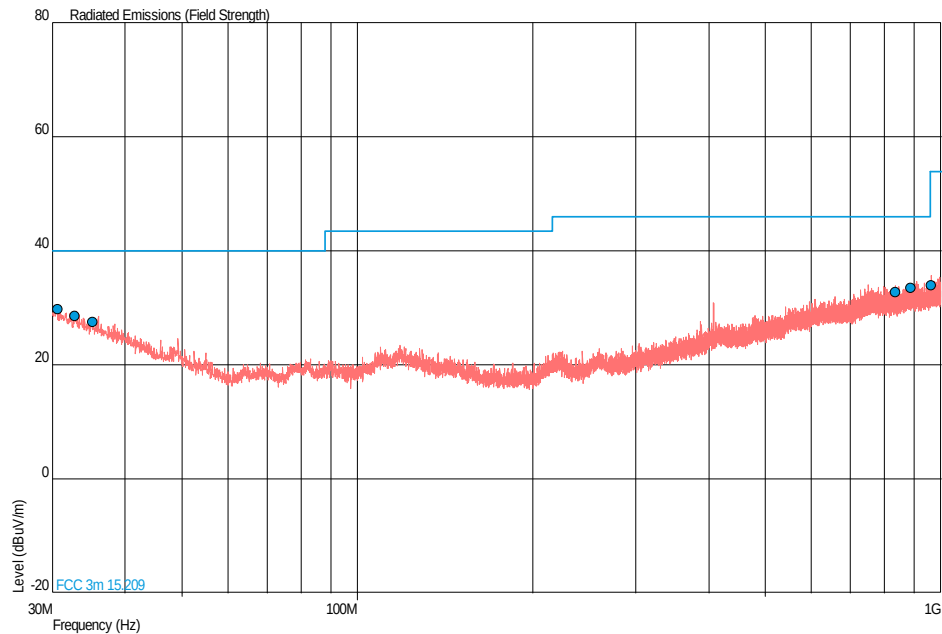




Product Service

5230 MHz

30 MHz to 1 GHz

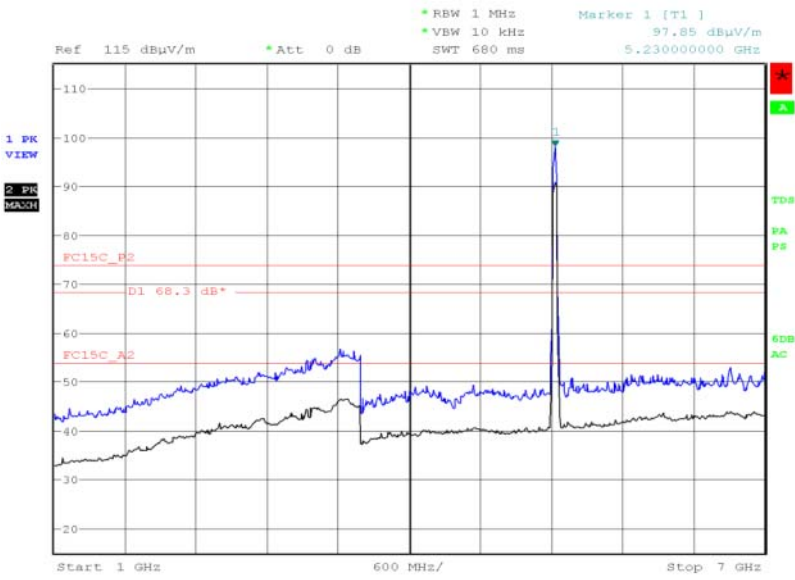


Frequency (MHz)	QP Level (dBµV/m)	QP Level (µV/m)	QP Limit (dBµV/m)	QP Limit (µV/m)	QP Margin (dBµV/m)	QP Margin (µV/m)	Angle (Deg)	Height (m)	Polarity
30.631	29.7	30.5	40.0	100	-10.3	-69.5	0	1.00	Vertical
32.813	28.6	26.9	40.0	100	-11.4	-73.1	180	1.00	Vertical
35.190	27.6	24.0	40.0	100	-12.4	-76.0	90	1.00	Vertical
836.604	32.8	43.7	46.0	200	-13.2	-156.3	90	1.00	Vertical
888.838	33.6	47.9	46.0	200	-12.4	-152.1	90	1.00	Vertical
963.334	34.0	50.1	54.0	200	-20.0	-149.9	180	1.00	Vertical



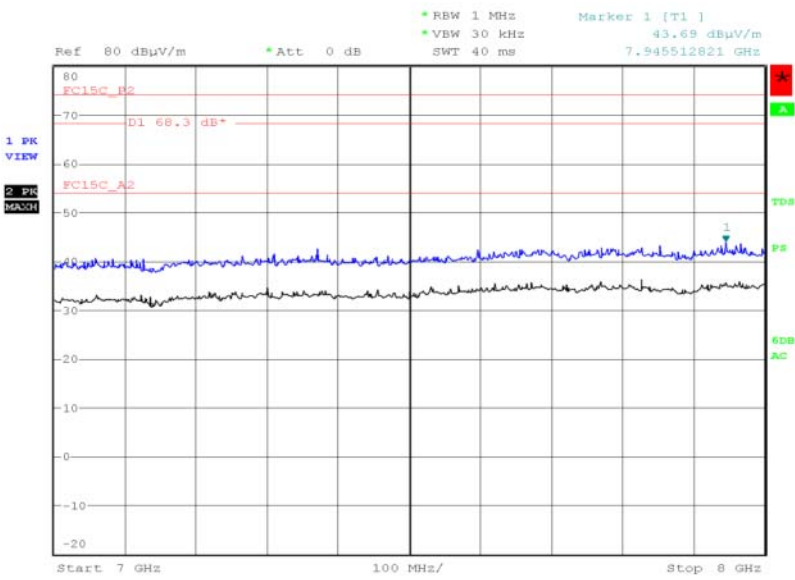
Product Service

1 GHz to 7 GHz



Date: 15.DEC.2014 21:06:23

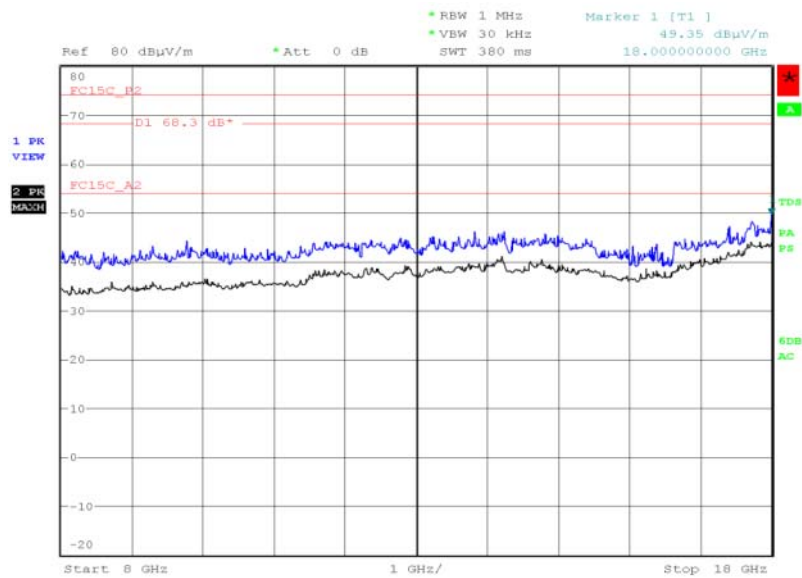
7 GHz to 8 GHz



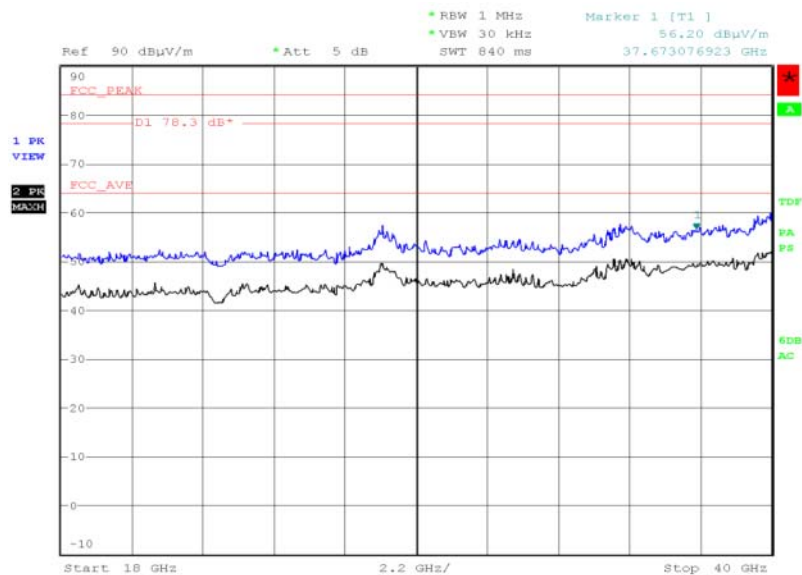
Date: 18.NOV.2014 23:35:53



Product Service

8 GHz to 18 GHz

Date: 16.DEC.2014 22:41:38

18 GHz to 40 GHz

Date: 17.DEC.2014 23:19:40

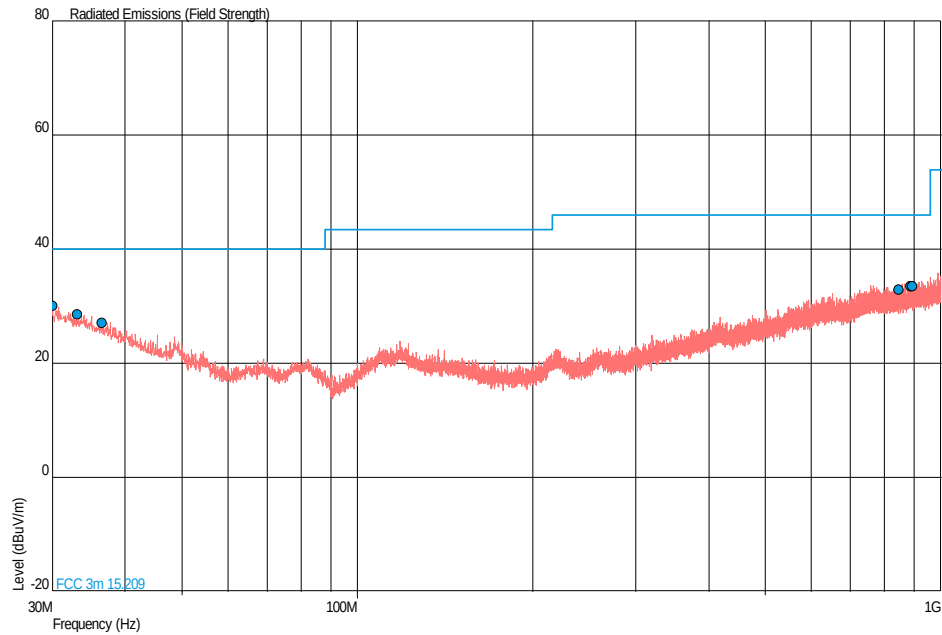


Product Service

Frequency Band 2

5270 MHz

30 MHz to 1 GHz

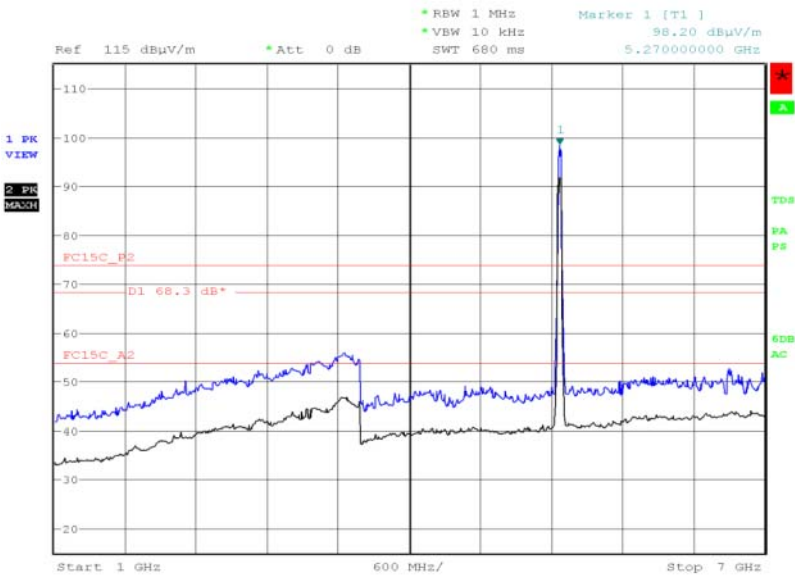


Frequency (MHz)	QP Level (dBμV/m)	QP Level (μV/m)	QP Limit (dBμV/m)	QP Limit (μV/m)	QP Margin (dBμV/m)	QP Margin (μV/m)	Angle (Deg)	Height (m)	Polarity
30.049	30.0	31.6	40.0	100	-10.0	-68.4	270	1.00	Vertical
33.104	28.5	26.6	40.0	100	-11.5	-73.4	90	1.00	Vertical
36.548	27.0	22.4	40.0	100	-13.0	-77.6	180	1.00	Vertical
847.759	32.9	44.2	46.0	200	-13.1	-155.8	180	1.00	Vertical
886.268	33.5	47.3	46.0	200	-12.5	-152.7	90	1.00	Vertical
892.912	33.5	47.3	46.0	200	-12.5	-152.7	90	1.00	Vertical



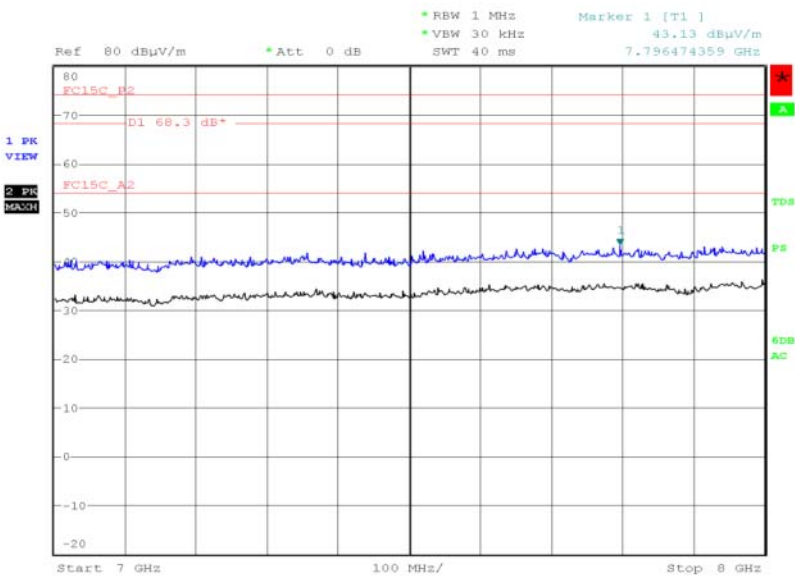
Product Service

1 GHz to 7 GHz



Date: 15.DEC.2014 21:20:08

7 GHz to 8 GHz

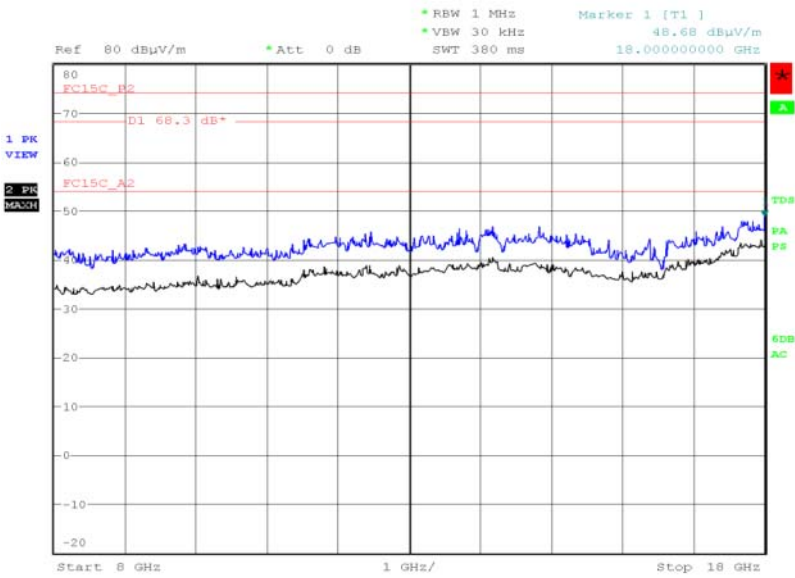


Date: 18.NOV.2014 23:40:11



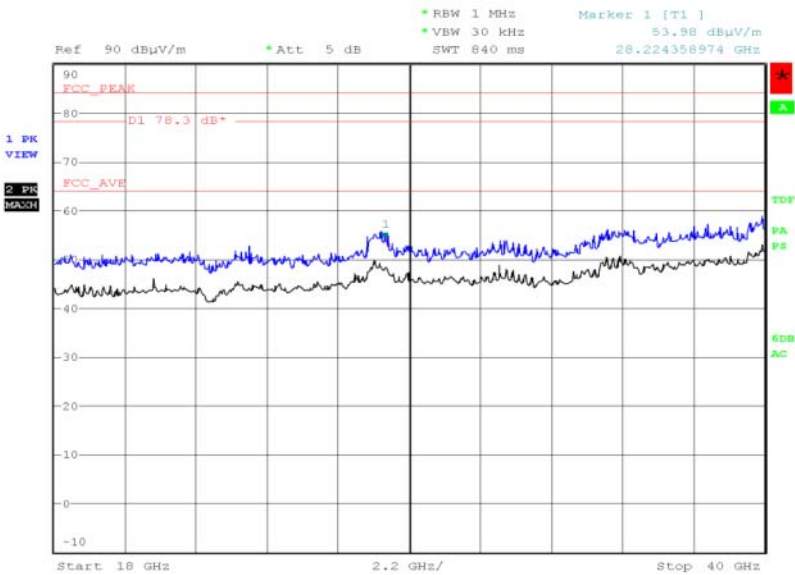
Product Service

8 GHz to 18 GHz



Date: 16.DEC.2014 22:49:45

18 GHz to 40 GHz



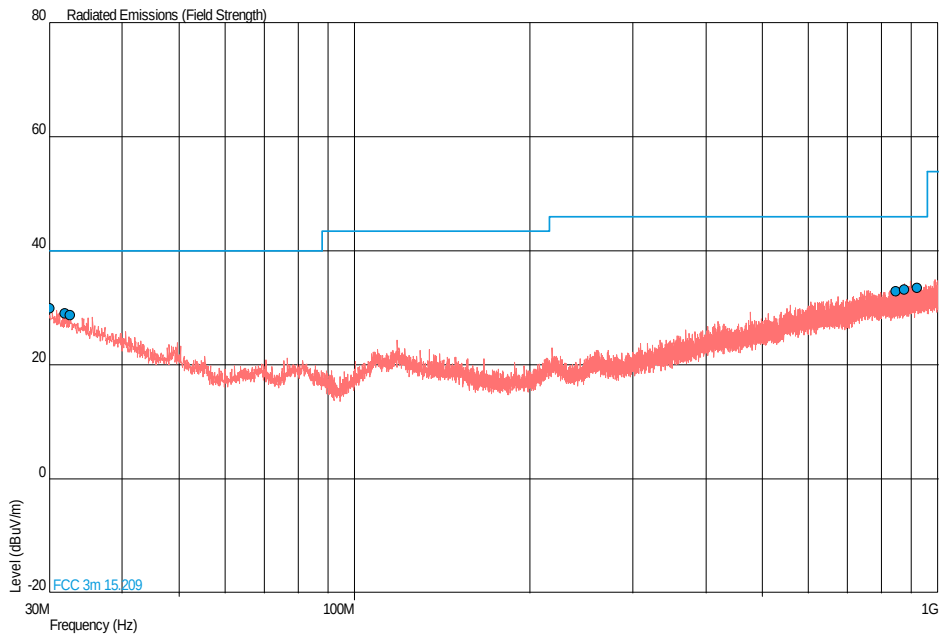
Date: 17.DEC.2014 23:25:09



Product Service

5310 MHz

30 MHz to 1 GHz

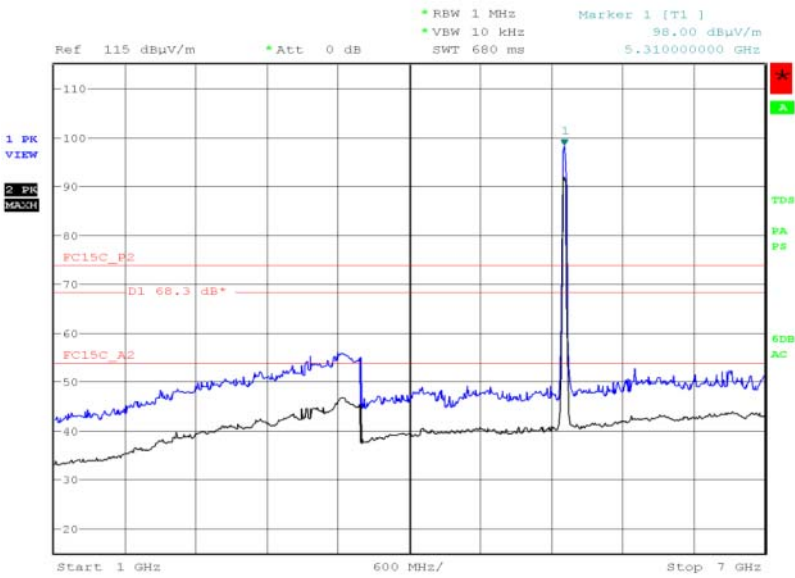


Frequency (MHz)	QP Level (dBµV/m)	QP Level (µV/m)	QP Limit (dBµV/m)	QP Limit (µV/m)	QP Margin (dBµV/m)	QP Margin (µV/m)	Angle (Deg)	Height (m)	Polarity
30.049	30.0	31.6	40.0	100	-10.0	-68.4	0	1.00	Vertical
31.892	29.0	28.2	40.0	100	-11.0	-71.8	0	1.00	Vertical
32.619	28.7	27.2	40.0	100	-11.3	-72.8	0	1.00	Vertical
847.759	32.9	44.2	46.0	200	-13.1	-155.8	0	1.00	Vertical
876.131	33.2	45.7	46.0	200	-12.8	-154.3	0	1.00	Vertical
921.964	33.6	47.9	46.0	200	-12.4	-152.1	180	1.00	Vertical



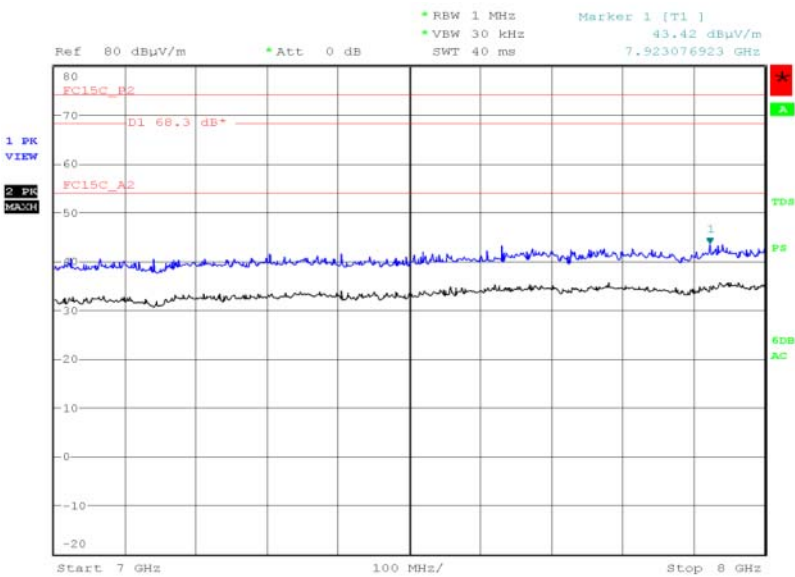
Product Service

1 GHz to 7 GHz



Date: 15.DEC.2014 23:33:47

7 GHz to 8 GHz

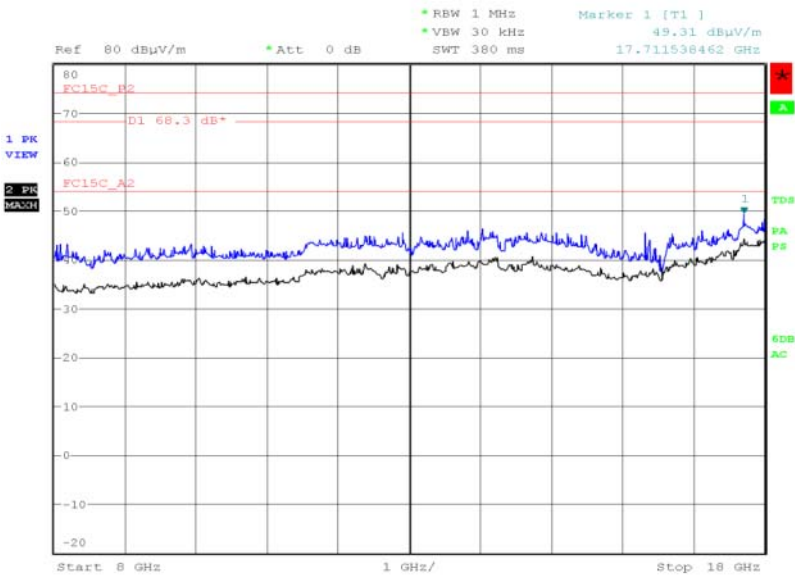


Date: 18.NOV.2014 23:42:58



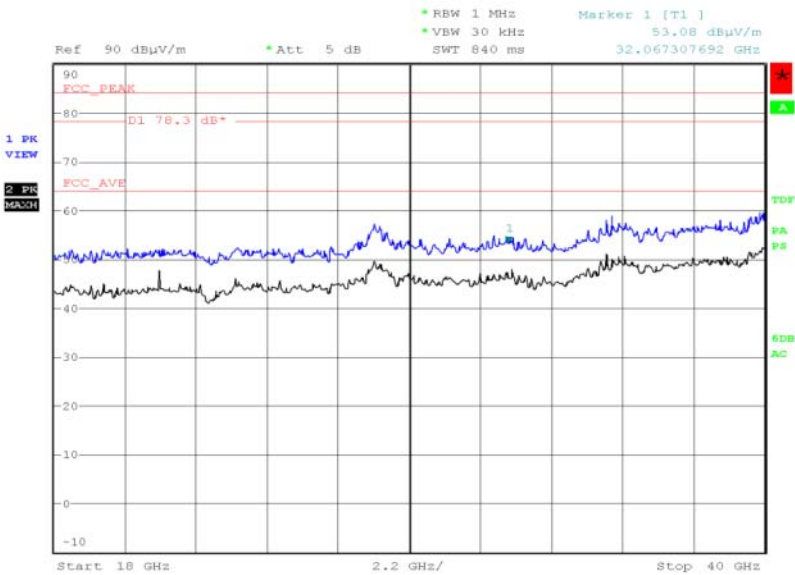
Product Service

8 GHz to 18 GHz



Date: 16.DEC.2014 22:58:11

18 GHz to 40 GHz



Date: 17.DEC.2014 23:36:04

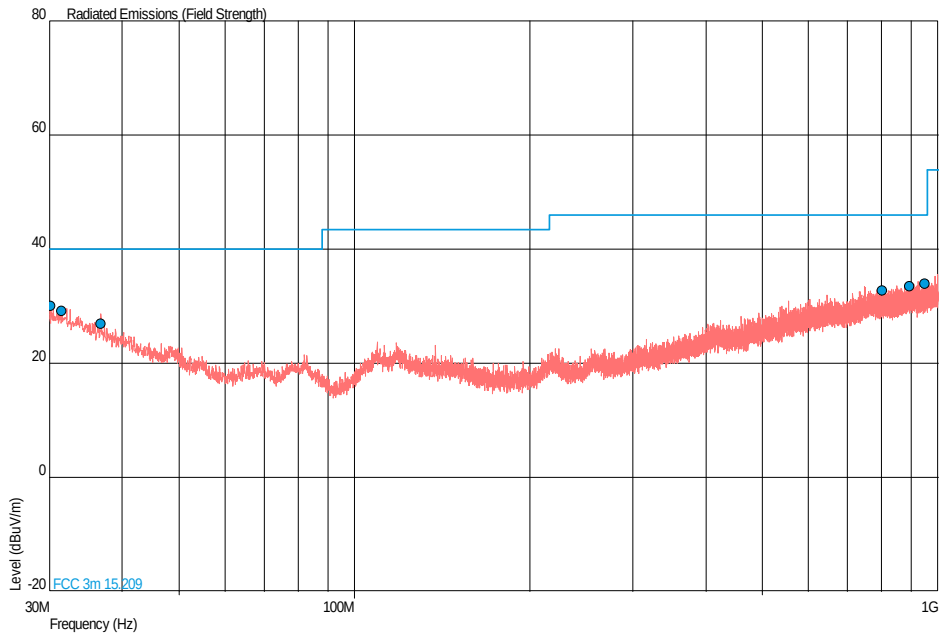


Product Service

Frequency Band 3

5510 MHz

30 MHz to 1 GHz

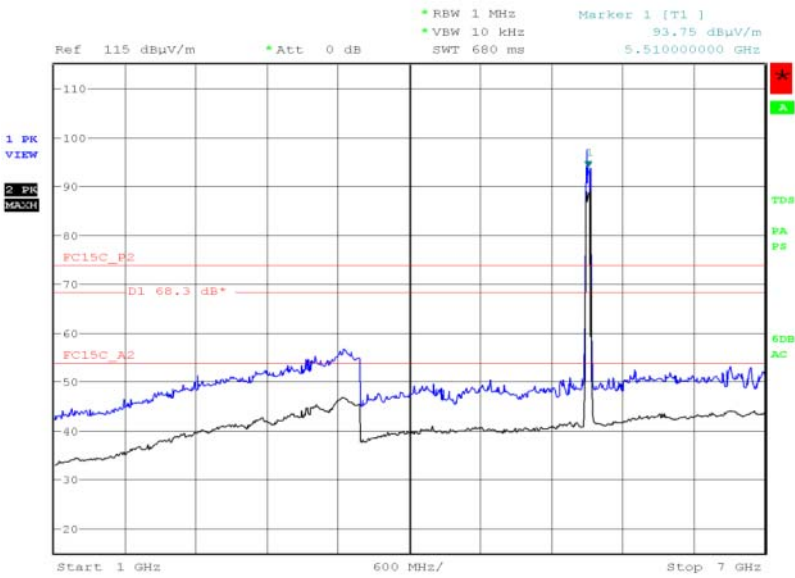


Frequency (MHz)	QP Level (dBμV/m)	QP Level (μV/m)	QP Limit (dBμV/m)	QP Limit (μV/m)	QP Margin (dBμV/m)	QP Margin (μV/m)	Angle (Deg)	Height (m)	Polarity
30.194	30.0	31.6	40.0	100	-10.0	-68.4	180	1.00	Vertical
31.504	29.2	28.8	40.0	100	-10.8	-71.2	0	1.00	Vertical
36.790	26.9	22.1	40.0	100	-13.1	-77.9	180	1.00	Vertical
803.042	32.8	43.7	46.0	200	-13.2	-156.3	180	1.00	Vertical
892.864	33.6	47.9	46.0	200	-12.4	-152.1	0	1.00	Vertical
949.512	33.9	49.5	46.0	200	-12.1	-150.5	180	1.00	Vertical



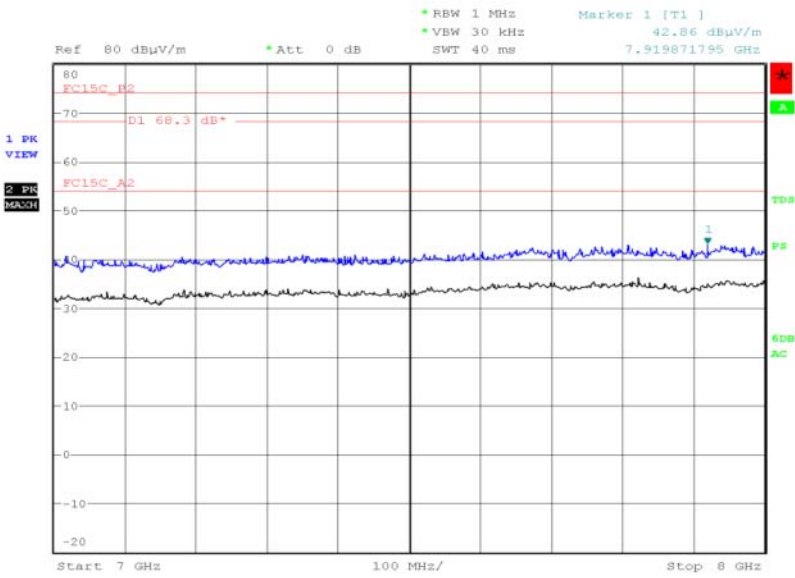
Product Service

1 GHz to 7 GHz



Date: 15.DEC.2014 22:03:54

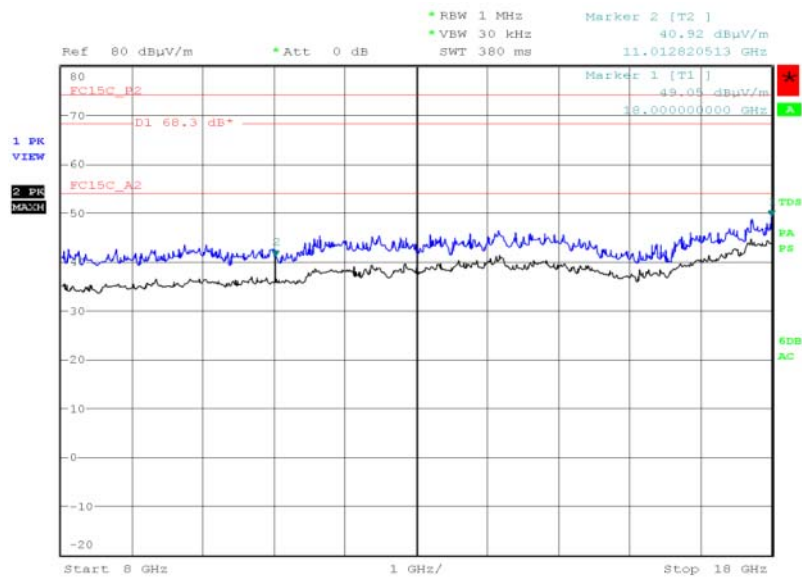
7 GHz to 8 GHz



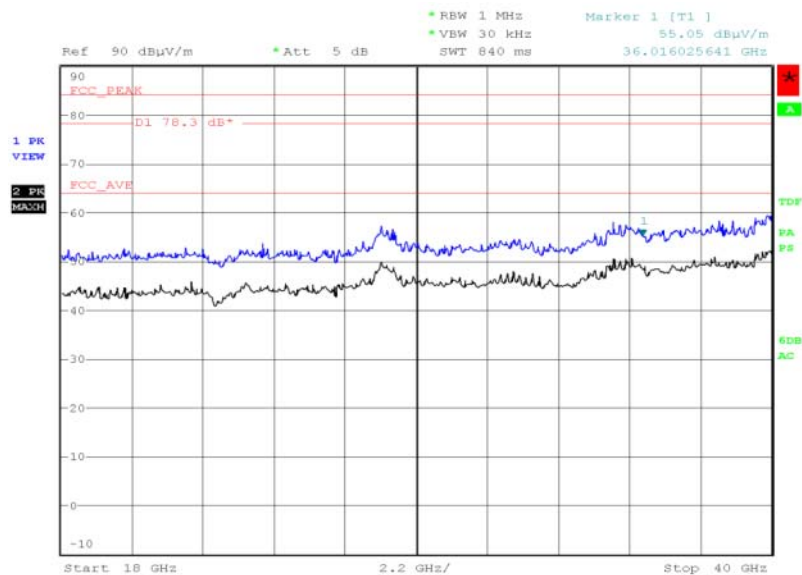
Date: 18.NOV.2014 23:46:22



Product Service

8 GHz to 18 GHz

Date: 16.DEC.2014 23:10:00

18 GHz to 40 GHz

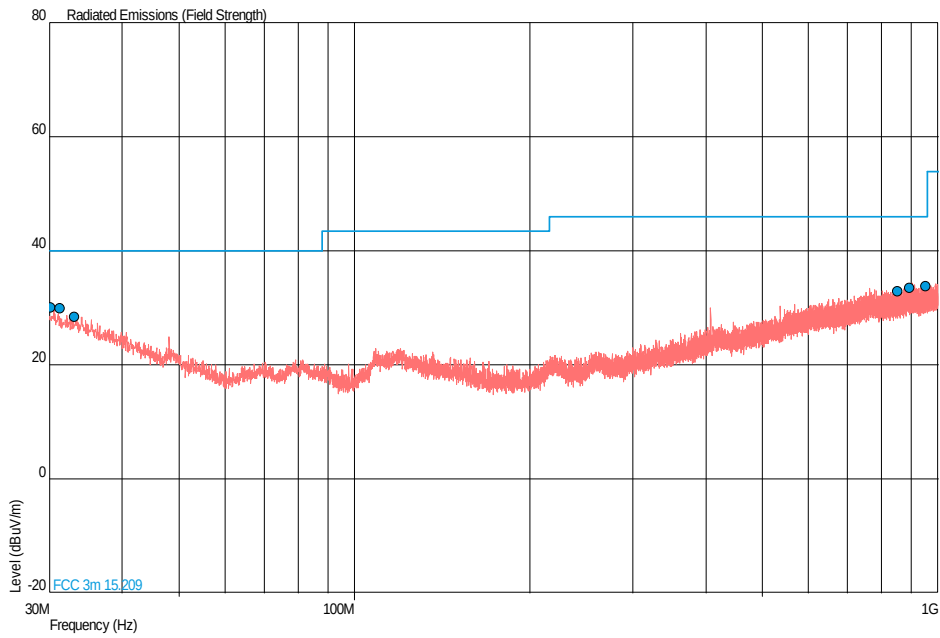
Date: 17.DEC.2014 23:41:31



Product Service

5590 MHz

30 MHz to 1 GHz

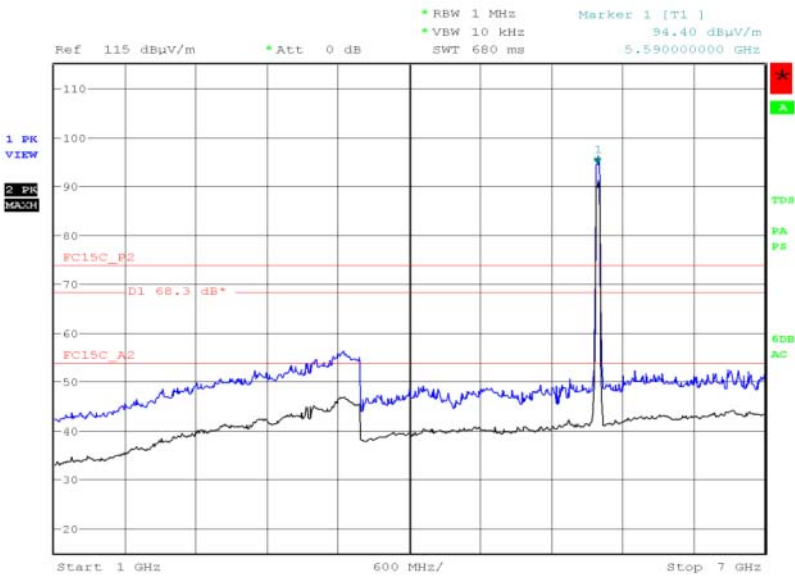


Frequency (MHz)	QP Level (dBµV/m)	QP Level (µV/m)	QP Limit (dBµV/m)	QP Limit (µV/m)	QP Margin (dBµV/m)	QP Margin (µV/m)	Angle (Deg)	Height (m)	Polarity
30.194	30.1	32.0	40.0	100	-9.9	-68.0	0	1.00	Vertical
31.261	30.0	31.6	40.0	100	-10.0	-68.4	0	1.00	Vertical
33.153	28.4	26.3	40.0	100	-11.6	-73.7	180	1.00	Vertical
853.239	32.9	44.2	46.0	200	-13.1	-155.8	0	1.00	Vertical
892.767	33.5	47.3	46.0	200	-12.5	-152.7	0	1.00	Vertical
951.646	33.8	49.0	46.0	200	-12.2	-151.0	180	1.00	Vertical



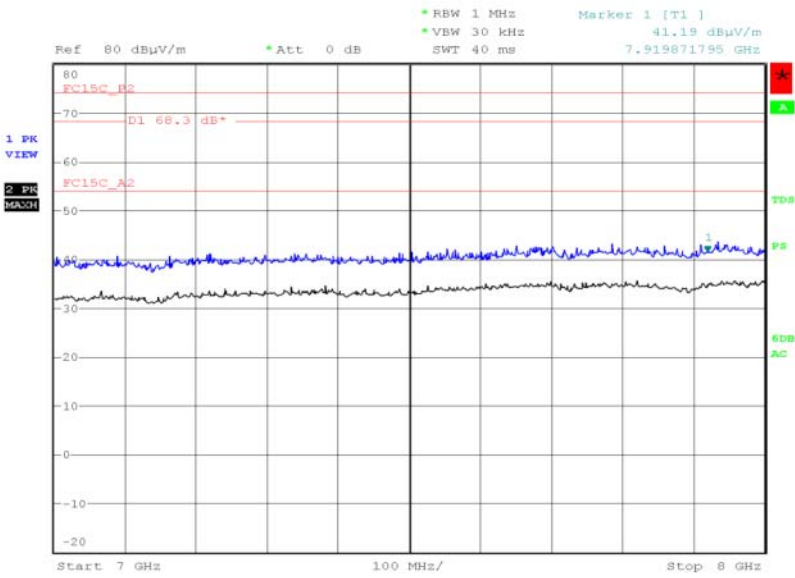
Product Service

1 GHz to 7 GHz



Date: 15.DEC.2014 22:24:22

7 GHz to 8 GHz

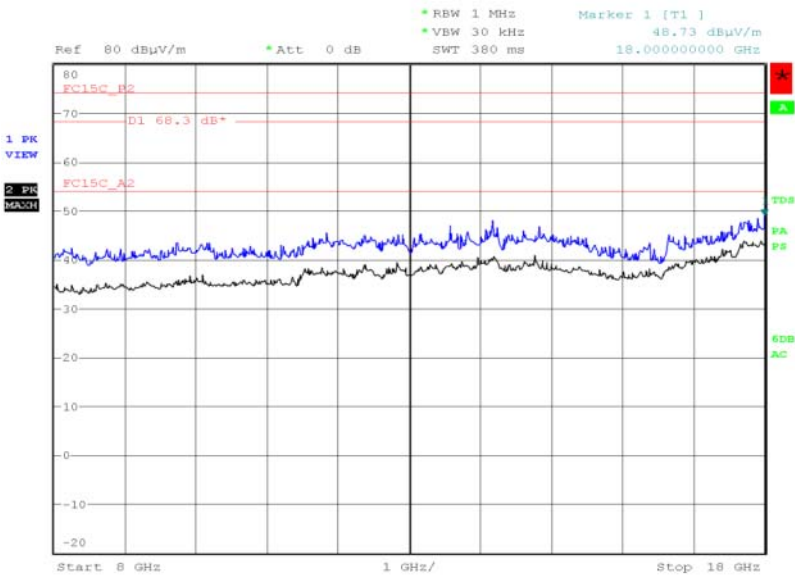


Date: 18.NOV.2014 23:50:50



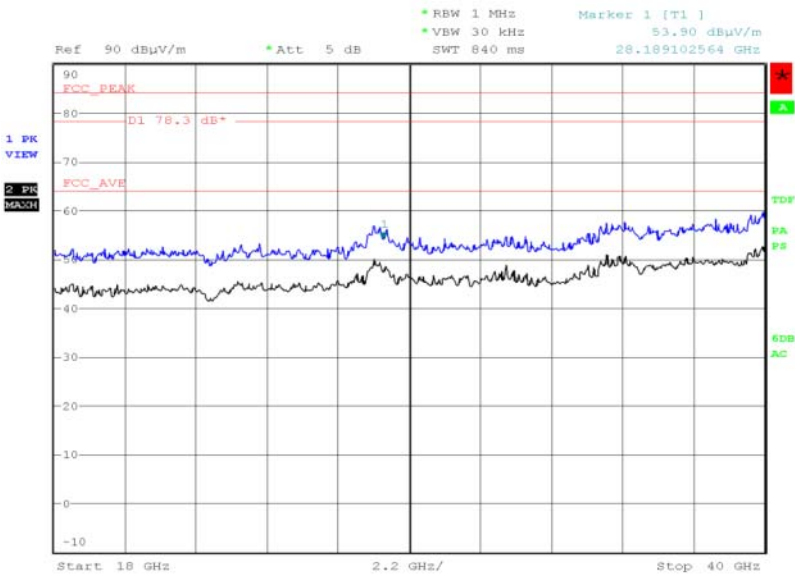
Product Service

8 GHz to 18 GHz



Date: 16.DEC.2014 23:18:24

18 GHz to 40 GHz



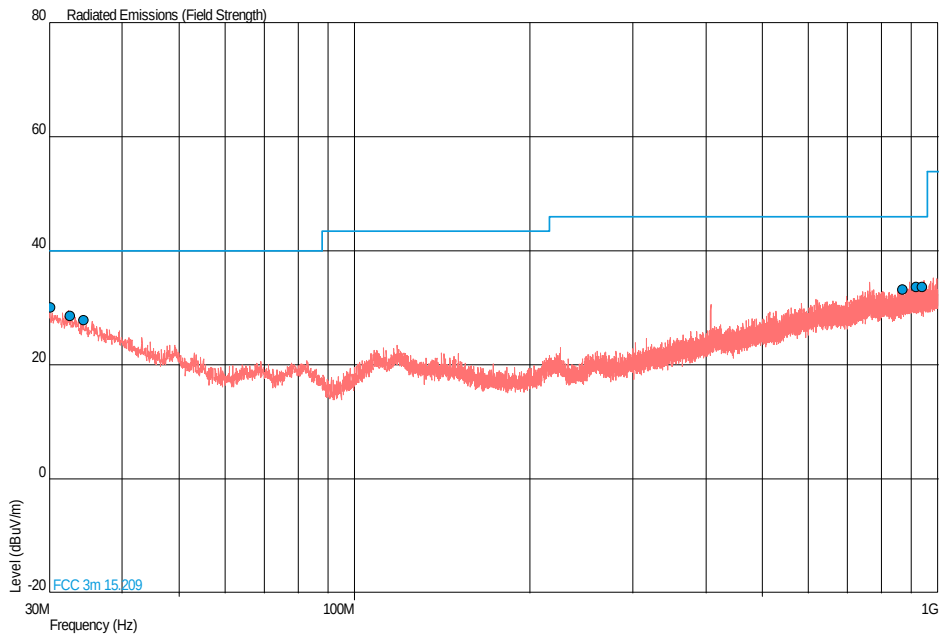
Date: 17.DEC.2014 23:47:40



Product Service

5670 MHz

30 MHz to 1 GHz

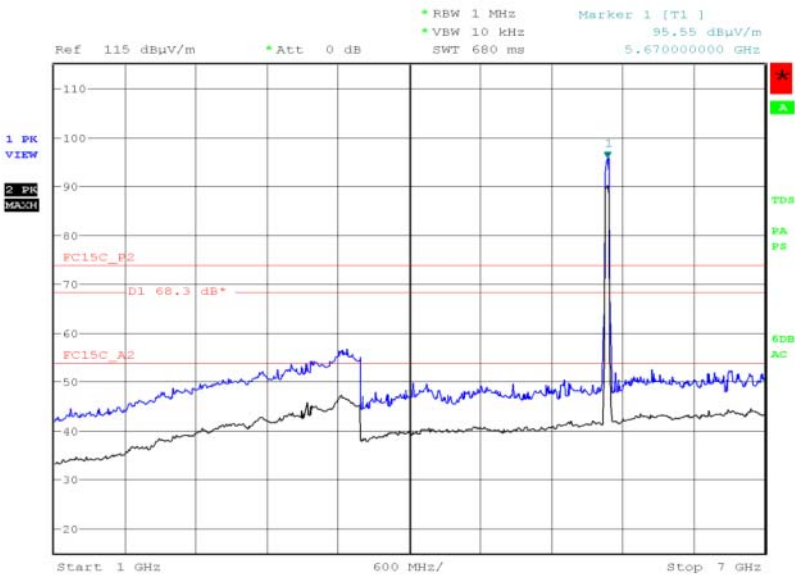


Frequency (MHz)	QP Level (dBµV/m)	QP Level (µV/m)	QP Limit (dBµV/m)	QP Limit (µV/m)	QP Margin (dBµV/m)	QP Margin (µV/m)	Angle (Deg)	Height (m)	Polarity
30.194	30.1	32.0	40.0	100	-9.9	-68.0	180	1.00	Vertical
32.619	28.6	26.9	40.0	100	-11.4	-73.1	180	1.00	Vertical
34.317	27.9	24.8	40.0	100	-12.1	-75.2	180	1.00	Vertical
869.535	33.2	45.7	46.0	200	-12.8	-154.3	180	1.00	Vertical
916.871	33.7	48.4	46.0	200	-12.3	-151.6	0	1.00	Vertical
939.909	33.7	48.4	46.0	200	-12.3	-151.6	0	1.00	Vertical



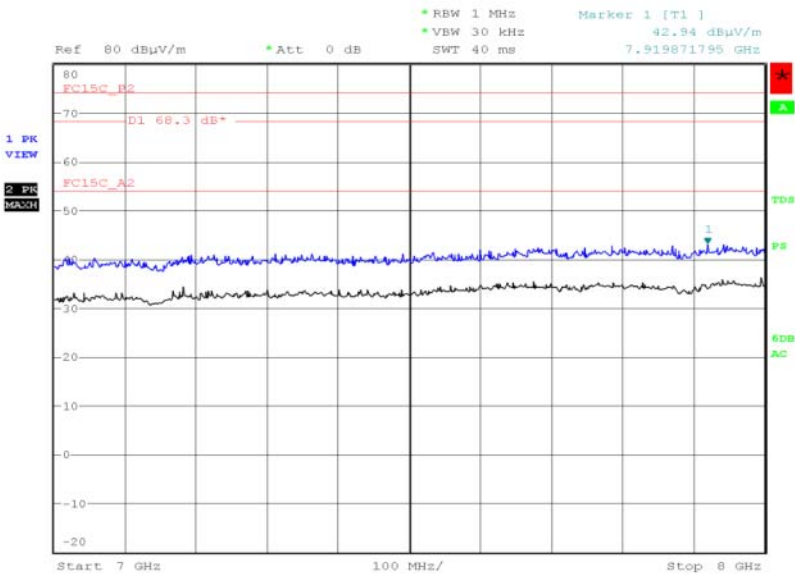
Product Service

1 GHz to 7 GHz



Date: 15.DEC.2014 23:26:57

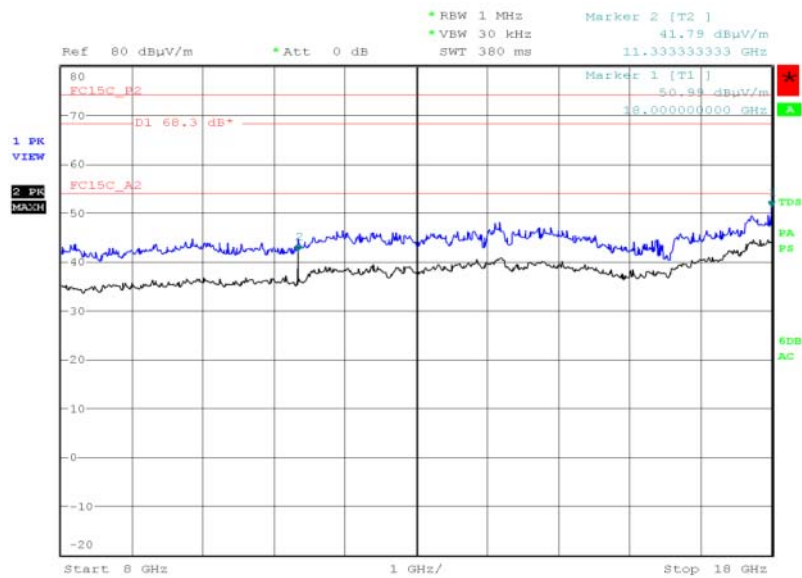
7 GHz to 8 GHz



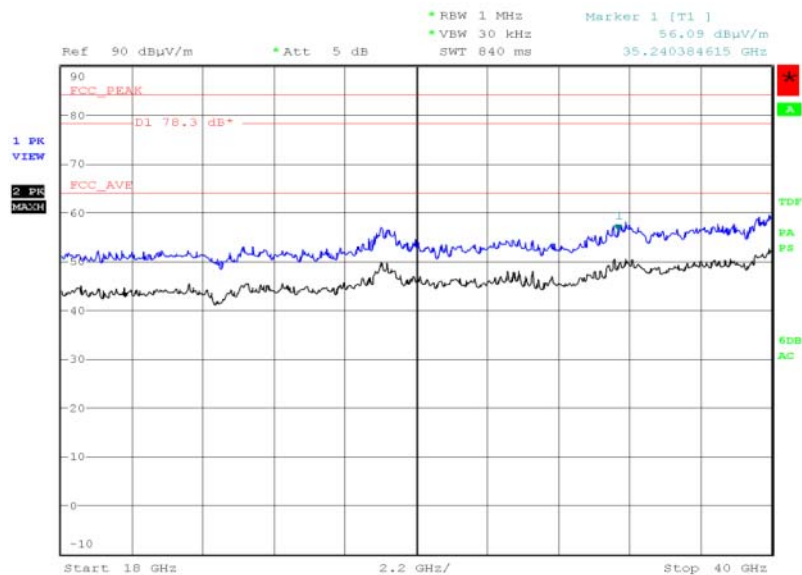
Date: 18.NOV.2014 23:53:44



Product Service

8 GHz to 18 GHz

Date: 16.DEC.2014 23:30:43

18 GHz to 40 GHz

Date: 17.DEC.2014 23:53:16

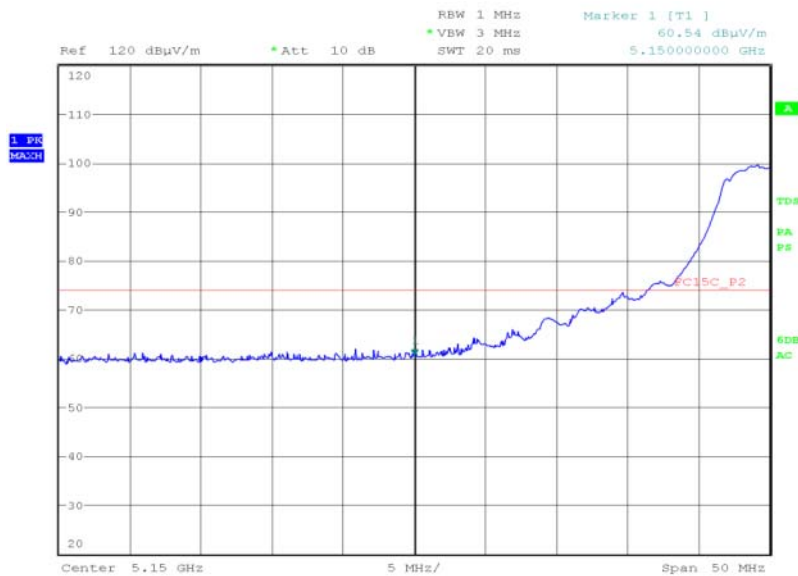


Product Service

Band Edge

Modulation/Data Rate: OFDM/MCS1

Restricted Bands of Operation		
Frequency (MHz)	Final Peak (dB μ V/m)	Final Average (dB μ V/m)
5150.00	60.54	50.31
5350.00	62.18	51.46
5460.00	60.82	50.70

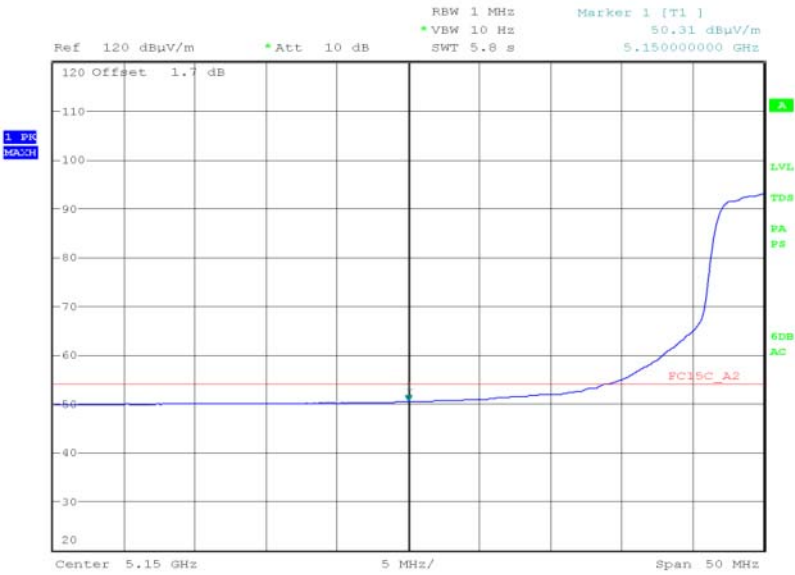
5150.00 MHzFinal Peak

Date: 14.DEC.2014 16:09:41



Product Service

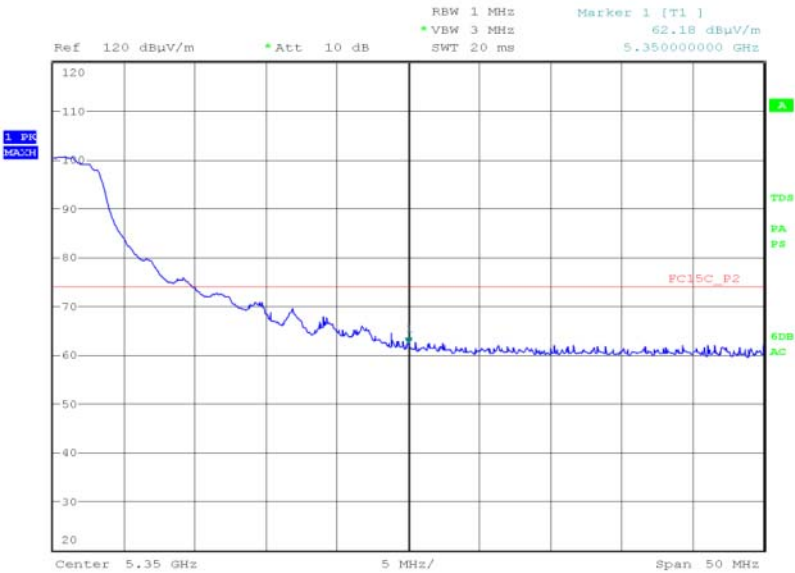
Final Average



Date: 14.DEC.2014 16:10:37

5350.00 MHz

Final Peak

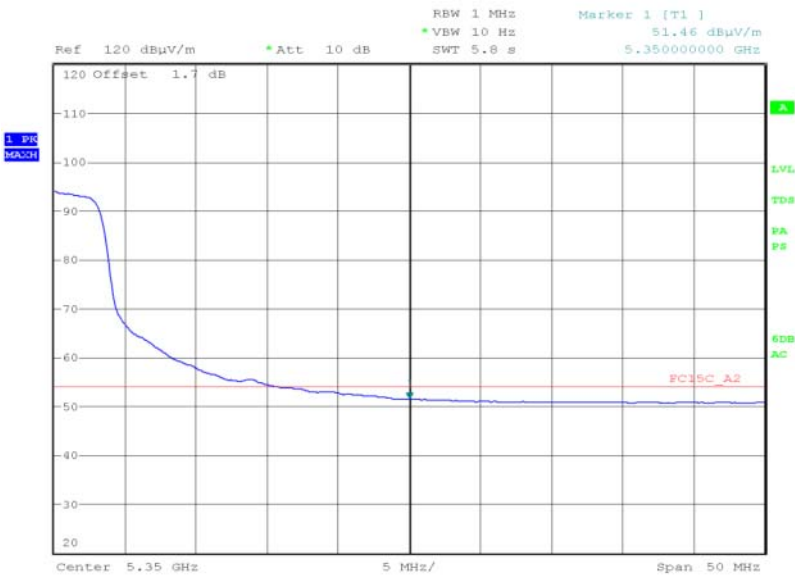


Date: 14.DEC.2014 16:16:25



Product Service

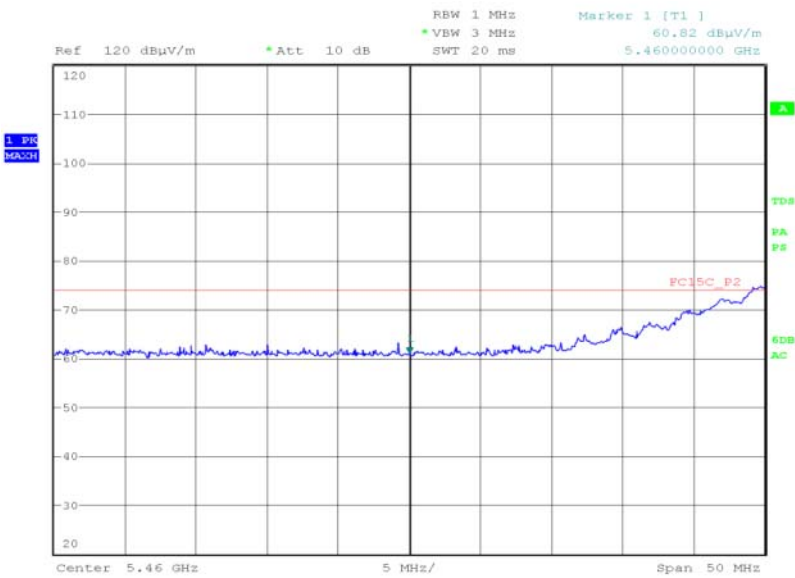
Final Average



Date: 14.DEC.2014 16:15:21

5460.00 MHz

Final Peak

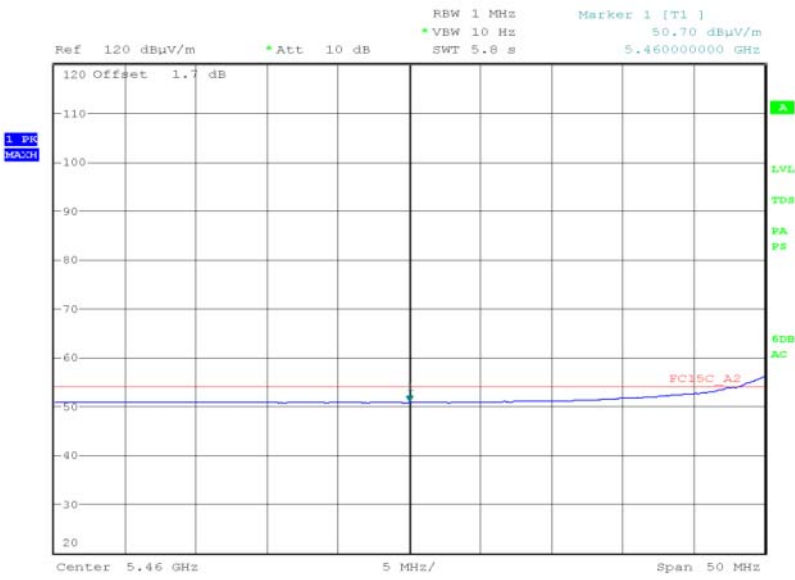


Date: 14.DEC.2014 16:24:02



Product Service

Final Average

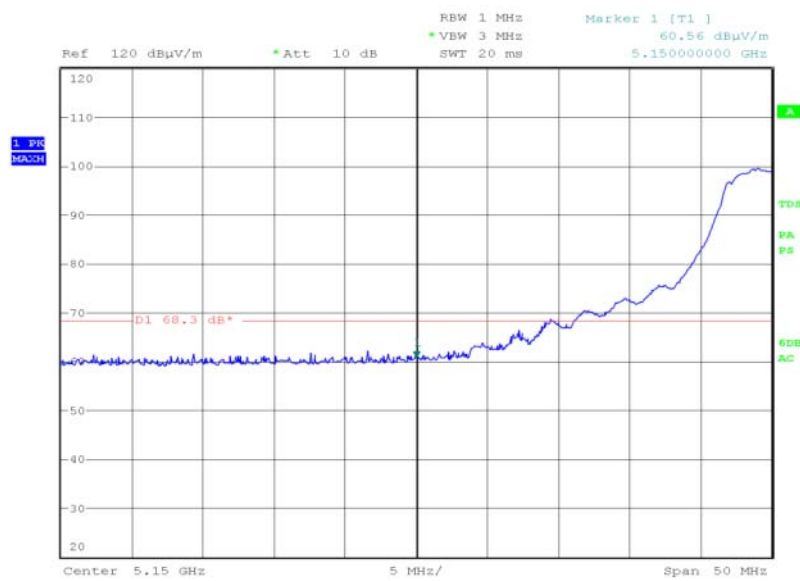


Date: 14.DEC.2014 16:25:34



Product Service

Band Edge	
Frequency (MHz)	Final Peak (dBm)
5150.00	-34.64
5350.00	-33.65
5470.00	-30.75
5725.00	-34.46

5150.00 MHzFinal Peak

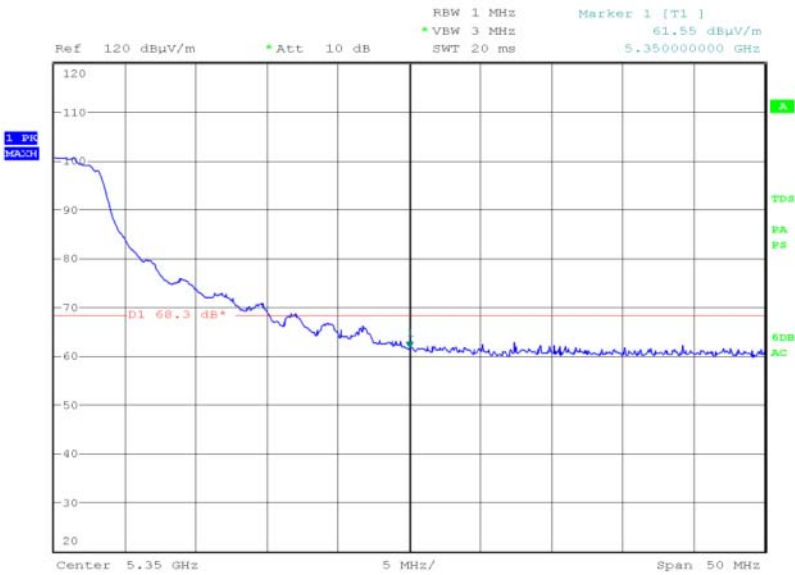
Date: 14.DEC.2014 16:08:23



Product Service

5350.00 MHz

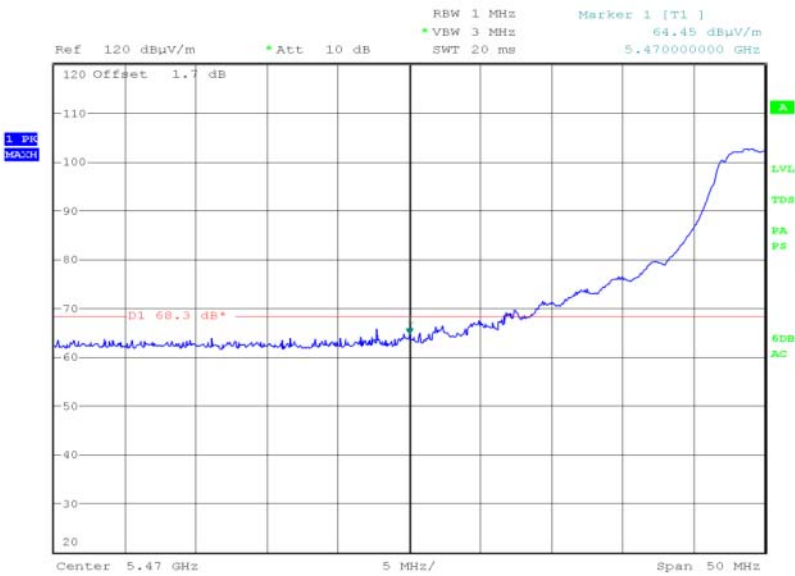
Final Peak



Date: 14.DEC.2014 16:17:20

5470.00 MHz

Final Peak



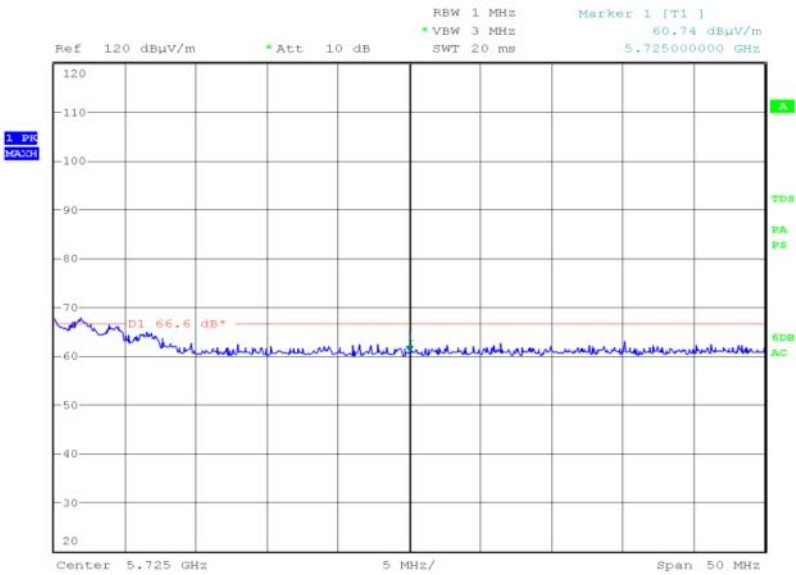
Date: 14.DEC.2014 16:26:40



Product Service

5725.00 MHz

Final Peak

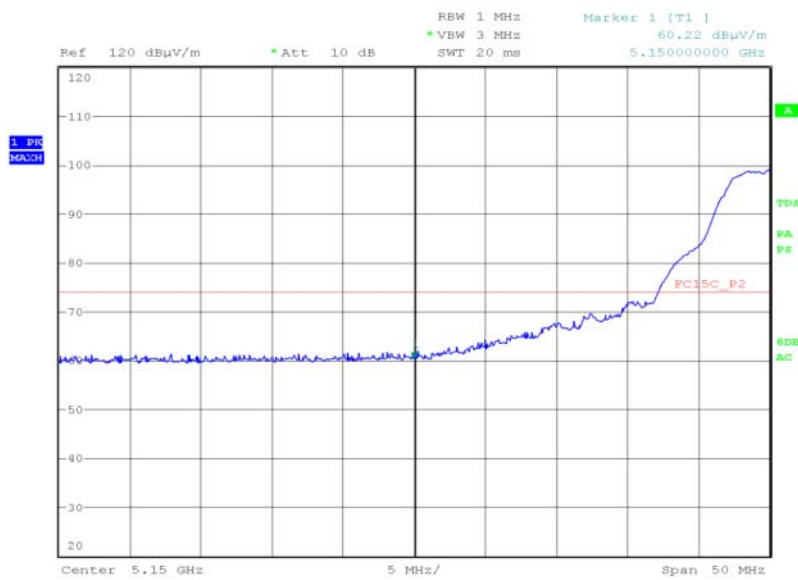


Date: 14.DEC.2014 16:31:53



Modulation/Data Rate: OFDM/MCS0

Restricted Bands of Operation		
Frequency (MHz)	Final Peak (dB μ V/m)	Final Average (dB μ V/m)
5150.00	60.22	49.00
5350.00	61.49	49.88
5460.00	61.02	49.41

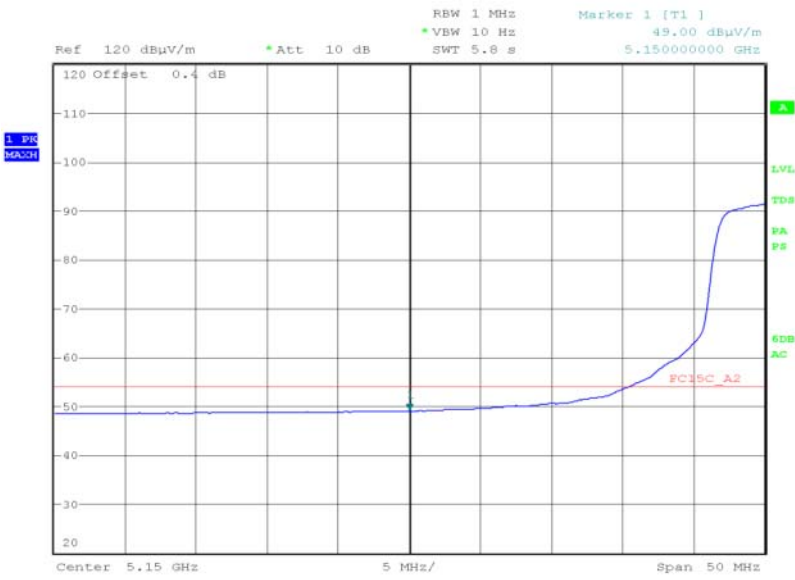
5150.00 MHzFinal Peak

Date: 14.DEC.2014 16:39:07



Product Service

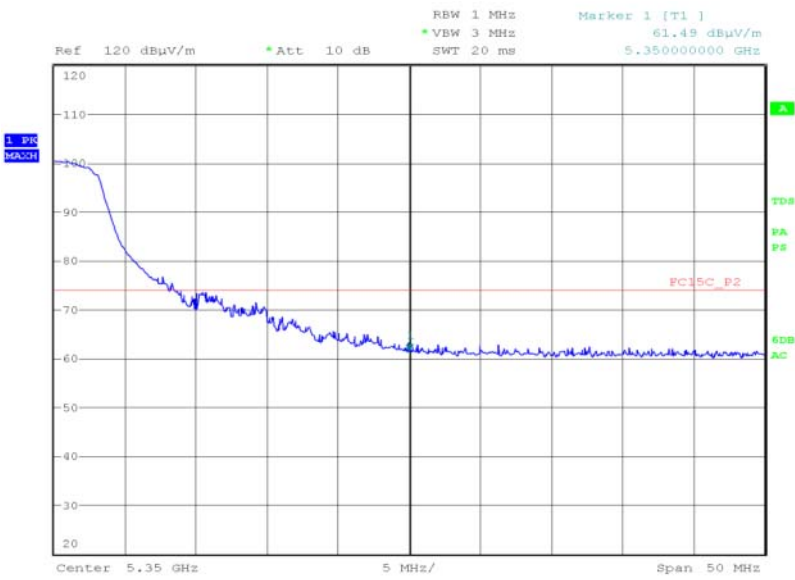
Final Average



Date: 14.DEC.2014 16:53:26

5350.00 MHz

Final Peak

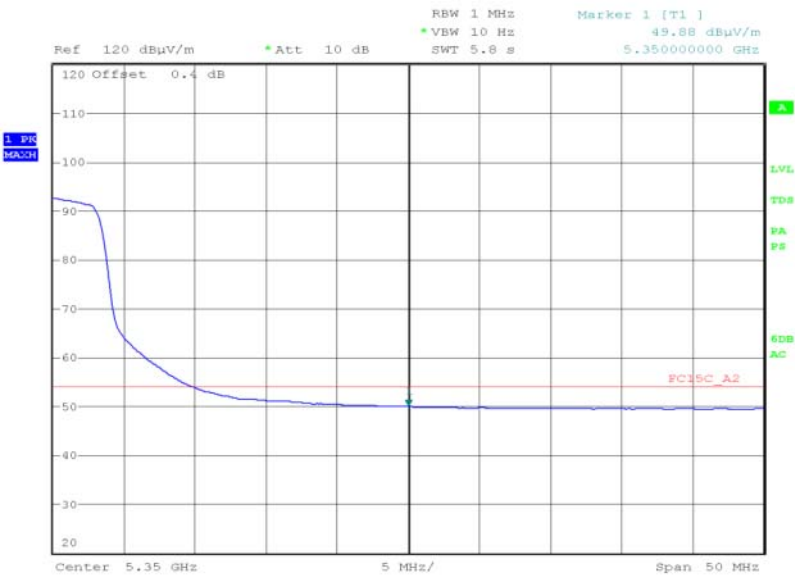


Date: 14.DEC.2014 16:49:50



Product Service

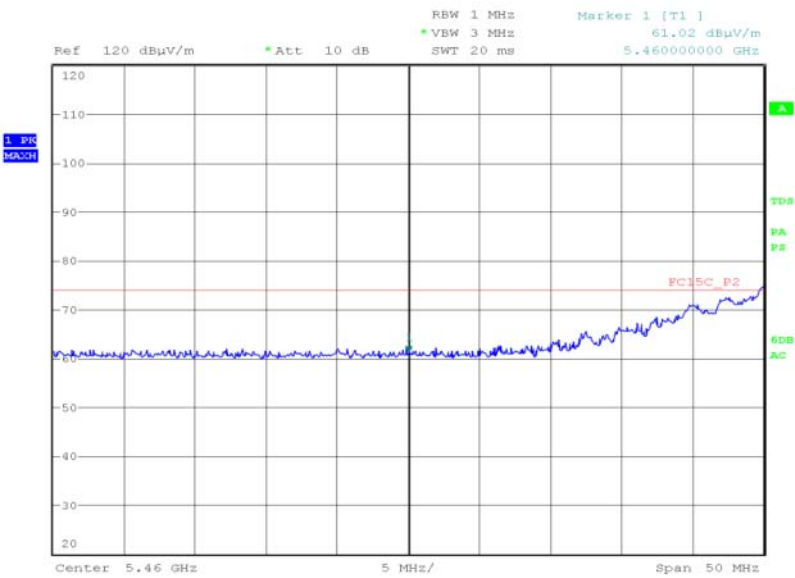
Final Average



Date: 14.DEC.2014 16:46:35

5460.00 MHz

Final Peak

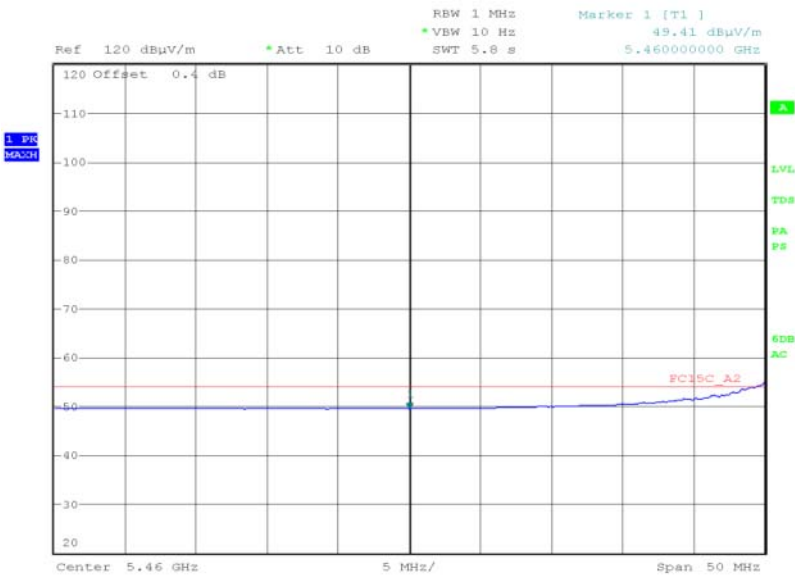


Date: 14.DEC.2014 16:58:22



Product Service

Final Average

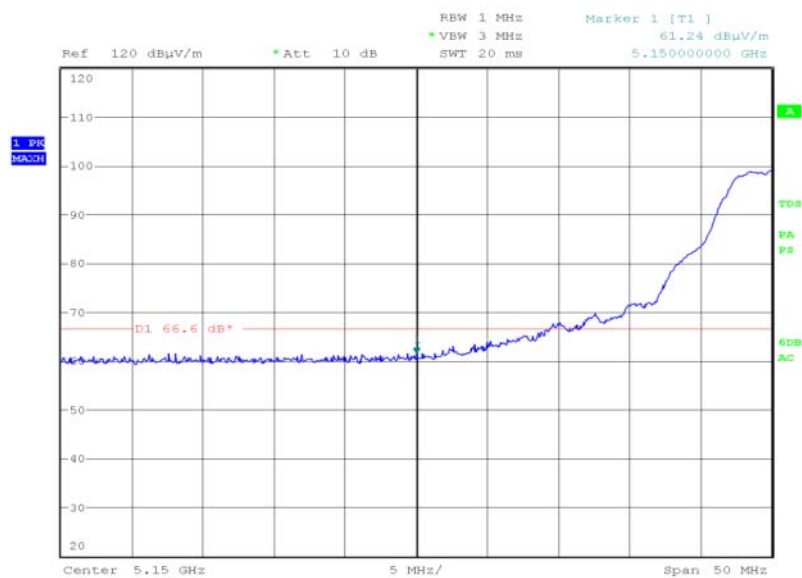


Date: 14.DEC.2014 16:57:13



Product Service

Band Edge	
Frequency (MHz)	Final Peak (dBm)
5150.00	-33.65
5350.00	-32.45
5470.00	-32.43
5725.00	-33.82

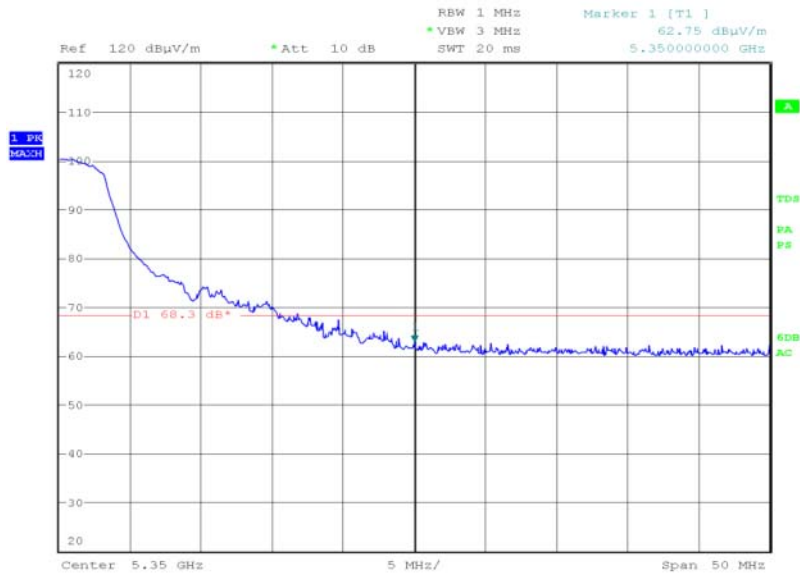
5150.00 MHzFinal Peak

Date: 14.DEC.2014 16:36:58



5350.00 MHz

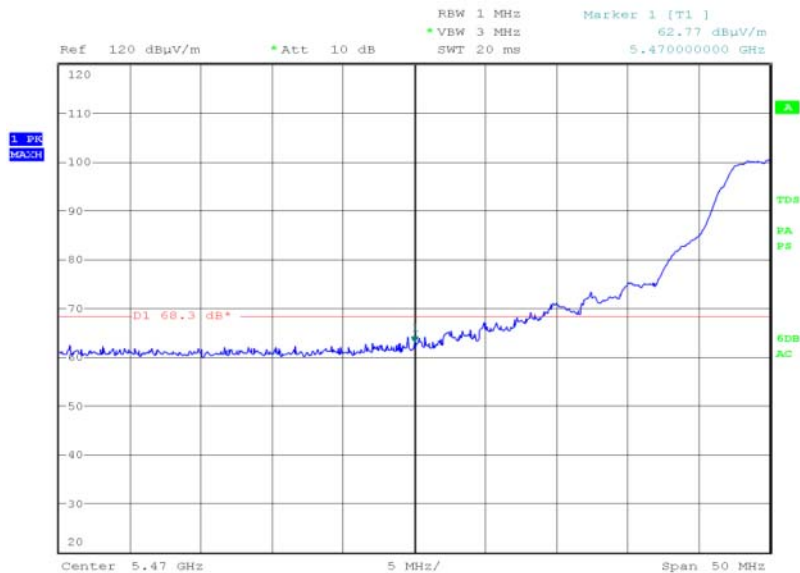
Final Peak



Date: 14.DEC.2014 16:50:58

5470.00 MHz

Final Peak



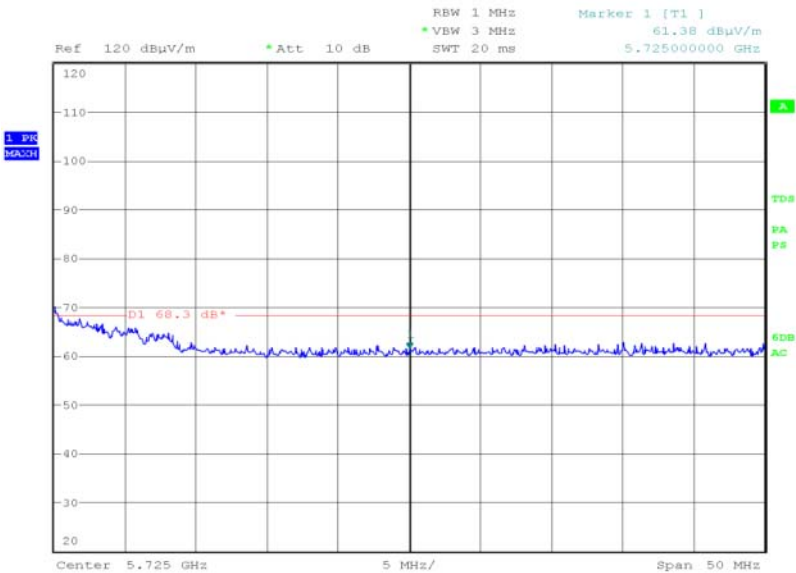
Date: 14.DEC.2014 16:59:35



Product Service

5725.00 MHz

Final Peak



Date: 14.DEC.2014 17:03:14

Remark

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

The test was performed on MCS1 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

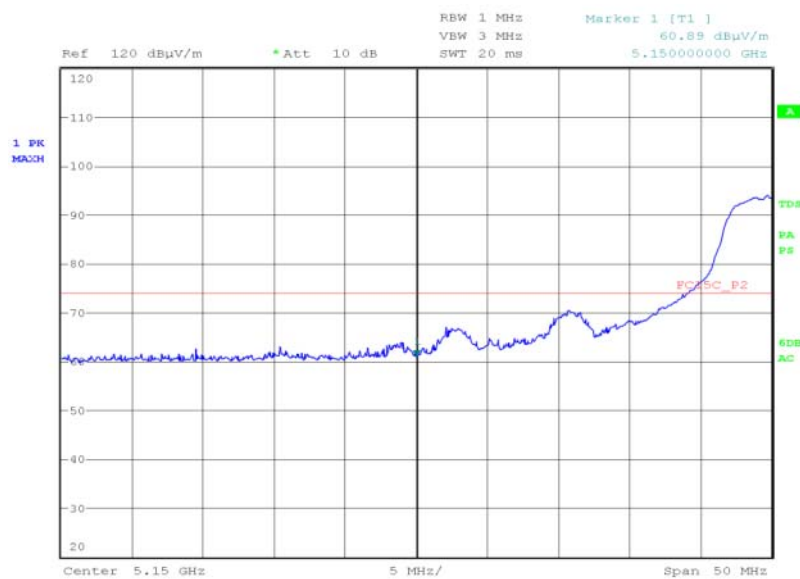
802.11(ac) - 5 GHz 80 MHz BW

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	60.89	49.35
5350.00	62.71	50.27
5460.00	61.70	49.89

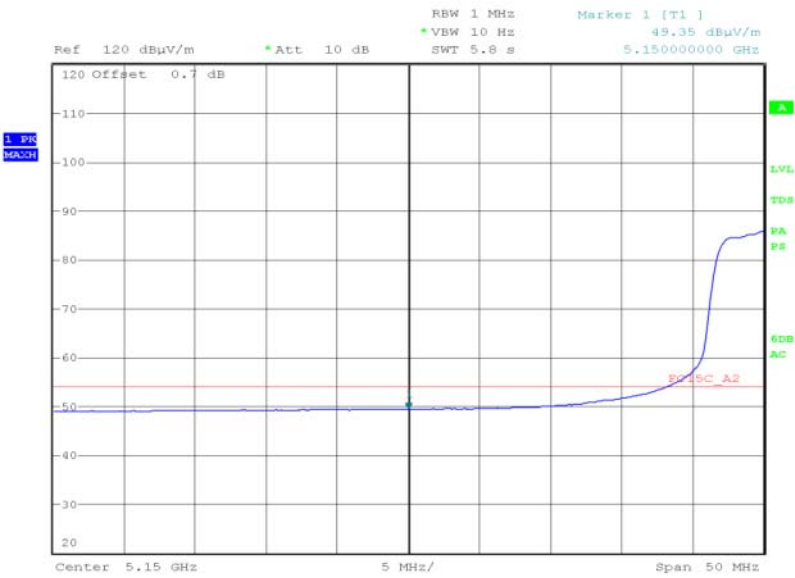
5150.00 MHzFinal Peak

Date: 14.DEC.2014 15:10:16



Product Service

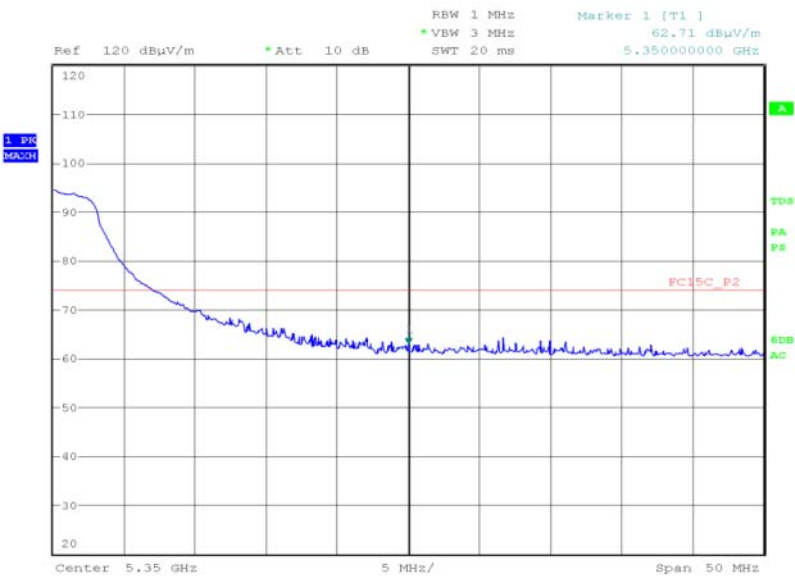
Final Average



Date: 14.DEC.2014 15:13:24

5350.00 MHz

Final Peak

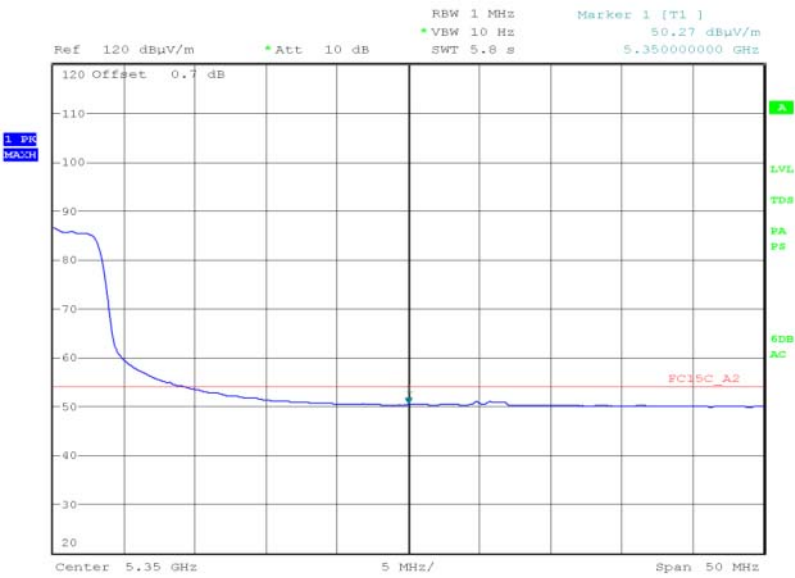


Date: 14.DEC.2014 15:22:31



Product Service

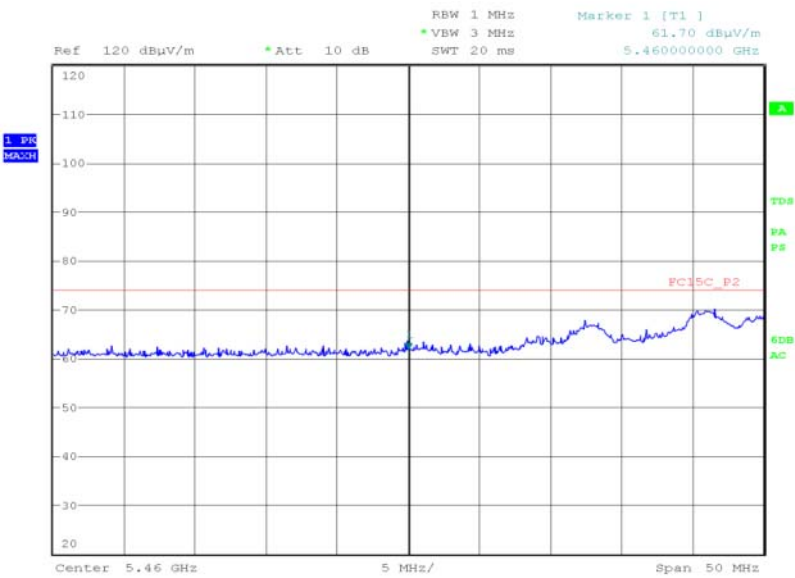
Final Average



Date: 14.DEC.2014 15:23:39

5460.00 MHz

Final Peak

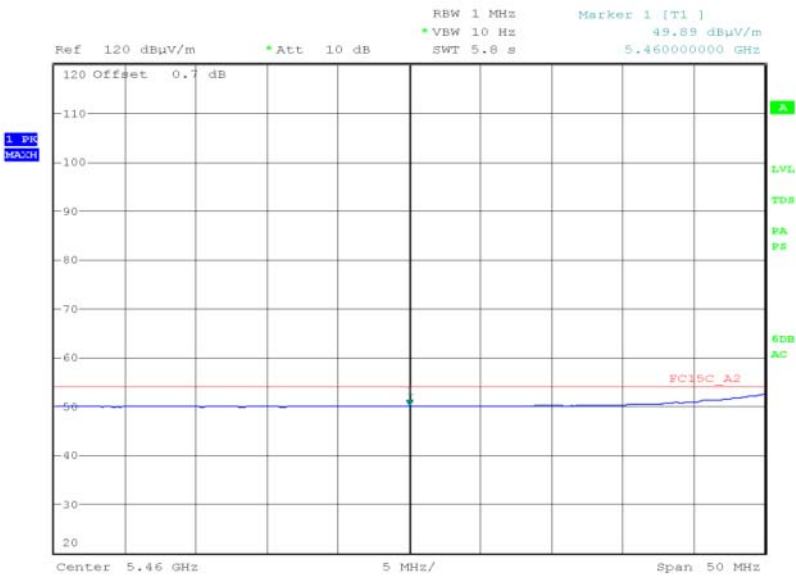


Date: 14.DEC.2014 15:31:21



Product Service

Final Average

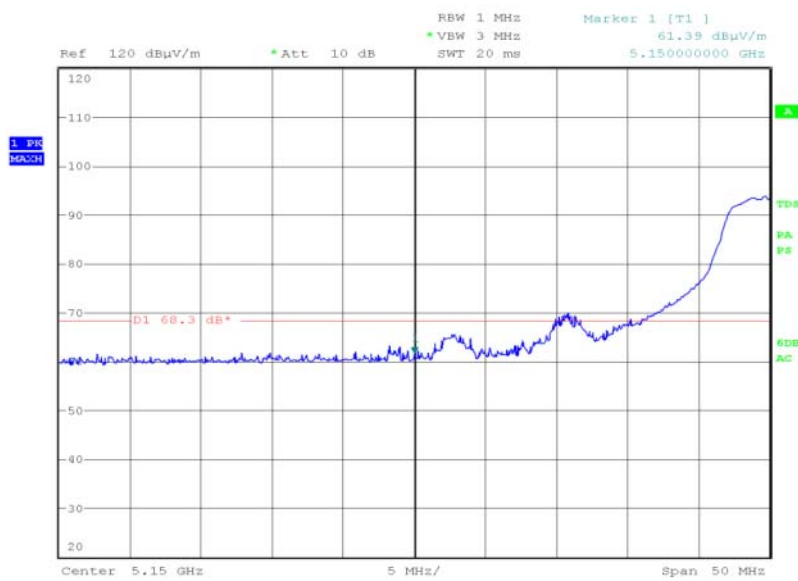


Date: 14.DEC.2014 15:29:49



Band Edge	
Frequency (MHz)	Final Peak (dBm)
5150.00	-33.81
5350.00	-33.58
5470.00	-31.59
5725.00	-34.11

5150.00 MHz

Final Peak

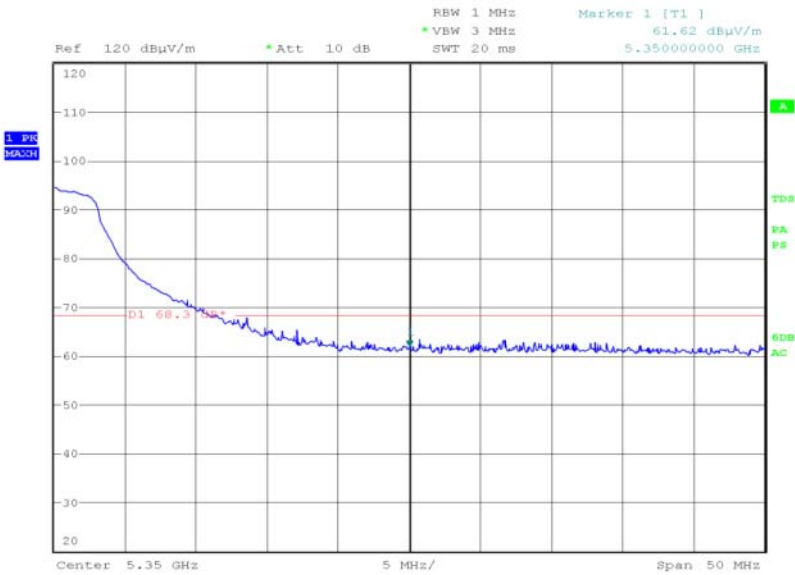
Date: 14.DEC.2014 15:15:23



Product Service

5350.00 MHz

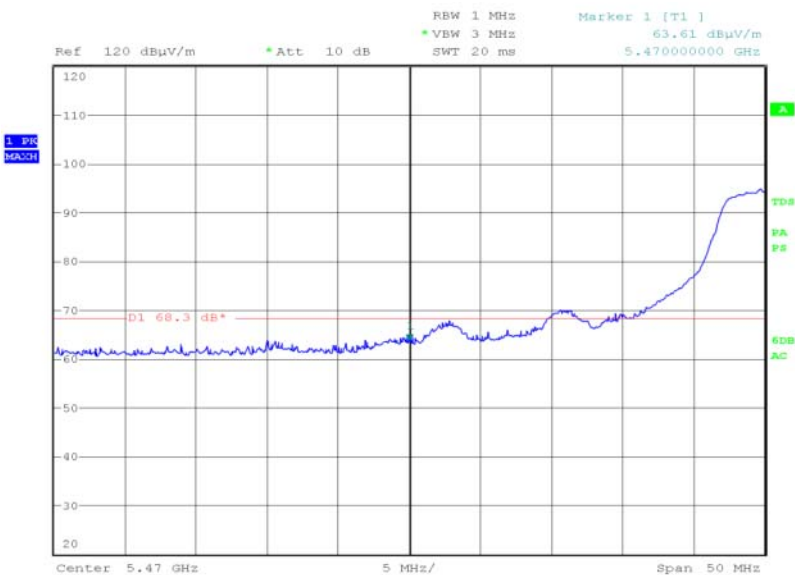
Final Peak



Date: 14.DEC.2014 15:21:35

5470.00 MHz

Final Peak



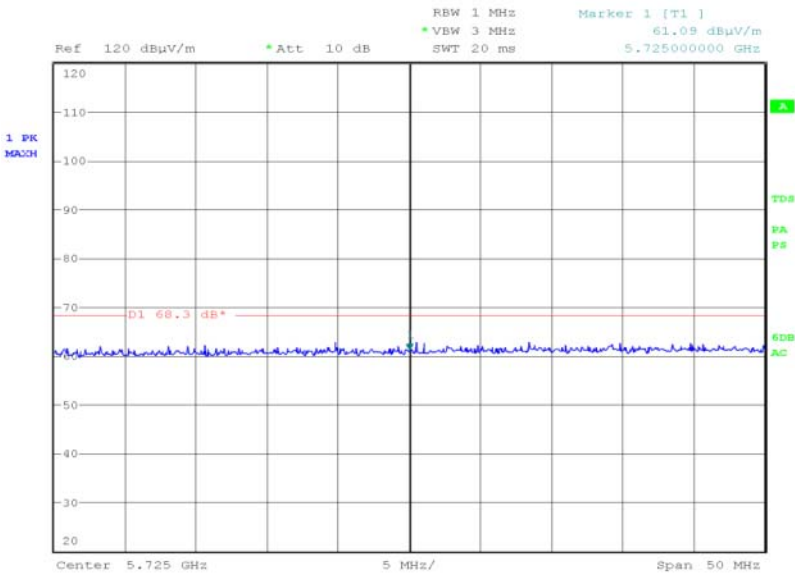
Date: 14.DEC.2014 15:33:21



Product Service

5725.00 MHz

Final Peak



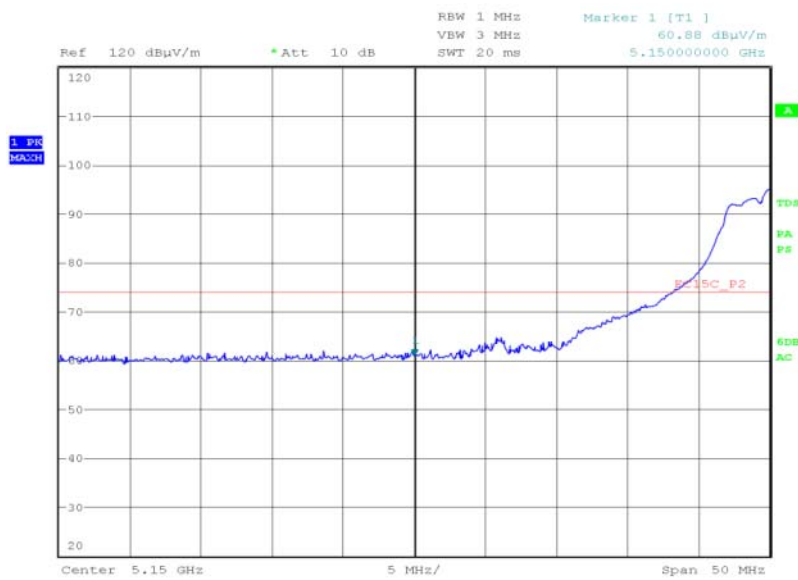
Date: 14.DEC.2014 15:48:26



Product Service

Modulation/Data Rate: OFDM/MCS5

Restricted Bands of Operation		
Frequency (MHz)	Final Peak (dB μ V/m)	Final Average (dB μ V/m)
5150.00	60.88	50.61
5350.00	60.43	51.30
5460.00	61.65	51.17

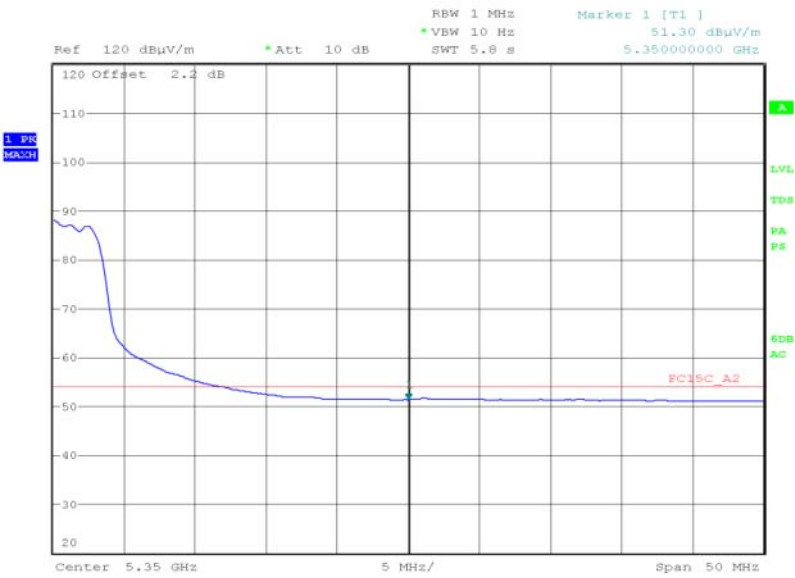
5150.00 MHzFinal Peak

Date: 14.DEC.2014 12:31:57



Product Service

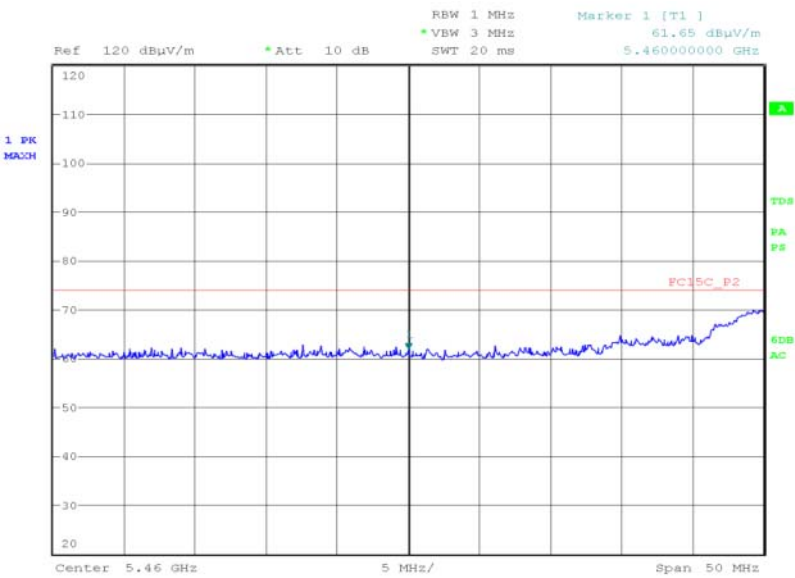
Final Average



Date: 14.DEC.2014 12:42:54

5460.00 MHz

Final Peak

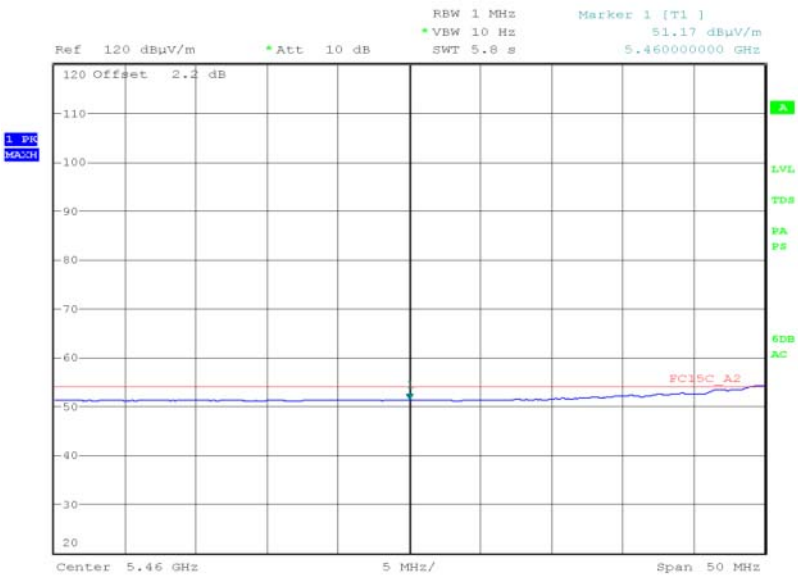


Date: 14.DEC.2014 12:49:10



Product Service

Final Average

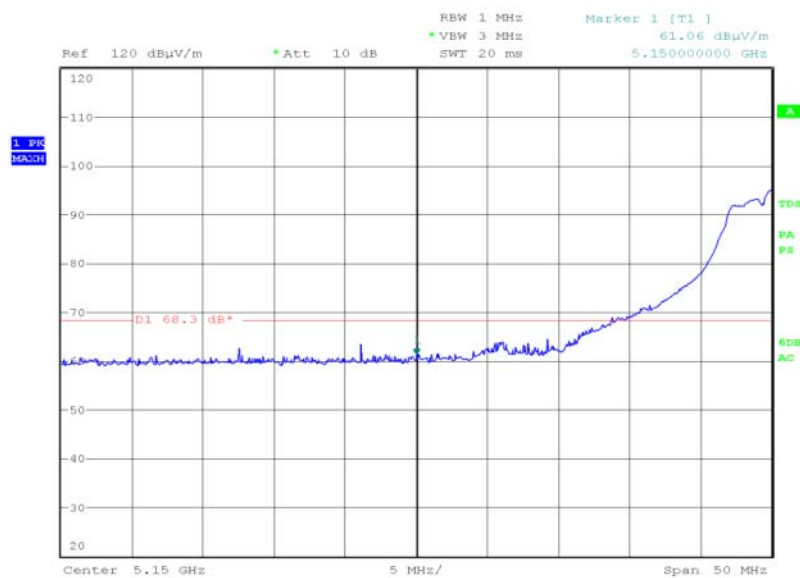


Date: 14.DEC.2014 12:48:18



Product Service

Band Edge	
Frequency (MHz)	Final Peak (dBm)
5150.00	-33.58
5350.00	-34.71
5470.00	-33.49
5725.00	-34.47

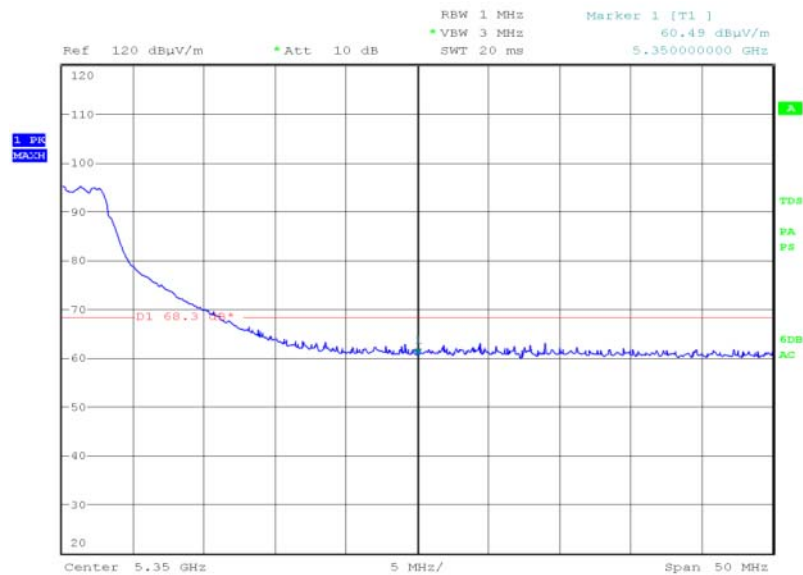
5150.00 MHzFinal Peak

Date: 14.DEC.2014 12:34:56



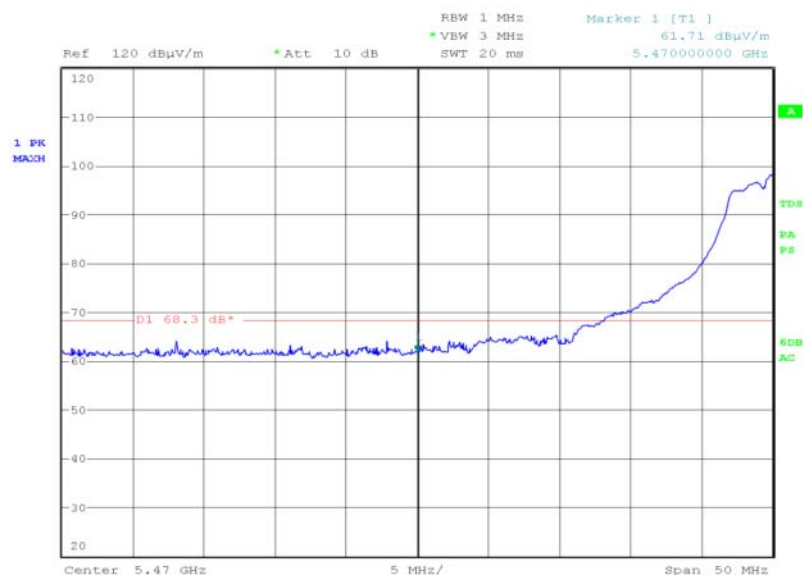
5350.00 MHz

Final Peak



Date: 14.DEC.2014 12:39:49

5470.00 MHz

Final Peak

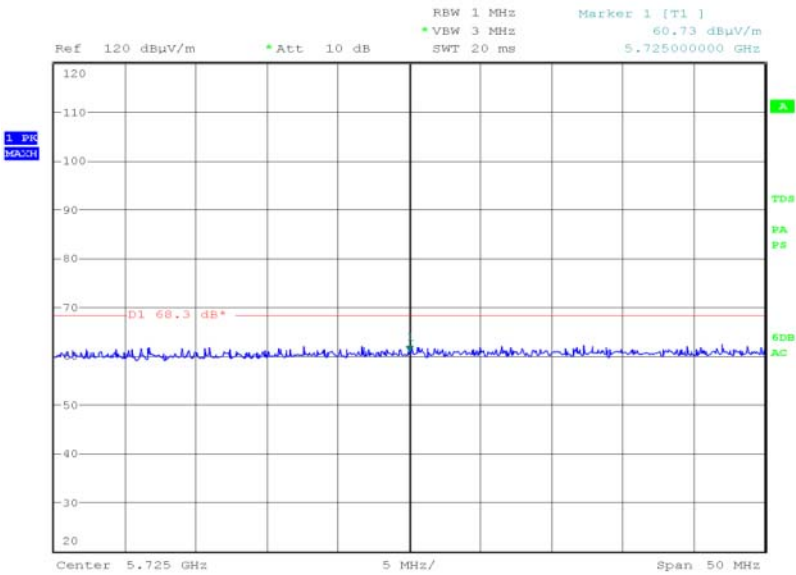
Date: 14.DEC.2014 12:52:49



Product Service

5725.00 MHz

Final Peak



Date: 14.DEC.2014 12:57:14

Remark

The test was performed on MCS5 because this was deemed the worst case data rate for 26 dB Bandwidth.

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

Limit

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



802.11(n) - 5 GHz 20 MHz BW

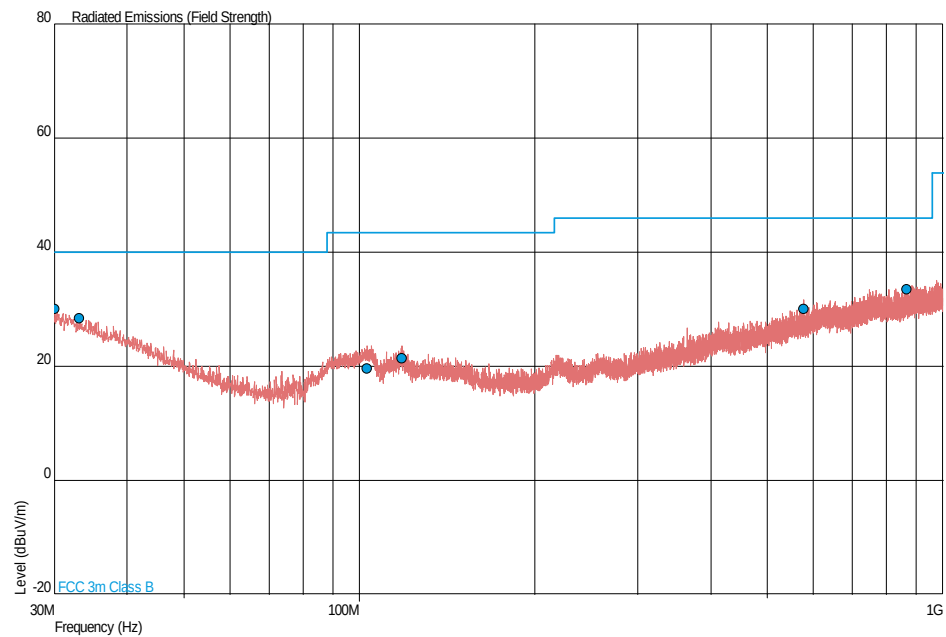
4.0 V DC Supply

Spurious Radiated Emissions

Frequency Band 1

5180 MHz

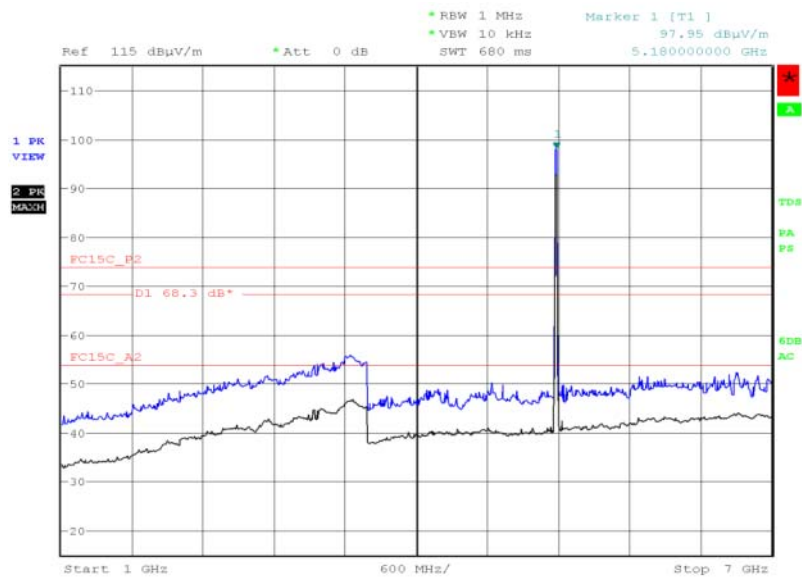
30 MHz to 1 GHz



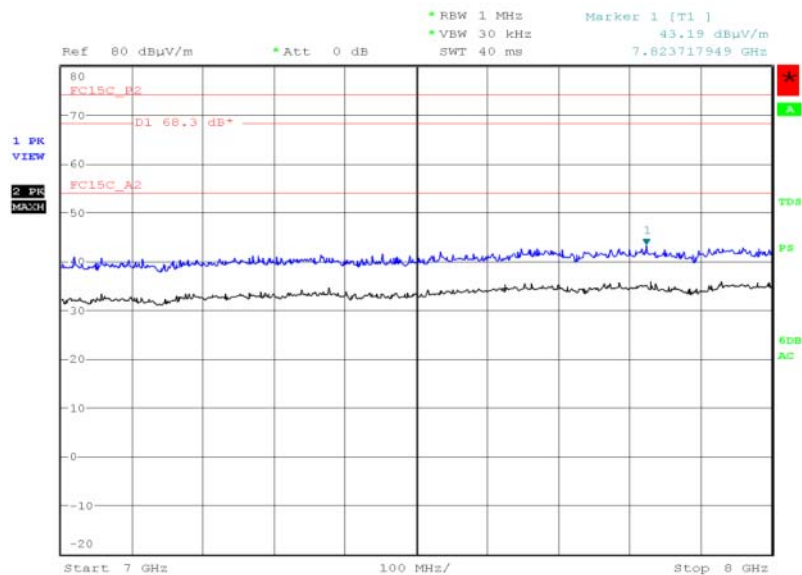
Frequency (MHz)	QP Level (dBuV/m)	QP Level (uV/m)	QP Limit (dBuV/m)	QP Limit (uV/m)	QP Margin (dBuV/m)	QP Margin (uV/m)	Angle (Deg)	Height (m)	Polarity
30.099	30.0	31.6	40.0	100	-10.0	-68.4	109	1.00	Horizontal
33.106	28.5	26.6	40.0	100	-11.5	-73.4	9	1.00	Horizontal
103.094	19.6	9.5	43.5	150	-23.9	-140.5	106	1.00	Vertical
118.227	21.4	11.7	43.5	150	-22.1	-138.3	124	1.00	Vertical
576.810	30.1	32.0	46.0	200	-15.9	-168.0	124	1.00	Vertical
865.974	33.5	47.3	46.0	200	-12.5	-152.7	219	1.00	Vertical



Product Service

1 GHz to 7 GHz

Date: 15.DEC.2014 17:52:33

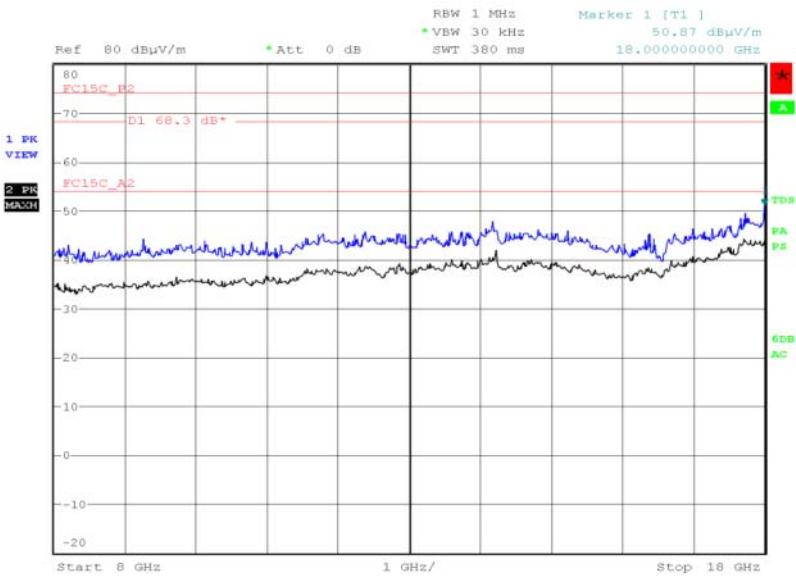
7 GHz to 8 GHz

Date: 18.NOV.2014 22:35:26



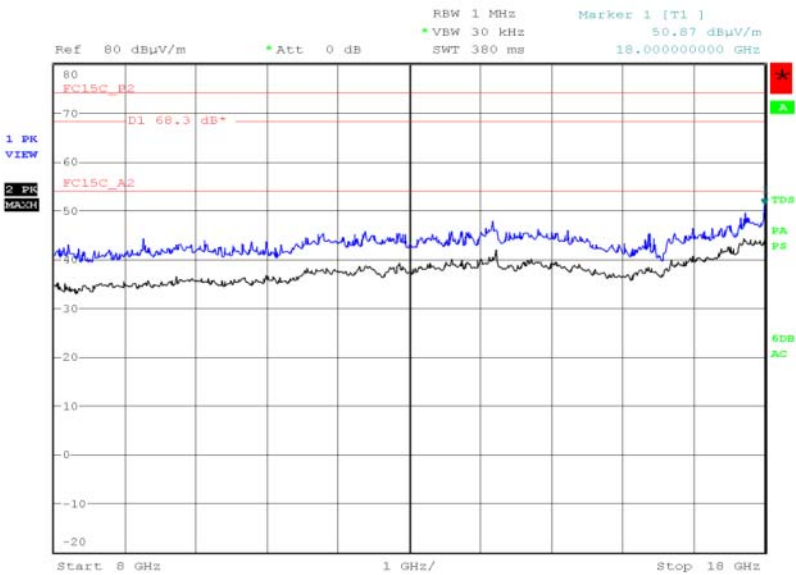
Product Service

8 GHz to 18 GHz

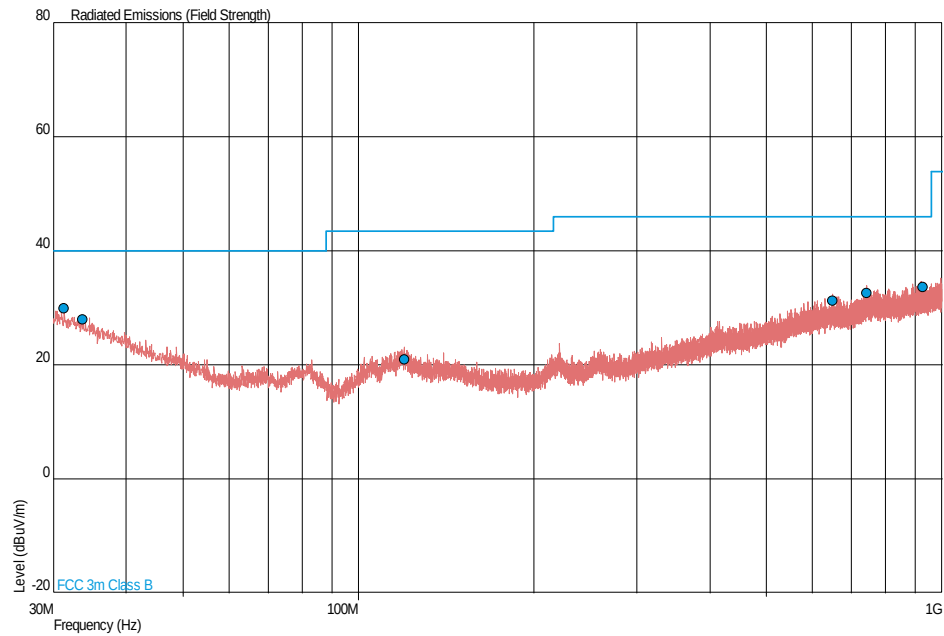


Date: 16.DEC.2014 18:49:25

18 GHz to 40 GHz



Date: 16.DEC.2014 18:49:25

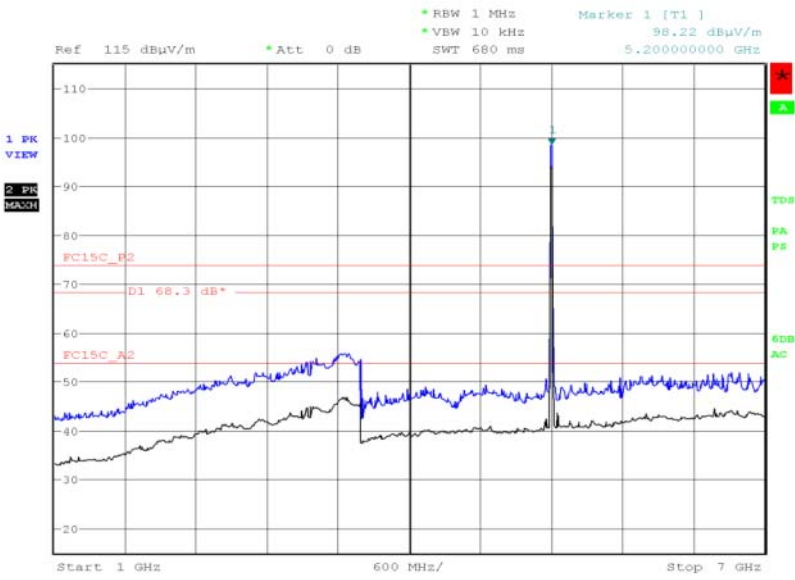
5200 MHz30 MHz to 1 GHz

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
31.306	29.9	31.3	40.0	100	-10.1	-68.7	224	1.00	Vertical
33.727	28.0	25.1	40.0	100	-12.0	-74.9	134	1.00	Horizontal
119.727	20.9	11.1	43.5	150	-22.6	-138.9	95	1.00	Vertical
648.953	31.3	36.7	46.0	200	-14.7	-163.3	270	1.00	Horizontal
742.330	32.6	42.7	46.0	200	-13.4	-157.3	0	1.00	Vertical
926.317	33.6	47.9	46.0	200	-12.4	-152.1	239	1.00	Vertical



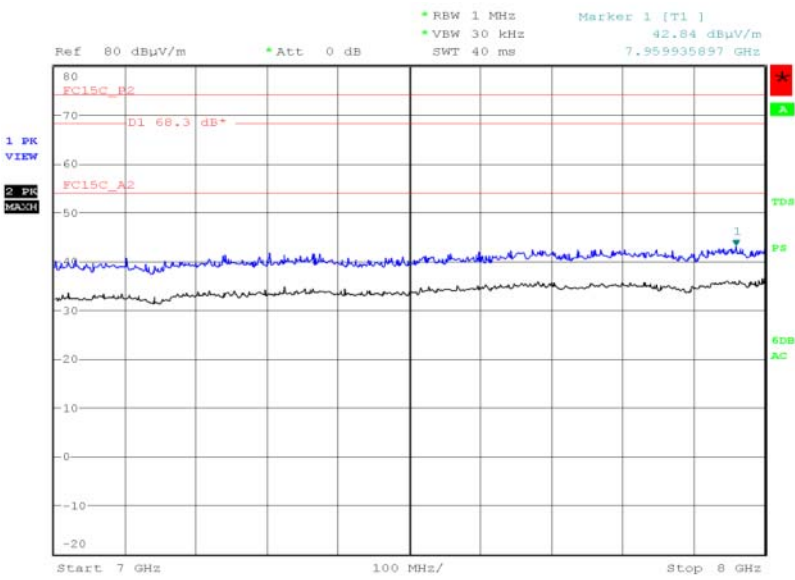
Product Service

1 GHz to 7 GHz



Date: 15.DEC.2014 18:10:35

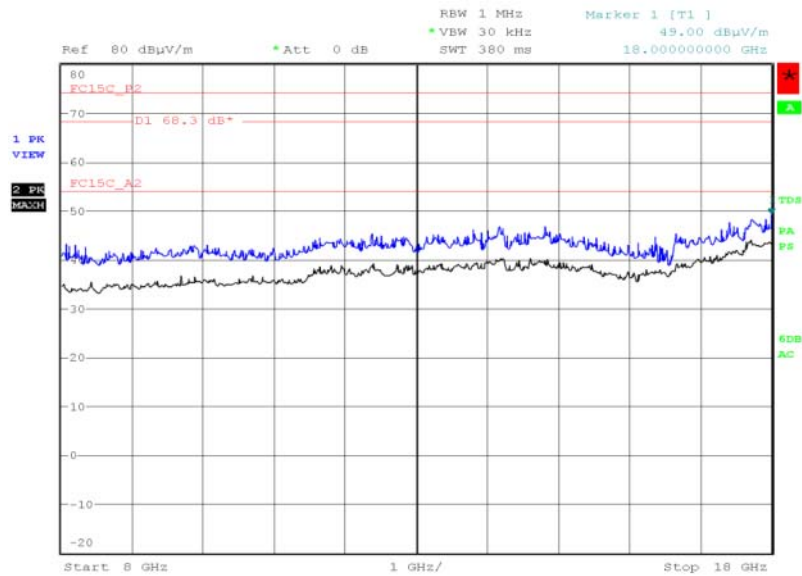
7 GHz to 8 GHz



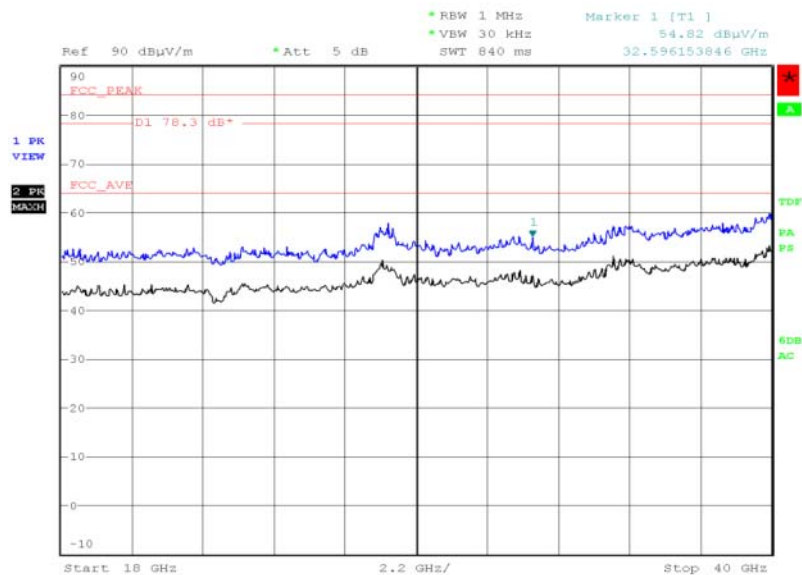
Date: 18.NOV.2014 22:45:48



Product Service

8 GHz to 18 GHz

Date: 16.DEC.2014 19:05:53

18 GHz to 40 GHz

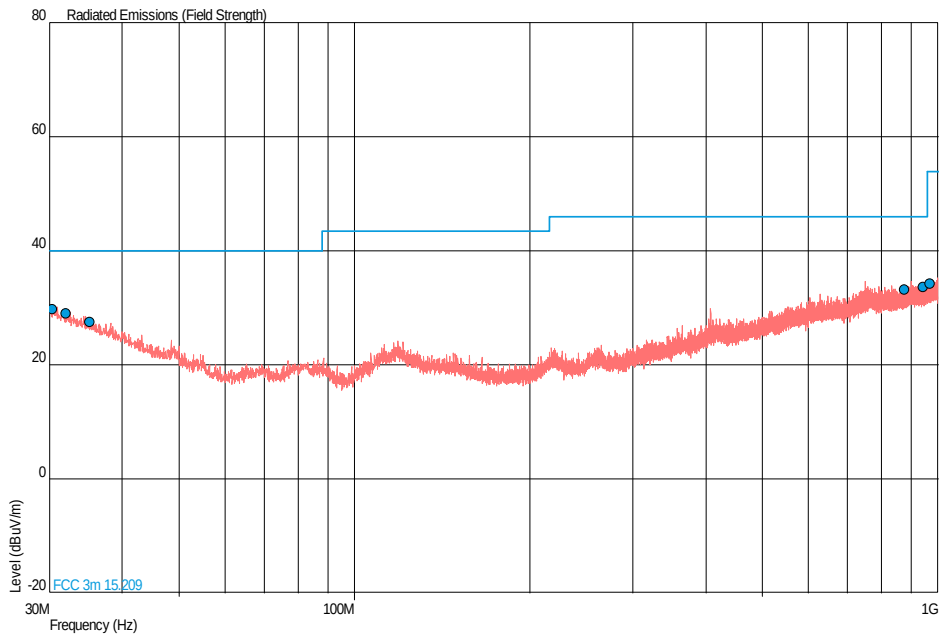
Date: 17.DEC.2014 22:23:46



Product Service

5240 MHz

30 MHz to 1 GHz

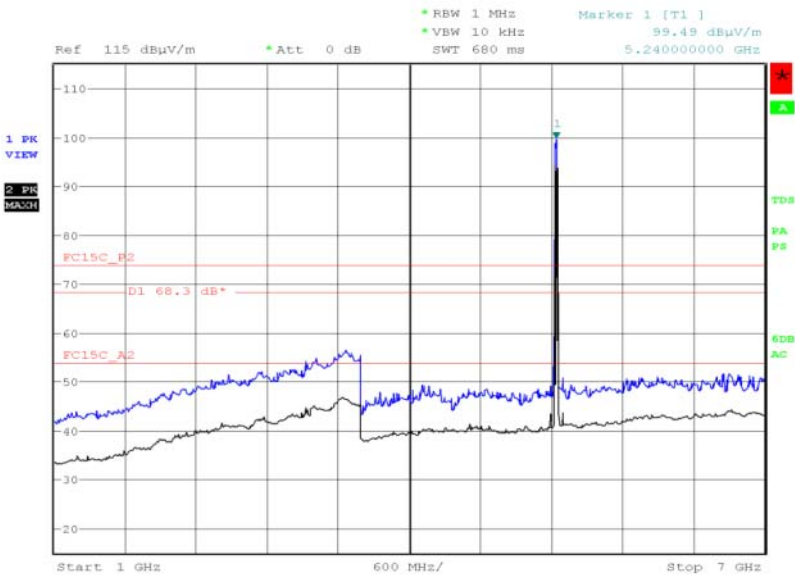


Frequency (MHz)	QP Level (dBµV/m)	QP Level (µV/m)	QP Limit (dBµV/m)	QP Limit (µV/m)	QP Margin (dBµV/m)	QP Margin (µV/m)	Angle (Deg)	Height (m)	Polarity
30.388	29.8	30.9	40.0	100	-10.2	-69.1	0	1.00	Vertical
31.989	29.0	28.2	40.0	100	-11.0	-71.8	0	1.00	Horizontal
35.238	27.5	23.7	40.0	100	-12.5	-76.3	270	1.00	Horizontal
875.064	33.2	45.7	46.0	200	-12.8	-154.3	90	1.00	Vertical
943.013	33.7	48.4	46.0	200	-12.3	-151.6	0	1.00	Vertical
969.057	34.2	51.3	54.0	501	-19.8	-449.7	0	1.00	Vertical



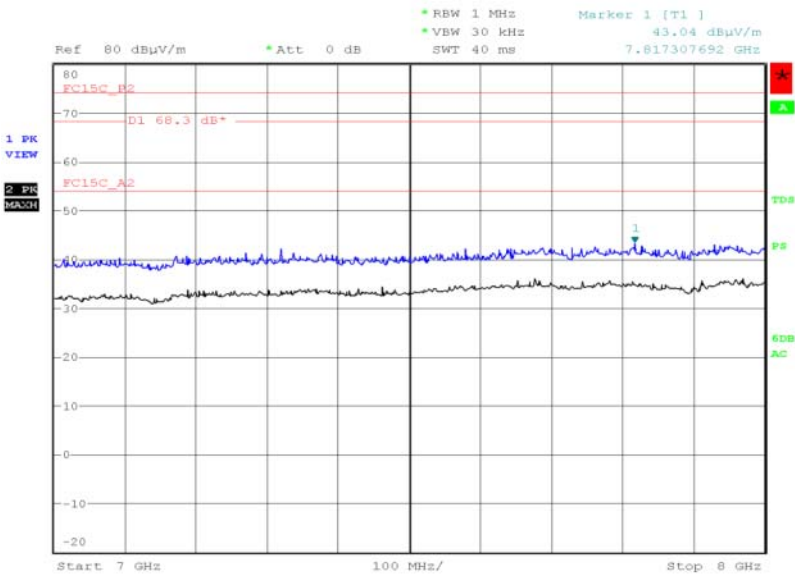
Product Service

1 GHz to 7 GHz



Date: 15.DEC.2014 18:24:20

7 GHz to 8 GHz

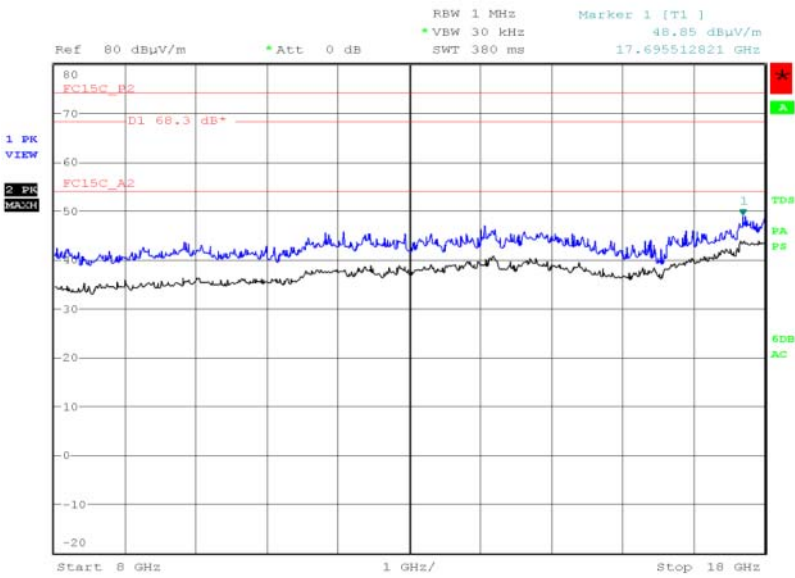


Date: 18.NOV.2014 22:50:12



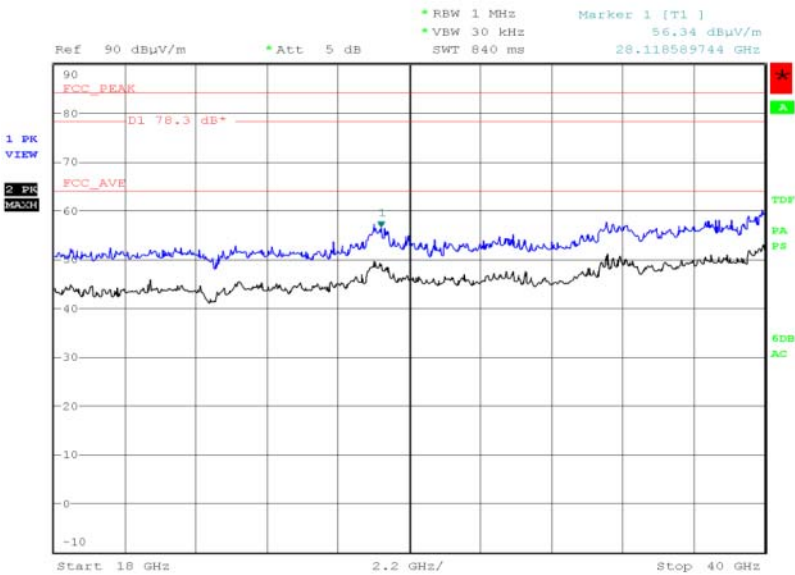
Product Service

8 GHz to 18 GHz

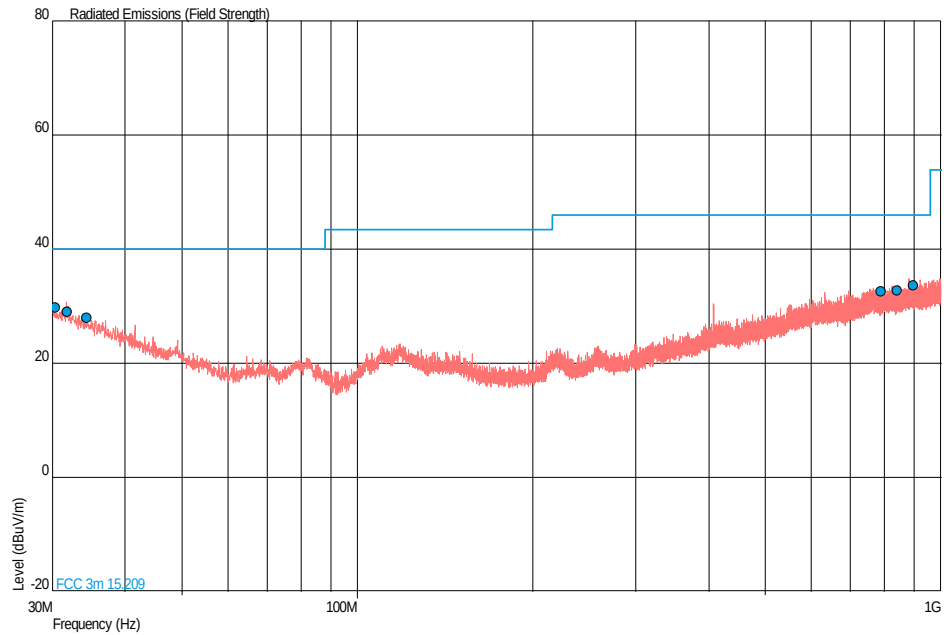


Date: 16.DEC.2014 19:23:40

18 GHz to 40 GHz



Date: 17.DEC.2014 22:28:54

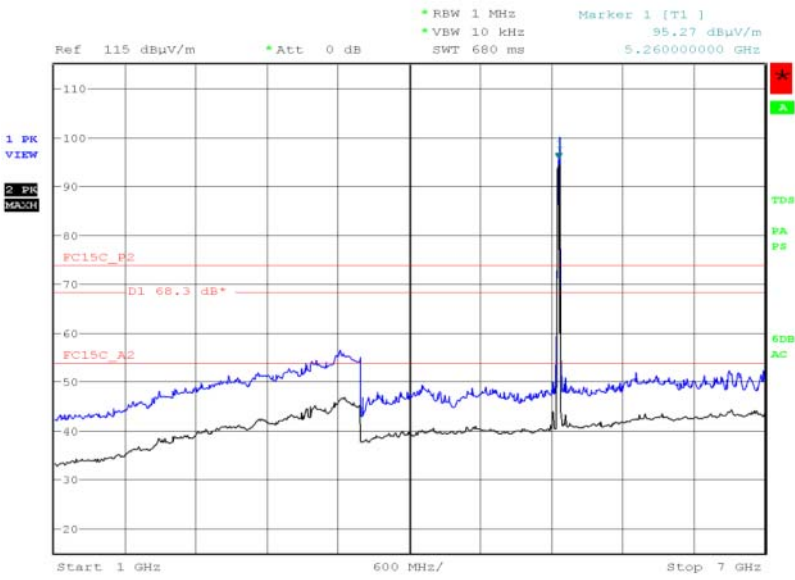
Frequency Band 25260 MHz30 MHz to 1 GHz

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
30.385	29.8	30.9	40.0	100	-10.2	-69.1	0	0.00	Horizontal
31.843	29.1	28.5	40.0	100	-10.9	-71.5	90	1.00	Vertical
34.317	27.9	24.8	40.0	100	-12.1	-75.2	180	1.00	Vertical
789.995	32.7	43.2	46.0	200	-13.3	-156.8	180	1.00	Vertical
842.036	32.8	43.7	46.0	200	-13.2	-156.3	90	1.00	Vertical
897.471	33.6	47.9	46.0	200	-12.4	-152.1	270	1.00	Vertical



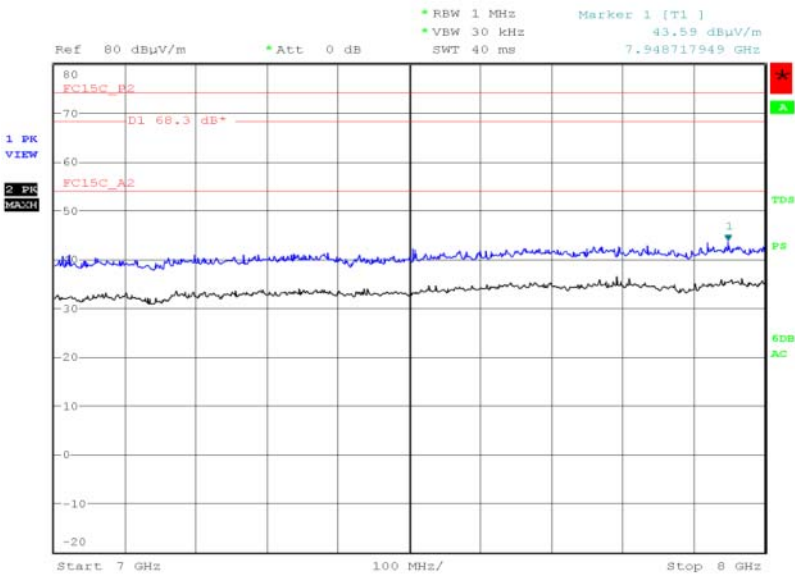
Product Service

1 GHz to 7 GHz



Date: 15.DEC.2014 18:45:55

7 GHz to 8 GHz

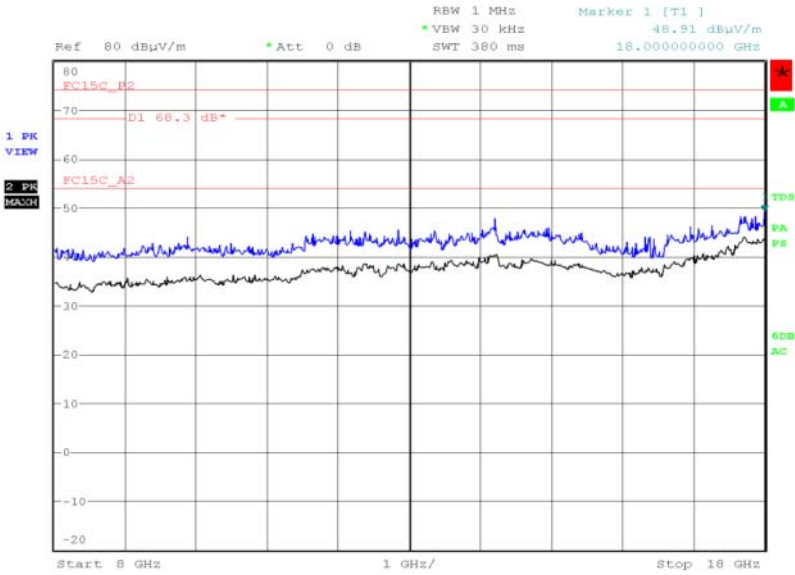


Date: 18.NOV.2014 22:57:00



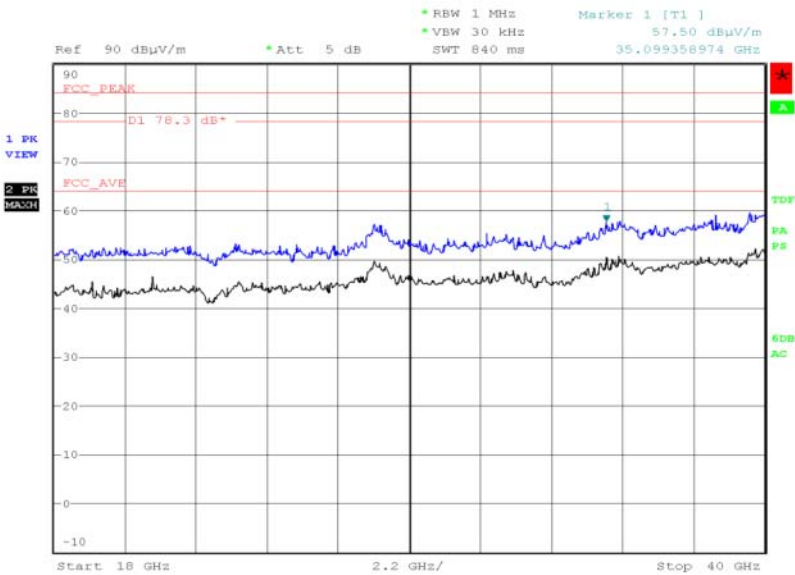
Product Service

8 GHz to 18 GHz



Date: 16.DEC.2014 19:33:15

18 GHz to 40 GHz



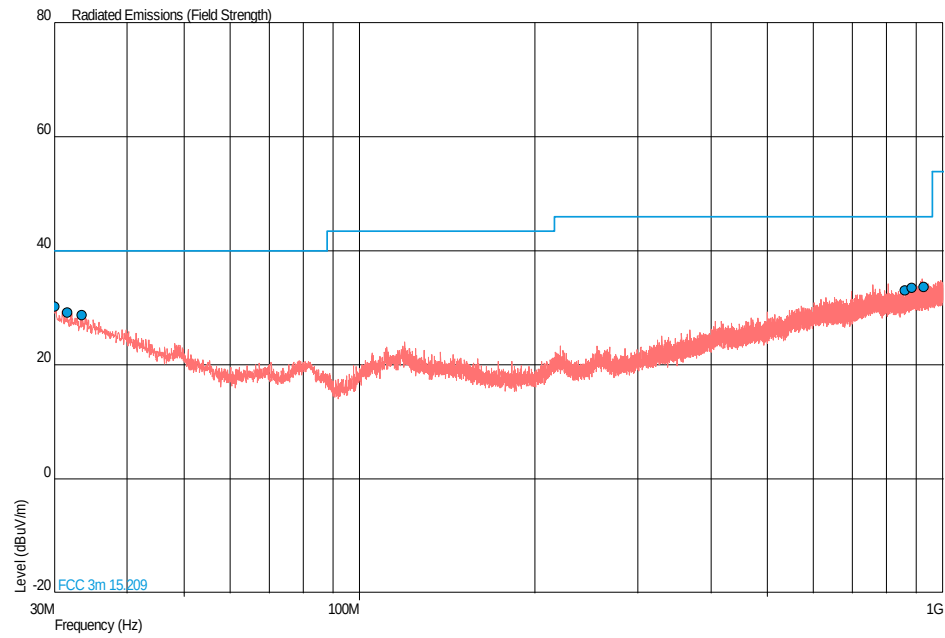
Date: 17.DEC.2014 22:35:12



Product Service

5300 MHz

30 MHz to 1 GHz

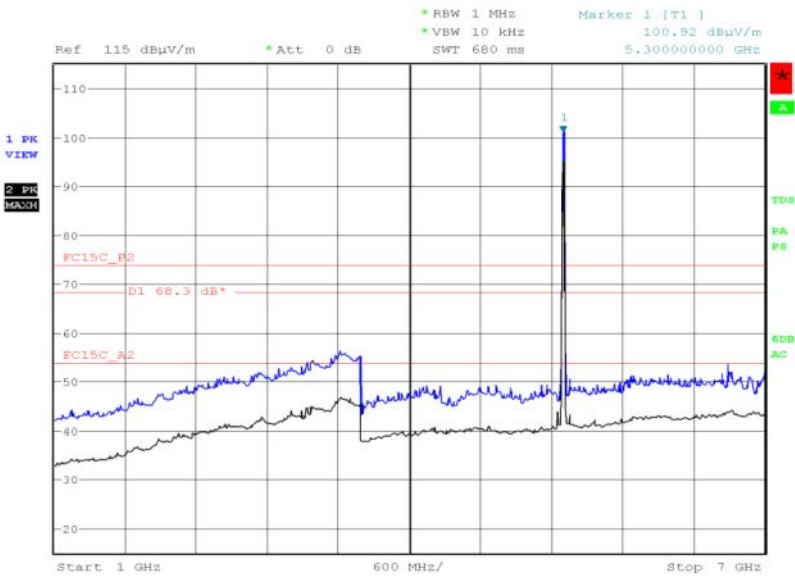


Frequency (MHz)	QP Level (dBµV/m)	QP Level (µV/m)	QP Limit (dBµV/m)	QP Limit (µV/m)	QP Margin (dBµV/m)	QP Margin (µV/m)	Angle (Deg)	Height (m)	Polarity
30.000	30.2	32.4	40.0	100	-9.8	-67.6	180	1.00	Vertical
31.649	29.2	28.8	40.0	100	-10.8	-71.2	90	1.00	Vertical
33.444	28.8	27.5	40.0	100	-11.2	-72.5	270	1.00	Vertical
861.048	33.0	44.7	46.0	200	-13.0	-155.3	0	1.00	Vertical
885.914	33.5	47.3	46.0	200	-12.5	-152.7	0	1.00	Vertical
927.153	33.6	47.9	46.0	200	-12.4	-152.1	90	1.00	Vertical



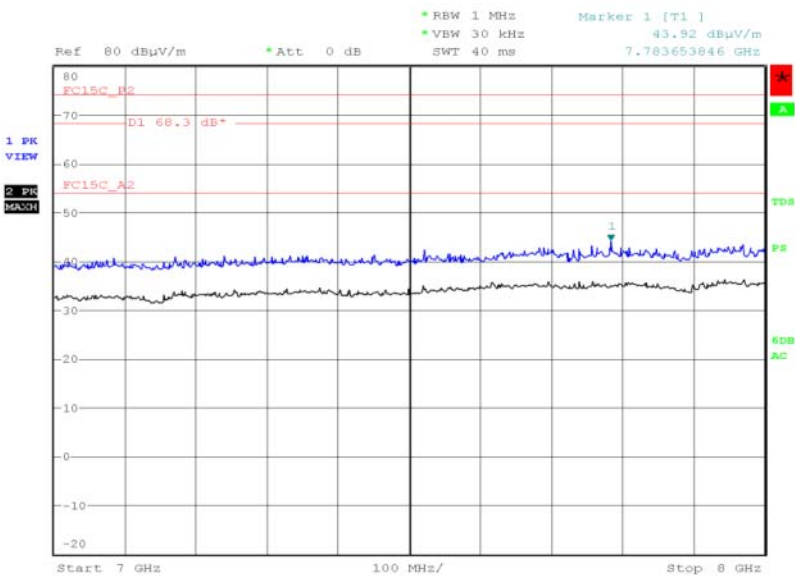
Product Service

1 GHz to 7 GHz



Date: 15.DEC.2014 19:06:12

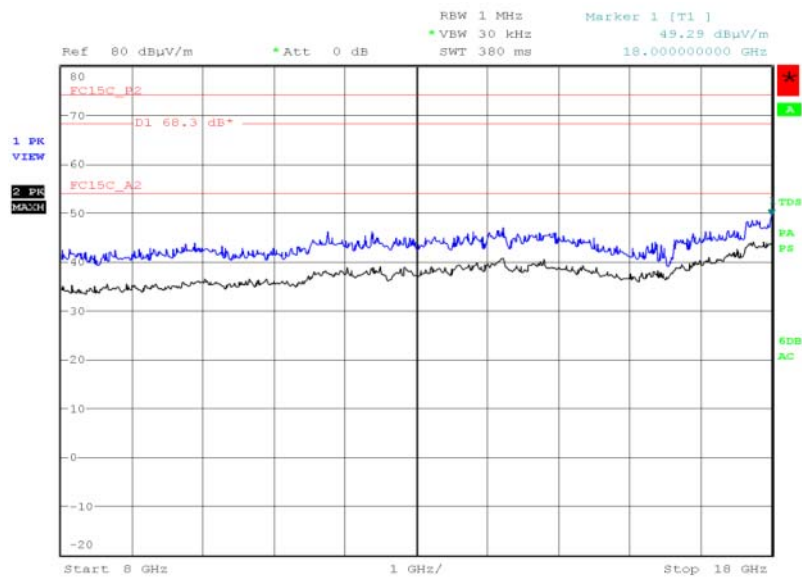
7 GHz to 8 GHz



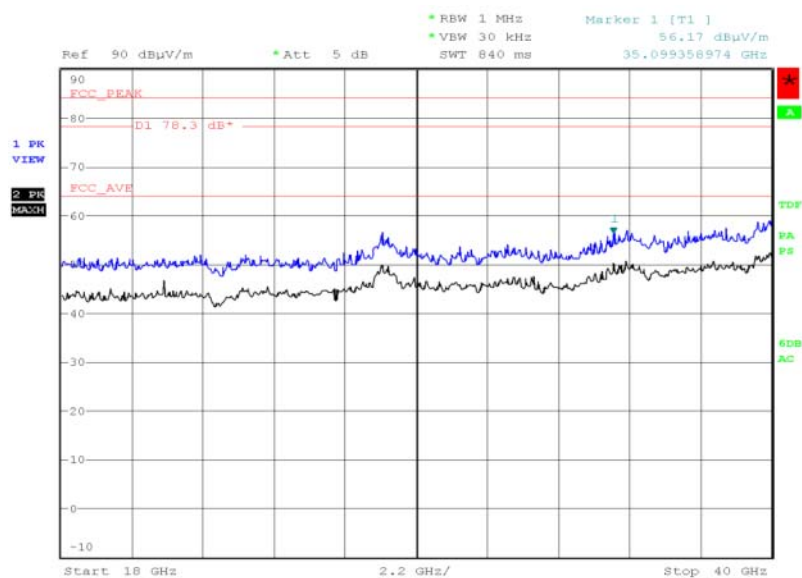
Date: 18.NOV.2014 23:09:07



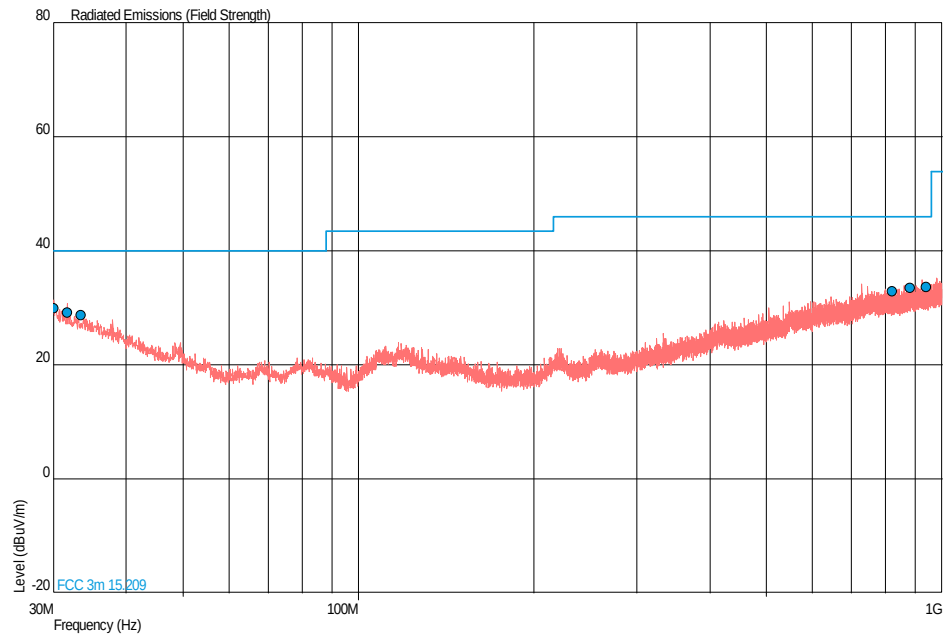
Product Service

8 GHz to 18 GHz

Date: 16.DEC.2014 19:44:47

18 GHz to 40 GHz

Date: 17.DEC.2014 22:49:04

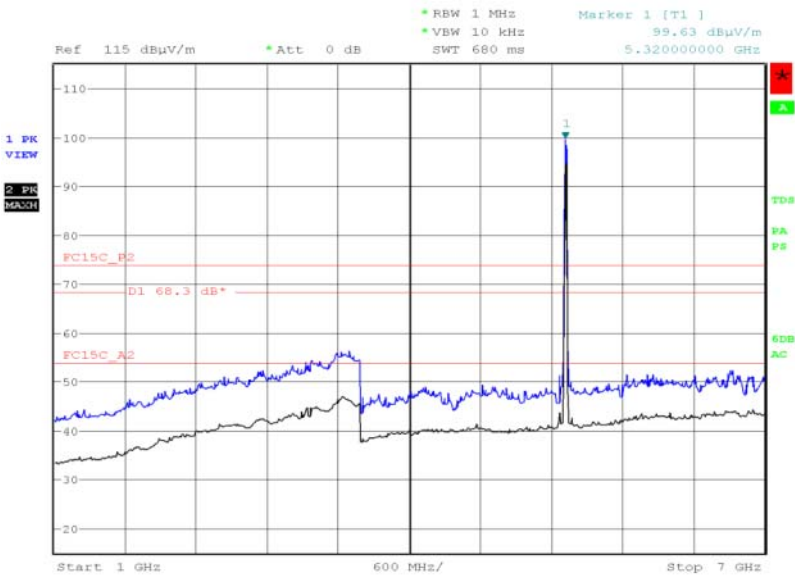
5320 MHz30 MHz to 1 GHz

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
30.049	30.0	31.6	40.0	100	-10.0	-68.4	180	1.00	Vertical
31.698	29.2	28.8	40.0	100	-10.8	-71.2	0	1.00	Vertical
33.444	28.7	27.2	40.0	100	-11.3	-72.8	270	1.00	Vertical
820.938	32.8	43.7	46.0	200	-13.2	-156.3	270	1.00	Vertical
880.739	33.4	46.8	46.0	200	-12.6	-153.2	180	1.00	Vertical
940.054	33.7	48.4	46.0	200	-12.3	-151.6	270	1.00	Vertical



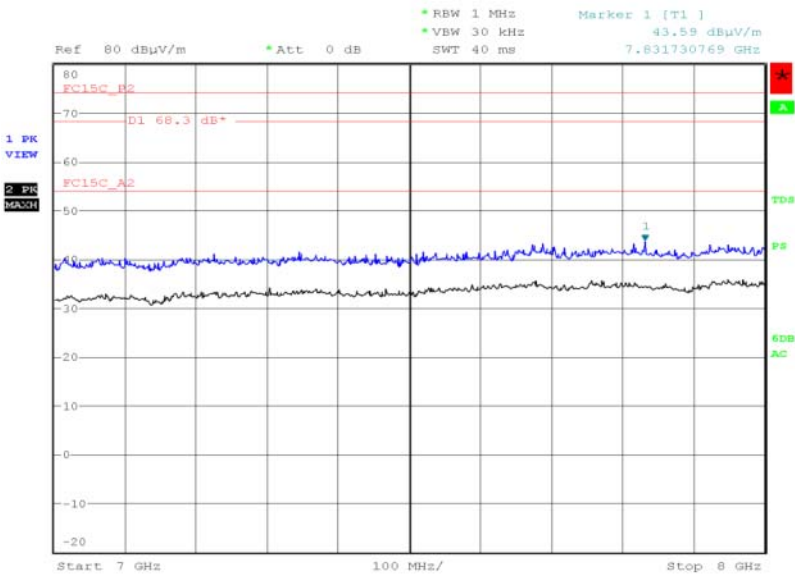
Product Service

1 GHz to 7 GHz



Date: 15.DEC.2014 19:33:11

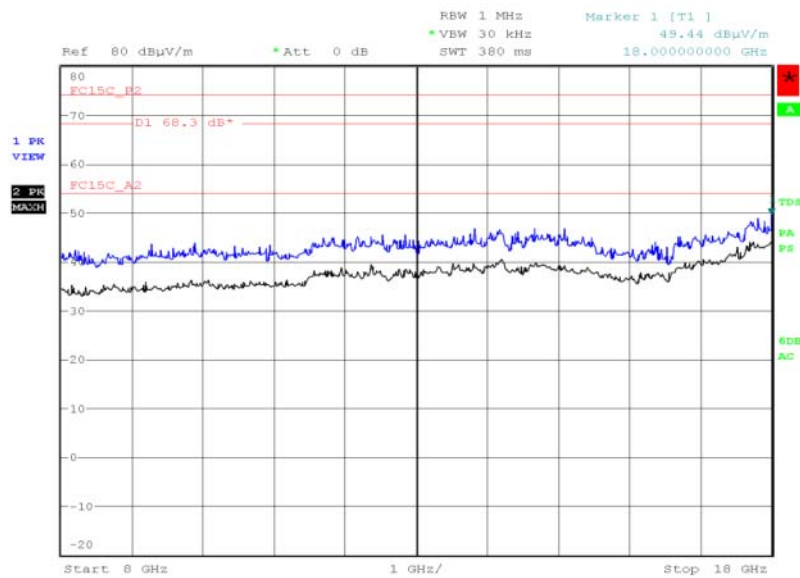
7 GHz to 8 GHz



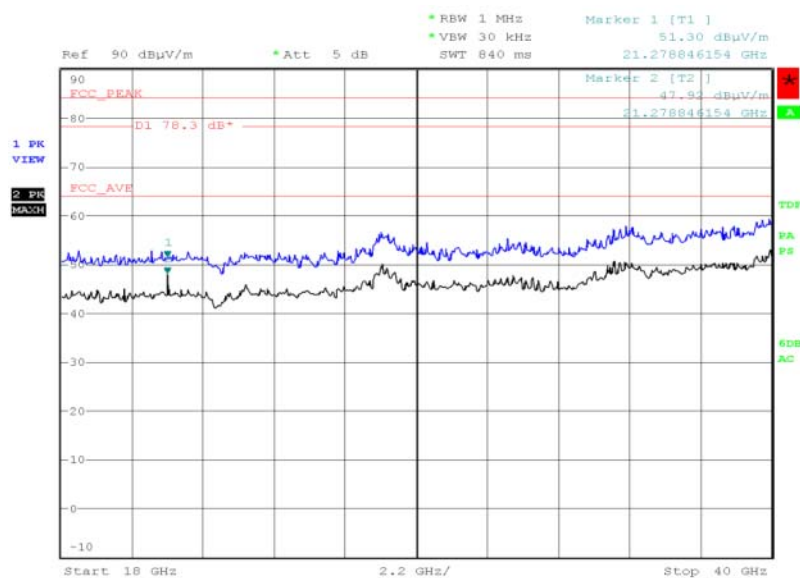
Date: 18.NOV.2014 23:12:32



Product Service

8 GHz to 18 GHz

Date: 16.DEC.2014 19:55:12

18 GHz to 40 GHz

Date: 17.DEC.2014 22:53:58

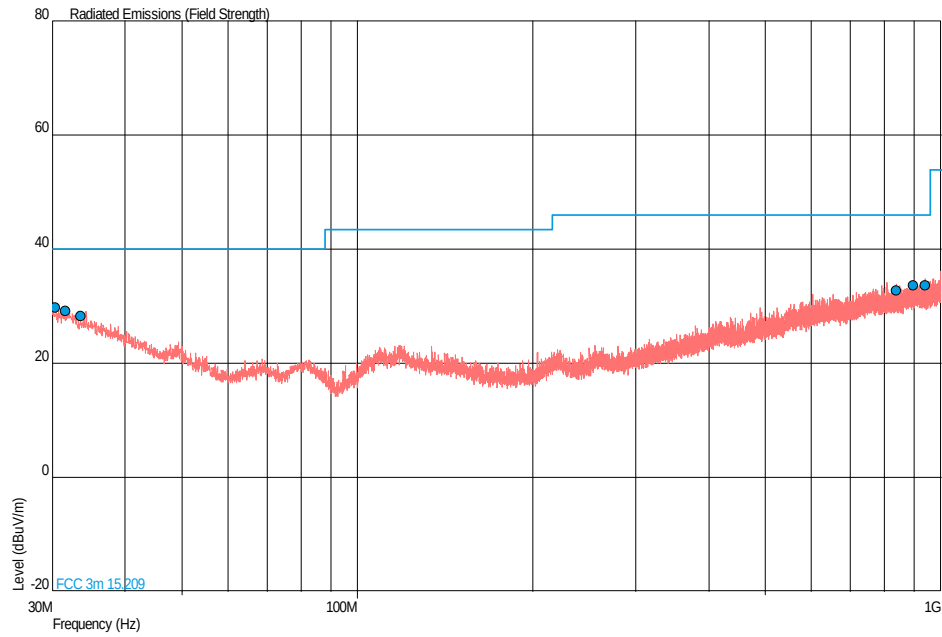


Product Service

Frequency Band 3

5500 MHz

30 MHz to 1 GHz

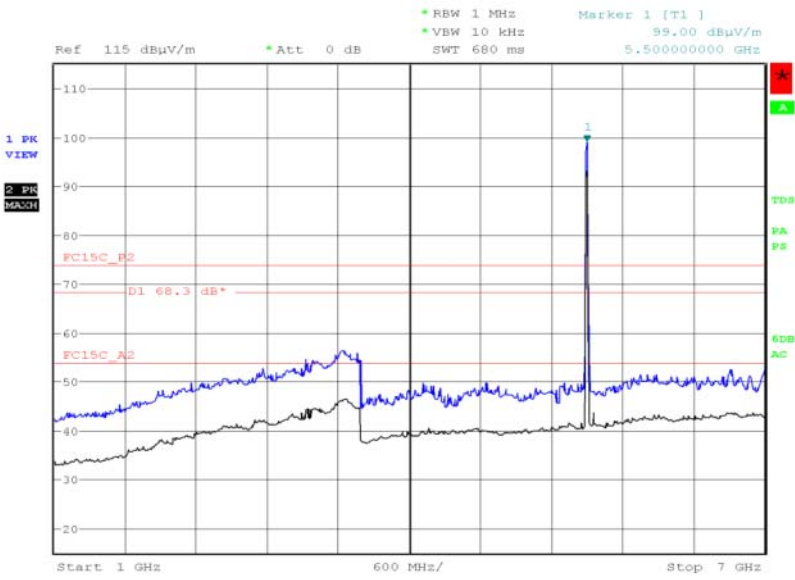


Frequency (MHz)	QP Level (dBμV/m)	QP Level (μV/m)	QP Limit (dBμV/m)	QP Limit (μV/m)	QP Margin (dBμV/m)	QP Margin (μV/m)	Angle (Deg)	Height (m)	Polarity
30.388	29.8	30.9	40.0	100	-10.2	-69.1	90	1.00	Vertical
31.601	29.2	28.8	40.0	100	-10.8	-71.2	180	1.00	Vertical
33.541	28.3	26.0	40.0	100	-11.7	-74.0	180	1.00	Vertical
837.768	32.8	43.7	46.0	200	-13.2	-156.3	180	1.00	Vertical
896.647	33.7	48.4	46.0	200	-12.3	-151.6	270	1.00	Vertical
939.375	33.7	48.4	46.0	200	-12.3	-151.6	90	1.00	Vertical



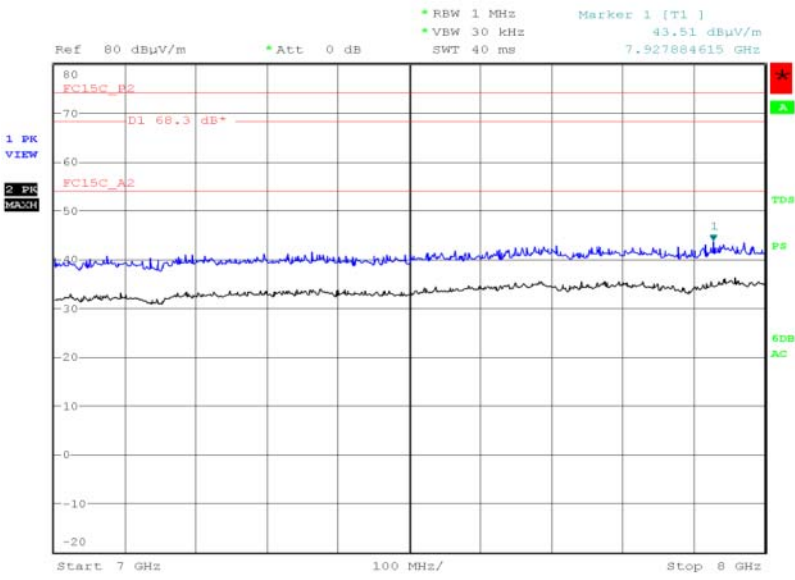
Product Service

1 GHz to 7 GHz



Date: 15.DEC.2014 19:50:21

7 GHz to 8 GHz

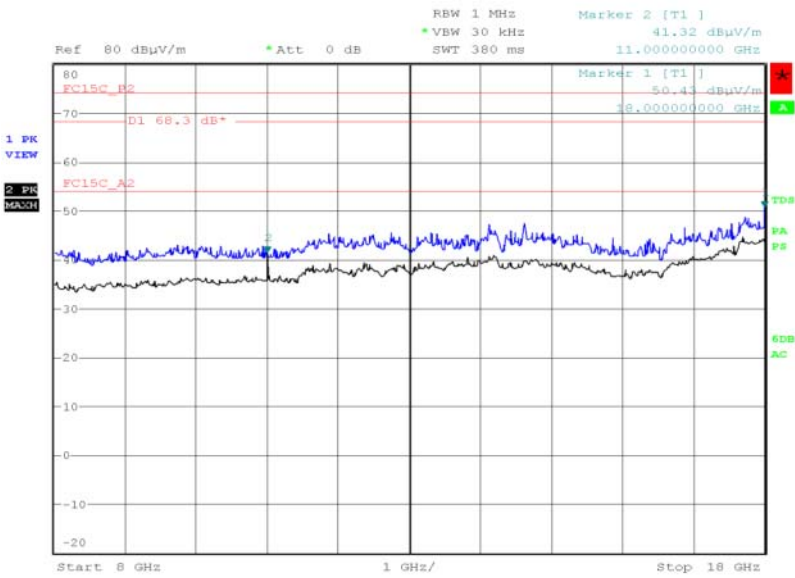


Date: 18.NOV.2014 23:15:54



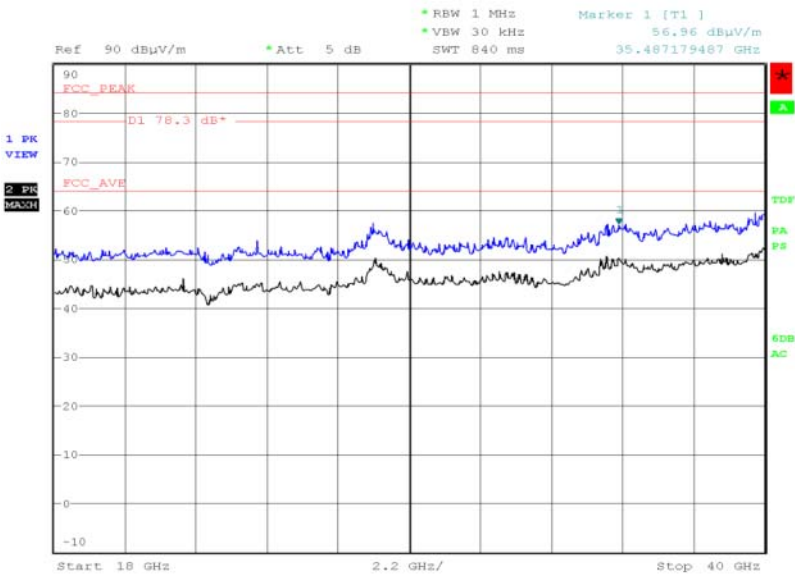
Product Service

8 GHz to 18 GHz



Date: 16.DEC.2014 20:07:00

18 GHz to 40 GHz



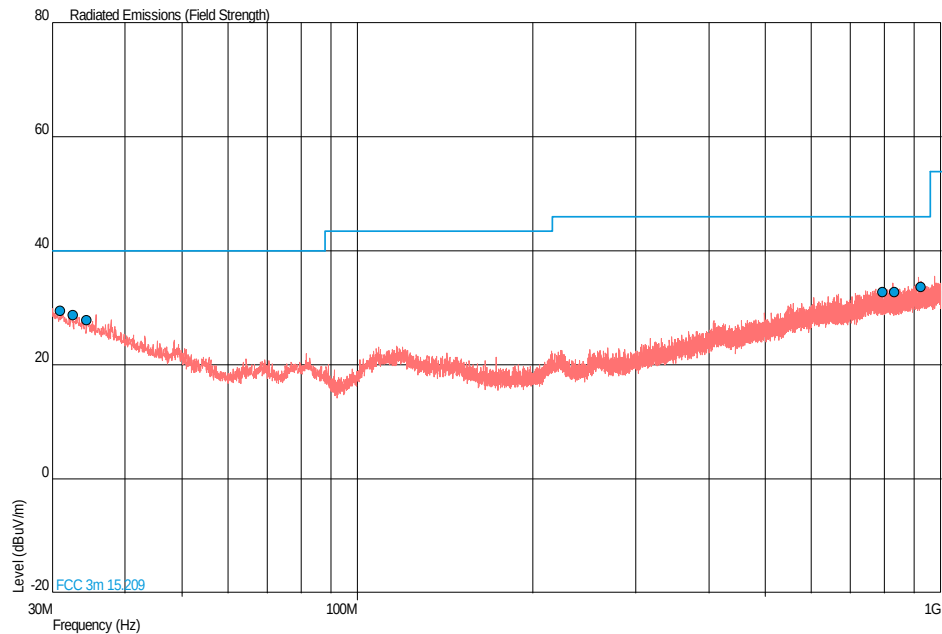
Date: 17.DEC.2014 22:58:53



Product Service

5600 MHz

30 MHz to 1 GHz

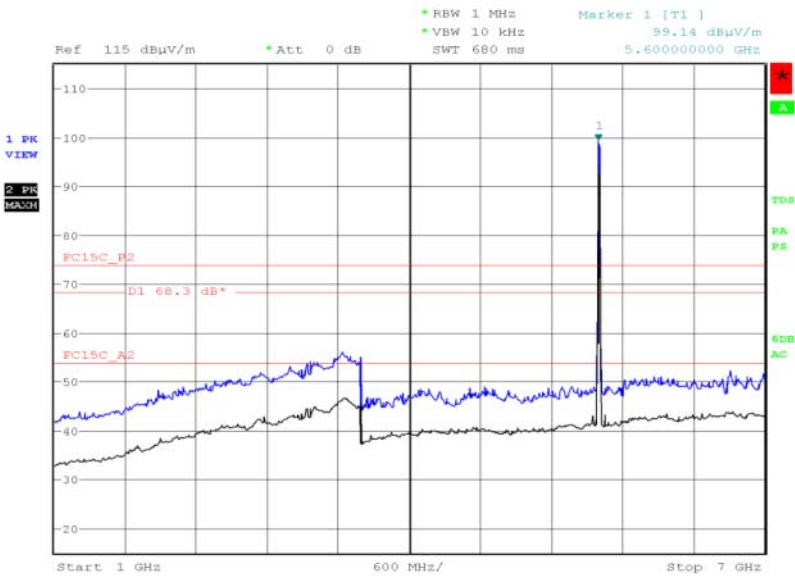


Frequency (MHz)	QP Level (dBµV/m)	QP Level (µV/m)	QP Limit (dBµV/m)	QP Limit (µV/m)	QP Margin (dBµV/m)	QP Margin (µV/m)	Angle (Deg)	Height (m)	Polarity
31.019	29.5	29.9	40.0	100	-10.5	-70.1	180	1.00	Vertical
32.619	28.7	27.2	40.0	100	-11.3	-72.8	90	1.00	Vertical
34.317	27.9	24.8	40.0	100	-12.1	-75.2	270	1.00	Vertical
795.476	32.7	43.2	46.0	200	-13.3	-156.8	90	1.00	Vertical
831.996	32.8	43.7	46.0	200	-13.2	-156.3	180	1.00	Vertical
923.758	33.6	47.9	46.0	200	-12.4	-152.1	270	1.00	Vertical



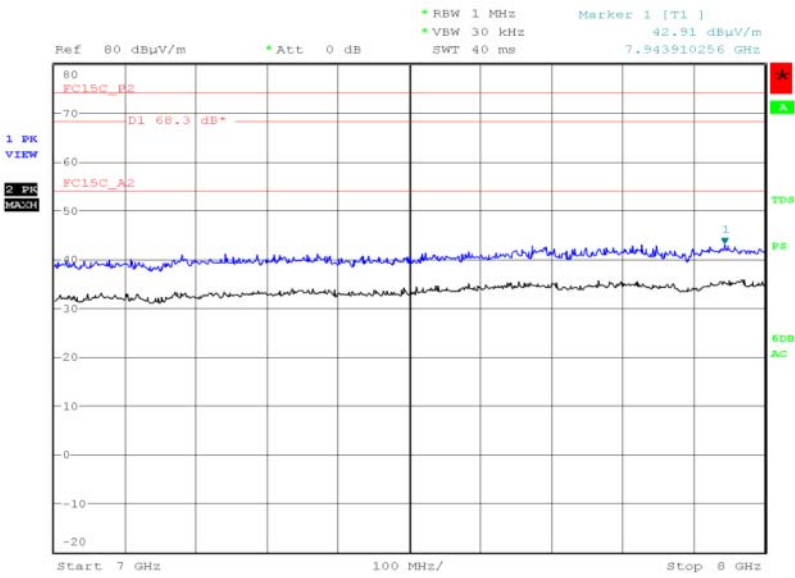
Product Service

1 GHz to 7 GHz



Date: 15.DEC.2014 20:09:10

7 GHz to 8 GHz

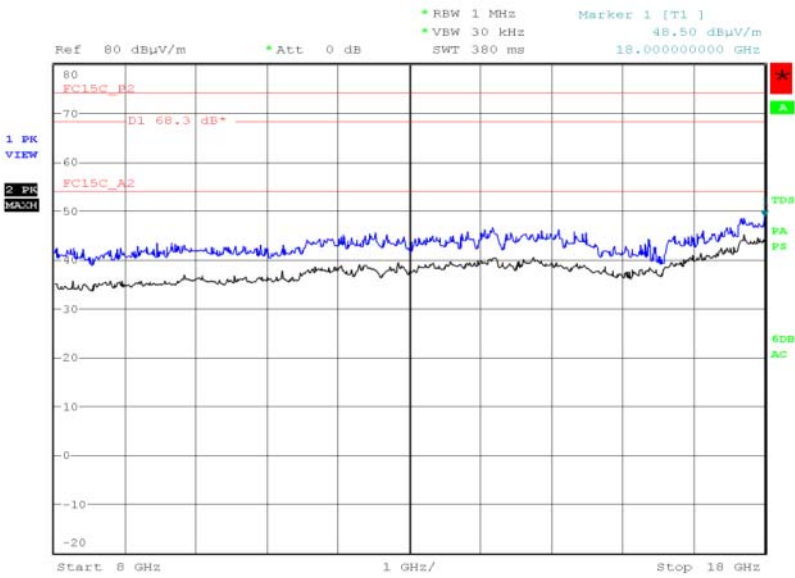


Date: 18.NOV.2014 23:19:13



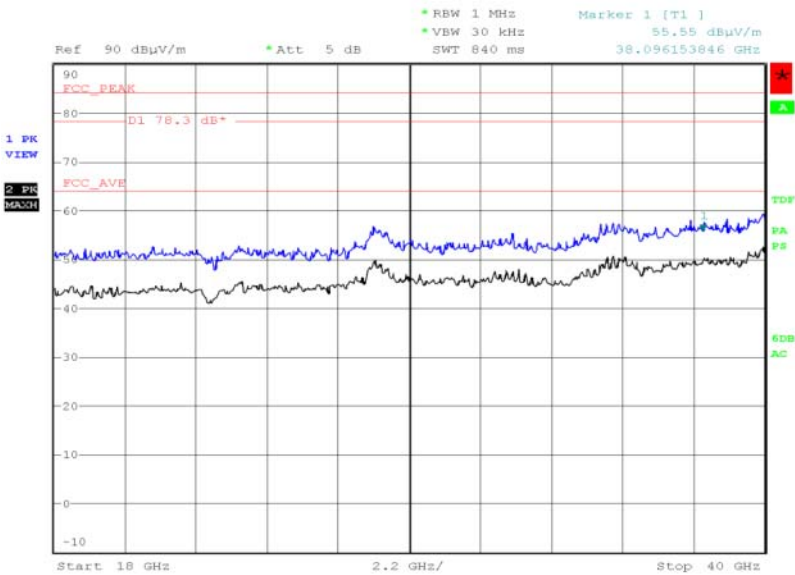
Product Service

8 GHz to 18 GHz



Date: 16.DEC.2014 20:35:07

18 GHz to 40 GHz



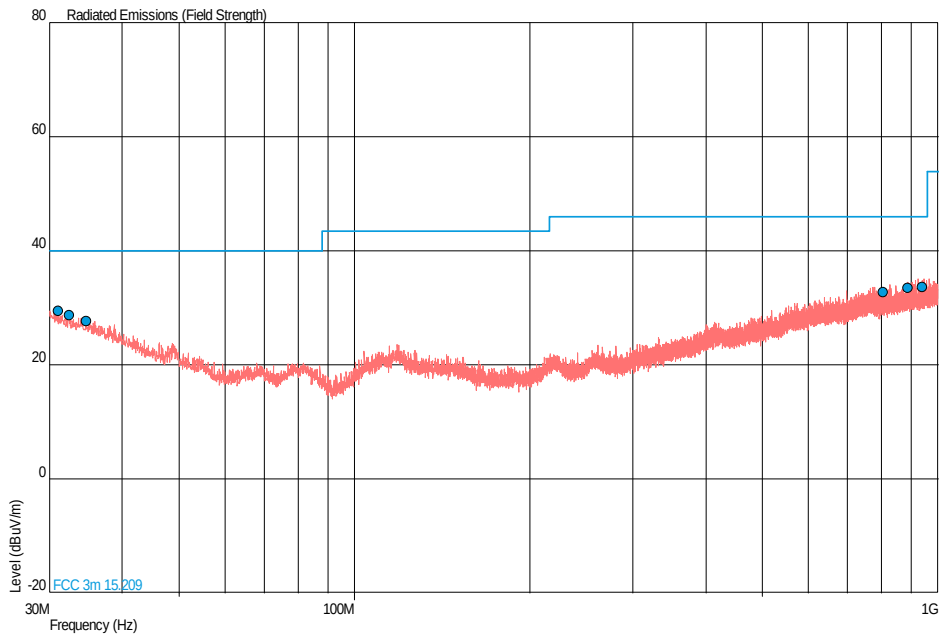
Date: 17.DEC.2014 23:04:08



Product Service

5700 MHz

30 MHz to 1 GHz

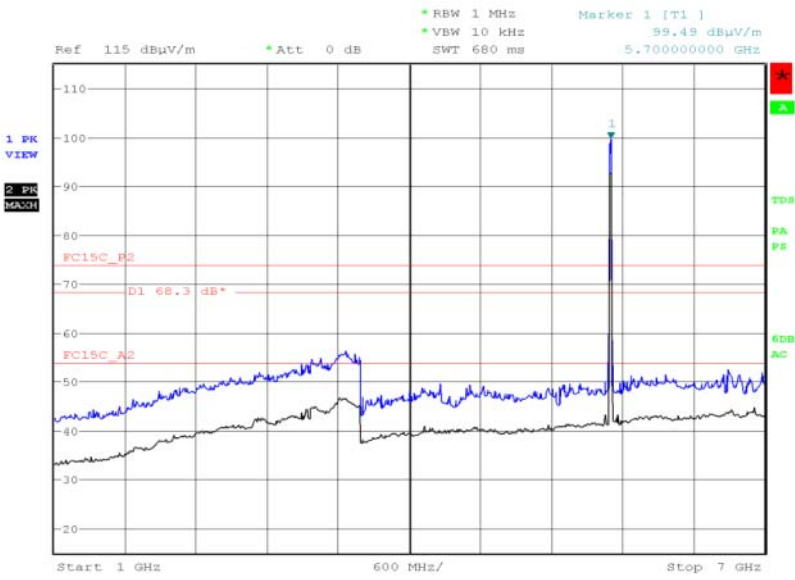


Frequency (MHz)	QP Level (dBµV/m)	QP Level (µV/m)	QP Limit (dBµV/m)	QP Limit (µV/m)	QP Margin (dBµV/m)	QP Margin (µV/m)	Angle (Deg)	Height (m)	Polarity
31.116	29.5	29.9	40.0	100	-10.5	-70.1	180	1.00	Vertical
32.425	28.8	27.5	40.0	100	-11.2	-72.5	270	1.00	Vertical
34.705	27.8	24.5	40.0	100	-12.2	-75.5	0	1.00	Vertical
804.400	32.8	43.7	46.0	200	-13.2	-156.3	180	1.00	Vertical
888.790	33.6	47.9	46.0	200	-12.4	-152.1	0	1.00	Vertical
938.939	33.7	48.4	46.0	200	-12.3	-151.6	180	1.00	Vertical



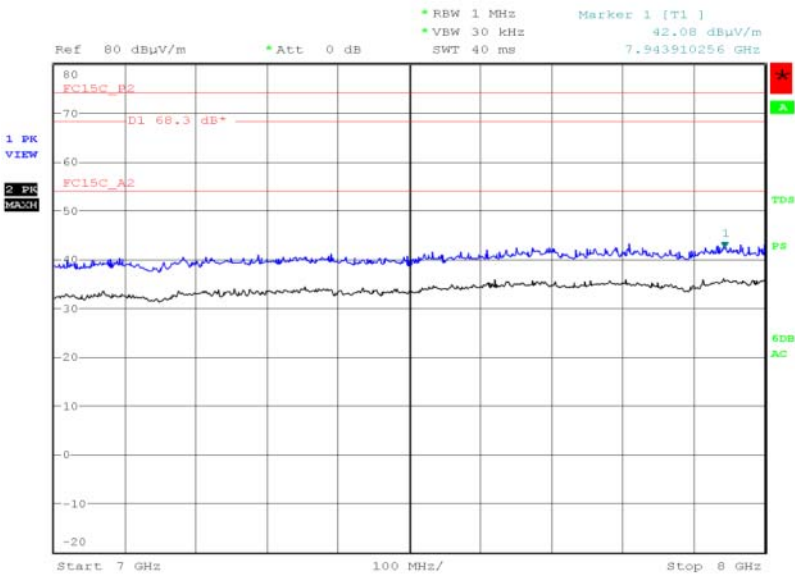
Product Service

1 GHz to 7 GHz



Date: 15.DEC.2014 20:22:32

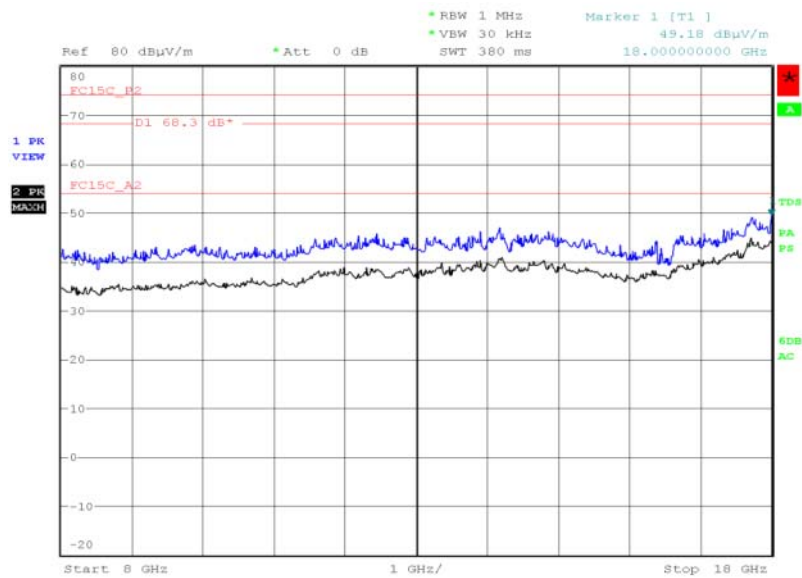
7 GHz to 8 GHz



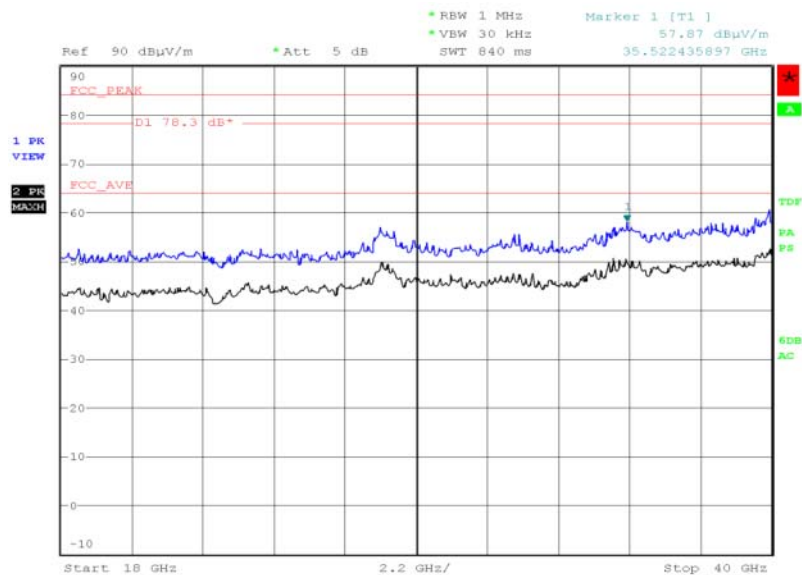
Date: 18.NOV.2014 23:26:15



Product Service

8 GHz to 18 GHz

Date: 16.DEC.2014 20:44:15

18 GHz to 40 GHz

Date: 17.DEC.2014 23:08:32

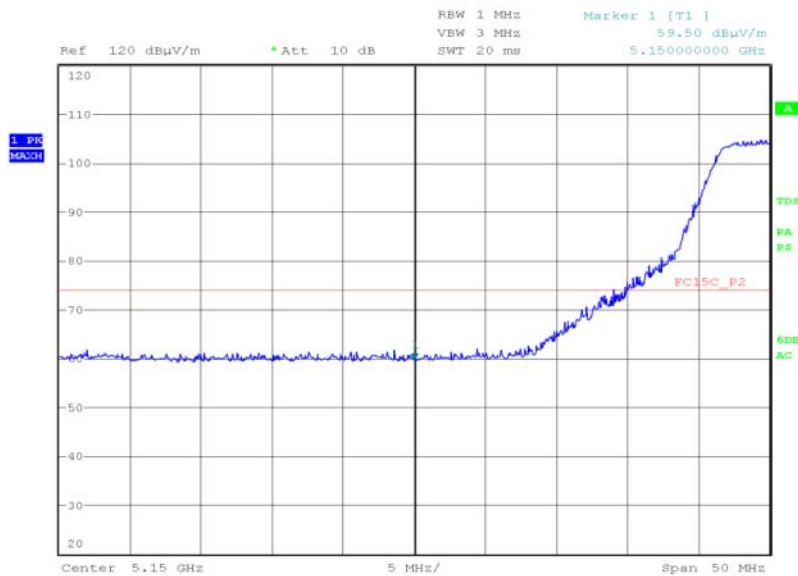


Product Service

Band Edge

Modulation/Data Rate: OFDM/MCS0

Restricted Bands of Operation		
Frequency (MHz)	Final Peak (dB μ V/m)	Final Average (dB μ V/m)
5150.00	59.50	48.08
5350.00	60.62	48.86
5460.00	61.19	48.81

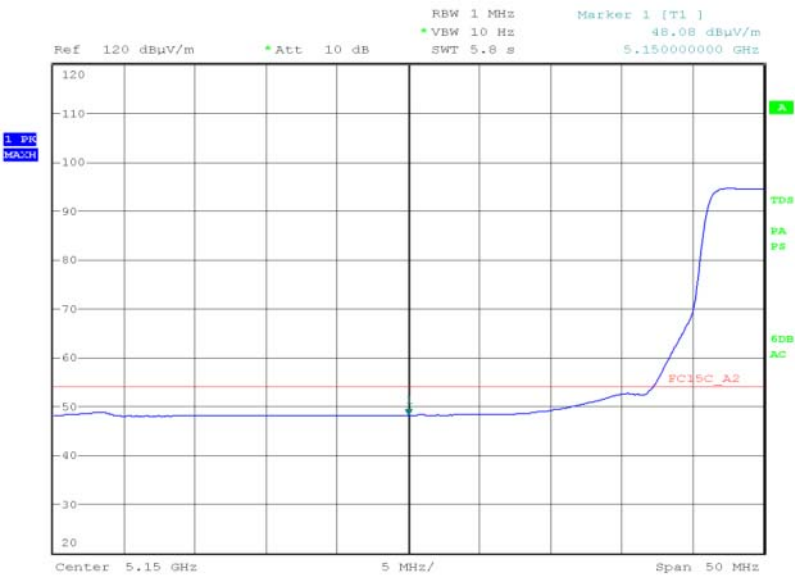
5150.00 MHzFinal Peak

Date: 9.DEC.2014 22:03:30



Product Service

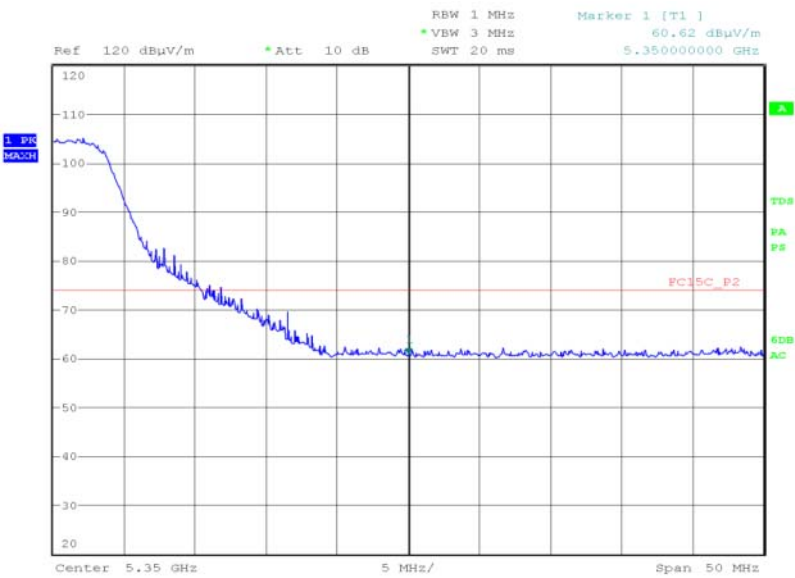
Final Average



Date: 9.DEC.2014 22:04:48

5350.00 MHz

Final Peak

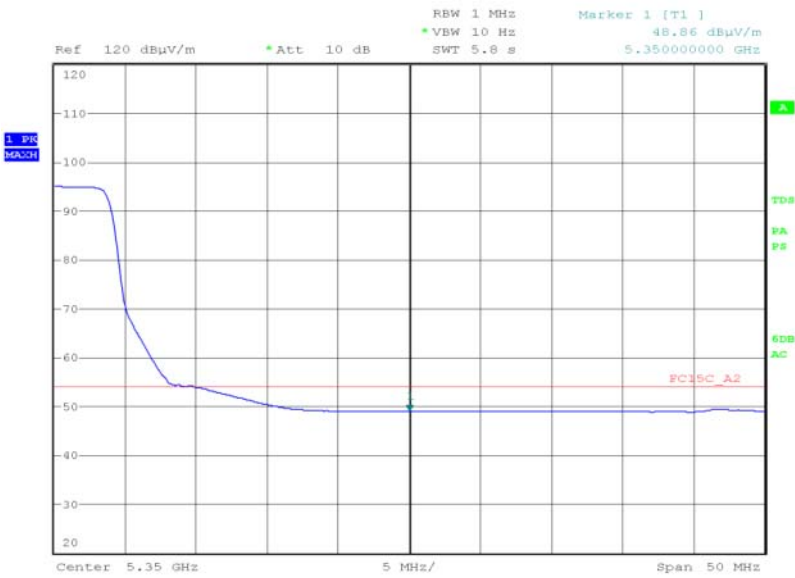


Date: 9.DEC.2014 22:30:37



Product Service

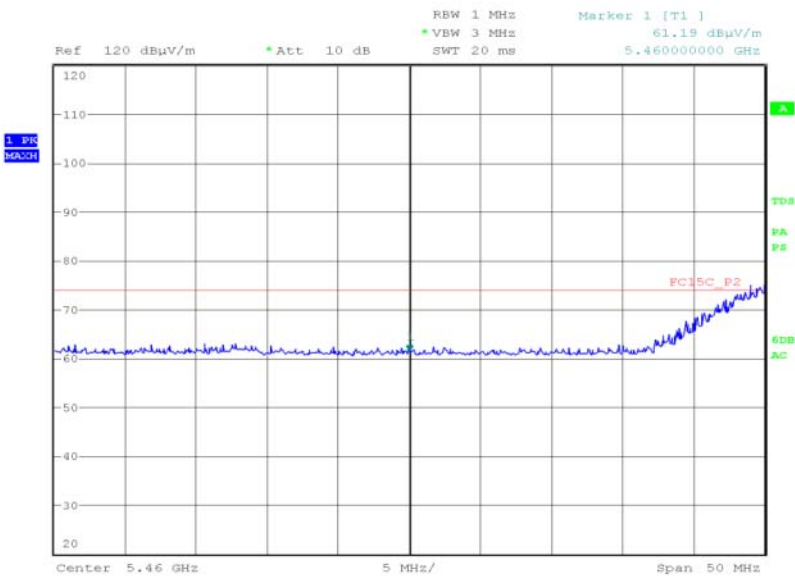
Final Average



Date: 9.DEC.2014 22:31:53

5460.00 MHz

Final Peak

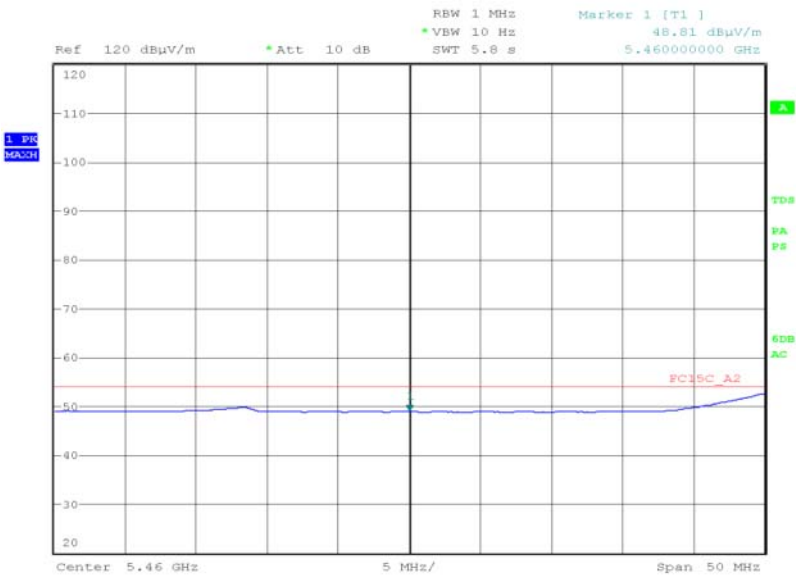


Date: 9.DEC.2014 22:46:48



Product Service

Final Average



Date: 9.DEC.2014 22:40:14

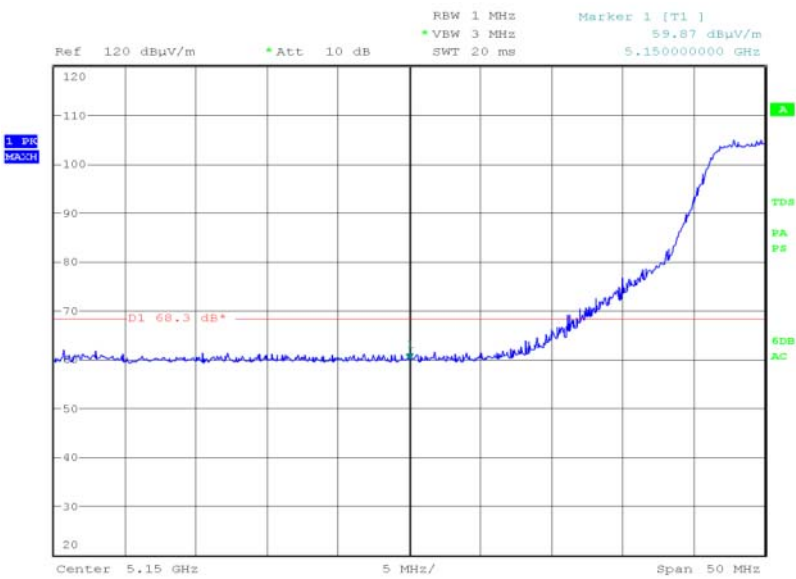


Product Service

Band Edge	
Frequency (MHz)	Final Peak (dBm)
5150.00	-35.33
5350.00	-33.53
5470.00	-35.01
5725.00	-34.09

5150.00 MHz

Final Peak



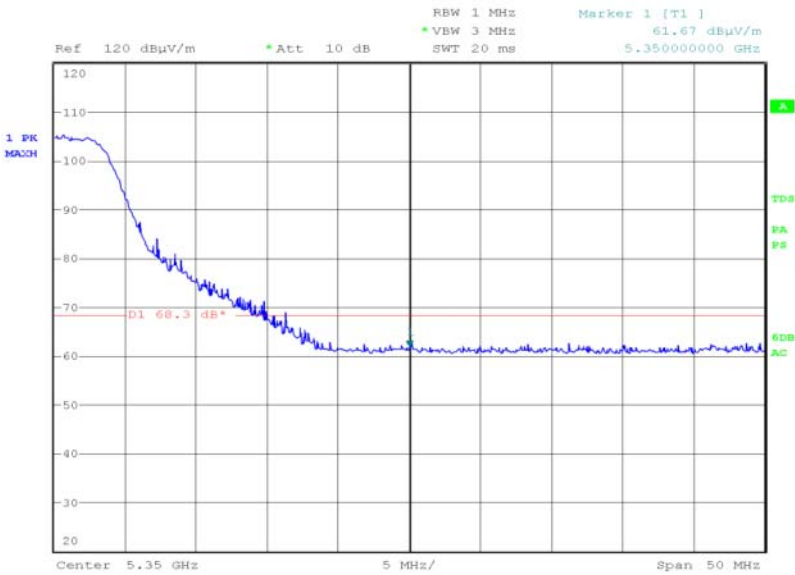
Date: 9.DEC.2014 22:06:48



Product Service

5350.00 MHz

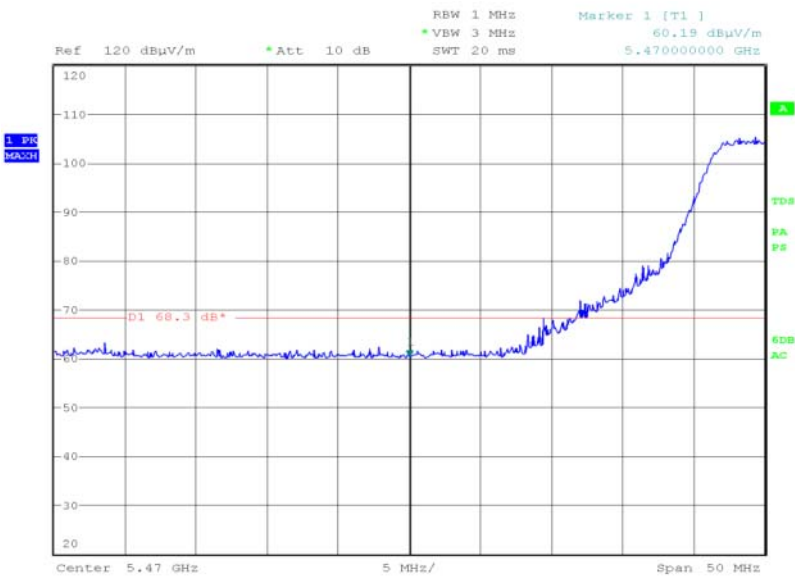
Final Peak



Date: 9.DEC.2014 22:28:04

5470.00 MHz

Final Peak



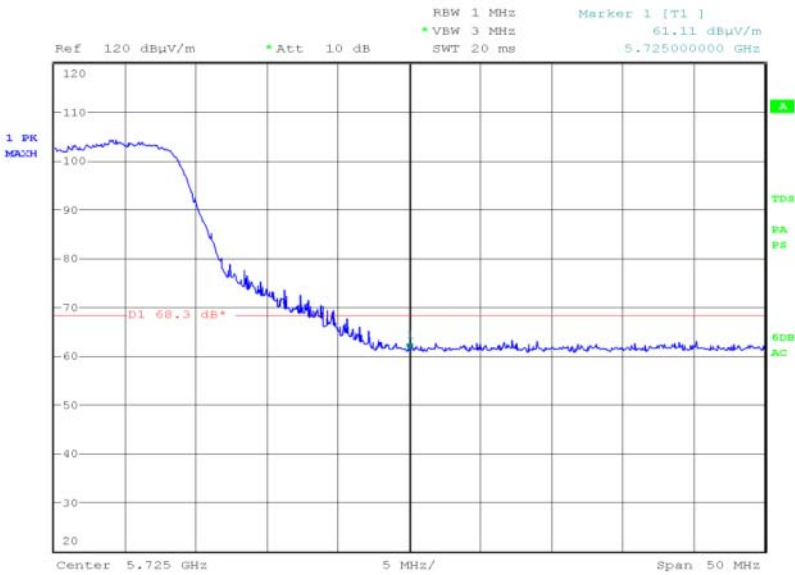
Date: 9.DEC.2014 22:48:27



Product Service

5725.00 MHz

Final Peak

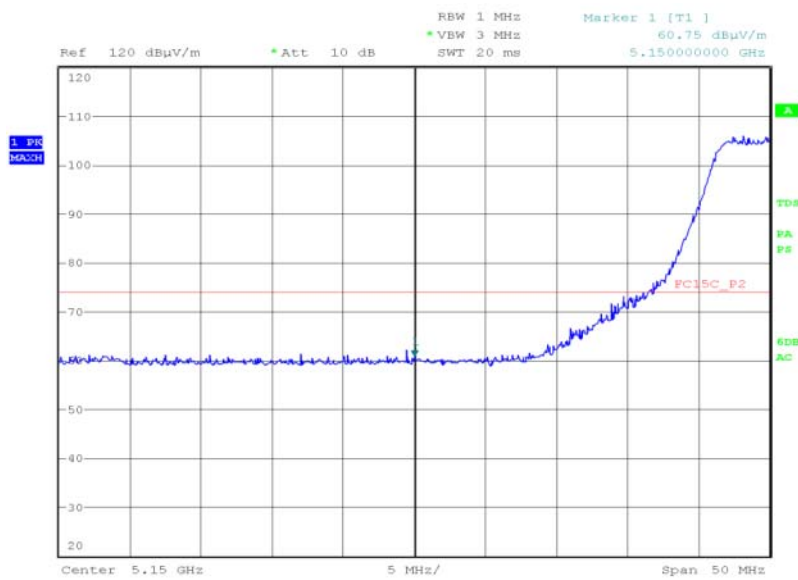


Date: 9.DEC.2014 23:14:55

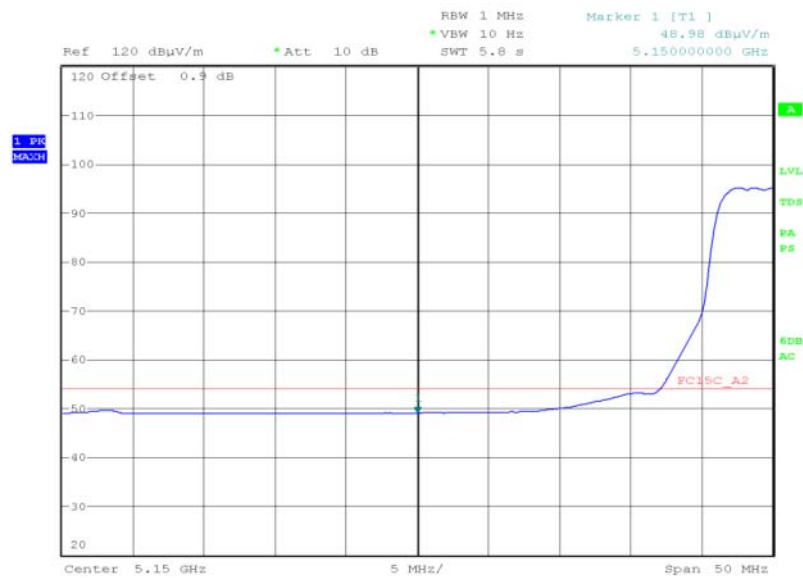


Modulation/Data Rate: OFDM/MCS7

Restricted Bands of Operation		
Frequency (MHz)	Final Peak (dB μ V/m)	Final Average (dB μ V/m)
5150.00	60.75	48.98
5350.00	60.76	49.71
5460.00	61.55	49.66

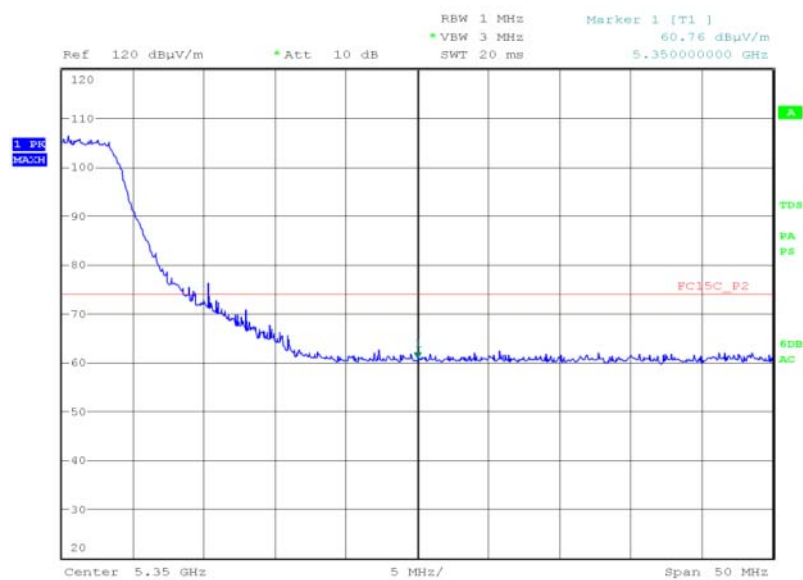
5150.00 MHzFinal Peak

Date: 9.DEC.2014 22:11:24

Final Average

Date: 9.DEC.2014 22:12:53

5350.00 MHz

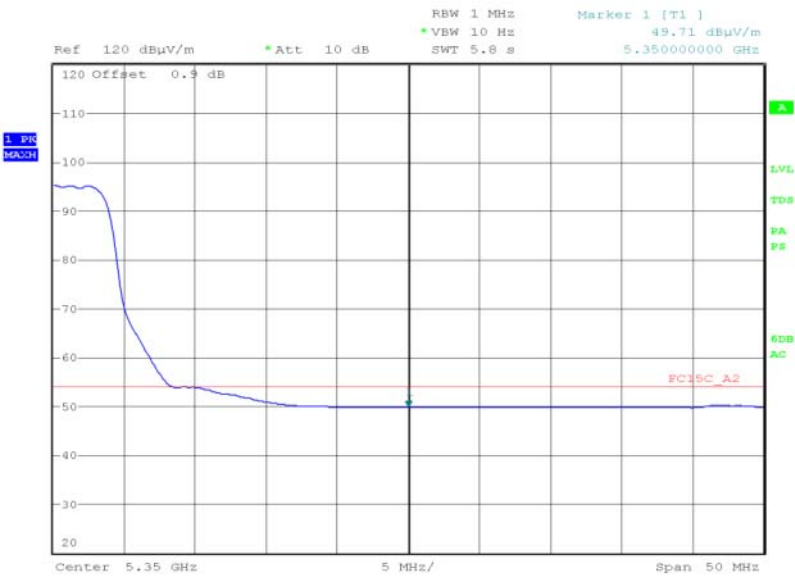
Final Peak

Date: 9.DEC.2014 22:20:17



Product Service

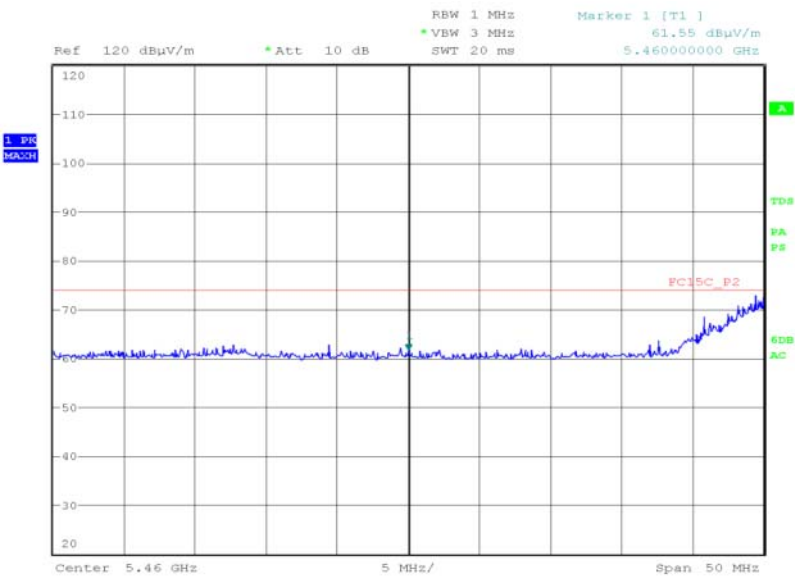
Final Average



Date: 9.DEC.2014 22:18:45

5460.00 MHz

Final Peak

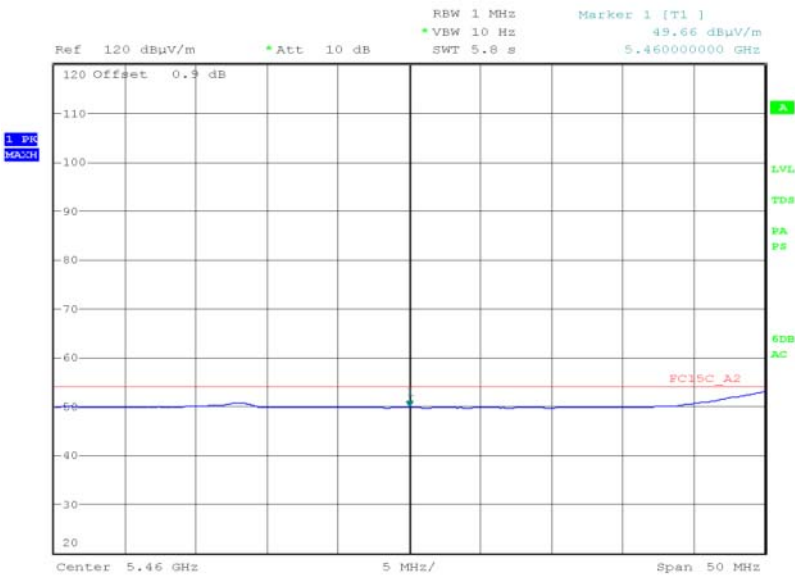


Date: 9.DEC.2014 22:54:33



Product Service

Final Average

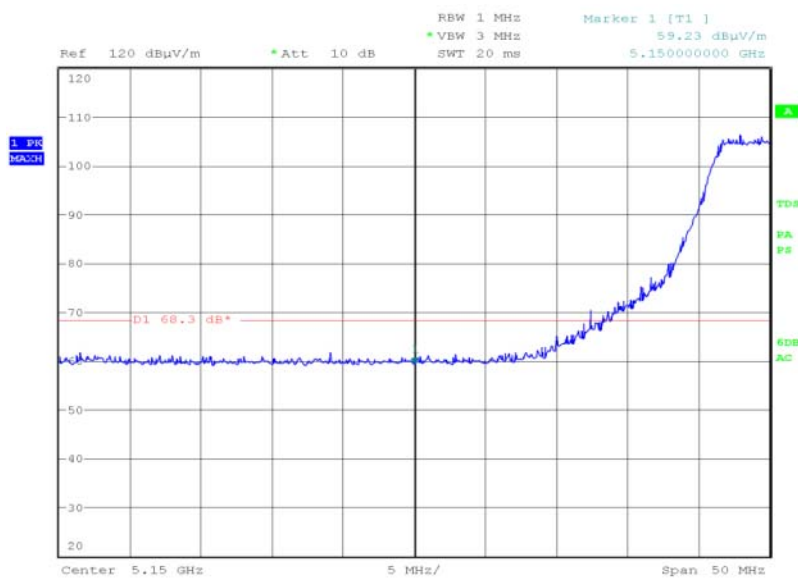


Date: 9.DEC.2014 22:55:48



Product Service

Band Edge	
Frequency (MHz)	Final Peak (dBm)
5150.00	-33.53
5350.00	-34.97
5470.00	-34.85
5725.00	-34.40

5150.00 MHzFinal Peak

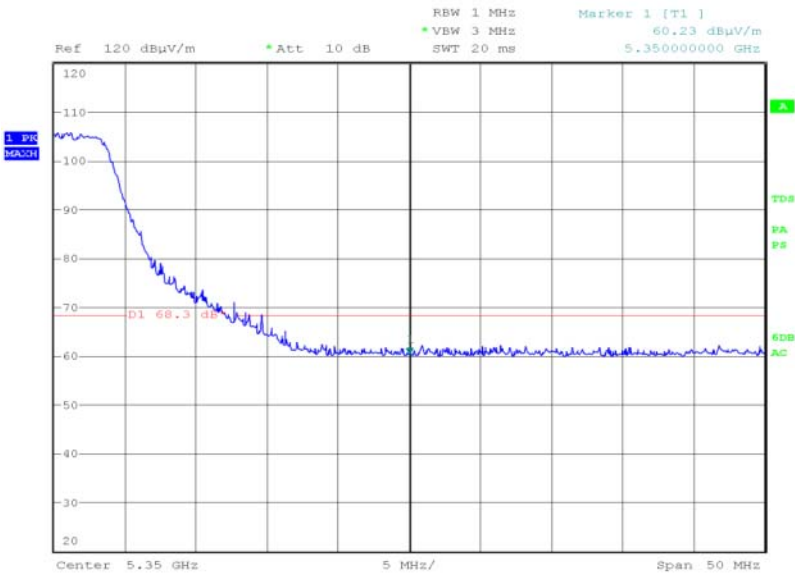
Date: 9.DEC.2014 22:10:19



Product Service

5350.00 MHz

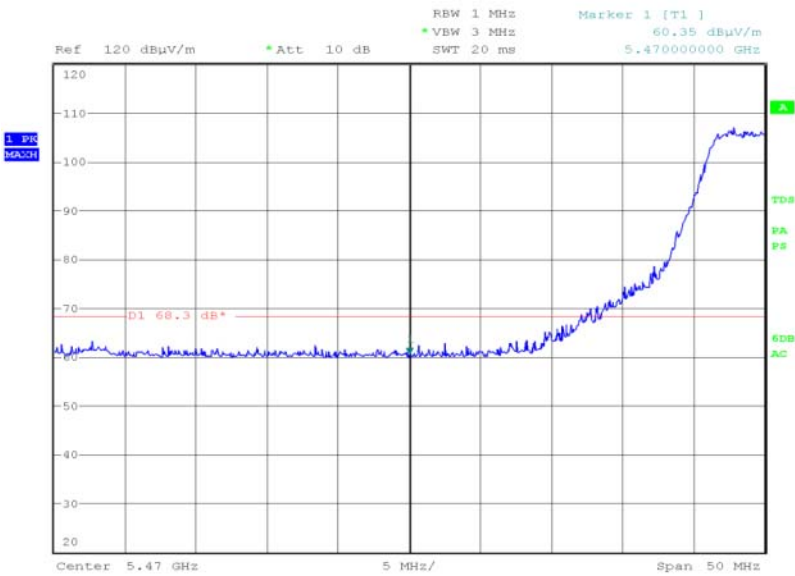
Final Peak



Date: 9.DEC.2014 22:21:26

5470.00 MHz

Final Peak



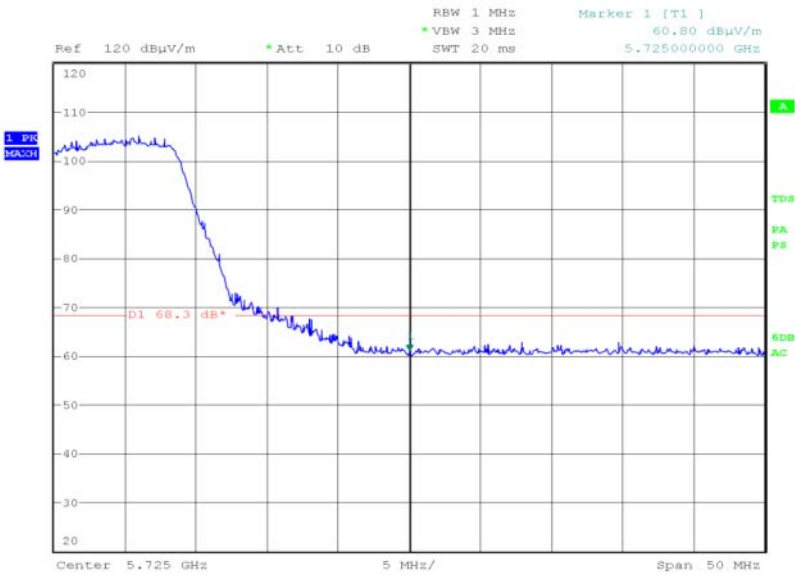
Date: 9.DEC.2014 22:53:00



Product Service

5725.00 MHz

Final Peak



Date: 9.DEC.2014 23:06:07

Remark

The test was performed on MCS7 because this was deemed the worst case data rate for 26 dB Bandwidth.

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

Limit

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

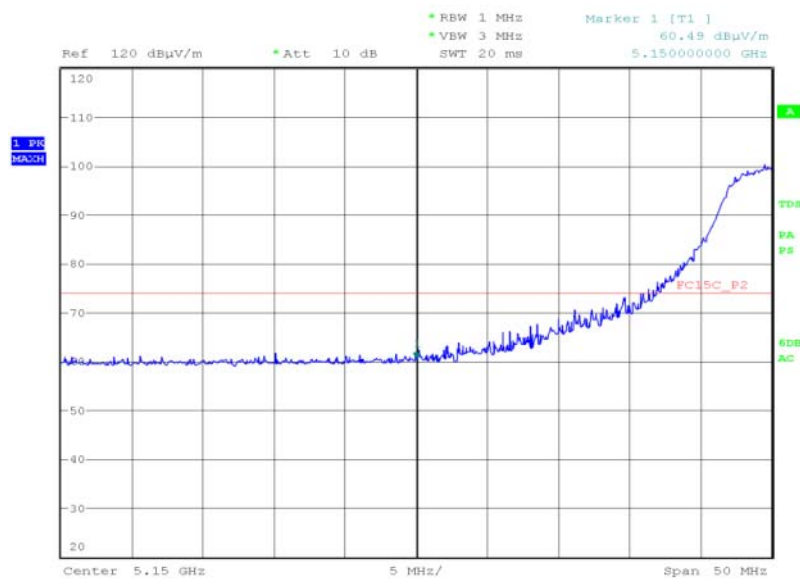
802.11(n) - 5 GHz 40 MHz BW

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	49.08
5350.00	62.26	49.96
5460.00	60.42	49.61

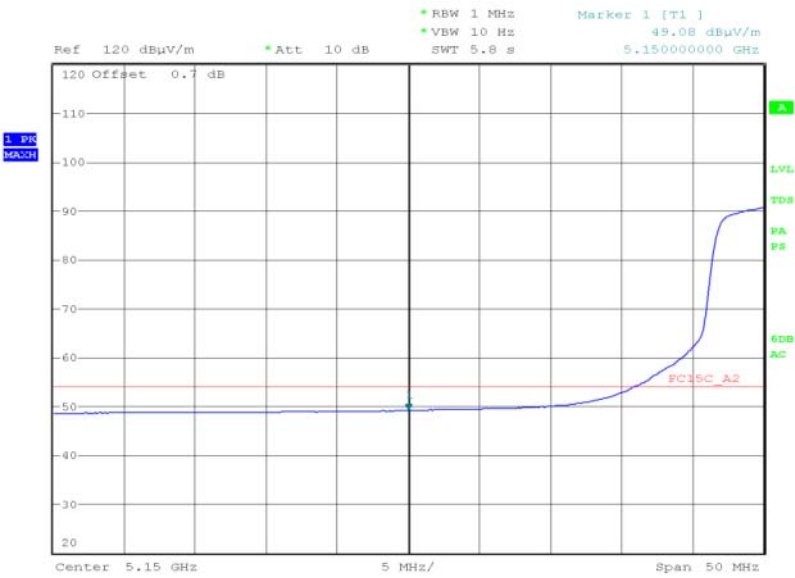
5150.00 MHzFinal Peak

Date: 10.DEC.2014 17:19:48



Product Service

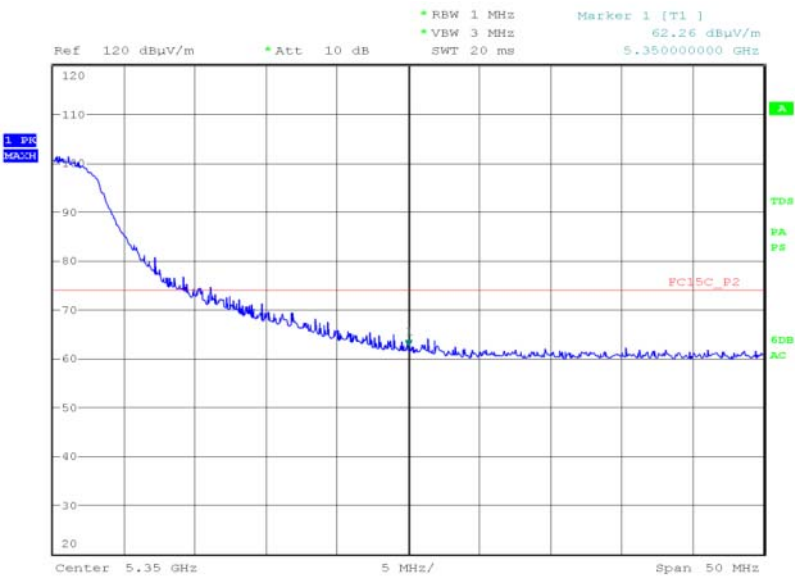
Final Average



Date: 10.DEC.2014 17:23:32

5350.00 MHz

Final Peak

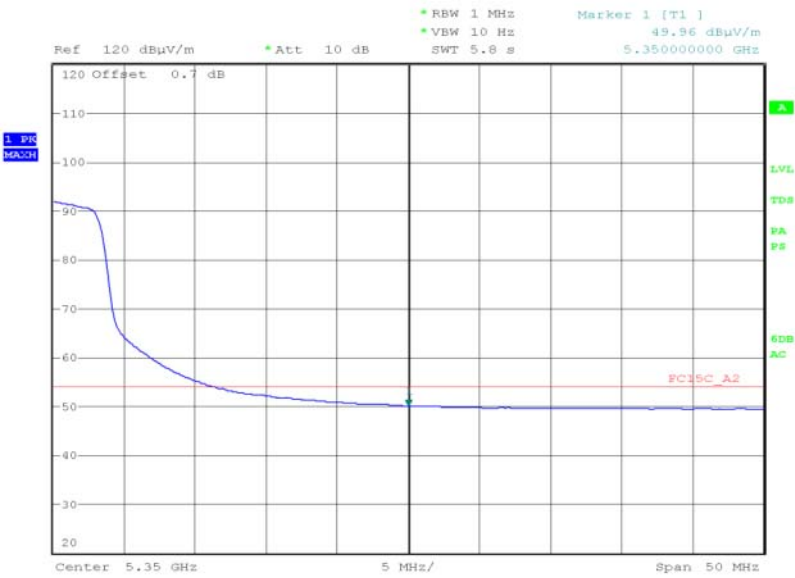


Date: 10.DEC.2014 17:58:28



Product Service

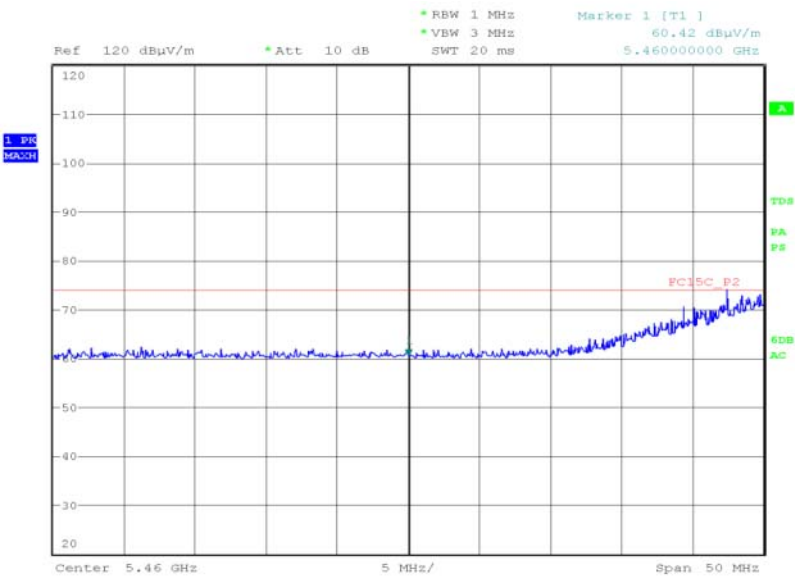
Final Average



Date: 10.DEC.2014 17:57:06

5460.00 MHz

Final Peak

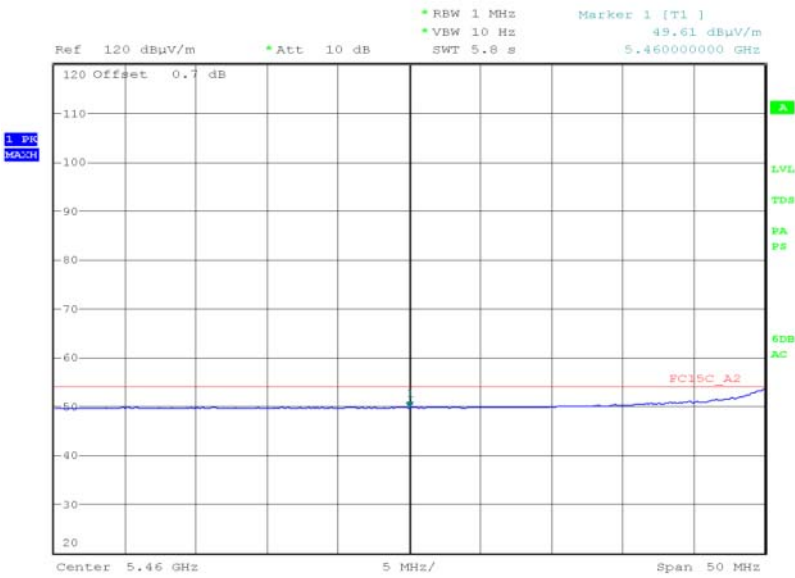


Date: 10.DEC.2014 18:55:09



Product Service

Final Average



Date: 10.DEC.2014 18:56:12

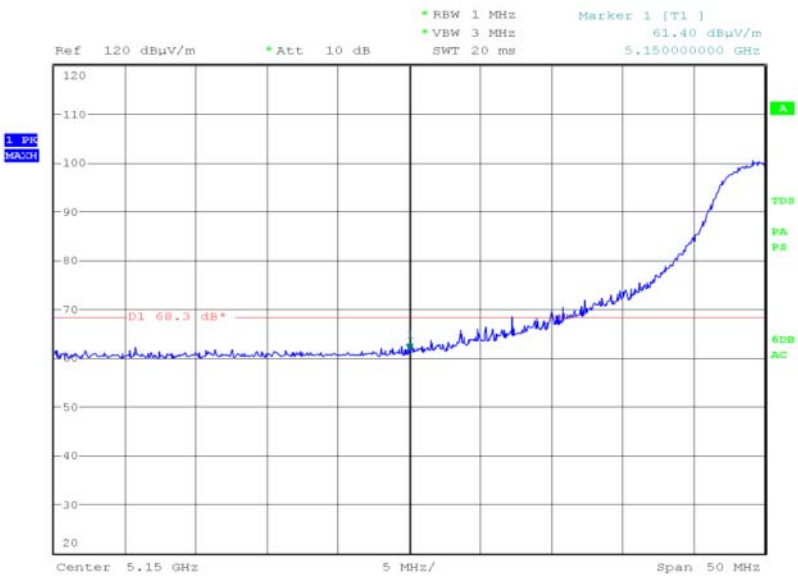


Product Service

Band Edge	
Frequency (MHz)	Final Peak (dBm)
5150.00	-33.80
5350.00	-32.74
5470.00	-33.33
5725.00	-35.01

5150.00 MHz

Final Peak



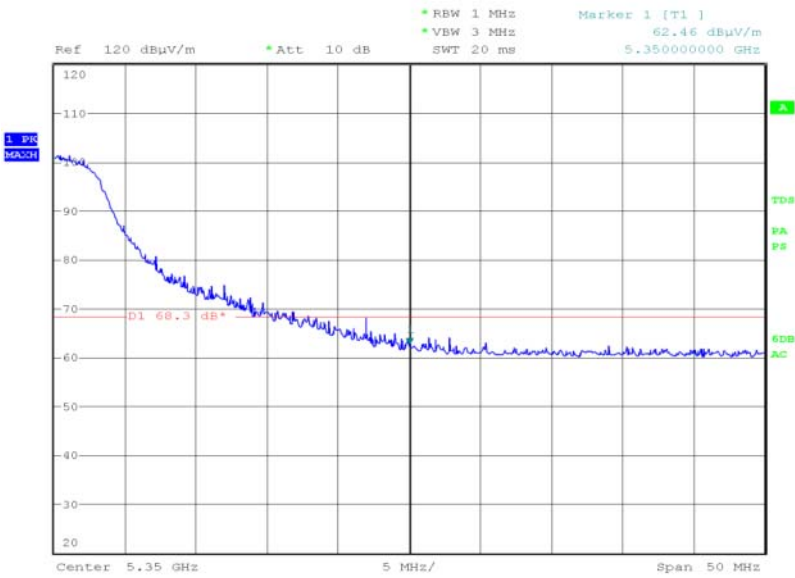
Date: 10.DEC.2014 17:18:20



Product Service

5350.00 MHz

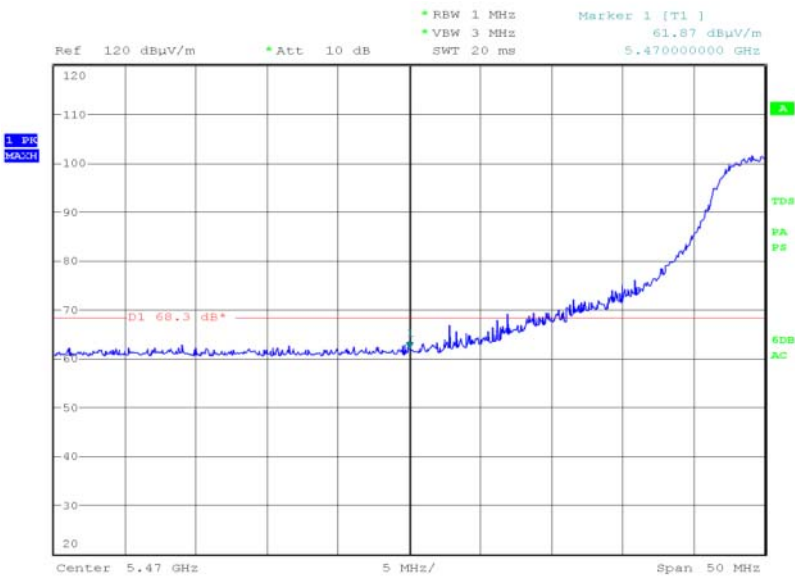
Final Peak



Date: 10.DEC.2014 17:59:24

5470.00 MHz

Final Peak



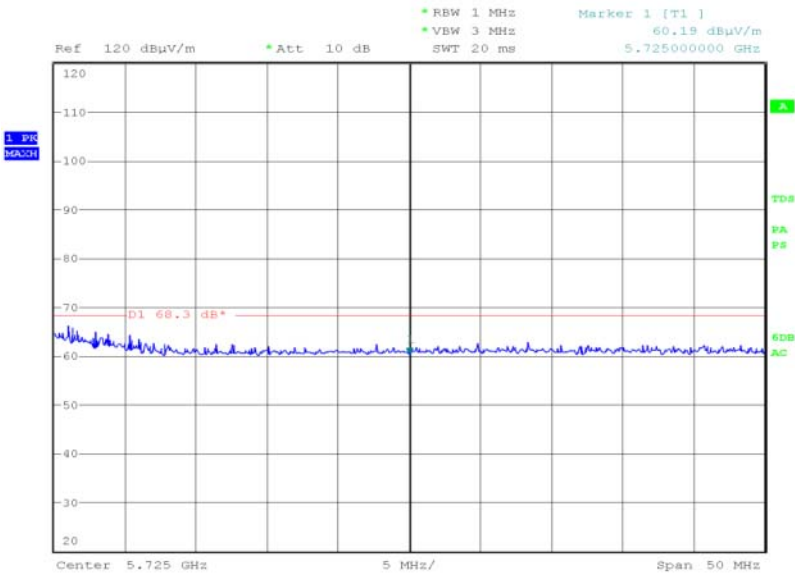
Date: 10.DEC.2014 19:02:42



Product Service

5725.00 MHz

Final Peak

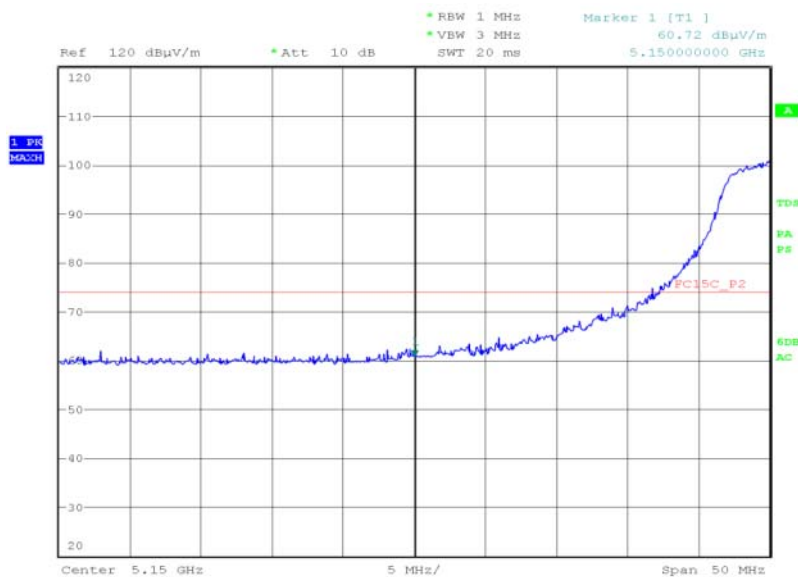


Date: 10.DEC.2014 18:33:02



Modulation/Data Rate: OFDM/MCS3

Restricted Bands of Operation		
Frequency (MHz)	Final Peak (dB μ V/m)	Final Average (dB μ V/m)
5150.00	60.72	49.19
5350.00	61.15	49.71
5460.00	60.52	49.47

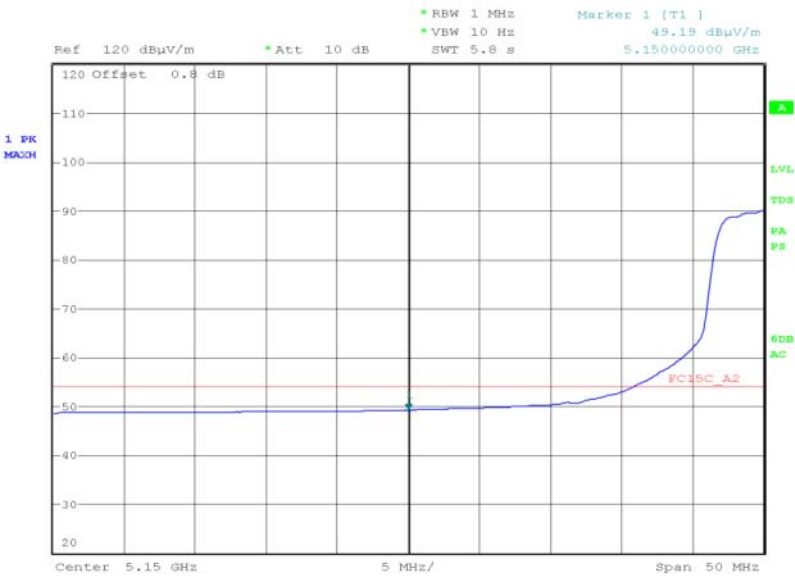
5150.00 MHzFinal Peak

Date: 10.DEC.2014 17:34:38



Product Service

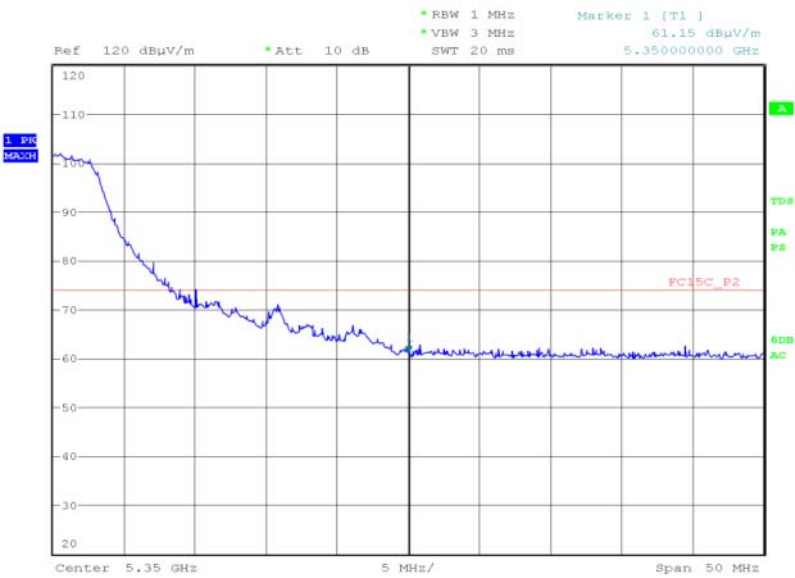
Final Average



Date: 14.DEC.2014 10:26:23

5350.00 MHz

Final Peak

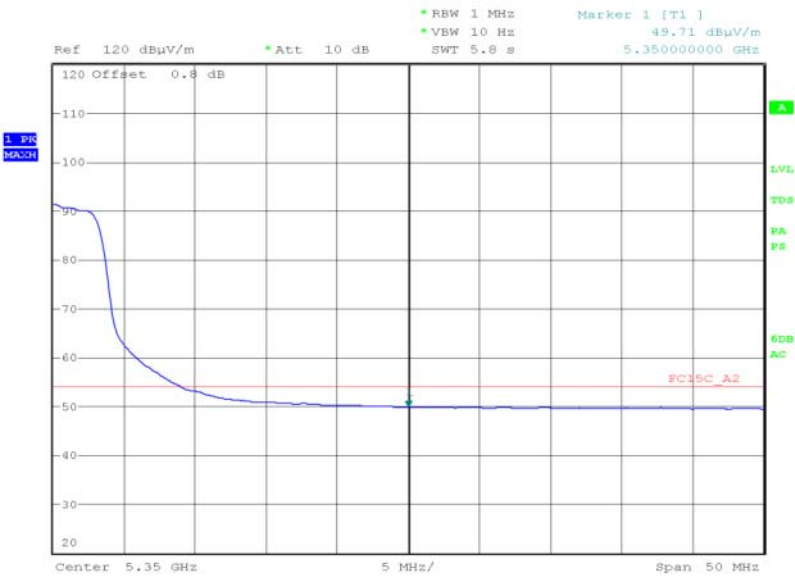


Date: 10.DEC.2014 17:49:24



Product Service

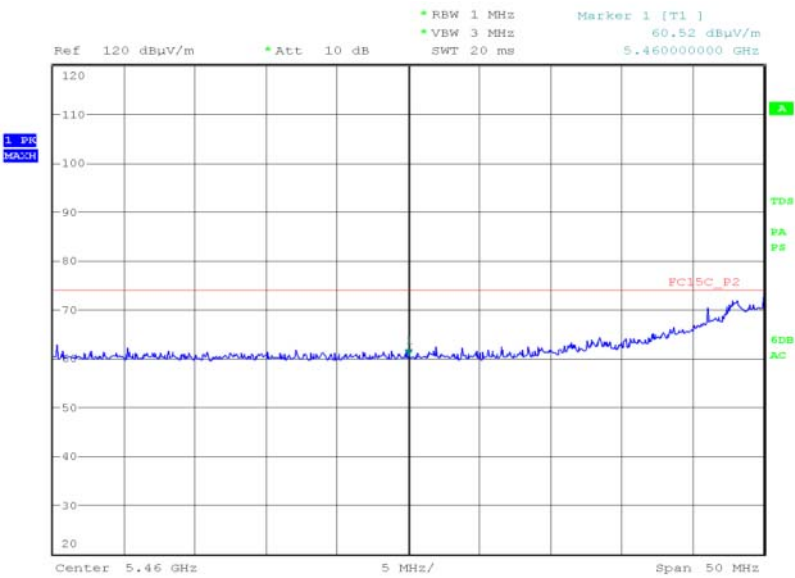
Final Average



Date: 14.DEC.2014 10:29:28

5460.00 MHz

Final Peak

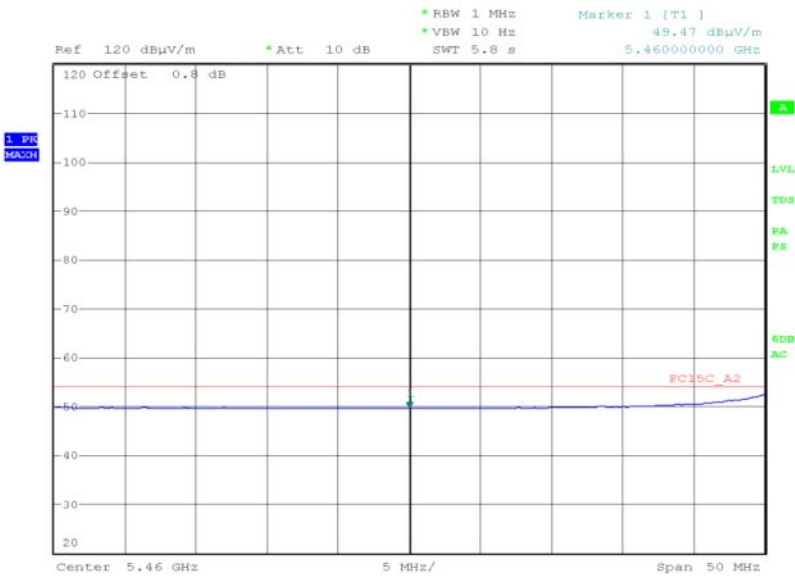


Date: 10.DEC.2014 18:58:24



Product Service

Final Average



Date: 14.DEC.2014 10:32:53

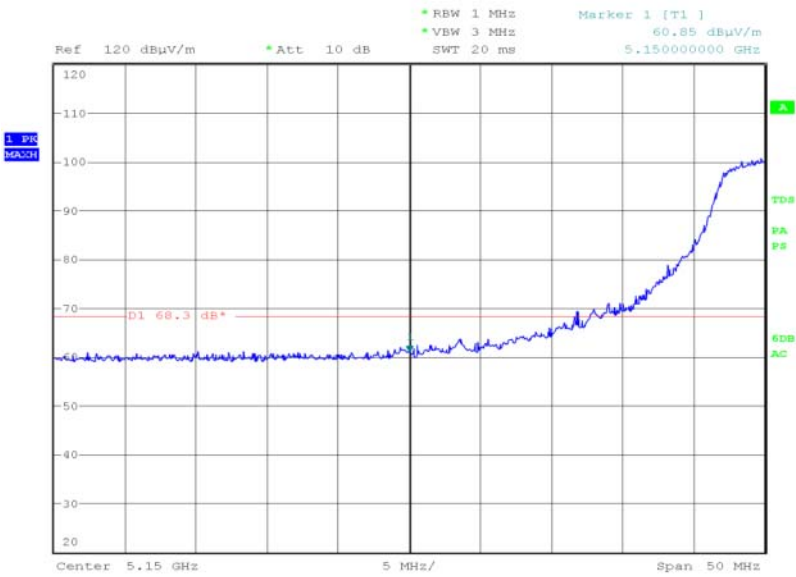


Product Service

Band Edge	
Frequency (MHz)	Final Peak (dBm)
5150.00	-32.74
5350.00	-32.08
5470.00	-33.05
5725.00	-34.95

5150.00 MHz

Final Peak



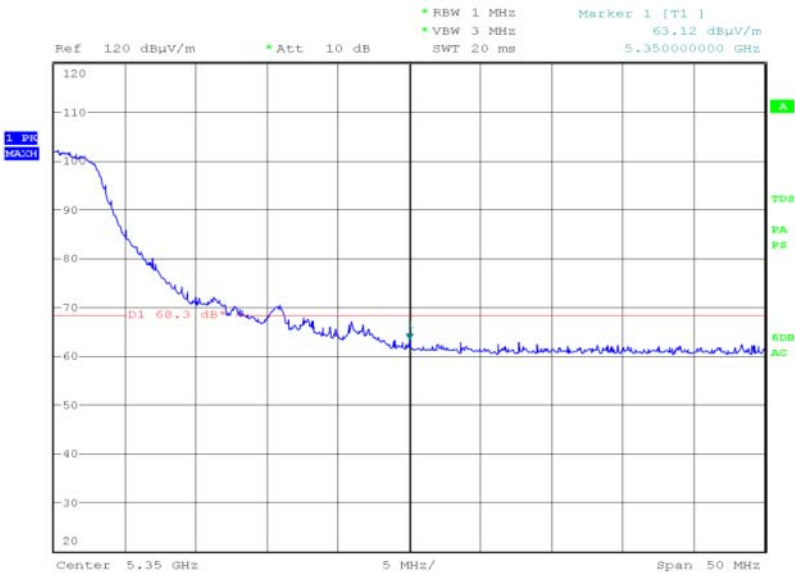
Date: 10.DEC.2014 17:35:53



Product Service

5350.00 MHz

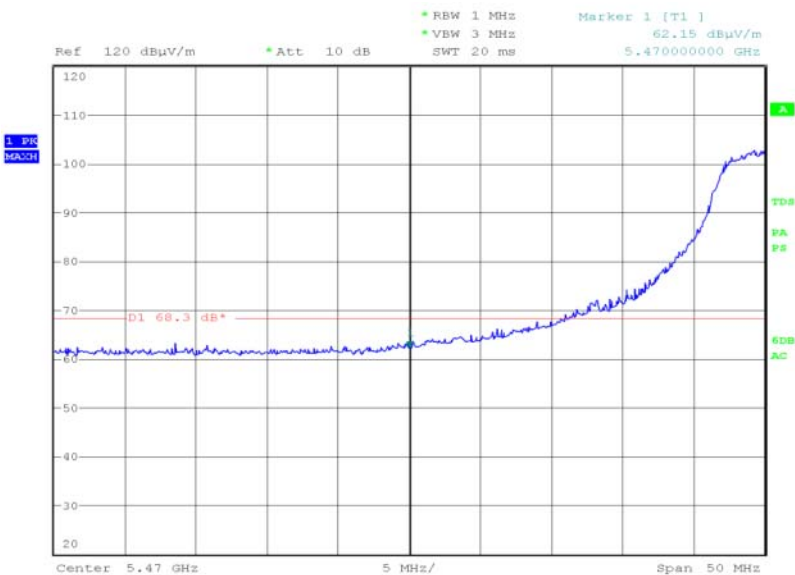
Final Peak



Date: 10.DEC.2014 17:47:36

5470.00 MHz

Final Peak



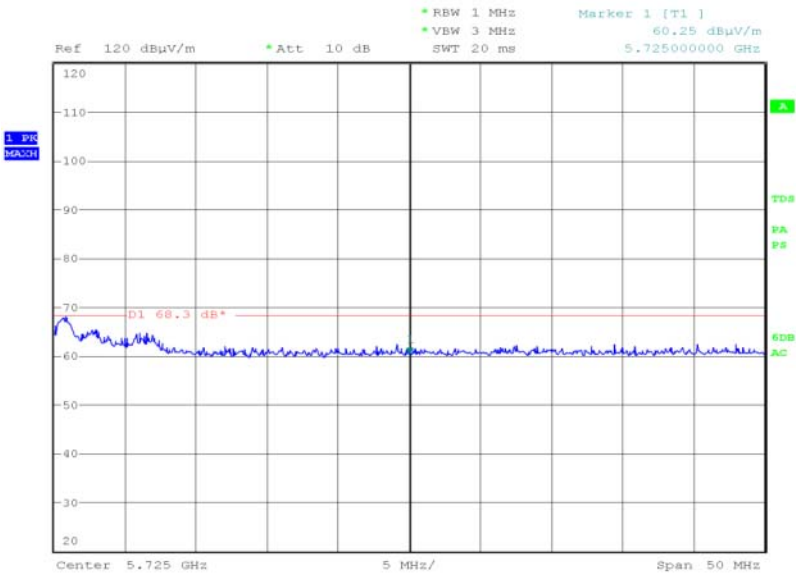
Date: 10.DEC.2014 18:46:35



Product Service

5725.00 MHz

Final Peak



Date: 10.DEC.2014 18:34:31

Remark

The test was performed on MCS3 because this was deemed the worst case data rate for 26 dB Bandwidth.

The test was performed on MCS0 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

2.6 FREQUENCY STABILITY

2.6.1 Specification Reference

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

2.6.2 Equipment Under Test and Modification State

SHV31 S/N: IMEI 004401115316073 - Modification State 0

2.6.3 Date of Test

15 December 2014

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 set to transmit at maximum power on bottom and/or top channels in the band of operation on the data rate pre-determined to give the highest level of average output power. The EUT was connected to a spectrum analyser via a cable and attenuator and the resultant trace was displayed on screen with the operating band edges shown as an emission limit of -27dBm/MHz to ensure the emission is maintained with the band of operation.

Measurements were made at ambient and extremes of the manufacturer declared temperature range with the maximum and minimum end point battery supply voltages declared by the manufacturer. The EUT was stabilised at each temperature variation prior to measurements being made.

2.6.6 Environmental Conditions

Ambient Temperature	24.0°C
Relative Humidity	33.0%



Product Service

2.6.7 Test Results802.11(a)

4.0 V DC Supply

Frequency Band 1

Temperature Interval	Supply Voltage	Frequency Stability
		5180 MHz
-10°C	4.0 V DC	Pass
	3.7 V DC	Pass
+50°C	4.0 V DC	Pass
	3.7 V DC	Pass

Frequency Band 2

Temperature Interval	Supply Voltage	Frequency Stability
		5320 MHz
-10°C	4.0 V DC	Pass
	3.7 V DC	Pass
+50°C	4.0 V DC	Pass
	3.7 V DC	Pass

Frequency Band 3

Temperature Interval	Supply Voltage	Frequency Stability	
		5500 MHz	5700 MHz
-10°C	4.0 V DC	Pass	Pass
	3.7 V DC	Pass	Pass
+50°C	4.0 V DC	Pass	Pass
	3.7 V DC	Pass	Pass

Limit

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

802.11(ac) - 5 GHz 20 MHz BW

4.0 V DC Supply

Frequency Band 1

Temperature Interval	Supply Voltage	Frequency Stability
		5180 MHz
-10°C	4.0 V DC	Pass
	3.7 V DC	Pass
+50°C	4.0 V DC	Pass
	3.7 V DC	Pass

Frequency Band 2

Temperature Interval	Supply Voltage	Frequency Stability
		5320 MHz
-10°C	4.0 V DC	Pass
	3.7 V DC	Pass
+50°C	4.0 V DC	Pass
	3.7 V DC	Pass

Frequency Band 3

Temperature Interval	Supply Voltage	Frequency Stability
		5700 MHz
-10°C	4.0 V DC	Pass
	3.7 V DC	Pass
+50°C	4.0 V DC	Pass
	3.7 V DC	Pass

Limit

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

802.11(ac) - 5 GHz 40 MHz BW

4.0 V DC Supply

Frequency Band 1

Temperature Interval	Supply Voltage	Frequency Stability
		5190 MHz
-10°C	4.0 V DC	Pass
	3.7 V DC	Pass
+50°C	4.0 V DC	Pass
	3.7 V DC	Pass

Frequency Band 2

Temperature Interval	Supply Voltage	Frequency Stability
		5310 MHz
-10°C	4.0 V DC	Pass
	3.7 V DC	Pass
+50°C	4.0 V DC	Pass
	3.7 V DC	Pass

Frequency Band 3

Temperature Interval	Supply Voltage	Frequency Stability
		5670 MHz
-10°C	4.0 V DC	Pass
	3.7 V DC	Pass
+50°C	4.0 V DC	Pass
	3.7 V DC	Pass

Limit

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

802.11(ac) - 5 GHz 80 MHz BW

4.0 V DC Supply

Frequency Band 1

Temperature Interval	Supply Voltage	Frequency Stability
		5210 MHz
-10°C	4.0 V DC	Pass
	3.7 V DC	Pass
+50°C	4.0 V DC	Pass
	3.7 V DC	Pass

Frequency Band 2

Temperature Interval	Supply Voltage	Frequency Stability
		5290 MHz
-10°C	4.0 V DC	Pass
	3.7 V DC	Pass
+50°C	4.0 V DC	Pass
	3.7 V DC	Pass

Frequency Band 3

Temperature Interval	Supply Voltage	Frequency Stability
		5610 MHz
-10°C	4.0 V DC	Pass
	3.7 V DC	Pass
+50°C	4.0 V DC	Pass
	3.7 V DC	Pass

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 20 MHz BW

4.0 V DC Supply

Frequency Band 1

Temperature Interval	Supply Voltage	Frequency Stability
		5180 MHz
-10°C	4.0 V DC	Pass
	3.7 V DC	Pass
+50°C	4.0 V DC	Pass
	3.7 V DC	Pass

Frequency Band 2

Temperature Interval	Supply Voltage	Frequency Stability
		5320 MHz
-10°C	4.0 V DC	Pass
	3.7 V DC	Pass
+50°C	4.0 V DC	Pass
	3.7 V DC	Pass

Frequency Band 3

Temperature Interval	Supply Voltage	Frequency Stability	
		5500 MHz	5700 MHz
-10°C	4.0 V DC	Pass	Pass
	3.7 V DC	Pass	Pass
+50°C	4.0 V DC	Pass	Pass
	3.7 V DC	Pass	Pass

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

4.0 V DC Supply

Frequency Band 1

Temperature Interval	Supply Voltage	Frequency Stability
		5190 MHz
-10°C	4.0 V DC	Pass
	3.7 V DC	Pass
+50°C	4.0 V DC	Pass
	3.7 V DC	Pass

Frequency Band 2

Temperature Interval	Supply Voltage	Frequency Stability
		5310 MHz
-10°C	4.0 V DC	Pass
	3.7 V DC	Pass
+50°C	4.0 V DC	Pass
	3.7 V DC	Pass

Frequency Band 3

Temperature Interval	Supply Voltage	Frequency Stability
		5670 MHz
-10°C	4.0 V DC	Pass
	3.7 V DC	Pass
+50°C	4.0 V DC	Pass
	3.7 V DC	Pass

Limit

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

SECTION 3

TEST EQUIPMENT USED



3.1 TEST EQUIPMENT USED

List of absolute measuring and other principal items of test equipment.

Instrument	Manufacturer	Type No.	TE No.	Calibration Period (months)	Calibration Due
Section 2.1 – AC Line Conducted Emissions					
3 phase LISN	Rohde & Schwarz	ESH2-Z5	323	12	16-Jan-2015
Screened Room (5)	Rainford	Rainford	1545	24	10-Jan-2015
Transient Limiter	Hewlett Packard	11947A	2378	12	1-Jul-2015
Compliance 5 Emissions	Schaffner	C5e Software V.5.00.00	3275	-	N/A - Software
EMI Test Receiver	Rohde & Schwarz	ESU40	3506	12	27-Oct-2015
Section 2.2 - 26 dB Bandwidth					
Power Supply Unit	Farnell	D302T	609	-	O/P Mon
Attenuator (10dB, 50W)	Aeroflex / Weinschel	47-10-34	3166	12	16-Sep-2015
Hygrometer	Rotronic	I-1000	3220	12	24-Jul-2015
Network Analyser	Rohde & Schwarz	ZVA 40	3548	12	3-Sep-2015
Calibration Unit	Rohde & Schwarz	ZV-Z54	4368	12	24-Sep-2015
PXA Signal Analyser	Agilent Technologies	N9030A PXA	4409	12	27-Feb-2015
Section 2.3 - Power Limits					
Power Supply Unit	Farnell	LT30-2	41	-	O/P Mon
Power Supply Unit	Hewlett Packard	6282A	132	-	TU
Antenna (Double Ridge Guide, 1GHz-18GHz)	EMCO	3115	234	12	2-May-2015
Attenuator 10dB/25W	Weinschel	46-10-43	400	12	4-Jun-2015
Multimeter	Fluke	75 Mk3	455	12	23-Jul-2015
Attenuator (10dB)	Weinschel	47-10-34	481	12	28-Mar-2015
Rubidium Standard	Rohde & Schwarz	XSRM	1316	6	18-Jan-2015
Screened Room (5)	Rainford	Rainford	1545	24	10-Jan-2015
Turntable Controller	Inn-Co GmbH	CO 1000	1606	-	TU
Multimeter	Iso-tech	IDM101	2419	12	7-Oct-2015
Spectrum Analyser	Rohde & Schwarz	FSU26	2747	12	9-Jan-2015
Antenna (Bilog)	Chase	CBL6143	2904	24	10-Jun-2015
Antenna (Log Periodic)	Schaffner	UPA6108	3109	12	16-May-2015
Antenna (DRG Horn)	ETS-LINDGREN	3115	3125	12	16-Jul-2015
Signal Generator (10MHz to 40GHz)	Rohde & Schwarz	SMR40	3171	12	18-Sep-2015
Amplifier (1 - 8GHz)	Phase One	PS06-0060	3175	12	11-Aug-2015
Hygrometer	Rotronic	I-1000	3220	12	24-Jul-2015
Signal Generator: 10MHz to 20GHz	Rohde & Schwarz	SMR20	3475	12	10-Feb-2015
EMI Test Receiver	Rohde & Schwarz	ESU40	3506	12	27-Oct-2015
Network Analyser	Rohde & Schwarz	ZVA 40	3548	12	3-Sep-2015
7m Armoured RF Cable	SSI Cable Corp.	1501-13-13-7m WA(-)	3600	-	TU
9m RF Cable (N Type)	Rhophase	NPS-2303-9000-NPS	3791	-	TU
Combiner/Splitter	Weinschel	1506A	3877	12	21-Mar-2015
Tilt Antenna Mast	matur GmbH	TAM 4.0-P	3916	-	TU
Mast Controller	matur GmbH	NCD	3917	-	TU
P-Series Power Meter	Agilent Technologies	N1911A	3981	12	22-Sep-2015
50 MHz-18 GHz Wideband Power Sensor	Agilent Technologies	N1921A	3983	12	22-Sep-2015
Wideband Radio Communication Tester	Rohde & Schwarz	CMW 500	4144	12	7-Nov-2015
Calibration Unit	Rohde & Schwarz	ZV-Z54	4368	12	24-Sep-2015
Frequency Standard	Spectracom	Secure Sync 1200-0408-0601	4393	6	18-Jan-2015



Product Service

Instrument	Manufacturer	Type No.	TE No.	Calibration Period (months)	Calibration Due
Section 2.4 - Peak Power Spectral Density					
Power Supply Unit	Farnell	D302T	609	-	O/P Mon
Attenuator (10dB, 50W)	Aeroflex / Weinschel	47-10-34	3166	12	16-Sep-2015
Hygrometer	Rotronic	I-1000	3220	12	24-Jul-2015
Network Analyser	Rohde & Schwarz	ZVA 40	3548	12	3-Sep-2015
Calibration Unit	Rohde & Schwarz	ZV-Z54	4368	12	24-Sep-2015
PXA Signal Analyser	Agilent Technologies	N9030A PXA	4409	12	27-Feb-2015
Section 2.5 - Undesirable Emission Limits					
Antenna (Double Ridge Guide)	Link Microtek Ltd	AM180HA-K-TU2	230	24	26-Nov-2015
Antenna (Double Ridge Guide, 1GHz-18GHz)	EMCO	3115	234	12	2-May-2015
Pre-Amplifier	Phase One	PSO4-0087	1534	12	1-Oct-2015
Screened Room (5)	Rainford	Rainford	1545	24	10-Jan-2015
Turntable Controller	Inn-Co GmbH	CO 1000	1606	-	TU
Filter (Hi Pass)	Lorch	9HP7-7000-SR	2833	12	4-Feb-2015
Antenna (Bilog)	Chase	CBL6143	2904	24	10-Jun-2015
Amplifier (1 - 8GHz)	Phase One	PS06-0060	3175	12	11-Aug-2015
Signal Generator: 10MHz to 20GHz	Rohde & Schwarz	SMR20	3475	12	10-Feb-2015
EMI Test Receiver	Rohde & Schwarz	ESU40	3506	12	27-Oct-2015
'3.5mm' - '3.5mm' RF Cable (1m)	Rhophase	3PS-1803-1000-3PS	3697	12	28-Feb-2015
9m RF Cable (N Type)	Rhophase	NPS-2303-9000-NPS	3791	-	TU
Tilt Antenna Mast	mature GmbH	TAM 4.0-P	3916	-	TU
Mast Controller	mature GmbH	NCD	3917	-	TU
1 Metre K Type Cable	Rhophase	KPS-1501A-1000-KPS	4105	12	7-Nov-2015
Cable 1503 2M 2.92(P)m 2.92(P)m	Rhophase	KPS-1503A-2000-KPS	4293	12	3-Jun-2015
1GHz to 8GHz Low Noise Amplifier	Wright Technologies	APS04-0085	4365	12	1-Oct-2015
Section 2.6 - Frequency Stability					
Power Supply Unit	Farnell	LT30-2	41	-	O/P Mon
Attenuator 10dB/25W	Weinschel	46-10-43	400	12	4-Jun-2015
Communications Tester	Rohde & Schwarz	CMU 200	442	12	8-Dec-2014
Multimeter	Fluke	75 Mk3	455	12	23-Jul-2015
Temperature Chamber	Montford	2F3	467	-	O/P Mon
Power Supply Unit	Farnell	D302T	609	-	O/P Mon
Rubidium Standard	Rohde & Schwarz	XSRM	1316	6	18-Jan-2015
Digital Temperature Indicator	Fluke	51	2267	12	24-Sep-2015
Digital Thermometer	Digitron	T208	2831	12	31-Jul-2015
Hygrometer	Rotronic	I-1000	2891	12	16-Jul-2015
Power Supply	Farnell	LT30-2	2903	-	TU
Radio Communications Test Set	Rohde & Schwarz	CMU 200	3035	12	6-Nov-2015
Attenuator (30dB/50W)	Aeroflex / Weinschel	47-30-34	3164	12	12-Dec-2014
Hygrometer	Rotronic	I-1000	3220	12	24-Jul-2015
Attenuator (10dB, 20W)	Lucas Weinschel	1	3225	12	12-Dec-2014
True RMS Multimeter	Fluke	179	4007	12	31-Jul-2015
2 Metre SMA Type Cable	Rhophase	3PS-1801A-2000-3PS	4111	12	7-Nov-2015
Wideband Radio Communication Tester	Rohde & Schwarz	CMW 500	4144	12	7-Nov-2015
Frequency Standard	Spectracom	Secure Sync 1200-0408-0601	4393	6	18-Jan-2015

TU – Traceability Unscheduled

O/P MON – Output Monitored with Calibrated Equipment



3.2 MEASUREMENT UNCERTAINTY

For a 95% confidence level, the measurement uncertainties for defined systems are:-

Test Discipline	MU
Frequency Stability	± 90.32 Hz
Power Limits	Conducted: ± 0.70 dB Radiated: 30MHz to 1GHz: ± 5.1 dB Radiated: 1GHz to 40GHz: ± 6.3 dB
26 dB Bandwidth	± 5.72 kHz
Undesirable Emission Limits	Conducted: ± 3.454 dB Radiated: ± 3.08 dB
AC Line Conducted Emissions	± 3.2 dB
Peak Power Spectral Density	± 3.0 dB



Product Service

SECTION 4

ACCREDITATION, DISCLAIMERS AND COPYRIGHT



4.1 ACCREDITATION, DISCLAIMERS AND COPYRIGHT



This report relates only to the actual item/items tested.

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