00	-4.89	AVG	

Orthogonal Axis :	X
Test Mode :	TX 2480MHz _CH39_ 1Mbps (LCD Panel: EDT / ETML0700N0DH6A) built-in Camera

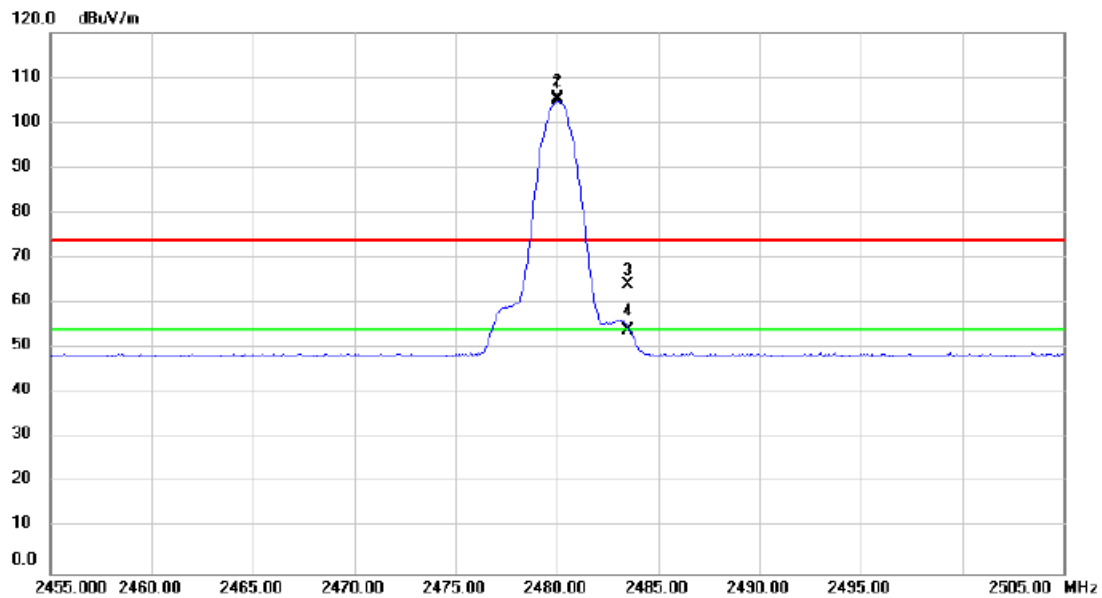
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		4960.000	61.25	-10.26	50.99	74.00	-23.01	peak	
2	*	4960.000	54.60	-10.26	44.34	54.00	-9.66	AVG	

Orthogonal Axis :	X
Test Mode :	TX 2480MHz _CH39_1Mbps (LCD Panel: EDT / ETML0700N0DH6A) built-in Camera

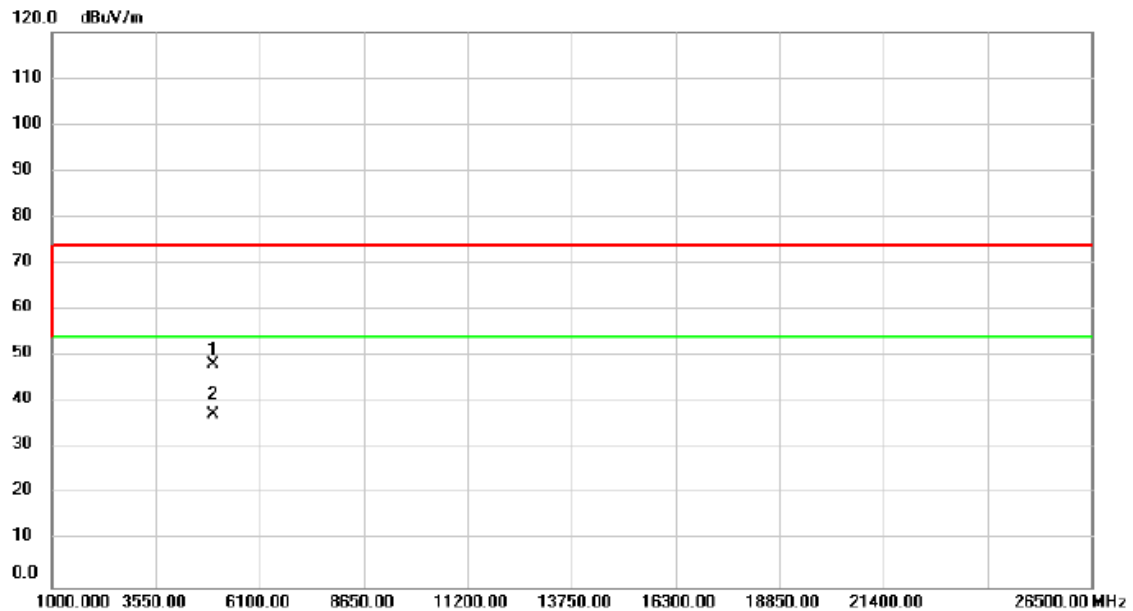
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	X	2480.000	73.51	32.05	105.56	74.00	31.56	peak	No Limit
2	*	2480.000	72.74	32.05	104.79	54.00	50.79	AVG	No Limit
3		2483.500	32.03	32.06	64.09	74.00	-9.91	peak	
4		2483.500	21.72	32.06	53.78	54.00	-0.22	AVG	

Orthogonal Axis :	X
Test Mode :	TX 2480MHz _CH39_ 1Mbps (LCD Panel: EDT / ETML0700N0DH6A) built-in Camera

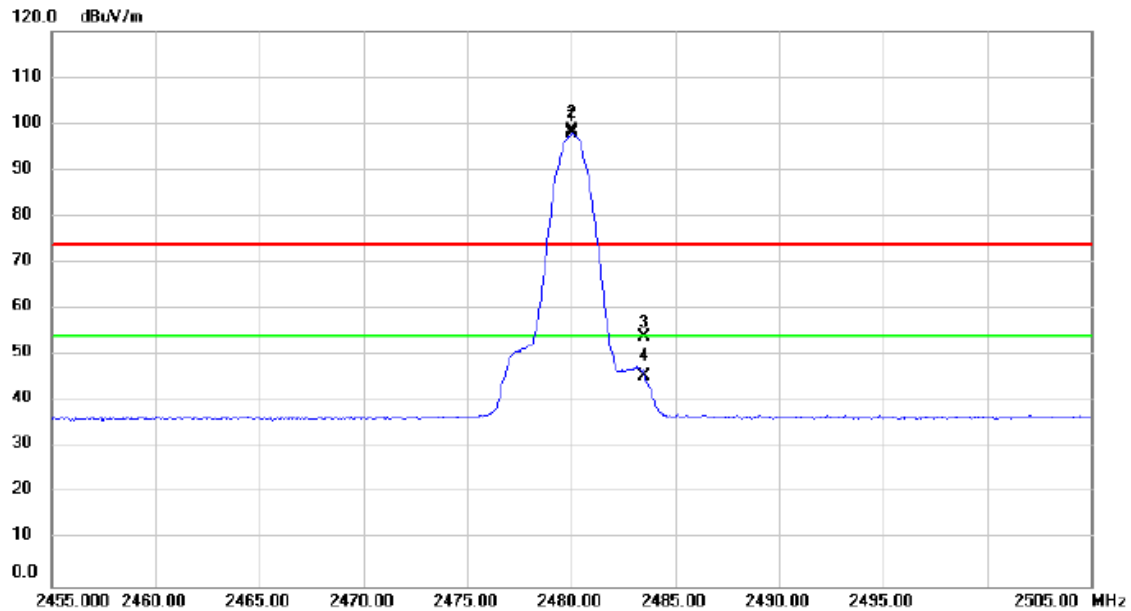
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4960.000	58.27	-10.26	48.01	74.00	-25.99	peak	
2	*	4960.000	47.54	-10.26	37.28	54.00	-16.72	AVG	

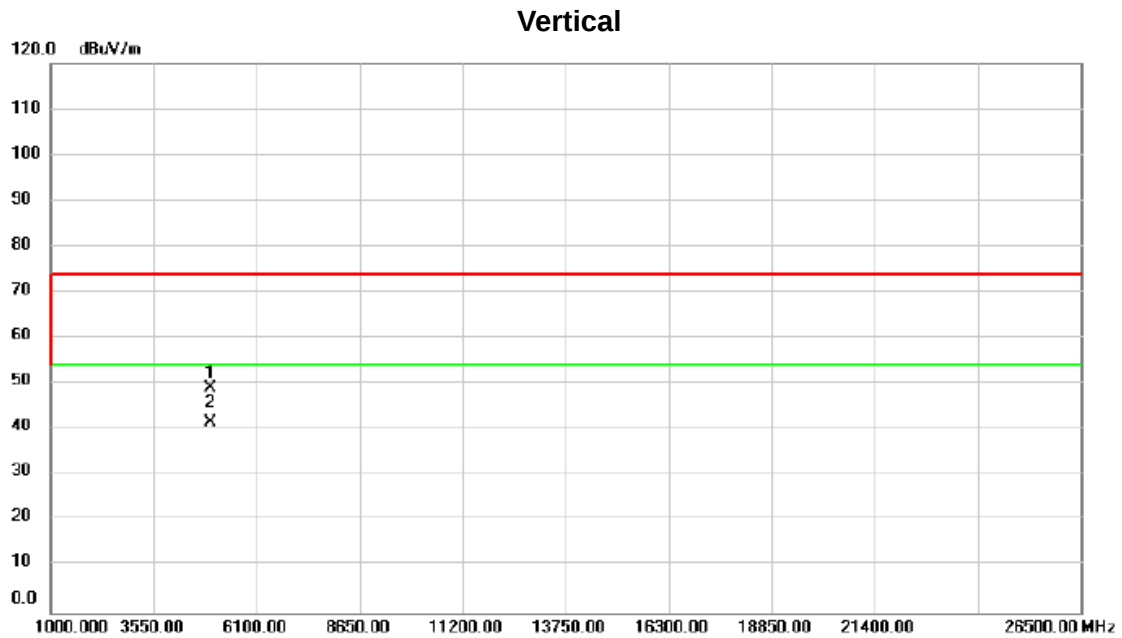
Orthogonal Axis :	X
Test Mode :	TX 2480MHz_CH39_1Mbps (LCD Panel: EDT / ETML0700N0DH6A) No Camera

Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	X	2480.000	66.46	32.05	98.51	74.00	24.51	peak	No Limit
2	*	2480.000	65.79	32.05	97.84	54.00	43.84	AVG	No Limit
3		2483.500	21.85	32.06	53.91	74.00	-20.09	peak	
4		2483.500	13.44	32.06	45.50	54.00	-8.50	AVG	

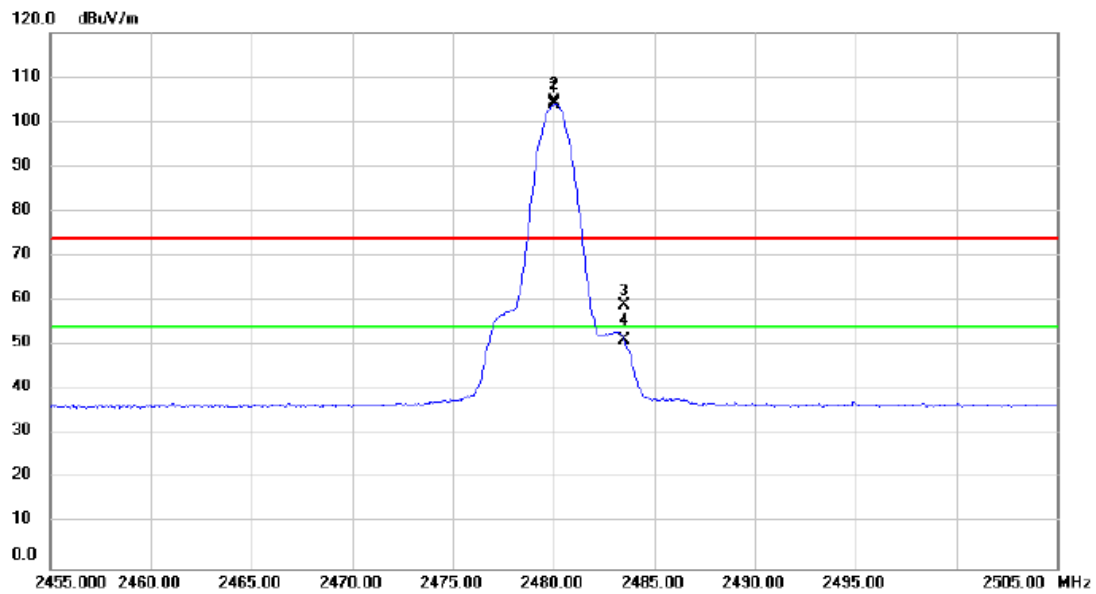
Orthogonal Axis :	X
Test Mode :	TX 2480MHz_CH39_1Mbps (LCD Panel: EDT / ETML0700N0DH6A) No Camera



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4960.000	59.21	-10.26	48.95	74.00	-25.05	peak	
2	*	4960.000	51.90	-10.26	41.64	54.00	-12.36	AVG	

Orthogonal Axis :	X
Test Mode :	TX 2480MHz _CH39_1Mbps (LCD Panel: EDT / ETML0700N0DH6A) No Camera

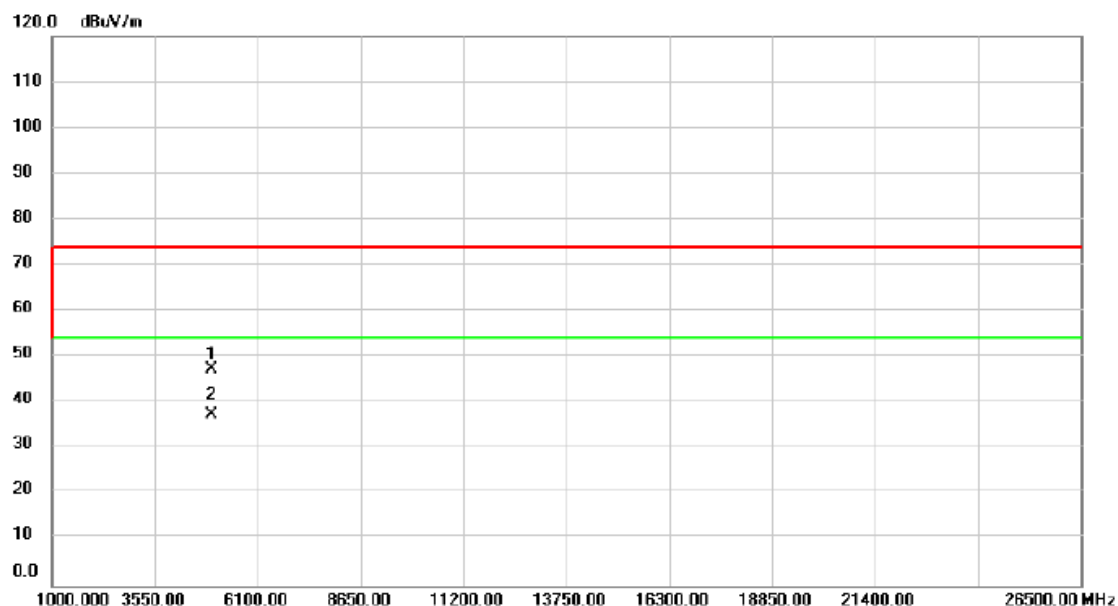
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	X	2480.000	72.58	32.05	104.63	74.00	30.63	peak	No Limit
2	*	2480.000	71.94	32.05	103.99	54.00	49.99	AVG	No Limit
3		2483.500	27.01	32.06	59.07	74.00	-14.93	peak	
4		2483.500	19.16	32.06	51.22	54.00	-2.78	AVG	

Orthogonal Axis :	X
Test Mode :	TX 2480MHz_CH39_1Mbps (LCD Panel: EDT / ETML0700N0DH6A) No Camera

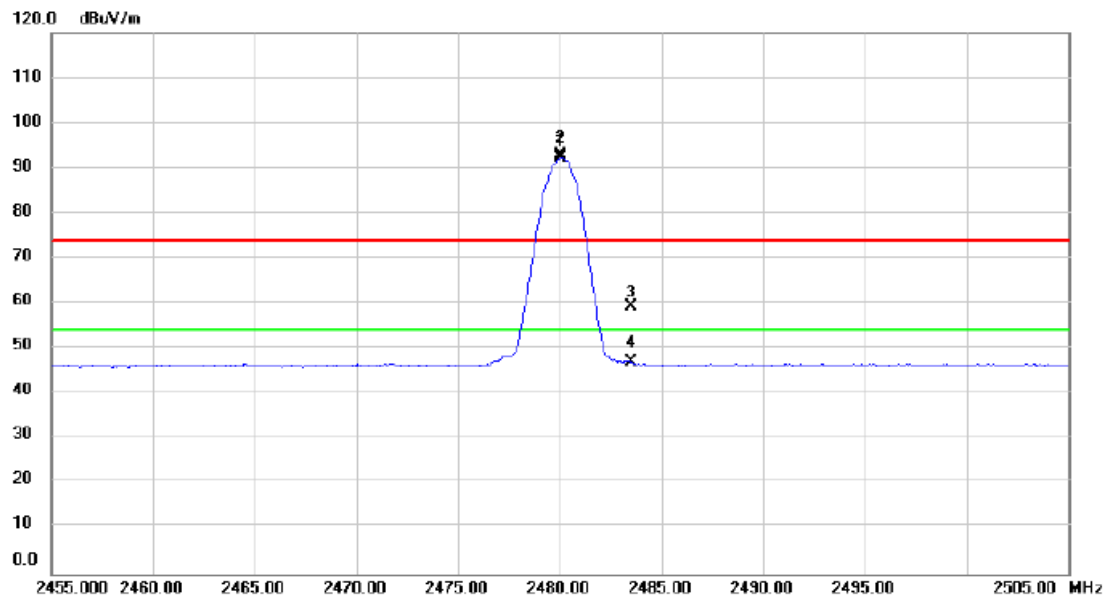
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		4960.000	57.51	-10.26	47.25	74.00	-26.75	peak	
2	*	4960.000	47.52	-10.26	37.26	54.00	-16.74	AVG	

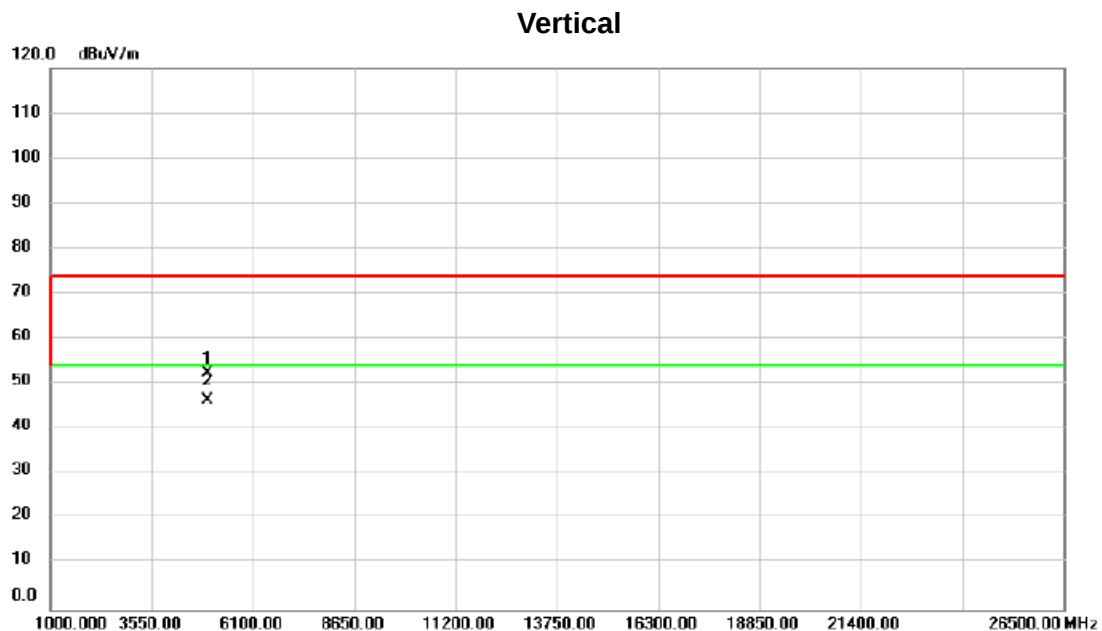
Orthogonal Axis :	X
Test Mode :	TX 2480MHz_CH39_1Mbps (LCD Panel: Truly / TDA-WSVGA0700H61480) built-in Camera

Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	X	2480.000	60.84	32.05	92.89	74.00	18.89	peak	
2	*	2480.000	60.19	32.05	92.24	54.00	38.24	AVG	
3		2483.500	27.27	32.06	59.33	74.00	-14.67	peak	
4		2483.500	14.86	32.06	46.92	54.00	-7.08	AVG	

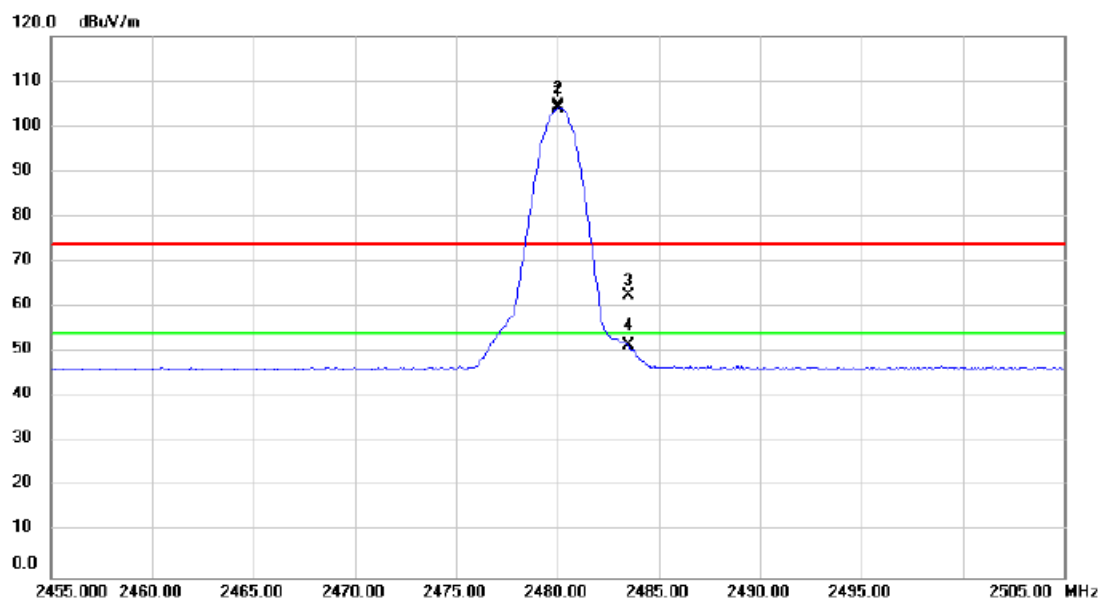
Orthogonal Axis :	X
Test Mode :	TX 2480MHz_CH39_1Mbps (LCD Panel: Truly / TDA-WSVGA0700H61480) built-in Camera



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4960.000	62.50	-10.26	52.24	74.00	-21.76	peak	
2	*	4960.000	56.61	-10.26	46.35	54.00	-7.65	AVG	

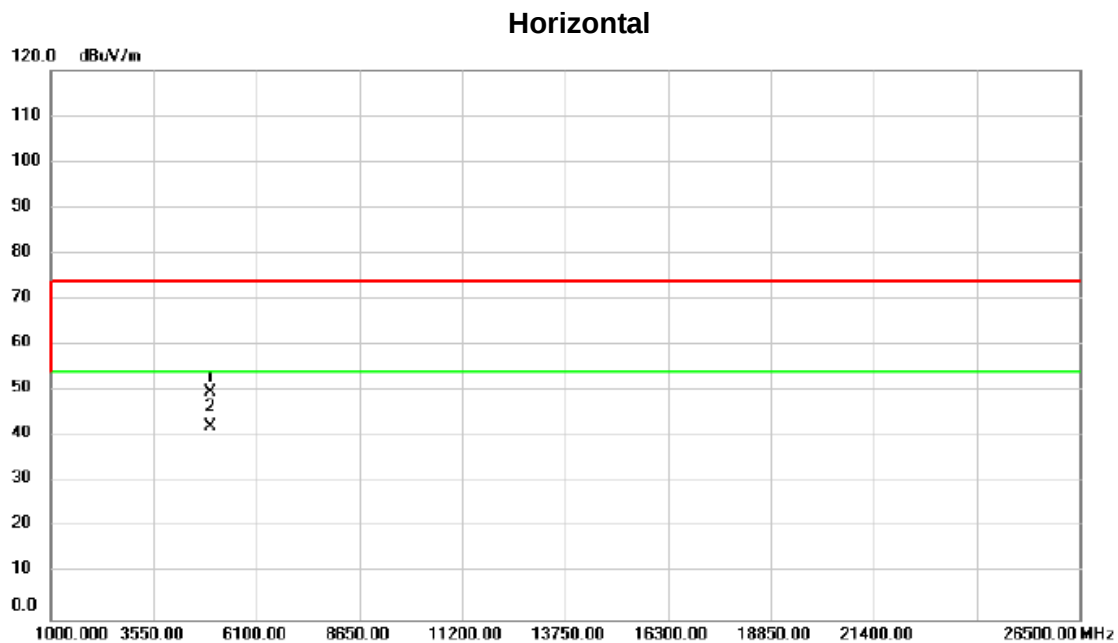
Orthogonal Axis :	X
Test Mode :	TX 2480MHz_CH39_1Mbps (LCD Panel: Truly / TDA-WSVGA0700H61480) built-in Camera

Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	X	2480.000	72.62	32.05	104.67	74.00	30.67	peak	
2	*	2480.000	72.05	32.05	104.10	54.00	50.10	AVG	
3		2483.500	30.39	32.06	62.45	74.00	-11.55	peak	
4		2483.500	19.33	32.06	51.39	54.00	-2.61	AVG	

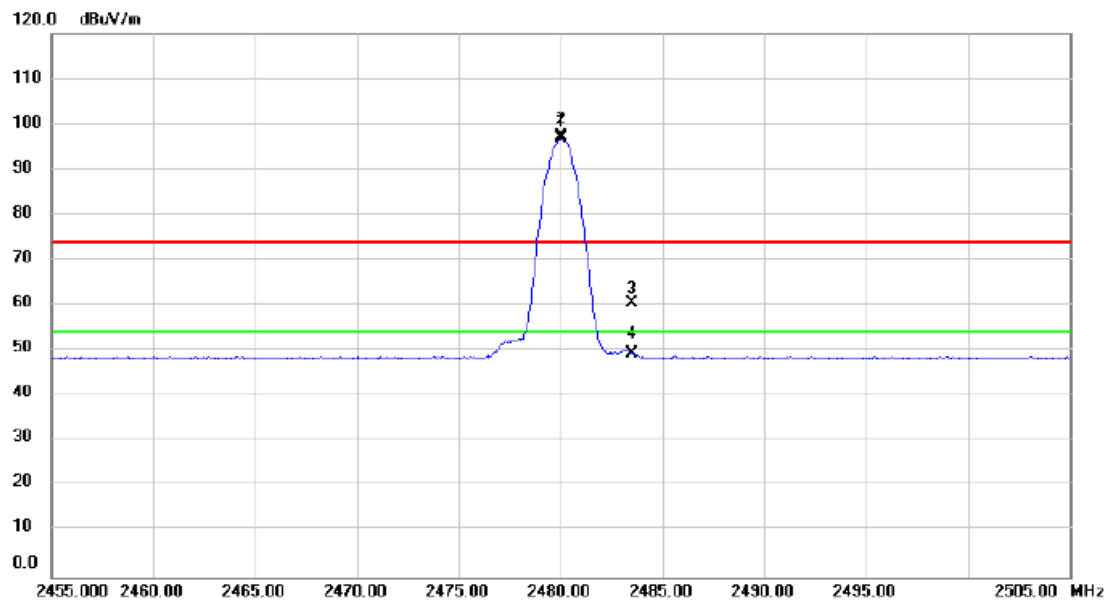
Orthogonal Axis :	X
Test Mode :	TX 2480MHz_CH39_1Mbps (LCD Panel: Truly / TDA-WSVGA0700H61480) built-in Camera



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		4960.000	60.04	-10.26	49.78	74.00	-24.22	peak	
2	*	4960.000	52.33	-10.26	42.07	54.00	-11.93	AVG	

Orthogonal Axis :	X
Test Mode :	TX 2480MHz_CH39_1Mbps (LCD Panel: Truly / TDA-WSVGA0700H61480) No Camera

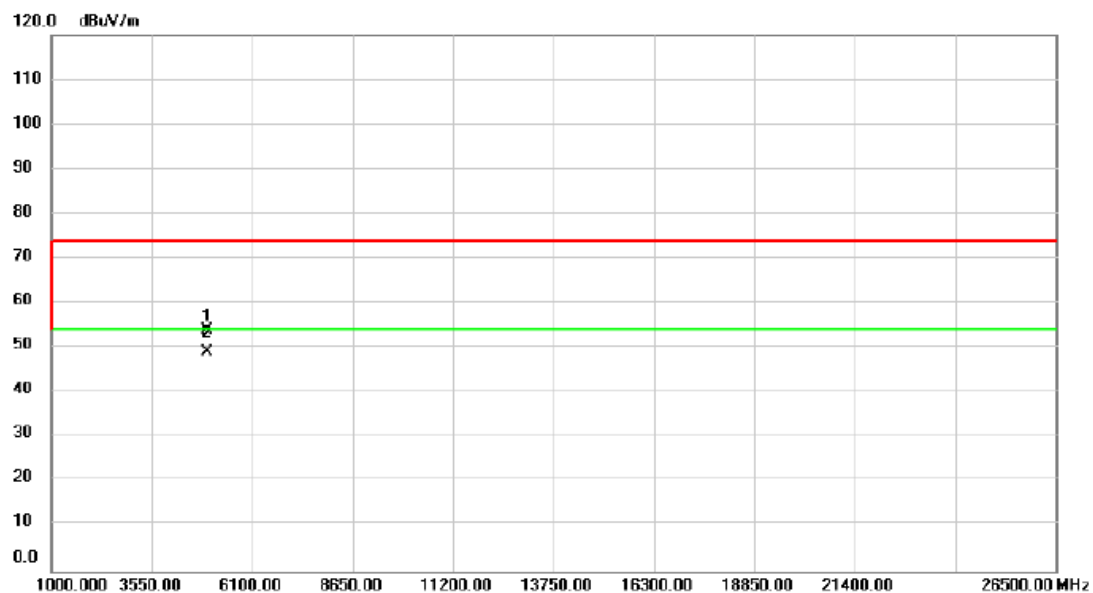
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	X	2480.000	65.39	32.05	97.44	74.00	23.44	peak	No Limit
2	*	2480.000	64.59	32.05	96.64	54.00	42.64	AVG	No Limit
3		2483.500	28.33	32.06	60.39	74.00	-13.61	peak	
4		2483.500	17.39	32.06	49.45	54.00	-4.55	AVG	

Orthogonal Axis :	X
Test Mode :	TX 2480MHz_CH39_1Mbps (LCD Panel: Truly / TDA-WSVGA0700H61480) No Camera

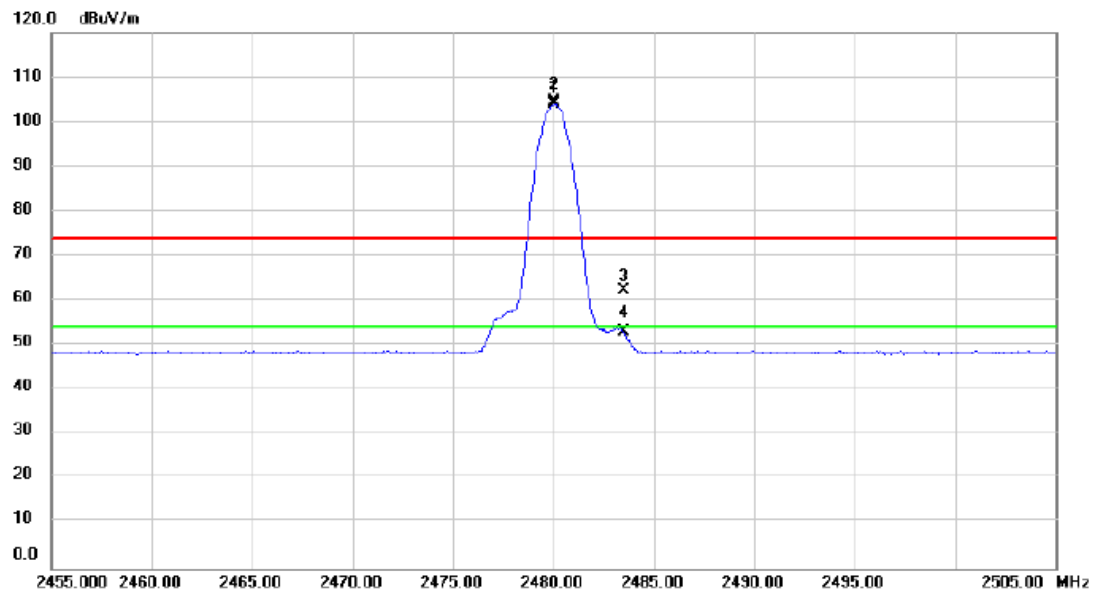
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4960.000	64.21	-10.26	53.95	74.00	-20.05	peak	
2	*	4960.000	59.18	-10.26	48.92	54.00	-5.08	AVG	

Orthogonal Axis :	X
Test Mode :	TX 2480MHz_CH39_1Mbps (LCD Panel: Truly / TDA-WSVGA0700H61480) No Camera

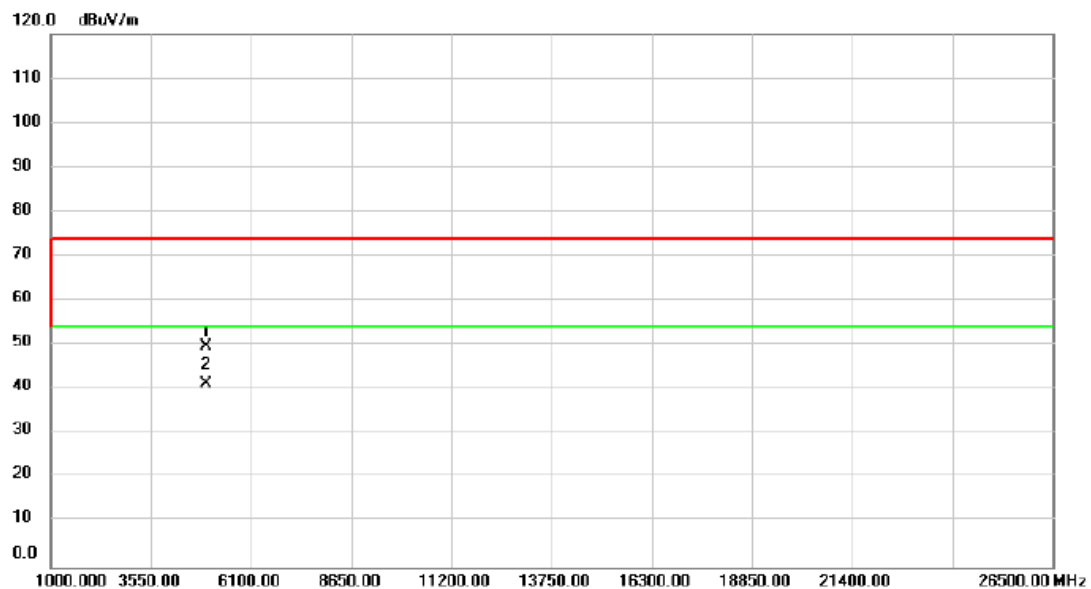
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	X	2480.000	72.61	32.05	104.66	74.00	30.66	peak	No Limit
2	*	2480.000	71.90	32.05	103.95	54.00	49.95	AVG	No Limit
3		2483.500	30.23	32.06	62.29	74.00	-11.71	peak	
4		2483.500	21.03	32.06	53.09	54.00	-0.91	AVG	

Orthogonal Axis :	X
Test Mode :	TX 2480MHz_CH39_1Mbps (LCD Panel: Truly / TDA-WSVGA0700H61480) No Camera

Horizontal

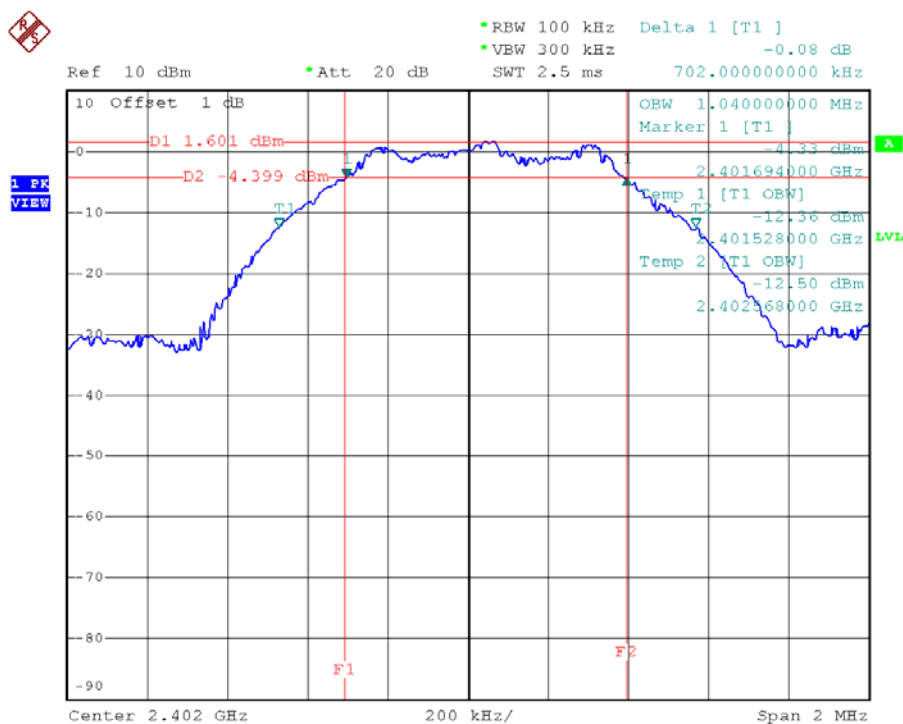


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		4960.000	59.95	-10.26	49.69	74.00	-24.31	peak	
2	*	4960.000	51.60	-10.26	41.34	54.00	-12.66	AVG	

ATTACHMENT E - BANDWIDTH

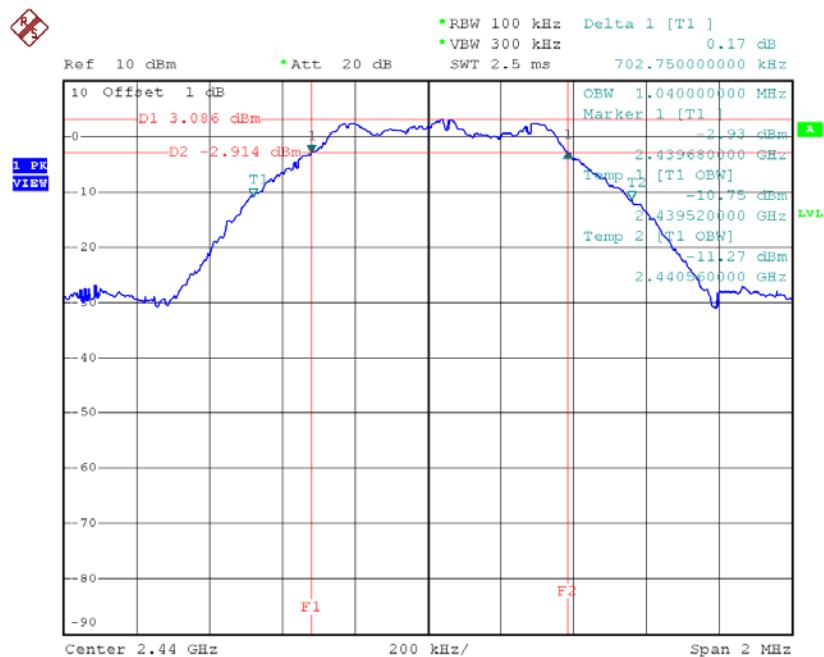
Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied BW (MHz)	Min. Limit (kHz)	Test Result
2402	0.70	1.04	500	Complies
2440	0.70	1.04	500	Complies
2480	0.70	1.04	500	Complies

TX CH00



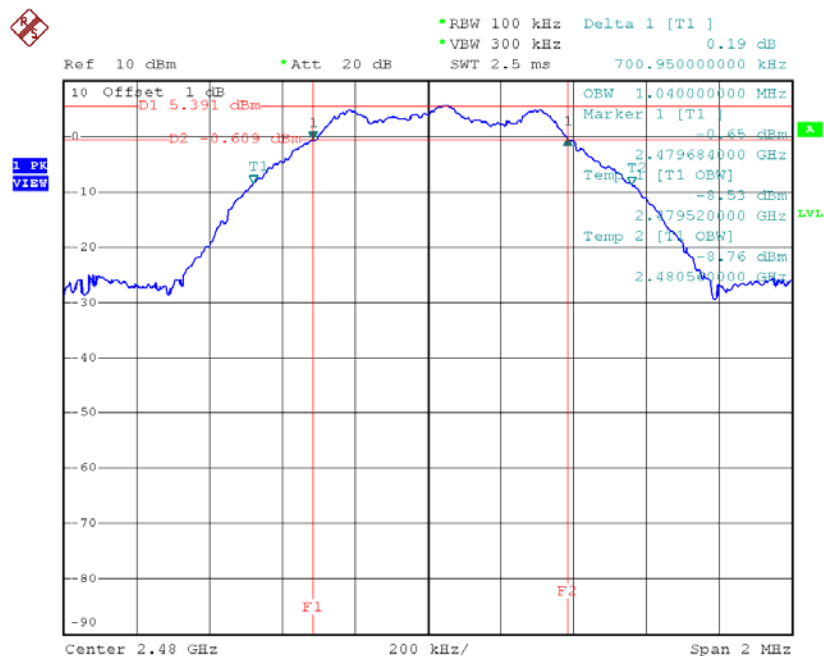
Date: 30.MAY.2016 21:29:05

TX CH19



Date: 30.MAY.2016 21:30:54

TX CH39



Date: 30.MAY.2016 21:32:05

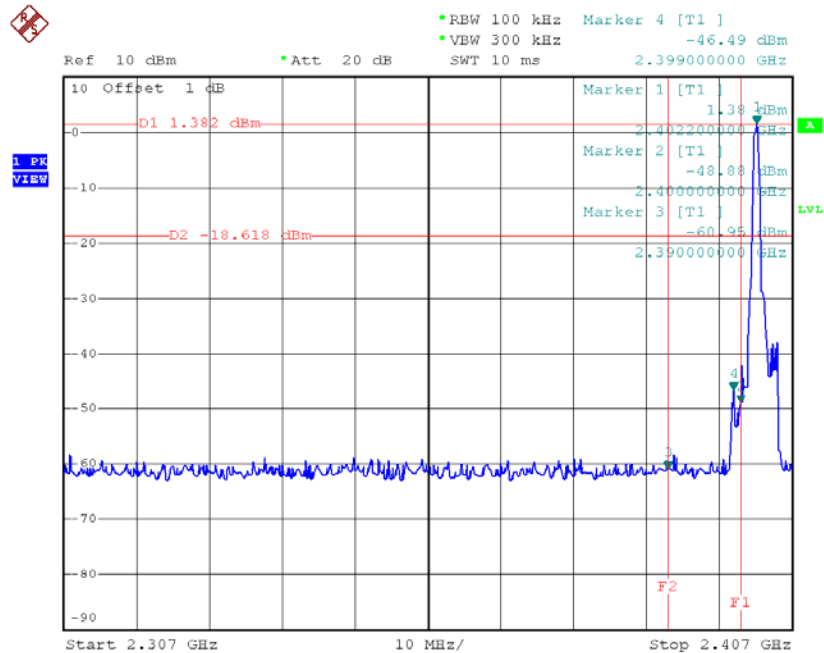
ATTACHMENT F - MAXIMUM OUTPUT POWER TEST

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (Watt)	Max. Limit (dBm)	Max. Limit (Watt)	Test Result
2402	2.10	0.0016	30.00	1.00	Complies
2440	3.54	0.0023	30.00	1.00	Complies
2480	5.50	0.0035	30.00	1.00	Complies

ATTACHMENT G - ANTENNA CONDUCTED SPURIOUS EMISSION

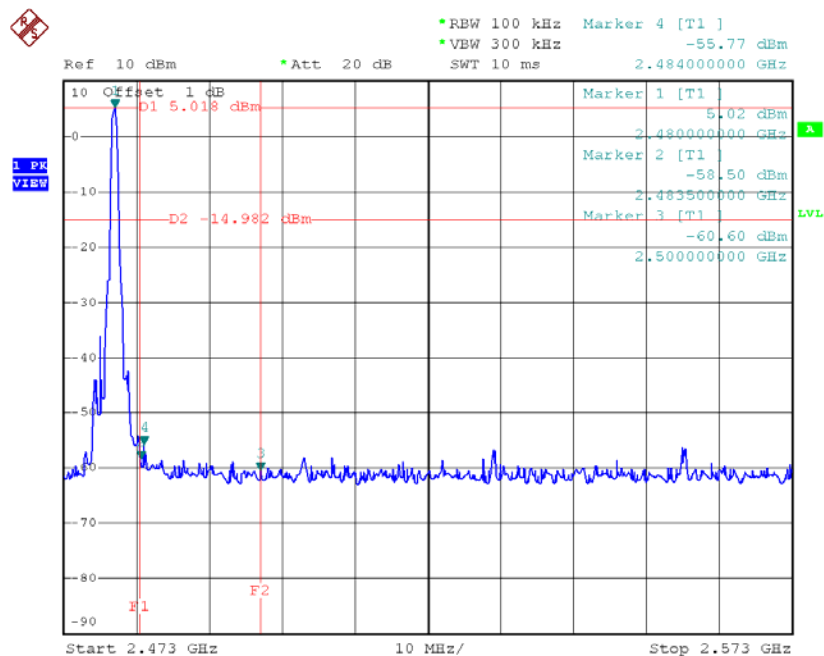
Test Mode : CH00, CH19 , CH39 - 1Mbps

CH00 (Lower) - 1Mbps



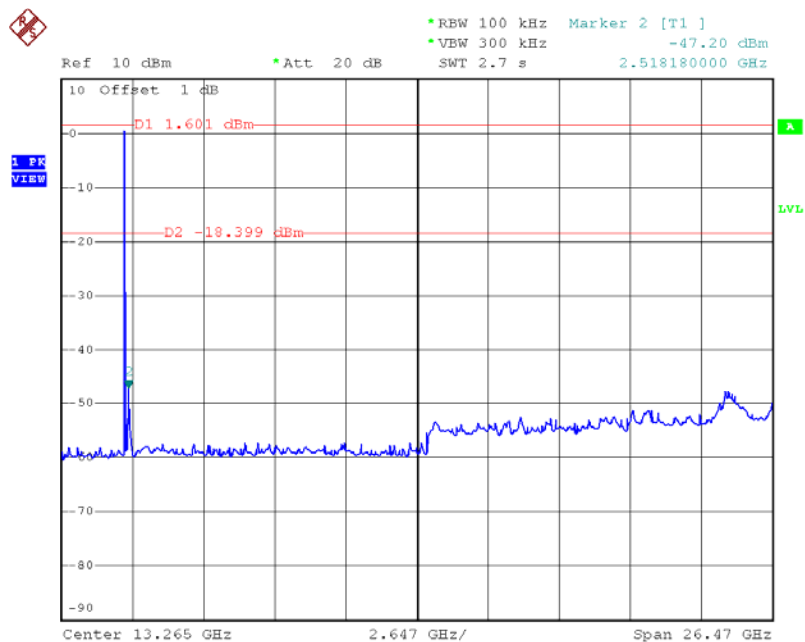
Date: 30.MAY.2016 21:29:28

CH39 (upper) - 1Mbps



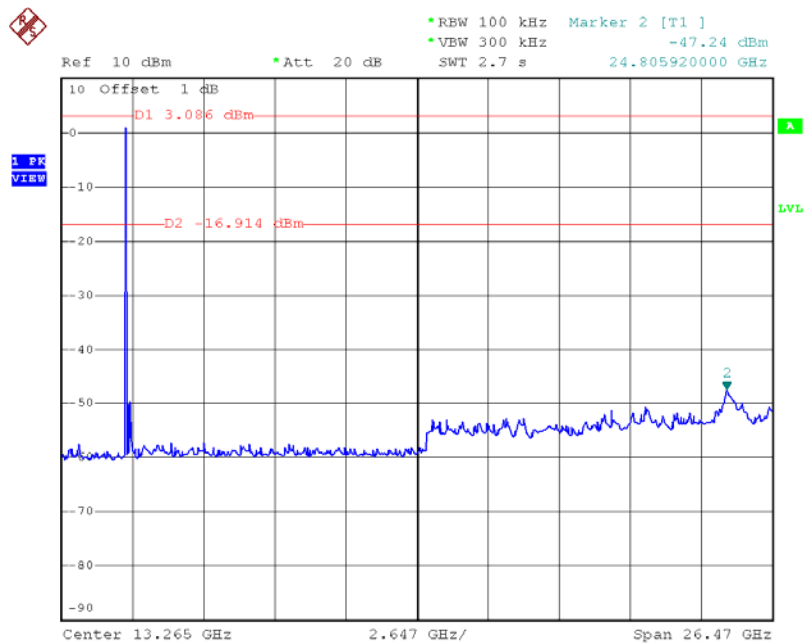
Date: 30.MAY.2016 21:32:29

CH00 (10 Harmonic of the frequency)



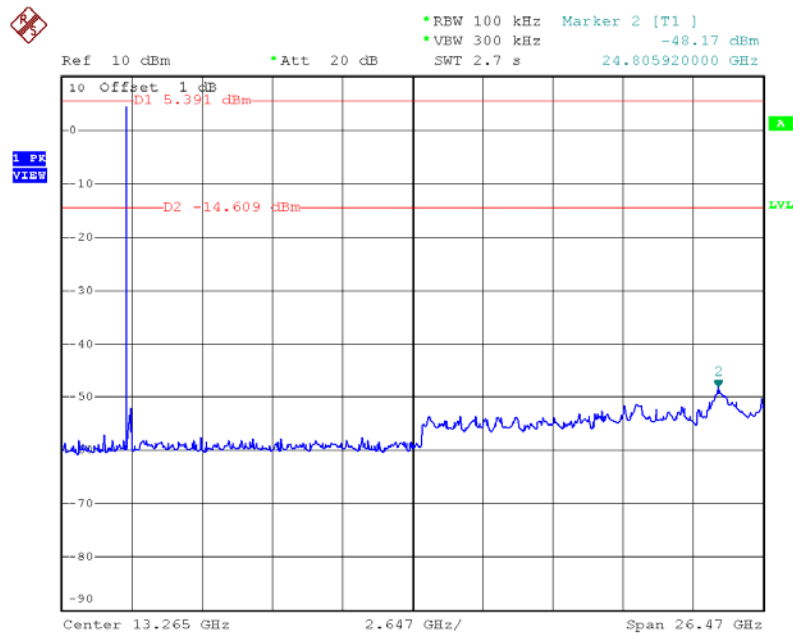
Date: 30.MAY.2016 21:55:40

CH19 (10 Harmonic of the frequency)



Date: 30.MAY.2016 21:53:42

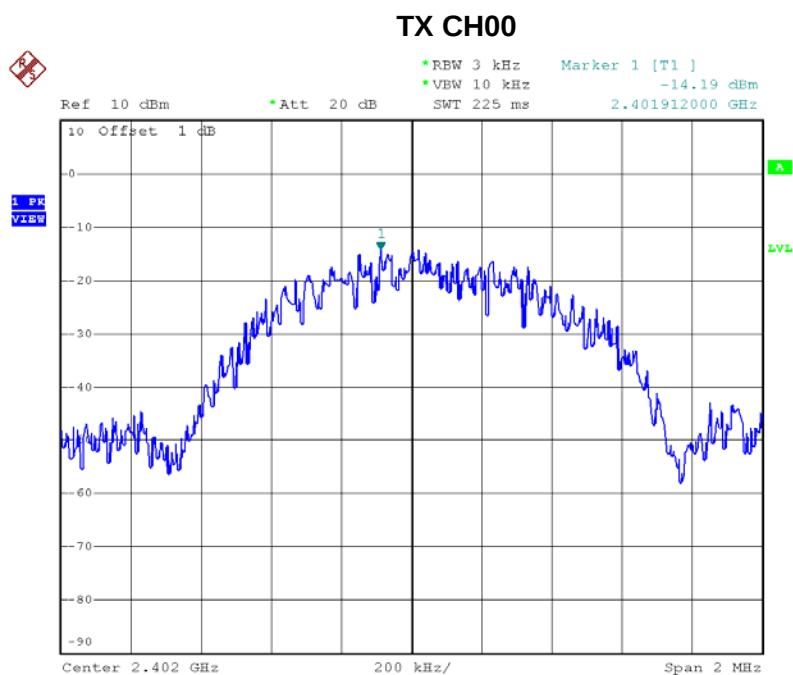
CH39 (10 Harmonic of the frequency)



Date: 30.MAY.2016 21:51:18

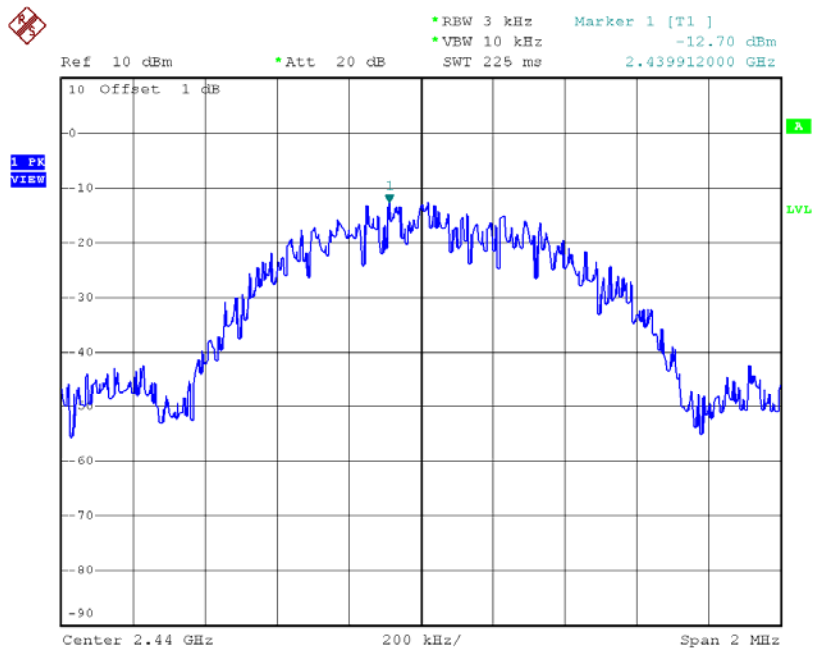
ATTACHMENT H - POWER SPECTRAL DENSITY TEST

Frequency (MHz)	Power Density (dBm)	Max. Limit (dBm)	Result
2402	-14.19	8	Complies
2440	-12.70	8	Complies
2480	-10.47	8	Complies



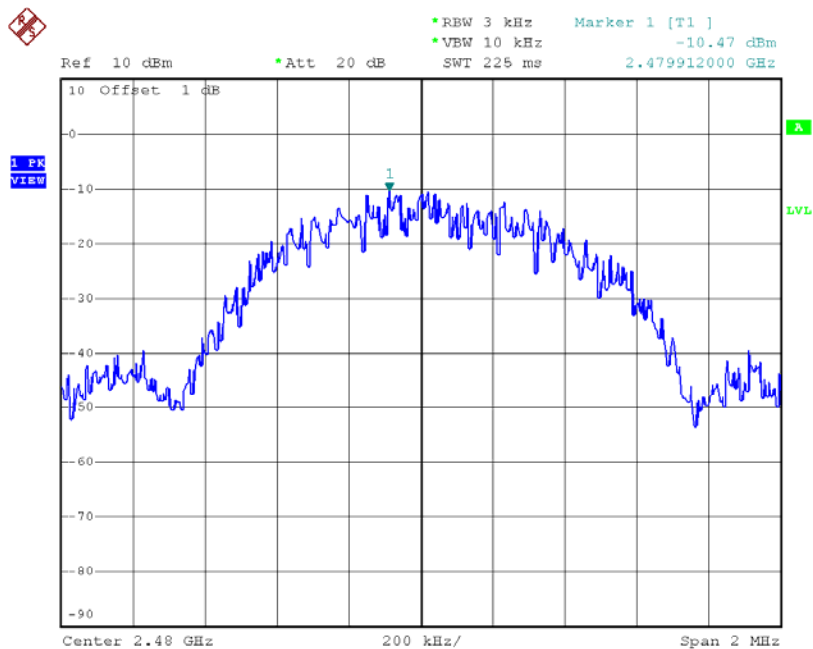
Date: 30.MAY.2016 21:29:51

TX CH19



Date: 30.MAY.2016 21:31:11

TX CH39



Date: 30.MAY.2016 21:32:46