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Dates of Tests: April. 01 ~ 13, 2009
 Test Report S/N: LR500190903D
 Test Site : LTA CO., LTD.

CERTIFICATION OF COMPLIANCE

FCC ID.

XBQ-S5

APPLICANT

YUKYUNG TECHNOLOGIES INC.

Equipment Class	:	Part 15 Spread Spectrum Transmitter (DSS)
Manufacturing Description	:	Real Pocket PC
Manufacturer	:	YUKYUNG TECHNOLOGIES INC.
Model name	:	S5 PREMIUM H
Test Device Serial No.:	:	Identical prototype
Rule Part(s)	:	FCC Part 15.247 Subpart C; ANSI C-63.4-2003
Frequency Range	:	2402 ~ 2480MHz
RF power	:	Peak -0.27dBm - Conducted
Data of issue	:	April 17, 2009

This test report is issued under the authority of:

Dong-Min JUNG, Technical Manager

The test was supervised by:

Kyung-Taek LEE, Test Engineer

This test result only responds to the tested sample. It is not allowed to copy this report even partly without the allowance of the test laboratory. This report must not be used by the applicant to claim product endorsement by any agency.

NVLAP LAB Code.: 200723-0

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1. General information's

1-1 Test Performed

Company name : LTA Co., Ltd.
 Address : 243, Jubug-ri, Yangji-Myeon, Youngin-Si, Kyunggi-Do, Korea. 449-822
 Web site : <http://www.ltalab.com>
 E-mail : chahn@ltalab.com
 Telephone : +82-31-323-6008
 Facsimile : +82-31-323-6010

Quality control in the testing laboratory is implemented as per ISO/IEC 17025 which is the “General requirements for the competents of calibration and testing laboratory”.

1-2 Accredited agencies

LTA Co., Ltd. is approved to perform EMC testing by the following agencies:

Agency	Country	Accreditation No.	Validity	Reference
NVLAP	U.S.A	200723-0	2009-09-30	ECT accredited Lab.
RRL	KOREA	KR0049	2009-06-20	EMC accredited Lab.
FCC	U.S.A	610755	2011-04-22	FCC filing
VCCI	JAPAN	R2133, C2307	2011-06-21	VCCI registration
IC	CANADA	IC5799	2010-05-03	IC filing

2. Information's about test item

2-1 Client & Manufacturer

Company name : YUKYUNG TECHNOLOGIES INC.
 Address : 200-11, Anyang-Dong, Manan-Ku, Anyang-Si, Kyunggi-Do, Korea
 Tel / Fax : TEL No : +82-31-463-6906 / FAX No : +82-31-445-5995

2-2 Equipment Under Test (EUT)

Trade name : Real Pocket PC
 FCC ID : XBQ-S5
 Model name : S5 PREMIUM H
 Serial number : Identical prototype
 Date of receipt : March 31, 2009
 EUT condition : Pre-production, not damaged
 Antenna type : Chip antenna with Max. 2.18dBi gain
 Frequency Range : 2402 ~ 2480MHz
 RF output power : Peak -0.27dBm - Conducted
 Number of channels : 79
 Channel spacing : 1MHz
 Channel Access Protocol : Frequency Hopping Spread Spectrum (FHSS)
 Type of Modulation : Basic Mode(GFSK), EDR Mode(Pi/4 DQPSK, 8DPSK)
 Power Source for Batt. : Battery Pack: 3.7V (Li-Ion Polymer RECHARGEABLE BATTERY)
 Power Source for Adaptor. : Input: 100-240VAC, 0.4A Output: 5VDC, 3.0A

2-3 Tested frequency

	LOW	MID	HIGH
Frequency (MHz)	2402	2441	2480

2-4 Ancillary Equipment

Equipment	Model No.	Serial No.	Manufacturer
PC	HP Compaq dx7400	CNG8330J95	HP
MONITOR	LE23R18(R)	63343HDP901399E	SAMSUNG
KEYBOARD	SK-8115	641-04Q6	DELL
MOUSE	MO56UO	520107013	DELL
PRINTER	STYLUS C65	N/A	EPSON
EARPHONE	N/A	N/A	N/A

3. Test Report

3.1 Summary of tests

FCC Part Section(s)	Parameter	Limit	Test Condition	Status (note 1)
15.247(a)	Carrier Frequency Separation	> 25 kHz	Conducted	C
15.247(a)	Number of Hopping Frequencies	> 15 hops		C
15.247(a)	20 dB Bandwidth 99% Bandwidth	> 1.5 MHz		C
15.247	Dwell Time	< 0.4 seconds		C
15.247(b)	Transmitter Output Power	< 250 mWatt		C
15.247(d)	Conducted Spurious emission	> 20 dBc		C
15.247(d)	Band Edge	> 20 dBc		C
15.249 / 15.209	Field Strength of Harmonics	< 54 dBuV (at 3m)	Radiated	C
15.109	Field Strength	-		C
15.207 /15.107	AC Conducted Emissions	EN 55022	Line Conducted	C
15.203	Antenna requirement	-	-	C

Note 1: C=Complies NC=Not Complies NT=Not Tested NA=Not Applicable

Note 2: The data in this test report are traceable to the national or international standards.

→ Antenna Requirement

The YUKYUNG TECHNOLOGIES INC. FCC ID: XBQ-S5PREMIUMH unit complies with the requirement of §15.203. The antenna is connected to inside of EUT.

The sample was tested according to the following specification:

FCC Parts 15.247; ANSI C-63.4-2003

3.2 Transmitter requirements

3.2.1 Carrier Frequency Separation

Procedure:

The carrier frequency separation was measured with a spectrum analyzer connected to the antenna terminal, while EUT had its hopping function enabled.

After the trace being stable, the reading value between the peaks of the adjacent channels using the marker-delta function was recorded as the measurement results.

The spectrum analyzer is set to:

Span = 3 MHz (wide enough to capture the peaks of two adjacent channels)

RBW = 10 kHz (1% of the span or more) Sweep = auto

VBW = 10 kHz Detector function = peak

Trace = max hold

Measurement Data:

Test Results	
Carrier Frequency Separation (MHz)	Result
1.0029	Complies

- See next pages for actual measured spectrum plots.

Minimum Standard:

The EUT shall have hopping channel carrier frequencies separated by a minimum of 25kHz or two-thirds of 20dB bandwidth of the hopping channel, whichever is greater.

Measurement Setup

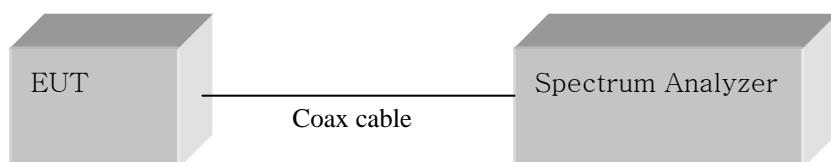
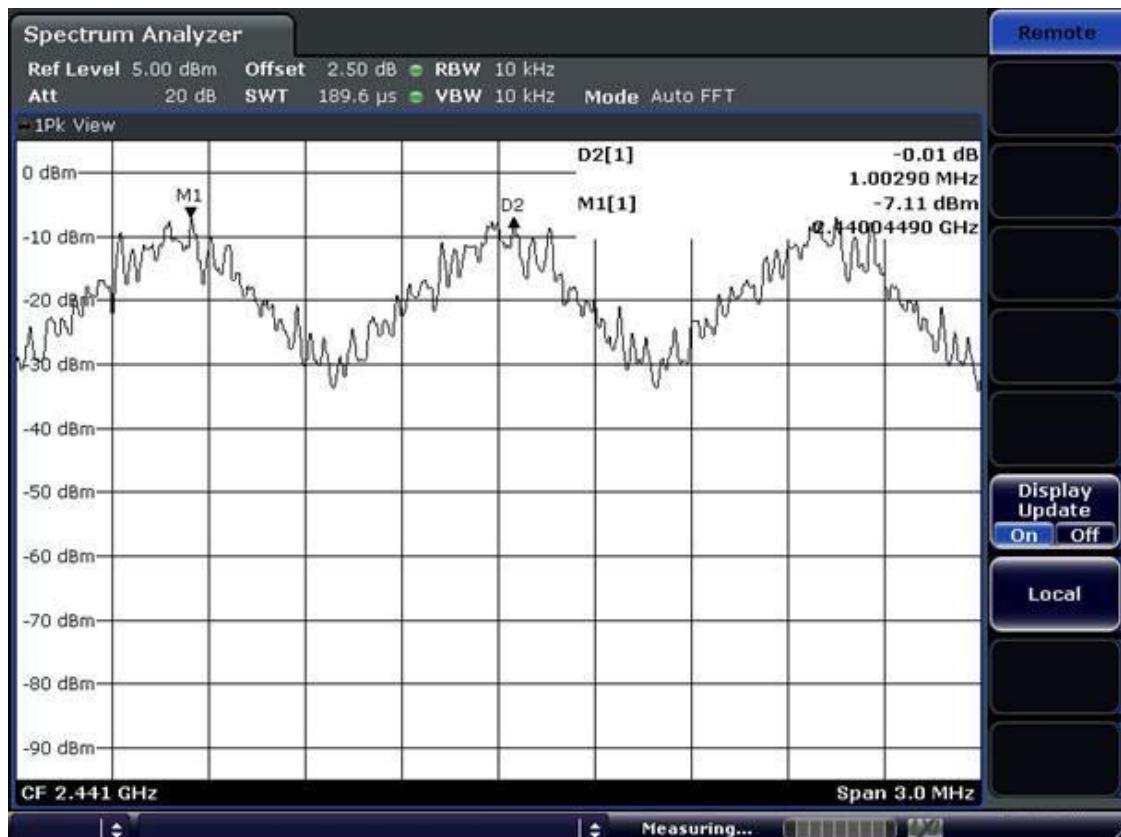
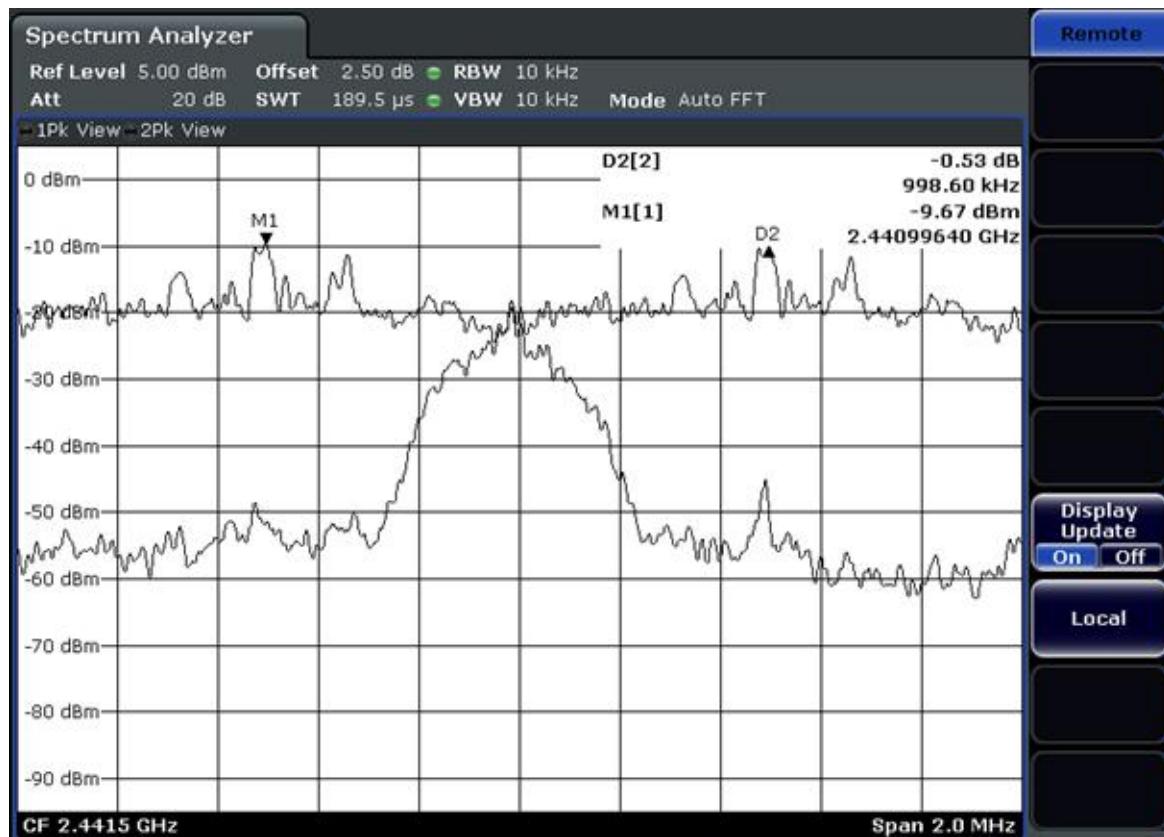


Figure 1: Measurement setup for the carrier frequency separation

Carrier Frequency SeparationBasic ModeEDR Mode

3.2.2 Number of Hopping Frequencies

Procedure:

The number of hopping frequencies was measured with a spectrum analyzer connected to the antenna terminal, while EUT had its hopping function enabled.

To get higher resolution, four frequency ranges within the 2400 ~ 2483.5 MHz FH band were examined.

The spectrum analyzer is set to:

Frequency range 1: Start = 2400.0MHz, Stop = 2441.5 MHz

2: Start = 2441.5MHz, Stop = 2483.5 MHz

RBW = 100 kHz (1% of the span or more) Sweep = auto

VBW = 100 kHz (VBW \geq RBW) Detector function = peak

Trace = max hold Span > 40MHz

Measurement Data: Complies

Total number of Hopping Channels	79
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- See next pages for actual measured spectrum plots.

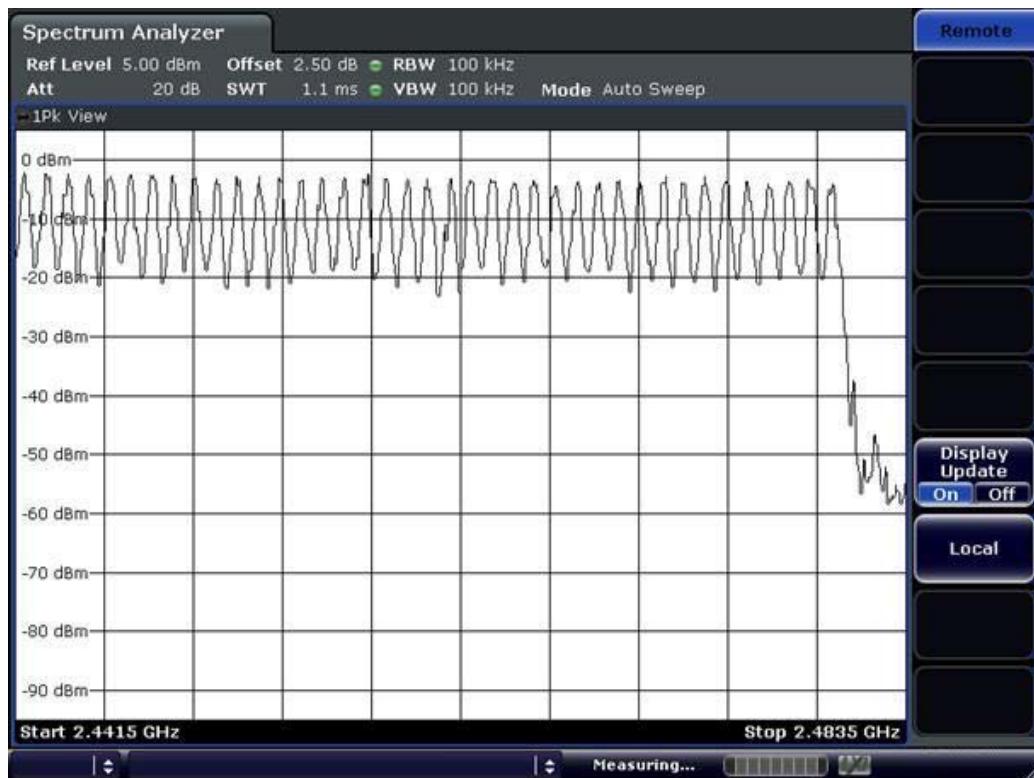
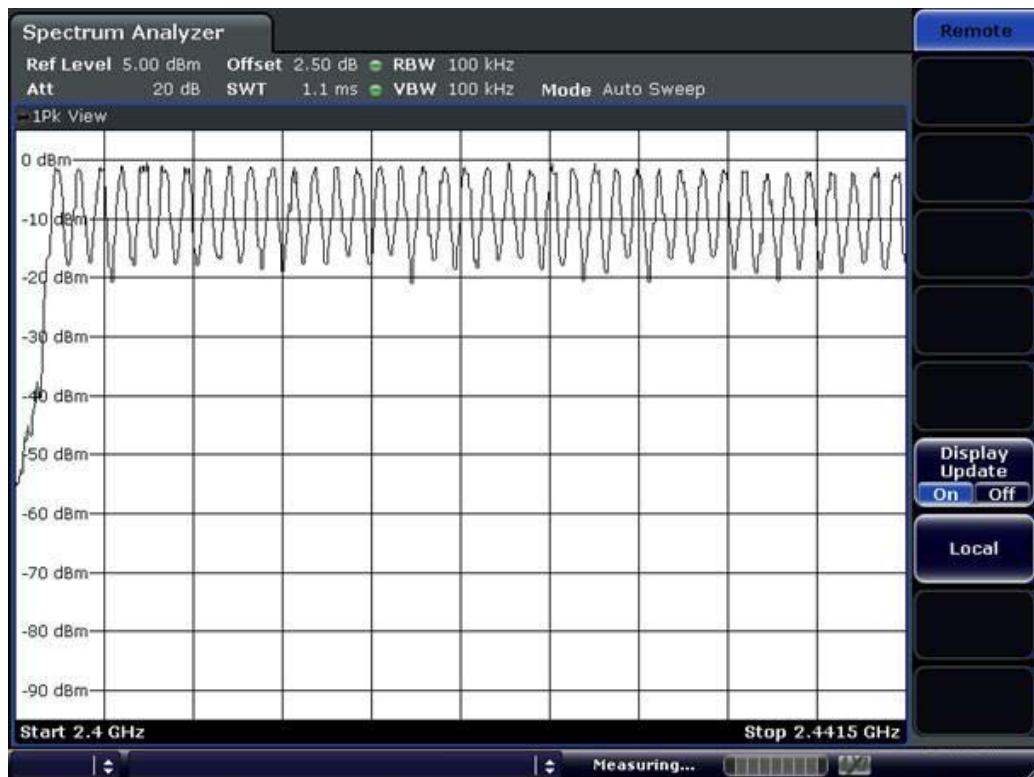
Minimum Standard:

At least 15 hopes

Measurement Setup

Same as the Chapter 3.2.1 (Figure 1)

Number of Hopping Frequencies



3.2.3 20 dB Bandwidth

Procedure:

The bandwidth at 20 dB below the highest inband spectral density was measured with a spectrum analyzer connected to the antenna terminal, while EUT had its hopping function disabled at the highest, middle and the lowest available channels..

After the trace being stable, Use the marker-to-peak function to set the marker to the peak of the emission. Use the marker-delta function to measure 20dB down one side of the emission. Reset the marker-delta function, and move the marker to the other side of the emission, until it is (as close as possible to) even with the reference marker level. The marker-delta reading at this point is the 20 dB bandwidth of the emission.

The spectrum analyzer is set to:

Center frequency = the highest, middle and the lowest channels

Span = 3 MHz (approximately 2 or 3 times of the 20 dB bandwidth)

RBW = 30 kHz

Sweep = auto

VBW = 30 kHz (VBW \geq RBW)

Detector function = peak

Trace = max hold

dB/Div = 5dB

Measurement Data: Basic Mode

Frequency (MHz)	Channel No.	Test Results(MHz)	
		20dB Bandwidth	99% Bandwidth
2402	0	0.820	0.877
2441	39	0.824	0.877
2480	78	0.824	0.881

Measurement Data: EDR Mode

Frequency (MHz)	Channel No.	Test Results(MHz)	
		20dB Bandwidth	99% Bandwidth
2402	0	1.250	1.164
2441	39	1.255	1.164
2480	78	1.255	1.164

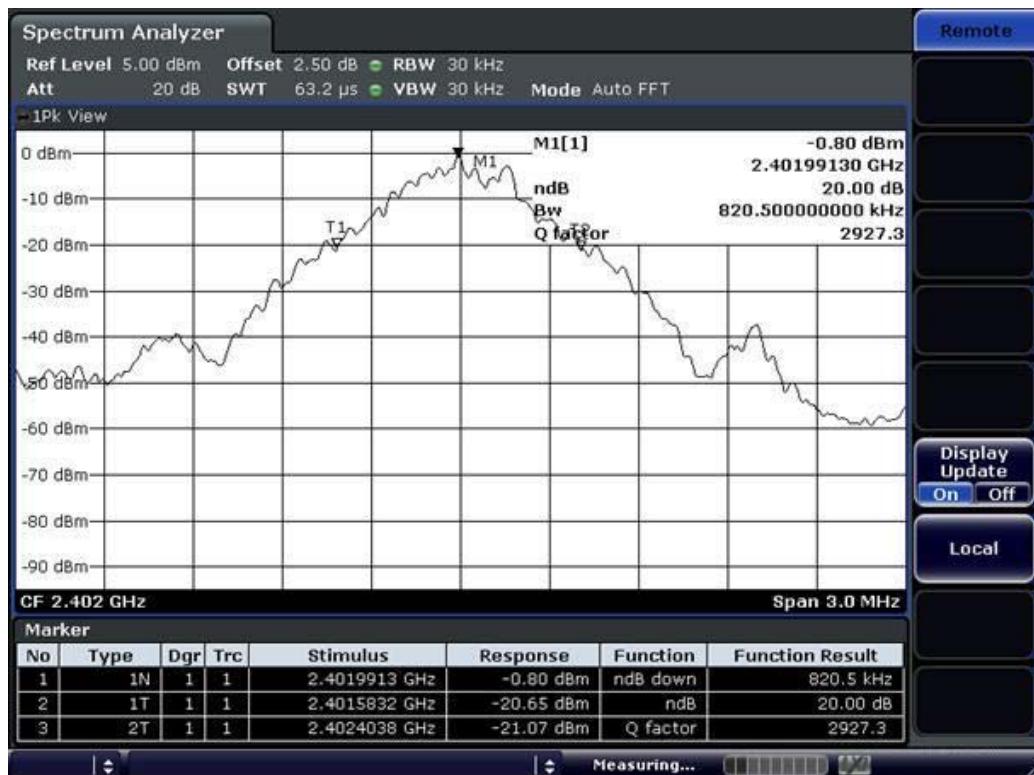
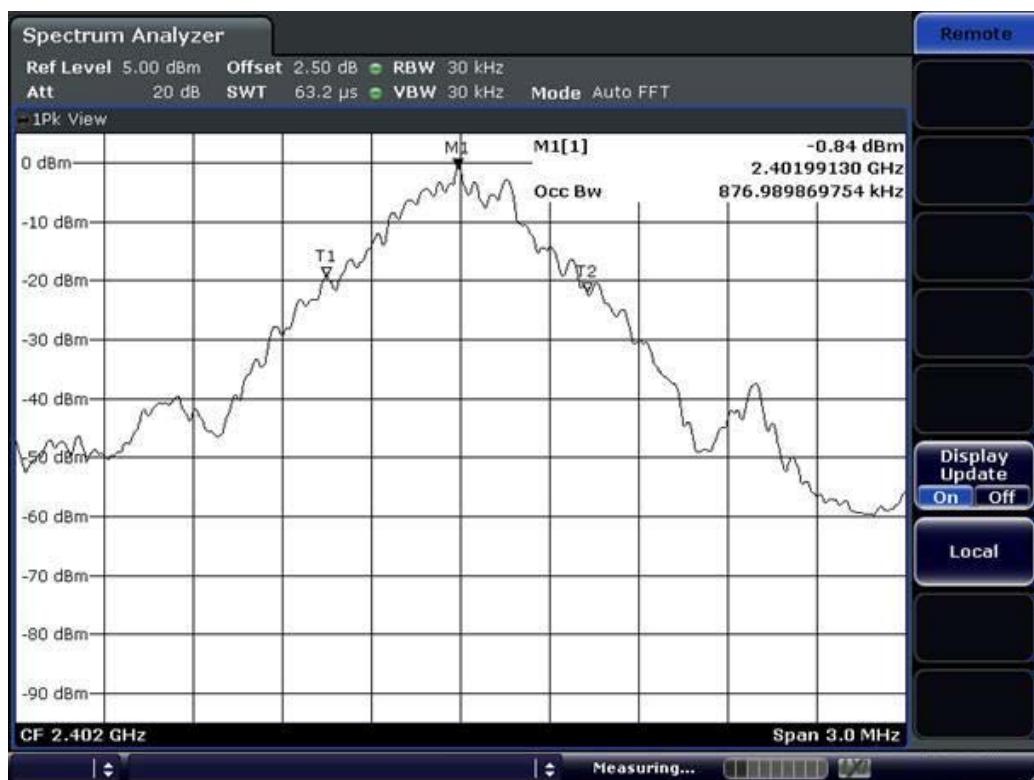
- See next pages for actual measured spectrum plots.

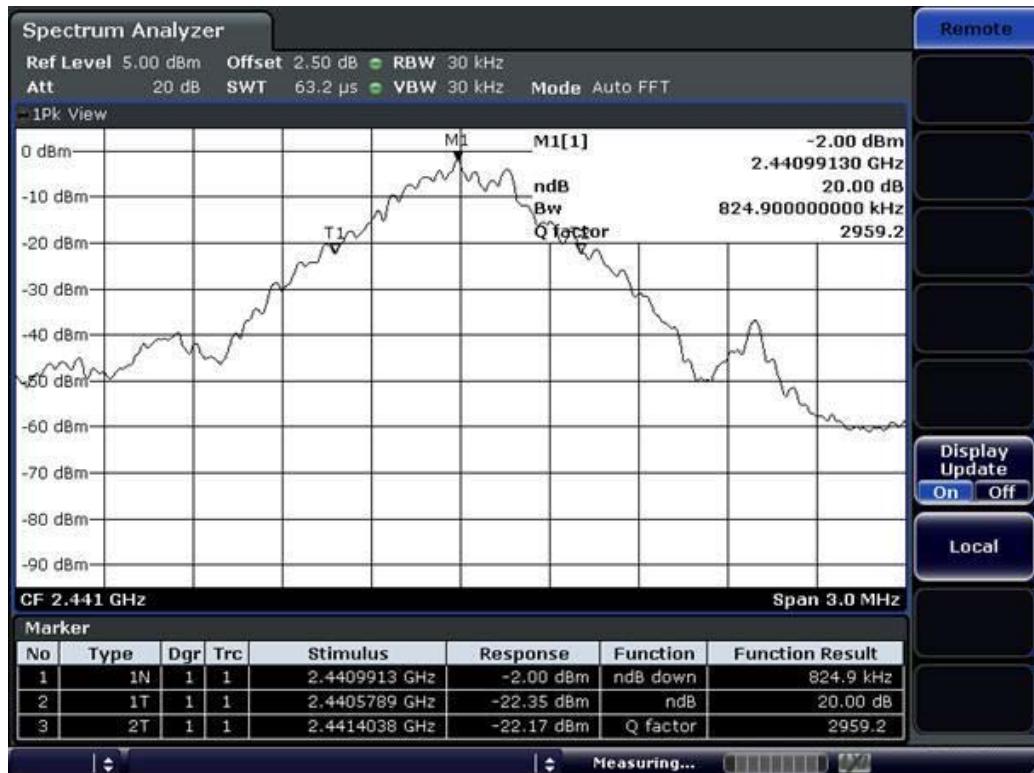
Minimum Standard:

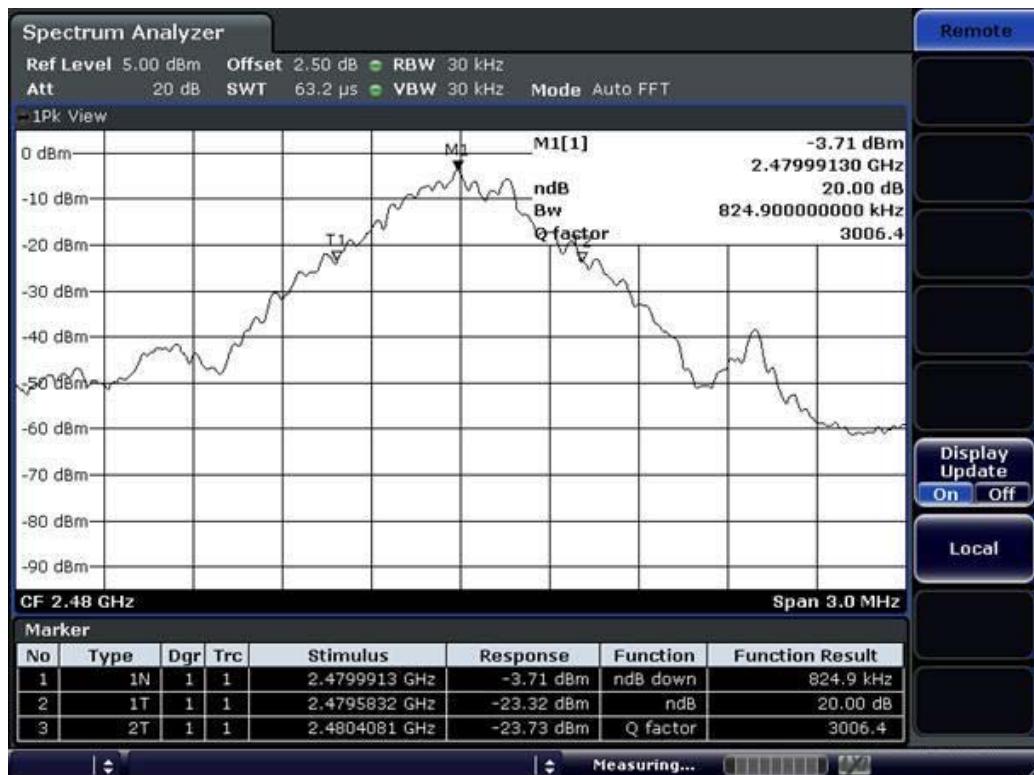
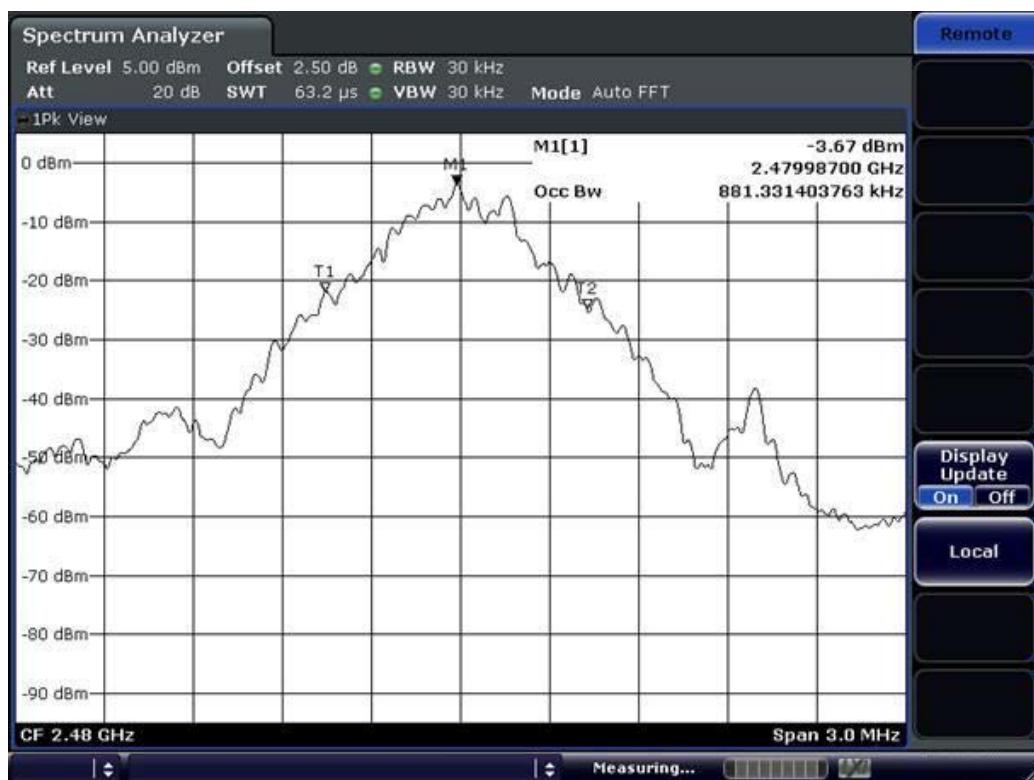
The EUT shall have hopping channel carrier frequencies separated by a minimum of 25kHz or two-thirds of 20dB bandwidth of the hopping channel, whichever is greater. Therefor, limit of 20dB bandwidth is 1.5MHz.

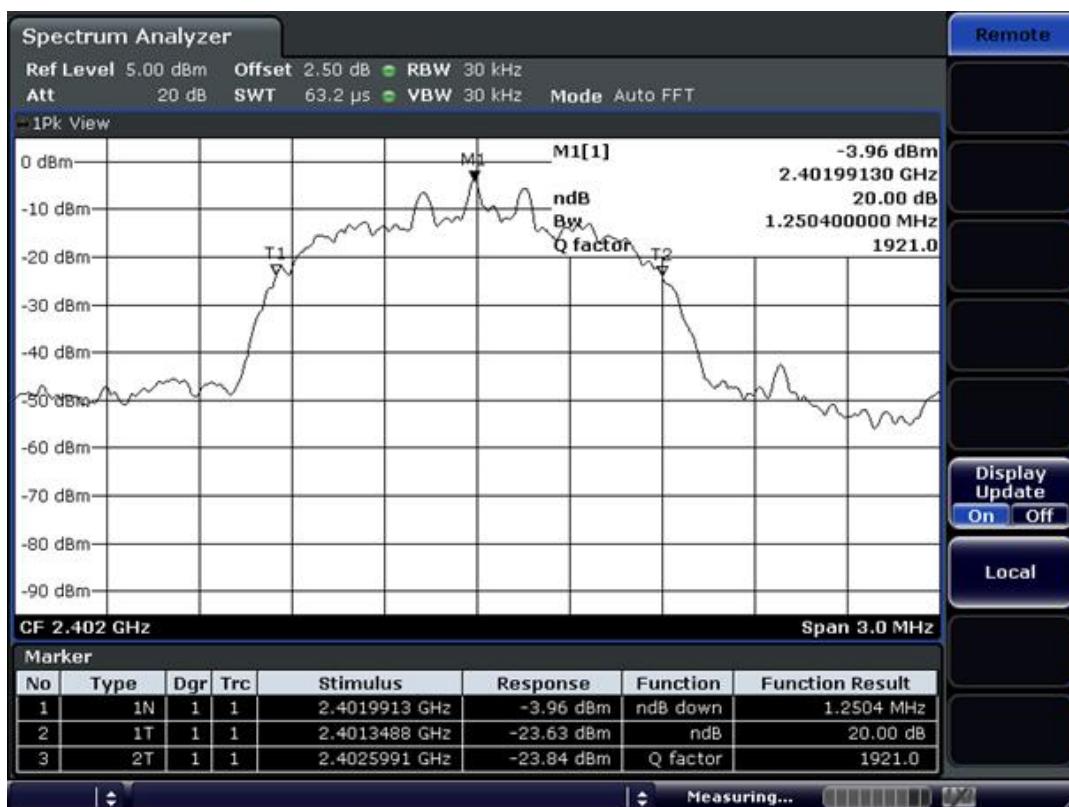
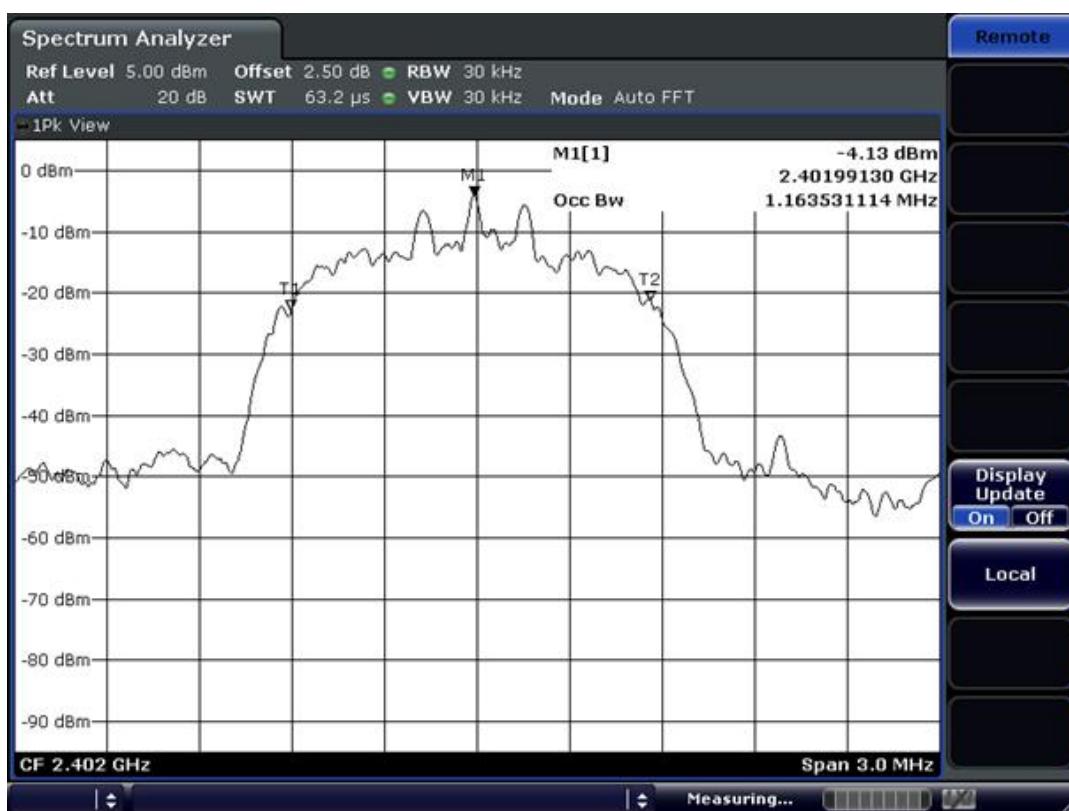
Measurement Setup

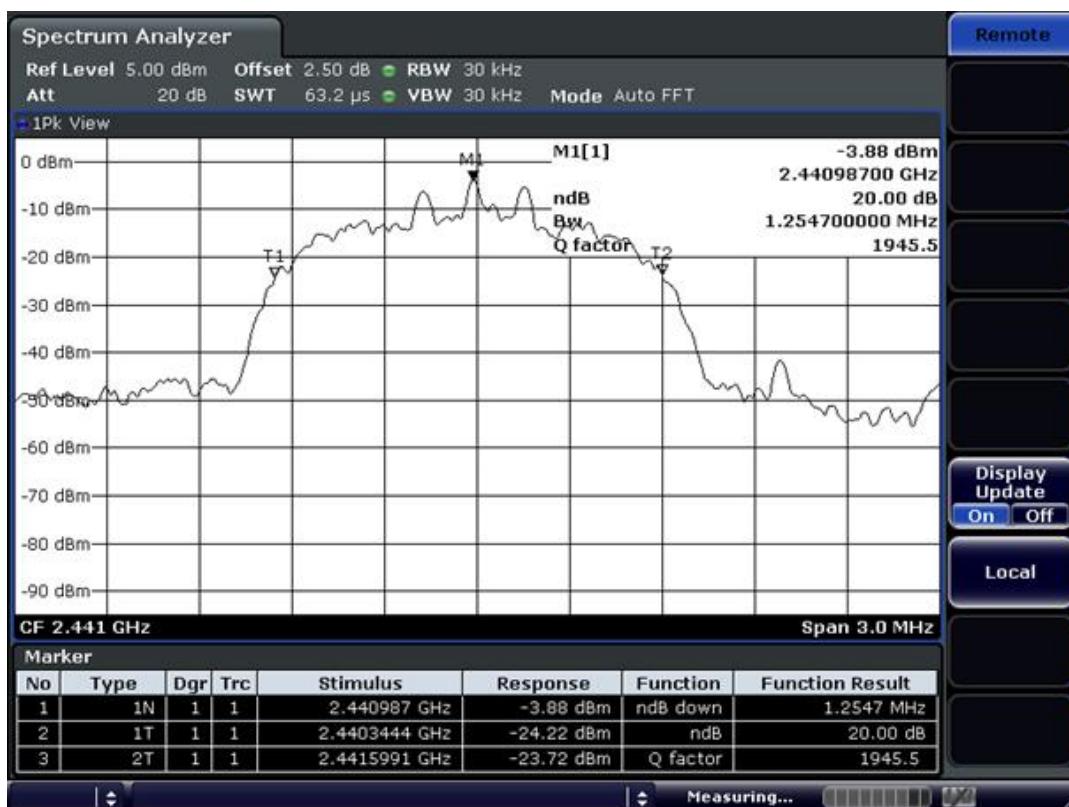
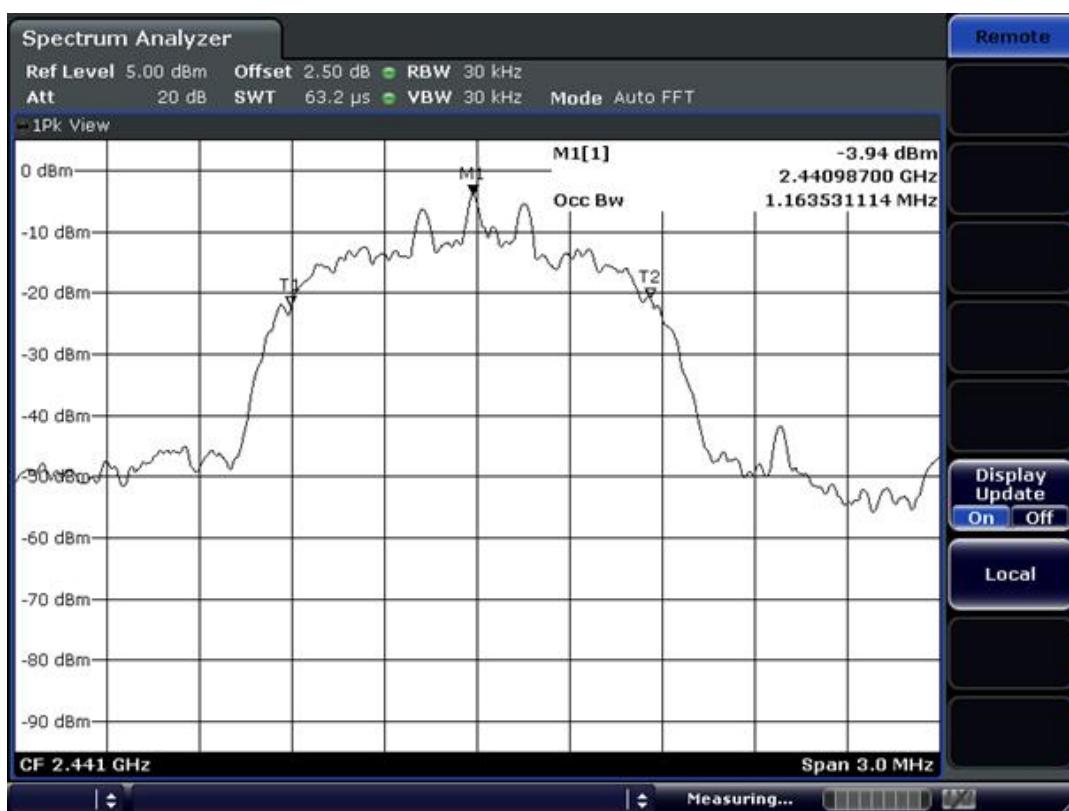
Same as the Chapter 3.2.1 (Figure 1)

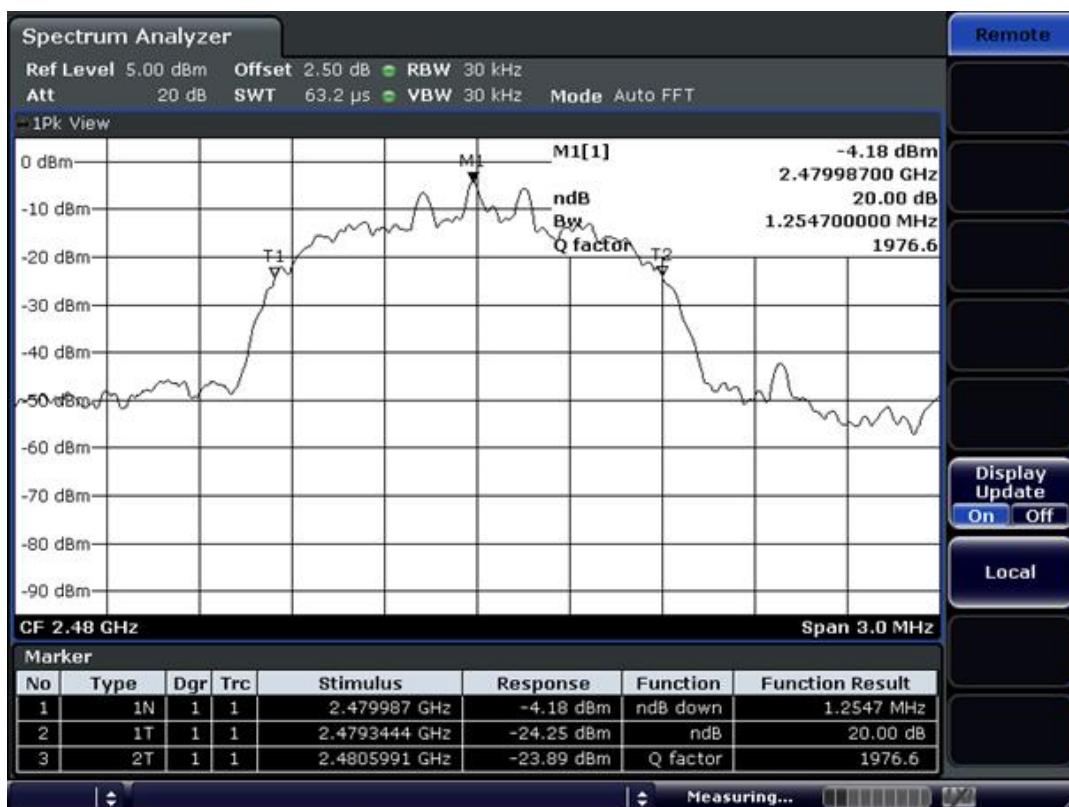
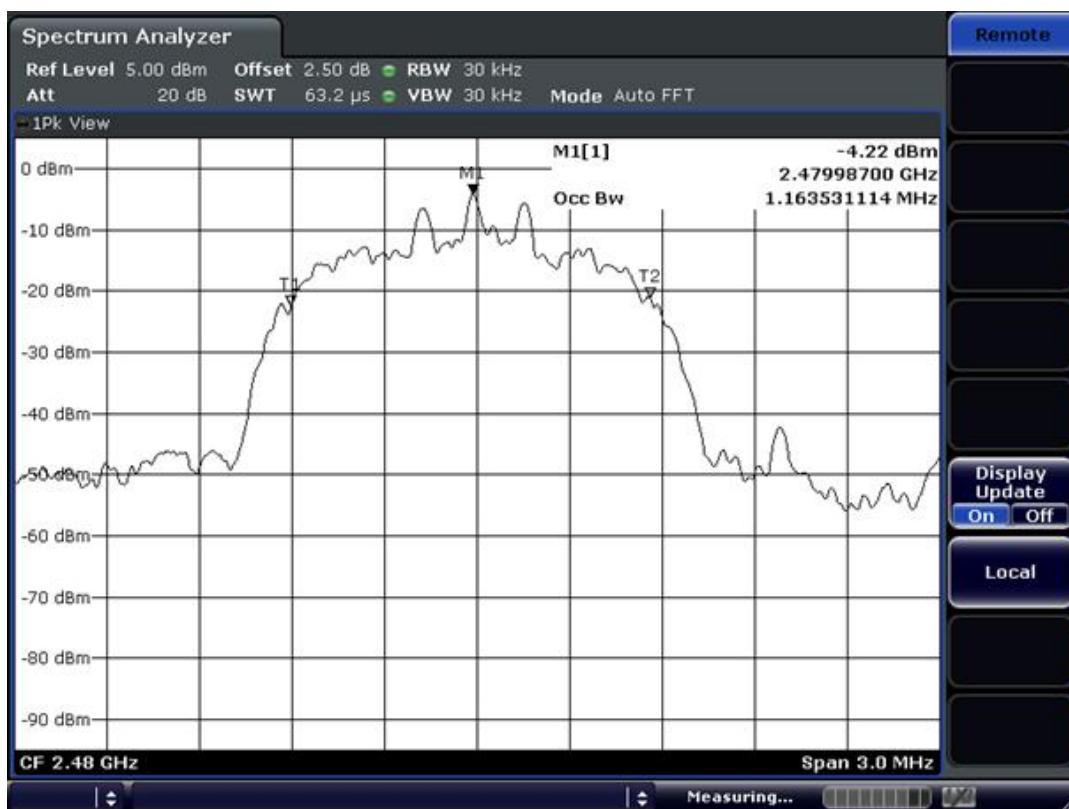
Channel 1 of basic mode20 dB Bandwidth99% Bandwidth

Channel 2 of basic mode20 dB Bandwidth99% Bandwidth

Channel 3 of basic mode20 dB Bandwidth99% Bandwidth

Channel 1 at EDR mode20 dB Bandwidth99% Bandwidth

Channel 2 at EDR mode20 dB Bandwidth99% Bandwidth

Channel 3 at EDR mode20 dB Bandwidth99% Bandwidth

3.2.4 Time of Occupancy (Dwell Time)

Procedure:

The dwell time was measured with a spectrum analyzer connected to the antenna terminal, while EUT had its hopping function enabled.

The spectrum analyzer is set to:

Center frequency = 2441 MHz	Span = zero
RBW = 1 MHz	VBW = 1 MHz (VBW \geq RBW)
Trace = max hold	Detector function = peak

Measurement Data:

Channel Number	Channel Frequency (MHz)	Packet Type	Test Results		
			Duration Time (ms)	Dwell Time (ms)	Result
39	2441	Basic DH 1	0.4340	138.93	Complies
		Basic DH 3	1.6690	268.98	Complies
		Basic DH 5	2.9420	313.29	Complies
		EDR 3Mbps DH5	2.9630	315.53	Complies

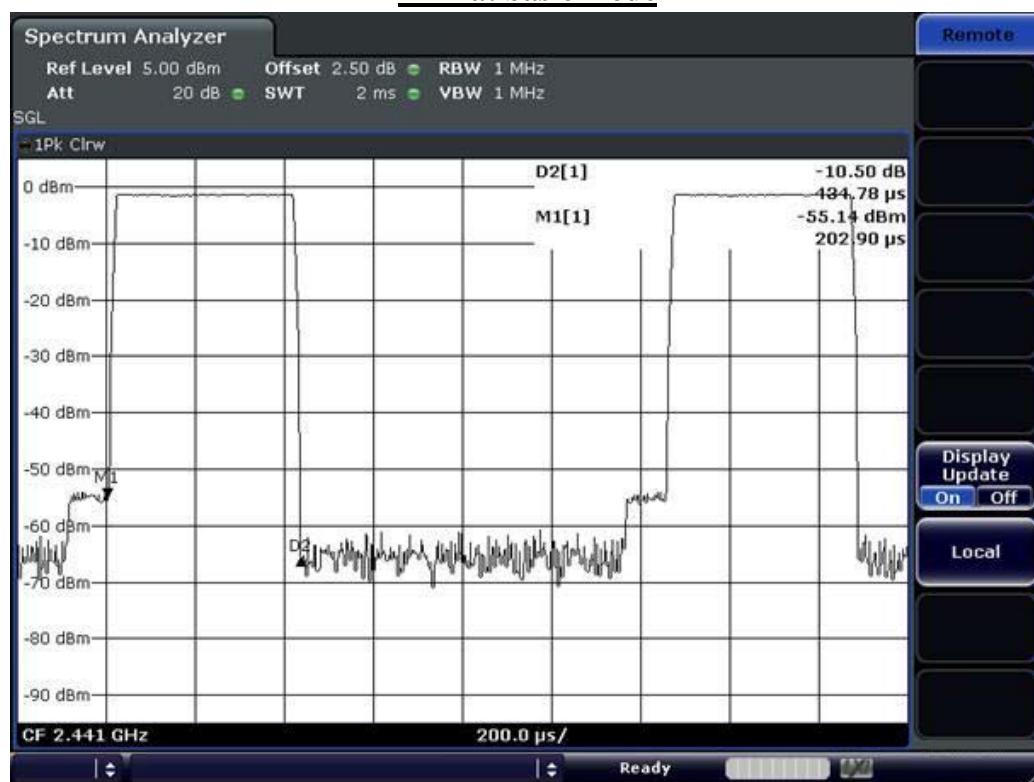
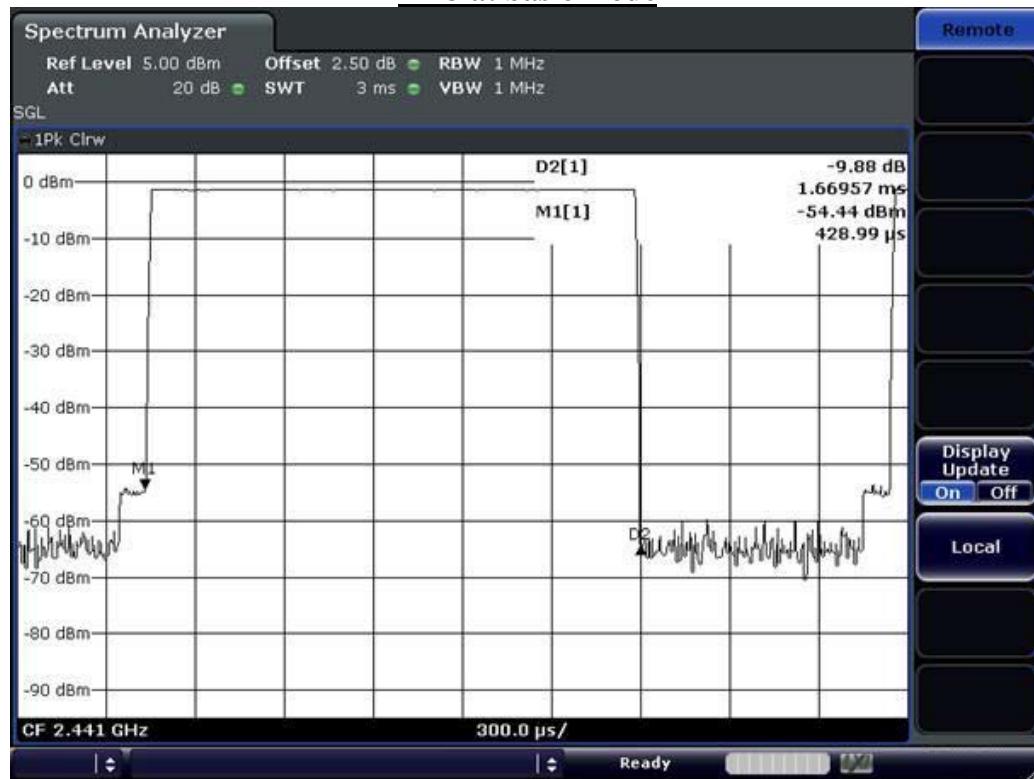
- See next pages for actual measured spectrum plots.
- dwell time = {(number of hopping per second / number of slot) x duration time per channel} x 0.4 ms

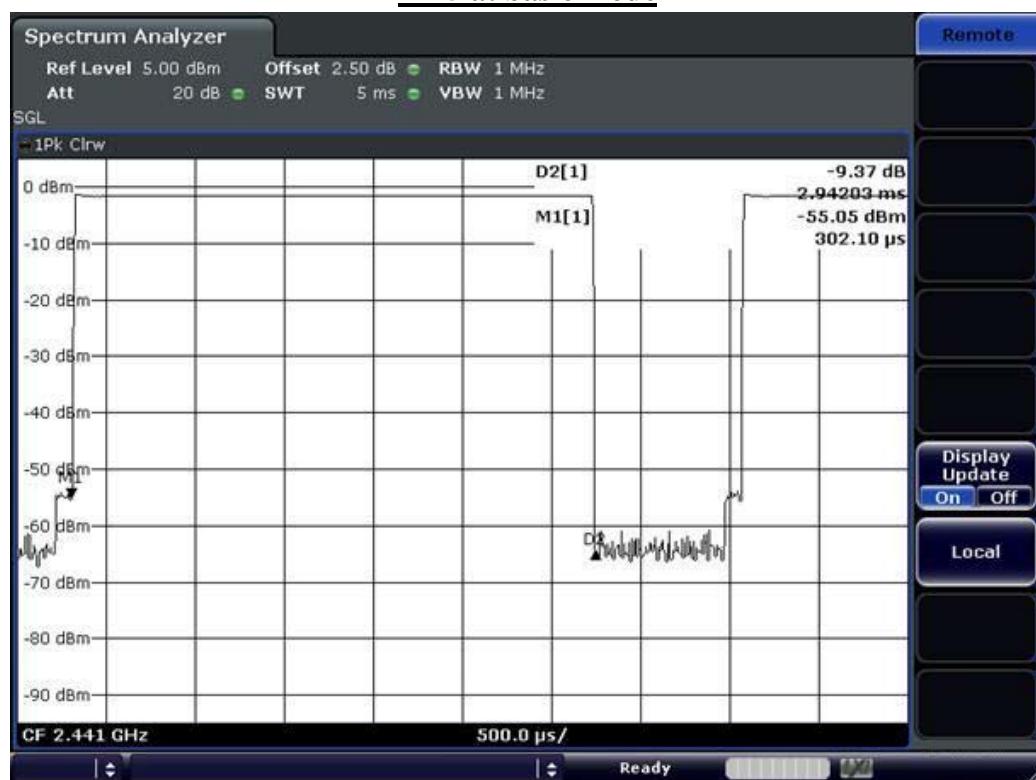
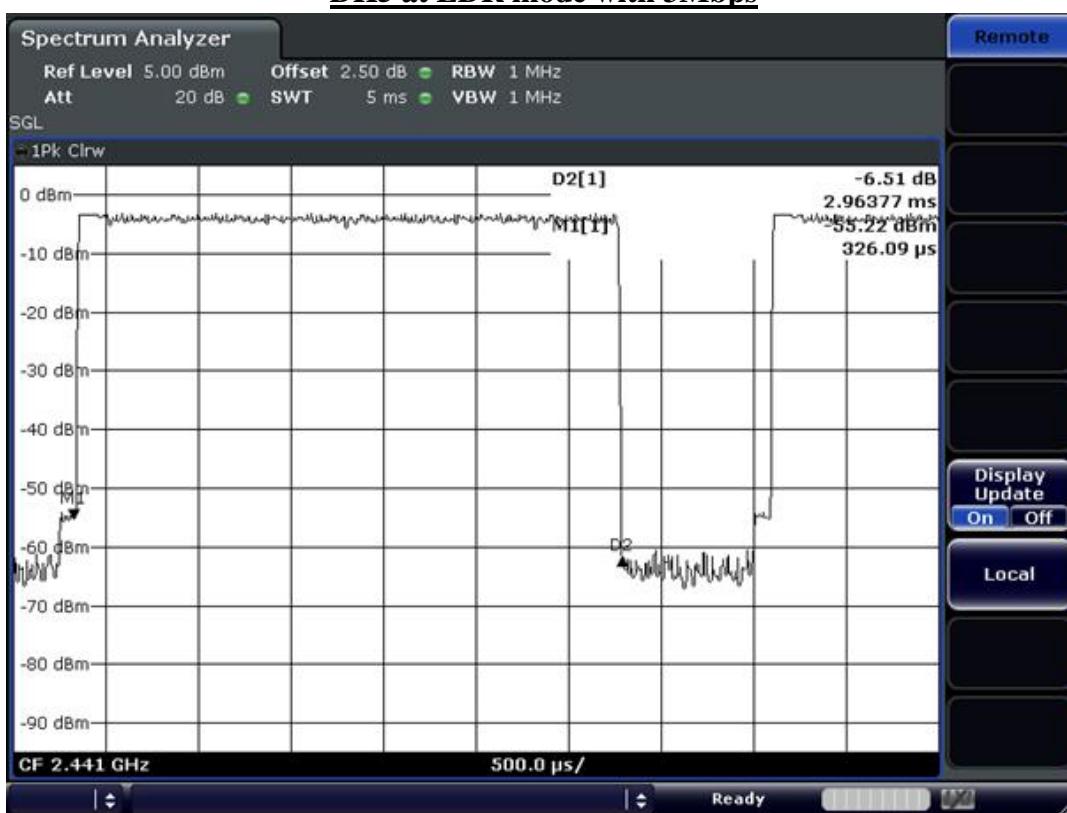
Minimum Standard:

0.4 seconds within a 30 second period per any frequency

Measurement Setup

Same as the Chapter 3.2.1 (Figure 1)

DH1 at basic modeDH3 at basic mode

DH5 at basic modeDH5 at EDR mode with 3Mbps

3.2.5 Transmitter Output Power

Procedure:

The peak output power was measured with a spectrum analyzer connected to the antenna terminal, while EUT had its hopping function disabled at the highest, middle and the lowest available channels..

After the trace being stable, Use the marker-to-peak function to set the marker to the peak of the emission. The indicated level is the peak output power.

The spectrum analyzer is set to:

Center frequency = the highest, middle and the lowest channels

Span = 20 MHz (approximately 5 times of the 20 dB bandwidth)

RBW = 3 MHz (greater than the 20dB bandwidth of the emission being measured)

VBW = 3 MHz (VBW \geq RBW) Detector function = peak

Trace = max hold Sweep = auto

Measurement Data: Basic Mode

Frequency (MHz)	Ch.	Test Results		
		dBm	mW	Result
2402	0	-0.27	0.940	Complies
2441	39	-1.39	0.726	Complies
2480	78	-2.98	0.504	Complies

Measurement Data: EDR Mode

Frequency (MHz)	Ch.	Test Results		
		dBm	mW	Result
2402	0	-2.66	0.542	Complies
2441	39	-2.40	0.575	Complies
2480	78	-2.63	0.546	Complies

- See next pages for actual measured spectrum plots.

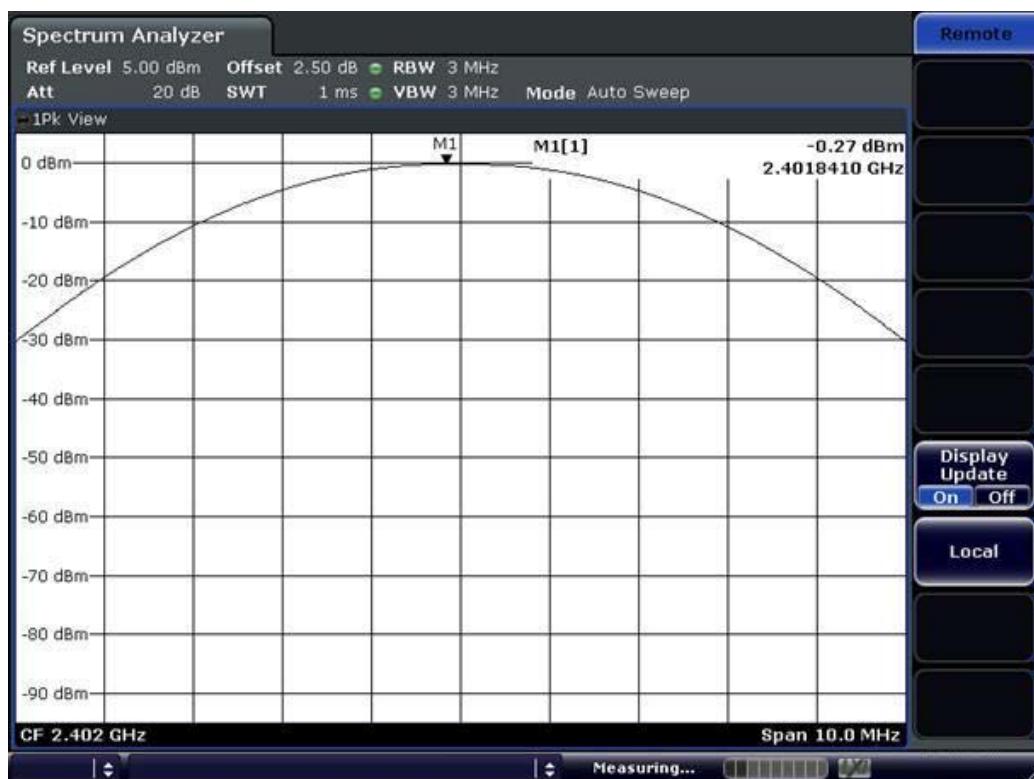
Minimum Standard:	< 250 mW
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Measurement Setup

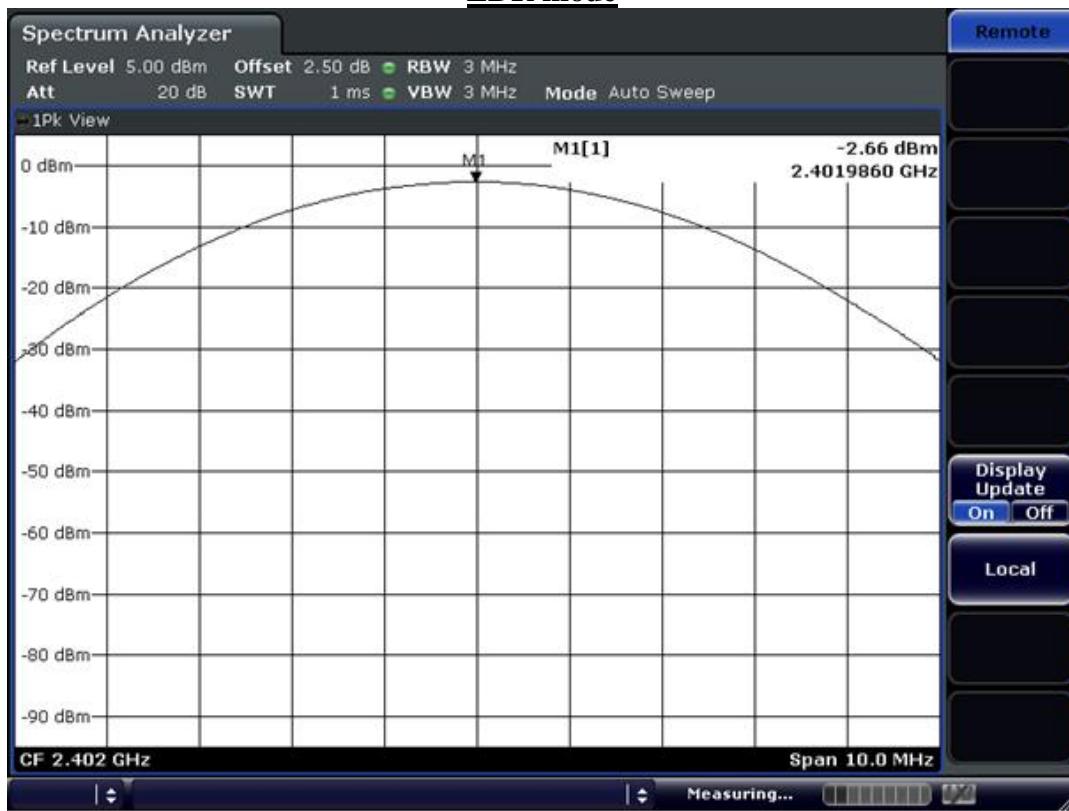
Same as the Chapter 3.2.1 (Figure 1)

Channel 1

Basic mode

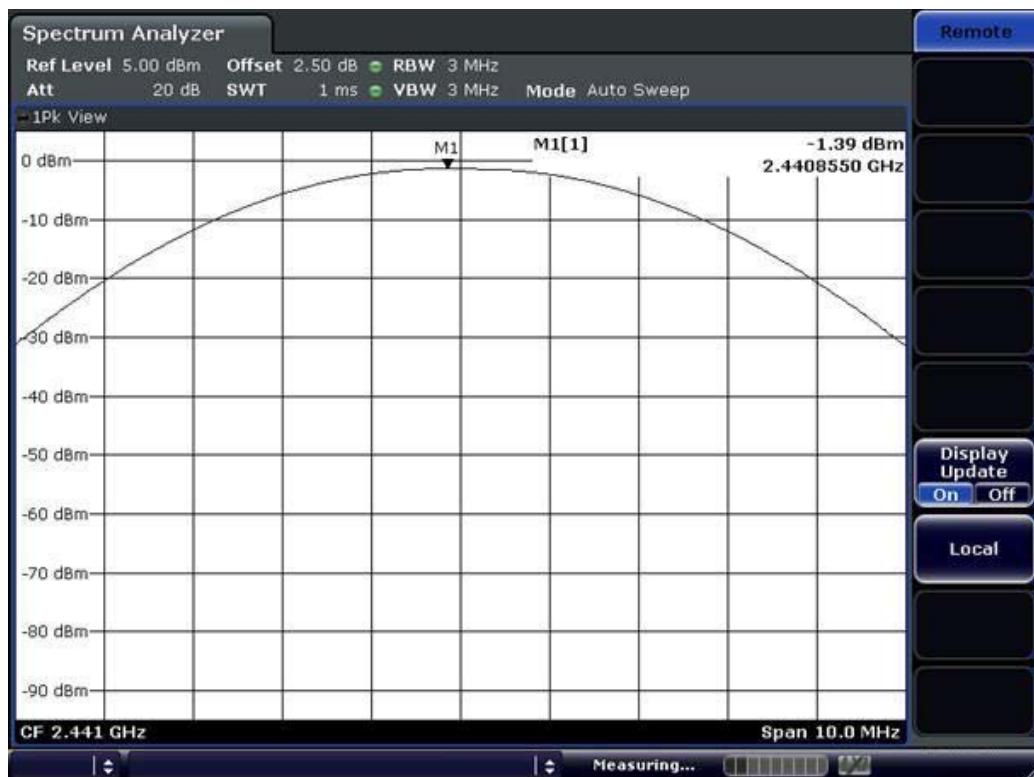


EDR mode

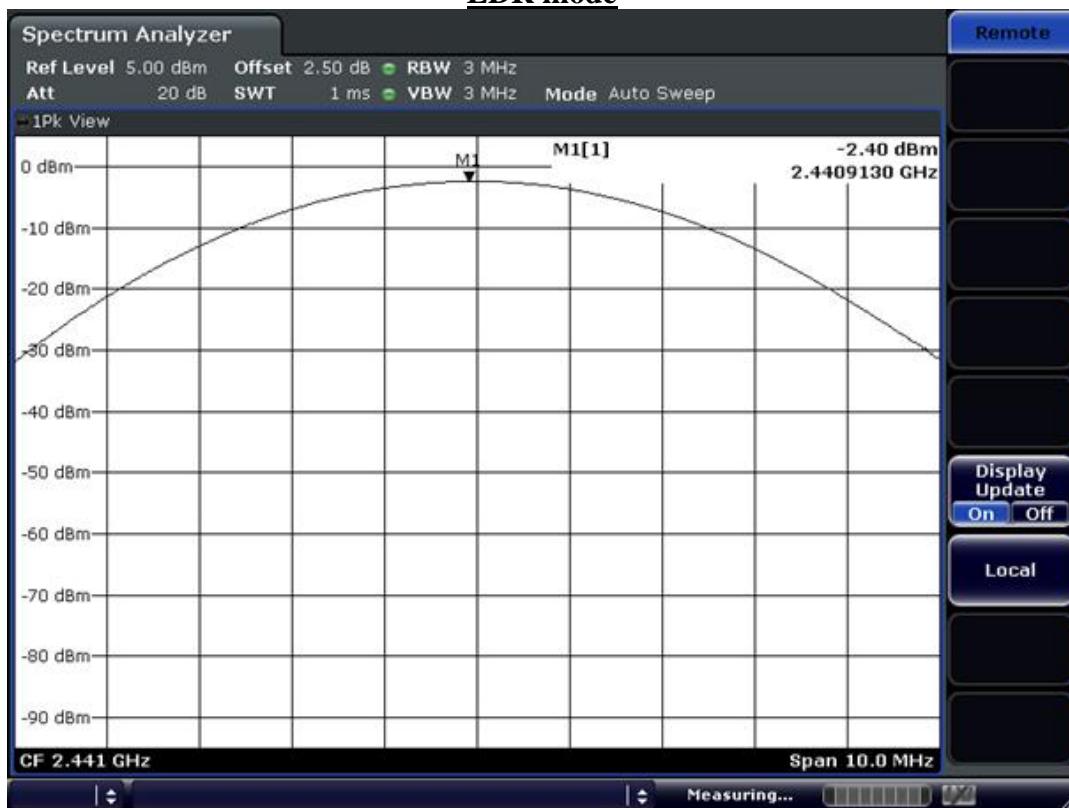


Channel 2

Basic mode

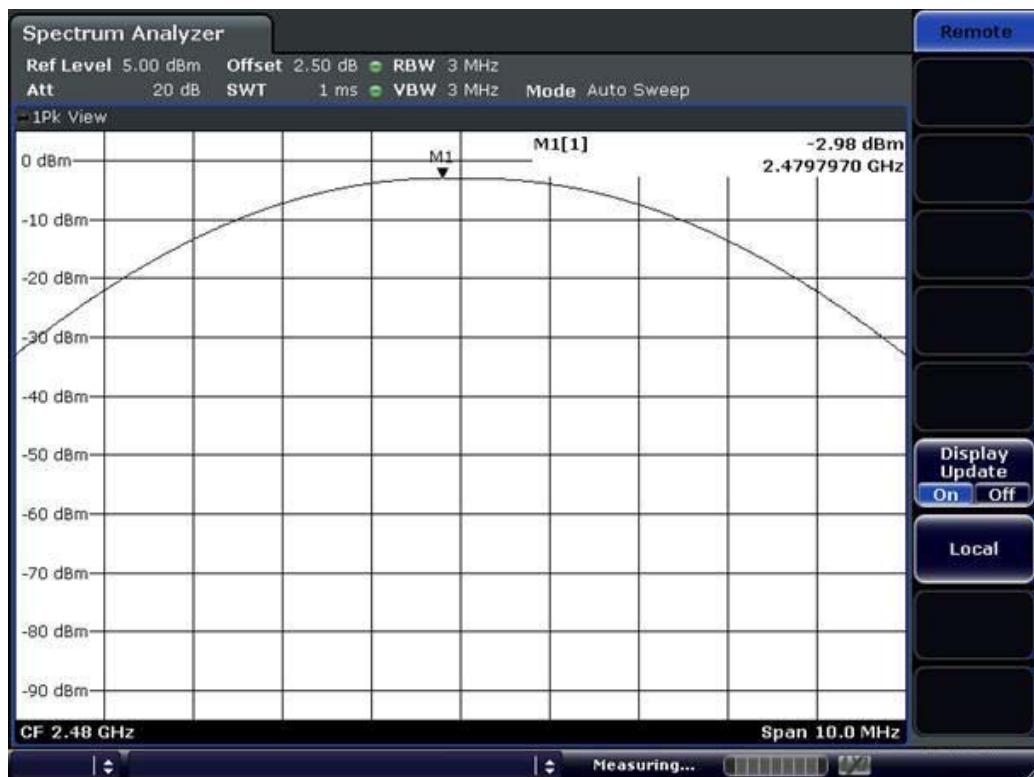


EDR mode

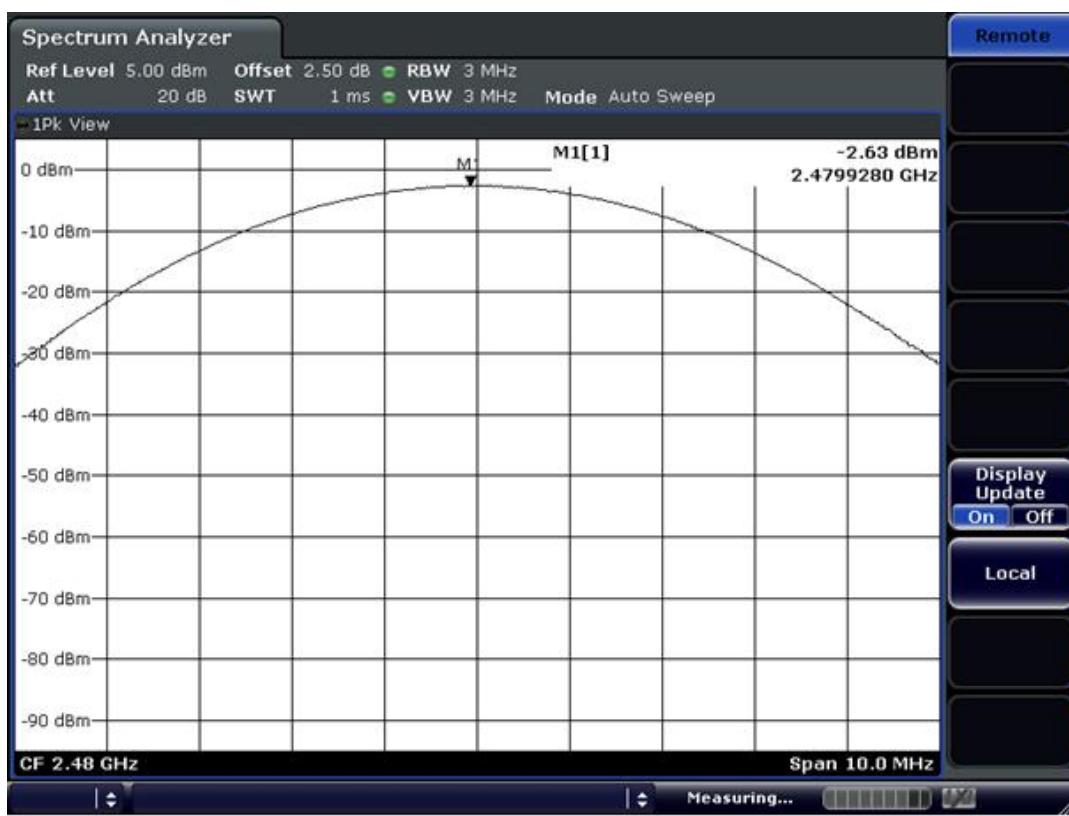


Channel 3

Basic mode



EDR mode



3.2.6 Band Edge

Procedure:

The bandwidth at 20dB down from the highest inband spectral density is measured with a spectrum analyzer connected to the antenna terminal, while EUT had its hopping function disabled at the highest, middle and the lowest available channels.

After the trace being stable, Use the marker-to-peak function to measure 20 dB down both sides of the intentional emission.

The spectrum analyzer is set to:

Center frequency = the highest, middle and the lowest channels

Span = 10 MHz Detector function = peak

Trace = max hold Sweep = auto

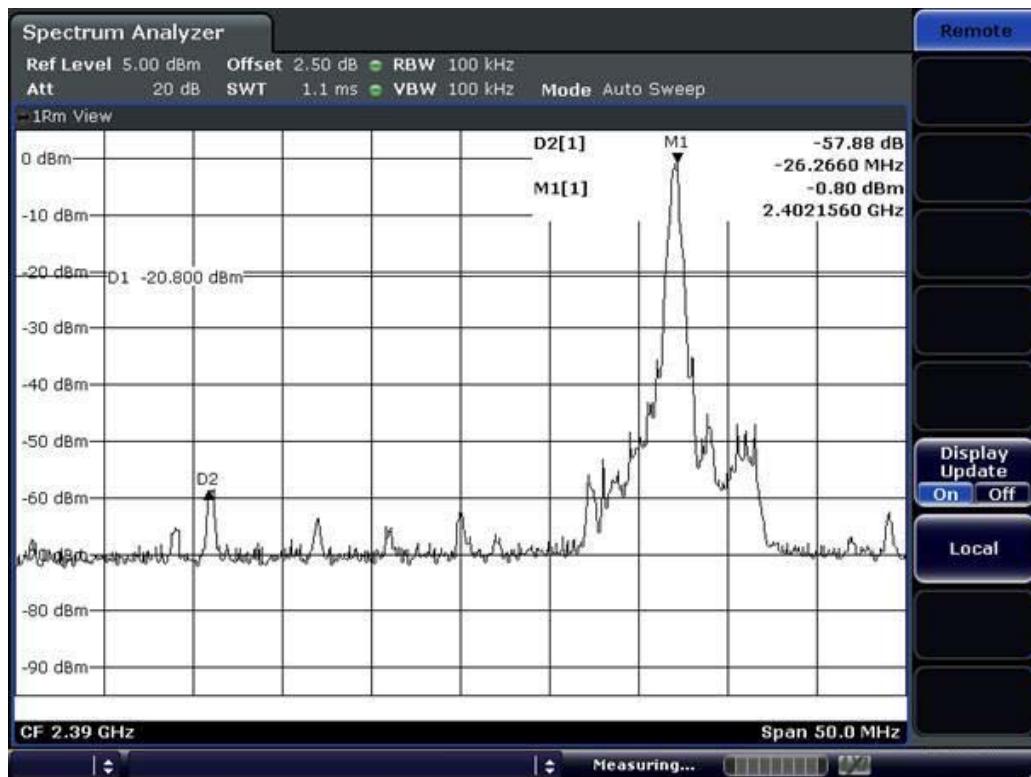
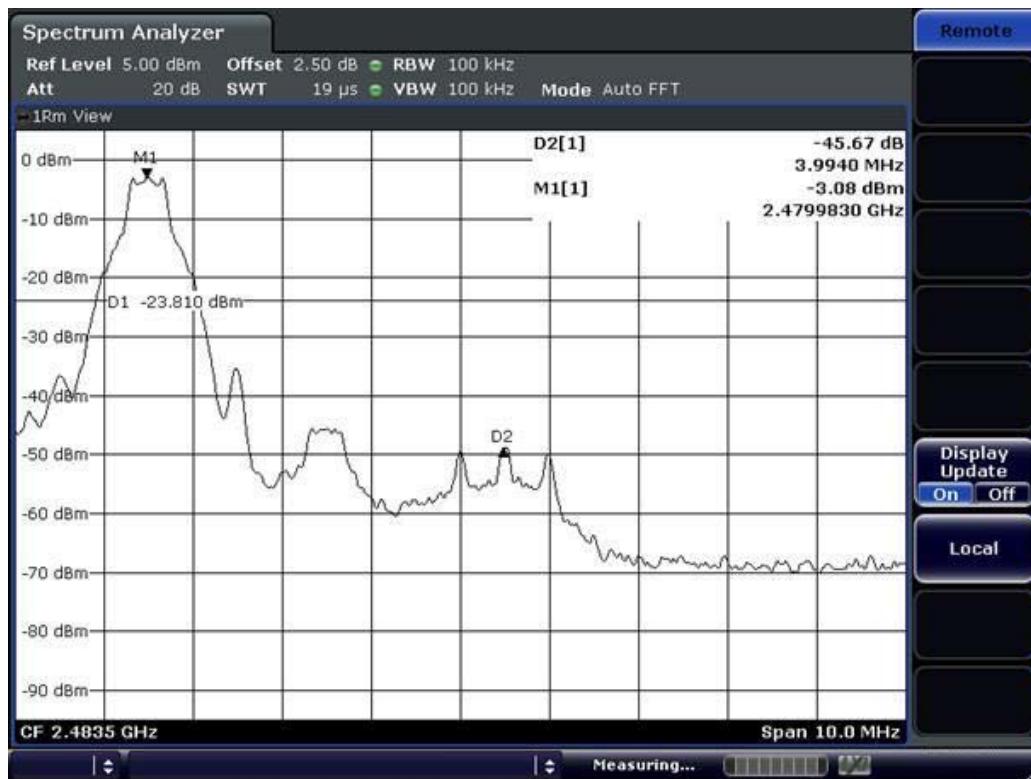
Measurement Data: Complies

- All conducted emission in any 100kHz bandwidth outside of the spread spectrum band was at least 20dB lower than the highest inband spectral density. Therefore the applying equipment meets the requirement.
- See next pages for actual measured spectrum plots.

Minimum Standard:	> 20 dBc
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Measurement Setup

Same as the Chapter 3.2.1 (Figure 1)

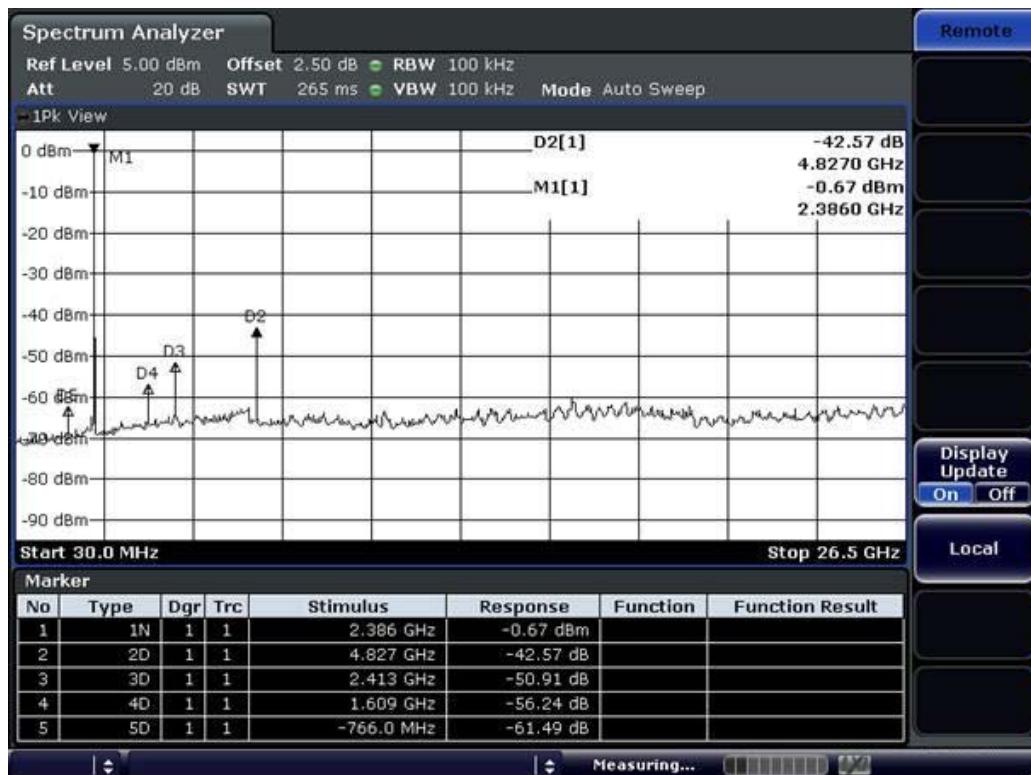
Band – edge of Basic ModeLower edgeUpper edge

Band-edges in the restricted band 2483.5 ~ 2500 MHz measurement**- Document DA 00-705 Marker Delta Method**

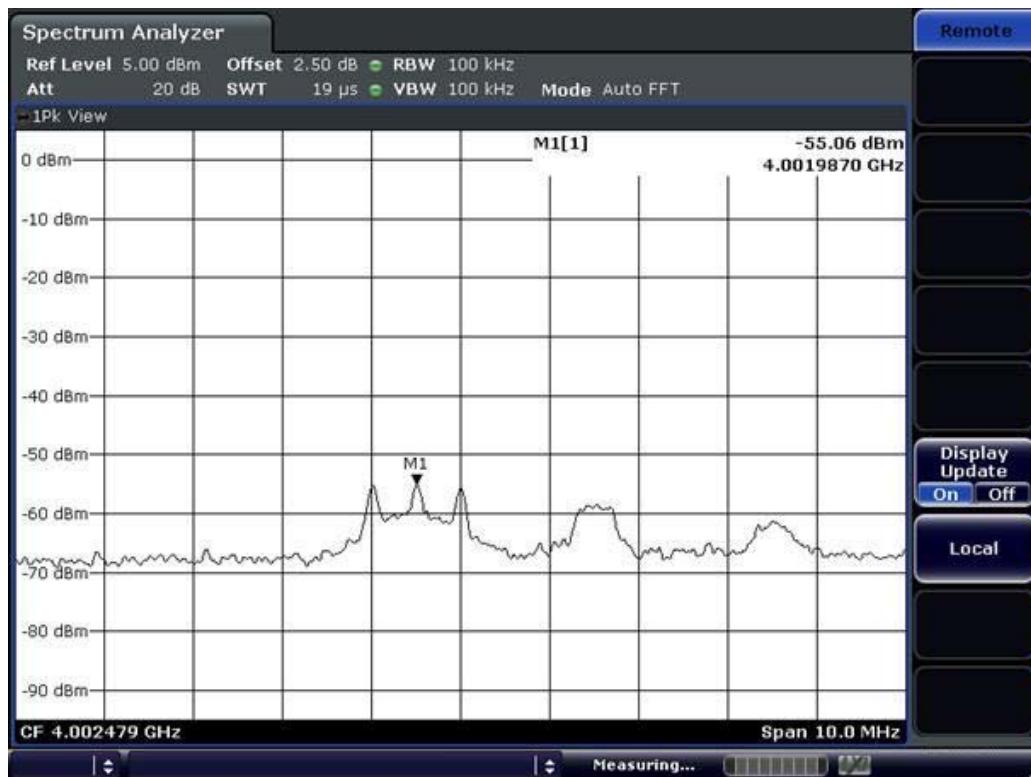
Frequency (MHz)	Detect mode	Pol.	Reading (dBuV/m)	T.F (dB)	Step 1 Data	delta	Step 3 Data	Limit
2483.5	PK	H	97	1.1	98.1	45.67	52.43	74
	AV	H	76.5	1.1	77.6	45.67	31.93	54

Note) Step 1 = Reading + T.F**(T.F = Ant.F + Cable loss – PreAmp Gain)****Step 3 = Step 1 – Delta Value**

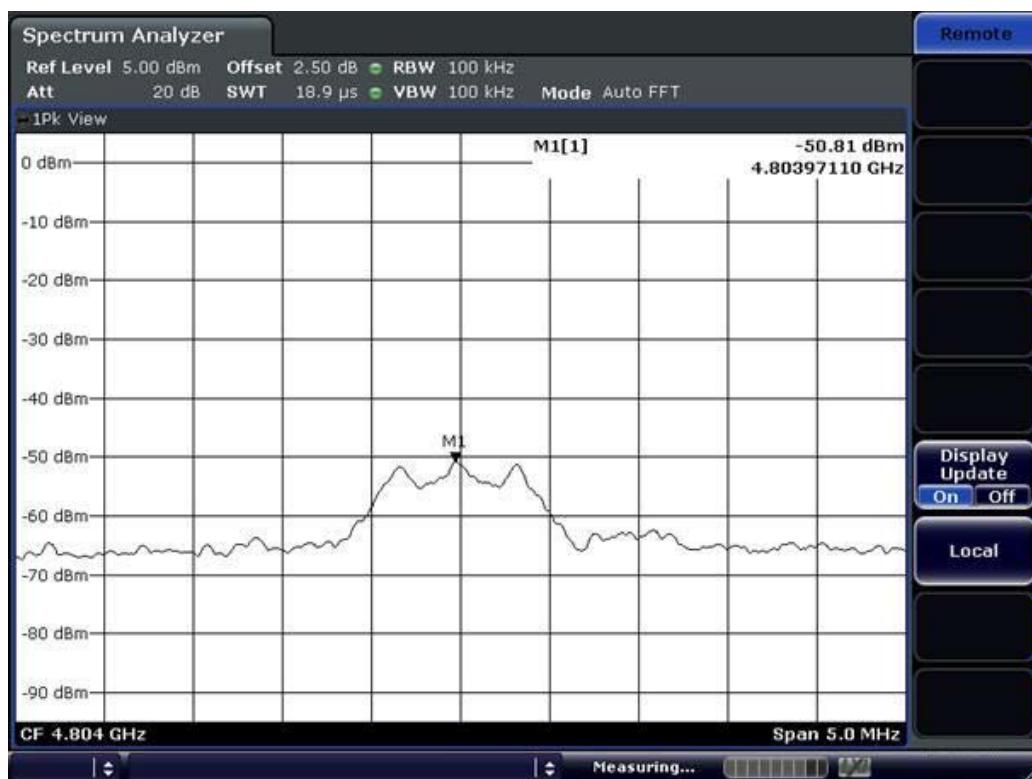
Unwanted Emission – Low channel
Frequency Range = 30 MHz ~ 26.5 GHz



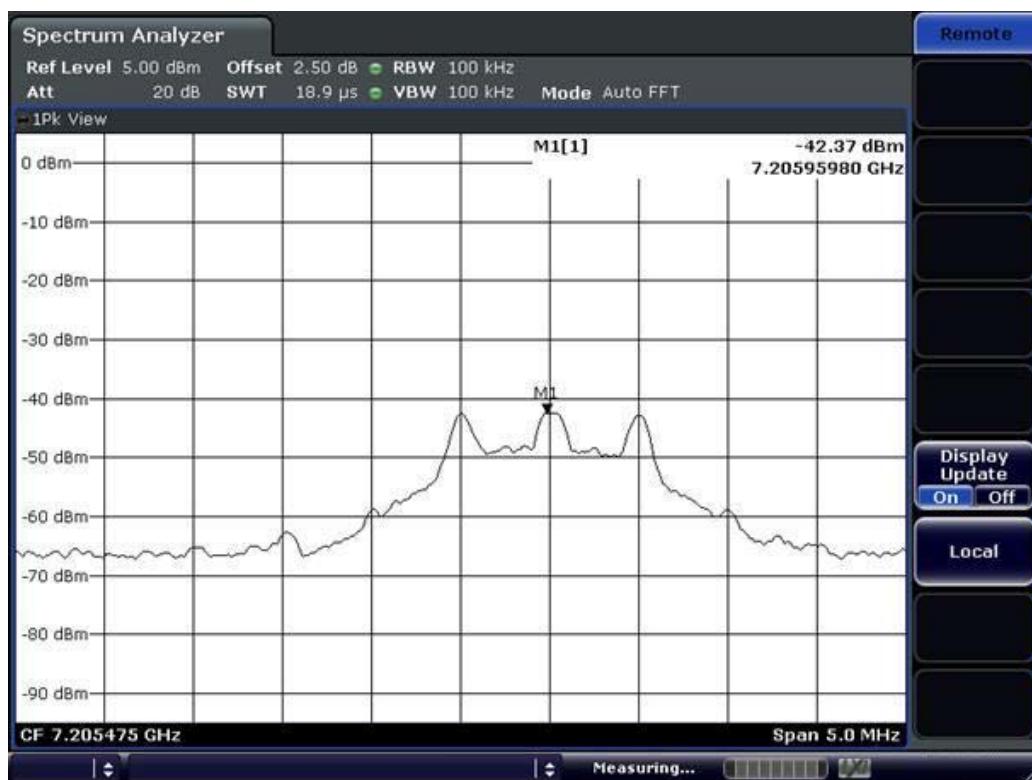
-55.06 dBm at 4.002 GHz



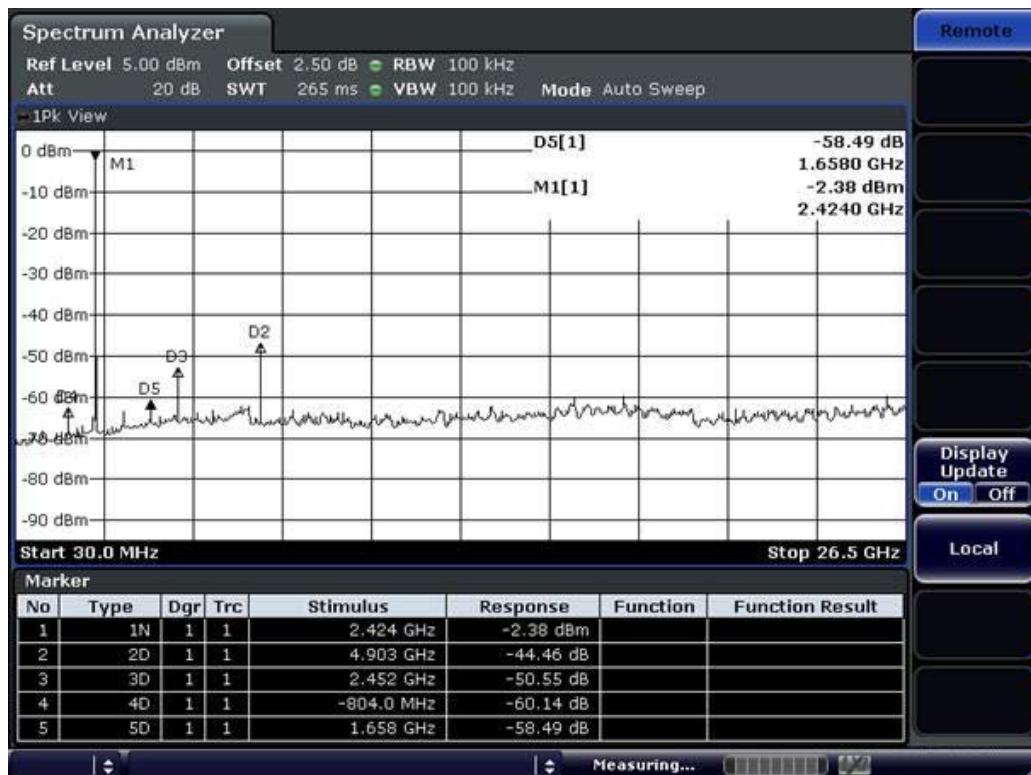
-50.81 dBm at 4.804 GHz



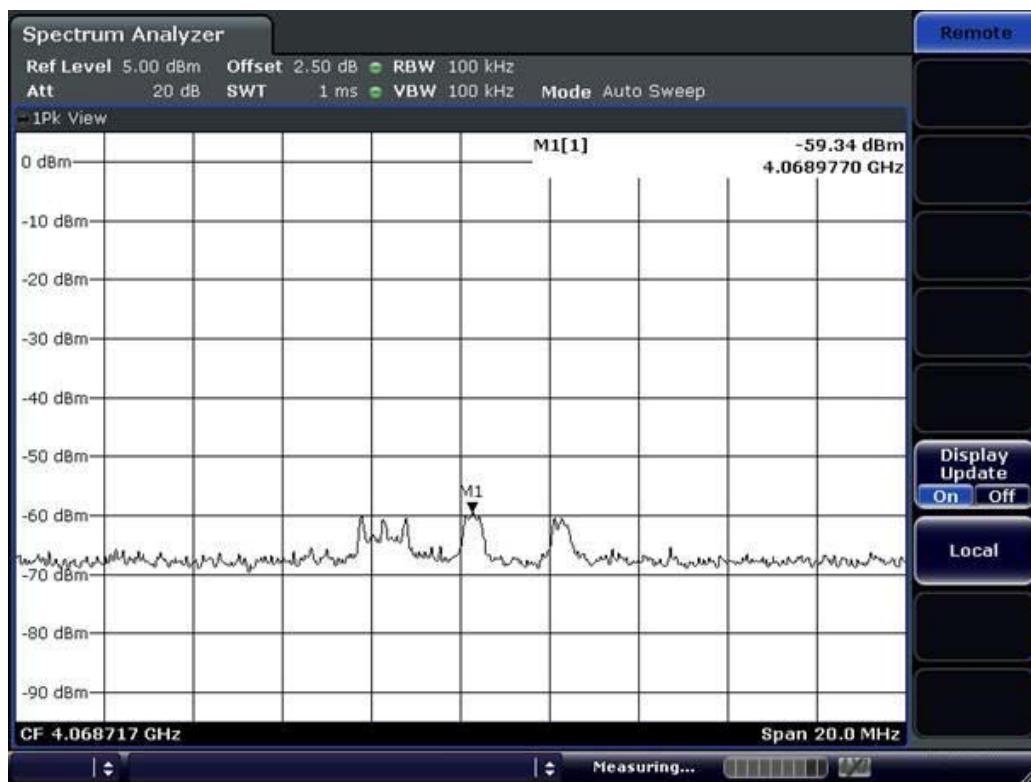
-42.37 dBm at 7.206 GHz



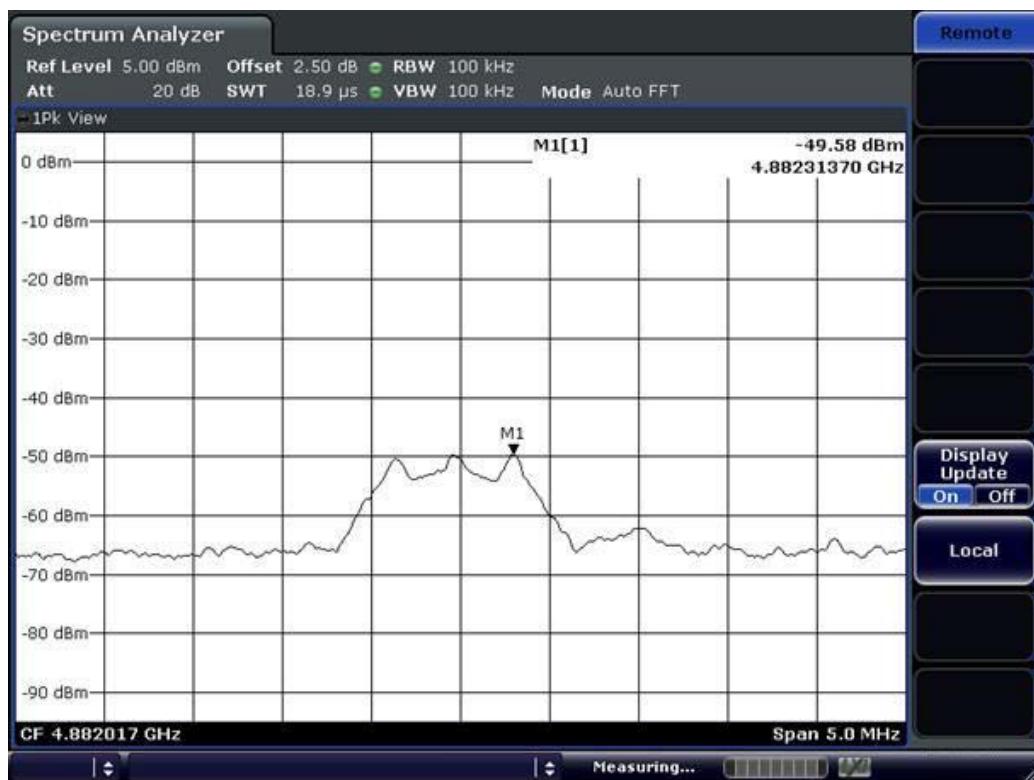
Unwanted Emission – Middle channel
Frequency Range = 30 MHz ~ 26.5 GHz



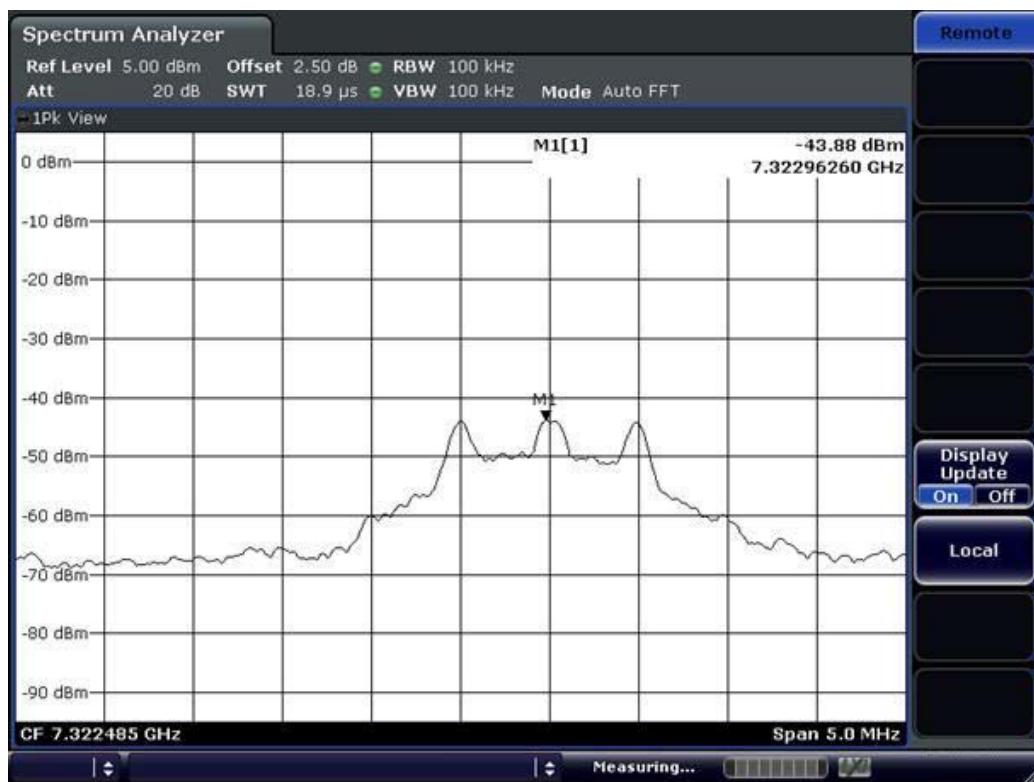
-59.34 dBm at 4.069 GHz



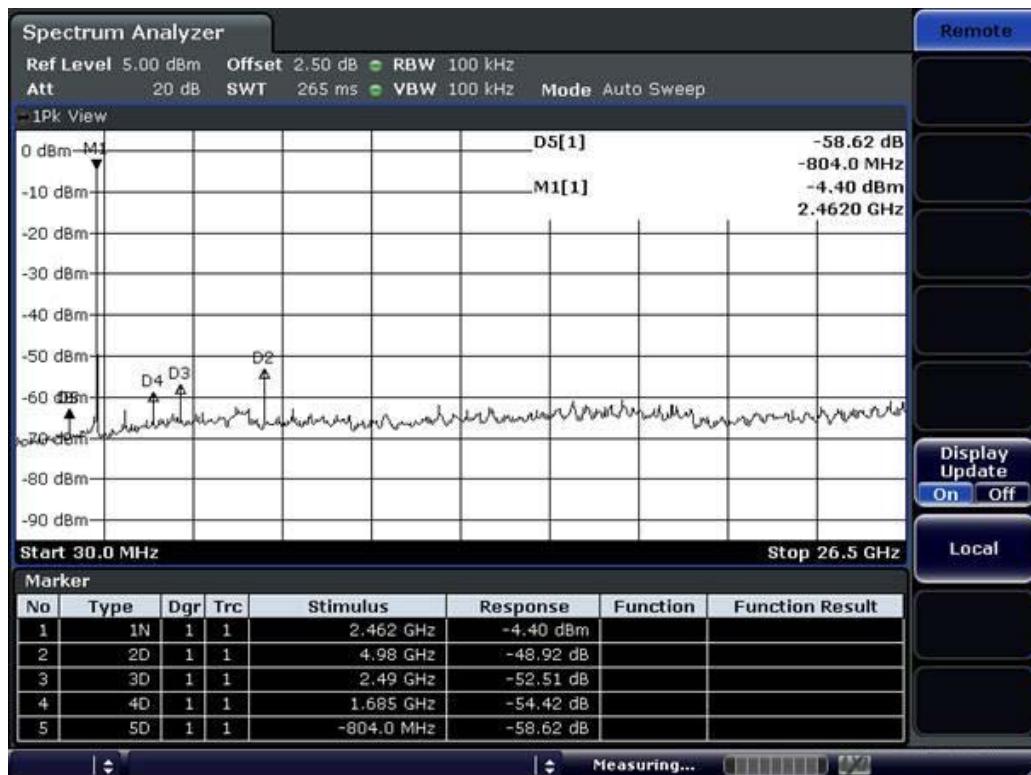
-49.58 dBm at 4.882 GHz



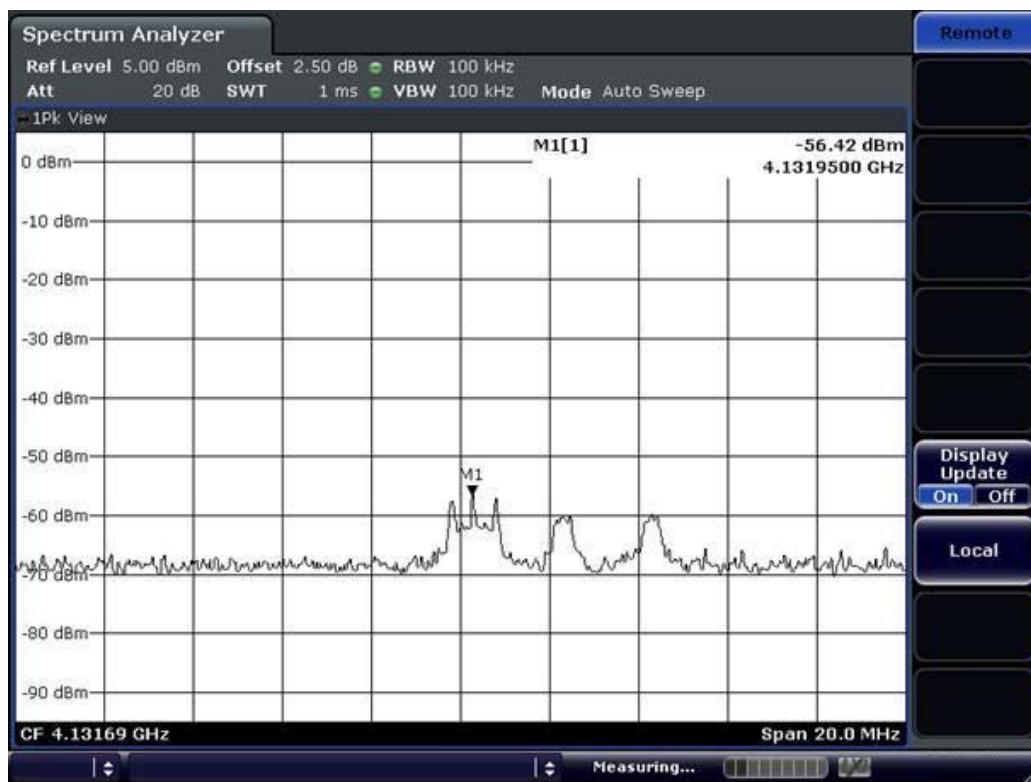
-43.88 dBm at 7.323 GHz

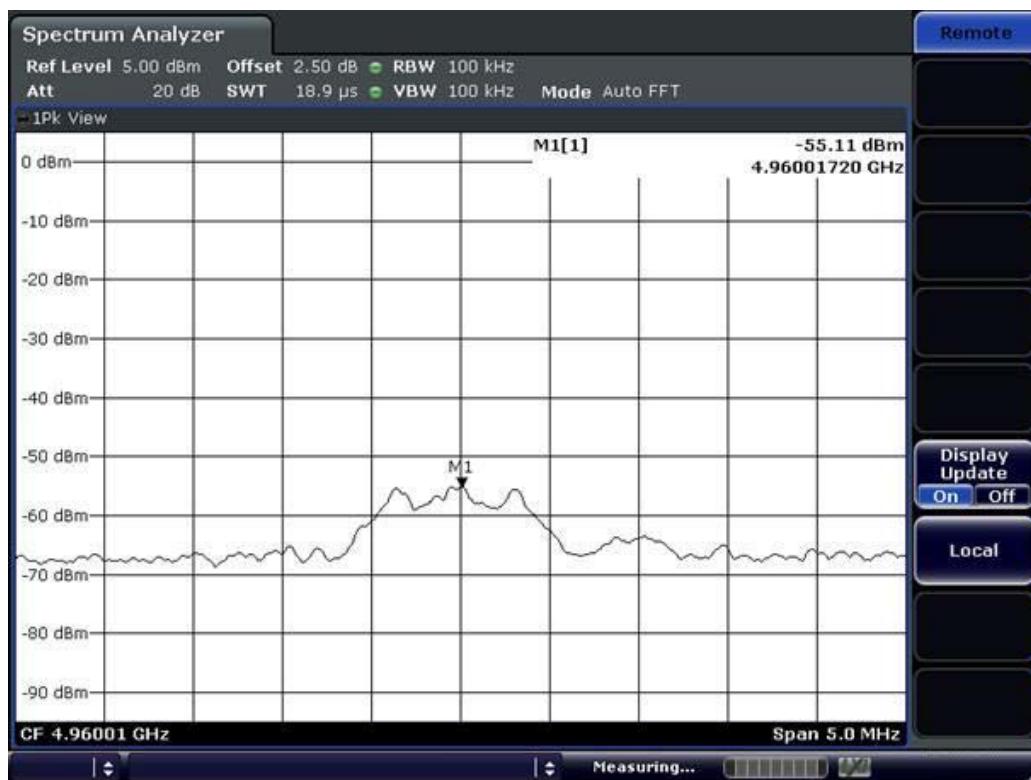
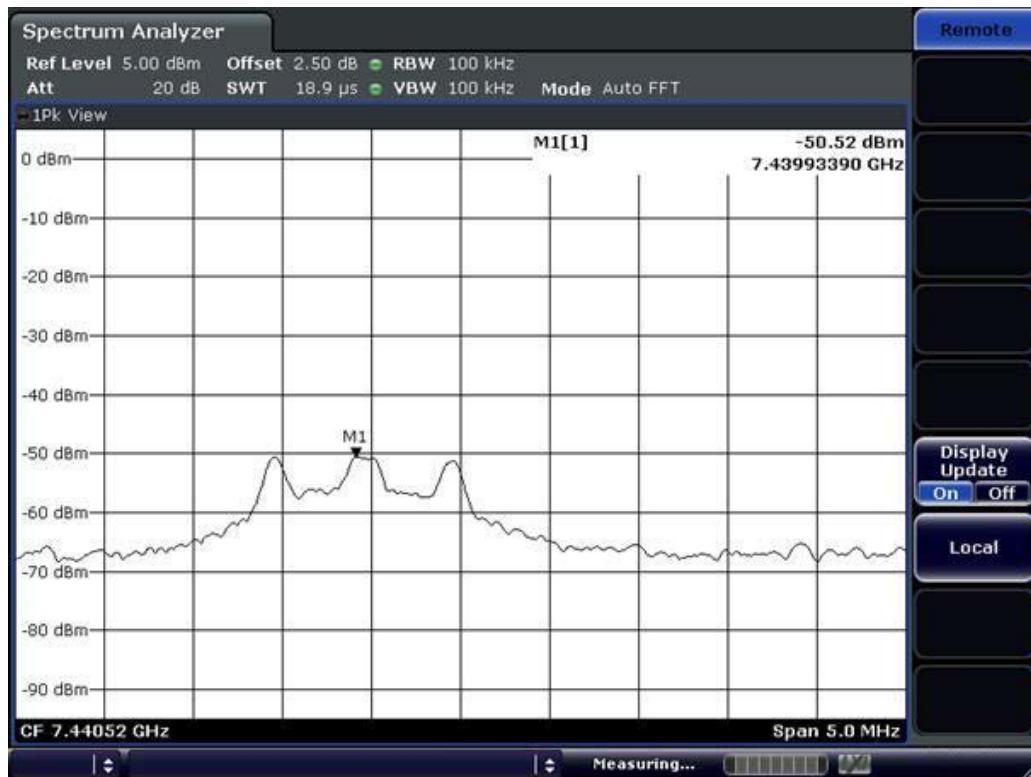


Unwanted Emission – High channel
Frequency Range = 30 MHz ~ 26.5 GHz



-56.42 dBm at 4.132 GHz



-55.11 dBm at 4.960 GHz-50.52 dBm at 7.440 GHz

3.2.7 Field Strength of Harmonics

Procedure:

The EUT was placed on a 0.8m high wooden table inside a shielded enclosure. An antenna was placed near the EUT and measurements of frequencies and amplitudes of field strengths were recorded for reference during final measurements. For final radiated testing, measurements were performed in OATS. Measurements were performed with the EUT oriented in 3 orthogonal axis and rotated 360 degrees to determine worst-case orientation for maximum emissions.

The spectrum analyzer is set to:

Center frequency = the worst channel

Frequency Range = 30 MHz ~ 10th harmonic.

RBW = 100 kHz (30MHz ~ 1 GHz)

Peak:VBW ≥ RBW

= 1 MHz (1 GHz ~ 10th harmonic)

Average:VBW=10Hz

Span = 100 MHz

Detector function = Peak and Average

Trace = max hold

Sweep = auto

Measurement Data: Complies

- Refer to the next page.
- No other emissions were detected at a level greater than 10dB below limit.
- The three antennas were used with this EUT during the Testing.
- The used antenna is “R-AN2400-1901RS” and it gave the worse case emissions.

Minimum Standard: FCC Part 15.209(a)

Frequency (MHz)	Limit (uV/m) @ 3m
30 ~ 88	100 **
88 ~ 216	150 **
216 ~ 960	200 **
Above 960	500

** Except as provided in 15.209(g), fundamental emissions from intentional radiators operating under this Section shall not be located in the frequency bands 54-72 MHz, 76-88MHz, 174-216MHz or 470-806MHz. However, operation within these frequency bands is permitted under other sections of this Part, e.g. 15.231 and 15.241.

Measurement Data:**1. PEAK data**

Low channel		Mid channel		High channel	
Frequency (MHz)	Level (dBuV/m)	Frequency (MHz)	Level (dBuV/m)	Frequency (MHz)	Level (dBuV/m)
4084	53.53	4881	55.53	4959	57.50
7206	57.03	7323	54.33	7440	55.12
-	-	-	-	-	-
Measurement uncertainty		\pm 6 dB			

No other emissions were detected at a level greater than 20dB below limit.

2. AVERAGE data

Low channel		Mid channel		High channel	
Frequency (MHz)	Level (dBuV/m)	Frequency (MHz)	Level (dBuV/m)	Frequency (MHz)	Level (dBuV/m)
4084	43.20	4881	46.03	4959	46.00
7206	46.53	7323	45.50	7440	44.03
-	-	-	-	-	-
Measurement uncertainty		\pm 6 dB			

No other emissions were detected at a level greater than 20dB below limit.

Normal operation mode

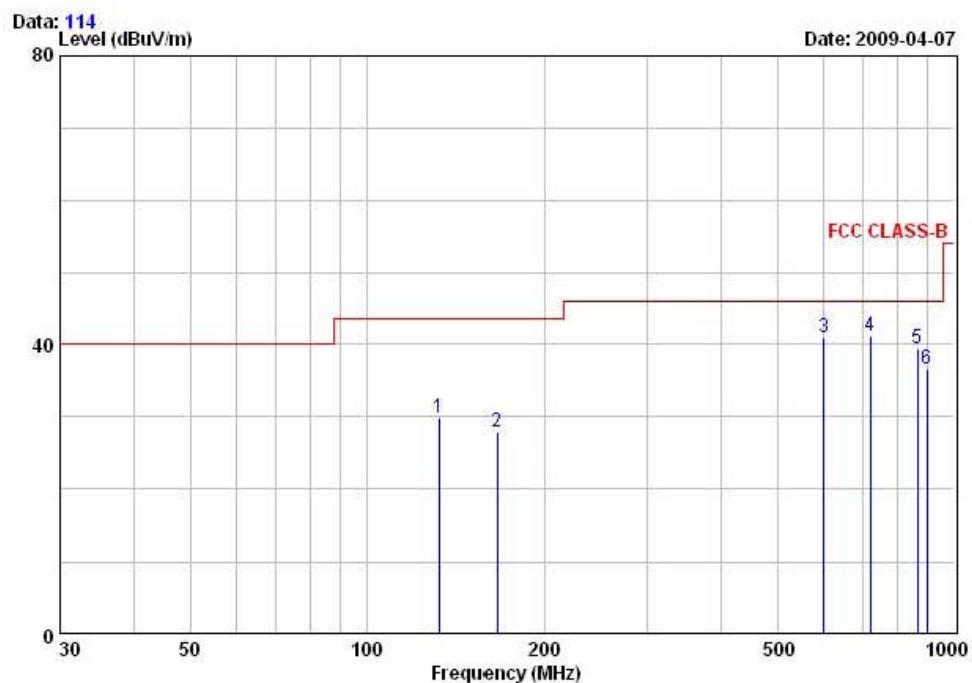
243 Jubug-ri, yangji-Myeon, Youngin-si,
Gyeonggi-do 449-822 Korea
Tel :+82-31-3236008,9
Fax:+82-31-3236010

EUT/Model No.: S5 PREMIUM H

TEST MODE: PC+ mode

Temp Humi : 18 / 32

Tested by: KIM.K.I



Freq MHz	Reading dBuV	C.F dB	Result QP dBuW/m	Limit		Margin dB	Height cm	Angle deg	Polarity
				QP dBuV/m	dB				
1 132.90	42.30	-12.37	29.93	43.50	13.57	298	158	HORIZONTAL	
2 166.29	39.80	-11.88	27.92	43.50	15.58	100	95	VERTICAL	
3 600.00	43.20	-2.32	40.88	46.00	5.12	100	274	VERTICAL	
4 719.95	41.30	-0.08	41.22	46.00	4.78	100	183	HORIZONTAL	
5 865.47	36.30	3.07	39.37	46.00	6.63	100	322	HORIZONTAL	
6 900.02	33.20	3.53	36.73	46.00	9.27	214	105	HORIZONTAL	

Remarks: C.F (Correction Factor) = Antenna factor + Cable loss - Preamp gain

3.2.8 AC Conducted Emissions

Procedure:

The conducted emissions are measured in the shielded room with a spectrum analyzer in peak hold. While the measurement, EUT had its hopping function disabled at the middle channels in line with Section 15.31(m). Emissions closest to the limit are measured in the quasi-peak mode (QP) with the tuned receiver using a bandwidth of 9 kHz. The emissions are maximized further by cable manipulation and Exerciser operation. The highest emissions relative to the limit are listed.

Measurement Data: Complies

- See next pages for actual measured spectrum plots.
- No emissions were detected at a level greater than 10dB below limit.
- The used antenna is “R-AN2400-1901RS” and it gave the worse case emissions.

Minimum Standard: FCC Part 15.207(a)/EN 55022

Frequency Range (MHz)	Conducted Limit (dBuV)	
	Quasi-Peak	Average
0.15 ~ 0.5	66 to 56 *	56 to 46 *
0.5 ~ 5	56	46
5 ~ 30	60	50

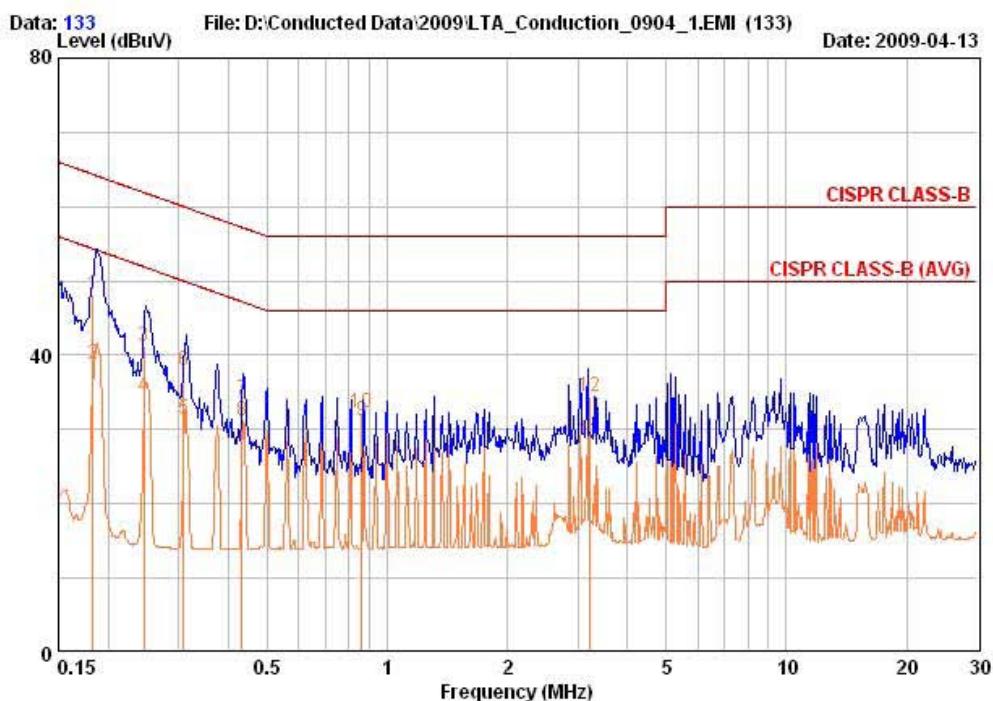
* Decreases with the logarithm of the frequency

AC Conducted Emissions at normal operation mode – Line

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Tel :+82-31-323-6008
Fax :+82-31-323-6010

EUT / Model No. : S5 PREMIUM H Phase : LINE

Test Mode : PC+ mode Test Power : 120 / 60
Temp./Humi. : 23 / 27 Test Engineer : KIM.K.I



Freq MHz	RD QP	RD AV	C. F	Result QP	Result AV	Limit QP	Limit AV	Margin QP	Margin AV
	dBuV	dBuV	dB	dBuV	dBuV	dBuV	dBuV	dB	dB
	0.183	38.30	28.80	9.97	48.27	38.77	64.35	54.35	16.08
0.245	31.40	24.60	9.84	41.24	34.44	61.92	51.92	20.69	17.49
0.309	28.00	21.50	9.87	37.87	31.37	60.00	50.00	22.13	18.63
0.432	24.10	21.20	9.92	34.02	31.12	57.21	47.21	23.19	16.09
0.864	22.30	21.10	10.03	32.33	31.13	56.00	46.00	23.67	14.87
3.215	24.30	18.40	10.21	34.51	28.61	56.00	46.00	21.49	17.39

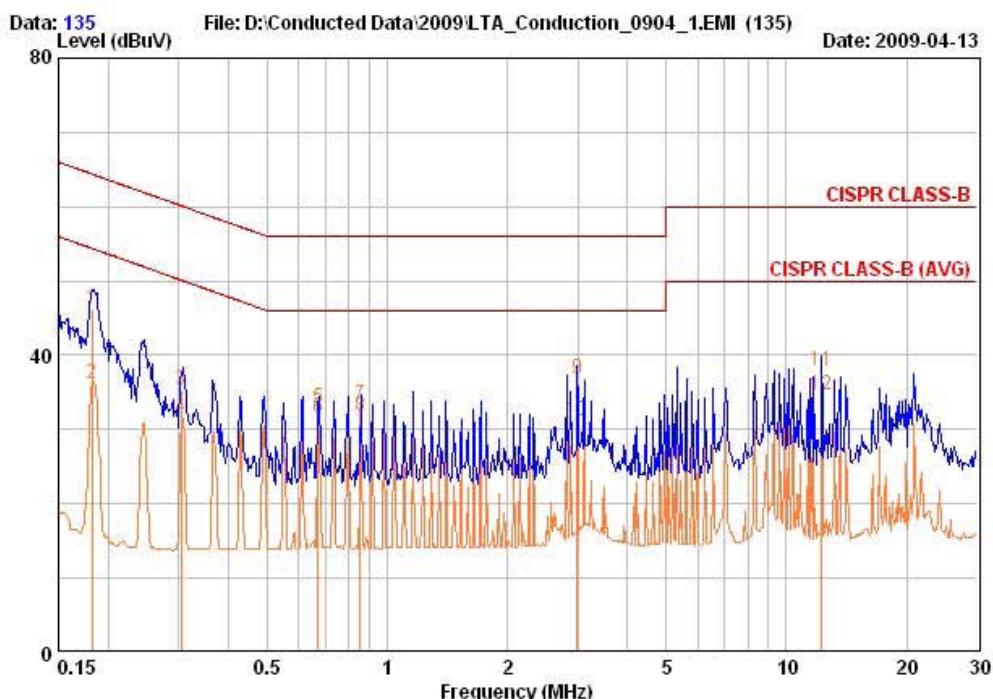
Remarks: C.F (Correction Factor) = Insertion loss + Cable loss

AC Conducted Emissions at normal operation mode – Neutral

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Tel :+82-31-323-6008
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EUT / Model No. : S5 PREMIUM H Phase : NEUTRAL

Test Mode : PC+ mode Test Power : 120 / 60
Temp./Humi. : 23 / 27 Test Engineer : KIM.K.I



Freq MHz	RD QP	RD AV	C. F	Result QP	Result AV	Limit QP	Limit AV	Margin QP	Margin AV
	dBuV	dBuV	dB	dBuV	dBuV	dBuV	dBuV	dB	dB
	0.182	36.30	26.10	10.01	46.31	36.11	64.39	54.39	18.08
0.305	25.50	21.80	9.87	35.37	31.67	60.11	50.11	24.74	18.44
0.672	22.80	21.50	10.03	32.83	31.53	56.00	46.00	23.17	14.47
0.854	23.30	21.70	10.03	33.33	31.73	56.00	46.00	22.67	14.27
2.989	26.60	21.00	10.20	36.80	31.20	56.00	46.00	19.20	14.80
12.264	27.10	23.90	10.73	37.83	34.63	60.00	50.00	22.17	15.37

Remarks: C.F (Correction Factor) = Insertion loss + Cable loss

APPENDIX

TEST EQUIPMENT USED FOR TESTS

	Description	Model No.	Serial No.	Manufacturer	Next Cal. Date
1	Spectrum Analyzer	8594E	3649A03649	HP	Apr-10
2	Signal Generator	8648C	3623A02597	HP	Apr-10
3	Attenuator (3dB)	8491A	37822	HP	Oct-09
4	Attenuator (10dB)	8491A	63196	HP	Oct-09
5	EMI Test Receiver	ESVD	843748/001	R&S	Aug-09
6	LISN	ENV216	100408	R&S	Oct-09
7	Two-Line V-Network	ESH3-Z5	893045/017	R&S	Oct-09
8	RF Amplifier	8447D	2944A07684	HP	Oct-09
9	RF Amplifier	8447D	2439A09058	HP	Oct-09
10	RF Amplifier	8449B	3008A02126	HP	Apr-10
11	Test Receiver	ESHS10	828404009	R&S	Aug-09
12	TRILOG Antenna	VULB 9160	9160-3212	SCHWARZBECK	Jul-09
13	Log.-Per. Antenna	VULP 9118	9118 A 401	SCHWARZBECK	Apr-10
14	Biconical Antenna	BBA 9106	VHA 9103-2315	SCHWARZBECK	Apr-10
15	Horn Antenna	3115	00055005	ETS LINDGREN	Apr-10
16	Dipole Antenna	VHA9103	2116	Schwarzbeck	Nov-09
17	Dipole Antenna	VHA9103	2117	Schwarzbeck	Nov-09
18	Dipole Antenna	UHA9105	2261	Schwarzbeck	Nov-09
19	Dipole Antenna	UHA9105	2262	Schwarzbeck	Nov-09
20	Spectrum Analyzer	FSV-30	100757	R&S	Feb-10
21	Spectrum Analyzer	8563E	3425A02505	HP	Apr-10
22	Hygro-Thermograph	THB-36	0041557-01	ISUZU	Apr-10
23	Splitter (SMA)	ZFSC-2-2500	SF617800326	Mini-Circuits	Jun-09
24	RF Switch	MP59B	6200414971	ANRITSU	Jun-09
25	RF Switch	MP59B	6200438565	ANRITSU	Jun-09
26	Power Divider	11636A	6243	HP	Oct-09
27	DC Power Supply	6622A	3448A03079	HP	Oct-09
28	Attenuator (30dB)	11636A	6243	HP	Oct-09
29	Frequency Counter	5342A	2826A12411	HP	Apr-10
30	Power Meter	EPM-441A	GB32481702	HP	Apr-10
31	Power Sensor	8481A	2702A64048	HP	Apr-10
32	Audio Analyzer	8903B	3729A18901	HP	Oct-09
33	Modulation Analyzer	8901B	3749A05878	HP	Oct-09
34	TEMP & HUMIDITY Chamber	YJ-500	L05022	JinYoung Tech	Oct-09
35	LOOP-ANTENNA	FMZB 1516	151602/94	SCHWARZBECK	Apr-10
36	Stop Watch	HS-3	601Q09R	CASIO	Apr-10