



FCC TEST REPORT

according to

FCC Rules and Regulations Part 15 Subpart C

Applicant	:	Partner Tech Corp.
Address	:	10FL, 233-2, Baoqiao Road, Xindian, New Taipei City, Taiwan
Equipment	:	Handheld Terminal
Model No.	:	MF-2351
FCC ID	:	NDPMF2351
Trade Name	:	Partner

- 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 EUT is also considered as a kind of computer peripheral, because the connection to computer is necessary for typical use. It has been verified to comply with the requirements of FCC Part 15, Subpart B, Class B (DoC). The test report has been issued separately.



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CERTIFICATE OF COMPLIANCE

according to

FCC Rules and Regulations Part 15 Subpart C

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Address : 10FL, 233-2, Baoqiao Road, Xindian,
New Taipei City, Taiwan
Equipment : Handheld Terminal
Model No. : MF-2351
FCC ID : NDPMF2351

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)**.

The test was carried out on Feb. 27, 2013 at **CerpPASS Technology Corp.**

Approved by:

Tested by:

Hill Chen
EMC/RF B.U. Assistant Manager

Tom Tai
Engineer



1. Report of Measurements and Examinations

1.1 List of Measurements and Examinations

FCC Rule	Description of Test	Result
15.207	. Conducted Emission	Pass
15.225(d)	. Radiated Emission	Pass
15.225(a)	. Peak Power Output	Pass
15.225(e)	. Frequency Stability	Pass



2. Test Configuration of Equipment under Test

2.1 Feature of Equipment under Test

Basic configuration	
Processor	TI Cortex A8 AM3715, 1GHz
Operating	WinCe6.0
Memory	DDR2, 2GB(256M), NAND Flash, 4GB(512M)
Flash	3.5inch 240 x 320 Pixels / 262000 Color
Display	Support touch and stylus input
Key	Alpha & numeric Keys (Total 20 Hardware keys)
Magnetic Card	Triple Track (track 1, 2 & 3)
IC Card Reader	EMV/PBOC2.0 L1&L2; ISO 7816
SAM Card	2
Expansion Card	Mini SD Card Slot
USB	1 USB (OTG)
RS232	1 RS232
Printer	High Speed, High resolution, thermal printer (Dimension 30mm, Width 58mm)
Audio	speaker (mono) x 1, microphone x 1
Vibration	Support
Battery	Rechargeable Battery: DC7.4V/2000mAh
Power	Power Adapter: Output Voltage DC 9V/3A, Input Voltage 100~240V, 50/60Hz 1. ADAPTER \ ATSO30-A090 2.ULLPOWER \ CGSW-0903000
Communication interface(built-in)	1 SIM Slot
Secure	Processor MAXQ1850
Performance	Operating System VOS
Physical Specification	Dimension (mm): 208(L) x 85.5(W) x 53(D) mm Weight: 500g
Optional Configuration	
Communication	WCDMA, Bluetooth V2.1+EDR, WIFI 802.11b/g, GPS, GPRS
Camera	3.1M Pixel
Contactless reader	ISO 14443 A/B/NFC, Contactless EMV
Bar Code	1D or 2D
Scanner Fingerprint	



2.2 Test Manner


- a. During testing, the interface cables and equipment positions were varied according to ANSI C63.4.
- b. The complete test system included EUT for RF test.
- c. An executive program, "TICON" under WIN CE was executed to transmit and receive data through WLAN.
- d. The result of the test as follow:
Test Mode 1. RFID, Adapter: ADAPTER \ ATS030-A090
Test Mode 2. RFID, Adapter: ULLPOWER \ CGSW-0903000
caused "Test Mode 2" generated the worst case, it was reported as final report.

2.3 Description of Test System

The EUT was tested alone. No support devices is needed for testing.



2.4 General Information of Test

Test Site :	CerpPASS Technology Corp. 2F-11, No. 3, Yuan Qu St., (Nankang Software Park), Taipei, Taiwan 115, R.O.C.
Test Site Location (OATS2-SD) :	No.68-1, Shihbachongsi, Shihding Township, Taipei City 223, Taiwan, R.O.C.
FCC Registration Number:	TW1049, TW1061, 390316, 488071
IC Registration Number :	4934B-1, 4934D-1
VCCI Registration Number:	T-1173 for Telecommunication Test C-4139 for Conducted emission test R-3428 for Radiated emission test G-97 for Radiated emission test above 1GHz
Test in Compliance with:	ANSI C63.4-2009 FCC Part 15 Subpart C
Frequency Range Investigated:	Conducted: from 150kHz to 30 MHz Radiation: from 30 MHz to 1,000MHz
Test Distance:	The test distance of radiated emission from antenna to EUT is 30 M.
Laboratory Accreditation	

2.5 Measurement Uncertainty

Measurement Item	Measurement Frequency	Polarization	Uncertainty
Conducted Emission	9 kHz ~ 30 MHz	LINE/NEUTRAL	2.71 dB
Radiated Emission	30 MHz ~ 1GHz	Vertical	4.11 dB
		Horizontal	4.10 dB
6 dB Bandwidth	---	---	7500 Hz
Maximum Peak Output Power	---	---	1.4 dB
100kHz Bandwidth of Frequency 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 C63.4-2003 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

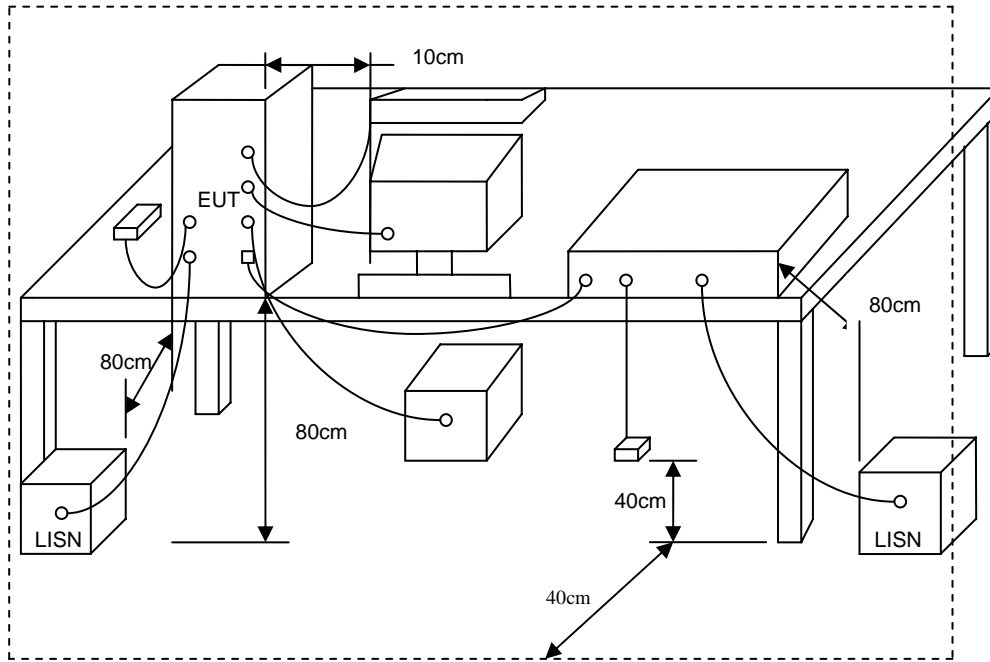
*Decreases with the logarithm of the frequency.

3.2 Test Procedures

- a. 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.
- b. Connect EUT to the power mains through a line impedance stabilization network (LISN).
- c. All the support units are connecting to the other LISN.
- d. The LISN provides 50 ohm coupling impedance for the measuring instrument.
- e. The FCC states that a 50 ohm, 50 micro-Henry LISN should be used.
- f. Both sides of AC line were checked for maximum conducted interference.
- g. The frequency range from 150 kHz to 30 MHz was searched.
- h. Set the test-receiver system to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.



3.3 Typical Test Setup



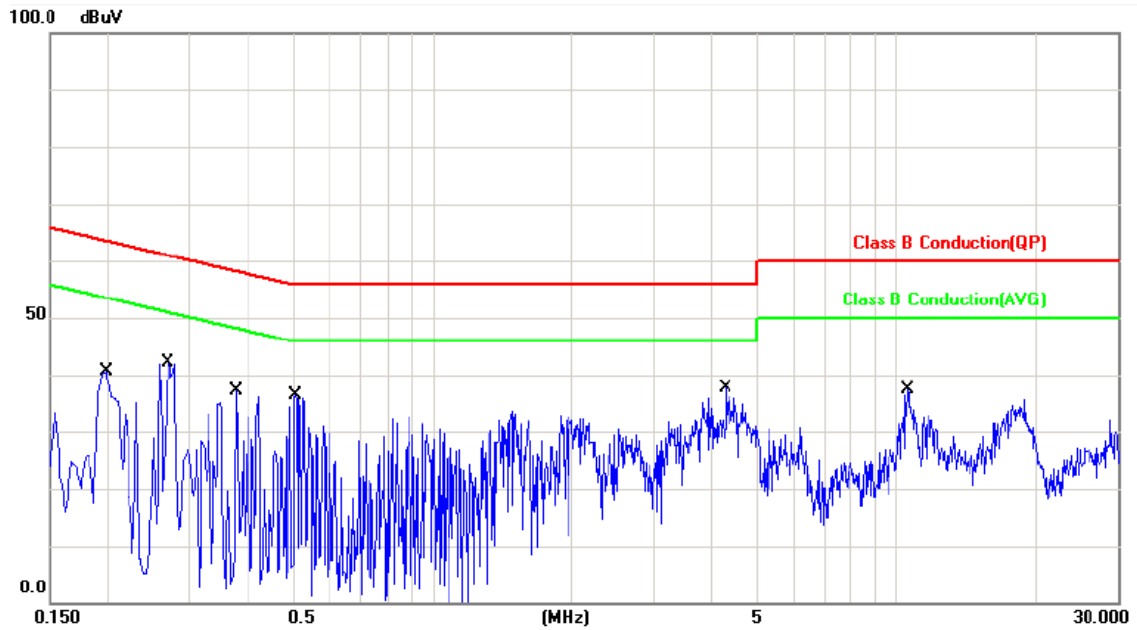
3.4 Measurement equipment

Instrument/Ancillary	Manufacturer	Model No.	Serial No.	Calibration Date	Valid Date.
EMI Receiver	R&S	ESCI	100821	2012/12/24	2013/12/23
LISN	Schwarzbeck	NSLK 8127	8127-516	2012/03/08	2013/03/07
LISN	Schwarzbeck	NSLK 8127	8127-568	2012/08/22	2013/08/21



3.5 Test Result and Data

Power	: AC 120V	Pol/Phase	: LINE
Test Mode 2	: RFID	Temperature	: 25 °C
Test Date	: Feb. 27, 2013	Humidity	: 65 %

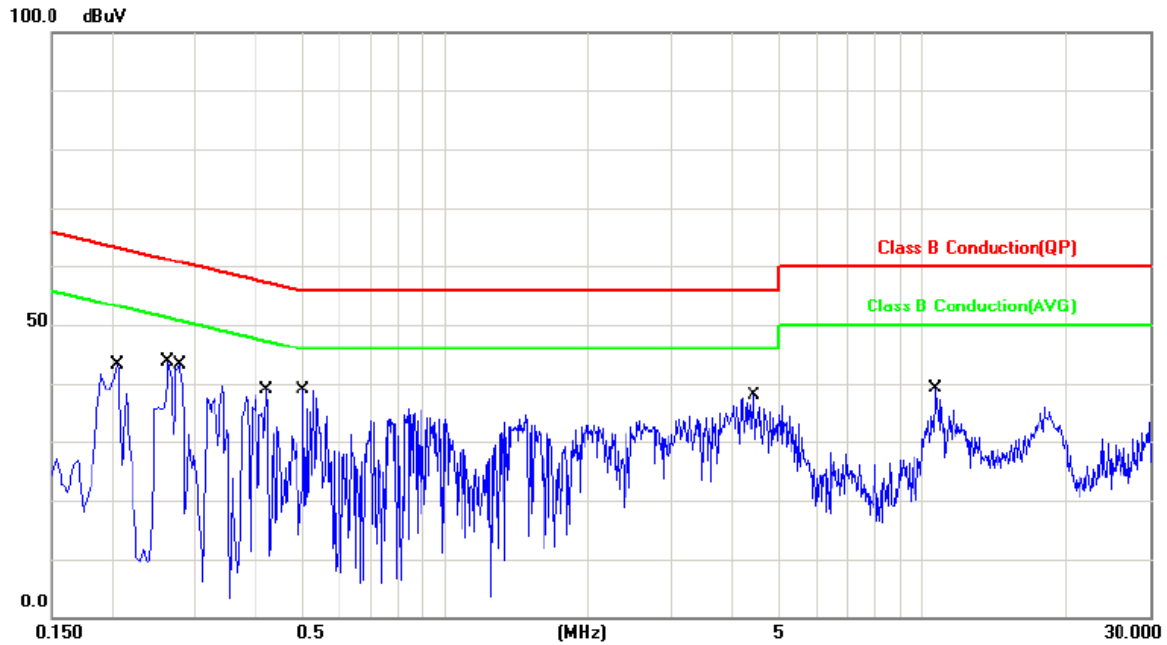


No.	Frequency (MHz)	Factor (dBuV)	Reading (dBuV)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F
1	0.1980	0.12	44.84	44.96	63.69	-18.73	QP	P
2	0.1980	0.12	33.16	33.28	53.69	-20.41	AVG	P
3	0.2700	0.12	41.48	41.60	61.12	-19.52	QP	P
4	0.2700	0.12	30.72	30.84	51.12	-20.28	AVG	P
5	0.3780	0.13	34.53	34.66	58.32	-23.66	QP	P
6	0.3780	0.13	18.23	18.36	48.32	-29.96	AVG	P
7	0.5100	0.14	35.77	35.91	56.00	-20.09	QP	P
8	0.5100	0.14	21.12	21.26	46.00	-24.74	AVG	P
9	4.3100	0.45	32.69	33.14	56.00	-22.86	QP	P
10	4.3100	0.45	23.28	23.73	46.00	-22.27	AVG	P
11	10.5980	0.69	30.74	31.43	60.00	-28.57	QP	P
12	10.5980	0.69	20.36	21.05	50.00	-28.95	AVG	P

Note: Level = Reading + Factor
Margin = Level – Limit



Power	: AC 110V	Pol/Phase	: NEUTRAL
Test Mode 2	: RFID	Temperature	: 25 °C
Test Date	: Feb. 27, 2013	Humidity	: 65 %



No.	Frequency (MHz)	Factor (dBuV)	Reading (dBuV)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F
1	0.2060	0.12	44.36	44.48	63.36	-18.88	QP	P
2	0.2060	0.12	33.56	33.68	53.36	-19.68	AVG	P
3	0.2620	0.12	43.29	43.41	61.36	-17.95	QP	P
4	0.2620	0.12	33.21	33.33	51.36	-18.03	AVG	P
5	0.2779	0.12	43.11	43.23	60.88	-17.65	QP	P
6	0.2779	0.12	31.15	31.27	50.88	-19.61	AVG	P
7	0.4220	0.14	38.34	38.48	57.41	-18.93	QP	P
8	0.4220	0.14	22.37	22.51	47.41	-24.90	AVG	P
9	0.5060	0.14	37.39	37.53	56.00	-18.47	QP	P
10	0.5060	0.14	22.45	22.59	46.00	-23.41	AVG	P
11	4.4420	0.40	34.56	34.96	56.00	-21.04	QP	P
12	4.4420	0.40	27.47	27.87	46.00	-18.13	AVG	P
13	10.6980	0.65	33.59	34.24	60.00	-25.76	QP	P
14	10.6980	0.65	23.33	23.98	50.00	-26.02	AVG	P

Note: Level = Reading + Factor
Margin = Level - Limit



4. Test of Radiated Emission

4.1 Test Limit

Radiated emissions from 13.553 MHz to 13.567 MHz were measured according to the 15.225(a), the field strength of any emissions within the band 13.553 – 13.567 MHz shall not exceed 15,848 microvolts/meter at 30 meters.

The field strength of any emissions which appear outside of the 13.110 – 14.010 MHz band shall not exceed the general radiated emission limits in Section 15.209.

Frequency (MHz)	Distance Meters	Radiated (μ V / M)	Radiated (dB μ V / M)
13.553-13.567	30	15848	84.0
13.410-13.553 13.567-13.710	30	334	50.5
13.110-13.410 13.710-14.010	30	106	40.5

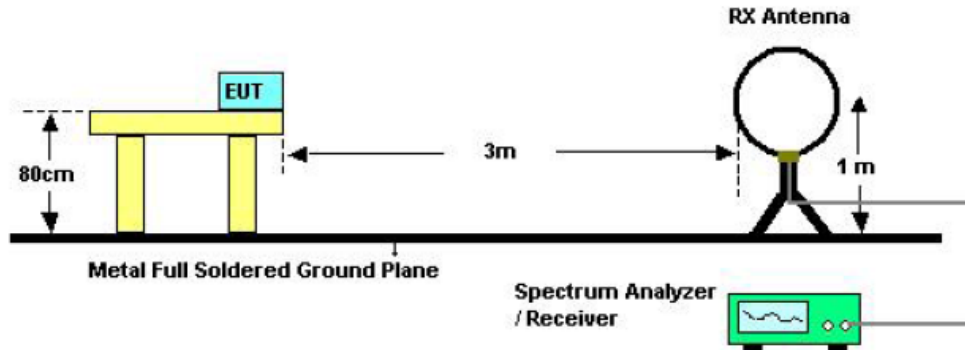
Frequency (MHz)	Distance Meters	Radiated (μ V / M)	Radiated (dB μ V / M)
1.705 to 30	30	30	29.5
30-88	3	100	40.0
88-216	3	150	43.5
216-960	3	200	46.0
Above 960	3	500	54.0

4.2 Test Procedures

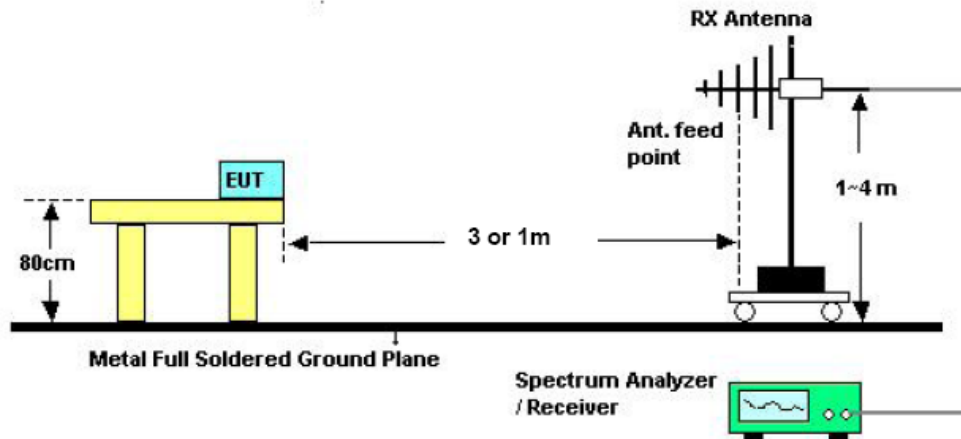
- The EUT was placed on a rotatable table top 0.8 meter above ground.
- The EUT was set 30 meters from the interference receiving antenna which was mounted on the top of a variable height antenna tower.
- The table was rotated 360 degrees to determine the position of the highest radiation.
- The antenna 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.
- 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.
- Set the test-receiver system to Peak or CISPR quasi-peak Detect Function and specified bandwidth with Maximum Hold Mode.
- 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.
- 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

For radiated emissions below 30MHz



For radiated emissions above 30MHz



Above 10 GHz shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade from 3m to 1m.

Distance extrapolation factor = $20 \log (\text{specific distance [3m]} / \text{test distance [1m]})$ (dB);

Limit line = specific limits (dBUV) + distance extrapolation factor [9.54 dB].

4.4 Measurement equipment

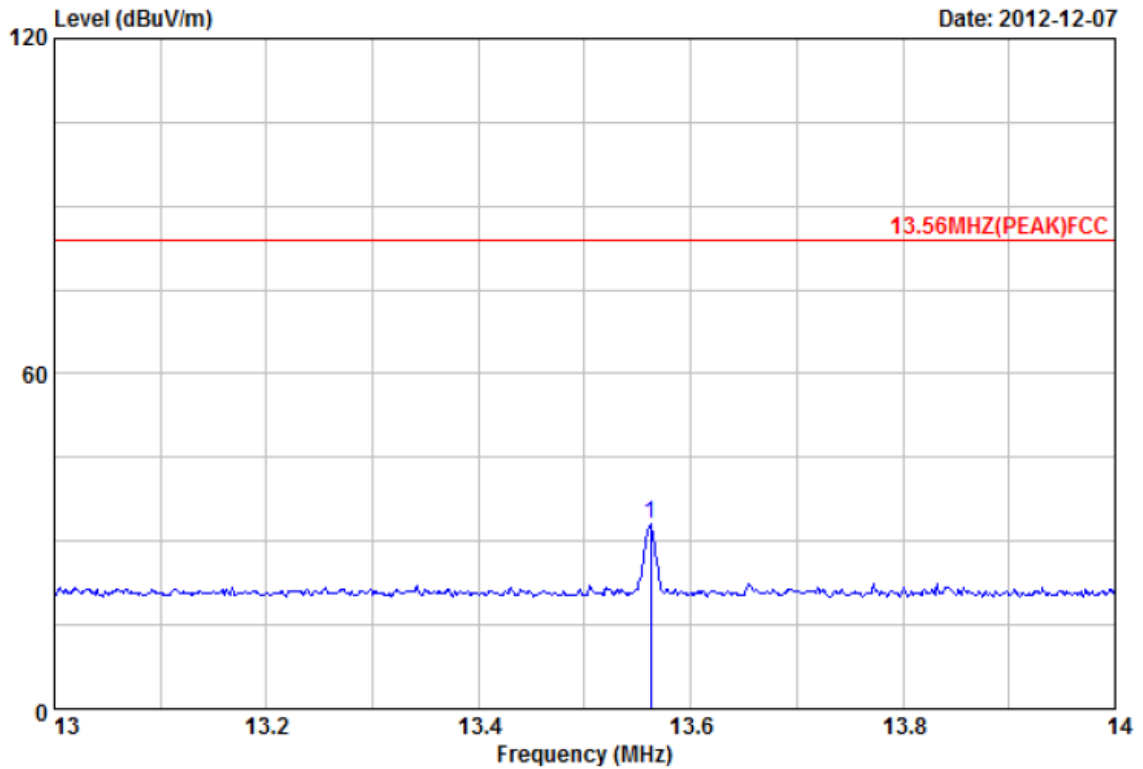
Instrument/Ancillary	Manufacturer	Model No.	Serial No.	Calibration Date	Valid Date
Amplifier	Agilent	8447D	2944A10531	2012/10/17	2013/10/16
Bilog Antenna	Schaffner	CBL6112B	2840	2012/03/23	2013/03/22
EMI Receiver	R&S	ESCI	101200	2012/07/31	2013/07/30
SPECTRUM ANALYZER	R&S	FSP40	100219	2012/09/13	2013/09/12
HORN ANTENNA	EMCO	3115	31601	2012/09/13	2013/09/12
PREAMPLIFIER	EMC	EMC012635	980029	2012/09/12	2013/09/11
Preamplifier	Agilent	8449B	3008A01954	2012/02/29	2013/02/28
Loop Antenna	EMCO	6507	40855	N/A	N/A



4.5 Test Result and Data

4.5.1 Test Result of Fundamental Emission

Power	: AC 120V	Pol/Phase	: VERTICAL
Test Mode 2	: Transmit / Receive	Temperature	: 23 °C
Atmospheric Pressure	: 1022 hPa	Humidity	: 60 %



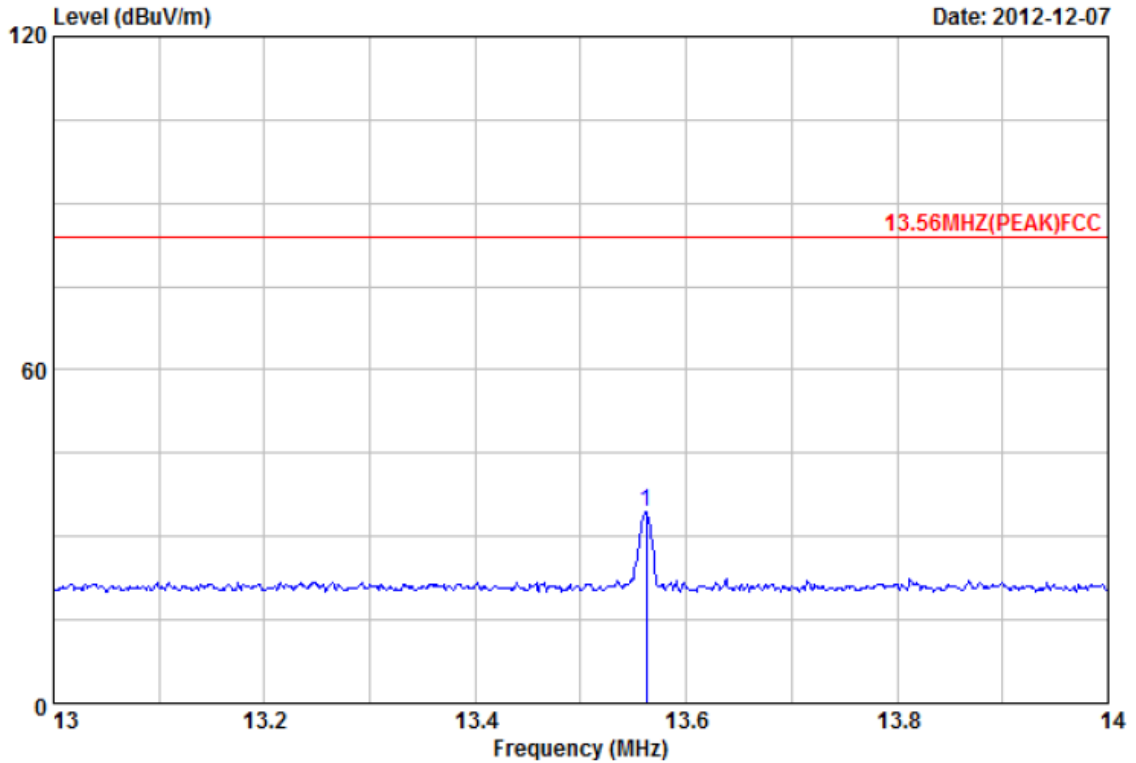
Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		cm	Deg
1	13.56	34.98	-1.94	33.04	84.00	-50.96	Peak	100	360

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor - Distance Correction(30m to 3m) + Cable Loss
3. The resolution bandwidth of test receiver/spectrum analyzer is 9KHz and video bandwidth is 120kHz for Peak detection at frequency below 30MHz.
4. The data is worse case.



Power	: AC 120V	Pol/Phase	: HORIZONTAL
Test Mode 2	: Transmit / Receive	Temperature	: 23 °C
Atmospheric Pressure	: 1022 hPa	Humidity	: 60 %



Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		cm	Deg
1	13.56	36.52	-1.94	34.58	84.00	-49.42	Peak	100	0

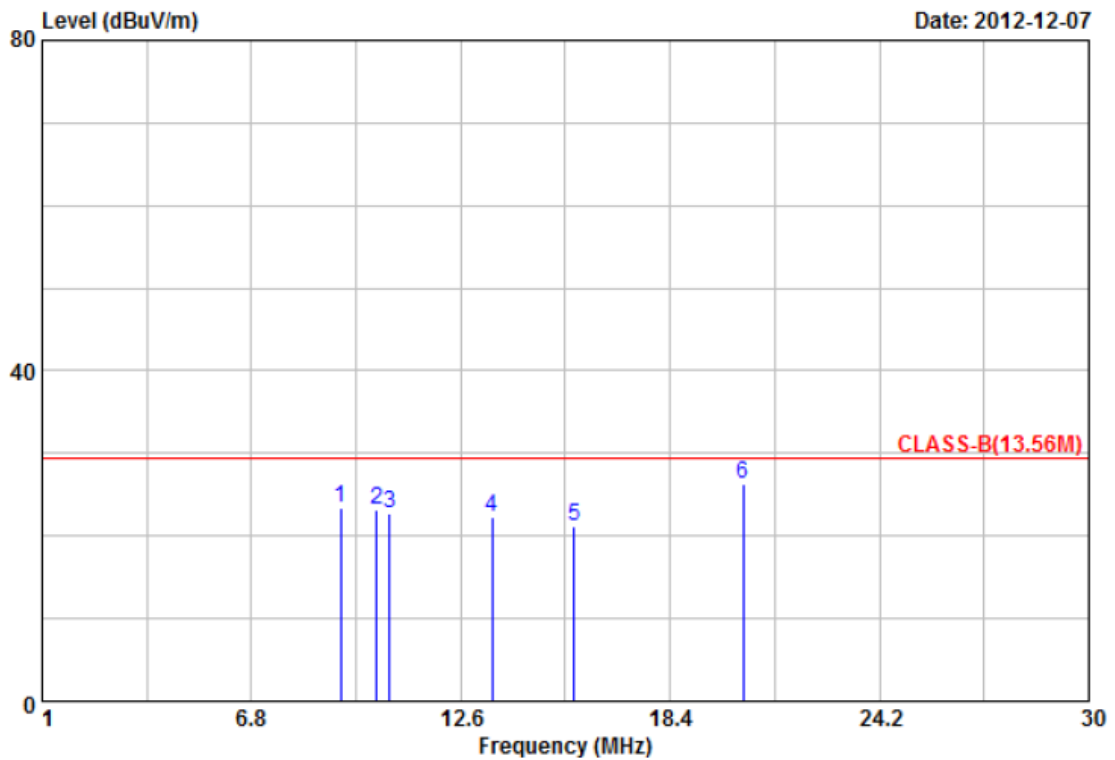
Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor - Distance Correction(30m to 3m) + Cable Loss
3. The resolution bandwidth of test receiver/spectrum analyzer is 9KHz and video bandwidth is 120kHz for Peak detection at frequency below 30MHz.
4. The data is worse case.



4.5.2 Test Result of Spurious emission

Power	: AC 120V	Pol/Phase	: VERTICAL
Test Mode 2	: Transmit / Receive	Temperature	: 23 °C
Atmospheric Pressure	: 1022 hPa	Humidity	: 60 %



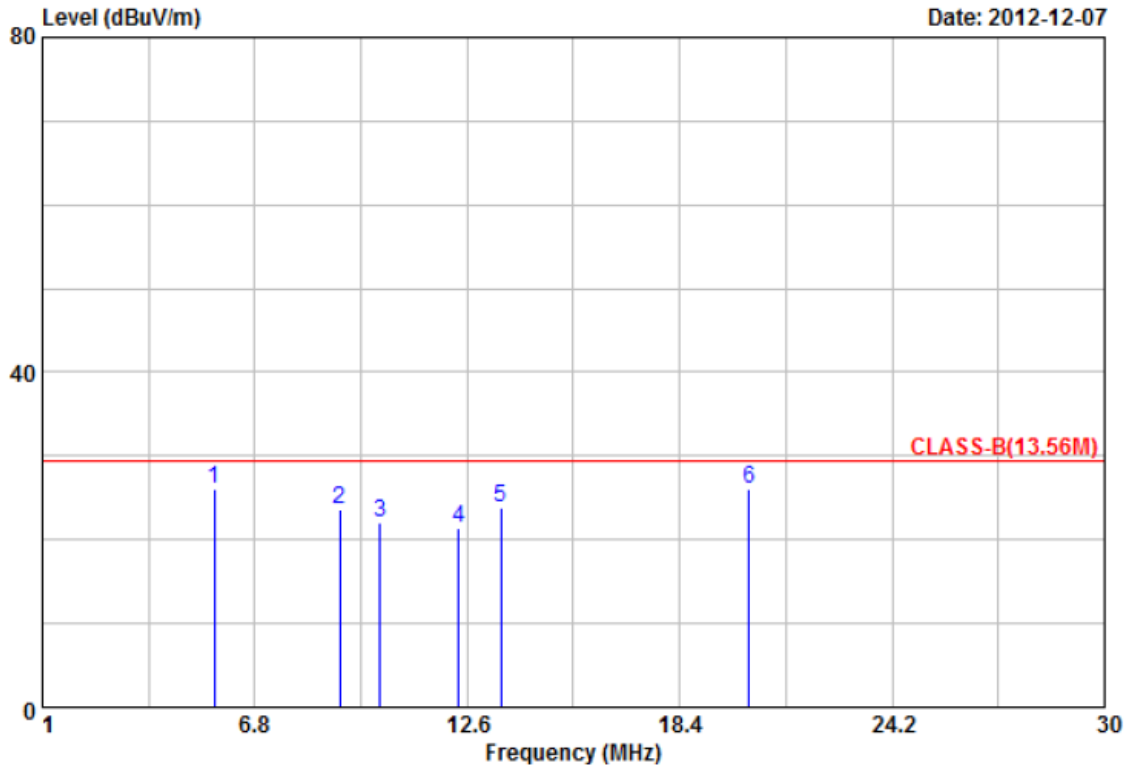
Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		cm	Deg
1	9.26	25.04	-1.73	23.31	29.50	-6.19	Peak	100	0
2	10.28	24.98	-1.81	23.17	29.50	-6.33	Peak	100	0
3	10.63	24.67	-1.83	22.84	29.50	-6.66	Peak	100	0
4	13.47	24.30	-1.94	22.36	29.50	-7.14	Peak	100	0
5	15.73	23.08	-2.01	21.07	29.50	-8.43	Peak	100	0
6	20.43	28.36	-2.13	26.23	29.50	-3.27	Peak	100	0

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor - Distance Correction(30m to 3m) + Cable Loss
3. The resolution bandwidth of test receiver/spectrum analyzer is 9KHz and video bandwidth is 120kHz for Peak detection at frequency below 30MHz.
4. The data is worse case.



Power	: AC 120V	Pol/Phase	: HORIZONTAL
Test Mode 2	: Transmit / Receive	Temperature	: 23 °C
Atmospheric Pressure	: 1022 hPa	Humidity	: 60 %



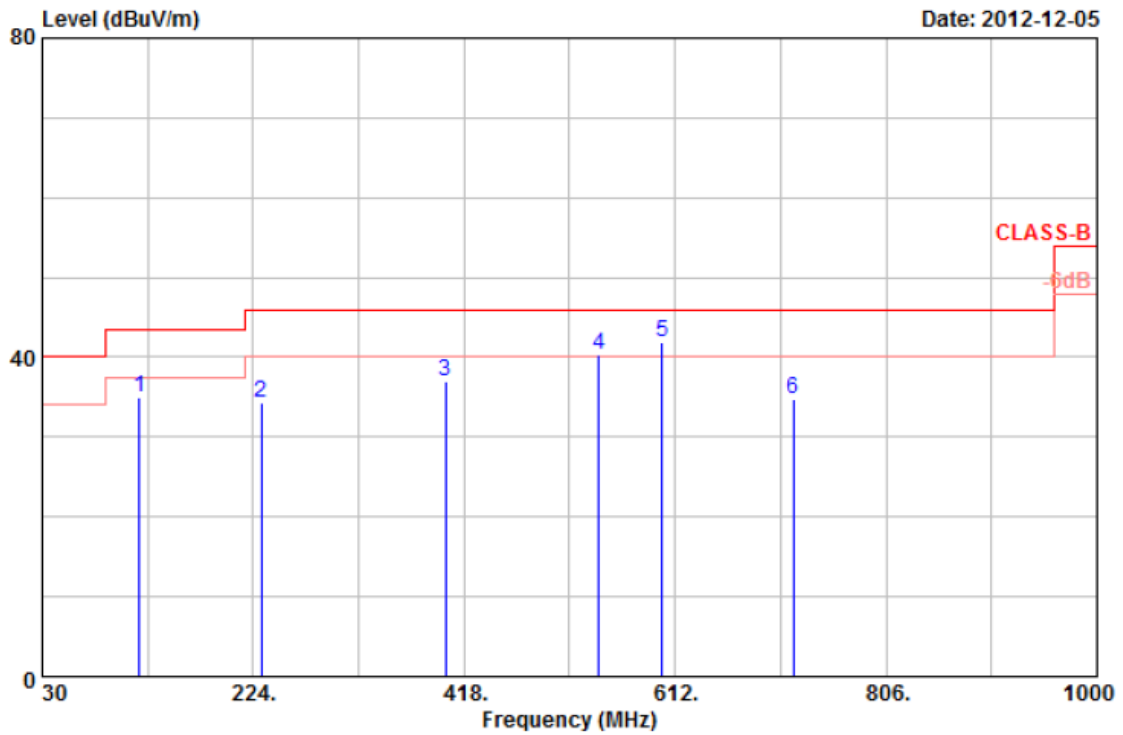
Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		cm	Deg
1	5.70	27.35	-1.37	25.98	29.50	-3.52	Peak	100	0
2	9.12	25.40	-1.71	23.69	29.50	-5.81	Peak	100	0
3	10.22	23.88	-1.81	22.07	29.50	-7.43	Peak	100	0
4	12.37	23.29	-1.89	21.40	29.50	-8.10	Peak	100	0
5	13.53	25.84	-1.94	23.90	29.50	-5.60	Peak	100	0
6	20.29	28.30	-2.12	26.18	29.50	-3.32	Peak	100	0

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor - Distance Correction(30m to 3m) + Cable Loss
3. The resolution bandwidth of test receiver/spectrum analyzer is 9KHz and video bandwidth is 120kHz for Peak detection at frequency below 30MHz.
4. The data is worse case.



Power	: AC 120V	Pol/Phase	: VERTICAL
Test Mode 2	: Transmit / Receive	Temperature	: 23 °C
Atmospheric Pressure	: 1022 hPa	Humidity	: 60 %



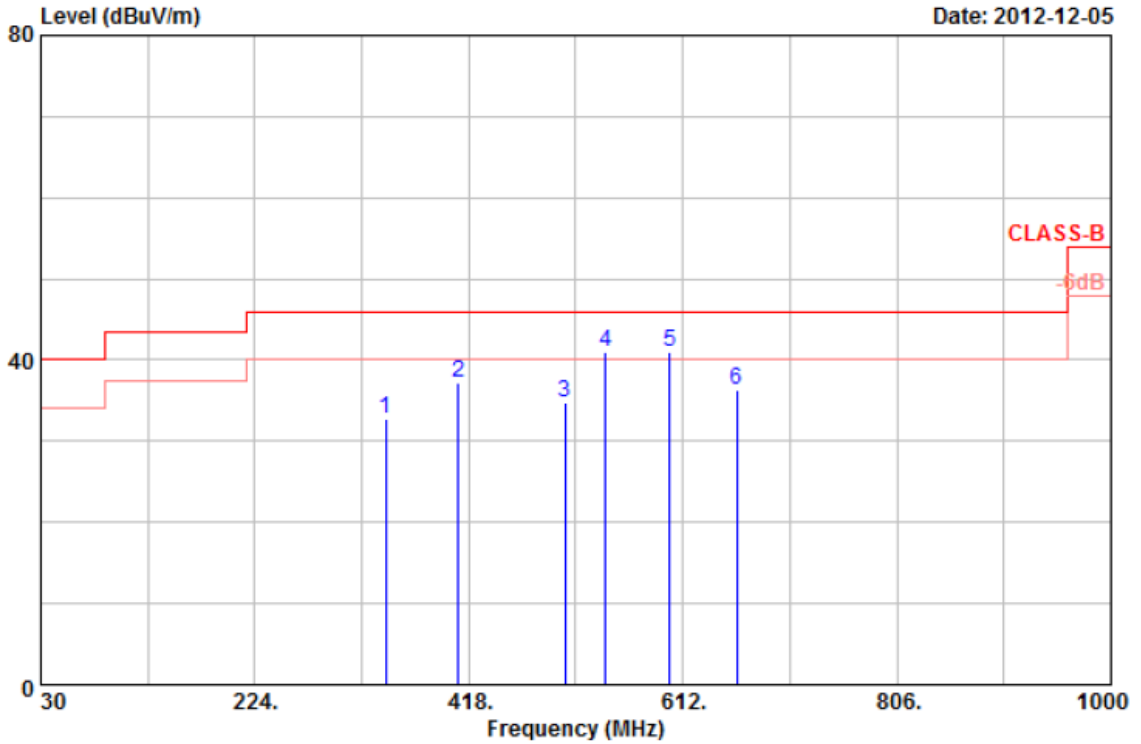
Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		cm	Deg
1	119.24	39.86	-4.98	34.88	43.50	-8.62	Peak	100	360
2	231.76	42.16	-7.84	34.32	46.00	-11.68	Peak	100	360
3	400.54	42.39	-5.44	36.95	46.00	-9.05	Peak	100	360
4	542.16	37.93	2.41	40.34	46.00	-5.66	QP	100	360
5	600.36	39.34	2.54	41.88	46.00	-4.12	QP	100	360
6	720.64	28.40	6.35	34.75	46.00	-11.25	Peak	100	360

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.
6. The other emissions is too low to be measured.



Power	: AC 120V	Pol/Phase	: HORIZONTAL
Test Mode 2	: Transmit / Receive	Temperature	: 23 °C
Atmospheric Pressure	: 1022 hPa	Humidity	: 60 %



Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		cm	Deg
1	342.34	41.67	-8.83	32.84	46.00	-13.16	Peak	100	0
2	408.30	46.01	-8.84	37.17	46.00	-8.83	Peak	100	0
3	505.30	34.08	0.66	34.74	46.00	-11.26	Peak	100	0
4	542.16	38.96	1.99	40.95	46.00	-5.05	QP	100	0
5	600.36	38.77	2.17	40.94	46.00	-5.06	QP	100	0
6	660.50	36.76	-0.34	36.42	46.00	-9.58	Peak	100	0

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.
6. The other emissions is too low to be measured.



5. Frequency Stability

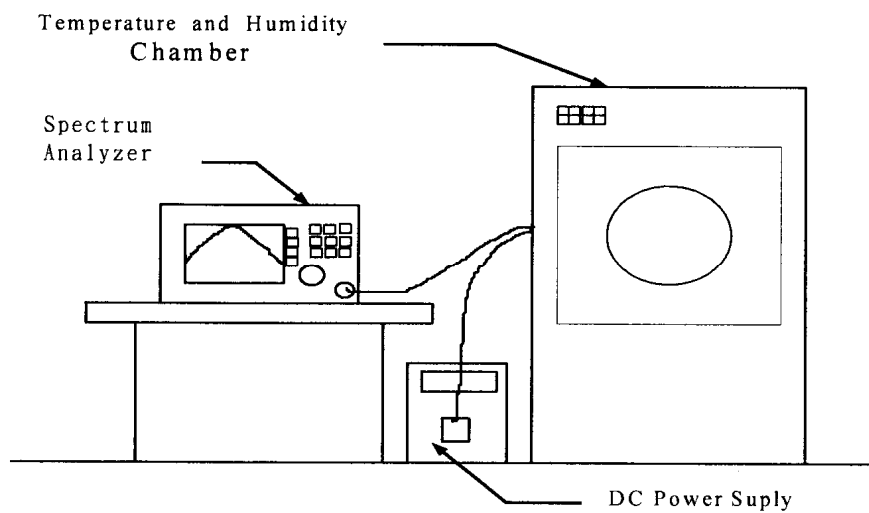
5.1 Test Limit

The frequency tolerance of the carrier signal shall be maintained within $\pm 0.01\%$ of the operating frequency over a temperature variation of $-20\text{ }^{\circ}\text{C}$ to $+50\text{ }^{\circ}\text{C}$ at normal supply voltage, and for a variation in the primary supply voltage from 85% to 115% of the rated supply voltage at a temperature of $20\text{ }^{\circ}\text{C}$. For battery operated equipment, the equipment tests shall be performed using a new battery.

5.2 Test Procedure

1. The EUT was placed inside the Temperature and Humidity chamber.
2. The transmitter output was connected to spectrum analyzer.
3. Turn the EUT on and couple its output to a spectrum analyzer.
4. Turn the EUT off and set the chamber to the highest temperature specified.
5. Allow sufficient time (approximately 30 min) for the temperature of the chamber to stabilize, turn the EUT on and measure the operating frequency after 2, 5, and 10 minutes.
6. Repeat step 2 and 3 with the temperature chamber set to the lowest temperature.
7. The test chamber was allowed to stabilize at $+20\text{ }^{\circ}\text{C}$ for a minimum of 30 minutes. The supply voltage was then adjusted on the EUT from 85% to 115% and the frequency record.

5.3 Test Setup Layout



5.4 Measurement equipment

Instrument/Ancillary	Manufacturer	Model No.	Serial No.	Calibration Date	Valid Date.
Spectrum Analyzer	R&S	FSP40	100047	2012/03/01	2013/02/28
TEMPERATURE CHAMBER	T MACHINE	TMJ-9712	T-12-040111	2012/09/21	2013/09/20
DC Power Supply	GPD-3030	GM	7020936	N/A	N/A
AC Power Converter	AFC-11005	APC	F103120008	N/A	N/A



5.5 Test Result and Data

Operating frequency: 13.56 MHz					
Temperature (°C)	Power supply (V)	Observe Time	Read Frequency (MHz)	Tolerance (%)	Limit
50	120	Start	13.56124	0.009145	±0.01 %
		2 minute	13.56122	0.008997	±0.01 %
		5 minute	13.56105	0.007743	±0.01 %
		10 minute	13.56088	0.006490	±0.01 %
40	120	Start	13.56087	0.006416	±0.01 %
		2 minute	13.56133	0.009808	±0.01 %
		5 minute	13.56089	0.006563	±0.01 %
		10 minute	13.56089	0.006563	±0.01 %
30	120	Start	13.56087	0.006416	±0.01 %
		2 minute	13.56124	0.009145	±0.01 %
		5 minute	13.56117	0.008628	±0.01 %
		10 minute	13.56114	0.008407	±0.01 %
20	120	Start	13.56122	0.008997	±0.01 %
		2 minute	13.56074	0.005457	±0.01 %
		5 minute	13.56087	0.006416	±0.01 %
		10 minute	13.56124	0.009145	±0.01 %
20	102	Start	13.56089	0.006563	±0.01 %
		2 minute	13.56089	0.006563	±0.01 %
		5 minute	13.56124	0.009145	±0.01 %
		10 minute	13.56133	0.009808	±0.01 %
20	138	Start	13.56120	0.008850	±0.01 %
		2 minute	13.56085	0.006268	±0.01 %
		5 minute	13.56079	0.005826	±0.01 %
		10 minute	13.56077	0.005678	±0.01 %
10	120	Start	13.56087	0.006416	±0.01 %
		2 minute	13.56133	0.009808	±0.01 %
		5 minute	13.56089	0.006563	±0.01 %
		10 minute	13.56089	0.006563	±0.01 %
0	120	Start	13.56124	0.009145	±0.01 %
		2 minute	13.56100	0.007375	±0.01 %
		5 minute	13.56124	0.009145	±0.01 %
		10 minute	13.56100	0.007375	±0.01 %
-10	120	Start	13.56120	0.008850	±0.01 %
		2 minute	13.56085	0.006268	±0.01 %
		5 minute	13.56079	0.005826	±0.01 %
		10 minute	13.56077	0.005678	±0.01 %
-20	120	Start	13.56100	0.007375	±0.01 %
		2 minute	13.56085	0.006268	±0.01 %
		5 minute	13.56079	0.005826	±0.01 %
		10 minute	13.56085	0.006268	±0.01 %



6. 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

6.1 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.