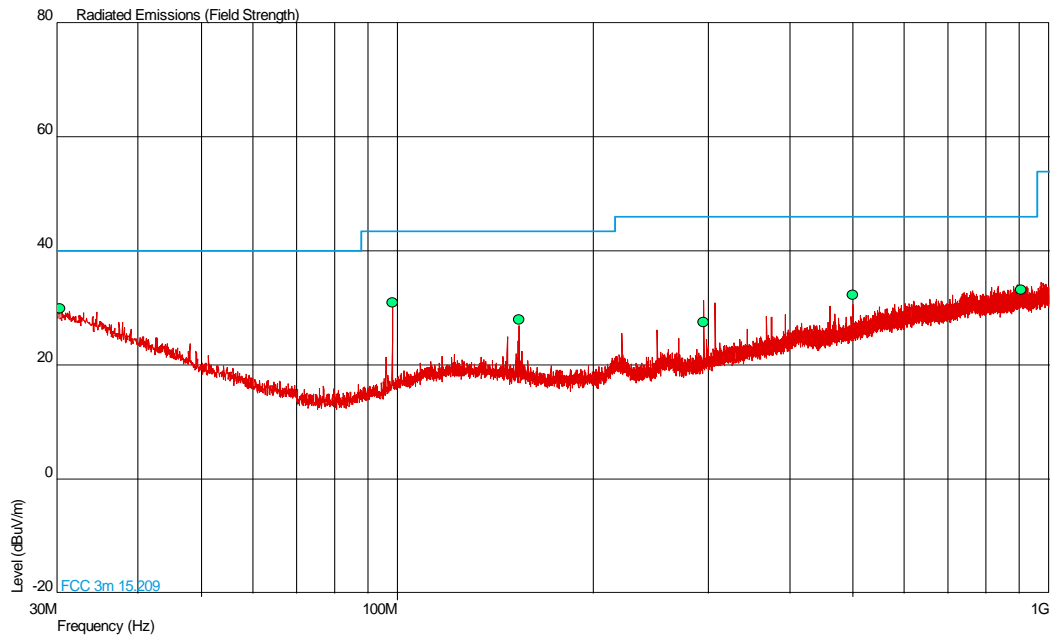




Product Service

5320 MHz

30 MHz to 1 GHz

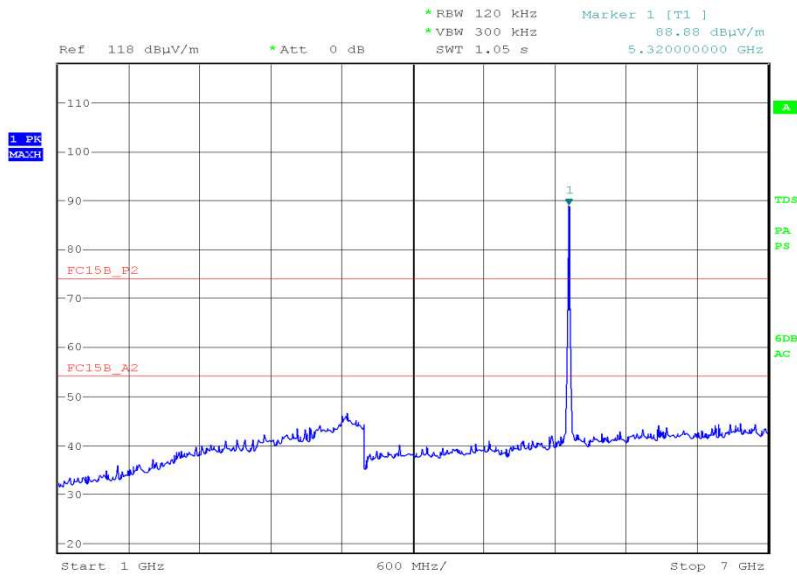


Frequency (MHz)	QP Level (dBµV/m)	QP Level (µV/m)	QP Limit (dBµV/m)	QP Limit (µV/m)	QP Margin (dBµV/m)	QP Margin (µV/m)	Angle (Deg)	Height(m)	Polarity
30.316	29.9	31.3	40.0	100	-10.1	68.7	58	1.00	Vertical
98.303	31.0	35.5	43.5	150	-12.5	114.5	360	1.15	Vertical
153.595	28.0	25.1	43.5	150	-15.5	124.9	53	1.51	Vertical
294.921	27.5	23.7	46.0	200	-18.5	176.3	331	1.68	Vertical
500.045	32.3	41.2	46.0	200	-13.7	158.8	0	1.24	Vertical
906.932	33.1	45.2	46.0	200	-12.9	154.8	130	1.00	Horizontal



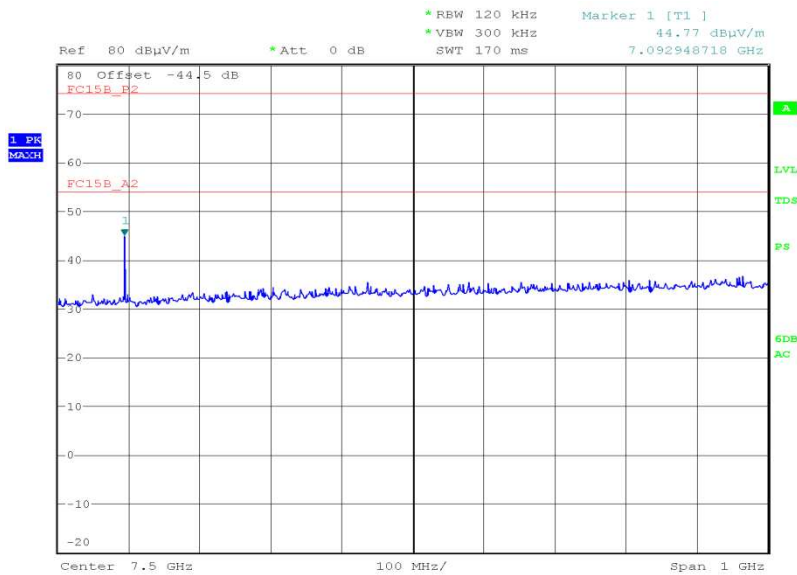
Product Service

1 GHz to 7 GHz



Date: 27.MAR.2012 22:17:15

7 GHz to 8 GHz

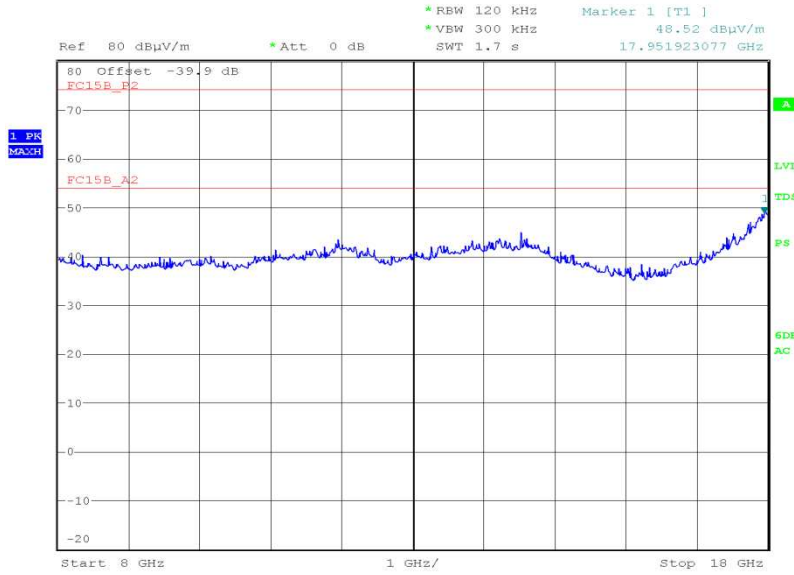


Date: 2.APR.2012 19:53:52



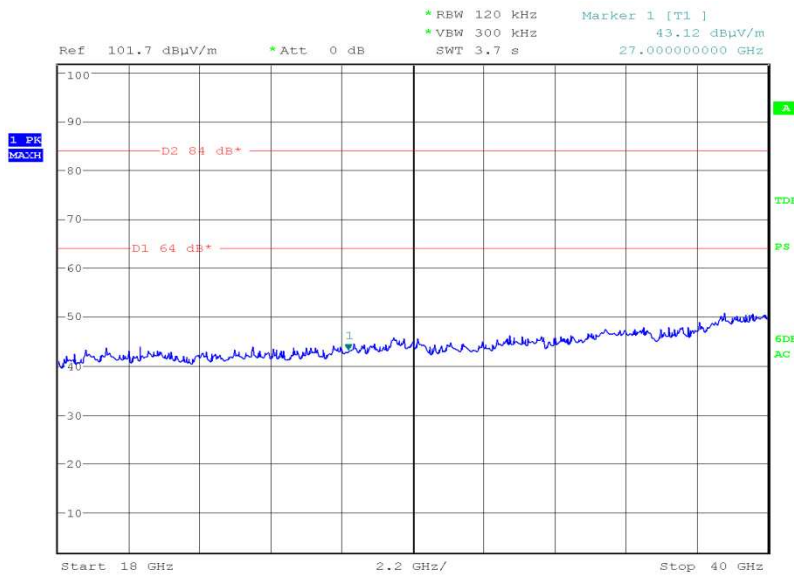
Product Service

8 GHz to 18 GHz



Date: 2.APR.2012 21:59:06

18 GHz to 40 GHz



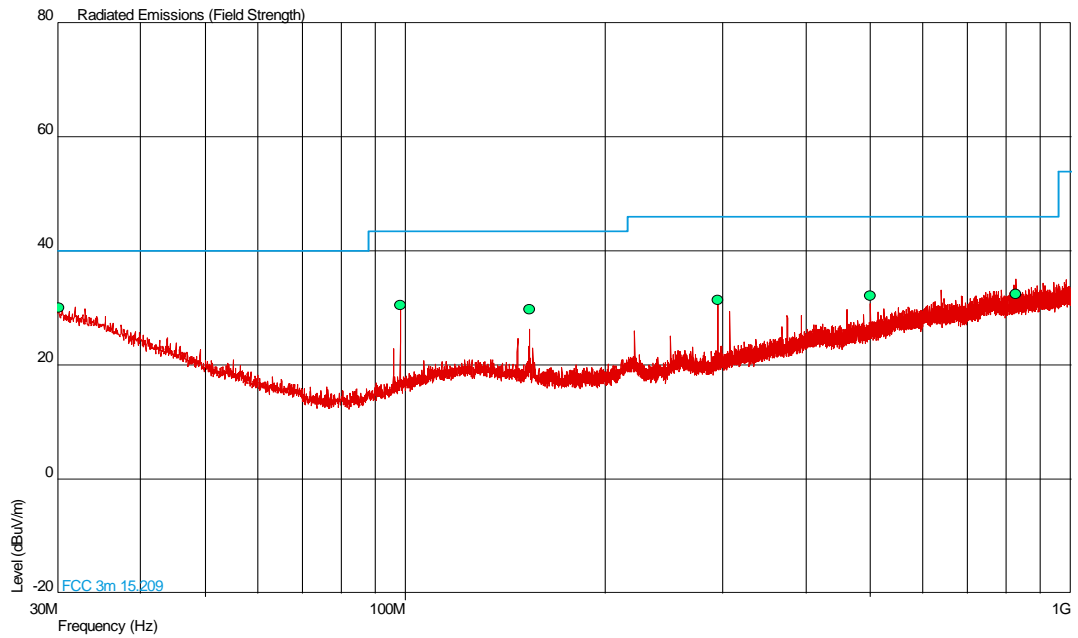
Date: 4.APR.2012 18:04:05



Product Service

5500 MHz

30 MHz to 1 GHz



Frequency (MHz)	QP Level (dBµV/m)	QP Level (µV/m)	QP Limit (dBµV/m)	QP Limit (µV/m)	QP Margin (dBµV/m)	QP Margin (µV/m)	Angle (Deg)	Height(m)	Polarity
30.135	30.0	31.6	40.0	100	-10.0	68.4	196	1.00	Vertical
98.313	30.6	33.9	43.5	150	-12.9	116.1	0	1.00	Vertical
153.603	29.8	30.9	43.5	150	-13.7	119.1	350	2.35	Horizontal
294.931	31.4	37.2	46.0	200	-14.6	162.8	330	1.00	Horizontal
500.038	32.1	40.3	46.0	200	-13.9	159.7	0	1.00	Vertical
827.544	32.4	41.7	46.0	200	-13.6	158.3	212	1.00	Vertical

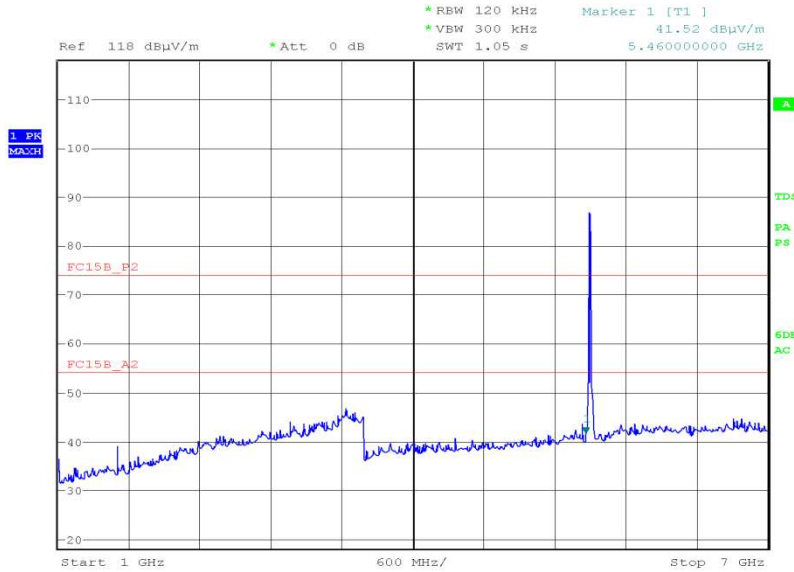


Product Service

1GHz to 40GHz

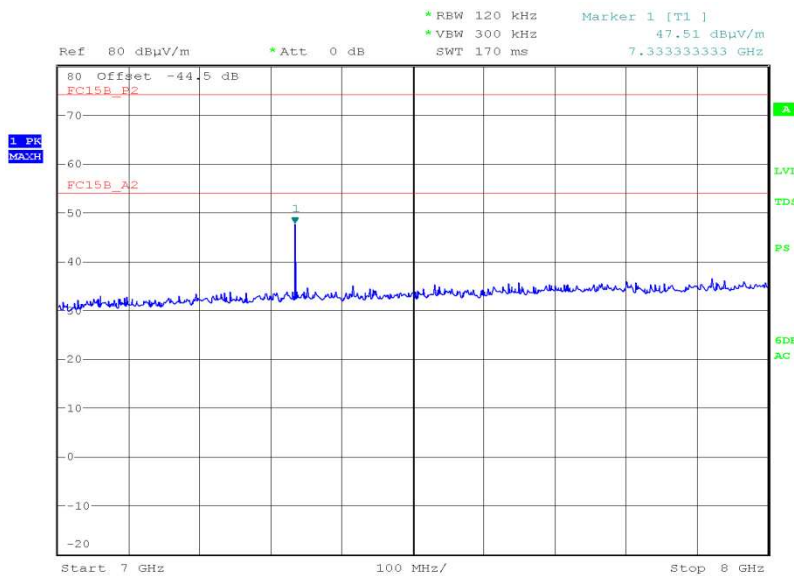
Frequency (GHz)	Antenna Polarisation	Antenna Height (cm)	EUT Arc (degrees)	Final Peak (dBµV/m)	Final Average (dBµV/m)
7.333	Vertical	100	053	53.89	48.81

1 GHz to 7 GHz



Date: 27.MAR.2012 22:31:07

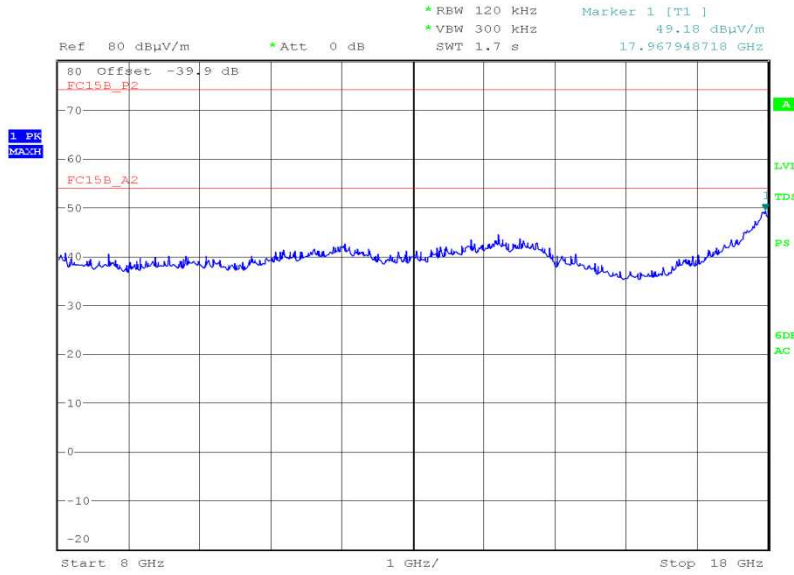
7 GHz to 8 GHz



Date: 2.APR.2012 18:12:24

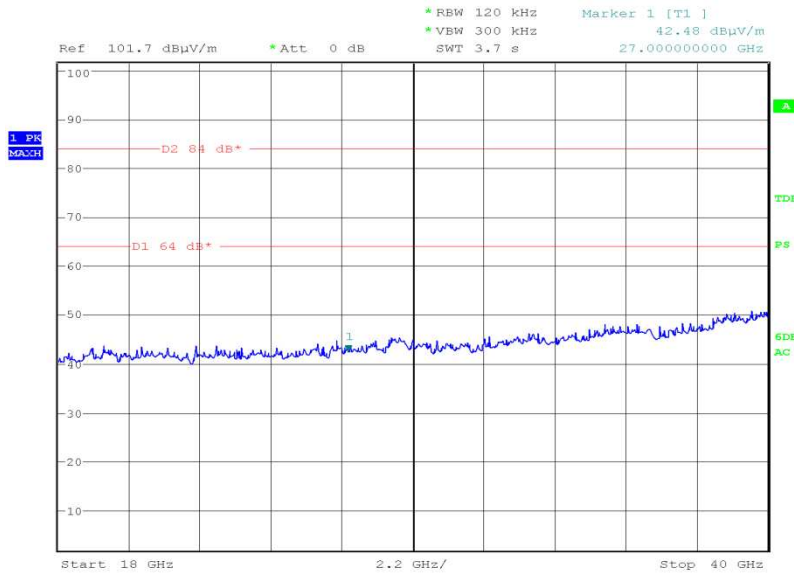


8 GHz to 18 GHz



Date: 2.APR.2012 22:09:09

18 GHz to 40 GHz

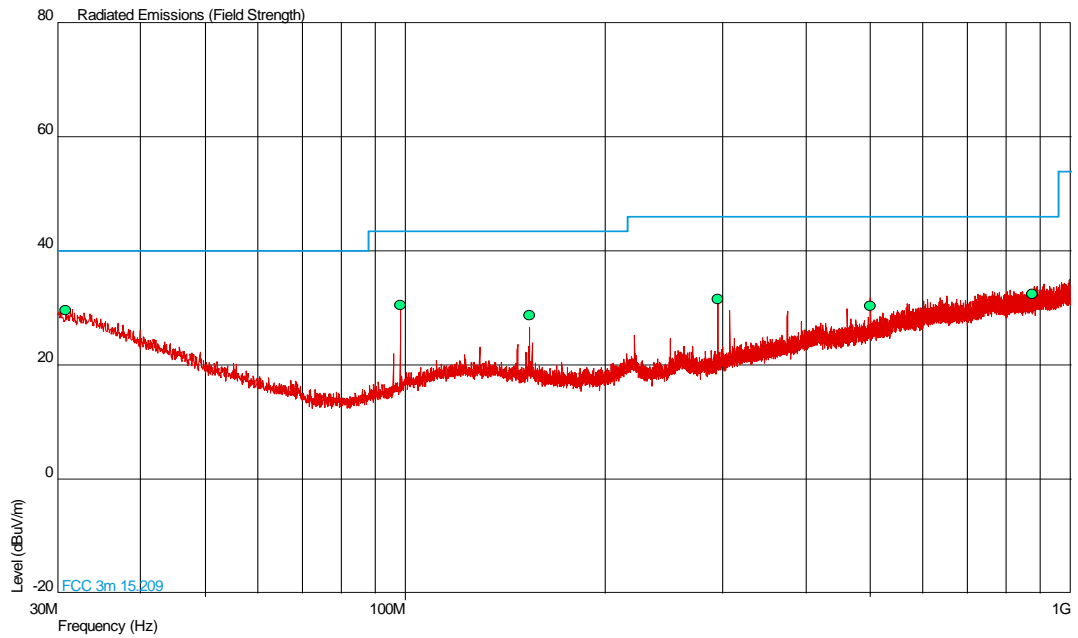


Date: 4.APR.2012 18:23:21



5600 MHz

30 MHz to 1 GHz



Frequency (MHz)	QP Level (dBµV/m)	QP Level (µV/m)	QP Limit (dBµV/m)	QP Limit (µV/m)	QP Margin (dBµV/m)	QP Margin (µV/m)	Angle (Deg)	Height(m)	Polarity
30.881	29.7	30.5	40.0	100	-10.3	69.5	360	1.00	Vertical
98.299	30.5	33.5	43.5	150	-13.0	116.5	8	1.00	Vertical
153.618	28.7	27.2	43.5	150	-14.8	122.8	206	2.38	Horizontal
294.902	31.5	37.6	46.0	200	-14.5	162.4	167	1.00	Horizontal
500.085	30.3	32.7	46.0	200	-15.7	167.3	360	1.00	Vertical
875.873	32.4	41.7	46.0	200	-13.6	158.3	224	1.00	Horizontal

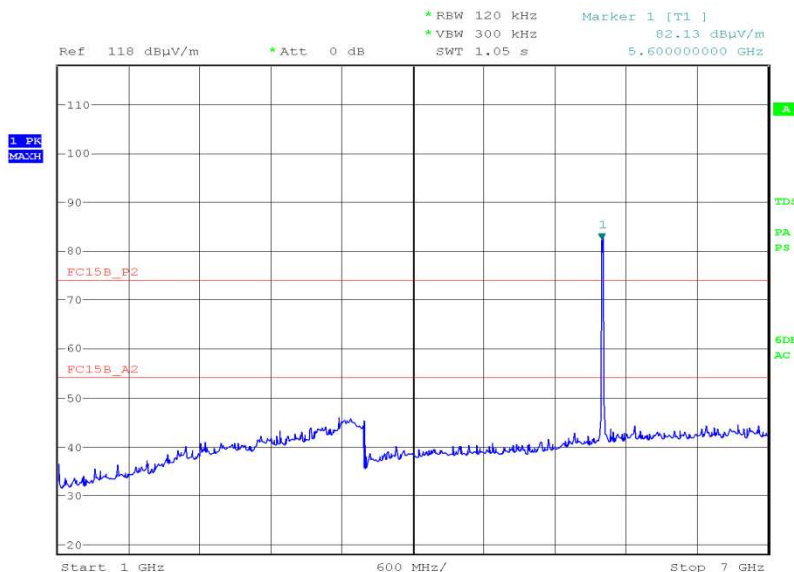


Product Service

1GHz to 40GHz

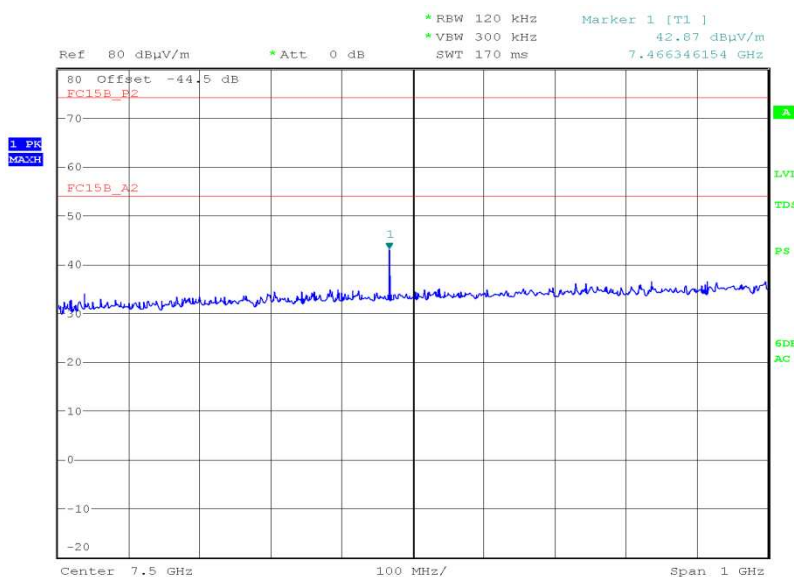
Frequency (GHz)	Antenna Polarisation	Antenna Height (cm)	EUT Arc (degrees)	Final Peak (dBµV/m)	Final Average (dBµV/m)
7.460	Vertical	100	045	50.69	44.72

1 GHz to 7 GHz



Date: 27.MAR.2012 22:46:00

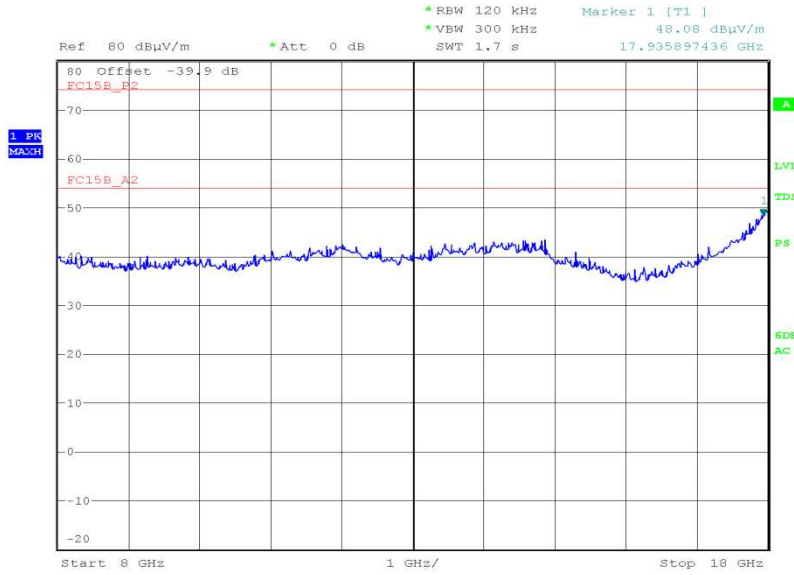
7 GHz to 8 GHz



Date: 2.APR.2012 19:04:56

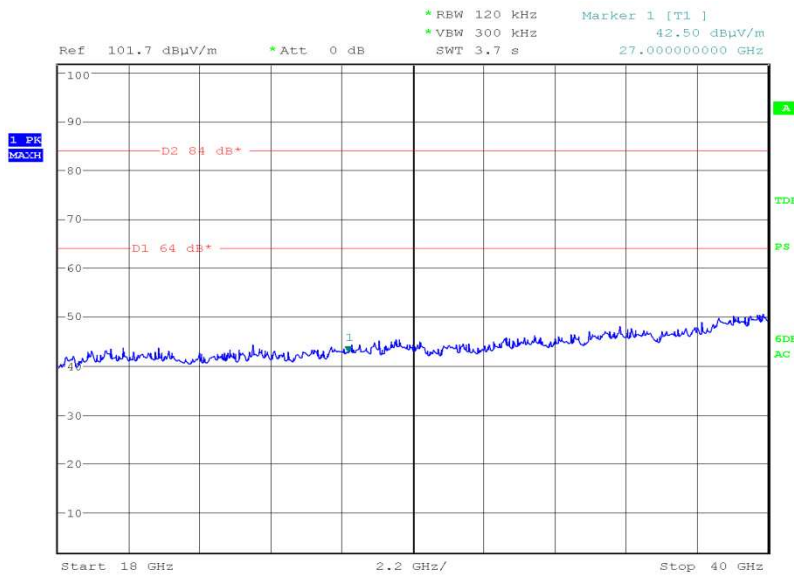


8 GHz to 18 GHz



Date: 2.APR.2012 22:21:01

18 GHz to 40 GHz



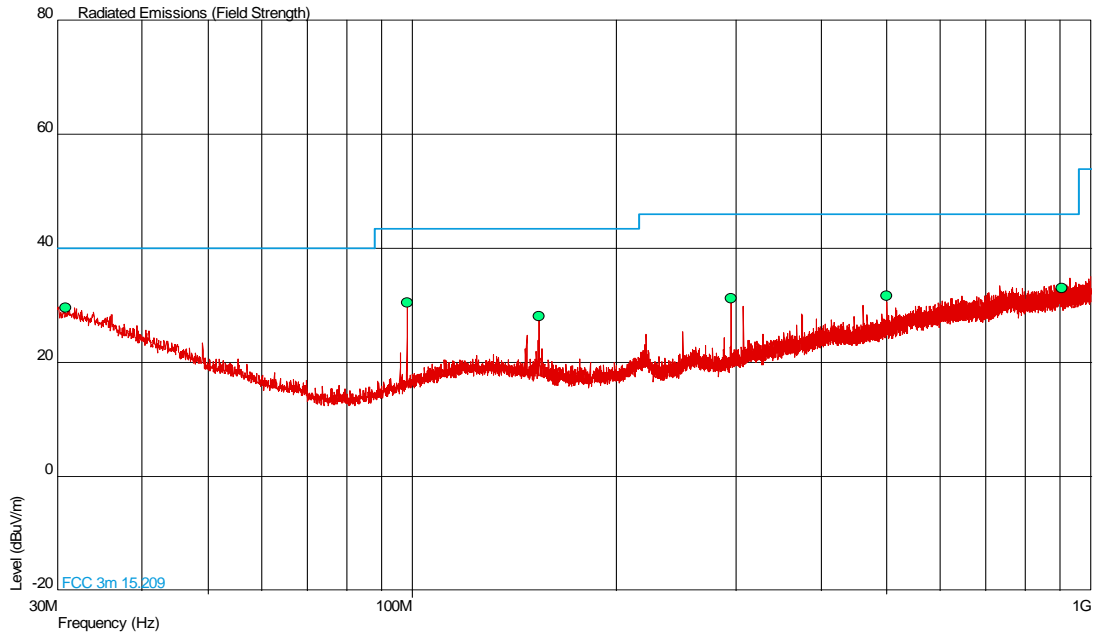
Date: 4.APR.2012 18:39:33



Product Service

5700 MHz

30 MHz to 1 GHz



Frequency (MHz)	QP Level (dBµV/m)	QP Level (µV/m)	QP Limit (dBµV/m)	QP Limit (µV/m)	QP Margin (dBµV/m)	QP Margin (µV/m)	Angle (Deg)	Height(m)	Polarity
30.901	29.6	30.2	40.0	100	-10.4	69.8	360	1.00	Horizontal
98.314	30.5	33.5	43.5	150	-13.0	116.5	12	1.00	Horizontal
153.598	28.1	25.4	43.5	150	-15.4	124.6	70	1.00	Vertical
294.896	31.2	36.3	46.0	200	-14.8	163.7	360	1.00	Horizontal
500.046	31.7	38.5	46.0	200	-14.3	161.5	154	1.00	Vertical
904.897	33.0	44.7	46.0	200	-13.0	155.3	286	2.84	Vertical

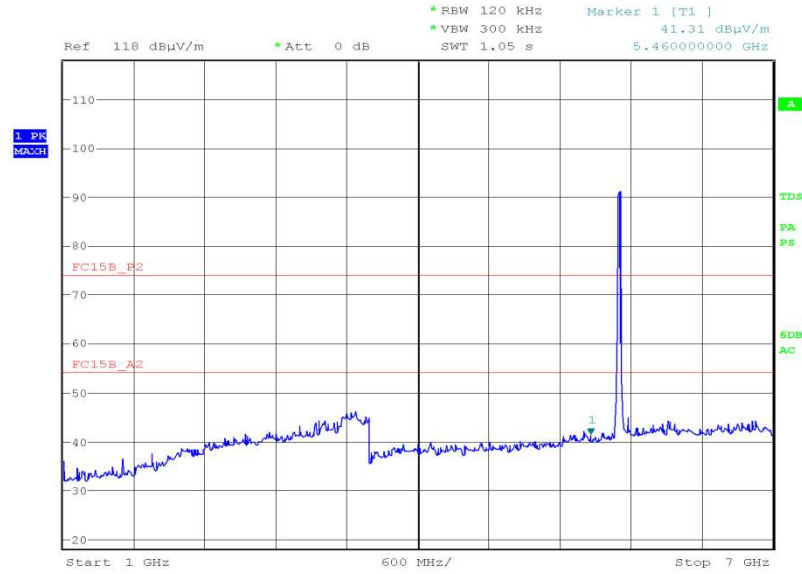


Product Service

1GHz to 40GHz

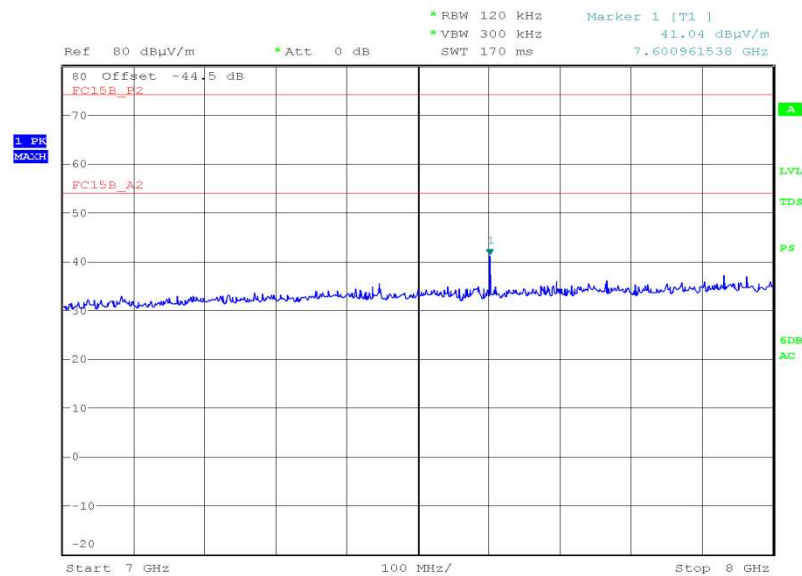
Frequency (GHz)	Antenna Polarisation	Antenna Height (cm)	EUT Arc (degrees)	Final Peak (dBµV/m)	Final Average (dBµV/m)
7.600	Vertical	100	046	50.27	42.48

1 GHz to 7 GHz



Date: 27.MAR.2012 23:02:21

7 GHz to 8 GHz

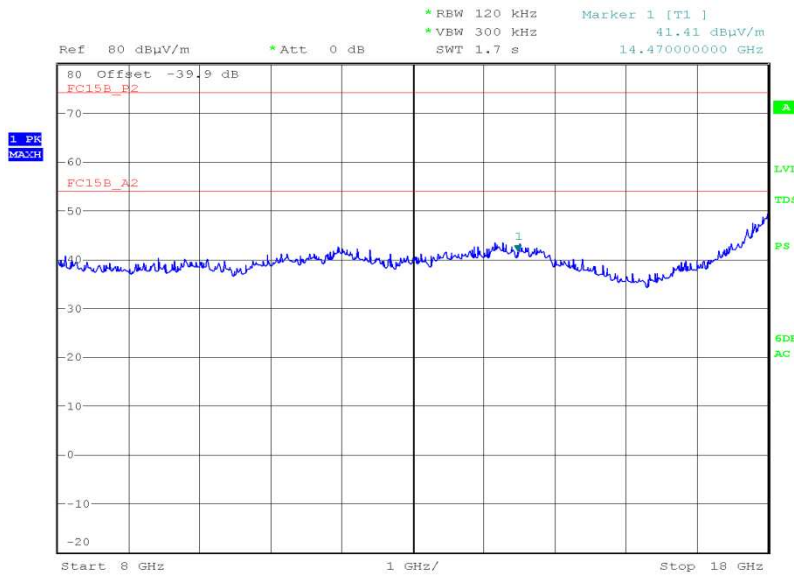


Date: 2.APR.2012 19:30:55



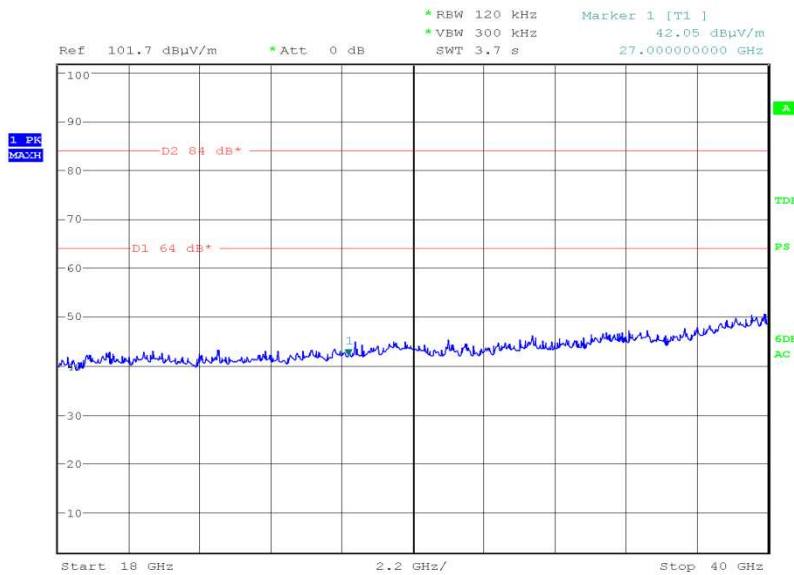
Product Service

8 GHz to 18 GHz



Date: 2.APR.2012 22:35:41

18 GHz to 40 GHz



Date: 4.APR.2012 18:53:26

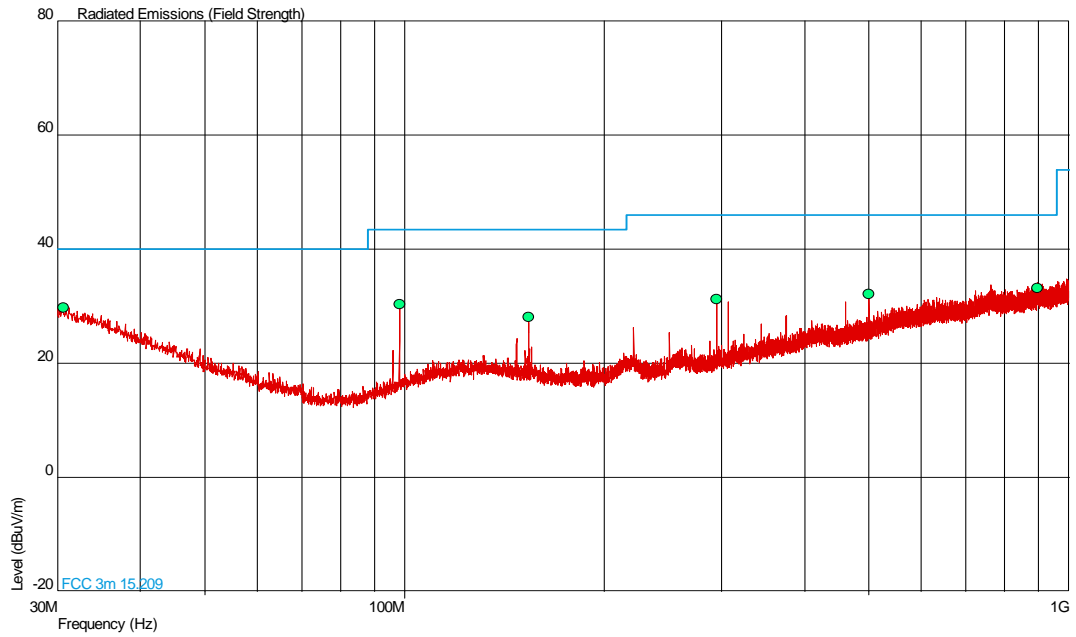


Product Service

Frequency Band 4

5745 MHz

30 MHz to 1 GHz

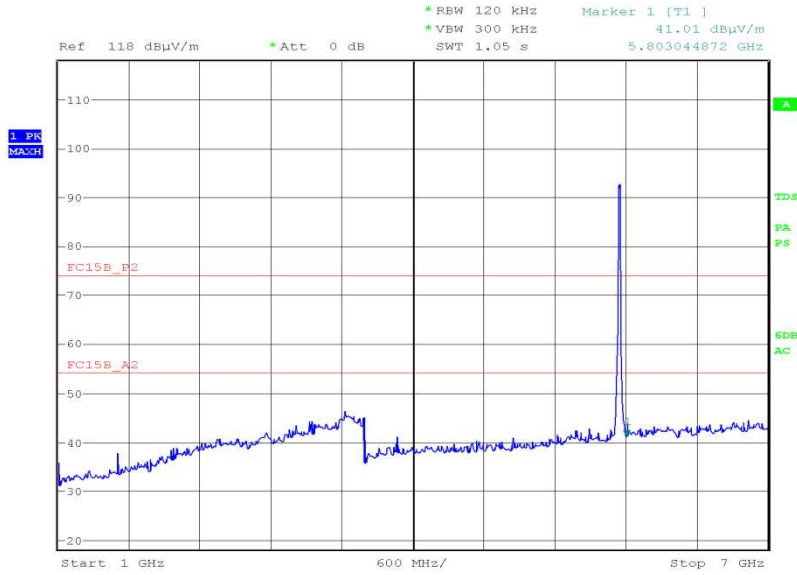


Frequency (MHz)	QP Level (dBuV/m)	QP Level (uV/m)	QP Limit (dBuV/m)	QP Limit (uV/m)	QP Margin (dBuV/m)	QP Margin (uV/m)	Angle (Deg)	Height(m)	Polarity
30.612	29.8	30.9	40.0	100	-10.2	69.1	130	1.00	Vertical
98.293	30.4	33.1	43.5	150	-13.1	116.9	360	1.25	Vertical
153.593	28.2	25.7	43.5	150	-15.3	124.3	55	1.08	Vertical
294.906	31.2	36.3	46.0	200	-14.8	163.7	360	1.00	Horizontal
500.046	32.2	40.7	46.0	200	-13.8	159.3	0	1.00	Vertical
897.345	33.3	46.2	46.0	200	-12.7	153.8	216	1.00	Horizontal



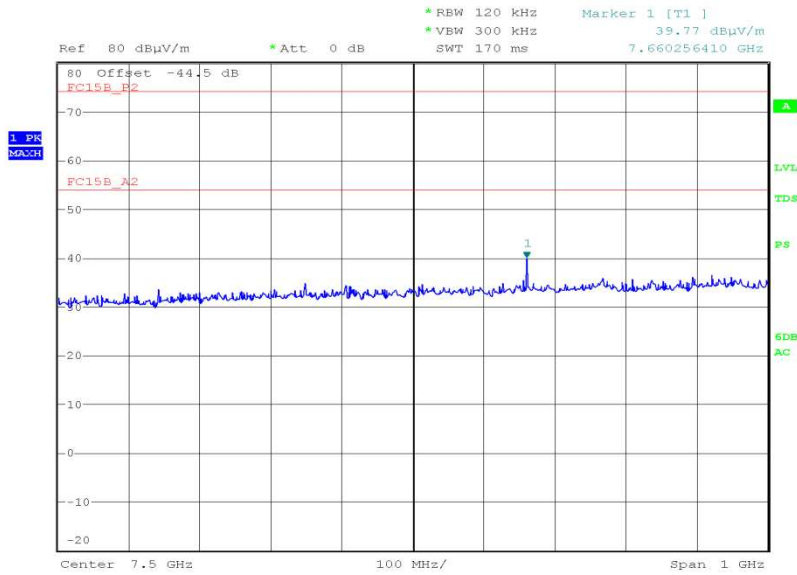
Product Service

1 GHz to 7 GHz



Date: 27.MAR.2012 23:15:20

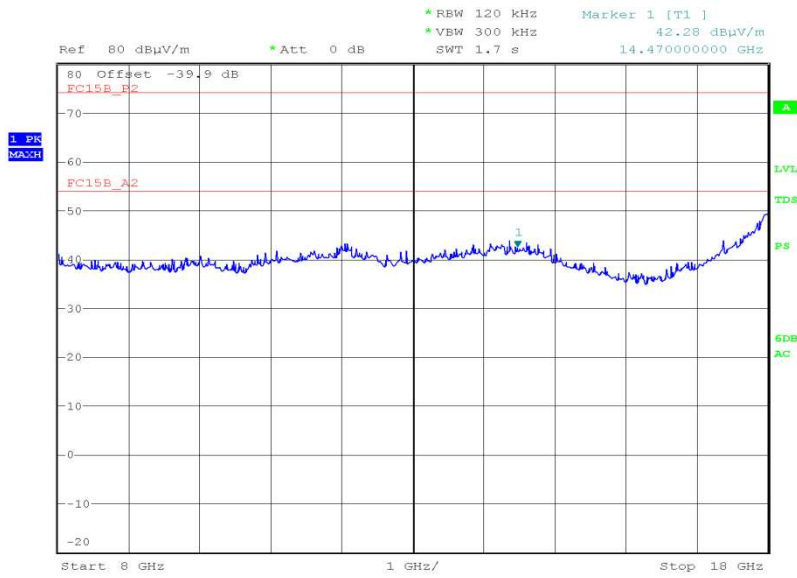
7 GHz to 8 GHz



Date: 2.APR.2012 19:37:20

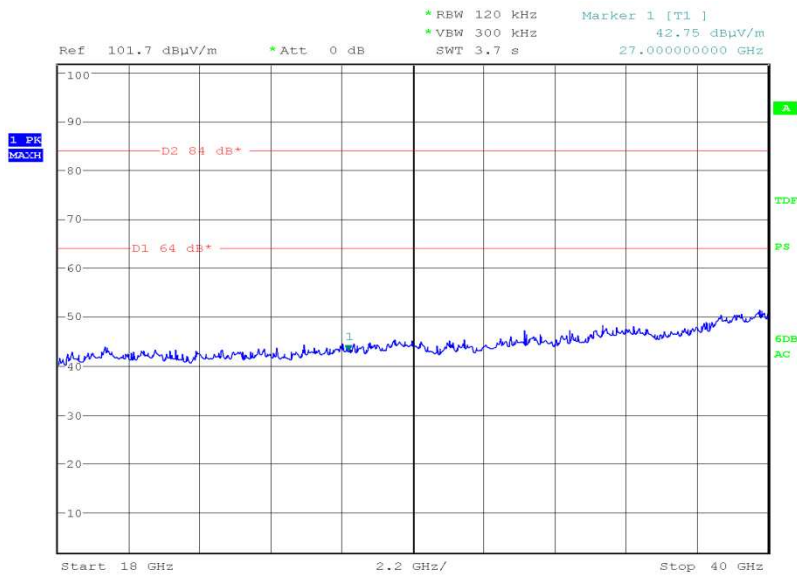


8 GHz to 18 GHz



Date: 2.APR.2012 22:47:23

18 GHz to 40 GHz



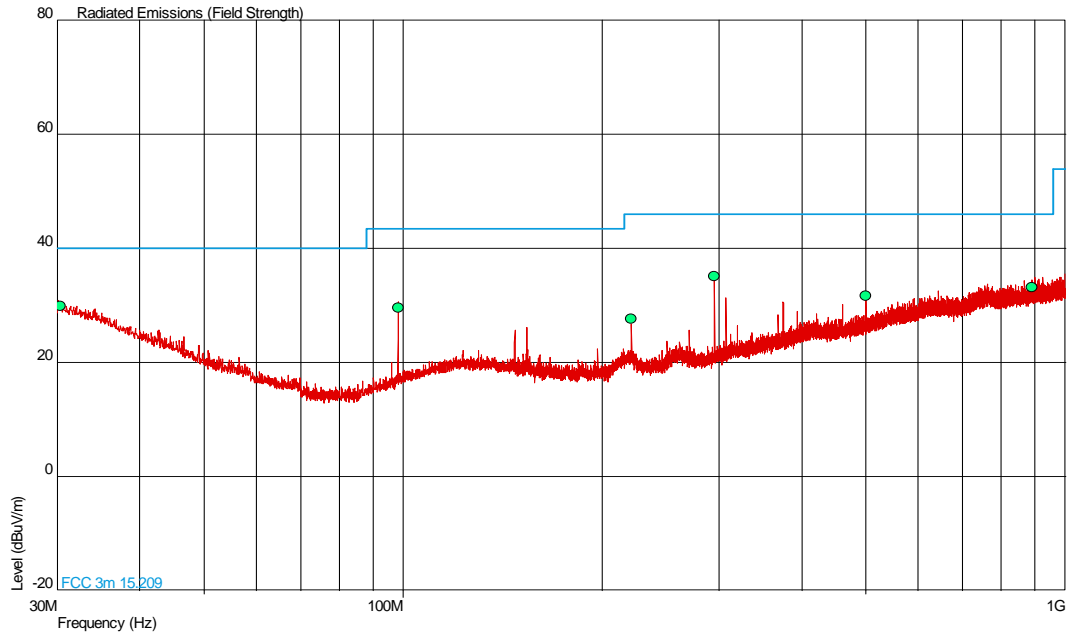
Date: 4.APR.2012 19:01:01



Product Service

5745 MHz

30 MHz to 1 GHz

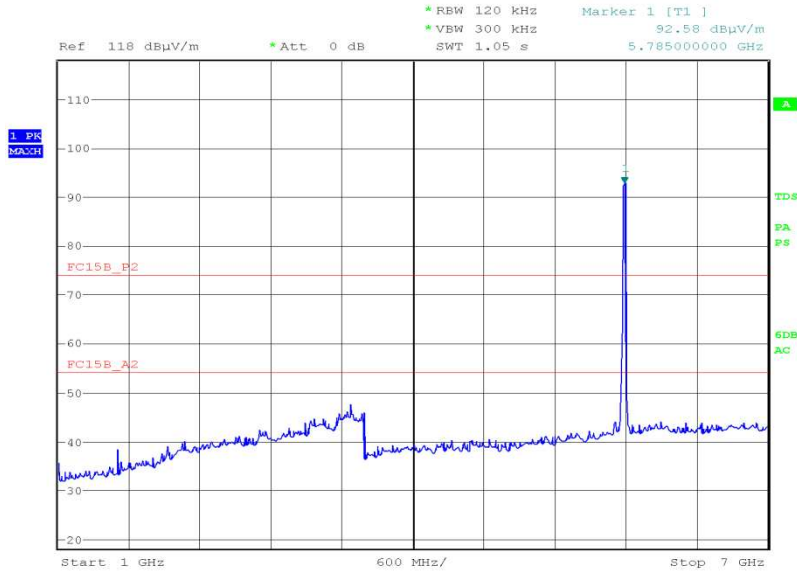


Frequency (MHz)	QP Level (dB μ V/m)	QP Level (μ V/m)	QP Limit (dB μ V/m)	QP Limit (μ V/m)	QP Margin (dB μ V/m)	QP Margin (μ V/m)	Angle (Deg)	Height(m)	Polarity
30.384	30.0	31.6	40.0	100	-10.0	68.4	204	2.83	Horizontal
98.284	29.6	30.2	43.5	150	-13.9	119.8	5	1.08	Vertical
221.182	27.6	24.0	46.0	200	-18.4	176.0	91	1.00	Vertical
294.909	35.1	56.9	46.0	200	-10.9	143.1	345	1.00	Horizontal
500.054	31.7	38.5	46.0	200	-14.3	161.5	0	1.03	Vertical
891.190	33.2	45.7	46.0	200	-12.8	154.3	49	1.03	Vertical



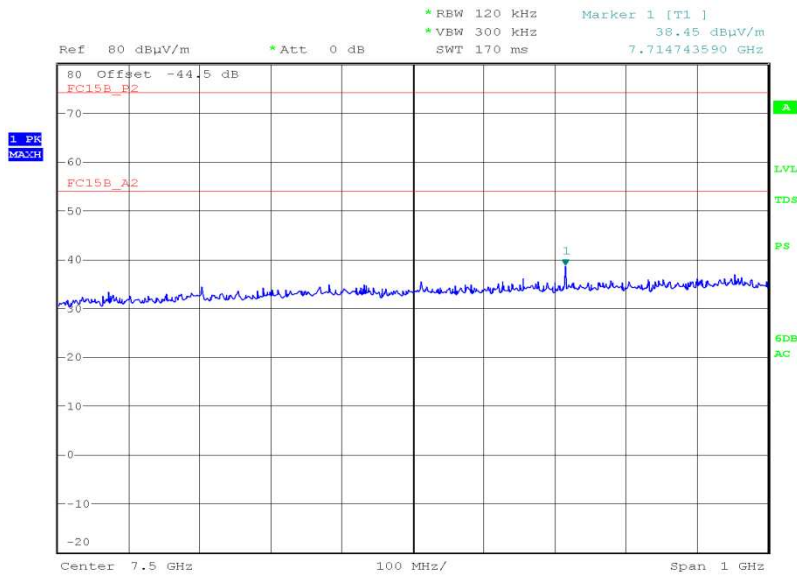
Product Service

1 GHz to 7 GHz



Date: 27.MAR.2012 23:32:44

7 GHz to 8 GHz

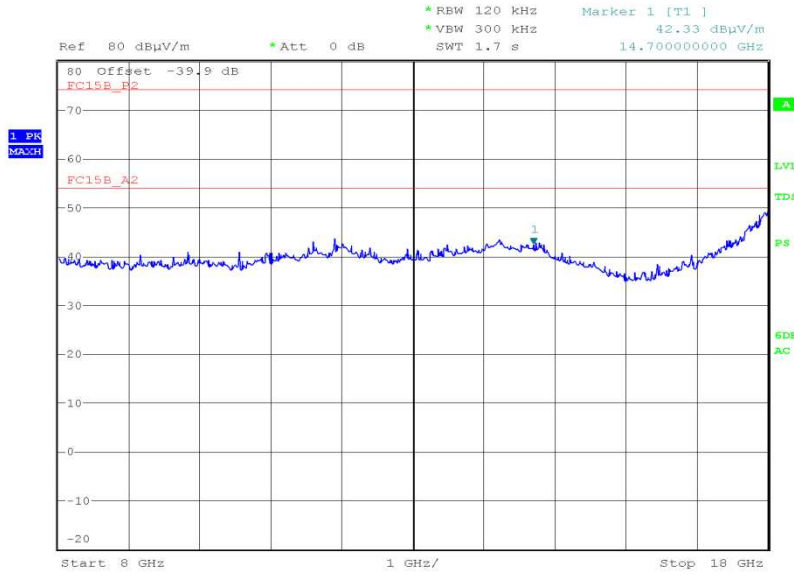


Date: 2.APR.2012 19:45:17



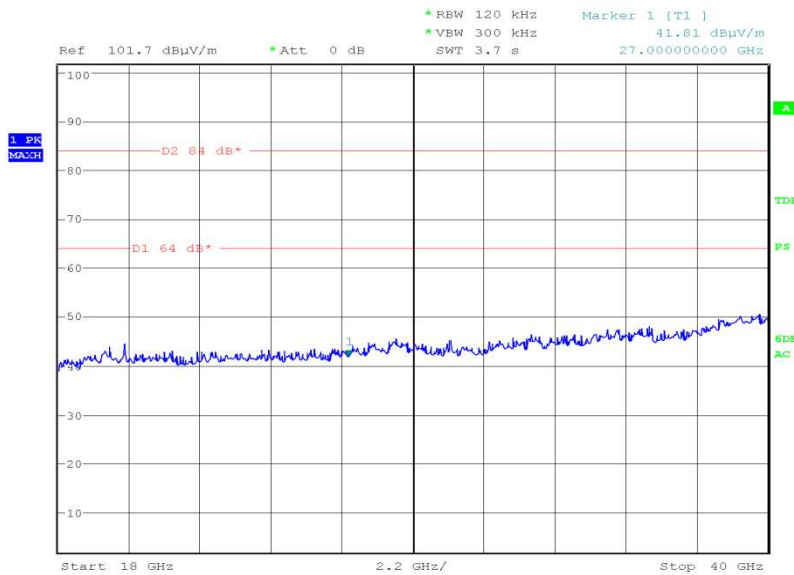
Product Service

8 GHz to 18 GHz



Date: 2.APR.2012 23:02:04

18 GHz to 40 GHz

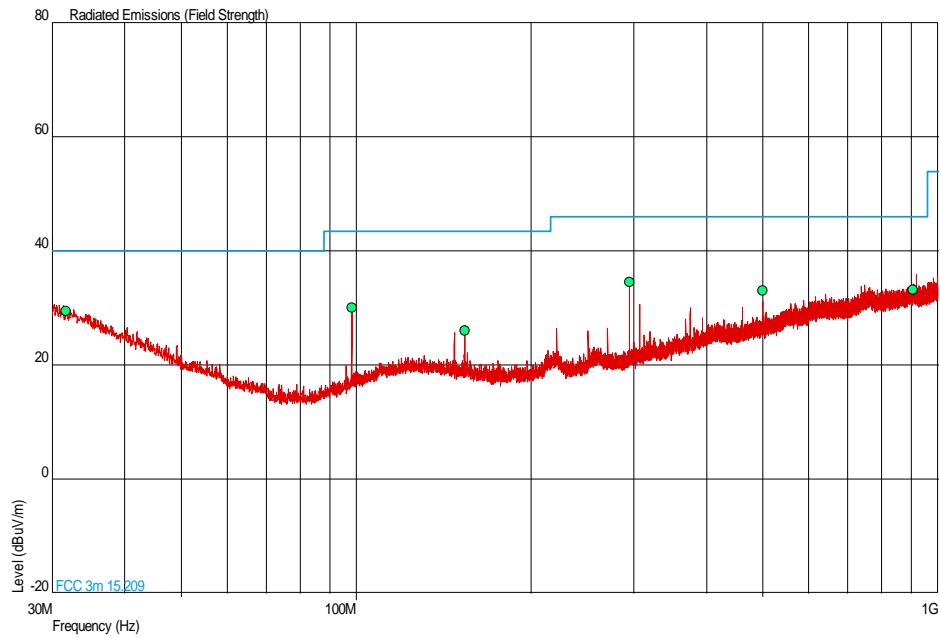


Date: 4.APR.2012 19:11:09



5805 MHz

30 MHz to 1 GHz

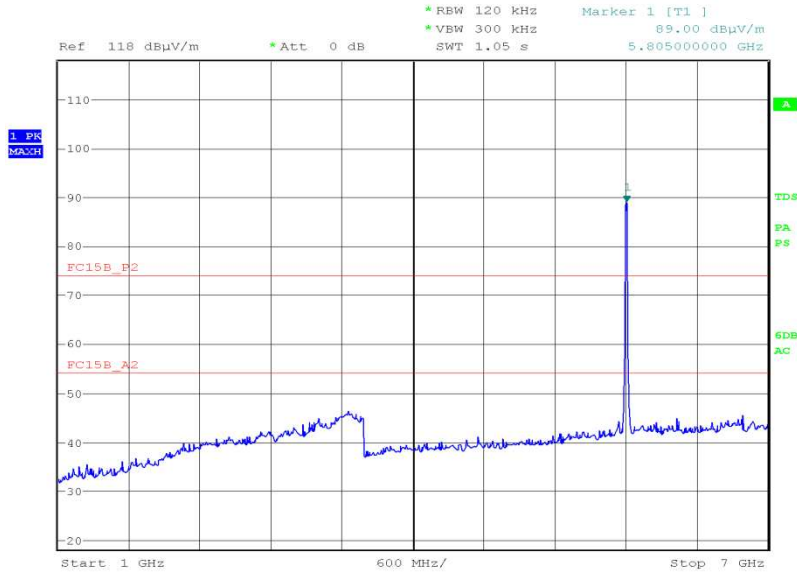


Frequency (MHz)	QP Level (dBµV/m)	QP Level (µV/m)	QP Limit (dBµV/m)	QP Limit (µV/m)	QP Margin (dBµV/m)	QP Margin (µV/m)	Angle (Deg)	Height(m)	Polarity
31.676	29.5	29.9	40.0	100	-10.5	70.1	228	1.00	Horizontal
98.298	30.1	32.0	43.5	150	-13.4	118.0	167	1.52	Vertical
153.586	26.0	20.0	43.5	150	-17.5	130.0	360	1.25	Vertical
294.919	34.6	53.7	46.0	200	-11.4	146.3	324	1.00	Horizontal
500.030	33.1	45.2	46.0	200	-12.9	154.8	179	1.52	Vertical
906.591	33.3	46.2	46.0	200	-12.7	153.8	219	1.00	Horizontal



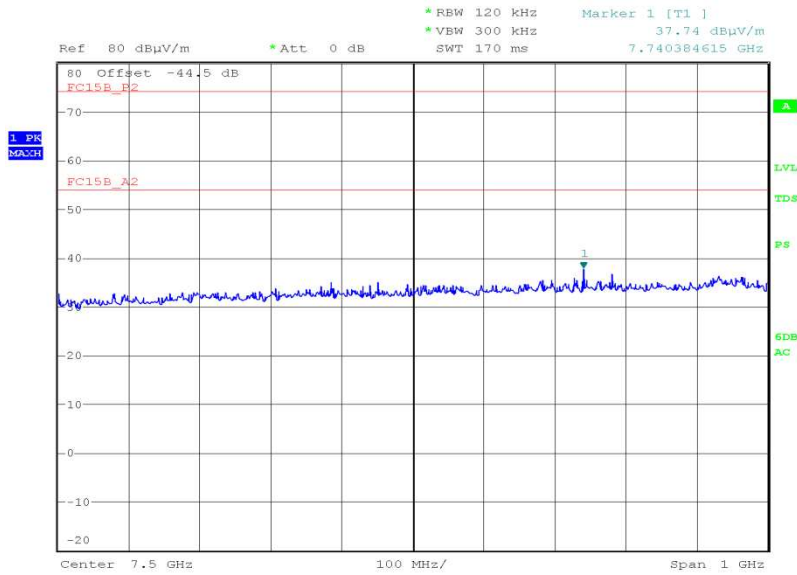
Product Service

1 GHz to 7 GHz



Date: 27.MAR.2012 23:49:21

7 GHz to 8 GHz

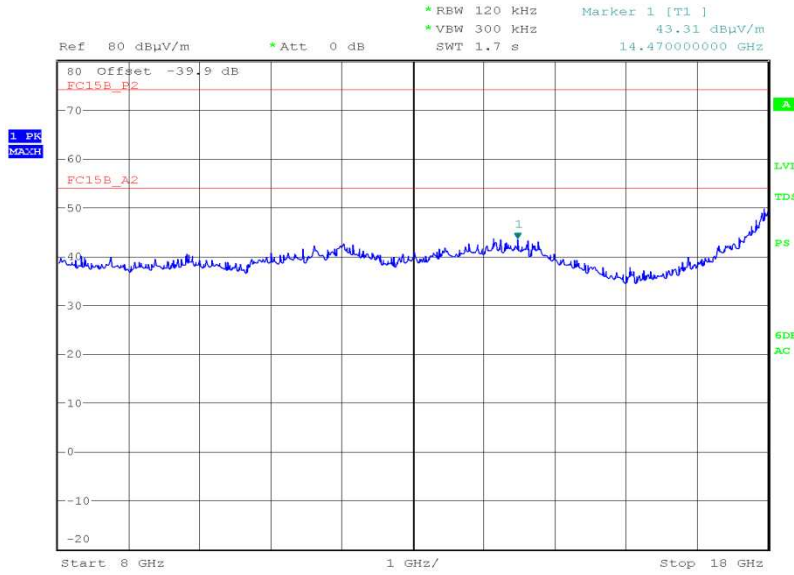


Date: 2.APR.2012 19:49:57



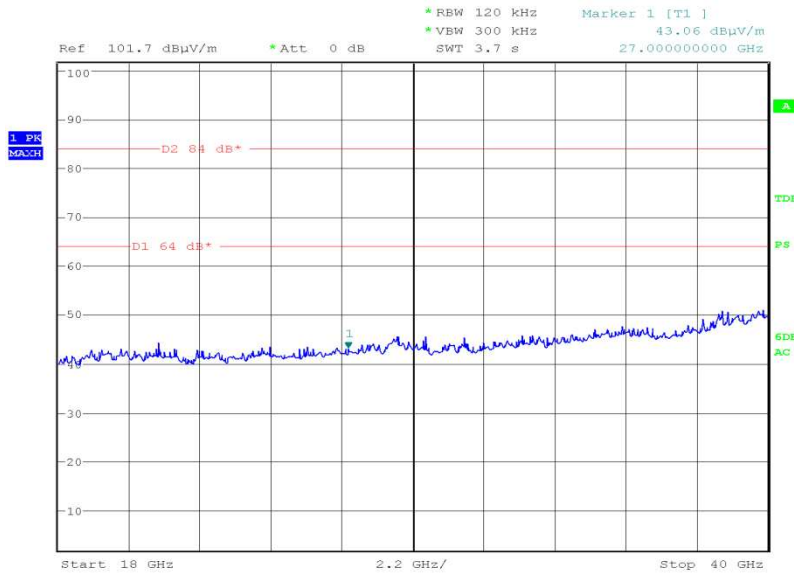
Product Service

8 GHz to 18 GHz



Date: 2.APR.2012 23:16:51

18 GHz to 40 GHz



Date: 4.APR.2012 19:23:10

Limit

Peak (dBμV/m)	Average (dBμV/m)
74.0	54.0



Product Service

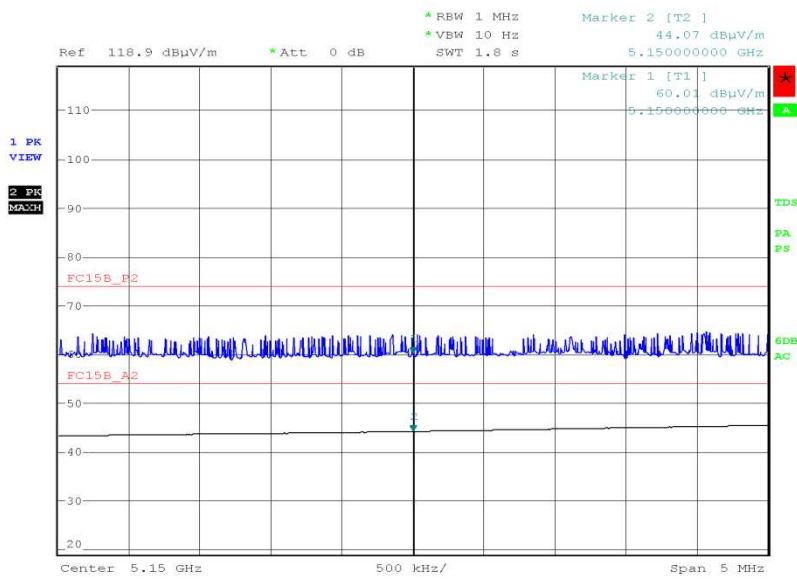
802.11(n) - 5 GHz, 20 MHz BW – Onboard PIFA Antenna

4V, 3.3V, 1.2V DC Supply

Band Edge Emissions

5180 MHz

Polarisation	Final Peak (dBµV/m)	Final Average (dBµV/m)
Horizontal	60.01	44.07



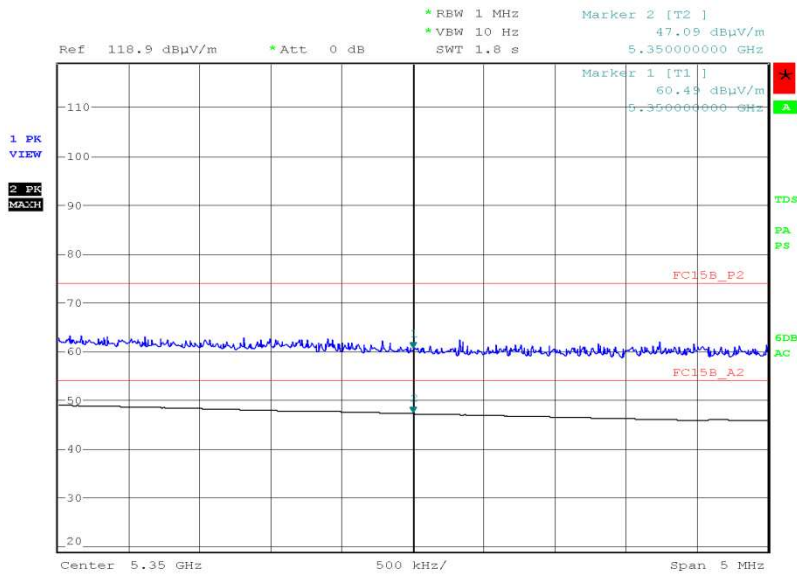
Date: 7.MAR.2012 19:12:34



Product Service

5320 MHz

Polarisation	Final Peak (dBµV/m)	Final Average (dBµV/m)
Horizontal	60.49	47.19

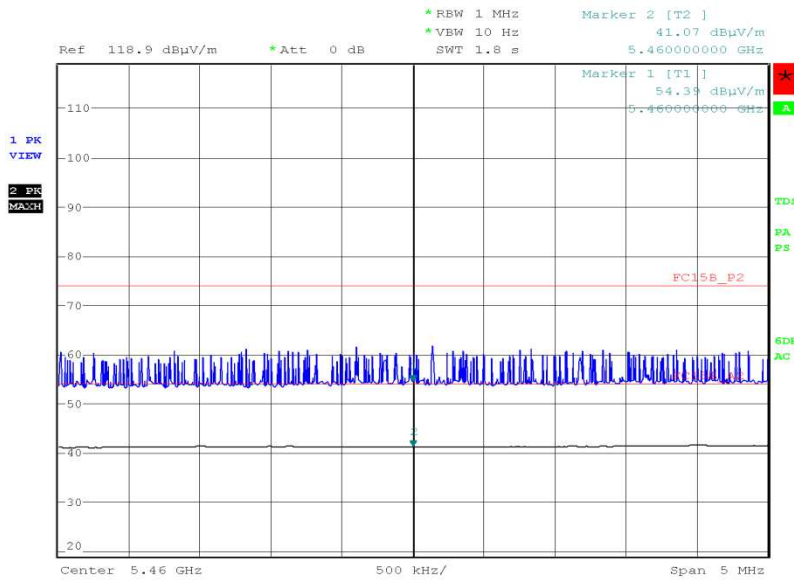


Date: 7.MAR.2012 19:23:46



5500 MHz

Polarisation	Final Peak (dBµV/m)	Final Average (dBµV/m)
Horizontal	51.39	41.07



Date: 7.MAR.2012 19:46:58

Limit

Peak (dBµV/m)	Average (dBµV/m)
74.0	54.0



Product Service

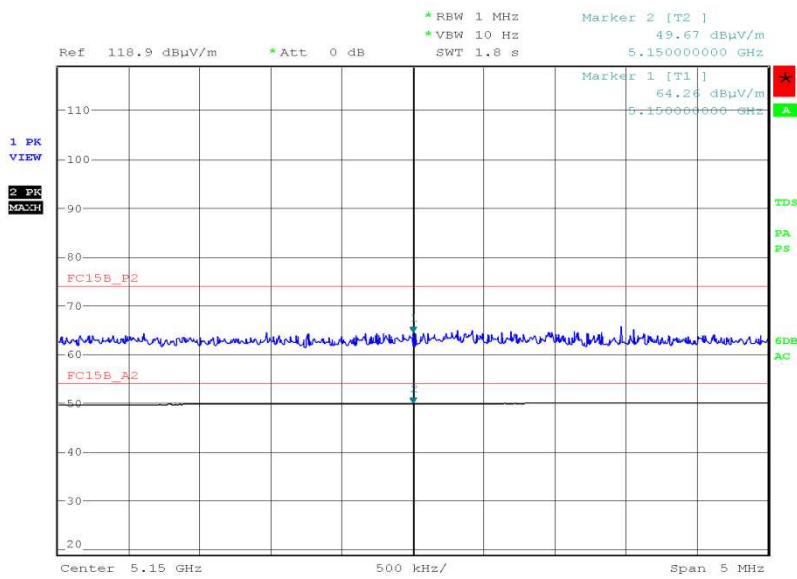
802.11(n) - 5 GHz, 40 MHz BW – Onboard PIFA Antenna

4V, 3.3V, 1.2V DC Supply

Band Edge Emissions

5190 MHz

Polarisation	Final Peak (dBµV/m)	Final Average (dBµV/m)
Horizontal	64.26	49.67

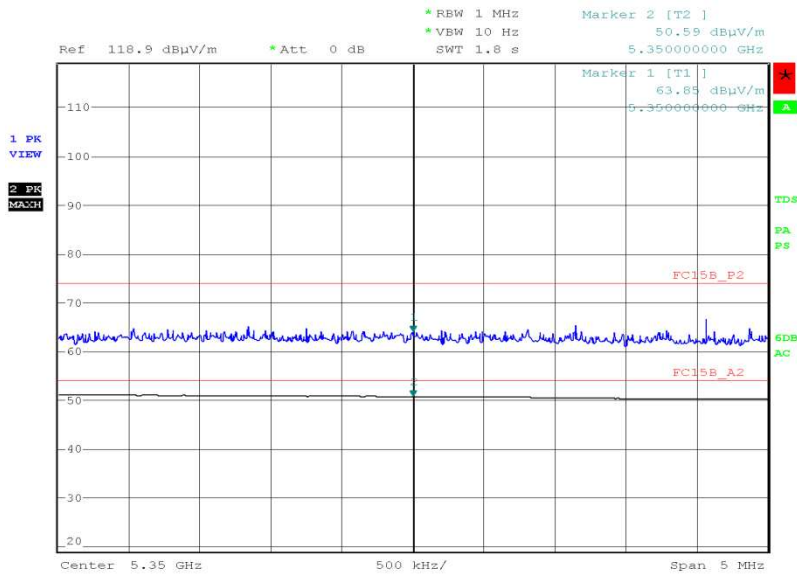


Date: 7.MAR.2012 20:33:40



5310 MHz

Polarisation	Final Peak (dBµV/m)	Final Average (dBµV/m)
Horizontal	63.85	50.59



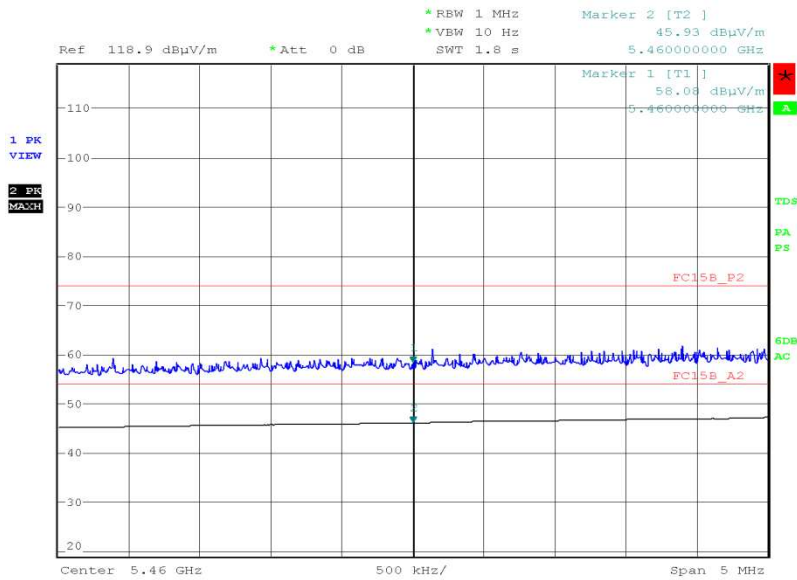
Date: 7.MAR.2012 20:18:50



Product Service

5510 MHz

Polarisation	Final Peak (dBµV/m)	Final Average (dBµV/m)
Horizontal	58.09	45.93



Date: 7.MAR.2012 20:45:35

Limit

Peak (dBµV/m)	Average (dBµV/m)
74.0	54.0



Product Service

2.4 FREQUENCY STABILITY

2.4.1 Specification Reference

FCC CFR 47 Part 15E, Clause 2.1055 and 15.407 (g)

2.4.2 Equipment Under Test and Modification State

Venice 6.5 S/N: RAD 103037 on Test Jig S/N: RAD103234 - Modification State 0

2.4.3 Date of Test

11 April 2012 & 27 April 2012

2.4.4 Test Equipment Used

The major items of test equipment used for the above tests are identified in Section 3.1.

2.4.5 Test Procedure

The EUT was set to transmit on maximum power with test model 1. In accordance with 2.1055, the temperature was varied from -30°C to +50° in 10° steps. Testing was performed on the top and middle channels of each band.

2.4.6 Environmental Conditions

Ambient Temperature	23.3 - 24.2°C
Relative Humidity	31.6 - 32.2%



Product Service

2.4.7 Test Results

802.11(a) – Onboard PIFA Antenna

4V, 3.3V, 1.2V DC Supply

Frequency Band 1

Temperature Interval	Supply Voltage	Frequency Error (ppm)	
		5180 MHz	5240 MHz
0°C	4V, 3.3V, 1.2V DC	2.85	2.78
+10°C	4V, 3.3V, 1.2V DC	1.33	1.30
+20°C	4V, 3.3V, 1.2V DC	-1.78	-1.49
	3.4 V, 2.805 V, 1.02 V DC	-1.01	-1.11
	4.6 V, 3.795 V, 1.38 V DC	-1.78	-1.91
-30°C	4V, 3.3V, 1.2V DC	-3.71	-3.75
+40°C	4V, 3.3V, 1.2V DC	-4.97	-4.43
+50°C	4V, 3.3V, 1.2V DC	-4.02	-4.11
+60°C	4V, 3.3V, 1.2V DC	-1.19	-2.05
+70°C	4V, 3.3V, 1.2V DC	4.51	5.28
Maximum Frequency Error (Hz)		-25725	27675

Frequency Band 2

Temperature Interval	Supply Voltage	Frequency Error (ppm)	
		5260 MHz	5320 MHz
0°C	4V, 3.3V, 1.2V DC	2.92	3.27
+10°C	4V, 3.3V, 1.2V DC	1.27	1.18
+20°C	4V, 3.3V, 1.2V DC	-1.48	-1.59
	3.4 V, 2.805 V, 1.02 V DC	-0.91	-1.18
	4.6 V, 3.795 V, 1.38 V DC	-1.97	-1.91
-30°C	4V, 3.3V, 1.2V DC	-3.87	-3.90
+40°C	4V, 3.3V, 1.2V DC	-4.44	-4.41
+50°C	4V, 3.3V, 1.2V DC	-4.10	-4.07
+60°C	4V, 3.3V, 1.2V DC	-2.05	-1.99
+70°C	4V, 3.3V, 1.2V DC	3.90	4.00
Maximum Frequency Error (Hz)		-23350	-23475



Product Service

Frequency Band 3

Temperature Interval	Supply Voltage	Frequency Error (ppm)	
		5500 MHz	5700 MHz
0°C	4V, 3.3V, 1.2V DC	3.22	2.85
+10°C	4V, 3.3V, 1.2V DC	1.30	1.15
+20°C	4V, 3.3V, 1.2V DC	-1.54	-1.50
	3.4 V, 2.805 V, 1.02 V DC	-0.94	-1.12
	4.6 V, 3.795 V, 1.38 V DC	-1.74	-0.21
-30°C	4V, 3.3V, 1.2V DC	-3.74	-3.9
+40°C	4V, 3.3V, 1.2V DC	-4.39	-4.78
+50°C	4V, 3.3V, 1.2V DC	-4.08	-4.07
+60°C	4V, 3.3V, 1.2V DC	-2.08	-1.75
+70°C	4V, 3.3V, 1.2V DC	3.90	4.15
Maximum Frequency Error (Hz)		-24125	-27273

Frequency Band 4

Temperature Interval	Supply Voltage	Frequency Error (ppm)	
		5745 MHz	5805 MHz
0°C	4V, 3.3V, 1.2V DC	3.23	2.88
+10°C	4V, 3.3V, 1.2V DC	1.21	1.10
+20°C	4V, 3.3V, 1.2V DC	-1.49	-1.48
	3.4 V, 2.805 V, 1.02 V DC	-1.25	-1.25
	4.6 V, 3.795 V, 1.38 V DC	-2.00	-2.00
-30°C	4V, 3.3V, 1.2V DC	-3.94	-4.05
+40°C	4V, 3.3V, 1.2V DC	-4.67	-4.67
+50°C	4V, 3.3V, 1.2V DC	-4.02	-4.02
+60°C	4V, 3.3V, 1.2V DC	-1.79	-1.74
+70°C	4V, 3.3V, 1.2V DC	4.17	4.20
Maximum Frequency Error (Hz)		-26850	-27125

Limit

Maintained within the band of operation under all conditions of normal operations as specified in the user's manual.
--



Product Service

802.11(n) - 5 GHz, 20 MHz BW – Onboard PIFA Antenna

4V, 3.3V, 1.2V DC Supply

Frequency Band 1

Temperature Interval	Supply Voltage	Frequency Error (ppm)	
		5180 MHz	5240 MHz
0°C	4V, 3.3V, 1.2V DC	2.85	2.78
+10°C	4V, 3.3V, 1.2V DC	1.33	1.3
+20°C	4V, 3.3V, 1.2V DC	-1.38	-1.49
	3.4 V, 2.805 V, 1.02 V DC	-1.01	-1.11
	4.6 V, 3.795 V, 1.38 V DC	-1.78	-1.91
-30°C	4V, 3.3V, 1.2V DC	-3.71	-3.75
+40°C	4V, 3.3V, 1.2V DC	-4.97	-4.43
+50°C	4V, 3.3V, 1.2V DC	-4.02	-4.11
+60°C	4V, 3.3V, 1.2V DC	-1.19	-2.05
+70°C	4V, 3.3V, 1.2V DC	4.51	5.28
Maximum Frequency Error (Hz)		25725	27675

Frequency Band 2

Temperature Interval	Supply Voltage	Frequency Error (ppm)	
		5260 MHz	5320 MHz
0°C	4V, 3.3V, 1.2V DC	2.92	3.27
+10°C	4V, 3.3V, 1.2V DC	1.27	1.18
+20°C	4V, 3.3V, 1.2V DC	-1.48	-1.59
	3.4 V, 2.805 V, 1.02 V DC	-0.91	-1.18
	4.6 V, 3.795 V, 1.38 V DC	-1.97	-1.91
-30°C	4V, 3.3V, 1.2V DC	-3.87	-3.90
+40°C	4V, 3.3V, 1.2V DC	-4.44	-4.41
+50°C	4V, 3.3V, 1.2V DC	-4.10	-4.07
+60°C	4V, 3.3V, 1.2V DC	-2.05	-1.99
+70°C	4V, 3.3V, 1.2V DC	3.90	4.00
Maximum Frequency Error (Hz)		21550	23475



Frequency Band 3

Temperature Interval	Supply Voltage	Frequency Error (ppm)	
		5500 MHz	5700 MHz
0°C	4V, 3.3V, 1.2V DC	3.22	2.85
+10°C	4V, 3.3V, 1.2V DC	1.30	1.15
+20°C	4V, 3.3V, 1.2V DC	-1.54	-1.5
	3.4 V, 2.805 V, 1.02 V DC	-0.94	-1.12
	4.6 V, 3.795 V, 1.38 V DC	-1.74	-0.21
-30°C	4V, 3.3V, 1.2V DC	-3.74	-3.90
+40°C	4V, 3.3V, 1.2V DC	-4.39	-4.78
+50°C	4V, 3.3V, 1.2V DC	-4.08	-4.07
+60°C	4V, 3.3V, 1.2V DC	-2.08	-1.75
+70°C	4V, 3.3V, 1.2V DC	3.90	4.15
Maximum Frequency Error (Hz)		24125	27273

Frequency Band 4

Temperature Interval	Supply Voltage	Frequency Error (ppm)	
		5745 MHz	5805 MHz
0°C	4V, 3.3V, 1.2V DC	3.23	2.88
+10°C	4V, 3.3V, 1.2V DC	1.21	1.10
+20°C	4V, 3.3V, 1.2V DC	-1.49	-1.48
	3.4 V, 2.805 V, 1.02 V DC	-1.25	-1.23
	4.6 V, 3.795 V, 1.38 V DC	-2.00	-2.04
-30°C	4V, 3.3V, 1.2V DC	-3.94	-4.05
+40°C	4V, 3.3V, 1.2V DC	-4.67	-4.67
+50°C	4V, 3.3V, 1.2V DC	-4.02	-4.02
+60°C	4V, 3.3V, 1.2V DC	-1.79	-1.74
+70°C	4V, 3.3V, 1.2V DC	4.17	4.20
Maximum Frequency Error (Hz)		26850	27125

Limit

Maintained within the band of operation under all conditions of normal operations as specified in the user's manual.
--



802.11(n) - 5 GHz 40 MHz BW – Onboard PIFA Antenna

4V, 3.3V, 1.2V DC Supply

Frequency Band 1

Temperature Interval	Supply Voltage	Frequency Error (ppm)	
		5190 MHz	5230 MHz
0°C	4V, 3.3V, 1.2V DC	2.89	2.50
+10°C	4V, 3.3V, 1.2V DC	1.03	1.01
+20°C	4V, 3.3V, 1.2V DC	-1.34	-1.47
	3.4 V, 2.805 V, 1.02 V DC	-0.86	-1.04
	4.6 V, 3.795 V, 1.38 V DC	-1.69	-1.89
-30°C	4V, 3.3V, 1.2V DC	-3.86	-3.89
+40°C	4V, 3.3V, 1.2V DC	-4.47	-4.52
+50°C	4V, 3.3V, 1.2V DC	-4.38	-4.46
+60°C	4V, 3.3V, 1.2V DC	-0.81	-1.44
+70°C	4V, 3.3V, 1.2V DC	5.28	5.51
Maximum Frequency Error (Hz)		27425	28800

Frequency Band 2

Temperature Interval	Supply Voltage	Frequency Error (ppm)	
		5270 MHz	5310 MHz
0°C	4V, 3.3V, 1.2V DC	2.58	2.7
+10°C	4V, 3.3V, 1.2V DC	0.9	0.97
+20°C	4V, 3.3V, 1.2V DC	-1.36	-1.42
	3.4 V, 2.805 V, 1.02 V DC	-1.01	-1.09
	4.6 V, 3.795 V, 1.38 V DC	-1.76	-2.0
-30°C	4V, 3.3V, 1.2V DC	-4.01	-3.43
+40°C	4V, 3.3V, 1.2V DC	-4.47	-4.52
+50°C	4V, 3.3V, 1.2V DC	-4.44	-4.44
+60°C	4V, 3.3V, 1.2V DC	-1.42	-1.41
+70°C	4V, 3.3V, 1.2V DC	3.99	4.06
Maximum Frequency Error (Hz)		-24000	-24625



Frequency Band 3

Temperature Interval	Supply Voltage	Frequency Error (ppm)	
		5510 MHz	5670 MHz
0°C	4V, 3.3V, 1.2V DC	2.99	3.04
+10°C	4V, 3.3V, 1.2V DC	1.0	1.26
+20°C	4V, 3.3V, 1.2V DC	-1.39	-1.46
	3.4 V, 2.805 V, 1.02 V DC	-0.94	-0.63
	4.6 V, 3.795 V, 1.38 V DC	-1.75	-1.32
-30°C	4V, 3.3V, 1.2V DC	-3.41	3.96
+40°C	4V, 3.3V, 1.2V DC	-4.47	-4.55
+50°C	4V, 3.3V, 1.2V DC	-4.40	-4.37
+60°C	4V, 3.3V, 1.2V DC	-1.45	-1.38
+70°C	4V, 3.3V, 1.2V DC	3.94	4.08
Maximum Frequency Error (Hz)		24625	25775

Frequency Band 4

Temperature Interval	Supply Voltage	Frequency Error (ppm)	
		5755 MHz	5795 MHz
0°C	4V, 3.3V, 1.2V DC	2.86	2.7
+10°C	4V, 3.3V, 1.2V DC	1.17	1.01
+20°C	4V, 3.3V, 1.2V DC	-1.55	-1.52
	3.4 V, 2.805 V, 1.02 V DC	-1.18	-1.15
	4.6 V, 3.795 V, 1.38 V DC	-1.98	-1.95
-30°C	4V, 3.3V, 1.2V DC	-4.01	-4.02
+40°C	4V, 3.3V, 1.2V DC	-4.53	-4.53
+50°C	4V, 3.3V, 1.2V DC	-4.17	-4.09
+60°C	4V, 3.3V, 1.2V DC	-1.34	-1.32
+70°C	4V, 3.3V, 1.2V DC	4.06	4.26
Maximum Frequency Error (Hz)		26075	26275

Limit

Maintained within the band of operation under all conditions of normal operations as specified in the user's manual.
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2.5 26 dB BANDWIDTH

2.5.1 Specification Reference

FCC CFR 47 Part 15E, Clause 15.407 (a)

2.5.2 Equipment Under Test and Modification State

Venice 6.5 S/N: RAD 103037 on Test Jig S/N: RAD103234 - Modification State 0

2.5.3 Date of Test

20 April 2012 & 23 April 2012

2.5.4 Test Equipment Used

The major items of test equipment used for the above tests are identified in Section 3.1.

2.5.5 Test Procedure

The EUT was transmitted at maximum power via an attenuator and cable connected to the spectrum analyser. The analyser settings were adjusted to display the resultant trace on screen and a resolution bandwidth and video bandwidth were set appropriately to perform the measurement correctly.

2.5.6 Environmental Conditions

Ambient Temperature	23.1 - 23.3°C
Relative Humidity	30.8 - 32.2%



Product Service

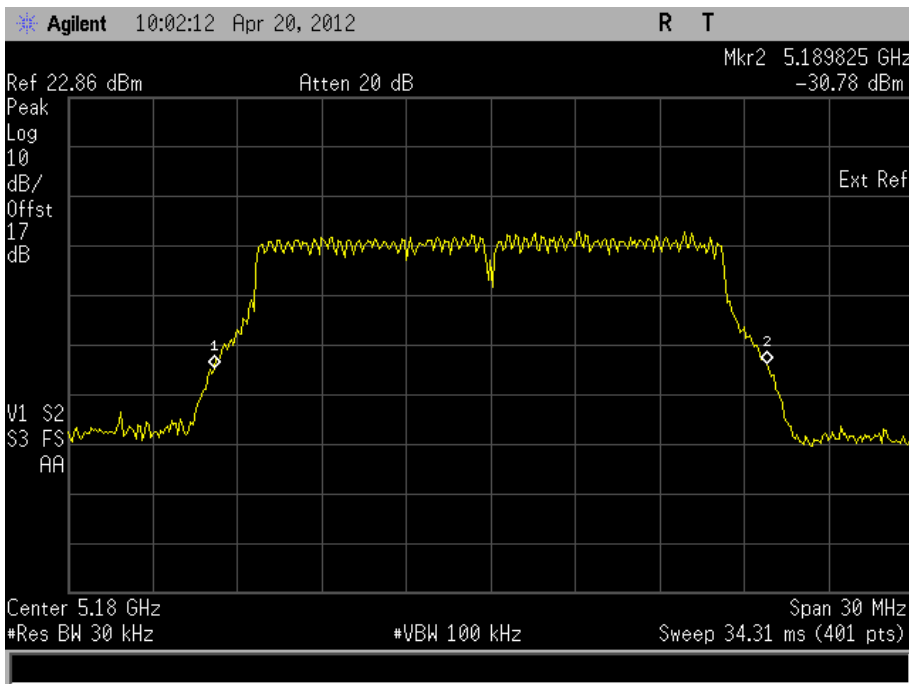
2.5.7 Test Results

802.11(a) – Onboard PIFA Antenna

Frequency Band 1

5180 MHz

26 dB Bandwidth (MHz)	19.650
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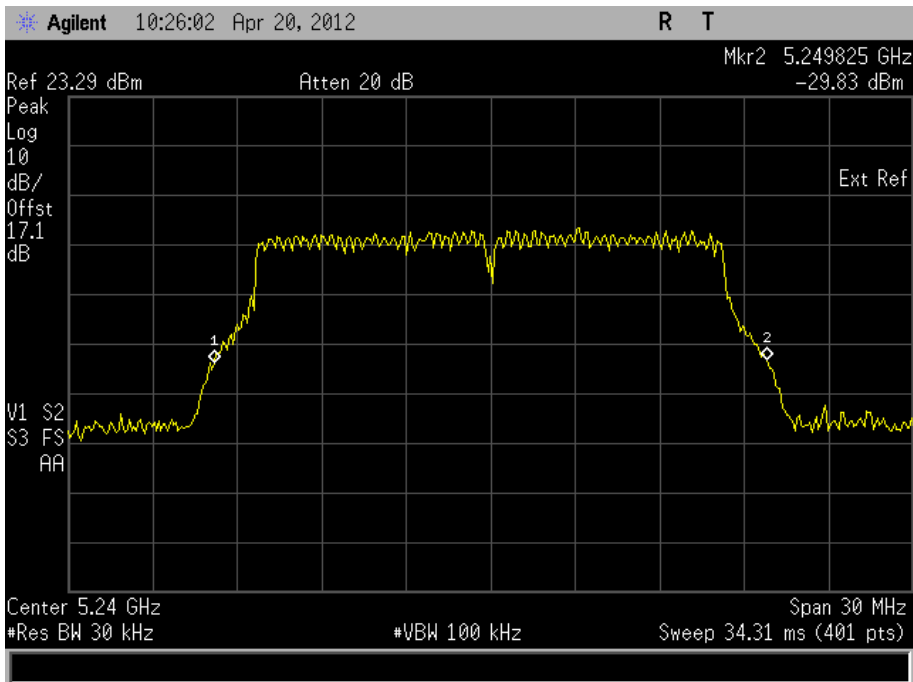




Product Service

5240 MHz

26 dB Bandwidth (MHz)	19.650
-----------------------	--------



The test was performed on the worst case data rate for 802.11(a) modulation. The worst case was deemed as the data rate which produced the highest level of conducted average power. This data rate was 54Mbps.

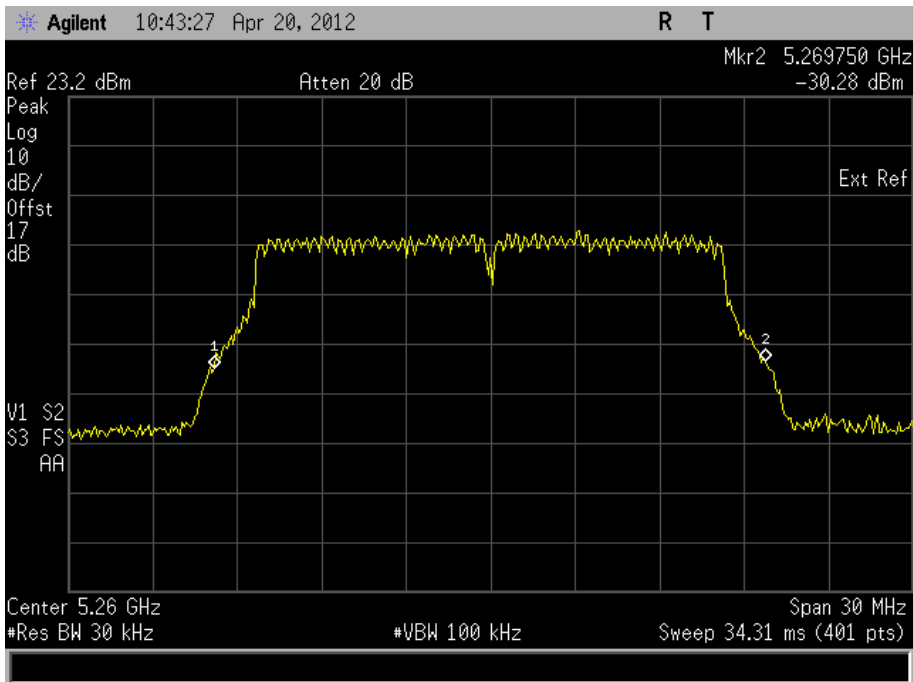


Product Service

Frequency Band 2

5260 MHz

26 dB Bandwidth (MHz)	19.575
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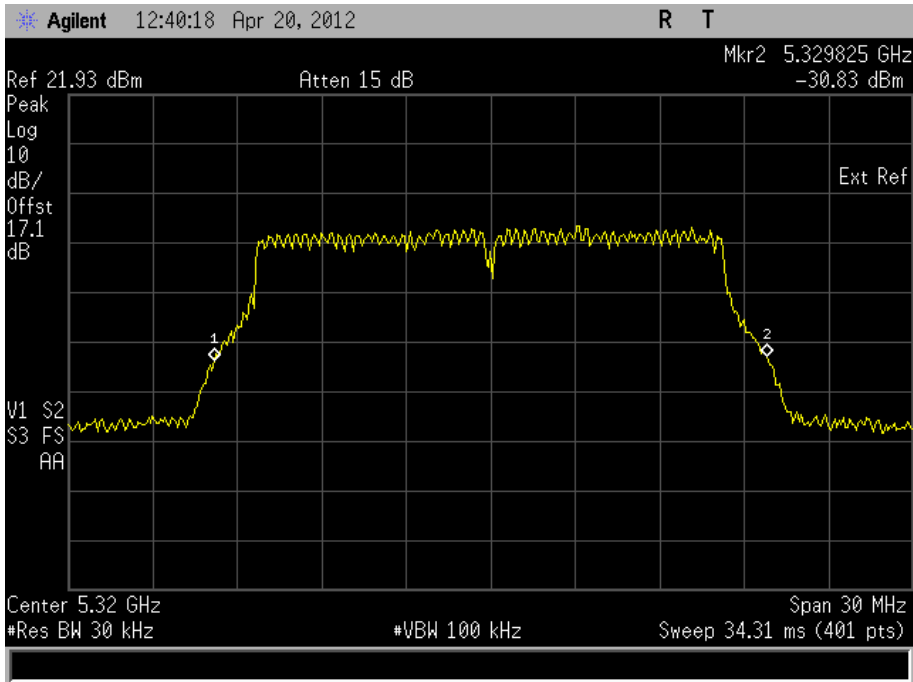




Product Service

5320 MHz

26 dB Bandwidth (MHz)	19.650
-----------------------	--------



The test was performed on the worst case data rate for 802.11(a) modulation. The worst case was deemed as the data rate which produced the highest level of conducted average power. This data rate was 54Mbps.

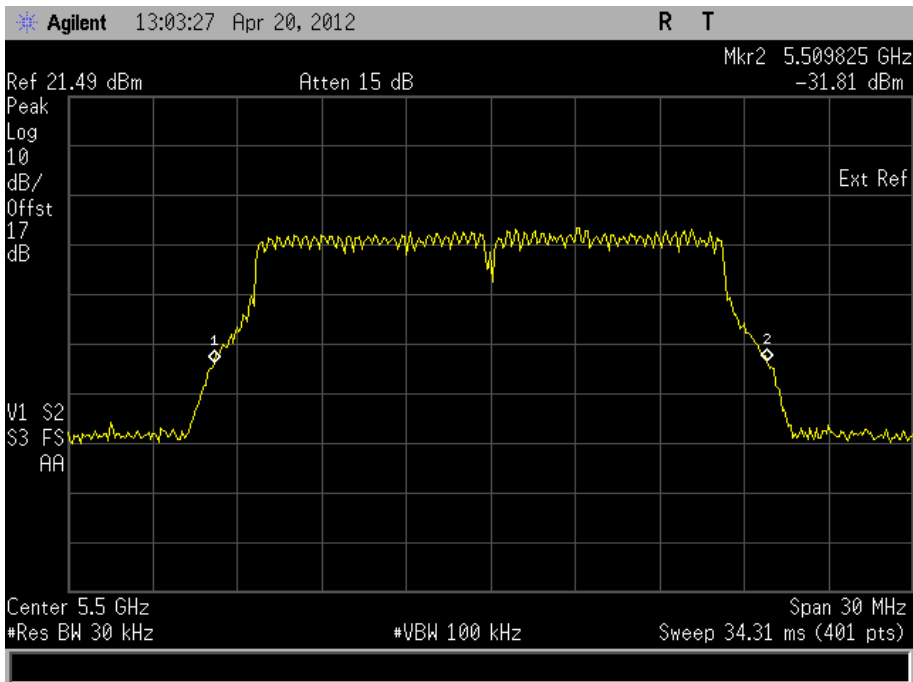


Product Service

Frequency Band 3

5500 MHz

26 dB Bandwidth (MHz)	19.650
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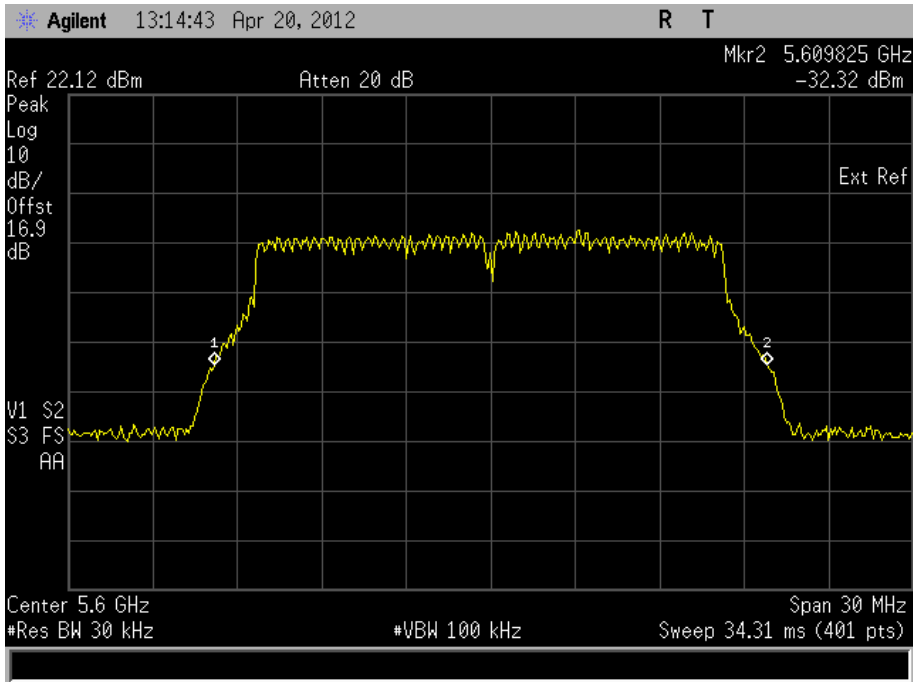




Product Service

5600 MHz

26 dB Bandwidth (MHz)	19.650
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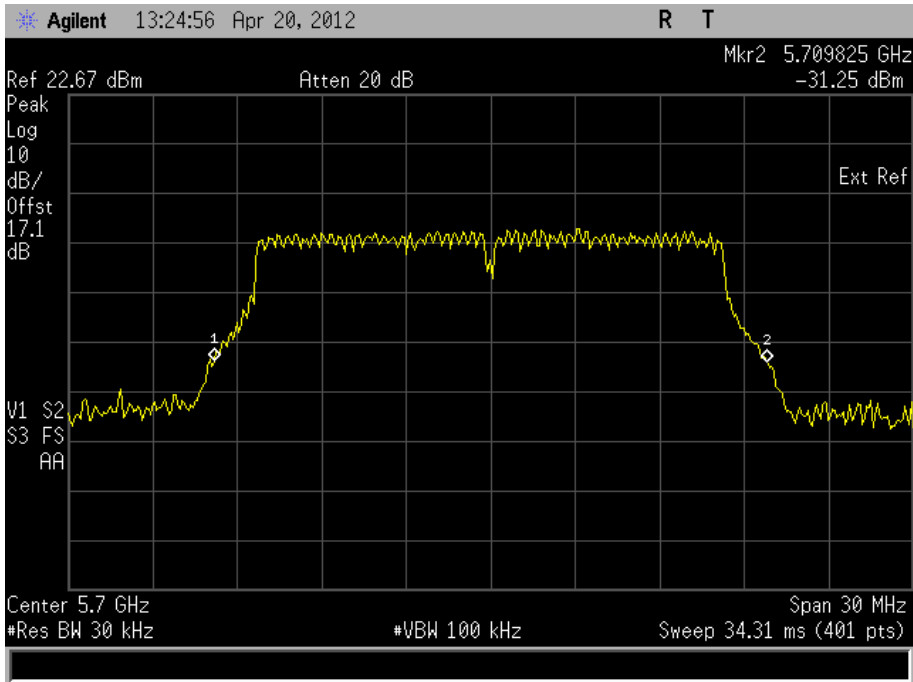




Product Service

5700 MHz

26 dB Bandwidth (MHz)	19.650
-----------------------	--------



The test was performed on the worst case data rate for 802.11(a) modulation. The worst case was deemed as the data rate which produced the highest level of conducted average power. This data rate was 54Mbps.

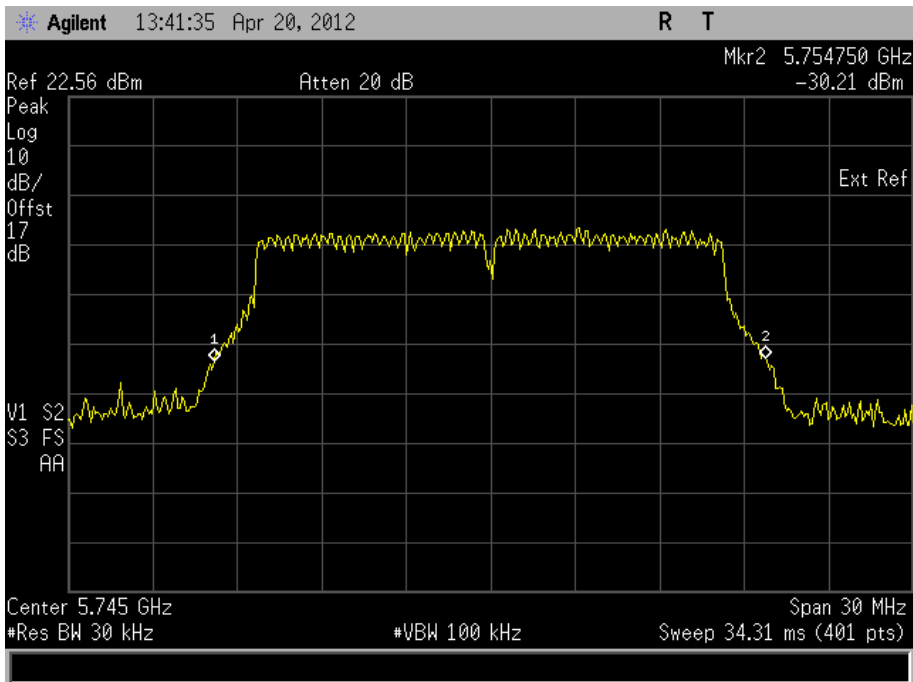


Product Service

Frequency Band 4

5745 MHz

26 dB Bandwidth (MHz)	19.575
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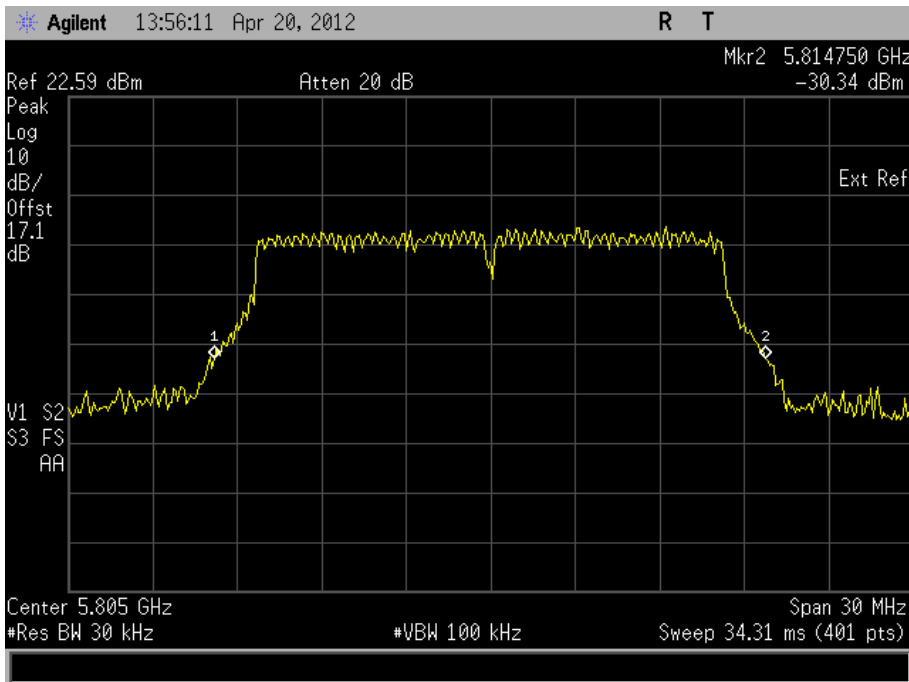




Product Service

5805 MHz

26 dB Bandwidth (MHz)	19.575
-----------------------	--------



The test was performed on the worst case data rate for 802.11(a) modulation. The worst case was deemed as the data rate which produced the highest level of conducted average power. This data rate was 54Mbps.

Limit

Not specified.



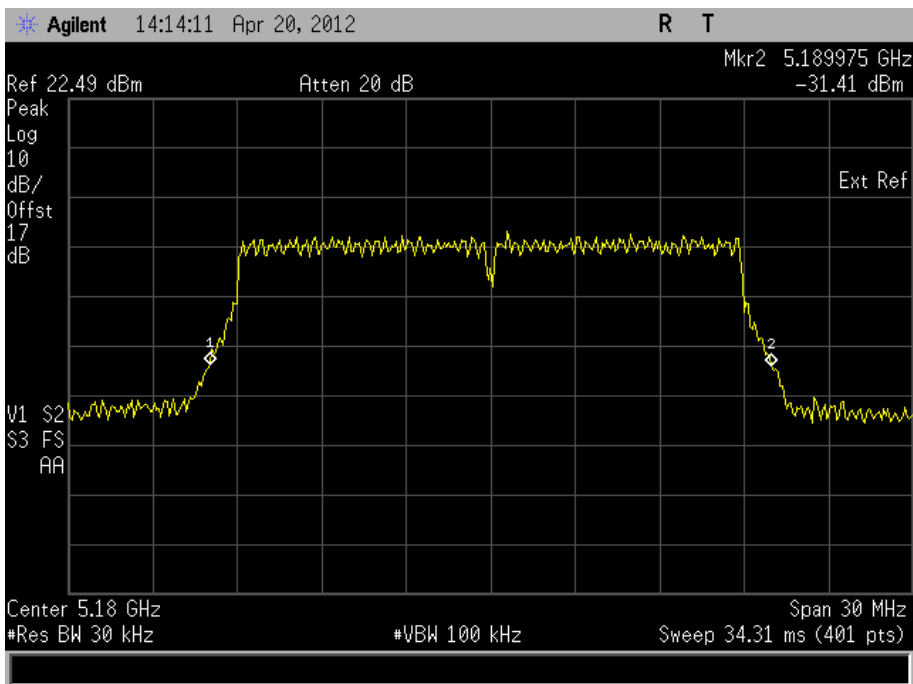
Product Service

802.11(n) - 5 GHz, 20 MHz BW – Onboard PIFA Antenna

Frequency Band 1

5180 MHz

26 dB Bandwidth (MHz)	19.950
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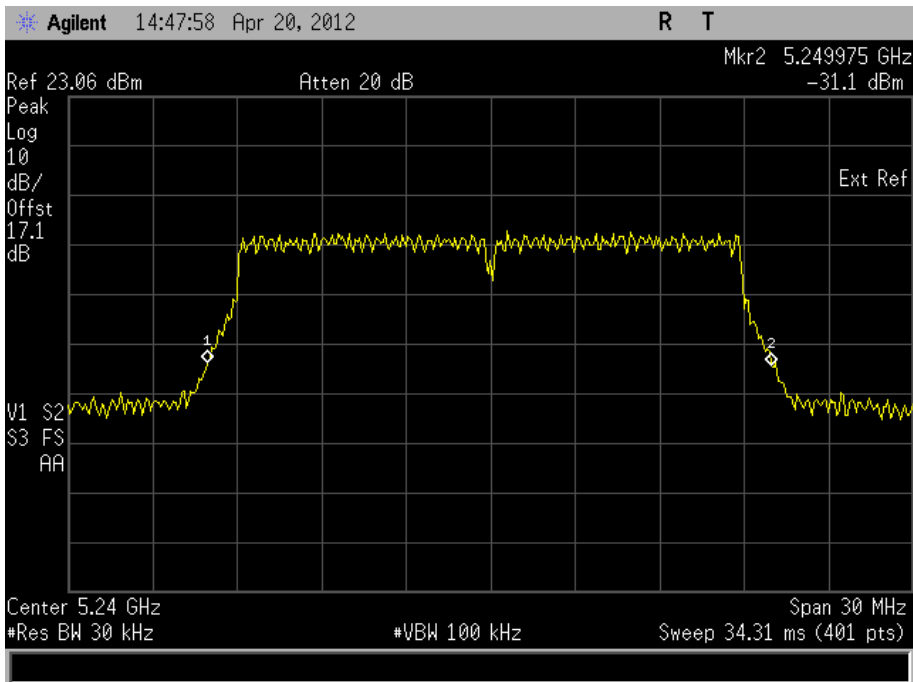




Product Service

5240 MHz

26 dB Bandwidth (MHz)	20.025
-----------------------	--------



The test was performed on the worst case data rate for 802.11(n) - 20 MHz BW modulation. The worst case was deemed as the data rate which produced the highest level of conducted average power. This data rate was 21.70 Mbps.

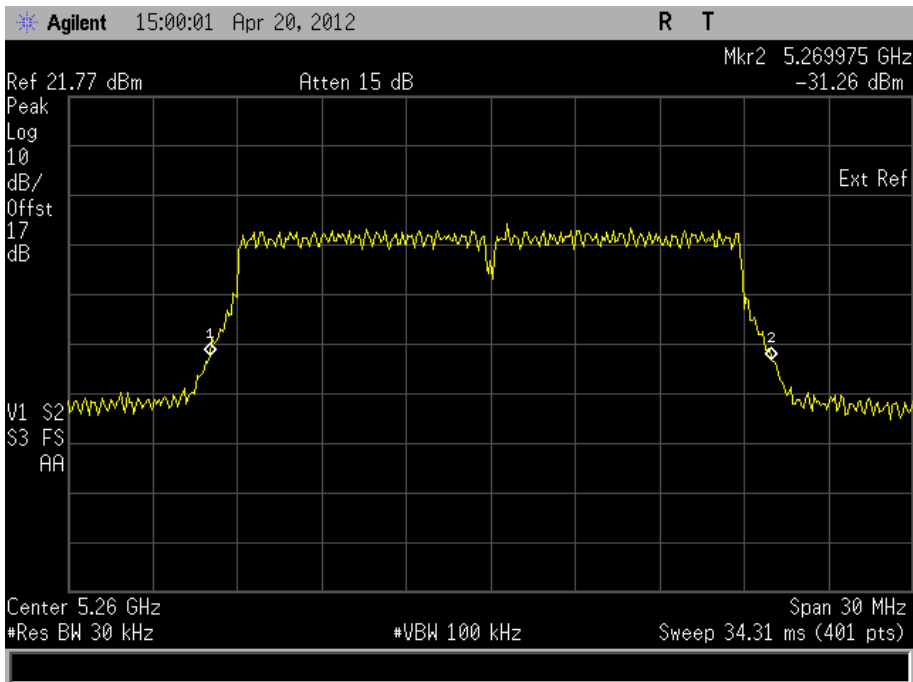


Product Service

Frequency Band 2

5260 MHz

26 dB Bandwidth (MHz)	19.950
-----------------------	--------

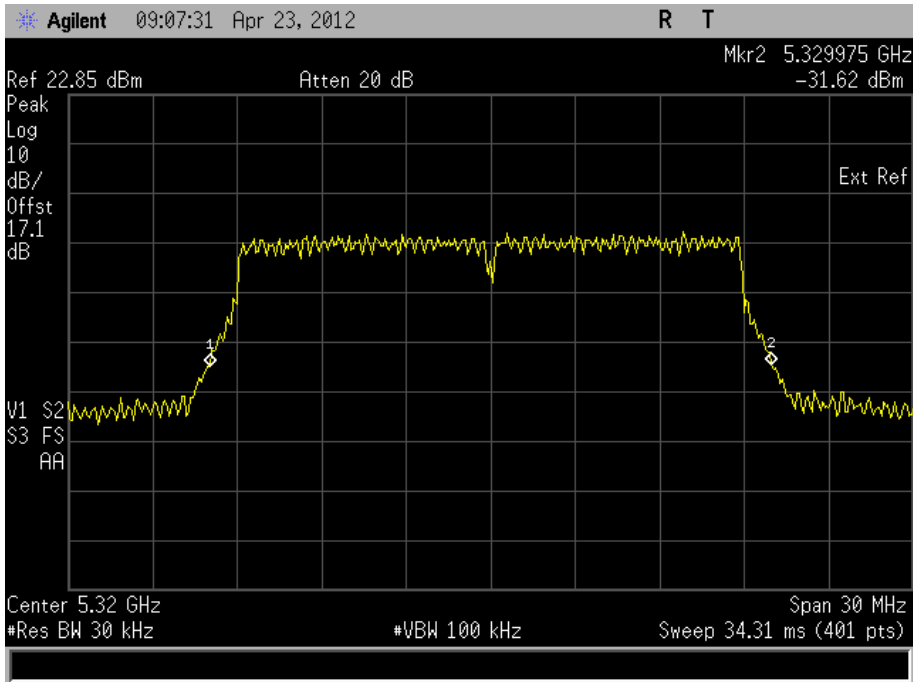




Product Service

5320 MHz

26 dB Bandwidth (MHz)	19.950
-----------------------	--------



The test was performed on the worst case data rate for 802.11(n) - 20 MHz BW modulation. The worst case was deemed as the data rate which produced the highest level of conducted average power. This data rate was 21.70 Mbps.

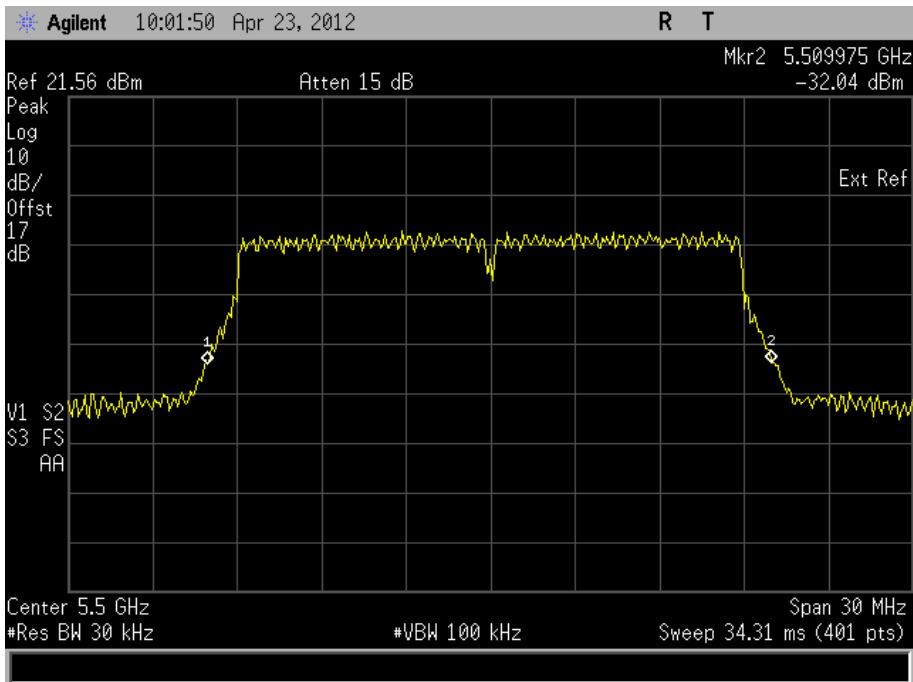


Product Service

Frequency Band 3

5500 MHz

26 dB Bandwidth (MHz)	20.025
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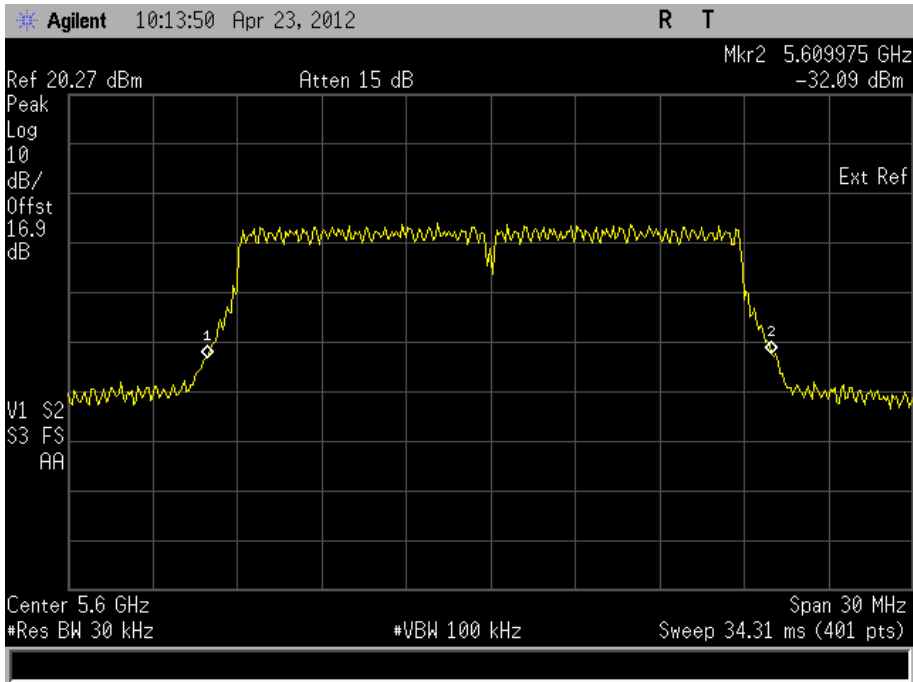




Product Service

5600 MHz

26 dB Bandwidth (MHz)	20.025
-----------------------	--------

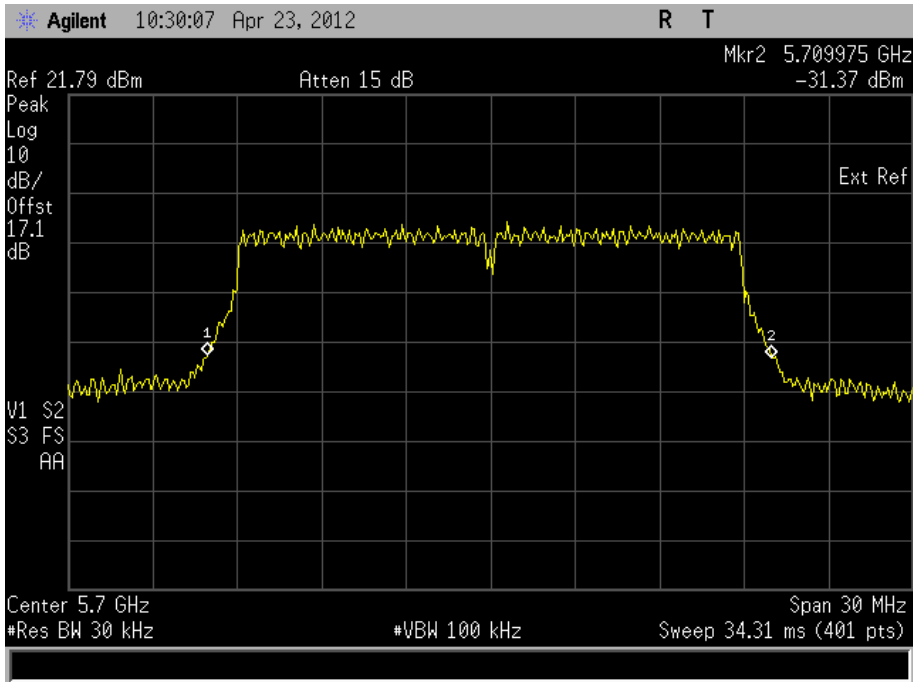




Product Service

5700 MHz

26 dB Bandwidth (MHz)	20.025
-----------------------	--------



The test was performed on the worst case data rate for 802.11(n) - 20 MHz BW modulation. The worst case was deemed as the data rate which produced the highest level of conducted average power. This data rate was 21.70 Mbps.

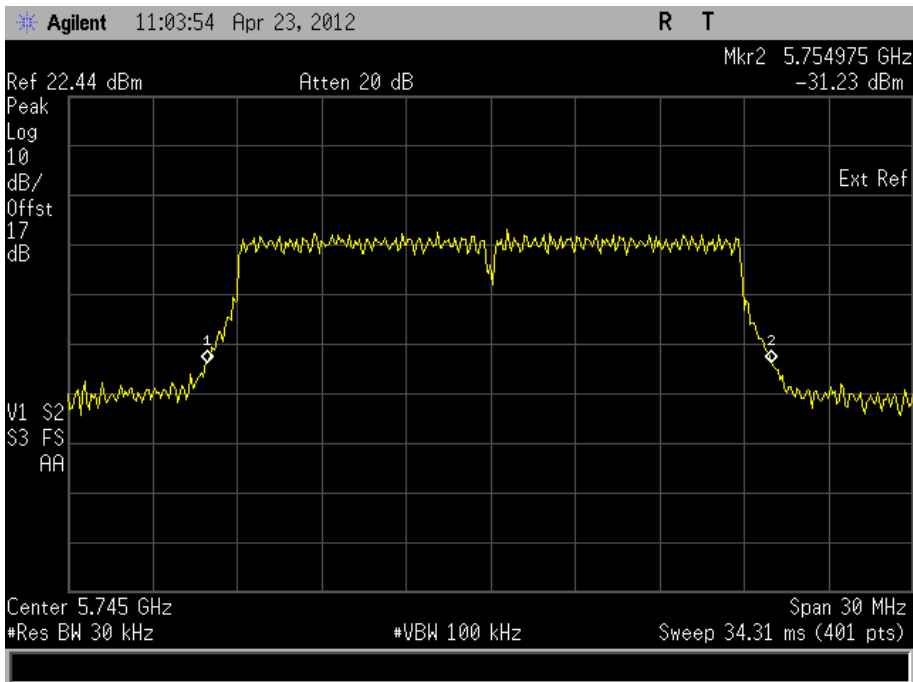


Product Service

Frequency Band 4

5745 MHz

26 dB Bandwidth (MHz)	20.025
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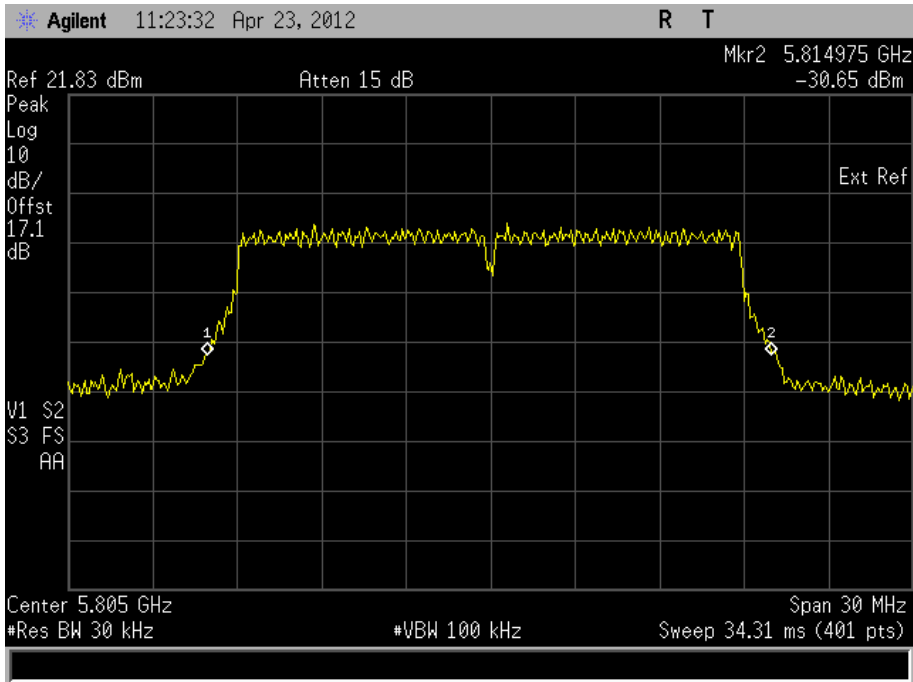




Product Service

5805 MHz

26 dB Bandwidth (MHz)	20.025
-----------------------	--------



The test was performed on the worst case data rate for 802.11(n) - 20 MHz BW modulation. The worst case was deemed as the data rate which produced the highest level of conducted average power. This data rate was 21.70 Mbps.

Limit

Not specified.



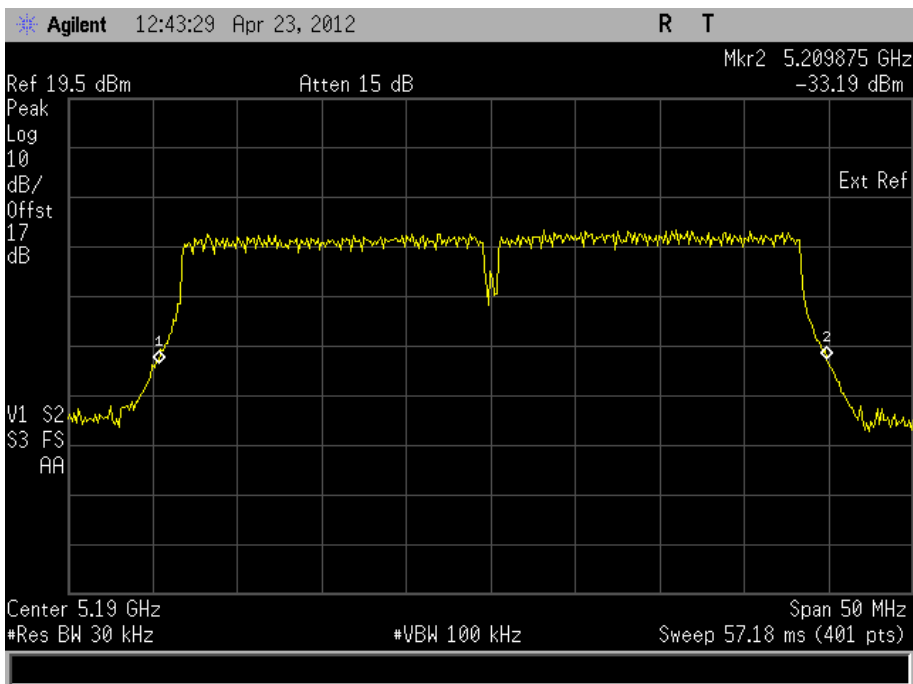
Product Service

802.11(n) - 5 GHz 40 MHz BW – Onboard PIFA Antenna

Frequency Band 1

5190 MHz

26 dB Bandwidth (MHz)	39.500
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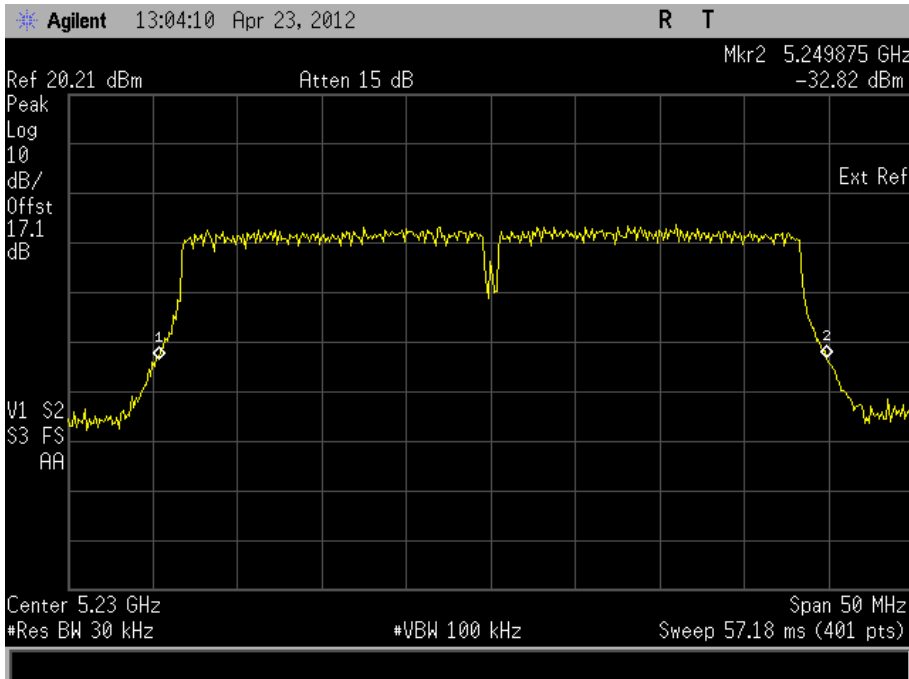




Product Service

5230 MHz

26 dB Bandwidth (MHz)	39.500
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The test was performed on the worst case data rate for 802.11(n) - 40 MHz BW modulation. The worst case was deemed as the data rate which produced the highest level of conducted average power. This data rate was 135Mbps.

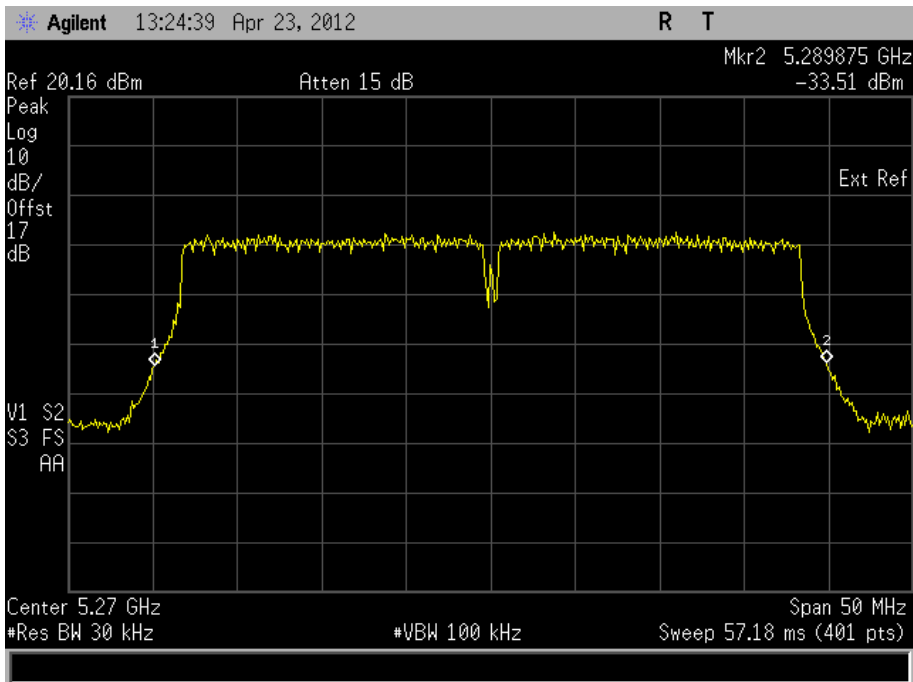


Product Service

Frequency Band 2

5270 MHz

26 dB Bandwidth (MHz)	39.750
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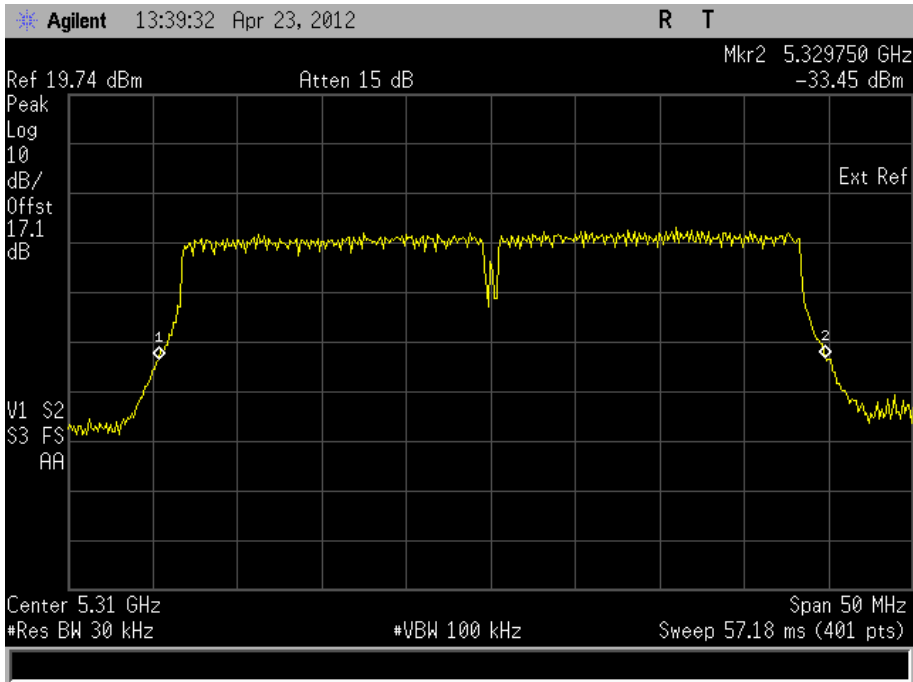




Product Service

5310 MHz

26 dB Bandwidth (MHz)	39.375
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The test was performed on the worst case data rate for 802.11(n) - 40 MHz BW modulation. The worst case was deemed as the data rate which produced the highest level of conducted average power. This data rate was 135Mbps.

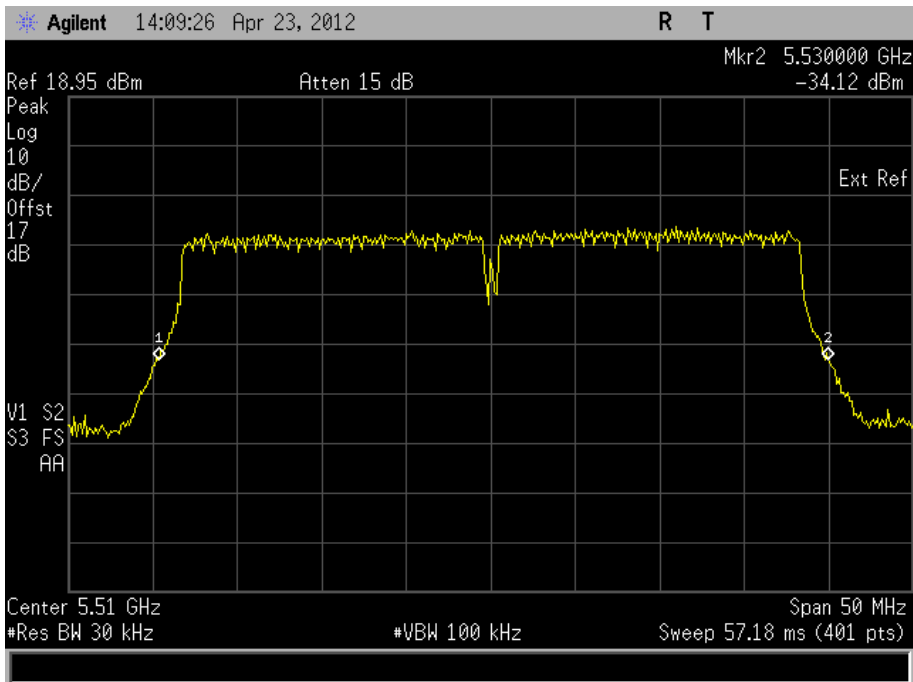


Product Service

Frequency Band 3

5510 MHz

26 dB Bandwidth (MHz)	39.625
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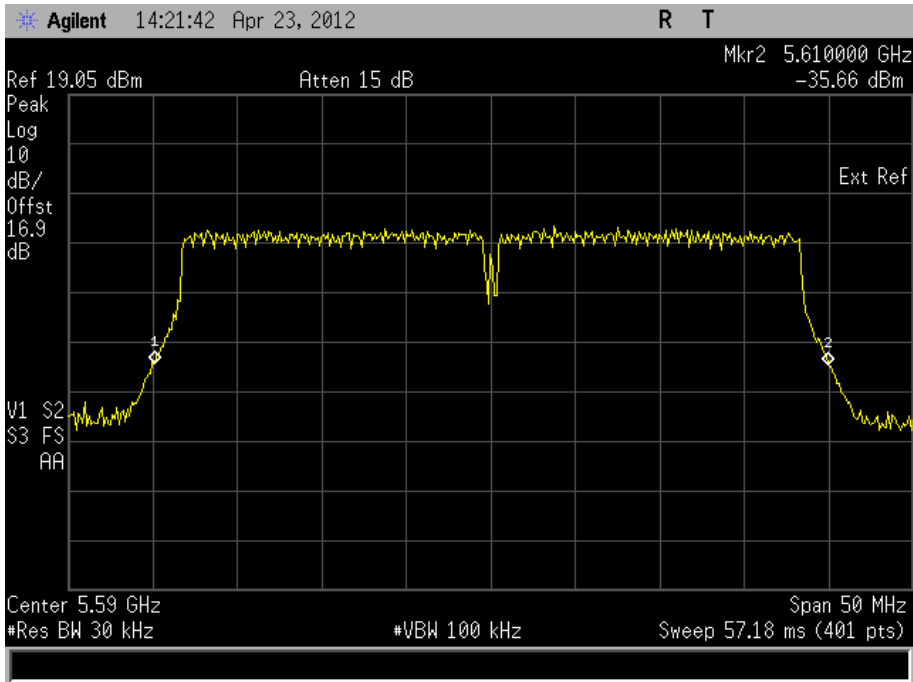




Product Service

5590 MHz

26 dB Bandwidth (MHz)	39.875
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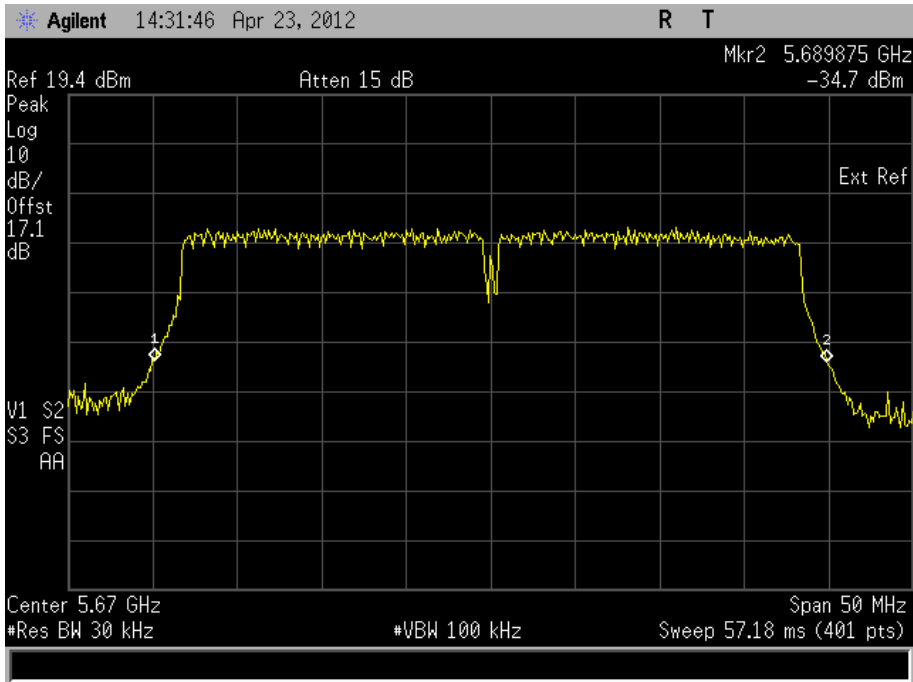




Product Service

5670 MHz

26 dB Bandwidth (MHz)	39.750
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The test was performed on the worst case data rate for 802.11(n) - 40 MHz BW modulation. The worst case was deemed as the data rate which produced the highest level of conducted average power. This data rate was 135Mbps.

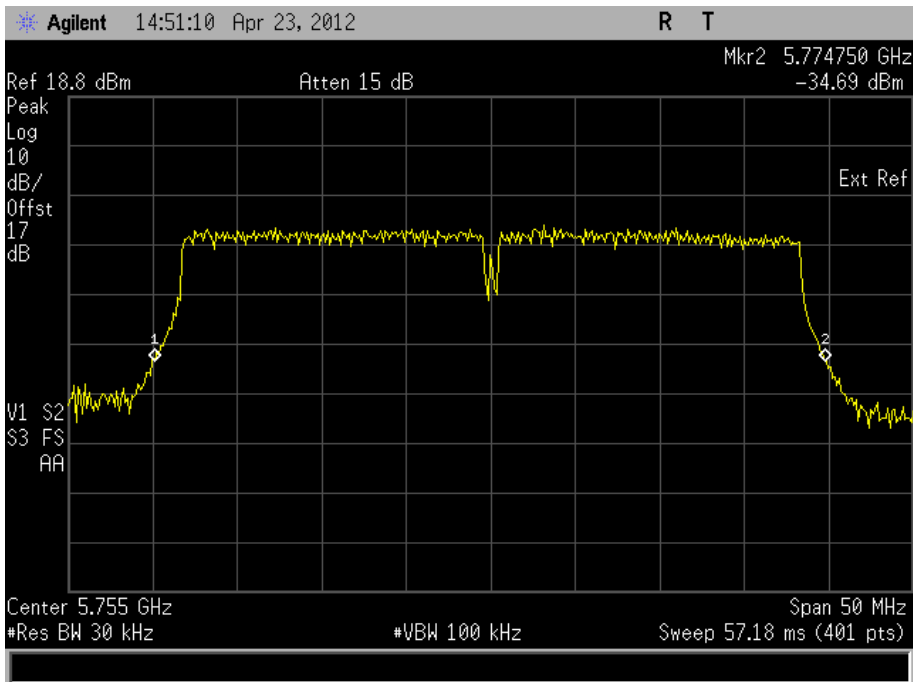


Product Service

Frequency Band 4

5755 MHz

26 dB Bandwidth (MHz)	39.625
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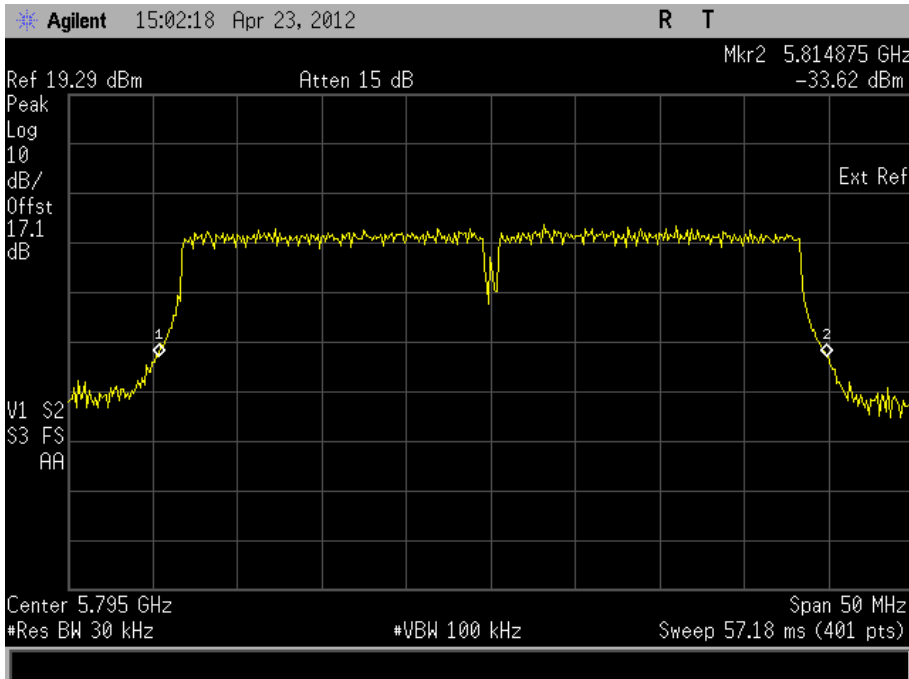




Product Service

5795 MHz

26 dB Bandwidth (MHz)	39.500
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The test was performed on the worst case data rate for 802.11(n) - 40 MHz BW modulation. The worst case was deemed as the data rate which produced the highest level of conducted average power. This data rate was 135Mbps.

Limit

Not specified.



2.6 99 % EMISSION BANDWIDTH

2.6.1 Specification Reference

Industry Canada RSS-210, Clause A9.2

2.6.2 Equipment Under Test and Modification State

Venice 6.5 S/N: RAD 103037 on Test Jig S/N: RAD103234 - Modification State 0

2.6.3 Date of Test

20 April 2012 & 23 April 2012

2.6.4 Test Equipment Used

The major items of test equipment used for the above tests are identified in Section 3.1.

2.6.5 Test Procedure

The EUT was transmitted at maximum power via an attenuator and cable connected to the spectrum analyser. The analyser settings were adjusted to display the resultant trace on screen and a resolution bandwidth and video bandwidth were set appropriately to perform the measurement correctly.

2.6.6 Environmental Conditions

Ambient Temperature	23.1 - 23.3°C
Relative Humidity	30.8 - 32.2%



Product Service

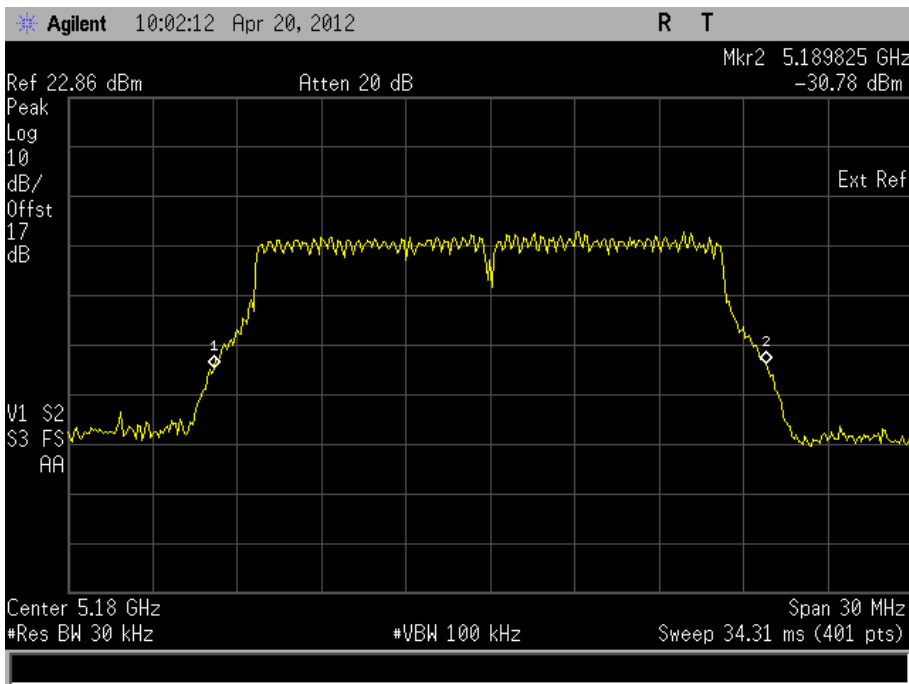
2.6.7 Test Results

802.11(a) – Onboard PIFA Antenna

Frequency Band 1

5180 MHz

99 % Emission Bandwidth (MHz)	19.650
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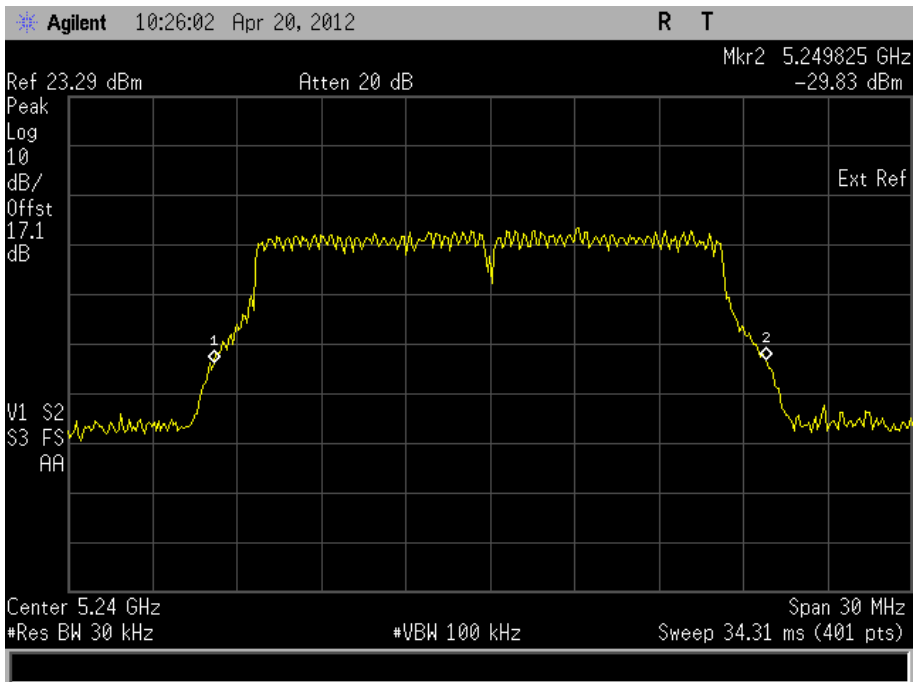




Product Service

5240 MHz

99 % Emission Bandwidth (MHz)	19.650
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The test was performed on the worst case data rate for 802.11(a) modulation. The worst case was deemed as the data rate which produced the highest level of conducted average power. This data rate was 54Mbps.

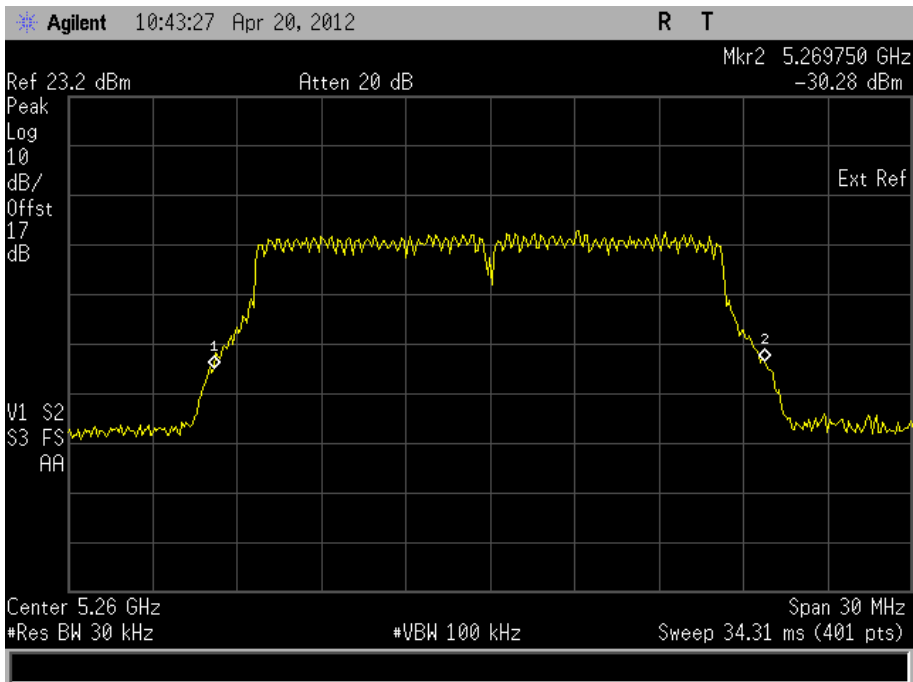


Product Service

Frequency Band 2

5260 MHz

99 % Emission Bandwidth (MHz)	19.575
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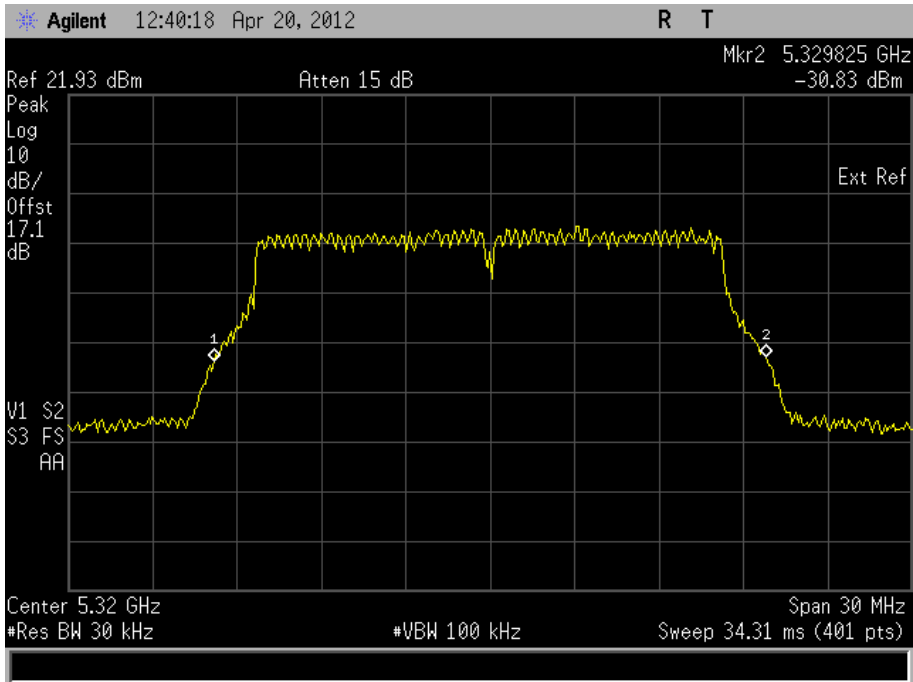




Product Service

5320 MHz

99 % Emission Bandwidth (MHz)	19.650
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The test was performed on the worst case data rate for 802.11(a) modulation. The worst case was deemed as the data rate which produced the highest level of conducted average power. This data rate was 54Mbps.

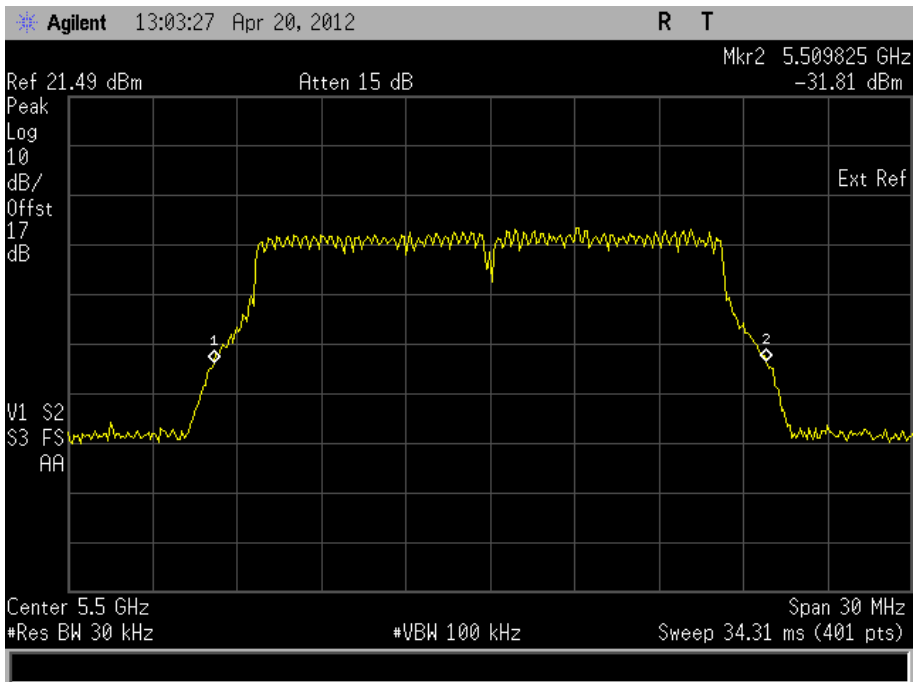


Product Service

Frequency Band 3

5500 MHz

99 % Emission Bandwidth (MHz)	19.650
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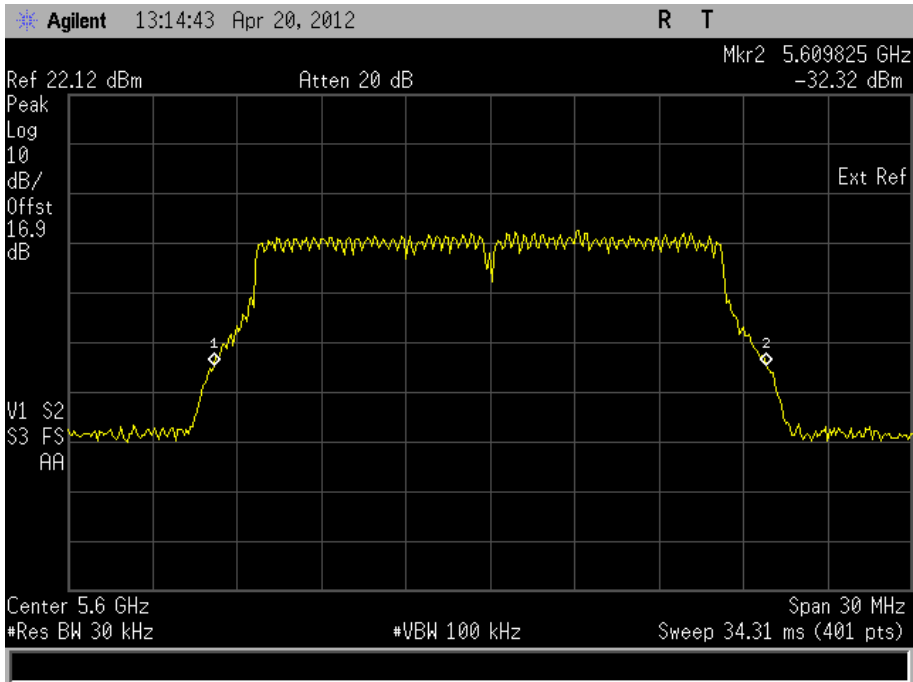




Product Service

5600 MHz

99 % Emission Bandwidth (MHz)	19.650
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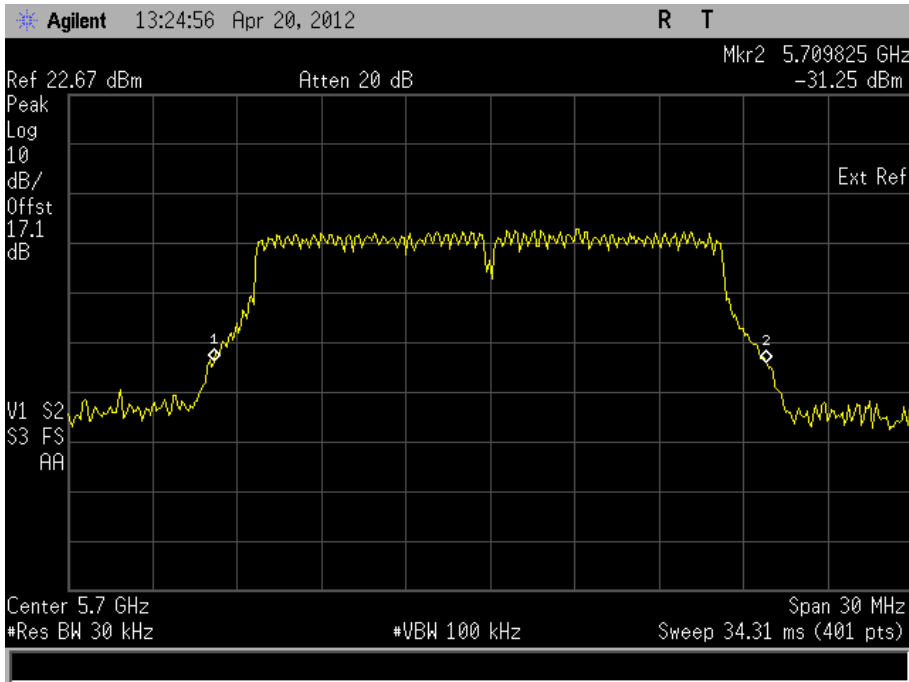




Product Service

5700 MHz

99 % Emission Bandwidth (MHz)	19.650
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The test was performed on the worst case data rate for 802.11(a) modulation. The worst case was deemed as the data rate which produced the highest level of conducted average power. This data rate was 54Mbps.



Product Service

Frequency Band 4

5745 MHz

99 % Emission Bandwidth (MHz)	19.575
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