

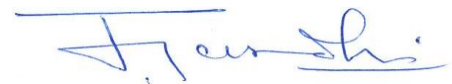
NCC RADIO TEST REPORT

Product name	液晶顯示器
Applicant	AFASTOR CONRPORATION
Manufacture	Shen Zhen MTC Co., LTD
Factory	N/A
Rating(s)	AC100-240V,50/60Hz, 1.8A,150W
Trademark	Haier
Model and/or type reference	LE55Q6500U
Standard	LP0002:2018
Test Result	PASS

Date of receipt : 11-23-2018

Date of Issue : 12-19-2018

signature :



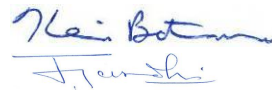
NCC RADIO TEST REPORT

Report Reference No......: M80620J585-01R1

Compiled by (+ signature) Kevin Bothmann

Approved by (+ signature)..... Jay Gandhi

Date of issue.....: 2018-12-19



Applicant's name: AFASTOR CONRPORATION

Address: 6F-3, NO. 432, SEC. 1, KEELUNG RD. SINYI DIST., TAIPEI CITY 110, TAIWAN

Manufacture's Name: Shen Zhen MTC Co., LTD

Address: MTC Industry Park, 1st Lilang Road, Xialilang community, Nanwan street, Longgang district, Shenzhen, China

Factory's Name: N/A

Address: N/A

Test specification:

Standard: LP0002: 2018

Test procedure: EIA 603、ANSI、FCC/47 CFR/2.1046、2.1047、2.1049、2.1051、2.1053 and 2.1055

Non-standard test method.....: N/A

Test item description

Product name: 液晶顯示器

Trademark: Haier

Model and/or type reference: LE55Q6500U

Rating(s).....: AC100-240V,50/60Hz, 1.8A,150W

Testing Laboratory information:

Testing Laboratory Name: Electro Magnetic Test, Inc.

Address: 1547 Plymouth Street, Mountain View, CA 94043

CAB Identifier Number: US0036

Tel: (650) 965-4000

Fax: (650) 965-3000

E-mail.....: jgandhi@emtlabs.com

Testing.....:

Date of receipt of test item.....: March 19, 2018& November 23, 2018

Date (s) of performance of tests.....: March 19~ April 3, 2018& November 23~December 11, 2018

Date of Issue: December 19, 2018

Test Result.....: **Pass**

GENERAL REPORT SUMMARY

This electromagnetic emission test report is generated by Electro Magnetic Test, Inc., which is an independent testing and consulting firm. The test report is based on testing performed Electro Magnetic Test, Inc. personnel according to the measurement procedure described in the test specification given below and in the "Test Procedures" section of this report.

The measurement data and conclusions appearing herein relate only to the sample tested and this report may not be reproduced in any form unless done so in full.

This report must not be used to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the U.S. Federal Government.

Electro Magnetic Test, Inc. is recognized by the following agencies for performing EMI/EMC testing:

COUNTRY	AGENCY	IDENTIFYING #
USA	Federal Communications Commission (FCC) (EMT's test site is recognized by the FCC)	Registration Number: 90576
USA, Canada, Taiwan, Australia/New Zealand, European Community	National Voluntary Lab Accreditation Program (NVLAP) (EMT is accredited by NVLAP. A copy of the NVLAP Scope Of Accreditation is available upon request.)	Lab Code: 200147-0
Canada	Industry Canada	File No.: IC 2804
Japan	Voluntary Control Council For Interference (VCCI)	See Below
	Open Field Test Site "A"	R-589
	Mains Conducted Emissions Test Site "A"	C-604
	Telecom Conducted Emissions Test Site "A"	T-1655
	3 Meter Semi-Anechoic Chamber Site "E"	R-3227
	3 Meter Semi-Anechoic Chamber Site "E" (1GHz – 6GHz)	G-219
	Mains Conducted Emissions Test Site "E"	C-35793
	Telecom Conducted Emissions Test Site "E"	T-1715
Korea	Ministry of Information and Communication's Radio Research Laboratory (RRL) under the Asia Pacific Economic Cooperation (APEC) Mutual Recognition Arrangement (A copy of the Scope Of Accreditation is available upon request)	US0036
Taiwan	Bureau Of Standards, Metrology and Inspection (BSMI)	Reference Number: SL2-IN-E-1024
Australia / New Zealand	Australian Communications Authority (AUSTEL)	*

***THESE AGENCIES DO NOT ISSUE AN IDENTIFYING NUMBER TO TEST LABS.**

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1. SUMMARY OF TEST RESULTS

Test procedures according to the technical standards:

LP0002 : 2011 revised			
Standard Section	Test Item	Judgment	Remark
2.3	Conducted Emission	PASS	None
3.10.1(5)/2.8	Radiated Spurious Emission	PASS	None
3.10.1(2)	Peak Output Power	PASS	None
3.10.1(6.2.1)	6dB Occupied Bandwidth	PASS	None
3.10.1(6.2.2)	Power Density	PASS	None
3.10.1(5)/2.8	Restricted Bands	PASS	None
3.10.1(5)/2.8	Antenna Conducted Spurious Emission	PASS	None
3.10.1(3)	Antenna Requirement	PASS	None
3.10.1(5)/2.3/2.8	Receiver Emissions	PASS	None

NOTE:

- (1) "N/A" denotes test is not applicable in this test report.
- (2) Original report please refer to M80620J585-01 on 04-03-2018.
- (3) The applicant updates the COF board and the T-CON board. After reassessment, the conducted emission, spurious emission were re-tested and recorded in this report. Take the internal photos again and add it.

1.1 MEASUREMENT UNCERTAINTY

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

No.	Item	Uncertainty
1	Conducted Emission Test	1.38dB
2	Radiated Emission Test	3.17dB
3	RF power,conducted	0.16dB
4	Spurious emissions,conducted	0.21dB
5	All emissions,radiated(<1G)	4.68dB
6	All emissions,radiated(>1G)	4.89dB

2. GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF EUT

Equipment	液晶顯示器	
Trade Name	Haier	
Model Name	LE55Q6500U	
OEM Brand/Model Name	N/A	
Product Description	The EUT is a 液晶顯示器	
	Operation Frequency:	2412~2462 MHz@802.11b/g/n20 2422~2452 MHz@802.11n40
	Modulation Type:	BPSK/QPSK16-QAM/64-QAM
	Bit Rate of Transmitter	802.11b: 1/2/5.5/11Mbps 802.11g: 6/9/12/18/24/36/48/54Mbps 802.11n: up to 450Mbps
	Number Of Channel	Please see Note 2.
	Antenna Designation:	PIFA Antenna
	Antenna Gain(Peak)	0.6 dBi
	Output Power:	802.11b: 17.20dBm 802.11g: 20.77dBm 802.11n20: 19.39dBm 802.11n40: 18.99dBm
Channel List	Please refer to the Note 2.	
Power Rating	AC100-240V,50/60Hz, 1.8A,150W	
Connecting I/O Port(s)	Please refer to the User's Manual	
Products Covered	N/A	
EUT Modification(s)	N/A	

Note:

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

2.

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

Channel List							
802.11n(40M)							
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
3	2422	7	2442	/	/	/	/
4	2427	8	2447	/	/	/	/
5	2432	9	2452	/	/	/	/
6	2437	/	/	/	/	/	/

3.

Table for Filed Antenna

Ant	Manufacturer	Model Name	Antenna Type	Connector	Gain (dBi)	NOTE
	SHENZHNE B&T TECHNOLOGY Co.,Ltd	F88ETUM35	PIFA Antenna	N/A	0.6	N/A

2.2 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	802.11b: All Rate
Mode 2	802.11g: All Rate
Mode 3	802.11n(20M): All Rate
Mode 4	802.11n(40M): All Rate

For Conducted Emission	
Final Test Mode	Description
TX	TX(worst case)
RX	RX(worst case)

For Radiated Emission	
Final Test Mode	Description
RX	RX(worst case)
TX	802.11b: Rate 1Mbps
TX	802.11g: Rate 6Mbps
TX	802.11n(20M) : Rate 6.5Mbps
TX	802.11n(40M) : Rate 13.5Mbps

Note:

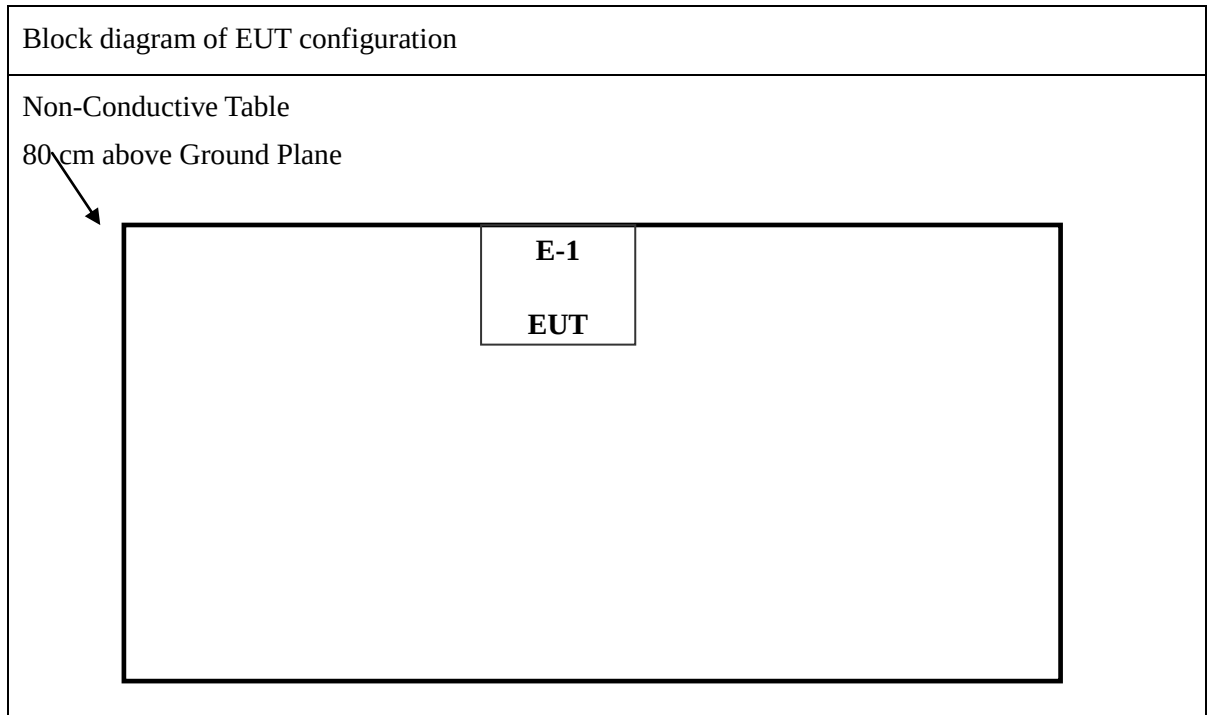
(1) The measurements are performed at the highest, middle, lowest available channels.

2.3 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.

Test software Version	Test program: Wifi transmit		
Frequency	2412 MHz	2437 MHz	2462 MHz
Frequency	2422 MHz	2437 MHz	2452 MHz

2.4 BLOCK DIGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED



2.5 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.	FCC ID	Series No.	Note
E-1	液晶顯示器	N/A	LE55Q6500U	N/A	N/A	EUT

Item	Shielded Type	Ferrite Core	Length	Note
N/A	N/A	N/A	N/A	N/A

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.
- (3) “YES” means “shielded” or “with ferrite core”; “NO” means “unshielded” or “without ferrite core”

2.5.1 EQUIPMENTS LIST FOR ALL TEST ITEMS

EQUIPMENT TYPE	MANU-FACTURER	MODEL NUMBER	SERIAL NUMBER	CAL. DATE	CAL. CYCLE
Spectrum Analyzer	Hewlett Packard	8566B	3013A07296	April 29, 2018	1 Year
RF Preselector	Hewlett Packard	85685A	3010A01157	April 29, 2018	1 Year
Quasi-Peak Adapter	Hewlett Packard	85650	2521A00584	April 29, 2018	1 Year
Preamplifier	Com Power	PA-102	1482	April 29, 2018	1 Year
RF Attenuator	Mini-Circuits	CAT-10	Asset #1000	December 8, 2018	1 Year
LISN	Com Power	LI-200	12012	September 10, 2018	1 Year
LISN	Com Power	LI-200	12214	September 10, 2018	1 Year
LISN	Com Power	LI-200	1767	September 10, 2018	1 Year
LISN	Com Power	LI-200	1768	September 10, 2018	1 Year
Biconical Antenna	Com Power	AB-100	01557	December 29, 2017	1 Year
Log Periodic Antenna	Com Power	AL-100	16037	December 22, 2017	1 Year
Horn Antenna	Com Power	AHA-118	711054	December 22, 2017	1 Year
Antenna Mast	Com Power	AM-400	N/A	N/A	N/A
Turntable	Com Power	TT-100	N/A	N/A	N/A
Computer	Dell, Inc.	DHS	DNSV641	N/A	N/A
Printer	Hewlett Packard	C8124A	CN39B2234T	N/A	N/A
Plotter	Hewlett Packard	7470A	2308A96499	N/A	N/A

EMI Test Equipment (Continued)

EQUIPMENT TYPE	MANU-FACT URER	MODEL NUMBER	SERIAL NUMBER	CAL. DATE	CAL. CYCLE
EMI Receiver	Rohde & Schwarz	ESU40	100127	June 12, 2018	1 Year
BiConiLog Antenna	ETS-Lindgren	3142D	00102183	August 14, 2018	1 Year
Horn Antenna	ETS-Lindgren	3117	00109294	May 6, 2018	1 Year
Preamplifier	Rohde & Schwarz	TS-PR18	100056	June 12, 2018	1 Year
Antenna Mast	ETS-Lindgren	2175	00095727	N/A	N/A
Turntable	ETS-Lindgren	2187-3.0	00118231	N/A	N/A
Computer	Acer	Aspire 8930	85100050123	N/A	N/A
Multi-Function Controller	ETS-Lindgren	2090	00102270	N/A	N/A
Loop Antenna	ARA	PLA-1030/B	1029	May 19, 2018	1 Year

3. EMC EMISSION TEST

3.1 CONDUCTED EMISSION MEASUREMENT

3.1.1 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 *	LP0002
0.50 -5.0			56.00	46.00	LP0002
5.0 -30.0			60.00	50.00	LP0002

Note:

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

The following table is the setting of the receiver

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

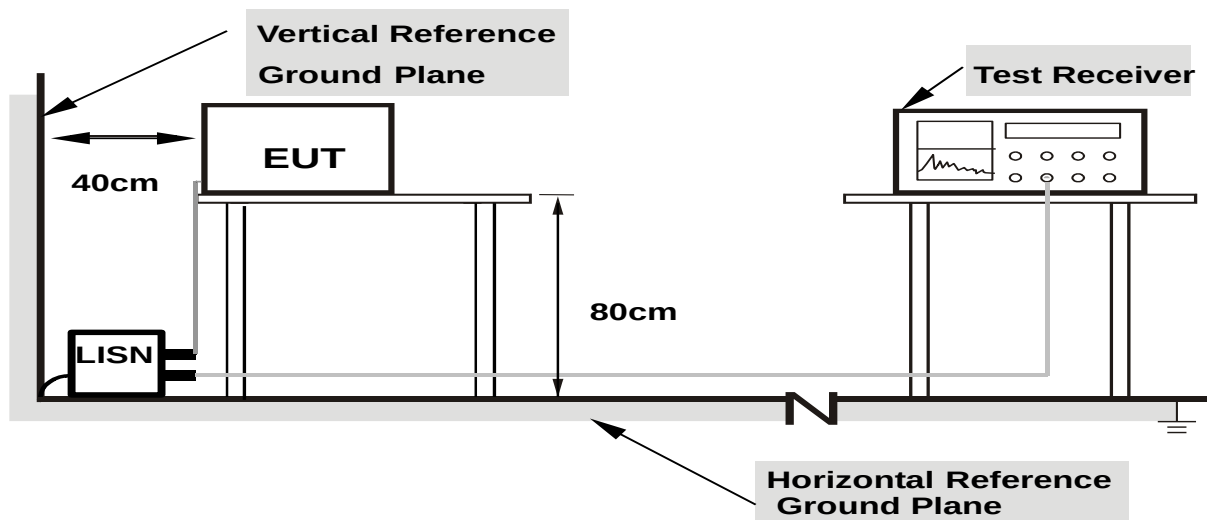
3.1.2 TEST PROCEDURE

- a. The EUT was placed 0.4 meters from the 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.

3.1.3 DEVIATION FROM TEST STANDARD

No deviation

3.1.4 TEST SETUP



Note: 1.Support units were connected to second LISN.

2.Both of LISNs (AMN) are 80 cm from EUT and at least 80 from other units and other metal planes

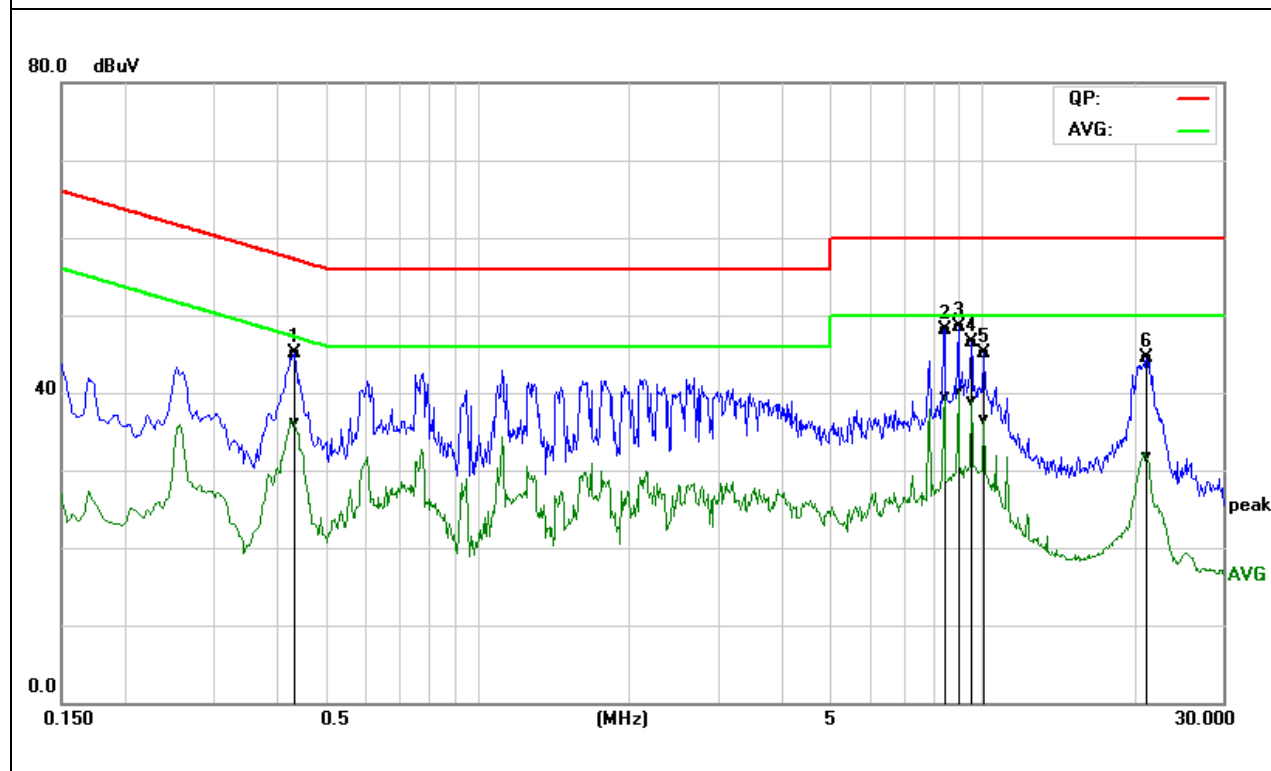
3.1.5 TEST RESULTS

EUT :	液晶顯示器	Model Name. :	LE55Q6500U
Temperature :	26 °C	Relative Humidity :	54%
Pressure :	1010hPa	Test Date :	2018-12-06
Test Mode :	TX 802.11b :Rate 1Mbps (worst case)	Phase :	L
Test Voltage :	AC 110/60Hz		

Frequency (MHz)	Factor (dB)	Meter Reading (dBμV)		Emission Level (dBμV)		Limits (dBμV)		Margin (dB)	
		QP	Average	QP	Average	QP	Average	QP	Average
0.4340	25.48	16.54	19.55	45.03	36.09	57.18	47.18	-12.15	-11.09
8.4180	28.18	19.53	19.98	48.16	39.51	60.00	50.00	-11.84	-10.49
8.9780	28.38	20.22	20.04	48.42	40.26	60.00	50.00	-11.58	-9.74
9.5340	26.32	18.76	20.10	46.42	38.86	60.00	50.00	-13.58	-11.14
10.0980	25.04	16.27	20.15	45.19	36.42	60.00	50.00	-14.81	-13.58
21.1540	24.16	11.36	20.34	44.50	31.70	60.00	50.00	-15.50	-18.30

Remark:

1. All readings are Quasi-Peak and Average values.
2. Factor = LISN factor + Cable Loss + Pulse limiter.

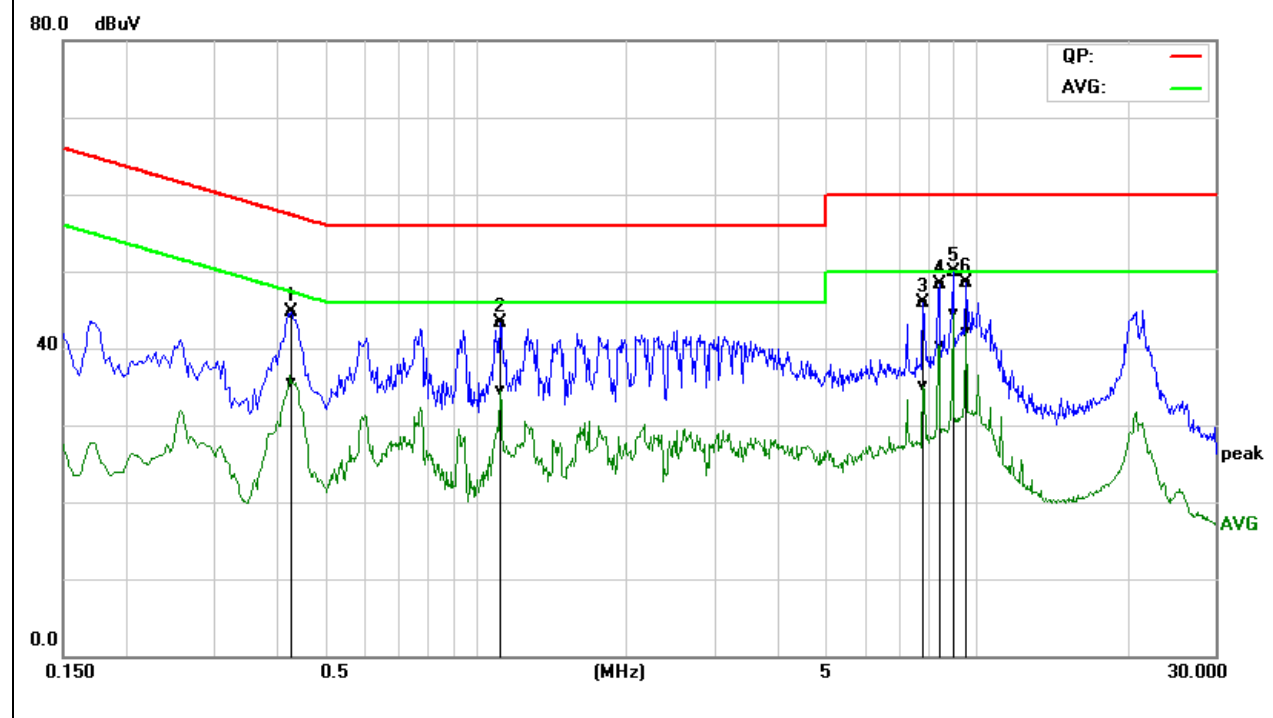


EUT :	液晶顯示器	Model Name. :	LE55Q6500U
Temperature :	26 °C	Relative Humidity :	54%
Pressure :	1010hPa	Test Date :	2018-12-06
Test Mode :	TX 802.11b :Rate 1Mbps (worst case)	Phase :	N
Test Voltage :	AC 110/60Hz		

Frequency	Factor	Meter Reading (dBμV)		Emission Level (dBμV)		Limits (dBμV)		Margin (dB)	
(MHz)	(dB)	QP	Average	QP	Average	QP	Average	QP	Average
0.4300	25.07	15.96	19.53	44.60	35.49	57.25	47.25	-12.65	-11.76
1.1220	23.69	14.94	19.57	43.26	34.51	56.00	46.00	-12.74	-11.49
7.8500	26.04	15.18	19.92	45.96	35.10	60.00	50.00	-14.04	-14.90
8.4140	28.42	20.33	19.98	48.40	40.31	60.00	50.00	-11.60	-9.69
8.9740	29.85	24.46	20.04	49.89	44.50	60.00	50.00	-10.11	-5.50
9.5380	28.36	22.00	20.10	48.46	42.10	60.00	50.00	-11.54	-7.90

Remark:

1. All readings are Quasi-Peak and Average values.
2. Factor = LISN factor + Cable Loss + Pulse limiter.



3.2 RADIATED EMISSION MEASUREMENT

3.2.1 RADIATED EMISSION LIMITS (Frequency Range 9kHz-1000MHz)

20dBc in any 100 kHz bandwidth outside the operating frequency band. In case the emission fall within the restricted band specified on 2.7, then the 2.8 limit in the table below has to be followed.

Frequencies (MHz)	Field Strength (microvolt/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
Above 960	500	3

LIMITS OF RADIATED EMISSION MEASUREMENT (Above 1000MHz)

FREQUENCY (MHz)	Class A (dBuV/m) (at 3M)		Class B (dBuV/m) (at 3M)	
	PEAK	AVERAGE	PEAK	AVERAGE
Above 1000	80	60	74	54

Notes:

- (1) The limit for radiated test was performed according to LP0002.
- (2) The tighter limit applies at the band edges.
- (3) Emission level (dBuV/m)=20log Emission level (uV/m).

FREQUENCY RANGE OF RADIATED MEASUREMENT (For unintentional radiators)

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

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

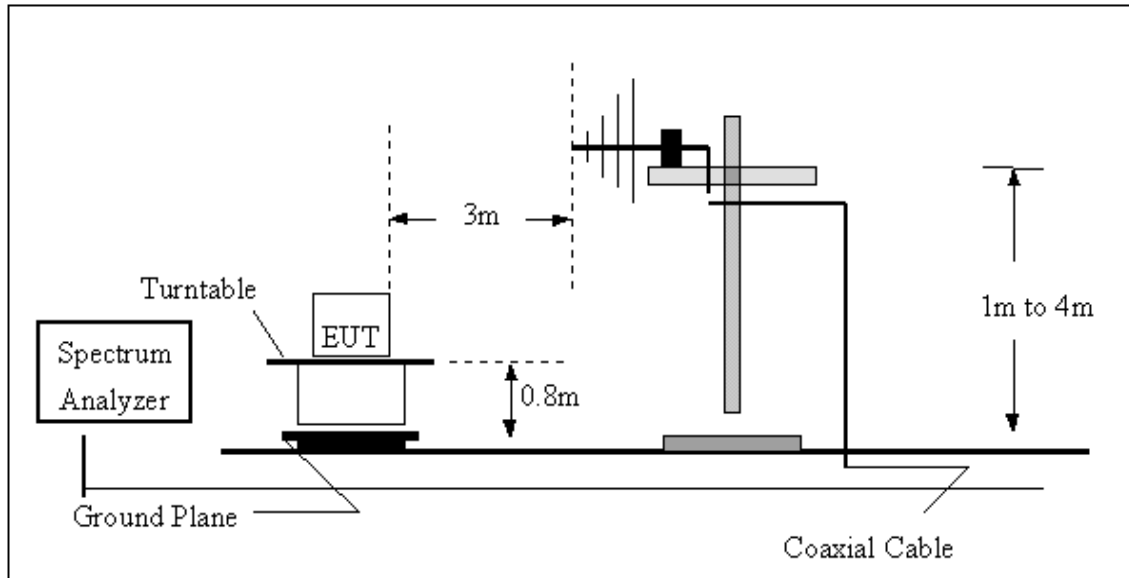
Receiver Parameter	Setting
Attenuation	Auto
Start ~ Stop Frequency	9kHz~150kHz / RB 200Hz for QP
Start ~ Stop Frequency	150kHz~30MHz / RB 9kHz for QP
Start ~ Stop Frequency	30MHz~1000MHz / RB 120kHz for QP

3.2.2 TEST PROCEDURE

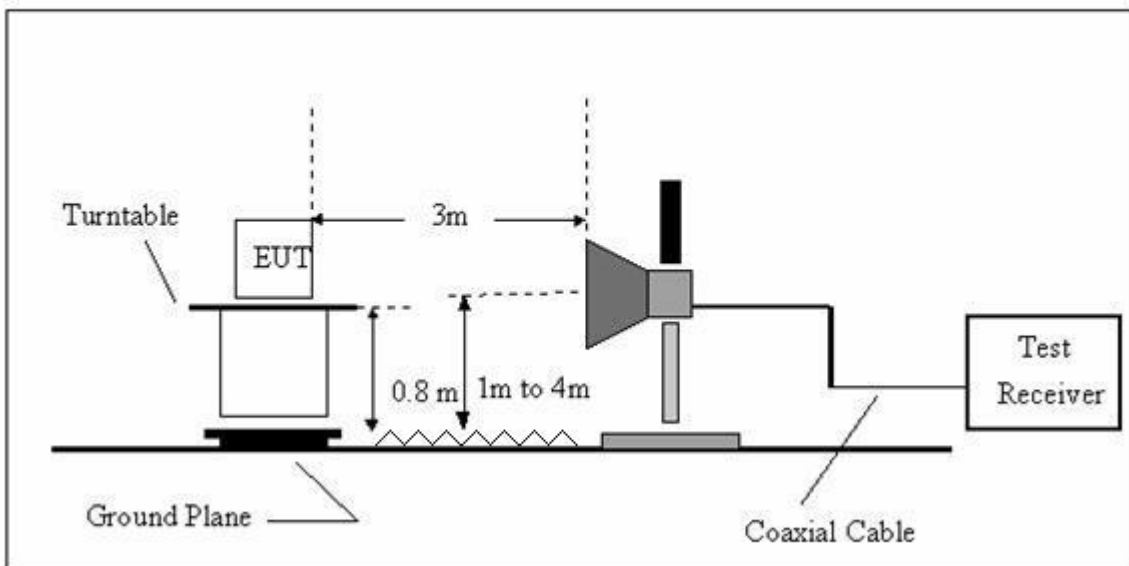
- The measuring distance of at 3 m shall be used for measurements at frequency up to 1GHz. For frequencies above 1GHz, any suitable measuring distance may be used.
- The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter open area test site. The table was rotated 360 degrees to determine the position of the highest radiation.
- The height of the equipment or of the substitution antenna shall be 0.8 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.
- 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.
- 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.
- For the actual test configuration, please refer to the related Item –EUT Test Photos.

3.2.3 TEST SETUP

(A) Radiated Emission Test Set-Up, Frequency Below 1000MHz



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



3.2.4 EUT OPERATING CONDITIONS

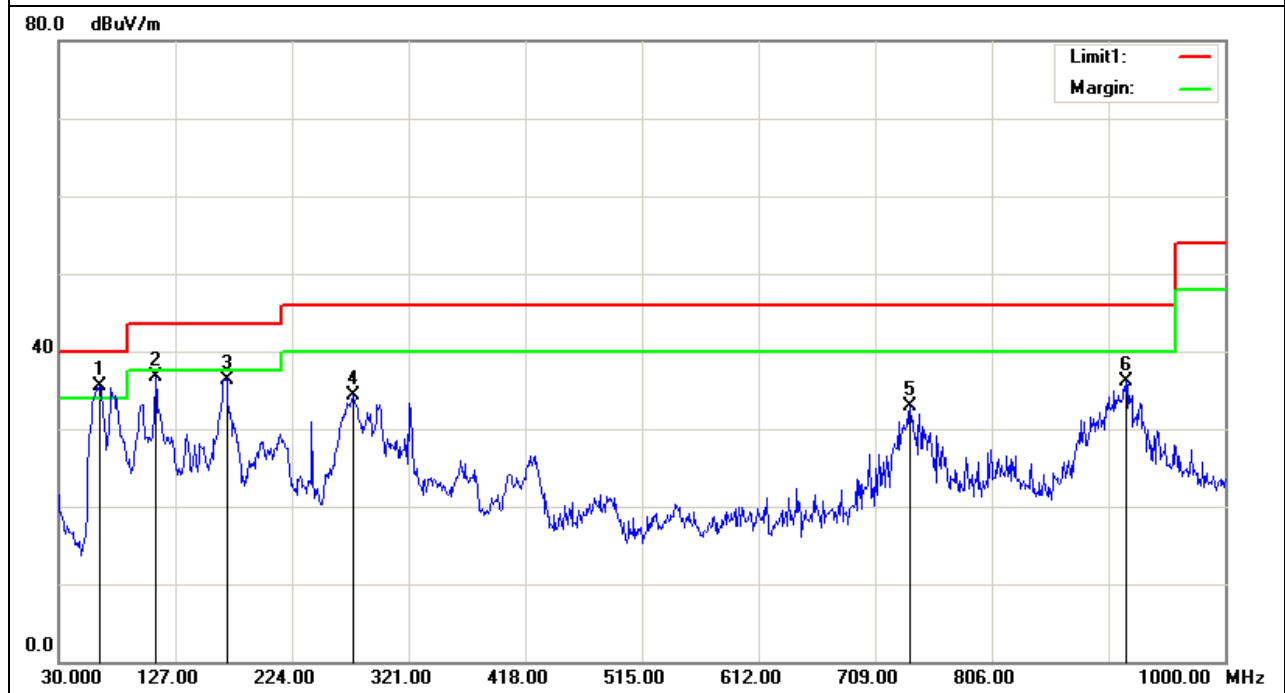
The EUT tested system was configured as the statements of 2..4 Unless otherwise a special operating condition is specified in the follows during the testing.

3.2.5 TEST RESULTS (BETWEEN 30 – 1000 MHZ)

EUT :	液晶顯示器	Model Name. :	LE55Q6500U
Temperature :	24 °C	Relative Humidity :	54%
Pressure :	1010 hPa	Test Date :	2018-12-11
Test Mode :	TX 802.11b :Rate 1Mbps (worst case)	Polarization :	Horizontal
Test Power :	AC 110/60Hz		

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
63.9500	60.06	-24.65	35.41	40.00	-4.59	Quasi-Peak
110.5100	58.55	-21.79	36.76	43.50	-6.74	Quasi-Peak
169.6800	59.28	-22.91	36.37	43.50	-7.13	Quasi-Peak
275.4100	54.69	-20.44	34.25	46.00	-11.75	Quasi-Peak
738.1000	44.22	-11.40	32.82	46.00	-13.18	Quasi-Peak
917.5500	45.57	-9.41	36.16	46.00	-9.84	Quasi-Peak

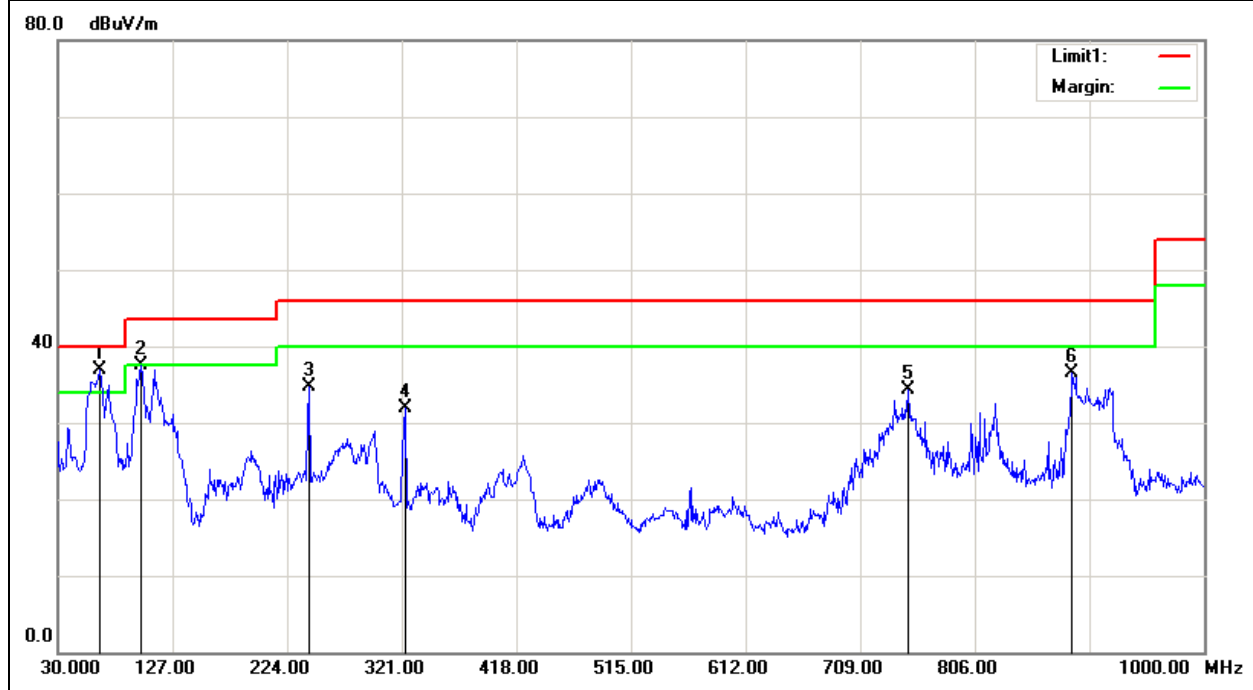
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT :	液晶顯示器	Model Name. :	LE55Q6500U
Temperature :	24 °C	Relative Humidity :	54%
Pressure :	1010 hPa	Test Date :	2018-12-11
Test Mode :	TX 802.11b :Rate 1Mbps (worst case)	Polarization :	Vertical
Test Power :	AC 110/60Hz		

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
64.9200	61.72	-24.82	36.90	40.00	-3.10	
99.8400	61.23	-23.70	37.53	43.50	-5.97	Quasi-Peak
242.4300	56.17	-21.40	34.77	46.00	-11.23	Quasi-Peak
323.9100	50.54	-18.72	31.82	46.00	-14.18	Quasi-Peak
749.7400	45.51	-11.19	34.32	46.00	-11.68	Quasi-Peak
888.4500	46.40	-9.91	36.49	46.00	-9.51	Quasi-Peak

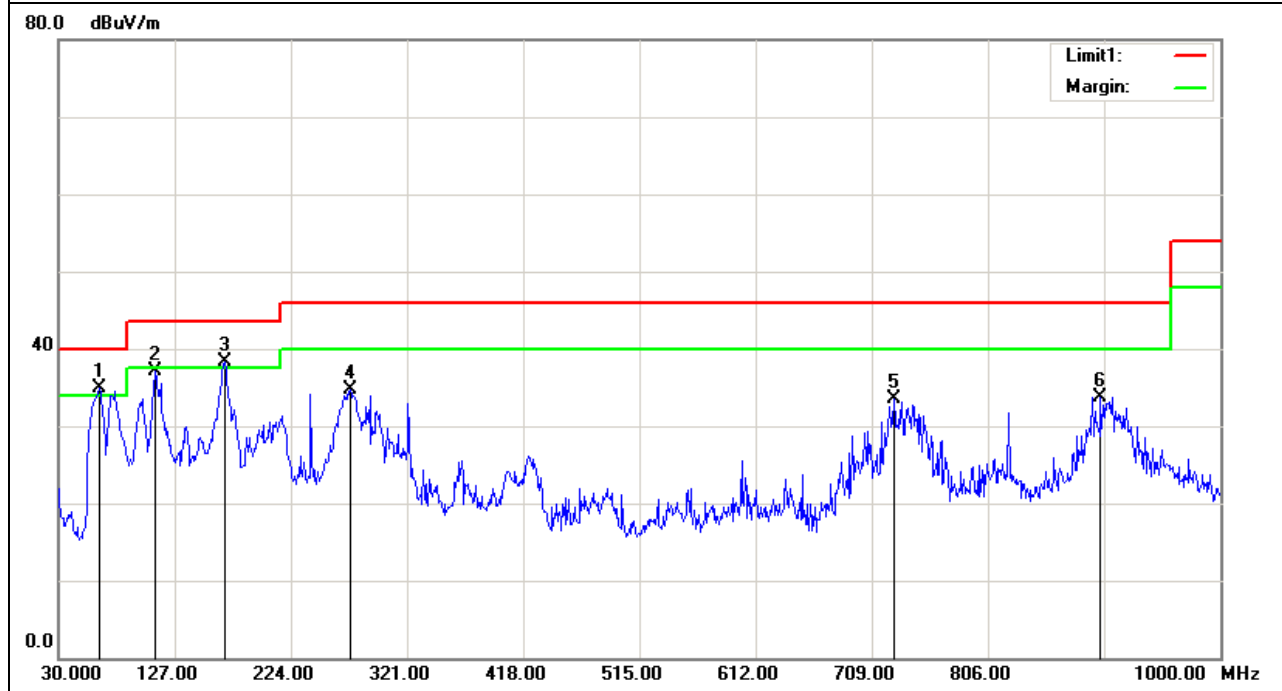
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT :	液晶顯示器	Model Name. :	LE55Q6500U
Temperature :	24 °C	Relative Humidity :	54%
Pressure :	1010 hPa	Test Date :	2018-12-11
Test Mode :	RX 802.11b :Rate 1Mbps (worst case)	Polarization :	Horizontal
Test Power :	AC 110/60Hz		

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
63.9500	59.46	-24.65	34.81	40.00	-5.19	Quasi-Peak
110.5100	58.96	-21.79	37.17	43.50	-6.33	Quasi-Peak
168.7100	61.10	-22.87	38.23	43.50	-5.27	Quasi-Peak
273.4700	55.14	-20.46	34.68	46.00	-11.32	Quasi-Peak
727.4300	45.22	-11.67	33.55	46.00	-12.45	Quasi-Peak
900.0900	43.50	-9.83	33.67	46.00	-12.33	Quasi-Peak

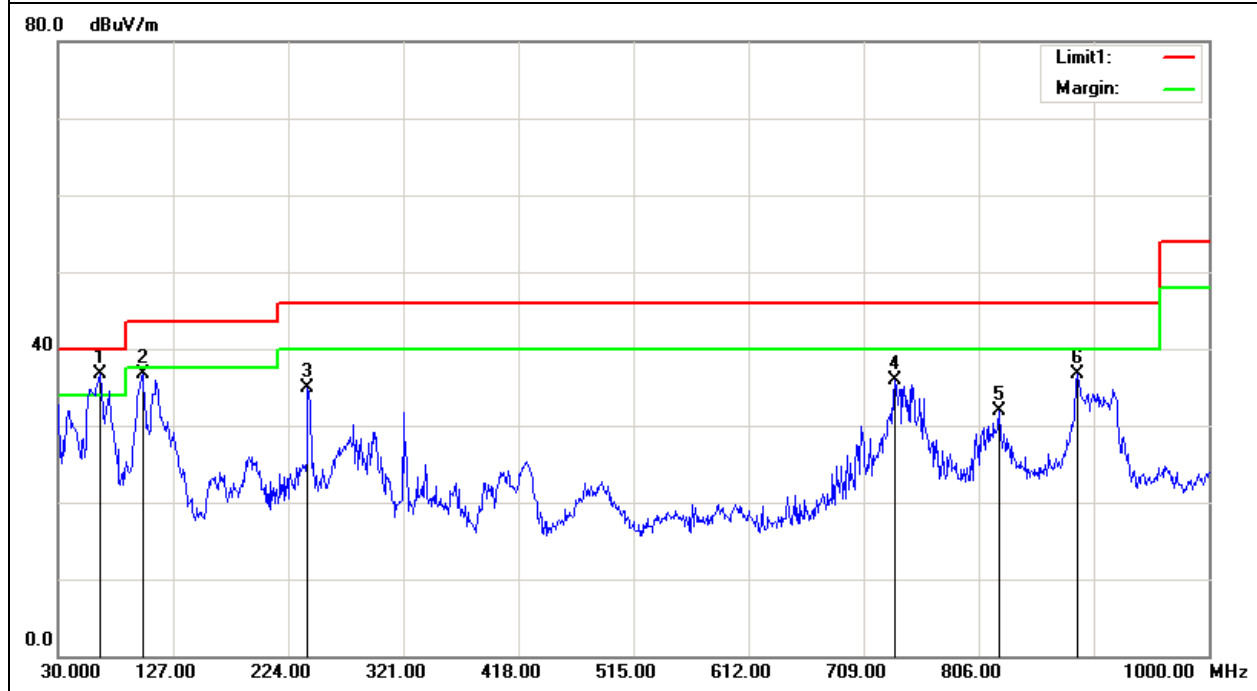
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT :	液晶顯示器	Model Name. :	LE55Q6500U
Temperature :	24 °C	Relative Humidity :	54%
Pressure :	1010 hPa	Test Date :	2018-03-29
Test Mode :	RX 802.11b :Rate 1Mbps (worst case)	Polarization :	Vertical
Test Power :	AC 110/60Hz		

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
64.9200	61.57	-24.82	36.75	40.00	-3.25	
101.7800	59.96	-23.35	36.61	43.50	-6.89	Quasi-Peak
240.4900	56.46	-21.48	34.98	46.00	-11.02	Quasi-Peak
735.1900	47.40	-11.47	35.93	46.00	-10.07	Quasi-Peak
823.4600	42.27	-10.46	31.81	46.00	-14.19	Quasi-Peak
889.4200	46.52	-9.90	36.62	46.00	-9.38	Quasi-Peak

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

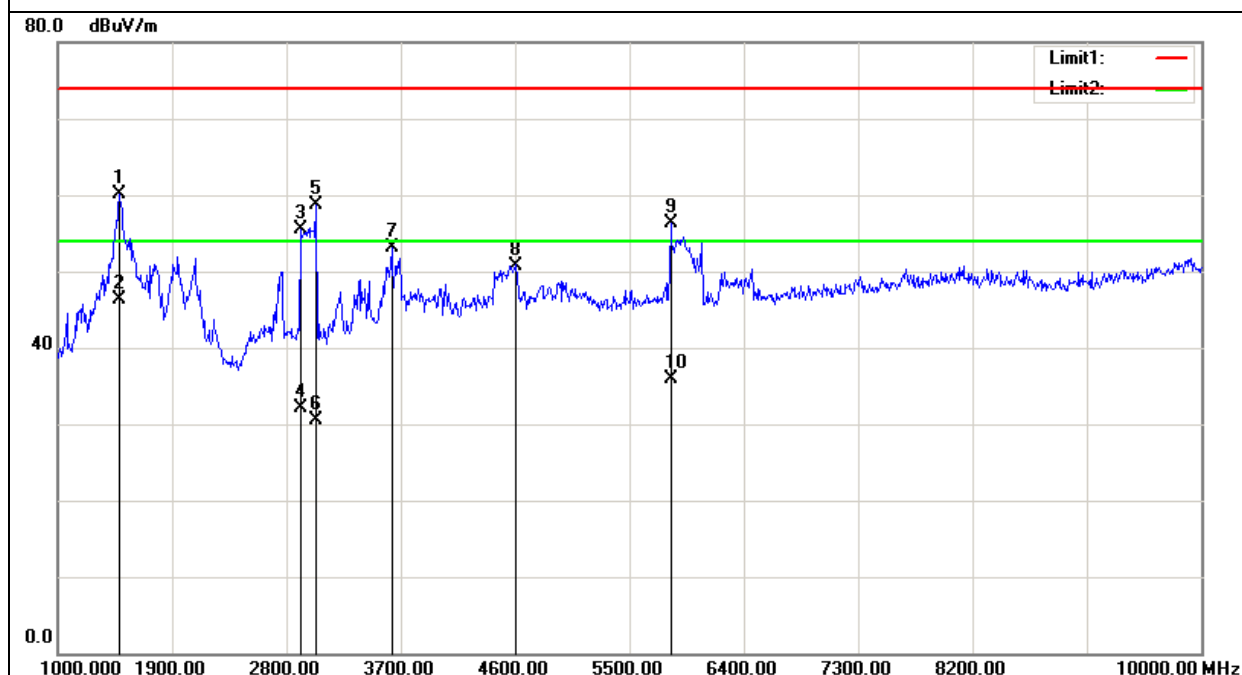


3.2.6 TEST RESULTS (ABOVE 1000 MHZ)

EUT :	液晶顯示器	Model Name :	LE55Q6500U
Temperature :	24 °C	Relative Humidity :	54%
Pressure :	1010 hPa	Test Date :	2018-03-26
Test Mode :	TX CH01 (802.11b :Rate 1Mbps)	Polarization :	Horizontal
Measurement Distance	3 m	Frenqucy Range	1GHz to 25GHz
Test Power :	AC 110/60Hz		

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
1486.000	67.11	-6.91	60.20	74.00	-13.80	peak
1486.000	53.23	-6.91	46.32	54.00	-7.68	AVG
2908.000	56.98	-1.53	55.45	74.00	-18.55	peak
2908.000	33.73	-1.53	32.20	54.00	-21.80	AVG
3034.000	59.95	-1.30	58.65	74.00	-15.35	peak
3034.000	31.89	-1.30	30.59	54.00	-23.41	AVG
3628.000	53.02	0.02	53.04	74.00	-20.96	peak
4600.000	47.12	3.68	50.80	74.00	-23.20	peak
5824.000	50.26	6.01	56.27	74.00	-17.73	peak
5824.000	29.91	6.01	35.92	54.00	-18.08	AVG

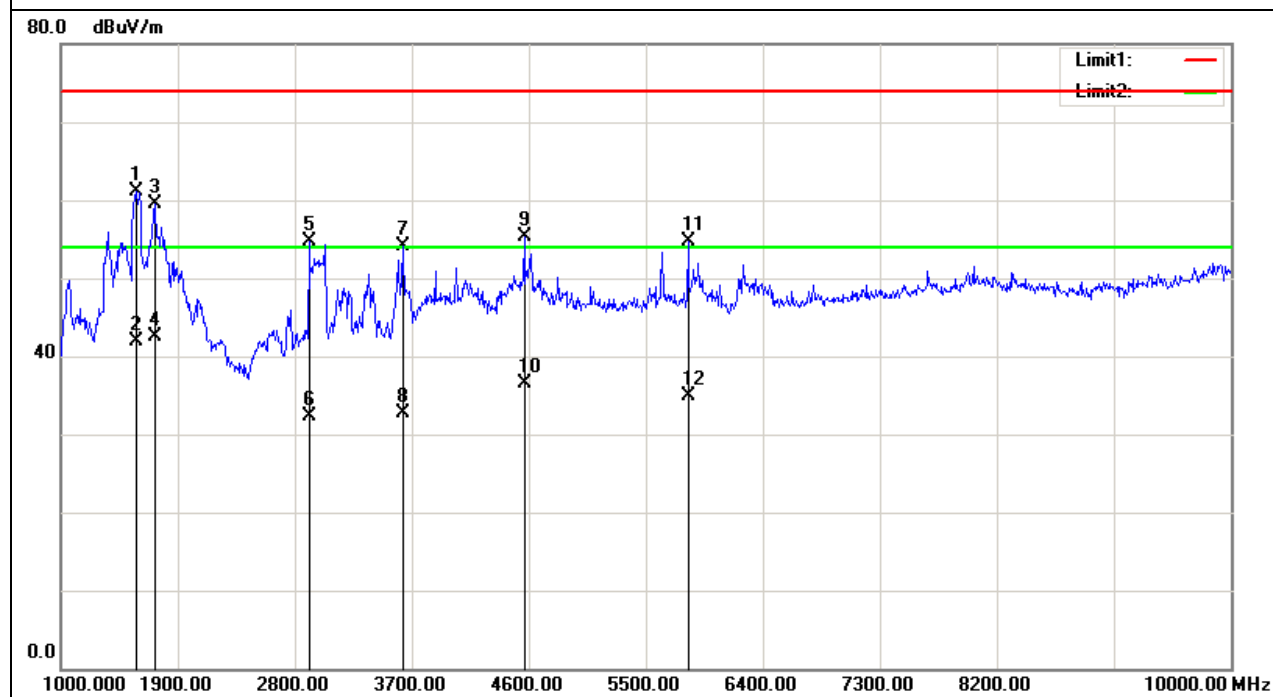
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.

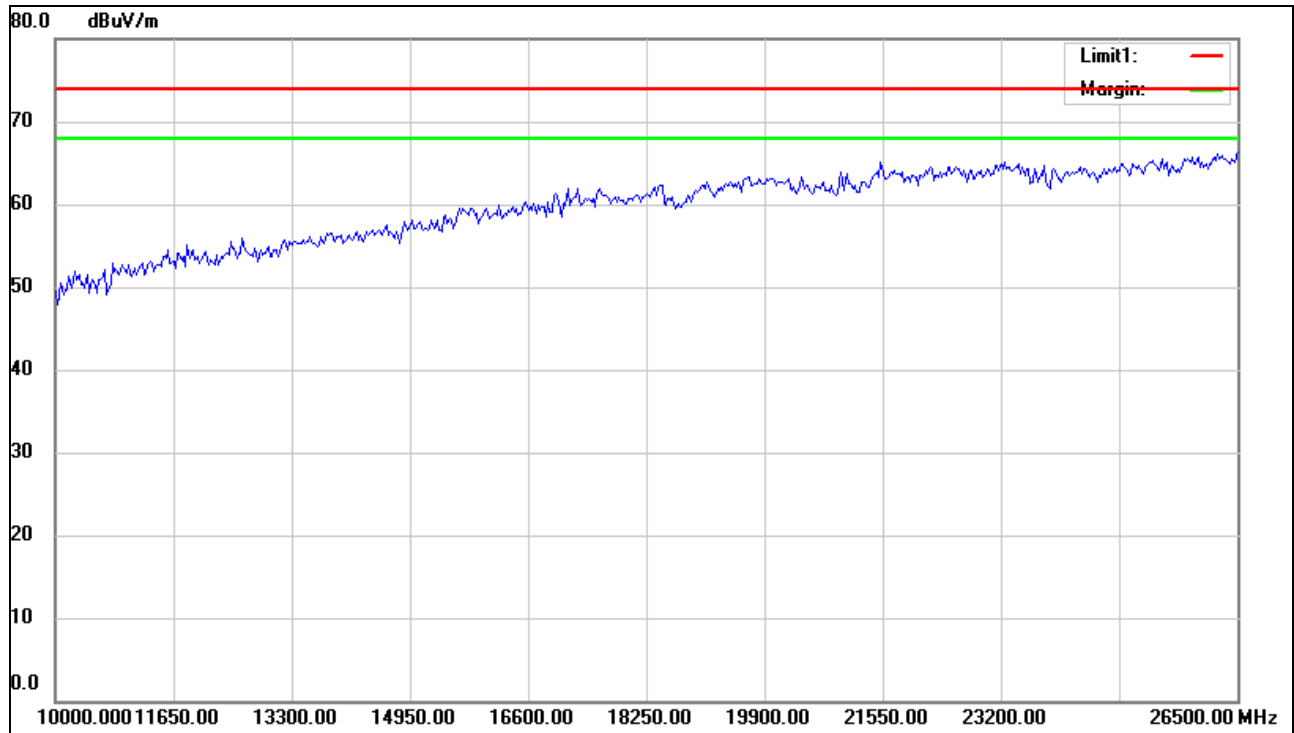
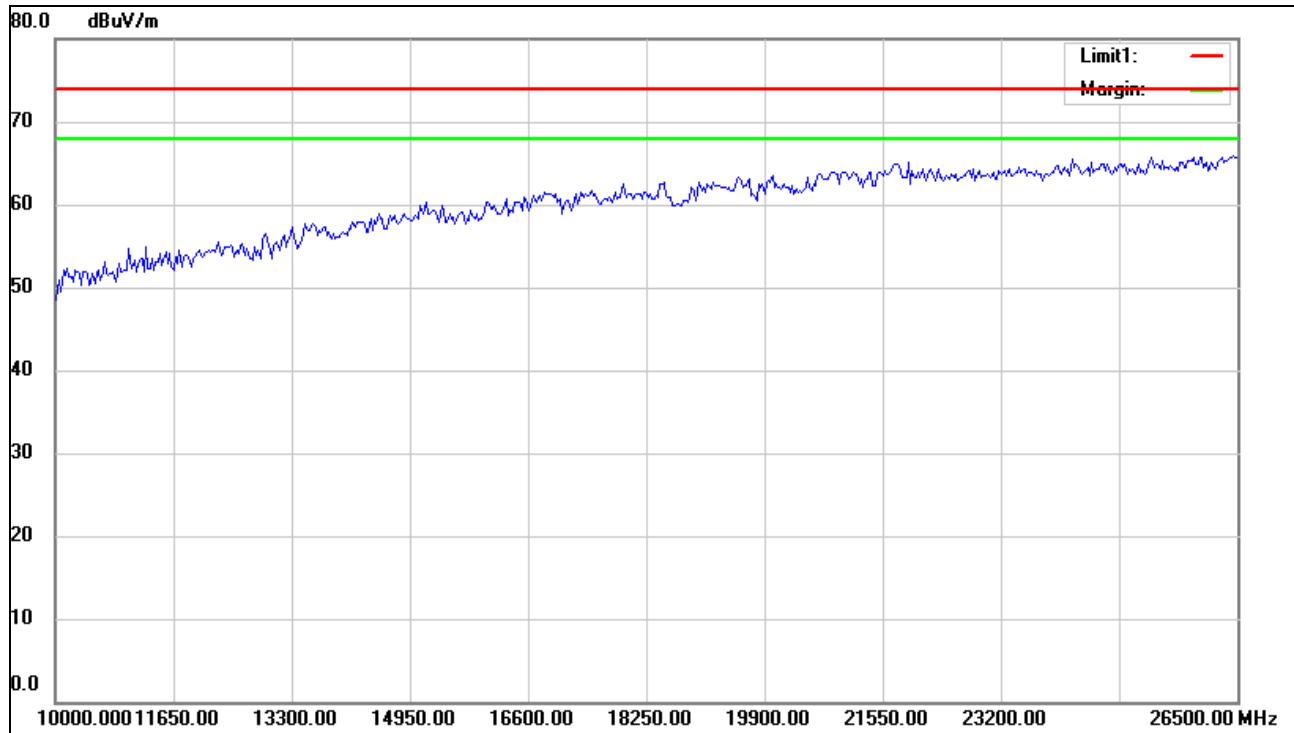


EUT :	液晶顯示器	Model Name :	LE55Q6500U
Temperature :	24 °C	Relative Humidity :	54%
Pressure :	1010 hPa	Test Date :	2018-03-26
Test Mode :	TX CH01 (802.11b :Rate 1Mbps)	Polarization :	Vertical
Measurement Distance	3 m	Frenqucy Range	1GHz to 25GHz
Test Power :	AC 110/60Hz		

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
1585.000	67.83	-6.73	61.10	74.00	-12.90	peak
1585.000	48.71	-6.73	41.98	54.00	-12.02	AVG
1720.000	65.92	-6.44	59.48	74.00	-14.52	peak
1720.000	48.86	-6.44	42.42	54.00	-11.58	AVG
2908.000	56.30	-1.53	54.77	74.00	-19.23	peak
2908.000	33.93	-1.53	32.40	54.00	-21.60	AVG
3628.000	54.00	0.02	54.02	74.00	-19.98	peak
3628.000	32.74	0.02	32.76	54.00	-21.24	AVG
4564.000	51.80	3.56	55.36	74.00	-18.64	peak
4564.000	33.00	3.56	36.56	54.00	-17.44	AVG
5824.000	48.60	6.01	54.61	74.00	-19.39	peak
5824.000	28.87	6.01	34.88	54.00	-19.12	AVG

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

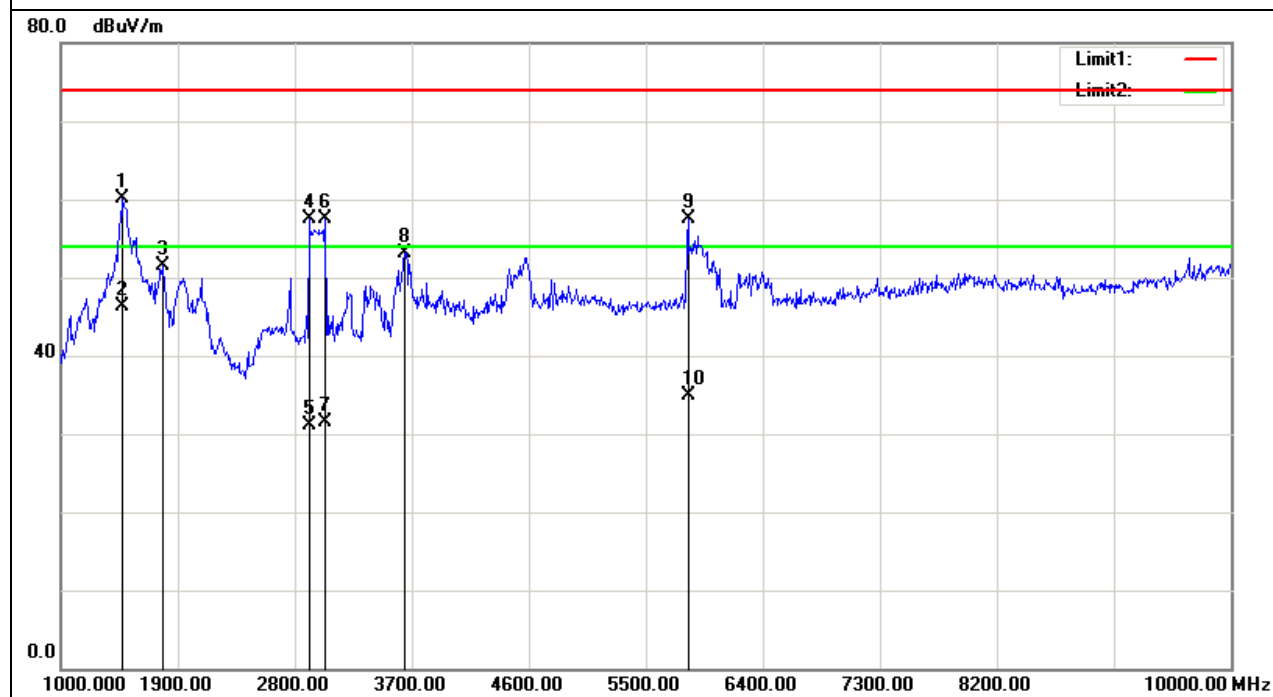


Horizontal**Detect: 10GHz -26.5GHz****Vertical****Detect: 10GHz -26.5GHz**

EUT :	液晶顯示器	Model Name :	LE55Q6500U
Temperature :	24 °C	Relative Humidity :	54%
Pressure :	1010 hPa	Test Date :	2018-03-26
Test Mode :	TX CH06 (802.11b :Rate 1Mbps)	Polarization :	Horizontal
Measurement Distance	3 m	Frenqucy Range	1GHz to 25GHz
Test Power :	AC 110/60Hz		

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
1477.000	66.98	-6.92	60.06	74.00	-13.94	peak
1477.000	53.25	-6.92	46.33	54.00	-7.67	AVG
1783.000	57.79	-6.31	51.48	74.00	-22.52	peak
2908.000	59.07	-1.53	57.54	74.00	-16.46	peak
2908.000	32.70	-1.53	31.17	54.00	-22.83	AVG
3034.000	58.74	-1.30	57.44	74.00	-16.56	peak
3034.000	32.82	-1.30	31.52	54.00	-22.48	AVG
3646.000	53.03	0.10	53.13	74.00	-20.87	peak
5824.000	51.55	6.01	57.56	74.00	-16.44	peak
5824.000	28.97	6.01	34.98	54.00	-19.02	AVG

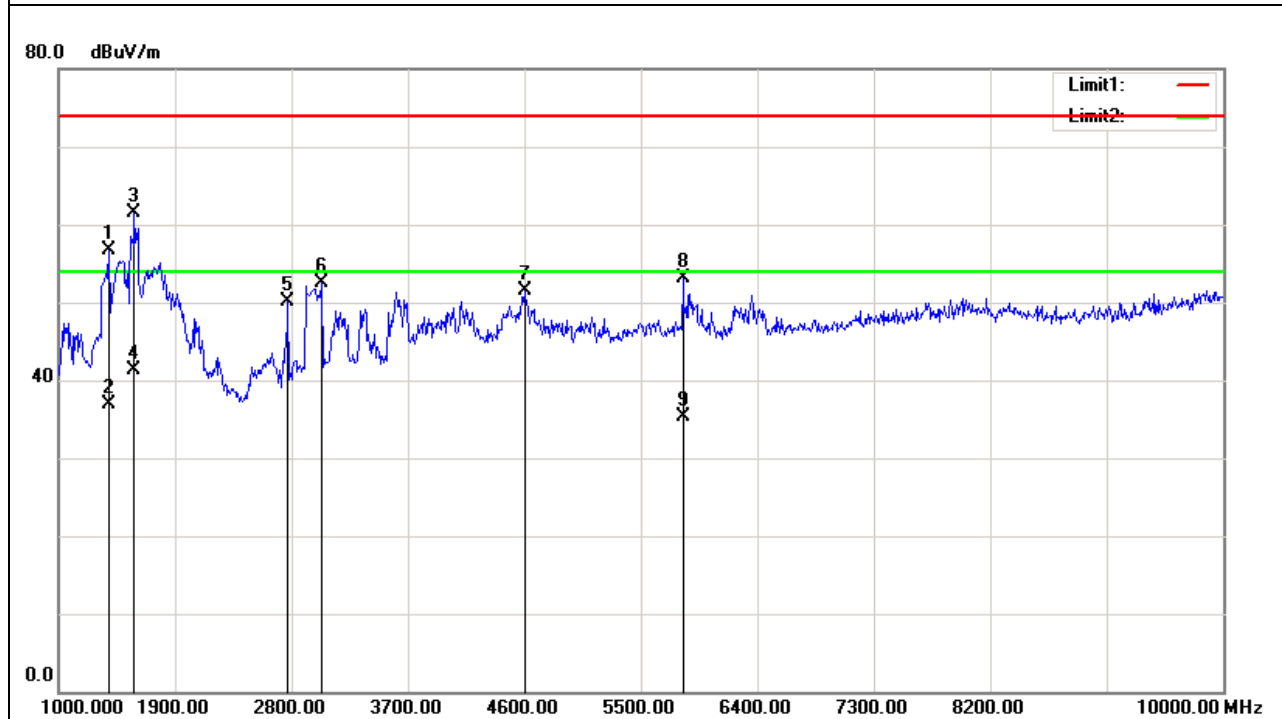
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT :	液晶顯示器	Model Name :	LE55Q6500U
Temperature :	24 °C	Relative Humidity :	54%
Pressure :	1010 hPa	Test Date :	2018-03-26
Test Mode :	TX CH06 (802.11b :Rate 1Mbps)	Polarization :	Vertical
Measurement Distance	3 m	Frenqucy Range	1GHz to 25GHz
Test Power :	AC 110/60Hz		

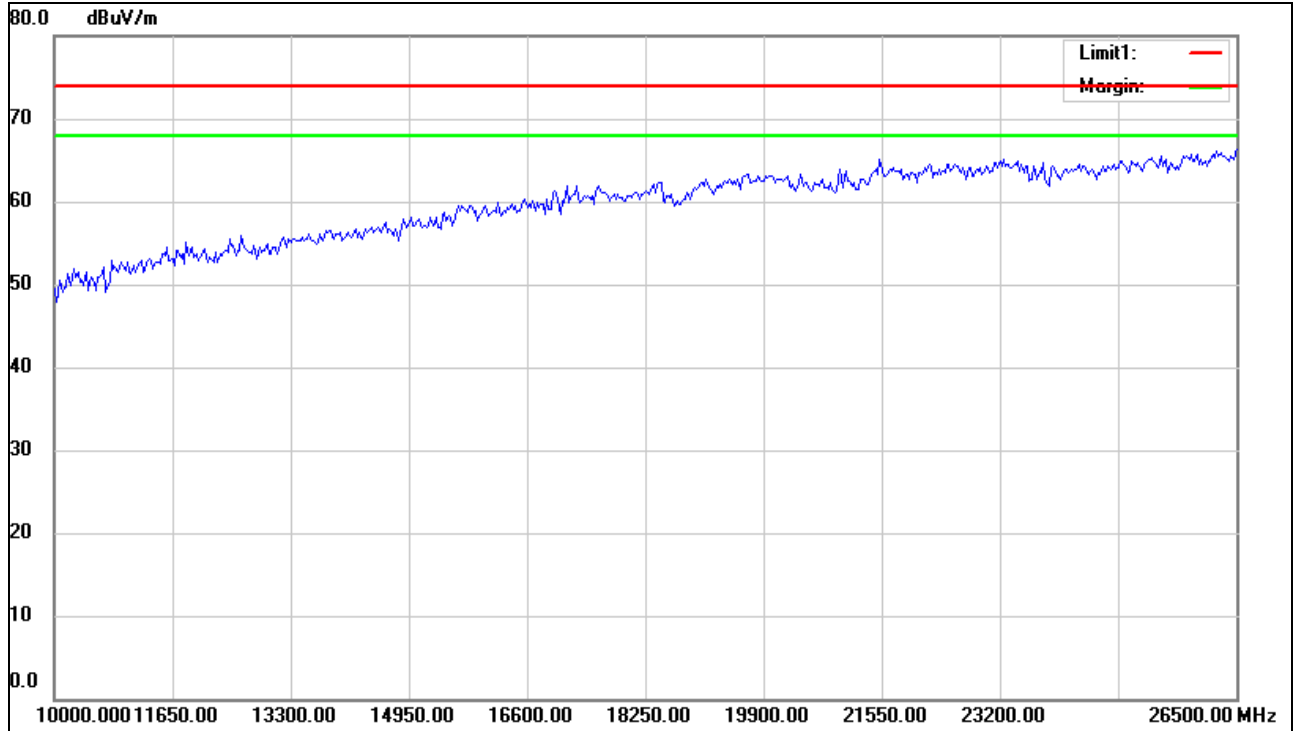
Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dB μ V)	(dB)	(dB μ V/m)	(dB μ V/m)	(dB)	
1387.000	63.73	-7.11	56.62	74.00	-17.38	peak
1387.000	44.05	-7.11	36.94	54.00	-17.06	AVG
1585.000	68.16	-6.73	61.43	74.00	-12.57	peak
1585.000	47.97	-6.73	41.24	54.00	-12.76	AVG
2773.000	51.85	-1.77	50.08	74.00	-23.92	peak
3034.000	53.71	-1.30	52.41	74.00	-21.59	peak
4600.000	47.80	3.68	51.48	74.00	-22.52	peak
5824.000	47.18	6.01	53.19	74.00	-20.81	peak
5824.000	29.24	6.01	35.25	54.00	-18.75	AVG

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



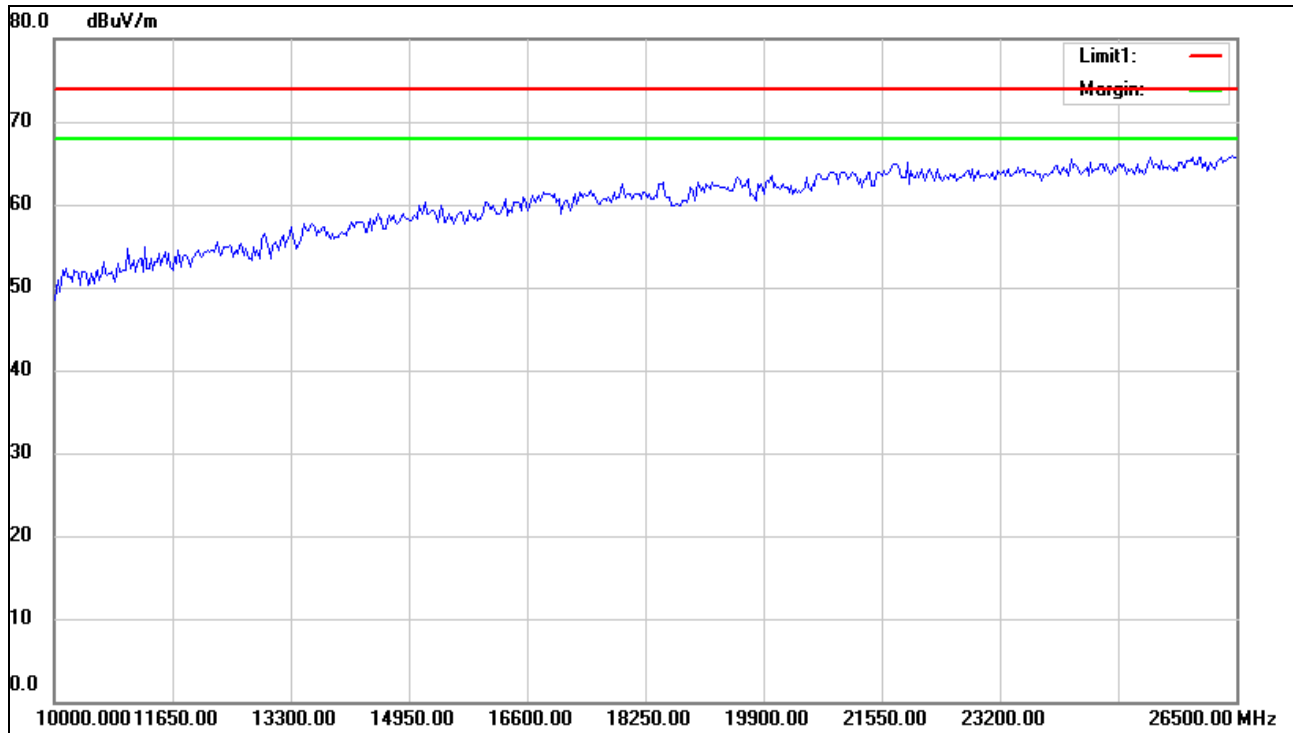
Horizontal

Detect: 10GHz -26.5GHz



Vertical

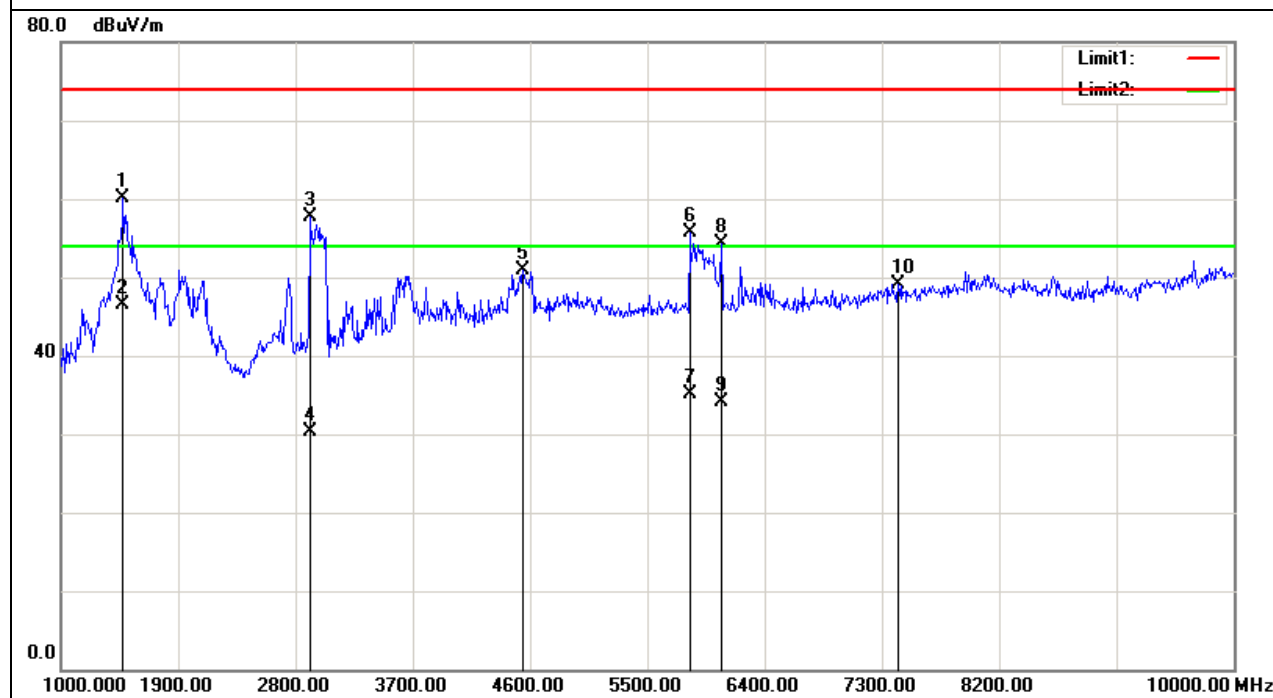
Detect: 10GHz -26.5GHz



EUT :	液晶顯示器	Model Name :	LE55Q6500U
Temperature :	24 °C	Relative Humidity :	54%
Pressure :	1010 hPa	Test Date :	2018-03-26
Test Mode :	TX CH11 (802.11b :Rate 1Mbps)	Polarization :	Horizontal
Measurement Distance	3 m	Frenqucy Range	1GHz to 25GHz
Test Power :	AC 110/60Hz		

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
1477.000	67.07	-6.92	60.15	74.00	-13.85	peak
1477.000	53.36	-6.92	46.44	54.00	-7.56	AVG
2908.000	59.25	-1.53	57.72	74.00	-16.28	peak
2908.000	31.86	-1.53	30.33	54.00	-23.67	AVG
4546.000	47.49	3.50	50.99	74.00	-23.01	peak
5824.000	49.66	6.01	55.67	74.00	-18.33	peak
5824.000	29.01	6.01	35.02	54.00	-18.98	AVG
6067.000	48.10	6.19	54.29	74.00	-19.71	peak
6067.000	27.86	6.19	34.05	54.00	-19.95	AVG
7426.000	40.48	8.53	49.01	74.00	-24.99	peak

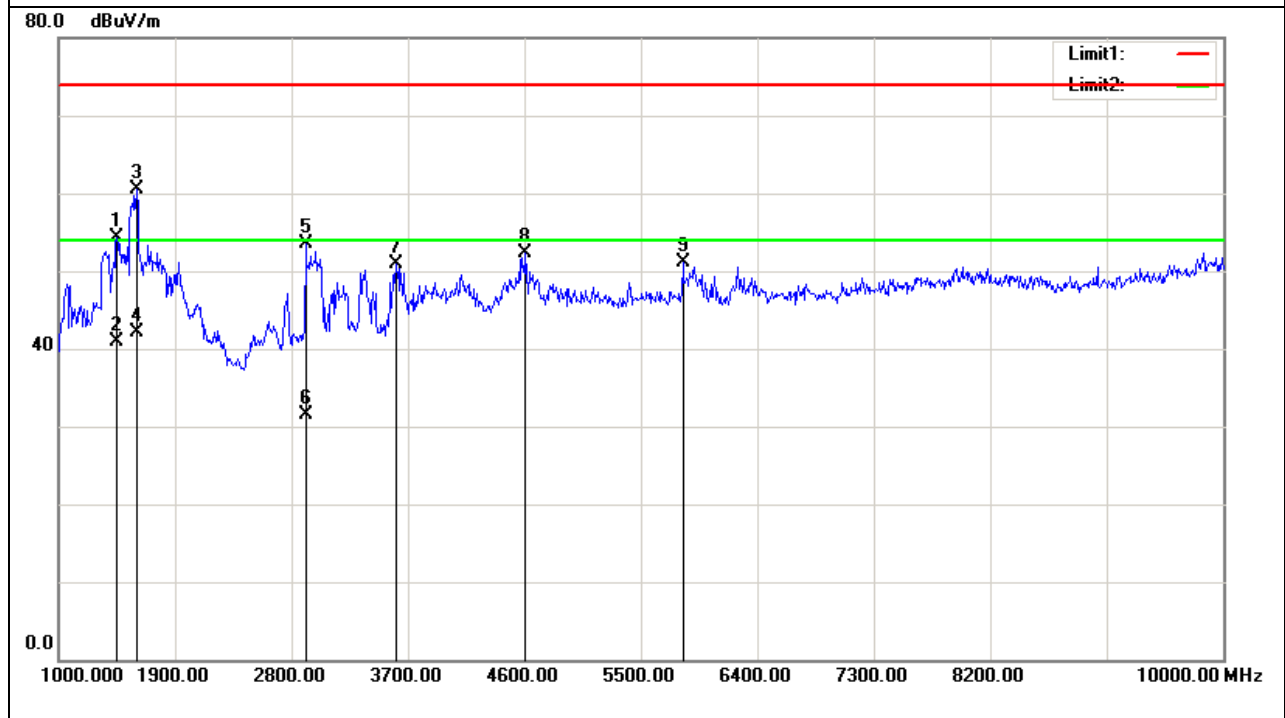
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT :	液晶顯示器	Model Name :	LE55Q6500U
Temperature :	24 °C	Relative Humidity :	54%
Pressure :	1010 hPa	Test Date :	2018-03-26
Test Mode :	TX CH11 (802.11b :Rate 1Mbps)	Polarization :	Vertical
Measurement Distance	3 m	Frenqucy Range	1GHz to 25GHz
Test Power :	AC 110/60Hz		

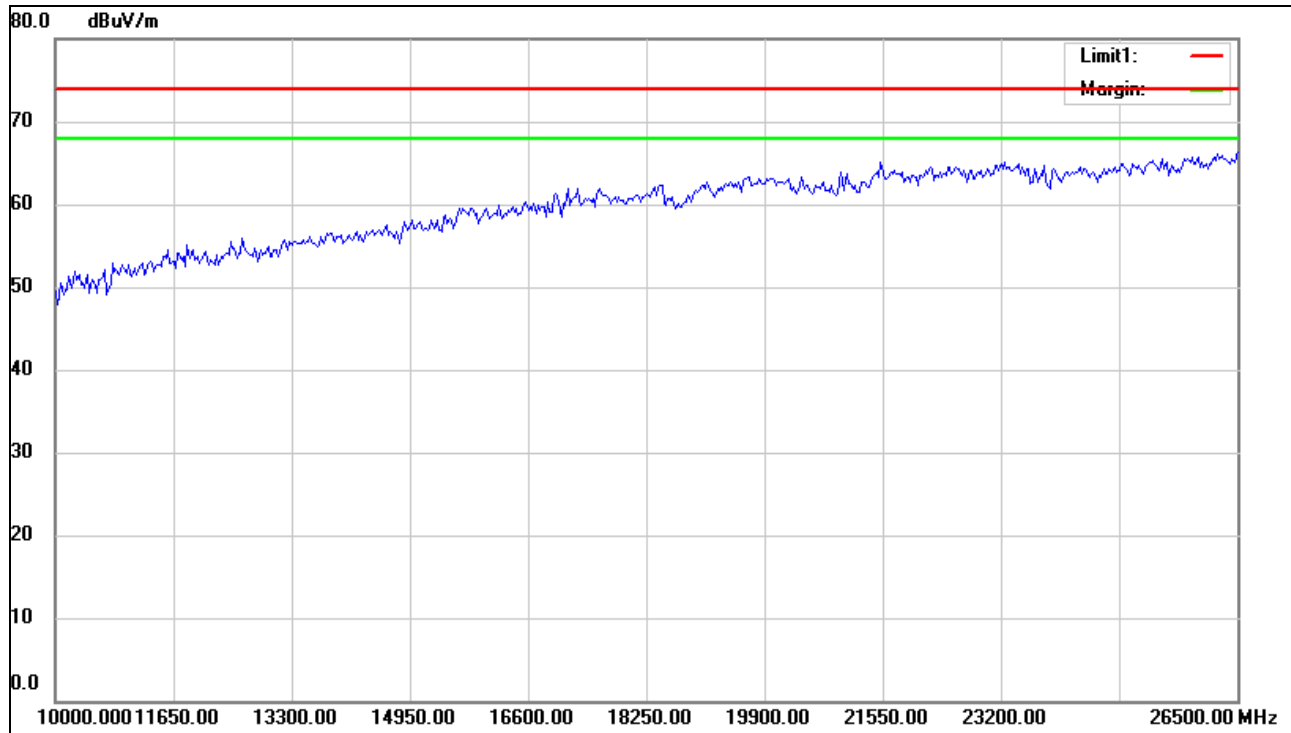
Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
1450.000	61.24	-6.97	54.27	74.00	-19.73	peak
1450.000	47.91	-6.97	40.94	54.00	-13.06	AVG
1603.000	67.19	-6.69	60.50	74.00	-13.50	peak
1603.000	48.72	-6.69	42.03	54.00	-11.97	AVG
2908.000	55.07	-1.53	53.54	74.00	-20.46	peak
2908.000	33.12	-1.53	31.59	54.00	-22.41	AVG
3610.000	51.02	-0.06	50.96	74.00	-23.04	peak
4609.000	48.66	3.71	52.37	74.00	-21.63	peak
5824.000	45.00	6.01	51.01	74.00	-22.99	peak

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



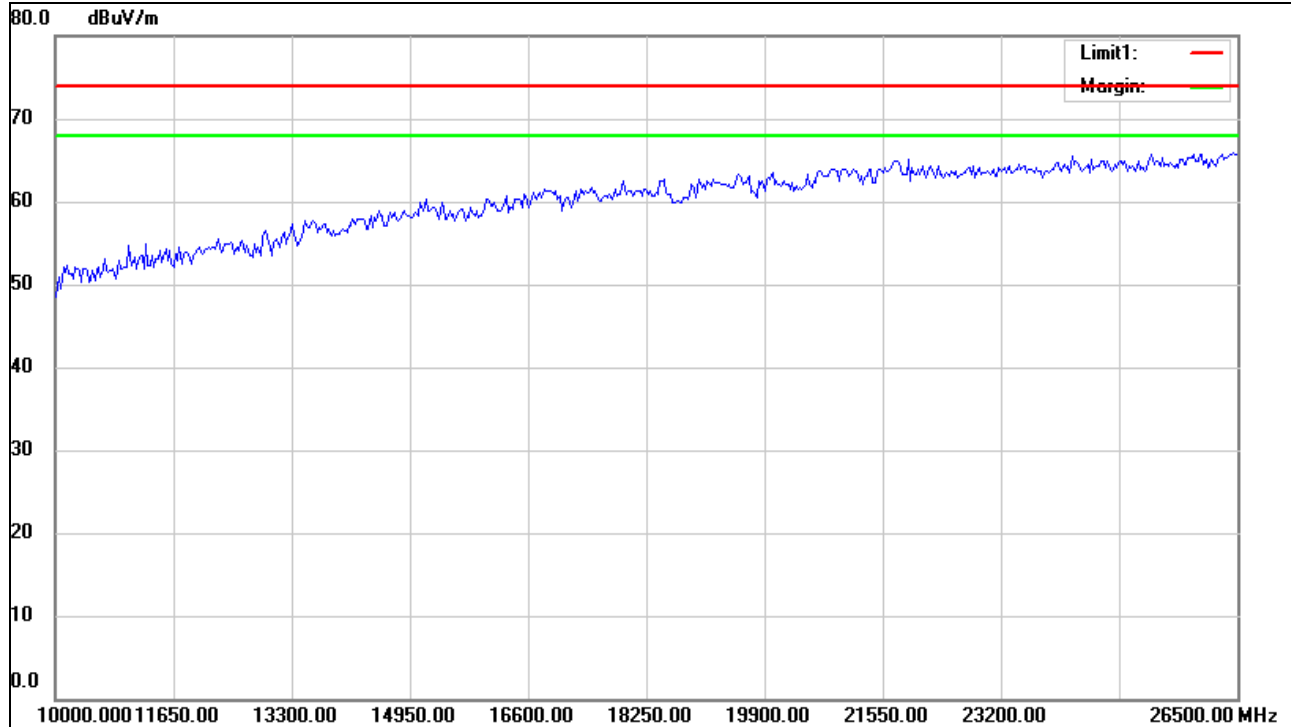
Horizontal

Detect: 10GHz -26.5GHz



Vertical

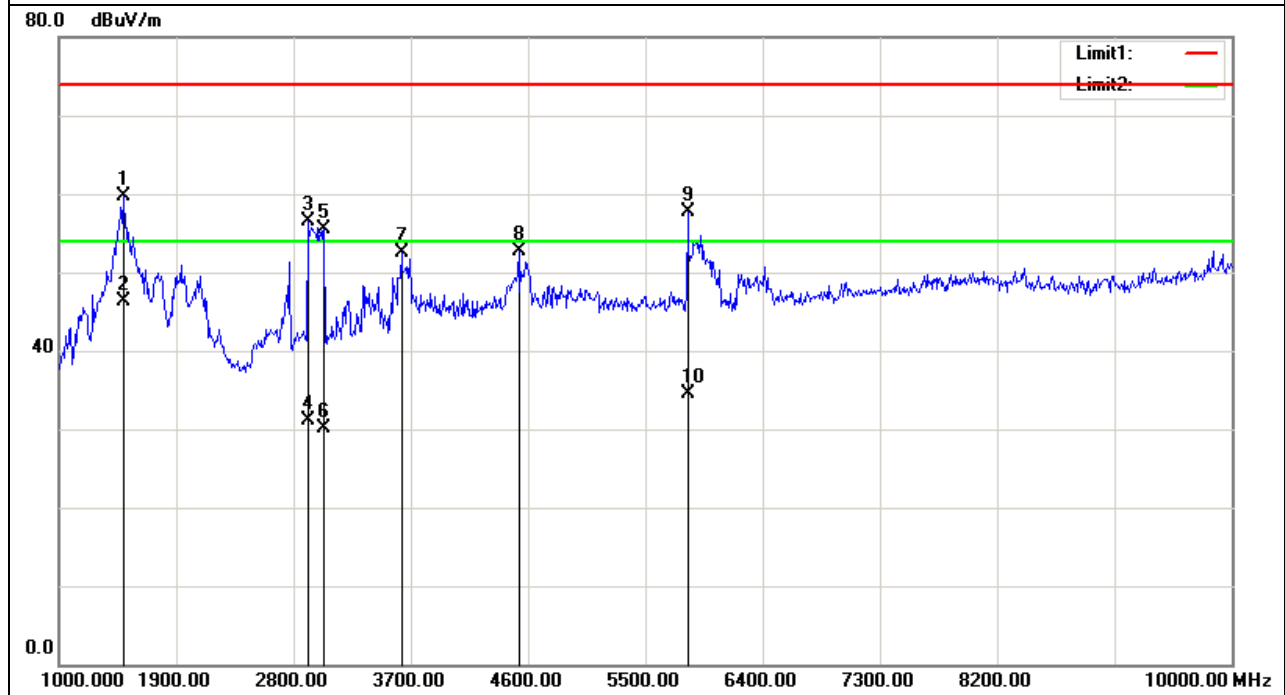
Detect: 10GHz -26.5GHz



EUT :	液晶顯示器	Model Name :	LE55Q6500U
Temperature :	24 °C	Relative Humidity :	54%
Pressure :	1010 hPa	Test Date :	2018-03-26
Test Mode :	TX CH01 (802.11g: Rate 6Mbps)	Polarization :	Horizontal
Measurement Distance	3 m	Frenqucy Range	1GHz to 25GHz
Test Power :	AC 110/60Hz		

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
1495.000	66.68	-6.89	59.79	74.00	-14.21	peak
1495.000	53.24	-6.89	46.35	54.00	-7.65	AVG
2908.000	58.04	-1.53	56.51	74.00	-17.49	peak
2908.000	32.73	-1.53	31.20	54.00	-22.80	AVG
3034.000	56.89	-1.30	55.59	74.00	-18.41	peak
3034.000	31.45	-1.30	30.15	54.00	-23.85	AVG
3628.000	52.43	0.02	52.45	74.00	-21.55	peak
4528.000	49.18	3.44	52.62	74.00	-21.38	peak
5824.000	51.76	6.01	57.77	74.00	-16.23	peak
5824.000	28.47	6.01	34.48	54.00	-19.52	AVG

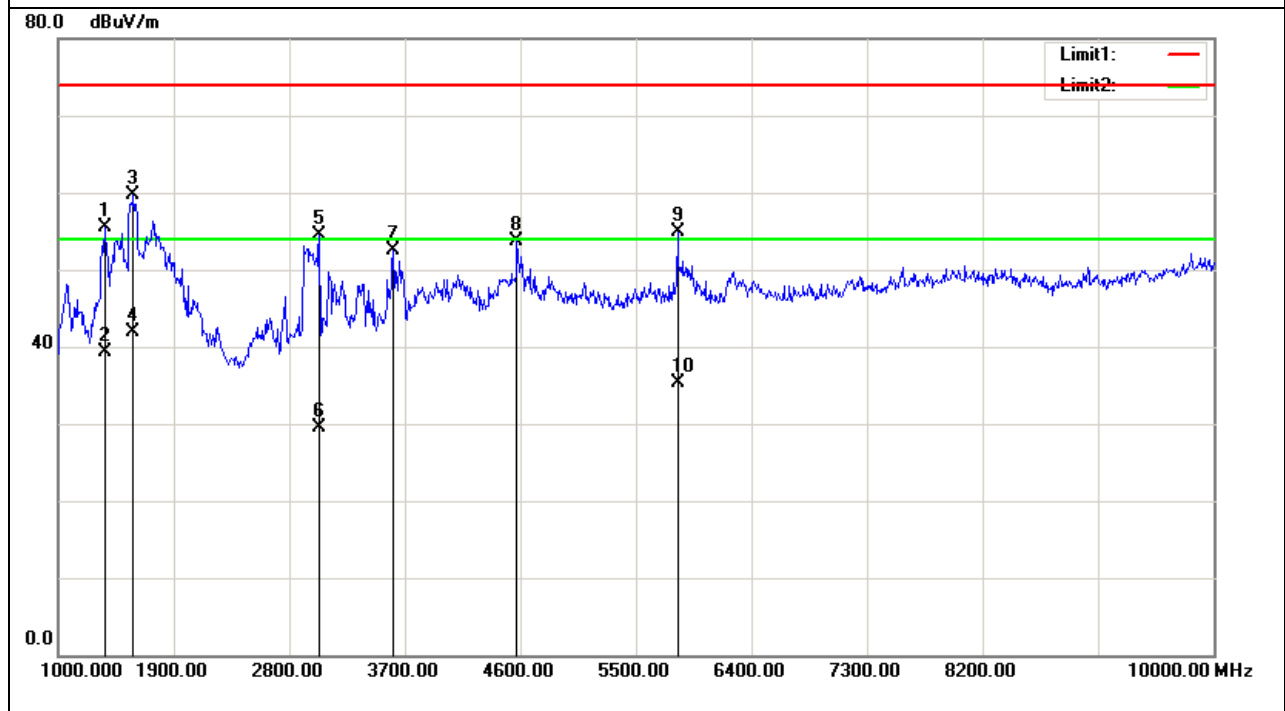
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT :	液晶顯示器	Model Name :	LE55Q6500U
Temperature :	24 °C	Relative Humidity :	54%
Pressure :	1010 hPa	Test Date :	2018-03-26
Test Mode :	TX CH01 (802.11g: Rate 6Mbps)	Polarization :	Vertical
Measurement Distance	3 m	Frenqucy Range	1GHz to 25GHz
Test Power :	AC 110/60Hz		

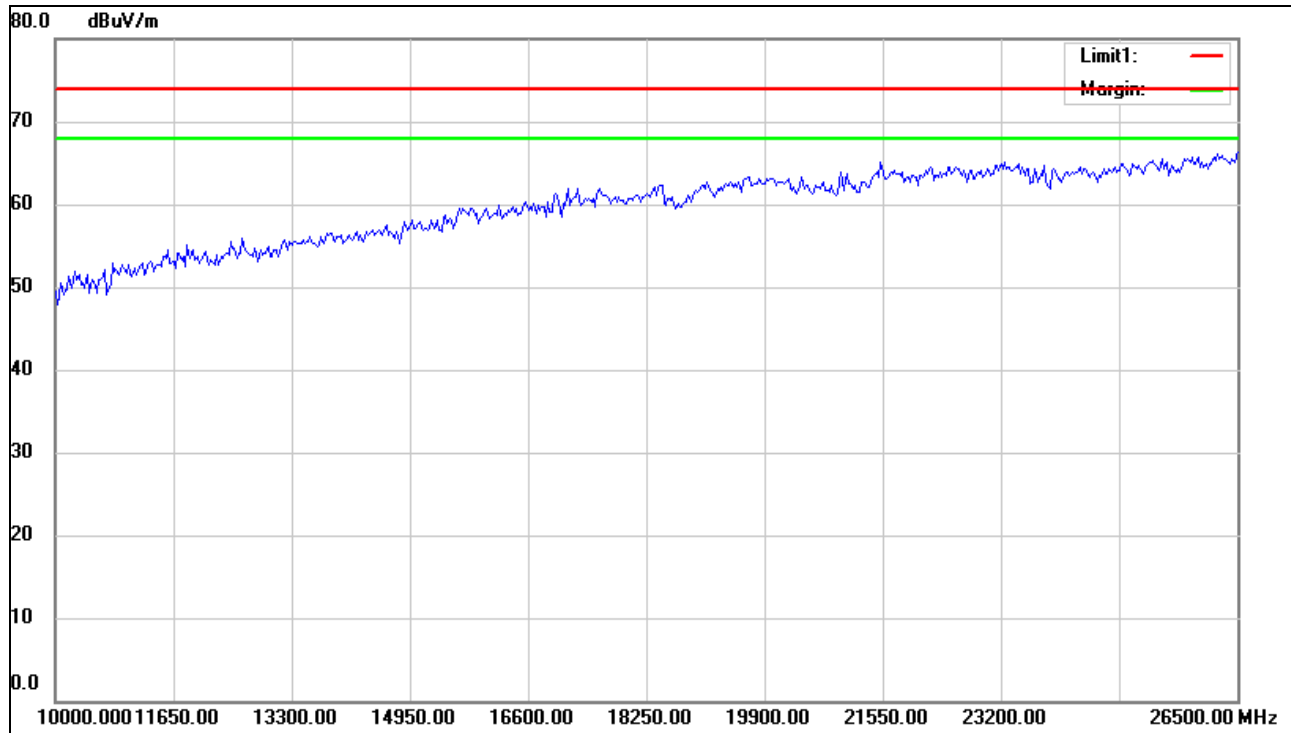
Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dB μ V)	(dB)	(dB μ V/m)	(dB μ V/m)	(dB)	
1360.000	62.79	-7.21	55.58	74.00	-18.42	peak
1360.000	46.45	-7.21	39.24	54.00	-14.76	AVG
1585.000	66.44	-6.73	59.71	74.00	-14.29	peak
1585.000	48.61	-6.73	41.88	54.00	-12.12	AVG
3034.000	55.79	-1.30	54.49	74.00	-19.51	peak
3034.000	30.79	-1.30	29.49	54.00	-24.51	AVG
3610.000	52.62	-0.06	52.56	74.00	-21.44	peak
4573.000	50.13	3.59	53.72	74.00	-20.28	peak
5824.000	48.91	6.01	54.92	74.00	-19.08	peak
5824.000	29.20	6.01	35.21	54.00	-18.79	AVG

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



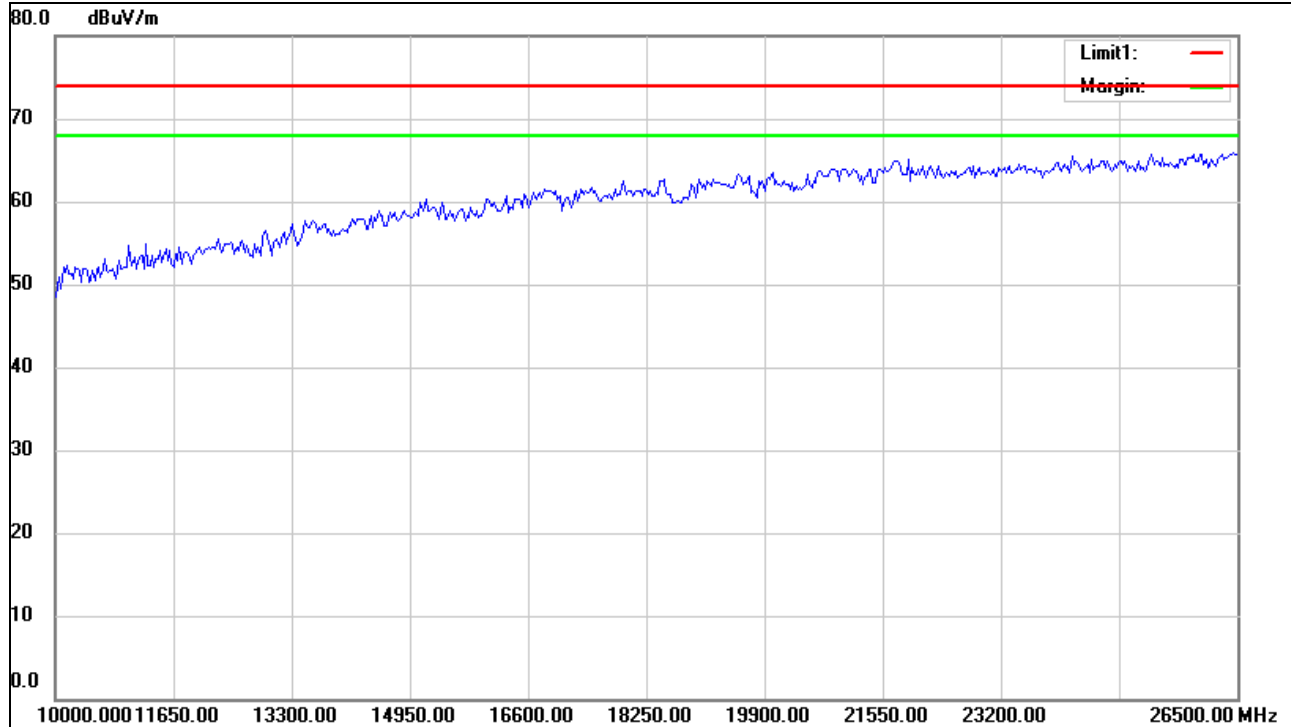
Horizontal

Detect: 10GHz -26.5GHz



Vertical

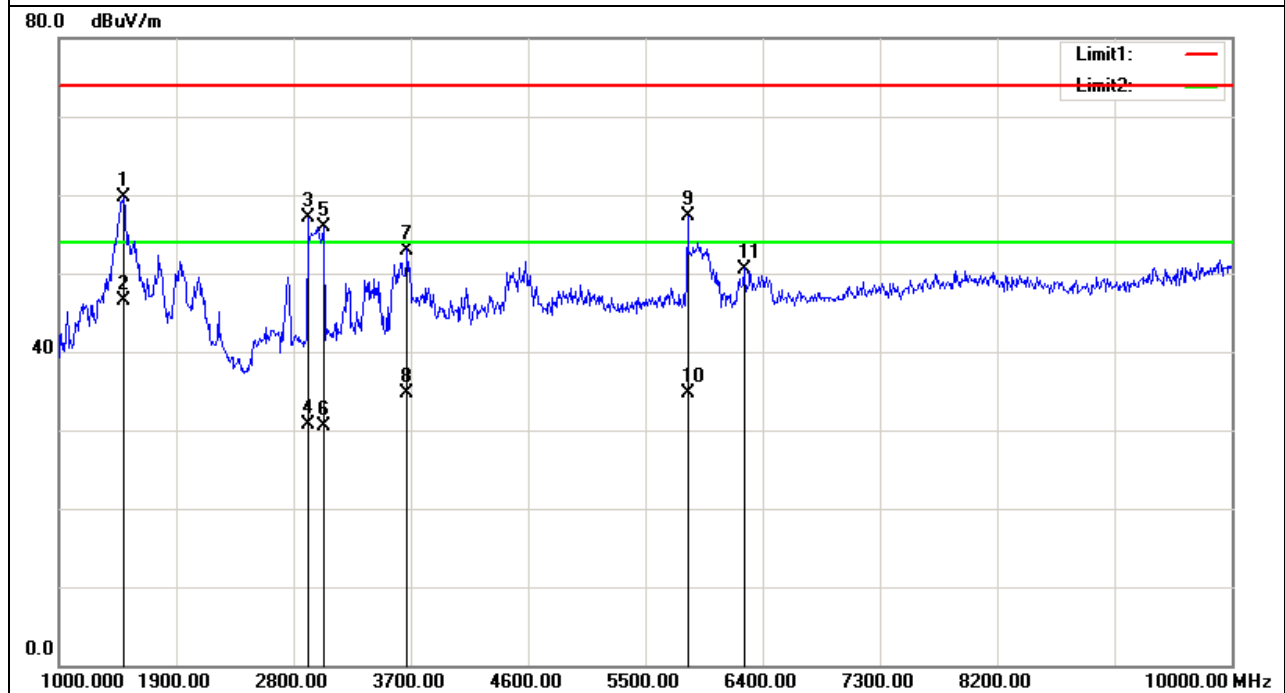
Detect: 10GHz -26.5GHz



EUT :	液晶顯示器	Model Name :	LE55Q6500U
Temperature :	24 °C	Relative Humidity :	54%
Pressure :	1010 hPa	Test Date :	2018-03-26
Test Mode :	TX CH06 (802.11g; Rate 6Mbps)	Polarization :	Horizontal
Measurement Distance	3 m	Frenqucy Range	1GHz to 25GHz
Test Power :	AC 110/60Hz		

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
1495.000	66.55	-6.89	59.66	74.00	-14.34	peak
1495.000	53.47	-6.89	46.58	54.00	-7.42	AVG
2908.000	58.66	-1.53	57.13	74.00	-16.87	peak
2908.000	32.19	-1.53	30.66	54.00	-23.34	AVG
3034.000	57.17	-1.30	55.87	74.00	-18.13	peak
3034.000	31.88	-1.30	30.58	54.00	-23.42	AVG
3673.000	52.79	0.21	53.00	74.00	-21.00	peak
3673.000	34.45	0.21	34.66	54.00	-19.34	AVG
5824.000	51.34	6.01	57.35	74.00	-16.65	peak
5824.000	28.67	6.01	34.68	54.00	-19.32	AVG
6256.000	44.11	6.49	50.60	74.00	-23.40	peak

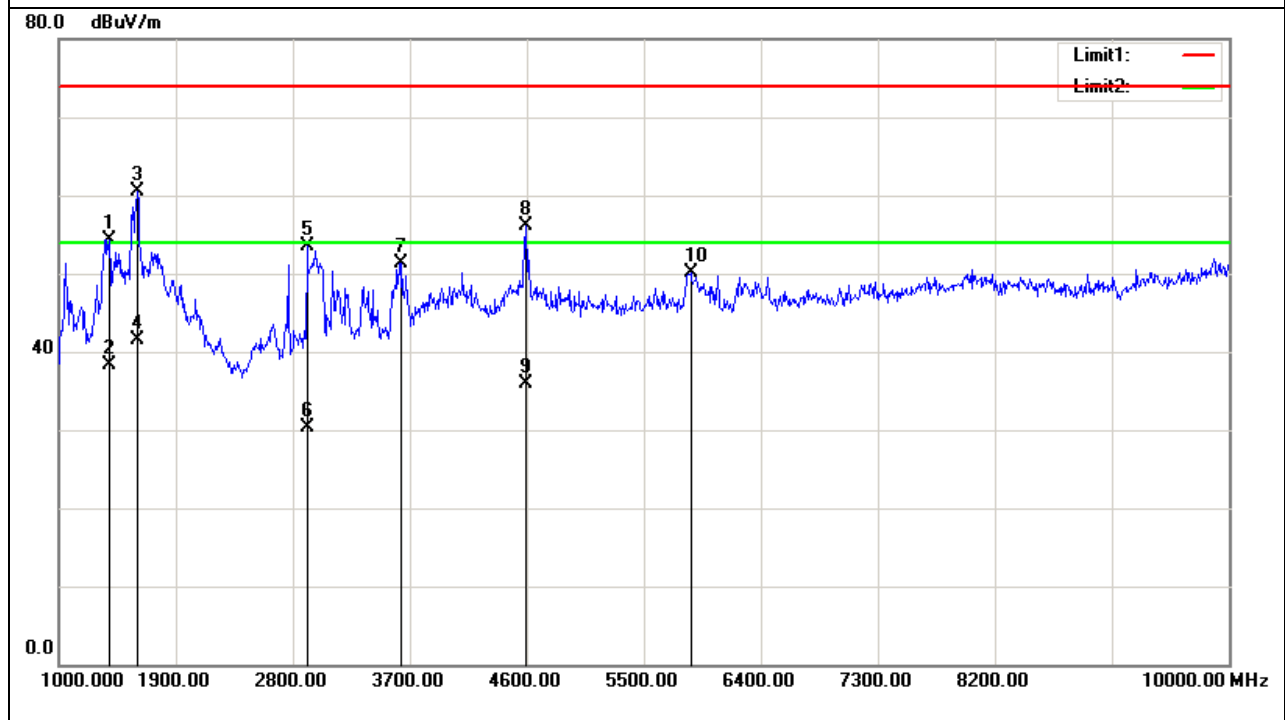
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT :	液晶顯示器	Model Name :	LE55Q6500U
Temperature :	24 °C	Relative Humidity :	54%
Pressure :	1010 hPa	Test Date :	2018-03-26
Test Mode :	TX CH06 (802.11g: Rate 6Mbps)	Polarization :	Vertical
Measurement Distance	3 m	Frenqucy Range	1GHz to 25GHz
Test Power :	AC 110/60Hz		

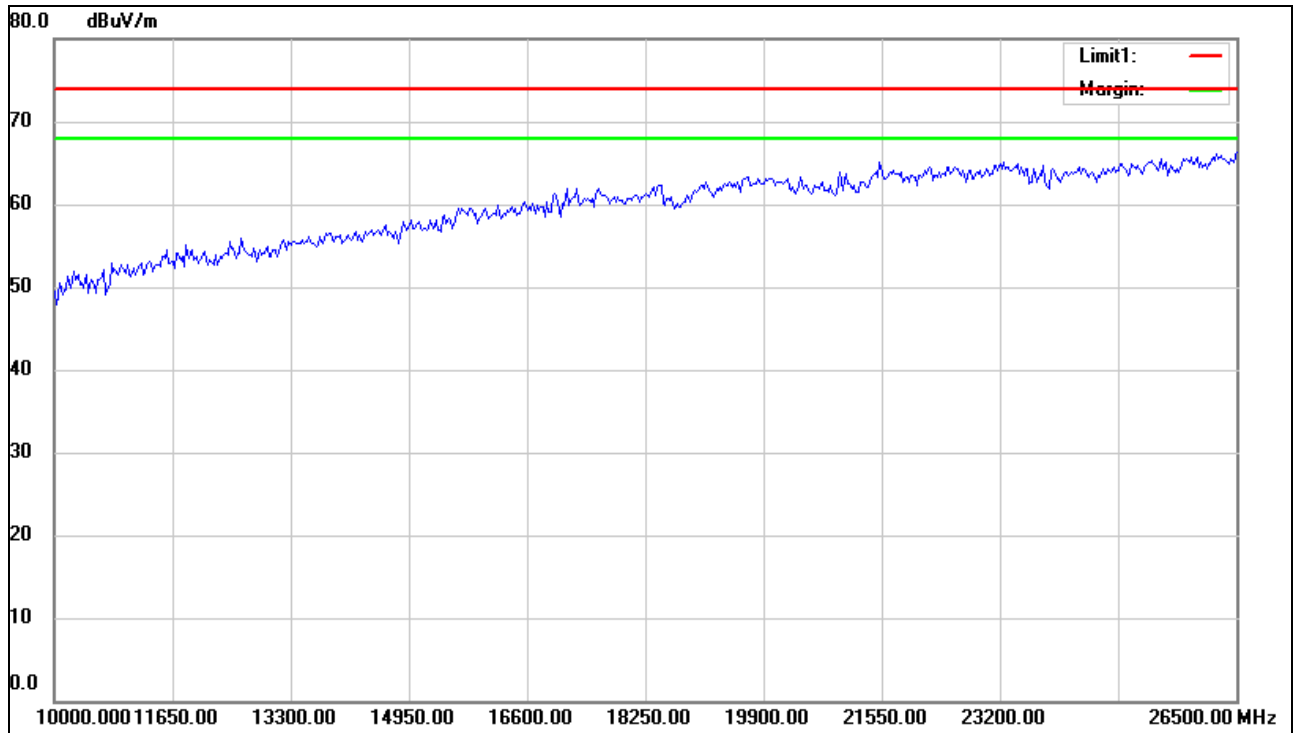
Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
1387.000	61.45	-7.11	54.34	74.00	-19.66	peak
1387.000	45.35	-7.11	38.24	54.00	-15.76	AVG
1603.000	67.21	-6.69	60.52	74.00	-13.48	peak
1603.000	48.12	-6.69	41.43	54.00	-12.57	AVG
2908.000	54.96	-1.53	53.43	74.00	-20.57	peak
2908.000	31.81	-1.53	30.28	54.00	-23.72	AVG
3637.000	51.30	0.06	51.36	74.00	-22.64	peak
4591.000	52.38	3.65	56.03	74.00	-17.97	peak
4591.000	32.28	3.65	35.93	54.00	-18.07	AVG
5860.000	44.06	6.02	50.08	74.00	-23.92	peak

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



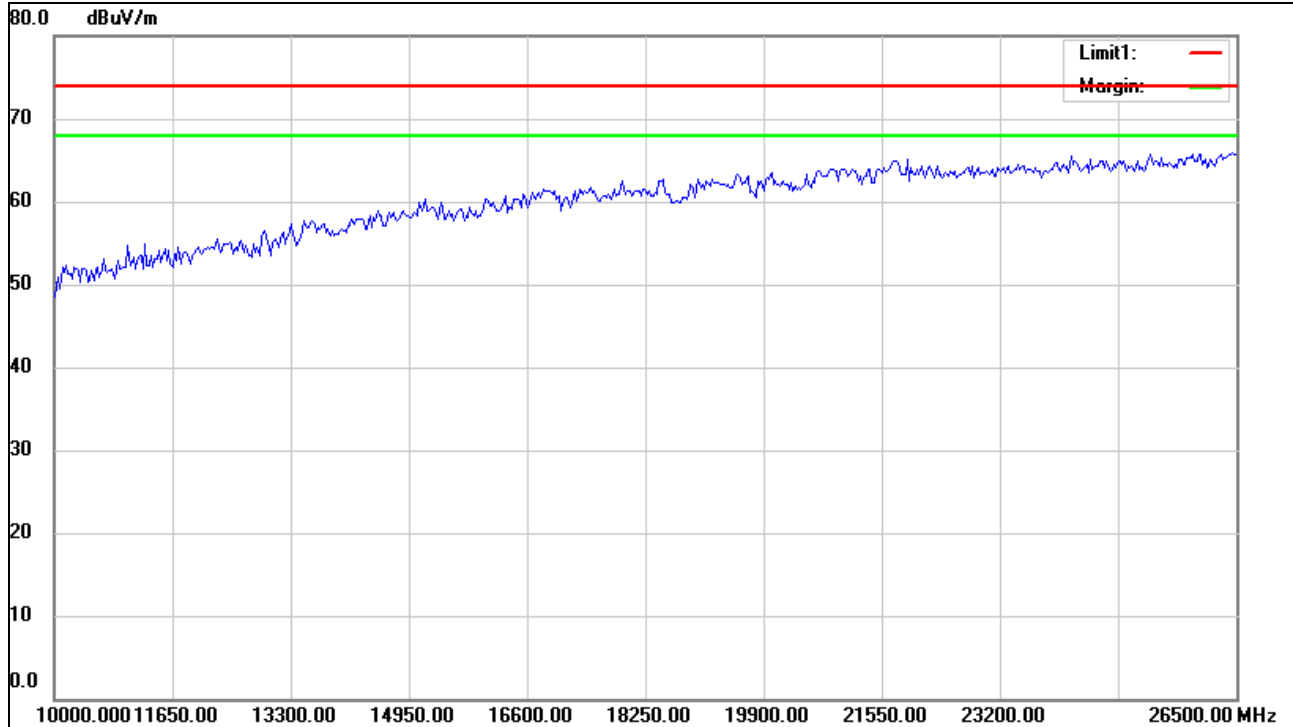
Horizontal

Detect: 10GHz -26.5GHz



Vertical

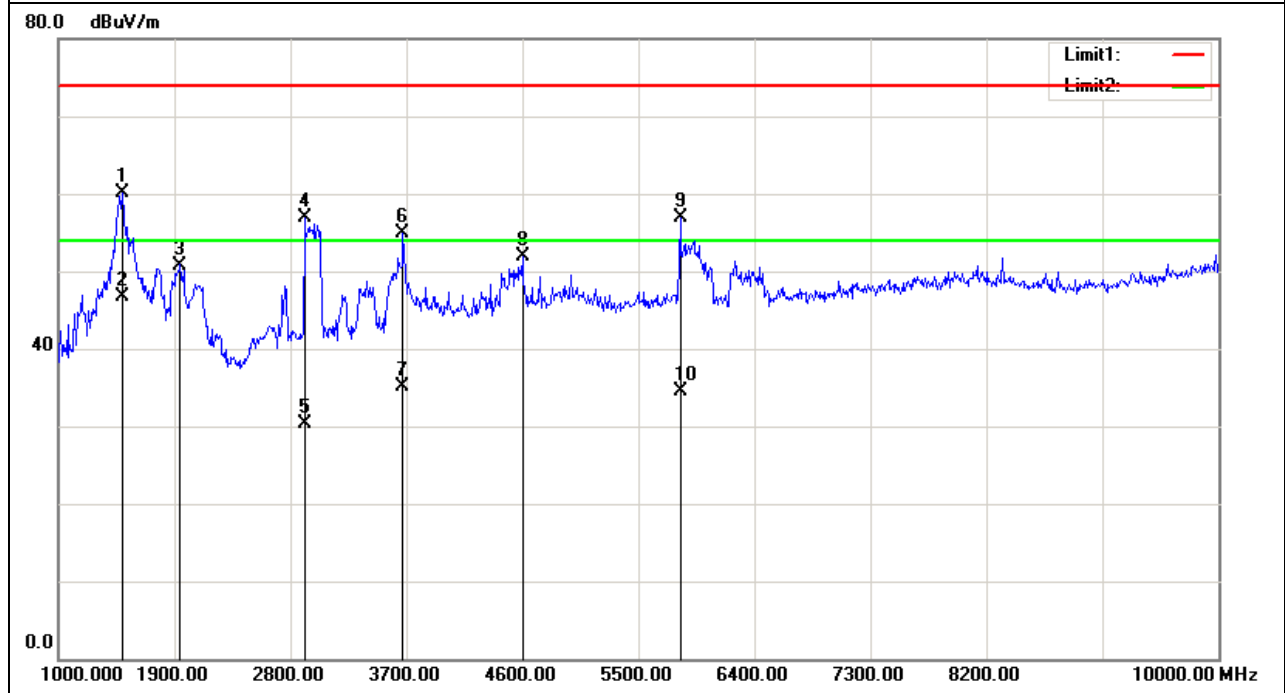
Detect: 10GHz -26.5GHz



EUT :	液晶顯示器	Model Name :	LE55Q6500U
Temperature :	24 °C	Relative Humidity :	54%
Pressure :	1010 hPa	Test Date :	2018-03-26
Test Mode :	TX CH11 (802.11g: Rate 6Mbps)	Polarization :	Horizontal
Measurement Distance	3 m	Frenqucy Range	1GHz to 25GHz
Test Power :	AC 110/60Hz		

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
1495.000	66.96	-6.89	60.07	74.00	-13.93	peak
1495.000	53.61	-6.89	46.72	54.00	-7.28	AVG
1945.000	56.15	-5.35	50.80	74.00	-23.20	peak
2908.000	58.38	-1.53	56.85	74.00	-17.15	peak
2908.000	31.89	-1.53	30.36	54.00	-23.64	AVG
3673.000	54.63	0.21	54.84	74.00	-19.16	peak
3673.000	34.86	0.21	35.07	54.00	-18.93	AVG
4600.000	48.29	3.68	51.97	74.00	-22.03	peak
5824.000	50.86	6.01	56.87	74.00	-17.13	peak
5824.000	28.59	6.01	34.60	54.00	-19.40	AVG

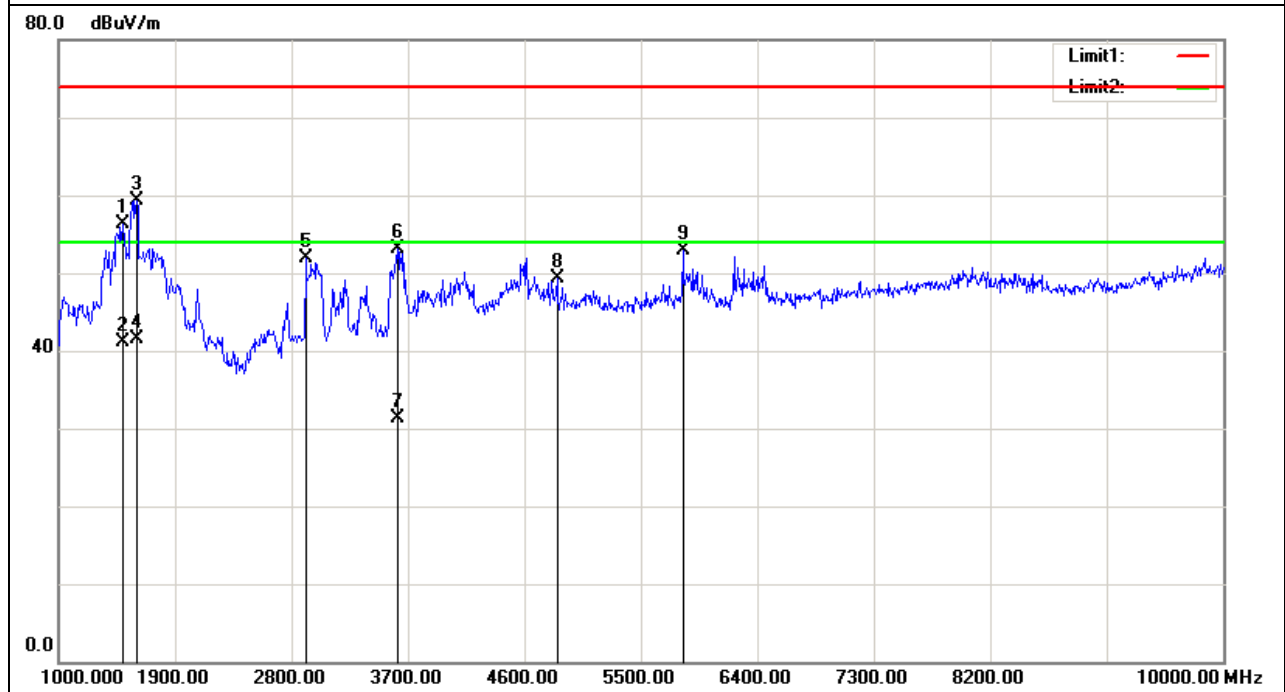
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT :	液晶顯示器	Model Name :	LE55Q6500U
Temperature :	24 °C	Relative Humidity :	54%
Pressure :	1010 hPa	Test Date :	2018-03-26
Test Mode :	TX CH11 (802.11g: Rate 6Mbps)	Polarization :	Vertical
Measurement Distance	3 m	Frenqucy Range	1GHz to 25GHz
Test Power :	AC 110/60Hz		

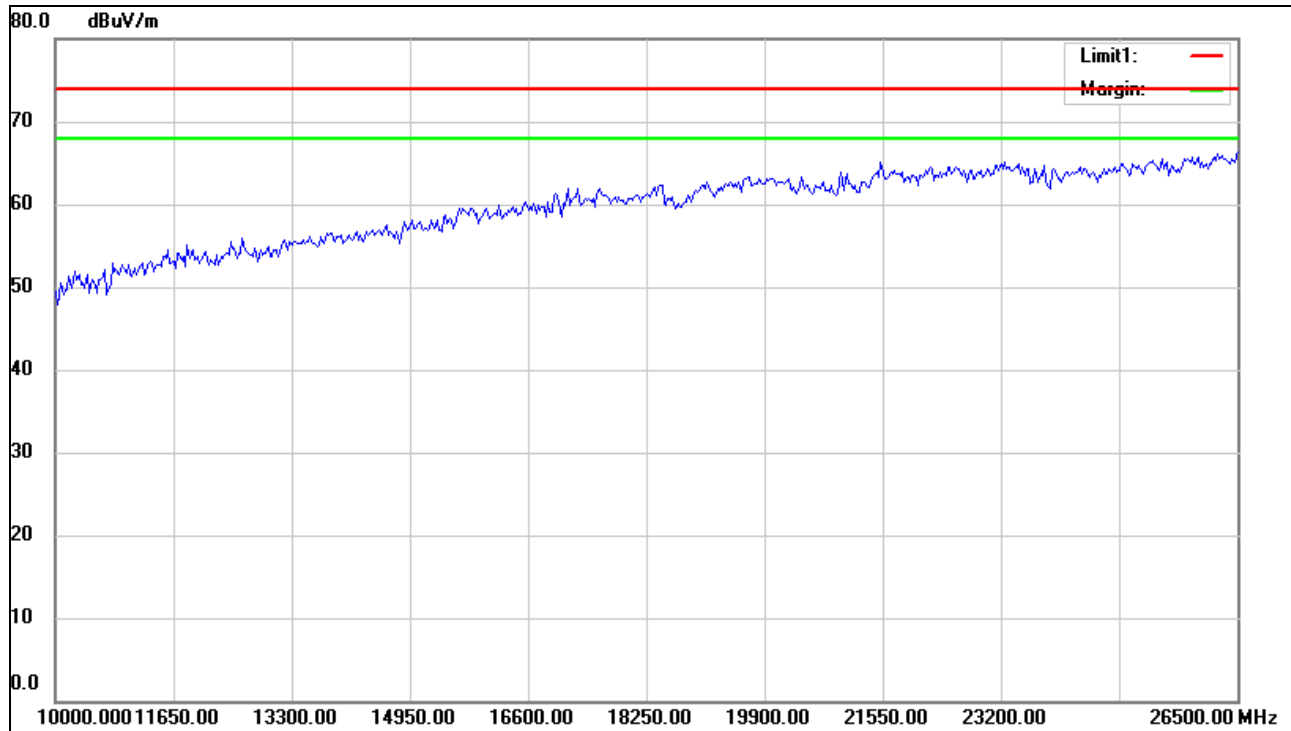
Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
1495.000	63.10	-6.89	56.21	74.00	-17.79	peak
1495.000	47.95	-6.89	41.06	54.00	-12.94	AVG
1603.000	66.03	-6.69	59.34	74.00	-14.66	peak
1603.000	48.13	-6.69	41.44	54.00	-12.56	AVG
2908.000	53.53	-1.53	52.00	74.00	-22.00	peak
3619.000	53.07	-0.02	53.05	74.00	-20.95	peak
3619.000	31.42	-0.02	31.40	54.00	-22.60	AVG
4852.000	44.85	4.50	49.35	74.00	-24.65	peak
5824.000	46.87	6.01	52.88	74.00	-21.12	peak

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



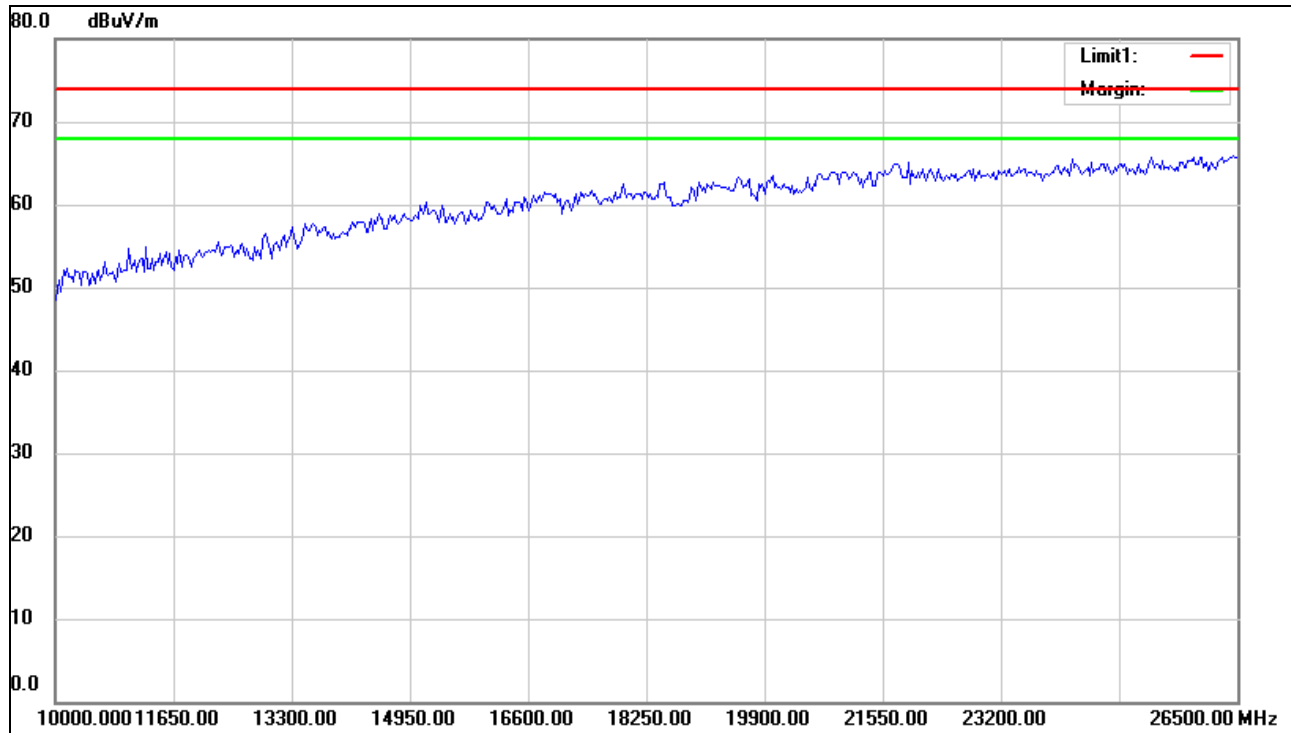
Horizontal

Detect: 10GHz -26.5GHz



Vertical

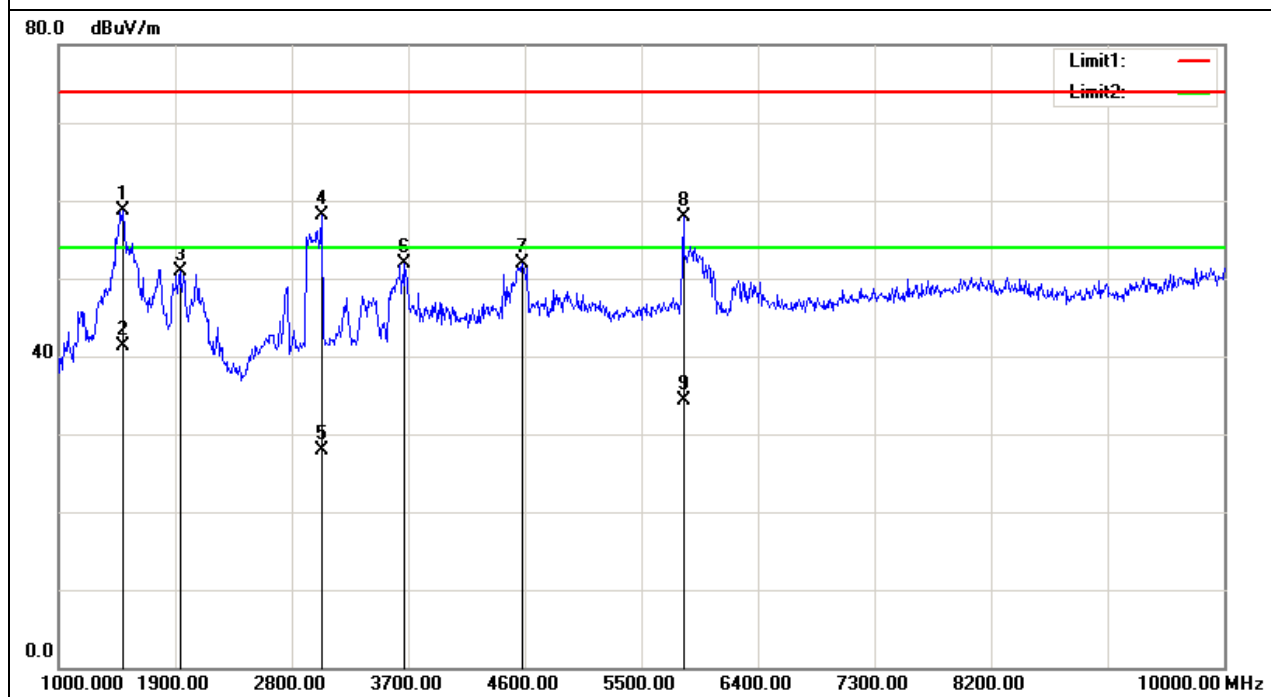
Detect: 10GHz -26.5GHz



EUT :	液晶顯示器	Model Name :	LE55Q6500U
Temperature :	24 °C	Relative Humidity :	54%
Pressure :	1010 hPa	Test Date :	2018-03-26
Test Mode :	TX CH01 (802.11n20 : Rate 6.5Mbps)	Polarization :	Horizontal
Measurement Distance	3 m	Frenqucy Range	1GHz to 25GHz
Test Power :	AC 110/60Hz		

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
1495.000	65.69	-6.89	58.80	74.00	-15.20	peak
1495.000	48.13	-6.89	41.24	54.00	-12.76	AVG
1936.000	56.22	-5.41	50.81	74.00	-23.19	peak
3034.000	59.42	-1.30	58.12	74.00	-15.88	peak
3034.000	29.22	-1.30	27.92	54.00	-26.08	AVG
3673.000	51.69	0.21	51.90	74.00	-22.10	peak
4582.000	48.19	3.62	51.81	74.00	-22.19	peak
5824.000	51.95	6.01	57.96	74.00	-16.04	peak
5824.000	28.28	6.01	34.29	54.00	-19.71	AVG

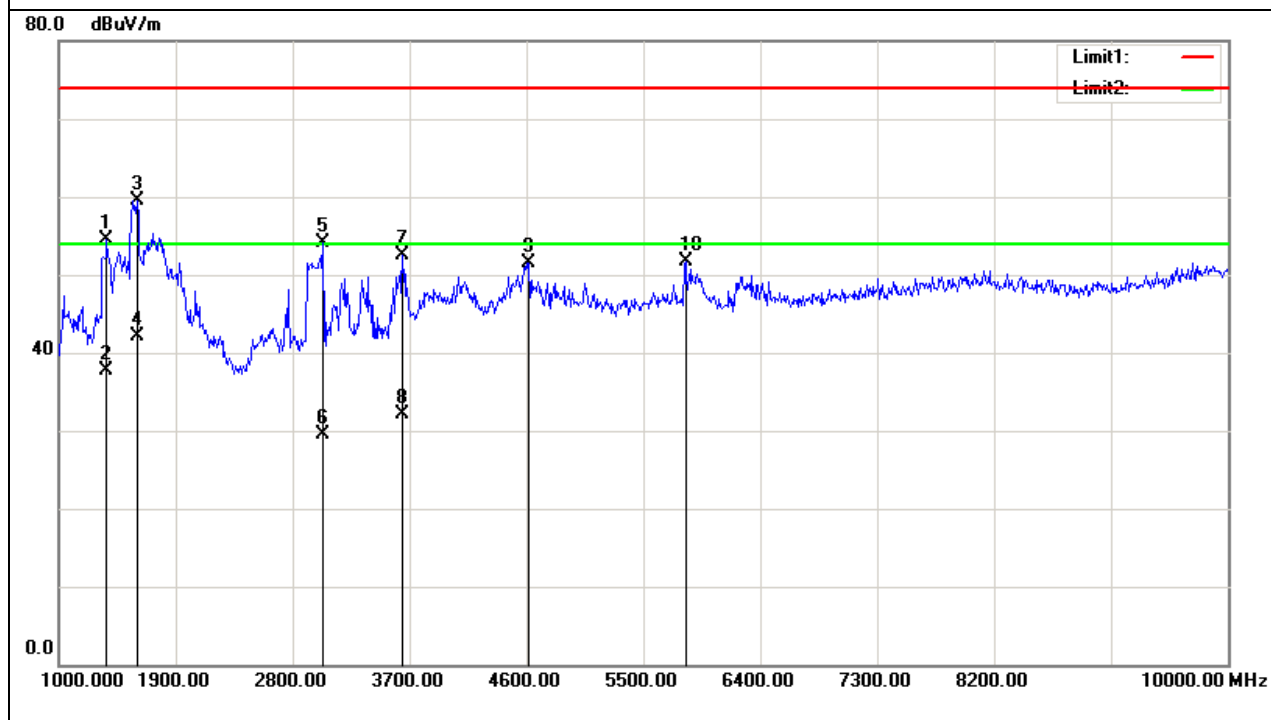
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.

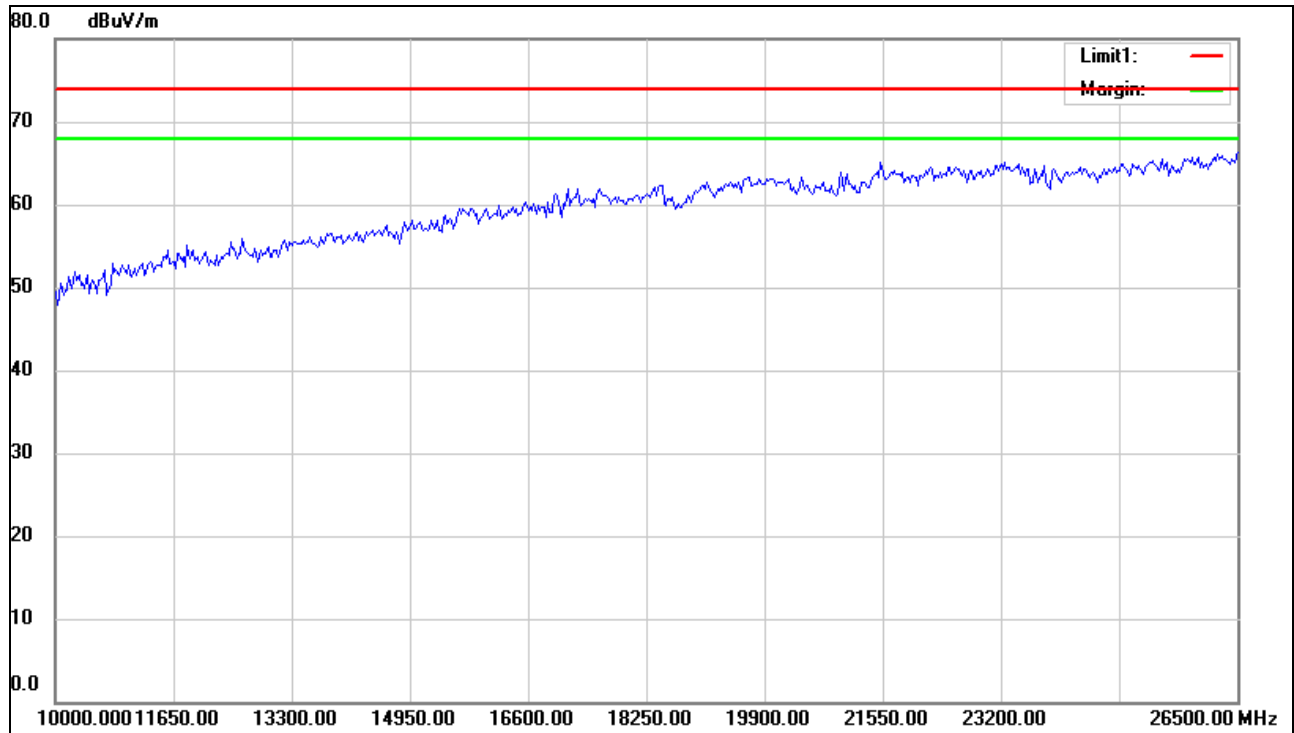
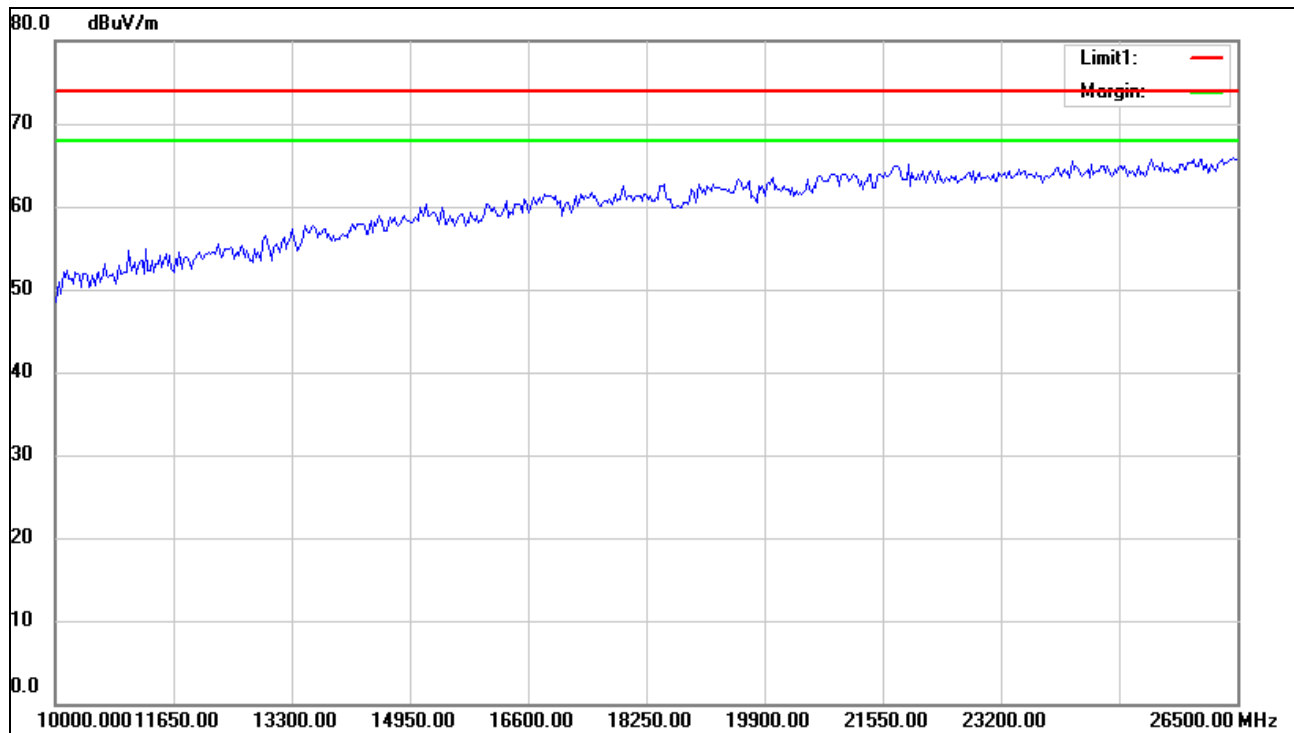


EUT :	液晶顯示器	Model Name :	LE55Q6500U
Temperature :	24 °C	Relative Humidity :	54%
Pressure :	1010 hPa	Test Date :	2018-03-26
Test Mode :	TX CH01 (802.11n20 : Rate 6.5Mbps)	Polarization :	Vertical
Measurement Distance	3 m	Frenqucy Range	1GHz to 25GHz
Test Power :	AC 110/60Hz		

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
1369.000	61.66	-7.17	54.49	74.00	-19.51	peak
1369.000	44.96	-7.17	37.79	54.00	-16.21	AVG
1603.000	66.13	-6.69	59.44	74.00	-14.56	peak
1603.000	48.73	-6.69	42.04	54.00	-11.96	AVG
3034.000	55.38	-1.30	54.08	74.00	-19.92	peak
3034.000	30.79	-1.30	29.49	54.00	-24.51	AVG
3646.000	52.44	0.10	52.54	74.00	-21.46	peak
3646.000	32.00	0.10	32.10	54.00	-21.90	AVG
4618.000	47.86	3.73	51.59	74.00	-22.41	peak
5824.000	45.67	6.01	51.68	74.00	-22.32	peak

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

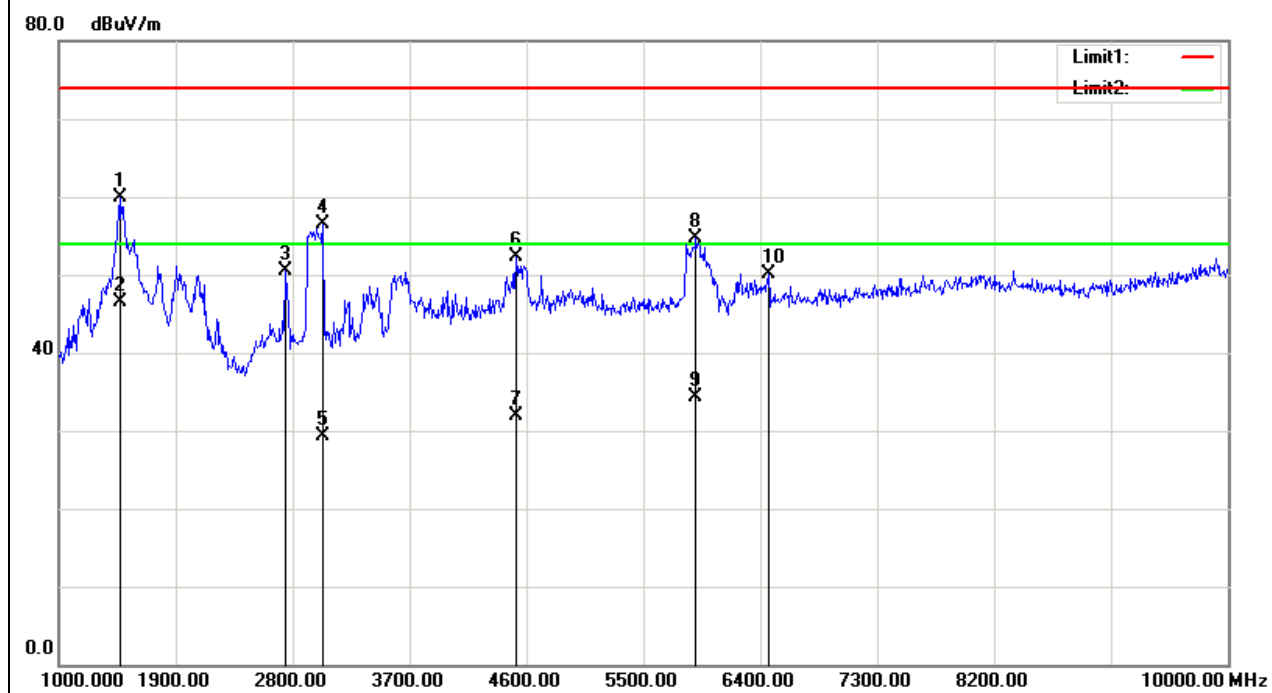


Horizontal**Detect: 10GHz -26.5GHz**Vertical**Detect: 10GHz -26.5GHz**

EUT :	液晶顯示器	Model Name :	LE55Q6500U
Temperature :	24 °C	Relative Humidity :	54%
Pressure :	1010 hPa	Test Date :	2018-03-26
Test Mode :	TX CH06 (802.11n20 : Rate 6.5Mbps)	Polarization :	Horizontal
Measurement Distance	3 m	Frenqucy Range	1GHz to 25GHz
Test Power :	AC 110/60Hz		

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
1477.000	66.77	-6.92	59.85	74.00	-14.15	peak
1477.000	53.37	-6.92	46.45	54.00	-7.55	AVG
2746.000	52.41	-1.82	50.59	74.00	-23.41	peak
3034.000	57.79	-1.30	56.49	74.00	-17.51	peak
3034.000	30.60	-1.30	29.30	54.00	-24.70	AVG
4519.000	48.96	3.41	52.37	74.00	-21.63	peak
4519.000	28.43	3.41	31.84	54.00	-22.16	AVG
5905.000	48.58	6.04	54.62	74.00	-19.38	peak
5905.000	28.35	6.04	34.39	54.00	-19.61	AVG
6463.000	43.25	6.83	50.08	74.00	-23.92	peak

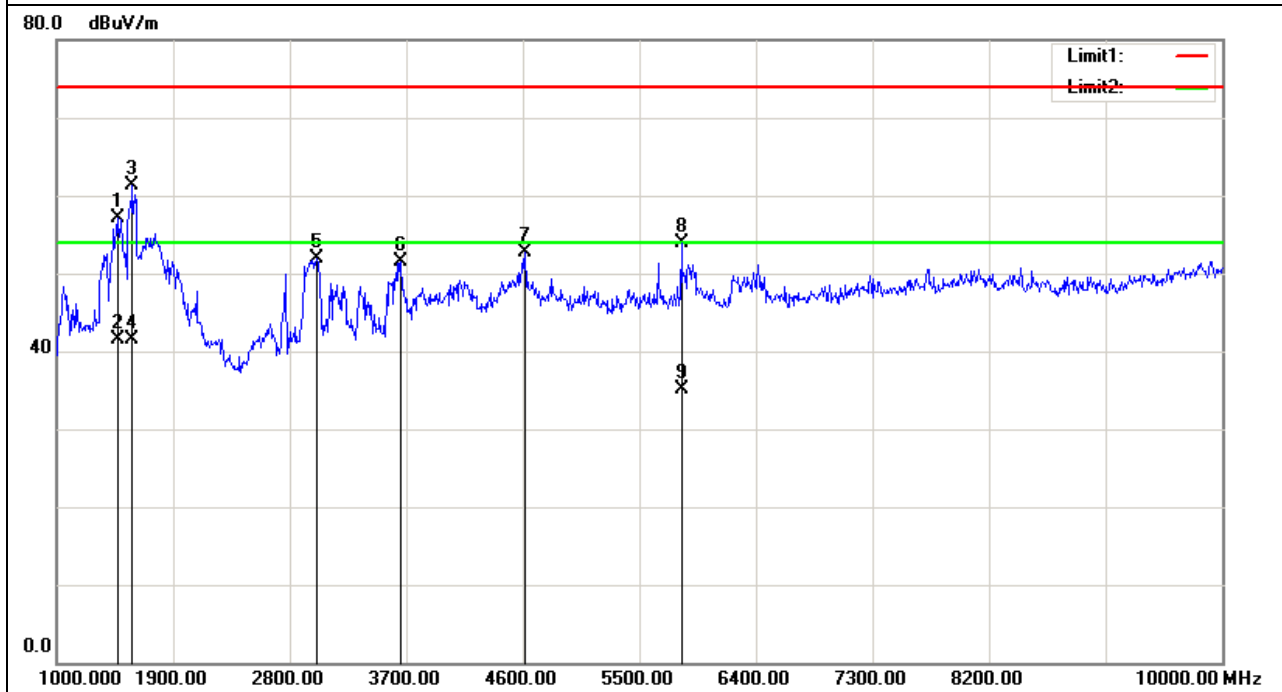
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT :	液晶顯示器	Model Name :	LE55Q6500U
Temperature :	24 °C	Relative Humidity :	54%
Pressure :	1010 hPa	Test Date :	2018-03-26
Test Mode :	TX CH06 (802.11n20 : Rate 6.5Mbps)	Polarization :	Vertical
Measurement Distance	3 m	Frenqucy Range	1GHz to 25GHz
Test Power :	AC 110/60Hz		

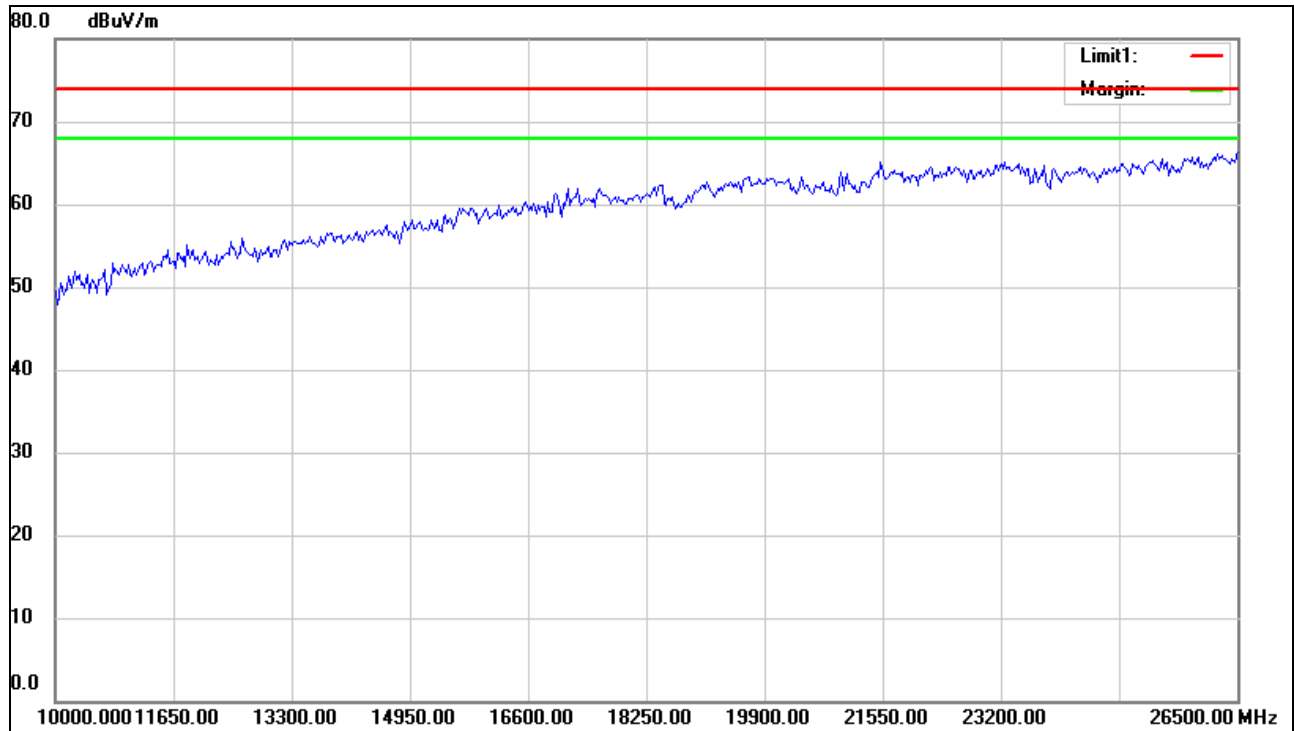
Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
1477.000	63.99	-6.92	57.07	74.00	-16.93	peak
1477.000	48.44	-6.92	41.52	54.00	-12.48	AVG
1585.000	68.03	-6.73	61.30	74.00	-12.70	peak
1585.000	48.27	-6.73	41.54	54.00	-12.46	AVG
3007.000	53.18	-1.35	51.83	74.00	-22.17	peak
3655.000	51.41	0.13	51.54	74.00	-22.46	peak
4618.000	49.01	3.73	52.74	74.00	-21.26	peak
5824.000	47.93	6.01	53.94	74.00	-20.06	peak
5824.000	29.07	6.01	35.08	54.00	-18.92	AVG

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

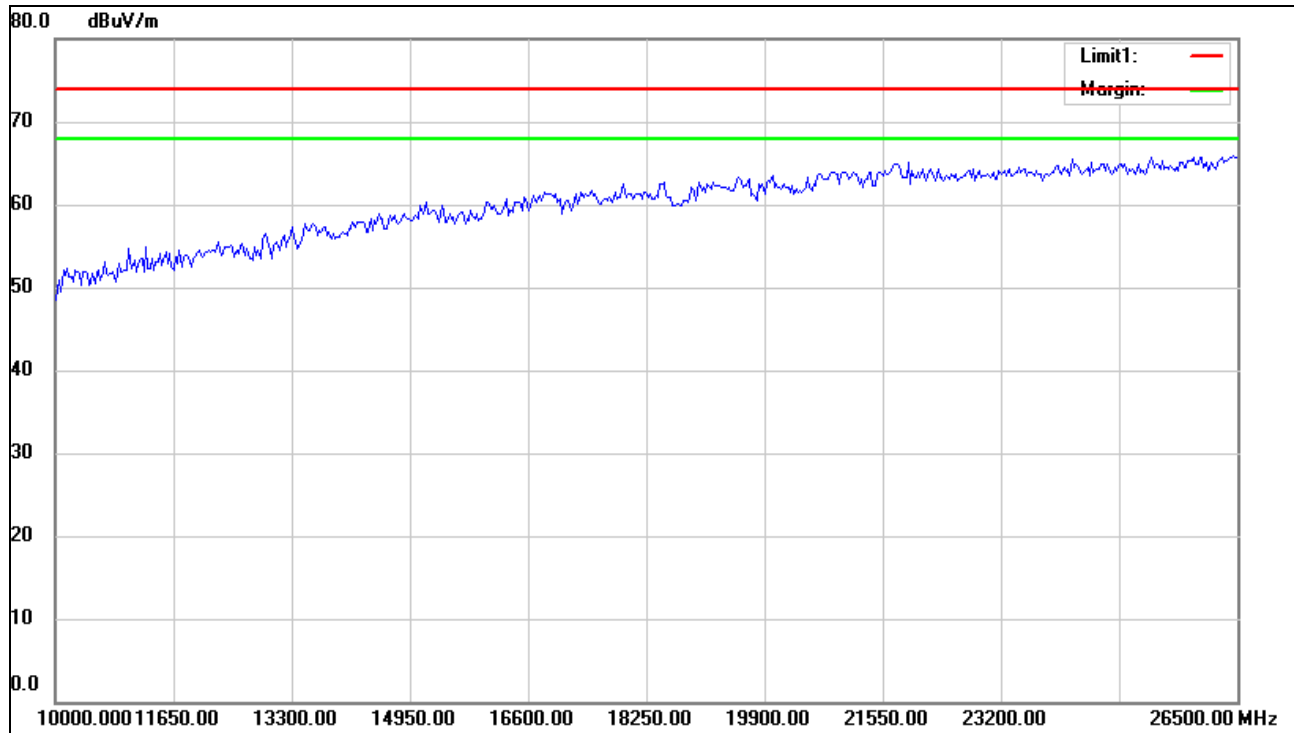


Horizontal

Detect: 10GHz -26.5GHz

Vertical

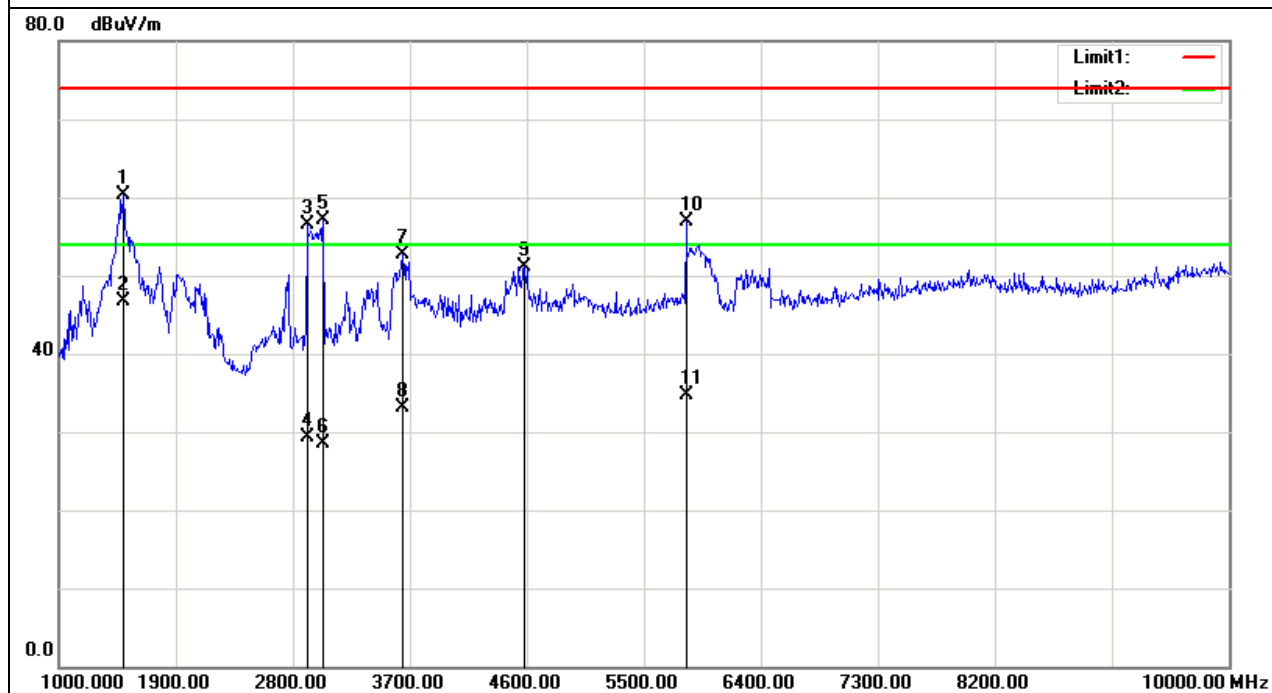
Detect: 10GHz -26.5GHz



EUT :	液晶顯示器	Model Name :	LE55Q6500U
Temperature :	24 °C	Relative Humidity :	54%
Pressure :	1010 hPa	Test Date :	2018-03-26
Test Mode :	TX CH11 (802.11n20 : Rate 6.5Mbps)	Polarization :	Horizontal
Measurement Distance	3 m	Frenqucy Range	1GHz to 25GHz
Test Power :	AC 110/60Hz		

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
1495.000	67.29	-6.89	60.40	74.00	-13.60	peak
1495.000	53.53	-6.89	46.64	54.00	-7.36	AVG
2908.000	57.94	-1.53	56.41	74.00	-17.59	peak
2908.000	30.85	-1.53	29.32	54.00	-24.68	AVG
3034.000	58.41	-1.30	57.11	74.00	-16.89	peak
3034.000	29.79	-1.30	28.49	54.00	-25.51	AVG
3646.000	52.58	0.10	52.68	74.00	-21.32	peak
3646.000	33.04	0.10	33.14	74.00	-40.86	peak
4582.000	47.54	3.62	51.16	74.00	-22.84	peak
5824.000	50.80	6.01	56.81	74.00	-17.19	peak
5824.000	28.67	6.01	34.68	54.00	-19.32	AVG

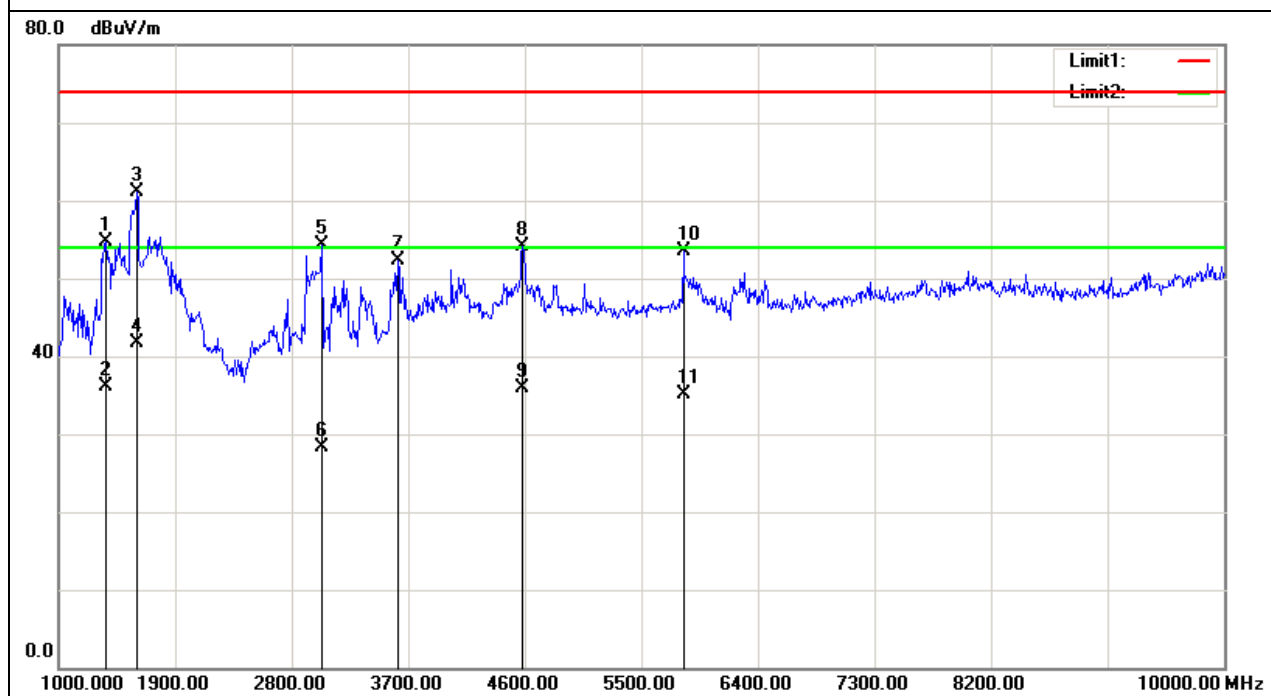
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.

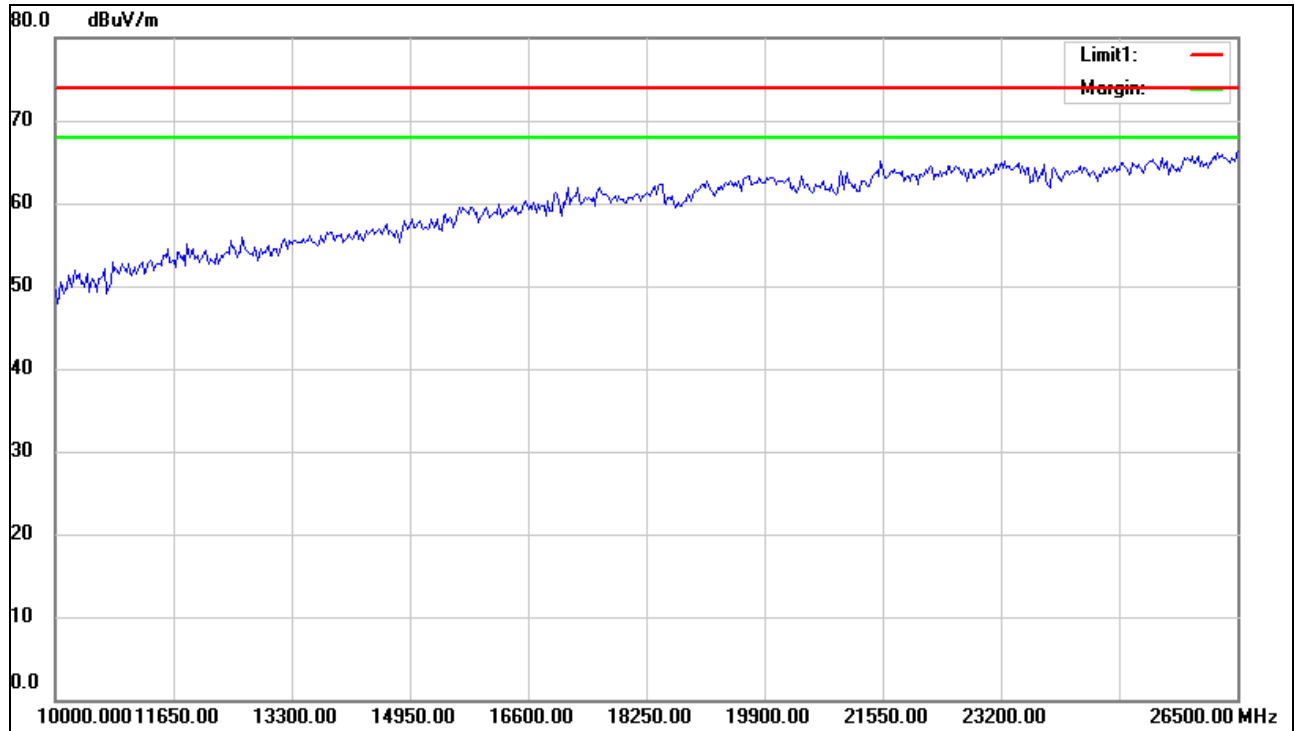
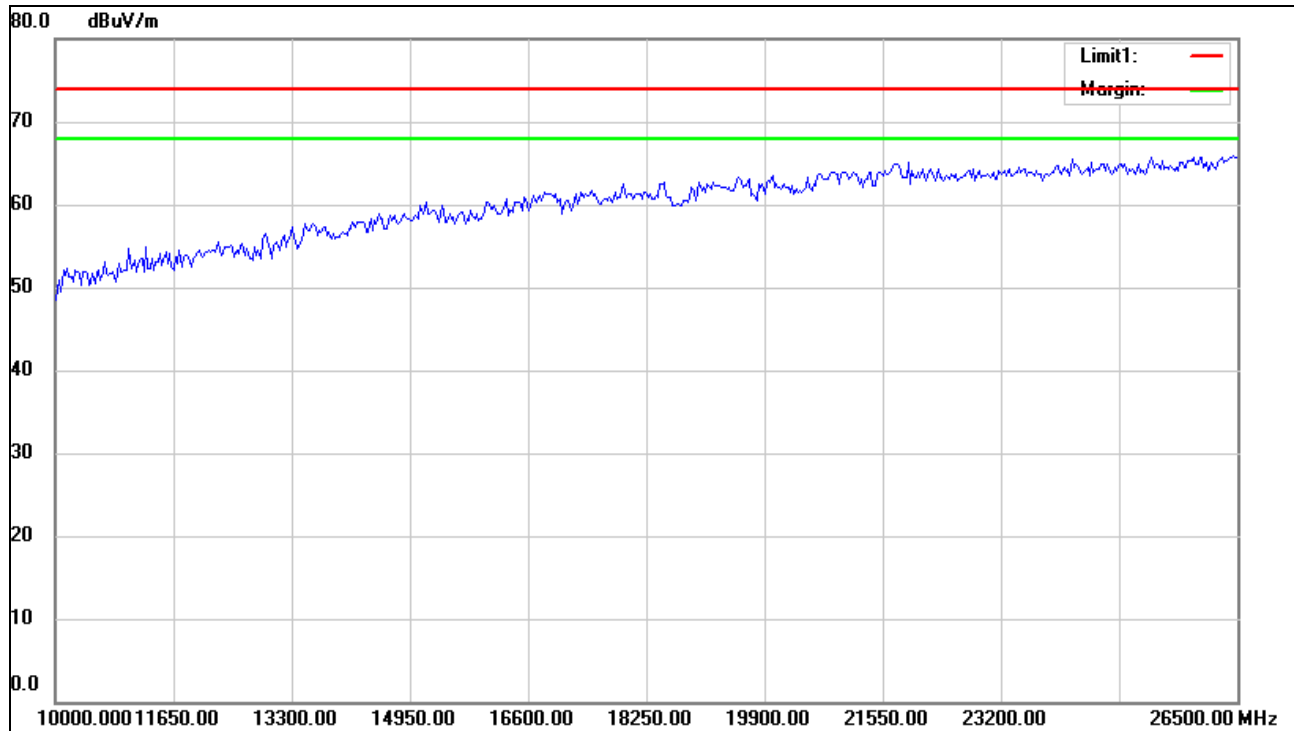


EUT :	液晶顯示器	Model Name :	LE55Q6500U
Temperature :	24 °C	Relative Humidity :	54%
Pressure :	1010 hPa	Test Date :	2018-03-26
Test Mode :	TX CH11 (802.11n20 : Rate 6.5Mbps)	Polarization :	Vertical
Measurement Distance	3 m	Frenqucy Range	1GHz to 25GHz
Test Power :	AC 110/60Hz		

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
1360.000	61.88	-7.21	54.67	74.00	-19.33	peak
1360.000	43.37	-7.21	36.16	54.00	-17.84	AVG
1603.000	67.73	-6.69	61.04	74.00	-12.96	peak
1603.000	48.37	-6.69	41.68	54.00	-12.32	AVG
3034.000	55.65	-1.30	54.35	74.00	-19.65	peak
3034.000	29.55	-1.30	28.25	54.00	-25.75	AVG
3619.000	52.29	-0.02	52.27	74.00	-21.73	peak
4582.000	50.41	3.62	54.03	74.00	-19.97	peak
4582.000	32.33	3.62	35.95	54.00	-18.05	AVG
5824.000	47.43	6.01	53.44	74.00	-20.56	peak
5824.000	29.04	6.01	35.05	54.00	-18.95	AVG

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

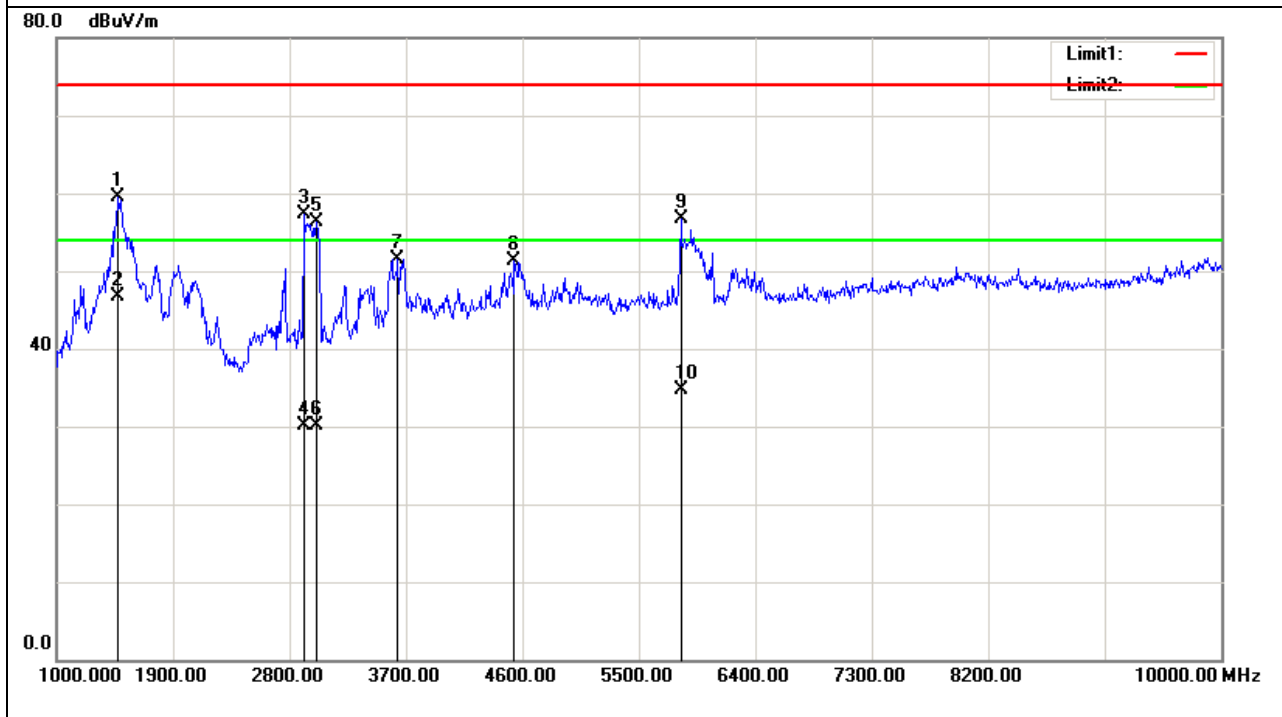


Horizontal**Detect: 10GHz -26.5GHz****Vertical****Detect: 10GHz -26.5GHz**

EUT :	液晶顯示器	Model Name :	LE55Q6500U
Temperature :	24 °C	Relative Humidity :	54%
Pressure :	1010 hPa	Test Date :	2018-03-26
Test Mode :	TX CH03 (802.11n40 : Rate 13.5Mbps)	Polarization :	Horizontal
Measurement Distance	3 m	Frenqucy Range	1GHz to 25GHz
Test Power :	AC 110/60Hz		

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
1477.000	66.37	-6.92	59.45	74.00	-14.55	peak
1477.000	53.57	-6.92	46.65	54.00	-7.35	AVG
2908.000	58.88	-1.53	57.35	74.00	-16.65	peak
2908.000	31.63	-1.53	30.10	54.00	-23.90	AVG
3007.000	57.74	-1.35	56.39	74.00	-17.61	peak
3007.000	31.37	-1.35	30.02	54.00	-23.98	AVG
3637.000	51.50	0.06	51.56	74.00	-22.44	peak
4537.000	47.81	3.47	51.28	74.00	-22.72	peak
5824.000	50.75	6.01	56.76	74.00	-17.24	peak
5824.000	28.61	6.01	34.62	54.00	-19.38	AVG

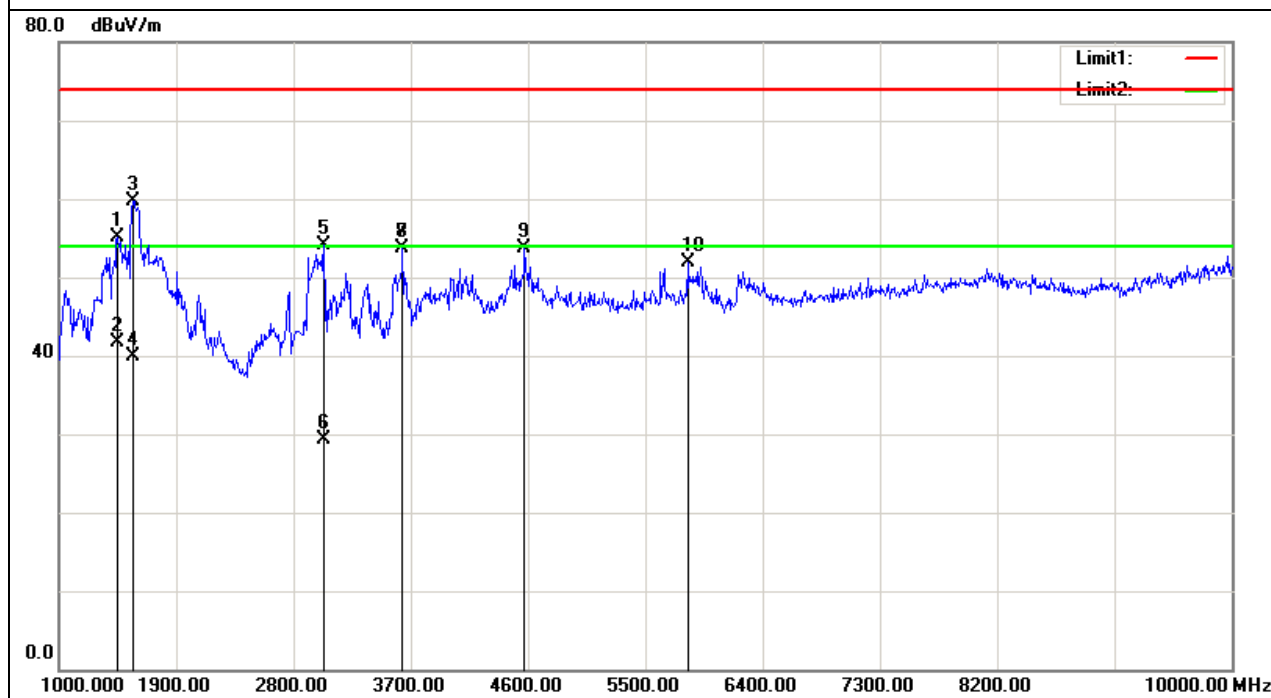
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT :	液晶顯示器	Model Name :	LE55Q6500U
Temperature :	24 °C	Relative Humidity :	54%
Pressure :	1010 hPa	Test Date :	2018-03-26
Test Mode :	TX CH03 (802.11n40 : Rate 13.5Mbps)	Polarization :	Vertical
Measurement Distance	3 m	Frenqucy Range	1GHz to 25GHz
Test Power :	AC 110/60Hz		

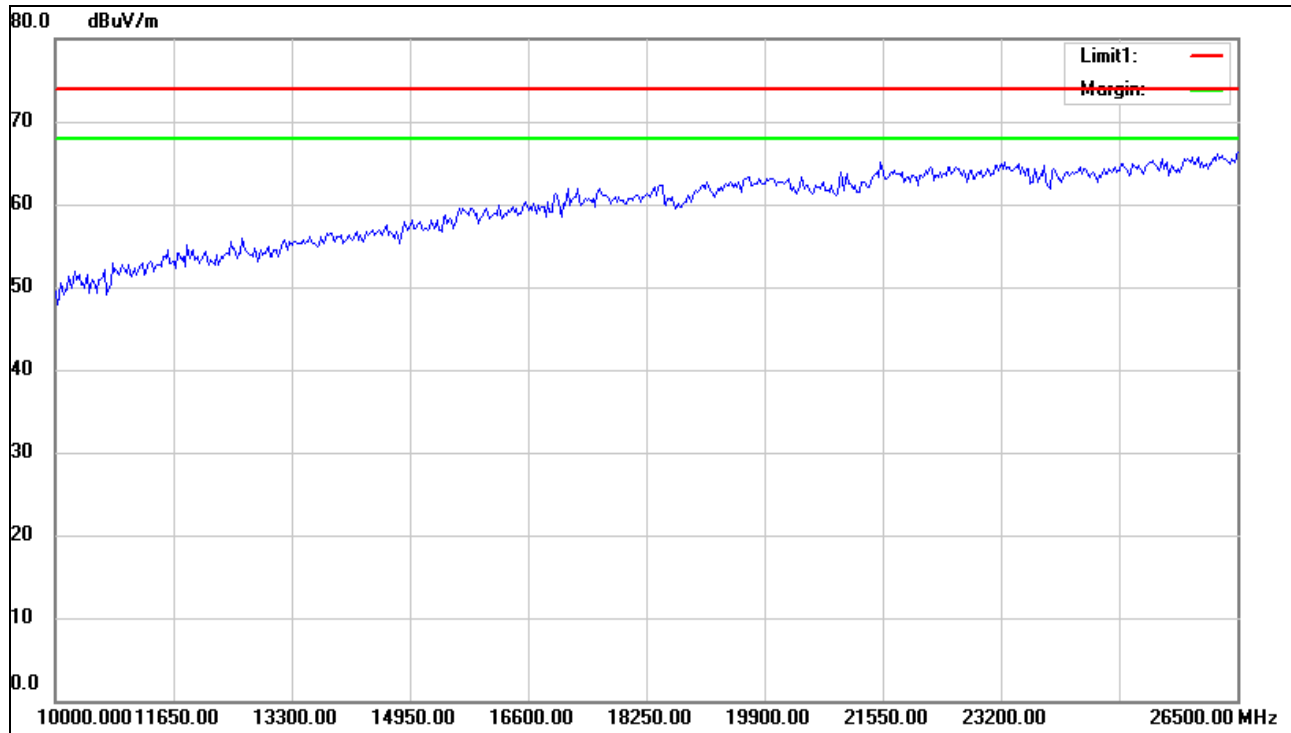
Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
1450.000	62.10	-6.97	55.13	74.00	-18.87	peak
1450.000	48.70	-6.97	41.73	54.00	-12.27	AVG
1567.000	66.42	-6.76	59.66	74.00	-14.34	peak
1567.000	46.63	-6.76	39.87	54.00	-14.13	AVG
3034.000	55.36	-1.30	54.06	74.00	-19.94	peak
3034.000	30.63	-1.30	29.33	54.00	-24.67	AVG
3637.000	53.56	0.06	53.62	74.00	-20.38	peak
3637.000	53.56	0.06	53.62	54.00	-0.38	AVG
4573.000	50.15	3.59	53.74	74.00	-20.26	peak
5824.000	45.91	6.01	51.92	74.00	-22.08	peak

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



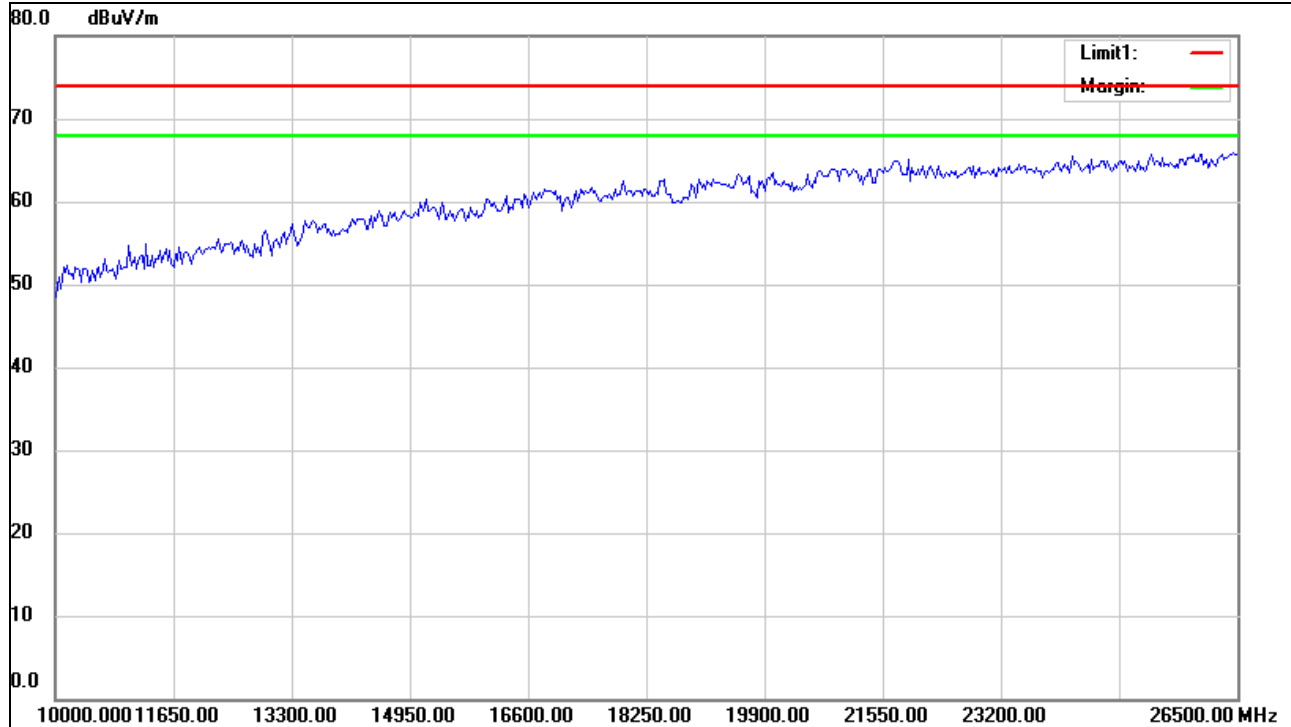
Horizontal

Detect: 10GHz -26.5GHz



Vertical

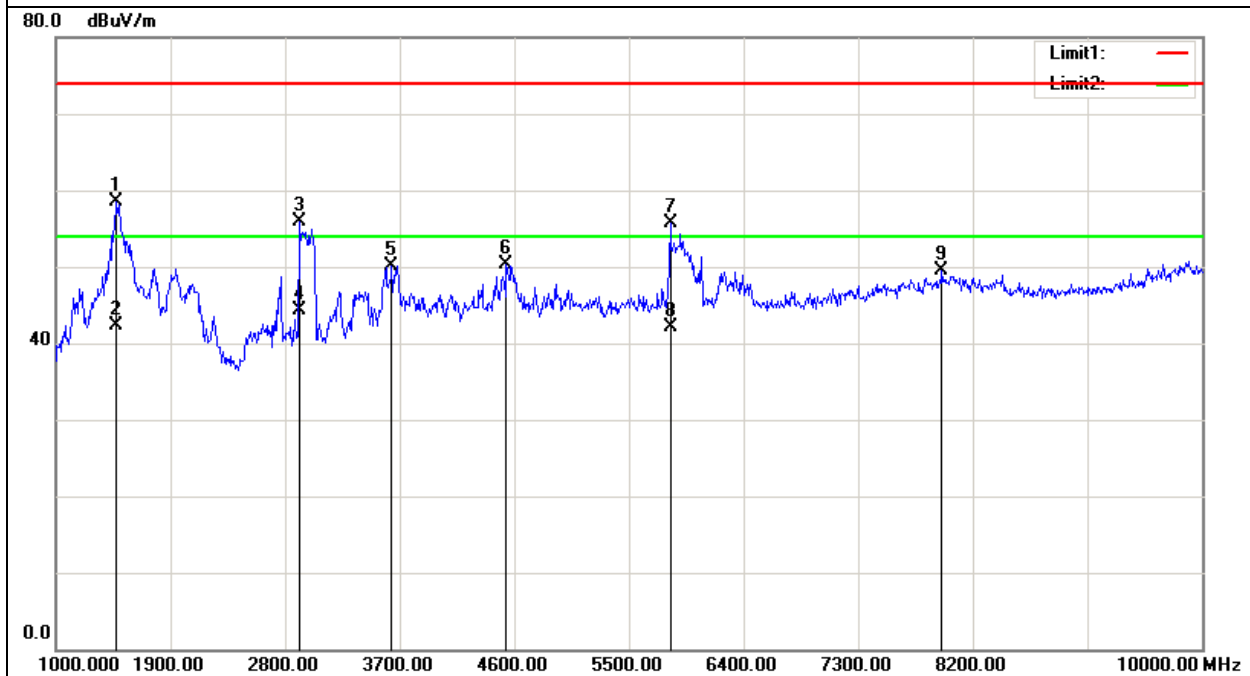
Detect: 10GHz -26.5GHz



EUT :	液晶顯示器	Model Name :	LE55Q6500U
Temperature :	24 °C	Relative Humidity :	54%
Pressure :	1010 hPa	Test Date :	2018-03-26
Test Mode :	TX CH06 (802.11n40 : Rate 13.5Mbps)	Polarization :	Horizontal
Measurement Distance	3 m	Frenqucy Range	1GHz to 25GHz
Test Power :	AC 110/60Hz		

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
1477.000	65.37	-6.92	58.45	74.00	-15.55	peak
1477.000	49.25	-6.92	42.33	54.00	-11.67	AVG
2908.000	57.38	-1.53	55.85	74.00	-18.15	peak
2908.000	45.78	-1.53	44.25	54.00	-9.75	AVG
3637.000	50.00	0.06	50.06	74.00	-23.94	peak
4537.000	46.81	3.47	50.28	74.00	-23.72	peak
5824.000	49.75	6.01	55.76	74.00	-18.24	peak
5824.000	36.12	6.01	42.13	54.00	-11.87	AVG
7957.000	40.01	9.57	49.58	74.00	-24.42	peak

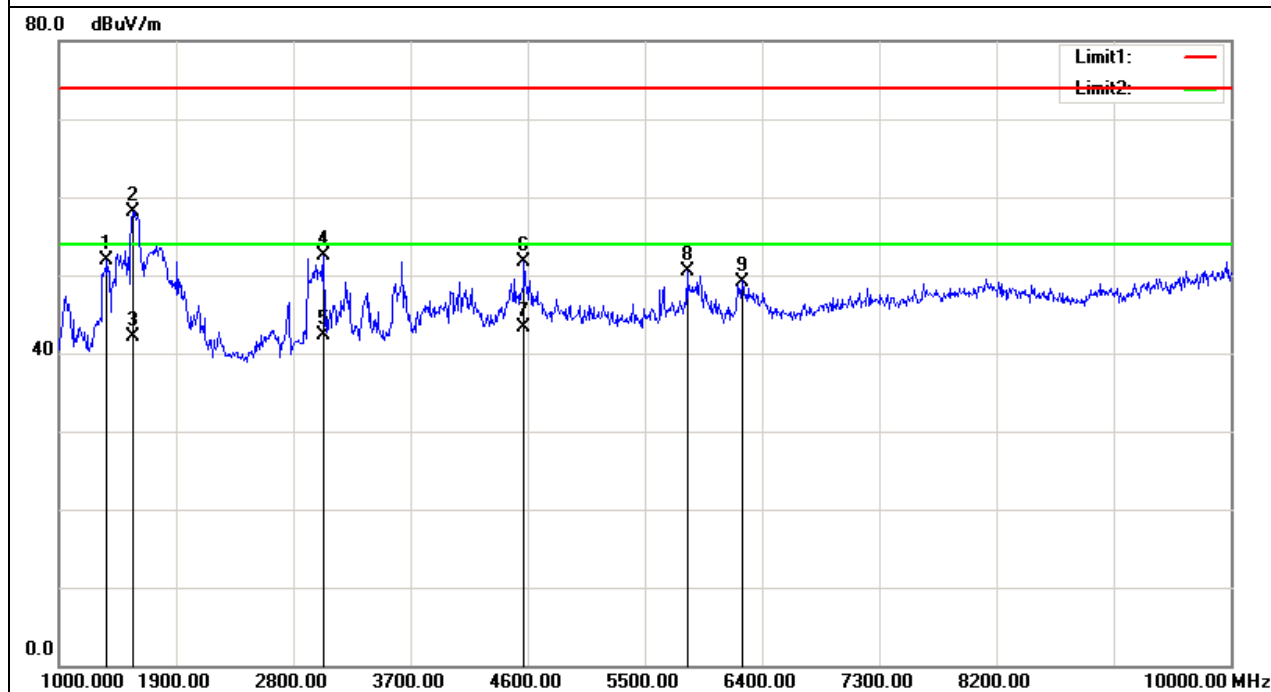
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT :	液晶顯示器	Model Name :	LE55Q6500U
Temperature :	24 °C	Relative Humidity :	54%
Pressure :	1010 hPa	Test Date :	2018-03-26
Test Mode :	TX CH06 (802.11n40 : Rate 13.5Mbps)	Polarization :	Vertical
Measurement Distance	3 m	Frenqucy Range	1GHz to 25GHz
Test Power :	AC 110/60Hz		

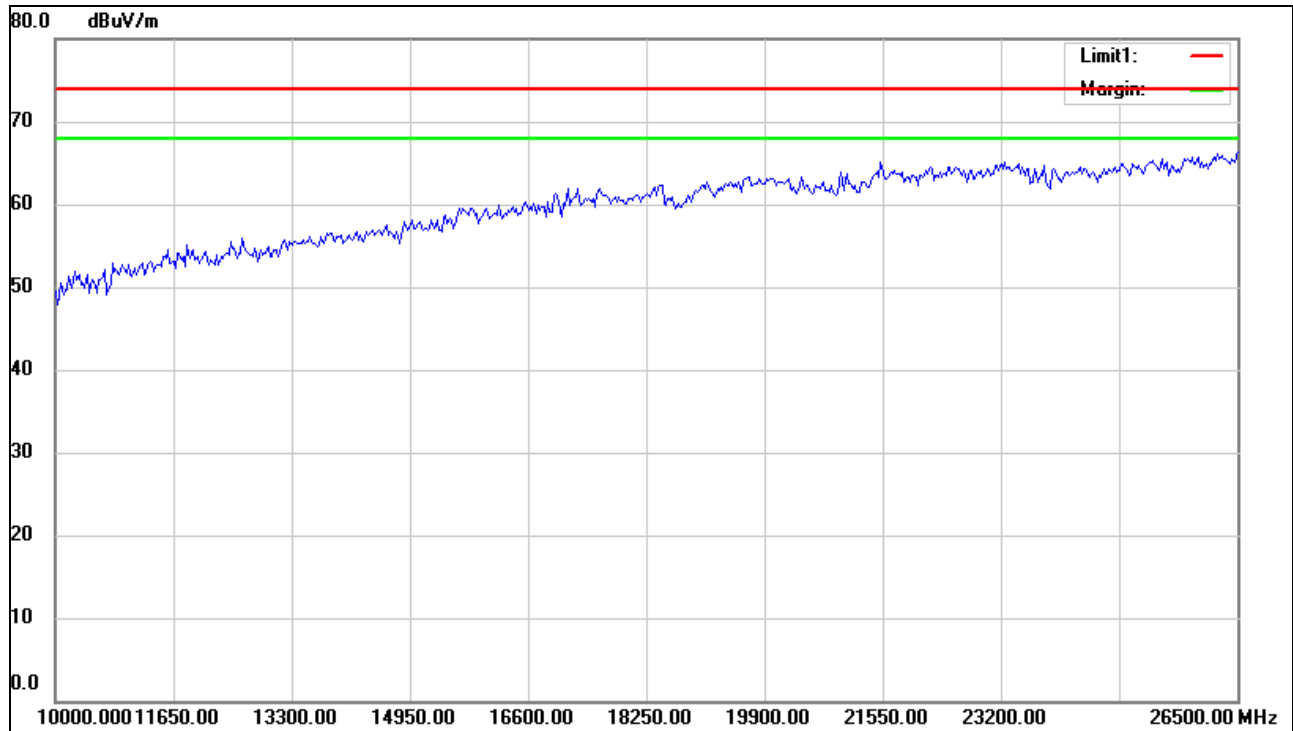
Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
1369.000	59.08	-7.17	51.91	74.00	-22.09	peak
1567.000	64.92	-6.76	58.16	74.00	-15.84	peak
1567.000	48.89	-6.76	42.13	54.00	-11.87	AVG
3034.000	53.86	-1.30	52.56	74.00	-21.44	peak
3034.000	43.65	-1.30	42.35	54.00	-11.65	AVG
4573.000	48.15	3.59	51.74	74.00	-22.26	peak
4573.000	39.66	3.59	43.25	54.00	-10.75	AVG
5824.000	44.41	6.01	50.42	74.00	-23.58	peak
6247.000	42.72	6.48	49.20	74.00	-24.80	peak

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



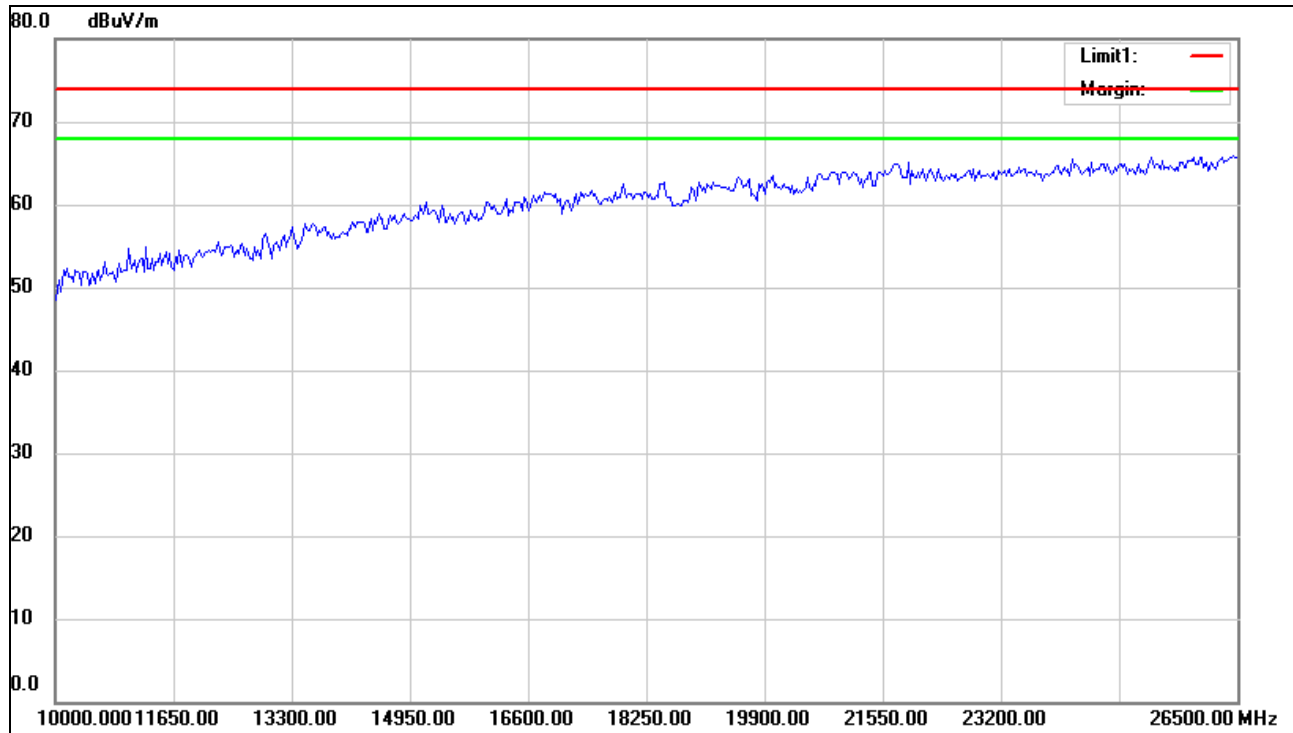
Horizontal

Detect: 10GHz -26.5GHz



Vertical

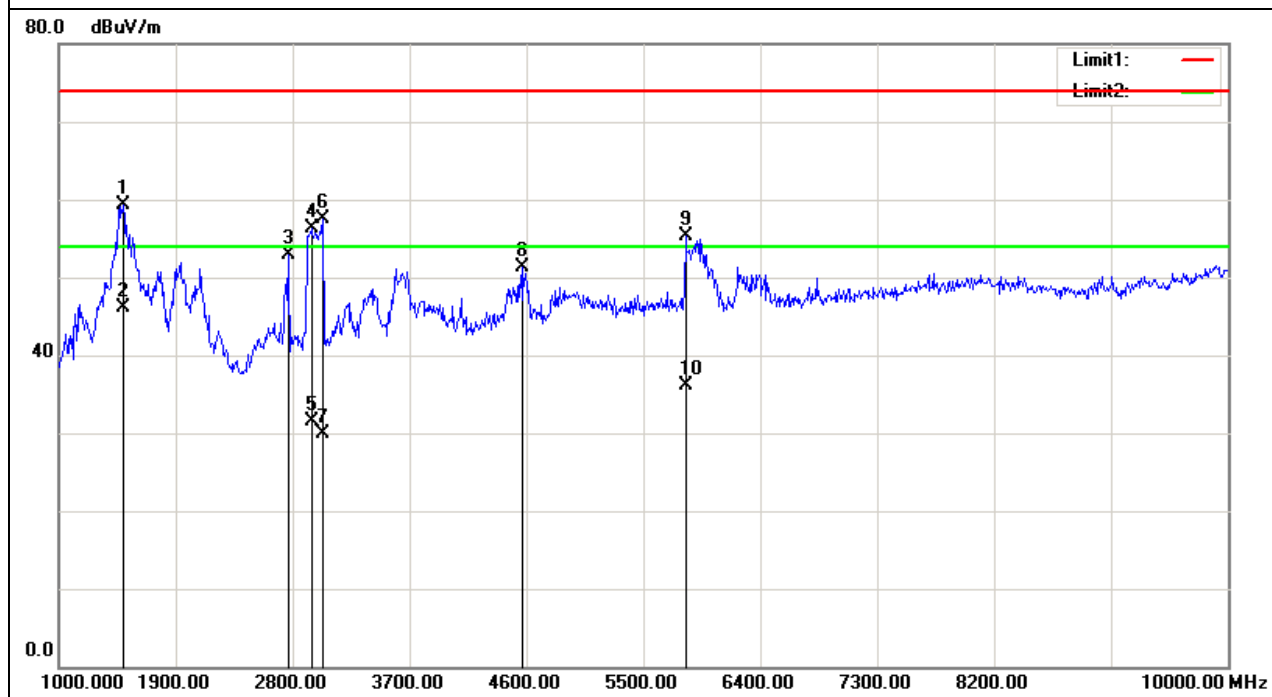
Detect: 10GHz -26.5GHz



EUT :	液晶顯示器	Model Name :	LE55Q6500U
Temperature :	24 °C	Relative Humidity :	54%
Pressure :	1010 hPa	Test Date :	2018-03-26
Test Mode :	TX CH09 (802.11n40 : Rate 13.5Mbps)	Polarization :	Horizontal
Measurement Distance	3 m	Frenqucy Range	1GHz to 25GHz
Test Power :	AC 110/60Hz		

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
1495.000	66.15	-6.89	59.26	74.00	-14.74	peak
1495.000	53.01	-6.89	46.12	54.00	-7.88	AVG
2764.000	54.73	-1.78	52.95	74.00	-21.05	peak
2944.000	57.80	-1.46	56.34	74.00	-17.66	peak
2944.000	32.90	-1.46	31.44	54.00	-22.56	AVG
3034.000	58.87	-1.30	57.57	74.00	-16.43	peak
3034.000	31.15	-1.30	29.85	54.00	-24.15	AVG
4573.000	47.66	3.59	51.25	74.00	-22.75	peak
5824.000	49.31	6.01	55.32	74.00	-18.68	peak
5824.000	30.02	6.01	36.03	54.00	-17.97	AVG

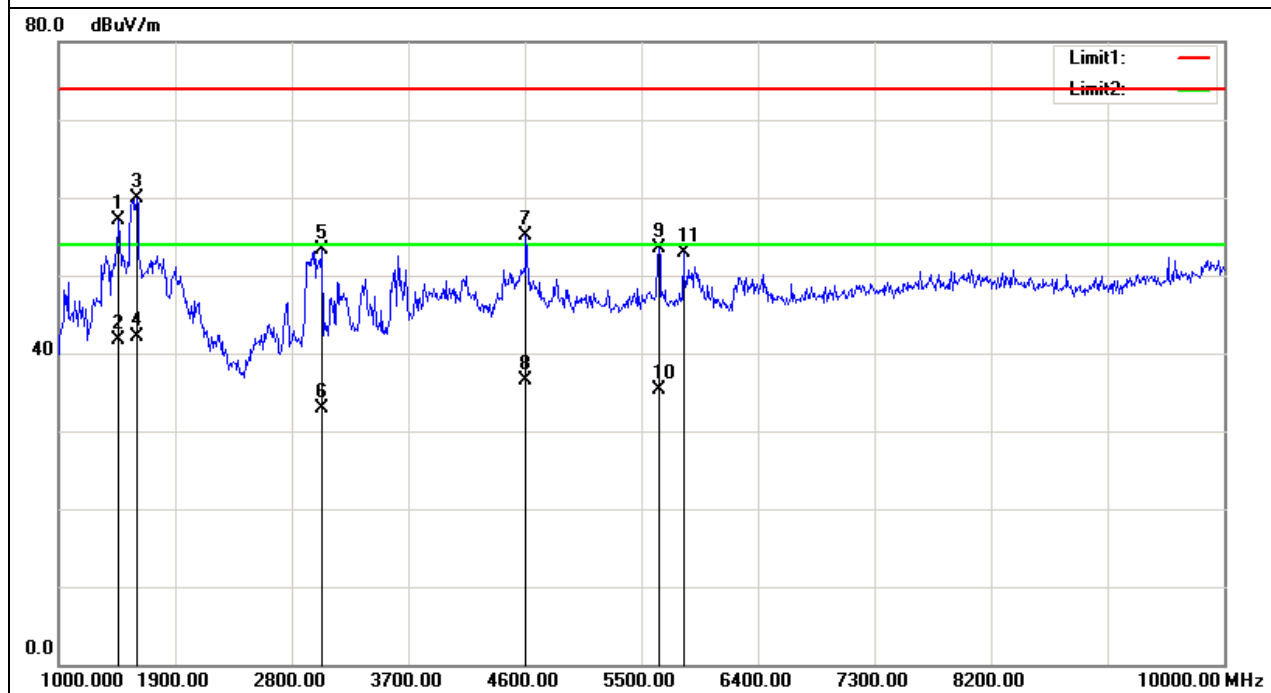
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT :	液晶顯示器	Model Name :	LE55Q6500U
Temperature :	24 °C	Relative Humidity :	54%
Pressure :	1010 hPa	Test Date :	2018-03-26
Test Mode :	TX CH09 (802.11n40 : Rate 13.5Mbps)	Polarization :	Vertical
Measurement Distance	3 m	Frenqucy Range	1GHz to 25GHz
Test Power :	AC 110/60Hz		

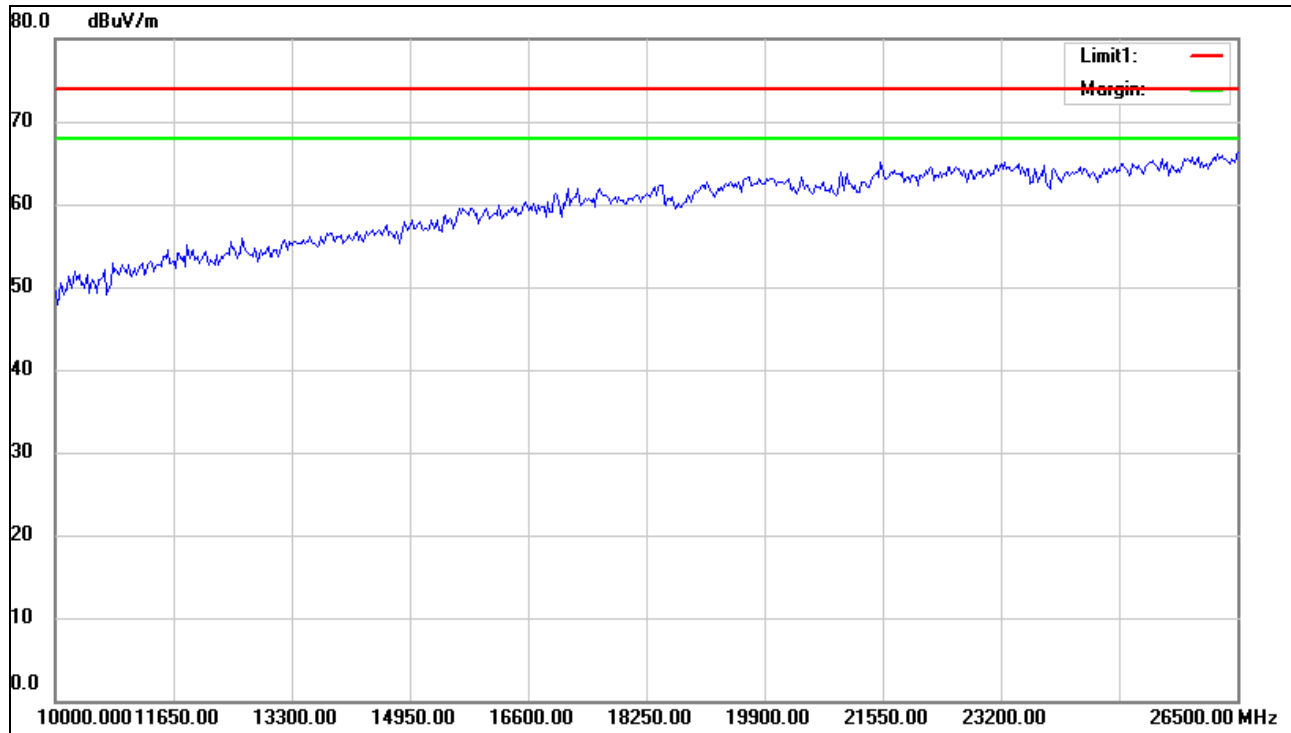
Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
1459.000	64.04	-6.95	57.09	74.00	-16.91	peak
1459.000	48.68	-6.95	41.73	54.00	-12.27	AVG
1603.000	66.58	-6.69	59.89	74.00	-14.11	peak
1603.000	48.73	-6.69	42.04	54.00	-11.96	AVG
3034.000	54.59	-1.30	53.29	74.00	-20.71	peak
3034.000	34.18	-1.30	32.88	54.00	-21.12	AVG
4609.000	51.34	3.71	55.05	74.00	-18.95	peak
4609.000	32.72	3.71	36.43	54.00	-17.57	AVG
5635.000	47.56	5.93	53.49	74.00	-20.51	peak
5635.000	29.28	5.93	35.21	54.00	-18.79	AVG
5824.000	46.81	6.01	52.82	74.00	-21.18	peak

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



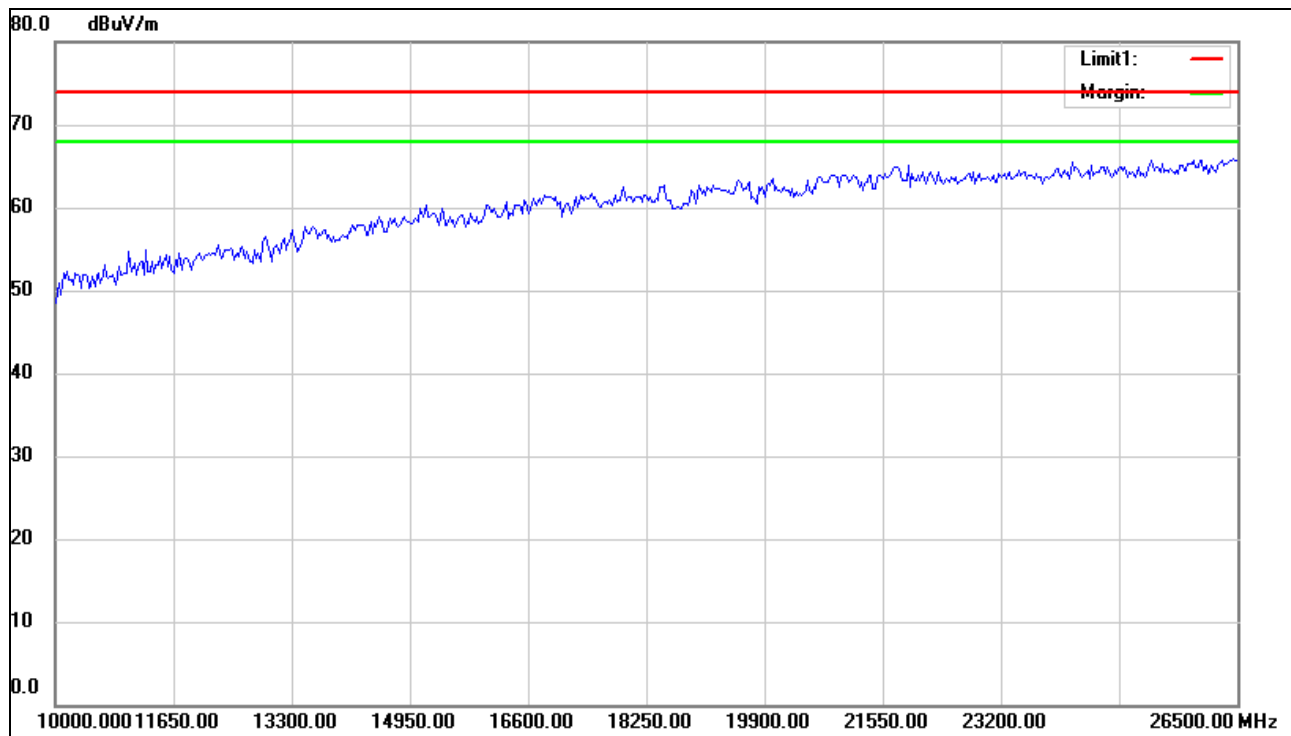
Horizontal

Detect: 10GHz -26.5GHz



Vertical

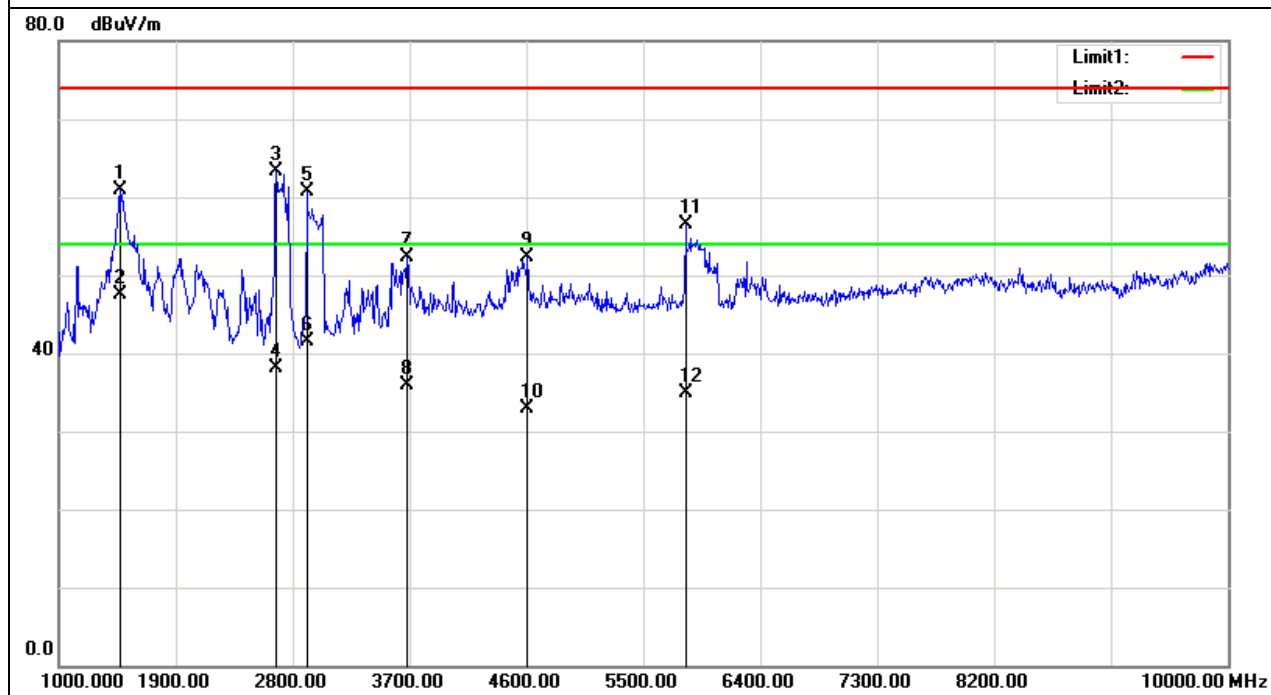
Detect: 10GHz -26.5GHz



EUT :	液晶顯示器	Model Name :	LE55Q6500U
Temperature :	24 °C	Relative Humidity :	54%
Pressure :	1010 hPa	Test Date :	2018-03-26
Test Mode :	RX	Polarization :	Horizontal
Measurement Distance	3 m	Frenqucy Range	1GHz to 25GHz
Test Power :	AC 110/60Hz		

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
1468.000	67.85	-6.94	60.91	74.00	-13.09	peak
1468.000	54.54	-6.94	47.60	54.00	-6.40	AVG
2674.000	65.32	-1.95	63.37	74.00	-10.63	peak
2674.000	40.05	-1.95	38.10	54.00	-15.90	AVG
2908.000	62.32	-1.53	60.79	74.00	-13.21	peak
2908.000	43.10	-1.53	41.57	54.00	-12.43	AVG
3682.000	52.00	0.25	52.25	74.00	-21.75	peak
3682.000	35.74	0.25	35.99	54.00	-18.01	AVG
4609.000	48.54	3.71	52.25	74.00	-21.75	peak
4609.000	29.19	3.71	32.90	54.00	-21.10	AVG
5824.000	50.50	6.01	56.51	74.00	-17.49	peak
5824.000	28.81	6.01	34.82	54.00	-19.18	AVG

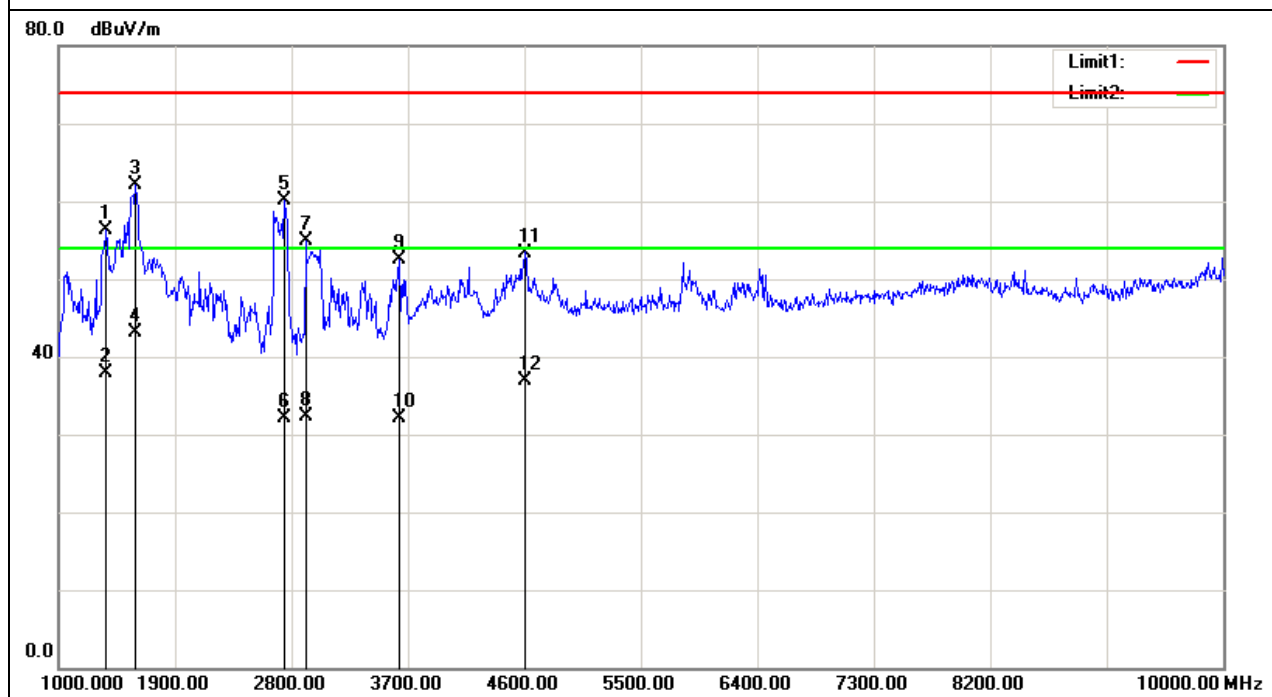
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT :	液晶顯示器	Model Name :	LE55Q6500U
Temperature :	24 °C	Relative Humidity :	54%
Pressure :	1010 hPa	Test Date :	2018-03-26
Test Mode :	RX	Polarization :	Vertical
Measurement Distance	3 m	Frenqucy Range	1GHz to 25GHz
Test Power :	AC 110/60Hz		

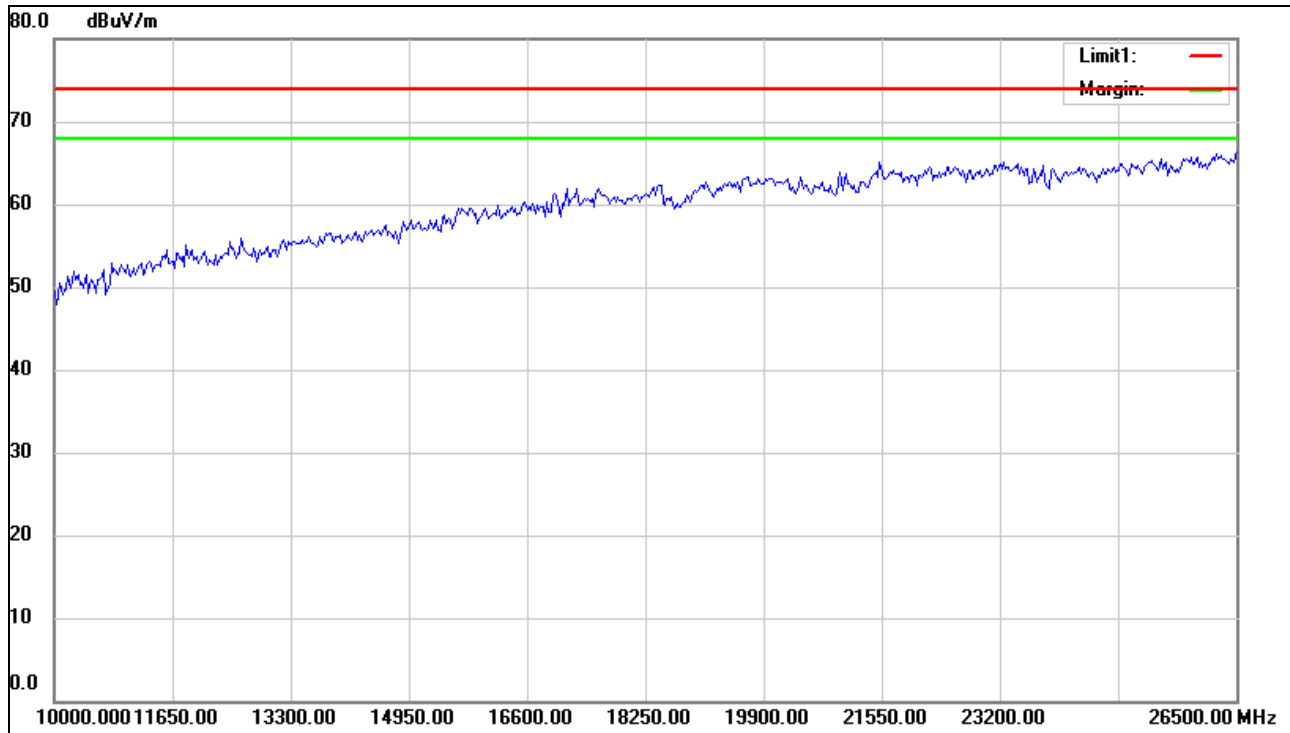
Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
1369.000	63.38	-7.17	56.21	74.00	-17.79	peak
1369.000	45.01	-7.17	37.84	54.00	-16.16	AVG
1594.000	68.75	-6.71	62.04	74.00	-11.96	peak
1594.000	49.78	-6.71	43.07	54.00	-10.93	AVG
2746.000	61.97	-1.82	60.15	74.00	-13.85	peak
2746.000	34.02	-1.82	32.20	54.00	-21.80	AVG
2908.000	56.48	-1.53	54.95	74.00	-19.05	peak
2908.000	33.93	-1.53	32.40	54.00	-21.60	AVG
3637.000	52.39	0.06	52.45	74.00	-21.55	peak
3637.000	32.03	0.06	32.09	54.00	-21.91	AVG
4609.000	49.69	3.71	53.40	74.00	-20.60	peak
4609.000	33.19	3.71	36.90	54.00	-17.10	AVG

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



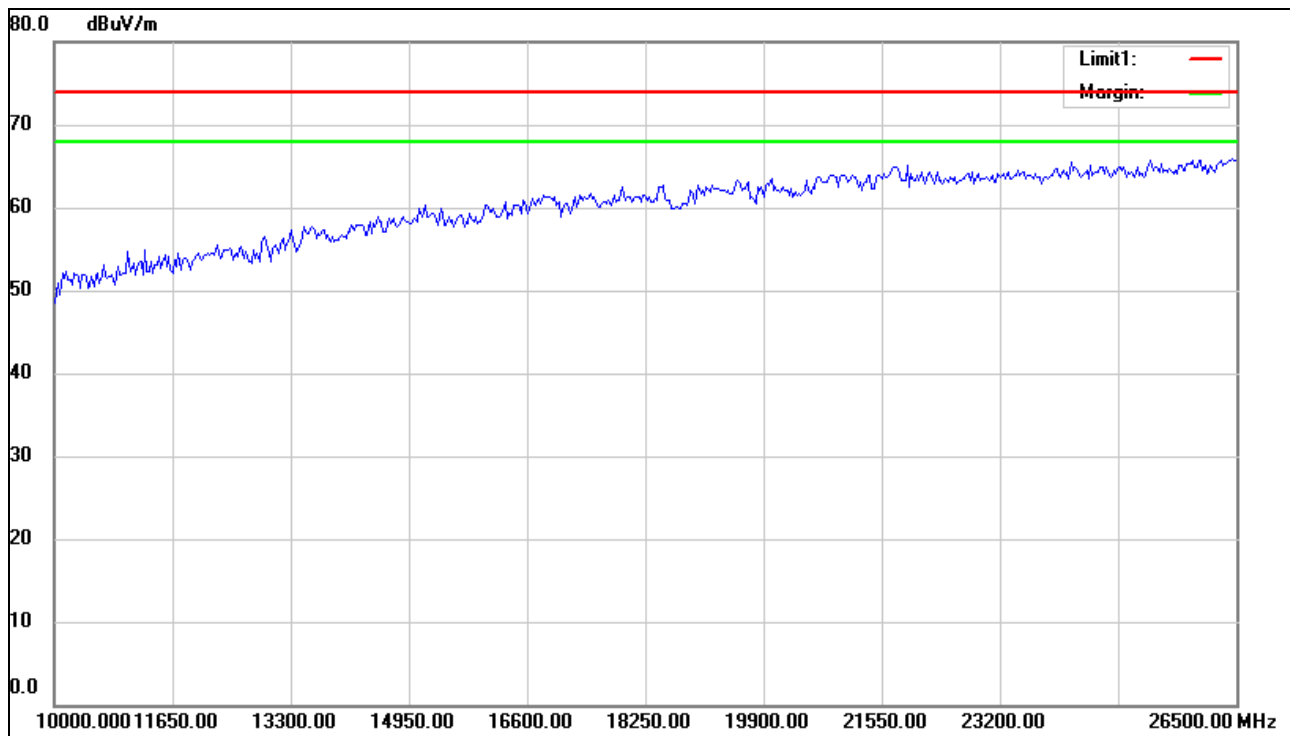
Horizontal

Detect: 10GHz -26.5GHz



Vertical

Detect: 10GHz -26.5GHz



Remark:

No any other emissions level which are attenuated less than 20dB below the limit. No recording in the test report.

3.2.7 TEST RESULTS (RESTRICTED BANDS REQUIREMENTS)

EUT :	液晶顯示器	Model Name :	LE55Q6500U
Temperature :	24 °C	Relative Humidity :	51%
Pressure :	1010 hPa	Test Voltage :	AC 110/60Hz
Test Mode :	802.11b Data rate 1Mbps		
Note :	1. The transmitter was setup to transmit at the lowest channel (CH01). Then the field strength was measured at 2310-2390 MHz. 2. The transmitter was setup to transmit at the highest channel (CH11). Then the field strength was measured at 2483.5-2500 MHz. 3. The data of 2390MHz and 2483.5MHz was the worst.		

Freq. (MHz) (Peak)	Freq. (MHz) (AV)	Ant.Pol. H/V	Reading		Ant/CF		Act		Limit		Note
			Peak (dBuv)	AV (dBuv)	Peak (dB)	AV (dB)	Peak (dBuv/m)	AV (dBuv/m)	Peak (dBuv/m)	AV (dBuv/m)	
2390.000	2390.000	V	45.60	34.23	-2.86	-2.86	42.74	31.37	74.00	54.00	CH01
2412.000	2411.160	V	96.67	92.78	-2.74	-2.75	---	---	---	---	CH01
2390.000	2390.000	H	47.43	35.44	-2.86	-2.86	44.57	32.58	74.00	54.00	CH01
2412.000	2411.160	H	98.08	94.47	-2.74	-2.75	---	---	---	---	CH01
2461.950	2461.200	V	96.39	92.69	-2.47	-2.47	---	---	---	---	CH11
2483.500	2483.500	V	47.09	34.65	-2.35	-2.35	44.74	32.30	74.00	54.00	CH11
2462.050	2461.200	H	98.28	94.55	-2.47	-2.47	---	---	---	---	CH11
2483.500	2483.500	H	47.50	36.03	-2.35	-2.35	45.15	33.68	74.00	54.00	CH11

Remark :

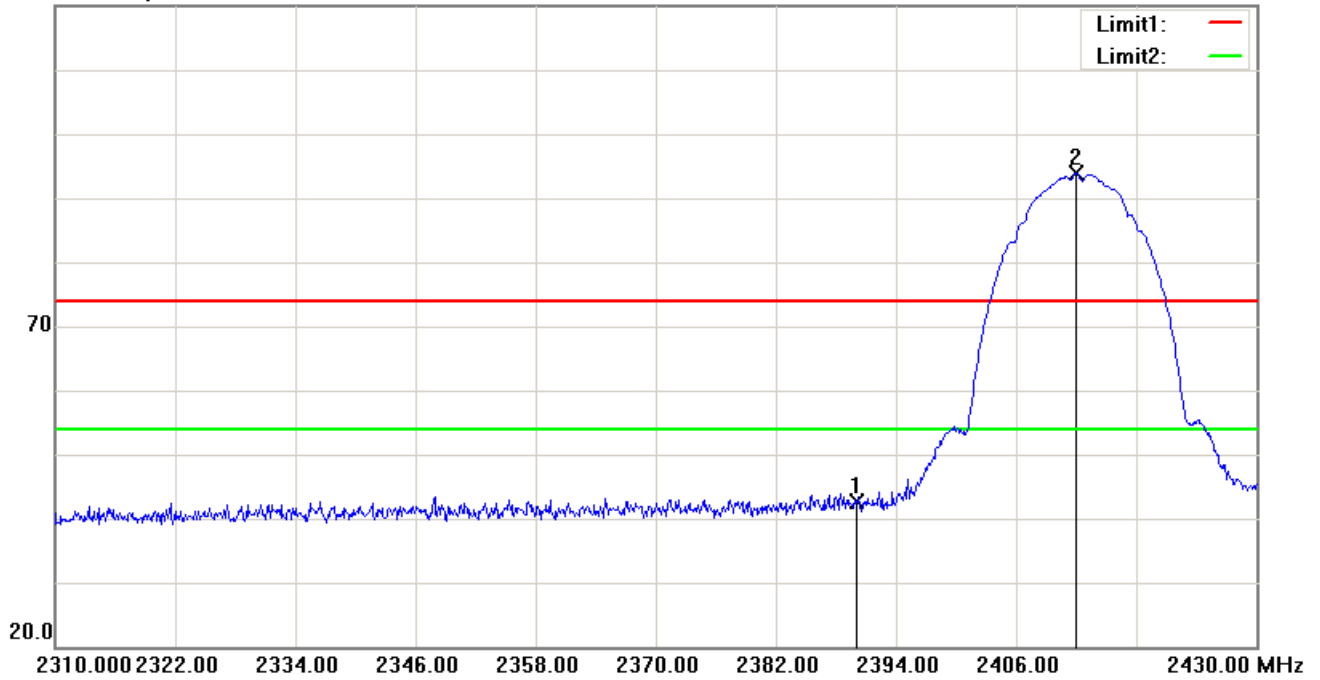
- (1) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode
- (2) EUT Orthogonal Axis :
 "X" - denotes Laid on Table ; "Y" - denotes Vertical Stand ; "Z" - denotes Side Stand
- (3) During the measurements above 1 GHz it is taken care of that the EUT is always within the 3 dB cone of radiation BW of the used antenna
- (4) Corr.Factor = Antenna Factor + Cable Loss – Pre-amplifier.

CH-Low (CH01)

Detector mode: Peak

Polarity: Vertical

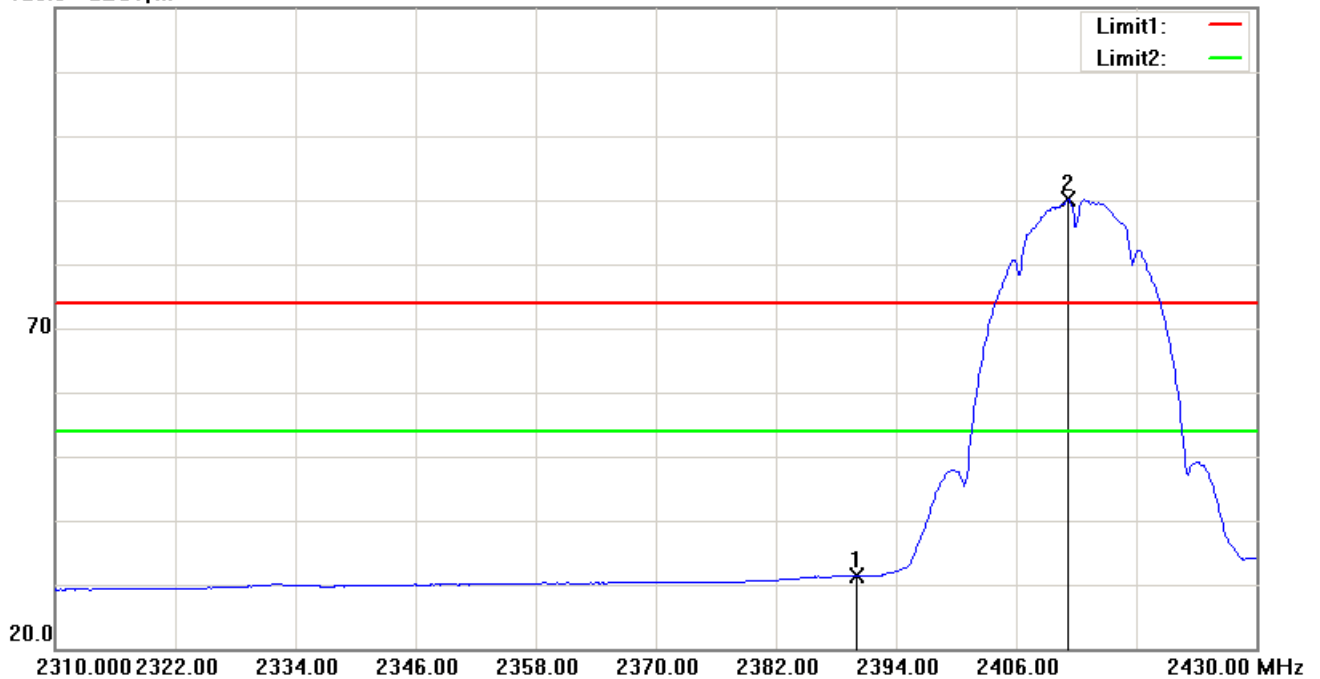
120.0 dBuV/m



Detector mode: Average

Polarity: Vertical

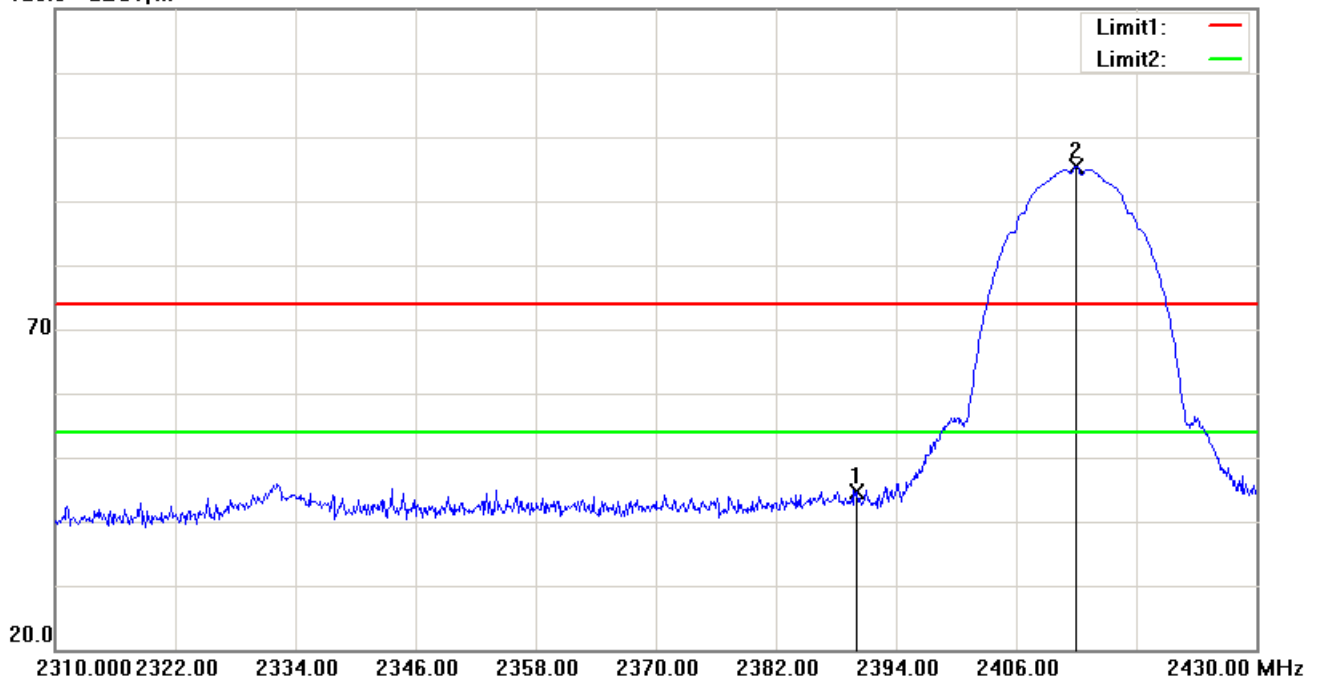
120.0 dBuV/m



CH-Low (CH01)

Detector mode: Peak
120.0 dBuV/m

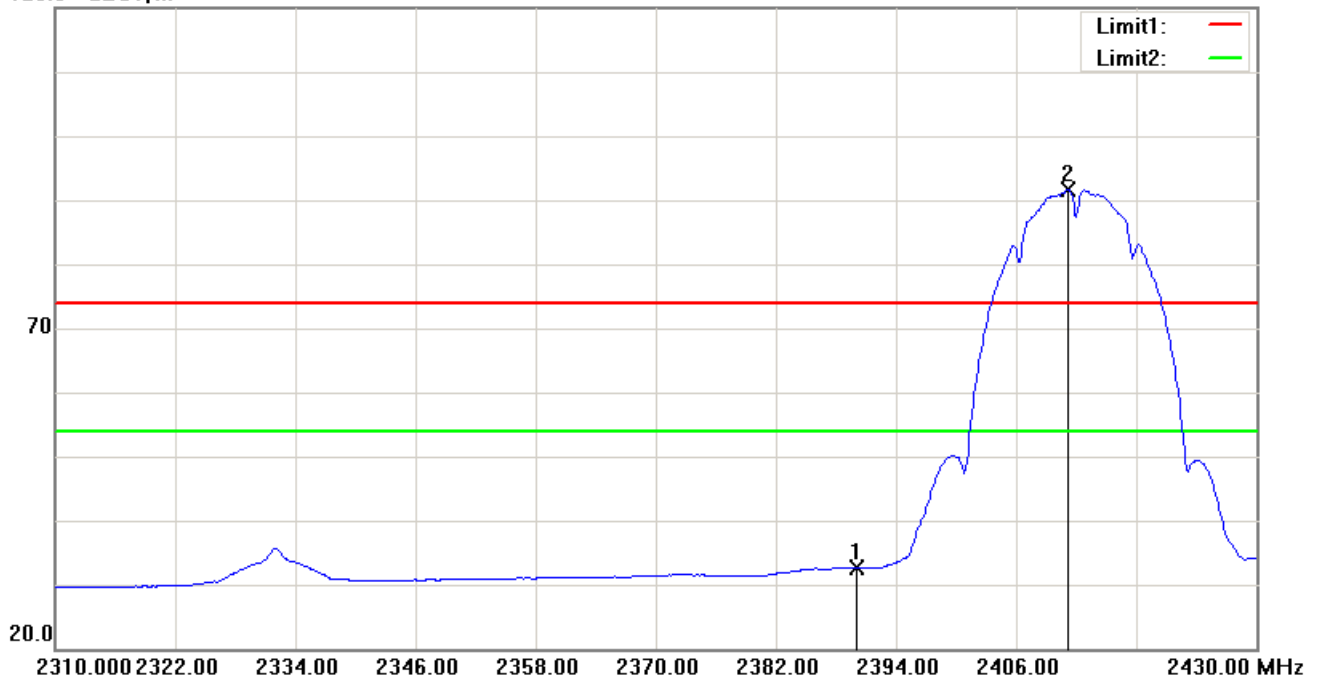
Polarity: Horizontal



Detector mode: Average

120.0 dBuV/m

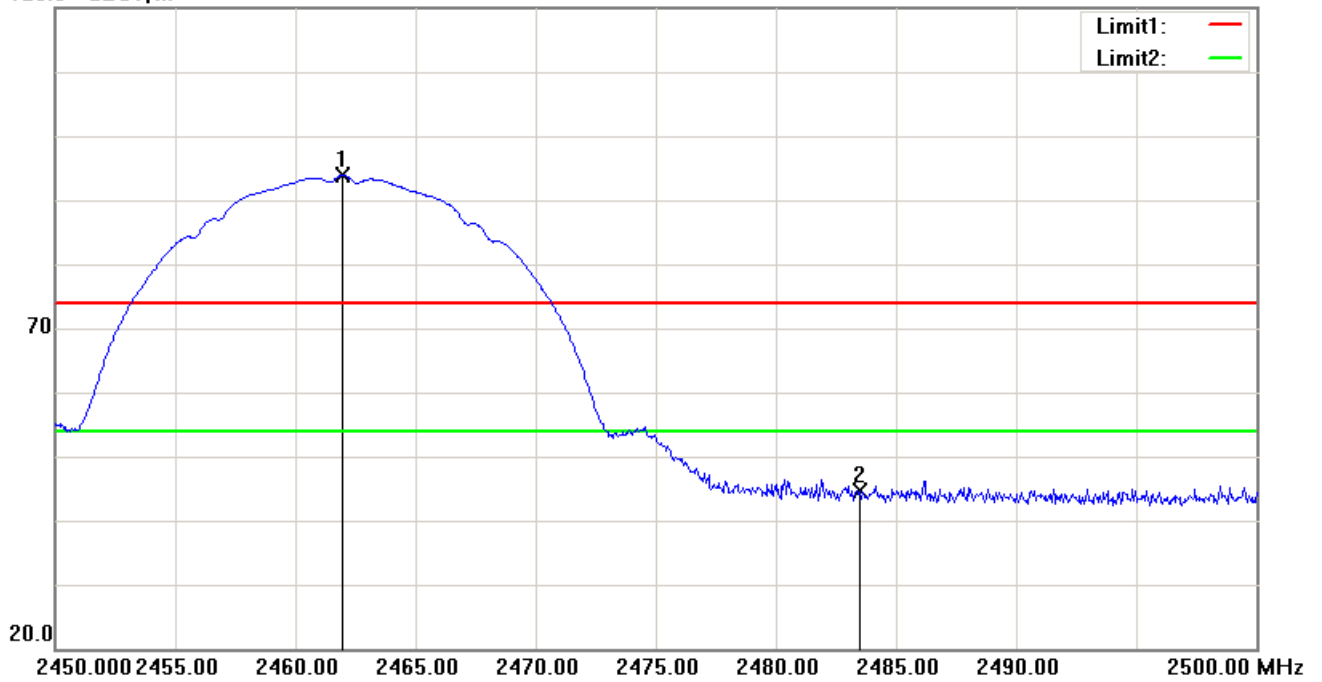
Polarity: Horizontal



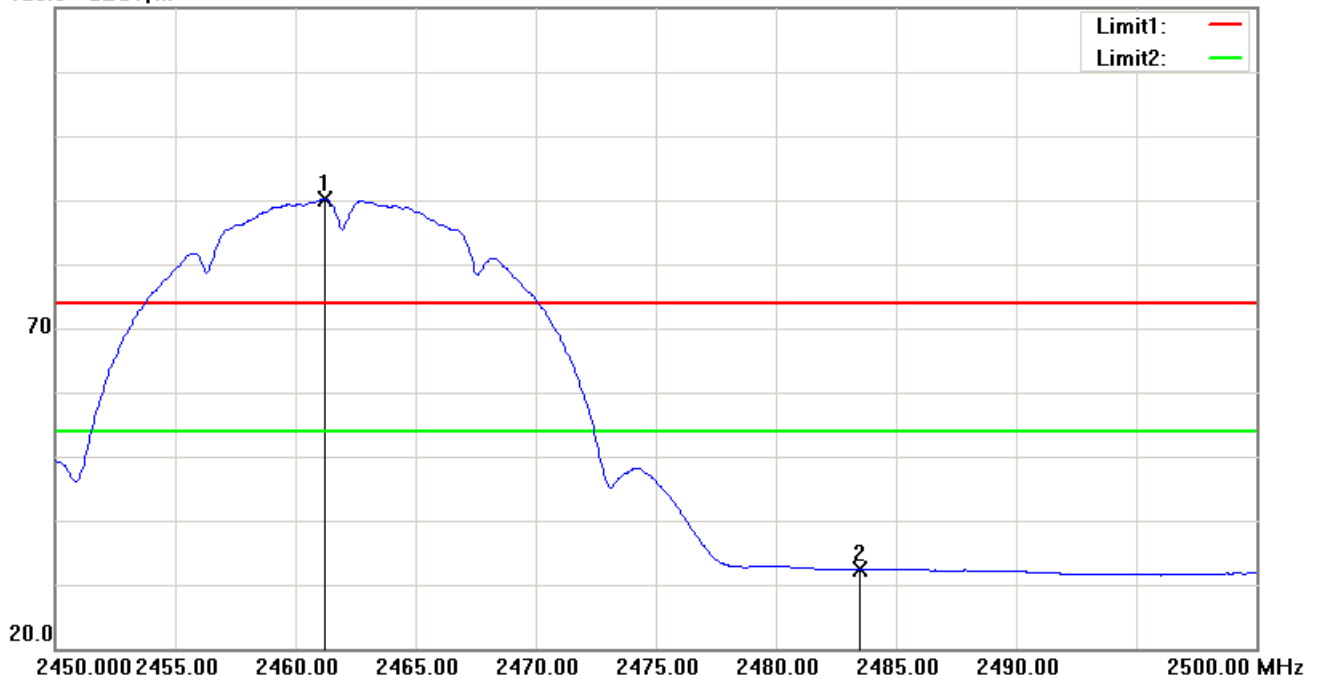
CH-High (CH11)

Detector mode: Peak
120.0 dBuV/m

Polarity: Vertical

Detector mode: Average
120.0 dBuV/m

Polarity: Vertical

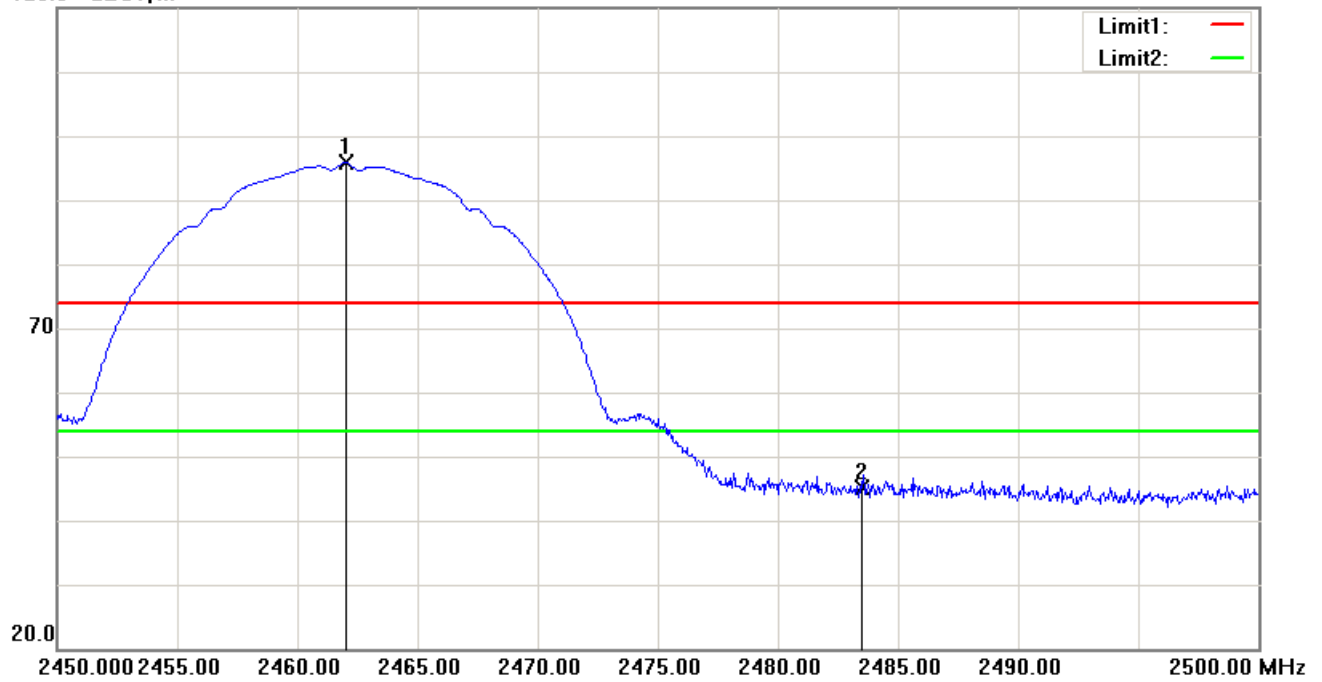


CH-High (CH11)

Detector mode: Peak

Polarity: Horizontal

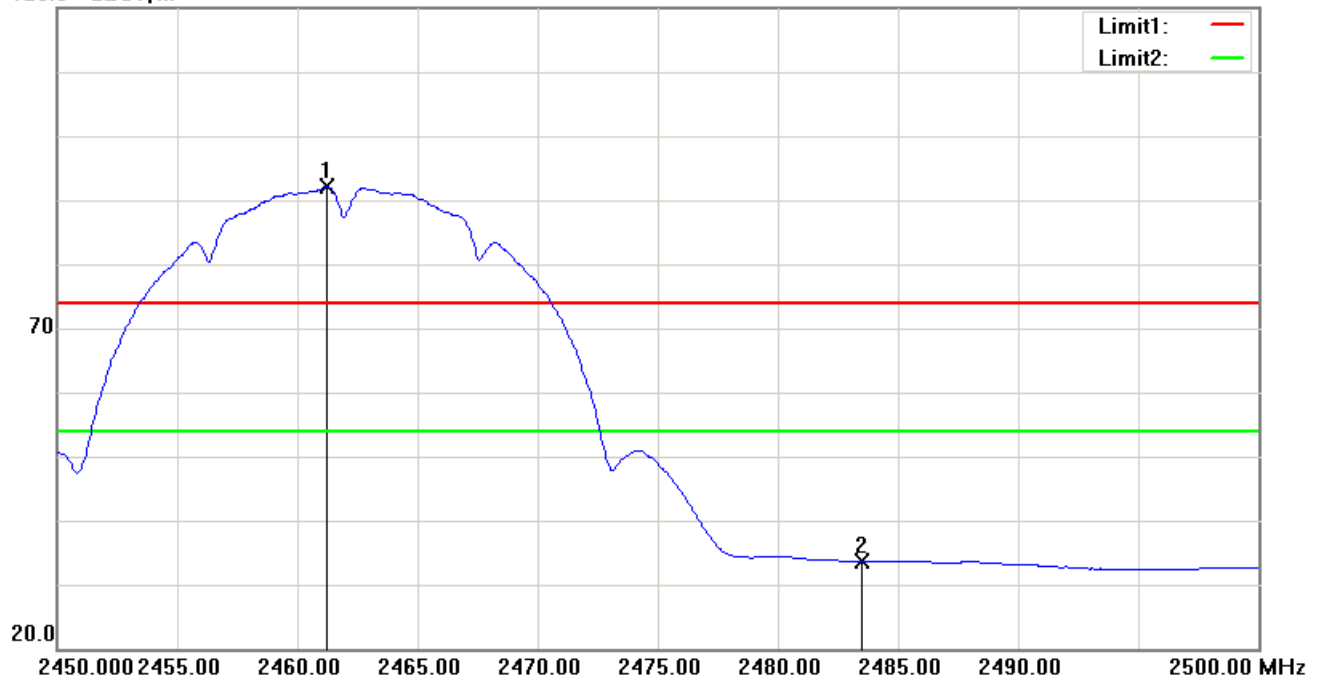
120.0 dBuV/m



Detector mode: Average

Polarity: Horizontal

120.0 dBuV/m



EUT :	液晶顯示器	Model Name :	LE55Q6500U
Temperature :	24 °C	Relative Humidity :	51%
Pressure :	1010 hPa	Test Voltage :	AC 110/60Hz
Test Mode :	802.11g Data rate 6Mbps		
Note :	1. The transmitter was setup to transmit at the lowest channel (CH01). Then the field strength was measured at 2310-2390 MHz. 2. The transmitter was setup to transmit at the highest channel (CH11). Then the field strength was measured at 2483.5-2500 MHz. 3. The data of 2390MHz and 2483.5MHz was the worst.		

Freq. (MHz) (Peak)	Freq. (MHz) (AV)	Ant.Pol. H/V	Reading		Ant/CF		Act		Limit		Note
			Peak (dBuv)	AV (dBuv)	Peak (dB)	AV (dB)	Peak (dBuv/m)	AV (dBuv/m)	Peak (dBuv/m)	AV (dBuv/m)	
2390.000	2390.000	V	58.26	44.53	-2.86	-2.86	55.40	41.67	74.00	54.00	CH01
2418.240	2417.280	V	106.43	96.57	-2.71	-2.71	---	---	---	---	CH01
2390.000	2390.000	H	58.81	46.13	-2.86	-2.86	55.95	43.27	74.00	54.00	CH01
2408.640	2409.600	H	107.23	97.50	-2.76	-2.76	---	---	---	---	CH01
2458.350	2459.550	V	94.78	84.98	-2.49	-2.48	---	---	---	---	CH11
2483.500	2483.500	V	45.40	34.39	-2.35	-2.35	43.05	32.04	74.00	54.00	CH11
2458.550	2459.500	H	96.59	86.81	-2.49	-2.48	---	---	---	---	CH11
2483.500	2483.500	H	46.70	35.74	-2.35	-2.35	44.35	33.39	74.00	54.00	CH11

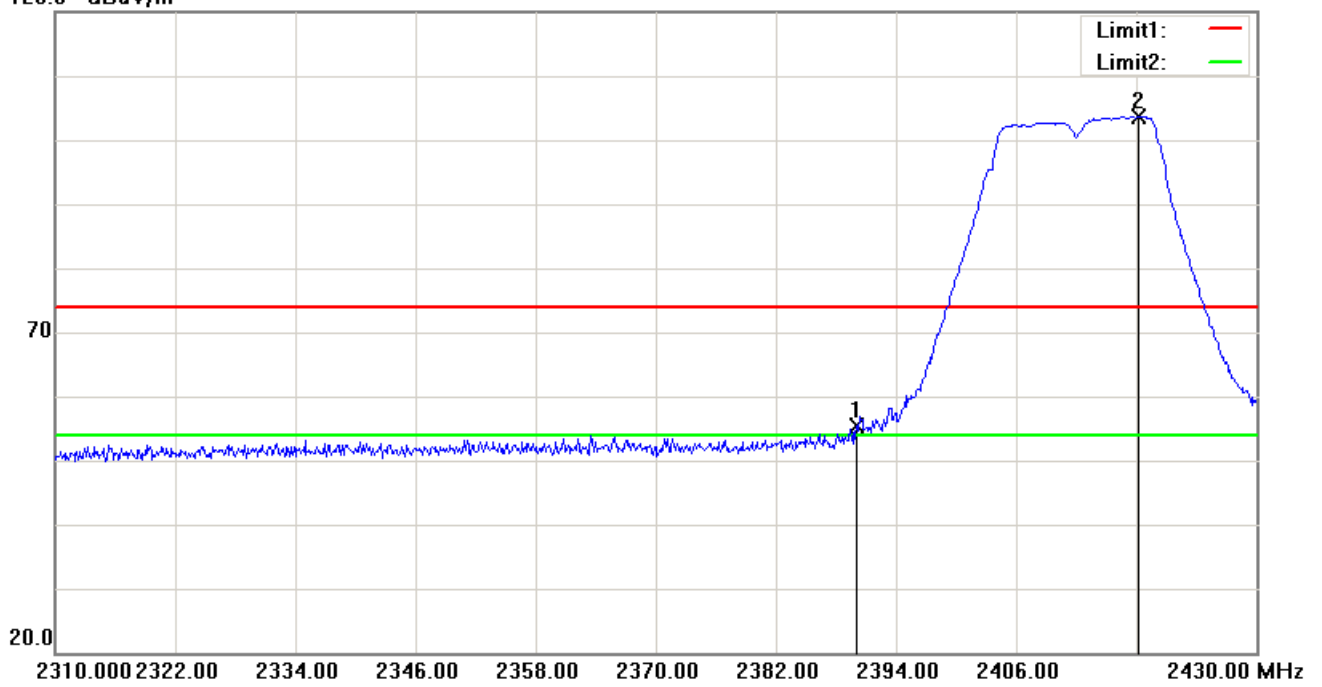
Remark :

- (1) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode
- (2) EUT Orthogonal Axis :
“X” - denotes Laid on Table ; ”Y” - denotes Vertical Stand ; ”Z” - denotes Side Stand
- (3) 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
- (4) Corr.Factor = Antenna Factor + Cable Loss – Pre-amplifier.

CH-Low (CH01)

Detector mode: Peak
120.0 dBuV/m

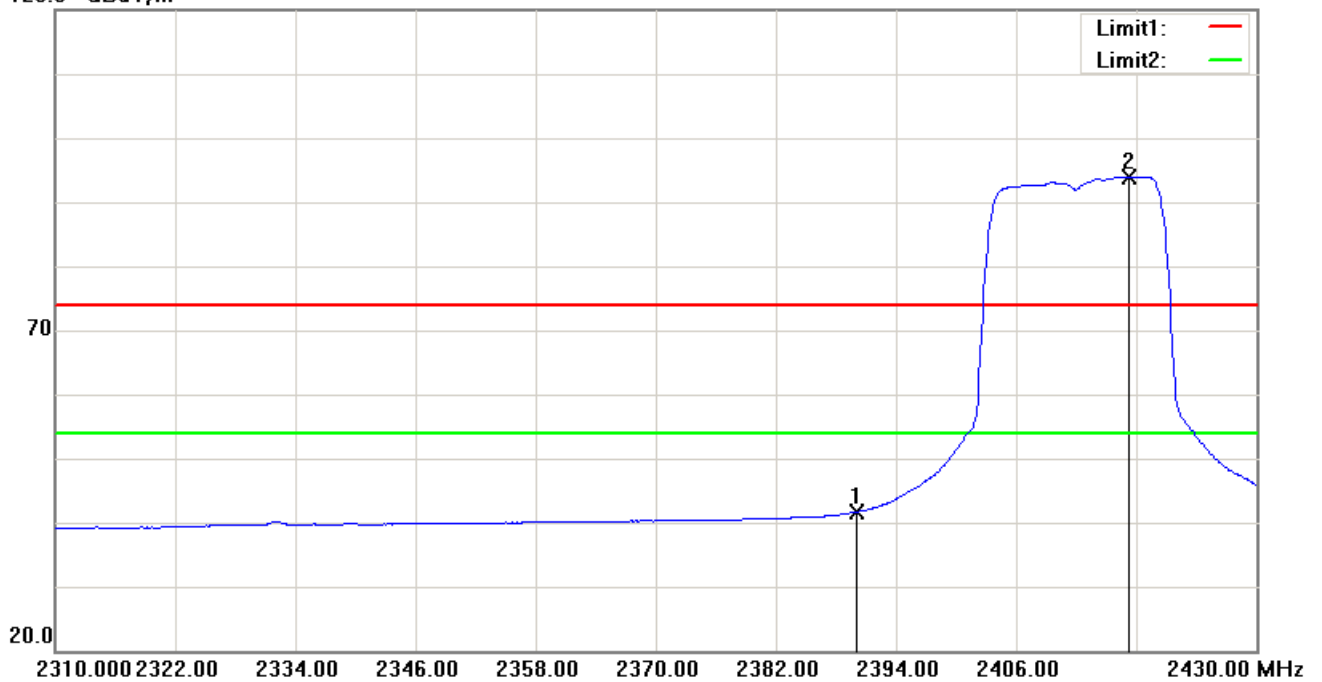
Polarity: Vertical



Detector mode: Average

120.0 dBuV/m

Polarity: Vertical

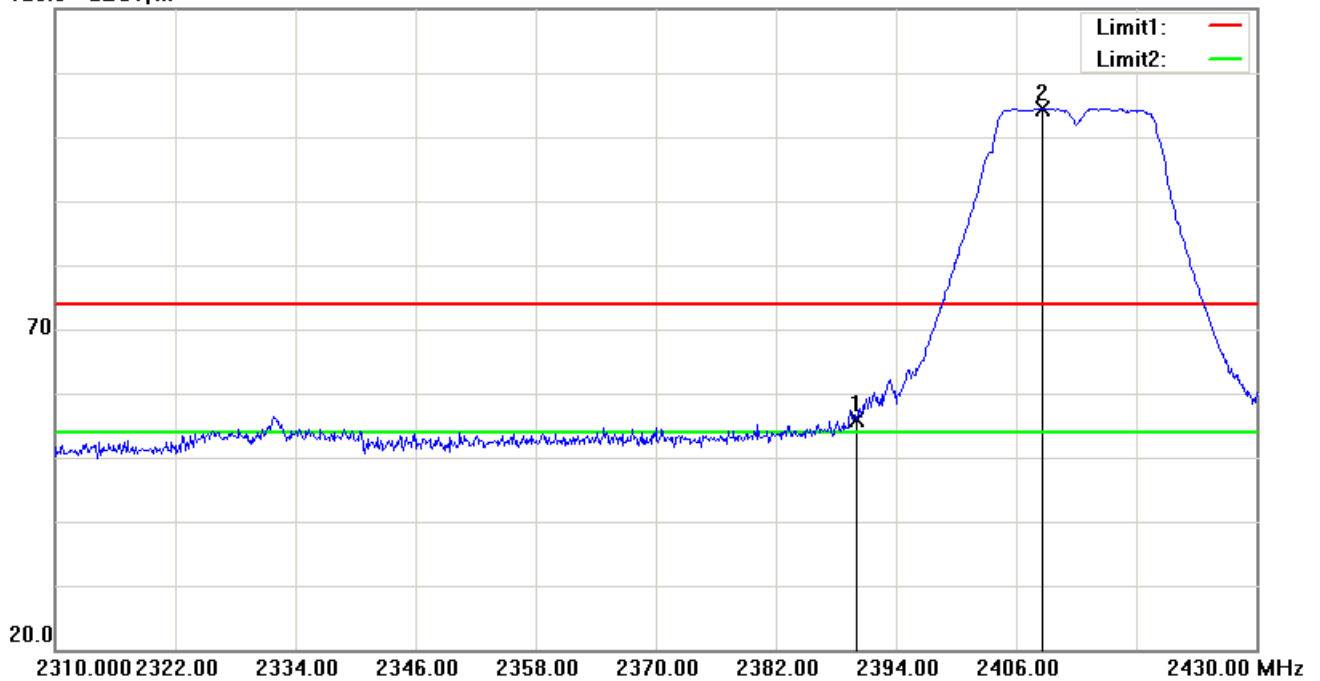


CH-Low (CH01)

Detector mode: Peak

Polarity: Horizontal

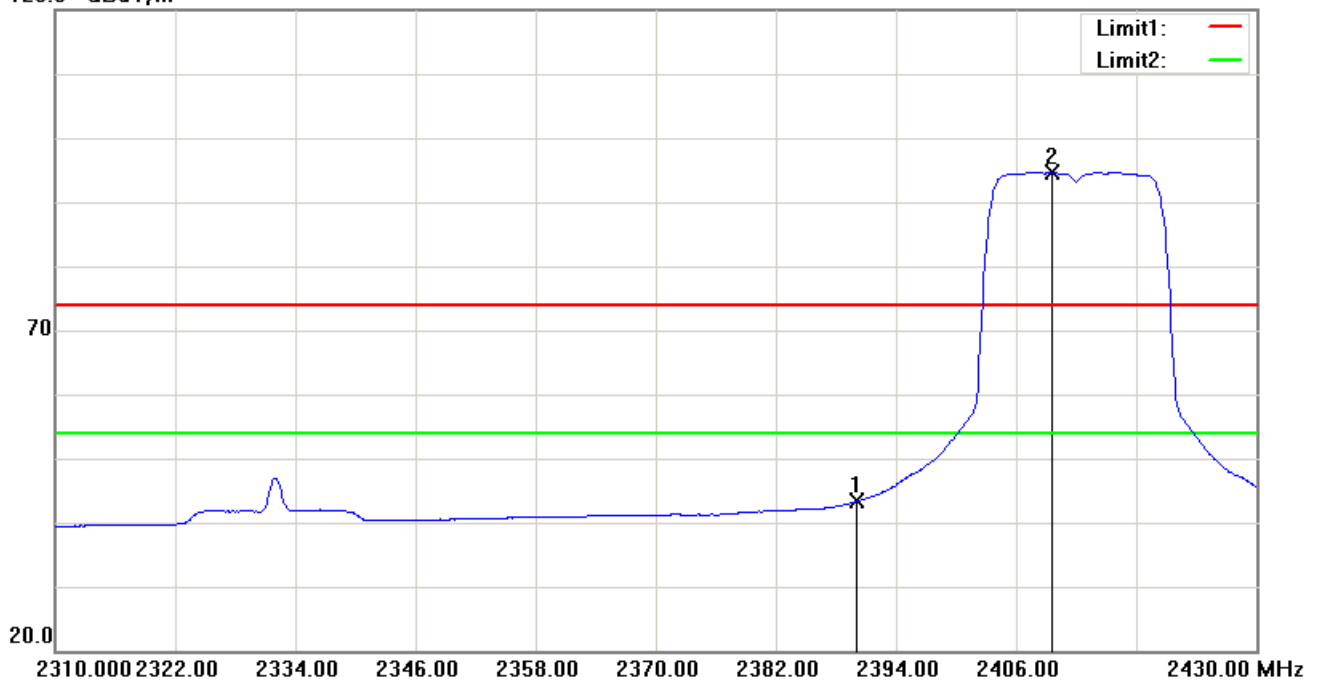
120.0 dBuV/m



Detector mode: Average

Polarity: Horizontal

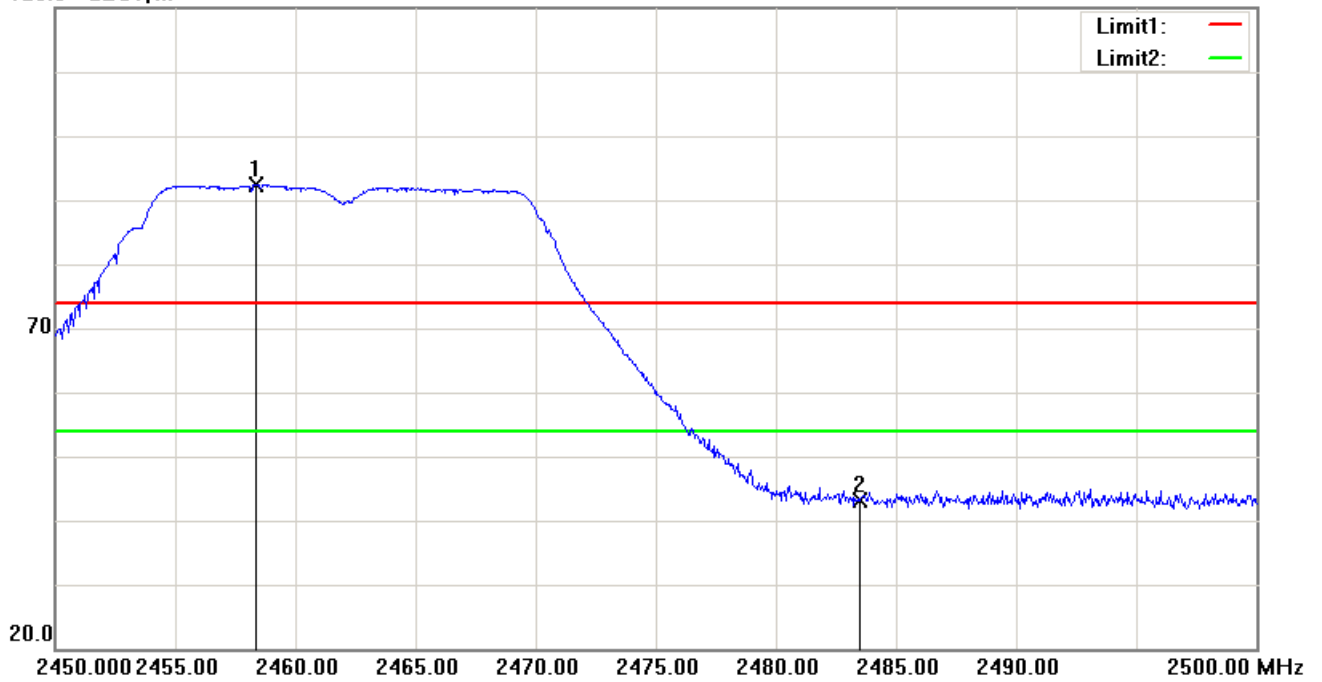
120.0 dBuV/m



CH-High (CH11)

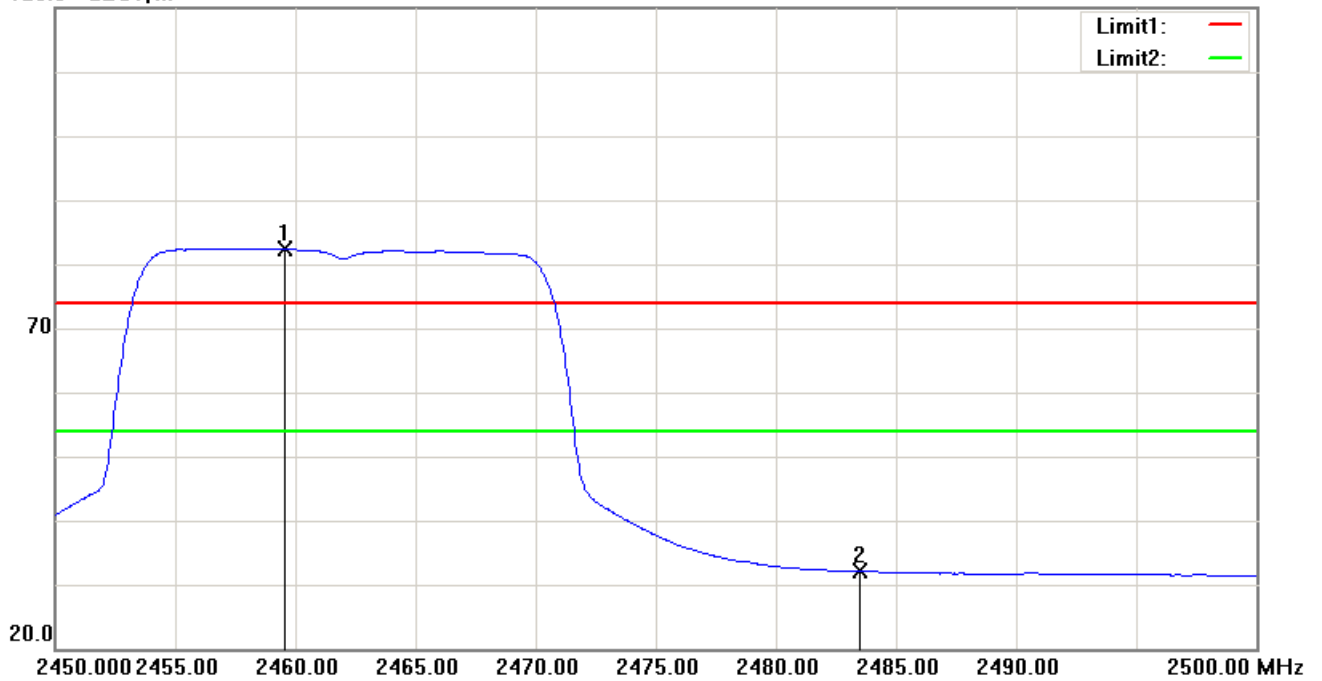
Detector mode: Peak
120.0 dBuV/m

Polarity: Vertical



Detector mode: Average
120.0 dBuV/m

Polarity: Vertical

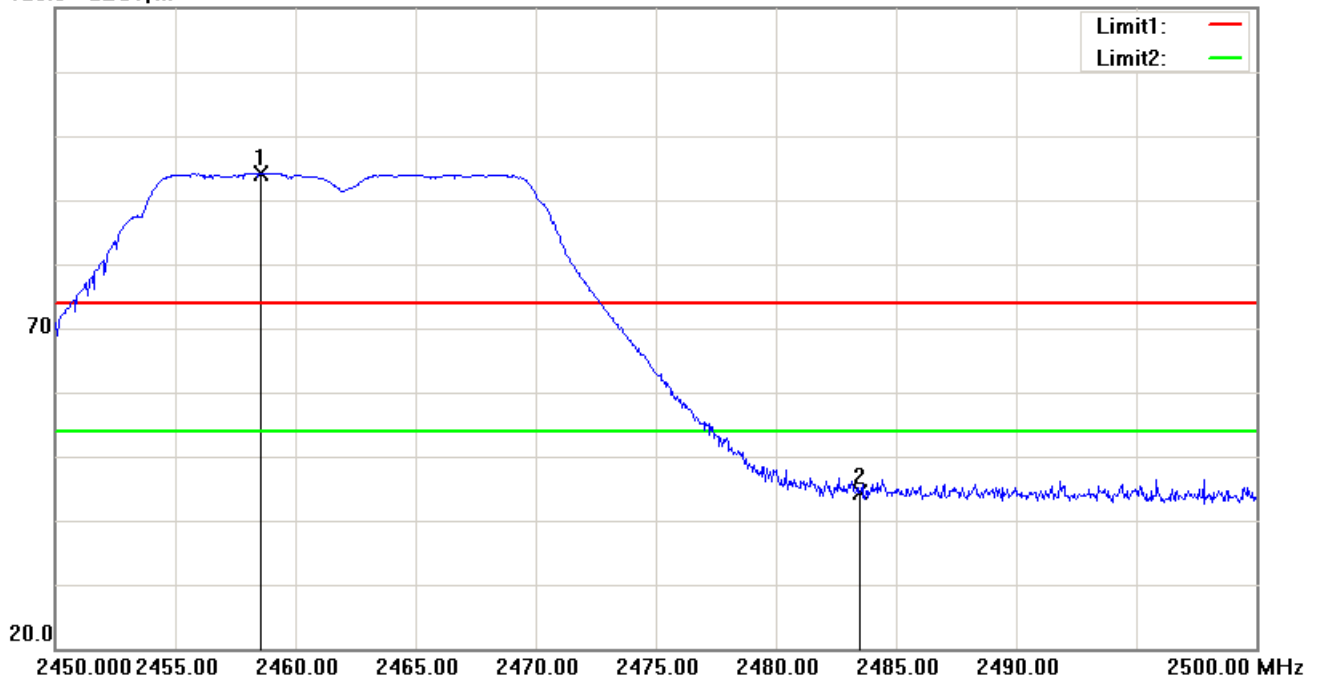


CH-High (CH11)

Detector mode: Peak

Polarity: Horizontal

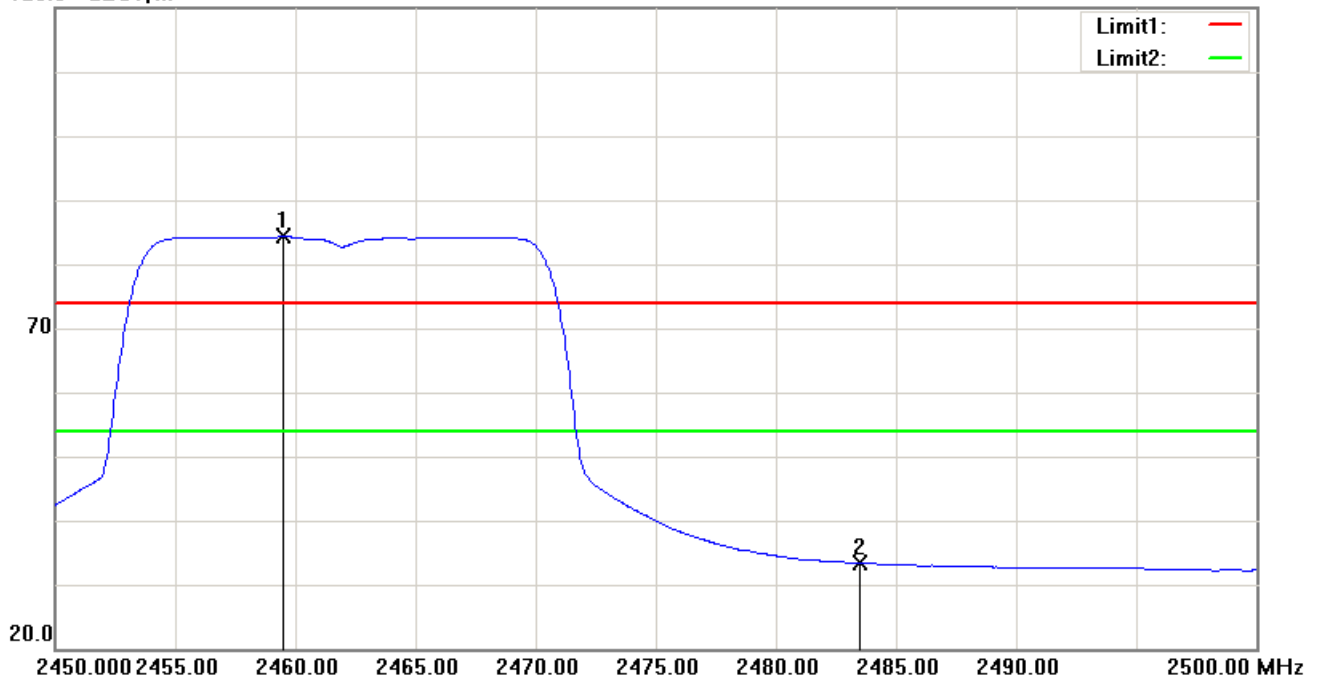
120.0 dBuV/m



Detector mode: Average

Polarity: Horizontal

120.0 dBuV/m



EUT :	液晶顯示器	Model Name :	LE55Q6500U
Temperature :	24 °C	Relative Humidity :	51%
Pressure :	1010 hPa	Test Voltage :	AC 110/60Hz
Test Mode :	802.11n20 Data rate 6.5Mbps		
Note :	1. The transmitter was setup to transmit at the lowest channel (CH01). Then the field strength was measured at 2310-2390 MHz. 2. The transmitter was setup to transmit at the highest channel (CH11). Then the field strength was measured at 2483.5-2500 MHz. 3. The data of 2390MHz and 2483.5MHz was the worst.		

Freq. (MHz) (Peak)	Freq. (MHz) (AV)	Ant.Pol. H/V	Reading		Ant/CF		Act		Limit		Note
			Peak (dBuv)	AV (dBuv)	Peak (dB)	AV (dB)	Peak (dBuv/m)	AV (dBuv/m)	Peak (dBuv/m)	AV (dBuv/m)	
2390.000	2390.000	V	57.62	44.36	-2.86	-2.86	54.76	41.50	74.00	54.00	CH01
2419.320	2417.640	V	105.03	95.07	-2.70	-2.71	---	---	---	---	CH01
2390.000	2390.000	H	61.04	45.62	-2.86	-2.86	58.18	42.76	74.00	54.00	CH01
2418.000	2417.640	H	105.90	96.01	-2.71	-2.71	---	---	---	---	CH01
2459.000	2456.300	V	104.87	94.60	-2.48	-2.50	---	---	---	---	CH11
2483.500	2483.500	V	56.17	44.79	-2.35	-2.35	53.82	42.44	74.00	54.00	CH11
2458.800	2465.050	H	106.91	96.39	-2.49	-2.45	---	---	---	---	CH11
2483.500	2483.500	H	58.30	45.95	-2.35	-2.35	55.95	43.60	74.00	54.00	CH11

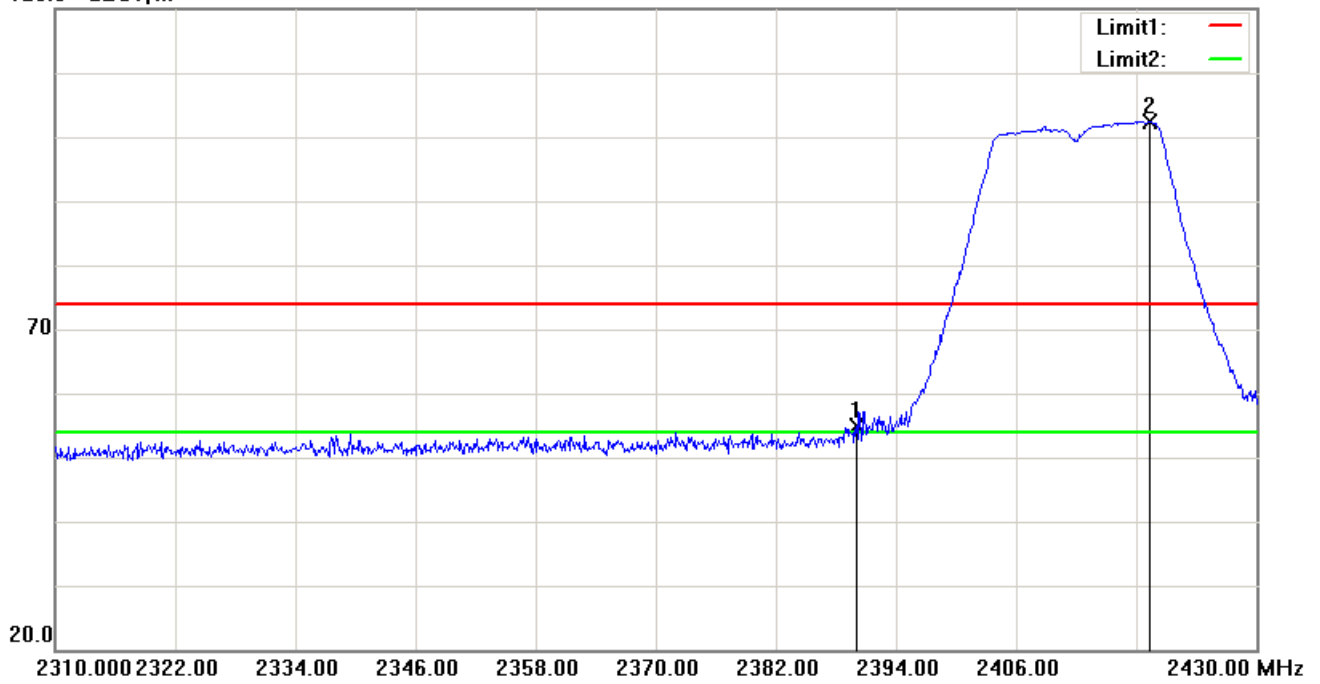
Remark :

- (1) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode
- (2) EUT Orthogonal Axis :
 "X" - denotes Laid on Table ; "Y" - denotes Vertical Stand ; "Z" - denotes Side Stand
- (3) 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
- (4) Corr.Factor = Antenna Factor + Cable Loss – Pre-amplifier.

CH-Low (CH01)

Detector mode: Peak
120.0 dBuV/m

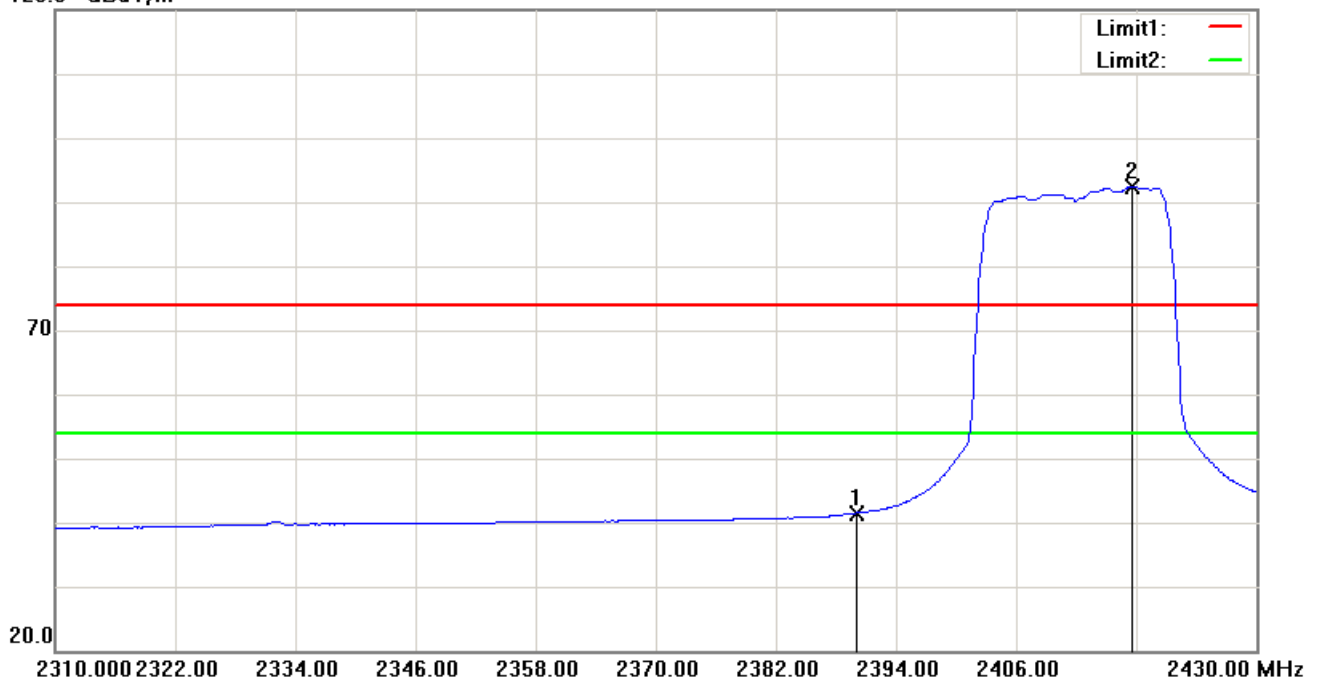
Polarity: Vertical



Detector mode: Average

120.0 dBuV/m

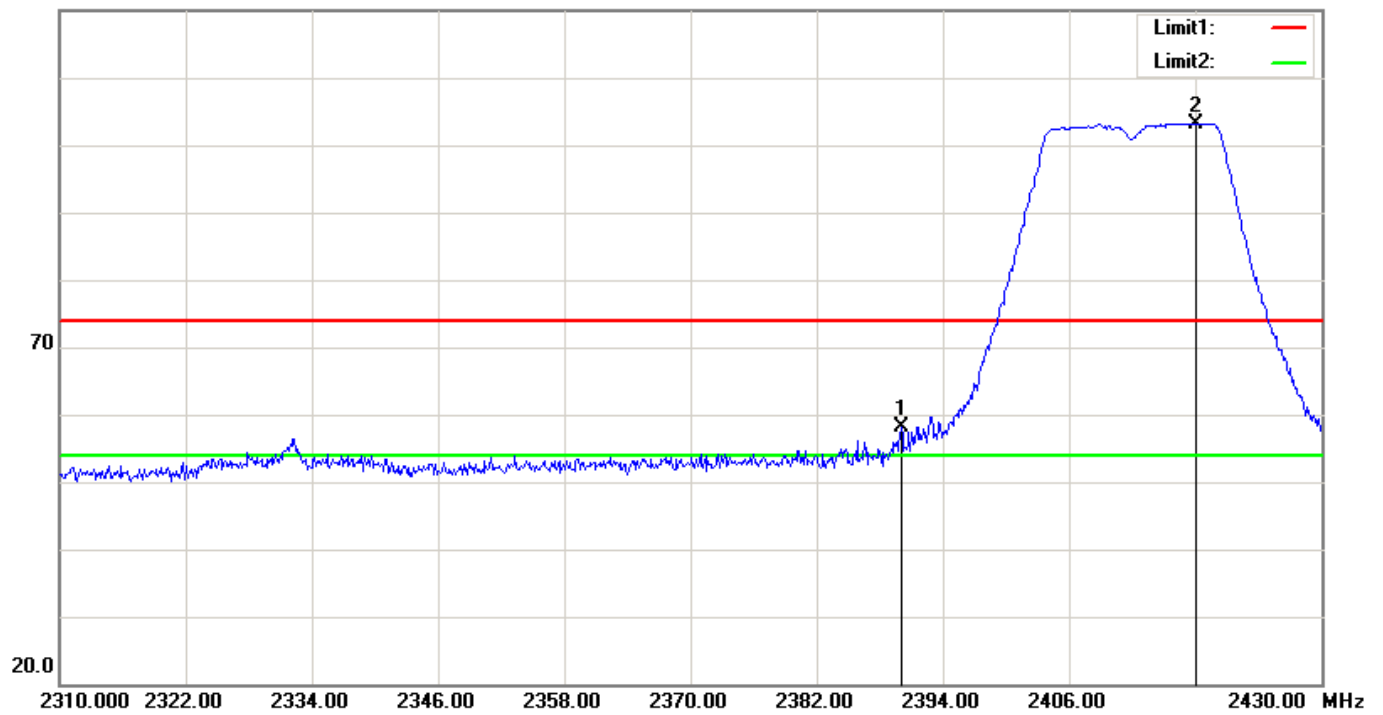
Polarity: Vertical



CH-Low (CH01)

Detector mode: Peak
120.0 dBuV/m

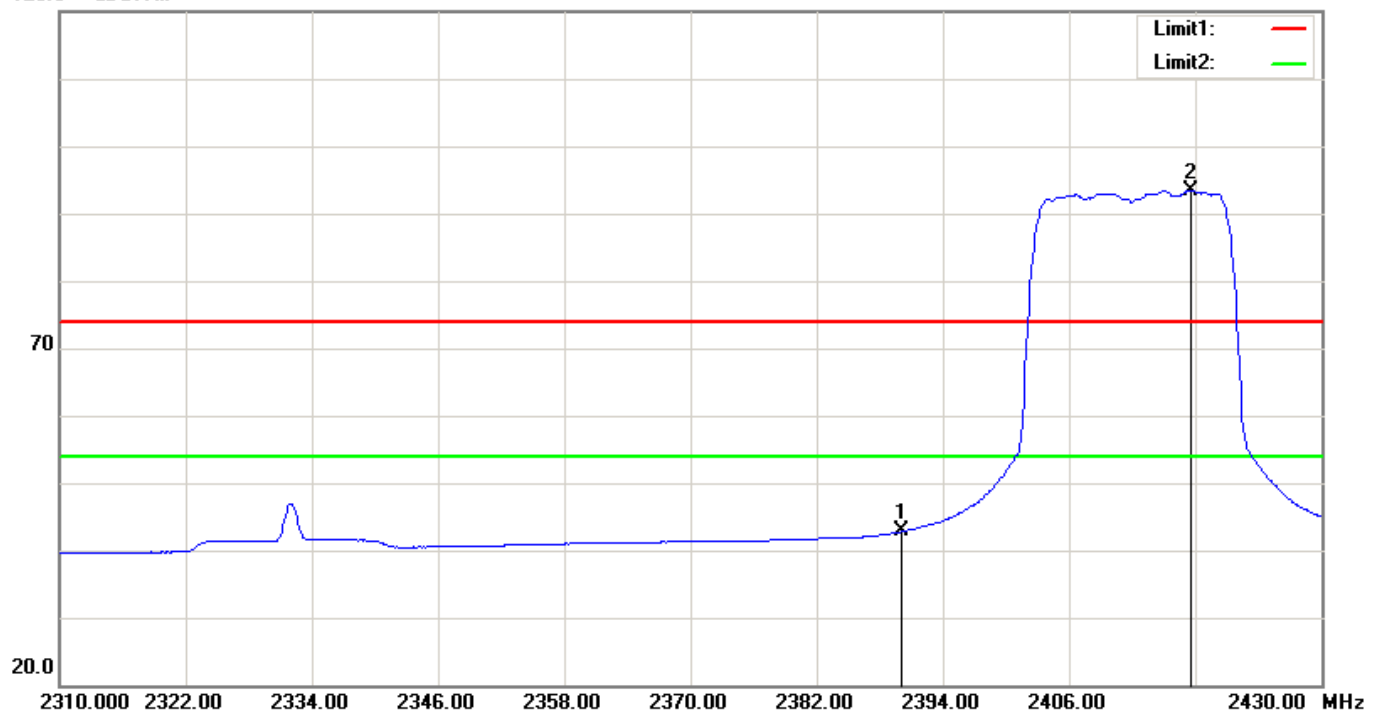
Polarity: Horizontal



Detector mode: Average

120.0 dBuV/m

Polarity: Horizontal

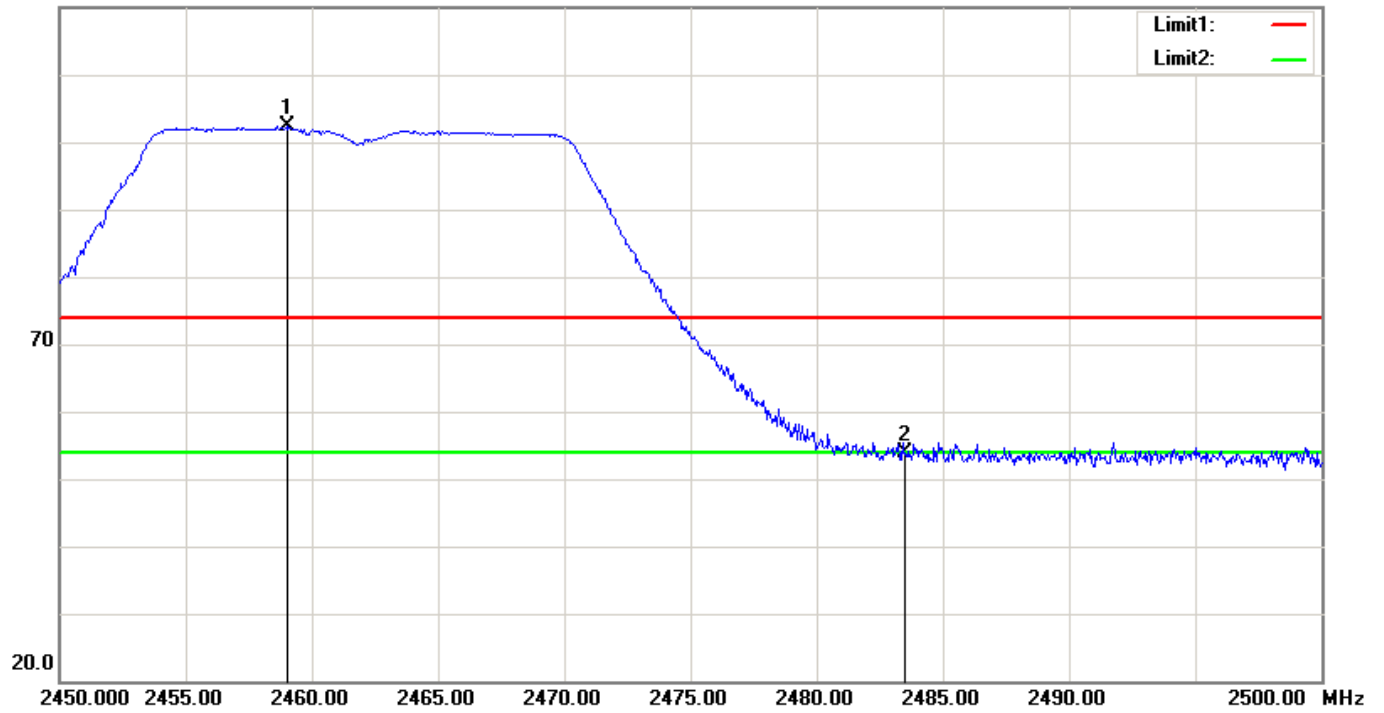


CH-High (CH11)

Detector mode: Peak

120.0 dBuV/m

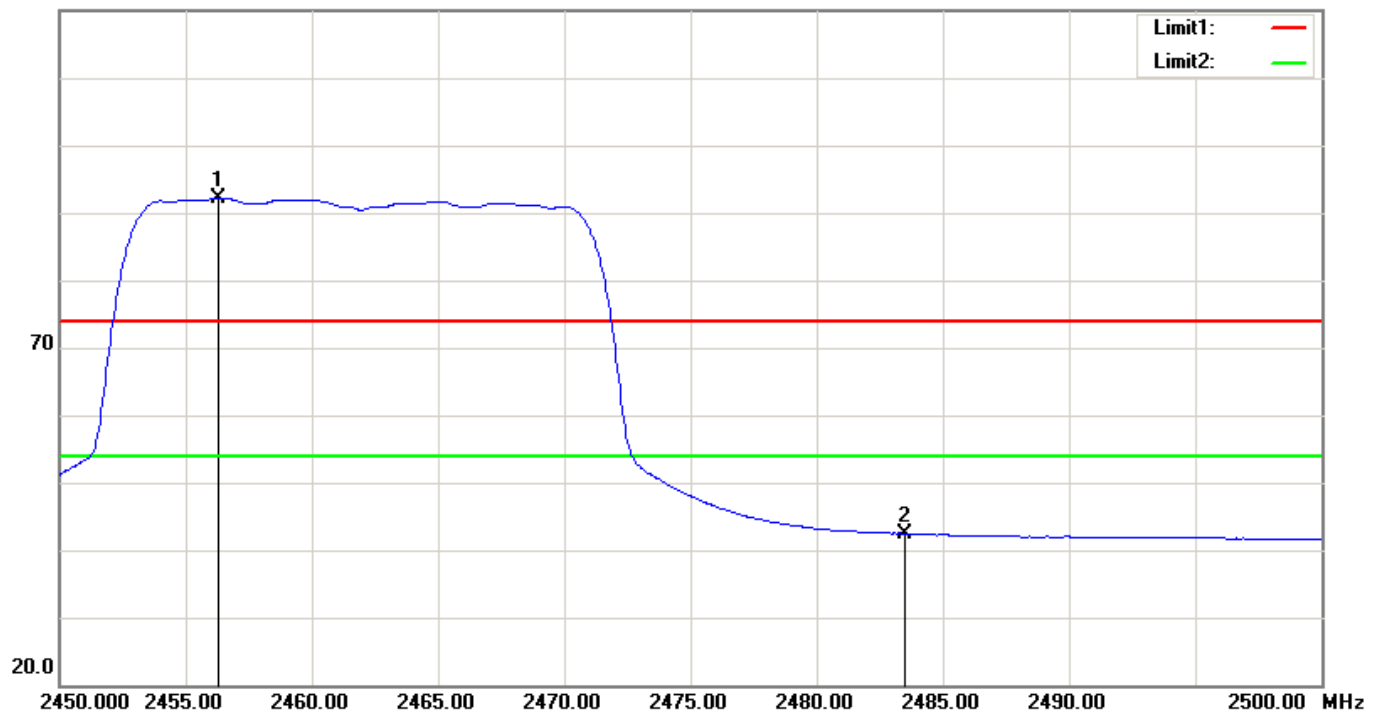
Polarity: Vertical



Detector mode: Average

120.0 dBuV/m

Polarity: Vertical

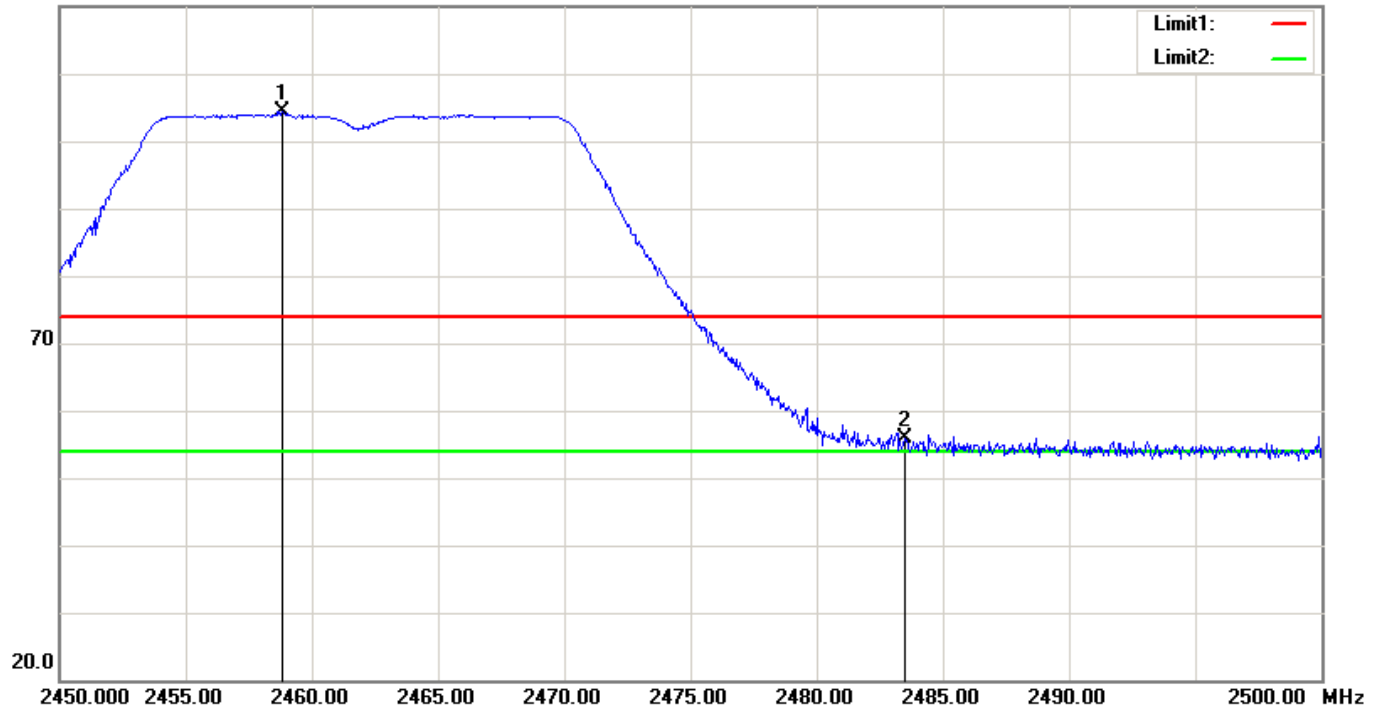


CH-High (CH11)

Detector mode: Peak

Polarity: Horizontal

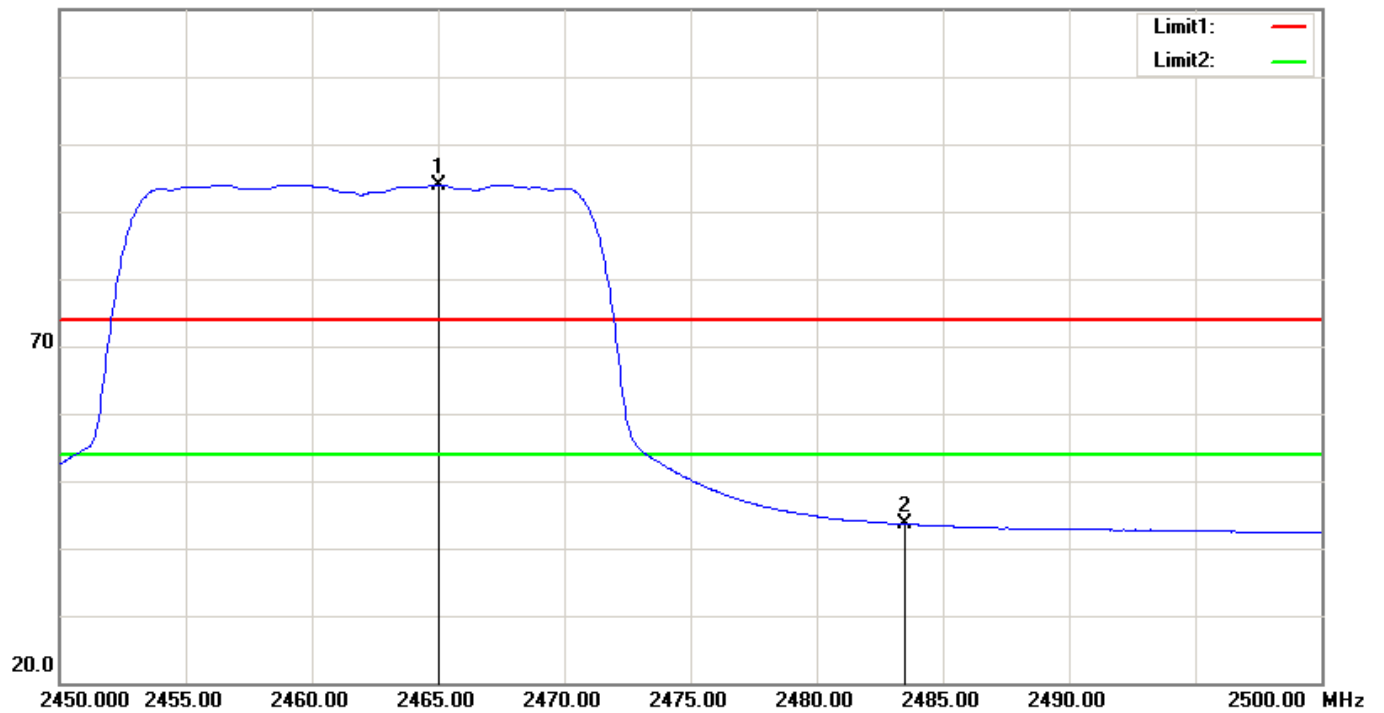
120.0 dBuV/m



Detector mode: Average

Polarity: Horizontal

120.0 dBuV/m



EUT :	液晶顯示器	Model Name :	LE55Q6500U
Temperature :	24 °C	Relative Humidity :	51%
Pressure :	1010 hPa	Test Voltage :	AC 110/60Hz
Test Mode :	802.11n40 Data rate 13.5Mbps		
Note :	1. The transmitter was setup to transmit at the lowest channel (CH03). Then the field strength was measured at 2310-2390 MHz. 2. The transmitter was setup to transmit at the highest channel (CH09). Then the field strength was measured at 2483.5-2500 MHz. 3. The data of 2390MHz and 2483.5MHz was the worst.		

Freq. (MHz) (Peak)	Freq. (MHz) (AV)	Ant.Pol. H/V	Reading		Ant/CF		Act		Limit		Note
			Peak (dBuv)	AV (dBuv)	Peak (dB)	AV (dB)	Peak (dBuv/m)	AV (dBuv/m)	Peak (dBuv/m)	AV (dBuv/m)	
2390.000	2390.000	V	55.45	44.49	-2.86	-2.86	52.59	41.63	74.00	54.00	CH03
2426.480	2425.360	V	102.07	92.19	-2.66	-2.67	---	---	---	---	CH03
2390.000	2390.000	H	57.88	45.66	-2.86	-2.86	55.02	42.80	74.00	54.00	CH03
2432.220	2431.240	H	102.14	92.23	-2.63	-2.64	---	---	---	---	CH03
2449.810	2447.570	V	102.10	92.02	-2.53	-2.55	---	---	---	---	CH09
2483.500	2483.500	V	56.04	44.96	-2.35	-2.35	53.69	42.61	74.00	54.00	CH09
2449.670	2447.570	H	102.62	92.45	-2.54	-2.55	---	---	---	---	CH09
2483.500	2483.500	H	58.35	45.43	-2.35	-2.35	56.00	43.08	74.00	54.00	CH09

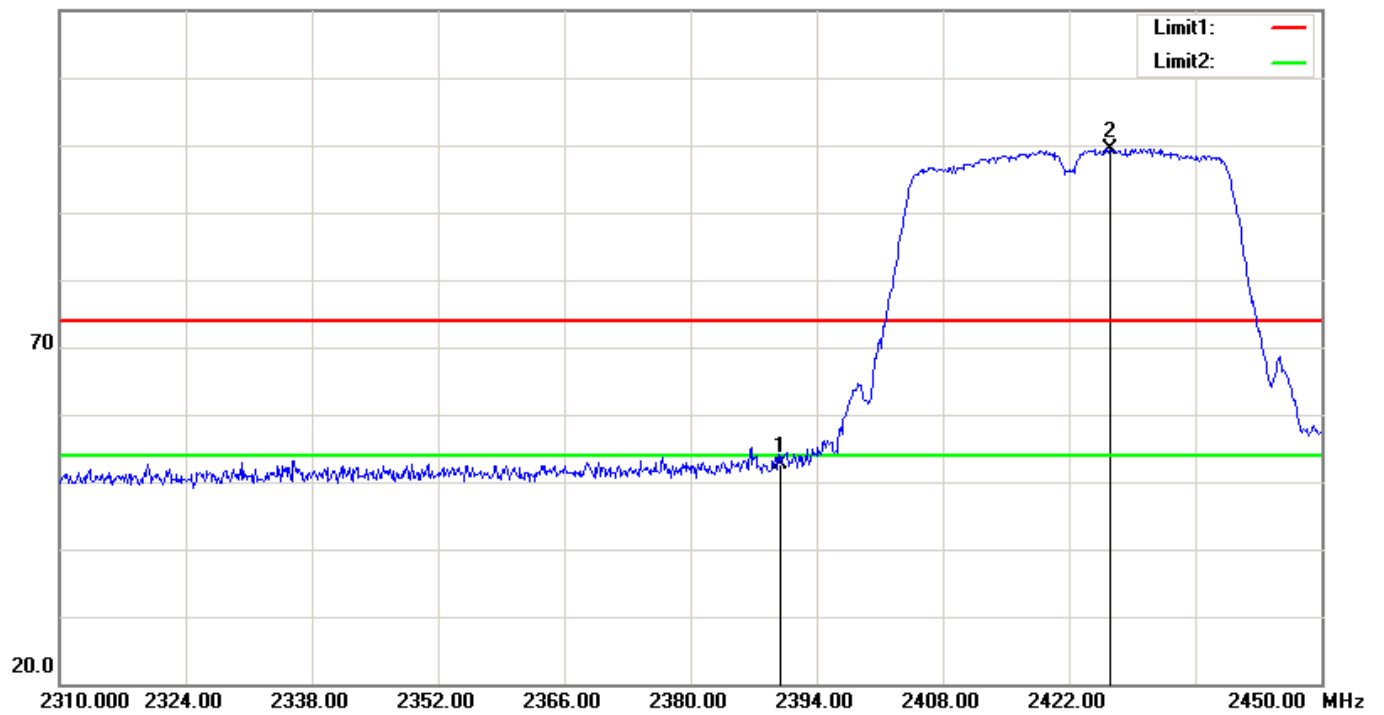
Remark :

- (1) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode
- (2) EUT Orthogonal Axis :
“X” - denotes Laid on Table ; ”Y” - denotes Vertical Stand ; ”Z” - denotes Side Stand
- (3) 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
- (4) Corr.Factor = Antenna Factor + Cable Loss – Pre-amplifier.

CH-Low (CH03)

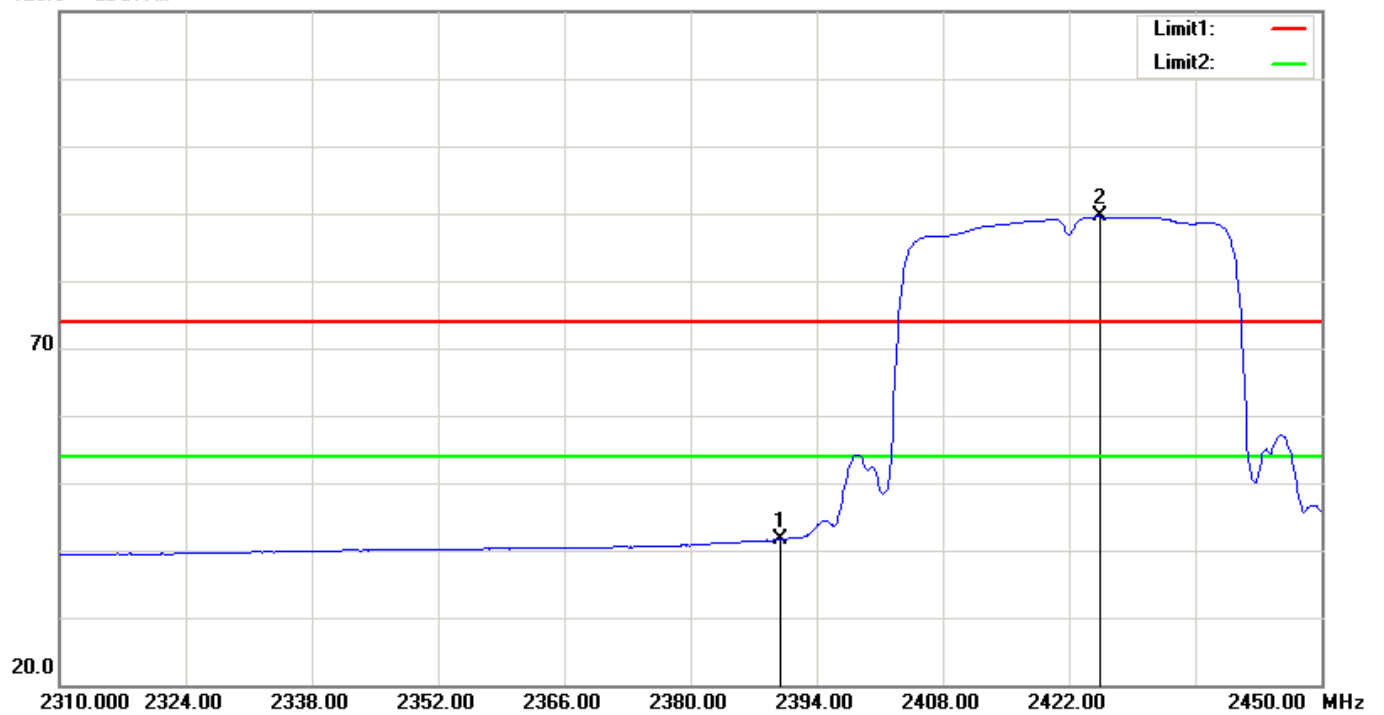
Detector mode: Peak
120.0 dBuV/m

Polarity: Vertical



Detector mode: Average
120.0 dBuV/m

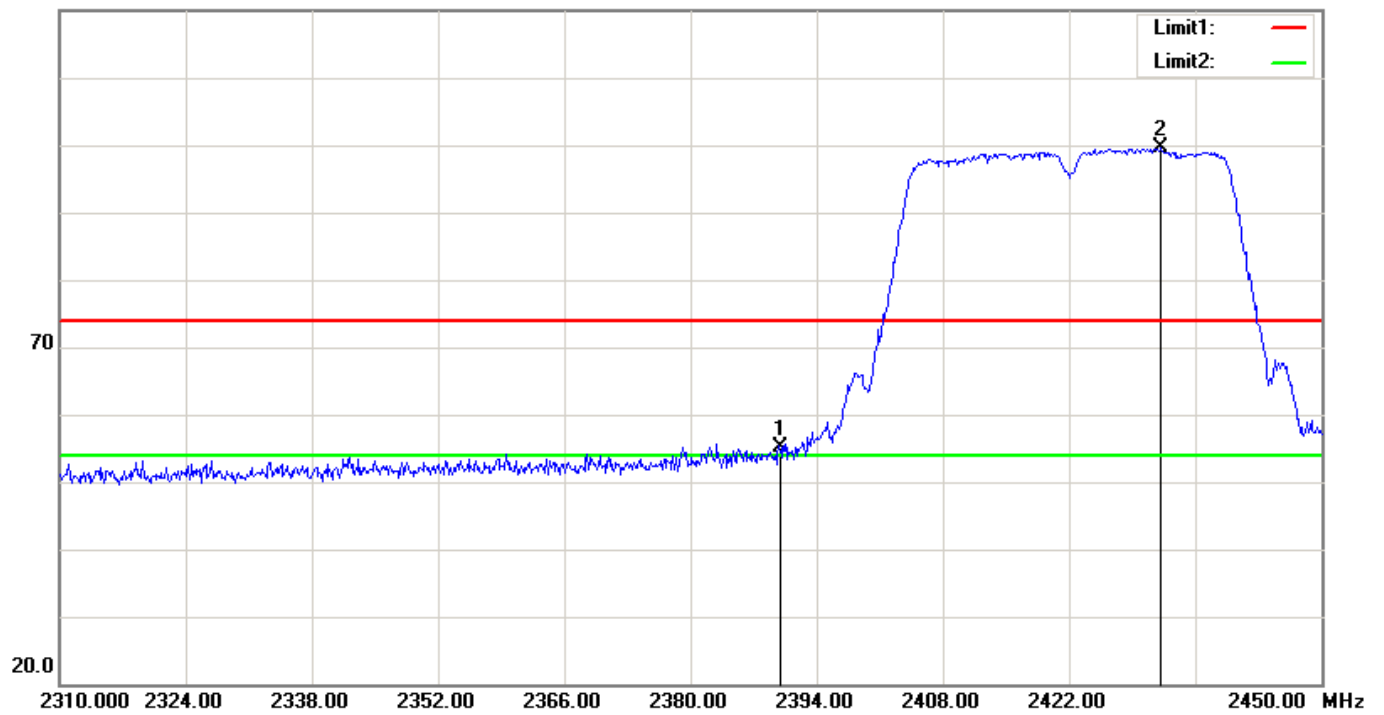
Polarity: Vertical



CH-Low (CH03)

Detector mode: Peak
120.0 dBuV/m

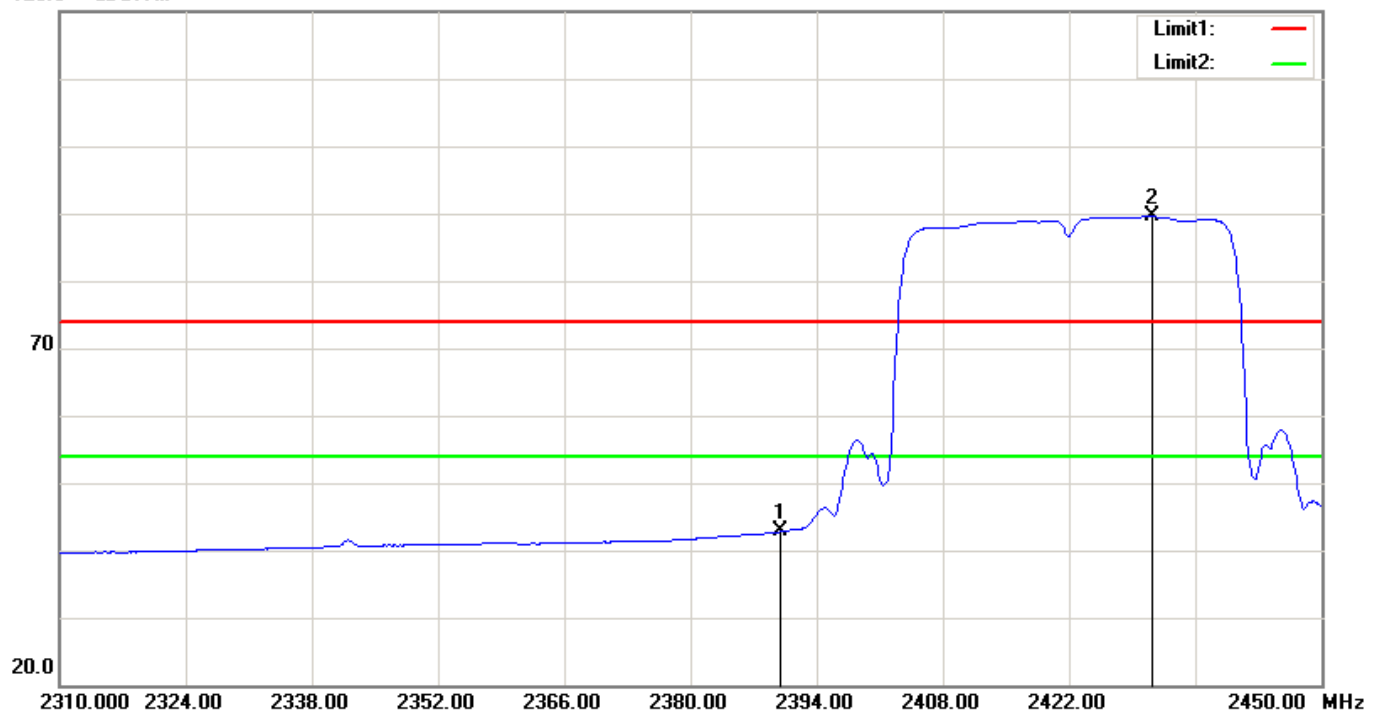
Polarity: Horizontal



Detector mode: Average

120.0 dBuV/m

Polarity: Horizontal

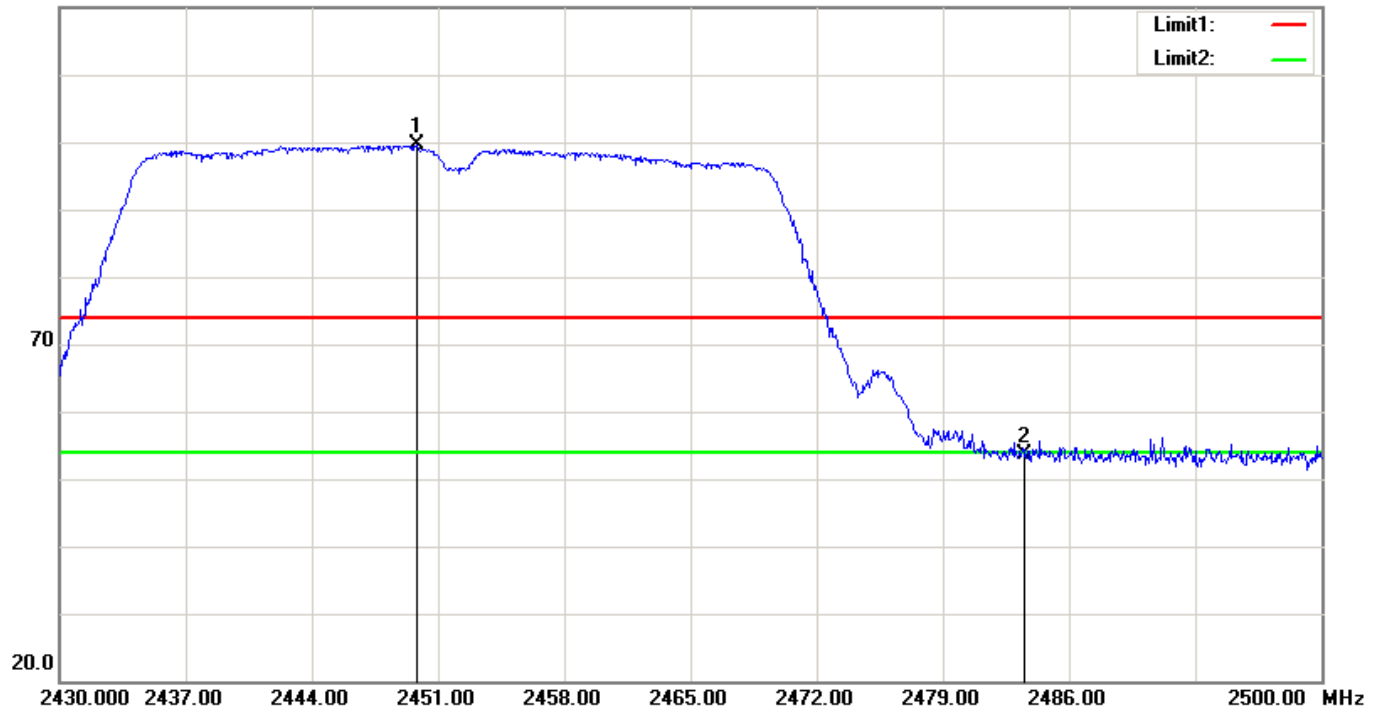


CH-High (CH09)

Detector mode: Peak

120.0 dBuV/m

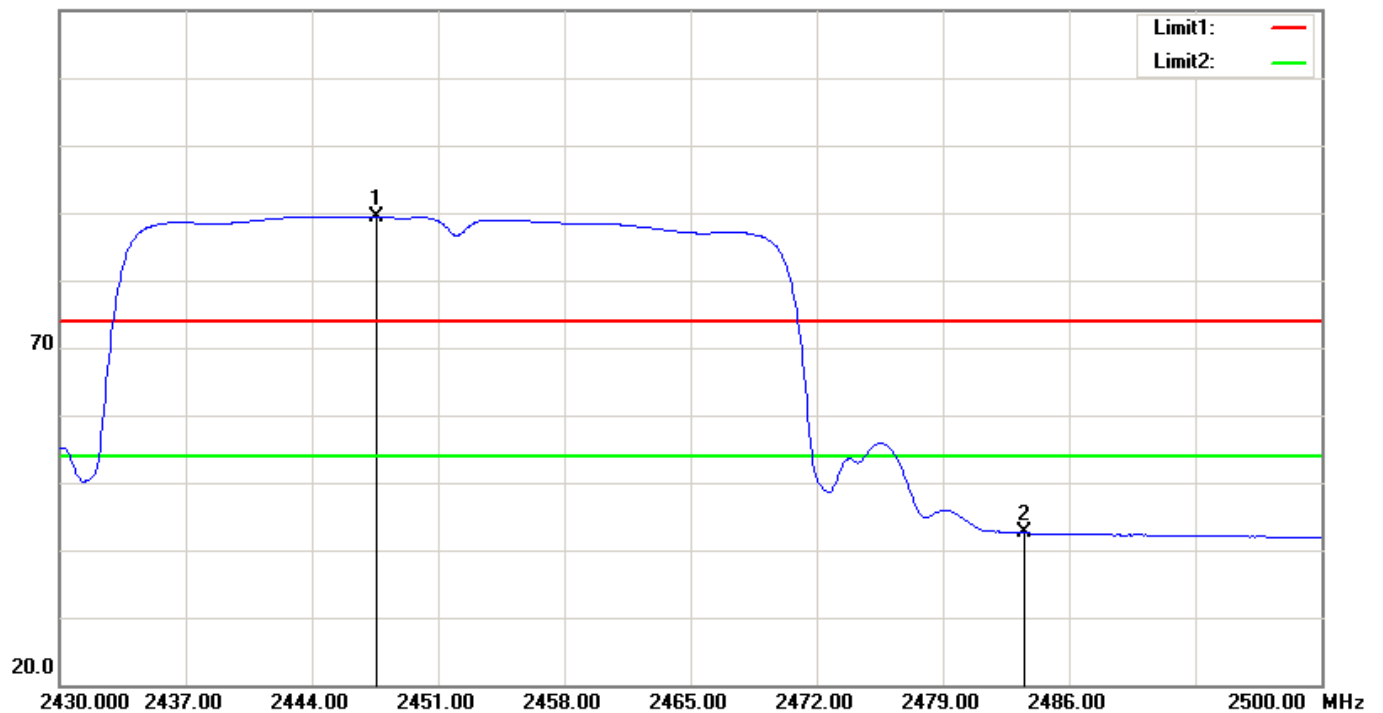
Polarity: Vertical



Detector mode: Average

120.0 dBuV/m

Polarity: Vertical

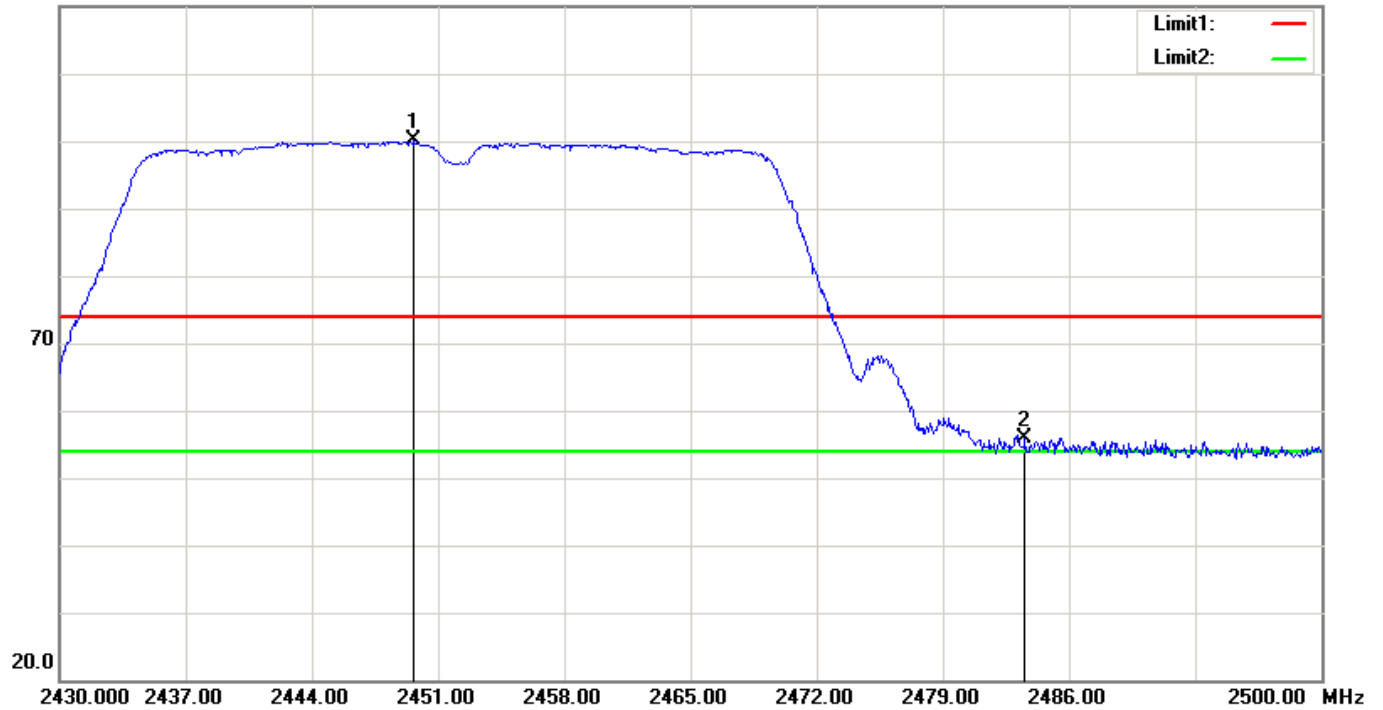


CH-High (CH09)

Detector mode: Peak

Polarity: Horizontal

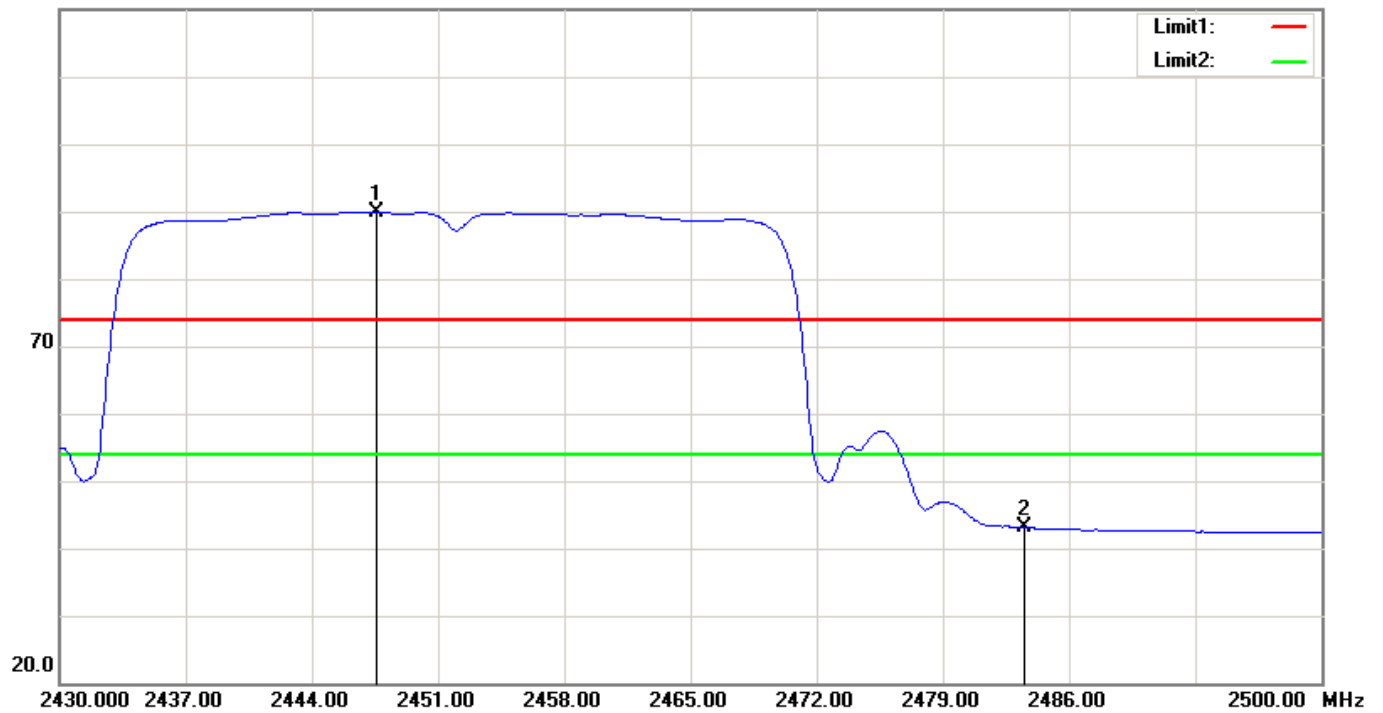
120.0 dBuV/m



Detector mode: Average

Polarity: Horizontal

120.0 dBuV/m



4. OCCUPIED BANDWIDTH TEST

4.1 APPLIED PROCEDURES / LIMIT

LP0002				
Section	Test Item	Limit	Frequency Range (MHz)	Result
3.10.1(6.2.1)	Bandwidth	$\geq 500\text{KHz}$ (6dB bandwidth)	2400-2483.5	PASS

Spectrum Parameter	Setting
Attenuation	Auto
Span Frequency	$>$ Measurement Bandwidth or Channel Separation
RB	100 kHz (6dB Bandwidth) / 100 kHz (Channel Separation)
VB	300 kHz (6dB Bandwidth) / 300 kHz (Channel Separation)
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

4.1.1 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 = Auto.

4.1.2 TEST SETUP



4.1.3 EUT OPERATION CONDITIONS

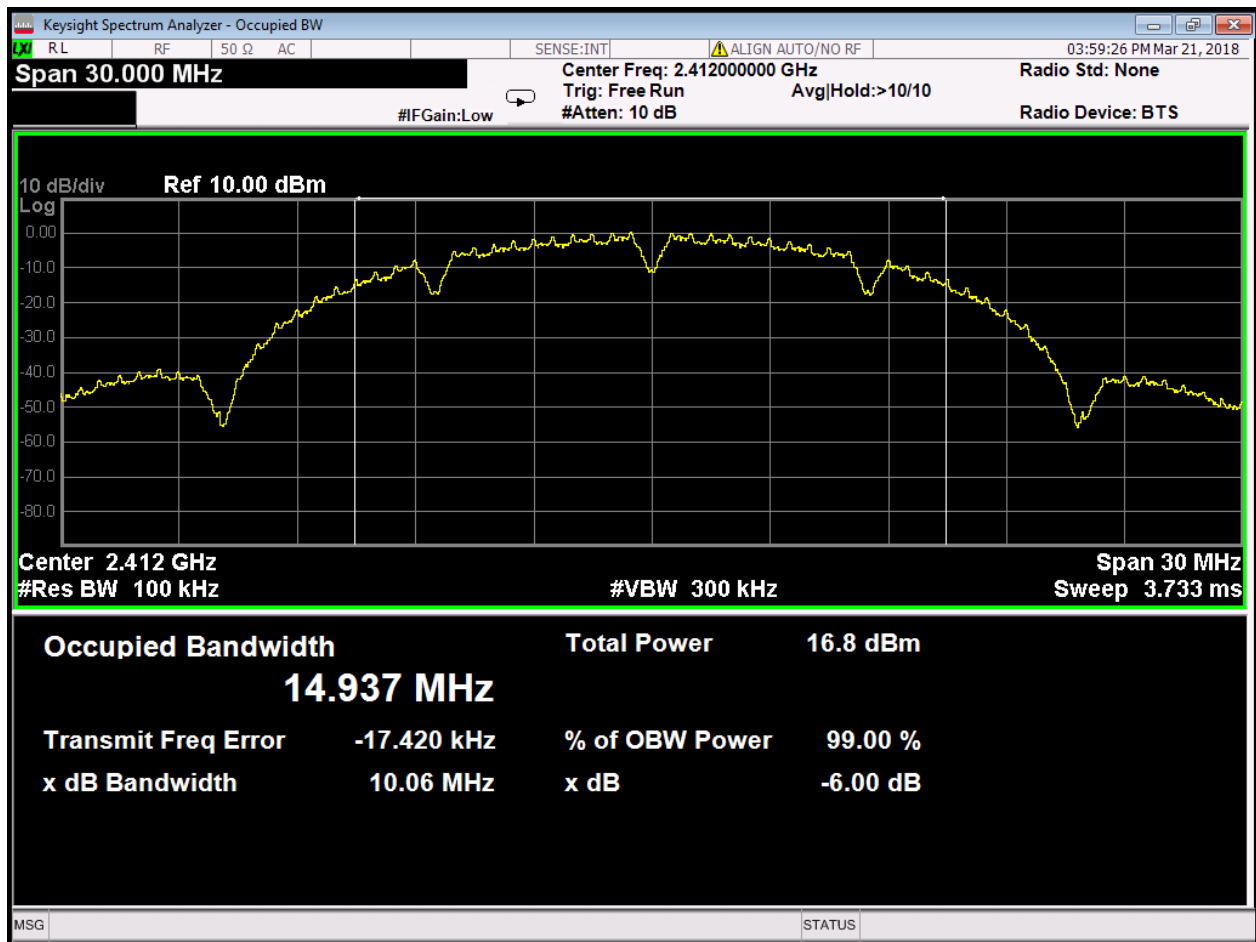
The EUT tested system was configured as the statements of 2.4 Unless otherwise a special operating condition is specified in the follows during the testing.

4.1.4 TEST RESULTS

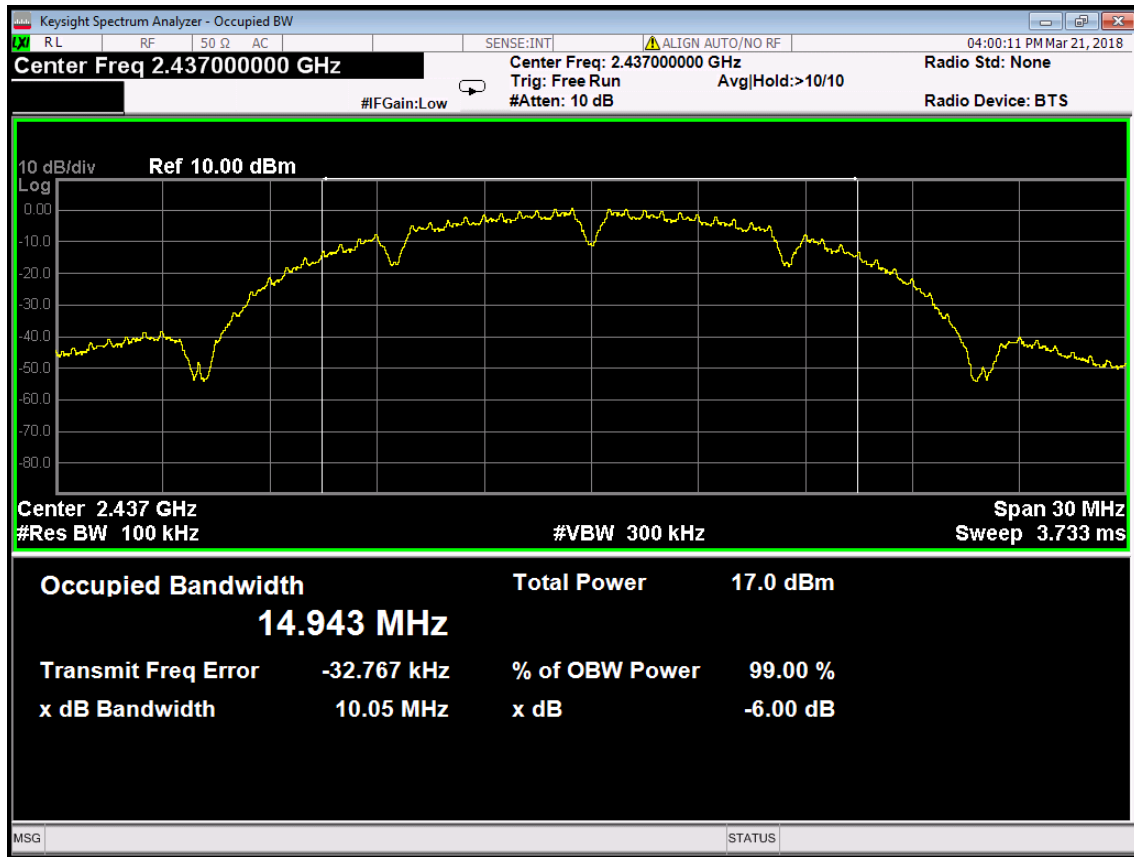
EUT :	液晶顯示器	Model Name :	LE55Q6500U
Temperature :	25 °C	Relative Humidity :	60%
Pressure :	1010 hPa	Test Voltage :	AC 110/60Hz
Test Mode :	CH01 / CH06 /CH11(802.11b Data rate 1Mbps)		

Frequency	6dB Bandwidth (MHz)	Channel Separation (Limit)	Result
2412 MHz	10.06	$\geq 500\text{KHz}$	Pass
2437 MHz	10.05	$\geq 500\text{KHz}$	Pass
2462 MHz	10.06	$\geq 500\text{KHz}$	Pass

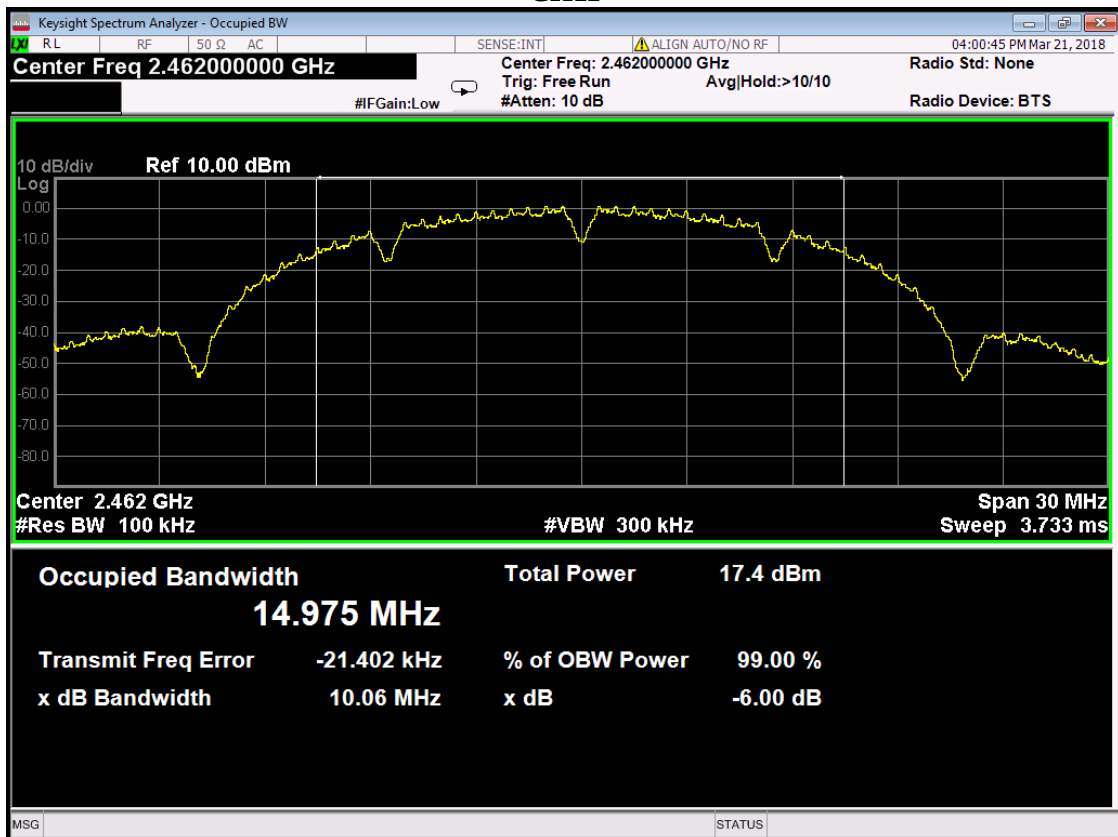
CH01



CH06



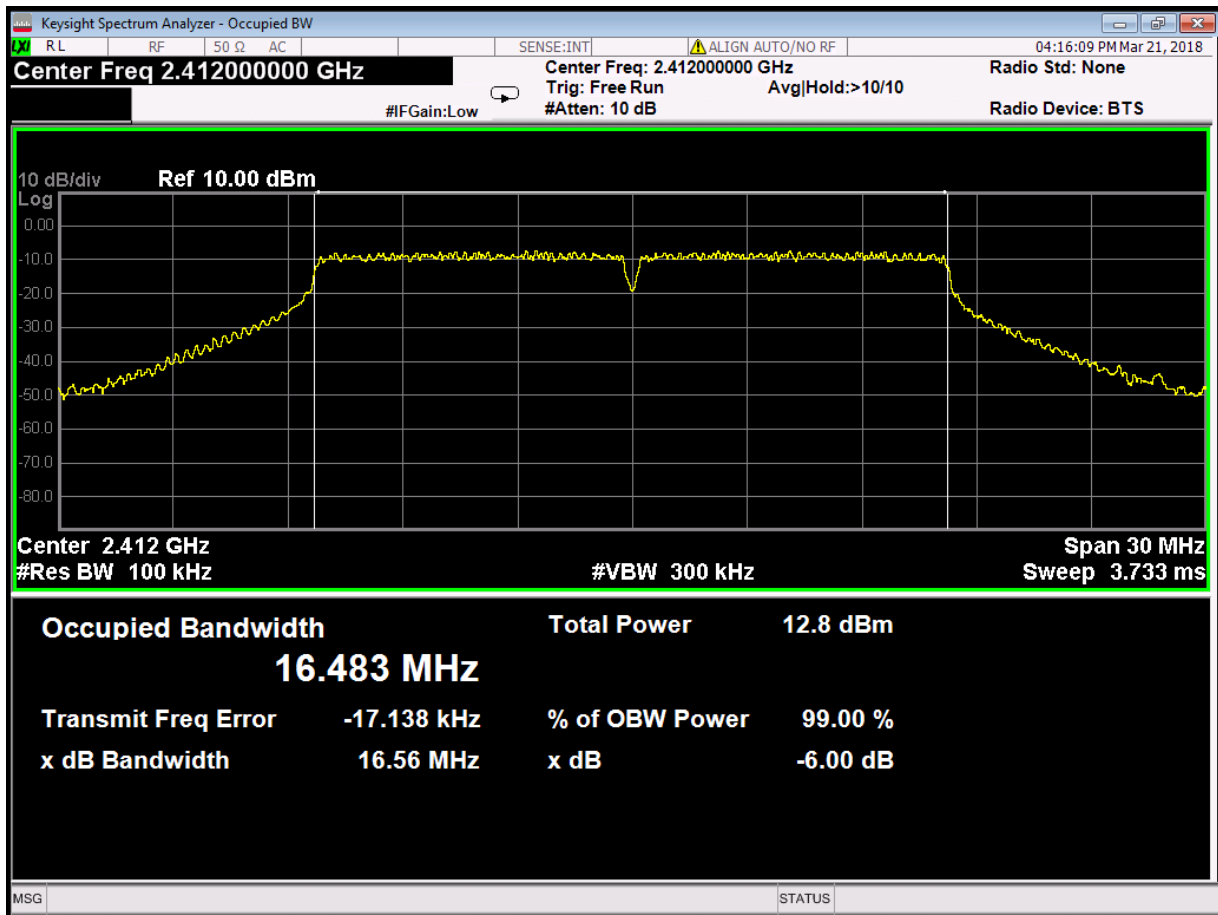
CH11



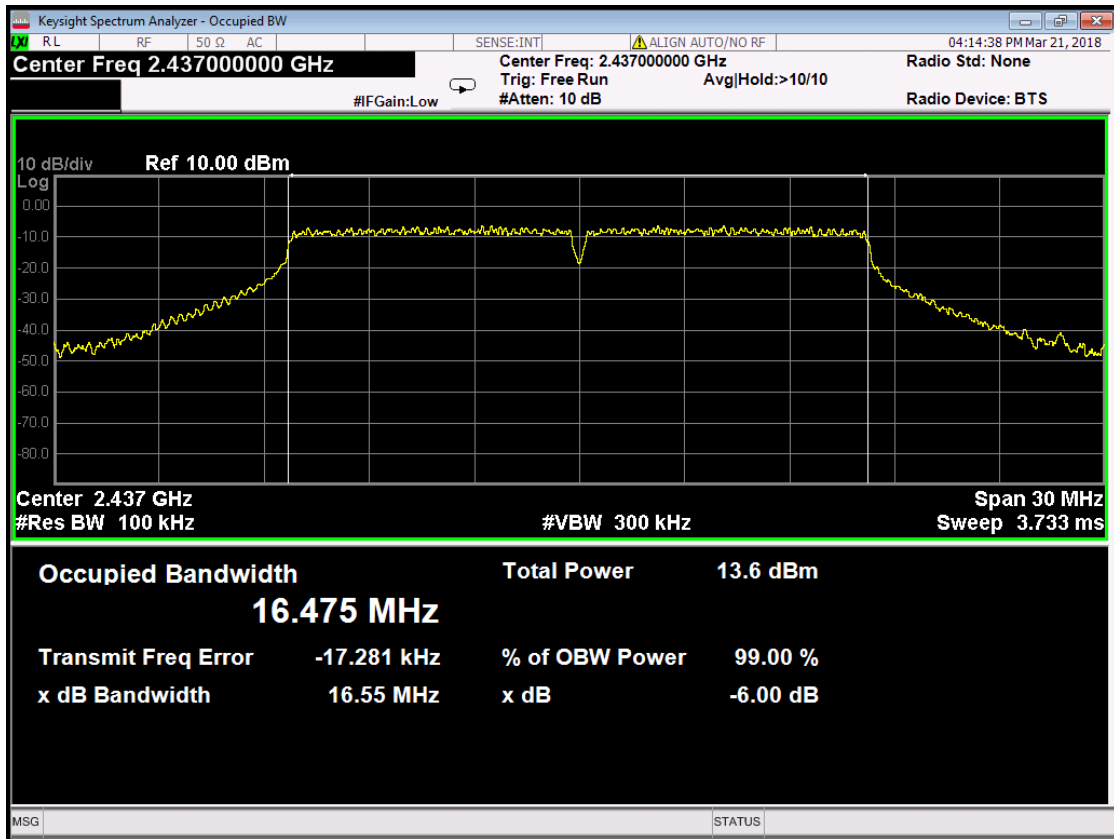
EUT :	液晶顯示器	Model Name :	LE55Q6500U
Temperature :	25 °C	Relative Humidity :	60%
Pressure :	1010 hPa	Test Voltage :	AC 110/60Hz
Test Mode :	CH01 / CH06 / CH11(802.11g Data rate 6Mbps)		

Frequency	6dB Bandwidth (MHz)	Channel Separation (Limit)	Result
2412 MHz	16.56	>= 500KHz	Pass
2437 MHz	16.55	>= 500KHz	Pass
2462 MHz	16.56	>= 500KHz	Pass

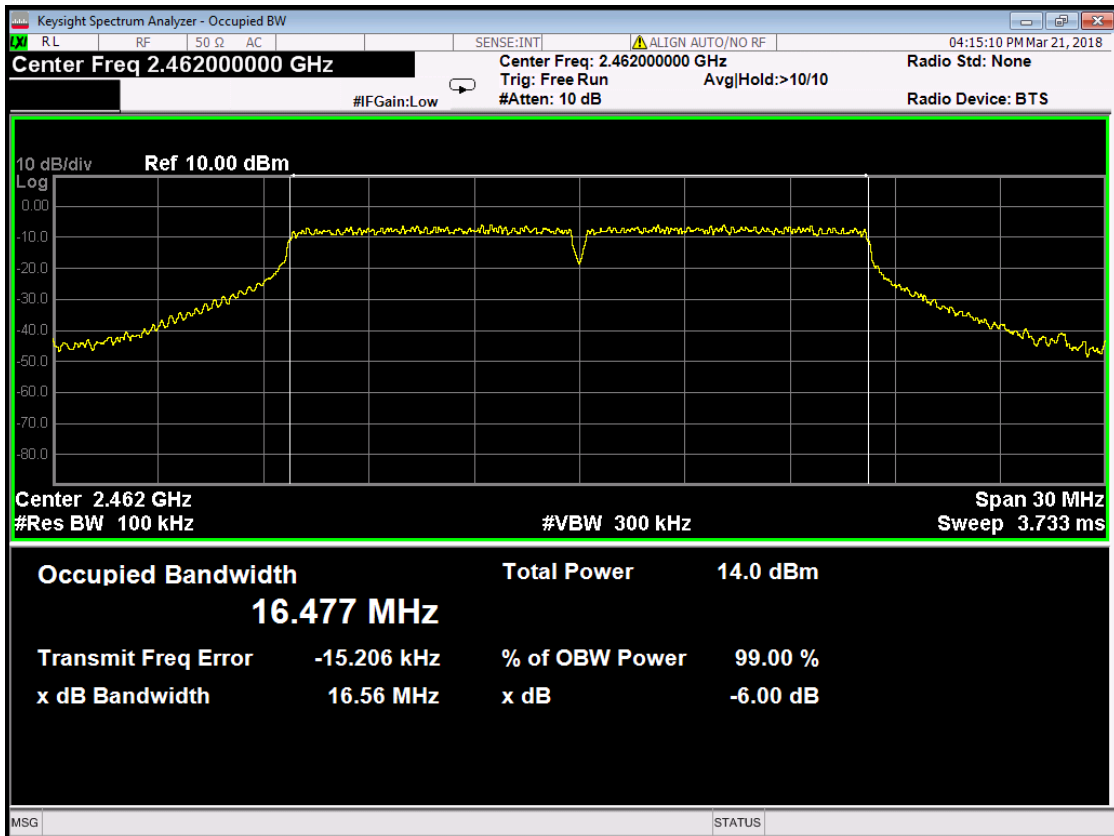
CH01



CH06



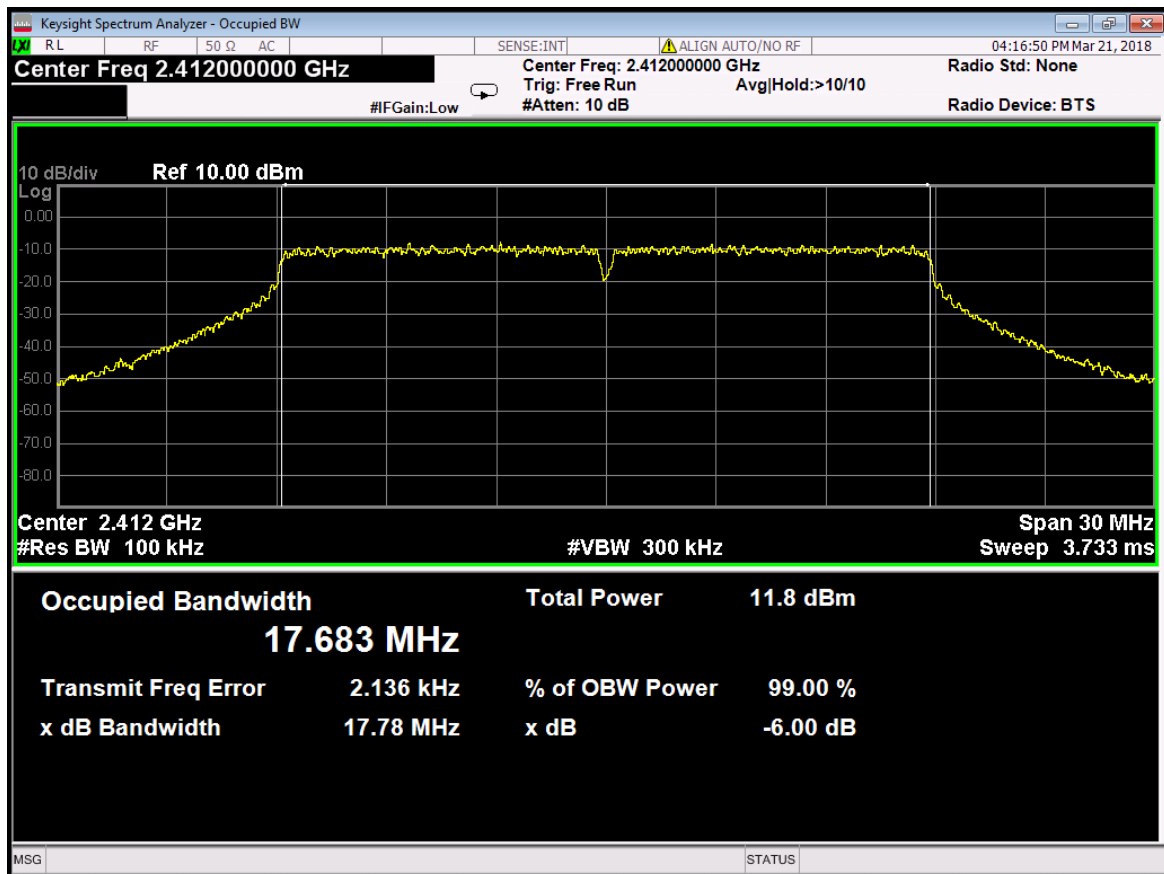
CH11



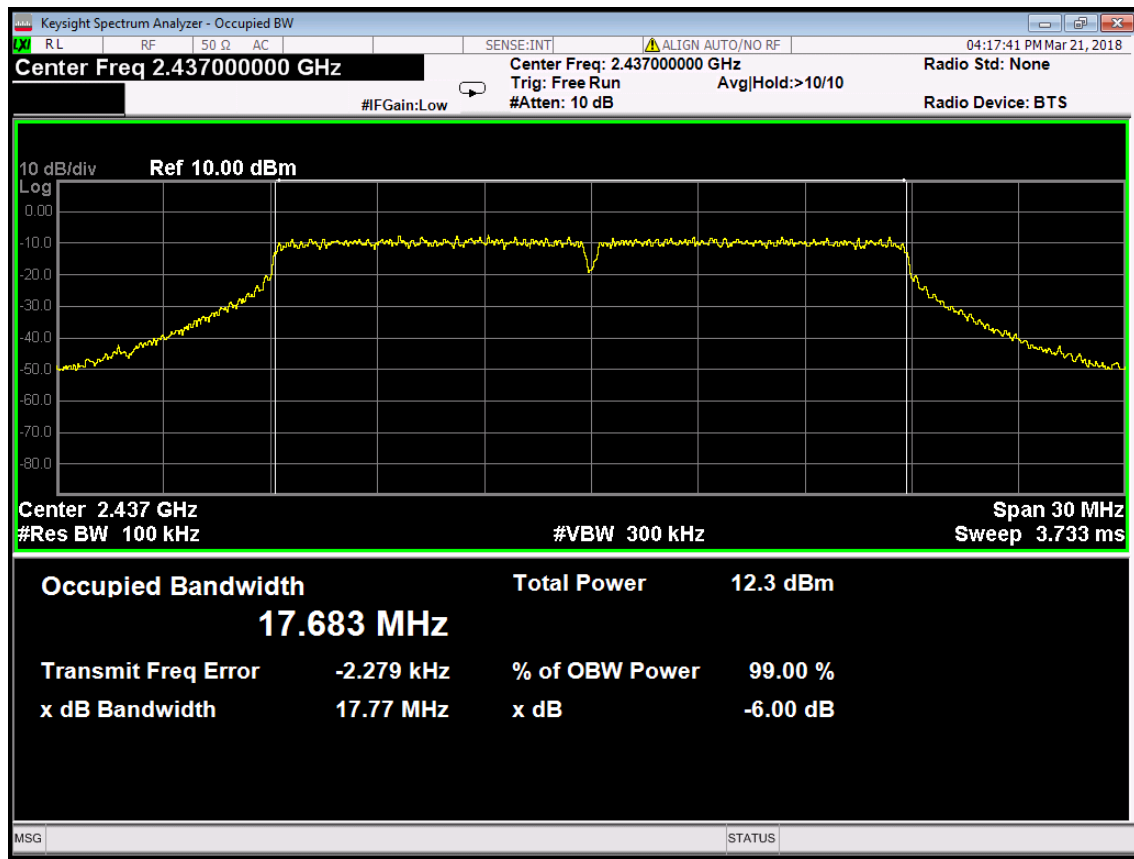
EUT :	液晶顯示器	Model Name :	LE55Q6500U
Temperature :	25 °C	Relative Humidity :	60%
Pressure :	1010 hPa	Test Voltage :	AC 110/60Hz
Test Mode :	CH01 / CH06/ CH11(802.11n20 Data rate 6.5Mbps)		

Frequency	6dB Bandwidth (MHz)	Channel Separation (Limit)	Result
2412 MHz	17.78	>= 500KHz	Pass
2437 MHz	17.77	>= 500KHz	Pass
2462 MHz	17.78	>= 500KHz	Pass

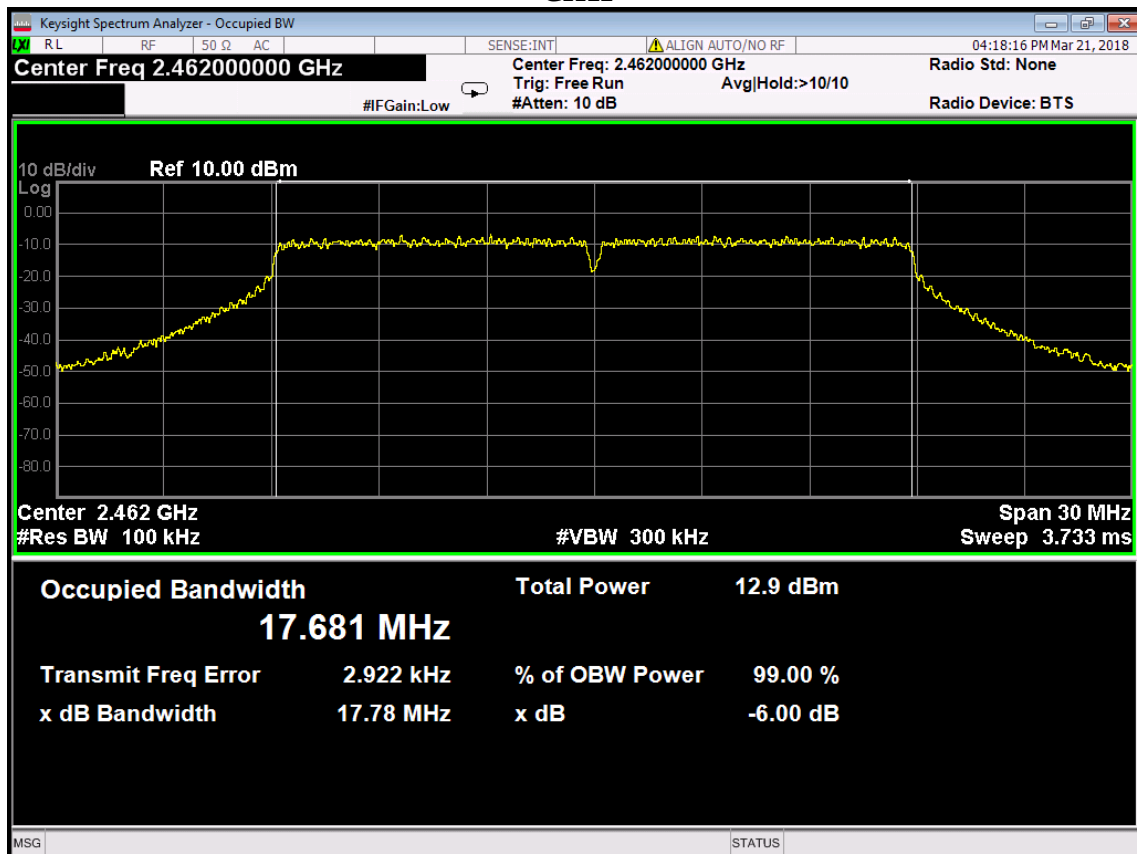
CH01



CH06



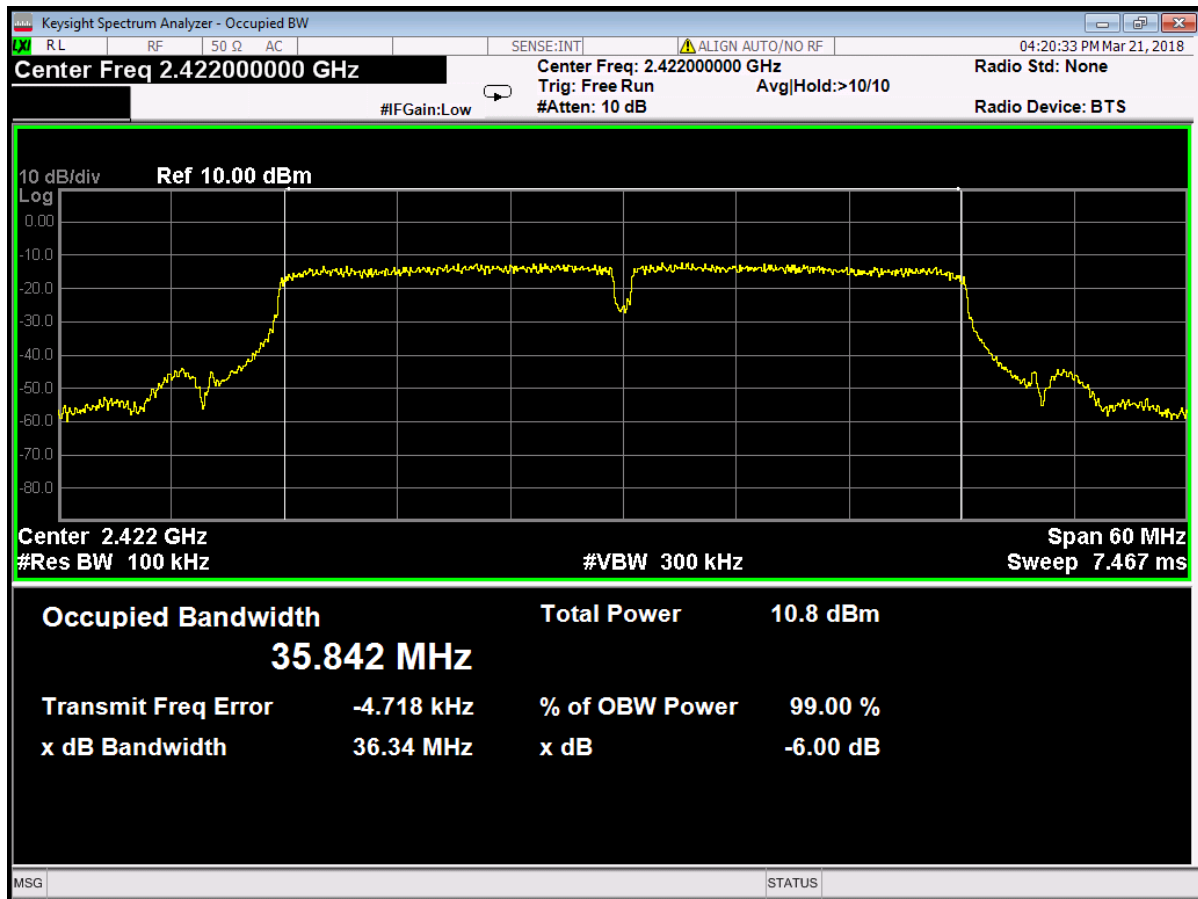
CH11



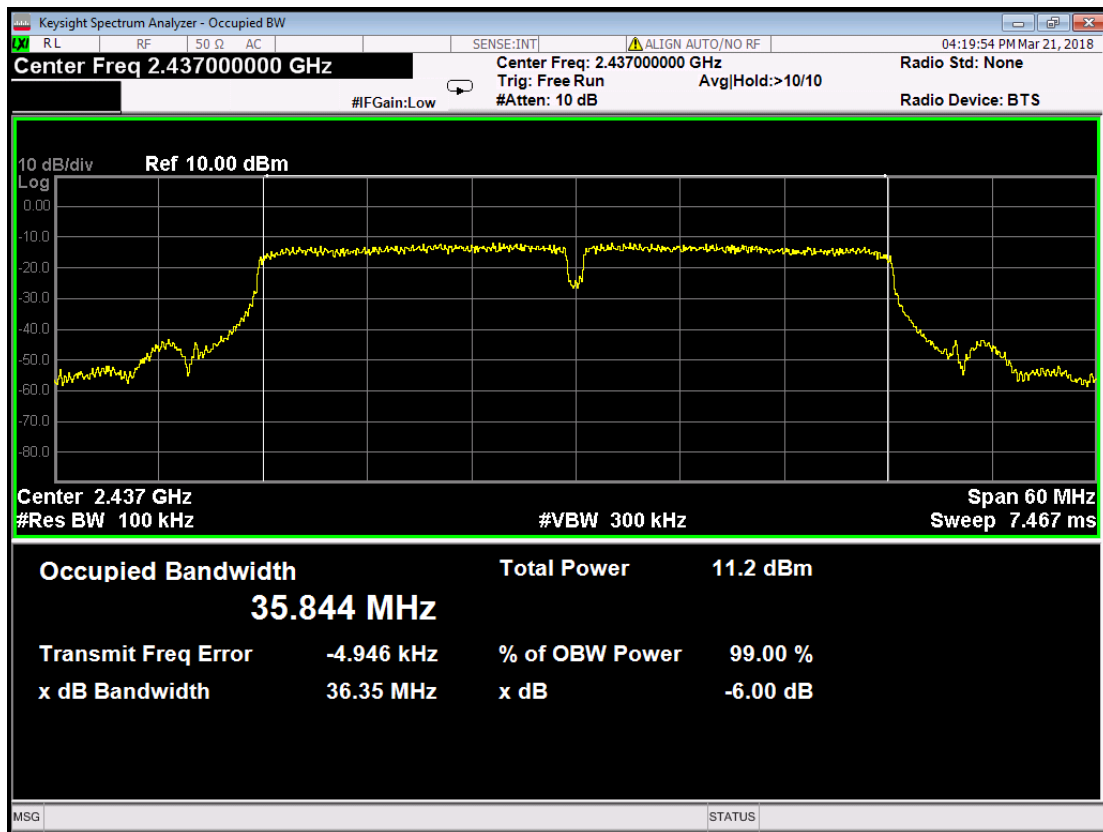
EUT :	液晶顯示器	Model Name :	LE55Q6500U
Temperature :	25 °C	Relative Humidity :	60%
Pressure :	1010 hPa	Test Voltage :	AC 110/60Hz
Test Mode :	CH03 / CH06/ CH09(802.11n40 Data rate 13.5Mbps)		

Frequency	6dB Bandwidth (MHz)	Channel Separation (Limit)	Result
2422 MHz	36.34	>= 500KHz	Pass
2437 MHz	36.35	>= 500KHz	Pass
2452 MHz	36.36	>= 500KHz	Pass

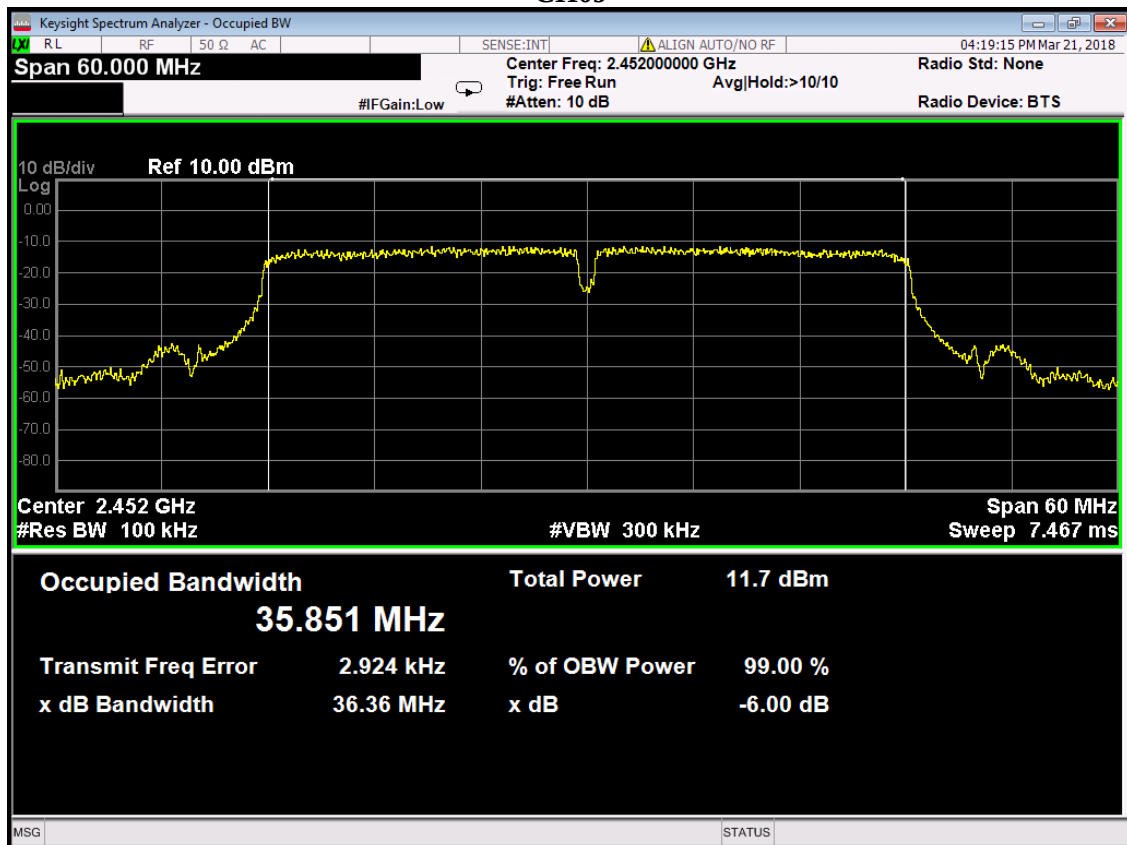
CH03



CH06



CH09



5. POWER DENSITY

5.1 APPLIED PROCEDURES / LIMIT

LP0002				
Section	Test Item	Limit	Frequency Range (MHz)	Result
3.10.1(6.2.2)	Power density	8dBm	2400-2483.5	PASS

Spectrum Parameters	Setting
Attenuation	Auto
Span Frequency	> Operating Frequency Range
RB	3 kHz
VB	10 kHz
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

5.1.1 TEST PROCEDURE

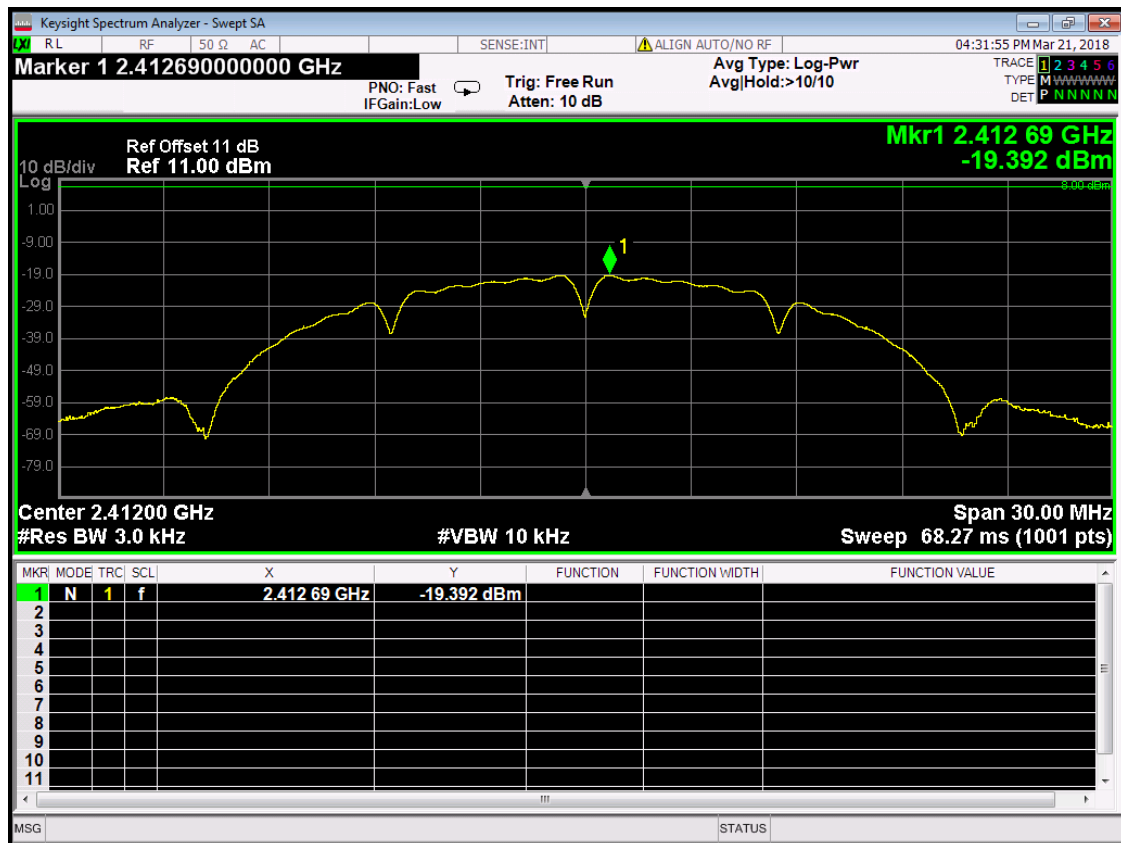
- The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below,
- Spectrum Setting : RBW= 3KHz, VBW=10KHz, Sweep time = 100S, Span=300KHz.

5.1.2 TEST SETUP



5.1.3 EUT OPERATION CONDITIONS

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



[illegible][illegible]

Test Channel	Frequency (MHz)	Power Density (dBm)	LIMIT (dBm)
CH01	2412 MHz	-21.217	8
CH06	2437 MHz	-21.352	8
CH11	2462 MHz	-19.966	8

[illegible]

Keysight Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO/NO RF 05:55:24 PM Mar 21, 2018

Marker 1 2.434750000000 GHz PNO: Fast IFGain:Low Trig: Free Run Atten: 10 dB Avg Type: Log-Pwr Avg/Hold:>10/10

Ref Offset 11 dB Ref 11.00 dBm

Mkr1 2.434 75 GHz -21.352 dBm

10 dB/div Log

Center 2.43700 GHz Span 30.00 MHz #Res BW 3.0 kHz #VBW 10 kHz Sweep 68.27 ms (1001 pts)

MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	2.434 75 GHz	-21.352 dBm			
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								

MSG STATUS

Keysight Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO/NO RF 04:29:56 PM Mar 21, 2018

Marker 1 2.459750000000 GHz PNO: Fast IFGain:Low Trig: Free Run Atten: 10 dB Avg Type: Log-Pwr Avg/Hold:>10/10

TRACE 1 2 3 4 5 6
TYPE M W W W W W W W
DET P N N N N N N

Ref Offset 11 dB
Ref 11.00 dBm

10 dB/div
Log

Mkr1 2.459 75 GHz
-19.966 dBm

Center 2.46200 GHz Span 30.00 MHz
#Res BW 3.0 kHz #VBW 10 kHz Sweep 68.27 ms (1001 pts)

MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	2.459 75 GHz	-19.966 dBm			
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								

MSG STATUS

Test Channel	Frequency (MHz)	Power Density (dBm)	LIMIT (dBm)
CH01	2412 MHz	-21.412	8
CH06	2437 MHz	-21.254	8
CH11	2462 MHz	-20.583	8

[illegible]

[illegible]

Keysight Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO/NO RF 04:29:02 PM Mar 21, 2018

Marker 1 2.464190000000 GHz

PNO: Fast IFGain:Low Trig: Free Run Atten: 10 dB Avg Type: Log-Pwr Avg/Hold:>10/10

TRACE 1 2 3 4 5 6 TYPE M NNNNNN DET P NNNNN

Ref Offset 11 dB Ref 11.00 dB

10 dB/div Log

Mkr1 2.464 19 GHz -20.583 dBm

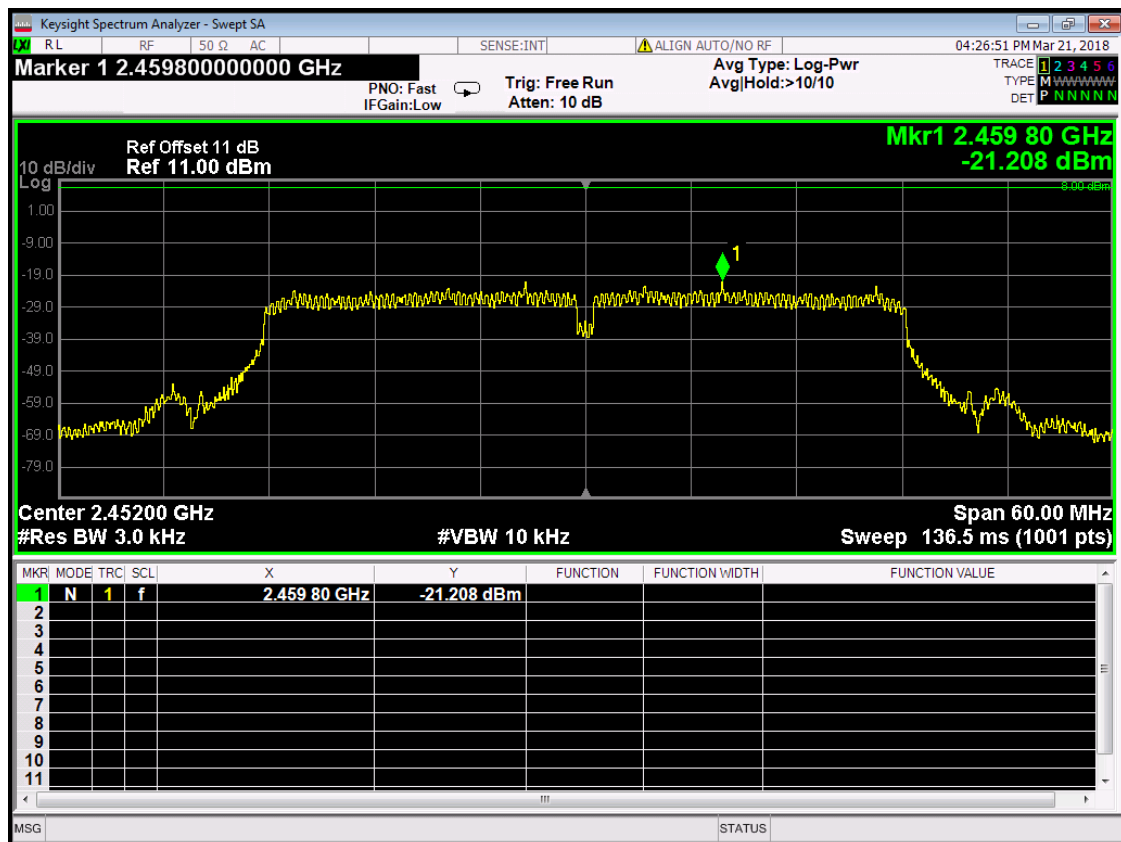
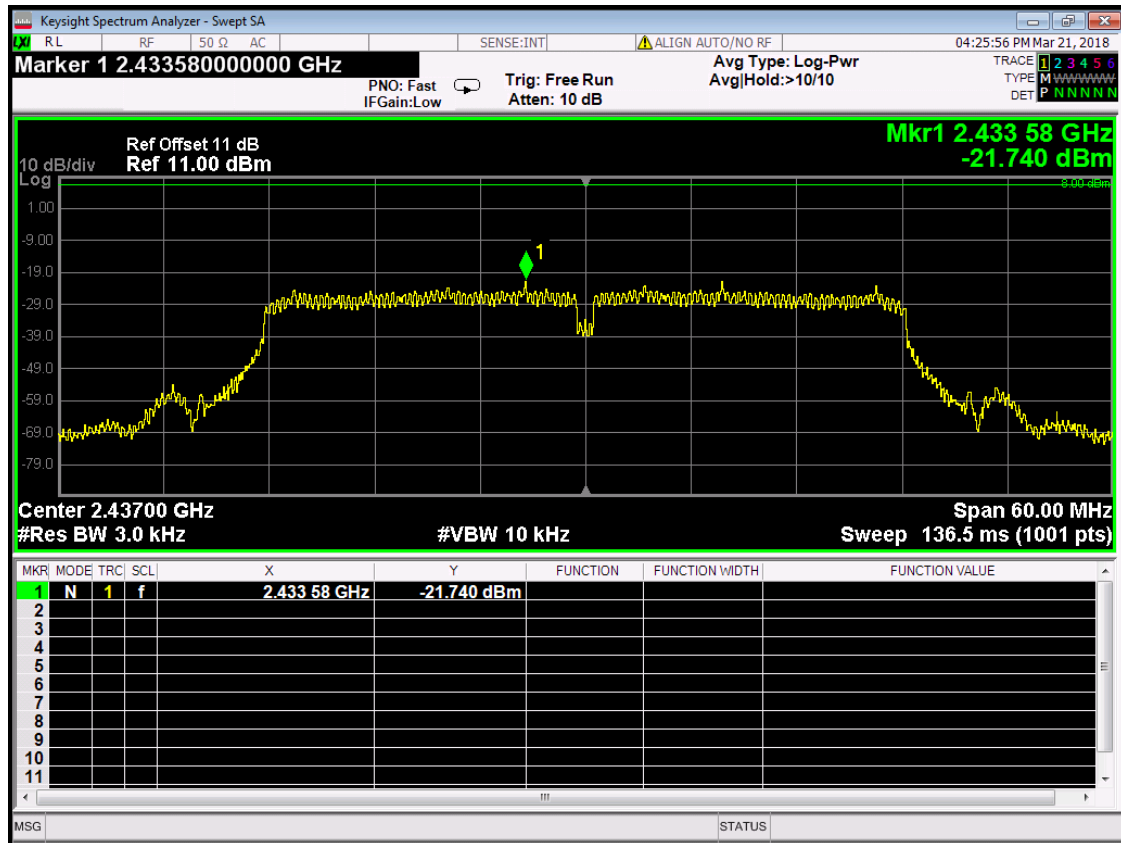
Center 2.46200 GHz Span 30.00 MHz #Res BW 3.0 kHz #VBW 10 kHz Sweep 68.27 ms (1001 pts)

MRK	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	2.464 19 GHz	-20.583 dBm			
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								

MSG STATUS

Test Channel	Frequency (MHz)	Power Density (dBm)	LIMIT (dBm)
CH03	2422 MHz	-22.645	8
CH06	2437 MHz	-21.740	8
CH09	2452 MHz	-21.208	8

[illegible]



6. PEAK OUTPUT POWER TEST

6.1 APPLIED PROCEDURES / LIMIT

LP0002				
Section	Test Item	Limit	Frequency Range (MHz)	Result
3.10.1(2)	Peak Output Power	1 watt or 30dBm	2400-2483.5	PASS

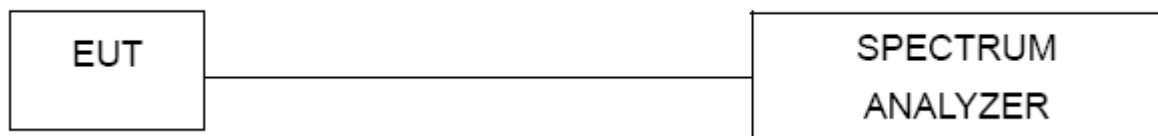
6.1.1 TEST PROCEDURE

- The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below,
- Spectrum Setting : RBW= 1MHz, VBW= 3MHz, Sweep time = Auto.

6.1.2 DEVIATION FROM STANDARD

No deviation.

6.1.3 TEST SETUP



6.1.4 EUT OPERATION CONDITIONS

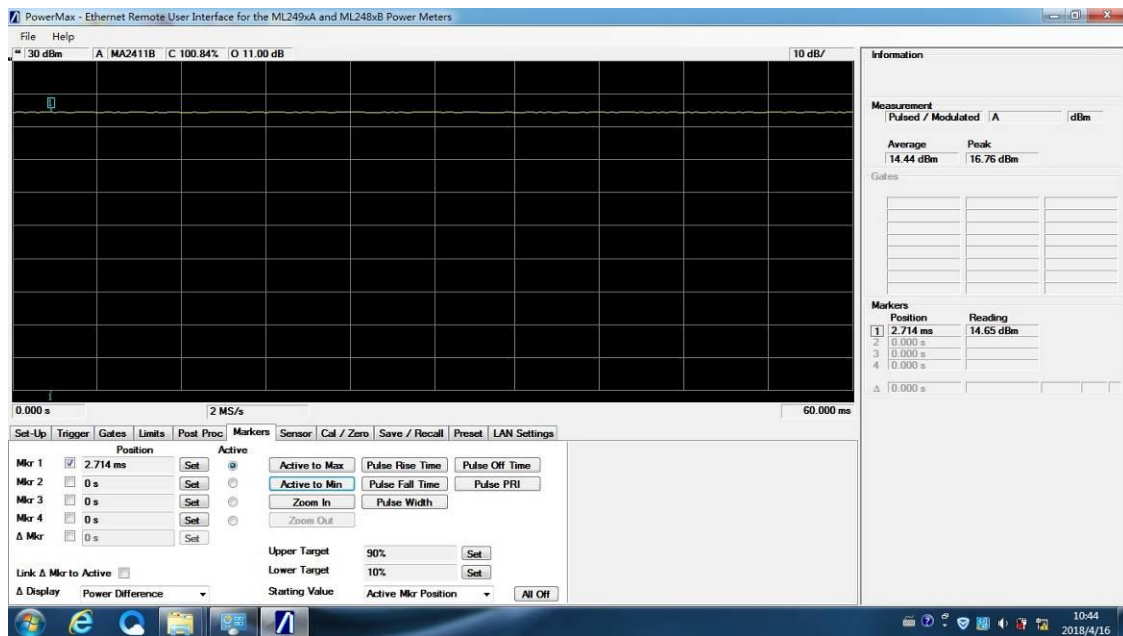
The EUT tested system was configured as the statements of 2.4 Unless otherwise a special operating condition is specified in the follows during the testing.

6.1.5 TEST RESULTS

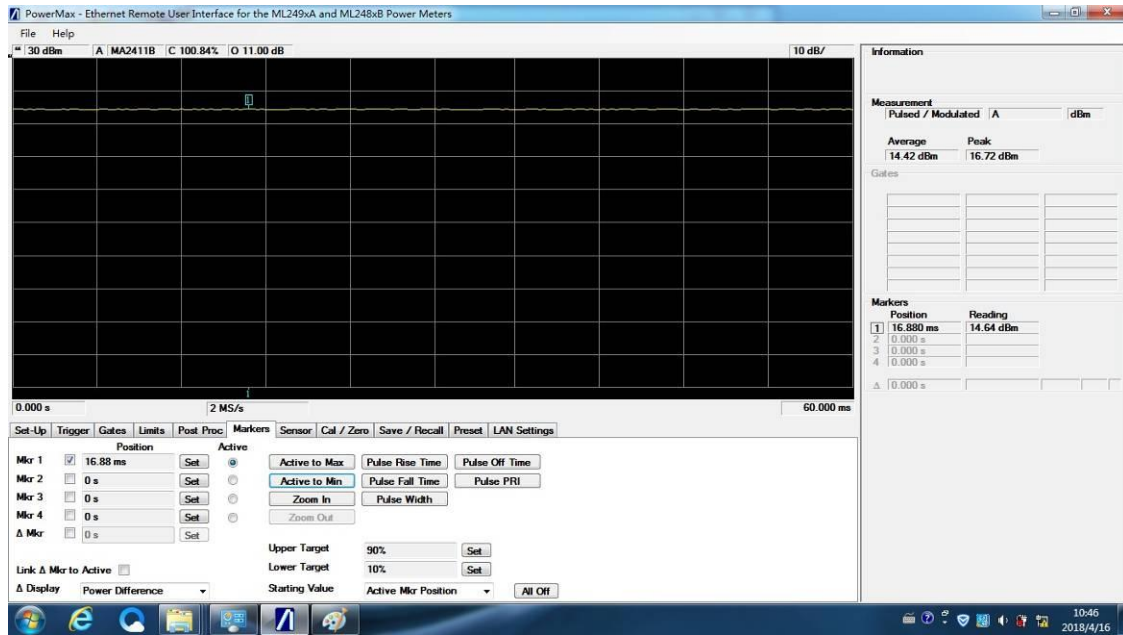
EUT :	50 寸顯示器	Model Name :	LE50K6500U
Temperature :	25 °C	Relative Humidity :	60%
Pressure :	1010 hPa	Test Voltage :	AC 110/60Hz
Test Mode :	CH01/ CH06 /CH11 (802.11b Data rate 1Mbps)		

Test Channel	Frequency (MHz)	Peak Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH01	2412 MHz	16.76	30	1
CH06	2437 MHz	16.72	30	1
CH11	2462 MHz	17.20	30	1

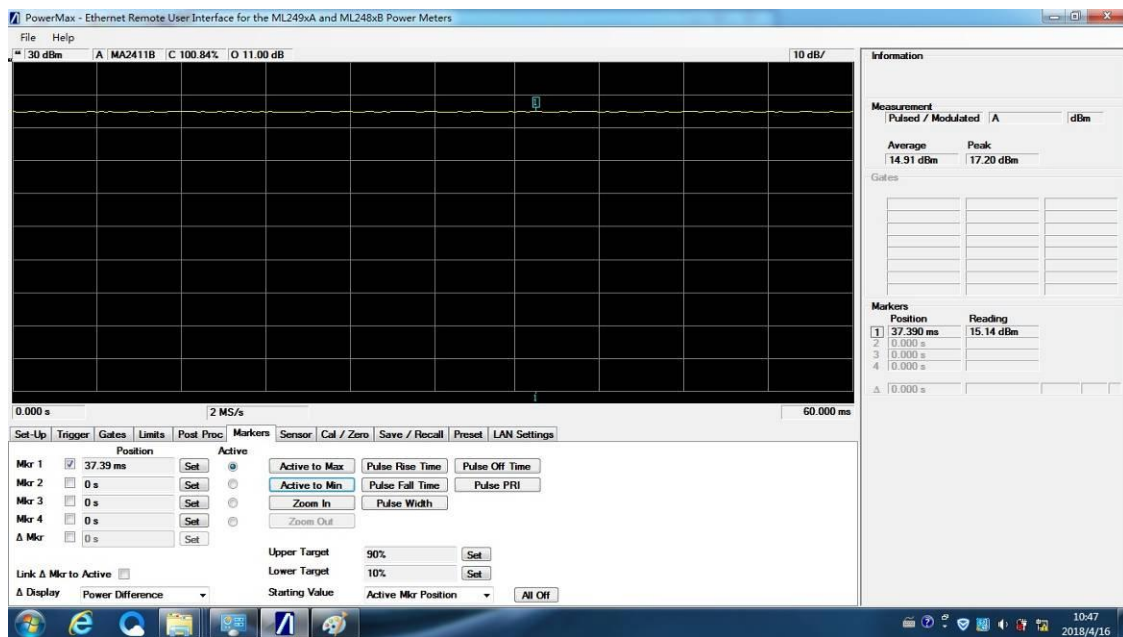
CH01



CH06



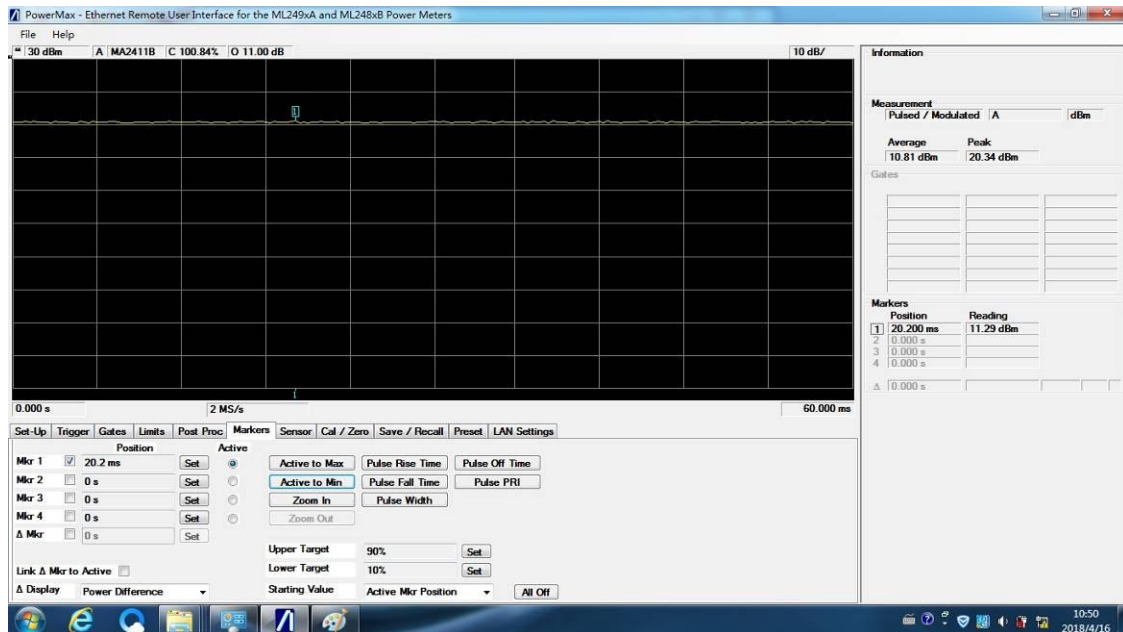
CH11



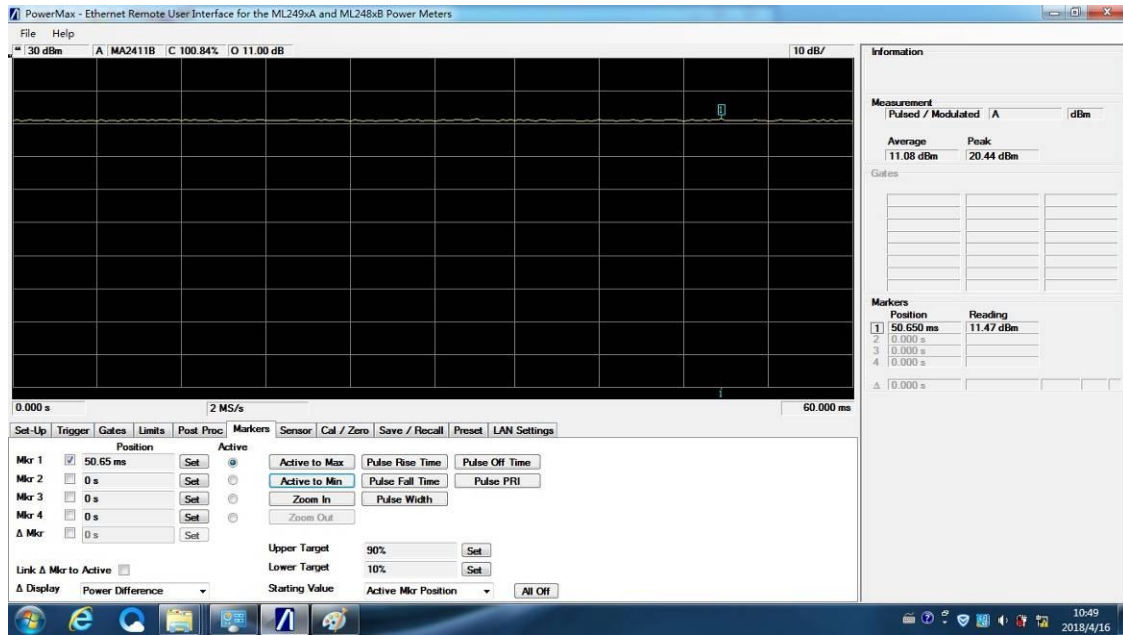
EUT :	50 寸顯示器	Model Name :	LE50K6500U
Temperature :	25 °C	Relative Humidity :	60%
Pressure :	1010 hPa	Test Voltage :	AC 110/60Hz
Test Mode :	CH01/ CH06 /CH11 (802.11g Data rate 6Mbps)		

Test Channel	Frequency (MHz)	Peak Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH01	2412 MHz	20.34	30	1
CH06	2437 MHz	20.44	30	1
CH11	2462 MHz	20.77	30	1

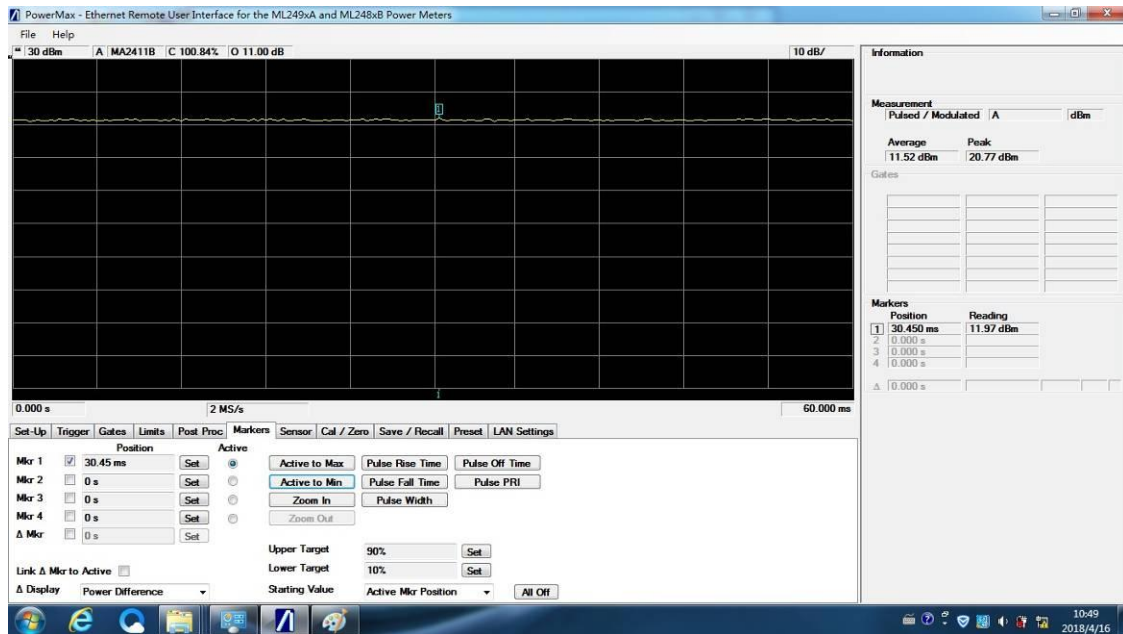
CH01



CH06



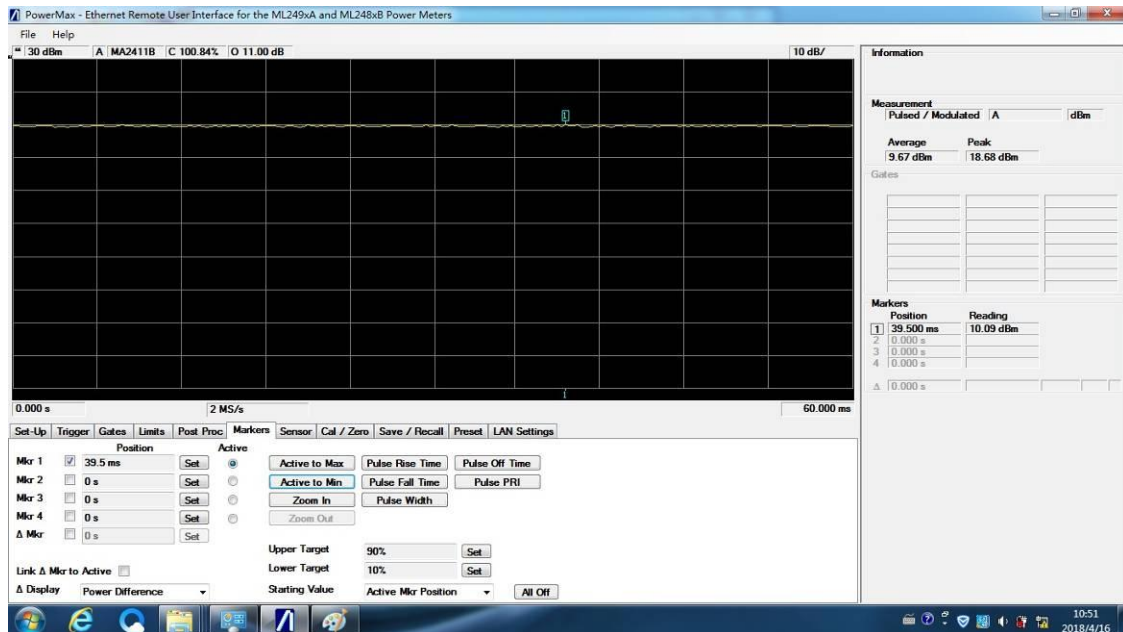
CH11



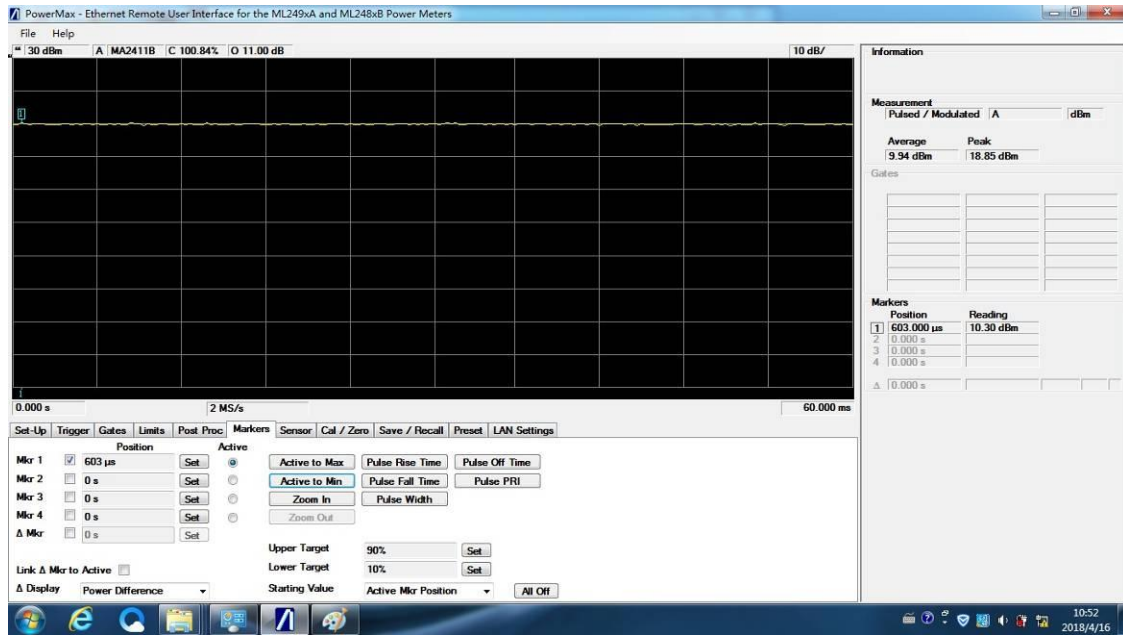
EUT :	50 寸顯示器	Model Name :	LE50K6500U
Temperature :	25 °C	Relative Humidity :	60%
Pressure :	1010 hPa	Test Voltage :	AC 110/60Hz
Test Mode :	CH01/ CH06 /CH11 (802.11n20 Data rate 6.5Mbps)		

Test Channel	Frequency (MHz)	Peak Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH01	2412 MHz	18.68	30	1
CH06	2437 MHz	18.85	30	1
CH11	2462 MHz	19.39	30	1

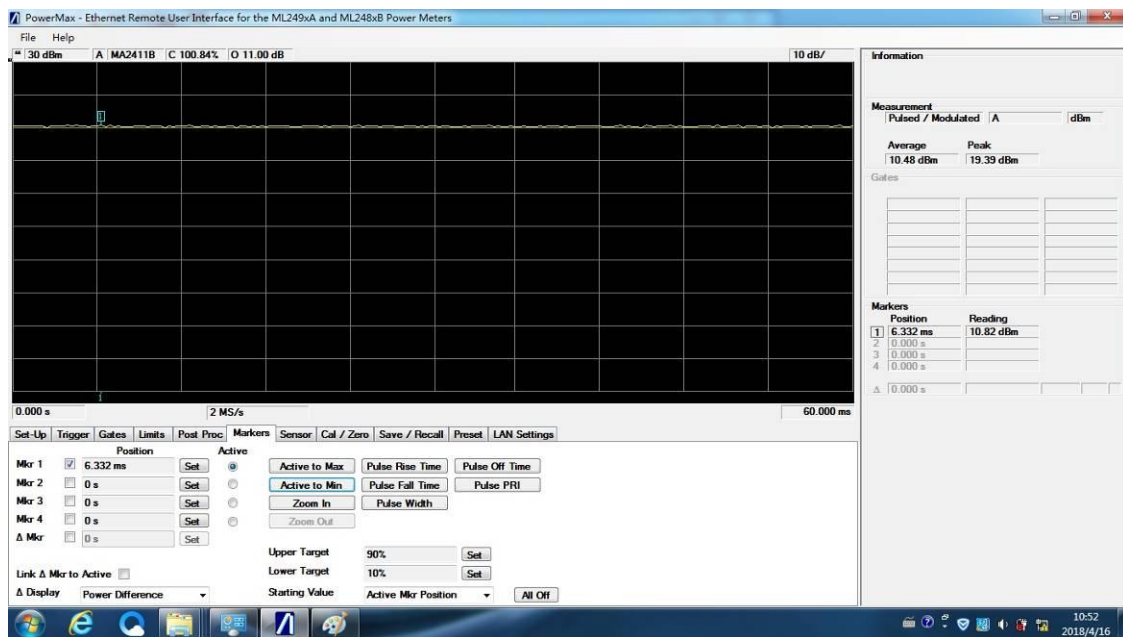
CH01



CH06



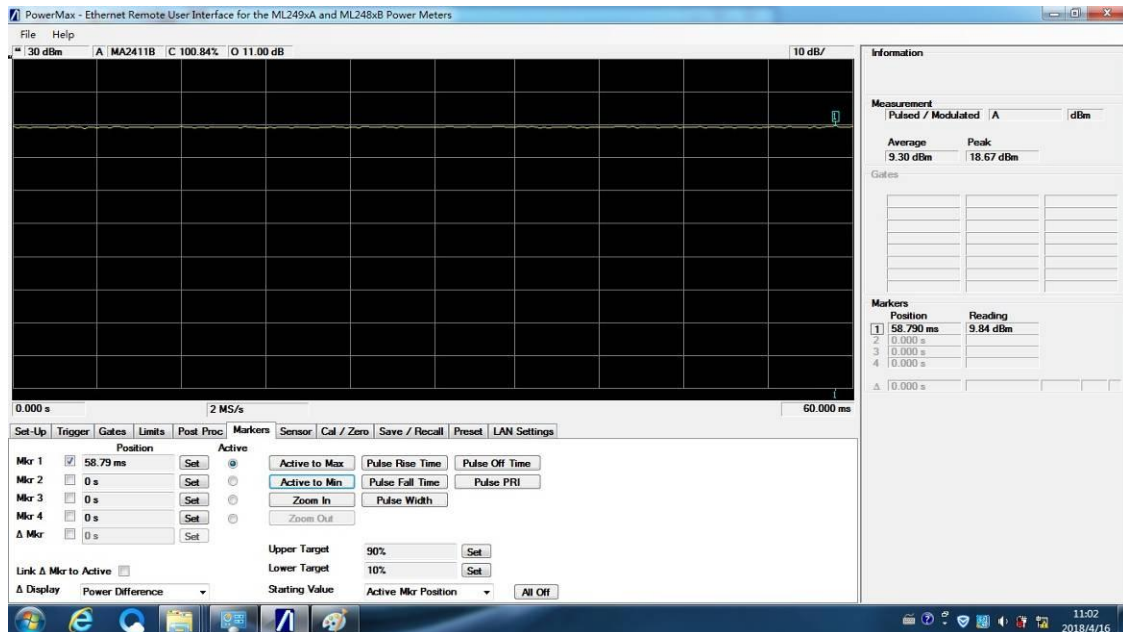
CH11



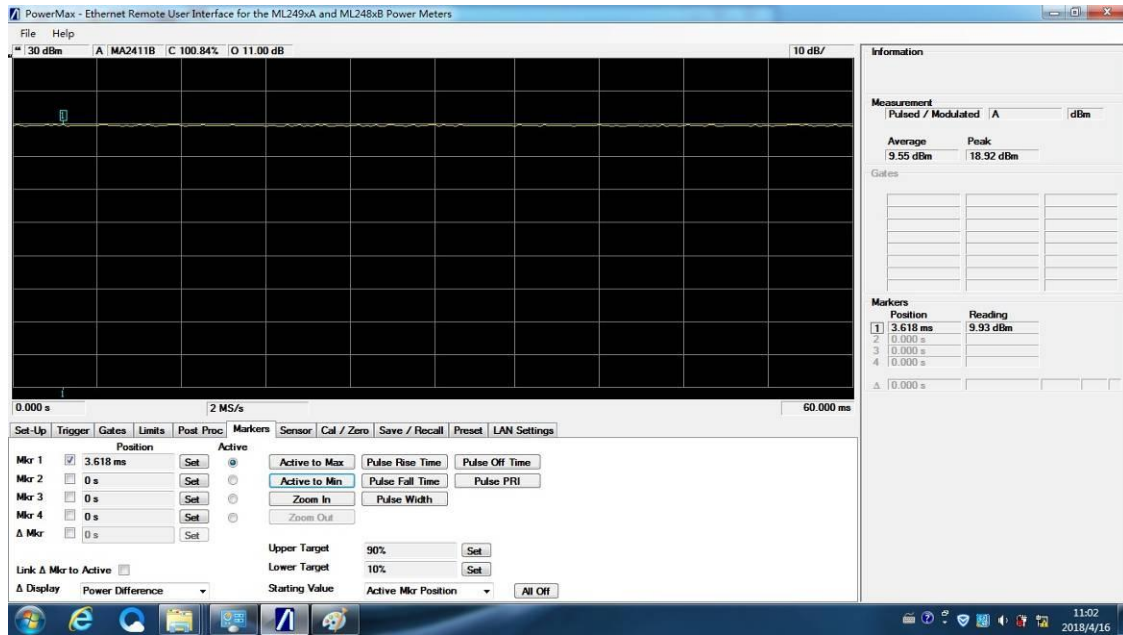
EUT :	50 寸顯示器	Model Name :	LE50K6500U
Temperature :	25 °C	Relative Humidity :	60%
Pressure :	1010 hPa	Test Voltage :	AC 110/60Hz
Test Mode :	CH03/ CH06 /CH09 (802.11n40 Data rate 13.5Mbps)		

Test Channel	Frequency (MHz)	Peak Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH01	2422 MHz	18.67	30	1
CH06	2437 MHz	18.92	30	1
CH11	2452 MHz	18.99	30	1

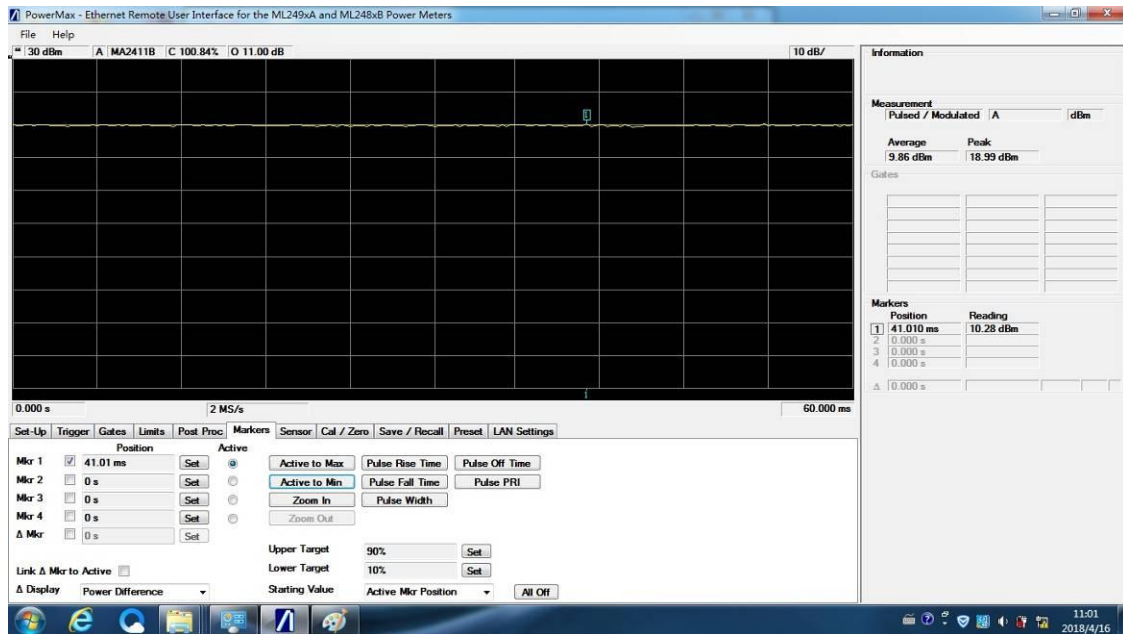
CH01



CH06



CH11



7. ANTENNA CONDUCTED SPURIOUS EMISSION

7.1 APPLIED PROCEDURES / LIMIT

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the modulation products of the spreading sequence, the information sequence and the carrier frequency 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 or shall not exceed the general levels specified in Section 2.8.

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
30~88	100	3
88~216	150	3
216~960	200	3
Above 960	500	3

The following table is the setting of the spectrum analyzer.

Spectrum Parameter	Setting
Attenuation	Auto
Span Frequency	100 MHz
RB / VB (emission in restricted band)	1MHz / 1MHz for Peak, 1 MHz / 10Hz for Average
RB / VB (other emission)	100 KHz /100 KHz for Peak

7.1.1 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=100KHz, Sweep time = Auto.

7.1.2 TEST SETUP



7.1.3 EUT OPERATION CONDITIONS

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

7.1.4 TEST RESULTS

EUT :	液晶顯示器	Model Name :	LE55Q6500U
Temperature :	25 °C	Relative Humidity :	60%
Pressure :	1010 hPa	Test Voltage :	AC 110/60Hz
Test Mode :	CH01/ CH11 (802.11b Data rate 1Mbps)		

in any 100kHz bandwidth outside the low frequency band	in any 100 kHz bandwidth outside the high frequency band
Pass	Pass

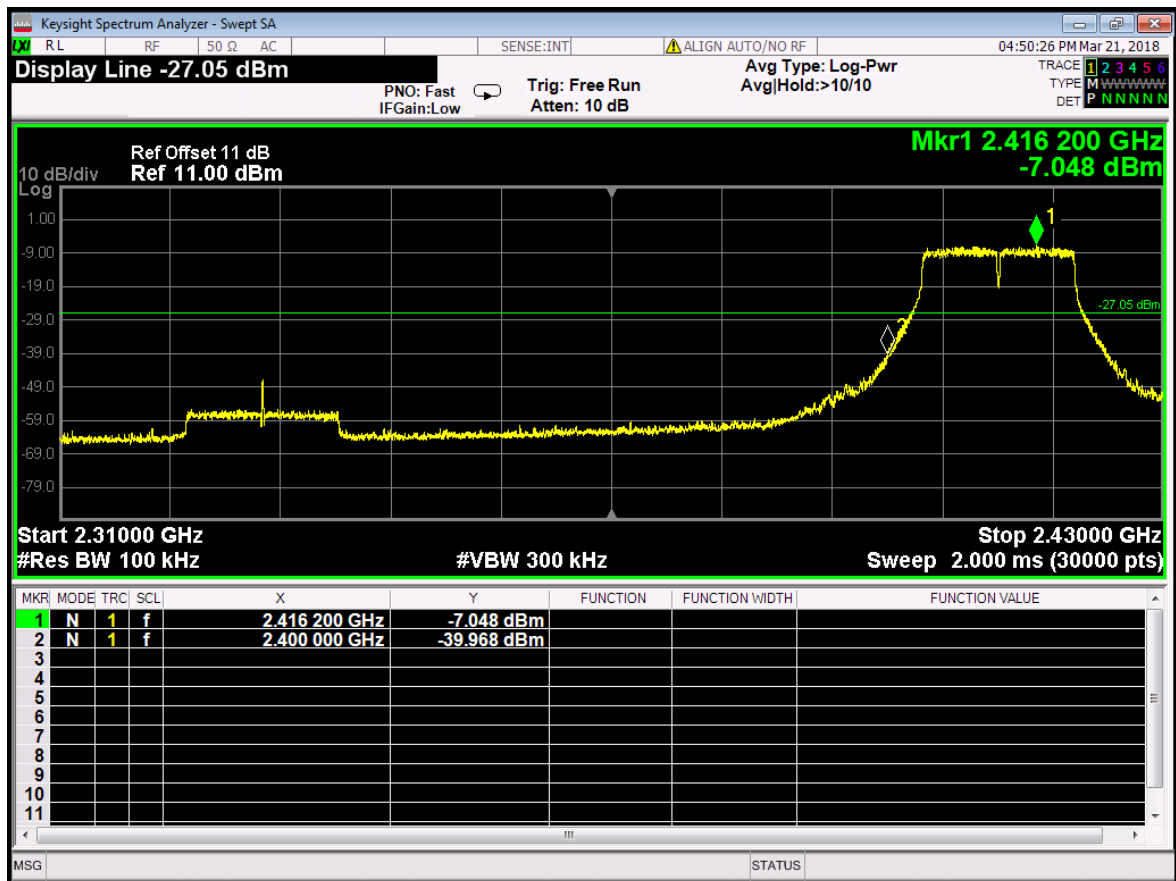
Result

In any 100kHz bandwidth outside the frequency band, the radio frequency power is at least 20dB below that in the 100kHz bandwidth within the band that contains the highest level of the desired power.

[illegible][illegible]

EUT :	液晶顯示器	Model Name :	LE55Q6500U
Temperature :	25 °C	Relative Humidity :	60%
Pressure :	1010 hPa	Test Voltage :	AC 110/60Hz
Test Mode :	CH01/ CH11 (802.11g Data rate 6Mbps)		

in any 100kHz bandwidth outside the low frequency band	in any 100 kHz bandwidth outside the high frequency band
Pass	Pass
Result	
In any 100kHz bandwidth outside the frequency band, the radio frequency power is at least 20dB below that in the 100kHz bandwidth within the band that contains the highest level of the desired power.	



EUT :	液晶顯示器	Model Name :	LE55Q6500U
Temperature :	25 °C	Relative Humidity :	60%
Pressure :	1010 hPa	Test Voltage :	AC 110/60Hz
Test Mode :	CH01/ CH11 (802.11n20 Data rate 6.5Mbps)		

in any 100kHz bandwidth outside the low frequency band	in any 100 kHz bandwidth outside the high frequency band
Pass	Pass
Result	
In any 100kHz bandwidth outside the frequency band, the radio frequency power is at least 20dB below that in the 100kHz bandwidth within the band that contains the highest level of the desired power.	

Keysight Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO/NO RF 04:58:09 PM Mar 21, 2018

Display Line -27.55 dBm

PNO: Fast IFGain:Low Trig: Free Run Atten: 10 dB Avg Type: Log-Pwr Avg|Hold:>10/10

TRACE 1 2 3 4 5 6
TYPE M
P NNNNN

Ref Offset 11 dB
Ref 11.00 dBm

10 dB/div
Log

Mkr1 2.409 187 GHz
-7.552 dBm

-27.55 dBm

Start 2.31000 GHz
#Res BW 100 kHz

Stop 2.43000 GHz
Sweep 2.000 ms (30000 pts)

#VBW 300 kHz

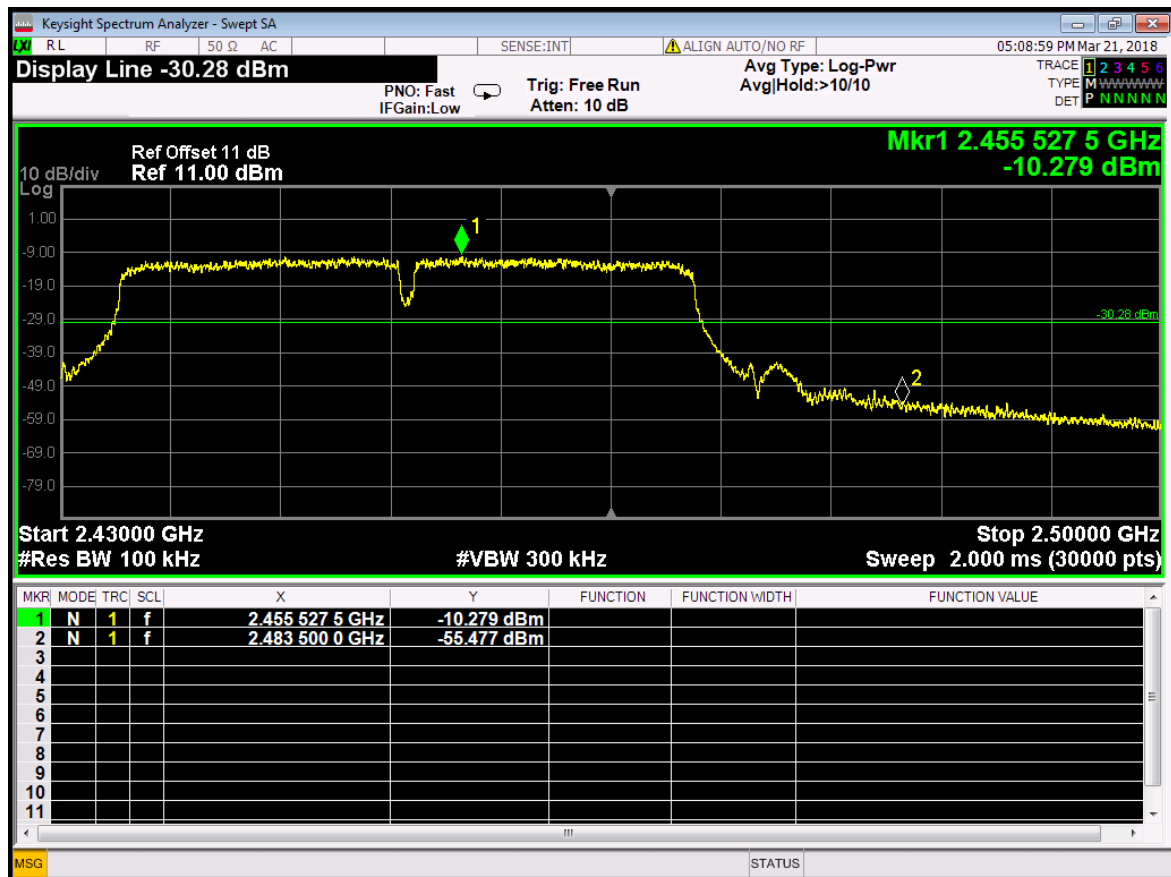
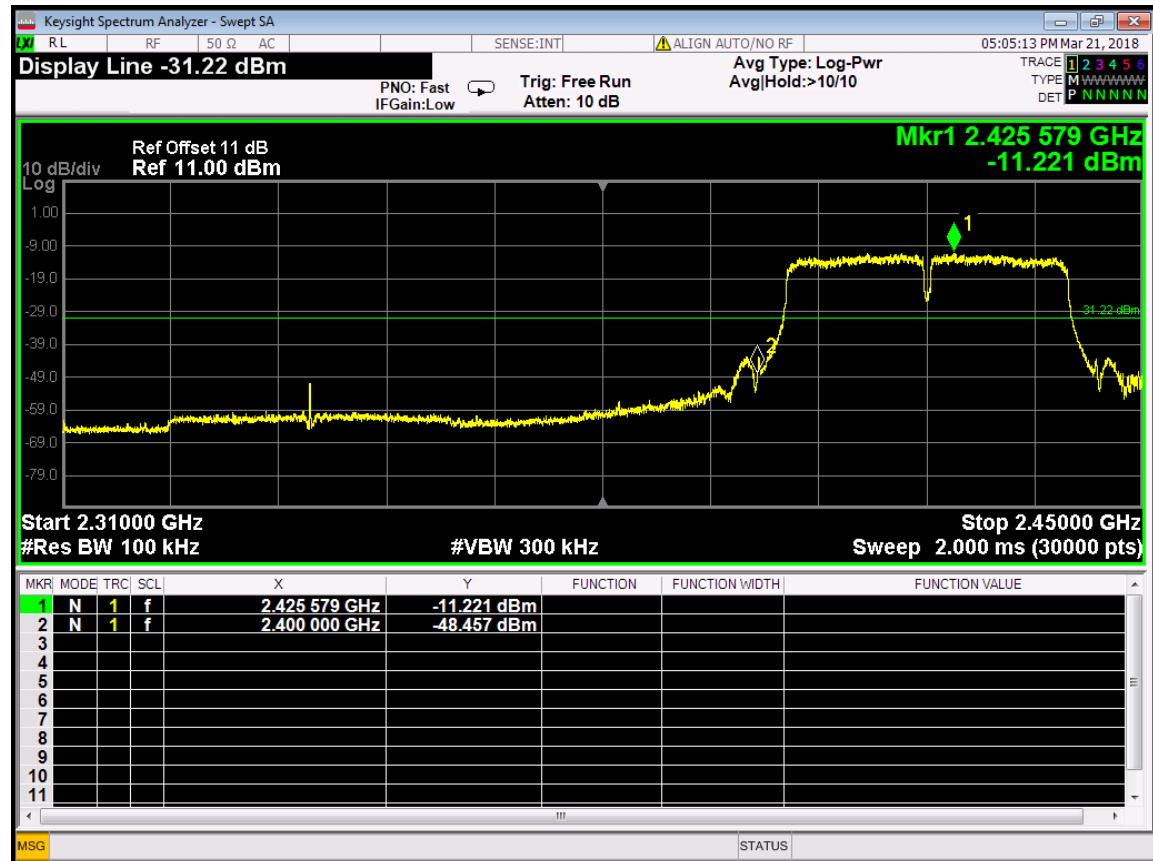
MRK	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	2.409 187 GHz	-7.552 dBm			
2	N	1	f	2.400 000 GHz	-40.774 dBm			
3								
4								
5								
6								
7								
8								
9								
10								
11								

MSG STATUS

[illegible]

EUT :	液晶顯示器	Model Name :	LE55Q6500U
Temperature :	25 °C	Relative Humidity :	60%
Pressure :	1010 hPa	Test Voltage :	AC 110/60Hz
Test Mode :	CH01/ CH11 (802.11n40 Data rate 13.5Mbps)		

in any 100kHz bandwidth outside the low frequency band	in any 100 kHz bandwidth outside the high frequency band
Pass	Pass
Result	
In any 100kHz bandwidth outside the frequency band, the radio frequency power is at least 20dB below that in the 100kHz bandwidth within the band that contains the highest level of the desired power.	



9. ANTENNA REQUIREMENT

9.1 STANDARD REQUIREMENT

3.10.1 requirement: Systems operating in the 2400-2483.5 MHz band that is used exclusively for fixed. Point-to-point operations may employ transmitting antennas with directional gain greater than 6dBi provided the maximum conducted output power of the intentional radiator is reduced by 1 dB for every 3 dB that the directional gain of the antenna exceeds 6dBi.

9.2 EUT ANTENNA

The antenna is embedded antenna and no consideration of replacement. Antenna max gain is 0.6dBi from 2.4GHz to 2.5GHz.

10. EUT TEST PHOTO

**Radiated Measurement Photos
30MHz-1GHz**



**Radiated Measurement Photos
1GHz-18GHz**



Conducted Measurement Photos

