



Product Service

802.11n - 5 GHz 20 MHz Bandwidth, 5320 MHz, 64-QAM, MCS0, Frequency Band 2, Peak Power Spectral Density Plot





Product Service

802.11n - 5 GHz 20 MHz Bandwidth, 5500 MHz, 64-QAM, MCS0, Frequency Band 3, Peak Power Spectral Density Results

5500 MHz		
dBm		
Port A	Port B	Total Power
-1.09	-1.82	1.57

802.11n - 5 GHz 20 MHz Bandwidth, 5500 MHz, 64-QAM, MCS0, Frequency Band 3, Port A, Peak Power Spectral Density Plot





Product Service

802.11n - 5 GHz 20 MHz Bandwidth, 5500 MHz, 64-QAM, MCS0, Frequency Band 3, Port B, Peak Power Spectral Density Plot



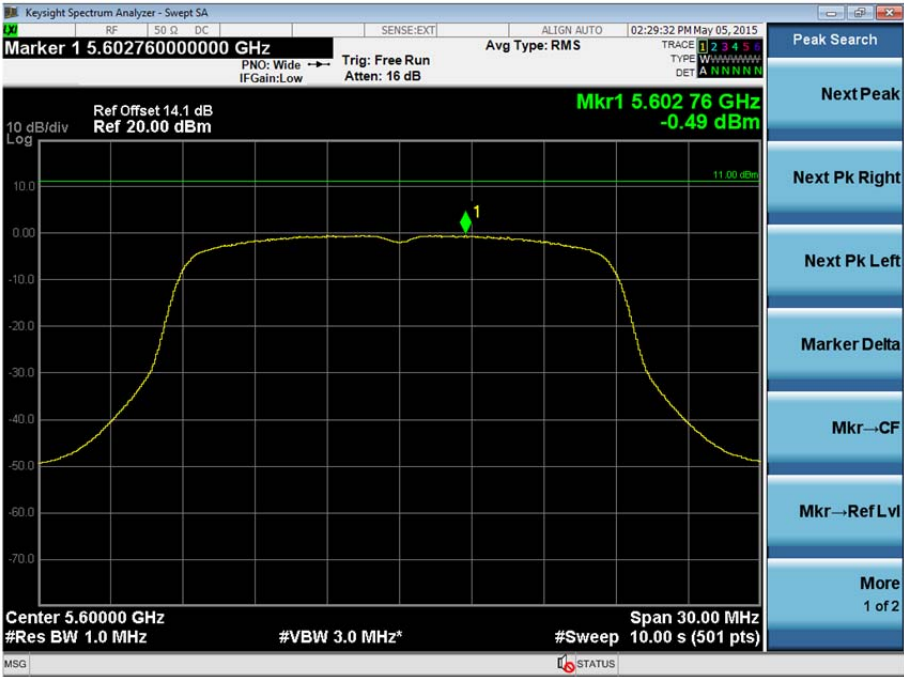


Product Service

802.11n - 5 GHz 20 MHz Bandwidth, 5600 MHz, 64-QAM, MCS0, Frequency Band 3, Peak Power Spectral Density Results

5600 MHz		
dBm		
Port A	Port B	Total Power
-0.49	-1.42	2.08

802.11n - 5 GHz 20 MHz Bandwidth, 5600 MHz, 64-QAM, MCS0, Frequency Band 3, Port A, Peak Power Spectral Density Plot





Product Service

802.11n - 5 GHz 20 MHz Bandwidth, 5600 MHz, 64-QAM, MCS0, Frequency Band 3, Port B,
Peak Power Spectral Density Plot





Product Service

802.11n - 5 GHz 20 MHz Bandwidth, 5700 MHz, 64-QAM, MCS0, Frequency Band 3, Peak Power Spectral Density Results

5700 MHz		
dBm		
Port A	Port B	Total Power
-2.31	-2.14	0.79

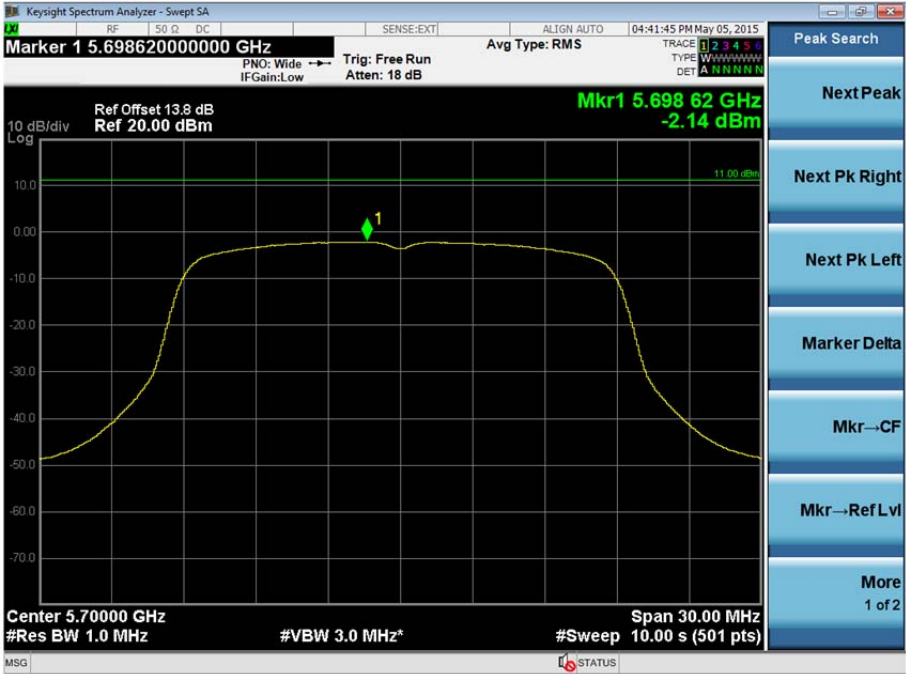
802.11n - 5 GHz 20 MHz Bandwidth, 5700 MHz, 64-QAM, MCS0, Frequency Band 3, Peak Power Spectral Density Plot





Product Service

802.11n - 5 GHz 20 MHz Bandwidth, 5700 MHz, 64-QAM, MCS0, Frequency Band 3, Peak Power Spectral Density Plot



Remarks

Port A = ANT-0 and Port B = ANT-1

FCC 47 CFR Part 15, Limit Clause 15.407 (a)(1)(2)(3)

Frequency Band (MHz)	Limit
5150 to 5250	≤11 dBm /MHz
5250 to 5350	≤11 dBm / 1 MHz
5470 to 5725	≤11 dBm / 1 MHz
5725 to 5825	≤30 dBm / 500 kHz



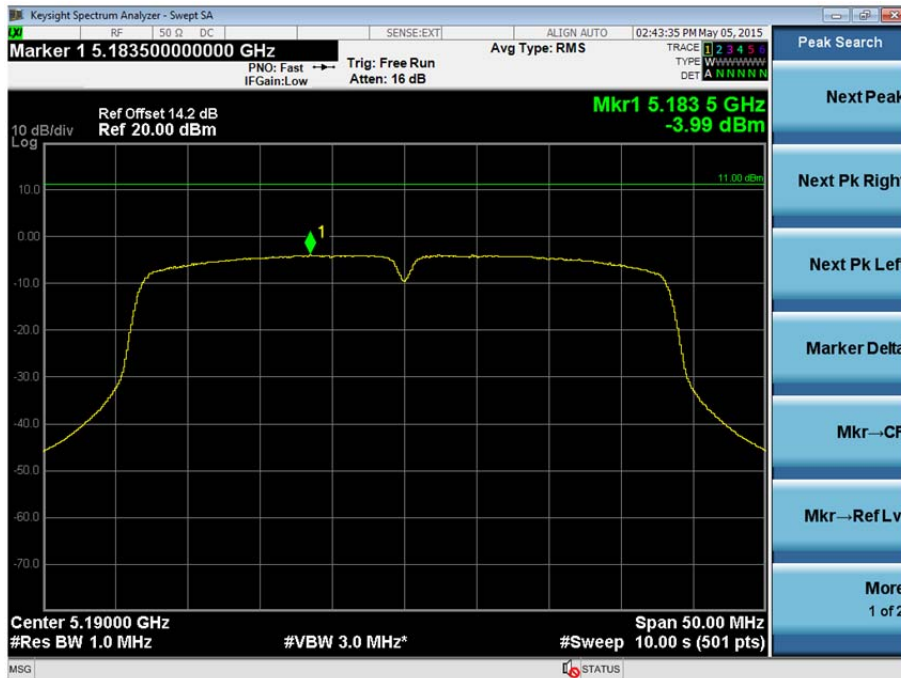
Product Service

Duty cycle : 91.47%

802.11n - 5 GHz 40 MHz Bandwidth, 5190 MHz, 64-QAM, MCS0, Frequency Band 1, Peak Power Spectral Density Results

5190 MHz		
dBm		
Port A	Port B	Total Power
-3.99	-4.33	-1.15

802.11n - 5 GHz 40 MHz Bandwidth, 5190 MHz, 64-QAM, MCS0, Frequency Band 1, Port A, Peak Power Spectral Density Plot





Product Service

802.11n - 5 GHz 40 MHz Bandwidth, 5190 MHz, 64-QAM, MCS0, Frequency Band 1, Port B,
Peak Power Spectral Density Plot





Product Service

802.11n - 5 GHz 40 MHz Bandwidth, 5230 MHz, 64-QAM, MCS0, Frequency Band 1, Peak Power Spectral Density Results

5230 MHz		
dBm		
Port A	Port B	Total Power
-3.96	-4.29	-1.11

802.11n - 5 GHz 40 MHz Bandwidth, 5230 MHz, 64-QAM, MCS0, Frequency Band 1, Peak Power Spectral Density Plot





Product Service

802.11n - 5 GHz 40 MHz Bandwidth, 5230 MHz, 64-QAM, MCS0, Frequency Band 1, Peak Power Spectral Density Plot





Product Service

802.11n - 5 GHz 40 MHz Bandwidth, 5270 MHz, 64-QAM, MCS0, Frequency Band 2, Peak Power Spectral Density Results

5270 MHz		
dBm		
Port A	Port B	Total Power
-3.87	-4.17	-1.01

802.11n - 5 GHz 40 MHz Bandwidth, 5270 MHz, 64-QAM, MCS0, Frequency Band 2, Port A, Peak Power Spectral Density Plot





Product Service

802.11n - 5 GHz 40 MHz Bandwidth, 5270 MHz, 64-QAM, MCS0, Frequency Band 2, Port B,
Peak Power Spectral Density Plot





Product Service

802.11n - 5 GHz 40 MHz Bandwidth, 5310 MHz, 64-QAM, MCS0, Frequency Band 2, Peak Power Spectral Density Results

5310 MHz		
dBm		
Port A	Port B	Total Power
-3.21	-3.72	-0.45

802.11n - 5 GHz 40 MHz Bandwidth, 5310 MHz, 64-QAM, MCS0, Frequency Band 2, Peak Power Spectral Density Plot





Product Service

802.11n - 5 GHz 40 MHz Bandwidth, 5310 MHz, 64-QAM, MCS0, Frequency Band 2, Peak Power Spectral Density Plot





Product Service

802.11n - 5 GHz 40 MHz Bandwidth, 5510 MHz, 64-QAM, MCS0, Frequency Band 3, Peak Power Spectral Density Results

5510 MHz		
dBm		
Port A	Port B	Total Power
-3.77	-4.22	-0.98

802.11n - 5 GHz 40 MHz Bandwidth, 5510 MHz, 64-QAM, MCS0, Frequency Band 3, Port A, Peak Power Spectral Density Plot





Product Service

802.11n - 5 GHz 40 MHz Bandwidth, 5510 MHz, 64-QAM, MCS0, Frequency Band 3, Port B,
Peak Power Spectral Density Plot





Product Service

802.11n - 5 GHz 40 MHz Bandwidth, 5590 MHz, 64-QAM, MCS0, Frequency Band 3, Peak Power Spectral Density Results

5590 MHz		
dBm		
Port A	Port B	Total Power
-3.32	-3.90	-0.59

802.11n - 5 GHz 40 MHz Bandwidth, 5590 MHz, 64-QAM, MCS0, Frequency Band 3, Port A, Peak Power Spectral Density Plot





Product Service

802.11n - 5 GHz 40 MHz Bandwidth, 5590 MHz, 64-QAM, MCS0, Frequency Band 3, Port B,
Peak Power Spectral Density Plot





Product Service

802.11n - 5 GHz 40 MHz Bandwidth, 5670 MHz, 64-QAM, MCS0, Frequency Band 3, Peak Power Spectral Density Results

5670 MHz		
dBm		
Port A	Port B	Total Power
-3.65	-4.35	-0.98

802.11n - 5 GHz 40 MHz Bandwidth, 5670 MHz, 64-QAM, MCS0, Frequency Band 3, Peak Power Spectral Density Plot





Product Service

802.11n - 5 GHz 40 MHz Bandwidth, 5670 MHz, 64-QAM, MCS0, Frequency Band 3, Peak Power Spectral Density Plot



Remarks

Port A = ANT-0 and Port B = ANT-1

FCC 47 CFR Part 15, Limit Clause 15.407 (a)(1)(2)(3)

Frequency Band (MHz)	Limit
5150 to 5250	≤11 dBm / 1 MHz
5250 to 5350	≤11 dBm / 1 MHz
5470 to 5725	≤11 dBm / 1 MHz
5725 to 5825	≤30 dBm / 500 kHz



Product Service

2.5 SPURIOUS RADIATED EMISSIONS

2.5.1 Specification Reference

FCC 47 CFR Part 15E, Clause 15.407 (b) and 15.205

2.5.2 Equipment Under Test and Modification State

SHV32 S/N: IMEI 004401115406825 - Modification State 0

2.5.3 Date of Test

22 April 2015, 23 April 2015, 24 April 2015, 26 April 2015, 27 April 2015, 28 April 2015 & 3 May 2015

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

This test was performed in accordance with KDB 789033 D02 v01, Section II clause G.

The following formula was used as per KDB 412172 D01 v01 to convert from field strength (dB μ V/m) to E.I.R.P (dBm).

$$\text{E.I.R.P} = (E \times d)^2 / 30$$

For a measurement distance of 3m, the used conversion factor from dB μ V/m to dBm is -95.2 dB.

2.5.6 Environmental Conditions

Ambient Temperature	19.9 - 21.9°C
Relative Humidity	27.0 - 43.0%



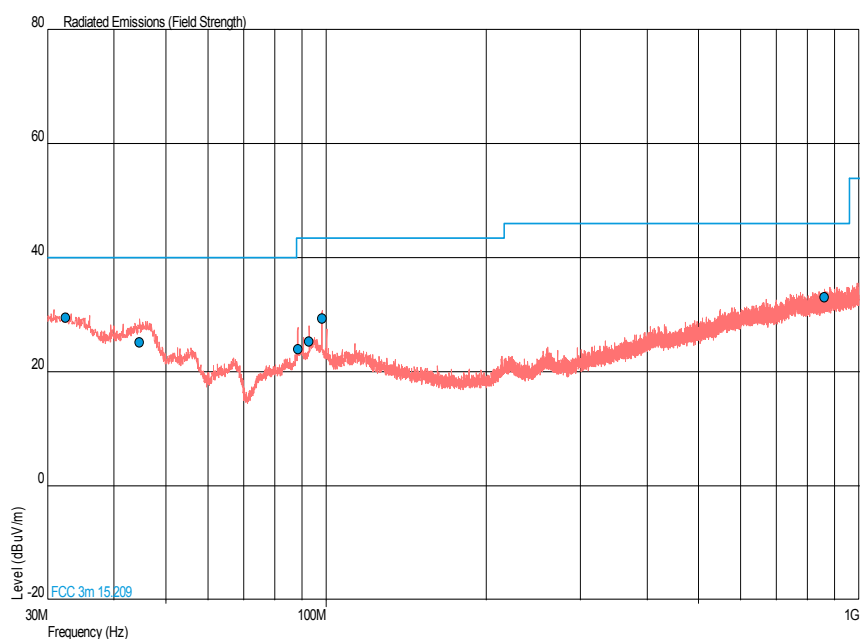
2.5.7 Test Results

4.0 V DC Supply

802.11a, 5180 MHz, 9 Mbps, 30 MHz to 1 GHz, Frequency Band 1, Spurious Radiated Emissions Results

Frequency (MHz)	QP Level (dB μ V/m)	QP Margin (dB μ V/m)	QP Level (μ V/m)	QP Margin (μ V/m)	Angle (°)	Height (m)	Polarisation
32.418	29.5	-10.5	29.9	-70.1	287	1.15	Vertical
44.696	25.2	-14.8	18.2	-81.8	6	1.00	Vertical
88.491	23.9	-19.6	15.7	-134.3	143	1.00	Vertical
92.907	25.3	-18.2	18.4	-131.6	173	1.25	Vertical
98.207	29.4	-14.1	29.5	-120.5	360	1.02	Vertical
861.727	33.0	-13.0	44.7	-155.3	320	1.00	Horizontal

802.11a, 5180 MHz, 9 Mbps, 30 MHz to 1 GHz, Frequency Band 1, Spurious Radiated Emissions Plot





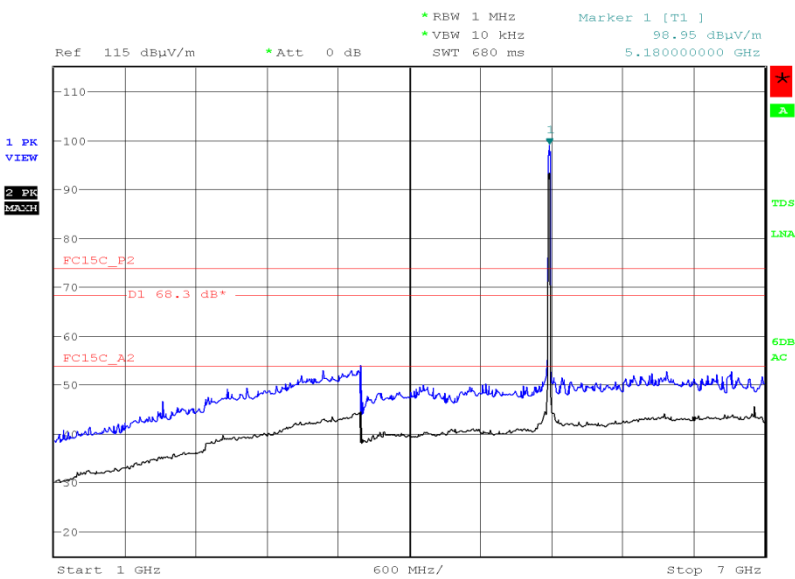
Product Service

802.11a, 5180 MHz, 9 Mbps, 1 GHz to 40 GHz, Frequency Band 1, Spurious Radiated Emissions Results

Frequency (MHz)	Final Peak (dBµV/m)	Final Average (dBµV/m)	Final Peak (µV/m)	Final Average (µV/m)	Angle (°)	Height (m)	Polarisation
*							

*No emissions were detected within 10 dB of the limit.

802.11a, 5180 MHz, 9 Mbps, 1 GHz to 7 GHz, Frequency Band 1, Spurious Radiated Emissions Plot

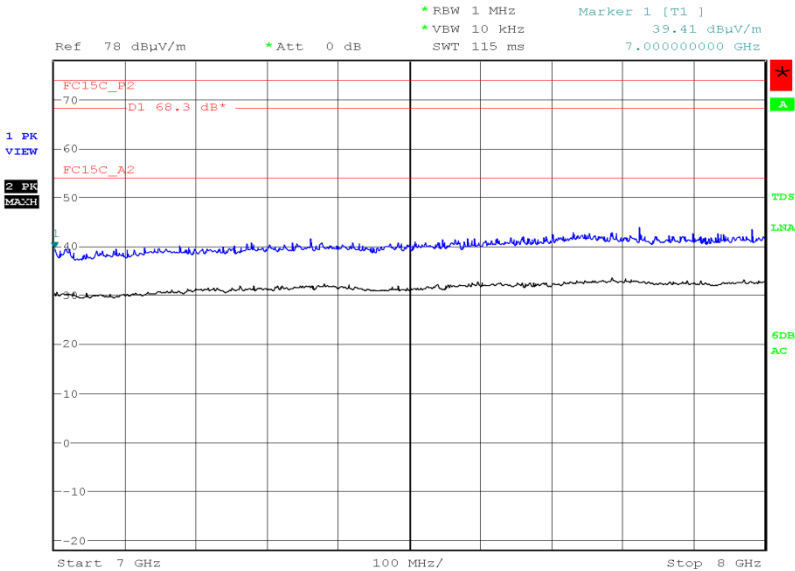


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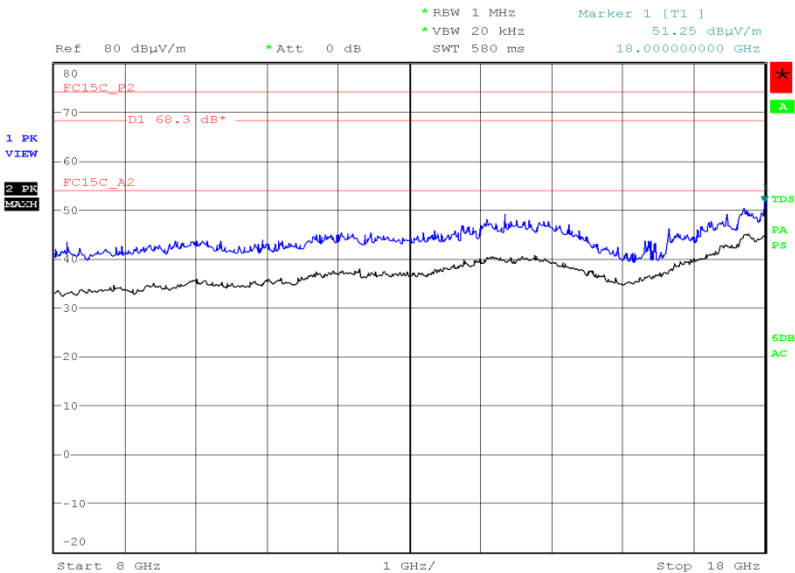
Product Service

802.11a, 5180 MHz, 9 Mbps, 7 GHz to 8 GHz, Frequency Band 1, Spurious Radiated Emissions Plot



Date: 26.APR.2015 11:34:06

802.11a, 5180 MHz, 9 Mbps, 8 GHz to 18 GHz, Frequency Band 1, Spurious Radiated Emissions Plot

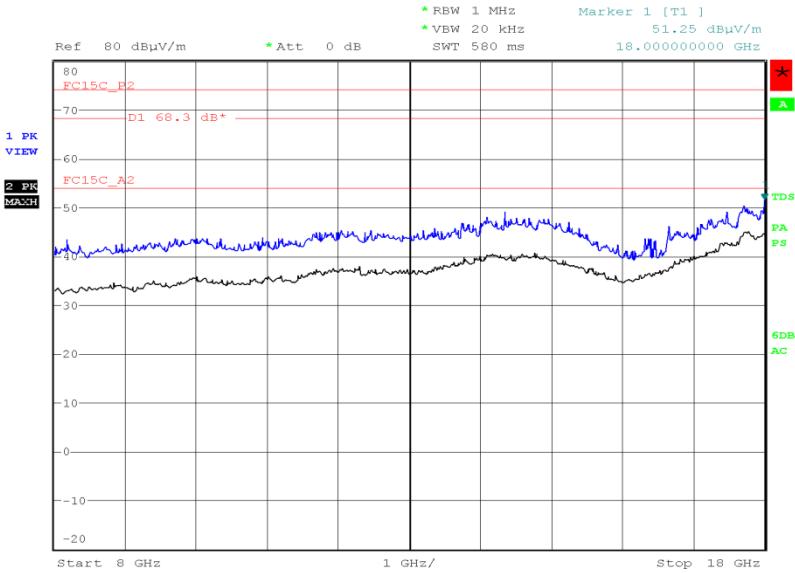


Date: 27.APR.2015 21:26:40



Product Service

802.11a, 5180 MHz, 9 Mbps, 18 GHz to 40 GHz, Frequency Band 1, Spurious Radiated Emissions Plot



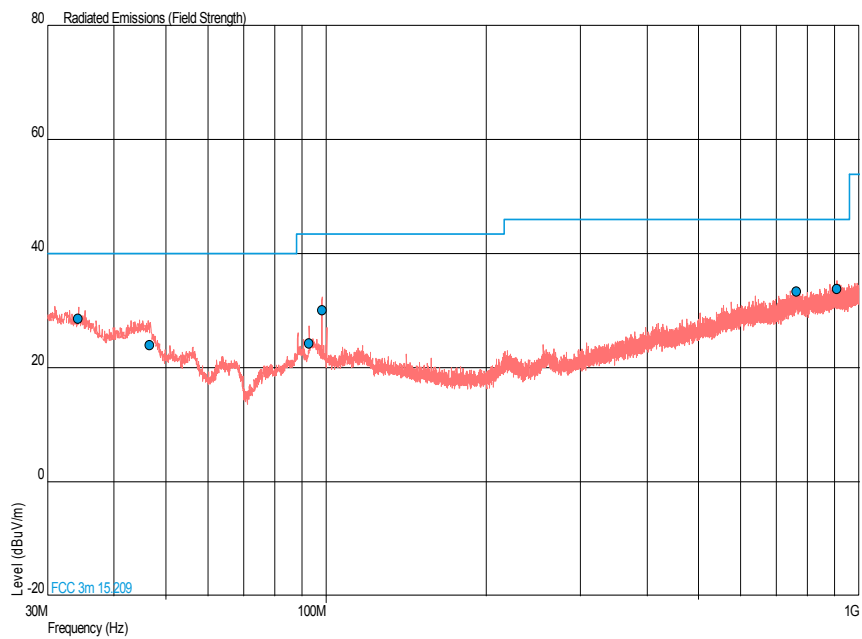
Date: 27.APR.2015 21:26:40



802.11a, 5200 MHz, 9 Mbps, 30 MHz to 1 GHz, Frequency Band 1, Spurious Radiated Emissions Results

Frequency (MHz)	QP Level (dB μ V/m)	QP Margin (dB μ V/m)	QP Level (μ V/m)	QP Margin (μ V/m)	Angle (°)	Height (m)	Polarisation
34.306	28.5	-11.5	26.6	-73.4	160	1.57	Vertical
46.727	23.9	-16.1	15.7	-84.3	339	1.00	Vertical
92.889	24.3	-19.2	16.4	-133.6	173	1.00	Vertical
98.191	30.0	-13.5	31.6	-118.4	360	1.00	Vertical
763.515	33.3	-12.7	46.2	-153.8	123	1.00	Horizontal
908.544	33.8	-12.2	49.0	-151.0	124	2.23	Horizontal

802.11a, 5200 MHz, 9 Mbps, 30 MHz to 1 GHz, Frequency Band 1, Spurious Radiated Emissions Plot





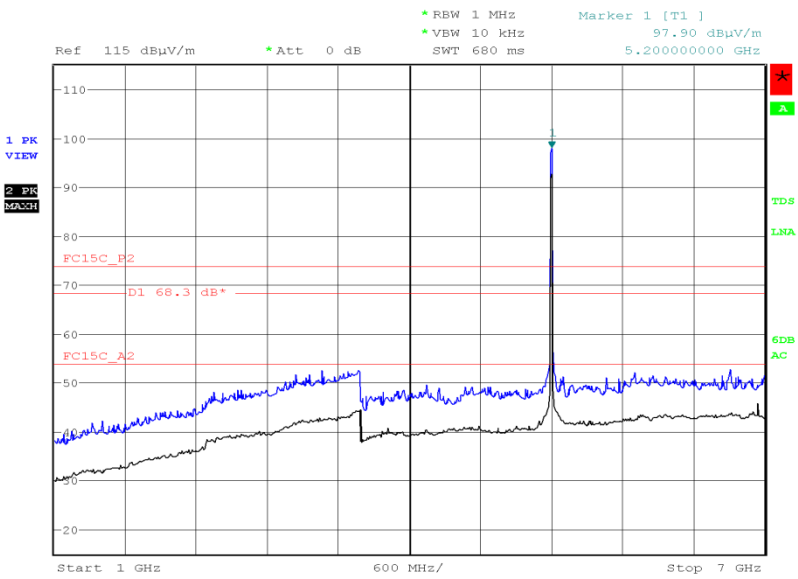
Product Service

802.11a, 5200 MHz, 9 Mbps, 1 GHz to 40 GHz, Frequency Band 1, Spurious Radiated Emissions Results

Frequency (MHz)	Final Peak (dBµV/m)	Final Average (dBµV/m)	Final Peak (µV/m)	Final Average (µV/m)	Angle (°)	Height (m)	Polarisation
*							

*No emissions were detected within 10 dB of the limit.

802.11a, 5200 MHz, 9 Mbps, 1 GHz to 7 GHz, Frequency Band 1, Spurious Radiated Emissions Plot

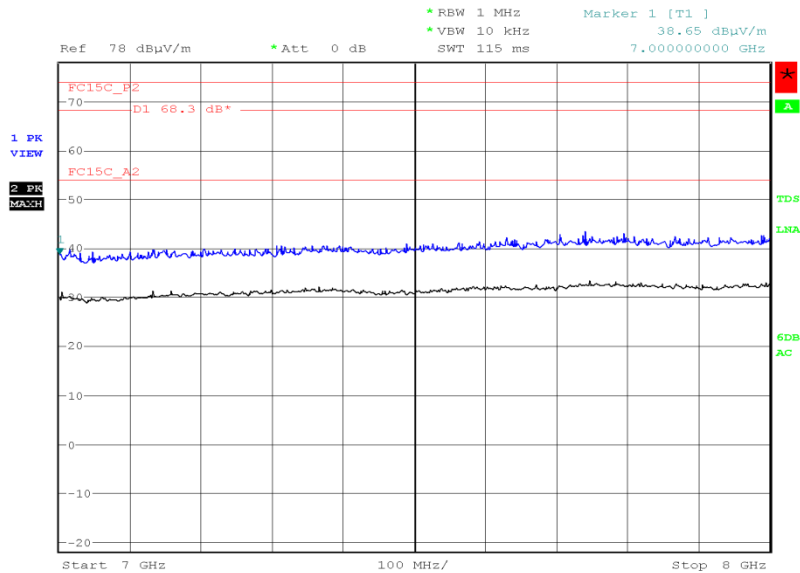


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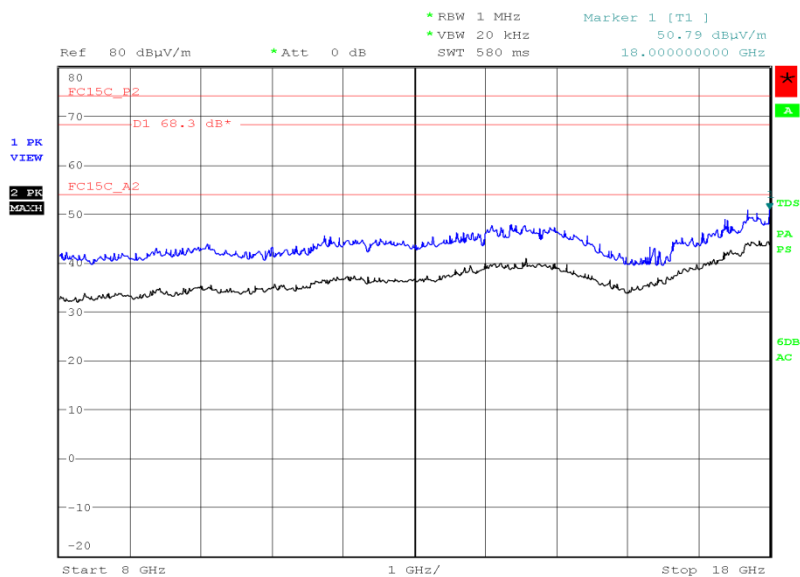
Product Service

802.11a, 5200 MHz, 9 Mbps, 7 GHz to 8 GHz, Frequency Band 1, Spurious Radiated Emissions Plot



Date: 26.APR.2015 11:38:36

802.11a, 5200 MHz, 9 Mbps, 8 GHz to 18 GHz, Frequency Band 1, Spurious Radiated Emissions Plot

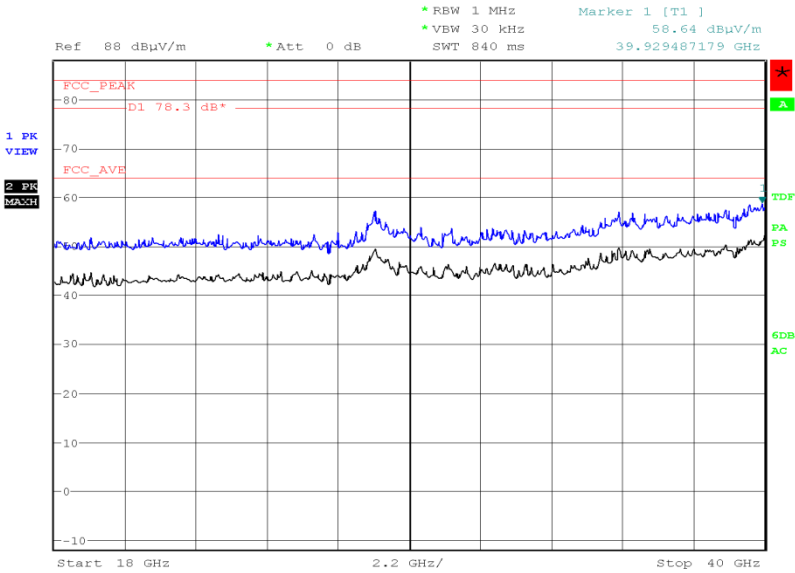


Date: 27.APR.2015 21:50:15



Product Service

802.11a, 5200 MHz, 9 Mbps, 18 GHz to 40 GHz, Frequency Band 1, Spurious Radiated Emissions Plot



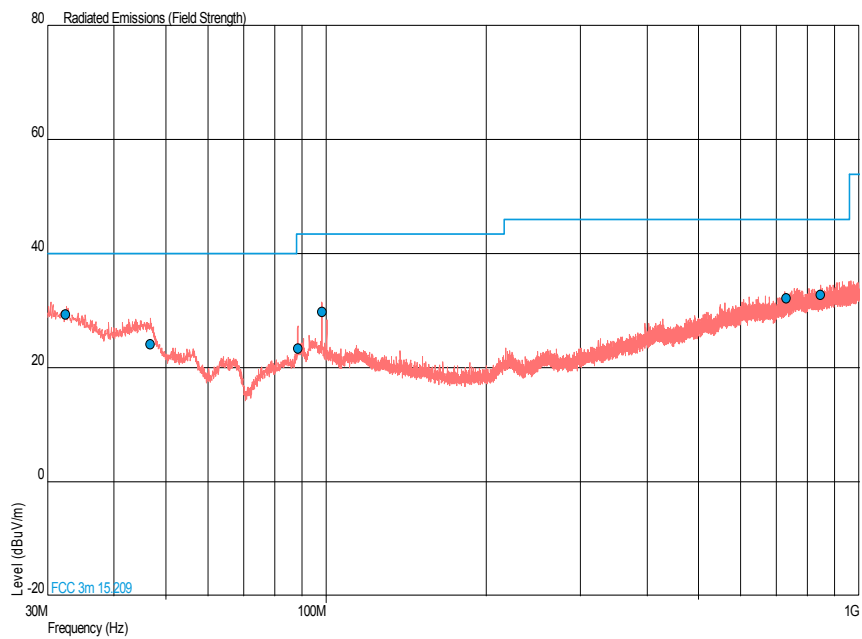
Date: 28.APR.2015 22:10:59



802.11a, 5240 MHz, 9 Mbps, 30 MHz to 1 GHz, Frequency Band 1, Spurious Radiated Emissions Results

Frequency (MHz)	QP Level (dB μ V/m)	QP Margin (dB μ V/m)	QP Level (μ V/m)	QP Margin (μ V/m)	Angle (°)	Height (m)	Polarisation
32.514	29.4	-10.6	29.5	-70.5	224	4.00	Vertical
46.830	24.0	-16.0	15.8	-84.2	8	1.00	Vertical
88.488	23.3	-20.2	14.6	-135.4	199	1.00	Vertical
98.209	29.7	-13.8	30.5	-119.5	293	1.00	Vertical
731.687	32.1	-13.9	40.3	-159.7	346	1.25	Vertical
847.976	32.8	-13.2	43.7	-156.3	159	1.00	Vertical

802.11a, 5240 MHz, 9 Mbps, 30 MHz to 1 GHz, Frequency Band 1, Spurious Radiated Emissions Plot





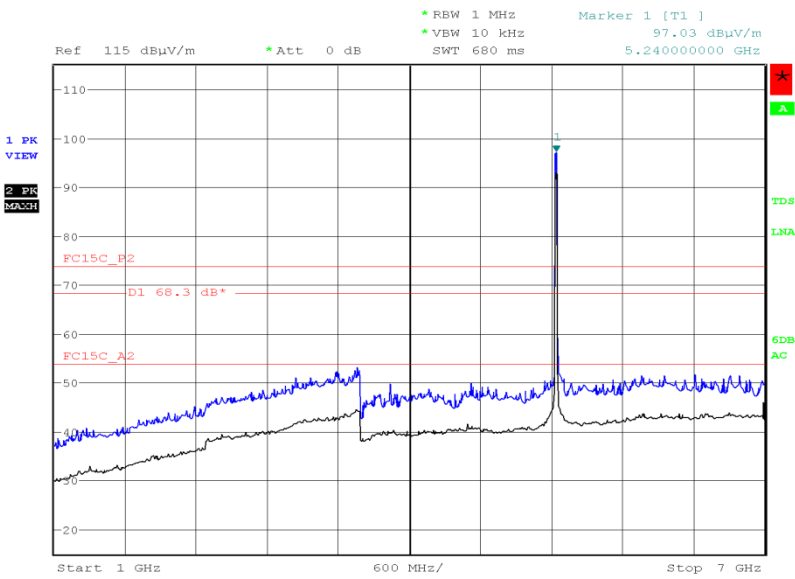
Product Service

802.11a, 5240 MHz, 9 Mbps, 1 GHz to 40 GHz, Frequency Band 1, Spurious Radiated Emissions Results

Frequency (MHz)	Final Peak (dBμV/m)	Final Average (dBμV/m)	Final Peak (μV/m)	Final Average (μV/m)	Angle (°)	Height (m)	Polarisation
*							

*No emissions were detected within 10 dB of the limit.

802.11a, 5240 MHz, 9 Mbps, 1 GHz to 7 GHz, Frequency Band 1, Spurious Radiated Emissions Plot

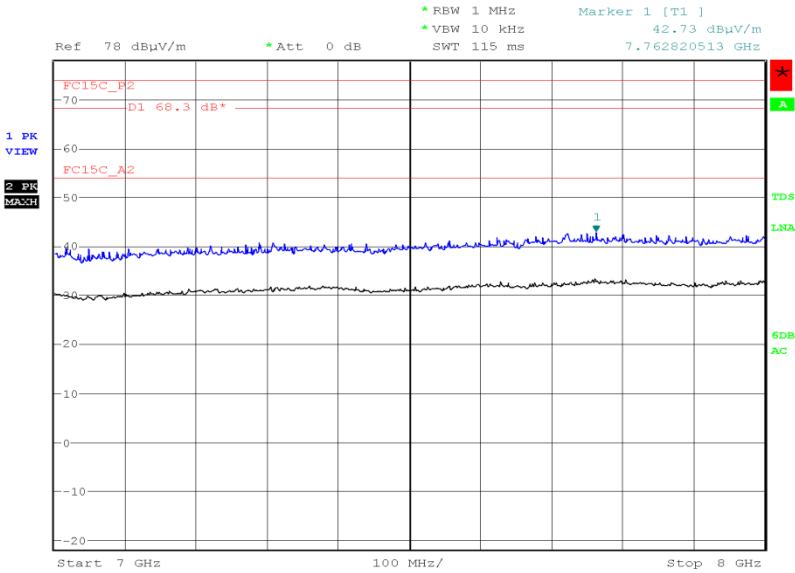


Date: 20.APR.2015 23:43:00



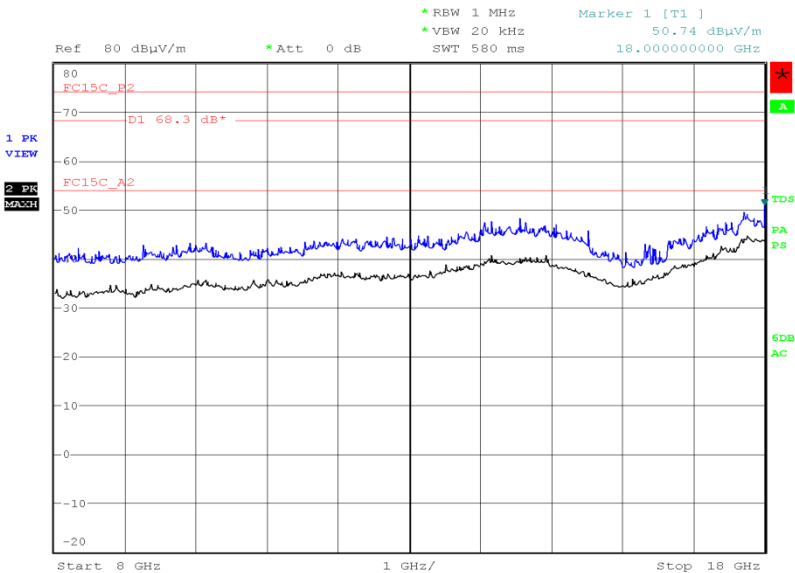
Product Service

802.11a, 5240 MHz, 9 Mbps, 7 GHz to 8 GHz, Frequency Band 1, Spurious Radiated Emissions Plot



Date: 26.APR.2015 11:43:30

802.11a, 5240 MHz, 9 Mbps, 8 GHz to 18 GHz, Frequency Band 1, Spurious Radiated Emissions Plot

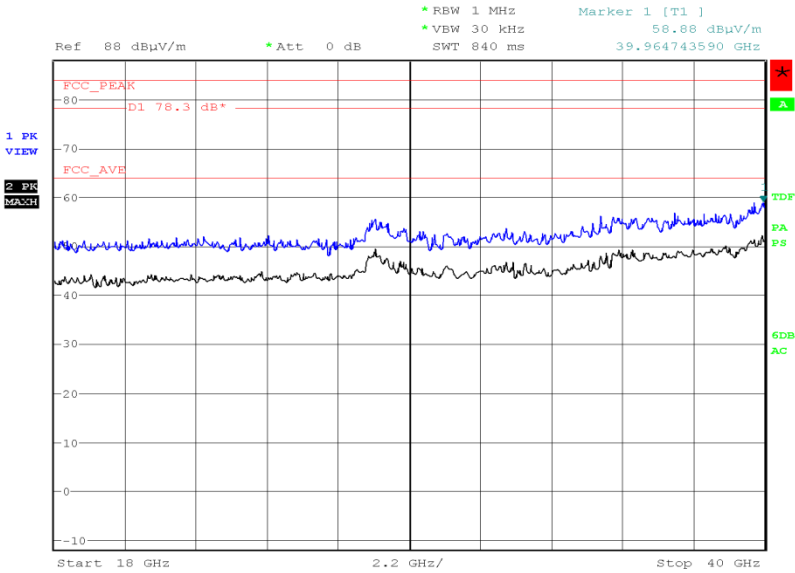


Date: 27.APR.2015 22:09:57



Product Service

802.11a, 5240 MHz, 9 Mbps, 18 GHz to 40 GHz, Frequency Band 1, Spurious Radiated Emissions Plot



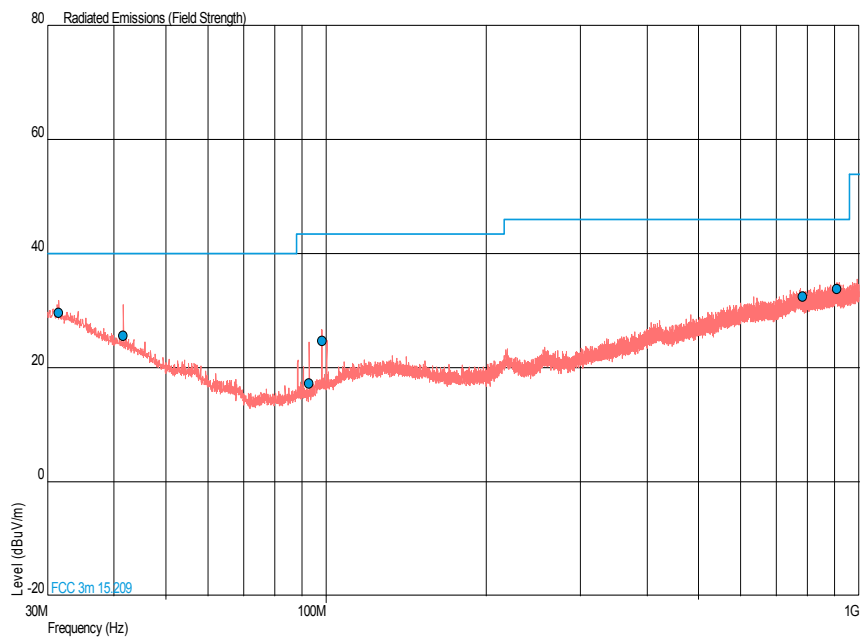
Date: 28.APR.2015 22:44:27



802.11a, 5260 MHz, 9 Mbps, 30 MHz to 1 GHz, Frequency Band 2, Spurious Radiated Emissions Results

Frequency (MHz)	QP Level (dB μ V/m)	QP Margin (dB μ V/m)	QP Level (μ V/m)	QP Margin (μ V/m)	Angle (°)	Height (m)	Polarisation
31.502	29.7	-10.3	30.5	-69.5	360	3.95	Vertical
41.640	25.5	-14.5	18.8	-81.2	60	1.00	Vertical
92.857	17.2	-26.3	7.2	-142.8	200	1.00	Vertical
98.194	24.7	-18.8	17.2	-132.8	313	1.06	Vertical
784.868	32.5	-13.5	42.2	-157.8	26	1.00	Vertical
909.131	33.8	-12.2	49.0	-151.0	152	2.50	Horizontal

802.11a, 5260 MHz, 9 Mbps, 30 MHz to 1 GHz, Frequency Band 2, Spurious Radiated Emissions Plot





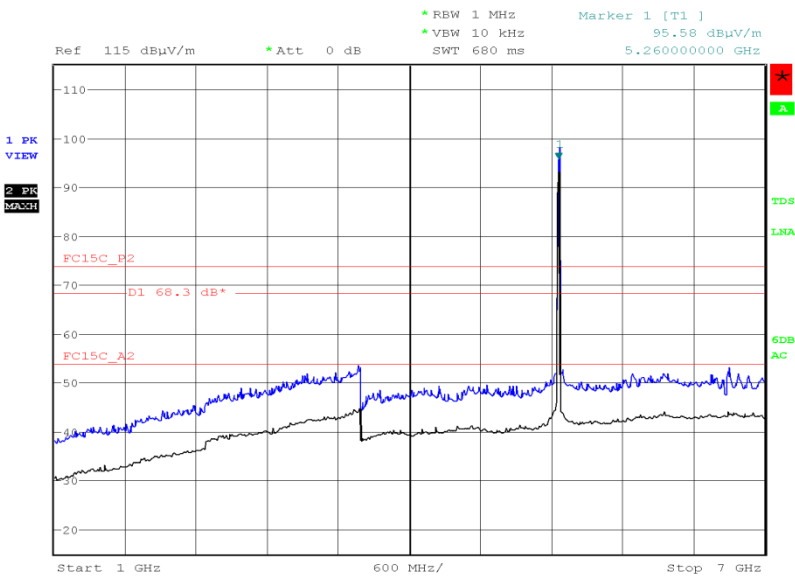
Product Service

802.11a, 5260 MHz, 9 Mbps, 1 GHz to 40 GHz, Frequency Band 2, Spurious Radiated Emissions Results

Frequency (MHz)	Final Peak (dBµV/m)	Final Average (dBµV/m)	Final Peak (µV/m)	Final Average (µV/m)	Angle (°)	Height (m)	Polarisation
*							

*No emissions were detected within 10 dB of the limit.

802.11a, 5260 MHz, 9 Mbps, 1 GHz to 7 GHz, Frequency Band 2, Spurious Radiated Emissions Plot

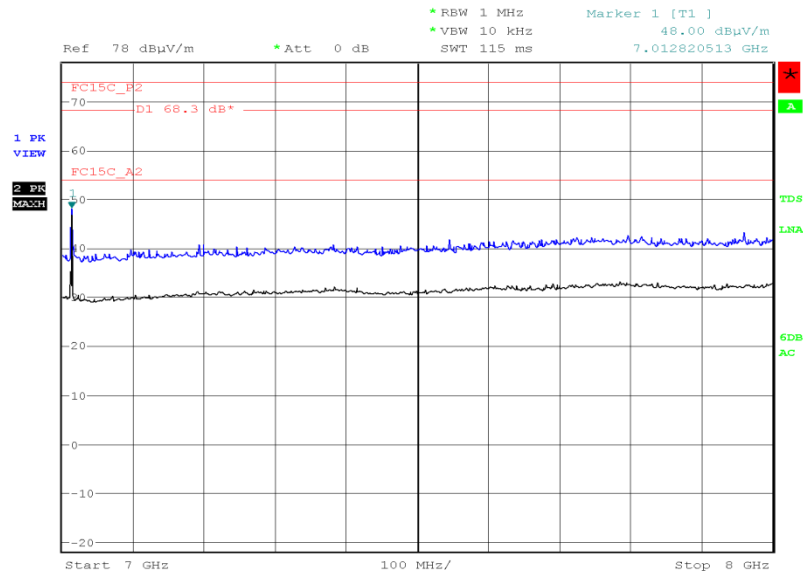


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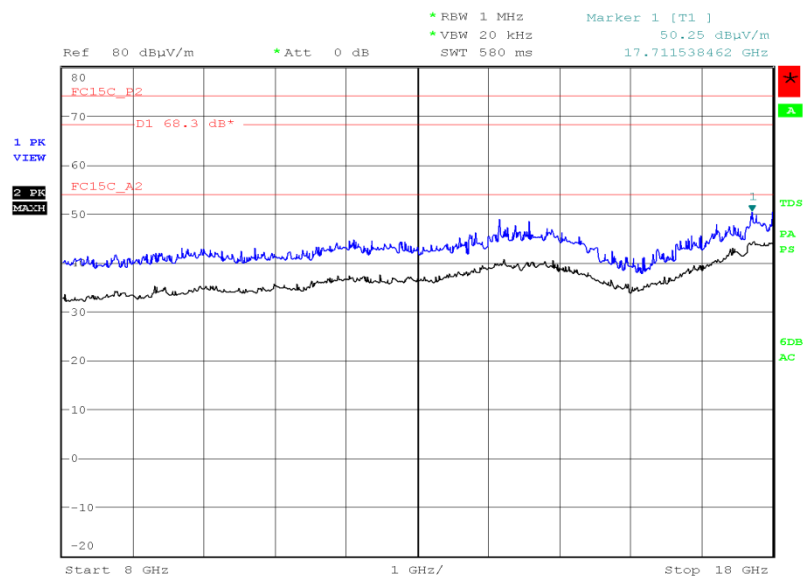
Product Service

802.11a, 5260 MHz, 9 Mbps, 7 GHz to 8 GHz, Frequency Band 2, Spurious Radiated Emissions Plot



Date: 26.APR.2015 11:51:03

802.11a, 5260 MHz, 9 Mbps, 8 GHz to 18 GHz, Frequency Band 2, Spurious Radiated Emissions Plot

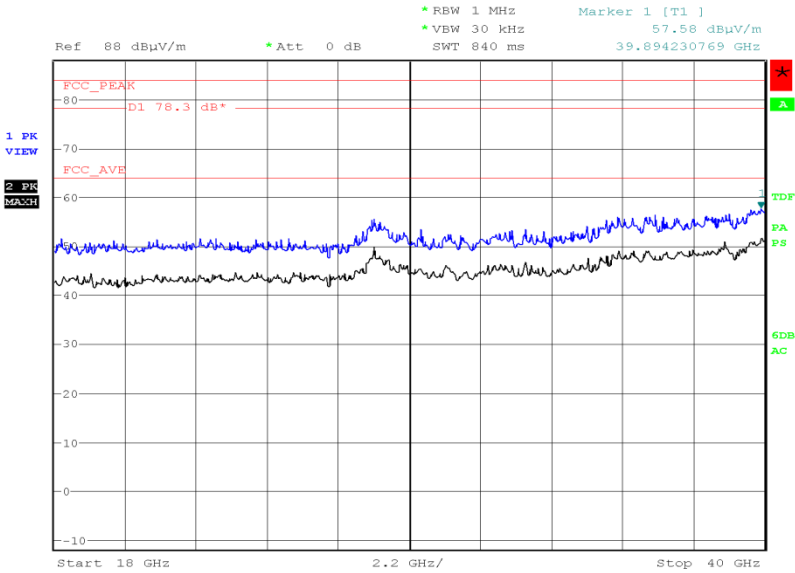


Date: 27.APR.2015 22:29:32



Product Service

802.11a, 5260 MHz, 9 Mbps, 18 GHz to 40 GHz, Frequency Band 2, Spurious Radiated Emissions Plot



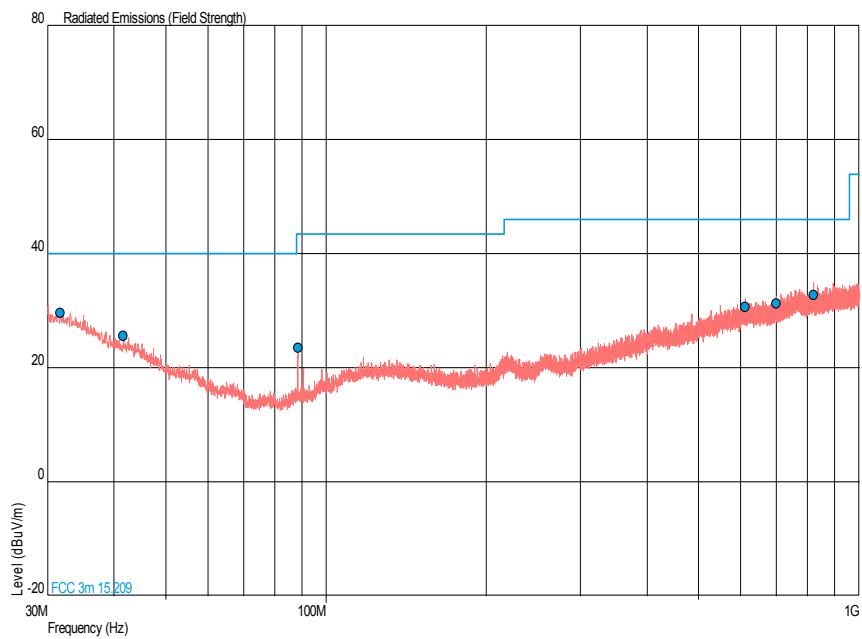
Date: 28.APR.2015 23:13:36



802.11a, 5300 MHz, 9 Mbps, 30 MHz to 1 GHz, Frequency Band 2, Spurious Radiated Emissions Results

Frequency (MHz)	QP Level (dB μ V/m)	QP Margin (dB μ V/m)	QP Level (μ V/m)	QP Margin (μ V/m)	Angle (°)	Height (m)	Polarisation
31.691	29.7	-10.3	30.5	-69.5	360	1.00	Horizontal
41.683	25.5	-14.5	18.8	-81.2	177	1.00	Horizontal
88.498	23.5	-20.0	7.2	-142.8	20	1.00	Vertical
611.845	30.7	-15.3	17.2	-182.8	144	1.00	Vertical
699.766	31.2	-14.8	42.2	-157.8	360	1.00	Horizontal
821.167	32.8	-13.2	49.0	-151.0	68	1.00	Vertical

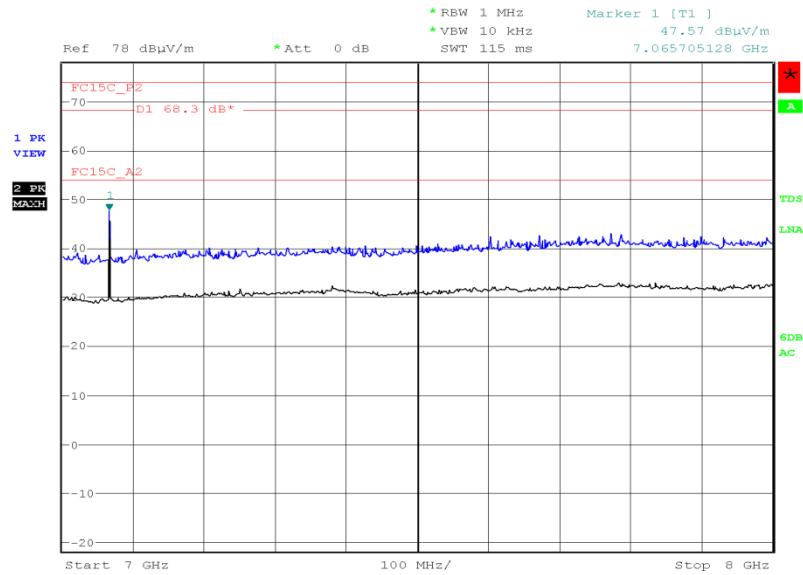
802.11a, 5300 MHz, 9 Mbps, 30 MHz to 1 GHz, Frequency Band 2, Spurious Radiated Emissions Plot





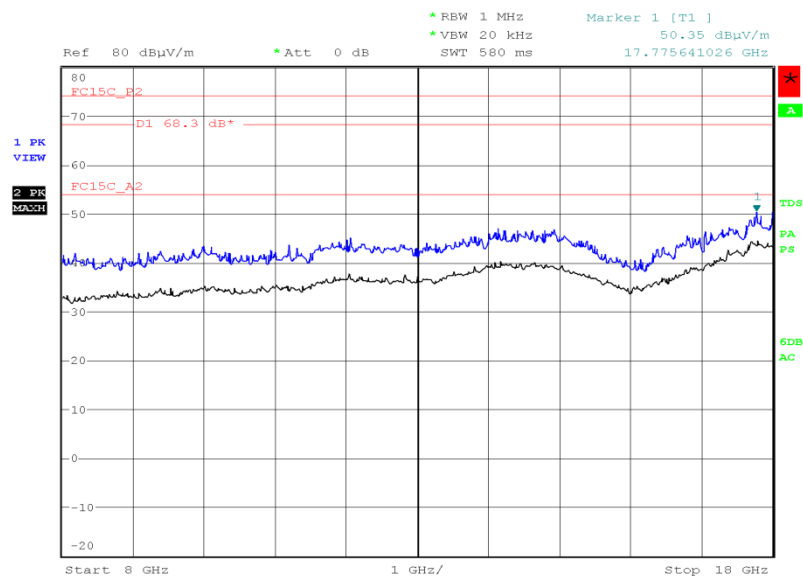
Product Service

802.11a, 5300 MHz, 9 Mbps, 7 GHz to 8 GHz, Frequency Band 2, Spurious Radiated Emissions Plot



Date: 26.APR.2015 11:55:23

802.11a, 5300 MHz, 9 Mbps, 8 GHz to 18 GHz, Frequency Band 2, Spurious Radiated Emissions Plot

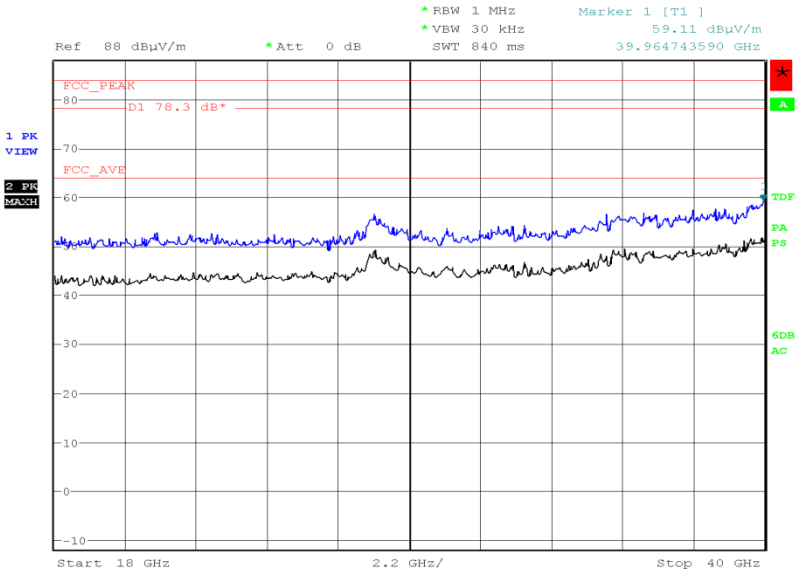


Date: 27.APR.2015 22:46:44



Product Service

802.11a, 5300 MHz, 9 Mbps, 18 GHz to 40 GHz, Frequency Band 2, Spurious Radiated Emissions Plot



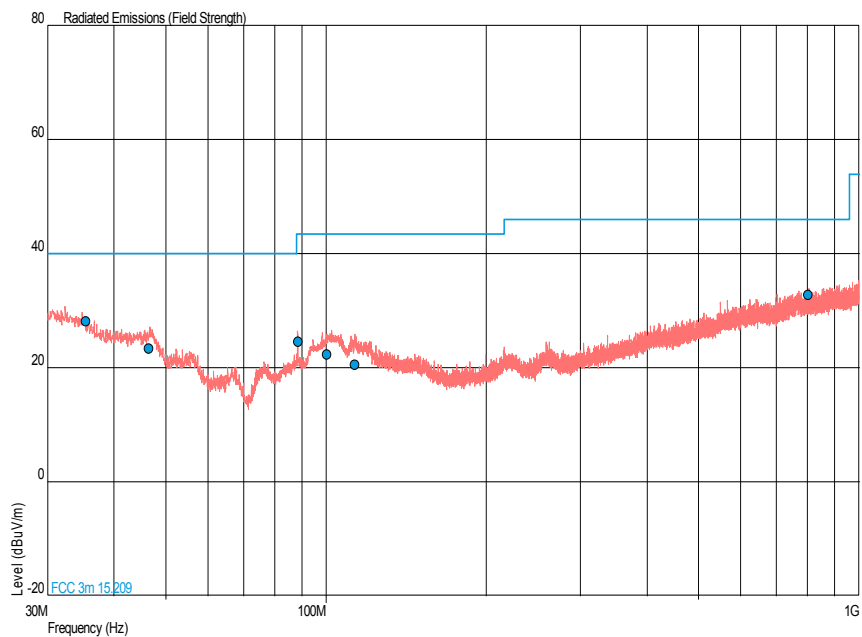
Date: 28.APR.2015 23:32:37



802.11a, 5320 MHz, 9 Mbps, 30 MHz to 1 GHz, Frequency Band 2, Spurious Radiated Emissions Results

Frequency (MHz)	QP Level (dB μ V/m)	QP Margin (dB μ V/m)	QP Level (μ V/m)	QP Margin (μ V/m)	Angle (°)	Height (m)	Polarisation
35.407	28.2	-11.8	30.5	-69.5	185	1.00	Horizontal
46.580	23.4	-16.6	18.8	-81.2	25	1.00	Vertical
88.498	24.5	-19.0	7.2	-142.8	127	1.09	Vertical
100.333	22.3	-21.2	17.2	-132.8	360	1.00	Vertical
113.284	20.6	-22.9	42.2	-107.8	246	1.00	Vertical
802.389	32.7	-13.3	49.0	-151.0	163	1.00	Vertical

802.11a, 5320 MHz, 9 Mbps, 30 MHz to 1 GHz, Frequency Band 2, Spurious Radiated Emissions Plot





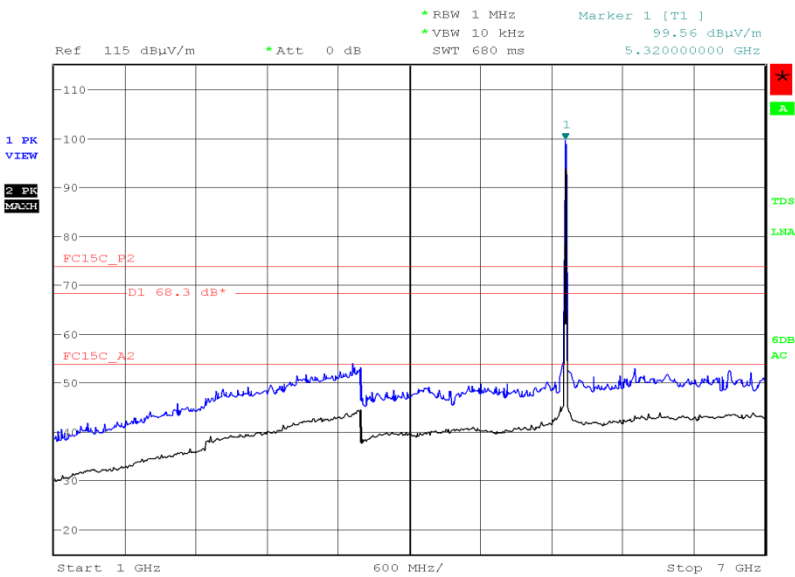
Product Service

802.11a, 5320 MHz, 9 Mbps, 1 GHz to 40 GHz, Frequency Band 2, Spurious Radiated Emissions Results

Frequency (MHz)	Final Peak (dBµV/m)	Final Average (dBµV/m)	Final Peak (µV/m)	Final Average (µV/m)	Angle (°)	Height (m)	Polarisation
*							

*No emissions were detected within 10 dB of the limit.

802.11a, 5320 MHz, 9 Mbps, 1 GHz to 7 GHz, Frequency Band 2, Spurious Radiated Emissions Plot

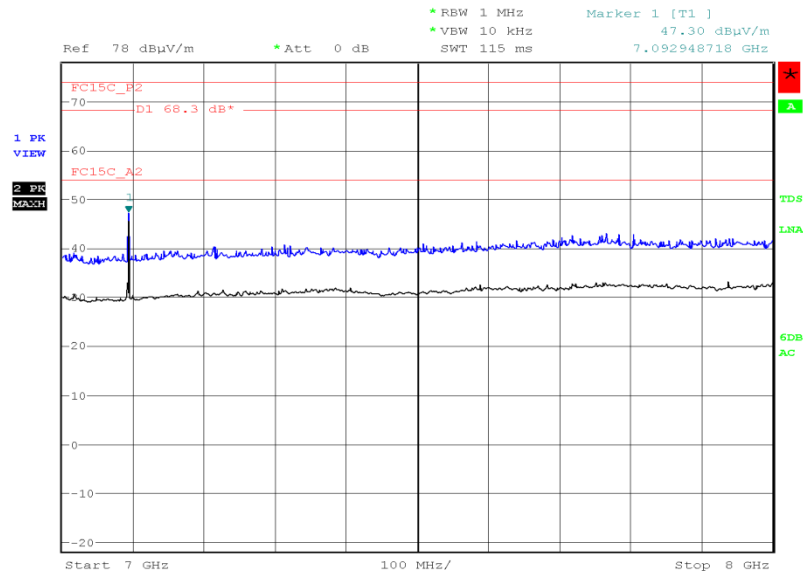


Date: 21.APR.2015 17:41:52



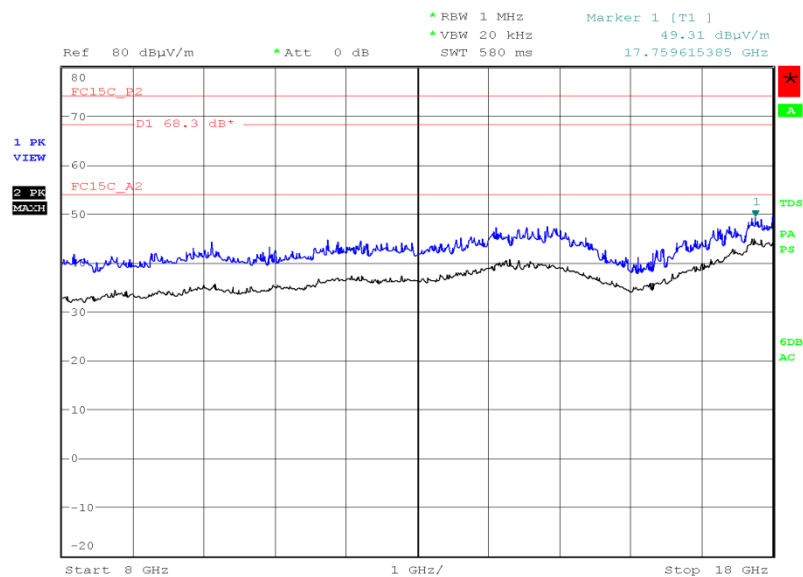
Product Service

802.11a, 5320 MHz, 9 Mbps, 7 GHz to 8 GHz, Frequency Band 2, Spurious Radiated Emissions Plot



Date: 26.APR.2015 12:00:18

802.11a, 5320 MHz, 9 Mbps, 8 GHz to 18 GHz, Frequency Band 2, Spurious Radiated Emissions Plot

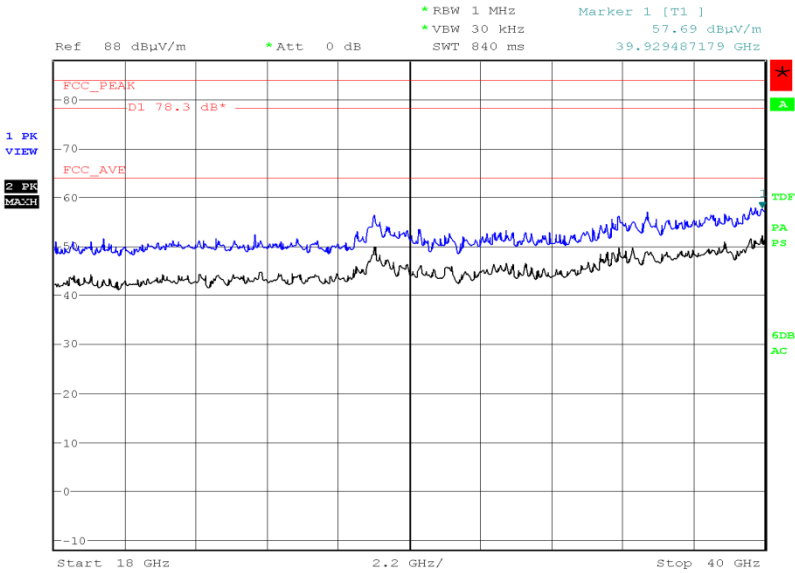


Date: 27.APR.2015 23:00:43



Product Service

802.11a, 5320 MHz, 9 Mbps, 18 GHz to 40 GHz, Frequency Band 2, Spurious Radiated Emissions Plot



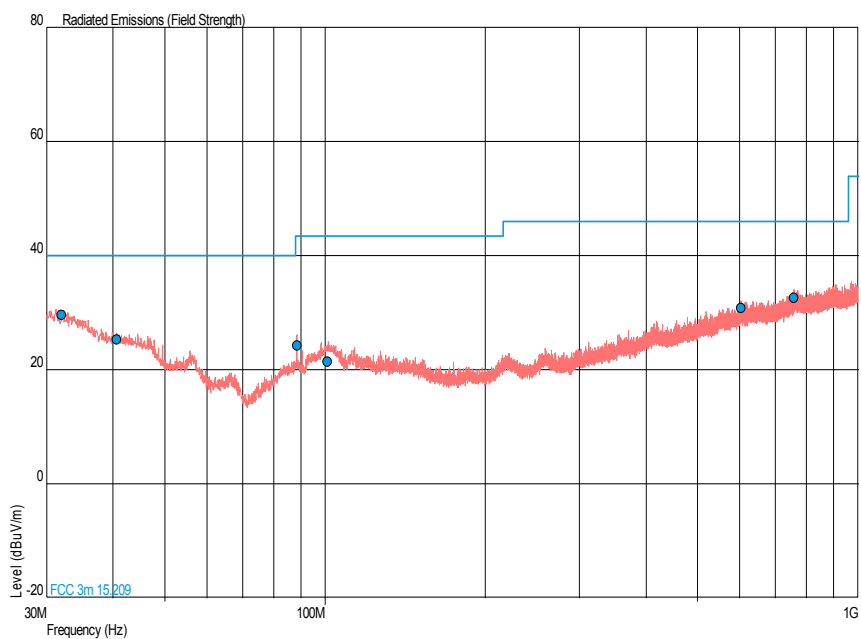
Date: 3.MAY.2015 09:00:14



802.11a, 5500 MHz, 9 Mbps, 30 MHz to 1 GHz, Frequency Band 3, Spurious Radiated Emissions Results

Frequency (MHz)	QP Level (dBμV/m)	QP Margin (dBμV/m)	QP Level (μV/m)	QP Margin (μV/m)	Angle (°)	Height (m)	Polarisation
31.991	29.7	-10.3	30.5	-69.5	134	1.00	Vertical
40.664	25.3	-14.7	18.4	-81.6	155	1.00	Vertical
88.495	24.2	-19.3	16.2	-133.8	151	1.00	Vertical
100.871	21.4	-22.1	11.7	-138.3	188	1.00	Vertical
603.425	30.8	-15.2	34.7	-165.3	165	1.00	Vertical
758.058	32.6	-13.4	42.7	-157.3	254	1.00	Horizontal

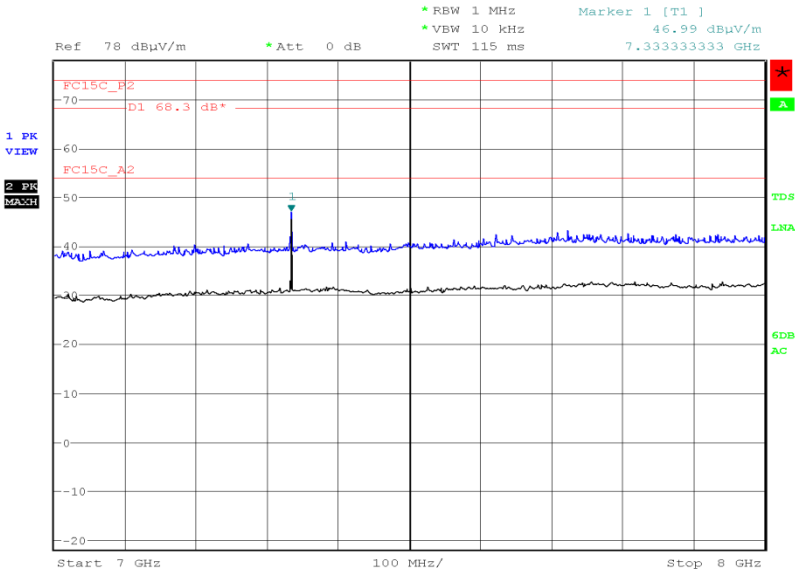
802.11a, 5500 MHz, 9 Mbps, 30 MHz to 1 GHz, Frequency Band 3, Spurious Radiated Emissions Plot





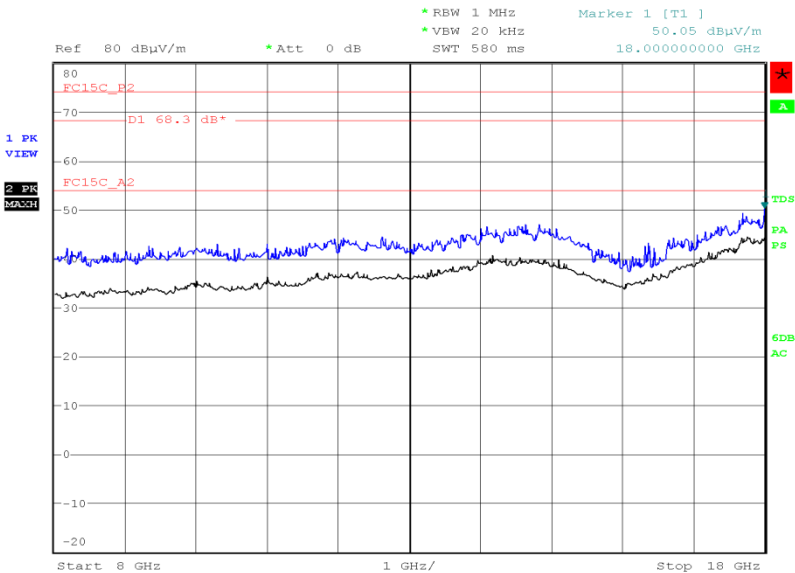
Product Service

802.11a, 5500 MHz, 9 Mbps, 7 GHz to 8 GHz, Frequency Band 3, Spurious Radiated Emissions Plot



Date: 26.APR.2015 12:05:18

802.11a, 5500 MHz, 9 Mbps, 8 GHz to 18 GHz, Frequency Band 3, Spurious Radiated Emissions Plot

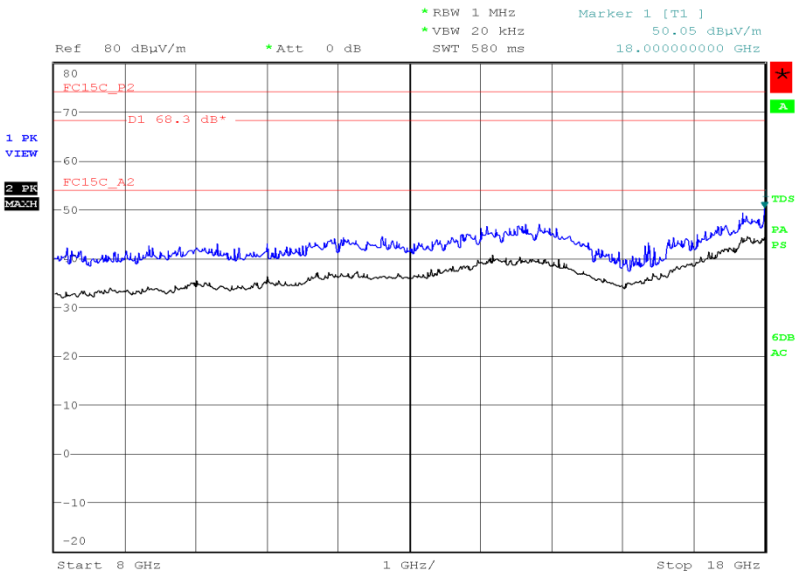


Date: 27.APR.2015 23:12:22



Product Service

802.11a, 5500 MHz, 9 Mbps, 18 GHz to 40 GHz, Frequency Band 3, Spurious Radiated Emissions Plot



Date: 27.APR.2015 23:12:22

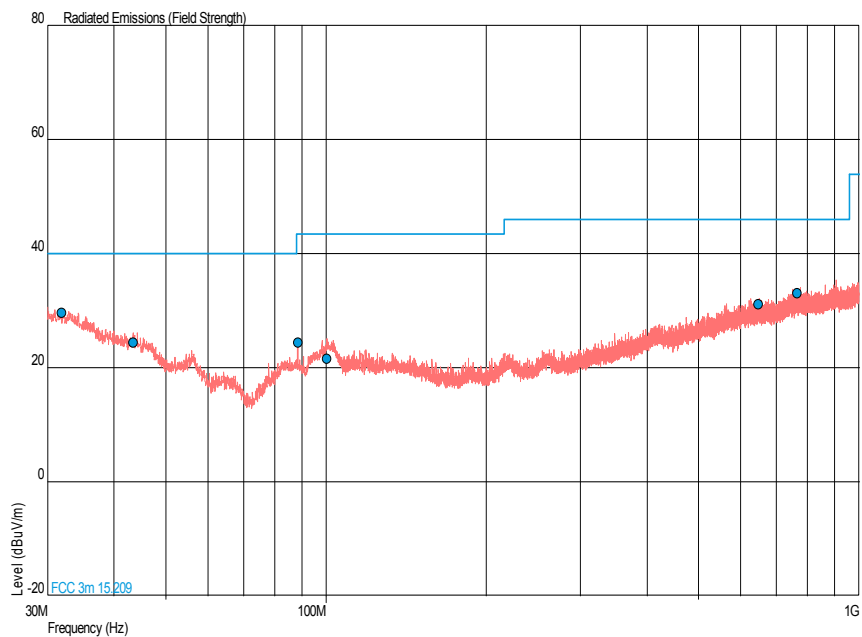


Product Service

802.11a, 5600 MHz, 9 Mbps, 30 MHz to 1 GHz, Frequency Band 3, Spurious Radiated Emissions Results

Frequency (MHz)	QP Level (dBµV/m)	QP Margin (dBµV/m)	QP Level (µV/m)	QP Margin (µV/m)	Angle (°)	Height (m)	Polarisation
31.887	29.6	-10.4	30.2	-69.8	83	1.30	Horizontal
43.430	24.5	-15.5	16.8	-83.2	203	1.00	Vertical
88.499	24.4	-19.1	16.6	-133.4	0	1.00	Vertical
100.288	21.6	-21.9	12.0	-138.0	139	1.00	Vertical
648.222	31.1	-14.9	35.9	-164.1	149	1.00	Vertical
765.574	33.1	-12.9	45.2	-154.8	360	1.00	Vertical

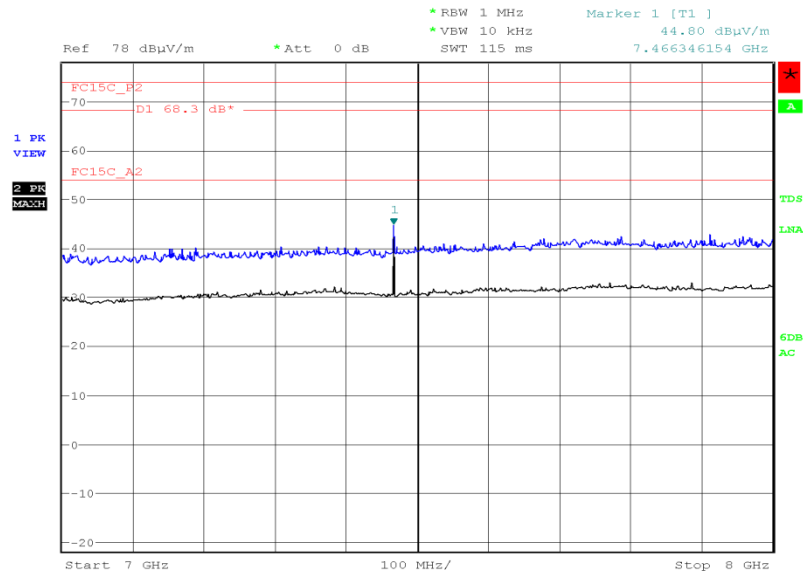
802.11a, 5600 MHz, 9 Mbps, 30 MHz to 1 GHz, Frequency Band 3, Spurious Radiated Emissions Plot





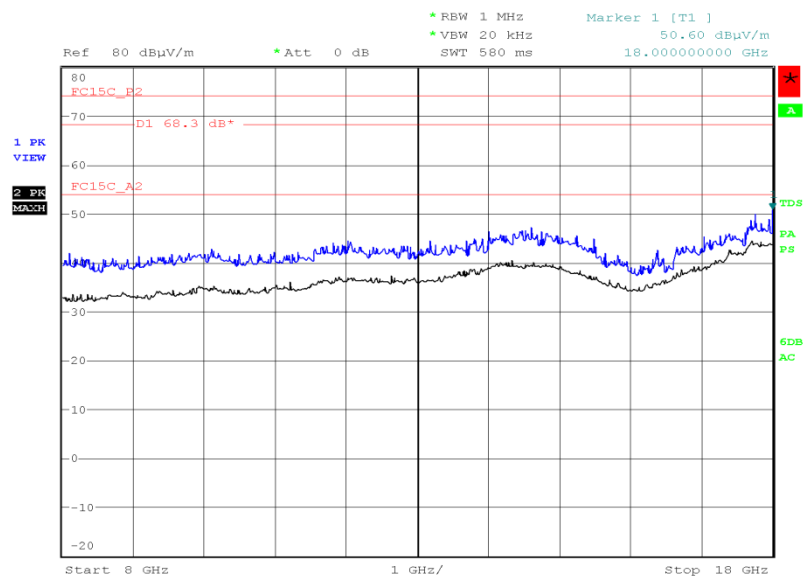
Product Service

802.11a, 5600 MHz, 9 Mbps, 7 GHz to 8 GHz, Frequency Band 3, Spurious Radiated Emissions Plot



Date: 26.APR.2015 12:08:35

802.11a, 5600 MHz, 9 Mbps, 8 GHz to 18 GHz, Frequency Band 3, Spurious Radiated Emissions Plot

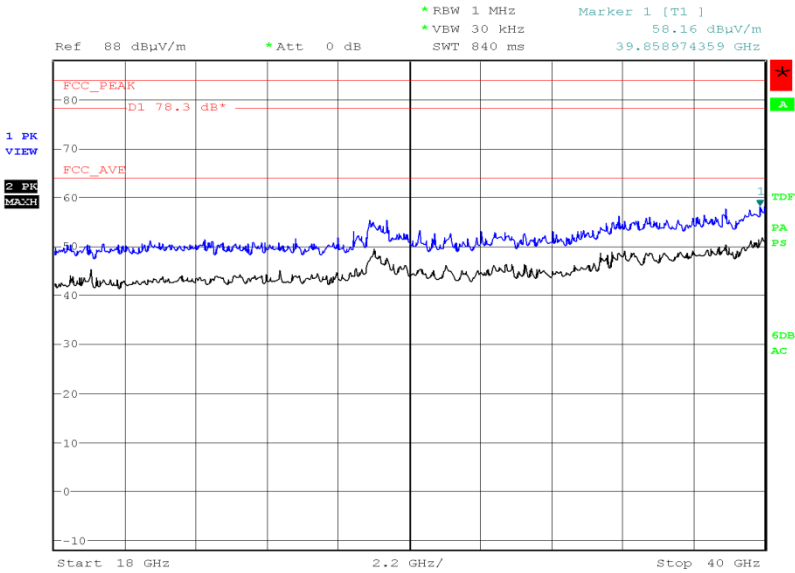


Date: 27.APR.2015 23:25:28



Product Service

802.11a, 5600 MHz, 9 Mbps, 18 GHz to 40 GHz, Frequency Band 3, Spurious Radiated Emissions Plot



Date: 3.MAY.2015 09:51:24

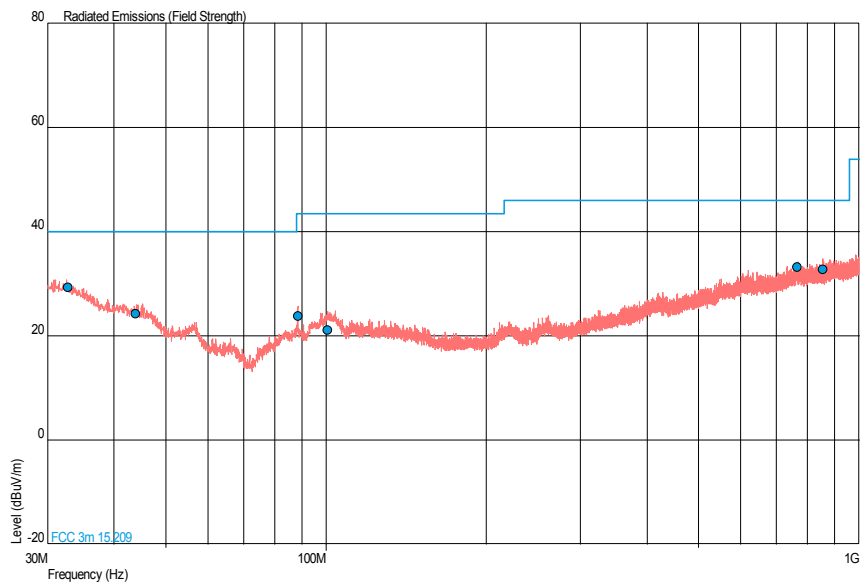


Product Service

802.11a, 5700 MHz, 9 Mbps, 30 MHz to 1 GHz, Frequency Band 3, Spurious Radiated Emissions Results

Frequency (MHz)	QP Level (dBµV/m)	QP Margin (dBµV/m)	QP Level (µV/m)	QP Margin (µV/m)	Angle (°)	Height (m)	Polarisation
32.809	29.3	-10.7	29.2	-70.8	8	2.73	Vertical
43.978	24.3	-15.7	16.4	-83.6	160	1.02	Vertical
88.500	23.9	-19.6	15.7	-134.3	130	1.00	Vertical
100.653	21.1	-22.4	11.4	-138.6	165	1.20	Vertical
765.017	33.2	-12.8	45.7	-154.3	95	2.33	Vertical
854.022	32.8	-13.2	43.7	-156.3	320	2.73	Vertical

802.11a, 5700 MHz, 9 Mbps, 30 MHz to 1 GHz, Frequency Band 3, Spurious Radiated Emissions Plot





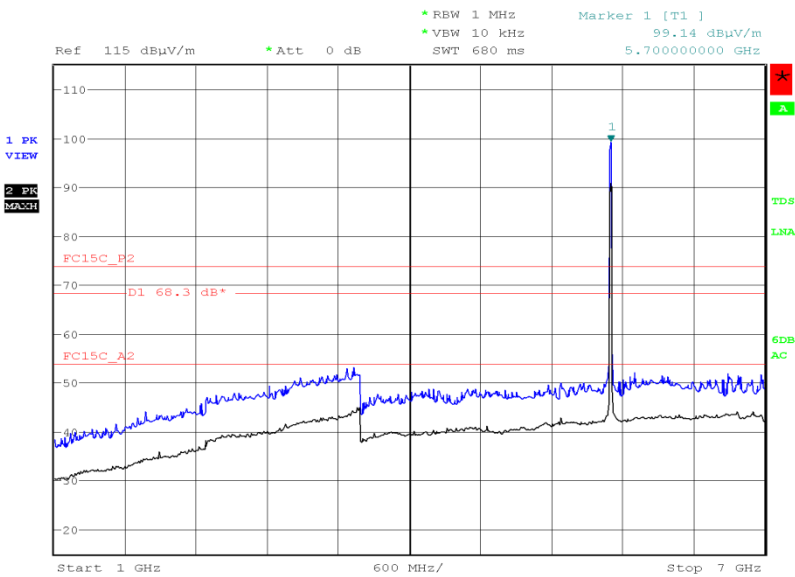
Product Service

802.11a, 5700 MHz, 9 Mbps, 1 GHz to 40 GHz, Frequency Band 3, Spurious Radiated Emissions Results

Frequency (MHz)	Final Peak (dBµV/m)	Final Average (dBµV/m)	Final Peak (µV/m)	Final Average (µV/m)	Angle (°)	Height (m)	Polarisation
*							

*No emissions were detected within 10 dB of the limit.

802.11a, 5700 MHz, 9 Mbps, 1 GHz to 7 GHz, Frequency Band 3, Spurious Radiated Emissions Plot

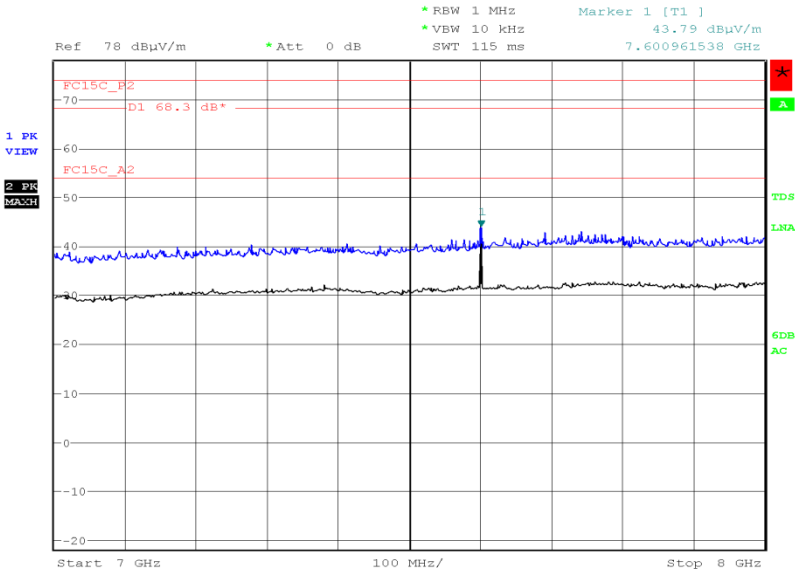


Date: 21.APR.2015 18:30:18



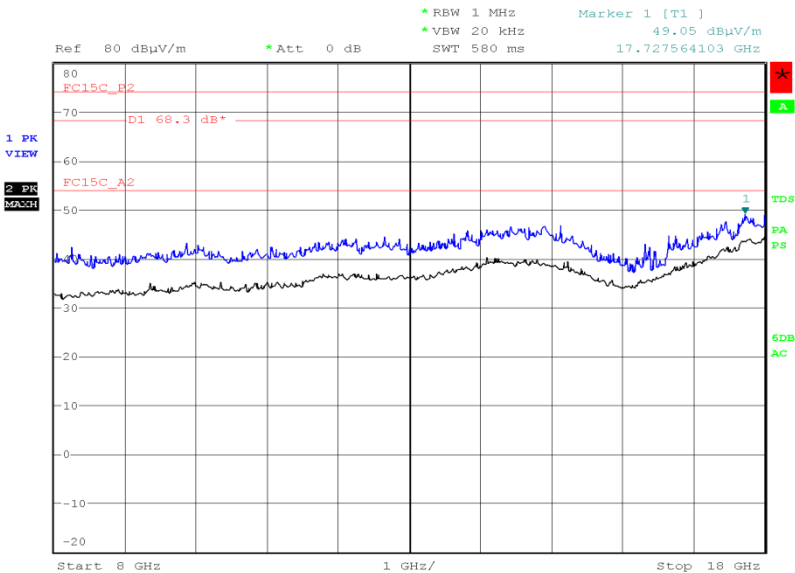
Product Service

802.11a, 5700 MHz, 9 Mbps, 7 GHz to 8 GHz, Frequency Band 3, Spurious Radiated Emissions Plot



Date: 26.APR.2015 12:12:15

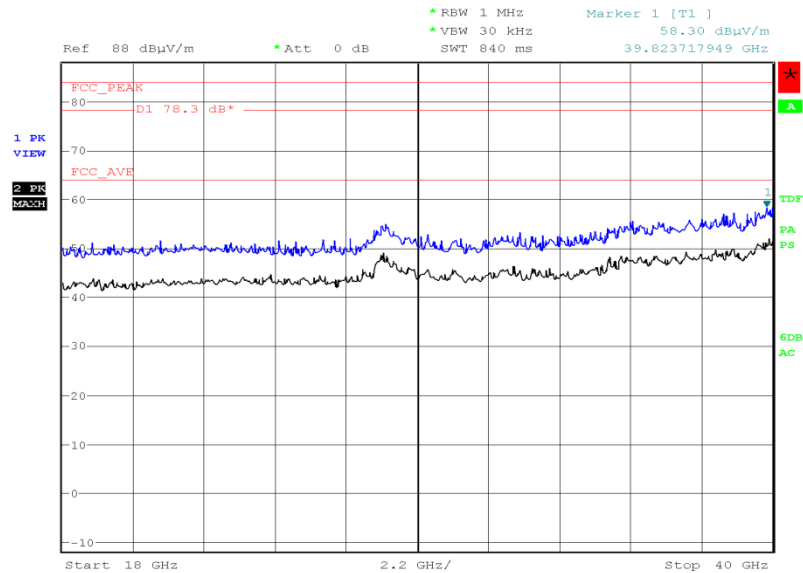
802.11a, 5700 MHz, 9 Mbps, 8 GHz to 18 GHz, Frequency Band 3, Spurious Radiated Emissions Plot



Date: 27.APR.2015 23:36:49



802.11a, 5700 MHz, 9 Mbps, 18 GHz to 40 GHz, Frequency Band 3, Spurious Radiated Emissions Plot



Date: 3.MAY.2015 10:10:05

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

Outside the 5.15 GHz to 5.35 GHz band	-27 dBm/MHz
Outside the 5.25 GHz to 5.35 GHz band	-27 dBm/MHz
Outside the 5.47 GHz to 5.725 GHz band	-27 dBm/MHz

FCC 47 CFR Part 15, Limit Clause 15.205

	Peak (dBμV/m)	Average (dBμV/m)
Restricted Bands of Operation	74	54

FCC 47 CFR Part 15, Limit Clause 15.209

Frequency (MHz)	Field Strength			Measurement Distance (m)
	(μV/m)	Average (dBμV/m)	Peak (dBμV/m)	
30-88	100	40.0	60.0	3
88-216	150	43.5	63.5	3
216-960	200	46.0	66.0	3
Above 960	500	54.0	74.0	3



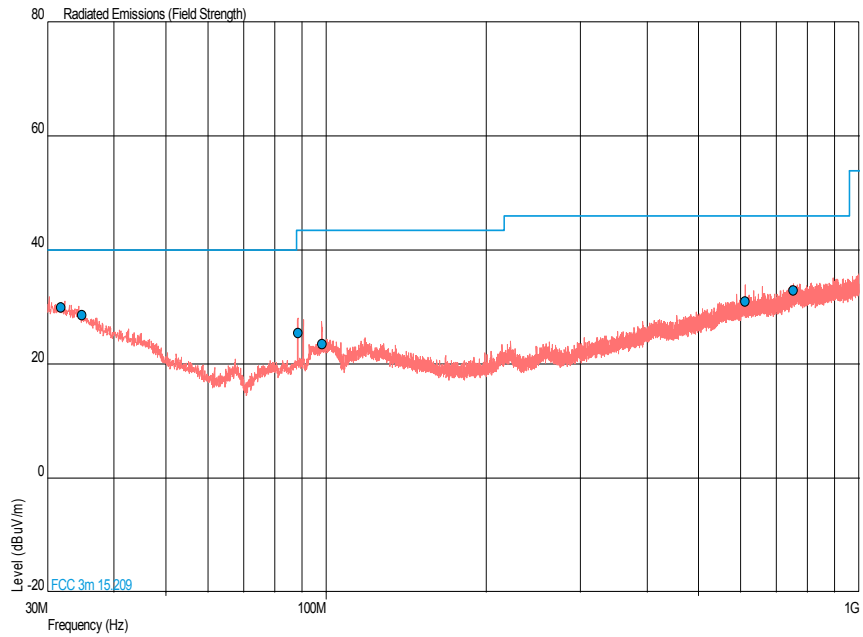
Product Service

4.0 V DC Supply

802.11ac - 5 GHz 40 MHz Bandwidth, 5190 MHz, MCS0, 30 MHz to 1 GHz, Frequency Band 1, Spurious Radiated Emissions Results

Frequency (MHz)	QP Level (dBµV/m)	QP Margin (dBµV/m)	QP Level (µV/m)	QP Margin (µV/m)	Angle (°)	Height (m)	Polarisation
31.840	30.0	-10.0	31.6	-68.4	200	1.00	Vertical
34.800	28.6	-11.4	26.9	-73.1	0	1.00	Vertical
88.502	25.5	-18.0	18.8	-131.2	104	1.00	Vertical
98.193	23.6	-19.9	15.1	-134.9	360	1.00	Vertical
610.536	31.0	-15.0	35.5	-164.5	297	1.06	Horizontal
751.862	32.9	-13.1	44.2	-155.8	101	1.00	Vertical

802.11ac - 5 GHz 40 MHz Bandwidth, 5190 MHz, MCS0, 30 MHz to 1 GHz, Frequency Band 1, Spurious Radiated Emissions Plot





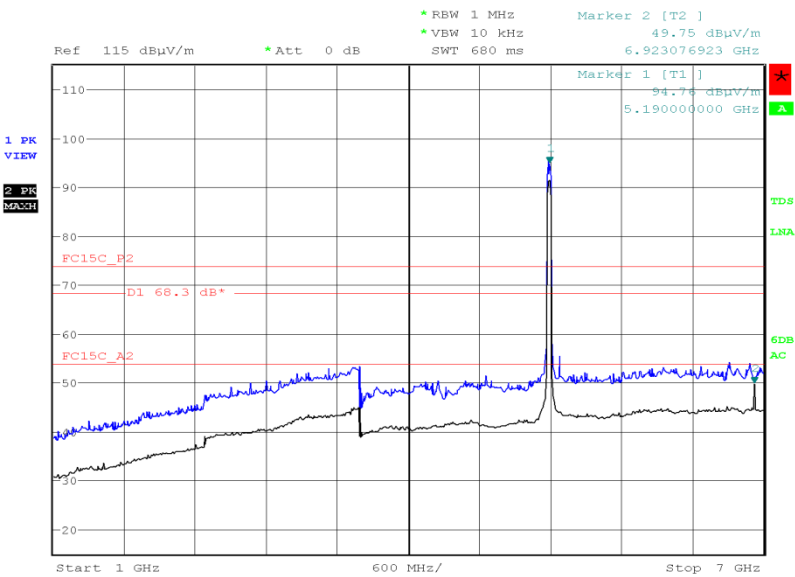
Product Service

802.11ac - 5 GHz 40 MHz Bandwidth, 5190 MHz, MCS0, 1 GHz to 40 GHz, Frequency Band 1, Spurious Radiated Emissions Results

Frequency (MHz)	Final Peak (dBµV/m)	Final Average (dBµV/m)	Final Peak (µV/m)	Final Average (µV/m)	Angle (°)	Height (m)	Polarisation
*							

*No emissions were detected within 10 dB of the limit.

802.11ac - 5 GHz 40 MHz Bandwidth, 5190 MHz, MCS0, 1 GHz to 7 GHz, Frequency Band 1, Spurious Radiated Emissions Plot

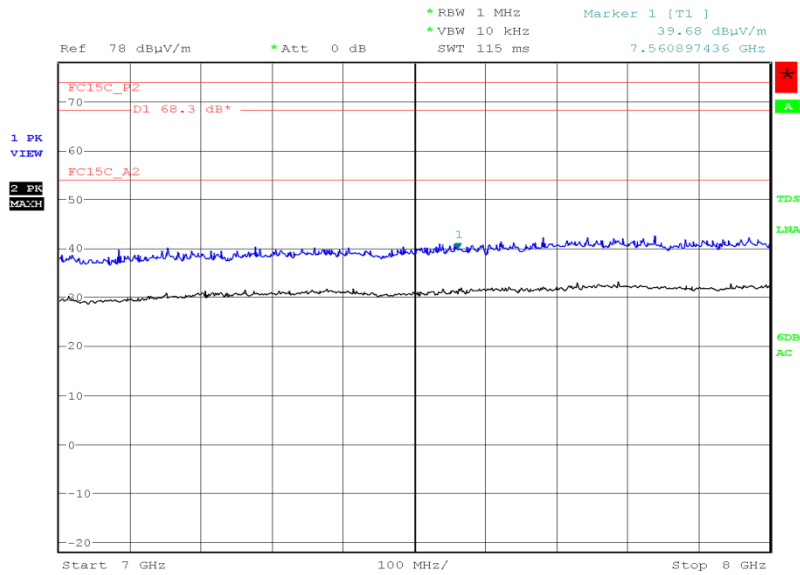


Date: 26.APR.2015 08:57:08



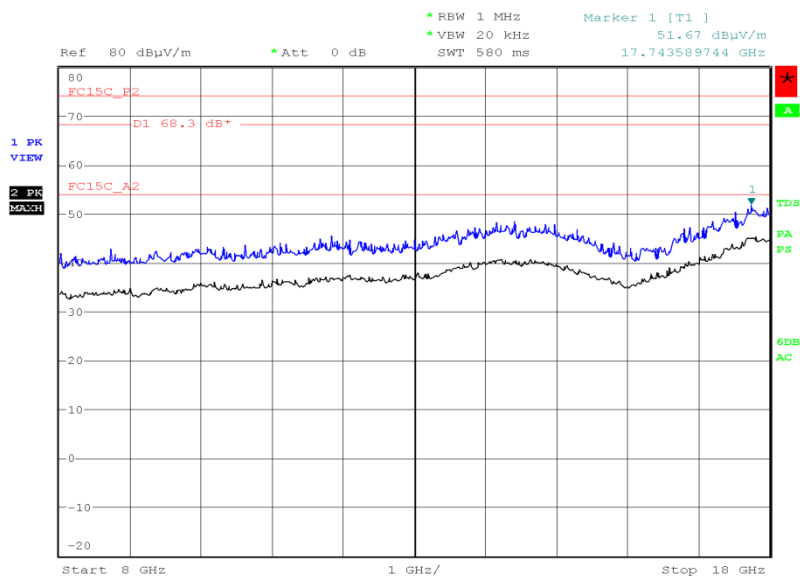
Product Service

802.11ac - 5 GHz 40 MHz Bandwidth, 5190 MHz, MCS0, 7 GHz to 8 GHz, Frequency Band 1, Spurious Radiated Emissions Plot



Date: 26.APR.2015 12:48:20

802.11ac - 5 GHz 40 MHz Bandwidth, 5190 MHz, MCS0, 8 GHz to 18 GHz, Frequency Band 1, Spurious Radiated Emissions Plot

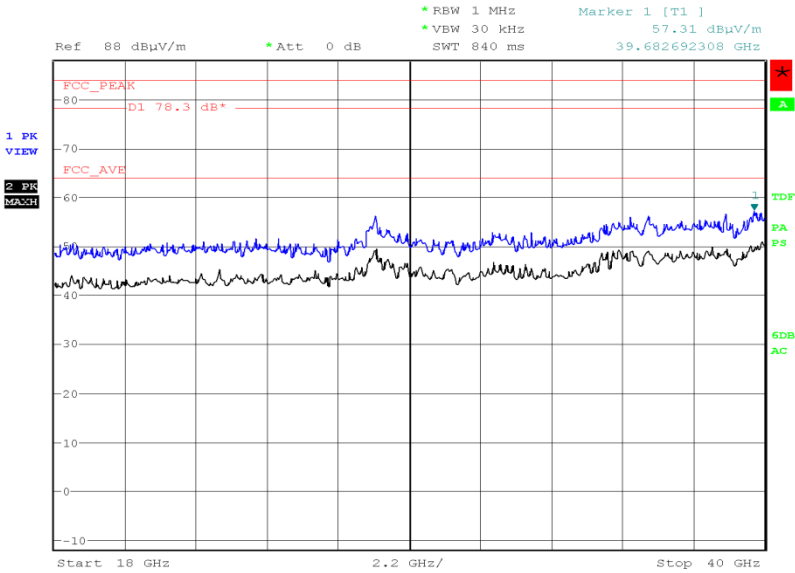


Date: 28.APR.2015 19:01:59



Product Service

802.11ac - 5 GHz 40 MHz Bandwidth, 5190 MHz, MCS0, 18 GHz to 40 GHz, Frequency Band 1, Spurious Radiated Emissions Plot



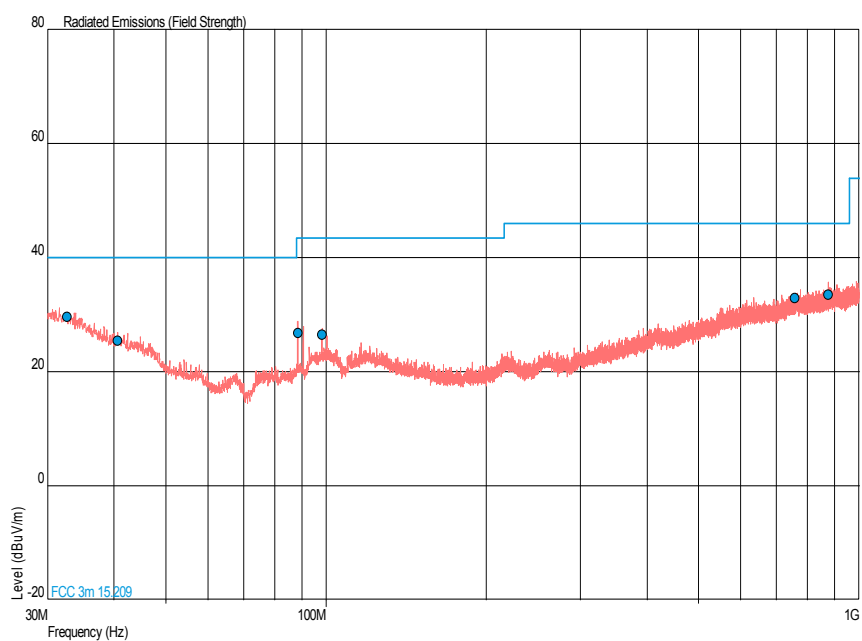
Date: 3.MAY.2015 14:22:04



802.11ac - 5 GHz 40 MHz Bandwidth, 5230 MHz, MCS0, 30 MHz to 1 GHz, Frequency Band 1, Spurious Radiated Emissions Results

Frequency (MHz)	QP Level (dB μ V/m)	QP Margin (dB μ V/m)	QP Level (μ V/m)	QP Margin (μ V/m)	Angle (°)	Height (m)	Polarisation
32.721	29.7	30.5	-10.3	-69.5	118	1.00	Vertical
40.619	25.4	18.6	-14.6	-81.4	231	2.91	Vertical
88.518	26.9	22.1	-16.6	-127.9	0	1.19	Vertical
98.194	26.4	20.9	-17.1	-129.1	360	1.00	Vertical
758.021	32.9	44.2	-13.1	-155.8	0	1.00	Horizontal
875.333	33.5	47.3	-12.5	-152.7	78	1.41	Vertical

802.11ac - 5 GHz 40 MHz Bandwidth, 5230 MHz, MCS0, 30 MHz to 1 GHz, Frequency Band 1, Spurious Radiated Emissions Plot





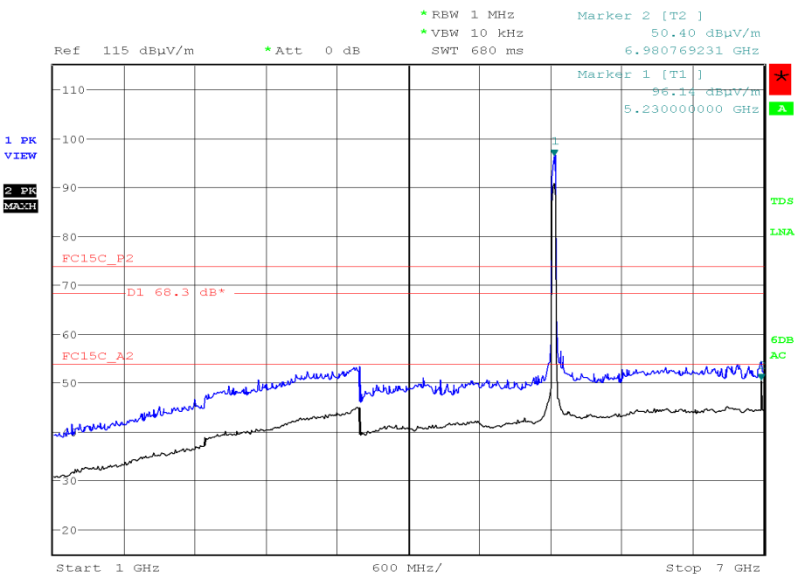
Product Service

802.11ac - 5 GHz 40 MHz Bandwidth, 5230 MHz, MCS0, 1 GHz to 40 GHz, Frequency Band 1, Spurious Radiated Emissions Results

Frequency (MHz)	Final Peak (dBµV/m)	Final Average (dBµV/m)	Final Peak (µV/m)	Final Average (µV/m)	Angle (°)	Height (m)	Polarisation
*							

*No emissions were detected within 10 dB of the limit.

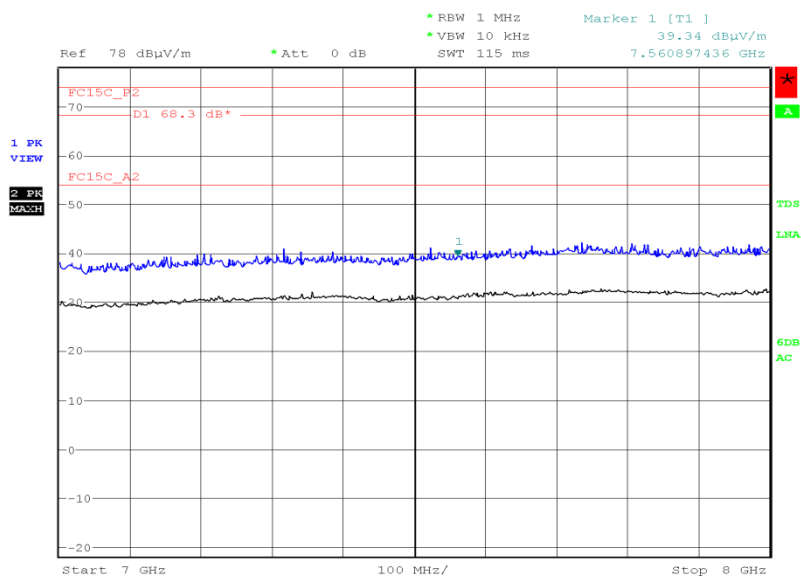
802.11ac - 5 GHz 40 MHz Bandwidth, 5230 MHz, MCS0, 1 GHz to 7 GHz, Frequency Band 1, Spurious Radiated Emissions Plot



Date: 26.APR.2015 09:16:11

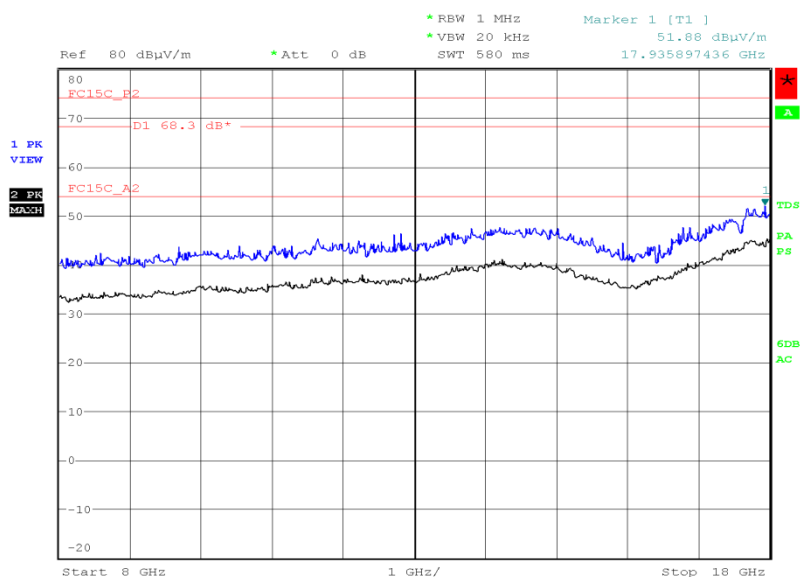
Product Service

802.11ac - 5 GHz 40 MHz Bandwidth, 5230 MHz, MCS0, 7 GHz to 8 GHz, Frequency Band 1,
Spurious Radiated Emissions Plot



Date: 26.APR.2015 12:51:35

802.11ac - 5 GHz 40 MHz Bandwidth, 5230 MHz, MCS0, 8 GHz to 18 GHz, Frequency Band 1,
Spurious Radiated Emissions Plot

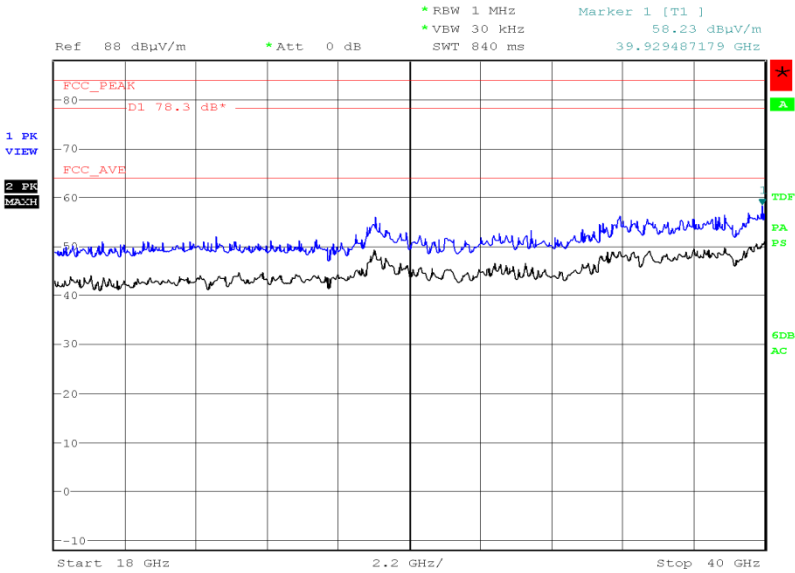


Date: 28.APR.2015 19:19:19



Product Service

802.11ac - 5 GHz 40 MHz Bandwidth, 5230 MHz, MCS0, 18 GHz to 40 GHz, Frequency Band 1, Spurious Radiated Emissions Plot



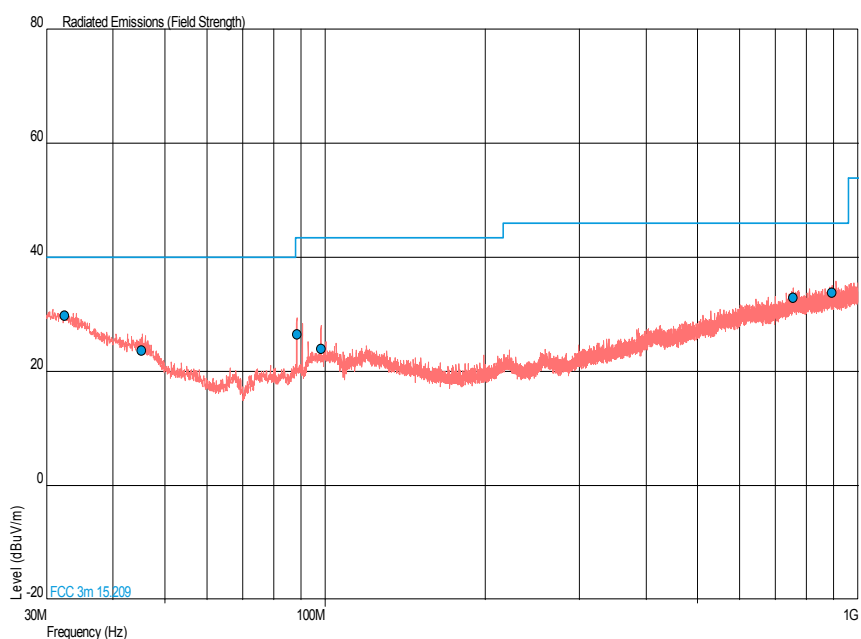
Date: 3.MAY.2015 14:33:26



802.11ac - 5 GHz 40 MHz Bandwidth, 5270 MHz, MCS0, 30 MHz to 1 GHz, Frequency Band 2, Spurious Radiated Emissions Results

Frequency (MHz)	QP Level (dBμV/m)	QP Margin (dBμV/m)	QP Level (μV/m)	QP Margin (μV/m)	Angle (°)	Height (m)	Polarisation
32.420	29.8	-10.2	30.9	-69.1	360	1.00	Vertical
45.278	23.6	-16.4	15.1	-84.9	323	1.00	Vertical
88.509	26.4	-17.1	20.9	-129.1	102	1.25	Vertical
98.224	24.0	-19.5	15.8	-134.2	328	1.00	Vertical
754.323	32.9	-13.1	44.2	-155.8	120	3.98	Horizontal
893.779	33.8	-12.2	49.0	-151.0	360	1.00	Horizontal

802.11ac - 5 GHz 40 MHz Bandwidth, 5270 MHz, MCS0, 30 MHz to 1 GHz, Frequency Band 2, Spurious Radiated Emissions Plot





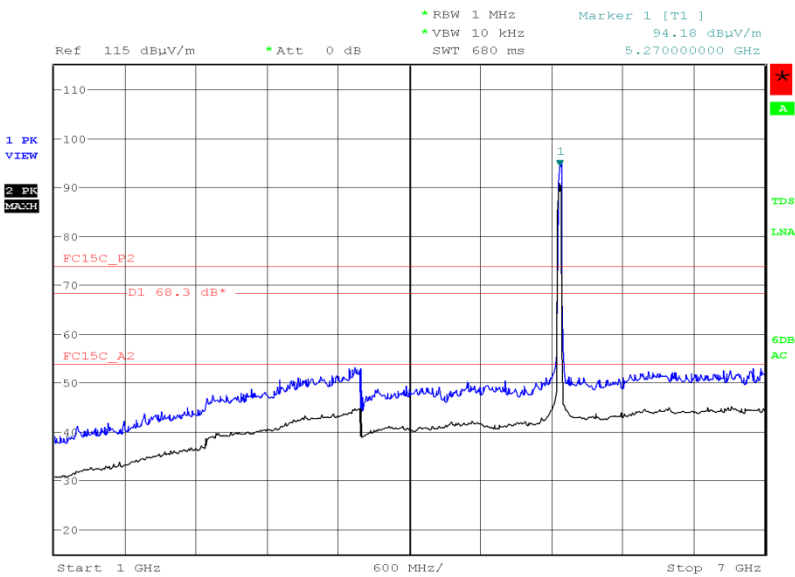
Product Service

802.11ac - 5 GHz 40 MHz Bandwidth, 5270 MHz, MCS0, 1 GHz to 40 GHz, Frequency Band 2, Spurious Radiated Emissions Results

Frequency (MHz)	Final Peak (dBµV/m)	Final Average (dBµV/m)	Final Peak (µV/m)	Final Average (µV/m)	Angle (°)	Height (m)	Polarisation
*							

*No emissions were detected within 10 dB of the limit.

802.11ac - 5 GHz 40 MHz Bandwidth, 5270 MHz, MCS0, 1 GHz to 7 GHz, Frequency Band 2, Spurious Radiated Emissions Plot

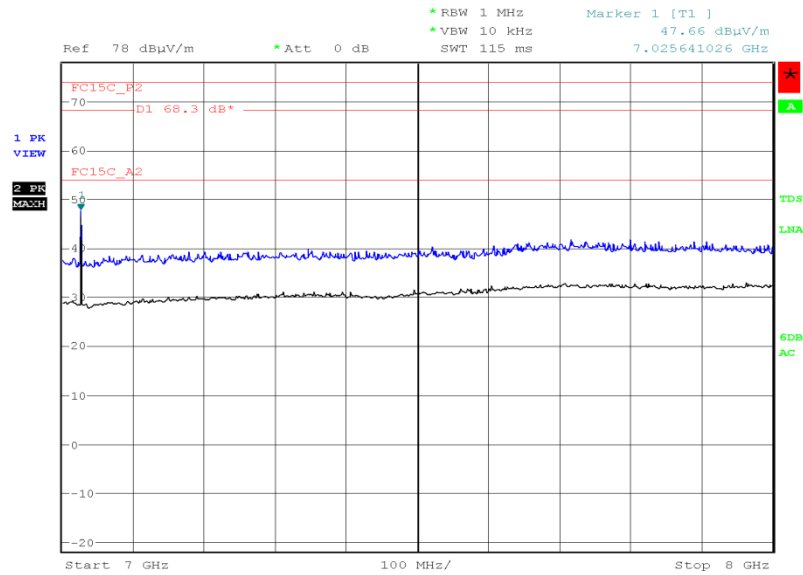


Date: 26.APR.2015 09:40:03



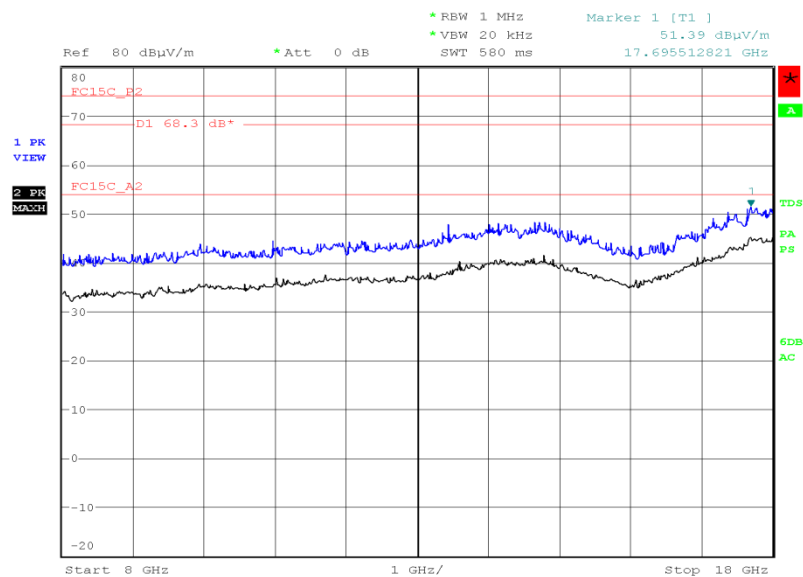
Product Service

802.11ac - 5 GHz 40 MHz Bandwidth, 5270 MHz, MCS0, 7 GHz to 8 GHz, Frequency Band 2, Spurious Radiated Emissions Plot



Date: 27.APR.2015 19:38:40

802.11ac - 5 GHz 40 MHz Bandwidth, 5270 MHz, MCS0, 8 GHz to 18 GHz, Frequency Band 2, Spurious Radiated Emissions Plot

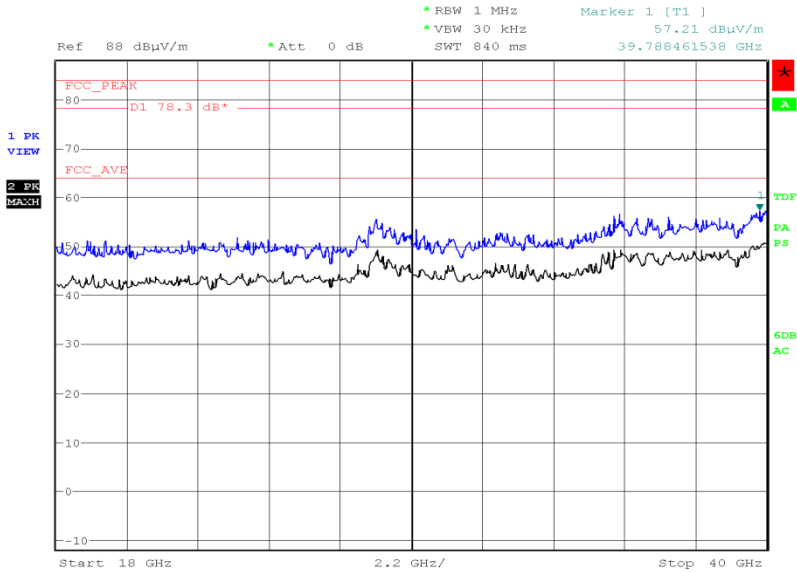


Date: 28.APR.2015 19:31:13



Product Service

802.11ac - 5 GHz 40 MHz Bandwidth, 5270 MHz, MCS0, 18 GHz to 40 GHz, Frequency Band
2. Spurious Radiated Emissions Plot



Date: 3.MAY.2015 14:45:48

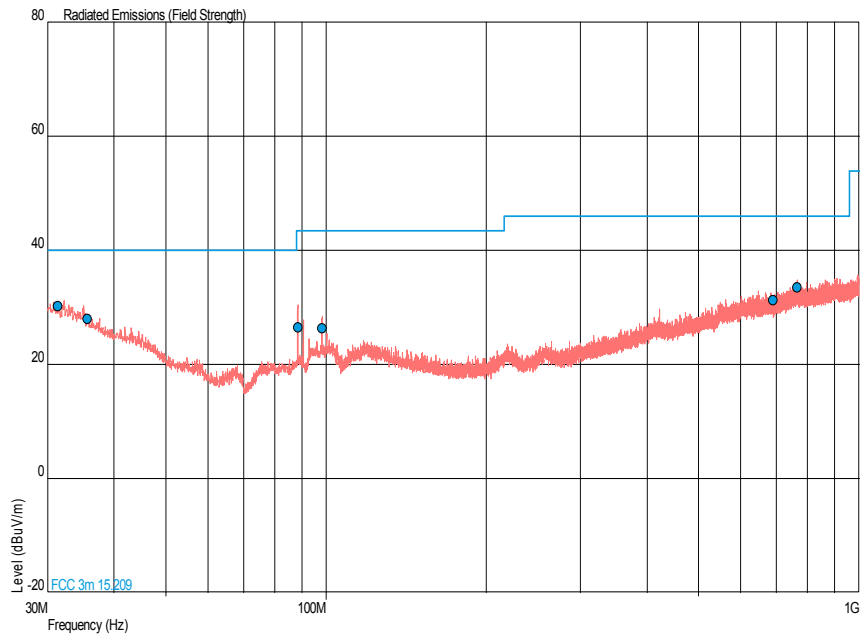


Product Service

802.11ac - 5 GHz 40 MHz Bandwidth, 5310 MHz, MCS0, 30 MHz to 1 GHz, Frequency Band 2, Spurious Radiated Emissions Results

Frequency (MHz)	QP Level (dBµV/m)	QP Margin (dBµV/m)	QP Level (µV/m)	QP Margin (µV/m)	Angle (°)	Height (m)	Polarisation
31.354	30.2	-9.8	32.4	-67.6	353	1.00	Vertical
35.673	27.9	-12.1	24.8	-75.2	5	1.00	Horizontal
88.500	26.5	-17.0	21.1	-128.9	164	1.00	Vertical
98.213	26.4	-17.1	20.9	-129.1	360	1.00	Vertical
690.874	31.3	-14.7	36.7	-163.3	287	1.00	Vertical
765.503	33.5	-12.5	47.3	-152.7	257	2.60	Vertical

802.11ac - 5 GHz 40 MHz Bandwidth, 5310 MHz, MCS0, 30 MHz to 1 GHz, Frequency Band 2, Spurious Radiated Emissions Plot





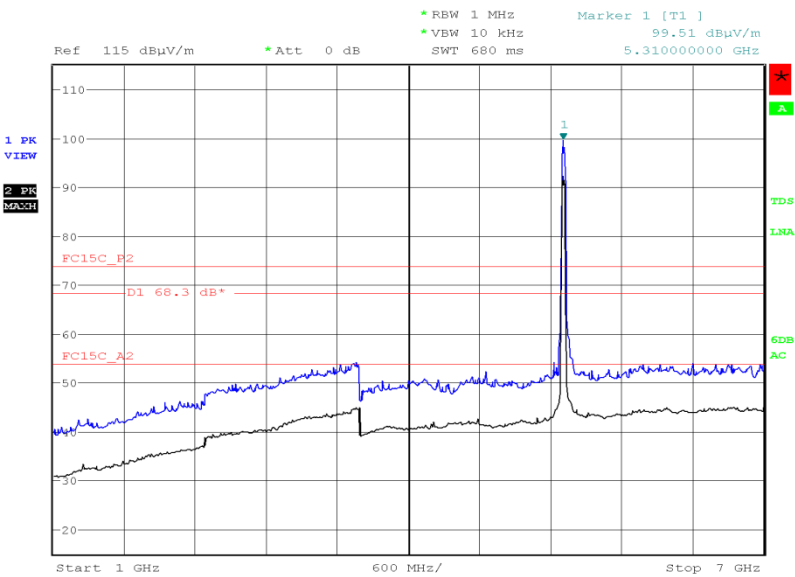
Product Service

802.11ac - 5 GHz 40 MHz Bandwidth, 5310 MHz, MCS0, 1 GHz to 40 GHz, Frequency Band 2, Spurious Radiated Emissions Results

Frequency (MHz)	Final Peak (dBµV/m)	Final Average (dBµV/m)	Final Peak (µV/m)	Final Average (µV/m)	Angle (°)	Height (m)	Polarisation
*							

*No emissions were detected within 10 dB of the limit.

802.11ac - 5 GHz 40 MHz Bandwidth, 5310 MHz, MCS0, 1 GHz to 7 GHz, Frequency Band 2, Spurious Radiated Emissions Plot

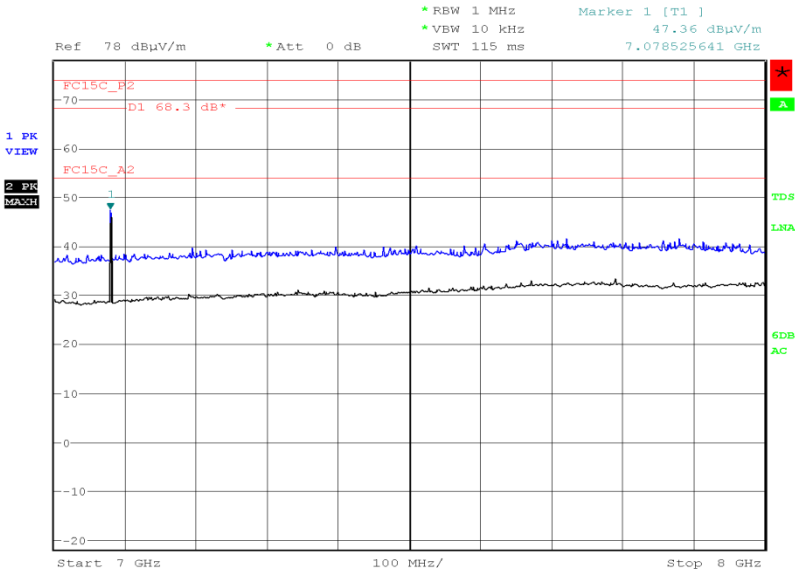


Date: 26.APR.2015 10:02:46



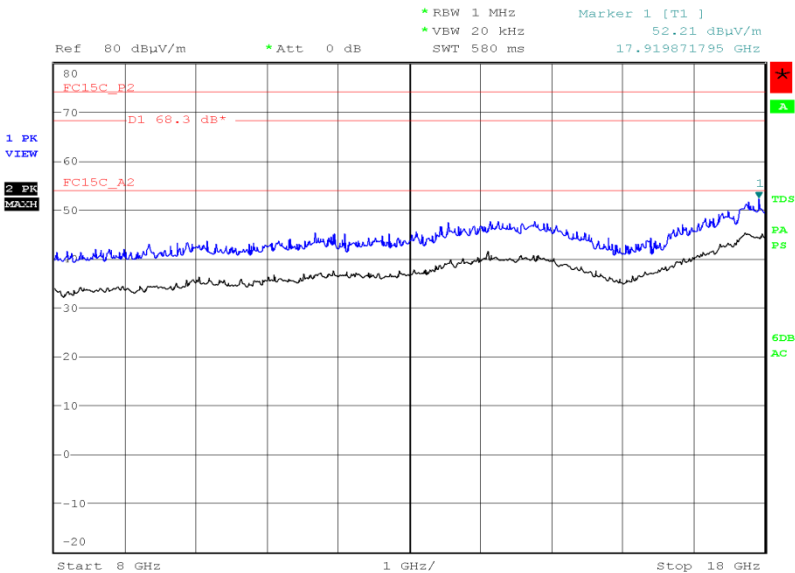
Product Service

802.11ac - 5 GHz 40 MHz Bandwidth, 5310 MHz, MCS0, 7 GHz to 8 GHz, Frequency Band 2, Spurious Radiated Emissions Plot



Date: 27.APR.2015 18:18:25

802.11ac - 5 GHz 40 MHz Bandwidth, 5310 MHz, MCS0, 8 GHz to 18 GHz, Frequency Band 2, Spurious Radiated Emissions Plot

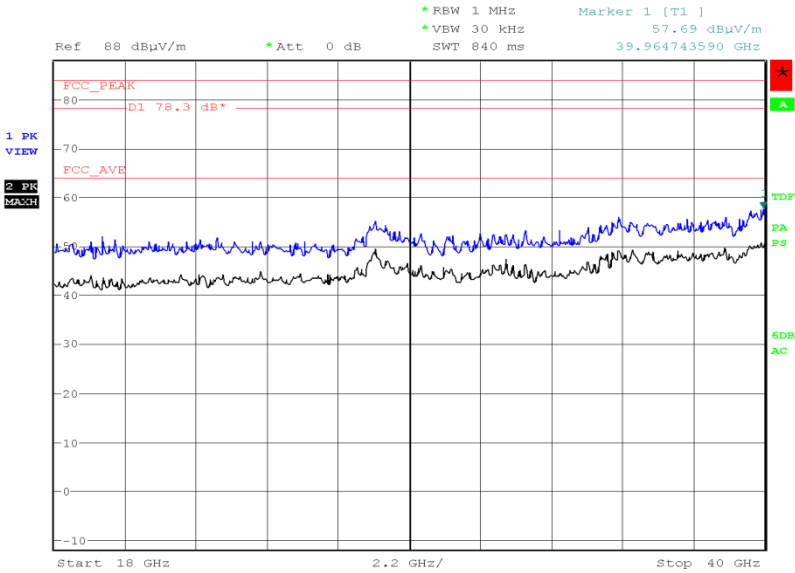


Date: 28.APR.2015 19:41:15



Product Service

802.11ac - 5 GHz 40 MHz Bandwidth, 5310 MHz, MCS0, 18 GHz to 40 GHz, Frequency Band
2. Spurious Radiated Emissions Plot



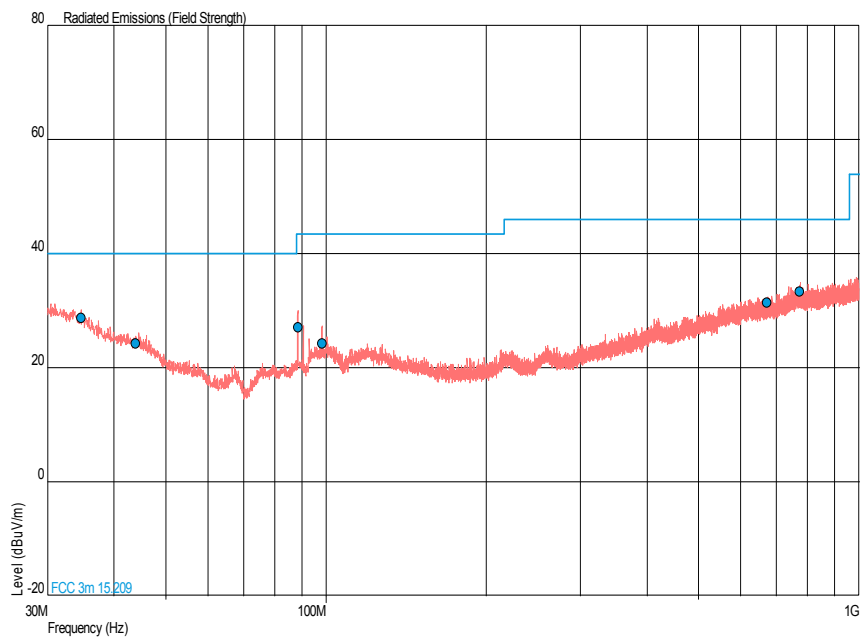
Date: 3.MAY.2015 14:57:31



802.11ac - 5 GHz 40 MHz Bandwidth, 5510 MHz, MCS0, 30 MHz to 1 GHz, Frequency Band 3, Spurious Radiated Emissions Results

Frequency (MHz)	QP Level (dBμV/m)	QP Margin (dBμV/m)	QP Level (μV/m)	QP Margin (μV/m)	Angle (°)	Height (m)	Polarisation
34.708	28.7	-11.3	27.2	-72.8	216	1.00	Vertical
43.979	24.3	-15.7	16.4	-83.6	16	1.00	Vertical
88.502	27.1	-16.4	22.6	-127.4	73	1.00	Vertical
98.207	24.3	-19.2	16.4	-133.6	360	1.00	Vertical
670.534	31.4	-14.6	37.2	-162.8	0	1.00	Vertical
773.929	33.3	-12.7	46.2	-153.8	360	1.00	Vertical

802.11ac - 5 GHz 40 MHz Bandwidth, 5510 MHz, MCS0, 30 MHz to 1 GHz, Frequency Band 3, Spurious Radiated Emissions Plot





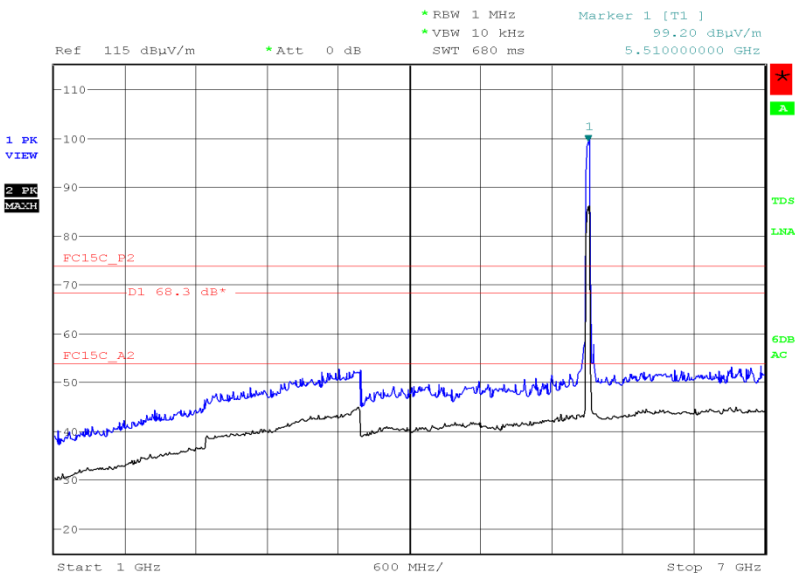
Product Service

802.11ac - 5 GHz 40 MHz Bandwidth, 5510 MHz, MCS0, 1 GHz to 40 GHz, Frequency Band 3, Spurious Radiated Emissions Results

Frequency (MHz)	Final Peak (dBµV/m)	Final Average (dBµV/m)	Final Peak (µV/m)	Final Average (µV/m)	Angle (°)	Height (m)	Polarisation
7346.675	50.96	47.96	353.18	250.03	354	168	Vertical

No other emissions were detected within 10 dB of the limit.

802.11ac - 5 GHz 40 MHz Bandwidth, 5510 MHz, MCS0, 1 GHz to 7 GHz, Frequency Band 3, Spurious Radiated Emissions Plot

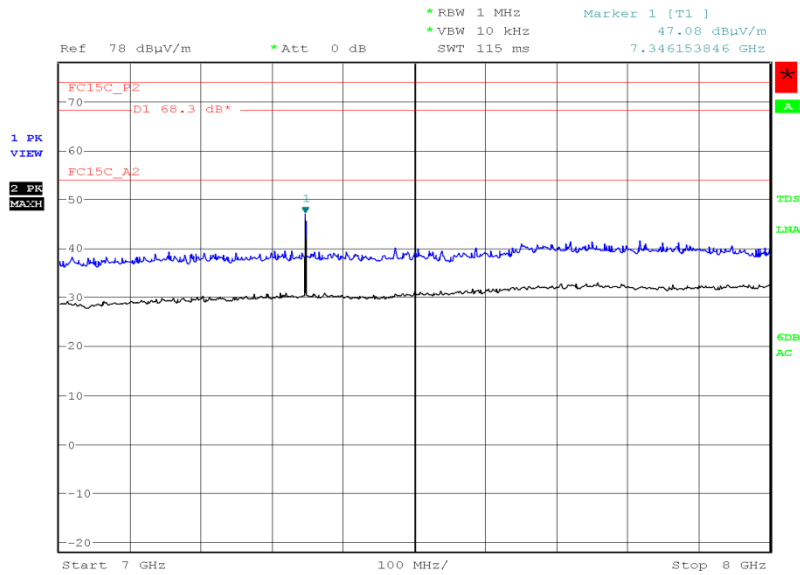


Date: 26.APR.2015 10:18:34



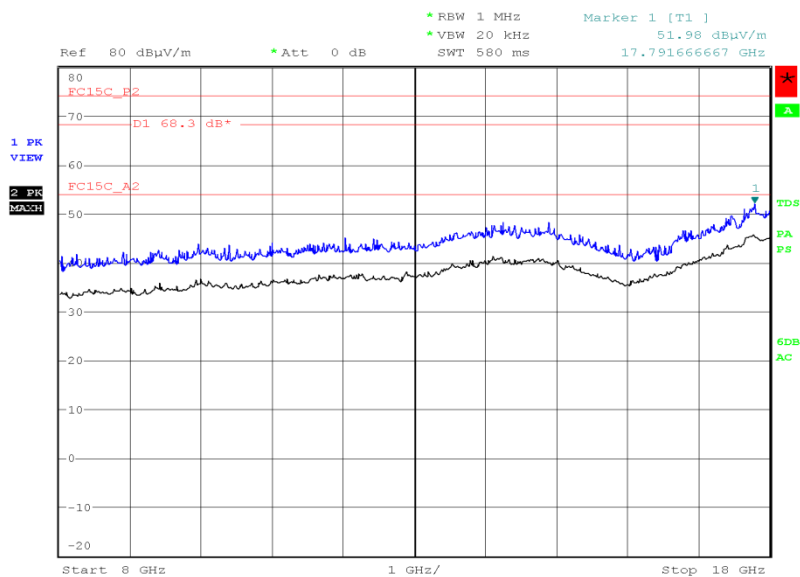
Product Service

**802.11ac - 5 GHz 40 MHz Bandwidth, 5510 MHz, MCS0, 7 GHz to 8 GHz, Frequency Band 3,
Spurious Radiated Emissions Plot**



Date: 27.APR.2015 18:21:31

**802.11ac - 5 GHz 40 MHz Bandwidth, 5510 MHz, MCS0, 8 GHz to 18 GHz, Frequency Band 3,
Spurious Radiated Emissions Plot**

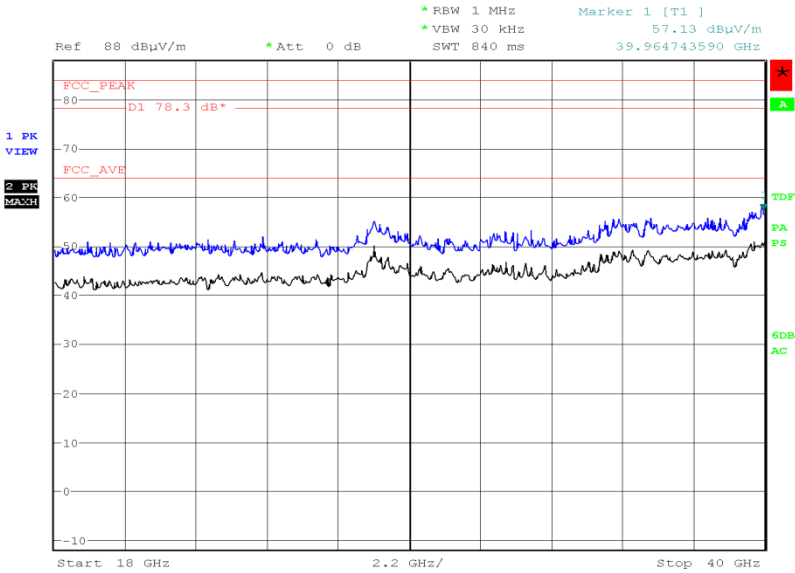


Date: 28.APR.2015 19:53:22



Product Service

802.11ac - 5 GHz 40 MHz Bandwidth, 5510 MHz, MCS0, 18 GHz to 40 GHz, Frequency Band
3. Spurious Radiated Emissions Plot



Date: 3.MAY.2015 15:08:35

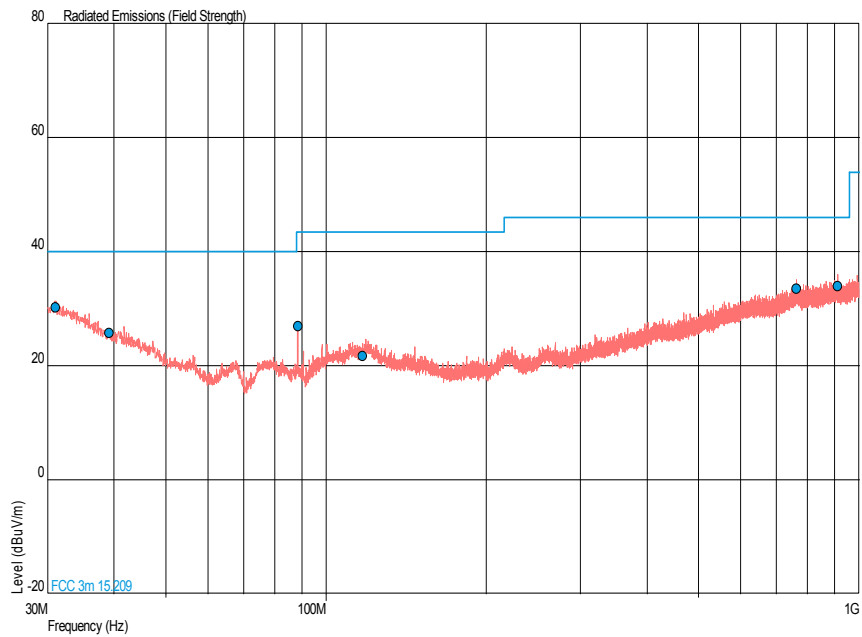


Product Service

802.11ac - 5 GHz 40 MHz Bandwidth, 5590 MHz, MCS0, 30 MHz to 1 GHz, Frequency Band 3, Spurious Radiated Emissions Results

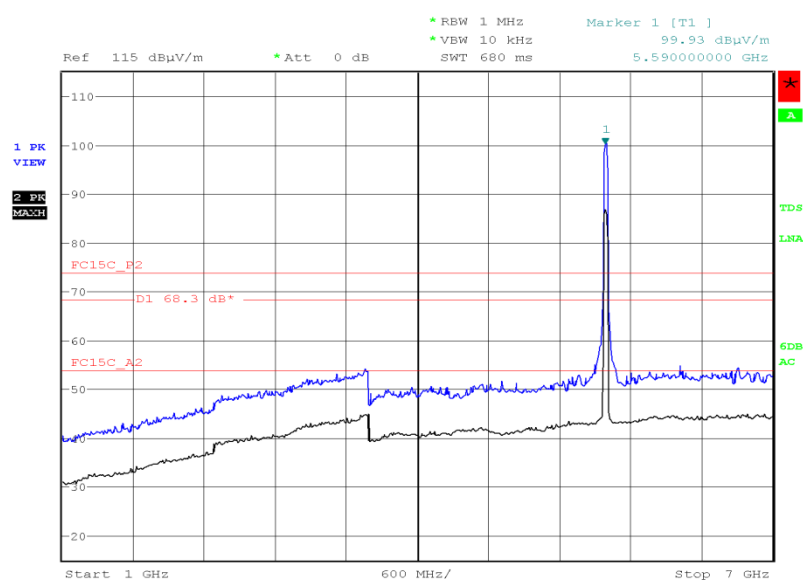
Frequency (MHz)	QP Level (dBµV/m)	QP Margin (dBµV/m)	QP Level (µV/m)	QP Margin (µV/m)	Angle (°)	Height (m)	Polarisation
31.117	30.2	-9.8	32.4	-67.6	101	1.00	Horizontal
39.207	25.7	-14.3	19.3	-80.7	280	1.00	Horizontal
88.509	27.0	-16.5	22.4	-127.6	68	1.03	Vertical
116.979	21.7	-21.8	12.2	-137.8	119	1.00	Vertical
763.234	33.6	-12.4	47.9	-152.1	360	3.80	Horizontal
911.216	34.0	-12.0	50.1	-149.9	101	1.00	Vertical

802.11ac - 5 GHz 40 MHz Bandwidth, 5590 MHz, MCS0, 30 MHz to 1 GHz, Frequency Band 3, Spurious Radiated Emissions Plot



Frequency (MHz)	Final Peak (dBμV/m)	Final Average (dBμV/m)	Final Peak (μV/m)	Final Average (μV/m)	Angle (°)	Height (m)	Polarisation
7453.277	49.31	46.89	292.08	221.05	347	166	Vertical

802.11ac - 5 GHz 40 MHz Bandwidth, 5590 MHz, MCS0, 1 GHz to 7 GHz, Frequency Band 3,
Spurious Radiated Emissions Plot

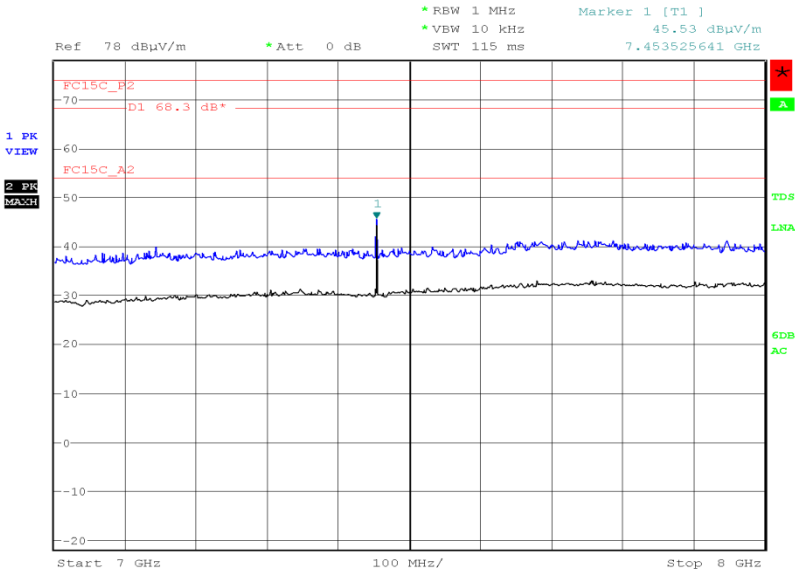


Date: 26.APR.2015 10:41:09



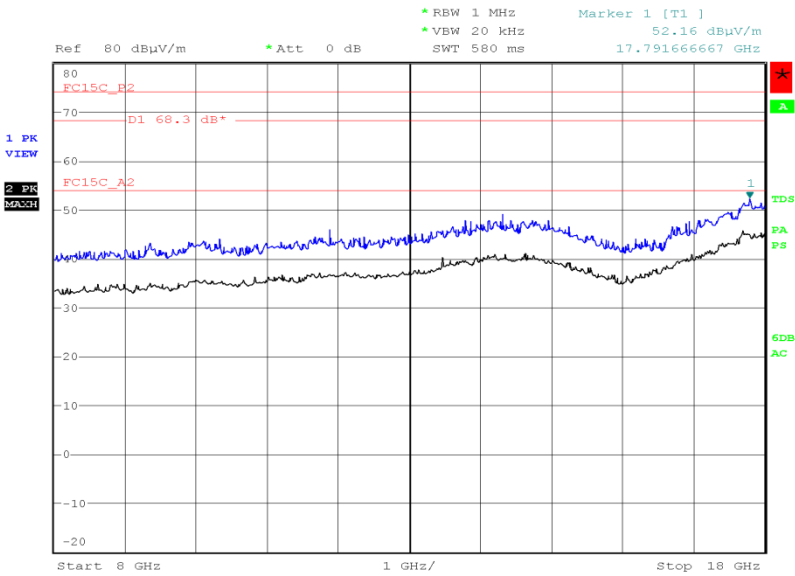
Product Service

802.11ac - 5 GHz 40 MHz Bandwidth, 5590 MHz, MCS0, 7 GHz to 8 GHz, Frequency Band 3, Spurious Radiated Emissions Plot



Date: 27.APR.2015 18:46:35

802.11ac - 5 GHz 40 MHz Bandwidth, 5590 MHz, MCS0, 8 GHz to 18 GHz, Frequency Band 3, Spurious Radiated Emissions Plot

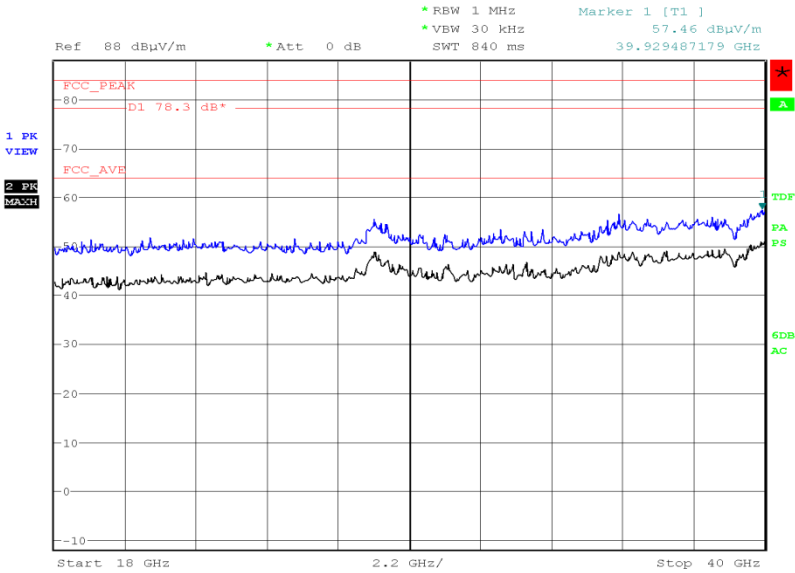


Date: 28.APR.2015 20:03:58



Product Service

802.11ac - 5 GHz 40 MHz Bandwidth, 5590 MHz, MCS0, 18 GHz to 40 GHz, Frequency Band
3. Spurious Radiated Emissions Plot



Date: 3.MAY.2015 15:36:19

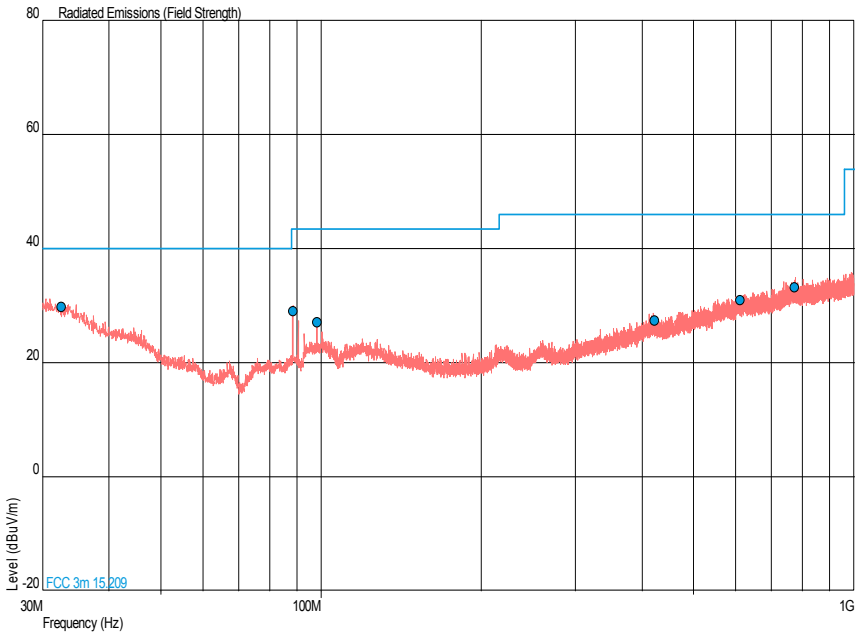


Product Service

802.11ac - 5 GHz 40 MHz Bandwidth, 5670 MHz, MCS0, 30 MHz to 1 GHz, Frequency Band 3, Spurious Radiated Emissions Results

Frequency (MHz)	QP Level (dBµV/m)	QP Margin (dBµV/m)	QP Level (µV/m)	QP Margin (µV/m)	Angle (°)	Height (m)	Polarisation
32.569	29.7	-10.3	30.5	-69.5	247	2.70	Vertical
88.505	29.0	-14.5	28.2	-121.8	0	1.08	Vertical
98.205	27.1	-16.4	22.6	-127.4	329	1.00	Vertical
422.866	27.3	-18.7	23.2	-126.8	0	1.00	Vertical
611.174	31.0	-15.0	35.5	-164.5	360	1.00	Vertical
773.867	33.3	-12.7	46.2	-153.8	0	1.00	Vertical

802.11ac - 5 GHz 40 MHz Bandwidth, 5670 MHz, MCS0, 30 MHz to 1 GHz, Frequency Band 3, Spurious Radiated Emissions Plot





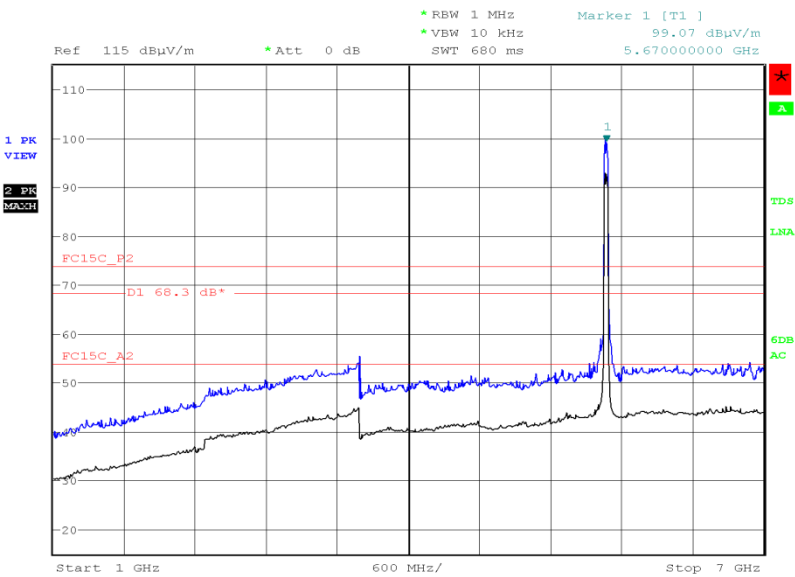
Product Service

802.11ac - 5 GHz 40 MHz Bandwidth, 5670 MHz, MCS0, 1 GHz to 40 GHz, Frequency Band 3, Spurious Radiated Emissions Results

Frequency (MHz)	Final Peak (dBµV/m)	Final Average (dBµV/m)	Final Peak (µV/m)	Final Average (µV/m)	Angle (°)	Height (m)	Polarisation
*							

*No emissions were detected within 10 dB of the limit.

802.11ac - 5 GHz 40 MHz Bandwidth, 5670 MHz, MCS0, 1 GHz to 7 GHz, Frequency Band 3, Spurious Radiated Emissions Plot

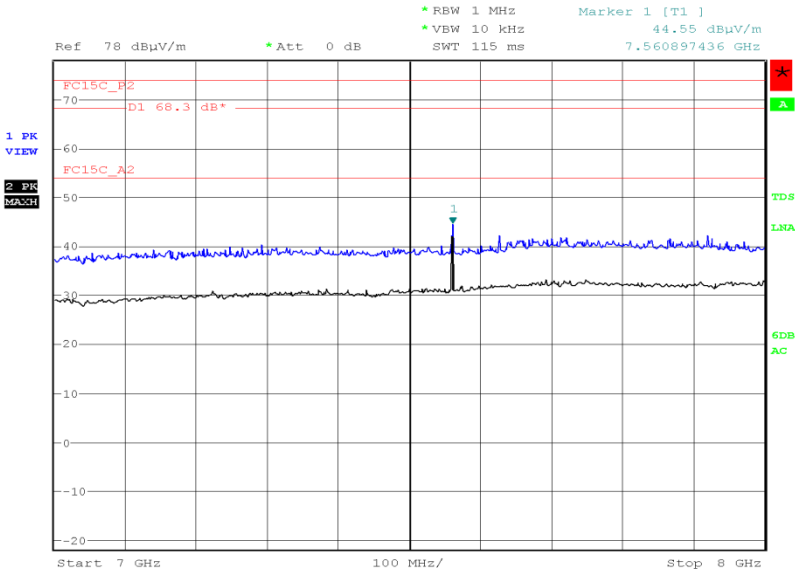


Date: 26.APR.2015 10:57:30



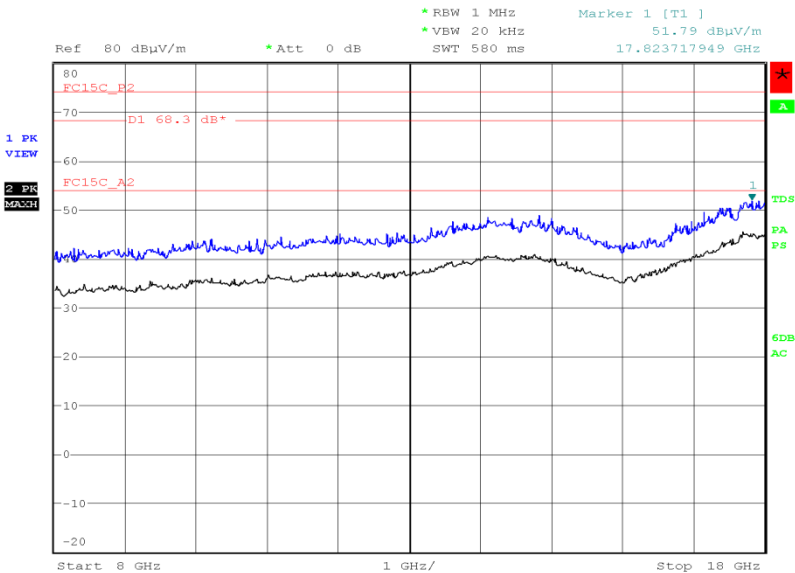
Product Service

802.11ac - 5 GHz 40 MHz Bandwidth, 5670 MHz, MCS0, 7 GHz to 8 GHz, Frequency Band 3, Spurious Radiated Emissions Plot



Date: 27.APR.2015 18:59:04

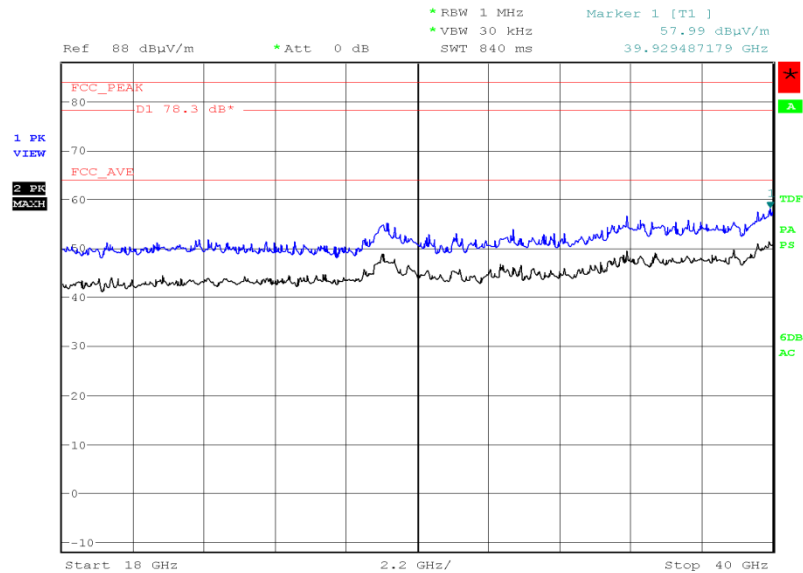
802.11ac - 5 GHz 40 MHz Bandwidth, 5670 MHz, MCS0, 8 GHz to 18 GHz, Frequency Band 3, Spurious Radiated Emissions Plot



Date: 28.APR.2015 20:17:03



802.11ac - 5 GHz 40 MHz Bandwidth, 5670 MHz, MCS0, 18 GHz to 40 GHz, Frequency Band 3, Spurious Radiated Emissions Plot



Date: 3.MAY.2015 15:48:25

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

Outside the 5.15 GHz to 5.35 GHz band	-27 dBm/MHz
Outside the 5.25 GHz to 5.35 GHz band	-27 dBm/MHz
Outside the 5.47 GHz to 5.725 GHz band	-27 dBm/MHz

FCC 47 CFR Part 15, Limit Clause 15.205

	Peak (dBμV/m)	Average (dBμV/m)
Restricted Bands of Operation	74	54

FCC 47 CFR Part 15, Limit Clause 15.209

Frequency (MHz)	Field Strength			Measurement Distance (m)
	(μV/m)	Average (dBμV/m)	Peak (dBμV/m)	
30-88	100	40.0	60.0	3
88-216	150	43.5	63.5	3
216-960	200	46.0	66.0	3
Above 960	500	54.0	74.0	3



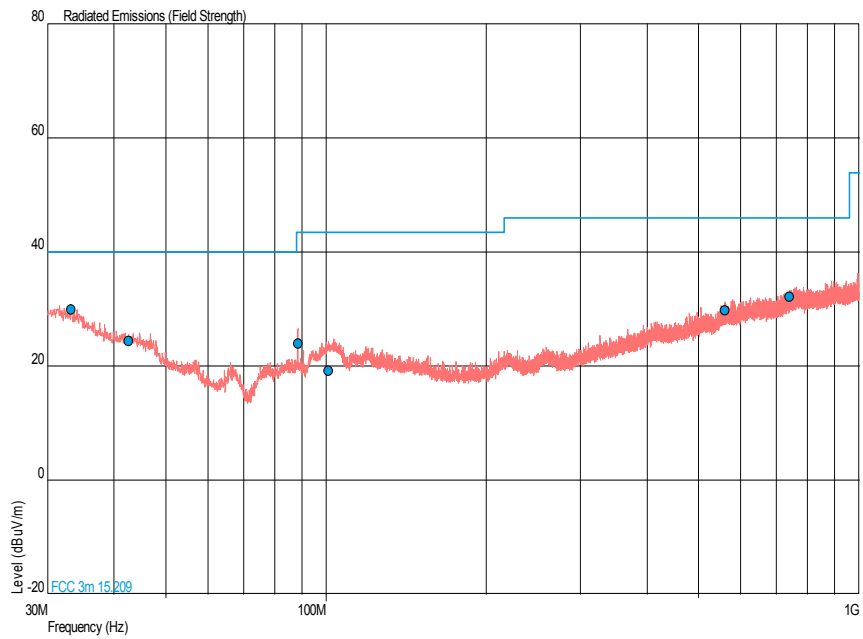
Product Service

4.0 V DC Supply

802.11n - 5 GHz 40 MHz Bandwidth, 5190 MHz, MCS0, 30 MHz to 1 GHz, Frequency Band 1, Spurious Radiated Emissions Results

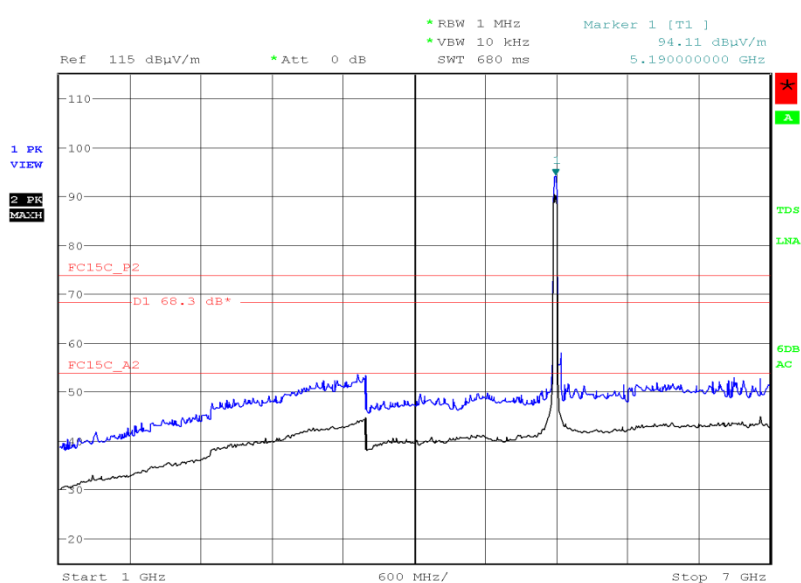
Frequency (MHz)	QP Level (dBµV/m)	QP Margin (dBµV/m)	QP Level (µV/m)	QP Margin (µV/m)	Angle (°)	Height (m)	Polarisation
33.247	29.9	-10.1	31.3	-68.7	164	1.00	Horizontal
42.614	24.3	-15.7	16.4	-83.6	101	1.25	Vertical
88.502	23.9	-19.6	15.7	-134.3	14	1.02	Vertical
101.001	19.1	-24.4	9.0	-141.0	184	1.00	Vertical
559.832	29.8	-16.2	30.9	-169.1	341	1.00	Vertical
739.870	32.1	-13.9	40.3	-159.7	106	3.95	Horizontal

802.11n - 5 GHz 40 MHz Bandwidth, 5190 MHz, MCS0, 30 MHz to 1 GHz, Frequency Band 1, Spurious Radiated Emissions Plot



Frequency (MHz)	Final Peak (dBμV/m)	Final Average (dBμV/m)	Final Peak (μV/m)	Final Average (μV/m)	Angle (°)	Height (m)	Polarisation
*							

802.11n - 5 GHz 40 MHz Bandwidth, 5190 MHz, MCS0, 1 GHz to 7 GHz, Frequency Band 1,
Spurious Radiated Emissions Plot

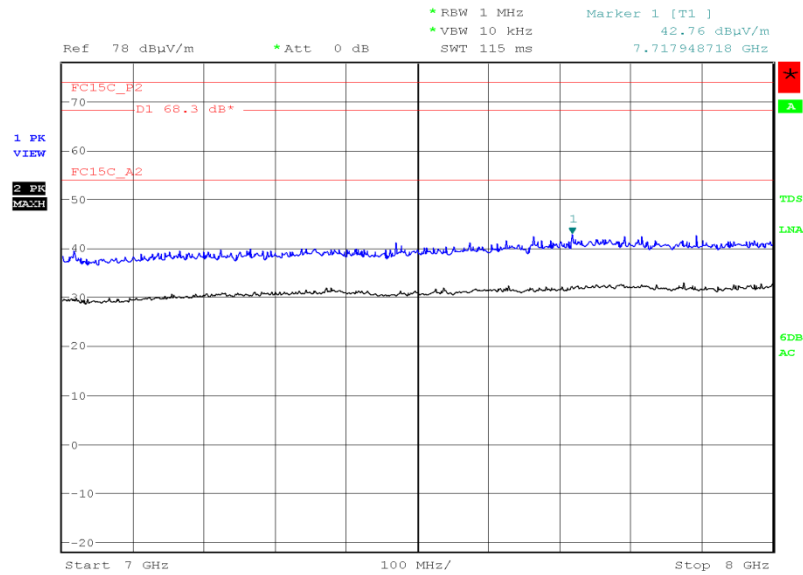


Date: 21.APR.2015 23:13:38



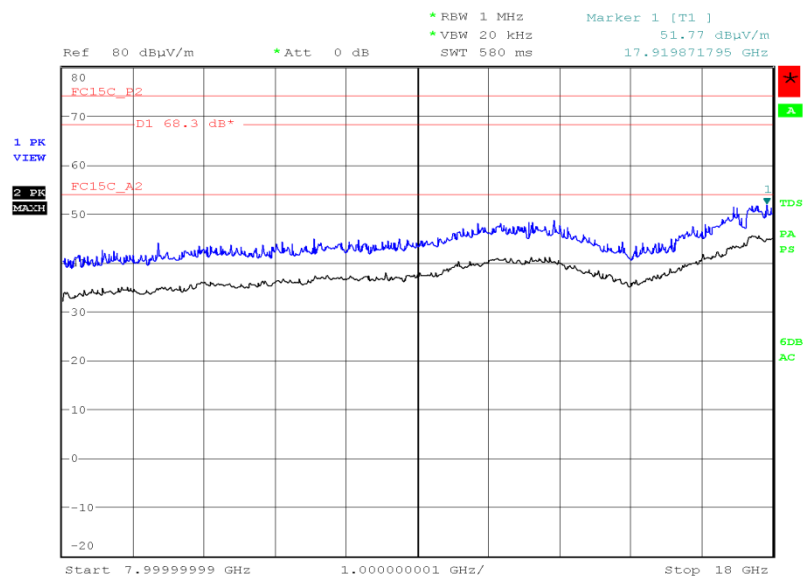
Product Service

**802.11n - 5 GHz 40 MHz Bandwidth, 5190 MHz, MCS0, 7 GHz to 8 GHz, Frequency Band 1,
Spurious Radiated Emissions Plot**



Date: 26.APR.2015 12:15:55

**802.11n - 5 GHz 40 MHz Bandwidth, 5190 MHz, MCS0, 8 GHz to 18 GHz, Frequency Band 1,
Spurious Radiated Emissions Plot**

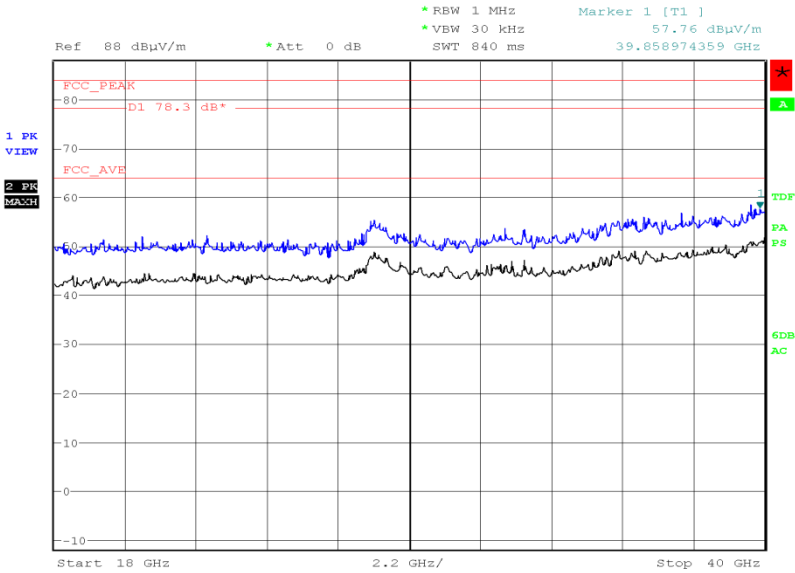


Date: 28.APR.2015 17:20:51



Product Service

802.11n - 5 GHz 40 MHz Bandwidth, 5190 MHz, MCS0, 18 GHz to 40 GHz, Frequency Band 1, Spurious Radiated Emissions Plot



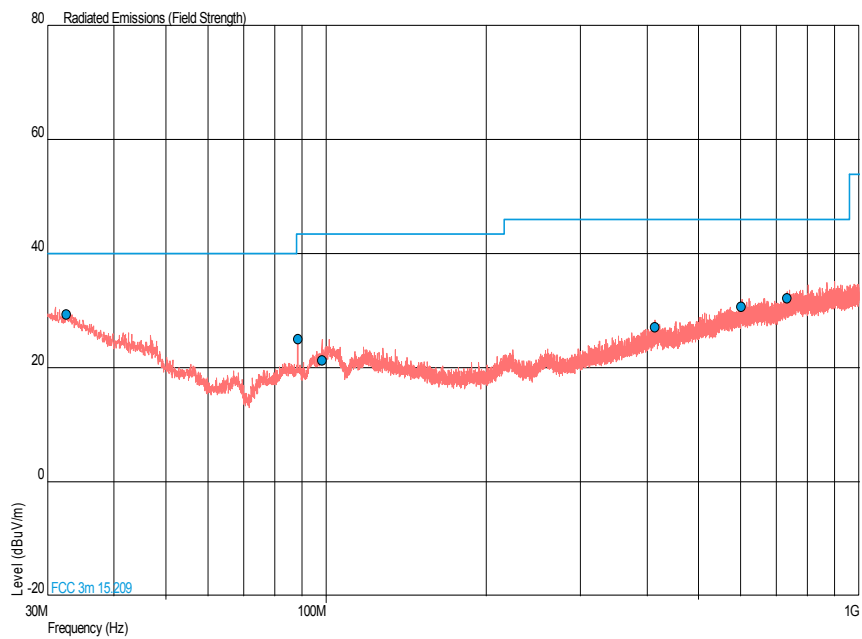
Date: 3.MAY.2015 10:27:13



802.11n - 5 GHz 40 MHz Bandwidth, 5230 MHz, MCS0, 30 MHz to 1 GHz, Frequency Band 1, Spurious Radiated Emissions Results

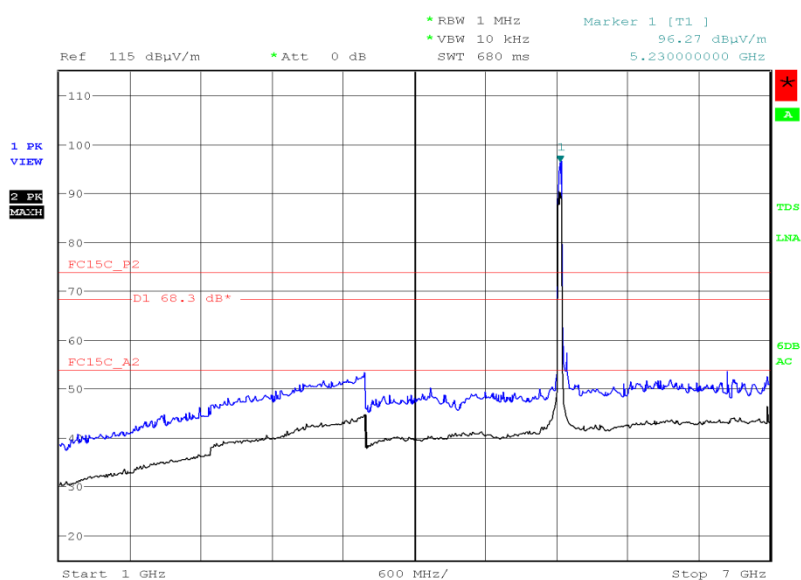
Frequency (MHz)	QP Level (dB μ V/m)	QP Margin (dB μ V/m)	QP Level (μ V/m)	QP Margin (μ V/m)	Angle (°)	Height (m)	Polarisation
32.524	29.4	-10.6	29.5	-70.5	223	3.87	Horizontal
88.495	24.9	-18.6	17.6	-132.4	0	1.00	Vertical
98.194	21.3	-22.2	11.6	-138.4	297	1.00	Vertical
414.155	27.1	-18.9	22.6	-177.4	201	3.98	Horizontal
600.398	30.7	-15.3	34.3	-165.7	66	1.00	Horizontal
732.499	32.2	-13.8	40.7	-159.3	360	1.00	Horizontal

802.11n - 5 GHz 40 MHz Bandwidth, 5230 MHz, MCS0, 30 MHz to 1 GHz, Frequency Band 1, Spurious Radiated Emissions Plot



Frequency (MHz)	Final Peak (dB μ V/m)	Final Average (dB μ V/m)	Final Peak (μ V/m)	Final Average (μ V/m)	Angle (°)	Height (m)	Polarisation
*							

802.11n - 5 GHz 40 MHz Bandwidth, 5230 MHz, MCS0, 1 GHz to 7 GHz, Frequency Band 1,
Spurious Radiated Emissions Plot

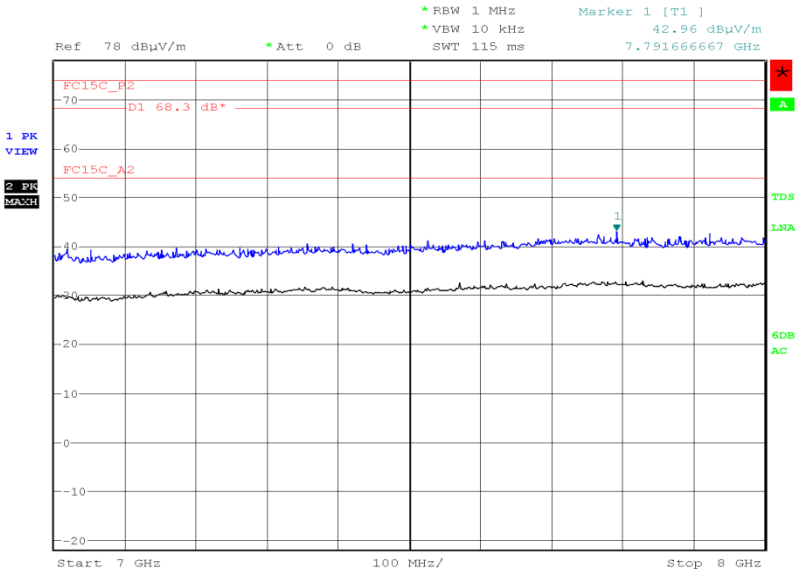


Date: 21.APR.2015 23:35:06



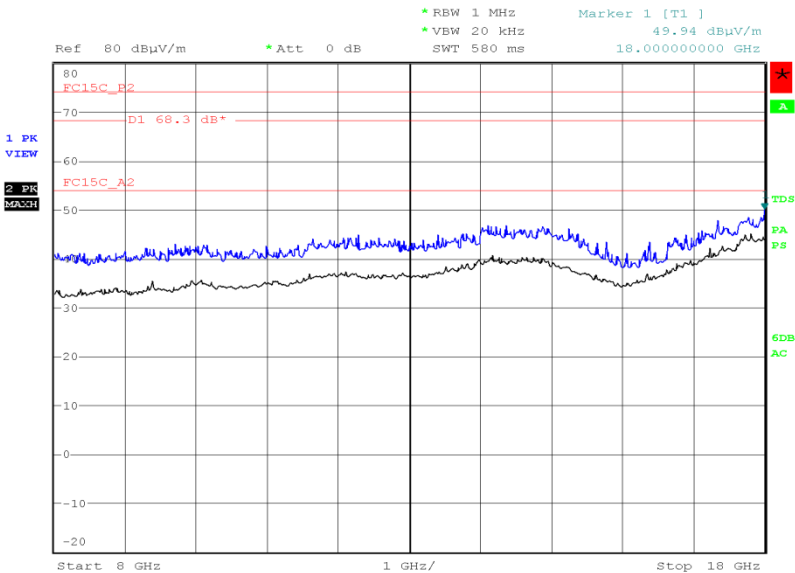
Product Service

802.11n - 5 GHz 40 MHz Bandwidth, 5230 MHz, MCS0, 7 GHz to 8 GHz, Frequency Band 1, Spurious Radiated Emissions Plot



Date: 26.APR.2015 12:20:08

802.11n - 5 GHz 40 MHz Bandwidth, 5230 MHz, MCS0, 8 GHz to 18 GHz, Frequency Band 1, Spurious Radiated Emissions Plot

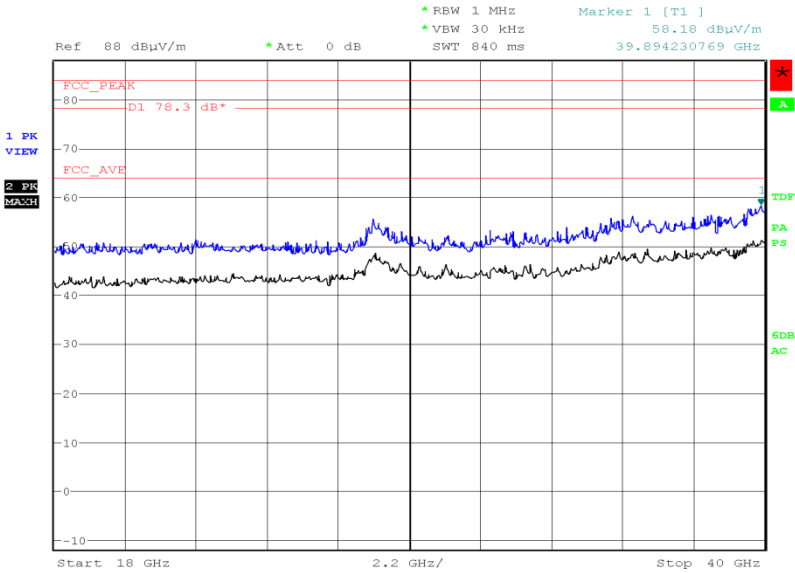


Date: 28.APR.2015 00:00:14



Product Service

802.11n - 5 GHz 40 MHz Bandwidth, 5230 MHz, MCS0, 18 GHz to 40 GHz, Frequency Band 1, Spurious Radiated Emissions Plot



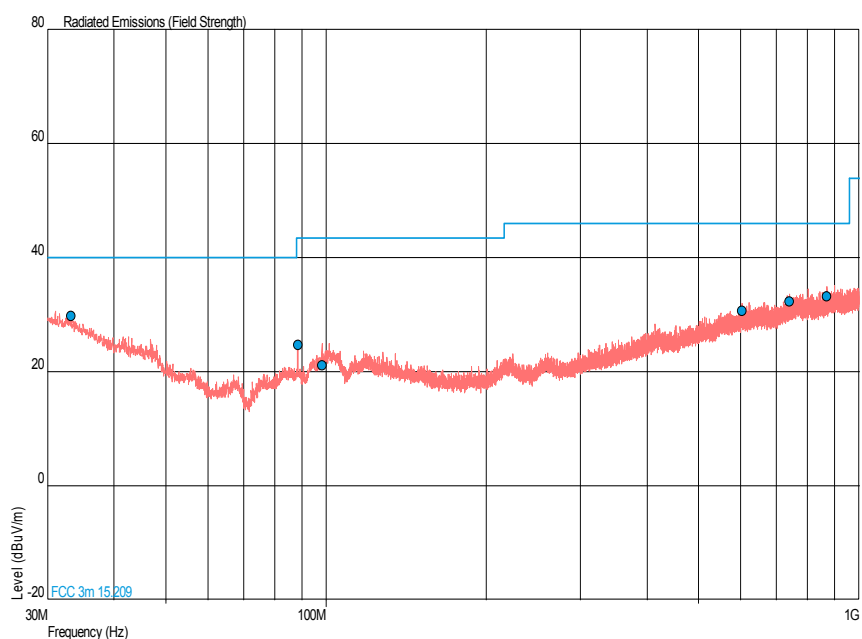
Date: 3.MAY.2015 10:35:57



802.11n - 5 GHz 40 MHz Bandwidth, 5270 MHz, MCS0, 30 MHz to 1 GHz, Frequency Band 2, Spurious Radiated Emissions Results

Frequency (MHz)	QP Level (dBμV/m)	QP Margin (dBμV/m)	QP Level (μV/m)	QP Margin (μV/m)	Angle (°)	Height (m)	Polarisation
33.247	29.8	-10.2	30.9	-69.1	189	1.00	Vertical
88.514	24.7	-18.8	17.2	-132.8	0	1.15	Vertical
98.197	21.1	-22.4	11.4	-138.6	129	1.00	Vertical
603.046	30.7	-15.3	34.3	-165.7	292	1.00	Vertical
740.913	32.3	-13.7	41.2	-158.8	3	1.00	Horizontal
869.002	33.2	-12.8	45.7	-154.3	13	1.00	Horizontal

802.11n - 5 GHz 40 MHz Bandwidth, 5270 MHz, MCS0, 30 MHz to 1 GHz, Frequency Band 2, Spurious Radiated Emissions Plot





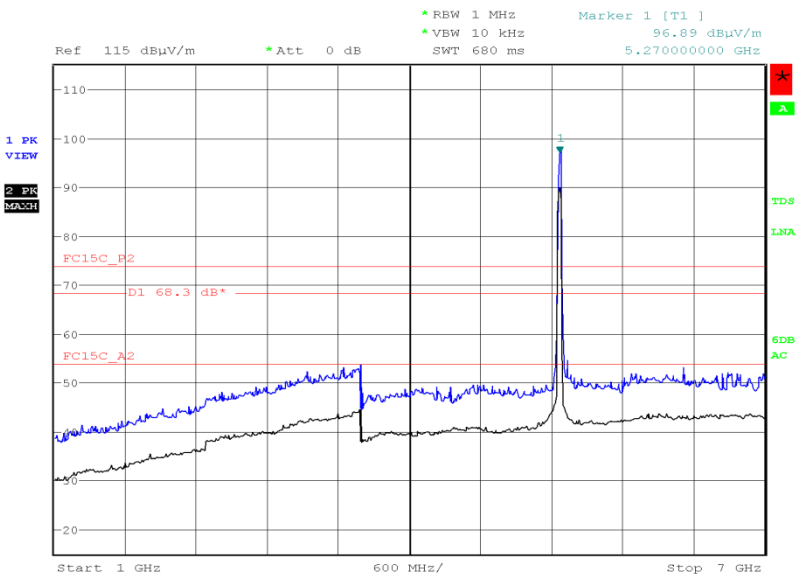
Product Service

802.11n - 5 GHz 40 MHz Bandwidth, 5270 MHz, MCS0, 1 GHz to 40 GHz, Frequency Band 2, Spurious Radiated Emissions Results

Frequency (MHz)	Final Peak (dBµV/m)	Final Average (dBµV/m)	Final Peak (µV/m)	Final Average (µV/m)	Angle (°)	Height (m)	Polarisation
*							

*No emissions were detected within 10 dB of the limit.

802.11n - 5 GHz 40 MHz Bandwidth, 5270 MHz, MCS0, 1 GHz to 7 GHz, Frequency Band 2, Spurious Radiated Emissions Plot

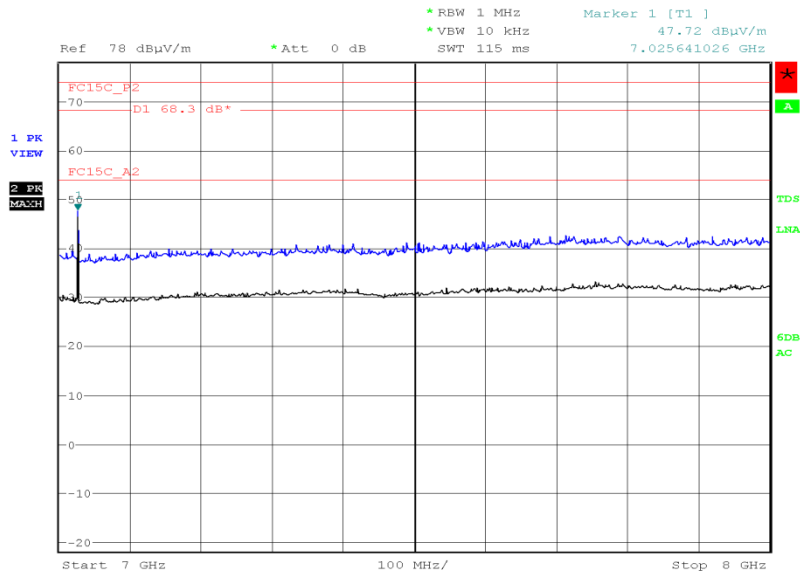


Date: 21.APR.2015 23:52:53



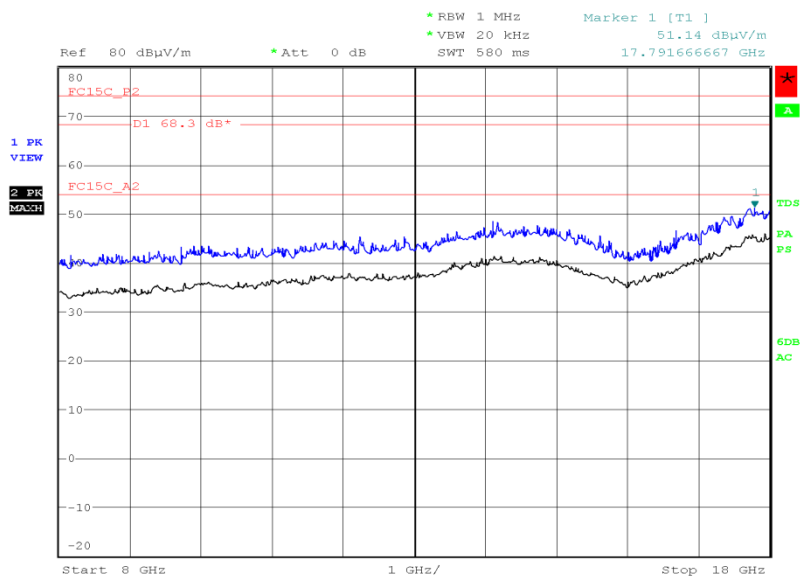
Product Service

802.11n - 5 GHz 40 MHz Bandwidth, 5270 MHz, MCS0, 7 GHz to 8 GHz, Frequency Band 2,
Spurious Radiated Emissions Plot



Date: 26.APR.2015 12:25:46

802.11n - 5 GHz 40 MHz Bandwidth, 5270 MHz, MCS0, 8 GHz to 18 GHz, Frequency Band 2,
Spurious Radiated Emissions Plot

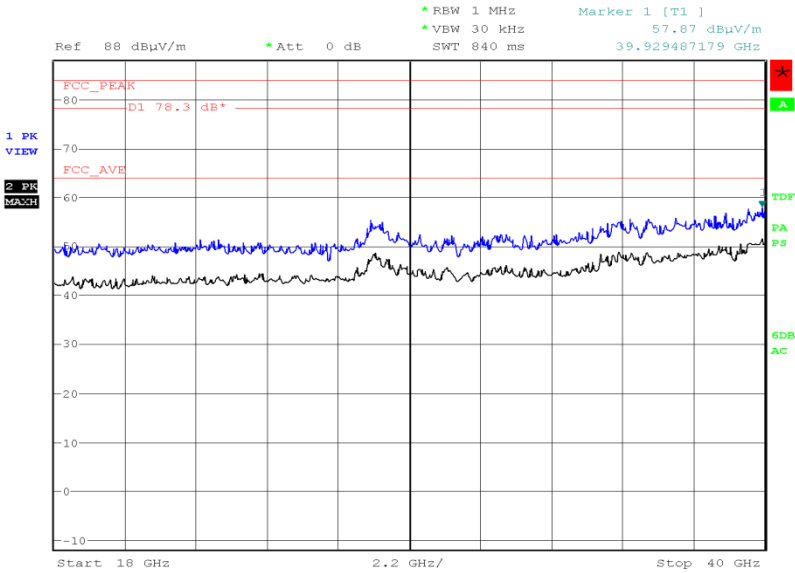


Date: 28.APR.2015 17:38:34



Product Service

802.11n - 5 GHz 40 MHz Bandwidth, 5270 MHz, MCS0, 18 GHz to 40 GHz, Frequency Band 2, Spurious Radiated Emissions Plot



Date: 3.MAY.2015 10:47:14