



Wireless LAN Radio Test Report

FCC ID: XHM-P2350000

This report concerns (check one) : Original Grant Class I Change

Issued Date : Sep. 27, 2010
Project No. : R1006007
Equipment : Handheld Terminal
Model Name : P235

Applicant : FLYTECH TECHNOLOGY CO., LTD.
Address : 1F, No. 168, Sing-Ai Rd., NeiHu District
114, Taipei, Taiwan

Tested by: Neutron Engineering Inc. EMC Laboratory
Date of Receipt: Jun. 15, 2010
Date of Test: Jun. 15, 2010 ~ Sep. 09, 2010

Testing Engineer : Rush Kao
(Rush Kao)
Technical Manager : Jeff Yang
(Jeff Yang)
Authorized Signatory : Andy Chiu
(Andy Chiu)

Neutron Engineering Inc.
B1, No. 37, Lane 365, YangGuang St.,
NeiHu District 114, Taipei, Taiwan.
TEL: +886-2-2657-3299
FAX: +886-2-2657-3331





Declaration

Neutron 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.

Neutron's reports apply only to the specific samples tested under conditions. It is manufacture's responsibility to ensure that additional production units of this model are manufactured with the identical electrical and mechanical components. **Neutron** shall have no liability for any declarations, inferences or generalizations drawn by the client or others from **Neutron** issued reports.

Neutron's reports must not be used by the client to claim product endorsement by the authorities or any agency of the Government.

This report is the confidential property of the client. As a mutual protection to the clients, the public and **Neutron-self**, extracts from the test report shall not be reproduced except in full with **Neutron's** authorized written approval.

Neutron's laboratory quality assurance procedures are in compliance with the **ISO Guide 17025** requirements, and accredited by the conformity assessment authorities listed in this test report.

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.



Table of Contents	Page
1 . CERTIFICATION	5
2 . SUMMARY OF TEST RESULTS	6
2.1 TEST FACILITY	7
2.2 MEASUREMENT UNCERTAINTY	7
3 . GENERAL INFORMATION	8
3.1 GENERAL DESCRIPTION OF EUT	8
3.2 DESCRIPTION OF TEST MODES	10
3.3 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED	11
3.4 DESCRIPTION OF SUPPORT UNITS	12
4 . EMC EMISSION TEST	13
4.1 CONDUCTED EMISSION MEASUREMENT	13
4.1.1 POWER LINE CONDUCTED EMISSION	13
4.1.2 MEASUREMENT INSTRUMENTS LIST	13
4.1.3 TEST PROCEDURE	14
4.1.4 DEVIATION FROM TEST STANDARD	14
4.1.5 TEST SETUP	14
4.1.6 EUT OPERATING CONDITIONS	15
4.1.7 TEST RESULTS	16
4.2 RADIATED EMISSION MEASUREMENT	18
4.2.1 RADIATED EMISSION LIMITS	18
4.2.2 MEASUREMENT INSTRUMENTS LIST	19
4.2.3 TEST PROCEDURE	19
4.2.4 DEVIATION FROM TEST STANDARD	19
4.2.5 TEST SETUP	20
4.2.6 EUT OPERATING CONDITIONS	20
4.2.7 TEST RESULTS-BETWEEN 30MHZ - 1000MHZ	21
4.2.8 TEST RESULTS - ABOVE 1000MHZ	25
4.2.9 TEST RESULTS-RESTRICTED BANDS REQUIREMENTS	73
5 . BANDWITH TEST	89
5.1 APPLIED PROCEDURES / LIMIT	89
5.1.1 MEASUREMENT INSTRUMENTS LIST	89
5.1.2 TEST PROCEDURE	89
5.1.3 DEVIATION FROM STANDARD	89
5.1.4 TEST SETUP	89
5.1.5 EUT OPERATION CONDITIONS	89
5.1.6 TEST RESULTS	90



Table of Contents	Page
6 . PEAK OUTPUT POWER TEST	94
6.1 APPLIED PROCEDURES / LIMIT	94
6.1.1 MEASUREMENT INSTRUMENTS LIST	94
6.1.2 TEST PROCEDURE	94
6.1.3 DEVIATION FROM STANDARD	94
6.1.4 TEST SETUP	94
6.1.5 EUT OPERATION CONDITIONS	94
6.1.6 TEST RESULTS	95
7 . ANTENNA CONDUCTED SPURIOUS EMISSION	96
7.1 APPLIED PROCEDURES / LIMIT	96
7.1.1 MEASUREMENT INSTRUMENTS LIST	96
7.1.2 TEST PROCEDURE	96
7.1.3 DEVIATION FROM STANDARD	96
7.1.4 TEST SETUP	96
7.1.5 EUT OPERATION CONDITIONS	96
7.1.6 TEST RESULTS	97
8 . POWER SPECTRAL DENSITY TEST	105
8.1 APPLIED PROCEDURES / LIMIT	105
8.1.1 MEASUREMENT INSTRUMENTS LIST	105
8.1.2 TEST PROCEDURE	105
8.1.3 DEVIATION FROM STANDARD	105
8.1.4 TEST SETUP	105
8.1.5 EUT OPERATION CONDITIONS	105
8.1.6 TEST RESULTS	106
9 . EUT TEST PHOTO	110



1. CERTIFICATION

Equipment : Handheld Terminal
Brand Name : FLYTECH
Model Name : P235
Applicant : FLYTECH TECHNOLOGY CO., LTD.
Date of Test : Jun. 15, 2010 ~ Sep. 09, 2010
Standards : FCC Part15, Subpart C / ANCI C63.4 : 2003

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

The test data, data evaluation, and equipment configuration contained in our test report (Ref No. NEI-FCCP-1-R1006007) were obtained utilizing the test procedures, test instruments, test sites that has been accredited by the Authority of NVLAP and TAF according to the ISO-17025 quality assessment standard and technical standard(s).



2. SUMMARY OF TEST RESULTS

Test procedures according to the technical standards:

FCC Part15, Subpart C			
Standard Section	Test Item	Judgment	Remark
15.207	Conducted Emission	PASS	
15.247 (c)	Antenna conducted Spurious Emission	PASS	
15.247 (a)(2)	6dB Bandwidth	PASS	
15.247 (b)	Peak Output Power	PASS	
15.247 (c)	Radiated Spurious Emission	PASS	
15.247 (d)	Power Spectral Density	PASS	
15.203	Antenna Requirement	PASS	
1.1307 1.1310 2.1091 2.1093	RF Exposure Compliance	N/A	Note(2)

NOTE:

- (1) " N/A " denotes test is not applicable in this Test Report
- (2) Portable device; SAR report is required.



2.1 TEST FACILITY

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

- C01:** (VCCI RN: C-2918; T-1666)
No.132-1, Lane 329, Sec. 2, Palian Road, Shijr City, Taipei, Taiwan.
- CB08:** (VCCI RN: G-91; FCC RN: 614388)
1F., No. 61, Ln. 77, Sing-ai Rd., Neihu Dist., Taipei City 114, Taiwan (R.O.C.)

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 %**.

The measurement instrumentation uncertainty considerations contained in CISPR 16-4-2.

A. Conducted Measurement :

Test Site	Method	Measurement Frequency Range	U , (dB)	NOTE
C01	ANSI	150 KHz ~ 30MHz	1.94	

B. Other Measurement :

Test Site	Item	Measurement Frequency Range	Uncertainty	NOTE
CB08	Conducted Emission	Power Cable	< 30MHz	2.59 dB
	Radiated Emission at 3m	Horizontal Polarization	30 - 200MHz	3.35 dB
			200 - 1000MHz	3.11 dB
			1 - 18GHz	3.97 dB
			18 - 40GHz	4.01 dB
		Vertical Polarization	30 - 200MHz	3.22 dB
			200 - 1000MHz	3.24 dB
			1 - 18GHz	4.05 dB
			18 - 40GHz	4.04 dB
	Frequency Error Measurement	1	2.412GHz	290.00 Hz
		2	5.805GHz	724.30 Hz
	Output Power (Conducted)	-	2.412GHz	1.3 dB
		-	5.805GHz	1.55 dB
	Output Power (Radiated)	Horizontal Polarization	2.412GHz	4.21 dB
			5.805GHz	4.62 dB
		Vertical Polarization	2.412GHz	4.42 dB
			5.805GHz	4.74 dB
	Power Spectral Density	Conducted	2.412GHz	1.3 dB
			5.805GHz	1.67 dB
	Adjacent Channel Power Measurement (Radiated)	Horizontal Polarization	30 - 167MHz	4.22 dB
167 - 500MHz			3.44 dB	
500 - 1000MHz			3.39 dB	
Vertical Polarization		30 - 180MHz	3.37 dB	
		180 - 417MHz	3.19 dB	
		417 - 1000MHz	3.19 dB	

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

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

- Conducted Disturbance (mains port) – 150 kHz – 30 MHz : 3.6 dB
- Radiated Disturbance (electric field strength on an open area test site or alternative test site) – 30 MHz – 1000 MHz : 5.2 dB

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



3. GENERAL INFORMATION

3.1 GENERAL DESCRIPTION OF EUT

Equipment	Handheld Terminal																															
Brand Name	FLYTECH																															
Model Name	P235																															
OEM Brand/Model Name	N/A																															
Model Difference	<p>The EUT has two kinds of samples. Both samples are based on similar electrical circuit except the difference of list below:</p> <table border="1"> <thead> <tr> <th>Sample</th> <th>Antenna Type</th> </tr> </thead> <tbody> <tr> <td>Sample 1</td> <td>Antenna is built inside an External Card Reader.</td> </tr> <tr> <td>Sample 2</td> <td>Antenna is built in the main part without an External Card Reader.</td> </tr> </tbody> </table> <p>*Details please refer to the User's Manual.</p> <p>This report is issued for Wireless LAN function, so the difference is not considered. Both samples were used for final testing and collecting test data included in this report.</p>	Sample	Antenna Type	Sample 1	Antenna is built inside an External Card Reader.	Sample 2	Antenna is built in the main part without an External Card Reader.																									
Sample	Antenna Type																															
Sample 1	Antenna is built inside an External Card Reader.																															
Sample 2	Antenna is built in the main part without an External Card Reader.																															
Product Description	<p>The EUT is a Handheld Terminal. Wireless LAN:</p> <table border="1"> <tr> <td>Operation Frequency:</td> <td>2412 - 2462MHz</td> </tr> <tr> <td>Product Class:</td> <td>Class 1</td> </tr> <tr> <td>Receiver Class:</td> <td>Class 3</td> </tr> <tr> <td>Modulation Type:</td> <td>OFDM (54, 48, 36, 24, 18, 12, 9, 6Mbps) CCK (11Mbps, 5.5Mbps) DQPSK (2Mbps) DBPSK (1Mbps)</td> </tr> <tr> <td>Data Rate of Transmitter:</td> <td>802.11b: 11, 5.5, 2, 1 Mbps, auto rate 802.11g: 54, 48, 36, 24, 18, 12, 9, 6Mbps, auto rate</td> </tr> <tr> <td>Number Of Channel:</td> <td>11 please refer to Note 2.</td> </tr> <tr> <td>Output Power:</td> <td> <table border="1"> <thead> <tr> <th>Sample</th> <th>Data Rate</th> <th>dBm (Max.)</th> </tr> </thead> <tbody> <tr> <td rowspan="2">1</td> <td>1Mbps</td> <td>20.13</td> </tr> <tr> <td>6Mbps</td> <td>22.98</td> </tr> <tr> <td rowspan="2">2</td> <td>1Mbps</td> <td>20.13</td> </tr> <tr> <td>6Mbps</td> <td>22.98</td> </tr> </tbody> </table> </td> </tr> <tr> <td>Antenna Designation:</td> <td>Please see Note 3.</td> </tr> <tr> <td>Antenna Gain(Peak):</td> <td>Please see Note 3.</td> </tr> </table> <p>Based on the application, features, or specification exhibited in User's Manual, the EUT is considered as an ITE/Computing Device. More details of EUT technical specification, please refer to the User's Manual.</p>	Operation Frequency:	2412 - 2462MHz	Product Class:	Class 1	Receiver Class:	Class 3	Modulation Type:	OFDM (54, 48, 36, 24, 18, 12, 9, 6Mbps) CCK (11Mbps, 5.5Mbps) DQPSK (2Mbps) DBPSK (1Mbps)	Data Rate of Transmitter:	802.11b: 11, 5.5, 2, 1 Mbps, auto rate 802.11g: 54, 48, 36, 24, 18, 12, 9, 6Mbps, auto rate	Number Of Channel:	11 please refer to Note 2.	Output Power:	<table border="1"> <thead> <tr> <th>Sample</th> <th>Data Rate</th> <th>dBm (Max.)</th> </tr> </thead> <tbody> <tr> <td rowspan="2">1</td> <td>1Mbps</td> <td>20.13</td> </tr> <tr> <td>6Mbps</td> <td>22.98</td> </tr> <tr> <td rowspan="2">2</td> <td>1Mbps</td> <td>20.13</td> </tr> <tr> <td>6Mbps</td> <td>22.98</td> </tr> </tbody> </table>	Sample	Data Rate	dBm (Max.)	1	1Mbps	20.13	6Mbps	22.98	2	1Mbps	20.13	6Mbps	22.98	Antenna Designation:	Please see Note 3.	Antenna Gain(Peak):	Please see Note 3.
Operation Frequency:	2412 - 2462MHz																															
Product Class:	Class 1																															
Receiver Class:	Class 3																															
Modulation Type:	OFDM (54, 48, 36, 24, 18, 12, 9, 6Mbps) CCK (11Mbps, 5.5Mbps) DQPSK (2Mbps) DBPSK (1Mbps)																															
Data Rate of Transmitter:	802.11b: 11, 5.5, 2, 1 Mbps, auto rate 802.11g: 54, 48, 36, 24, 18, 12, 9, 6Mbps, auto rate																															
Number Of Channel:	11 please refer to Note 2.																															
Output Power:	<table border="1"> <thead> <tr> <th>Sample</th> <th>Data Rate</th> <th>dBm (Max.)</th> </tr> </thead> <tbody> <tr> <td rowspan="2">1</td> <td>1Mbps</td> <td>20.13</td> </tr> <tr> <td>6Mbps</td> <td>22.98</td> </tr> <tr> <td rowspan="2">2</td> <td>1Mbps</td> <td>20.13</td> </tr> <tr> <td>6Mbps</td> <td>22.98</td> </tr> </tbody> </table>	Sample	Data Rate	dBm (Max.)	1	1Mbps	20.13	6Mbps	22.98	2	1Mbps	20.13	6Mbps	22.98																		
Sample	Data Rate	dBm (Max.)																														
1	1Mbps	20.13																														
	6Mbps	22.98																														
2	1Mbps	20.13																														
	6Mbps	22.98																														
Antenna Designation:	Please see Note 3.																															
Antenna Gain(Peak):	Please see Note 3.																															



Power Source	Rechargeable battery supplied. (Charged by AC ADAPTER.)
Power Rating	Please refer to Products Covered .
Connecting I/O Port(s)	Please refer to the User's Manual
Products Covered	Motherboard: FLYTECH B22 CPU: Marvell XScale270 Main Display (4.3" LCD PANEL): LG LB043WQ1-TD01 Battery: MiTAC BA220000 AC ADAPTER (optional): (1) EDAC EA1015A-2U; EDAC EA1015A-2E I/P: AC 100-240V~1.0A 50-60Hz / O/P: DC 5.0V, 2A (2) EDAC EA1015A-2L I/P: AC 100-240V~1.0A 50-60Hz / O/P: DC 3-5V, 2.5A MAX. & 10W MAX. (3) CWT CAP011051 I/P: AC 100-240V 47-63Hz 0.35A / O/P: DC 5.0V, 2.2A (4) EDAC EA10301 I/P: AC 100-240V~1.0A, 50-60Hz / O/P: DC 9-12V, 3.0A MAX. & 30W MAX.
EUT Modification(s)	N/A

Note:

- For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.
- Wireless LAN Channel List:

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
01	2412	05	2432	09	2452
02	2417	06	2437	10	2457
03	2422	07	2442	11	2462
04	2427	08	2447		

3. Antenna List:

Antenna	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
Wireless LAN (Sample 1)	foxconn	N/A	Sleeve Dipole	I-PEX	4.91
Wireless LAN (Sample 2)	foxconn	N/A	IFA	I-PEX	1.32



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 Test Mode	Description
Mode 1	Sample 1_802.11b_CH01 / CH06 / CH11 (ADAPTER : CAP011051)
Mode 2	Sample 1_802.11g_CH01 / CH06 / CH11 (ADAPTER : CAP011051)
Mode 3	Sample 2_802.11b_CH01 / CH06 / CH11 (ADAPTER : CAP011051)
Mode 4	Sample 2_802.11g_CH01 / CH06 / CH11 (ADAPTER : CAP011051)
Mode 5	Sample 1_802.11b_CH06(ADAPTER : EA1015A-2U)
Mode 6	Sample 1_802.11b_CH06(ADAPTER : EA10301)

For Final Conducted Test

Final Test Mode	Description
Mode 1	Sample 1_802.11b_CH06 (ADAPTER : CAP011051)

For Final Radiated Test < 1GHz

Final Test Mode	Description
Mode 1	Sample 1_802.11b_CH06 (ADAPTER : CAP011051)
Mode 3	Sample 2_802.11b_CH06 (ADAPTER : CAP011051)

For Final Radiated Test > 1GHz

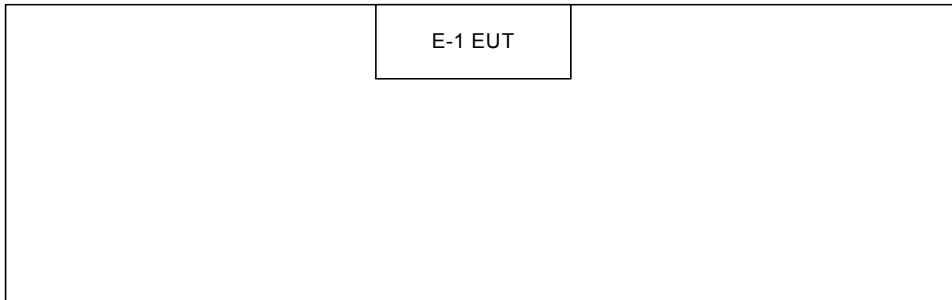
Final Test Mode	Description
Mode 1	Sample 1_802.11b_CH01 / CH06 / CH11 (ADAPTER : CAP011051)
Mode 2	Sample 1_802.11g_CH01 / CH06 / CH11 (ADAPTER : CAP011051)
Mode 3	Sample 2_802.11b_CH01 / CH06 / CH11 (ADAPTER : CAP011051)
Mode 4	Sample 2_802.11g_CH01 / CH06 / CH11 (ADAPTER : CAP011051)

For Final Antenna Port Conducted Measurement

Final Test Mode	Description
Mode 1	Sample 1_802.11b_CH01 / CH06 / CH11 (ADAPTER : CAP011051)
Mode 2	Sample 1_802.11g_CH01 / CH06 / CH11 (ADAPTER : CAP011051)
Mode 3	Sample 2_802.11b_CH01 / CH06 / CH11 (ADAPTER : CAP011051)
Mode 4	Sample 2_802.11g_CH01 / CH06 / CH11 (ADAPTER : CAP011051)



3.3 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED





3.4 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	Handheld Terminal	FLYTECH	P235	XHM-P2350000	N/A	EUT

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

Note:

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



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 MEASUREMENT INSTRUMENTS LIST

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	LISN	EMCO	3816/2	00042991	Feb. 07, 2011
2	Test Cable	TIMES	LMR-400	SR03_C_01&02	Aug. 18, 2011
3	Pulse Limiter	Electro-Metrics	EM-7600	112644	Dec. 27, 2010
4	EMI Test Receiver	R&S	ESCI	100082	Mar. 16, 2011
5	50Ω BNC TYPE Terminator	N/A	N/A	01	May 25, 2011
6	50Ω BNC TYPE Terminator	N/A	N/A	03	May 25, 2011

Remark: " N/A" denotes No Model Name , Serial No. or No Calibration specified.

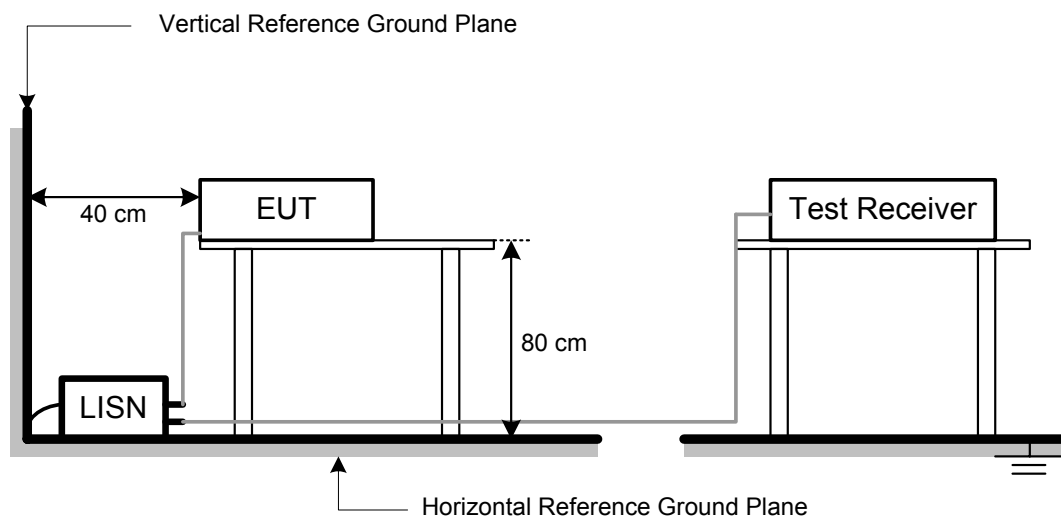
4.1.3 TEST PROCEDURE

- 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.

4.1.4 DEVIATION FROM TEST STANDARD

No deviation

4.1.5 TEST SETUP





4.1.6 EUT OPERATING CONDITIONS

The EUT exercise program (Sychip Fcc Test 0.1.0.1) used during radiated and/or conducted emission measurement was designed to exercise the various system components in a manner similar to a typical use.



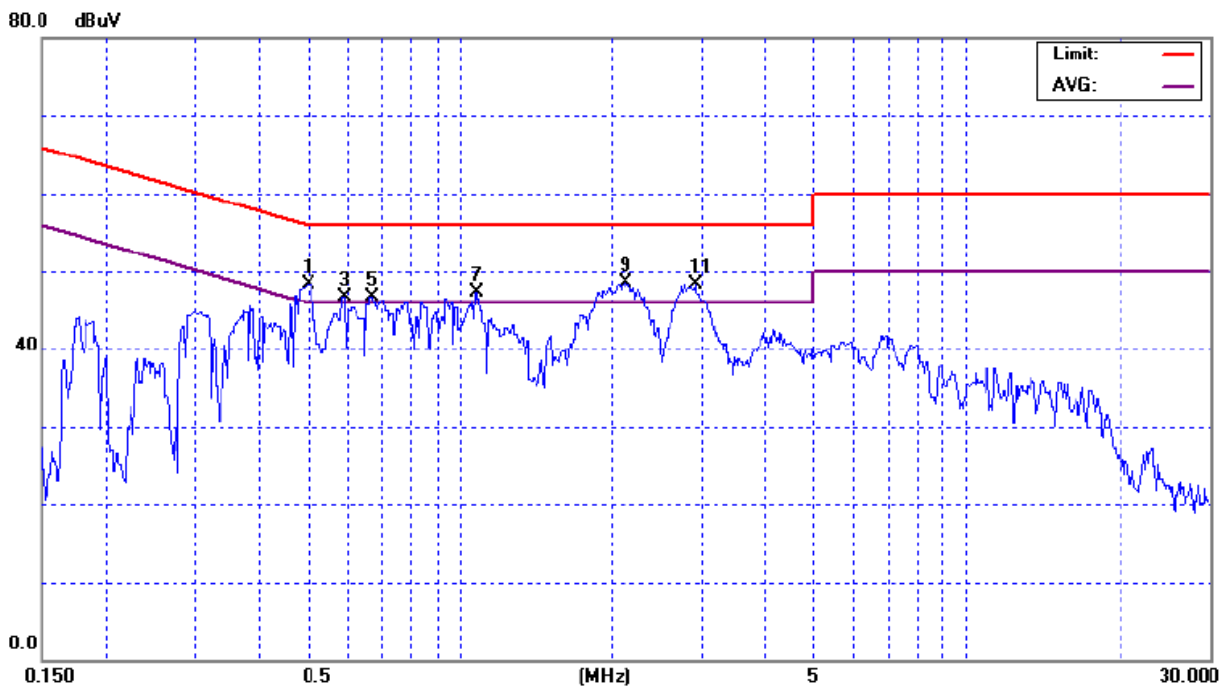
4.1.7 TEST RESULTS

E.U.T :	Handheld Terminal	Model Name :	P235
Temperature :	24 °C	Relative Humidity :	48%
Test Voltage :	AC 120V/60Hz		
Test Mode :	Sample 1_802.11b_CH06 (ADAPTER : CAP011051)		

Freq. (MHz)	Terminal L/N	Reading Level(dBuV)		Correct Factor(dB)	Measurement(dBuV)		Limit(dBuV)		Margin (dB)	Note
		QP-Mode	AV-Mode		QP-Mode	AV-Mode	QP-Mode	AV-Mode		
0.5000	Line	38.79	17.50	9.61	48.40	27.11	56.00	46.00	-7.60	(QP)
0.5900	Line	37.17	16.30	9.60	46.77	25.90	56.00	46.00	-9.23	(QP)
0.6710	Line	37.03	16.20	9.59	46.62	25.79	56.00	46.00	-9.38	(QP)
1.0760	Line	37.73	16.10	9.57	47.30	25.67	56.00	46.00	-8.70	(QP)
2.1110	Line	38.94	18.00	9.62	48.56	27.62	56.00	46.00	-7.44	(QP)
2.9120	Line	38.71	18.80	9.65	48.36	28.45	56.00	46.00	-7.64	(QP)

Remark

- (1) Reading in which marked as QP means measurements by using are Quasi-Peak Mode with Detector BW=9KHz; SPA setting in RBW=10KHz,VBW =10KHz, Swp. Time = 0.2 sec./MHz ◦
Reading in which marked as AV means measurements by using are Average Mode with instrument setting in RBW=10KHz,VBW=10KHz, Swp. Time =0.2 sec./MHz ◦
- (2) 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 ◦
- (3) Measuring frequency range from 150KHz to 30MHz ◦



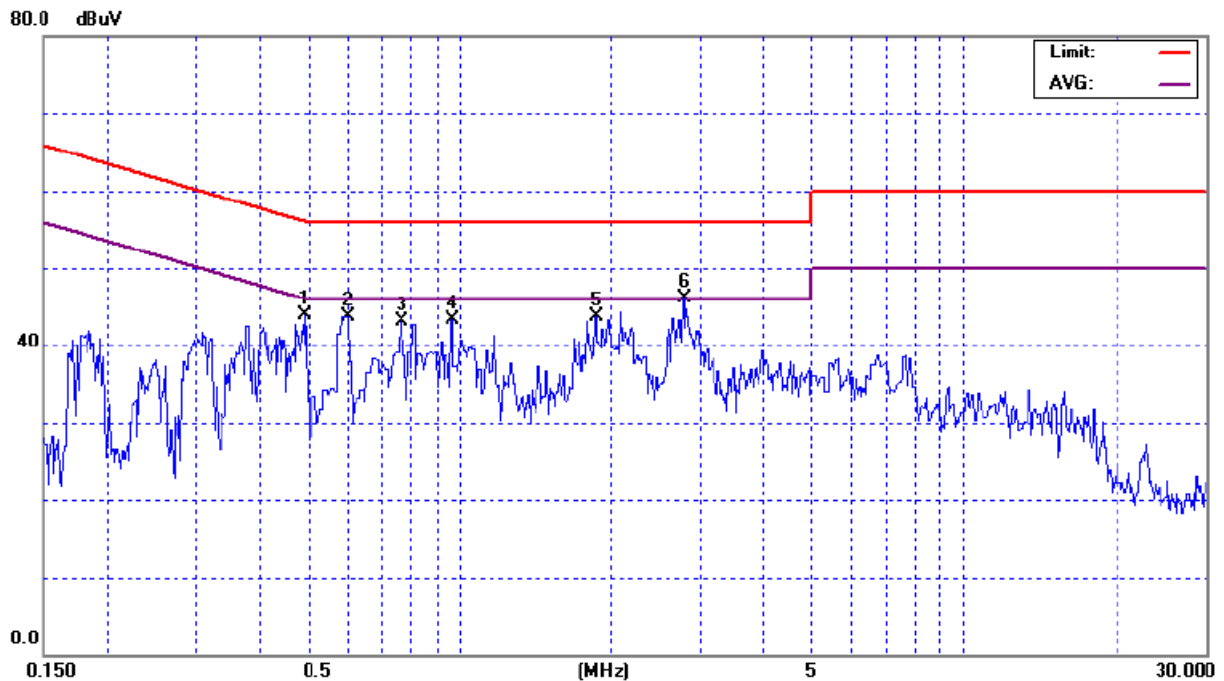


E.U.T :	Handheld Terminal	Model Name :	P235
Temperature :	24 °C	Relative Humidity :	48%
Test Voltage :	AC 120V/60Hz		
Test Mode :	Sample 1_802.11b_CH06 (ADAPTER : CAP011051)		

Freq. (MHz)	Terminal L/N	Reading Level(dBuV)		Correct Factor(dB)	Measurement(dBuV)		Limit(dBuV)		Margin (dB)	Note
		QP-Mode	AV-Mode		QP-Mode	AV-Mode	QP-Mode	AV-Mode		
0.4937	Neutral	34.18	*	9.65	43.83	*	56.11	46.11	-12.28	(QP)
0.5990	Neutral	34.06	*	9.64	43.70	*	56.00	46.00	-12.30	(QP)
0.7700	Neutral	33.41	*	9.63	43.04	*	56.00	46.00	-12.96	(QP)
0.9680	Neutral	33.66	*	9.62	43.28	*	56.00	46.00	-12.72	(QP)
1.8590	Neutral	34.00	*	9.67	43.67	*	56.00	46.00	-12.33	(QP)
2.7860	Neutral	36.29	16.50	9.72	46.01	26.22	56.00	46.00	-9.99	(QP)

Remark

- (1) Reading in which marked as QP means measurements by using are Quasi-Peak Mode with Detector BW=9KHz; SPA setting in RBW=10KHz,VBW =10KHz, Swp. Time = 0.2 sec./MHz ◦
Reading in which marked as AV means measurements by using are Average Mode with instrument setting in RBW=10KHz,VBW=10KHz, Swp. Time =0.2 sec./MHz ◦
- (2) 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 ◦
- (3) 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), then the 15.209(a) limit in the table below has to be followed.

Frequencies (MHz)	Field Strength (micovolts/meter)	Measurement Distance (meters)
0.009~0.490	2400/F(KHz)	300
0.490~1.705	24000/F(KHz)	30
1.705~30.0	30	30
30~88	100	3
88~216	150	3
216~960	200	3
Above 960	500	3

LIMITS OF RADIATED EMISSION MEASUREMENT (Above 1000MHz)

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

Notes:

- (1) The limit for radiated test was performed according to FCC PART 15B.
- (2) The tighter limit applies at the band edges.
- (3) Emission level (dBuV/m)=20log Emission level (uV/m).



4.2.2 MEASUREMENT INSTRUMENTS LIST

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP-40	100129	Aug. 31, 2011
2	Horn Antenna	Schwarzbeck	BBHA 9120	D-325	Dec. 15, 2010
3	Microwave Pre_amplifier	Agilent	8449B	3008A01714	Apr. 20, 2011
4	Microflex Cable	N/A	N/A	1m	May. 19, 2011
5	Microflex Cable	AISI	S104-SMAP-1	10m	Aug. 22, 2011
6	Microflex Cable	N/A	N/A	3m	Aug. 22, 2011
7	Test Cable	N/A	LMR-400	966_12m	Jun. 17, 2011
8	Test Cable	N/A	LMR-400	966_3m	Jun. 17, 2011
9	Pre-Amplifier	EMC	EMC-330	980001	Jun. 03, 2011
10	Log-Bicon Antenna	Schwarzbeck	VULB9168-352	9168-352	Jun. 17, 2011

Remark: " N/A" denotes No Model Name / Serial No. and No Calibration specified.

4.2.3 TEST PROCEDURE

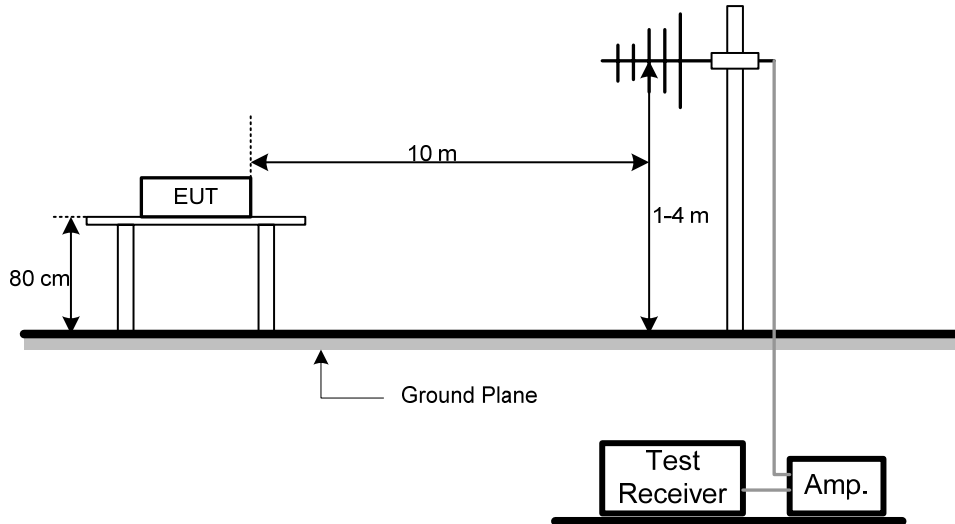
- a. The measuring distance of at 10 m shall be used for measurements at frequency up to 1GHz. For frequencies above 1GHz, any suitable measuring distance may be used.
- b. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3m or 10 meter open area test site. The table was rotated 360 degrees to determine the position of the highest radiation.
- c. The height of the equipment or of the substitution antenna shall be 0.8 m; 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.

4.2.4 DEVIATION FROM TEST STANDARD

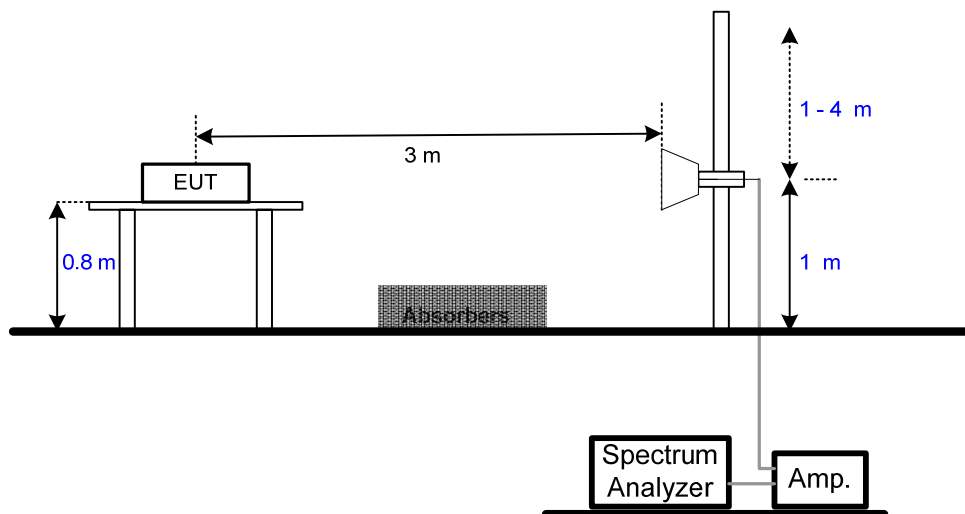
No deviation

4.2.5 TEST SETUP

Radiated Emission Test Set-Up Frequency 30 - 1000MHz



Radiated Emission Test Set-Up Frequency Above 1 GHz



4.2.6 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.



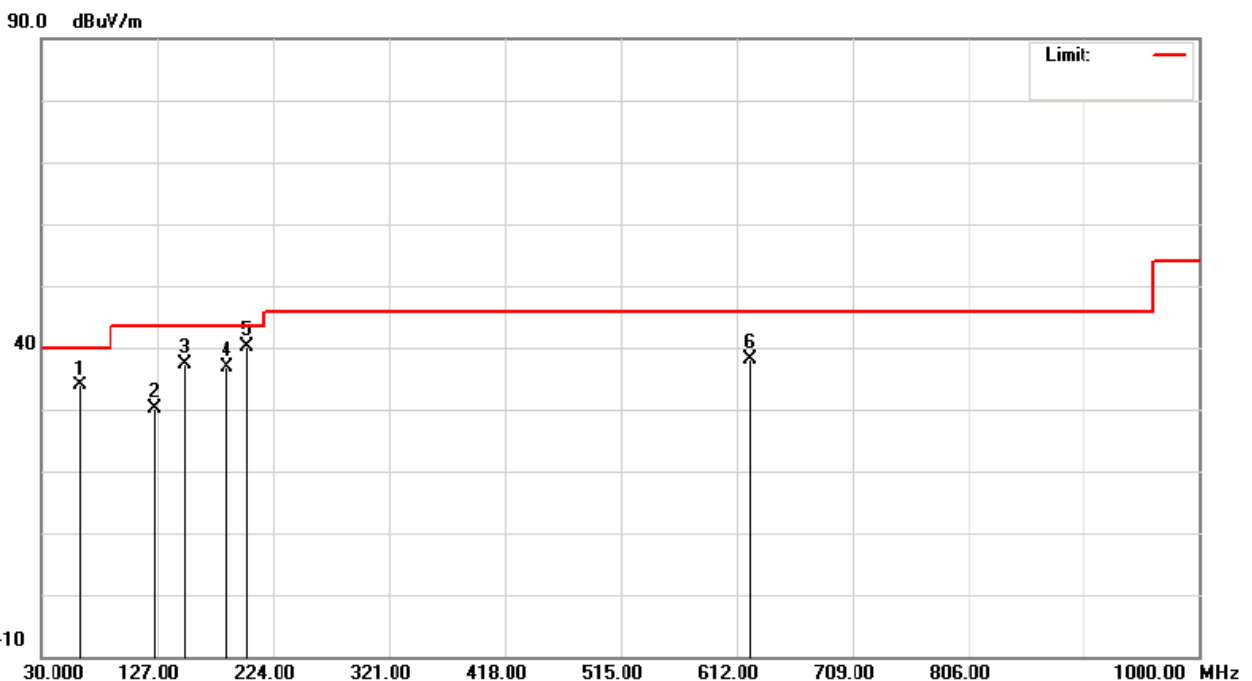
4.2.7 TEST RESULTS-BETWEEN 30MHZ - 1000MHZ

EUT :	Handheld Terminal	Model Name :	P235
Temperature :	24 ° C	Relative Humidity :	51%
Test Voltage :	AC 120V/60Hz		
Test Mode :	Sample 1_802.11b_CH06 (ADAPTER : CAP011051)		

Freq. (MHz)	Ant. H/V	Reading(RA) (dBuV)	Corr.Factor(CF) (dB)	Measured(FS) (dBuV/m)	Limits(QP) (dBuV/m)	Margin (dB)	Note
62.98	V	51.83	-17.94	33.89	40.00	- 6.11	
125.06	V	48.49	-18.24	30.25	43.50	- 13.25	
150.28	V	54.13	-16.72	37.41	43.50	- 6.09	
185.20	V	55.68	-18.71	36.97	43.50	- 6.53	
202.66	V	59.51	-19.31	40.20	43.50	- 3.30	
623.64	V	46.65	-8.42	38.23	46.00	- 7.77	

Remark :

- (1) Spectrum Setting : 30MHz – 1000MHz , RBW= 100KHz, VBW=100KHz, Sweep time = 200 ms. 1GHz- 25GHz, RBW= 1MHz, VBW= 1MHz, Sweep time = Auto
- (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 or the 10th harmonic of highest fundamental frequency ◦ “F” denotes fundamental frequency; “ H” denotes spurious frequency. “E” denotes band edge frequency.
- (4) Radiated emissions measured in frequency range from 30 MHz to 1000 MHz were made with an instrument using Peak detector mode or QP detector mode of the emission ◦
- (5) 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.



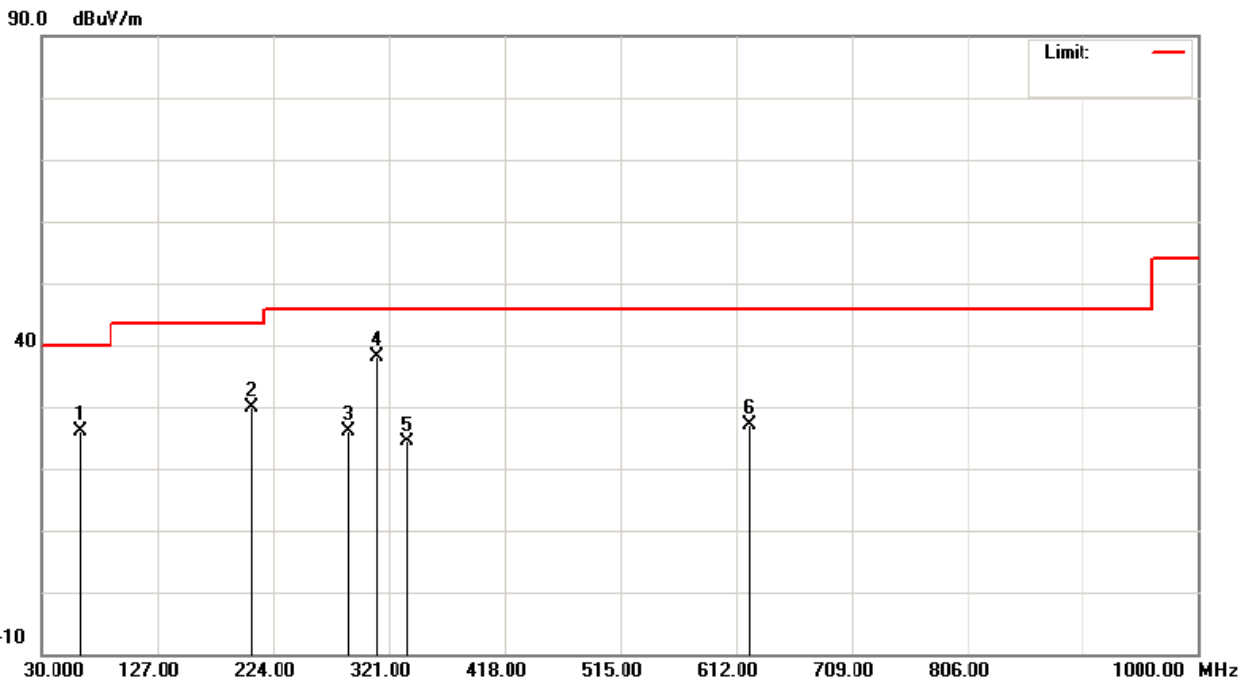


EUT :	Handheld Terminal	Model Name :	P235
Temperature :	24 °C	Relative Humidity :	51%
Test Voltage :	AC 120V/60Hz		
Test Mode :	Sample 1_802.11b_CH06 (ADAPTER : CAP011051)		

Freq. (MHz)	Ant. H/V	Reading(RA) (dBuV)	Corr.Factor(CF) (dB)	Measured(FS) (dBuV/m)	Limits(QP) (dBuV/m)	Margin (dB)	Note
62.98	H	44.19	-17.94	26.25	40.00	- 13.75	
206.54	H	49.14	-19.27	29.87	43.50	- 13.63	
288.02	H	42.33	-16.10	26.23	46.00	- 19.77	
311.30	H	53.58	-15.52	38.06	46.00	- 7.94	
336.52	H	39.34	-14.88	24.46	46.00	- 21.54	
623.64	H	35.61	-8.42	27.19	46.00	- 18.81	

Remark :

- (1) Spectrum Setting : 30MHz – 1000MHz , RBW= 100KHz, VBW=100KHz, Sweep time = 200 ms. 1GHz- 25GHz, RBW= 1MHz, VBW= 1MHz, Sweep time = Auto
- (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 or the 10th harmonic of highest fundamental frequency ◦ “F” denotes fundamental frequency; “ H” denotes spurious frequency. “E” denotes band edge frequency.
- (4) Radiated emissions measured in frequency range from 30 MHz to 1000 MHz were made with an instrument using Peak detector mode or QP detector mode of the emission ◦
- (5) 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.



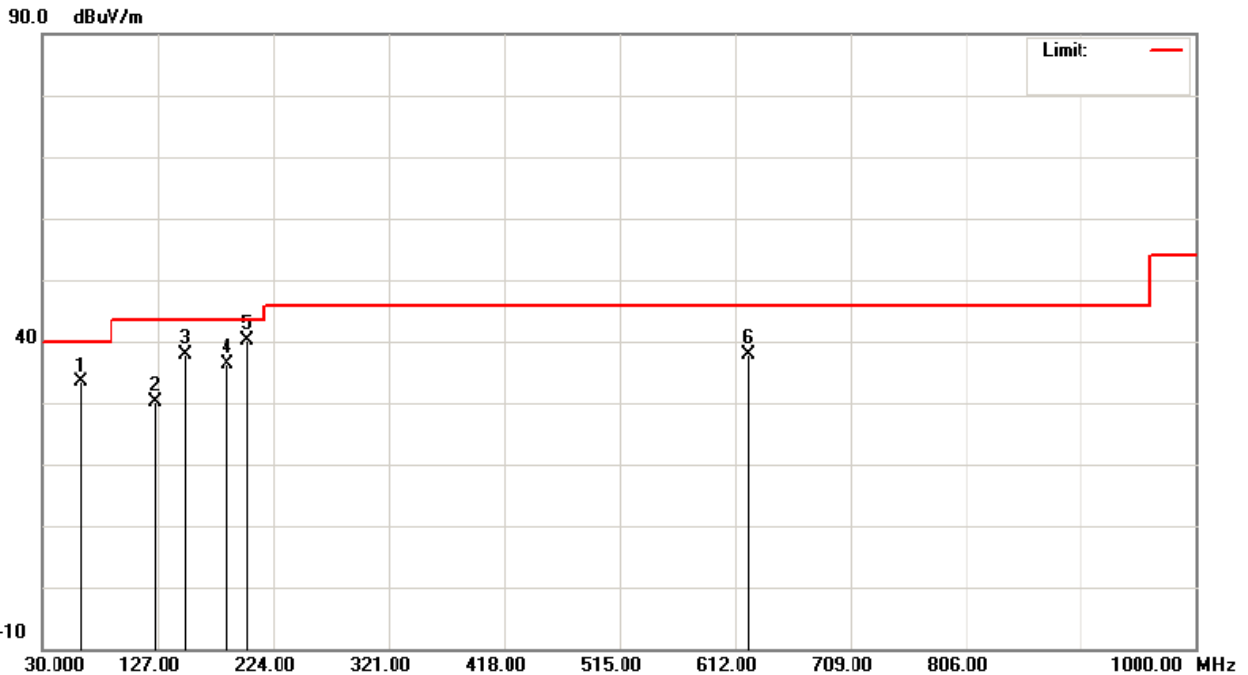


EUT :	Handheld Terminal	Model Name :	P235
Temperature :	24 °C	Relative Humidity :	51%
Test Voltage :	AC 120V/60Hz		
Test Mode :	Sample 2_802.11b_CH06 (ADAPTER : CAP011051)		

Freq. (MHz)	Ant. H/V	Reading(RA) (dBuV)	Corr.Factor(CF) (dB)	Measured(FS) (dBuV/m)	Limits(QP) (dBuV/m)	Margin (dB)	Note
62.98	V	51.36	-17.94	33.42	40.00	- 6.58	
125.06	V	48.44	-18.24	30.20	43.50	- 13.30	
150.28	V	54.52	-16.72	37.80	43.50	- 5.70	
185.20	V	55.21	-18.71	36.50	43.50	- 7.00	
202.66	V	59.37	-19.31	40.06	43.50	- 3.44	
623.64	V	46.42	-8.42	38.00	46.00	- 8.00	

Remark :

- (1) Spectrum Setting : 30MHz – 1000MHz , RBW= 100KHz, VBW=100KHz, Sweep time = 200 ms. 1GHz- 25GHz, RBW= 1MHz, VBW= 1MHz, Sweep time = Auto
- (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 or the 10th harmonic of highest fundamental frequency ◦ “F” denotes fundamental frequency; “ H” denotes spurious frequency. “E” denotes band edge frequency.
- (4) Radiated emissions measured in frequency range from 30 MHz to 1000 MHz were made with an instrument using Peak detector mode or QP detector mode of the emission ◦
- (5) 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.



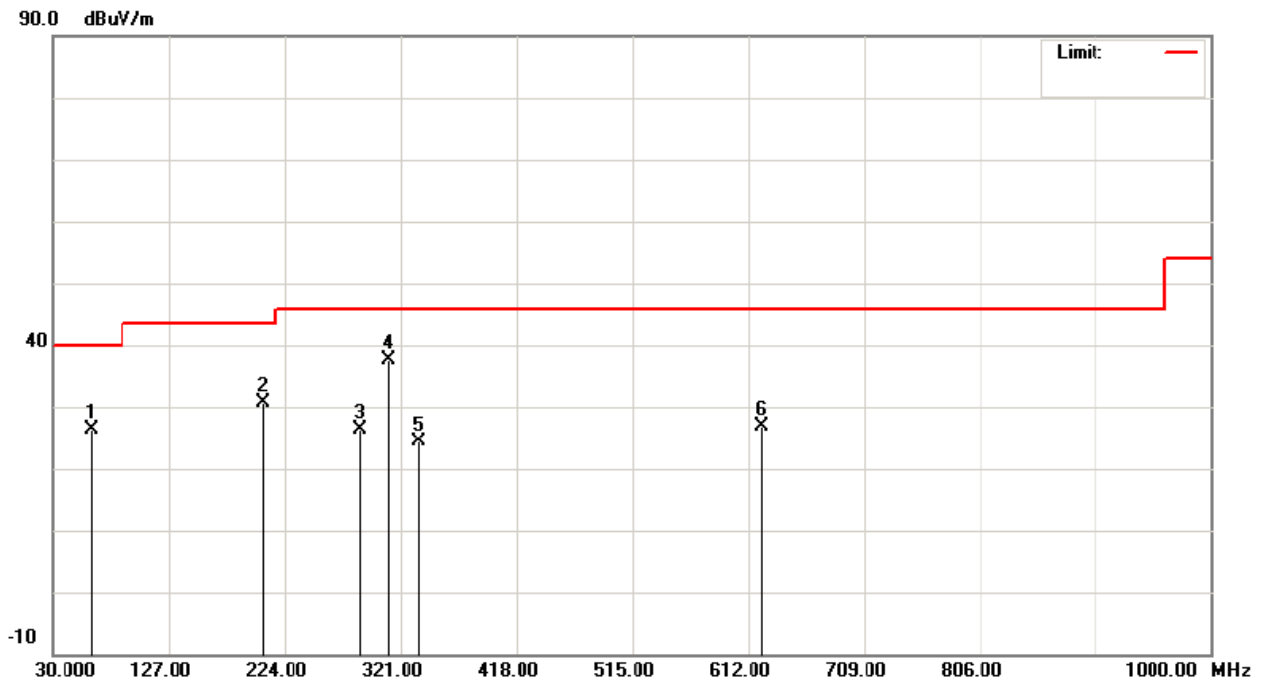


EUT :	Handheld Terminal	Model Name :	P235
Temperature :	24 °C	Relative Humidity :	51%
Test Voltage :	AC 120V/60Hz		
Test Mode :	Sample 2_802.11b_CH06 (ADAPTER : CAP011051)		

Freq. (MHz)	Ant. H/V	Reading(RA) (dBuV)	Corr.Factor(CF) (dB)	Measured(FS) (dBuV/m)	Limits(QP) (dBuV/m)	Margin (dB)	Note
62.98	H	44.42	-17.94	26.48	40.00	- 13.52	
206.54	H	49.78	-19.27	30.51	43.50	- 12.99	
288.02	H	42.52	-16.10	26.42	46.00	- 19.58	
311.30	H	53.16	-11.91	41.25	46.00	- 4.75	
336.52	H	39.24	-14.88	24.36	46.00	- 21.64	
623.64	H	35.37	-8.42	26.95	46.00	- 19.05	

Remark :

- (1) Spectrum Setting : 30MHz – 1000MHz , RBW= 100KHz, VBW=100KHz, Sweep time = 200 ms. 1GHz- 25GHz, RBW= 1MHz, VBW= 1MHz, Sweep time = Auto
- (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 or the 10th harmonic of highest fundamental frequency ◦ “F” denotes fundamental frequency; “ H” denotes spurious frequency. “E” denotes band edge frequency.
- (4) Radiated emissions measured in frequency range from 30 MHz to 1000 MHz were made with an instrument using Peak detector mode or QP detector mode of the emission ◦
- (5) 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.





4.2.8 TEST RESULTS - ABOVE 1000MHZ

EUT :	Handheld Terminal	Model Name :	P235
Temperature :	24 °C	Relative Humidity :	51%
Test Voltage :	AC 120V/60Hz		
Test Mode :	Sample 1_802.11b_CH01 (ADAPTER : CAP011051)		

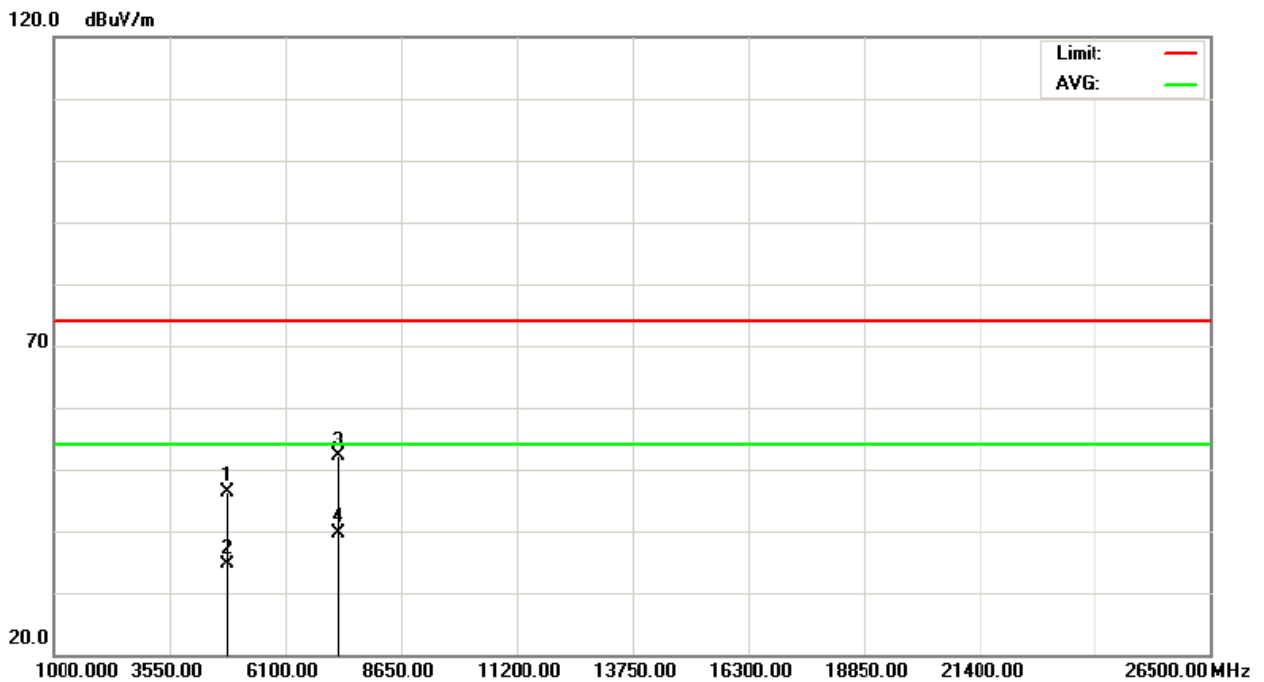
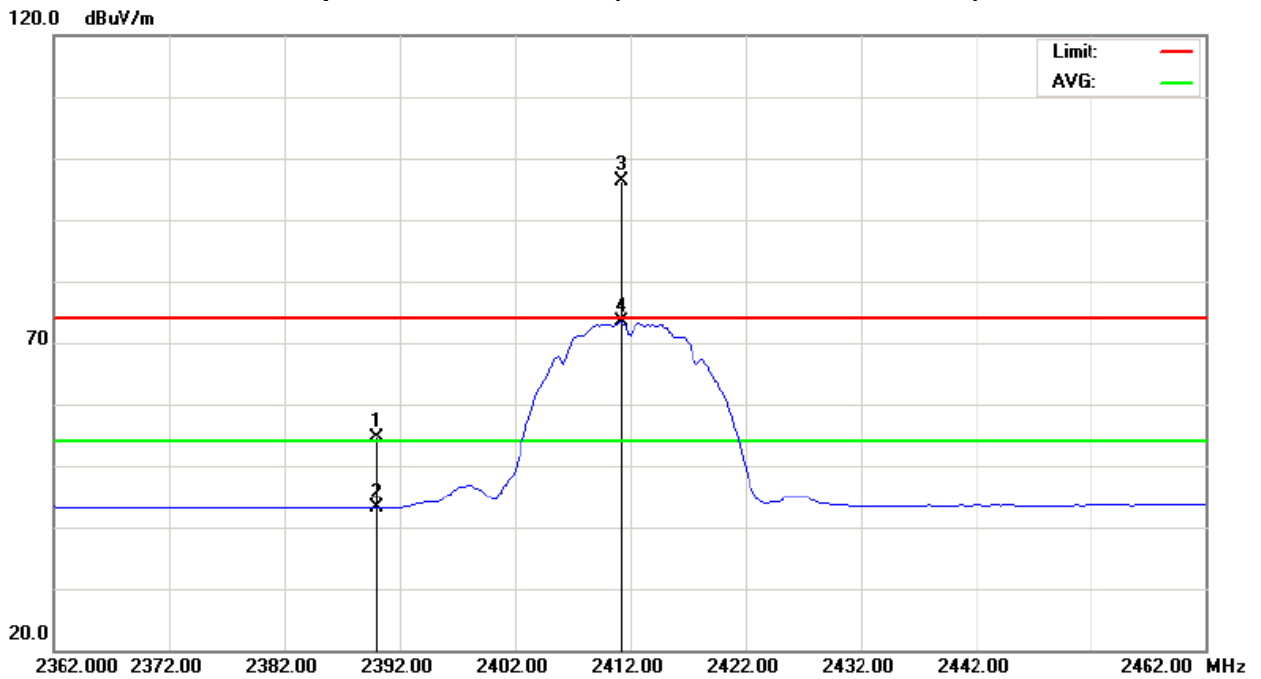
Freq. (MHz)	Ant.Pol. H/V	Reading		Ant./CF CF(dB)	Act.		Limit		Note
		Peak (dBuV)	AV (dBuV)		Peak (dBuV/m)	AV (dBuV/m)	Peak (dBuV/m)	AV (dBuV/m)	
2390.00	V	22.61	11.23	31.94	54.55	43.17	74.00	54.00	Y/E
2411.20	V	64.39	41.22	32.04	96.43	73.26			Y/F
4823.99	V	42.53	30.85	3.80	46.33	34.65	74.00	54.00	Y/H
7235.97	V	42.35	29.91	9.66	52.01	39.57	74.00	54.00	Y/H

Remark :

- (1) Spectrum Setting : 30MHz – 1000MHz , RBW= 100KHz, VBW=100KHz, Sweep time = 200 ms. 1GHz- 25GHz, RBW= 1MHz, VBW= 1MHz, Sweep time = Auto
- (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 or the 10th harmonic of highest fundamental frequency ◦ "F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)
- (4) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission ◦
- (5) 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.
- (6) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.
- (7) EUT Orthogonal Axes :
"X" - denotes Laid on Table ; "Y" - denotes Vertical Stand ; "Z" - denotes Side Stand
- (8) 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.



Orthogonal Axis : Y
Sample 1_802.11b_CH01 (Above 1000 MHz, Vertical)





EUT :	Handheld Terminal	Model Name :	P235
Temperature :	24 °C	Relative Humidity :	51%
Test Voltage :	AC 120V/60Hz		
Test Mode :	Sample 1_802.11b_CH01 (ADAPTER : CAP011051)		

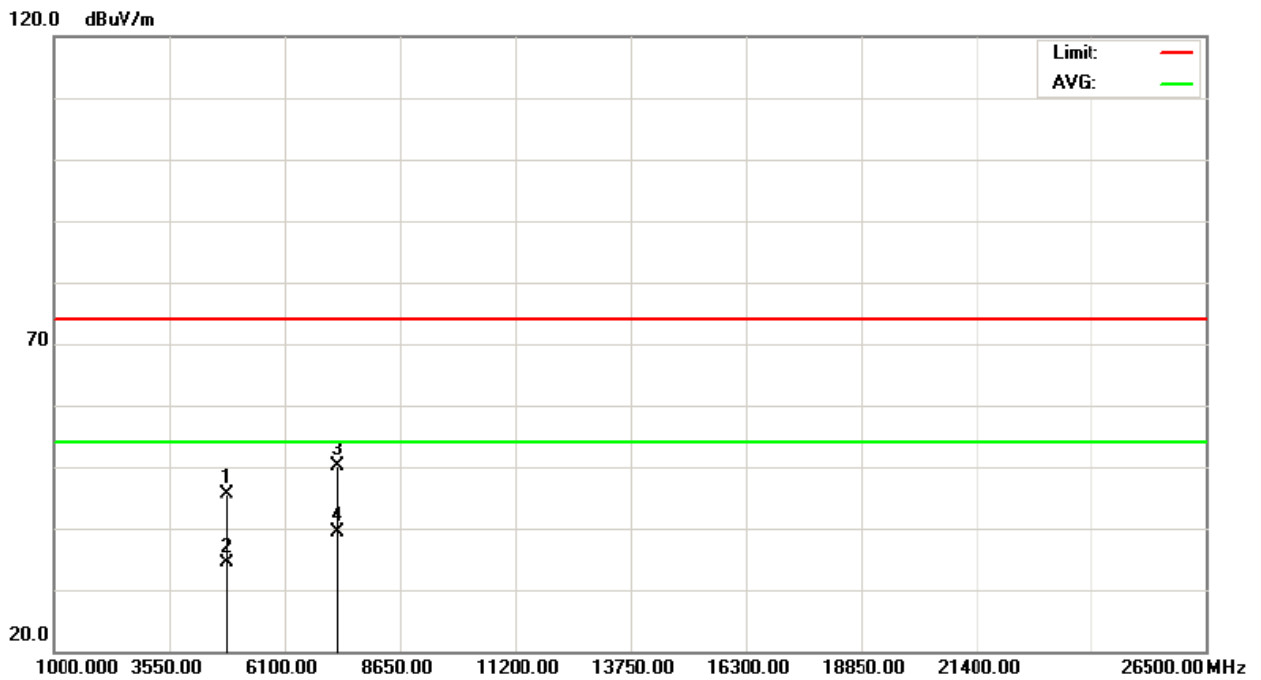
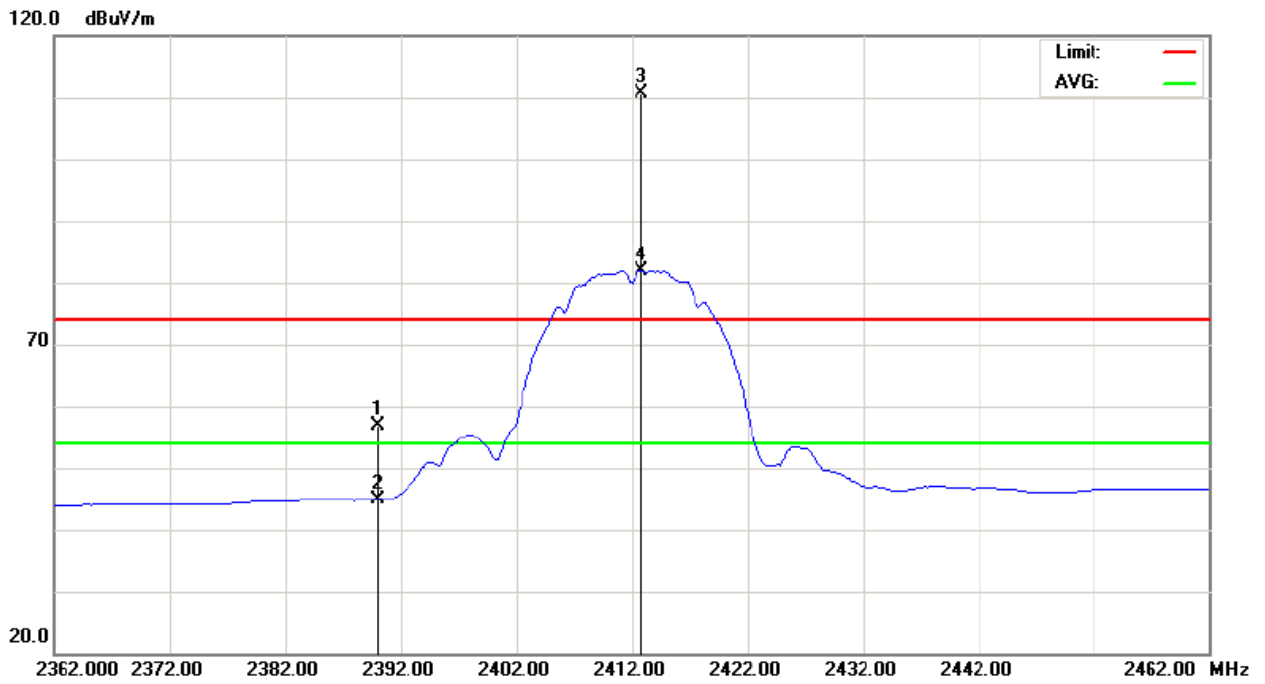
Freq. (MHz)	Ant.Pol. H/V	Reading		Ant./CF CF(dB)	Act.		Limit		Note
		Peak (dBuV)	AV (dBuV)		Peak (dBuV/m)	AV (dBuV/m)	Peak (dBuV/m)	AV (dBuV/m)	
2390.00	H	24.82	12.96	31.94	56.76	44.90	74.00	54.00	Y/E
2412.80	H	78.58	49.86	32.05	110.63	81.91			Y/F
4823.93	H	41.87	30.60	3.80	45.67	34.40	74.00	54.00	Y/H
7235.98	H	40.55	29.80	9.66	50.21	39.46	74.00	54.00	Y/H

Remark :

- (1) Spectrum Setting : 30MHz – 1000MHz , RBW= 100KHz, VBW=100KHz, Sweep time = 200 ms. 1GHz- 25GHz, RBW= 1MHz, VBW= 1MHz, Sweep time = Auto
- (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 or the 10th harmonic of highest fundamental frequency ◦“F” denotes fundamental frequency; “H” denotes spurious frequency. “E” denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)
- (4) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission ◦
- (5) 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.
- (6) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.
- (7) EUT Orthogonal Axes :
“X” - denotes Laid on Table ; “Y” - denotes Vertical Stand ; “Z” - denotes Side Stand
- (8) 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.



Orthogonal Axis : Y
Sample 1_802.11b_CH01 (Above 1000 MHz, Horizontal)





EUT :	Handheld Terminal	Model Name :	P235
Temperature :	24 °C	Relative Humidity :	51%
Test Voltage :	AC 120V/60Hz		
Test Mode :	Sample 1_802.11b_CH06 (ADAPTER : CAP011051)		

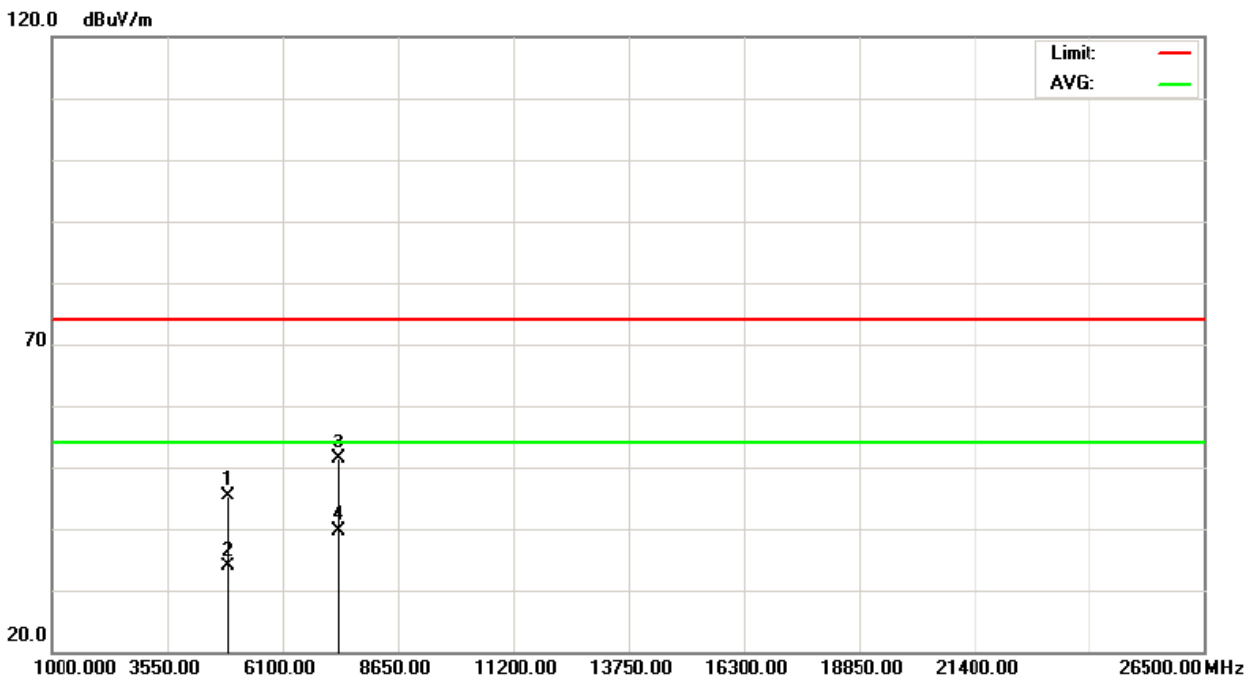
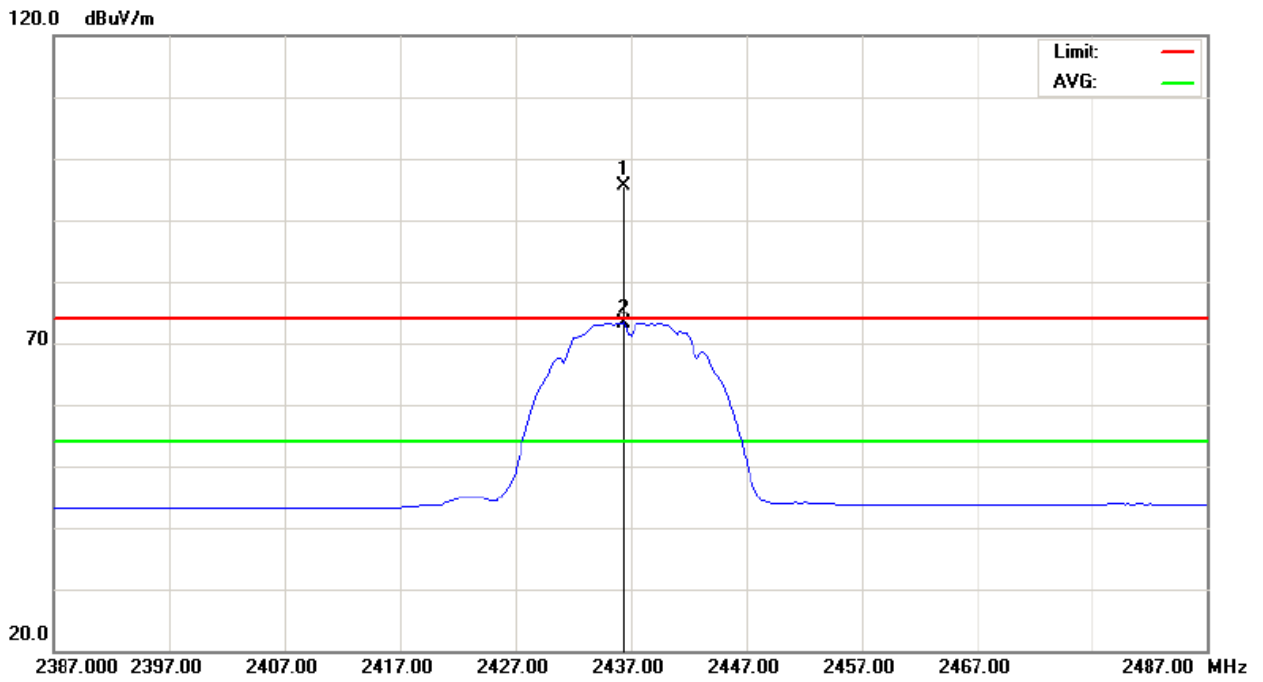
Freq. (MHz)	Ant. Pol. H/V	Reading		Ant./CF CF(dB)	Act.		Limit		Note
		Peak (dBuV)	AV (dBuV)		Peak (dBuV/m)	AV (dBuV/m)	Peak (dBuV/m)	AV (dBuV/m)	
2436.40	V	63.55	41.10	32.15	95.70	73.25			Y/F
4873.99	V	41.44	29.92	3.95	45.39	33.87	74.00	54.00	Y/H
7311.05	V	41.47	29.73	9.80	51.27	39.53	74.00	54.00	Y/H

Remark :

- (1) Spectrum Setting : 30MHz – 1000MHz , RBW= 100KHz, VBW=100KHz, Sweep time = 200 ms. 1GHz- 25GHz, RBW= 1MHz, VBW= 1MHz, Sweep time = Auto
- (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 or the 10th harmonic of highest fundamental frequency ◦ "F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)
- (4) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission ◦
- (5) 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.
- (6) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.
- (7) EUT Orthogonal Axes :
"X" - denotes Laid on Table ; "Y" - denotes Vertical Stand ; "Z" - denotes Side Stand
- (8) 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.



Orthogonal Axis : Y
Sample 1_802.11b_CH06 (Above 1000 MHz, Vertical)





EUT :	Handheld Terminal	Model Name :	P235
Temperature :	24 ° C	Relative Humidity :	51%
Test Voltage :	AC 120V/60Hz		
Test Mode :	Sample 1_802.11b_CH06 (ADAPTER : CAP011051)		

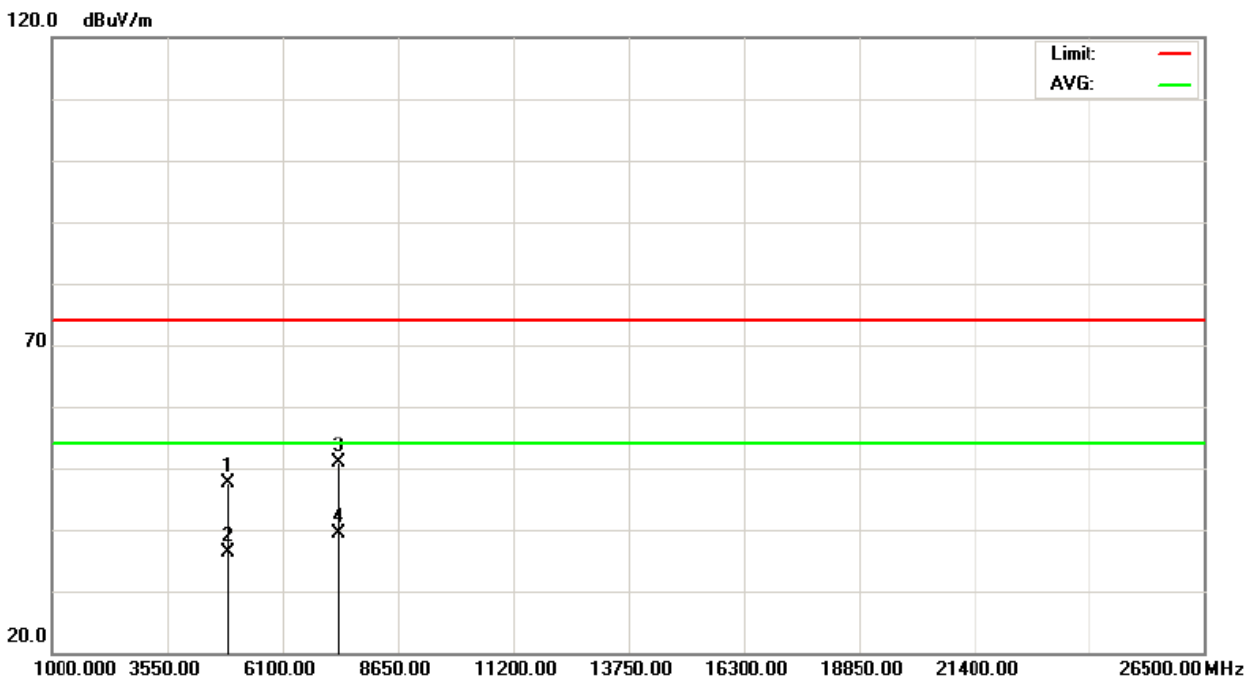
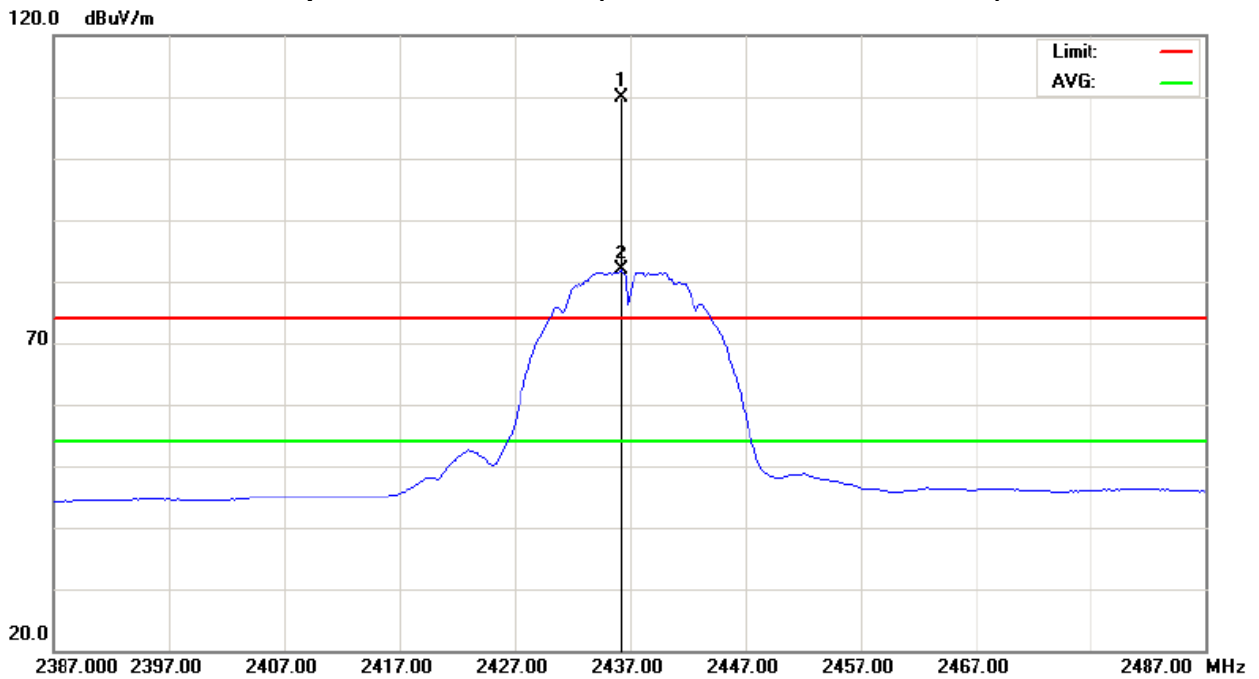
Freq. (MHz)	Ant.Pol. H/V	Reading		Ant./CF CF(dB)	Act.		Limit		Note
		Peak (dBuV)	AV (dBuV)		Peak (dBuV/m)	AV (dBuV/m)	Peak (dBuV/m)	AV (dBuV/m)	
2436.20	H	77.64	49.70	32.15	109.79	81.85			Y/F
4873.90	H	43.71	32.49	3.95	47.66	36.44	74.00	54.00	Y/H
7310.93	H	40.98	29.66	9.80	50.78	39.46	74.00	54.00	Y/H

Remark :

- (1) Spectrum Setting : 30MHz – 1000MHz , RBW= 100KHz, VBW=100KHz, Sweep time = 200 ms. 1GHz- 25GHz, RBW= 1MHz, VBW= 1MHz, Sweep time = Auto
- (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 or the 10th harmonic of highest fundamental frequency ◦ “F” denotes fundamental frequency; “H” denotes spurious frequency. “E” denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)
- (4) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission ◦
- (5) 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.
- (6) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.
- (7) EUT Orthogonal Axes :
“X” - denotes Laid on Table ; “Y” - denotes Vertical Stand ; “Z” - denotes Side Stand
- (8) 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.



Orthogonal Axis : Y
Sample 1_802.11b_CH06 (Above 1000 MHz, Horizontal)





EUT :	Handheld Terminal	Model Name :	P235
Temperature :	24 ° C	Relative Humidity :	51%
Test Voltage :	AC 120V/60Hz		
Test Mode :	Sample 1_802.11b_CH11 (ADAPTER : CAP011051)		

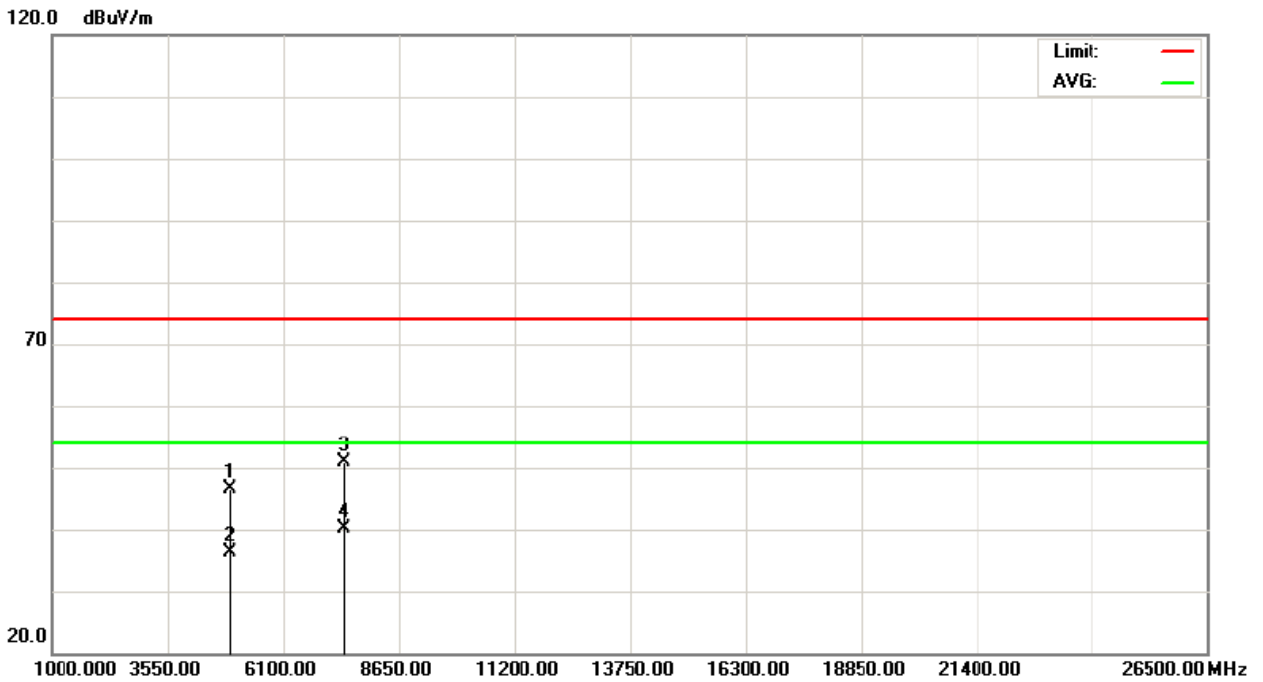
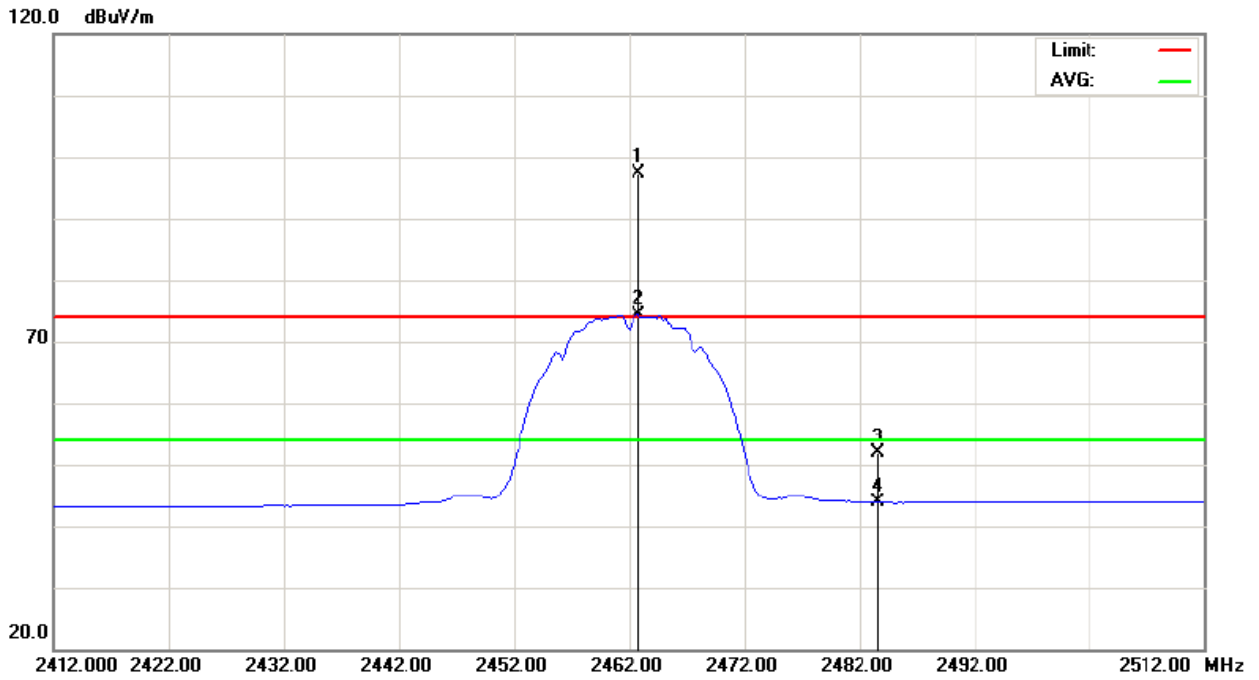
Freq. (MHz)	Ant.Pol. H/V	Reading		Ant./CF CF(dB)	Act.		Limit		Note
		Peak (dBuV)	AV (dBuV)		Peak (dBuV/m)	AV (dBuV/m)	Peak (dBuV/m)	AV (dBuV/m)	
2462.80	V	65.16	42.03	32.28	97.44	74.31			Y/F
2483.50	V	19.51	11.45	32.37	51.88	43.82	74.00	54.00	Y/E
4924.12	V	42.60	32.38	4.11	46.71	36.49	74.00	54.00	Y/H
7386.14	V	40.93	30.24	9.94	50.87	40.18	74.00	54.00	Y/H

Remark :

- (1) Spectrum Setting : 30MHz – 1000MHz , RBW= 100KHz, VBW=100KHz, Sweep time = 200 ms. 1GHz- 25GHz, RBW= 1MHz, VBW= 1MHz, Sweep time = Auto
- (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 or the 10th harmonic of highest fundamental frequency ◦ "F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)
- (4) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission ◦
- (5) 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.
- (6) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.
- (7) EUT Orthogonal Axes :
"X" - denotes Laid on Table ; "Y" - denotes Vertical Stand ; "Z" - denotes Side Stand
- (8) 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.



Orthogonal Axis : Y
Sample 1_802.11b_CH11 (Above 1000 MHz, Vertical)





EUT :	Handheld Terminal	Model Name :	P235
Temperature :	24 ° C	Relative Humidity :	51%
Test Voltage :	AC 120V/60Hz		
Test Mode :	Sample 1_802.11b_CH11 (ADAPTER : CAP011051)		

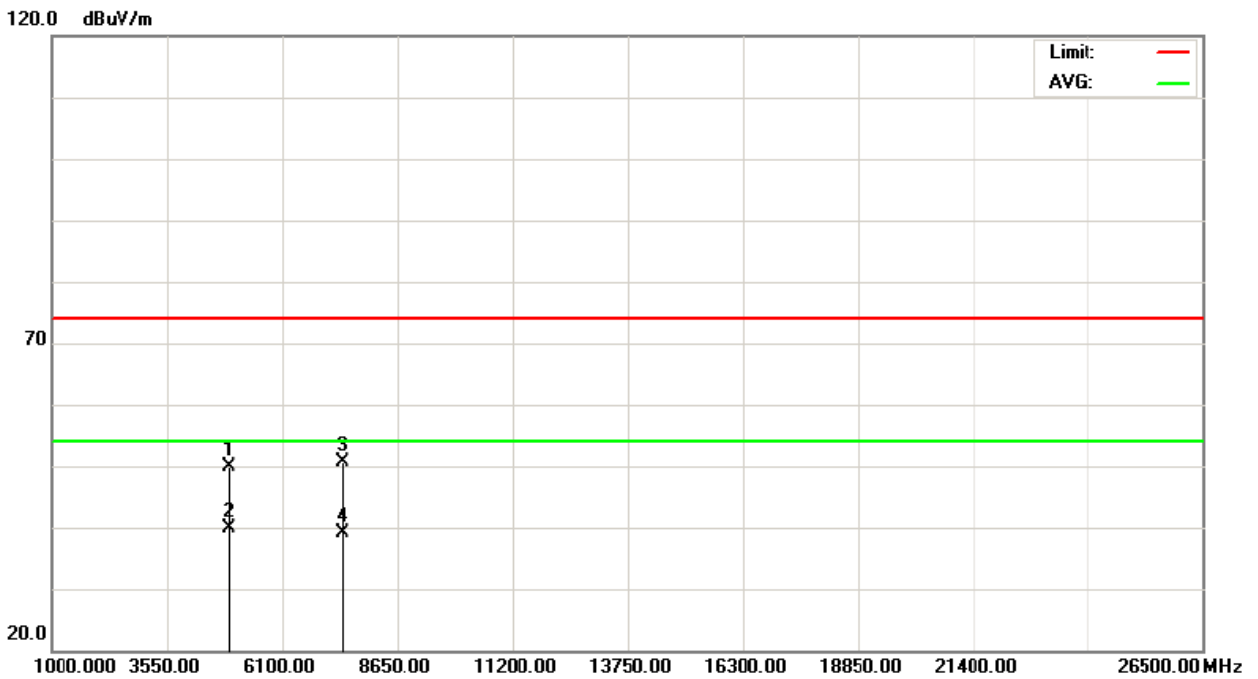
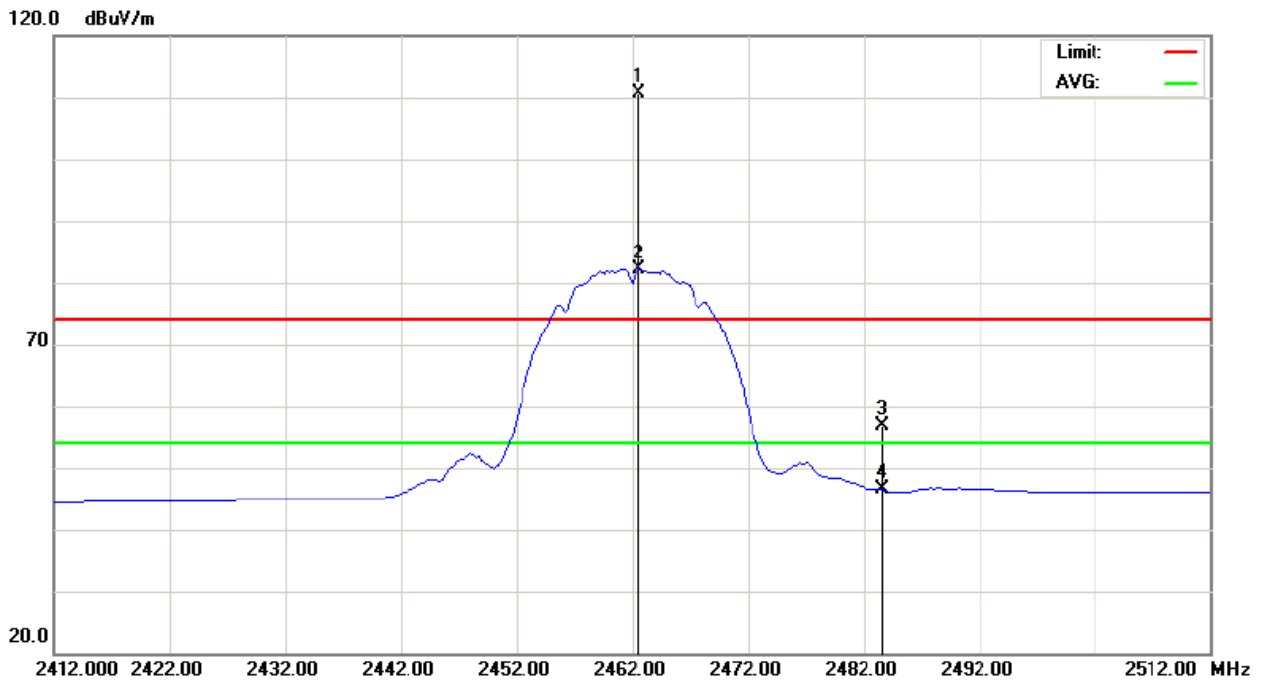
Freq. (MHz)	Ant.Pol. H/V	Reading		Ant./CF CF(dB)	Act.		Limit		Note
		Peak (dBuV)	AV (dBuV)		Peak (dBuV/m)	AV (dBuV/m)	Peak (dBuV/m)	AV (dBuV/m)	
2462.60	H	78.47	49.97	32.28	110.75	82.25			Y/F
2483.50	H	24.63	14.17	32.37	57.00	46.54	74.00	54.00	Y/E
4923.84	H	45.76	35.79	4.11	49.87	39.90	74.00	54.00	Y/H
7386.10	H	40.65	29.19	9.94	50.59	39.13	74.00	54.00	Y/H

Remark :

- (1) Spectrum Setting : 30MHz – 1000MHz , RBW= 100KHz, VBW=100KHz, Sweep time = 200 ms. 1GHz- 25GHz, RBW= 1MHz, VBW= 1MHz, Sweep time = Auto
- (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 or the 10th harmonic of highest fundamental frequency ◦“F” denotes fundamental frequency; “H” denotes spurious frequency. “E” denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)
- (4) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission ◦
- (5) 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.
- (6) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.
- (7) EUT Orthogonal Axes :
“X” - denotes Laid on Table ; “Y” - denotes Vertical Stand ; “Z” - denotes Side Stand
- (8) 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.



Orthogonal Axis : Y
Sample 1_802.11b_CH11 (Above 1000 MHz, Horizontal)





EUT :	Handheld Terminal	Model Name :	P235
Temperature :	24 °C	Relative Humidity :	51%
Test Voltage :	AC 120V/60Hz		
Test Mode :	Sample 1_802.11g_CH01 (ADAPTER : CAP011051)		

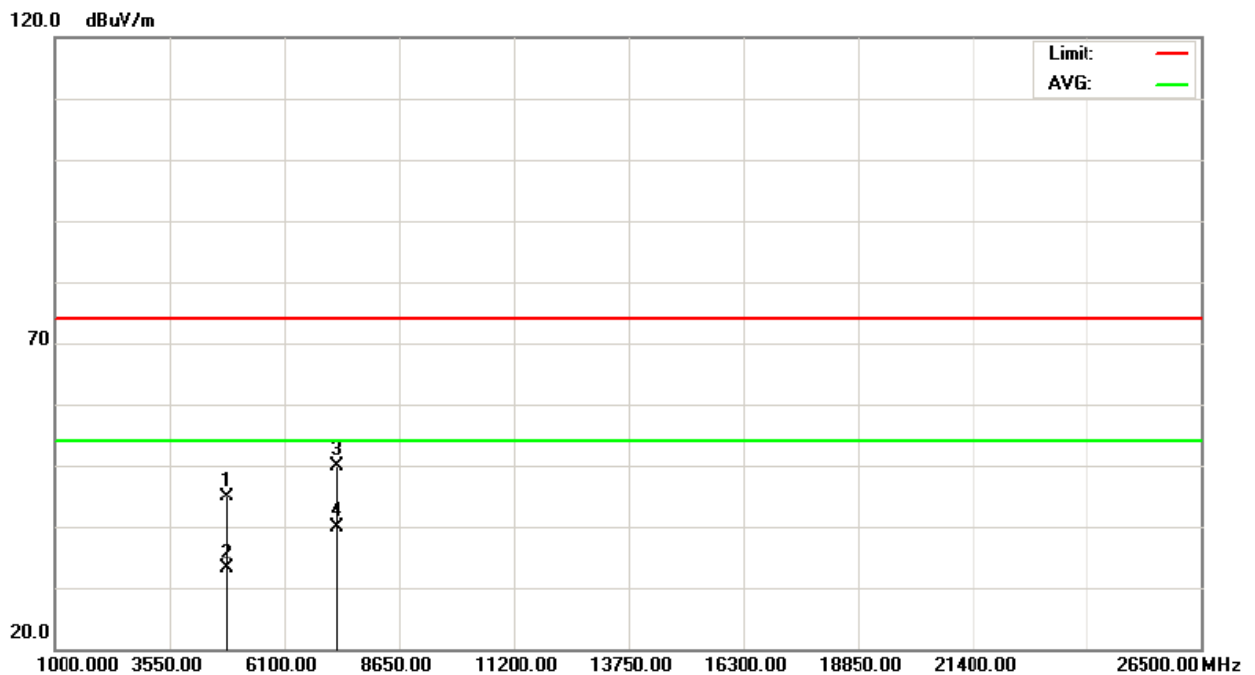
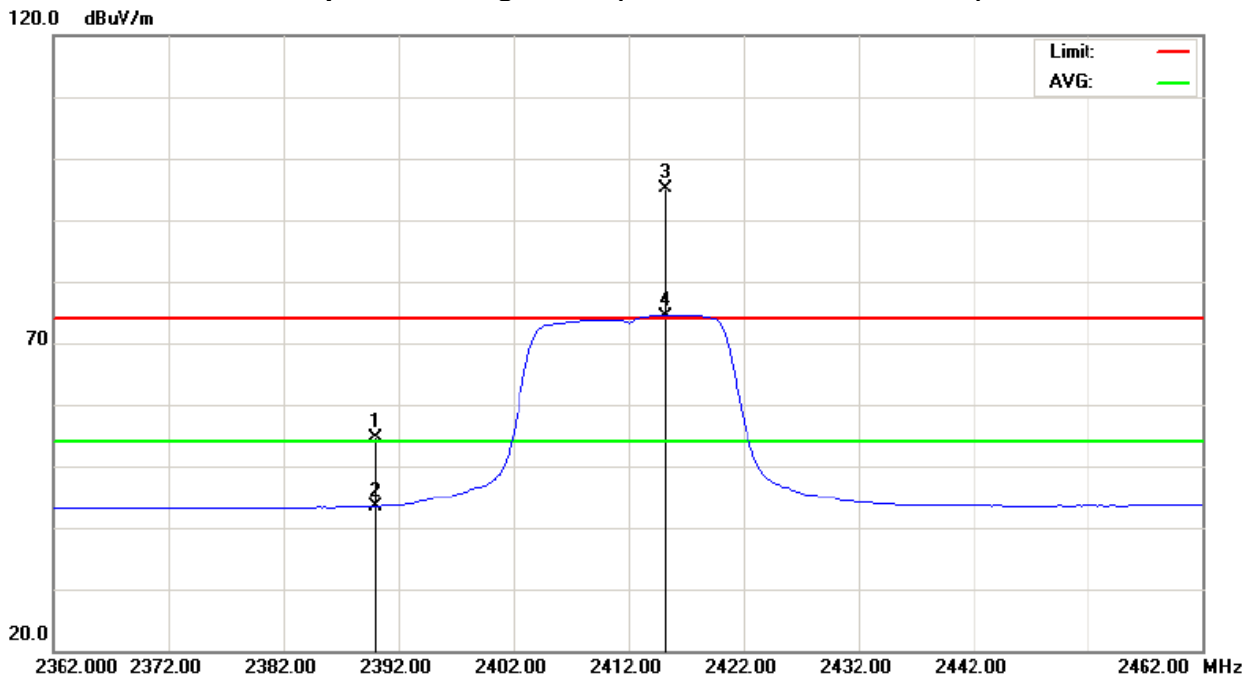
Freq. (MHz)	Ant. Pol. H/V	Reading		Ant./CF CF(dB)	Act.		Limit		Note
		Peak (dBuV)	AV (dBuV)		Peak (dBuV/m)	AV (dBuV/m)	Peak (dBuV/m)	AV (dBuV/m)	
2390.00	V	22.78	11.51	31.94	54.72	43.45	74.00	54.00	Y/E
2415.20	V	63.18	42.36	32.06	95.24	74.42			Y/F
4823.96	V	41.00	29.28	3.80	44.80	33.08	74.00	54.00	Y/H
7236.14	V	40.32	30.16	9.66	49.98	39.82	74.00	54.00	Y/H

Remark :

- (1) Spectrum Setting : 30MHz – 1000MHz , RBW= 100KHz, VBW=100KHz, Sweep time = 200 ms. 1GHz- 25GHz, RBW= 1MHz, VBW= 1MHz, Sweep time = Auto
- (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 or the 10th harmonic of highest fundamental frequency ◦ "F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)
- (4) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission ◦
- (5) 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.
- (6) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.
- (7) EUT Orthogonal Axes :
"X" - denotes Laid on Table ; "Y" - denotes Vertical Stand ; "Z" - denotes Side Stand
- (8) 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.



Orthogonal Axis : Y
Sample 1_802.11g_CH01 (Above 1000 MHz, Vertical)





EUT :	Handheld Terminal	Model Name :	P235
Temperature :	24 °C	Relative Humidity :	51%
Test Voltage :	AC 120V/60Hz		
Test Mode :	Sample 1_802.11g_CH01 (ADAPTER : CAP011051)		

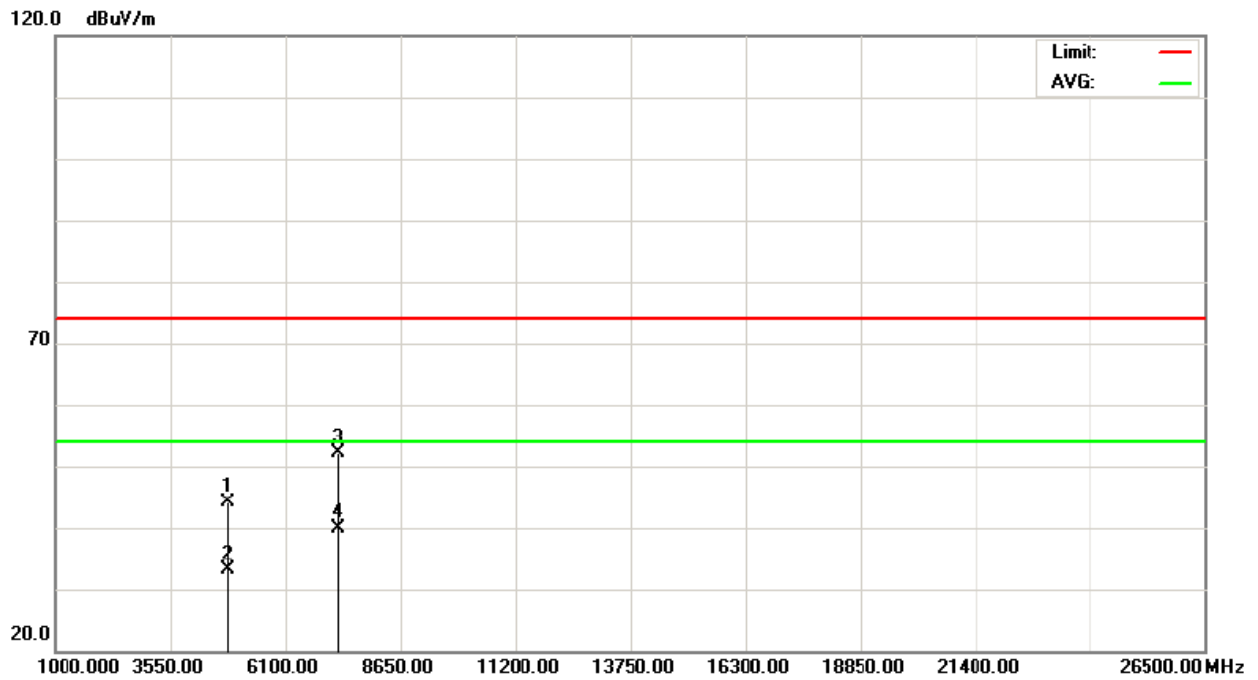
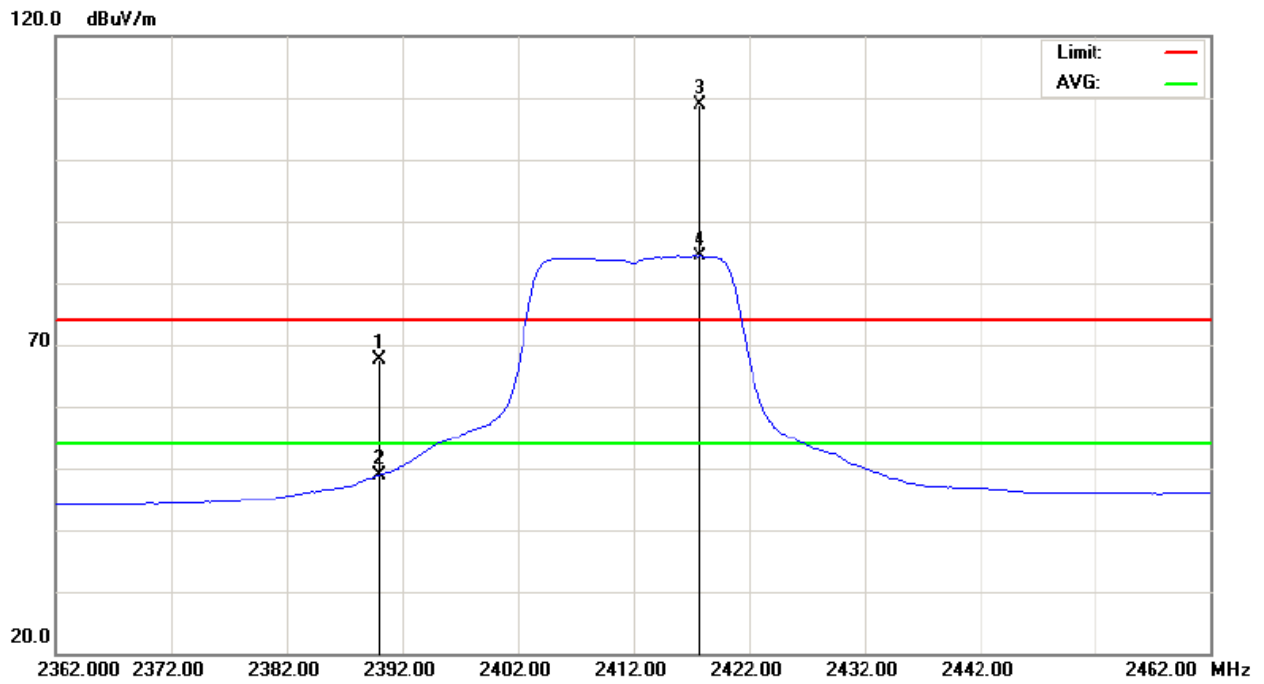
Freq. (MHz)	Ant.Pol. H/V	Reading		Ant./CF CF(dB)	Act.		Limit		Note
		Peak (dBuV)	AV (dBuV)		Peak (dBuV/m)	AV (dBuV/m)	Peak (dBuV/m)	AV (dBuV/m)	
2390.00	H	35.63	16.92	31.94	67.57	48.86	74.00	54.00	Y/E
2417.80	H	76.76	52.24	32.07	108.83	84.31			Y/F
4824.08	H	40.39	29.38	3.80	44.19	33.18	74.00	54.00	Y/H
7235.94	H	42.58	30.10	9.66	52.24	39.76	74.00	54.00	Y/H

Remark :

- (1) Spectrum Setting : 30MHz – 1000MHz , RBW= 100KHz, VBW=100KHz, Sweep time = 200 ms. 1GHz- 25GHz, RBW= 1MHz, VBW= 1MHz, Sweep time = Auto
- (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 or the 10th harmonic of highest fundamental frequency ◦“F” denotes fundamental frequency; “H” denotes spurious frequency. “E” denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)
- (4) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission ◦
- (5) 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.
- (6) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.
- (7) EUT Orthogonal Axes :
“X” - denotes Laid on Table ; “Y” - denotes Vertical Stand ; “Z” - denotes Side Stand
- (8) 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.



Orthogonal Axis : Y
Sample 1_802.11g_CH01 (Above 1000 MHz, Horizontal)





EUT :	Handheld Terminal	Model Name :	P235
Temperature :	24 °C	Relative Humidity :	51%
Test Voltage :	AC 120V/60Hz		
Test Mode :	Sample 1_802.11g_CH06 (ADAPTER : CAP011051)		

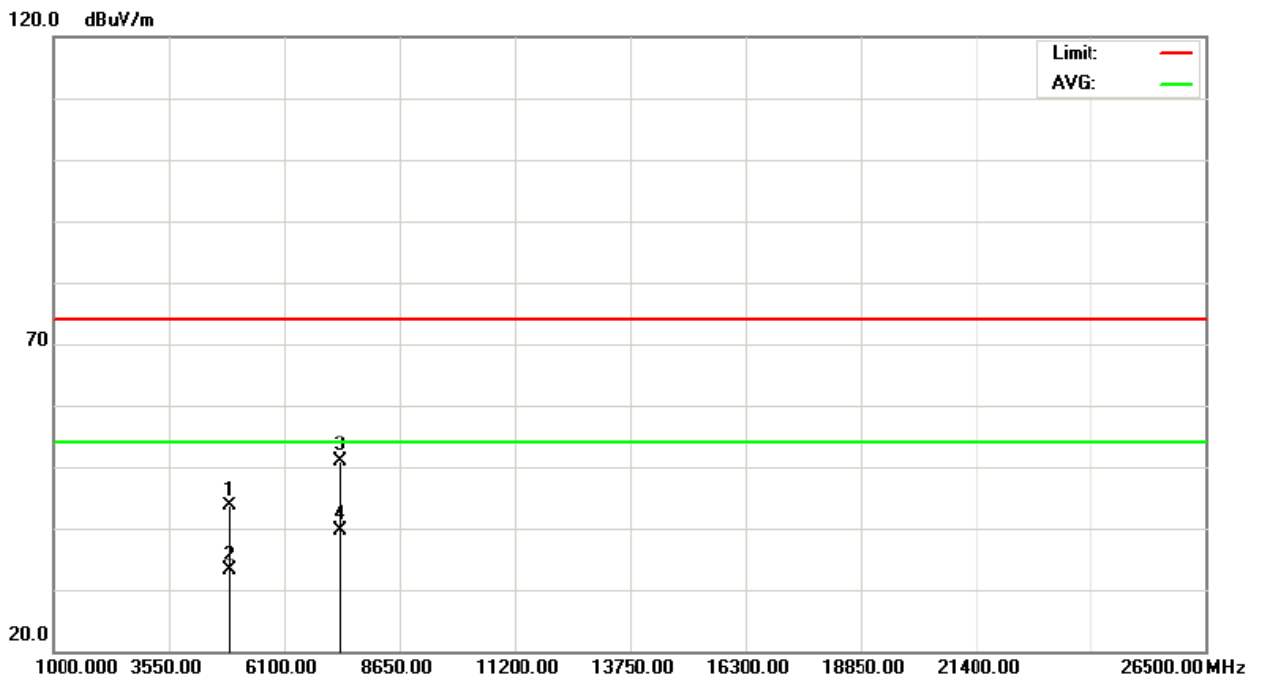
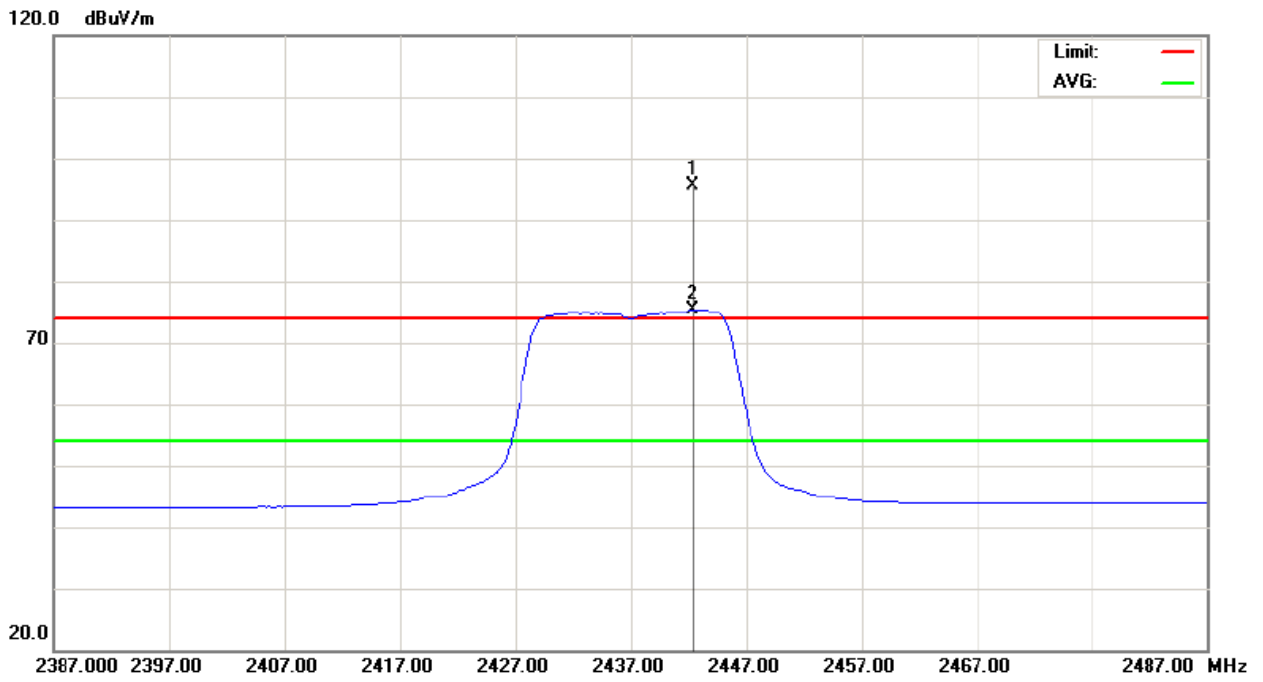
Freq. (MHz)	Ant.Pol. H/V	Reading		Ant./CF CF(dB)	Act.		Limit		Note
		Peak (dBuV)	AV (dBuV)		Peak (dBuV/m)	AV (dBuV/m)	Peak (dBuV/m)	AV (dBuV/m)	
2442.40	V	63.48	43.17	32.18	95.66	75.35			Y/F
4873.80	V	39.73	29.18	3.95	43.68	33.13	74.00	54.00	Y/H
7310.78	V	41.01	29.80	9.80	50.81	39.60	74.00	54.00	Y/H

Remark :

- (1) Spectrum Setting : 30MHz – 1000MHz , RBW= 100KHz, VBW=100KHz, Sweep time = 200 ms. 1GHz- 25GHz, RBW= 1MHz, VBW= 1MHz, Sweep time = Auto
- (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 or the 10th harmonic of highest fundamental frequency ◦ "F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)
- (4) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission ◦
- (5) 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.
- (6) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.
- (7) EUT Orthogonal Axes :
"X" - denotes Laid on Table ; "Y" - denotes Vertical Stand ; "Z" - denotes Side Stand
- (8) 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.



Orthogonal Axis : Y
Sample 1_802.11g_CH06 (Above 1000 MHz, Vertical)





EUT :	Handheld Terminal	Model Name :	P235
Temperature :	24 °C	Relative Humidity :	51%
Test Voltage :	AC 120V/60Hz		
Test Mode :	Sample 1_802.11g_CH06 (ADAPTER : CAP011051)		

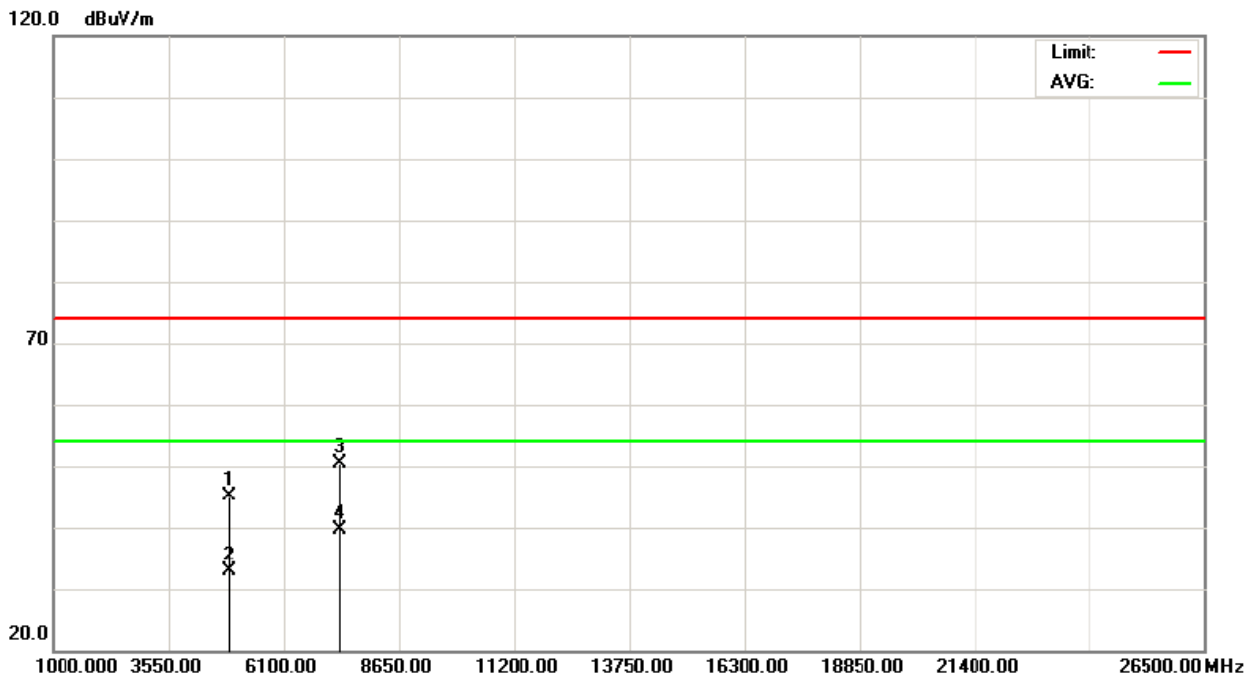
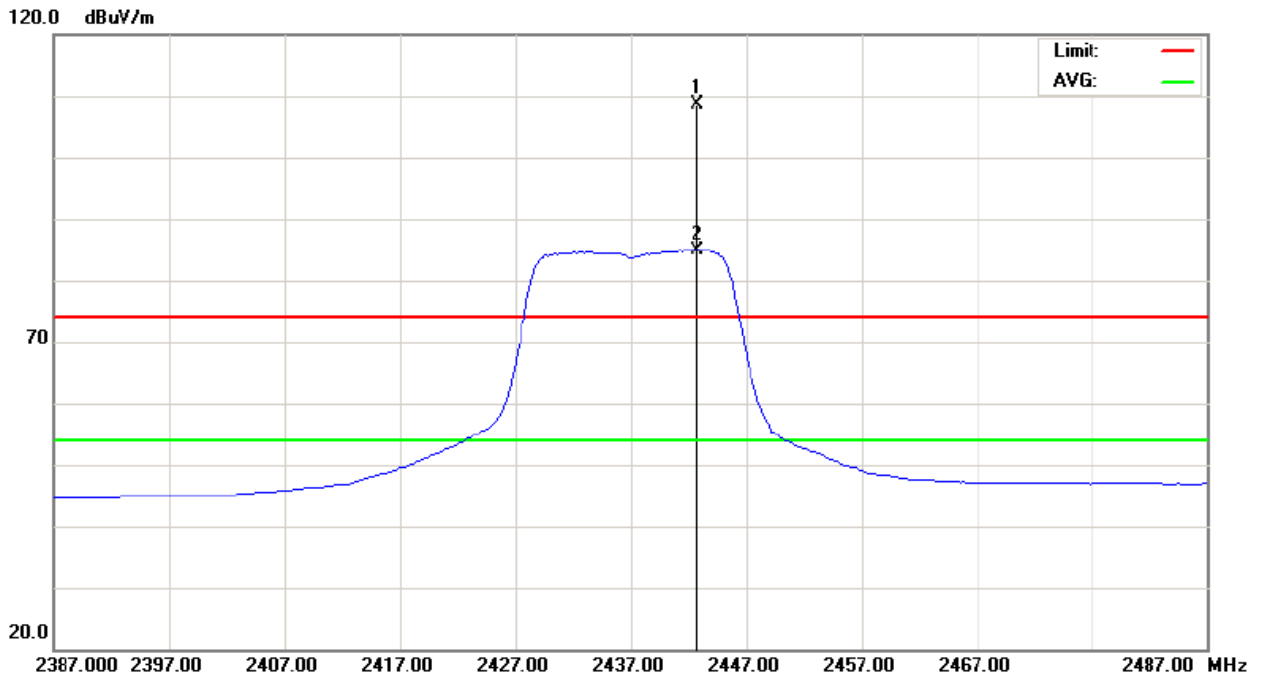
Freq. (MHz)	Ant.Pol. H/V	Reading		Ant./CF CF(dB)	Act.		Limit		Note
		Peak (dBuV)	AV (dBuV)		Peak (dBuV/m)	AV (dBuV/m)	Peak (dBuV/m)	AV (dBuV/m)	
2442.80	H	76.55	52.77	32.18	108.73	84.95			Y/F
4873.80	H	41.08	29.02	3.95	45.03	32.97	74.00	54.00	Y/H
7310.84	H	40.53	29.72	9.80	50.33	39.52	74.00	54.00	Y/H

Remark :

- (1) Spectrum Setting : 30MHz – 1000MHz , RBW= 100KHz, VBW=100KHz, Sweep time = 200 ms. 1GHz- 25GHz, RBW= 1MHz, VBW= 1MHz, Sweep time = Auto
- (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 or the 10th harmonic of highest fundamental frequency ◦“F” denotes fundamental frequency; “H” denotes spurious frequency. “E” denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)
- (4) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission ◦
- (5) 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.
- (6) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.
- (7) EUT Orthogonal Axes :
“X” - denotes Laid on Table ; “Y” - denotes Vertical Stand ; “Z” - denotes Side Stand
- (8) 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.



Orthogonal Axis : Y
Sample 1_802.11g_CH06 (Above 1000 MHz, Horizontal)





EUT :	Handheld Terminal	Model Name :	P235
Temperature :	24 °C	Relative Humidity :	51%
Test Voltage :	AC 120V/60Hz		
Test Mode :	Sample 1_802.11g_CH11 (ADAPTER : CAP011051)		

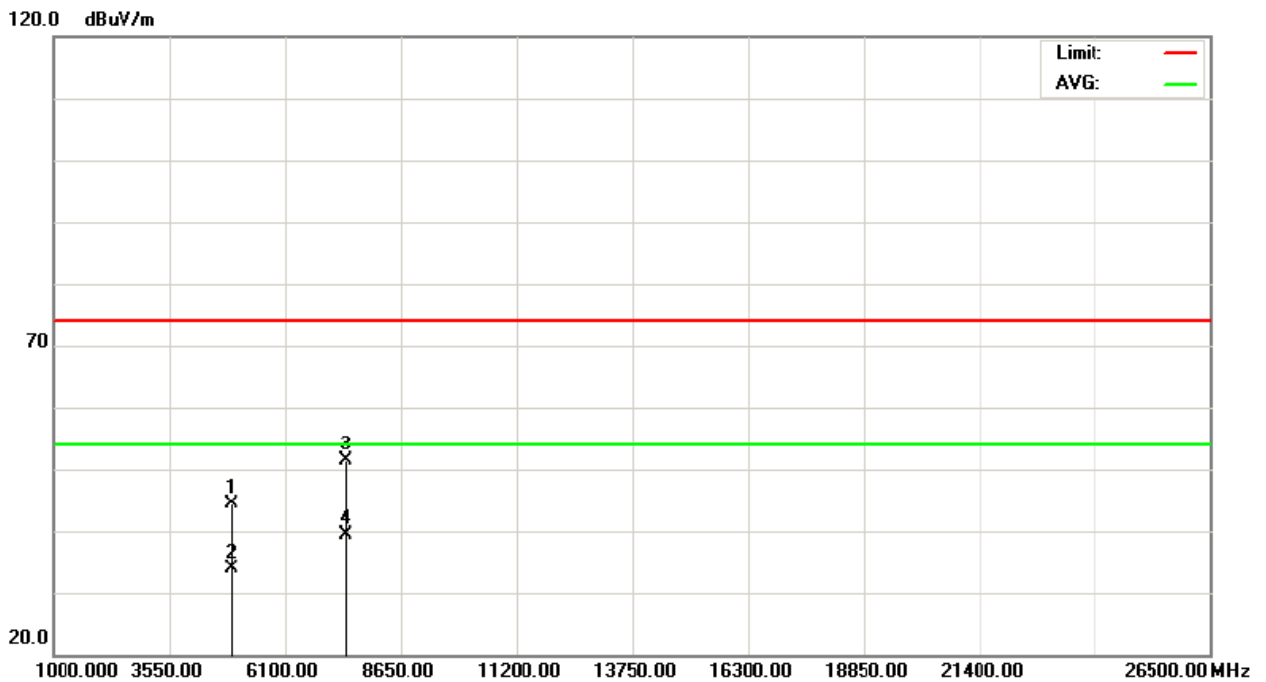
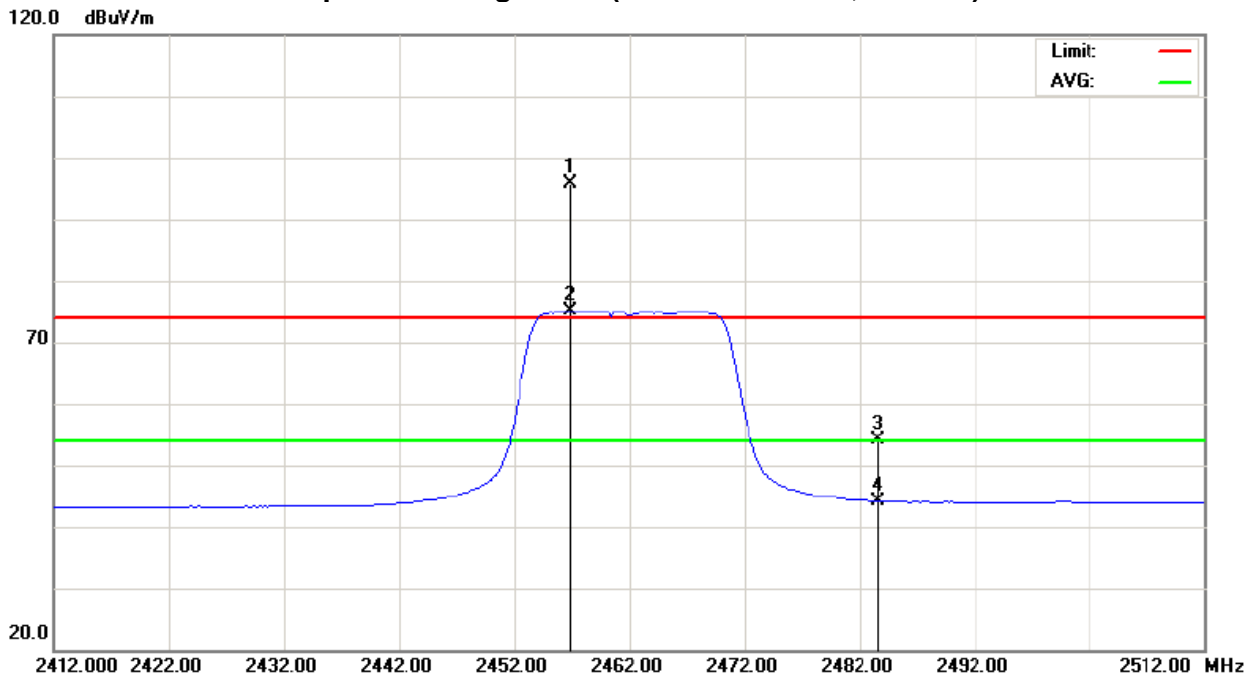
Freq. (MHz)	Ant.Pol. H/V	Reading		Ant./CF CF(dB)	Act.		Limit		Note
		Peak (dBuV)	AV (dBuV)		Peak (dBuV/m)	AV (dBuV/m)	Peak (dBuV/m)	AV (dBuV/m)	
2456.80	V	63.60	42.77	32.25	95.85	75.02			Y/F
2483.50	V	21.78	11.75	32.37	54.15	44.12	74.00	54.00	Y/E
4924.18	V	40.24	29.74	4.11	44.35	33.85	74.00	54.00	Y/H
7386.28	V	41.49	29.45	9.94	51.43	39.39	74.00	54.00	Y/H

Remark :

- (1) Spectrum Setting : 30MHz – 1000MHz , RBW= 100KHz, VBW=100KHz, Sweep time = 200 ms. 1GHz- 25GHz, RBW= 1MHz, VBW= 1MHz, Sweep time = Auto
- (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 or the 10th harmonic of highest fundamental frequency ◦ “F” denotes fundamental frequency; “H” denotes spurious frequency. “E” denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)
- (4) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission ◦
- (5) 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.
- (6) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.
- (7) EUT Orthogonal Axes :
“X” - denotes Laid on Table ; “Y” - denotes Vertical Stand ; “Z” - denotes Side Stand
- (8) 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.



Orthogonal Axis : Y
Sample 1_802.11g_CH11 (Above 1000 MHz, Vertical)





EUT :	Handheld Terminal	Model Name :	P235
Temperature :	24 ° C	Relative Humidity :	51%
Test Voltage :	AC 120V/60Hz		
Test Mode :	Sample 1_802.11g_CH11 (ADAPTER : CAP011051)		

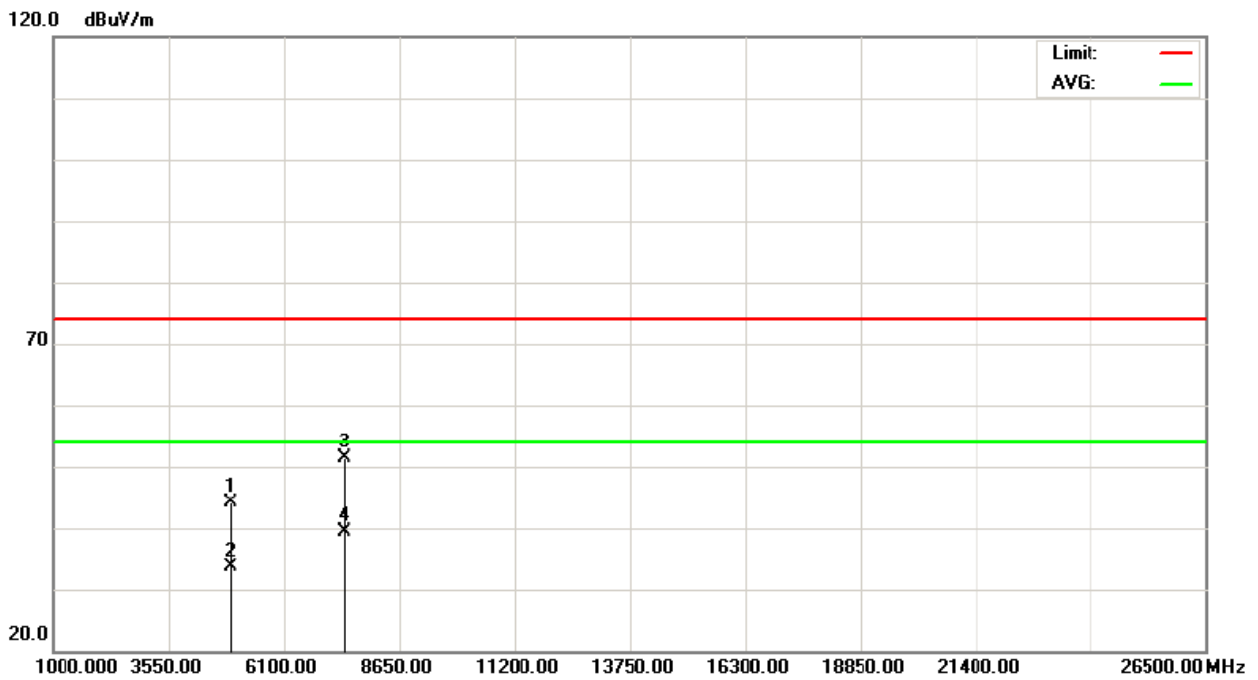
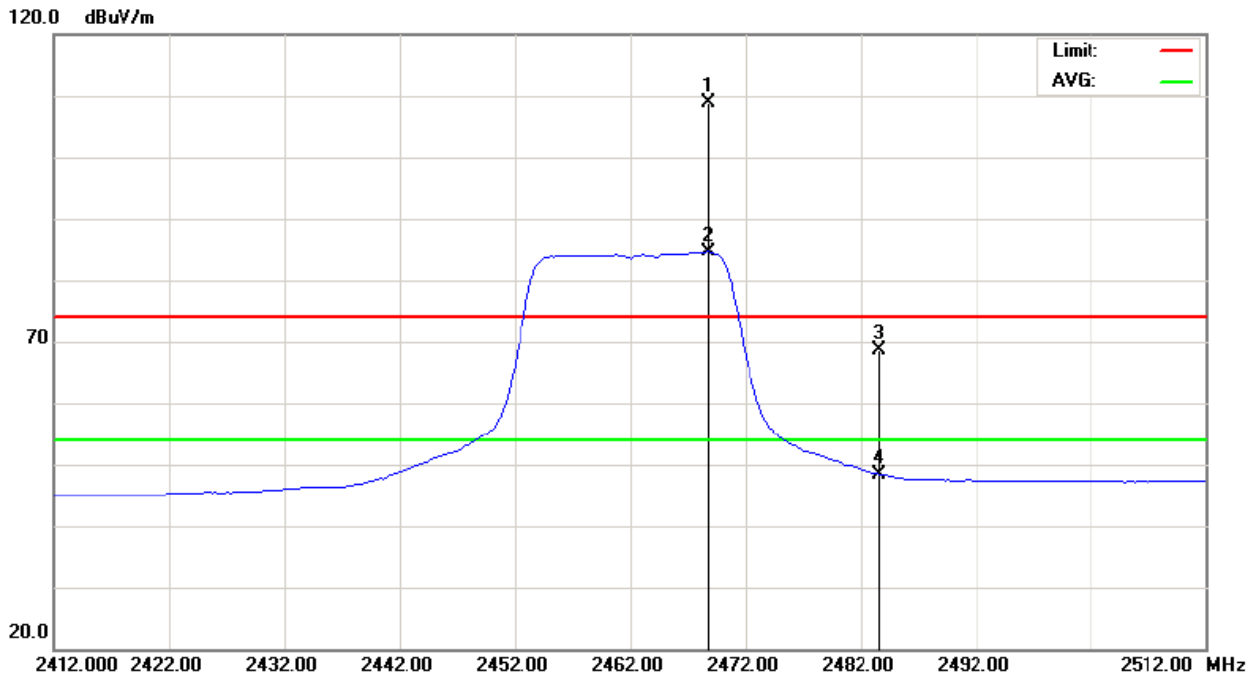
Freq. (MHz)	Ant.Pol. H/V	Reading		Ant./CF CF(dB)	Act.		Limit		Note
		Peak (dBuV)	AV (dBuV)		Peak (dBuV/m)	AV (dBuV/m)	Peak (dBuV/m)	AV (dBuV/m)	
2468.80	H	76.57	52.20	32.31	108.88	84.51			Y/F
2483.50	H	36.36	16.10	32.37	68.73	48.47	74.00	54.00	Y/E
4923.90	H	40.02	29.52	4.11	44.13	33.63	74.00	54.00	Y/H
7385.86	H	41.49	29.37	9.94	51.43	39.31	74.00	54.00	Y/H

Remark :

- (1) Spectrum Setting : 30MHz – 1000MHz , RBW= 100KHz, VBW=100KHz, Sweep time = 200 ms. 1GHz- 25GHz, RBW= 1MHz, VBW= 1MHz, Sweep time = Auto
- (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 or the 10th harmonic of highest fundamental frequency ◦“F” denotes fundamental frequency; “H” denotes spurious frequency. “E” denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)
- (4) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission ◦
- (5) 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.
- (6) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.
- (7) EUT Orthogonal Axes :
“X” - denotes Laid on Table ; “Y” - denotes Vertical Stand ; “Z” - denotes Side Stand
- (8) 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.



Orthogonal Axis : Y
Sample 1_802.11g_CH11 (Above 1000 MHz, Horizontal)





EUT :	Handheld Terminal	Model Name :	P235
Temperature :	24 ° C	Relative Humidity :	51%
Test Voltage :	AC 120V/60Hz		
Test Mode :	Sample 2_802.11b_CH01 (ADAPTER : CAP011051)		

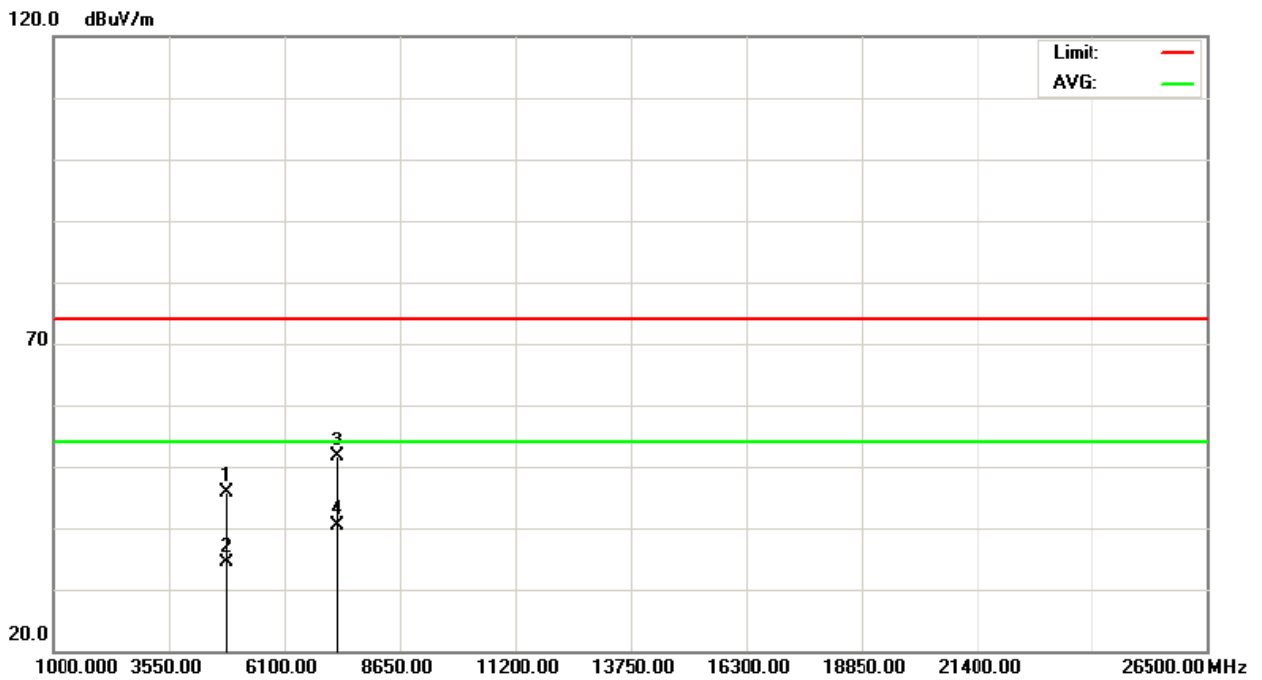
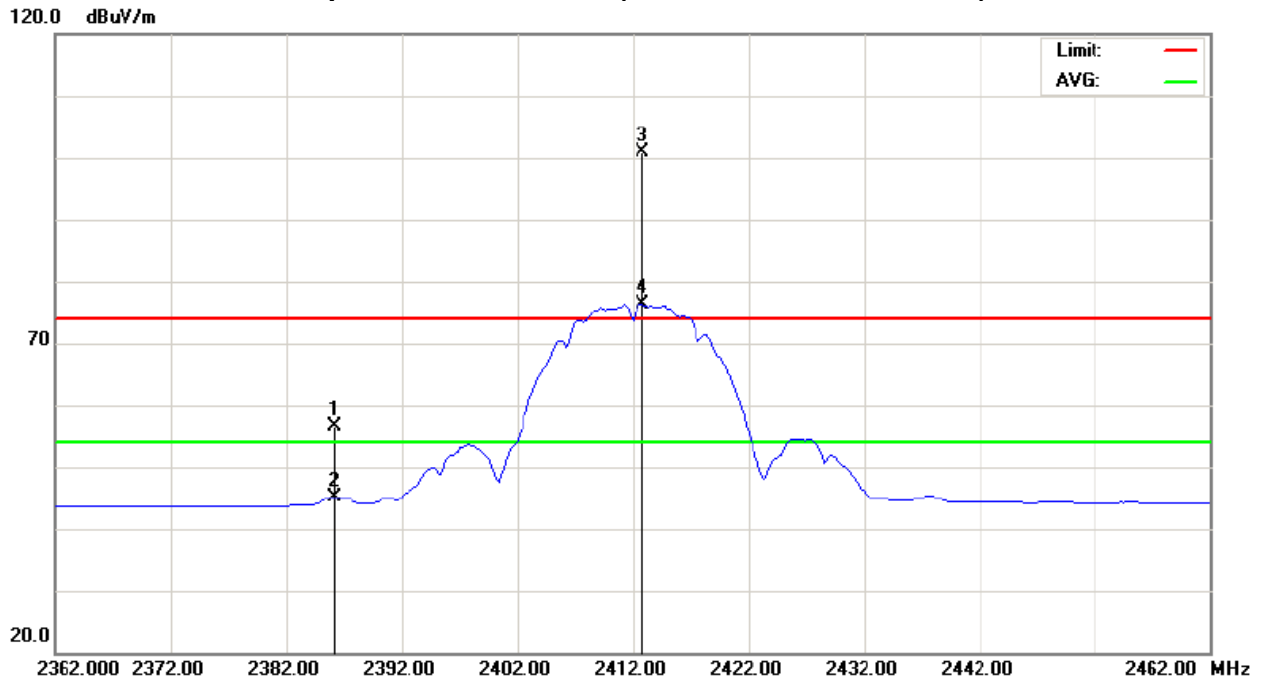
Freq. (MHz)	Ant.Pol. H/V	Reading		Ant./CF CF(dB)	Act.		Limit		Note
		Peak (dBuV)	AV (dBuV)		Peak (dBuV/m)	AV (dBuV/m)	Peak (dBuV/m)	AV (dBuV/m)	
2386.20	V	24.74	13.25	31.92	56.66	45.17	74.00	54.00	Y/E
2412.80	V	68.77	44.37	32.05	100.82	76.42			Y/F
4823.93	V	42.00	30.62	3.80	45.80	34.42	74.00	54.00	Y/H
7235.97	V	42.07	30.60	9.66	51.73	40.26	74.00	54.00	Y/H

Remark :

- (1) Spectrum Setting : 30MHz – 1000MHz , RBW= 100KHz, VBW=100KHz, Sweep time = 200 ms. 1GHz- 25GHz, RBW= 1MHz, VBW= 1MHz, Sweep time = Auto
- (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 or the 10th harmonic of highest fundamental frequency ◦ “F” denotes fundamental frequency; “H” denotes spurious frequency. “E” denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)
- (4) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission ◦
- (5) 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.
- (6) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.
- (7) EUT Orthogonal Axes :
“X” - denotes Laid on Table ; ”Y” - denotes Vertical Stand ; ”Z” - denotes Side Stand
- (8) 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.



Orthogonal Axis : Y
Sample 2_802.11b_CH01 (Above 1000 MHz, Vertical)





EUT :	Handheld Terminal	Model Name :	P235
Temperature :	24 ° C	Relative Humidity :	51%
Test Voltage :	AC 120V/60Hz		
Test Mode :	Sample 2_802.11b_CH01 (ADAPTER : CAP011051)		

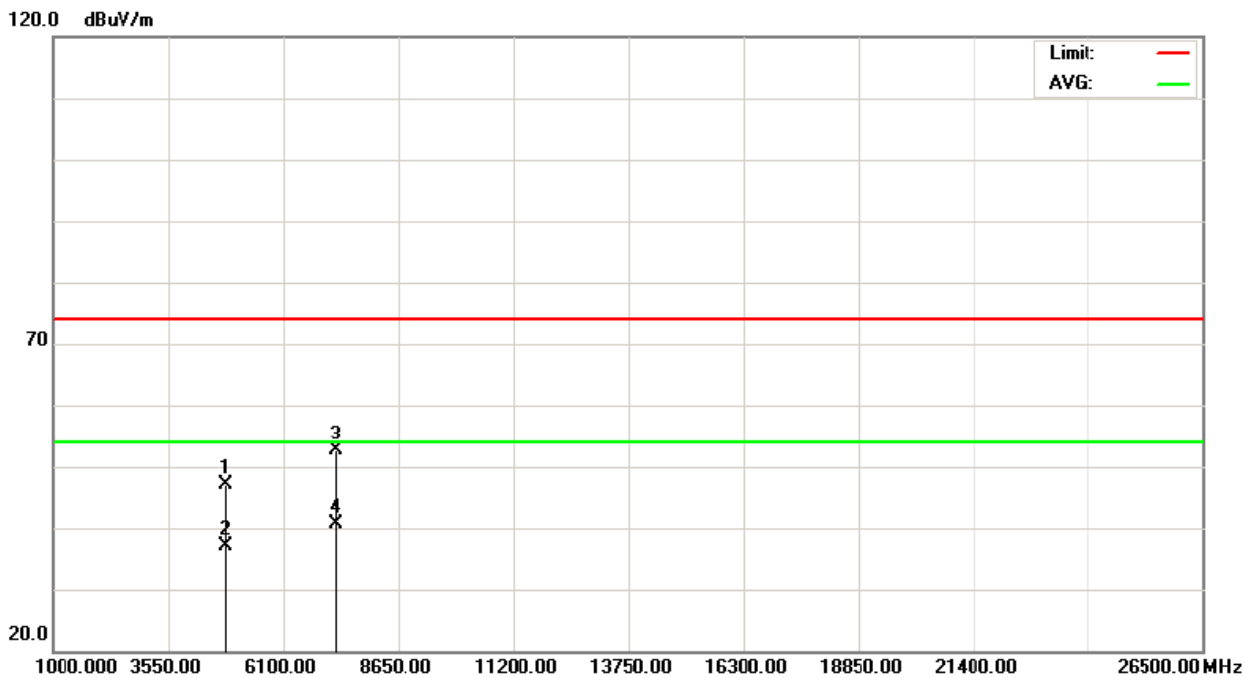
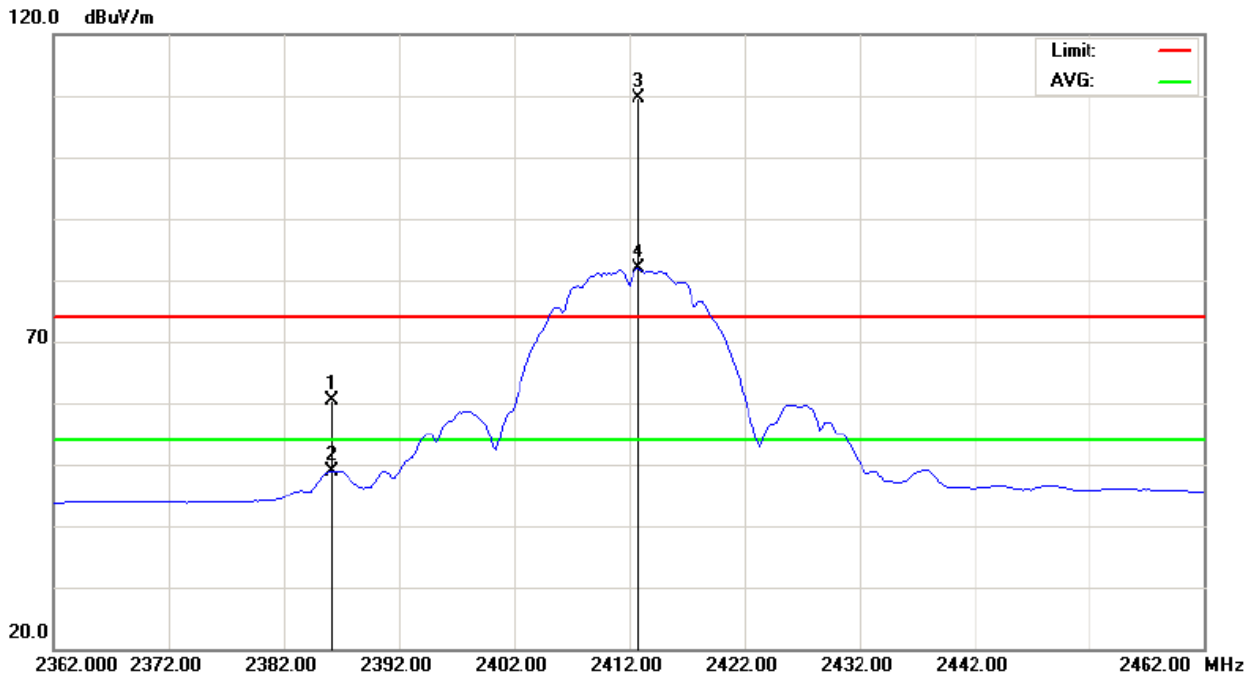
Freq. (MHz)	Ant.Pol. H/V	Reading		Ant./CF CF(dB)	Act.		Limit		Note
		Peak (dBuV)	AV (dBuV)		Peak (dBuV/m)	AV (dBuV/m)	Peak (dBuV/m)	AV (dBuV/m)	
2386.20	H	28.56	17.07	31.92	60.48	48.99	74.00	54.00	Y/E
2412.80	H	77.59	49.73	32.05	109.64	81.78			Y/F
4823.85	H	43.29	33.26	3.80	47.09	37.06	74.00	54.00	Y/H
7235.92	H	42.95	30.86	9.66	52.61	40.52	74.00	54.00	Y/H

Remark :

- (1) Spectrum Setting : 30MHz – 1000MHz , RBW= 100KHz, VBW=100KHz, Sweep time = 200 ms. 1GHz- 25GHz, RBW= 1MHz, VBW= 1MHz, Sweep time = Auto
- (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 or the 10th harmonic of highest fundamental frequency ◦“F” denotes fundamental frequency; “H” denotes spurious frequency. “E” denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)
- (4) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission ◦
- (5) 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.
- (6) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.
- (7) EUT Orthogonal Axes :
“X” - denotes Laid on Table ; “Y” - denotes Vertical Stand ; “Z” - denotes Side Stand
- (8) 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.



Orthogonal Axis : Y
Sample 2_802.11b_CH01 (Above 1000 MHz, Horizontal)





EUT :	Handheld Terminal	Model Name :	P235
Temperature :	24 °C	Relative Humidity :	51%
Test Voltage :	AC 120V/60Hz		
Test Mode :	Sample 2_802.11b_CH06 (ADAPTER : CAP011051)		

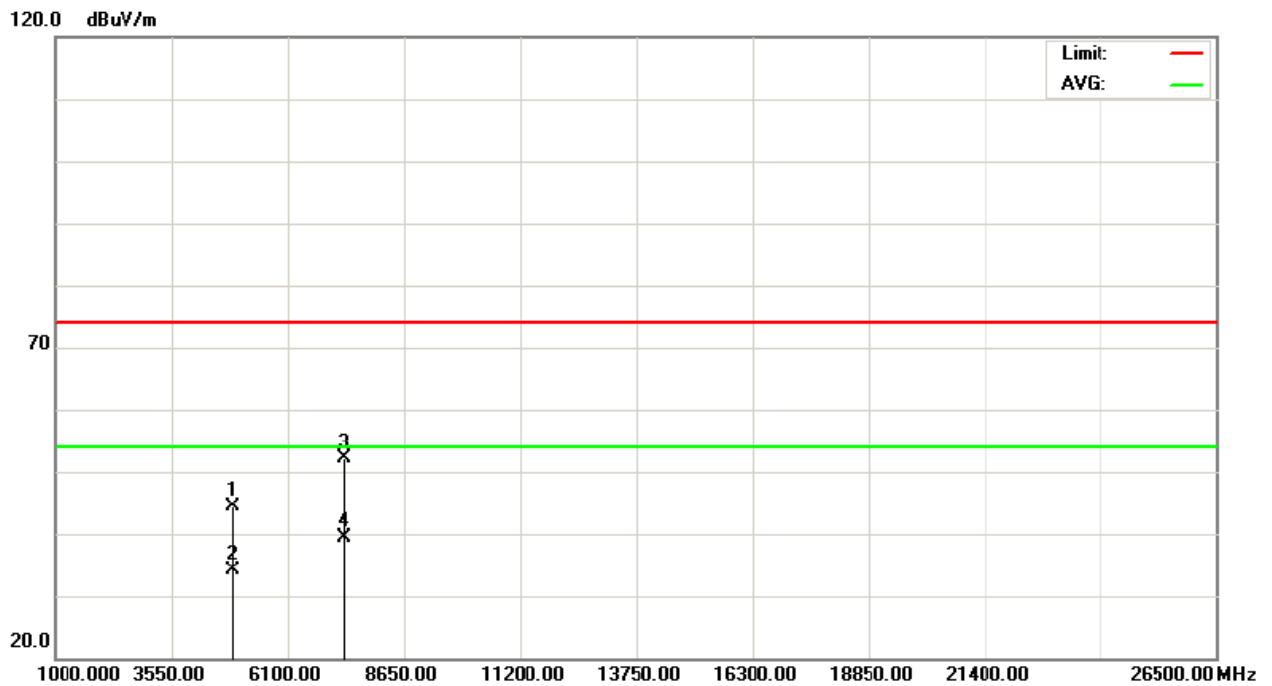
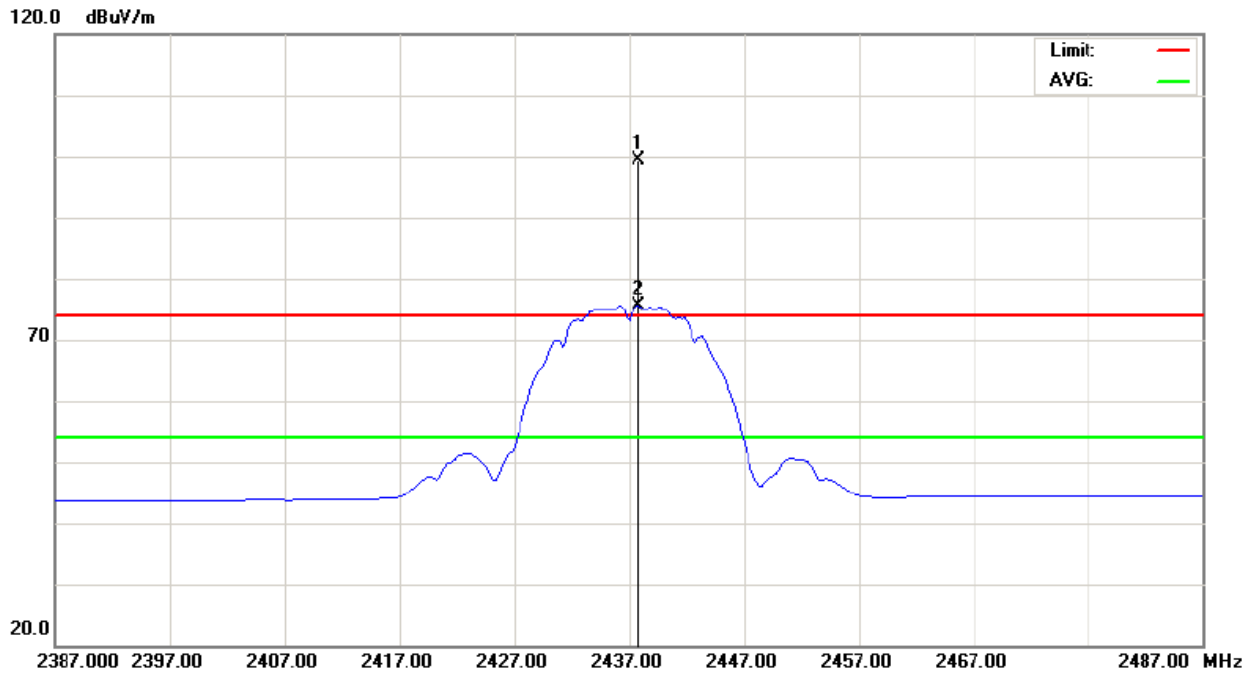
Freq. (MHz)	Ant. Pol. H/V	Reading		Ant./CF CF(dB)	Act.		Limit		Note
		Peak (dBuV)	AV (dBuV)		Peak (dBuV/m)	AV (dBuV/m)	Peak (dBuV/m)	AV (dBuV/m)	
2437.80	V	67.28	43.45	32.16	99.44	75.61			Y/F
4873.94	V	40.49	30.21	3.95	44.44	34.16	74.00	54.00	Y/H
7311.12	V	42.37	29.64	9.80	52.17	39.44	74.00	54.00	Y/H

Remark :

- (1) Spectrum Setting : 30MHz – 1000MHz , RBW= 100KHz, VBW=100KHz, Sweep time = 200 ms. 1GHz- 25GHz, RBW= 1MHz, VBW= 1MHz, Sweep time = Auto
- (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 or the 10th harmonic of highest fundamental frequency ◦ "F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)
- (4) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission ◦
- (5) 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.
- (6) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.
- (7) EUT Orthogonal Axes :
"X" - denotes Laid on Table ; "Y" - denotes Vertical Stand ; "Z" - denotes Side Stand
- (8) 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.



Orthogonal Axis : Y
Sample 2_802.11b_CH06 (Above 1000 MHz, Vertical)





EUT :	Handheld Terminal	Model Name :	P235
Temperature :	24 ° C	Relative Humidity :	51%
Test Voltage :	AC 120V/60Hz		
Test Mode :	Sample 2_802.11b_CH06 (ADAPTER : CAP011051)		

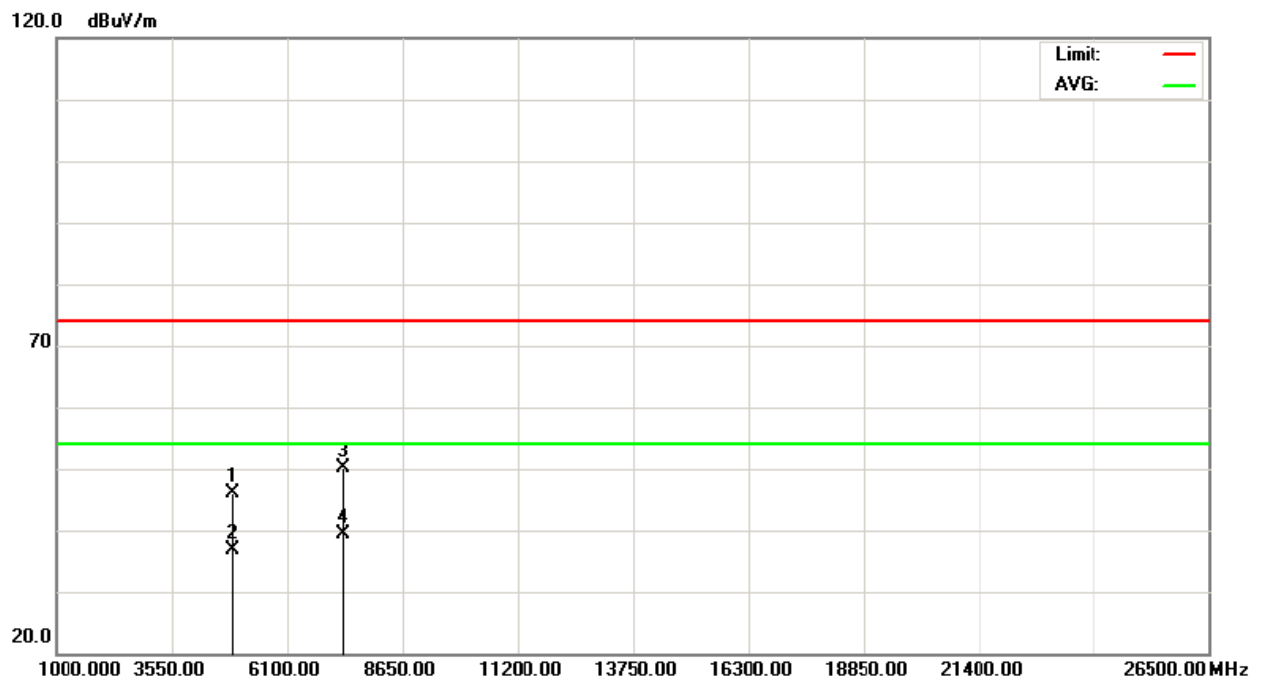
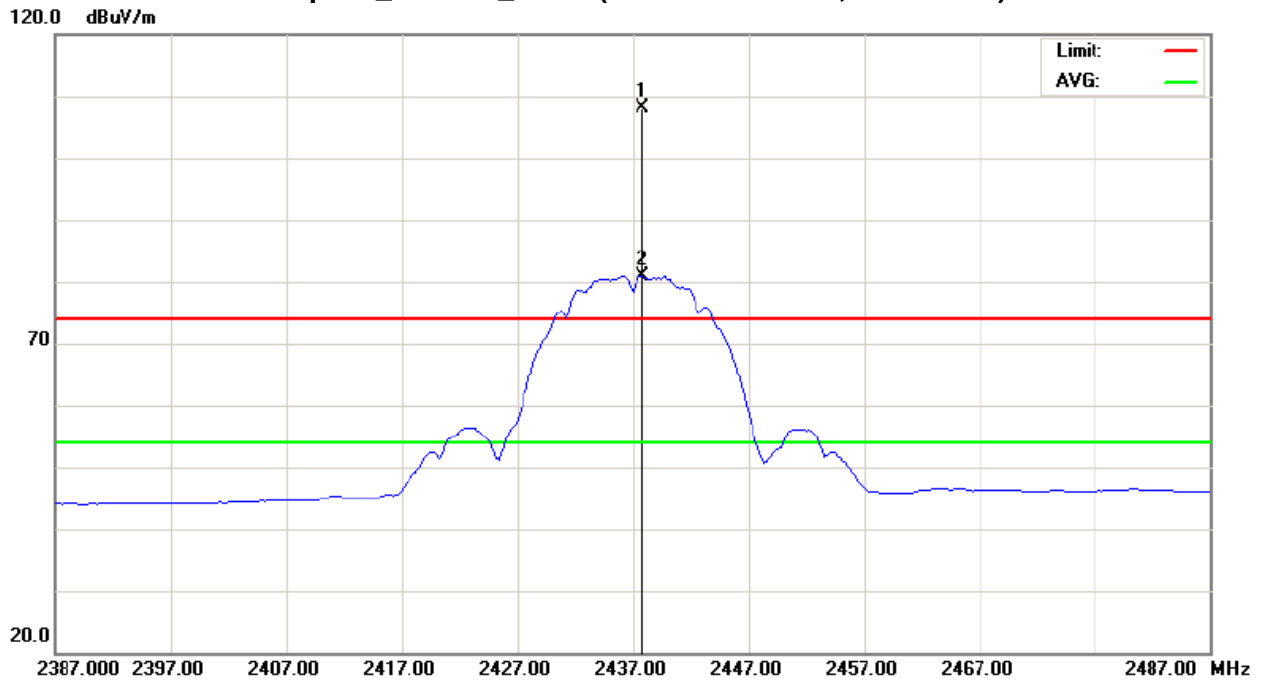
Freq. (MHz)	Ant.Pol. H/V	Reading		Ant./CF CF(dB)	Act.		Limit		Note
		Peak (dBuV)	AV (dBuV)		Peak (dBuV/m)	AV (dBuV/m)	Peak (dBuV/m)	AV (dBuV/m)	
2437.80	H	76.08	48.77	32.16	108.24	80.93			Y/F
4873.87	H	42.28	32.85	3.95	46.23	36.80	74.00	54.00	Y/H
7310.91	H	40.44	29.63	9.80	50.24	39.43	74.00	54.00	Y/H

Remark :

- (1) Spectrum Setting : 30MHz – 1000MHz , RBW= 100KHz, VBW=100KHz, Sweep time = 200 ms. 1GHz- 25GHz, RBW= 1MHz, VBW= 1MHz, Sweep time = Auto
- (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 or the 10th harmonic of highest fundamental frequency ◦“F” denotes fundamental frequency; “H” denotes spurious frequency. “E” denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)
- (4) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission ◦
- (5) 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.
- (6) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.
- (7) EUT Orthogonal Axes :
“X” - denotes Laid on Table ; “Y” - denotes Vertical Stand ; “Z” - denotes Side Stand
- (8) 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.



Orthogonal Axis : Y
Sample 2_802.11b_CH06 (Above 1000 MHz, Horizontal)





EUT :	Handheld Terminal	Model Name :	P235
Temperature :	24 ° C	Relative Humidity :	51%
Test Voltage :	AC 120V/60Hz		
Test Mode :	Sample 2_802.11b_CH11 (ADAPTER : CAP011051)		

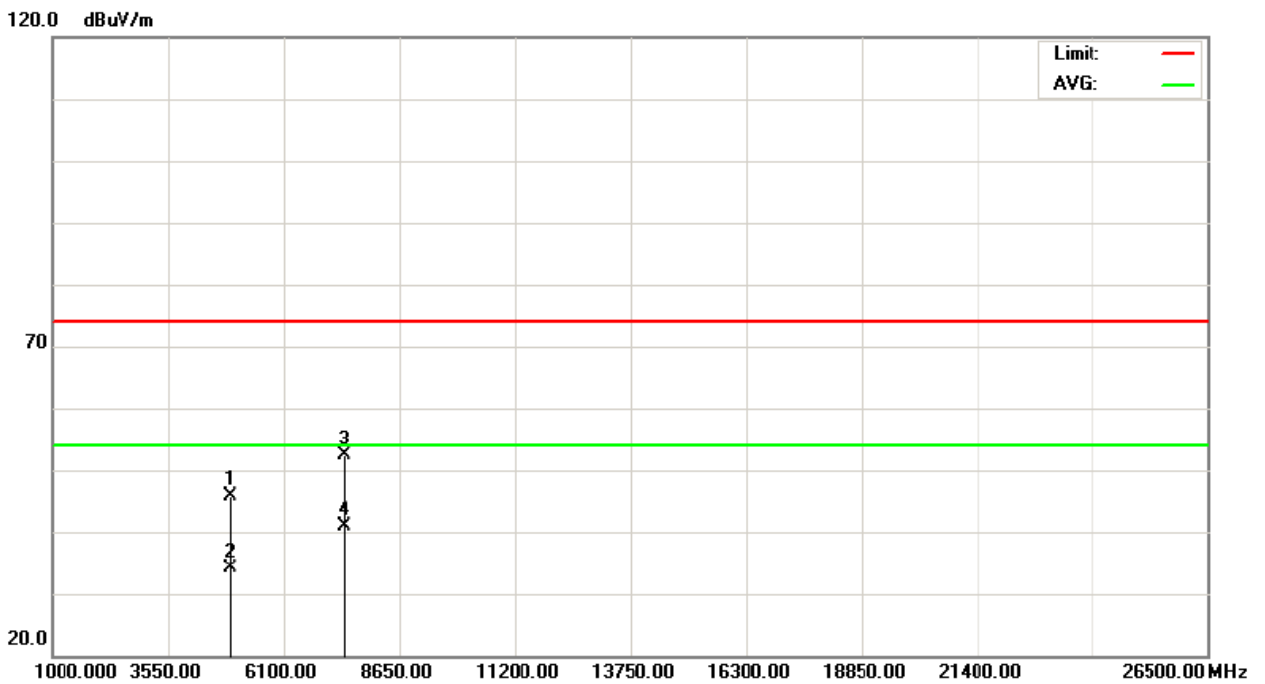
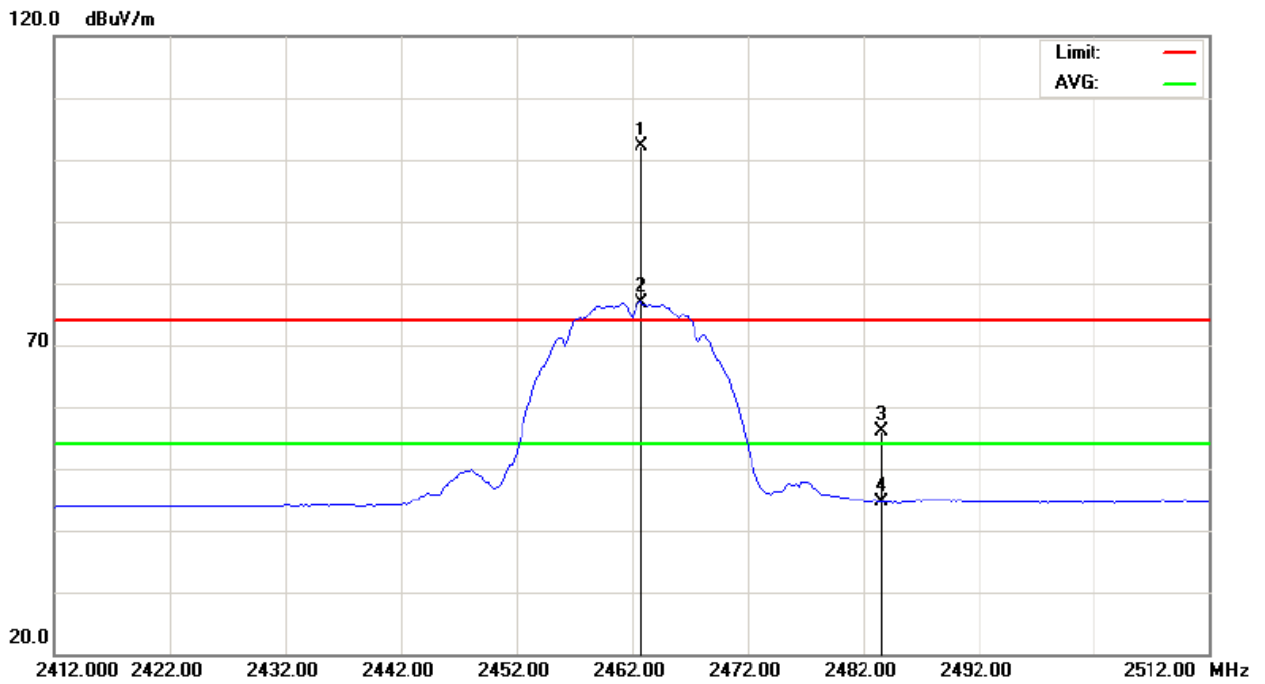
Freq. (MHz)	Ant.Pol. H/V	Reading		Ant./CF CF(dB)	Act.		Limit		Note
		Peak (dBuV)	AV (dBuV)		Peak (dBuV/m)	AV (dBuV/m)	Peak (dBuV/m)	AV (dBuV/m)	
2462.80	V	69.97	44.72	32.28	102.25	77.00			Y/F
2483.50	V	23.78	12.35	32.37	56.15	44.72	74.00	54.00	Y/E
4923.93	V	41.69	30.01	4.11	45.80	34.12	74.00	54.00	Y/H
7386.15	V	42.36	30.86	9.94	52.30	40.80	74.00	54.00	Y/H

Remark :

- (1) Spectrum Setting : 30MHz – 1000MHz , RBW= 100KHz, VBW=100KHz, Sweep time = 200 ms. 1GHz- 25GHz, RBW= 1MHz, VBW= 1MHz, Sweep time = Auto
- (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 or the 10th harmonic of highest fundamental frequency ◦ “F” denotes fundamental frequency; “H” denotes spurious frequency. “E” denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)
- (4) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission ◦
- (5) 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.
- (6) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.
- (7) EUT Orthogonal Axes :
“X” - denotes Laid on Table ; “Y” - denotes Vertical Stand ; “Z” - denotes Side Stand
- (8) 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.



Orthogonal Axis : Y
Sample 2_802.11b_CH11 (Above 1000 MHz, Vertical)





EUT :	Handheld Terminal	Model Name :	P235
Temperature :	24 ° C	Relative Humidity :	51%
Test Voltage :	AC 120V/60Hz		
Test Mode :	Sample 2_802.11b_CH11 (ADAPTER : CAP011051)		

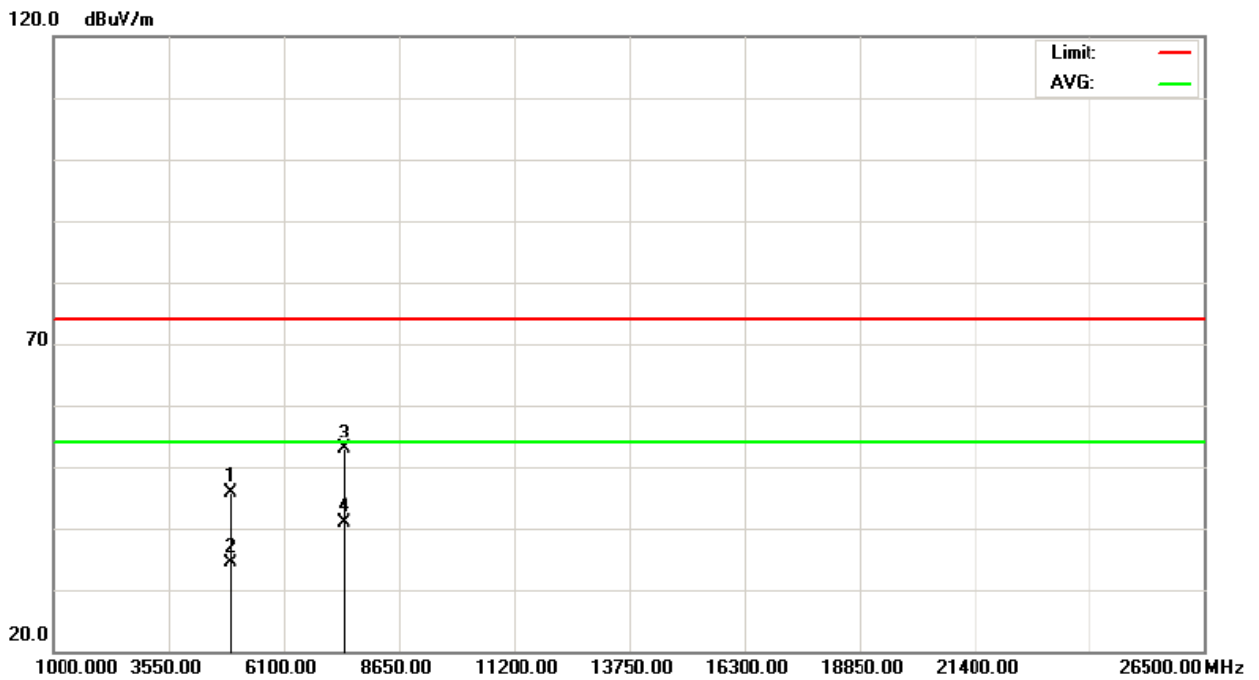
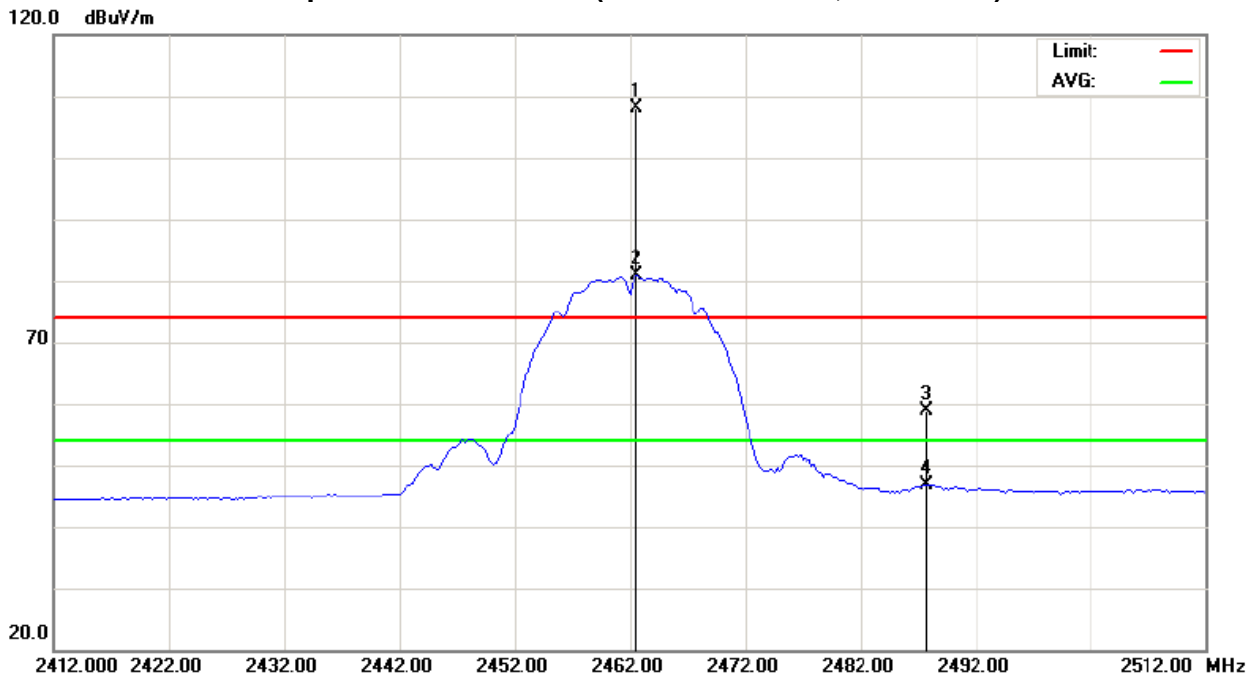
Freq. (MHz)	Ant.Pol. H/V	Reading		Ant./CF CF(dB)	Act.		Limit		Note
		Peak (dBuV)	AV (dBuV)		Peak (dBuV/m)	AV (dBuV/m)	Peak (dBuV/m)	AV (dBuV/m)	
2462.60	H	75.97	48.57	32.28	108.25	80.85			Y/F
2487.70	H	26.56	14.38	32.39	58.95	46.77	74.00	54.00	Y/E
4923.92	H	41.85	30.19	4.11	45.96	34.30	74.00	54.00	Y/H
7386.07	H	43.05	30.85	9.94	52.99	40.79	74.00	54.00	Y/H

Remark :

- (1) Spectrum Setting : 30MHz – 1000MHz , RBW= 100KHz, VBW=100KHz, Sweep time = 200 ms. 1GHz- 25GHz, RBW= 1MHz, VBW= 1MHz, Sweep time = Auto
- (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 or the 10th harmonic of highest fundamental frequency ◦“F” denotes fundamental frequency; “H” denotes spurious frequency. “E” denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)
- (4) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission ◦
- (5) 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.
- (6) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.
- (7) EUT Orthogonal Axes :
“X” - denotes Laid on Table ; “Y” - denotes Vertical Stand ; “Z” - denotes Side Stand
- (8) 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.



Orthogonal Axis : Y
Sample 2_802.11b_CH11 (Above 1000 MHz, Horizontal)





EUT :	Handheld Terminal	Model Name :	P235
Temperature :	24 °C	Relative Humidity :	51%
Test Voltage :	AC 120V/60Hz		
Test Mode :	Sample 2_802.11g_CH01 (ADAPTER : CAP011051)		

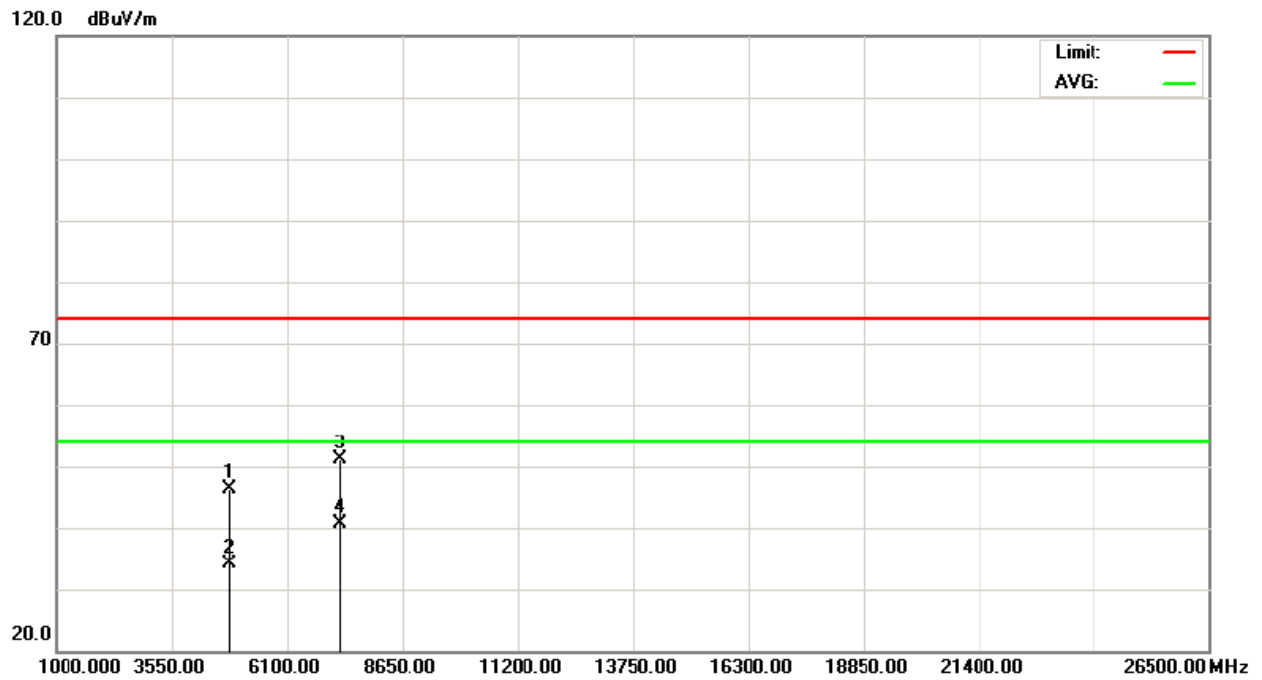
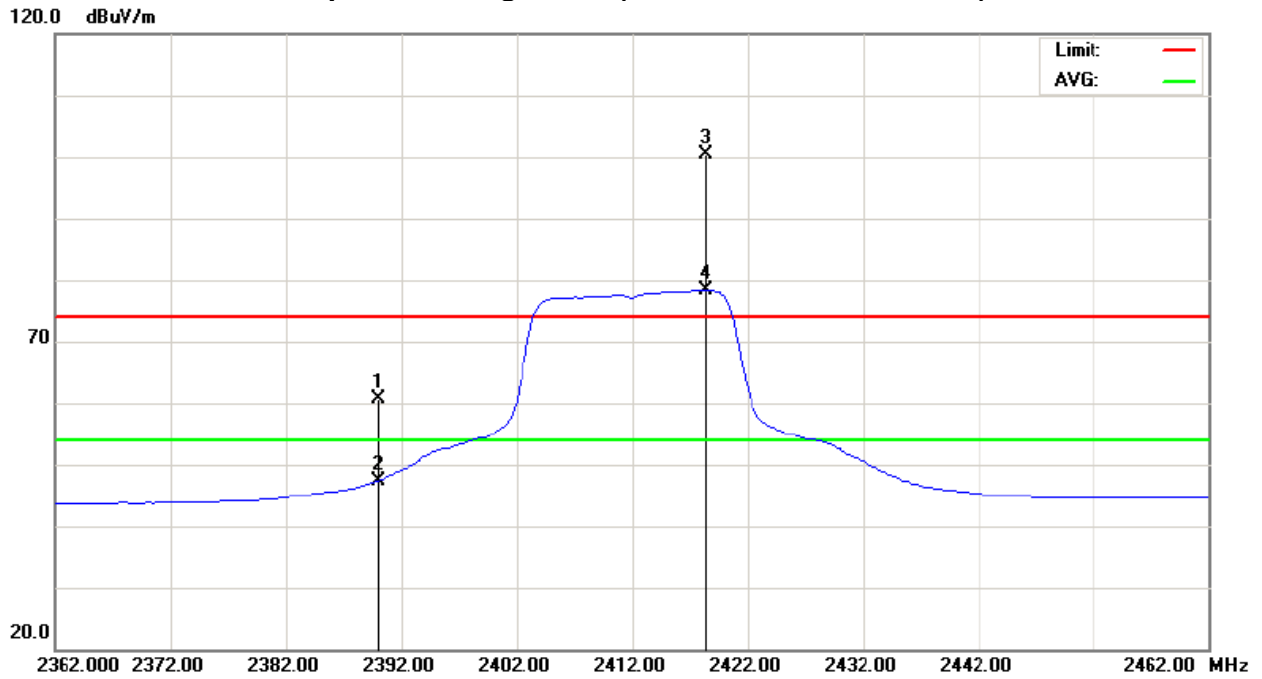
Freq. (MHz)	Ant. Pol. H/V	Reading		Ant./CF CF(dB)	Act.		Limit		Note
		Peak (dBuV)	AV (dBuV)		Peak (dBuV/m)	AV (dBuV/m)	Peak (dBuV/m)	AV (dBuV/m)	
2390.00	V	28.60	15.47	31.94	60.54	47.41	74.00	54.00	Y/E
2418.40	V	68.36	46.30	32.07	100.43	78.37			Y/F
4824.16	V	42.58	30.31	3.80	46.38	34.11	74.00	54.00	Y/H
7236.20	V	41.52	31.08	9.66	51.18	40.74	74.00	54.00	Y/H

Remark :

- (1) Spectrum Setting : 30MHz – 1000MHz , RBW= 100KHz, VBW=100KHz, Sweep time = 200 ms. 1GHz- 25GHz, RBW= 1MHz, VBW= 1MHz, Sweep time = Auto
- (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 or the 10th harmonic of highest fundamental frequency ◦ "F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)
- (4) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission ◦
- (5) 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.
- (6) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.
- (7) EUT Orthogonal Axes :
"X" - denotes Laid on Table ; "Y" - denotes Vertical Stand ; "Z" - denotes Side Stand
- (8) 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.



Orthogonal Axis : Y
Sample 2_802.11g_CH01 (Above 1000 MHz, Vertical)





EUT :	Handheld Terminal	Model Name :	P235
Temperature :	24 °C	Relative Humidity :	51%
Test Voltage :	AC 120V/60Hz		
Test Mode :	Sample 2_802.11g_CH01 (ADAPTER : CAP011051)		

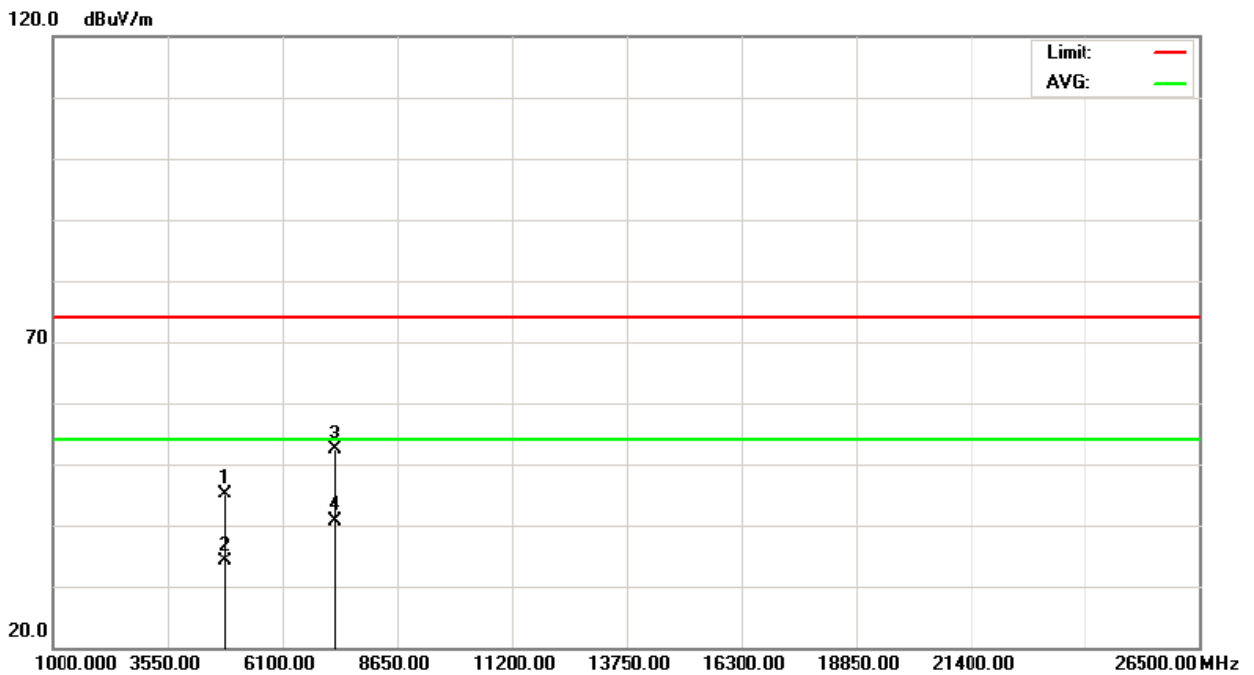
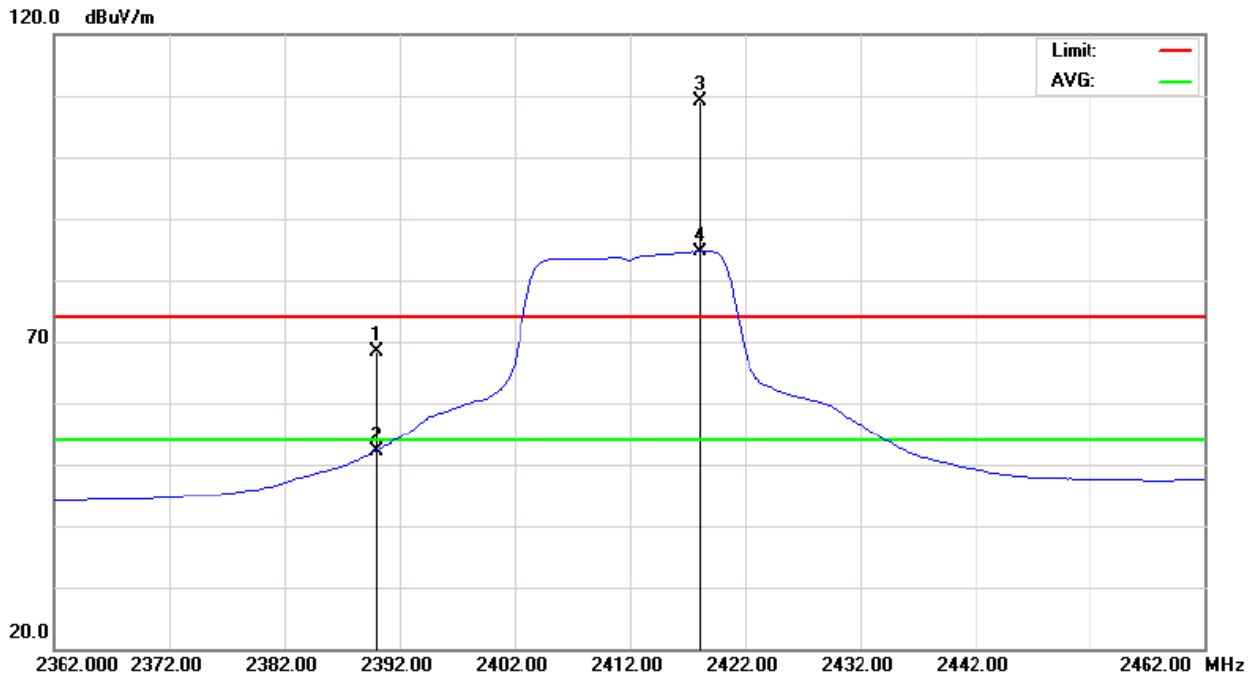
Freq. (MHz)	Ant.Pol. H/V	Reading		Ant./CF CF(dB)	Act.		Limit		Note
		Peak (dBuV)	AV (dBuV)		Peak (dBuV/m)	AV (dBuV/m)	Peak (dBuV/m)	AV (dBuV/m)	
2390.00	H	36.41	20.27	31.94	68.35	52.21	74.00	54.00	Y/E
2418.20	H	77.09	52.53	32.07	109.16	84.60			Y/F
4824.16	H	41.41	30.25	3.80	45.21	34.05	74.00	54.00	Y/H
7235.90	H	42.61	30.92	9.66	52.27	40.58	74.00	54.00	Y/H

Remark :

- (1) Spectrum Setting : 30MHz – 1000MHz , RBW= 100KHz, VBW=100KHz, Sweep time = 200 ms. 1GHz- 25GHz, RBW= 1MHz, VBW= 1MHz, Sweep time = Auto
- (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 or the 10th harmonic of highest fundamental frequency ◦“F” denotes fundamental frequency; “H” denotes spurious frequency. “E” denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)
- (4) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission ◦
- (5) 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.
- (6) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.
- (7) EUT Orthogonal Axes :
“X” - denotes Laid on Table ; “Y” - denotes Vertical Stand ; “Z” - denotes Side Stand
- (8) 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.



Orthogonal Axis : Y
Sample 2_802.11g_CH01 (Above 1000 MHz, Horizontal)





EUT :	Handheld Terminal	Model Name :	P235
Temperature :	24 °C	Relative Humidity :	51%
Test Voltage :	AC 120V/60Hz		
Test Mode :	Sample 2_802.11g_CH06 (ADAPTER : CAP011051)		

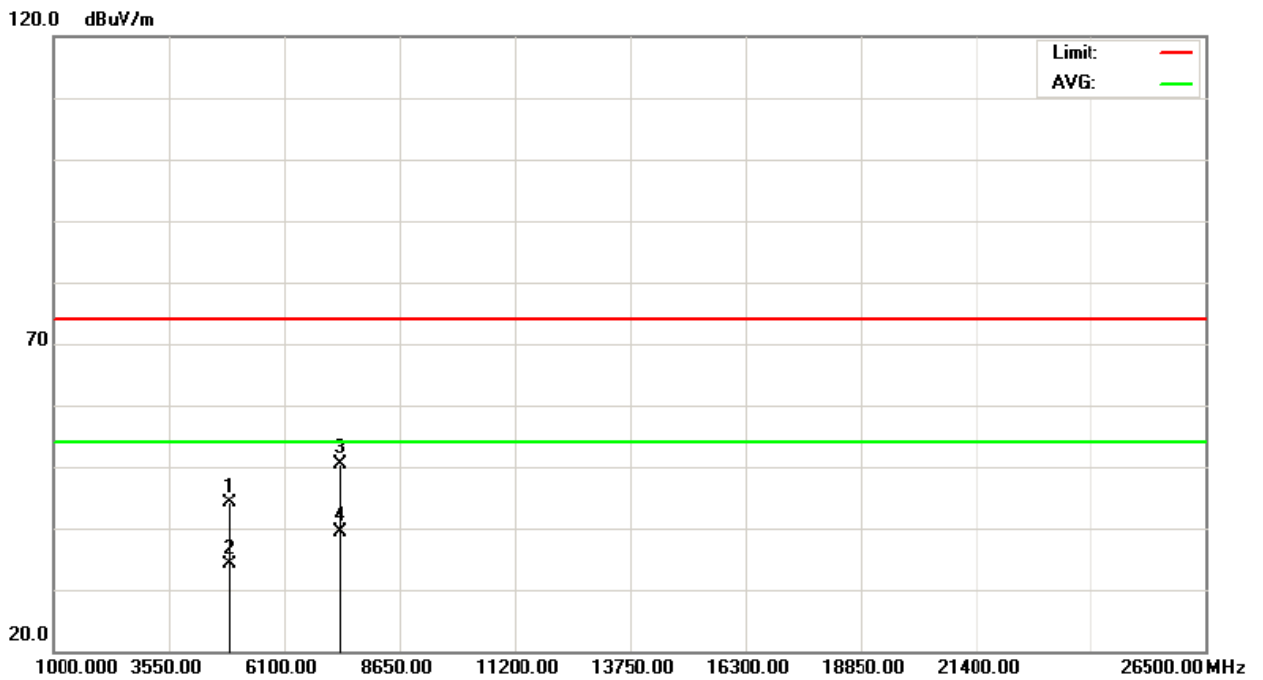
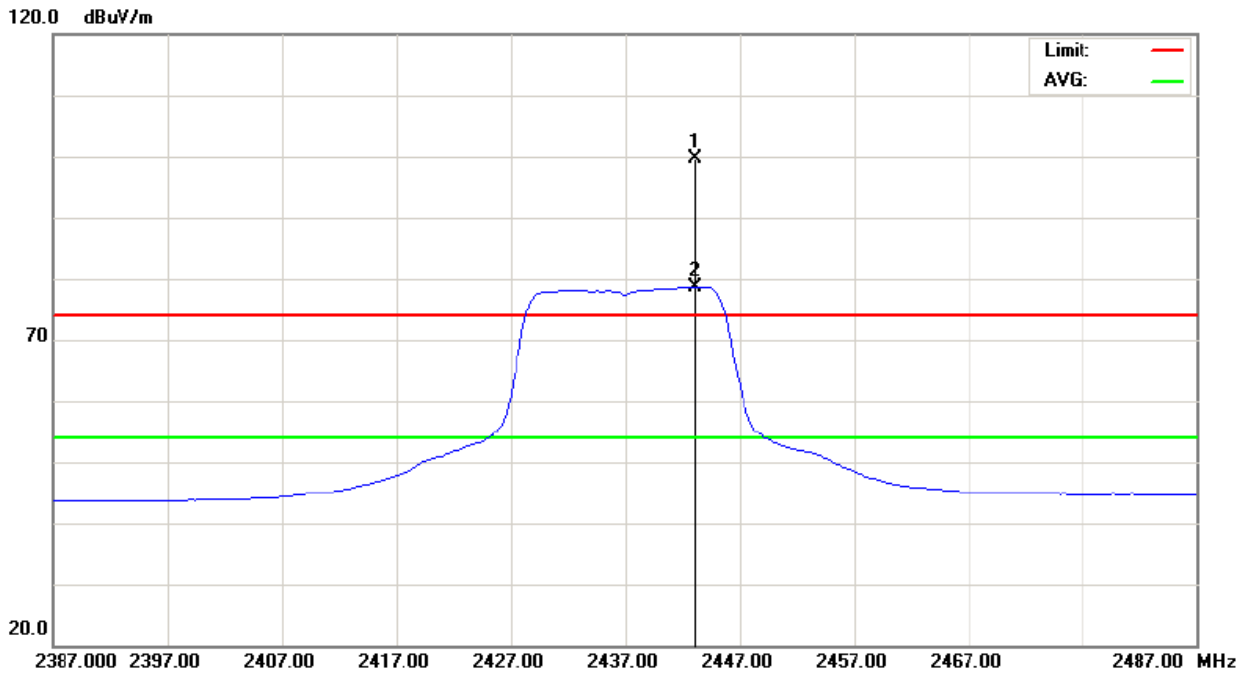
Freq. (MHz)	Ant. Pol. H/V	Reading		Ant./CF CF(dB)	Act.		Limit		Note
		Peak (dBuV)	AV (dBuV)		Peak (dBuV/m)	AV (dBuV/m)	Peak (dBuV/m)	AV (dBuV/m)	
2443.20	V	67.34	46.50	32.19	99.53	78.69			Y/F
4873.82	V	40.25	30.08	3.95	44.20	34.03	74.00	54.00	Y/H
7311.24	V	40.66	29.52	9.80	50.46	39.32	74.00	54.00	Y/H

Remark :

- (1) Spectrum Setting : 30MHz – 1000MHz , RBW= 100KHz, VBW=100KHz, Sweep time = 200 ms. 1GHz- 25GHz, RBW= 1MHz, VBW= 1MHz, Sweep time = Auto
- (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 or the 10th harmonic of highest fundamental frequency ◦ "F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)
- (4) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission ◦
- (5) 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.
- (6) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.
- (7) EUT Orthogonal Axes :
"X" - denotes Laid on Table ; "Y" - denotes Vertical Stand ; "Z" - denotes Side Stand
- (8) 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.



Orthogonal Axis : Y
Sample 2_802.11g_CH06 (Above 1000 MHz, Vertical)





EUT :	Handheld Terminal	Model Name :	P235
Temperature :	24 ° C	Relative Humidity :	51%
Test Voltage :	AC 120V/60Hz		
Test Mode :	Sample 2_802.11g_CH06 (ADAPTER : CAP011051)		

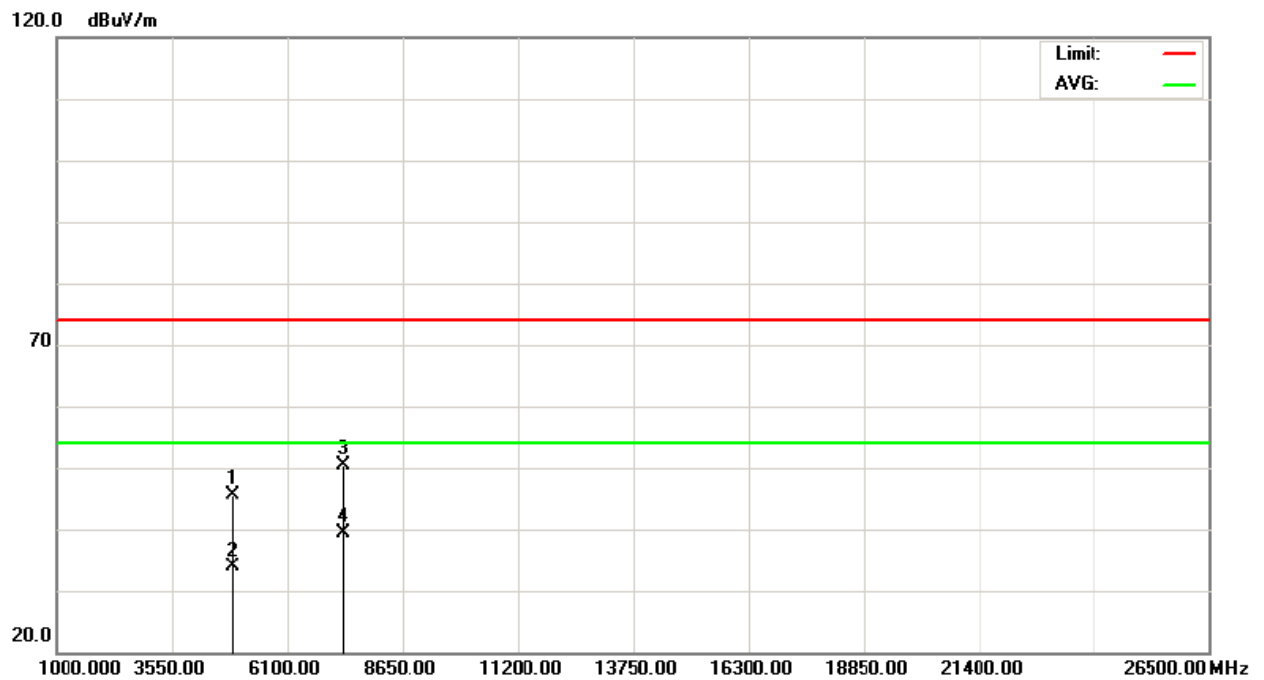
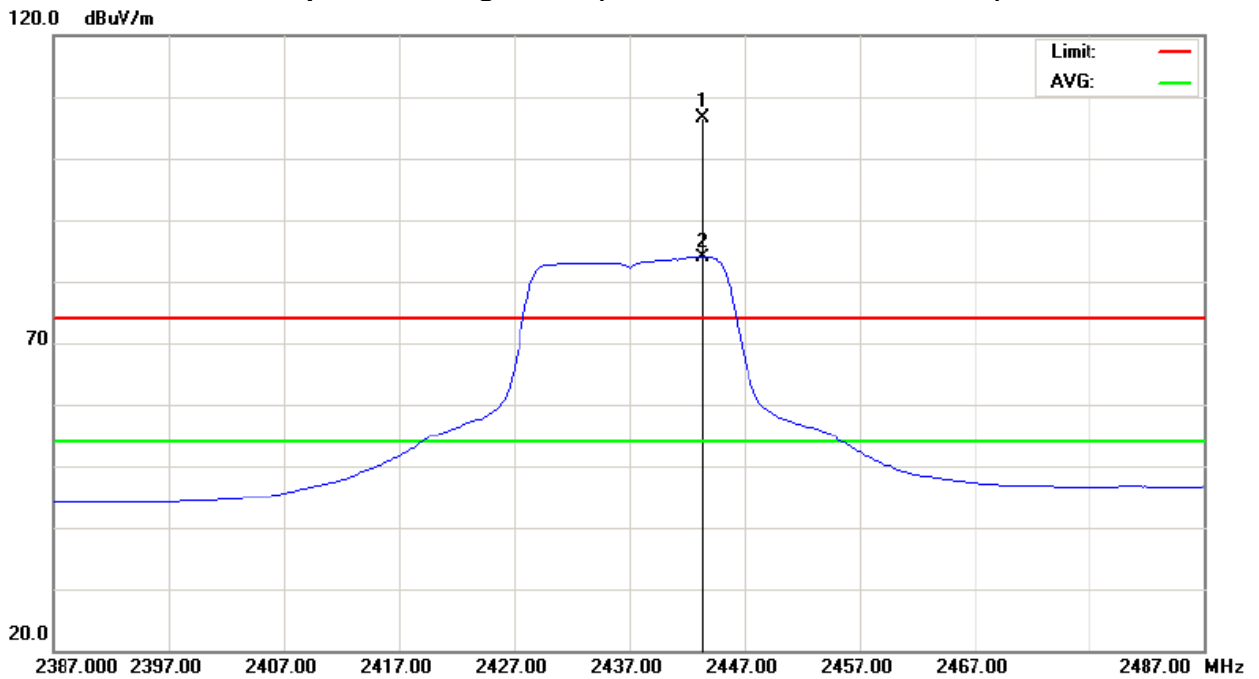
Freq. (MHz)	Ant.Pol. H/V	Reading		Ant./CF CF(dB)	Act.		Limit		Note
		Peak (dBuV)	AV (dBuV)		Peak (dBuV/m)	AV (dBuV/m)	Peak (dBuV/m)	AV (dBuV/m)	
2443.40	H	74.36	51.70	32.19	106.55	83.89			Y/F
4873.92	H	41.74	29.99	3.95	45.69	33.94	74.00	54.00	Y/H
7310.86	H	40.62	29.52	9.80	50.42	39.32	74.00	54.00	Y/H

Remark :

- (1) Spectrum Setting : 30MHz – 1000MHz , RBW= 100KHz, VBW=100KHz, Sweep time = 200 ms. 1GHz- 25GHz, RBW= 1MHz, VBW= 1MHz, Sweep time = Auto
- (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 or the 10th harmonic of highest fundamental frequency ◦“F” denotes fundamental frequency; “H” denotes spurious frequency. “E” denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)
- (4) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission ◦
- (5) 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.
- (6) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.
- (7) EUT Orthogonal Axes :
“X” - denotes Laid on Table ; “Y” - denotes Vertical Stand ; “Z” - denotes Side Stand
- (8) 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.



Orthogonal Axis : Y
Sample 2_802.11g_CH06 (Above 1000 MHz, Horizontal)





EUT :	Handheld Terminal	Model Name :	P235
Temperature :	24 ° C	Relative Humidity :	51%
Test Voltage :	AC 120V/60Hz		
Test Mode :	Sample 2_802.11g_CH11 (ADAPTER : CAP011051)		

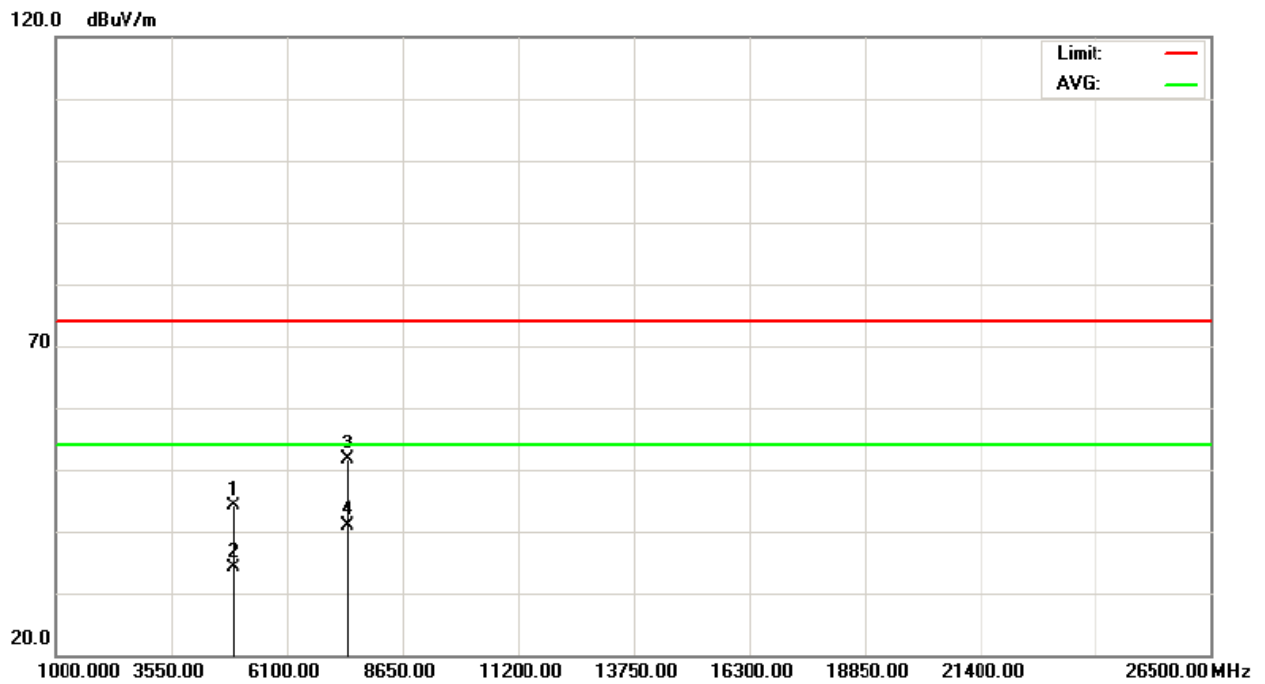
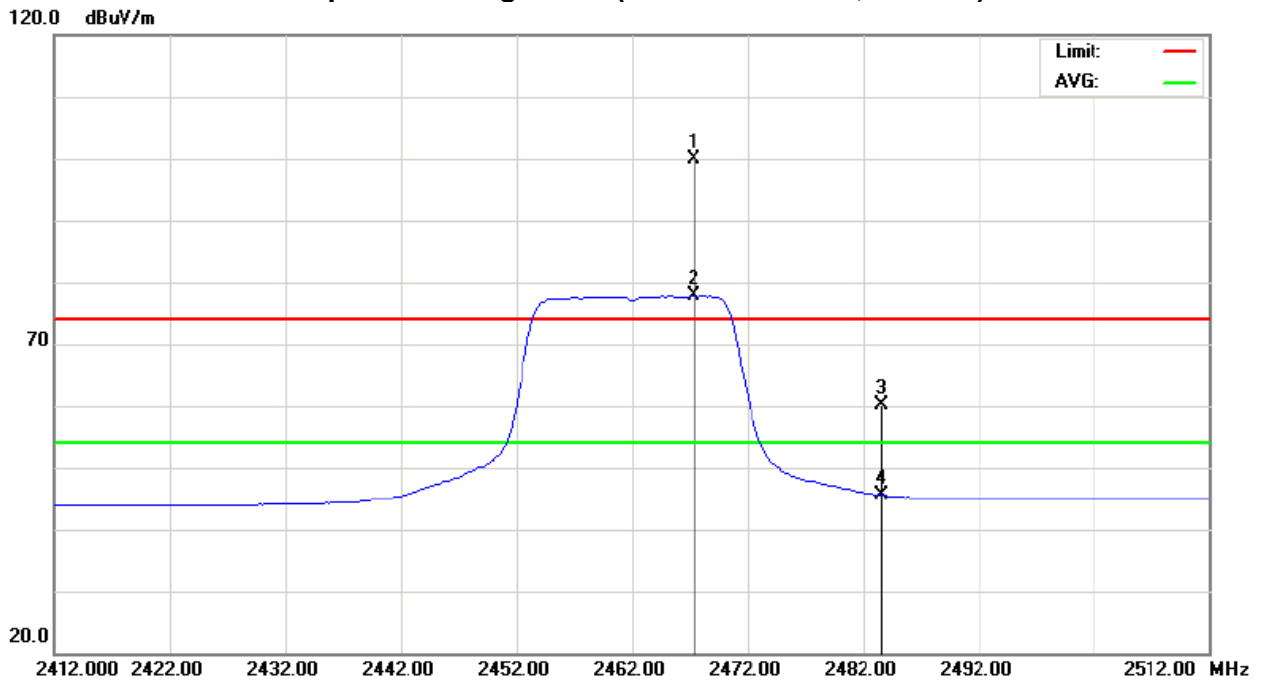
Freq. (MHz)	Ant. Pol. H/V	Reading		Ant./CF CF(dB)	Act.		Limit		Note
		Peak (dBuV)	AV (dBuV)		Peak (dBuV/m)	AV (dBuV/m)	Peak (dBuV/m)	AV (dBuV/m)	
2467.40	V	67.64	45.51	32.30	99.94	77.81			Y/F
2483.50	V	27.84	13.24	32.37	60.21	45.61	74.00	54.00	Y/E
4924.12	V	40.04	30.00	4.11	44.15	34.11	74.00	54.00	Y/H
7385.98	V	41.68	30.87	9.94	51.62	40.81	74.00	54.00	Y/H

Remark :

- (1) Spectrum Setting : 30MHz – 1000MHz , RBW= 100KHz, VBW=100KHz, Sweep time = 200 ms. 1GHz- 25GHz, RBW= 1MHz, VBW= 1MHz, Sweep time = Auto
- (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 or the 10th harmonic of highest fundamental frequency ◦ “F” denotes fundamental frequency; “H” denotes spurious frequency. “E” denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)
- (4) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission ◦
- (5) 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.
- (6) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.
- (7) EUT Orthogonal Axes :
“X” - denotes Laid on Table ; “Y” - denotes Vertical Stand ; “Z” - denotes Side Stand
- (8) 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.



Orthogonal Axis : Y
Sample 2_802.11g_CH11 (Above 1000 MHz, Vertical)





EUT :	Handheld Terminal	Model Name :	P235
Temperature :	24 ° C	Relative Humidity :	51%
Test Voltage :	AC 120V/60Hz		
Test Mode :	Sample 2_802.11g_CH11 (ADAPTER : CAP011051)		

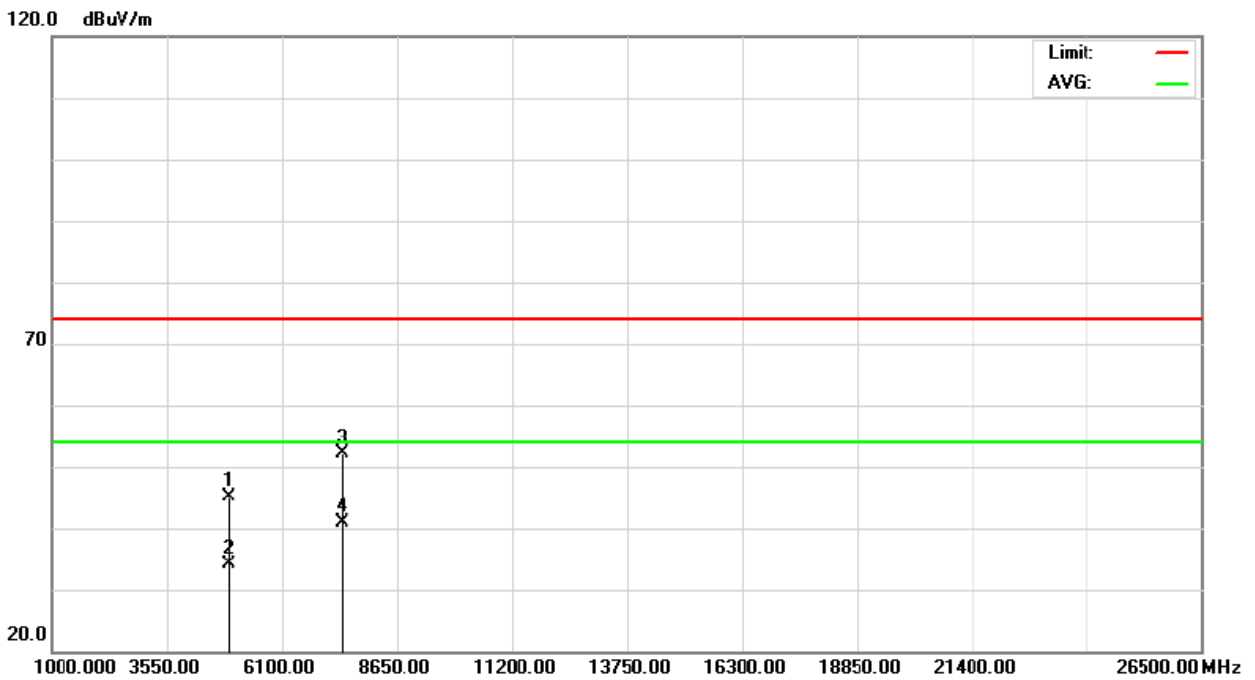
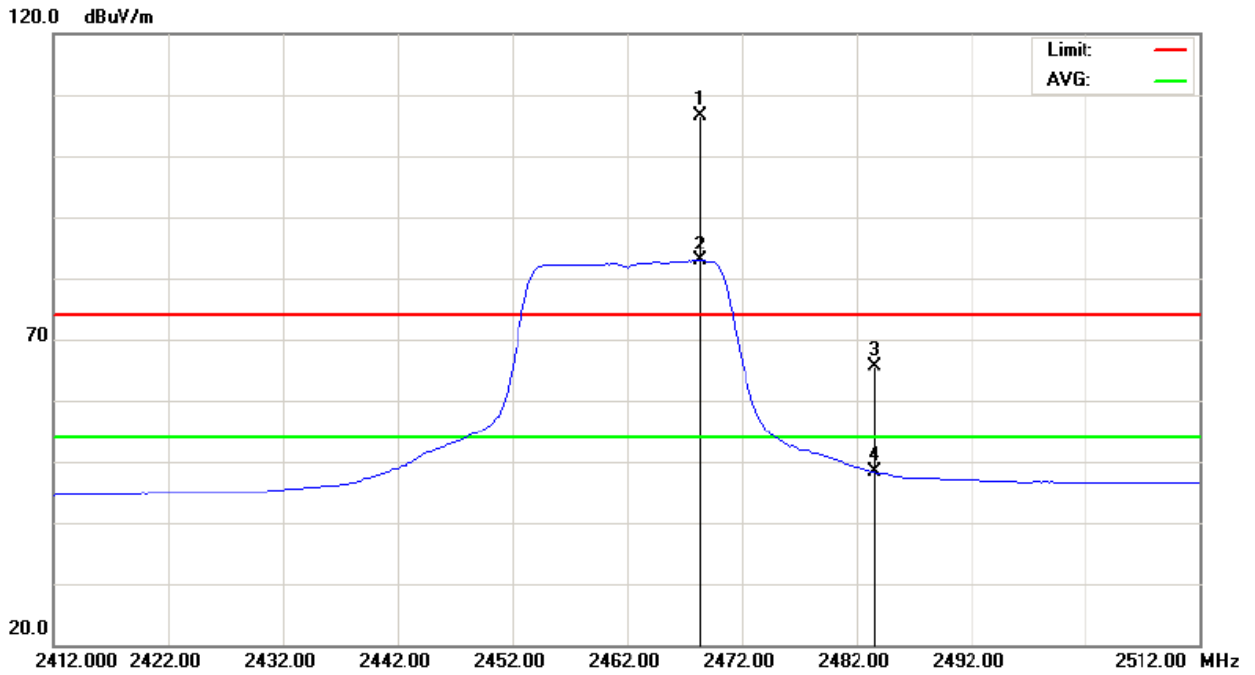
Freq. (MHz)	Ant.Pol. H/V	Reading		Ant./CF CF(dB)	Act.		Limit		Note
		Peak (dBuV)	AV (dBuV)		Peak (dBuV/m)	AV (dBuV/m)	Peak (dBuV/m)	AV (dBuV/m)	
2468.40	H	74.42	50.52	32.30	106.72	82.82			Y/F
2483.50	H	33.21	15.99	32.37	65.58	48.36	74.00	54.00	Y/E
4923.96	H	41.01	29.93	4.11	45.12	34.04	74.00	54.00	Y/H
7386.24	H	42.11	30.84	9.94	52.05	40.78	74.00	54.00	Y/H

Remark :

- (1) Spectrum Setting : 30MHz – 1000MHz , RBW= 100KHz, VBW=100KHz, Sweep time = 200 ms. 1GHz- 25GHz, RBW= 1MHz, VBW= 1MHz, Sweep time = Auto
- (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 or the 10th harmonic of highest fundamental frequency ◦“F” denotes fundamental frequency; “H” denotes spurious frequency. “E” denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)
- (4) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission ◦
- (5) 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.
- (6) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.
- (7) EUT Orthogonal Axes :
“X” - denotes Laid on Table ; “Y” - denotes Vertical Stand ; “Z” - denotes Side Stand
- (8) 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.



Orthogonal Axis : Y
Sample 2_802.11g_CH11 (Above 1000 MHz, Horizontal)





4.2.9 TEST RESULTS-RESTRICTED BANDS REQUIREMENTS

EUT :	Handheld Terminal	Model Name :	P235
Temperature :	24 °C	Relative Humidity :	51%
Test Voltage :	AC 120V/60Hz		
Test Mode :	Sample 1_802.11b_CH01, CH11 (ADAPTER : CAP011051) (Vertical)		
Note :	<p>The emission of the carrier radiated field strength is measured for CH01, CH11 (Peak and AV) as following:</p> <ol style="list-style-type: none"> 1. The transmitter was then configured with the worst case antenna and setup to transmit at the lowest channel (CH01). Then the field strength was measured at 2310-2390 MHz. 2. The transmitter was configured with the worst case antenna and setup to transmit at the highest channel (CH11). Then the field strength was measured at 2483.5-2500 MHz. 		

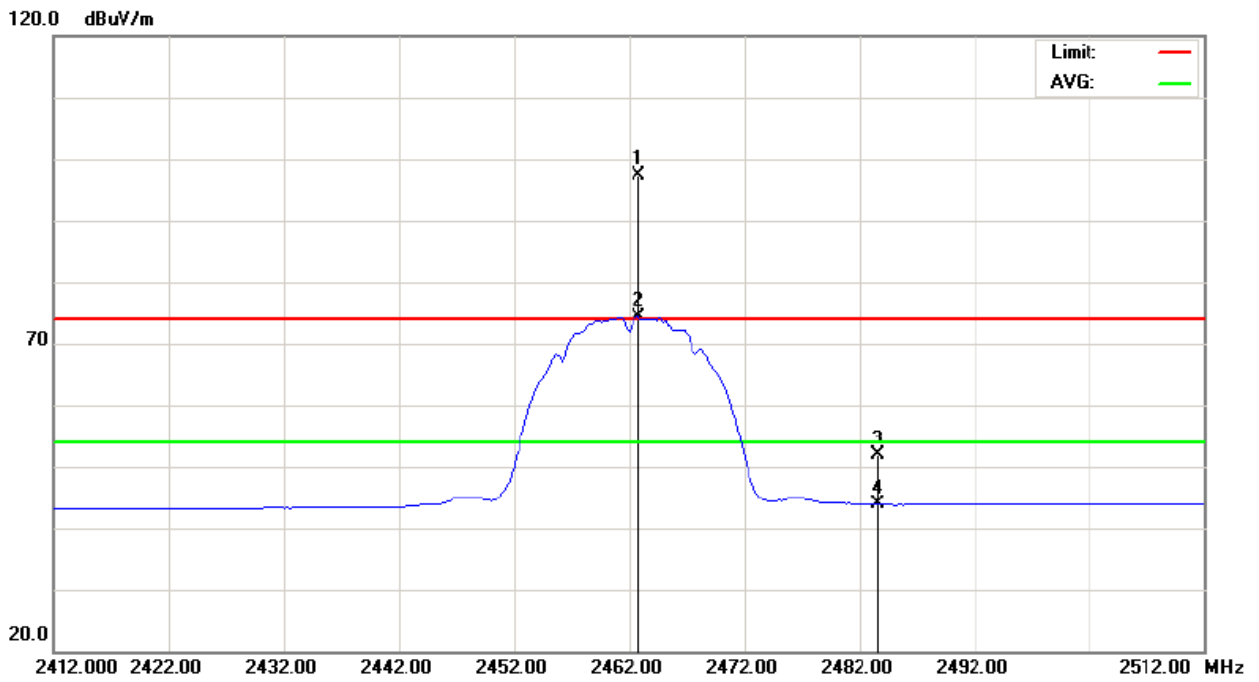
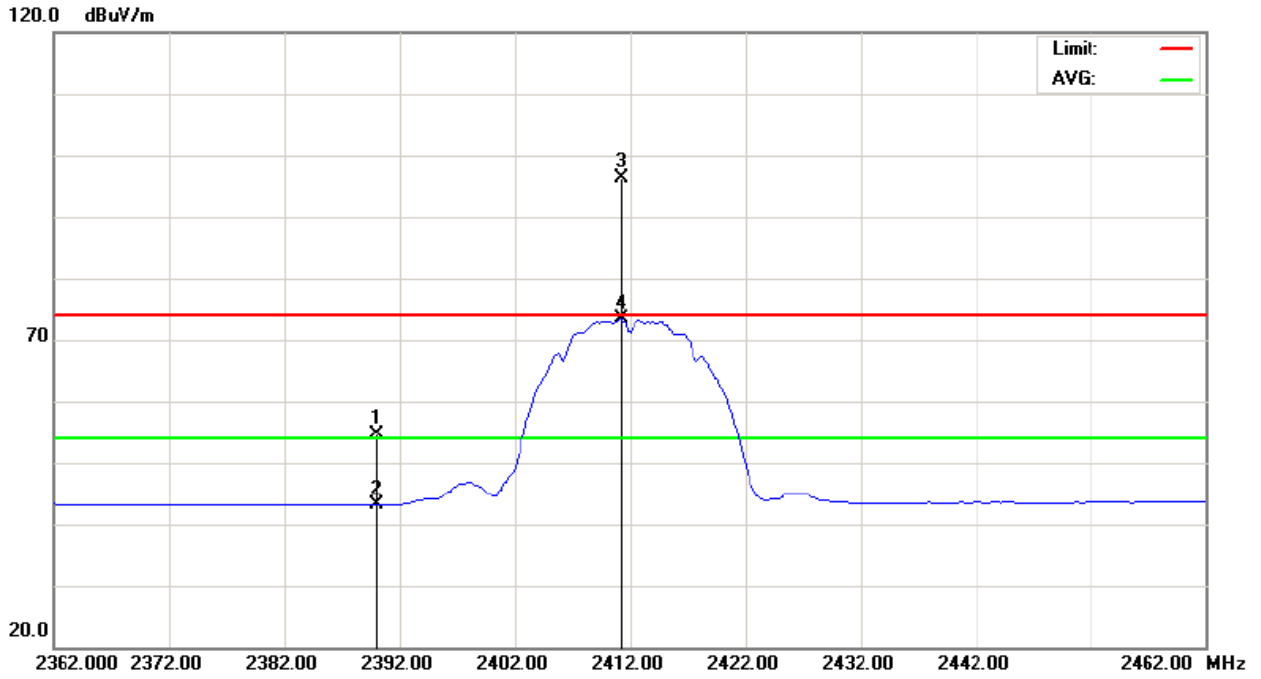
Freq. (MHz)	Ant.Pol. H/V	Reading		Ant./CF CF(dB)	Act.		Limit		Note
		Peak (dBuV)	AV (dBuV)		Peak (dBuV/m)	AV (dBuV/m)	Peak (dBuV/m)	AV (dBuV/m)	
2390.00	V	22.61	11.23	31.94	54.55	43.17	74.00	54.00	CH01
2483.50	V	19.51	11.45	32.37	51.88	43.82	74.00	54.00	CH11

Remark :

- (1) Spectrum Setting : 30MHz – 1000MHz , RBW= 100KHz, VBW=100KHz, Sweep time = 200 ms. 1GHz- 25GHz, RBW= 1MHz, VBW= 1MHz, Sweep time = Auto
- (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) EUT Orthogonal Axes :
 "X" - denotes Laid on Table ; "Y" - denotes Vertical Stand ; "Z" - denotes Side Stand



Sample 1_802.11b_CH01, CH11 (Restricted Bands Requirements, Vertical)





EUT :	Handheld Terminal	Model Name :	P235
Temperature :	24 ° C	Relative Humidity :	51%
Test Voltage :	AC 120V/60Hz		
Test Mode :	Sample 1_802.11b_CH01, CH11 (ADAPTER : CAP011051) (Horizontal)		
Note :	<p>The emission of the carrier radiated field strength is measured for CH01, CH11 (Peak and AV) as following:</p> <ol style="list-style-type: none"> 1. The transmitter was then configured with the worst case antenna and setup to transmit at the lowest channel (CH01). Then the field strength was measured at 2310-2390 MHz. 2. The transmitter was configured with the worst case antenna and setup to transmit at the highest channel (CH11). Then the field strength was measured at 2483.5-2500 MHz. 		

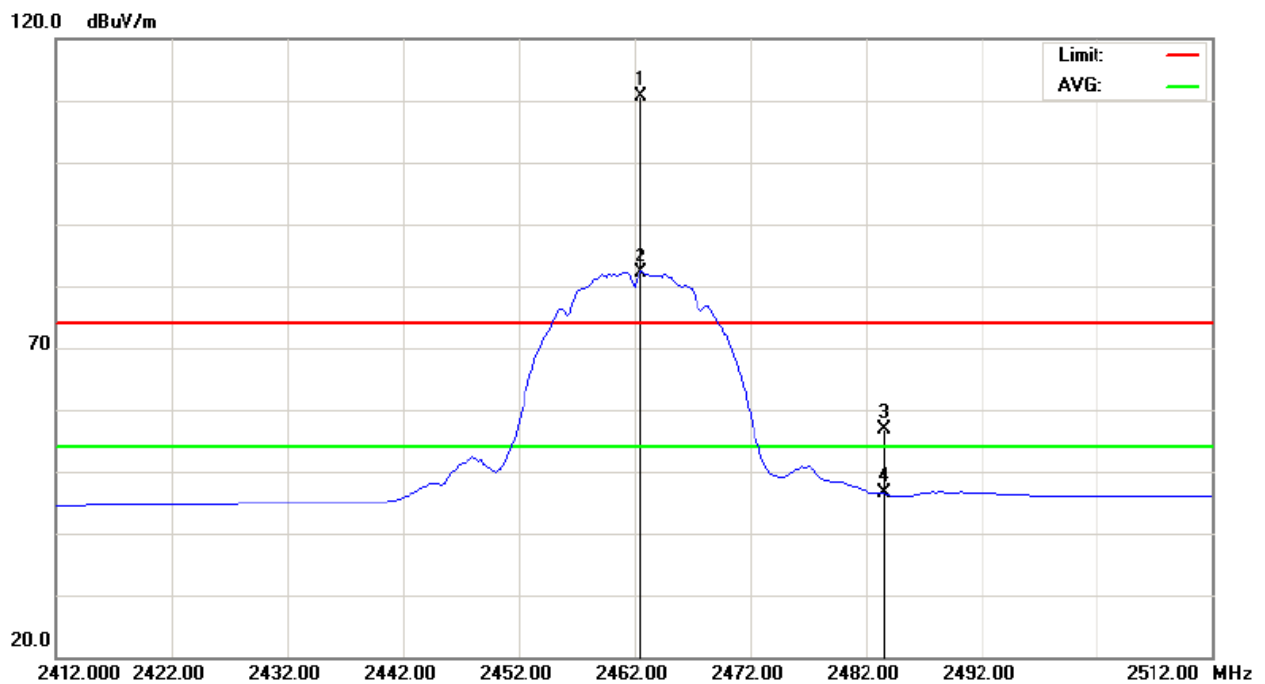
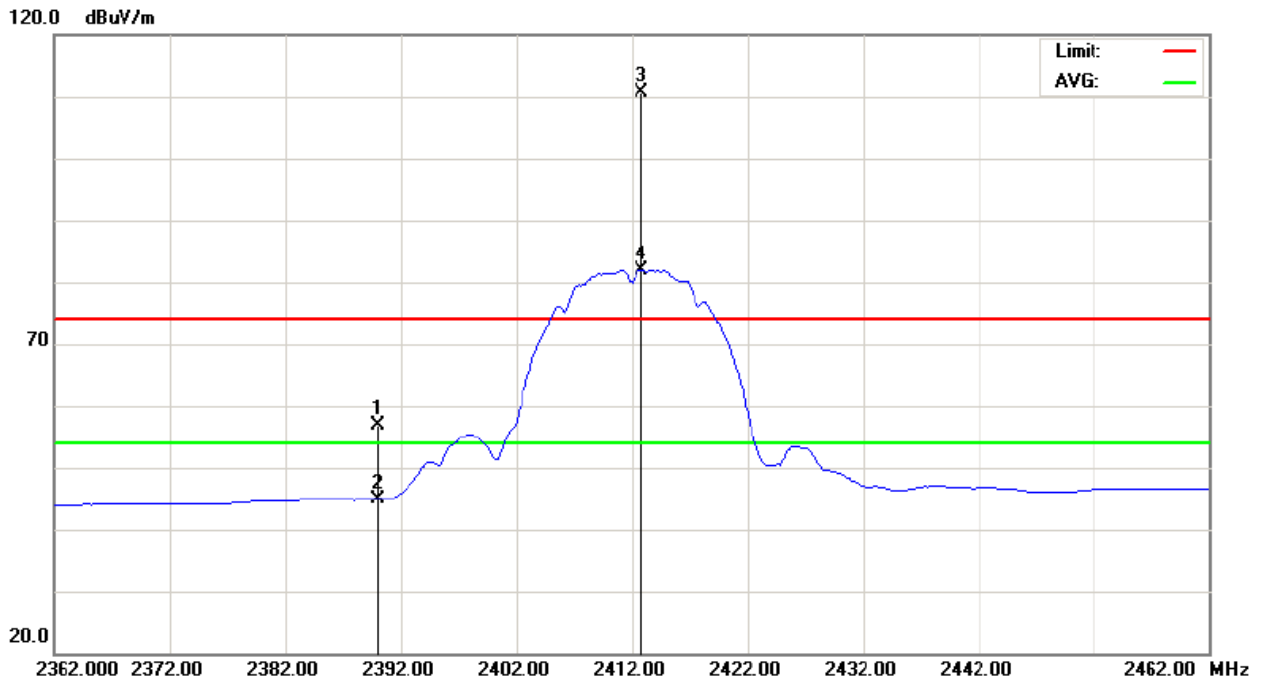
Freq. (MHz)	Ant.Pol. H/V	Reading		Ant./CF CF(dB)	Act.		Limit		Note
		Peak (dBuV)	AV (dBuV)		Peak (dBuV/m)	AV (dBuV/m)	Peak (dBuV/m)	AV (dBuV/m)	
2390.00	H	24.82	12.96	31.94	56.76	44.90	74.00	54.00	CH01
2483.50	H	24.63	14.17	32.37	57.00	46.54	74.00	54.00	CH11

Remark :

- (1) Spectrum Setting : 30MHz – 1000MHz , RBW= 100KHz, VBW=100KHz, Sweep time = 200 ms. 1GHz- 25GHz, RBW= 1MHz, VBW= 1MHz, Sweep time = Auto
- (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) EUT Orthogonal Axes :
 "X" - denotes Laid on Table ; "Y" - denotes Vertical Stand ; "Z" - denotes Side Stand



Sample 1_802.11b_CH01, CH11 (Restricted Bands Requirements, Horizontal)





EUT :	Handheld Terminal	Model Name :	P235
Temperature :	24 °C	Relative Humidity :	51%
Test Voltage :	AC 120V/60Hz		
Test Mode :	Sample 1_802.11g_CH01, CH11 (ADAPTER : CAP011051) (Vertical)		
Note :	<p>The emission of the carrier radiated field strength is measured for CH01, CH11 (Peak and AV) as following:</p> <ol style="list-style-type: none"> 1. The transmitter was then configured with the worst case antenna and setup to transmit at the lowest channel (CH01). Then the field strength was measured at 2310-2390 MHz. 2. The transmitter was configured with the worst case antenna and setup to transmit at the highest channel (CH11). Then the field strength was measured at 2483.5-2500 MHz. 		

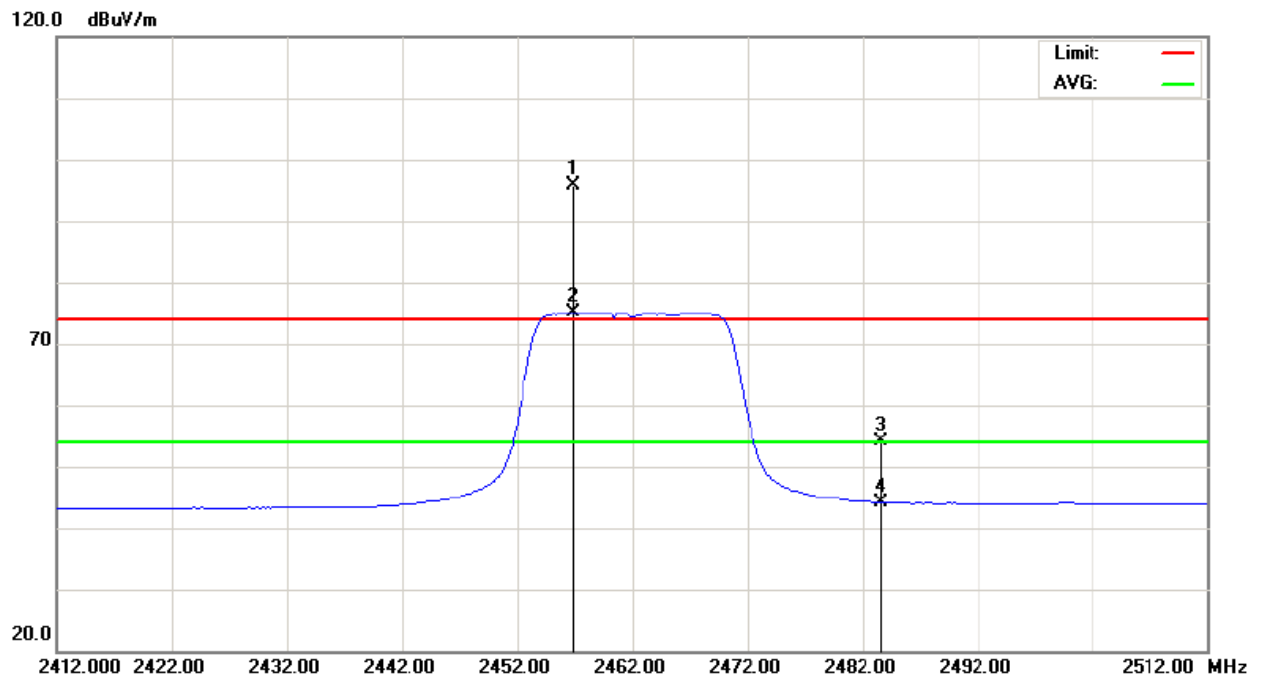
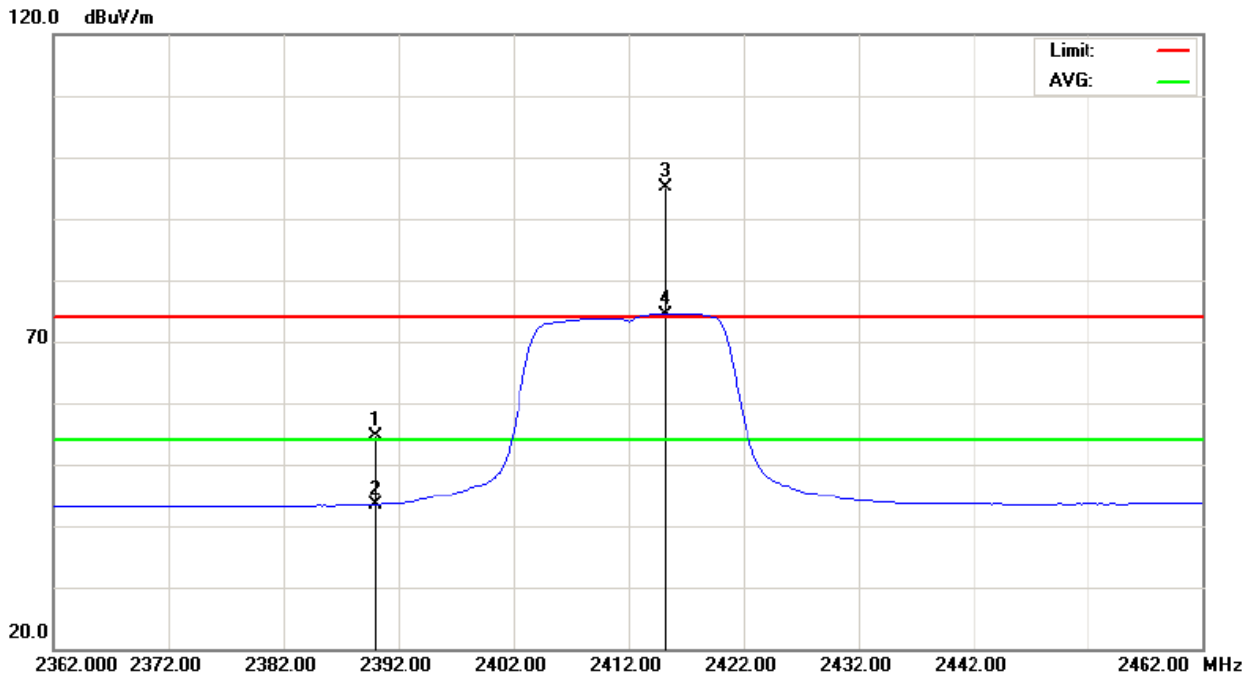
Freq. (MHz)	Ant.Pol. H/V	Reading		Ant./CF CF(dB)	Act.		Limit		Note
		Peak (dBuV)	AV (dBuV)		Peak (dBuV/m)	AV (dBuV/m)	Peak (dBuV/m)	AV (dBuV/m)	
2390.00	V	22.78	11.51	31.94	54.72	43.45	74.00	54.00	CH01
2483.50	V	21.78	11.75	32.37	54.15	44.12	74.00	54.00	CH11

Remark :

- (1) Spectrum Setting : 30MHz – 1000MHz , RBW= 100KHz, VBW=100KHz, Sweep time = 200 ms. 1GHz- 25GHz, RBW= 1MHz, VBW= 1MHz, Sweep time = Auto
- (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) EUT Orthogonal Axes :
 "X" - denotes Laid on Table ; "Y" - denotes Vertical Stand ; "Z" - denotes Side Stand



Sample 1_802.11g_CH01, CH11 (Restricted Bands Requirements, Vertical)





EUT :	Handheld Terminal	Model Name :	P235
Temperature :	24 ° C	Relative Humidity :	51%
Test Voltage :	AC 120V/60Hz		
Test Mode :	Sample 1_802.11g_CH01, CH11 (ADAPTER : CAP011051) (Horizontal)		
Note :	<p>The emission of the carrier radiated field strength is measured for CH01, CH11 (Peak and AV) as following:</p> <ol style="list-style-type: none"> 1. The transmitter was then configured with the worst case antenna and setup to transmit at the lowest channel (CH01). Then the field strength was measured at 2310-2390 MHz. 2. The transmitter was configured with the worst case antenna and setup to transmit at the highest channel (CH11). Then the field strength was measured at 2483.5-2500 MHz. 		

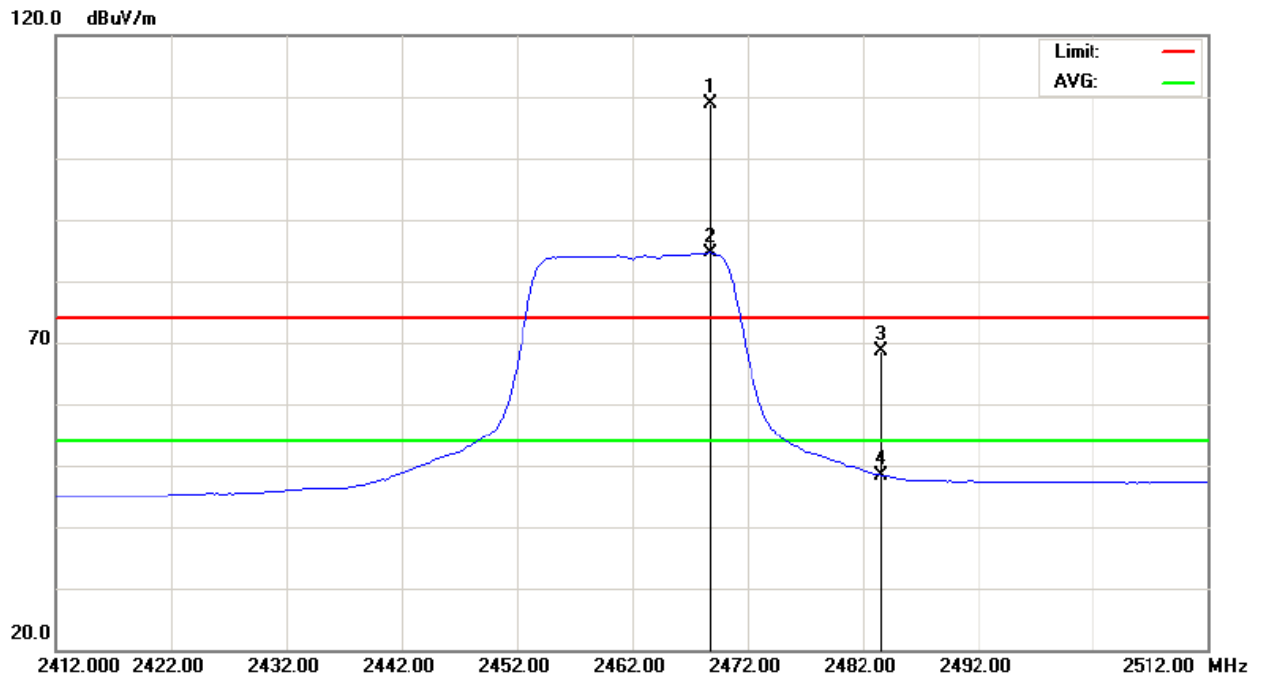
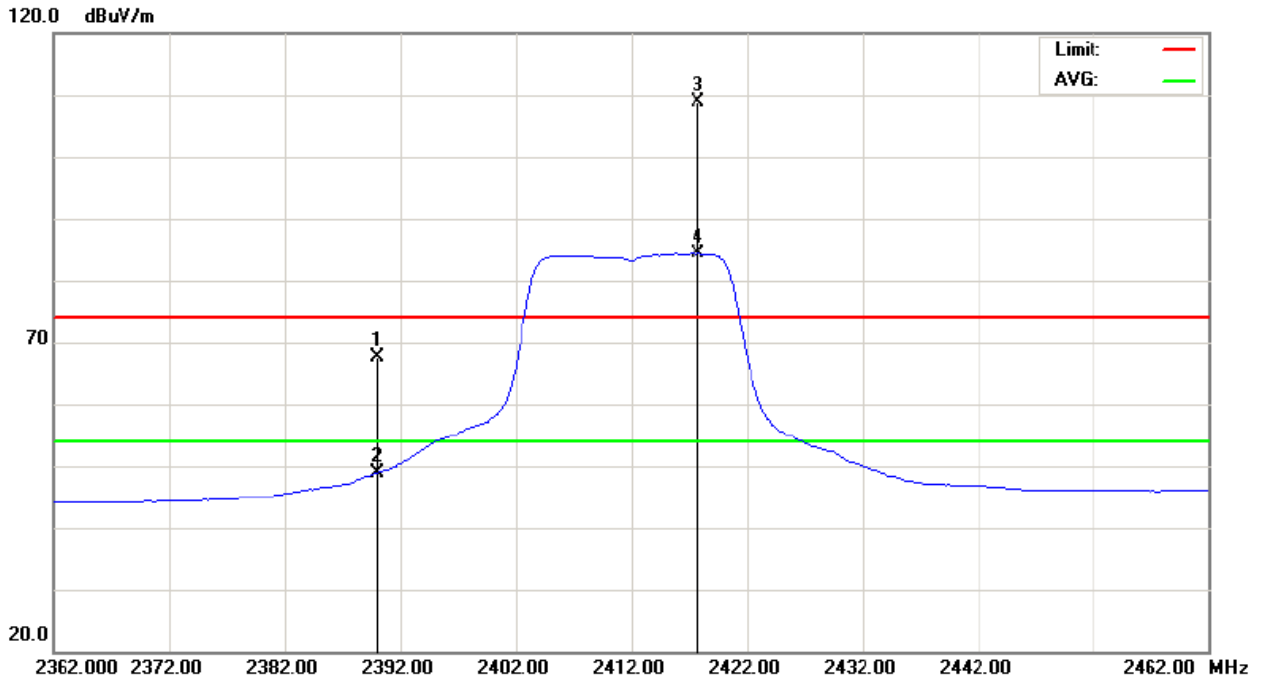
Freq. (MHz)	Ant.Pol. H/V	Reading		Ant./CF CF(dB)	Act.		Limit		Note
		Peak (dBuV)	AV (dBuV)		Peak (dBuV/m)	AV (dBuV/m)	Peak (dBuV/m)	AV (dBuV/m)	
2390.00	H	35.63	16.92	31.94	67.57	48.86	74.00	54.00	CH01
2483.50	H	36.36	16.10	32.37	68.73	48.47	74.00	54.00	CH11

Remark :

- (1) Spectrum Setting : 30MHz – 1000MHz , RBW= 100KHz, VBW=100KHz, Sweep time = 200 ms. 1GHz- 25GHz, RBW= 1MHz, VBW= 1MHz, Sweep time = Auto
- (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) EUT Orthogonal Axes :
 "X" - denotes Laid on Table ; "Y" - denotes Vertical Stand ; "Z" - denotes Side Stand



Sample 1_802.11g_CH01, CH11 (Restricted Bands Requirements, Horizontal)





EUT :	Handheld Terminal	Model Name :	P235
Temperature :	24 ° C	Relative Humidity :	51%
Test Voltage :	AC 120V/60Hz		
Test Mode :	Sample 2_802.11b_CH01, CH11 (ADAPTER : CAP011051) (Vertical)		
Note :	<p>The emission of the carrier radiated field strength is measured for CH01, CH11 (Peak and AV) as following:</p> <ol style="list-style-type: none"> 1. The transmitter was then configured with the worst case antenna and setup to transmit at the lowest channel (CH01). Then the field strength was measured at 2310-2390 MHz. 2. The transmitter was configured with the worst case antenna and setup to transmit at the highest channel (CH11). Then the field strength was measured at 2483.5-2500 MHz. 		

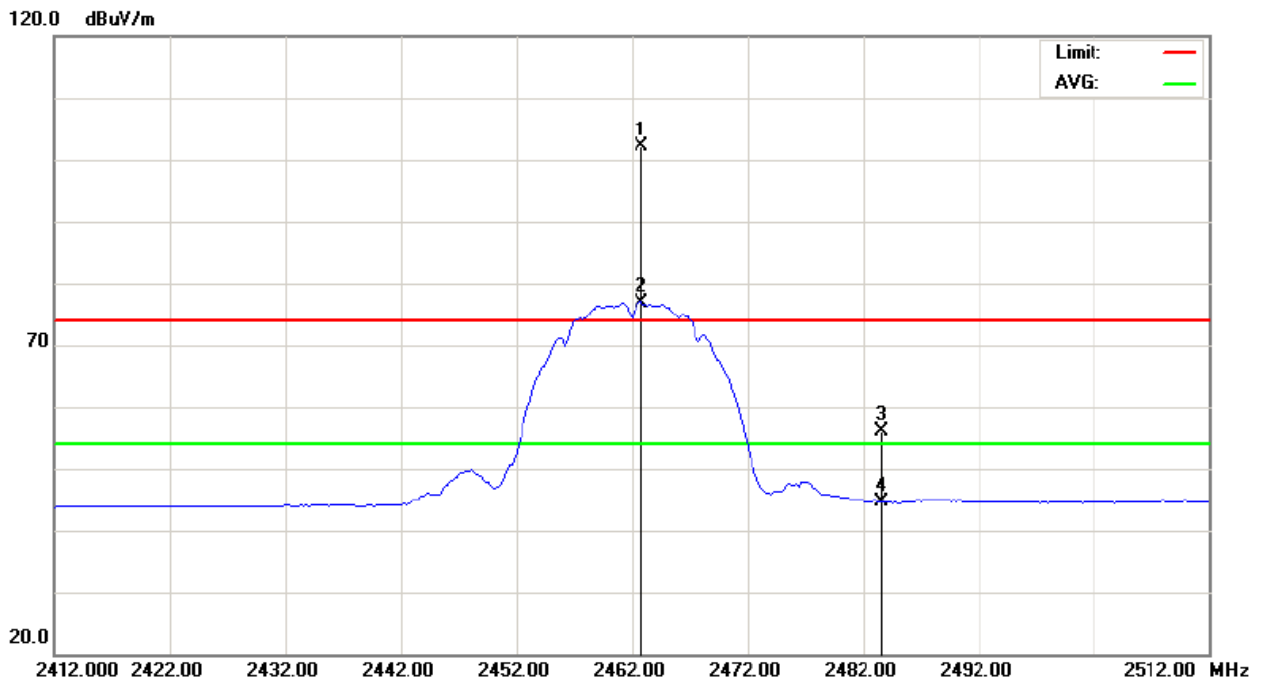
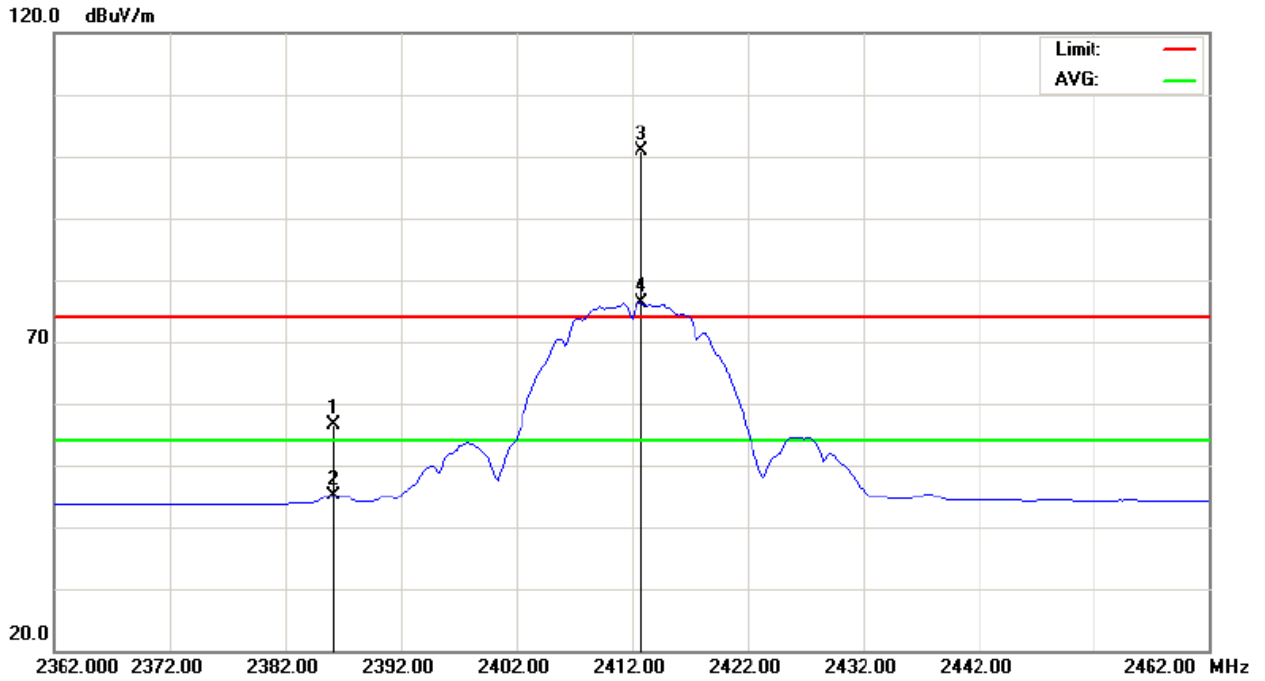
Freq. (MHz)	Ant.Pol. H/V	Reading		Ant./CF CF(dB)	Act.		Limit		Note
		Peak (dBuV)	AV (dBuV)		Peak (dBuV/m)	AV (dBuV/m)	Peak (dBuV/m)	AV (dBuV/m)	
2386.20	V	24.74	13.25	31.92	56.66	45.17	74.00	54.00	CH01
2483.50	V	23.78	12.35	32.37	56.15	44.72	74.00	54.00	CH11

Remark :

- (1) Spectrum Setting : 30MHz – 1000MHz , RBW= 100KHz, VBW=100KHz, Sweep time = 200 ms. 1GHz- 25GHz, RBW= 1MHz, VBW= 1MHz, Sweep time = Auto
- (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) EUT Orthogonal Axes :
 "X" - denotes Laid on Table ; "Y" - denotes Vertical Stand ; "Z" - denotes Side Stand



Sample 2_802.11b_CH01, CH11 (Restricted Bands Requirements, Vertical)





EUT :	Handheld Terminal	Model Name :	P235
Temperature :	24 °C	Relative Humidity :	51%
Test Voltage :	AC 120V/60Hz		
Test Mode :	Sample 2_802.11b_CH01, CH11 (ADAPTER : CAP011051) (Horizontal)		
Note :	<p>The emission of the carrier radiated field strength is measured for CH01, CH11 (Peak and AV) as following:</p> <ol style="list-style-type: none"> 1. The transmitter was then configured with the worst case antenna and setup to transmit at the lowest channel (CH01). Then the field strength was measured at 2310-2390 MHz. 2. The transmitter was configured with the worst case antenna and setup to transmit at the highest channel (CH11). Then the field strength was measured at 2483.5-2500 MHz. 		

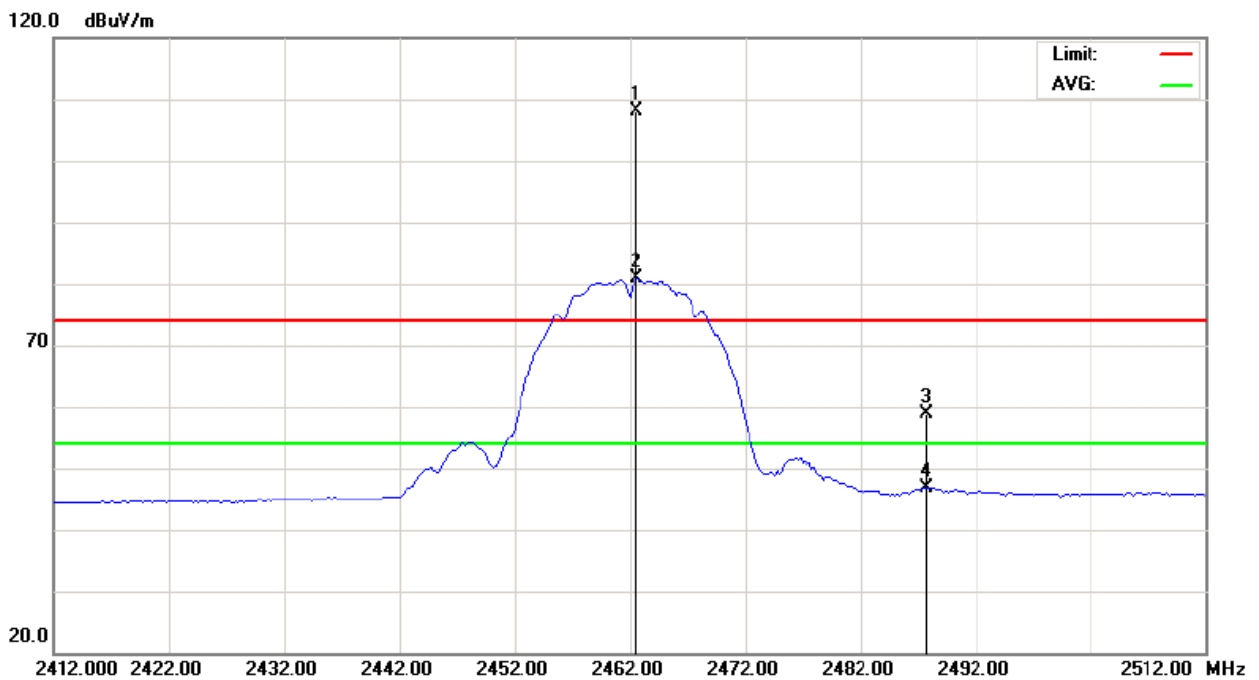
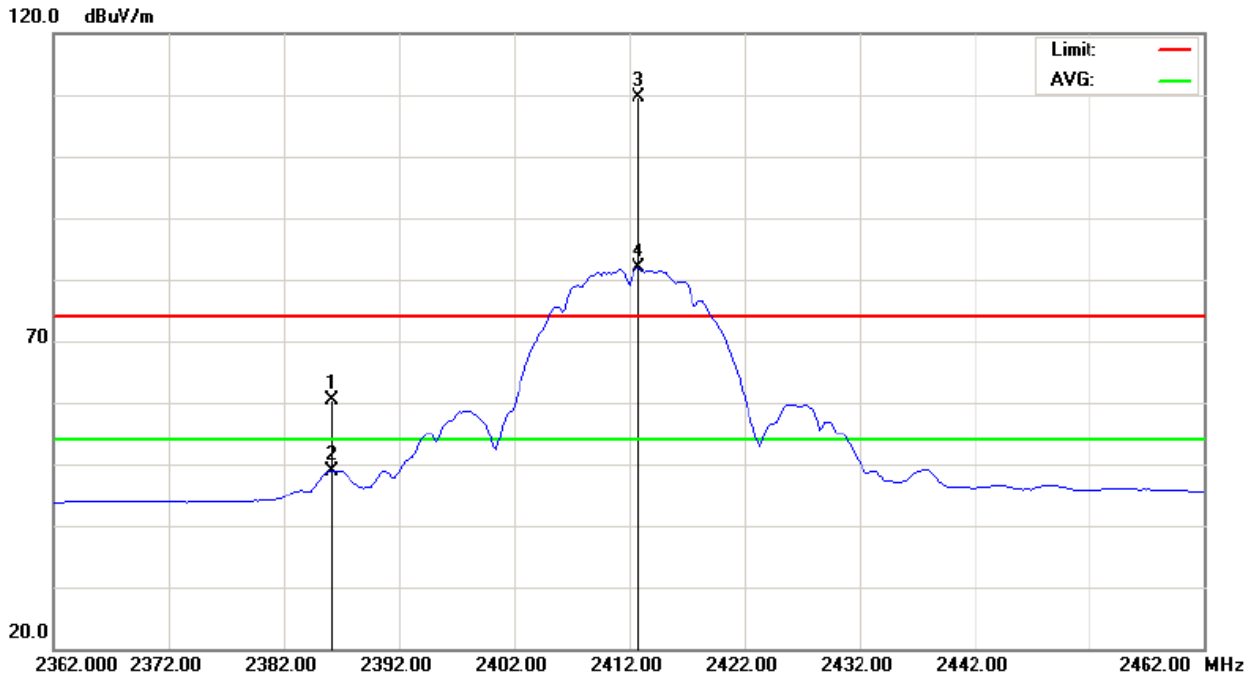
Freq. (MHz)	Ant.Pol. H/V	Reading		Ant./CF CF(dB)	Act.		Limit		Note
		Peak (dBuV)	AV (dBuV)		Peak (dBuV/m)	AV (dBuV/m)	Peak (dBuV/m)	AV (dBuV/m)	
2386.20	H	28.56	17.07	31.92	60.48	48.99	74.00	54.00	CH01
2487.70	H	26.56	14.38	32.39	58.95	46.77	74.00	54.00	CH11

Remark :

- (1) Spectrum Setting : 30MHz – 1000MHz , RBW= 100KHz, VBW=100KHz, Sweep time = 200 ms. 1GHz- 25GHz, RBW= 1MHz, VBW= 1MHz, Sweep time = Auto
- (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) EUT Orthogonal Axes :
 "X" - denotes Laid on Table ; "Y" - denotes Vertical Stand ; "Z" - denotes Side Stand



Sample 2_802.11b_CH01, CH11 (Restricted Bands Requirements, Horizontal)





EUT :	Handheld Terminal	Model Name :	P235
Temperature :	24 °C	Relative Humidity :	51%
Test Voltage :	AC 120V/60Hz		
Test Mode :	Sample 2_802.11g_CH01, CH11 (ADAPTER : CAP011051) (Vertical)		
Note :	<p>The emission of the carrier radiated field strength is measured for CH01, CH11 (Peak and AV) as following:</p> <ol style="list-style-type: none"> 1. The transmitter was then configured with the worst case antenna and setup to transmit at the lowest channel (CH01). Then the field strength was measured at 2310-2390 MHz. 2. The transmitter was configured with the worst case antenna and setup to transmit at the highest channel (CH11). Then the field strength was measured at 2483.5-2500 MHz. 		

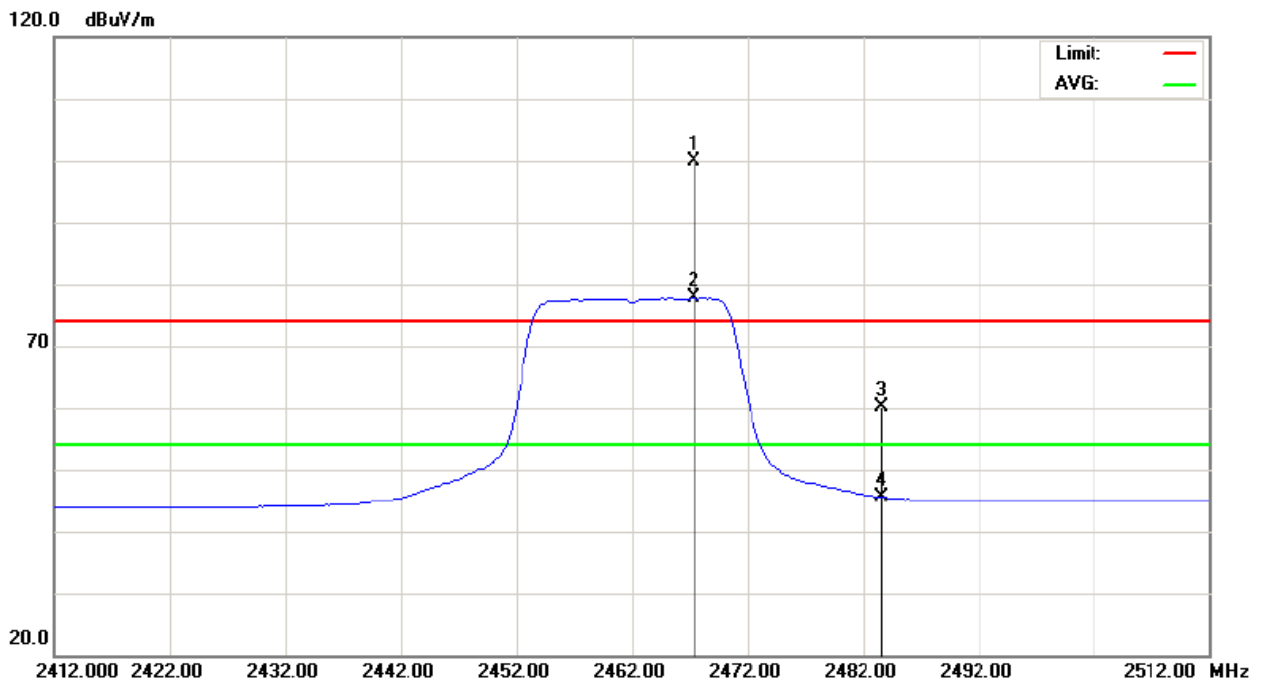
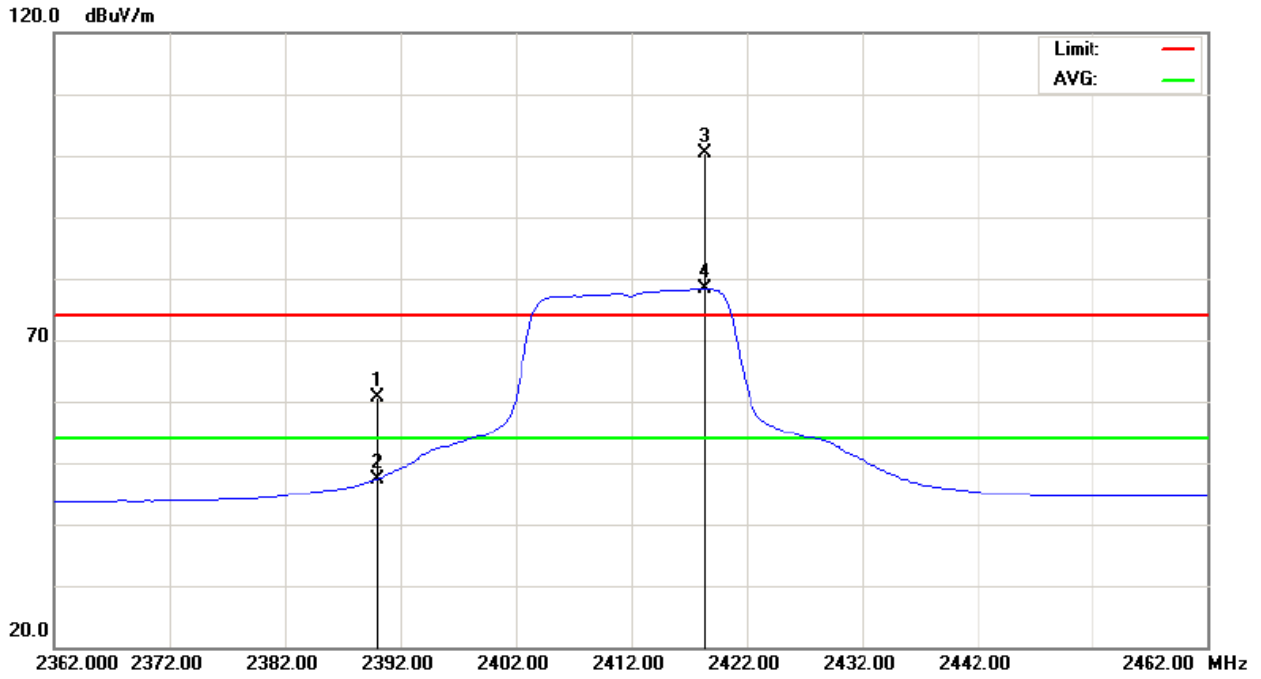
Freq. (MHz)	Ant.Pol. H/V	Reading		Ant./CF CF(dB)	Act.		Limit		Note
		Peak (dBuV)	AV (dBuV)		Peak (dBuV/m)	AV (dBuV/m)	Peak (dBuV/m)	AV (dBuV/m)	
2390.00	V	28.60	15.47	31.94	60.54	47.41	74.00	54.00	CH01
2483.50	V	27.84	13.24	32.37	60.21	45.61	74.00	54.00	CH11

Remark :

- (1) Spectrum Setting : 30MHz – 1000MHz , RBW= 100KHz, VBW=100KHz, Sweep time = 200 ms. 1GHz- 25GHz, RBW= 1MHz, VBW= 1MHz, Sweep time = Auto
- (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) EUT Orthogonal Axes :
 "X" - denotes Laid on Table ; "Y" - denotes Vertical Stand ; "Z" - denotes Side Stand



Sample 2_802.11g_CH01, CH11 (Restricted Bands Requirements, Vertical)





EUT :	Handheld Terminal	Model Name :	P235
Temperature :	24 ° C	Relative Humidity :	51%
Test Voltage :	AC 120V/60Hz		
Test Mode :	Sample 2_802.11g_CH01, CH11 (ADAPTER : CAP011051) (Horizontal)		
Note :	<p>The emission of the carrier radiated field strength is measured for CH01, CH11 (Peak and AV) as following:</p> <ol style="list-style-type: none"> 1. The transmitter was then configured with the worst case antenna and setup to transmit at the lowest channel (CH01). Then the field strength was measured at 2310-2390 MHz. 2. The transmitter was configured with the worst case antenna and setup to transmit at the highest channel (CH11). Then the field strength was measured at 2483.5-2500 MHz. 		

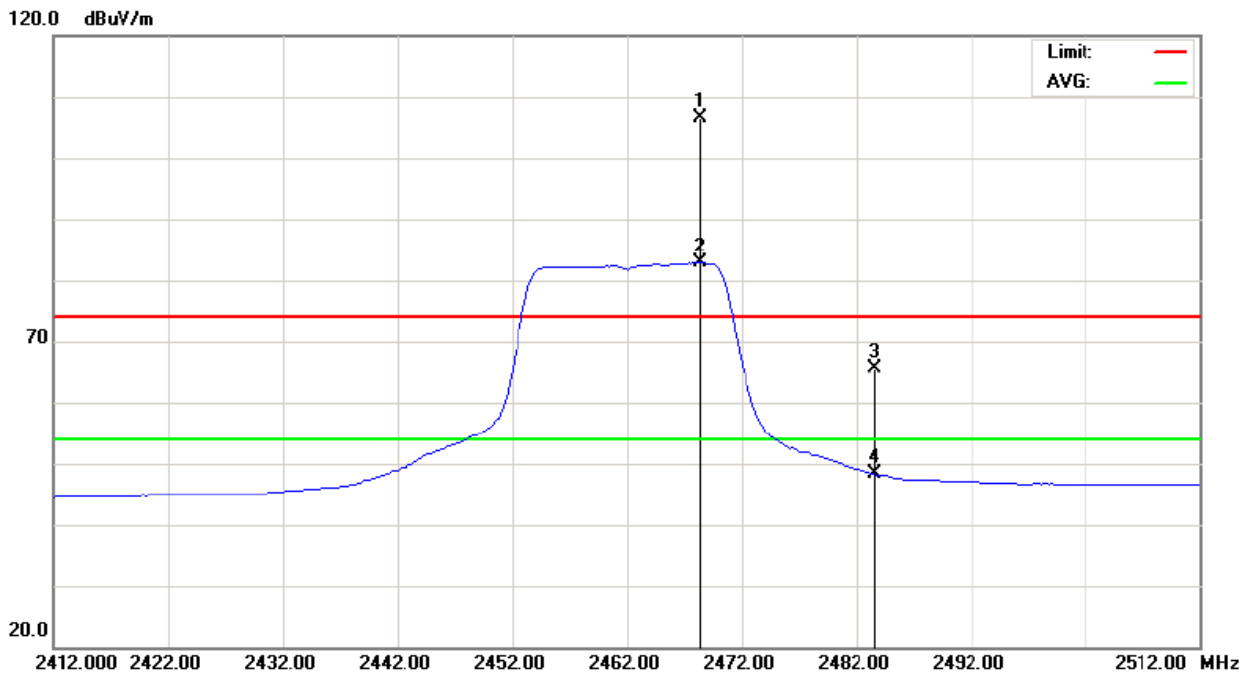
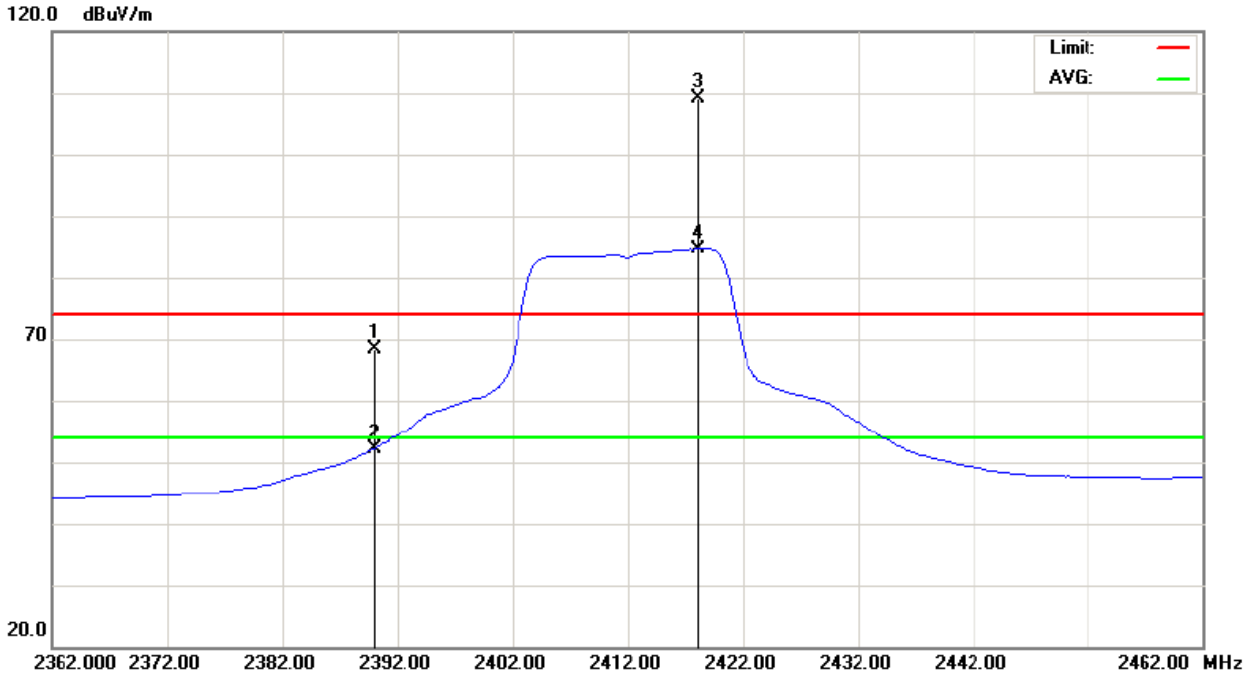
Freq. (MHz)	Ant.Pol. H/V	Reading		Ant./CF CF(dB)	Act.		Limit		Note
		Peak (dBuV)	AV (dBuV)		Peak (dBuV/m)	AV (dBuV/m)	Peak (dBuV/m)	AV (dBuV/m)	
2390.00	H	36.41	20.27	31.94	68.35	52.21	74.00	54.00	CH01
2483.50	H	33.21	15.99	32.37	65.58	48.36	74.00	54.00	CH11

Remark :

- (1) Spectrum Setting : 30MHz – 1000MHz , RBW= 100KHz, VBW=100KHz, Sweep time = 200 ms. 1GHz- 25GHz, RBW= 1MHz, VBW= 1MHz, Sweep time = Auto
- (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) EUT Orthogonal Axes :
 "X" - denotes Laid on Table ; "Y" - denotes Vertical Stand ; "Z" - denotes Side Stand



Sample 2_802.11g_CH01, CH11 (Restricted Bands Requirements, Horizontal)





5. BANDWIDTH TEST

5.1 APPLIED PROCEDURES / LIMIT

FCC Part15, Subpart C			
Test Item	Limit	Frequency Range (MHz)	Result
Bandwidth	>= 500KHz (6dB bandwidth)	2400-2483.5	PASS

5.1.1 MEASUREMENT INSTRUMENTS LIST

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP-40	100129	Aug. 31, 2011

Remark: " N/A" denotes No Model Name , Serial No. or No Calibration specified.

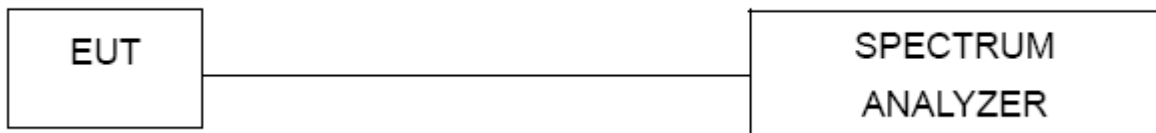
5.1.2 TEST PROCEDURE

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

5.1.3 DEVIATION FROM STANDARD

No deviation.

5.1.4 TEST SETUP



5.1.5 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 4.2.6 Unless otherwise a special operating condition is specified in the follows during the testing.
Chip antenna measurement result.

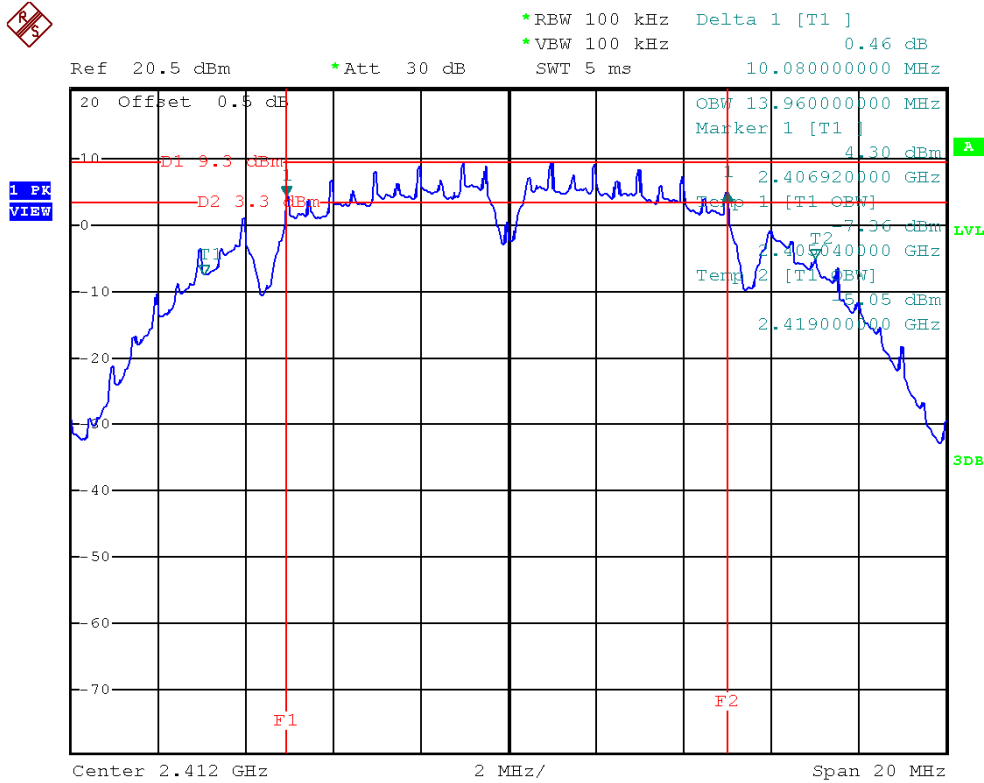


5.1.6 TEST RESULTS

EUT :	Handheld Terminal	Model Name :	P235
Temperature :	17 °C	Relative Humidity :	89%
Test Voltage :	AC 120V/60Hz		
Test Mode :	Sample 1&2_802.11b_CH01, CH06, CH11 (ADAPTER : CAP011051)		

Test Channel	Frequency (MHz)	Bandwidth (MHz)	99% Occupied Bandwidth (MHz)	LIMIT (MHz)
CH01	2412	10.08	13.96	>=500KHz
CH06	2437	10.08	13.80	>=500KHz
CH11	2462	10.08	13.88	>=500KHz

Sample 1&2_802.11b_CH01

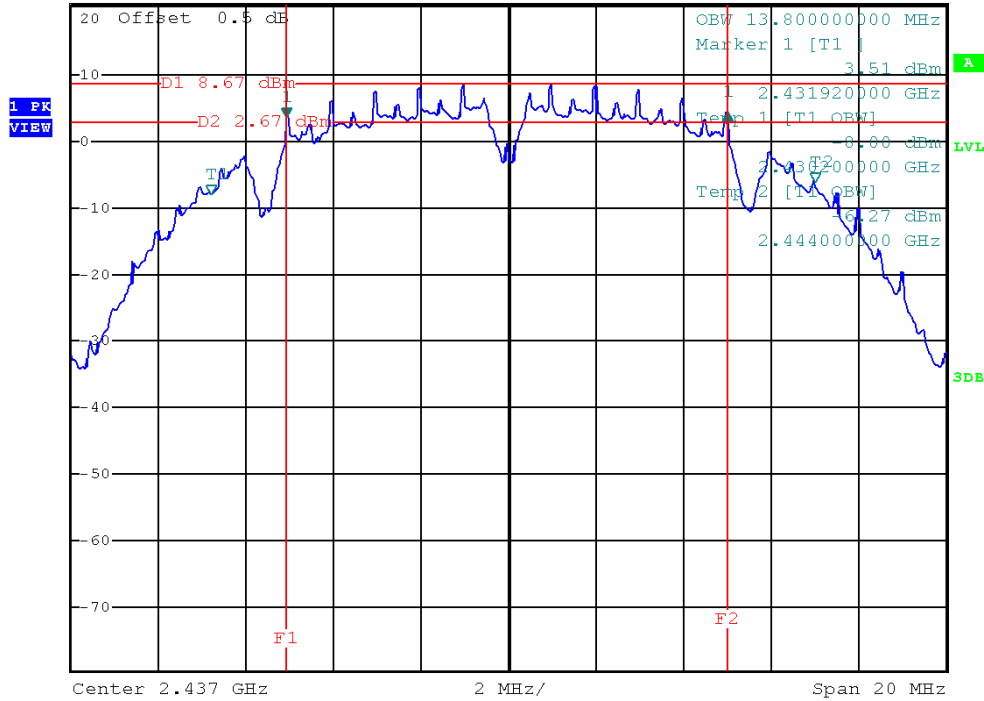




Sample 1&2_802.11b_CH06



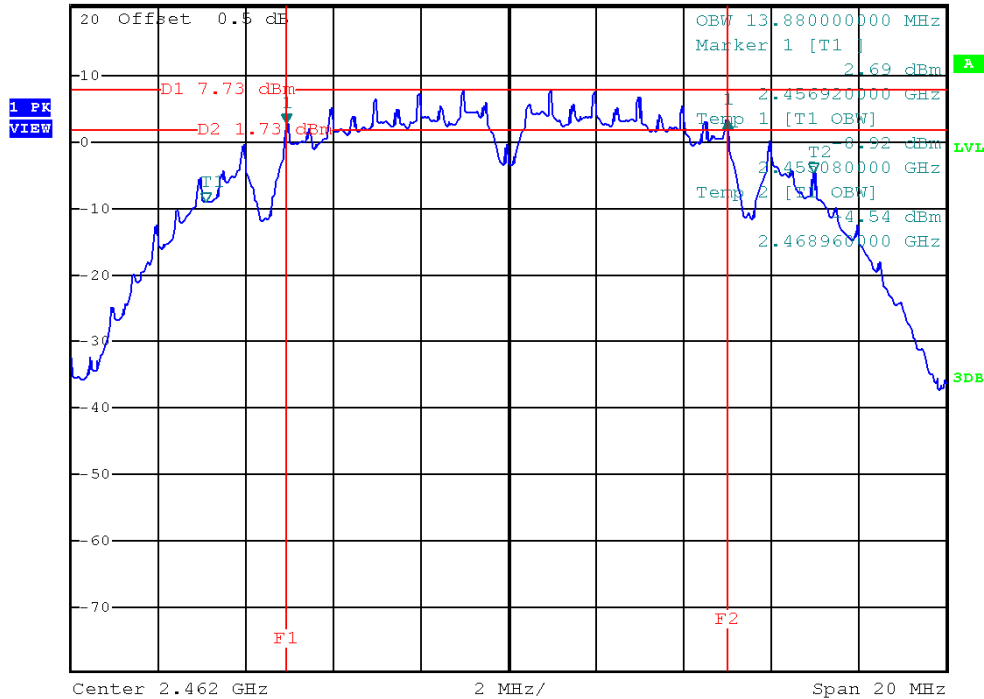
*RBW 100 kHz Delta 1 [T1]
*VBW 100 kHz 0.74 dB
Ref 20.5 dBm *Att 30 dB SWT 5 ms 10.080000000 MHz



Sample 1&2_802.11b_CH11



*RBW 100 kHz Delta 1 [T1]
*VBW 100 kHz 0.55 dB
Ref 20.5 dBm *Att 30 dB SWT 5 ms 10.080000000 MHz

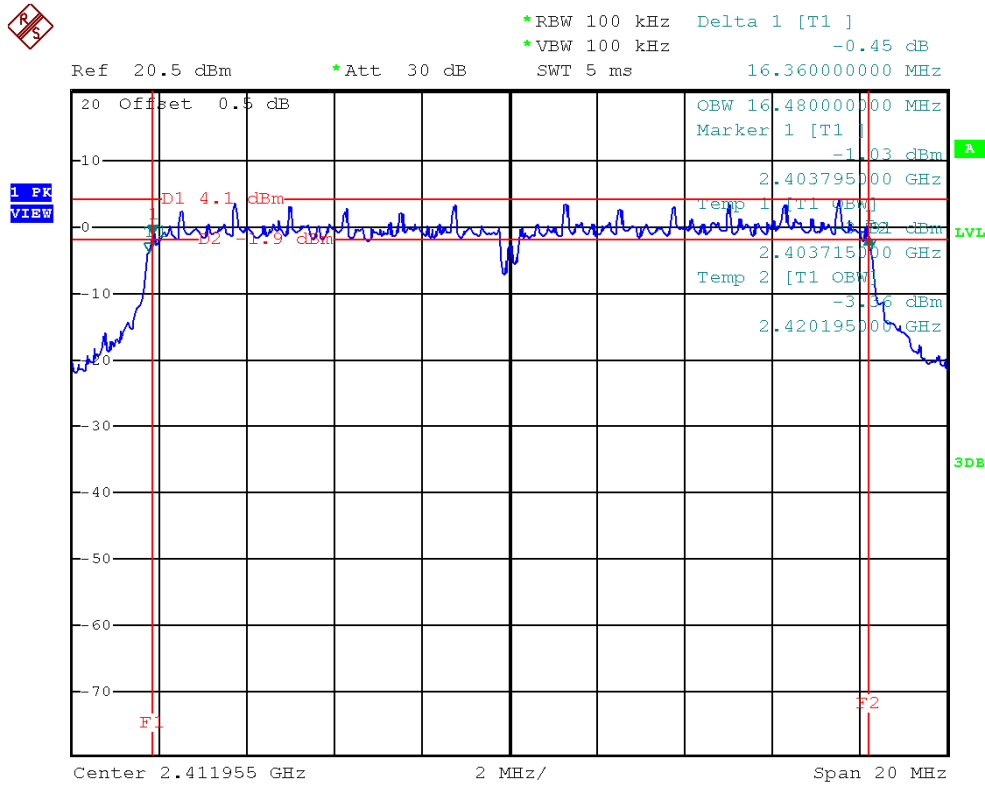




EUT :	Handheld Terminal	Model Name :	P235
Temperature :	17 °C	Relative Humidity :	89%
Test Voltage :	AC 120V/60Hz		
Test Mode :	Sample 1&2_802.11g_CH01, CH06, CH11 (ADAPTER : CAP011051)		

Test Channel	Frequency (MHz)	Bandwidth (MHz)	99% Occupied Bandwidth (MHz)	LIMIT (MHz)
CH01	2412	16.36	16.48	>=500KHz
CH06	2437	16.36	16.48	>=500KHz
CH11	2462	16.36	16.48	>=500KHz

Sample 1&2_802.11g_CH01

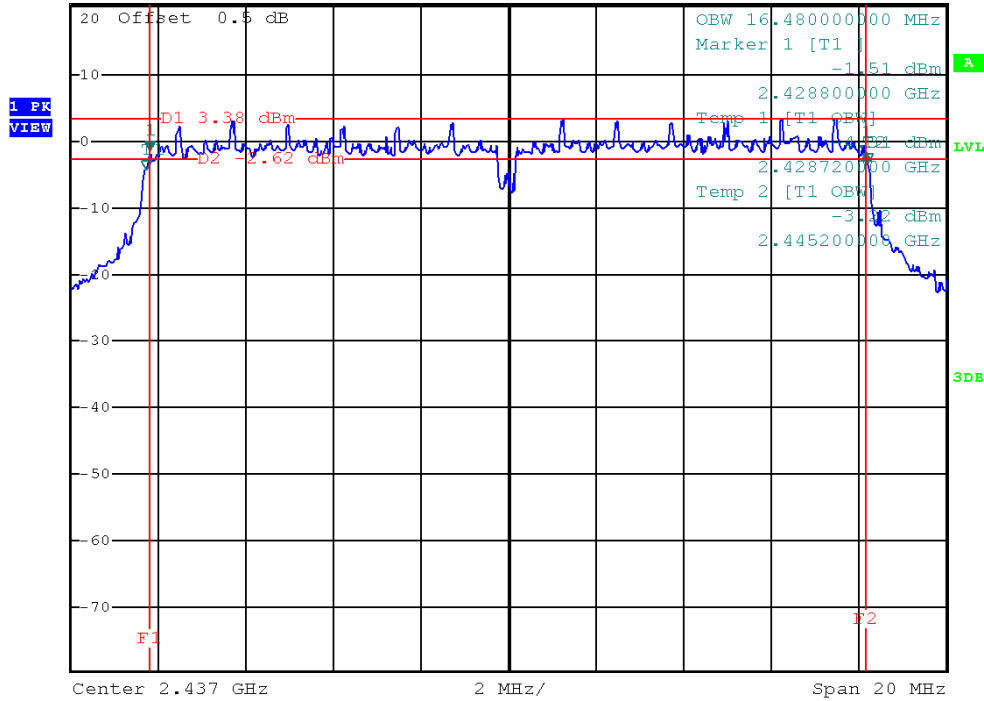




Sample 1&2_802.11g_CH06



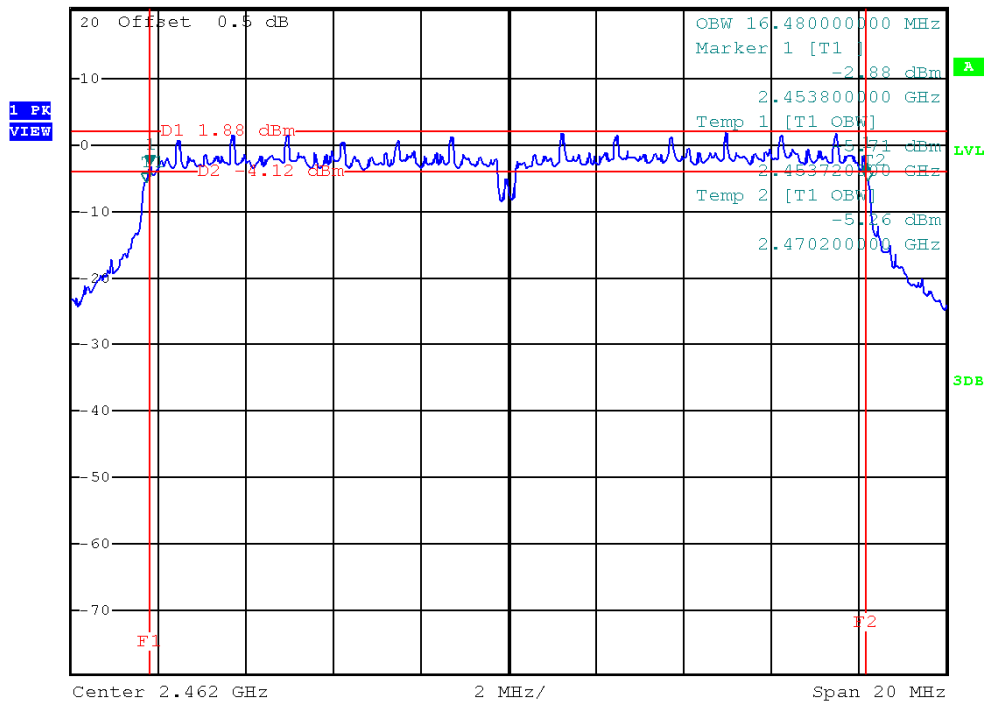
*RBW 100 kHz Delta 1 [T1]
*VBW 100 kHz -0.10 dB
Ref 20.5 dBm *Att 30 dB SWT 5 ms 16.360000000 MHz



Sample 1&2_802.11g_CH11



*RBW 100 kHz Delta 1 [T1]
*VBW 100 kHz 0.12 dB
Ref 20.5 dBm *Att 30 dB SWT 5 ms 16.360000000 MHz





6. PEAK OUTPUT POWER TEST

6.1 APPLIED PROCEDURES / LIMIT

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

6.1.1 MEASUREMENT INSTRUMENTS LIST

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Power Meter	Anritsu	ML2487A	6K00004714	Feb. 10, 2011
2	Power Meter Sensor	Anritsu	MA2491A	34138	Feb. 10, 2011

Remark: " N/A" denotes No Model Name , Serial No. or No Calibration specified.

6.1.2 TEST PROCEDURE

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

6.1.3 DEVIATION FROM STANDARD

No deviation.

6.1.4 TEST SETUP



6.1.5 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 4.2.6 Unless otherwise a special operating condition is specified in the follows during the testing.
Chip antenna measurement result.



6.1.6 TEST RESULTS

EUT :	Handheld Terminal	Model Name :	P235
Temperature :	17 °C	Relative Humidity :	89%
Test Voltage :	AC 120V/60Hz		
Test Mode :	Sample 1&2_802.11b_CH01, CH06, CH11 (ADAPTER : CAP011051)		

Test Channel	Frequency (MHz)	Peak Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH01	2412	20.13	30	1
CH06	2437	19.91	30	1
CH11	2462	19.67	30	1

EUT :	Handheld Terminal	Model Name :	P235
Temperature :	17 °C	Relative Humidity :	89%
Test Voltage :	AC 120V/60Hz		
Test Mode :	Sample 1&2_802.11g_CH01, CH06, CH11 (ADAPTER : CAP011051)		

Test Channel	Frequency (MHz)	Peak Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH01	2412	22.98	30	1
CH06	2437	22.82	30	1
CH11	2462	22.15	30	1



7. ANTENNA CONDUCTED SPURIOUS EMISSION

7.1 APPLIED PROCEDURES / LIMIT

FCC Part15, Subpart C			
Test Item	Limit	Frequency Range (MHz)	Result
Antenna conducted Spurious Emission	20dB less than the peak value of fundamental frequency	30-25000	PASS

7.1.1 MEASUREMENT INSTRUMENTS LIST

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP-40	100129	Aug. 31, 2011

Remark: " N/A" denotes No Model Name , Serial No. or No Calibration specified.

7.1.2 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=100KHz, Sweep time = Auto.

7.1.3 DEVIATION FROM STANDARD

No deviation.

7.1.4 TEST SETUP



7.1.5 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 4.2.6 Unless otherwise a special operating condition is specified in the follows during the testing.
Chip antenna measurement result.



7.1.6 TEST RESULTS

EUT :	Handheld Terminal	Model Name :	P235
Temperature :	17 °C	Relative Humidity :	89%
Test Voltage :	AC 120V/60Hz		
Test Mode :	Sample 1&2_802.11b_CH01, CH11 (ADAPTER : CAP011051)		

Channel of Worst Data: CH01,CH11			
The max. radio frequency power in any 100kHz bandwidth outside the frequency band		The max. radio frequency power in any 100 kHz bandwidth within the frequency band.	
FREQUENCY(MHz)	POWER(dBm)	FREQUENCY(MHz)	POWER(dBm)
2386.0	-41.30	2486.3	-46.63
Result			
In any 100kHz bandwidth outside the frequency band, the radio frequency power is at least 20dB below that in the 100kHz bandwidth within the band that contains the highest level of the desired power.			

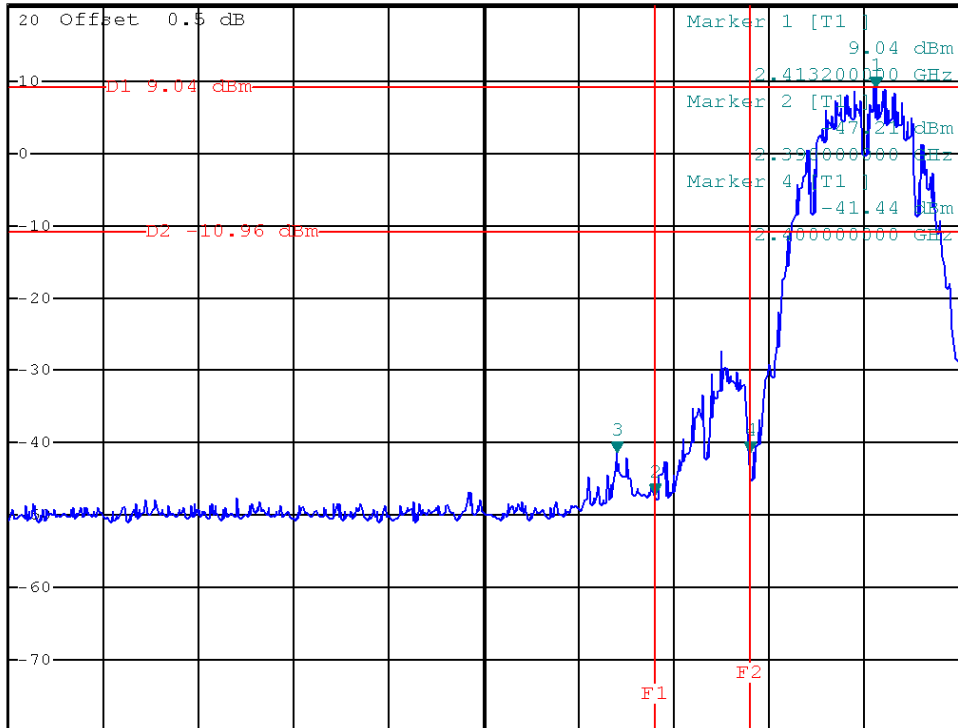


Sample 1&2_802.11b_CH01



*RBW 100 kHz Marker 3 [T1] -41.30 dBm
*VBW 100 kHz
SWT 10 ms 2.386000000 GHz

Ref 20.5 dBm *Att 30 dB



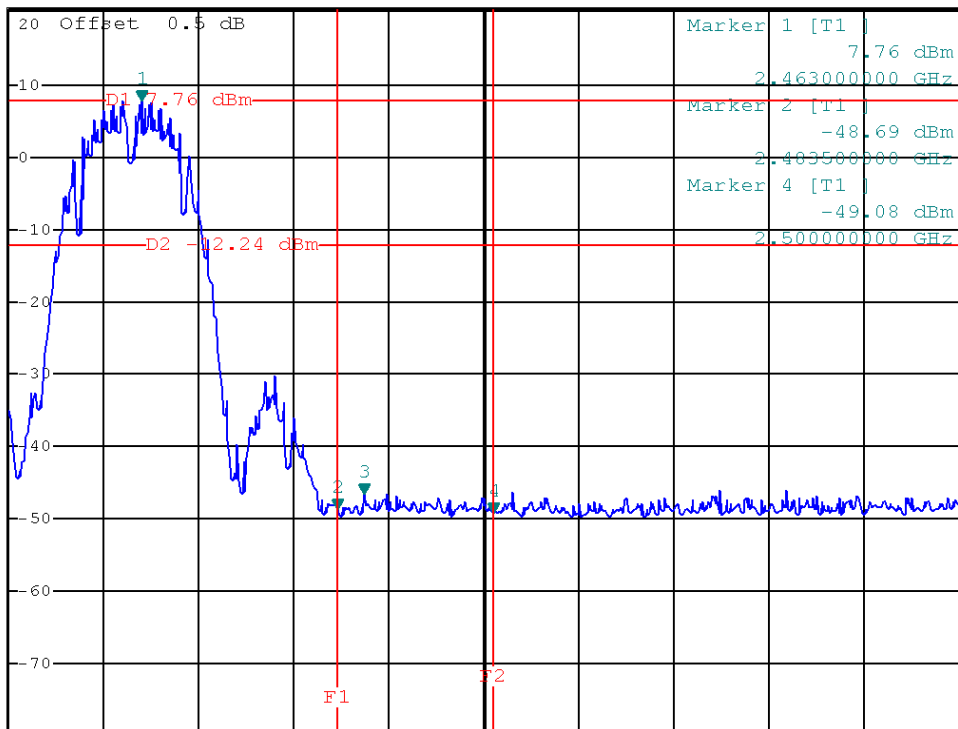
Center 2.372 GHz 10 MHz/ Span 100 MHz

Sample 1&2_802.11b_CH11



*RBW 100 kHz Marker 3 [T1] -46.63 dBm
*VBW 100 kHz
SWT 10 ms 2.486300000 GHz

Ref 20.5 dBm *Att 30 dB



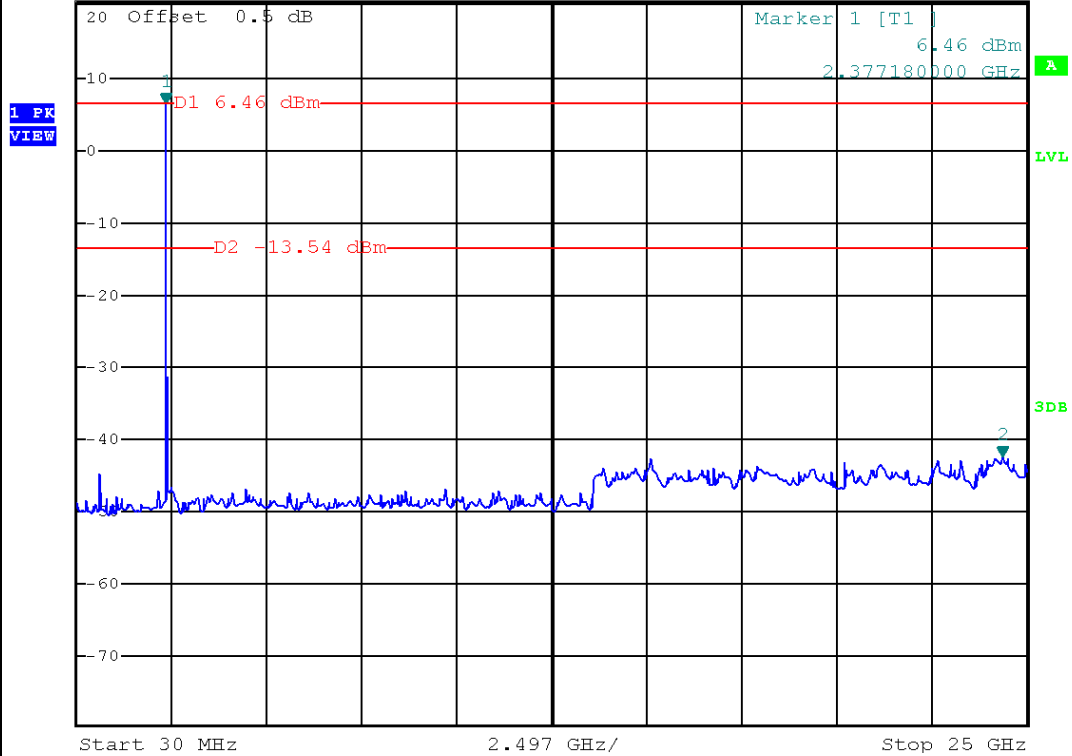
Center 2.499 GHz 10 MHz/ Span 100 MHz



Sample 1&2_802.11b_CH01



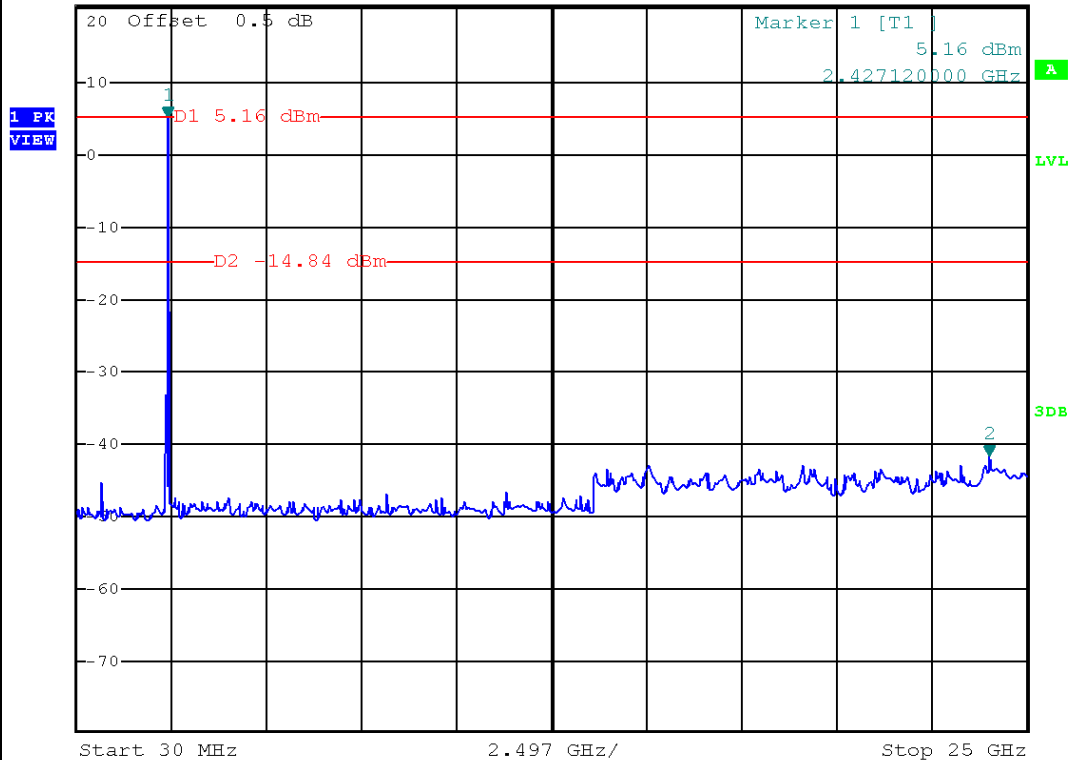
Ref 20.5 dBm *Att 30 dB SWT 2.5 s
*RBW 100 kHz Marker 2 [T1] -42.38 dBm
*VBW 100 kHz 24.350780000 GHz

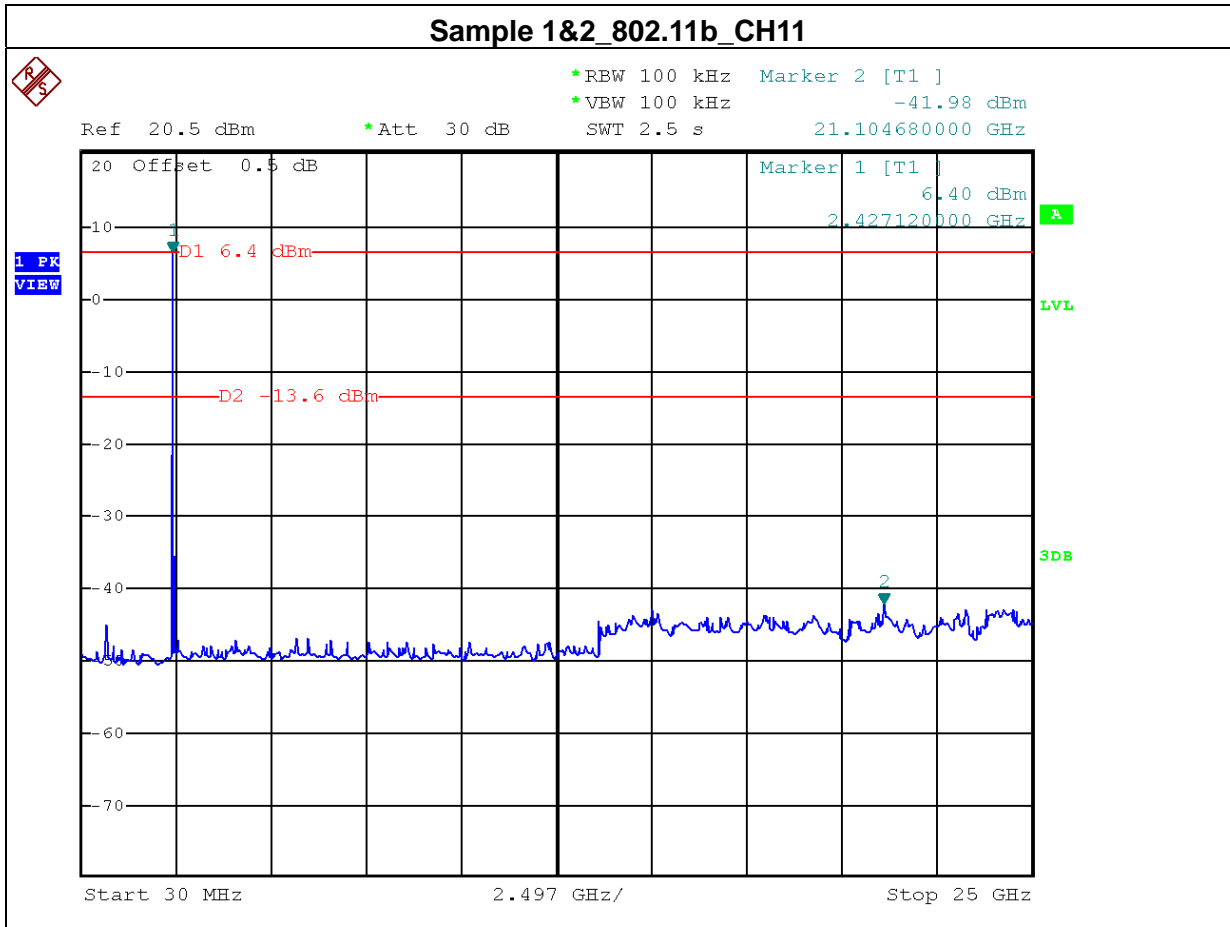


Sample 1&2_802.11b_CH06



Ref 20.5 dBm *Att 30 dB SWT 2.5 s
*RBW 100 kHz Marker 2 [T1] -41.67 dBm
*VBW 100 kHz 24.001200000 GHz







EUT :	Handheld Terminal	Model Name :	P235
Temperature :	17 °C	Relative Humidity :	89%
Test Voltage :	AC 120V/60Hz		
Test Mode :	Sample 1&2_802.11g_CH01, CH11 (ADAPTER : CAP011051)		

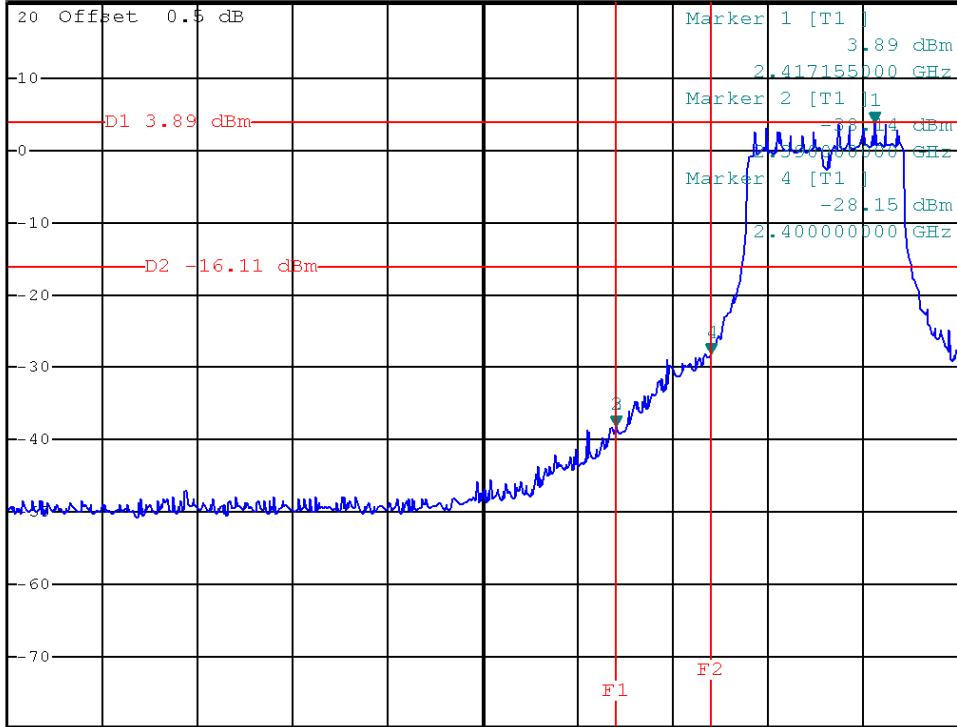
Channel of Worst Data: CH01,CH11			
The max. radio frequency power in any 100kHz bandwidth outside the frequency band		The max. radio frequency power in any 100 kHz bandwidth within the frequency band.	
FREQUENCY(MHz)	POWER(dBm)	FREQUENCY(MHz)	POWER(dBm)
2390.0	-38.14	2484.7	-41.09
Result			
In any 100kHz bandwidth outside the frequency band, the radio frequency power is at least 20dB below that in the 100kHz bandwidth within the band that contains the highest level of the desired power.			



Sample 1&2_802.11g_CH01



*RBW 100 kHz Marker 3 [T1]
 *VBW 100 kHz -38.14 dBm
 Ref 20.5 dBm *Att 30 dB SWT 10 ms 2.390000000 GHz

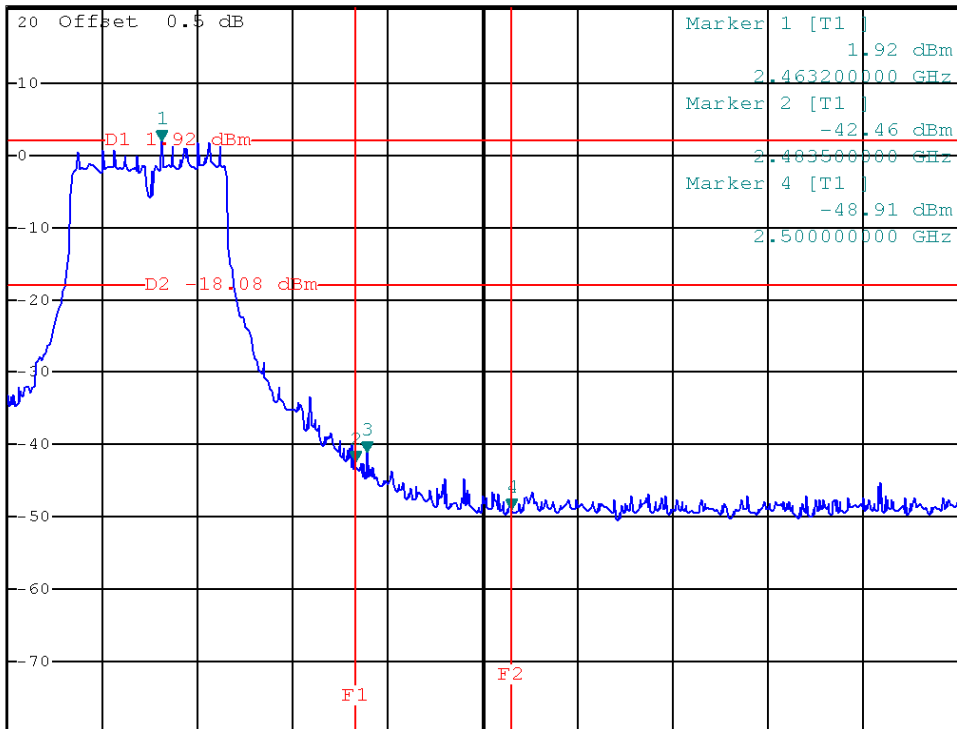


Center 2.375955 GHz 10 MHz/ Span 100 MHz

Sample 1&2_802.11g_CH11



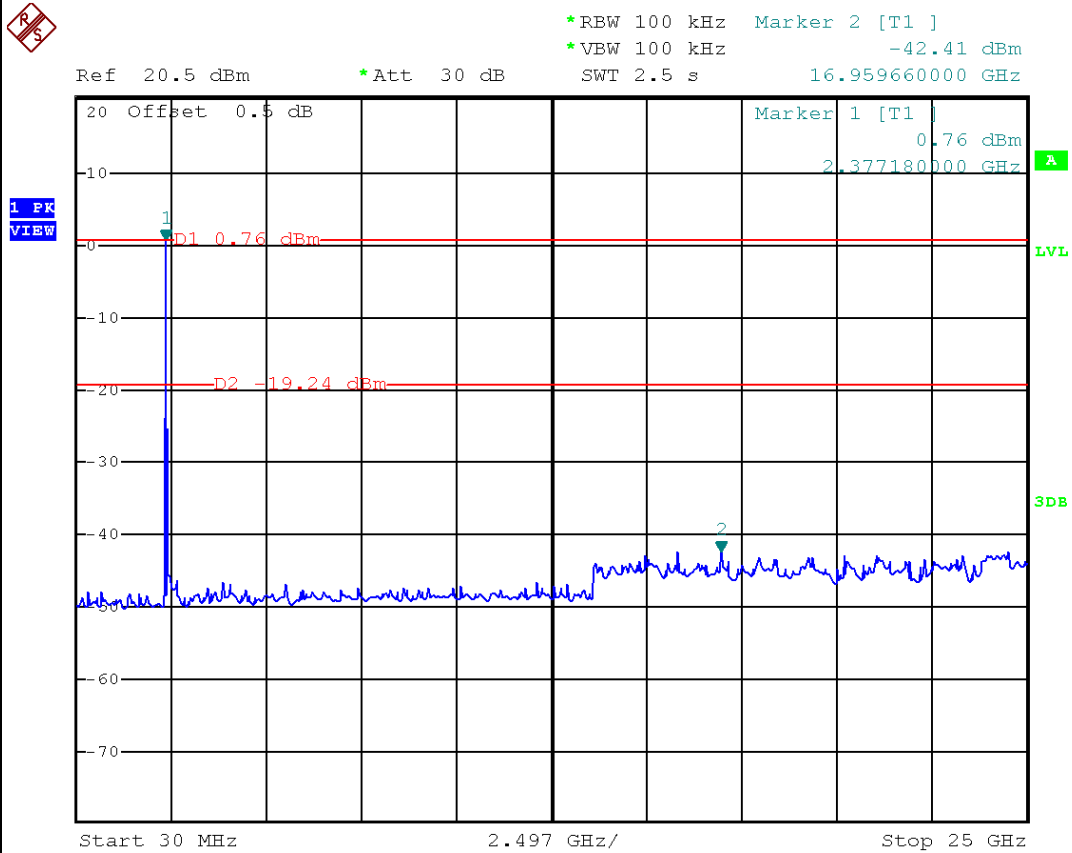
*RBW 100 kHz Marker 3 [T1]
 *VBW 100 kHz -41.09 dBm
 Ref 20.5 dBm *Att 30 dB SWT 10 ms 2.484700000 GHz



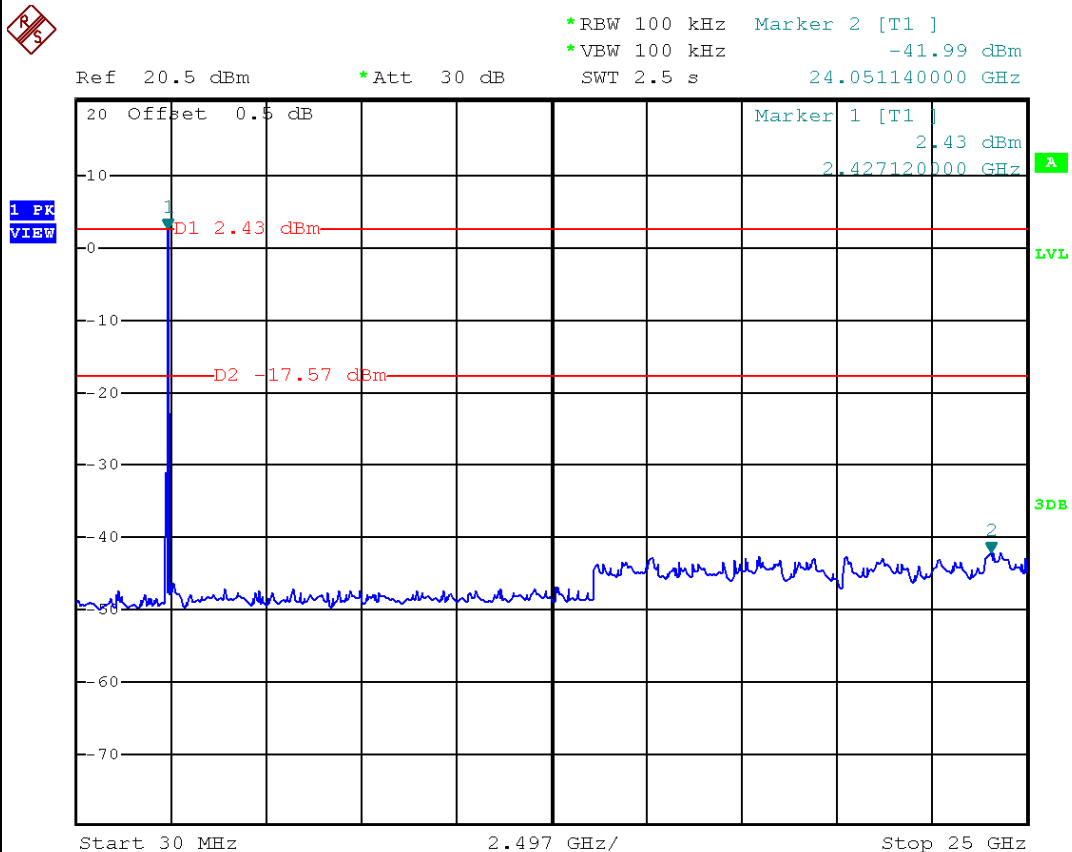
Center 2.497 GHz 10 MHz/ Span 100 MHz

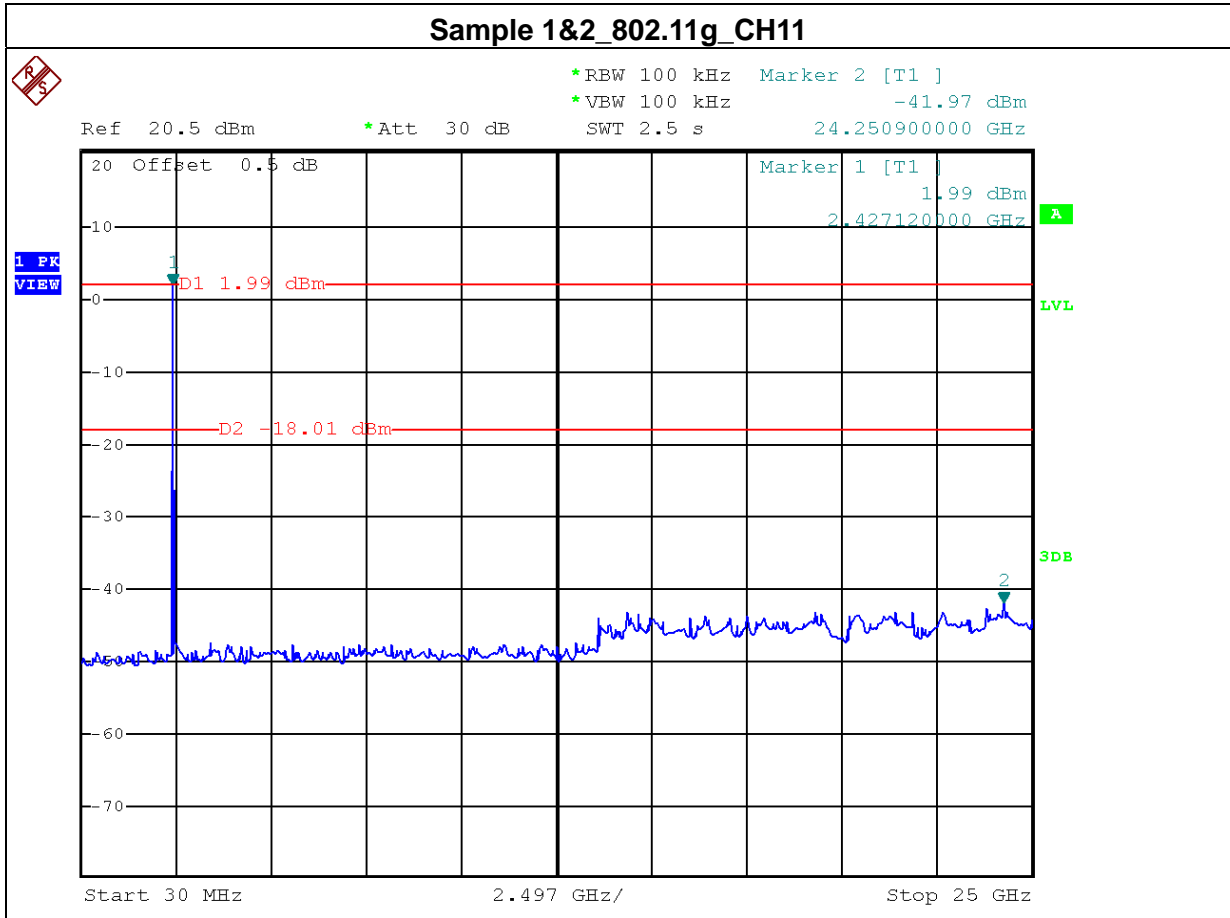


Sample 1&2_802.11g_CH01



Sample 1&2_802.11g_CH06







8. POWER SPECTRAL DENSITY TEST

8.1 APPLIED PROCEDURES / LIMIT

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

8.1.1 MEASUREMENT INSTRUMENTS LIST

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP-40	100129	Aug. 31, 2011

Remark: " N/A" denotes No Model Name, Serial No. or No Calibration specified.

8.1.2 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=30KHz, Sweep time = 500s.

8.1.3 DEVIATION FROM STANDARD

No deviation.

8.1.4 TEST SETUP



8.1.5 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 4.2.6 Unless otherwise a special operating condition is specified in the follows during the testing.
Chip antenna measurement result.

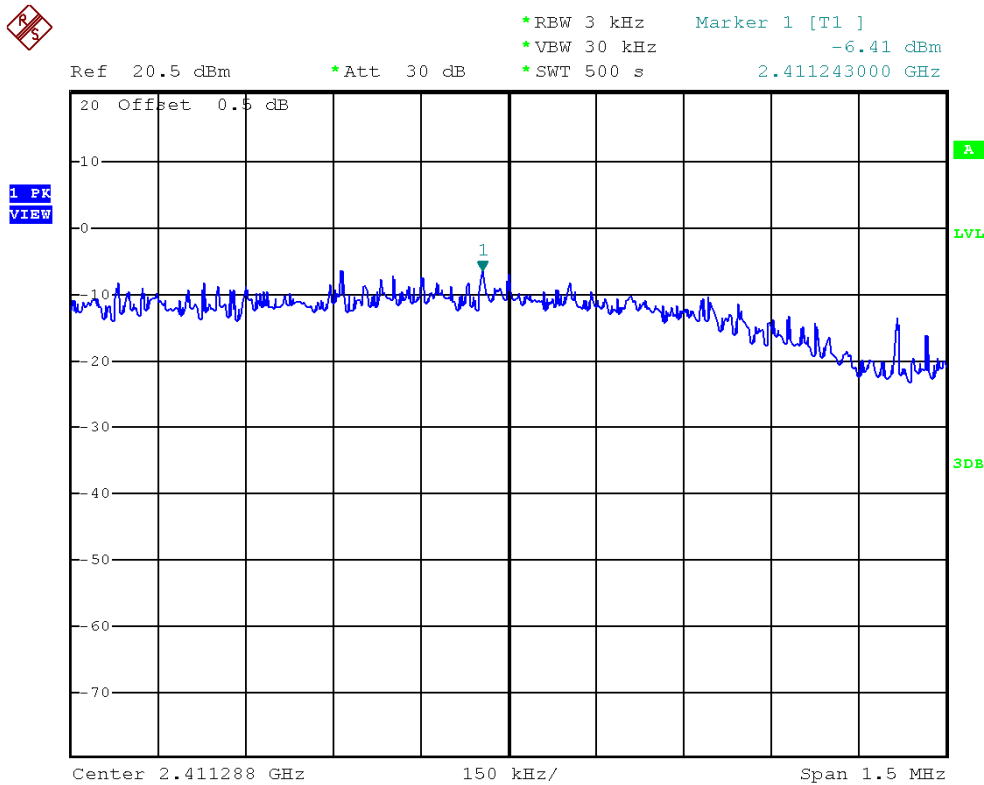


8.1.6 TEST RESULTS

EUT :	Handheld Terminal	Model Name :	P235
Temperature :	17 °C	Relative Humidity :	89%
Test Voltage :	AC 120V/60Hz		
Test Mode :	Sample 1&2_802.11b_CH01, CH06, CH11 (ADAPTER : CAP011051)		

Test Channel	Frequency (MHz)	Power Density (dBm)	LIMIT (dBm)
CH01	2412	-6.41	8
CH06	2437	-5.81	8
CH11	2462	-7.41	8

Sample 1&2_802.11b_CH01





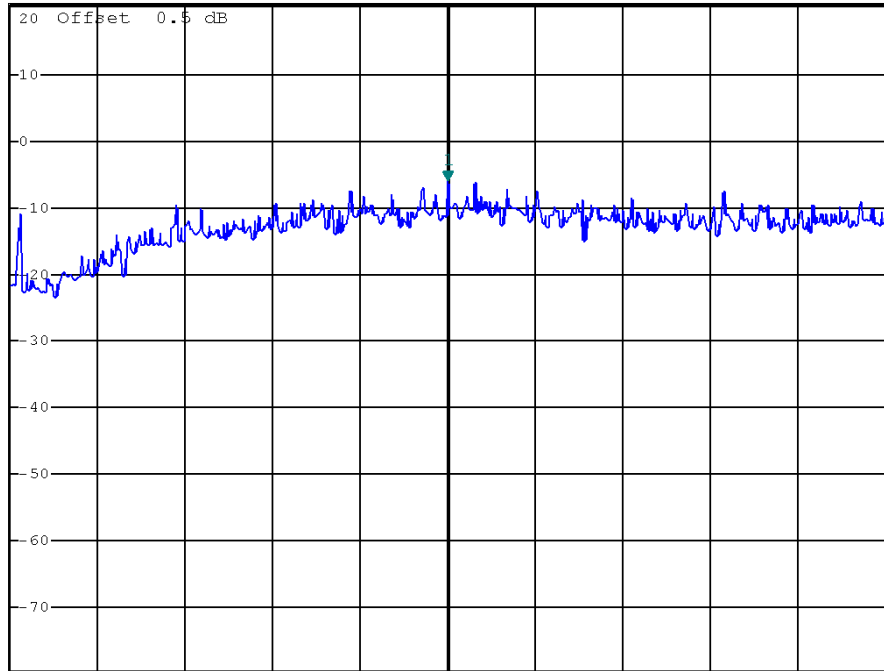
Sample 1&2_802.11b_CH06



*RBW 3 kHz Marker 1 [T1]
*VBW 30 kHz -5.81 dBm
*Att 30 dB *SWT 500 s 2.437684000 GHz

Ref 20.5 dBm

1 PK
VIEW



Center 2.437684 GHz 150 kHz/ Span 1.5 MHz

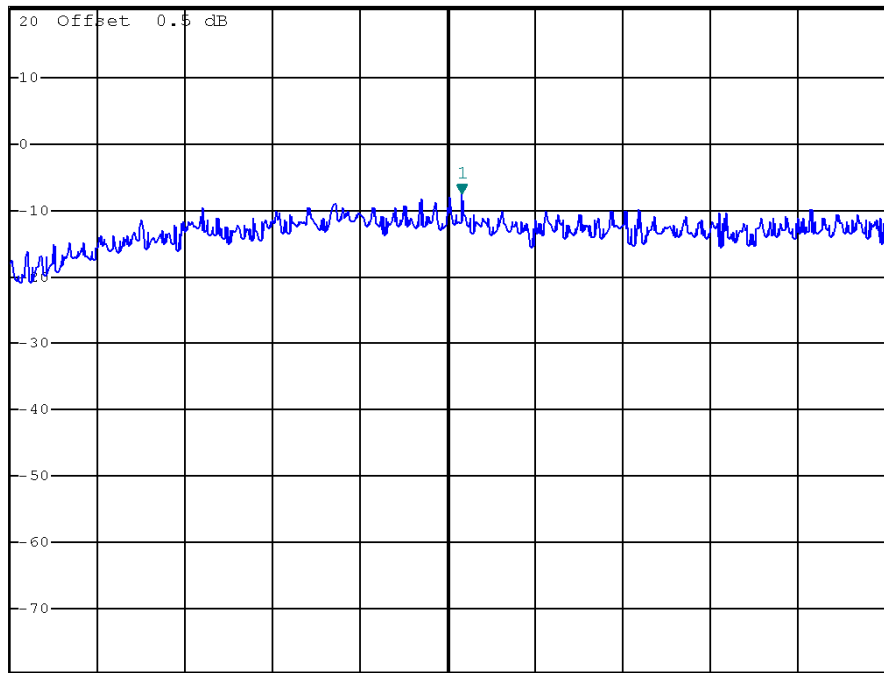
Sample 1&2_802.11b_CH11



*RBW 3 kHz Marker 1 [T1]
*VBW 30 kHz -7.41 dBm
*Att 30 dB *SWT 500 s 2.462836000 GHz

Ref 20.5 dBm

1 PK
VIEW



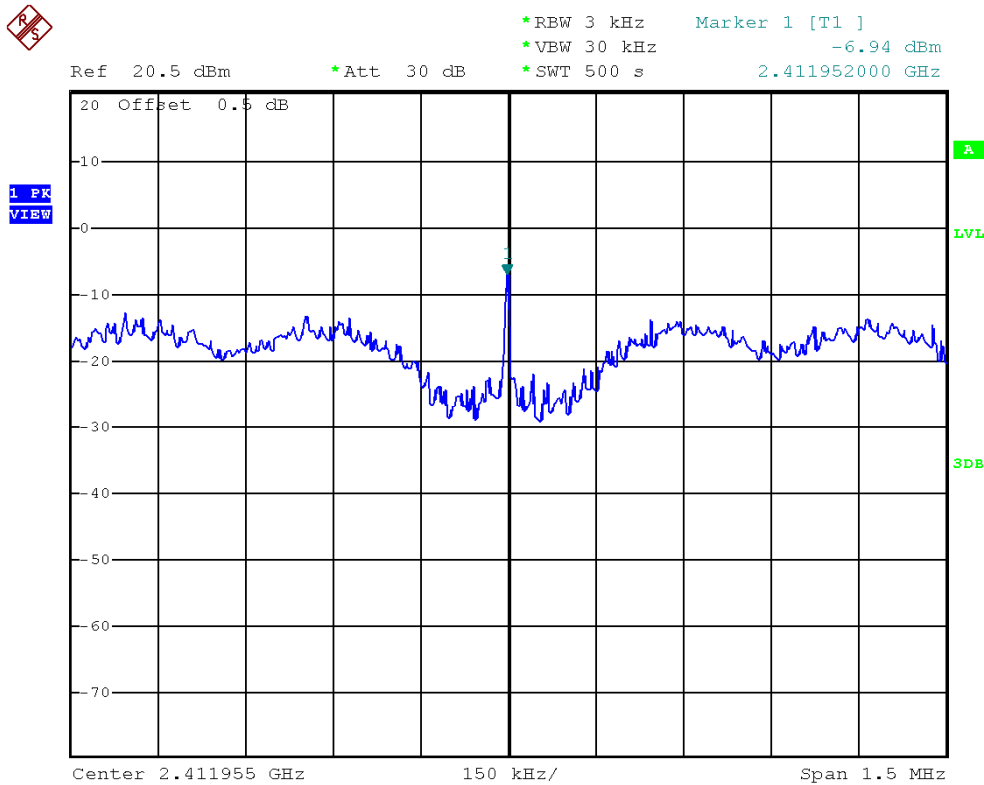
Center 2.462812 GHz 150 kHz/ Span 1.5 MHz



EUT :	Handheld Terminal	Model Name :	P235
Temperature :	17 °C	Relative Humidity :	89%
Test Voltage :	AC 120V/60Hz		
Test Mode :	Sample 1&2_802.11g_CH01, CH06, CH11 (ADAPTER : CAP011051)		

Test Channel	Frequency (MHz)	Power Density (dBm)	LIMIT (dBm)
CH01	2412	-6.94	8
CH06	2437	-9.79	8
CH11	2462	-10.10	8

Sample 1&2_802.11g_CH01





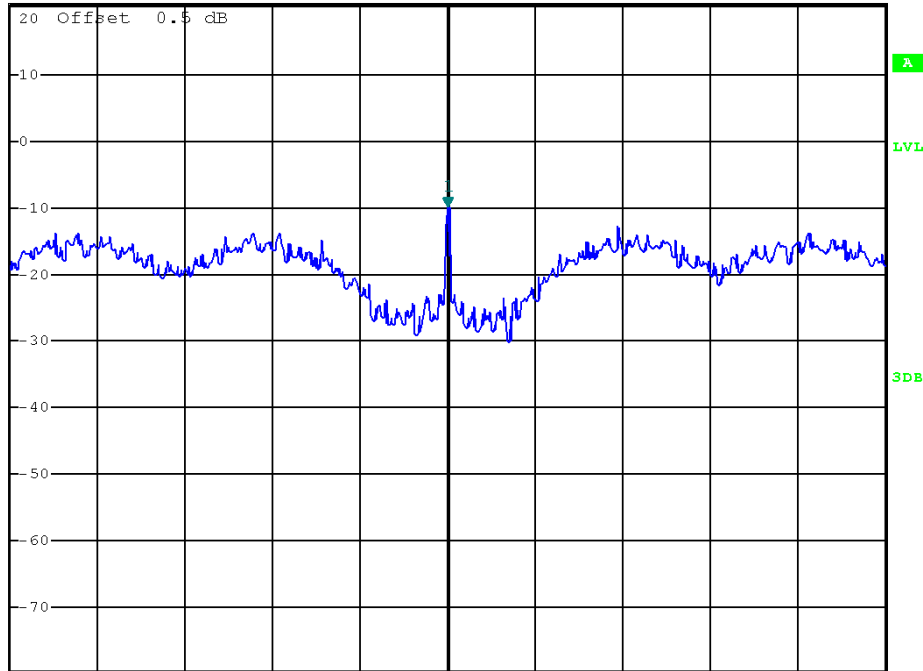
Sample 1&2_802.11g_CH06



*RBW 3 kHz Marker 1 [T1]
*VBW 30 kHz -9.79 dBm
*Att 30 dB *SWT 500 s 2.436952000 GHz

Ref 20.5 dBm

1 PK
VIEW



Center 2.436952 GHz 150 kHz/ Span 1.5 MHz

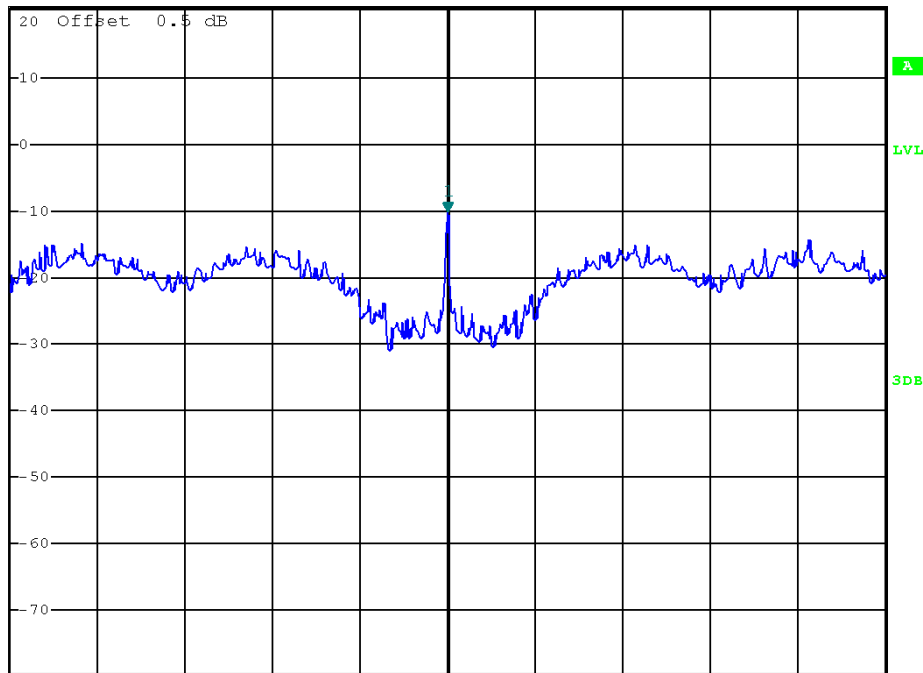
Sample 1&2_802.11g_CH11



*RBW 3 kHz Marker 1 [T1]
*VBW 30 kHz -10.10 dBm
*Att 30 dB *SWT 500 s 2.461952000 GHz

Ref 20.5 dBm

1 PK
VIEW



Center 2.461952 GHz 150 kHz/ Span 1.5 MHz