FCC 47 CFR PART 22H and 24E

Test Report

Product Type	:	Wireless Mobile HotSpot
Applicant	:	Netgear Incorporated
Address	:	350 East Plumeria Drive San Jose, CA 95134 United States
Model Number	:	AirCard 771S
Test Specification	:	FCC 47 CFR PART 22H: Oct, 2012 FCC 47 CFR PART 24E: Oct, 2012 FCC 47 CFR PART 90: Oct, 2012 ANSI/TIA-603-C-2004
Application Purpose	:	Original
Receive Date	:	Feb. 19, 2013
Test Period	:	Feb. 25 ~ Jun. 19, 2013
Issue Date	:	Jun. 20, 2013

Issue by

A Test Lab Techno Corp.
No. 140-1, Changan Street, Bade City,
Taoyuan County 334, Taiwan R.O.C.
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Taiwan Accreditation Foundation accreditation number: 1330

Revision History

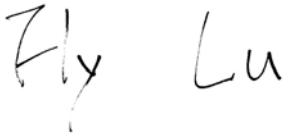
Rev.	Issue Date	Revisions	Revised By
00	Apr. 10, 2013	Initial Issue	
01	Apr. 11, 2013	Revised report information.	Joyce Liao
02	May. 24, 2013	Revised section 3.4 and 7.4 description.	Joyce Liao
03	Jun. 20, 2013	Re-test WCDMA Band 2 conducted power.	Joyce Liao

Verification of Compliance

Issued Date: 06/20/2013

Product Type	:	Wireless Mobile HotSpot
Applicant	:	Netgear Incorporated
Address	:	350 East Plumeria Drive San Jose, CA 95134 United States
Model Number	:	AirCard 771S
FCC ID	:	PY3AC771S
Applicable Standard	:	FCC 47 CFR PART 22H: Oct, 2012 FCC 47 CFR PART 24E: Oct, 2012 FCC 47 CFR PART 90: Oct, 2012 ANSI/TIA-603-C-2004
Application Purpose	:	Original
Test Result	:	Complied
Performing Lab.	:	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 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	:		Reviewed By	:	
(Manager)		(Murphy Wang)	(Testing Engineer)		(Fly Lu)

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1 General Information

1.1. EUT Description

Applicant		Netgear Incorporated			
Applicant Address		350 East Plumeria Drive San Jose, CA 95134 United States			
Manufacturer		Netgear Incorporated			
Manufacturer Address		350 East Plumeria Drive San Jose, CA 95134 United States			
Product Type		Wireless Mobile HotSpot			
Model Number		AirCard 771S			
FCC ID		PY3AC771S			
Mode	GPRS/ EGPRS	Band	UL Frequency (MHz)	DL Frequency (MHz)	Modulation
		850	824.2 ~ 848.8	869.2 ~ 893.8	GMSK/8PSK
		1900	1850.2 ~ 1909.8	1930.2 ~ 1989.8	GMSK/8PSK
	WCDMA/ HSDPA/ HSUPA/ HSPA+	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
	CDMA/ 1xRTT/ 1xEV-DO	Band	UL Frequency (MHz)	DL Frequency (MHz)	Modulation
		800 (BC 0)	824.70 ~ 848.31	869.70 ~ 893.31	QPSK
		1900 (BC 1)	1851.25 ~ 1908.75	1931.25 ~ 1988.75	QPSK
		Sec. 800 (BC 10)	817.25 ~ 822.75	862.25 ~ 867.75	QPSK
Channel Control		Auto			

Max. RF Output power	GPRS 850	:	33.01	dBm	/	2.000	W
	EGPRS 850	:	31.13	dBm	/	1.297	W
	GPRS 1900	:	29.52	dBm	/	0.895	W
	EGPRS 1900	:	28.81	dBm	/	0.760	W
	WCDMA/HSDPA/HSUPA/HSPA+ Band II	:	26.47	dBm	/	0.444	W
	WCDMA/HSDPA/HSUPA/HSPA+ Band V	:	26.30	dBm	/	0.427	W
	CDMA/1xRTT 800 (BC 0)	:	23.62	dBm	/	0.230	W
	1xEV-DO 800 (BC 0)	:	27.45	dBm	/	0.556	W
	CDMA/1xRTT 1900 (BC 1)	:	23.37	dBm	/	0.217	W
	1xEV-DO 1900 (BC 1)	:	27.76	dBm	/	0.597	W
	CDMA/1xRTT Sec. 800 (BC 10)	:	23.46	dBm	/	0.222	W
	1xEV-DO Sec. 800 (BC 10)	:	27.26	dBm	/	0.532	W
Max. ERP/EIRP	GPRS 850	:	30.40	dBm	/	1.096	W
	EGPRS 850	:	30.18	dBm	/	1.042	W
	GPRS 1900	:	27.77	dBm	/	0.598	W
	EGPRS 1900	:	28.23	dBm	/	0.665	W
	WCDMA Band II	:	25.30	dBm	/	0.339	W
	WCDMA Band V	:	27.46	dBm	/	0.557	W
	CDMA 800 (BC 0)	:	29.98	dBm	/	0.995	W
	1xEV-DO 800 (BC 0)	:	28.36	dBm	/	0.685	W
	CDMA 1900 (BC 1)	:	26.45	dBm	/	0.442	W
	1xEV-DO 1900 (BC 1)	:	26.39	dBm	/	0.436	W
	CDMA Sec. 800 (BC 10)	:	27.63	dBm	/	0.579	W
	1xEV-DO Sec. 800 (BC 10)	:	29.98	dBm	/	0.995	W
Emission Designator	GPRS 850	:	244KGXW				
	EGPRS 850	:	245KG7W				
	GPRS 1900	:	242KGXW				
	EGPRS 1900	:	247KG7W				
	WCDMA Band II	:	4M18F9W				
	WCDMA Band V	:	4M19F9W				
	CDMA 800 (BC 0)	:	1M28F9W				
	CDMA 1900 (BC 1)	:	1M27F9W				
	CDMA Sec. 800 (BC 10)	:	1M28F9W				
	1xEV-DO 800 (BC 0)	:	1M27F9W				
	1xEV-DO 1900 (BC 1)	:	1M28F9W				
	1xEV-DO Sec. 800 (BC 10)	:	1M27F9W				

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:

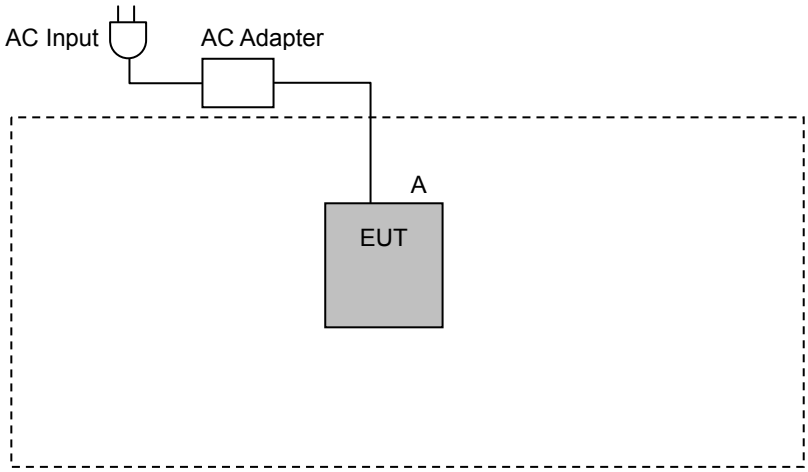
Test Mode
Mode 1: GPRS 850 Link Mode
Mode 2: GPRS 1900 Link Mode
Mode 3: EGPRS 850 Link Mode
Mode 4: EGPRS 1900 Link Mode
Mode 5: WCDMA Band II Link Mode
Mode 6: WCDMA Band V Link Mode
Mode 7: CDMA 800 (BC 0) Link Mode
Mode 8: CDMA 1900 (BC 1) Link Mode
Mode 9: CDMA Sec. 800 (BC 10) Link Mode
Mode 10: 1xEV-DO 800 (BC 0) Link Mode
Mode 11: 1xEV-DO 1900 (BC 1) Link Mode
Mode 12: 1xEV-DO Sec. 800 (BC 10) 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 "Y 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



Signal Cable Type		Signal Cable Description
A	USB Cable	Shielded, 1.2 m

1.5. Test Site Environment

Items	Required (IEC 68-1)	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	IC Rule	Limit	Result
Conducted Output Power	§2.1046	N/A	N/A	Pass
Effective Radiated Power	§22.913(a)(2)	RSS-132(4.4) SRSP-503(5.1.3)	< 7 Watts for FCC (<6.3 Watts for IC)	Pass
Effective Radiated Power	§90.635		< 100 Watts	Pass
Equivalent Isotropic Radiated Power	§24.232(c)	RSS-133 (6.4) SRSP-510(5.1.2)	< 2 Watts	Pass
Occupied Bandwidth	§2.1049 §22.917(a) §24.238(a) §90.691	RSS-Gen (4.6.1)	N/A	Pass
Band Edge Measurement	§2.1051 §22.917(a) §24.238(a) §90.691	RSS-132 (4.5.1)RSS-133 (6.5.1)	< 43+10log$_{10}$(P[Watts])	Pass
	§2.1051 §90.691		< 50 + 10log10 (P[Watts]) at Band Edge and for all out-of-band emissions within 37.5Khz of Block Edge	Pass
Conducted Spurious Emission	§2.1051 §22.917(a) §24.238(a)	RSS-132 (4.5.1) RSS-133 (6.5.1)	< 43+10log$_{10}$(P[Watts])	Pass
	§2.1051 §90.691		< 50 + 10log10 (P[Watts]) at Band Edge and for all out-of-band emissions within 37.5Khz of Block Edge	Pass
Field Strength of Spurious Radiation	§2.1053 §22.917(a) §24.238(a) §90.691	RSS-132 (4.5.1) RSS-133 (6.5.1) RSS-Gen (4.10)	< 43+10log$_{10}$(P[Watts])	Pass
Frequency Stability for Temperature & Voltage	§2.1055 §22.355 §24.235 §90.213	RSS-132(4.3) RSS-133(6.3)	< 2.5 ppm	Pass

2 RF Output Power Test

2.1. Limit

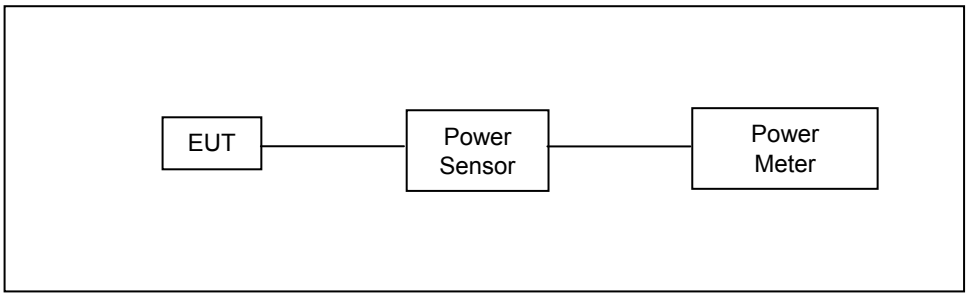
N/A

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	12/15/2011	(2)
Wideband Power Meter	Agilent	N1921A	MY45241957	12/15/2011	(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	AirCard 771S						
Test Item	RF Output Power						
Date of Test	02/25/2013			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	32.42	1.746	32.52	1.786
			836.6	32.81	1.910	**33.01**	**2.000**
			848.8	32.80	1.905	33.00	1.995
		3Down2Up (Duty Factor 2/8)	824.2	30.27	1.064	30.57	1.140
			836.6	30.19	1.045	30.49	1.119
			848.8	30.47	1.114	30.72	1.180
		2Down3Up (Duty Factor 3/8)	824.2	28.22	0.664	28.34	0.682
			836.6	28.36	0.685	28.48	0.705
			848.8	28.30	0.676	28.42	0.695
		1Down4Up (Duty Factor 4/8)	824.2	27.41	0.551	27.53	0.566
			836.6	27.45	0.556	27.57	0.571
			848.8	27.43	0.553	27.55	0.569
EGPRS 850 Multi Class :12 Max Up:4 Max Down:4 Sum:5	8PSK	4Down1Up (Duty Factor 1/8)	824.2	27.65	0.582	31.05	1.274
			836.6	27.60	0.575	31.08	1.282
			848.8	27.68	0.586	**31.13**	**1.297**
		3Down2Up (Duty Factor 2/8)	824.2	27.56	0.570	30.96	1.247
			836.6	27.65	0.582	31.04	1.271
			848.8	27.64	0.581	31.10	1.288
		2Down3Up (Duty Factor 3/8)	824.2	25.29	0.338	25.61	0.364
			836.6	25.31	0.340	25.63	0.366
			848.8	25.42	0.348	25.74	0.375
		1Down4Up (Duty Factor 4/8)	824.2	25.04	0.319	25.36	0.344
			836.6	25.07	0.321	25.39	0.346
			848.8	25.19	0.330	25.51	0.356

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

Model Number	AirCard 771S						
Test Item	RF Output Power						
Date of Test	02/25/2013			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	29.13	0.818	29.23	0.838
			1880.00	29.10	0.813	29.30	0.851
			1909.80	29.32	0.855	**29.52**	**0.895**
		3Down2Up (Duty Factor 2/8)	1850.20	29.32	0.855	29.42	0.875
			1880.00	29.02	0.798	29.12	0.817
			1909.80	29.22	0.836	29.32	0.855
		2Down3Up (Duty Factor 3/8)	1850.20	27.03	0.505	27.14	0.518
			1880.00	27.05	0.507	27.16	0.520
			1909.80	27.19	0.524	27.30	0.537
		1Down4Up (Duty Factor 4/8)	1850.20	25.95	0.394	26.06	0.404
			1880.00	25.98	0.396	26.09	0.406
			1909.80	26.14	0.411	26.25	0.422
EGPRS 1900 Multi Class :12 Max Up:4 Max Down:4 Sum:5	8PSK	4Down1Up (Duty Factor 1/8)	1850.20	25.34	0.342	28.54	0.714
			1880.00	25.38	0.345	28.48	0.705
			1909.80	25.61	0.364	**28.81**	**0.760**
		3Down2Up (Duty Factor 2/8)	1850.20	25.24	0.334	28.44	0.698
			1880.00	25.29	0.338	28.49	0.706
			1909.80	25.51	0.356	28.61	0.726
		2Down3Up (Duty Factor 3/8)	1850.20	24.45	0.279	24.78	0.301
			1880.00	24.53	0.284	24.86	0.306
			1909.80	24.70	0.295	25.03	0.318
		1Down4Up (Duty Factor 4/8)	1850.20	24.28	0.268	24.61	0.289
			1880.00	24.39	0.275	24.72	0.296
			1909.80	24.57	0.286	24.90	0.309

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

Model Number	AirCard 771S						
Test Item	RF Output Power						
Date of Test	06/20/2013			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	22.95	0.197	26.42	0.439
			1880.0	23.05	0.202	**26.47**	**0.444**
			1907.6	22.87	0.194	26.39	0.436
HSDPA Band II	QPSK	1	1852.4	22.15	0.164	25.62	0.365
			1880.0	22.06	0.161	25.53	0.357
			1907.6	21.81	0.152	25.28	0.337
		2	1852.4	22.12	0.163	25.60	0.363
			1880.0	22.04	0.160	25.50	0.355
			1907.6	21.80	0.151	25.25	0.335
		3	1852.4	21.63	0.146	25.16	0.328
			1880.0	21.56	0.143	25.08	0.322
			1907.6	21.27	0.134	24.76	0.299
		4	1852.4	21.60	0.145	25.11	0.324
			1880.0	21.52	0.142	25.05	0.320
			1907.6	21.25	0.133	24.78	0.301
HSUPA/HSPA+ Band II	QPSK	1	1852.4	21.59	0.144	25.06	0.321
			1880.0	20.70	0.117	24.17	0.261
			1907.6	20.77	0.119	24.24	0.265
		2	1852.4	19.65	0.092	23.01	0.200
			1880.0	18.70	0.074	22.11	0.163
			1907.6	18.80	0.076	22.30	0.170
		3	1852.4	20.61	0.115	24.04	0.254
			1880.0	19.68	0.093	23.15	0.207
			1907.6	19.73	0.094	23.16	0.207
		4	1852.4	19.61	0.091	22.97	0.198
			1880.0	18.61	0.073	22.09	0.162
			1907.6	18.74	0.075	22.25	0.168
		5	1852.4	21.56	0.143	25.01	0.317
			1880.0	20.66	0.116	24.14	0.259
			1907.6	20.73	0.118	24.16	0.261

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

Model Number	AirCard 771S						
Test Item	RF Output Power						
Date of Test	02/25/2013			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	22.95	0.197	26.13	0.410
			836.6	22.89	0.195	26.12	0.409
			846.6	23.10	0.204	**26.30**	**0.427**
HSDPA Band V	QPSK	1	826.4	21.74	0.149	24.94	0.312
			836.6	21.86	0.153	25.04	0.319
			846.6	21.96	0.157	25.19	0.330
		2	826.4	21.71	0.148	24.92	0.310
			836.6	21.84	0.153	25.01	0.317
			846.6	21.94	0.156	25.19	0.330
		3	826.4	21.28	0.134	24.46	0.279
			836.6	21.41	0.138	24.61	0.289
			846.6	21.54	0.143	24.76	0.299
		4	826.4	21.26	0.134	24.41	0.276
			836.6	21.35	0.136	24.56	0.286
			846.6	21.50	0.141	24.73	0.297
HSUPA/HSPA+ Band V	QPSK	1	826.4	21.74	0.149	24.92	0.310
			836.6	21.64	0.146	24.82	0.303
			846.6	20.62	0.115	23.80	0.240
		2	826.4	19.75	0.094	22.93	0.196
			836.6	19.70	0.093	22.85	0.193
			846.6	18.66	0.073	21.85	0.153
		3	826.4	20.75	0.119	23.92	0.247
			836.6	20.67	0.117	23.86	0.243
			846.6	19.66	0.092	22.84	0.192
		4	826.4	19.76	0.095	22.91	0.195
			836.6	19.66	0.092	22.80	0.191
			846.6	18.62	0.073	21.83	0.152
		5	826.4	21.71	0.148	24.89	0.308
			836.6	21.60	0.145	24.78	0.301
			846.6	20.56	0.114	23.76	0.238

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

Model Number	AirCard 771S						
Test Item	RF Output Power						
Date of Test	02/25/2013			Test Site		TE05	
Bands	Modulation Type	RC/TAP (REV)	Frequency (MHz)	Burst Average Power		Peak Power	
				(dBm)	(W)	(dBm)	(W)
CDMA 800 (BC 0)	QPSK	RC1/SO55	824.70	23.13	0.206	23.17	0.207
			836.52	23.18	0.208	**23.62**	**0.230**
			848.31	22.96	0.198	23.49	0.223
		RC3/SO55	824.70	23.06	0.202	23.13	0.206
			836.52	23.08	0.203	23.55	0.226
			848.31	22.91	0.195	23.47	0.222
1xRTT 800 (BC 0)	QPSK	RC3/SO32	824.70	23.01	0.200	23.14	0.206
			836.52	23.06	0.202	23.52	0.225
			848.31	22.86	0.193	23.09	0.204
1xEV-DO 800 (BC 0)	QPSK	Rel.0 RTAP	824.70	22.62	0.183	27.35	0.543
			836.52	22.65	0.184	**27.45**	**0.556**
			848.31	22.52	0.179	27.23	0.528
		Rel.A RETAP	824.70	22.59	0.182	27.21	0.526
			836.52	22.64	0.184	27.33	0.541
			848.31	22.49	0.177	27.16	0.520
CDMA 1900 (BC 1)	QPSK	RC1/SO55	1851.25	23.24	0.211	**23.37**	**0.217**
			1880.00	23.11	0.205	23.31	0.214
			1908.75	22.96	0.198	23.26	0.212
		RC3/SO55	1851.25	23.19	0.208	23.34	0.216
			1880.00	23.07	0.203	23.26	0.212
			1908.75	22.99	0.199	23.25	0.211
1xRTT 1900 (BC 1)	QPSK	RC3/SO32	1851.25	23.16	0.207	23.35	0.216
			1880.00	23.07	0.203	23.24	0.211
			1908.75	22.97	0.198	23.20	0.209
1xEV-DO 1900 (BC 1)	QPSK	Rel.0 RTAP	1851.25	23.19	0.208	**27.76**	**0.597**
			1880.00	23.16	0.207	27.59	0.574
			1908.75	23.07	0.203	27.48	0.560
		Rel.A RETAP	1851.25	23.16	0.207	27.66	0.583
			1880.00	23.14	0.206	27.51	0.564
			1908.75	22.97	0.198	27.36	0.545

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

Model Number	AirCard 771S						
Test Item	RF Output Power						
Date of Test	02/25/2013			Test Site		TE05	
Bands	Modulation Type	RC/TAP (REV)	Frequency (MHz)	Burst Average Power		Peak Power	
				(dBm)	(W)	(dBm)	(W)
CDMA Sec. 800 (BC 10)	QPSK	RC1/SO55	817.25	23.20	0.209	**23.46**	**0.222**
			820.00	23.11	0.205	23.30	0.214
			822.75	23.09	0.204	23.19	0.208
		RC3/SO55	817.25	23.11	0.205	23.33	0.215
			820.00	23.09	0.204	23.23	0.210
			822.75	23.05	0.202	23.14	0.206
1xRTT Sec. 800 (BC 10)	QPSK	RC3/SO32	817.25	22.96	0.198	23.02	0.200
			820.00	22.89	0.195	23.00	0.200
			822.75	22.88	0.194	22.97	0.198
1xEV-DO Sec. 800 (BC 10)	QPSK	Rel.0 RTAP	817.25	22.99	0.199	**27.26**	**0.532**
			820.00	22.95	0.197	27.13	0.516
			822.75	22.91	0.195	27.03	0.505
		Rel.A RETAP	817.25	22.97	0.198	27.18	0.522
			820.00	22.93	0.196	26.98	0.499
			822.75	22.88	0.194	26.85	0.484

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.

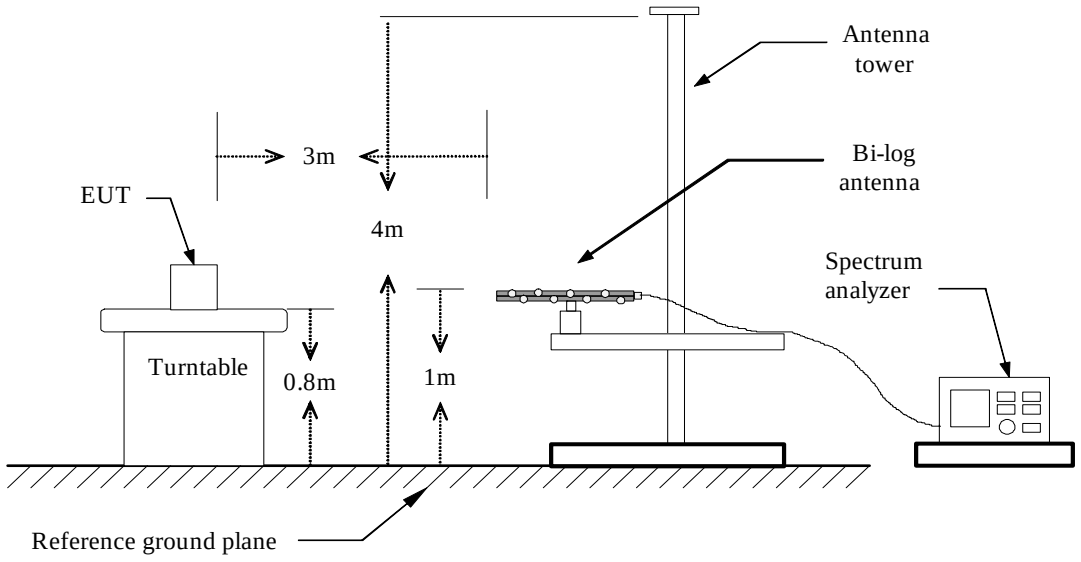
3.2. Test Instruments

3 Meter Chamber					
Equipment	Manufacturer	Model Number	Serial Number	Cal. Date	Remark
RF Pre-selector	Agilent	N9039A	MY46520256	01/21/2013	(2)
Spectrum Analyzer	Agilent	E4446A	MY46180578	01/21/2013	(1)
Pre Amplifier	Agilent	8449B	3008A02237	02/21/2013	(1)
Pre Amplifier	Agilent	8447D	2944A10961	02/21/2013	(1)
Broadband Antenna (30MHz~1GHz)	SCHWARZBECK MESS-ELEKTRONIK	VULB9163	9163-270	06/29/2012	(1)
Horn Antenna (1~18GHz)	SCHWARZBECK MESS-ELEKTRONIK	BBHA9120D	9120D-550	06/15/2012	(1)
Horn Antenna (18~40GHz)	SCHWARZBECK MESS-ELEKTRONIK	BBHA9170	9170-320	06/21/2012	(1)
Test Site	ATL	TE01	888001	08/28/2012	(1)

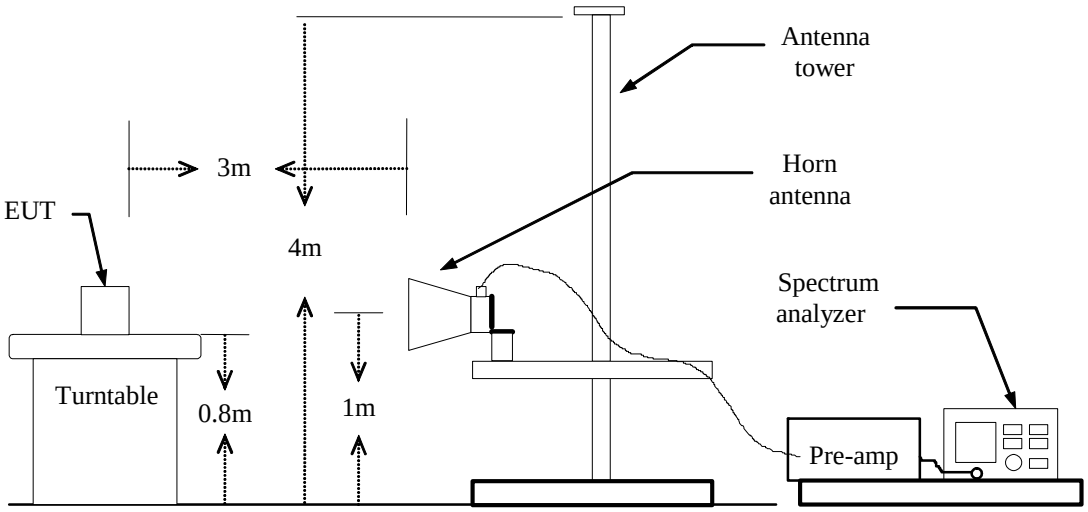
Remark: (1) Calibration period 1 year. (2) Calibration period 2 years.
Note: N.C.R. = No Calibration Request.

3.3. Setup

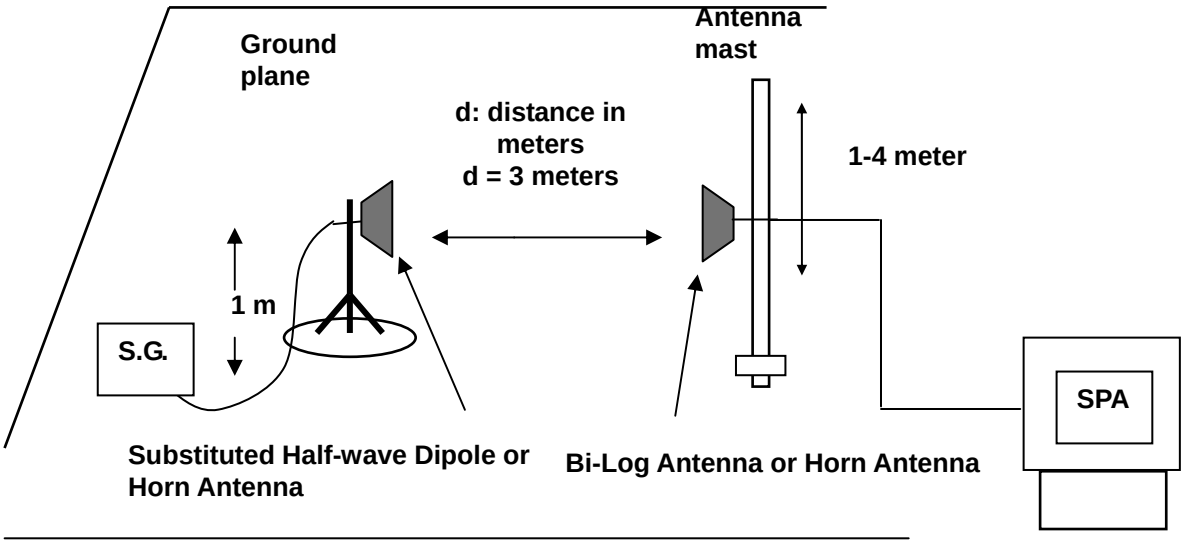
Below 1 GHz



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.

Pre Scan has been conducted and radiation three axis to determine the worst case mode all possible combinations between available modulations.

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:

ERP = S.G. output (dBm) + Antenna Gain (dBd) – Cable (dB)

EIRP = S.G. output (dBm) + Antenna Gain (dBi) – 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	AirCard 771S							
Test Item	ERP							
Date of Test	03/01/2013					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	16.89	11.96	28.85	0.767	< 7W
			V	13.43	11.29	24.72	0.296	< 7W
		836.6	H	18.33	12.07	**30.40**	**1.096**	< 7W
			V	14.24	11.34	25.58	0.361	< 7W
		848.8	H	17.56	12.51	30.07	1.016	< 7W
			V	13.06	11.47	24.53	0.284	< 7W
EGPRS 850	8PSK	824.2	H	17.36	11.96	29.32	0.855	< 7W
			V	13.33	11.30	24.63	0.290	< 7W
		836.6	H	17.85	12.07	29.92	0.982	< 7W
			V	13.10	11.34	24.44	0.278	< 7W
		848.8	H	17.68	12.50	**30.18**	**1.042**	< 7W
			V	11.27	11.46	22.73	0.187	< 7W

Model Number	AirCard 771S							
Test Item	EIRP							
Date of Test	03/01/2013					Test Site	TE01	
Bands	Modulation Type	Frequency (MHz)	Ant. Polar.	Read Level (dBm)	Correction Factor (dBm)	EIRP		Limit
						(dBm)	(W)	
GSM 1900	GMSK	1850.20	H	14.01	13.55	27.56	0.570	< 2W
			V	12.41	11.39	23.80	0.240	< 2W
		1880.00	H	14.18	13.59	**27.77**	**0.598**	< 2W
			V	10.42	11.65	22.07	0.161	< 2W
		1909.80	H	13.90	13.62	27.52	0.565	< 2W
			V	11.03	11.91	22.94	0.197	< 2W
EGPRS 1900	8PSK	1850.20	H	14.25	13.55	27.80	0.603	< 2W
			V	11.18	11.39	22.57	0.181	< 2W
		1880.00	H	14.16	13.58	27.74	0.594	< 2W
			V	9.80	11.64	21.44	0.139	< 2W
		1909.80	H	14.62	13.61	**28.23**	**0.665**	< 2W
			V	9.08	11.91	20.99	0.126	< 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	AirCard 771S							
Test Item	EIRP							
Date of Test	03/01/2013					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	10.85	13.56	24.41	0.276	< 2W
			V	8.56	11.42	19.98	0.100	< 2W
		1880.0	H	11.67	13.59	25.26	0.336	< 2W
			V	9.17	11.64	20.81	0.121	< 2W
		1907.6	H	11.69	13.61	**25.30**	**0.339**	< 2W
			V	9.93	11.87	21.80	0.151	< 2W

Model Number	AirCard 771S							
Test Item	ERP							
Date of Test	03/01/2013					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	15.49	11.97	**27.46**	**0.557**	< 7W
			V	6.90	11.30	18.20	0.066	< 7W
		836.6	H	14.32	12.07	26.39	0.436	< 7W
			V	6.72	11.34	18.06	0.064	< 7W
		846.6	H	13.00	12.39	25.39	0.346	< 7W
			V	5.45	11.42	16.87	0.049	< 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.

Model Number	AirCard 771S							
Test Item	ERP							
Date of Test	03/01/2013					Test Site	TE01	
Bands	Modulation Type	Frequency (MHz)	Ant. Polar.	Read Level (dBm)	Correction Factor (dBm)	ERP		Limit
						(dBm)	(W)	
CDMA 800 (BC 0)	QPSK	824.70	H	18.02	11.96	**29.98**	**0.995**	< 7W
			V	9.73	11.30	21.03	0.127	< 7W
		836.52	H	16.63	12.50	29.13	0.818	< 7W
			V	9.42	11.46	20.88	0.122	< 7W
		848.31	H	16.41	12.07	28.48	0.705	< 7W
			V	9.75	11.34	21.09	0.129	< 7W
1xEV-DO 800 (BC 0)	QPSK	824.70	H	16.39	11.96	28.35	0.684	< 7W
			V	8.40	11.30	19.70	0.093	< 7W
		836.52	H	15.87	12.49	**28.36**	**0.685**	< 7W
			V	6.61	11.46	18.07	0.064	< 7W
		848.31	H	15.22	12.07	27.29	0.536	< 7W
			V	8.05	11.34	19.39	0.087	< 7W

Model Number	AirCard 771S							
Test Item	EIRP							
Date of Test	03/01/2013					Test Site	TE01	
Bands	Modulation Type	Frequency (MHz)	Ant. Polar.	Read Level (dBm)	Correction Factor (dBm)	EIRP		Limit
						(dBm)	(W)	
CDMA 1900 (BC 1)	QPSK	1851.25	H	11.62	13.56	25.18	0.330	< 2W
			V	6.33	11.40	17.73	0.059	< 2W
		1880.00	H	12.86	13.59	**26.45**	**0.442**	< 2W
			V	7.26	11.65	18.91	0.078	< 2W
		1908.75	H	11.56	13.62	25.18	0.330	< 2W
			V	7.22	11.90	19.12	0.082	< 2W
1xEV-DO 1900 (BC 1)	QPSK	1851.25	H	11.56	13.56	25.12	0.325	< 2W
			V	6.17	11.40	17.57	0.057	< 2W
		1880.00	H	12.80	13.59	**26.39**	**0.436**	< 2W
			V	7.27	11.66	18.93	0.078	< 2W
		1908.75	H	11.24	13.62	24.86	0.306	< 2W
			V	7.10	11.90	19.00	0.079	< 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	AirCard 771S							
Test Item	ERP							
Date of Test	03/01/2013					Test Site	TE01	
Bands	Modulation Type	Frequency (MHz)	Ant. Polar.	Read Level (dBm)	Correction Factor (dBm)	ERP		Limit
						(dBm)	(W)	
CDMA Sec. 800 (BC 10)	QPSK	817.25	H	15.15	11.82	26.97	0.498	< 100W
			V	13.32	11.35	24.67	0.293	< 100W
		820.00	H	15.42	11.92	27.34	0.542	< 100W
			V	13.02	11.30	24.32	0.270	< 100W
		822.75	H	15.68	11.95	**27.63**	**0.579**	< 100W
			V	13.58	11.29	24.87	0.307	< 100W
1xEV-DO Sec. 800 (BC 10)	QPSK	817.25	H	16.62	11.83	28.45	0.700	< 100W
			V	6.97	11.36	18.33	0.068	< 100W
		820.00	H	18.06	11.92	**29.98**	**0.995**	< 100W
			V	10.11	11.28	21.39	0.138	< 100W
		822.75	H	16.31	11.94	28.25	0.668	< 100W
			V	8.76	11.29	20.05	0.101	< 100W

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 Occupied Bandwidth Test

4.1. Limit

The Occupied Bandwidth Limit:

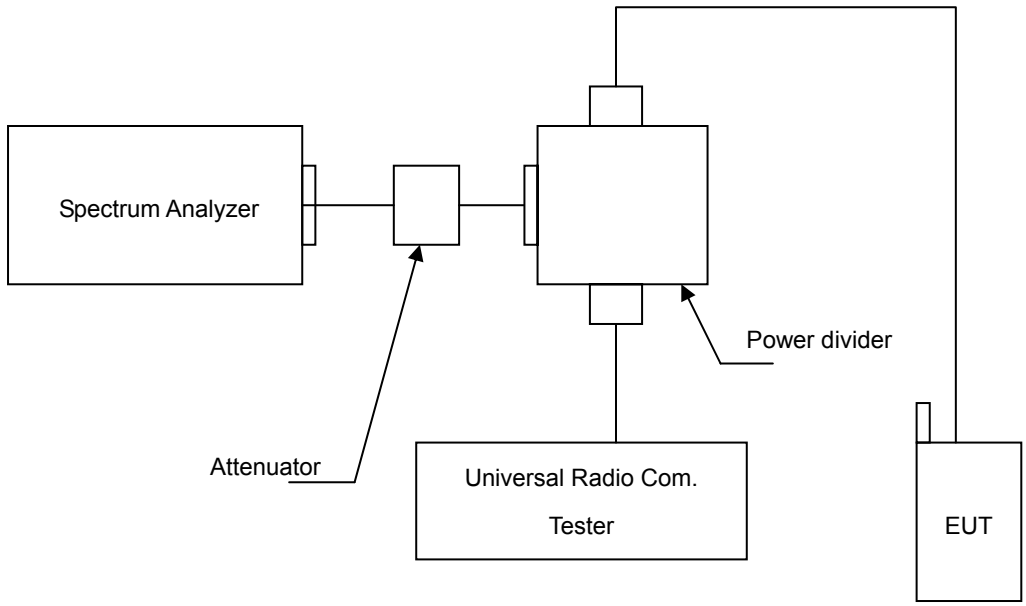
N/A.

4.2. 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	05/10/2012	(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 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.

4.5. Uncertainty

The measurement uncertainty is defined as ± 10Hz

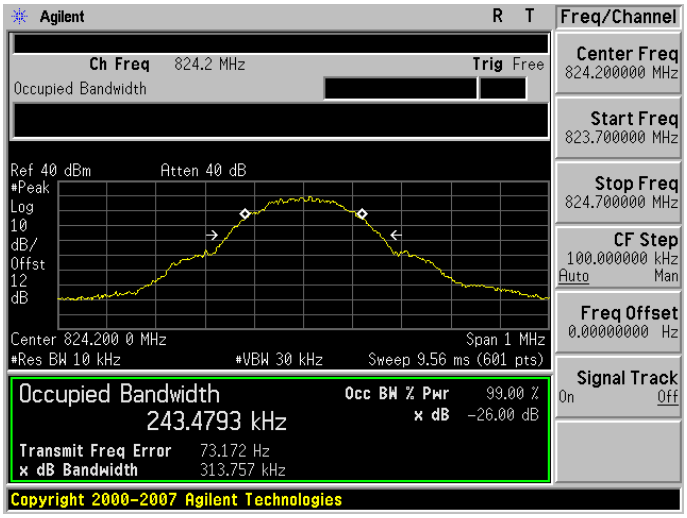
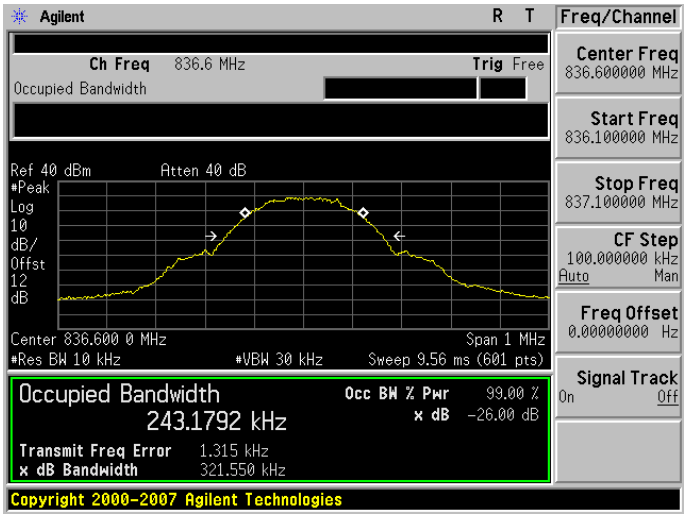
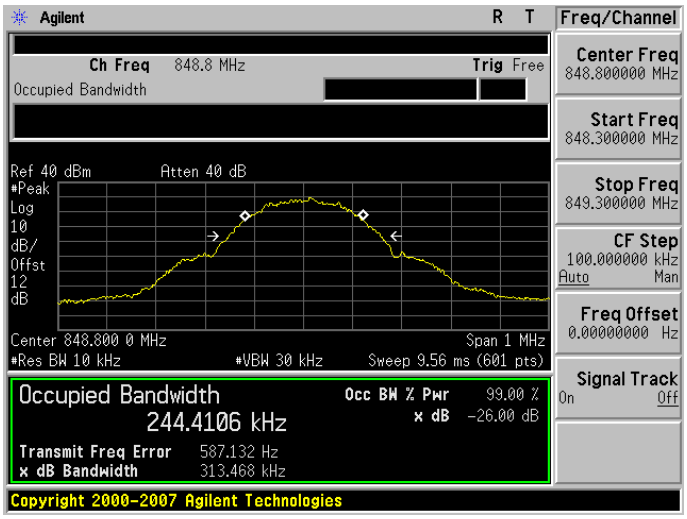
4.6. Test Result

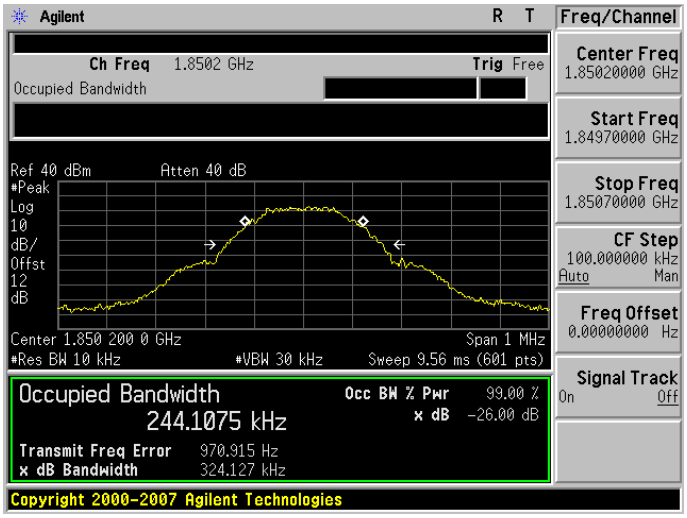
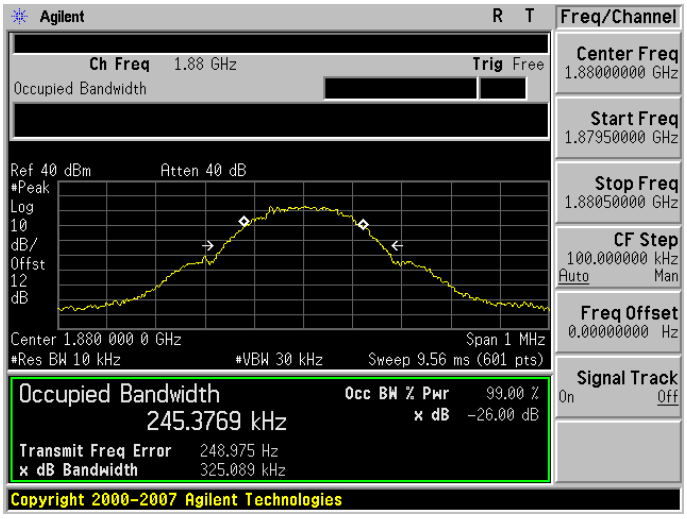
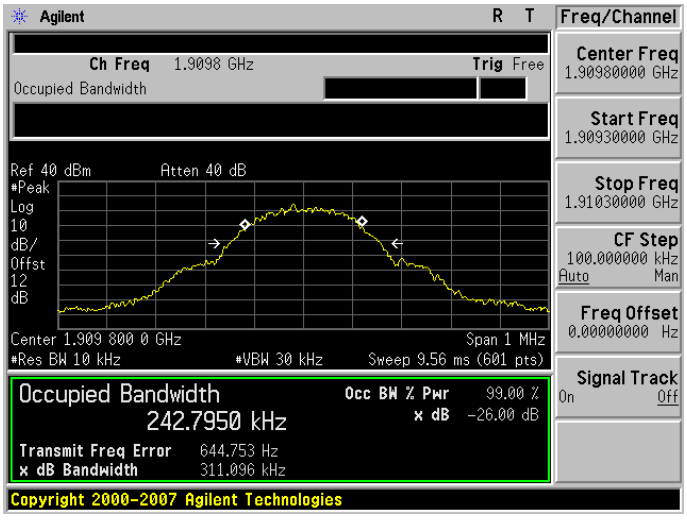
Model Number	AirCard 771S				
Test Item	Occupied Bandwidth				
Date of Test	02/25/2013			Test Site	TE05
Bands	Channel	Frequency (MHz)	99% Bandwidth (kHz)	Note	
GPRS 850	128	824.2	243.4793	RBW:10KHz , VBW:30KHz	
	190	836.6	243.1792	RBW:10KHz , VBW:30KHz	
	251	848.8	244.4106	RBW:10KHz , VBW:30KHz	
GPRS 1900	512	1850.20	244.1075	RBW:10KHz , VBW:30KHz	
	661	1880.00	245.3769	RBW:10KHz , VBW:30KHz	
	810	1909.80	242.7950	RBW:10KHz , VBW:30KHz	
EGPRS 850	128	824.2	241.6111	RBW:10KHz , VBW:30KHz	
	190	836.6	241.3084	RBW:10KHz , VBW:30KHz	
	251	848.8	241.5101	RBW:10KHz , VBW:30KHz	
EGPRS 1900	512	1850.20	242.8973	RBW:10KHz , VBW:30KHz	
	661	1880.00	247.1964	RBW:10KHz , VBW:30KHz	
	810	1909.80	246.7967	RBW:10KHz , VBW:30KHz	

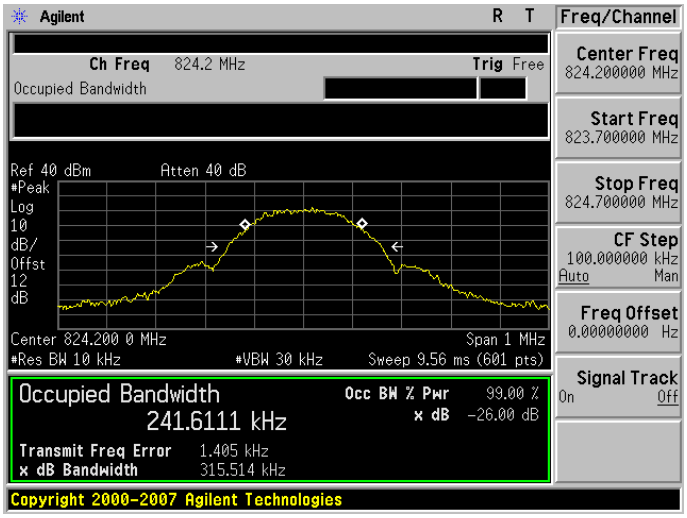
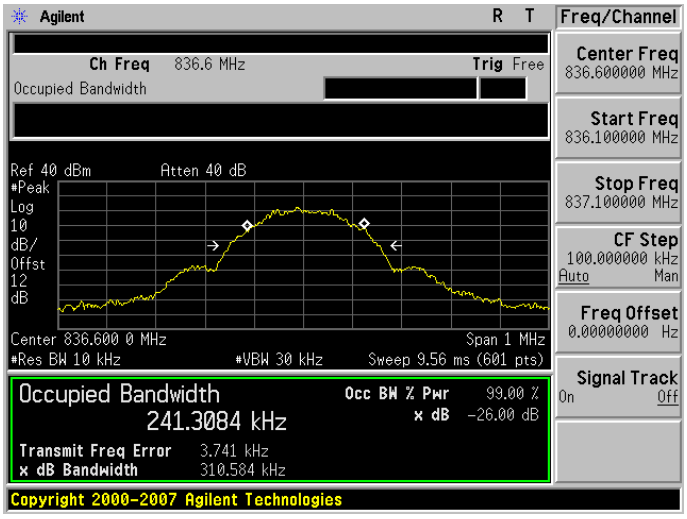
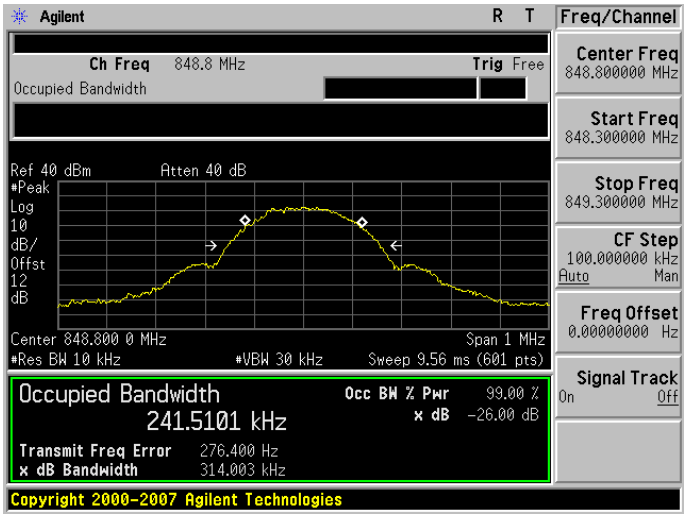
Model Number	AirCard 771S				
Test Item	Occupied Bandwidth				
Date of Test	02/25/2013			Test Site	TE05
Bands	Channel	Frequency (MHz)	99% Bandwidth (MHz)	Note	
WCDMA Band II	9262	1852.4	4.1677	RBW:100KHz , VBW:300KHz	
	9400	1880.0	4.1633	RBW:100KHz , VBW:300KHz	
	9538	1907.6	4.1807	RBW:100KHz , VBW:300KHz	
WCDMA Band V	4132	826.4	4.1585	RBW:100KHz , VBW:300KHz	
	4183	836.6	4.1862	RBW:100KHz , VBW:300KHz	
	4233	846.6	4.1724	RBW:100KHz , VBW:300KHz	

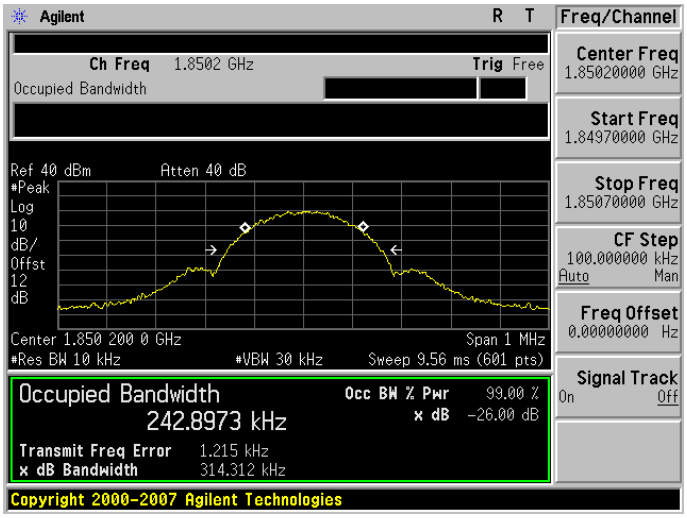
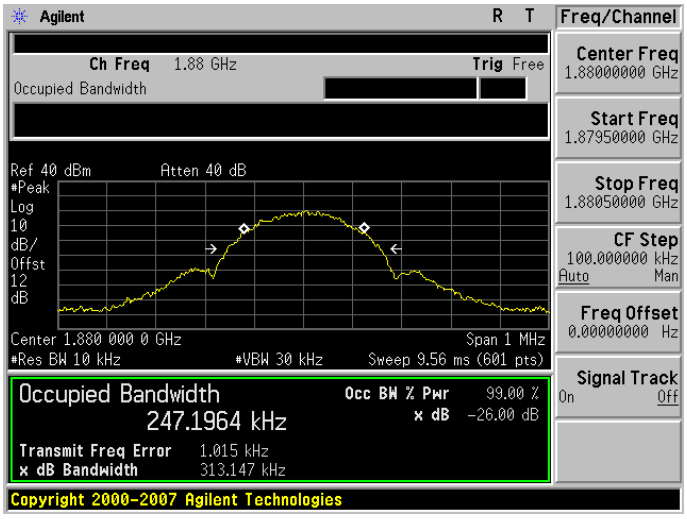
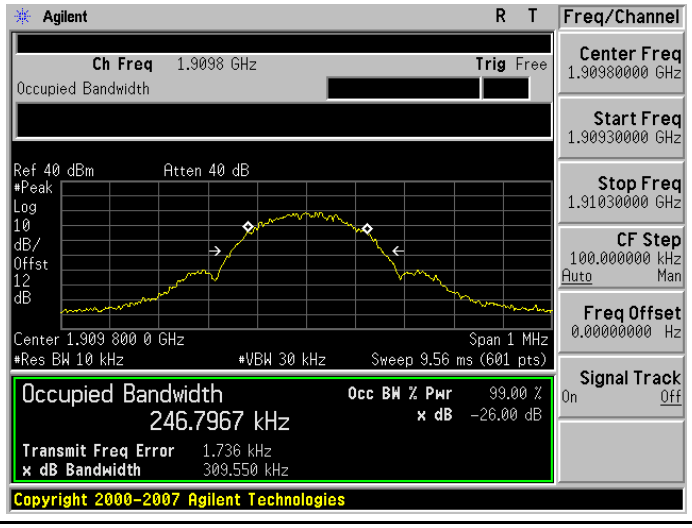
Model Number	AirCard 771S				
Test Item	Occupied Bandwidth				
Date of Test	02/25/2013			Test Site	TE05
Bands	Channel	Frequency (MHz)	99% Bandwidth (MHz)	Note	
CDMA 800 (BC 0)	1013	824.70	1.2763	RBW:30KHz , VBW:300KHz	
	384	836.52	1.2681	RBW:30KHz , VBW:300KHz	
	777	848.31	1.2693	RBW:30KHz , VBW:300KHz	
CDMA 1900 (BC 1)	25	1851.25	1.2728	RBW:30KHz , VBW:300KHz	
	600	1880.00	1.2734	RBW:30KHz , VBW:300KHz	
	1175	1908.75	1.2741	RBW:30KHz , VBW:300KHz	
CDMA Sec. 800 (BC 10)	450	817.25	1.2742	RBW:30KHz , VBW:300KHz	
	560	820.00	1.2771	RBW:30KHz , VBW:300KHz	
	670	822.75	1.2692	RBW:30KHz , VBW:300KHz	
1xEV-DO 800 (BC 0)	1013	824.70	1.2737	RBW:30KHz , VBW:300KHz	
	384	836.52	1.2673	RBW:30KHz , VBW:300KHz	
	777	848.31	1.2718	RBW:30KHz , VBW:300KHz	
1xEV-DO 1900 (BC 1)	25	1851.25	1.2736	RBW:30KHz , VBW:300KHz	
	600	1880.00	1.2741	RBW:30KHz , VBW:300KHz	
	1175	1908.75	1.2763	RBW:30KHz , VBW:300KHz	
1xEV-DO Sec. 800 (BC 10)	450	817.25	1.2746	RBW:30KHz , VBW:300KHz	
	560	820.00	1.2745	RBW:30KHz , VBW:300KHz	
	670	822.75	1.2641	RBW:30KHz , VBW:300KHz	

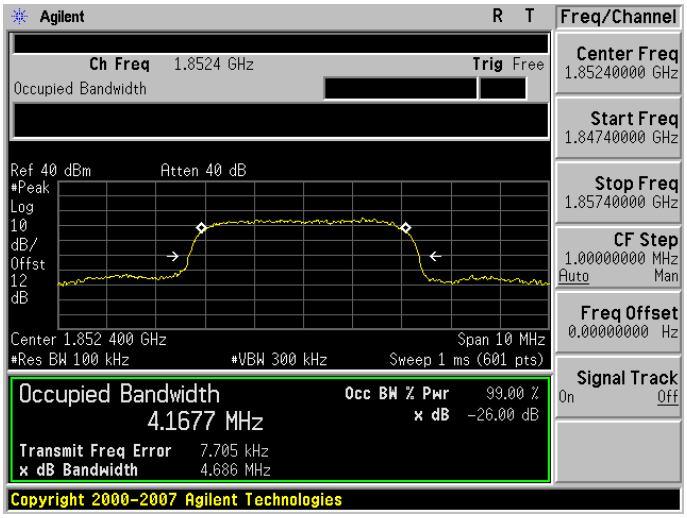
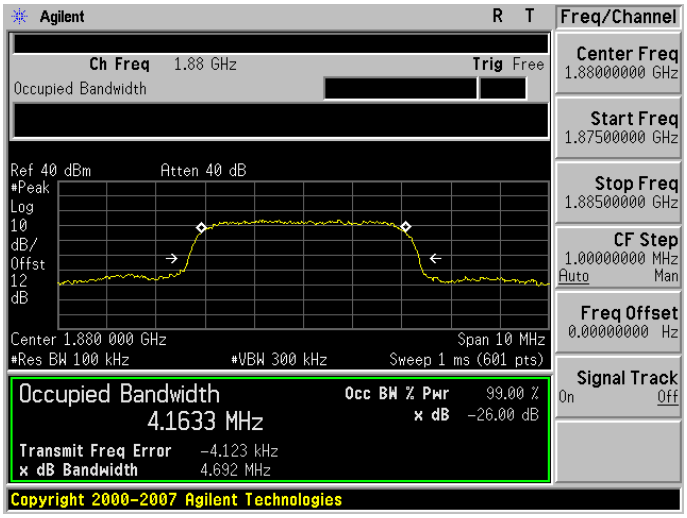
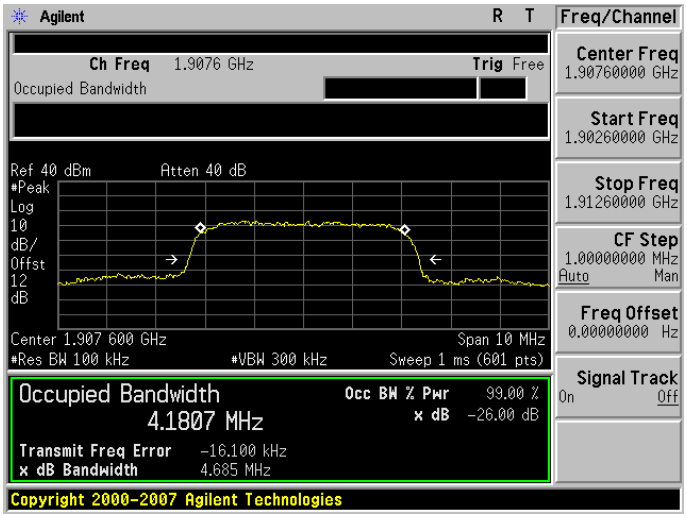
4.7. Test Graphs

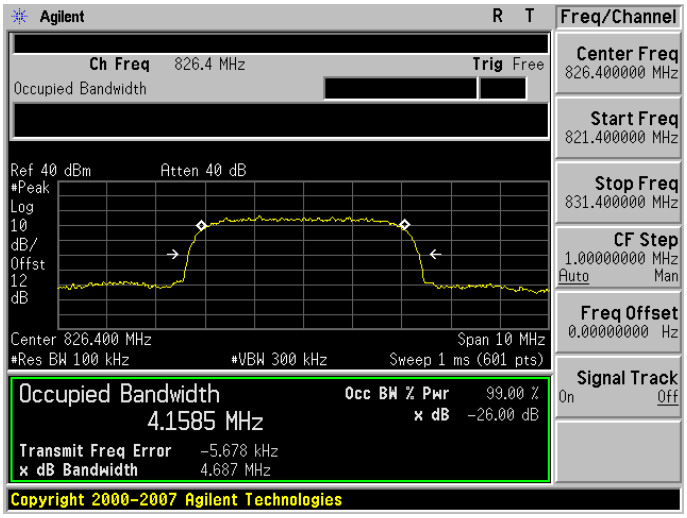
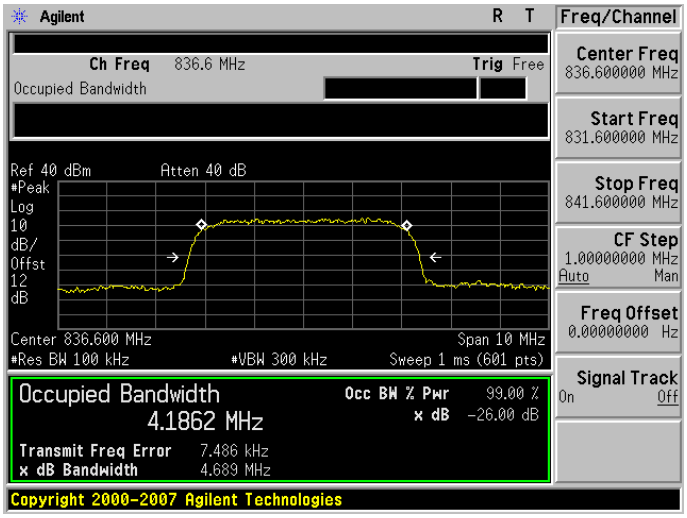
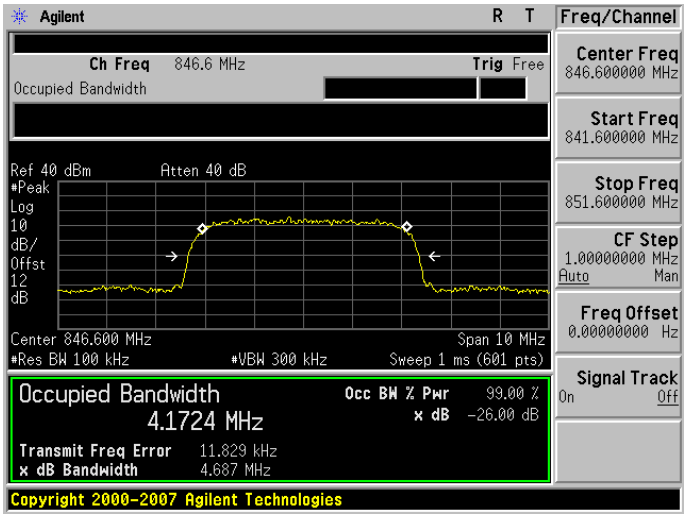
Mode 1: GPRS 850 Link Mode	
824.2 MHz	
836.6 MHz	
848.8 MHz	

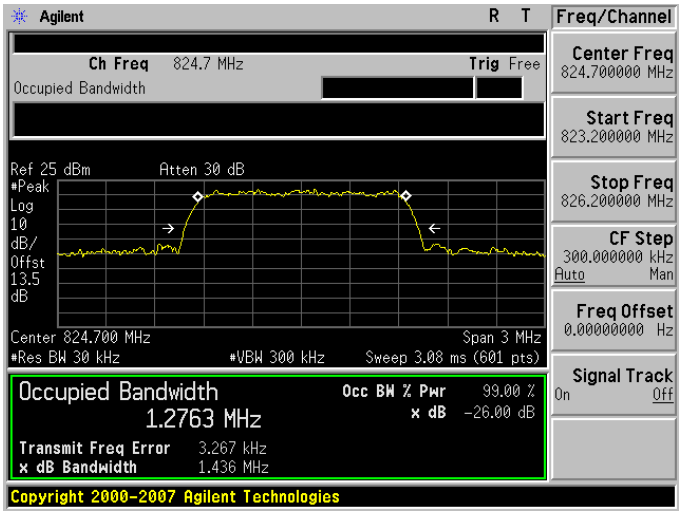
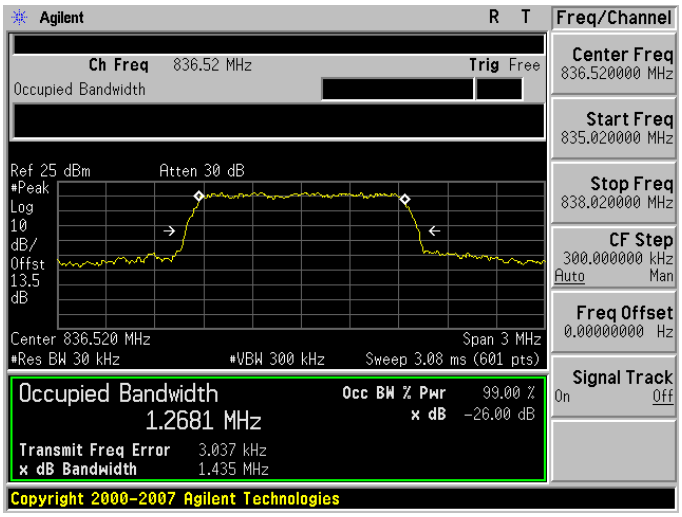
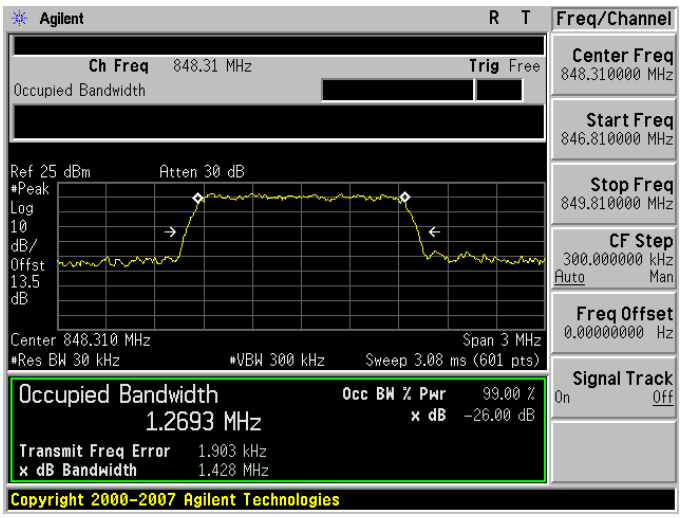
Mode 2: GPRS 1900 Link Mode	
1850.20 MHz	
1880.00 MHz	
1909.80 MHz	

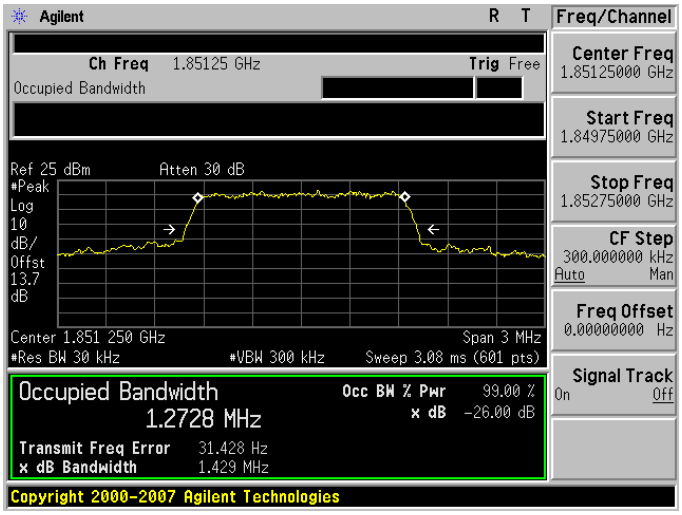
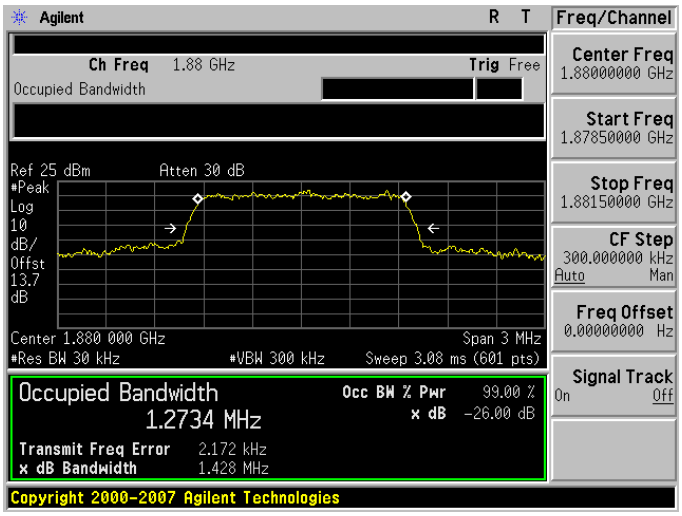
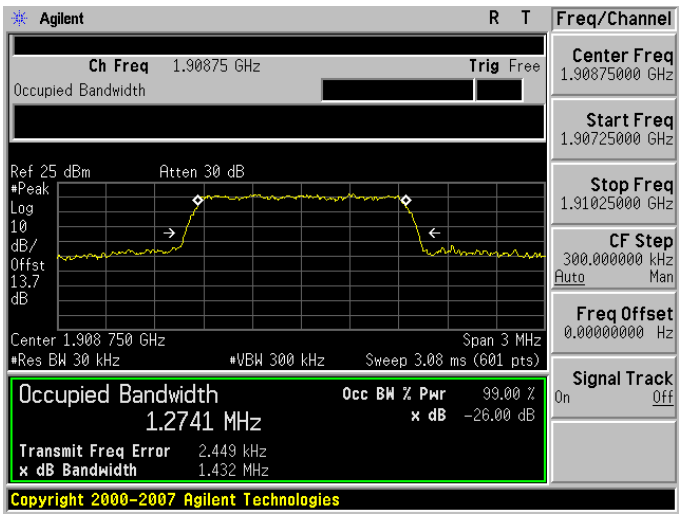
Mode 3: EGPRS 850 Link Mode	
824.2 MHz	
836.6 MHz	
848.8 MHz	

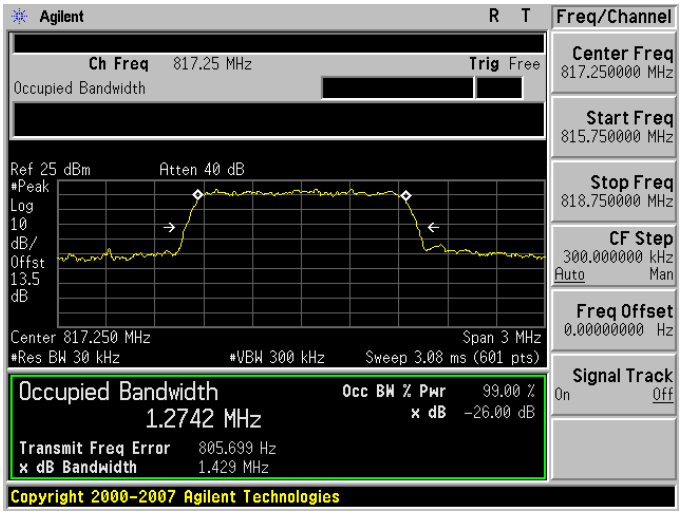
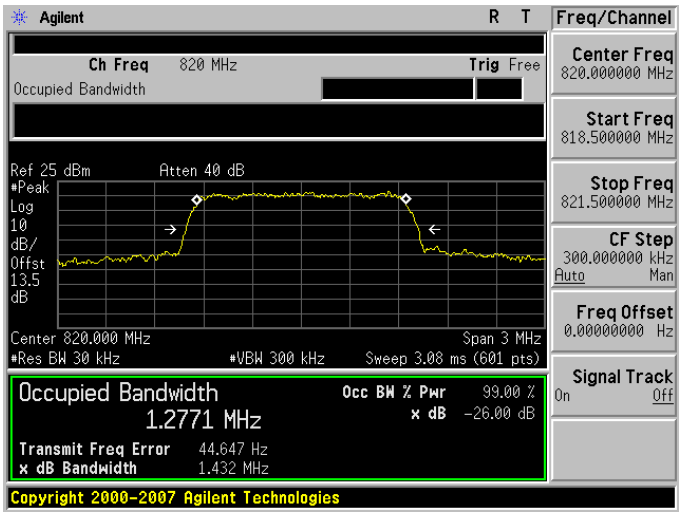
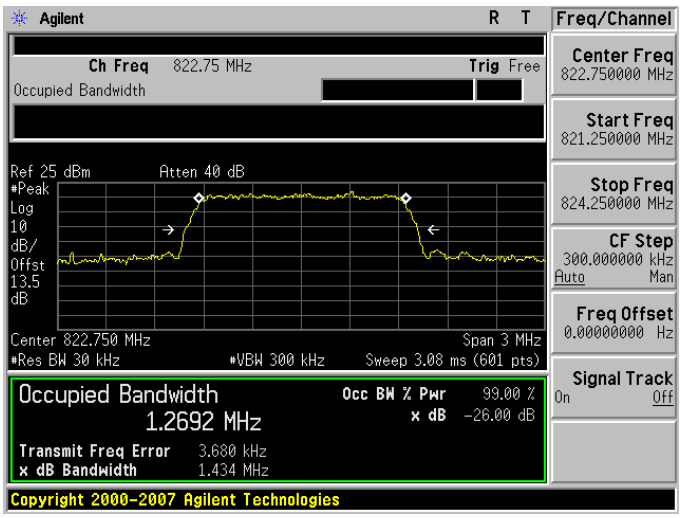
Mode 4: EGPRS 1900 Link Mode	
1850.20 MHz	
1880.00 MHz	
1909.80 MHz	

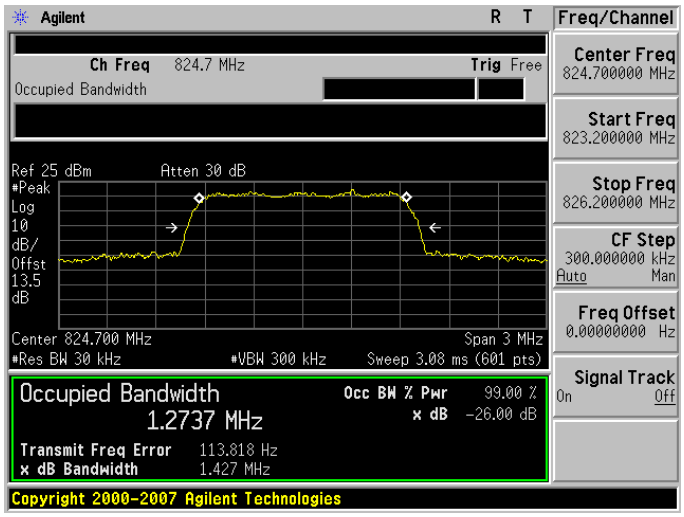
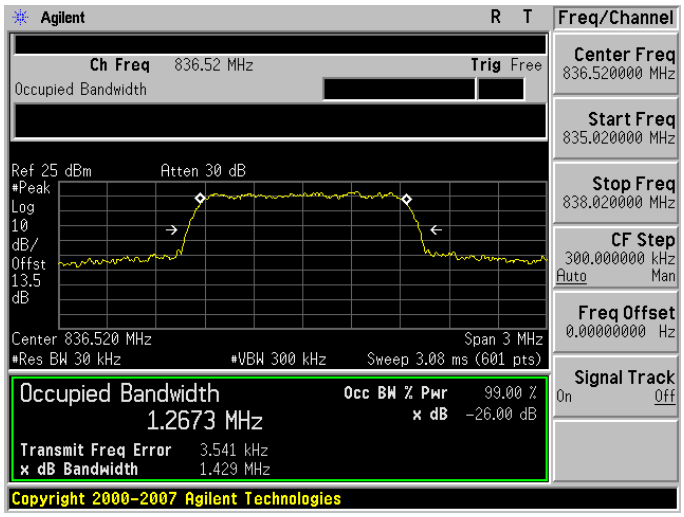
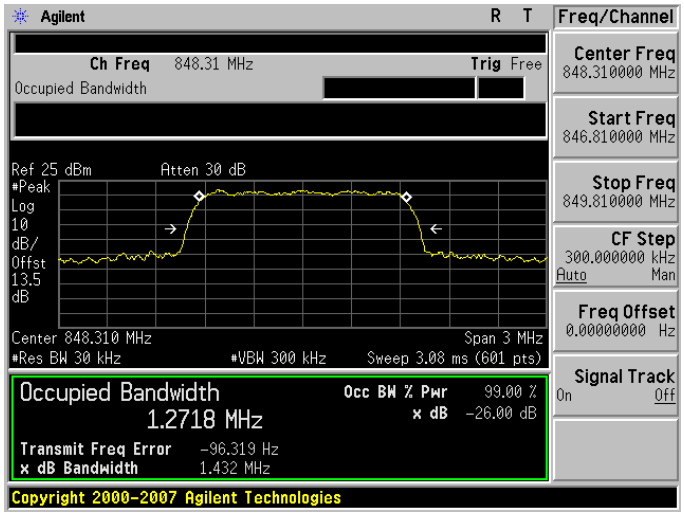
Mode 5: WCDMA Band II Link Mode	
1850.20 MHz	
1880.00 MHz	
1909.80 MHz	

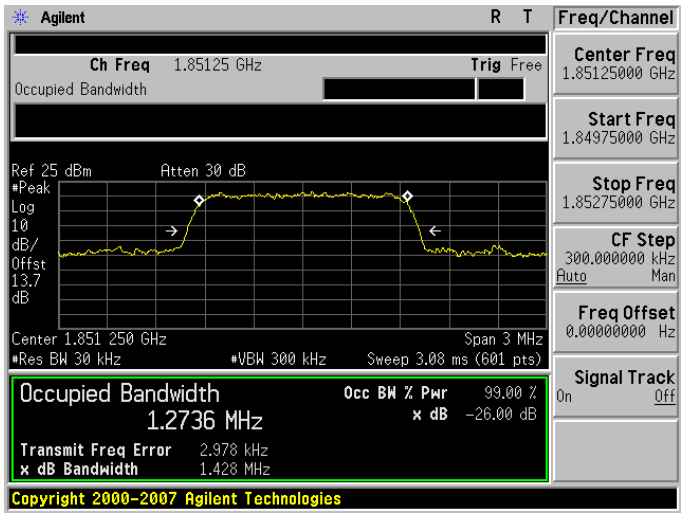
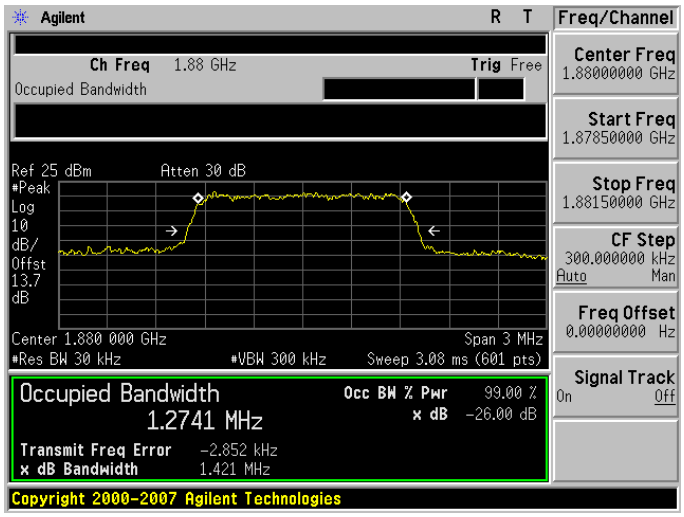
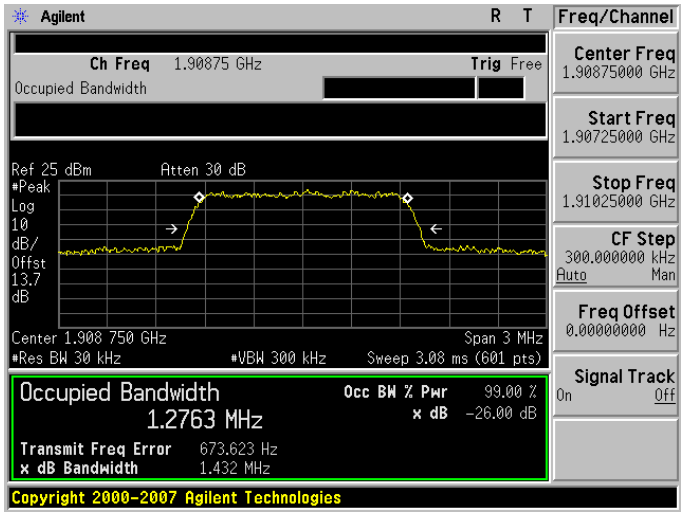
Mode 6: WCDMA Band V Link Mode	
826.4 MHz	
836.6 MHz	
846.6 MHz	

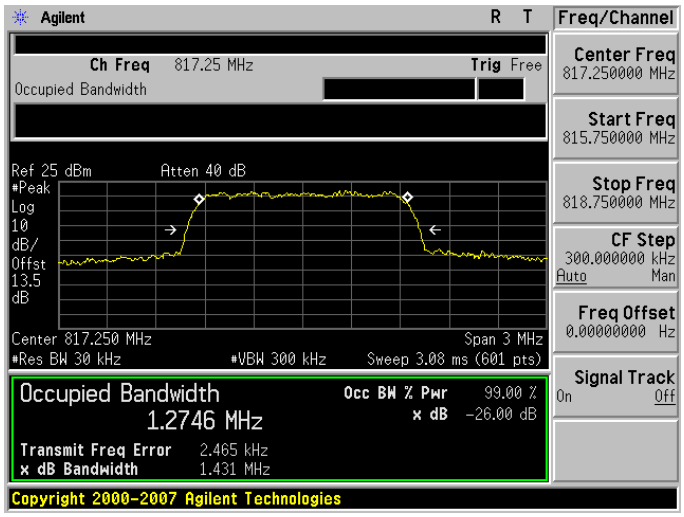
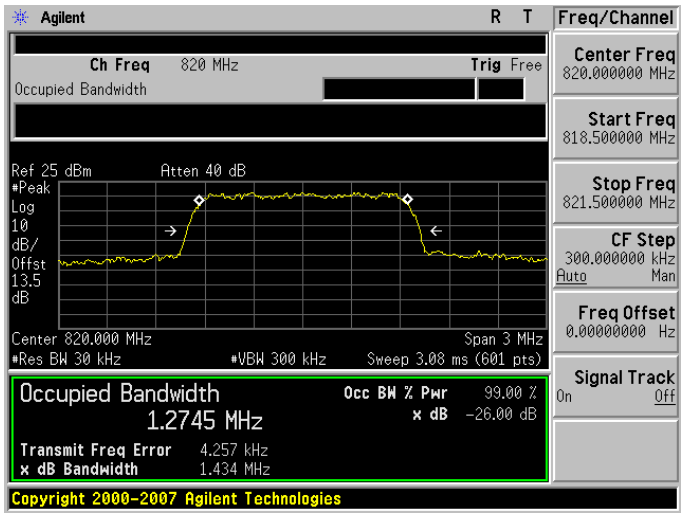
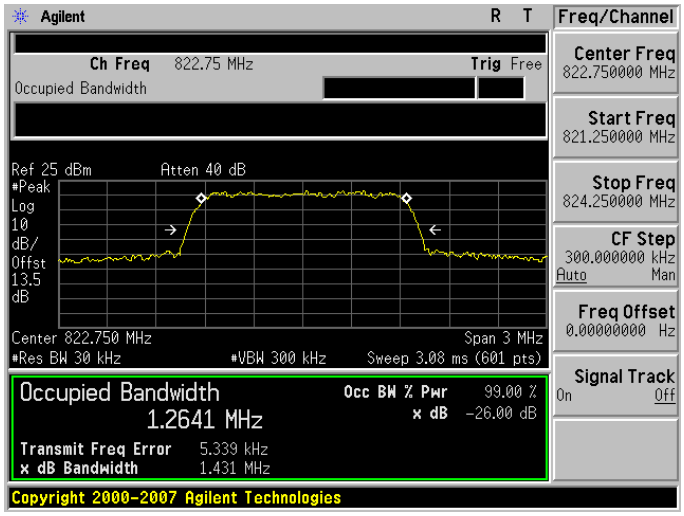
Mode 7: CDMA 800 (BC 0) Link Mode	
824.70	
836.52	
848.31	

Mode 8: CDMA 1900 (BC 1) Link Mode	
1851.25	
1880.00	
1908.75	

Mode 9: CDMA Sec. 800 (BC 10) Link Mode	
817.25	
820.00	
822.75	

Mode 10: 1xEV-DO 800 (BC 0) Link Mode	
824.70	
836.52	
848.31	

Mode 11: 1xEV-DO 1900 (BC 1) Link Mode	
1851.25	
1880.00	
1908.75	

Mode 12: 1xEV-DO Sec. 800 (BC 10) Link Mode	
817.25	
820.00	
822.75	

5 Band Edge Test

5.1. Limit

The Band Edge Limit:

§22.917(a), §24.238(a)

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 + $10\log_{10}$(P) dB.

§90.691

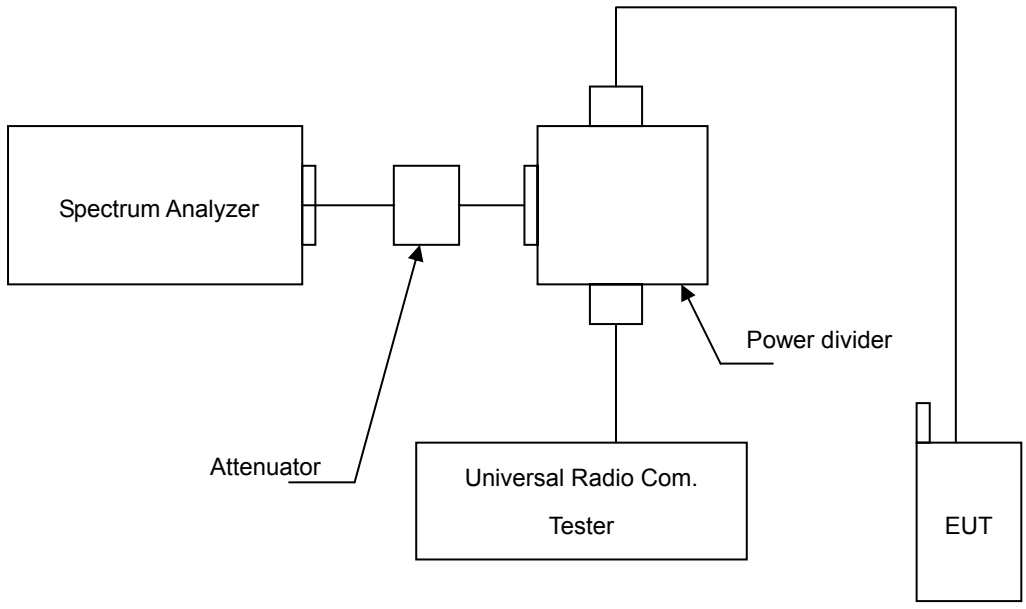
The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 50 + $10\log_{10}$ (P[Watts]) at Band Edge and for all out-of-band emissions within 37.5Khz of Block Edge.

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	05/10/2012	(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:

3. The EUT was connected to Spectrum Analyzer and Base Station via Power Divider.
4. 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.
5. The band edge setting:
   a. RB=10 kHz; VB=30 kHz for GSM system.
   b. RB=100 kHz; VB=300 kHz for WCDMA system.

5.5. Uncertainty

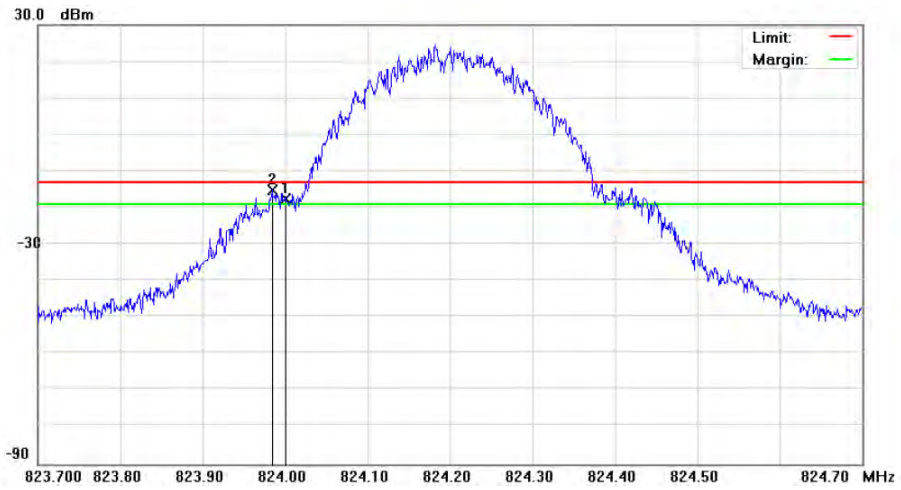
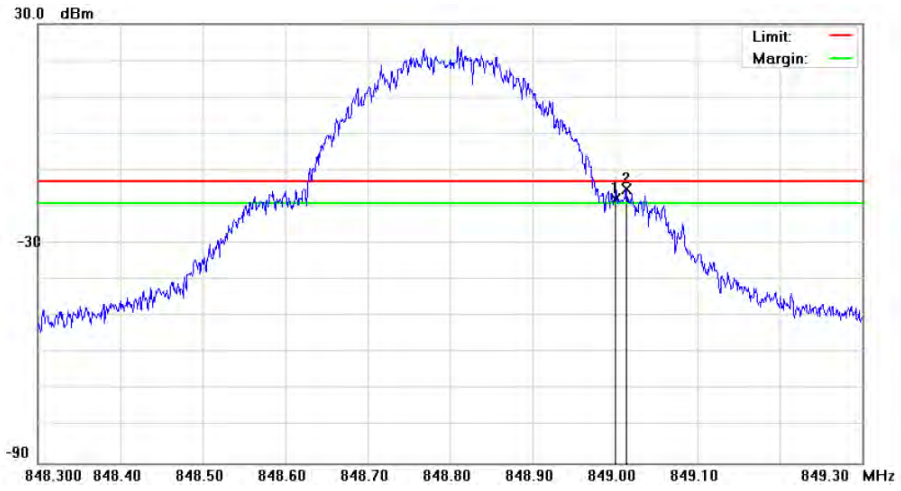
The measurement uncertainty is defined as ± 10Hz

5.6. Test Result

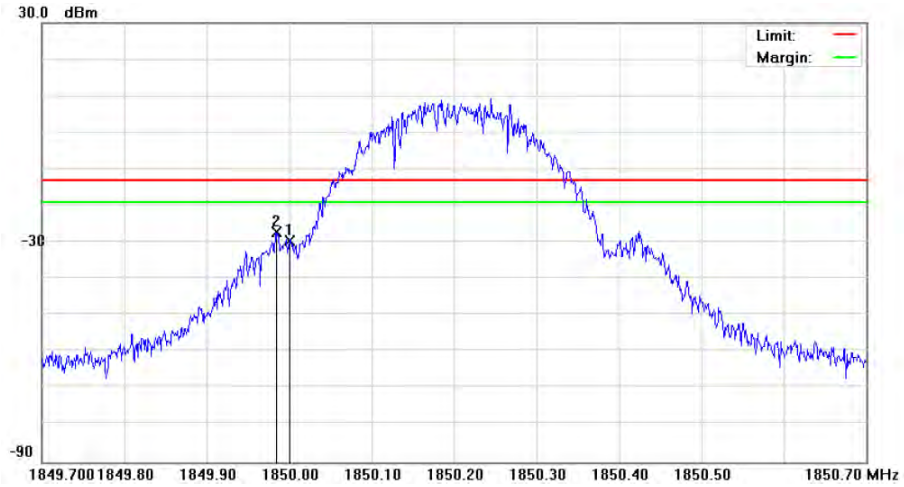
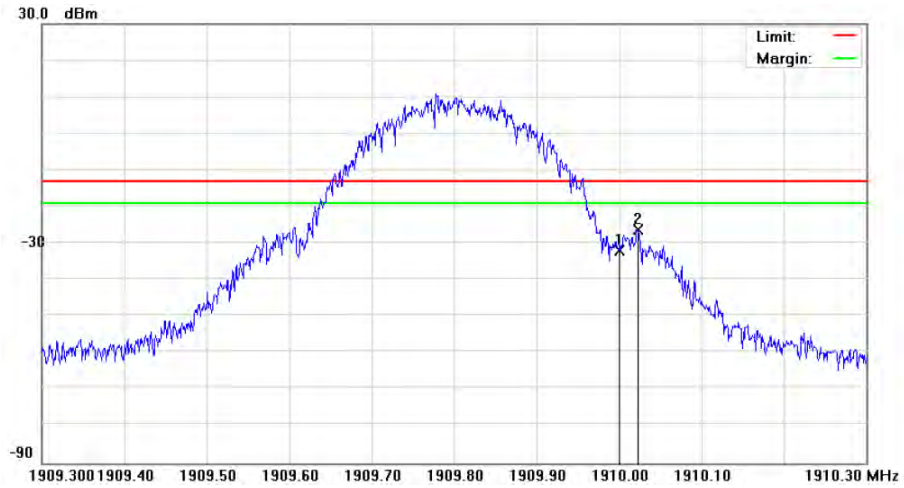
Model Number		AirCard 771S				
Test Item		Band Edge				
Date of Test		02/25/2013			Test Site	TE05
Bands		Channel	Frequency (MHz)	Bandwidth (dBm)	Limit (dBm)	Result
GPRS 850	Lower	128	824.0000	-15.08	-13	Pass
	Higher	251	849.0000	-15.28	-13	Pass
GSM 1900	Lower	512	1850.000	-27.20	-13	Pass
	Higher	810	1910.000	-26.19	-13	Pass
WCDMA Band II	Lower	9262	1850.000	-31.17	-13	Pass
	Higher	9538	1910.000	-32.05	-13	Pass
WCDMA Band V	Lower	4132	824.0000	-28.20	-13	Pass
	Higher	4233	849.0000	-28.02	-13	Pass

5.7. Test Graphs

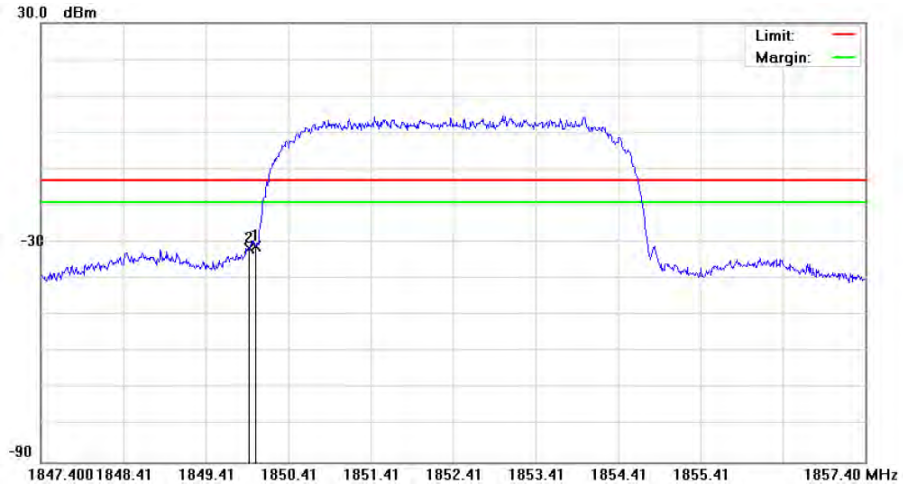
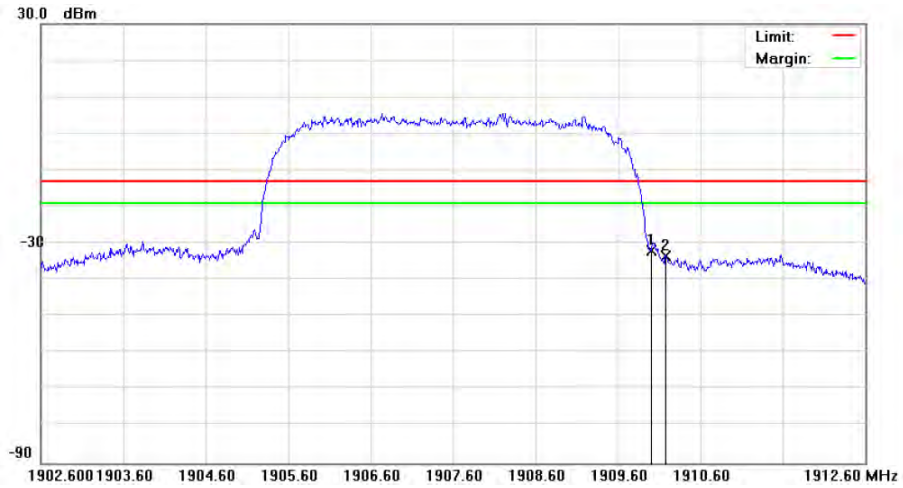
Model Number		AirCard 771S				
Test Item		Band Edge				
Date of Test		02/25/2013			Test Site	TE05
Bands		Channel	Frequency (MHz)	Bandwidth (dBm)	Limit (dBm)	Result
GPRS 850	Lower	128	824.0000	-15.08	-13	Pass
	Higher	251	849.0000	-15.28	-13	Pass

Mode 1: GPRS 850 Link Mode	
Lower Band	
Higher Band	

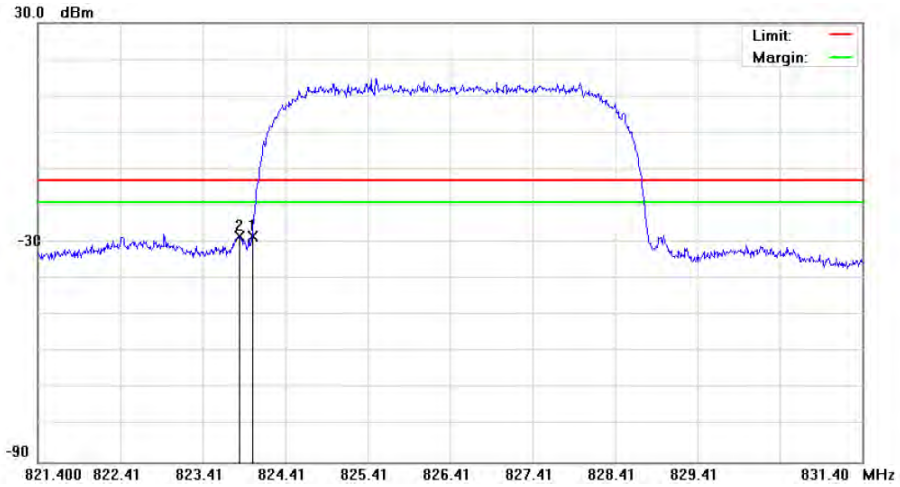
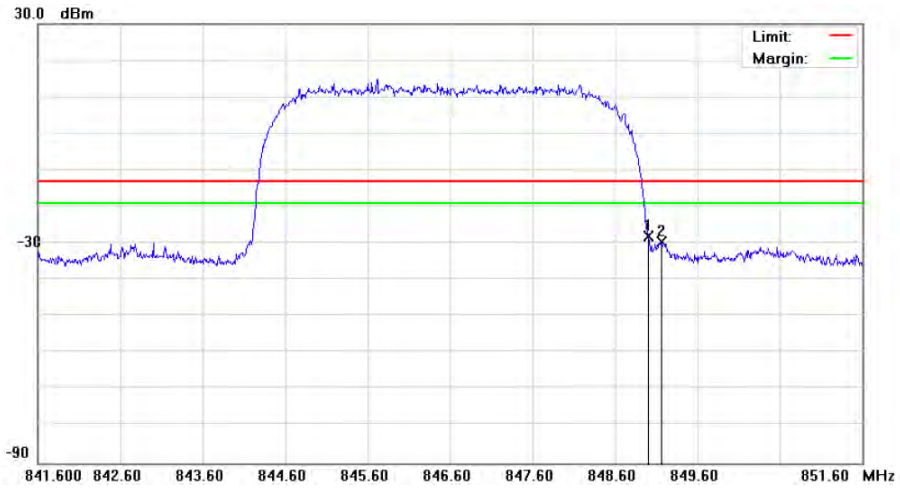
Model Number		AirCard 771S				
Test Item		Band Edge				
Date of Test		02/25/2013			Test Site	TE05
Bands		Channel	Frequency (MHz)	Bandwidth (dBm)	Limit (dBm)	Result
GSM 1900	Lower	512	1850.000	-27.20	-13	Pass
	Higher	810	1910.000	-26.19	-13	Pass

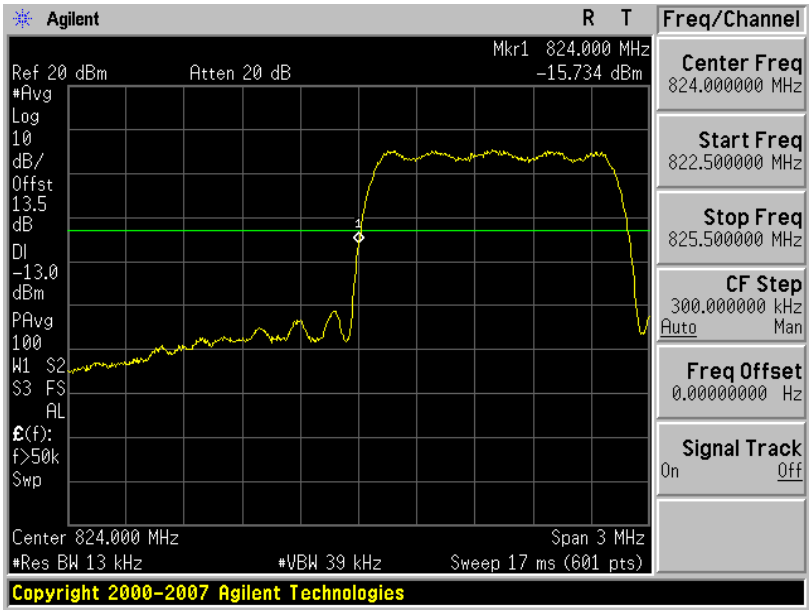
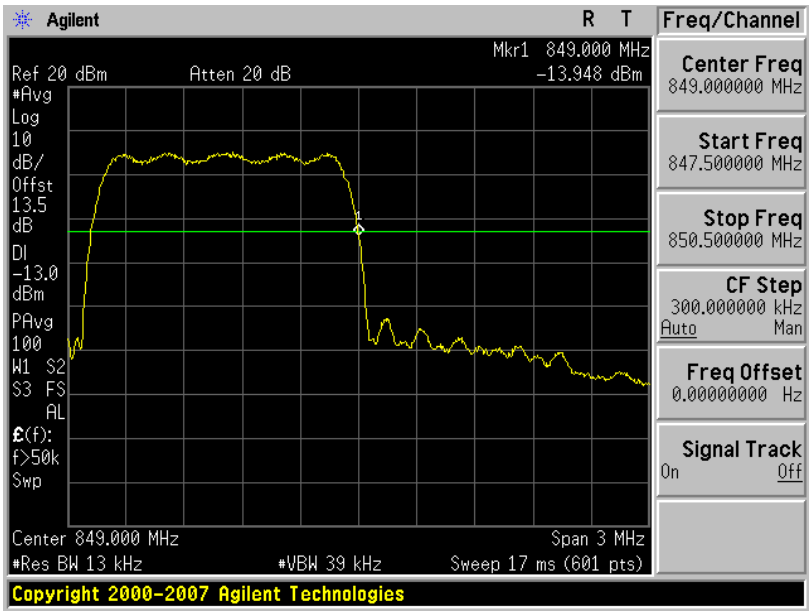
Mode 2: GPRS 1900 Link Mode	
Lower Band	
Higher Band	

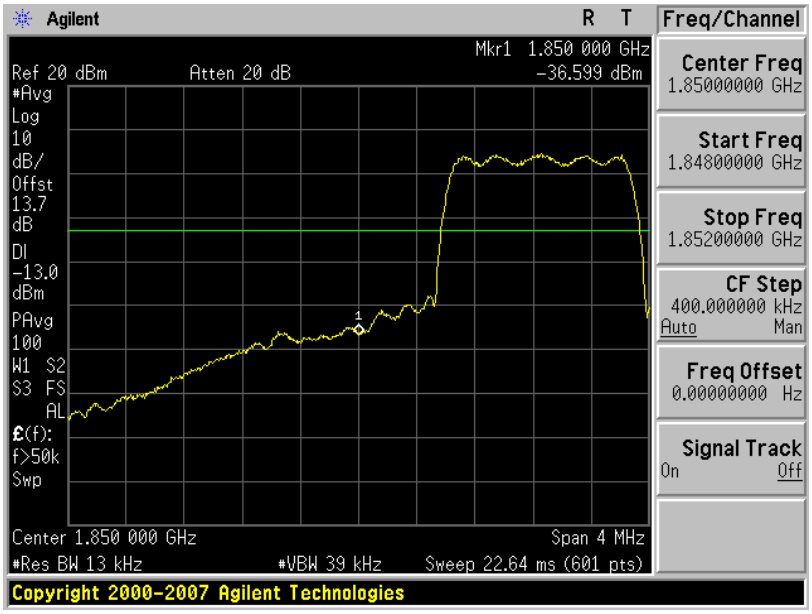
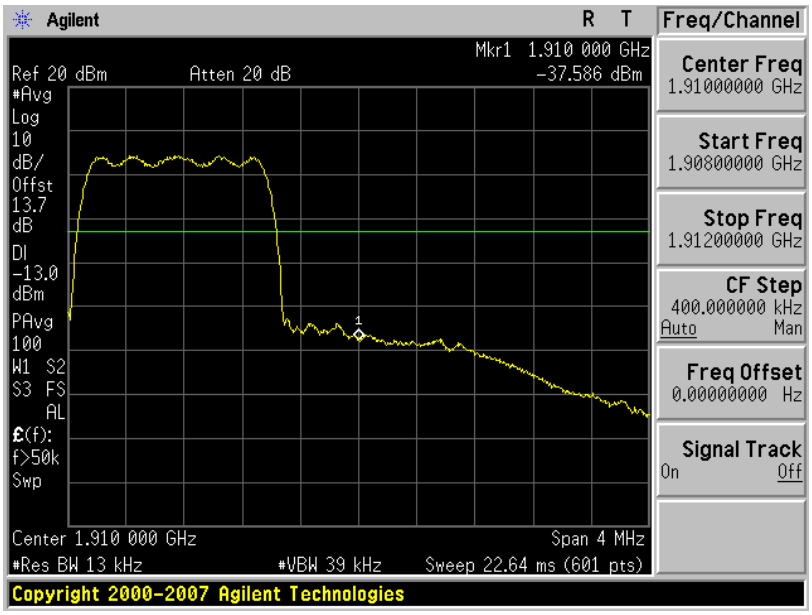
Model Number		AirCard 771S				
Test Item		Band Edge				
Date of Test		02/25/2013			Test Site	TE05
Bands		Channel	Frequency (MHz)	Bandwidth (dBm)	Limit (dBm)	Result
WCDMA Band II	Lower	9262	1850.000	-31.17	-13	Pass
	Higher	9538	1910.000	-32.05	-13	Pass

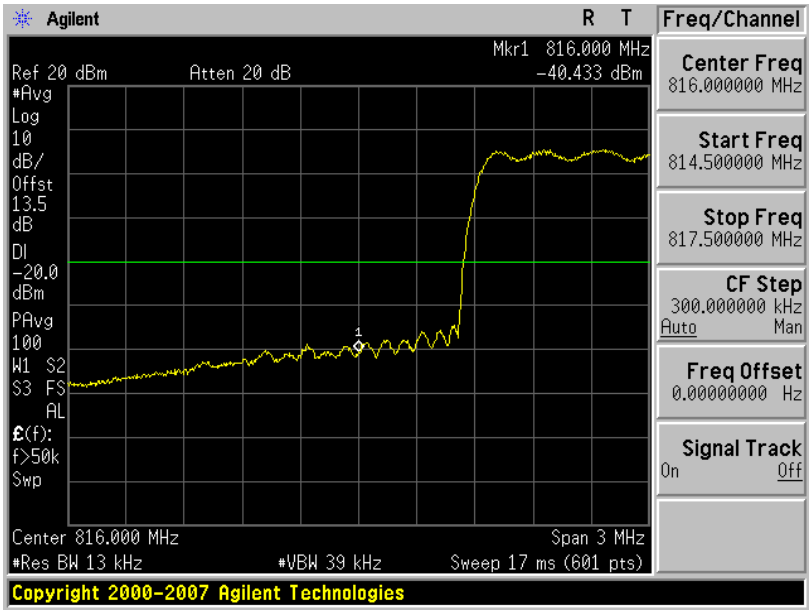
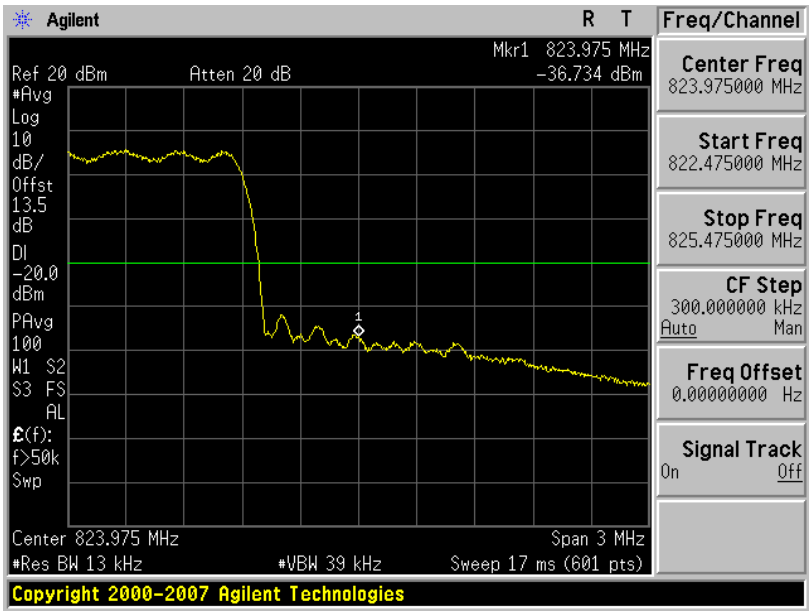
Mode 5: WCDMA Band II Link Mode	
Lower Band	
Higher Band	

Model Number		AirCard 771S				
Test Item		Band Edge				
Date of Test		02/25/2013			Test Site	TE05
Bands		Channel	Frequency (MHz)	Bandwidth (dBm)	Limit (dBm)	Result
WCDMA Band V	Lower	4132	824.0000	-28.20	-13	Pass
	Higher	4233	849.0000	-28.02	-13	Pass

Mode 6: WCDMA Band V Link Mode	
Lower Band	
Higher Band	

Mode 7: CDMA 800 (BC 0) Link Mode	
Lower Band	
Higher Band	

Mode 8: CDMA 1900 (BC 1) Link Mode	
Lower Band	
Higher Band	

Mode 9: CDMA Sec. 800 (BC 10) Link Mode	
Lower Band	
Higher Band	

6 Conducted Spurious Emission Test

6.1. 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 + 10log(P) dB.

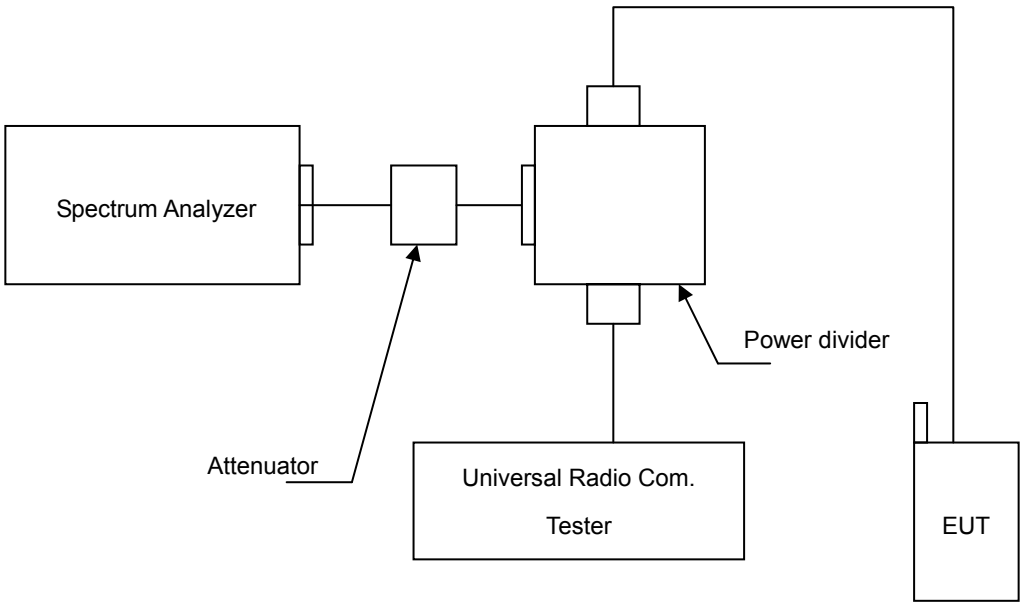
6.2. Test Instruments

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	05/10/2012	(1)
Attenuator	RADIALL	R41572000	0603033073	N.C.R.	-----
Power Divider	Agilent	87302C	3239A00760	N.C.R.	-----
Test Site	ATL	TE05	TE05	N.C.R.	-----

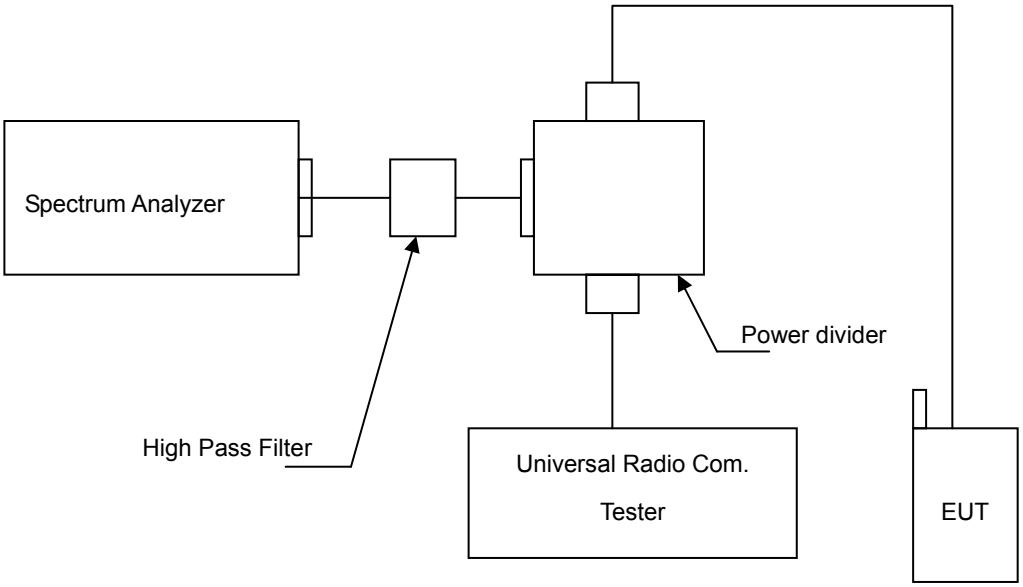
Remark: (1) Calibration period 1 year. (2) Calibration period 2 years.
Note: N.C.R. = No Calibration Request.

6.3. Setup

Below 2.8GHz



Above 2.8GHz



6.4. 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.

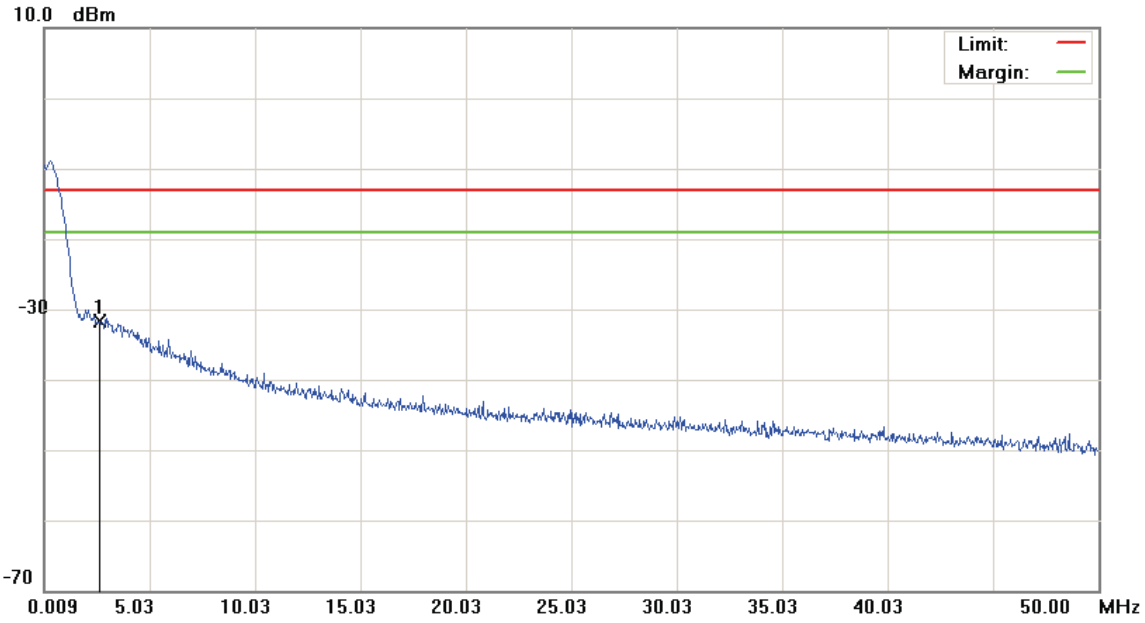
6.5. Uncertainty

The measurement uncertainty is evaluated as ± 2.24 dB.

6.6. Test Result

Model Number	AirCard 771S		
Test Item	Conducted Emission		
Test Mode	Mode 1 / Mode 2 / Mode 4 / Mode 5 / Mode 7 / Mode 8 / Mode 9		
Date of Test	02/25/2013	Test Site	TE05

File :AC771S(CH128) Data :#1 Date: 2013/2/25 Time: 下午 08:33:19



Site: : RF Conducted
Limit: FCC Part 22 conducted(9k-12.75G)
EUT: Wireless Mobile HotSpot
M/N: AirCard 771S
Mode: GSM 850
Note: CH 128

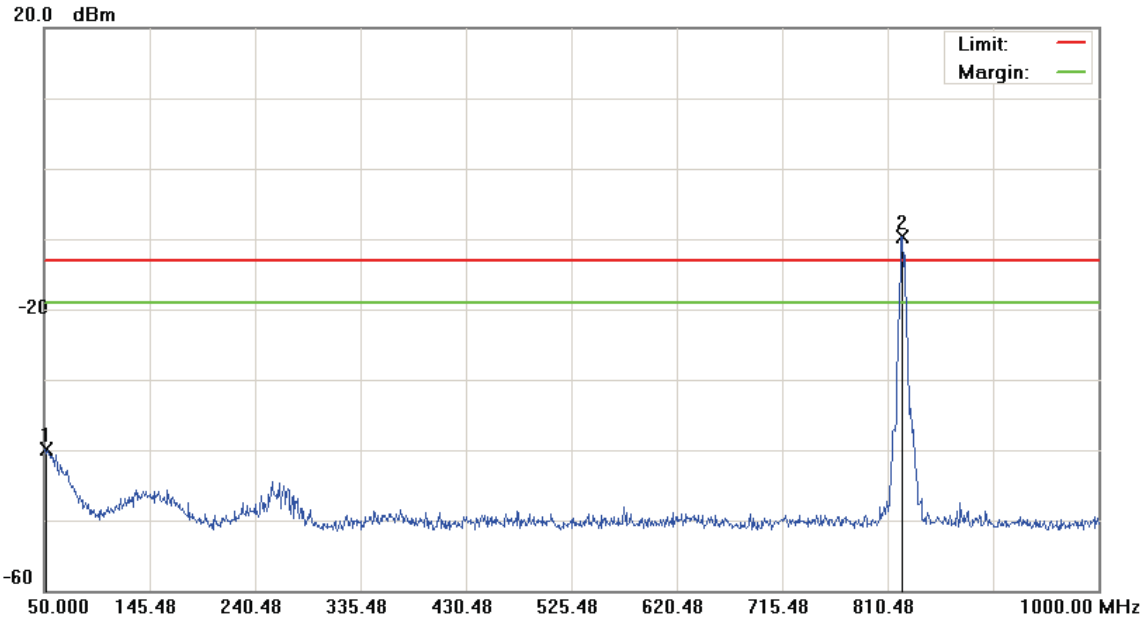
Polarization: *Conducted po*
Power: AC 120V/60Hz
Distance:

Temperature: 23 ℃
Humidity: 55.2 %
RBW: 1000 KHz VBW: 1000 KHz

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	Detector	cm	degree	Comment
1	*	2.6084	-62.24	30.57	-31.67	-13.00	-18.67	peak			

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

File :AC771S(CH128) Data :#2 Date: 2013/2/25 Time: 下午 08:33:43



Site: : RF Conducted
Limit: FCC Part 22 conducted(9k-12.75G)
EUT: Wireless Mobile HotSpot
M/N: AirCard 771S
Mode: GSM 850
Note: CH 128

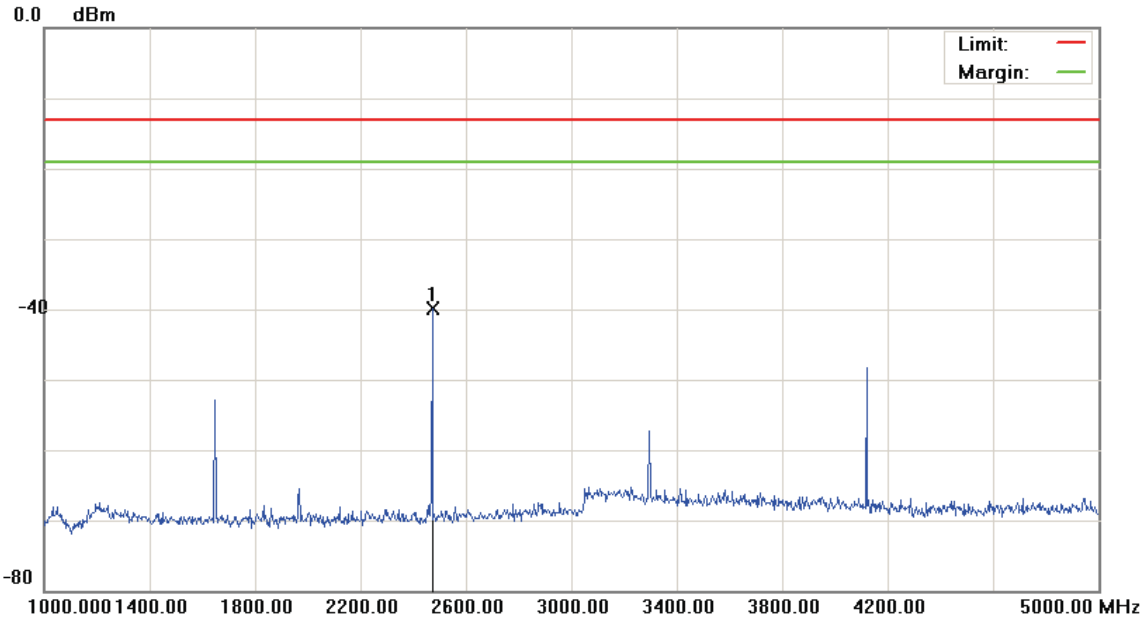
Polarization: *Conducted po*
Power: AC 120V/60Hz
Distance:

Temperature: 23 ℃
Humidity: 55.2 %
RBW: 1000 KHz VBW: 1000 KHz

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	Detector	cm	degree	Comment
1		51.4250	-54.30	14.44	-39.86	-13.00	-26.86	peak			
2	*	823.3000	-13.44	3.83	-9.61	-13.00	3.39	peak			Tx

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

File :AC771S(CH128) Data :#3 Date: 2013/2/25 Time: 下午 08:42:22



Site: : RF Conducted
Limit: FCC Part 22 conducted(9k-12.75G)
EUT: Wireless Mobile HotSpot
M/N: AirCard 771S
Mode: GSM 850
Note: CH 128

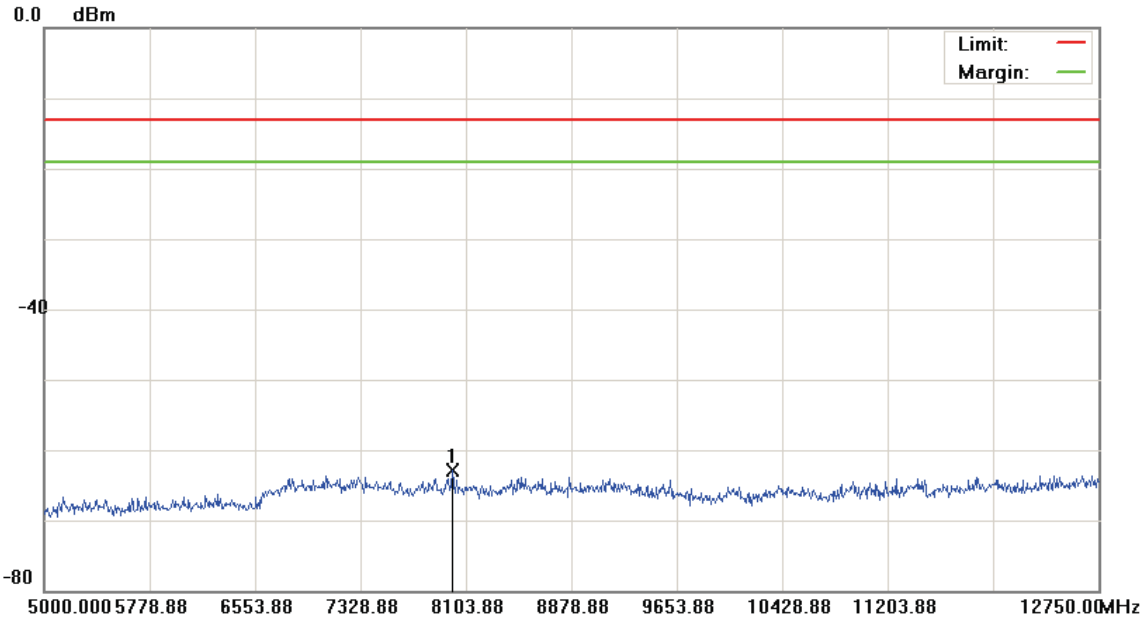
Polarization: *Conducted po*
Power: AC 120V/60Hz
Distance:

Temperature: 23 ℃
Humidity: 55.2 %
RBW: 1000 KHz VBW: 1000 KHz

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	Detector	cm	degree	Comment
1	*	2472.000	-44.31	4.45	-39.86	-13.00	-26.86	peak			

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

File :AC771S(CH128) Data :#4 Date: 2013/2/25 Time: 下午 08:42:45



Site: : RF Conducted
Limit: FCC Part 22 conducted(9k-12.75G)
EUT: Wireless Mobile HotSpot
M/N: AirCard 771S
Mode: GSM 850
Note: CH 128

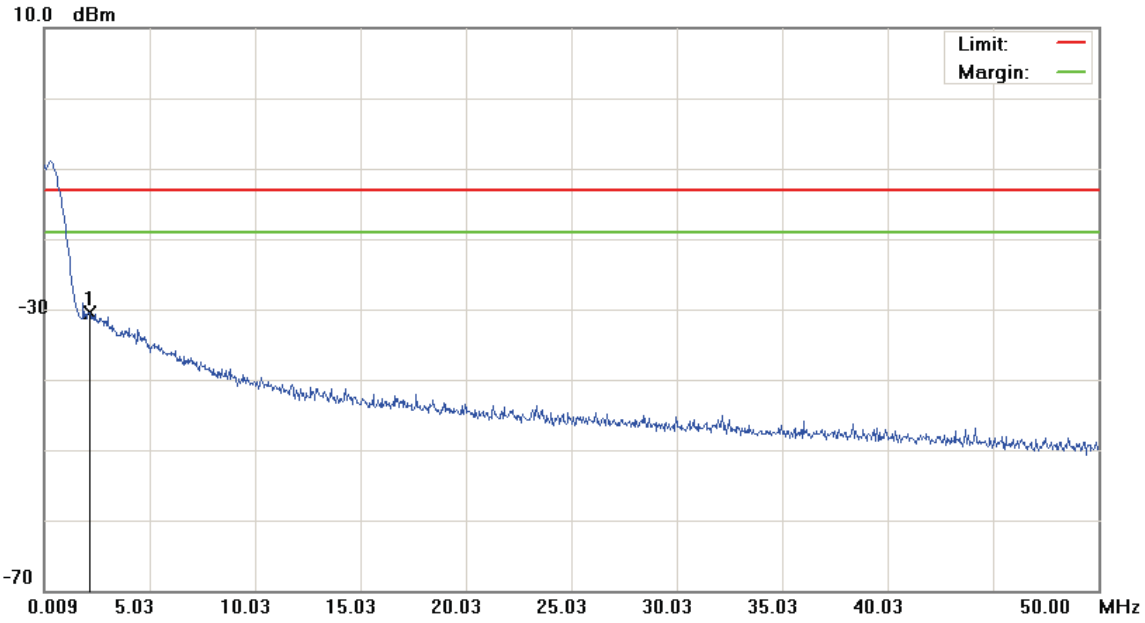
Polarization: *Conducted po*
Power: AC 120V/60Hz
Distance:

Temperature: 23 ℃
Humidity: 55.2 %
RBW: 1000 KHz VBW: 1000 KHz

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	Detector	cm	degree	Comment
1	*	7999.250	-68.41	5.57	-62.84	-13.00	-49.84	peak			

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

File :AC771S(CH190) Data :#1 Date: 2013/2/25 Time: 下午 08:36:25



Site: : RF Conducted
Limit: FCC Part 22 conducted(9k-12.75G)
EUT: Wireless Mobile HotSpot
M/N: AirCard 771S
Mode: GSM 850
Note: CH 190

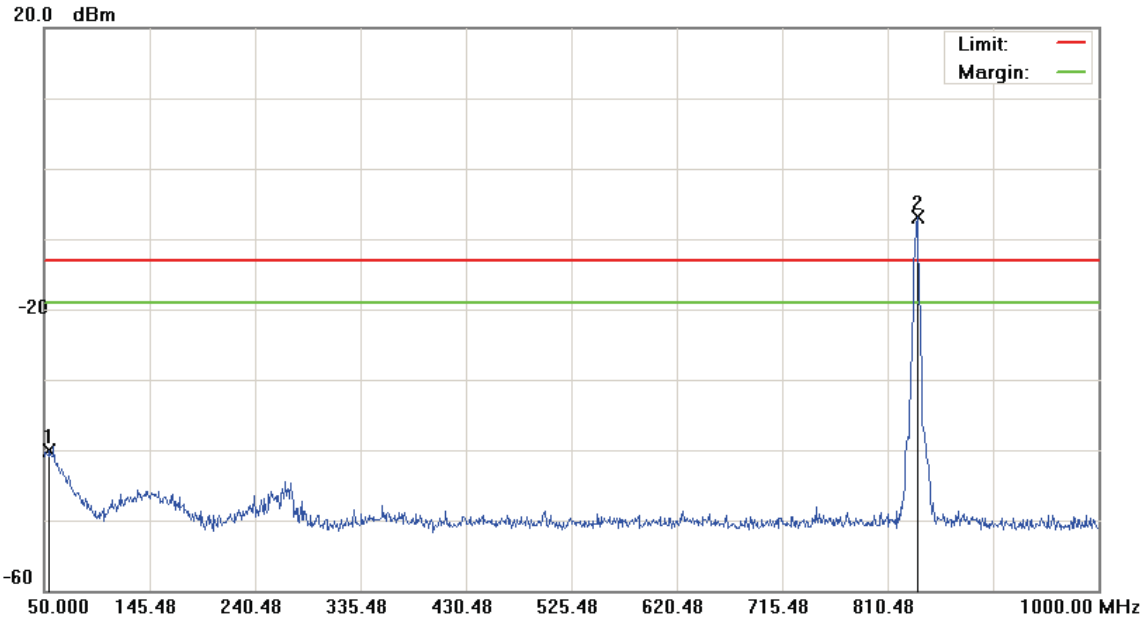
Polarization: *Conducted po*
Power: AC 120V/60Hz
Distance:

Temperature: 23 ℃
Humidity: 55.2 %
RBW: 1000 KHz VBW: 1000 KHz

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	Detector	cm	degree	Comment
1	*	2.1585	-61.86	31.41	-30.45	-13.00	-17.45	peak			

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

File :AC771S(CH190) Data :#2 Date: 2013/2/25 Time: 下午 08:36:49



Site: : RF Conducted
Limit: FCC Part 22 conducted(9k-12.75G)
EUT: Wireless Mobile HotSpot
M/N: AirCard 771S
Mode: GSM 850
Note: CH 190

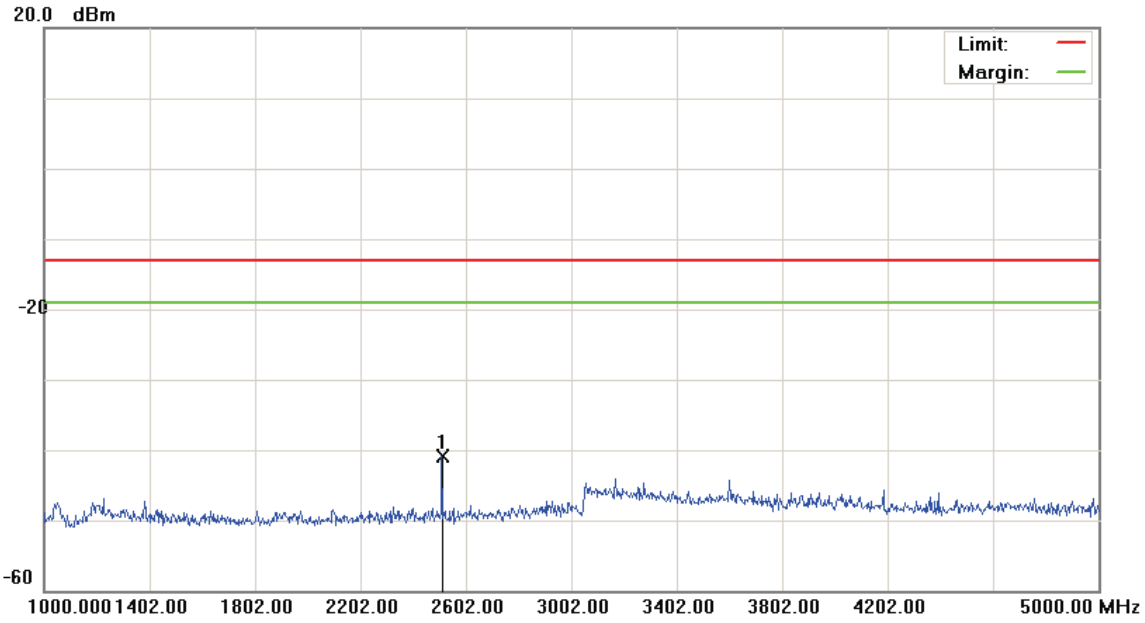
Polarization: *Conducted po*
Power: AC 120V/60Hz
Distance:

Temperature: 23 ℃
Humidity: 55.2 %
RBW: 1000 KHz VBW: 1000 KHz

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	Detector	cm	degree	Comment
1		54.7500	-53.88	13.85	-40.03	-13.00	-27.03	peak			
2	*	836.6000	-10.92	3.96	-6.96	-13.00	6.04	peak			Tx

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

File :AC771S(CH190) Data :#3 Date: 2013/2/25 Time: 下午 08:43:36



Site: : RF Conducted
Limit: FCC Part 22 conducted(9k-12.75G)
EUT: Wireless Mobile HotSpot
M/N: AirCard 771S
Mode: GSM 850
Note: CH 190

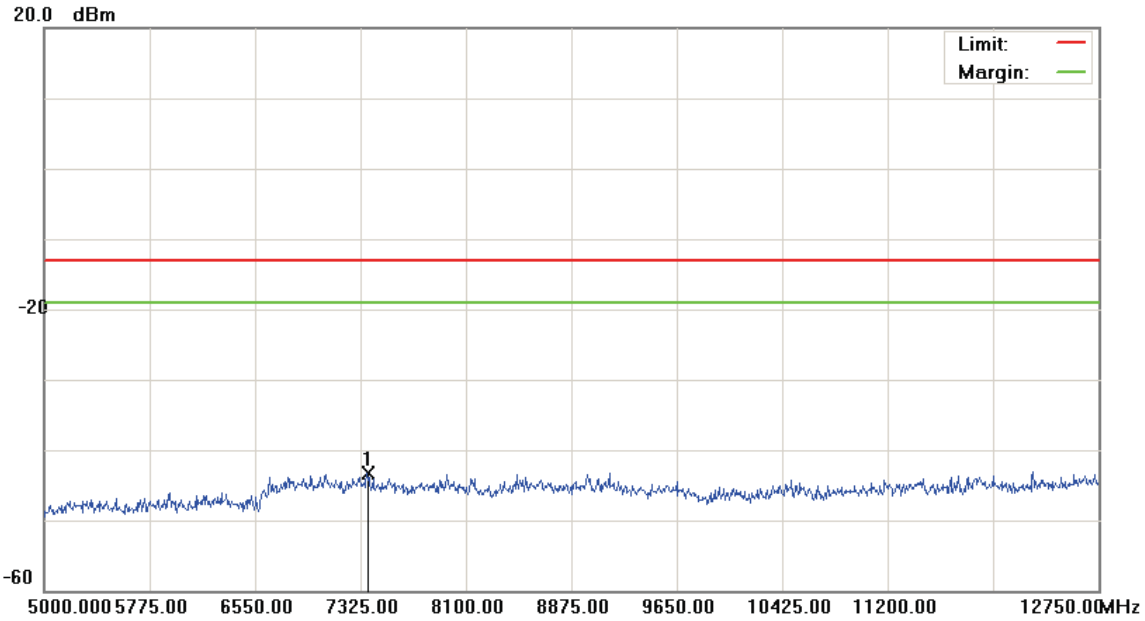
Polarization: *Conducted po*
Power: AC 120V/60Hz
Distance:

Temperature: 23 ℃
Humidity: 55.2 %
RBW: 1000 KHz VBW: 1000 KHz

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	Detector	cm	degree	Comment
1	*	2510.000	-45.25	4.36	-40.89	-13.00	-27.89	peak			

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

File :AC771S(CH190) Data :#4 Date: 2013/2/25 Time: 下午 08:43:59



Site: : RF Conducted
Limit: FCC Part 22 conducted(9k-12.75G)
EUT: Wireless Mobile HotSpot
M/N: AirCard 771S
Mode: GSM 850
Note: CH 190

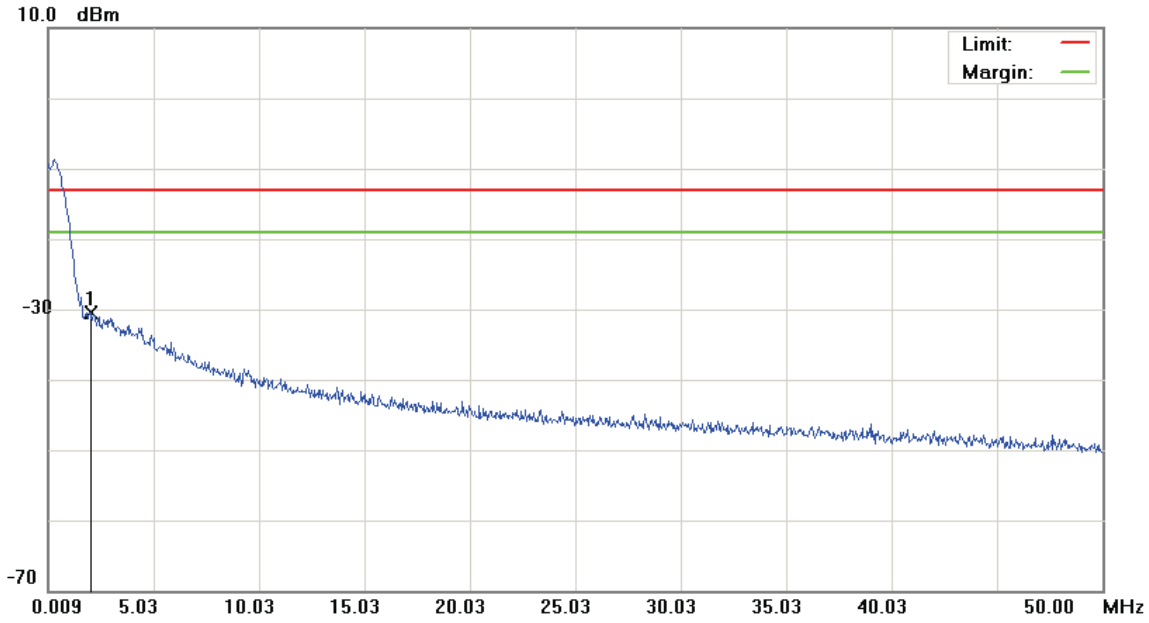
Polarization: *Conducted po*
Power: AC 120V/60Hz
Distance:

Temperature: 23 ℃
Humidity: 55.2 %
RBW: 1000 KHz VBW: 1000 KHz

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	Detector	cm	degree	Comment
1	*	7375.375	-48.43	5.12	-43.31	-13.00	-30.31	peak			

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

File :AC771S(CH251) Data :#1 Date: 2013/2/25 Time: 下午 08:38:36



Site: : RF Conducted
Limit: FCC Part 22 conducted(9k-12.75G)
EUT: Wireless Mobile HotSpot
M/N: AirCard 771S
Mode: GSM 850
Note: CH 251

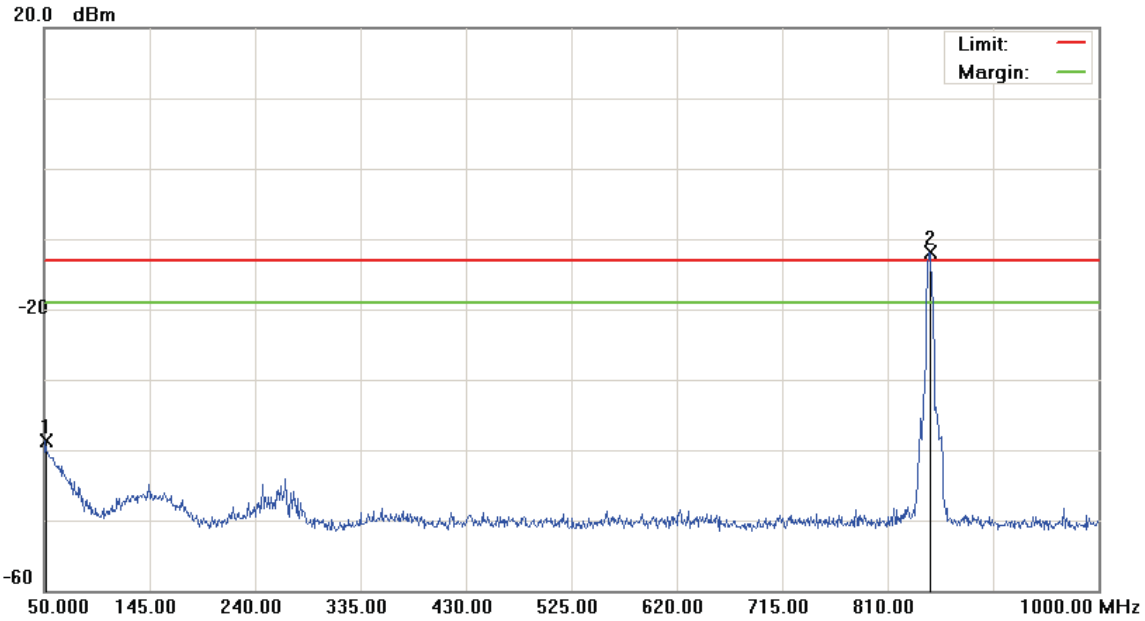
Polarization: *Conducted po*
Power: AC 120V/60Hz
Distance:

Temperature: 23 ℃
Humidity: 55.2 %
RBW: 1000 KHz VBW: 1000 KHz

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	Detector	cm	degree	Comment
1	*	2.0335	-61.84	31.41	-30.43	-13.00	-17.43	peak			

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

File :AC771S(CH251) Data :#2 Date: 2013/2/25 Time: 下午 08:38:59



Site: : RF Conducted
Limit: FCC Part 22 conducted(9k-12.75G)
EUT: Wireless Mobile HotSpot
M/N: AirCard 771S
Mode: GSM 850
Note: CH 251

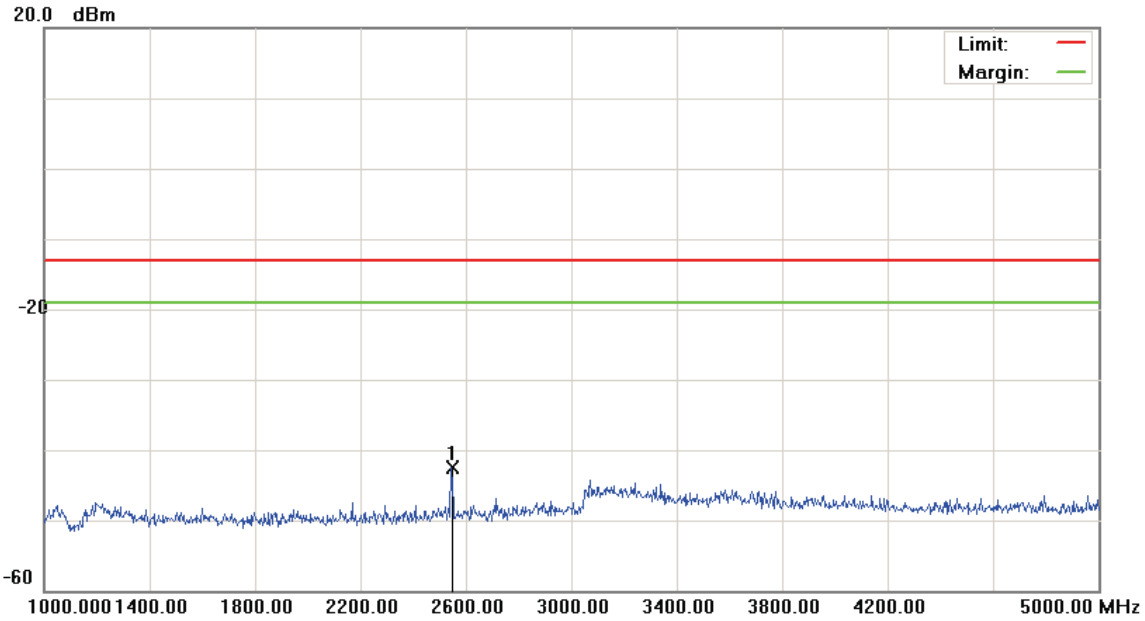
Polarization: *Conducted po*
Power: AC 120V/60Hz
Distance:

Temperature: 23 ℃
Humidity: 55.2 %
RBW: 1000 KHz VBW: 1000 KHz

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	Detector	cm	degree	Comment
1		51.4250	-53.23	14.44	-38.79	-13.00	-25.79	peak			
2	*	847.5250	-15.93	3.98	-11.95	-13.00	1.05	peak			Tx

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

File :AC771S(CH251) Data :#3 Date: 2013/2/25 Time: 下午 08:44:41



Site: : RF Conducted
Limit: FCC Part 22 conducted(9k-12.75G)
EUT: Wireless Mobile HotSpot
M/N: AirCard 771S
Mode: GSM 850
Note: CH 251

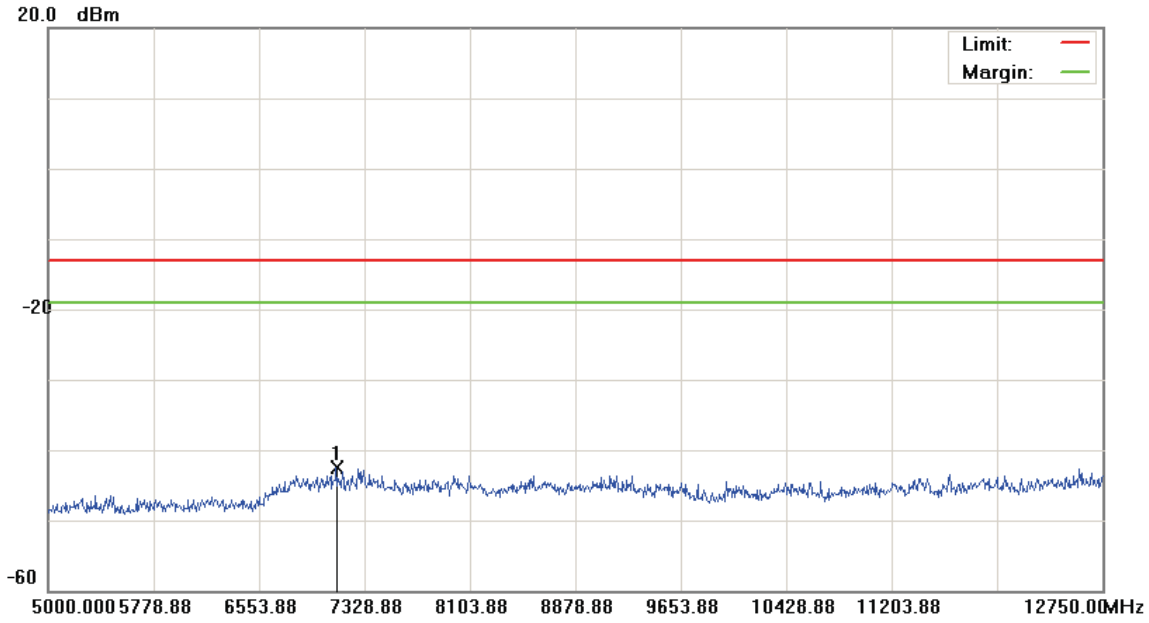
Polarization: *Conducted po*
Power: AC 120V/60Hz
Distance:

Temperature: 23 ℃
Humidity: 55.2 %
RBW: 1000 KHz VBW: 1000 KHz

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	Detector	cm	degree	Comment
1	*	2546.000	-47.04	4.45	-42.59	-13.00	-29.59	peak			

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

File :AC771S(CH251) Data :#4 Date: 2013/2/25 Time: 下午 08:45:04



Site: : RF Conducted
Limit: FCC Part 22 conducted(9k-12.75G)
EUT: Wireless Mobile HotSpot
M/N: AirCard 771S
Mode: GSM 850
Note: CH 251

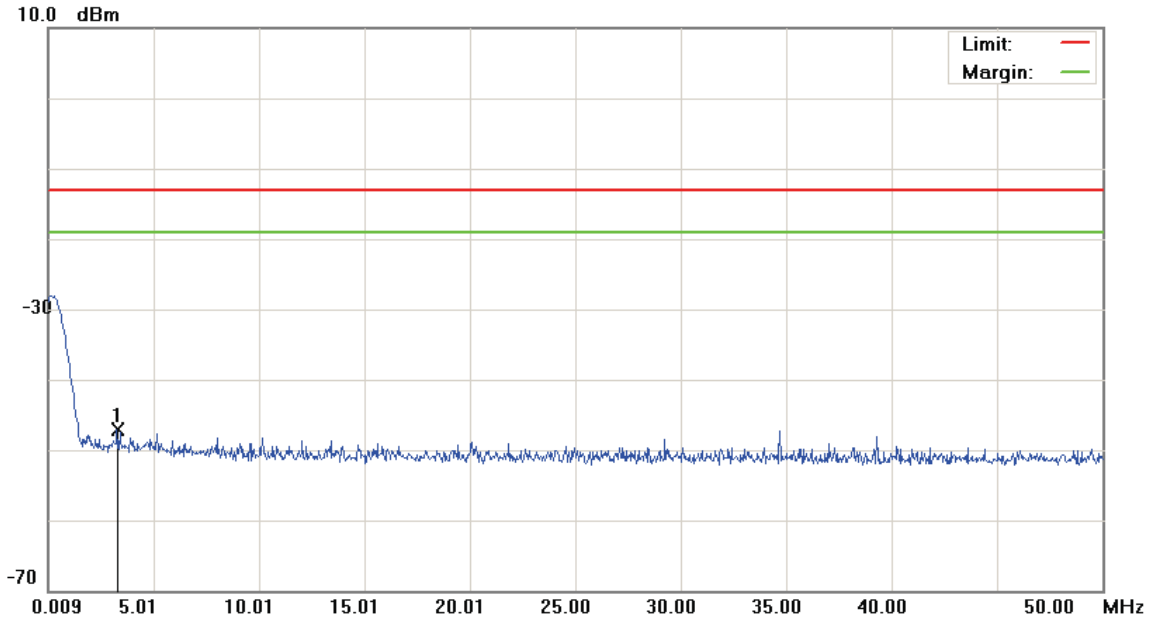
Polarization: *Conducted po*
Power: AC 120V/60Hz
Distance:

Temperature: 23 ℃
Humidity: 55.2 %
RBW: 1000 KHz VBW: 1000 KHz

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	Detector	cm	degree	Comment
1	*	7119.625	-47.72	5.17	-42.55	-13.00	-29.55	peak			

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

File :AC771S(CH512) Data :#1 Date: 2013/2/25 Time: 下午 07:31:38



Site: : RF Conducted
Limit: FCC Part 24 conducted(9k-26.5G)
EUT: Wireless Mobile HotSpot
M/N: AirCard 771S
Mode: GSM 1900
Note: CH 512

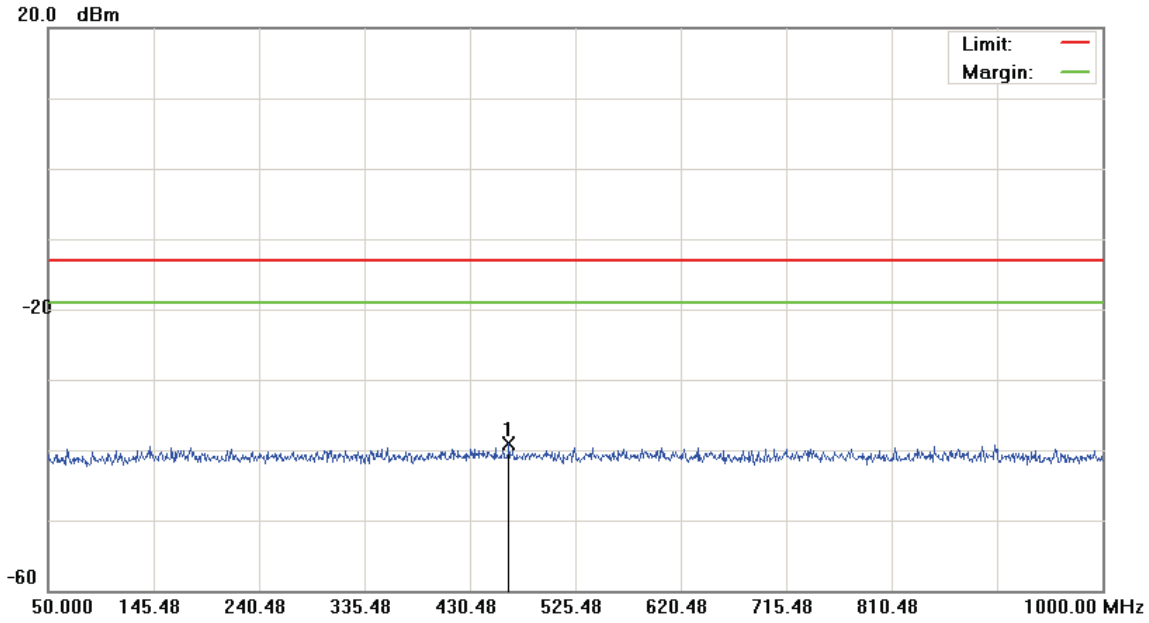
Polarization: *Conducted po*
Power: AC 120V/60Hz
Distance:

Temperature: 23 ℃
Humidity: 55.2 %
RBW: 1000 KHz VBW: 1000 KHz

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	Detector	cm	degree	Comment
1	*	3.2833	-60.27	13.09	-47.18	-13.00	-34.18	peak			

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

File :AC771S(CH512) Data :#2 Date: 2013/2/25 Time: 下午 07:32:02



Site: : RF Conducted
Limit: FCC Part 24 conducted(9k-26.5G)
EUT: Wireless Mobile HotSpot
M/N: AirCard 771S
Mode: GSM 1900
Note: CH 512

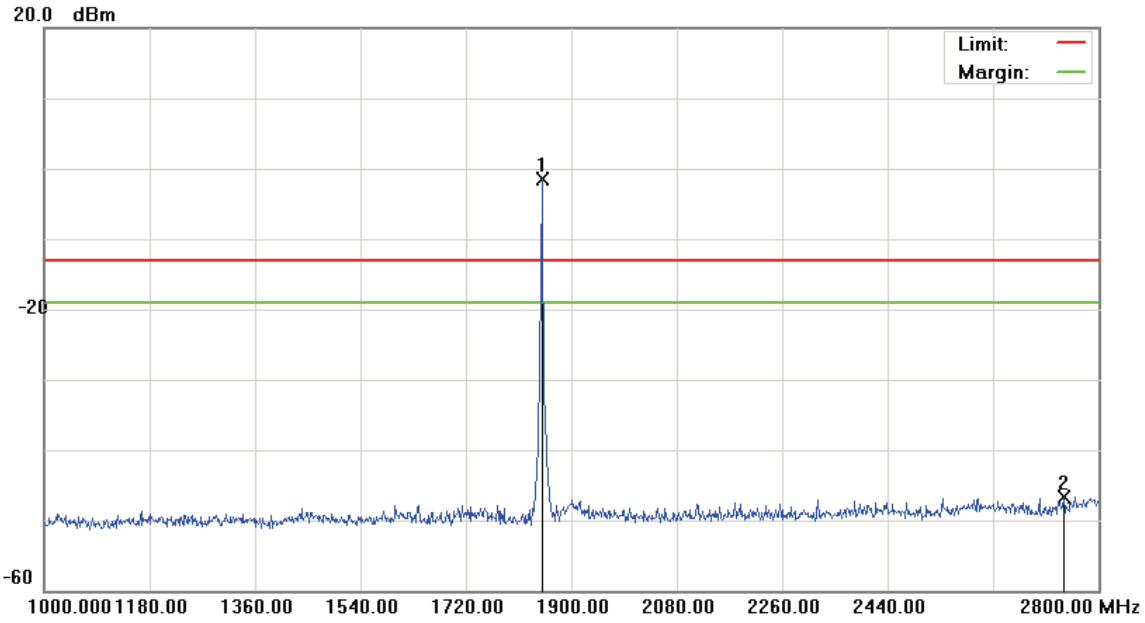
Polarization: *Conducted po*
Power: AC 120V/60Hz
Distance:

Temperature: 23 ℃
Humidity: 55.2 %
RBW: 1000 KHz VBW: 1000 KHz

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	Detector	cm	degree	Comment
1	*	465.1500	-52.35	13.19	-39.16	-13.00	-26.16	peak			

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

File :AC771S(CH512) Data :#3 Date: 2013/2/25 Time: 下午 07:37:44



Site: : RF Conducted
Limit: FCC Part 24 conducted(9k-26.5G)
EUT: Wireless Mobile HotSpot
M/N: AirCard 771S
Mode: GSM 1900
Note: CH 512

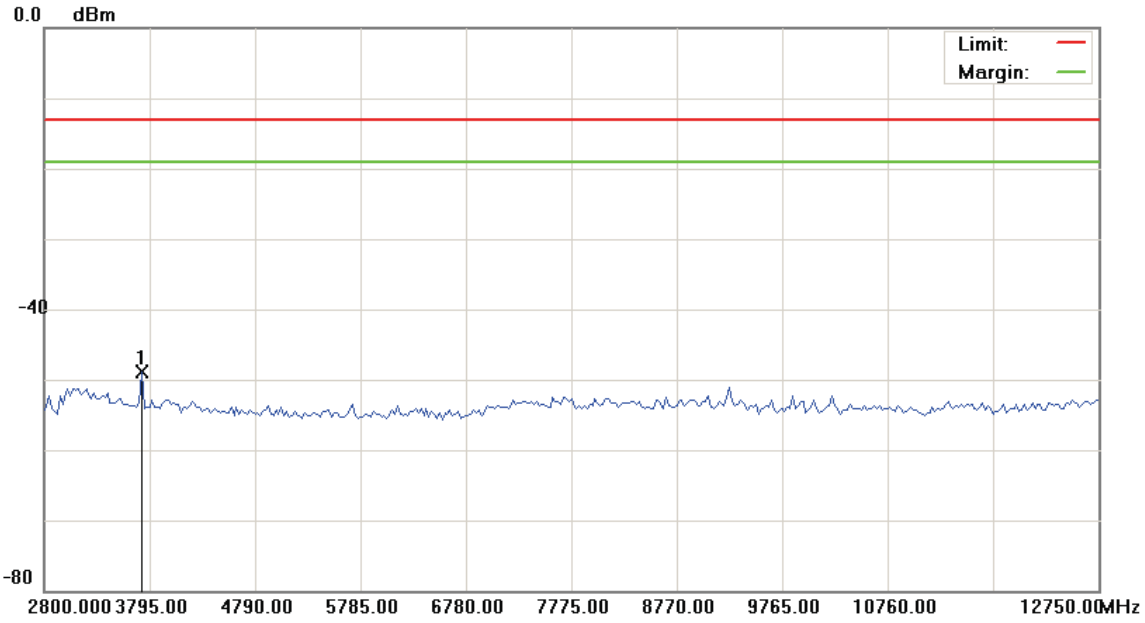
Polarization: *Conducted po*
Power: AC 120V/60Hz
Distance:

Temperature: 23 ℃
Humidity: 55.2 %
RBW: 1000 KHz VBW: 1000 KHz

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	Detector	cm	degree	Comment
1	*	1850.500	-5.85	4.26	-1.59	-13.00	11.41	peak			Tx
2		2740.600	-51.79	5.15	-46.64	-13.00	-33.64	peak			

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

File :AC771S(CH512) Data :#4 Date: 2013/2/25 Time: 下午 08:27:57



Site: : RF Conducted
Limit: FCC Part 24 conducted(9k-26.5G)
EUT: Wireless Mobile HotSpot
M/N: AirCard 771S
Mode: GSM 1900
Note: CH 512

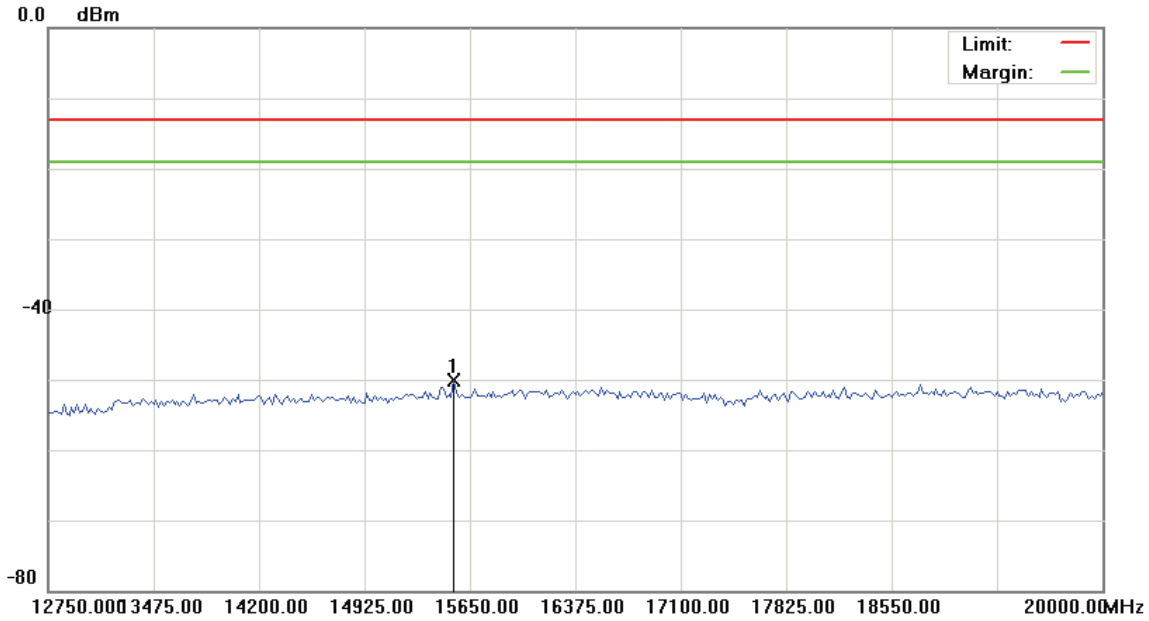
Polarization: *Conducted po*
Power: AC 120V/60Hz
Distance:

Temperature: 23 ℃
Humidity: 55.2 %
RBW: 1000 KHz VBW: 1000 KHz

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	Detector	cm	degree	Comment
1	*	3720.375	-53.79	4.88	-48.91	-13.00	-35.91	peak			

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

File :AC771S(CH512) Data :#5 Date: 2013/2/25 Time: 下午 08:28:16



Site: : RF Conducted
Limit: FCC Part 24 conducted(9k-26.5G)
EUT: Wireless Mobile HotSpot
M/N: AirCard 771S
Mode: GSM 1900
Note: CH 512

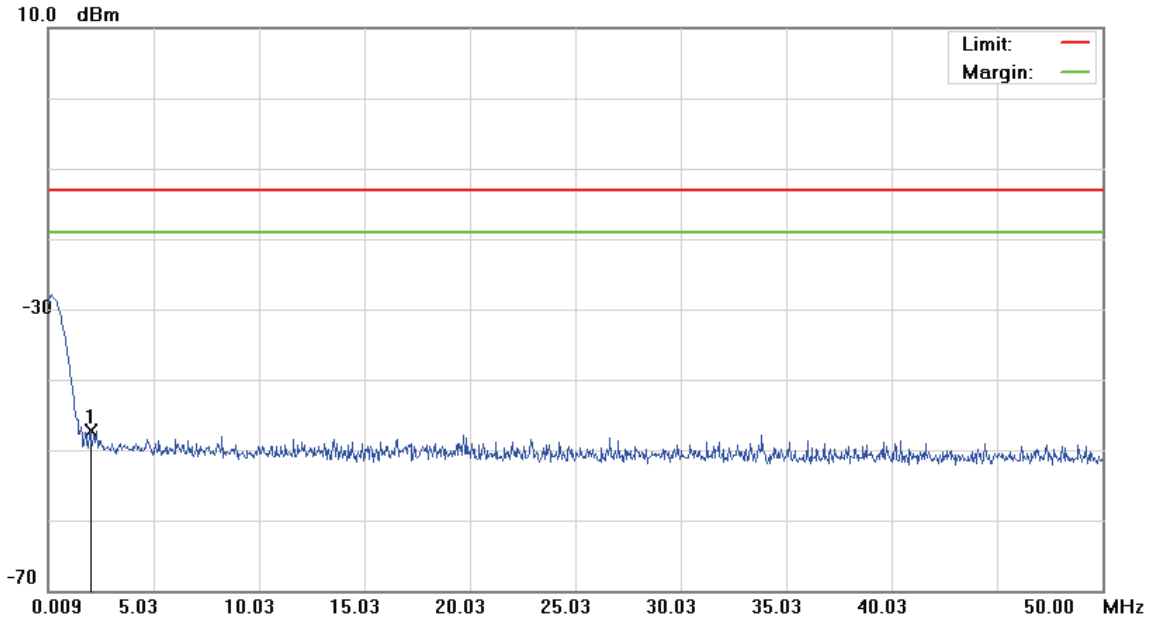
Polarization: Conducted po
Power: AC 120V/60Hz
Distance:

Temperature: 23 ℃
Humidity: 55.2 %
RBW: 1000 KHz VBW: 1000 KHz

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	Detector	cm	degree	Comment
1	*	15541.250	-56.29	6.17	-50.12	-13.00	-37.12	peak			

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

File :AC771S(CH661) Data :#1 Date: 2013/2/25 Time: 下午 07:33:00



Site: : RF Conducted
Limit: FCC Part 24 conducted(9k-26.5G)
EUT: Wireless Mobile HotSpot
M/N: AirCard 771S
Mode: GSM 1900
Note: CH 661

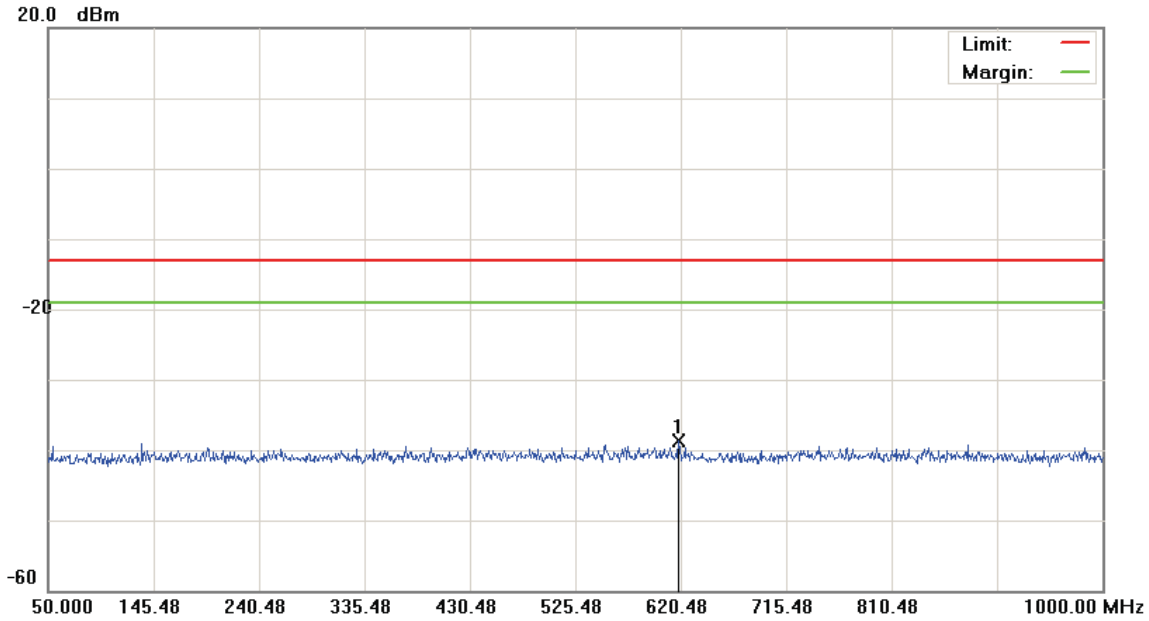
Polarization: *Conducted po*
Power: AC 120V/60Hz
Distance:

Temperature: 23 ℃
Humidity: 55.2 %
RBW: 1000 KHz VBW: 1000 KHz

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	Detector	cm	degree	Comment
1	*	2.0085	-60.47	13.21	-47.26	-13.00	-34.26	peak			

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

File :AC771S(CH661) Data :#2 Date: 2013/2/25 Time: 下午 07:33:24



Site: : RF Conducted
Limit: FCC Part 24 conducted(9k-26.5G)
EUT: Wireless Mobile HotSpot
M/N: AirCard 771S
Mode: GSM 1900
Note: CH 661

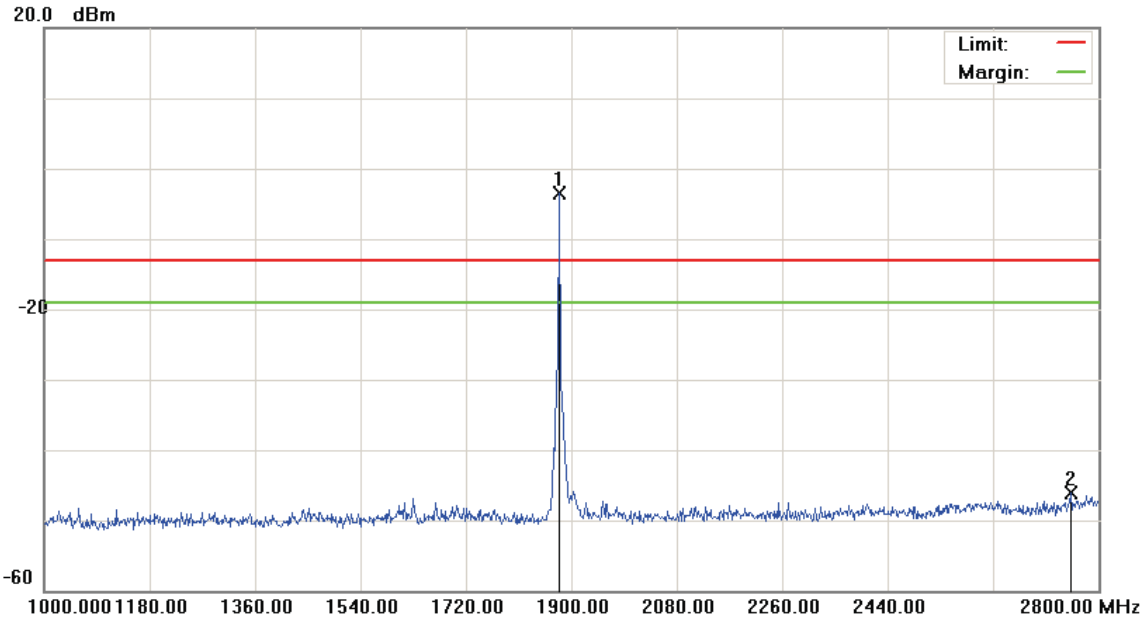
Polarization: *Conducted po*
Power: AC 120V/60Hz
Distance:

Temperature: 23 ℃
Humidity: 55.2 %
RBW: 1000 KHz VBW: 1000 KHz

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	Detector	cm	degree	Comment
1	*	618.1000	-51.77	13.13	-38.64	-13.00	-25.64	peak			

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

File :AC771S(CH661) Data :#3 Date: 2013/2/25 Time: 下午 07:39:52



Site: : RF Conducted
Limit: FCC Part 24 conducted(9k-26.5G)
EUT: Wireless Mobile HotSpot
M/N: AirCard 771S
Mode: GSM 1900
Note: CH 661

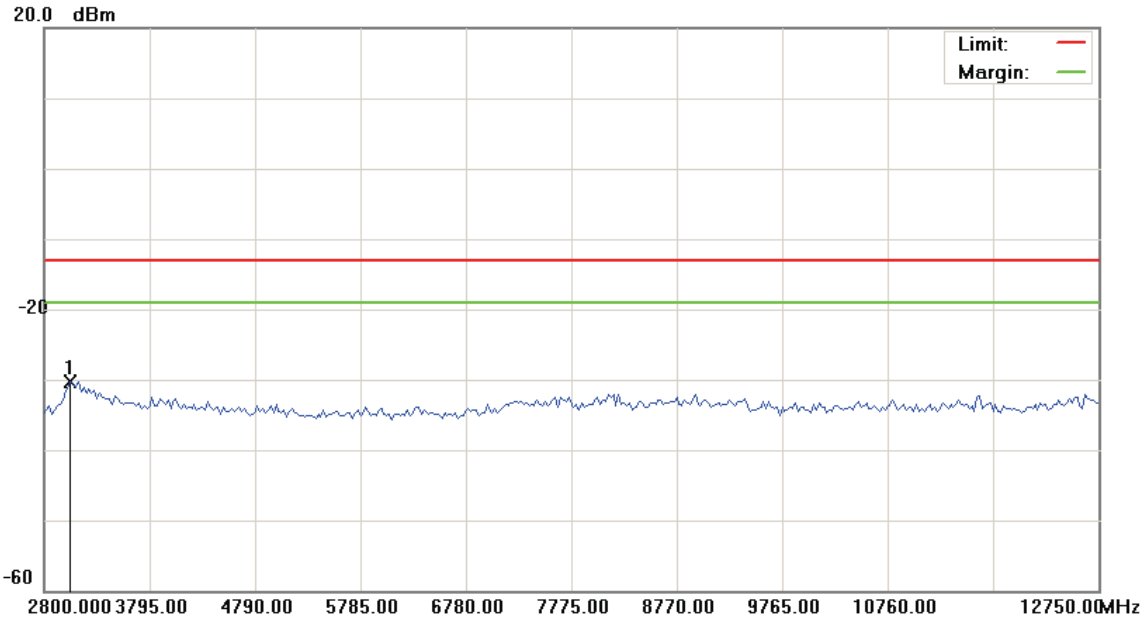
Polarization: *Conducted po*
Power: AC 120V/60Hz
Distance:

Temperature: 23 ℃
Humidity: 55.2 %
RBW: 1000 KHz VBW: 1000 KHz

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	Detector	cm	degree	Comment
1	*	1880.200	-8.15	4.65	-3.50	-13.00	9.50	peak			Tx
2		2753.200	-51.63	5.44	-46.19	-13.00	-33.19	peak			

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

File :AC771S(CH661) Data :#4 Date: 2013/2/25 Time: 下午 08:28:47



Site: : RF Conducted
Limit: FCC Part 24 conducted(9k-26.5G)
EUT: Wireless Mobile HotSpot
M/N: AirCard 771S
Mode: GSM 1900
Note: CH 661

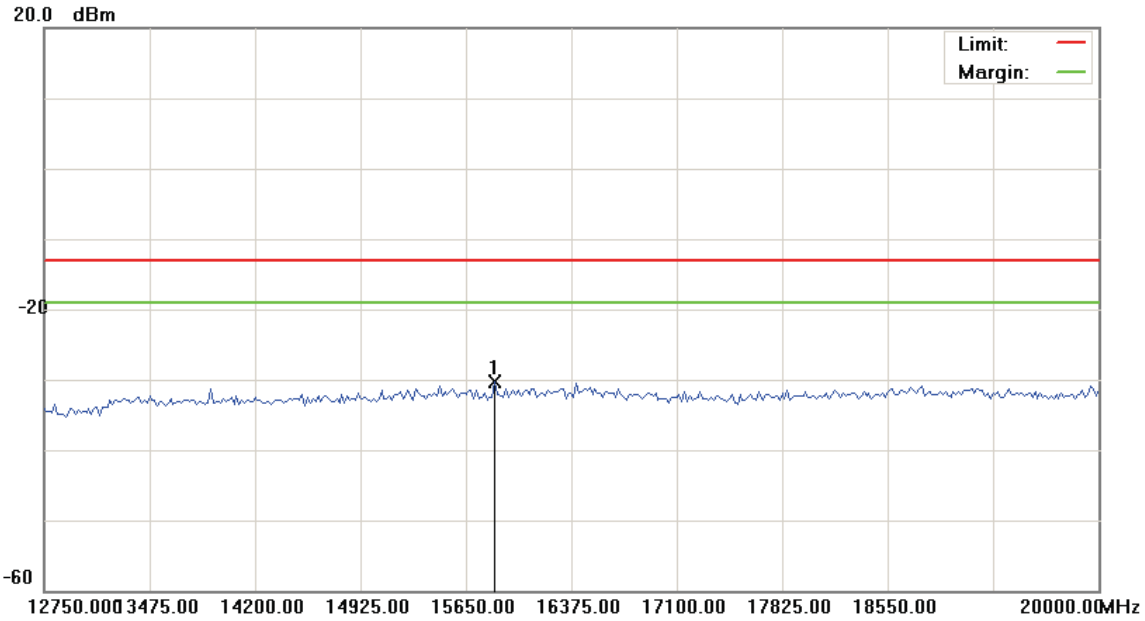
Polarization: *Conducted po*
Power: AC 120V/60Hz
Distance:

Temperature: 23 ℃
Humidity: 55.2 %
RBW: 1000 KHz VBW: 1000 KHz

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	Detector	cm	degree	Comment
1	*	3048.750	-35.85	5.47	-30.38	-13.00	-17.38	peak			

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

File :AC771S(CH661) Data :#5 Date: 2013/2/25 Time: 下午 08:29:07



Site: : RF Conducted
Limit: FCC Part 24 conducted(9k-26.5G)
EUT: Wireless Mobile HotSpot
M/N: AirCard 771S
Mode: GSM 1900
Note: CH 661

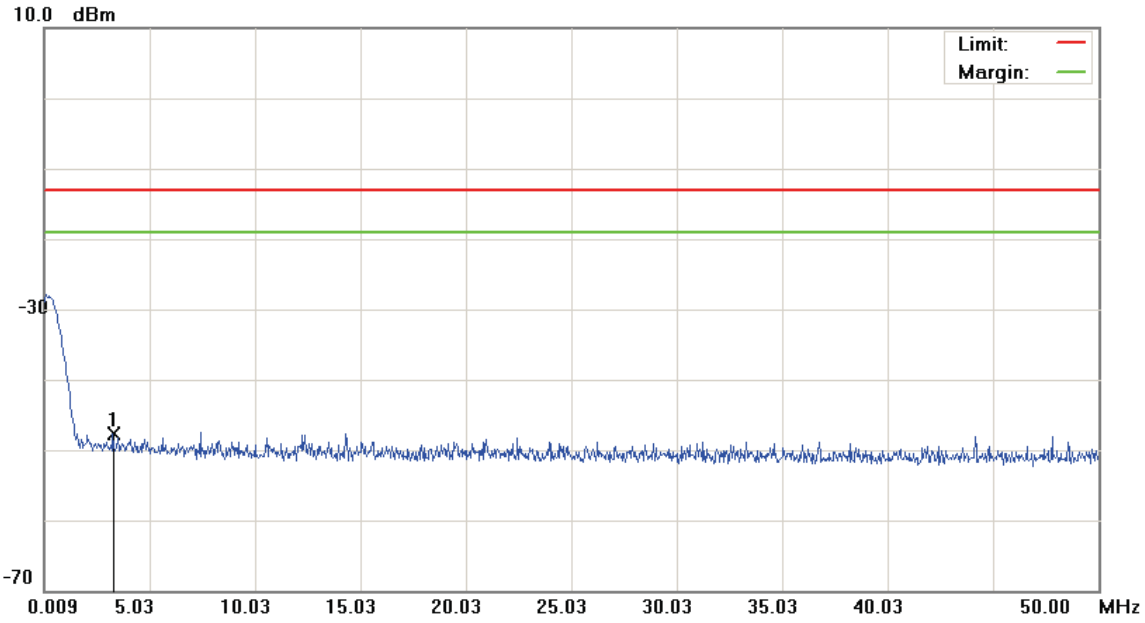
Polarization: *Conducted po*
Power: AC 120V/60Hz
Distance:

Temperature: 23 ℃
Humidity: 55.2 %
RBW: 1000 KHz VBW: 1000 KHz

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	Detector	cm	degree	Comment
1	*	15849.375	-36.63	6.25	-30.38	-13.00	-17.38	peak			

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

File :AC771S(CH810) Data :#1 Date: 2013/2/25 Time: 下午 07:34:41



Site: : RF Conducted
Limit: FCC Part 24 conducted(9k-26.5G)
EUT: Wireless Mobile HotSpot
M/N: AirCard 771S
Mode: GSM 1900
Note: CH 810

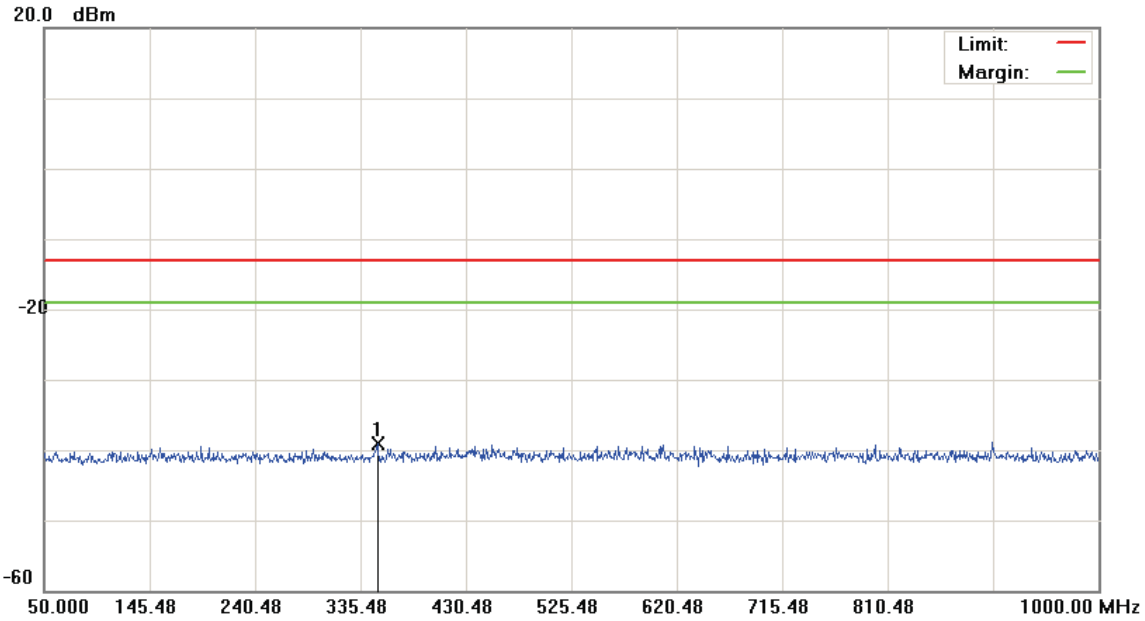
Polarization: *Conducted po*
Power: AC 120V/60Hz
Distance:

Temperature: 23 ℃
Humidity: 55.2 %
RBW: 1000 KHz VBW: 1000 KHz

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	Detector	cm	degree	Comment
1	*	3.2833	-60.73	13.09	-47.64	-13.00	-34.64	peak			

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

File :AC771S(CH810) Data :#2 Date: 2013/2/25 Time: 下午 07:35:05



Site: : RF Conducted
Limit: FCC Part 24 conducted(9k-26.5G)
EUT: Wireless Mobile HotSpot
M/N: AirCard 771S
Mode: GSM 1900
Note: CH 810

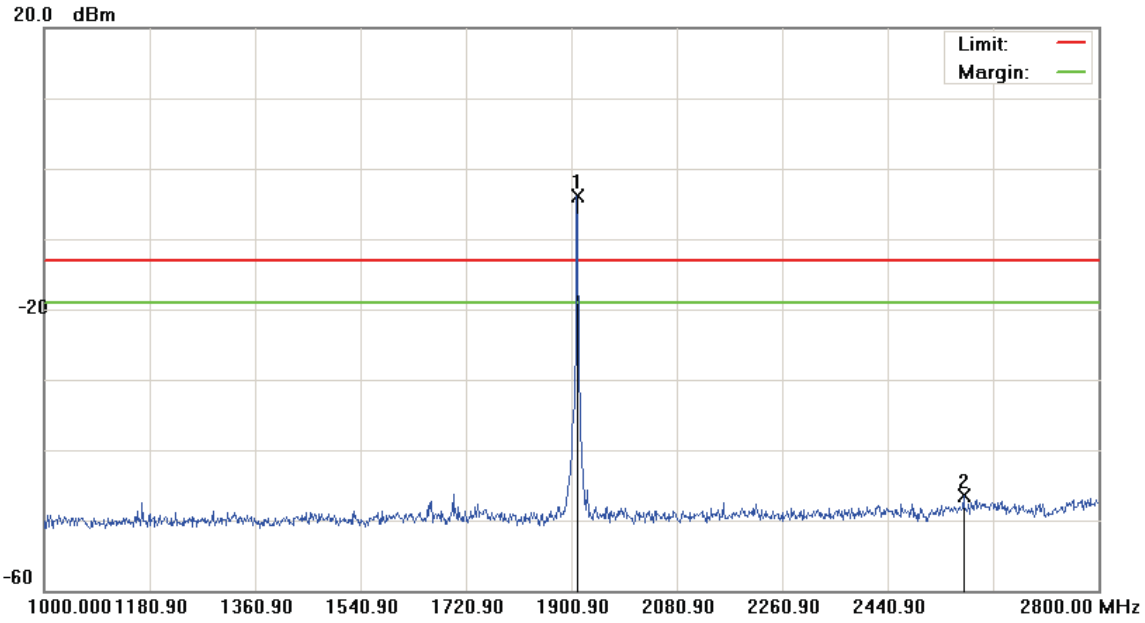
Polarization: *Conducted po*
Power: AC 120V/60Hz
Distance:

Temperature: 23 ℃
Humidity: 55.2 %
RBW: 1000 KHz VBW: 1000 KHz

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	Detector	cm	degree	Comment
1	*	350.2000	-52.33	13.19	-39.14	-13.00	-26.14	peak			

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

File :AC771S(CH810) Data :#3 Date: 2013/2/25 Time: 下午 07:40:57



Site: : RF Conducted
Limit: FCC Part 24 conducted(9k-26.5G)
EUT: Wireless Mobile HotSpot
M/N: AirCard 771S
Mode: GSM 1900
Note: CH 810

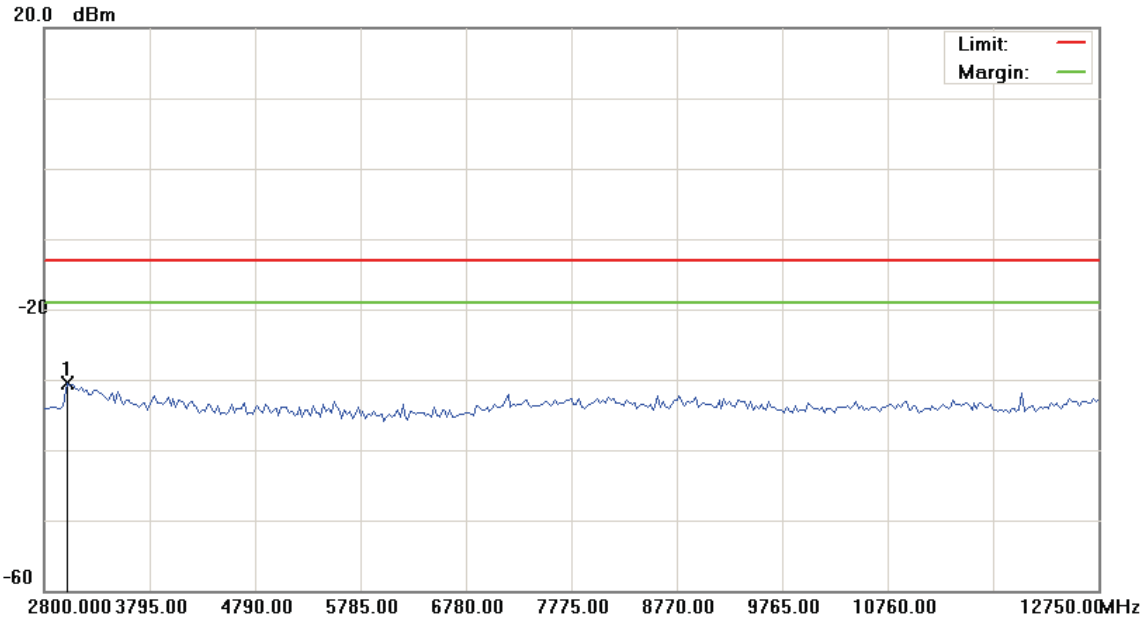
Polarization: *Conducted po*
Power: AC 120V/60Hz
Distance:

Temperature: 23 ℃
Humidity: 55.2 %
RBW: 1000 KHz VBW: 1000 KHz

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	Detector	cm	degree	Comment
1	*	1909.900	-9.55	5.71	-3.84	-13.00	9.16	peak			Tx
2		2569.600	-51.92	5.33	-46.59	-13.00	-33.59	peak			

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

File :AC771S(CH810) Data :#4 Date: 2013/2/25 Time: 下午 08:29:45



Site: : RF Conducted
Limit: FCC Part 24 conducted(9k-26.5G)
EUT: Wireless Mobile HotSpot
M/N: AirCard 771S
Mode: GSM 1900
Note: CH 810

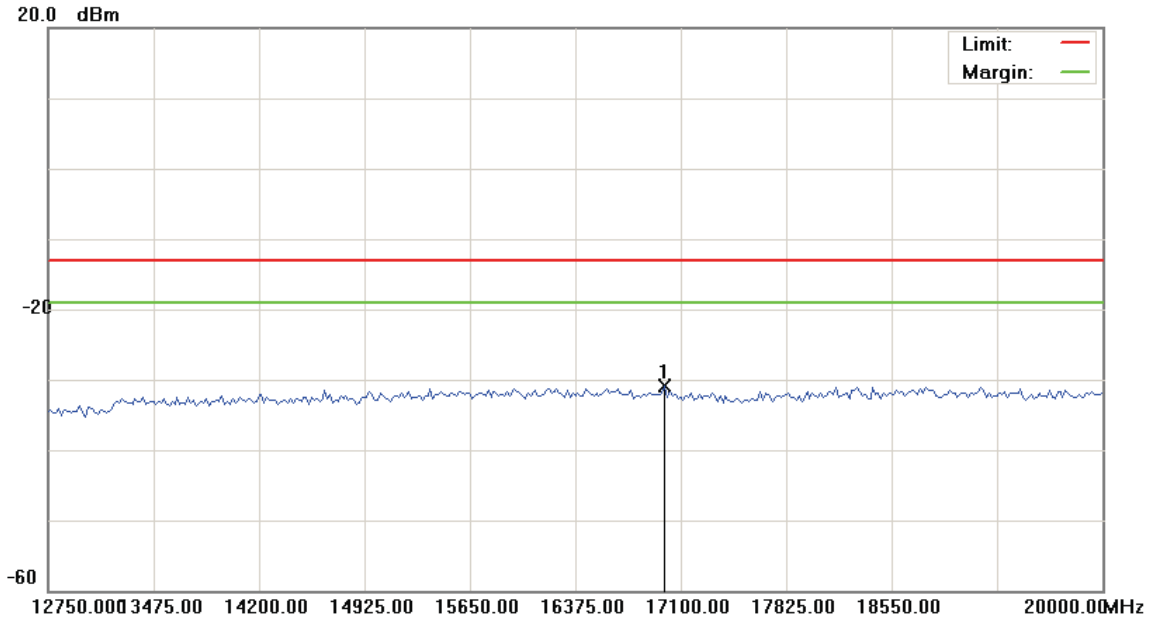
Polarization: *Conducted po*
Power: AC 120V/60Hz
Distance:

Temperature: 23 ℃
Humidity: 55.2 %
RBW: 1000 KHz VBW: 1000 KHz

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	Detector	cm	degree	Comment
1	*	3023.875	-36.01	5.48	-30.53	-13.00	-17.53	peak			

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

File :AC771S(CH810) Data :#5 Date: 2013/2/25 Time: 下午 08:30:05



Site: : RF Conducted
Limit: FCC Part 24 conducted(9k-26.5G)
EUT: Wireless Mobile HotSpot
M/N: AirCard 771S
Mode: GSM 1900
Note: CH 810

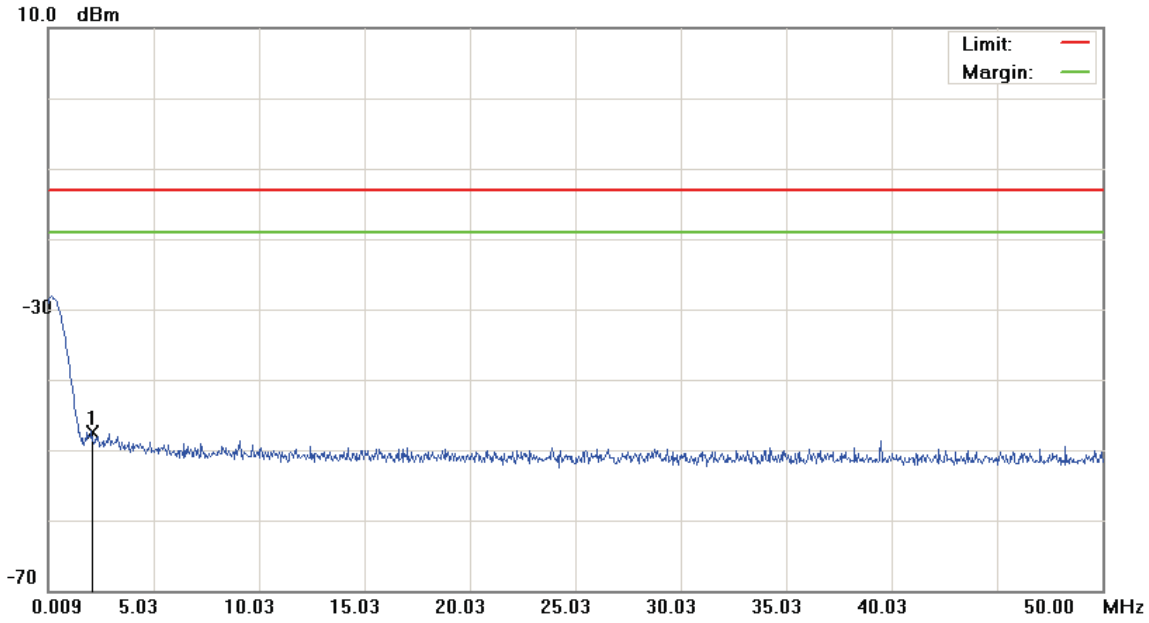
Polarization: *Conducted po*
Power: AC 120V/60Hz
Distance:

Temperature: 23 ℃
Humidity: 55.2 %
RBW: 1000 KHz VBW: 1000 KHz

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	Detector	cm	degree	Comment
1	*	16991.250	-37.53	6.58	-30.95	-13.00	-17.95	peak			

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

File :AC771S(CH9262) Data :#1 Date: 2013/2/25 Time: 下午 07:43:44



Site: : RF Conducted
Limit: FCC Part 24 conducted(9k-26.5G)
EUT: Wireless Mobile HotSpot
M/N: AirCard 771S
Mode: WCDMA Band II
Note: CH 9262

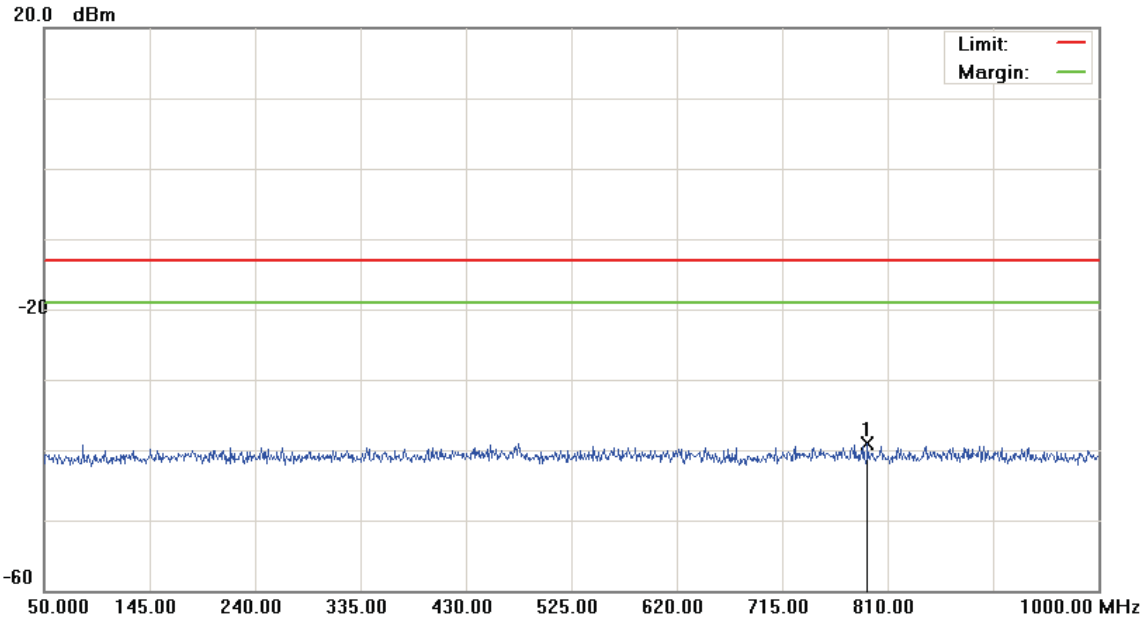
Polarization: *Conducted po*
Power: AC 120V/60Hz
Distance:

Temperature: 23 ℃
Humidity: 55.2 %
RBW: 1000 KHz VBW: 1000 KHz

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	Detector	cm	degree	Comment
1	*	2.0836	-60.57	13.17	-47.40	-13.00	-34.40	peak			

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

File :AC771S(CH9262) Data :#2 Date: 2013/2/25 Time: 下午 07:44:08



Site: : RF Conducted
Limit: FCC Part 24 conducted(9k-26.5G)
EUT: Wireless Mobile HotSpot
M/N: AirCard 771S
Mode: WCDMA Band II
Note: CH 9262

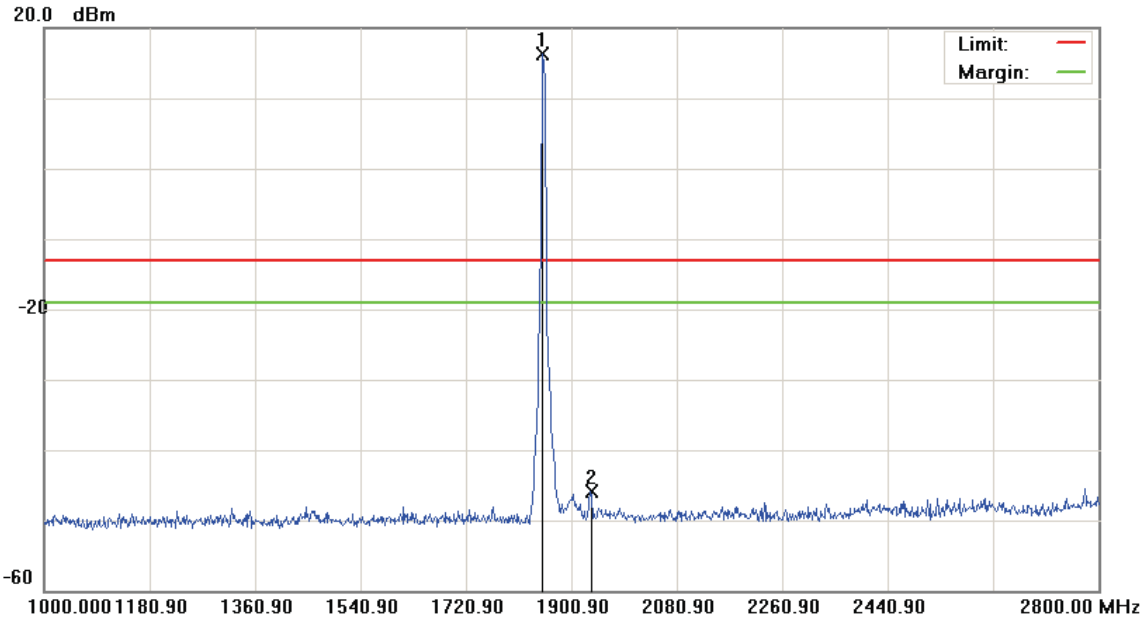
Polarization: *Conducted po*
Power: AC 120V/60Hz
Distance:

Temperature: 23 ℃
Humidity: 55.2 %
RBW: 1000 KHz VBW: 1000 KHz

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	Detector	cm	degree	Comment
1	*	791.9500	-52.24	13.15	-39.09	-13.00	-26.09	peak			

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

File :AC771S(CH9262) Data :#3 Date: 2013/2/25 Time: 下午 07:48:26



Site: : RF Conducted
Limit: FCC Part 24 conducted(9k-26.5G)
EUT: Wireless Mobile HotSpot
M/N: AirCard 771S
Mode: WCDMA Band II
Note: CH 9262

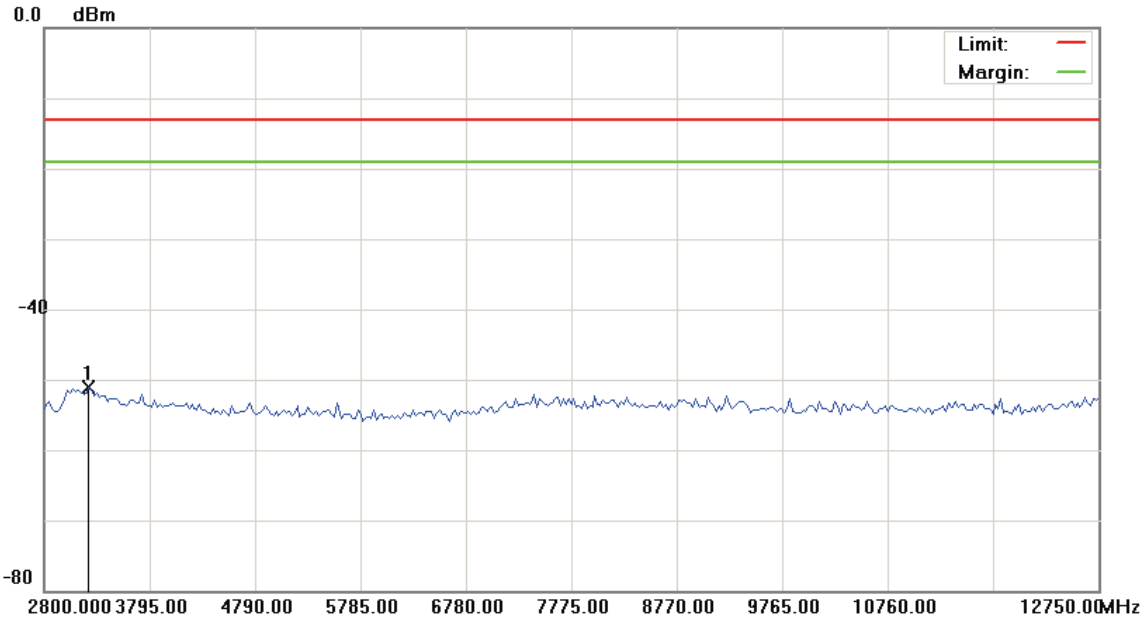
Polarization: *Conducted po*
Power: AC 120V/60Hz
Distance:

Temperature: 23 ℃
Humidity: 55.2 %
RBW: 1000 KHz VBW: 1000 KHz

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	Detector	cm	degree	Comment
1	*	1850.500	12.08	4.26	16.34	-13.00	29.34	peak			Tx
2		1933.300	-50.51	4.66	-45.85	-13.00	-32.85	peak			

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

File :AC771S(CH9262) Data :#4 Date: 2013/2/25 Time: 下午 08:24:17



Site: : RF Conducted
Limit: FCC Part 24 conducted(9k-26.5G)
EUT: Wireless Mobile HotSpot
M/N: AirCard 771S
Mode: WCDMA Band II
Note: CH 9262

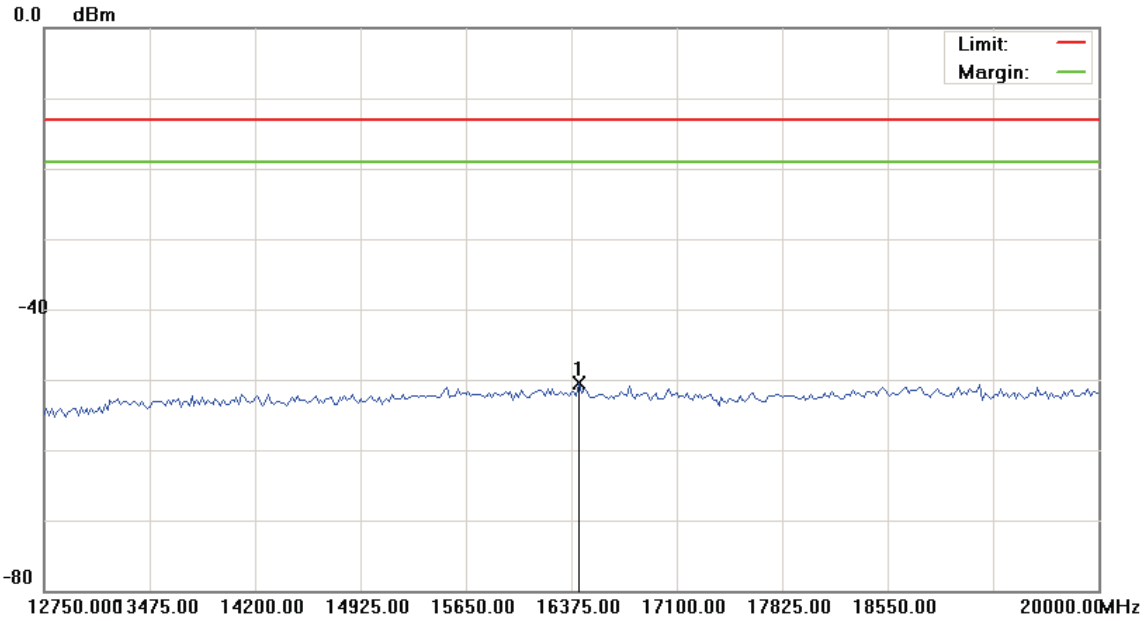
Polarization: *Conducted po*
Power: AC 120V/60Hz
Distance:

Temperature: 23 ℃
Humidity: 55.2 %
RBW: 1000 KHz VBW: 1000 KHz

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	Detector	cm	degree	Comment
1	*	3222.875	-56.27	5.17	-51.10	-13.00	-38.10	peak			

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

File :AC771S(CH9262) Data :#5 Date: 2013/2/25 Time: 下午 08:24:37



Site: : RF Conducted
Limit: FCC Part 24 conducted(9k-26.5G)
EUT: Wireless Mobile HotSpot
M/N: AirCard 771S
Mode: WCDMA Band II
Note: CH 9262

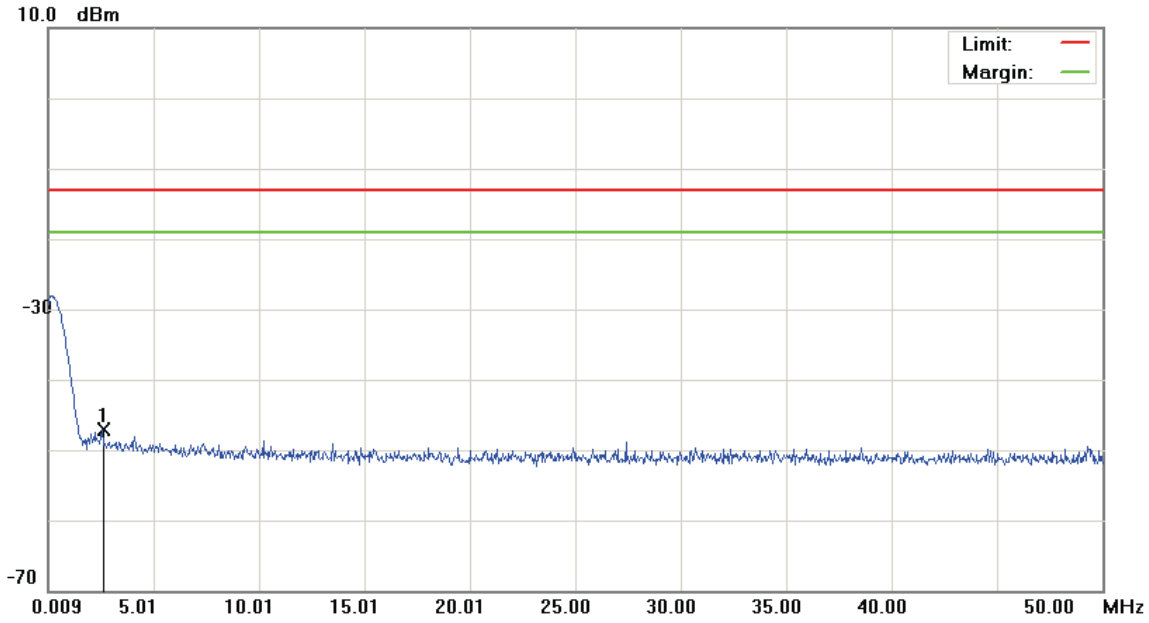
Polarization: *Conducted po*
Power: AC 120V/60Hz
Distance:

Temperature: 23 ℃
Humidity: 55.2 %
RBW: 1000 KHz VBW: 1000 KHz

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	Detector	cm	degree	Comment
1	*	16429.375	-56.84	6.42	-50.42	-13.00	-37.42	peak			

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

File :AC771S(CH9400) Data :#1 Date: 2013/2/25 Time: 下午 07:45:15



Site: : RF Conducted
Limit: FCC Part 24 conducted(9k-26.5G)
EUT: Wireless Mobile HotSpot
M/N: AirCard 771S
Mode: WCDMA Band II
Note: CH 9400

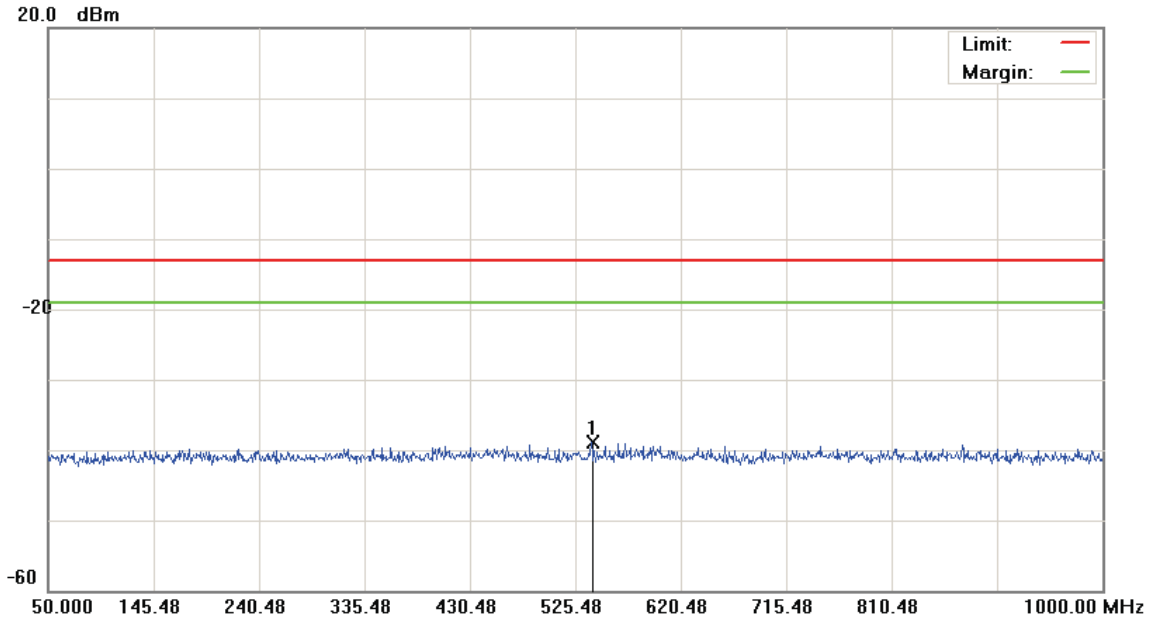
Polarization: *Conducted po*
Power: AC 120V/60Hz
Distance:

Temperature: 23 ℃
Humidity: 55.2 %
RBW: 1000 KHz VBW: 1000 KHz

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	Detector	cm	degree	Comment
1	*	2.5834	-59.98	12.80	-47.18	-13.00	-34.18	peak			

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

File :AC771S(CH9400) Data :#2 Date: 2013/2/25 Time: 下午 07:45:38



Site: : RF Conducted
Limit: FCC Part 24 conducted(9k-26.5G)
EUT: Wireless Mobile HotSpot
M/N: AirCard 771S
Mode: WCDMA Band II
Note: CH 9400

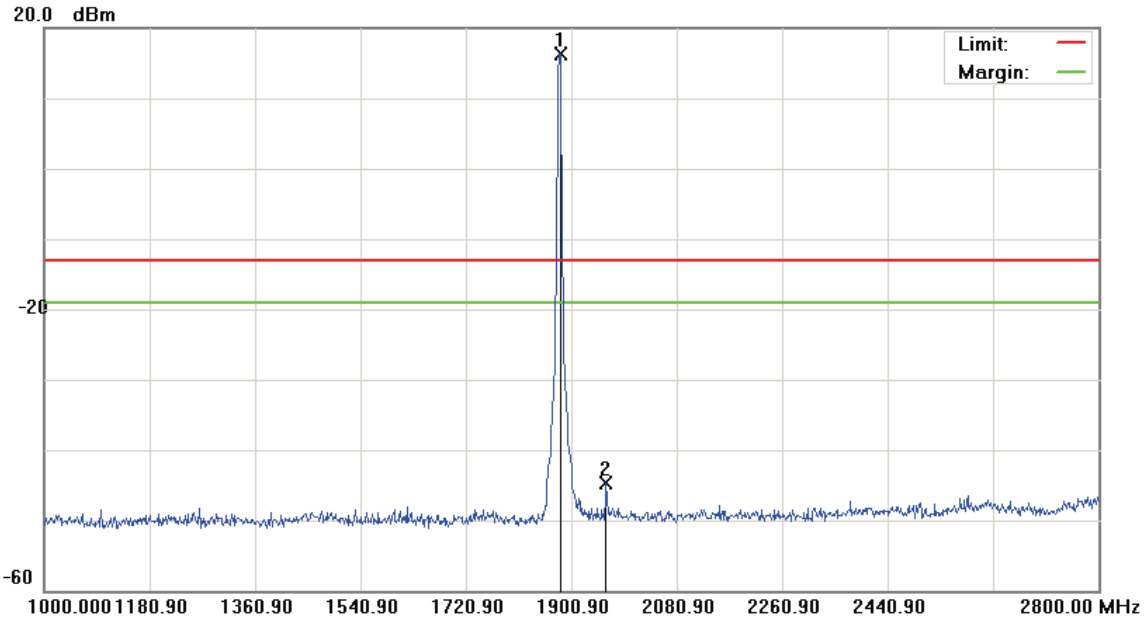
Polarization: *Conducted po*
Power: AC 120V/60Hz
Distance:

Temperature: 23 ℃
Humidity: 55.2 %
RBW: 1000 KHz VBW: 1000 KHz

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	Detector	cm	degree	Comment
1	*	539.7250	-52.20	13.22	-38.98	-13.00	-25.98	peak			

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

File :AC771S(CH9400) Data :#3 Date: 2013/2/25 Time: 下午 07:49:30



Site: : RF Conducted
Limit: FCC Part 24 conducted(9k-26.5G)
EUT: Wireless Mobile HotSpot
M/N: AirCard 771S
Mode: WCDMA Band II
Note: CH 9400

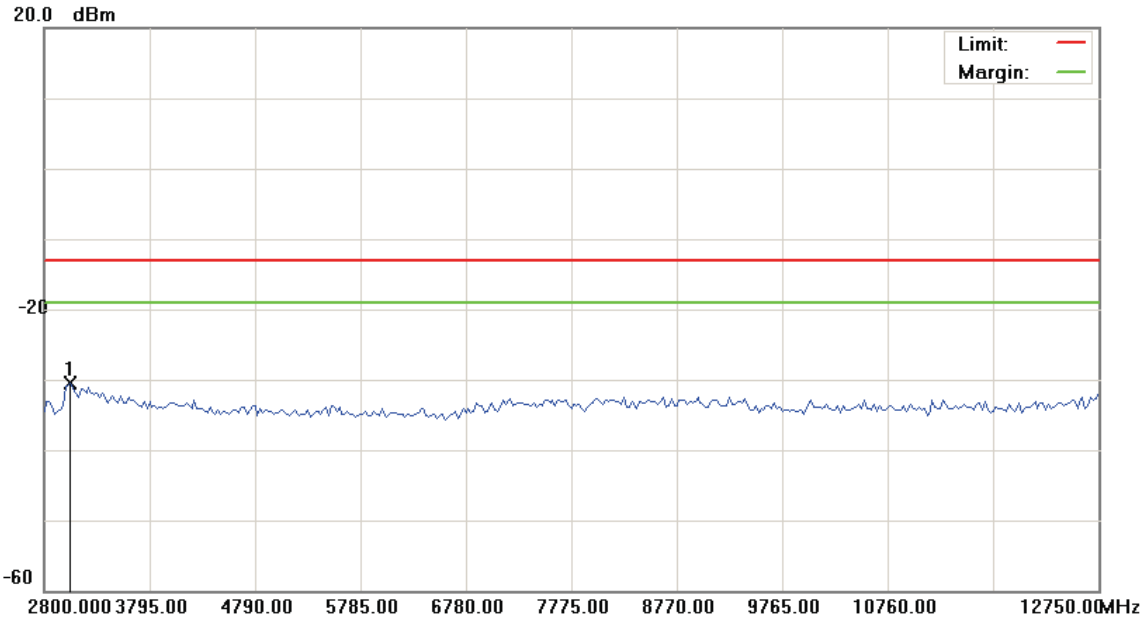
Polarization: *Conducted po*
Power: AC 120V/60Hz
Distance:

Temperature: 23 ℃
Humidity: 55.2 %
RBW: 1000 KHz VBW: 1000 KHz

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	Detector	cm	degree	Comment
1	*	1882.000	11.52	4.83	16.35	-13.00	29.35	peak			Tx
2		1959.400	-49.37	4.73	-44.64	-13.00	-31.64	peak			

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

File :AC771S(CH9400) Data :#4 Date: 2013/2/25 Time: 下午 08:25:07



Site: : RF Conducted
Limit: FCC Part 24 conducted(9k-26.5G)
EUT: Wireless Mobile HotSpot
M/N: AirCard 771S
Mode: WCDMA Band II
Note: CH 9400

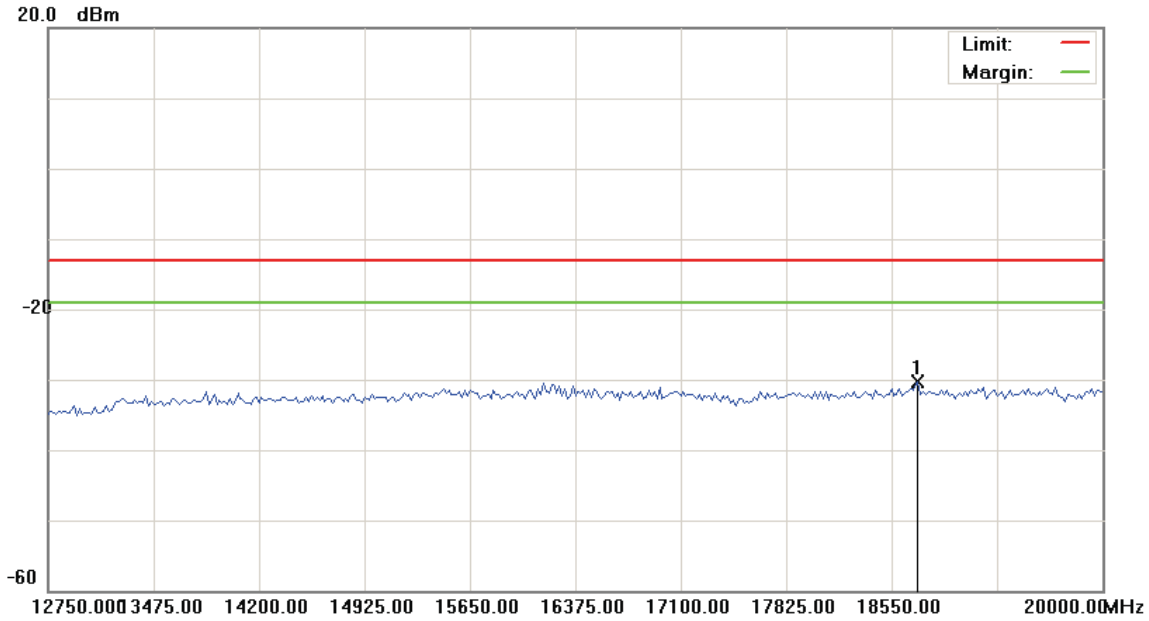
Polarization: *Conducted po*
Power: AC 120V/60Hz
Distance:

Temperature: 23 ℃
Humidity: 55.2 %
RBW: 1000 KHz VBW: 1000 KHz

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	Detector	cm	degree	Comment
1	*	3048.750	-35.97	5.47	-30.50	-13.00	-17.50	peak			

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

File :AC771S(CH9400) Data :#5 Date: 2013/2/25 Time: 下午 08:25:27



Site: : RF Conducted
Limit: FCC Part 24 conducted(9k-26.5G)
EUT: Wireless Mobile HotSpot
M/N: AirCard 771S
Mode: WCDMA Band II
Note: CH 9400

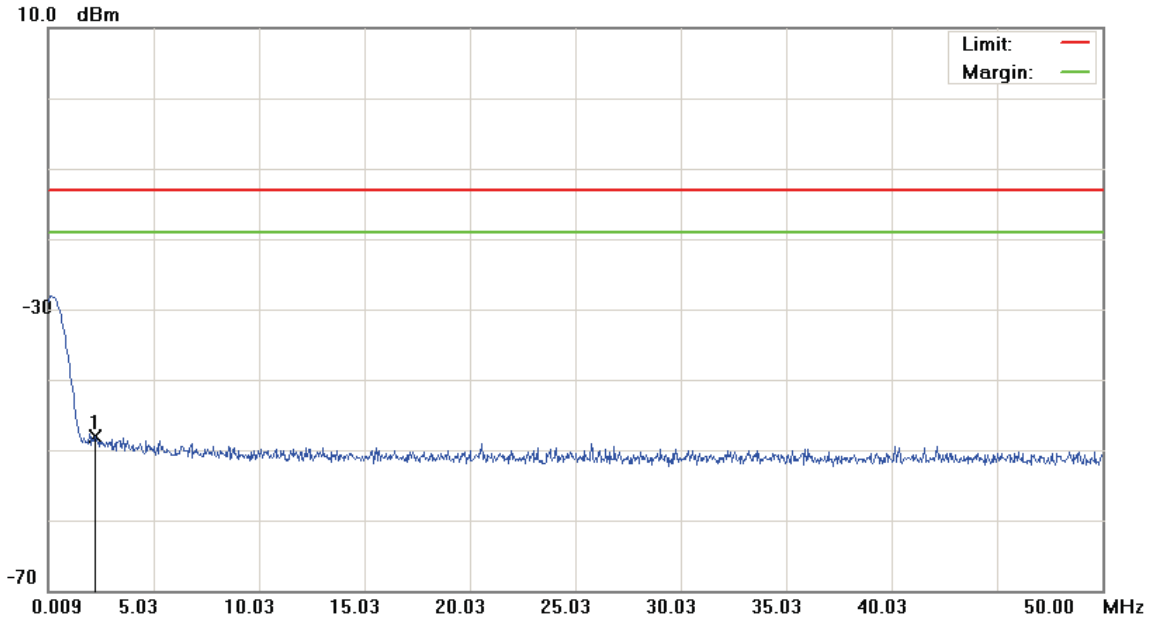
Polarization: *Conducted po*
Power: AC 120V/60Hz
Distance:

Temperature: 23 ℃
Humidity: 55.2 %
RBW: 1000 KHz VBW: 1000 KHz

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	Detector	cm	degree	Comment
1	*	18731.250	-37.47	7.08	-30.39	-13.00	-17.39	peak			

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

File :AC771S(CH9538) Data :#1 Date: 2013/2/25 Time: 下午 07:46:32



Site: : RF Conducted
Limit: FCC Part 24 conducted(9k-26.5G)
EUT: Wireless Mobile HotSpot
M/N: AirCard 771S
Mode: WCDMA Band II
Note: CH 9538

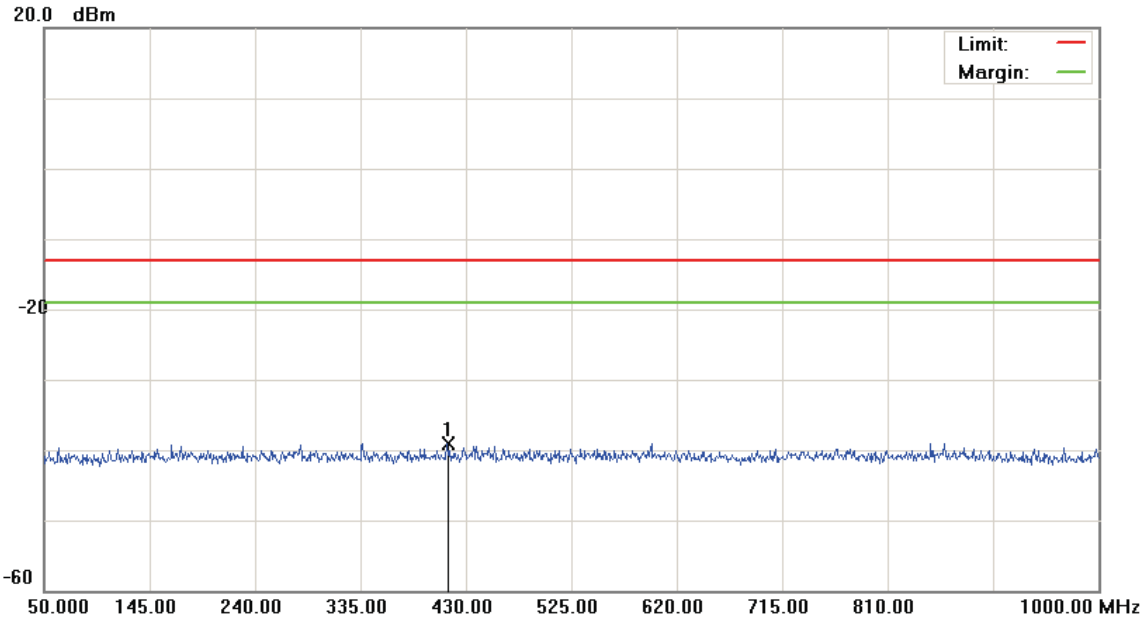
Polarization: *Conducted po*
Power: AC 120V/60Hz
Distance:

Temperature: 23 ℃
Humidity: 55.2 %
RBW: 1000 KHz VBW: 1000 KHz

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	Detector	cm	degree	Comment
1	*	2.2585	-61.15	13.07	-48.08	-13.00	-35.08	peak			

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

File :AC771S(CH9538) Data :#2 Date: 2013/2/25 Time: 下午 07:46:56



Site: : RF Conducted
Limit: FCC Part 24 conducted(9k-26.5G)
EUT: Wireless Mobile HotSpot
M/N: AirCard 771S
Mode: WCDMA Band II
Note: CH 9538

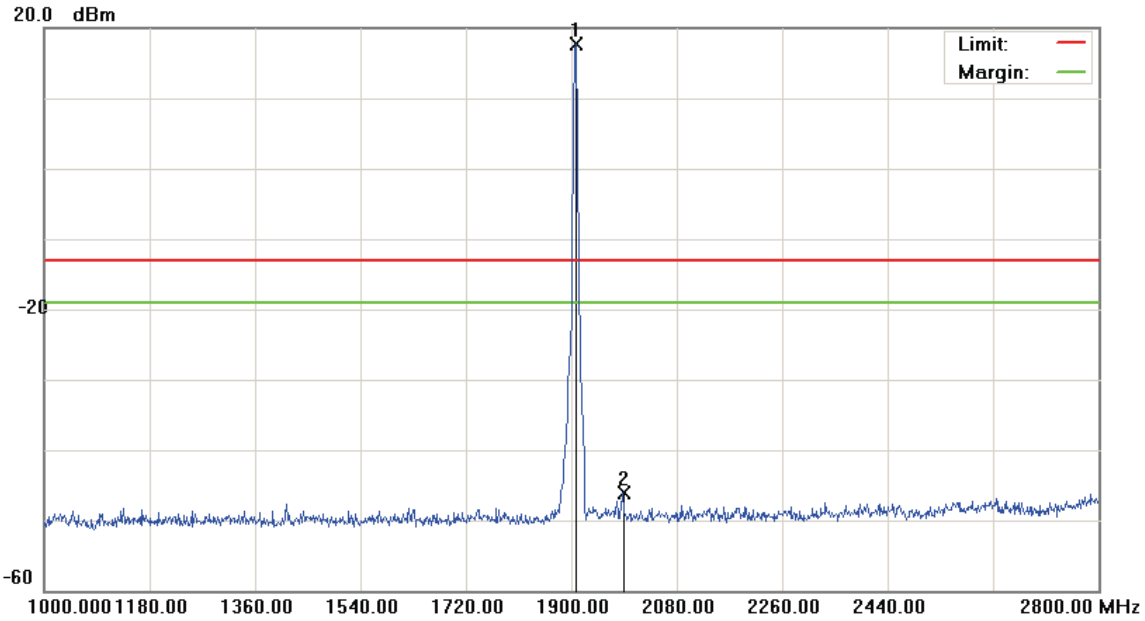
Polarization: *Conducted po*
Power: AC 120V/60Hz
Distance:

Temperature: 23 ℃
Humidity: 55.2 %
RBW: 1000 KHz VBW: 1000 KHz

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	Detector	cm	degree	Comment
1	*	413.3750	-52.34	13.23	-39.11	-13.00	-26.11	peak			

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

File :AC771S(CH9538) Data :#3 Date: 2013/2/25 Time: 下午 07:50:31



Site: : RF Conducted
Limit: FCC Part 24 conducted(9k-26.5G)
EUT: Wireless Mobile HotSpot
M/N: AirCard 771S
Mode: WCDMA Band II
Note: CH 9538

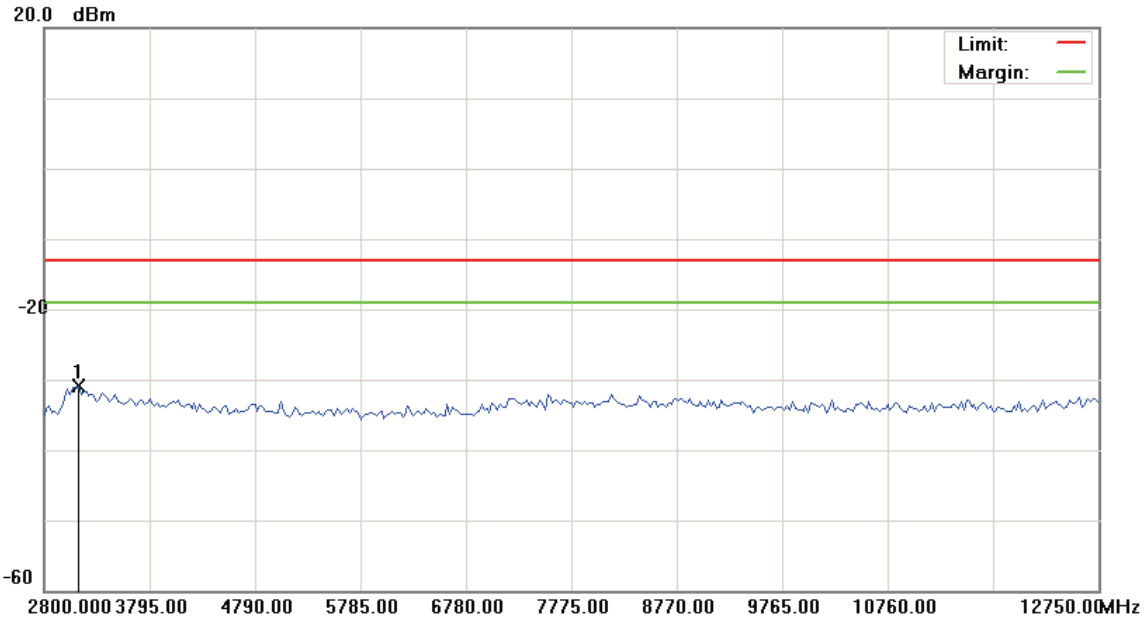
Polarization: *Conducted po*
Power: AC 120V/60Hz
Distance:

Temperature: 23 ℃
Humidity: 55.2 %
RBW: 1000 KHz VBW: 1000 KHz

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	Detector	cm	degree	Comment
1	*	1909.000	11.83	5.80	17.63	-13.00	30.63	peak			Tx
2		1989.100	-50.74	4.64	-46.10	-13.00	-33.10	peak			

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

File :AC771S(CH9538) Data :#4 Date: 2013/2/25 Time: 下午 08:25:59



Site: : RF Conducted
Limit: FCC Part 24 conducted(9k-26.5G)
EUT: Wireless Mobile HotSpot
M/N: AirCard 771S
Mode: WCDMA Band II
Note: CH 9538

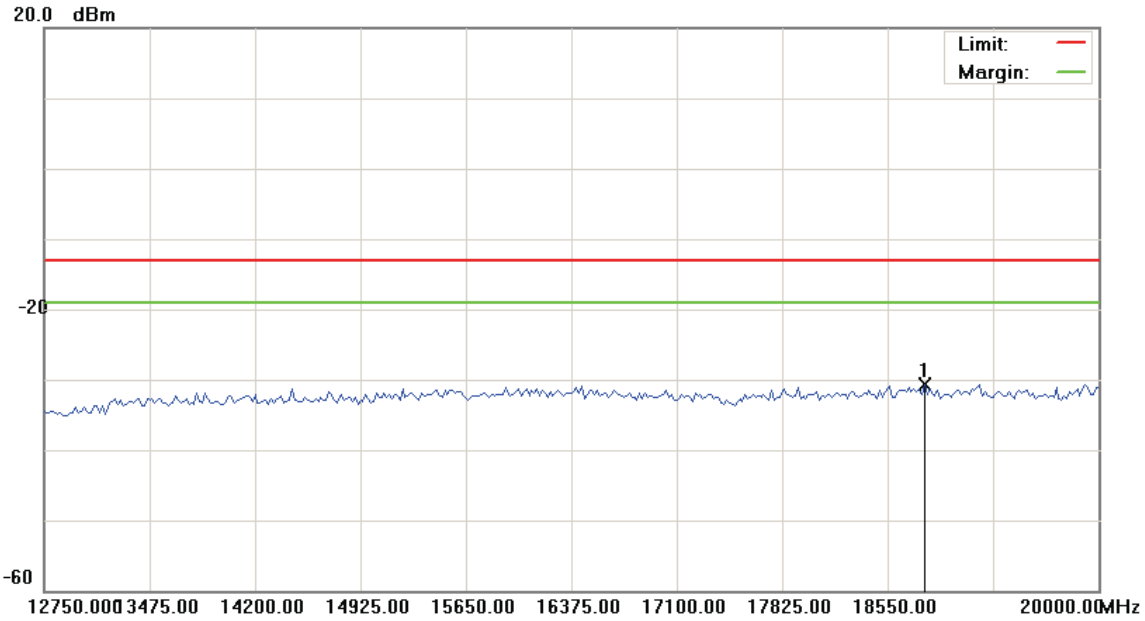
Polarization: *Conducted po*
Power: AC 120V/60Hz
Distance:

Temperature: 23 ℃
Humidity: 55.2 %
RBW: 1000 KHz VBW: 1000 KHz

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	Detector	cm	degree	Comment
1	*	3123.375	-36.18	5.30	-30.88	-13.00	-17.88	peak			

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

File :AC771S(CH9538) Data :#5 Date: 2013/2/25 Time: 下午 08:26:18



Site: : RF Conducted
Limit: FCC Part 24 conducted(9k-26.5G)
EUT: Wireless Mobile HotSpot
M/N: AirCard 771S
Mode: WCDMA Band II
Note: CH 9538

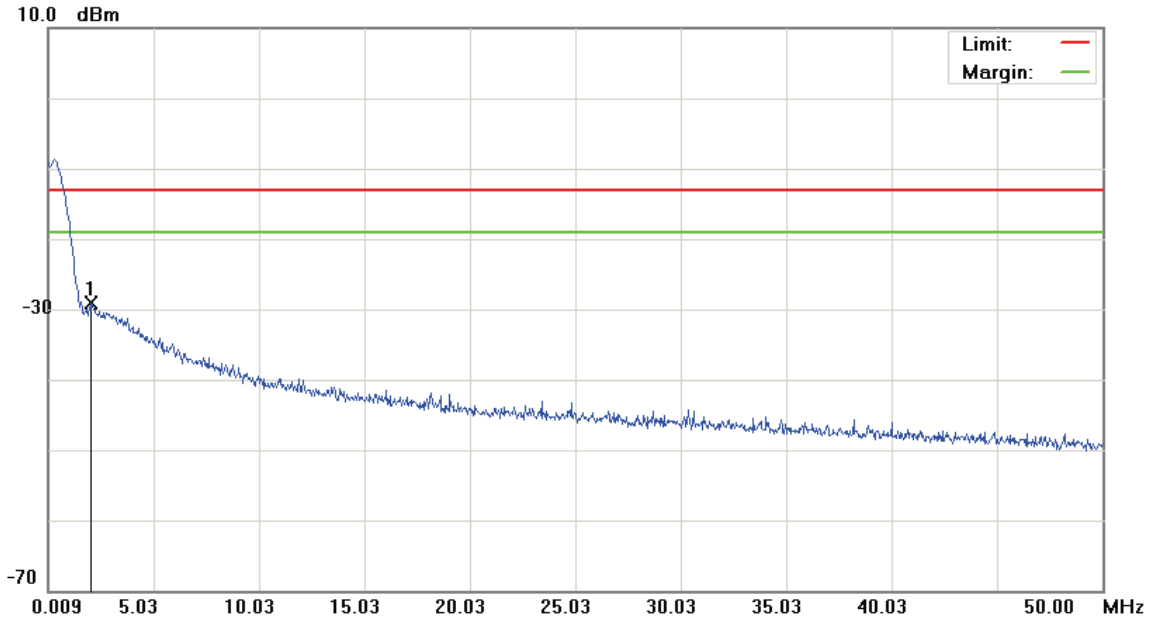
Polarization: *Conducted po*
Power: AC 120V/60Hz
Distance:

Temperature: 23 ℃
Humidity: 55.2 %
RBW: 1000 KHz VBW: 1000 KHz

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	Detector	cm	degree	Comment
1	*	18803.750	-37.74	7.10	-30.64	-13.00	-17.64	peak			

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

File :AC771S(CH4132) Data :#1 Date: 2013/2/25 Time: 下午 07:52:22



Site: : RF Conducted
Limit: FCC Part 22 conducted(9k-12.75G)
EUT: Wireless Mobile HotSpot
M/N: AirCard 771S
Mode: WCDMA Band V
Note: CH 4132

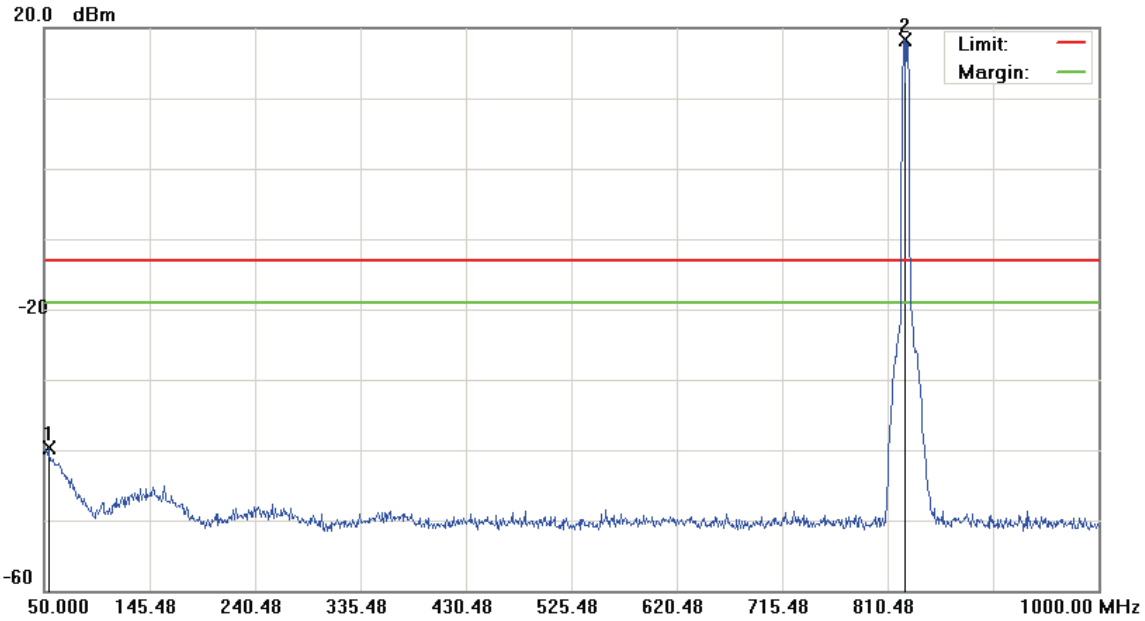
Polarization: *Conducted po*
Power: AC 120V/60Hz
Distance:

Temperature: 23 ℃
Humidity: 55.2 %
RBW: 1000 KHz VBW: 1000 KHz

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	Detector	cm	degree	Comment
1	*	2.0586	-60.63	31.45	-29.18	-13.00	-16.18	peak			

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

File :AC771S(CH4132) Data :#2 Date: 2013/2/25 Time: 下午 07:52:46



Site: : RF Conducted
Limit: FCC Part 22 conducted(9k-12.75G)
EUT: Wireless Mobile HotSpot
M/N: AirCard 771S
Mode: WCDMA Band V
Note: CH 4132

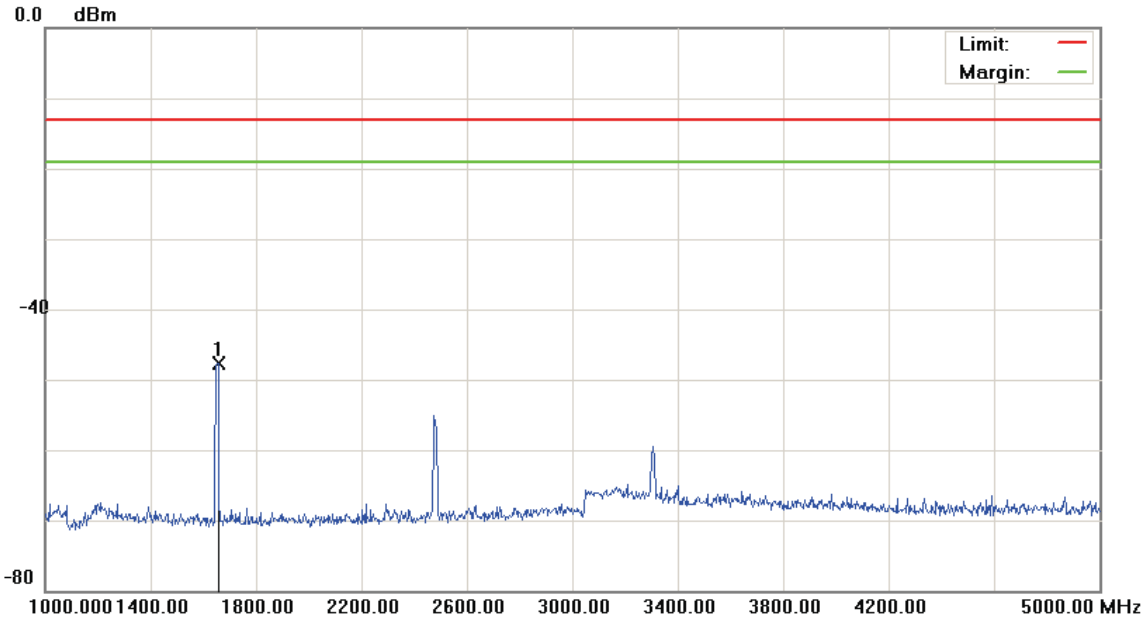
Polarization: *Conducted po*
Power: AC 120V/60Hz
Distance:

Temperature: 23 ℃
Humidity: 55.2 %
RBW: 1000 KHz VBW: 1000 KHz

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	Detector	cm	degree	Comment
1		53.8000	-53.75	14.02	-39.73	-13.00	-26.73	peak			
2	*	824.7250	14.48	3.84	18.32	-13.00	31.32	peak			Tx

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

File :AC771S(CH4132) Data :#3 Date: 2013/2/25 Time: 下午 08:02:14



Site: : RF Conducted
Limit: FCC Part 22 conducted(9k-12.75G)
EUT: Wireless Mobile HotSpot
M/N: AirCard 771S
Mode: WCDMA Band V
Note: CH 4132

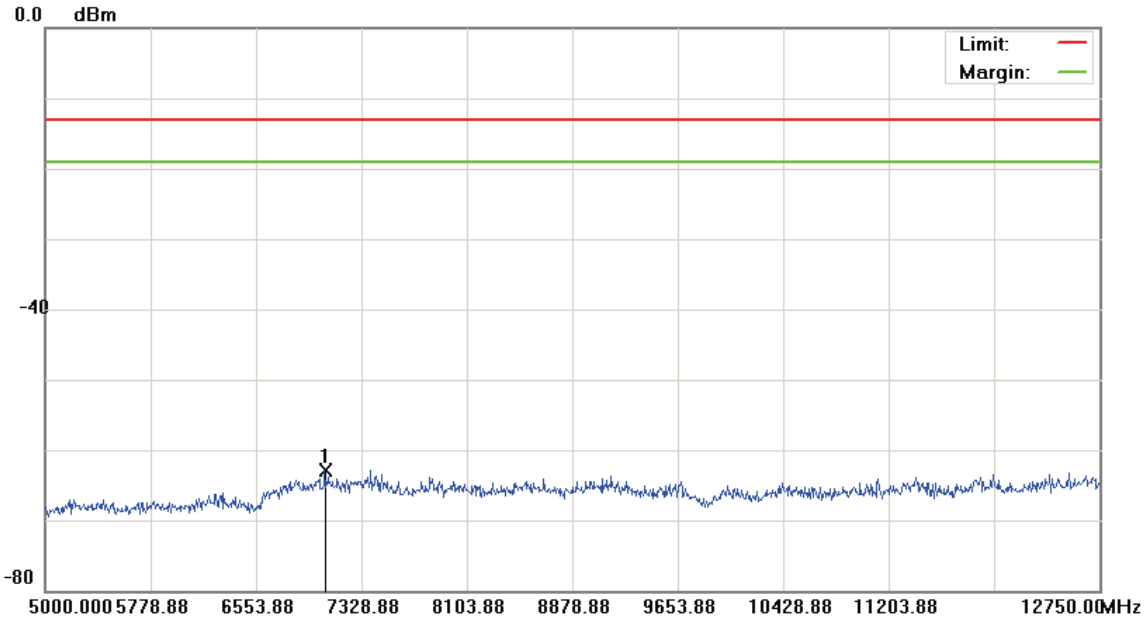
Polarization: *Conducted po*
Power: AC 120V/60Hz
Distance:

Temperature: 23 ℃
Humidity: 55.2 %
RBW: 1000 KHz VBW: 1000 KHz

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	Detector	cm	degree	Comment
1	*	1654.000	-52.14	4.45	-47.69	-13.00	-34.69	peak			

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

File :AC771S(CH4132) Data :#4 Date: 2013/2/25 Time: 下午 08:02:37



Site: : RF Conducted
Limit: FCC Part 22 conducted(9k-12.75G)
EUT: Wireless Mobile HotSpot
M/N: AirCard 771S
Mode: WCDMA Band V
Note: CH 4132

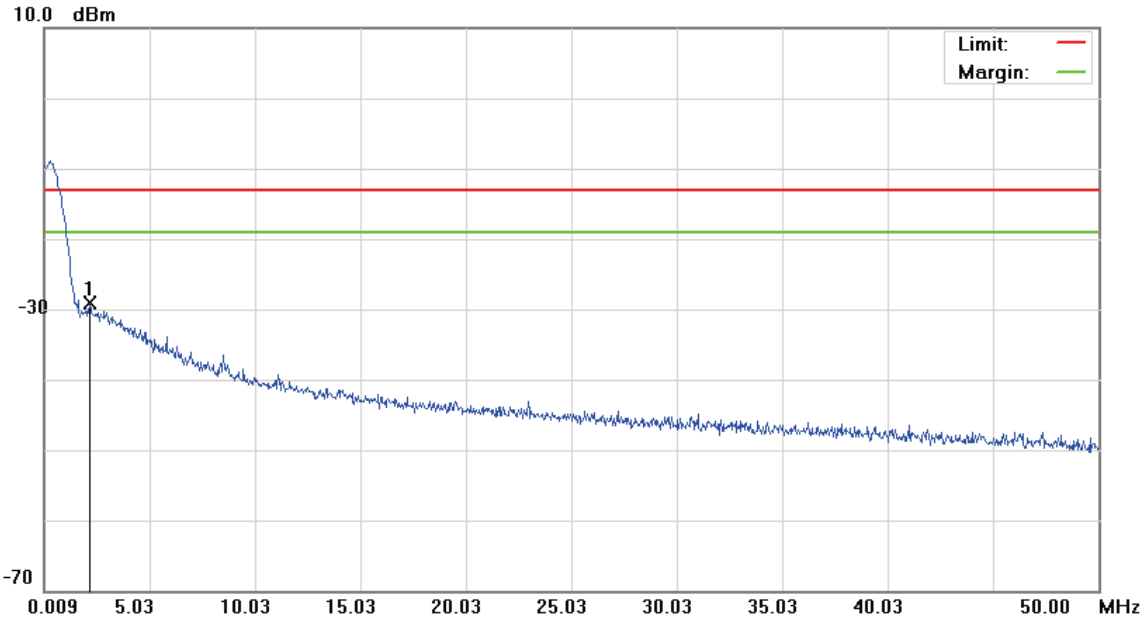
Polarization: *Conducted po*
Power: AC 120V/60Hz
Distance:

Temperature: 23 ℃
Humidity: 55.2 %
RBW: 1000 KHz VBW: 1000 KHz

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	Detector	cm	degree	Comment
1	*	7057.625	-67.66	4.85	-62.81	-13.00	-49.81	peak			

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

File :AC771S(CH4183) Data :#1 Date: 2013/2/25 Time: 下午 07:55:09



Site: : RF Conducted
Limit: FCC Part 22 conducted(9k-12.75G)
EUT: Wireless Mobile HotSpot
M/N: AirCard 771S
Mode: WCDMA Band V
Note: CH 4183

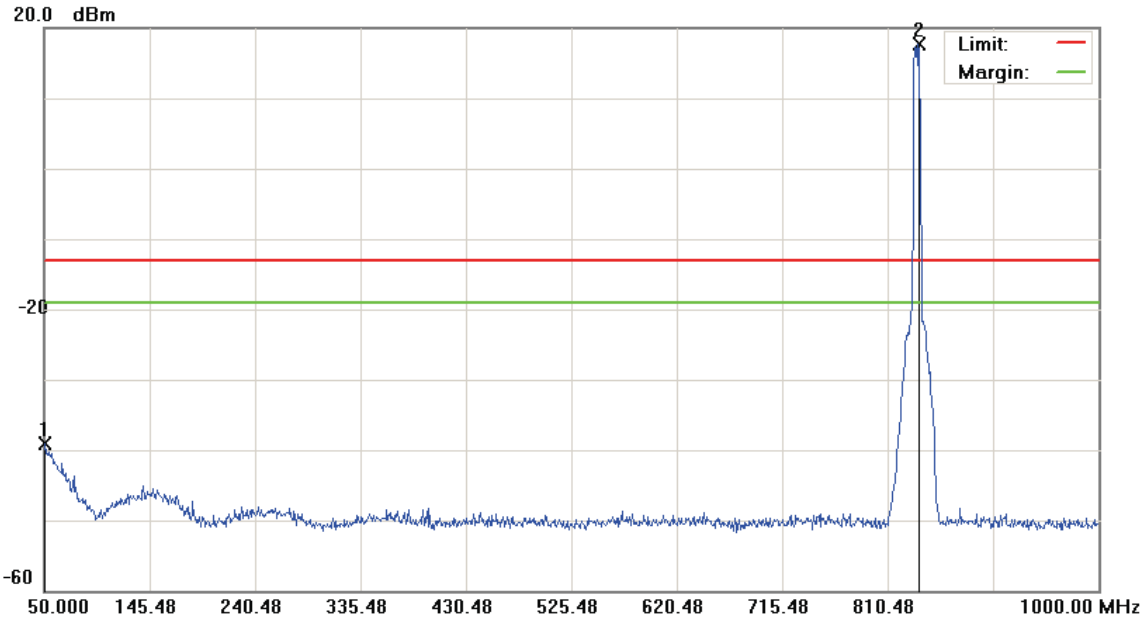
Polarization: *Conducted po*
Power: AC 120V/60Hz
Distance:

Temperature: 23 ℃
Humidity: 55.2 %
RBW: 1000 KHz VBW: 1000 KHz

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	Detector	cm	degree	Comment
1	*	2.1585	-60.51	31.41	-29.10	-13.00	-16.10	peak			

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

File :AC771S(CH4183) Data :#2 Date: 2013/2/25 Time: 下午 07:55:33



Site: : RF Conducted
Limit: FCC Part 22 conducted(9k-12.75G)
EUT: Wireless Mobile HotSpot
M/N: AirCard 771S
Mode: WCDMA Band V
Note: CH 4183

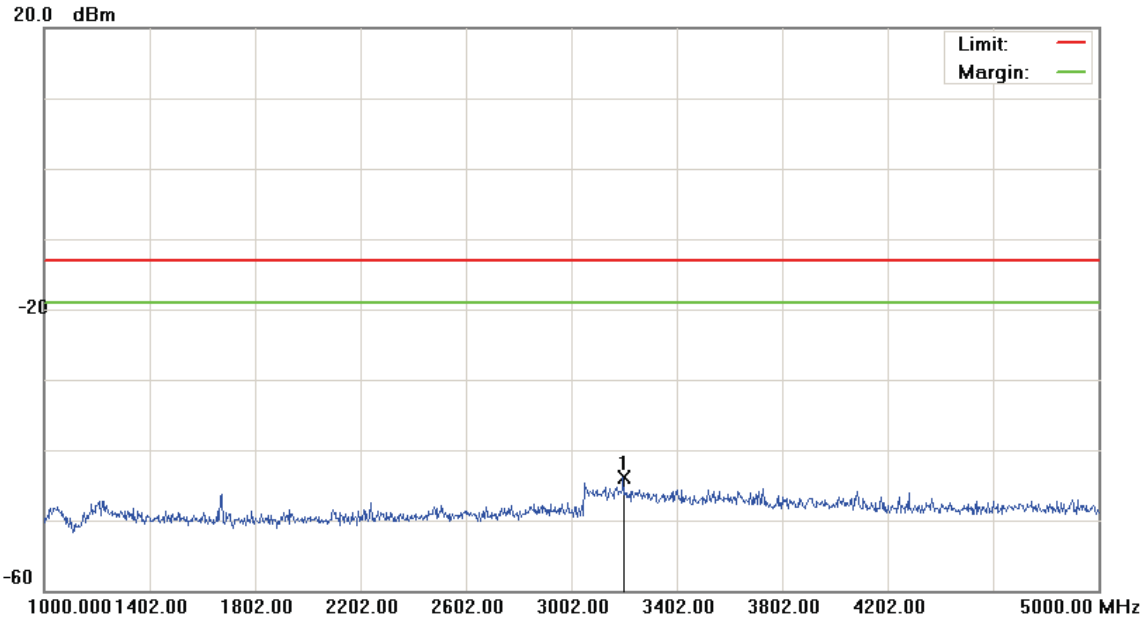
Polarization: *Conducted po*
Power: AC 120V/60Hz
Distance:

Temperature: 23 ℃
Humidity: 55.2 %
RBW: 1000 KHz VBW: 1000 KHz

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	Detector	cm	degree	Comment
1		50.9500	-53.67	14.52	-39.15	-13.00	-26.15	peak			
2	*	838.0250	13.81	3.97	17.78	-13.00	30.78	peak			Tx

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

File :AC771S(CH4183) Data :#3 Date: 2013/2/25 Time: 下午 08:19:03



Site: : RF Conducted
Limit: FCC Part 22 conducted(9k-12.75G)
EUT: Wireless Mobile HotSpot
M/N: AirCard 771S
Mode: WCDMA Band V
Note: CH 4183

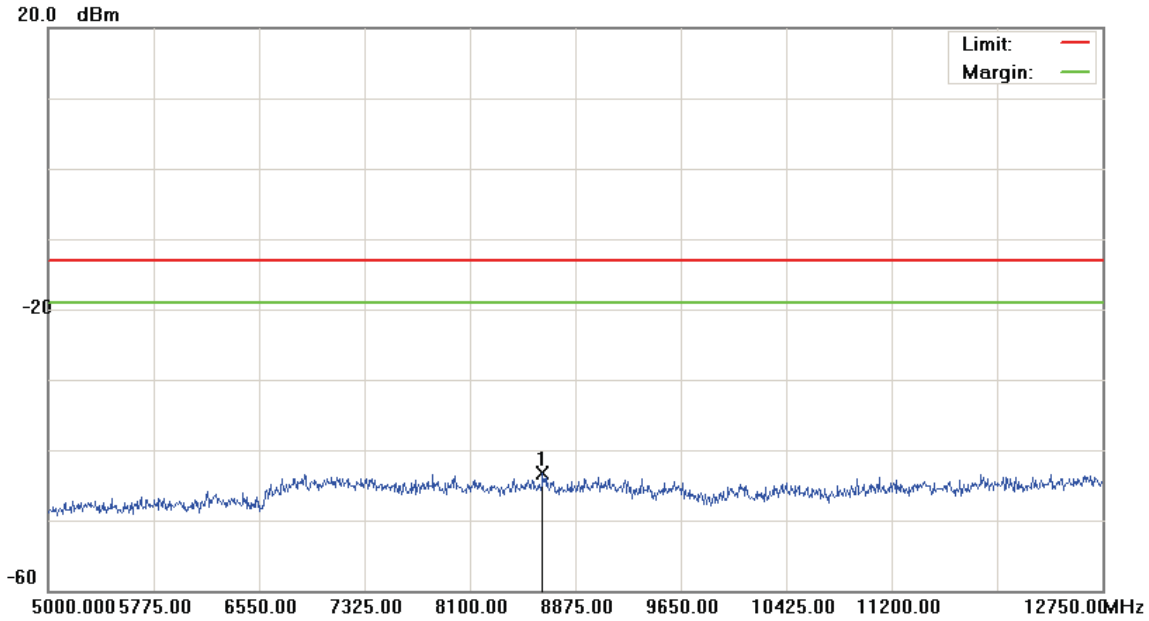
Polarization: *Conducted po*
Power: AC 120V/60Hz
Distance:

Temperature: 23 ℃
Humidity: 55.2 %
RBW: 1000 KHz VBW: 1000 KHz
KH KH

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	Detector	cm	degree	Comment
1	*	3198.000	-48.56	4.66	-43.90	-13.00	-30.90	peak			

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

File :AC771S(CH4183) Data :#4 Date: 2013/2/25 Time: 下午 08:19:26



Site: : RF Conducted
Limit: FCC Part 22 conducted(9k-12.75G)
EUT: Wireless Mobile HotSpot
M/N: AirCard 771S
Mode: WCDMA Band V
Note: CH 4183

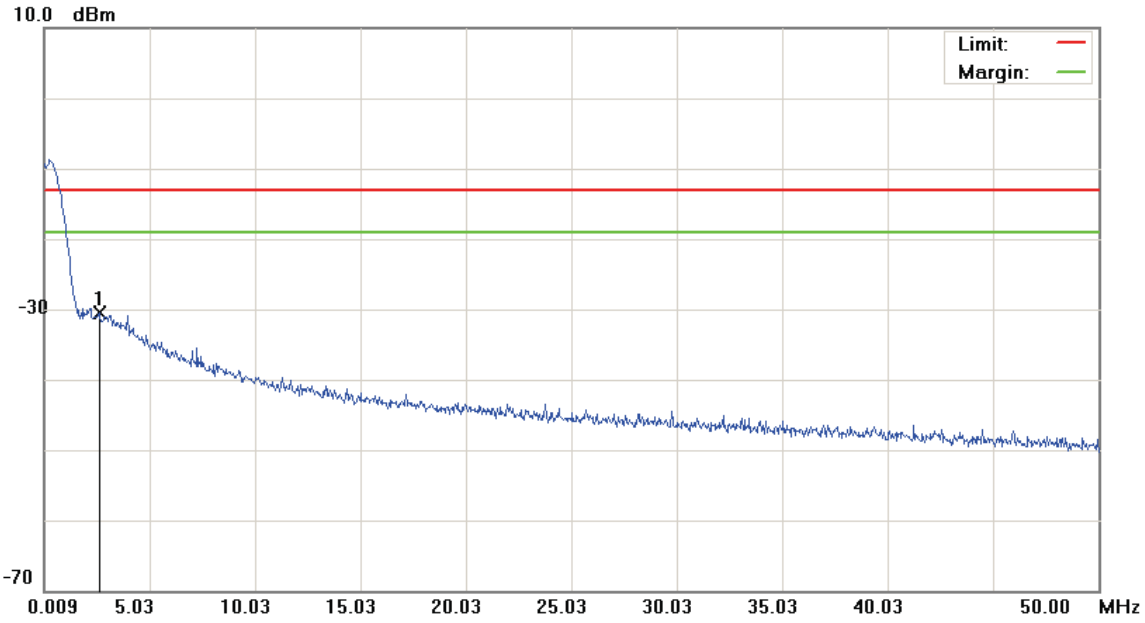
Polarization: *Conducted po*
Power: AC 120V/60Hz
Distance:

Temperature: 23 ℃
Humidity: 55.2 %
RBW: 1000 KHz VBW: 1000 KHz

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	Detector	cm	degree	Comment
1	*	8634.750	-49.21	5.90	-43.31	-13.00	-30.31	peak			

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

File :AC771S(CH4233) Data :#1 Date: 2013/2/25 Time: 下午 07:57:13



Site: : RF Conducted
Limit: FCC Part 22 conducted(9k-12.75G)
EUT: Wireless Mobile HotSpot
M/N: AirCard 771S
Mode: WCDMA Band V
Note: CH 4233

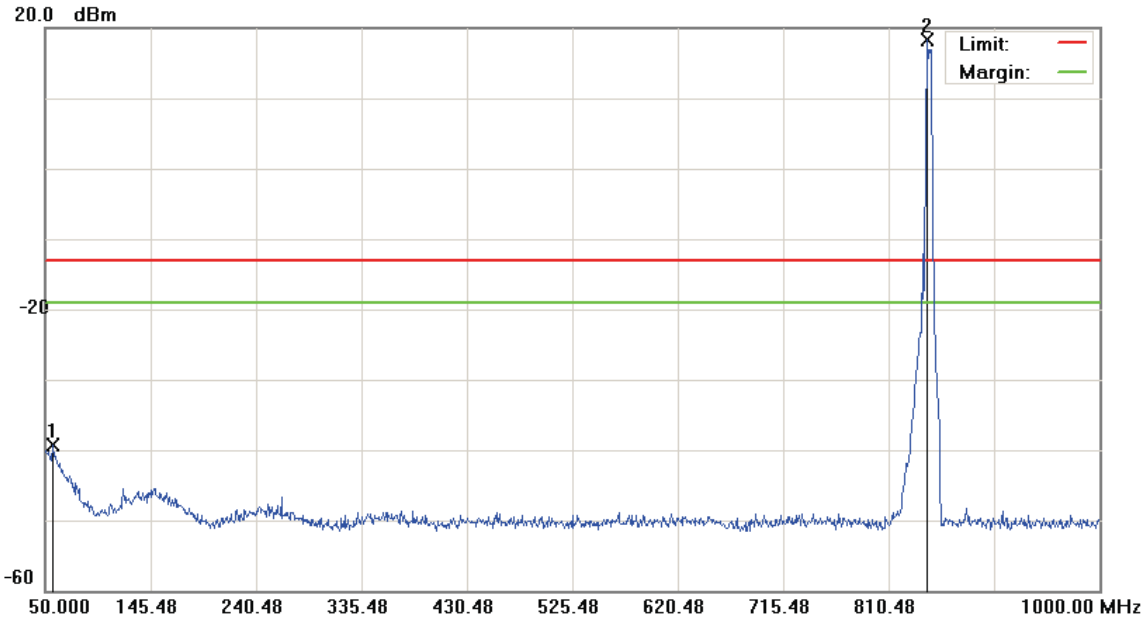
Polarization: *Conducted po*
Power: AC 120V/60Hz
Distance:

Temperature: 23 ℃
Humidity: 55.2 %
RBW: 1000 KHz VBW: 1000 KHz

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	Detector	cm	degree	Comment
1	*	2.6335	-60.99	30.54	-30.45	-13.00	-17.45	peak			

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

File :AC771S(CH4233) Data :#2 Date: 2013/2/25 Time: 下午 07:57:37



Site: : RF Conducted
Limit: FCC Part 22 conducted(9k-12.75G)
EUT: Wireless Mobile HotSpot
M/N: AirCard 771S
Mode: WCDMA Band V
Note: CH 4233

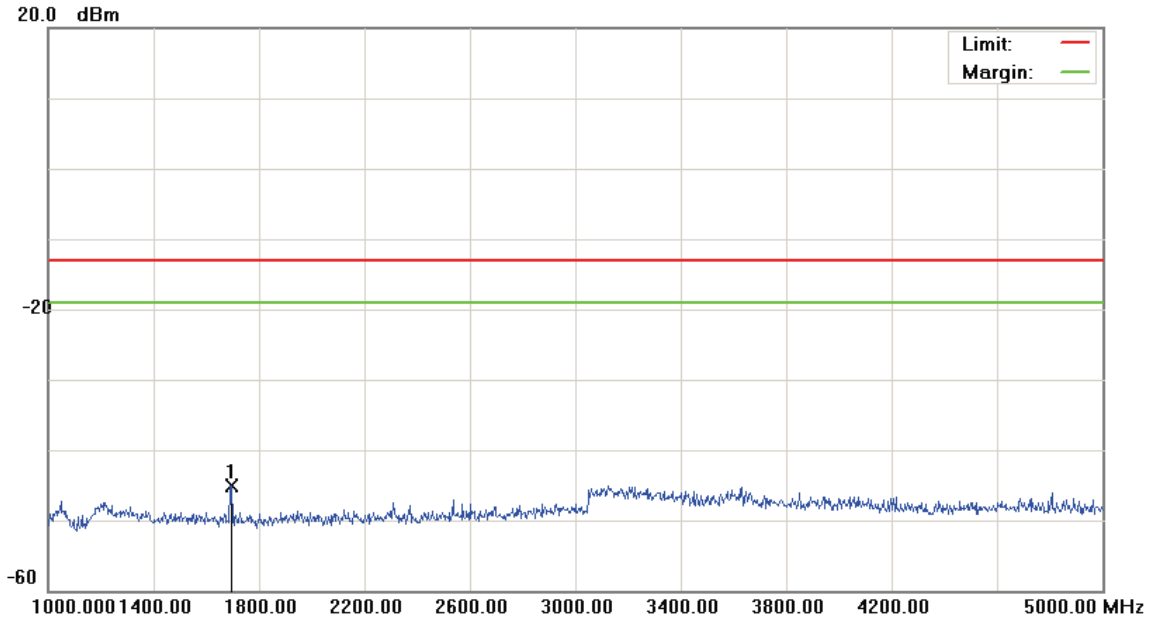
Polarization: *Conducted po*
Power: AC 120V/60Hz
Distance:

Temperature: 23 ℃
Humidity: 55.2 %
RBW: 1000 KHz VBW: 1000 KHz

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	Detector	cm	degree	Comment
1		56.6500	-52.86	13.50	-39.36	-13.00	-26.36	peak			
2	*	845.1500	14.26	3.99	18.25	-13.00	31.25	peak			Tx

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

File :AC771S(CH4233) Data :#3 Date: 2013/2/25 Time: 下午 08:20:05



Site: : RF Conducted
Limit: FCC Part 22 conducted(9k-12.75G)
EUT: Wireless Mobile HotSpot
M/N: AirCard 771S
Mode: WCDMA Band V
Note: CH 4233

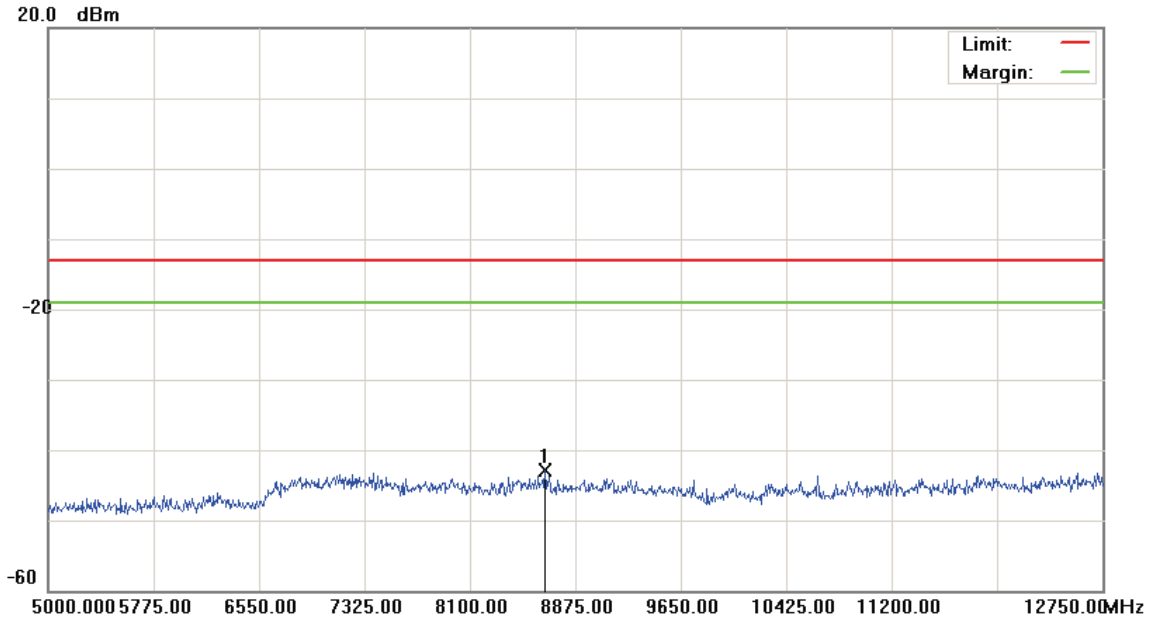
Polarization: *Conducted po*
Power: AC 120V/60Hz
Distance:

Temperature: 23 ℃
Humidity: 55.2 %
RBW: 1000 KHz VBW: 1000 KHz

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	Detector	cm	degree	Comment
1	*	1696.000	-49.48	4.48	-45.00	-13.00	-32.00	peak			

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

File :AC771S(CH4233) Data :#4 Date: 2013/2/25 Time: 下午 08:20:28



Site: : RF Conducted
Limit: FCC Part 22 conducted(9k-12.75G)
EUT: Wireless Mobile HotSpot
M/N: AirCard 771S
Mode: WCDMA Band V
Note: CH 4233

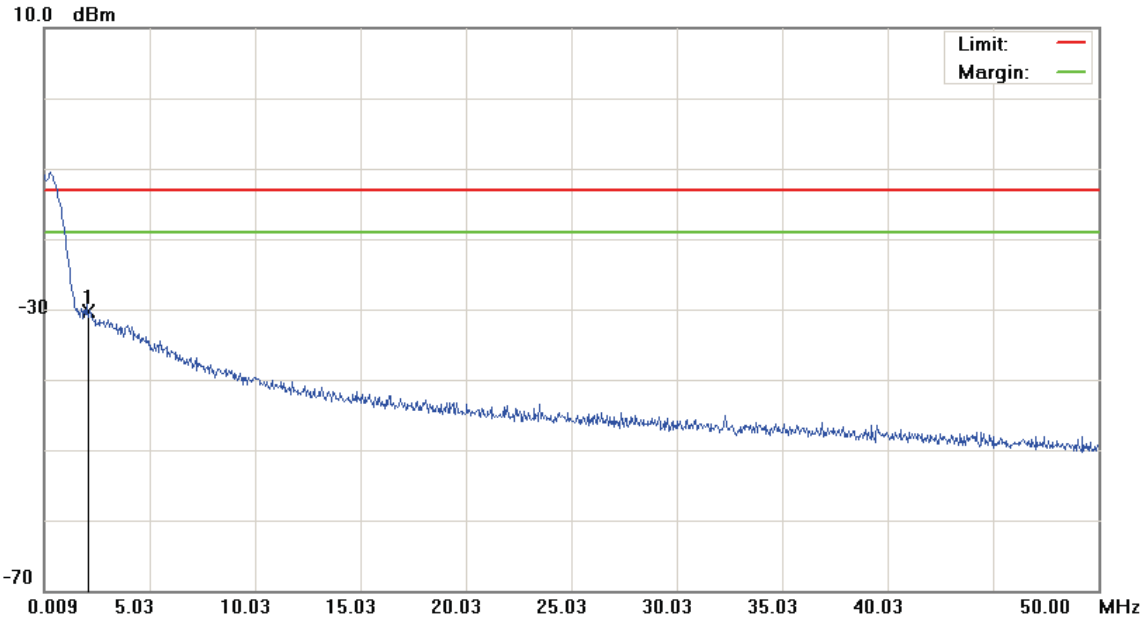
Polarization: *Conducted po*
Power: AC 120V/60Hz
Distance:

Temperature: 23 ℃
Humidity: 55.2 %
RBW: 1000 KHz VBW: 1000 KHz

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	Detector	cm	degree	Comment
1	*	8650.250	-48.82	5.98	-42.84	-13.00	-29.84	peak			

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

File :AC771S(CH450) Data :#1 Date: 2013/2/26 Time: 下午 06:43:55



Site: : RF Conducted
Limit: FCC Part 22 conducted(9k-12.75G)
EUT: Wireless Mobile HotSpot
M/N: AirCard 771S
Mode: CDMA Sec 800
Note: CH 450

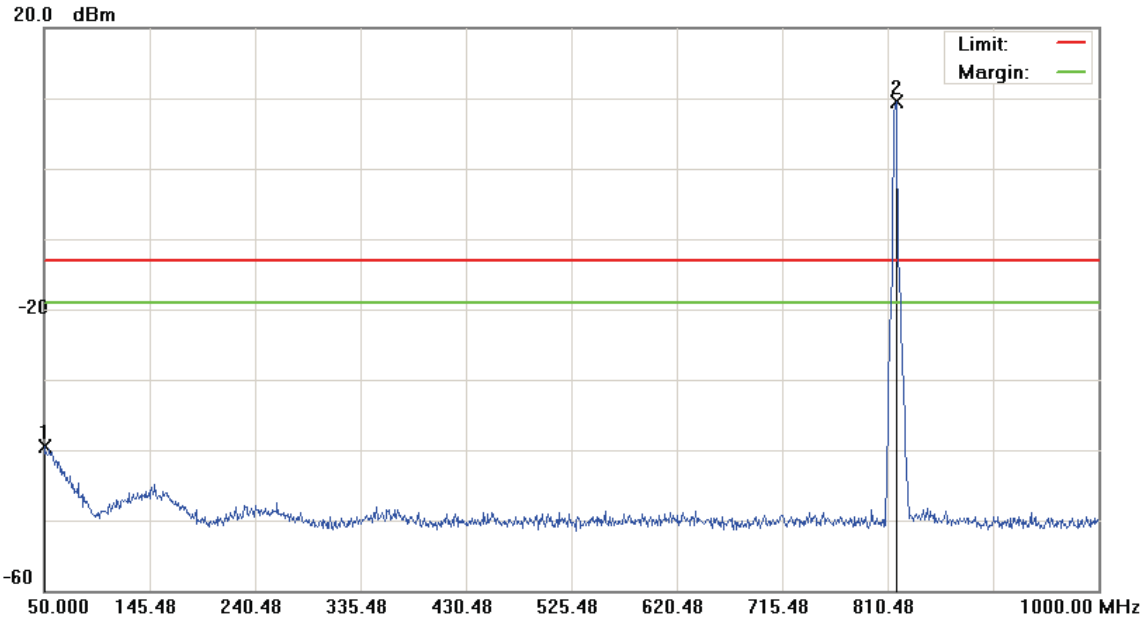
Polarization: *Conducted po*
Power: AC 120V/60Hz
Distance:

Temperature: 23 ℃
Humidity: 55.2 %
RBW: 1000 KHz VBW: 1000 KHz

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	Detector	cm	degree	Comment
1	*	2.0836	-61.78	31.50	-30.28	-13.00	-17.28	peak			

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

File :AC771S(CH450) Data :#2 Date: 2013/2/26 Time: 下午 06:44:19



Site: : RF Conducted
Limit: FCC Part 22 conducted(9k-12.75G)
EUT: Wireless Mobile HotSpot
M/N: AirCard 771S
Mode: CDMA Sec 800
Note: CH 450

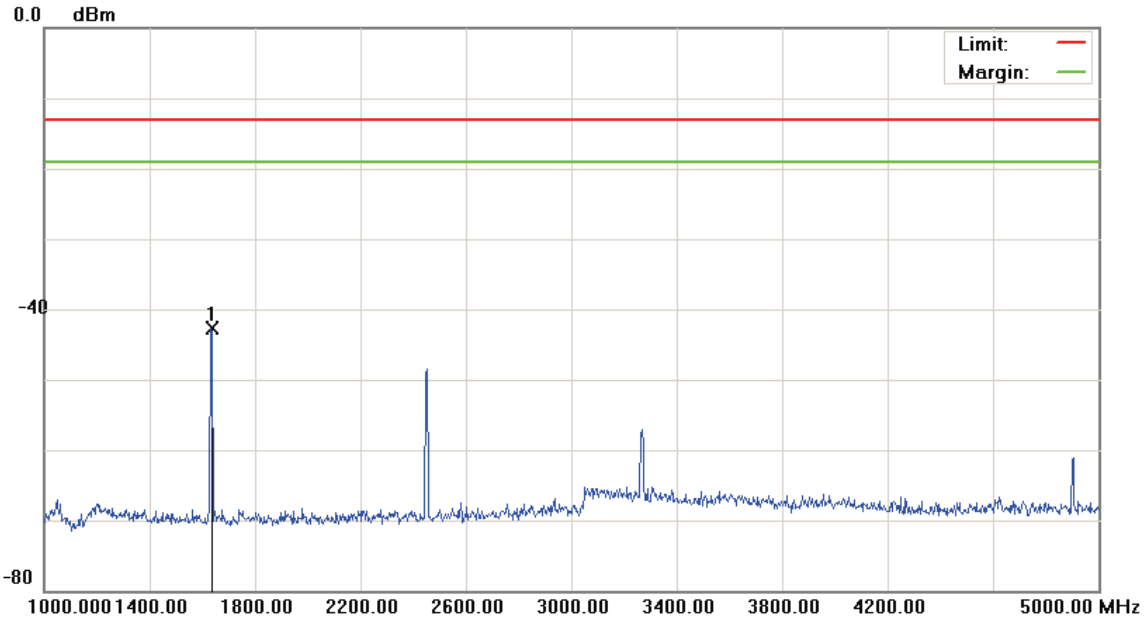
Polarization: *Conducted po*
Power: AC 120V/60Hz
Distance:

Temperature: 23 ℃
Humidity: 55.2 %
RBW: 1000 KHz VBW: 1000 KHz

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	Detector	cm	degree	Comment
1		50.4750	-54.20	14.61	-39.59	-13.00	-26.59	peak			
2	*	818.0750	5.70	3.78	9.48	-13.00	22.48	peak			Tx

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

File :AC771S(CH450) Data :#3 Date: 2013/2/26 Time: 下午 06:50:37



Site: : RF Conducted
Limit: FCC Part 22 conducted(9k-12.75G)
EUT: Wireless Mobile HotSpot
M/N: AirCard 771S
Mode: CDMA Sec 800
Note: CH 450

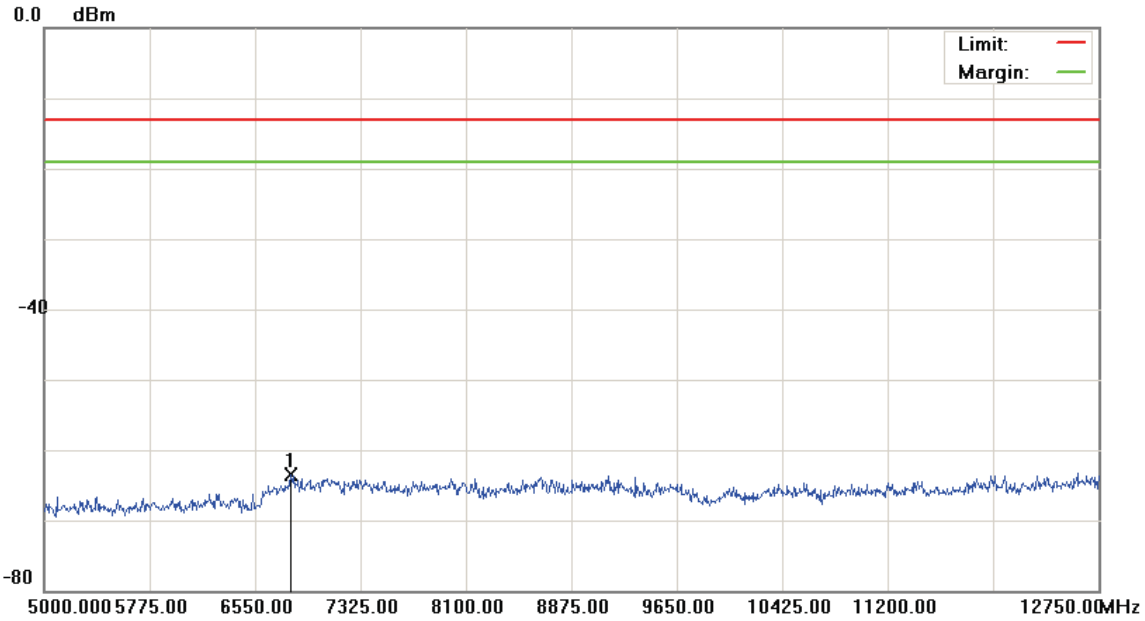
Polarization: *Conducted po*
Power: AC 120V/60Hz
Distance:

Temperature: 23 ℃
Humidity: 55.2 %
RBW: 1000 KHz VBW: 1000 KHz

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	Detector	cm	degree	Comment
1	*	1634.000	-47.20	4.44	-42.76	-13.00	-29.76	peak			

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

File :AC771S(CH450) Data :#4 Date: 2013/2/26 Time: 下午 06:51:00



Site: : RF Conducted
Limit: FCC Part 22 conducted(9k-12.75G)
EUT: Wireless Mobile HotSpot
M/N: AirCard 771S
Mode: CDMA Sec 800
Note: CH 450

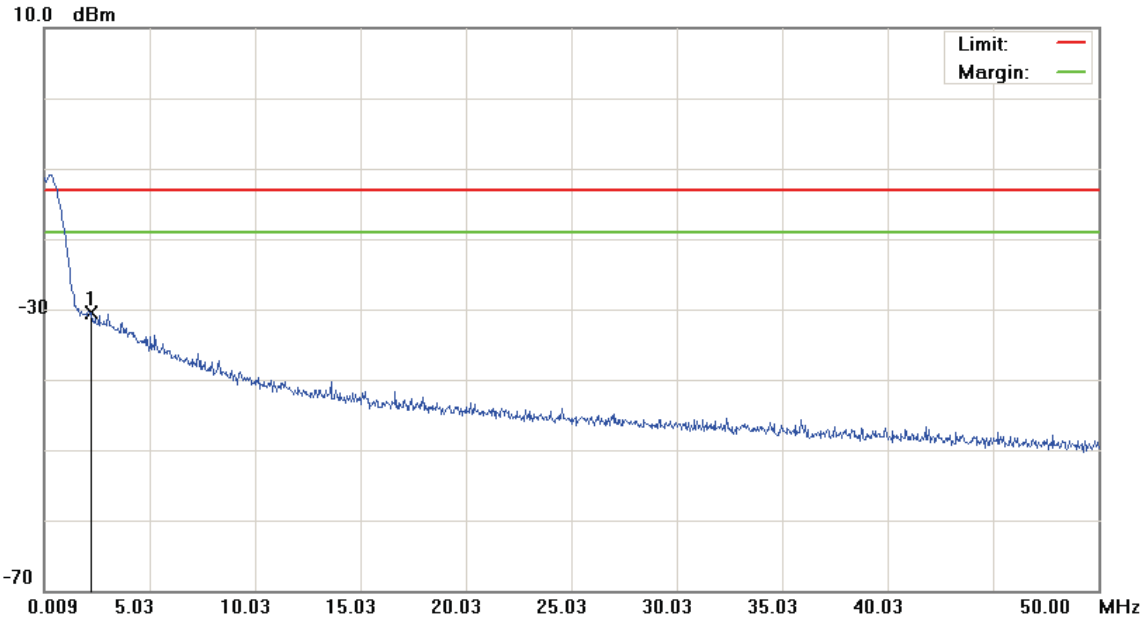
Polarization: *Conducted po*
Power: AC 120V/60Hz
Distance:

Temperature: 23 ℃
Humidity: 55.2 %
RBW: 1000 KHz VBW: 1000 KHz

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	Detector	cm	degree	Comment
1	*	6813.500	-68.60	5.14	-63.46	-13.00	-50.46	peak			

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

File :AC771S(CH560) Data :#1 Date: 2013/2/26 Time: 下午 06:45:41



Site: : RF Conducted
Limit: FCC Part 22 conducted(9k-12.75G)
EUT: Wireless Mobile HotSpot
M/N: AirCard 771S
Mode: CDMA Sec 800
Note: CH 560

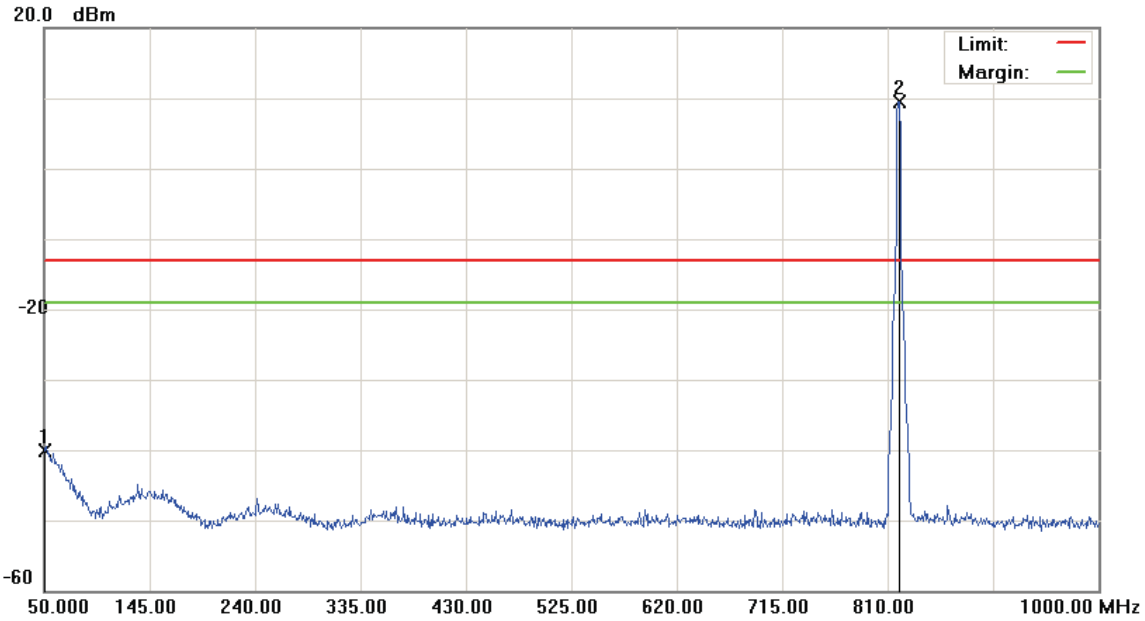
Polarization: *Conducted po*
Power: AC 120V/60Hz
Distance:

Temperature: 23 ℃
Humidity: 55.2 %
RBW: 1000 KHz VBW: 1000 KHz

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	Detector	cm	degree	Comment
1	*	2.1836	-61.86	31.34	-30.52	-13.00	-17.52	peak			

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

File :AC771S(CH560) Data :#2 Date: 2013/2/26 Time: 下午 06:46:05



Site: : RF Conducted
Limit: FCC Part 22 conducted(9k-12.75G)
EUT: Wireless Mobile HotSpot
M/N: AirCard 771S
Mode: CDMA Sec 800
Note: CH 560

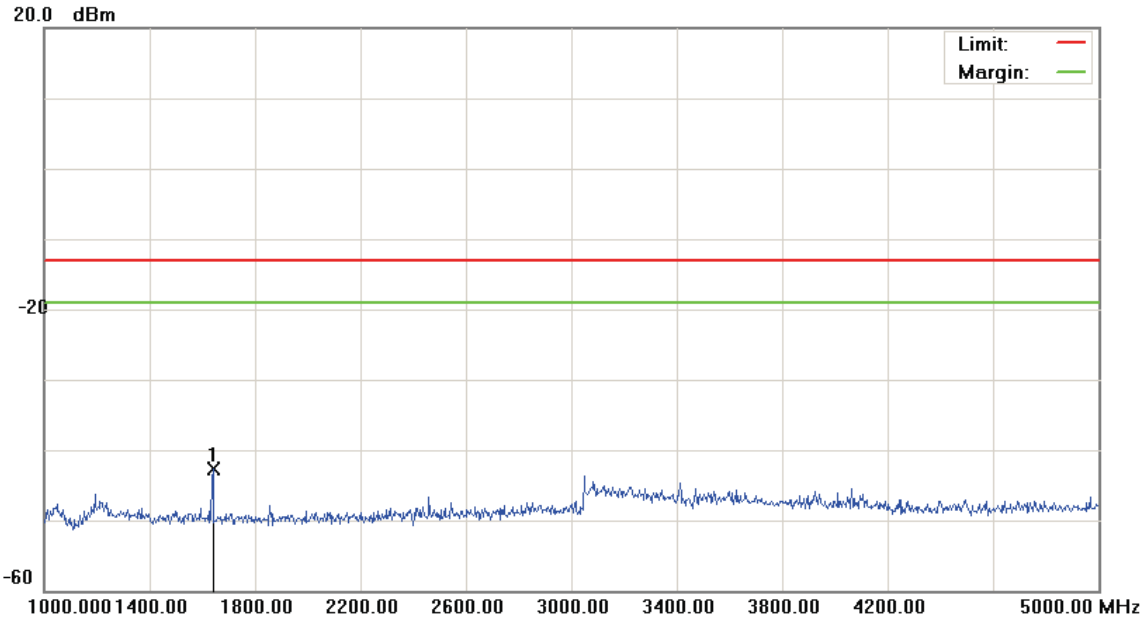
Polarization: *Conducted po*
Power: AC 120V/60Hz
Distance:

Temperature: 23 ℃
Humidity: 55.2 %
RBW: 1000 KHz VBW: 1000 KHz

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	Detector	cm	degree	Comment
1		50.0000	-54.85	14.69	-40.16	-13.00	-27.16	peak			
2	*	820.4500	5.62	3.81	9.43	-13.00	22.43	peak			Tx

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

File :AC771S(CH560) Data :#3 Date: 2013/2/26 Time: 下午 06:51:39



Site: : RF Conducted
Limit: FCC Part 22 conducted(9k-12.75G)
EUT: Wireless Mobile HotSpot
M/N: AirCard 771S
Mode: CDMA Sec 800
Note: CH 560

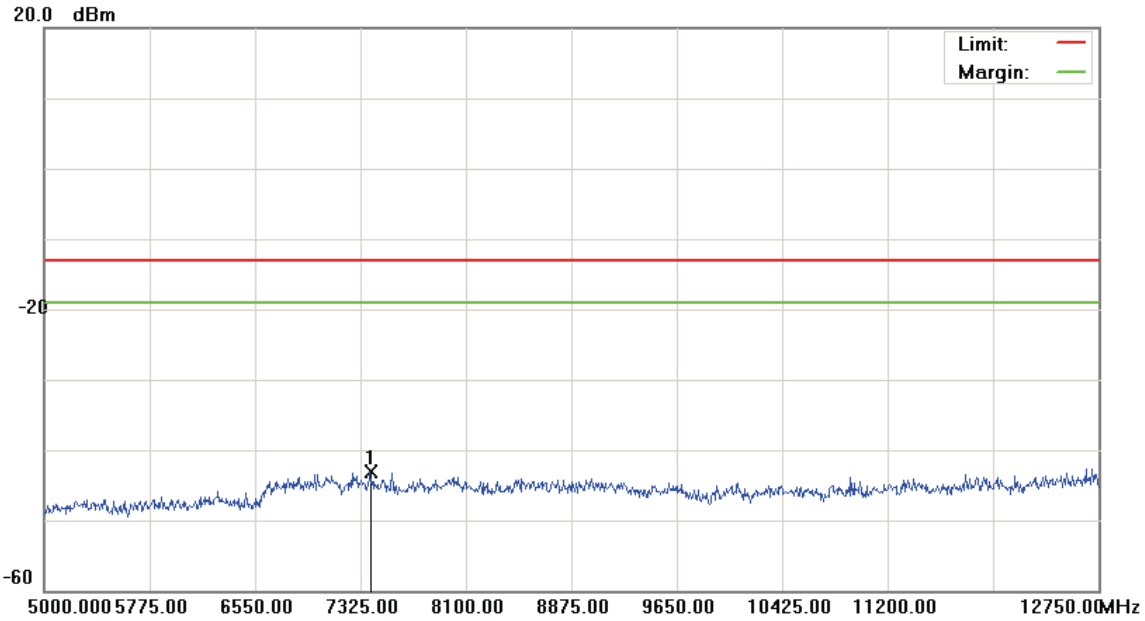
Polarization: *Conducted po*
Power: AC 120V/60Hz
Distance:

Temperature: 23 ℃
Humidity: 55.2 %
RBW: 1000 KHz VBW: 1000 KHz

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	Detector	cm	degree	Comment
1	*	1640.000	-47.06	4.44	-42.62	-13.00	-29.62	peak			

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

File :AC771S(CH560) Data :#4 Date: 2013/2/26 Time: 下午 06:52:02



Site: : RF Conducted
Limit: FCC Part 22 conducted(9k-12.75G)
EUT: Wireless Mobile HotSpot
M/N: AirCard 771S
Mode: CDMA Sec 800
Note: CH 560

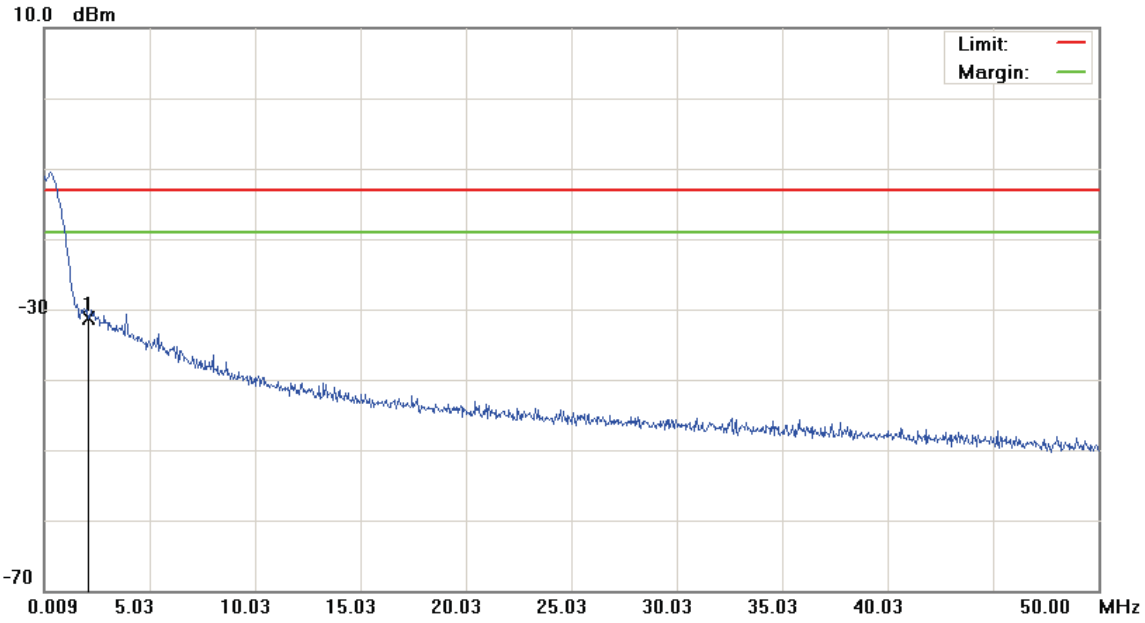
Polarization: *Conducted po*
Power: AC 120V/60Hz
Distance:

Temperature: 23 ℃
Humidity: 55.2 %
RBW: 1000 KHz VBW: 1000 KHz

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	Detector	cm	degree	Comment
1	*	7398.625	-48.20	5.20	-43.00	-13.00	-30.00	peak			

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

File :AC771S(CH670) Data :#1 Date: 2013/2/26 Time: 下午 06:47:36



Site: : RF Conducted
Limit: FCC Part 22 conducted(9k-12.75G)
EUT: Wireless Mobile HotSpot
M/N: AirCard 771S
Mode: CDMA Sec 800
Note: CH 670

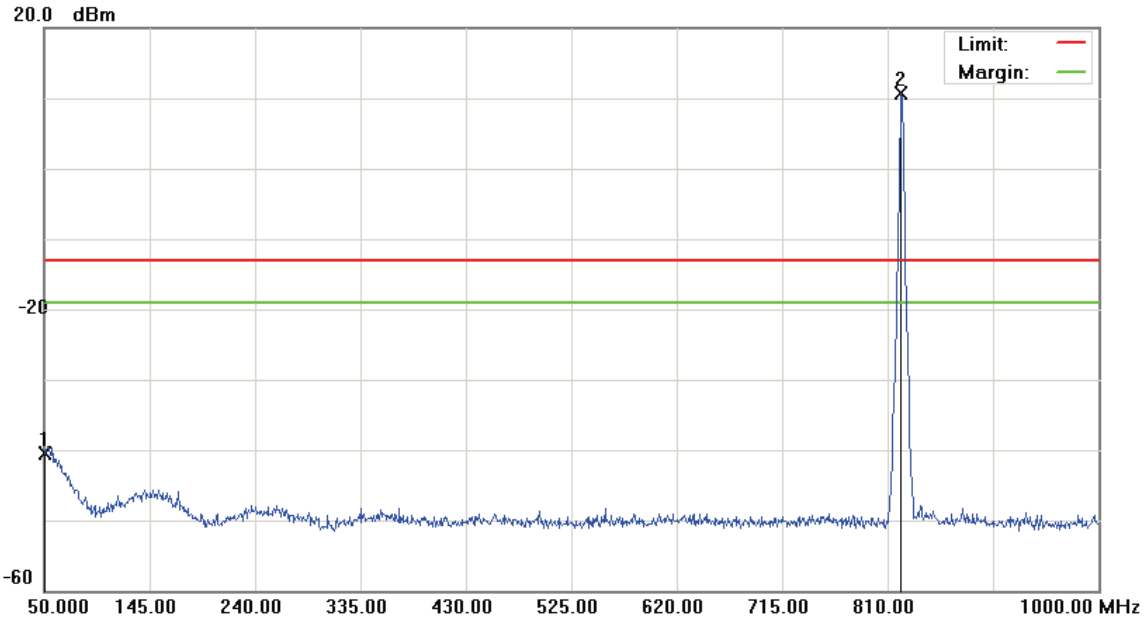
Polarization: *Conducted po*
Power: AC 120V/60Hz
Distance:

Temperature: 23 ℃
Humidity: 55.2 %
RBW: 1000 KHz VBW: 1000 KHz

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	Detector	cm	degree	Comment
1	*	2.1086	-62.90	31.54	-31.36	-13.00	-18.36	peak			

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

File :AC771S(CH670) Data :#2 Date: 2013/2/26 Time: 下午 06:47:59



Site: : RF Conducted
Limit: FCC Part 22 conducted(9k-12.75G)
EUT: Wireless Mobile HotSpot
M/N: AirCard 771S
Mode: CDMA Sec 800
Note: CH 670

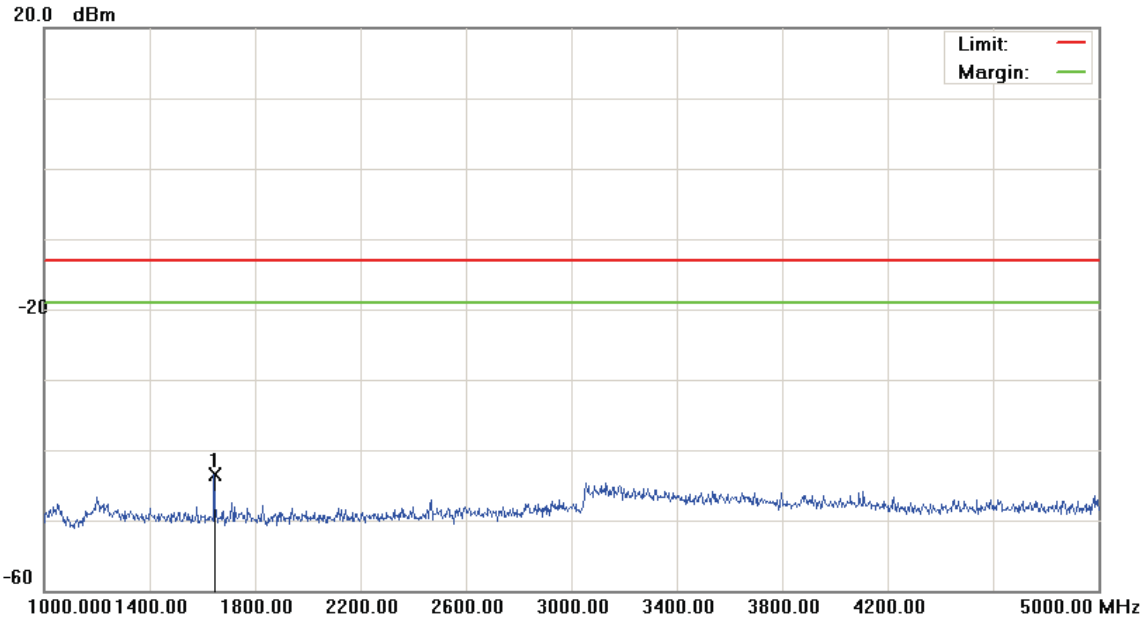
Polarization: *Conducted po*
Power: AC 120V/60Hz
Distance:

Temperature: 23 ℃
Humidity: 55.2 %
RBW: 1000 KHz VBW: 1000 KHz

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	Detector	cm	degree	Comment
1		50.0000	-55.15	14.69	-40.46	-13.00	-27.46	peak			
2	*	822.3500	6.91	3.82	10.73	-13.00	23.73	peak			Tx

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

File :AC771S(CH670) Data :#3 Date: 2013/2/26 Time: 下午 06:52:46



Site: : RF Conducted
Limit: FCC Part 22 conducted(9k-12.75G)
EUT: Wireless Mobile HotSpot
M/N: AirCard 771S
Mode: CDMA Sec 800
Note: CH 670

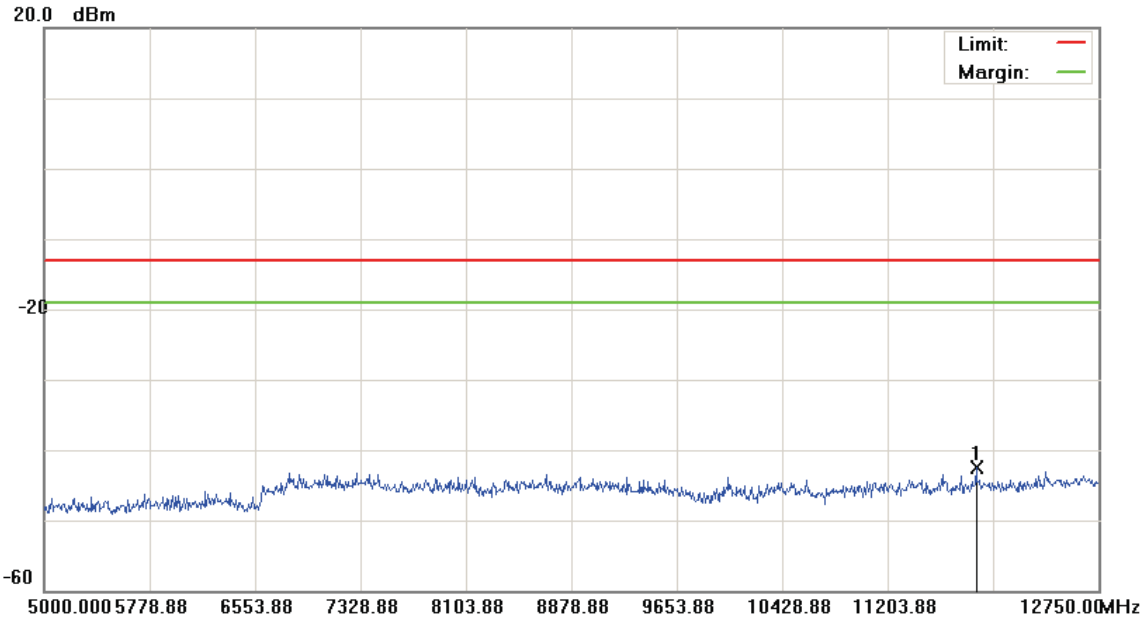
Polarization: *Conducted po*
Power: AC 120V/60Hz
Distance:

Temperature: 23 ℃
Humidity: 55.2 %
RBW: 1000 KHz VBW: 1000 KHz

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	Detector	cm	degree	Comment
1	*	1646.000	-47.95	4.45	-43.50	-13.00	-30.50	peak			

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

File :AC771S(CH670) Data :#4 Date: 2013/2/26 Time: 下午 06:53:09



Site: : RF Conducted
Limit: FCC Part 22 conducted(9k-12.75G)
EUT: Wireless Mobile HotSpot
M/N: AirCard 771S
Mode: CDMA Sec 800
Note: CH 670

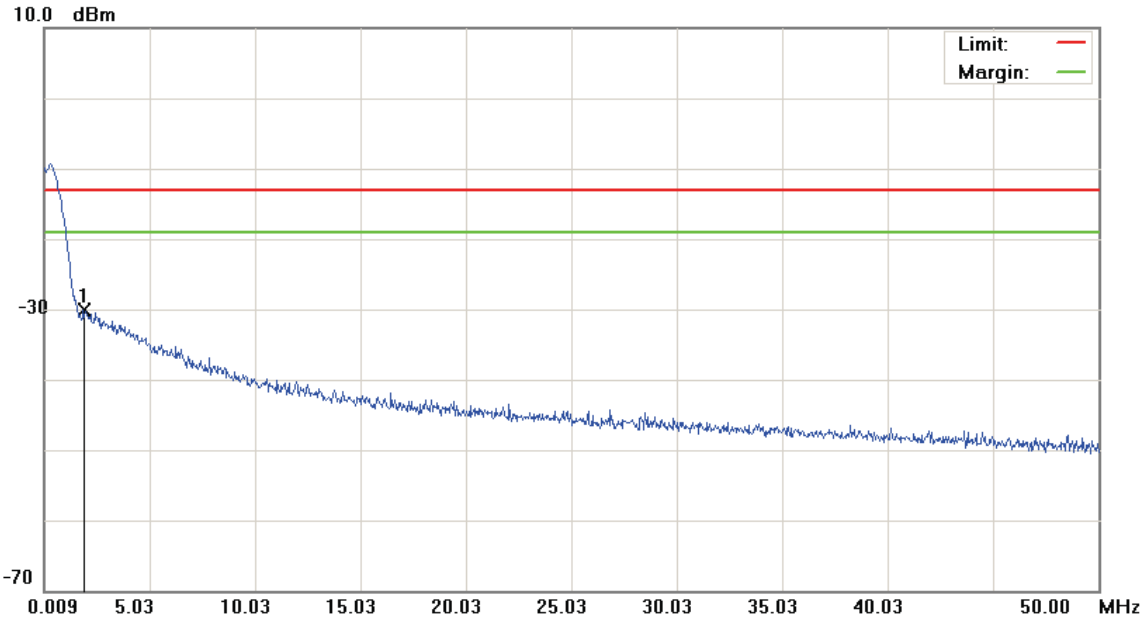
Polarization: *Conducted po*
Power: AC 120V/60Hz
Distance:

Temperature: 23 ℃
Humidity: 55.2 %
RBW: 1000 KHz VBW: 1000 KHz

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	Detector	cm	degree	Comment
1	*	11854.875	-48.18	5.70	-42.48	-13.00	-29.48	peak			

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

File :AC771S(CH1013) Data :#1 Date: 2013/2/25 Time: 下午 10:20:12



Site: : RF Conducted
Limit: FCC Part 22 conducted(9k-12.75G)
EUT: Wireless Mobile HotSpot
M/N: AirCard 771S
Mode: CDMA 800
Note: CH 1013

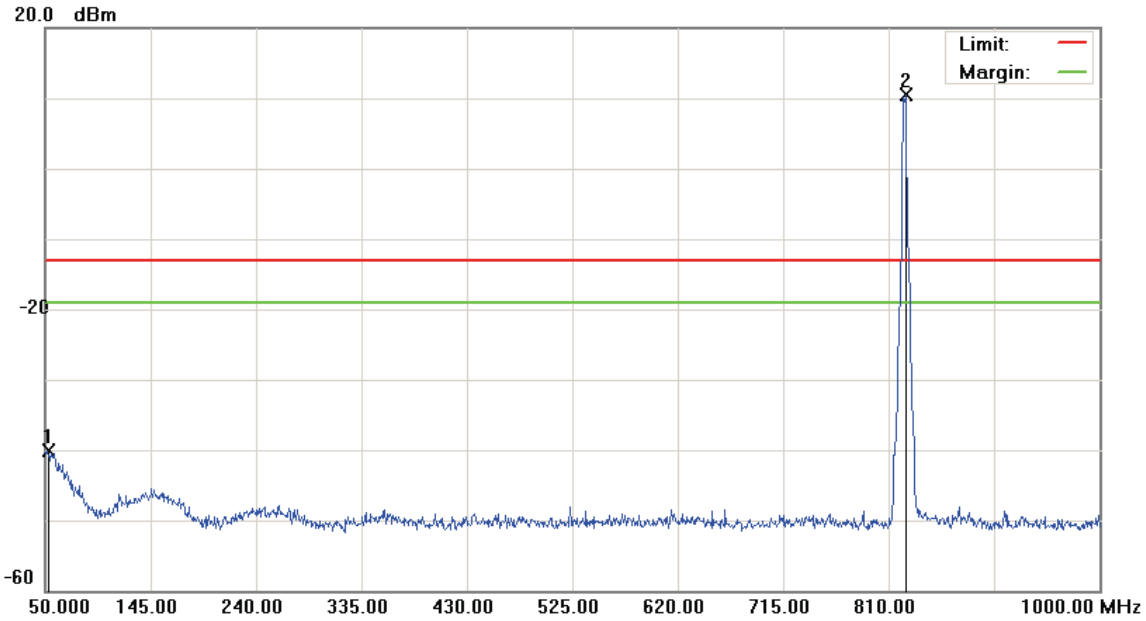
Polarization: *Conducted po*
Power: AC 120V/60Hz
Distance:

Temperature: 23 ℃
Humidity: 55.2 %
RBW: 1000 KHz VBW: 1000 KHz

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	Detector	cm	degree	Comment
1	*	1.8836	-61.35	31.17	-30.18	-13.00	-17.18	peak			

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

File :AC771S(CH1013) Data :#2 Date: 2013/2/25 Time: 下午 10:20:36



Site: : RF Conducted
Limit: FCC Part 22 conducted(9k-12.75G)
EUT: Wireless Mobile HotSpot
M/N: AirCard 771S
Mode: CDMA 800
Note: CH 1013

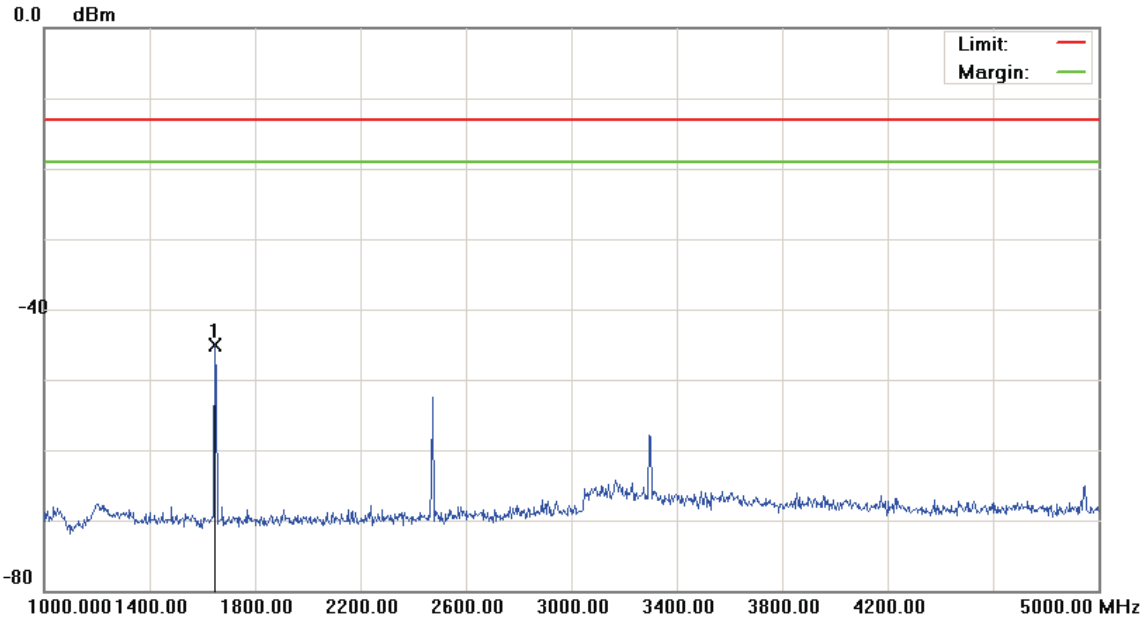
Polarization: *Conducted po*
Power: AC 120V/60Hz
Distance:

Temperature: 23 ℃
Humidity: 55.2 %
RBW: 1000 KHz VBW: 1000 KHz

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	Detector	cm	degree	Comment
1		52.3750	-54.30	14.27	-40.03	-13.00	-27.03	peak			
2	*	825.2000	6.64	3.84	10.48	-13.00	23.48	peak			Tx

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

File :AC771S(CH1013) Data :#3 Date: 2013/2/25 Time: 下午 10:46:56



Site: : RF Conducted
Limit: FCC Part 22 conducted(9k-12.75G)
EUT: Wireless Mobile HotSpot
M/N: AirCard 771S
Mode: CDMA 800
Note: CH 1013

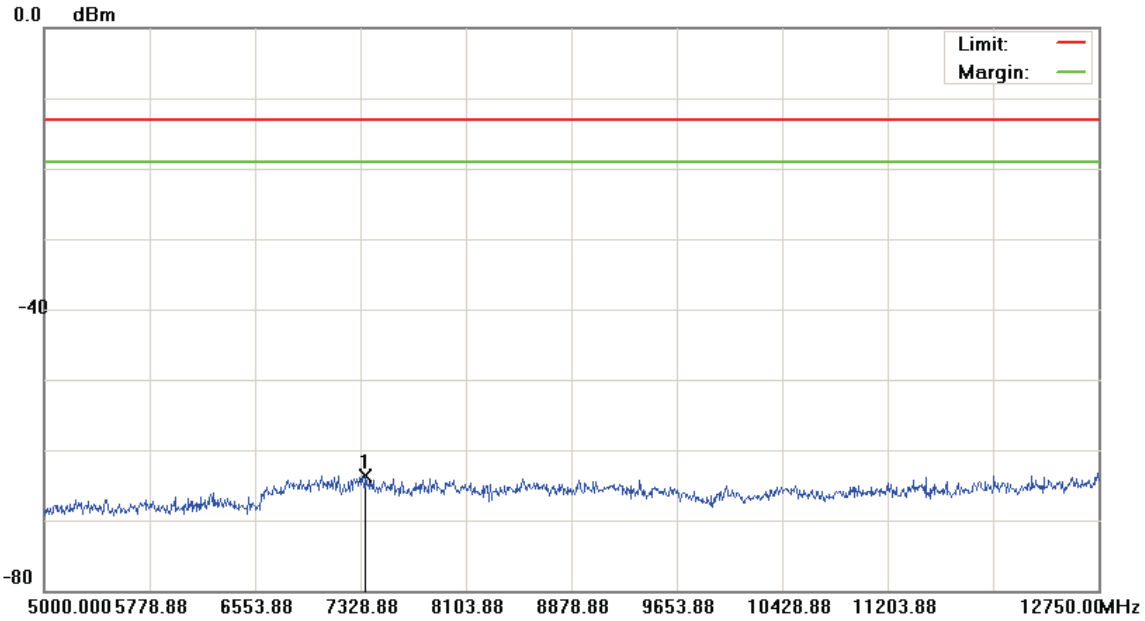
Polarization: *Conducted po*
Power: AC 120V/60Hz
Distance:

Temperature: 23 ℃
Humidity: 55.2 %
RBW: 1000 KHz VBW: 1000 KHz

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	Detector	cm	degree	Comment
1	*	1648.000	-49.52	4.45	-45.07	-13.00	-32.07	peak			

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

File :AC771S(CH1013) Data :#4 Date: 2013/2/25 Time: 下午 10:47:19



Site: : RF Conducted
Limit: FCC Part 22 conducted(9k-12.75G)
EUT: Wireless Mobile HotSpot
M/N: AirCard 771S
Mode: CDMA 800
Note: CH 1013

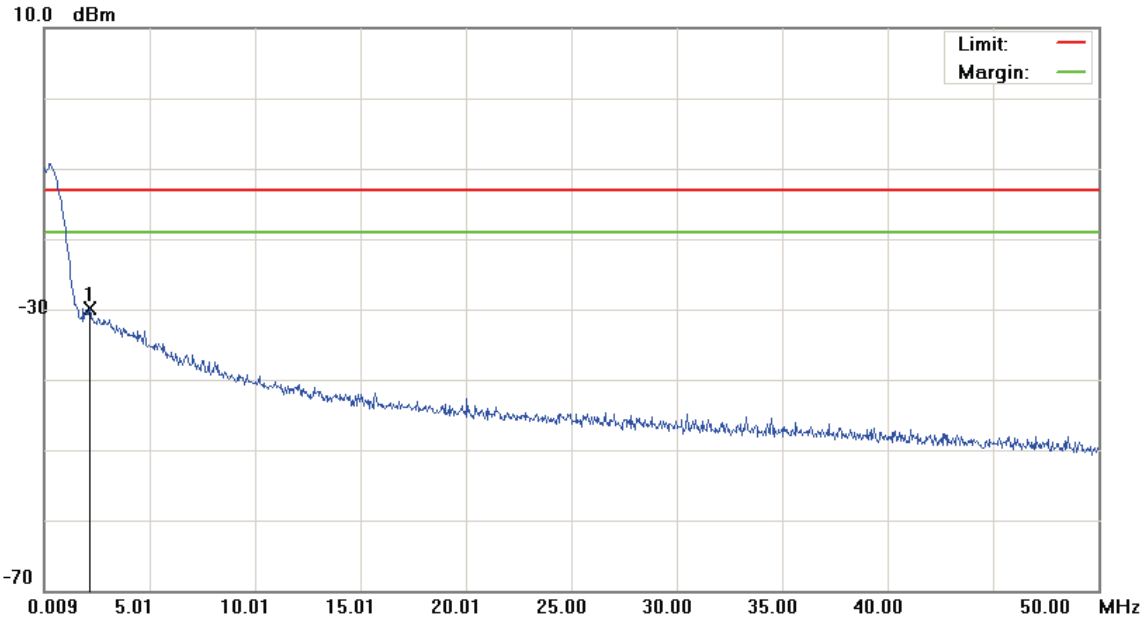
Polarization: *Conducted po*
Power: AC 120V/60Hz
Distance:

Temperature: 23 ℃
Humidity: 55.2 %
RBW: 1000 KHz VBW: 1000 KHz

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	Detector	cm	degree	Comment
1	*	7363.750	-68.76	5.08	-63.68	-13.00	-50.68	peak			

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

File :AC771S(CH384) Data :#1 Date: 2013/2/25 Time: 下午 10:21:57



Site: : RF Conducted
Limit: FCC Part 22 conducted(9k-12.75G)
EUT: Wireless Mobile HotSpot
M/N: AirCard 771S
Mode: CDMA 800
Note: CH 384

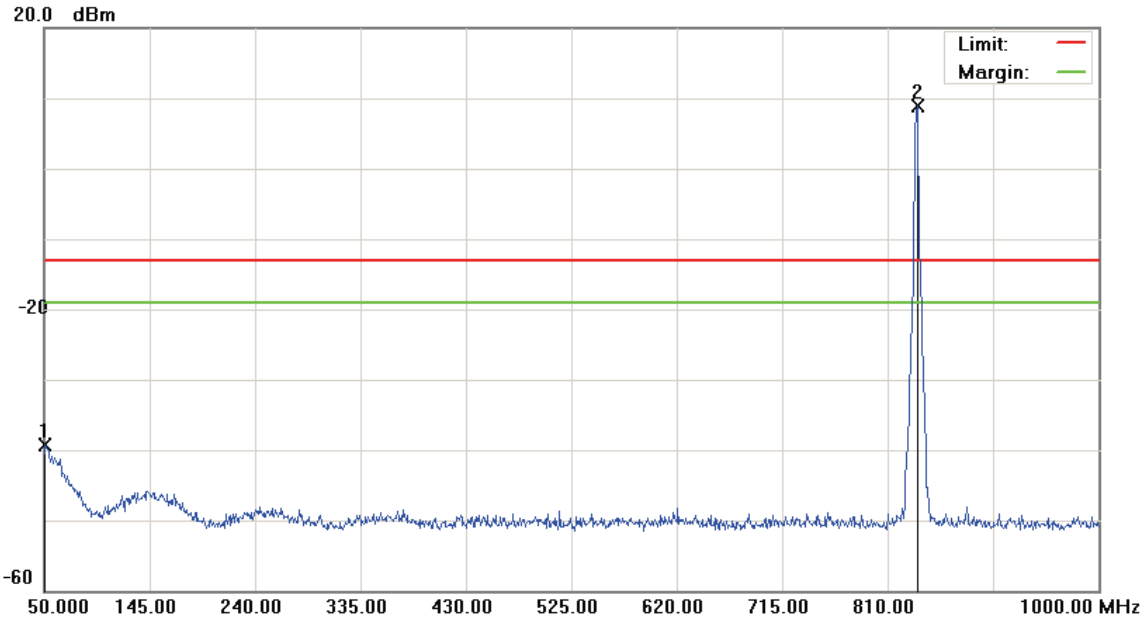
Polarization: *Conducted po*
Power: AC 120V/60Hz
Distance:

Temperature: 23 ℃
Humidity: 55.2 %
RBW: 1000 KHz VBW: 1000 KHz

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	Detector	cm	degree	Comment
1	*	2.1585	-61.24	31.41	-29.83	-13.00	-16.83	peak			

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

File :AC771S(CH384) Data :#2 Date: 2013/2/25 Time: 下午 10:22:21



Site: : RF Conducted
Limit: FCC Part 22 conducted(9k-12.75G)
EUT: Wireless Mobile HotSpot
M/N: AirCard 771S
Mode: CDMA 800
Note: CH 384

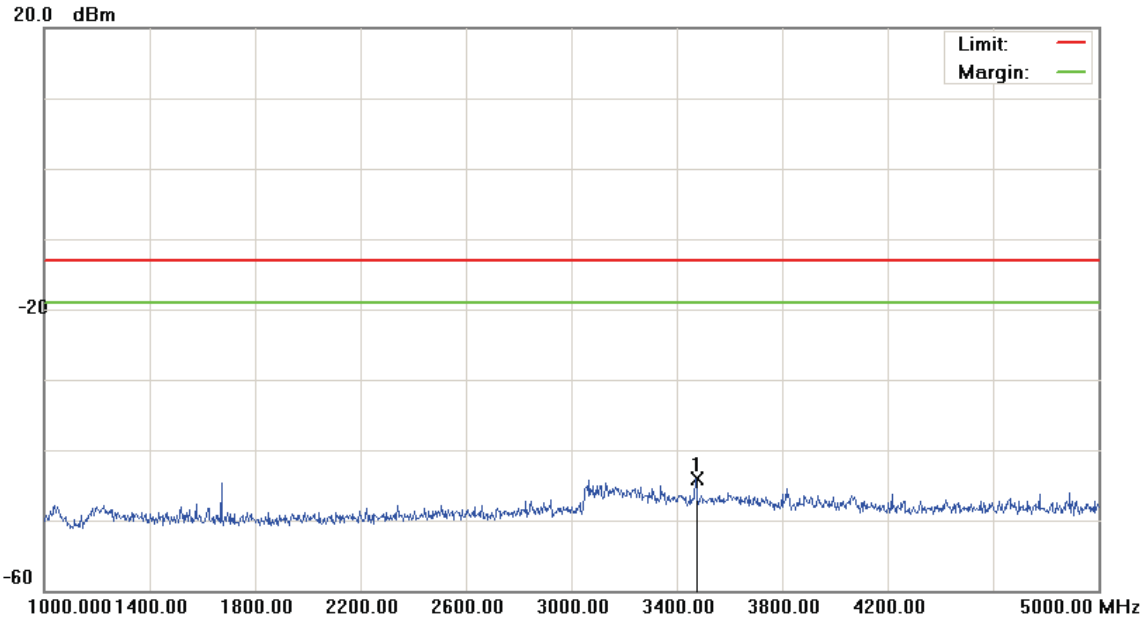
Polarization: Conducted po
Power: AC 120V/60Hz
Distance:

Temperature: 23 ℃
Humidity: 55.2 %
RBW: 1000 KHz VBW: 1000 KHz

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	Detector	cm	degree	Comment
1		50.9500	-53.72	14.52	-39.20	-13.00	-26.20	peak			
2	*	837.0750	5.01	3.96	8.97	-13.00	21.97	peak			Tx

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

File :AC771S(CH384) Data :#3 Date: 2013/2/25 Time: 下午 10:48:06



Site: : RF Conducted
Limit: FCC Part 22 conducted(9k-12.75G)
EUT: Wireless Mobile HotSpot
M/N: AirCard 771S
Mode: CDMA 800
Note: CH 384

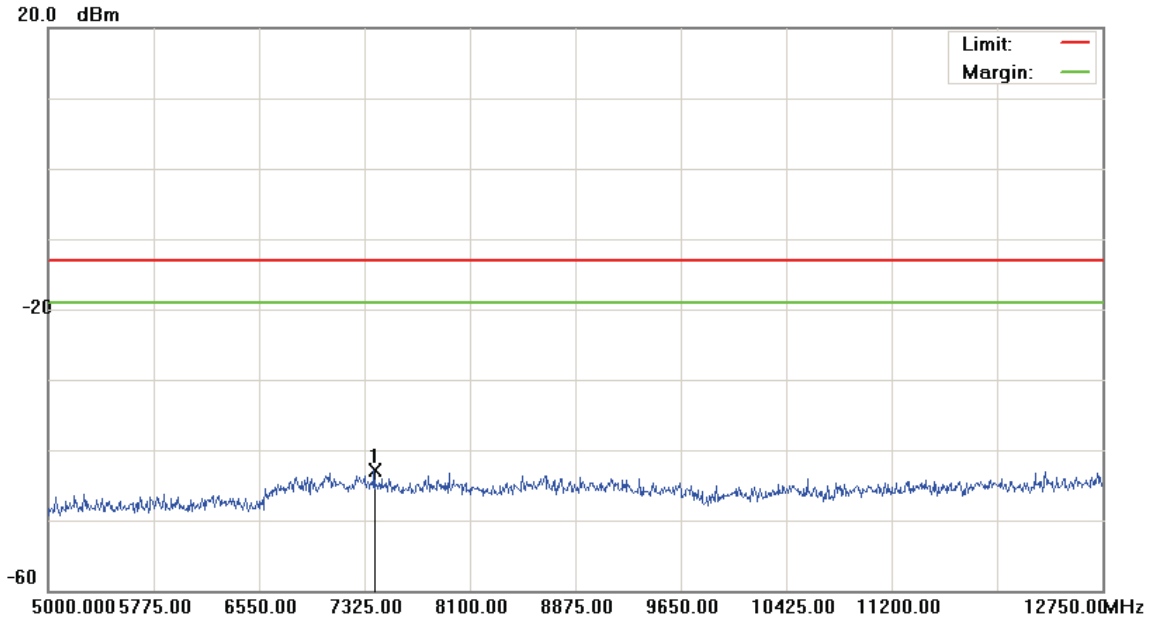
Polarization: *Conducted po*
Power: AC 120V/60Hz
Distance:

Temperature: 23 ℃
Humidity: 55.2 %
RBW: 1000 KHz VBW: 1000 KHz

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	Detector	cm	degree	Comment
1	*	3474.000	-48.43	4.33	-44.10	-13.00	-31.10	peak			

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

File :AC771S(CH384) Data :#4 Date: 2013/2/25 Time: 下午 10:48:29



Site: : RF Conducted
Limit: FCC Part 22 conducted(9k-12.75G)
EUT: Wireless Mobile HotSpot
M/N: AirCard 771S
Mode: CDMA 800
Note: CH 384

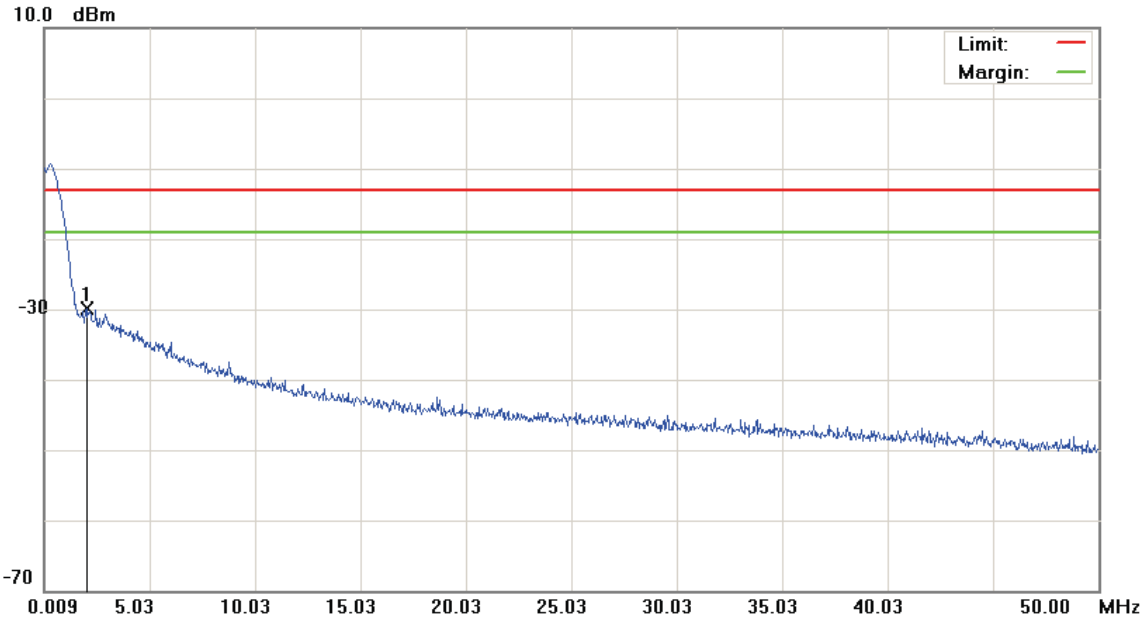
Polarization: *Conducted po*
Power: AC 120V/60Hz
Distance:

Temperature: 23 ℃
Humidity: 55.2 %
RBW: 1000 KHz VBW: 1000 KHz

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	Detector	cm	degree	Comment
1	*	7398.625	-48.14	5.20	-42.94	-13.00	-29.94	peak			

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

File :AC771S(CH777) Data :#1 Date: 2013/2/25 Time: 下午 10:23:41



Site: : RF Conducted
Limit: FCC Part 22 conducted(9k-12.75G)
EUT: Wireless Mobile HotSpot
M/N: AirCard 771S
Mode: CDMA 800
Note: CH 777

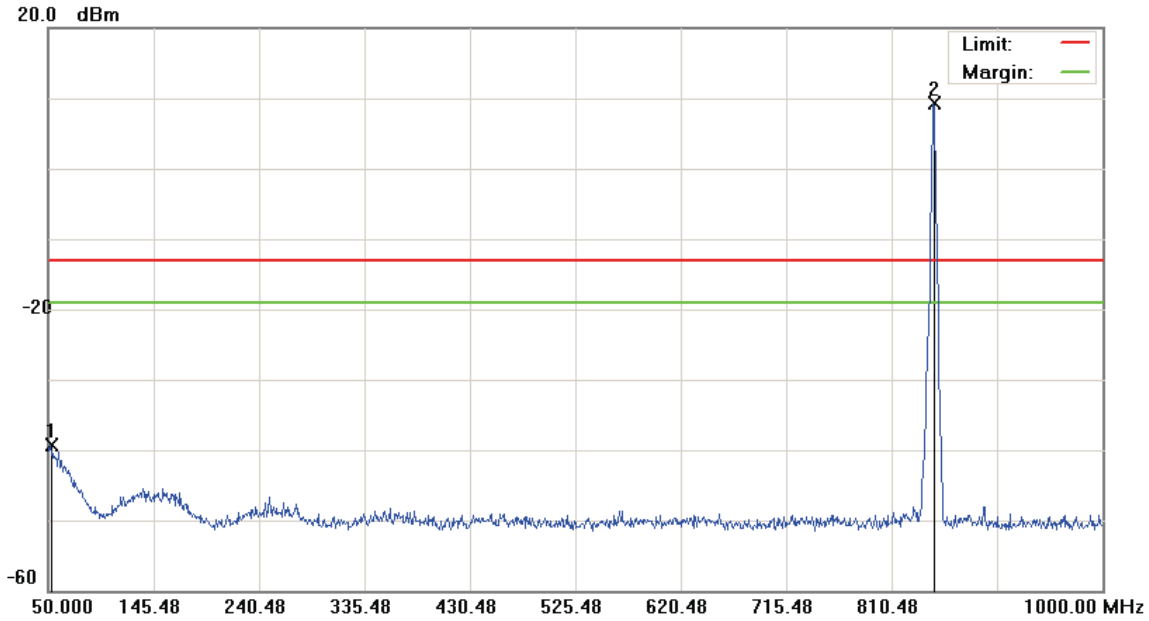
Polarization: *Conducted po*
Power: AC 120V/60Hz
Distance:

Temperature: 23 ℃
Humidity: 55.2 %
RBW: 1000 KHz VBW: 1000 KHz

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	Detector	cm	degree	Comment
1	*	2.0586	-61.27	31.45	-29.82	-13.00	-16.82	peak			

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

File :AC771S(CH777) Data :#2 Date: 2013/2/25 Time: 下午 10:24:05



Site: : RF Conducted
Limit: FCC Part 22 conducted(9k-12.75G)
EUT: Wireless Mobile HotSpot
M/N: AirCard 771S
Mode: CDMA 800
Note: CH 777

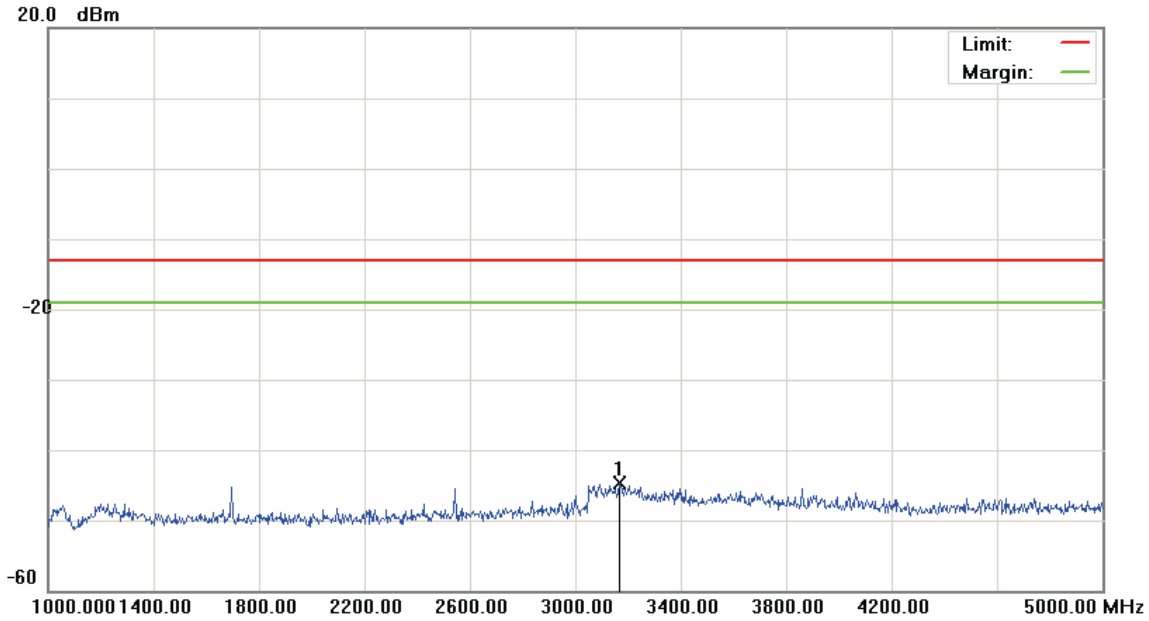
Polarization: *Conducted po*
Power: AC 120V/60Hz
Distance:

Temperature: 23 ℃
Humidity: 55.2 %
RBW: 1000 KHz VBW: 1000 KHz

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	Detector	cm	degree	Comment
1		52.3750	-53.53	14.27	-39.26	-13.00	-26.26	peak			
2	*	847.5250	5.25	3.98	9.23	-13.00	22.23	peak			Tx

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

File :AC771S(CH777) Data :#3 Date: 2013/2/25 Time: 下午 10:49:47



Site: : RF Conducted
Limit: FCC Part 22 conducted(9k-12.75G)
EUT: Wireless Mobile HotSpot
M/N: AirCard 771S
Mode: CDMA 800
Note: CH 777

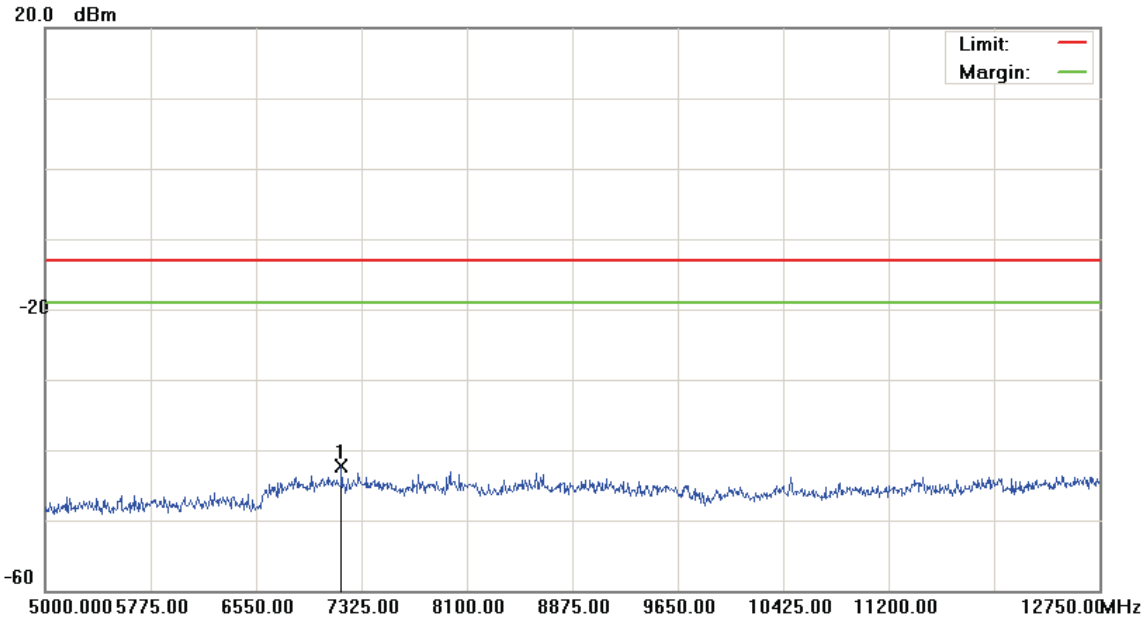
Polarization: *Conducted po*
Power: AC 120V/60Hz
Distance:

Temperature: 23 ℃
Humidity: 55.2 %
RBW: 1000 KHz VBW: 1000 KHz

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	Detector	cm	degree	Comment
1	*	3168.000	-49.28	4.60	-44.68	-13.00	-31.68	peak			

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

File :AC771S(CH777) Data :#4 Date: 2013/2/25 Time: 下午 10:50:10



Site: : RF Conducted
Limit: FCC Part 22 conducted(9k-12.75G)
EUT: Wireless Mobile HotSpot
M/N: AirCard 771S
Mode: CDMA 800
Note: CH 777

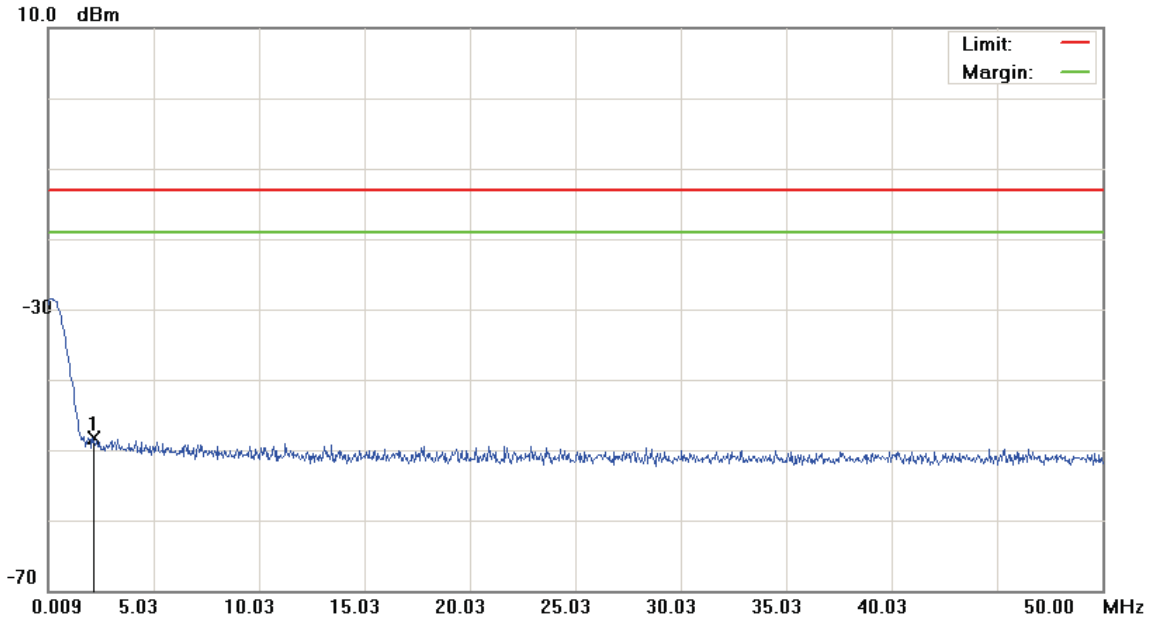
Polarization: *Conducted po*
Power: AC 120V/60Hz
Distance:

Temperature: 23 ℃
Humidity: 55.2 %
RBW: 1000 KHz VBW: 1000 KHz

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	Detector	cm	degree	Comment
1	*	7177.750	-47.36	5.05	-42.31	-13.00	-29.31	peak			

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

File :AC771S(CH25) Data :#1 Date: 2013/2/25 Time: 下午 10:30:31



Site: : RF Conducted
Limit: FCC Part 24 conducted(9k-26.5G)
EUT: Wireless Mobile HotSpot
M/N: AirCard 771S
Mode: CDMA 1900
Note: CH 25

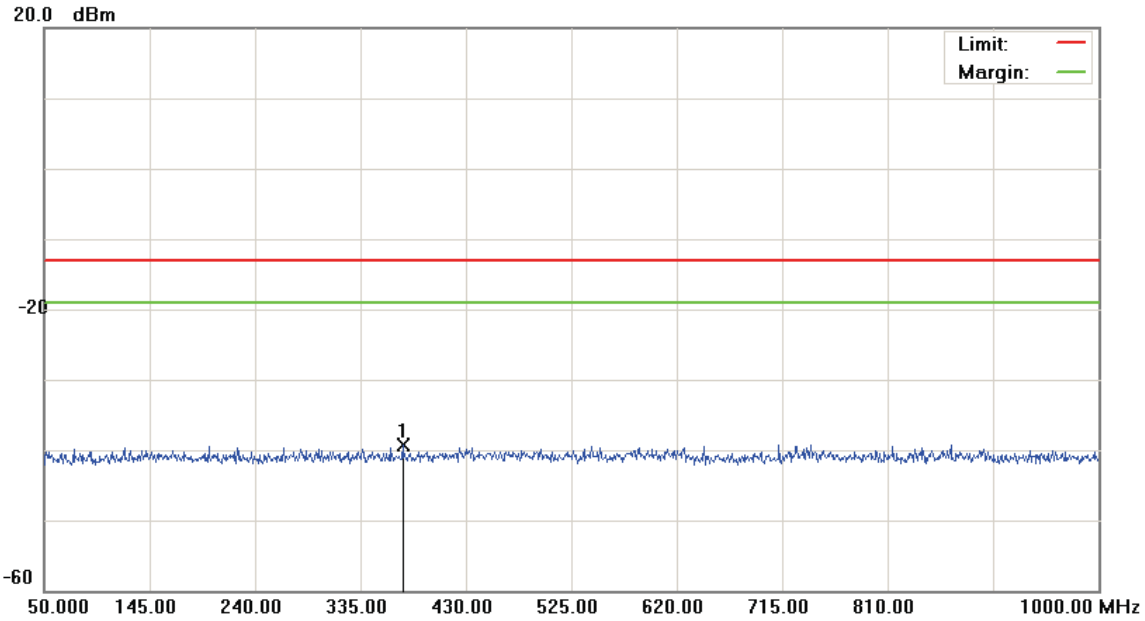
Polarization: *Conducted po*
Power: AC 120V/60Hz
Distance:

Temperature: 23 ℃
Humidity: 55.2 %
RBW: 1000 KHz VBW: 1000 KHz

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	Detector	cm	degree	Comment
1	*	2.1335	-61.53	13.14	-48.39	-13.00	-35.39	peak			

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

File :AC771S(CH25) Data :#2 Date: 2013/2/25 Time: 下午 10:30:55



Site: : RF Conducted
Limit: FCC Part 24 conducted(9k-26.5G)
EUT: Wireless Mobile HotSpot
M/N: AirCard 771S
Mode: CDMA 1900
Note: CH 25

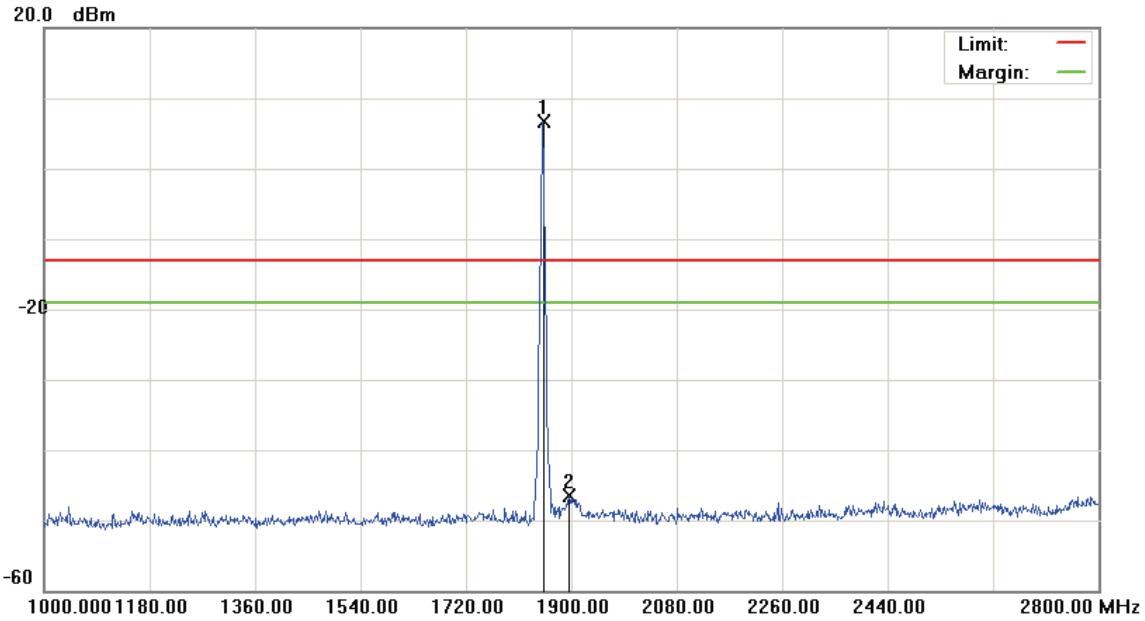
Polarization: *Conducted po*
Power: AC 120V/60Hz
Distance:

Temperature: 23 ℃
Humidity: 55.2 %
RBW: 1000 KHz VBW: 1000 KHz

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	Detector	cm	degree	Comment
1	*	373.4750	-52.47	13.21	-39.26	-13.00	-26.26	peak			

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

File :AC771S(CH25) Data :#3 Date: 2013/2/25 Time: 下午 10:36:03



Site: : RF Conducted
Limit: FCC Part 24 conducted(9k-26.5G)
EUT: Wireless Mobile HotSpot
M/N: AirCard 771S
Mode: CDMA 1900
Note: CH 25

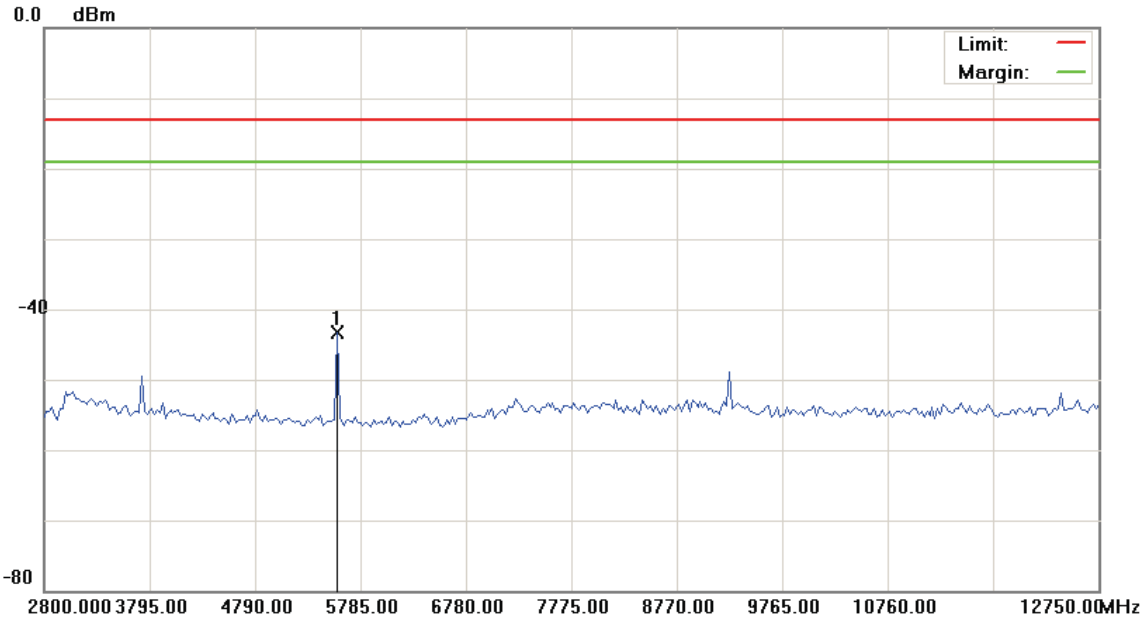
Polarization: *Conducted po*
Power: AC 120V/60Hz
Distance:

Temperature: 23 ℃
Humidity: 55.2 %
RBW: 1000 KHz VBW: 1000 KHz

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	Detector	cm	degree	Comment
1	*	1852.300	2.51	4.27	6.78	-13.00	19.78	peak			Tx
2		1896.400	-52.77	6.27	-46.50	-13.00	-33.50	peak			

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

File :AC771S(CH25) Data :#4 Date: 2013/2/25 Time: 下午 10:58:29



Site: : RF Conducted
Limit: FCC Part 24 conducted(9k-26.5G)
EUT: Wireless Mobile HotSpot
M/N: AirCard 771S
Mode: CDMA 1900
Note: CH 25

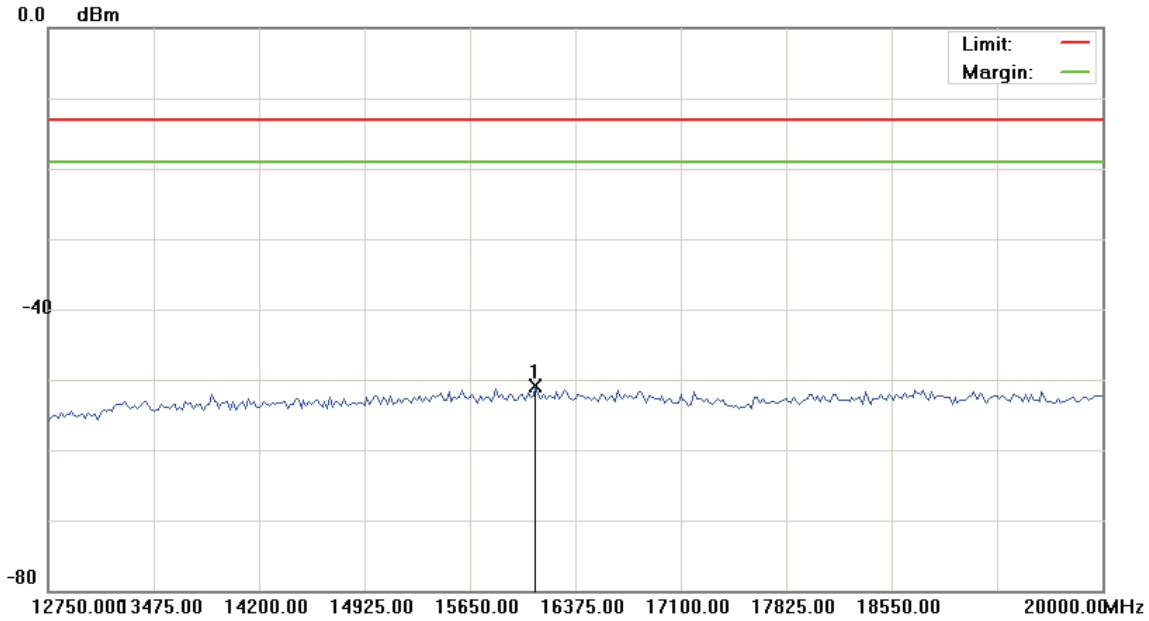
Polarization: *Conducted po*
Power: AC 120V/60Hz
Distance:

Temperature: 23 ℃
Humidity: 55.2 %
RBW: 1000 KHz VBW: 1000 KHz

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	Detector	cm	degree	Comment
1	*	5561.125	-48.10	4.89	-43.21	-13.00	-30.21	peak			

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

File :AC771S(CH25) Data :#5 Date: 2013/2/25 Time: 下午 10:58:49



Site: : RF Conducted
Limit: FCC Part 24 conducted(9k-26.5G)
EUT: Wireless Mobile HotSpot
M/N: AirCard 771S
Mode: CDMA 1900
Note: CH 25

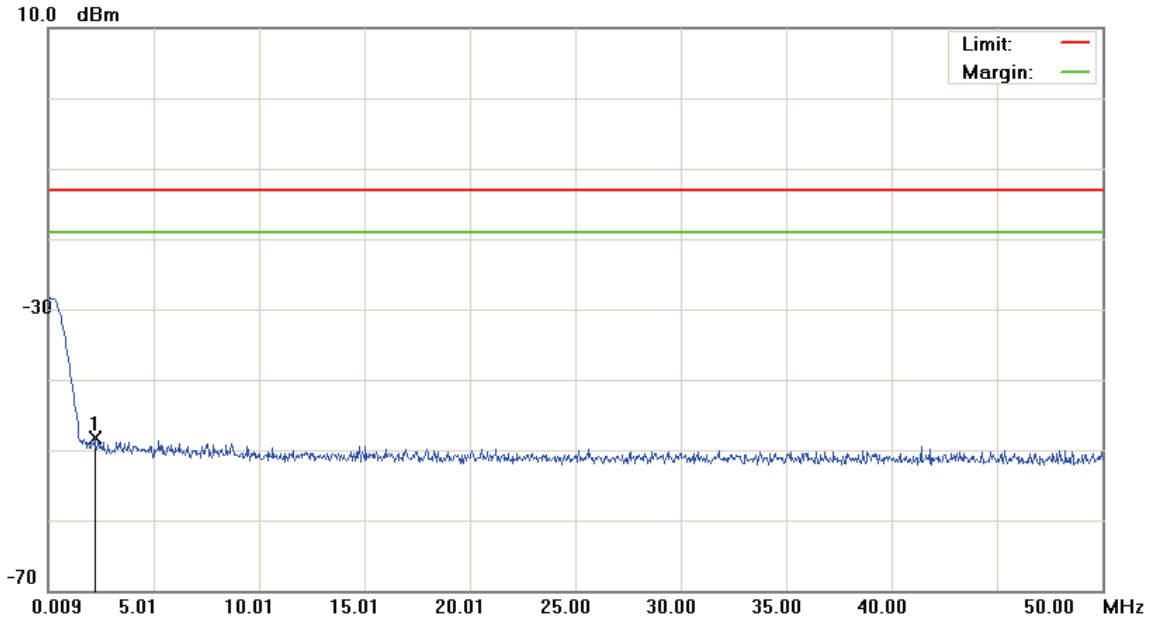
Polarization: *Conducted po*
Power: AC 120V/60Hz
Distance:

Temperature: 23 ℃
Humidity: 55.2 %
RBW: 1000 KHz VBW: 1000 KHz

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	Detector	cm	degree	Comment
1	*	16103.125	-57.17	6.33	-50.84	-13.00	-37.84	peak			

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

File :AC771S(CH600) Data :#1 Date: 2013/2/25 Time: 下午 10:31:56



Site: : RF Conducted
Limit: FCC Part 24 conducted(9k-26.5G)
EUT: Wireless Mobile HotSpot
M/N: AirCard 771S
Mode: CDMA 1900
Note: CH 600

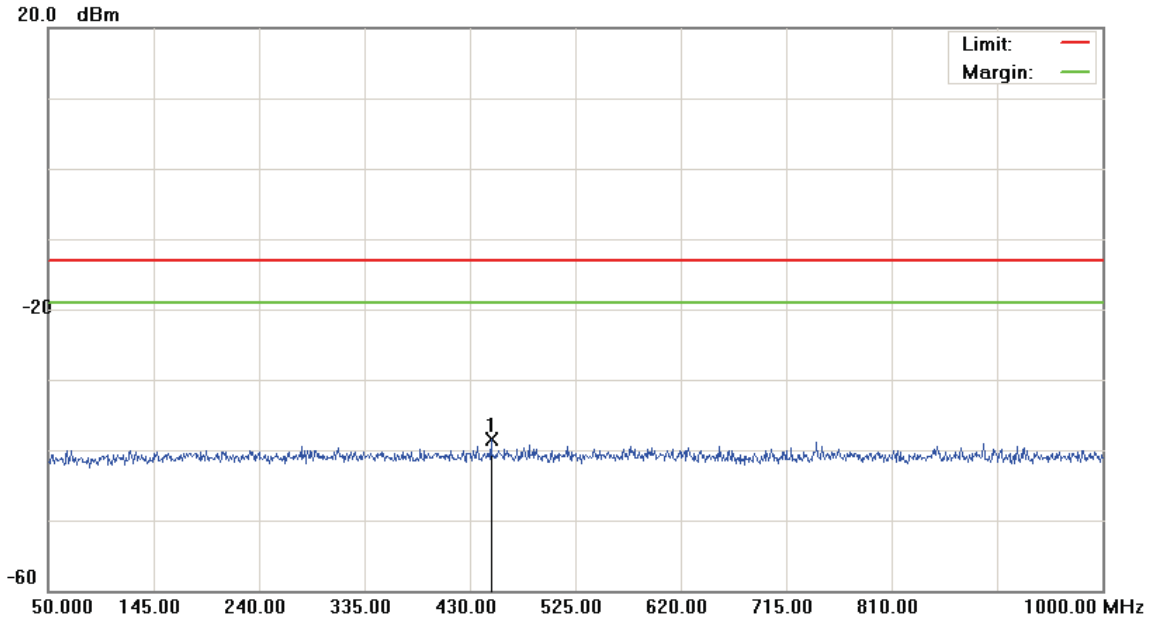
Polarization: *Conducted po*
Power: AC 120V/60Hz
Distance:

Temperature: 23 ℃
Humidity: 55.2 %
RBW: 1000 KHz VBW: 1000 KHz

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	Detector	cm	degree	Comment
1	*	2.2336	-61.47	13.08	-48.39	-13.00	-35.39	peak			

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

File :AC771S(CH600) Data :#2 Date: 2013/2/25 Time: 下午 10:32:20



Site: : RF Conducted
Limit: FCC Part 24 conducted(9k-26.5G)
EUT: Wireless Mobile HotSpot
M/N: AirCard 771S
Mode: CDMA 1900
Note: CH 600

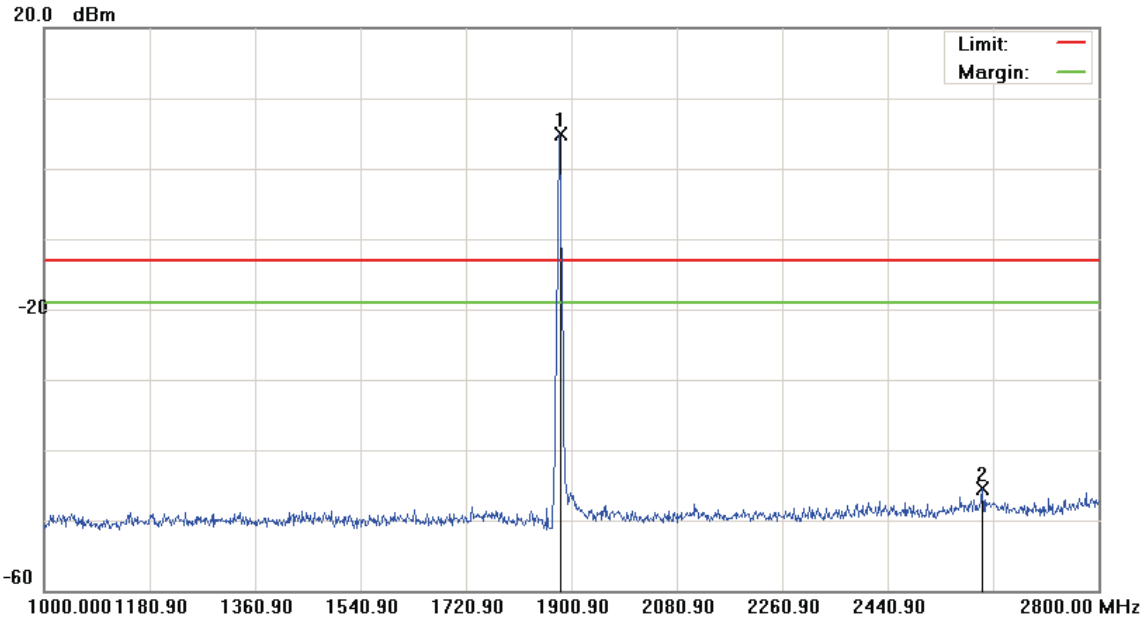
Polarization: *Conducted po*
Power: AC 120V/60Hz
Distance:

Temperature: 23 ℃
Humidity: 55.2 %
RBW: 1000 KHz VBW: 1000 KHz

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	Detector	cm	degree	Comment
1	*	449.0000	-51.72	13.21	-38.51	-13.00	-25.51	peak			

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

File :AC771S(CH600) Data :#3 Date: 2013/2/25 Time: 下午 10:37:25



Site: : RF Conducted
Limit: FCC Part 24 conducted(9k-26.5G)
EUT: Wireless Mobile HotSpot
M/N: AirCard 771S
Mode: CDMA 1900
Note: CH 600

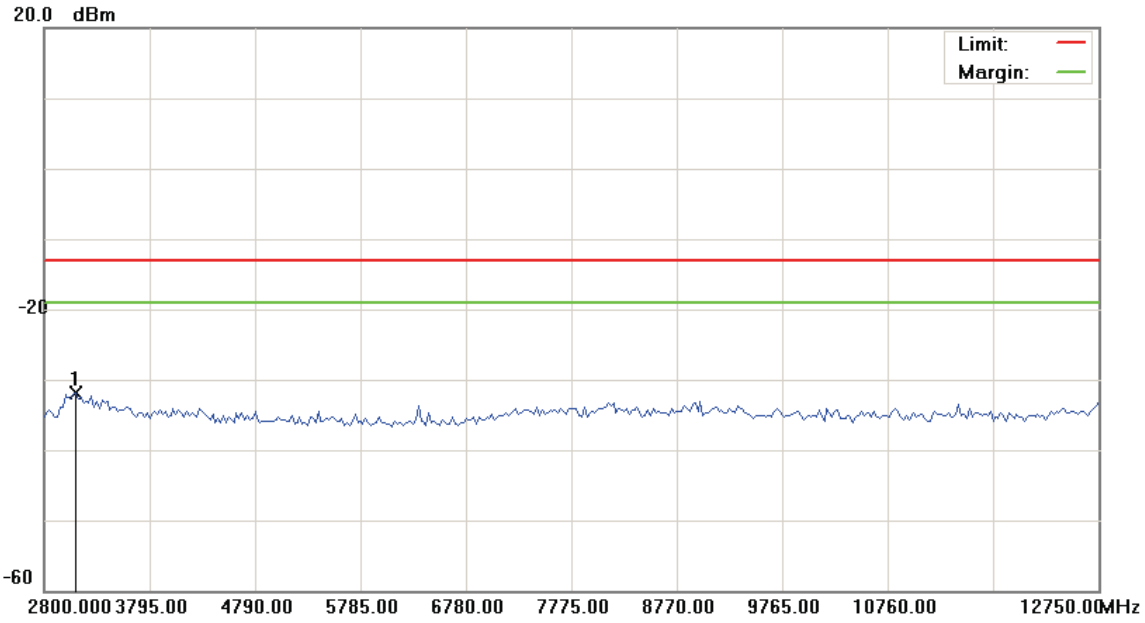
Polarization: *Conducted po*
Power: AC 120V/60Hz
Distance:

Temperature: 23 ℃
Humidity: 55.2 %
RBW: 1000 KHz VBW: 1000 KHz

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	Detector	cm	degree	Comment
1	*	1881.100	0.15	4.74	4.89	-13.00	17.89	peak			Tx
2		2602.000	-50.98	5.45	-45.53	-13.00	-32.53	peak			

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

File :AC771S(CH600) Data :#4 Date: 2013/2/25 Time: 下午 10:59:53



Site: : RF Conducted
Limit: FCC Part 24 conducted(9k-26.5G)
EUT: Wireless Mobile HotSpot
M/N: AirCard 771S
Mode: CDMA 1900
Note: CH 600

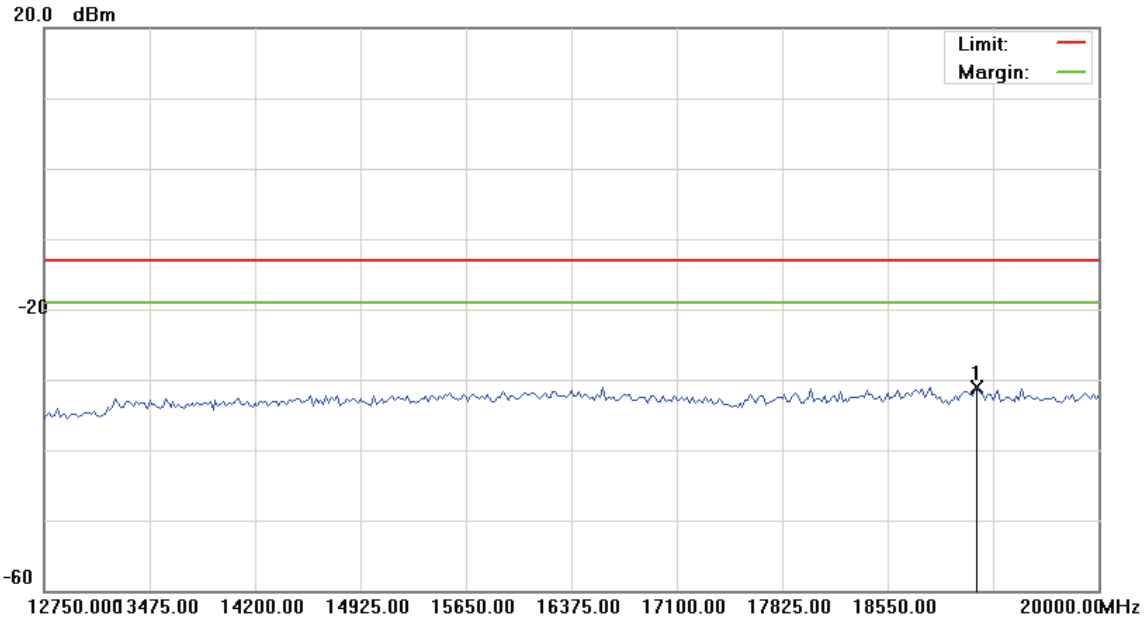
Polarization: *Conducted po*
Power: AC 120V/60Hz
Distance:

Temperature: 23 ℃
Humidity: 55.2 %
RBW: 1000 KHz VBW: 1000 KHz

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	Detector	cm	degree	Comment
1	*	3098.500	-37.23	5.32	-31.91	-13.00	-18.91	peak			

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

File :AC771S(CH600) Data :#5 Date: 2013/2/25 Time: 下午 11:00:13



Site: : RF Conducted
Limit: FCC Part 24 conducted(9k-26.5G)
EUT: Wireless Mobile HotSpot
M/N: AirCard 771S
Mode: CDMA 1900
Note: CH 600

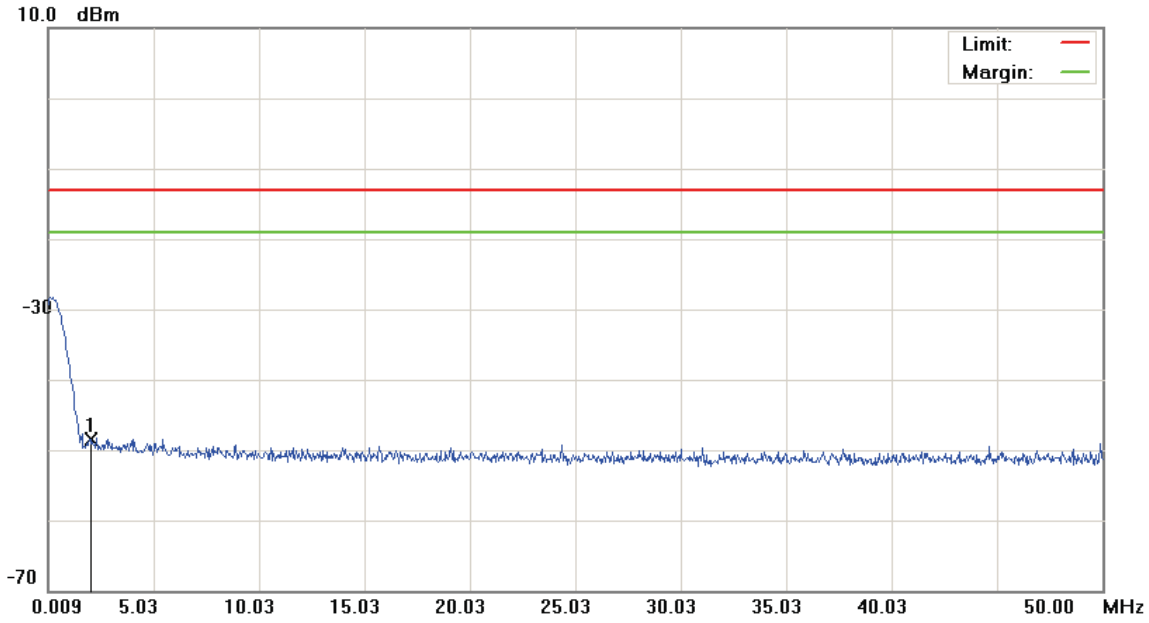
Polarization: *Conducted po*
Power: AC 120V/60Hz
Distance:

Temperature: 23 ℃
Humidity: 55.2 %
RBW: 1000 KHz VBW: 1000 KHz

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	Detector	cm	degree	Comment
1	*	19166.250	-38.33	7.20	-31.13	-13.00	-18.13	peak			

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

File :AC771S(CH1175) Data :#1 Date: 2013/2/25 Time: 下午 10:33:24



Site: : RF Conducted
Limit: FCC Part 24 conducted(9k-26.5G)
EUT: Wireless Mobile HotSpot
M/N: AirCard 771S
Mode: CDMA 1900
Note: CH 1175

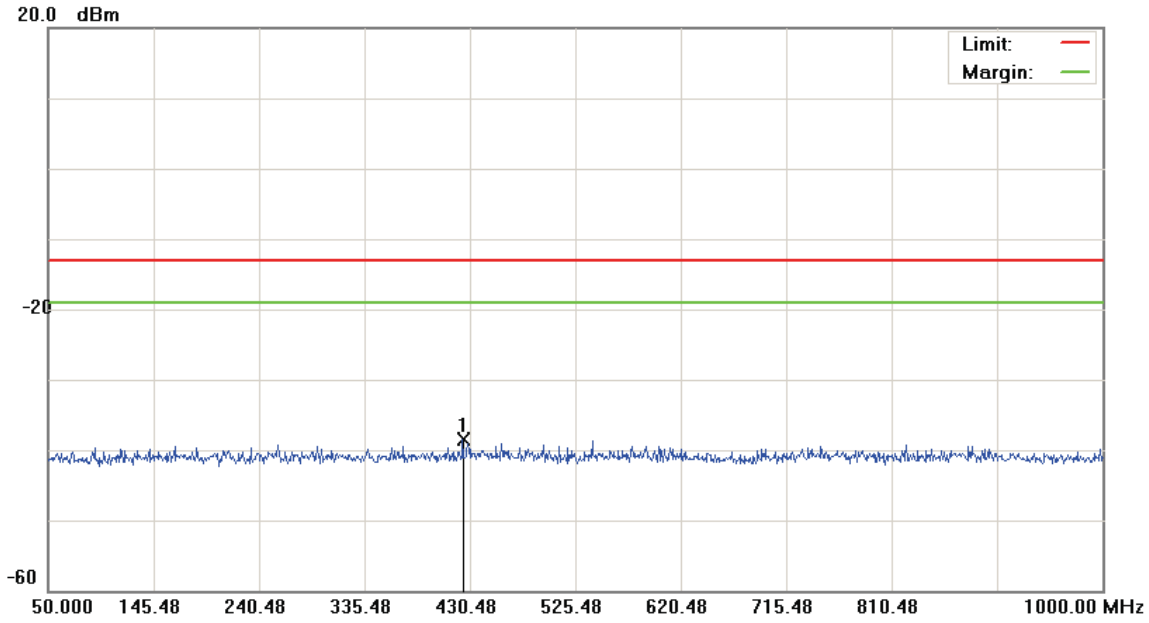
Polarization: *Conducted po*
Power: AC 120V/60Hz
Distance:

Temperature: 23 ℃
Humidity: 55.2 %
RBW: 1000 KHz VBW: 1000 KHz

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	Detector	cm	degree	Comment
1	*	2.0586	-61.64	13.18	-48.46	-13.00	-35.46	peak			

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

File :AC771S(CH1175) Data :#2 Date: 2013/2/25 Time: 下午 10:33:48



Site: : RF Conducted
Limit: FCC Part 24 conducted(9k-26.5G)
EUT: Wireless Mobile HotSpot
M/N: AirCard 771S
Mode: CDMA 1900
Note: CH 1175

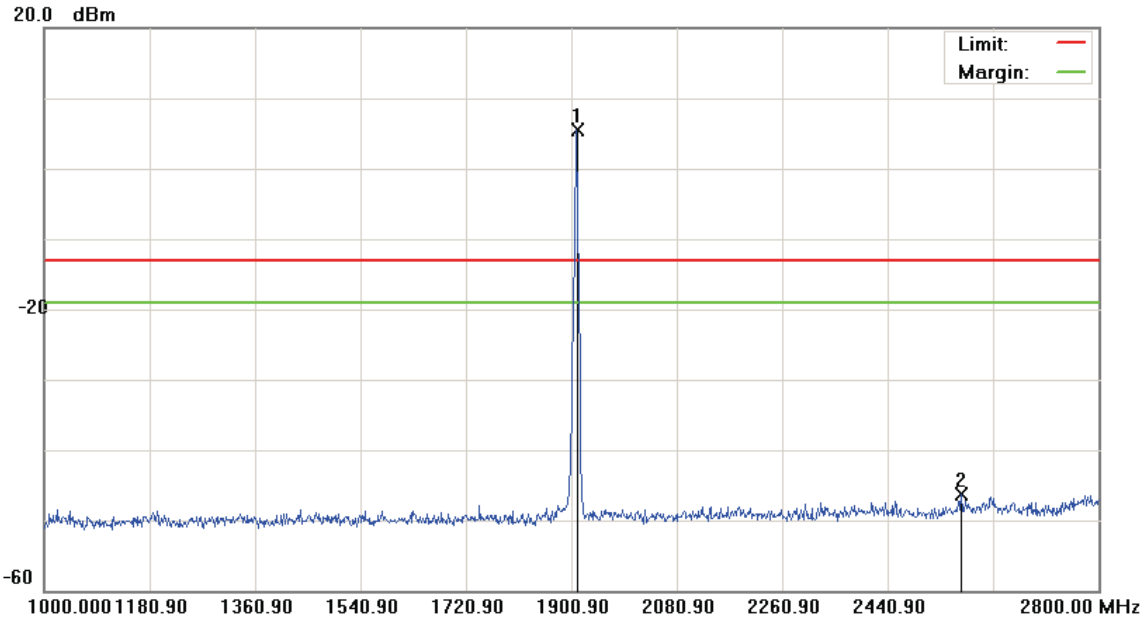
Polarization: *Conducted po*
Power: AC 120V/60Hz
Distance:

Temperature: 23 ℃
Humidity: 55.2 %
RBW: 1000 KHz VBW: 1000 KHz

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	Detector	cm	degree	Comment
1	*	423.8250	-51.76	13.24	-38.52	-13.00	-25.52	peak			

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

File :AC771S(CH1175) Data :#3 Date: 2013/2/25 Time: 下午 10:38:55



Site: : RF Conducted
Limit: FCC Part 24 conducted(9k-26.5G)
EUT: Wireless Mobile HotSpot
M/N: AirCard 771S
Mode: CDMA 1900
Note: CH 1175

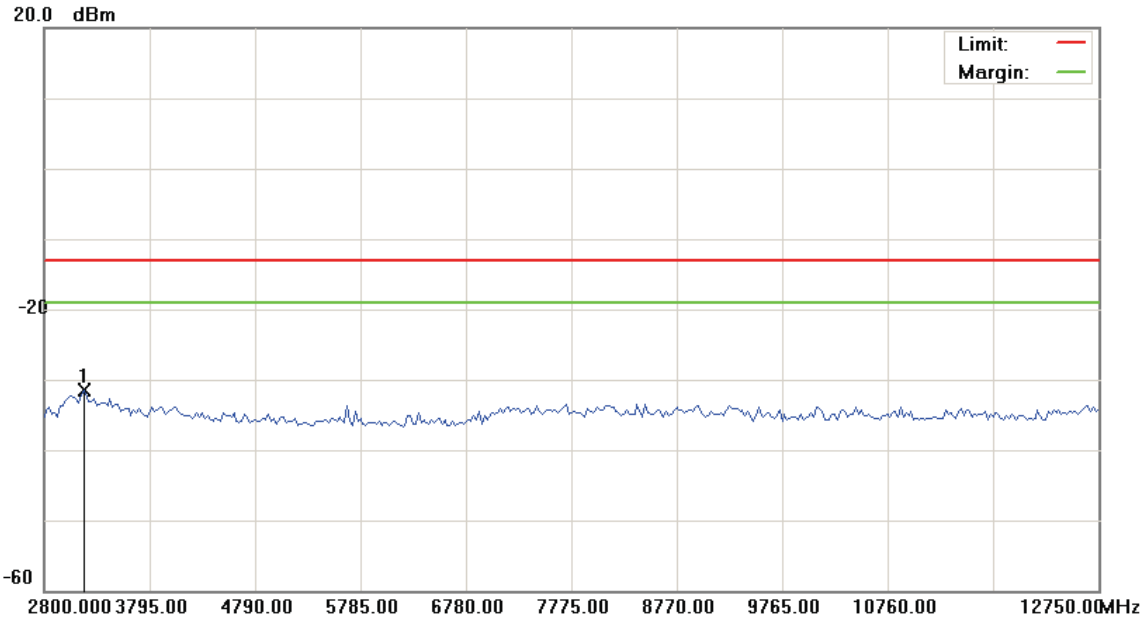
Polarization: *Conducted po*
Power: AC 120V/60Hz
Distance:

Temperature: 23 ℃
Humidity: 55.2 %
RBW: 1000 KHz VBW: 1000 KHz

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	Detector	cm	degree	Comment
1	*	1909.900	-0.19	5.71	5.52	-13.00	18.52	peak			Tx
2		2566.000	-51.64	5.32	-46.32	-13.00	-33.32	peak			

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

File :AC771S(CH1175) Data :#4 Date: 2013/2/25 Time: 下午 11:00:45



Site: : RF Conducted
Limit: FCC Part 24 conducted(9k-26.5G)
EUT: Wireless Mobile HotSpot
M/N: AirCard 771S
Mode: CDMA 1900
Note: CH 1175

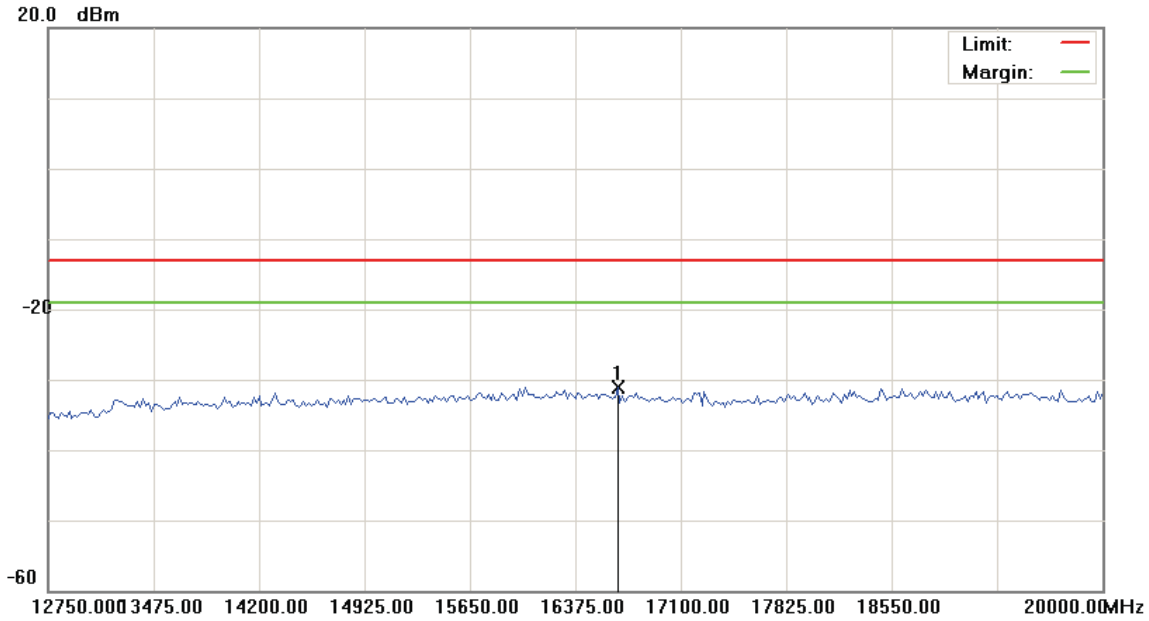
Polarization: *Conducted po*
Power: AC 120V/60Hz
Distance:

Temperature: 23 ℃
Humidity: 55.2 %
RBW: 1000 KHz VBW: 1000 KHz

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	Detector	cm	degree	Comment
1	*	3173.125	-36.78	5.25	-31.53	-13.00	-18.53	peak			

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

File :AC771S(CH1175) Data :#5 Date: 2013/2/25 Time: 下午 11:01:04



Site: : RF Conducted
Limit: FCC Part 24 conducted(9k-26.5G)
EUT: Wireless Mobile HotSpot
M/N: AirCard 771S
Mode: CDMA 1900
Note: CH 1175

Polarization: *Conducted po*
Power: AC 120V/60Hz
Distance:

Temperature: 23 ℃
Humidity: 55.2 %
RBW: 1000 KHz VBW: 1000 KHz

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	Detector	cm	degree	Comment
1	*	16665.000	-37.62	6.49	-31.13	-13.00	-18.13	peak			

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

7 Field Strength of Spurious Radiation 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 + 10log(P) dB.

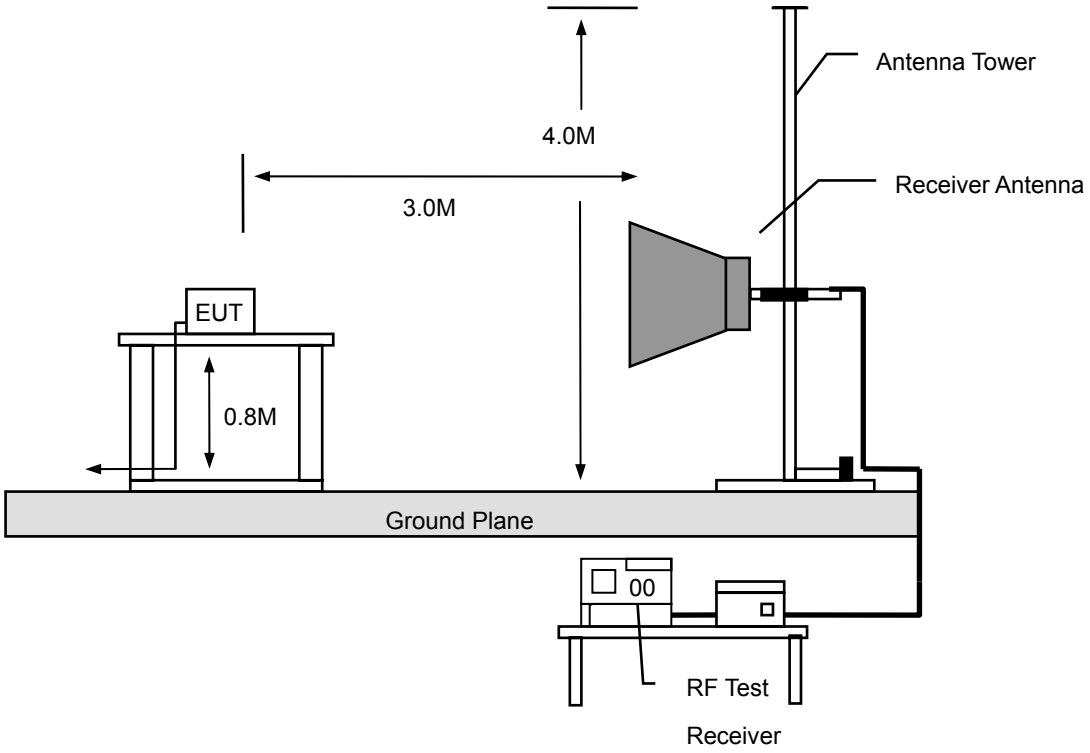
It is measured by means of a calibrated spectrum analyzer and scanned from 30 MHz up to a frequency including its 10th harmonic.

7.2. Test Instruments

3 Meter Chamber					
Equipment	Manufacturer	Model Number	Serial Number	Cal. Date	Remark
RF Pre-selector	Agilent	N9039A	MY46520256	01/21/2013	(2)
Spectrum Analyzer	Agilent	E4446A	MY46180578	01/21/2013	(1)
Pre Amplifier	Agilent	8449B	3008A02237	02/21/2013	(1)
Pre Amplifier	Agilent	8447D	2944A10961	02/21/2013	(1)
Broadband Antenna (30MHz~1GHz)	SCHWARZBECK MESS-ELEKTRONIK	VULB9163	9163-270	06/29/2012	(1)
Horn Antenna (1~18GHz)	SCHWARZBECK MESS-ELEKTRONIK	BBHA9120D	9120D-550	06/15/2012	(1)
Horn Antenna (18~40GHz)	SCHWARZBECK MESS-ELEKTRONIK	BBHA9170	9170-320	06/21/2012	(1)
Test Site	ATL	TE01	888001	08/28/2012	(1)

Remark: (1) Calibration period 1 year. (2) Calibration period 2 years.
Note: N.C.R. = No Calibration Request.

7.3. Setup



7.4. 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.

Pre Scan has been conducted and radiation three axis to determine the worst case mode all possible combinations between available modulations.

A nonconductive material surrounded the EUT to supporting the EUT for standing on tree 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 pre meter (uV/m).
The actual field intensity in decibels referenced to 1 microvolt in to field intensity in micro colts per meter (dBuV/m).
The actual field is intensity in 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) 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) 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

7.5. Uncertainty

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

7.6. Test Result

Standard:	FCC Part 22	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AirCard 771S	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	1	Date:	03/02/2013
Frequency:	824.2 MHz	Test By:	Fly Lu

Frequency (MHz)	Reading (dBm)	Correct Factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	Ant.Polar. H / V
160.0000	-70.02	1.45	-68.57	-13.00	-55.57	peak	H
200.0000	-70.99	2.95	-68.04	-13.00	-55.04	peak	H
390.0000	-72.64	1.66	-70.98	-13.00	-57.98	peak	H
565.0000	-73.98	7.76	-66.22	-13.00	-53.22	peak	H
654.5000	-76.62	7.07	-69.55	-13.00	-56.55	peak	H
791.5000	-72.20	10.78	-61.42	-13.00	-48.42	peak	H
2908.000	-69.02	17.51	-51.51	-13.00	-38.51	peak	H
5308.000	-72.37	25.17	-47.20	-13.00	-34.20	peak	H
7264.000	-72.09	33.24	-38.85	-13.00	-25.85	peak	H
130.5000	-70.19	14.09	-56.10	-13.00	-43.10	peak	V
200.0000	-71.99	10.15	-61.84	-13.00	-48.84	peak	V
365.5000	-73.23	2.21	-71.02	-13.00	-58.02	peak	V
497.0000	-75.14	2.69	-72.45	-13.00	-59.45	peak	V
598.0000	-77.97	7.29	-70.68	-13.00	-57.68	peak	V
759.0000	-78.37	10.94	-67.43	-13.00	-54.43	peak	V
2800.000	-68.94	18.79	-50.15	-13.00	-37.15	peak	V
5044.000	-71.46	27.18	-44.28	-13.00	-31.28	peak	V
7084.000	-70.89	30.65	-40.24	-13.00	-27.24	peak	V

Standard:	FCC Part 22	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AirCard 771S	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	1	Date:	03/02/2013
Frequency:	836.6 MHz	Test By:	Fly Lu

Frequency (MHz)	Reading (dBm)	Correct Factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	Ant.Polar. H / V
163.0000	-67.58	-0.88	-68.46	-13.00	-55.46	peak	H
234.0000	-73.87	-1.38	-75.25	-13.00	-62.25	peak	H
364.5000	-72.14	0.21	-71.93	-13.00	-58.93	peak	H
458.0000	-76.02	4.55	-71.47	-13.00	-58.47	peak	H
565.0000	-72.65	7.76	-64.89	-13.00	-51.89	peak	H
732.0000	-76.91	7.91	-69.00	-13.00	-56.00	peak	H
3100.000	-67.98	18.01	-49.97	-13.00	-36.97	peak	H
5440.000	-71.25	25.77	-45.48	-13.00	-32.48	peak	H
7180.000	-71.59	33.06	-38.53	-13.00	-25.53	peak	H
130.5000	-68.02	14.09	-53.93	-13.00	-40.93	peak	V
204.5000	-71.20	9.62	-61.58	-13.00	-48.58	peak	V
365.5000	-72.89	2.21	-70.68	-13.00	-57.68	peak	V
499.0000	-73.76	2.72	-71.04	-13.00	-58.04	peak	V
631.5000	-77.54	8.74	-68.80	-13.00	-55.80	peak	V
760.0000	-77.91	10.96	-66.95	-13.00	-53.95	peak	V
3328.000	-69.55	22.12	-47.43	-13.00	-34.43	peak	V
5464.000	-71.62	27.80	-43.82	-13.00	-30.82	peak	V
7120.000	-71.53	30.70	-40.83	-13.00	-27.83	peak	V

Standard:	FCC Part 22	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AirCard 771S	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	1	Date:	03/02/2013
Frequency:	848.8 MHz	Test By:	Fly Lu

Frequency (MHz)	Reading (dBm)	Correct Factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	Ant.Polar. H / V
161.5000	-67.60	0.28	-67.32	-13.00	-54.32	peak	H
204.0000	-69.19	2.02	-67.17	-13.00	-54.17	peak	H
364.5000	-72.04	0.21	-71.83	-13.00	-58.83	peak	H
499.0000	-76.80	6.91	-69.89	-13.00	-56.89	peak	H
598.5000	-76.85	7.91	-68.94	-13.00	-55.94	peak	H
729.0000	-77.68	7.81	-69.87	-13.00	-56.87	peak	H
3232.000	-68.94	18.36	-50.58	-13.00	-37.58	peak	H
5260.000	-70.08	24.95	-45.13	-13.00	-32.13	peak	H
7372.000	-72.50	33.49	-39.01	-13.00	-26.01	peak	H
129.0000	-72.32	13.37	-58.95	-13.00	-45.95	peak	V
200.0000	-72.73	10.15	-62.58	-13.00	-49.58	peak	V
285.5000	-74.58	1.40	-73.18	-13.00	-60.18	peak	V
429.5000	-70.23	1.39	-68.84	-13.00	-55.84	peak	V
598.0000	-77.44	7.29	-70.15	-13.00	-57.15	peak	V
731.0000	-79.28	10.66	-68.62	-13.00	-55.62	peak	V
2884.000	-69.00	19.39	-49.61	-13.00	-36.61	peak	V
5248.000	-71.32	27.47	-43.85	-13.00	-30.85	peak	V
7168.000	-72.10	30.75	-41.35	-13.00	-28.35	peak	V

Standard:	FCC Part 24	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AirCard 771S	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	2	Date:	03/02/2013
Frequency:	1850.2 MHz	Test By:	Fly Lu

Frequency (MHz)	Reading (dBm)	Correct Factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	Ant.Polar. H / V
161.5000	-67.16	0.28	-66.88	-13.00	-53.88	peak	H
307.0000	-80.36	-1.85	-82.21	-13.00	-69.21	peak	H
404.5000	-79.58	2.75	-76.83	-13.00	-63.83	peak	H
582.0000	-79.99	7.64	-72.35	-13.00	-59.35	peak	H
746.0000	-81.53	8.47	-73.06	-13.00	-60.06	peak	H
863.0000	-80.93	13.05	-67.88	-13.00	-54.88	peak	H
2836.000	-68.72	17.33	-51.39	-13.00	-38.39	peak	H
5284.000	-71.97	25.07	-46.90	-13.00	-33.90	peak	H
7276.000	-72.18	33.28	-38.90	-13.00	-25.90	peak	H
134.5000	-73.42	11.93	-61.49	-13.00	-48.49	peak	V
302.5000	-81.08	2.49	-78.59	-13.00	-65.59	peak	V
452.5000	-80.10	1.61	-78.49	-13.00	-65.49	peak	V
622.0000	-80.67	8.87	-71.80	-13.00	-58.80	peak	V
731.5000	-79.93	10.65	-69.28	-13.00	-56.28	peak	V
928.5000	-81.22	12.24	-68.98	-13.00	-55.98	peak	V
3016.000	-68.10	20.32	-47.78	-13.00	-34.78	peak	V
5212.000	-71.86	27.43	-44.43	-13.00	-31.43	peak	V
7420.000	-71.92	31.00	-40.92	-13.00	-27.92	peak	V

Standard:	FCC Part 24	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AirCard 771S	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	2	Date:	03/02/2013
Frequency:	1880.0 MHz	Test By:	Fly Lu

Frequency (MHz)	Reading (dBm)	Correct Factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	Ant.Polar. H / V
162.0000	-68.25	-0.11	-68.36	-13.00	-55.36	peak	H
350.5000	-81.71	-0.23	-81.94	-13.00	-68.94	peak	H
518.0000	-81.38	7.58	-73.80	-13.00	-60.80	peak	H
646.0000	-80.99	6.92	-74.07	-13.00	-61.07	peak	H
818.5000	-80.57	11.87	-68.70	-13.00	-55.70	peak	H
950.5000	-81.40	14.85	-66.55	-13.00	-53.55	peak	H
2776.000	-69.23	17.18	-52.05	-13.00	-39.05	peak	H
5188.000	-72.20	24.63	-47.57	-13.00	-34.57	peak	H
7384.000	-71.80	33.51	-38.29	-13.00	-25.29	peak	H
131.5000	-74.36	13.57	-60.79	-13.00	-47.79	peak	V
290.0000	-79.90	1.81	-78.09	-13.00	-65.09	peak	V
373.0000	-80.81	1.91	-78.90	-13.00	-65.90	peak	V
541.5000	-79.43	4.28	-75.15	-13.00	-62.15	peak	V
712.0000	-81.20	10.59	-70.61	-13.00	-57.61	peak	V
855.5000	-81.21	11.55	-69.66	-13.00	-56.66	peak	V
2992.000	-67.49	20.17	-47.32	-13.00	-34.32	peak	V
5188.000	-70.78	27.39	-43.39	-13.00	-30.39	peak	V
7204.000	-71.30	30.77	-40.53	-13.00	-27.53	peak	V

Standard:	FCC Part 24	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AirCard 771S	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	2	Date:	03/02/2013
Frequency:	1909.8 MHz	Test By:	Fly Lu

Frequency (MHz)	Reading (dBm)	Correct Factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	Ant.Polar. H / V
160.5000	-68.74	1.05	-67.69	-13.00	-54.69	peak	H
273.0000	-81.57	-4.33	-85.90	-13.00	-72.90	peak	H
425.5000	-81.27	3.55	-77.72	-13.00	-64.72	peak	H
610.5000	-81.23	7.82	-73.41	-13.00	-60.41	peak	H
760.5000	-80.83	9.11	-71.72	-13.00	-58.72	peak	H
900.0000	-81.83	14.06	-67.77	-13.00	-54.77	peak	H
3172.000	-68.56	18.20	-50.36	-13.00	-37.36	peak	H
5368.000	-71.42	25.45	-45.97	-13.00	-32.97	peak	H
7396.000	-72.25	33.55	-38.70	-13.00	-25.70	peak	H
129.5000	-75.01	13.88	-61.13	-13.00	-48.13	peak	V
321.0000	-79.83	1.05	-78.78	-13.00	-65.78	peak	V
460.0000	-80.11	1.71	-78.40	-13.00	-65.40	peak	V
619.5000	-79.57	8.85	-70.72	-13.00	-57.72	peak	V
745.5000	-81.08	10.61	-70.47	-13.00	-57.47	peak	V
875.5000	-81.53	11.05	-70.48	-13.00	-57.48	peak	V
3112.000	-67.64	20.87	-46.77	-13.00	-33.77	peak	V
5248.000	-71.49	27.47	-44.02	-13.00	-31.02	peak	V
7420.000	-71.52	31.00	-40.52	-13.00	-27.52	peak	V

Standard:	FCC Part 24	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AirCard 771S	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	5	Date:	03/02/2013
Frequency:	1852.4 MHz	Test By:	Fly Lu

Frequency (MHz)	Reading (dBm)	Correct Factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	Ant.Polar. H / V
158.0000	-69.32	0.82	-68.50	-13.00	-55.50	peak	H
290.0000	-78.58	-3.35	-81.93	-13.00	-68.93	peak	H
412.0000	-80.73	3.07	-77.66	-13.00	-64.66	peak	H
588.0000	-80.88	7.73	-73.15	-13.00	-60.15	peak	H
726.5000	-81.44	7.72	-73.72	-13.00	-60.72	peak	H
863.0000	-81.23	13.05	-68.18	-13.00	-55.18	peak	H
3064.000	-68.00	17.92	-50.08	-13.00	-37.08	peak	H
5044.000	-72.24	23.97	-48.27	-13.00	-35.27	peak	H
6772.000	-72.44	31.66	-40.78	-13.00	-27.78	peak	H
130.0000	-73.74	14.37	-59.37	-13.00	-46.37	peak	V
295.5000	-81.97	2.31	-79.66	-13.00	-66.66	peak	V
495.0000	-81.46	2.66	-78.80	-13.00	-65.80	peak	V
641.5000	-80.63	8.68	-71.95	-13.00	-58.95	peak	V
799.0000	-82.40	11.84	-70.56	-13.00	-57.56	peak	V
910.0000	-81.58	11.23	-70.35	-13.00	-57.35	peak	V
2848.000	-69.33	19.13	-50.20	-13.00	-37.20	peak	V
4816.000	-70.47	26.78	-43.69	-13.00	-30.69	peak	V
6400.000	-72.53	28.94	-43.59	-13.00	-30.59	peak	V

Standard:	FCC Part 24	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AirCard 771S	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	5	Date:	03/02/2013
Frequency:	1880.0 MHz	Test By:	Fly Lu

Frequency (MHz)	Reading (dBm)	Correct Factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	Ant.Polar. H / V
160.5000	-67.79	1.05	-66.74	-13.00	-53.74	peak	H
340.5000	-81.70	-0.54	-82.24	-13.00	-69.24	peak	H
482.0000	-80.50	5.85	-74.65	-13.00	-61.65	peak	H
659.0000	-80.58	7.15	-73.43	-13.00	-60.43	peak	H
773.0000	-81.27	9.81	-71.46	-13.00	-58.46	peak	H
936.0000	-82.08	14.84	-67.24	-13.00	-54.24	peak	H
2860.000	-68.55	17.39	-51.16	-13.00	-38.16	peak	H
5104.000	-72.26	24.24	-48.02	-13.00	-35.02	peak	H
6652.000	-72.10	31.13	-40.97	-13.00	-27.97	peak	H
131.0000	-73.83	13.83	-60.00	-13.00	-47.00	peak	V
295.5000	-81.38	2.31	-79.07	-13.00	-66.07	peak	V
449.0000	-80.81	1.56	-79.25	-13.00	-66.25	peak	V
588.5000	-81.82	6.56	-75.26	-13.00	-62.26	peak	V
702.5000	-81.25	10.27	-70.98	-13.00	-57.98	peak	V
854.5000	-82.20	11.54	-70.66	-13.00	-57.66	peak	V
3040.000	-68.07	20.46	-47.61	-13.00	-34.61	peak	V
5260.000	-70.85	27.49	-43.36	-13.00	-30.36	peak	V
7396.000	-72.80	30.98	-41.82	-13.00	-28.82	peak	V

Standard:	FCC Part 24	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AirCard 771S	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	5	Date:	03/02/2013
Frequency:	1907.6 MHz	Test By:	Fly Lu

Frequency (MHz)	Reading (dBm)	Correct Factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	Ant.Polar. H / V
160.5000	-69.44	1.05	-68.39	-13.00	-55.39	peak	H
278.5000	-78.52	-4.34	-82.86	-13.00	-69.86	peak	H
419.0000	-81.47	3.39	-78.08	-13.00	-65.08	peak	H
585.0000	-80.53	7.69	-72.84	-13.00	-59.84	peak	H
734.0000	-81.00	7.99	-73.01	-13.00	-60.01	peak	H
896.5000	-81.91	13.92	-67.99	-13.00	-54.99	peak	H
2884.000	-69.68	17.45	-52.23	-13.00	-39.23	peak	H
4768.000	-70.28	22.52	-47.76	-13.00	-34.76	peak	H
6448.000	-72.23	30.22	-42.01	-13.00	-29.01	peak	H
138.5000	-70.05	9.75	-60.30	-13.00	-47.30	peak	V
282.0000	-82.39	1.09	-81.30	-13.00	-68.30	peak	V
402.5000	-81.38	1.33	-80.05	-13.00	-67.05	peak	V
577.0000	-81.59	5.70	-75.89	-13.00	-62.89	peak	V
673.5000	-79.77	9.51	-70.26	-13.00	-57.26	peak	V
870.0000	-81.06	11.25	-69.81	-13.00	-56.81	peak	V
2872.000	-68.89	19.30	-49.59	-13.00	-36.59	peak	V
4768.000	-70.63	26.69	-43.94	-13.00	-30.94	peak	V
6640.000	-72.69	29.59	-43.10	-13.00	-30.10	peak	V

Standard:	FCC Part 22	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AirCard 771S	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	6	Date:	03/02/2013
Frequency:	826.4 MHz	Test By:	Fly Lu

Frequency (MHz)	Reading (dBm)	Correct Factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	Ant.Polar. H / V
159.5000	-68.28	1.30	-66.98	-13.00	-53.98	peak	H
312.0000	-74.13	-1.49	-75.62	-13.00	-62.62	peak	H
390.0000	-73.22	1.66	-71.56	-13.00	-58.56	peak	H
565.0000	-72.94	7.76	-65.18	-13.00	-52.18	peak	H
673.0000	-76.70	7.07	-69.63	-13.00	-56.63	peak	H
780.0000	-76.24	10.19	-66.05	-13.00	-53.05	peak	H
3076.000	-67.87	17.94	-49.93	-13.00	-36.93	peak	H
5188.000	-71.89	24.63	-47.26	-13.00	-34.26	peak	H
7372.000	-72.11	33.49	-38.62	-13.00	-25.62	peak	H
129.5000	-70.40	13.88	-56.52	-13.00	-43.52	peak	V
200.0000	-73.28	10.15	-63.13	-13.00	-50.13	peak	V
366.0000	-72.37	2.19	-70.18	-13.00	-57.18	peak	V
499.0000	-75.16	2.72	-72.44	-13.00	-59.44	peak	V
644.0000	-78.99	8.77	-70.22	-13.00	-57.22	peak	V
755.0000	-78.62	10.84	-67.78	-13.00	-54.78	peak	V
3364.000	-69.71	22.32	-47.39	-13.00	-34.39	peak	V
5260.000	-72.24	27.49	-44.75	-13.00	-31.75	peak	V
6748.000	-71.91	29.89	-42.02	-13.00	-29.02	peak	V

Standard:	FCC Part 22	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AirCard 771S	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	6	Date:	03/02/2013
Frequency:	836.6 MHz	Test By:	Fly Lu

Frequency (MHz)	Reading (dBm)	Correct Factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	Ant.Polar. H / V
160.5000	-68.51	1.05	-67.46	-13.00	-54.46	peak	H
234.0000	-72.37	-1.38	-73.75	-13.00	-60.75	peak	H
390.0000	-73.86	1.66	-72.20	-13.00	-59.20	peak	H
540.5000	-74.82	8.25	-66.57	-13.00	-53.57	peak	H
670.0000	-75.04	7.08	-67.96	-13.00	-54.96	peak	H
760.0000	-76.00	9.09	-66.91	-13.00	-53.91	peak	H
2692.000	-68.74	16.96	-51.78	-13.00	-38.78	peak	H
4816.000	-71.55	22.78	-48.77	-13.00	-35.77	peak	H
6484.000	-72.45	30.39	-42.06	-13.00	-29.06	peak	H
130.5000	-71.07	14.09	-56.98	-13.00	-43.98	peak	V
200.0000	-72.29	10.15	-62.14	-13.00	-49.14	peak	V
365.5000	-73.28	2.21	-71.07	-13.00	-58.07	peak	V
499.5000	-75.46	2.73	-72.73	-13.00	-59.73	peak	V
666.0000	-79.89	9.45	-70.44	-13.00	-57.44	peak	V
780.0000	-78.85	11.28	-67.57	-13.00	-54.57	peak	V
2956.000	-67.47	19.90	-47.57	-13.00	-34.57	peak	V
4720.000	-70.22	26.61	-43.61	-13.00	-30.61	peak	V
6220.000	-71.88	28.41	-43.47	-13.00	-30.47	peak	V

Standard:	FCC Part 22	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AirCard 771S	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	6	Date:	03/02/2013
Frequency:	846.6 MHz	Test By:	Fly Lu

Frequency (MHz)	Reading (dBm)	Correct Factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	Ant.Polar. H / V
162.0000	-67.69	-0.11	-67.80	-13.00	-54.80	peak	H
312.0000	-74.82	-1.49	-76.31	-13.00	-63.31	peak	H
390.0000	-73.34	1.66	-71.68	-13.00	-58.68	peak	H
565.0000	-71.81	7.76	-64.05	-13.00	-51.05	peak	H
680.0000	-76.77	7.02	-69.75	-13.00	-56.75	peak	H
760.0000	-77.16	9.09	-68.07	-13.00	-55.07	peak	H
2836.000	-68.99	17.33	-51.66	-13.00	-38.66	peak	H
4708.000	-70.46	22.19	-48.27	-13.00	-35.27	peak	H
6316.000	-72.51	29.59	-42.92	-13.00	-29.92	peak	H
130.5000	-71.08	14.09	-56.99	-13.00	-43.99	peak	V
201.5000	-71.52	9.97	-61.55	-13.00	-48.55	peak	V
366.0000	-72.92	2.19	-70.73	-13.00	-57.73	peak	V
498.5000	-74.44	2.71	-71.73	-13.00	-58.73	peak	V
632.0000	-78.08	8.72	-69.36	-13.00	-56.36	peak	V
760.0000	-78.62	10.96	-67.66	-13.00	-54.66	peak	V
2740.000	-68.69	18.35	-50.34	-13.00	-37.34	peak	V
4672.000	-69.90	26.52	-43.38	-13.00	-30.38	peak	V
6400.000	-71.88	28.94	-42.94	-13.00	-29.94	peak	V

Standard:	FCC Part 22	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AirCard 771S	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	7	Date:	03/02/2013
Frequency:	824.70 MHz	Test By:	Fly Lu

Frequency (MHz)	Reading (dBm)	Correct Factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	Ant.Polar. H / V
164.5000	-65.57	-2.05	-67.62	-13.00	-54.62	peak	H
234.0000	-72.97	-1.38	-74.35	-13.00	-61.35	peak	H
366.0000	-73.49	0.26	-73.23	-13.00	-60.23	peak	H
524.0000	-76.77	7.78	-68.99	-13.00	-55.99	peak	H
598.5000	-75.54	7.91	-67.63	-13.00	-54.63	peak	H
730.5000	-76.91	7.87	-69.04	-13.00	-56.04	peak	H
3064.000	-67.47	17.92	-49.55	-13.00	-36.55	peak	H
4816.000	-71.83	22.78	-49.05	-13.00	-36.05	peak	H
6484.000	-72.40	30.39	-42.01	-13.00	-29.01	peak	H
128.5000	-69.61	12.88	-56.73	-13.00	-43.73	peak	V
200.0000	-73.57	10.15	-63.42	-13.00	-50.42	peak	V
365.5000	-71.40	2.21	-69.19	-13.00	-56.19	peak	V
487.0000	-74.92	2.51	-72.41	-13.00	-59.41	peak	V
624.0000	-79.79	8.83	-70.96	-13.00	-57.96	peak	V
743.0000	-78.54	10.56	-67.98	-13.00	-54.98	peak	V
2884.000	-68.35	19.39	-48.96	-13.00	-35.96	peak	V
4780.000	-70.60	26.70	-43.90	-13.00	-30.90	peak	V
7228.000	-72.08	30.81	-41.27	-13.00	-28.27	peak	V

Standard:	FCC Part 22	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AirCard 771S	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	7	Date:	03/02/2013
Frequency:	836.52 MHz	Test By:	Fly Lu

Frequency (MHz)	Reading (dBm)	Correct Factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	Ant.Polar. H / V
160.5000	-68.07	1.05	-67.02	-13.00	-54.02	peak	H
234.0000	-73.01	-1.38	-74.39	-13.00	-61.39	peak	H
390.0000	-72.23	1.66	-70.57	-13.00	-57.57	peak	H
538.5000	-75.67	8.20	-67.47	-13.00	-54.47	peak	H
599.5000	-77.16	7.94	-69.22	-13.00	-56.22	peak	H
764.0000	-74.50	9.32	-65.18	-13.00	-52.18	peak	H
3232.000	-69.54	18.36	-51.18	-13.00	-38.18	peak	H
4696.000	-71.16	22.13	-49.03	-13.00	-36.03	peak	H
6448.000	-72.81	30.22	-42.59	-13.00	-29.59	peak	H
130.5000	-71.11	14.09	-57.02	-13.00	-44.02	peak	V
200.0000	-74.56	10.15	-64.41	-13.00	-51.41	peak	V
365.0000	-71.75	2.23	-69.52	-13.00	-56.52	peak	V
498.5000	-75.71	2.71	-73.00	-13.00	-60.00	peak	V
631.5000	-79.43	8.74	-70.69	-13.00	-57.69	peak	V
726.5000	-79.15	10.74	-68.41	-13.00	-55.41	peak	V
2776.000	-69.49	18.62	-50.87	-13.00	-37.87	peak	V
4636.000	-70.65	26.44	-44.21	-13.00	-31.21	peak	V
6352.000	-72.44	28.79	-43.65	-13.00	-30.65	peak	V

Standard:	FCC Part 22	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AirCard 771S	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	7	Date:	03/02/2013
Frequency:	848.31 MHz	Test By:	Fly Lu

Frequency (MHz)	Reading (dBm)	Correct Factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	Ant.Polar. H / V
161.5000	-65.81	0.28	-65.53	-13.00	-52.53	peak	H
234.0000	-72.69	-1.38	-74.07	-13.00	-61.07	peak	H
390.0000	-73.26	1.66	-71.60	-13.00	-58.60	peak	H
498.5000	-77.29	6.87	-70.42	-13.00	-57.42	peak	H
598.0000	-76.44	7.90	-68.54	-13.00	-55.54	peak	H
760.0000	-76.43	9.09	-67.34	-13.00	-54.34	peak	H
2932.000	-68.54	17.57	-50.97	-13.00	-37.97	peak	H
4684.000	-70.58	22.06	-48.52	-13.00	-35.52	peak	H
6748.000	-72.34	31.55	-40.79	-13.00	-27.79	peak	H
129.5000	-69.72	13.88	-55.84	-13.00	-42.84	peak	V
200.0000	-74.24	10.15	-64.09	-13.00	-51.09	peak	V
366.0000	-72.46	2.19	-70.27	-13.00	-57.27	peak	V
497.0000	-75.30	2.69	-72.61	-13.00	-59.61	peak	V
647.0000	-78.74	8.89	-69.85	-13.00	-56.85	peak	V
750.5000	-79.62	10.73	-68.89	-13.00	-55.89	peak	V
2980.000	-68.45	20.08	-48.37	-13.00	-35.37	peak	V
5380.000	-71.69	27.67	-44.02	-13.00	-31.02	peak	V
6568.000	-72.37	29.41	-42.96	-13.00	-29.96	peak	V

Standard:	FCC Part 24	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AirCard 771S	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	8	Date:	03/02/2013
Frequency:	1851.25 MHz	Test By:	Fly Lu

Frequency (MHz)	Reading (dBm)	Correct Factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	Ant.Polar. H / V
161.0000	-68.18	0.68	-67.50	-13.00	-54.50	peak	H
292.5000	-79.50	-3.10	-82.60	-13.00	-69.60	peak	H
446.5000	-80.93	4.14	-76.79	-13.00	-63.79	peak	H
597.5000	-80.85	7.90	-72.95	-13.00	-59.95	peak	H
749.5000	-80.48	8.63	-71.85	-13.00	-58.85	peak	H
870.5000	-80.42	13.13	-67.29	-13.00	-54.29	peak	H
2824.000	-68.57	17.29	-51.28	-13.00	-38.28	peak	H
4708.000	-70.98	22.19	-48.79	-13.00	-35.79	peak	H
6412.000	-71.93	30.04	-41.89	-13.00	-28.89	peak	H
131.0000	-75.50	13.83	-61.67	-13.00	-48.67	peak	V
298.0000	-82.55	2.53	-80.02	-13.00	-67.02	peak	V
432.5000	-81.11	1.41	-79.70	-13.00	-66.70	peak	V
597.5000	-82.03	7.26	-74.77	-13.00	-61.77	peak	V
746.0000	-81.87	10.63	-71.24	-13.00	-58.24	peak	V
878.0000	-81.87	10.96	-70.91	-13.00	-57.91	peak	V
2776.000	-69.47	18.62	-50.85	-13.00	-37.85	peak	V
5344.000	-71.13	27.62	-43.51	-13.00	-30.51	peak	V
6832.000	-71.80	30.13	-41.67	-13.00	-28.67	peak	V

Standard:	FCC Part 24	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AirCard 771S	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	8	Date:	03/02/2013
Frequency:	1880.00 MHz	Test By:	Fly Lu

Frequency (MHz)	Reading (dBm)	Correct Factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	Ant.Polar. H / V
161.5000	-66.83	0.28	-66.55	-13.00	-53.55	peak	H
298.5000	-81.66	-2.51	-84.17	-13.00	-71.17	peak	H
473.0000	-81.72	5.35	-76.37	-13.00	-63.37	peak	H
618.0000	-81.30	7.72	-73.58	-13.00	-60.58	peak	H
767.0000	-82.27	9.47	-72.80	-13.00	-59.80	peak	H
839.0000	-81.77	12.10	-69.67	-13.00	-56.67	peak	H
3340.000	-69.68	18.66	-51.02	-13.00	-38.02	peak	H
5344.000	-70.86	25.34	-45.52	-13.00	-32.52	peak	H
6736.000	-72.11	31.50	-40.61	-13.00	-27.61	peak	H
132.0000	-74.02	13.29	-60.73	-13.00	-47.73	peak	V
304.5000	-81.27	2.33	-78.94	-13.00	-65.94	peak	V
449.0000	-80.26	1.56	-78.70	-13.00	-65.70	peak	V
611.5000	-80.48	8.28	-72.20	-13.00	-59.20	peak	V
768.5000	-80.44	11.10	-69.34	-13.00	-56.34	peak	V
873.5000	-81.94	11.12	-70.82	-13.00	-57.82	peak	V
2740.000	-69.99	18.35	-51.64	-13.00	-38.64	peak	V
5248.000	-71.20	27.47	-43.73	-13.00	-30.73	peak	V
6820.000	-71.83	30.10	-41.73	-13.00	-28.73	peak	V

Standard:	FCC Part 24	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AirCard 771S	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	8	Date:	03/02/2013
Frequency:	1908.75 MHz	Test By:	Fly Lu

Frequency (MHz)	Reading (dBm)	Correct Factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	Ant.Polar. H / V
160.0000	-66.09	1.45	-64.64	-13.00	-51.64	peak	H
292.5000	-80.42	-3.10	-83.52	-13.00	-70.52	peak	H
456.0000	-79.86	4.48	-75.38	-13.00	-62.38	peak	H
598.5000	-80.73	7.91	-72.82	-13.00	-59.82	peak	H
737.0000	-81.74	8.09	-73.65	-13.00	-60.65	peak	H
872.0000	-81.78	13.13	-68.65	-13.00	-55.65	peak	H
3508.000	-70.40	19.09	-51.31	-13.00	-38.31	peak	H
5404.000	-71.58	25.62	-45.96	-13.00	-32.96	peak	H
6820.000	-72.39	31.88	-40.51	-13.00	-27.51	peak	H
128.5000	-73.81	12.88	-60.93	-13.00	-47.93	peak	V
279.5000	-82.79	0.85	-81.94	-13.00	-68.94	peak	V
386.5000	-80.91	1.53	-79.38	-13.00	-66.38	peak	V
547.0000	-80.77	4.30	-76.47	-13.00	-63.47	peak	V
713.5000	-81.44	10.64	-70.80	-13.00	-57.80	peak	V
860.5000	-81.26	11.59	-69.67	-13.00	-56.67	peak	V
3328.000	-69.40	22.12	-47.28	-13.00	-34.28	peak	V
5224.000	-71.72	27.44	-44.28	-13.00	-31.28	peak	V
6880.000	-71.62	30.24	-41.38	-13.00	-28.38	peak	V

Standard:	FCC Part 90	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AirCard 771S	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	9	Date:	03/02/2013
Frequency:	817.25 MHz	Test By:	Fly Lu

Frequency (MHz)	Reading (dBm)	Correct Factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	Ant.Polar. H / V
161.5000	-66.71	0.28	-66.43	-13.00	-53.43	peak	H
312.0000	-75.24	-1.49	-76.73	-13.00	-63.73	peak	H
415.0000	-74.94	3.21	-71.73	-13.00	-58.73	peak	H
538.5000	-74.58	8.20	-66.38	-13.00	-53.38	peak	H
672.0000	-75.19	7.07	-68.12	-13.00	-55.12	peak	H
746.5000	-75.97	8.49	-67.48	-13.00	-54.48	peak	H
3100.000	-67.73	18.01	-49.72	-13.00	-36.72	peak	H
5332.000	-71.76	25.28	-46.48	-13.00	-33.48	peak	H
6352.000	-72.73	29.76	-42.97	-13.00	-29.97	peak	H
130.5000	-69.49	14.09	-55.40	-13.00	-42.40	peak	V
200.0000	-74.47	10.15	-64.32	-13.00	-51.32	peak	V
294.0000	-77.65	2.17	-75.48	-13.00	-62.48	peak	V
429.5000	-72.33	1.39	-70.94	-13.00	-57.94	peak	V
605.5000	-80.06	7.84	-72.22	-13.00	-59.22	peak	V
702.0000	-77.90	10.25	-67.65	-13.00	-54.65	peak	V
2848.000	-69.38	19.13	-50.25	-13.00	-37.25	peak	V
4708.000	-70.02	26.57	-43.45	-13.00	-30.45	peak	V
6388.000	-73.21	28.90	-44.31	-13.00	-31.31	peak	V

Standard:	FCC Part 90	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AirCard 771S	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	9	Date:	03/02/2013
Frequency:	820.00 MHz	Test By:	Fly Lu

Frequency (MHz)	Reading (dBm)	Correct Factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	Ant.Polar. H / V
160.0000	-68.10	1.45	-66.65	-13.00	-53.65	peak	H
291.5000	-74.68	-3.19	-77.87	-13.00	-64.87	peak	H
416.0000	-75.08	3.25	-71.83	-13.00	-58.83	peak	H
565.0000	-73.98	7.76	-66.22	-13.00	-53.22	peak	H
680.0000	-77.02	7.02	-70.00	-13.00	-57.00	peak	H
773.5000	-77.54	9.83	-67.71	-13.00	-54.71	peak	H
2812.000	-68.81	17.28	-51.53	-13.00	-38.53	peak	H
4816.000	-71.31	22.78	-48.53	-13.00	-35.53	peak	H
6436.000	-72.55	30.16	-42.39	-13.00	-29.39	peak	H
130.5000	-69.18	14.09	-55.09	-13.00	-42.09	peak	V
201.5000	-73.51	9.97	-63.54	-13.00	-50.54	peak	V
365.5000	-72.23	2.21	-70.02	-13.00	-57.02	peak	V
499.0000	-74.68	2.72	-71.96	-13.00	-58.96	peak	V
617.5000	-79.58	8.71	-70.87	-13.00	-57.87	peak	V
760.0000	-78.38	10.96	-67.42	-13.00	-54.42	peak	V
3016.000	-68.41	20.32	-48.09	-13.00	-35.09	peak	V
4756.000	-70.94	26.66	-44.28	-13.00	-31.28	peak	V
6664.000	-72.17	29.66	-42.51	-13.00	-29.51	peak	V

Standard:	FCC Part 90	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	AirCard 771S	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Mode:	9	Date:	03/02/2013
Frequency:	822.75 MHz	Test By:	Fly Lu

Frequency (MHz)	Reading (dBm)	Correct Factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark	Ant.Polar. H / V
163.5000	-66.66	-1.28	-67.94	-13.00	-54.94	peak	H
234.0000	-72.52	-1.38	-73.90	-13.00	-60.90	peak	H
390.0000	-73.19	1.66	-71.53	-13.00	-58.53	peak	H
540.0000	-76.18	8.26	-67.92	-13.00	-54.92	peak	H
671.5000	-76.14	7.09	-69.05	-13.00	-56.05	peak	H
767.0000	-77.34	9.47	-67.87	-13.00	-54.87	peak	H
3100.000	-67.88	18.01	-49.87	-13.00	-36.87	peak	H
4720.000	-70.82	22.27	-48.55	-13.00	-35.55	peak	H
6532.000	-71.61	30.61	-41.00	-13.00	-28.00	peak	H
130.5000	-70.78	14.09	-56.69	-13.00	-43.69	peak	V
200.0000	-72.59	10.15	-62.44	-13.00	-49.44	peak	V
366.0000	-71.79	2.19	-69.60	-13.00	-56.60	peak	V
498.5000	-74.39	2.71	-71.68	-13.00	-58.68	peak	V
648.5000	-79.14	8.94	-70.20	-13.00	-57.20	peak	V
760.0000	-78.08	10.96	-67.12	-13.00	-54.12	peak	V
2920.000	-68.46	19.66	-48.80	-13.00	-35.80	peak	V
4792.000	-70.26	26.74	-43.52	-13.00	-30.52	peak	V
6688.000	-71.70	29.73	-41.97	-13.00	-28.97	peak	V

8 Frequency Stability (Temperature & Voltage Variation) Test

8.1. Limit

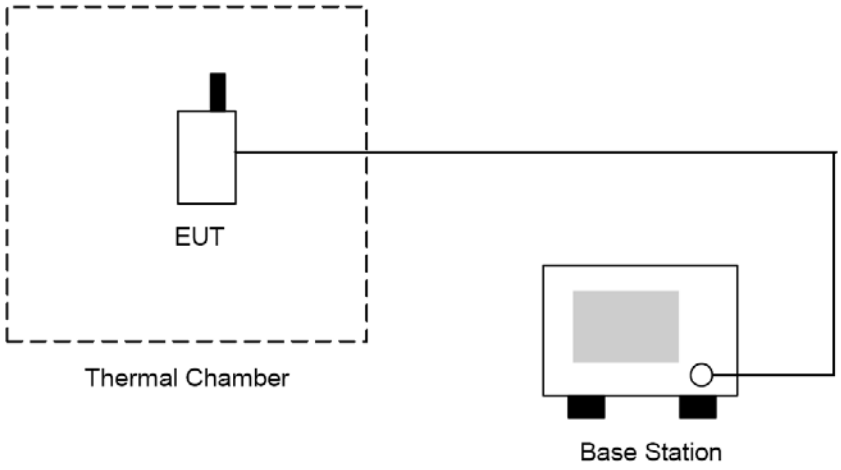
The frequency stability shall be measured by variation of ambient temperature and variation of primary supply voltage to ensure that the fundamental emission stays within the authorized frequency block. The frequency stability of the transmitter shall be maintained within ±0.00025% (±2.5ppm) of the center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

8.2. 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	08/07/2012	(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.

8.3. Setup



8.4. 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℃ 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℃ 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±5 ℃ 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.

8.5. Uncertainty

The measurement uncertainty is defined as for Frequency Stability (Temperature Variation) measurement is ± 10Hz.

8.6. Test Result

Model Number	AirCard 771S					
Test Item	Frequency Stability (Temperature & Voltage Variation)					
Test Mode	Mode 1					
Date of Test	03/01/2013				Test Site	TE05
Level	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Result
Normal	3.70	-30	21	0.025	±2.5	Pass
Normal	3.70	-20	-19	-0.023	±2.5	Pass
Normal	3.70	-10	-33	-0.039	±2.5	Pass
Normal	3.70	0	18	0.022	±2.5	Pass
Normal	3.70	10	16	0.019	±2.5	Pass
High Voltage	4.25	20	-23	-0.027	±2.5	Pass
Normal	3.70	20	19	0.023	±2.5	Pass
Battery cut-off point	3.50	20	20	0.024	±2.5	Pass
Normal	3.70	30	9	0.011	±2.5	Pass
Normal	3.70	40	6	0.007	±2.5	Pass
Normal	3.70	50	-9	-0.011	±2.5	Pass

Model Number	AirCard 771S					
Test Item	Frequency Stability (Temperature & Voltage Variation)					
Test Mode	Mode 2					
Date of Test	03/01/2013				Test Site	TE05
Level	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Result
Normal	3.70	-30	-33	-0.018	±2.5	Pass
Normal	3.70	-20	40	0.021	±2.5	Pass
Normal	3.70	-10	-51	-0.027	±2.5	Pass
Normal	3.70	0	-60	-0.032	±2.5	Pass
Normal	3.70	10	26	0.014	±2.5	Pass
High Voltage	4.25	20	21	0.011	±2.5	Pass
Normal	3.70	20	33	0.018	±2.5	Pass
Battery cut-off point	3.50	20	45	0.024	±2.5	Pass
Normal	3.70	30	21	0.011	±2.5	Pass
Normal	3.70	40	37	0.020	±2.5	Pass
Normal	3.70	50	-21	-0.011	±2.5	Pass

Model Number	AirCard 771S					
Test Item	Frequency Stability (Temperature & Voltage Variation)					
Test Mode	Mode 5					
Date of Test	03/01/2013				Test Site	TE05
Level	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Result
Normal	3.70	-30	-26	-0.014	±2.5	Pass
Normal	3.70	-20	-23	-0.012	±2.5	Pass
Normal	3.70	-10	16	0.009	±2.5	Pass
Normal	3.70	0	13	0.007	±2.5	Pass
Normal	3.70	10	22	0.012	±2.5	Pass
High Voltage	4.25	20	22	0.012	±2.5	Pass
Normal	3.70	20	-31	-0.016	±2.5	Pass
Battery cut-off point	3.50	20	26	0.014	±2.5	Pass
Normal	3.70	30	-5	-0.003	±2.5	Pass
Normal	3.70	40	-9	-0.005	±2.5	Pass
Normal	3.70	50	8	0.004	±2.5	Pass

Model Number	AirCard 771S					
Test Item	Frequency Stability (Temperature & Voltage Variation)					
Test Mode	Mode 6					
Date of Test	03/01/2013				Test Site	TE05
Level	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Result
Normal	3.70	-30	-16	-0.019	±2.5	Pass
Normal	3.70	-20	-9	-0.011	±2.5	Pass
Normal	3.70	-10	-21	-0.025	±2.5	Pass
Normal	3.70	0	6	0.007	±2.5	Pass
Normal	3.70	10	-13	-0.016	±2.5	Pass
High Voltage	4.25	20	-13	-0.016	±2.5	Pass
Normal	3.70	20	9	0.011	±2.5	Pass
Battery cut-off point	3.50	20	6	0.007	±2.5	Pass
Normal	3.70	30	-23	-0.027	±2.5	Pass
Normal	3.70	40	11	0.013	±2.5	Pass
Normal	3.70	50	12	0.014	±2.5	Pass

Model Number	AirCard 771S					
Test Item	Frequency Stability (Temperature & Voltage Variation)					
Test Mode	Mode 7					
Date of Test	03/01/2013				Test Site	TE05
Level	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Result
Normal	3.70	-30	-8	-0.010	±2.5	Pass
Normal	3.70	-20	-9	-0.011	±2.5	Pass
Normal	3.70	-10	-12	-0.014	±2.5	Pass
Normal	3.70	0	-17	-0.020	±2.5	Pass
Normal	3.70	10	-6	-0.007	±2.5	Pass
High Voltage	4.25	20	-6	-0.007	±2.5	Pass
Normal	3.70	20	9	0.011	±2.5	Pass
Battery cut-off point	3.50	20	13	0.016	±2.5	Pass
Normal	3.70	30	-21	-0.025	±2.5	Pass
Normal	3.70	40	-7	-0.008	±2.5	Pass
Normal	3.70	50	-6	-0.007	±2.5	Pass

Model Number	AirCard 771S					
Test Item	Frequency Stability (Temperature & Voltage Variation)					
Test Mode	Mode 8					
Date of Test	03/01/2013				Test Site	TE05
Level	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Result
Normal	3.70	-30	8	0.004	±2.5	Pass
Normal	3.70	-20	9	0.005	±2.5	Pass
Normal	3.70	-10	12	0.006	±2.5	Pass
Normal	3.70	0	6	0.003	±2.5	Pass
Normal	3.70	10	14	0.007	±2.5	Pass
High Voltage	4.25	20	16	0.009	±2.5	Pass
Normal	3.70	20	15	0.008	±2.5	Pass
Battery cut-off point	3.50	20	19	0.010	±2.5	Pass
Normal	3.70	30	12	0.006	±2.5	Pass
Normal	3.70	40	19	0.010	±2.5	Pass
Normal	3.70	50	21	0.011	±2.5	Pass

Model Number	AirCard 771S					
Test Item	Frequency Stability (Temperature & Voltage Variation)					
Test Mode	Mode 9					
Date of Test	03/01/2013				Test Site	TE05
Level	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Result
Normal	3.70	-30	4	0.005	±2.5	Pass
Normal	3.70	-20	14	0.017	±2.5	Pass
Normal	3.70	-10	-10	-0.012	±2.5	Pass
Normal	3.70	0	13	0.016	±2.5	Pass
Normal	3.70	10	8	0.010	±2.5	Pass
High Voltage	4.25	20	13	0.016	±2.5	Pass
Normal	3.70	20	16	0.020	±2.5	Pass
Battery cut-off point	3.50	20	11	0.013	±2.5	Pass
Normal	3.70	30	5	0.006	±2.5	Pass
Normal	3.70	40	12	0.015	±2.5	Pass
Normal	3.70	50	13	0.016	±2.5	Pass