FCC&IC Radio Test Report

FCC ID: SIB-BGTAB-NV20A

IC: 6719D-BGTABNV20A

This report concerns (check one): ■ **Original Grant** □ **Class II Change**

Project No.	**:**	1407C097
Equipment	**:**	dreamtab
Model Name	:	BGTAB-NV20A
Applicant	**:**	Foxconn International Inc
Address	**:**	NO 2 ZIYOU ST TUCHENG DISTRICT NEW TAIPEI Taiwan 236

Date of Receipt	**:**	Jul. 04, 2014
Date of Test	**:**	Jul. 04, 2014~ Jul. 25, 2014
Issued Date	**:**	Jul. 28, 2014
Tested by	**:**	BTL Inc.

Testing Engineer : David Mao
(David Mao)

Technical Manager : Leo Hung
(Leo Hung)

Authorized Signatory : Steven Lu
(Steven Lu)

BTL INC.

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Declaration

BTL represents to the client that testing is done in accordance with standard procedures as applicable and that test instruments used has been calibrated with the standards traceable to National Measurement Laboratory (**NML**) of **R.O.C**, or National Institute of Standards and Technology (**NIST**) of **U.S.A.**

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Limitation

For the use of the authority's logo is limited unless the Test Standard(s)/Scope(s)/Item(s) mentioned in this test report is (are) included in the conformity assessment authorities acceptance respective.

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REPORT ISSUED HISTORY

Issued No.	Description	Issued Date
NEI-FICP-4-1407C097	Original Issue.	Jul. 28, 2014

1. CERTIFICATION

Equipment	:	dreamtab
Brand Name	:	FUHU
Model Name	:	BGTAB-NV20A
Applicant		Foxconn International Inc.
Manufacturer	:	FUHU INC
Address	:	909N., Sepulveda Blvd., Suite 540, E1 Segundo, CA 90245
Factory	:	HONGFUJIN Precision Electronics (Chong Qing) Co., Ltd.
Address	:	No.1, 1st E District RD., Shapingba District, Chongqing 401332, P.R. China
Date of Test	:	Jul. 04, 2014~ Jul. 25, 2014
Test Item	:	ENGINEERING SAMPLE
Standard(s)	:	FCC Part15, Subpart C(15.247) / ANSI C63.4-2009 Canada RSS-210:2010 RSS-GEN Issue 3, Dec 2010

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. NEI-FICP-4-1407C097) 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 **Canada RSS-210:2010; RSS-GEN Issue 3, Dec 2010**				
Standard(s) Section		Test Item	Judgment	Remark
FCC	**IC**			
15.207	RSS-GEN 7.2.2	Conducted Emission	PASS	
15.247(d)	RSS-210 Annex 8 (A8.5)	Antenna conducted Spurious Emission	PASS	
15.247(a)(2)	RSS-210 Annex 8 (A8.2(a))	6dB Bandwidth	PASS	
15.247(b)(3)	RSS-210 Annex 8 (A8.4(4))	Peak Output Power	PASS	
15.247(e)	RSS-210 Annex 8 (A8.2(b))	Power Spectral Density	PASS	
15.203	-	Antenna Requirement	PASS	
15.209/15.205	RSS-210 Annex 8 (A8.5)	Transmitter Radiated Emissions	PASS	

NOTE:

(1)" N/A" denotes test is not applicable in this test report.

(2) The test follows FCC KDB Publication No. 558074 D01 DTS Meas Guidance v03r02 (Measurement Guidelines of DTS)

2.1 TEST FACILITY

The test facilities used to collect the test data in this report is **DG-C02/DG-CB03** at the location of No.3,Jinshagang 1st Road, ShiXia, Dalang Town, Dong Guan, China.523792
BTL's test firm number for FCC: 319330
BTL's test firm number for IC: 4428B-1

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 reported uncertainty of measurement y ± U，where expended uncertainty U is based on a standard uncertainty multiplied by a coverage factor of k=2，providing a level of confidence of approximately 95 %。

A. Conducted Measurement :

Test Site	Method	Measurement Frequency Range	U，(dB)	NOTE
DG-C02	CISPR	150 KHz ~ 30MHz	1.94	

B. Radiated Measurement :

Test Site	Method	Measurement Frequency Range	Ant. H / V	U，(dB)	NOTE
DG-CB03	CISPR	9KHz~30MHz	V	3.79	
		9KHz~30MHz	H	3.57	
		30MHz ~ 200MHz	V	3.82	
		30MHz ~ 200MHz	H	3.60	
		200MHz ~ 1,000MHz	V	3.86	
		200MHz ~ 1,000MHz	H	3.94	
		1GHz~18GHz	V	3.12	
		1GHz~18GHz	H	3.68	
		18GHz~40GHz	V	4.15	
		18GHz~40GHz	H	4.14	

3. GENERAL INFORMATION

3.1 GENERAL DESCRIPTION OF EUT

Equipment	dreamtab	
Brand Name	FUHU	
Model Name	BGTAB-NV20A	
Model Difference	N/A	
Product Description	Operation Frequency	5745~5825 MHz
	Modulation Technology	802.11a/n:OFDM
	Bit Rate of Transmitter	300Mbps
	Output Power (Max.)	802.11a: 21.73 dBm 802.11n(20MHz): 23.53 dBm 802.11n(40MHz):23.30 dBm
Power Source	#1 DC supplied from AC Adapter. Model: ADS-65LSI-19-3 19065G #2 Supplied from rechargeable Li-ion polymer battery. Brand / Model: McNair / MLP2462113-4S	
Power Rating	#1 I/P AC 100-240V~ 50/60Hz 1.5A O/P: DC 19V 3.42A #2 14.8V 1650mAh 24.42Wh	
Connecting I/O Port(s)	Please refer to the User's Manual	

Note:

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

2.

802.11a / 802.11n 20M					
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
149	**5745**	153	5765	**157**	**5785**
161	5805	**165**	**5825**		

802.11n 40M			
Channel	Frequency (MHz)	Channel	Frequency (MHz)
151	**5755**	**159**	**5795**

3. Table for Filed Antenna

The product has 2 group antenna: MAG Corporation and FOXCONN .

Group 1

Ant.	Manufacturer	Model Name	Antenna Type	Connector	Gain (dBi)	Note
1	FOXCONN	PCA-3007-25GC1-A3	PIFA	N/A	1.29	320mm
2	FOXCONN	PCA-3007-25GC1-A4	PIFA	N/A	-0.05	600mm

Group 2

Ant.	Manufacturer	Model Name	Antenna Type	Connector	Gain (dBi)	Note
1	MAG Corporation	PCA-3007-25GC1-A3	PIFA	N/A	4.13	320mm
2	MAG Corporation	PCA-3007-25GC1-A4	PIFA	N/A	-0.78	600mm

3.2 DESCRIPTION OF TEST MODES

To investigate the maximum EMI emission characteristics generates from EUT, the test system was pre-scanning tested base on the consideration of following EUT operation mode or test configuration mode which possible have effect on EMI emission level. Each of these EUT operation mode(s) or test configuration mode(s) mentioned above was evaluated respectively.

Pretest Mode	Description
Mode 1	TX A MODE CHANNEL 149/157/165
Mode 2	TX N-20MHZ MODE CHANNEL 149/157/165
Mode 3	TX N-40MHZ MODE CHANNEL 151/159
Mode 4	TX MODE

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 4	TX MODE

For Radiated Test	
Final Test Mode	Description
Mode 1	TX A MODE CHANNEL 149/157/165
Mode 2	TX N-20MHZ MODE CHANNEL 149/157/165
Mode 3	TX N-40MHZ MODE CHANNEL 151/159

Note:

(1) For radiated below 1G test, the 802.11a is found to be the worst case and recorded.

(2) The EUT is considered a portable unit; it was pre-tested on the positioned of each 3 axis. The worst case was found positioned on Z-plane. Therefore only the test data of this Z-plane was used for radiated emission measurement test.

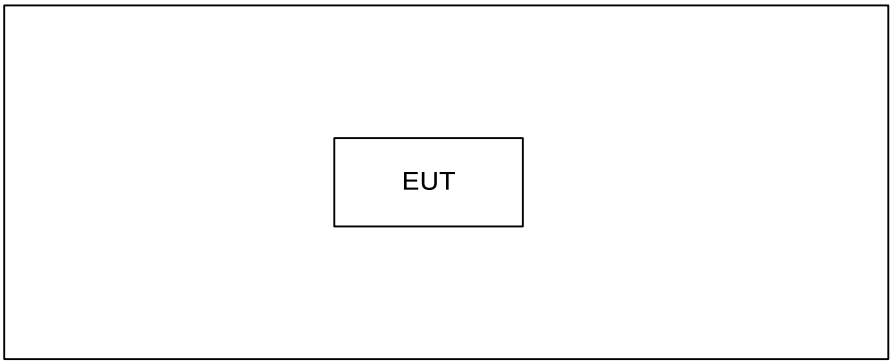
3.3 TABLE OF PARAMETERS OF TEXT SOFTWARE SETTING

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	N/A		
Frequency	**5745 MHz**	**5785 MHz**	**5825 MHz**
IEEE 802.11a	14	14	14
IEEE 802.11 n (20MHz)	13	13	13

Test software version	N/A	
Frequency	**5755 MHz**	**5795 MHz**
IEEE 802.11 n (40MHz)	14	13

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	Series No.	Note
-	-	-	-	-	-	-

Item	Shielded Type	Ferrite Core	Length	Note
-	-	-	-	-

4. EMC EMISSION TEST

4.1 CONDUCTED EMISSION MEASUREMENT

4.1.1 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	79.00	66.00	66 - 56 *	56 - 46 *	CISPR
0.50 -5.0	73.00	60.00	56.00	46.00	CISPR
5.0 -30.0	73.00	60.00	60.00	50.00	CISPR
0.15 -0.5	79.00	66.00	66 - 56 *	56 - 46 *	FCC
0.50 -5.0	73.00	60.00	56.00	46.00	FCC
5.0 -30.0	73.00	60.00	60.00	50.00	FCC

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

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 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.

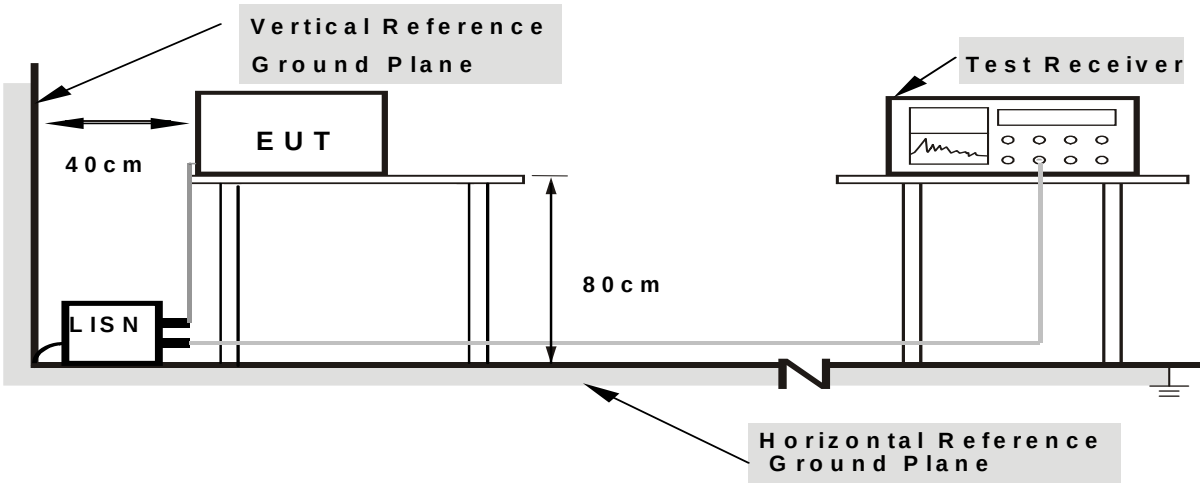
d. LISN at least 80 cm from nearest part of EUT chassis.

e. For the actual test configuration, please refer to the related Item –EUT Test Photos.

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 fashion (as a customer would normally use it). The EUT has been programmed to continuously transmit during test. This operating condition was tested and used to collect the included data.

4.1.6 EUT TEST CONDITIONS

Temperature: 25°C
Relative Humidity: 55%
Test Voltage: DC14.8V

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。

4.2 RADIATED EMISSION MEASUREMENT

4.2.1 RADIATED EMISSION LIMITS (Frequency Range 9KHz-1000MHz)

20dB in any 100 KHz bandwidth outside the operating frequency band. In case the emission fall within the restricted band specified on 15.205(a) & RSS-210 section 2.2& Annex 8 (A8.5), then the 15.209(a)& RSS-Gen limit in the table below has to be followed.

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).

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

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

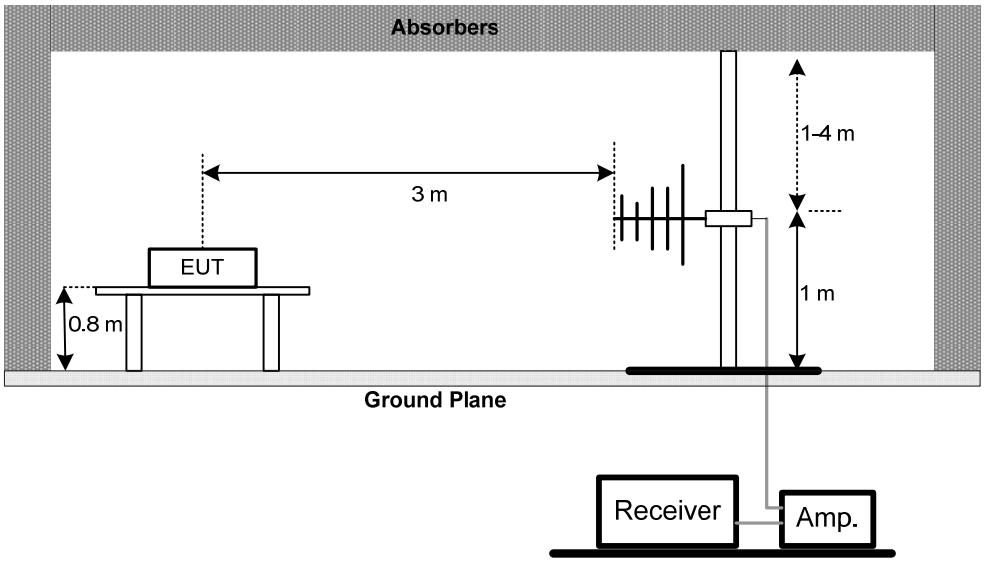
a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(below 1GHz)
b. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter fully-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(above 1GHz)
c. 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.
d. The initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
e. If the Peak Mode measured value compliance with and lower than Quasi Peak Mode Limit, the EUT shall be deemed to meet QP Limits and then no additional QP Mode measurement performed.
f. For the actual test configuration, please refer to the related Item –EUT Test Photos.

4.2.3 DEVIATION FROM TEST STANDARD

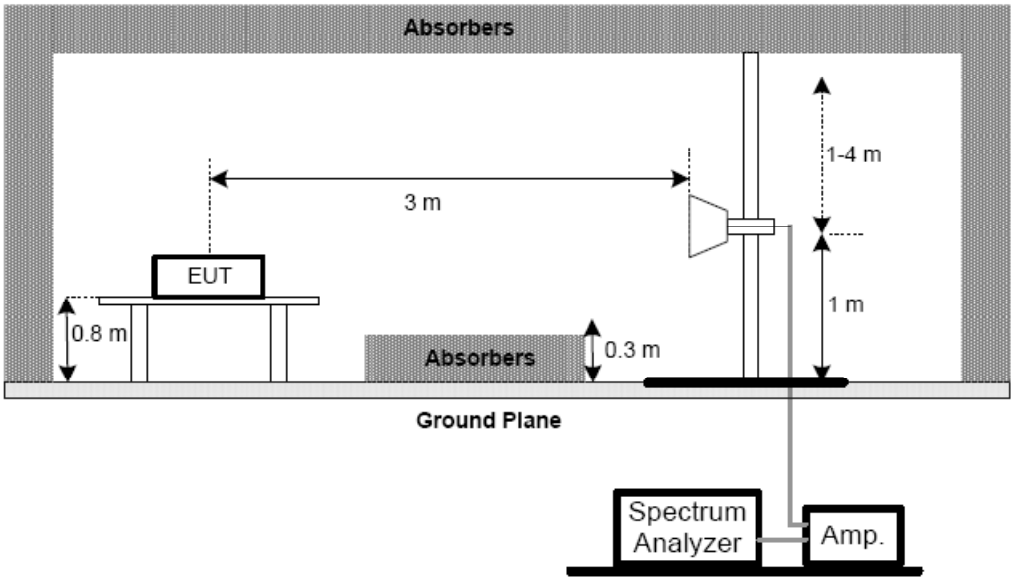
No deviation

4.2.4 TEST SETUP

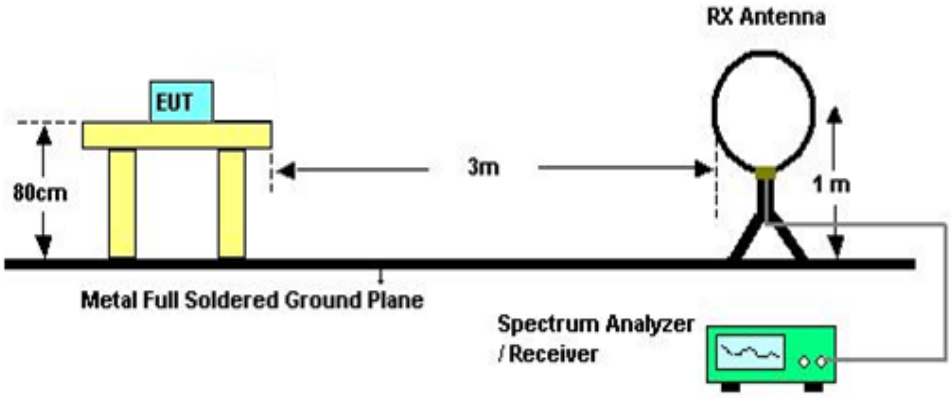
(A) Radiated Emission Test Set-Up Frequency Below 1 GHz



(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 **4.1.6** 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: 55%
Test Voltage: DC14.8V

4.2.7 TEST RESULTS (9K TO 30MHZ)

Please refer to the Attachment B

4.2.8 TEST RESULTS (BETWEEN 30 TO 1000 MHZ)

Please refer to the Attachment C

Remark:

(1) Reading in which marked as QP or Peak means measurements by using are Quasi-Peak Mode or Peak Mode with Detector BW=120KHz ; SPA setting in RBW=120KHz, VBW =120KHz, Swp. Time = 0.3 sec./MHz.
(2) 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.
(3) Measuring frequency range from 30MHz to 1000MHz.
(4) 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) Data of measurement within this frequency range shown " * " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

(4) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.

(5) EUT Orthogonal Axis:
"X" - denotes Laid on Table; "Y" - denotes Vertical Stand; "Z" - denotes Side Stand

(6) 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

5. BANDWIDTH TEST

5.1 Applied procedures

FCC Part15 (15.247) , Subpart C/ RSS-GEN and RSS-210			
Section	Test Item	Frequency Range (MHz)	Result
15.247(a)(2) RSS-GEN section 4.6.1 RSS-210 Annex 8 (A8.2(a))	Bandwidth	5725 - 5825	PASS

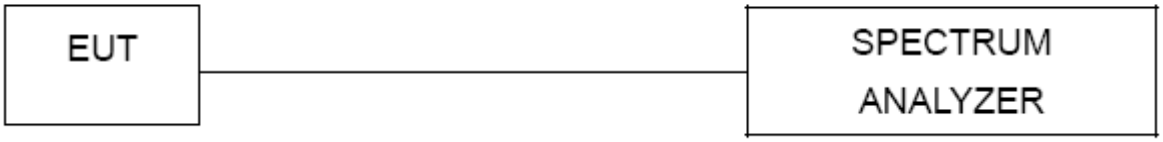
5.1.1 TEST PROCEDURE

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 = Auto.

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 4.1.6 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: 55%
Test Voltage: DC14.8V

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/ RSS-210				
Section	Test Item	Limit	Frequency Range (MHz)	Result
15.247(b)(3) RSS-210 Annex 8.4(4)	Maximum Output Power	1 Watt or 30dBm	5725 - 5825	PASS

6.1.1 TEST PROCEDURE

a. The EUT was directly connected to the power meter and antenna output port as show in the block diagram below,
b. The maximum peak conducted output power was performed in accordance with method 9.1.3 of FCC KDB 558074 D01 DTS Meas Guidance v03r02.

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 4.1.6 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: 55%
Test Voltage: DC14.8V

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 intentional radiator is operating, the radio frequency power that is produced by the intentional radiator 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 measurement, provided the transmitter demonstrates compliance with the peak conducted power limits.

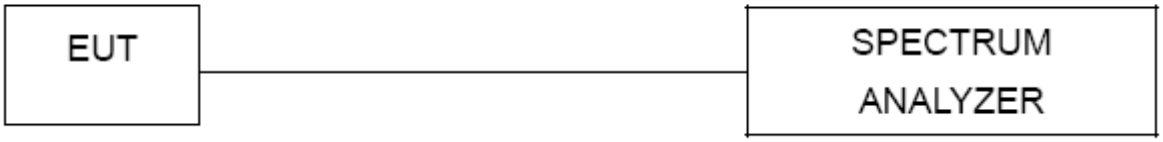
7.1.1 TEST PROCEDURE

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 = Auto.

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 4.1.6 Unless otherwise a special operating condition is specified in the follows during the testing.

7.1.5 EUT TEST CONDITIONS

Temperature: 25°C
Relative Humidity: 55%
Test Voltage: DC14.8V

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 / RSS-210				
Section	Test Item	Limit	Frequency Range (MHz)	Result
15.247(e) RSS-210 Annex 8(A8.2(b))	Power Spectral Density	8 dBm (in any 3KHz)	5745 - 5825	PASS

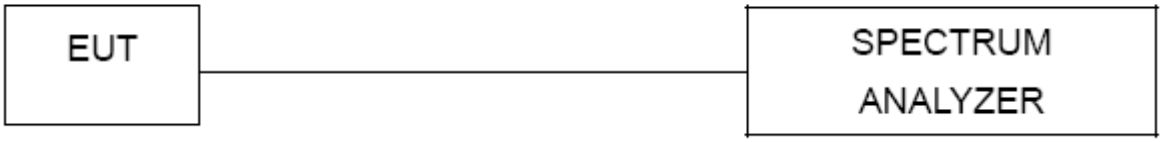
8.1.1 TEST PROCEDURE

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=3KHz, VBW=10KHz, 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 4.1.6 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: 55%
Test Voltage: DC14.8V

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	LISN	EMCO	3816/2	00052765	Mar. 29, 2015
2	LISN	R&S	ENV216	101447	Mar. 29, 2015
3	Test Cable	N/A	C_17	N/A	Mar. 14, 2015
4	EMI TEST RECEIVER	R&S	ESCS30	833364/017	Mar. 29, 2015
5	50Ω Terminator	SHX	TF2-3G-A	08122902	Mar. 29, 2015

Radiated Emission Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Antenna	EMCO	3142C	00066462	Mar. 29, 2015
2	Antenna	EMCO	3142C	00066464	Mar. 29, 2015
3	Amplifier	Agilent	8447D	2944A11203	Nov. 11, 2014
4	Amplifier	Agilent	8447D	2944A11204	Nov. 11, 2014
5	Spectrum Analyzer	Agilent	E4443A	MY48250370	Nov. 11, 2014
6	RF Pre-selector	Agilent	N9039A	MY46520201	Nov. 11, 2014
7	Test Cable	N/A	Cable_5m_8m_15m	N/A	Jan. 14, 2015
8	Test Cable	N/A	Cable_5m_11m_15m	N/A	Jan. 14, 2015
9	Spectrum Analyzer	Agilent	E4447A	MY48250208	Nov. 11, 2014
10	RF Pre-selector	Agilent	N9039A	MY46520214	Nov. 11, 2014
11	Multi-Device Controller	ETS-Lindgren	2090	N/A	N/A
12	Horn Antenna	EMCO	3115	9605-4803	Mar. 29, 2015
13	Amplifier	Agilent	8449B	3008A02584	Nov. 11, 2014
14	Spectrum Analyzer	Agilent	E4447A	MY48250208	Nov. 11, 2014
15	Test Cable	Huber+Suhner	SUCOFLEX_15m_4m	N/A	Jan. 14, 2015
16	Multi-Device Controller	ETS-Lindgren	2090	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	100185	Nov. 11, 2014

Peak Output Power Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	P-series Power meter	Agilent	N1911A	MY45100473	Mar. 29, 2015
2	Wireband Power sensor	Agilent	N1921A	MY51100041	Mar. 29, 2015

Antenna Conducted Spurious Emission Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP 40	100185	Nov. 11, 2014

Power Spectral Density Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP 40	100185	Nov. 11, 2014

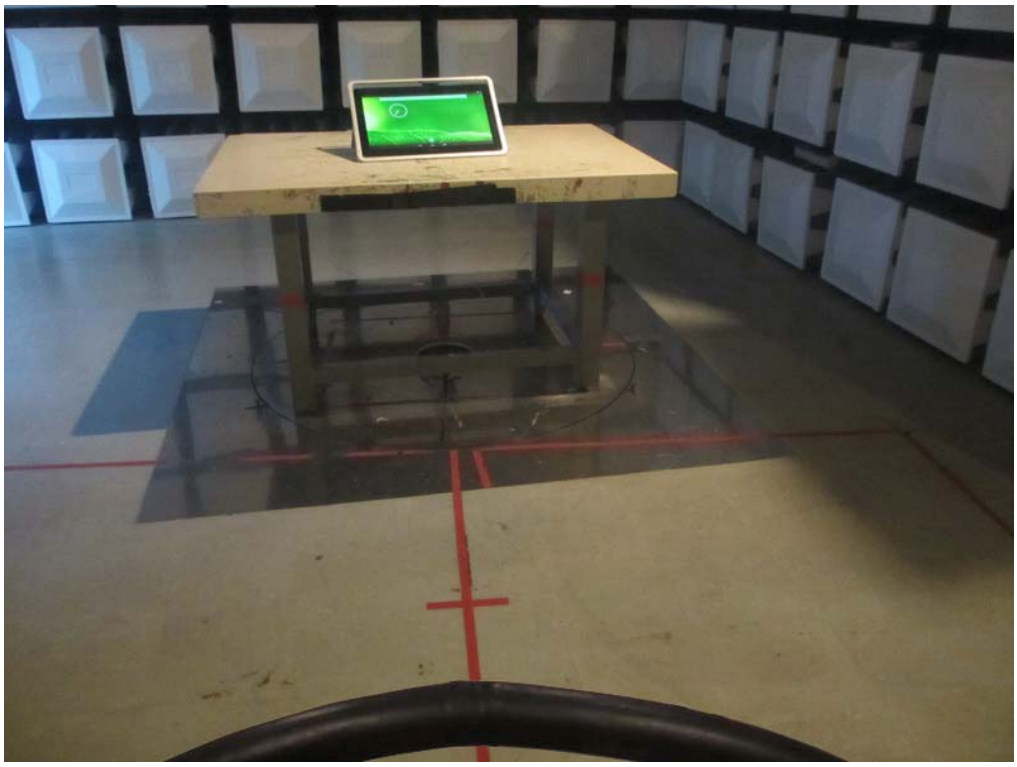
Remark: ”N/A” denotes no model name, serial no. or calibration specified.
All calibration period of equipment list is one year.

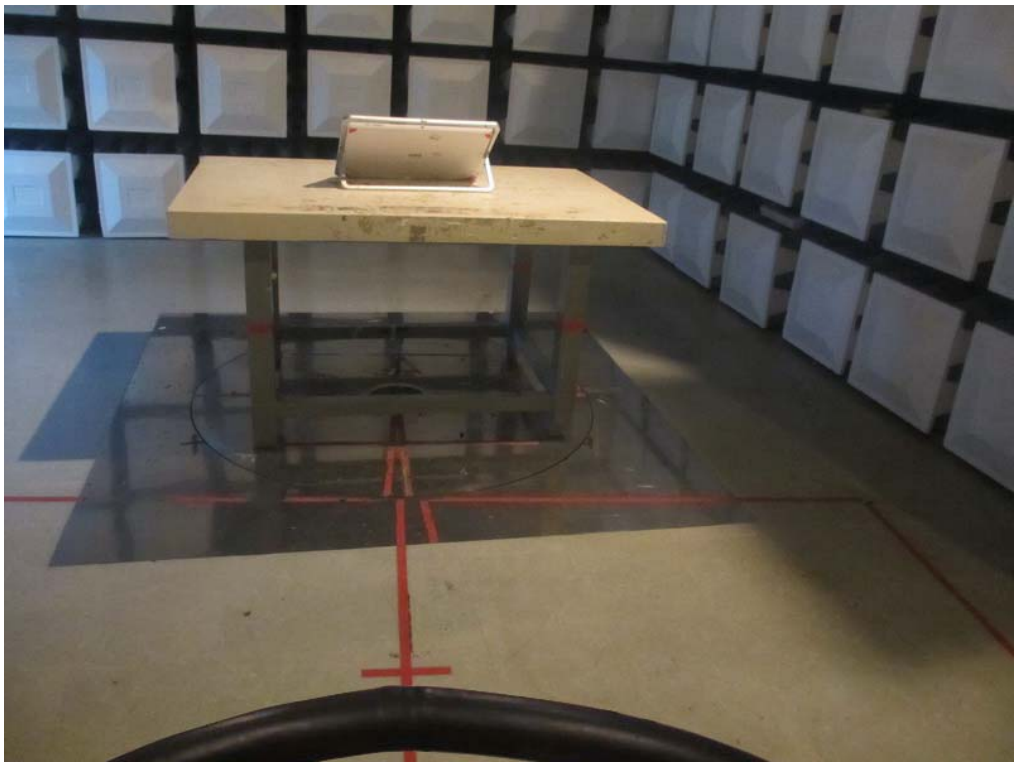
10. EUT TEST PHOTO

Conducted Measurement Photos

Radiated Measurement Photos

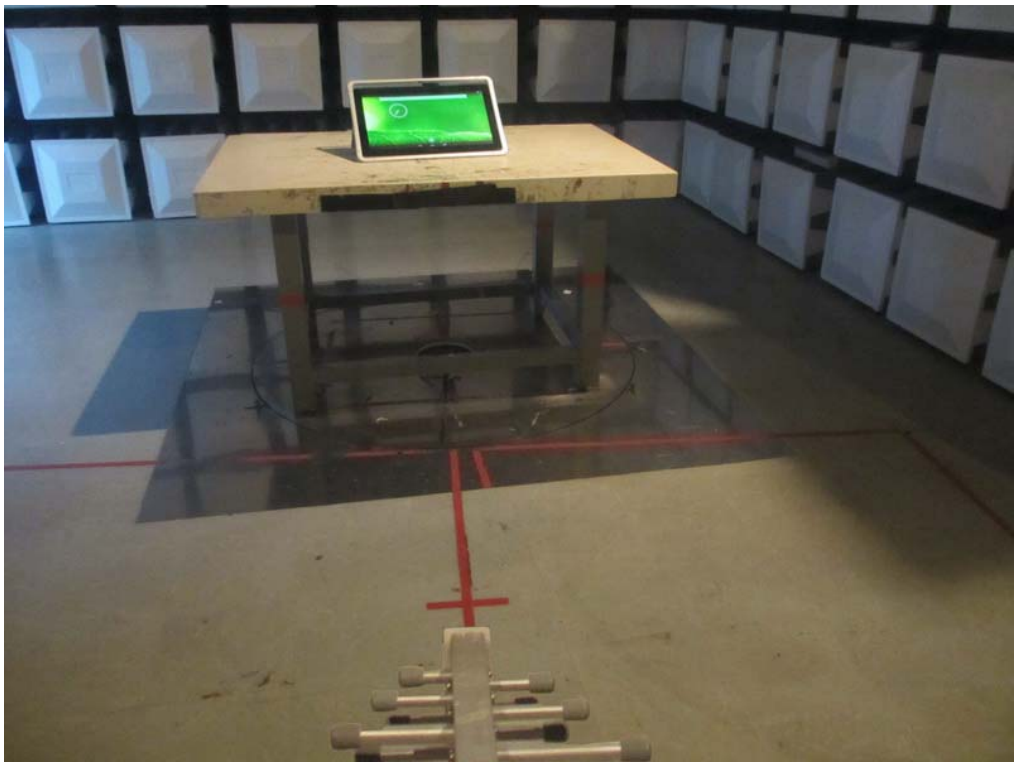
9KHz to 30MHz





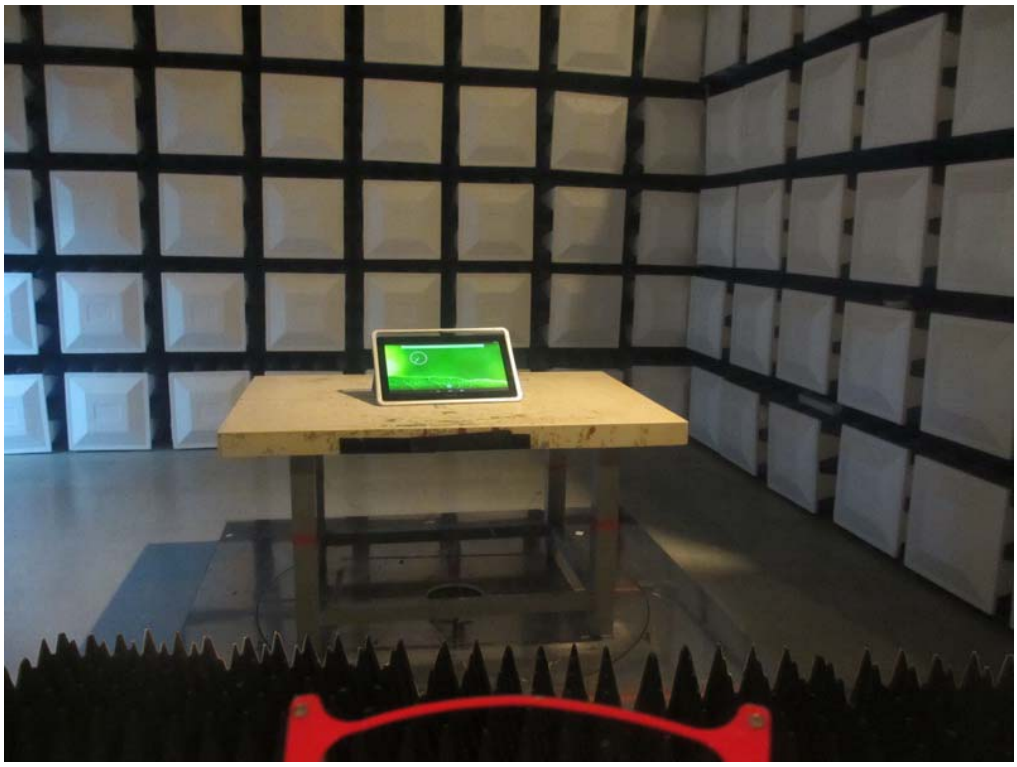
Radiated Measurement Photos

30MHz to 1000MHz



Radiated Measurement Photos

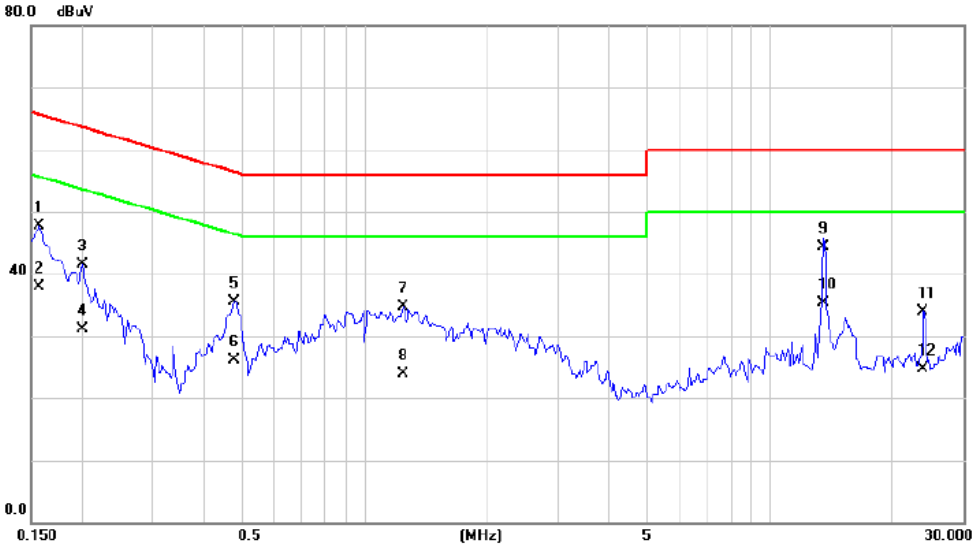
Above 1000MHz



ATTACHMENT A - CONDUCTED EMISSION

Test Mode:	TX Mode

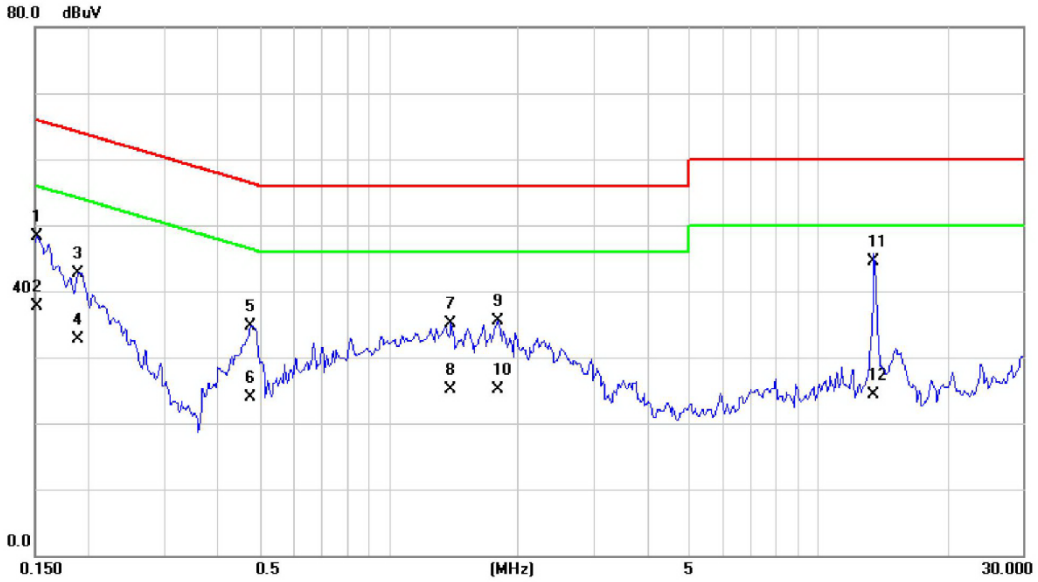
Line



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1577	38.10	9.52	47.62	65.58	-17.96	QP	
2		0.1577	28.34	9.52	37.86	55.58	-17.72	AVG	
3		0.2006	32.01	9.54	41.55	63.59	-22.04	QP	
4		0.2006	21.64	9.54	31.18	53.59	-22.41	AVG	
5		0.4781	25.83	9.69	35.52	56.37	-20.85	QP	
6		0.4781	16.37	9.69	26.06	46.37	-20.31	AVG	
7		1.2437	24.99	9.71	34.70	56.00	-21.30	QP	
8		1.2437	14.29	9.71	24.00	46.00	-22.00	AVG	
9		13.6013	34.08	10.19	44.27	60.00	-15.73	QP	
10	*	13.6013	25.16	10.19	35.35	50.00	-14.65	AVG	
11		24.0000	23.42	10.55	33.97	60.00	-26.03	QP	
12		24.0000	14.07	10.55	24.62	50.00	-25.38	AVG	

Test Mode:	TX Mode

Neutral



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1514	38.71	9.63	48.34	65.92	-17.58	QP	
2		0.1514	28.11	9.63	37.74	55.92	-18.18	AVG	
3		0.1890	33.01	9.61	42.62	64.08	-21.46	QP	
4		0.1890	23.16	9.61	32.77	54.08	-21.31	AVG	
5		0.4781	25.09	9.64	34.73	56.37	-21.64	QP	
6		0.4781	14.33	9.64	23.97	46.37	-22.40	AVG	
7		1.3960	25.40	9.70	35.10	56.00	-20.90	QP	
8		1.3960	15.37	9.70	25.07	46.00	-20.93	AVG	
9		1.7943	25.69	9.73	35.42	56.00	-20.58	QP	
10		1.7943	15.31	9.73	25.04	46.00	-20.96	AVG	
11	*	13.5152	34.25	10.23	44.48	60.00	-15.52	QP	
12		13.5152	14.16	10.23	24.39	50.00	-25.61	AVG	

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

Test Mode ：	TX Mode

Freq. (MHz)	Ant. 0°/90°	Reading(RA) (dBuV)	Corr.Factor(CF) (dB)	Measured(FS) (dBuV/m)	Limits(QP) (dBuV/m)	Margin (dB)	Note
0.0094	0°	68.24	24.30	92.54	128.12	-35.58	AVG
0.0094	0°	72.17	24.30	96.47	148.12	-51.65	PEAK
0.0138	0°	70.22	24.30	94.52	124.81	-30.29	AVG
0.0138	0°	79.65	24.30	103.95	144.81	-40.86	PEAK
0.0245	0°	56.46	24.02	80.48	119.82	-39.35	AVG
0.0245	0°	60.09	24.02	84.11	139.82	-55.72	PEAK
0.0313	0°	61.25	23.58	84.83	117.69	-32.86	AVG
0.0313	0°	65.54	23.58	89.12	137.69	-48.57	PEAK
0.5680	0°	18.48	20.02	38.50	72.52	-34.02	QP
1.7543	0°	18.38	19.52	37.90	69.54	-31.64	QP

Freq. (MHz)	Ant. 0°/90°	Reading(RA) (dBuV)	Corr.Factor(CF) (dB)	Measured(FS) (dBuV/m)	Limits(QP) (dBuV/m)	Margin (dB)	Note
0.0094	90°	76.64	24.30	100.94	128.18	-27.24	AVG
0.0094	90°	82.52	24.30	106.82	148.18	-41.36	PEAK
0.0237	90°	56.41	24.07	80.48	120.11	-39.63	AVG
0.0237	90°	59.21	24.07	83.28	140.11	-56.83	PEAK
0.0308	90°	57.25	23.62	80.87	117.83	-36.97	AVG
0.0308	90°	58.17	23.62	81.79	137.83	-56.05	PEAK
0.0426	90°	59.36	22.87	82.23	115.02	-32.79	AVG
0.0426	90°	63.23	22.87	86.10	135.02	-48.92	PEAK
0.4911	90°	17.55	19.82	37.37	73.78	-36.41	QP
1.7155	90°	18.67	19.53	38.20	69.54	-31.34	QP

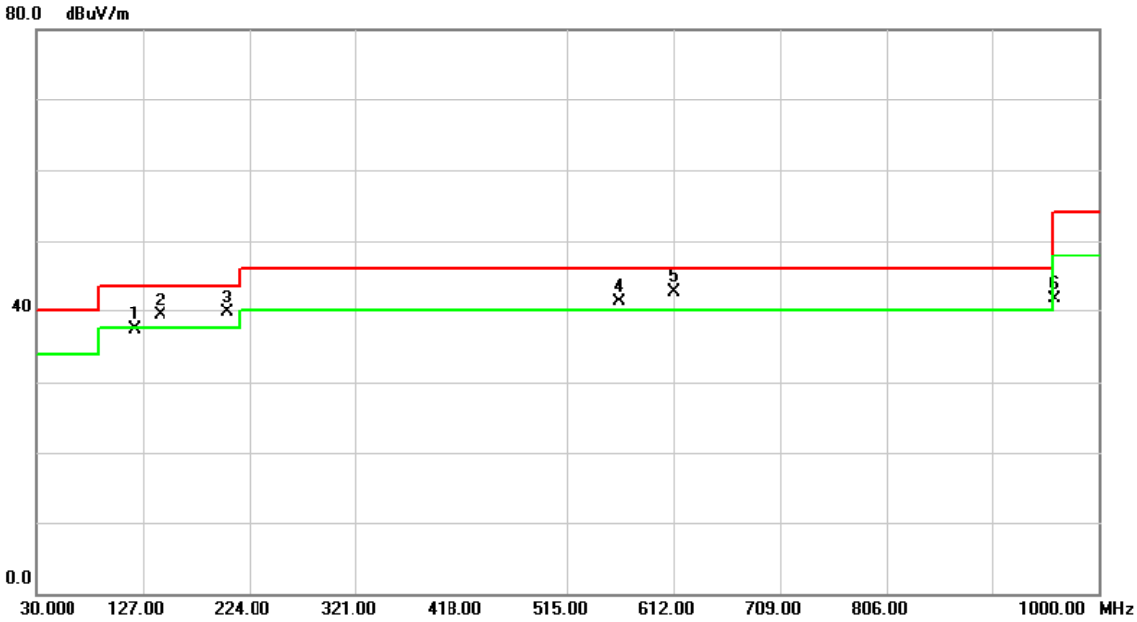
Remark:

(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 (specific distance / test distance) (dB);
(3) Limit line = specific limits (dBuV) + distance extrapolation factor.

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

Test Mode:	TX A MODE 5745MHz

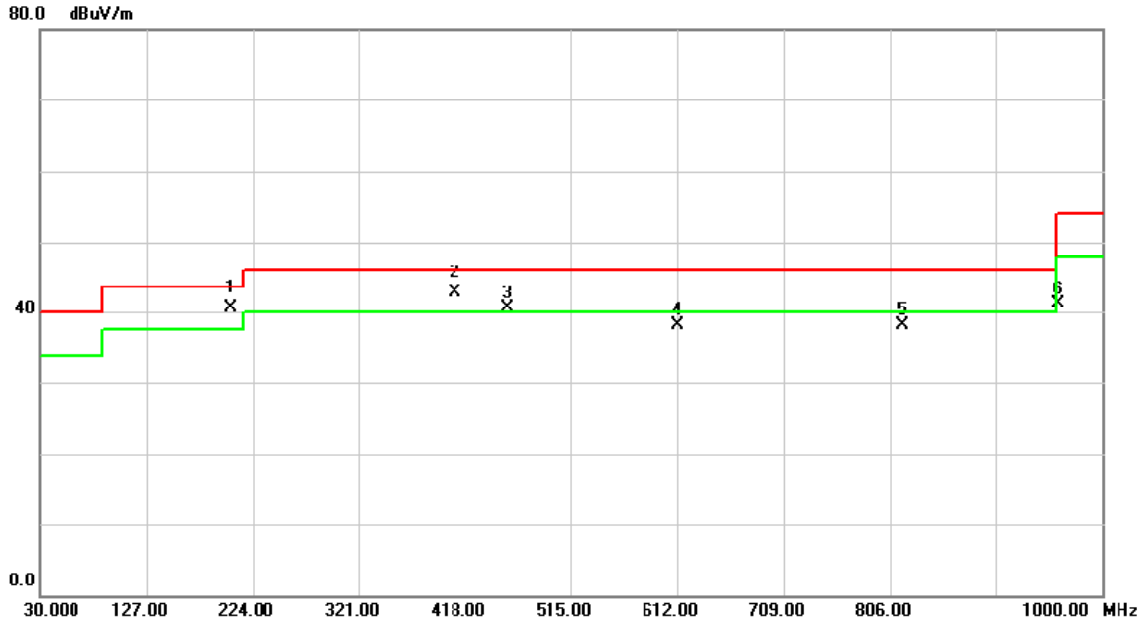
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		119.2400	54.16	-16.77	37.39	43.50	-6.11	peak	
2	!	142.5200	53.85	-14.50	39.35	43.50	-4.15	peak	
3	!	203.6300	56.59	-16.94	39.65	43.50	-3.85	peak	
4	!	561.5600	49.21	-7.88	41.33	46.00	-4.67	peak	
5	*	612.0000	49.56	6.79	42.77	46.00	3.23	peak	
6		960.2300	43.85	-2.19	41.66	54.00	-12.34	peak	

Test Mode:	TX A MODE 5745MHz

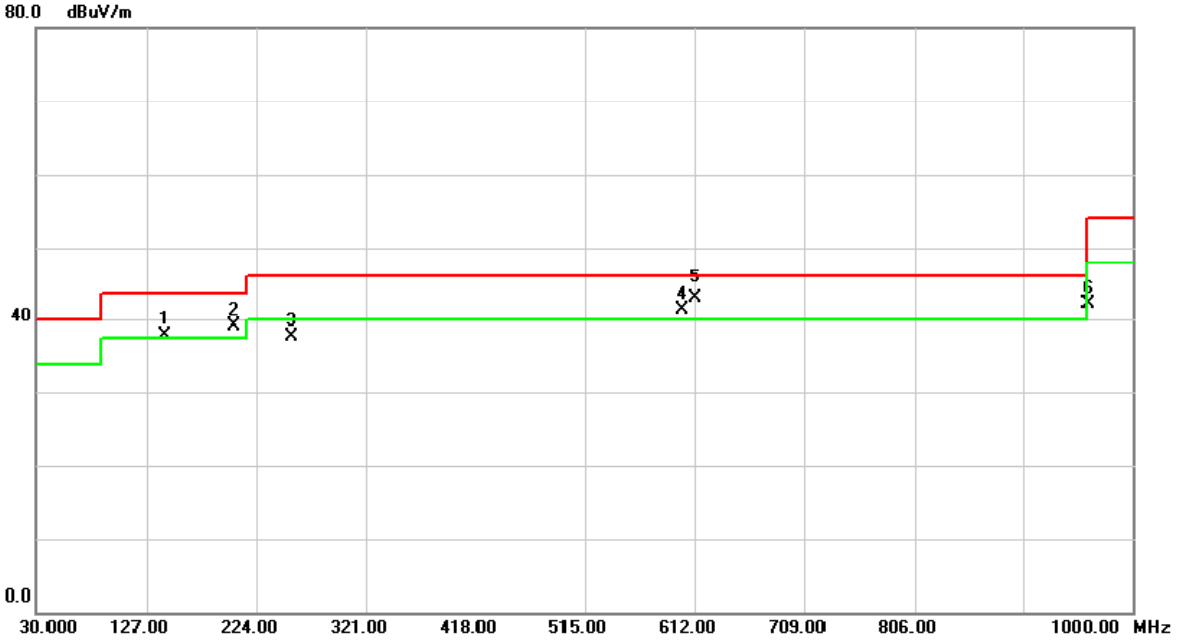
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	203.6300	57.36	-16.94	40.42	43.50	-3.08	QP	
2	!	408.3000	53.58	-10.95	42.63	46.00	-3.37	QP	
3	!	456.8000	50.28	-9.73	40.55	46.00	-5.45	peak	
4		612.0000	44.82	-6.79	38.03	46.00	-7.97	peak	
5		816.6700	42.67	-4.57	38.10	46.00	-7.90	peak	
6		960.2300	43.28	-2.19	41.09	54.00	-12.91	peak	

Test Mode:	TX A MODE 5785MHz

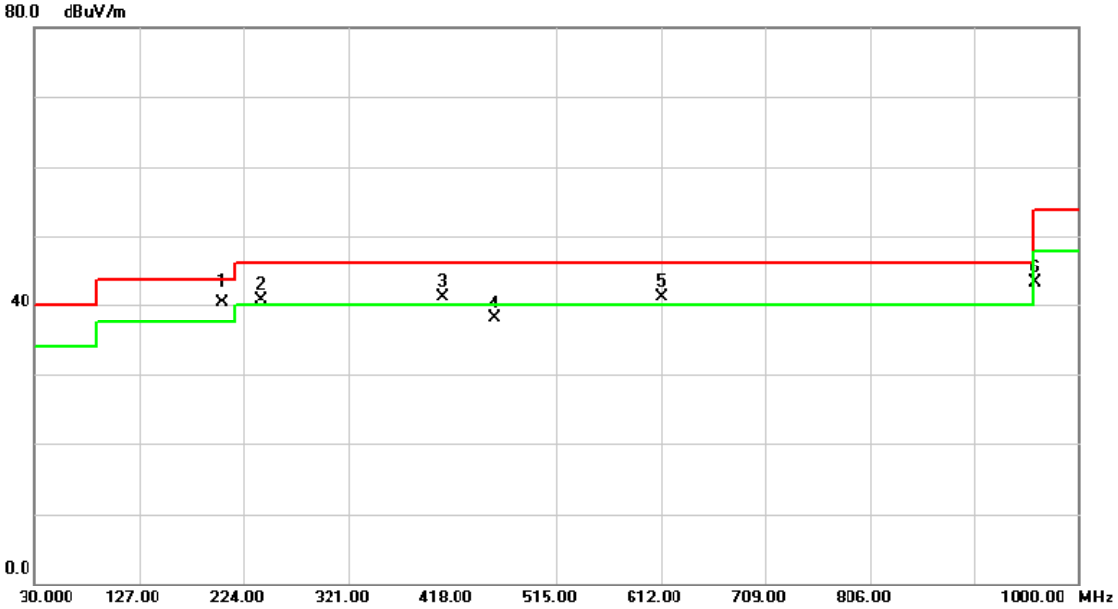
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	!	142.5200	52.35	-14.50	37.85	43.50	-5.65	peak	
2	!	203.6300	56.09	-16.94	39.15	43.50	-4.35	peak	
3		256.0100	52.43	-14.70	37.73	46.00	-8.27	peak	
4	!	601.3300	48.13	-6.76	41.37	46.00	-4.63	peak	
5	*	612.0000	49.74	-6.79	42.95	46.00	-3.05	QP	
6		960.2300	44.35	-2.19	42.16	54.00	-11.84	peak	

Test Mode:	TX A MODE 5785MHz

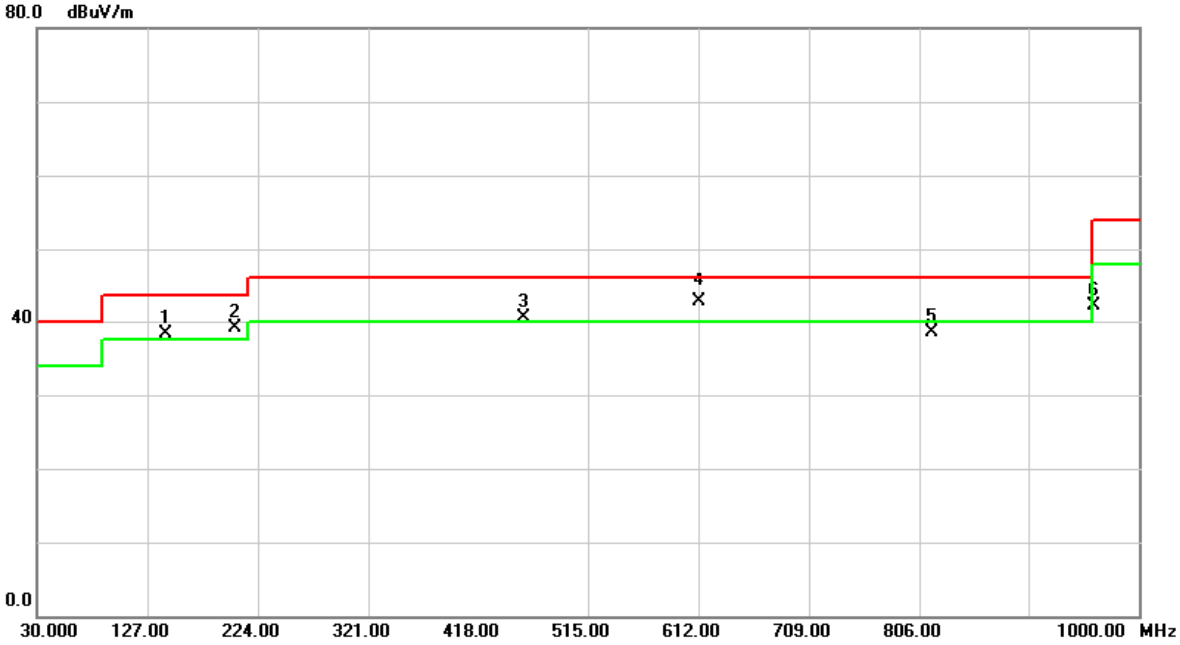
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	203.6300	57.15	-16.94	40.21	43.50	-3.29	QP	
2	!	239.5200	56.12	-15.50	40.62	46.00	-5.38	peak	
3	!	408.3000	52.02	-10.95	41.07	46.00	-4.93	peak	
4		456.8000	47.78	-9.73	38.05	46.00	-7.95	peak	
5	!	612.0000	47.82	-6.79	41.03	46.00	-4.97	peak	
6		960.2300	45.20	-2.19	43.09	54.00	-10.91	peak	

Test Mode:	TX A MODE 5825MHz

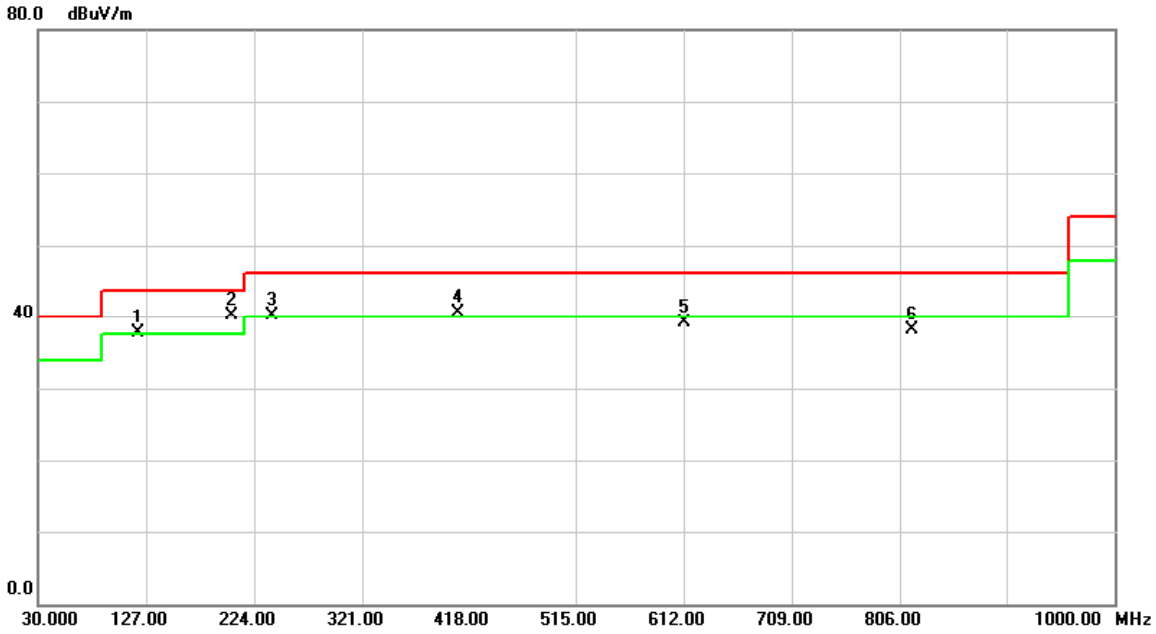
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	!	142.5200	52.85	-14.50	38.35	43.50	-5.15	peak	
2	!	203.6300	56.09	-16.94	39.15	43.50	-4.35	peak	
3	!	458.7400	50.27	-9.72	40.55	46.00	-5.45	peak	
4	*	612.0000	49.46	-6.79	42.67	46.00	-3.33	QP	
5		816.6700	43.03	-4.57	38.46	46.00	-7.54	peak	
6		960.2300	44.35	-2.19	42.16	54.00	-11.84	peak	

Test Mode:	TX A MODE 5825MHz

Horizontal

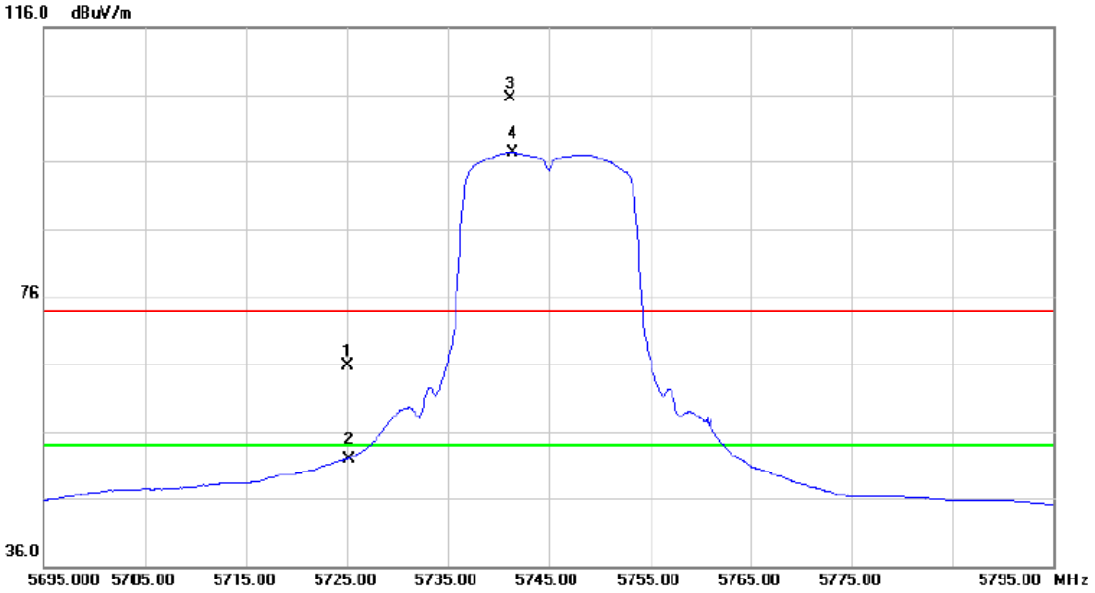


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	!	119.2400	54.50	-16.77	37.73	43.50	-5.77	peak	
2	*	203.6300	57.07	-16.94	40.13	43.50	-3.37	peak	
3	!	239.5200	55.62	-15.50	40.12	46.00	-5.88	peak	
4	!	408.3000	51.52	-10.95	40.57	46.00	-5.43	peak	
5		612.0000	45.82	-6.79	39.03	46.00	-6.97	peak	
6		816.6700	42.67	-4.57	38.10	46.00	-7.90	peak	

ATTACHMENT D - RADIATED EMISSION (ABOVE 1000MHZ)

Orthogonal Axis :	X
Test Mode :	TX A Mode 5745MHz

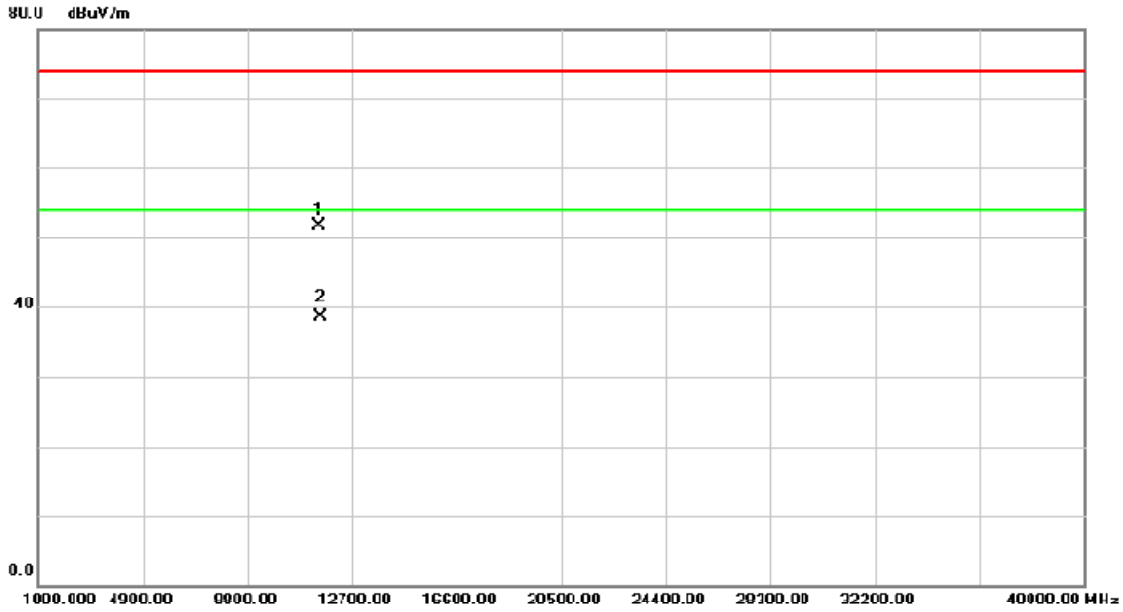
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		5725.000	21.19	44.58	65.77	74.00	-8.23	peak	
2		5725.000	7.41	44.58	51.99	54.00	-2.01	AVG	
3	X	5741.200	60.92	44.66	105.58	74.00	31.58	peak	Fundamental frequency, no limit
4	*	5741.400	52.66	44.66	97.32	54.00	43.32	AVG	Fundamental frequency, no limit

Orthogonal Axis :	X
Test Mode :	TX A Mode 5745MHz

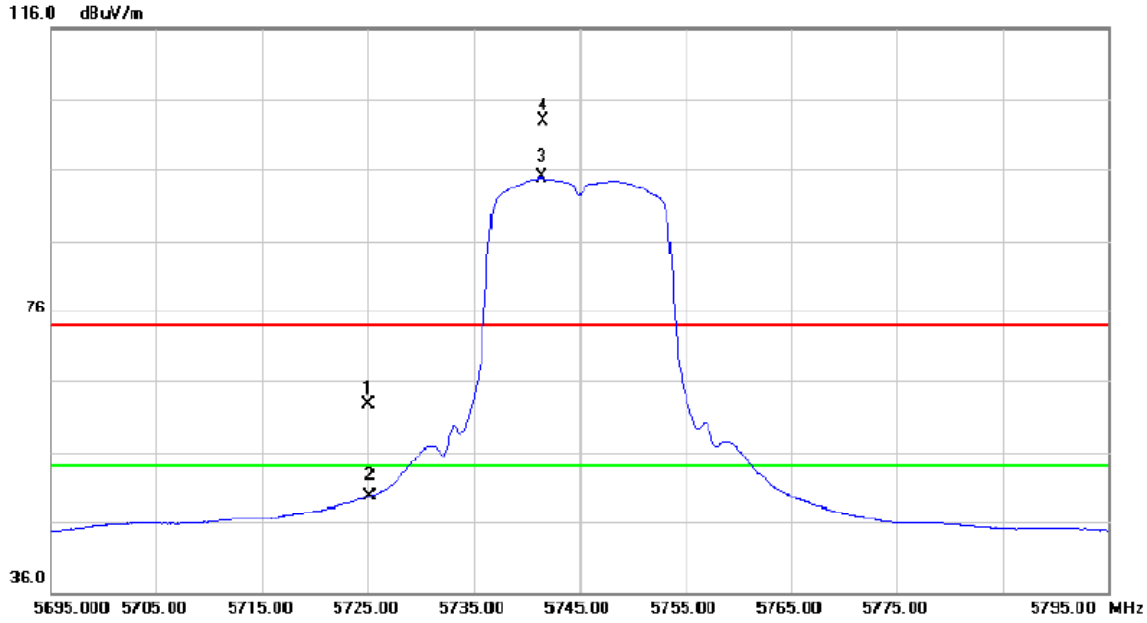
Vertical



No	Mk	Freq	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		11490.17	37.42	14.25	51.67	74.00	-22.33	peak	
2	*	11490.17	24.24	14.25	38.49	54.00	-15.51	AVG	

Orthogonal Axis :	X
Test Mode :	TX A Mode 5745MHz

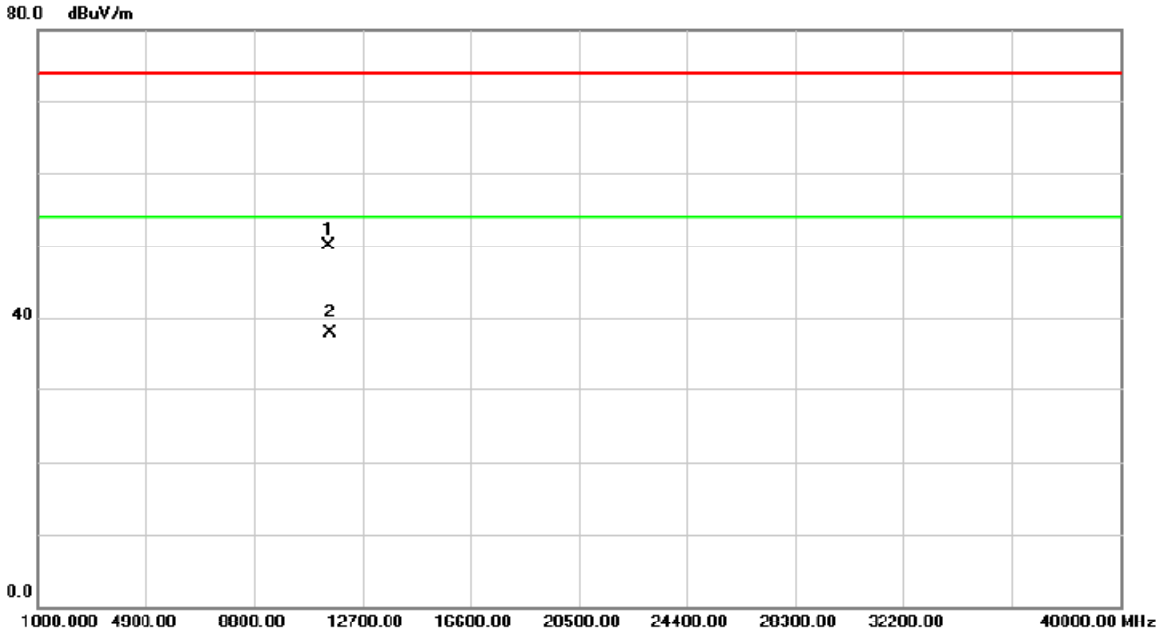
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		5725.000	18.04	44.58	62.62	74.00	-11.38	peak	
2		5725.000	5.05	44.58	49.63	54.00	-4.37	AVG	
3	*	5741.500	50.18	44.66	94.84	54.00	40.84	AVG	Fundamental frequency, no limit
4	X	5741.600	58.24	44.66	102.90	74.00	28.90	peak	Fundamental frequency, no limit

Orthogonal Axis :	X
Test Mode :	TX A Mode 5745MHz

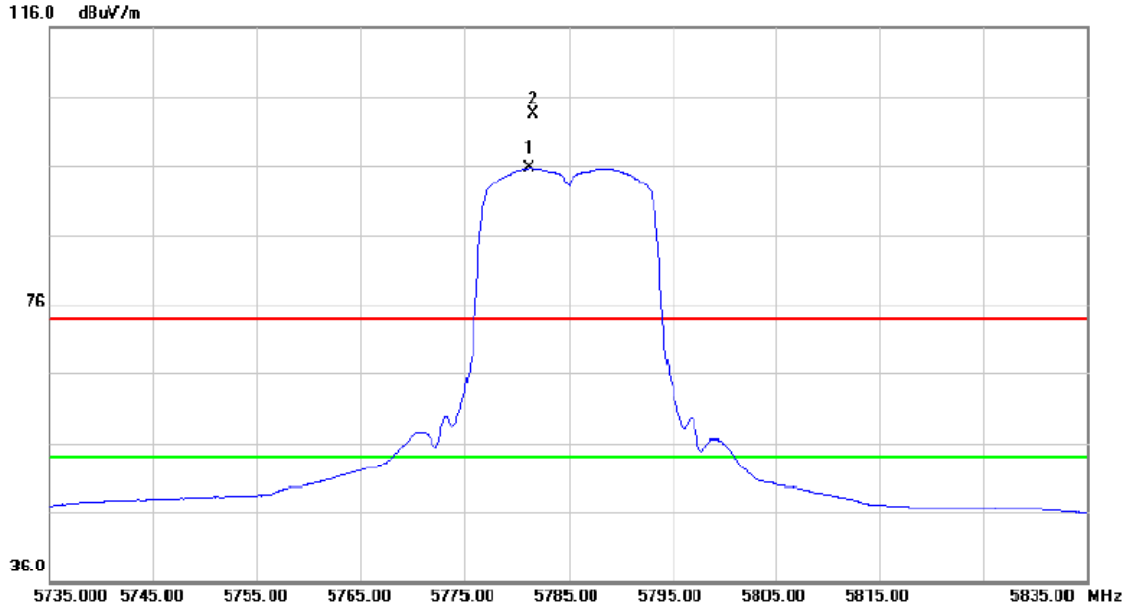
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		11490.12	35.69	14.25	49.94	74.00	-24.06	peak	
2	*	11490.12	23.75	14.25	38.00	54.00	-16.00	AVG	

Orthogonal Axis :	X
Test Mode :	TX A Mode 5785MHz

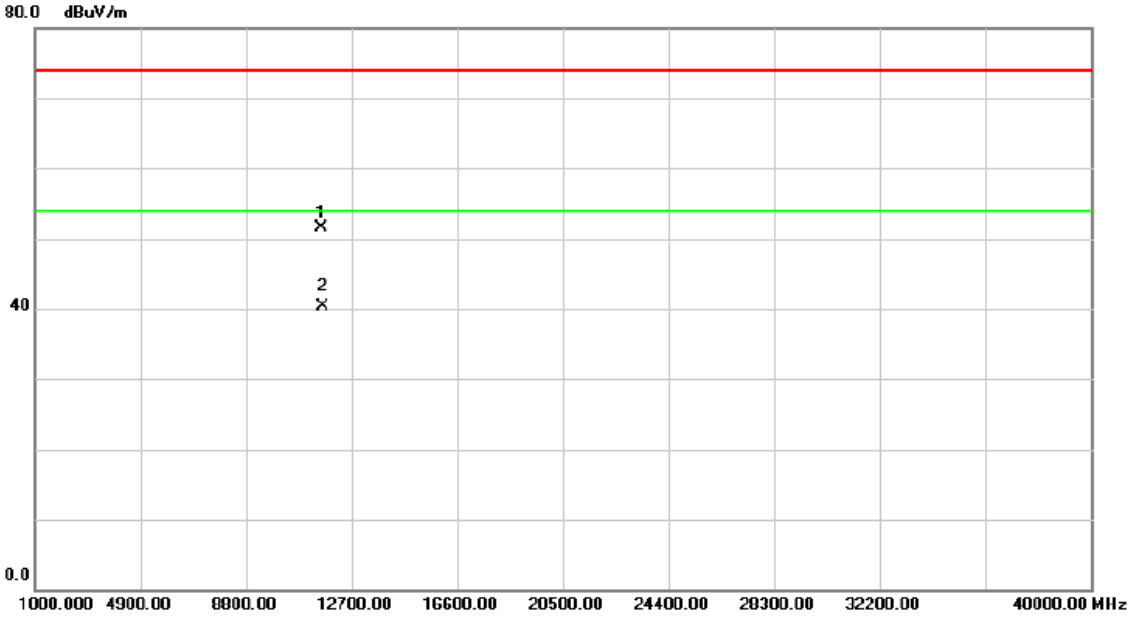
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	5781.200	50.74	44.87	95.61	54.00	41.61	AVG	Fundamental frequency, no limit
2	X	5781.600	58.54	44.87	103.41	74.00	29.41	peak	Fundamental frequency, no limit

Orthogonal Axis :	X
Test Mode :	TX A Mode 5785MHz

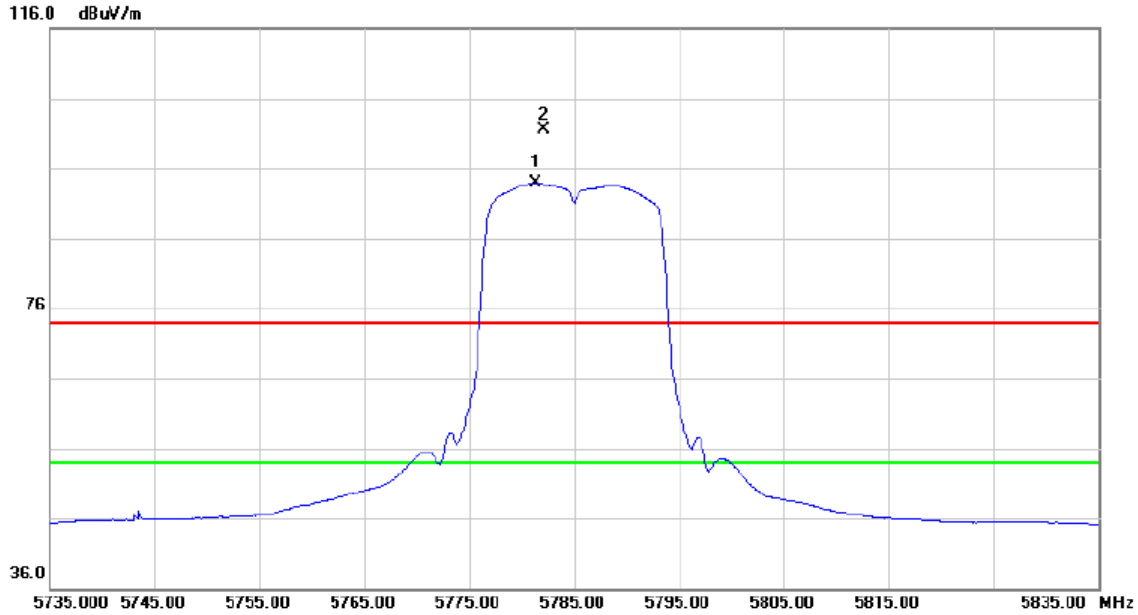
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		11570.28	37.23	14.30	51.53	74.00	-22.47	peak	
2	*	11570.28	25.97	14.30	40.27	54.00	-13.73	AVG	

Orthogonal Axis :	X
Test Mode :	TX A Mode 5785MHz

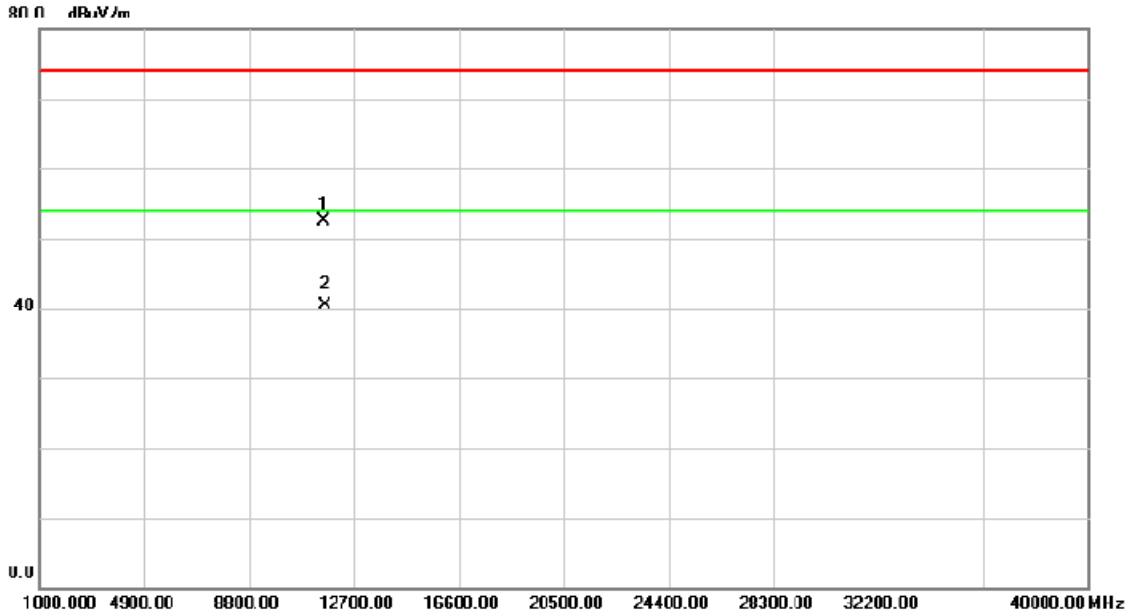
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	5781.300	49.08	44.87	93.95	54.00	39.95	AVG	Fundamental frequency, no limit
2	X	5782.100	56.68	44.87	101.55	74.00	27.55	peak	Fundamental frequency, no limit

Orthogonal Axis :	X
Test Mode :	TX A Mode 5785MHz

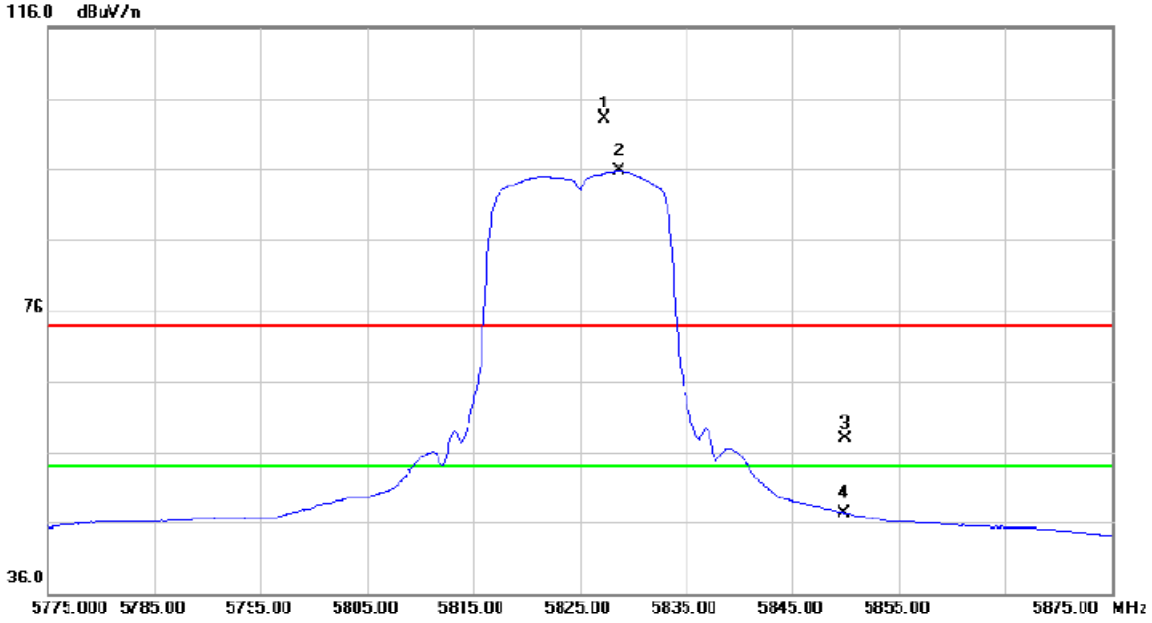
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		11570.17	38.27	14.30	52.57	74.00	-21.43	peak	
2	*	11570.17	26.11	14.30	40.41	54.00	-13.59	AVG	

Orthogonal Axis :	X
Test Mode :	TX A Mode 5825MHz

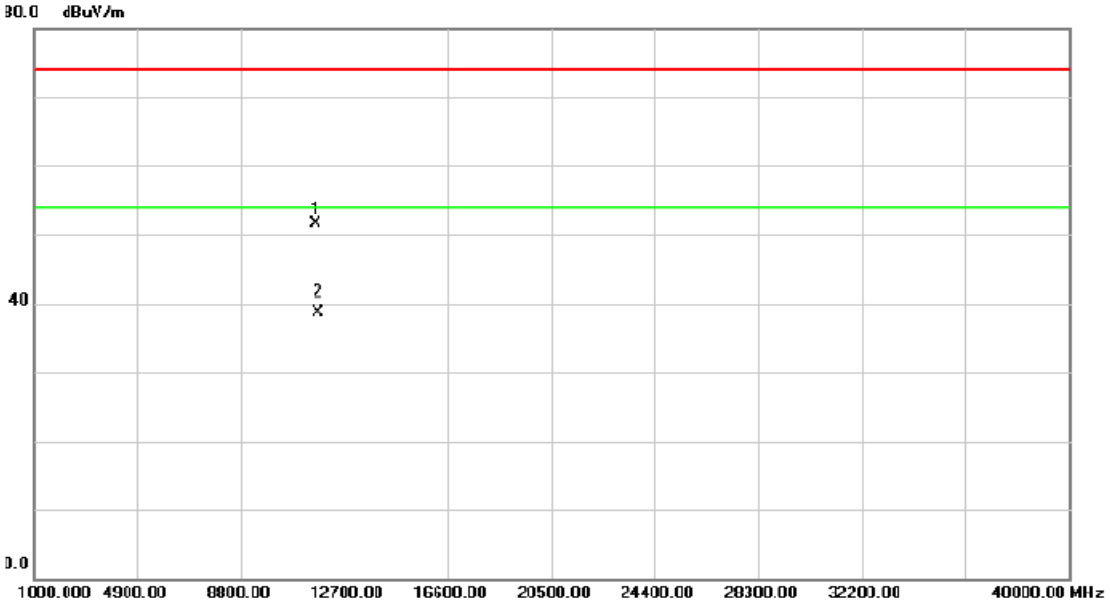
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	5827.300	58.06	45.11	103.17	74.00	29.17	peak	Fundamental frequency, no limit
2	*	5828.700	50.52	45.12	95.64	54.00	41.64	AVG	Fundamental frequency, no limit
3		5850.000	12.62	45.23	57.85	74.00	-16.15	peak	
4		5850.000	2.05	45.23	47.28	54.00	-6.72	AVG	

Orthogonal Axis :	X
Test Mode :	TX A Mode 5825MHz

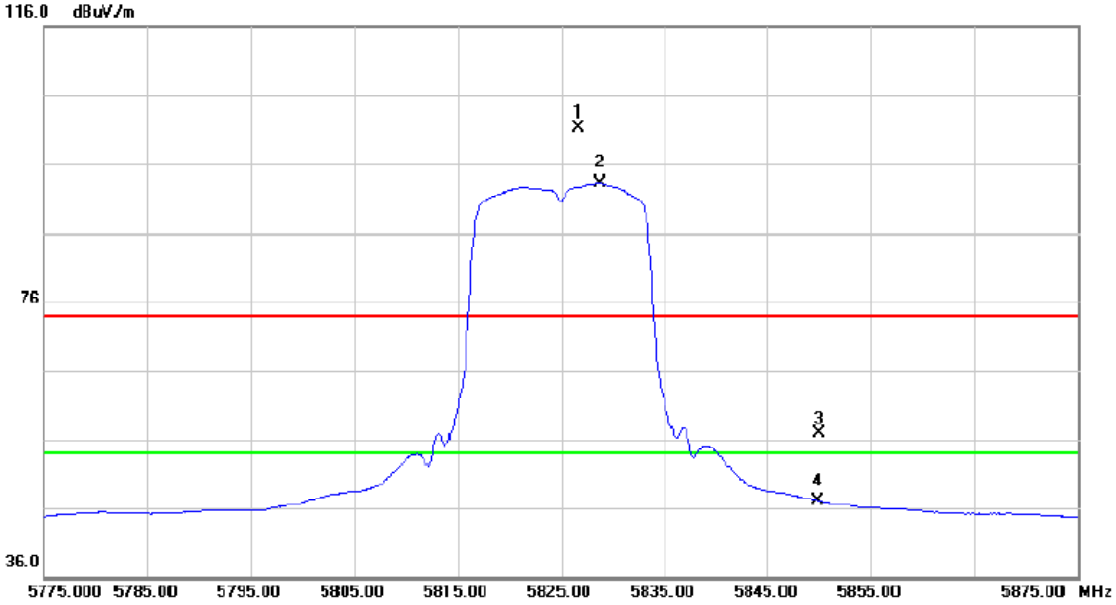
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		11650.23	37.24	14.34	51.58	74.00	-22.42	peak	
2	*	11650.23	24.38	14.34	38.72	54.00	-15.28	AVG	

Orthogonal Axis :	X
Test Mode :	TX A Mode 5825MHz

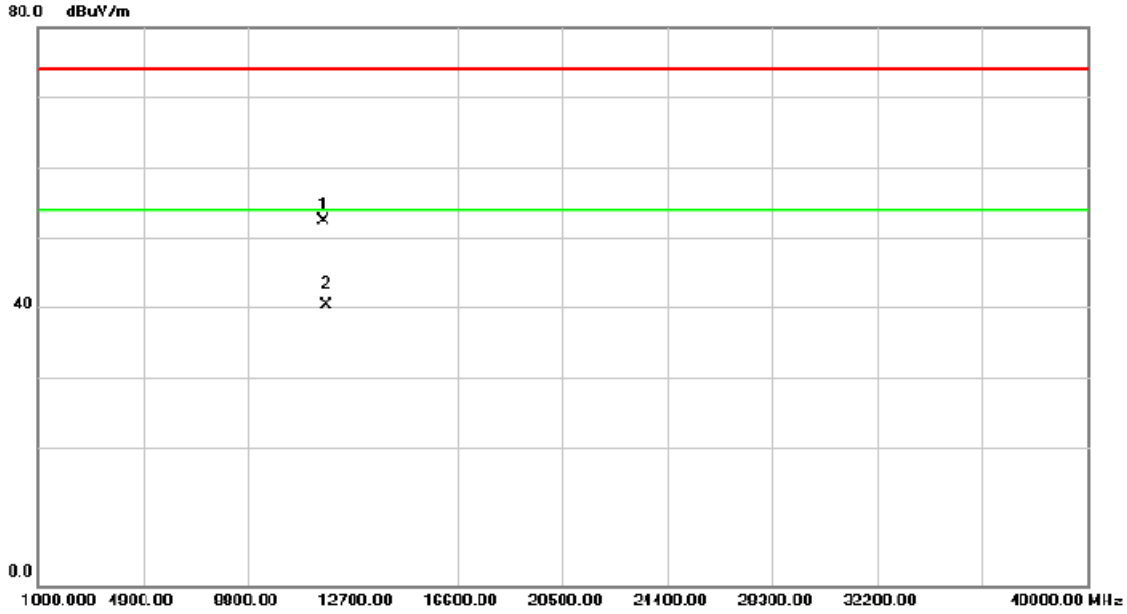
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	5826.600	56.17	45.11	101.28	74.00	27.28	peak	Fundamental frequency, no limit
2	*	5828.800	48.09	45.12	93.21	54.00	39.21	AVG	Fundamental frequency, no limit
3		5850.000	11.63	45.23	56.86	74.00	-17.14	peak	
4		5850.000	1.87	45.23	47.10	54.00	-6.90	AVG	

Orthogonal Axis :	X
Test Mode :	TX A Mode 5825MHz

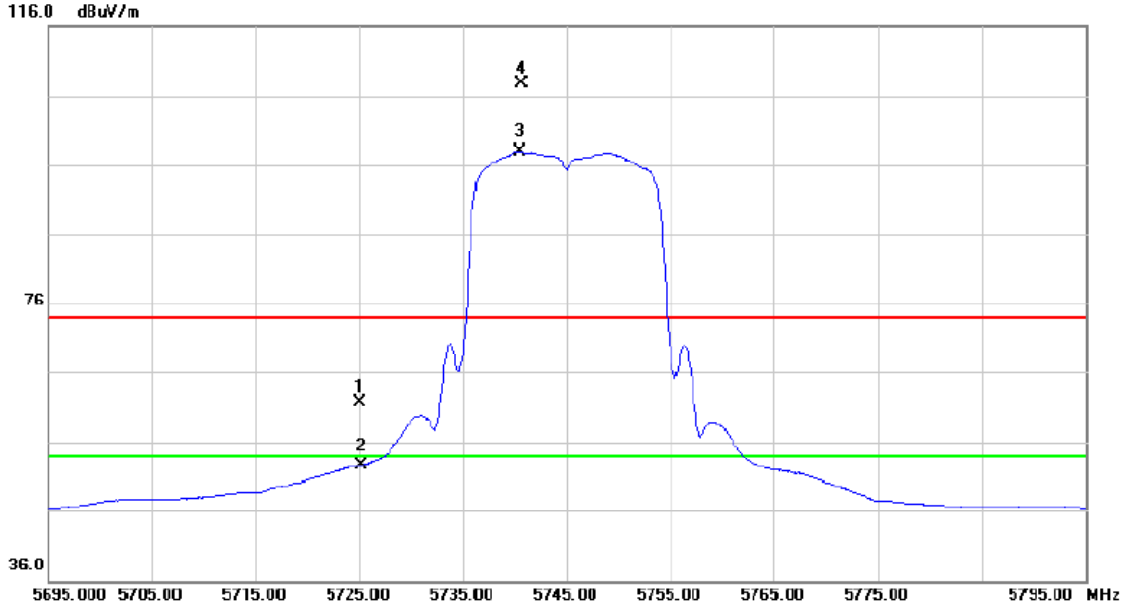
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		11650.23	38.02	14.34	52.36	74.00	-21.64	peak	
2	*	11650.23	25.93	14.34	40.27	54.00	-13.73	AVG	

Orthogonal Axis :	X
Test Mode :	TX N20 Mode 5745MHz

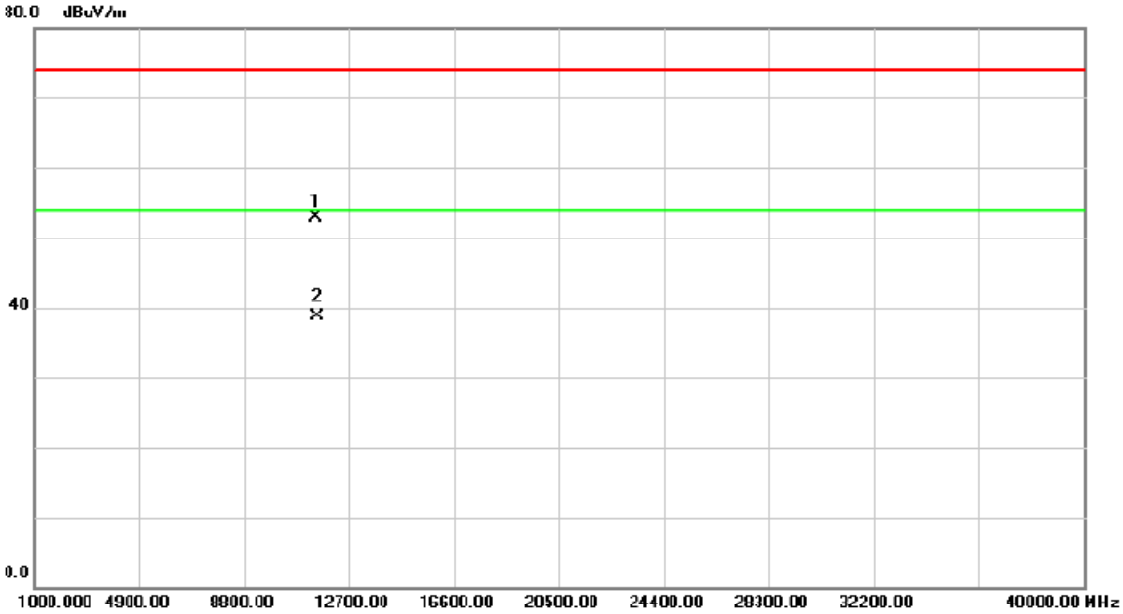
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		5725.000	17.13	44.58	61.71	74.00	-12.29	peak	
2		5725.000	7.91	44.58	52.49	54.00	-1.51	AVG	
3	*	5740.500	53.23	44.66	97.89	54.00	43.89	AVG	Fundamental frequency, no limit
4	X	5740.700	63.04	44.66	107.70	74.00	33.70	peak	Fundamental frequency, no limit

Orthogonal Axis :	X
Test Mode :	TX N20 Mode 5745MHz

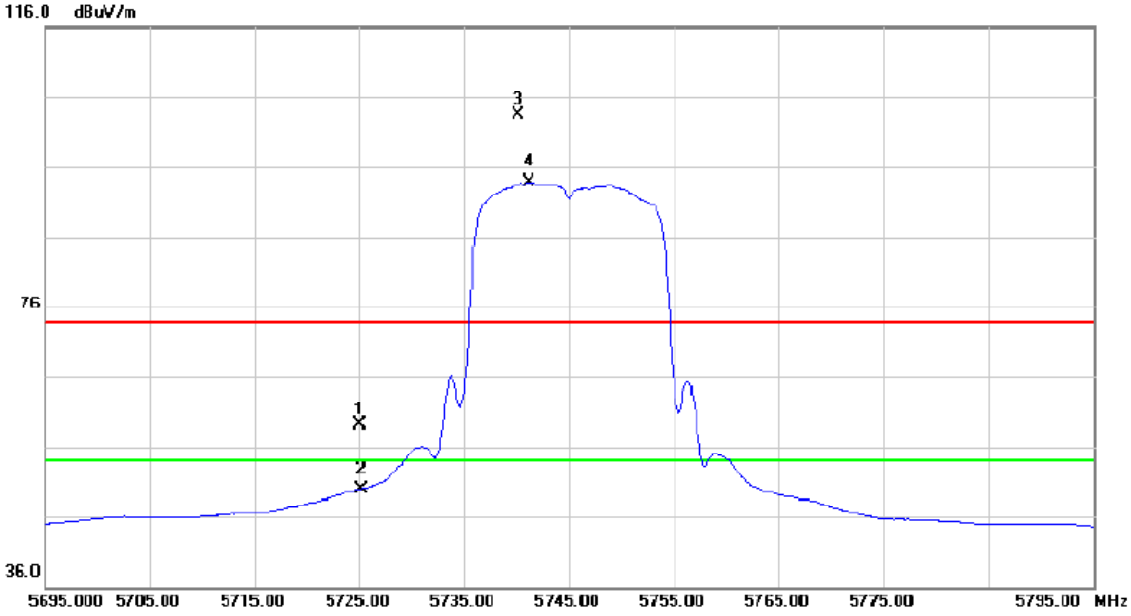
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		11490.22	38.56	14.25	52.81	74.00	-21.19	peak	
2	*	11490.22	24.37	14.25	38.62	54.00	-15.38	AVG	

Orthogonal Axis :	X
Test Mode :	TX N20 Mode 5745MHz

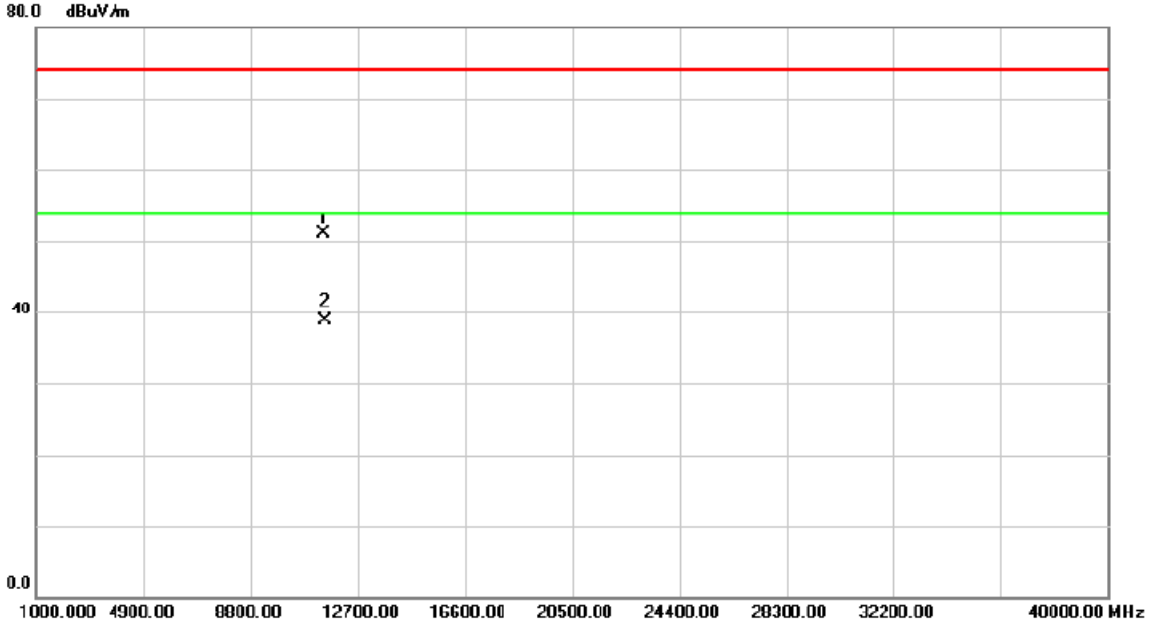
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		5725.000	14.58	44.58	59.16	74.00	-14.84	peak	
2		5725.000	5.28	44.58	49.86	54.00	-4.14	AVG	
3	X	5740.100	58.78	44.66	103.44	74.00	29.44	peak	Fundamental frequency, no limit
4	*	5741.200	49.20	44.66	93.86	54.00	39.86	AVG	Fundamental frequency, no limit

Orthogonal Axis :	X
Test Mode :	TX N20 Mode 5745MHz

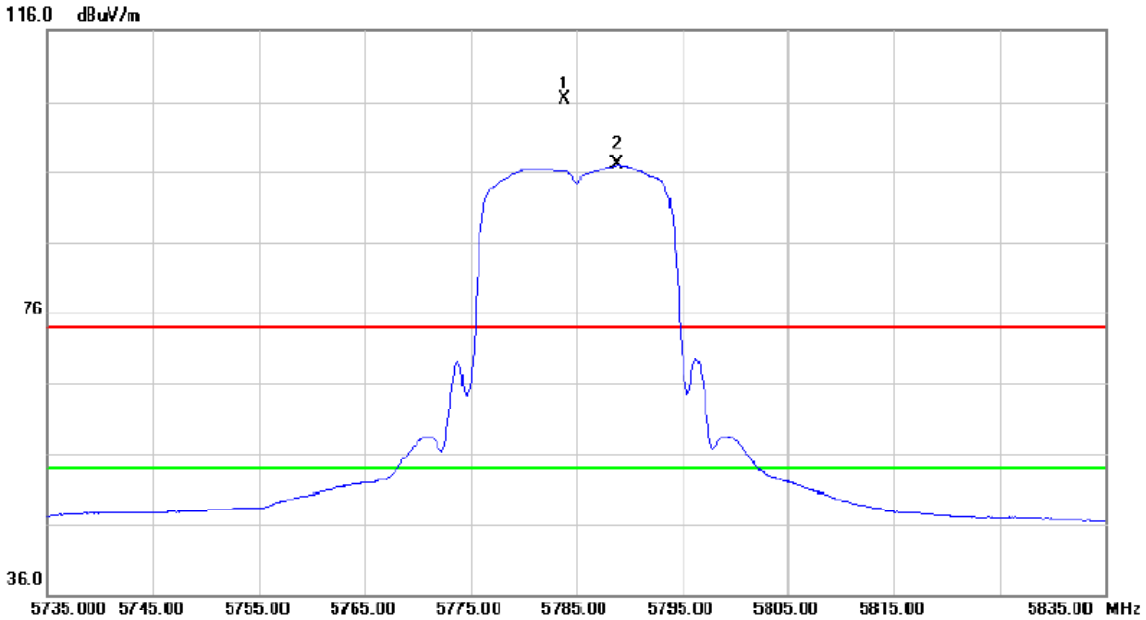
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		11490.34	36.65	14.25	50.90	74.00	-23.10	peak	
2	*	11490.34	24.48	14.25	38.73	54.00	-15.27	AVG	

Orthogonal Axis :	X
Test Mode :	TX N20 Mode 5785MHz

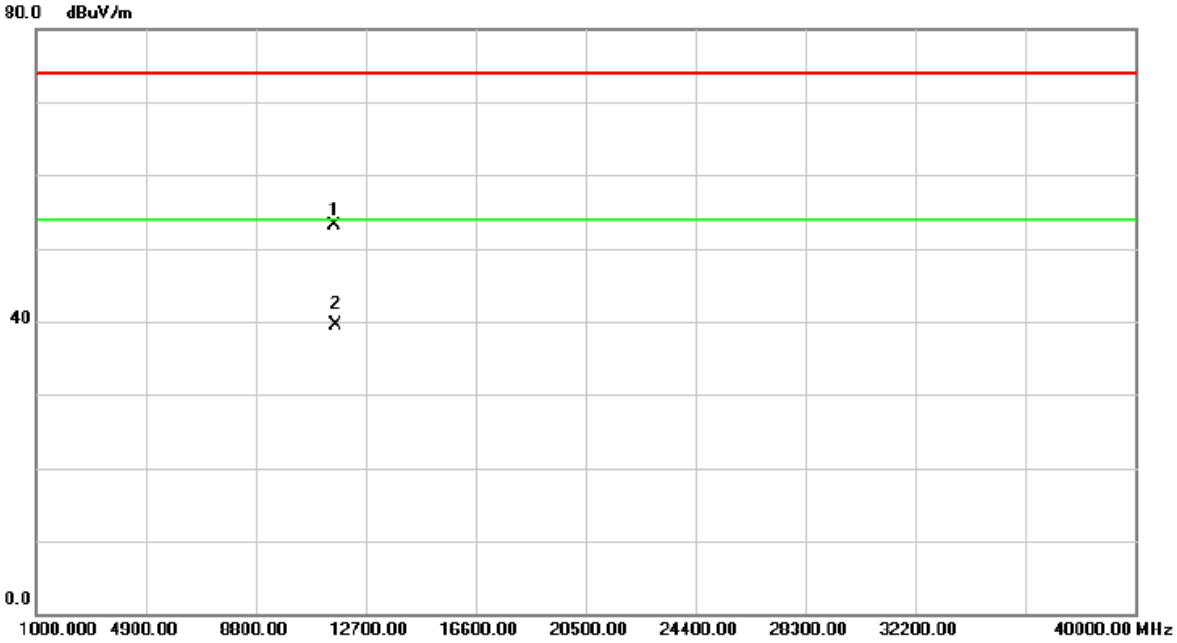
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	5783.800	61.41	44.89	106.30	74.00	32.30	peak	Fundamental frequency, no limit
2	*	5788.800	52.12	44.91	97.03	54.00	43.03	AVG	Fundamental frequency, no limit

Orthogonal Axis :	X
Test Mode :	TX N20 Mode 5785MHz

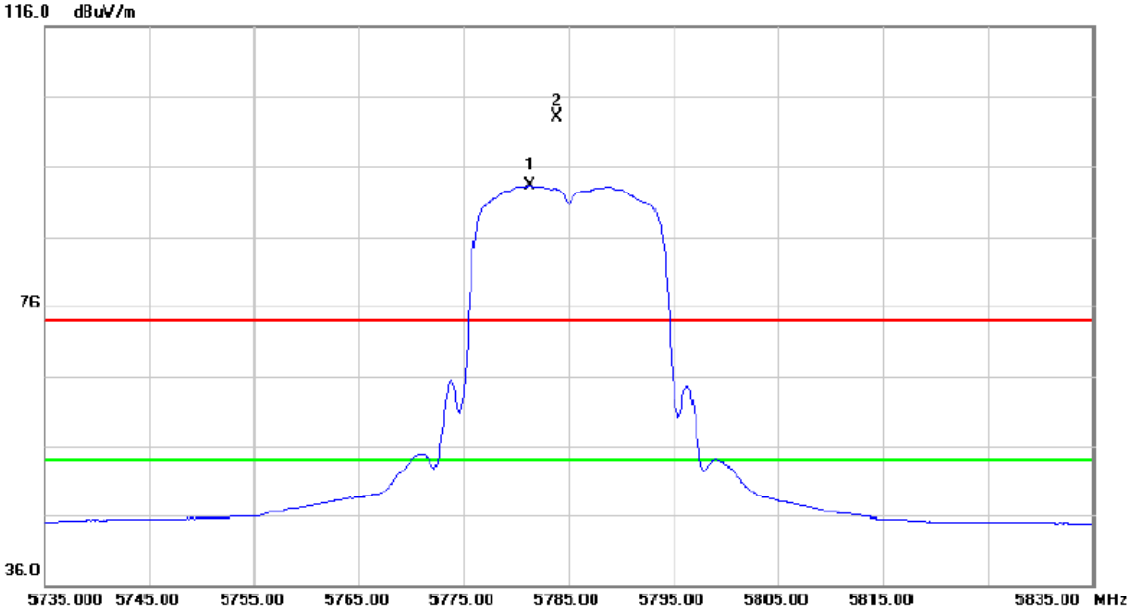
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		11570.12	38.84	14.30	53.14	74.00	-20.86	peak	
2	*	11570.12	25.26	14.30	39.56	54.00	-14.44	AVG	

Orthogonal Axis :	X
Test Mode :	TX N20 Mode 5785MHz

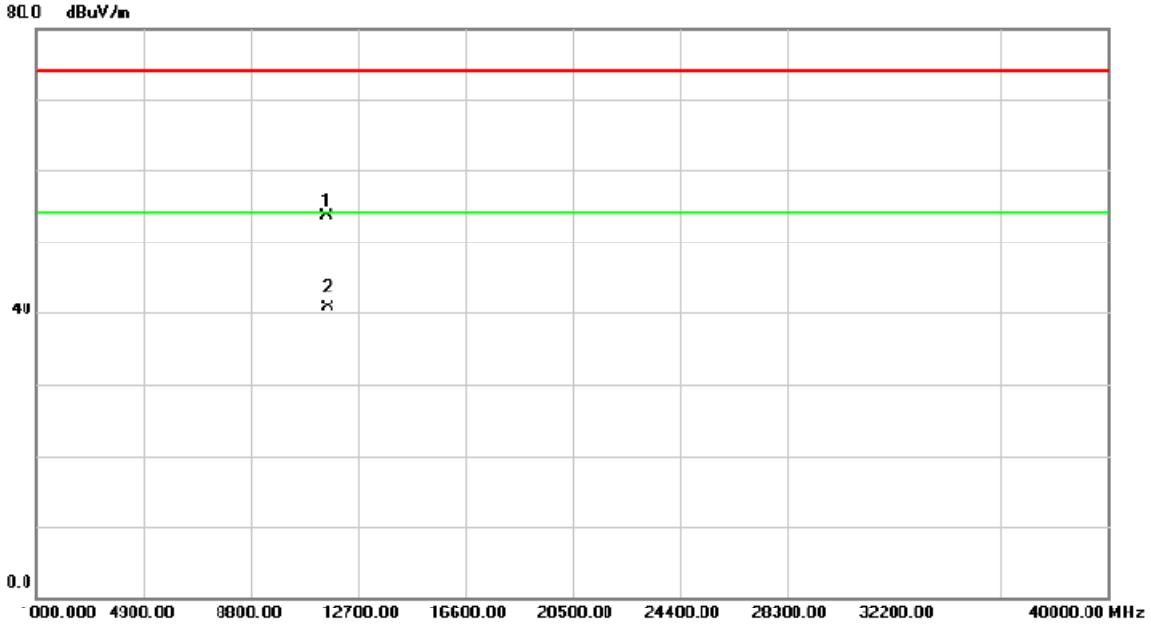
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	5781.300	48.36	44.87	93.23	54.00	39.23	AVG	Fundamental frequency, no limit
2	X	5783.900	58.17	44.89	103.06	74.00	29.06	peak	Fundamental frequency, no limit

Orthogonal Axis :	X
Test Mode :	TX N20 Mode 5785MHz

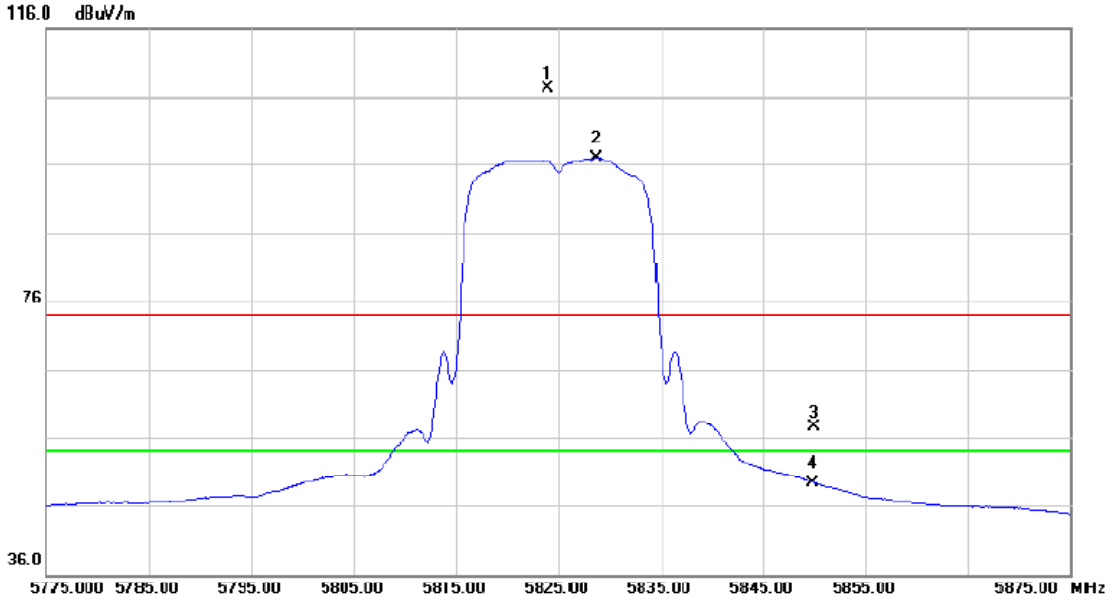
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		11570.13	39.25	14.30	53.55	74.00	-20.45	peak	
2	*	11570.13	26.37	14.30	40.67	54.00	-13.33	AVG	

Orthogonal Axis :	X
Test Mode :	TX N20 Mode 5825MHz

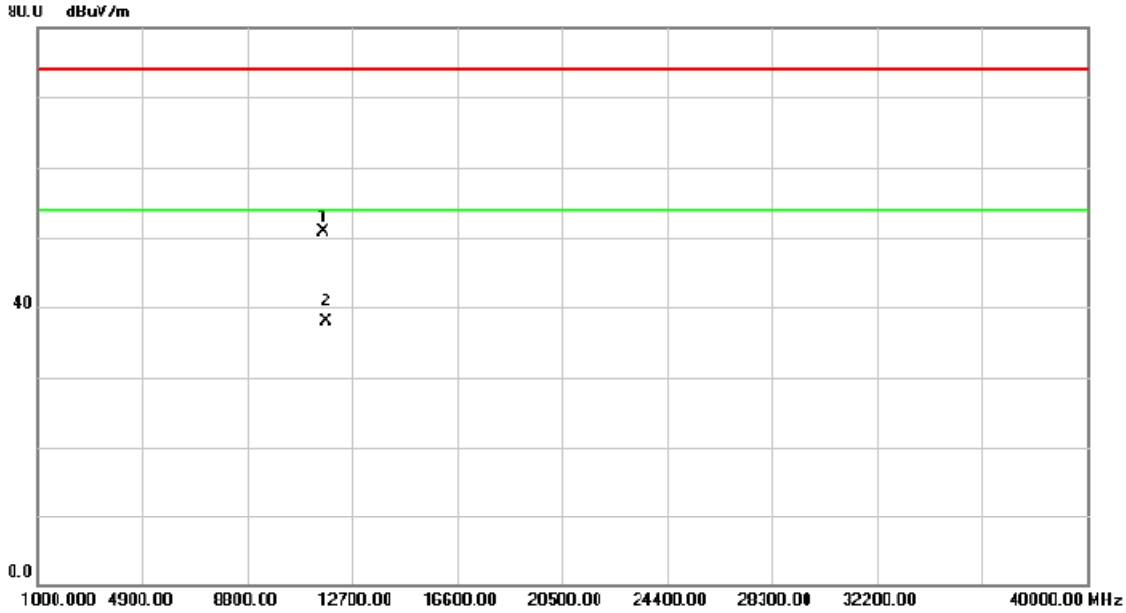
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	5824.000	62.04	45.10	107.14	74.00	33.14	peak	Fundamental frequency, no limit
2	*	5828.700	51.73	45.12	96.85	54.00	42.85	AVG	Fundamental frequency, no limit
3		5850.000	12.31	45.23	57.54	74.00	-16.46	peak	
4		5850.000	4.16	45.23	49.39	54.00	-4.61	AVG	

Orthogonal Axis :	X
Test Mode :	TX N20 Mode 5825MHz

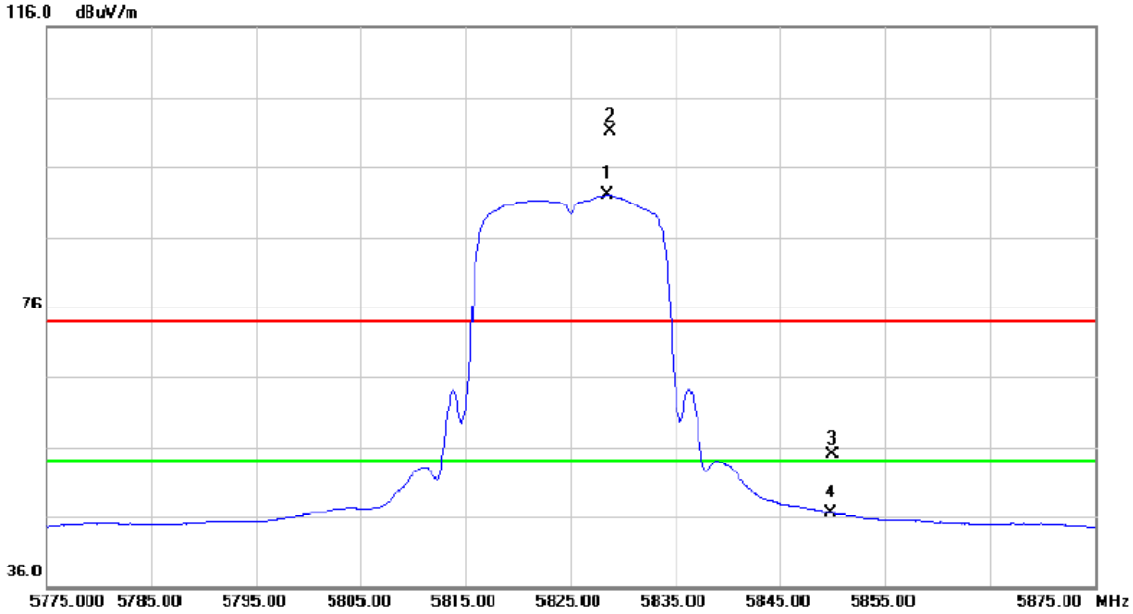
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		11650.28	36.42	14.34	50.76	74.00	-23.24	peak	
2	*	11650.28	23.62	14.34	37.96	54.00	-16.04	AVG	

Orthogonal Axis :	X
Test Mode :	TX N20 Mode 5825MHz

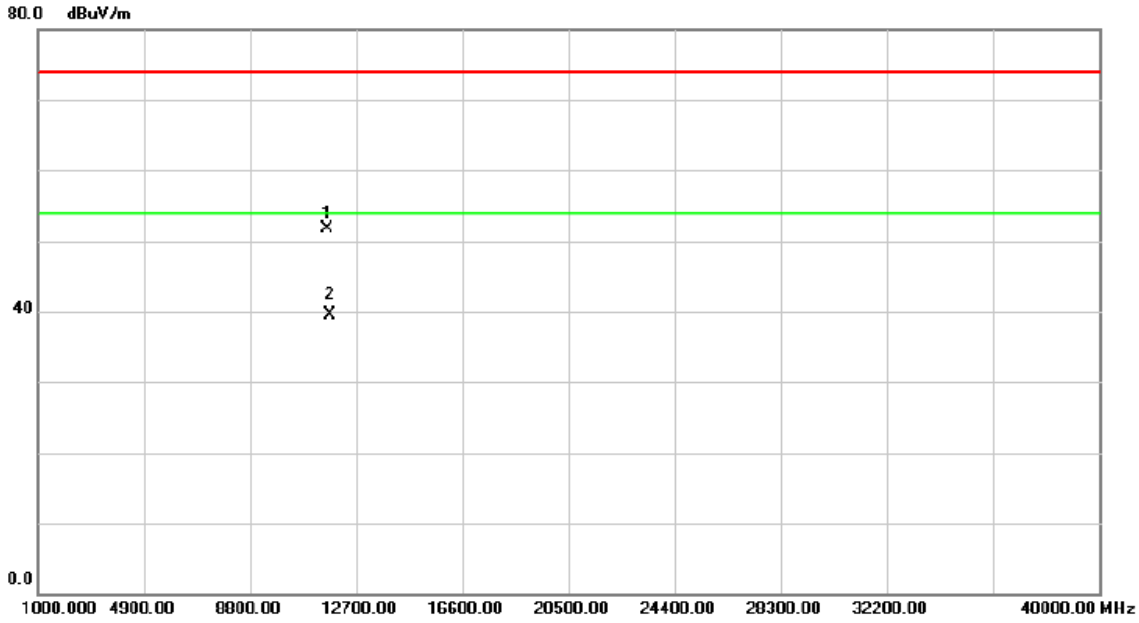
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	5828.500	46.96	45.12	92.08	54.00	38.08	AVG	Fundamental frequency, no limit
2	X	5828.800	55.92	45.12	101.04	74.00	27.04	peak	Fundamental frequency, no limit
3		5850.000	9.72	45.23	54.95	74.00	-19.05	peak	
4		5850.000	1.24	45.23	46.47	54.00	-7.53	AVG	

Orthogonal Axis :	X
Test Mode :	TX N20 Mode 5825MHz

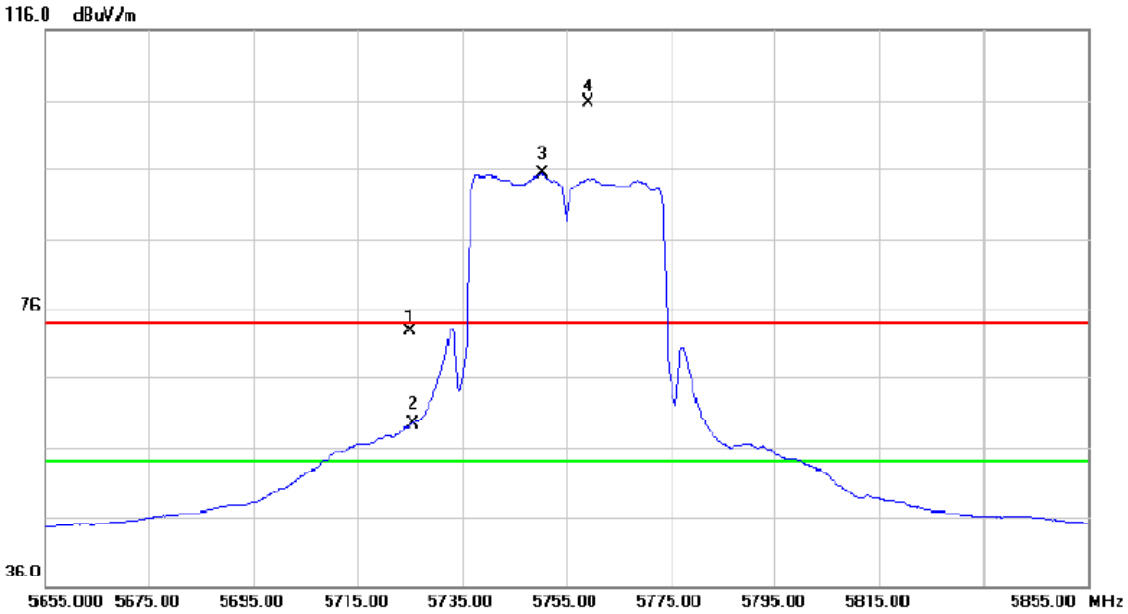
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		11650.36	37.38	14.34	51.72	74.00	-22.28	peak	
2	*	11650.36	25.21	14.34	39.55	54.00	-14.45	AVG	

Orthogonal Axis :	X
Test Mode :	TX N40 Mode 5755MHz

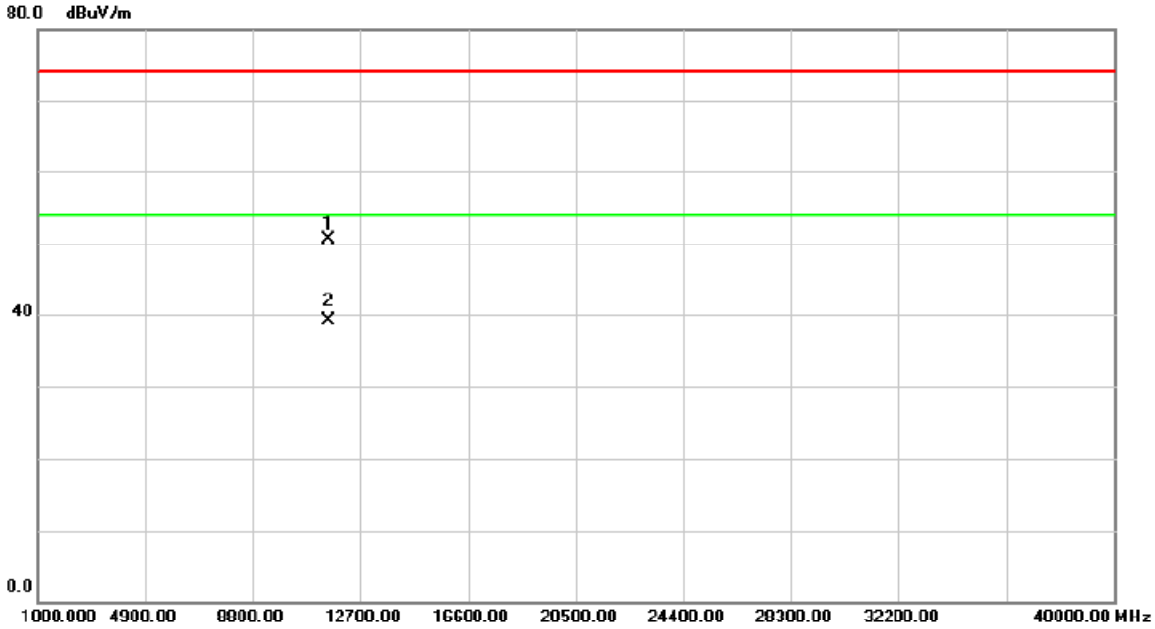
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		5725.000	28.18	44.58	72.76	74.00	-1.24	peak	
2	X	5725.000	14.73	44.58	59.31	54.00	5.31	AVG	
3	*	5750.200	50.54	44.71	95.25	54.00	41.25	AVG	Fundamental frequency, no limit
4	X	5759.200	60.88	44.76	105.64	74.00	31.64	peak	Fundamental frequency, no limit

Orthogonal Axis :	X
Test Mode :	TX N40 Mode 5755MHz

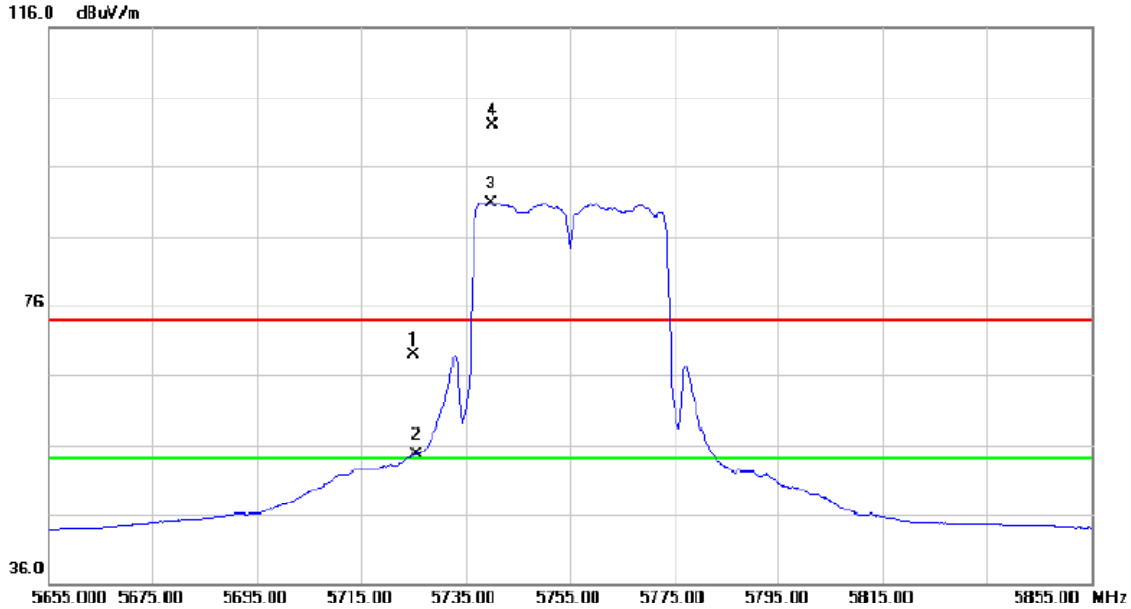
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		11510.26	36.25	14.27	50.52	74.00	-23.48	peak	
2	*	11510.26	24.86	14.27	39.13	54.00	-14.87	AVG	

Orthogonal Axis :	X
Test Mode :	TX N40 Mode 5755MHz

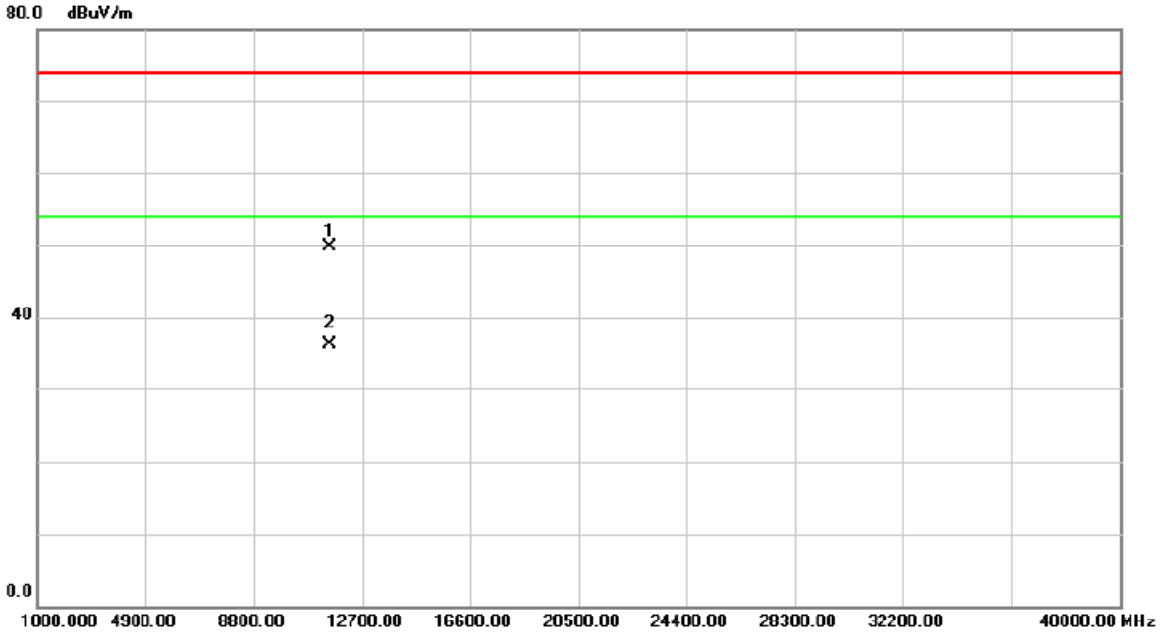
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		5725.000	24.40	44.58	68.98	74.00	-5.02	peak	
2	X	5725.000	9.84	44.58	54.42	54.00	0.42	AVG	
3	*	5740.000	46.06	44.66	90.72	54.00	36.72	AVG	Fundamental frequency, no limit
4	X	5740.200	57.29	44.66	101.95	74.00	27.95	peak	Fundamental frequency, no limit

Orthogonal Axis :	X
Test Mode :	TX N40 Mode 5755MHz

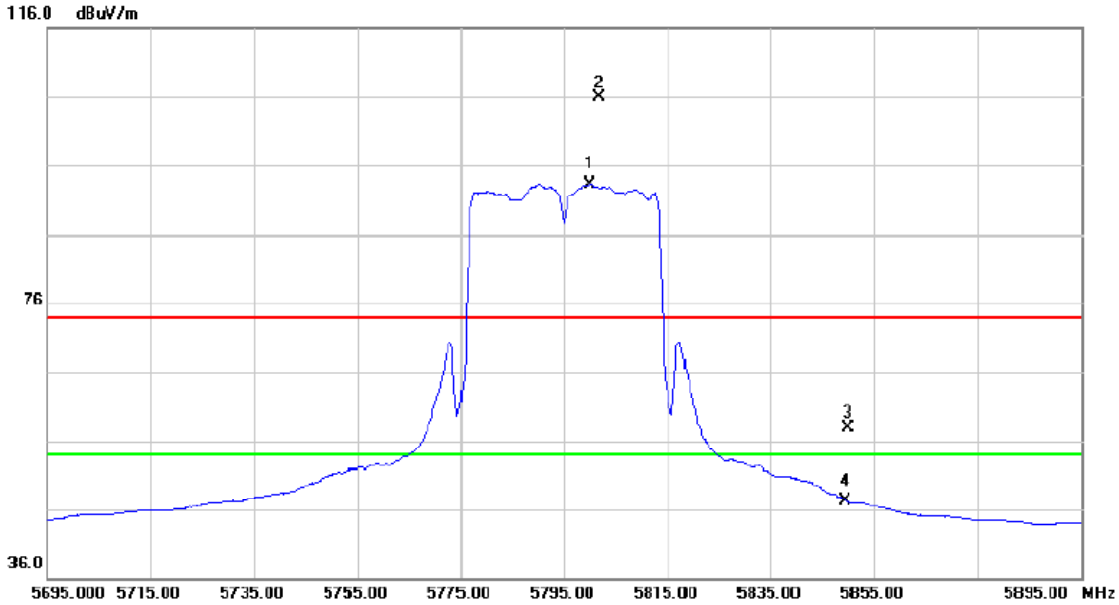
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		11510.43	35.37	14.27	49.64	74.00	-24.36	peak	
2	*	11510.43	22.11	14.27	36.38	54.00	-17.62	AVG	

Orthogonal Axis :	X
Test Mode :	TX N40 Mode 5795MHz

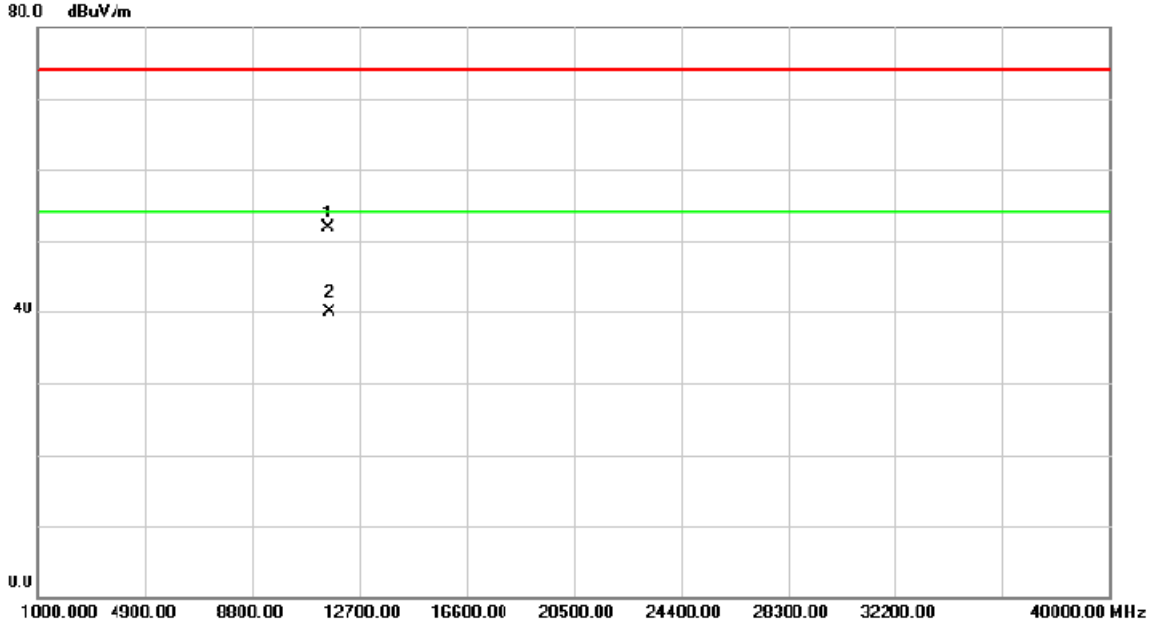
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	5800.000	48.33	44.97	93.30	54.00	39.30	AVG	Fundamental frequency, no limit
2	X	5801.800	60.85	44.98	105.83	74.00	31.83	peak	Fundamental frequency, no limit
3		5850.000	12.64	45.23	57.87	74.00	-16.13	peak	
4		5850.000	2.10	45.23	47.33	54.00	-6.67	AVG	

Orthogonal Axis :	X
Test Mode :	TX N40 Mode 5795MHz

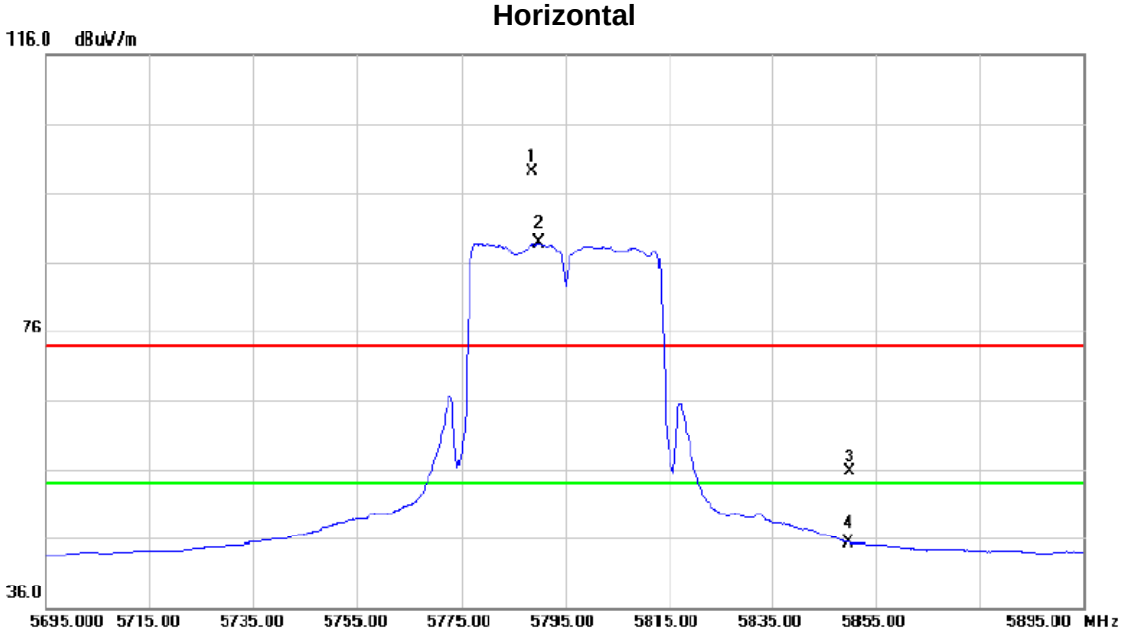
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		11590.23	37.36	14.31	51.67	74.00	-22.33	peak	
2	*	11590.26	25.55	14.31	39.86	54.00	-14.14	AVG	

Orthogonal Axis :	X
Test Mode :	TX N40 Mode 5795MHz

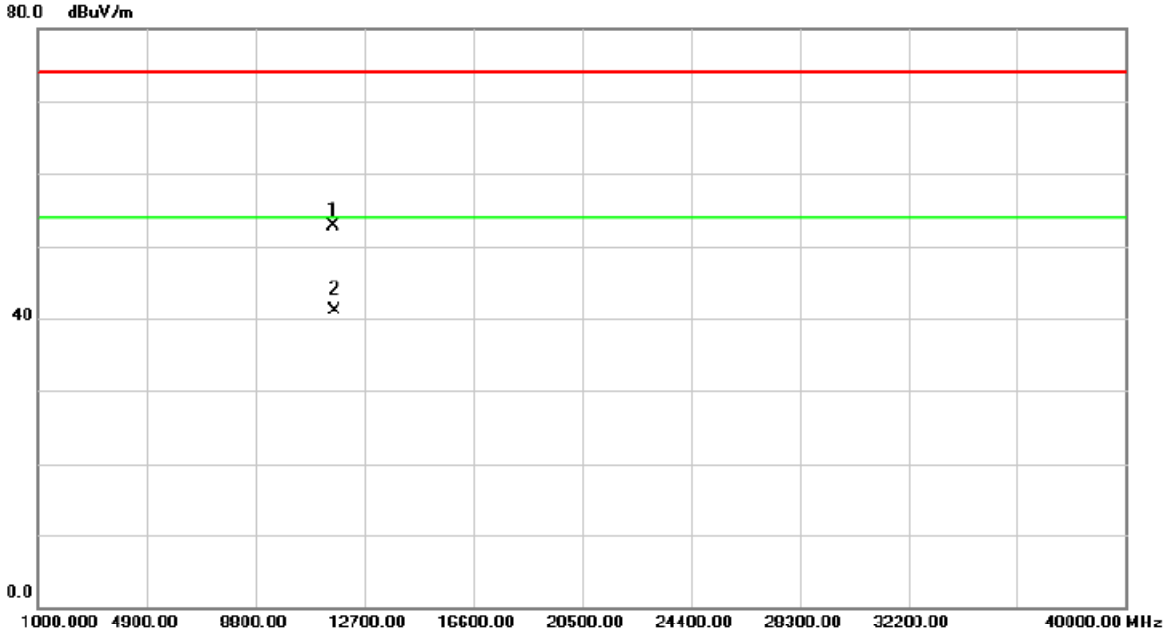
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	5788.800	54.28	44.91	99.19	74.00	25.19	peak	Fundamental frequency, no limit
2	*	5790.000	43.84	44.92	88.76	54.00	34.76	AVG	Fundamental frequency, no limit
3		5850.000	10.56	45.23	55.79	74.00	-18.21	peak	
4		5850.000	0.14	45.23	45.37	54.00	-8.63	AVG	

Orthogonal Axis :	X
Test Mode :	TX N40 Mode 5795MHz

Horizontal



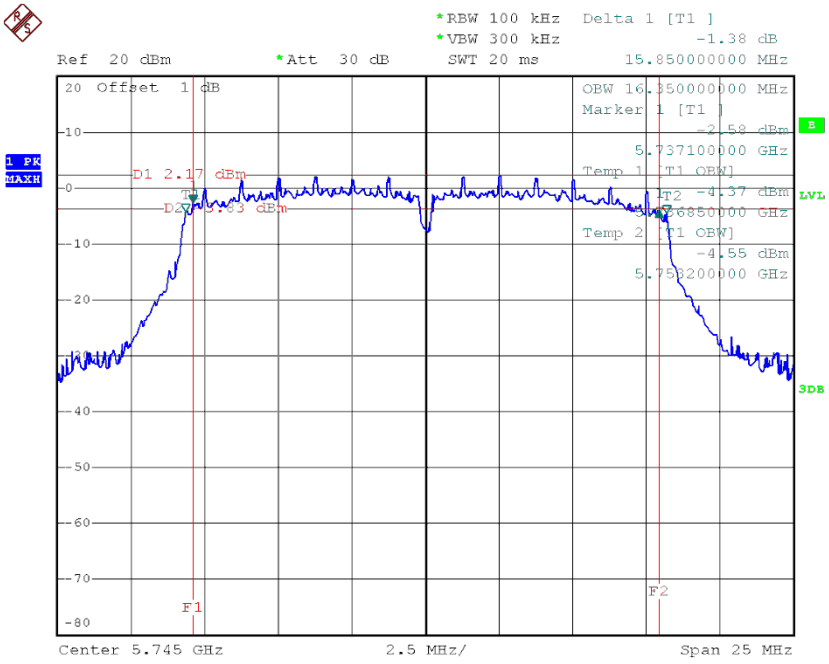
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		11590.56	38.48	14.31	52.79	74.00	-21.21	peak	
2	*	11590.56	26.89	14.31	41.20	54.00	-12.80	AVG	

ATTACHMENT E - BANDWIDTH

Test Mode : TX A Mode_CH149/157/165

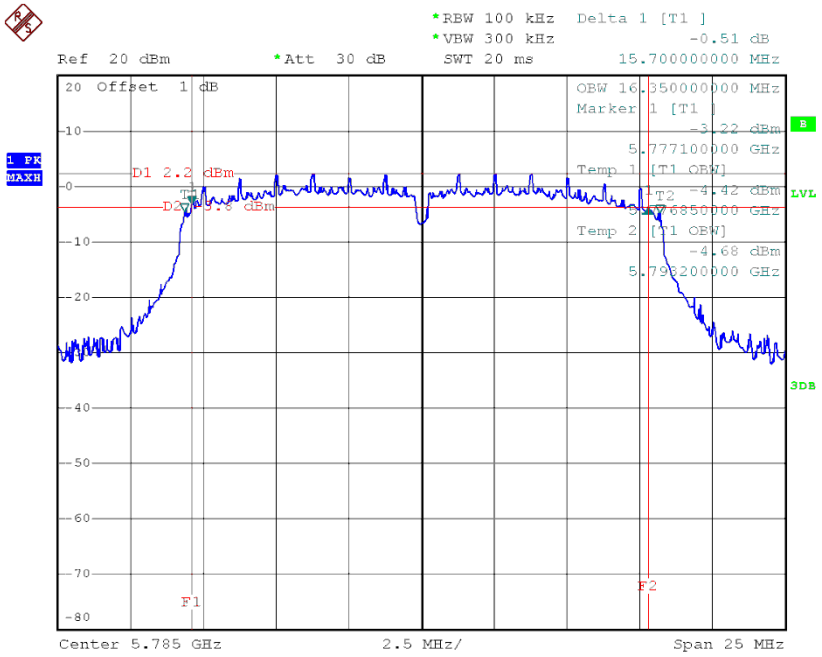
Test Channel	Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied BW (MHz)	LIMIT (MHz)
CH149	5745	15.85	16.35	>=500KHz
CH157	5785	15.70	16.35	>=500KHz
CH165	5825	15.85	16.40	>=500KHz

TX CH 149



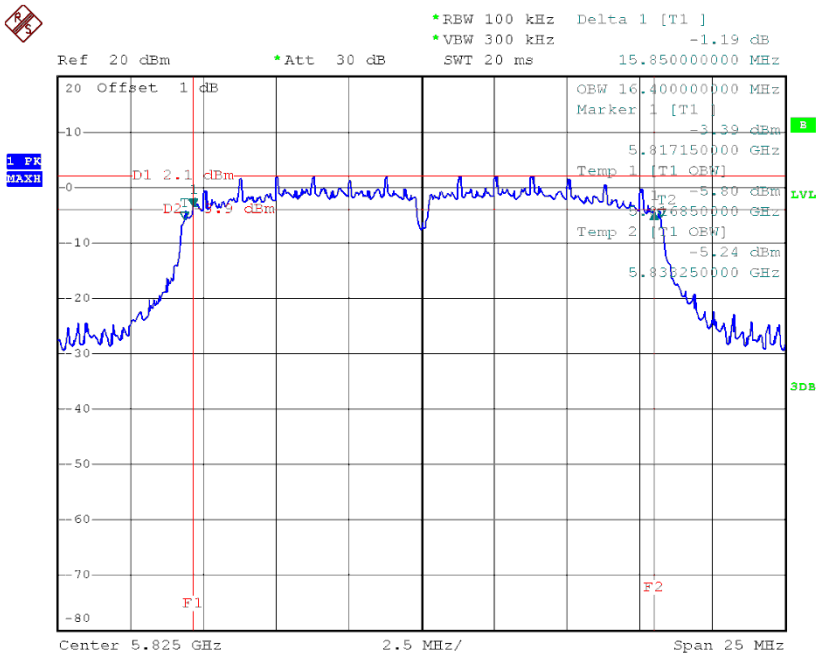
Date: 8.JUL.2014 17:30:38

TX CH 157



Date: 8.JUL.2014 17:28:05

TX CH 165

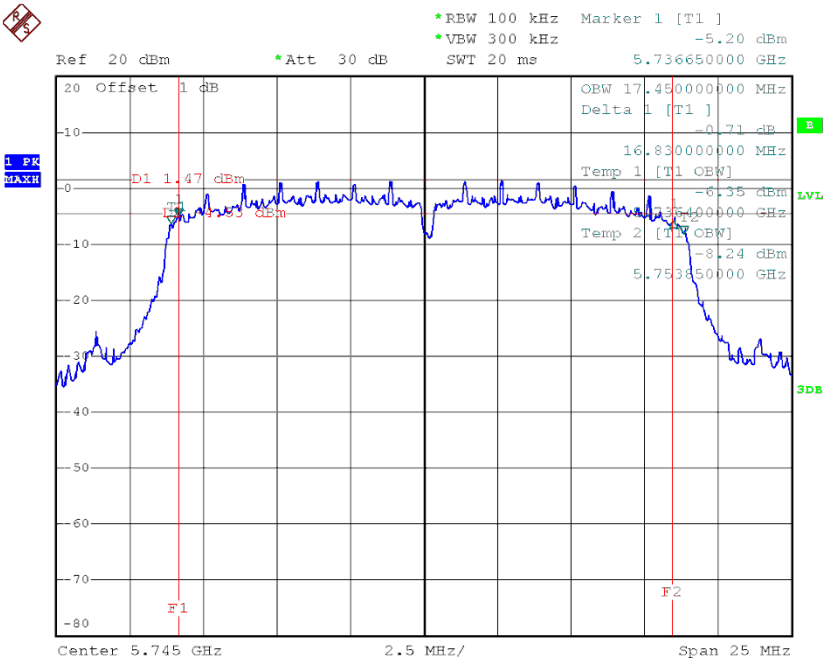


Date: 8.JUL.2014 17:25:07

Test Mode : TX N-20MHz Mode_CH149/157/165_ANT 1

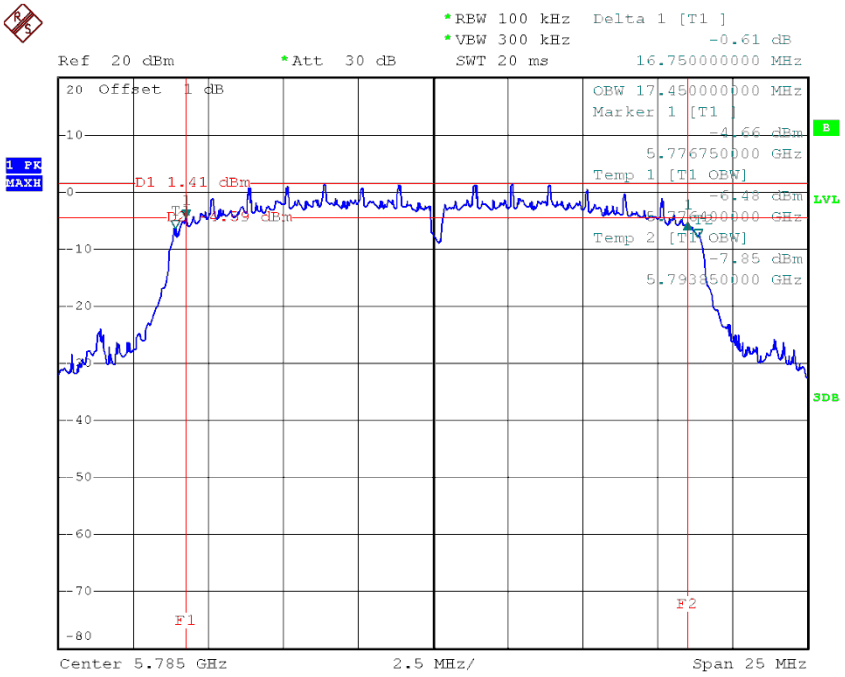
Test Channel	Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied BW (MHz)	LIMIT (MHz)
CH149	5745	16.83	17.45	>=500KHz
CH157	5785	16.75	17.45	>=500KHz
CH165	5825	16.30	17.45	>=500KHz

TX CH 149



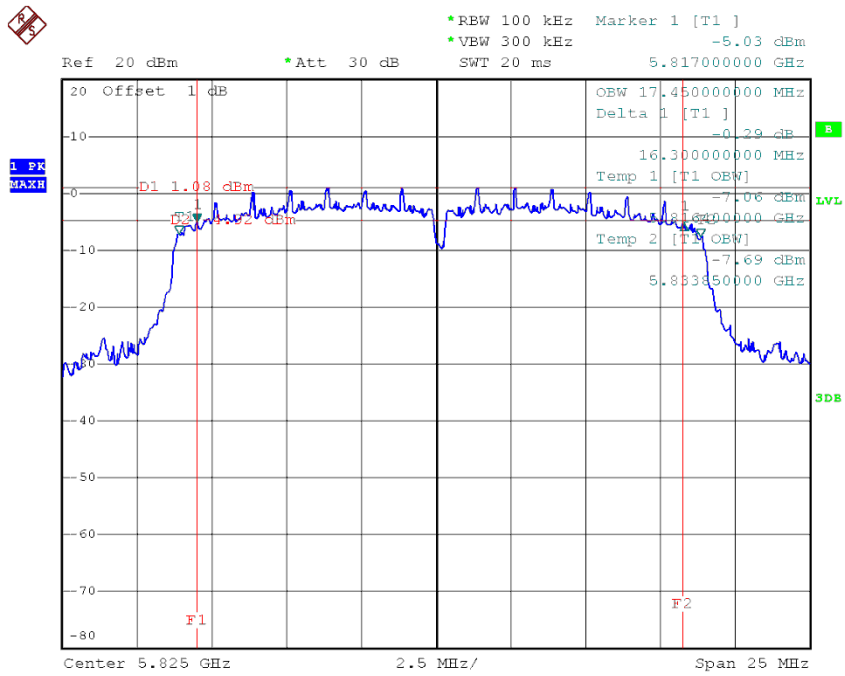
Date: 8.JUL.2014 17:12:47

TX CH 157



Date: 8.JUL.2014 17:17:36

TX CH 165

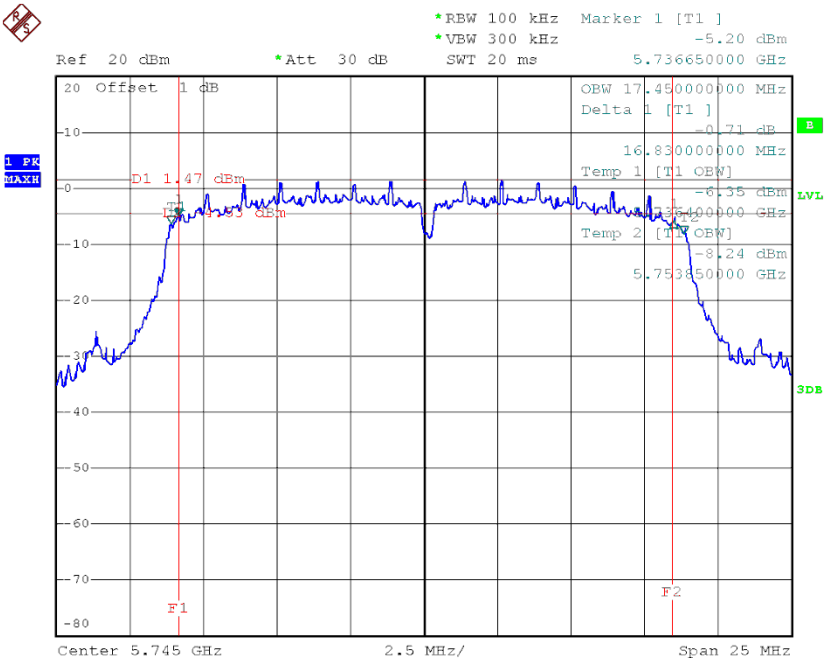


Date: 8.JUL.2014 17:21:04

Test Mode : TX N-20MHz Mode_CH149/157/165_ANT 2

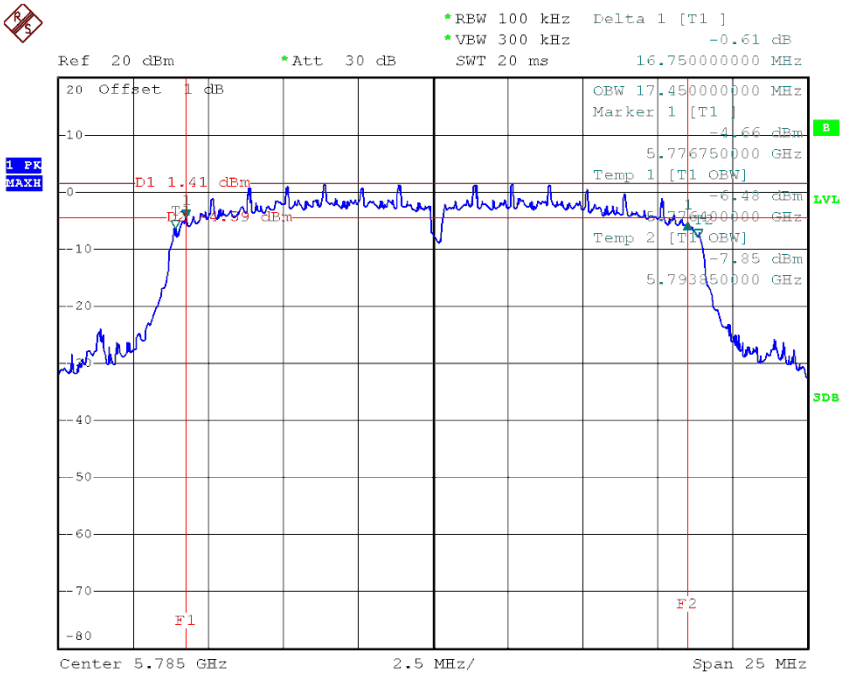
Test Channel	Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied BW (MHz)	LIMIT (MHz)
CH149	5745	16.73	17.45	>=500KHz
CH157	5785	16.80	17.45	>=500KHz
CH165	5825	16.35	17.45	>=500KHz

TX CH 149



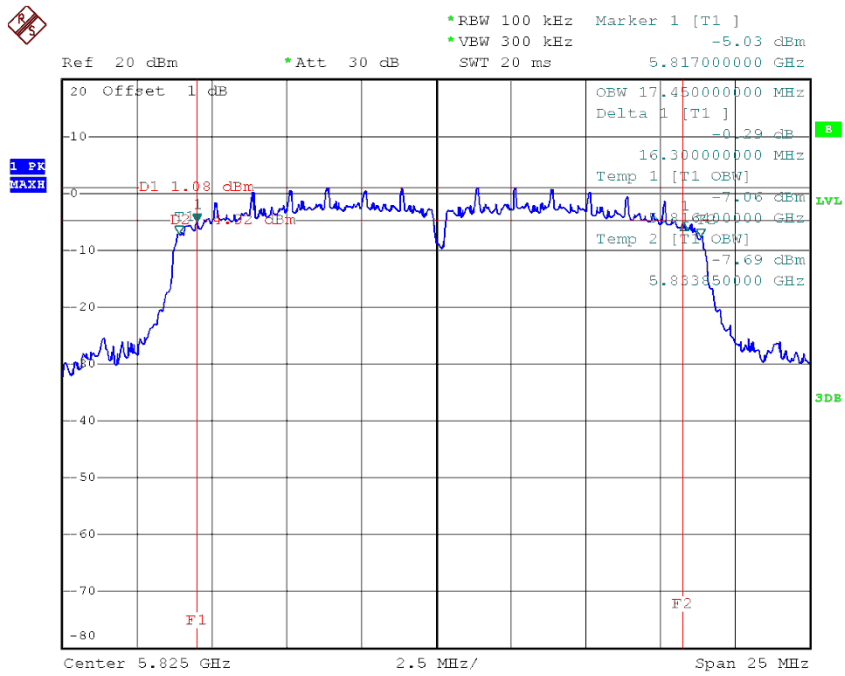
Date: 8.JUL.2014 17:12:47

TX CH 157



Date: 8.JUL.2014 17:17:36

TX CH 165

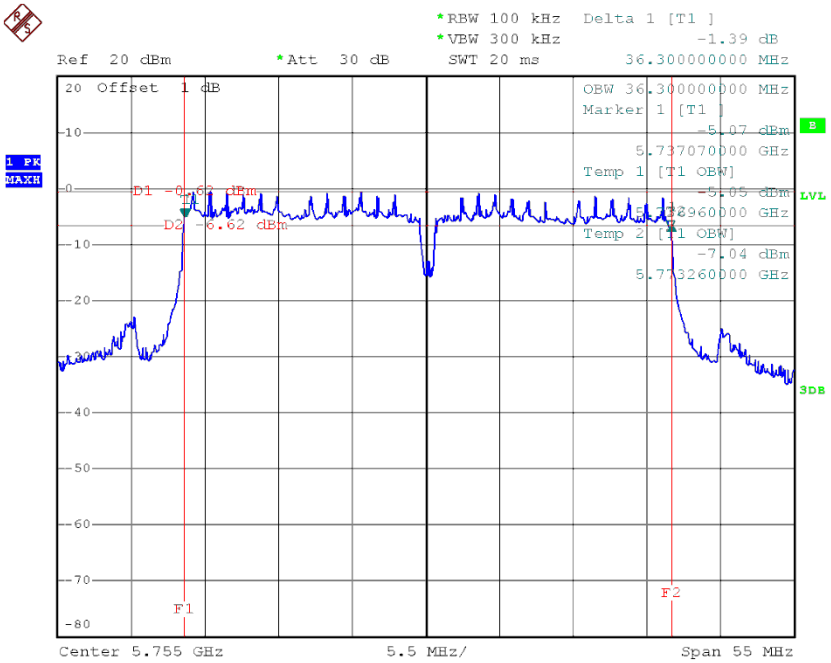


Date: 8.JUL.2014 17:21:04

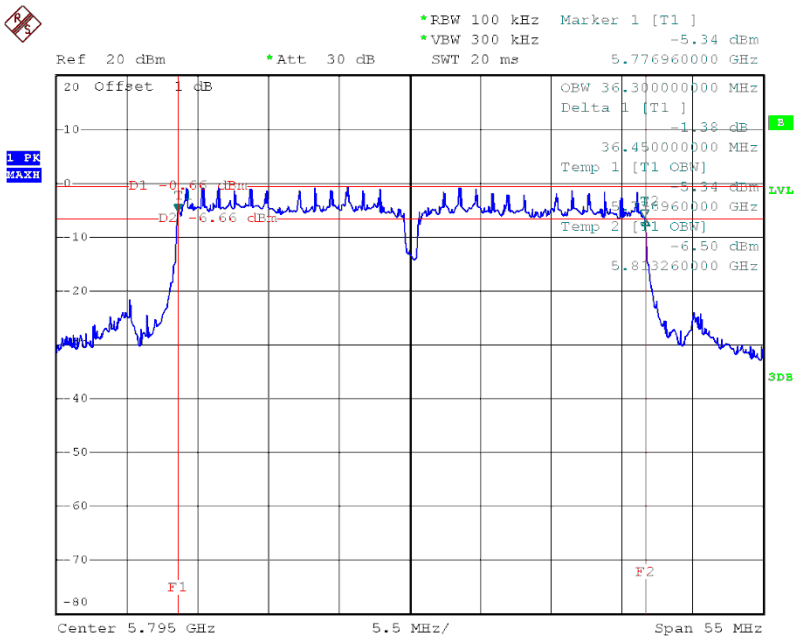
Test Mode : TX N-40MHz Mode_CH151/159_ANT 1

Test Channel	Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied BW (MHz)	LIMIT (MHz)
CH151	5755	36.30	36.30	>=500KHz
CH159	5795	36.45	36.30	>=500KHz

TX CH 151



TX CH 159

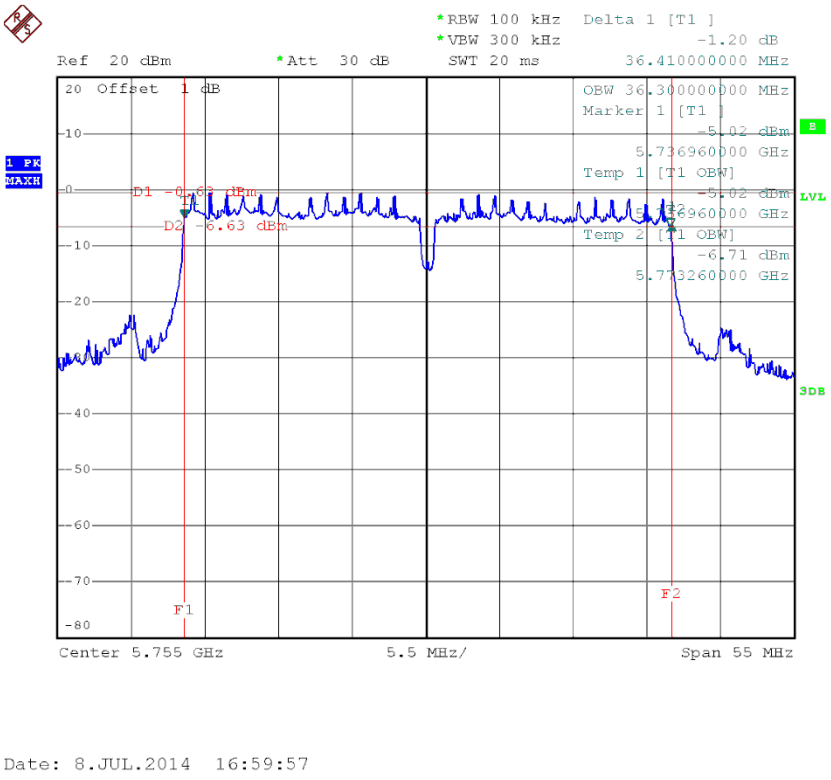


Date: 8.JUL.2014 17:07:07

Test Mode : TX N-40MHz Mode_CH151/159_ANT 2

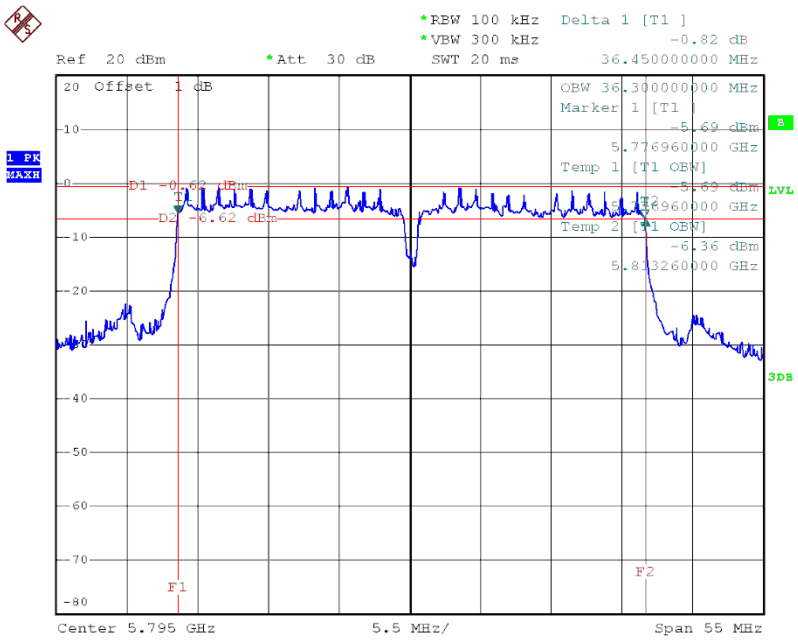
Test Channel	Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied BW (MHz)	LIMIT (MHz)
CH151	5755	36.41	36.30	>=500KHz
CH159	5795	36.45	36.30	>=500KHz

TX CH 151



Date: 8.JUL.2014 16:59:57

TX CH 159



Date: 8.JUL.2014 17:06:11

ATTACHMENT F - MAXIMUM OUTPUT POWER

Test Mode : TX A Mode				
Test Channel	Frequency (MHz)	Output Power (dBm)	Limit (dBm)	Limit (Watt)
CH149	5745	21.71	30	1
CH157	5785	21.73	30	1
CH165	5825	21.54	30	1

Test Mode : TX N-20M Mode_ANT 1				
Test Channel	Frequency (MHz)	Output Power (dBm)	Limit (dBm)	Limit (Watt)
CH149	5745	20.87	30	1
CH157	5785	20.82	30	1
CH165	5825	20.63	30	1

Test Mode : TX N-20M Mode_ANT 2				
Test Channel	Frequency (MHz)	Output Power (dBm)	Limit (dBm)	Limit (Watt)
CH149	5745	20.14	30	1
CH157	5785	20.09	30	1
CH165	5825	20.03	30	1

Test Mode : TX N-20M Mode_Total				
Test Channel	Frequency (MHz)	Output Power (dBm)	Limit (dBm)	Limit (Watt)
CH149	5745	23.53	30	1
CH157	5785	23.48	30	1
CH165	5825	23.35	30	1

Test Mode : TX N-40M Mode_ANT 1				
Test Channel	Frequency (MHz)	Output Power (dBm)	Limit (dBm)	Limit (Watt)
CH151	5755	20.72	30	1
CH159	5795	20.51	30	1

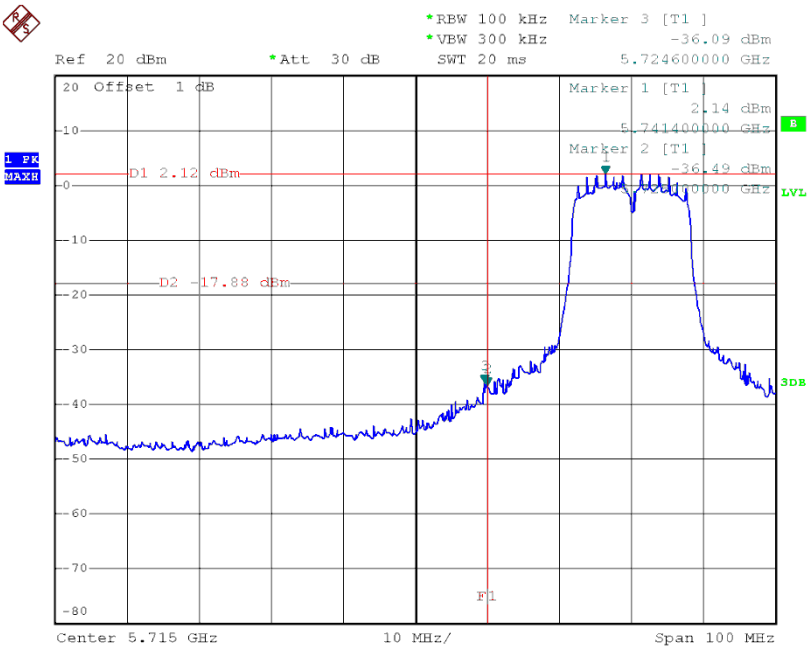
Test Mode : TX N-40M Mode_ANT 2				
Test Channel	Frequency (MHz)	Output Power (dBm)	Limit (dBm)	Limit (Watt)
CH151	5755	19.82	30	1
CH159	5795	19.43	30	1

Test Mode : TX N-40M Mode_Total				
Test Channel	Frequency (MHz)	Output Power (dBm)	Limit (dBm)	Limit (Watt)
CH151	5755	23.30	30	1
CH159	5795	23.01	30	1

ATTACHMENT G – ANTENNA CONDUCTED SPURIOUS EMISSION

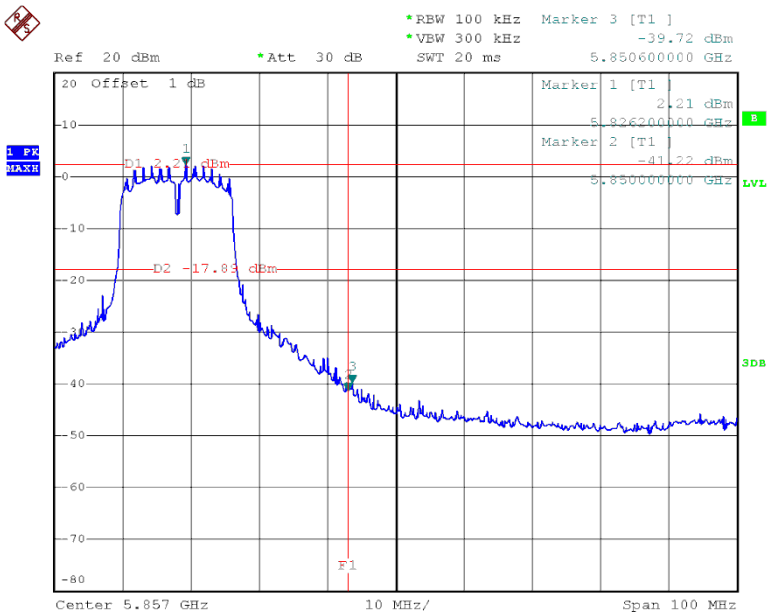
Test Mode :	TX A Mode

TX A Mode CH149



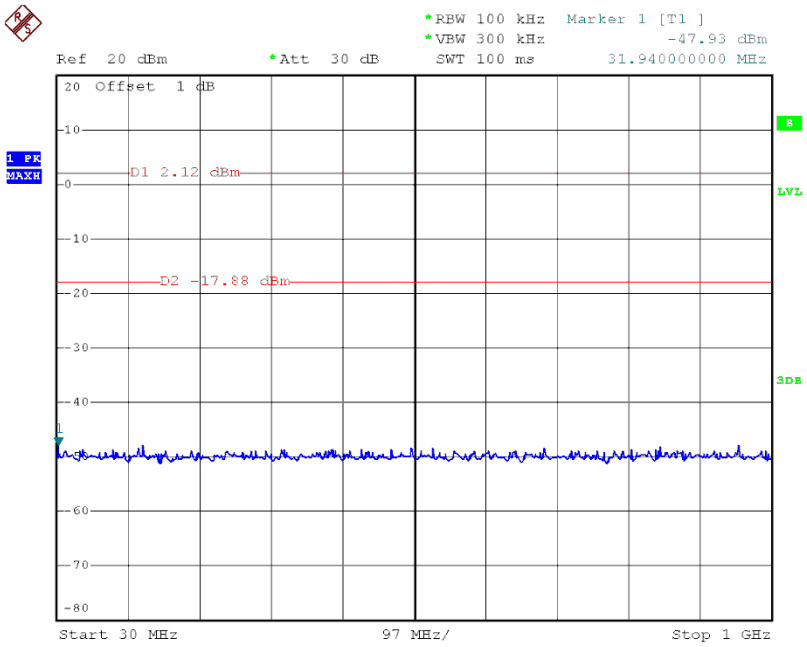
Date: 8.JUL.2014 17:36:52

TX A Mode CH165



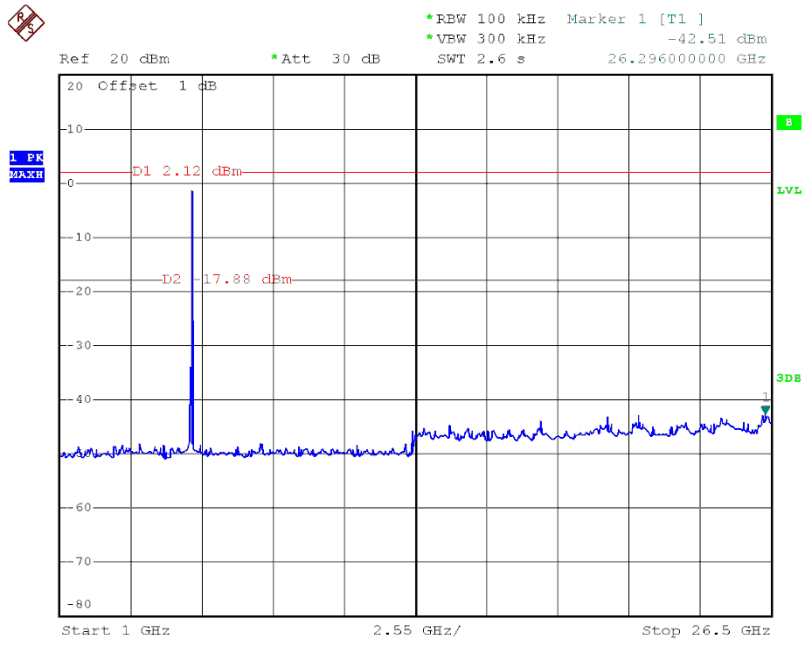
Date: 8.JUL.2014 17:43:40

TX A Mode CH149 (30MHz to 1000MHz)



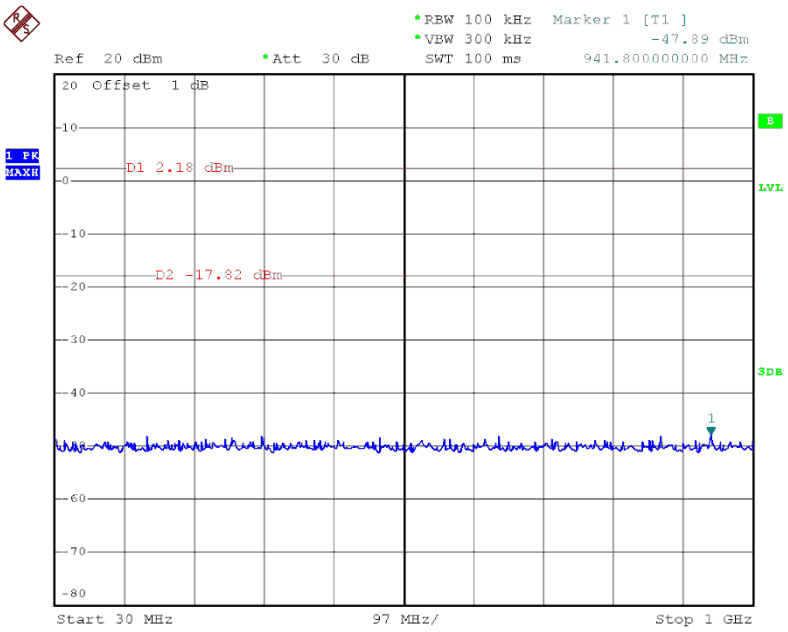
Date: 8.JUL.2014 17:39:39

TX A Mode CH149 (1000MHz to 10th Harmonic)



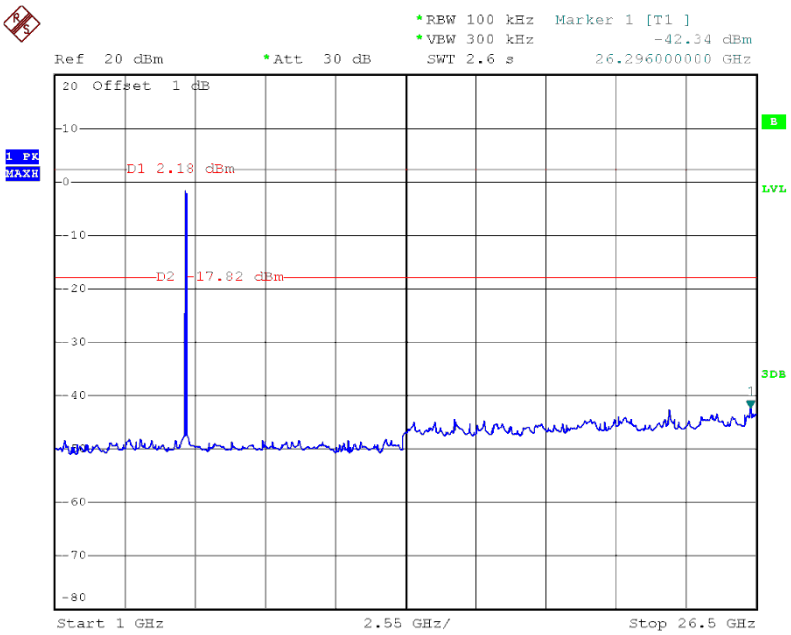
Date: 8.JUL.2014 17:40:02

TX A Mode CH157 (30MHz to 1000MHz)



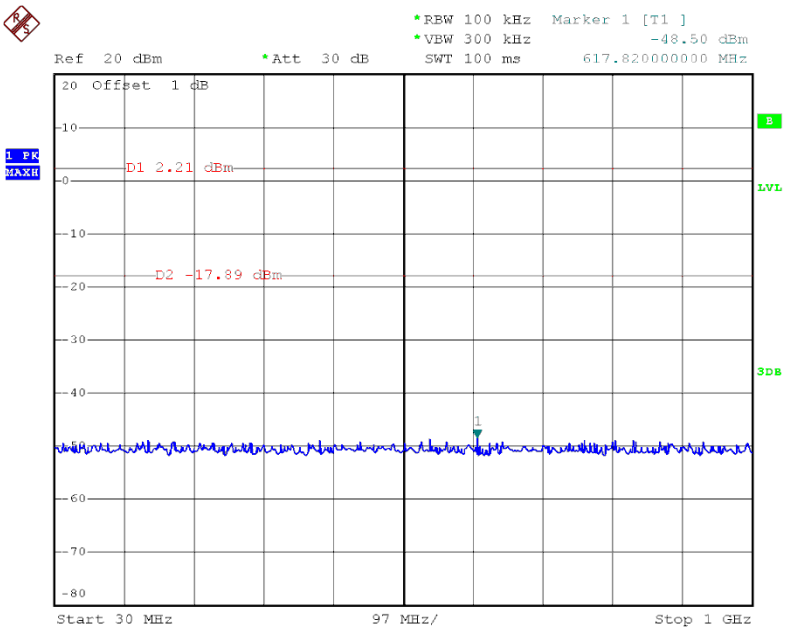
Date: 8.JUL.2014 17:47:28

TX A Mode CH157 (1000MHz to 10th Harmonic)



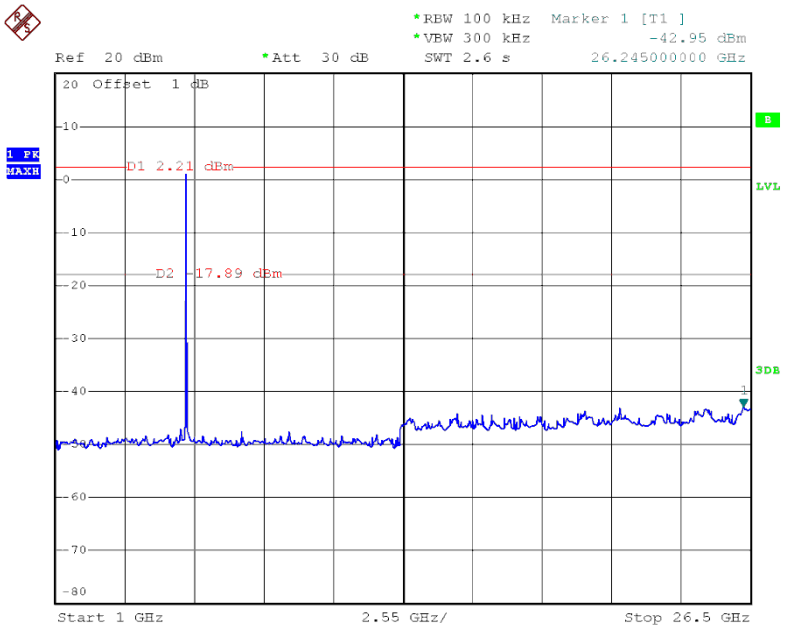
Date: 8.JUL.2014 17:47:00

TX A Mode CH165 (30MHz to 1000MHz)



Date: 8.JUL.2014 17:44:22

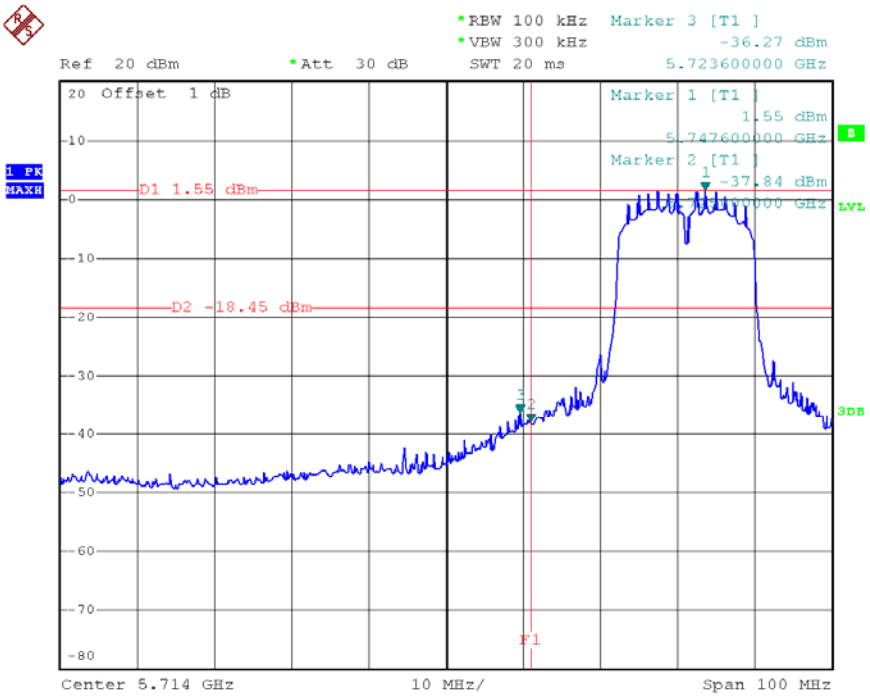
TX A Mode CH165 (1000MHz to 10th Harmonic)



Date: 8.JUL.2014 17:44:52

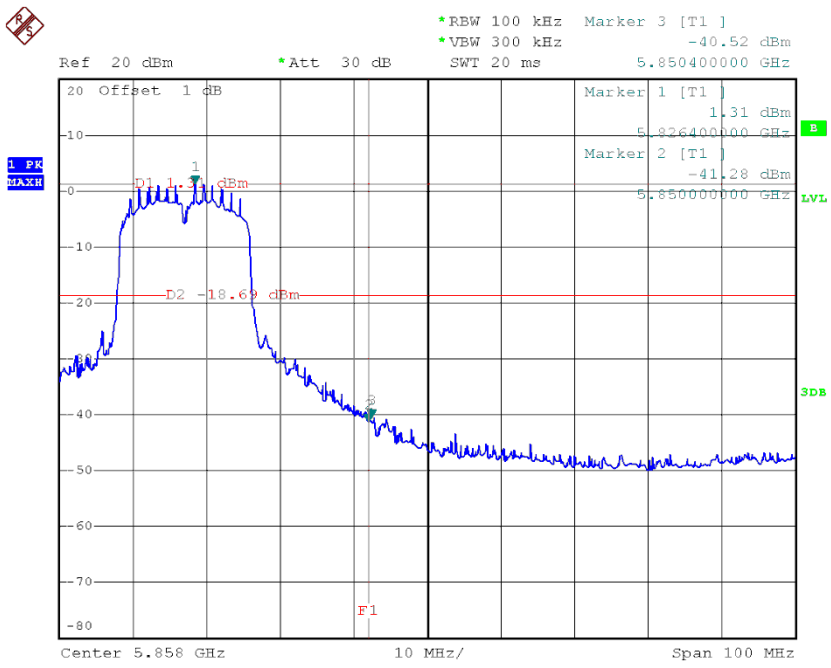
Test Mode :	TX N-20M Mode_ANT 1

TX HT20 mode CH149



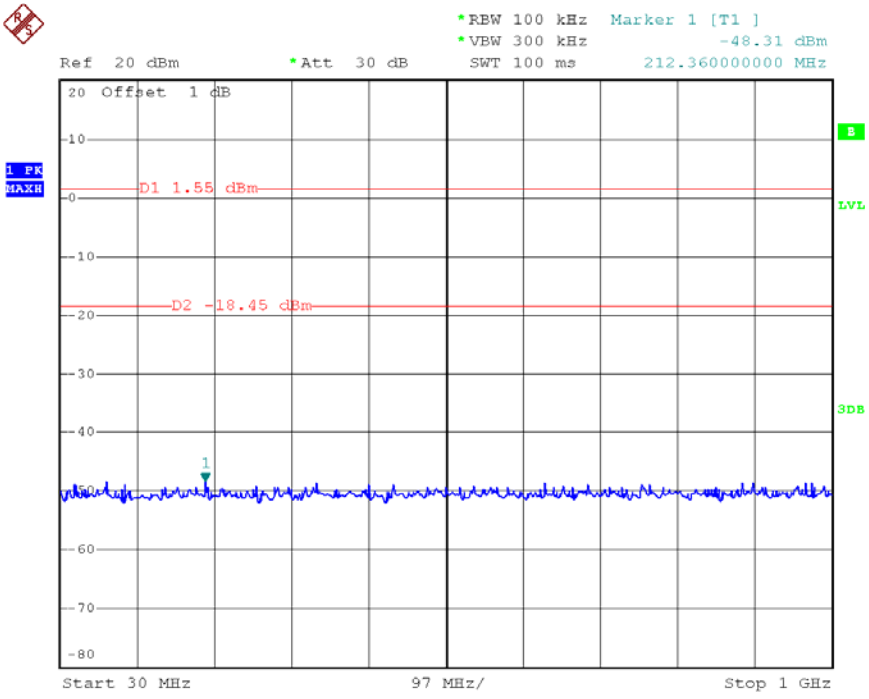
Date: 8.JUL.2014 17:53:06

TX HT20 mode CH165



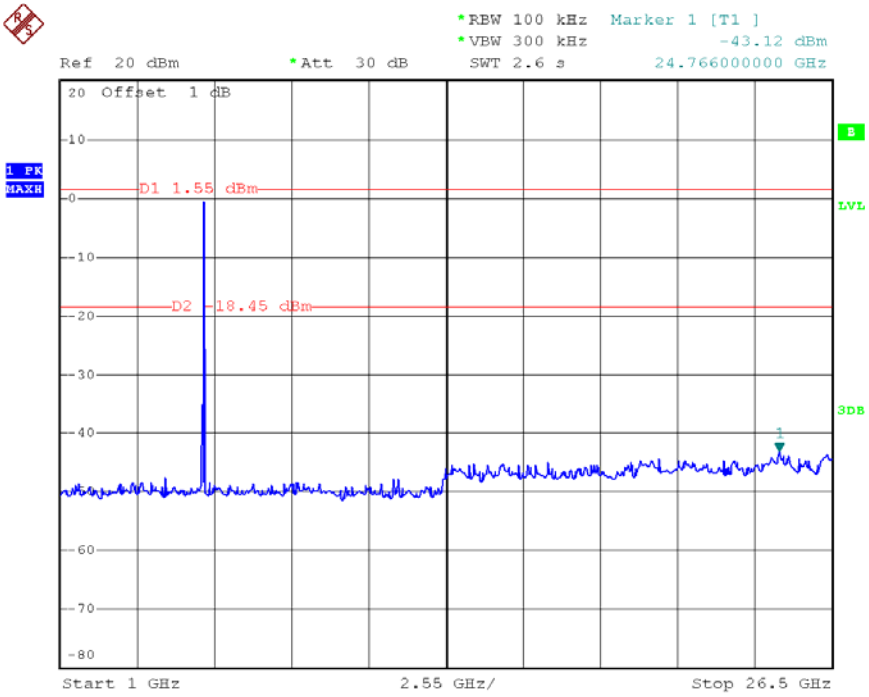
Date: 8.JUL.2014 18:03:08

TX HT20 mode CH149 (30MHz to 1000MHz)



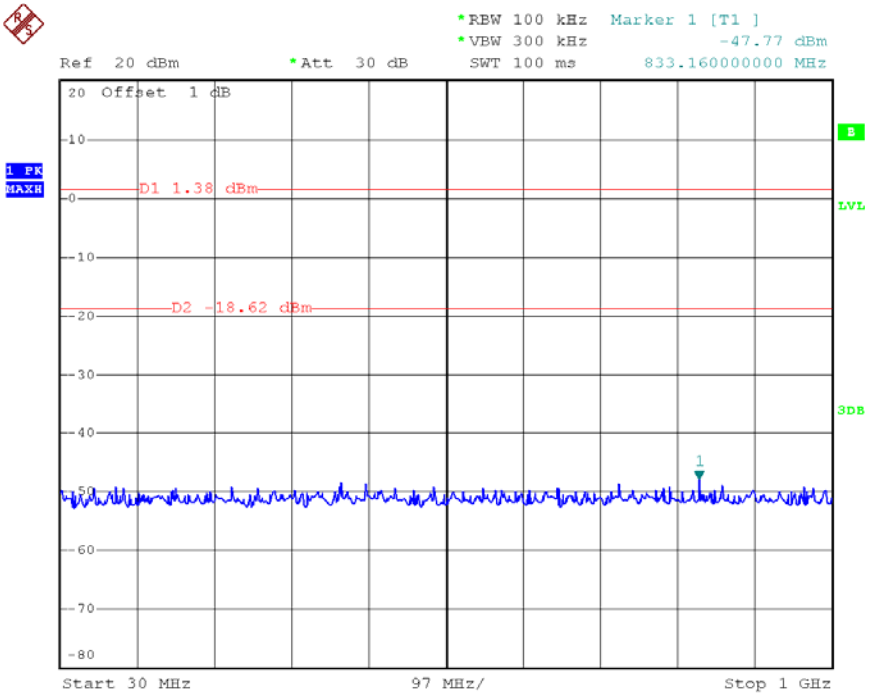
Date: 8.JUL.2014 17:55:12

TX HT20 mode CH149 (1000MHz to 10th Harmonic)



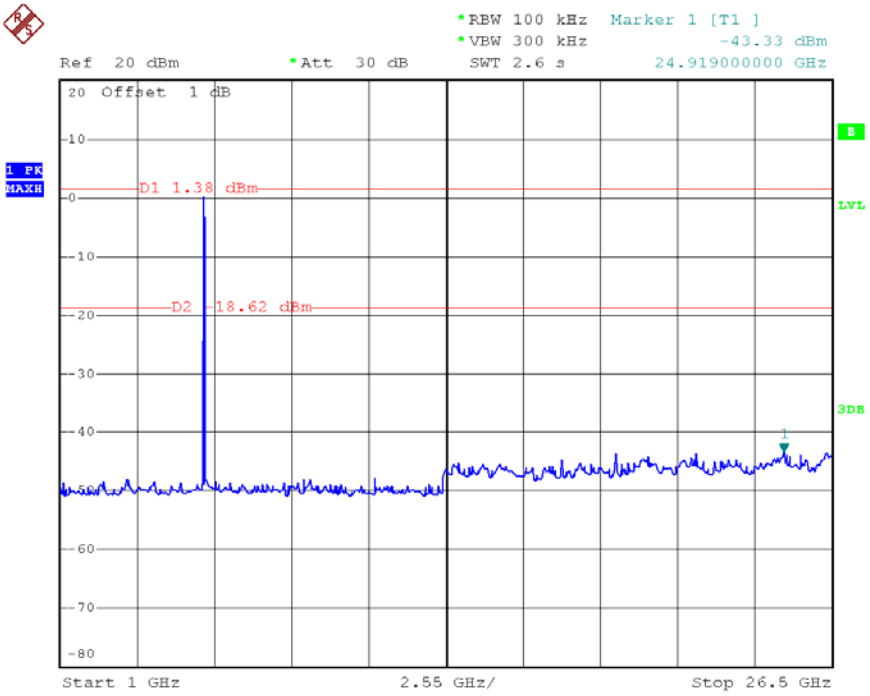
Date: 8.JUL.2014 17:55:30

TX HT20 mode CH157 (30MHz to 1000MHz)



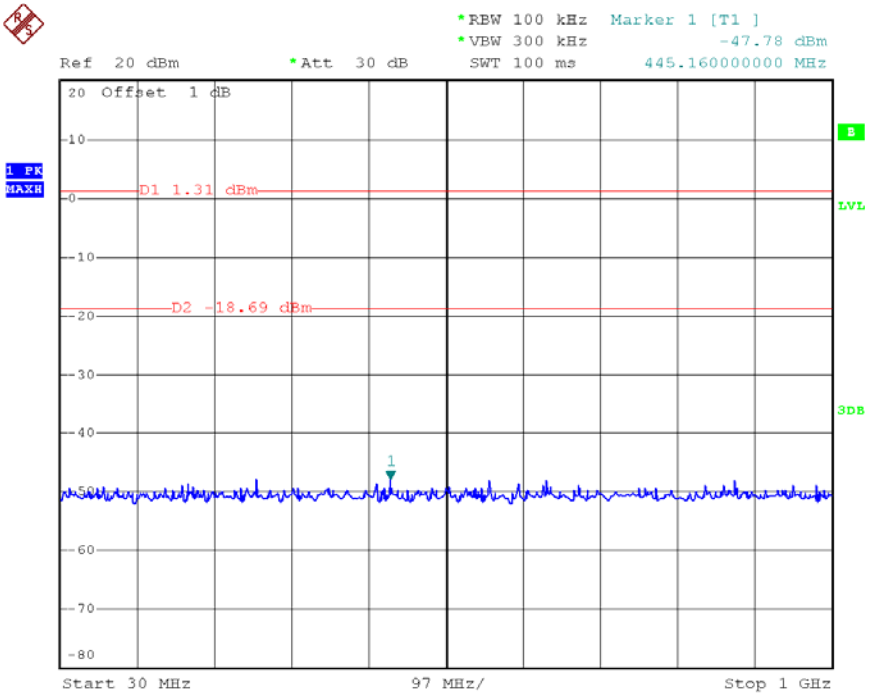
Date: 8.JUL.2014 18:08:36

TX HT20 mode CH157 (1000MHz to 10th Harmonic)



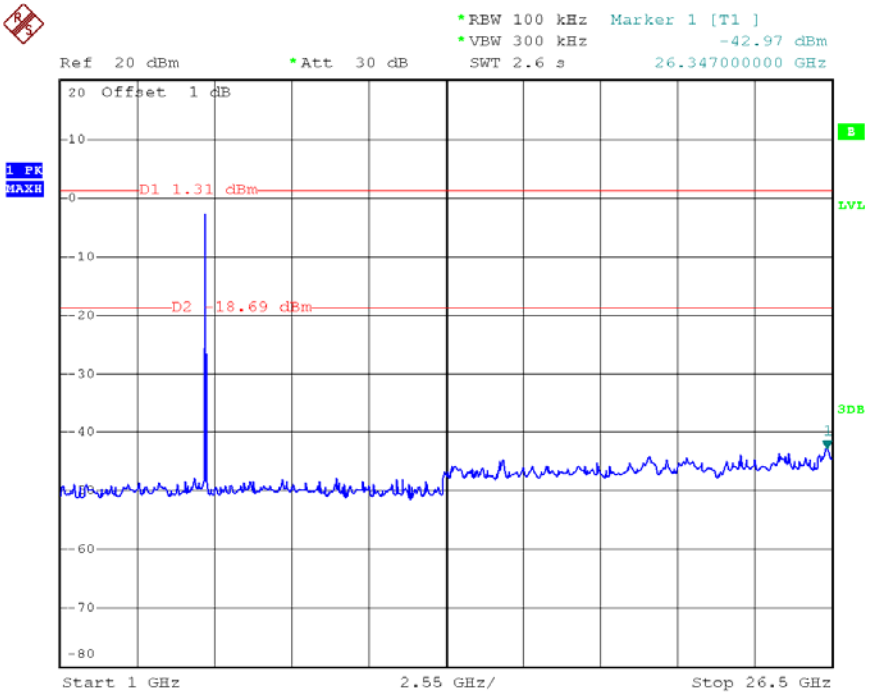
Date: 8.JUL.2014 18:08:55

TX HT20 mode CH165 (30MHz to 1000MHz)



Date: 8.JUL.2014 18:04:16

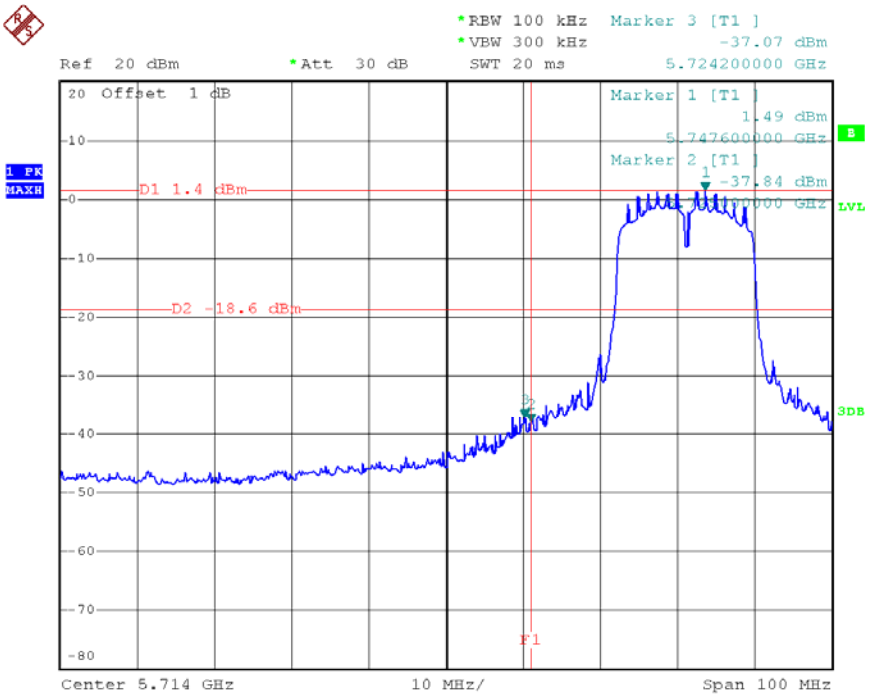
TX HT20 mode CH165 (1000MHz to 10th Harmonic)



Date: 8.JUL.2014 18:04:35

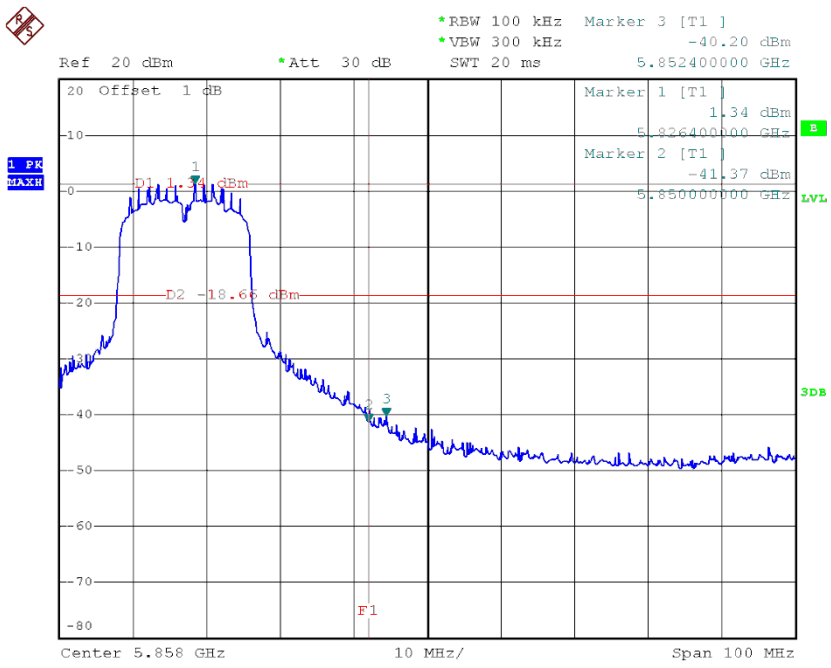
Test Mode :	TX N-20M Mode_ANT 2

TX HT20 mode CH149



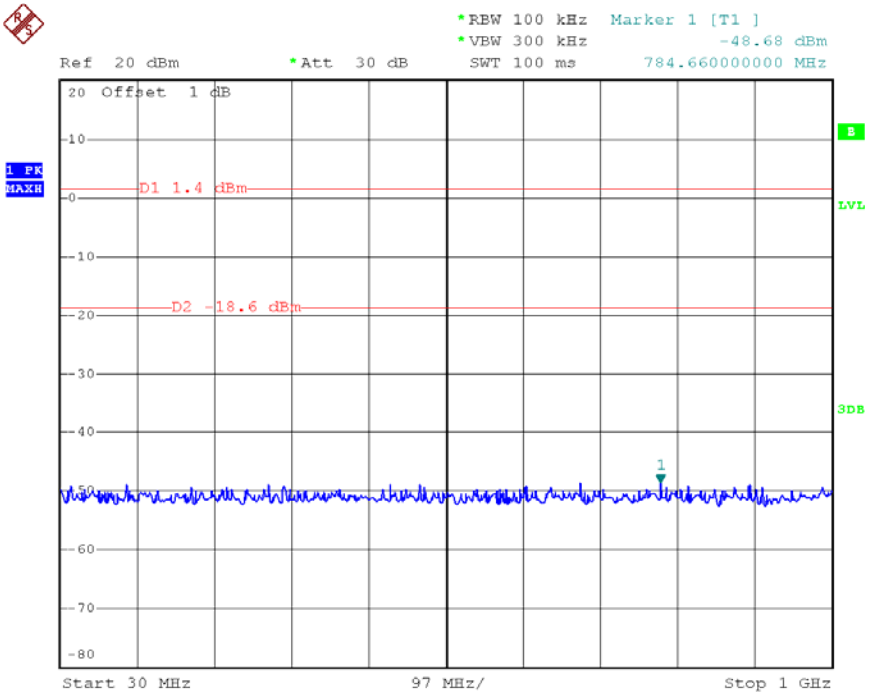
Date: 8.JUL.2014 17:52:04

TX HT20 mode CH165



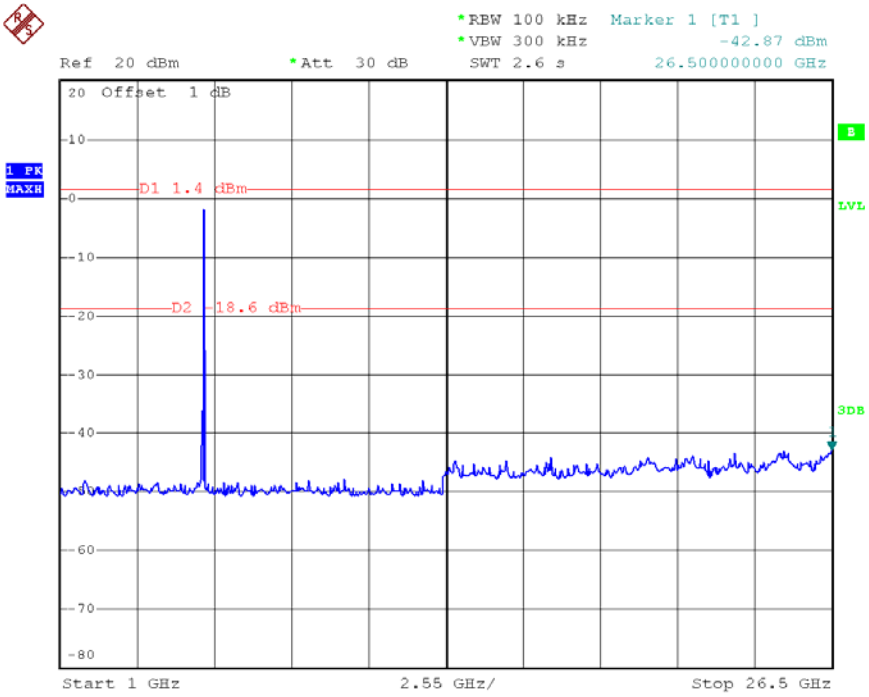
Date: 8.JUL.2014 18:02:04

TX HT20 mode CH149 (30MHz to 1000MHz)



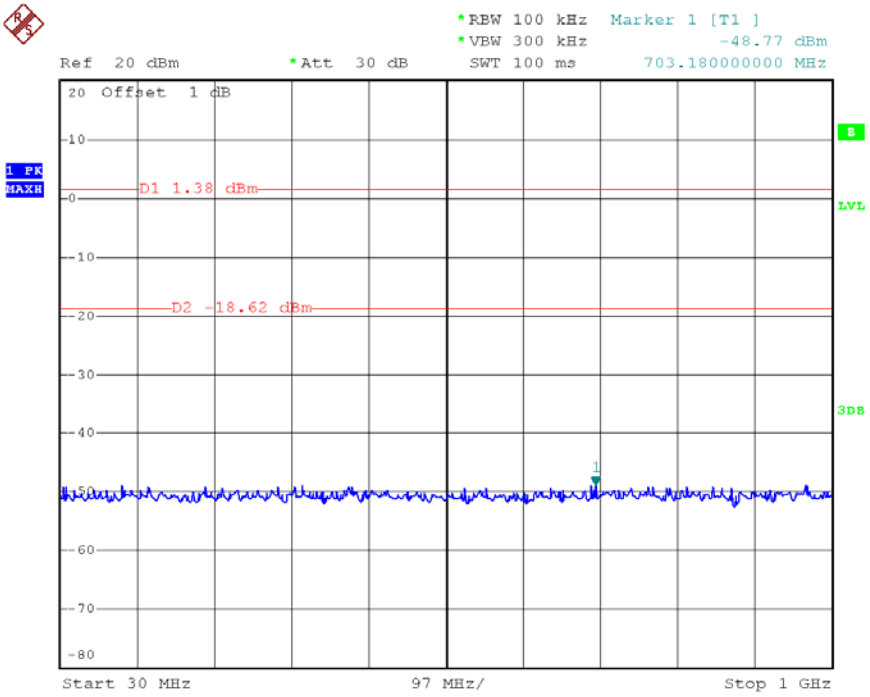
Date: 8.JUL.2014 17:58:15

TX HT20 mode CH149 (1000MHz to 10th Harmonic)



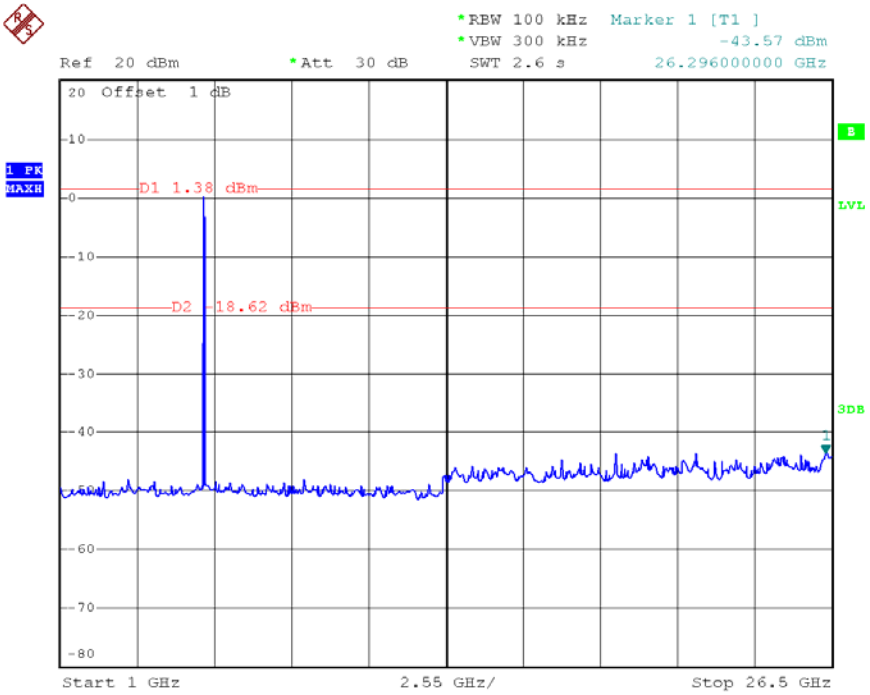
Date: 8.JUL.2014 17:58:05

TX HT20 mode CH157 (30MHz to 1000MHz)



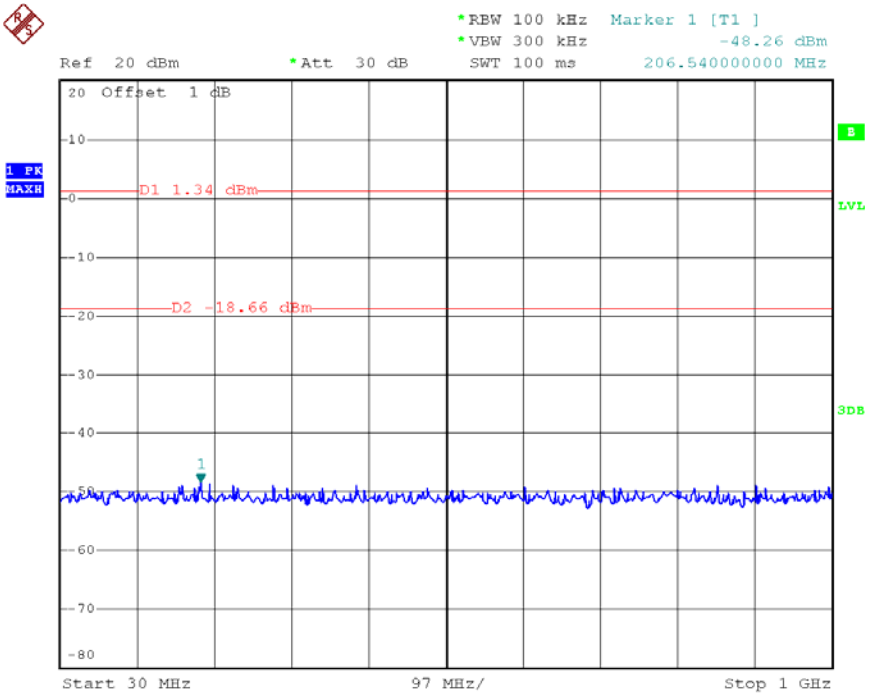
Date: 8.JUL.2014 18:08:24

TX HT20 mode CH157 (1000MHz to 10th Harmonic)



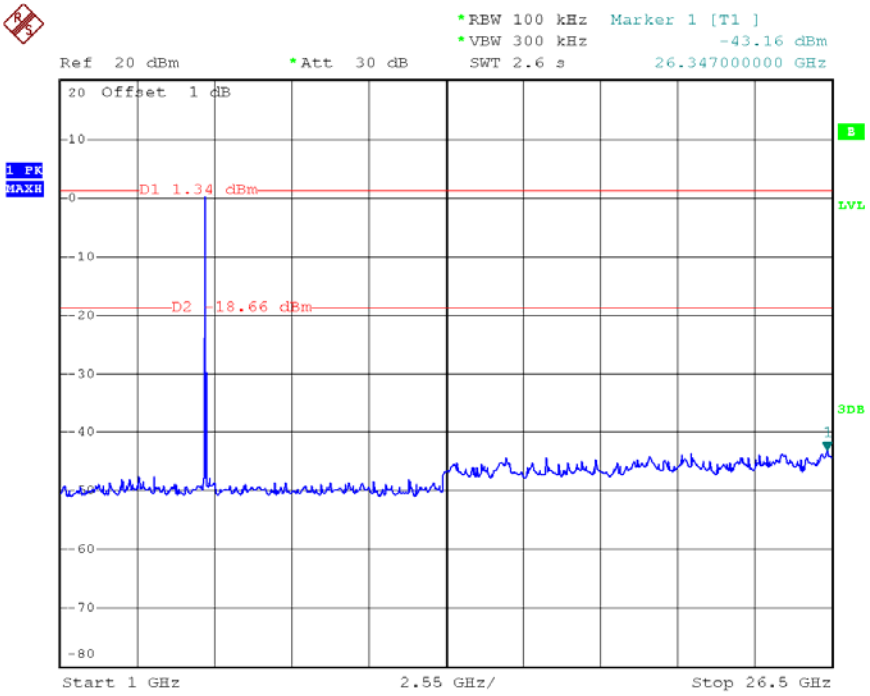
Date: 8.JUL.2014 18:08:49

TX HT20 mode CH165 (30MHz to 1000MHz)



Date: 8.JUL.2014 18:06:12

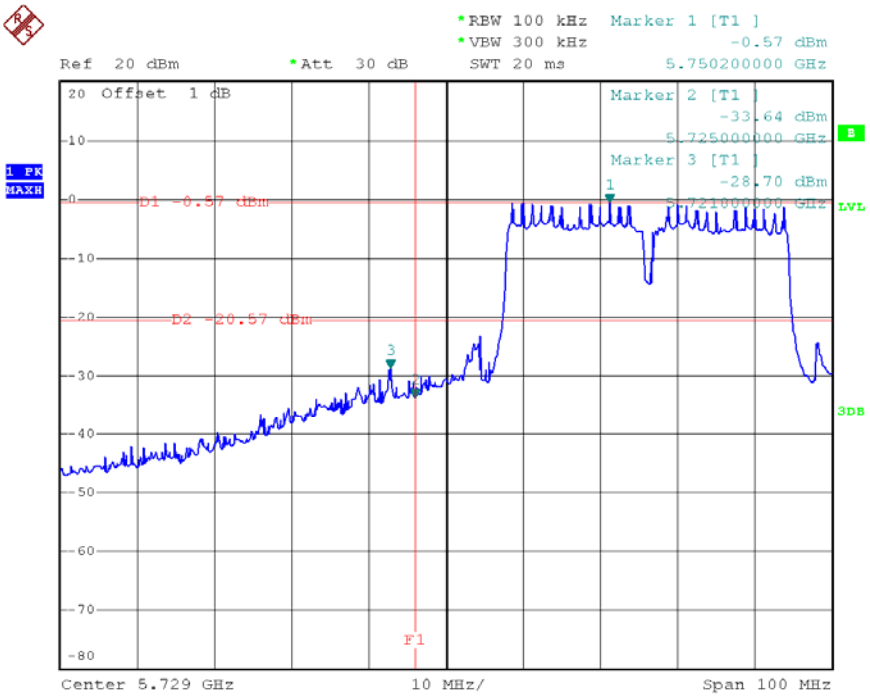
TX HT20 mode CH165 (1000MHz to 10th Harmonic)



Date: 8.JUL.2014 18:06:00

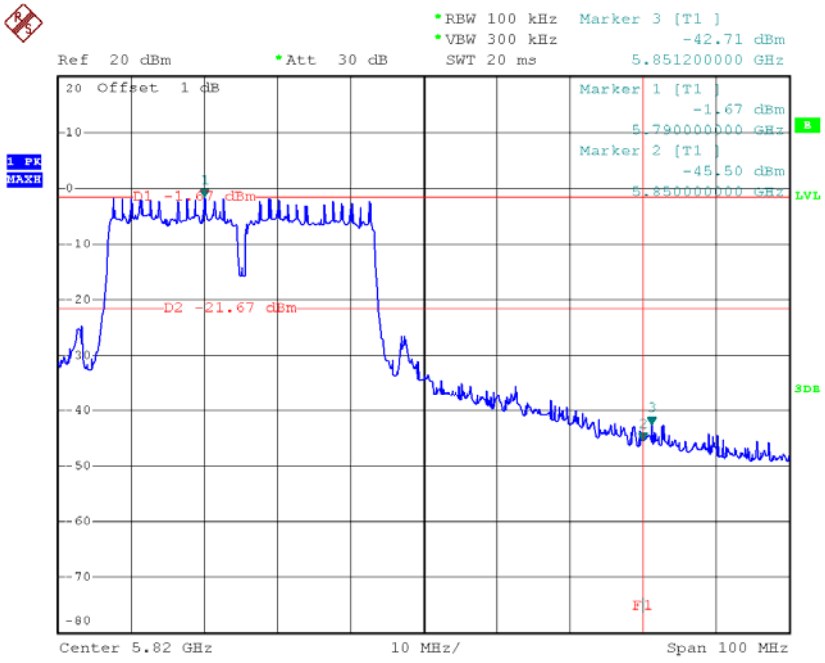
Test Mode :	TX N-40M Mode_ANT 1

TX HT40 mode CH151



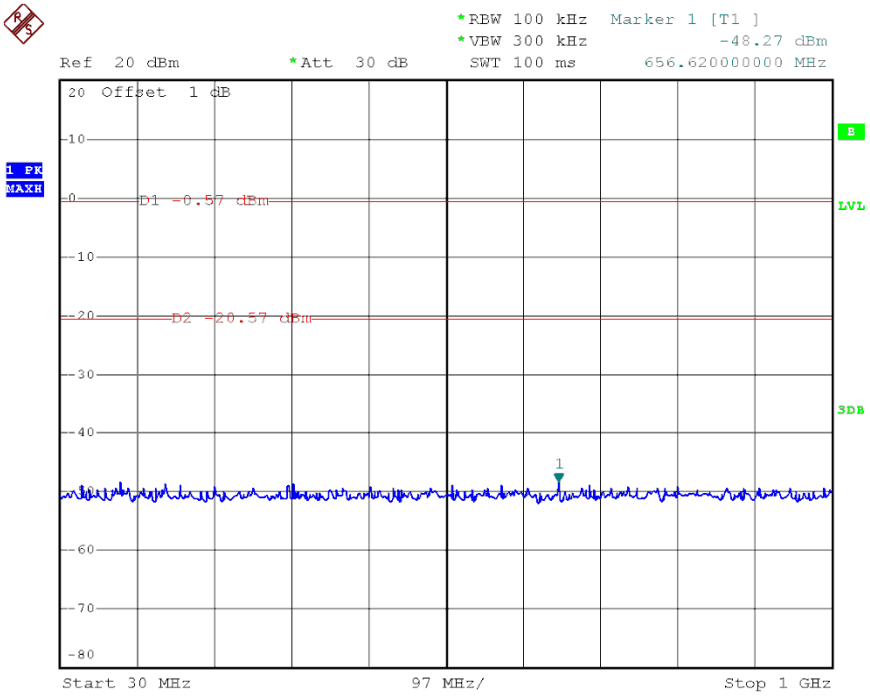
Date: 8.JUL.2014 18:54:36

TX HT40 mode CH159



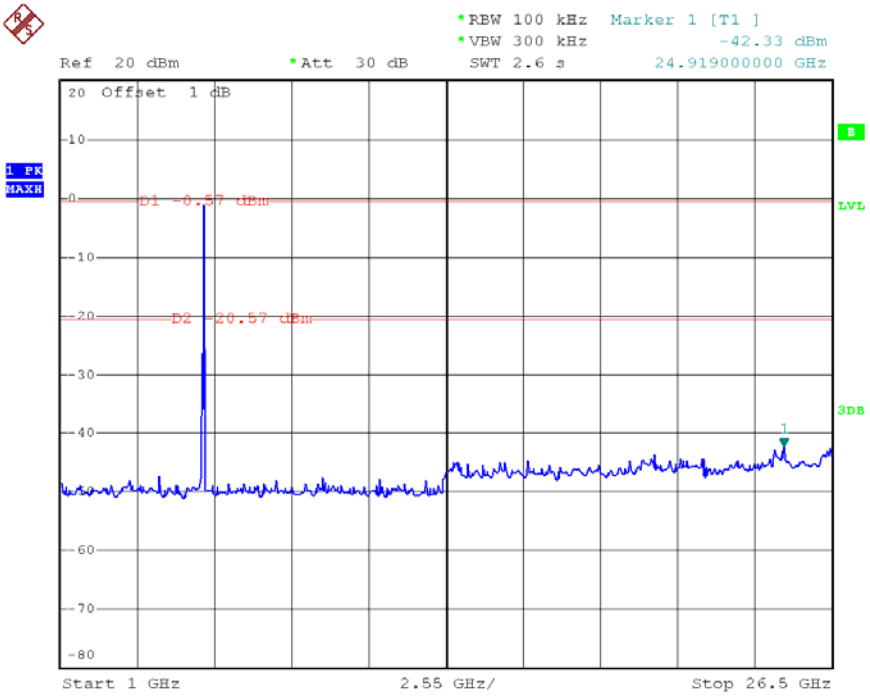
Date: 8.JUL.2014 19:01:29

TX HT40 mode CH151 (30MHz to 1000MHz)



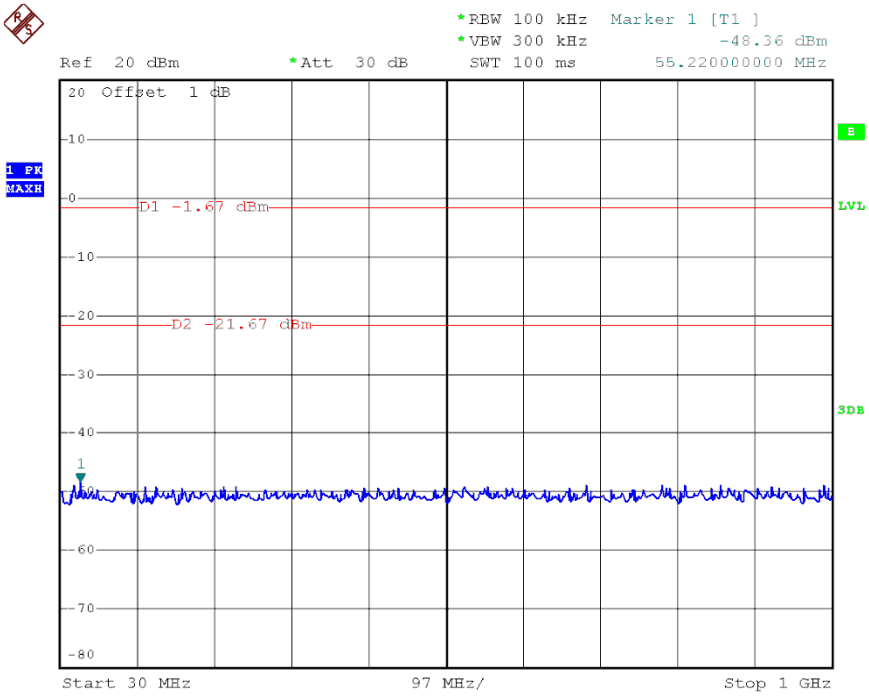
Date: 8.JUL.2014 18:55:33

TX HT40 mode CH151 (1000MHz to 10th Harmonic)



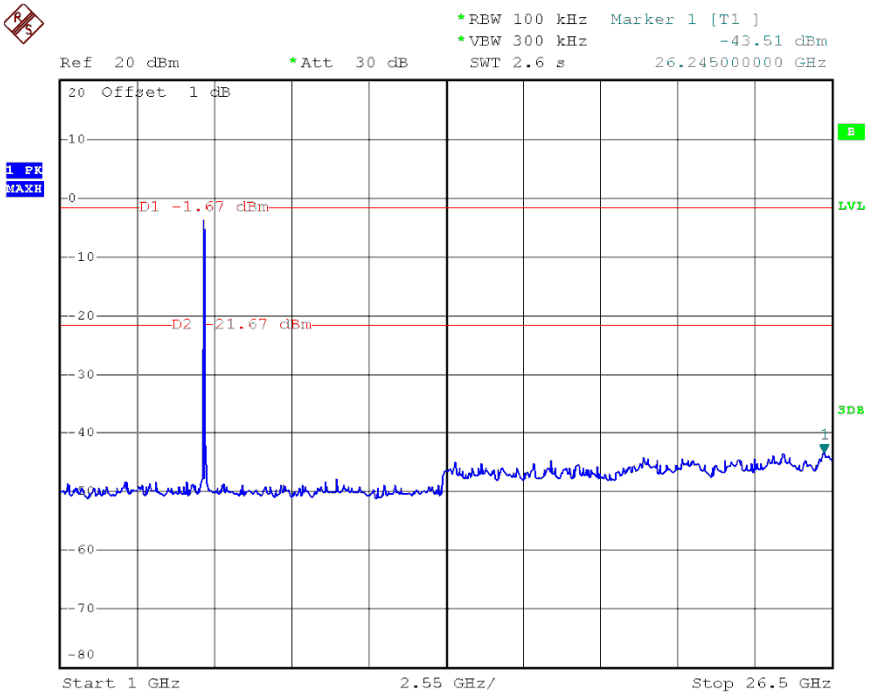
Date: 8.JUL.2014 18:55:55

TX HT40 mode CH159 (30MHz to 1000MHz)



Date: 8.JUL.2014 19:02:17

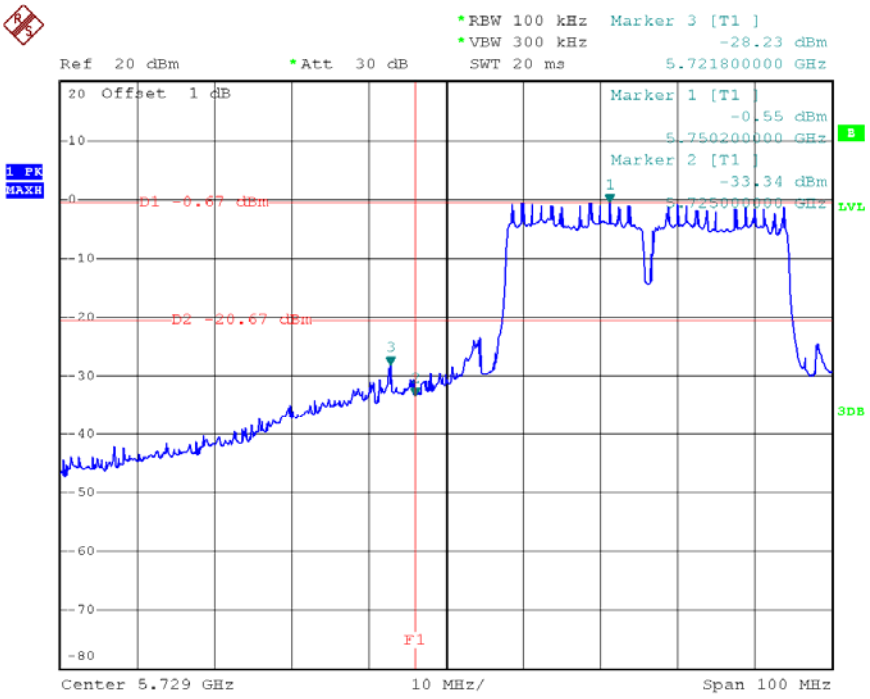
TX HT40 mode CH159 (1000MHz to 10th Harmonic)



Date: 8.JUL.2014 19:02:38

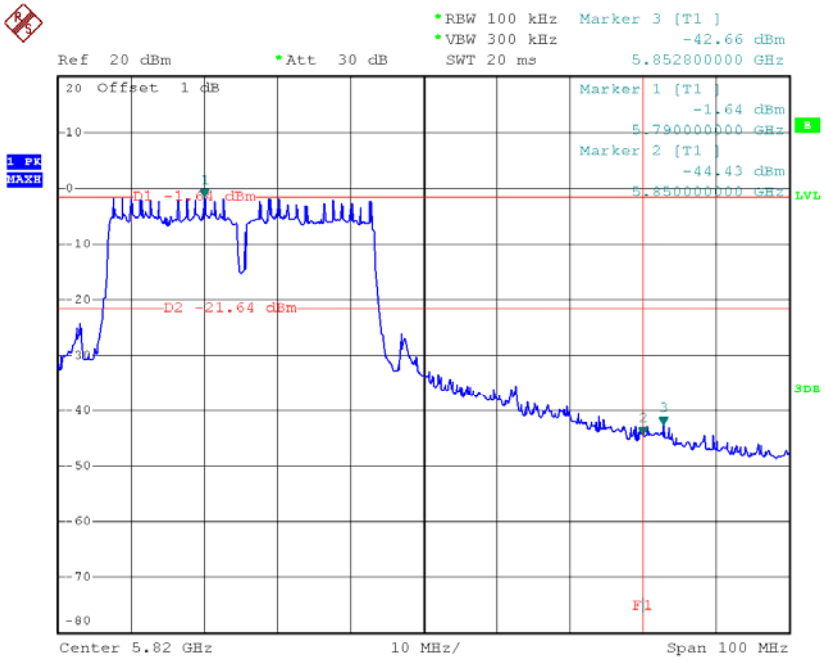
Test Mode :	TX N-40M Mode_ANT 2

TX HT40 mode CH151



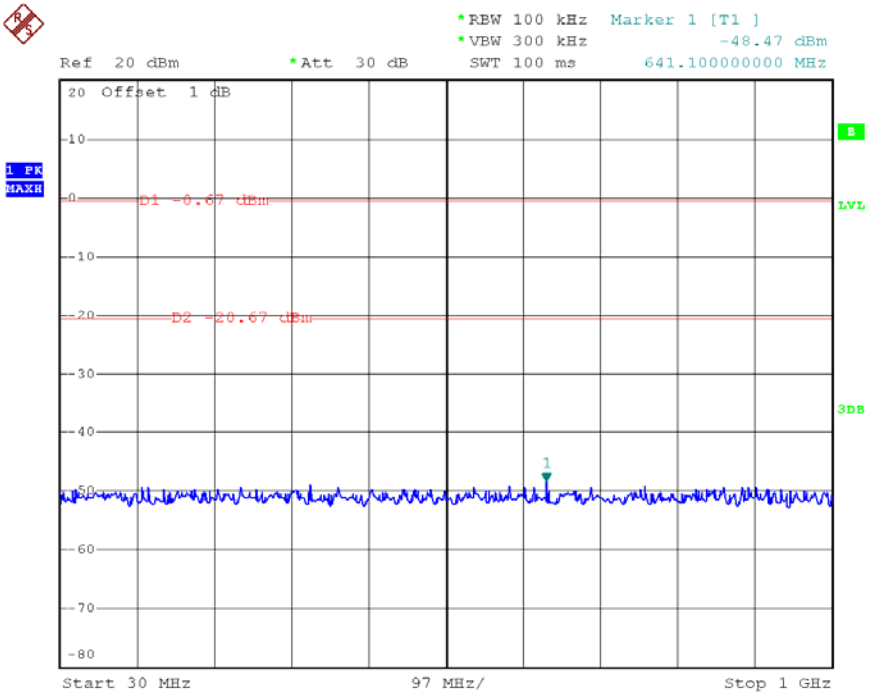
Date: 8.JUL.2014 18:53:53

TX HT40 mode CH159



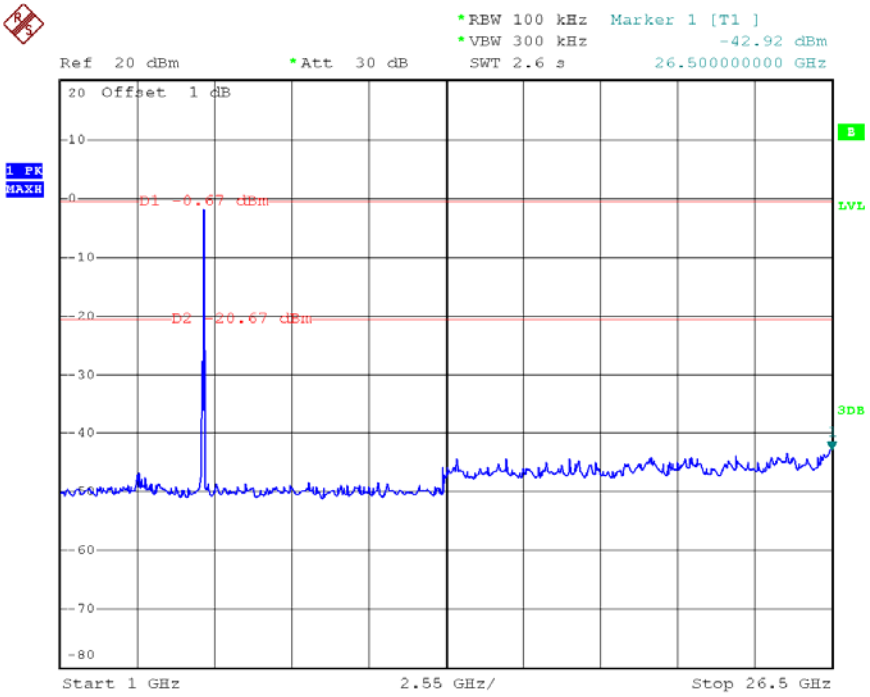
Date: 8.JUL.2014 19:00:25

TX HT40 mode CH151 (30MHz to 1000MHz)



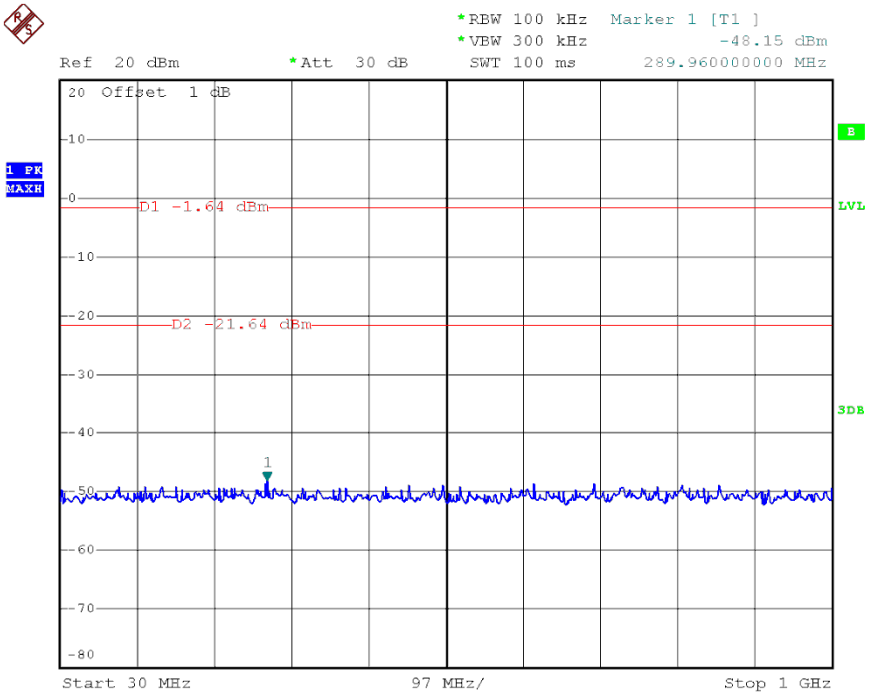
Date: 8.JUL.2014 18:56:54

TX HT40 mode CH151 (1000MHz to 10th Harmonic)



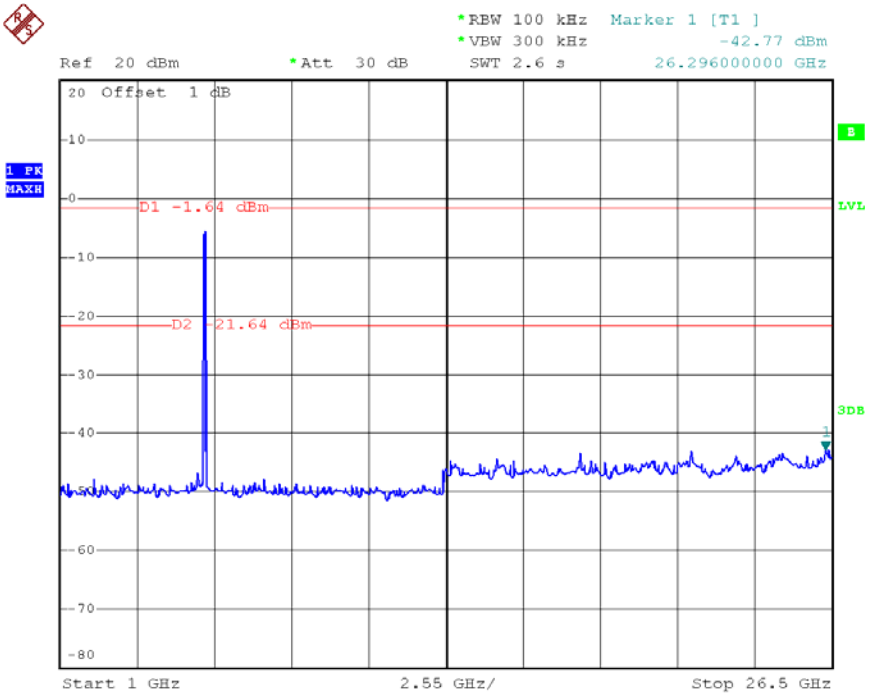
Date: 8.JUL.2014 18:56:44

TX HT40 mode CH159 (30MHz to 1000MHz)



Date: 8.JUL.2014 19:03:52

TX HT40 mode CH159 (1000MHz to 10th Harmonic)

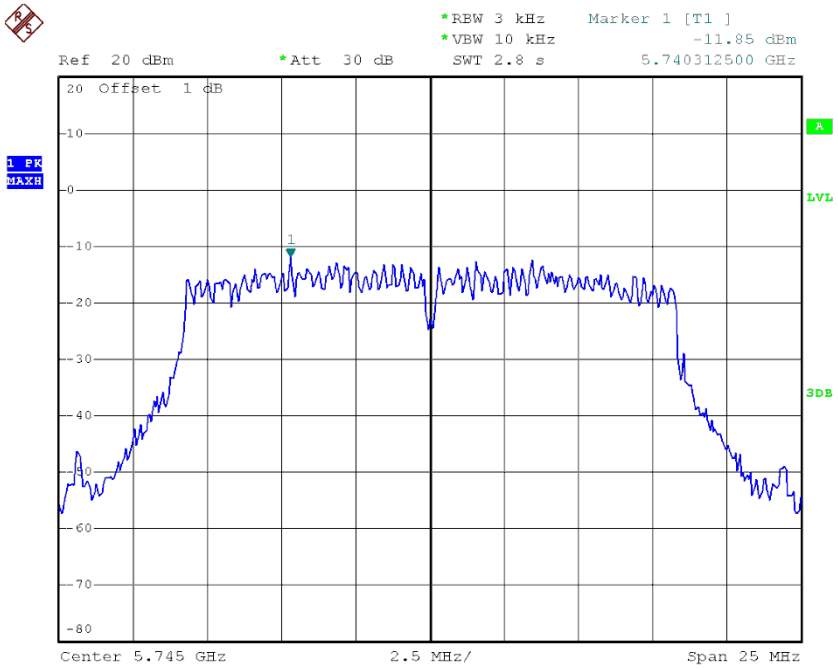


Date: 8.JUL.2014 19:03:40

ATTACHMENT H – POWER SPECTRAL DENSITY

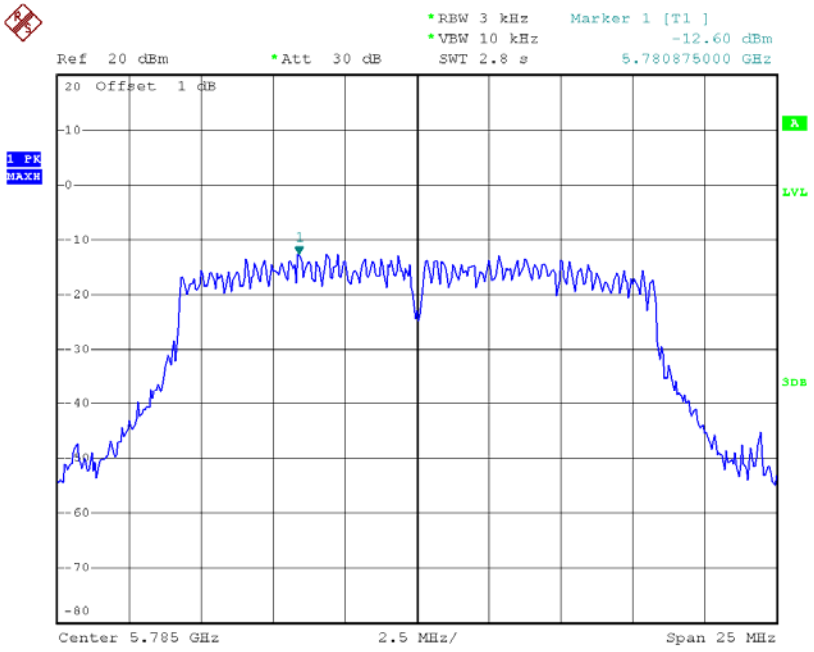
Test Mode :TX A Mode_CH149/157/165			
Test Channel	Frequency (MHz)	Power Density (dBm)	LIMIT (dBm)
CH149	5745 MHz	-11.85	8
CH157	5785 MHz	-12.60	8
CH165	5825 MHz	-13.37	8

TX CH149



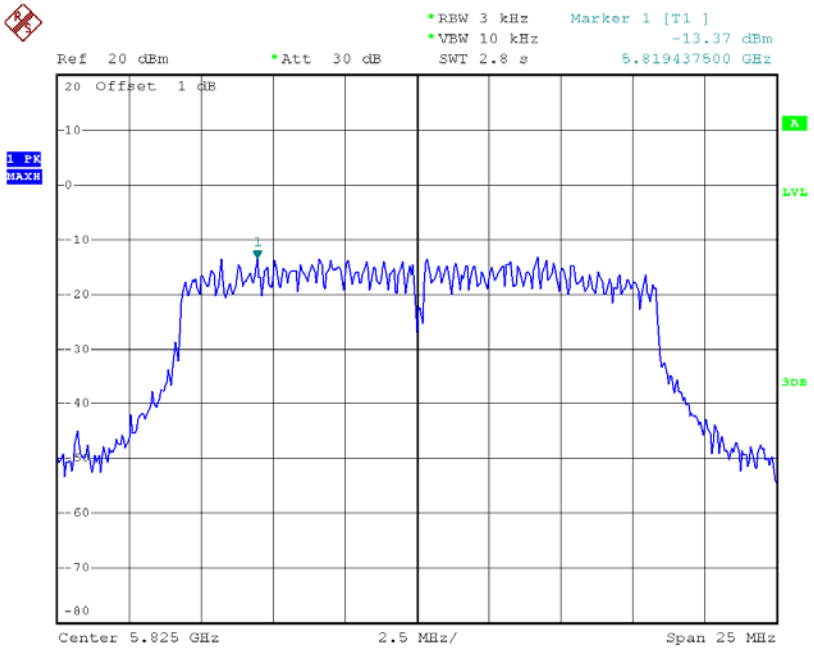
Date: 8.JUL.2014 17:29:22

TX CH157



Date: 8.JUL.2014 17:28:30

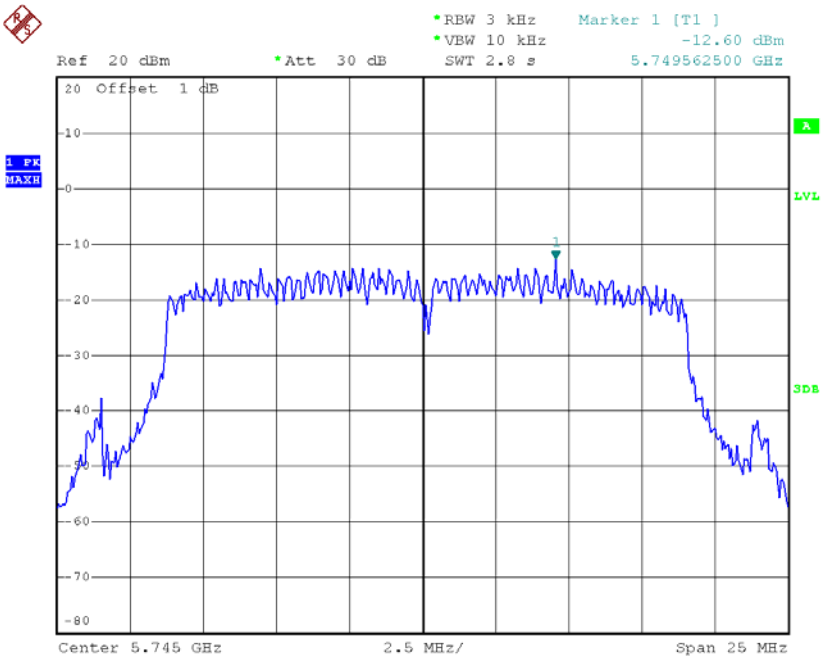
TX CH165



Date: 8.JUL.2014 17:23:59

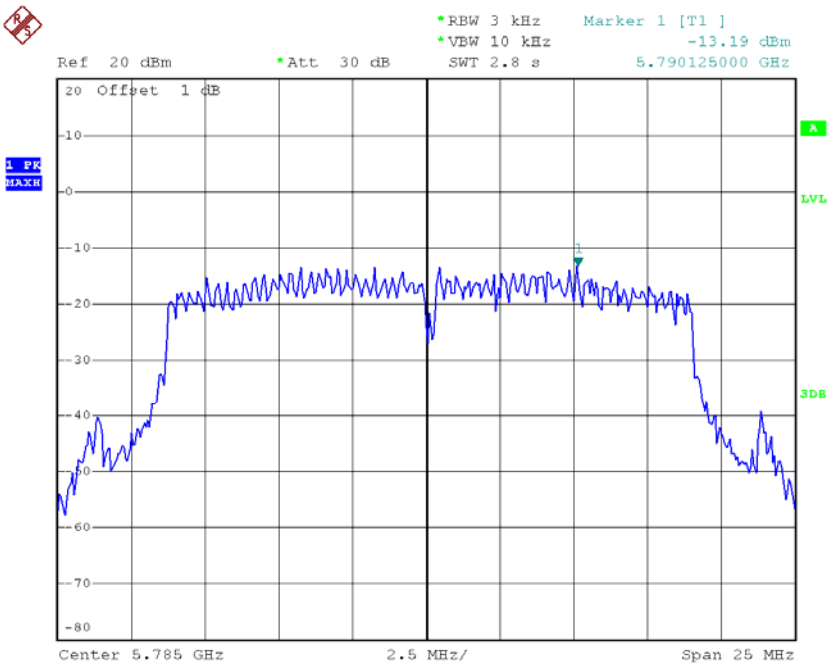
Test Mode : TX N-20M Mode_CH149/157/165_ANT 1			
Test Channel	Frequency (MHz)	Power Density (dBm)	Limit (dBm)
CH149	5745	-12.6	8
CH157	5785	-13.19	8
CH165	5825	-13.69	8

TX CH149



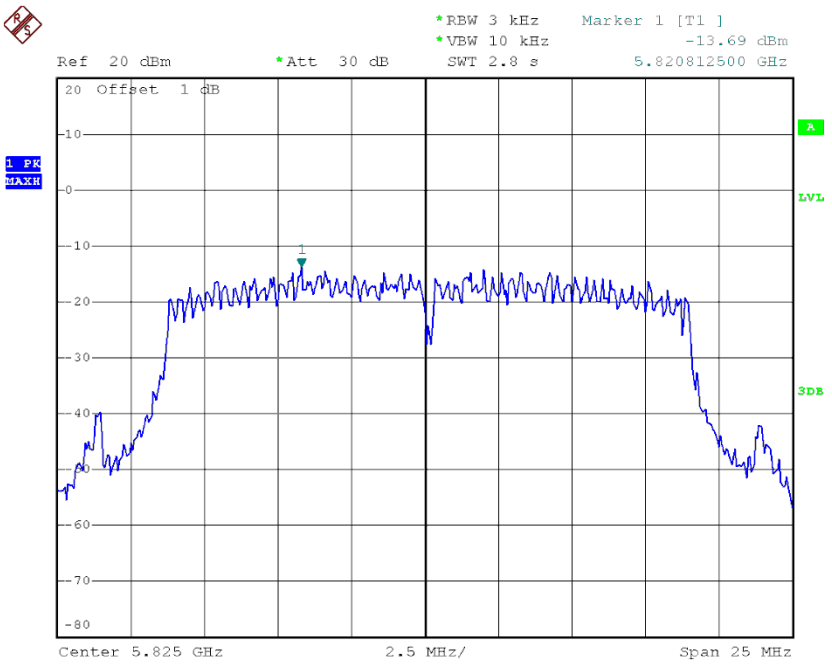
Date: 8.JUL.2014 17:13:33

TX CH157



Date: 8.JUL.2014 17:14:51

TX CH165

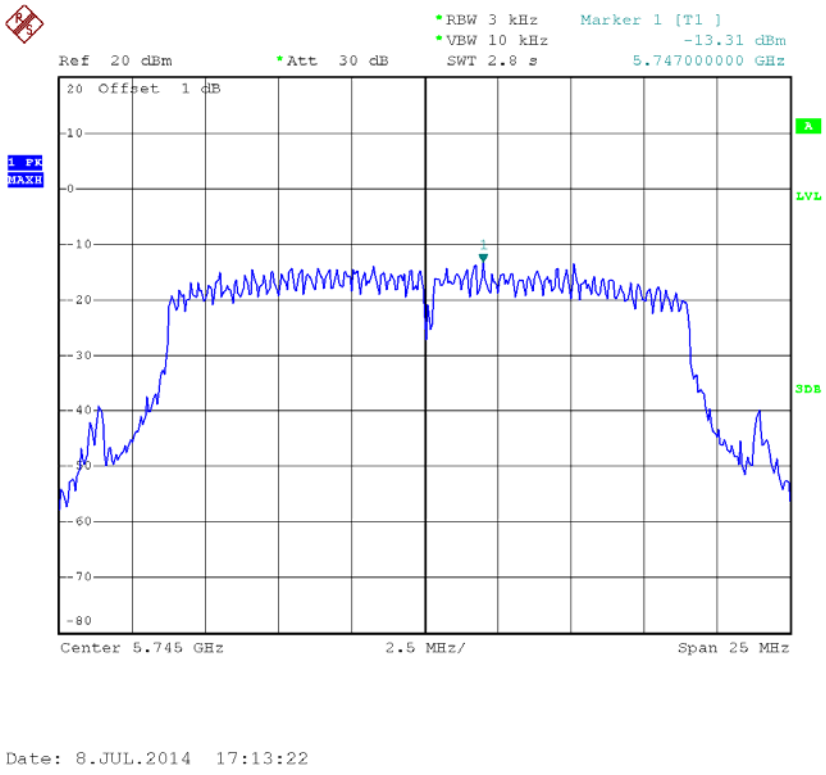


Date: 8.JUL.2014 17:21:35

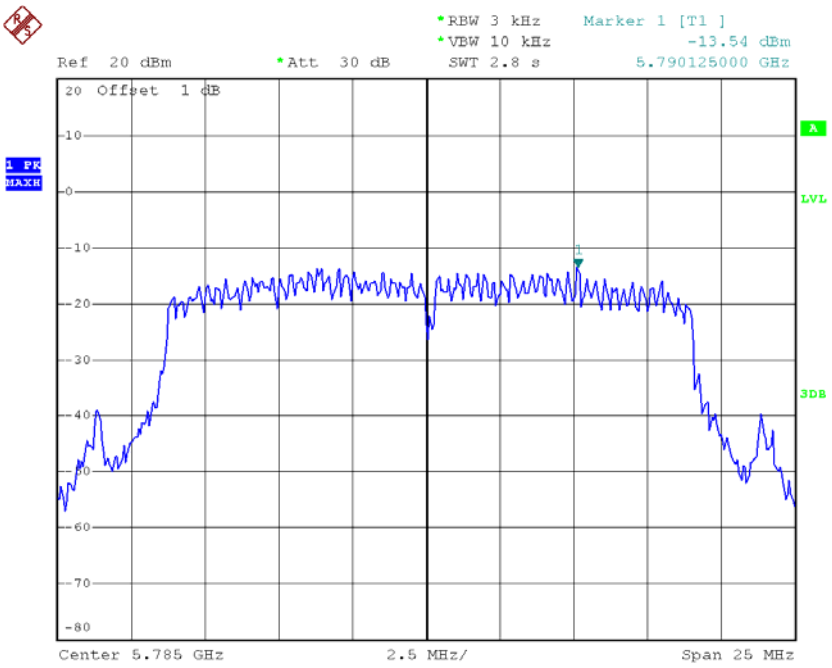
Test Mode : TX N-20M Mode_CH149/157/165_ANT 2			
Test Channel	Frequency (MHz)	Power Density (dBm)	Limit (dBm)
CH149	5745	-13.31	8
CH157	5785	-13.54	8
CH165	5825	-13.99	8

Test Mode : TX N-20M Mode_CH149/157/165_Total			
Test Channel	Frequency (MHz)	Power Density (dBm)	Limit (dBm)
CH149	5745	-9.93	8
CH157	5785	-10.35	8
CH165	5825	-10.83	8

TX CH149

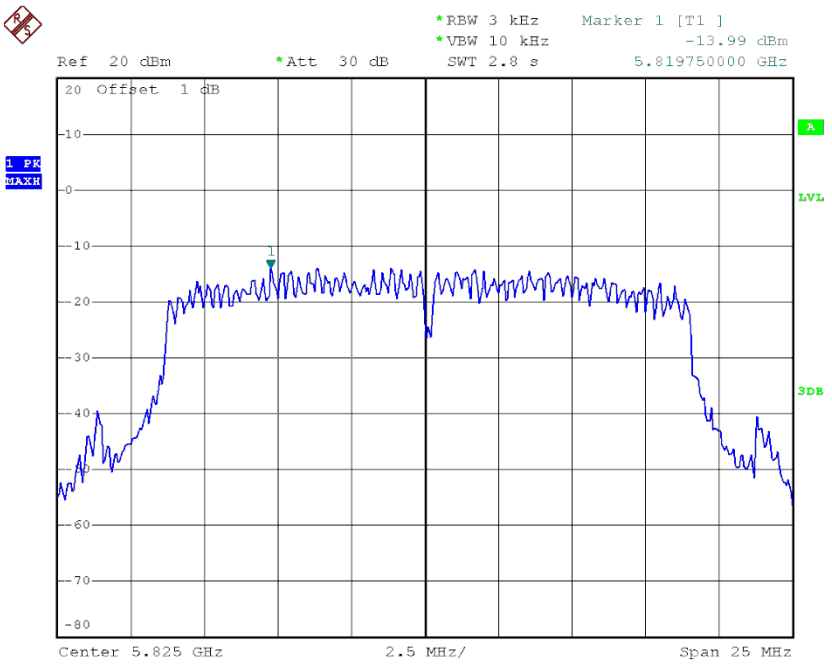


TX CH157



Date: 8.JUL.2014 17:14:32

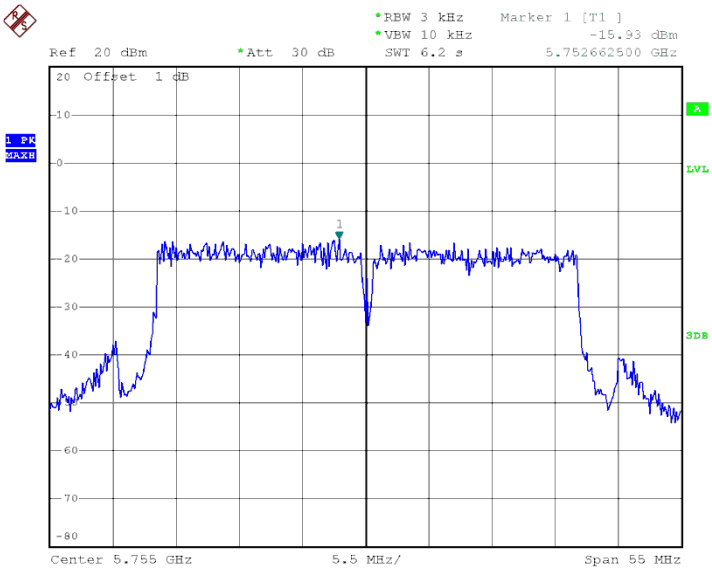
TX CH165



Date: 8.JUL.2014 17:21:24

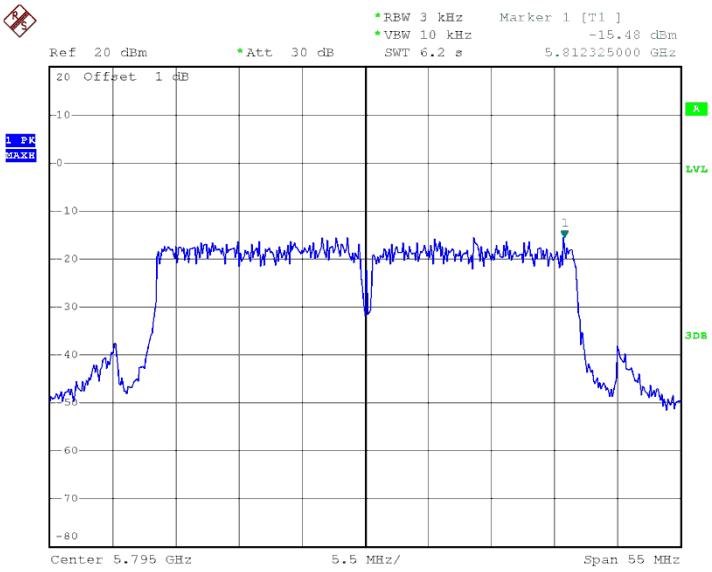
Test Mode : TX N-40M Mode_CH151/159_ANT 1			
Test Channel	Frequency (MHz)	Power Density (dBm)	Limit (dBm)
CH151	5755	-15.93	8
CH159	5795	-15.48	8

TX CH151



Date: 8.JUL.2014 17:03:20

TX CH159



Date: 8.JUL.2014 17:04:23

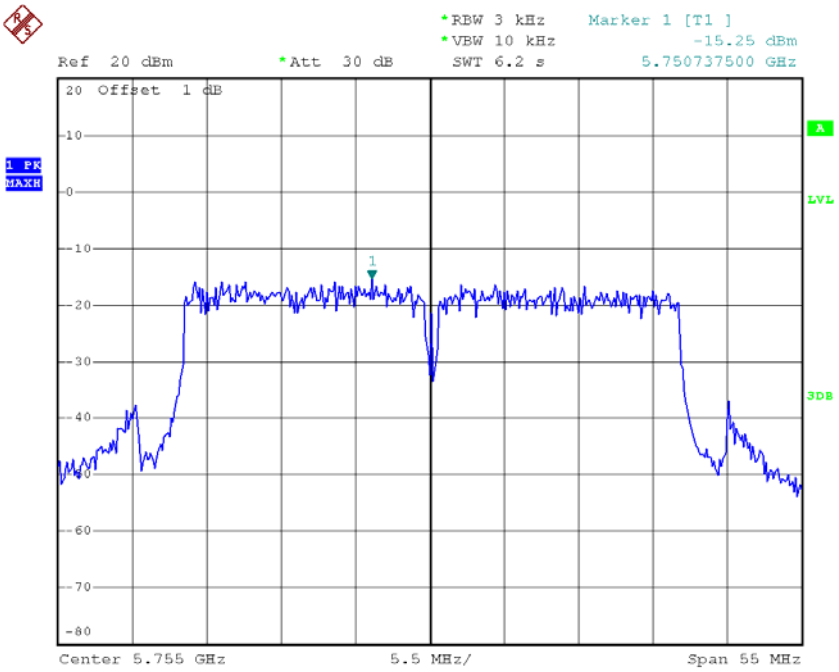
Test Mode : TX N-40M Mode_CH151/159_ANT 2			

Test Channel	Frequency (MHz)	Power Density (dBm)	Limit (dBm)
CH151	5755	-15.25	8
CH159	5795	-15.58	8

Test Mode : TX N-40M Mode_CH151/159_Total			

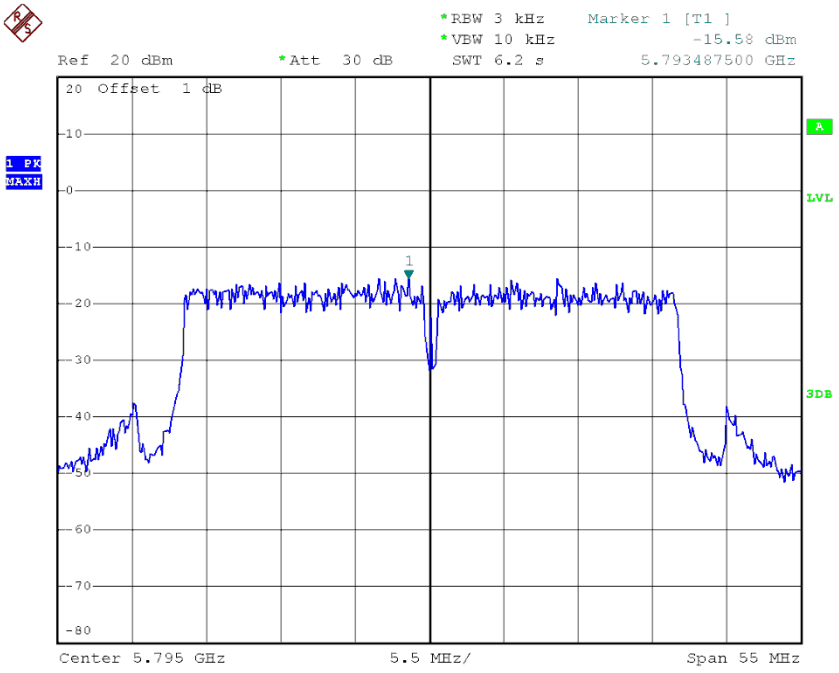
Test Channel	Frequency (MHz)	Power Density (dBm)	Limit (dBm)
CH151	5755	-12.57	8
CH159	5795	-12.52	8

TX CH151



Date: 8.JUL.2014 17:03:03

TX CH159



Date: 8.JUL.2014 17:04:16