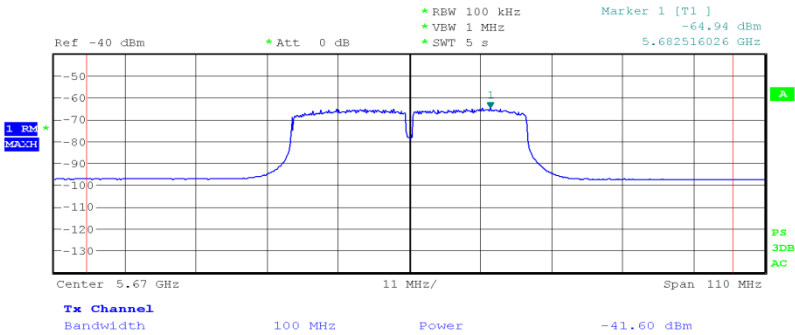




Product Service

5670 MHz

EIRP (dBm)	EIRP (mW)
7.91	6.18



Date: 1.DEC.2014 18:59:57

Limit for Radiated

Frequency Band (MHz)	FCC Limit
5150 to 5250	Lesser of 200 mW or 10 dBm + 10 log B
5250 to 5350	Lesser of 1 W or 17 dBm + 10 log B
5470 to 5725	Lesser of 1 W or 17 dBm + 10 log B
5725 to 5825	Lesser of 4 W or 23 dBm + 10 log B

Note: "B" = 26 dB Bandwidth.

It is acceptable to have an antenna with up to 6 dBi gain, without reducing the conducted output power.



Product Service

ConductedFrequency Band 15190 MHz

EIRP (dBm)	EIRP (mW)
11.04	12.71

5230 MHz

EIRP (dBm)	EIRP (mW)
10.56	11.38

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.

ConductedFrequency Band 25270 MHz

EIRP (dBm)	EIRP (mW)
11.29	13.46

5310 MHz

EIRP (dBm)	EIRP (mW)
10.85	12.16

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

ConductedFrequency Band 35510 MHz

EIRP (dBm)	EIRP (mW)
11.06	12.76

5590 MHz

EIRP (dBm)	EIRP (mW)
11.21	13.21

5670 MHz

EIRP (dBm)	EIRP (mW)
11.37	13.71

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 for Conducted

Frequency Band (MHz)	FCC Limit
5150 to 5250	Lesser of 50 mW or 4 dBm + 10 log B
5250 to 5350	Lesser of 250 mW or 11 dBm + 10 log B
5470 to 5725	Lesser of 250 mW or 11 dBm + 10 log B
5725 to 5825	Lesser of 1 W or 17 dBm + 10 log B

Note: "B" = 26 dB Bandwidth.



Product Service

2.4 PEAK POWER SPECTRAL DENSITY

2.4.1 Specification Reference

FCC CFR 47 Part 15E, Clause 15.407 (a)(5)

2.4.2 Equipment Under Test and Modification State

S/N: IMEI 004401115303360 - Modification State 0

2.4.3 Date of Test

27 November 2014

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 test was applied in accordance with the test method requirements of FCC CFR 47 Part 15.407 (a) and KDB 789033 D02 v01 Method SA-1 Alternative.

The EUT was transmitted at maximum power for bottom, middle and top channels on the data rate pre-determined to give the highest level of average output power. The EUT was connected to the Spectrum Analyser via attenuators and cables. The analyser settings were configured with an RBW of 1 MHz and VBW of 3MHz. The trace was set to a 10 second sweep time using an RMS detector. The maximum value was recorded for Power Spectral Density.

2.4.6 Environmental Conditions

Ambient Temperature	21.0°C
Relative Humidity	41.9%



Product Service

2.4.7 Test Results

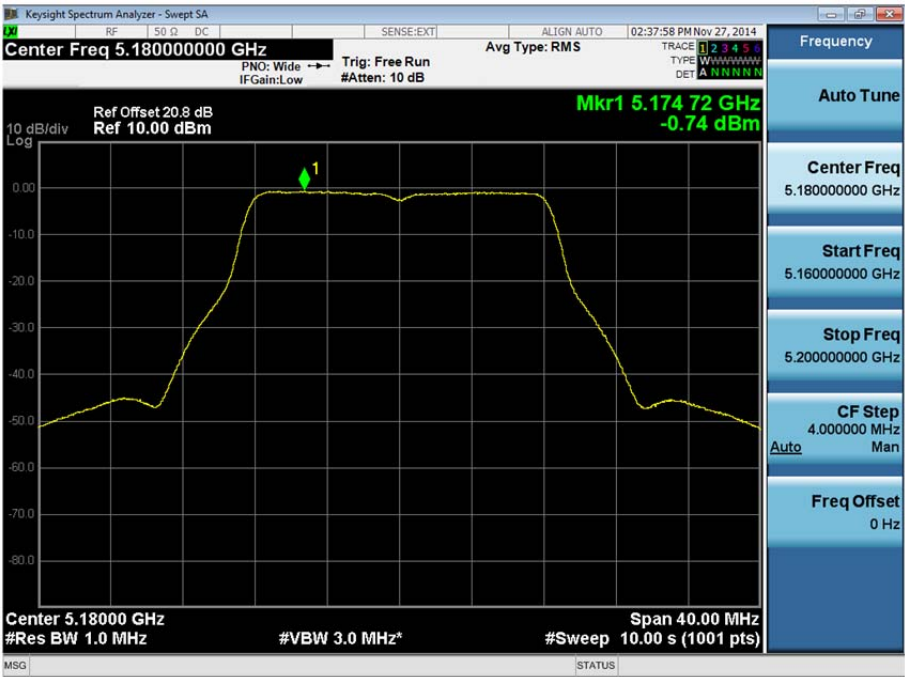
802.11(a)

Frequency Band 1

5180 MHz

Modulation: BPSK

Peak Power Spectral Density (dBm)	-0.74
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Product Service

5200 MHz

Modulation: BPSK

Peak Power Spectral Density (dBm)	-0.80
-----------------------------------	-------



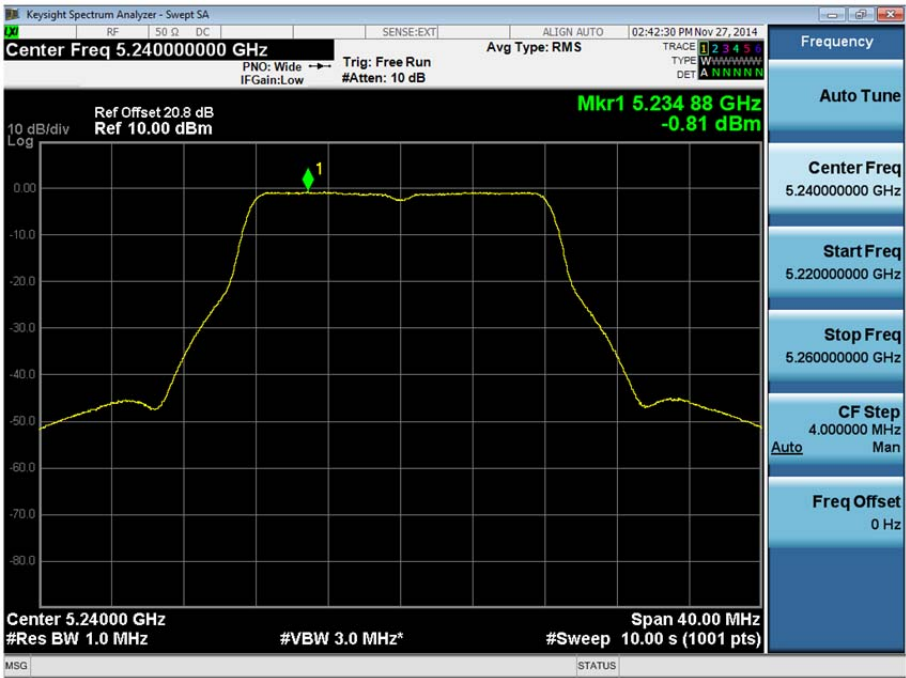


Product Service

5240 MHz

Modulation: BPSK

Peak Power Spectral Density (dBm)	-0.81
-----------------------------------	-------



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.



Product Service

Frequency Band 2

5260 MHz

Modulation: BPSK

Peak Power Spectral Density (dBm)	-0.96
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Product Service

5300 MHz

Modulation: BPSK

Peak Power Spectral Density (dBm)	-0.64
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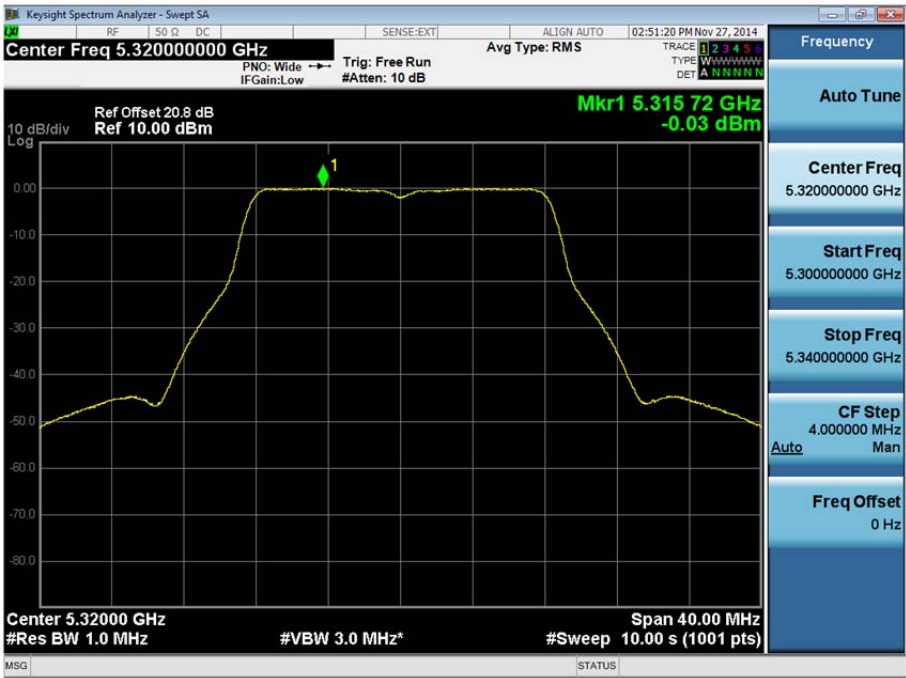


Product Service

5320 MHz

Modulation: BPSK

Peak Power Spectral Density (dBm)	-0.03
-----------------------------------	-------



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.



Product Service

Frequency Band 3

5500 MHz

Modulation: BPSK

Peak Power Spectral Density (dBm)	-1.12
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Product Service

5600 MHz

Modulation: BPSK

Peak Power Spectral Density (dBm)	-0.51
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Product Service

5700 MHz

Modulation: BPSK

Peak Power Spectral Density (dBm)	-1.70
-----------------------------------	-------



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)	-0.62
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Product Service

5200 MHz

Modulation: QPSK

Peak Power Spectral Density (dBm)	-1.22
-----------------------------------	-------





Product Service

5240 MHz

Modulation: QPSK

Peak Power Spectral Density (dBm)	-1.29
-----------------------------------	-------



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 MCS1.



Product Service

Frequency Band 2

5260 MHz

Modulation: QPSK

Peak Power Spectral Density (dBm)	-0.77
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Product Service

5300 MHz

Modulation: QPSK

Peak Power Spectral Density (dBm)	-0.72
-----------------------------------	-------





Product Service

5320 MHz

Modulation: QPSK

Peak Power Spectral Density (dBm)	-0.45
-----------------------------------	-------



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 MCS1.



Product Service

Frequency Band 3

5500 MHz

Modulation: QPSK

Peak Power Spectral Density (dBm)	-1.14
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Product Service

5600 MHz

Modulation: QPSK

Peak Power Spectral Density (dBm)	-0.70
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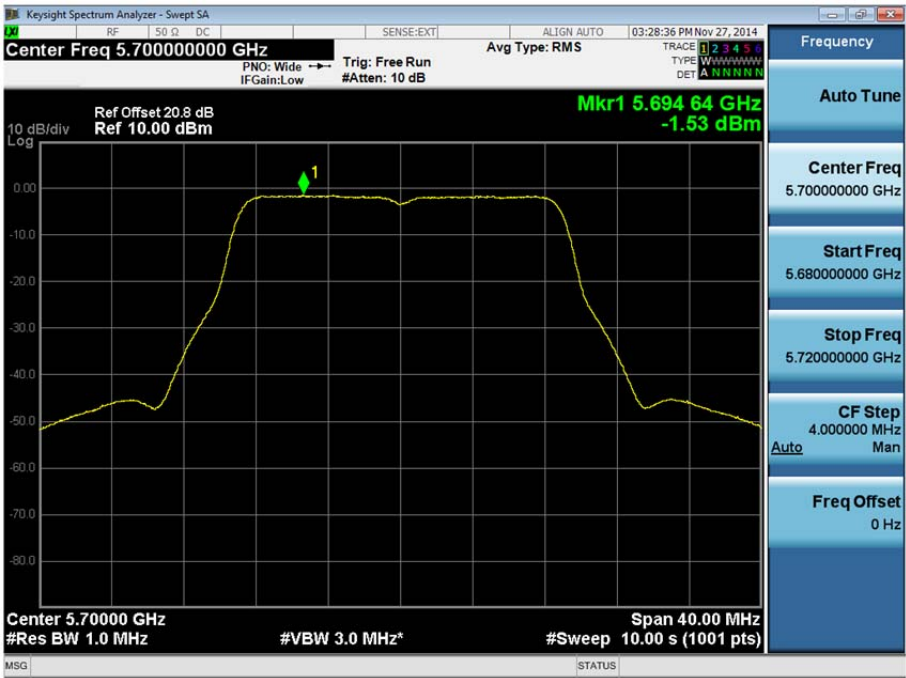


Product Service

5700 MHz

Modulation: QPSK

Peak Power Spectral Density (dBm)	-1.53
-----------------------------------	-------



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 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

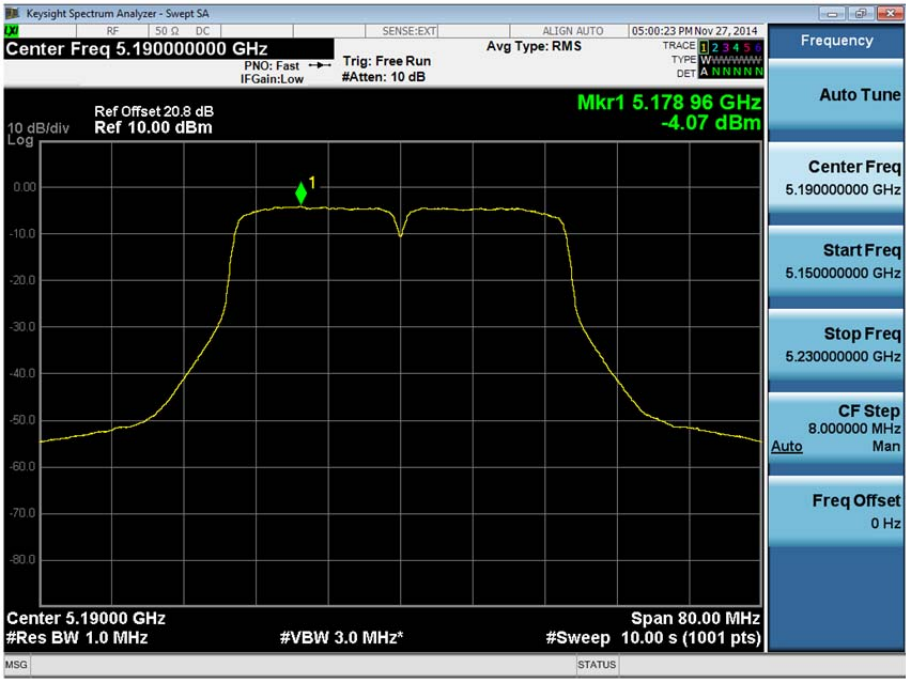
802.11(ac) - 5 GHz 40 MHz BW

Frequency Band 1

5190 MHz

Modulation: QPSK

Peak Power Spectral Density (dBm)	-4.07
-----------------------------------	-------



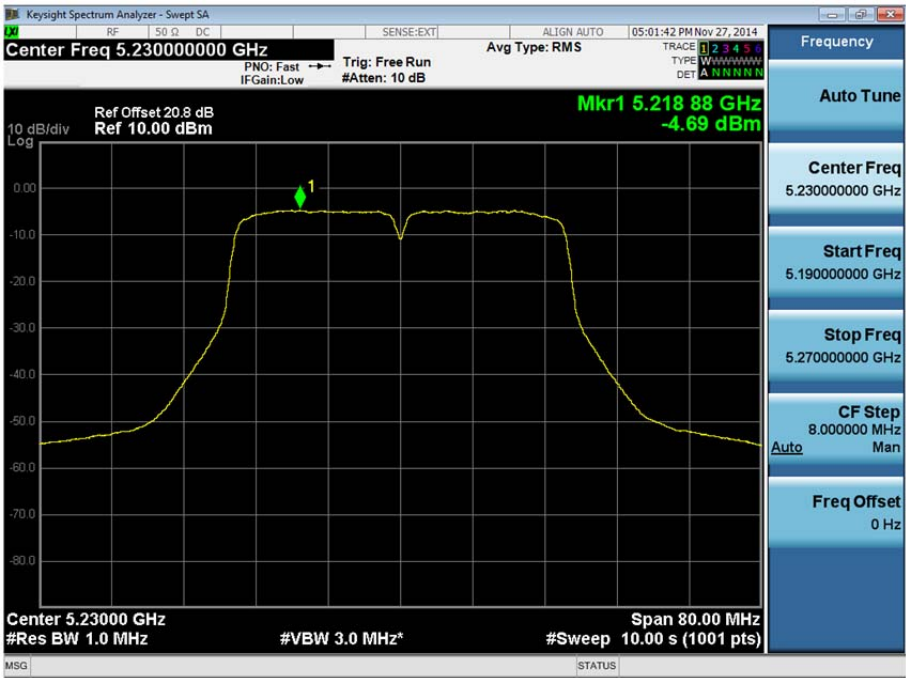


Product Service

5230 MHz

Modulation: QPSK

Peak Power Spectral Density (dBm)	-4.69
-----------------------------------	-------



The test was performed on the worst case data rate for 802.11(ac) - 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.



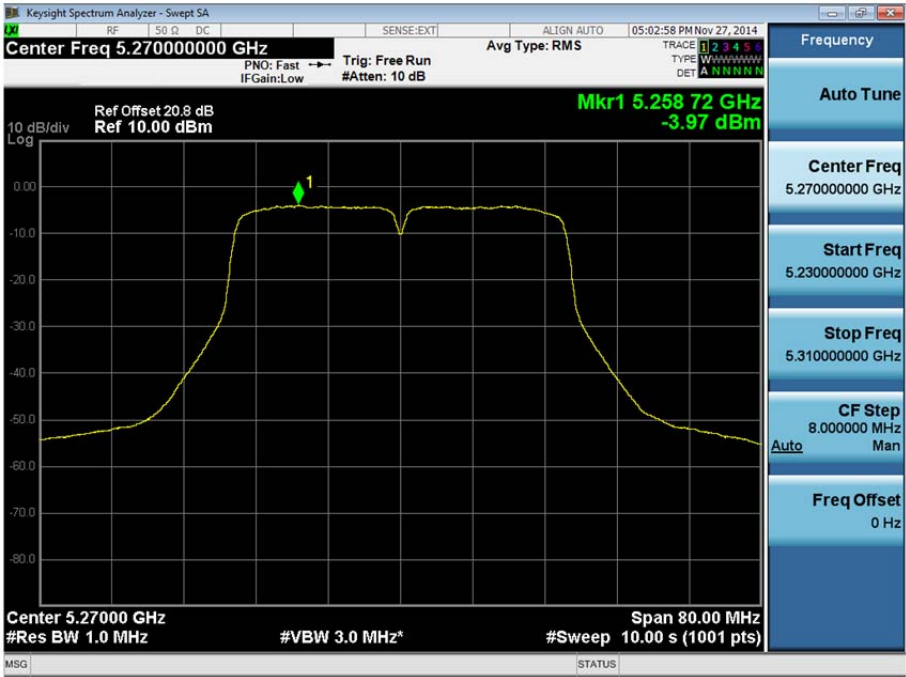
Product Service

Frequency Band 2

5270 MHz

Modulation: QPSK

Peak Power Spectral Density (dBm)	-3.97
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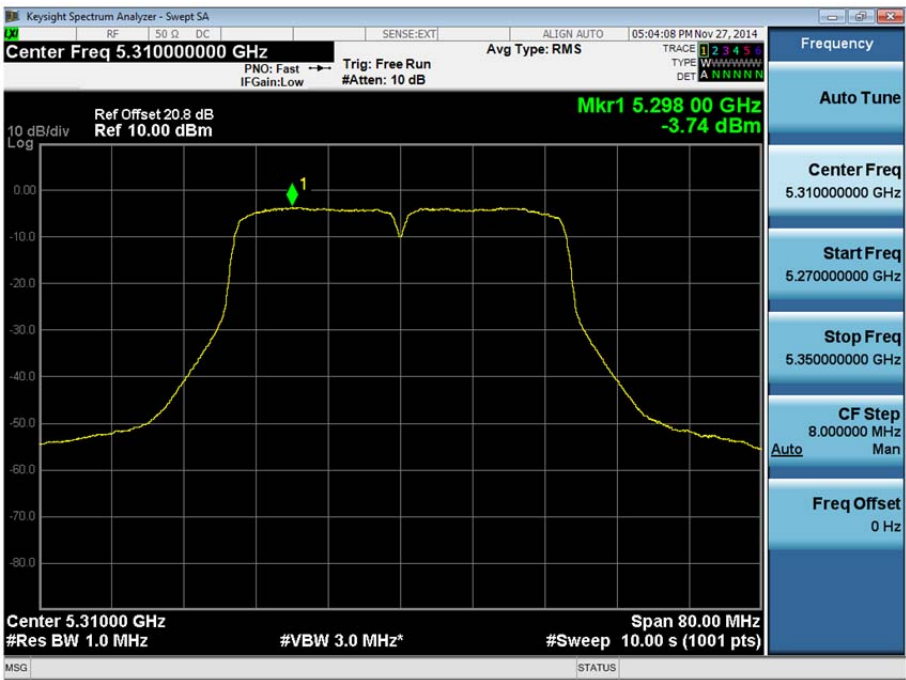


Product Service

5310 MHz

Modulation: QPSK

Peak Power Spectral Density (dBm)	-3.74
-----------------------------------	-------



The test was performed on the worst case data rate for 802.11(ac) - 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.



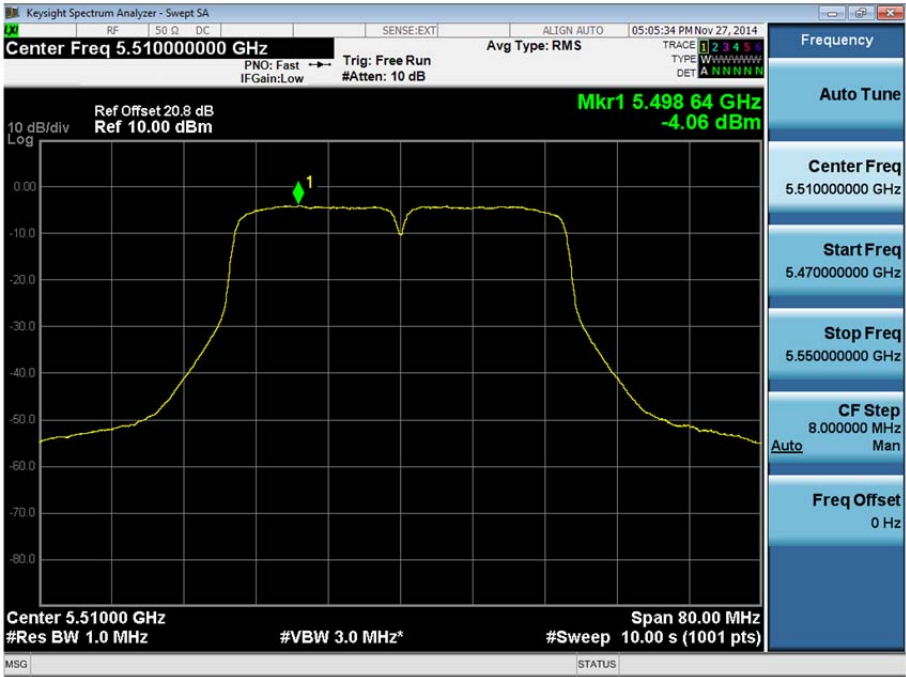
Product Service

Frequency Band 3

5510 MHz

Modulation: QPSK

Peak Power Spectral Density (dBm)	-4.06
-----------------------------------	-------



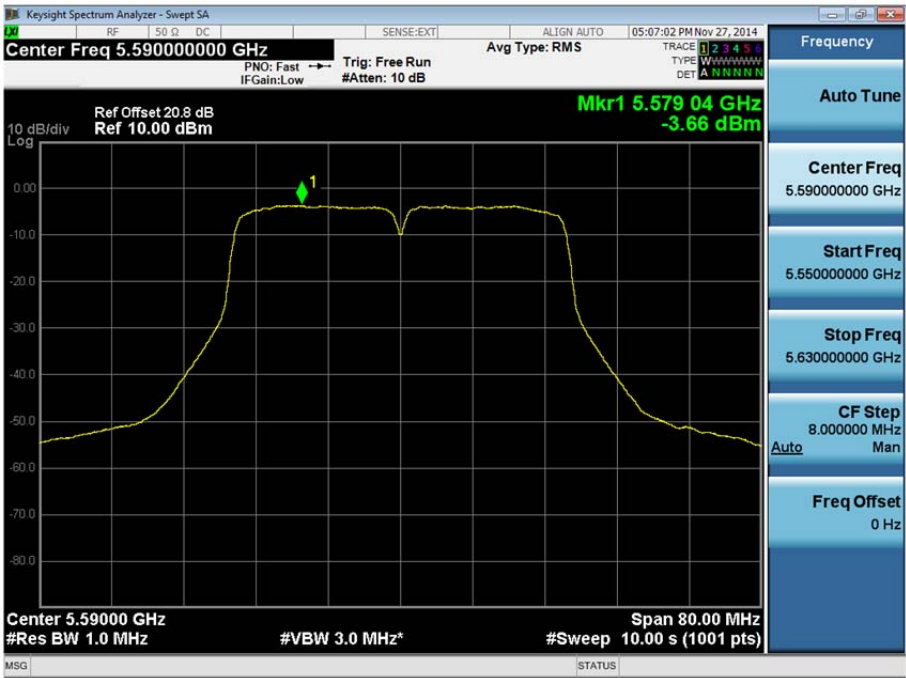


Product Service

5590 MHz

Modulation: QPSK

Peak Power Spectral Density (dBm)	-3.66
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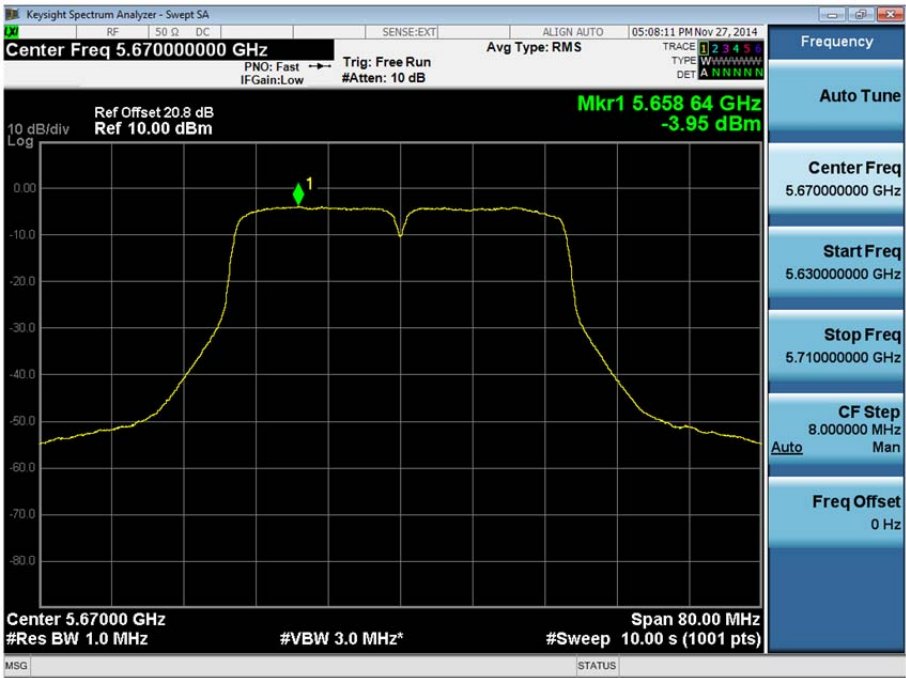


Product Service

5670 MHz

Modulation: QPSK

Peak Power Spectral Density (dBm)	-3.95
-----------------------------------	-------



The test was performed on the worst case data rate for 802.11(ac) - 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

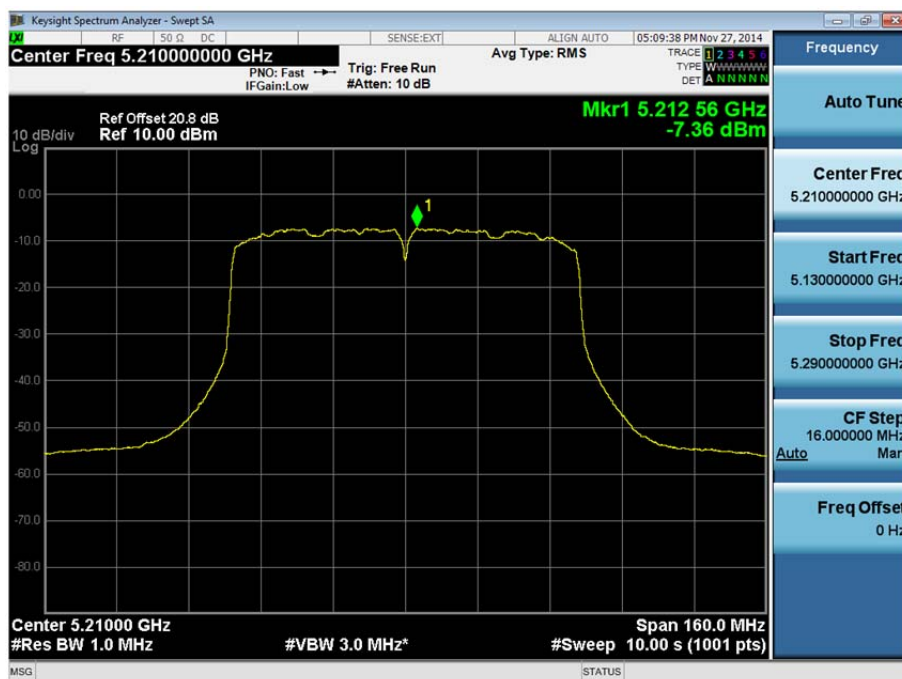
802.11(ac) - 5 GHz 80 MHz BW

Frequency Band 1

5210 MHz

Modulation: QPSK

Peak Power Spectral Density (dBm)	-7.36
-----------------------------------	-------



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 MCS1.



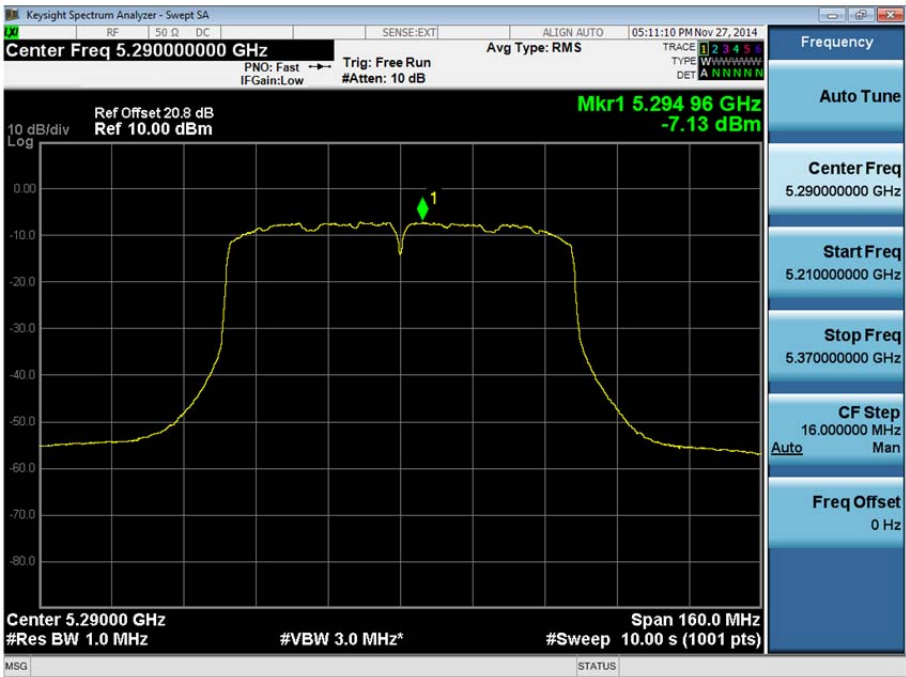
Product Service

Frequency Band 2

5290 MHz

Modulation: QPSK

Peak Power Spectral Density (dBm)	-7.13
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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 MCS1.



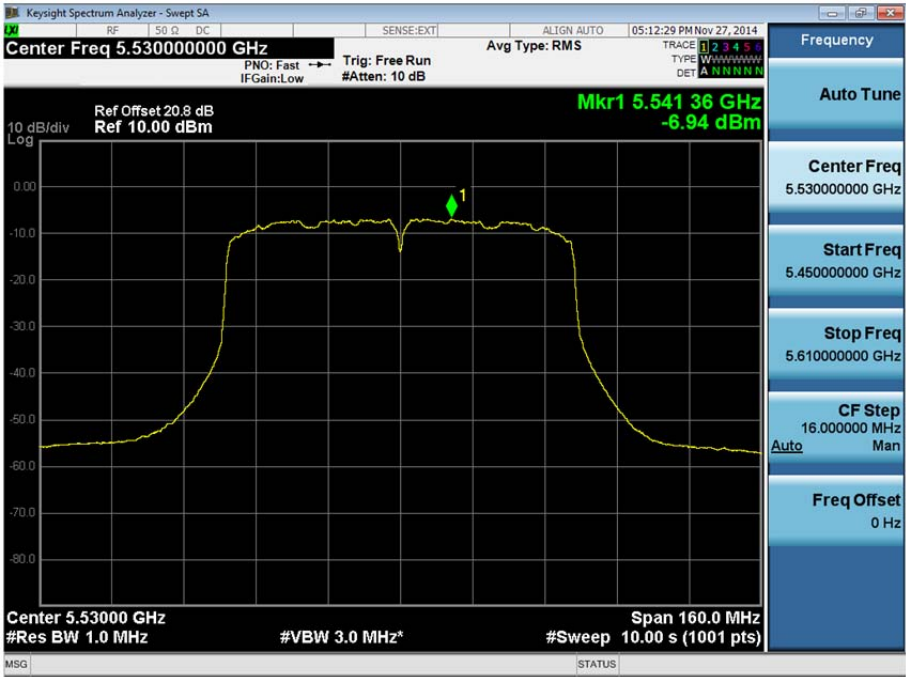
Product Service

Frequency Band 3

5530 MHz

Modulation: QPSK

Peak Power Spectral Density (dBm)	-6.94
-----------------------------------	-------



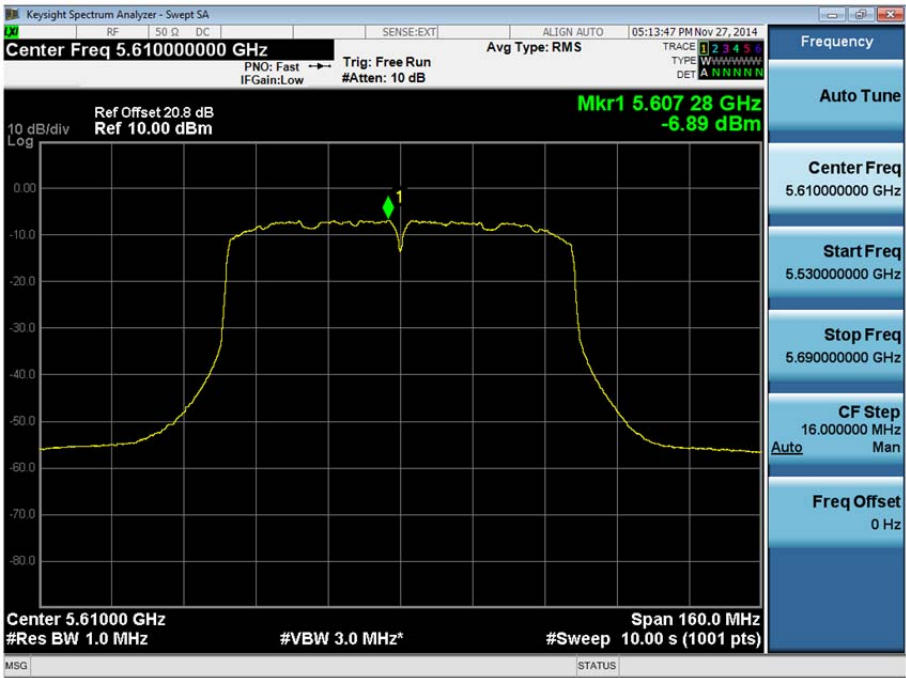


Product Service

5610 MHz

Modulation: QPSK

Peak Power Spectral Density (dBm)	-6.89
-----------------------------------	-------



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 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(n) - 5 GHz 20 MHz BW

Frequency Band 1

5180 MHz

Modulation: BPSK

Peak Power Spectral Density (dBm)	-0.90
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Product Service

5200 MHz

Modulation: BPSK

Peak Power Spectral Density (dBm)	-1.16
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Product Service

5240 MHz

Modulation: BPSK

Peak Power Spectral Density (dBm)	-0.90
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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: BPSK

Peak Power Spectral Density (dBm)	-0.86
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Product Service

5300 MHz

Modulation: BPSK

Peak Power Spectral Density (dBm)	-1.14
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Product Service

5320 MHz

Modulation: BPSK

Peak Power Spectral Density (dBm)	-0.53
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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: BPSK

Peak Power Spectral Density (dBm)	-1.10
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Product Service

5600 MHz

Modulation: BPSK

Peak Power Spectral Density (dBm)	-0.77
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Product Service

5700 MHz

Modulation: BPSK

Peak Power Spectral Density (dBm)	-1.51
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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

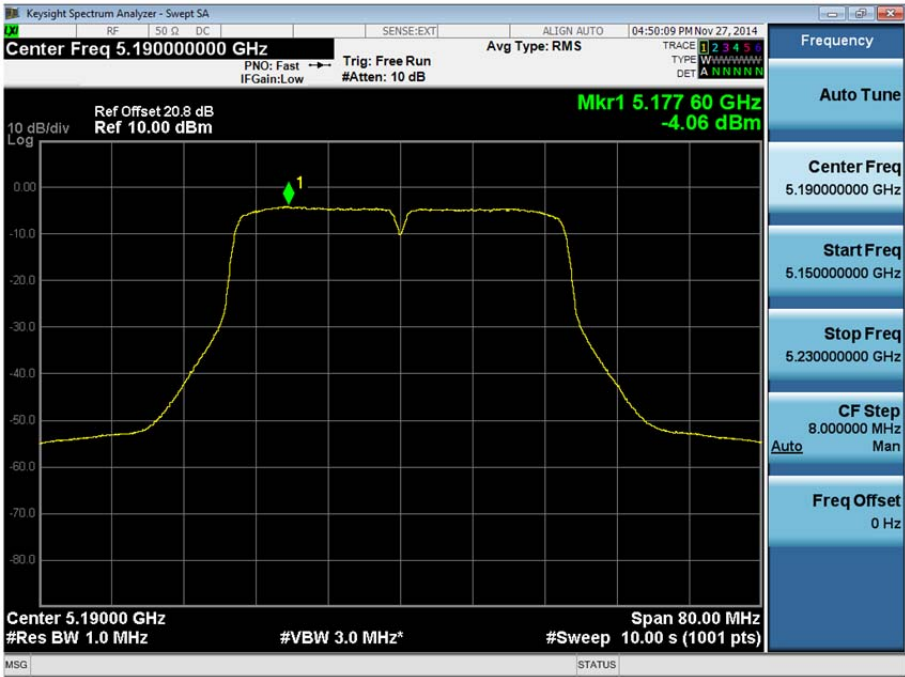
802.11(n) - 5 GHz 40 MHz BW

Frequency Band 1

5190 MHz

Modulation: BPSK

Peak Power Spectral Density (dBm)	-4.06
-----------------------------------	-------



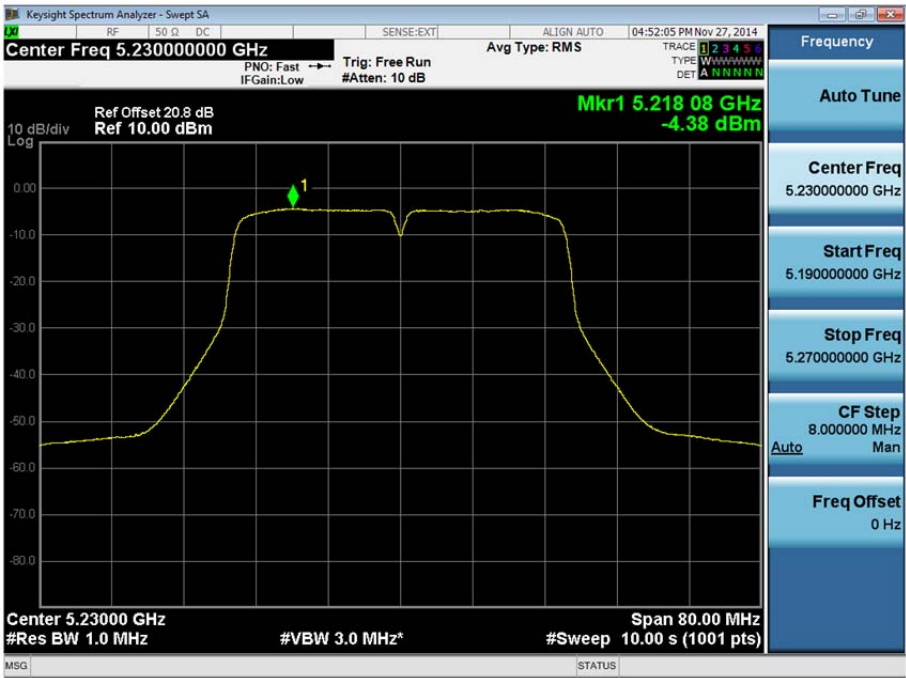


Product Service

5230 MHz

Modulation: BPSK

Peak Power Spectral Density (dBm)	-4.38
-----------------------------------	-------



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.



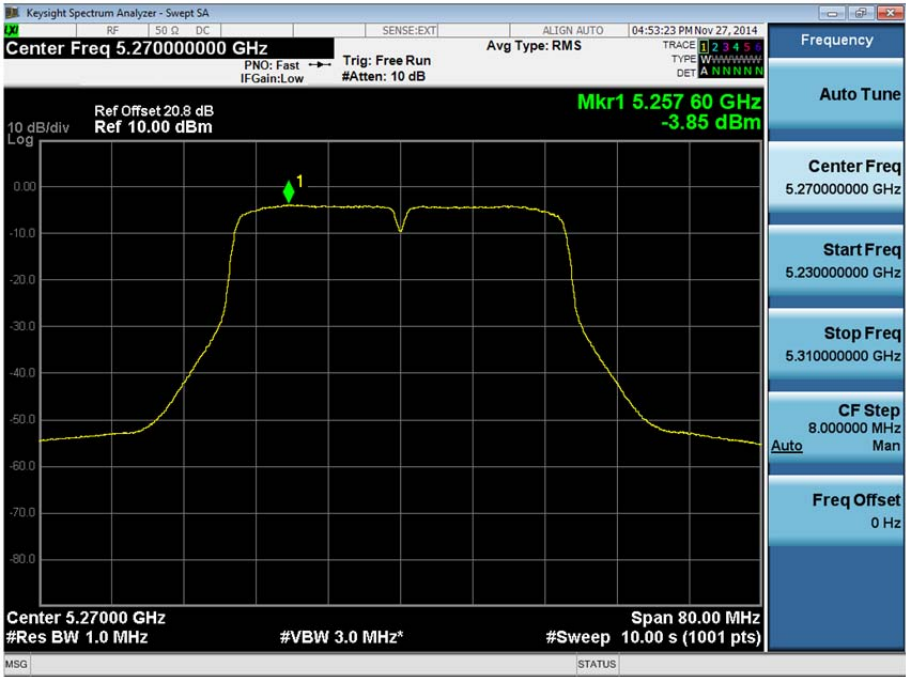
Product Service

Frequency Band 2

5270 MHz

Modulation: BPSK

Peak Power Spectral Density (dBm)	-3.85
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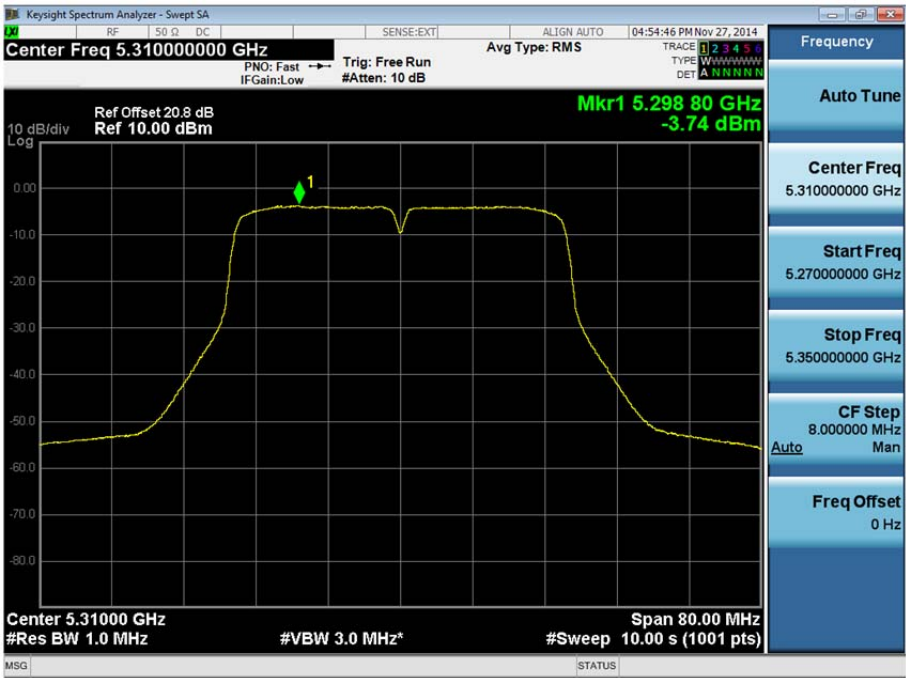


Product Service

5310 MHz

Modulation: BPSK

Peak Power Spectral Density (dBm)	-3.74
-----------------------------------	-------



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.

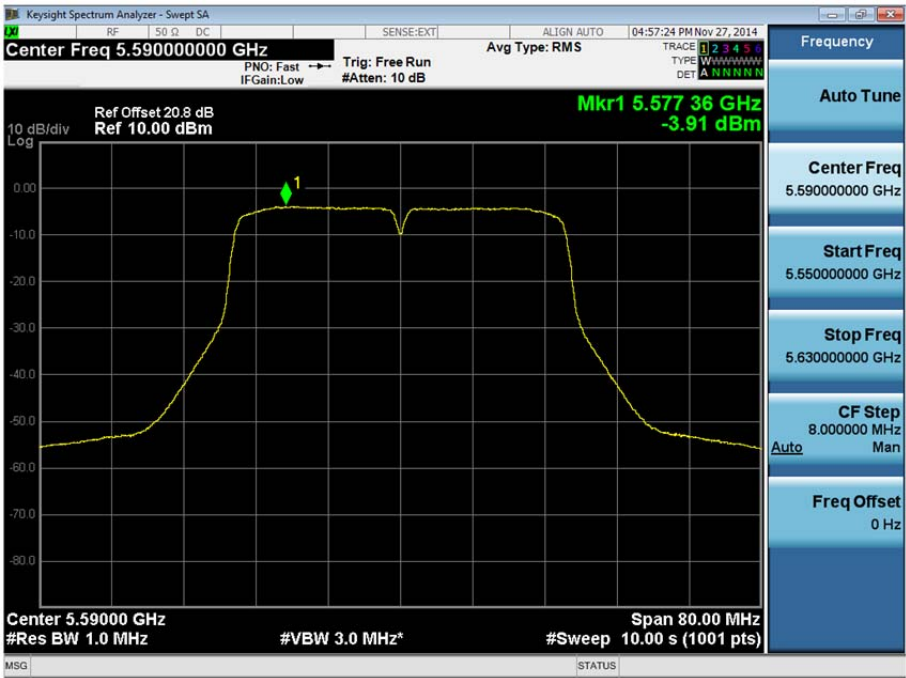


Product Service

5590 MHz

Modulation: BPSK

Peak Power Spectral Density (dBm)	-3.91
-----------------------------------	-------

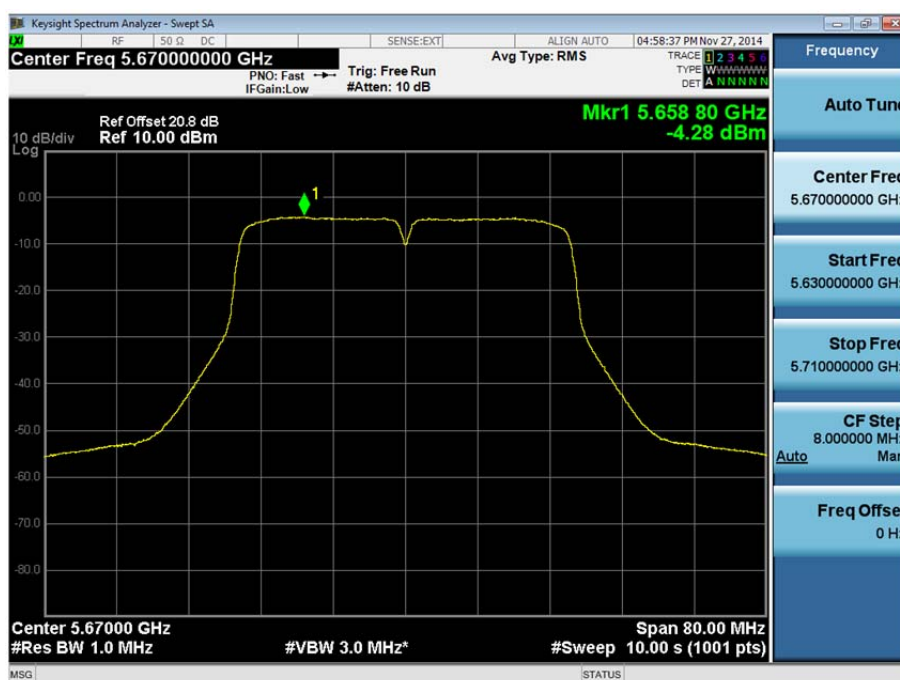




5670 MHz

Modulation: BPSK

Peak Power Spectral Density (dBm)	-4.28
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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

S/N: IMEI 004401115303394 - Modification State 0 and 1

2.5.3 Date of Test

23 November 2014, 24 November 2014, 25 November 2014, 26 November 2014, 30 November 2014, 1 December 2014, 2 December 2014, 3 December 2014, 11 December 2014, 12 December 2014 & 13 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 FCC KDB 789033 D02 v01.

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	19.1 - 22.2°C
Relative Humidity	32.0 - 44.0%



Product Service

2.5.7 Test Results

802.11(a)

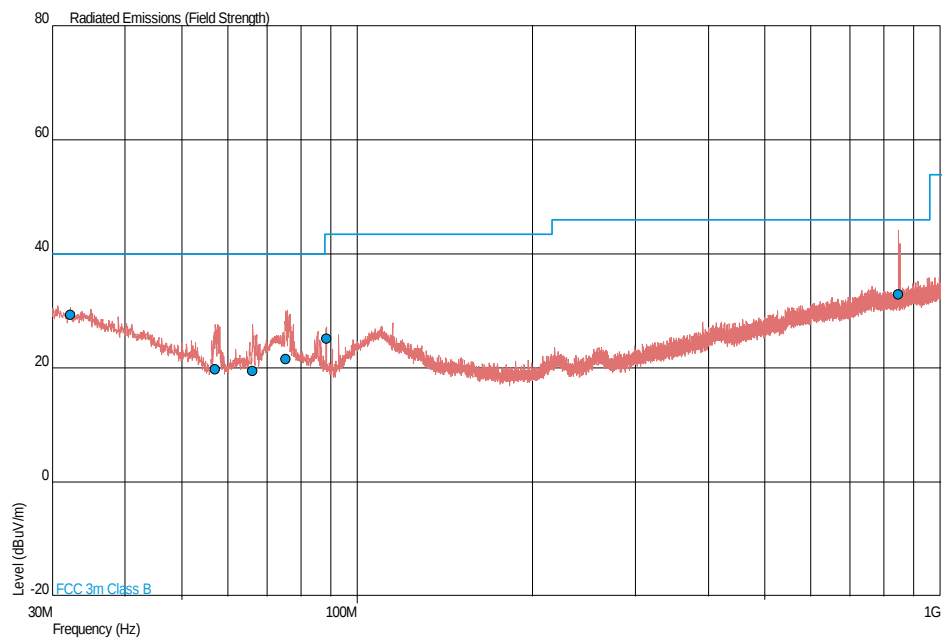
4.0 V DC Supply

Spurious Radiated Emissions

Frequency Band 1

5180 MHz

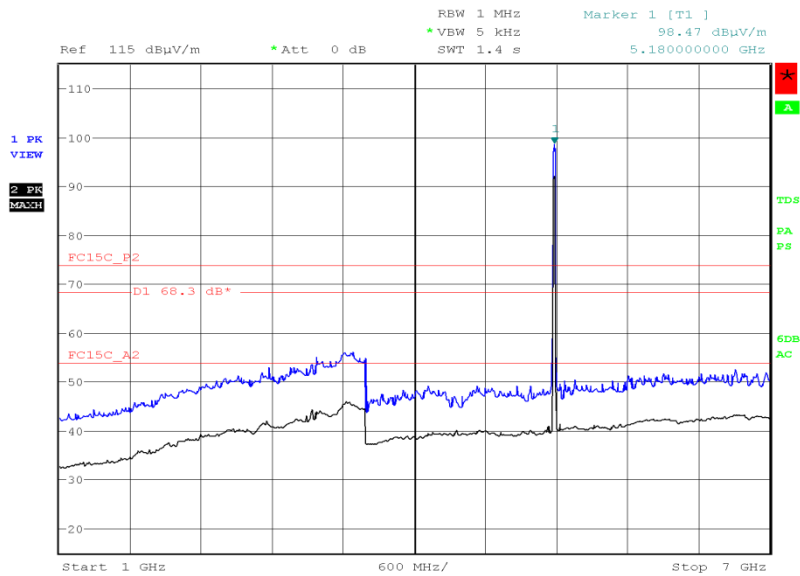
30 MHz to 1 GHz



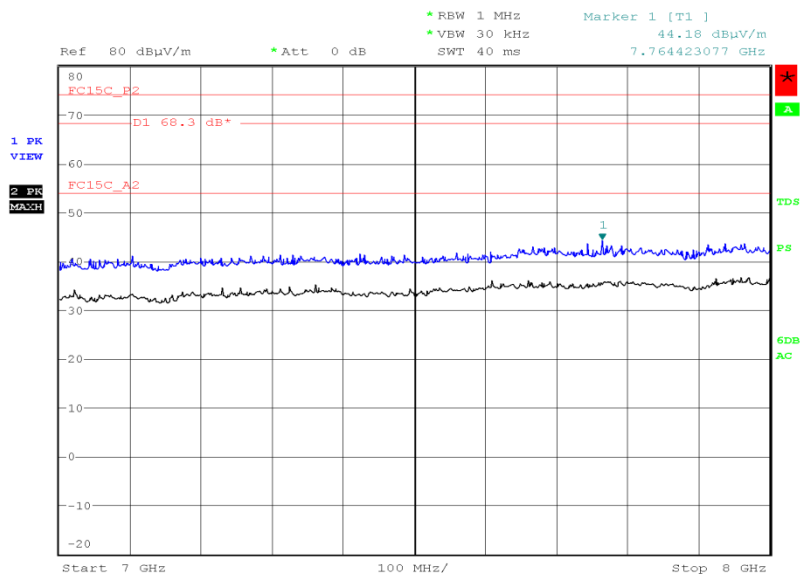
Frequency (MHz)	QP Level (dBμV/m)	QP Level (μV/m)	QP Limit (dBμV/m)	QP Limit (μV/m)	QP Margin (dBμV/m)	QP Margin (μV/m)	Angle (Deg)	Height (m)	Polarity
32.232	29.3	29.2	40.0	100	-10.7	-70.8	98	1.00	Vertical
57.066	19.8	9.8	40.0	100	-20.2	-90.2	258	1.00	Vertical
66.272	19.5	9.4	40.0	100	-20.5	-90.6	8	1.00	Vertical
75.433	21.5	11.9	40.0	100	-18.5	-88.1	186	1.25	Vertical
88.495	25.2	18.2	43.5	150	-18.3	-131.8	352	1.00	Vertical
847.565	33.0	44.7	46.0	200	-13.0	-155.3	159	4.00	Vertical



Product Service

1 GHz to 7 GHz

Date: 23.NOV.2014 12:40:19

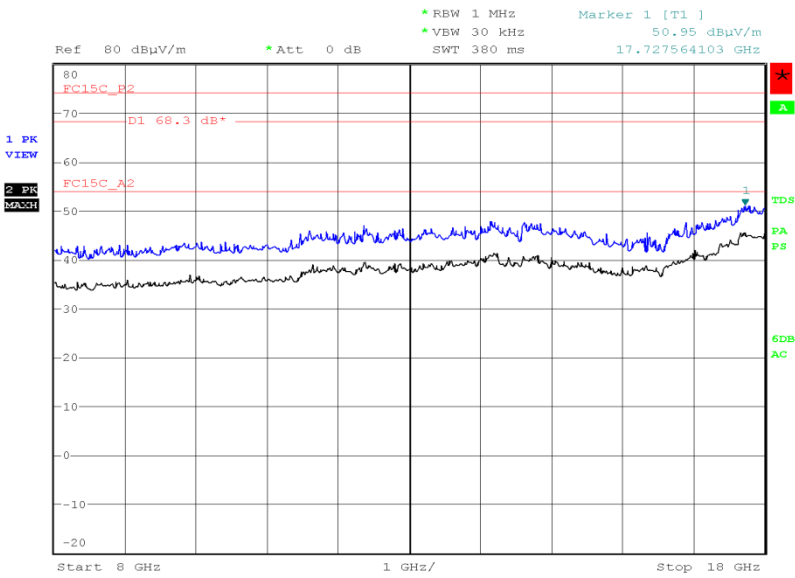
7 GHz to 8 GHz

Date: 26.NOV.2014 17:04:30



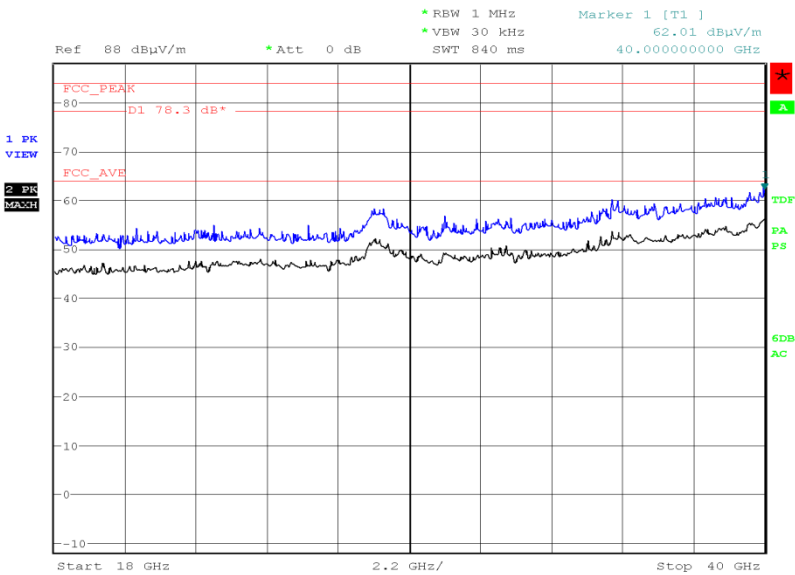
Product Service

8 GHz to 18 GHz



Date: 2.DEC.2014 22:59:47

18 GHz to 40 GHz



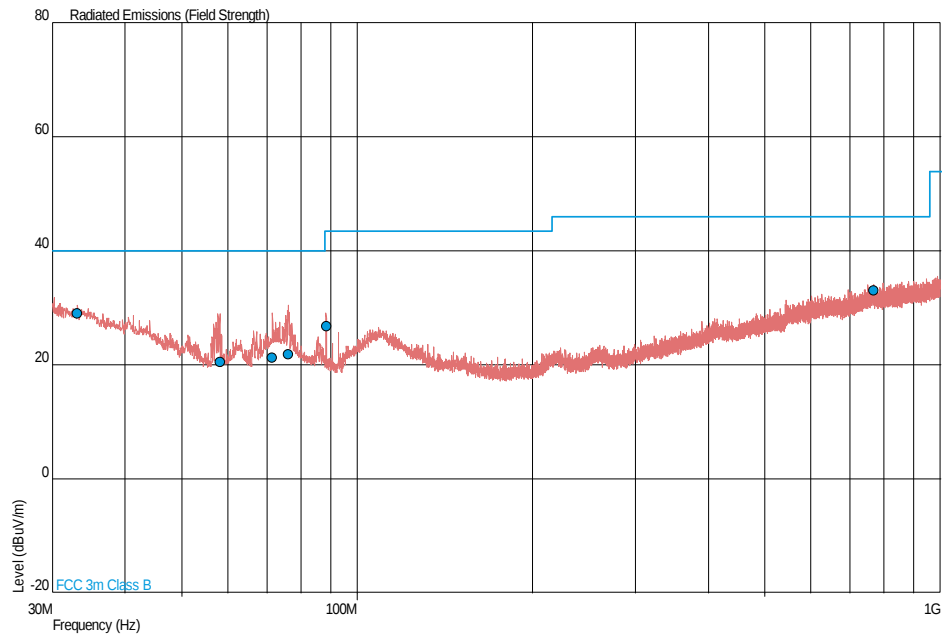
Date: 25.NOV.2014 17:59:13



Product Service

5200 MHz

30 MHz to 1 GHz

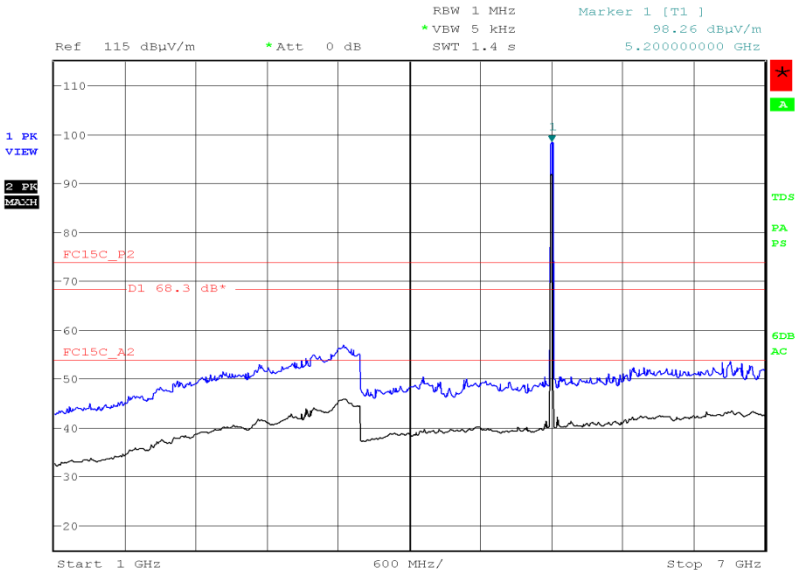


Frequency (MHz)	QP Level (dBµV/m)	QP Level (µV/m)	QP Limit (dBµV/m)	QP Limit (µV/m)	QP Margin (dBµV/m)	QP Margin (µV/m)	Angle (Deg)	Height (m)	Polarity
33.149	29.1	28.5	40.0	100	-10.9	-71.5	203	1.00	Vertical
58.179	20.6	10.7	40.0	100	-19.4	-89.3	2	1.00	Vertical
71.470	21.3	11.6	40.0	100	-18.7	-88.4	143	1.00	Vertical
76.194	21.8	12.3	40.0	100	-18.2	-87.7	212	1.02	Vertical
88.494	26.8	21.9	43.5	150	-16.7	-128.1	48	1.02	Vertical
769.275	33.0	44.7	46.0	200	-13.0	-155.3	53	1.00	Vertical



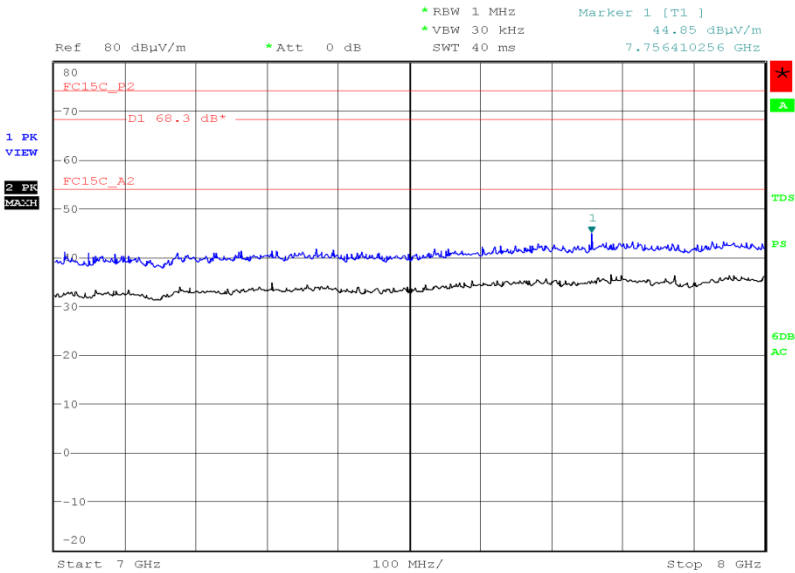
Product Service

1 GHz to 7 GHz



Date: 23.NOV.2014 13:07:44

7 GHz to 8 GHz

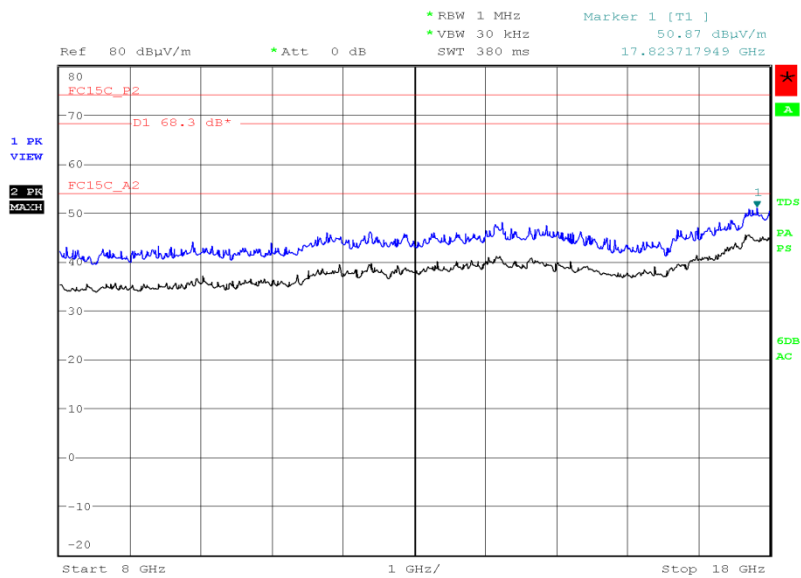


Date: 26.NOV.2014 17:08:24



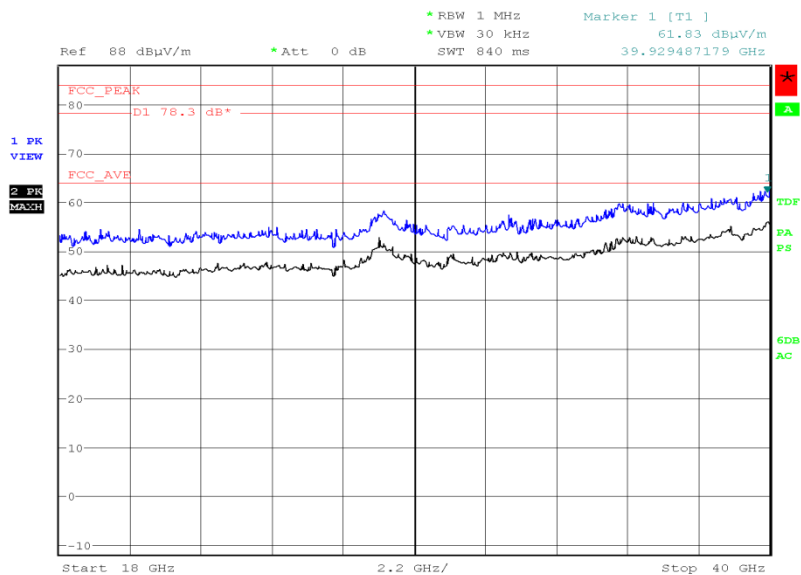
Product Service

8 GHz to 18 GHz



Date: 2.DEC.2014 23:10:42

18 GHz to 40 GHz

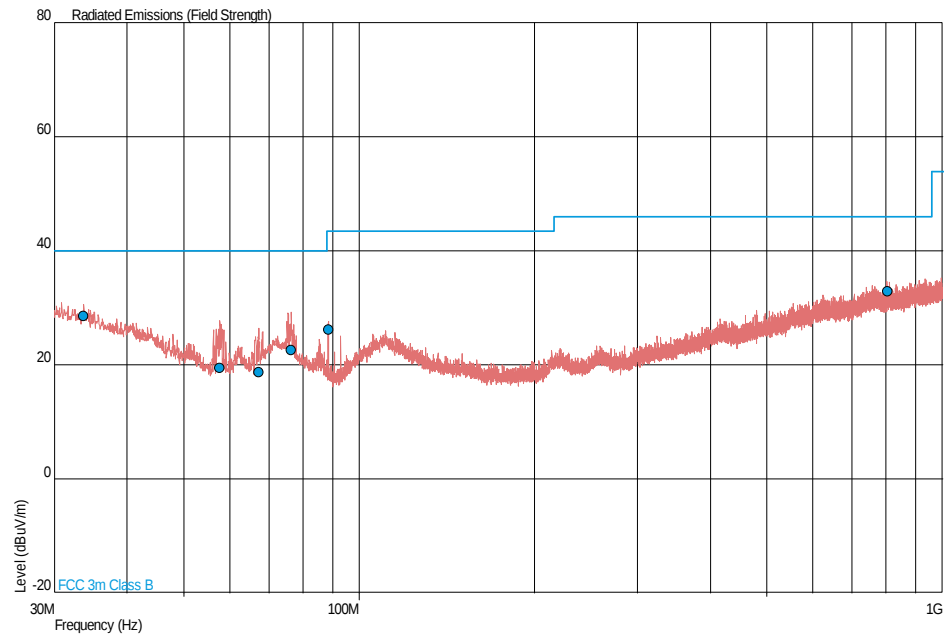


Date: 25.NOV.2014 18:36:55



5240 MHz

30 MHz to 1 GHz

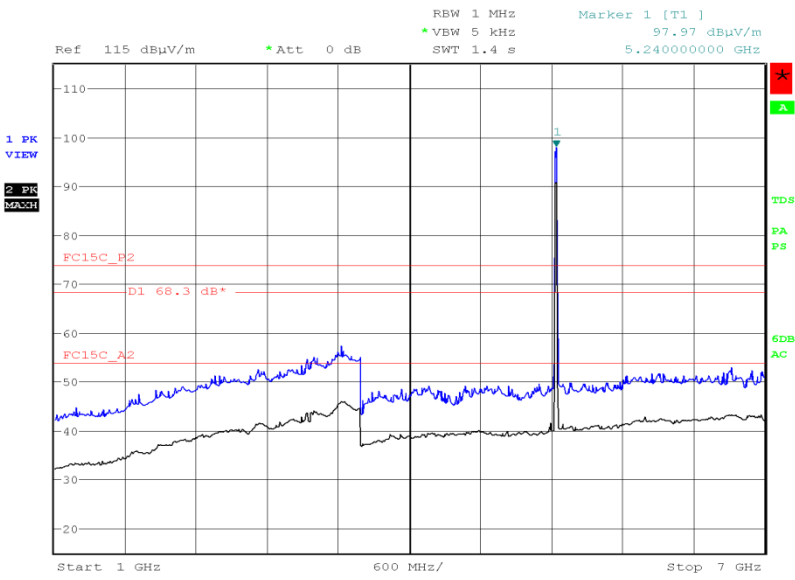


Frequency (MHz)	QP Level (dBµV/m)	QP Level (µV/m)	QP Limit (dBµV/m)	QP Limit (µV/m)	QP Margin (dBµV/m)	QP Margin (µV/m)	Angle (Deg)	Height (m)	Polarity
33.684	28.5	26.6	40.0	100	-11.5	-73.4	144	1.00	Vertical
57.645	19.5	9.4	40.0	100	-20.5	-90.6	103	1.00	Vertical
67.349	18.8	8.7	40.0	100	-21.2	-91.3	353	1.00	Vertical
76.465	22.6	13.5	40.0	100	-17.4	-86.5	187	1.00	Vertical
88.500	26.2	20.4	43.5	150	-17.3	-129.6	93	1.00	Vertical
805.116	32.9	44.2	46.0	200	-13.1	-155.8	148	1.00	Vertical



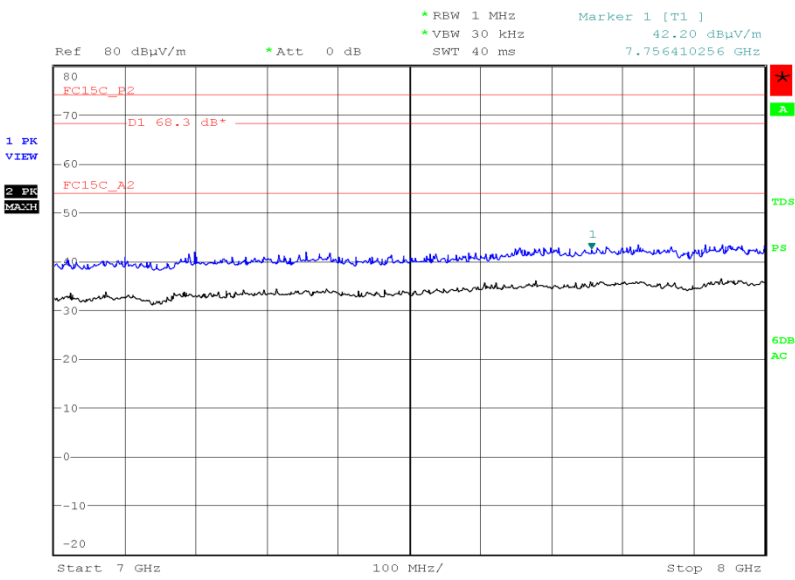
Product Service

1 GHz to 7 GHz



Date: 23.NOV.2014 13:25:01

7 GHz to 8 GHz

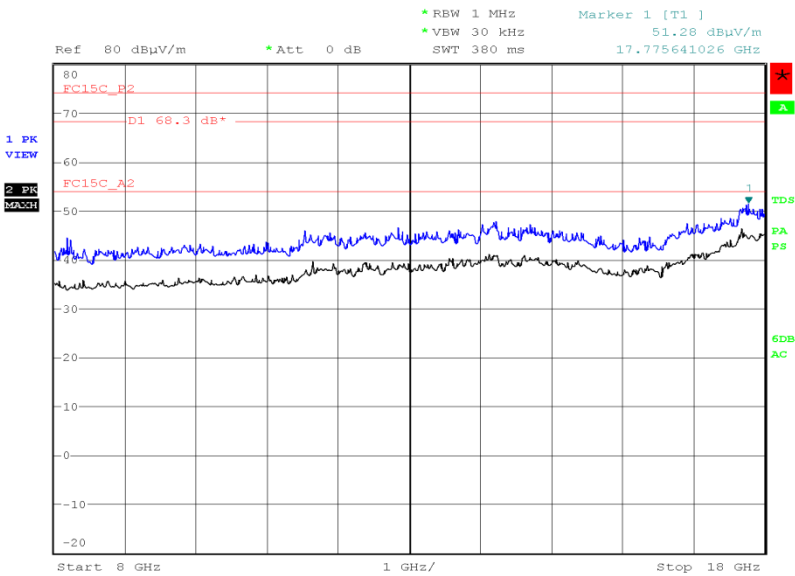


Date: 26.NOV.2014 17:13:23



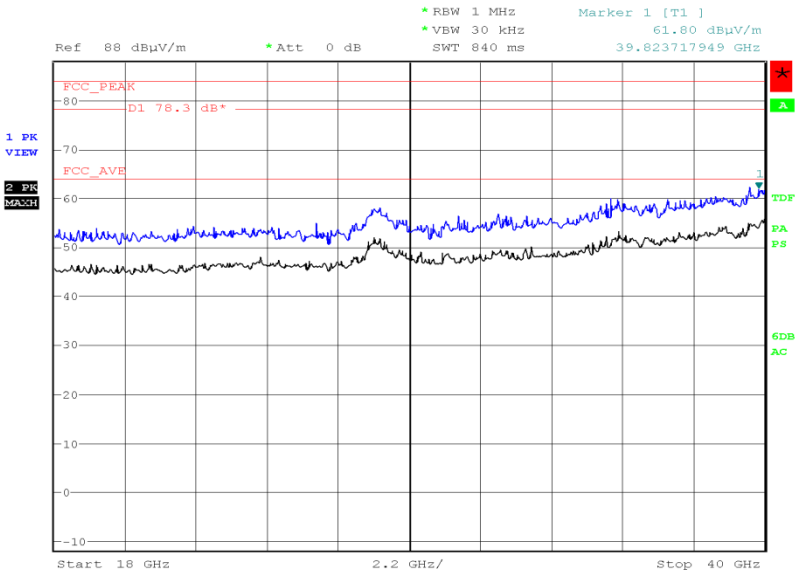
Product Service

8 GHz to 18 GHz



Date: 2.DEC.2014 23:19:41

18 GHz to 40 GHz



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

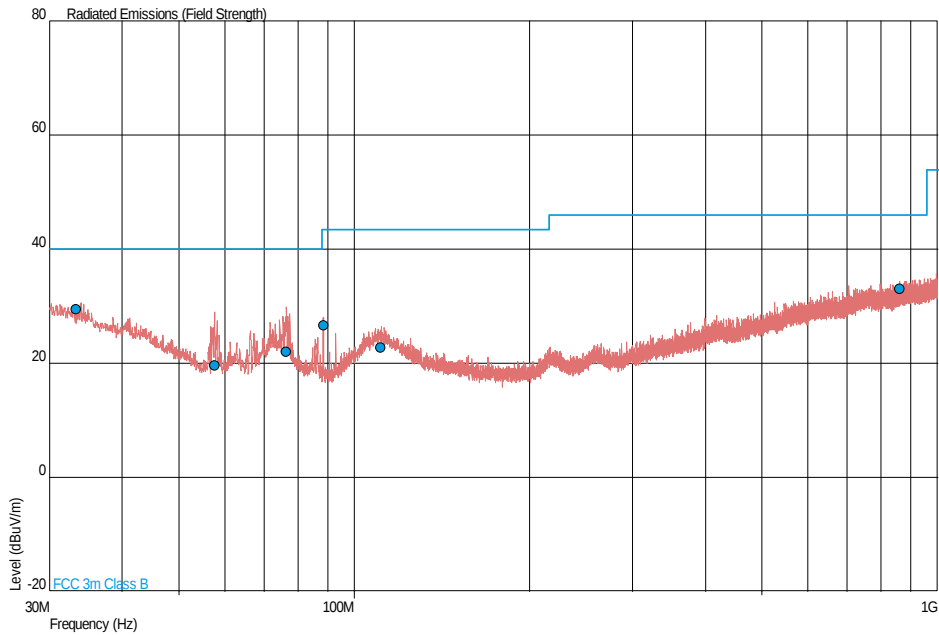


Product Service

Frequency Band 2

5260 MHz

30 MHz to 1 GHz

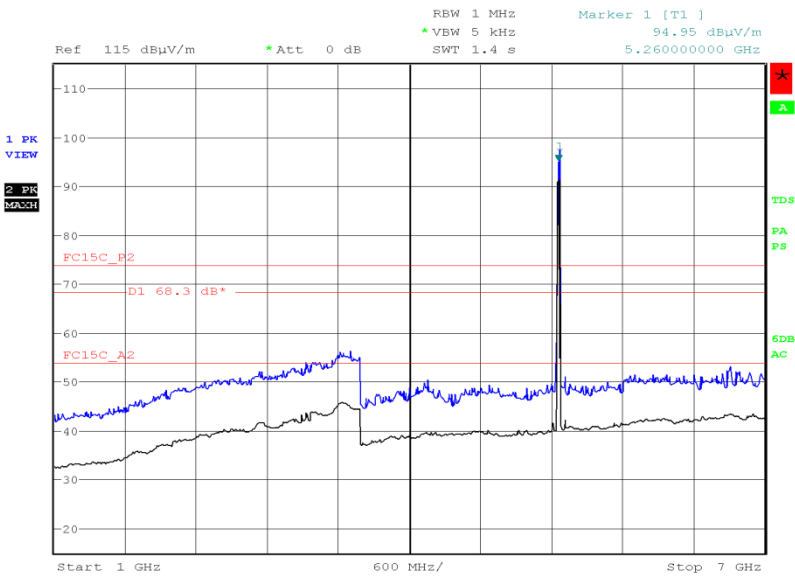


Frequency (MHz)	QP Level (dBuV/m)	QP Level (uV/m)	QP Limit (dBuV/m)	QP Limit (uV/m)	QP Margin (dBuV/m)	QP Margin (uV/m)	Angle (Deg)	Height (m)	Polarity
33.392	29.5	29.9	40.0	100	-10.5	-70.1	349	1.00	Vertical
57.653	19.7	9.7	40.0	100	-20.3	-90.3	0	1.00	Vertical
76.507	22.0	12.6	40.0	100	-18.0	-87.4	195	1.00	Vertical
88.488	26.7	21.6	43.5	150	-16.8	-128.4	98	1.00	Vertical
111.157	22.7	13.6	43.5	150	-20.8	-136.4	49	1.00	Vertical
860.340	33.0	44.7	46.0	200	-13.0	-155.3	12	1.00	Horizontal



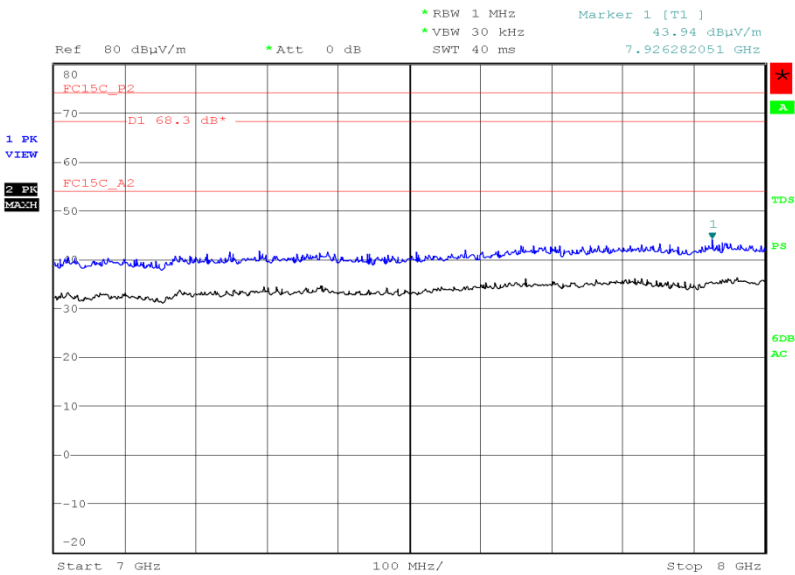
Product Service

1 GHz to 7 GHz



Date: 23.NOV.2014 13:47:01

7 GHz to 8 GHz

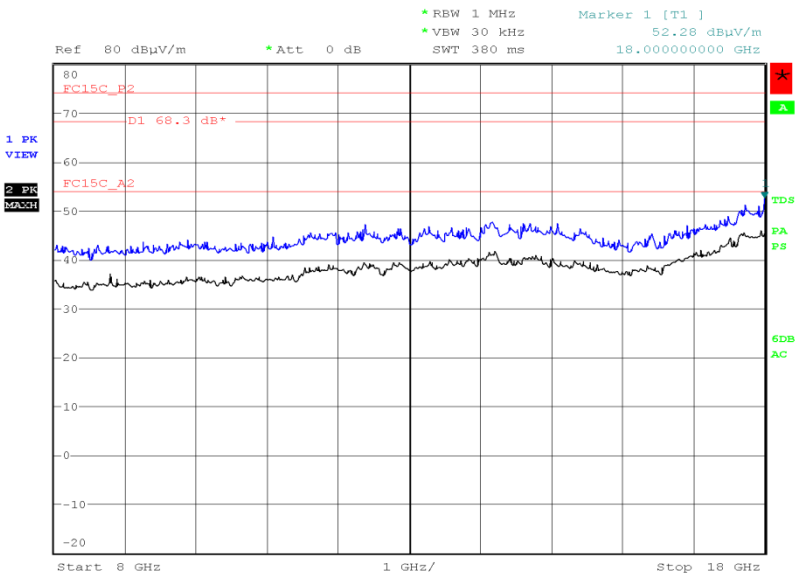


Date: 26.NOV.2014 17:17:02



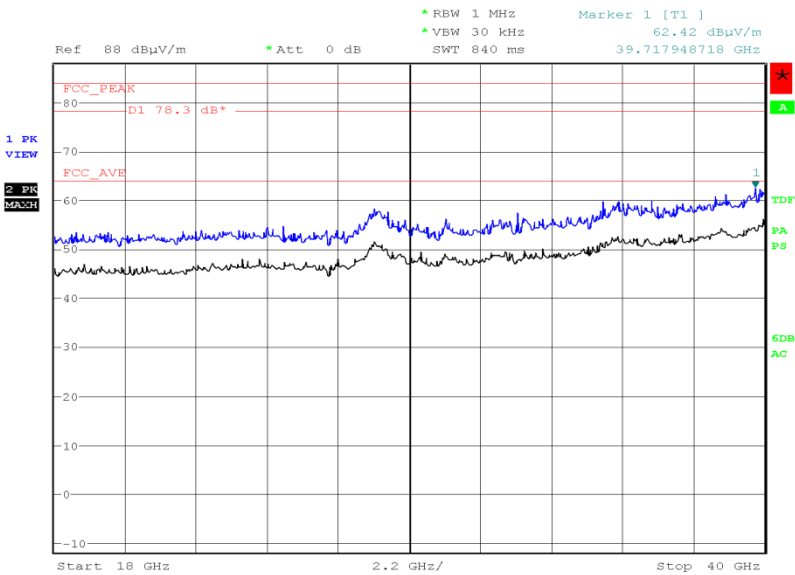
Product Service

8 GHz to 18 GHz

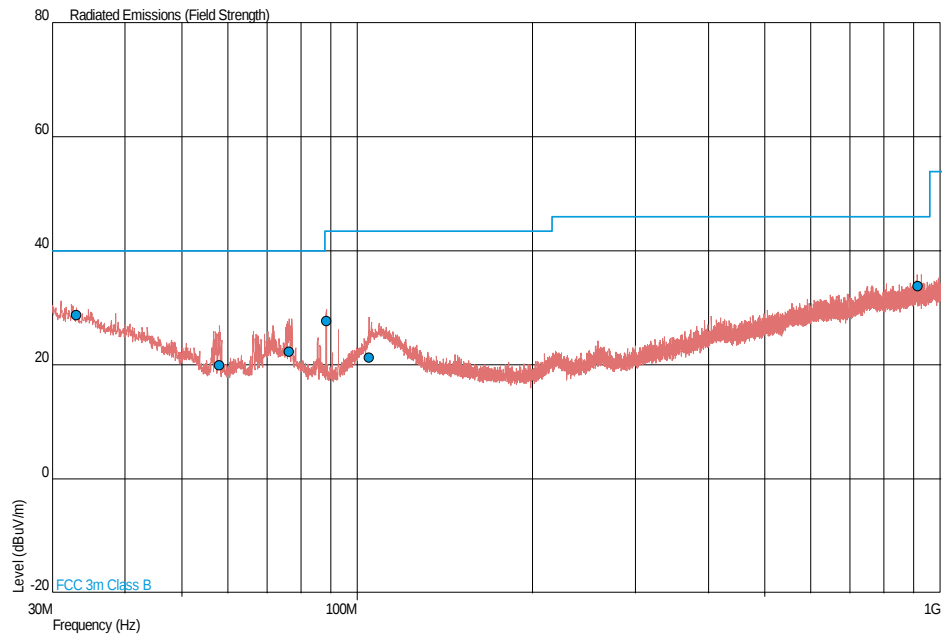


Date: 2.DEC.2014 23:28:53

18 GHz to 40 GHz



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

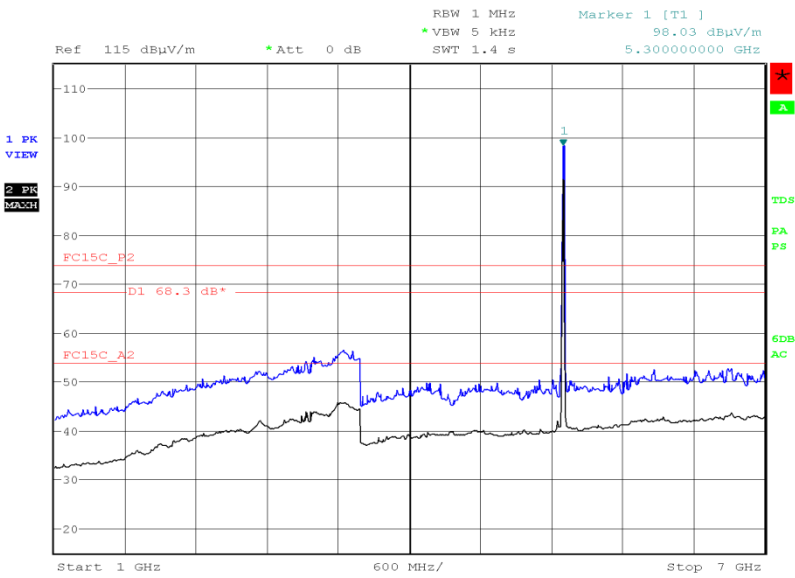
5300 MHz30 MHz to 1 GHz

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
33.005	28.7	27.2	40.0	100	-11.3	-72.8	251	1.00	Vertical
58.087	19.9	9.9	40.0	100	-20.1	-90.1	84	1.00	Vertical
76.359	22.3	13.0	40.0	100	-17.7	-87.0	173	1.00	Vertical
88.497	27.7	24.3	43.5	150	-15.8	-125.7	187	1.00	Vertical
104.785	21.3	11.6	43.5	150	-22.2	-138.4	0	1.00	Vertical
913.336	33.8	49.0	46.0	200	-12.2	-151.0	268	1.00	Horizontal



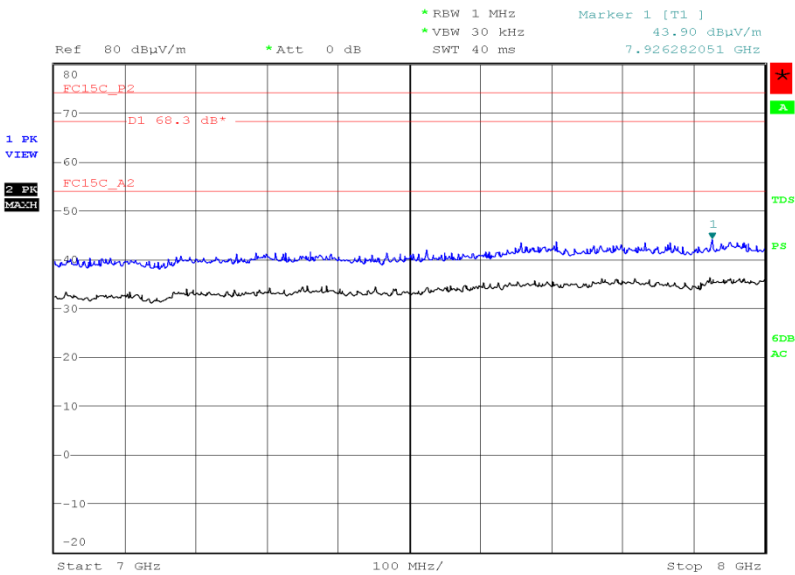
Product Service

1 GHz to 7 GHz



Date: 23.NOV.2014 14:09:44

7 GHz to 8 GHz

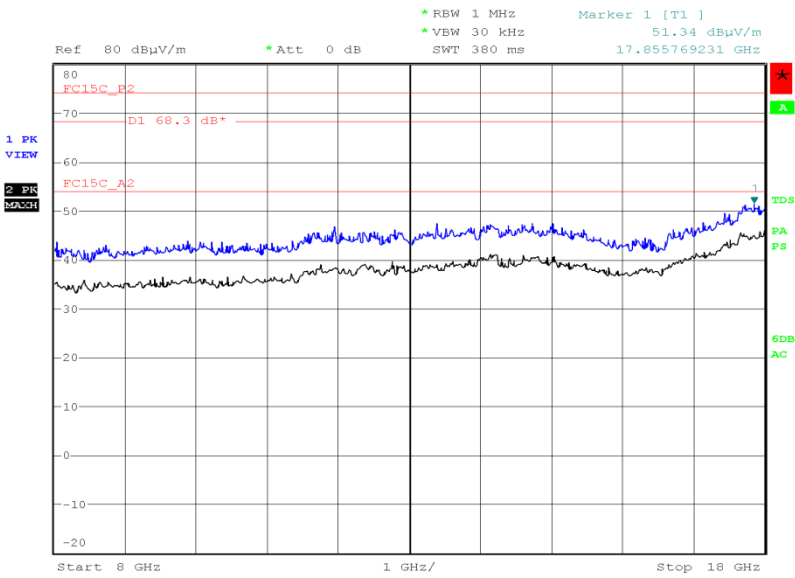


Date: 26.NOV.2014 17:20:44



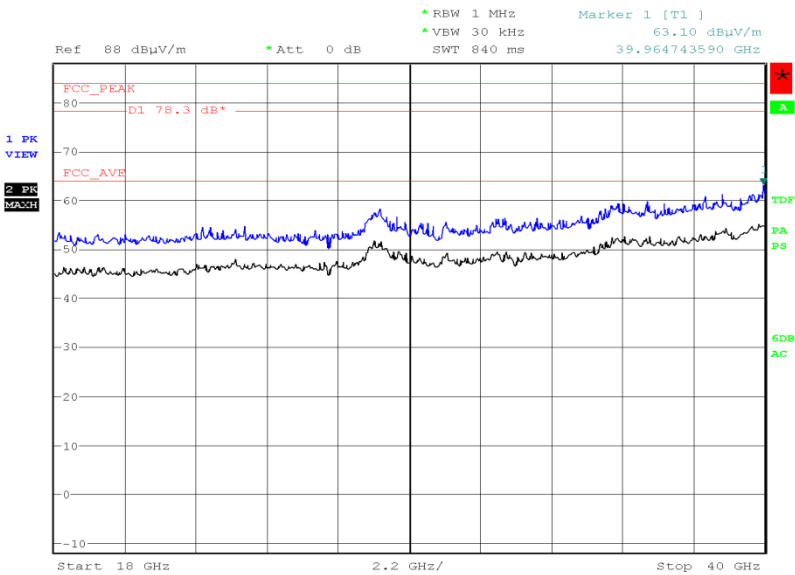
Product Service

8 GHz to 18 GHz

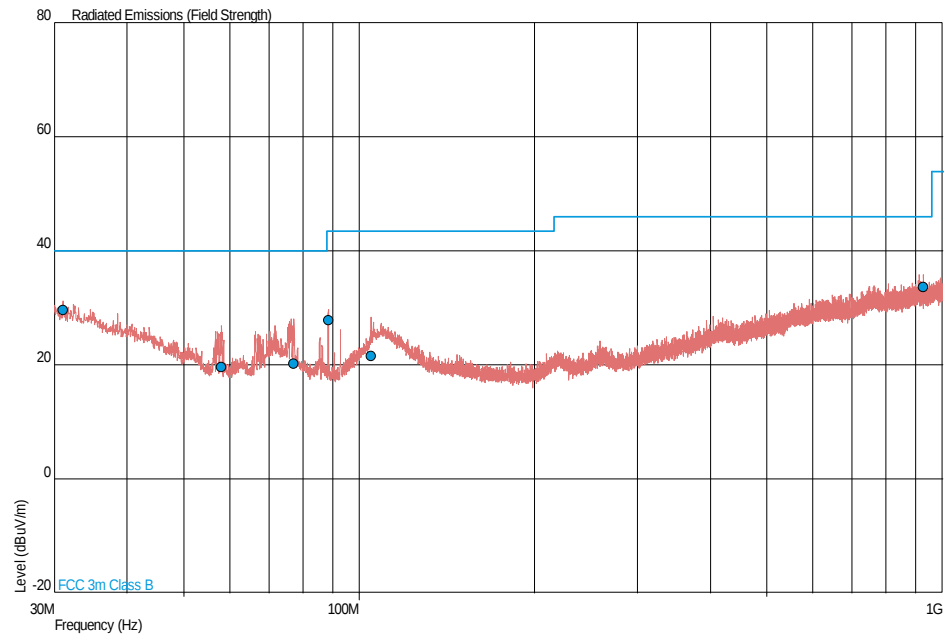


Date: 2.DEC.2014 23:38:01

18 GHz to 40 GHz



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

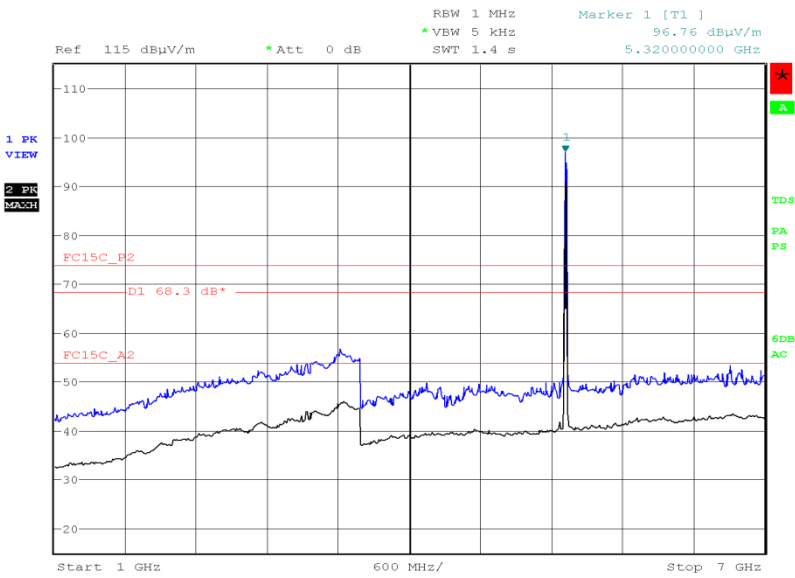
5320 MHz30 MHz to 1 GHz

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
31.068	29.7	30.5	40.0	100	-10.3	-69.5	170	1.00	Vertical
58.084	19.6	9.5	40.0	100	-20.4	-90.5	240	1.00	Vertical
77.311	20.2	10.2	40.0	100	-19.8	-89.8	154	1.00	Vertical
88.505	27.9	24.8	43.5	150	-15.6	-125.2	102	1.00	Vertical
104.784	21.6	12.0	43.5	150	-21.9	-138.0	360	1.00	Vertical
928.735	33.7	48.4	46.0	200	-12.3	-151.6	123	1.00	Vertical



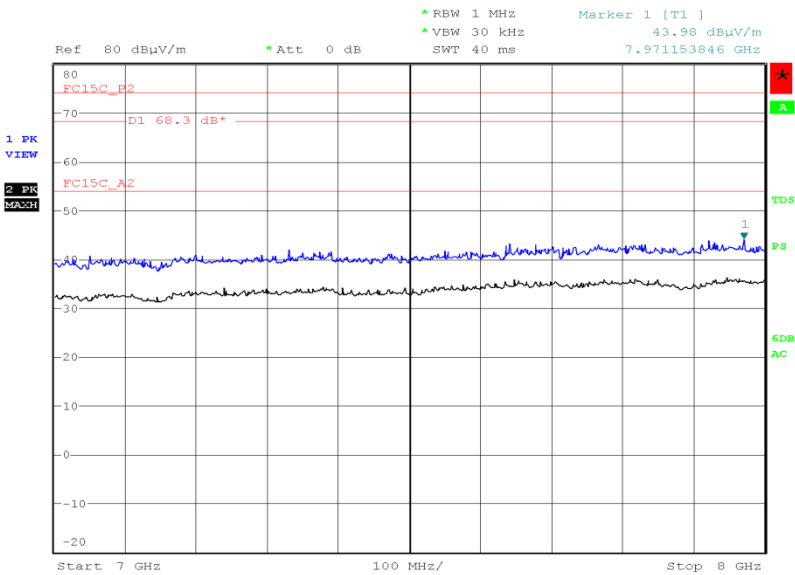
Product Service

1 GHz to 7 GHz



Date: 23.NOV.2014 14:30:35

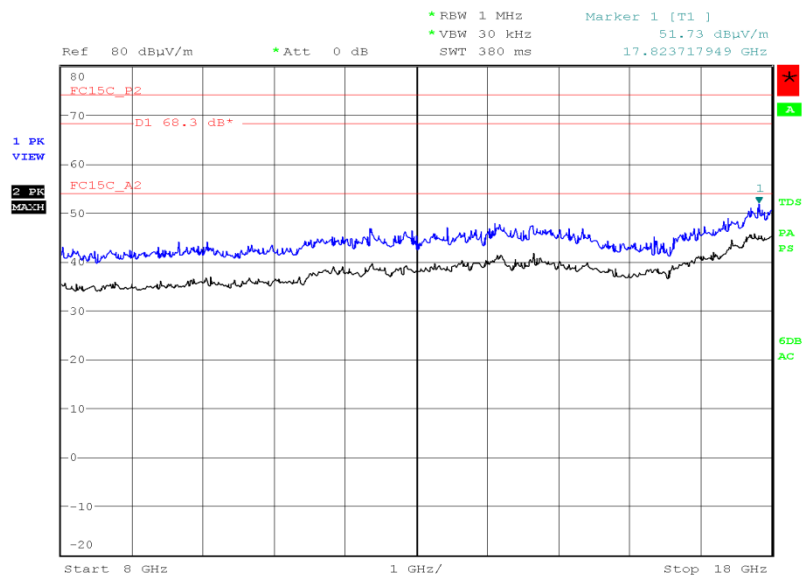
7 GHz to 8 GHz



Date: 26.NOV.2014 17:24:38

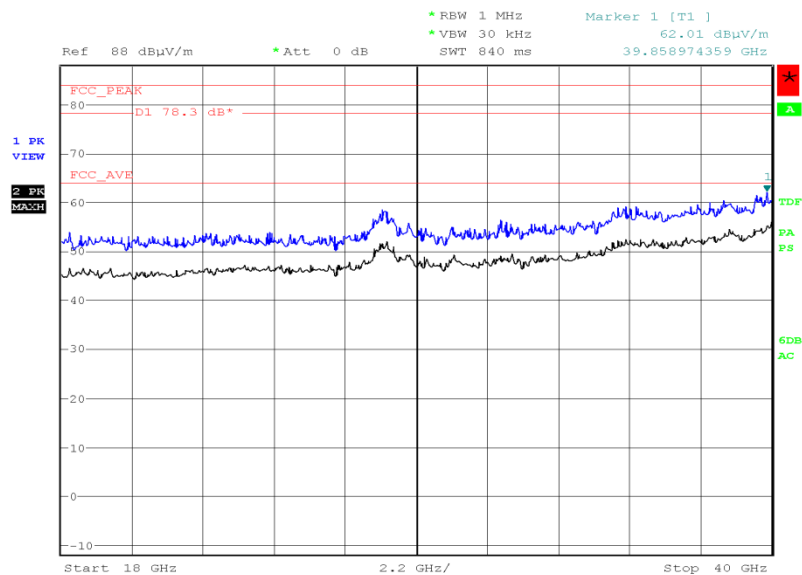


8 GHz to 18 GHz



Date: 2.DEC.2014 23:49:46

18 GHz to 40 GHz



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

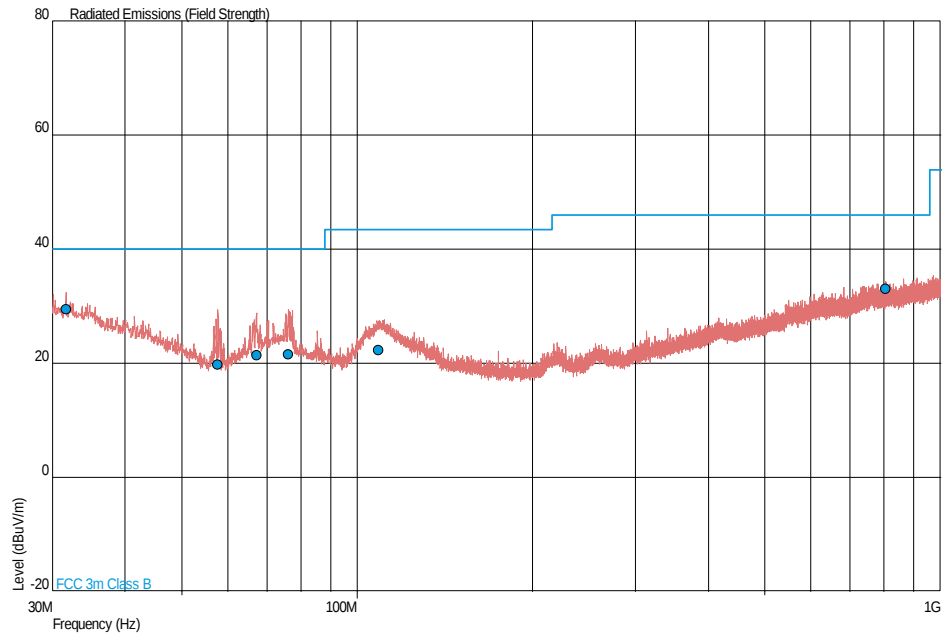


Product Service

Frequency Band 3

5500 MHz

30 MHz to 1 GHz

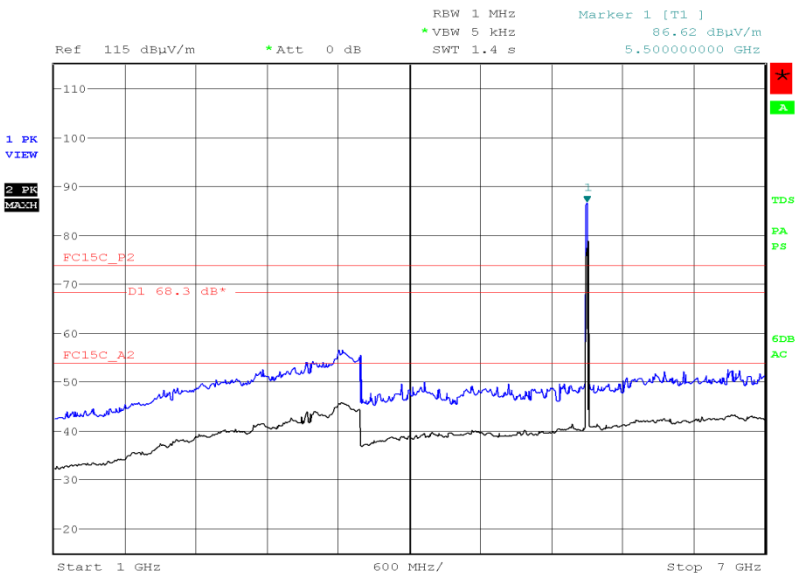


Frequency (MHz)	QP Level (dBμV/m)	QP Level (μV/m)	QP Limit (dBμV/m)	QP Limit (μV/m)	QP Margin (dBμV/m)	QP Margin (μV/m)	Angle (Deg)	Height (m)	Polarity
31.699	29.5	29.9	40.0	100	-10.5	-70.1	178	1.00	Vertical
57.641	19.8	9.8	40.0	100	-20.2	-90.2	48	1.00	Vertical
67.193	21.4	11.7	40.0	100	-18.6	-88.3	195	1.00	Vertical
76.320	21.6	12.0	40.0	100	-18.4	-88.0	277	1.00	Vertical
108.873	22.3	13.0	43.5	150	-21.2	-137.0	0	1.00	Vertical
804.154	33.0	44.7	46.0	200	-13.0	-155.3	360	1.63	Vertical



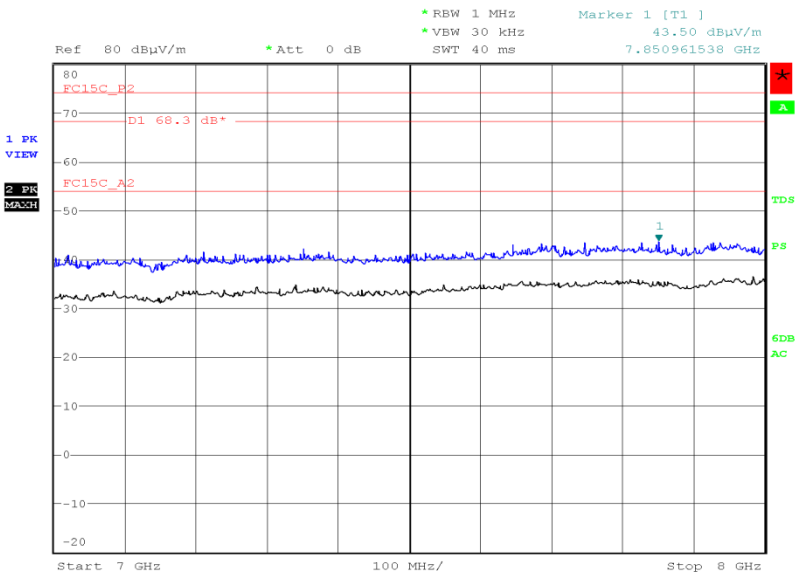
Product Service

1 GHz to 7 GHz



Date: 23.NOV.2014 14:53:08

7 GHz to 8 GHz

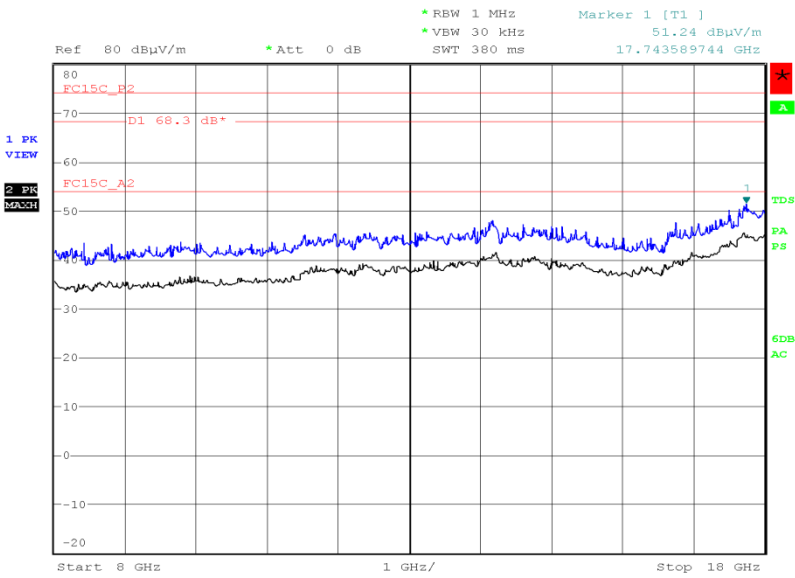


Date: 26.NOV.2014 17:28:17



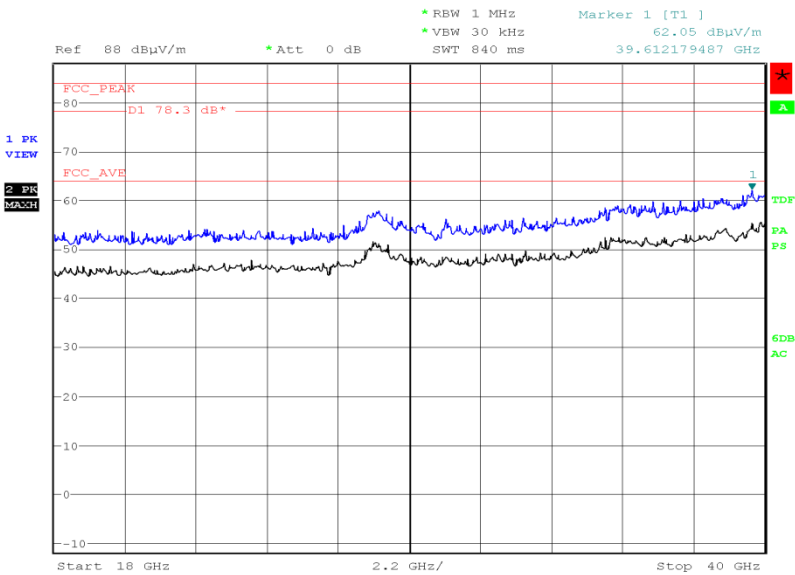
Product Service

8 GHz to 18 GHz



Date: 3.DEC.2014 00:00:58

18 GHz to 40 GHz



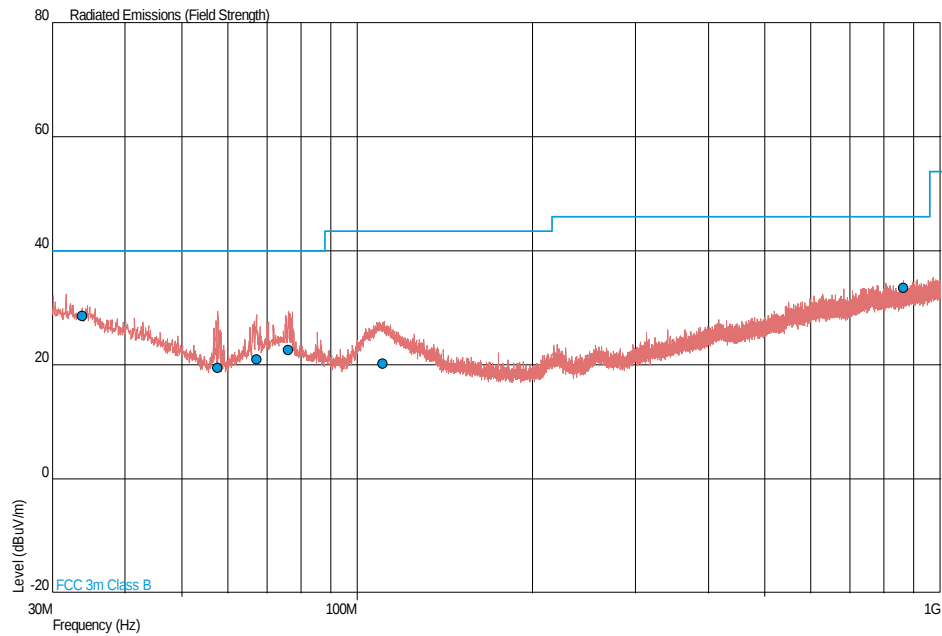
Date: 25.NOV.2014 20:13:24



Product Service

5600 MHz

30 MHz to 1 GHz

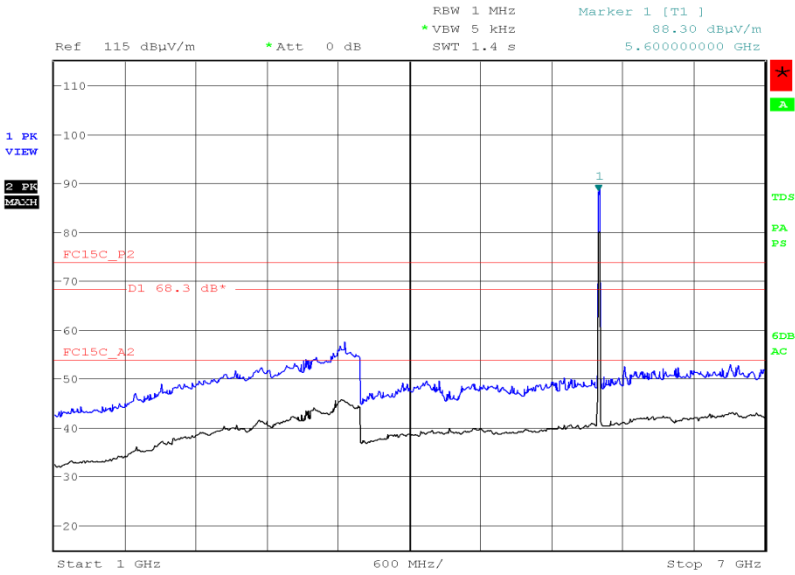


Frequency (MHz)	QP Level (dBµV/m)	QP Level (µV/m)	QP Limit (dBµV/m)	QP Limit (µV/m)	QP Margin (dBµV/m)	QP Margin (µV/m)	Angle (Deg)	Height (m)	Polarity
33.785	28.6	26.9	40.0	100	-11.4	-73.1	360	1.00	Vertical
57.651	19.4	9.3	40.0	100	-20.6	-90.7	59	1.00	Vertical
67.191	21.0	11.2	40.0	100	-19.0	-88.8	190	1.00	Vertical
76.319	22.6	13.5	40.0	100	-17.4	-86.5	181	1.02	Vertical
110.659	20.2	10.2	43.5	150	-23.3	-139.8	86	1.00	Vertical
865.128	33.6	47.9	46.0	200	-12.4	-152.1	174	1.00	Horizontal



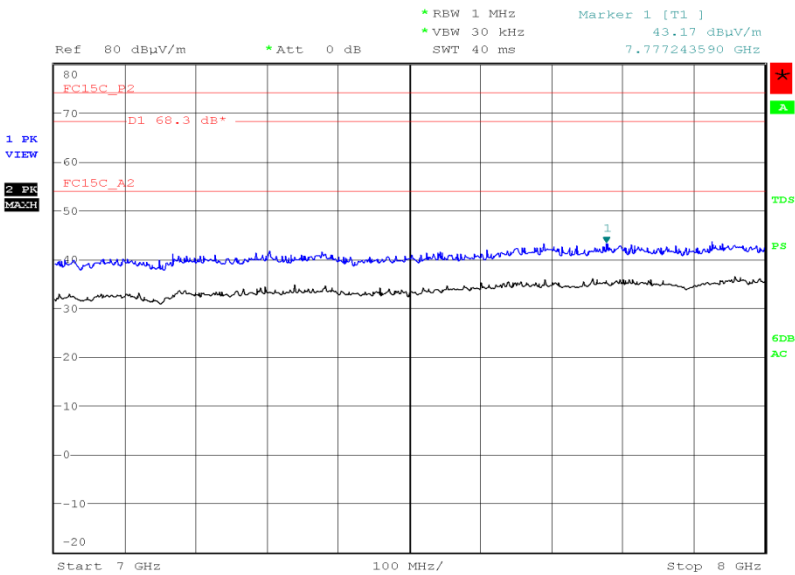
Product Service

1 GHz to 7 GHz



Date: 23.NOV.2014 15:10:28

7 GHz to 8 GHz

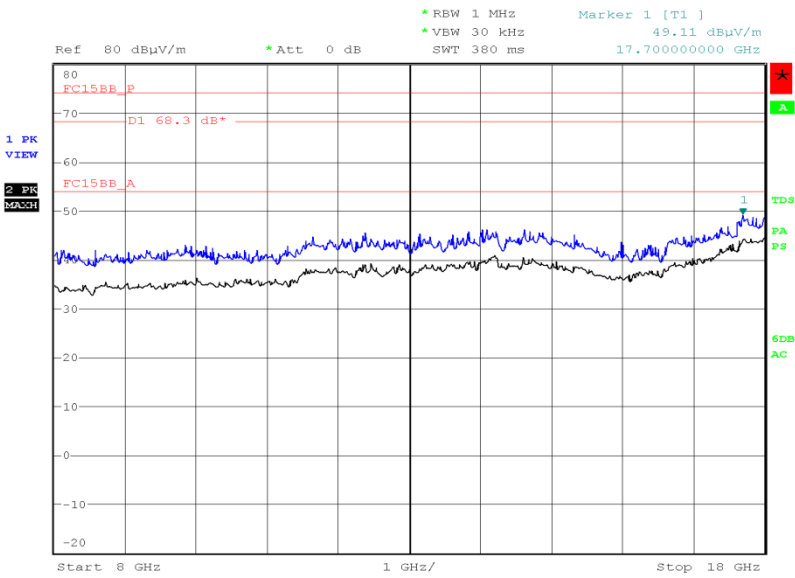


Date: 26.NOV.2014 17:31:34



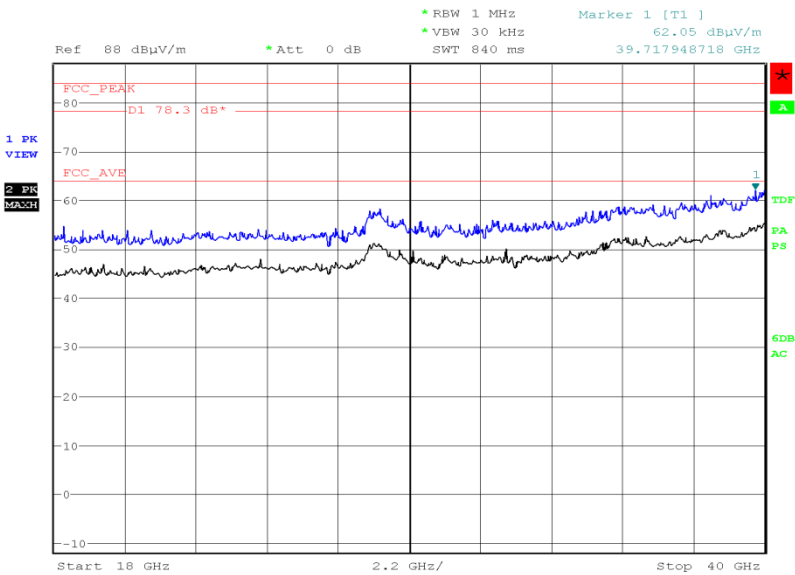
Product Service

8 GHz to 18 GHz



Date: 3.DEC.2014 17:09:59

18 GHz to 40 GHz



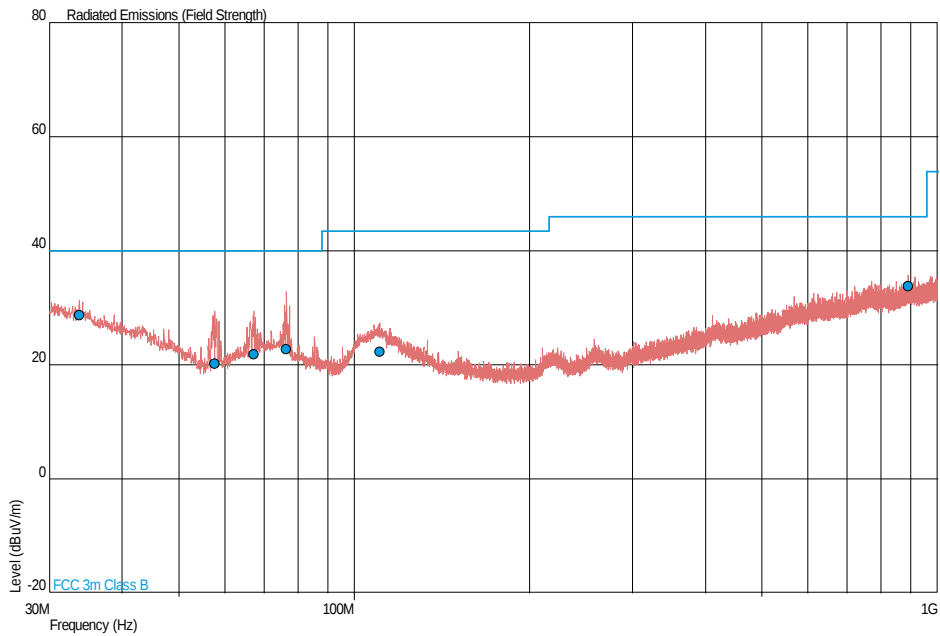
Date: 25.NOV.2014 20:24:17



Product Service

5700 MHz

30 MHz to 1 GHz

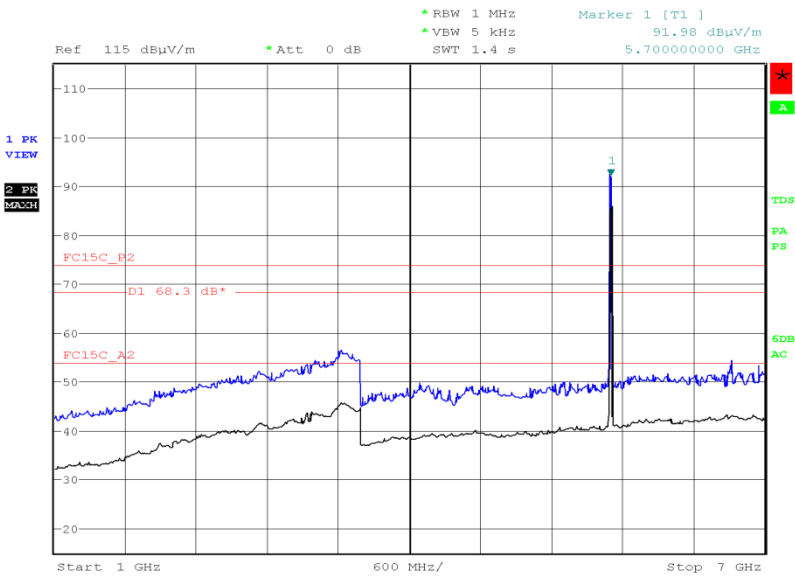


Frequency (MHz)	QP Level (dBµV/m)	QP Level (µV/m)	QP Limit (dBµV/m)	QP Limit (µV/m)	QP Margin (dBµV/m)	QP Margin (µV/m)	Angle (Deg)	Height (m)	Polarity
33.781	28.8	27.5	40.0	100	-11.2	-72.5	360	1.00	Vertical
57.658	20.3	10.4	40.0	100	-19.7	-89.6	0	1.00	Vertical
67.299	21.9	12.4	40.0	100	-18.1	-87.6	225	1.00	Vertical
76.560	22.8	13.8	40.0	100	-17.2	-86.2	185	1.00	Vertical
110.465	22.4	13.2	43.5	150	-21.1	-136.8	32	1.00	Vertical
889.143	33.8	49.0	46.0	200	-12.2	-151.0	195	1.00	Horizontal



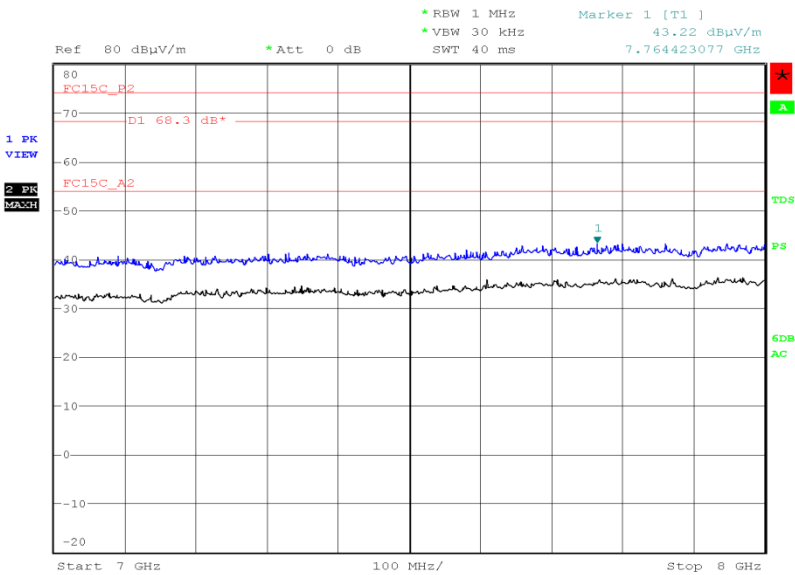
Product Service

1 GHz to 7 GHz



Date: 23.NOV.2014 15:33:25

7 GHz to 8 GHz

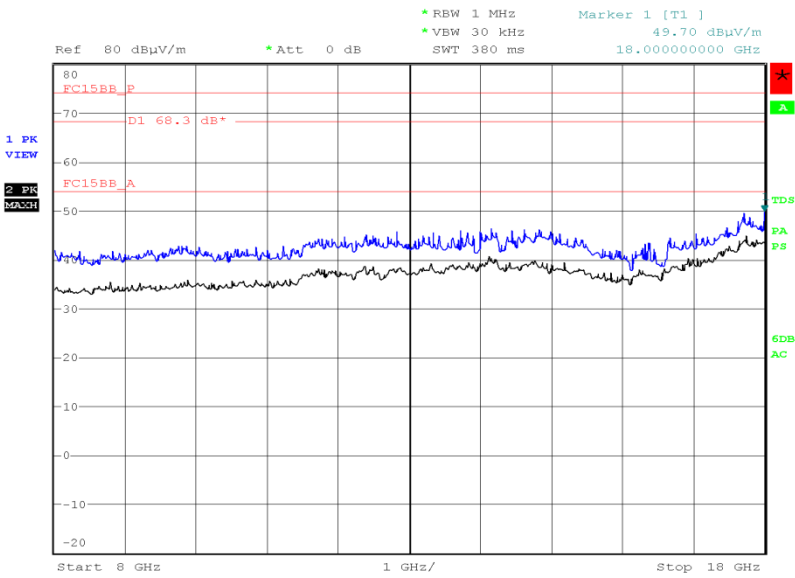


Date: 26.NOV.2014 17:35:06



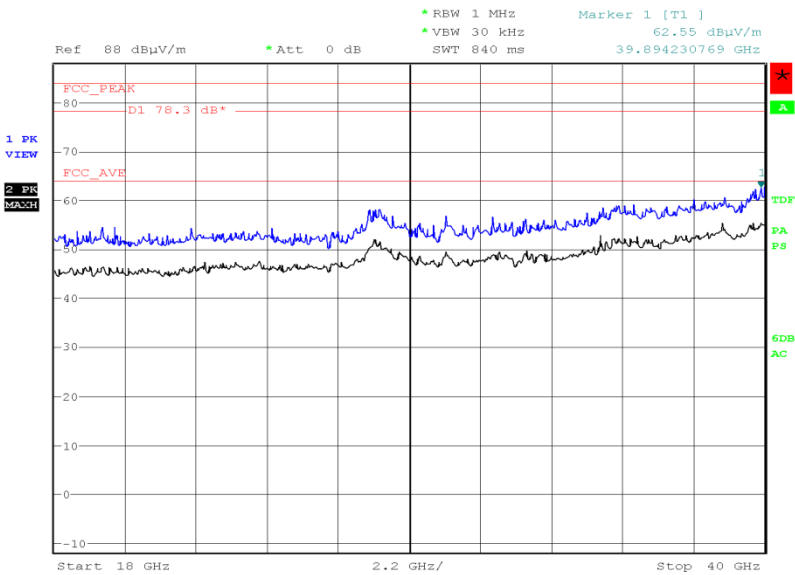
Product Service

8 GHz to 18 GHz



Date: 3.DEC.2014 17:27:13

18 GHz to 40 GHz



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

Limit

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

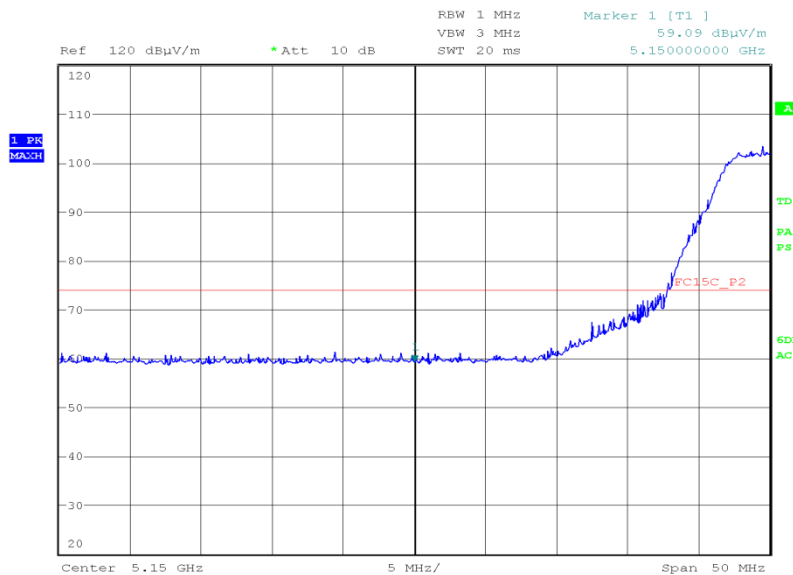


Product Service

Band Edge

Modulation/Data Rate: OFDM/9 Mbps

Restricted Bands of Operation		
Frequency (MHz)	Final Peak (dBμV/m)	Final Average (dBμV/m)
5150.00	59.09	47.69
5350.00	60.51	48.52
5460.00	59.87	48.47

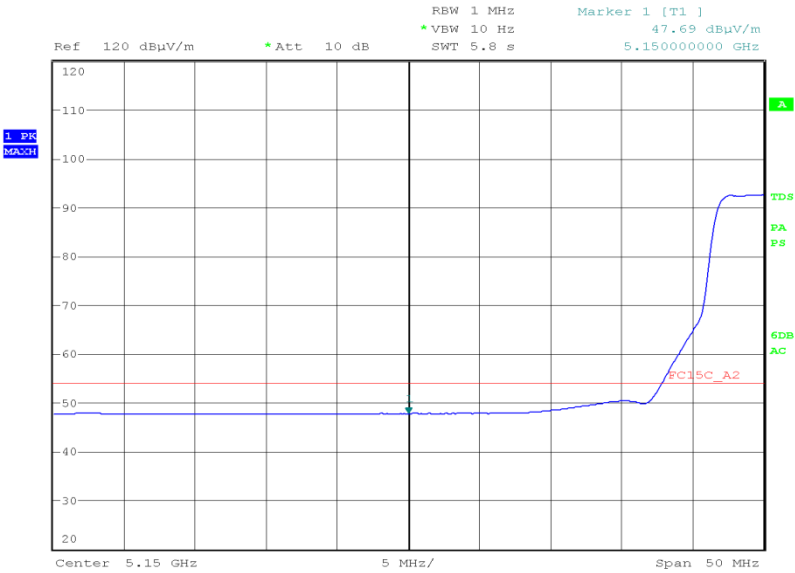
5150.00 MHzFinal Peak

Date: 30.NOV.2014 08:44:47



Product Service

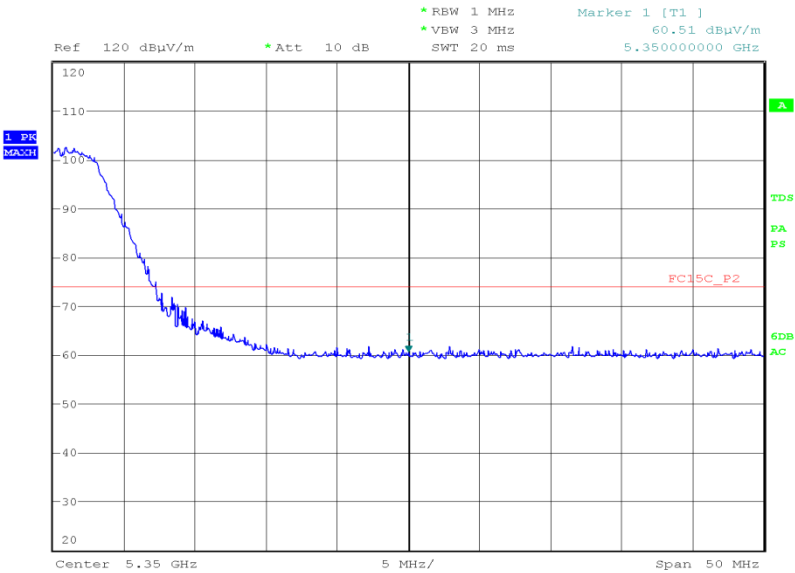
Final Average



Date: 30.NOV.2014 08:45:57

5350.00 MHz

Final Peak

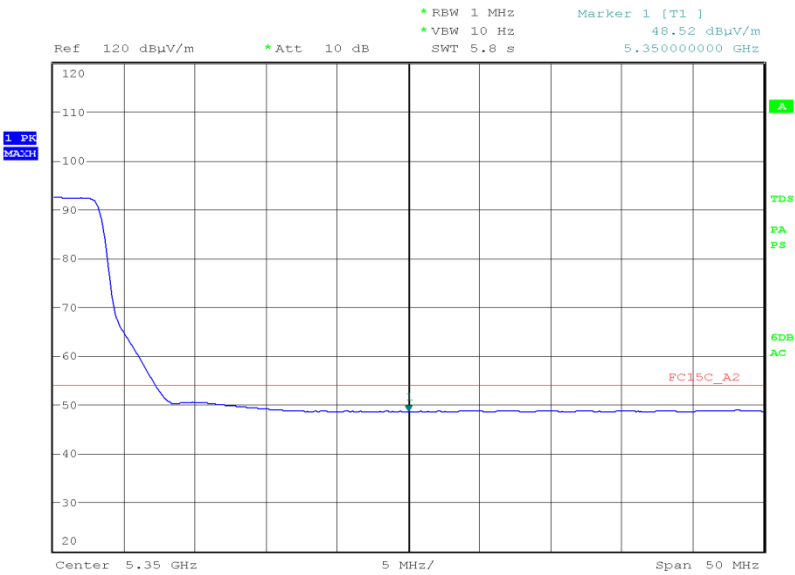


Date: 30.NOV.2014 09:26:26



Product Service

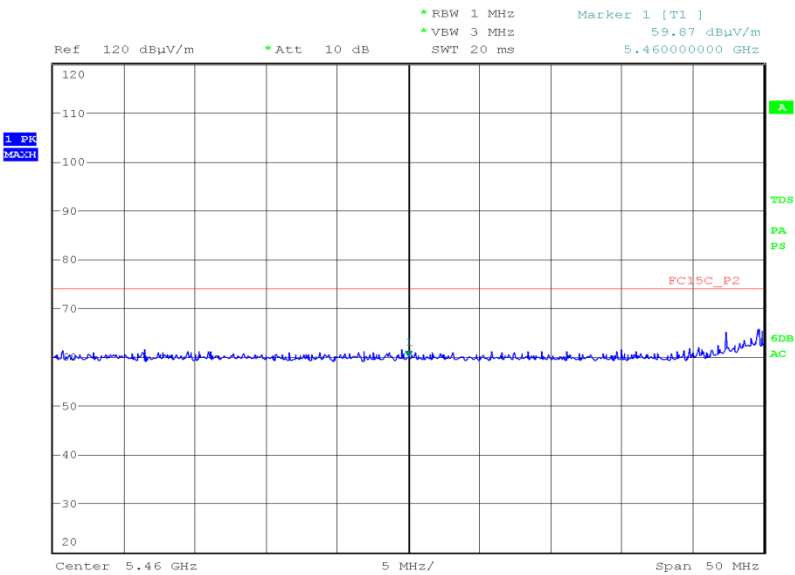
Final Average



Date: 30.NOV.2014 09:27:32

5460.00 MHz

Final Peak

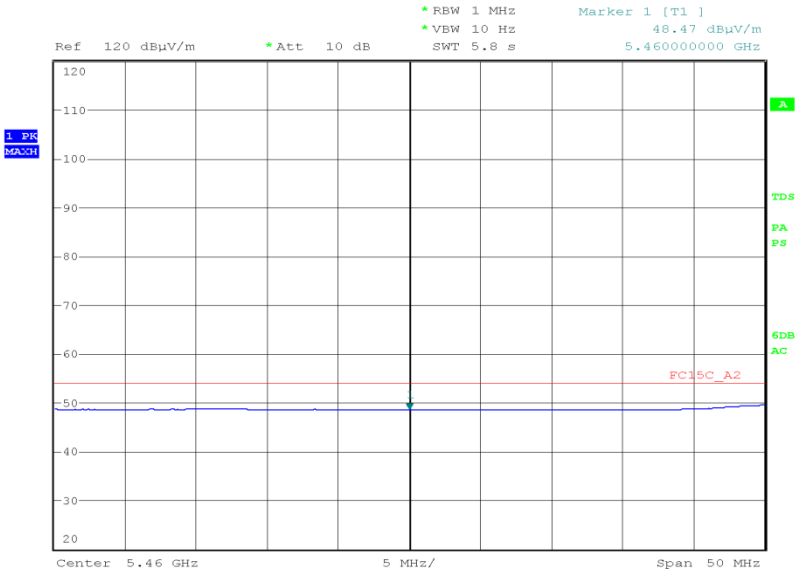


Date: 30.NOV.2014 09:39:00



Product Service

Final Average



Date: 30.NOV.2014 09:39:47

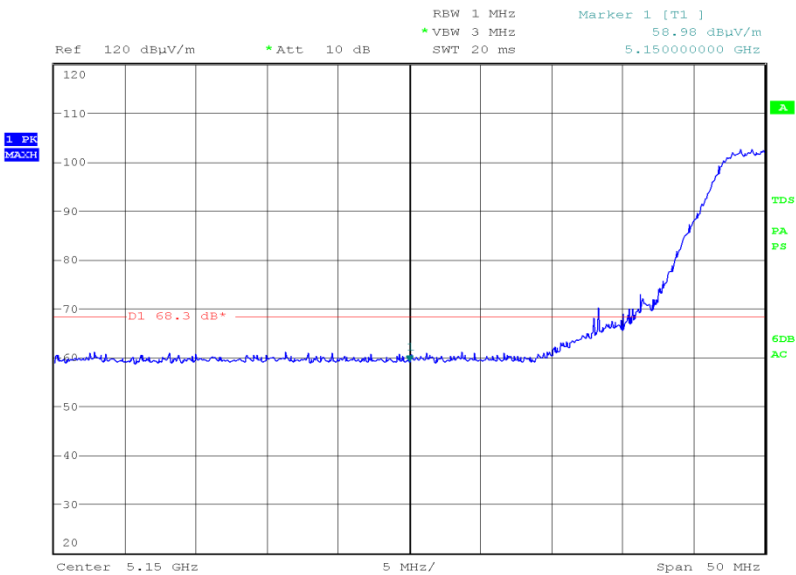


Product Service

Band Edge	
Frequency (MHz)	Final Peak (dBm)
5150.00	-36.22
5350.00	-35.02
5470.00	-35.02
5725.00	-35.34

5150.00 MHz

Final Peak



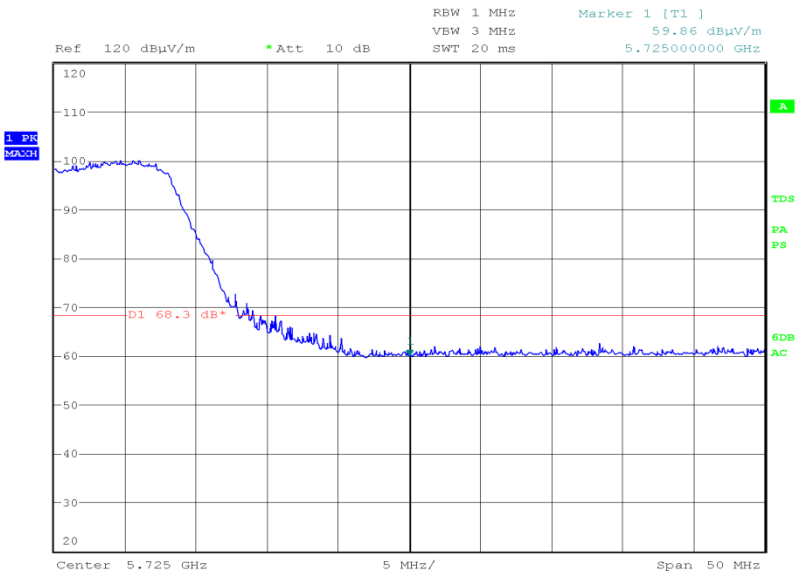
Date: 30.NOV.2014 08:47:19



Product Service

5725.00 MHz

Final Peak



Date: 30.NOV.2014 10:15:33