



TEST REPORT

according to

FCC Rules and Regulations Part 15 Subpart C Industry Canada RSS-Gen Issue 3/RSS-210 Issue 8

Applicant	: Matrix Sound Limited
Address	: 95 High Street Hail Weston St Neots Cambridgeshire PE19 5JS
Equipment	: Wireless Transmitter
Model No.	: BlueAura Wireless Transmitter
Trademark	: BLUE AURA
FCC ID	: OSY-WSTT
IC	: 1015A-WSTT

- The test result refers exclusively to the test presented test model / sample.,
- Without written approval of **CerpPASS Technology Corp.** the test report shall not be reproduced except in full.
- The test report must not be used by the clients to claim product certification approval by **NVLAP** or any agency of the Government.



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☐ Additional attachment as following record:

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CERTIFICATE OF COMPLIANCE

According to

FCC Rules and Regulations Part 15 Subpart C Industry Canada RSS-Gen Issue 3/ RSS-210 Issue 8

Applicant : Matrix Sound Limited

Address : 95 High Street Hail Weston St Neots Cambridgeshire
PE19 5JS

Manufacturer : Solidex audio corp

Address : Room 202, Citic Concorde Bulding, No.556, Chang Tai
Road, Dong Cheng District, Dong Guan City,
Guang Dong Province, China

Equipment : Wireless Transmitter

Model No. : BlueAura Wireless Transmitter

Trademark : **BLUE AURA**

FCC ID : OSY-WSTT

IC : 1015A-WSTT

I **HEREBY** CERTIFY THAT:

The measurements shown in this test report were made in accordance with the procedures given in **ANSI C63.4** The equipment was **passed** the test performed according to **FCC Rules and Regulations Part 15 Subpart C (2010) & Industry Canada RSS-Gen Issue 3/RSS-210 Issue 8**. The test was carried out on Sept. 30~Dec.19, 2013 at **Cerpass Technology Corp.**

Signature

Miro Chueh/ Technical director



1. Report of Measurements and Examinations

1.1 List of Measurements and Examinations

FCC Rules and Regulations Part 15 Subpart C		
Normative References	Test Parameter	Test Performed
15.207	Conducted Emission	Pass
15.209	Radiated Emission	Pass
15.215	20dB Bandwidth Measurement	Pass
15.249	Band Edges Measurement Data	Pass

Industry Canada RSS-Gen Issue 3/RSS-210 Issue 8		
Normative References	Test Parameter	Test Performed
RSS-Gen Issue 3 December 2010 Section 7.2.2	Conducted Emission	Yes
RSS-210 Issue 8 December 2010 Section 2.7 Table 2 and Table 3	Radiated Emission	Yes
RSS-210 Issue 8 December 2010 Section A8.5	Radiated Emission Band Edge	Yes
RSS-Gen Issue 3 December 2010 Section 4.6.1 and 4.6.2 RSS-210 Issue 8 December 2010 Section A8.2(1)	Occupied Bandwidth	Yes



2. Test Configuration of Equipment under Test

2.1 Feature of Equipment under Test

Frequency Range	2412 MHz~2464MHz
	5736 MHz~5814MHz
EUT Power Ratings	5Vdc Supplied by adapter
Adapter Specification	Model:CPS008050100* Input: 100-240V, 50/60Hz, 0.2A Output: 5V $\pm$ 1.0A
Antenna Specification	2.4GHz with 2.0dBi (Chain 0 and Chain 1) 5.8GHz with 3.0dBi (Chain 0 and Chain 1)
Modulation technology	QPSK / BPSK

Note: 1. The EUT has two Chains on each band. Chain 0 and Chain 1 transmit/receive independently.
2. For more details, please refer to the User's manual of the EUT.

2.2 Carrier Frequency of Channels

For 2.4GHz Band

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
01	2412	02	2438	03	2464

For 5.8GHz Band

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
01	5736	02	5762	03	5814

2.3 Test Mode & Test Software

- During testing, the interface cables and equipment positions were varied according to ANSI C63.4
- The complete test system included EUT for RF test.
- Adjust the EUT at the test mode and the test channel. Then test. .
- The following test mode was performed for conduction and radiation test:
 - For 2.4GHz Band: CH low : 2412MHz, CH Mid: 2438MHz, CH High: 2464MHz.
 - For 5.8GHz Band: CH low :5736MHz, CH Mid: 5762MHz, CH High: 5814MHz.



2.4 Description of Test System

No.	Device	Manufacturer	Model No.	Description
1	iPod	APPLE	MA477TA/A	N/A
2	Speaker (Left)	Solidex	WS 90T	N/A
3	Speaker (Right)	Solidex	WS 90T	N/A
4	Remote Control	Solidex	N/A	N/A

The cable used

No.	Cable	Quantity	Description
A	Audio Cable	1	1.5m Non Shielding without core
B	USB Cable	1	1.2m Shielding with two core

2.5 General Information of Test

Test Site:	CerpPASS Technology Corp.
Performed Location :	No.66,Tangzhuang Road, Suzhou Industrial Park, Jiangsu 215006, China
NVLAP LAB Code :	200814-0
FCC Registration Number :	916572, 331395
IC Registration Number :	7290A-1, 7290A-2
VCCI Registration Number :	T-343 for Telecommunication Test C-2919 for Conducted emission test R-2670 for Radiated emission test below 1GHz G-227 for Radiated emission test above 1GHz

Laboratory accreditation





2.6 Measurement Uncertainty

Measurement Item	Measurement Frequency	Polarization	Uncertainty
Conducted Emission	9 kHz ~ 30 MHz	LINE/NEUTRAL	± 2.71 dB
Radiated Emission	30 MHz ~ 25GHz	Vertical	± 4.11 dB
		Horizontal	± 4.10 dB
Occupied Bandwidth	---	---	± 7500 Hz
Maximum Peak Output Power	---	---	± 1.4 dB
Band Edges	---	---	± 2.2 dB
Power Spectral Density	---	---	± 2.2 dB



3. Test of Conducted Emission

3.1 Test Limit

Conducted Emissions were measured from 150 kHz to 30 MHz with a bandwidth of 9 KHz on the 120 VAC power and return leads of the EUT according to the methods defined in ANSI C63.4-2009 Section 3.1. The EUT was placed on a nonmetallic stand in a shielded room 0.8 meters above the ground plane as shown in section 2.2. The interface cables and equipment positioning were varied within limits of reasonable applications to determine the position produced maximum conducted emissions.

Frequency (MHz)	Quasi Peak (dB μ V)	Average (dB μ V)
0.15 – 0.5	66-56*	56-46*
0.5 – 5.0	56	46
5.0 – 30.0	60	50

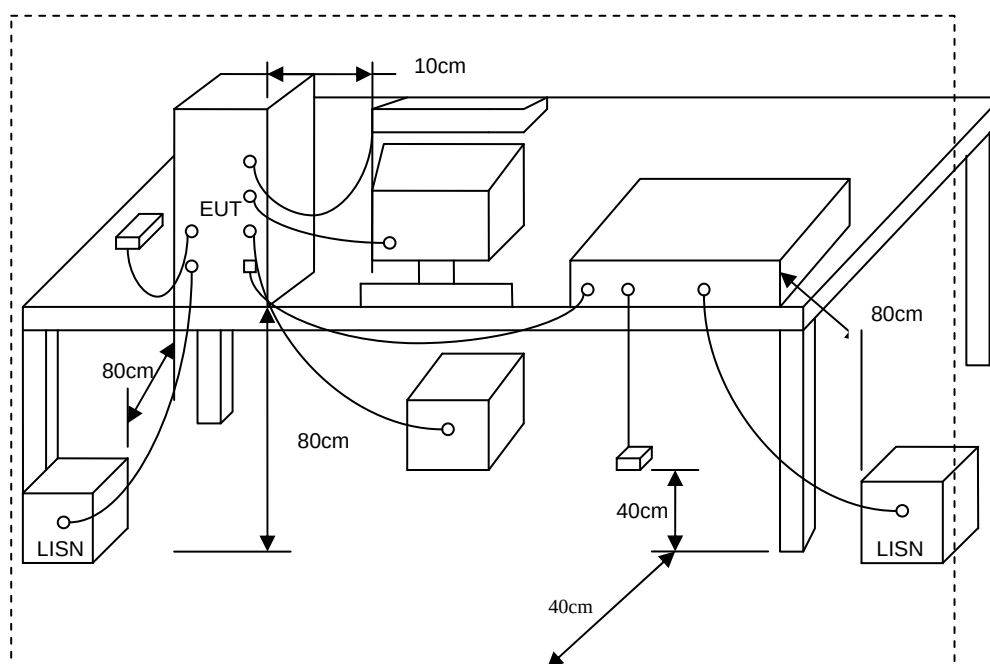
*Decreases with the logarithm of the frequency.

3.2 Test Procedures

- The EUT was placed 0.4 meter from the conducting wall of the shielding room was kept at least 80 centimeters from any other grounded conducting surface.
- Connect EUT to the power mains through a line impedance stabilization network (LISN).
- All the support units are connecting to the other LISN.
- The LISN provides 50 ohm coupling impedance for the measuring instrument.
- The FCC states that a 50 ohm, 50 micro-Henry LISN should be used.
- Both sides of AC line were checked for maximum conducted interference.
- The frequency range from 150 kHz to 30 MHz was searched.
- Set the test-receiver system to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.



3.3 Typical Test Setup



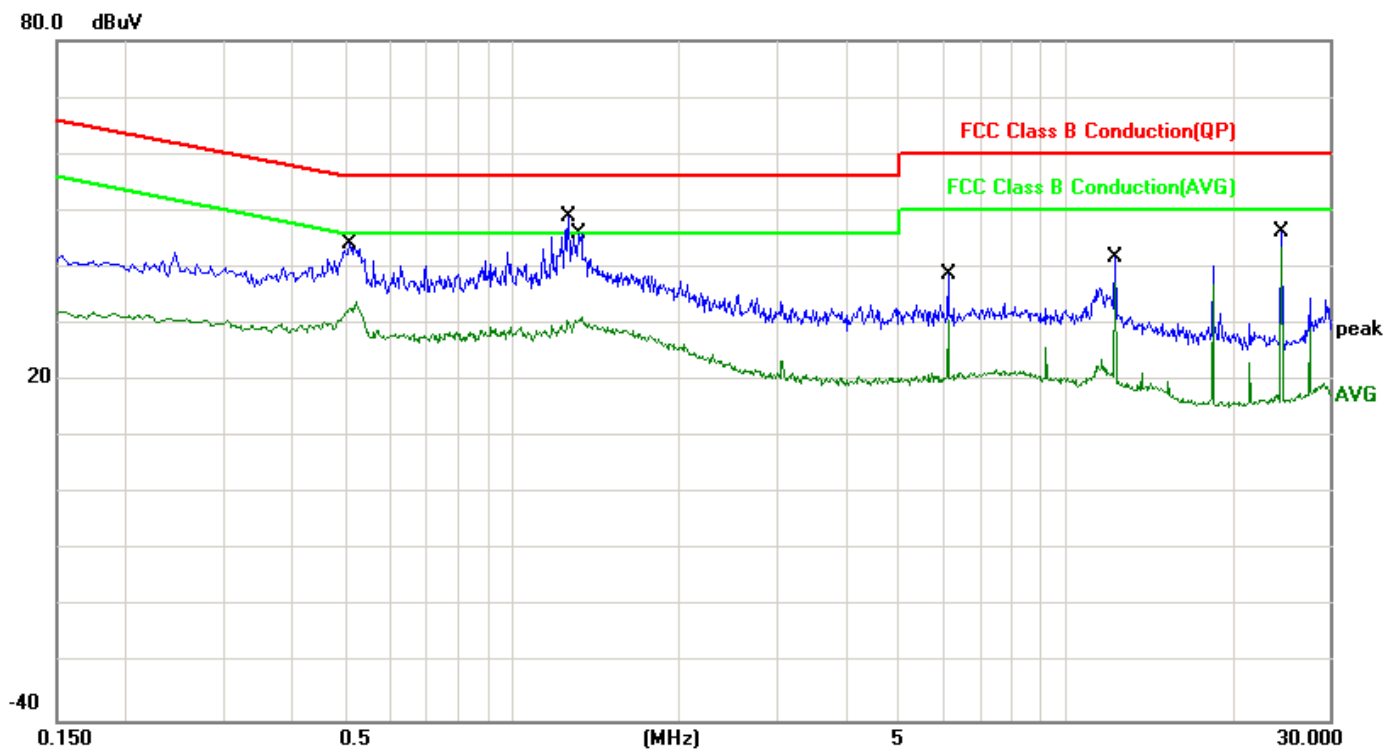
3.4 Measurement equipment

Instrument/Ancillary	Manufacturer	Model No.	Serial No.	Calibration Date	Valid Date.
Test Receiver	R&S	ESCI	100565	2013.03.10	2014.03.09
AMN	R&S	ESH2-Z5	100182	2013.09.11	2014.09.10
Two-Line V-Network	R&S	ENV216	100325	2013.03.10	2014.03.09
ISN	FCC	FCC-TLISN-T2-02	20379	2013.06.25	2014.06.24
ISN	FCC	FCC-TLISN-T4-02	20380	2013.06.25	2014.06.24
ISN	FCC	FCC-TLISN-T8-02	20381	2013.07.09	2014.07.08
ISN	TESEQ	ISN ST08	30175	2013.09.11	2014.09.10
Current Probe	R&S	EZ-17	100303	2013.03.10	2014.03.09
Passive Voltage Probe	R&S	ESH2-Z3	100026	2013.03.10	2014.03.09
Pulse Limiter	R&S	ESH3-Z2	100529	2013.03.10	2014.03.09
Temperature/ Humidity Meter	Zhicheng	ZC1-11	CEP-TH-004	2013.03.10	2014.03.09



3.5 Test Result and Data

Power	: AC 120V/60Hz	Pol/Phase	: LINE
Test Mode	: Normal Link	Temperature	: 25 °C
Memo	:	Humidity	: 60 %

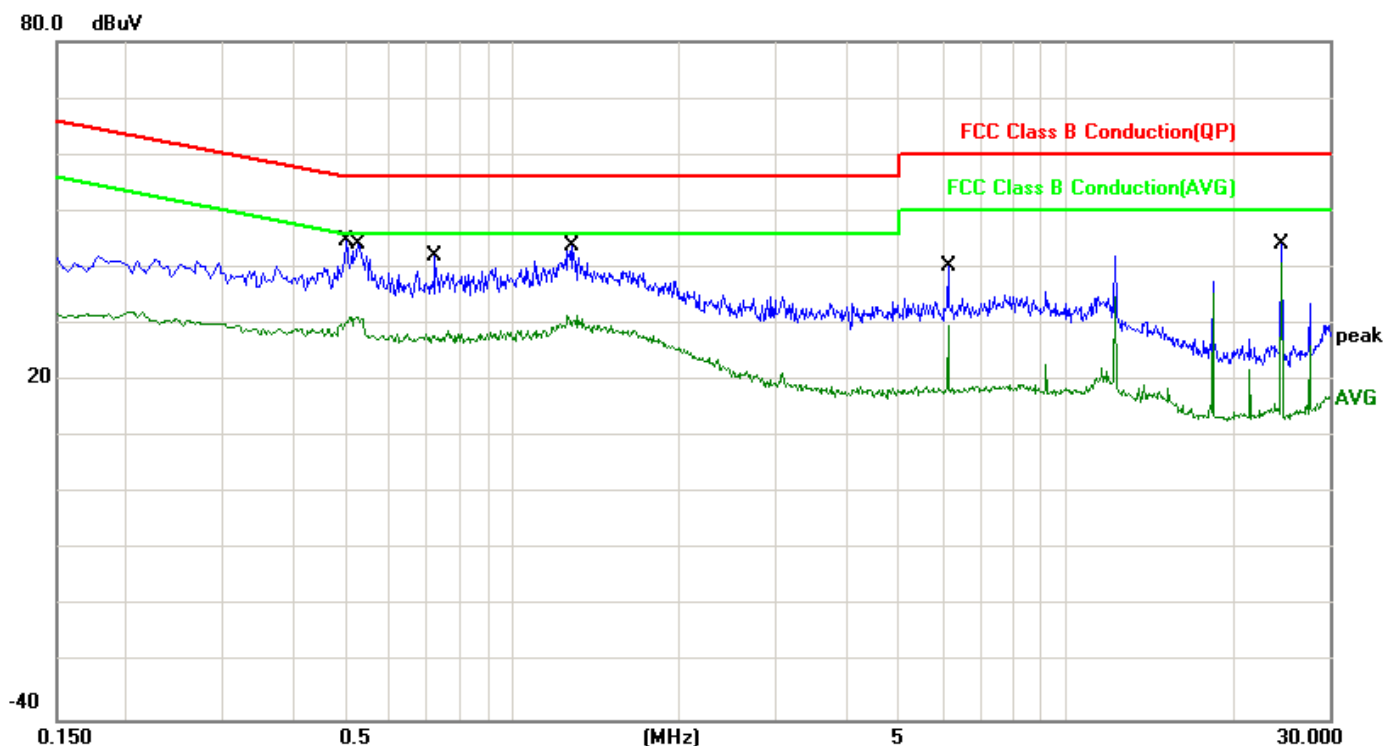


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.5100	10.07	29.64	39.71	56.00	-16.29	QP
2	0.5100	10.07	22.84	32.91	46.00	-13.09	AVG
3	1.2660	10.11	26.74	36.85	56.00	-19.15	QP
4	1.2660	10.11	18.96	29.07	46.00	-16.93	AVG
5	1.3180	10.11	27.35	37.46	56.00	-18.54	QP
6	1.3180	10.11	19.82	29.93	46.00	-16.07	AVG
7	6.1460	10.23	25.78	36.01	60.00	-23.99	QP
8	6.1460	10.23	19.50	29.73	50.00	-20.27	AVG
9	12.2860	10.32	28.91	39.23	60.00	-20.77	QP
10	12.2860	10.32	26.24	36.56	50.00	-13.44	AVG
11	24.5780	10.46	33.57	44.03	60.00	-15.97	QP
12	24.5780	10.46	32.34	42.80	50.00	-7.20	AVG

Note: Measurement Level = Reading Level + Correct Factor



Power	: AC 120V/60Hz	Pol/Phase	: NEUTRAL
Test Mode	: Normal Link	Temperature	: 25 °C
Memo	:	Humidity	: 60 %



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.5020	10.11	28.10	38.21	56.00	-17.79	QP
2	0.5020	10.11	20.07	30.18	46.00	-15.82	AVG
3	0.5260	10.12	29.01	39.13	56.00	-16.87	QP
4	0.5260	10.12	20.86	30.98	46.00	-15.02	AVG
5	0.7260	10.14	22.70	32.84	56.00	-23.16	QP
6	0.7260	10.14	17.24	27.38	46.00	-18.62	AVG
7	1.2860	10.16	26.37	36.53	56.00	-19.47	QP
8	1.2860	10.16	19.81	29.97	46.00	-16.03	AVG
9	6.1460	10.27	26.06	36.33	60.00	-23.67	QP
10	6.1460	10.27	17.67	27.94	50.00	-22.06	AVG
11	24.5780	10.47	32.42	42.89	60.00	-17.11	QP
12	24.5780	10.47	30.62	41.09	50.00	-8.91	AVG

Note: Measurement Level = Reading Level + Correct Factor



4. Test of Radiated Emission

4.1 Test Limit

All emission from a digital device, including any network of conductors and apparatus connected thereto, shall not exceed the level of field strength specified below:

A. FCC Part 15 Subpart C Paragraph 15.249(a) Limit

Frequency (MHz)	Field strength of Fundamental	Field strength of Harmonics	Distance (m)
902~928	50mV/m (94dB μ V/m)	500 μ V/m (54dB μ V/m)	3
2400~2483.5	50mV/m (94dB μ V/m)	500 μ V/m (54dB μ V/m)	3
5725~5875	50mV/m (94dB μ V/m)	500 μ V/m (54dB μ V/m)	3

Note: 1. RF Field Strength (dBuV) = 20 log RF Voltage (μ V)

2. Distance refers to the distance in meters between the measuring instrument antenna and the closed point of any part of the device or system.

3. The emission limit in this paragraph is based on measurement instrumentation employing an average detector.

B. Frequencies in restricted band are complied to limit on Paragraph 15.209.

Frequency range (MHz)	Field Strength		Field Strength Limitation at 3m Measurement Dist	
	μ V/m	Dist	(μ V/m)	(dBuV/m)
0.009 - 0.490	2400/F(KHz)	300m	10000* 2400/F(KHz)	20log 2400/F(KHz) + 80
0.490 - 1.705	2400/F(KHz)	30m	100* 2400/F(KHz)	20log 2400/F(KHz) + 40
1.705 - 30.00	30	30m	100*30	20log 30 + 40
30.0 - 88.0	100	3m	100	20log 100
88.0 - 216.0	150	3m	150	20log 150
216.0 - 960.0	200	3m	200	20log 200
Above 960.0	500	3m	500	20log 500

Note: 1. RF Voltage (dBuV) = 20 log RF Voltage (μ V)

2. In the Above Table, the tighter limit applies at the band edges.

3. Distance refers to the distance in meters between the measuring instrument antenna and the EUT

4. All scanning using PK detector. And the final emission level was get using QP detector for frequency range from 30-1000MHz. As to 1G-40G, the final emission level got using PK and AV detector.

5. Alternative switch power supply board provided to the EUT. After pre-scan, the worse case was recorded.

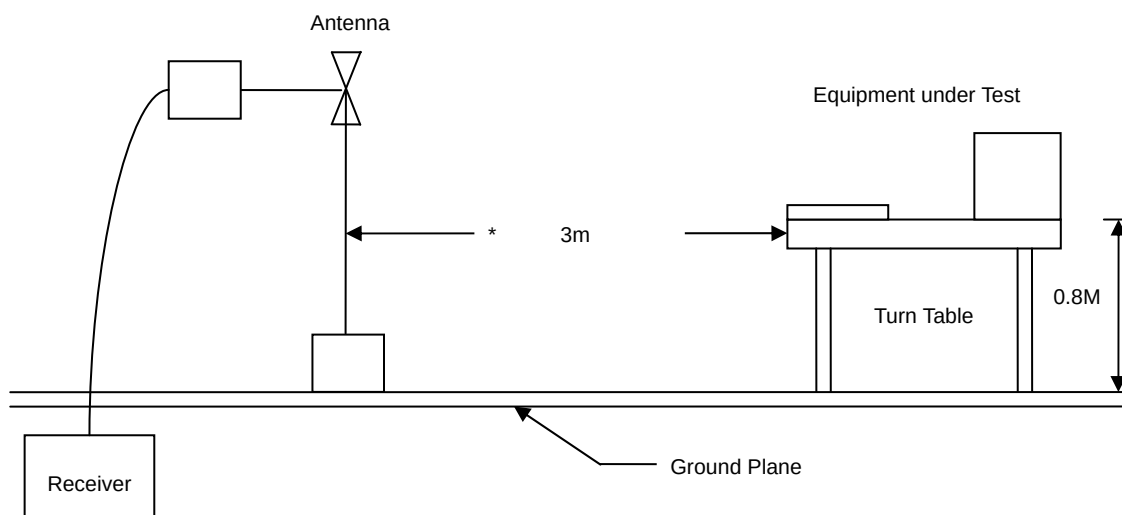


4.2 Test Procedures

- a. The EUT was placed on a rotatable table top 0.8 meter above ground.
- b. The EUT was set 3 meters from the interference receiving antenna which was mounted on the top of a variable height antenna tower.
- c. The table was rotated 360 degrees to determine the position of the highest radiation.
- d. The antenna is a broadband antenna and its height is varied between one meter and four meters above ground to find the maximum value of the field strength both horizontal polarization and vertical polarization of the antenna are set to make the measurement.
- e. For each suspected emission the EUT was arranged to its worst case and then tune the antenna tower (from 1 M to 4 M) and turn table (from 0 degree to 360 degrees) to find the maximum reading.
- f. Set the test-receiver system to Peak or CISPR quasi-peak Detect Function and specified bandwidth with Maximum Hold Mode.
- g. If the emission level of the EUT in peak mode was 3 dB lower than the limit specified, then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions which do not have 3 dB margin will be repeated one by one using the quasi-peak method and reported.
- h. For testing above 1GHz, the emission level of the EUT in peak mode was 20dB lower than average limit (that means the emission level in peak mode also complies with the limit in average mode), then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions will be measured in average mode again and reported.

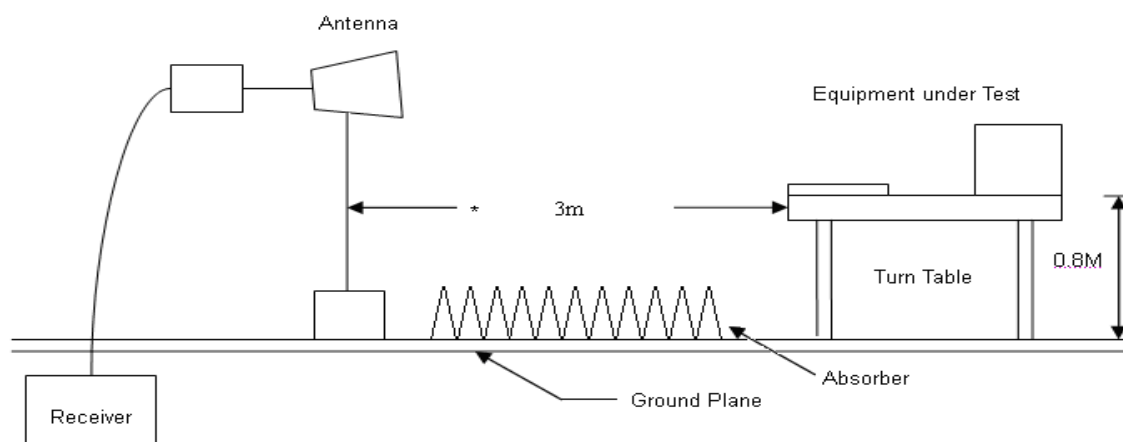
4.3 Typical Test Setup

Below 1GHz Test Setup





Above 1GHz Test Setup



4.4 Measurement equipment

Instrument	Model No.	Manufacturer	Serial No.	Calibration Date	Valid Date
EMI Test Receiver	ESCI	R&S	101183	2013.03.10	2014.03.09
H64 Amplifier	8447F	HP	3113A05582	2013.03.10	2014.03.09
Preamplifier	8449B	Agilent	3008A02342	2013.03.10	2014.03.09
Ultra Broadband Antenna	HL562	R&S	100363	2013.05.02	2014.05.01
Broad-Band Horn Antenna	BBHA9120D	Schwarzbeck	9120D-619	2013.05.02	2014.05.01
Spectrum Analyzer	FSP40	R&S	100324	2013.03.10	2014.03.09
Temperature/ Humidity Meter	ZC1-11	Zhicheng	CEP-TH-002	2013.03.10	2014.03.09



4.5 Test Result and Data

A . Fundamental & Harmonics Radiated Emission Data

Test Date : 2013-10-18
Temperature : 23°C
Humidity : 65%
Atmospheric Pressure : 1020 hPa

For 2.4GHz Band (Chain 0)

Fundamental Frequency: 2412 MHz

VERTICAL

No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	2412.000	2.020	110.383	112.403	-1.597	114.000	PEAK
2	2412.000	2.020	89.234	91.254	-2.746	94.000	AVG

HORIZONTAL

No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	2412.000	1.811	99.965	101.985	-12.015	114.000	PEAK
2	2412.000	1.811	80.262	82.282	-11.718	94.000	AVG

Fundamental Frequency: 2438 MHz

VERTICAL

No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	2438.000	1.955	107.335	109.29	-4.710	114.000	PEAK
2	2438.000	1.955	88.674	90.629	-3.371	94.000	AVG

HORIZONTAL

No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	2438.000	1.903	100.321	102.224	-11.776	114.000	PEAK
2	2438.000	1.903	79.684	81.587	-12.413	94.000	AVG



Fundamental Frequency: 2464 MHz

VERTICAL

No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	2464.000	1.884	109.290	111.174	-2.826	114.000	PEAK
2	2464.000	1.884	88.657	90.541	-3.459	94.000	AVG

HORIZONTAL

No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	2464.000	2.030	98.834	100.864	-13.136	114.000	PEAK
2	2464.000	2.030	79.635	81.665	-12.335	94.000	AVG

For 2.4GHz Band (Chain 1)

Fundamental Frequency: 2412 MHz

VERTICAL

No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	2412.000	2.020	108.251	110.271	-3.729	114.000	PEAK
2	2412.000	2.020	90.263	92.283	-1.717	94.000	AVG

HORIZONTAL

No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	2412.000	1.811	95.236	97.047	-16.953	114.000	PEAK
2	2412.000	1.811	77.253	79.064	-14.936	94.000	AVG

Fundamental Frequency: 2438 MHz

VERTICAL

No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	2438.000	1.955	105.365	107.32	-6.680	114.000	PEAK
2	2438.000	1.955	86.667	88.622	-5.378	94.000	AVG

HORIZONTAL

No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	2438.000	1.903	102.452	104.355	-9.645	114.000	PEAK
2	2438.000	1.903	83.718	85.621	-8.379	94.000	AVG



Fundamental Frequency: 2464 MHz

VERTICAL

No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	2464.000	2.030	107.263	109.293	-4.707	114.000	PEAK
2	2464.000	2.030	88.690	90.720	-3.280	94.000	AVG

HORIZONTAL

No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	2464.000	1.884	98.112	99.996	-14.004	114.000	PEAK
2	2464.000	1.884	80.265	82.149	-11.851	94.000	AVG

For 5.8GHz Band (Chain 0)

Fundamental Frequency: 5736 MHz

VERTICAL

No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	5736.000	14.352	95.360	109.712	-4.288	114.000	PEAK
2	5736.000	14.352	76.593	90.945	-3.055	94.000	AVG

HORIZONTAL

No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	5736.000	13.955	84.226	98.181	-15.819	114.000	PEAK
2	5736.000	13.955	64.268	78.223	-15.767	94.000	AVG

Fundamental Frequency: 5762 MHz

VERTICAL

No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	5762.000	14.382	94.957	109.339	-4.661	114.000	PEAK
2	5762.000	14.382	75.458	89.84	-4.160	94.000	AVG

HORIZONTAL

No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	5762.000	14.025	86.596	100.621	-13.379	114.000	PEAK
2	5762.000	14.025	67.486	81.511	-12.489	94.000	AVG



Fundamental Frequency: 5814 MHz

VERTICAL

No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	5814.000	14.403	95.447	109.850	-4.150	114.000	PEAK
2	5814.000	14.403	74.265	88.668	-5.332	94.000	AVG

HORIZONTAL

No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	5814.000	14.436	83.228	97.664	-16.336	114.000	PEAK
2	5814.000	14.436	62.145	76.581	-17.419	94.000	AVG

For 5.8GHz Band (Chain 1)

Fundamental Frequency: 5736 MHz

VERTICAL

No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	5736.000	14.352	93.265	107.617	-6.383	114.000	PEAK
2	5736.000	14.352	70.115	84.467	-9.533	94.000	AVG

HORIZONTAL

No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	5736.000	13.955	84.152	98.107	-15.893	114.000	PEAK
2	5736.000	13.955	63.458	77.413	-16.587	94.000	AVG

Fundamental Frequency: 5762 MHz

VERTICAL

No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	5762.000	14.382	95.347	109.729	-4.271	114.000	PEAK
2	5762.000	14.382	75.668	90.05	-3.950	94.000	AVG

HORIZONTAL

No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	5762.000	14.025	87.023	101.048	-12.952	114.000	PEAK
2	5762.000	14.025	68.974	82.999	-11.001	94.000	AVG



Fundamental Frequency: 5814 MHz

VERTICAL

No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	5814.000	14.403	93.471	107.874	-6.126	114.000	PEAK
2	5814.000	14.406	71.025	85.431	-8.569	94.000	AVG

HORIZONTAL

No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	5814.000	14.436	82.905	97.341	-16.659	114.000	PEAK
2	5814.000	14.436	62.254	76.690	-17.310	94.000	AVG

**B. General Radiated Emission Data****Transmitter****Under 1GHz**

Site : EMC Lab AC 102	Time : 2013-12-17
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Test mode: Normal link	Probe : VERTICAL/ HORIZONTAL
Power : AC 120V/60Hz	

Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
36.7900	-9.07	42.16	33.09	40.00	-6.91	V	QP
61.0400	-17.25	52.60	35.35	40.00	-4.65	V	QP
85.2900	-13.47	52.70	39.23	40.00	-0.77	V	QP
110.5100	-9.92	46.04	36.12	43.50	-7.38	V	QP
134.7600	-10.74	45.02	34.28	43.50	-9.22	V	QP
159.0100	-13.05	43.42	30.37	43.50	-13.13	V	QP
85.2900	-13.47	49.33	35.86	40.00	-4.14	H	QP
110.5100	-9.92	52.84	42.92	43.50	-0.58	H	QP
134.7600	-10.74	53.14	42.40	43.50	-1.10	H	QP
159.0100	-13.05	52.20	39.15	43.50	-4.35	H	QP
184.2300	-11.83	48.08	36.25	43.50	-7.25	H	QP
208.4800	-10.19	43.58	33.39	43.50	-10.11	H	QP

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor

**Above 1GHz****For 2.4GHz Band (Chain 0)**

Site : EMC Lab AC 102	Time : 2013-10-17
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Test mode: Transmit by 2412MHz	Probe : VERTICAL/ HORIZONTAL
Power : AC 120V/60Hz	

	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	Antenna Pole (V/H)
1	4840	9.030	44.099	53.129	-20.841	73.970	PEAK	V
2	4840	9.030	30.256	39.286	-14.684	53.970	AVG	V
1	4840	9.659	41.670	51.329	-22.641	73.970	PEAK	H
2	4840	9.659	26.470	36.129	-17.841	53.970	AVG	H

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor



Site : EMC Lab AC 102	Time : 2013-10-17
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Test mode: Transmit by 2438MHz	Probe : VERTICAL/ HORIZONTAL
Power : AC 120V/60Hz	

	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	Antenna Pole (V/H)
1	4870	9.024	41.665	50.689	-23.281	73.970	PEAK	V
2	4870	9.024	25.983	35.007	-18.963	53.970	AVG	V
1	4870	9.660	40.664	50.324	-23.646	73.970	PEAK	H
2	4870	9.660	26.780	36.440	-17.530	53.970	AVG	H

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor



Site : EMC Lab AC 102	Time : 2013-10-17
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Test mode: Transmit by 2464MHz	Probe : VERTICAL/ HORIZONTAL
Power : AC 120V/60Hz	

	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	Antenna Pole (V/H)
1	4930	9.008	40.079	49.087	-24.883	73.970	PEAK	V
2	4930	9.008	24.025	33.033	-20.937	53.970	AVG	V
1	4930	9.670	40.317	49.987	-23.983	73.970	PEAK	H
2	4930	9.670	23.589	33.259	-20.711	53.970	AVG	H

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor

**For 2.4GHz Band (Chain 1)**

Site : EMC Lab AC 102	Time : 2013-10-18
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Test mode: Transmit by 2412MHz	Probe : VERTICAL/ HORIZONTAL
Power : AC 120V/60Hz	

	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	Antenna Pole (V/H)
1	4841	9.031	43.890	52.921	-21.049	73.970	PEAK	V
2	4841	9.031	31.335	40.366	-13.604	53.970	AVG	V
1	4840	9.659	40.890	50.549	-23.421	73.970	PEAK	H
2	4840	9.659	25.559	35.218	-18.752	53.970	AVG	H

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor



Site : EMC Lab AC 102	Time : 2013-10-18
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Test mode: Transmit by 2438MHz	Probe : VERTICAL/ HORIZONTAL
Power : AC 120V/60Hz	

	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	Antenna Pole (V/H)
1	4869	9.002	40.256	49.255	-24.715	73.970	PEAK	V
2	4869	9.002	24.228	33.230	-20.740	53.970	AVG	V
1	4870	9.660	42.264	51.924	-22.046	73.970	PEAK	H
2	4870	9.660	29.231	38.891	-15.079	53.970	AVG	H

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor



Site : EMC Lab AC 102	Time : 2013-10-18
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Test mode: Transmit by 2464MHz	Probe : VERTICAL/ HORIZONTAL
Power : AC 120V/60Hz	

	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	Antenna Pole (V/H)
1	4930	9.008	39.152	48.160	-25.810	73.970	PEAK	V
2	4930	9.008	22.215	31.223	-22.747	53.970	AVG	V
1	4930	9.670	39.118	48.788	-25.182	73.970	PEAK	H
2	4930	9.670	22.263	31.933	-22.037	53.970	AVG	H

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor

**For 5.8GHz Band (Chain 0)**

Site : EMC Lab AC 102	Time : 2013-10-18
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Test mode: Transmit by 5736MHz	Probe : VERTICAL/ HORIZONTAL
Power : AC 120V/60Hz	

	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	Antenna Pole (V/H)
1	3847.500	5.975	45.908	51.883	-22.087	73.970	PEAK	V
2	3847.500	5.975	30.874	36.849	-17.121	53.970	AVG	V
3	11472.000	21.960	31.060	53.020	-20.950	73.970	PEAK	V
4	11472.000	21.960	17.025	38.985	-14.985	53.970	AVG	V
1	3847.5	6.405	42.087	48.492	-25.478	73.970	PEAK	H
2	3847.5	6.405	26.893	33.298	-20.672	53.970	AVG	H

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor



Site : EMC Lab AC 102	Time : 2013-10-18
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Test mode: Transmit by5762MHz	Probe : VERTICAL/ HORIZONTAL
Power : AC 120V/60Hz	

	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	Antenna Pole (V/H)
1	3847.500	5.975	47.652	53.627	-20.343	73.970	PEAK	V
2	3847.500	5.975	32.011	37.986	-15.984	53.970	AVG	V
3	5547.500	10.465	42.583	53.048	-20.922	73.970	PEAK	V
4	5547.500	10.465	27.025	37.490	-16.480	53.970	AVG	V
5	11524.000	21.927	30.358	52.285	-21.685	73.970	PEAK	V
6	11524.000	21.927	15.028	36.955	-17.015	53.970	AVG	V
1	3847.500	6.405	43.623	50.028	-23.942	73.970	PEAK	H
2	3847.500	6.405	28.250	34.655	-19.315	53.970	AVG	H
3	5547.500	11.105	42.325	53.430	-20.540	73.970	PEAK	H
4	5547.500	11.105	27.587	38.692	-15.278	53.970	AVG	H
5	11524.000	21.958	31.290	53.248	-20.722	73.970	PEAK	H
6	11524.000	21.958	17.028	38.986	-14.984	53.970	AVG	H

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor



Site : EMC Lab AC 102	Time : 2013-10-18
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Test mode: Transmit by 5814MHz	Probe : VERTICAL/ HORIZONTAL
Power : AC 120V/60Hz	

	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	Antenna Pole (V/H)
1	3890.000	5.850	46.127	51.977	-21.993	73.970	PEAK	V
2	3890.000	5.850	31.078	36.928	-17.042	53.970	AVG	V
3	5335.000	9.600	42.849	52.449	-21.521	73.970	PEAK	V
4	5335.000	9.600	27.998	37.598	-16.372	53.970	AVG	V
5	11625.000	21.630	30.071	51.701	-22.269	73.970	PEAK	V
6	11625.000	21.630	14.325	35.955	-18.015	53.970	AVG	V
1	3890.000	6.480	44.703	51.183	-22.787	73.970	PEAK	H
2	3890.000	6.480	30.172	36.652	-17.318	53.970	AVG	H
3	5462.500	10.845	40.498	51.343	-22.627	73.970	PEAK	H
4	5462.500	10.845	25.282	36.127	-17.843	53.970	AVG	H
5	11625.000	21.720	31.826	53.546	-20.424	73.970	PEAK	H
6	11625.000	21.720	16.025	37.745	-16.225	53.970	AVG	H

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor

**For 5.8GHz Band (Chain 1)**

Site : EMC Lab AC 102	Time : 2013-10-18
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Test mode: Transmit by 5736MHz	Probe : VERTICAL/ HORIZONTAL
Power : AC 120V/60Hz	

	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	Antenna Pole (V/H)
1	3847.500	5.975	45.698	51.673	-22.327	74.000	PEAK	V
2	11472.000	21.960	32.598	54.558	-19.442	74.000	PEAK	V
1	3847.000	6.445	43.262	49.707	-24.293	74.000	PEAK	H
2	11472.000	21.960	33.265	55.225	-18.775	74.000	PEAK	H

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor



Site : EMC Lab AC 102	Time : 2013-10-18
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Test mode: Transmit by 5762MHz	Probe : VERTICAL/ HORIZONTAL
Power : AC 120V/60Hz	

	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	Antenna Pole (V/H)
1	3847.500	5.975	46.985	52.960	-21.040	74.000	PEAK	V
2	3847.500	5.975	33.261	39.236	-14.764	54.000	AVG	V
3	11524.000	21.927	29.580	51.507	-22.493	74.000	PEAK	V
1	3847.000	6.445	44.061	50.506	-23.494	74.000	PEAK	H
2	5547.000	11.105	44.365	55.470	-18.530	74.000	PEAK	H
3	5547.000	11.105	29.698	40.803	-13.197	54.000	AVG	H

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor



Site : EMC Lab AC 102	Time : 2013-10-18
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Test mode: Transmit by 5814MHz	Probe : VERTICAL/ HORIZONTAL
Power : AC 120V/60Hz	

	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	Antenna Pole (V/H)
1	3890.000	5.850	45.652	51.502	-22.498	74.000	PEAK	V
2	5335.000	9.600	41.368	50.968	-23.032	74.000	PEAK	V
1	3890.000	6.480	44.258	50.738	-23.262	74.000	PEAK	H
2	5462.500	10.845	39.684	50.529	-23.471	74.000	PEAK	H

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor

**Receiver
Under 1GHz**

Site : EMC Lab AC 102	Time : 2013-12-19
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Test mode: Normal link	Probe : VERTICAL/ HORIZONTAL
Power : AC 120V/60Hz	

Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
48.4300	-14.84	51.07	36.23	40.00	-3.77	V	QP
61.0400	-17.25	56.23	38.98	40.00	-1.02	V	QP
85.2900	-13.47	52.36	38.89	40.00	-1.11	V	QP
110.5100	-9.92	44.71	34.79	43.50	-8.71	V	QP
134.7600	-10.74	48.89	38.15	43.50	-5.35	V	QP
184.2300	-11.83	45.47	33.64	43.50	-9.86	V	QP
61.0400	-17.25	51.54	34.29	40.00	-5.71	H	QP
85.2900	-13.47	51.02	37.55	40.00	-2.45	H	QP
110.5100	-9.92	52.40	42.48	43.50	-1.02	H	QP
134.7600	-10.74	53.44	42.70	43.50	-0.80	H	QP
184.2300	-11.83	49.01	37.18	43.50	-6.32	H	QP
331.6700	-4.11	42.04	37.93	46.00	-8.07	H	QP

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor

**Above 1GHz****For 2.4GHz Band (Chain 0)**

Site : EMC Lab AC 102	Time : 2013-10-21
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Test mode: Receive by 2412MHz	Probe : VERTICAL/ HORIZONTAL
Power : AC 120V/60Hz	

	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	Antenna Pole (V/H)
1	3010.000	3.916	36.205	40.121	-33.849	73.970	PEAK	V
2	5620.000	10.578	33.259	43.837	-30.133	73.970	PEAK	V
1	1720.000	-2.002	39.138	37.136	-36.834	73.970	PEAK	H
2	1720.000	-2.002	24.142	22.140	-31.830	53.970	AVG	H
3	7900.000	16.519	35.988	52.507	-21.463	73.970	PEAK	H
4	7900.000	16.519	20.144	36.663	-17.307	53.970	AVG	H

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor



Site : EMC Lab AC 102	Time : 2013-10-21
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Test mode: Receive by 2438MHz	Probe : VERTICAL/ HORIZONTAL
Power : AC 120V/60Hz	

	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	Antenna Pole (V/H)
1	3010.000	3.916	37.023	40.939	-33.031	73.970	PEAK	V
2	3010.000	3.916	22.025	25.941	-28.029	53.970	AVG	V
3	5620.000	10.578	35.847	46.425	-27.545	73.970	PEAK	V
4	5620.000	10.578	20.714	31.292	-22.678	53.970	AVG	V
1	4720.000	9.214	35.688	44.902	-29.068	73.970	PEAK	H
2	4720.000	9.214	20.153	29.367	-24.603	53.970	AVG	H
3	6970.000	15.847	34.473	50.320	-23.650	73.970	PEAK	H
4	6970.000	15.847	19.699	35.546	-18.424	53.970	AVG	H

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor



Site : EMC Lab AC 102	Time : 2013-10-21
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Test mode: Receive by 2464MHz	Probe : VERTICAL/ HORIZONTAL
Power : AC 120V/60Hz	

	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	Antenna Pole (V/H)
1	3700.000	4.903	37.119	42.022	-31.948	73.970	PEAK	V
2	3700.000	4.903	22.047	26.950	-27.020	53.970	AVG	V
3	7390.000	16.161	35.899	52.060	-21.910	73.970	PEAK	V
4	7390.000	16.161	19.369	35.530	-18.440	53.970	AVG	V
1	3910.000	6.515	36.246	42.761	-31.209	73.970	PEAK	H
2	3910.000	6.515	21.025	27.540	-26.430	53.970	AVG	H
3	7390.000	16.514	35.620	52.134	-21.836	73.970	PEAK	H
4	7390.000	16.514	20.147	36.661	-17.309	53.970	AVG	H

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor

**For 2.4GHz Band (Chain 1)**

Site : EMC Lab AC 102	Time : 2013-10-21
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Test mode: Receive by 2412MHz	Probe : VERTICAL/ HORIZONTAL
Power : AC 120V/60Hz	

	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	Antenna Pole (V/H)
1	3010.000	3.916	35.369	39.285	-34.685	73.970	PEAK	V
2	5620.000	10.578	32.154	42.732	-31.238	73.970	PEAK	V
1	1720.000	-2.002	40.126	38.124	-35.876	74.000	PEAK	H
2	7900.000	16.519	34.547	51.066	-22.934	74.000	PEAK	H

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor



Site : EMC Lab AC 102	Time : 2013-10-21
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Test mode: Receive by 2438MHz	Probe : VERTICAL/ HORIZONTAL
Power : AC 120V/60Hz	

	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	Antenna Pole (V/H)
1	3010.000	3.916	36.544	40.460	-33.540	74.000	PEAK	V
2	5620.000	10.578	34.254	44.832	-29.168	74.000	PEAK	V
1	4720.000	9.214	36.588	45.802	-28.198	74.000	PEAK	H
2	6970.000	15.847	34.201	50.048	-23.952	74.000	PEAK	H

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor



Site : EMC Lab AC 102	Time : 2013-10-21
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Test mode: Receive by 2464MHz	Probe : VERTICAL/ HORIZONTAL
Power : AC 120V/60Hz	

	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	Antenna Pole (V/H)
1	3700.000	4.903	38.415	43.318	-30.682	74.000	PEAK	V
2	7390.000	16.161	34.120	50.281	-23.719	74.000	PEAK	V
3	7390.000	16.161	18.559	34.720	-19.280	54.000	AVG	V
1	3910.000	6.515	37.845	44.360	-29.640	74.000	PEAK	H
2	7390.000	16.514	37.411	53.925	-20.075	74.000	PEAK	H
3	7390.000	16.514	21.569	38.083	-15.917	54.000	AVG	H

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor

**For 5.8GHz Band (Chain 0)**

Site : EMC Lab AC 102	Time : 2013-10-21
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Test mode: Receive by 5736MHz	Probe : VERTICAL/ HORIZONTAL
Power : AC 120V/60Hz	

	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	Antenna Pole (V/H)
1	3847.500	5.975	39.701	45.676	-28.294	73.970	PEAK	V
2	3847.500	5.975	24.028	30.003	-23.967	53.970	AVG	V
3	6992.500	16.000	33.976	49.976	-23.994	73.970	PEAK	V
4	6992.500	16.000	18.784	34.784	-19.186	53.970	AVG	V
1	3847.500	6.405	40.650	47.055	-26.915	73.970	PEAK	H
2	3847.500	6.405	25.789	32.194	-21.776	53.970	AVG	H
3	6907.500	15.095	35.192	50.287	-23.683	73.970	PEAK	H
4	6907.500	15.095	19.875	34.970	-19.000	53.970	AVG	H

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor



Site : EMC Lab AC 102	Time : 2013-10-21
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Test mode: Receive by 5762MHz	Probe : VERTICAL/ HORIZONTAL
Power : AC 120V/60Hz	

	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	Antenna Pole (V/H)
1	3847.500	5.975	40.915	46.890	-27.080	73.970	PEAK	V
2	3847.500	5.975	24.693	30.668	-23.302	53.970	AVG	V
3	6950.000	15.490	34.986	50.476	-23.494	73.970	PEAK	V
4	6950.000	15.490	19.679	35.169	-18.801	53.970	AVG	V
1	3847.500	6.405	39.299	45.704	-28.266	73.970	PEAK	H
2	3847.500	6.405	24.026	30.431	-23.539	53.970	AVG	H
3	6907.500	15.095	34.819	49.914	-24.056	73.970	PEAK	H
4	6907.500	15.095	20.824	35.919	-18.051	53.970	AVG	H

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor



Site : EMC Lab AC 102	Time : 2013-10-21
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Test mode: Receive by 5814MHz	Probe : VERTICAL/ HORIZONTAL
Power : AC 120V/60Hz	

	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	Antenna Pole (V/H)
1	3847.500	5.975	40.171	46.146	-27.824	73.970	PEAK	V
2	3847.500	5.975	24.089	30.064	-23.906	53.970	AVG	V
3	6950.000	15.490	34.988	50.478	-23.492	73.970	PEAK	V
4	6950.000	15.490	20.369	35.859	-18.111	53.970	AVG	V
1	3847.500	6.405	39.837	46.242	-27.728	73.970	PEAK	H
2	3847.500	6.405	23.687	30.092	-23.878	53.970	AVG	H
3	6992.500	16.105	34.964	51.069	-22.901	73.970	PEAK	H
4	6992.500	16.105	19.274	35.379	-18.591	53.970	AVG	H

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor

**For 5.8GHz Band (Chain 1)**

Site : EMC Lab AC 102	Time : 2013-10-21
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Test mode: Receive by 5736MHz	Probe : VERTICAL/ HORIZONTAL
Power : AC 120V/60Hz	

	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	Antenna Pole (V/H)
1	3847.000	5.975	37.845	43.820	-30.180	74.000	PEAK	V
2	6992.000	16.000	37.411	53.411	-20.589	74.000	PEAK	V
1	3847.500	6.405	41.522	47.927	-26.073	74.000	PEAK	H
2	6907.500	15.095	36.258	51.353	-22.647	74.000	PEAK	H

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor



Site : EMC Lab AC 102	Time : 2013-10-21
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Test mode: Receive by 5762MHz	Probe : VERTICAL/ HORIZONTAL
Power : AC 120V/60Hz	

	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	Antenna Pole (V/H)
1	3847.500	5.975	41.263	47.238	-26.762	74.000	PEAK	V
2	6907.500	15.490	35.526	51.016	-22.984	74.000	PEAK	V
1	3847.500	6.405	40.255	46.660	-27.340	74.000	PEAK	H
2	6907.500	15.095	35.652	50.747	-23.253	74.000	PEAK	H

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor



Site : EMC Lab AC 102	Time : 2013-10-21
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Test mode: Receive by 5814MHz	Probe : VERTICAL/ HORIZONTAL
Power : AC 120V/60Hz	

	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	Antenna Pole (V/H)
1	3847.500	6.405	40.525	46.930	-27.070	74.000	PEAK	V
2	6950.000	15.495	35.842	51.337	-22.663	74.000	PEAK	V
1	3847.500	6.405	42.115	48.520	-25.480	74.000	PEAK	H
2	6992.500	16.105	34.964	51.069	-22.931	74.000	PEAK	H

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor



5. 20dB Bandwidth Measurement Data

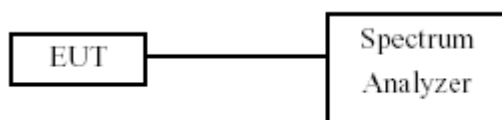
5.1 Test Limit

Frequency hopping systems shall have hopping channel carrier frequencies separated by a minimum of 25 kHz or the 20 dB bandwidth of the hopping channel, whichever is greater. Alternatively, frequency hopping systems operating in the 2400–2483.5 MHz band may have hopping channel carrier frequencies that are separated by 25 kHz or two-thirds of the 20 dB bandwidth of the hopping channel, whichever is greater, provided the systems operate with an output power no greater than 125 mW.

5.2 Test Procedures

- The transmitter output was connected to the spectrum analyzer.
- Set RBW of spectrum analyzer to 100 KHz and VBW to 300 KHz.
- The 20 dB bandwidth is defined as the total spectrum the power of which is higher than peak power minus 20 dB.

5.3 Test Setup Layout



5.4 Measurement equipment

Instrument/Ancillary	Model No.	Manufacturer	Serial No.	Calibration Date	Valid Date
Spectrum Analyzer	FSP40	R&S	100324	2012.03.10	2014.03.09



5.5 Test Result and Data

Test Date: 2013-09-30

Temperature: 25°C

Atmospheric pressure: 1020 hPa

Humidity: 55%

For 2.4GHz Band (Chain 0)

Channel	Frequency (MHz)	20dB Bandwidth (KHz)
Low	2412	15581.00
Mid	2438	15670.00
High	2464	15375.00

For 2.4GHz Band (Chain 1)

Channel	Frequency (MHz)	20dB Bandwidth (KHz)
Low	2412	15581.00
Mid	2438	15617.00
High	2464	15519.00

For 5.8GHz Band (Chain 0)

Channel	Frequency (MHz)	20dB Bandwidth (KHz)
Low	5736	13606.00
Mid	5762	14682.00
High	5814	14387.00

For 5.8GHz Band (Chain 1)

Channel	Frequency (MHz)	20dB Bandwidth (KHz)
Low	5736	13595.00
Mid	5762	13990.00
High	5814	14531.00

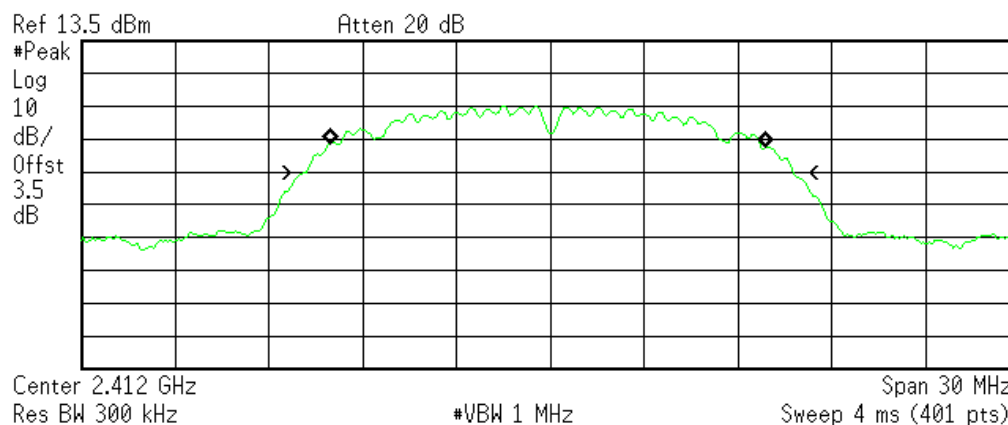


For 2.4GHz Band (Chain 0)

Channel: Low

* Agilent 09:45:08 Sep 30, 2013

R T



Occupied Bandwidth
13.9570 MHz

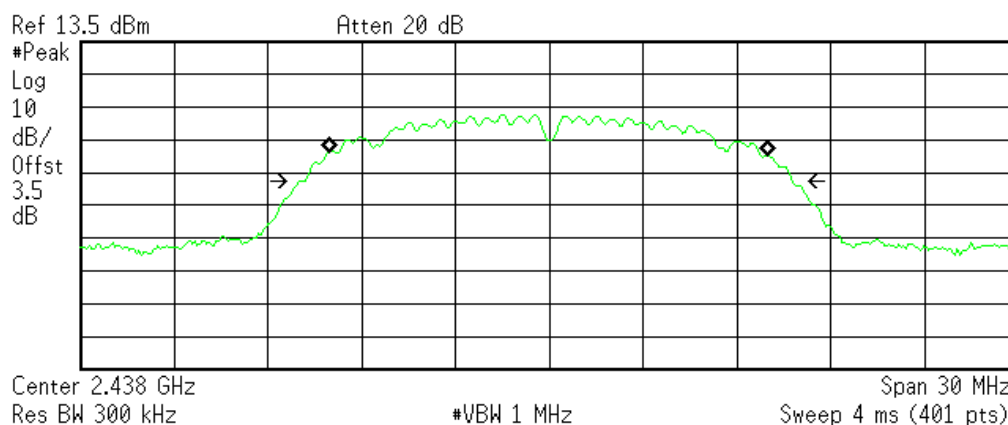
Occ BW % Pwr 99.00 %
x dB -20.00 dB

Transmit Freq Error -44.474 kHz
x dB Bandwidth 15.581 MHz

Channel: Mid

* Agilent 09:47:03 Sep 30, 2013

R T



Occupied Bandwidth
13.9731 MHz

Occ BW % Pwr 99.00 %
x dB -20.00 dB

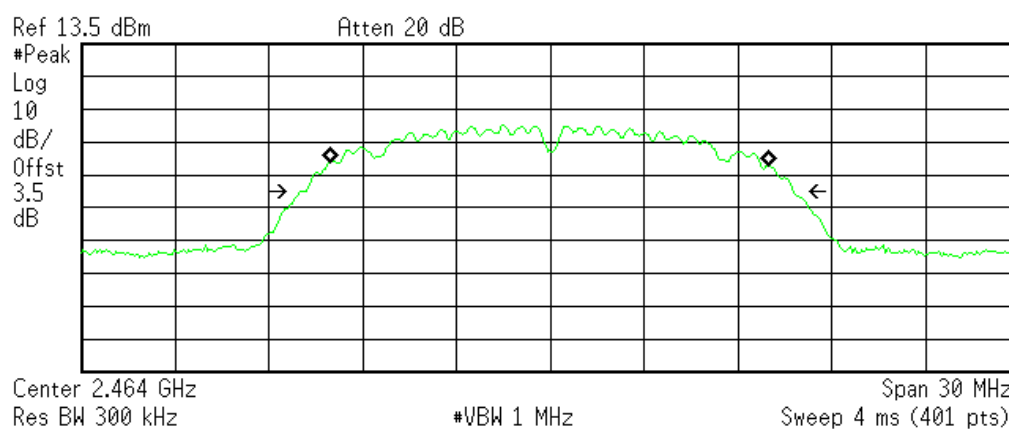
Transmit Freq Error -48.790 kHz
x dB Bandwidth 15.670 MHz



Channel: High

* Agilent 09:48:33 Sep 30, 2013

R T



Occupied Bandwidth
14.0032 MHz

Occ BW % Pwr 99.00 %
x dB -20.00 dB

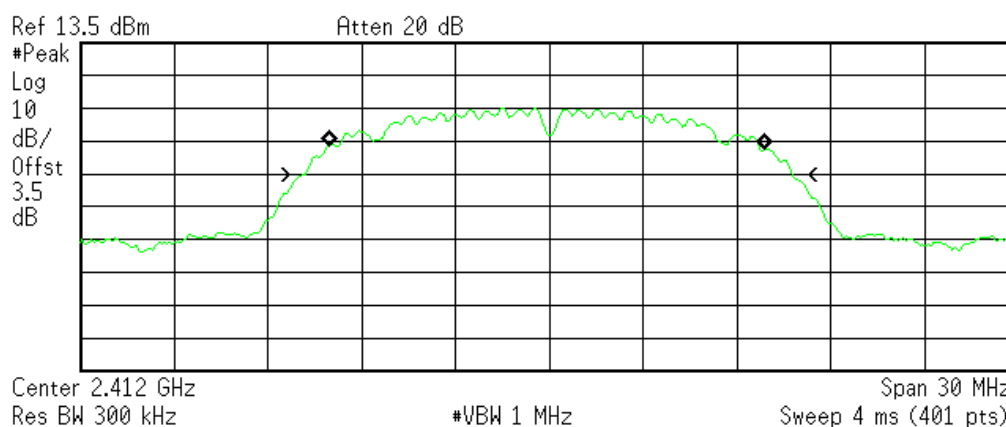
Transmit Freq Error -55.509 kHz
x dB Bandwidth 15.735 MHz

For 2.4GHz Band (Chain 1)

Channel: Low

* Agilent 09:45:08 Sep 30, 2013

R T



Occupied Bandwidth
13.5771 MHz

Occ BW % Pwr 99.00 %
x dB -20.00 dB

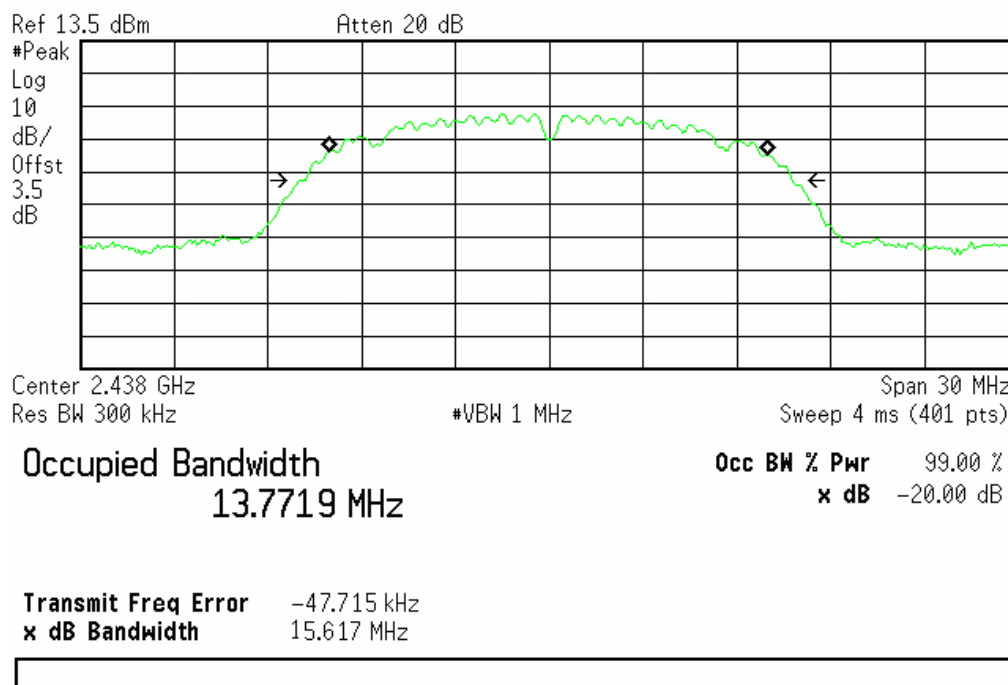
Transmit Freq Error -45.514 kHz
x dB Bandwidth 15.581 MHz



Channel: Mid

Agilent 09:47:03 Sep 30, 2013

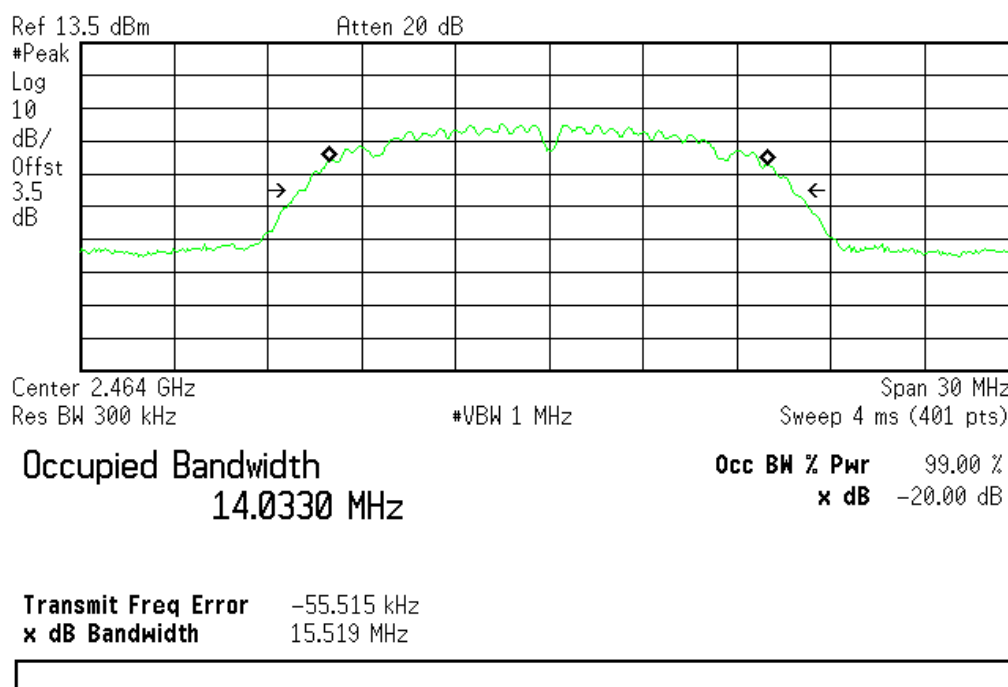
R T



Channel: High

Agilent 09:48:33 Sep 30, 2013

R T



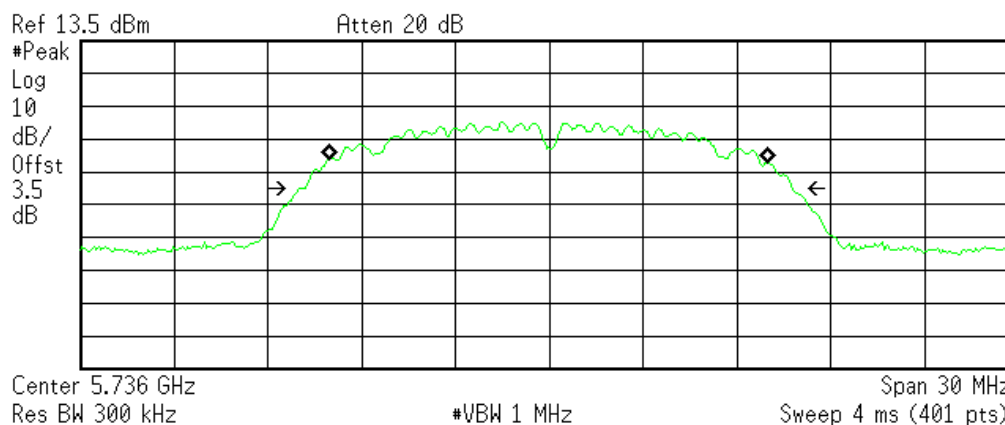


For 5.8GHz Band (Chain 0)

Channel: Low

* Agilent 09:48:33 Sep 30, 2013

R T



Occupied Bandwidth
13.4404 MHz

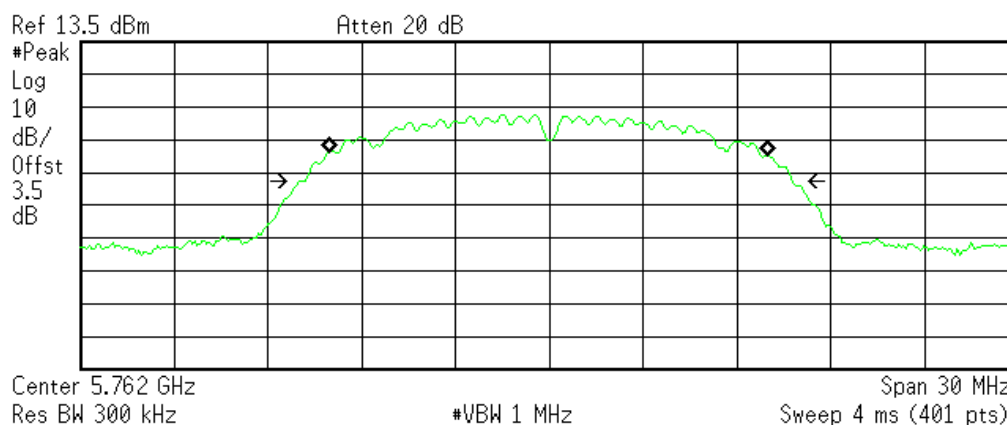
Occ BW % Pwr 99.00 %
x dB -20.00 dB

Transmit Freq Error -54.509 kHz
x dB Bandwidth 13.606 MHz

Channel: Mid

* Agilent 09:47:03 Sep 30, 2013

R T



Occupied Bandwidth
13.3719 MHz

Occ BW % Pwr 99.00 %
x dB -20.00 dB

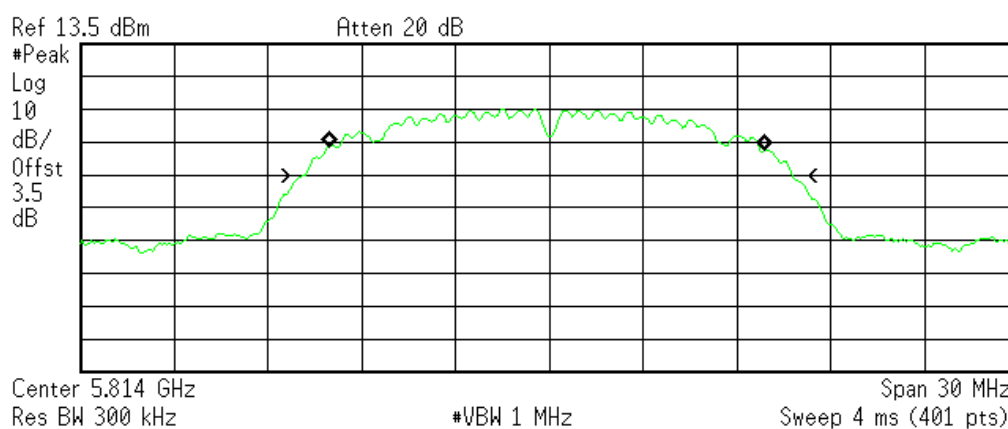
Transmit Freq Error -50.891 kHz
x dB Bandwidth 14.682 MHz



Channel: High

* Agilent 09:45:08 Sep 30, 2013

R T



Occupied Bandwidth
13.5519 MHz

Occ BW % Pwr 99.00 %
x dB -20.00 dB

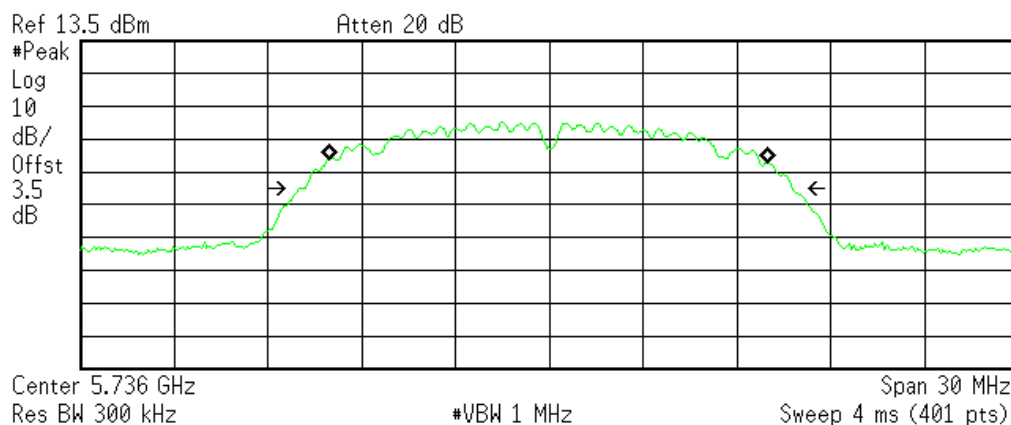
Transmit Freq Error -43.575 kHz
x dB Bandwidth 14.387 MHz

For 5.8GHz Band (Chain 1)

Channel: Low

* Agilent 09:48:33 Sep 30, 2013

R T



Occupied Bandwidth
13.0134 MHz

Occ BW % Pwr 99.00 %
x dB -20.00 dB

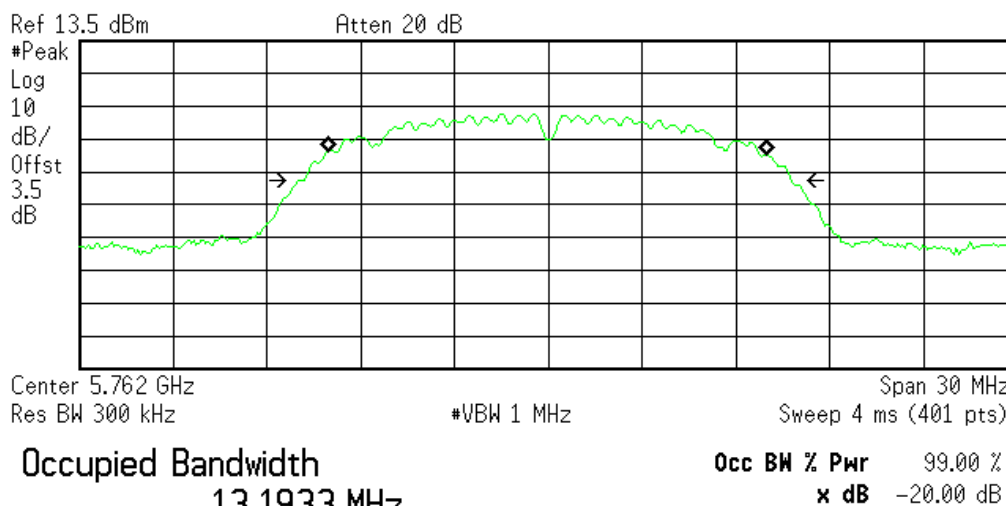
Transmit Freq Error -55.163 kHz
x dB Bandwidth 13.595 MHz



Channel: Mid

Agilent 09:47:03 Sep 30, 2013

R T

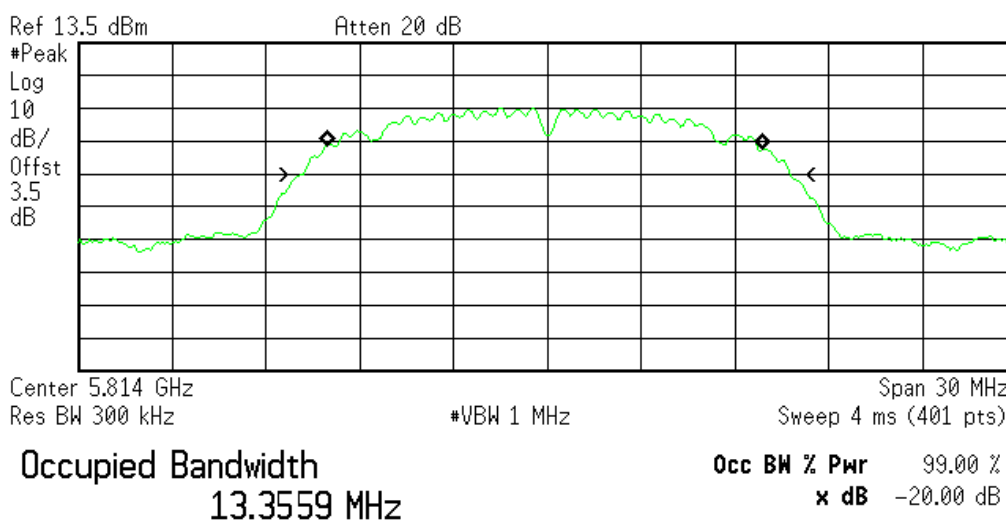


Transmit Freq Error -51.246 kHz
x dB Bandwidth 13.990 MHz

Channel: High

Agilent 09:45:08 Sep 30, 2013

R T



Transmit Freq Error -44.378 kHz
x dB Bandwidth 14.531 MHz



6. 99% Bandwidth

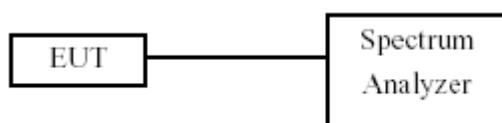
6.1 Test Limit

None; for reporting purposes only.

6.2 Test Procedures

- a. The transmitter output was connected to the spectrum analyzer.
- b. The RBW is set to 1% to 3% of the span, Span greater than RBW.

6.3 Test Setup Layout



6.4 Measurement equipment

Instrument/Ancillary	Model No.	Manufacturer	Serial No.	Calibration Date	Valid Date
Spectrum Analyzer	FSP40	R&S	100324	2012.03.10	2014.03.09



6.5 Test Result and Data

Test Date: 2013-09-30

Temperature: 25°C

Atmospheric pressure: 1020 hPa

Humidity: 55%

For 2.4GHz Band (Chain 0)

Channel	Frequency (MHz)	99% Bandwidth (KHz)
Low	2412	13957.00
Mid	2438	13973.00
High	2464	14003.00

For 2.4GHz Band (Chain 1)

Channel	Frequency (MHz)	99% Bandwidth (KHz)
Low	2412	13577.00
Mid	2438	13771.00
High	2464	14033.00

For 5.8GHz Band (Chain 0)

Channel	Frequency (MHz)	99% Bandwidth (KHz)
Low	5736	13551.00
Mid	5762	13440.00
High	5814	13372.00

For 5.8GHz Band (Chain 1)

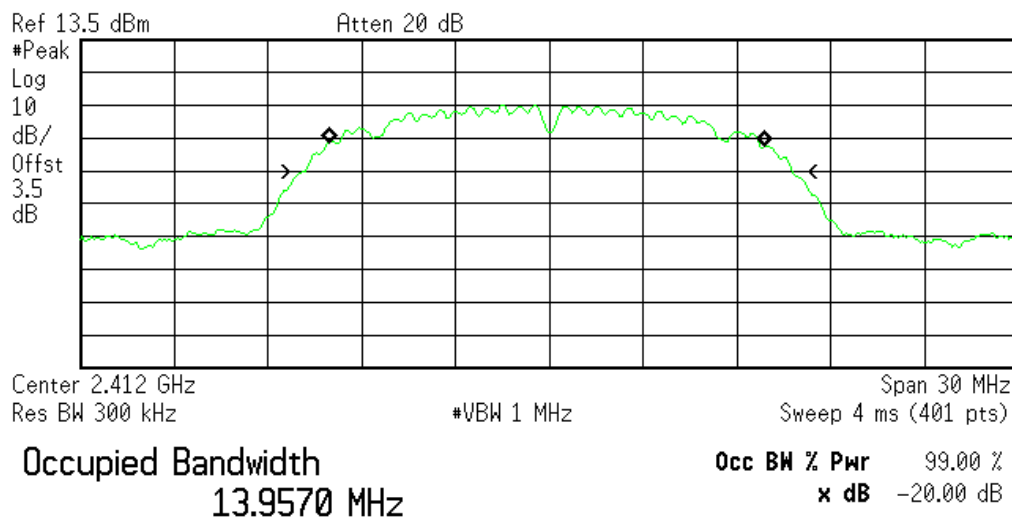
Channel	Frequency (MHz)	99% Bandwidth (KHz)
Low	5736	13356.00
Mid	5762	13013.00
High	5814	13193.00

**Test Plot****For 2.4GHz Band (Chain 0)**

Channel: Low

✱ Agilent 09:45:08 Sep 30, 2013

R T

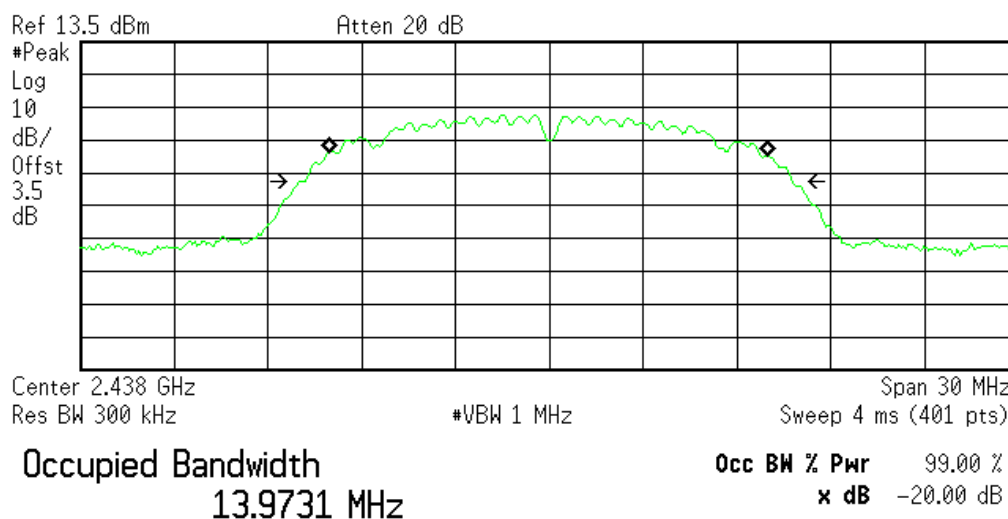


Transmit Freq Error -44.474 kHz
x dB Bandwidth 15.581 MHz

Channel: Mid

✱ Agilent 09:47:03 Sep 30, 2013

R T



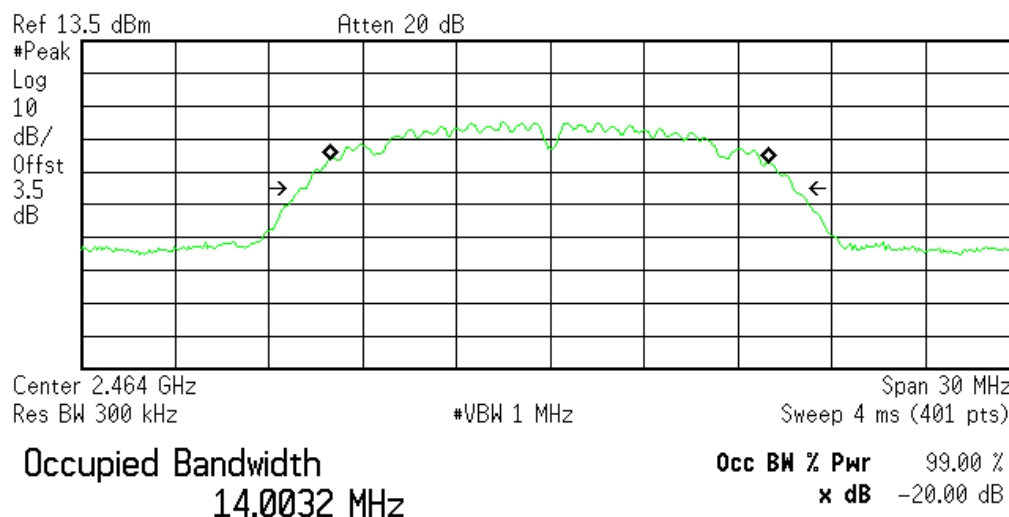
Transmit Freq Error -48.790 kHz
x dB Bandwidth 15.670 MHz



Channel: High

* Agilent 09:48:33 Sep 30, 2013

R T



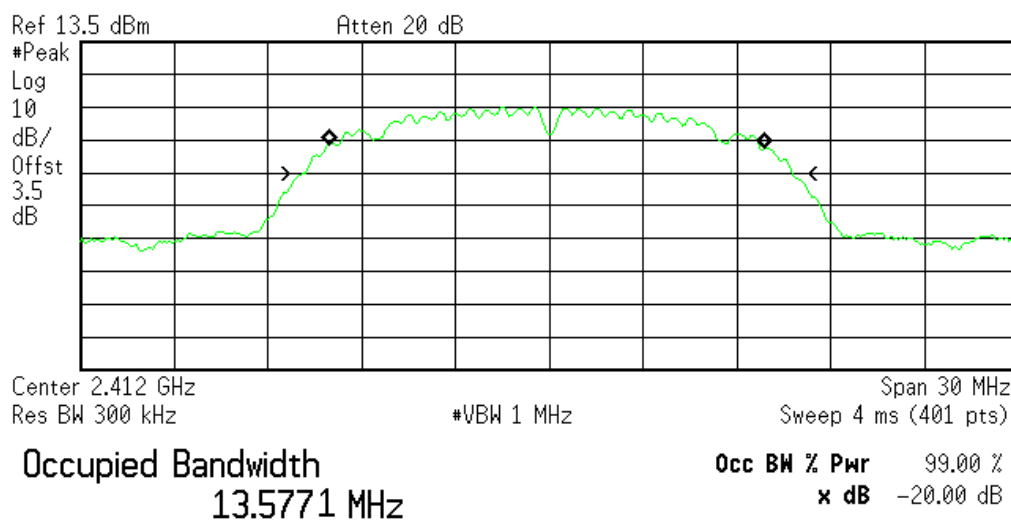
Transmit Freq Error -55.509 kHz
x dB Bandwidth 15.735 MHz

For 2.4GHz Band (Chain 1)

Channel: Low

* Agilent 09:45:08 Sep 30, 2013

R T



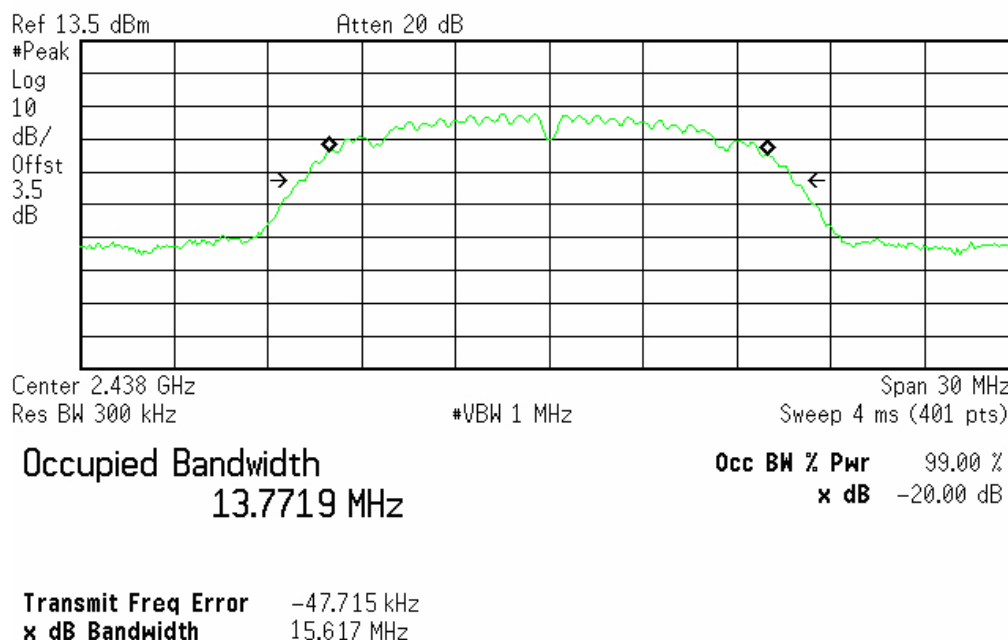
Transmit Freq Error -45.514 kHz
x dB Bandwidth 15.581 MHz



Channel: Mid

Agilent 09:47:03 Sep 30, 2013

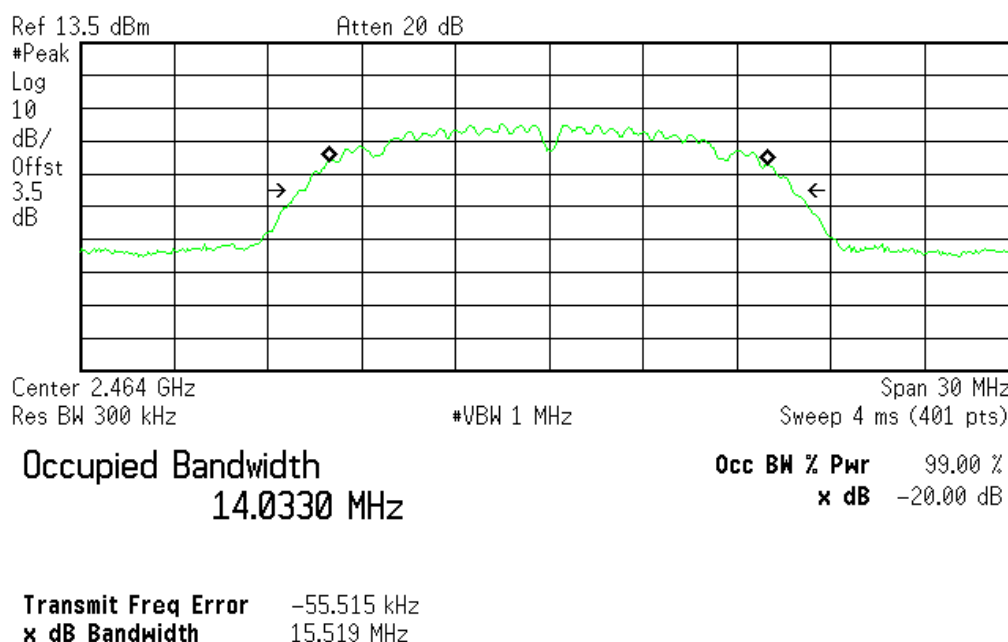
R T



Channel: High

Agilent 09:48:33 Sep 30, 2013

R T

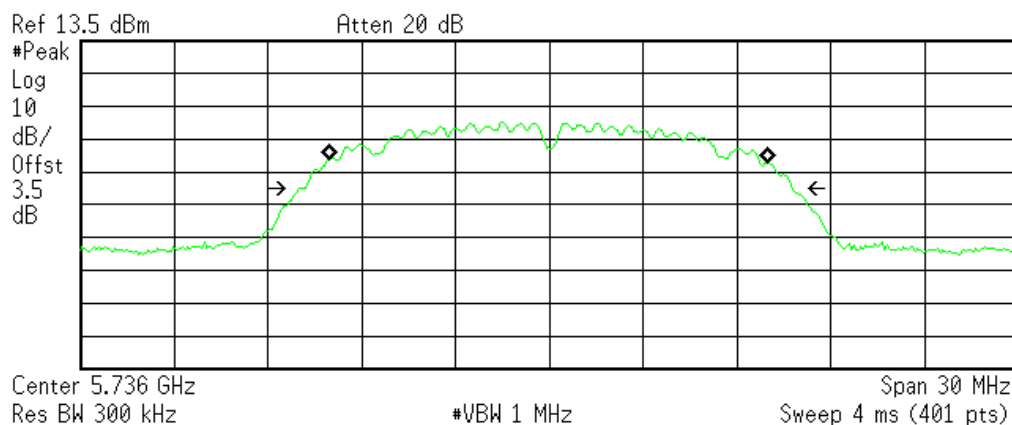


**For 5.8GHz Band (Chain 0)**

Channel: Low

* Agilent 09:48:33 Sep 30, 2013

R T



Occupied Bandwidth
13.4404 MHz

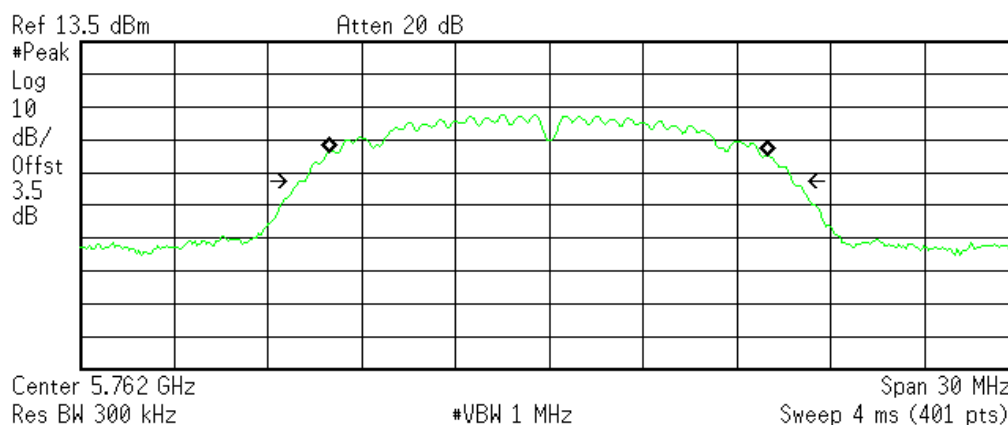
Occ BW % Pwr 99.00 %
x dB -20.00 dB

Transmit Freq Error -54.509 kHz
x dB Bandwidth 13.606 MHz

Channel: Mid

* Agilent 09:47:03 Sep 30, 2013

R T



Occupied Bandwidth
13.3719 MHz

Occ BW % Pwr 99.00 %
x dB -20.00 dB

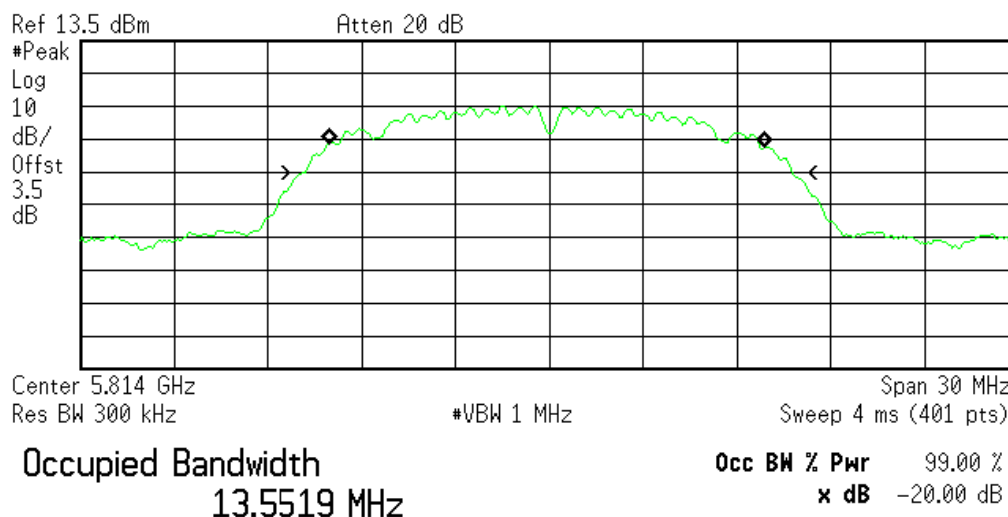
Transmit Freq Error -50.891 kHz
x dB Bandwidth 14.682 MHz



Channel: High

* Agilent 09:45:08 Sep 30, 2013

R T



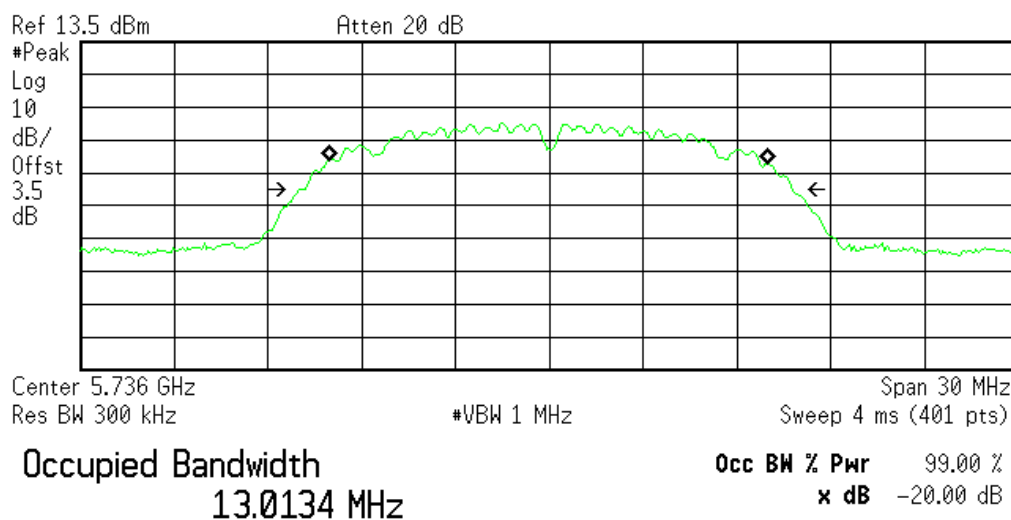
Transmit Freq Error -43.575 kHz
x dB Bandwidth 14.387 MHz

For 5.8GHz Band (Chain 1)

Channel: Low

* Agilent 09:48:33 Sep 30, 2013

R T



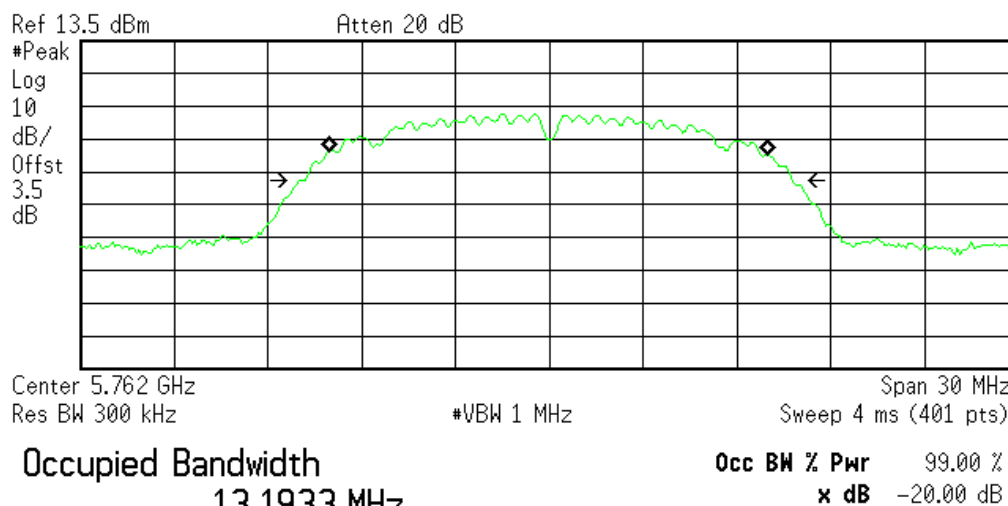
Transmit Freq Error -55.163 kHz
x dB Bandwidth 13.595 MHz



Channel: Mid

Agilent 09:47:03 Sep 30, 2013

R T

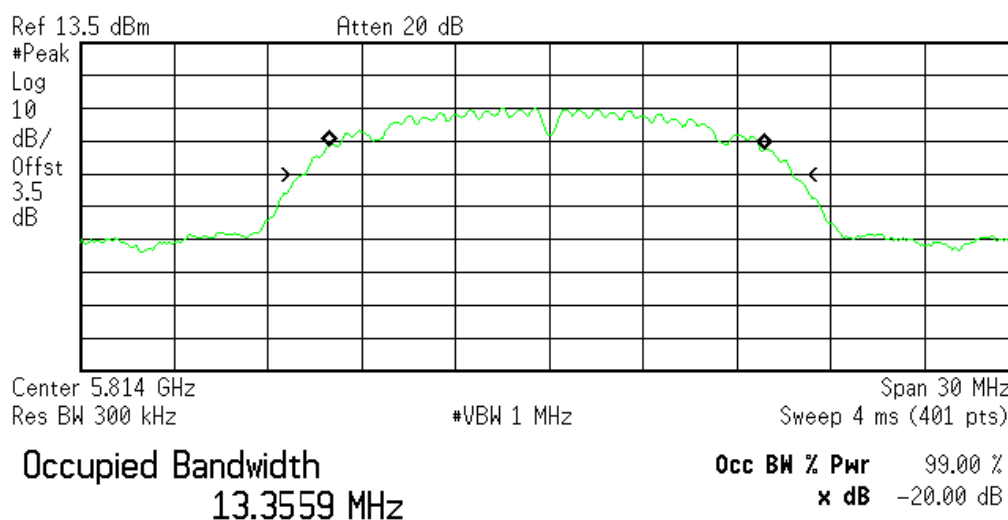


Transmit Freq Error -51.246 kHz
x dB Bandwidth 13.990 MHz

Channel: High

Agilent 09:45:08 Sep 30, 2013

R T



Transmit Freq Error -44.378 kHz
x dB Bandwidth 14.531 MHz



7. Band Edges Measurement

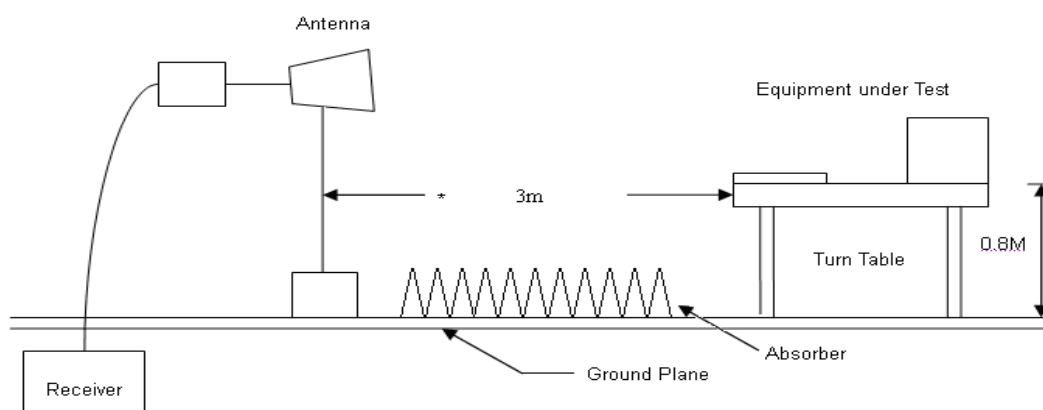
7.1 Test Limit

Below -20dB of the highest emission level of operating band (in 100kHz Resolution Bandwidth).

7.2 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=1MHz / Sweep=AUTO
 - (b) AVERAGE: RBW=1MHz / VBW=510Hz / Sweep=AUTO
5. Repeat the procedures until all the PEAK and AVERAGE versus POLARIZATION are measured.

7.3 Test Setup Layout



7.4 List of Measuring Equipment Used

Instrument	Model No.	Manufacturer	Serial No.	Calibration Date	Valid Date
EMI Test Receiver	ESCI	R&S	101183	2013.03.10	2014.03.09
H64 Amplifier	8447F	HP	3113A05582	2013.03.10	2014.03.09
Preamplifier	8449B	Agilent	3008A02342	2013.03.10	2014.03.09
Ultra Broadband Antenna	HL562	R&S	100363	2013.05.02	2014.05.01
Broad-Band Horn Antenna	BBHA9120D	Schwarzbeck	9120D-619	2013.05.02	2014.05.01
Spectrum Analyzer	FSP40	R&S	100324	2013.03.10	2014.03.09
Temperature/ Humidity Meter	ZC1-11	Zhicheng	CEP-TH-002	2013.03.10	2014.03.09



7.5 Restrict band emission Measurement Data

Test Date : 2013-10-18
Temperature : 23°C
Humidity : 65%
Atmospheric Pressure : 1020 hPa

For 2.4GHz Band (Chain 0)

Fundamental Frequency: 2412 MHz

VERTICAL

No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	2367.900	1.974	41.197	43.171	-30.799	73.970	PEAK
2	2367.900	1.974	26.141	28.115	-25.855	53.970	AVG
3	2389.950	2.005	49.122	51.127	-22.843	73.970	PEAK
4	2389.950	2.005	34.214	36.219	-17.751	53.970	AVG
5	2390.000	2.005	38.393	40.398	-33.572	73.970	PEAK
6	2390.000	2.005	23.011	25.016	-28.954	53.970	AVG

HORIZONTAL

No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	2367.900	1.948	40.373	42.321	-31.649	73.970	PEAK
2	2367.900	1.948	25.002	26.950	-27.020	53.970	AVG
3	2389.950	1.839	47.128	48.967	-25.003	73.970	PEAK
4	2389.950	1.839	31.968	33.807	-20.163	53.970	AVG
5	2390.000	1.839	36.620	38.459	-35.511	73.970	PEAK
6	2390.000	1.839	21.271	23.110	-30.860	53.970	AVG



Fundamental Frequency: 2464 MHz

VERTICAL

No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	2483.500	1.915	35.531	37.446	-36.554	74.000	PEAK
2	2486.000	1.918	48.398	50.316	-23.684	74.000	PEAK

HORIZONTAL

No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	2483.500	2.030	35.767	37.797	-36.173	73.970	PEAK
2	2483.500	2.030	20.473	22.503	-31.467	53.970	AVG
3	2486.000	2.030	47.938	49.968	-24.002	73.970	PEAK
4	2486.000	2.030	34.874	36.904	-17.066	53.970	AVG

**For 2.4GHz Band (Chain 1)**

Fundamental Frequency: 2412 MHz

VERTICAL

No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	2389.000	2.005	48.226	50.231	-23.739	73.970	PEAK
2	2389.000	2.005	33.269	35.274	-18.696	53.970	AVG
3	2390.000	2.005	37.258	39.263	-34.707	73.970	PEAK
4	2390.000	2.005	22.035	24.040	-29.930	53.970	AVG

HORIZONTAL

No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	2389.950	1.839	46.258	48.097	-25.873	73.970	PEAK
2	2389.950	1.839	30.265	32.104	-21.866	53.970	AVG
3	2390.000	1.839	35.224	37.063	-36.907	73.970	PEAK
4	2390.000	1.839	20.265	22.104	-31.866	53.970	AVG

Fundamental Frequency: 2464 MHz

VERTICAL

No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	2483.500	2.030	34.842	36.872	-37.128	74.000	PEAK
2	2483.500	2.030	21.562	23.592	-30.378	53.970	AVG
3	2486.000	2.030	49.315	51.345	-22.655	74.000	PEAK
4	2486.000	2.030	35.052	37.082	-16.888	53.970	AVG

HORIZONTAL

No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	2483.500	1.915	36.126	38.041	-35.959	74.000	PEAK
2	2483.500	1.915	23.560	25.475	-28.495	53.970	AVG
3	2486.000	1.918	49.662	51.580	-22.420	74.000	PEAK
4	2486.000	1.918	35.690	37.608	-16.362	53.970	AVG

**For 5.8GHz Band (Chain 0)**

Fundamental Frequency: 5736 MHz

VERTICAL

No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	5725.000	13.265	40.255	53.520	-20.480	74.000	PEAK
2	5725.000	13.265	28.590	41.855	-12.145	54.000	AVG
3	5736.000	14.352	95.360	109.712	-4.288	114.000	PEAK

HORIZONTAL

No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	5725.000	13.101	38.547	51.648	-22.352	74.000	PEAK
2	5725.000	13.101	29.541	42.642	-11.358	54.000	AVG

Fundamental Frequency: 5814 MHz

VERTICAL

No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	5875.000	14.746	33.260	48.006	-25.994	74.000	PEAK
2	5875.000	14.746	22.485	37.231	-16.769	54.000	AVG

HORIZONTAL

No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	5875.000	14.867	34.026	48.893	-25.107	74.000	PEAK
2	5875.000	14.867	22.118	36.985	-17.015	54.000	AVG

**For 5.8GHz Band (Chain 1)**

Fundamental Frequency: 5736 MHz

VERTICAL

No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	5725.000	13.265	40.120	53.385	-20.615	74.000	PEAK
2	5725.000	13.265	23.254	36.519	-17.481	54.000	AVG

HORIZONTAL

No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	5725.000	13.101	39.547	52.648	-21.352	74.000	PEAK
2	5725.000	13.101	22.554	35.655	-18.345	54.000	AVG

Fundamental Frequency: 5814 MHz

VERTICAL

No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	5875.000	14.746	33.645	48.391	-25.609	74.000	PEAK
2	5875.000	14.746	24.054	38.800	-15.200	54.000	AVG

HORIZONTAL

No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	5875.000	14.867	34.368	49.235	-24.765	74.000	PEAK
2	5875.000	14.867	22.451	37.318	-16.682	54.000	AVG

Notes:

1. Result = Meter Reading + Factor
2. Factor = Antenna Factor + Cable Loss – Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and video bandwidth is 3 MHz for Peak detection at frequency above 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz



8. Restricted Bands of Operation

Only spurious emissions are permitted in any of the frequency bands listed below:

MHz	MHz	MHz	GHz
0.09000 – 0.11000	16.42000 – 16.42300	399.9 – 410.0	4.500 – 5.250
0.49500 – 0.505**	16.69475 – 16.69525	608.0 – 614.0	5.350 – 5.460
2.17350 – 2.19050	16.80425 – 16.80475	960.0 – 1240.0	7.250 – 7.750
4.12500 – 4.12800	25.50000 – 25.67000	1300.0 – 1427.0	8.025 – 8.500
4.17725 – 4.17775	37.50000 – 38.25000	1435.0 – 1626.5	9.000 – 9.200
4.20725 – 4.20775	73.00000 – 74.60000	1645.5 – 1646.5	9.300 – 9.500
6.21500 – 6.21800	74.80000 – 75.20000	1660.0 – 1710.0	10.600 – 12.700
6.26775 – 6.26825	108.00000 – 121.94000	1718.8 – 1722.2	13.250 – 13.400
6.31175 – 6.31225	123.00000 – 138.00000	2200.0 – 2300.0	14.470 – 14.500
8.29100 – 8.29400	149.90000 – 150.05000	2310.0 – 2390.0	15.350 – 16.200
8.36200 – 8.36600	156.52475 – 156.52525	2483.5 – 2500.0	17.700 – 21.400
8.37625 – 8.38675	156.70000 – 156.90000	2655.0 – 2900.0	22.010 – 23.120
8.41425 – 8.41475	162.01250 – 167.17000	3260.0 – 3267.0	23.600 – 24.000
12.29000 – 12.29300	167.72000 – 173.20000	3332.0 – 3339.0	31.200 – 31.800
12.51975 – 12.52025	240.00000 – 285.00000	3345.8 – 3358.0	36.430 – 36.500
12.57675 – 12.57725	322.00000 – 335.40000	3600.0 – 4400.0	Above 38.6
13.36000 – 13.41000			

** : Until February 1, 1999, this restricted band shall be 0.490-0.510 MHz

8.1 Labeling Requirement

The device shall bear the following statement in a conspicuous location on the device:

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.