



FCC Radio Test Report

FCC ID: V7TF1200

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

Project No. : 1406C099
Equipment : Wireless AC1200 Dual-band Router
Model Name : F1200
Applicant : SHENZHEN TENDA TECHNOLOGY CO.,LTD
Address : 6-8 Floor, Tower E3, No. 1001,
Zhongshanyuan Road, Nanshan District,
Shenzhen, China. 518052

Tested by: BTL Inc. EMC Laboratory
Date of Receipt: Jun. 16, 2014
Date of Test: Jun. 16, 2014 ~ Jul. 07, 2014
Issued Date: Jul. 07, 2014

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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-FCCP-2-1406C099	Original Issue.	Jul. 07, 2014

1. CERTIFICATION

Equipment : Wireless AC1200 Dual-band Router
Brand Name : Tenda
Model Name : F1200
Applicant : SHENZHEN TENDA TECHNOLOGY CO.,LTD
Manufacturer : SHENZHEN TENDA TECHNOLOGY CO.,LTD
Address : 6-8 Floor,Tower E3,No.1001,Zhongshanyuan Road,Nanshan District,
Shenzhen,China.518052
Date of Test : Jun. 16, 2014 ~ Jul. 07, 2014
Test Item : ENGINEERING SAMPLE
Standard(s) : FCC Part15, Subpart E(15.407) / ANSI C63.4 : 2009
FCC KDB 789033 D01 General UNII Test Procedures v01r03 .

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

The test data, data evaluation, and equipment configuration contained in our test report (Ref No. NEI-FCCP-2-1406C099) 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):

FCC Part15, Subpart E			
Standard(s) Section	Test Item	Judgment	Remark
FCC			
15.207	AC Power Line Conducted Emissions	PASS	
15.407(a)	26dB Spectrum Bandwidth	PASS	
15.407(a)	Maximum Conducted Output Power	PASS	
15.407(a)	Power Spectral Density	PASS	
15.407(a)	Peak Excursion	PASS	
15.407(a)	Radiated Emissions	PASS	
15.407(b)	Band Edge Emissions	PASS	
15.407(g)	Frequency Stability	PASS	
15.203	Antenna Requirements	PASS	

NOTE:

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

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

2.2 MEASUREMENT UNCERTAINTY

The reported uncertainty of measurement $y \pm U$, 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	Wireless AC1200 Dual-band Router	
Brand Name	Tenda	
Model Name	F1200	
Mode Different	N/A	
Product Description	Operation Frequency	5150MHz~5250MHz
	Modulation Type	OFDM
	Bit Rate of Transmitter	11a:6/9/12/18/24/36/48/54Mbps 11n:300Mbps
	Conducted Output Power (Max.)	802.11a: 12.70dBm 802.11n (20M): 15.71dBm 802.11n (40M): 14.31dBm 802.11ac (20M): 14.71dBm 802.11ac (40M): 16.90dBm 802.11ac (80M): 13.60dBm
	More details of EUT technical specification, please refer to the User's Manual.	
Power Source	DC Voltage supplied from AC/DC adapter. Manufacturer: SHENZHEN HEWEISHUN NETWORK TECHNOLOGY CO.LTD Model: TEA12U-12100	
Power Rating	I/P: AC 100-240V~ 50/60Hz 0.3A O/P: DC 12V/1 A	
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. Channel List:

802.11a / 802.11n 20MHz/802.11ac 20MHz		802.11n 40M/802.11ac 40MHz		802.11ac 80MHz	
Band 1		Band 1		Band 1	
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
36	5180	38	5190	44	5210
40	5200	46	5230		
44	5220				
48	5240				

3. Antenna Specification:

Ant.	Manufacturer	Model Name	Antenna Type	Connector	Gain (dBi)
2		Q5116	Internal	N/A	3.25
3		Q5116	Internal	N/A	3.25

Note:

The EUT incorporates a MIMO function. Physically, the EUT provides two completed two transmitters and two receivers (2T2R), all transmit signals are completely uncorrelated, then, Direction gain = G_{ANT} , that is Directional gain=3.25.

4.

Operating Mode TX Mode	1TX	2TX
802.11a	V (ANT 2 or ANT 3)	-
802.11n(20MHz)	-	V (ANT 2 + ANT 3)
802.11n(40MHz)	-	V (ANT 2 + ANT 3)
802.11ac(40MHz)	-	V (ANT 2 + ANT 3)
802.11ac(80MHz)	-	V (ANT 2 + ANT 3)

3.2 DESCRIPTION OF TEST MODES

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

Pretest Test Mode	Description
Mode 1	TX A Mode / CH36, CH40, CH48(Band 1)
Mode 2	TX N20 Mode / CH36, CH40, CH48(Band 1)
Mode 3	TX N40 Mode / CH38, CH46 (Band 1)
Mode 4	TX AC N20 Mode / CH36, CH40, CH48(Band 1)
Mode 5	TX AC N40 Mode / CH38, CH46 (Band 1)
Mode 6	TX AC N80 Mode / CH44 (Band 1)
Mode 7	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

Note: For Conducted test, the Dipole antenna with external cable is found to be the worst case and recorded.

For Radiated Test	
Final Test Mode	Description
Mode 1	TX A Mode / CH36, CH40, CH48(Band 1)
Mode 2	TX N20 Mode / CH36, CH40, CH48(Band 1)
Mode 3	TX N40 Mode / CH38, CH46 (Band 1)
Mode 4	TX AC N20 Mode / CH36, CH40, CH48(Band 1)
Mode 5	TX AC N40 Mode / CH38, CH46 (Band 1)
Mode 6	TX AC N80 Mode / CH44 (Band 1)

Note: For Radiated Below 1G test, the 802.11a mode is found to be the worst case and recorded.

3.3 TABLE OF PARAMETERS OF TEXT SOFTWARE SETTING

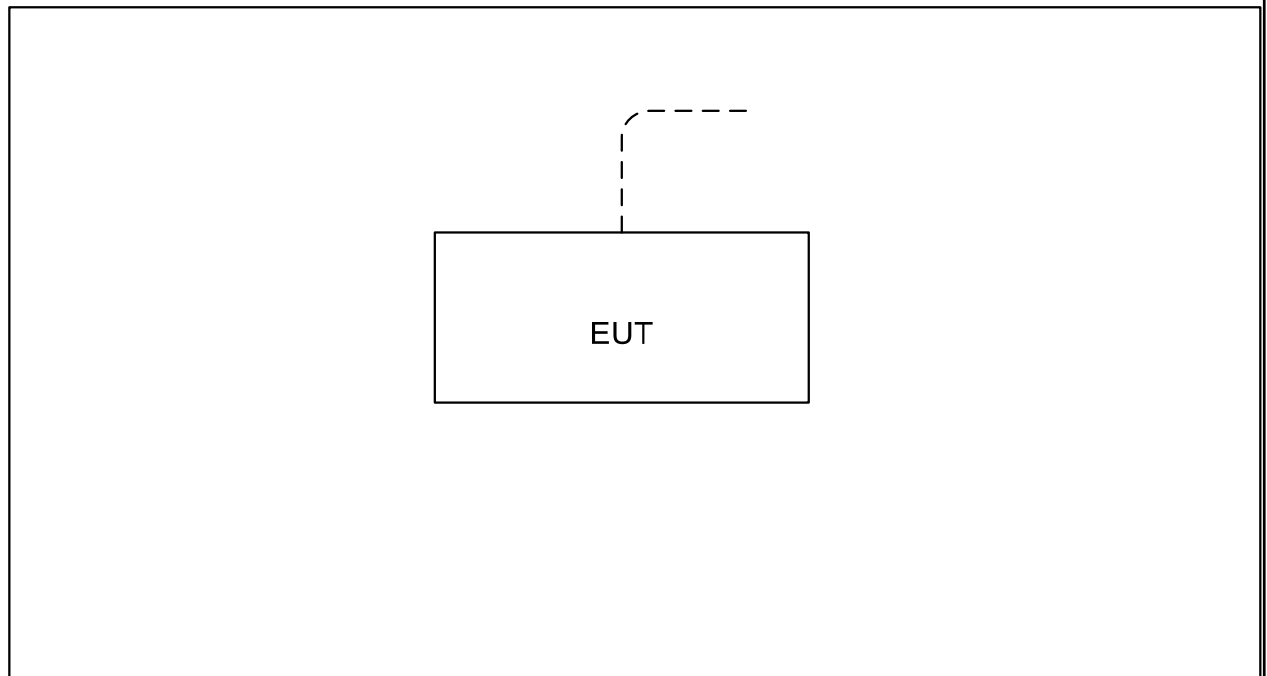
During testing channel & power controlling software provided by the customer was used to control the operating channel as well as the output power level. The RF output power selection is for the setting of RF output power expected by the customer and is going to be fixed on the firmware of the final end product

Test software version	Mtool_2.0.0.6.exe		
Frequency	5180 MHz	5200MHz	5240 MHz
A Mode	54	54	65
N20 Mode	51	51	62
AC 20 Mode	58	57	56

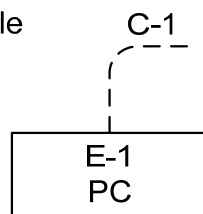
Test software version	Mtool_2.0.0.6.exe		
Frequency	5190 MHz	5230MHz	
N40 Mode	55	56	
AC 40 Mode	65	65	

Test software version	Mtool_2.0.0.6.exe		
Frequency	5210 MHz		
AC 80 Mode	53		

3.4 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED



C-1 RJ45 Cable



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
E-1	PC	Dell 745	DCSM	DOC	G7K832X	-

Item	Shielded Type	Ferrite Core	Length	Note
C-1	NO	NO	10m	-

4. EMC EMISSION TEST

4.1 CONDUCTED EMISSION MEASUREMENT

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

FREQUENCY (MHz)	Class A (dBuV)		Class B (dBuV)	
	Quasi-peak	Average	Quasi-peak	Average
0.15 -0.5	79.00	66.00	66 - 56 *	56 - 46 *
0.50 -5.0	73.00	60.00	56.00	46.00
5.0 -30.0	73.00	60.00	60.00	50.00

Note:

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

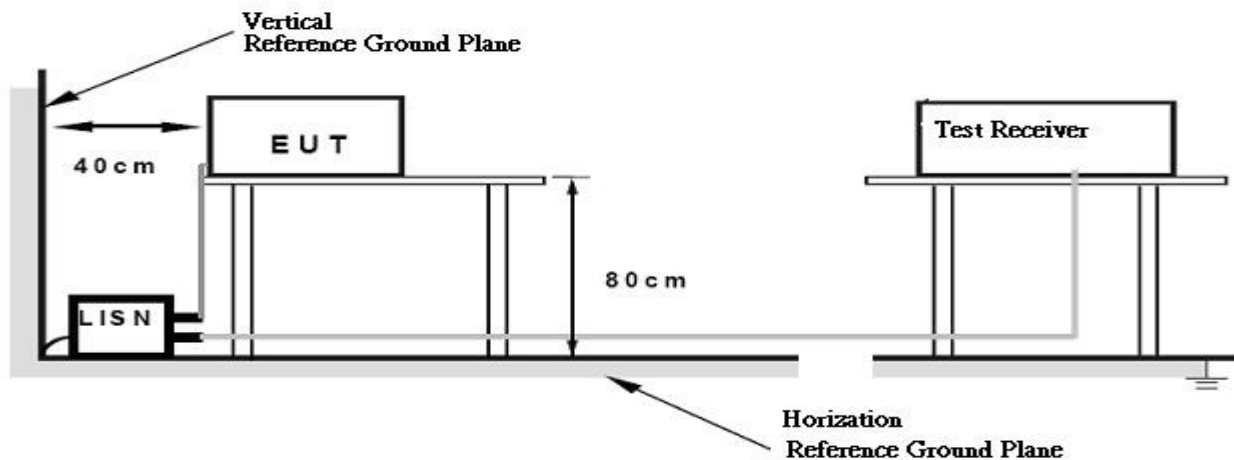
4.1.2 TEST PROCEDURE

- 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



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.

The EUT was programmed to be in continuously transmitting/TX Mode mode.

4.1.6 EUT TEST CONDITIONS

Temperature: 25°C

Relative Humidity: 55%

Test Voltage: AC 120V/60Hz

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)

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

Frequencies (MHz)	Field Strength (micorvolts/meter)	Measurement Distance (meters)
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

Notes:

(1) The limit for radiated test was performed according to FCC PART 15C.

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

LIMITS OF UNWANTED EMISSION OUT OF THE RESTRICTED BANDS

Frequencies (MHz)	EIRP Limit (dBm)	Equivalent Field Strength at 3m (dBμV/m)
5150~5250	-27	68.3
5250~5350	-27	68.3
5470~5725	-27	68.3
5725~5825	-27	68.3
	-17	78.3

NOTE: The following formula is used to convert the equipment isotropic radiated power (eirp) to field strength:

$$E = \frac{100000 \sqrt{30P}}{3} \mu\text{V/m, where P is the eirp (Watts)}$$

4.2.2 TEST PROCEDURE

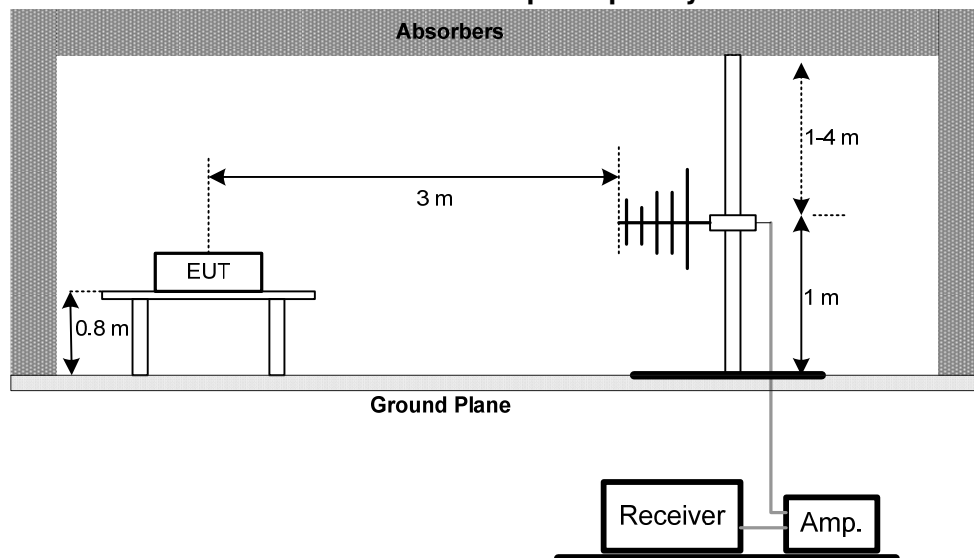
- The measuring distance of at 1.5m shall be used for measurements at frequency up to 1GHz. For frequencies above 1GHz, any suitable measuring distance may be used.
- The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic chamber. The table was rotated 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.

4.2.3 DEVIATION FROM TEST STANDARD

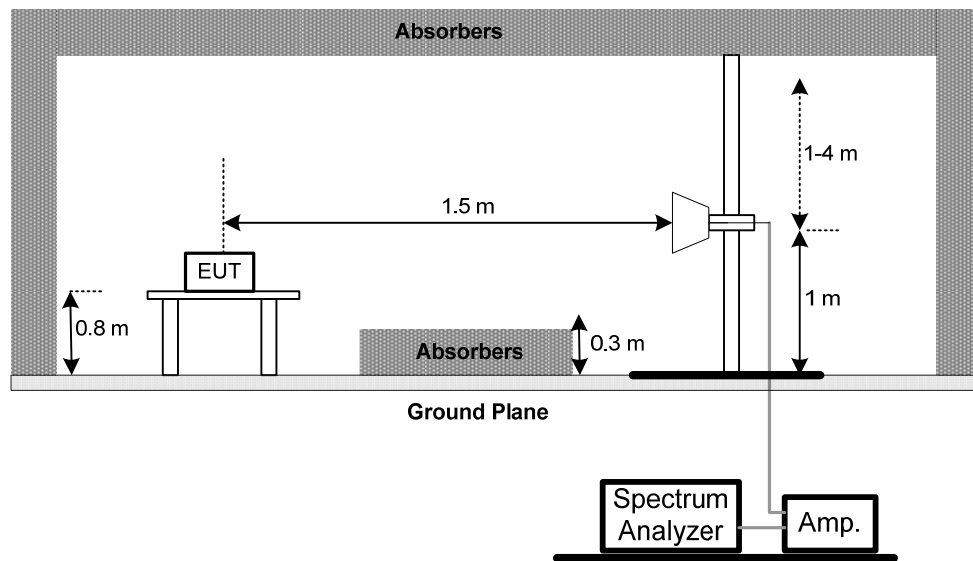
No deviation

4.2.4 TEST SETUP

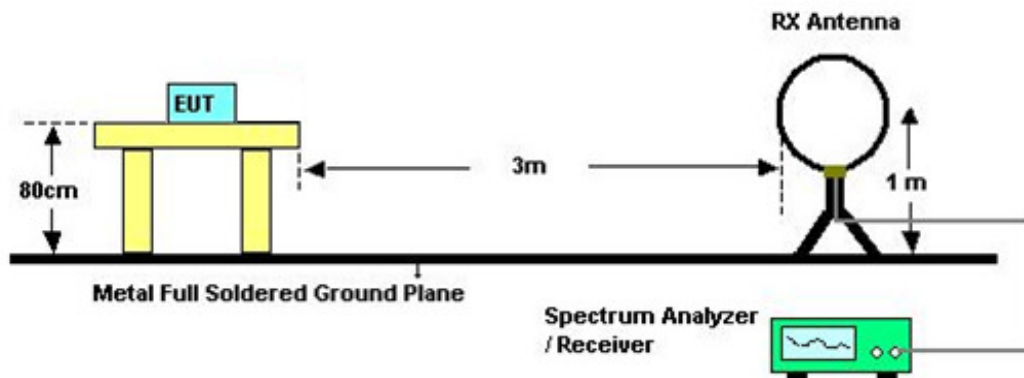
Radiated Emission Test Set-Up Frequency 30 - 1000MHz



Radiated Emission Test Set-Up Frequency Above 1 GHz



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: AC 120V/60Hz

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) Spectrum Setting : 30MHz – 1000MHz , RBW= 100KHz, VBW=100KHz, Sweep time = 200 ms. 1GHz- 40GHz, RBW= 1MHz, VBW= 1MHz, Sweep time = Auto
- (2) All readings are Peak unless otherwise stated AV in column of 『Note』 . Peak denotes that the Peak reading compliance with the AV Limits and then AV Mode measurement didn't perform.
- (3) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission ◦
- (4) 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.
- (5) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.
- (6) EUT Orthogonal Axes:
“X” - denotes Laid on Table ; “Y” - denotes Vertical Stand ; “Z” - denotes Side Stand
- (7) During the measurements above 1GHz it is taken care of that the EUT is always within the 3dB cone of radiation BW of the used antenna.

5. 26dB SPECTRUM BANDWIDTH

5.1 APPLIED PROCEDURES / LIMIT

FCC Part15, Subpart E			
Test Item	Limit	Frequency Range (MHz)	Result
26 dB Bandwidth	-----	5150MHz~5250	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 Parameters	Setting
Attenuation	Auto
Span Frequency	> 26dB Bandwidth
RB	300 kHz
VB	1000 kHz
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

- c. Measured the spectrum width with power higher than 26dB below carrier

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: AC 120V/60HZ

5.1.6 TEST RESULTS

Please refer to the Attachment E.

6. MAXIMUM CONDUCTED OUTPUT POWER

6.1 APPLIED PROCEDURES / LIMIT

FCC Part15, Subpart E			
Test Item	Frequency Range (MHz)	Limit	Result
Conducted Output Power	5150 - 5250	Indoor AP:1 Watt Mobile and portable:250mW Fixed P to P AP:1W Outdoor AP:1 Watt The maximum e.i.r.p. at anyelevation angle above 30 degrees as measured from the horizon must not exceed 125 mW (21 dBm).	PASS

6.1.1 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 Parameter	Setting
Attenuation	Auto
Span Frequency	Encompass the entire emissions bandwidth (EBW) of the signal
RBW	= 1 MHz.
VBW	\geq 3 MHz.
Detector	RMS
Trace	Max Hold
Sweep Time	auto

- b. Test was performed in accordance with method of KDB 789033 D01.

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.

6.1.5 EUT TEST CONDITIONS

Temperature: 25°C Relative Humidity: 55% Test Voltage: AC 120V/60Hz

6.1.6 TEST RESULTS

Please refer to the Attachment F.

7. ANTENNA CONDUCTED SPURIOUS EMISSION

7.1 APPLIED PROCEDURES / LIMIT

FCC Part15, Subpart E			
Test Item	Limit	Frequency Range (MHz)	Result
Antenna conducted Spurious Emission	-27 dBm/1MHz	5150 – 5250	PASS

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,

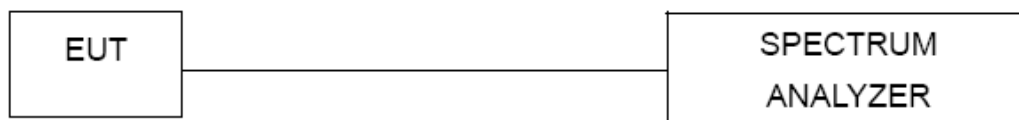
b.

Spectrum Parameter	Setting
Attenuation	Auto
RB	1000 kHz
VB	1000 kHz
Trace	Max Hold
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: AC 120V/60HZ

7.1.6 TEST RESULTS

Please refer to the Attachment G.

8. POWER SPECTRAL DENSITY TEST

8.1 APPLIED PROCEDURES / LIMIT

FCC Part15, Subpart E			
Test Item	Limit	Frequency Range (MHz)	Result
Power Spectral Density	Other then Mobile and portable:17dBm/Mhz Mobile and portable:11dBm/MHz	5150 - 5250	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 Parameter	Setting
Attenuation	Auto
Span Frequency	Encompass the entire emissions bandwidth (EBW) of the signal
RB	= 1 MHz.
VB	≥ 3 MHz.
Detector	RMS
Trace	Max Hold
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: AC 120V/60HZ

8.1.6 TEST RESULTS

Please refer to the Attachment H.

9. FREQUENCY STABILITY MEASUREMENT

9.1 APPLIED PROCEDURES / LIMIT

FCC Part15, Subpart E 15.407(g)			
Test Item	Limit	Frequency Range (MHz)	Result
Frequency Stability	specified in the user's manual	5150 – 5250	PASS

9.1.1 TEST PROCEDURE

- a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below,

b.

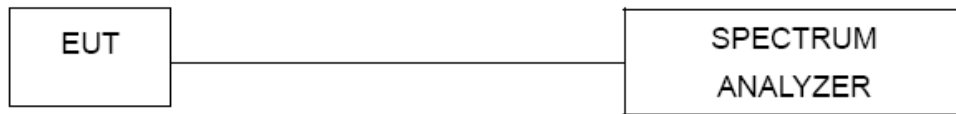
Spectrum Parameter	Setting
Attenuation	Auto
Span Frequency	Entire absence of modulation emissions bandwidth
RB	10 kHz
VB	10 kHz
Sweep Time	Auto

- c. The test extreme voltage is to change the primary supply voltage from 85 to 115 percent of the nominal value.
- d. user manual temperature is 0°C~40°C.

9.1.2 DEVIATION FROM STANDARD

No deviation.

9.1.3 TEST SETUP



9.1.4 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.

9.1.5 EUT TEST CONDITIONS

Temperature: 25°C Relative Humidity: 55% Test Voltage: AC 120V/60HZ

9.1.6 TEST RESULTS

Please refer to the Attachment J.

10. 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	100087	Mar. 29, 2015
3	Test Cable	N/A	C_17	N/A	Mar. 14, 2015
4	EMI TEST RECEIVER	R&S	ESCS30	826547/022	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	Schwarbeck	VULB9160	9160-3232	Mar. 29, 2015
2	Amplifier	HP	8447D	2944A09673	Mar. 29, 2015
3	Test Receiver	R&S	ESCI	100382	Mar. 29, 2015
4	Test Cable	N/A	C-01_CB03	N/A	Jul. 02, 2014
5	Antenna	ETS	3115	00075789	Mar. 29, 2015
6	Amplifier	Agilent	8449B	3008A02274	Mar. 29, 2015
7	Spectrum	Agilent	E4408B	US39240143	Nov. 09, 2014
8	Test Cable	HUBER+SUHNER	C-45	N/A	Mar. 29, 2015
9	Controller	CT	SC100	N/A	N/A
10	Horn Antenna	EMCO	3115	9605-4803	Mar. 29, 2015
11	Active Loop Antenna	R&S	HFH2-Z2	830749/020	Mar. 29, 2015
12	Broad-Band Horn Antenna (40G)	Schwarzbeck	BBHA 9170	9170319	Feb. 22, 2015

26dB Spectrum Bandwidth Measurement

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

Maximum Conducted Output Power Measurement

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

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

Peak Excurison Measurement

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

Frequency Stability Measurement

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP 40	100185	Nov. 11, 2014
2	Precision Oven Tester	HOLINK	H-T-1F-D	BA03101701	May. 25, 2014

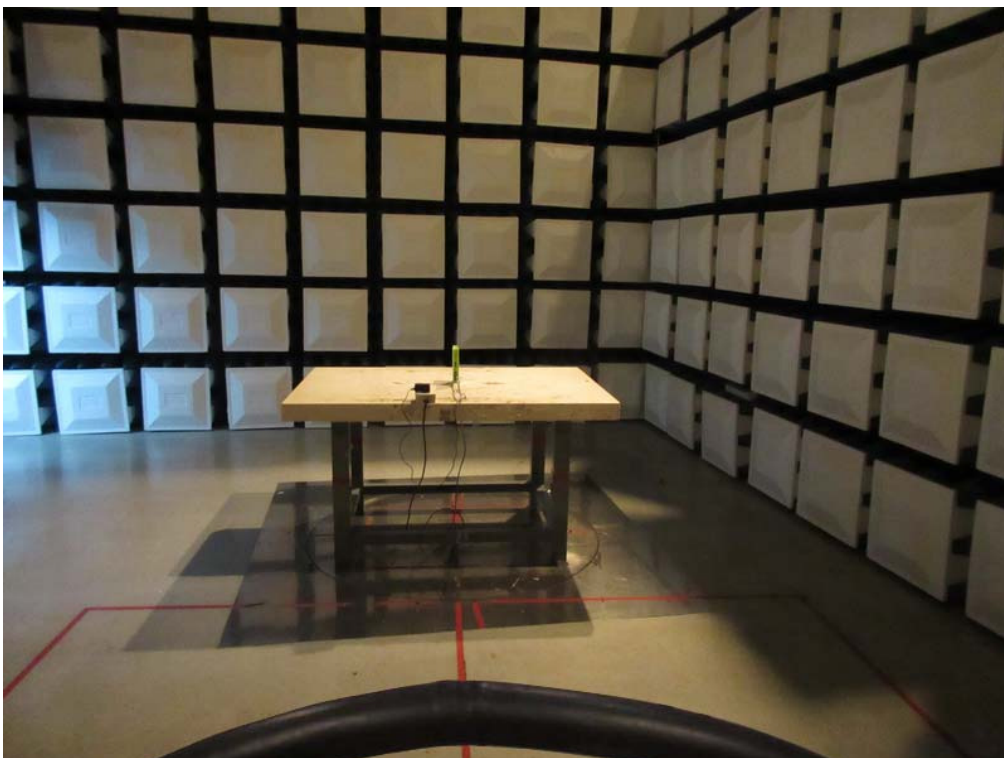
Remark: "N/A" denotes no model name, serial no. or calibration specified.
All calibration period of equipment list is one year.

11. EUT TEST PHOTOS

Conducted Measurement Photos



**Radiated Measurement Photos
9KHz to 30MHz**



**Radiated Measurement Photos
30MHz to 1000MHz**



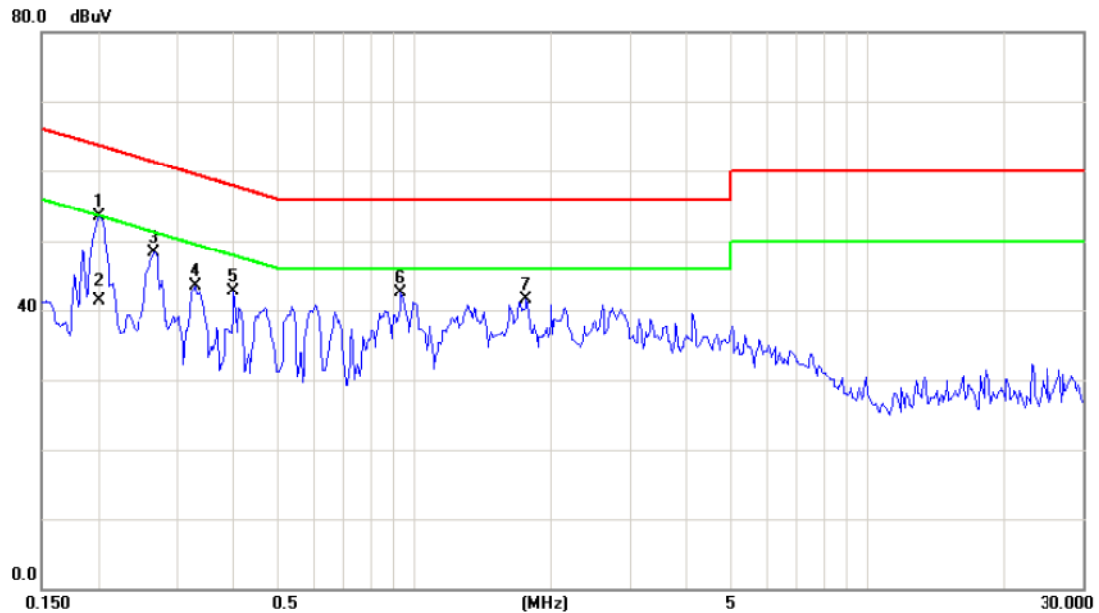
**Radiated Measurement Photos
Above 1000MHz**



ATTACHMENT A - CONDUCTED EMISSION

Test Mode : TX MODE

Line

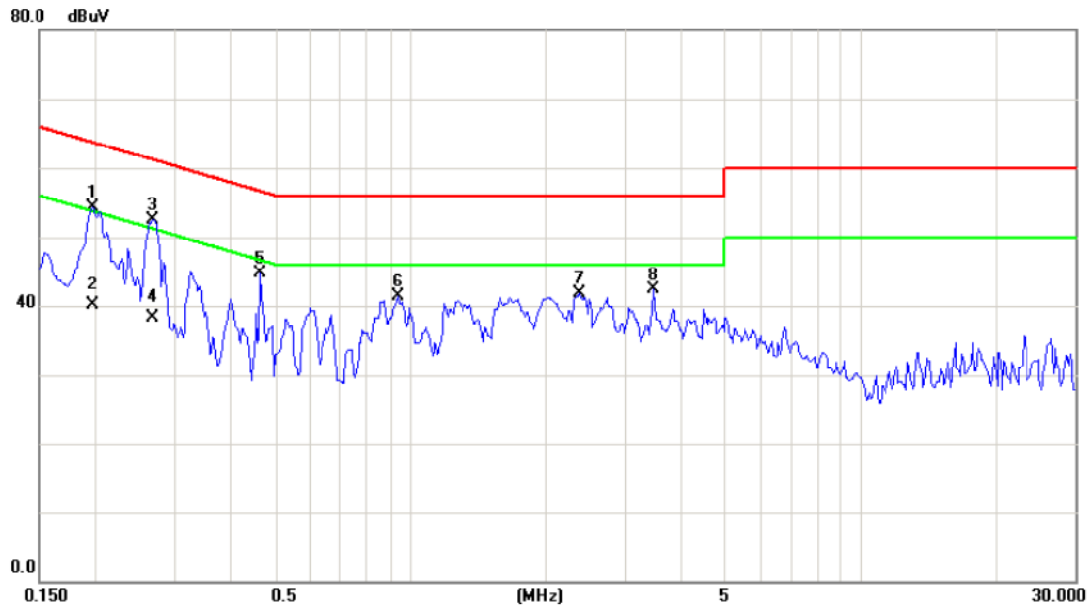


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1	*	0.2008	43.99	9.54	53.53	63.58	-10.05	peak	
2		0.2008	31.70	9.54	41.24	53.58	-12.34	AVG	
3		0.2672	38.65	9.58	48.23	61.20	-12.97	peak	
4		0.3297	33.90	9.61	43.51	59.46	-15.95	peak	
5		0.4000	33.15	9.65	42.80	57.85	-15.05	peak	
6		0.9352	32.85	9.68	42.53	56.00	-13.47	peak	
7		1.7672	31.72	9.70	41.42	56.00	-14.58	peak	

Note : The test result has included the cable loss.

Test Mode : TX MODE

Neutral



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		0.1970	44.65	9.61	54.26	63.74	-9.48	peak	
2		0.1970	30.50	9.61	40.11	53.74	-13.63	AVG	
3	*	0.2672	42.87	9.62	52.49	61.20	-8.71	peak	
4		0.2672	28.70	9.62	38.32	51.20	-12.88	AVG	
5		0.4625	35.00	9.64	44.64	56.65	-12.01	peak	
6		0.9430	31.60	9.67	41.27	56.00	-14.73	peak	
7		2.3687	31.86	9.76	41.62	56.00	-14.38	peak	
8		3.4688	32.57	9.81	42.38	56.00	-13.62	peak	

Note : The test result has included the cable loss.

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

Test Mode: TX Mode 2412MHz

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°	68.35	24.30	92.65	128.12	-35.47	AVG
0.0095	0°	72.35	24.30	96.65	148.12	-51.47	PEAK
0.0136	0°	70.35	24.30	94.65	124.93	-30.28	AVG
0.0137	0°	79.35	24.30	103.65	144.93	-41.28	PEAK
0.0243	0°	56.36	24.03	80.39	119.89	-39.50	AVG
0.0245	0°	60.12	24.03	84.15	139.89	-55.74	PEAK
0.0326	0°	61.36	23.50	84.86	117.34	-32.48	AVG
0.0328	0°	65.38	23.50	88.88	137.34	-48.46	PEAK
0.5670	0°	18.72	20.01	38.73	72.53	-33.80	QP
1.7535	0°	18.95	19.52	38.47	69.54	-31.07	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°	76.35	24.30	100.65	128.19	-27.54	AVG
0.0094	90°	82.36	24.30	106.66	148.19	-41.53	PEAK
0.0234	90°	56.38	24.08	80.46	120.22	-39.76	AVG
0.0237	90°	59.35	24.08	83.43	140.22	-56.79	PEAK
0.0315	90°	57.35	23.57	80.92	117.64	-36.72	AVG
0.0318	90°	58.35	23.57	81.92	137.64	-55.72	PEAK
0.0426	90°	59.35	22.87	82.22	115.02	-32.80	AVG
0.0429	90°	63.35	22.87	86.22	135.02	-48.80	PEAK
0.4914	90°	17.45	19.82	37.27	73.78	-36.50	QP
1.7157	90°	18.63	19.53	38.16	69.54	-31.38	QP

Remark:

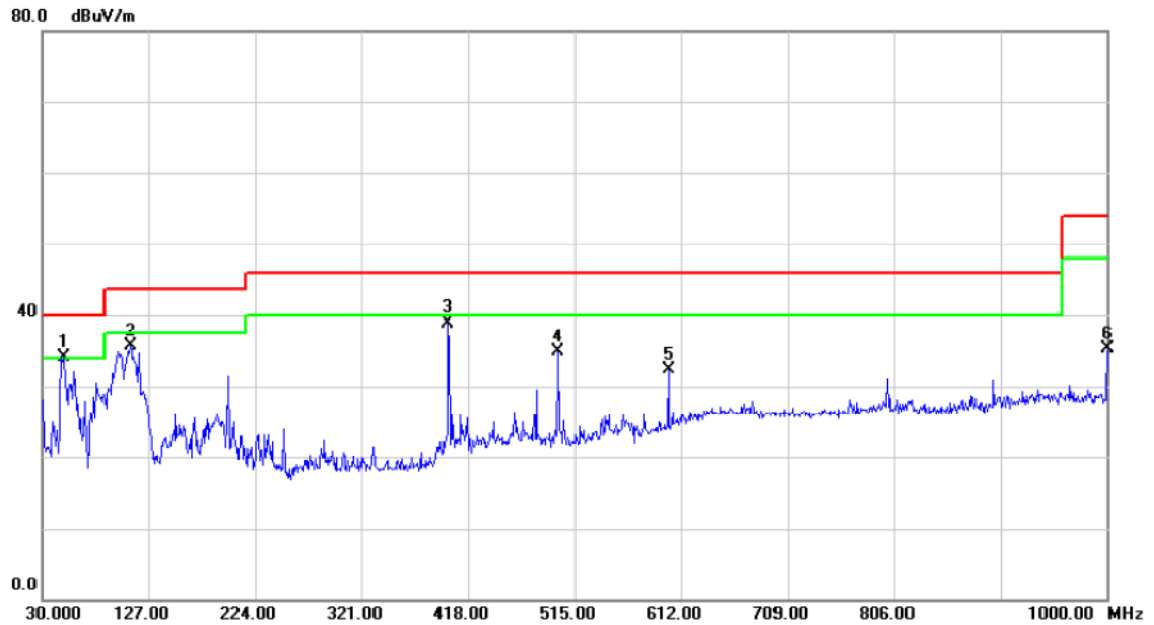
- (1) The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.
- (2) Distance extrapolation factor = 40 log (specific distance / test distance) (dB);
- (3) Limit line = specific limits (dBuV) + distance extrapolation factor.



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

Test Mode : Band 1/TX A Mode 5180MHz

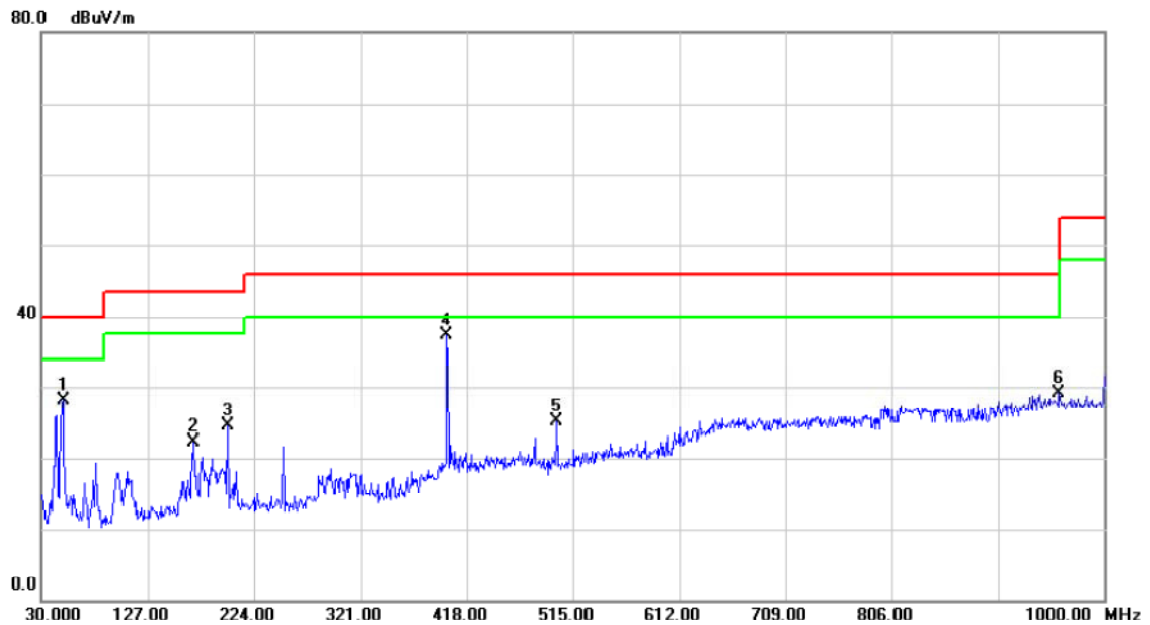
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	*	50.3700	48.47	-14.29	34.18	40.00	-5.82	peak	
2		110.5100	51.00	-15.35	35.65	43.50	-7.85	peak	
3		399.5700	48.67	-9.70	38.97	46.00	-7.03	peak	
4		500.4500	45.50	-10.52	34.98	46.00	-11.02	peak	
5		600.3600	40.30	-8.08	32.22	46.00	-13.78	peak	
6		1000.000	35.67	-0.44	35.23	54.00	-18.77	peak	

Test Mode : Band 1/TX A Mode 5180MHz

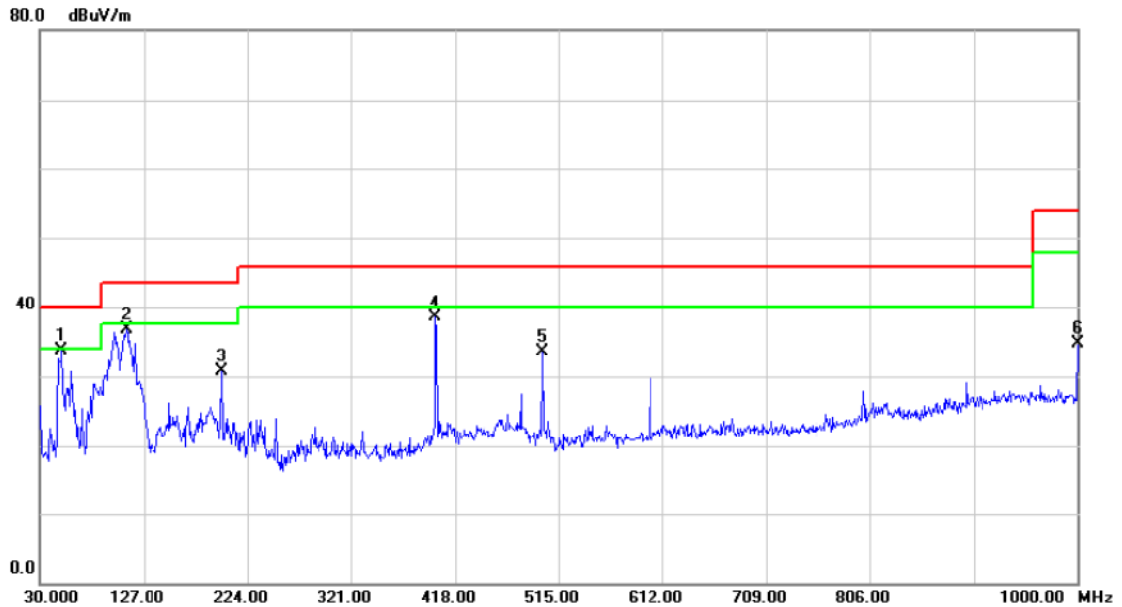
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		49.4000	42.39	-14.22	28.17	40.00	-11.83	peak	
2		168.7100	35.21	-12.90	22.31	43.50	-21.19	peak	
3		199.7500	39.63	-15.13	24.50	43.50	-19.00	peak	
4	*	399.5700	46.99	-9.70	37.29	46.00	-8.71	peak	
5		500.4500	35.65	-10.52	25.13	46.00	-20.87	peak	
6		958.2900	29.41	-0.33	29.08	46.00	-16.92	peak	

Test Mode : Band 1/TX A Mode 5200MHz

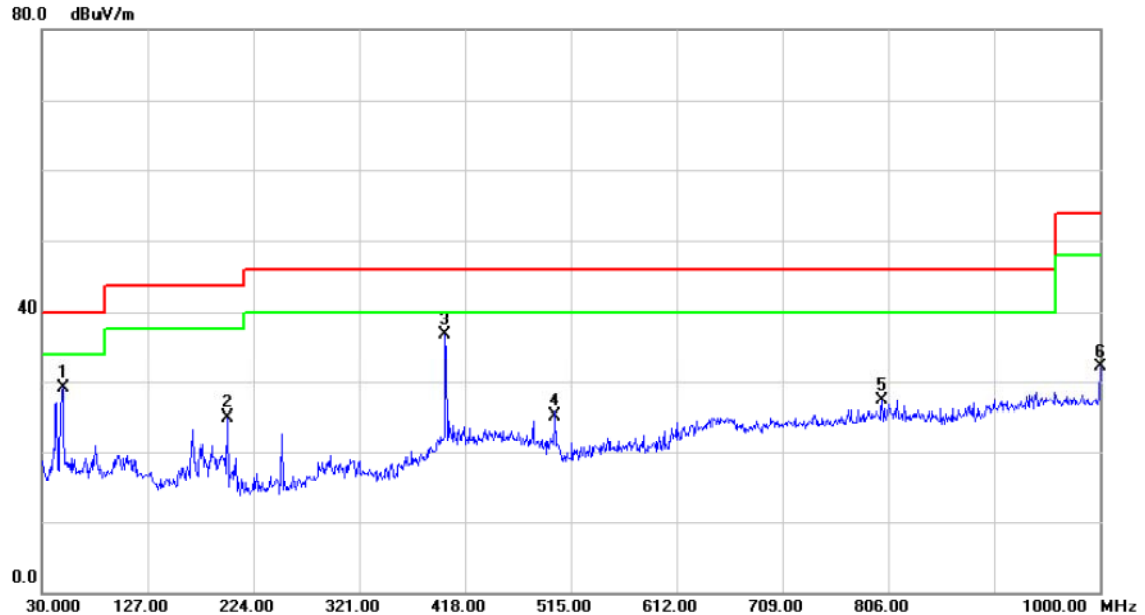
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	*	50.3700	47.97	-14.29	33.68	40.00	-6.32	peak	
2		110.5100	52.00	-15.35	36.65	43.50	-6.85	peak	
3		199.7500	45.88	-15.13	30.75	43.50	-12.75	peak	
4		399.5700	48.17	-9.70	38.47	46.00	-7.53	peak	
5		500.4500	44.00	-10.52	33.48	46.00	-12.52	peak	
6		1000.000	35.17	-0.44	34.73	54.00	-19.27	peak	

Test Mode : Band 1/TX A Mode 5200MHz

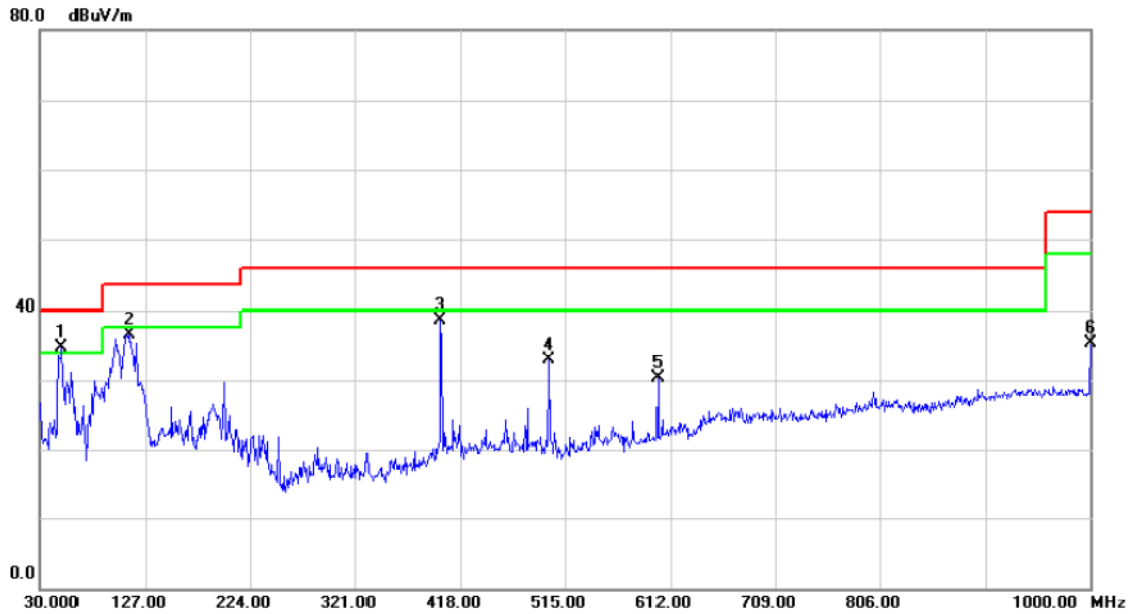
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		49.4000	43.39	-14.22	29.17	40.00	-10.83	peak	
2		199.7500	40.13	-15.13	25.00	43.50	-18.50	peak	
3	*	399.5700	46.49	-9.70	36.79	46.00	-9.21	peak	
4		500.4500	35.65	-10.52	25.13	46.00	-20.87	peak	
5		800.1800	30.20	-2.91	27.29	46.00	-18.71	peak	
6		1000.000	32.63	-0.44	32.19	54.00	-21.81	peak	

Test Mode : Band 1/TX A Mode 5240MHz

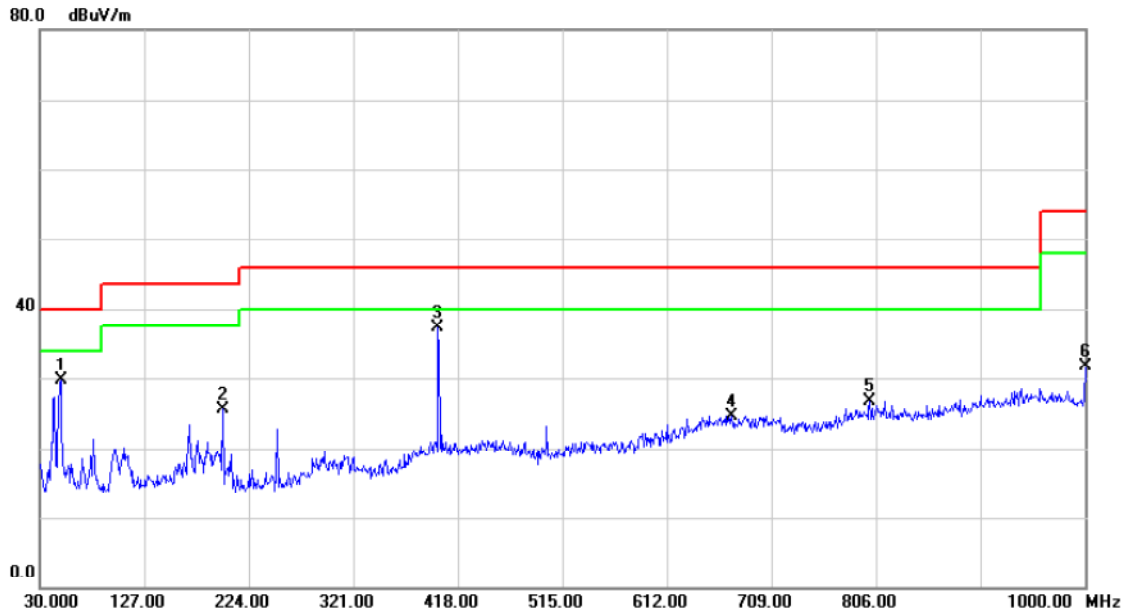
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	*	50.3700	48.97	-14.29	34.68	40.00	-5.32	peak	
2		111.4800	51.83	-15.24	36.59	43.50	-6.91	peak	
3		399.5700	48.17	-9.70	38.47	46.00	-7.53	peak	
4		500.4500	43.50	-10.52	32.98	46.00	-13.02	peak	
5		600.3600	38.30	-8.08	30.22	46.00	-15.78	peak	
6		1000.000	35.67	-0.44	35.23	54.00	-18.77	peak	

Test Mode : Band 1/TX A Mode 5240MHz

Horizontal



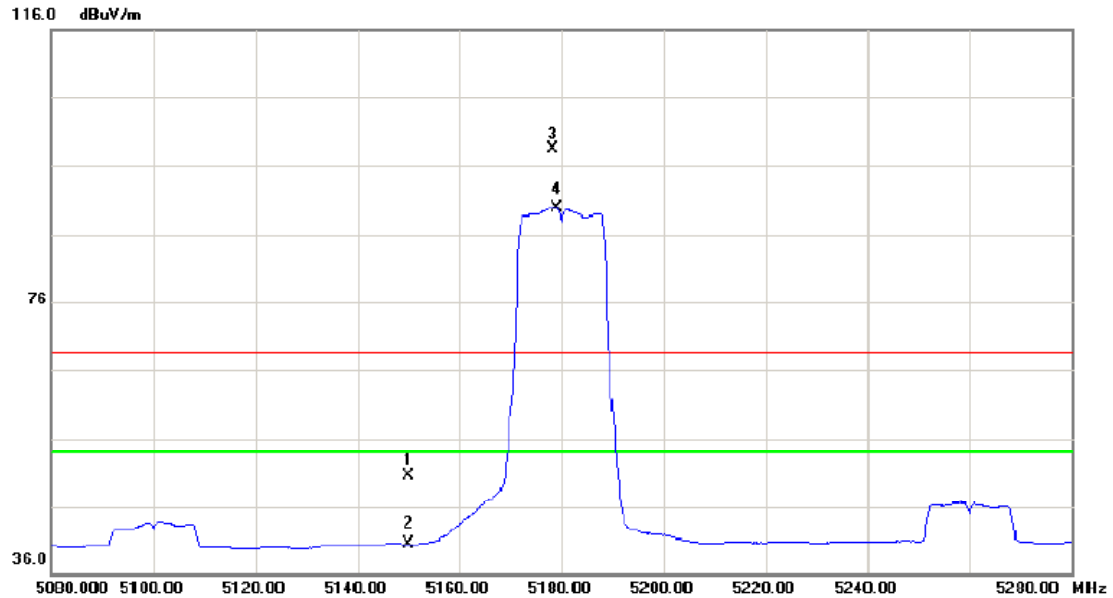
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		49.4000	43.89	-14.22	29.67	40.00	-10.33	peak	
2		199.7500	40.63	-15.13	25.50	43.50	-18.00	peak	
3	*	399.5700	46.99	-9.70	37.29	46.00	-8.71	peak	
4		672.1400	29.68	-5.09	24.59	46.00	-21.41	peak	
5		800.1800	29.70	-2.91	26.79	46.00	-19.21	peak	
6		1000.000	32.13	-0.44	31.69	54.00	-22.31	peak	



ATTACHMENT D - RADIATED EMISSION (ABOVE 1000MHZ)

Orthogonal Axis :	X
Test Mode :	Band 1/ TX A Mode 5180MHz

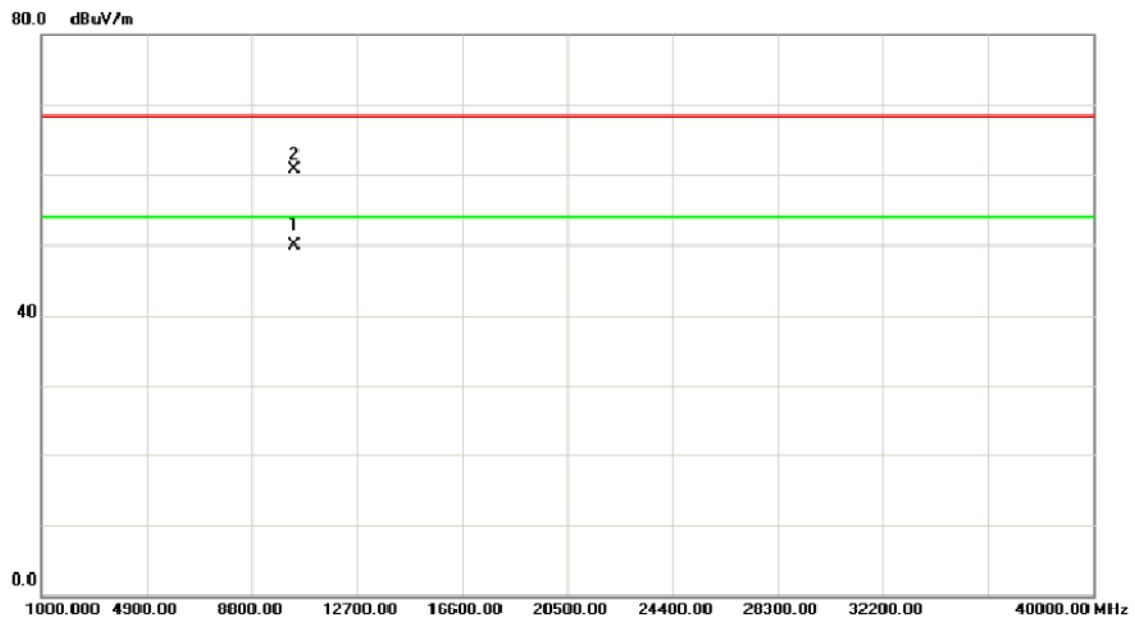
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		5150.000	8.50	41.99	50.49	68.30	-17.81	peak	
2		5150.000	-1.45	41.99	40.54	54.00	-13.46	AVG	
3	X	5178.200	56.36	42.11	98.47	68.30	30.17	peak	Fundamental frequency, no limit
4	*	5179.000	47.67	42.11	89.78	54.00	35.78	AVG	Fundamental frequency, no limit

Orthogonal Axis :	X
Test Mode :	Band 1/ TX A Mode 5180MHz

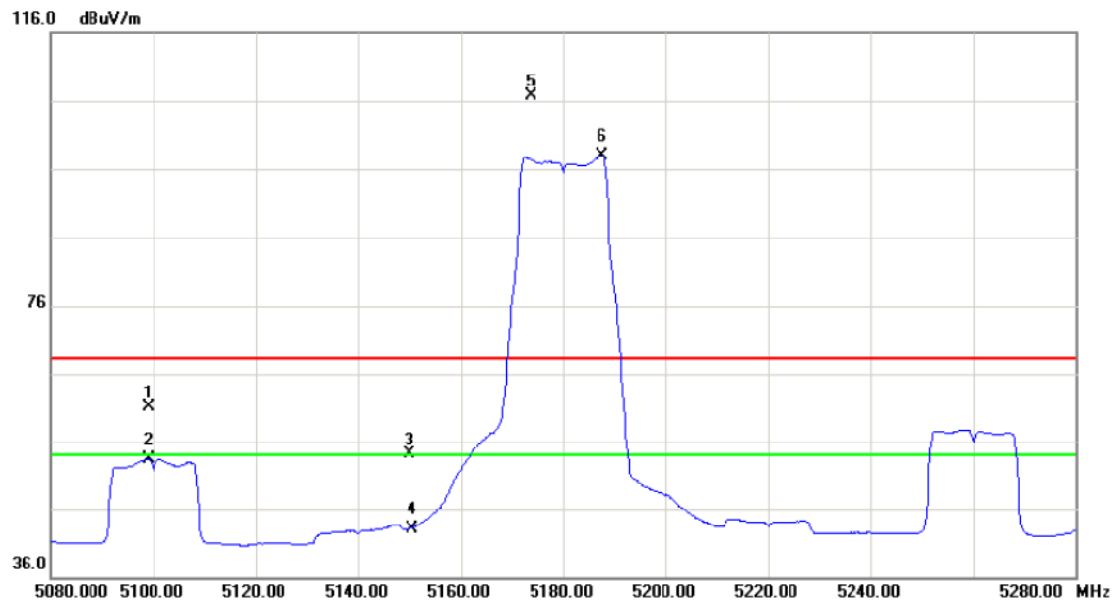
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	10360.10	34.20	15.70	49.90	54.00	-4.10	AVG	
2		10361.35	44.97	15.69	60.66	68.30	-7.64	peak	

Orthogonal Axis :	X
Test Mode :	Band 1/ TX A Mode 5180MHz

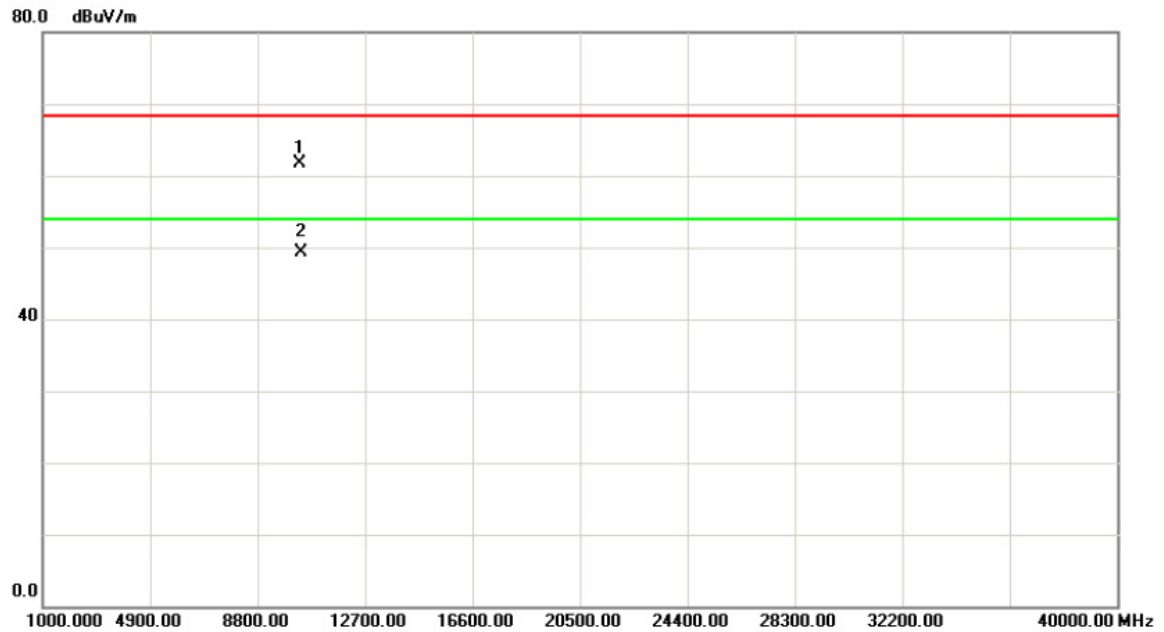
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dbuV/m	Over dB	Detector	Comment
1		5099.000	19.32	41.79	61.11	68.30	-7.19	peak	
2		5099.000	11.60	41.79	53.39	54.00	-0.61	AVG	
3		5150.000	12.04	41.99	54.03	68.30	-14.27	peak	
4		5150.000	1.17	41.99	43.16	54.00	-10.84	AVG	
5	X	5173.800	64.55	42.09	106.64	68.30	38.34	peak	Fundamental frequency, no limit
6	*	5187.600	55.83	42.15	97.98	54.00	43.98	AVG	Fundamental frequency, no limit

Orthogonal Axis :	X
Test Mode :	Band 1/ TX A Mode 5180MHz

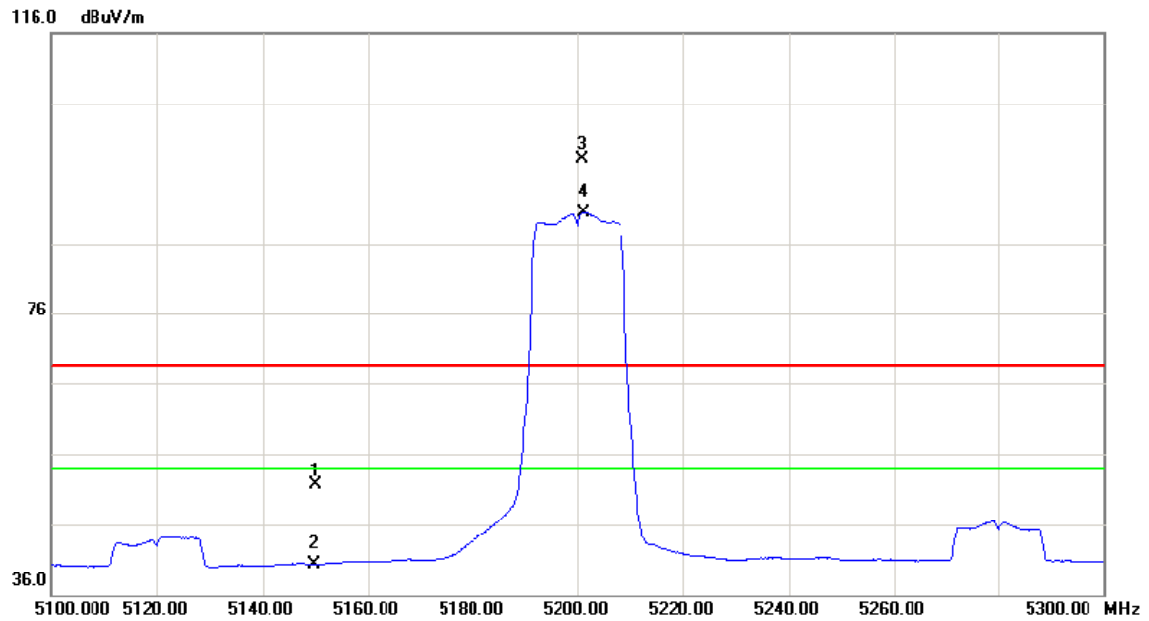
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		10359.35	46.01	15.70	61.71	68.30	-6.59	peak	
2	*	10362.00	33.71	15.69	49.40	54.00	-4.60	AVG	

Orthogonal Axis :	X
Test Mode :	Band 1/ TX A Mode 5200MHz

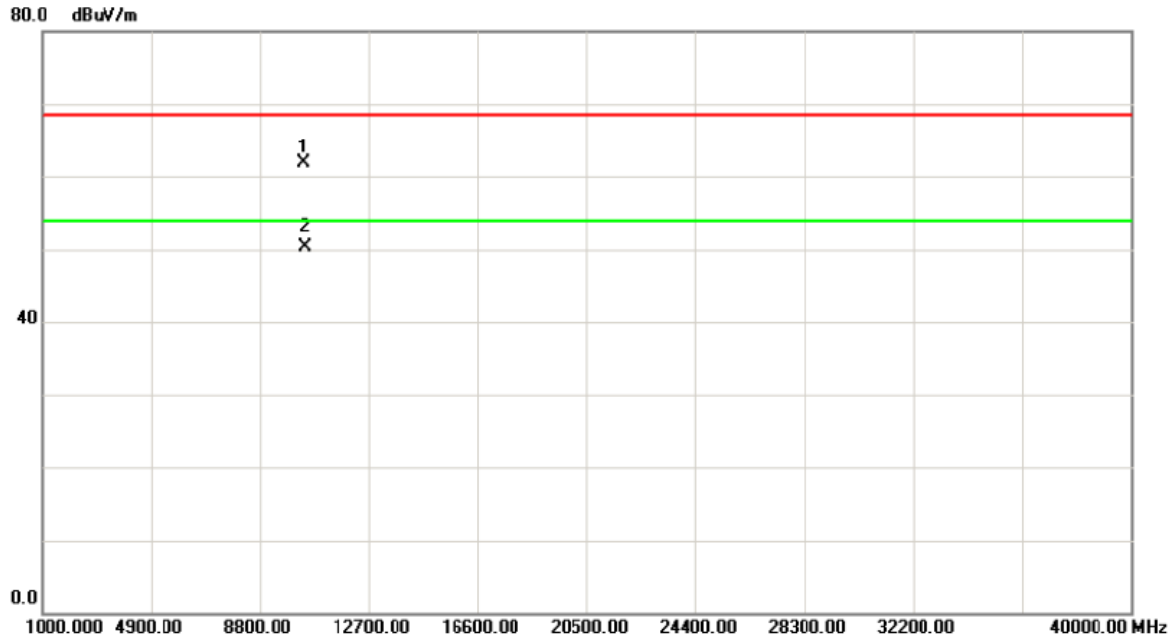
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		5150.000	9.45	41.99	51.44	68.30	-16.86	peak	
2		5150.000	-1.71	41.99	40.28	54.00	-13.72	AVG	
3	X	5201.000	55.99	42.20	98.19	68.30	29.89	peak	Fundamental frequency, no limit
4	*	5201.200	48.37	42.20	90.57	54.00	36.57	AVG	Fundamental frequency, no limit

Orthogonal Axis :	X
Test Mode :	Band 1/ TX A Mode 5200MHz

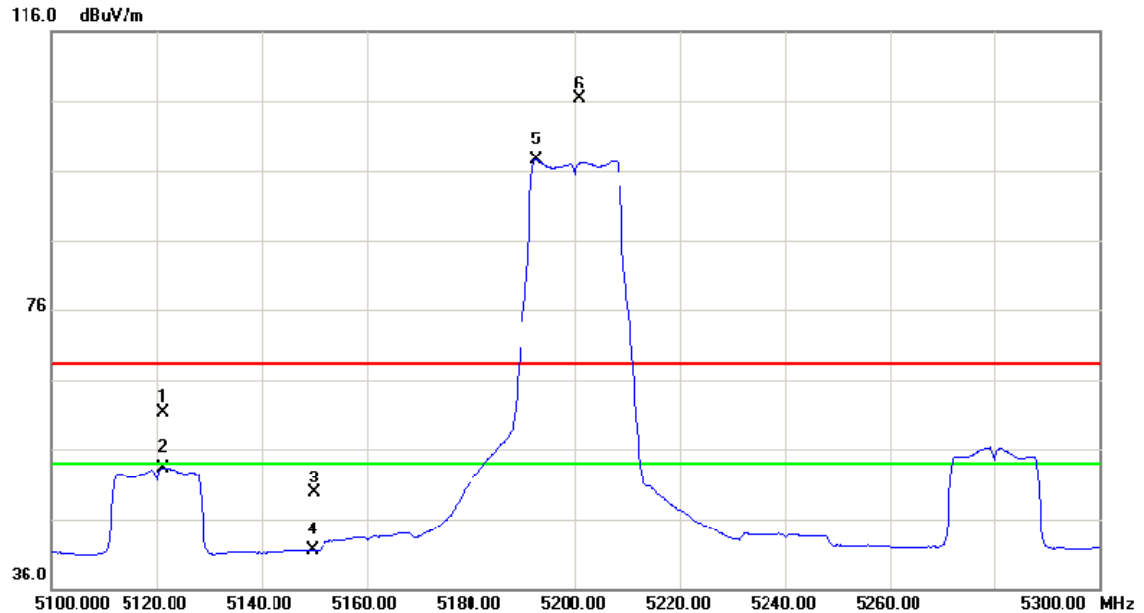
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		10398.85	46.28	15.64	61.92	68.30	-6.38	peak	
2	*	10401.80	34.74	15.63	50.37	54.00	-3.63	AVG	

Orthogonal Axis :	X
Test Mode :	Band 1/ TX A Mode 5200MHz

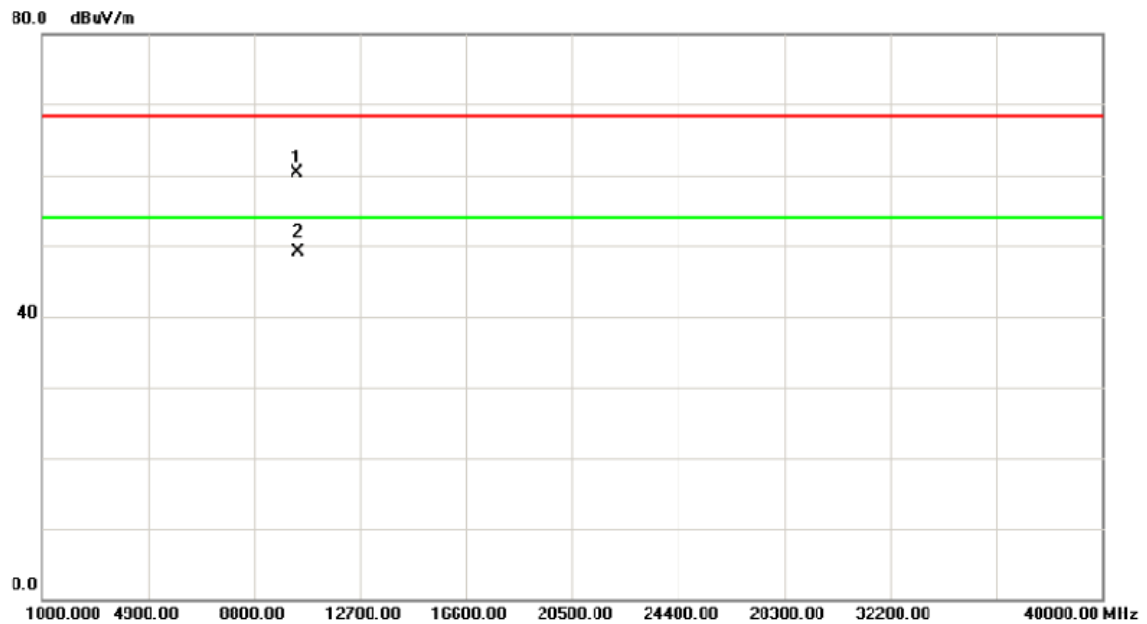
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		5121.200	19.49	41.88	61.37	68.30	-6.93	peak	
2		5121.200	11.51	41.88	53.39	54.00	-0.61	AVG	
3		5150.000	7.74	41.99	49.73	68.30	-18.57	peak	
4		5150.000	-0.46	41.99	41.53	54.00	-12.47	AVG	
5	*	5192.600	55.38	42.16	97.54	54.00	43.54	AVG	Fundamental frequency, no limit
6	X	5200.800	64.04	42.20	106.24	68.30	37.94	peak	Fundamental frequency, no limit

Orthogonal Axis :	X
Test Mode :	Band 1/ TX A Mode 5200MHz

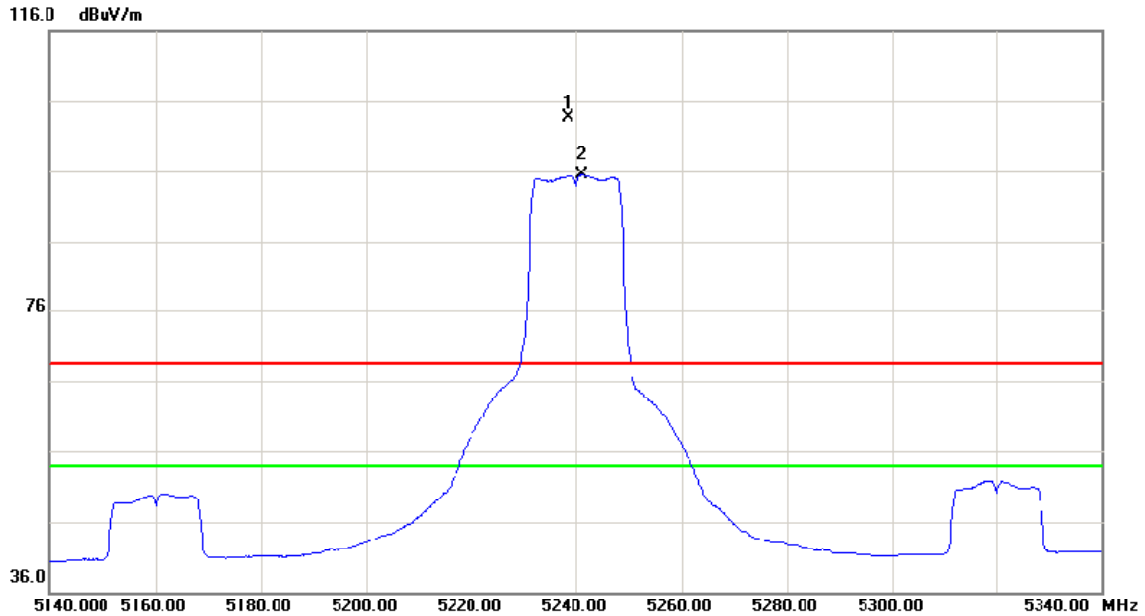
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector Comment
1		10399.85	44.72	15.64	60.36	68.30	-7.94	peak
2	*	10401.95	33.43	15.63	49.06	54.00	-4.94	AVG

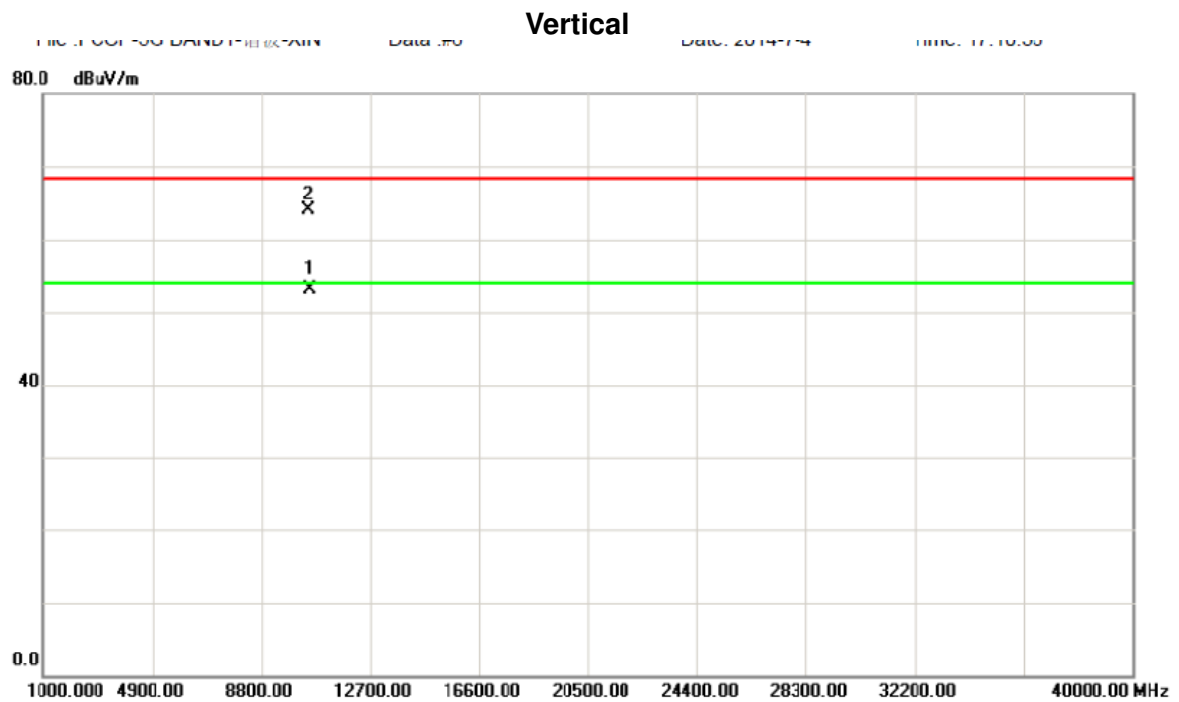
Orthogonal Axis :	X
Test Mode :	Band 1/ TX A Mode 5240MHz

Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	X	5238.400	61.20	42.35	103.55	68.30	35.25	peak	Fundamental frequency, no limit
2	*	5241.200	53.08	42.37	95.45	54.00	41.45	AVG	Fundamental frequency, no limit

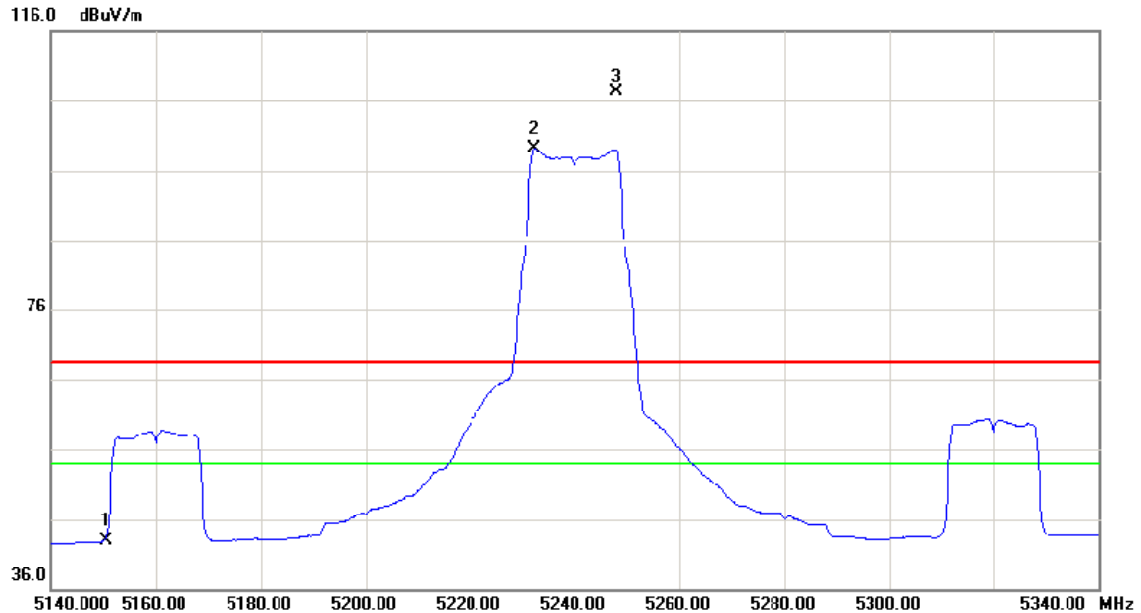
Orthogonal Axis :	X
Test Mode :	Band 1/ TX A Mode 5240MHz



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	10481.90	37.50	15.51	53.01	54.00	-0.99	AVG	
2		10482.25	48.62	15.51	64.13	68.30	-4.17	peak	

Orthogonal Axis :	X
Test Mode :	Band 1/ TX A Mode 5240MHz

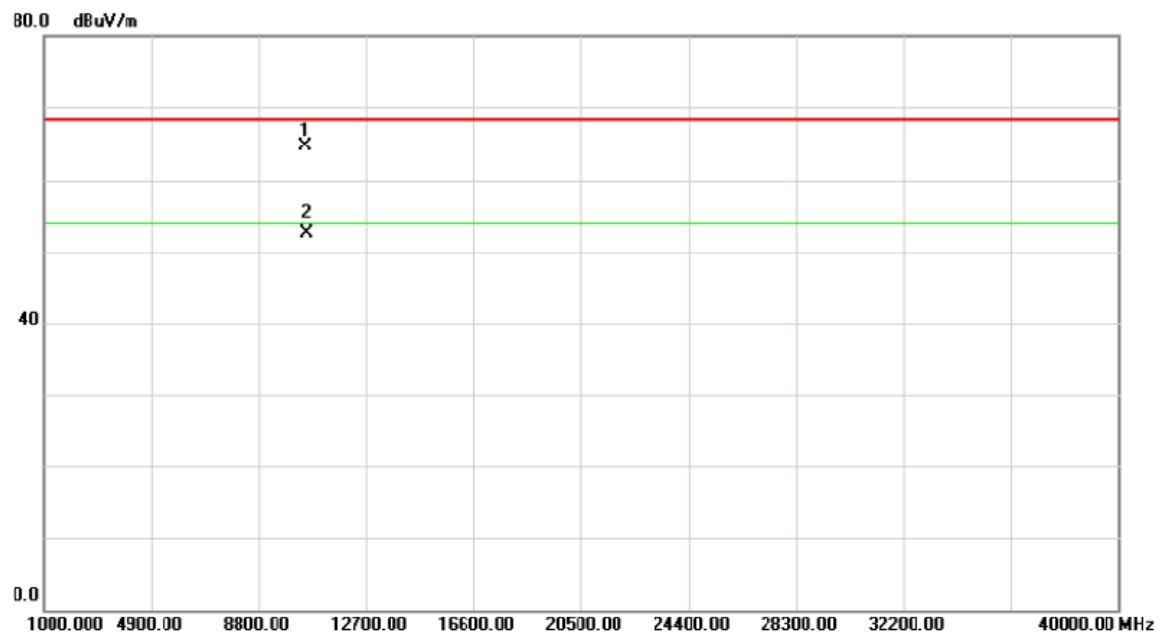
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		5150.000	0.97	41.99	42.96	54.00	-11.04	AVG	
2	*	5232.400	56.71	42.33	99.04	54.00	45.04	AVG	Fundamental frequency, no limit
3	X	5247.000	64.95	42.39	107.34	60.30	39.04	peak	Fundamental frequency, no limit

Orthogonal Axis :	X
Test Mode :	Band 1/ TX A Mode 5240MHz

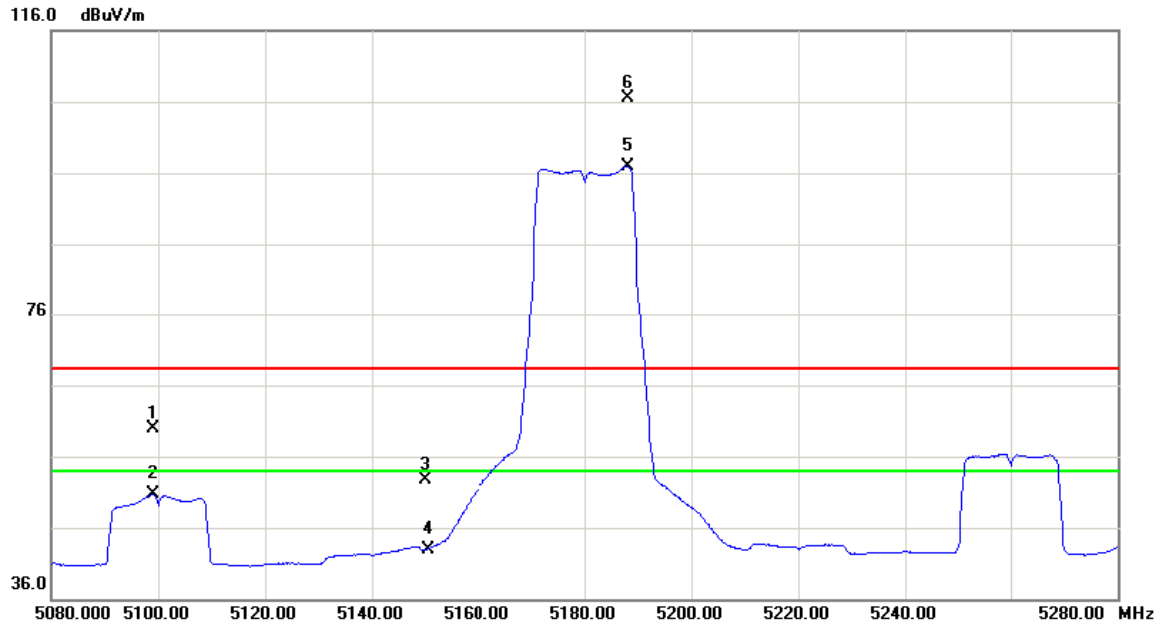
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		10479.10	49.14	15.52	64.66	68.30	-3.64	peak	
2	*	10481.90	37.05	15.51	52.56	54.00	-1.44	AVG	

Orthogonal Axis :	X
Test Mode :	Band 1/ TX N20 Mode 5180MHz

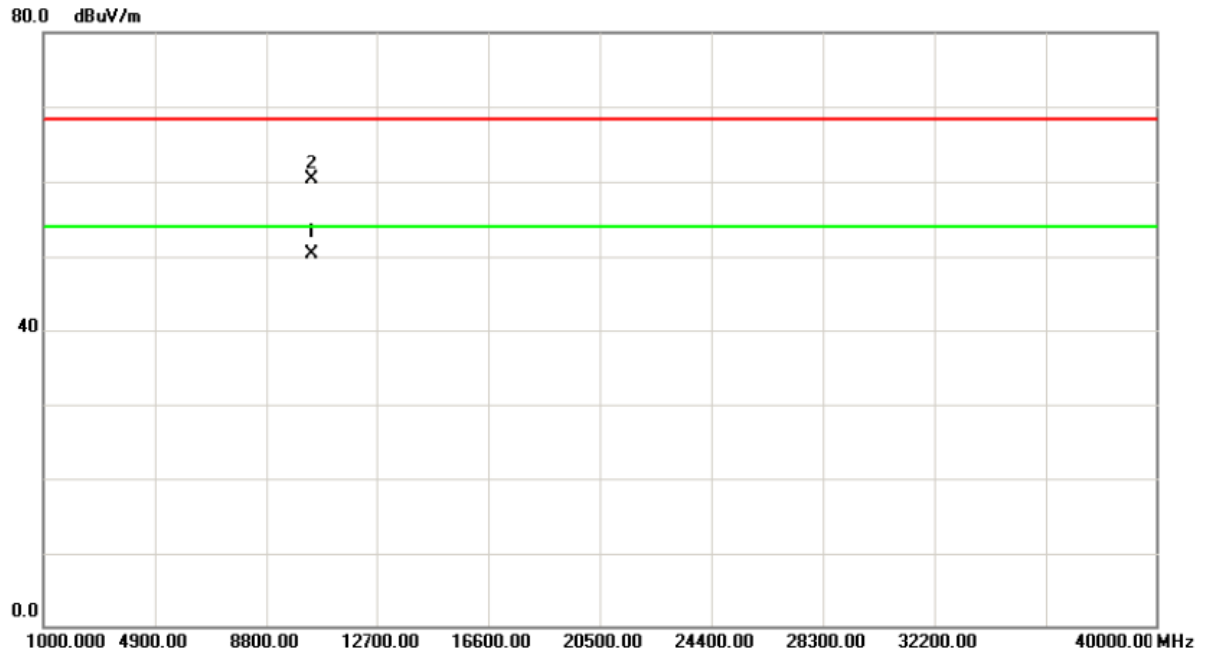
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		5099.000	18.04	41.79	59.83	68.30	-8.47	peak	
2		5099.000	8.85	41.79	50.64	54.00	-3.36	AVG	
3		5150.000	10.77	41.99	52.76	68.30	-15.54	peak	
4		5150.000	0.95	41.99	42.94	54.00	-11.06	AVG	
5	*	5188.000	54.76	42.15	96.91	54.00	42.91	AVG	Fundamental frequency, no limit
6	X	5188.200	64.26	42.15	106.41	68.30	38.11	peak	Fundamental frequency, no limit

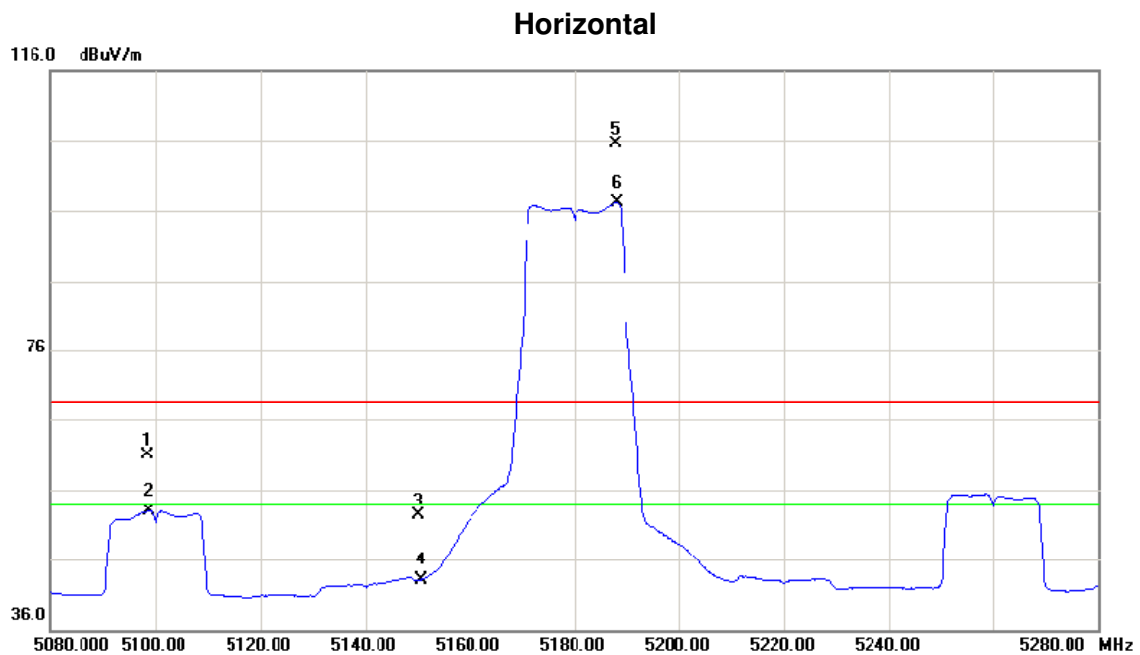
Orthogonal Axis :	X
Test Mode :	Band 1/ TX N20 Mode 5180MHz

Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	10359.95	34.56	15.70	50.26	54.00	-3.74	AVG	
2		10360.25	44.70	15.70	60.40	68.30	-7.90	peak	

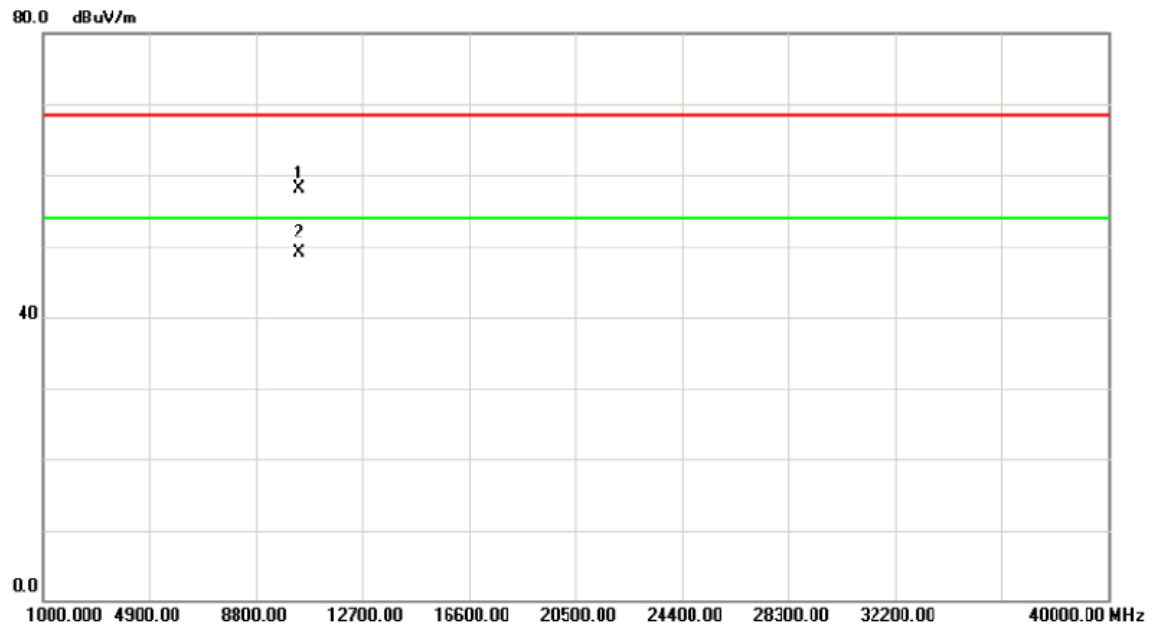
Orthogonal Axis :	X
Test Mode :	Band 1/ TX N20 Mode 5180MHz



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		5098.500	19.17	41.78	60.95	68.30	-7.35	peak	
2		5098.800	11.16	41.79	52.95	54.00	-1.05	AVG	
3		5150.000	10.26	41.99	52.25	68.30	-16.05	peak	
4		5150.000	1.10	41.99	43.09	54.00	-10.91	AVG	
5	X	5187.800	63.43	42.15	105.58	68.30	37.28	peak	Fundamental frequency, no limit
6	*	5188.000	54.89	42.15	97.04	54.00	43.04	AVG	Fundamental frequency, no limit

Orthogonal Axis :	X
Test Mode :	Band 1/ TX N20 Mode 5180MHz

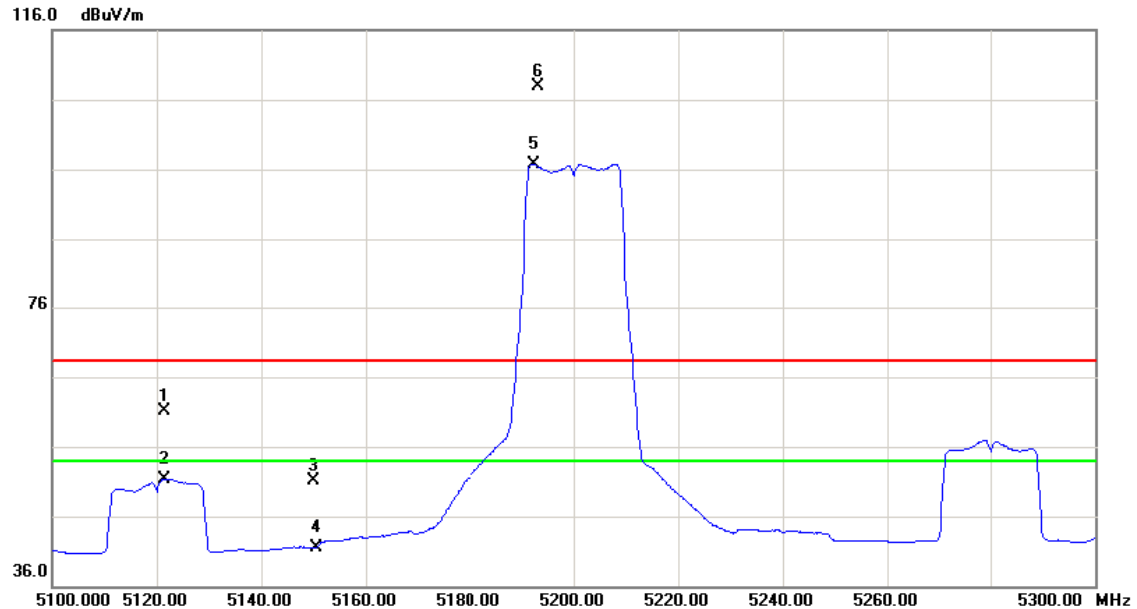
Horizontal



No	Mk	Freq	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		10360.25	42.50	15.70	58.20	68.30	-10.10	peak	
2	*	10360.25	33.34	15.70	49.04	54.00	-4.96	AVG	

Orthogonal Axis :	X
Test Mode :	Band 1/ TX N20 Mode 5200MHz

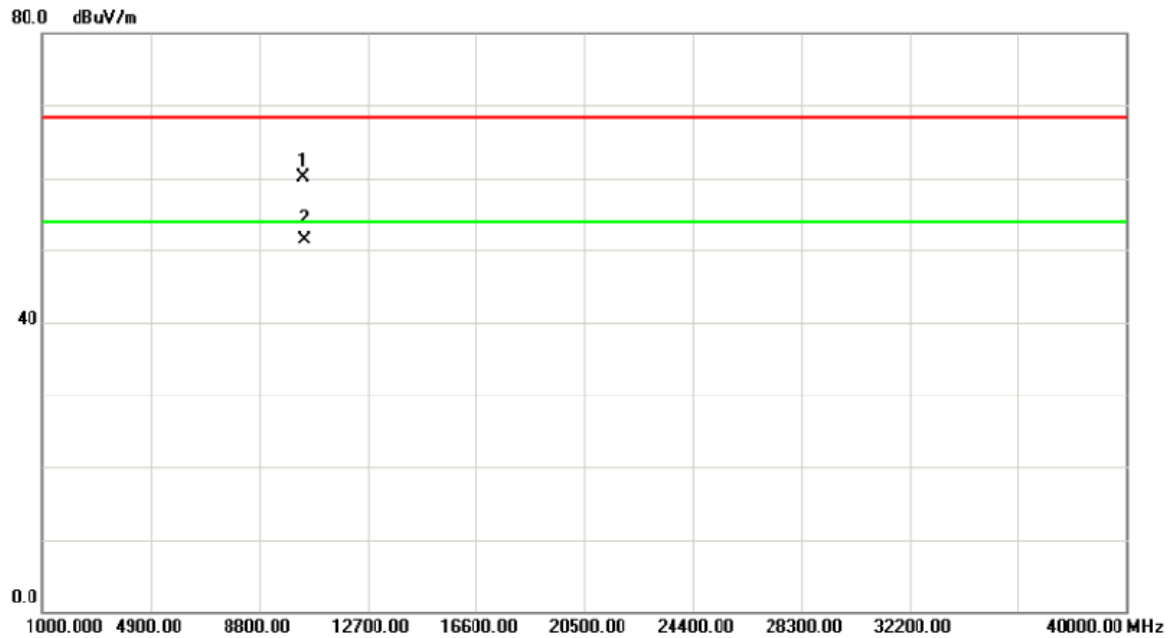
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		5121.400	19.16	41.88	61.04	68.30	-7.26	peak	
2		5121.400	9.44	41.88	51.32	54.00	-2.68	AVG	
3		5150.000	9.13	41.99	51.12	68.30	-17.18	peak	
4		5150.000	-0.46	41.99	41.53	54.00	-12.47	AVG	
5	*	5192.400	54.60	42.16	96.76	54.00	42.76	AVG	Fundamental frequency, no limit
6	X	5193.200	65.67	42.17	107.84	68.30	39.54	peak	Fundamental frequency, no limit

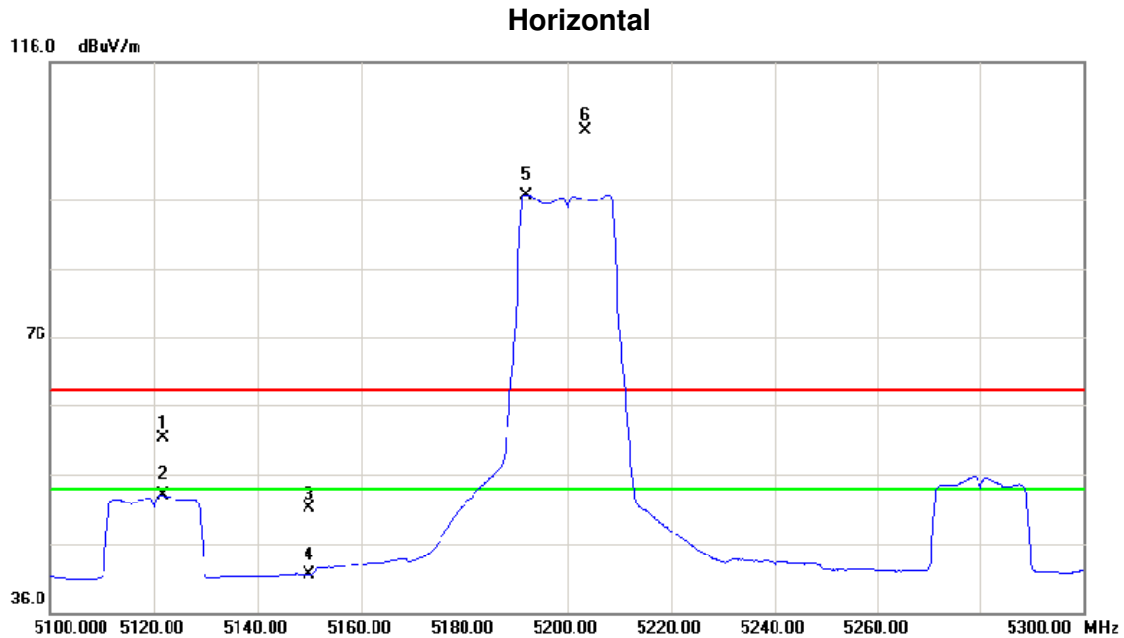
Orthogonal Axis :	X
Test Mode :	Band 1/ TX N20 Mode 5200MHz

Vertical



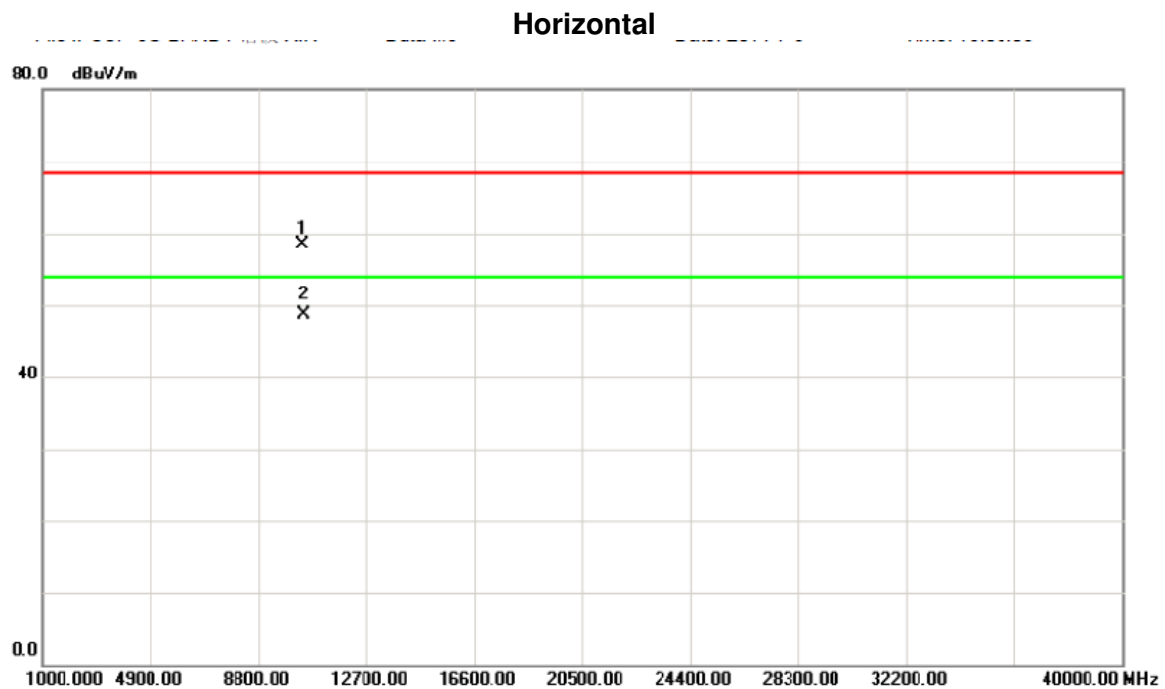
No	Mk	Freq MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		10399.90	44.49	15.64	60.13	68.30	-8.17	peak	
2	*	10399.90	35.89	15.64	51.53	54.00	-2.47	AVG	

Orthogonal Axis :	X
Test Mode :	Band 1/ TX N20 Mode 5200MHz



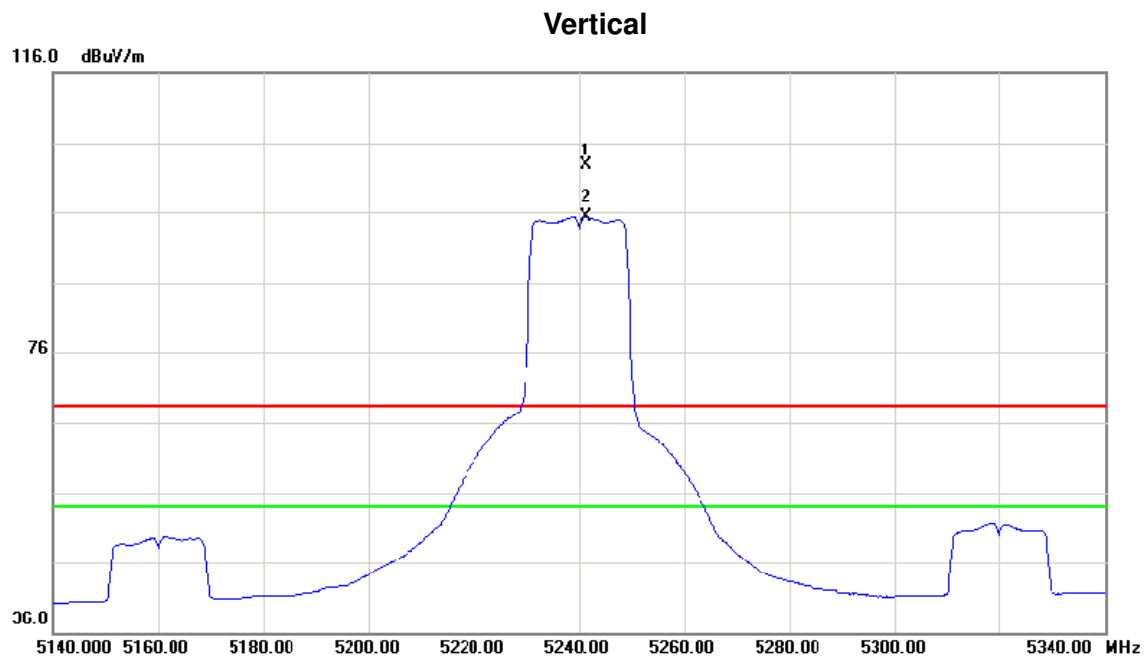
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		5121.600	19.49	41.88	61.37	68.30	-6.93	peak	
2		5121.600	11.19	41.88	53.07	54.00	-0.93	AVG	
3		5150.000	9.13	41.99	51.12	68.30	-17.18	peak	
4		5150.000	-0.45	41.99	41.54	54.00	-12.46	AVG	
5	*	5192.200	54.63	42.16	96.79	54.00	42.79	AVG	Fundamental frequency, no limit
6	X	5203.600	63.88	42.21	106.09	68.30	37.79	peak	Fundamental frequency, no limit

Orthogonal Axis :	X
Test Mode :	Band 1/ TX N20 Mode 5200MHz



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		10399.90	42.81	15.64	58.45	68.30	-9.85	peak	
2	*	10399.95	33.16	15.64	48.80	54.00	-5.20	AVG	

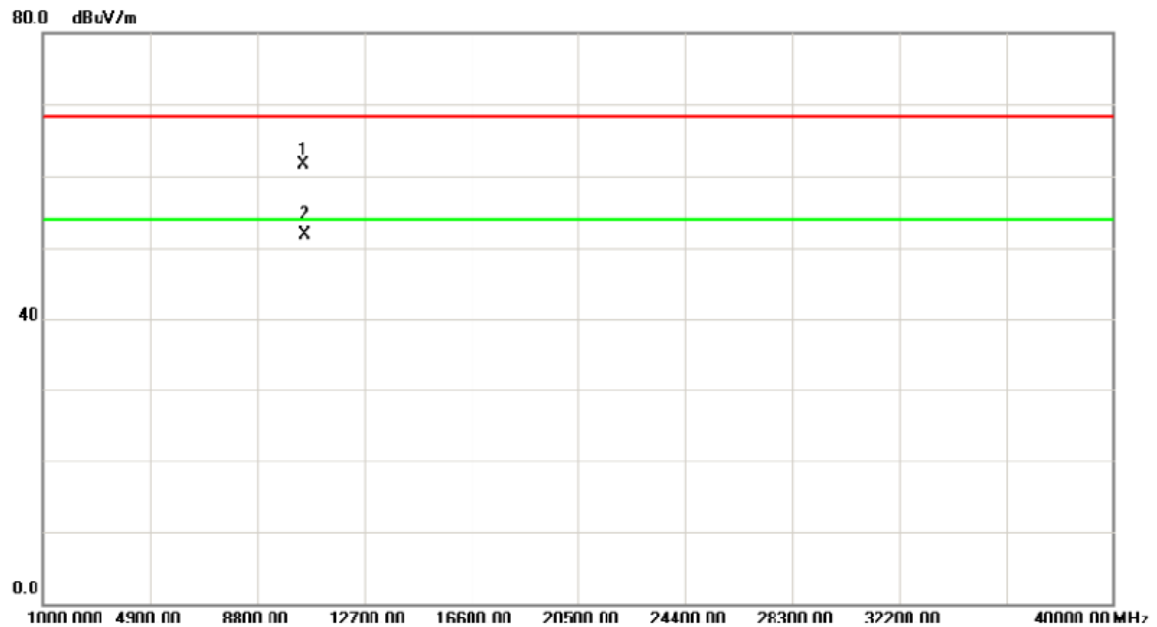
Orthogonal Axis :	X
Test Mode :	Band 1/ TX N20 Mode 5240MHz



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	X	5241.400	60.40	42.37	102.77	68.30	34.47	peak	Fundamental frequency, no limit
2	*	5241.400	52.95	42.37	95.32	54.00	41.32	AVG	Fundamental frequency, no limit

Orthogonal Axis :	X
Test Mode :	Band 1/ TX N20 Mode 5240MHz

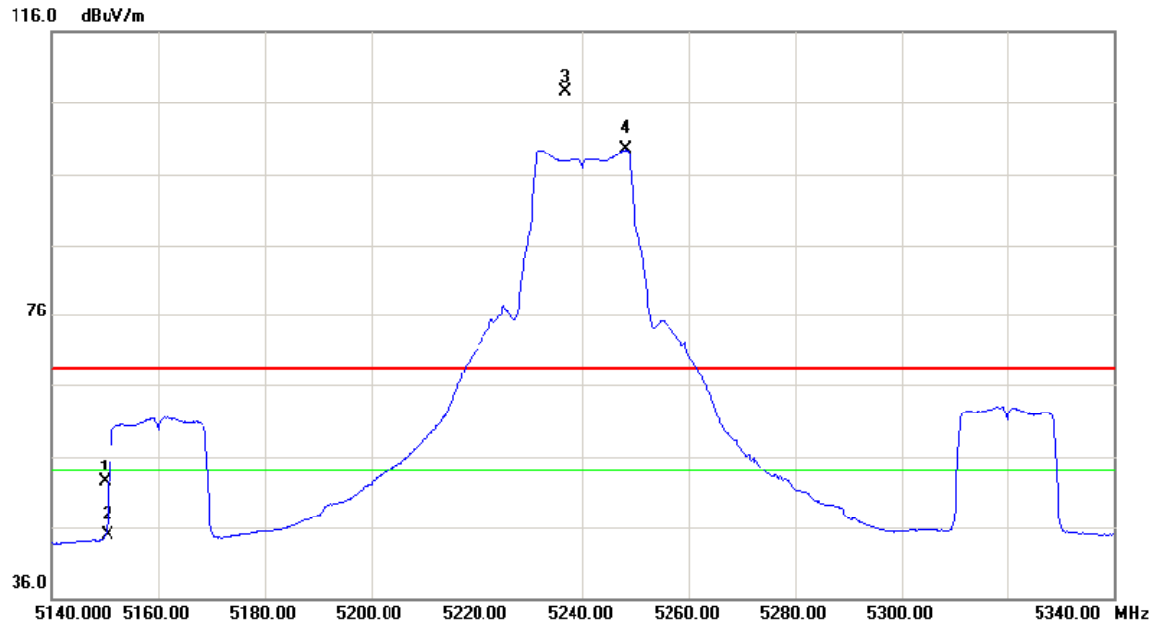
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector Comment
1		10480.15	46.04	15.51	61.55	68.30	-6.75	peak
2	*	10480.15	36.19	15.51	51.70	54.00	-2.30	AVG

Orthogonal Axis :	X
Test Mode :	Band 1/ TX N20 Mode 5240MHz

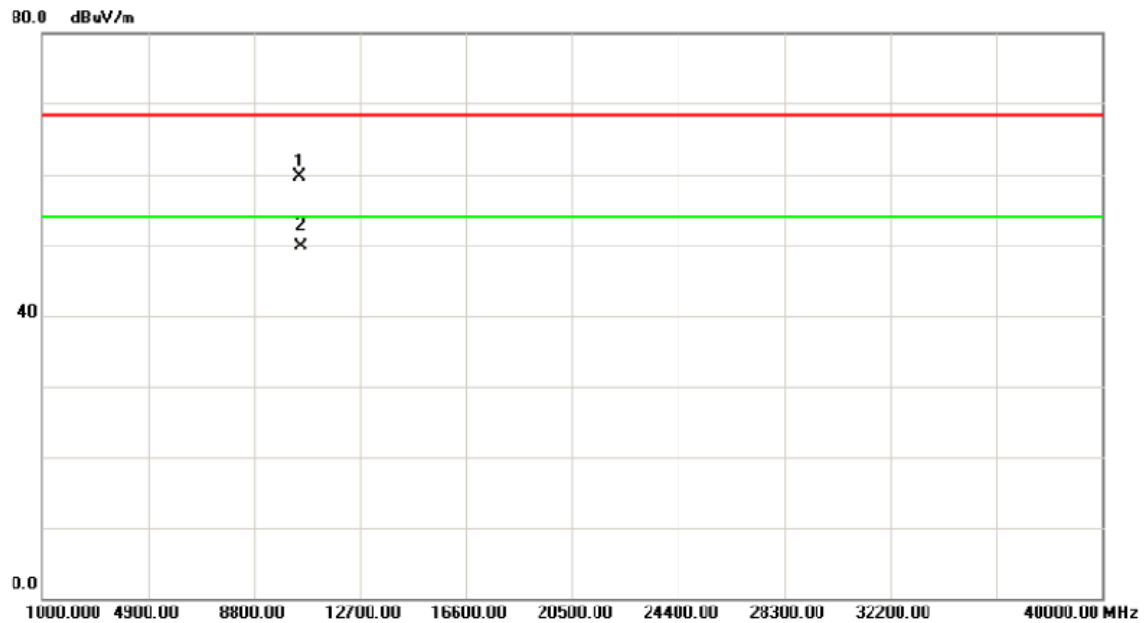
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		5150.000	10.36	41.99	52.35	68.30	-15.95	peak	
2		5150.000	2.87	41.99	44.86	54.00	-9.14	AVG	
3	X	5236.600	65.09	42.34	107.43	68.30	39.13	peak	Fundamental frequency, no limit
4	*	5248.000	57.03	42.39	99.42	54.00	45.42	AVG	Fundamental frequency, no limit

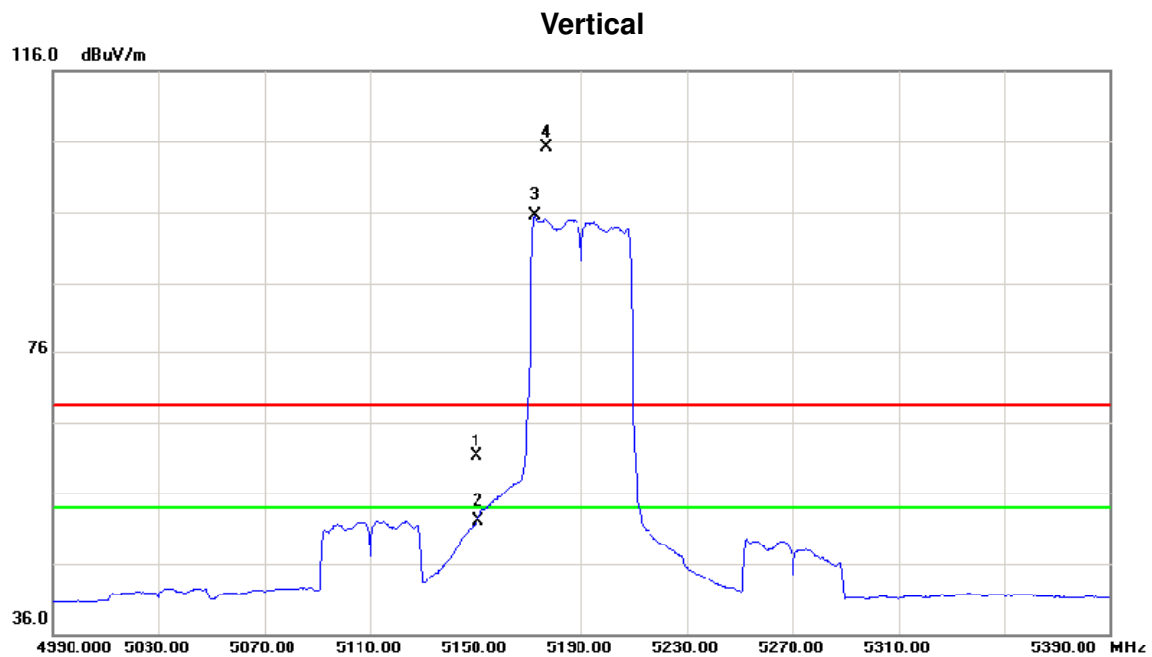
Orthogonal Axis :	X
Test Mode :	Band 1/ TX N20 Mode 5240MHz

Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector Comment
1		10480.15	44.28	15.51	59.79	68.30	-8.51	peak
2	*	10480.15	34.43	15.51	49.94	54.00	-4.06	AVC

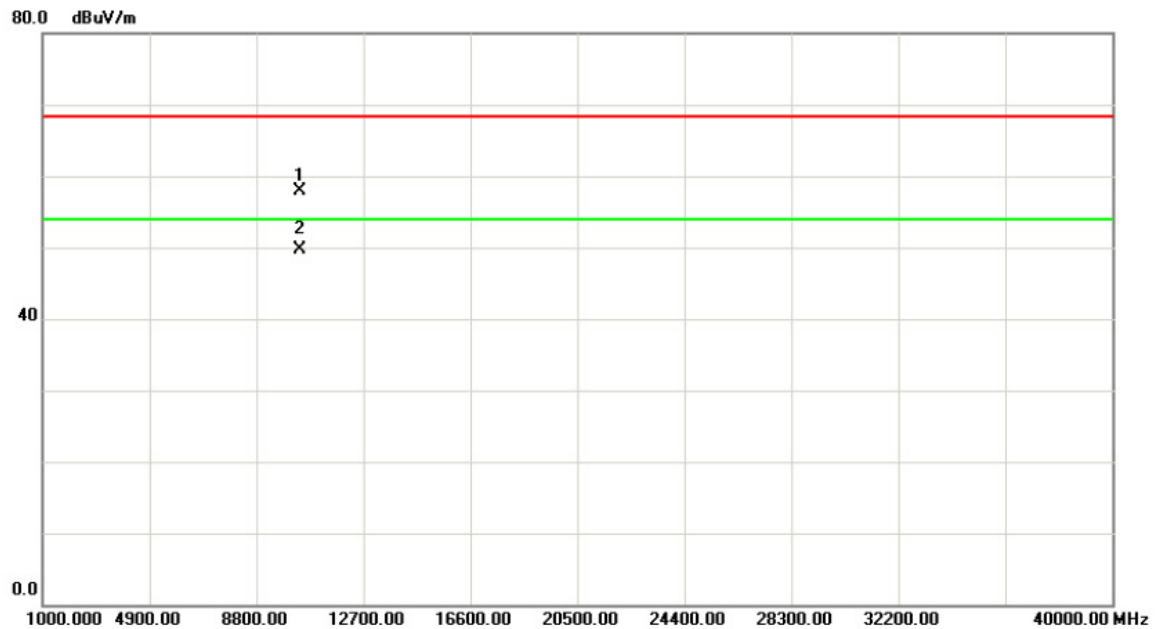
Orthogonal Axis :	X
Test Mode :	Band 1/ TX N40 Mode 5190MHz



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		5150.000	19.17	41.99	61.16	68.30	-7.14	peak	
2		5150.000	9.82	41.99	51.81	54.00	-2.19	AVG	
3	*	5172.400	53.33	42.08	95.41	54.00	41.41	AVG	Fundamental frequency, no limit
4	X	5176.000	62.96	42.10	105.06	60.30	36.76	peak	Fundamental frequency, no limit

Orthogonal Axis :	X
Test Mode :	Band 1/ TX N40 Mode 5190MHz

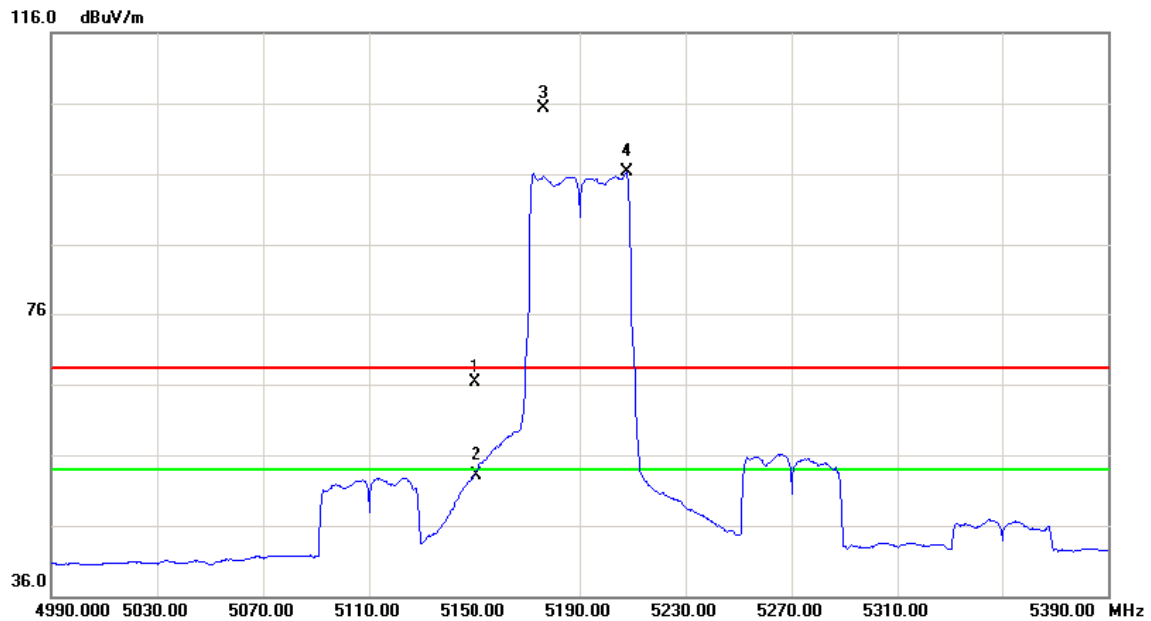
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		10378.70	42.14	15.67	57.81	68.30	-10.49	peak	
2	*	10378.70	33.97	15.67	49.64	54.00	-4.36	AVG	

Orthogonal Axis :	X
Test Mode :	Band 1/ TX N40 Mode 5190MHz

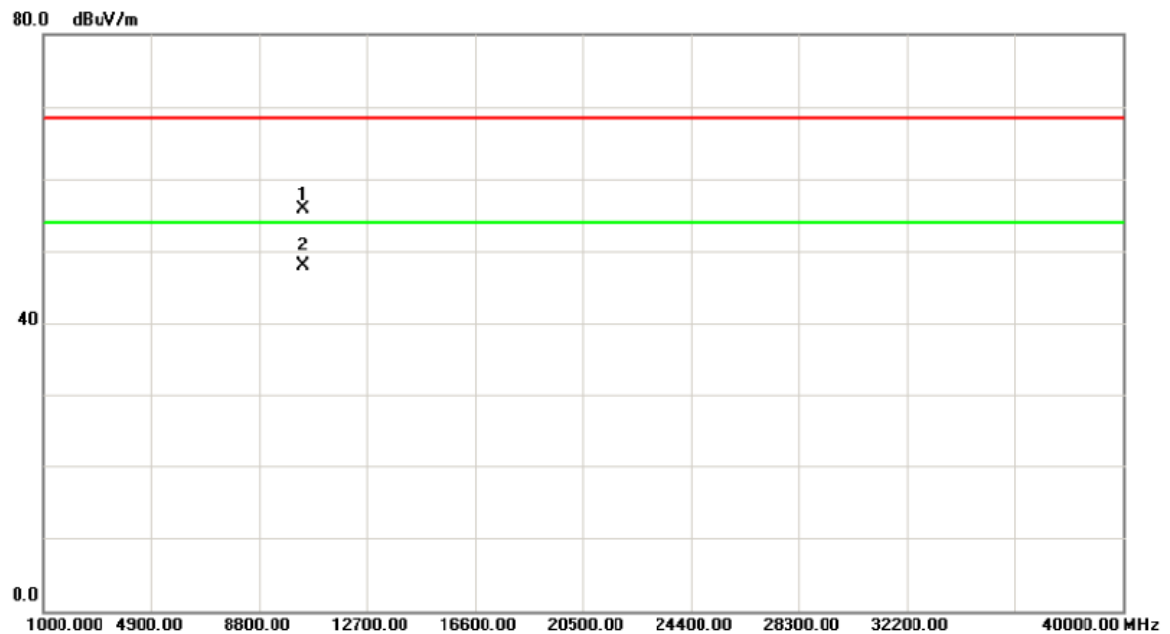
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		5150.000	24.34	41.99	66.33	68.30	-1.97	peak	
2		5150.000	11.16	41.99	53.15	54.00	-0.85	AVG	
3	X	5176.400	63.27	42.10	105.37	68.30	37.07	peak	Fundamental frequency, no limit
4	*	5207.600	54.06	42.23	96.29	54.00	42.29	AVG	Fundamental frequency, no limit

Orthogonal Axis :	X
Test Mode :	Band 1/ TX N40 Mode 5190MHz

Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		10378.70	40.12	15.67	55.79	68.30	-12.51	peak	
2	*	10378.70	32.20	15.67	47.87	54.00	-6.13	AVG	