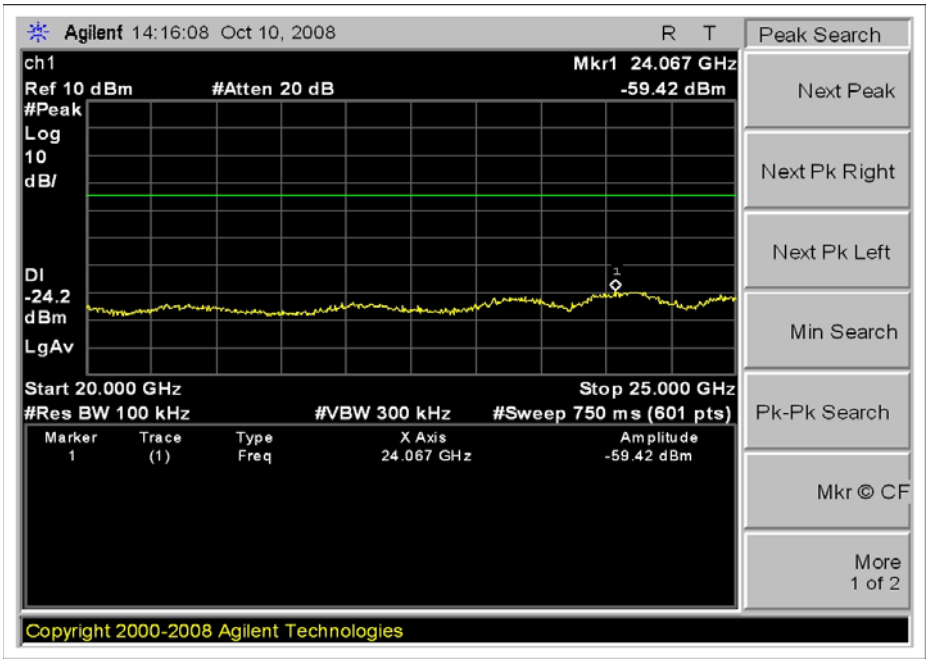
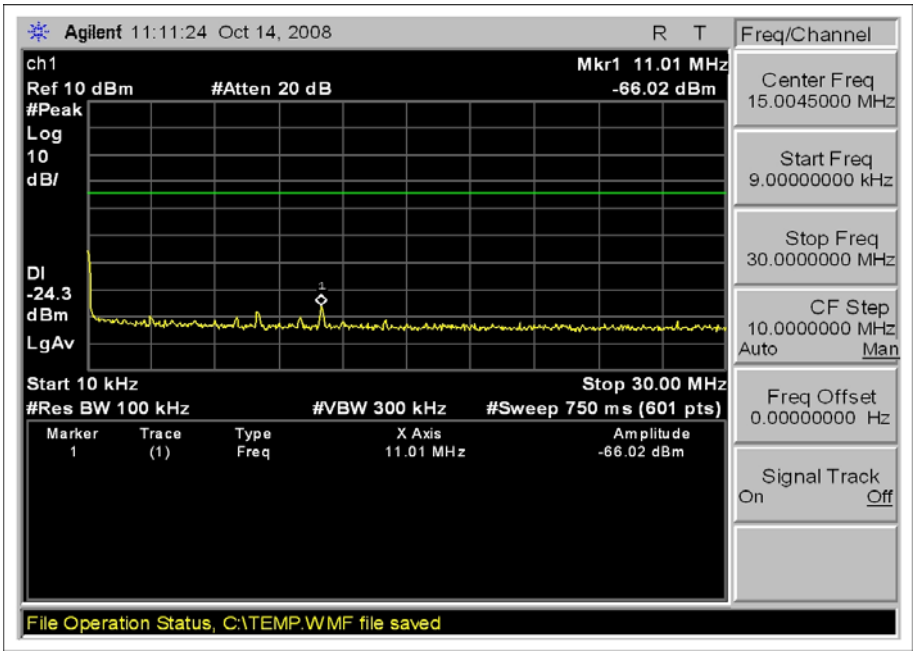
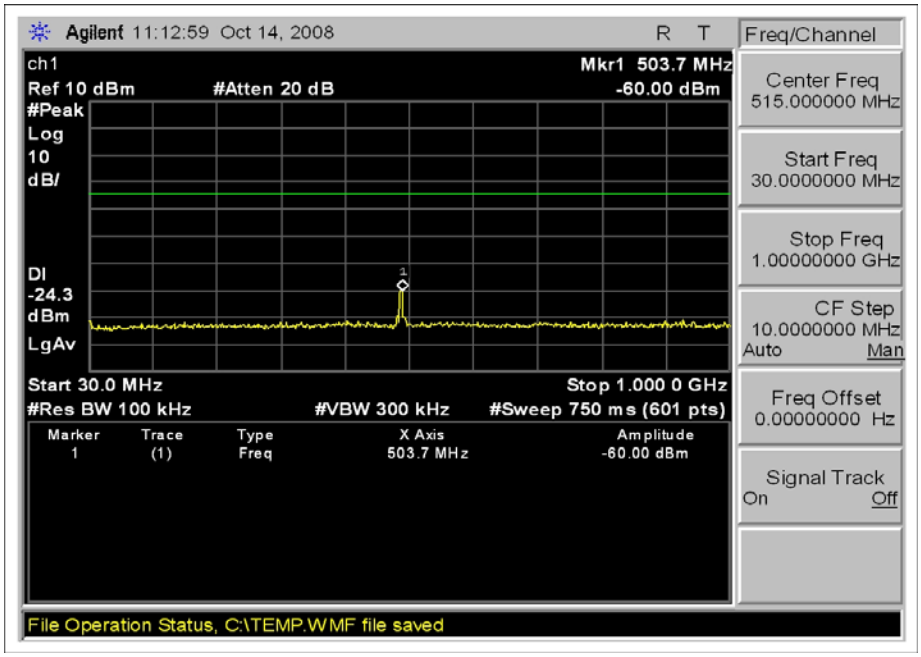
FCC 15.247(d) 802.11b CHANNEL 11 ANTENNA A 20 GHz - 25 GHz



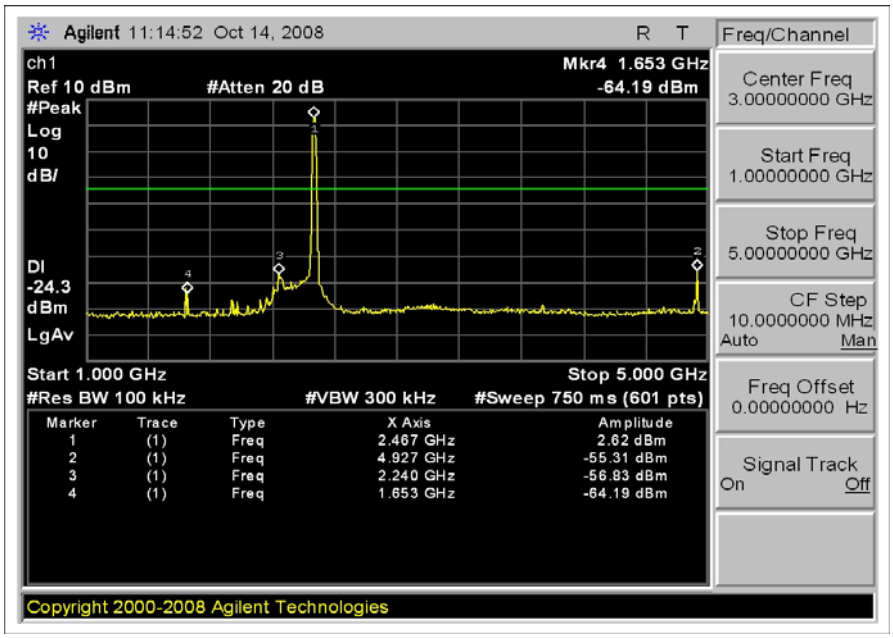
FCC 15.247(d) 802.11b CHANNEL 11 ANTENNA B 9 kHz - 30 MHz



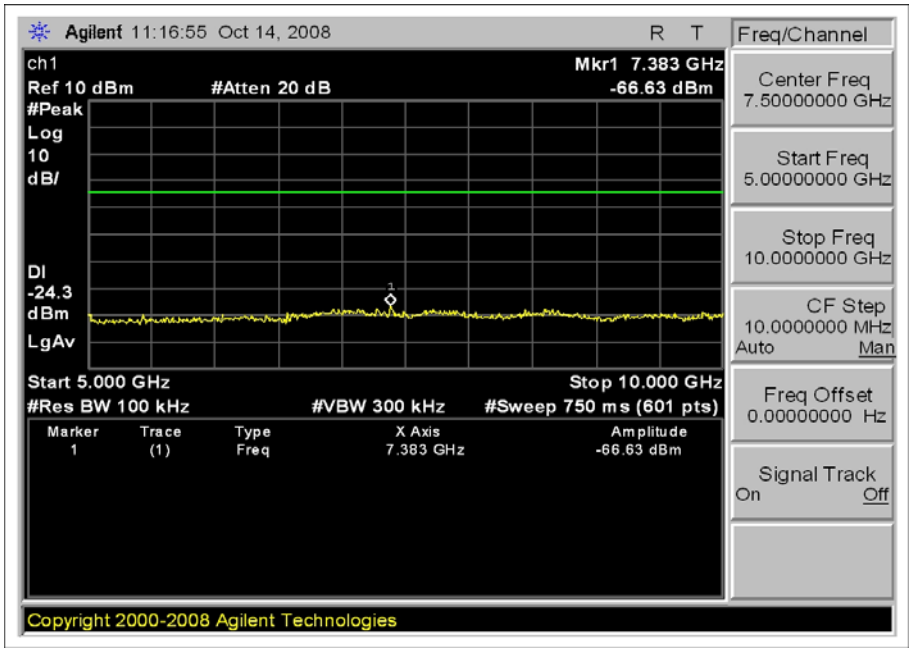
FCC 15.247(d) 802.11b CHANNEL 11 ANTENNA B 30 MHz - 1 GHz



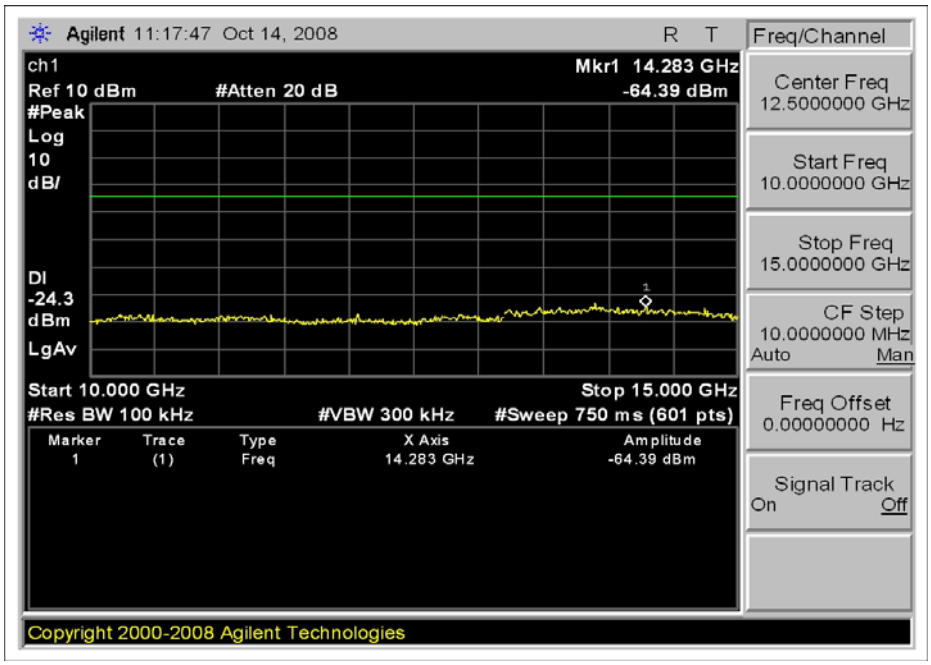
FCC 15.247(d) 802.11b CHANNEL 11 ANTENNA B 1 GHz - 5 GHz



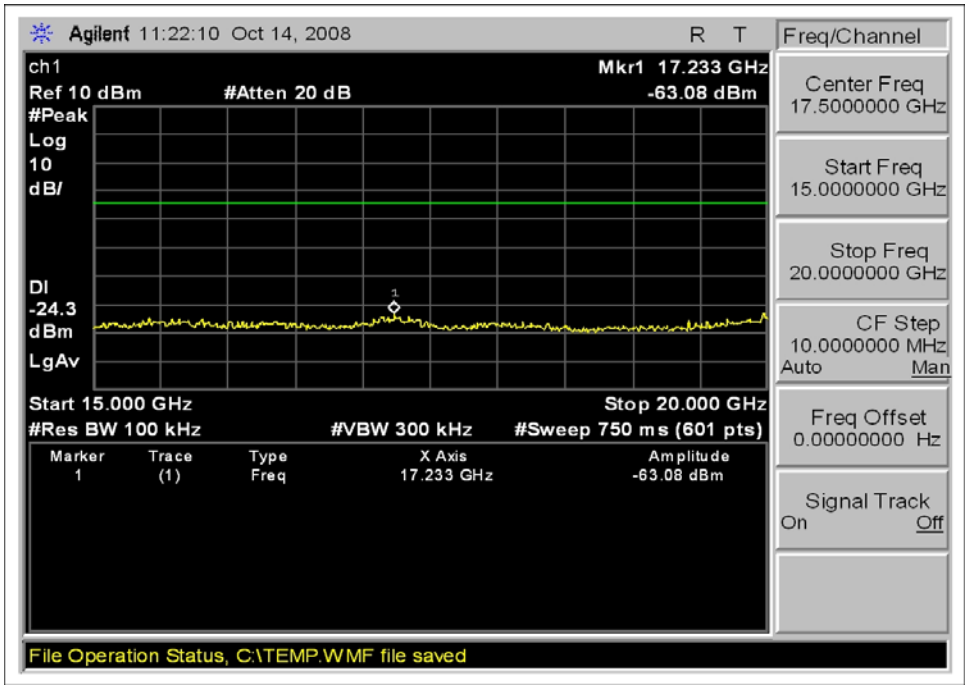
FCC 15.247(d) 802.11b CHANNEL 11 ANTENNA B 5 GHz - 10 GHz



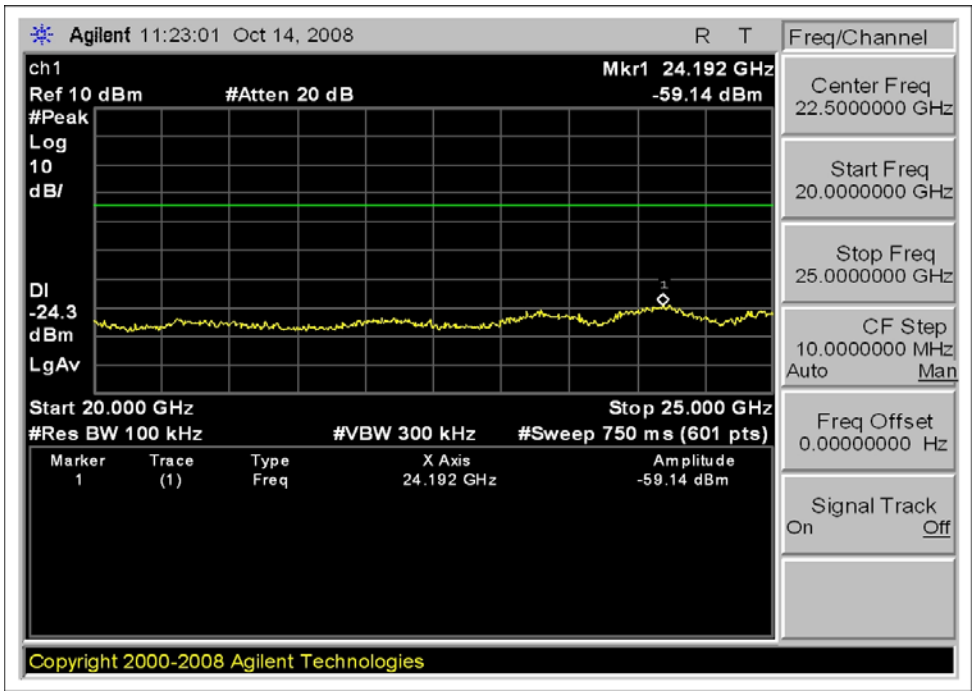
FCC 15.247(d) 802.11b CHANNEL 11 ANTENNA B 10 GHz - 15 GHz



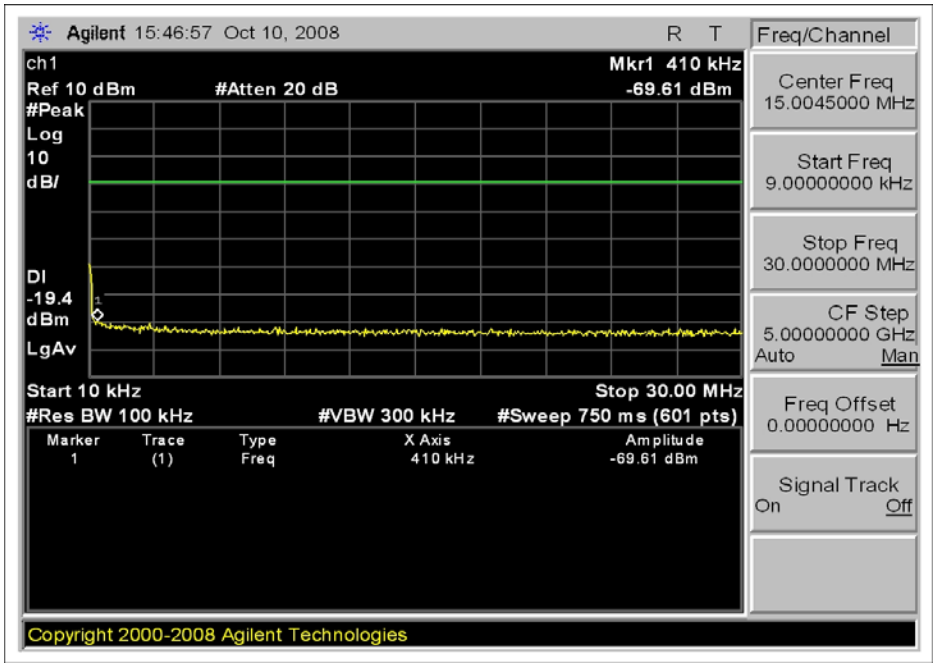
FCC 15.247(d) 802.11b CHANNEL 11 ANTENNA B 15 GHz - 20 GHz



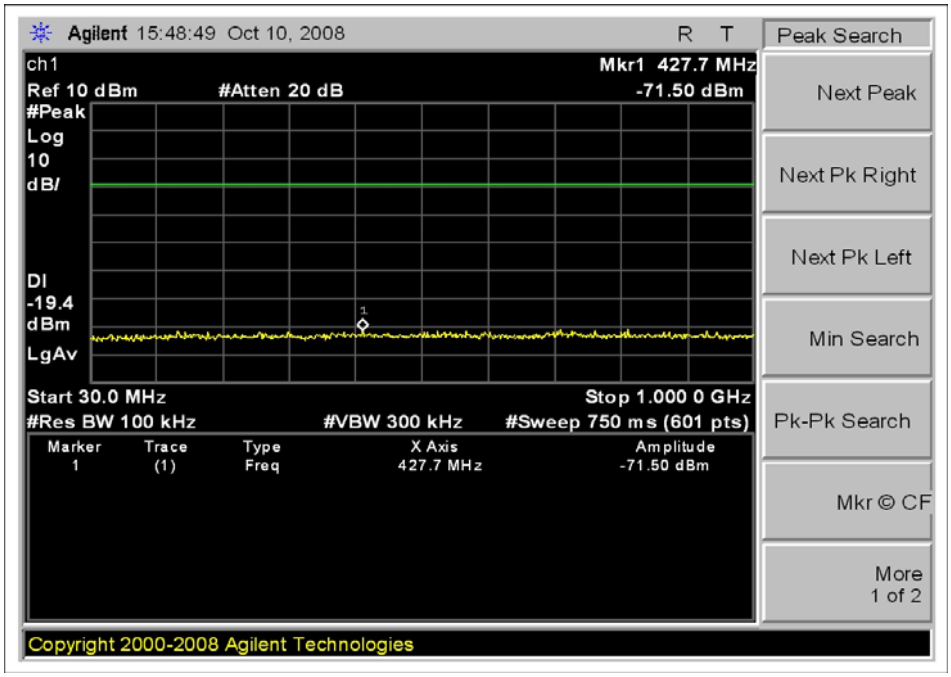
FCC 15.247(d) 802.11b CHANNEL 11 ANTENNA B 20 GHz - 25 GHz



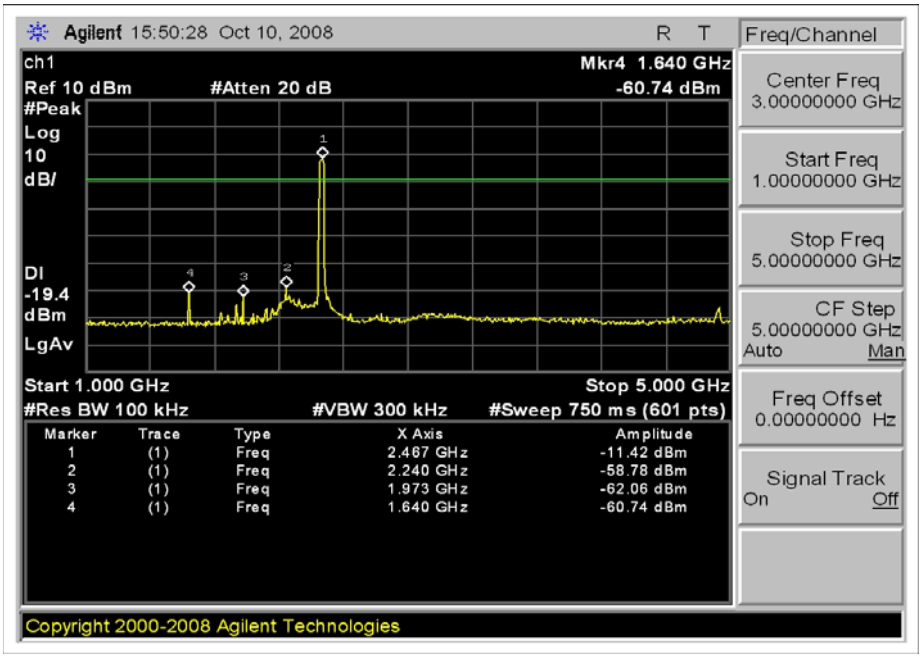
FCC 15.247(d) 802.11g CHANNEL 11 ANTENNA A 9 kHz - 30 MHz



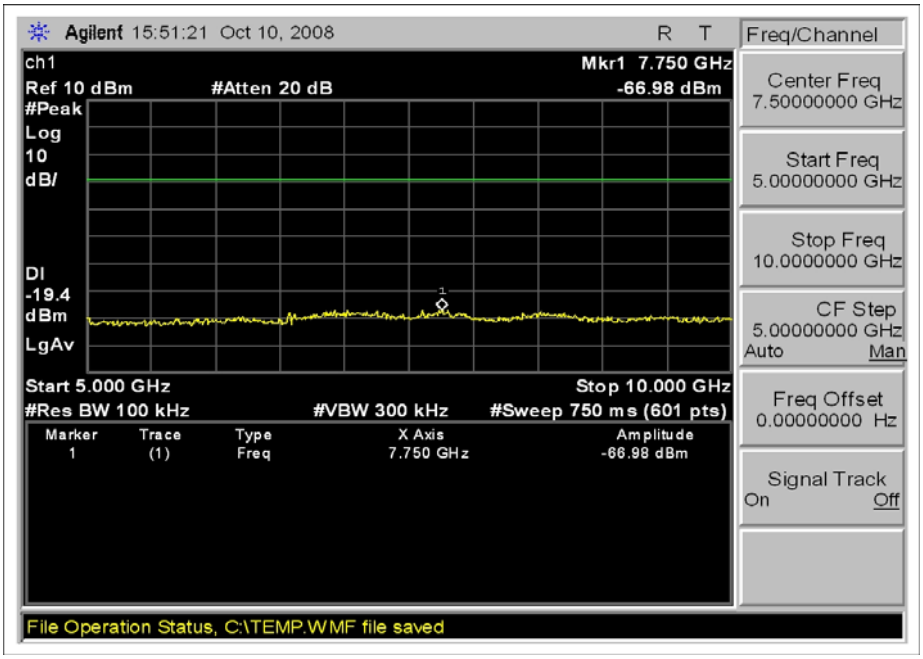
FCC 15.247(d) 802.11g CHANNEL 11 ANTENNA A 30 MHz - 1 GHz



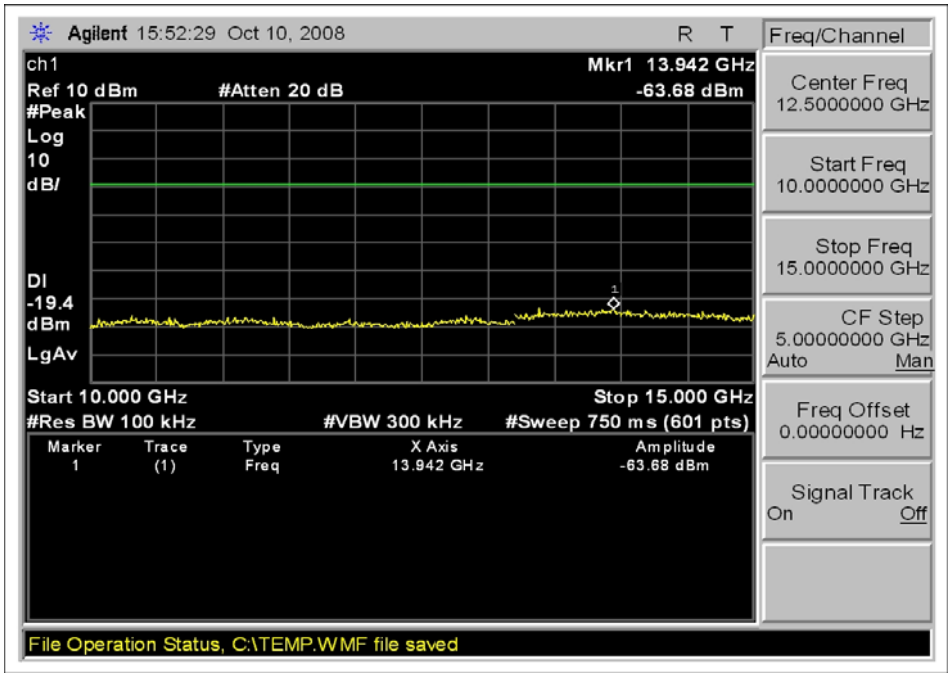
FCC 15.247(d) 802.11g CHANNEL 11 ANTENNA A 1 GHz - 5 GHz



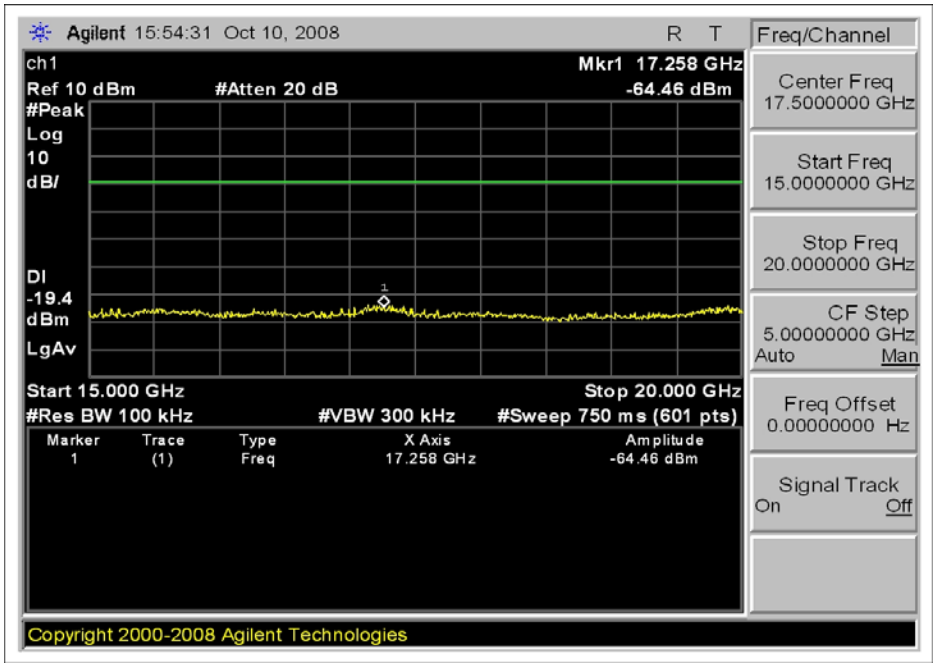
FCC 15.247(d) 802.11g CHANNEL 11 ANTENNA A 5 GHz - 10 GHz



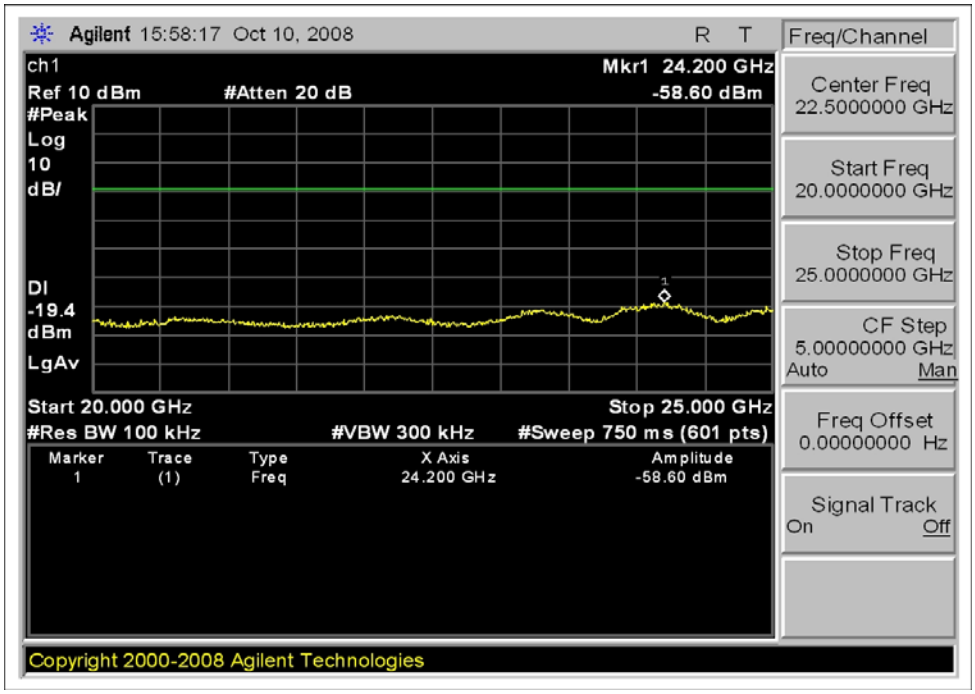
FCC 15.247(d) 802.11g CHANNEL 11 ANTENNA A 10 GHz - 15 GHz



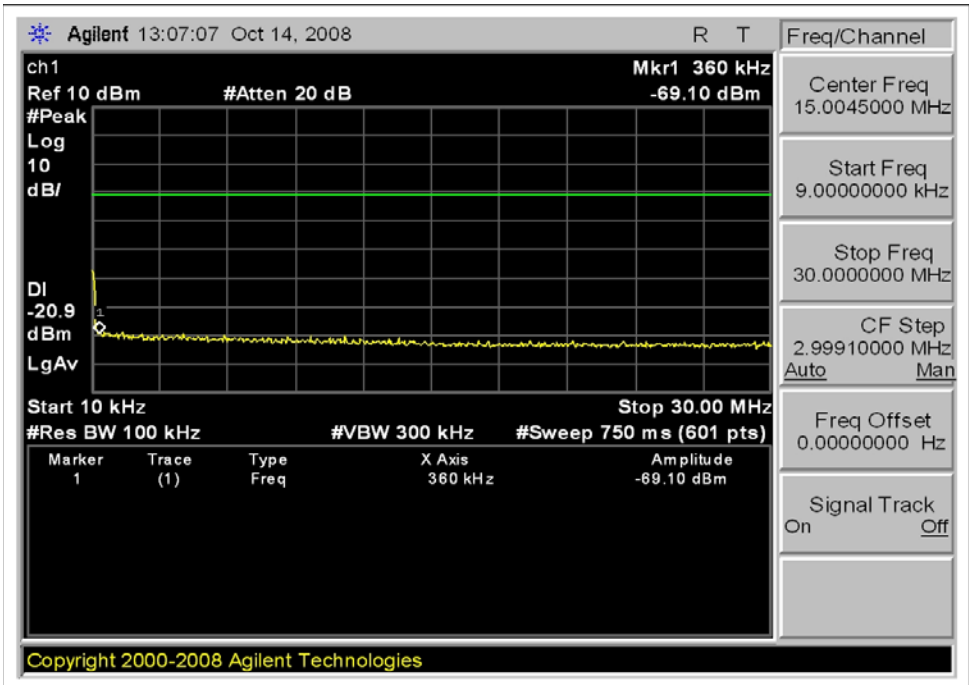
FCC 15.247(d) 802.11g CHANNEL 11 ANTENNA A 15 GHz - 20 GHz



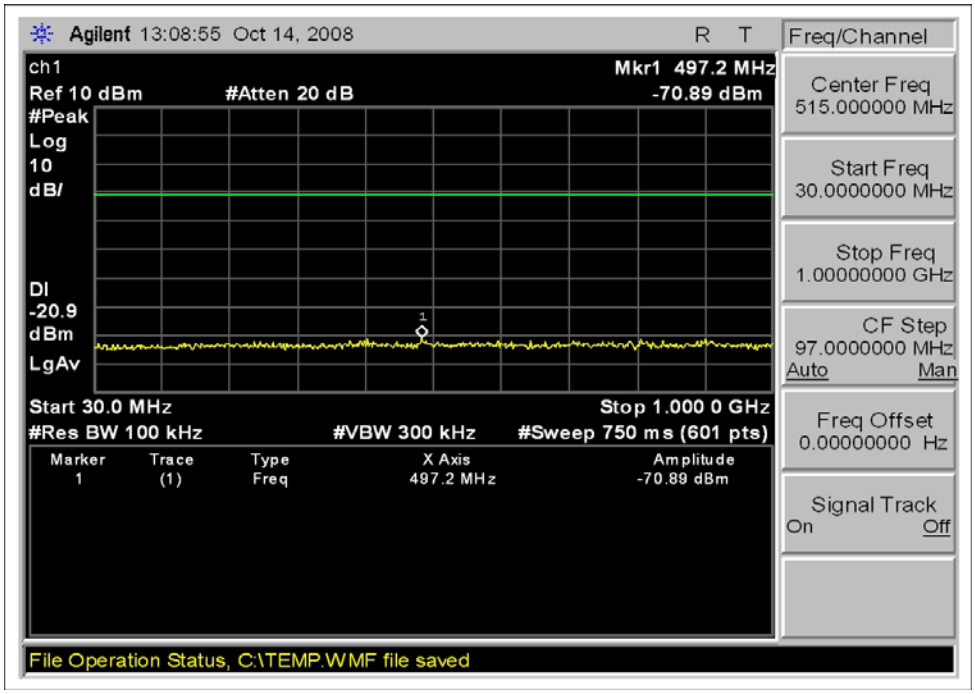
FCC 15.247(d) 802.11g CHANNEL 11 ANTENNA A 20 GHz - 25 GHz



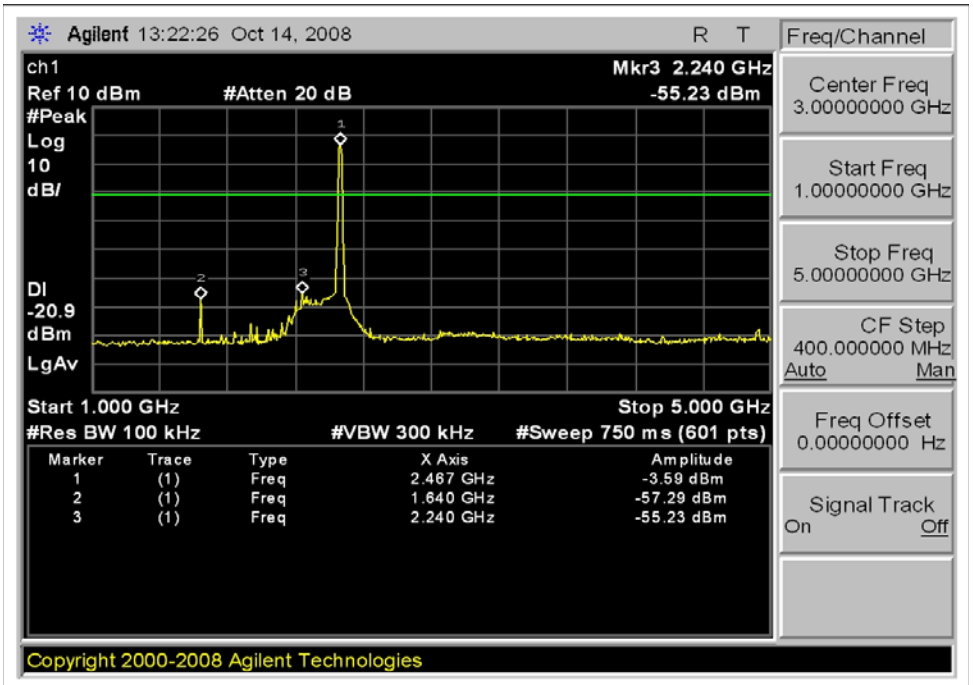
FCC 15.247(d) 802.11g CHANNEL 11 ANTENNA B 9 kHz - 30 MHz



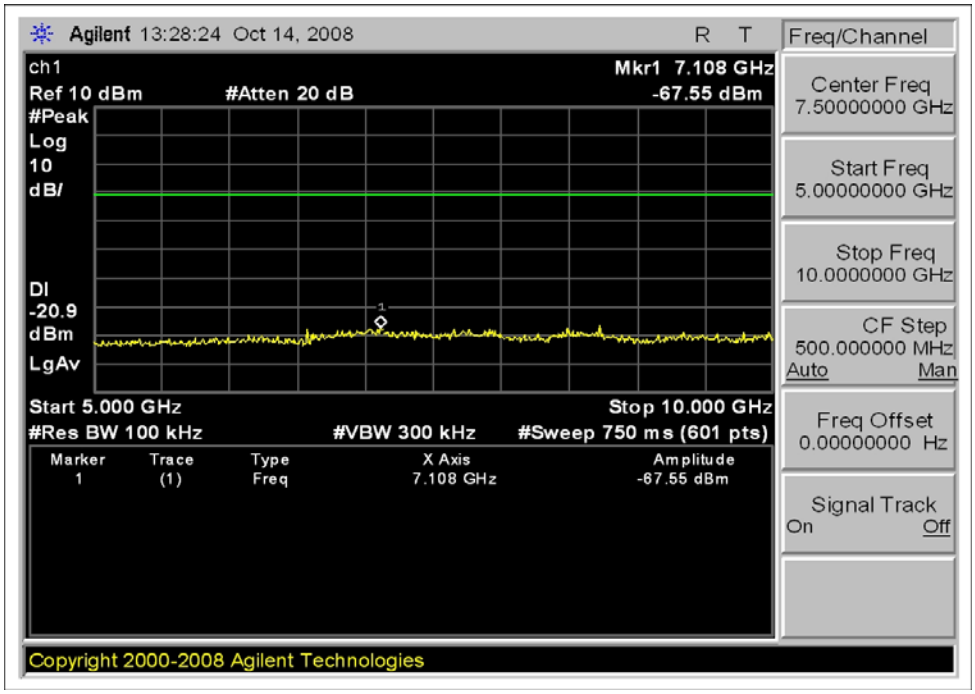
FCC 15.247(d) 802.11g CHANNEL 11 ANTENNA B 30 MHz - 1 GHz



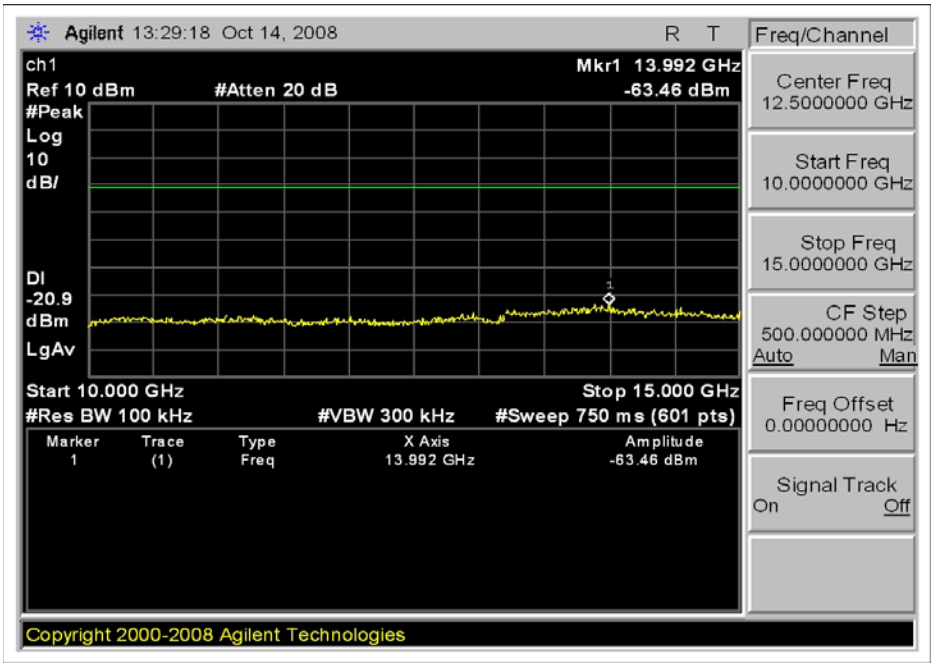
FCC 15.247(d) 802.11g CHANNEL 11 ANTENNA B 1 GHz - 5 GHz



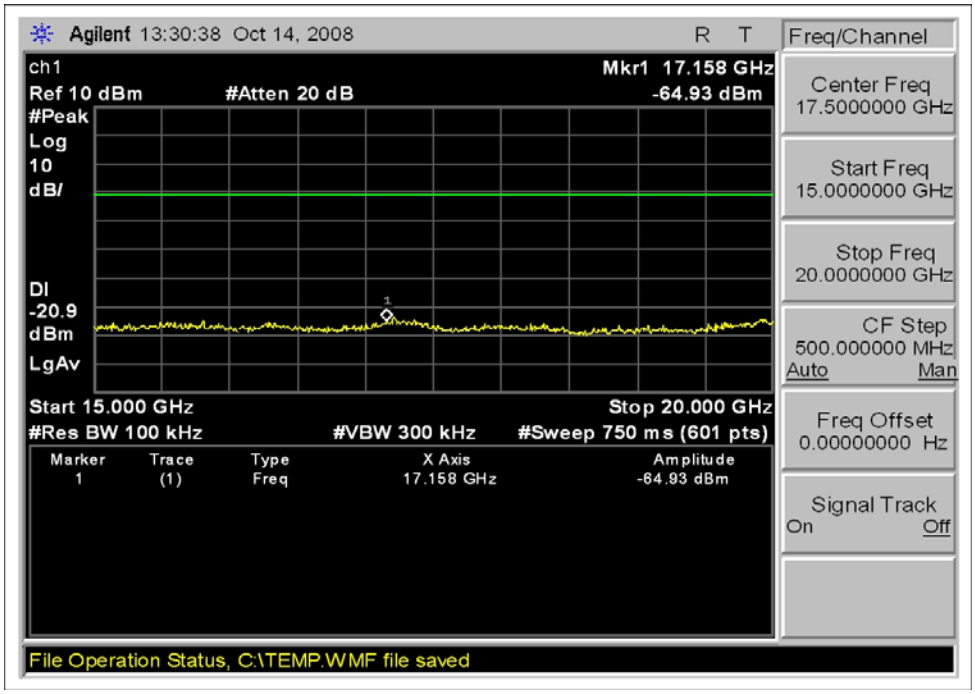
FCC 15.247(d) 802.11g CHANNEL 11 ANTENNA B 5 GHz - 10 GHz



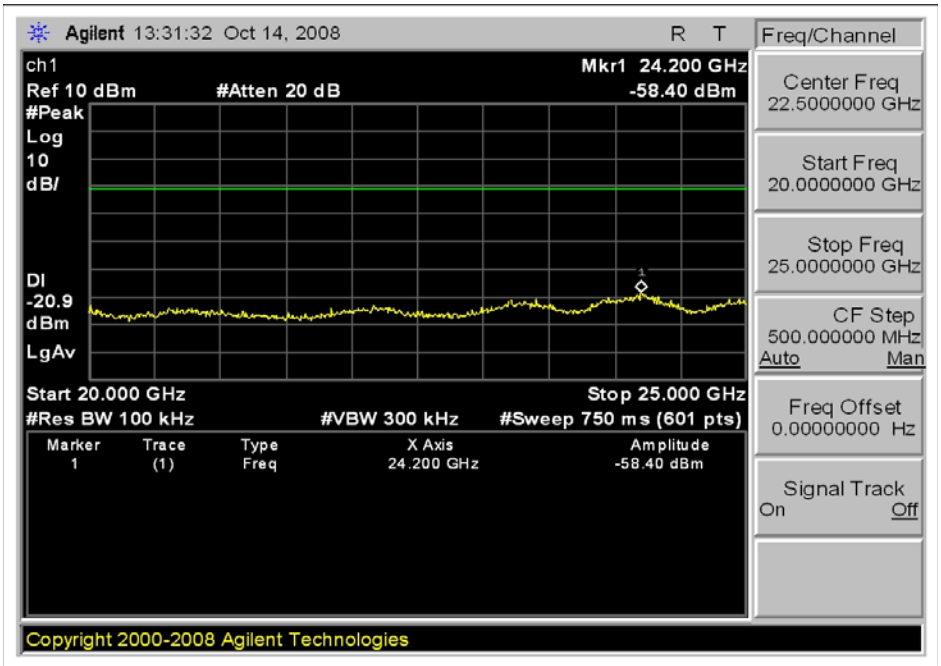
FCC 15.247(d) 802.11g CHANNEL 11 ANTENNA B 10 GHz - 15 GHz



FCC 15.247(d) 802.11g CHANNEL 11 ANTENNA B 15 GHz - 20 GHz



FCC 15.247(d) 802.11g CHANNEL 11 ANTENNA B 20 GHz - 25 GHz



FCC 15.247(d) OATS RADIATED SPURIOUS EMISSIONS

Test Setup Photos

Test Data Sheets

Test Location: CKC Laboratories, Inc. •110. N. Olinda Place. • Brea, CA 92821 • (714) 993-6112

Customer: **Silex Technology, America, Inc.**
Specification: **FCC 15.247 (d) (FCC 15.209)**
Work Order #: **88495** Date: 10/6/2008
Test Type: **Radiated Scan** Time: 10:53:29
Equipment: **Wireless Device Server** Sequence#: 1
Manufacturer: Silex Technology America, Inc. Tested By: Sep Apahidean
Model: SX-510
S/N: 4

***Test Equipment*:**

Function	S/N	Calibration Date	Cal Due Date	Asset #
Spectrum Analyzer	US44300438	07/23/2008	07/23/2010	02672
Pre-amp	2727A05392	04/29/2008	04/29/2010	00010
Bilog Antenna	2629	01/21/2008	01/21/2010	00851
Antenna cable	Cable#17	09/22/2008	09/22/2010	P04382
Preamp to SA Cable (3 feet)	Cable #22	08/19/2008	08/19/2010	P05555
Heliax Antenna Cable	P5565	09/04/2008	09/04/2010	P05565

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
Power Supply	SL Power	MW170KB0503F01	NA
Wireless Device Server*	Silex Technology America, Inc.	SX-510	4
MiniPCI Wireless Board	Silex Technology America, Inc.	SX-10WAG	0080923A9E74
Antenna	Silex Technology America, Inc.	128-00193-100 Rev A	-

Support Devices:

Function	Manufacturer	Model #	S/N
Laptop	Sony	PCG-982L	28323330
Wireless Access Point	3 Com	WL-526	0200/MUGA6DEB4723F

Test Conditions / Notes:

The EUT is placed on the wooden table with Styrofoam padding of 5 cm thickness. The device is configured in Wireless to Serial mode. The wireless modem is connected to a remote support laptop via a remote support wireless router. The serial port is connected to a section of terminated null modem cable with the terminator placed remotely. The laptop is running test software to exercise the unit and the serial port in a loop back configuration. 21°C, 65% relative humidity 30-1000MHz test range, bandwidth -120kHz. 802.11b mode of operation L M H, 802.11g mode of operation L M H.

Transducer Legend:

T1=Preamplifier ANP00010 042910	T2=ANT-AN00851 BILOG
T3=84' Heliax Cable P04382_#17	T4=Cable_P05555_SA to pre-amp
T5=Heliax Cable 54' ANP05565 090410	

Measurement Data: Reading listed by margin. Test Distance: 3 Meters

#	Freq	Rdng	T1 T5	T2	T3	T4	Dist	Corr	Spec	Margin	Polar
	MHz	dBµV	dB	dB	dB	dB	Table	dBµV/m	dBµV/m	dB	Ant
1	933.328M	36.8	-27.7 +2.3	+23.4	+3.4	+0.7	+0.0	38.9	46.0	-7.1	Horiz

2	133.356M	49.2	-27.1 +0.8	+11.5	+1.2	+0.3	+0.0	35.9	43.5	-7.6	Horiz
3	666.700M	40.8	-28.1 +1.9	+20.2	+2.8	+0.5	+0.0	38.1	46.0	-7.9	Horiz
4	866.668M	35.0	-27.8 +2.2	+22.6	+3.2	+0.8	+0.0	36.0	46.0	-10.0	Horiz
5	399.991M	42.9	-27.4 +1.4	+15.7	+2.1	+0.3	+0.0	35.0	46.0	-11.0	Vert
6	266.676M	45.6	-26.7 +1.3	+12.6	+1.7	+0.4	+0.0	34.9	46.0	-11.1	Horiz
7	266.656M	45.6	-26.7 +1.3	+12.6	+1.7	+0.4	+0.0	34.9	46.0	-11.1	Vert
8	133.326M	45.6	-27.1 +0.8	+11.5	+1.2	+0.3	+0.0	32.3	43.5	-11.2	Vert
9	933.348M	32.5	-27.7 +2.3	+23.4	+3.4	+0.7	+0.0	34.6	46.0	-11.4	Vert
10	833.338M	33.9	-27.8 +2.1	+22.3	+3.2	+0.8	+0.0	34.5	46.0	-11.5	Horiz
11	799.994M	34.1	-27.9 +2.1	+21.9	+3.1	+0.9	+0.0	34.2	46.0	-11.8	Horiz
12	399.998M	40.9	-27.4 +1.4	+15.7	+2.1	+0.3	+0.0	33.0	46.0	-13.0	Horiz
13	533.380M	37.3	-28.1 +1.7	+18.6	+2.5	+0.3	+0.0	32.3	46.0	-13.7	Horiz
14	833.353M	31.6	-27.8 +2.1	+22.3	+3.2	+0.8	+0.0	32.2	46.0	-13.8	Vert
15	499.948M	36.6	-28.0 +1.6	+18.0	+2.4	+0.4	+0.0	31.0	46.0	-15.0	Vert
16	533.320M	35.4	-28.1 +1.7	+18.6	+2.5	+0.3	+0.0	30.4	46.0	-15.6	Vert
17	333.341M	39.4	-26.9 +1.3	+14.1	+1.9	+0.4	+0.0	30.2	46.0	-15.8	Vert
18	900.019M	28.2	-27.8 +2.3	+23.0	+3.3	+0.9	+0.0	29.9	46.0	-16.1	Vert
19	999.994M	34.5	-27.5 +2.4	+24.3	+3.5	+0.7	+0.0	37.9	54.0	-16.1	Horiz
20	900.054M	28.2	-27.8 +2.3	+23.0	+3.3	+0.9	+0.0	29.9	46.0	-16.1	Horiz
21	333.340M	38.8	-26.9 +1.3	+14.1	+1.9	+0.4	+0.0	29.6	46.0	-16.4	Vert
22	166.681M	41.4	-26.9 +0.9	+9.8	+1.4	+0.3	+0.0	26.9	43.5	-16.6	Vert
23	299.998M	38.4	-26.6 +1.3	+13.1	+1.8	+0.3	+0.0	28.3	46.0	-17.7	Horiz
24	499.998M	33.9	-28.0 +1.6	+18.0	+2.4	+0.4	+0.0	28.3	46.0	-17.7	Horiz
25	333.336M	37.4	-26.9 +1.3	+14.1	+1.9	+0.4	+0.0	28.2	46.0	-17.8	Horiz

26	299.983M	37.6	-26.6 +1.3	+13.1	+1.8	+0.3	+0.0	27.5	46.0	-18.5	Vert
27	166.686M	38.9	-26.9 +0.9	+9.8	+1.4	+0.3	+0.0	24.4	43.5	-19.1	Horiz
28	366.670M	32.1	-27.1 +1.3	+14.9	+2.0	+0.4	+0.0	23.6	46.0	-22.4	Vert
29	320.024M	33.1	-26.8 +1.3	+13.7	+1.9	+0.3	+0.0	23.5	46.0	-22.5	Horiz
30	340.024M	32.0	-26.9 +1.3	+14.2	+2.0	+0.4	+0.0	23.0	46.0	-23.0	Horiz
31	966.658M	27.8	-27.6 +2.3	+23.9	+3.4	+0.6	+0.0	30.4	54.0	-23.6	Horiz
32	966.728M	27.5	-27.6 +2.3	+23.9	+3.4	+0.6	+0.0	30.1	54.0	-23.9	Vert
33	74.965M	33.5	-27.2 +0.6	+6.9	+0.9	+0.2	+0.0	14.9	40.0	-25.1	Horiz