HYUNDAI CALIBRATION & CERTIFICATION TECH. CO., LTD.

Product Compliance Division, EMC Team

SAN 136-1, AMI-RI , BUBAL-EUP, ICHEON-SI, KYOUNKI-DO, 467-701, KOREA

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CERTIFICATE OF COMPLIANCE

FCC PART 15.247 Certification

Applicant Name:

Ezze Mobile Tech., Inc.
3rd Floor, Bubmusa Bldg., 151-31, Nonhyun-dong,
Kangnam-ku, Seoul, Korea

Date of Testing:

May 01 – May 10, 2007

Test Site/Location:
HYUNDAI CALIBRATION & CERTIFICATION TECH. CO., LTD.,
San 136-1 Ami-ri, Bubal-eup, Icheon-si,
Kyungki-do, Korea

Test Report No.: HCT-R07-009

FCC ID: RV2ZMEM1075B

APPLICANT: Ezze Mobile Tech., Inc.

Model(s):	ZMEM1075
EUT Type:	Dual -Band GSM Phone with Bluetooth (GSM 850/ PCS1900) – Prototype
Max. RF Output Power:	1 dBm
Frequency Range:	2402 - 2480 MHz (Bluetooth)
FCC Classification:	FCC Part 15 Frequency Hopping Spread Spectrum Transceiver
FCC Rule Part(s):	Part 15 subpart C 15.247
Application Type:	Certification

Engineering Statement:

The measurements shown in this report were made in accordance with the procedures indicated, and the emissions from this equipment were found to be within the limits applicable. I assume full responsibility for the accuracy and completeness of these measurements, and for the qualifications of all persons taking them.

HYUNDAI CALIBRATION & CERTIFICATION TECH. CO., LTD. Certifies that no party to this application has been denied FCC benefits pursuant to section 5301 of the Anti-Drug Abuse Act of 1998,21 U.S. C.853(a)

Report prepared by
: Youn Seok Jung
Test engineer of RF Part

Approved by
: Sang Jun Lee
Manager of RF Part

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1. General Information

Applicant:	3rd Floor, Bubmusa Bldg., 151-31, Nonhyun-dong, Kangnam-ku, Seoul, Korea
EUT:	Dual -Band GSM Phone with Bluetooth (GSM 850/ PCS1900) – Prototype
Model:	ZMEM1075
Date of Test:	May 10, 2007

2. EUT DESCRIPTION

Product	Dual -Band GSM Phone with Bluetooth (GSM 850/ PCS1900) – Prototype
Model	ZMEM1075
Power Supply	DC 3.8 V
Frequency Range	2402 ~ 2480 MHz
Transmit Power	1 dBm
Modulation Technique	FHSS(GMSK)
Number of Channels	79 Channels
Antenna Specification	Manufacturer: Partron Co., Ltd. Antenna type: Dielectric Chip Antenna Gain (Peak / Avg) [dBi] 4.01 / -2.4

3. TEST METHODOLOGY

The tests documented in this report were performed in accordance with ANSI C63.4. (Version :2003) Radiated testing was performed at an antenna to EUT distance 3 meters.

3.1 EUT CONFIGURATION

The EUT configuration for testing is installed on RF field strength measurement to meet the Commissions requirement and operating in a manner that intends to maximize its emission characteristics in a continuous normal application.

3.2 EUT EXERCISE

The EUT was operated in the engineering mode to fix the Tx frequency that was for the purpose of the measurements. According to its specifications, the EUT must comply with the requirements of the Section 15.207, 15.209 and 15.247 under the FCC Rules Part 15 Subpart C.

3.3 GENERAL TEST PROCEDURES

Conducted Emissions

The EUT is placed on the turntable, which is 0.8 m above ground plane. According to the requirements in Section 13.1.4.1 of ANSI C63.4. (Version :2003) Conducted emissions from the EUT measured in the frequency range between 0.15 MHz and 30MHz using CISPR Quasi-peak and average detector modes.

Radiated Emissions

The EUT is placed on a turn table, which is 0.8 m above ground plane. The turntable shall rotate 360 degrees to determine the position of maximum emission level. EUT is set 3 m away from the receiving antenna, which varied from 1 m to 4 m to find out the highest emission. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical. In order to find out the max. emission, the relative positions of this hand-held transmitter (EUT) was rotated through three orthogonal axes according to the requirements in Section 13.1.4.1 of ANSI C63.4. (Version: 2003)

3.4 DESCRIPTION OF TEST MODES

The EUT has been tested under operating condition. Test program used to control the EUT for staying in continuous transmitting and receiving mode is programmed.
Channel low, mid and high with highest data rate (worst case) is chosen for full testing.

4. INSTRUMENT CALIBRATION

The measuring equipment, which was utilized in performing the tests documented herein, has been calibrated in accordance with the manufacturer's recommendations for utilizing calibration equipments, which is traceable to recognized national standards.

5. FACILITIES AND ACCREDITATIONS

5.1 FACILITIES

The open area test site and conducted measurement facility used to collect the radiated data are located at the 254-1,Maekok-Ri, Hobup-Myun, Ichon-Si, Kyoungki-Do, 467-701, KOREA. The site is constructed in conformance with the requirements of ANSI C63.4. (Version :2003) and CISPR Publication 22. Detailed description of test facility was submitted to the Commission and accepted dated July 6, 2006(Registration Number: 90661)

5.2 EQUIPMENT

Radiated emissions are measured with one or more of the following types of Linearly polarized antennas: tuned dipole, bi-conical, log periodic, bi-log, and/or ridged waveguide, horn. Spectrum analyzers with pre-selectors and quasi-peak detectors are used to perform radiated measurements. Conducted emissions are measured with Line Impedance Stabilization Networks and EMI Test Receivers. Calibrated wideband preamplifiers, coaxial cables, and coaxial attenuators are also used for making measurements.

All receiving equipment conforms to CISPR Publication 16-1, “Radio Interference Measuring Apparatus and Measurement Methods.”

6. SETUP OF EQUIPMENT UNDER TEST

6.1 SETUP CONFIGURATION OF EUT

See test photographs for the actual connections between EUT and support equipment.

7. FCC PART 15.247 REQUIREMENTS

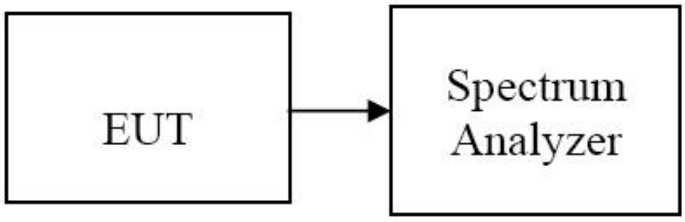
7.1 PEAK POWER

LIMIT

The maximum peak output power of the intentional radiator shall not exceed the following:

1. For systems using digital modulation in the bands of 902 ~ 928 MHz, 2400 ~ 2483.5 MHz, and 5725 ~ 5850 MHz: 1 watt.
2. Except as shown in paragraphs (b)(3) (i), (ii) and (iii) of this section, if transmitting antennas of directional gain greater than 6 dBi are used the peak output power from the intentional radiator shall be reduced below the stated values in paragraphs (b)(1) or (b)(2) of this section, as appropriate, by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

Test Configuration



TEST PROCEDURE

The transmitter output is connected to the Spectrum Analyzer. The Spectrum Analyzer is set to the peak detector mode. The RBW is set to 1MHz. The VBW is set to 3MHz.

TEST RESULTS

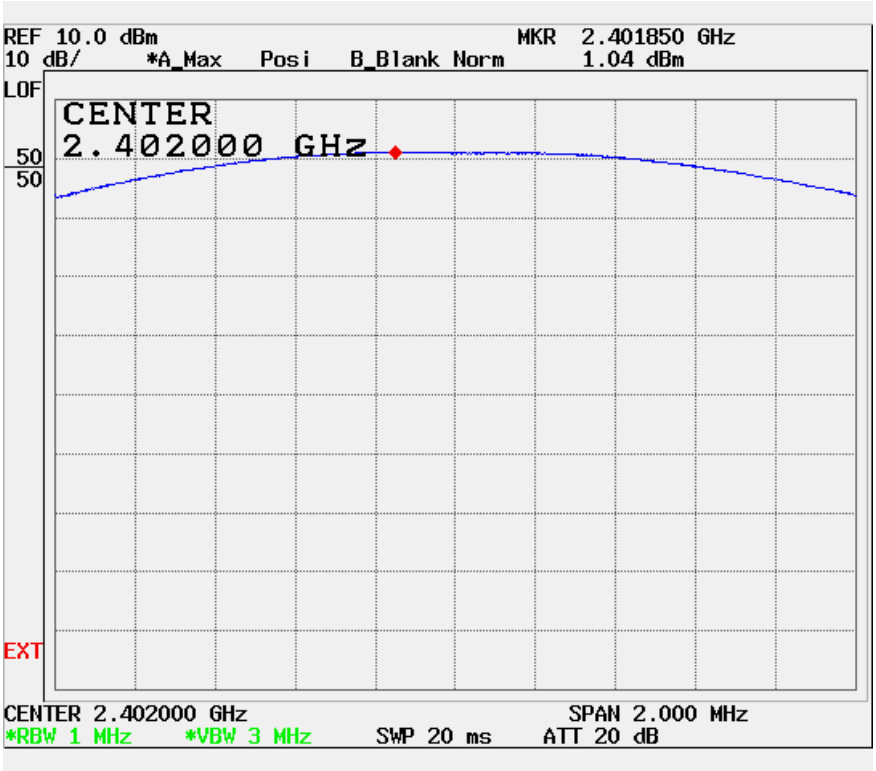
No non-compliance noted

Test Data

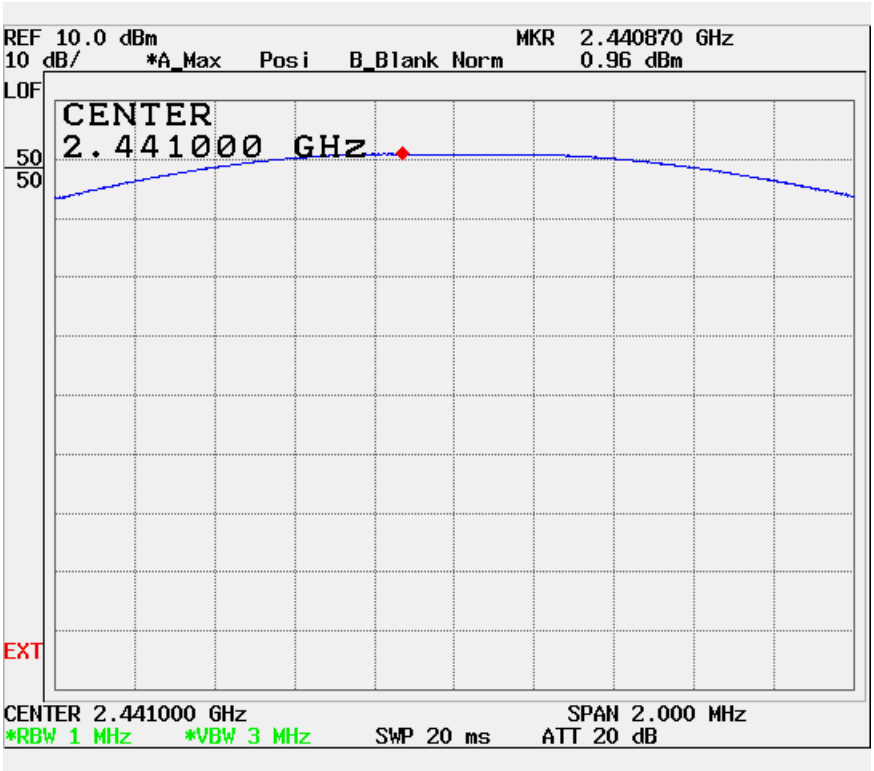
Channel	Frequency (MHz)	Output Power (dBm)	Output Power (W)	Limit (W)	Result
Low	2402	1.04	0.00127	1	PASS
Mid	2440	0.96	0.00125		PASS
High	2480	0.75	0.00119		PASS

Test Plots

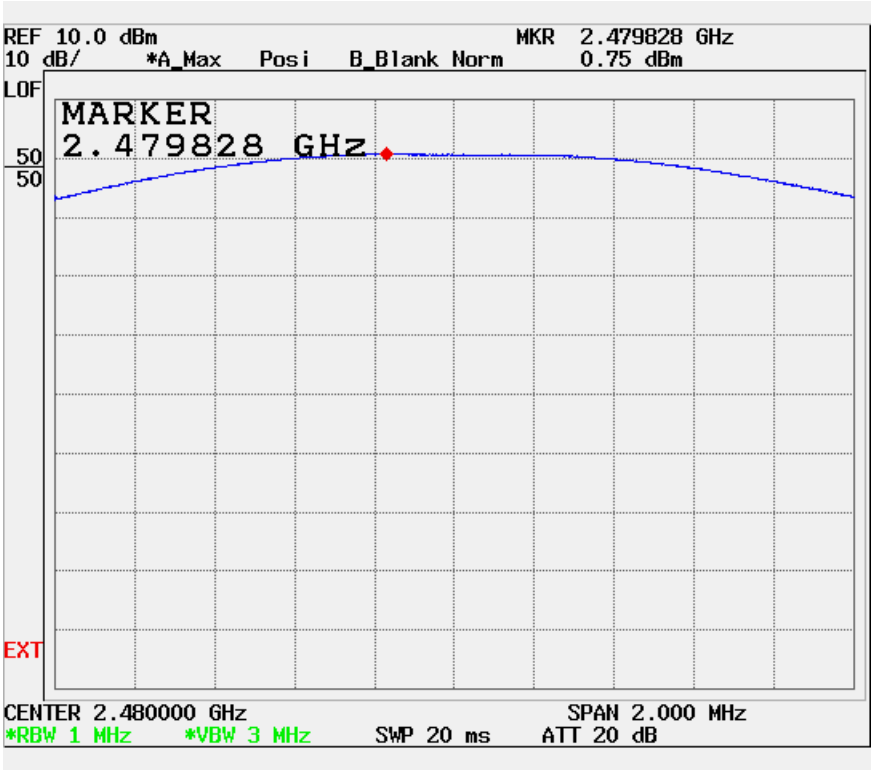
Peak Power (Low CH)



Peak Power (Mid CH)



Peak Power (High CH)

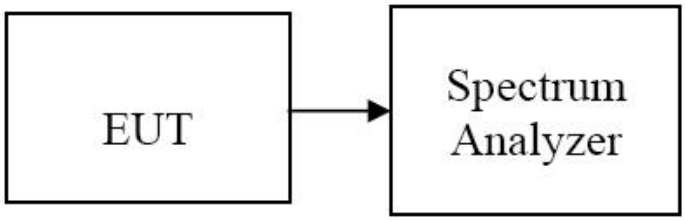


7.2 BAND EDGES MEASUREMENT

LIMIT

According to §15.247(d), in any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits.

Test Configuration



TEST PROCEDURE

The spectrum analyzer is set to :

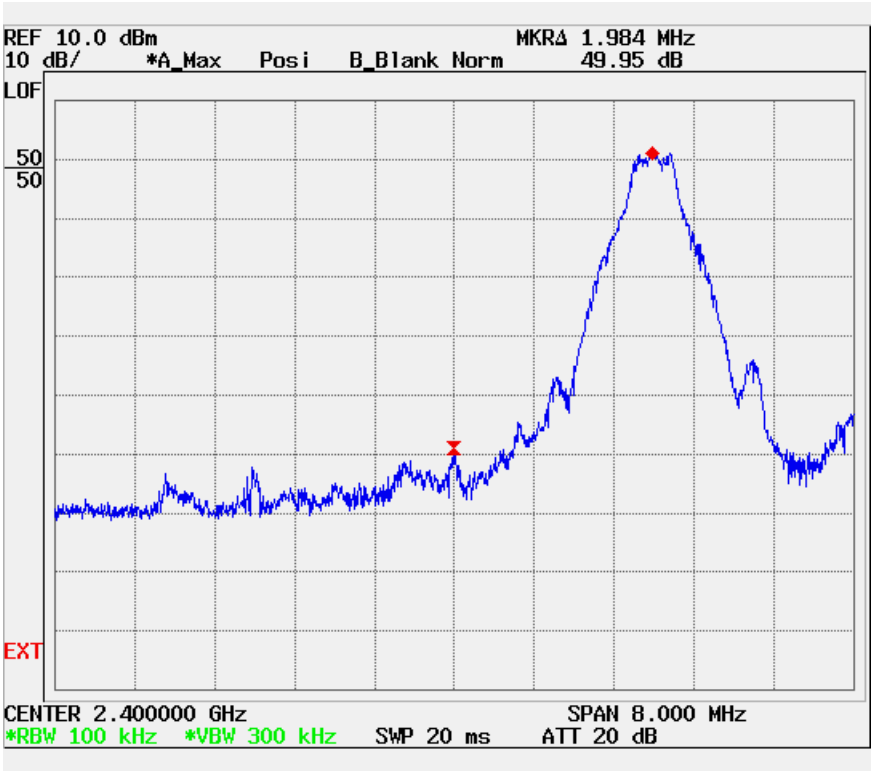
1. Span = 8 MHz
2. RBW = 100 KHz
3. VBW = 300 KHz
4. Sweep = auto

TEST RESULTS

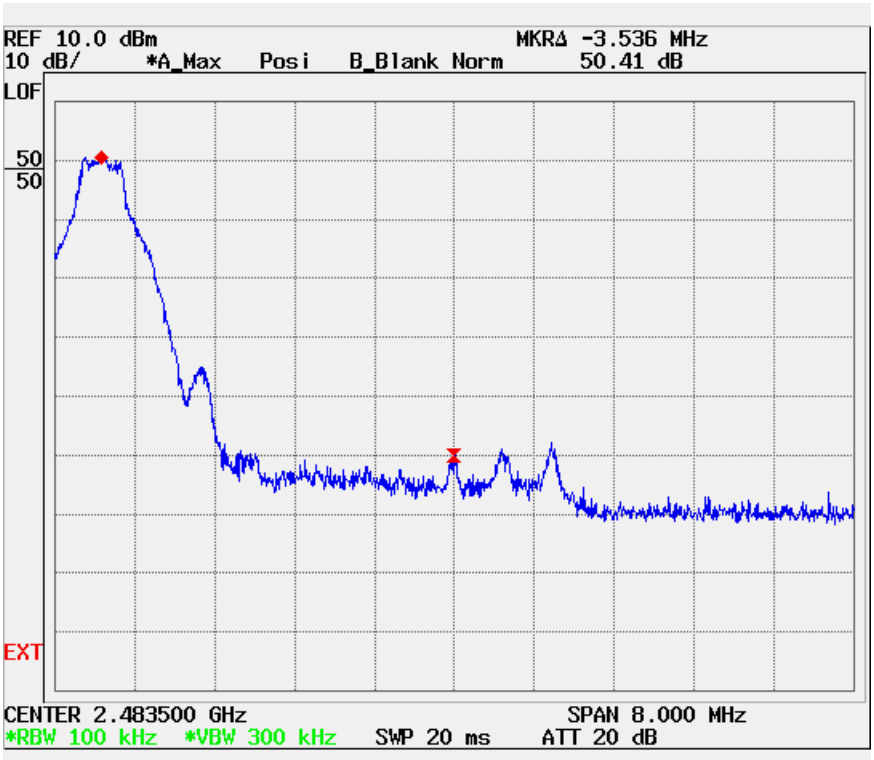
See attached.

Test Data

Band Edges (Low- CH)



Band Edges (High-CH)

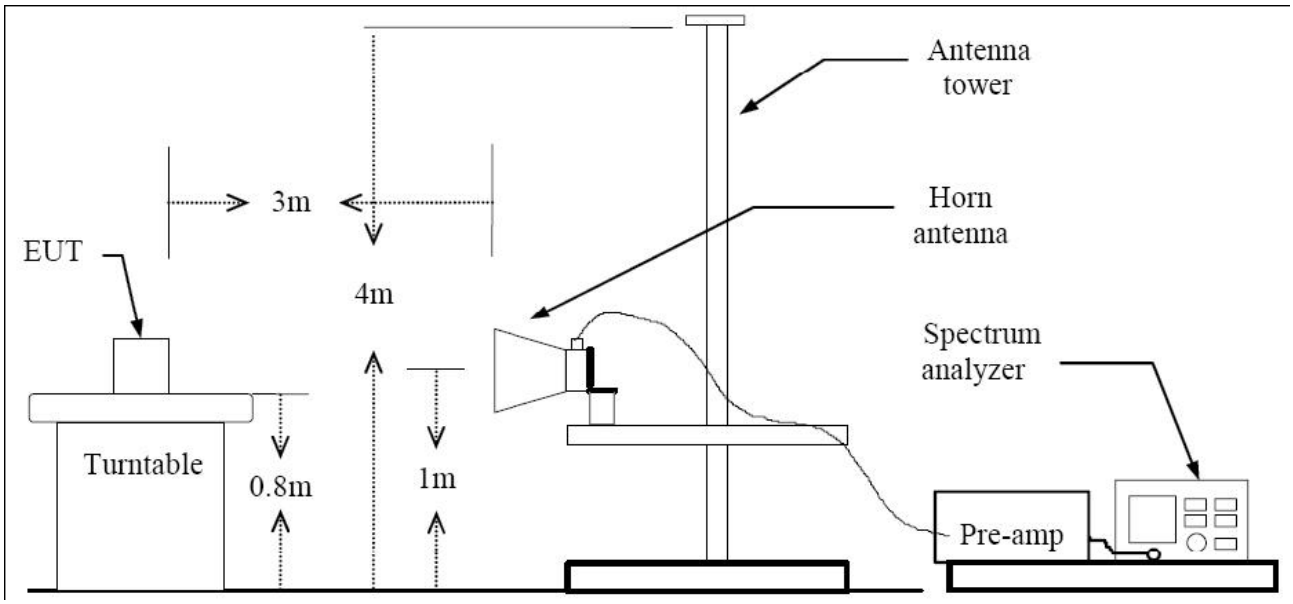


7.2.1 BAND EDGES MEASUREMENT (Radiated)

LIMIT

According to §15.247(c), in any 100 kHz bandwidth outside the frequency bands in which the spread spectrum intentional radiator in operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in15.209(a).

Test Configuration



TEST PROCEDURE

1. The EUT is placed on a turntable, which is 0.8m above the ground plane.
2. The turntable shall be rotated for 360 degrees to determine the position of maximum emission level.
3. EUT is set 3m away from the receiving antenna, which is varied from 1m to 4m to find out the highest emission.
4. Set the spectrum analyzer in the following setting in order to capture the lower and upper band-edges of the emission:

(a) PEAK: RBW = VBW = 1 MHz / Sweep = AUTO

(b) AVERAGE: RBW = 1 MHz / VBW = 10 Hz / Sweep = AUTO

5. Repeat the procedures until all the PEAK and AVERAGE versus POLARIZATION are measured.

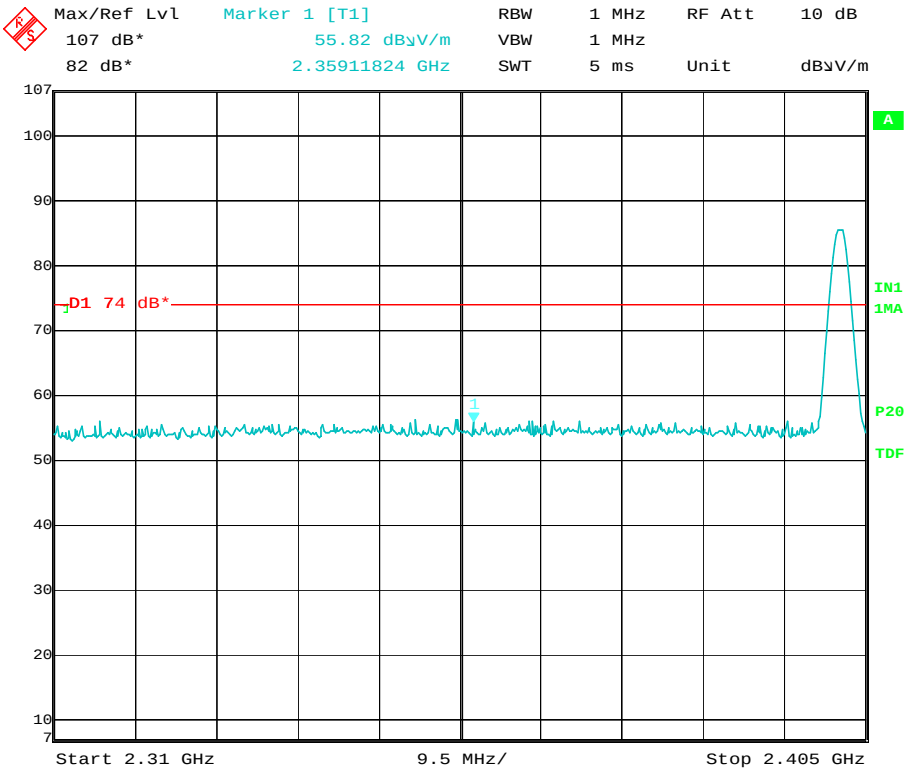
TEST RESULTS

Refer to attach spectrum analyzer data chart.

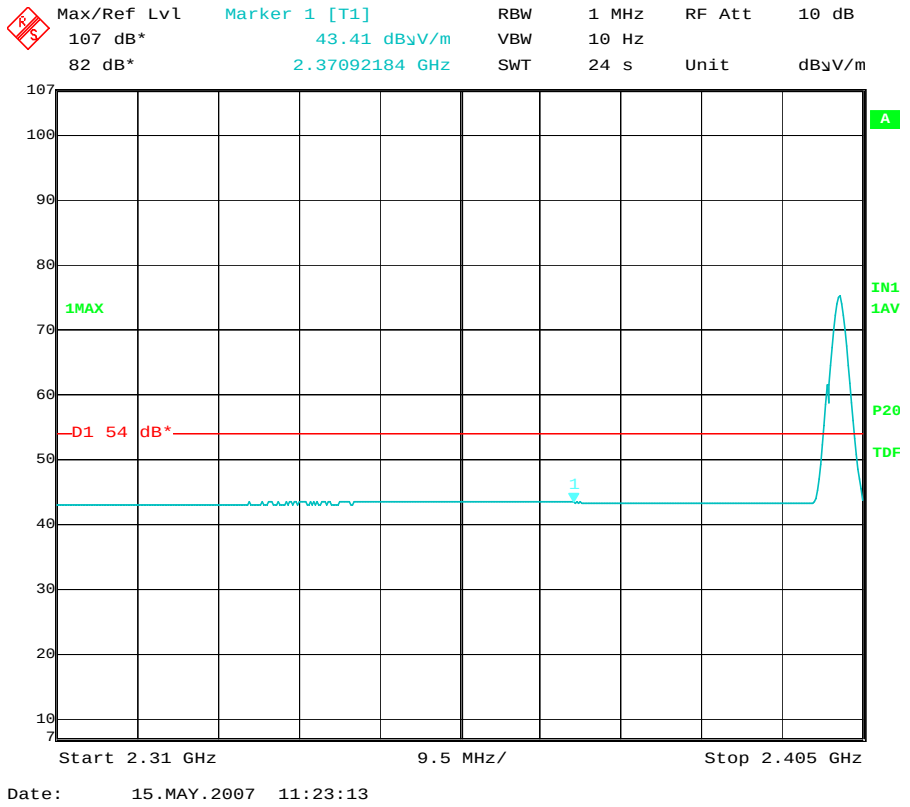
Test Data

Band Edges (Low- CH) Polarity: Vertical

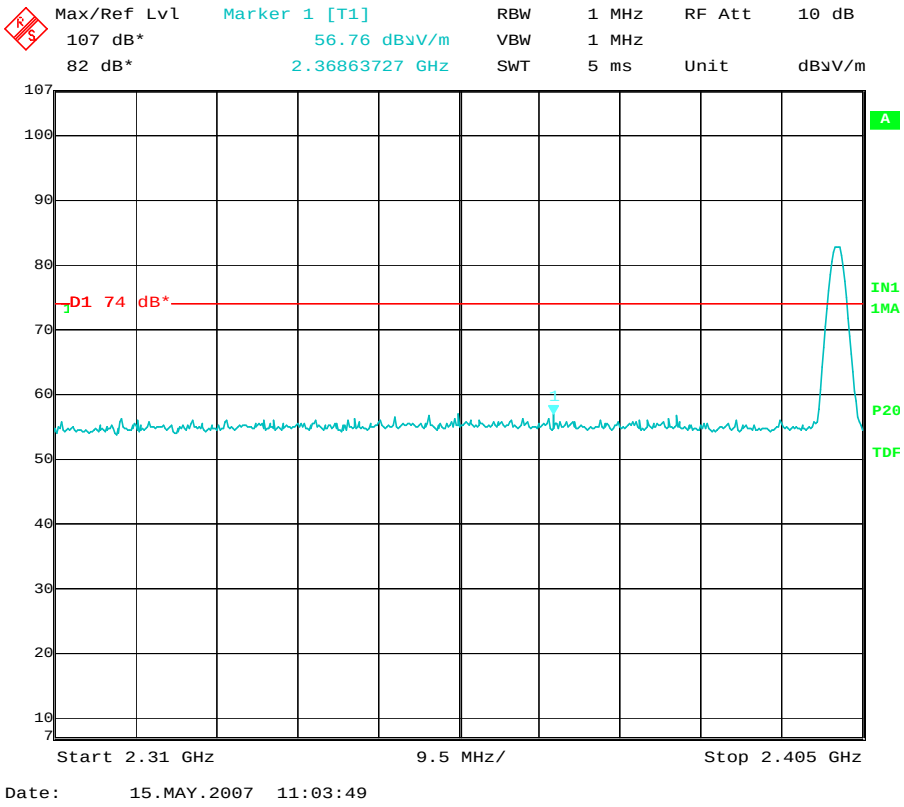
Detector mode: Peak



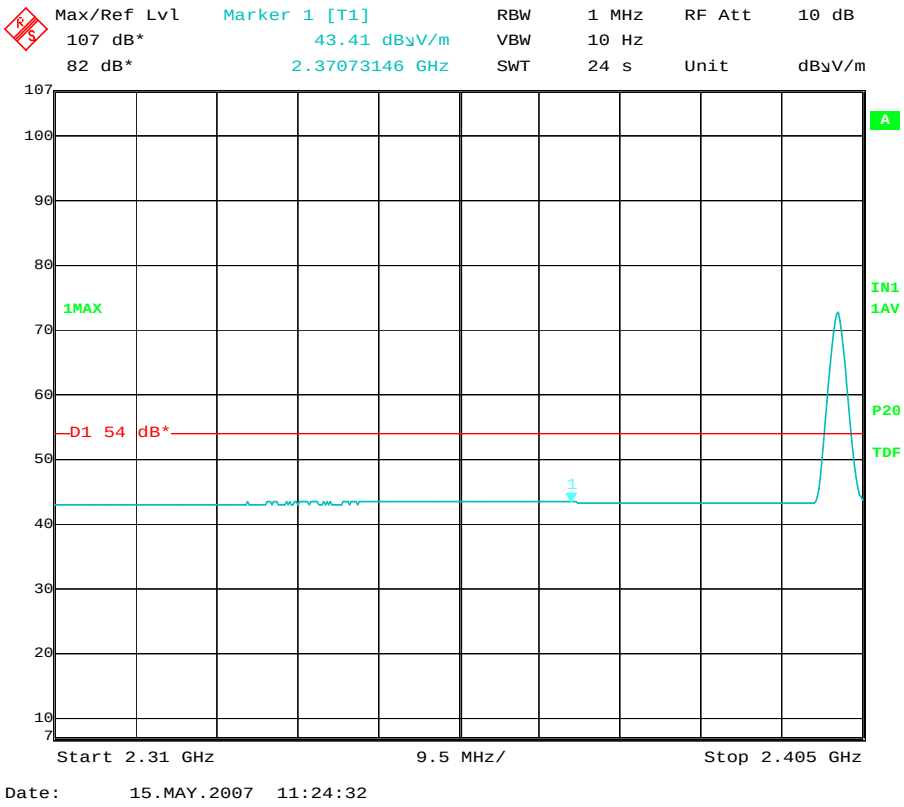
Detector mode: Average



Band Edges (Low- CH) Polarity: Horizontal

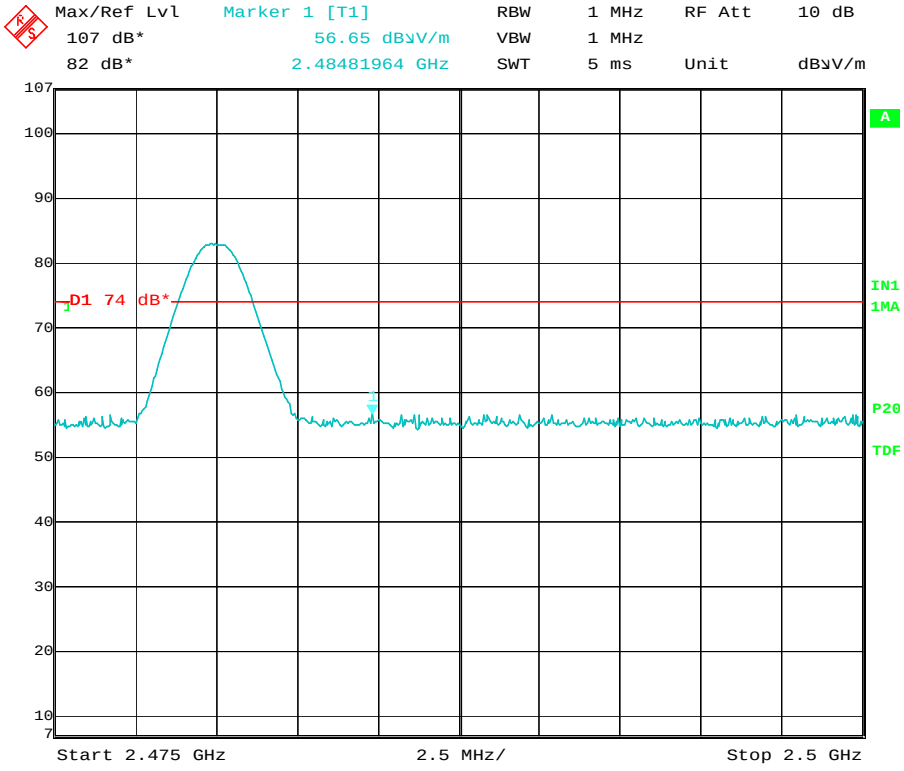


Detector mode: Average



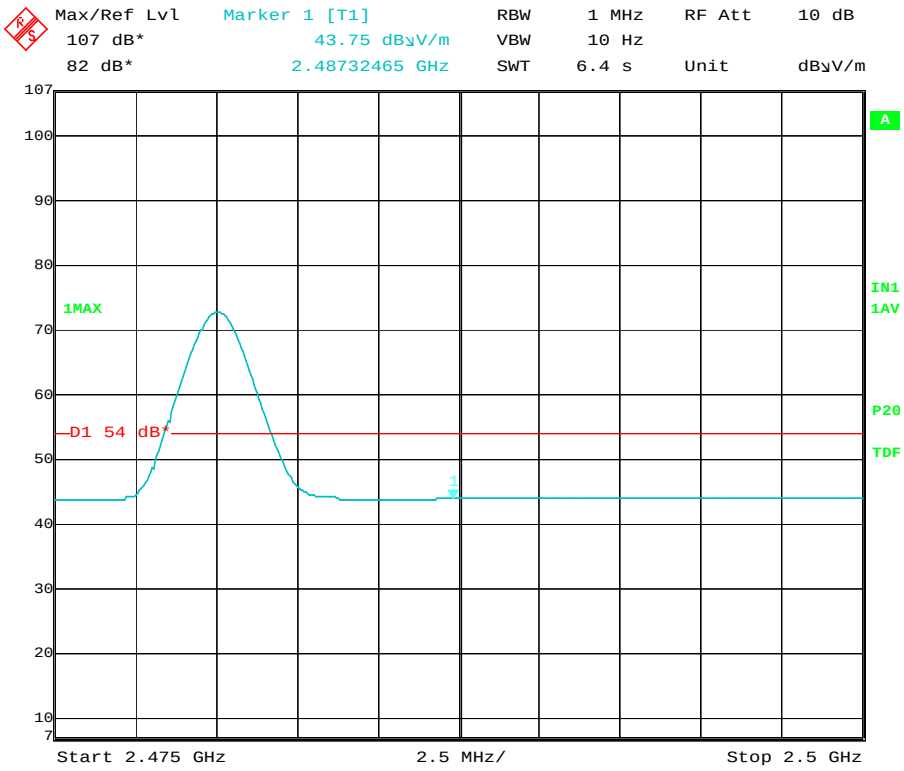
Band Edges (High- CH) Polarity: Vertical

Detector mode: Peak



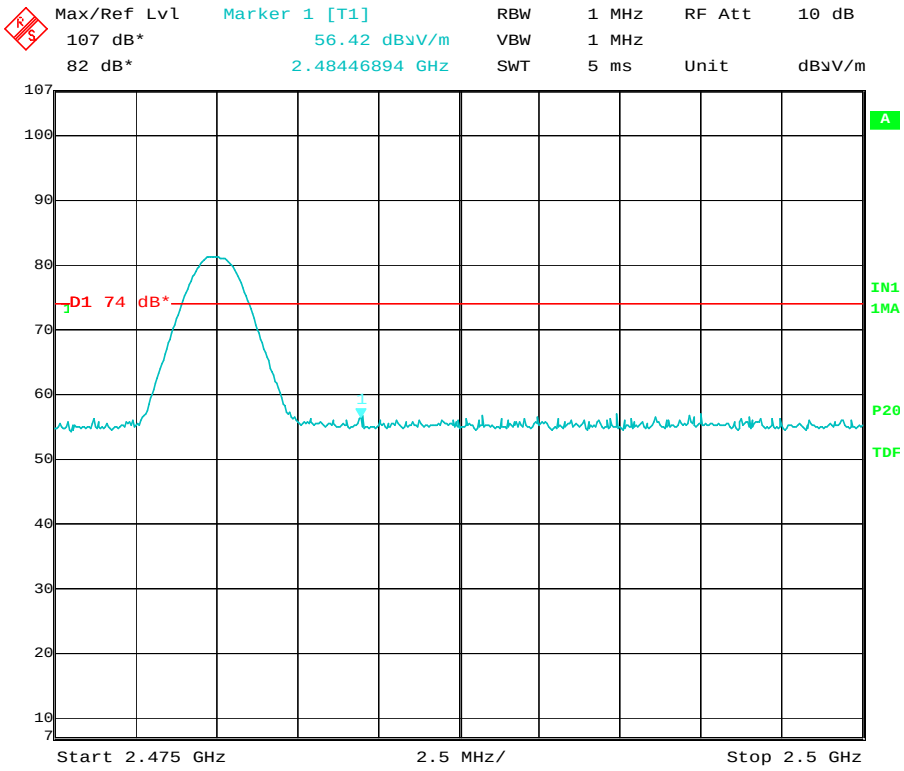
Date: 15.MAY.2007 11:12:33

Detector mode: Average

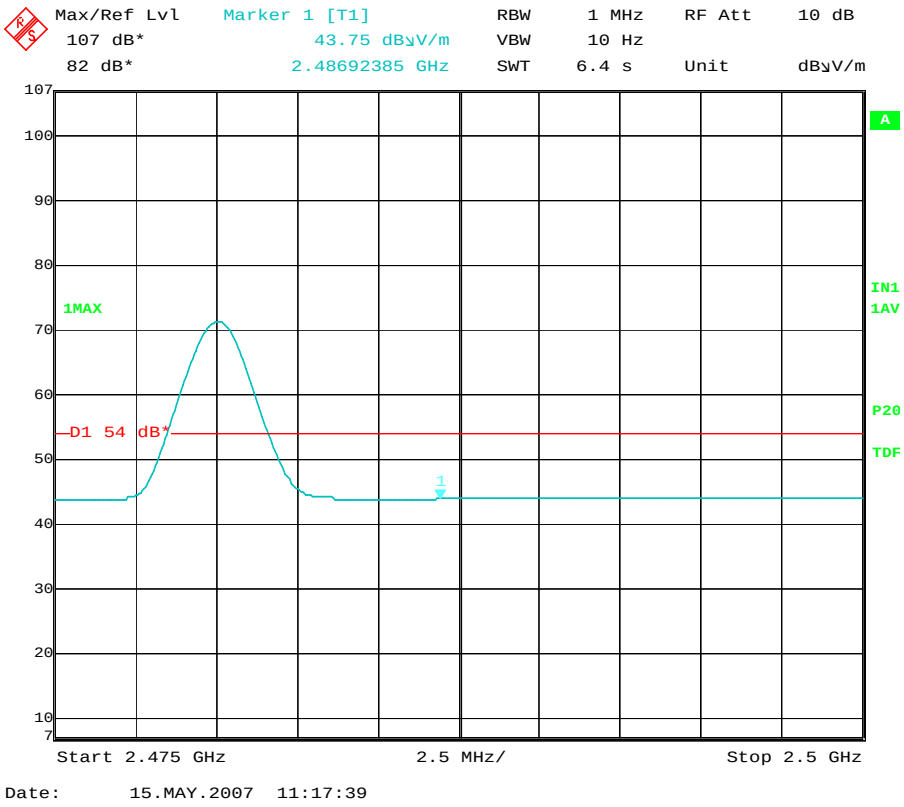


Date: 15.MAY.2007 11:21:06

Band Edges (High- CH) Polarity: Horizontal



Detector mode: Average

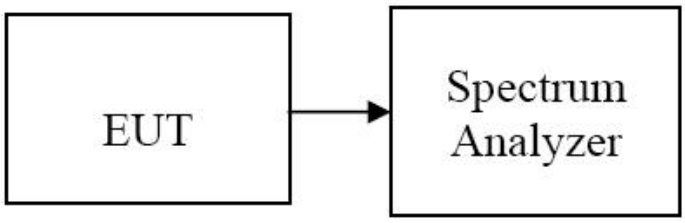


7.3 FREQUENCY SEPARATION

LIMIT

According to §15.247(a)(1), Frequency hopping systems shall have hopping channel carrier frequencies separated by minimum of 25 kHz or the 20 dB bandwidth of the hopping channel, whichever is greater.

Test Configuration



TEST PROCEDURE

The spectrum analyzer is set to :

1. Span = 3 MHz
2. RBW = 100 KHz
3. VBW = 300 KHz
4. Sweep = auto

The trace was allowed to stabilize. The marker-delta function was used to determine the separation between the peaks of the adjacent channels.

TEST RESULTS

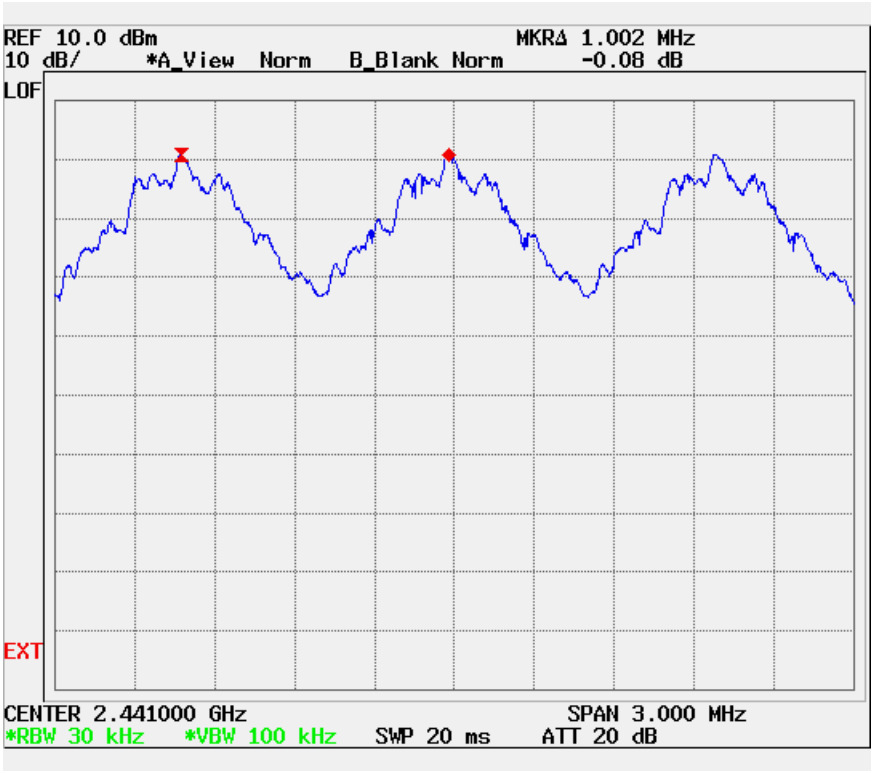
No non-compliance noted

Test Data

Channel Separation (MHz)	20dB Bandwidth (KHz)		Limit (KHz)	Result
1.002	Low CH	762	>25	Pass
	Middle CH	765		
	High CH	759		

Test Plot

Measurement of Channel Separation

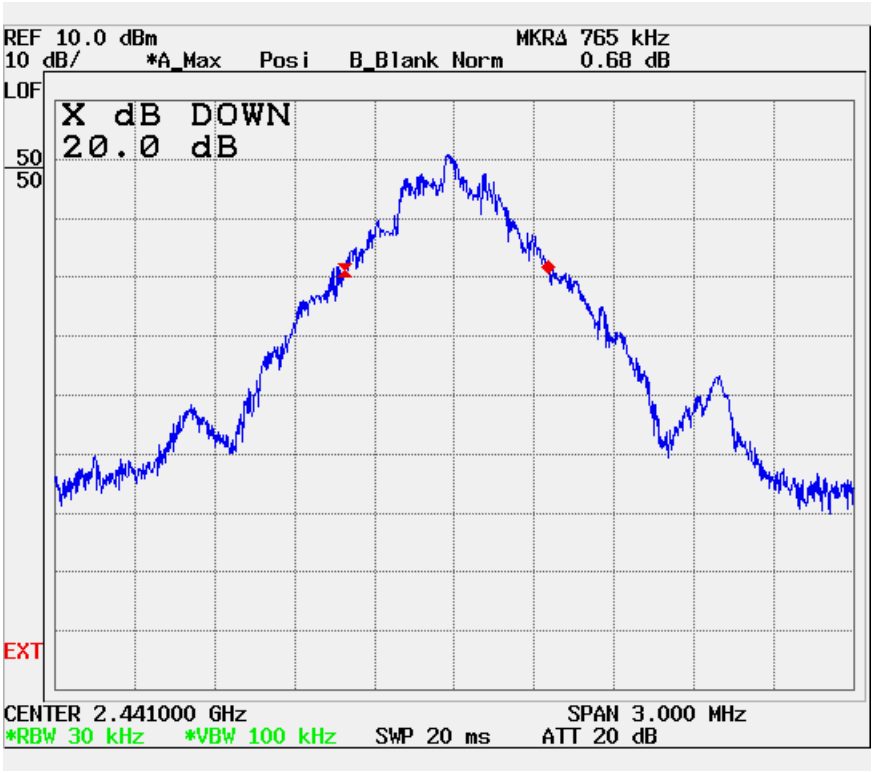


Test Plot

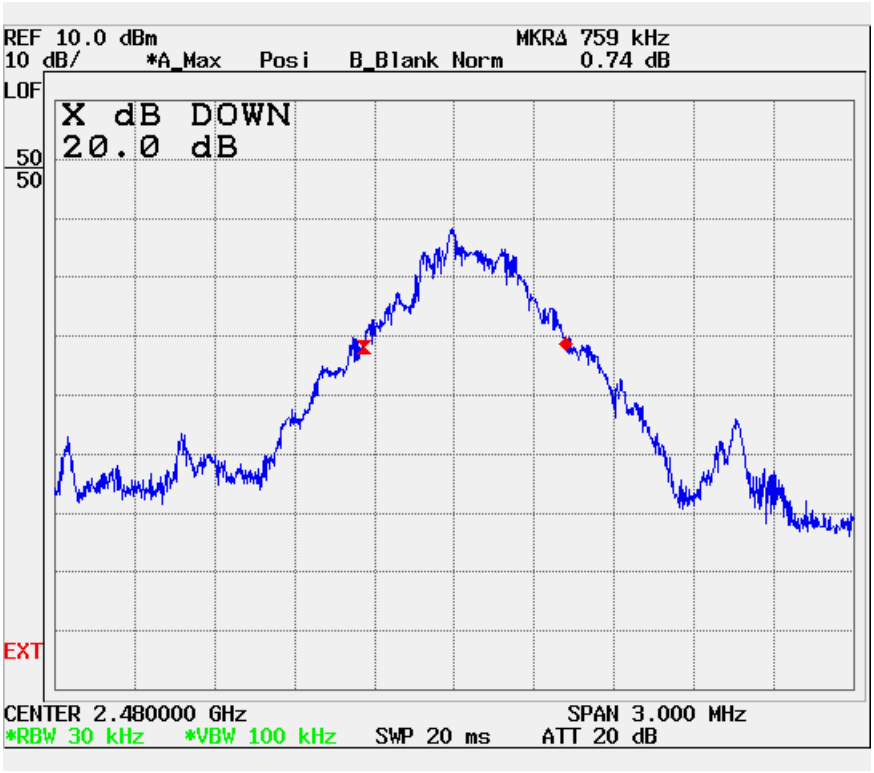
20 dB bandwidth

(Low CH)

(Mid CH)



(High CH)

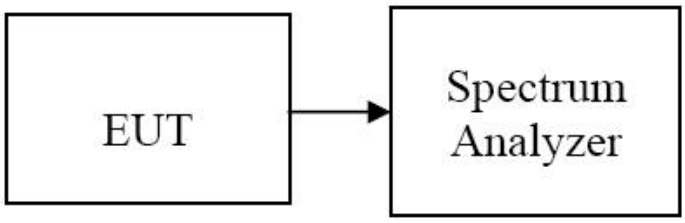


7.4 NUMBER OF HOPPING FREQUENCY

LIMIT

According to §15.247(a)(1)(ii), Frequency hopping systems operating in the 2400 MHz ~ 2483.5 MHz bands shall use at least 15 hopping frequencies.

Test Configuration



TEST PROCEDURE

The Bluetooth frequency hopping function of the EUT was enabled. The spectrum analyzer was set to :

1. Span = the frequency band of operation (Start = 2400 MHz, Stop = 2483.5 MHz)
2. RBW = 300 KHz
3. VBW = 1 MHz
4. Sweep = auto

The trace was allowed to stabilize.

TEST RESULTS

No non-compliance noted

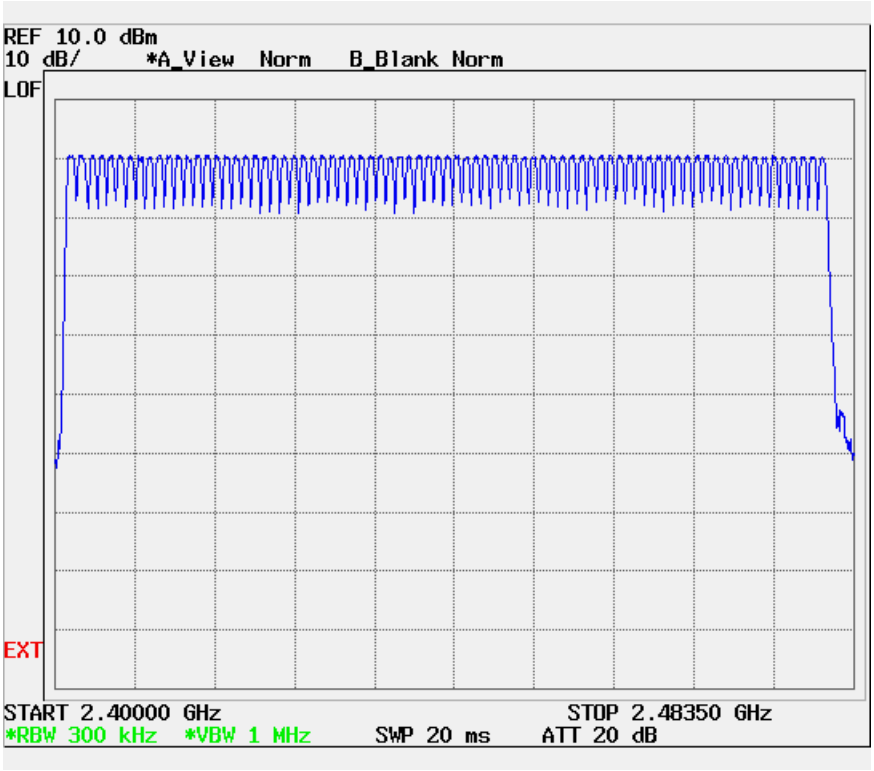
Test Data

Result (No. of CH)	Limit (No. of CH)	Result
79	>75	Pass

Test Plot

Channel Number

2.4 GHz – 2.4835 GHz

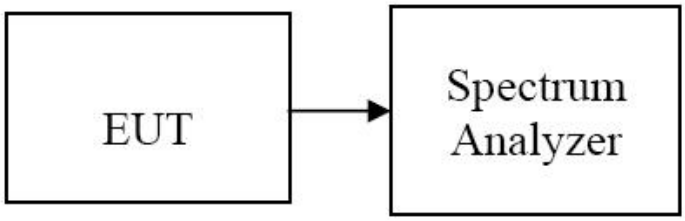


7.5 TIME OF OCCUPANCY (DWELL TIME)

LIMIT

According to §15.247(a)(1)(iii), Frequency hopping systems operating in the 2400 MHz ~ 2483.5 MHz bands. The average time of occupancy on any channels shall not greater than 0.4 s within a period 0.4 s multiplied by the number of hopping channels employed.

Test Configuration



TEST PROCEDURE

EUT was set to transmit the longest packet type (DH5)

1. Span = zero span
2. RBW = 1 MHz
3. VBW = 3 MHz
4. Sweep = as necessary to capture the entire dwell time per channel

The marker-delta function was used to determine the dwell time.

TEST RESULTS

See the table.

DH 5

CH Low: 2.918 * (1600/6)/79 * 31.6 = 311.2 (ms)

CH Mid: 2.918 * (1600/6)/79 * 31.6 = 311.2 (ms)

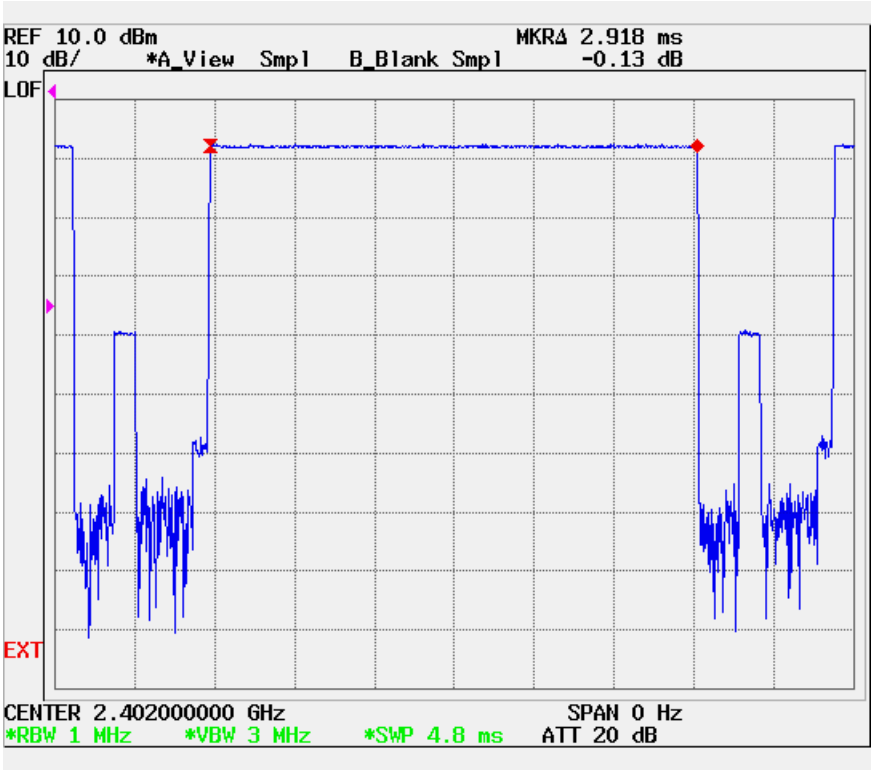
CH High: 2.914 * (1600/6)/79 * 31.6 = 310.8 (ms)

Channel	Pulse Time (ms)	Total of Dwell (ms)	Period Time (s)	Limit (ms)	Result
Low	2.918	311.2	31.6	400	PASS
Mid	2.918	311.2	31.6		PASS
High	2.914	310.8	31.6		PASS

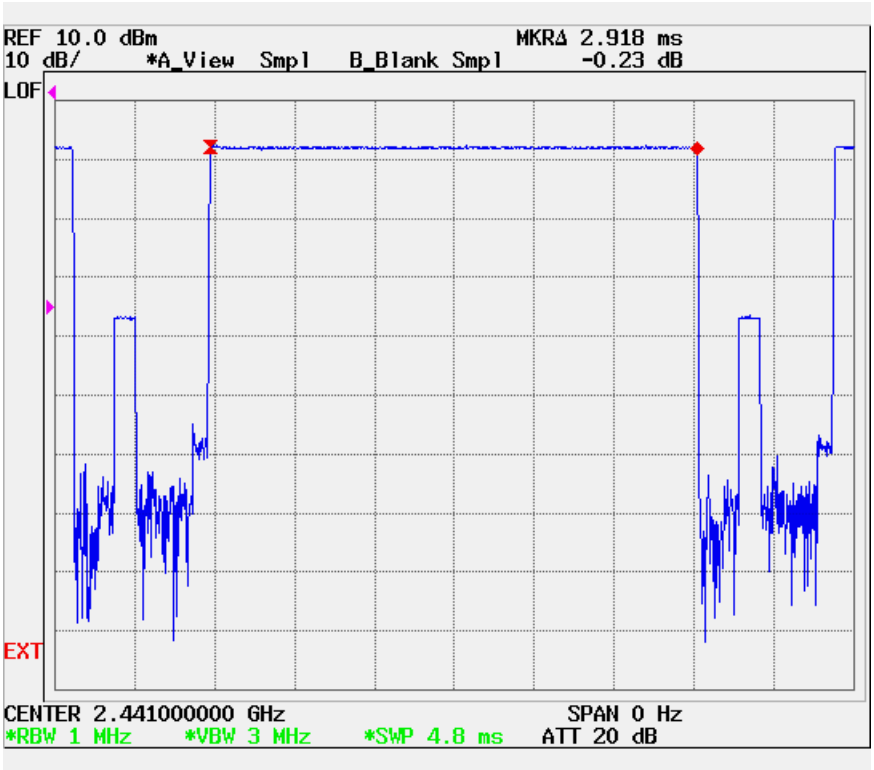
Test Plots

DH 5

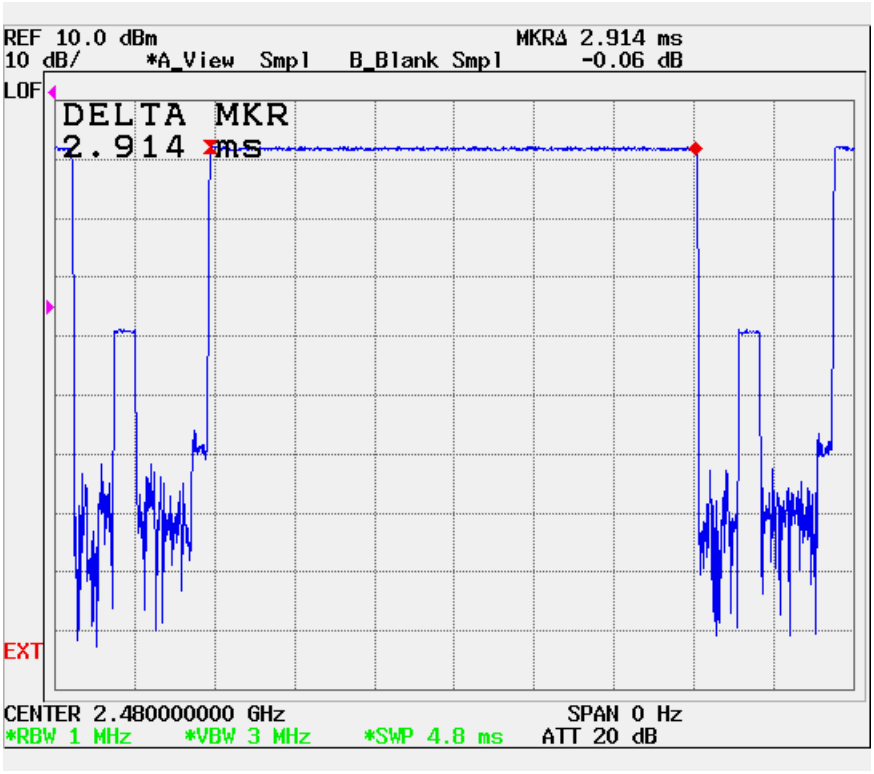
(Low CH)



(Mid CH)



(CH High)


REF 10.0 dBm
MKRΔ 2.914 ms
10 dB/ *A_View Smpl B_Blank Smpl -0.06 dB
LOF
DELTA MKR
2.914 ms
EXT
CENTER 2.480000000 GHz
SPAN 0 Hz
*RBW 1 MHz
*VBW 3 MHz
*SWP 4.8 ms
ATT 20 dB

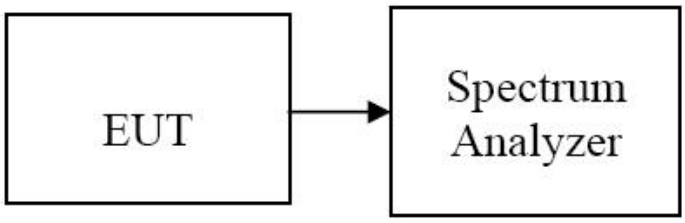
7.6 SPURIOUS EMISSIONS

7.6.1 Conducted Spurious Measurement

LIMIT

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement. Attenuation below the general limits specified in Section 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), must also comply with the radiated emission limits specified in Section 15.209(a) (see Section 15.205(c)).

Test Configuration



TEST PROCEDURE

Conducted RF measurements of the transmitter output were made to confirm that the EUT antenna port conducted emissions meet the specified limit and to identify any spurious signals that require further investigation or measurements on the radiated emissions site.

The transmitter output is connected to the spectrum analyzer. The resolution bandwidth is set to 100 KHz. The video bandwidth is set to 300 KHz.

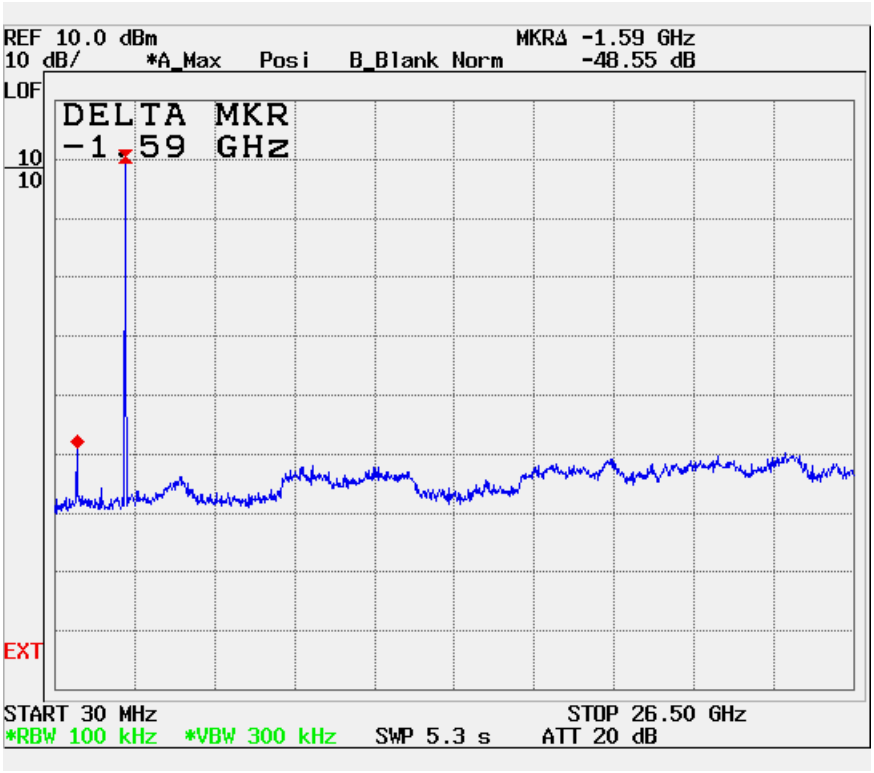
Measurements are made over the 30 MHz to 26 GHz range with the transmitter set to the lowest, middle, and highest channels.

TEST RESULTS

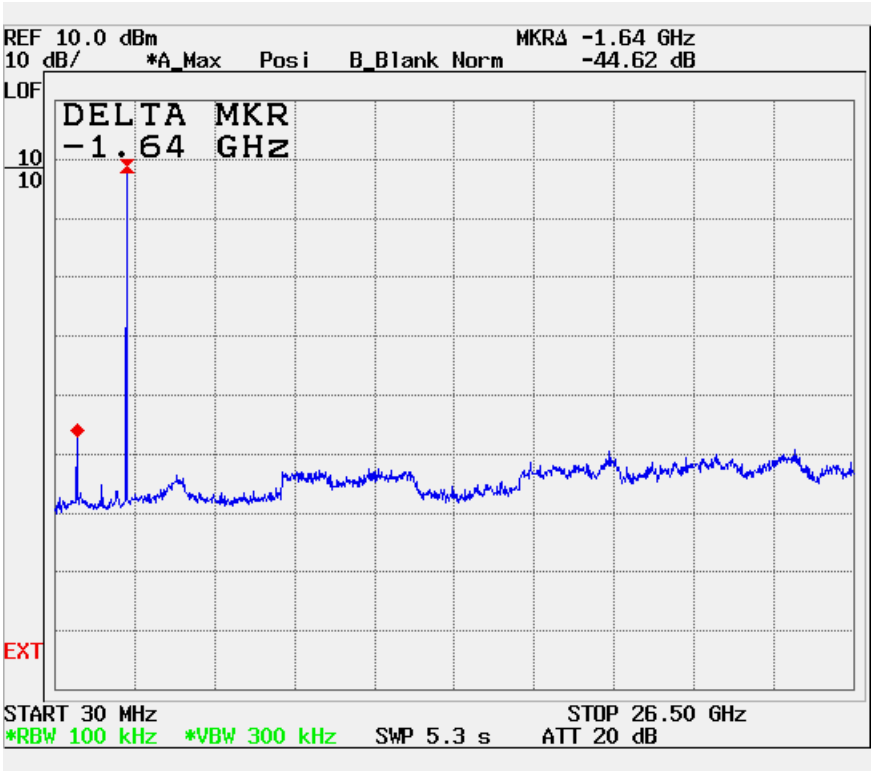
No non-compliance noted

Test Plots

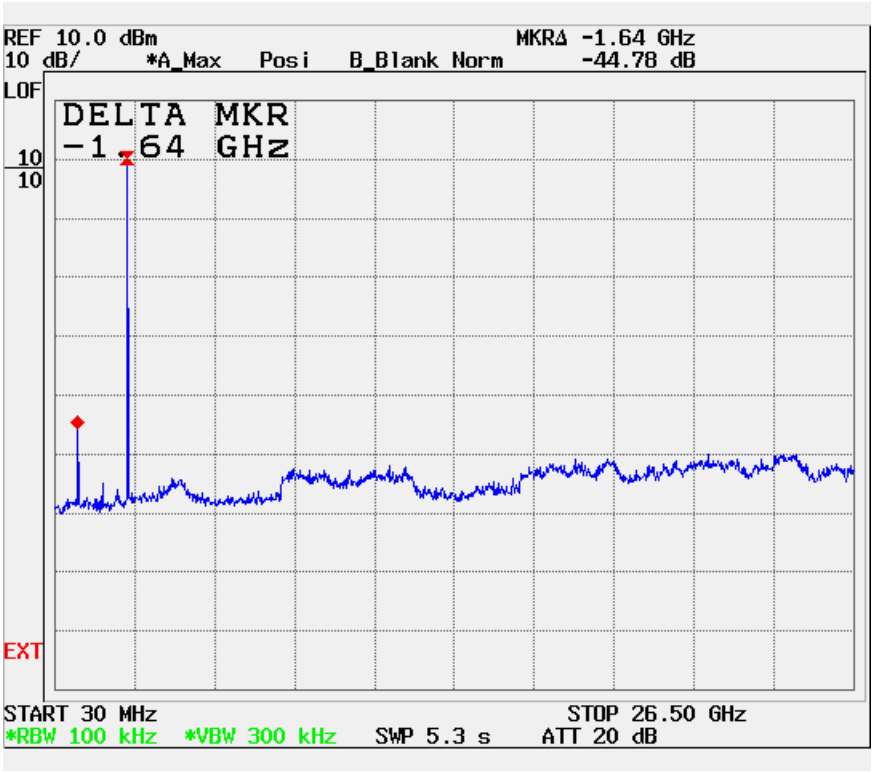
(Low CH)



(Mid CH)



(High CH)


REF 10.0 dBm
MKRΔ -1.64 GHz
10 dB/ *A_Max Posi B_Blank Norm -44.78 dB
LOF
DELTA MKR
-1.64 GHz
10
10
EXT
START 30 MHz
STOP 26.50 GHz
*RBW 100 kHz *VBW 300 kHz SWP 5.3 s ATT 20 dB

7.6.2 Radiated Spurious Emissions

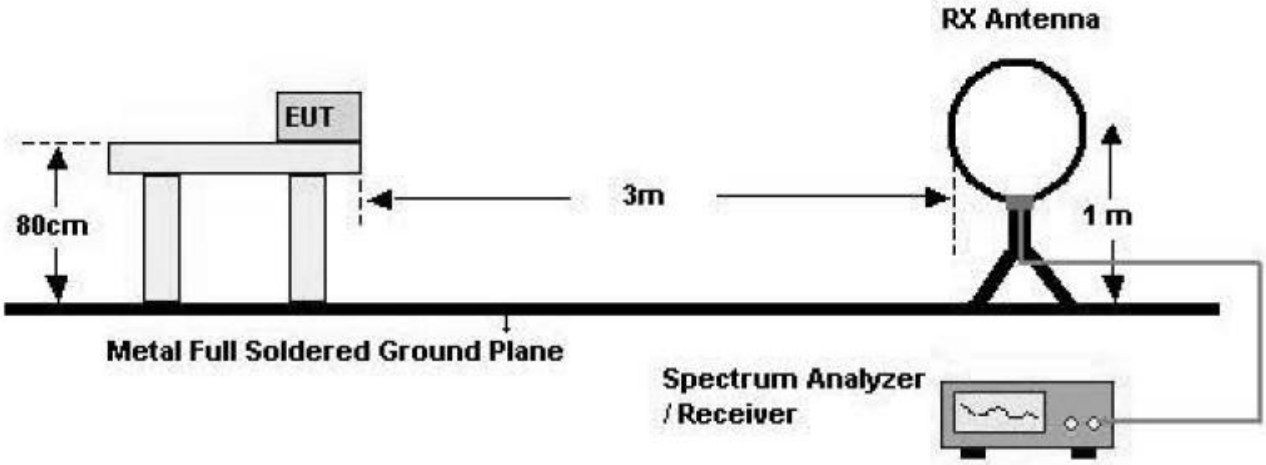
LIMIT

1. 20dBc in any 100kHz 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

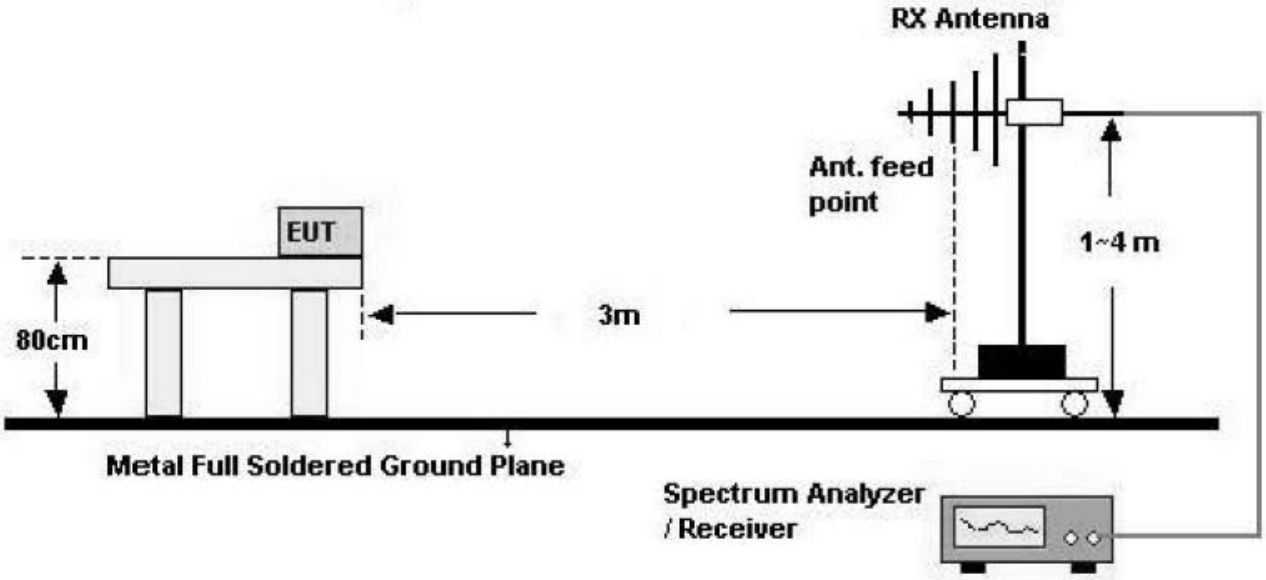
Frequency (MHz)	Field Strength (mV/m)	Measurement Distance (m)
0.009 – 0.490	2400/F(KHz)	300
0.490 – 1.705	24000/F(KHz)	30
1.705 – 30	30	30
30-88	100	3
88-216	150	3
216-960	200	3
Above 960	500	3

Test Configuration

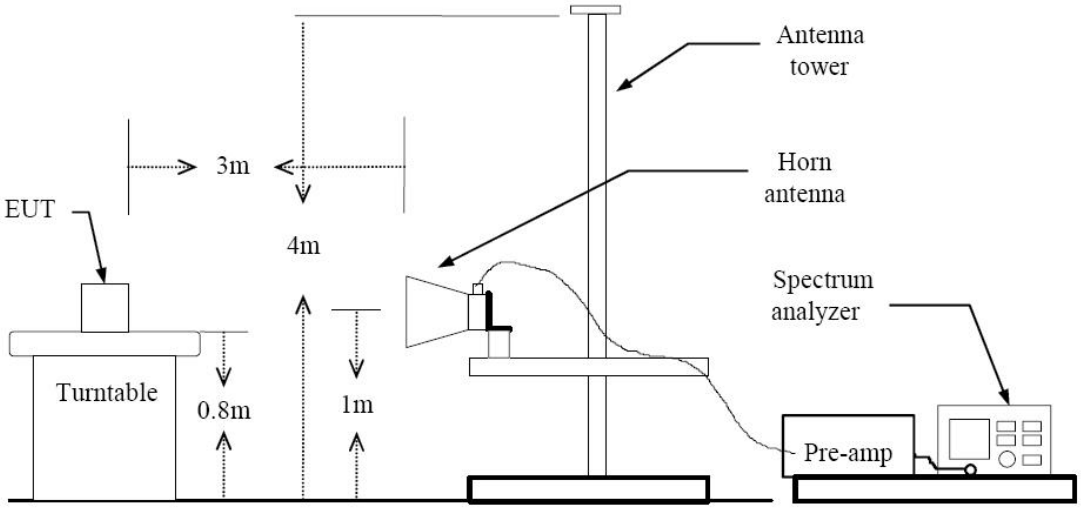
Below 30 MHz



30 MHz - 1 GHz



Above 1 GHz



TEST PROCEDURE

1. The EUT is placed on a turntable, which is 0.8 m above ground plane.
2. The turntable shall be rotated for 360 degrees to determine the position of maximum emission level.
3. EUT is set 3 m away from the receiving antenna, which is varied from 1m to 4m to find out the highest emissions.
4. Maximum procedure was performed on the six highest emissions to ensure EUT compliance.
5. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical.
6. Repeat above procedures until the measurements for all frequencies are complete.

TEST RESULTS

9 kHz – 30MHz

Operation Mode: Normal Link

Notes:

1. Measuring frequencies from 9 kHz to the 30MHz.

2. The reading of emissions are attenuated more than 20 dB below the permissible limits or the field strength is too small to be measured.

3. Distance extrapolation factor = 40 log (specific distance / test distance) (dB)

4. Limit line = specific Limits (dBuV) + Distance extrapolation factor

TEST RESULTS

Below 1 GHz

Operation Mode: Normal Link

Frequency MHz	Reading dBuV	Ant. Factor dB	Cable Loss dB	ANT POL (H/V)	Total dBuV/m	Limit dBuV/m	Margin dB
37.50	11.71	12.63	1.42	V	25.76	40	14.24
54.20	9.56	12.16	1.67	V	23.39	40	16.61
136.5	12.98	12.15	2.76	V	27.89	43.5	15.61
166.0	9.37	12.46	3.06	V	24.89	43.5	21.11

Notes:

1. Measuring frequencies from 30 MHz to the 1 GHz.

2. Radiated emissions measured in frequency range from 30 MHz to 1000MHz were made with an instrument using Quasi peak detector mode.

Above 1 GHz

Operation Mode: CH Low

Frequency [MHz]	Level [dBuV]	AN. CL. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
4804.00	- 108.6	36.7	V	38.30	54	15.70	AV
4804.00	- 119.4	36.7	V	49.11	74	24.89	Peak

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.

3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.

4. Spectrum setting:

a. Peak Setting 1 GHz – 26 GHz, RBW = 1 MHz, VBW = 1 MHz.

b. AV Setting 1 GH z- 26 GHz, RBW = 1 MHz, VBW = 10 Hz.

Operation Mode: CH Mid

Frequency [MHz]	Level [dBuV]	AN. CL. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
4882.00	- 105.4	36.9	V	35.35	54	18.65	AV
4882.00	- 110.4	36.9	V	40.27	74	33.73	Peak

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.

3. Radiated emissions measured in frequency above 1000 MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.

4. Spectrum setting:

a. Peak Setting 1 GHz – 26 GHz, RBW = 1 MHz, VBW = 1 MHz.

b. AV Setting 1 GH z- 26 GHz, RBW = 1 MHz, VBW = 10 Hz.

Operation Mode: CH High

Frequency [MHz]	Level [dBuV]	AN. CL. [dB]	ANT. POL [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Detect
4960.00	-104.7	37.1	V	34.78	54	19.22	AV
4960.00	-110.0	37.1	V	40.10	74	33.9	Peak

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20dB from the applicable limit) and considered that's already beyond the background noise floor.

3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.

4. Spectrum setting:

a. Peak Setting 1 GHz – 26 GHz, RBW = 1 MHz, VBW = 1 MH.

b. AV Setting 1 GH z- 26 GHz, RBW = 1 MHz, VBW = 10 Hz.

7.7 POWERLINE CONDUCTED EMISSIONS

LIMIT

For an intentional radiator which is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies within the band 150 kHz to 30 MHz shall not exceed 250 microvolt (The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.50 MHz). The limits at specific frequency range is listed as follows:

Frequency Range (MHz)	Limits (dBμV)	
	Quasi-peak	Average
0.15 to 0.50	66 to 56	56 to 46
0.50 to 5	56	46
5 to 30	60	50

Compliance with this provision shall be based on the measurement of the radio frequency voltage between each power line (LINE and NEUTRAL) and ground at the power terminals.

Test Configuration

See test photographs attached in Appendix 1 for the actual connections between EUT and support equipment.

TEST PROCEDURE

1. The EUT is placed on a wooden table 80 cm above the reference ground plane.
2. The EUT is connected via LISN to a test power supply.
3. The measurement results are obtained as described below:
4. Detectors – Quasi Peak and Average Detector.

Test Plot

Conducted emissions (Line 1)

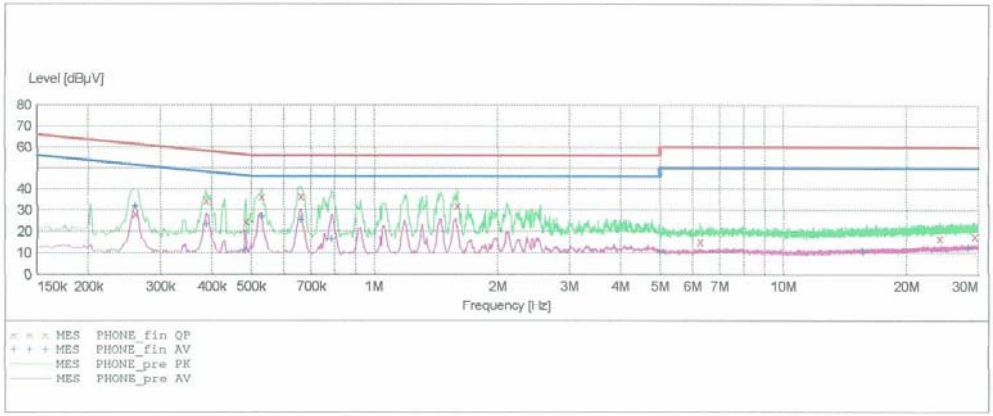
HCT

EMC TEST LAB.

```
EUT:                    ZMEM1075
Manufacturer:           EZZE MOBILE TECH
Operating Condition:    BLUETOOTH MODE
Test Site:              SHIELD ROOM
Operator:               YS-JUNG
Test Specification:     CISPR 22 CLASS B
Comment:                N
```

SCAN TABLE: "CISPR 22 Voltage"

```
Short Description:                  CISPR 22 Voltage
Start       Stop        Step        Detector   Meas.      IF       Transducer
Frequency   Frequency   Width                  Time       Bandw.
150.1 kHz   500.0 kHz   2.5 kHz     MaxPeak    10.0 ms    9 kHz    None
                                    Average
500.0 kHz   5.0 MHz     5.0 kHz     MaxPeak    10.0 ms    9 kHz    None
                                    Average
5.0 MHz     30.0 MHz    5.0 kHz     MaxPeak    10.0 ms    9 kHz    None
                                    Average
```



MEASUREMENT RESULT: "PHONE_fin QP"

5/10/2007 10:05AM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Line	PE
0.260100	28.50	10.0	61	32.9	---	---
0.387600	34.60	10.0	58	23.5	---	---
0.485100	24.80	10.1	56	31.5	---	---
0.530000	36.50	10.1	56	19.5	---	---
0.660000	36.60	10.1	56	19.4	---	---
1.595000	32.20	10.2	56	23.8	---	---
6.260000	15.20	10.8	60	44.8	---	---
24.155000	16.80	12.6	60	43.2	---	---
29.390000	17.60	12.8	60	42.4	---	---

MEASUREMENT RESULT: "PHONE_fin AV"

5/10/2007 10:05AM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Line	PE
0.260100	32.20	10.0	51	19.3	---	---
0.387600	23.50	10.0	48	24.6	---	---
0.482600	11.50	10.1	46	34.8	---	---
0.530000	27.20	10.1	46	18.8	---	---
0.660000	25.60	10.1	46	20.4	---	---
0.785000	16.50	10.1	46	29.5	---	---
5.000000	10.50	10.6	46	35.5	---	---
15.670000	10.70	12.0	50	39.3	---	---
28.385000	12.50	12.8	50	37.5	---	---

Conducted emissions (Line 2)

HCT

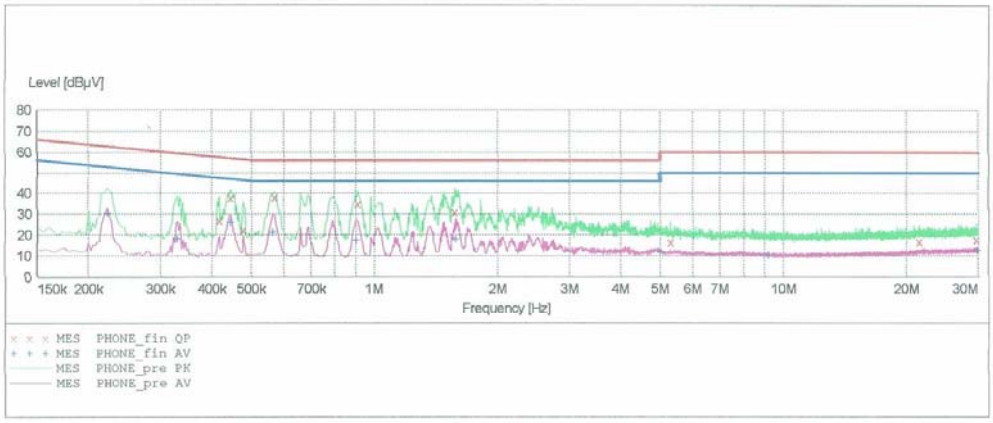
EMC TEST LAB.

EUT:	ZMEM1075
Manufacturer:	EZZE MOBILE TECH
Operating Condition:	BLUETOOTH MODE
Test Site:	SHIELD ROOM
Operator:	YS-JUNG
Test Specification:	CISPR 22 CLASS B
Comment:	H

SCAN TABLE: "CISPR 22 Voltage"

Short Description: CISPR 22 Voltage

Start Frequency	Stop Frequency	Step Width	Detector	Meas. Time	IF Bandw.	Transducer
150.1 kHz	500.0 kHz	2.5 kHz	MaxPeak Average	10.0 ms	9 kHz	None
500.0 kHz	5.0 MHz	5.0 kHz	MaxPeak Average	10.0 ms	9 kHz	None
5.0 MHz	30.0 MHz	5.0 kHz	MaxPeak Average	10.0 ms	9 kHz	None



MEASUREMENT RESULT: "PHONE_fin QP"

5/10/2007 10:01AM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Line	PE
0.417600	27.00	10.0	58	30.5	---	---
0.445100	38.20	10.0	57	18.8	---	---
0.477600	22.40	10.1	56	34.0	---	---
0.570000	38.30	10.1	56	17.7	---	---
0.910000	35.00	10.1	56	21.0	---	---
1.570000	31.10	10.2	56	24.9	---	---
5.290000	16.40	10.7	60	43.6	---	---
21.505000	16.90	12.4	60	43.1	---	---
29.680000	17.80	12.8	60	42.2	---	---

MEASUREMENT RESULT: "PHONE_fin AV"

5/10/2007 10:01AM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Line	PE
0.222600	30.60	10.0	53	22.1	---	---
0.330100	18.60	10.0	49	30.9	---	---
0.445100	26.10	10.0	47	20.9	---	---
0.565000	21.40	10.1	46	24.6	---	---
0.900000	17.80	10.1	46	28.2	---	---
1.580000	18.20	10.2	46	27.8	---	---
5.000000	12.00	10.6	46	34.0	---	---
9.185000	10.30	11.1	50	39.7	---	---
29.830000	12.70	12.8	50	37.3	---	---

8. LIST OF TEST EQUIPMENT

Manufacturer	Model / Equipment	Calibration Date	Cal Interval	Calibration Due	Serial No.
Rohde & Schwarz	ESI40/ EMI Test Receiver	11/06/2006	Annual	11/06/2007	831564103
Rohde & Schwarz	ESCI/ EMI Test Receiver	08/24/ 2006	Annual	08/24/ 2007	100033
Rohde & Schwarz	ESH2-Z5/ LISN	04/20/2007	Annual	04/20/2008	861741/013
Rohde & Schwarz	ESH3-Z6/ LISN	04/11/2006	Annual	03/16/2008	837950/023
Schwarzbeck	VULB 9160/ TRILOG Antenna	04/20/2007	Annual	04/20/2008	9160-3150
HD	MA240/ Antenna Position Tower	N/A	N/A	N/A	556
EMCO	1050/ Turn Table	N/A	N/A	N/A	114
HD GmbH	HD 100/ Controller	N/A	N/A	N/A	13
HD GmbH	KMS 560/ SlideBar	N/A	N/A	N/A	12
Rohde & Schwarz	ESH3-Z2/ PULSE LIMITER	03/16/2007	Annual	03/16/2008	375.8810.352
MITEQ	AMF-60-0010 1800-35-20P	01/24/2007	Annual	01/24/2008	1200937
MITEQ	AMF-6D-01180-35-20P	02/24/2007	Annual	02/24/2008	990893
Schwarzbeck	BBHA 9120D/ Horn Antenna	03/30/2007	Annual	03/30/2008	147
Schwarzbeck	BBHA9170/ SHF-EHF Horn Antenna	03/20/2007	Annual	03/20/2008	BBHA9170342
Rohde & Schwarz	HFH2-Z2/Loop Antenna	05/11/2007	Annual	01/10/2008	881056/070
ADVANTEST	R3273/Spectrum Analyzer	05/02/2007	Annual	05/02/2008	J004821
Agilent	E4416A /Power Meter	01/22/2007	Annual	01/22/2008	GB41291412
Agilent	E7405A	10/02/2006	Annual	10/02/2007	US40240209
Weinschel	2/Attenuator	01/24/2007	Annual	01/24/2008	BR0554
Wainwright Instrument	WHF3.3/18G-10EF / High Pass Filter	06/28/2006	Annual	06/28/2007	1