

FCC 47 CFR PART 22H and 24E

Test Report

Product Type : 10.1" Tablet
Applicant : VIA Technologies, Inc.
Address : 8F, 533, Chung-Cheng Rd. Hsin-Tien, New Taipei City, Taiwan
Trade Name : Viega
Model Number : VT6081
Test Specification : FCC 47 CFR PART 22H: Oct, 2012
FCC 47 CFR PART 24E: Oct, 2012
ANSI/TIA-603-C-2004
Application Purpose : Original
Receive Date : May 05, 2014
Test Period : May 28 ~ Jun. 03, 2014
Issue Date : Jun. 13, 2014

Issue by

A Test Lab Techno Corp.
No. 140-1, Changan Street, Bade City,
Taoyuan County 334, Taiwan R.O.C.
Tel : +886-3-2710188 / Fax : +886-3-2710190



Taiwan Accreditation Foundation accreditation number: 1330

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Revision History

Rev.	Issue Date	Revisions	Revised By
00	Jun. 13, 2014	Initial Issue	

Verification of Compliance

Issued Date: 06/13/2014

Product Type : 10.1" Tablet
Applicant : VIA Technologies, Inc.
Address : 8F, 533, Chung-Cheng Rd. Hsin-Tien, New Taipei City, Taiwan
Trade Name : Viega
Model Number : VT6081
FCC ID : NCI-VEVT6081A1
EUT Rated Voltage : DC 12V, 1.5A
Test Voltage : 120 Vac / 60 Hz
Applicable Standard : FCC 47 CFR PART 22H: Oct, 2012
FCC 47 CFR PART 24E: Oct, 2012
ANSI/TIA-603-C-2004

Application Purpose : Original

Test Result : Complied

Performing Lab. : A Test Lab Techno Corp.
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Taiwan Accreditation Foundation accreditation number: 1330
<http://www.atl-lab.com.tw/e-index.htm>

The above equipment was tested by A Test Lab Techno Corp. The test data, data evaluation, test procedures, and equipment configurations shown in this report were made in accordance with the procedures given in ANSI C63.4: 2009 and the energy emitted by the sample tested as described in this report is in compliance with the requirements of FCC Rules Part 22H, Part 24E.

The test results of this report relate only to the tested sample identified in this report.

Approved By : Fly Lu Reviewed By : Eric Ou Yang
(Manager) (Fly Lu) (Testing Engineer) (Eric Ou Yang)

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1 General Information

1.1. EUT Description

Applicant	VIA Technologies, Inc.				
Applicant Address	8F, 533, Chung-Cheng Rd. Hsin-Tien, New Taipei City, Taiwan				
Manufacturer	VIA Technologies, Inc.				
Manufacturer Address	8F, 533, Chung-Cheng Rd. Hsin-Tien, New Taipei City, Taiwan				
Product Type	10.1" Tablet				
Trade Name	Viega				
Model Number	VT6081				
FCC ID	NCI-VEVT6081A1				
IMEI No.	358901048976879				
Mode	GPRS/EGPRS	Band	UL Frequency (MHz)	DL Frequency (MHz)	Modulation
		850	824.2 ~ 848.8	869.2 ~ 893.8	GMSK/8PSK
	WCDMA (RMC12.2K)/ HSDPA/ HSUPA	1900	1850.2 ~ 1909.8	1930.2 ~ 1989.8	GMSK/8PSK
		Band	UL Frequency (MHz)	DL Frequency (MHz)	Modulation
		II	1852.4 ~ 1907.6	1932.4 ~ 1987.6	QPSK
		V	826.4 ~ 846.6	871.4 ~ 891.6	QPSK
Channel Control	Auto				
Type of Antenna	PCB Antenan				
Antenna Gain (dBi)	GPRS/EGPRS 850 : -0.57 dBi GPRS/EGPRS 1900 : 2.28 dBi WCDMA/ HSDPA/ HSUPA Band II : 2.28 dBi WCDMA/ HSDPA/ HSUPA Band V : -0.57 dBi				
Max. RF Output power	GPRS 850 : 32.50 dBm / 1.778 W EGPRS 850 : 29.30 dBm / 0.851 W GPRS 1900 : 28.80 dBm / 0.759 W EGPRS 1900 : 27.70 dBm / 0.589 W WCDMA/ HSDPA/ HSUPA Band II : 25.11 dBm / 0.324 W WCDMA/ HSDPA/ HSUPA Band V : 24.94 dBm / 0.312 W				
Max. ERP/EIRP	GPRS 850 : 32.85 dBm / 1.928 W EGPRS 850 : 28.76 dBm / 0.752 W GPRS 1900 : 27.56 dBm / 0.570 W EGPRS 1900 : 23.95 dBm / 0.248 W WCDMA/ HSDPA/ HSUPA Band II : 22.44 dBm / 0.175 W WCDMA/ HSDPA/ HSUPA Band V : 23.91 dBm / 0.246 W				

1.2. Mode of Operation

ATL has verified the construction and function in typical operation. All the test modes were carried out with the EUT in normal operation, which was shown in this test report and defined as:

Test Mode
Mode 1: GPRS 850 Link Mode
Mode 2: GPRS 1900 Link Mode
Mode 3: EGPRS 850 Link Mode
Mode 4: EGPRS 1900 Link Mode
Mode 5: WCDMA Band II Link Mode
Mode 6: WCDMA Band V Link Mode

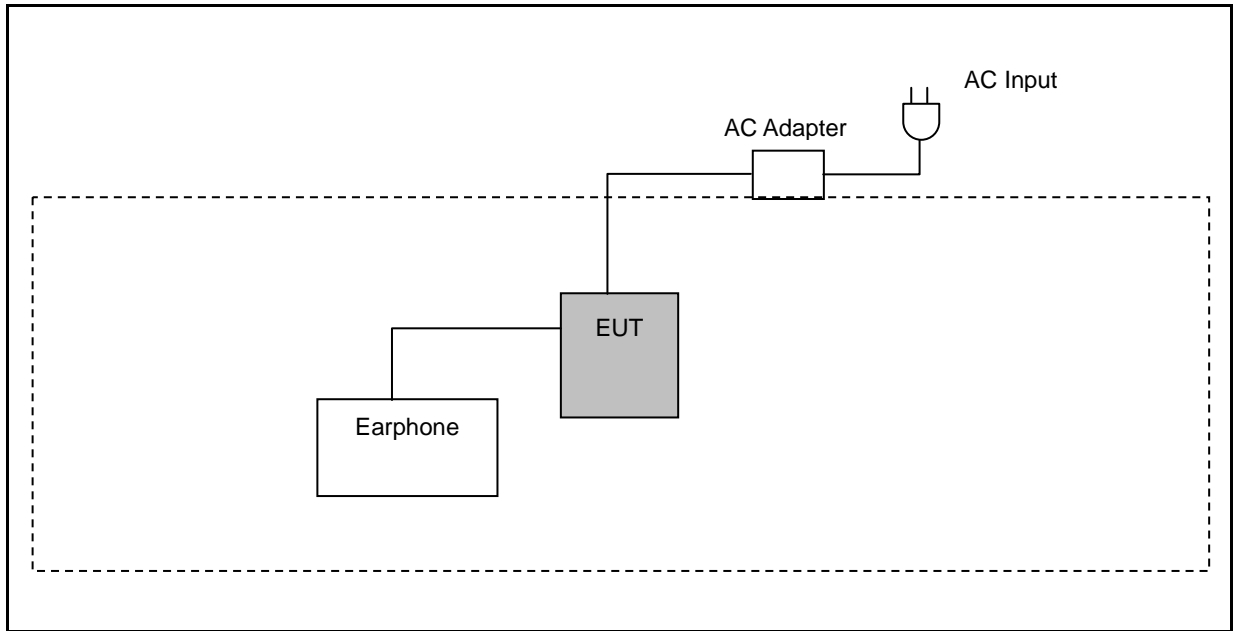
Note: Regards to the frequency band operation: the lowest, middle and highest frequency of channel were selected to perform the test, then shown on this report.

By preliminary testing and verifying three axis (X, Y and Z) position of EUT transmitted status, it was found that "X axis" position was the worst, then the final test was executed the worst condition and test data were recorded in this report.

1.3. EUT Exercise Software

1	Setup the EUT and Base Station (CMU200) as shown on 1.4.
2	Turn on the power of all equipment.

1.4. Configuration of Test System Details



1.5. Test Site Environment

Items	Required (IEC 60068-1)	Actual
Temperature (°C)	15-35	26
Humidity (%RH)	25-75	60
Barometric pressure (mbar)	860-1060	950

1.6. Summary of Test Result

Description	FCC Rule	Limit	Result
Conducted Output Power	§2.1046	N/A	Pass
Effective Radiated Power	§22.913(a)(2)	< 7 Watts for FCC (<6.3 Watts for IC)	Pass
Equivalent Isotropic Radiated Power	§24.232(c)	< 2 Watts	Pass
Peak to average ratio	§24.232(d)	< 13 dB	Pass
Emission Bandwidth & Occupied Bandwidth	§2.1049 §22.917(a) §24.238(a)	N/A	Pass
Band Edge Measurement	§2.1051 §22.917(a) §24.238(a)	< $43+10\log_{10}(P[\text{Watts}])$	Pass
Conducted Spurious Emission	§2.1051 §22.917(a) §24.238(a)	< $43+10\log_{10}(P[\text{Watts}])$	Pass
Field Strength of Spurious Radiation	§2.1053 §22.917(a) §24.238(a)	< $43+10\log_{10}(P[\text{Watts}])$	Pass
Frequency Stability for Temperature & Voltage	§2.1055 §22.355 §24.235	< 2.5 ppm	Pass

2 RF Output Power Test

2.1. Limit

N/A

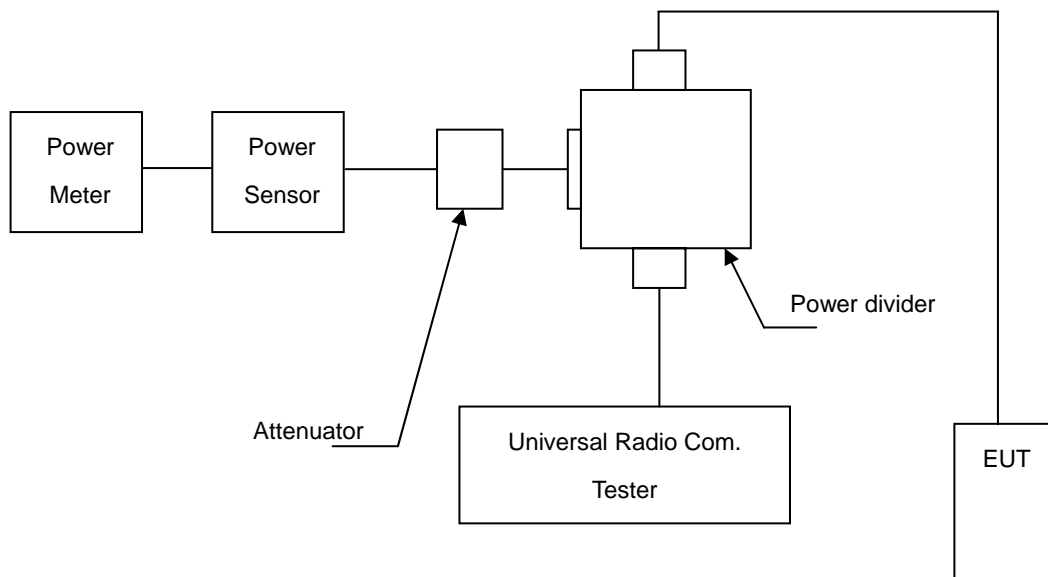
2.2. Test Instruments

Equipment	Manufacturer	Model Number	Serial Number	Cal. Date	Remark
Universal Radio Communication Tester	R & S	CMU200	109369	08/07/2012	(2)
Single Channel PK Power Sensor	Agilent	N1911A	MY45101619	12/21/2013	(2)
Wideband Power Meter	Agilent	N1921A	MY45241957	12/21/2013	(2)
Test Site	ATL	TE05	TE05	N.C.R.	-----

Remark: ⁽¹⁾ Calibration period 1 year. ⁽²⁾ Calibration period 2 years.

Note: N.C.R. = No Calibration Request.

2.3. Test Setup



2.4. Test Procedure

The measurement is made according to ANSI/TIA-603-C-2004 as follows:

1. The transmitter output was connected to power meter and base station through Power Divider.
2. Set base station for EUT at GSM 850: PCL=5 and PCS 1900: PCL=0.
3. Set base station for EUT at WCDMA Band V and WCDMA Band II, power level was set to maximum.
4. Select lowest, middle, and highest channels for each band.

2.5. Uncertainty

The measurement uncertainty is defined as for RF output power measurement is 1.2 dB.

2.6. Test Result

Model Number	VT6081						
Test Item	RF Output Power						
Date of Test	05/28/2014			Test Site		TE05	
Bands	Modulation Type	Data Rate	Frequency (MHz)	Burst Average Power		Peak Power	
				(dBm)	(W)	(dBm)	(W)
GRRS 850 Multi Class :12 Max Up:4 Max Down:4 Sum:5	GMSK	4Down1Up (Duty Factor 1/8)	824.2	32.30	1.698	32.40	1.738
			836.6	32.40	1.738	32.50	1.778
			848.8	32.10	1.622	32.30	1.698
		3Down2Up (Duty Factor 2/8)	824.2	32.20	1.660	32.30	1.698
			836.6	32.30	1.698	32.40	1.738
			848.8	32.00	1.585	32.20	1.660
		2Down3Up (Duty Factor 3/8)	824.2	31.40	1.380	31.50	1.413
			836.6	31.40	1.380	31.50	1.413
			848.8	31.20	1.318	31.30	1.349
		1Down4Up (Duty Factor 4/8)	824.2	31.30	1.349	31.40	1.380
			836.6	31.30	1.349	31.50	1.413
			848.8	31.20	1.318	31.30	1.349
EGPRS 850 Multi Class :12 Max Up:4 Max Down:4 Sum:5	8PSK	4Down1Up (Duty Factor 1/8)	824.2	26.50	0.447	29.20	0.832
			836.6	26.60	0.457	29.30	0.851
			848.8	26.40	0.437	29.20	0.832
		3Down2Up (Duty Factor 2/8)	824.2	26.40	0.437	29.30	0.851
			836.6	26.50	0.447	29.30	0.851
			848.8	26.30	0.427	29.10	0.813
		2Down3Up (Duty Factor 3/8)	824.2	25.60	0.363	28.40	0.692
			836.6	25.70	0.372	28.50	0.708
			848.8	25.40	0.347	28.30	0.676
		1Down4Up (Duty Factor 4/8)	824.2	24.60	0.288	27.30	0.537
			836.6	24.60	0.288	27.30	0.537
			848.8	24.40	0.275	27.10	0.513

Note: The peak power testing result was used peak detector.

Model Number	VT6081						
Test Item	RF Output Power						
Date of Test	05/28/2014			Test Site		TE05	
Bands	Modulation Type	Data Rate	Frequency (MHz)	Burst Average Power		Peak Power	
				(dBm)	(W)	(dBm)	(W)
GRRS 1900 Multi Class :12 Max Up:4 Max Down:4 Sum:5	GMSK	4Down1Up (Duty Factor 1/8)	1850.20	28.50	0.708	28.60	0.724
			1880.00	28.60	0.724	28.70	0.741
			1909.80	28.70	0.741	28.80	0.759
		3Down2Up (Duty Factor 2/8)	1850.20	28.40	0.692	28.50	0.708
			1880.00	28.50	0.708	28.60	0.724
			1909.80	28.50	0.708	28.70	0.741
		2Down3Up (Duty Factor 3/8)	1850.20	27.70	0.589	27.80	0.603
			1880.00	27.80	0.603	27.90	0.617
			1909.80	27.80	0.603	27.90	0.617
		1Down4Up (Duty Factor 4/8)	1850.20	26.50	0.447	26.60	0.457
			1880.00	26.60	0.457	26.70	0.468
			1909.80	26.60	0.457	26.70	0.468
EGPRS 1900 Multi Class :12 Max Up:4 Max Down:4 Sum:5	8PSK	4Down1Up (Duty Factor 1/8)	1850.20	24.70	0.295	27.60	0.575
			1880.00	24.80	0.302	27.60	0.575
			1909.80	24.90	0.309	27.70	0.589
		3Down2Up (Duty Factor 2/8)	1850.20	24.60	0.288	27.50	0.562
			1880.00	24.70	0.295	27.50	0.562
			1909.80	24.70	0.295	27.60	0.575
		2Down3Up (Duty Factor 3/8)	1850.20	23.70	0.234	26.90	0.490
			1880.00	23.90	0.245	26.90	0.490
			1909.80	23.90	0.245	26.90	0.490
		1Down4Up (Duty Factor 4/8)	1850.20	22.60	0.182	25.90	0.389
			1880.00	22.70	0.186	25.90	0.389
			1909.80	22.70	0.186	26.00	0.398

Note: The peak power testing result was used peak detector.

Model Number	VT6081						
Test Item	RF Output Power						
Date of Test	05/28/2014			Test Site		TE05	
Bands	Modulation Type	Sub-Test	Frequency (MHz)	Burst Average Power		Peak Power	
				(dBm)	(W)	(dBm)	(W)
WCDMA Band II	QPSK	-----	1852.4	22.13	0.163	25.11	0.324
			1880.0	21.91	0.155	25.03	0.318
			1907.6	21.84	0.153	24.96	0.313
HSDPA Band II	QPSK	1	1852.4	21.41	0.138	24.37	0.274
			1880.0	21.16	0.131	24.28	0.268
			1907.6	21.12	0.129	24.23	0.265
		2	1852.4	21.38	0.137	24.34	0.272
			1880.0	21.13	0.130	24.25	0.266
			1907.6	21.10	0.129	24.21	0.264
		3	1852.4	20.92	0.124	23.88	0.244
			1880.0	20.66	0.116	23.78	0.239
			1907.6	20.61	0.115	23.72	0.236
		4	1852.4	20.89	0.123	23.85	0.243
			1880.0	20.65	0.116	23.77	0.238
			1907.6	20.62	0.115	23.73	0.236
HSUPA Band II	QPSK	1	1852.4	20.92	0.124	23.84	0.242
			1880.0	20.63	0.116	23.75	0.237
			1907.6	20.57	0.114	23.70	0.234
		2	1852.4	18.95	0.079	21.87	0.154
			1880.0	18.64	0.073	21.76	0.150
			1907.6	18.57	0.072	21.70	0.148
		3	1852.4	19.93	0.098	22.85	0.193
			1880.0	19.65	0.092	22.77	0.189
			1907.6	19.57	0.091	22.70	0.186
		4	1852.4	18.92	0.078	21.84	0.153
			1880.0	18.62	0.073	21.74	0.149
			1907.6	18.58	0.072	21.71	0.148
		5	1852.4	20.89	0.123	23.81	0.240
			1880.0	20.59	0.115	23.71	0.235
			1907.6	20.52	0.113	23.65	0.232

Note: The peak power testing result was used peak detector.

Model Number	VT6081						
Test Item	RF Output Power						
Date of Test	05/28/2014			Test Site		TE05	
Bands	Modulation Type	Sub-Test	Frequency (MHz)	Burst Average Power		Peak Power	
				(dBm)	(W)	(dBm)	(W)
WCDMA Band V	QPSK	-----	826.4	22.12	0.163	24.94	0.312
			836.6	22.02	0.159	24.90	0.309
			846.6	21.96	0.157	24.83	0.304
HSDPA Band V	QPSK	1	826.4	21.37	0.137	24.19	0.262
			836.6	21.26	0.134	24.14	0.259
			846.6	21.21	0.132	24.05	0.254
		2	826.4	21.34	0.136	24.16	0.261
			836.6	21.22	0.132	24.10	0.257
			846.6	21.17	0.131	24.01	0.252
		3	826.4	20.88	0.122	23.70	0.234
			836.6	20.76	0.119	23.64	0.231
			846.6	20.71	0.118	23.55	0.226
		4	826.4	20.85	0.122	23.67	0.233
			836.6	20.75	0.119	23.63	0.231
			846.6	20.68	0.117	23.52	0.225
HSUPA Band V	QPSK	1	826.4	20.86	0.122	23.64	0.231
			836.6	20.72	0.118	23.58	0.228
			846.6	20.67	0.117	23.49	0.223
		2	826.4	18.88	0.077	21.66	0.147
			836.6	18.72	0.074	21.58	0.144
			846.6	18.66	0.073	21.48	0.141
		3	826.4	19.89	0.097	22.67	0.185
			836.6	19.74	0.094	22.60	0.182
			846.6	19.67	0.093	22.49	0.177
		4	826.4	18.85	0.077	21.63	0.146
			836.6	18.70	0.074	21.56	0.143
			846.6	18.66	0.073	21.48	0.141
		5	826.4	20.82	0.121	23.60	0.229
			836.6	20.69	0.117	23.55	0.226
			846.6	20.62	0.115	23.44	0.221

Note: The peak power testing result was used peak detector.

3 Effective Radiated Power / Equivalent Isotropic Radiated Power Test

3.1. Limit

For FCC Part 22.913(a)(2): The ERP of mobile transmitters and auxiliary test transmitters must not exceed 7 Watts.

For FCC Part 24.232(b): The EIRP of mobile transmitters and auxiliary test transmitters must not exceed 2 Watts.

3.2. Test Instruments

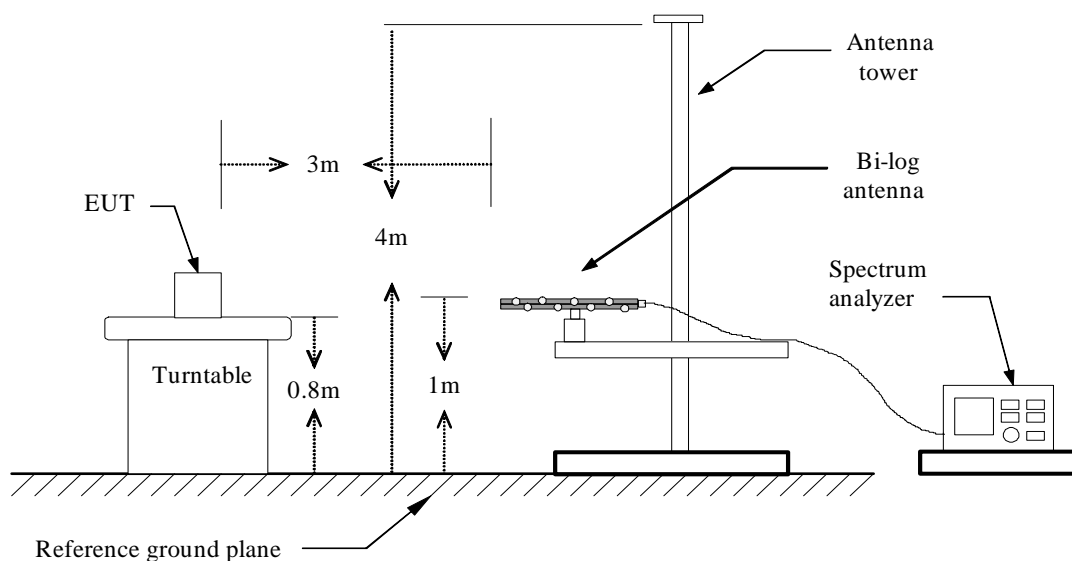
3 Meter Chamber					
Equipment	Manufacturer	Model Number	Serial Number	Cal. Date	Remark
RF Pre-selector	Agilent	N9039A	MY46520256	01/10/2014	(1)
Spectrum Analyzer	Agilent	E4446A	MY46180578	01/10/2014	(1)
Pre Amplifier	Agilent	8449B	3008A02237	02/21/2014	(1)
Pre Amplifier	Agilent	8447D	2944A10961	02/21/2014	(1)
Broadband Antenna (30MHz~1GHz)	SCHWARZBECK MESS-ELEKTRONIK	VULB9163	9163-270	07/16/2013	(1)
Horn Antenna (1~18GHz)	SCHWARZBECK MESS-ELEKTRONIK	BBHA9120D	9120D-550	06/10/2013	(1)
Horn Antenna (18~40GHz)	SCHWARZBECK MESS-ELEKTRONIK	BBHA9170	9170-320	06/13/2013	(1)
Test Site	ATL	TE01	888001	08/28/2013	(1)

Remark: ⁽¹⁾ Calibration period 1 year. ⁽²⁾ Calibration period 2 years.

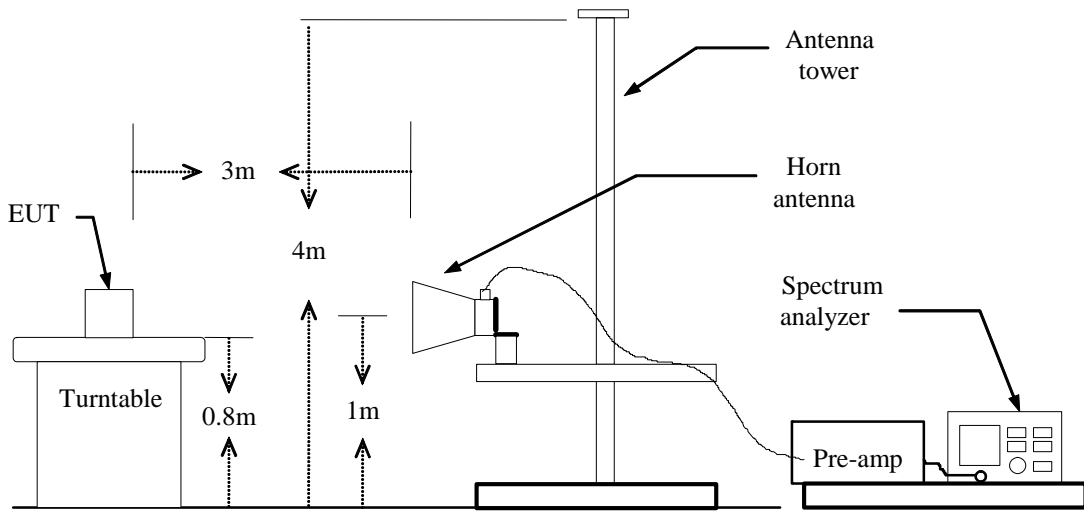
Note: N.C.R. = No Calibration Request.

3.3. Setup

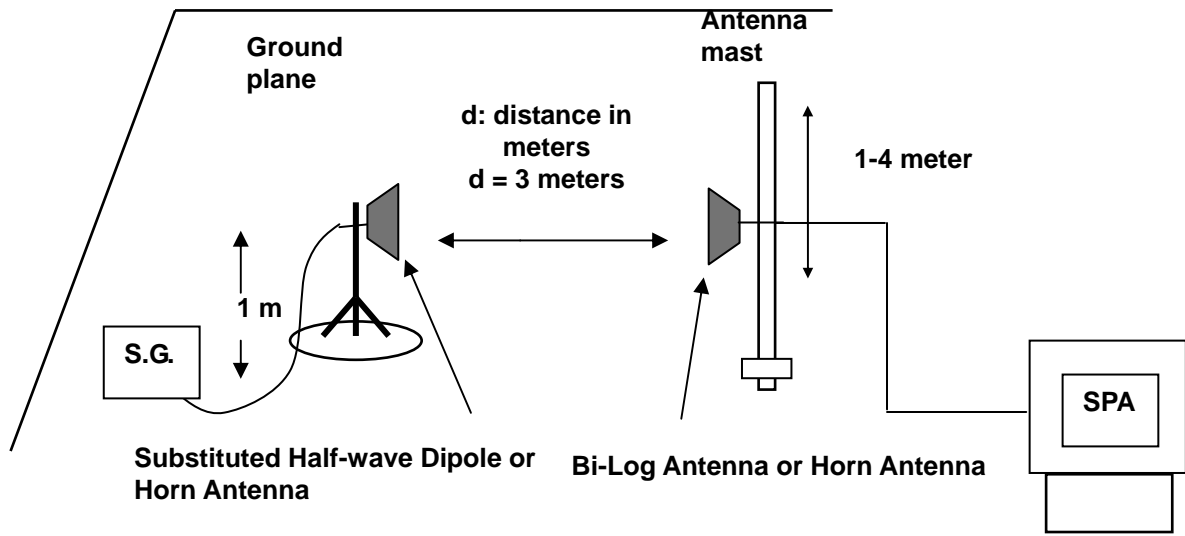
Below 1 GHz



Above 1 GHz



For Substituted Method Test Set-UP



3.4. Test Procedure

The measurement is made according to ANSI/TIA-603-C-2004 as follows:

The EUT was placed on a non-conductive turntable using a non-conductive support. The radiated emission at the fundamental frequency was measured at 3 m with a test antenna and EMI spectrum analyzer.

During the measurement of the EUT, the resolution bandwidth was set to 3MHz and the average bandwidth was set to 3MHz. The highest emission was recorded with the rotation of the turntable and the lowering of the test antenna.

The reading was recorded and the field strength (E in dBuV/m) was calculated.

ERP in frequency band 824-849MHz, and EIRP in frequency band 1851.25 –1910MHz were measured using a substitution method. The EUT was replaced by half-wave dipole (824-849MHz) or horn antenna (1851.25-1910MHz) connected to a signal generator. The spectrum analyzer reading was recorded and ERP/EIRP was calculated as follows:

$$\text{ERP} = \text{S.G. output (dBm)} + \text{Antenna Gain (dBd)} - \text{Cable (dB)}$$

$$\text{EIRP} = \text{S.G. output (dBm)} + \text{Antenna Gain (dBi)} - \text{Cable (dB)}$$

3.5. Uncertainty

The measurement uncertainty is defined as for Field Strength of Spurious Radiation measurement is ± 3.072 dB.

3.6. Test Result

Model Number	VT6081								
Test Item	ERP/EIRP								
Date of Test	05/30/2014					Test Site	TE01		
Bands	Modulation Type	Frequency (MHz)	Ant. Polar.	Read Level (dBm)	Correction Factor (dBm)	ERP		Limit	
						(dBm)	(W)		
GPRS 850	GMSK	824.2	H	18.19	10.81	29.00	0.794	< 7W	
			V	22.04	10.81	32.85	1.928	< 7W	
		836.6	H	19.43	10.82	30.25	1.059	< 7W	
			V	21.86	10.82	32.68	1.854	< 7W	
		848.8	H	18.06	10.90	28.96	0.787	< 7W	
			V	21.30	10.90	32.20	1.660	< 7W	
EGPRS 850	8PSK	824.2	H	15.12	10.81	25.93	0.392	< 7W	
			V	17.77	10.81	28.58	0.721	< 7W	
		836.6	H	15.47	10.82	26.29	0.426	< 7W	
			V	17.94	10.82	28.76	0.752	< 7W	
		848.8	H	16.02	10.90	26.92	0.492	< 7W	
			V	17.80	10.90	28.70	0.741	< 7W	

Model Number	VT6081								
Test Item	ERP/EIRP								
Date of Test	05/30/2014					Test Site	TE01		
Bands	Modulation Type	Frequency (MHz)	Ant. Polar.	Read Level (dBm)	Correction Factor (dBm)	EIRP		Limit	
						(dBm)	(W)		
GPRS 1900	GMSK	1850.20	H	11.13	11.39	22.52	0.179	< 2W	
			V	16.17	11.39	27.56	0.570	< 2W	
		1880.00	H	11.14	11.65	22.79	0.190	< 2W	
			V	15.90	11.65	27.55	0.569	< 2W	
		1909.80	H	10.66	11.90	22.56	0.180	< 2W	
			V	15.58	11.90	27.48	0.560	< 2W	
EGPRS 1900	8PSK	1850.20	H	7.74	11.39	19.13	0.082	< 2W	
			V	11.97	11.39	23.36	0.217	< 2W	
		1880.00	H	9.11	11.65	20.76	0.119	< 2W	
			V	12.31	11.64	23.95	0.248	< 2W	
		1909.80	H	8.12	11.90	20.02	0.100	< 2W	
			V	11.87	11.90	23.77	0.238	< 2W	

Note: 1. ERP/EIRP = Read Level + Correction factor.

2. For WCDMA signals, a peak detector is used with RBW = VBW = 5MHz.

3. For AMPS, GSM, and NADC TDMA signals, a peak detector is used, with RBW = VBW= 1 MHz.

Model Number	VT6081								
Test Item	ERP/EIRP								
Date of Test	05/30/2014					Test Site	TE01		
Bands	Modulation Type	Frequency (MHz)	Ant. Polar.	Read Level (dBm)	Correction Factor (dBm)	EIRP		Limit	
						(dBm)	(W)		
WCDMA Band II	QPSK	1852.4	H	12.44	6.36	18.80	0.076	< 2W	
			V	15.78	6.35	22.13	0.163	< 2W	
		1880.0	H	12.18	6.55	18.73	0.075	< 2W	
			V	15.73	6.55	22.28	0.169	< 2W	
		1907.6	H	12.59	6.76	19.35	0.086	< 2W	
			V	15.67	6.77	22.44	0.175	< 2W	

Model Number	VT6081								
Test Item	ERP/EIRP								
Date of Test	05/30/2014					Test Site	TE01		
Bands	Modulation Type	Frequency (MHz)	Ant. Polar.	Read Level (dBm)	Correction Factor (dBm)	ERP		Limit	
						(dBm)	(W)		
WCDMA Band V	QPSK	826.4	H	10.12	10.82	20.94	0.124	< 7W	
			V	13.09	10.82	23.91	0.246	< 7W	
		836.6	H	10.66	10.81	21.47	0.140	< 7W	
			V	12.94	10.82	23.76	0.238	< 7W	
		846.6	H	10.12	10.87	20.99	0.126	< 7W	
			H	12.74	10.87	23.61	0.230	< 7W	

Note: 1. ERP/EIRP = Read Level + Correction factor.

2. For WCDMA signals, a peak detector is used with RBW = VBW = 5MHz.

3. For AMPS, GSM, and NADC TDMA signals, a peak detector is used, with RBW = VBW= 1 MHz.

4 Peak to Average Ratio Test

4.1. Limit

In measuring transmissions in this band using an average power technique, the peak to-average ratio (PAR) of the transmission may not exceed 13 dB.

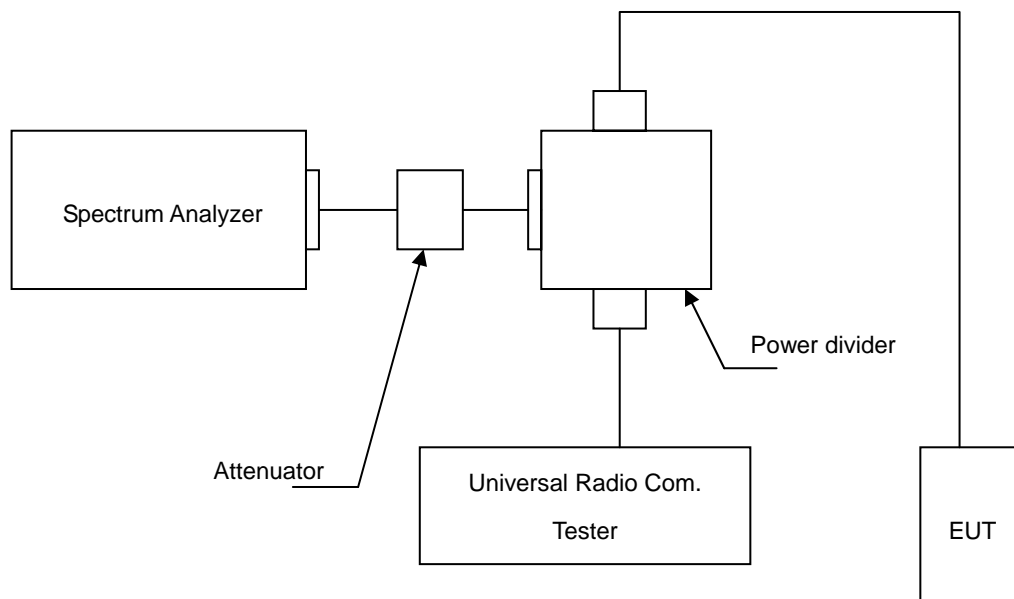
4.2. Test Instruments

Equipment	Manufacturer	Model No.	Serial No.	Cal. Date	Remark
Spectrum Analyzer	Agilent	E4445A	MY46181986	05/10/2014	(1)
Wideband Radio Communication Test	R & S	CMW500	103168	11/05/2013	(1)
Attenuator	RADIALL	R41572000	0603033073	N.C.R.	-----
Power divider	Agilent	87302C	3239A00760	N.C.R.	-----
Test Site	ATL	TE05	TE05	N.C.R.	-----

Remark: ⁽¹⁾ Calibration period 1 year. ⁽²⁾ Calibration period 2 years.

Note: N.C.R. = No Calibration Request.

4.3. Setup



4.4. Test Procedure

The measurement is made according to FCC rules part 24:

- a. Set resolution/measurement bandwidth signal's occupied bandwidth;
- b. Set the number of counts to a value that stabilizes the measured CCDF curve;
- c. Record the maximum PAPR level associated with a probability of 0.1%.

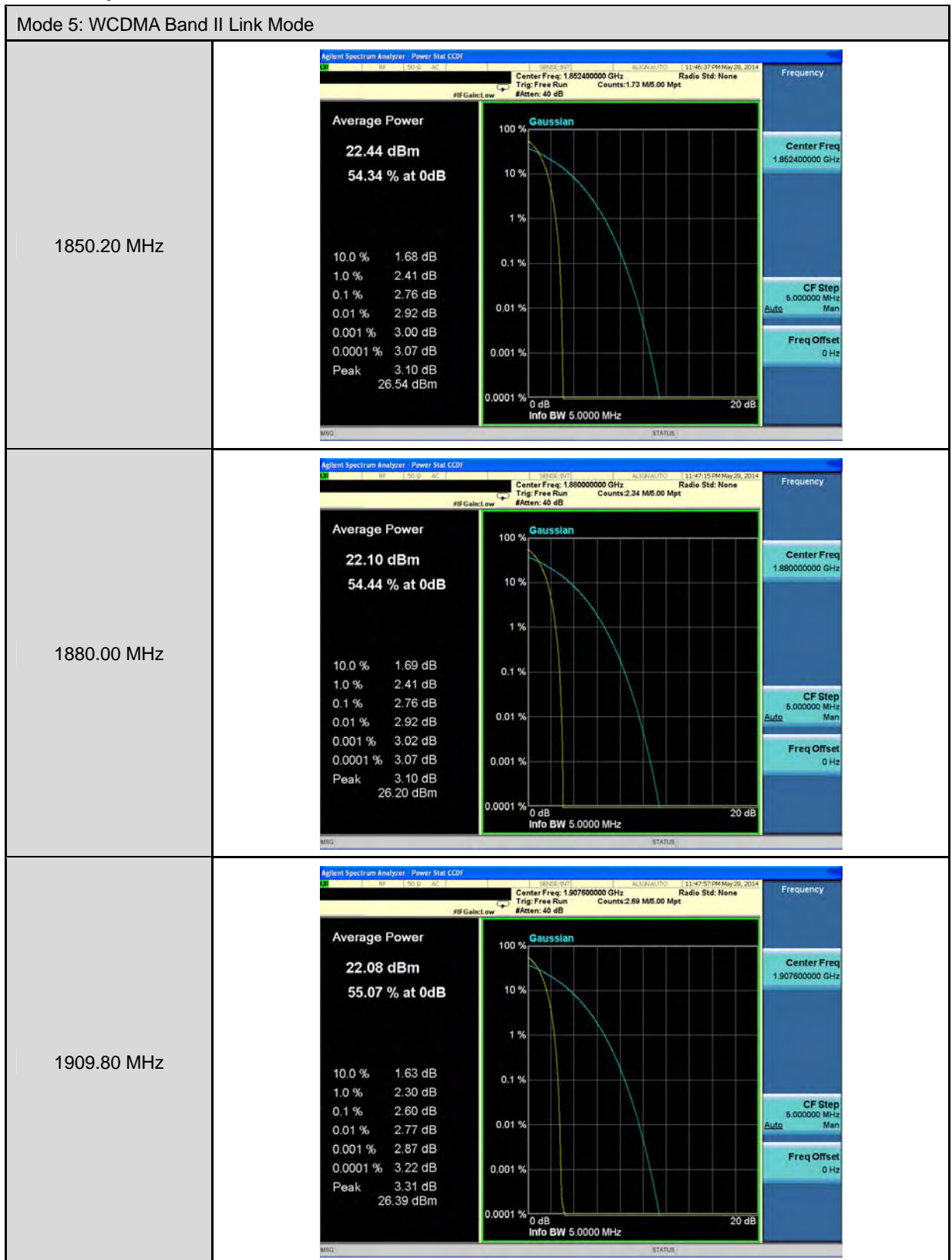
4.5. Uncertainty

The measurement uncertainty is defined as for Conducted Power measurement is 1.2 dB.

4.6. Test Result

Model Number	VT6081				
Test Item	Peak to Average Ratio				
Date of Test	06/03/2014			Test Site	TE05
Bands	Channel	Frequency (MHz)	Peak to Average Ratio (dB)	Limit (dB)	
WCDMA Band II	9262	1852.4	2.76	< 13	
	9400	1880.0	2.76	< 13	
	9538	1907.6	2.60	< 13	

4.7. Test Graphs



5 Emission Bandwidth & Occupied Bandwidth Test

5.1. Limit

The Occupied Bandwidth Limit:

N/A.

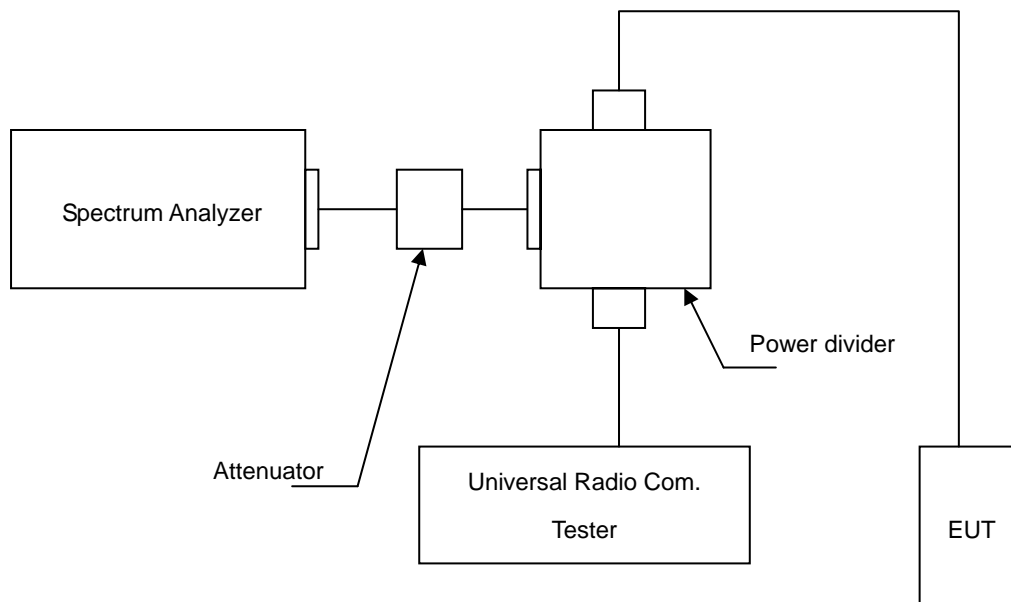
5.2. Test Instruments

Equipment	Manufacturer	Model Number	Serial Number	Cal. Date	Remark
Universal Radio Communication Tester	R & S	CMU200	109369	08/07/2012	(2)
Spectrum Analyzer	Agilent	E4445A	MY46181986	05/10/2014	(1)
Attenuator	RADIALL	R41572000	0603033073	N.C.R.	-----
Power Divider	Agilent	87302C	3239A00760	N.C.R.	-----
Test Site	ATL	TE05	TE05	N.C.R.	-----

Remark: ⁽¹⁾ Calibration period 1 year. ⁽²⁾ Calibration period 2 years.

Note: N.C.R. = No Calibration Request.

5.3. Setup



5.4. Test Procedure

The measurement is made according to FCC rules part 22 and 24:

1. The EUT was connected to Spectrum Analyzer and Base Station via Power Divider.
2. The occupied bandwidth of middle channel for the highest and lowest RF powers was measured.

5.5. Uncertainty

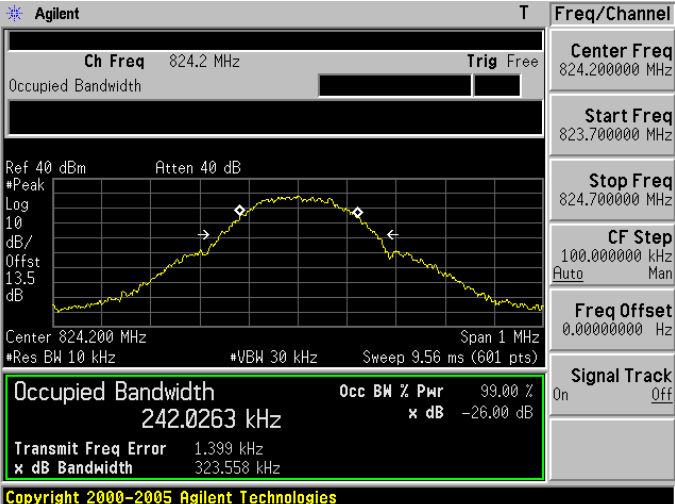

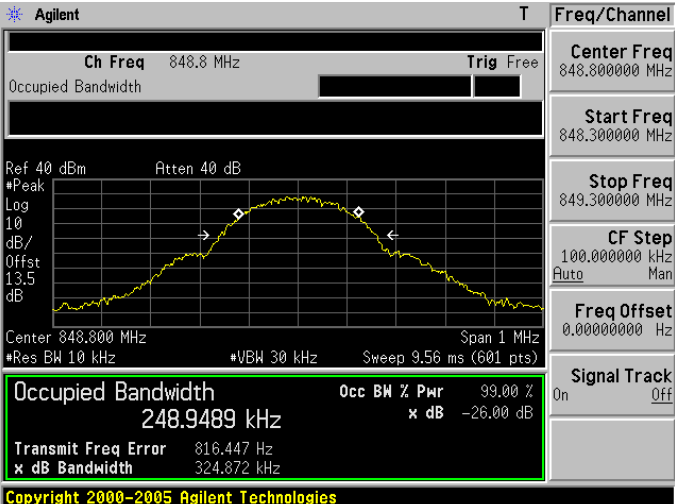
The measurement uncertainty is defined as $\pm 10\text{Hz}$

5.6. Test Result

Model Number	VT6081				
Test Item	Emission Bandwidth & Occupied Bandwidth				
Date of Test	05/28/2014			Test Site	TE05
Bands	Channel	Frequency (MHz)	-26dB Bandwidth (kHz)	99% Bandwidth (kHz)	Note
GPRS 850	128	824.2	323.558	242.0263	RBW:10KHz , VBW:30KHz
	190	836.6	310.219	244.6613	RBW:10KHz , VBW:30KHz
	251	848.8	324.872	248.9489	RBW:10KHz , VBW:30KHz
GPRS 1900	512	1850.2	317.686	245.3839	RBW:10KHz , VBW:30KHz
	661	1880.0	312.922	241.4856	RBW:10KHz , VBW:30KHz
	810	1909.8	319.683	241.2250	RBW:10KHz , VBW:30KHz
EGPRS 850	128	824.2	316.497	241.0324	RBW:10KHz , VBW:30KHz
	190	836.6	325.347	248.5505	RBW:10KHz , VBW:30KHz
	251	848.8	316.822	252.1686	RBW:10KHz , VBW:30KHz
EGPRS 1900	512	1850.2	317.414	254.3269	RBW:10KHz , VBW:30KHz
	661	1880.0	323.405	259.3836	RBW:10KHz , VBW:30KHz
	810	1909.8	318.993	252.8467	RBW:10KHz , VBW:30KHz

Model Number	VT6081				
Test Item	Emission Bandwidth & Occupied Bandwidth				
Date of Test	05/28/2014			Test Site	TE05
Bands	Channel	Frequency (MHz)	-26dB Bandwidth (MHz)	99% Bandwidth (MHz)	Note
WCDMA Band II	9262	1852.4	4.633	4.0557	RBW:100KHz , VBW:300KHz
	9400	1880.0	4.627	4.0817	RBW:100KHz , VBW:300KHz
	9538	1907.6	4.669	4.0849	RBW:100KHz , VBW:300KHz
WCDMA Band V	4132	826.4	4.672	4.0606	RBW:100KHz , VBW:300KHz
	4183	836.6	4.673	4.0752	RBW:100KHz , VBW:300KHz
	4233	846.6	4.688	4.0957	RBW:100KHz , VBW:300KHz

5.7. Test Graphs

Mode 1: GPRS 850 Link Mode	
824.2 MHz	 <p>Agilent T Freq/Channel</p> <p>Ch Freq 824.2 MHz Trig Free</p> <p>Center Freq 824.200000 MHz</p> <p>Start Freq 823.700000 MHz</p> <p>Stop Freq 824.700000 MHz</p> <p>CF Step 100.000000 kHz</p> <p>Freq Offset 0.00000000 Hz</p> <p>Signal Track On Off</p> <p>Ref 40 dBm Atten 40 dB</p> <p>#Peak Log 10 dB/Offst 13.5 dB</p> <p>Center 824.200 MHz Span 1 MHz</p> <p>#Res BW 10 kHz #VBW 30 kHz Sweep 9.56 ms (601 pts)</p> <p>Occupied Bandwidth 242.0263 kHz</p> <p>Occ BW % Pwr 99.00 %</p> <p>x dB -26.00 dB</p> <p>Transmit Freq Error 1.399 kHz</p> <p>x dB Bandwidth 323.558 kHz</p> <p>Copyright 2000-2005 Agilent Technologies</p>
836.6 MHz	 <p>Agilent T Freq/Channel</p> <p>Ch Freq 836.6 MHz Trig Free</p> <p>Center Freq 836.600000 MHz</p> <p>Start Freq 836.100000 MHz</p> <p>Stop Freq 837.100000 MHz</p> <p>CF Step 100.000000 kHz</p> <p>Freq Offset 0.00000000 Hz</p> <p>Signal Track On Off</p> <p>Ref 40 dBm Atten 40 dB</p> <p>#Peak Log 10 dB/Offst 13.5 dB</p> <p>Center 836.600 MHz Span 1 MHz</p> <p>#Res BW 10 kHz #VBW 30 kHz Sweep 9.56 ms (601 pts)</p> <p>Occupied Bandwidth 244.6613 kHz</p> <p>Occ BW % Pwr 99.00 %</p> <p>x dB -26.00 dB</p> <p>Transmit Freq Error 1.752 kHz</p> <p>x dB Bandwidth 310.219 kHz</p> <p>Copyright 2000-2005 Agilent Technologies</p>
848.8 MHz	 <p>Agilent T Freq/Channel</p> <p>Ch Freq 848.8 MHz Trig Free</p> <p>Center Freq 848.800000 MHz</p> <p>Start Freq 848.300000 MHz</p> <p>Stop Freq 849.300000 MHz</p> <p>CF Step 100.000000 kHz</p> <p>Freq Offset 0.00000000 Hz</p> <p>Signal Track On Off</p> <p>Ref 40 dBm Atten 40 dB</p> <p>#Peak Log 10 dB/Offst 13.5 dB</p> <p>Center 848.800 MHz Span 1 MHz</p> <p>#Res BW 10 kHz #VBW 30 kHz Sweep 9.56 ms (601 pts)</p> <p>Occupied Bandwidth 248.9489 kHz</p> <p>Occ BW % Pwr 99.00 %</p> <p>x dB -26.00 dB</p> <p>Transmit Freq Error 816.447 Hz</p> <p>x dB Bandwidth 324.872 kHz</p> <p>Copyright 2000-2005 Agilent Technologies</p>

Mode 2: GPRS 1900 Link Mode	
1850.20 MHz	<p>Agilent R T Freq/Channel</p> <p>Ch Freq 1.8502 GHz Trig Free</p> <p>Center Freq 1.8502000 GHz</p> <p>Start Freq 1.8497000 GHz</p> <p>Stop Freq 1.8507000 GHz</p> <p>CF Step 100.000000 kHz</p> <p>Freq Offset 0.0000000 Hz</p> <p>Signal Track On Off</p> <p>Ref 30 dBm Atten 30 dB</p> <p>#Peak Log 10 dB/Offst 13.8 dB</p> <p>Center 1.850 200 GHz Span 1 MHz</p> <p>#Res BW 10 kHz #VBW 30 kHz Sweep 9.56 ms (601 pts)</p> <p>Occupied Bandwidth 245.3839 kHz</p> <p>Occ BW % Pwr 99.00 %</p> <p>x dB -26.00 dB</p> <p>Transmit Freq Error -55.712 Hz</p> <p>x dB Bandwidth 317.686 kHz</p> <p>Copyright 2000-2005 Agilent Technologies</p>
1880.00 MHz	<p>Agilent T Freq/Channel</p> <p>Ch Freq 1.88 GHz Trig Free</p> <p>Center Freq 1.8800000 GHz</p> <p>Start Freq 1.8795000 GHz</p> <p>Stop Freq 1.8805000 GHz</p> <p>CF Step 100.000000 kHz</p> <p>Freq Offset 0.0000000 Hz</p> <p>Signal Track On Off</p> <p>Ref 30 dBm Atten 30 dB</p> <p>#Peak Log 10 dB/Offst 13.8 dB</p> <p>Center 1.880 000 GHz Span 1 MHz</p> <p>#Res BW 10 kHz #VBW 30 kHz Sweep 9.56 ms (601 pts)</p> <p>Occupied Bandwidth 241.4856 kHz</p> <p>Occ BW % Pwr 99.00 %</p> <p>x dB -26.00 dB</p> <p>Transmit Freq Error -1.628 kHz</p> <p>x dB Bandwidth 312.922 kHz</p> <p>Copyright 2000-2005 Agilent Technologies</p>
1909.80 MHz	<p>Agilent T Freq/Channel</p> <p>Ch Freq 1.9098 GHz Trig Free</p> <p>Center Freq 1.9098000 GHz</p> <p>Start Freq 1.9093000 GHz</p> <p>Stop Freq 1.9103000 GHz</p> <p>CF Step 100.000000 kHz</p> <p>Freq Offset 0.0000000 Hz</p> <p>Signal Track On Off</p> <p>Ref 30 dBm Atten 30 dB</p> <p>#Peak Log 10 dB/Offst 13.8 dB</p> <p>Center 1.909 800 GHz Span 1 MHz</p> <p>#Res BW 10 kHz #VBW 30 kHz Sweep 9.56 ms (601 pts)</p> <p>Occupied Bandwidth 241.2250 kHz</p> <p>Occ BW % Pwr 99.00 %</p> <p>x dB -26.00 dB</p> <p>Transmit Freq Error -440.956 mHz</p> <p>x dB Bandwidth 319.683 kHz</p> <p>Copyright 2000-2005 Agilent Technologies</p>

Mode 3: EGPRS 850 Link Mode	
824.2 MHz	<p>Agilent R T Freq/Channel</p> <p>Ch Freq 824.2 MHz Trig Free</p> <p>Center Freq 824.200000 MHz</p> <p>Start Freq 823.700000 MHz</p> <p>Stop Freq 824.700000 MHz</p> <p>CF Step 100.000000 kHz Auto Man</p> <p>Freq Offset 0.00000000 Hz</p> <p>Signal Track On Off</p> <p>Ref 40 dBm Atten 40 dB</p> <p>#Peak Log 10 dB/Offst 13.5 dB</p> <p>Center 824.200 MHz Span 1 MHz</p> <p>#Res BW 10 kHz #VBW 30 kHz Sweep 9.56 ms (601 pts)</p> <p>Occupied Bandwidth 241.0324 kHz Occ BW % Pwr 99.00 % x dB -26.00 dB</p> <p>Transmit Freq Error 3.591 kHz</p> <p>x dB Bandwidth 316.497 kHz</p> <p>Copyright 2000-2005 Agilent Technologies</p>
836.6 MHz	<p>Agilent R T Freq/Channel</p> <p>Ch Freq 836.6 MHz Trig Free</p> <p>Center Freq 836.600000 MHz</p> <p>Start Freq 836.100000 MHz</p> <p>Stop Freq 837.100000 MHz</p> <p>CF Step 100.000000 kHz Auto Man</p> <p>Freq Offset 0.00000000 Hz</p> <p>Signal Track On Off</p> <p>Ref 40 dBm Atten 40 dB</p> <p>#Peak Log 10 dB/Offst 13.5 dB</p> <p>Start 836.100 MHz Stop 837.100 MHz</p> <p>#Res BW 10 kHz #VBW 30 kHz Sweep 9.56 ms (601 pts)</p> <p>Occupied Bandwidth 248.5505 kHz Occ BW % Pwr 99.00 % x dB -26.00 dB</p> <p>Transmit Freq Error 2.435 kHz</p> <p>x dB Bandwidth 325.347 kHz</p> <p>Copyright 2000-2005 Agilent Technologies</p>
848.8 MHz	<p>Agilent T Freq/Channel</p> <p>Ch Freq 848.8 MHz Trig Free</p> <p>Center Freq 848.800000 MHz</p> <p>Start Freq 848.300000 MHz</p> <p>Stop Freq 849.300000 MHz</p> <p>CF Step 100.000000 kHz Auto Man</p> <p>Freq Offset 0.00000000 Hz</p> <p>Signal Track On Off</p> <p>Ref 40 dBm Atten 40 dB</p> <p>#Peak Log 10 dB/Offst 13.5 dB</p> <p>Center 848.800 MHz Span 1 MHz</p> <p>#Res BW 10 kHz #VBW 30 kHz Sweep 9.56 ms (601 pts)</p> <p>Occupied Bandwidth 252.1686 kHz Occ BW % Pwr 99.00 % x dB -26.00 dB</p> <p>Transmit Freq Error -1.029 kHz</p> <p>x dB Bandwidth 316.822 kHz</p> <p>Copyright 2000-2005 Agilent Technologies</p>

Mode 4: EGPRS 1900 Link Mode	
1850.20 MHz	<p>Agilent T Freq/Channel</p> <p>Ch Freq 1.8502 GHz Trig Free</p> <p>Center Freq 1.8502000 GHz</p> <p>Start Freq 1.8497000 GHz</p> <p>Stop Freq 1.8507000 GHz</p> <p>CF Step 100.000000 kHz Auto Man</p> <p>Freq Offset 0.0000000 Hz</p> <p>Signal Track On Off</p> <p>Ref 30 dBm Atten 30 dB</p> <p>#Peak Log 10 dB/Offst 13.8 dB</p> <p>Center 1.850 200 GHz Span 1 MHz</p> <p>#Res BW 10 kHz #VBW 30 kHz Sweep 9.56 ms (601 pts)</p> <p>Occupied Bandwidth 254.3269 kHz Occ BW % Pwr 99.00 % x dB -26.00 dB</p> <p>Transmit Freq Error -291.773 Hz</p> <p>x dB Bandwidth 317.414 kHz</p> <p>Copyright 2000-2005 Agilent Technologies</p>
1880.00 MHz	<p>Agilent T Freq/Channel</p> <p>Ch Freq 1.88 GHz Trig Free</p> <p>Center Freq 1.8800000 GHz</p> <p>Start Freq 1.8795000 GHz</p> <p>Stop Freq 1.8805000 GHz</p> <p>CF Step 100.000000 kHz Auto Man</p> <p>Freq Offset 0.0000000 Hz</p> <p>Signal Track On Off</p> <p>Ref 30 dBm Atten 30 dB</p> <p>#Peak Log 10 dB/Offst 13.8 dB</p> <p>Center 1.880 000 GHz Span 1 MHz</p> <p>#Res BW 10 kHz #VBW 30 kHz Sweep 9.56 ms (601 pts)</p> <p>Occupied Bandwidth 259.3836 kHz Occ BW % Pwr 99.00 % x dB -26.00 dB</p> <p>Transmit Freq Error -1.472 kHz</p> <p>x dB Bandwidth 323.405 kHz</p> <p>Copyright 2000-2005 Agilent Technologies</p>
1909.80 MHz	<p>Agilent T Freq/Channel</p> <p>Ch Freq 1.9098 GHz Trig Free</p> <p>Center Freq 1.9098000 GHz</p> <p>Start Freq 1.9093000 GHz</p> <p>Stop Freq 1.9103000 GHz</p> <p>CF Step 100.000000 kHz Auto Man</p> <p>Freq Offset 0.0000000 Hz</p> <p>Signal Track On Off</p> <p>Ref 30 dBm Atten 30 dB</p> <p>#Peak Log 10 dB/Offst 13.8 dB</p> <p>Center 1.909 800 GHz Span 1 MHz</p> <p>#Res BW 10 kHz #VBW 30 kHz Sweep 9.56 ms (601 pts)</p> <p>Occupied Bandwidth 252.8467 kHz Occ BW % Pwr 99.00 % x dB -26.00 dB</p> <p>Transmit Freq Error -1.137 kHz</p> <p>x dB Bandwidth 318.993 kHz</p> <p>Copyright 2000-2005 Agilent Technologies</p>

Mode 5: WCDMA Band II Link Mode	
1850.20 MHz	<p>Agilent R T Freq/Channel</p> <p>Ch Freq 1.8524 GHz Trig Free</p> <p>Center Freq 1.85240000 GHz</p> <p>Start Freq 1.84740000 GHz</p> <p>Stop Freq 1.85740000 GHz</p> <p>CF Step 1.00000000 MHz Auto Man</p> <p>Freq Offset 0.00000000 Hz</p> <p>Signal Track On Off</p> <p>Ref 30 dBm Atten 30 dB</p> <p>#Peak Log 10 dB/Offst 13.8 dB</p> <p>Center 1.852 40 GHz Span 10 MHz</p> <p>#Res BW 100 kHz #VBW 300 kHz Sweep 1 ms (601 pts)</p> <p>Occupied Bandwidth 4.0557 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB</p> <p>Transmit Freq Error -1.029 kHz x dB Bandwidth 4.633 MHz</p> <p>Copyright 2000-2005 Agilent Technologies</p>
1880.00 MHz	<p>Agilent T Freq/Channel</p> <p>Ch Freq 1.88 GHz Trig Free</p> <p>Center Freq 1.88000000 GHz</p> <p>Start Freq 1.87500000 GHz</p> <p>Stop Freq 1.88500000 GHz</p> <p>CF Step 1.00000000 MHz Auto Man</p> <p>Freq Offset 0.00000000 Hz</p> <p>Signal Track On Off</p> <p>Ref 30 dBm Atten 30 dB</p> <p>#Peak Log 10 dB/Offst 13.8 dB</p> <p>Center 1.880 00 GHz Span 10 MHz</p> <p>#Res BW 100 kHz #VBW 300 kHz Sweep 1 ms (601 pts)</p> <p>Occupied Bandwidth 4.0817 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB</p> <p>Transmit Freq Error 6.978 kHz x dB Bandwidth 4.627 MHz</p> <p>Copyright 2000-2005 Agilent Technologies</p>
1909.80 MHz	<p>Agilent T Freq/Channel</p> <p>Ch Freq 1.9076 GHz Trig Free</p> <p>Center Freq 1.90760000 GHz</p> <p>Start Freq 1.90260000 GHz</p> <p>Stop Freq 1.91260000 GHz</p> <p>CF Step 1.00000000 MHz Auto Man</p> <p>Freq Offset 0.00000000 Hz</p> <p>Signal Track On Off</p> <p>Ref 30 dBm Atten 30 dB</p> <p>#Peak Log 10 dB/Offst 13.8 dB</p> <p>Center 1.907 60 GHz Span 10 MHz</p> <p>#Res BW 100 kHz #VBW 300 kHz Sweep 1 ms (601 pts)</p> <p>Occupied Bandwidth 4.0849 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB</p> <p>Transmit Freq Error -10.289 kHz x dB Bandwidth 4.669 MHz</p> <p>Copyright 2000-2005 Agilent Technologies</p>

Mode 6: WCDMA Band V Link Mode	
826.4 MHz	<p>Agilent T</p> <p>Ch Freq 826.4 MHz Trig Free</p> <p>Occupied Bandwidth</p> <p>Ref 30 dBm Atten 30 dB</p> <p>#Peak Log 10 dB/Offst 13.5 dB</p> <p>Center 826.40 MHz Span 10 MHz</p> <p>#Res BW 100 kHz #VBW 300 kHz Sweep 1 ms (601 pts)</p> <p>Occupied Bandwidth 4.0606 MHz</p> <p>Occ BW % Pwr 99.00 %</p> <p>x dB -26.00 dB</p> <p>Transmit Freq Error 88.765 Hz</p> <p>x dB Bandwidth 4.672 MHz</p> <p>Copyright 2000-2005 Agilent Technologies</p> <p>Freq/Channel</p> <p>Center Freq 826.400000 MHz</p> <p>Start Freq 821.400000 MHz</p> <p>Stop Freq 831.400000 MHz</p> <p>CF Step 1.00000000 MHz</p> <p>Auto Man</p> <p>Freq Offset 0.00000000 Hz</p> <p>Signal Track On Off</p>
836.6 MHz	<p>Agilent T</p> <p>Ch Freq 836.6 MHz Trig Free</p> <p>Occupied Bandwidth</p> <p>Ref 30 dBm Atten 30 dB</p> <p>#Peak Log 10 dB/Offst 13.5 dB</p> <p>Center 836.60 MHz Span 10 MHz</p> <p>#Res BW 100 kHz #VBW 300 kHz Sweep 1 ms (601 pts)</p> <p>Occupied Bandwidth 4.0752 MHz</p> <p>Occ BW % Pwr 99.00 %</p> <p>x dB -26.00 dB</p> <p>Transmit Freq Error -3.711 kHz</p> <p>x dB Bandwidth 4.673 MHz</p> <p>Copyright 2000-2005 Agilent Technologies</p> <p>Freq/Channel</p> <p>Center Freq 836.600000 MHz</p> <p>Start Freq 831.600000 MHz</p> <p>Stop Freq 841.600000 MHz</p> <p>CF Step 1.00000000 MHz</p> <p>Auto Man</p> <p>Freq Offset 0.00000000 Hz</p> <p>Signal Track On Off</p>
846.6 MHz	<p>Agilent T</p> <p>Ch Freq 846.6 MHz Trig Free</p> <p>Occupied Bandwidth</p> <p>Ref 30 dBm Atten 30 dB</p> <p>#Peak Log 10 dB/Offst 13.5 dB</p> <p>Center 846.60 MHz Span 10 MHz</p> <p>#Res BW 100 kHz #VBW 300 kHz Sweep 1 ms (601 pts)</p> <p>Occupied Bandwidth 4.0957 MHz</p> <p>Occ BW % Pwr 99.00 %</p> <p>x dB -26.00 dB</p> <p>Transmit Freq Error -888.688 Hz</p> <p>x dB Bandwidth 4.688 MHz</p> <p>Copyright 2000-2005 Agilent Technologies</p> <p>Freq/Channel</p> <p>Center Freq 846.600000 MHz</p> <p>Start Freq 841.600000 MHz</p> <p>Stop Freq 851.600000 MHz</p> <p>CF Step 1.00000000 MHz</p> <p>Auto Man</p> <p>Freq Offset 0.00000000 Hz</p> <p>Signal Track On Off</p>

6 Band Edge Test

6.1. Limit

The Band Edge Limit:

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10\log(P)$ dB.

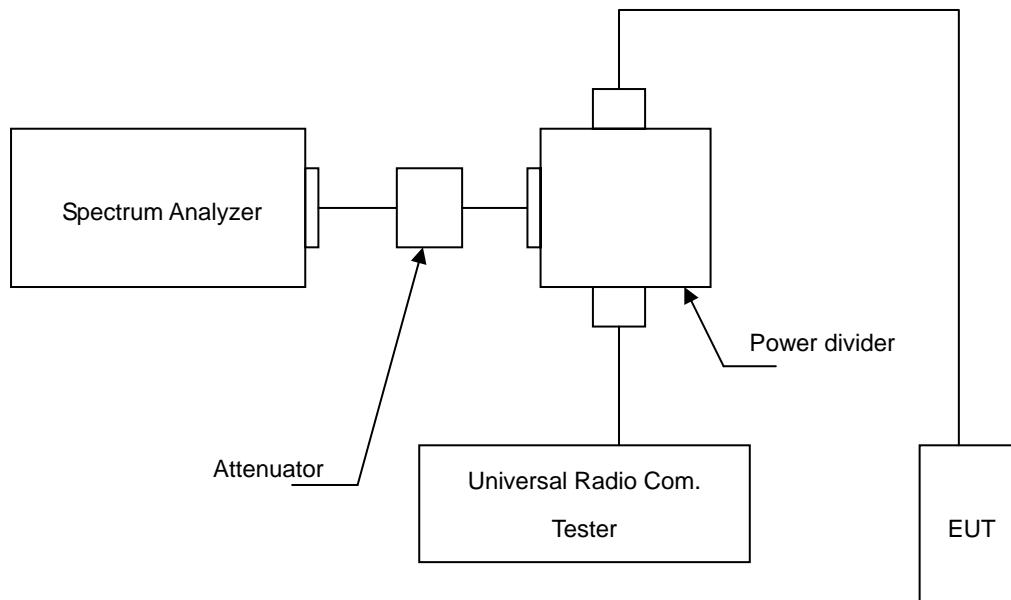
6.2. Test Instruments

Equipment	Manufacturer	Model Number	Serial Number	Cal. Date	Remark
Universal Radio Communication Tester	R & S	CMU200	109369	08/07/2012	(2)
Spectrum Analyzer	Agilent	E4445A	MY46181986	05/10/2014	(1)
Attenuator	RADIALL	R41572000	0603033073	N.C.R.	-----
Power Divider	Agilent	87302C	3239A00760	N.C.R.	-----
Test Site	ATL	TE05	TE05	N.C.R.	-----

Remark: ⁽¹⁾ Calibration period 1 year. ⁽²⁾ Calibration period 2 years.

Note: N.C.R. = No Calibration Request.

6.3. Setup



6.4. Test Procedure

The measurement is made according to FCC rules part 22 and 24:

1. The EUT was connected to Spectrum Analyzer and Base Station via Power Divider.
2. The band edge of low and high channels for the highest RF powers within the transmitting frequency band were measured. Setting RBW as roughly BW/100.
3. The band edge setting:
 - a. RB=10 kHz; VB=30 kHz for GSM 850 and PCS 1900.
 - b. RB=100 kHz; VB=300 kHz for WCDMA Band V and WCDMA Band II.

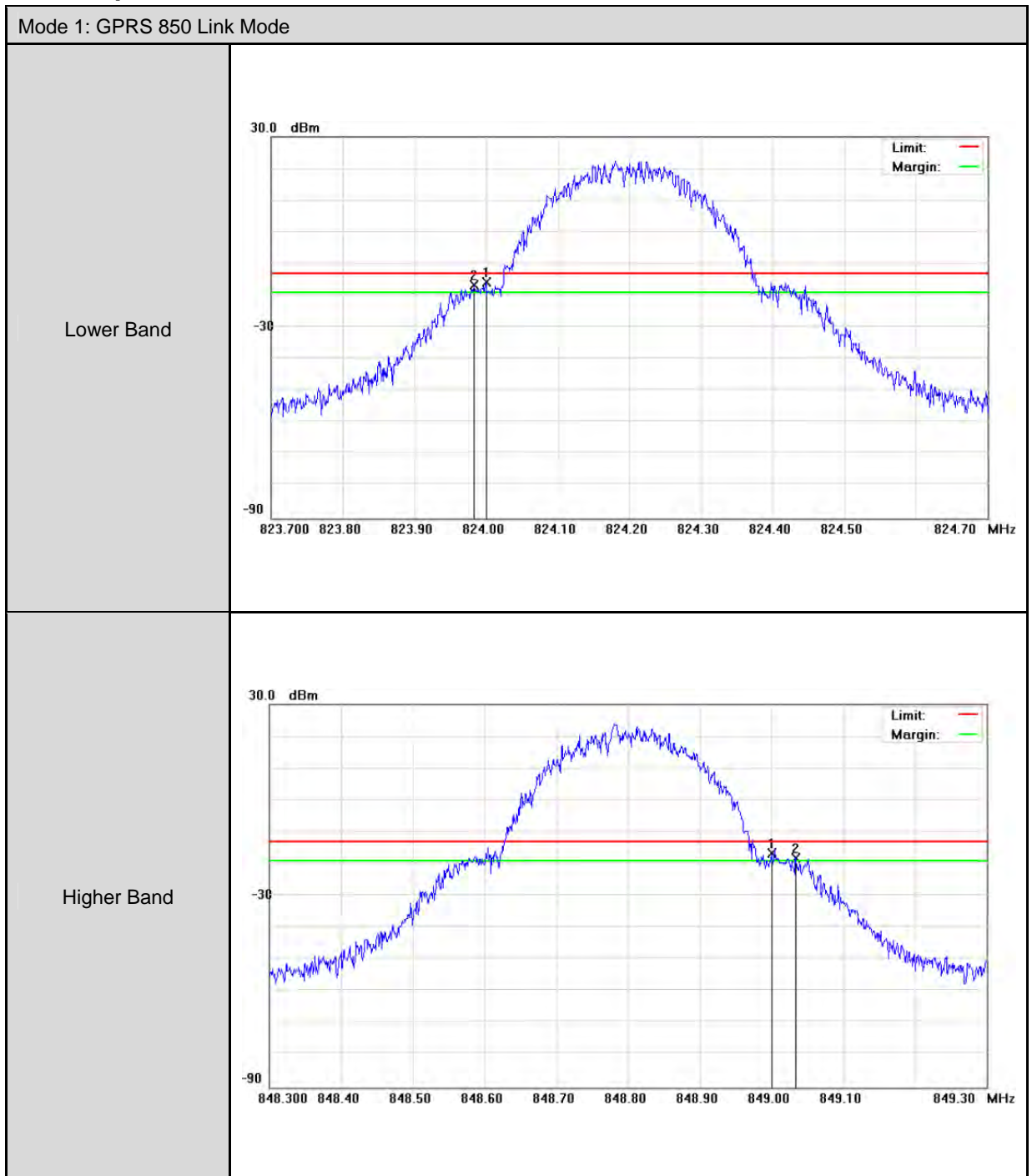
6.5. Uncertainty

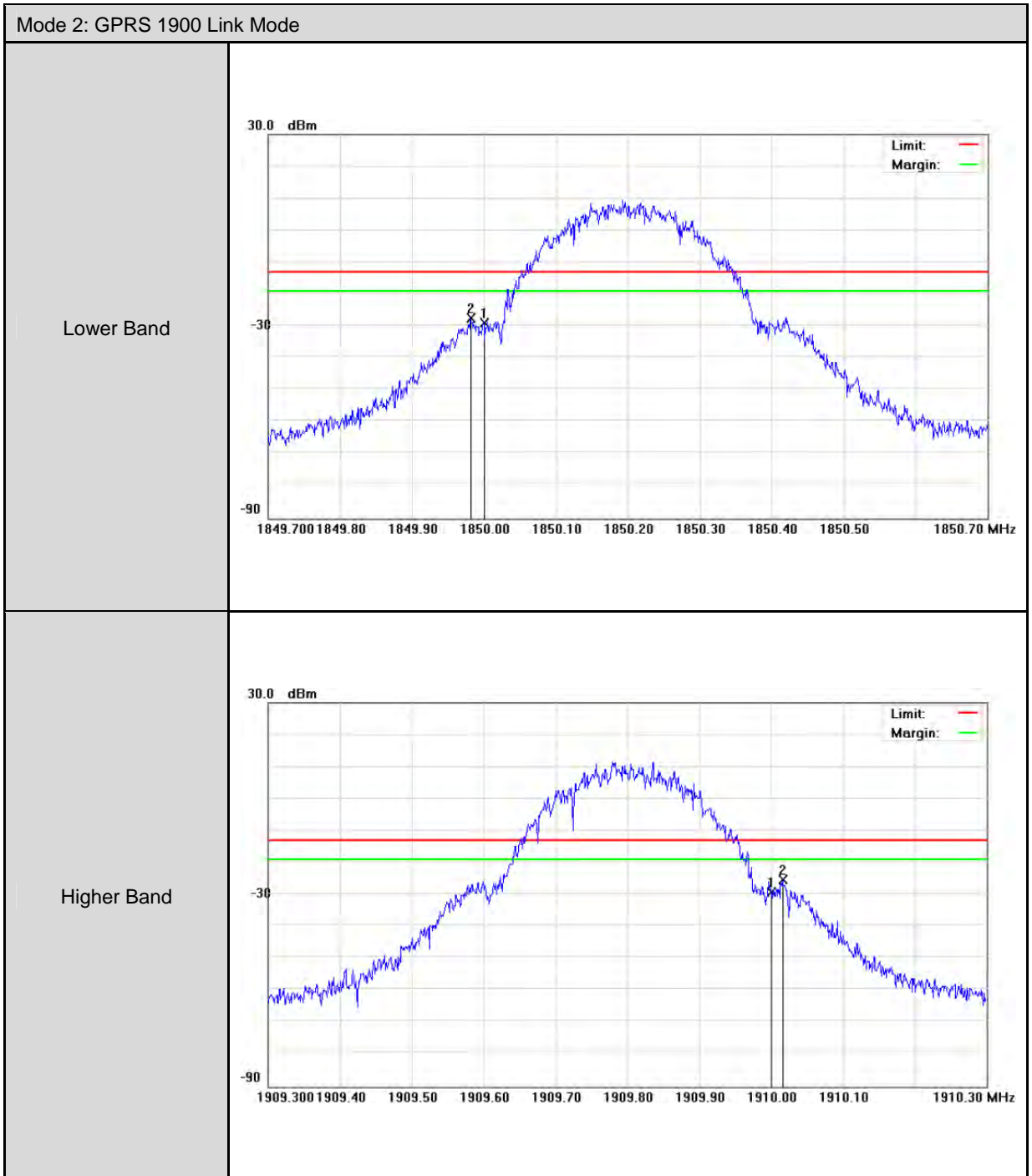
The measurement uncertainty is defined as $\pm 10\text{Hz}$

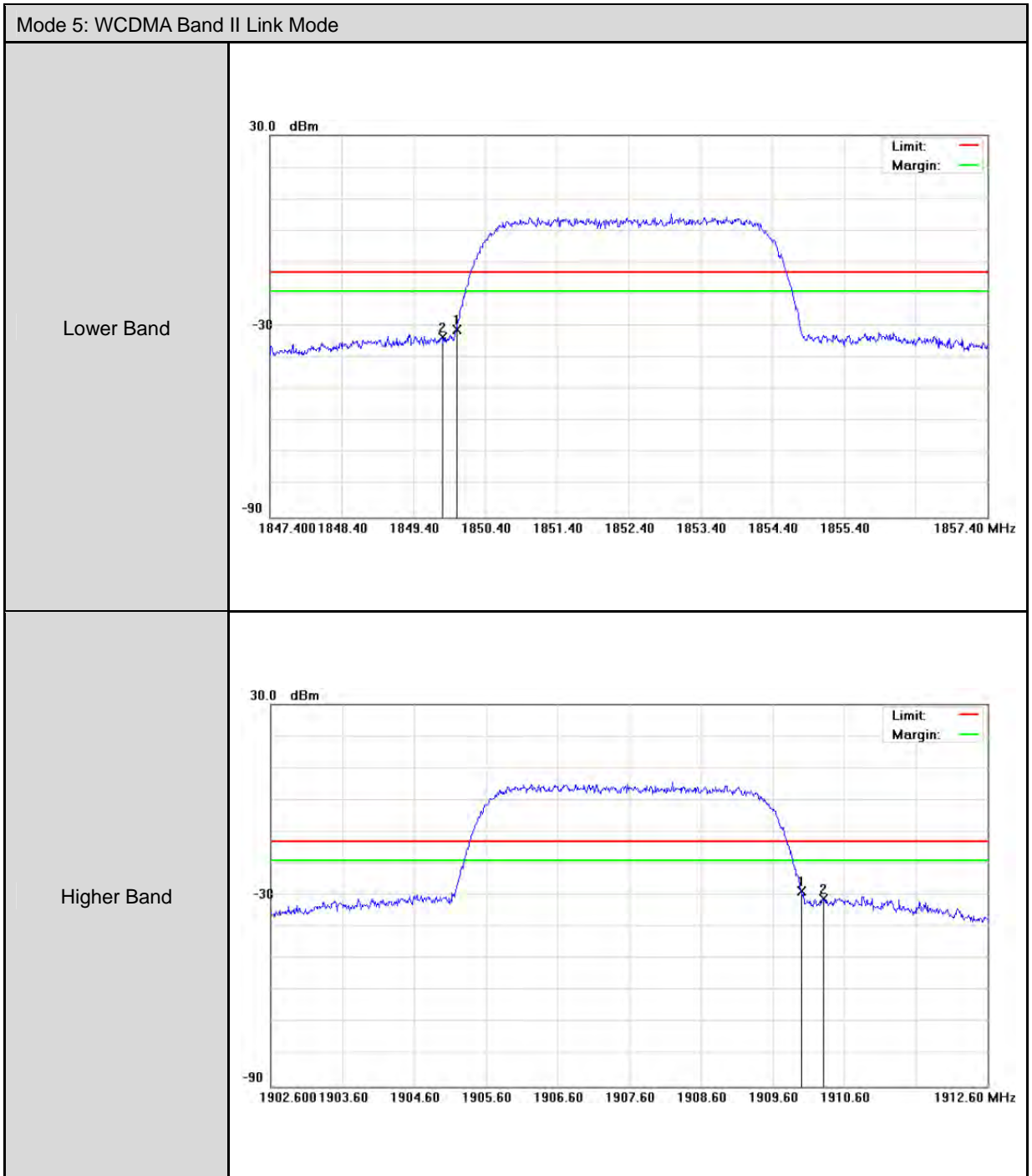
6.6. Test Result

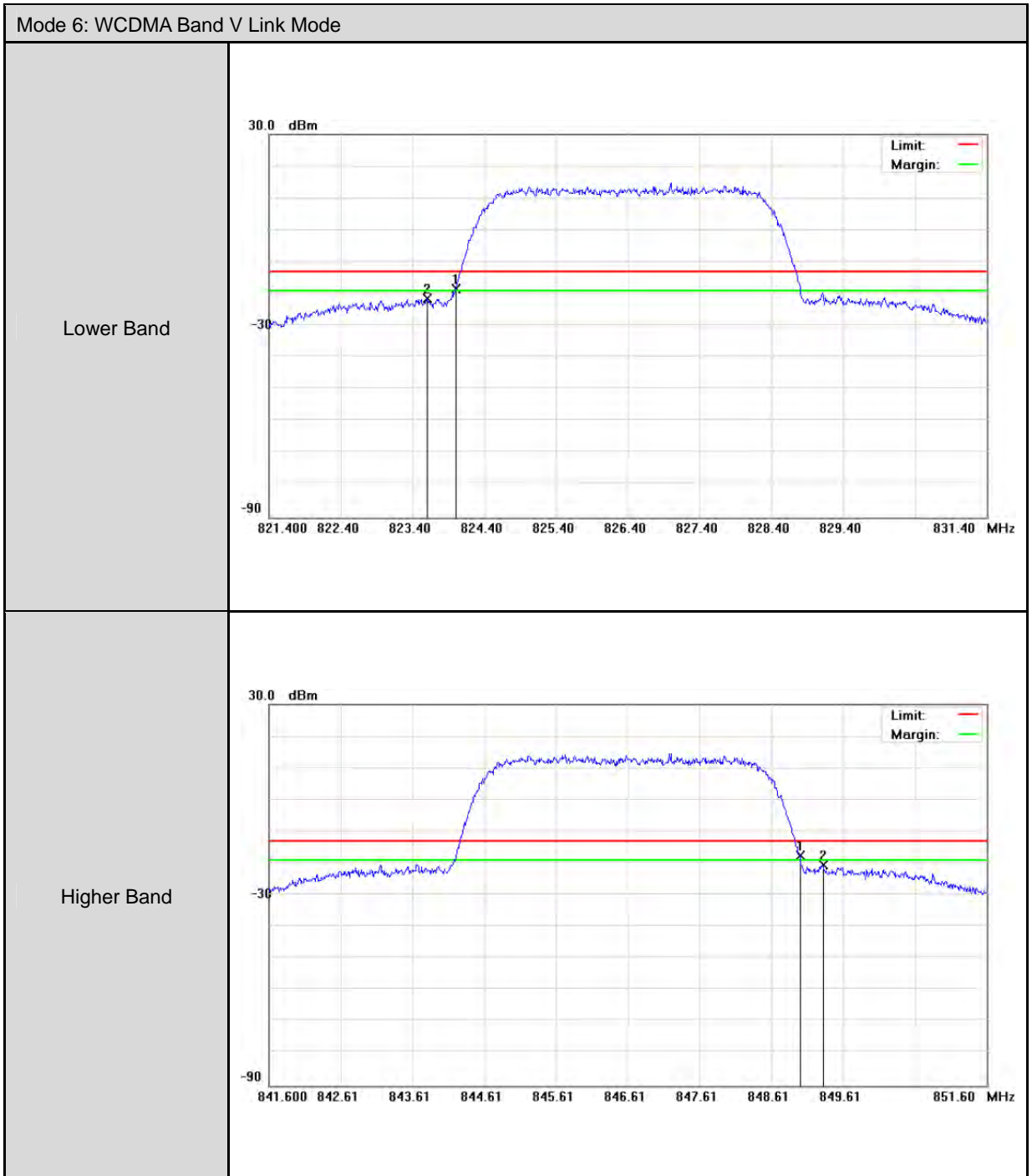
Model Number		VT6081				
Test Item		Band Edge				
Date of Test		05/28/2014			Test Site	TE05
Bands		Channel	Frequency (MHz)	Bandwidth (dBm)	Limit (dBm)	Result
GPRS 850	Lower	128	824.0000	-15.75	-13	Pass
	Higher	251	849.0000	-16.76	-13	Pass
GPRS 1900	Lower	512	1850.000	-27.59	-13	Pass
	Higher	810	1910.000	-25.33	-13	Pass
WCDMA Band II	Lower	9262	1850.000	-31.11	-13	Pass
	Higher	9538	1910.000	-28.66	-13	Pass
WCDMA Band V	Lower	4132	824.0000	-18.44	-13	Pass
	Higher	4233	849.0000	-17.55	-13	Pass

6.7. Test Graphs









7 Conducted Spurious Emission Test

7.1. Limit

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10\log(P)$ dB.

7.2. Test Instruments

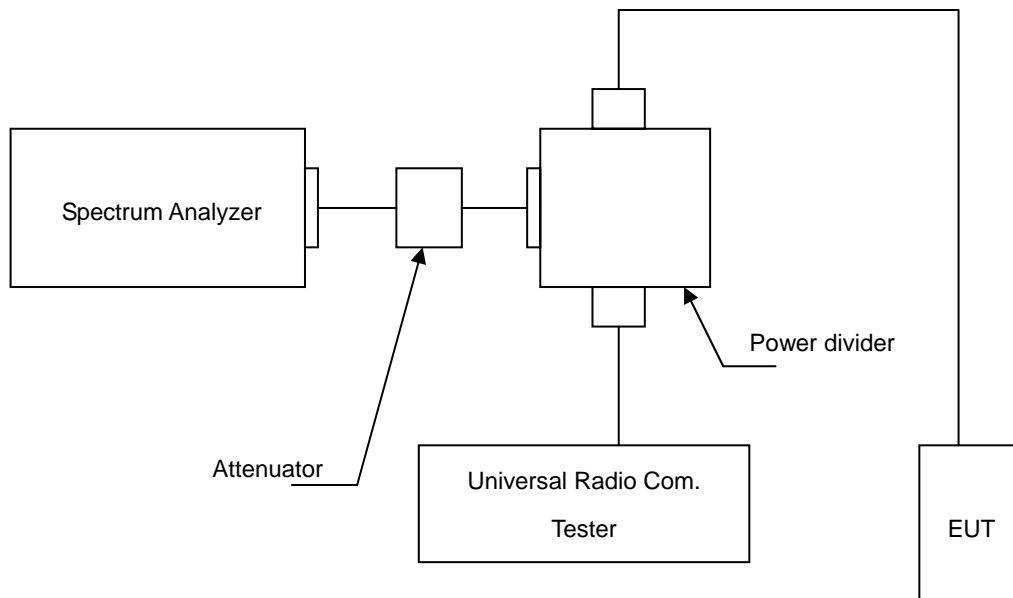
Equipment	Manufacturer	Model Number	Serial Number	Cal. Date	Remark
Universal Radio Communication Tester	R & S	CMU200	109369	08/07/2012	(2)
Spectrum Analyzer	Agilent	E4445A	MY46181986	05/10/2014	(1)
Attenuator	RADIALL	R41572000	0603033073	N.C.R.	-----
Power Divider	Agilent	87302C	3239A00760	N.C.R.	-----
Test Site	ATL	TE05	TE05	N.C.R.	-----

Remark: ⁽¹⁾ Calibration period 1 year. ⁽²⁾ Calibration period 2 years.

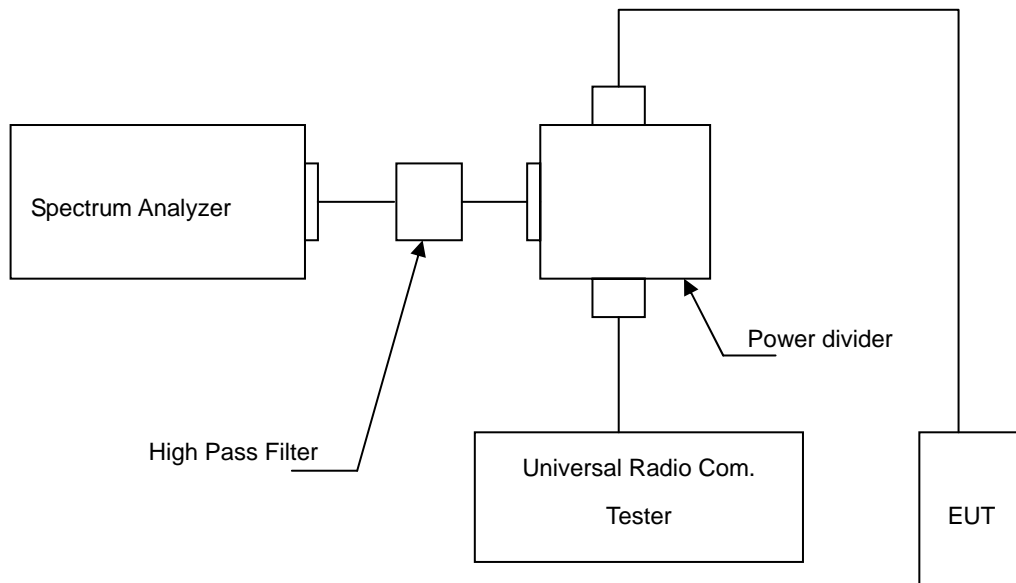
Note: N.C.R. = No Calibration Request.

7.3. Setup

Below 2.8GHz



Above 2.8GHz



7.4. Test Procedure

1. The EUT was connected to Spectrum Analyzer and Base Station via Power Divider.
2. The middle channel for the highest RF power within the transmitting frequency was measured.
3. The conducted spurious emission for the whole frequency range was taken.
4. Test setting at GSM 850 RB>100 kHz, VB>100 kHz; PCS 1900 RB>1MHz, VB>1MHz.

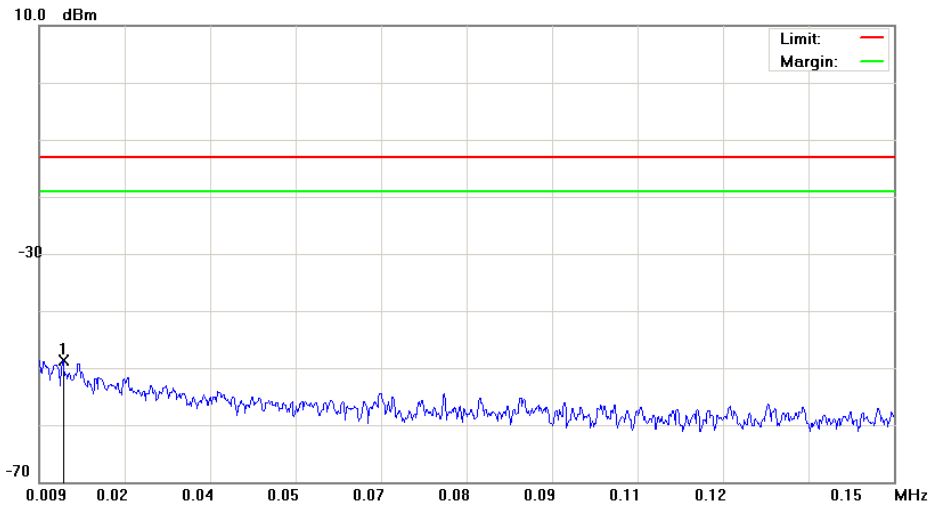
7.5. Uncertainty

The measurement uncertainty is evaluated as ± 2.24 dB.

7.6. Test Result

Model Number	VT6081		
Test Item	Conducted Spurious Emission		
Test Mode	Mode 1 / Mode 2 / Mode 4 / Mode 5		
Date of Test	05/28/2014	Test Site	TE05

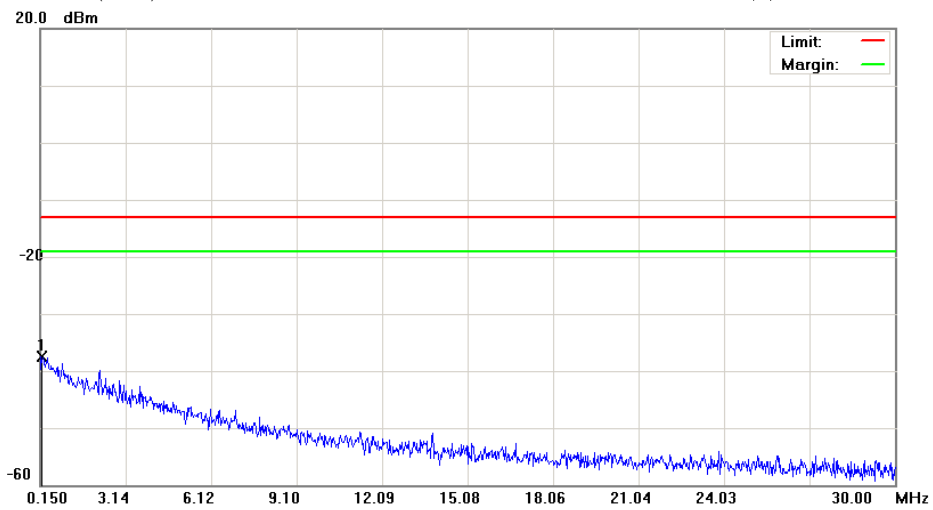
File :VT6081(CH128) Data :#1 Date: 2014/5/28 Time: 下午 09:35:38



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	Comment
		MHz	dBm	dB	dBm	dBm	dB	cm	degree	
1	*	0.0130	-79.31	30.56	-48.75	-13.00	-35.75	peak		

*:Maximum data x:Over limit !:over margin

File :VT6081(CH128) Data :#2 Date: 2014/5/28 Time: 下午 09:36:02

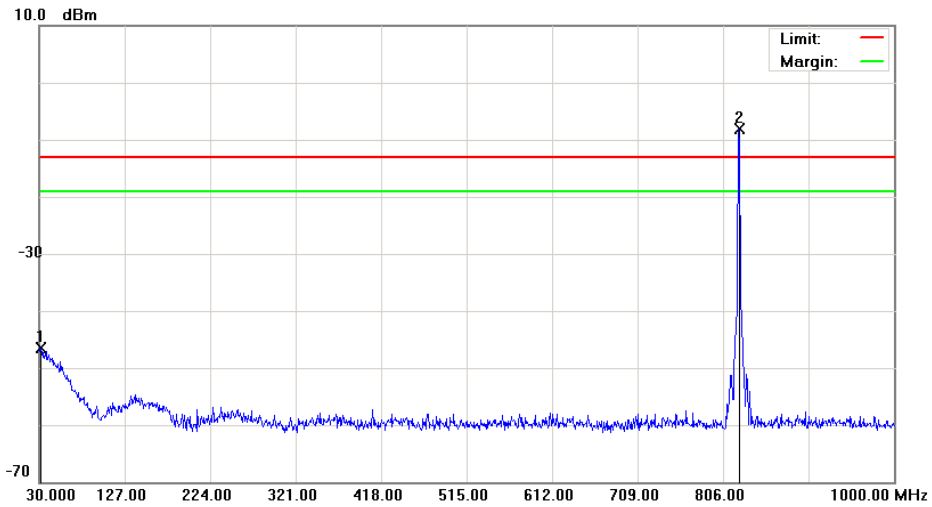


Site: site #1	Polarization: Conducted Power	Temperature: 26 °C
Limit: FCC Part 22 conducted(9k-12.75G)	Power: AC 120V/60Hz	Humidity: 55 %
EUT: 10.1" Tablet	Distance:	RBW: 10 KHz VBW: 30 KHz
M/N: VT6081		
Mode: GPRS 850		
Note:		

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	Detector	Comment
		MHz	dBm	dB	dBm	dBm	dB	cm	degree		
1	*	0.1948	-68.28	30.88	-37.40	-13.00	-24.40			peak	

*:Maximum data x:Over limit !:over margin

File :VT6081(CH128) Data :#3 Date: 2014/5/28 Time: 下午 09:36:27

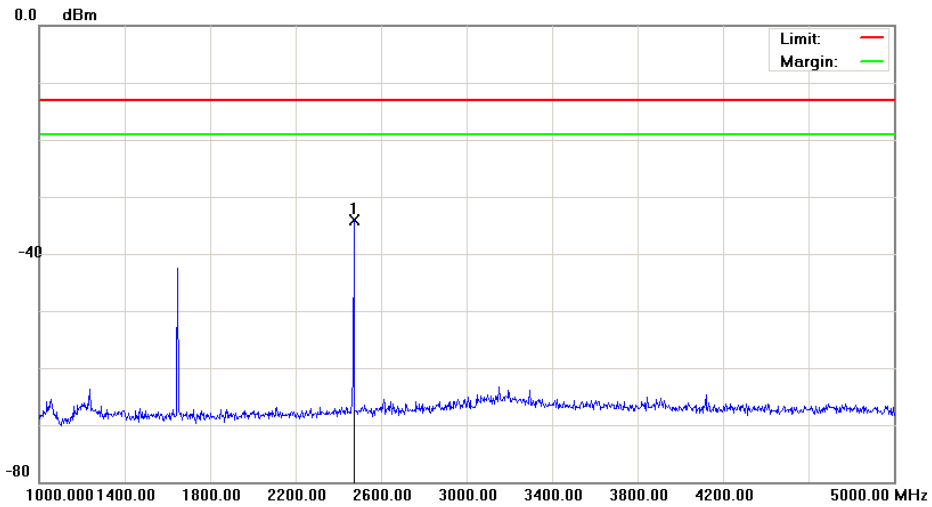


Site: site #1	Polarization: Conducted Power	Temperature: 26 °C
Limit: FCC Part 22 conducted(9k-12.75G)	Power: AC 120V/60Hz	Humidity: 55 %
EUT: 10.1" Tablet	Distance:	RBW: 100 KHz VBW: 300 KHz
M/N: VT6081		
Mode: GPRS 850		
Note:		

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	Comment
		MHz	dBm	dB	dBm	dBm	dB	cm	degree	
1		31.9400	-63.41	16.99	-46.42	-13.00	-33.42	peak		
2	*	823.9450	-11.91	3.83	-8.08	-13.00	4.92	peak		Tx

*:Maximum data x:Over limit !:over margin

File :VT6081(CH128) Data :#4 Date: 2014/5/28 Time: 下午 10:09:09

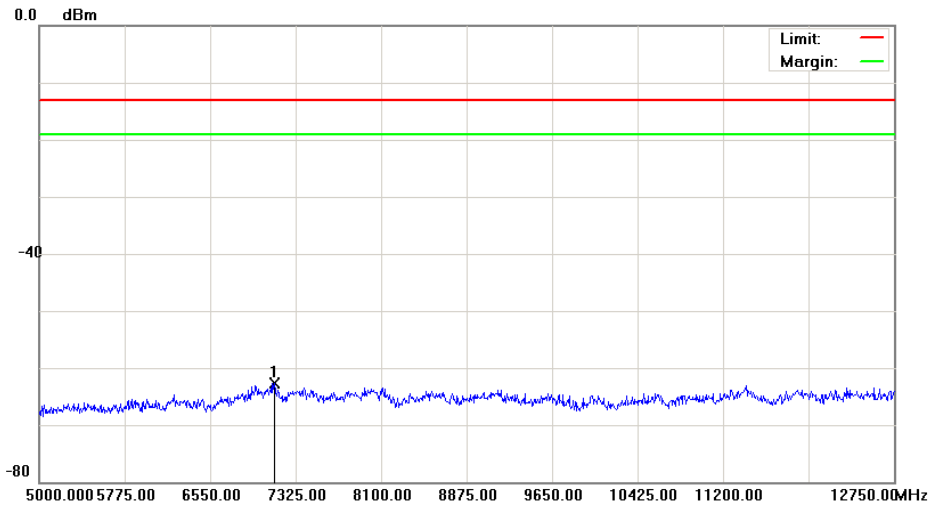


Site: site #1	Polarization: Conducted Power	Temperature: 26 °C
Limit: FCC Part 22 conducted(9k-12.75G)	Power: AC 120V/60Hz	Humidity: 55 %
EUT: 10.1" Tablet	Distance:	RBW: 1000 KHz VBW: 3000 KHz
M/N: VT6081		
Mode: GPRS 850		
Note:		

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	cm	degree	Comment
1	*	2472.000	-38.64	4.45	-34.19	-13.00	-21.19	peak		

*:Maximum data x:Over limit !:over margin

File :VT6081(CH128) Data :#5 Date: 2014/5/28 Time: 下午 10:09:33

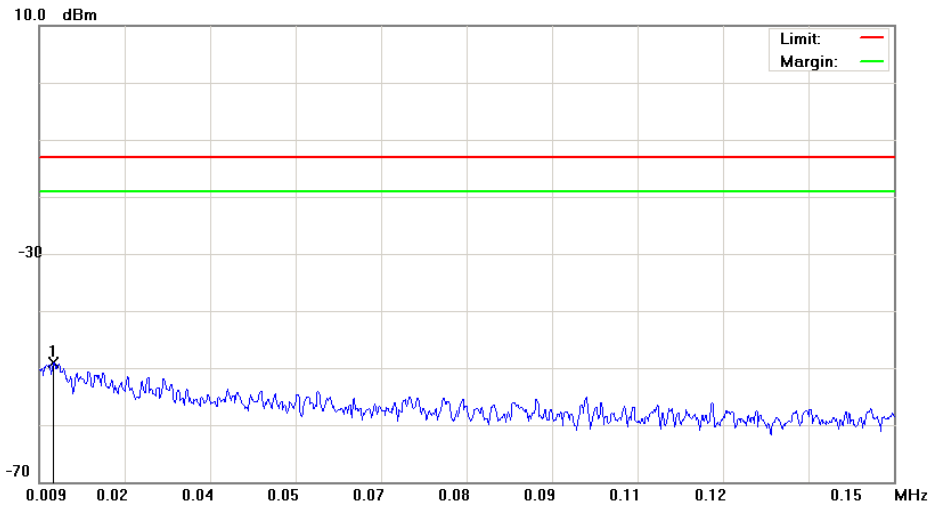


Site: site #1	Polarization: Conducted Power	Temperature: 26 °C
Limit: FCC Part 22 conducted(9k-12.75G)	Power: AC 120V/60Hz	Humidity: 55 %
EUT: 10.1" Tablet	Distance:	RBW: 1000 KHz VBW: 3000 KHz
M/N: VT6081		
Mode: GPRS 850		
Note:		

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	cm	degree	Comment
1	*	7131.250	-67.91	5.21	-62.70	-13.00	-49.70	peak		

*:Maximum data x:Over limit !:over margin

File :VT6081(CH190) Data :#1 Date: 2014/5/28 Time: 下午 09:38:31

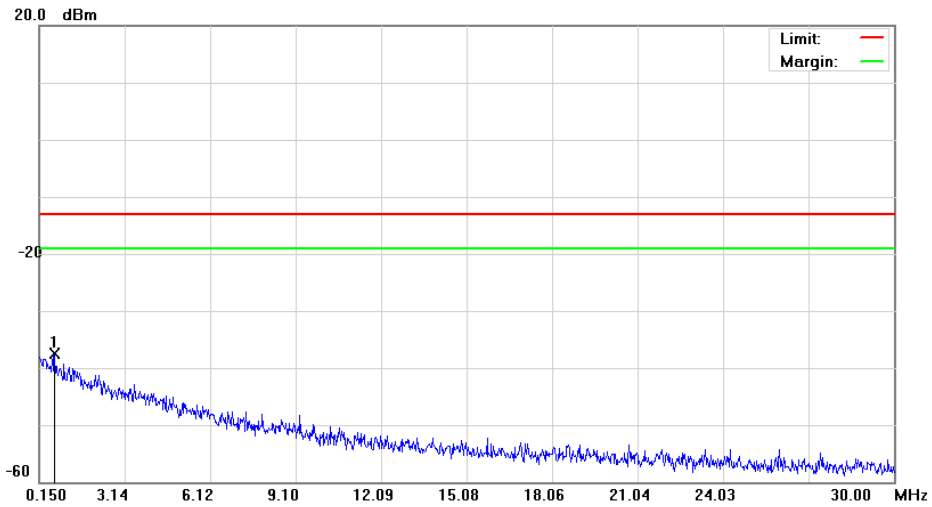


Site: site #1	Polarization: Conducted Power	Temperature: 26 °C
Limit: FCC Part 22 conducted(9k-12.75G)	Power: AC 120V/60Hz	Humidity: 55 %
EUT: 10.1" Tablet	Distance:	RBW: 1 KHz VBW: 3 KHz
M/N: VT6081		
Mode: GPRS 850		
Note:		

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	cm	degree	Comment
1	*	0.0114	-79.67	30.57	-49.10	-13.00	-36.10	peak		

*:Maximum data x:Over limit !:over margin

File :VT6081(CH190) Data :#2 Date: 2014/5/28 Time: 下午 09:38:55

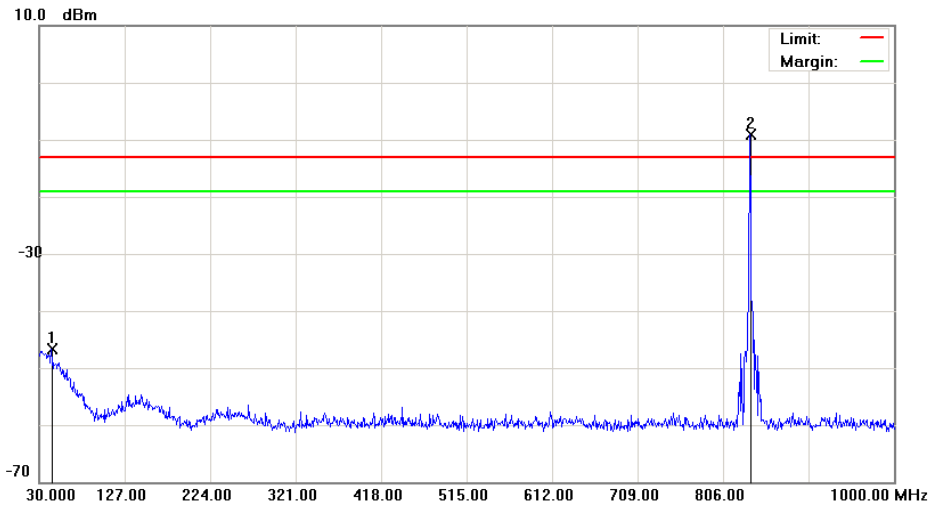


Site: site #1	Polarization: Conducted Power	Temperature: 26 °C
Limit: FCC Part 22 conducted(9k-12.75G)	Power: AC 120V/60Hz	Humidity: 55 %
EUT: 10.1" Tablet	Distance:	RBW: 10 KHz VBW: 30 KHz
M/N: VT6081		
Mode: GPRS 850		
Note:		

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	Comment
		MHz	dBm	dB	dBm	dBm	dB	cm	degree	
1	*	0.6724	-69.42	31.88	-37.54	-13.00	-24.54	peak		

*:Maximum data x:Over limit !:over margin

File :VT6081(CH190) Data :#3 Date: 2014/5/28 Time: 下午 09:39:19

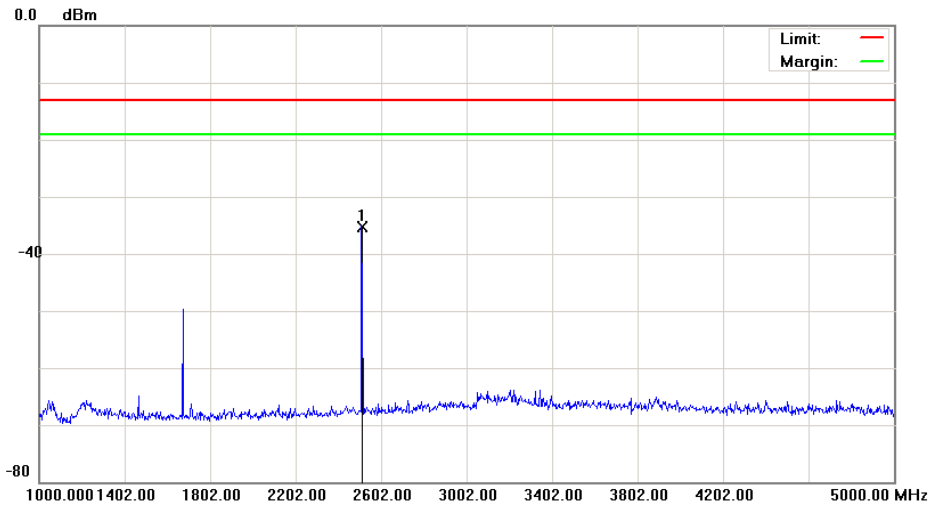


Site: site #1	Polarization: Conducted Power	Temperature: 26 °C
Limit: FCC Part 22 conducted(9k-12.75G)	Power: AC 120V/60Hz	Humidity: 55 %
EUT: 10.1" Tablet	Distance:	RBW: 100 KHz VBW: 300 KHz
M/N: VT6081		
Mode: GPRS 850		
Note:		

No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Over dB	Antenna Height cm	Table Degree	Comment
1		44.0650	-62.29	15.62	-46.67	-13.00	-33.67	peak		
2	*	836.5550	-13.08	3.96	-9.12	-13.00	3.88	peak		Tx

*:Maximum data x:Over limit !:over margin

File :VT6081(CH190) Data :#4 Date: 2014/5/28 Time: 下午 10:10:06

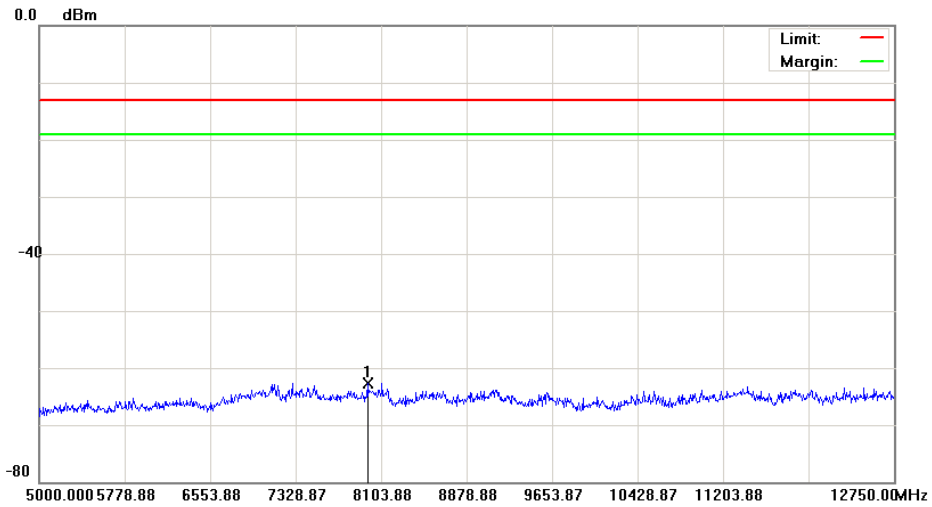


Site: site #1	Polarization: Conducted Power	Temperature: 26 °C
Limit: FCC Part 22 conducted(9k-12.75G)	Power: AC 120V/60Hz	Humidity: 55 %
EUT: 10.1" Tablet	Distance:	RBW: 1000 KHz VBW: 3000 KHz
M/N: VT6081		
Mode: GPRS 850		
Note:		

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	cm	degree	Comment
1	*	2510.000	-39.56	4.36	-35.20	-13.00	-22.20	peak		

*:Maximum data x:Over limit !:over margin

File :VT6081(CH190) Data :#5 Date: 2014/5/28 Time: 下午 10:10:30

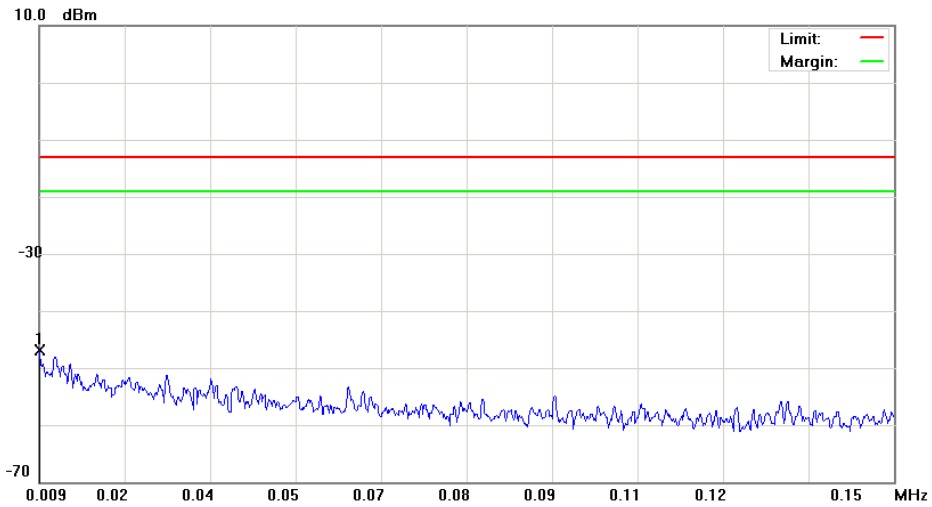


Site: site #1	Polarization: Conducted Power	Temperature: 26 °C
Limit: FCC Part 22 conducted(9k-12.75G)	Power: AC 120V/60Hz	Humidity: 55 %
EUT: 10.1" Tablet	Distance:	RBW: 1000 KHz VBW: 3000 KHz
M/N: VT6081		
Mode: GPRS 850		
Note:		

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	cm	degree	Comment
1	*	7976.000	-67.92	5.30	-62.62	-13.00	-49.62	peak		

*:Maximum data x:Over limit !:over margin

File :VT6081(CH251) Data :#1 Date: 2014/5/28 Time: 下午 09:40:44

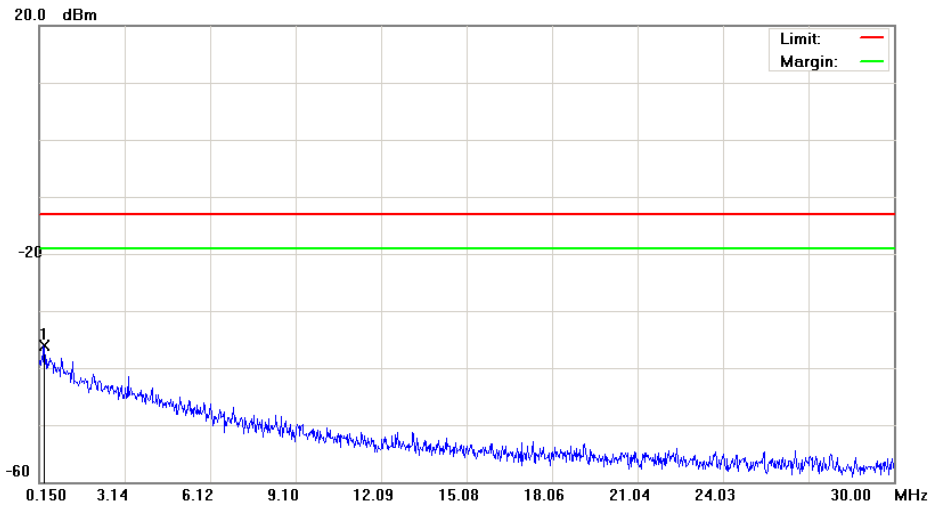


Site: site #1	Polarization: Conducted Power	Temperature: 26 °C
Limit: FCC Part 22 conducted(9k-12.75G)	Power: AC 120V/60Hz	Humidity: 55 %
EUT: 10.1" Tablet	Distance:	RBW: 1 KHz VBW: 3 KHz
M/N: VT6081		
Mode: GPRS 850		
Note:		

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	cm	degree	Comment
1	*	0.0090	-77.40	30.58	-46.82	-13.00	-33.82	peak		

*:Maximum data x:Over limit !:over margin

File :VT6081(CH251) Data :#2 Date: 2014/5/28 Time: 下午 09:41:08

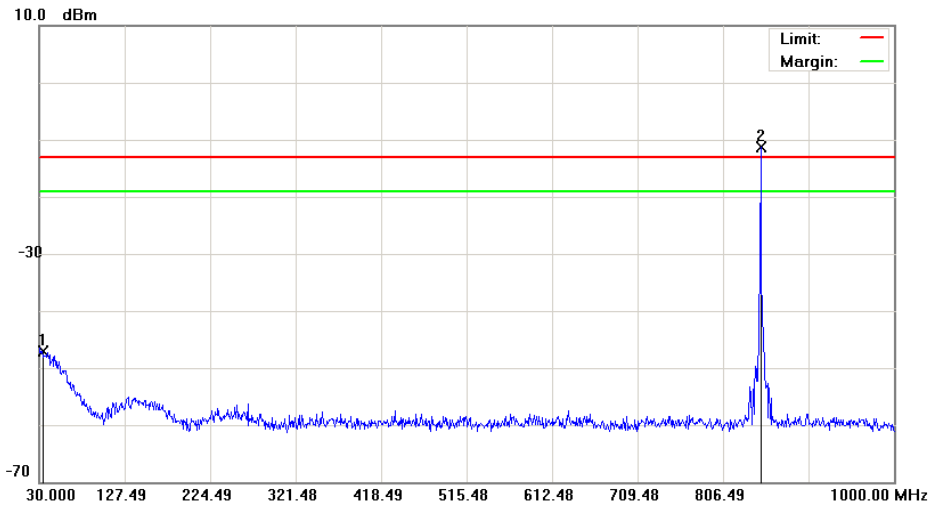


Site: site #1	Polarization: Conducted Power	Temperature: 26 °C
Limit: FCC Part 22 conducted(9k-12.75G)	Power: AC 120V/60Hz	Humidity: 55 %
EUT: 10.1" Tablet	Distance:	RBW: 10 KHz VBW: 30 KHz
M/N: VT6081		
Mode: GPRS 850		
Note:		

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	Detector	Comment
		MHz	dBm	dB	dBm	dBm	dB	cm	degree		
1	*	0.3141	-67.93	31.82	-36.11	-13.00	-23.11			peak	

*:Maximum data x:Over limit !:over margin

File :VT6081(CH251) Data :#3 Date: 2014/5/28 Time: 下午 09:41:32

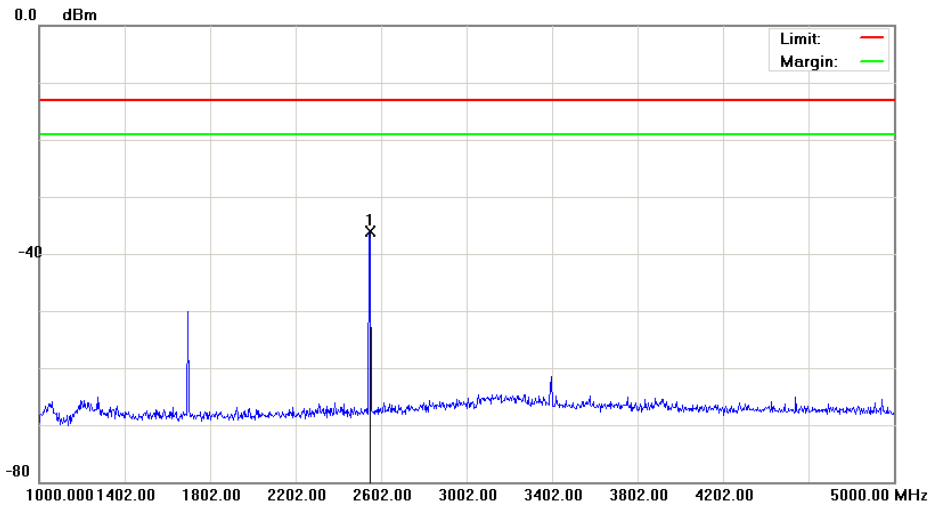


Site: site #1	Polarization: Conducted Power	Temperature: 26 °C
Limit: FCC Part 22 conducted(9k-12.75G)	Power: AC 120V/60Hz	Humidity: 55 %
EUT: 10.1" Tablet	Distance:	RBW: 100 KHz VBW: 300 KHz
M/N: VT6081		
Mode: GPRS 850		
Note:		

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	cm	degree	Comment
1		33.3950	-63.95	16.83	-47.12	-13.00	-34.12	peak		
2	*	848.6800	-15.18	3.98	-11.20	-13.00	1.80	peak		Tx

*:Maximum data x:Over limit !:over margin

File :VT6081(CH251) Data :#4 Date: 2014/5/28 Time: 下午 10:11:03

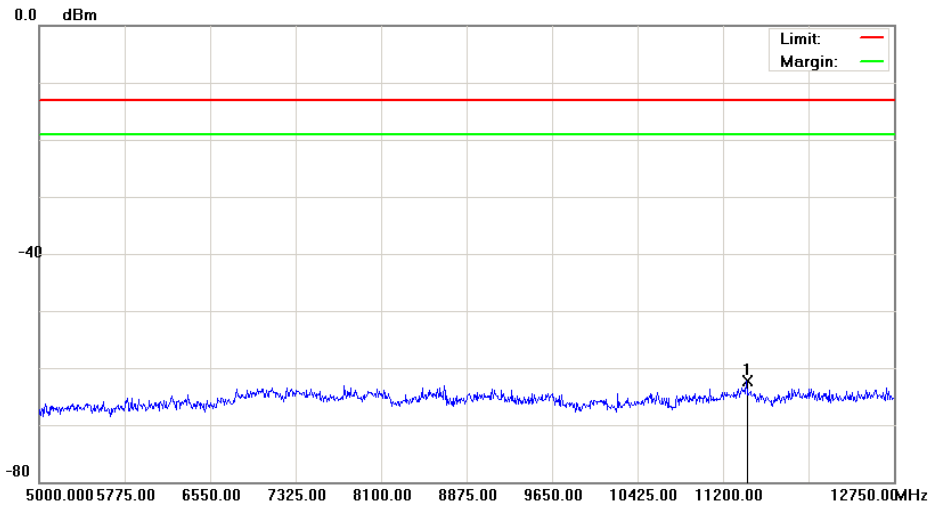


Site: site #1	Polarization: Conducted Power	Temperature: 26 °C
Limit: FCC Part 22 conducted(9k-12.75G)	Power: AC 120V/60Hz	Humidity: 55 %
EUT: 10.1" Tablet	Distance:	RBW: 1000 KHz VBW: 3000 KHz
M/N: VT6081		
Mode: GPRS 850		
Note:		

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	cm	degree	Comment
1	*	2546.000	-40.50	4.45	-36.05	-13.00	-23.05	peak		

*:Maximum data x:Over limit !:over margin

File :VT6081(CH251) Data :#5 Date: 2014/5/28 Time: 下午 10:11:26

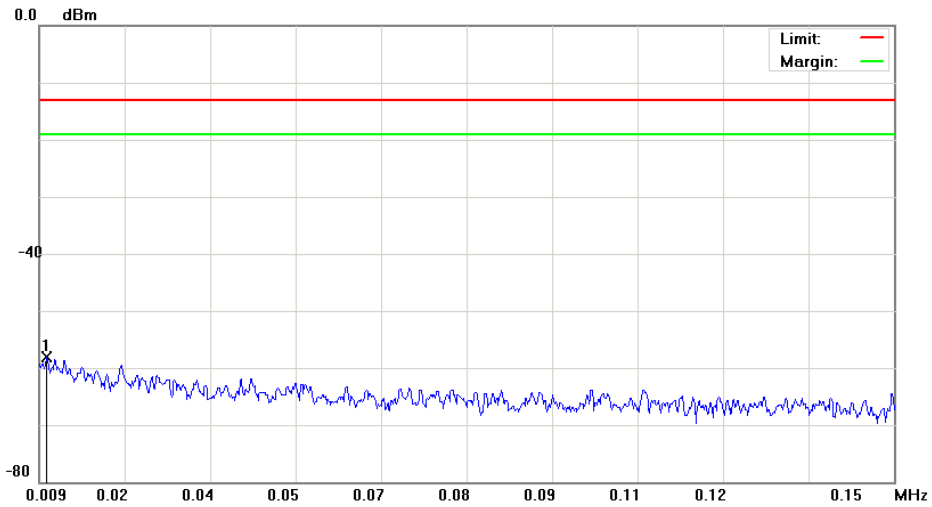


Site: site #1	Polarization: Conducted Power	Temperature: 26 °C
Limit: FCC Part 22 conducted(9k-12.75G)	Power: AC 120V/60Hz	Humidity: 55 %
EUT: 10.1" Tablet	Distance:	RBW: 1000 KHz VBW: 3000 KHz
M/N: VT6081		
Mode: GPRS 850		
Note:		

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	cm	degree	Comment
1	*	11413.125	-67.91	5.57	-62.34	-13.00	-49.34	peak		

*:Maximum data x:Over limit !:over margin

File :VT6081(CH512) Data :#1 Date: 2014/5/28 Time: 下午 09:47:47

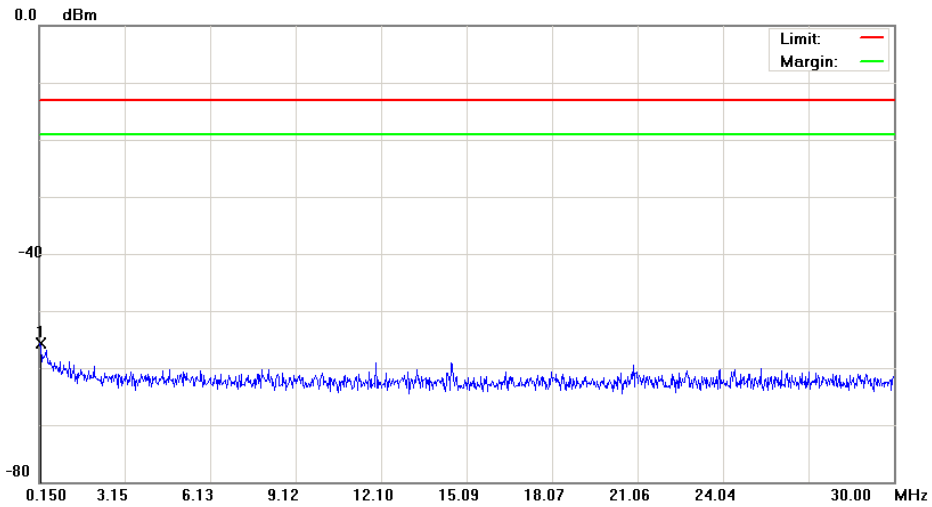


Site: site #1	Polarization: Conducted Power	Temperature: 26 °C
Limit: FCC Part 24 conducted(9k-26.5G)	Power: AC 120V/60Hz	Humidity: 55 %
EUT: 10.1" Tablet	Distance:	RBW: 1 KHz VBW: 3 KHz
M/N: VT6081		
Mode: GPRS 1900		
Note:		

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	Detector	Comment
		MHz	dBm	dB	dBm	dBm	dB	cm	degree		
1	*	0.0103	-69.48	11.34	-58.14	-13.00	-45.14			peak	

*:Maximum data x:Over limit !:over margin

File :VT6081(CH512) Data :#2 Date: 2014/5/28 Time: 下午 09:48:11

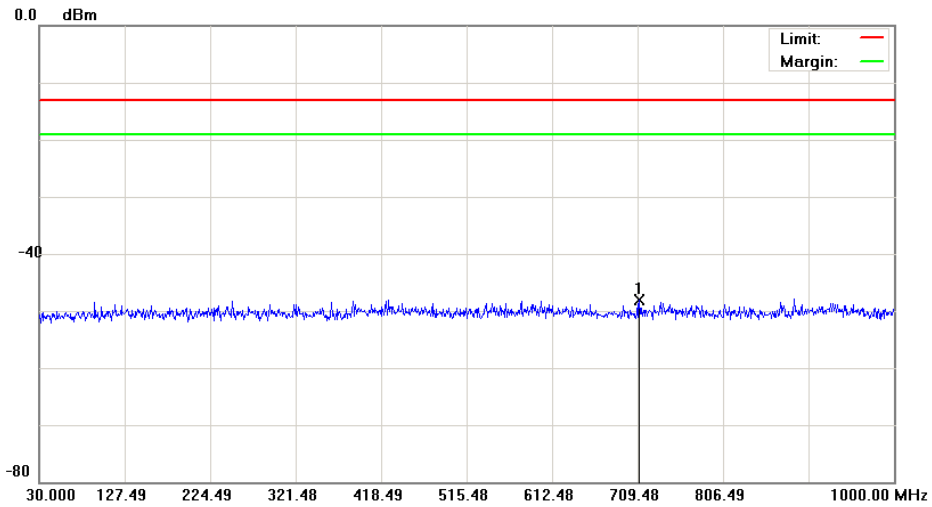


Site: site #1	Polarization: Conducted Power	Temperature: 26 °C
Limit: FCC Part 24 conducted(9k-26.5G)	Power: AC 120V/60Hz	Humidity: 55 %
EUT: 10.1" Tablet	Distance:	RBW: 10 KHz VBW: 30 KHz
M/N: VT6081		
Mode: GPRS 1900		
Note:		

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree		
		MHz	dBm	dB	dBm	dBm	dB	Detector	cm	degree	Comment
1	*	0.1948	-68.08	12.45	-55.63	-13.00	-42.63	peak			

*:Maximum data x:Over limit !:over margin

File :VT6081(CH512) Data :#3 Date: 2014/5/28 Time: 下午 09:48:36

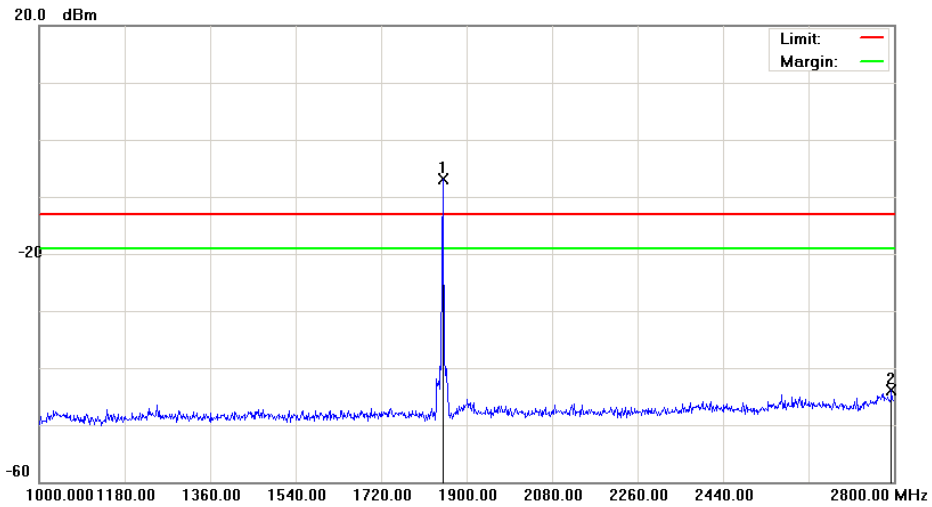


Site: site #1	Polarization: Conducted Power	Temperature: 26 °C
Limit: FCC Part 24 conducted(9k-26.5G)	Power: AC 120V/60Hz	Humidity: 55 %
EUT: 10.1" Tablet	Distance:	RBW: 100 KHz VBW: 300 KHz
M/N: VT6081		
Mode: GPRS 1900		
Note:		

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	cm	degree	Comment
1	*	710.9400	-61.20	13.13	-48.07	-13.00	-35.07	peak		

*:Maximum data x:Over limit !:over margin

File :VT6081(CH512) Data :#4 Date: 2014/5/28 Time: 下午 09:54:13

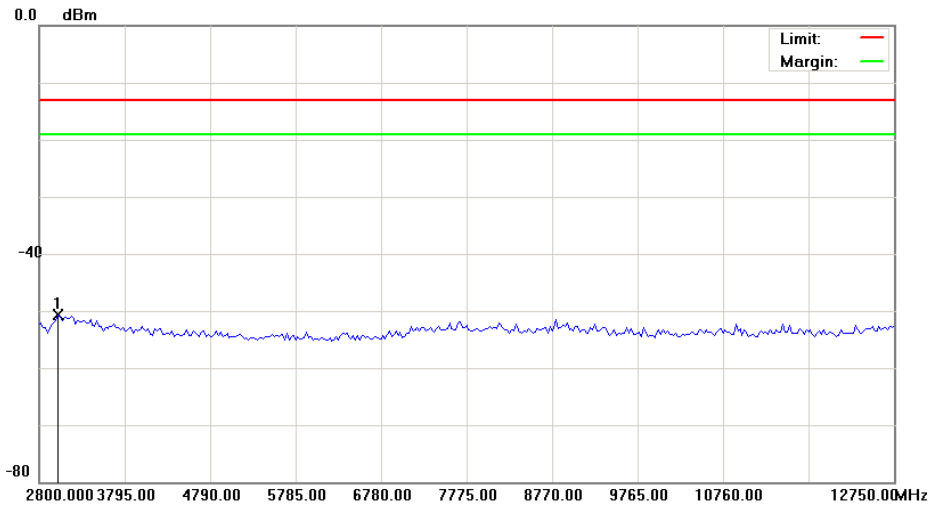


Site: site #1	Polarization: Conducted Power	Temperature: 26 °C
Limit: FCC Part 24 conducted(9k-26.5G)	Power: AC 120V/60Hz	Humidity: 55 %
EUT: 10.1" Tablet	Distance:	RBW: 1000 KHz VBW: 3000 KHz
M/N: VT6081		
Mode: GPRS 1900		
Note:		

No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Over dB	Antenna Height cm	Table Degree	Comment
1	*	1850.500	-11.22	4.26	-6.96	-13.00	6.04	peak		Tx
2		2794.600	-49.76	5.90	-43.86	-13.00	-30.86	peak		

*:Maximum data x:Over limit !:over margin

File :VT6081(CH512) Data :#5 Date: 2014/5/28 Time: 下午 10:28:13

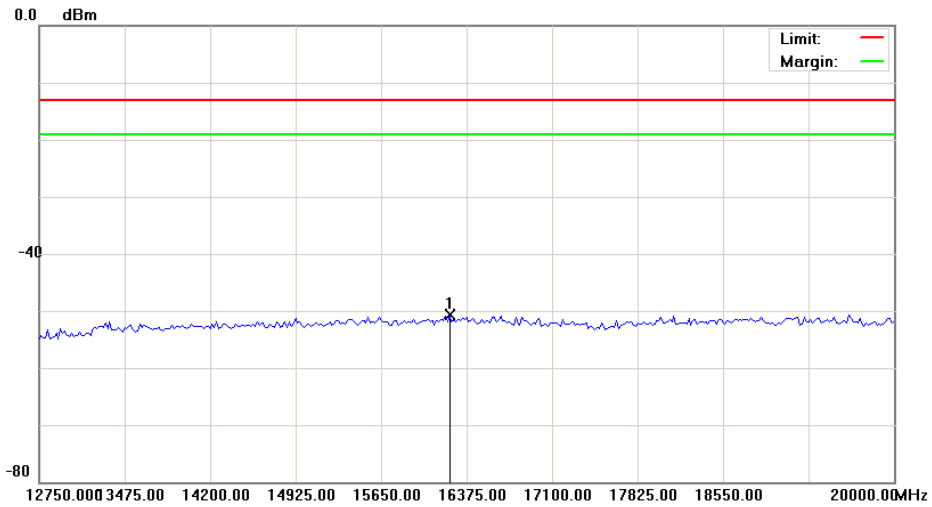


Site: site #1	Polarization: Conducted Power	Temperature: 26 °C
Limit: FCC Part 24 conducted(9k-26.5G)	Power: AC 120V/60Hz	Humidity: 55 %
EUT: 10.1" Tablet	Distance:	RBW: 1000 KHz VBW: 3000 KHz
M/N: VT6081		
Mode: GPRS 1900		
Note:		

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	Detector	Comment
		MHz	dBm	dB	dBm	dBm	dB	cm	degree		
1	*	3023.875	-56.17	5.48	-50.69	-13.00	-37.69			peak	

*:Maximum data x:Over limit !:over margin

File :VT6081(CH512) Data :#6 Date: 2014/5/28 Time: 下午 10:28:34

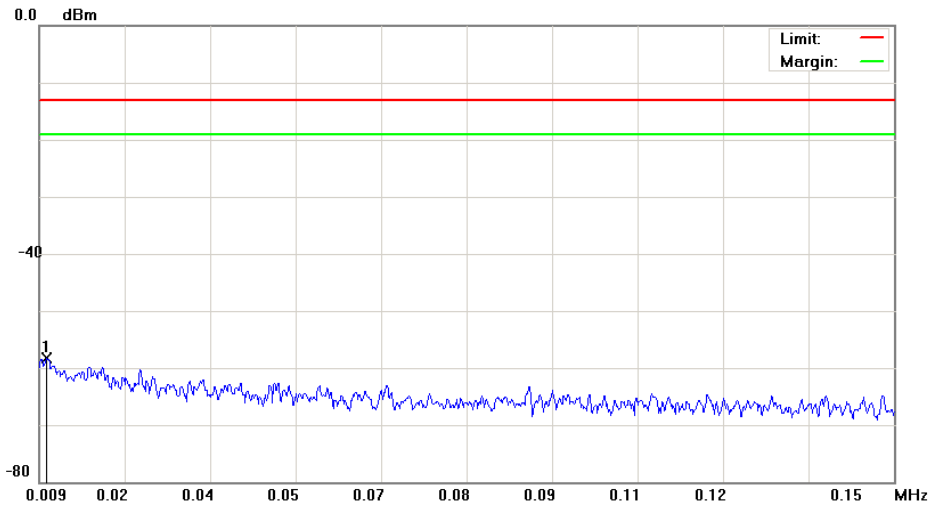


Site: site #1	Polarization: Conducted Power	Temperature: 26 °C
Limit: FCC Part 24 conducted(9k-26.5G)	Power: AC 120V/60Hz	Humidity: 55 %
EUT: 10.1" Tablet	Distance:	RBW: 1000 KHz VBW: 3000 KHz
M/N: VT6081		
Mode: GPRS 1900		
Note:		

No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Over dB	Antenna Height cm	Table Degree	Comment
1	*	16230.000	-57.04	6.36	-50.68	-13.00	-37.68	peak		

*:Maximum data x:Over limit !:over margin

File :VT6081(CH661) Data :#1 Date: 2014/5/28 Time: 下午 09:50:03

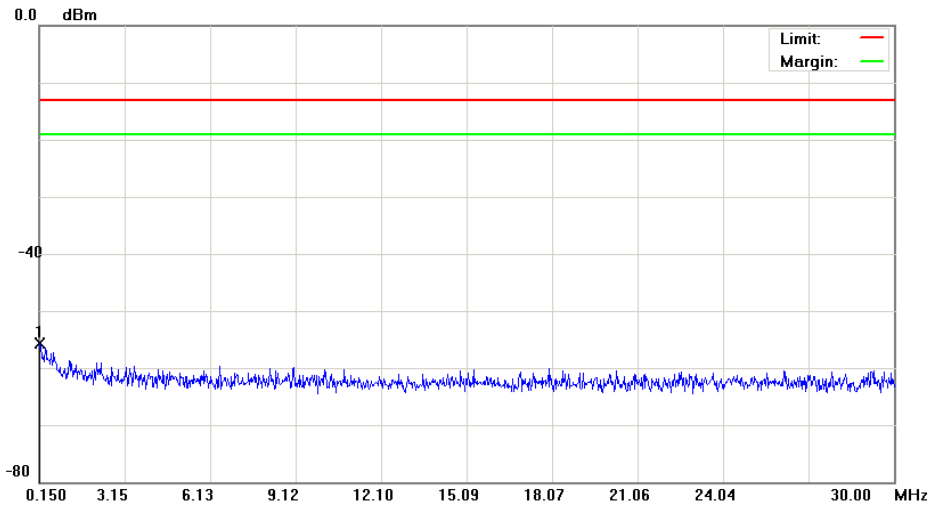


Site: site #1	Polarization: Conducted Power	Temperature: 26 °C
Limit: FCC Part 24 conducted(9k-26.5G)	Power: AC 120V/60Hz	Humidity: 55 %
EUT: 10.1" Tablet	Distance:	RBW: 1 KHz VBW: 3 KHz
M/N: VT6081		
Mode: GPRS 1900		
Note:		

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	cm	degree	Comment
1	*	0.0103	-69.54	11.34	-58.20	-13.00	-45.20	peak		

*:Maximum data x:Over limit !:over margin

File :VT6081(CH661) Data :#2 Date: 2014/5/28 Time: 下午 09:50:28

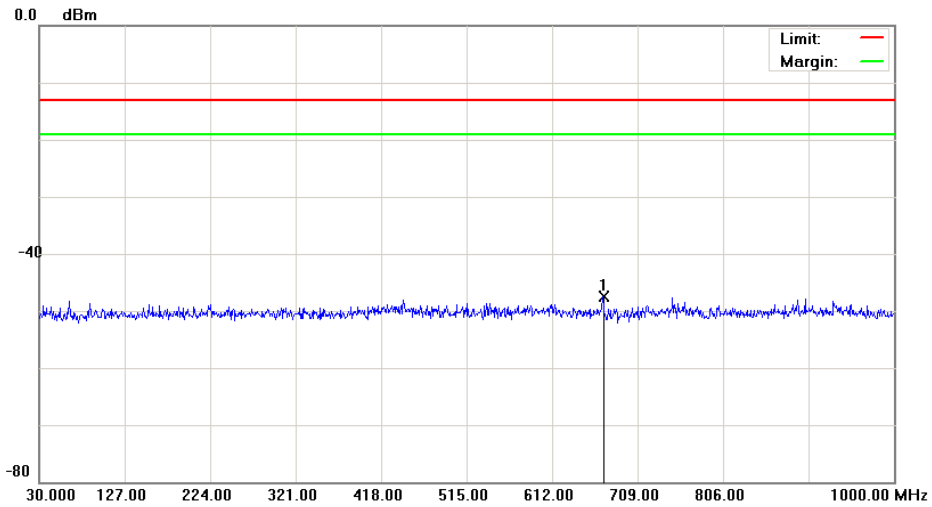


Site: site #1	Polarization: Conducted Power	Temperature: 26 °C
Limit: FCC Part 24 conducted(9k-26.5G)	Power: AC 120V/60Hz	Humidity: 55 %
EUT: 10.1" Tablet	Distance:	RBW: 10 KHz VBW: 30 KHz
M/N: VT6081		
Mode: GPRS 1900		
Note:		

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	cm	degree	Comment
1	*	0.1650	-68.10	12.46	-55.64	-13.00	-42.64	peak		

*:Maximum data x:Over limit !:over margin

File :VT6081(CH661) Data :#3 Date: 2014/5/28 Time: 下午 09:50:52

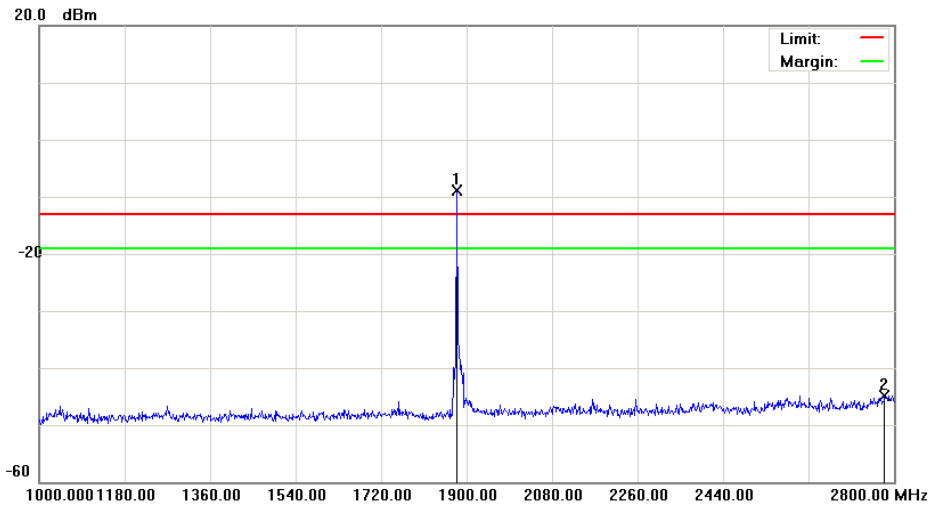


Site: site #1	Polarization: Conducted Power	Temperature: 26 °C
Limit: FCC Part 24 conducted(9k-26.5G)	Power: AC 120V/60Hz	Humidity: 55 %
EUT: 10.1" Tablet	Distance:	RBW: 100 KHz VBW: 300 KHz
M/N: VT6081		
Mode: GPRS 1900		
Note:		

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	Comment
		MHz	dBm	dB	dBm	dBm	dB	cm	degree	
1	*	669.7150	-60.64	13.11	-47.53	-13.00	-34.53	peak		

*:Maximum data x:Over limit !:over margin

File :VT6081(CH661) Data :#4 Date: 2014/5/28 Time: 下午 09:55:36

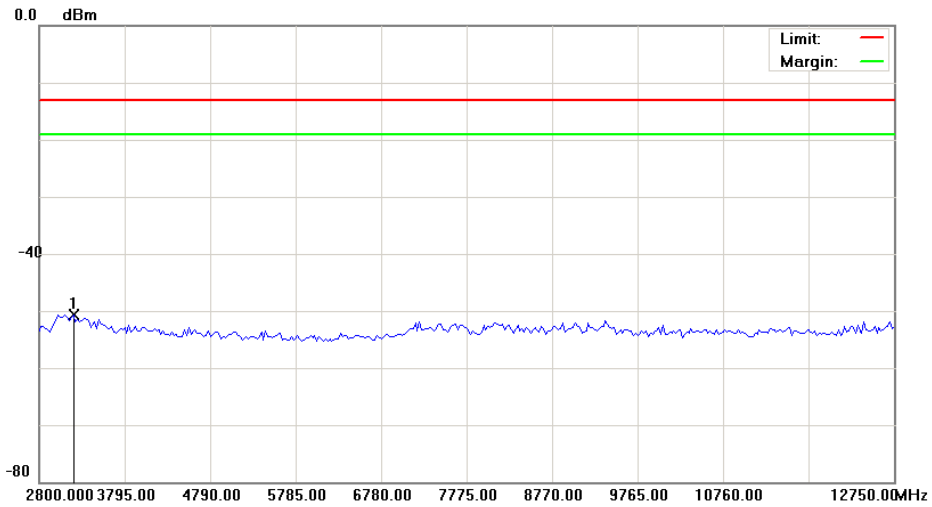


Site: site #1	Polarization: Conducted Power	Temperature: 26 °C
Limit: FCC Part 24 conducted(9k-26.5G)	Power: AC 120V/60Hz	Humidity: 55 %
EUT: 10.1" Tablet	Distance:	RBW: 1000 KHz VBW: 3000 KHz
M/N: VT6081		
Mode: GPRS 1900		
Note:		

No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Over dB	Antenna Height cm	Table Degree	Comment
1	*	1880.200	-13.46	4.65	-8.81	-13.00	4.19	peak		Tx
2		2780.200	-50.77	5.88	-44.89	-13.00	-31.89	peak		

*:Maximum data x:Over limit !:over margin

File :VT6081(CH661) Data :#5 Date: 2014/5/28 Time: 下午 10:29:34

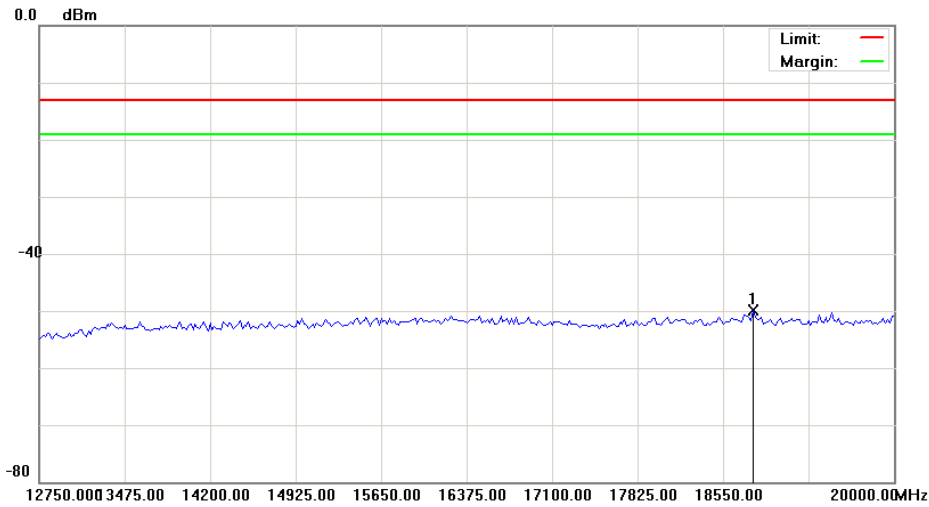


Site: site #1	Polarization: Conducted Power	Temperature: 26 °C
Limit: FCC Part 24 conducted(9k-26.5G)	Power: AC 120V/60Hz	Humidity: 55 %
EUT: 10.1" Tablet	Distance:	RBW: 1000 KHz VBW: 3000 KHz
M/N: VT6081		
Mode: GPRS 1900		
Note:		

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	cm	degree	Comment
1	*	3198.000	-55.87	5.22	-50.65	-13.00	-37.65	peak		

*:Maximum data x:Over limit !:over margin

File :VT6081(CH661) Data :#6 Date: 2014/5/28 Time: 下午 10:29:54

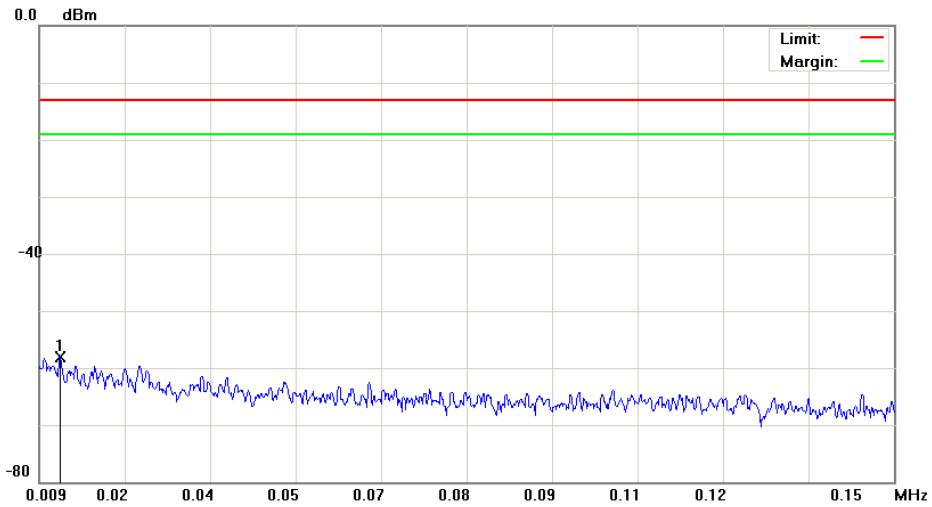


Site: site #1	Polarization: Conducted Power	Temperature: 26 °C
Limit: FCC Part 24 conducted(9k-26.5G)	Power: AC 120V/60Hz	Humidity: 55 %
EUT: 10.1" Tablet	Distance:	RBW: 1000 KHz VBW: 3000 KHz
M/N: VT6081		
Mode: GPRS 1900		
Note:		

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	cm	degree	Comment
1	*	18803.750	-56.91	7.10	-49.81	-13.00	-36.81	peak		

*:Maximum data x:Over limit !:over margin

File :VT6081(CH810) Data :#1 Date: 2014/5/28 Time: 下午 09:52:03

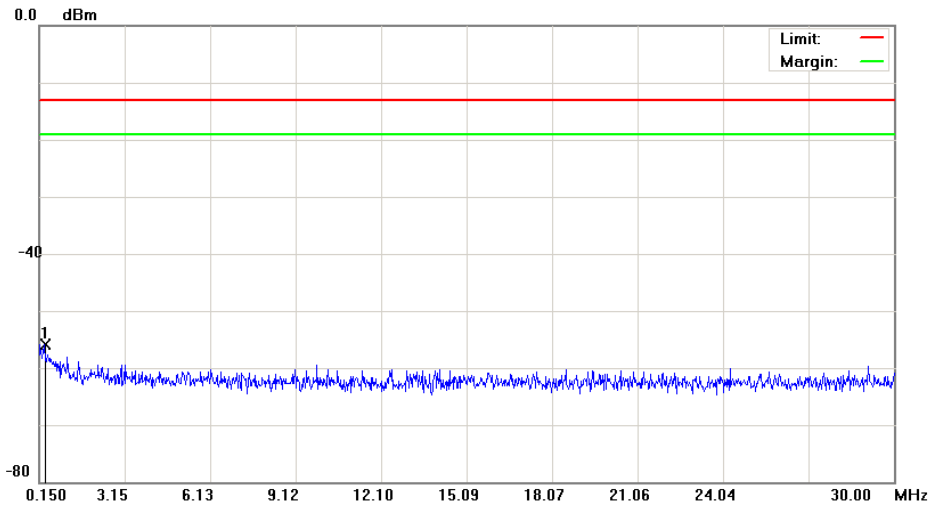


Site: site #1	Polarization: Conducted Power	Temperature: 26 °C
Limit: FCC Part 24 conducted(9k-26.5G)	Power: AC 120V/60Hz	Humidity: 55 %
EUT: 10.1" Tablet	Distance:	RBW: 1 KHz VBW: 3 KHz
M/N: VT6081		
Mode: GPRS 1900		
Note:		

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	Comment
		MHz	dBm	dB	dBm	dBm	dB	cm	degree	
1	*	0.0125	-69.39	11.36	-58.03	-13.00	-45.03	peak		

*:Maximum data x:Over limit !:over margin

File :VT6081(CH810) Data :#2 Date: 2014/5/28 Time: 下午 09:52:27

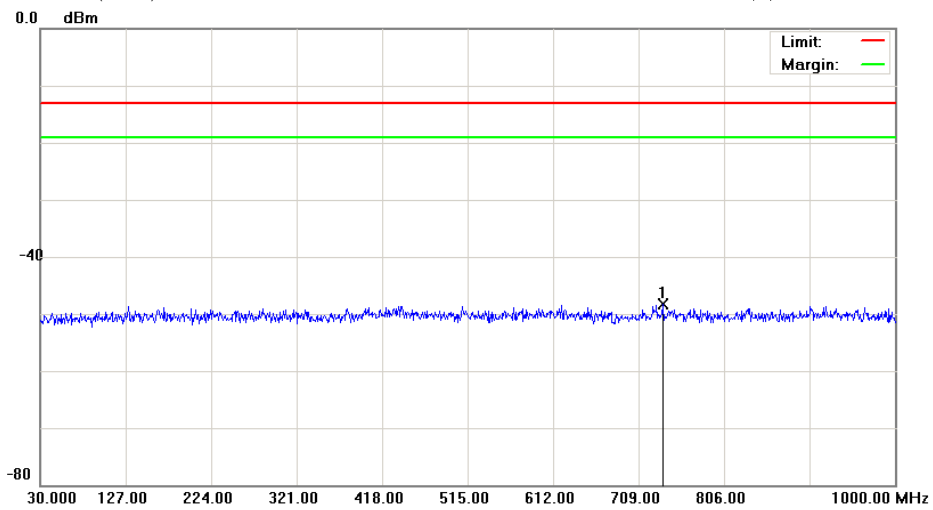


Site: site #1	Polarization: Conducted Power	Temperature: 26 °C
Limit: FCC Part 24 conducted(9k-26.5G)	Power: AC 120V/60Hz	Humidity: 55 %
EUT: 10.1" Tablet	Distance:	RBW: 10 KHz VBW: 30 KHz
M/N: VT6081		
Mode: GPRS 1900		
Note:		

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	cm	degree	Comment
1	*	0.3440	-68.51	12.70	-55.81	-13.00	-42.81	peak		

*:Maximum data x:Over limit !:over margin

File :VT6081(CH810) Data :#3 Date: 2014/5/28 Time: 下午 09:52:51

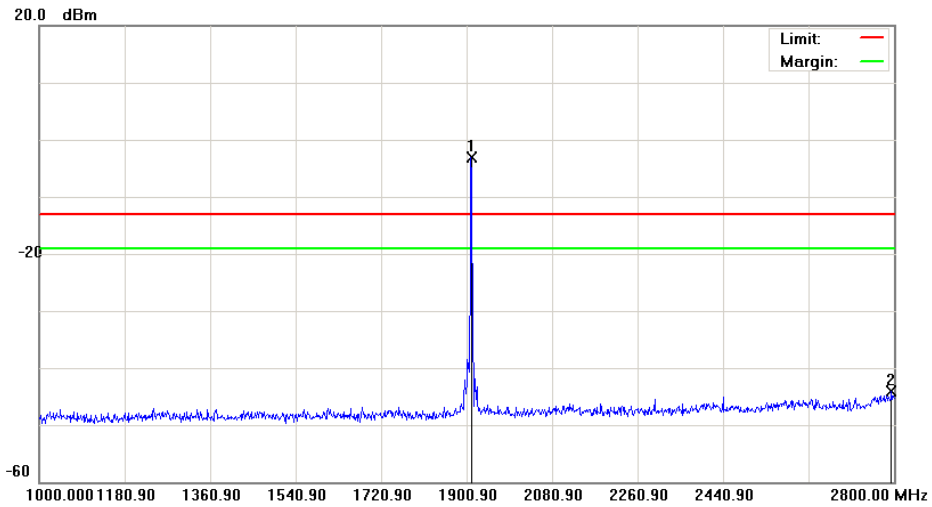


Site: site #1	Polarization: Conducted Power	Temperature: 26 °C
Limit: FCC Part 24 conducted(9k-26.5G)	Power: AC 120V/60Hz	Humidity: 55 %
EUT: 10.1" Tablet	Distance:	RBW: 100 KHz VBW: 300 KHz
M/N: VT6081		
Mode: GPRS 1900		
Note:		

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	cm	degree	Comment
1	*	736.1600	-61.38	13.10	-48.28	-13.00	-35.28	peak		

*:Maximum data x:Over limit !:over margin

File :VT6081(CH810) Data :#4 Date: 2014/5/28 Time: 下午 09:56:50

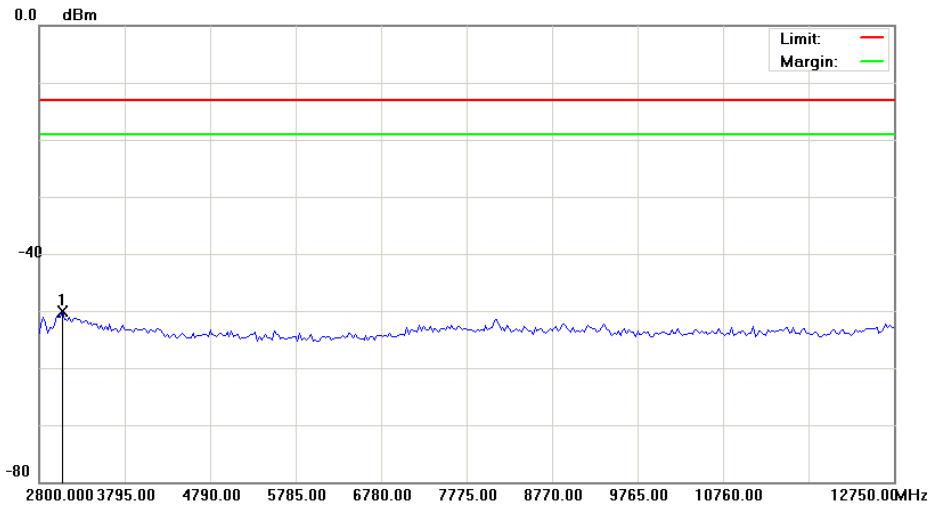


Site: site #1	Polarization: Conducted Power	Temperature: 26 °C
Limit: FCC Part 24 conducted(9k-26.5G)	Power: AC 120V/60Hz	Humidity: 55 %
EUT: 10.1" Tablet	Distance:	RBW: 1000 KHz VBW: 3000 KHz
M/N: VT6081		
Mode: GPRS 1900		
Note:		

No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Over dB	Antenna Height cm	Table Degree	Detector	Comment
1	*	1909.900	-8.79	5.71	-3.08	-13.00	9.92			peak	Tx
2		2794.600	-50.05	5.90	-44.15	-13.00	-31.15			peak	

*:Maximum data x:Over limit !:over margin

File :VT6081(CH810) Data :#5 Date: 2014/5/28 Time: 下午 10:30:38

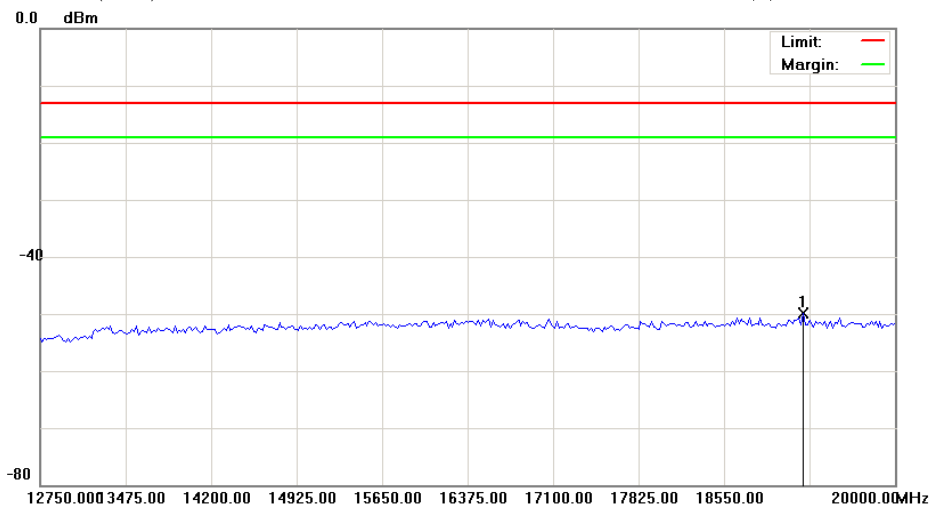


Site: site #1	Polarization: Conducted Power	Temperature: 26 °C
Limit: FCC Part 24 conducted(9k-26.5G)	Power: AC 120V/60Hz	Humidity: 55 %
EUT: 10.1" Tablet	Distance:	RBW: 1000 KHz VBW: 3000 KHz
M/N: VT6081		
Mode: GPRS 1900		
Note:		

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	Detector	Comment
		MHz	dBm	dB	dBm	dBm	dB	cm	degree		
1	*	3073.625	-55.47	5.40	-50.07	-13.00	-37.07			peak	

*:Maximum data x:Over limit !:over margin

File :VT6081(CH810) Data :#6 Date: 2014/5/28 Time: 下午 10:30:58

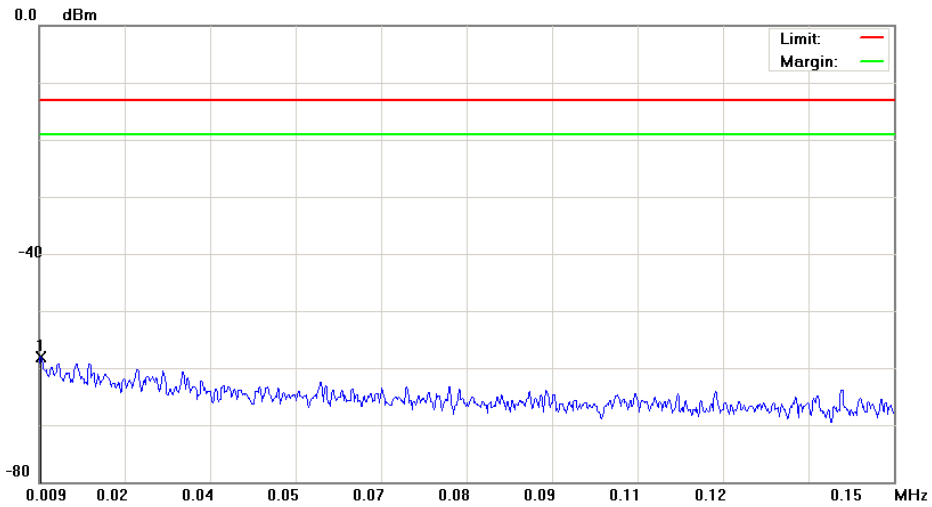


Site: site #1	Polarization: Conducted Power	Temperature: 26 °C
Limit: FCC Part 24 conducted(9k-26.5G)	Power: AC 120V/60Hz	Humidity: 55 %
EUT: 10.1" Tablet	Distance:	RBW: 1000 KHz VBW: 3000 KHz
M/N: VT6081		
Mode: GPRS 1900		
Note:		

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	Comment
		MHz	dBm	dB	dBm	dBm	dB	cm	degree	
1	*	19220.625	-57.14	7.22	-49.92	-13.00	-36.92	peak		

*:Maximum data x:Over limit !:over margin

File :VT6081(CH9262) Data :#1 Date: 2014/5/28 Time: 下午 08:29:25

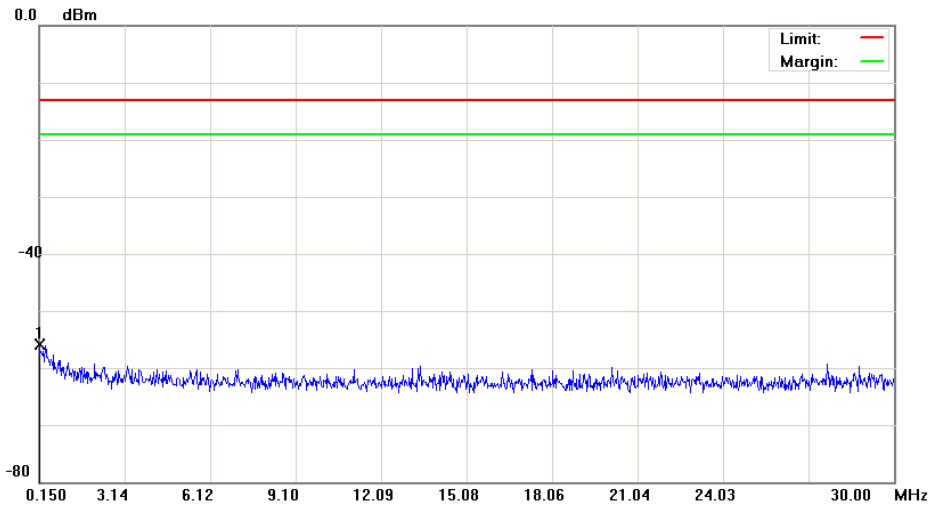


Site: site #1	Polarization: Conducted Power	Temperature: 26 °C
Limit: FCC Part 24 conducted(9k-26.5G)	Power: AC 120V/60Hz	Humidity: 55 %
EUT: 10.1" Tablet	Distance:	RBW: 1 KHz VBW: 3 KHz
M/N: VT6081		
Mode: WCDMA Band II		
Note:		

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	Comment
		MHz	dBm	dB	dBm	dBm	dB	cm	degree	
1	*	0.0093	-69.49	11.33	-58.16	-13.00	-45.16	peak		

*:Maximum data x:Over limit !:over margin

File :VT6081(CH9262) Data :#2 Date: 2014/5/28 Time: 下午 08:29:49

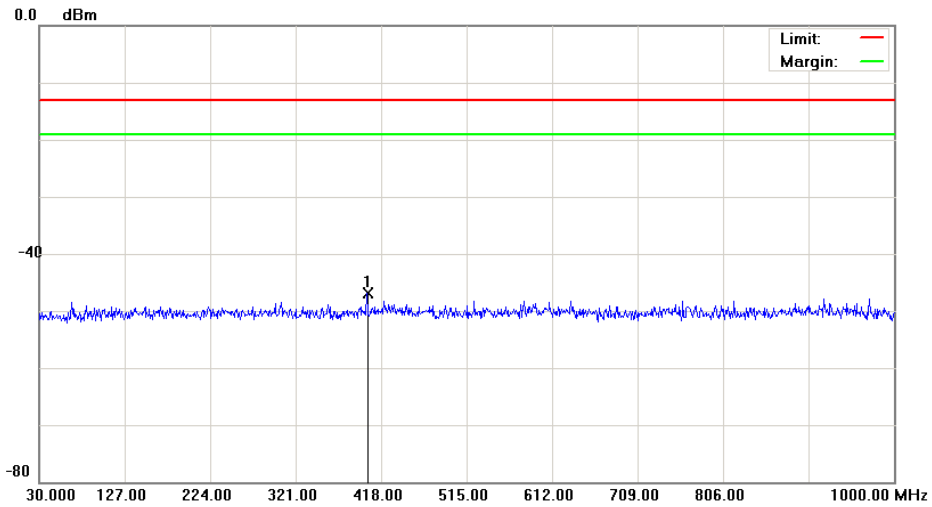


Site: site #1	Polarization: Conducted Power	Temperature: 26 °C
Limit: FCC Part 24 conducted(9k-26.5G)	Power: AC 120V/60Hz	Humidity: 55 %
EUT: 10.1" Tablet	Distance:	RBW: 10 KHz VBW: 30 KHz
M/N: VT6081		
Mode: WCDMA Band II		
Note:		

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree		
		MHz	dBm	dB	dBm	dBm	dB	Detector	cm	degree	Comment
1	*	0.1500	-68.33	12.47	-55.86	-13.00	-42.86	peak			

*:Maximum data x:Over limit !:over margin

File :VT6081(CH9262) Data :#3 Date: 2014/5/28 Time: 下午 08:30:13

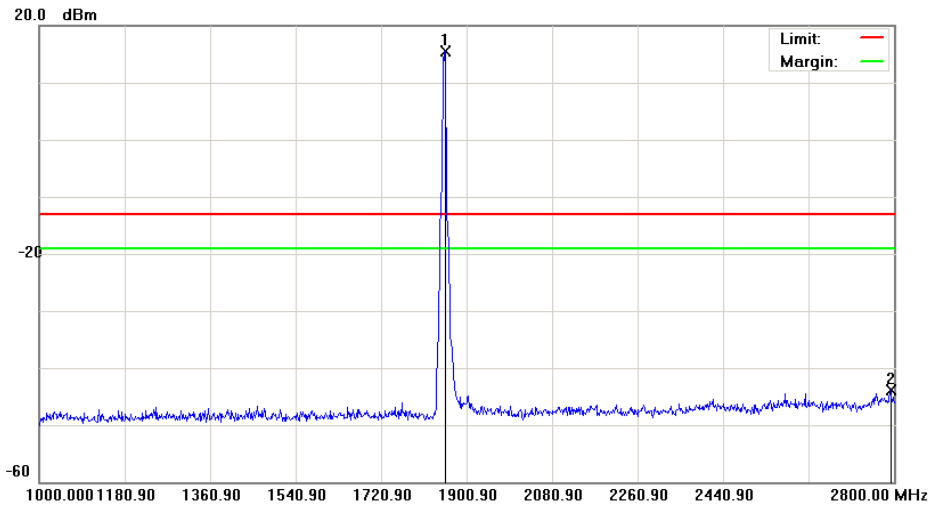


Site: site #1	Polarization: Conducted Power	Temperature: 26 °C
Limit: FCC Part 24 conducted(9k-26.5G)	Power: AC 120V/60Hz	Humidity: 55 %
EUT: 10.1" Tablet	Distance:	RBW: 100 KHz VBW: 300 KHz
M/N: VT6081		
Mode: WCDMA Band II		
Note:		

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	Comment
		MHz	dBm	dB	dBm	dBm	dB	cm	degree	
1	*	401.9950	-60.16	13.24	-46.92	-13.00	-33.92	peak		

*:Maximum data x:Over limit !:over margin

File :VT6081(CH9262) Data :#4 Date: 2014/5/28 Time: 下午 09:15:41

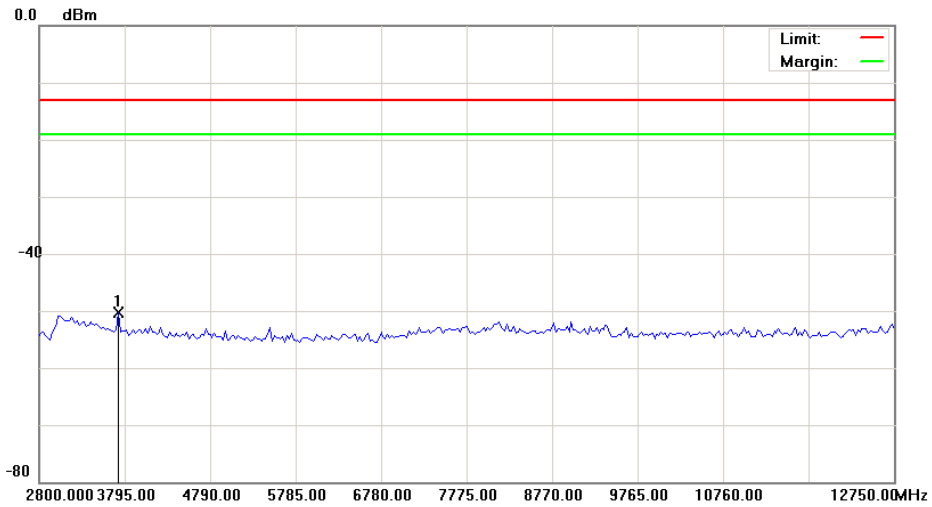


Site: site #1	Polarization: Conducted Power	Temperature: 26 °C
Limit: FCC Part 24 conducted(9k-26.5G)	Power: AC 120V/60Hz	Humidity: 55 %
EUT: 10.1" Tablet	Distance:	RBW: 1000 KHz VBW: 3000 KHz
M/N: VT6081		
Mode: WCDMA Band II		
Note:		

No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Over dB	Antenna Height cm	Table Degree	Comment
1	*	1854.100	11.18	4.28	15.46	-13.00	28.46	peak		Tx
2		2791.900	-49.88	5.90	-43.98	-13.00	-30.98	peak		

*:Maximum data x:Over limit !:over margin

File :VT6081(CH9262) Data :#5 Date: 2014/5/28 Time: 下午 10:18:42

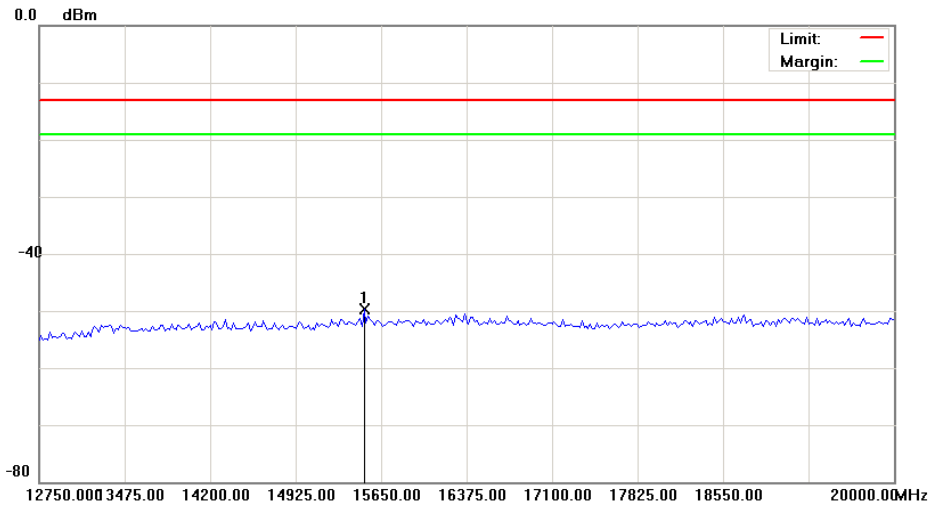


Site: site #1	Polarization: Conducted Power	Temperature: 26 °C
Limit: FCC Part 24 conducted(9k-26.5G)	Power: AC 120V/60Hz	Humidity: 55 %
EUT: 10.1" Tablet	Distance:	RBW: 1000 KHz VBW: 3000 KHz
M/N: VT6081		
Mode: WCDMA Band II		
Note:		

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	cm	degree	Comment
1	*	3720.375	-55.27	4.88	-50.39	-13.00	-37.39	peak		

*:Maximum data x:Over limit !:over margin

File :VT6081(CH9262) Data :#6 Date: 2014/5/28 Time: 下午 10:19:02

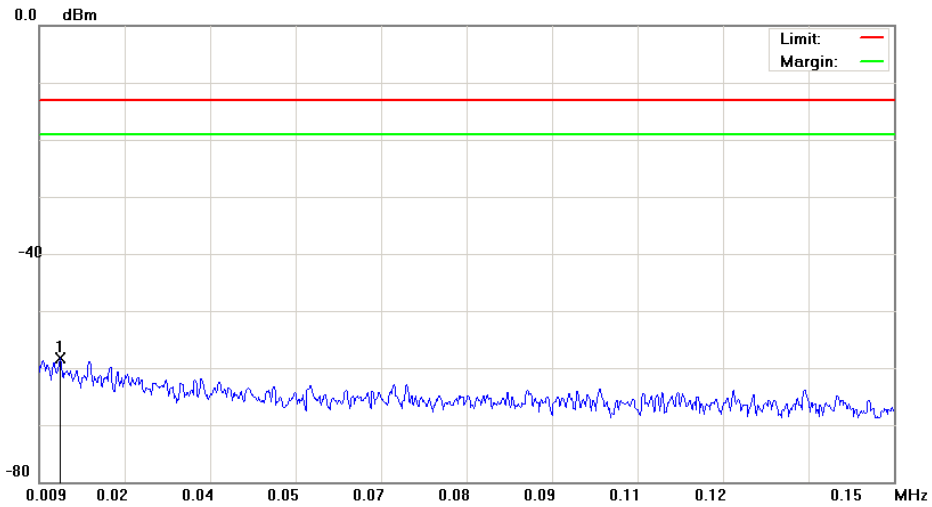


Site: site #1	Polarization: Conducted Power	Temperature: 26 °C
Limit: FCC Part 24 conducted(9k-26.5G)	Power: AC 120V/60Hz	Humidity: 55 %
EUT: 10.1" Tablet	Distance:	RBW: 1000 KHz VBW: 3000 KHz
M/N: VT6081		
Mode: WCDMA Band II		
Note:		

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	cm	degree	Comment
1	*	15505.000	-55.83	6.16	-49.67	-13.00	-36.67	peak		

*:Maximum data x:Over limit !:over margin

File :VT6081(CH9400) Data :#1 Date: 2014/5/28 Time: 下午 08:30:58

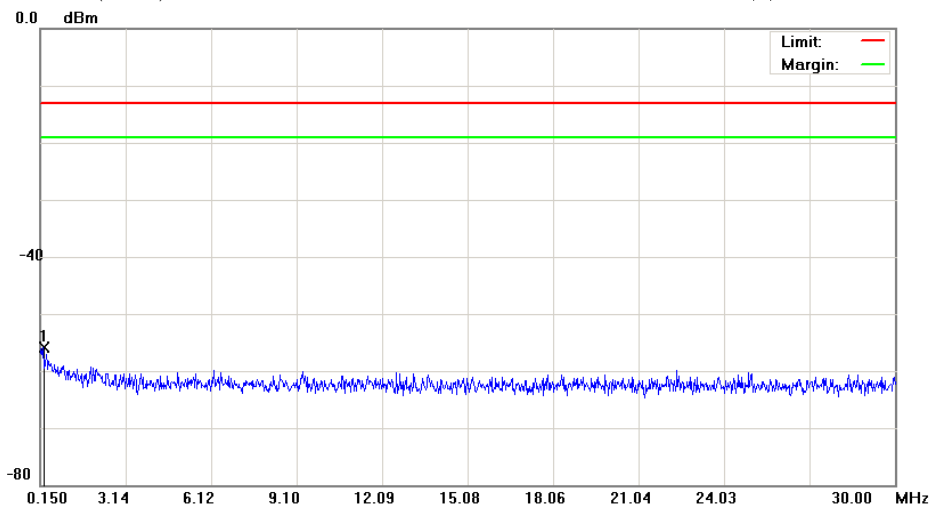


Site: site #1	Polarization: Conducted Power	Temperature: 26 °C
Limit: FCC Part 24 conducted(9k-26.5G)	Power: AC 120V/60Hz	Humidity: 55 %
EUT: 10.1" Tablet	Distance:	RBW: 1 KHz VBW: 3 KHz
M/N: VT6081		
Mode: WCDMA Band II		
Note:		

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	cm	degree	Comment
1	*	0.0125	-69.57	11.36	-58.21	-13.00	-45.21	peak		

*:Maximum data x:Over limit !:over margin

File :VT6081(CH9400) Data :#2 Date: 2014/5/28 Time: 下午 08:31:22

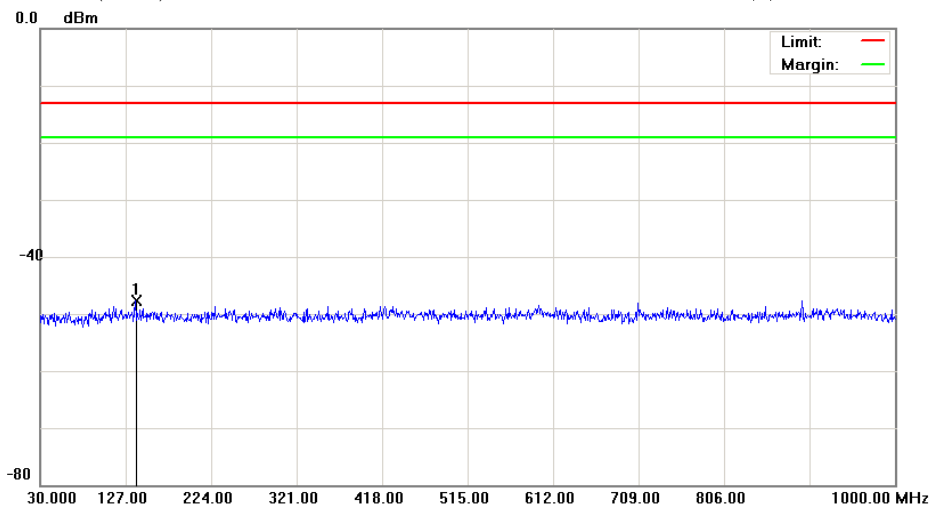


Site: site #1	Polarization: Conducted Power	Temperature: 26 °C
Limit: FCC Part 24 conducted(9k-26.5G)	Power: AC 120V/60Hz	Humidity: 55 %
EUT: 10.1" Tablet	Distance:	RBW: 10 KHz VBW: 30 KHz
M/N: VT6081		
Mode: WCDMA Band II		
Note:		

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	cm	degree	Comment
1	*	0.2545	-68.42	12.53	-55.89	-13.00	-42.89	peak		

*:Maximum data x:Over limit !:over margin

File :VT6081(CH9400) Data :#3 Date: 2014/5/28 Time: 下午 08:31:46

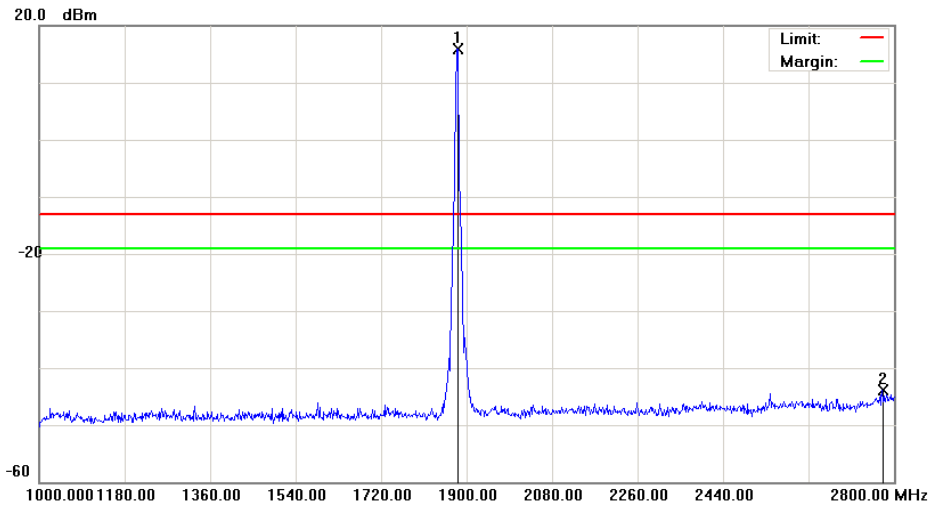


Site: site #1	Polarization: Conducted Power	Temperature: 26 °C
Limit: FCC Part 24 conducted(9k-26.5G)	Power: AC 120V/60Hz	Humidity: 55 %
EUT: 10.1" Tablet	Distance:	RBW: 100 KHz VBW: 300 KHz
M/N: VT6081		
Mode: WCDMA Band II		
Note:		

No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Over dB	Antenna Height cm	Table Degree	Comment
1	*	138.1550	-61.15	13.39	-47.76	-13.00	-34.76	peak		

*:Maximum data x:Over limit !:over margin

File :VT6081(CH9400) Data :#4 Date: 2014/5/28 Time: 下午 09:16:44

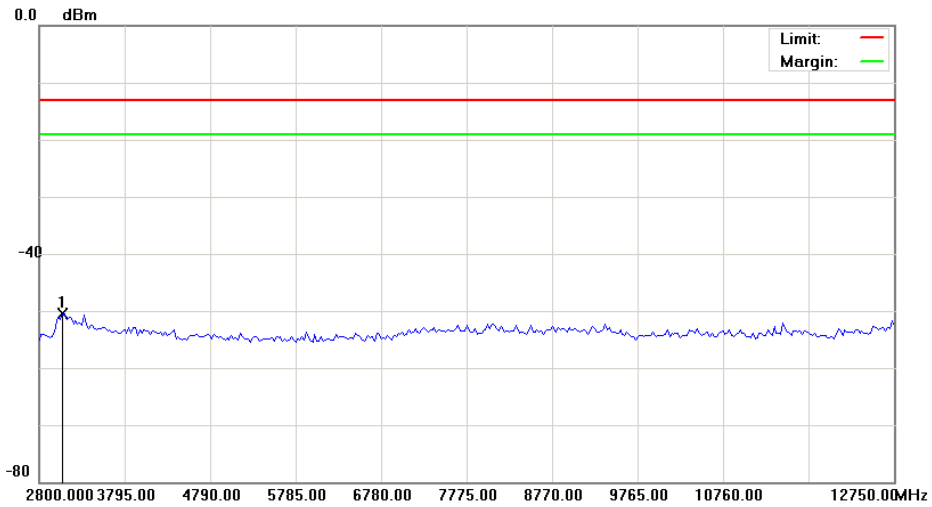


Site: site #1	Polarization: Conducted Power	Temperature: 26 °C
Limit: FCC Part 24 conducted(9k-26.5G)	Power: AC 120V/60Hz	Humidity: 55 %
EUT: 10.1" Tablet	Distance:	RBW: 1000 KHz VBW: 3000 KHz
M/N: VT6081		
Mode: WCDMA Band II		
Note:		

No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Over dB	Antenna Height cm	Table Degree	Comment
1	*	1882.000	11.14	4.83	15.97	-13.00	28.97	peak		Tx
2		2775.700	-49.80	5.82	-43.98	-13.00	-30.98	peak		

*:Maximum data x:Over limit !:over margin

File :VT6081(CH9400) Data :#5 Date: 2014/5/28 Time: 下午 10:19:38

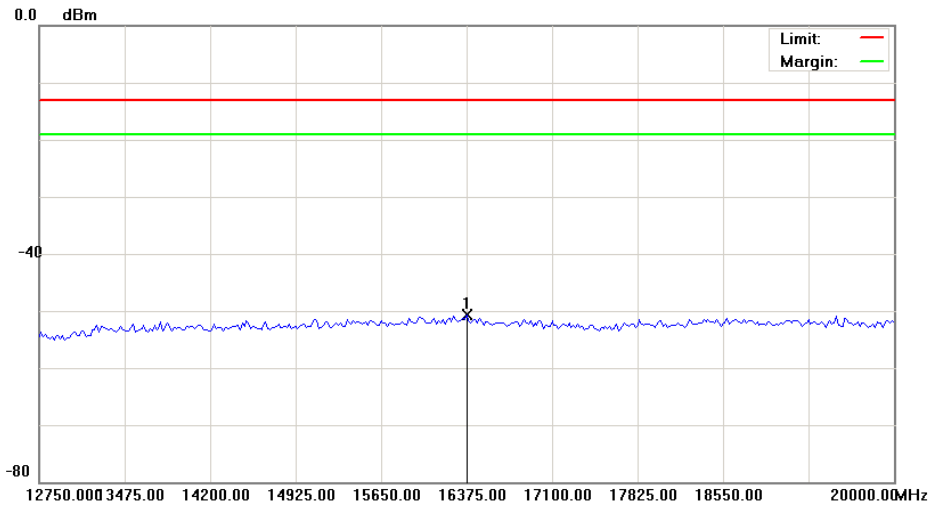


Site: site #1	Polarization: Conducted Power	Temperature: 26 °C
Limit: FCC Part 24 conducted(9k-26.5G)	Power: AC 120V/60Hz	Humidity: 55 %
EUT: 10.1" Tablet	Distance:	RBW: 1000 KHz VBW: 3000 KHz
M/N: VT6081		
Mode: WCDMA Band II		
Note:		

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	Comment
		MHz	dBm	dB	dBm	dBm	dB	cm	degree	
1	*	3073.625	-55.89	5.40	-50.49	-13.00	-37.49	peak		

*:Maximum data x:Over limit !:over margin

File :VT6081(CH9400) Data :#6 Date: 2014/5/28 Time: 下午 10:19:59

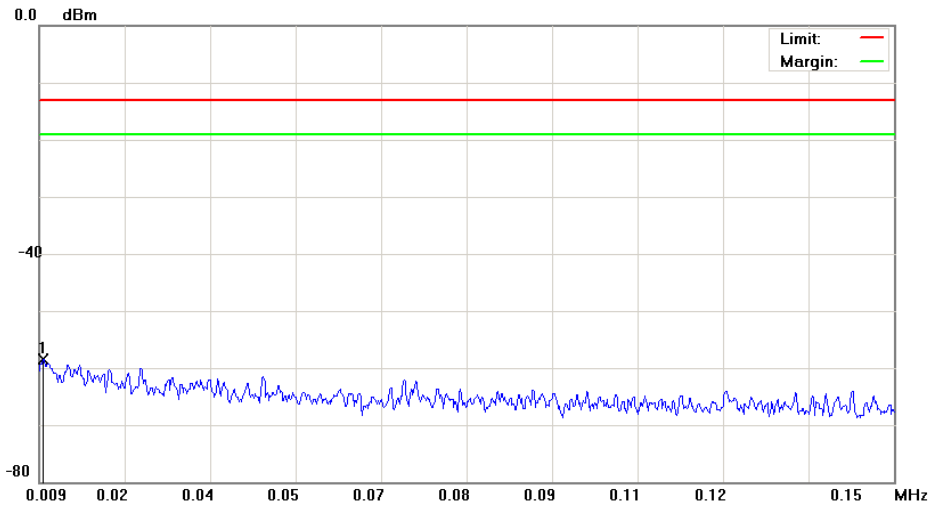


Site: site #1	Polarization: Conducted Power	Temperature: 26 °C
Limit: FCC Part 24 conducted(9k-26.5G)	Power: AC 120V/60Hz	Humidity: 55 %
EUT: 10.1" Tablet	Distance:	RBW: 1000 KHz VBW: 3000 KHz
M/N: VT6081		
Mode: WCDMA Band II		
Note:		

No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Over dB	Antenna Height cm	Table Degree	Comment
1	*	16375.000	-57.17	6.41	-50.76	-13.00	-37.76	peak		

*:Maximum data x:Over limit !:over margin

File :VT6081(CH9538) Data :#1 Date: 2014/5/28 Time: 下午 08:38:38

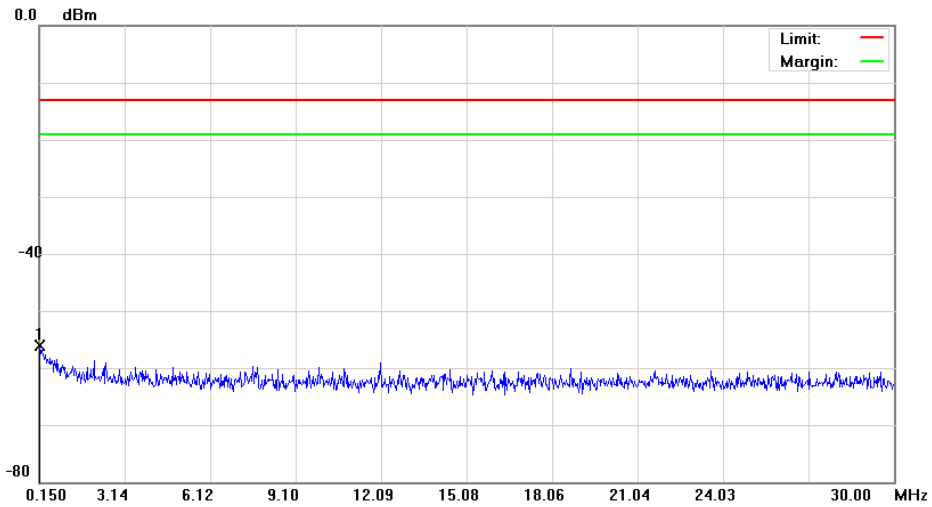


Site: site #1	Polarization: Conducted Power	Temperature: 26 °C
Limit: FCC Part 24 conducted(9k-26.5G)	Power: AC 120V/60Hz	Humidity: 55 %
EUT: 10.1" Tablet	Distance:	RBW: 1 KHz VBW: 3 KHz
M/N: VT6081		
Mode: WCDMA Band II		
Note:		

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	cm	degree	Comment
1	*	0.0097	-69.81	11.33	-58.48	-13.00	-45.48	peak		

*:Maximum data x:Over limit !:over margin

File :VT6081(CH9538) Data :#2 Date: 2014/5/28 Time: 下午 08:39:03

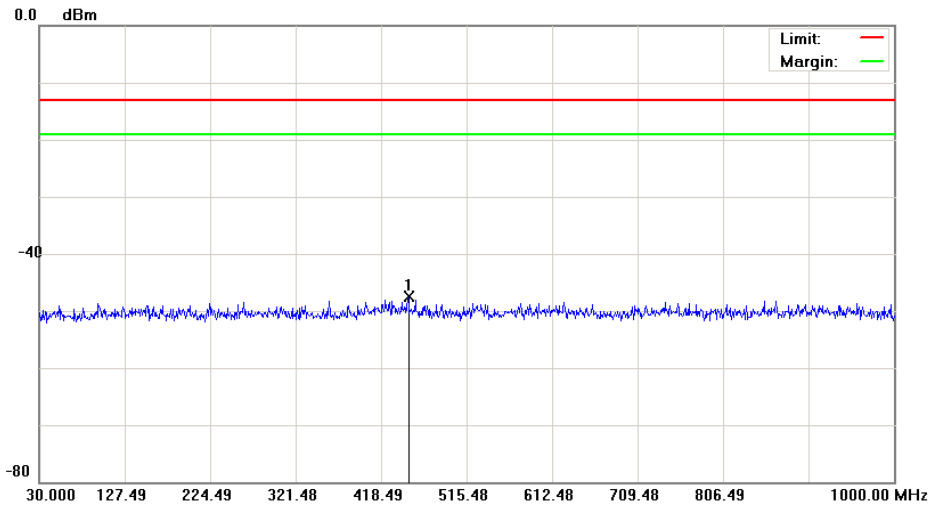


Site: site #1	Polarization: Conducted Power	Temperature: 26 °C
Limit: FCC Part 24 conducted(9k-26.5G)	Power: AC 120V/60Hz	Humidity: 55 %
EUT: 10.1" Tablet	Distance:	RBW: 10 KHz VBW: 30 KHz
M/N: VT6081		
Mode: WCDMA Band II		
Note:		

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	cm	degree	Comment
1	*	0.1798	-68.49	12.45	-56.04	-13.00	-43.04	peak		

*:Maximum data x:Over limit !:over margin

File :VT6081(CH9538) Data :#3 Date: 2014/5/28 Time: 下午 08:39:27

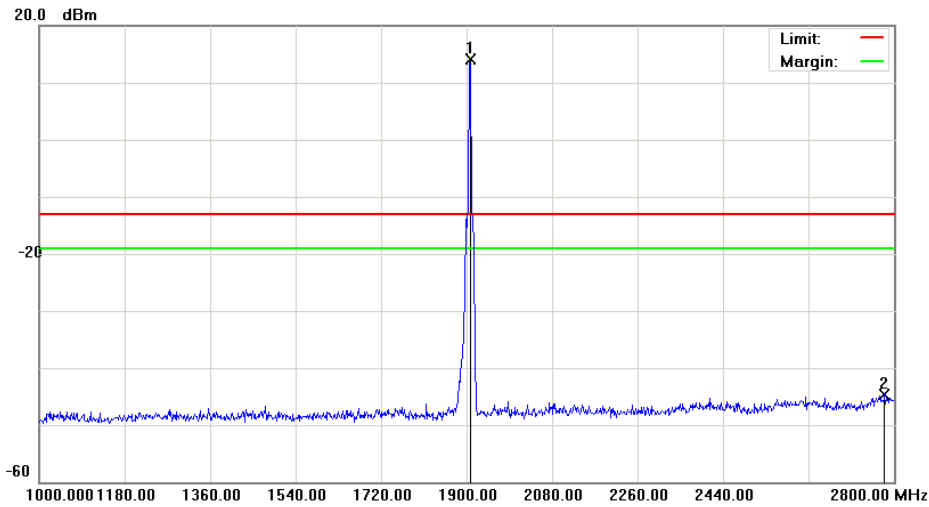


Site: site #1	Polarization: Conducted Power	Temperature: 26 °C
Limit: FCC Part 24 conducted(9k-26.5G)	Power: AC 120V/60Hz	Humidity: 55 %
EUT: 10.1" Tablet	Distance:	RBW: 100 KHz VBW: 300 KHz
M/N: VT6081		
Mode: WCDMA Band II		
Note:		

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	Comment
		MHz	dBm	dB	dBm	dBm	dB	cm	degree	
1	*	448.5550	-60.76	13.21	-47.55	-13.00	-34.55	peak		

*:Maximum data x:Over limit !:over margin

File :VT6081(CH9538) Data :#4 Date: 2014/5/28 Time: 下午 09:18:37

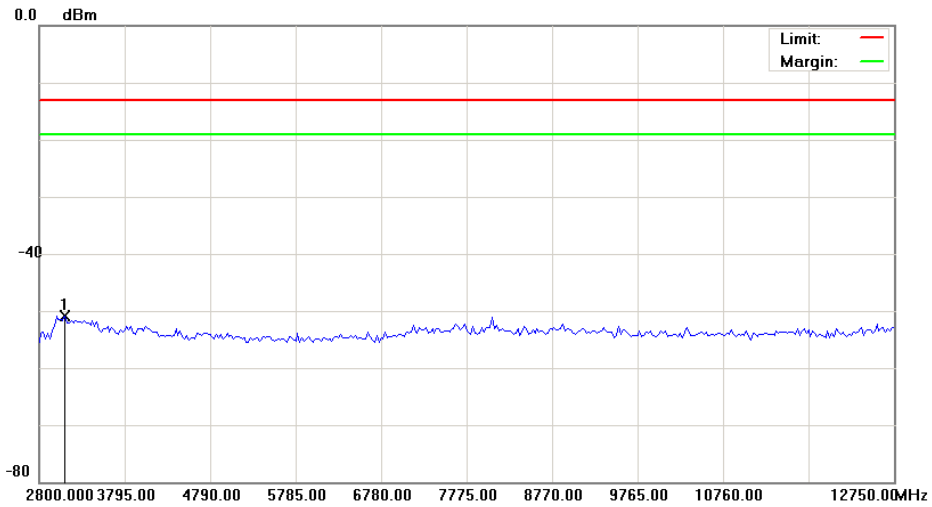


Site: site #1	Polarization: Conducted Power	Temperature: 26 °C
Limit: FCC Part 24 conducted(9k-26.5G)	Power: AC 120V/60Hz	Humidity: 55 %
EUT: 10.1" Tablet	Distance:	RBW: 1000 KHz VBW: 3000 KHz
M/N: VT6081		
Mode: WCDMA Band II		
Note:		

No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Over dB	Antenna Height cm	Table Degree	Comment
1	*	1906.300	8.04	6.05	14.09	-13.00	27.09	peak		Tx
2		2780.200	-50.67	5.88	-44.79	-13.00	-31.79	peak		

*:Maximum data x:Over limit !:over margin

File :VT6081(CH9538) Data :#5 Date: 2014/5/28 Time: 下午 10:20:30

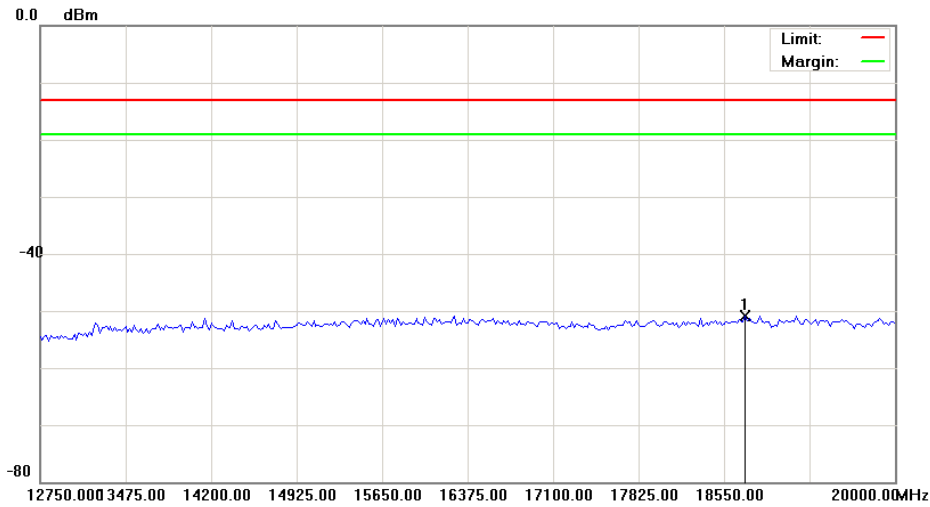


Site: site #1	Polarization: Conducted Power	Temperature: 26 °C
Limit: FCC Part 24 conducted(9k-26.5G)	Power: AC 120V/60Hz	Humidity: 55 %
EUT: 10.1" Tablet	Distance:	RBW: 1000 KHz VBW: 3000 KHz
M/N: VT6081		
Mode: WCDMA Band II		
Note:		

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	Comment
		MHz	dBm	dB	dBm	dBm	dB	cm	degree	
1	*	3098.500	-56.29	5.32	-50.97	-13.00	-37.97	peak		

*:Maximum data x:Over limit !:over margin

File :VT6081(CH9538) Data :#6 Date: 2014/5/28 Time: 下午 10:20:50

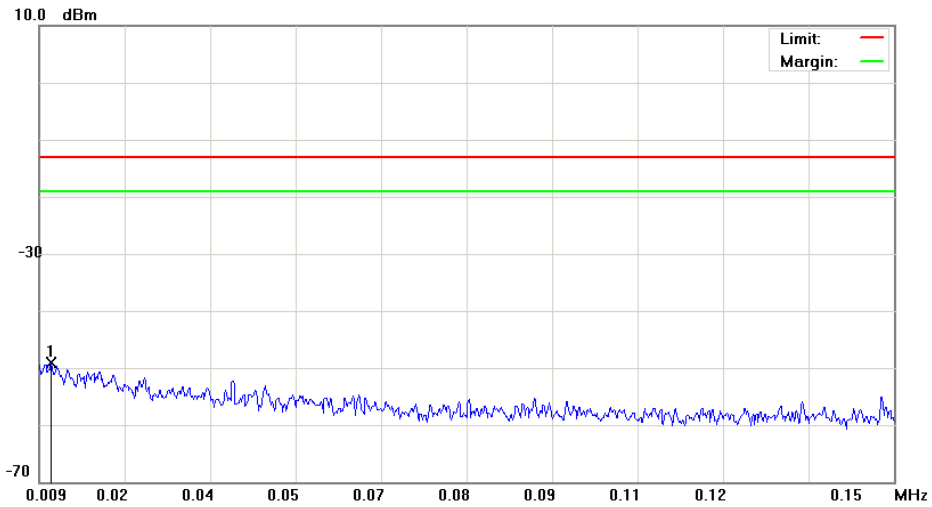


Site: site #1	Polarization: Conducted Power	Temperature: 26 °C
Limit: FCC Part 24 conducted(9k-26.5G)	Power: AC 120V/60Hz	Humidity: 55 %
EUT: 10.1" Tablet	Distance:	RBW: 1000 KHz VBW: 3000 KHz
M/N: VT6081		
Mode: WCDMA Band II		
Note:		

No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Over dB	Antenna Height cm	Table Degree	Comment
1	*	18731.250	-58.00	7.08	-50.92	-13.00	-37.92	peak		

*:Maximum data x:Over limit !:over margin

File :VT6081(CH4132) Data :#1 Date: 2014/5/28 Time: 下午 09:25:46

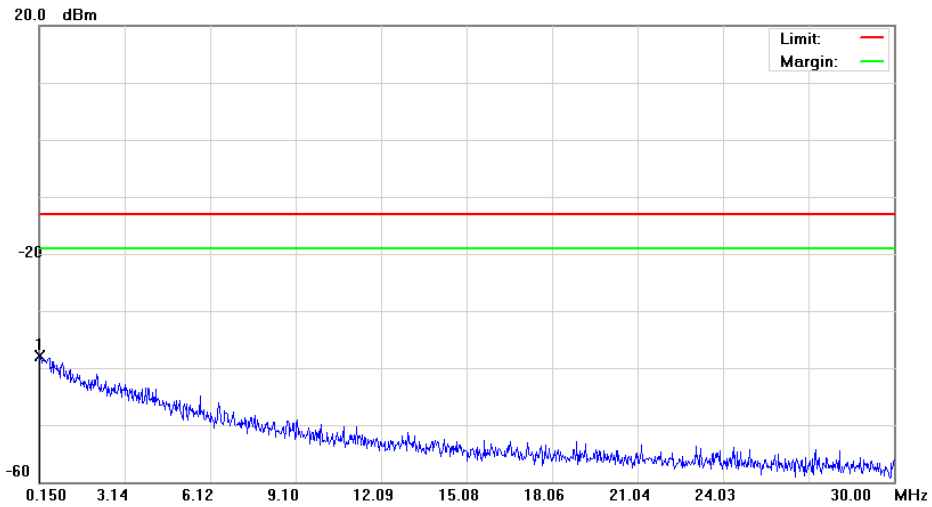


Site: site #1	Polarization: Conducted Power	Temperature: 26 °C
Limit: FCC Part 22 conducted(9k-12.75G)	Power: AC 120V/60Hz	Humidity: 55 %
EUT: 10.1" Tablet	Distance:	RBW: 1 KHz VBW: 3 KHz
M/N: VT6081		
Mode: WCDMA Band V		
Note:		

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	cm	degree	Comment
1	*	0.0110	-79.59	30.57	-49.02	-13.00	-36.02	peak		

*:Maximum data x:Over limit !:over margin

File :VT6081(CH4132) Data :#2 Date: 2014/5/28 Time: 下午 09:26:10

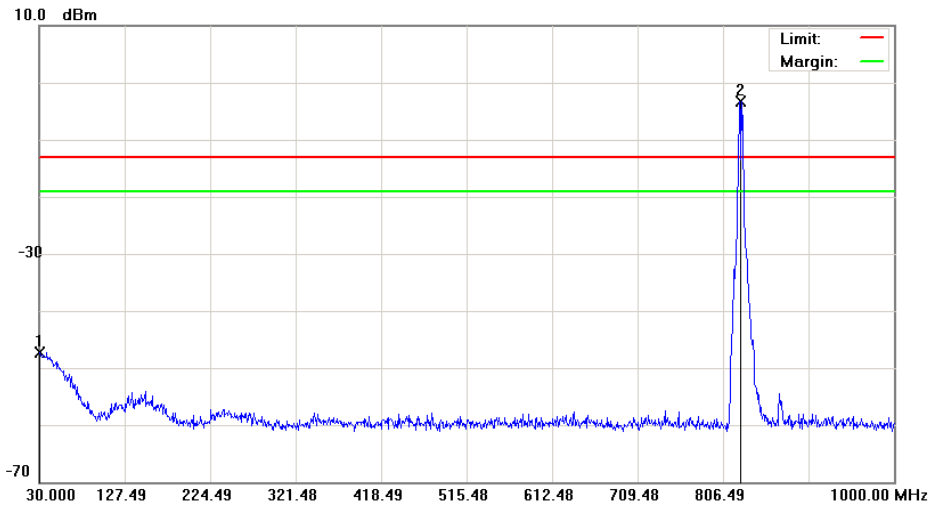


Site: site #1	Polarization: Conducted Power	Temperature: 26 °C
Limit: FCC Part 22 conducted(9k-12.75G)	Power: AC 120V/60Hz	Humidity: 55 %
EUT: 10.1" Tablet	Distance:	RBW: 10 KHz VBW: 30 KHz
M/N: VT6081		
Mode: WCDMA Band V		
Note:		

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	Detector	Comment
		MHz	dBm	dB	dBm	dBm	dB	cm	degree		
1	*	0.1798	-68.66	30.75	-37.91	-13.00	-24.91			peak	

*:Maximum data x:Over limit !:over margin

File :VT6081(CH4132) Data :#3 Date: 2014/5/28 Time: 下午 09:26:34

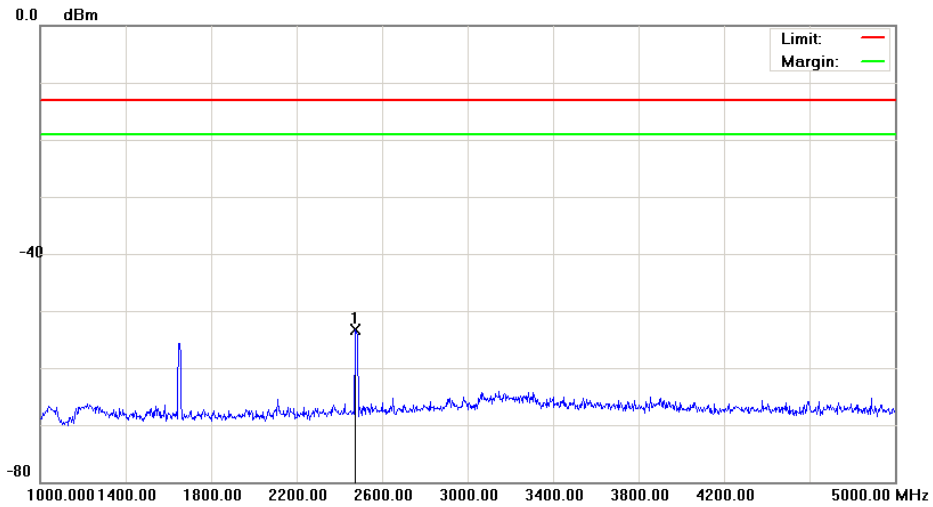


Site: site #1	Polarization: Conducted Power	Temperature: 26 °C
Limit: FCC Part 22 conducted(9k-12.75G)	Power: AC 120V/60Hz	Humidity: 55 %
EUT: 10.1" Tablet	Distance:	RBW: 100 KHz VBW: 300 KHz
M/N: VT6081		
Mode: WCDMA Band V		
Note:		

No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Over dB	Antenna Height cm	Table Degree	Comment
1		30.9700	-64.41	17.10	-47.31	-13.00	-34.31	peak		
2	*	824.9150	-7.18	3.84	-3.34	-13.00	9.66	peak		Tx

*:Maximum data x:Over limit !:over margin

File :VT6081(CH4132) Data :#4 Date: 2014/5/28 Time: 下午 10:13:30

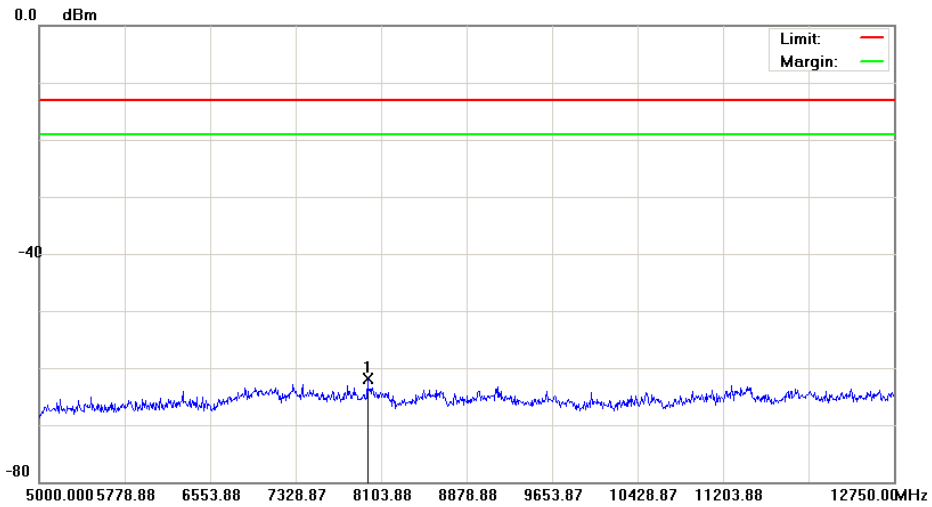


Site: site #1	Polarization: Conducted Power	Temperature: 26 °C
Limit: FCC Part 22 conducted(9k-12.75G)	Power: AC 120V/60Hz	Humidity: 55 %
EUT: 10.1" Tablet	Distance:	RBW: 1000 KHz VBW: 3000 KHz
M/N: VT6081		
Mode: WCDMA Band V		
Note:		

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	cm	degree	Comment
1	*	2476.000	-57.75	4.44	-53.31	-13.00	-40.31	peak		

*:Maximum data x:Over limit !:over margin

File :VT6081(CH4132) Data :#5 Date: 2014/5/28 Time: 下午 10:13:53

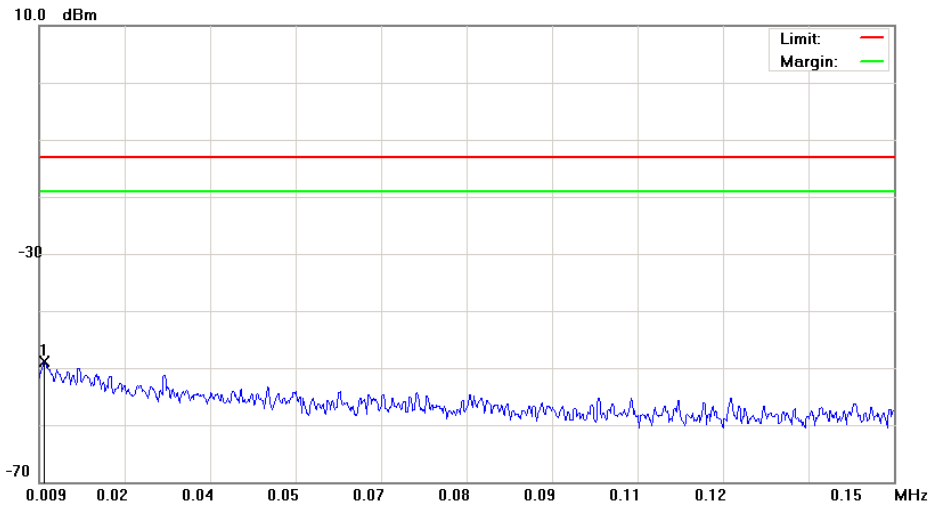


Site: site #1	Polarization: Conducted Power	Temperature: 26 °C
Limit: FCC Part 22 conducted(9k-12.75G)	Power: AC 120V/60Hz	Humidity: 55 %
EUT: 10.1" Tablet	Distance:	RBW: 1000 KHz VBW: 3000 KHz
M/N: VT6081		
Mode: WCDMA Band V		
Note:		

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	cm	degree	Comment
1	*	7979.875	-67.17	5.34	-61.83	-13.00	-48.83	peak		

*:Maximum data x:Over limit !:over margin

File :VT6081(CH4183) Data :#1 Date: 2014/5/28 Time: 下午 09:28:07

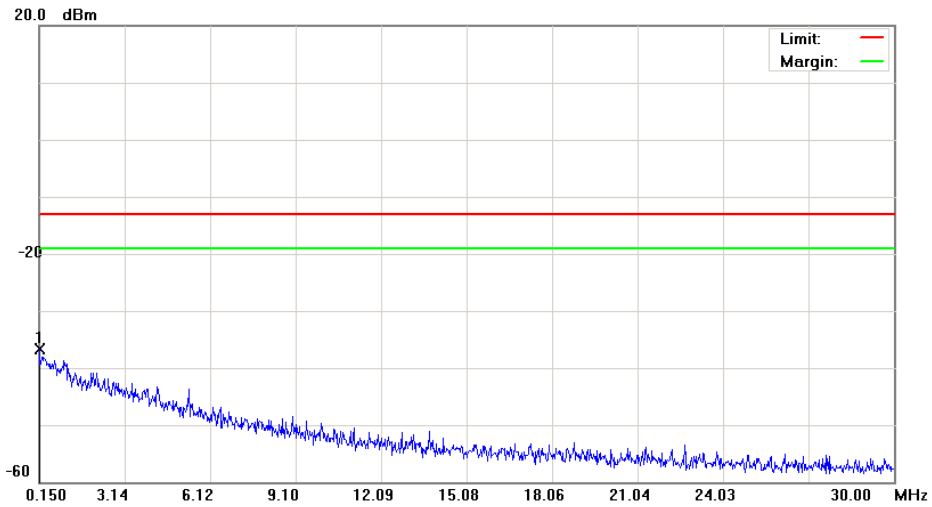


Site: site #1	Polarization: Conducted Power	Temperature: 26 °C
Limit: FCC Part 22 conducted(9k-12.75G)	Power: AC 120V/60Hz	Humidity: 55 %
EUT: 10.1" Tablet	Distance:	RBW: 1 KHz VBW: 3 KHz
M/N: VT6081		
Mode: WCDMA Band V		
Note:		

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	cm	degree	Comment
1	*	0.0098	-79.50	30.58	-48.92	-13.00	-35.92	peak		

*:Maximum data x:Over limit !:over margin

File :VT6081(CH4183) Data :#2 Date: 2014/5/28 Time: 下午 09:28:31

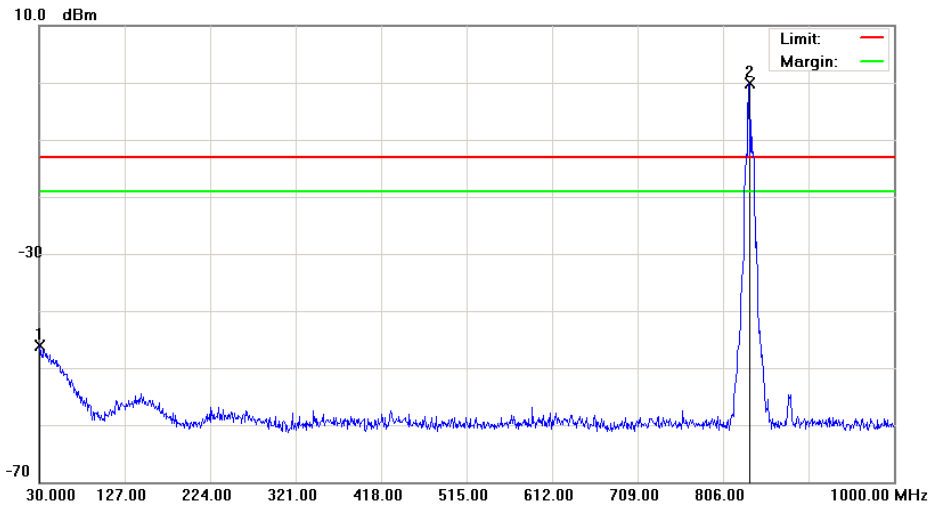


Site: site #1	Polarization: Conducted Power	Temperature: 26 °C
Limit: FCC Part 22 conducted(9k-12.75G)	Power: AC 120V/60Hz	Humidity: 55 %
EUT: 10.1" Tablet	Distance:	RBW: 10 KHz VBW: 30 KHz
M/N: VT6081		
Mode: WCDMA Band V		
Note:		

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	Comment
		MHz	dBm	dB	dBm	dBm	dB	cm	degree	
1	*	0.1500	-67.20	30.51	-36.69	-13.00	-23.69	peak		

*:Maximum data x:Over limit !:over margin

File :VT6081(CH4183) Data :#3 Date: 2014/5/28 Time: 下午 09:28:56

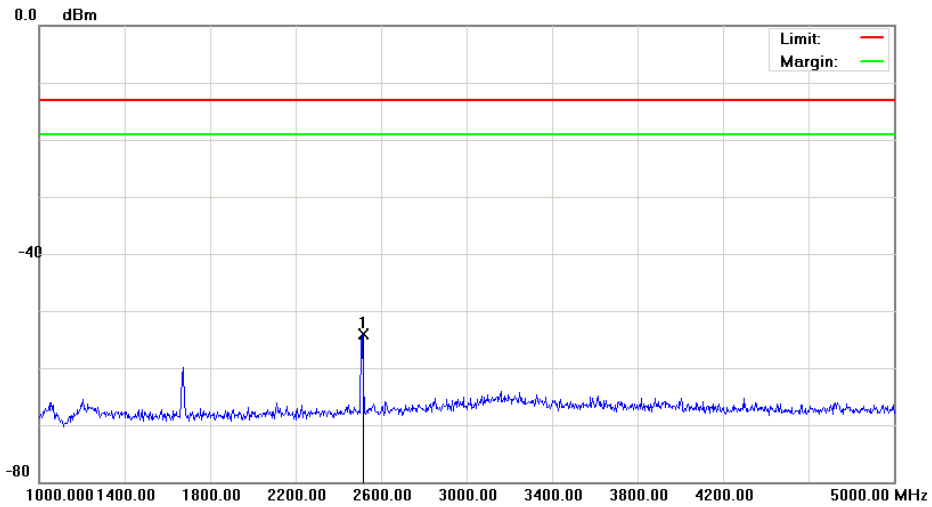


Site: site #1	Polarization: Conducted Power	Temperature: 26 °C
Limit: FCC Part 22 conducted(9k-12.75G)	Power: AC 120V/60Hz	Humidity: 55 %
EUT: 10.1" Tablet	Distance:	RBW: 100 KHz VBW: 300 KHz
M/N: VT6081		
Mode: WCDMA Band V		
Note:		

No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Over dB	Antenna Height cm	Table Degree	Comment
1		30.9700	-63.26	17.10	-46.16	-13.00	-33.16	peak		
2	*	835.5850	-3.96	3.95	-0.01	-13.00	12.99	peak		Tx

*:Maximum data x:Over limit !:over margin

File :VT6081(CH4183) Data :#4 Date: 2014/5/28 Time: 下午 10:14:29

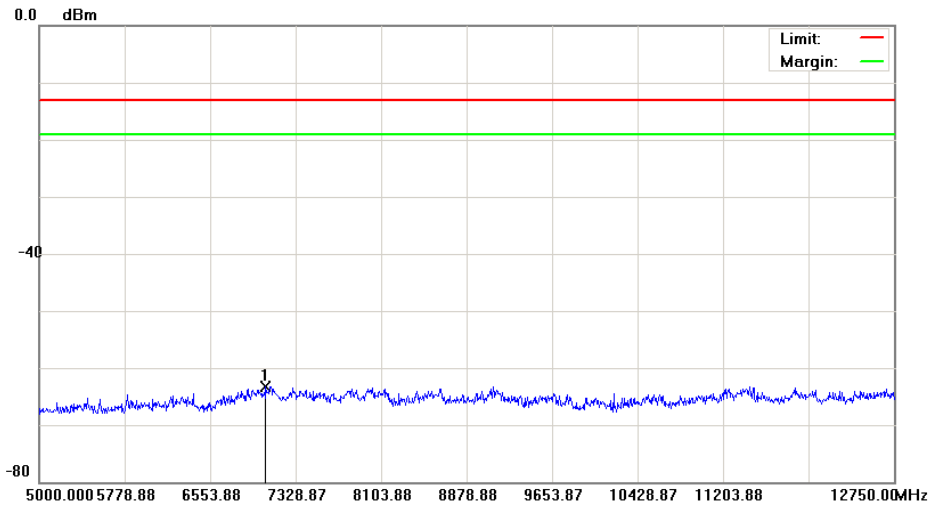


Site: site #1	Polarization: Conducted Power	Temperature: 26 °C
Limit: FCC Part 22 conducted(9k-12.75G)	Power: AC 120V/60Hz	Humidity: 55 %
EUT: 10.1" Tablet	Distance:	RBW: 1000 KHz VBW: 3000 KHz
M/N: VT6081		
Mode: WCDMA Band V		
Note:		

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	cm	degree	Comment
1	*	2514.000	-58.49	4.36	-54.13	-13.00	-41.13	peak		

*:Maximum data x:Over limit !:over margin

File :VT6081(CH4183) Data :#5 Date: 2014/5/28 Time: 下午 10:14:52

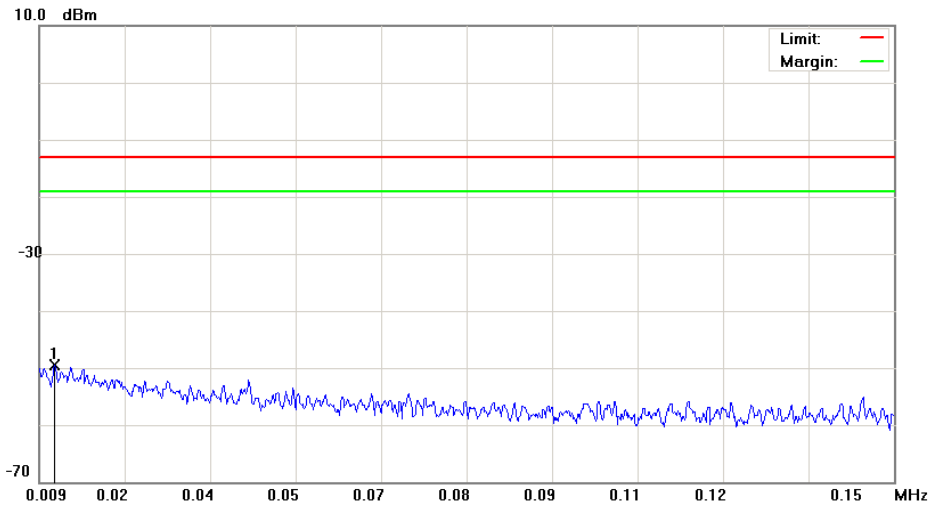


Site: site #1	Polarization: Conducted Power	Temperature: 26 °C
Limit: FCC Part 22 conducted(9k-12.75G)	Power: AC 120V/60Hz	Humidity: 55 %
EUT: 10.1" Tablet	Distance:	RBW: 1000 KHz VBW: 3000 KHz
M/N: VT6081		
Mode: WCDMA Band V		
Note:		

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	cm	degree	Comment
1	*	7053.750	-68.07	4.83	-63.24	-13.00	-50.24	peak		

*:Maximum data x:Over limit !:over margin

File :VT6081(CH4233) Data :#1 Date: 2014/5/28 Time: 下午 09:30:13

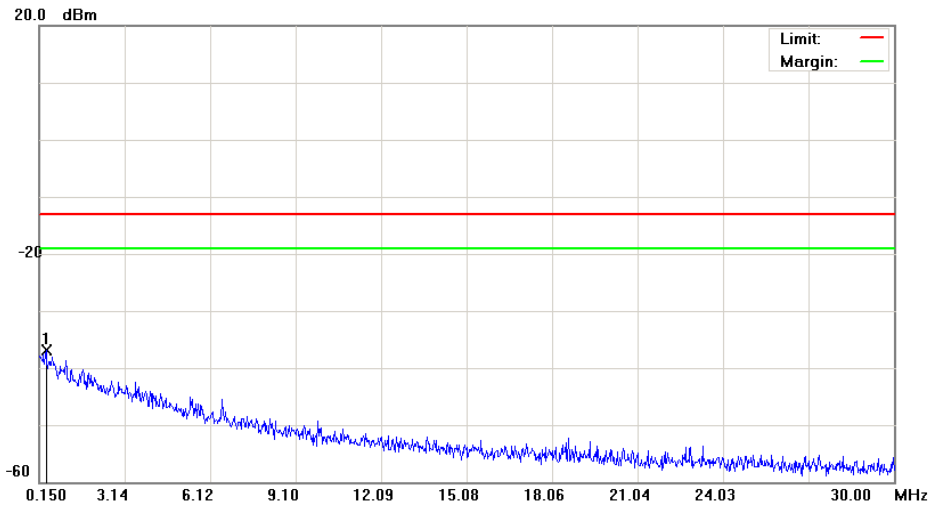


Site: site #1	Polarization: Conducted Power	Temperature: 26 °C
Limit: FCC Part 22 conducted(9k-12.75G)	Power: AC 120V/60Hz	Humidity: 55 %
EUT: 10.1" Tablet	Distance:	RBW: 1 KHz VBW: 3 KHz
M/N: VT6081		
Mode: WCDMA Band V		
Note:		

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	cm	degree	Comment
1	*	0.0115	-80.14	30.57	-49.57	-13.00	-36.57	peak		

*:Maximum data x:Over limit !:over margin

File :VT6081(CH4233) Data :#2 Date: 2014/5/28 Time: 下午 09:30:37

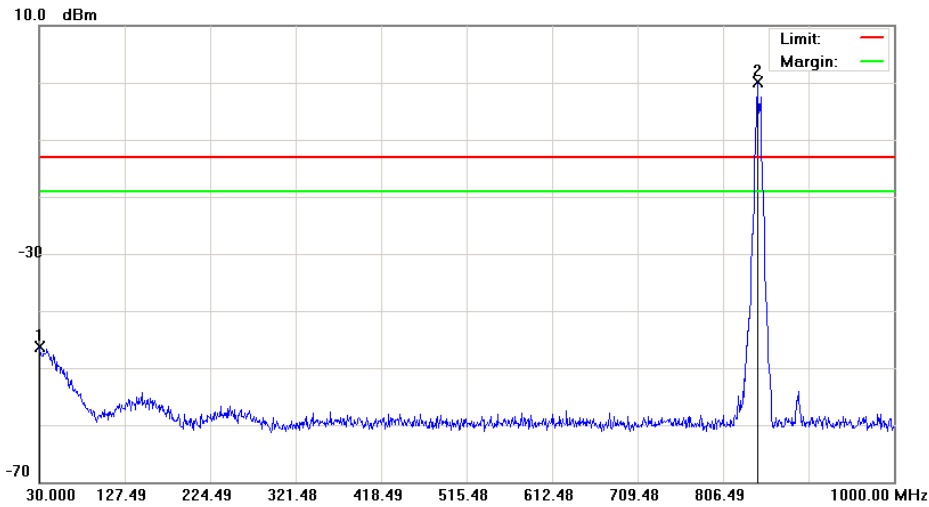


Site: site #1	Polarization: Conducted Power	Temperature: 26 °C
Limit: FCC Part 22 conducted(9k-12.75G)	Power: AC 120V/60Hz	Humidity: 55 %
EUT: 10.1" Tablet	Distance:	RBW: 10 KHz VBW: 30 KHz
M/N: VT6081		
Mode: WCDMA Band V		
Note:		

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	Comment
		MHz	dBm	dB	dBm	dBm	dB	cm	degree	
1	*	0.3888	-68.83	31.89	-36.94	-13.00	-23.94	peak		

*:Maximum data x:Over limit !:over margin

File :VT6081(CH4233) Data :#3 Date: 2014/5/28 Time: 下午 09:31:02

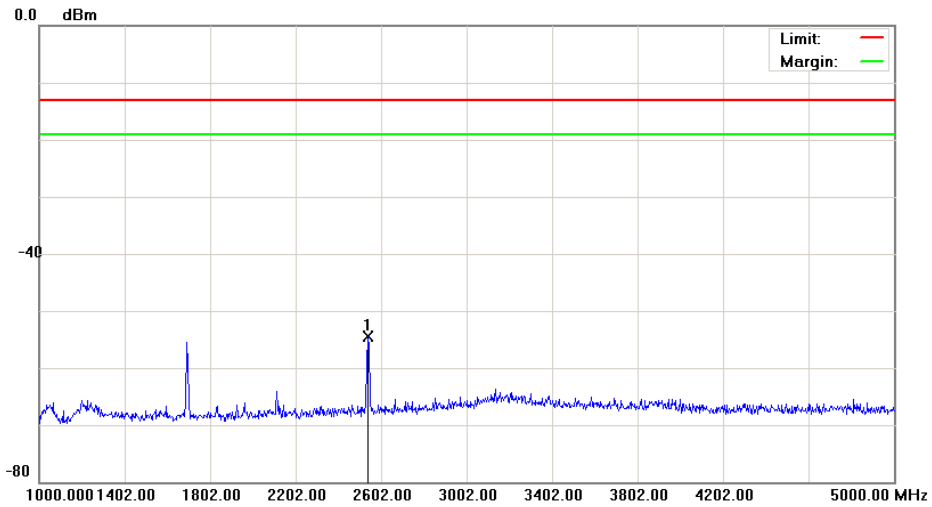


Site: site #1	Polarization: Conducted Power	Temperature: 26 °C
Limit: FCC Part 22 conducted(9k-12.75G)	Power: AC 120V/60Hz	Humidity: 55 %
EUT: 10.1" Tablet	Distance:	RBW: 100 KHz VBW: 300 KHz
M/N: VT6081		
Mode: WCDMA Band V		
Note:		

No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Over dB	Antenna Height cm	Table Degree	Comment
1		30.4850	-63.37	17.16	-46.21	-13.00	-33.21	peak		
2	*	845.2850	-3.90	3.99	0.09	-13.00	13.09	peak		Tx

*:Maximum data x:Over limit !:over margin

File :VT6081(CH4233) Data :#4 Date: 2014/5/28 Time: 下午 10:15:47

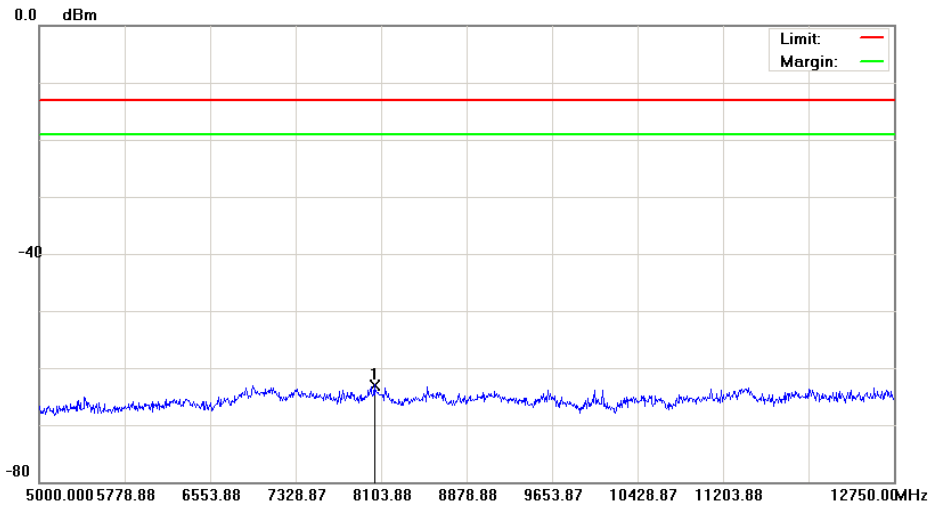


Site: site #1	Polarization: Conducted Power	Temperature: 26 °C
Limit: FCC Part 22 conducted(9k-12.75G)	Power: AC 120V/60Hz	Humidity: 55 %
EUT: 10.1" Tablet	Distance:	RBW: 1000 KHz VBW: 3000 KHz
M/N: VT6081		
Mode: WCDMA Band V		
Note:		

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	cm	degree	Comment
1	*	2536.000	-59.00	4.42	-54.58	-13.00	-41.58	peak		

*:Maximum data x:Over limit !:over margin

File :VT6081(CH4233) Data :#5 Date: 2014/5/28 Time: 下午 10:16:10



Site: site #1	Polarization: Conducted Power	Temperature: 26 °C
Limit: FCC Part 22 conducted(9k-12.75G)	Power: AC 120V/60Hz	Humidity: 55 %
EUT: 10.1" Tablet	Distance:	RBW: 1000 KHz VBW: 3000 KHz
M/N: VT6081		
Mode: WCDMA Band V		
Note:		

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	cm	degree	Comment
1	*	8038.000	-68.30	5.30	-63.00	-13.00	-50.00	peak		

*:Maximum data x:Over limit !:over margin

8 Field Strength of Spurious Radiation Test

8.1. Limit

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10\log(P)$ dB.

It is measured by means of a calibrated spectrum analyzer and scanned from 30 MHz up to a frequency including its 10th harmonic.

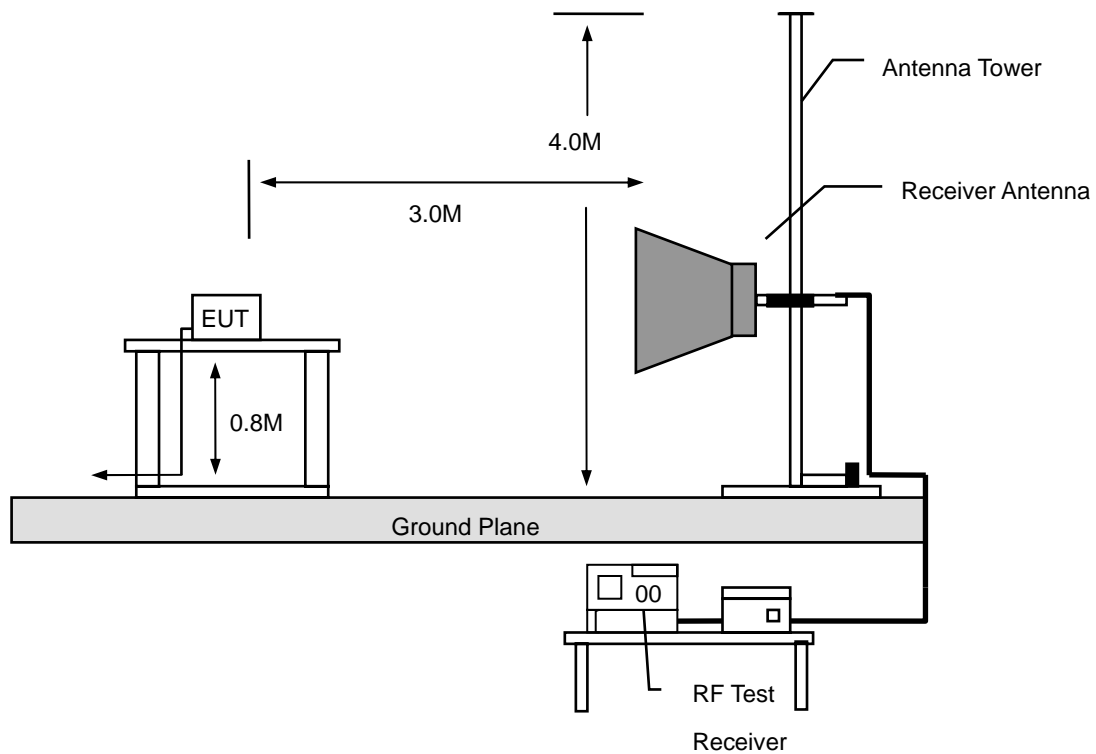
8.2. Test Instruments

3 Meter Chamber					
Equipment	Manufacturer	Model Number	Serial Number	Cal. Date	Remark
RF Pre-selector	Agilent	N9039A	MY46520256	01/10/2014	(1)
Spectrum Analyzer	Agilent	E4446A	MY46180578	01/10/2014	(1)
Pre Amplifier	Agilent	8449B	3008A02237	02/21/2014	(1)
Pre Amplifier	Agilent	8447D	2944A10961	02/21/2014	(1)
Broadband Antenna (30MHz~1GHz)	SCHWARZBECK MESS-ELEKTRONIK	VULB9163	9163-270	07/16/2013	(1)
Horn Antenna (1~18GHz)	SCHWARZBECK MESS-ELEKTRONIK	BBHA9120D	9120D-550	06/10/2013	(1)
Horn Antenna (18~40GHz)	SCHWARZBECK MESS-ELEKTRONIK	BBHA9170	9170-320	06/13/2013	(1)
Test Site	ATL	TE01	888001	08/28/2013	(1)

Remark: ⁽¹⁾ Calibration period 1 year. ⁽²⁾ Calibration period 2 years.

Note: N.C.R. = No Calibration Request.

8.3. Setup



8.4. Test Procedure

Final radiation measurements were made on a three-meter, Semi Anechoic Chamber. The EUT system was placed on a nonconductive turntable which is 0.8 meters height, top surface 1.0 x 1.5 meter. The spectrum was examined from 250 MHz to 2.5 GHz in order to cover the whole spectrum below 10th harmonic which could generate from the EUT. During the test, EUT was set to transmit continuously & Measurements spectrum range from 30 MHz to 26.5 GHz is investigated.

For measurements below 1 GHz the resolution bandwidth is set to 100 kHz for peak detection measurements or 120 kHz for quasi-peak detection measurements. Peak detection is used unless otherwise noted as quasi-peak.

For measurements above 1 GHz the resolution bandwidth is set to 1 MHz, and then the video bandwidth is set to 1 MHz for peak measurements and 10 Hz for average measurements.

A nonconductive material surrounded the EUT to supporting the EUT for standing on three orthogonal planes. At each condition, the EUT was rotated 360 degrees, and the antenna was raised and lowered from one to four meters to find the maximum emission levels. Measurements were taken using both horizontal and vertical antenna polarization.

SCHWARZBECK MESS-ELEKTRONIK Biconilog Antenna (mode VULB9163) at 3 Meter and the SCHWARZBECK Double Ridged Guide Antenna (model BBHA9120D&9170) was used in frequencies 1 – 26.5 GHz at a distance of 1 meter. All test results were extrapolated to equivalent signal at 3 meters utilizing an inverse linear distance extrapolation Factor (20dB/decade).

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.

Appropriate preamplifiers were used for improving sensitivity and precautions were taken to avoid overloading or desensitizing the spectrum analyzer. No post – detector video filters were used in the test.

The spectrum analyzer's 6 dB bandwidth was set to 1 MHz, and the analyzer was operated in the peak detection mode, for frequencies both below and up 1 GHz. The average levels were obtained by subtracting the duty cycle correction factor from the peak readings.

The following procedures were used to convert the emission levels measured in decibels referenced to 1 microvolt (dBuV) into field intensity in micro volts per meter (uV/m).

The actual field intensity in decibels referenced to 1 microvolt in to field intensity in micro volts per meter (dBuV/m). The actual field intensity in decibels referenced to 1 microvolt per meter (dBuV/m) is determined by algebraically adding the measured reading in dBuV, the antenna factor (dB), and cable loss (dB) and Subtracting the gain of preamplifier (dB) is auto calculate in spectrum analyzer.

$$(1) \text{ Amplitude (dBuV/m) = FI (dBuV) +AF (dBuV) +CL (dBuV)-Gain (dB)}$$

FI= Reading of the field intensity.

AF= Antenna factor.

CL= Cable loss.

P.S Amplitude is auto calculate in spectrum analyzer.

$$(2) \text{ Actual Amplitude (dBuV/m) = Amplitude (dBuV)-Dis(dB)}$$

The FCC specified emission limits were calculated according the EUT operating frequency and by following linear interpolation equations:

(a) For fundamental frequency : Transmitter Output < +30dBm

(b) For spurious frequency : Spurious emission limits = fundamental emission limit /10

8.5. Uncertainty

The measurement uncertainty is defined as for Field Strength of Spurious Radiation measurement is ± 3.072 dB.

8.6. Test Result

Standard:	FCC Part 22	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	VT6081	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	1	Date:	05/31/2014
Frequency:	824.2 MHz	Test By:	Eric Ou Yang

Frequency (MHz)	Reading (dBm)	Correct Factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	Ant.Polar. H / V
90.0000	-74.58	-1.14	-75.72	-13.00	-62.72	peak	H
162.0000	-70.82	5.66	-65.16	-13.00	-52.16	peak	H
216.0000	-57.52	-0.54	-58.06	-13.00	-45.06	peak	H
324.0000	-67.75	-1.42	-69.17	-13.00	-56.17	peak	H
414.0000	-69.47	2.34	-67.13	-13.00	-54.13	peak	H
690.0000	-75.47	6.84	-68.63	-13.00	-55.63	peak	H
3220.000	-70.56	12.11	-58.45	-13.00	-45.45	peak	H
4768.000	-73.14	15.44	-57.70	-13.00	-44.70	peak	H
7168.000	-74.79	24.01	-50.78	-13.00	-37.78	peak	H
130.5000	-74.37	19.05	-55.32	-13.00	-42.32	peak	V
198.0000	-59.86	8.15	-51.71	-13.00	-38.71	peak	V
324.0000	-64.17	0.50	-63.67	-13.00	-50.67	peak	V
414.0000	-71.83	0.51	-71.32	-13.00	-58.32	peak	V
483.0000	-70.45	1.70	-68.75	-13.00	-55.75	peak	V
621.0000	-71.05	8.21	-62.84	-13.00	-49.84	peak	V
3268.000	-71.85	15.57	-56.28	-13.00	-43.28	peak	V
4768.000	-71.82	19.61	-52.21	-13.00	-39.21	peak	V
7168.000	-73.69	21.72	-51.97	-13.00	-38.97	peak	V

Standard:	FCC Part 22	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	VT6081	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	1	Date:	05/31/2014
Frequency:	836.6 MHz	Test By:	Eric Ou Yang

Frequency (MHz)	Reading (dBm)	Correct Factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	Ant.Polar. H / V
162.0000	-71.32	5.66	-65.66	-13.00	-52.66	peak	H
216.0000	-56.52	-0.54	-57.06	-13.00	-44.06	peak	H
324.0000	-68.19	-1.42	-69.61	-13.00	-56.61	peak	H
483.0000	-71.21	5.17	-66.04	-13.00	-53.04	peak	H
621.0000	-77.82	6.99	-70.83	-13.00	-57.83	peak	H
690.0000	-73.84	6.84	-67.00	-13.00	-54.00	peak	H
3268.000	-71.72	12.26	-59.46	-13.00	-46.46	peak	H
4720.000	-72.46	15.18	-57.28	-13.00	-44.28	peak	H
7132.000	-74.41	23.89	-50.52	-13.00	-37.52	peak	H
130.5000	-72.94	19.05	-53.89	-13.00	-40.89	peak	V
216.0000	-52.80	6.27	-46.53	-13.00	-33.53	peak	V
324.0000	-63.00	0.50	-62.50	-13.00	-49.50	peak	V
414.0000	-66.52	0.51	-66.01	-13.00	-53.01	peak	V
621.0000	-70.69	8.21	-62.48	-13.00	-49.48	peak	V
690.0000	-75.31	9.73	-65.58	-13.00	-52.58	peak	V
3292.000	-72.06	15.73	-56.33	-13.00	-43.33	peak	V
4756.000	-71.65	19.59	-52.06	-13.00	-39.06	peak	V
7216.000	-74.03	21.79	-52.24	-13.00	-39.24	peak	V

Standard:	FCC Part 22	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	VT6081	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	1	Date:	05/31/2014
Frequency:	848.8 MHz	Test By:	Eric Ou Yang

Frequency (MHz)	Reading (dBm)	Correct Factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	Ant.Polar. H / V
126.0000	-69.31	-0.89	-70.20	-13.00	-57.20	peak	H
216.0000	-57.43	-0.54	-57.97	-13.00	-44.97	peak	H
324.0000	-67.58	-1.42	-69.00	-13.00	-56.00	peak	H
414.0000	-70.84	2.34	-68.50	-13.00	-55.50	peak	H
483.0000	-72.80	5.17	-67.63	-13.00	-54.63	peak	H
663.0000	-79.98	6.81	-73.17	-13.00	-60.17	peak	H
3280.000	-71.25	12.31	-58.94	-13.00	-45.94	peak	H
4756.000	-72.25	15.38	-56.87	-13.00	-43.87	peak	H
7132.000	-74.09	23.89	-50.20	-13.00	-37.20	peak	H
130.5000	-74.20	19.05	-55.15	-13.00	-42.15	peak	V
216.0000	-54.42	6.27	-48.15	-13.00	-35.15	peak	V
288.0000	-68.94	1.08	-67.86	-13.00	-54.86	peak	V
324.0000	-63.51	0.50	-63.01	-13.00	-50.01	peak	V
486.0000	-72.25	1.75	-70.50	-13.00	-57.50	peak	V
621.0000	-72.22	8.21	-64.01	-13.00	-51.01	peak	V
3244.000	-72.31	15.43	-56.88	-13.00	-43.88	peak	V
4720.000	-75.99	19.52	-56.47	-13.00	-43.47	peak	V
7120.000	-74.60	21.63	-52.97	-13.00	-39.97	peak	V

Standard:	FCC Part 24	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	VT6081	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	2	Date:	05/31/2014
Frequency:	1850.2 MHz	Test By:	Eric Ou Yang

Frequency (MHz)	Reading (dBm)	Correct Factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	Ant.Polar. H / V
126.0000	-69.53	-0.89	-70.42	-13.00	-57.42	peak	H
162.0000	-69.15	5.66	-63.49	-13.00	-50.49	peak	H
216.0000	-56.55	-0.54	-57.09	-13.00	-44.09	peak	H
324.0000	-67.05	-1.42	-68.47	-13.00	-55.47	peak	H
414.0000	-68.15	2.34	-65.81	-13.00	-52.81	peak	H
483.0000	-69.95	5.17	-64.78	-13.00	-51.78	peak	H
3292.000	-71.14	12.35	-58.79	-13.00	-45.79	peak	H
4756.000	-73.77	15.38	-58.39	-13.00	-45.39	peak	H
7156.000	-73.82	23.97	-49.85	-13.00	-36.85	peak	H
130.5000	-74.50	19.05	-55.45	-13.00	-42.45	peak	V
216.0000	-50.68	6.27	-44.41	-13.00	-31.41	peak	V
288.0000	-67.86	1.08	-66.78	-13.00	-53.78	peak	V
414.0000	-73.46	0.51	-72.95	-13.00	-59.95	peak	V
483.0000	-69.57	1.70	-67.87	-13.00	-54.87	peak	V
621.0000	-74.11	8.21	-65.90	-13.00	-52.90	peak	V
3232.000	-71.36	15.36	-56.00	-13.00	-43.00	peak	V
4756.000	-73.62	19.59	-54.03	-13.00	-41.03	peak	V
7132.000	-74.58	21.65	-52.93	-13.00	-39.93	peak	V

Standard:	FCC Part 24	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	VT6081	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	2	Date:	05/31/2014
Frequency:	1880.0 MHz	Test By:	Eric Ou Yang

Frequency (MHz)	Reading (dBm)	Correct Factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	Ant.Polar. H / V
108.0000	-66.46	-4.63	-71.09	-13.00	-58.09	peak	H
162.0000	-73.05	5.66	-67.39	-13.00	-54.39	peak	H
216.0000	-56.74	-0.54	-57.28	-13.00	-44.28	peak	H
324.0000	-67.60	-1.42	-69.02	-13.00	-56.02	peak	H
414.0000	-68.19	2.34	-65.85	-13.00	-52.85	peak	H
483.0000	-69.08	5.17	-63.91	-13.00	-50.91	peak	H
3316.000	-71.06	12.41	-58.65	-13.00	-45.65	peak	H
4756.000	-73.69	15.38	-58.31	-13.00	-45.31	peak	H
7204.000	-72.86	24.10	-48.76	-13.00	-35.76	peak	H
126.0000	-70.03	14.55	-55.48	-13.00	-42.48	peak	V
207.0000	-54.07	8.80	-45.27	-13.00	-32.27	peak	V
288.0000	-65.50	1.08	-64.42	-13.00	-51.42	peak	V
324.0000	-63.92	0.50	-63.42	-13.00	-50.42	peak	V
486.0000	-69.70	1.75	-67.95	-13.00	-54.95	peak	V
621.0000	-71.90	8.21	-63.69	-13.00	-50.69	peak	V
3280.000	-70.70	15.65	-55.05	-13.00	-42.05	peak	V
4756.000	-73.78	19.59	-54.19	-13.00	-41.19	peak	V
7156.000	-75.36	21.69	-53.67	-13.00	-40.67	peak	V

Standard:	FCC Part 24	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	VT6081	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	2	Date:	05/31/2014
Frequency:	1909.8 MHz	Test By:	Eric Ou Yang

Frequency (MHz)	Reading (dBm)	Correct Factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	Ant.Polar. H / V
162.0000	-70.13	5.66	-64.47	-13.00	-51.47	peak	H
216.0000	-57.60	-0.54	-58.14	-13.00	-45.14	peak	H
324.0000	-67.71	-1.42	-69.13	-13.00	-56.13	peak	H
414.0000	-68.55	2.34	-66.21	-13.00	-53.21	peak	H
483.0000	-69.18	5.17	-64.01	-13.00	-51.01	peak	H
621.0000	-76.10	6.99	-69.11	-13.00	-56.11	peak	H
3292.000	-71.76	12.35	-59.41	-13.00	-46.41	peak	H
4720.000	-73.64	15.18	-58.46	-13.00	-45.46	peak	H
7132.000	-72.72	23.89	-48.83	-13.00	-35.83	peak	H
130.5000	-70.89	19.05	-51.84	-13.00	-38.84	peak	V
207.0000	-53.74	8.80	-44.94	-13.00	-31.94	peak	V
324.0000	-64.45	0.50	-63.95	-13.00	-50.95	peak	V
483.0000	-70.16	1.70	-68.46	-13.00	-55.46	peak	V
621.0000	-72.63	8.21	-64.42	-13.00	-51.42	peak	V
718.5000	-80.62	10.71	-69.91	-13.00	-56.91	peak	V
3292.000	-71.29	15.73	-55.56	-13.00	-42.56	peak	V
4828.000	-72.83	19.72	-53.11	-13.00	-40.11	peak	V
7228.000	-74.29	21.81	-52.48	-13.00	-39.48	peak	V

Standard:	FCC Part 24	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	VT6081	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	5	Date:	05/31/2014
Frequency:	1852.4 MHz	Test By:	Eric Ou Yang

Frequency (MHz)	Reading (dBm)	Correct Factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	Ant.Polar. H / V
162.0000	-66.97	5.66	-61.31	-13.00	-48.31	peak	H
216.0000	-53.62	-0.54	-54.16	-13.00	-41.16	peak	H
252.0000	-55.35	-4.86	-60.21	-13.00	-47.21	peak	H
414.0000	-62.54	2.34	-60.20	-13.00	-47.20	peak	H
483.0000	-63.68	5.17	-58.51	-13.00	-45.51	peak	H
621.0000	-72.17	6.99	-65.18	-13.00	-52.18	peak	H
3316.000	-72.58	12.41	-60.17	-13.00	-47.17	peak	H
4768.000	-73.21	15.44	-57.77	-13.00	-44.77	peak	H
7168.000	-72.65	24.01	-48.64	-13.00	-35.64	peak	H
130.5000	-75.31	19.05	-56.26	-13.00	-43.26	peak	V
216.0000	-52.74	6.27	-46.47	-13.00	-33.47	peak	V
324.0000	-65.59	0.50	-65.09	-13.00	-52.09	peak	V
486.0000	-69.42	1.75	-67.67	-13.00	-54.67	peak	V
565.5000	-75.89	3.81	-72.08	-13.00	-59.08	peak	V
621.0000	-72.31	8.21	-64.10	-13.00	-51.10	peak	V
3244.000	-70.99	15.43	-55.56	-13.00	-42.56	peak	V
4768.000	-72.34	19.61	-52.73	-13.00	-39.73	peak	V
7132.000	-74.38	21.65	-52.73	-13.00	-39.73	peak	V

Standard:	FCC Part 24	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	VT6081	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	5	Date:	05/31/2014
Frequency:	1880.0 MHz	Test By:	Eric Ou Yang

Frequency (MHz)	Reading (dBm)	Correct Factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	Ant.Polar. H / V
162.0000	-70.07	5.66	-64.41	-13.00	-51.41	peak	H
216.0000	-55.84	-0.54	-56.38	-13.00	-43.38	peak	H
324.0000	-67.59	-1.42	-69.01	-13.00	-56.01	peak	H
414.0000	-71.95	2.34	-69.61	-13.00	-56.61	peak	H
483.0000	-71.97	5.17	-66.80	-13.00	-53.80	peak	H
690.0000	-73.93	6.84	-67.09	-13.00	-54.09	peak	H
3292.000	-71.00	12.35	-58.65	-13.00	-45.65	peak	H
4720.000	-73.91	15.18	-58.73	-13.00	-45.73	peak	H
7168.000	-74.03	24.01	-50.02	-13.00	-37.02	peak	H
130.5000	-72.45	19.05	-53.40	-13.00	-40.40	peak	V
216.0000	-51.67	6.27	-45.40	-13.00	-32.40	peak	V
324.0000	-64.10	0.50	-63.60	-13.00	-50.60	peak	V
486.0000	-71.34	1.75	-69.59	-13.00	-56.59	peak	V
621.0000	-71.24	8.21	-63.03	-13.00	-50.03	peak	V
724.5000	-81.01	10.68	-70.33	-13.00	-57.33	peak	V
3268.000	-70.19	15.57	-54.62	-13.00	-41.62	peak	V
4732.000	-73.75	19.54	-54.21	-13.00	-41.21	peak	V
7132.000	-74.05	21.65	-52.40	-13.00	-39.40	peak	V

Standard:	FCC Part 24	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	VT6081	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	5	Date:	05/31/2014
Frequency:	1907.6 MHz	Test By:	Eric Ou Yang

Frequency (MHz)	Reading (dBm)	Correct Factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	Ant.Polar. H / V
162.0000	-70.40	5.66	-64.74	-13.00	-51.74	peak	H
216.0000	-55.37	-0.54	-55.91	-13.00	-42.91	peak	H
324.0000	-67.88	-1.42	-69.30	-13.00	-56.30	peak	H
414.0000	-70.52	2.34	-68.18	-13.00	-55.18	peak	H
483.0000	-71.45	5.17	-66.28	-13.00	-53.28	peak	H
690.0000	-75.13	6.84	-68.29	-13.00	-55.29	peak	H
3232.000	-70.50	12.16	-58.34	-13.00	-45.34	peak	H
4732.000	-74.34	15.24	-59.10	-13.00	-46.10	peak	H
7132.000	-73.28	23.89	-49.39	-13.00	-36.39	peak	H
126.0000	-70.59	14.55	-56.04	-13.00	-43.04	peak	V
207.0000	-57.43	8.80	-48.63	-13.00	-35.63	peak	V
324.0000	-68.70	0.50	-68.20	-13.00	-55.20	peak	V
414.0000	-71.49	0.51	-70.98	-13.00	-57.98	peak	V
486.0000	-70.25	1.75	-68.50	-13.00	-55.50	peak	V
621.0000	-70.29	8.21	-62.08	-13.00	-49.08	peak	V
3244.000	-71.47	15.43	-56.04	-13.00	-43.04	peak	V
4768.000	-73.73	19.61	-54.12	-13.00	-41.12	peak	V
7180.000	-73.68	21.74	-51.94	-13.00	-38.94	peak	V

Standard:	FCC Part 22	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	VT6081	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	6	Date:	05/31/2014
Frequency:	826.4 MHz	Test By:	Eric Ou Yang

Frequency (MHz)	Reading (dBm)	Correct Factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	Ant.Polar. H / V
162.0000	-72.43	5.66	-66.77	-13.00	-53.77	peak	H
216.0000	-54.92	-0.54	-55.46	-13.00	-42.46	peak	H
324.0000	-68.28	-1.42	-69.70	-13.00	-56.70	peak	H
414.0000	-70.00	2.34	-67.66	-13.00	-54.66	peak	H
483.0000	-68.19	5.17	-63.02	-13.00	-50.02	peak	H
621.0000	-76.56	6.99	-69.57	-13.00	-56.57	peak	H
3316.000	-71.82	12.41	-59.41	-13.00	-46.41	peak	H
4768.000	-73.64	15.44	-58.20	-13.00	-45.20	peak	H
7120.000	-73.42	23.86	-49.56	-13.00	-36.56	peak	H
126.0000	-69.47	14.55	-54.92	-13.00	-41.92	peak	V
207.0000	-53.32	8.80	-44.52	-13.00	-31.52	peak	V
288.0000	-66.23	1.08	-65.15	-13.00	-52.15	peak	V
324.0000	-64.04	0.50	-63.54	-13.00	-50.54	peak	V
483.0000	-70.49	1.70	-68.79	-13.00	-55.79	peak	V
621.0000	-73.31	8.21	-65.10	-13.00	-52.10	peak	V
3268.000	-70.55	15.57	-54.98	-13.00	-41.98	peak	V
4756.000	-73.37	19.59	-53.78	-13.00	-40.78	peak	V
7108.000	-74.41	21.63	-52.78	-13.00	-39.78	peak	V

Standard:	FCC Part 22	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	VT6081	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	6	Date:	05/31/2014
Frequency:	836.6 MHz	Test By:	Eric Ou Yang

Frequency (MHz)	Reading (dBm)	Correct Factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	Ant.Polar. H / V
126.0000	-68.96	-0.89	-69.85	-13.00	-56.85	peak	H
216.0000	-55.61	-0.54	-56.15	-13.00	-43.15	peak	H
324.0000	-66.69	-1.42	-68.11	-13.00	-55.11	peak	H
414.0000	-67.74	2.34	-65.40	-13.00	-52.40	peak	H
483.0000	-69.19	5.17	-64.02	-13.00	-51.02	peak	H
690.0000	-75.99	6.84	-69.15	-13.00	-56.15	peak	H
3364.000	-71.65	12.57	-59.08	-13.00	-46.08	peak	H
4804.000	-73.92	15.63	-58.29	-13.00	-45.29	peak	H
7132.000	-73.69	23.89	-49.80	-13.00	-36.80	peak	H
130.5000	-76.63	19.05	-57.58	-13.00	-44.58	peak	V
216.0000	-49.84	6.27	-43.57	-13.00	-30.57	peak	V
324.0000	-63.62	0.50	-63.12	-13.00	-50.12	peak	V
483.0000	-68.26	1.70	-66.56	-13.00	-53.56	peak	V
621.0000	-72.49	8.21	-64.28	-13.00	-51.28	peak	V
690.0000	-77.70	9.73	-67.97	-13.00	-54.97	peak	V
3244.000	-71.70	15.43	-56.27	-13.00	-43.27	peak	V
5200.000	-74.55	19.79	-54.76	-13.00	-41.76	peak	V
7300.000	-75.59	21.92	-53.67	-13.00	-40.67	peak	V

Standard:	FCC Part 22	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	VT6081	Temp.(°C)/Hum.(%RH):	26(°C)/60%RH
Mode:	6	Date:	05/31/2014
Frequency:	846.6 MHz	Test By:	Eric Ou Yang

Frequency (MHz)	Reading (dBm)	Correct Factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	Ant.Polar. H / V
162.0000	-71.75	5.66	-66.09	-13.00	-53.09	peak	H
216.0000	-55.46	-0.54	-56.00	-13.00	-43.00	peak	H
324.0000	-68.86	-1.42	-70.28	-13.00	-57.28	peak	H
414.0000	-67.92	2.34	-65.58	-13.00	-52.58	peak	H
483.0000	-68.59	5.17	-63.42	-13.00	-50.42	peak	H
621.0000	-78.03	6.99	-71.04	-13.00	-58.04	peak	H
3244.000	-71.25	12.19	-59.06	-13.00	-46.06	peak	H
4756.000	-73.81	15.38	-58.43	-13.00	-45.43	peak	H
7228.000	-73.37	24.17	-49.20	-13.00	-36.20	peak	H
130.5000	-75.79	19.05	-56.74	-13.00	-43.74	peak	V
216.0000	-49.61	6.27	-43.34	-13.00	-30.34	peak	V
324.0000	-64.31	0.50	-63.81	-13.00	-50.81	peak	V
451.5000	-72.69	1.03	-71.66	-13.00	-58.66	peak	V
483.0000	-67.85	1.70	-66.15	-13.00	-53.15	peak	V
621.0000	-72.49	8.21	-64.28	-13.00	-51.28	peak	V
3280.000	-71.11	15.65	-55.46	-13.00	-42.46	peak	V
4816.000	-74.17	19.70	-54.47	-13.00	-41.47	peak	V
7204.000	-72.03	21.76	-50.27	-13.00	-37.27	peak	V

9 Frequency Stability (Temperature & Voltage Variation) Test

9.1. Limit

The frequency stability shall be measured by variation of ambient temperature and variation of primary supply voltage to ensure that the fundamental emission stays within the authorized frequency block. The frequency stability of the transmitter shall be maintained within $\pm 0.00025\%$ ($\pm 2.5\text{ppm}$) of the center frequency.

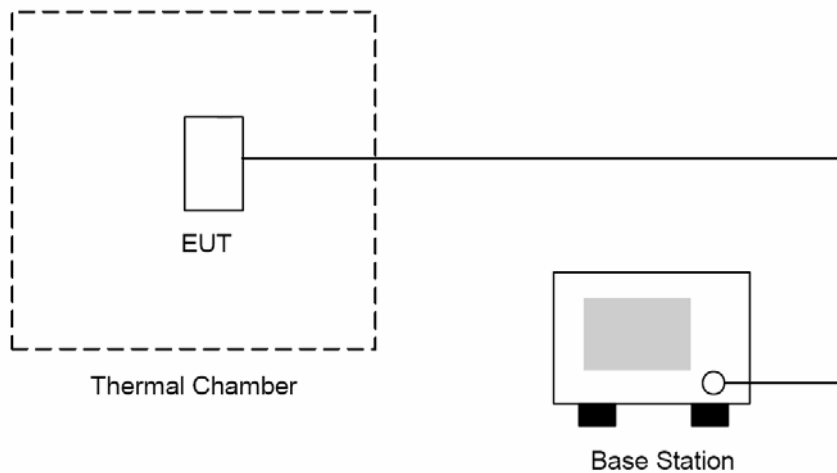
9.2. Test Instruments

Equipment	Manufacturer	Model Number	Serial Number	Cal. Date	Remark
Universal Radio Communication Tester	R & S	CMU200	109369	08/07/2012	(2)
Temperature & Humidity Chamber	TAICHY	MHU-225LA	980729	08/07/2013	(1)
Test Site	ATL	TE05	TE05	N.C.R.	-----

Remark: ⁽¹⁾ Calibration period 1 year. ⁽²⁾ Calibration period 2 years.

Note: N.C.R. = No Calibration Request.

9.3. Setup



9.4. Test Procedure

The measurement is made according to FCC rules part 22 and 24:

1. The EUT and test equipment were set up as shown on the following section.
2. With all power removed, the temperature was decreased to -30°C and permitted to stabilize for three hours. Power was applied and the maximum change in frequency was note within one minute.
3. With power OFF, the temperature was raised in 10°C steps. The sample was permitted to stabilize at each step for at least one-half hour. Power was applied and the maximum frequency change was noted within one minute.
4. The EUT was placed in a temperature chamber at $25 \pm 5^{\circ}\text{C}$ and connected as the following section.
5. The power supply voltage to the EUT was varied from BEP to 115% of the nominal value measured at the input to the EUT.
6. The temperature tests were performed for the worst case.
7. Test data was recorded.

9.5. Uncertainty

The measurement uncertainty is defined as for Frequency Stability (Temperature Variation) measurement is $\pm 10\text{Hz}$.

9.6. Test Result

Model Number	VT6081					
Test Item	Frequency Stability (Temperature & Voltage Variation)					
Test Mode	Mode 1					
Date of Test	06/03/2014				Test Site	TE05
Level	Voltage [Vac]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Result
Normal	120.00	-10	54	0.065	±2.5	Pass
Normal	120.00	0	47	0.056	±2.5	Pass
Normal	120.00	10	33	0.039	±2.5	Pass
High Voltage	138.00	20	56	0.067	±2.5	Pass
Normal	120.00	20	22	0.026	±2.5	Pass
Low Voltage	102.00	20	37	0.044	±2.5	Pass
Normal	120.00	30	49	0.059	±2.5	Pass
Normal	120.00	40	21	0.025	±2.5	Pass
Normal	120.00	50	37	0.044	±2.5	Pass

Model Number	VT6081					
Test Item	Frequency Stability (Temperature & Voltage Variation)					
Test Mode	Mode 2					
Date of Test	06/03/2014				Test Site	TE05
Level	Voltage [Vac]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Result
Normal	120.00	-10	25	0.013	±2.5	Pass
Normal	120.00	0	54	0.029	±2.5	Pass
Normal	120.00	10	-56	-0.030	±2.5	Pass
High Voltage	138.00	20	23	0.012	±2.5	Pass
Normal	120.00	20	18	0.010	±2.5	Pass
Low Voltage	102.00	20	45	0.024	±2.5	Pass
Normal	120.00	30	-37	-0.020	±2.5	Pass
Normal	120.00	40	21	0.011	±2.5	Pass
Normal	120.00	50	19	0.010	±2.5	Pass

Note: 1. The EUT stops transmitting at temperatures -20°C & -30°C .

2. The manufacturer declared that the EUT could work properly between temperatures -10°C ~ 50°C .

Model Number	VT6081					
Test Item	Frequency Stability (Temperature & Voltage Variation)					
Test Mode	Mode 5					
Date of Test	06/03/2014				Test Site	TE05
Level	Voltage [Vac]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Result
Normal	120.00	-10	33	0.018	±2.5	Pass
Normal	120.00	0	-6	-0.003	±2.5	Pass
Normal	120.00	10	-9	-0.005	±2.5	Pass
High Voltage	138.00	20	21	0.011	±2.5	Pass
Normal	120.00	20	-45	-0.024	±2.5	Pass
Low Voltage	102.00	20	-32	-0.017	±2.5	Pass
Normal	120.00	30	-7	-0.004	±2.5	Pass
Normal	120.00	40	5	0.003	±2.5	Pass
Normal	120.00	50	13	0.007	±2.5	Pass

Model Number	VT6081					
Test Item	Frequency Stability (Temperature & Voltage Variation)					
Test Mode	Mode 6					
Date of Test	06/03/2014				Test Site	TE05
Level	Voltage [Vac]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Result
Normal	120.00	-10	-21	-0.025	±2.5	Pass
Normal	120.00	0	33	0.039	±2.5	Pass
Normal	120.00	10	5	0.006	±2.5	Pass
High Voltage	138.00	20	-16	-0.019	±2.5	Pass
Normal	120.00	20	-22	-0.026	±2.5	Pass
Low Voltage	102.00	20	-31	-0.037	±2.5	Pass
Normal	120.00	30	-22	-0.026	±2.5	Pass
Normal	120.00	40	-56	-0.067	±2.5	Pass
Normal	120.00	50	-33	-0.039	±2.5	Pass

Note: 1. The EUT stops transmitting at temperatures -20°C & -30°C .

2. The manufacturer declared that the EUT could work properly between temperatures -10°C ~ 50°C .