

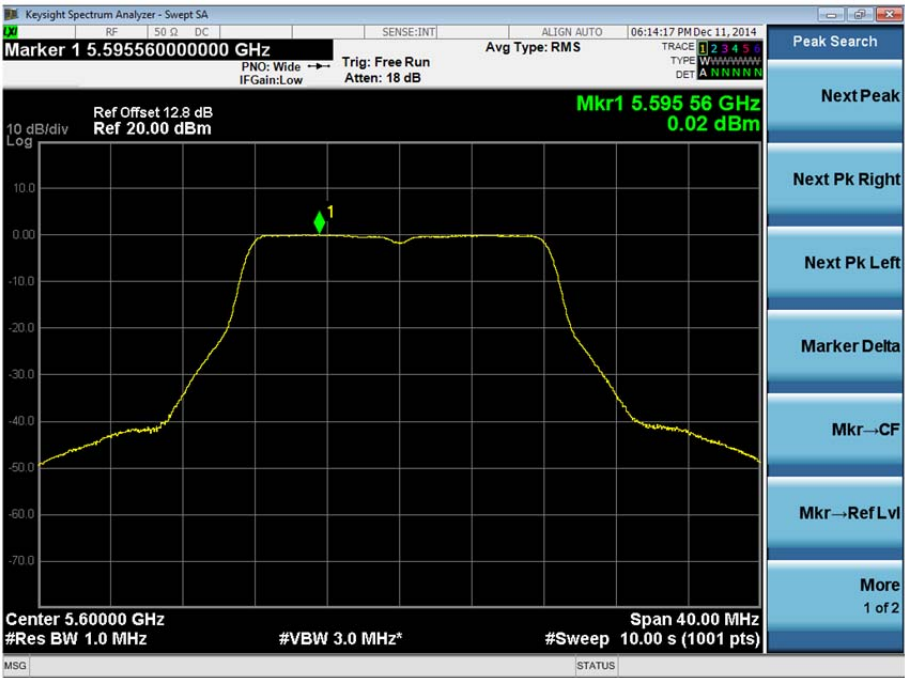


Product Service

5600 MHz

Modulation: QPSK

Peak Power Spectral Density (dBm)	0.02
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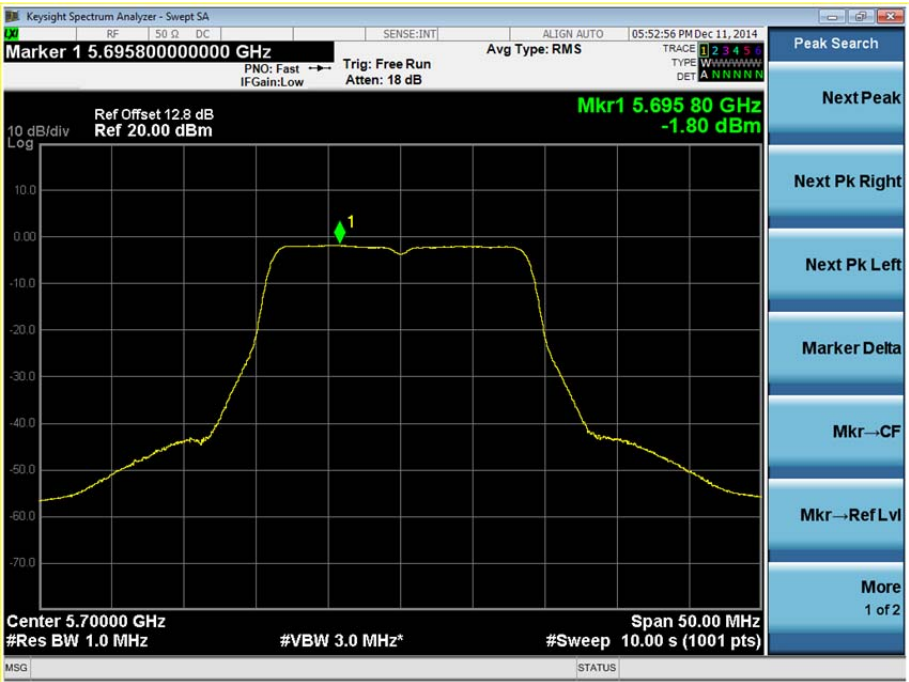


Product Service

5700 MHz

Modulation: QPSK

Peak Power Spectral Density (dBm)	-1.80
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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 9 Mbps.

Limit

Frequency Band (MHz)	FCC Limit	IC Limit
5150 to 5250	<4 dBm / 1 MHz	<10 dBm / 1 MHz
5250 to 5350	<11 dBm / 1 MHz	<11 dBm / 1 MHz
5470 to 5725	<11 dBm / 1 MHz	<11 dBm / 1 MHz
5725 to 5825	<17 dBm / 1 MHz	<17 dBm / 1 MHz



Product Service

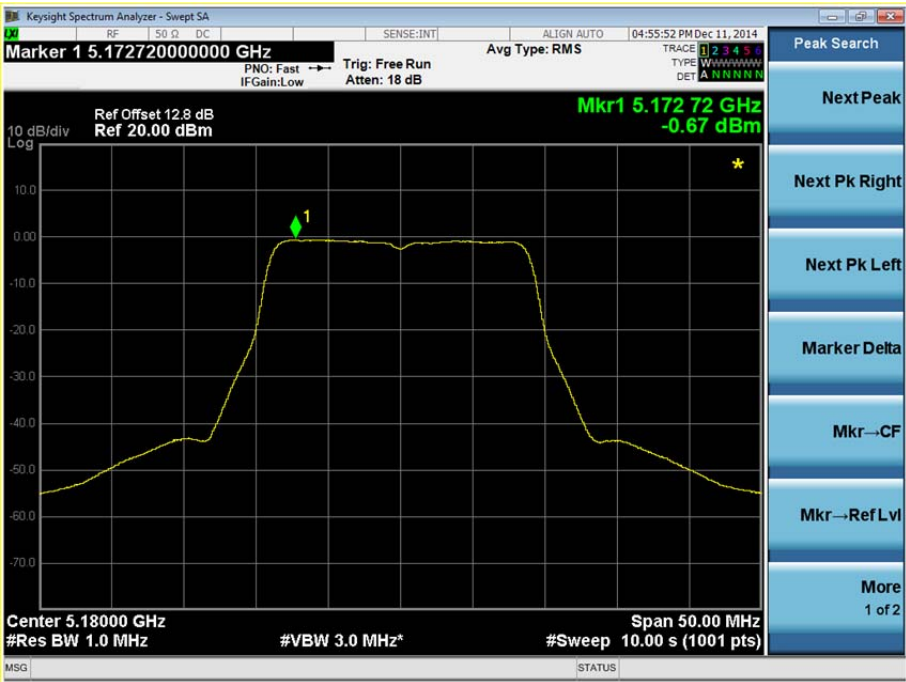
802.11(ac) - 5 GHz 20 MHz BW

Frequency Band 1

5180 MHz

Modulation: QPSK

Peak Power Spectral Density (dBm)	-0.67
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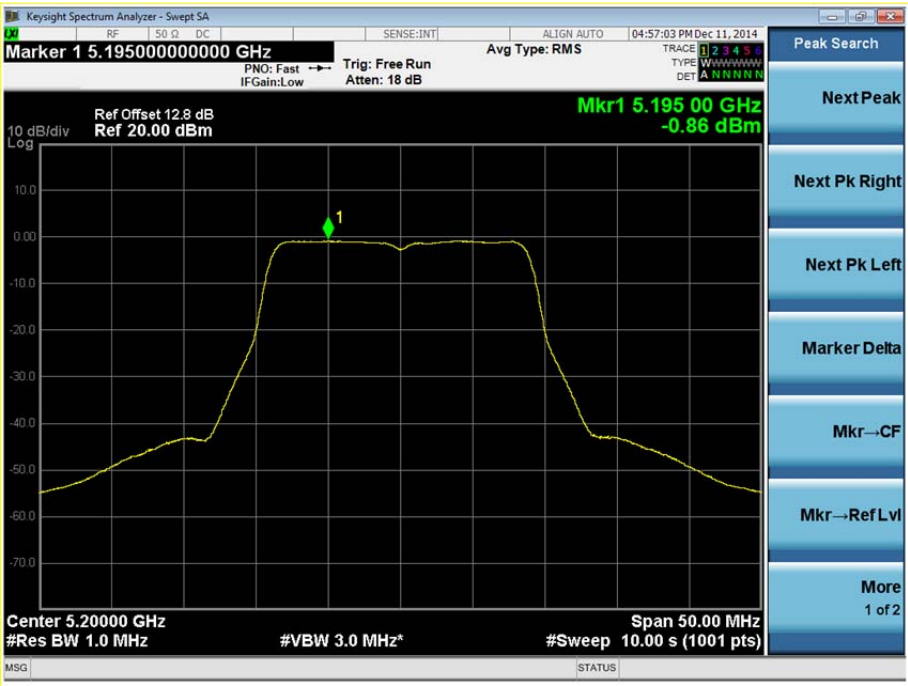


Product Service

5200 MHz

Modulation: QPSK

Peak Power Spectral Density (dBm)	-0.86
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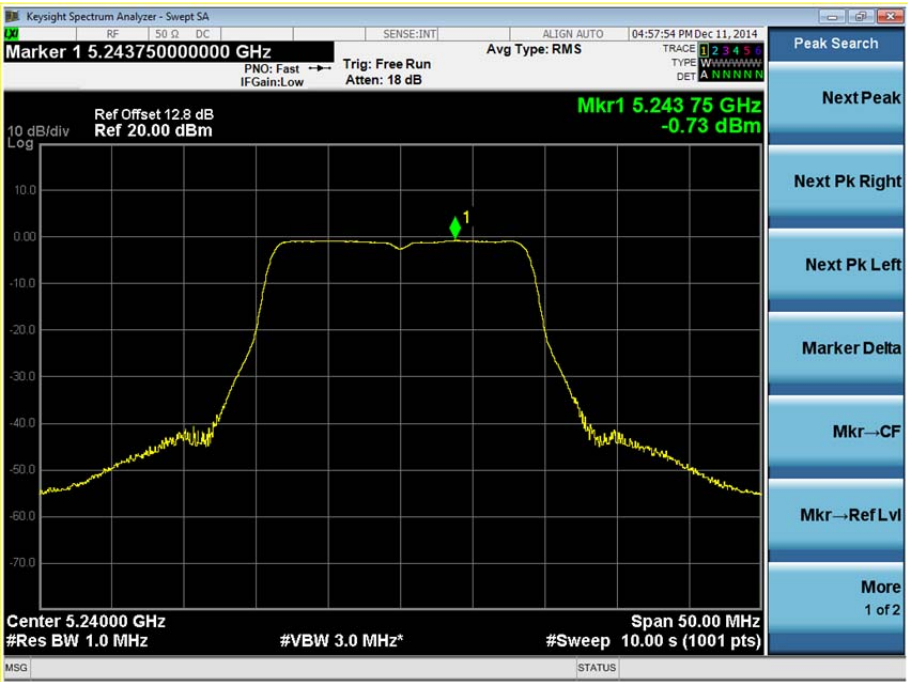


Product Service

5240 MHz

Modulation: QPSK

Peak Power Spectral Density (dBm)	-0.73
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The test was performed on the worst case data rate for 802.11(ac) - 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 MCS0.



Product Service

Frequency Band 2

5260 MHz

Modulation: QPSK

Peak Power Spectral Density (dBm)	-1.43
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Product Service

5300 MHz

Modulation: QPSK

Peak Power Spectral Density (dBm)	-0.79
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Product Service

5320 MHz

Modulation: QPSK

Peak Power Spectral Density (dBm)	-0.30
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The test was performed on the worst case data rate for 802.11(ac) - 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 MCS0.



Product Service

Frequency Band 3

5500 MHz

Modulation: QPSK

Peak Power Spectral Density (dBm)	-2.34
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Product Service

5600 MHz

Modulation: QPSK

Peak Power Spectral Density (dBm)	-1.91
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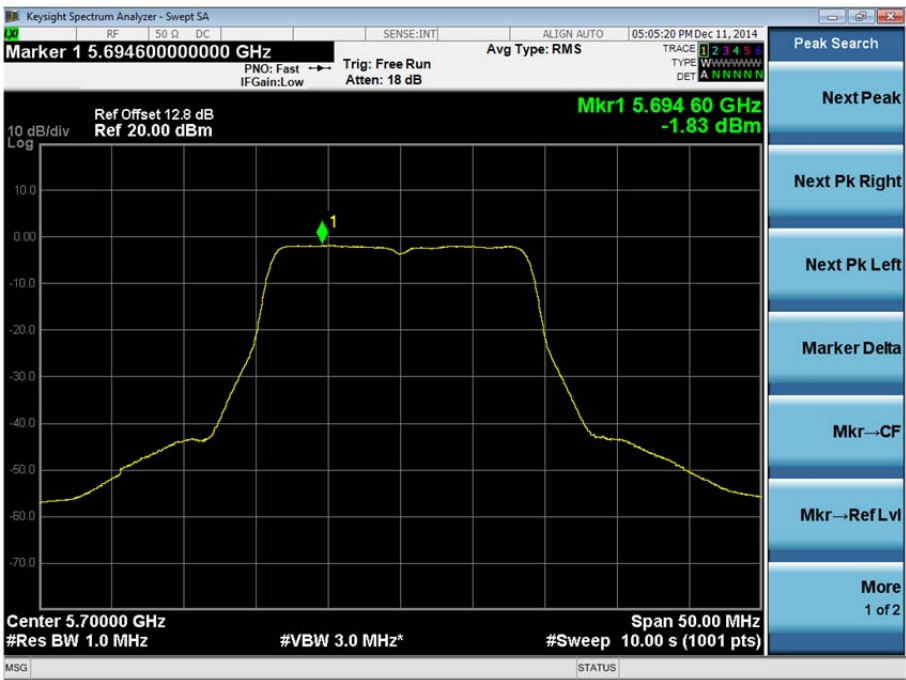


Product Service

5700 MHz

Modulation: QPSK

Peak Power Spectral Density (dBm)	-1.83
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The test was performed on the worst case data rate for 802.11(ac) - 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 MCS0.

Limit

Frequency Band (MHz)	FCC Limit	IC Limit
5150 to 5250	<4 dBm / 1 MHz	<10 dBm / 1 MHz
5250 to 5350	<11 dBm / 1 MHz	<11 dBm / 1 MHz
5470 to 5725	<11 dBm / 1 MHz	<11 dBm / 1 MHz
5725 to 5825	<17 dBm / 1 MHz	<17 dBm / 1 MHz



Product Service

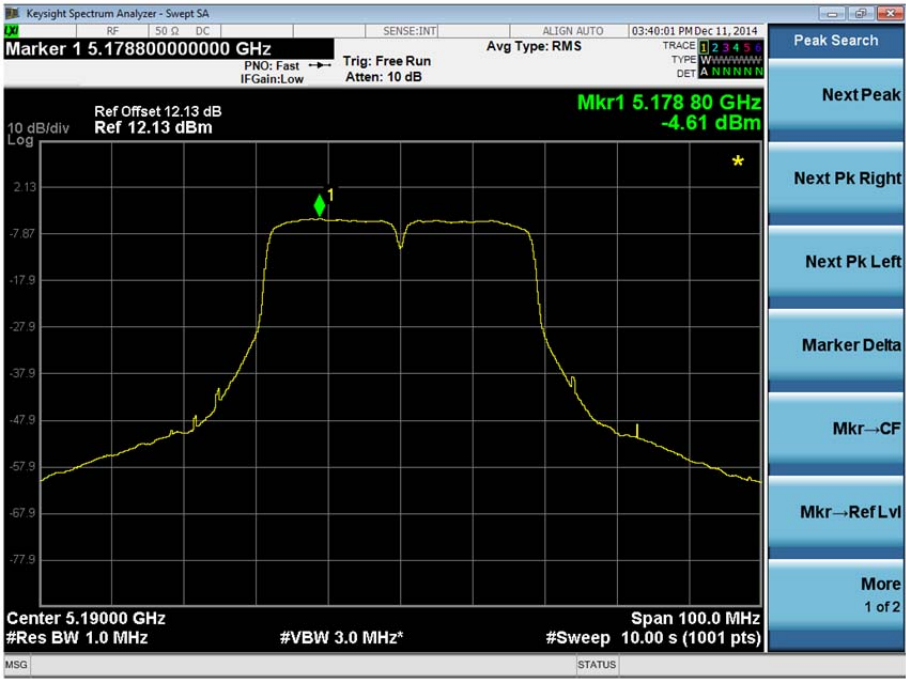
802.11(ac) - 5 GHz 40 MHz BW

Frequency Band 1

5190 MHz

Modulation: QPSK

Peak Power Spectral Density (dBm)	-4.61
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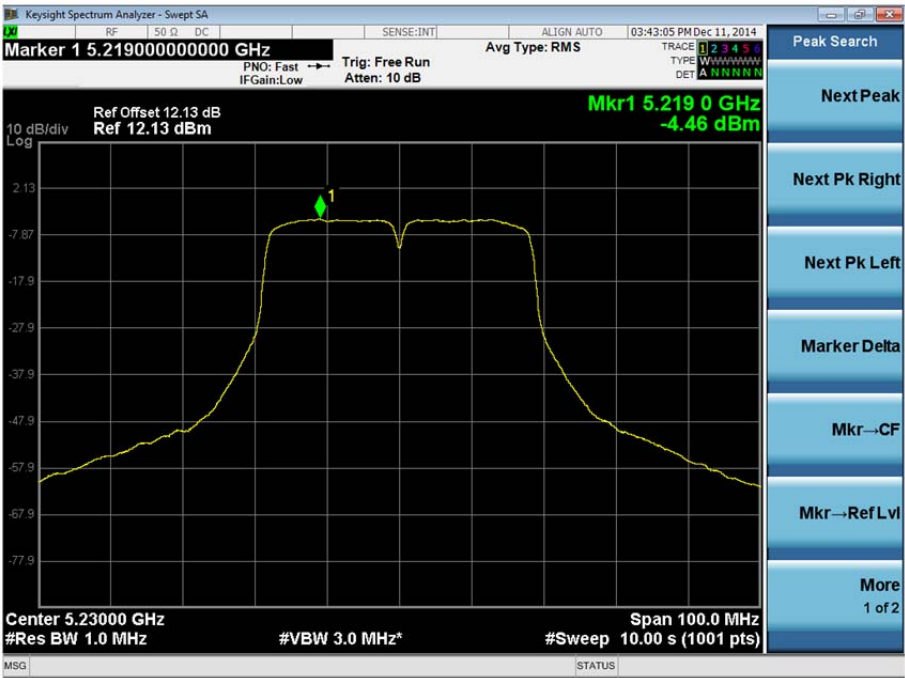


Product Service

5230 MHz

Modulation: QPSK

Peak Power Spectral Density (dBm)	-4.46
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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 MCS1.



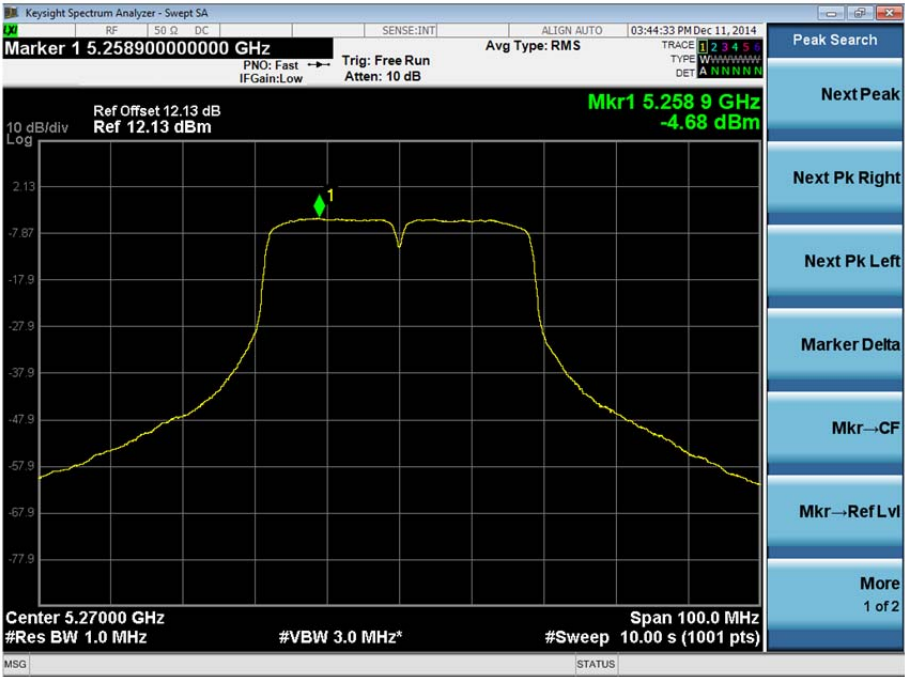
Product Service

Frequency Band 2

5270 MHz

Modulation: QPSK

Peak Power Spectral Density (dBm)	-4.68
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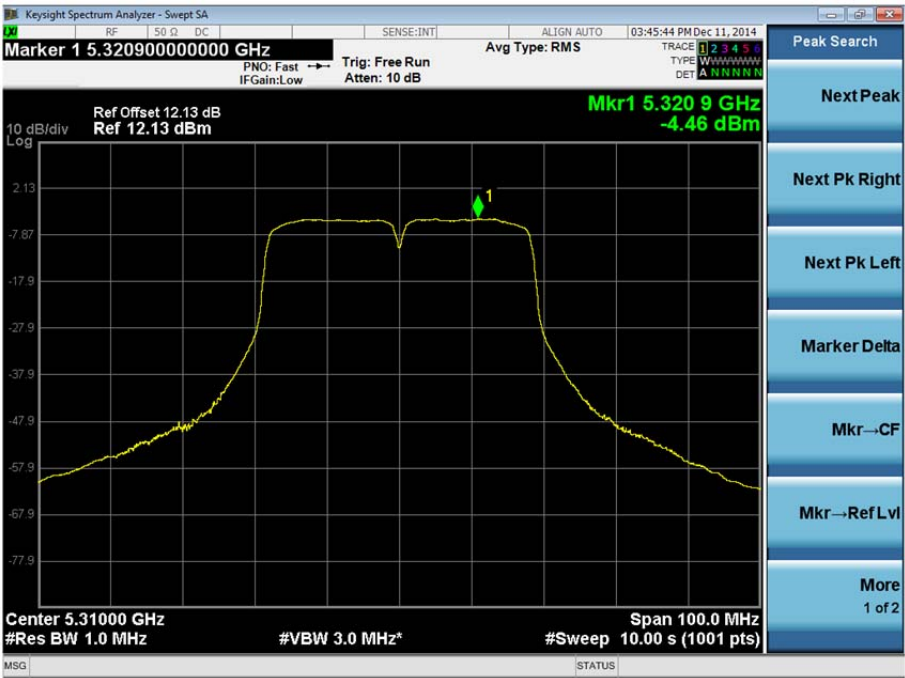


Product Service

5310 MHz

Modulation: QPSK

Peak Power Spectral Density (dBm)	-4.46
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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 MCS1.



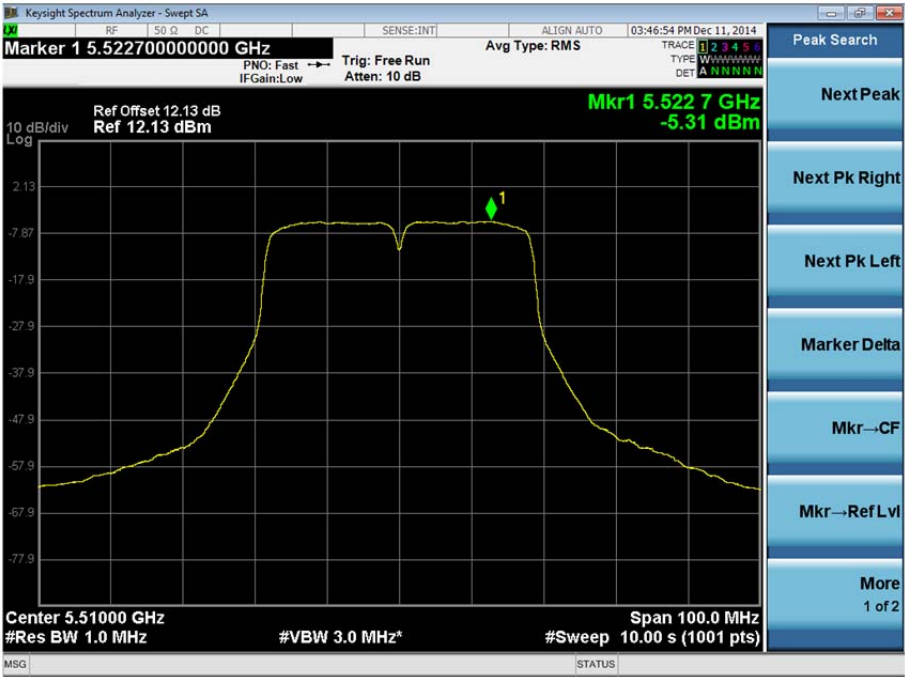
Product Service

Frequency Band 3

5510 MHz

Modulation: QPSK

Peak Power Spectral Density (dBm)	-5.31
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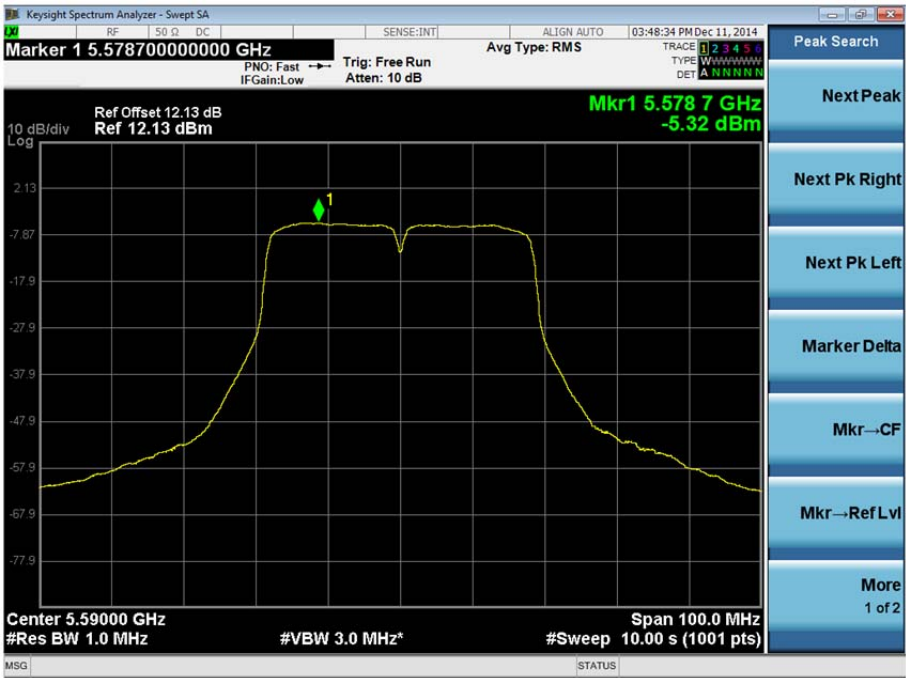


Product Service

5590 MHz

Modulation: QPSK

Peak Power Spectral Density (dBm)	-5.32
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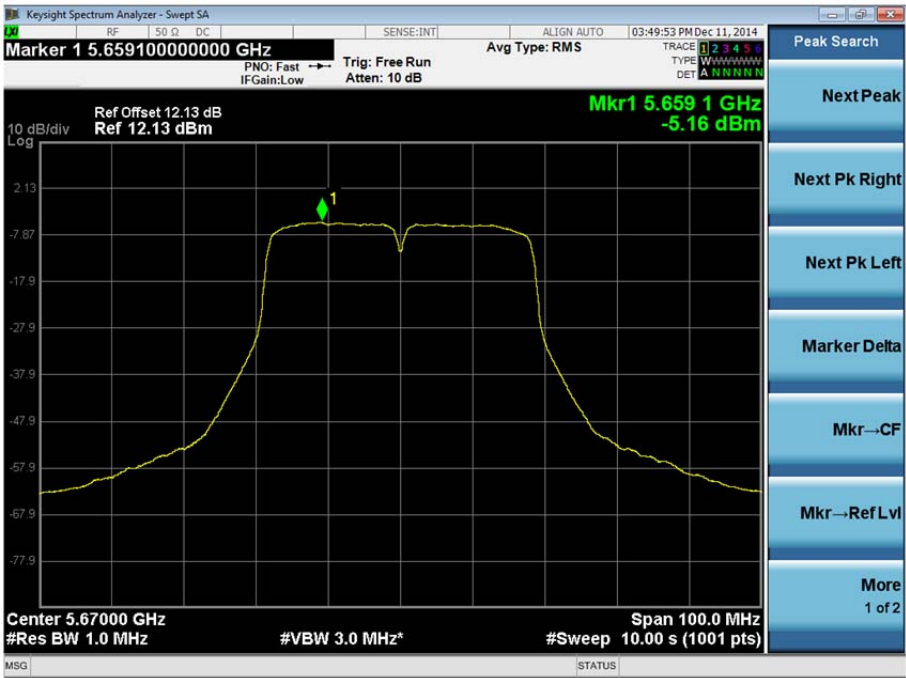


Product Service

5670 MHz

Modulation: QPSK

Peak Power Spectral Density (dBm)	-5.16
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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 MCS1.

Limit

Frequency Band (MHz)	FCC Limit	IC Limit
5150 to 5250	<4 dBm / 1 MHz	<10 dBm / 1 MHz
5250 to 5350	<11 dBm / 1 MHz	<11 dBm / 1 MHz
5470 to 5725	<11 dBm / 1 MHz	<11 dBm / 1 MHz
5725 to 5825	<17 dBm / 1 MHz	<17 dBm / 1 MHz



Product Service

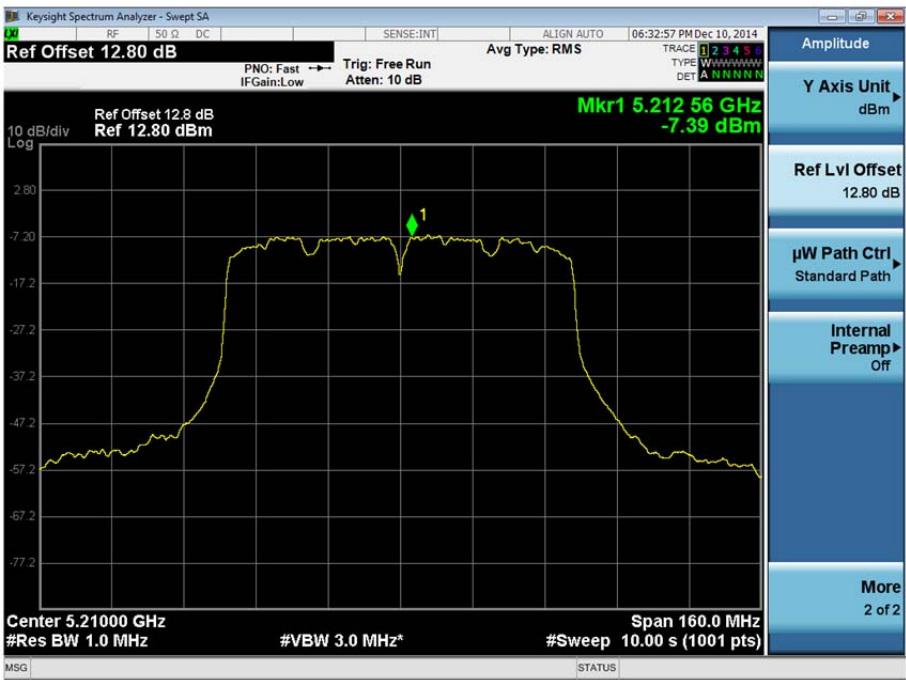
802.11(ac) - 5 GHz 80 MHz BW

Frequency Band 1

5210 MHz

Modulation: QPSK

Peak Power Spectral Density (dBm)	-7.39
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The test was performed on the worst case data rate for 802.11(ac) - 80 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 MCS0.



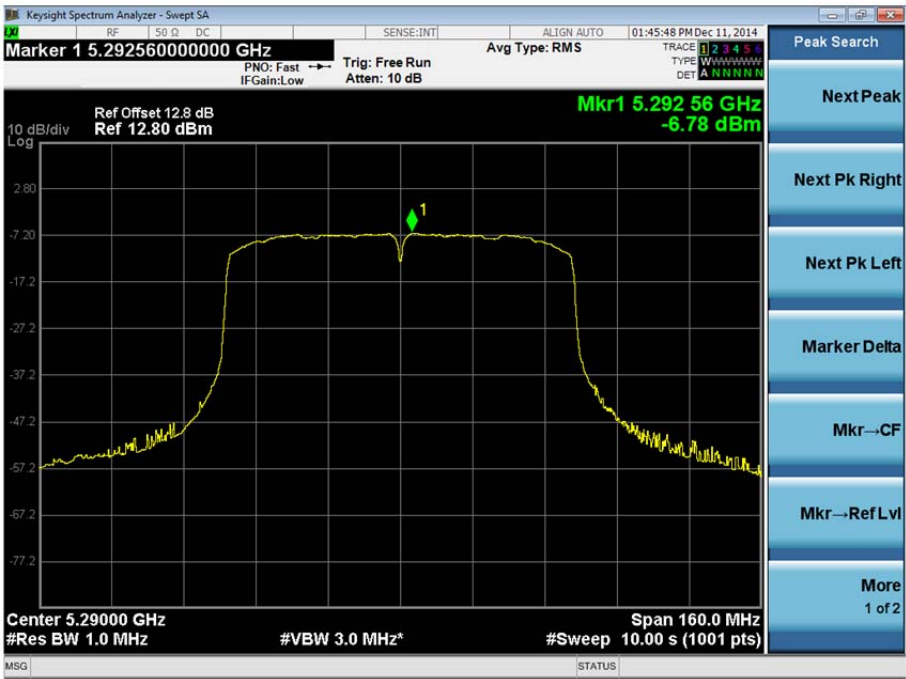
Product Service

Frequency Band 2

5290 MHz

Modulation: QPSK

Peak Power Spectral Density (dBm)	-6.78
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The test was performed on the worst case data rate for 802.11(ac) - 80 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 MCS0.



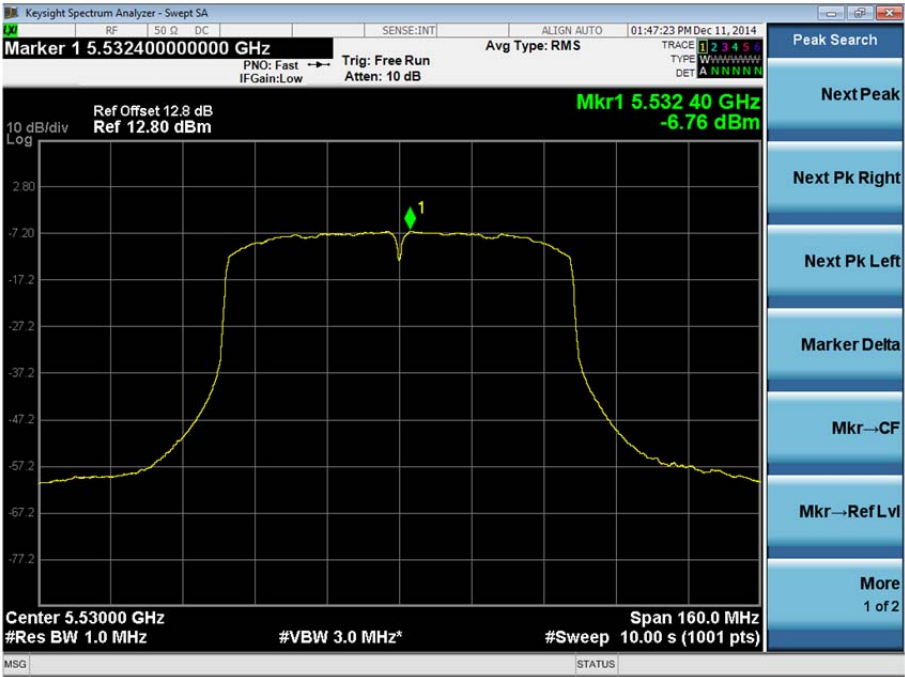
Product Service

Frequency Band 3

5530 MHz

Modulation: QPSK

Peak Power Spectral Density (dBm)	-6.76
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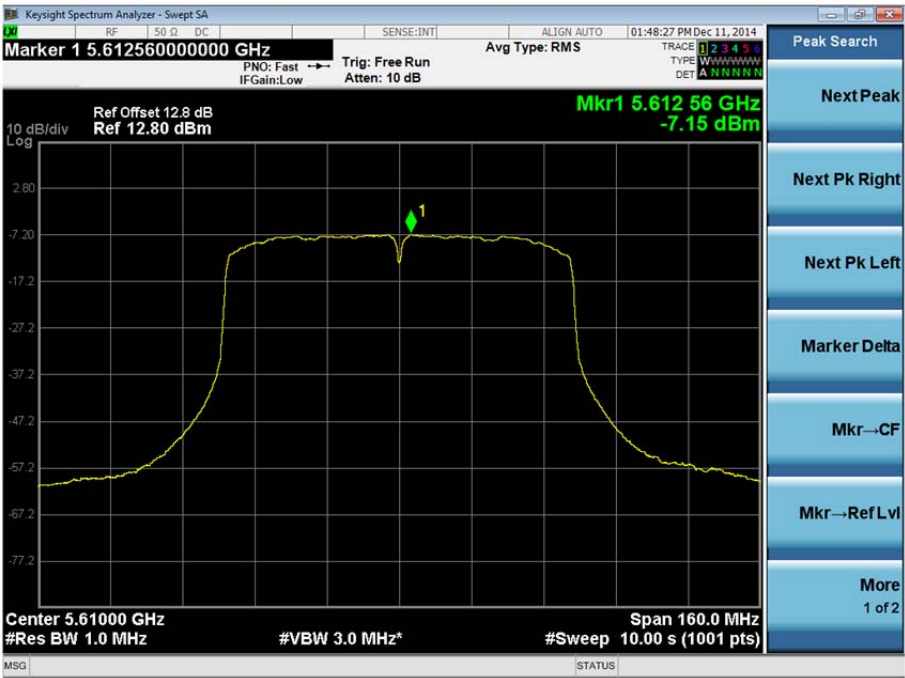


Product Service

5610 MHz

Modulation: QPSK

Peak Power Spectral Density (dBm)	-7.15
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The test was performed on the worst case data rate for 802.11(ac) - 80 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 MCS0.

Limit

Frequency Band (MHz)	FCC Limit	IC Limit
5150 to 5250	<4 dBm / 1 MHz	<10 dBm / 1 MHz
5250 to 5350	<11 dBm / 1 MHz	<11 dBm / 1 MHz
5470 to 5725	<11 dBm / 1 MHz	<11 dBm / 1 MHz
5725 to 5825	<17 dBm / 1 MHz	<17 dBm / 1 MHz



Product Service

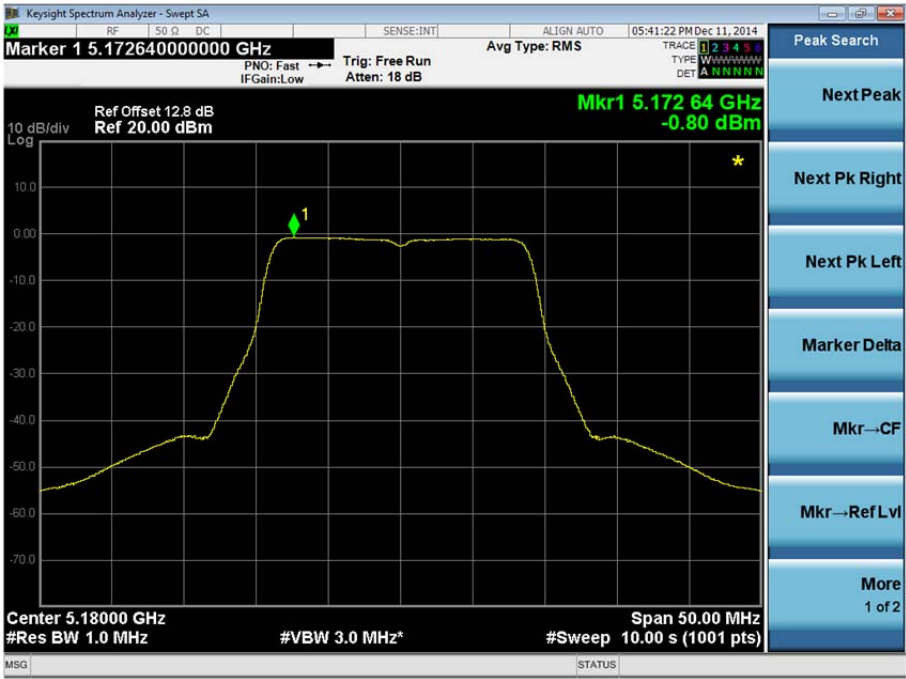
802.11(n) - 5 GHz 20 MHz BW

Frequency Band 1

5180 MHz

Modulation: QPSK

Peak Power Spectral Density (dBm)	-0.80
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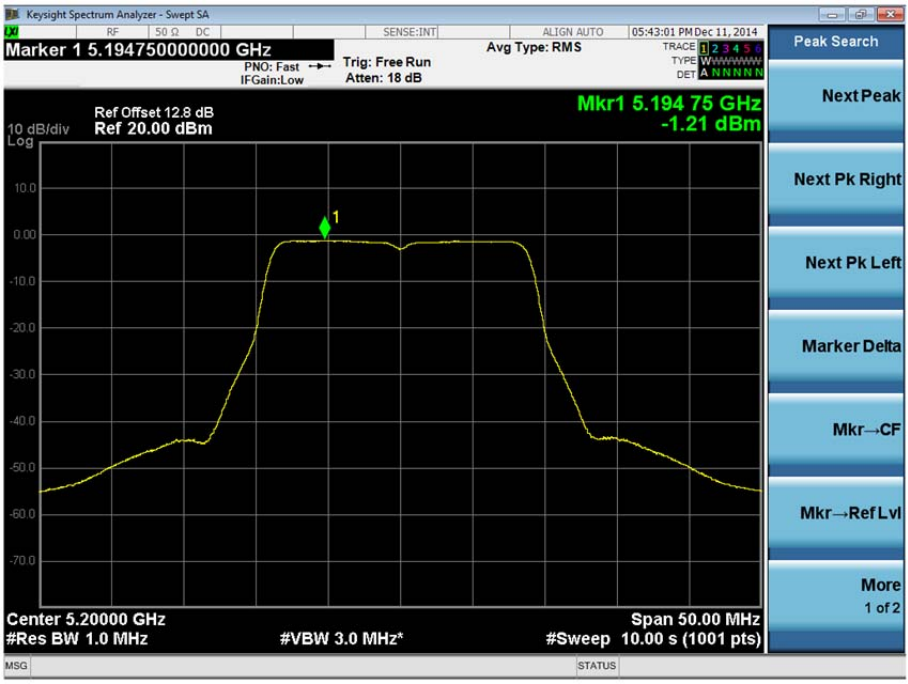


Product Service

5200 MHz

Modulation: QPSK

Peak Power Spectral Density (dBm)	-1.21
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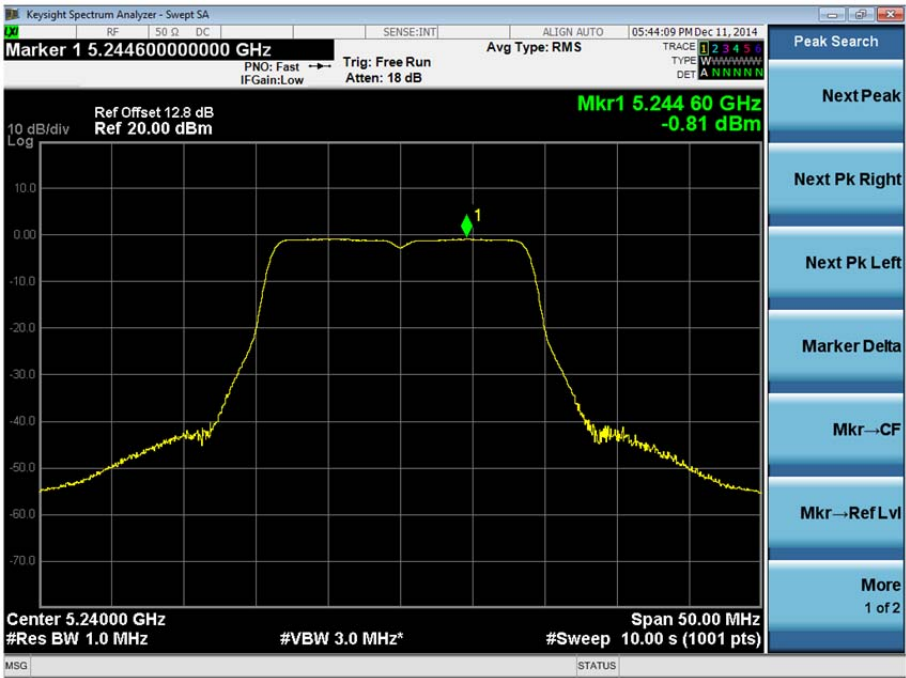


Product Service

5240 MHz

Modulation: QPSK

Peak Power Spectral Density (dBm)	-0.81
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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 MCS0.



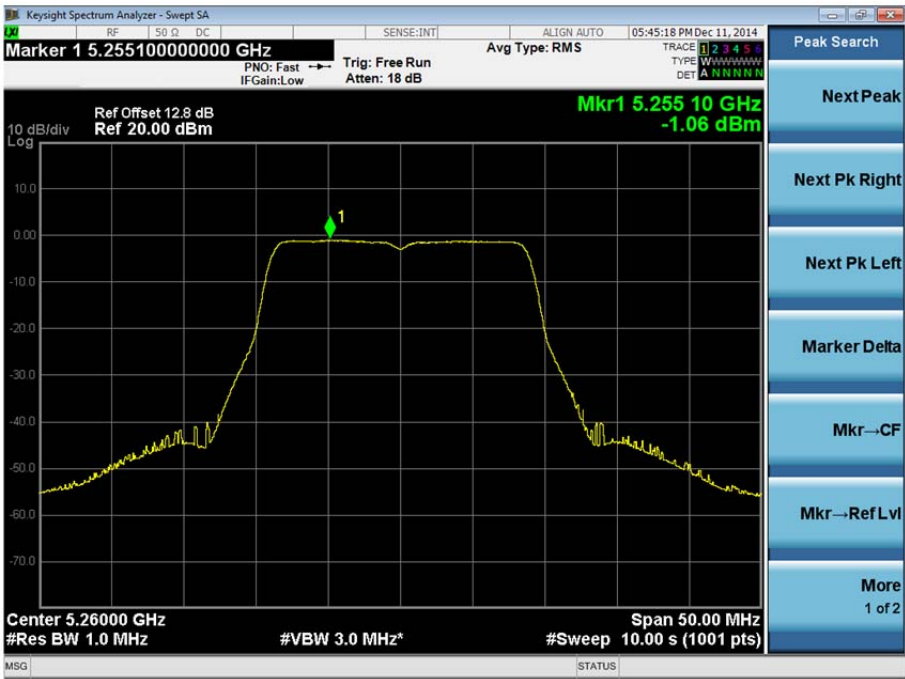
Product Service

Frequency Band 2

5260 MHz

Modulation: QPSK

Peak Power Spectral Density (dBm)	-1.06
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Product Service

5300 MHz

Modulation: QPSK

Peak Power Spectral Density (dBm)	-0.84
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Product Service

5320 MHz

Modulation: QPSK

Peak Power Spectral Density (dBm)	-0.47
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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 MCS0.



Product Service

Frequency Band 3

5500 MHz

Modulation: QPSK

Peak Power Spectral Density (dBm)	-1.82
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Product Service

5600 MHz

Modulation: QPSK

Peak Power Spectral Density (dBm)	-1.90
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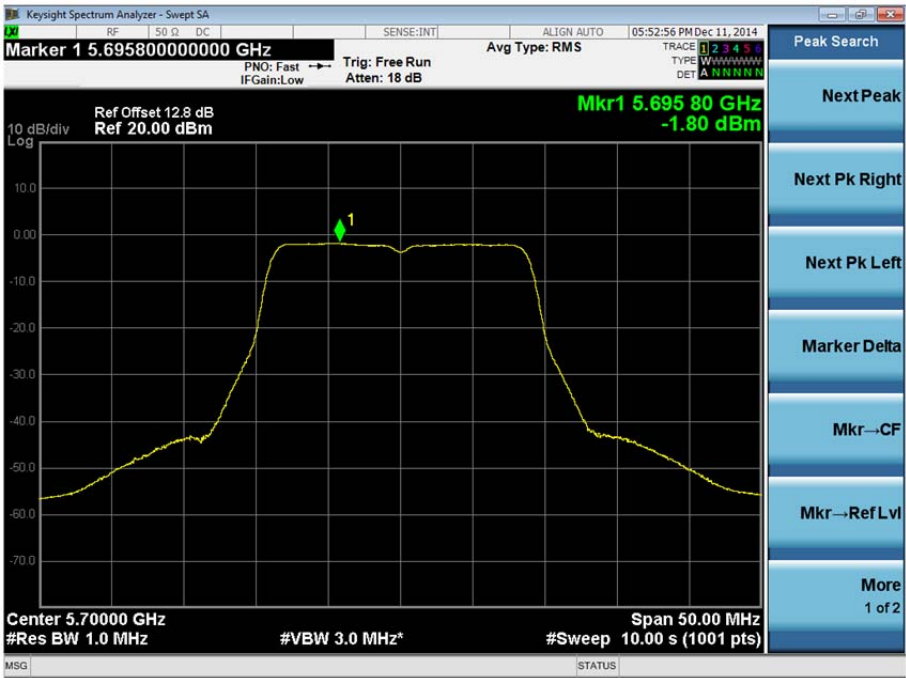


Product Service

5700 MHz

Modulation: QPSK

Peak Power Spectral Density (dBm)	-1.80
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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 MCS0.

Limit

Frequency Band (MHz)	FCC Limit	IC Limit
5150 to 5250	<4 dBm / 1 MHz	<10 dBm / 1 MHz
5250 to 5350	<11 dBm / 1 MHz	<11 dBm / 1 MHz
5470 to 5725	<11 dBm / 1 MHz	<11 dBm / 1 MHz
5725 to 5825	<17 dBm / 1 MHz	<17 dBm / 1 MHz



Product Service

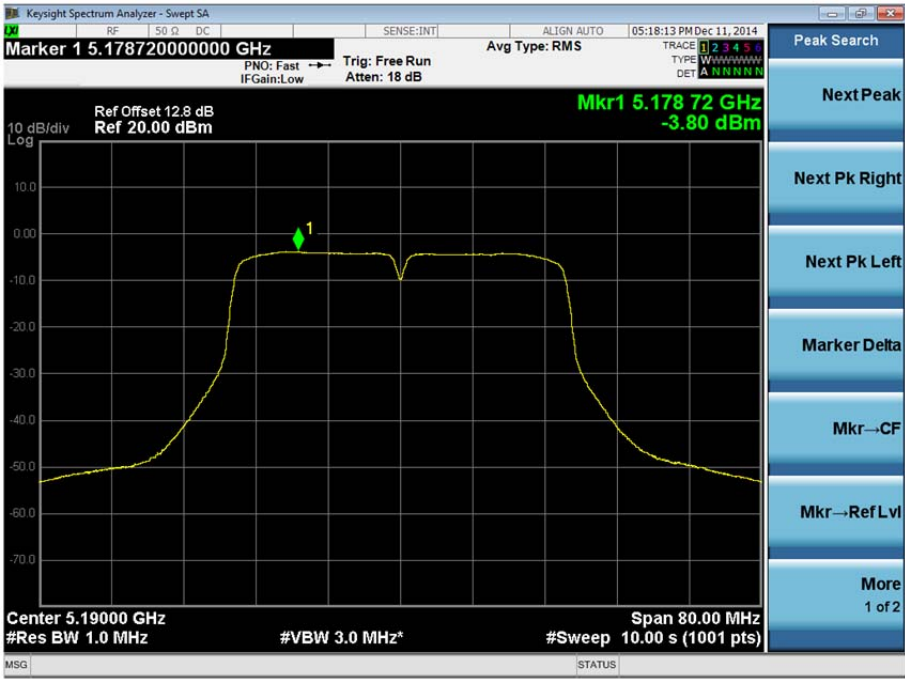
802.11(n) - 5 GHz 40 MHz BW

Frequency Band 1

5190 MHz

Modulation: QPSK

Peak Power Spectral Density (dBm)	-3.80
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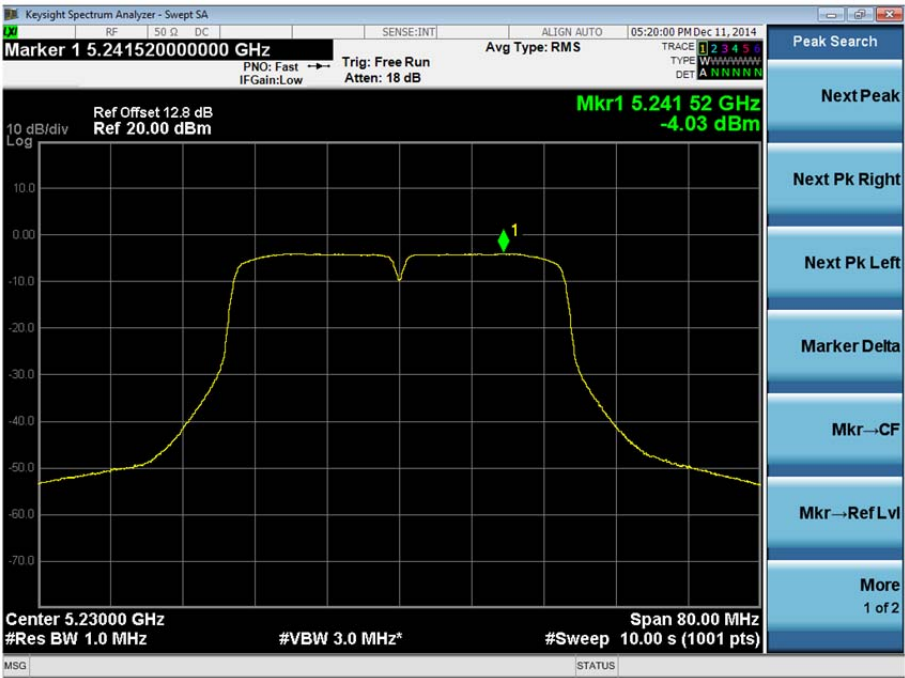


Product Service

5230 MHz

Modulation: QPSK

Peak Power Spectral Density (dBm)	-4.03
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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 MCS0.



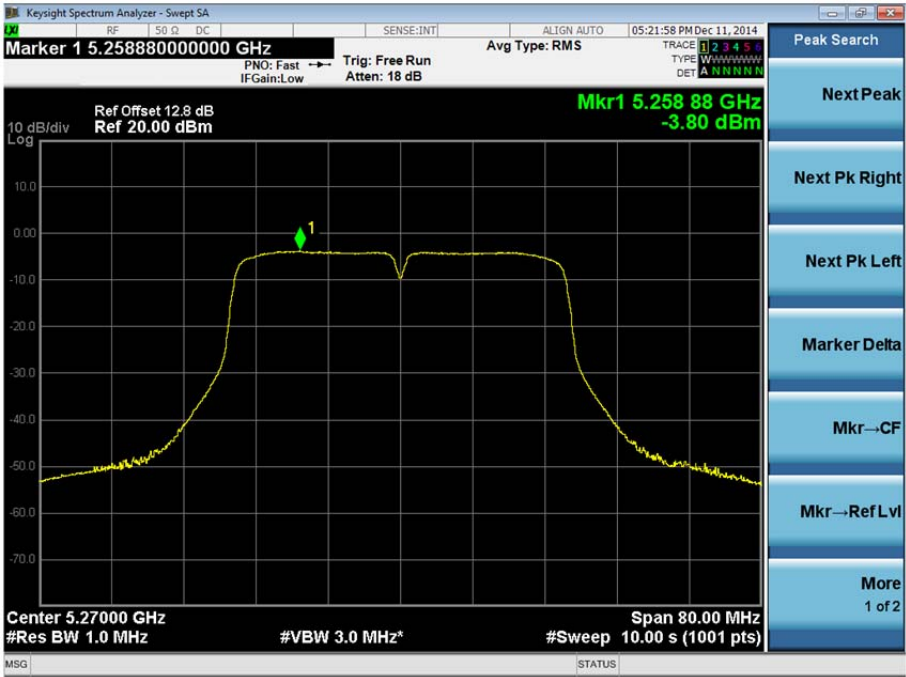
Product Service

Frequency Band 2

5270 MHz

Modulation: QPSK

Peak Power Spectral Density (dBm)	-3.08
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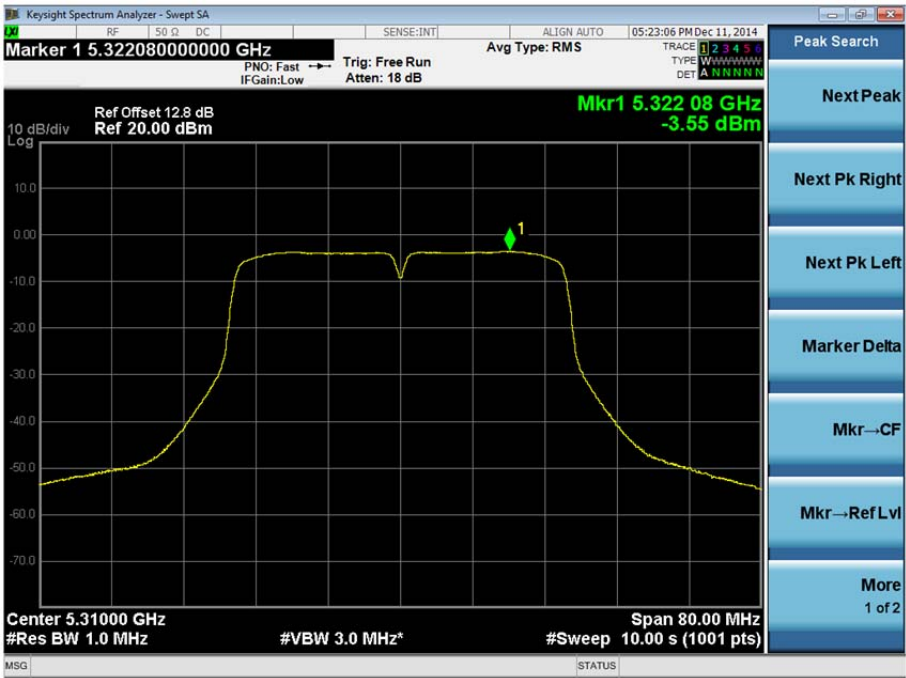


Product Service

5310 MHz

Modulation: QPSK

Peak Power Spectral Density (dBm)	-3.55
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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 MCS0.



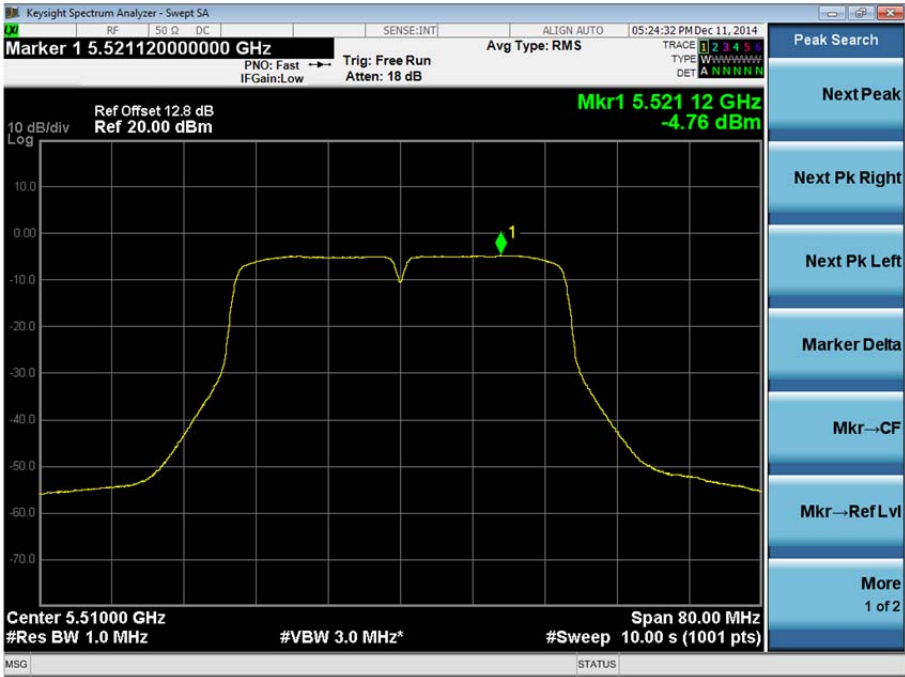
Product Service

Frequency Band 3

5510 MHz

Modulation: QPSK

Peak Power Spectral Density (dBm)	-4.76
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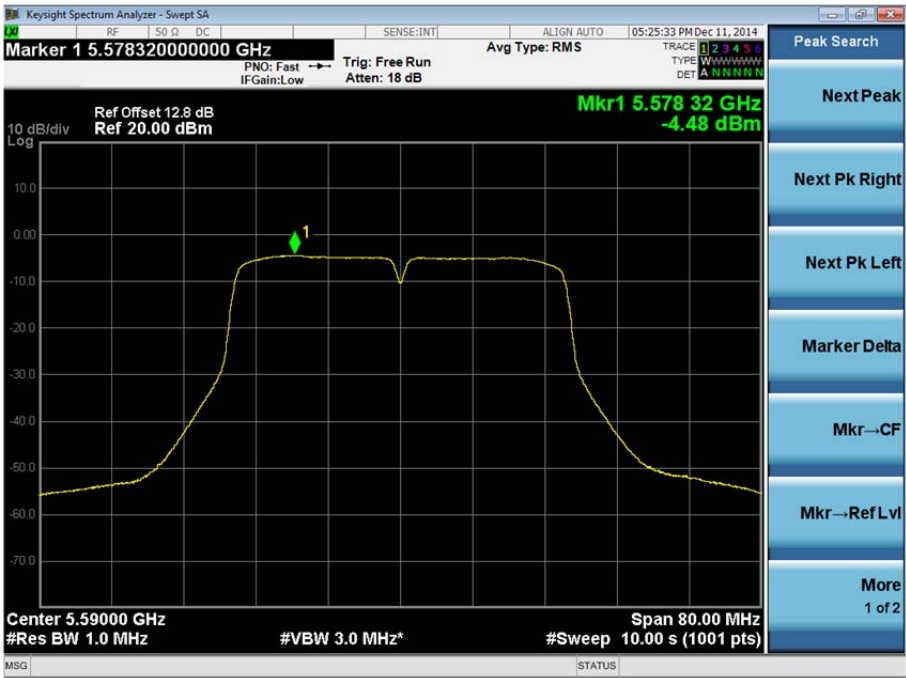


Product Service

5590 MHz

Modulation: QPSK

Peak Power Spectral Density (dBm)	-4.48
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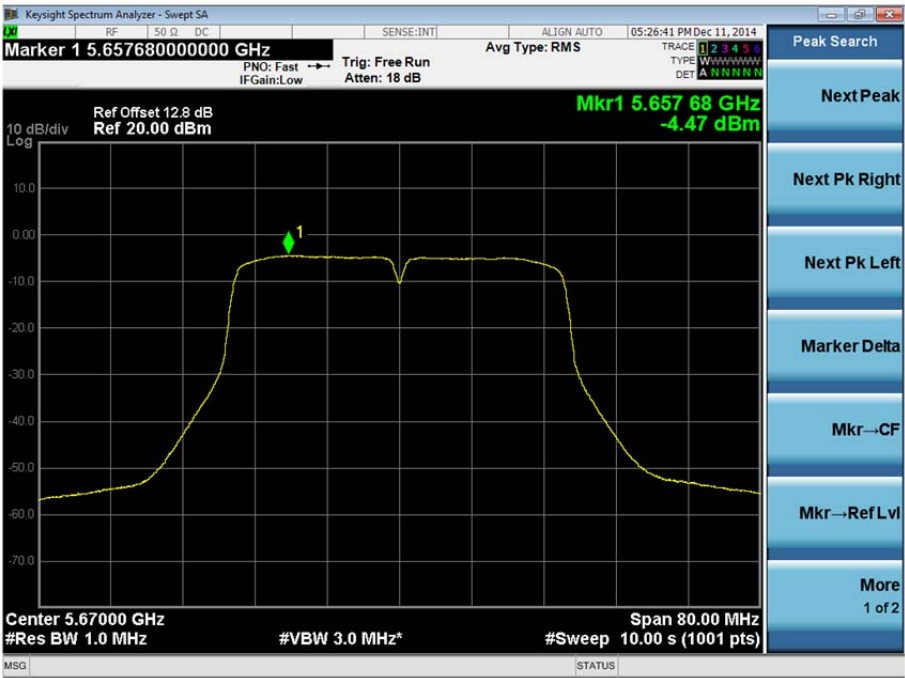


Product Service

5670 MHz

Modulation: QPSK

Peak Power Spectral Density (dBm)	-4.47
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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 MCS0.

Limit

Frequency Band (MHz)	FCC Limit	IC Limit
5150 to 5250	<4 dBm / 1 MHz	<10 dBm / 1 MHz
5250 to 5350	<11 dBm / 1 MHz	<11 dBm / 1 MHz
5470 to 5725	<11 dBm / 1 MHz	<11 dBm / 1 MHz
5725 to 5825	<17 dBm / 1 MHz	<17 dBm / 1 MHz



Product Service

2.5 UNDESIRABLE EMISSION LIMITS

2.5.1 Specification Reference

FCC CFR 47 Part 15E, Clause 15.407 (b)(1)(2)(3)(4)(6)(7)

2.5.2 Equipment Under Test and Modification State

SHV31 S/N: IMEI 004401115315992 - Modification State 0

2.5.3 Date of Test

18 November 2014, 7 December 2014, 9 December 2014, 10 December 2014, 14 December 2014, 15 December 2014, 16 December 2014, 17 December 2014 & 18 December 2014

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 test was applied in accordance with the test method requirements of FCC CFR 47 Part 15.407 (b) and KDB 789033.

For conducted emissions, the EUT was set to operate at maximum power on the data rate pre-determined to give the highest level of average output power. The analyser settings were configured with a peak detector and max hold trace; the measurement path loss in each relevant frequency band was measured and entered as a reference level offset. The test was performed on the bottom, middle and top channels of each sub-band. The test was performed over the frequency range 9 kHz to 40 GHz.

For radiated emissions, the test method described above was also used. However, the measurement was performed from 30 MHz to 40 GHz and the path loss is incorporated as a transducer factor and entered into the spectrum analyser. In each frequency span the level was maximised by rotating the EUT 360° and a height search of the measuring antenna.

Band edge measurements were performed in accordance with ANSI C63.10, Clause 6.9.3. The results were analysed to ensure compliance with restricted bands. The EUT was set to the lowest and highest operating frequencies.

2.5.6 Environmental Conditions

Ambient Temperature	18.3 - 29.0°C
Relative Humidity	30.0 - 48.0%



Product Service

2.5.7 Test Results

802.11(a)

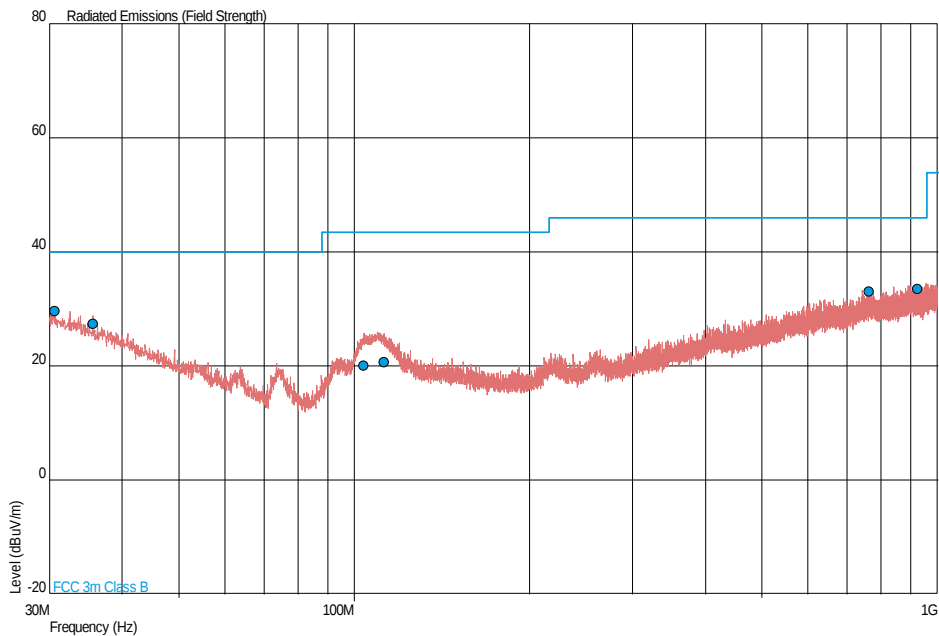
4.0 V DC Supply

Spurious Radiated Emissions

Frequency Band 1

5180 MHz

30 MHz to 1 GHz

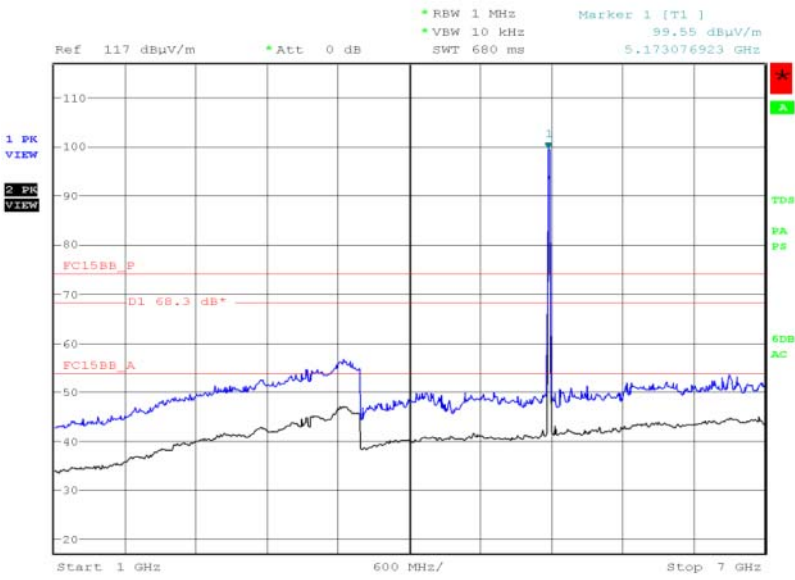


Frequency (MHz)	QP Level (dBµV/m)	QP Level (µV/m)	QP Limit (dBµV/m)	QP Limit (µV/m)	QP Margin (dBµV/m)	QP Margin (µV/m)	Angle (Deg)	Height (m)	Polarity
30.678	29.6	30.2	40.0	100	-10.4	-69.8	350	1.00	Horizontal
35.676	27.4	23.4	40.0	100	-12.6	-76.6	0	3.85	Horizontal
103.822	20.1	10.1	43.5	150	-23.4	-139.9	102	1.00	Vertical
112.405	20.6	10.7	43.5	150	-22.9	-139.3	312	1.00	Vertical
762.775	33.1	45.2	46.0	200	-12.9	-154.8	278	3.19	Horizontal
924.041	33.6	47.9	46.0	200	-12.4	-152.1	304	1.00	Horizontal



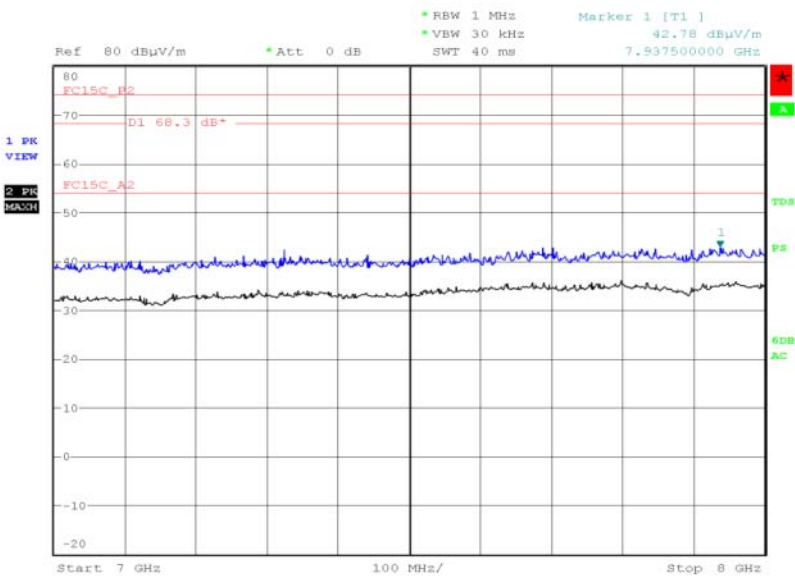
Product Service

1 GHz to 7 GHz



Date: 7.DEC.2014 01:40:42

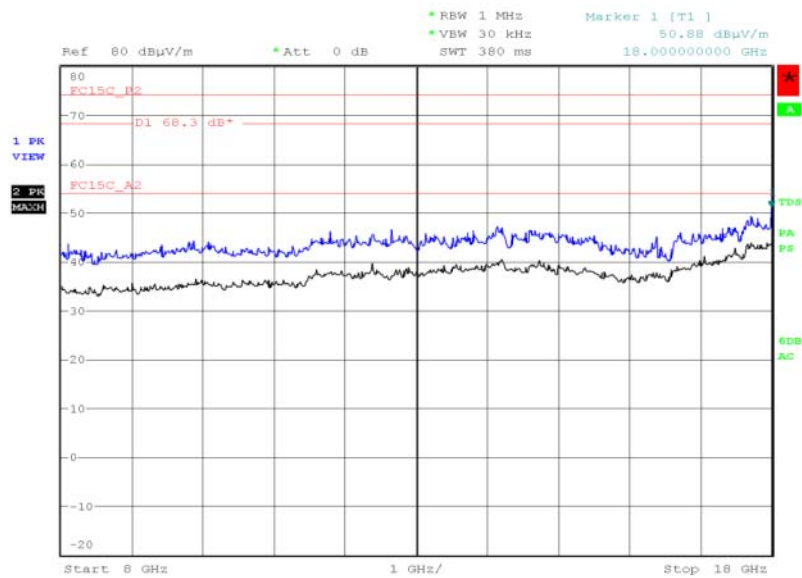
7 GHz to 8 GHz



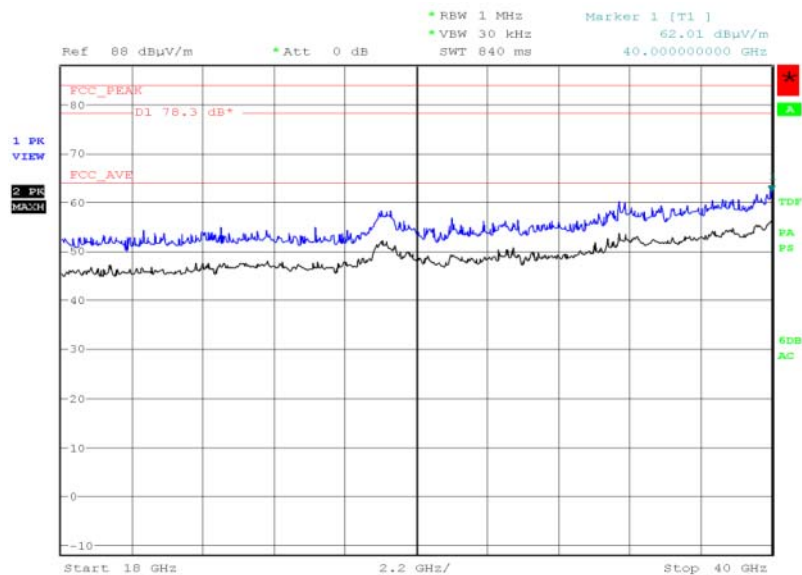
Date: 18.NOV.2014 22:01:42



Product Service

8 GHz to 18 GHz

Date: 16.DEC.2014 20:54:33

18 GHz to 40 GHz

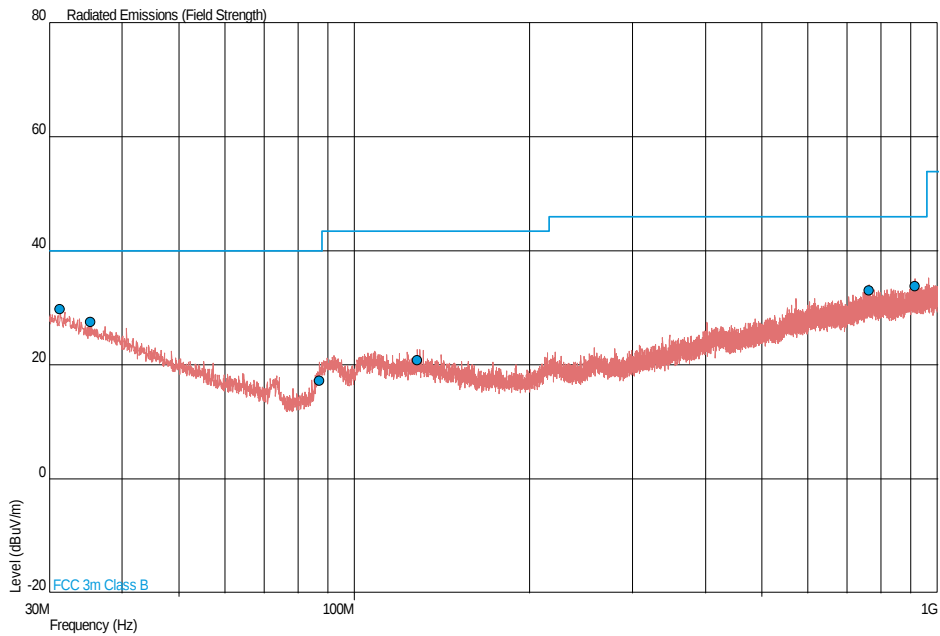
Date: 25.NOV.2014 17:59:13



Product Service

5200 MHz

30 MHz to 1 GHz

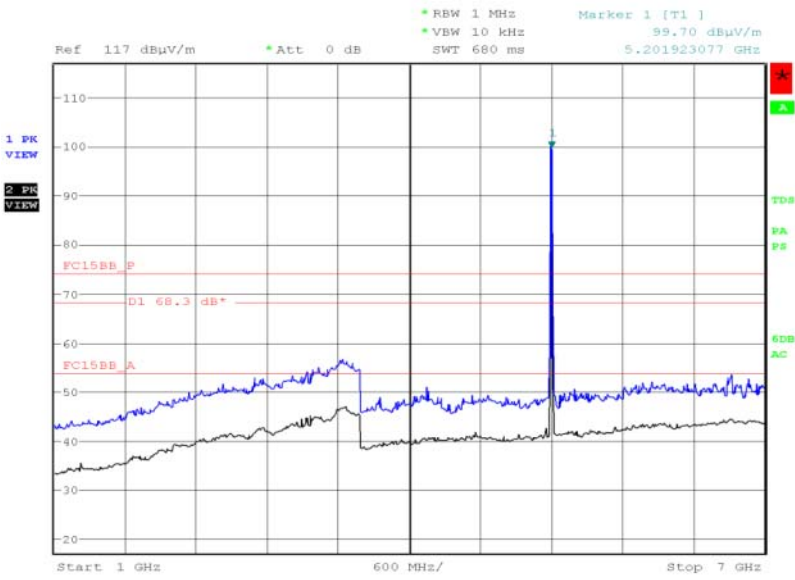


Frequency (MHz)	QP Level (dBµV/m)	QP Level (µV/m)	QP Limit (dBµV/m)	QP Limit (µV/m)	QP Margin (dBµV/m)	QP Margin (µV/m)	Angle (Deg)	Height (m)	Polarity
31.309	29.8	30.9	40.0	100	-10.2	-69.1	19	3.97	Horizontal
35.288	27.6	24.0	40.0	100	-12.4	-76.0	215	3.93	Vertical
87.043	17.2	7.2	40.0	100	-22.8	-92.8	310	1.00	Vertical
128.295	20.8	11.0	43.5	150	-22.7	-139.0	153	1.93	Vertical
762.546	33.1	45.2	46.0	200	-12.9	-154.8	307	3.03	Vertical
913.801	33.8	49.0	46.0	200	-12.2	-151.0	319	3.30	Vertical



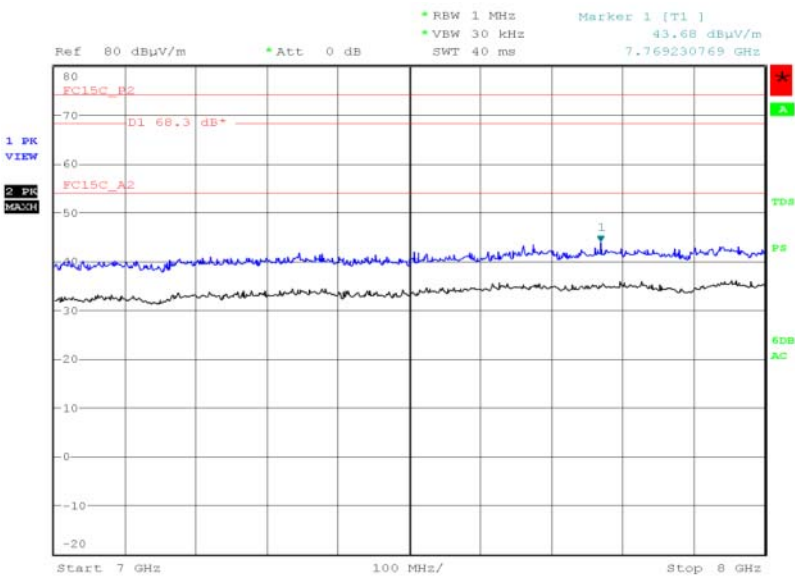
Product Service

1 GHz to 7 GHz



Date: 7.DEC.2014 01:56:37

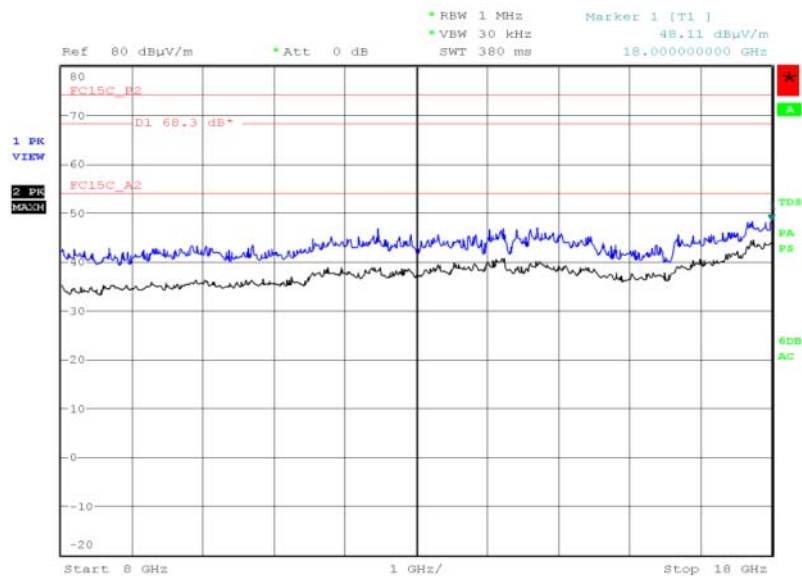
7 GHz to 8 GHz



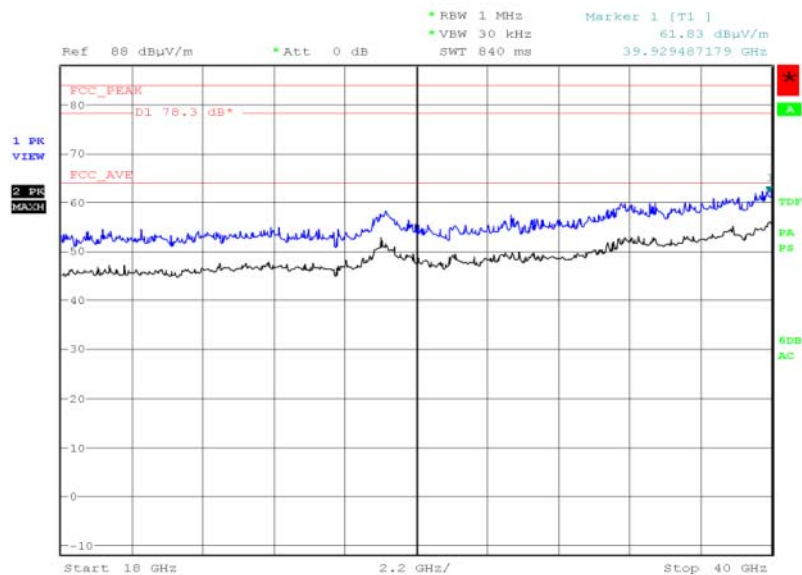
Date: 18.NOV.2014 21:59:10



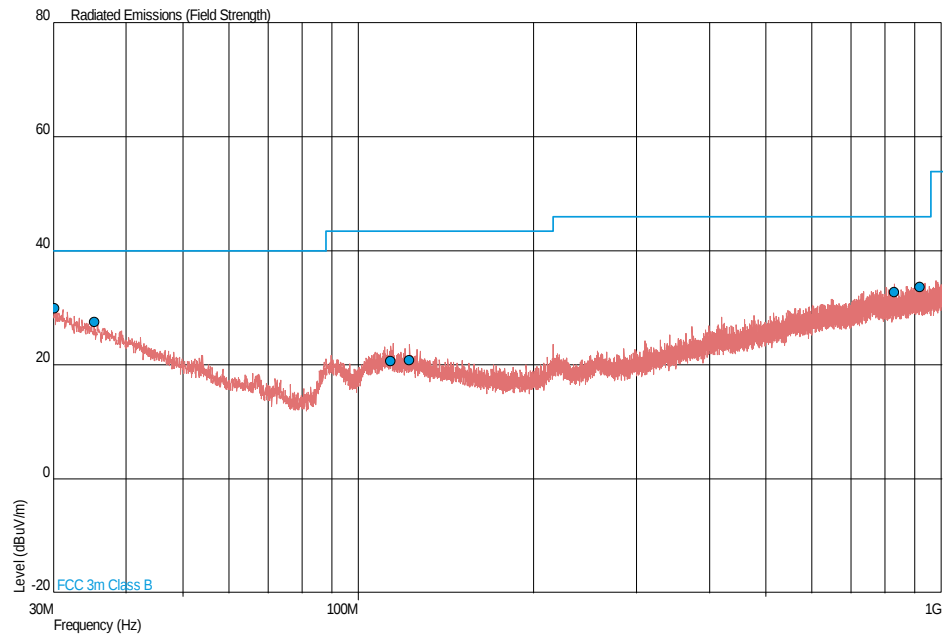
Product Service

8 GHz to 18 GHz

Date: 16.DEC.2014 21:02:47

18 GHz to 40 GHz

Date: 25.NOV.2014 18:36:55

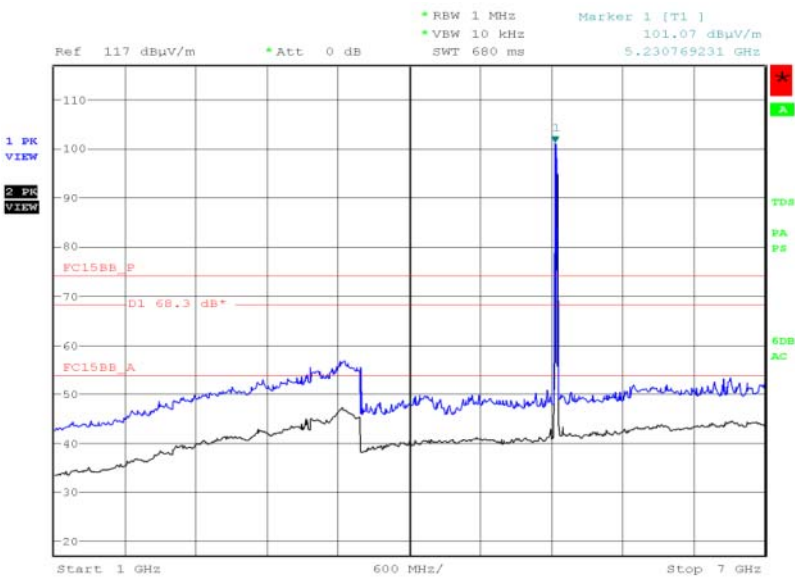
5240 MHz30 MHz to 1 GHz

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
30.147	29.9	31.3	40.0	100	-10.1	-68.7	84	1.00	Horizontal
35.284	27.5	23.7	40.0	100	-12.5	-76.3	49	1.00	Horizontal
113.724	20.7	10.8	43.5	150	-22.8	-139.2	128	1.00	Vertical
122.437	20.8	11.0	43.5	150	-22.7	-139.0	305	1.00	Vertical
830.288	32.8	43.7	46.0	200	-13.2	-156.3	113	1.02	Horizontal
916.940	33.7	48.4	46.0	200	-12.3	-151.6	221	1.00	Horizontal



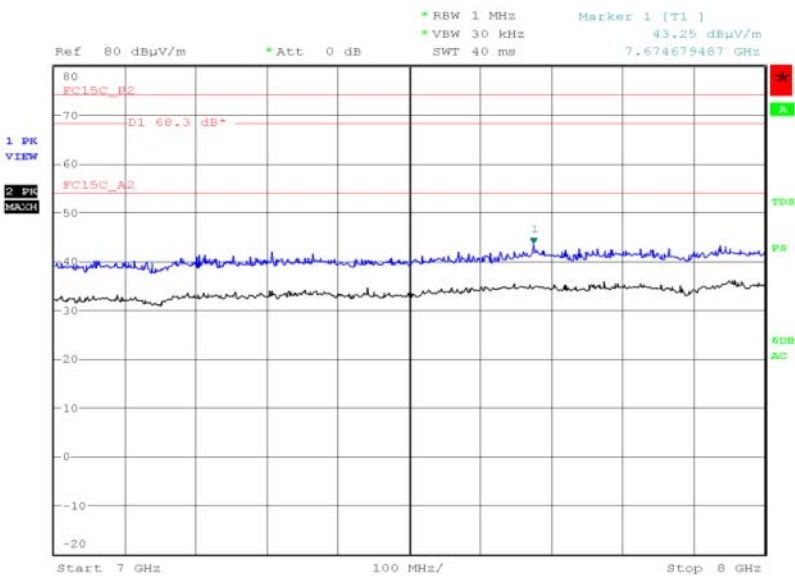
Product Service

1 GHz to 7 GHz



Date: 7.DEC.2014 02:01:46

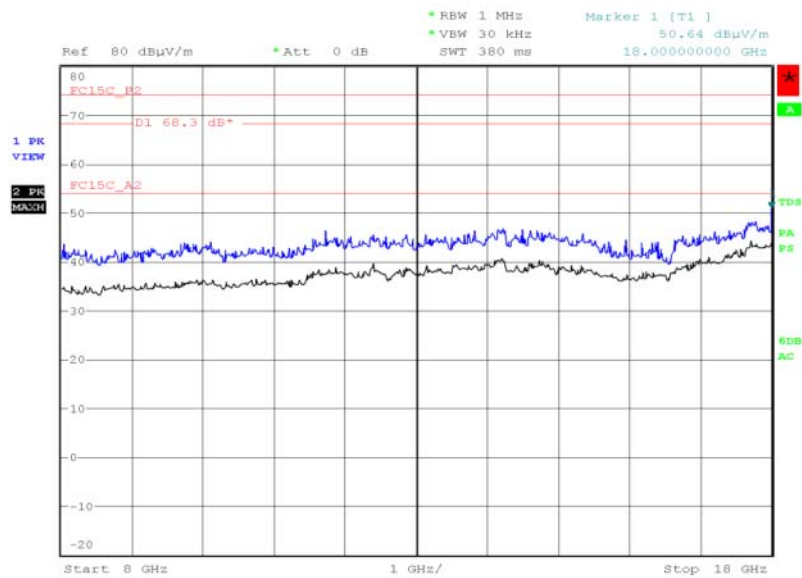
7 GHz to 8 GHz



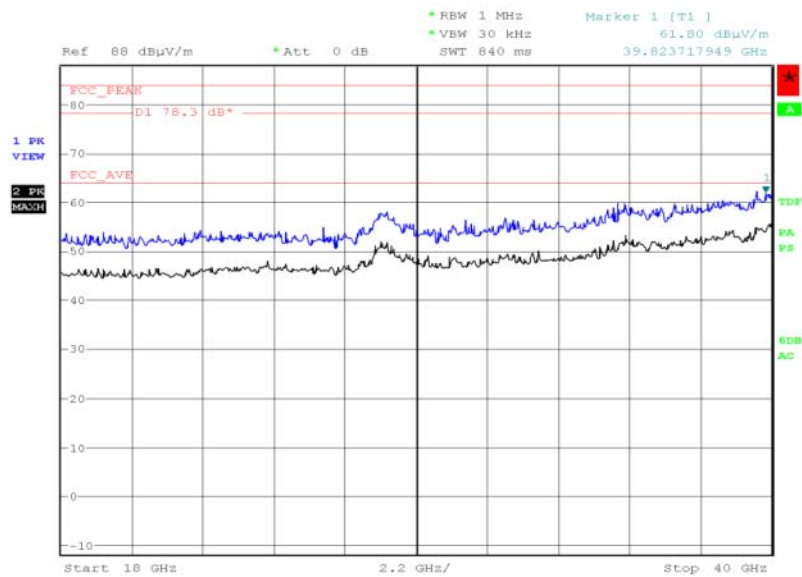
Date: 18.NOV.2014 22:04:47



Product Service

8 GHz to 18 GHz

Date: 16.DEC.2014 21:11:08

18 GHz to 40 GHz

Date: 25.NOV.2014 19:01:36

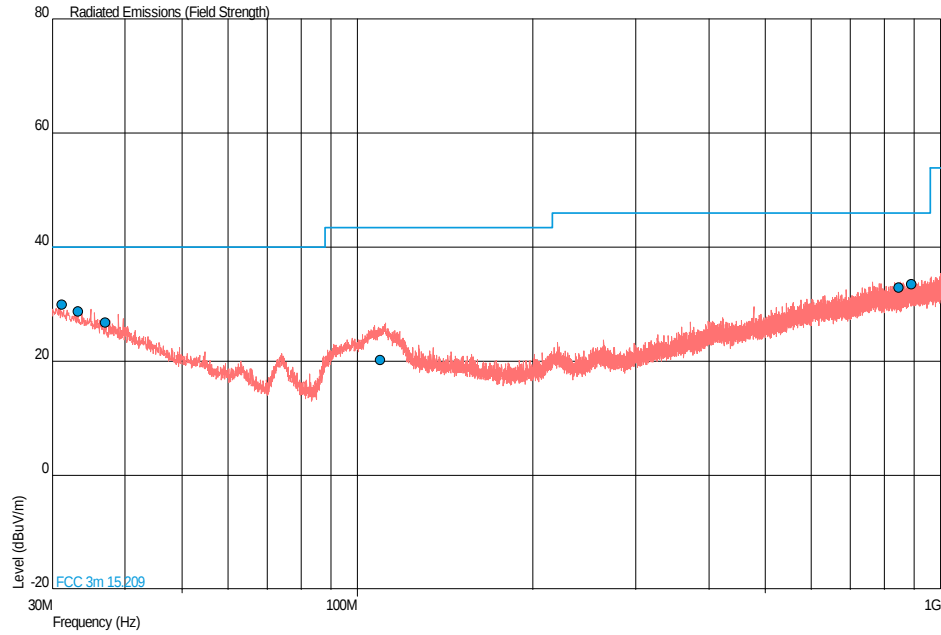


Product Service

Frequency Band 2

5260 MHz

30 MHz to 1 GHz

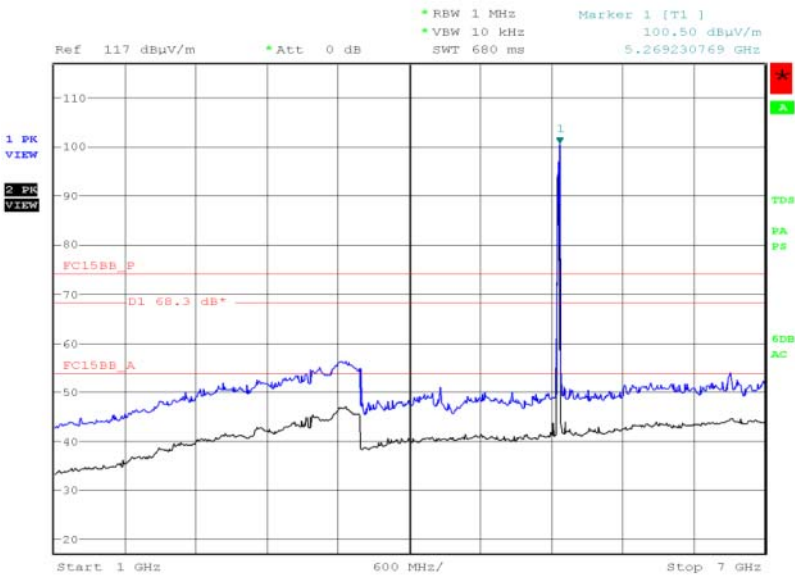


Frequency (MHz)	QP Level (dBμV/m)	QP Level (μV/m)	QP Limit (dBμV/m)	QP Limit (μV/m)	QP Margin (dBμV/m)	QP Margin (μV/m)	Angle (Deg)	Height (m)	Polarity
31.224	29.9	31.3	40.0	100	-10.1	-68.7	90	3.50	Vertical
33.194	28.7	27.2	40.0	100	-11.3	-72.8	60	1.00	Vertical
37.030	26.8	21.9	40.0	100	-13.2	-78.1	321	1.00	Vertical
109.499	20.2	10.2	43.5	150	-23.3	-139.8	52	1.00	Vertical
847.843	32.9	44.2	46.0	200	-13.1	-155.8	110	1.00	Vertical
891.237	33.5	47.3	46.0	200	-12.5	-152.7	198	1.00	Vertical



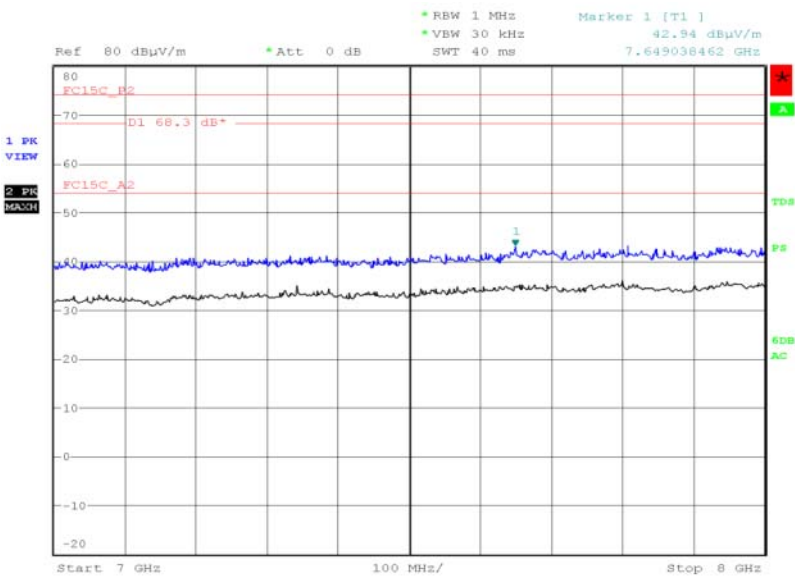
Product Service

1 GHz to 7 GHz



Date: 7.DEC.2014 02:08:01

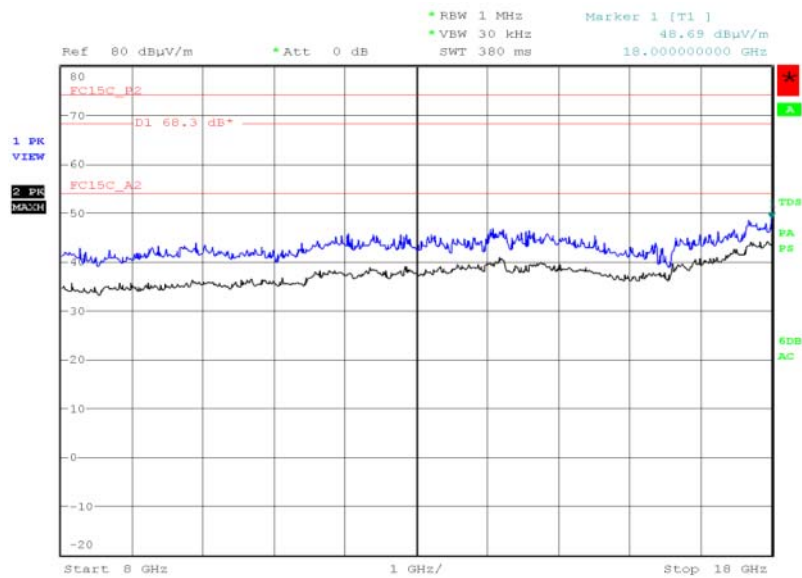
7 GHz to 8 GHz



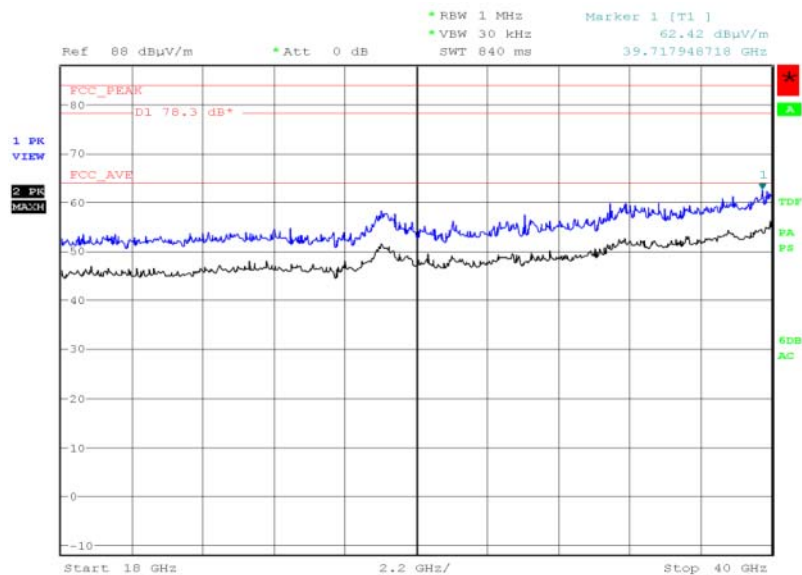
Date: 18.NOV.2014 22:08:09



Product Service

8 GHz to 18 GHz

Date: 16.DEC.2014 21:19:58

18 GHz to 40 GHz

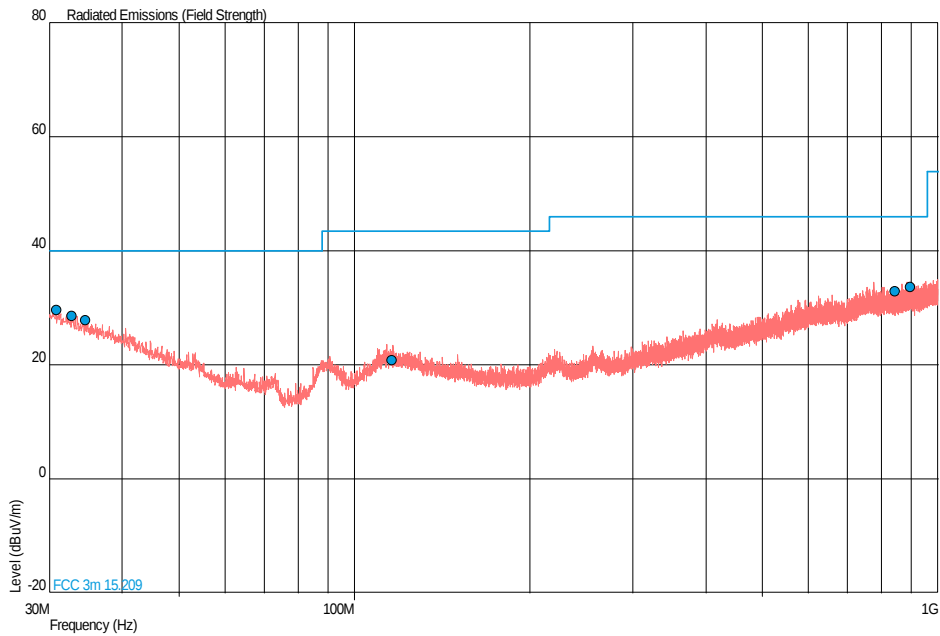
Date: 25.NOV.2014 19:25:12



Product Service

5300 MHz

30 MHz to 1 GHz

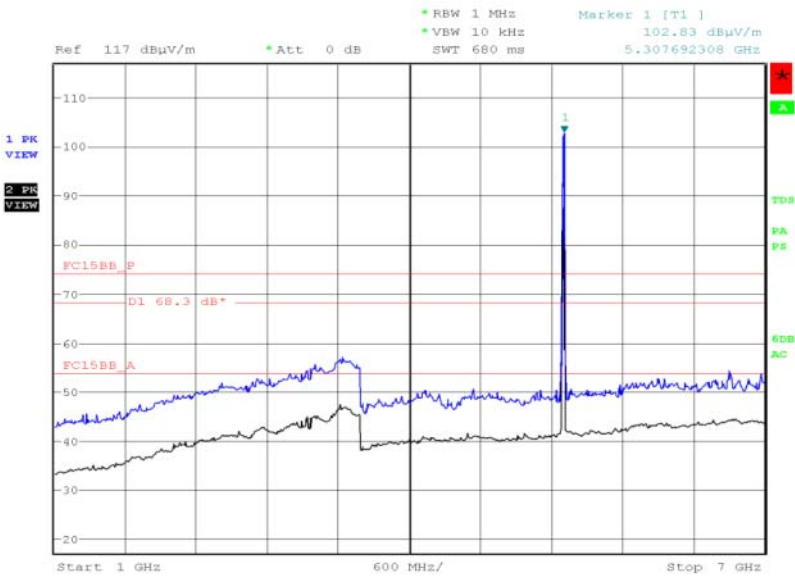


Frequency (MHz)	QP Level (dBµV/m)	QP Level (µV/m)	QP Limit (dBµV/m)	QP Limit (µV/m)	QP Margin (dBµV/m)	QP Margin (µV/m)	Angle (Deg)	Height (m)	Polarity
30.825	29.6	30.2	40.0	100	-10.4	-69.8	90	1.00	Vertical
32.813	28.6	26.9	40.0	100	-11.4	-73.1	270	1.00	Vertical
34.608	27.8	24.5	40.0	100	-12.2	-75.5	270	1.00	Vertical
115.797	20.8	11.0	43.5	150	-22.7	-139.0	270	1.00	Vertical
843.345	32.9	44.2	46.0	200	-13.1	-155.8	180	1.00	Vertical
897.520	33.6	47.9	46.0	200	-12.4	-152.1	0	1.00	Vertical



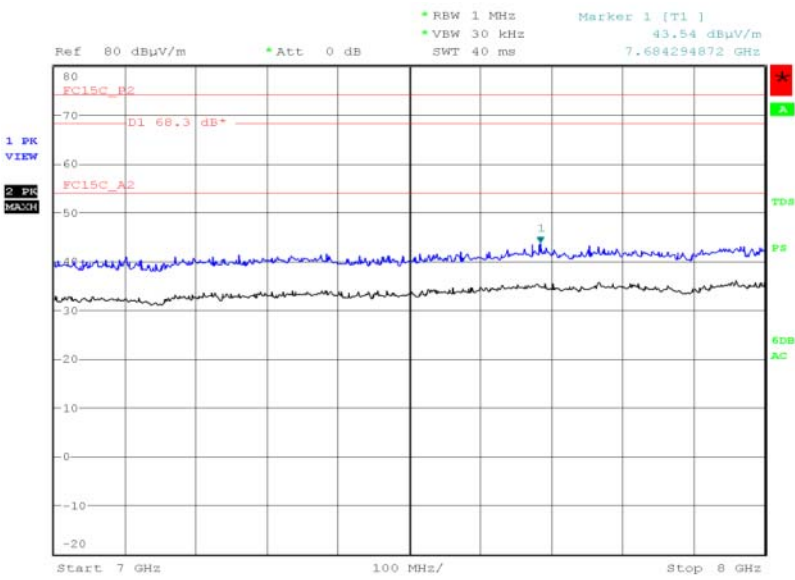
Product Service

1 GHz to 7 GHz



Date: 7.DEC.2014 01:31:53

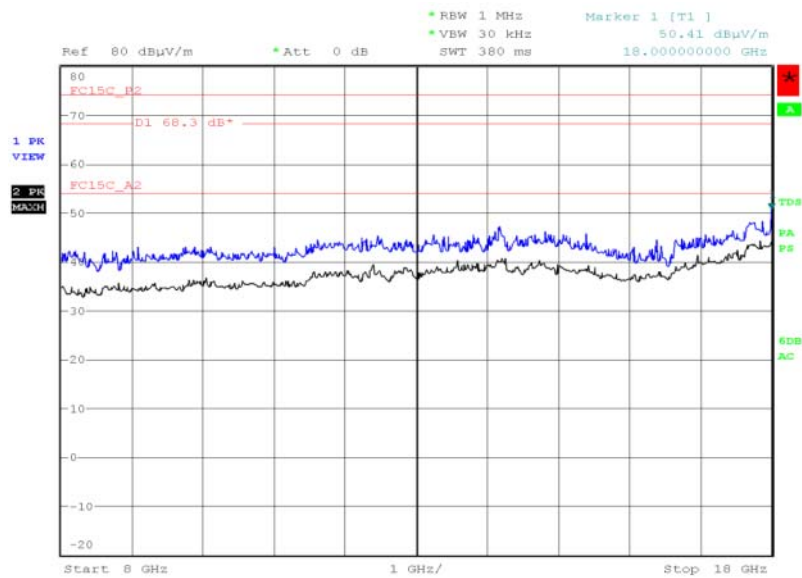
7 GHz to 8 GHz



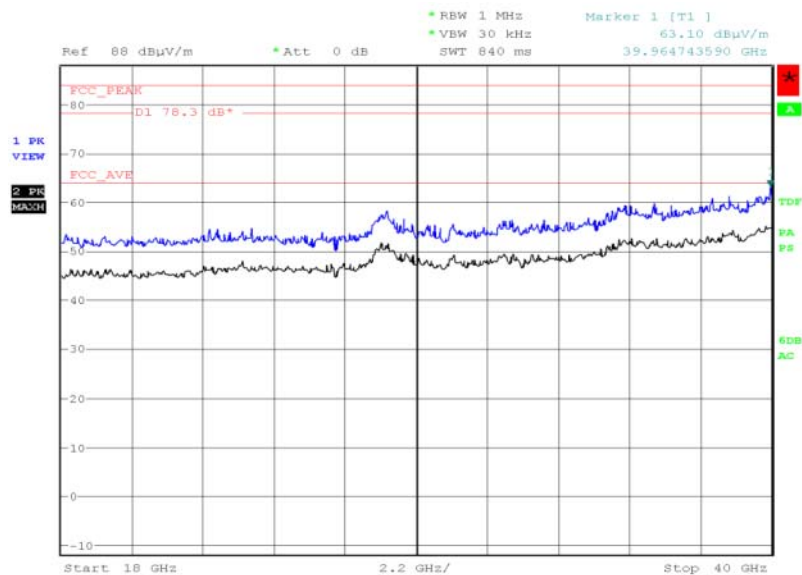
Date: 18.NOV.2014 22:13:01



Product Service

8 GHz to 18 GHz

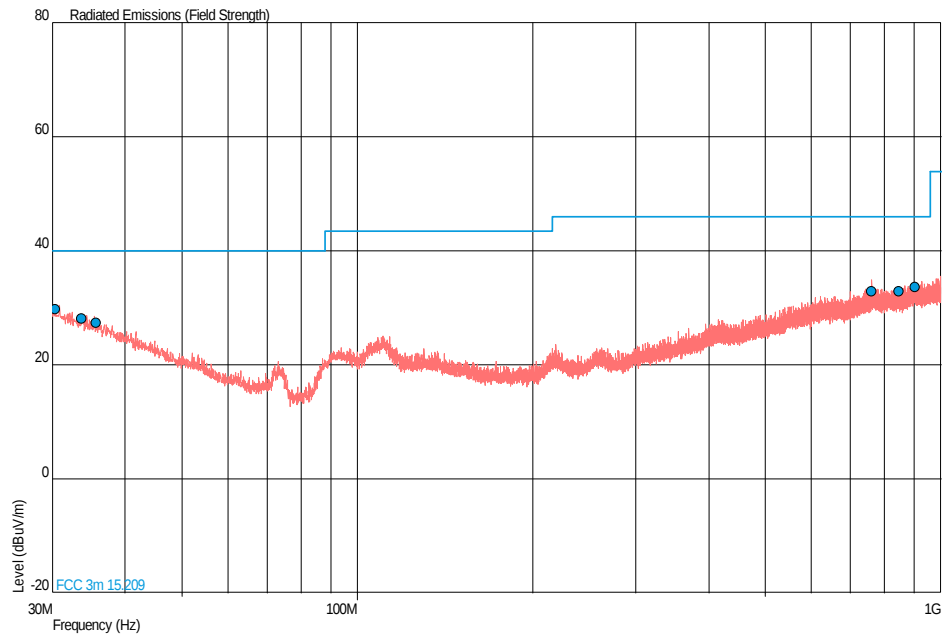
Date: 16.DEC.2014 21:33:01

18 GHz to 40 GHz

Date: 25.NOV.2014 19:44:51



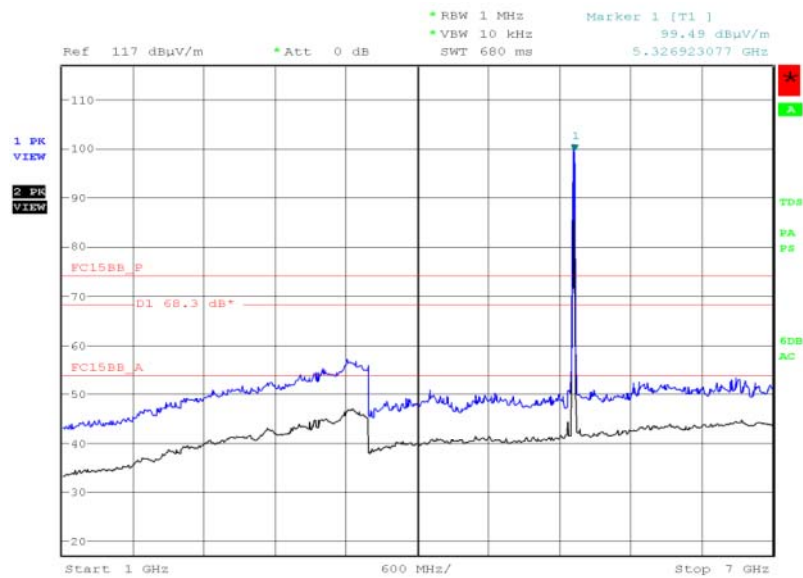
Product Service

5320 MHz30 MHz to 1 GHz

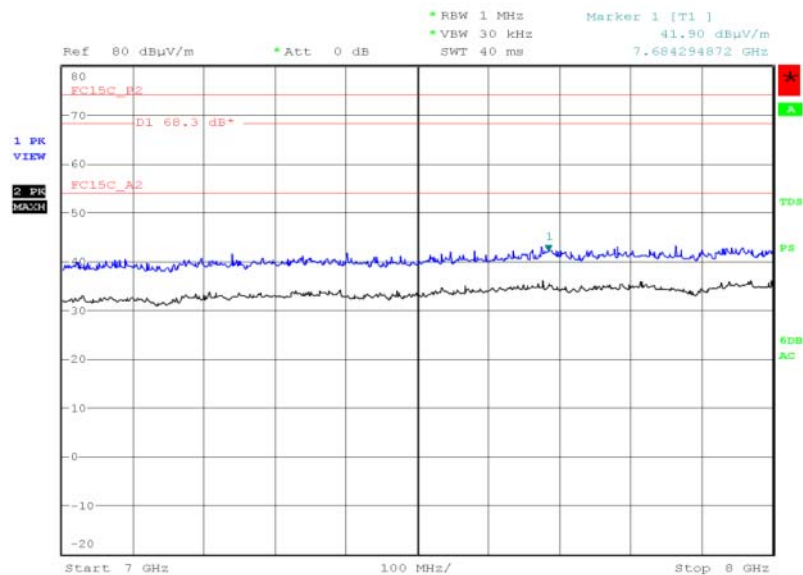
Frequency (MHz)	QP Level (dBμV/m)	QP Level (μV/m)	QP Limit (dBμV/m)	QP Limit (μV/m)	QP Margin (dBμV/m)	QP Margin (μV/m)	Angle (Deg)	Height (m)	Polarity
30.388	29.7	30.5	40.0	100	-10.3	-69.5	270	1.00	Horizontal
33.638	28.2	25.7	40.0	100	-11.8	-74.3	270	1.00	Vertical
35.675	27.4	23.4	40.0	100	-12.6	-76.6	0	1.00	Vertical
760.604	33.0	44.7	46.0	200	-13.0	-155.3	0	1.00	Vertical
847.516	32.9	44.2	46.0	200	-13.1	-155.8	180	1.00	Vertical
903.097	33.7	48.4	46.0	200	-12.3	-151.6	180	1.00	Vertical



Product Service

1 GHz to 7 GHz

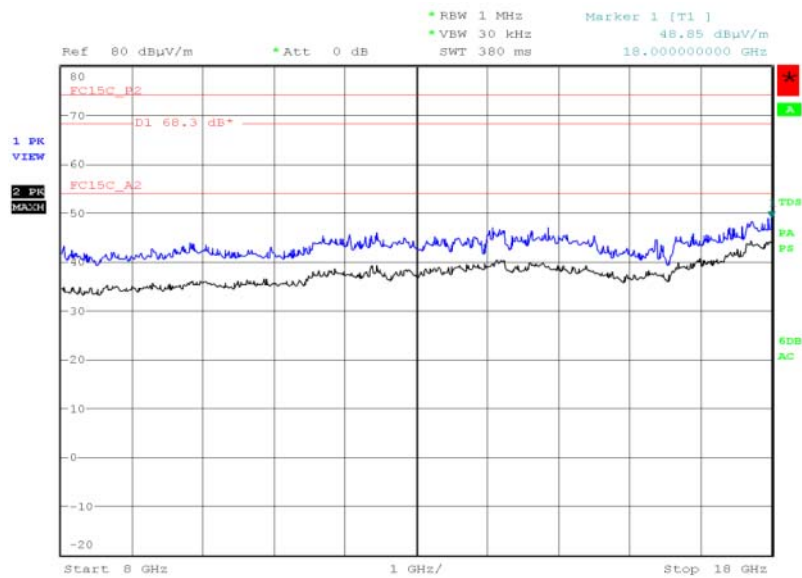
Date: 7.DEC.2014 02:15:58

7 GHz to 8 GHz

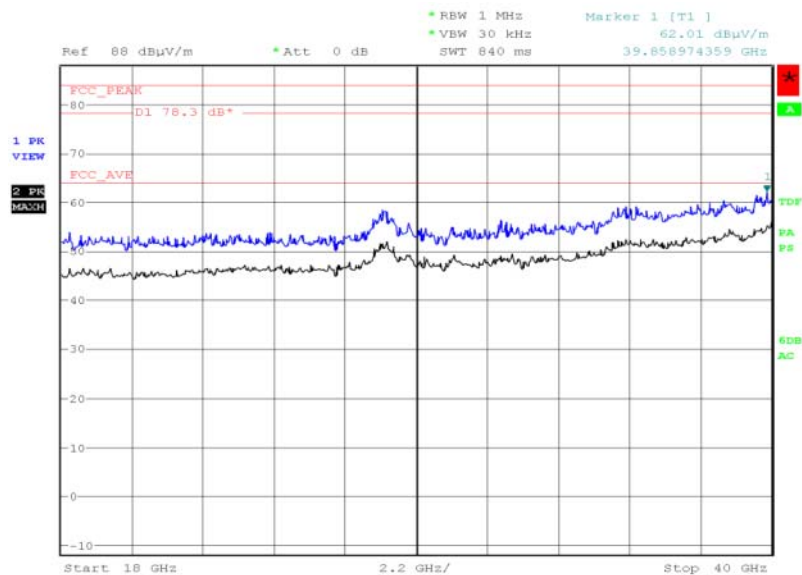
Date: 18.NOV.2014 22:16:42



Product Service

8 GHz to 18 GHz

Date: 16.DEC.2014 21:45:02

18 GHz to 40 GHz

Date: 25.NOV.2014 19:57:39

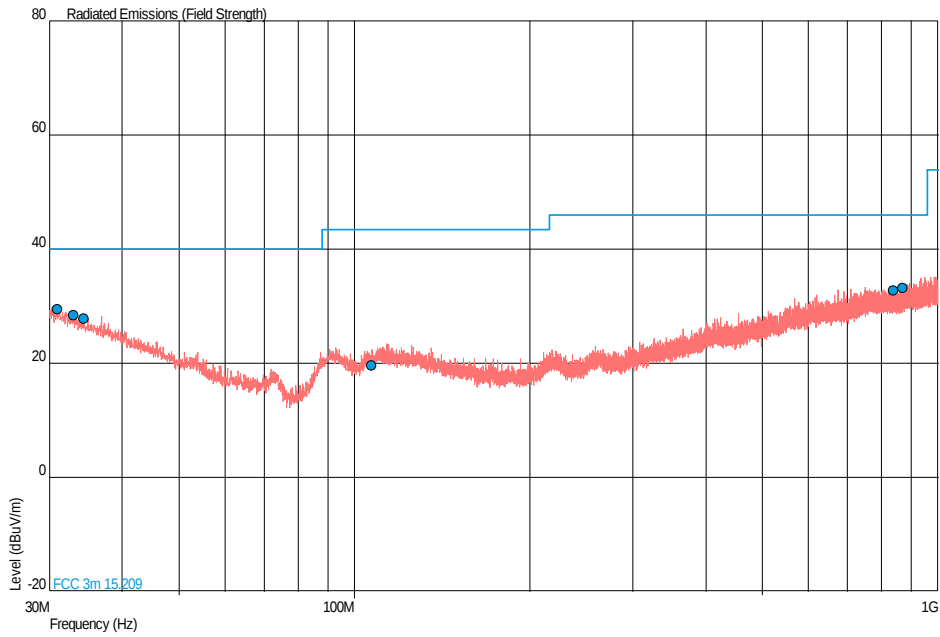


Product Service

Frequency Band 3

5500 MHz

30 MHz to 1 GHz

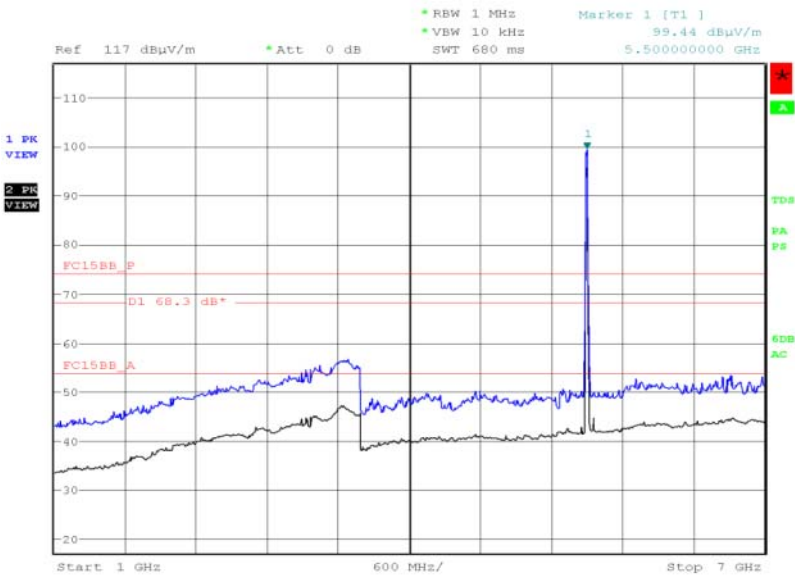


Frequency (MHz)	QP Level (dBμV/m)	QP Level (μV/m)	QP Limit (dBμV/m)	QP Limit (μV/m)	QP Margin (dBμV/m)	QP Margin (μV/m)	Angle (Deg)	Height (m)	Polarity
31.019	29.5	29.9	40.0	100	-10.5	-70.1	180	1.00	Vertical
33.056	28.4	26.3	40.0	100	-11.6	-73.7	90	1.00	Vertical
34.365	27.9	24.8	40.0	100	-12.1	-75.2	0	1.00	Vertical
107.018	19.7	9.7	43.5	150	-23.8	-140.3	90	1.00	Vertical
837.137	32.8	43.7	46.0	200	-13.2	-156.3	0	1.00	Vertical
869.535	33.2	45.7	46.0	200	-12.8	-154.3	90	1.00	Vertical



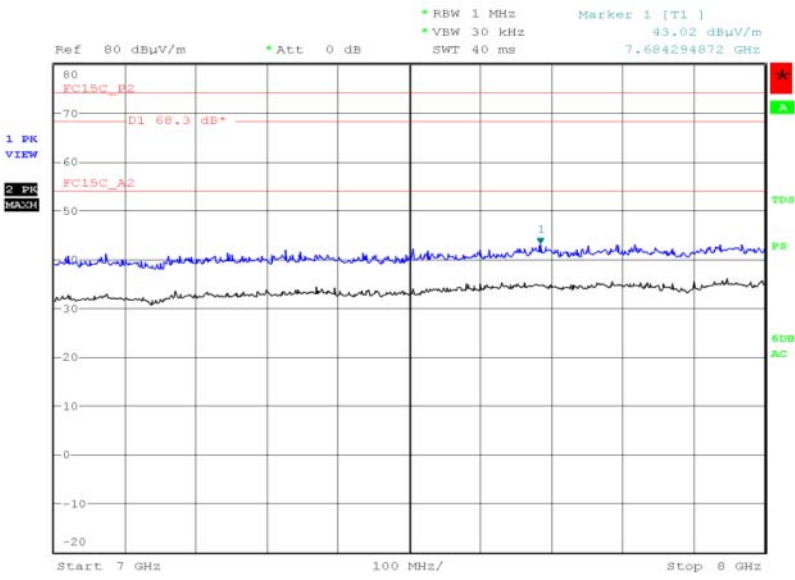
Product Service

1 GHz to 7 GHz



Date: 7.DEC.2014 02:24:17

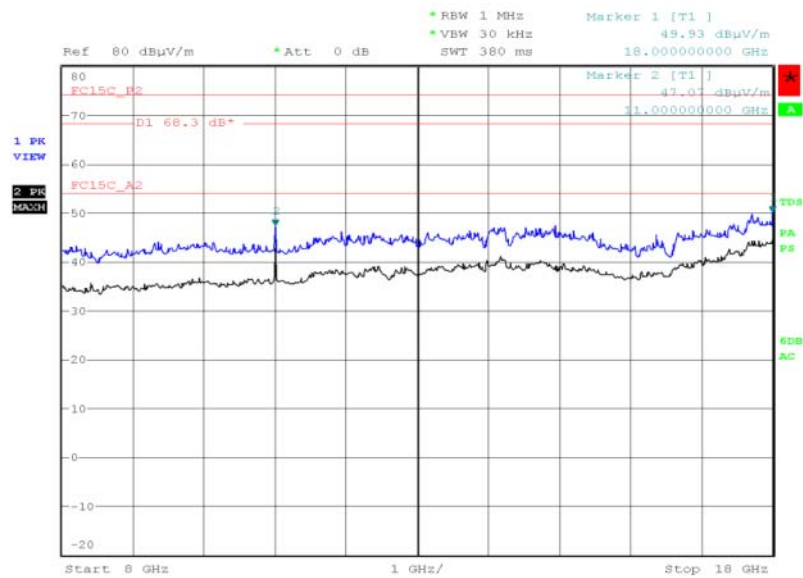
7 GHz to 8 GHz



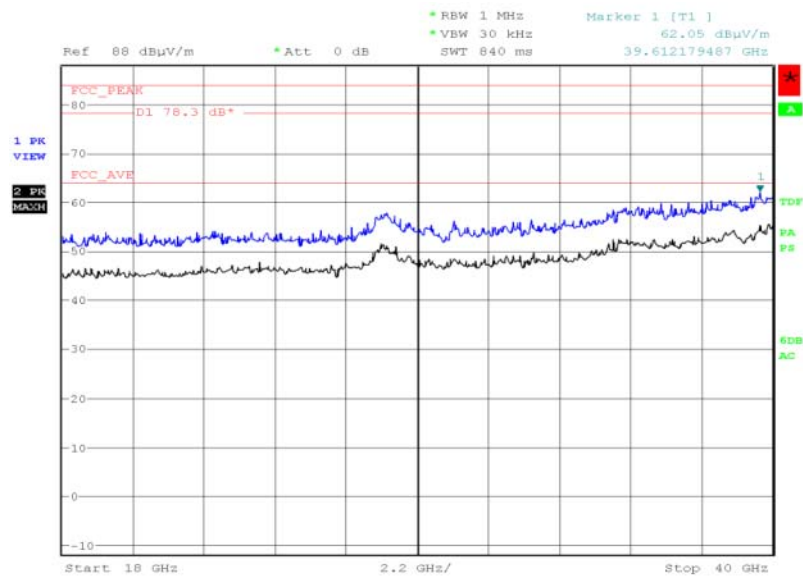
Date: 18.NOV.2014 22:21:38



Product Service

8 GHz to 18 GHz

Date: 16.DEC.2014 21:55:32

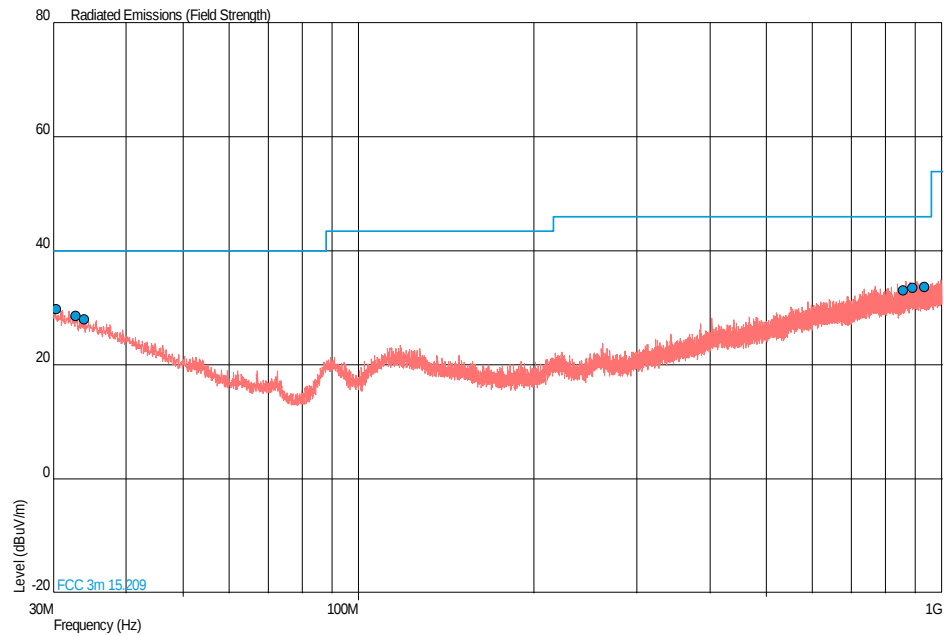
18 GHz to 40 GHz

Date: 25.NOV.2014 20:13:24



5600 MHz

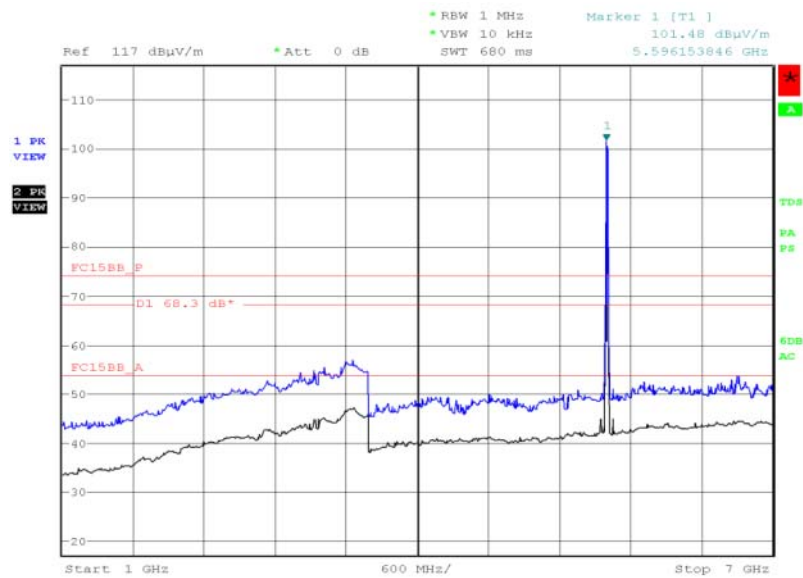
30 MHz to 1 GHz



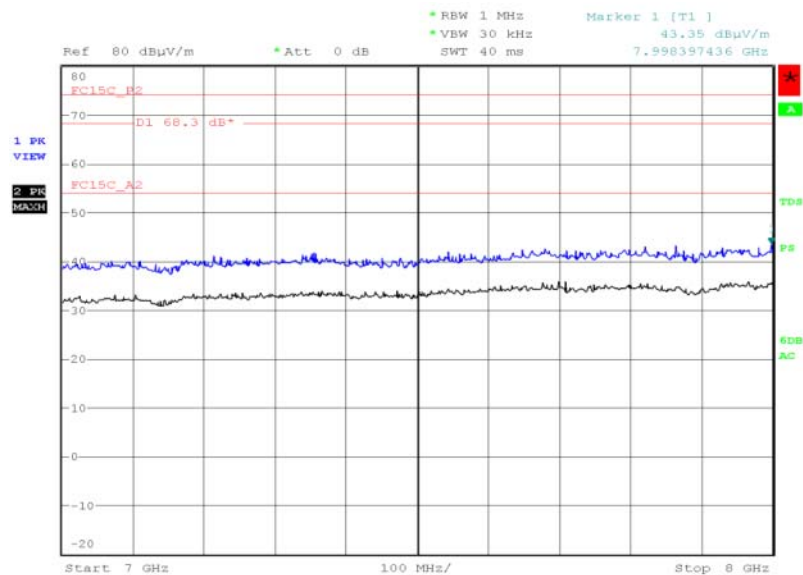
Frequency (MHz)	QP Level (dBμV/m)	QP Level (μV/m)	QP Limit (dBμV/m)	QP Limit (μV/m)	QP Margin (dBμV/m)	QP Margin (μV/m)	Angle (Deg)	Height (m)	Polarity
30.388	29.8	30.9	40.0	100	-10.2	-69.1	0	1.00	Vertical
32.813	28.5	26.6	40.0	100	-11.5	-73.4	0	1.00	Vertical
33.880	28.0	25.1	40.0	100	-12.0	-74.9	270	1.00	Vertical
858.914	33.0	44.7	46.0	200	-13.0	-155.3	90	1.00	Vertical
891.748	33.5	47.3	46.0	200	-12.5	-152.7	0	1.00	Vertical
933.361	33.6	47.9	46.0	200	-12.4	-152.1	90	1.00	Vertical



Product Service

1 GHz to 7 GHz

Date: 7.DEC.2014 02:30:53

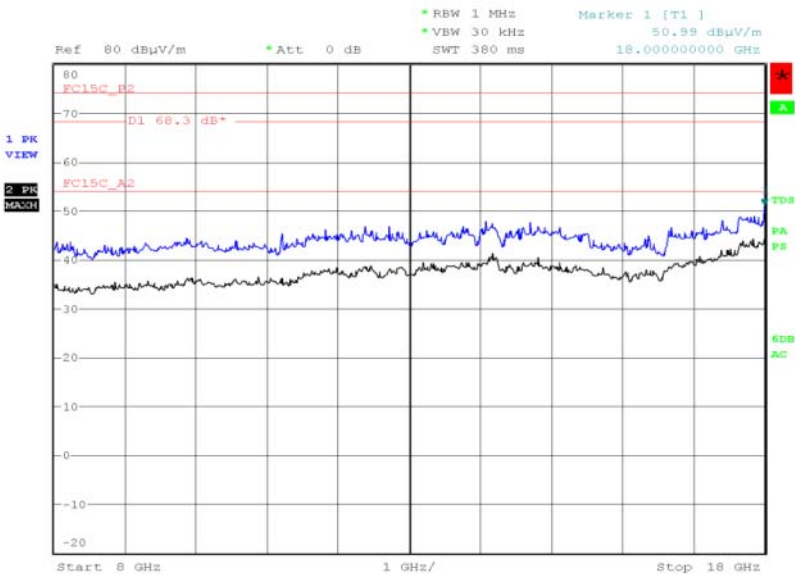
7 GHz to 8 GHz

Date: 18.NOV.2014 22:25:22



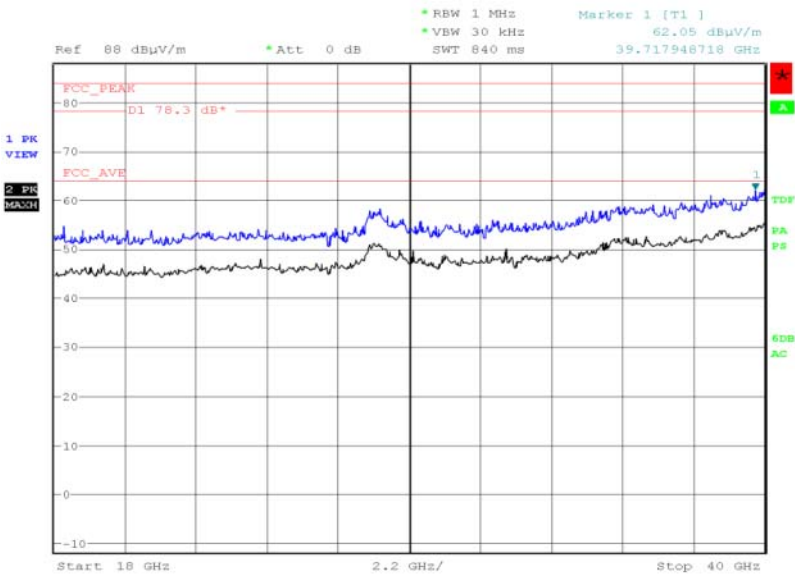
Product Service

8 GHz to 18 GHz



Date: 16.DEC.2014 22:14:21

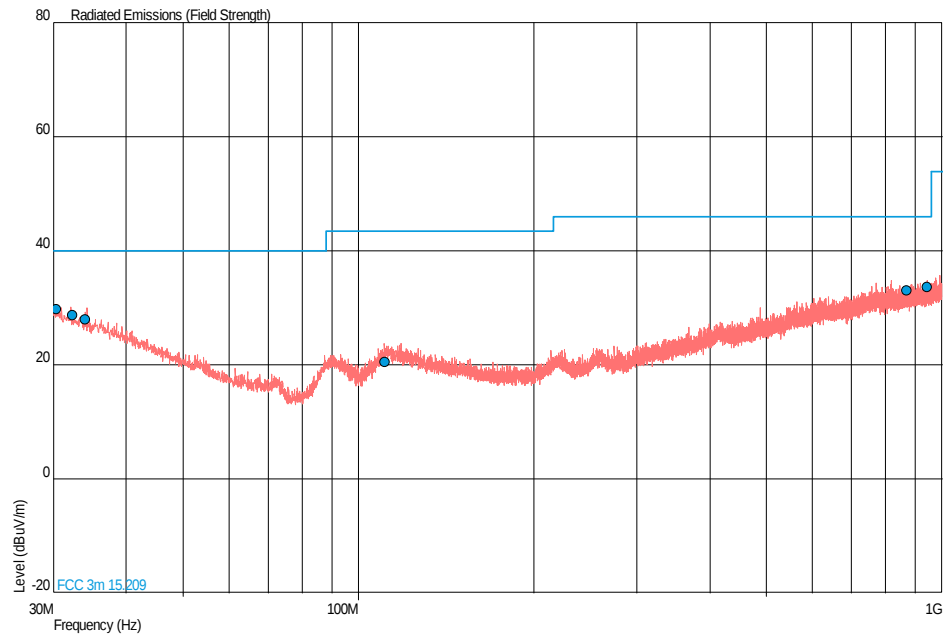
18 GHz to 40 GHz



Date: 25.NOV.2014 20:24:17



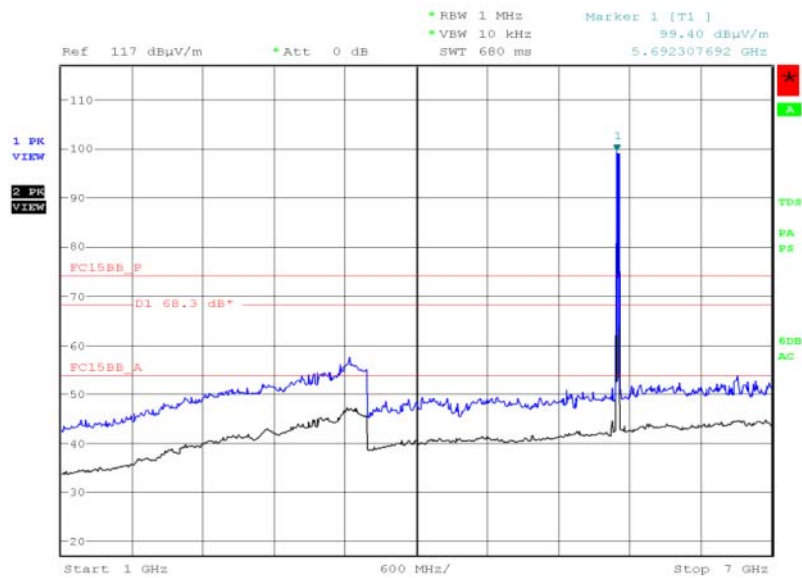
Product Service

5700 MHz30 MHz to 1 GHz

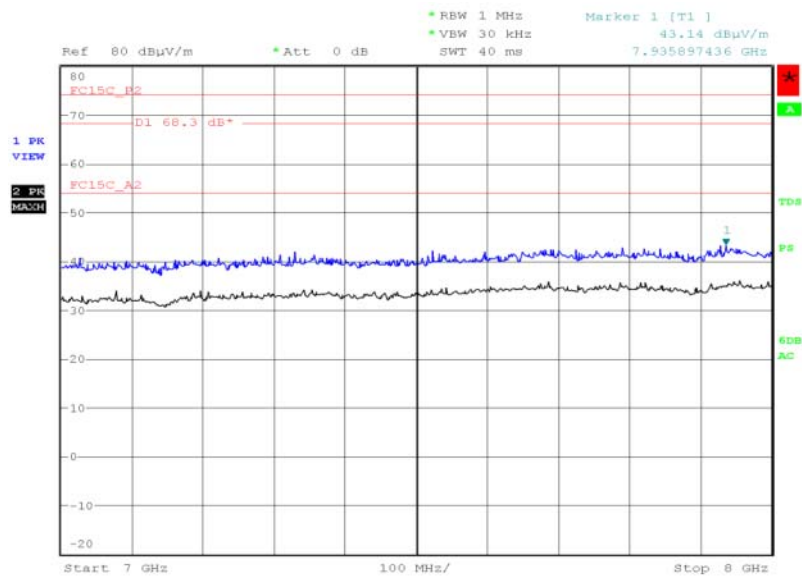
Frequency (MHz)	QP Level (dBμV/m)	QP Level (μV/m)	QP Limit (dBμV/m)	QP Limit (μV/m)	QP Margin (dBμV/m)	QP Margin (μV/m)	Angle (Deg)	Height (m)	Polarity
30.388	29.7	30.5	40.0	100	-10.3	-69.5	90	1.00	Horizontal
32.385	28.7	27.2	40.0	100	-11.3	-72.8	90	1.00	Horizontal
34.074	27.9	24.8	40.0	100	-12.1	-75.2	180	1.00	Horizontal
110.947	20.5	10.6	43.5	150	-23.0	-139.4	180	1.00	Vertical
869.130	33.1	45.2	46.0	200	-12.9	-154.8	180	1.00	Vertical
941.412	33.7	48.4	46.0	200	-12.3	-151.6	180	1.00	Vertical



Product Service

1 GHz to 7 GHz

Date: 7.DEC.2014 02:38:12

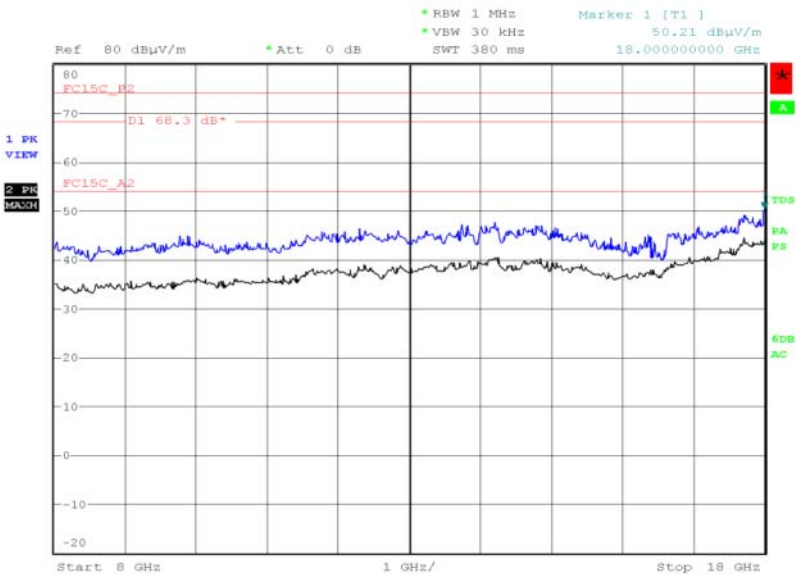
7 GHz to 8 GHz

Date: 18.NOV.2014 22:29:03



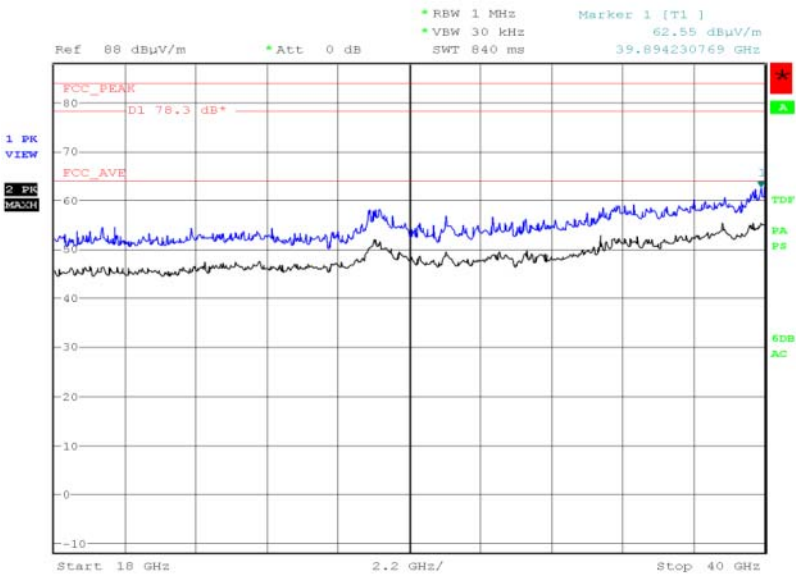
Product Service

8 GHz to 18 GHz



Date: 16.DEC.2014 22:22:56

18 GHz to 40 GHz



Date: 25.NOV.2014 20:38:22

Limit

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

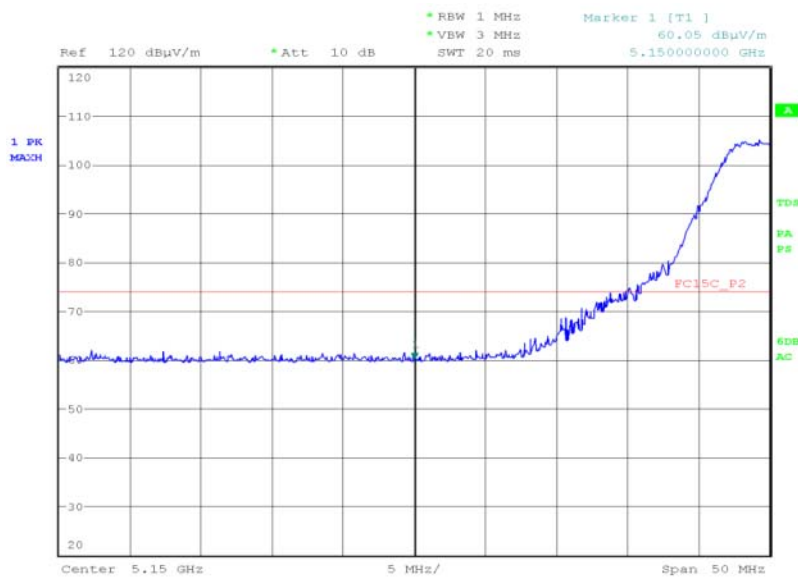


Product Service

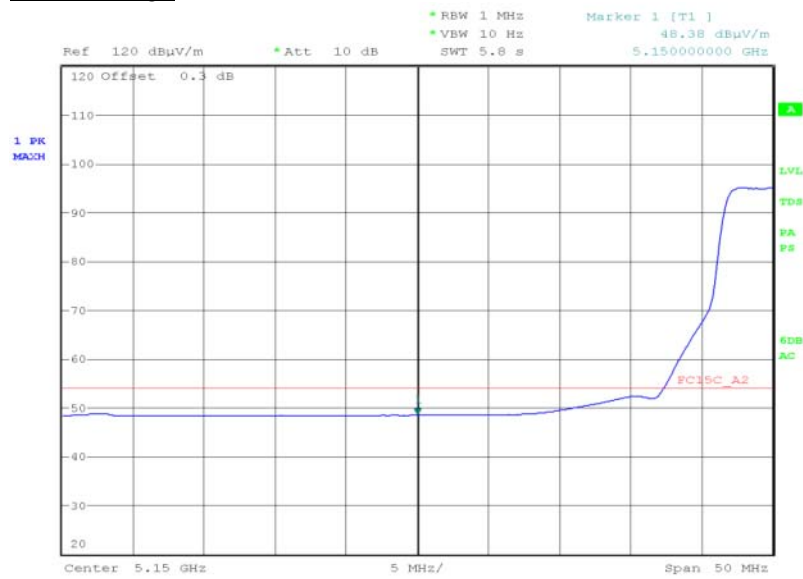
Band Edge

Modulation/Data Rate: OFDM/9 Mbps

Restricted Bands of Operation		
Frequency (MHz)	Final Peak (dBμV/m)	Final Average (dBμV/m)
5150.00	60.05	48.38
5350.00	60.78	49.13
5460.00	60.69	49.03

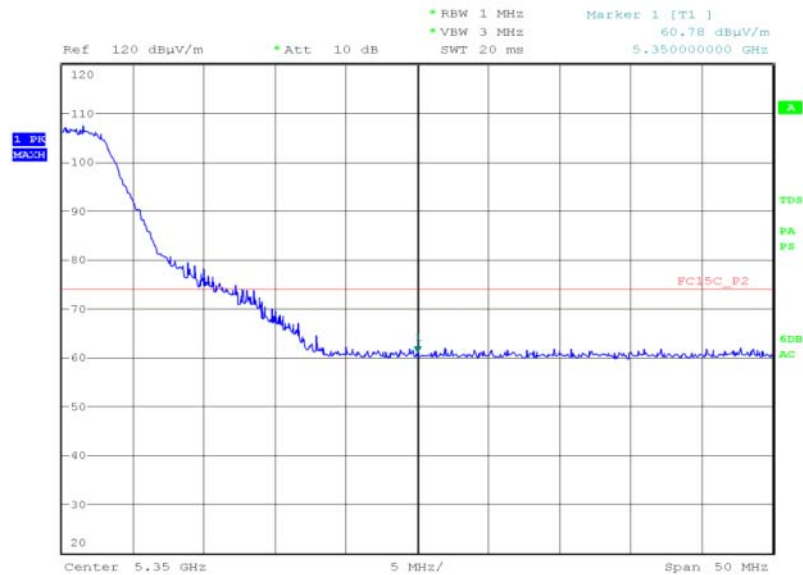
5150.00 MHzFinal Peak

Date: 9.DEC.2014 19:29:10

Final Average

Date: 9.DEC.2014 19:30:20

5350.00 MHz

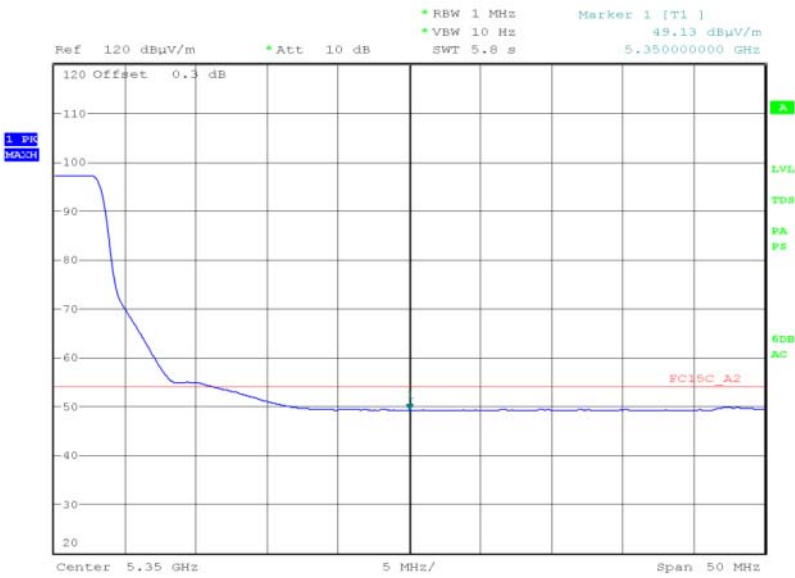
Final Peak

Date: 9.DEC.2014 20:11:56



Product Service

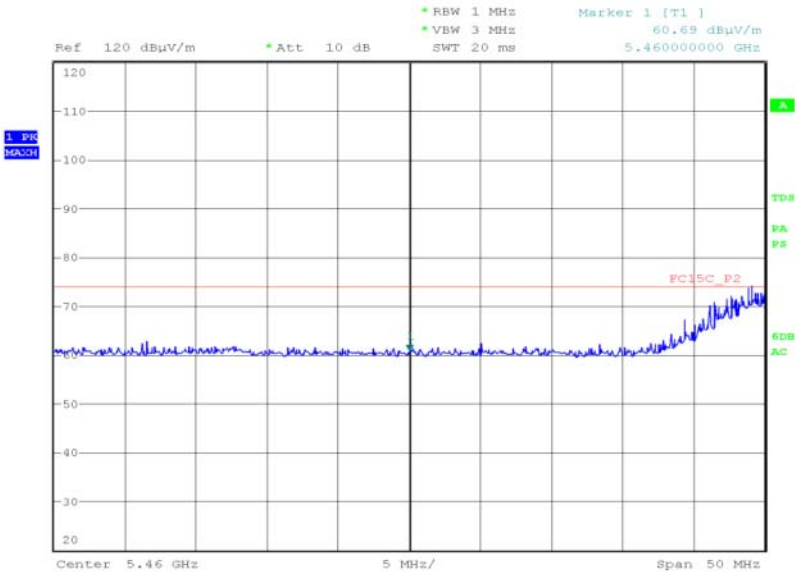
Final Average



Date: 9.DEC.2014 20:30:55

5460.00 MHz

Final Peak

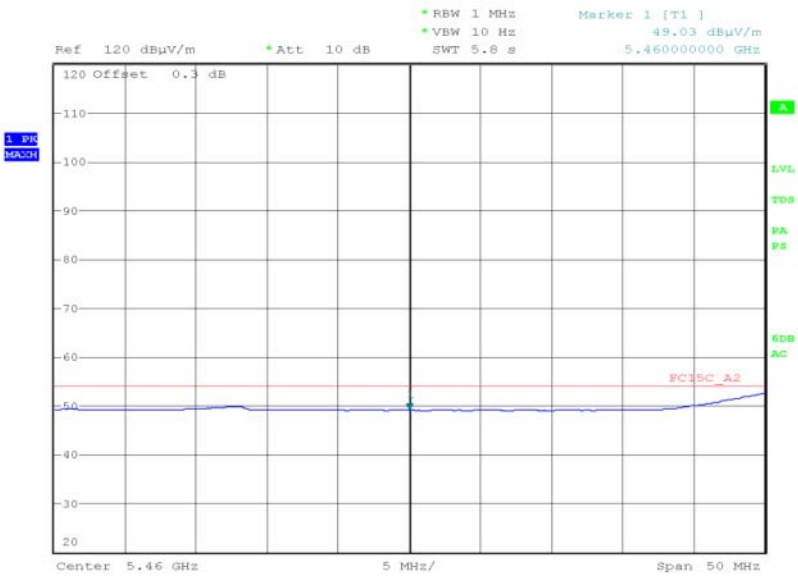


Date: 9.DEC.2014 20:21:48



Product Service

Final Average



Date: 9.DEC.2014 20:23:49

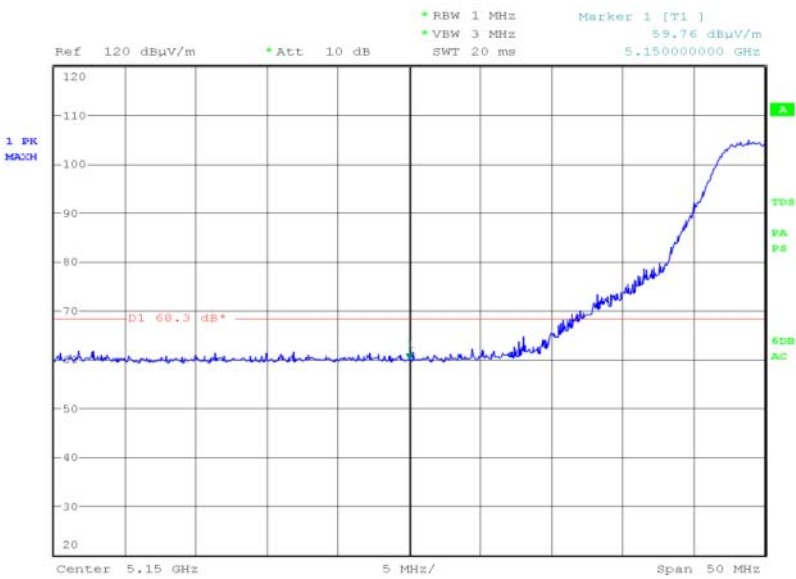


Product Service

Band Edge	
Frequency (MHz)	Final Peak (dBm)
5150.00	-35.44
5350.00	-34.26
5470.00	-35.06
5725.00	-34.32

5150.00 MHz

Final Peak



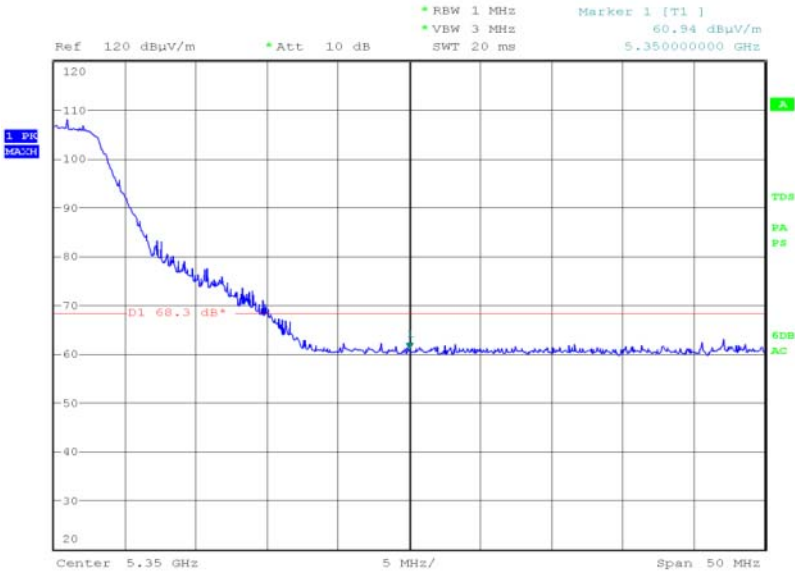
Date: 9.DEC.2014 19:32:23



Product Service

5350.00 MHz

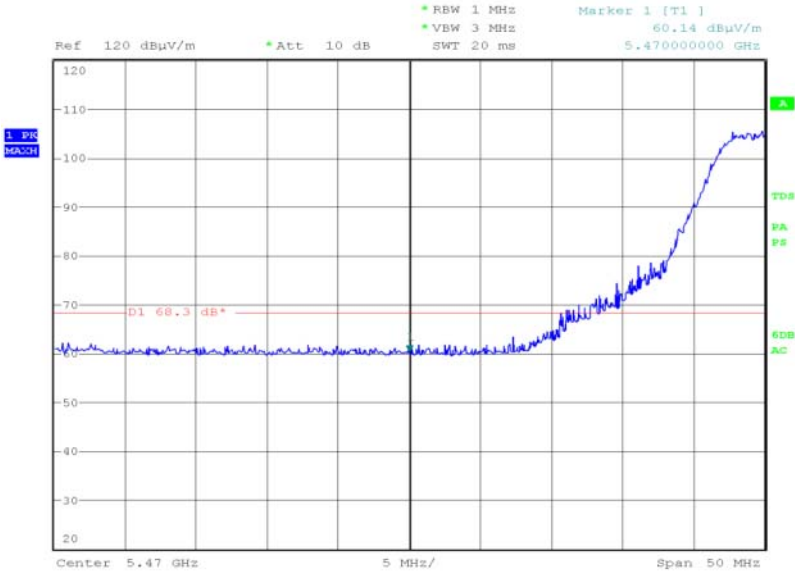
Final Peak



Date: 9.DEC.2014 20:10:40

5470.00 MHz

Final Peak



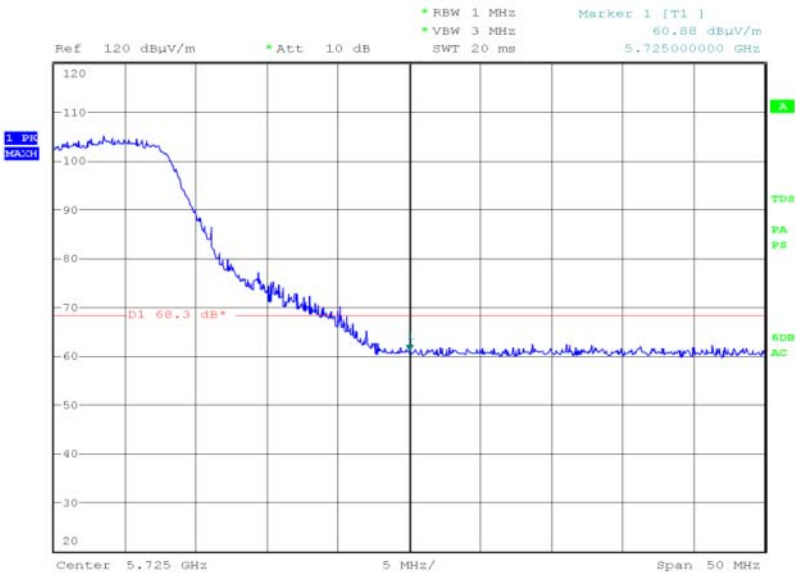
Date: 9.DEC.2014 20:26:08



Product Service

5725.00 MHz

Final Peak

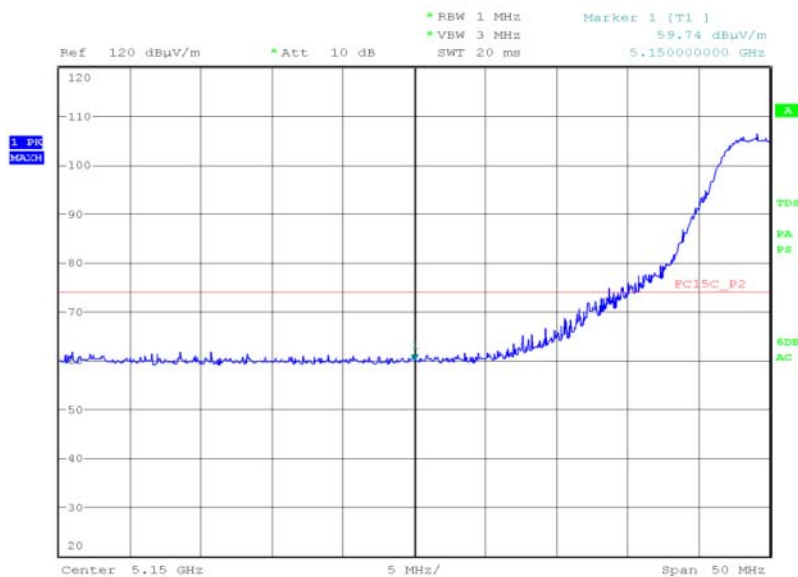


Date: 9.DEC.2014 20:54:48

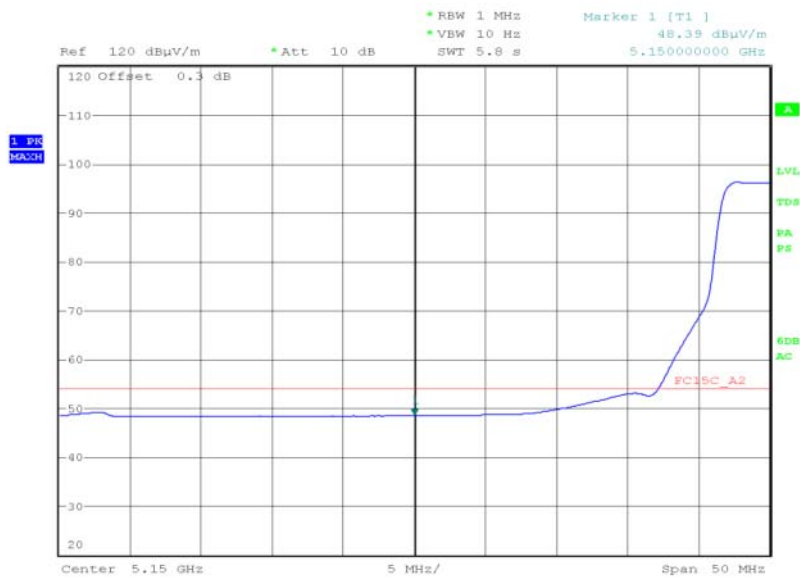


Modulation/Data Rate: OFDM/6 Mbps

Restricted Bands of Operation		
Frequency (MHz)	Final Peak (dBμV/m)	Final Average (dBμV/m)
5150.00	59.74	48.39
5350.00	62.42	49.13
5460.00	60.11	49.04

5150.00 MHzFinal Peak

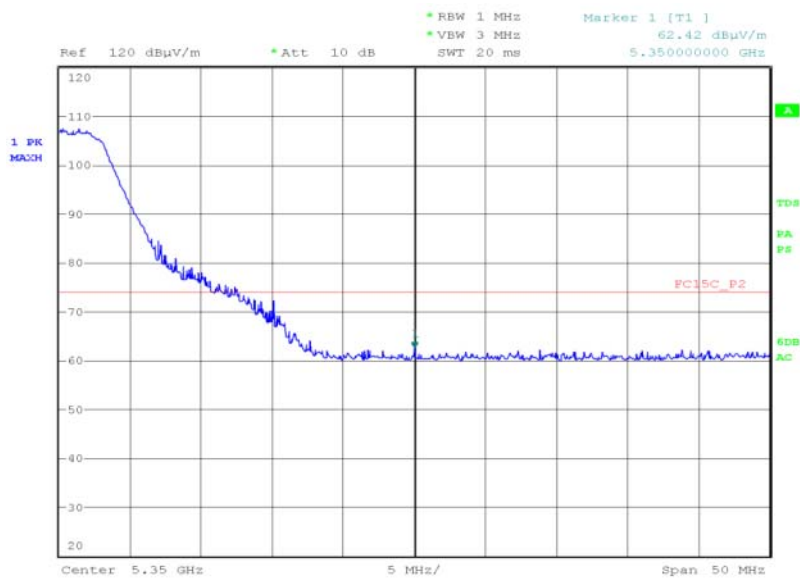
Date: 9.DEC.2014 19:39:50

Final Average

Date: 9.DEC.2014 19:40:48

5350.00 MHz

Final Peak

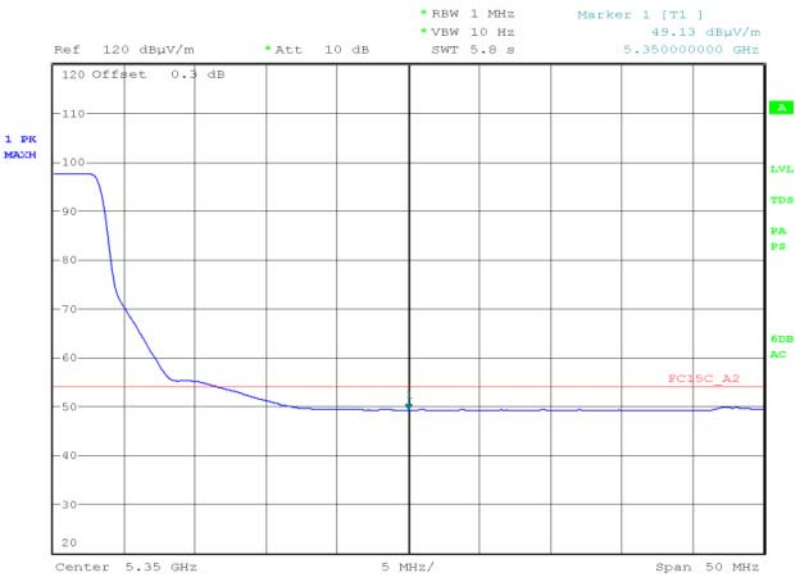


Date: 9.DEC.2014 20:05:19



Product Service

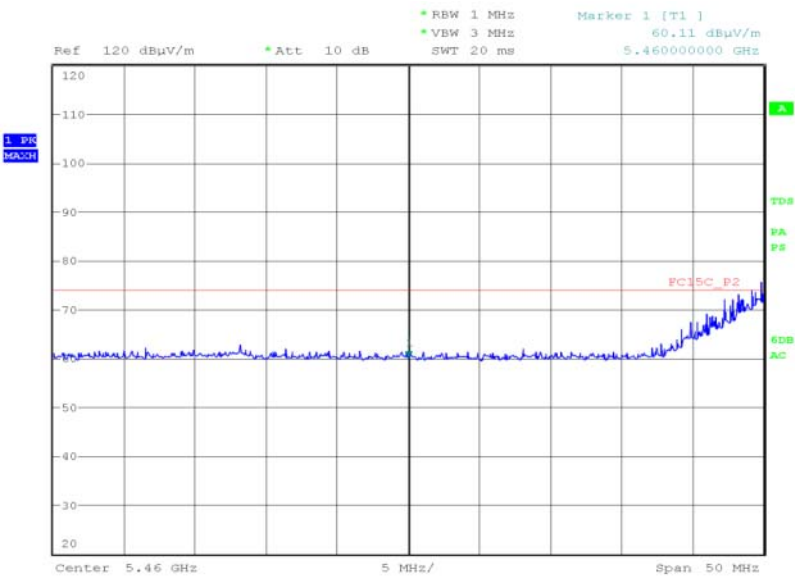
Final Average



Date: 9.DEC.2014 20:03:30

5460.00 MHz

Final Peak

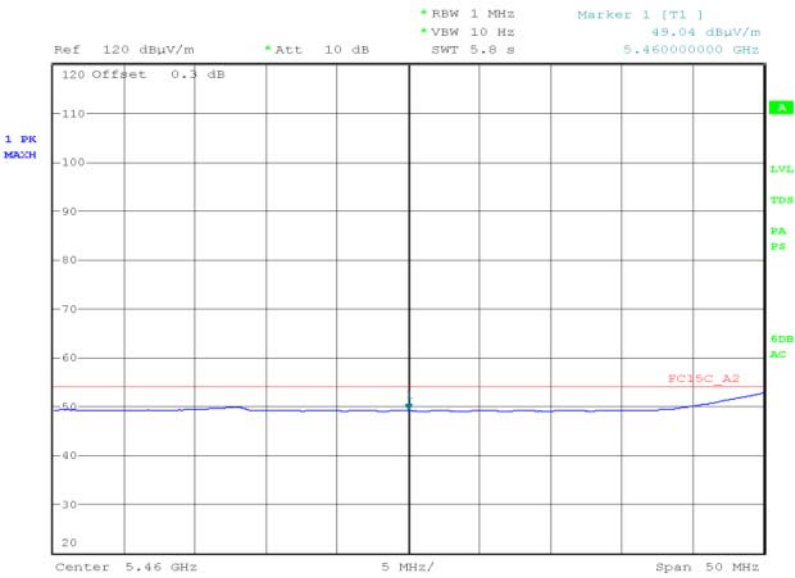


Date: 9.DEC.2014 20:43:22



Product Service

Final Average

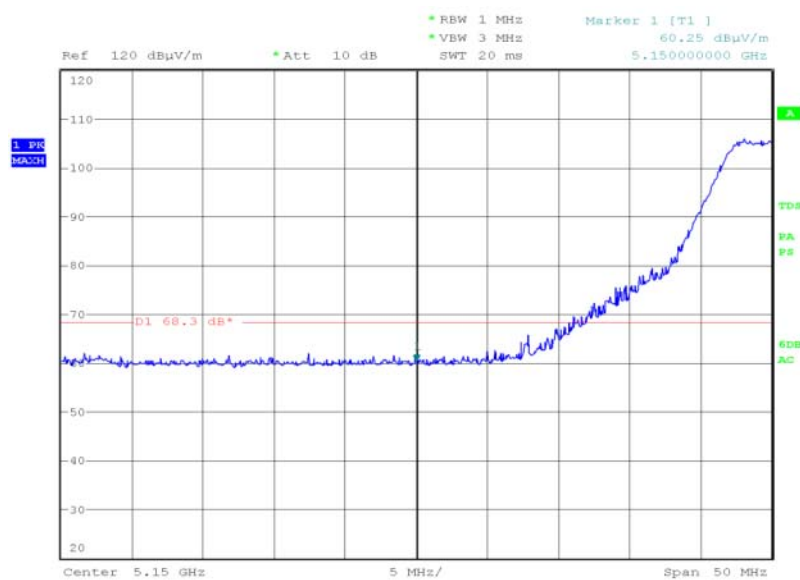


Date: 9.DEC.2014 20:42:15



Product Service

Band Edge	
Frequency (MHz)	Final Peak (dBm)
5150.00	-34.26
5350.00	-34.40
5470.00	-34.30
5725.00	-35.16

5150.00 MHzFinal Peak

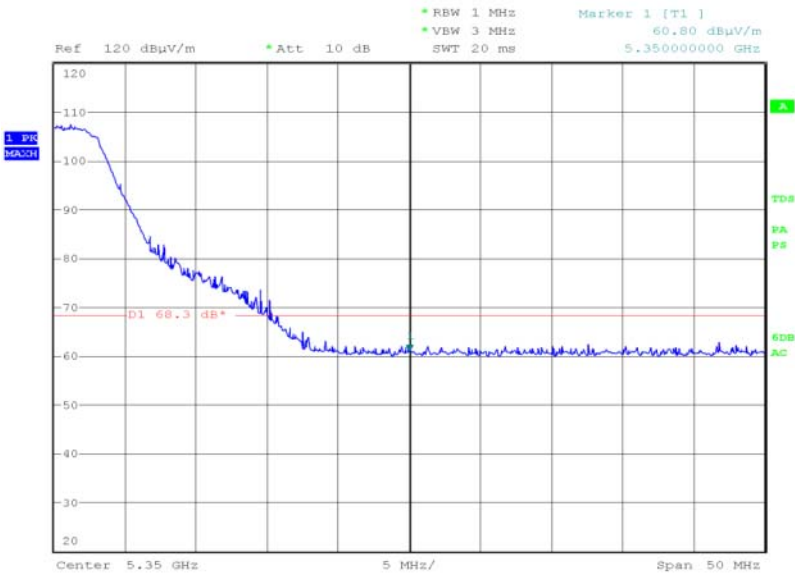
Date: 9.DEC.2014 19:38:25



Product Service

5350.00 MHz

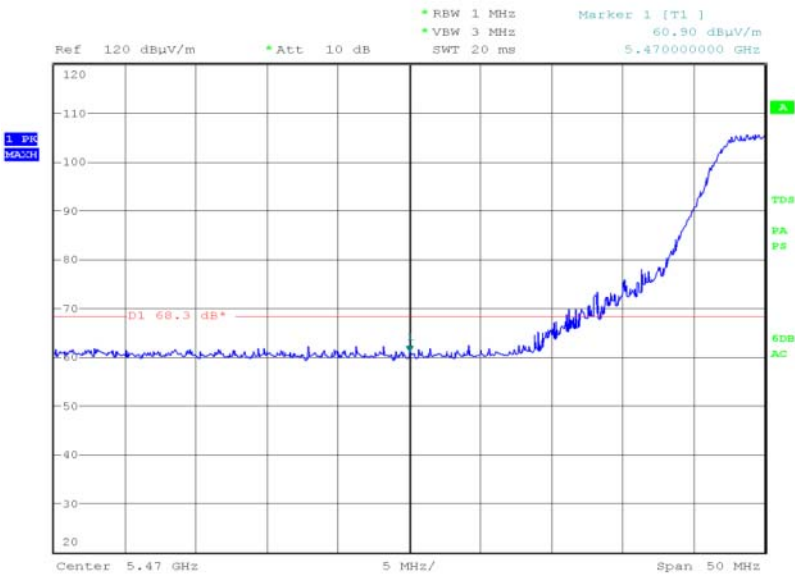
Final Peak



Date: 9.DEC.2014 20:06:52

5470.00 MHz

Final Peak



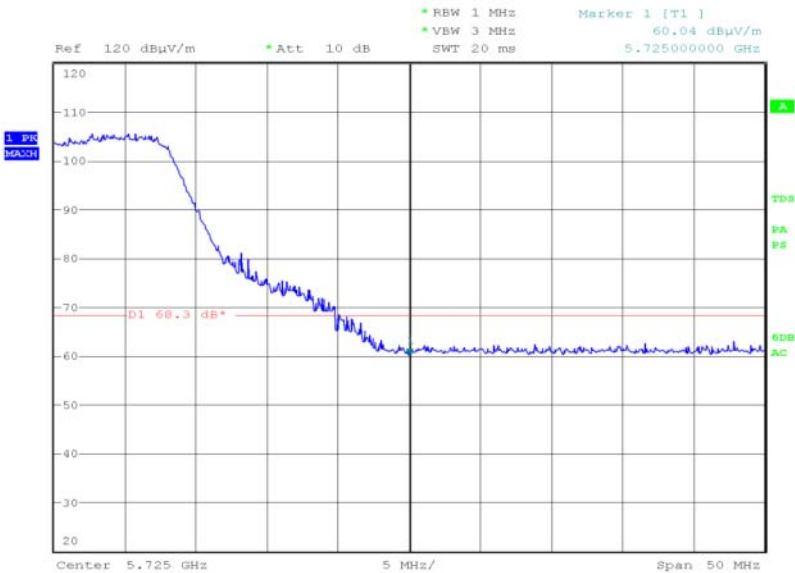
Date: 9.DEC.2014 20:44:14



Product Service

5725.00 MHz

Final Peak



Date: 9.DEC.2014 20:49:12

Remark

The test was performed on 6 Mbps because this was deemed the worst case data rate for 26 dB Bandwidth.

The test was performed on 9 Mbps because this was deemed the worst case data rate for Conducted Output Power.

Limit

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



Product Service

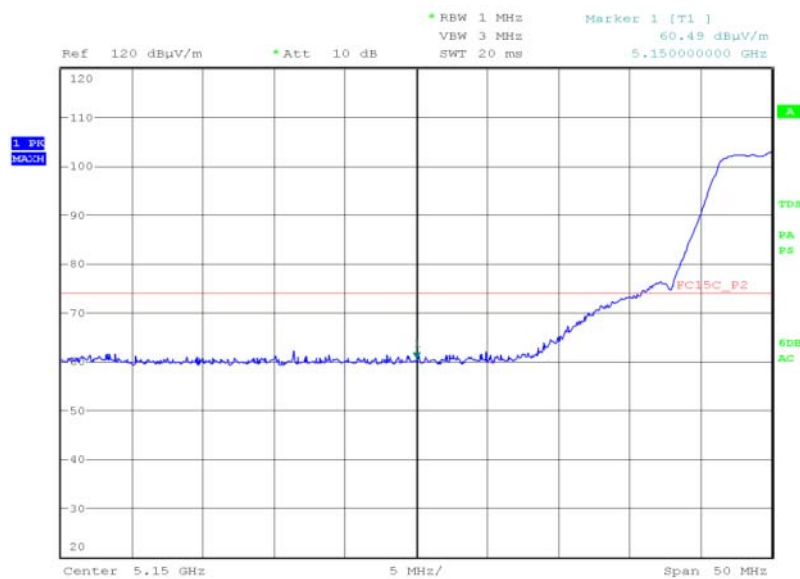
802.11(ac) - 5 GHz 20 MHz BW

4.0 V DC Supply

Band Edge

Modulation/Data Rate: OFDM/MCS0

Restricted Bands of Operation		
Frequency (MHz)	Final Peak (dBμV/m)	Final Average (dBμV/m)
5150.00	60.49	48.12
5350.00	60.19	48.81
5460.00	60.22	48.76

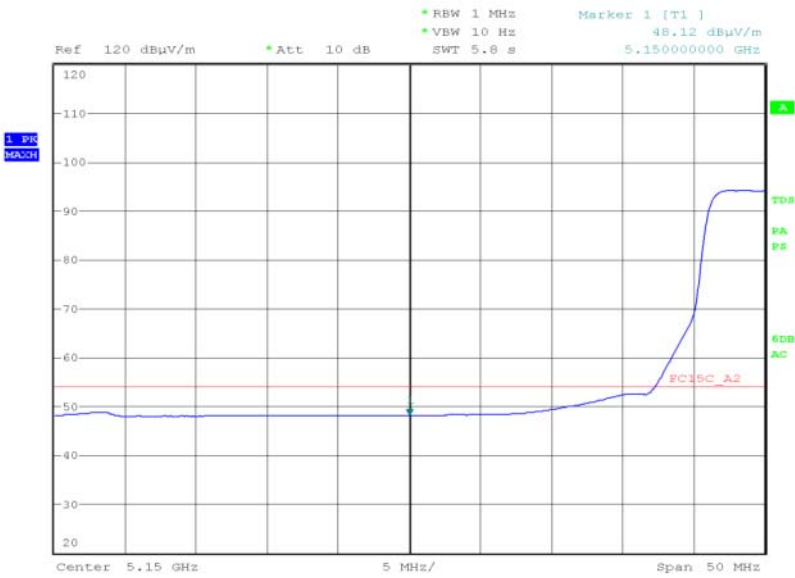
5150.00 MHzFinal Peak

Date: 10.DEC.2014 19:36:43



Product Service

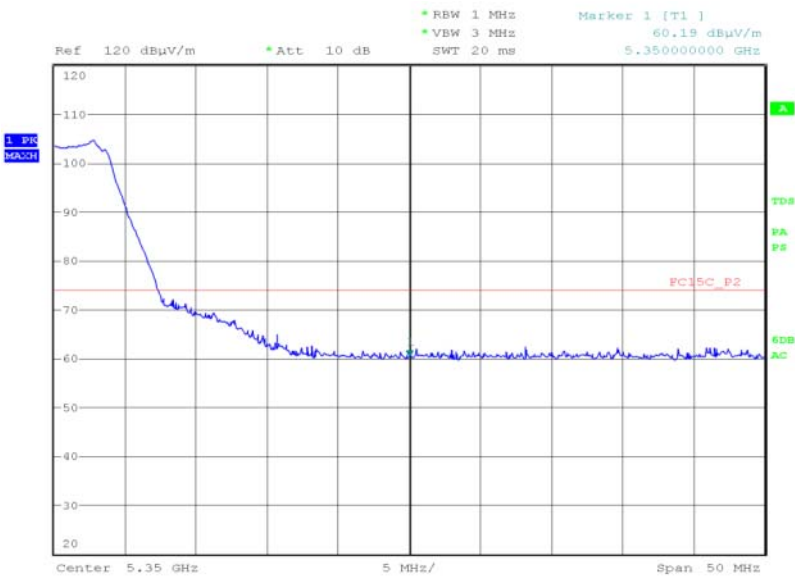
Final Average



Date: 10.DEC.2014 19:37:15

5350.00 MHz

Final Peak

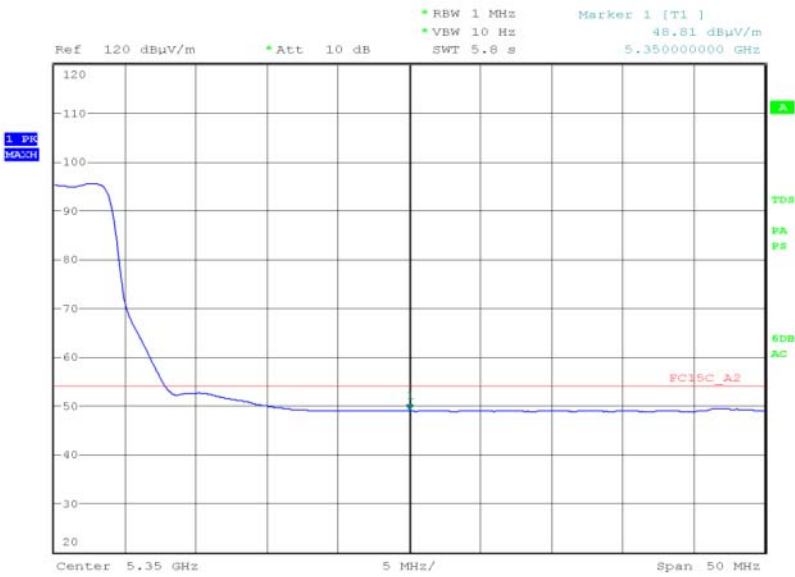


Date: 10.DEC.2014 19:44:03



Product Service

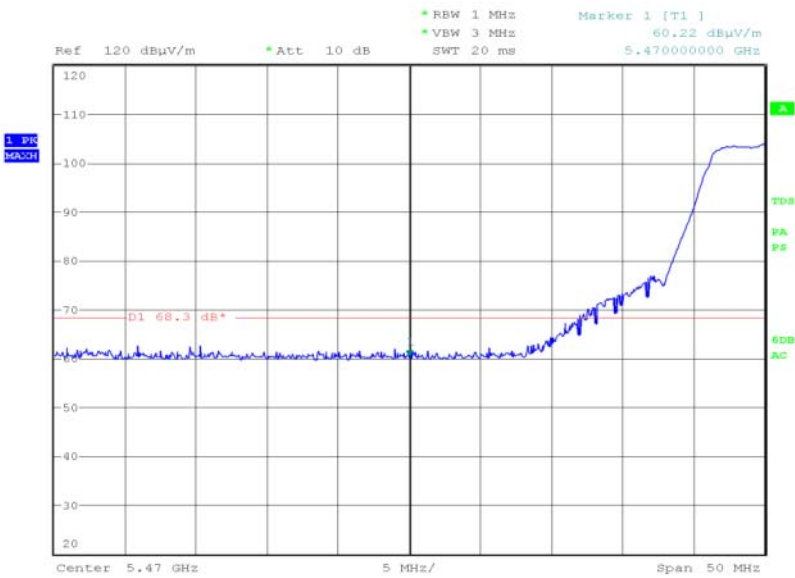
Final Average



Date: 10.DEC.2014 19:44:32

5460.00 MHz

Final Peak

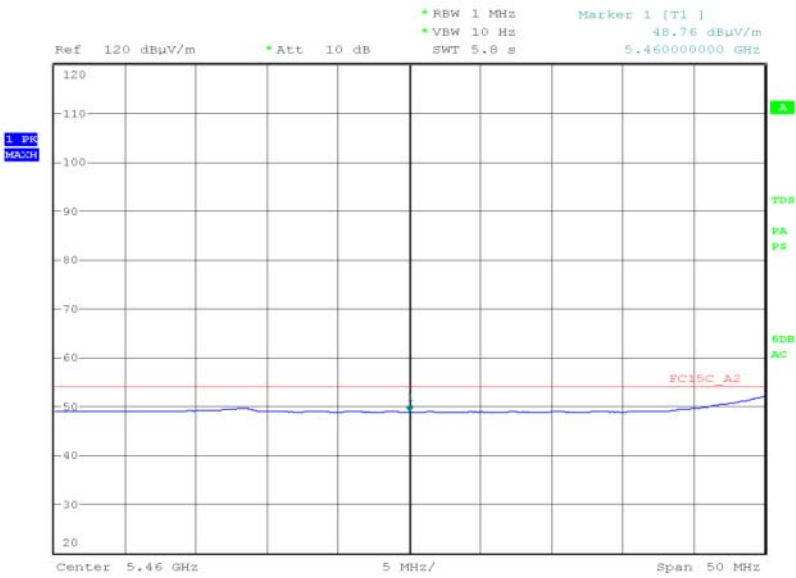


Date: 10.DEC.2014 19:51:43



Product Service

Final Average



Date: 10.DEC.2014 19:50:04

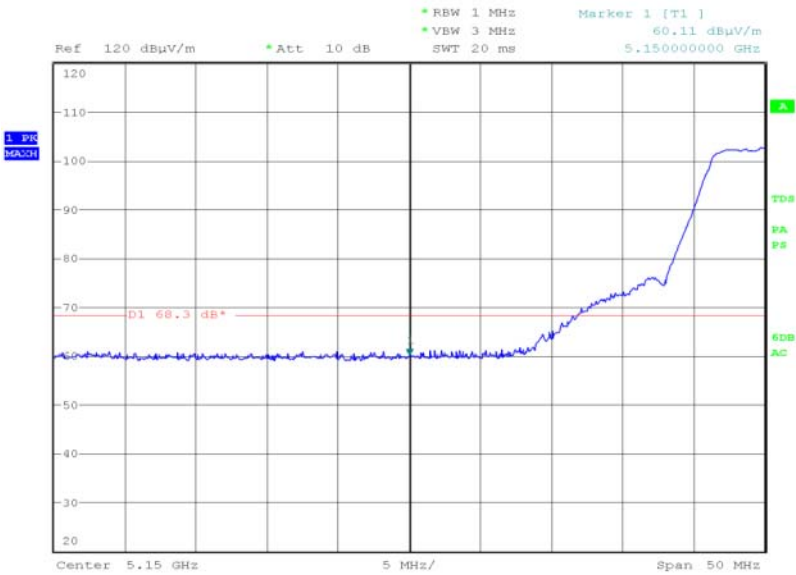


Product Service

Band Edge	
Frequency (MHz)	Final Peak (dBm)
5150.00	-35.09
5350.00	-34.76
5470.00	34.98
5725.00	-34.20

5150.00 MHz

Final Peak



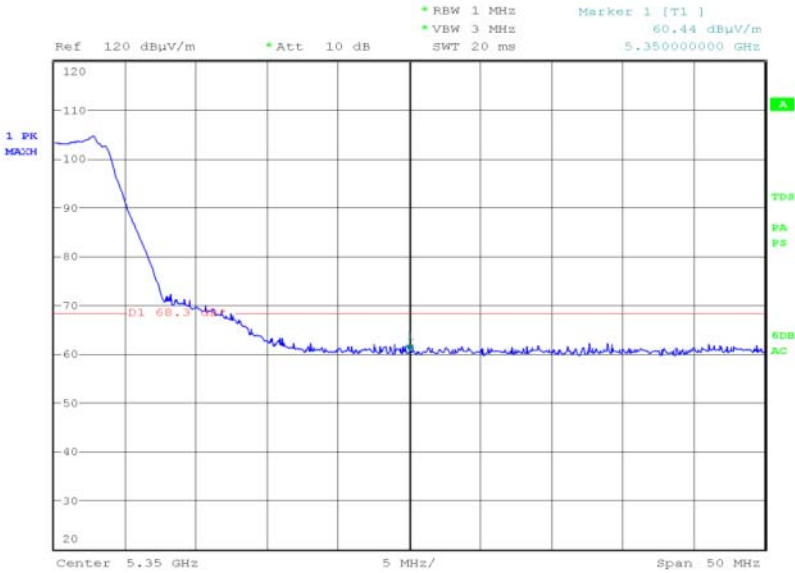
Date: 10.DEC.2014 19:38:21



Product Service

5350.00 MHz

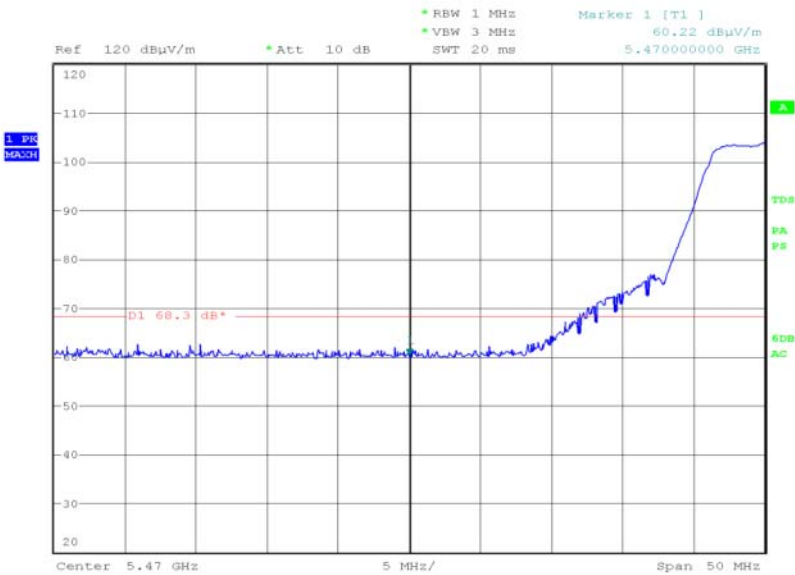
Final Peak



Date: 10.DEC.2014 19:42:42

5470.00 MHz

Final Peak



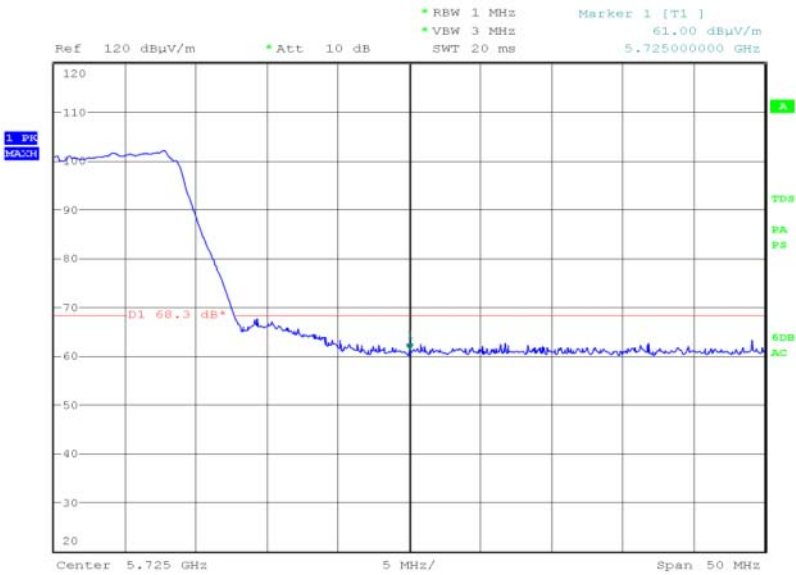
Date: 10.DEC.2014 19:51:43



Product Service

5725.00 MHz

Final Peak



Date: 10.DEC.2014 19:56:55

Remark

The test was performed on MCS0 because this was deemed the worst case data rate for 26 dB Bandwidth and Conducted Output Power.

Limit

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



Product Service

802.11(ac) - 5 GHz 40 MHz BW

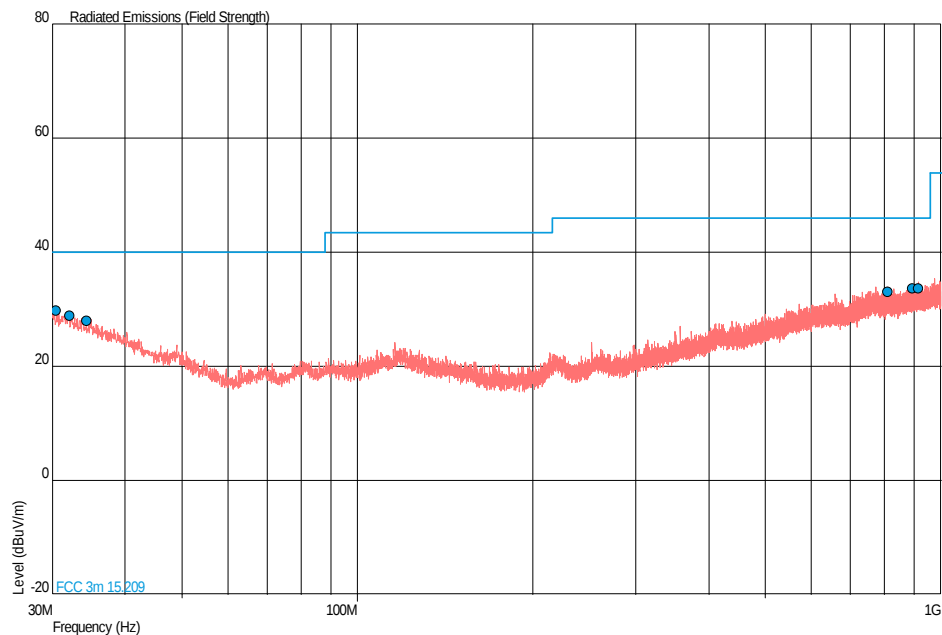
4.0 V DC Supply

Spurious Radiated Emissions

Frequency Band 1

5190 MHz

30 MHz to 1 GHz

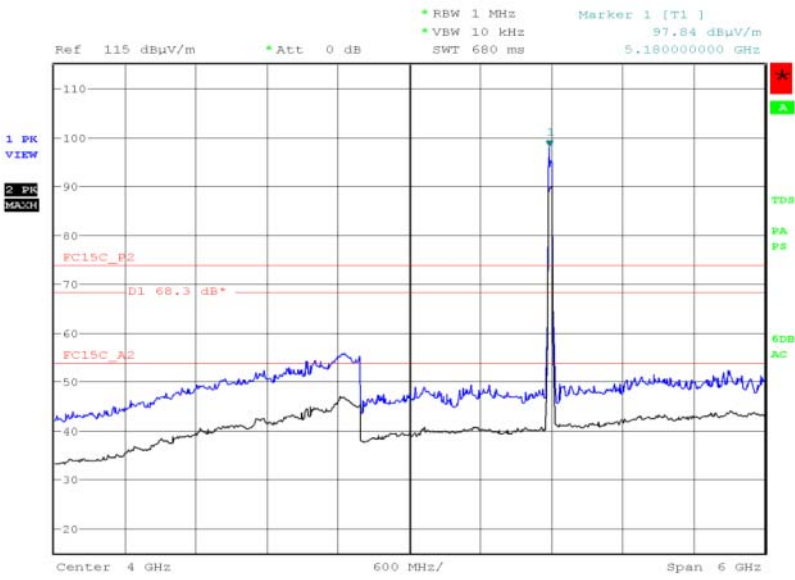


Frequency (MHz)	QP Level (dBμV/m)	QP Level (μV/m)	QP Limit (dBμV/m)	QP Limit (μV/m)	QP Margin (dBμV/m)	QP Margin (μV/m)	Angle (Deg)	Height (m)	Polarity
30.485	29.8	30.9	40.0	100	-10.2	-69.1	270	1.00	Vertical
32.183	28.9	27.9	40.0	100	-11.1	-72.1	270	1.00	Vertical
34.365	27.9	24.8	40.0	100	-12.1	-75.2	270	1.00	Vertical
810.365	33.0	44.7	46.0	200	-13.0	-155.3	90	1.00	Vertical
894.173	33.7	48.4	46.0	200	-12.3	-151.6	90	1.00	Vertical
914.689	33.7	48.4	46.0	200	-12.3	-151.6	90	1.00	Vertical



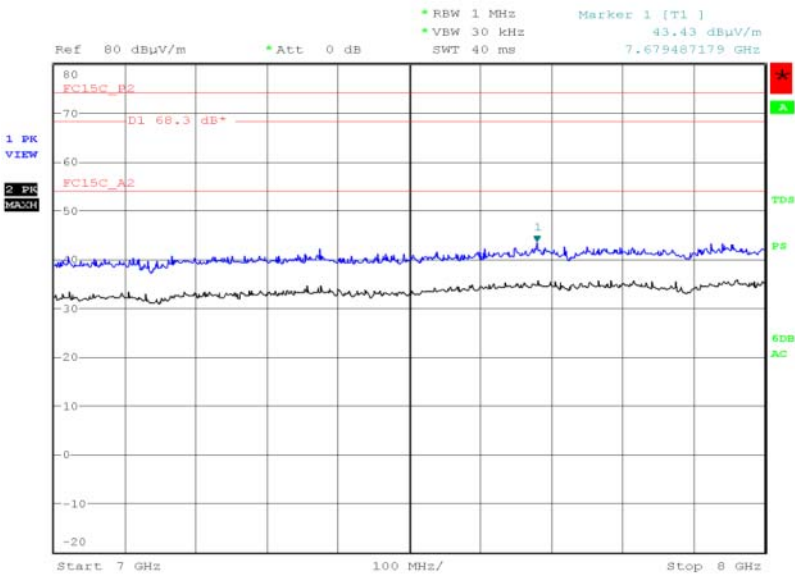
Product Service

1 GHz to 7 GHz



Date: 15.DEC.2014 20:42:53

7 GHz to 8 GHz

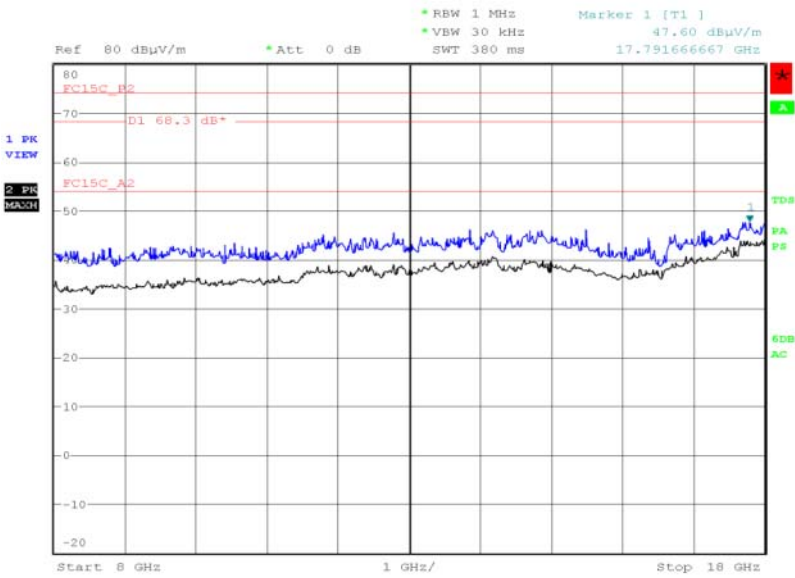


Date: 18.NOV.2014 23:31:27



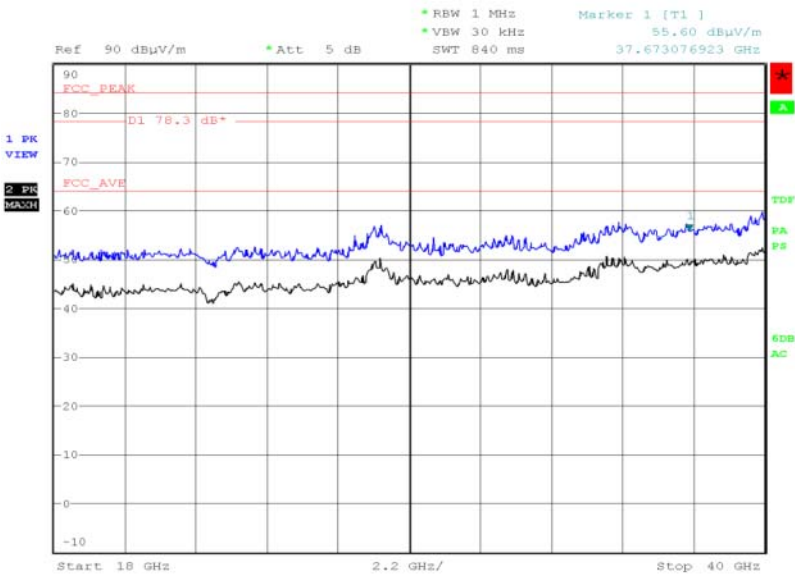
Product Service

8 GHz to 18 GHz



Date: 16.DEC.2014 22:31:48

18 GHz to 40 GHz



Date: 17.DEC.2014 23:14:58