



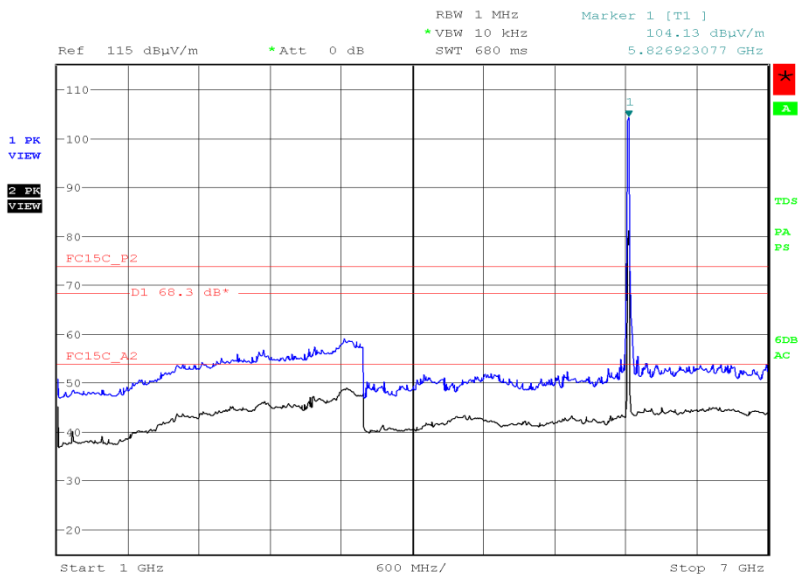
Product Service

802.11n 20 MHz Bandwidth, 5825 MHz, MCS0, 1 GHz to 40 GHz, Frequency Band 4, 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 6 dB of the limit.

802.11n 20 MHz Bandwidth, 5825 MHz, MCS0, 1 GHz to 7 GHz, Frequency Band 4, Spurious Radiated Emissions Plot

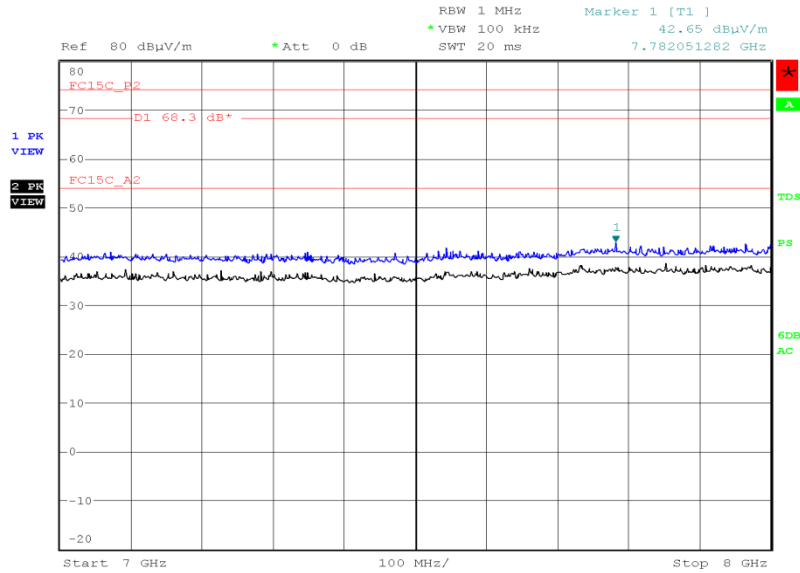


Date: 12.MAY.2016 19:46:54



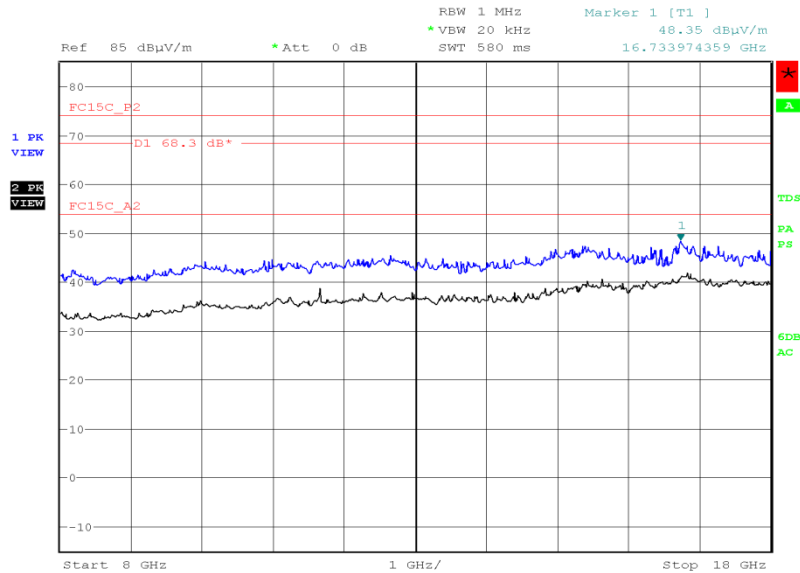
Product Service

802.11n 20 MHz Bandwidth, 5825 MHz, MCS0, 7 GHz to 8 GHz, Frequency Band 4, Spurious Radiated Emissions Plot



Date: 13.MAY.2016 16:08:37

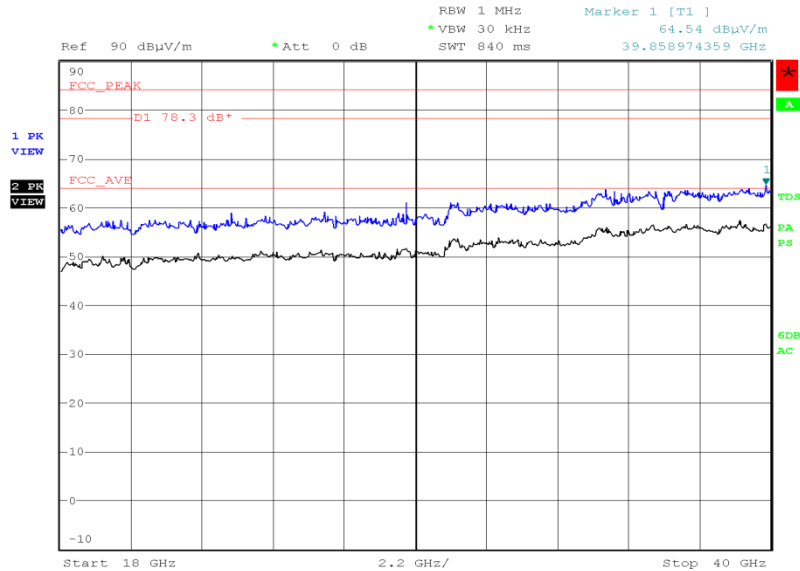
802.11n 20 MHz Bandwidth, 5825 MHz, MCS0, 8 GHz to 18 GHz, Frequency Band 4, Spurious Radiated Emissions Plot



Date: 17.MAY.2016 21:42:15



**802.11n 20 MHz Bandwidth, 5825 MHz, MCS0, 18 GHz to 40 GHz, Frequency Band 4,
Spurious Radiated Emissions Plot**



Date: 24.MAY.2016 14:35:01

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
5.715 GHz to 5.725 GHz and 5.850 GHz to 5.860 GHz band	-17 dBm/MHz
Outside the 5.715 GHz to 5.860 GHz band	-27 dBm/MHz

FCC 47 CFR Part 15, Limit Clause 15.205

	Peak (dBμV/m)	Average (dBμV/m)
Restricted Bands of Operation	As per 15.209	As per 15.209

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

Industry Canada RSS-247, Limit Clause 6.2

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
5.715 GHz to 5.725 GHz and 5.850 GHz to 5.860 GHz band	-17 dBm/MHz
Outside the 5.715 GHz to 5.860 GHz band	-27 dBm/MHz

Industry Canada RSS-GEN, Limit Clause 8.9

Frequency (MHz)	Field Strength			Measurement Distance (m)
	(μ V/m)	Average (dB μ V/m)	Peak (dB μ V/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

Industry Canada RSS-GEN, Limit Clause 8.10

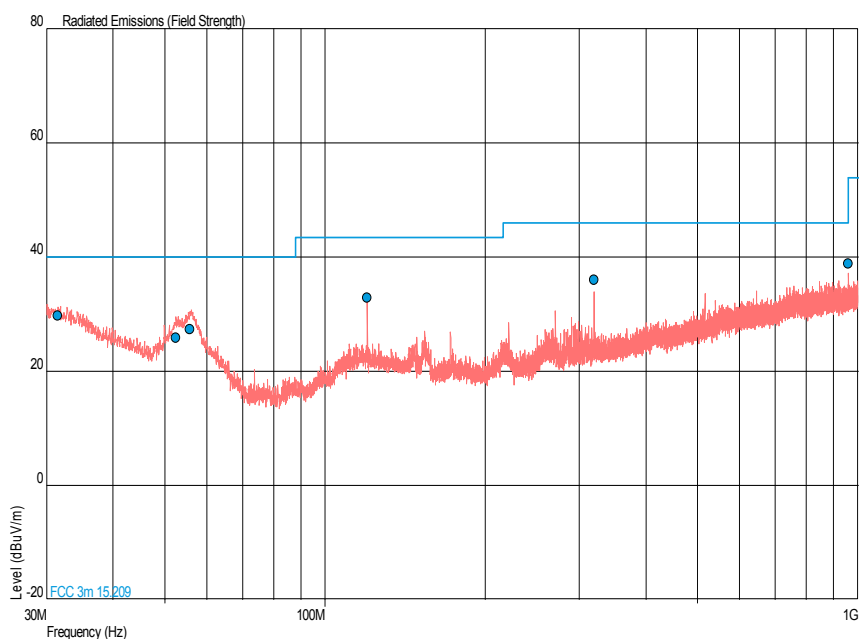
	Peak (dB μ V/m)	Average (dB μ V/m)
Restricted Bands of Operation	As per RSS-GEN Clause 8.9	As per RSS-GEN Clause 8.9



5.00 V DC Supply

802.11n 20 MHz Bandwidth (2nd Diversity Antenna), 5180 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
31.510	29.7	-10.3	30.5	-69.5	233	1.00	Vertical
52.562	25.9	-14.1	19.7	-80.3	46	1.00	Vertical
55.754	27.3	-12.7	23.2	-76.8	53	1.00	Vertical
119.996	32.9	-10.6	44.2	-105.8	8	1.00	Vertical
319.479	36.1	-9.9	63.8	-136.2	46	1.00	Vertical
959.972	39.0	-7.0	89.1	-110.9	187	3.00	Vertical

802.11n 20 MHz Bandwidth (2nd Diversity Antenna), 5180 MHz, MCS0, 30 MHz to 1 GHz, Frequency Band 1, Spurious Radiated Emissions Plot




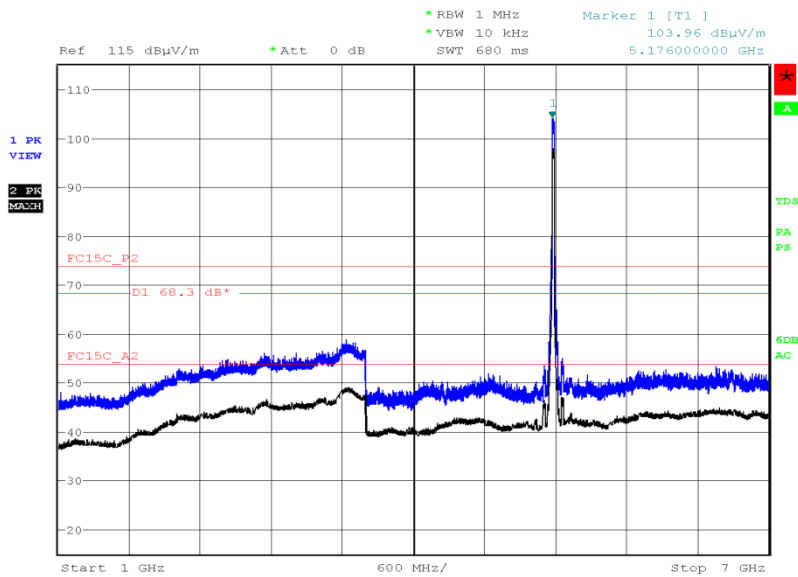
Product Service

802.11n 20 MHz Bandwidth (2nd Diversity Antenna), 5180 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.

802.11n 20 MHz Bandwidth (2nd Diversity Antenna), 5180 MHz, MCS0, 1 GHz to 7 GHz,
Frequency Band 1, Spurious Radiated Emissions Plot

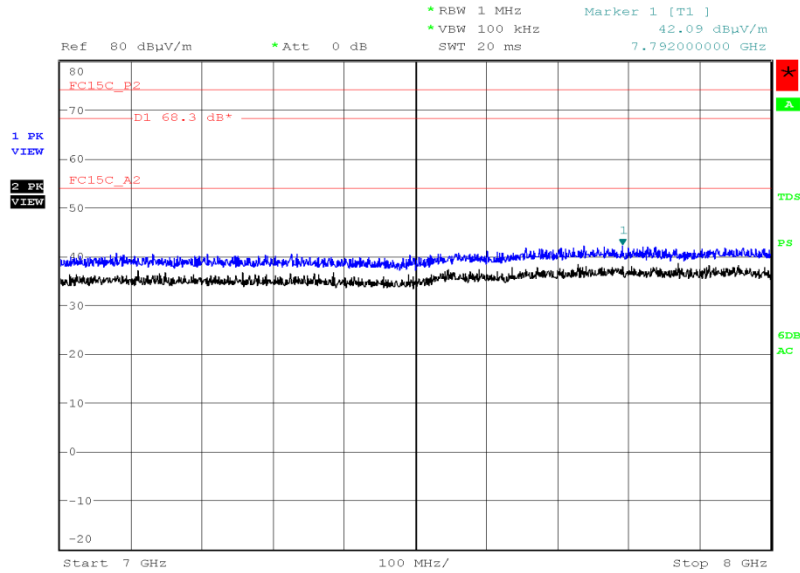


Date: 16.JUN.2016 15:31:19



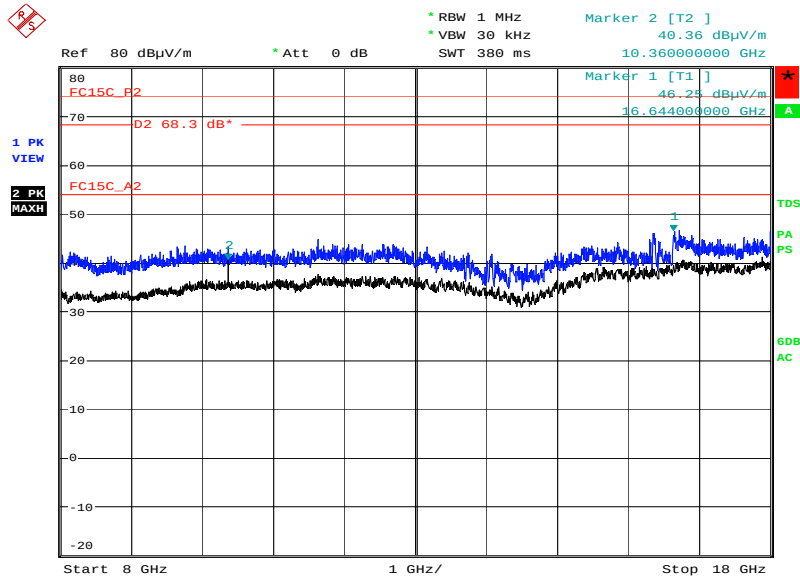
Product Service

802.11n 20 MHz Bandwidth (2nd Diversity Antenna), 5180 MHz, MCS0, 7 GHz to 8 GHz,
Frequency Band 1, Spurious Radiated Emissions Plot



Date: 17.JUN.2016 15:59:51

802.11n 20 MHz Bandwidth (2nd Diversity Antenna), 5180 MHz, MCS0, 8 GHz to 18 GHz,
Frequency Band 1, Spurious Radiated Emissions Plot

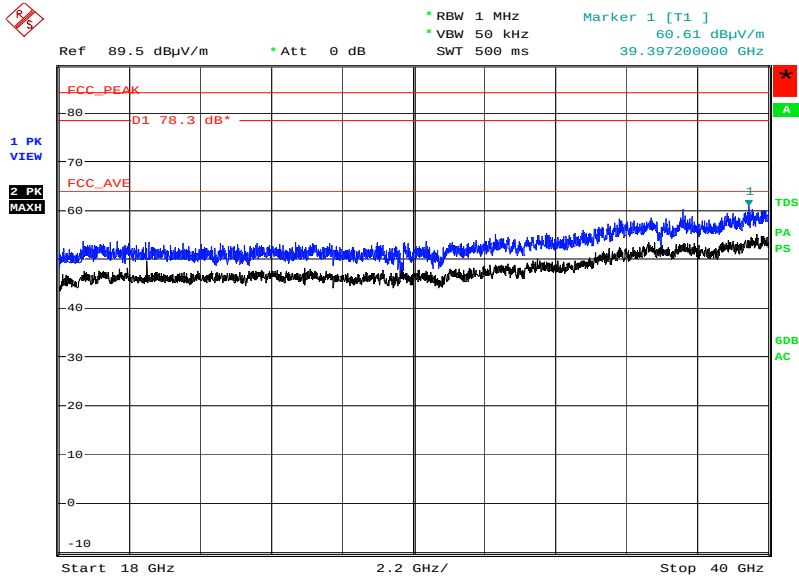


Date: 28.JUN.2016 21:16:03



Product Service

802.11n 20 MHz Bandwidth (2nd Diversity Antenna), 5180 MHz, MCS0, 18 GHz to 40 GHz,
Frequency Band 1, Spurious Radiated Emissions Plot



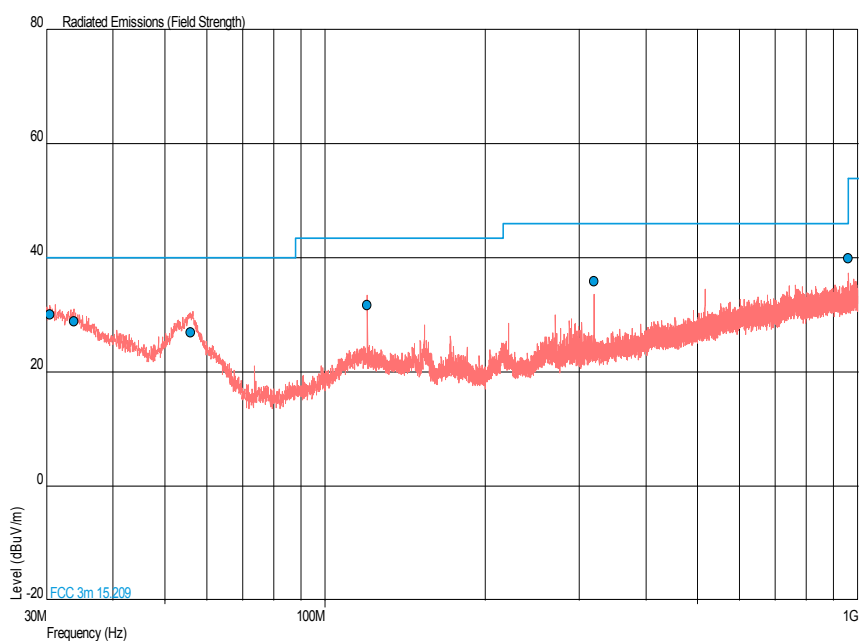
Date: 26.JUN.2016 12:30:06



802.11n 20 MHz Bandwidth (2nd Diversity Antenna), 5200 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
30.433	30.0	-10.0	31.6	-68.4	8	1.00	Horizontal
33.788	28.8	-11.2	27.5	-72.5	189	1.00	Horizontal
55.896	26.9	-13.1	22.1	-77.9	140	1.00	Vertical
120.012	31.8	-11.7	38.9	-111.1	212	1.16	Vertical
319.484	36.0	-10.0	63.1	-136.9	45	1.00	Vertical
960.005	39.9	-14.1	98.9	-402.1	360	2.29	Vertical

802.11n 20 MHz Bandwidth (2nd Diversity Antenna), 5200 MHz, MCS0, 30 MHz to 1 GHz,
Frequency Band 1, Spurious Radiated Emissions Plot





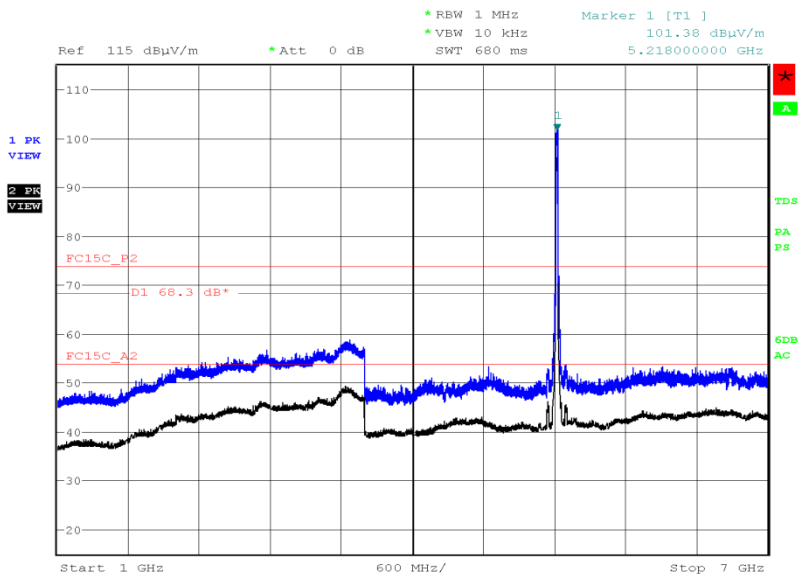
Product Service

802.11n 20 MHz Bandwidth (2nd Diversity Antenna), 5200 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.

802.11n 20 MHz Bandwidth (2nd Diversity Antenna), 5200 MHz, MCS0, 1 GHz to 7 GHz,
Frequency Band 1, Spurious Radiated Emissions Plot

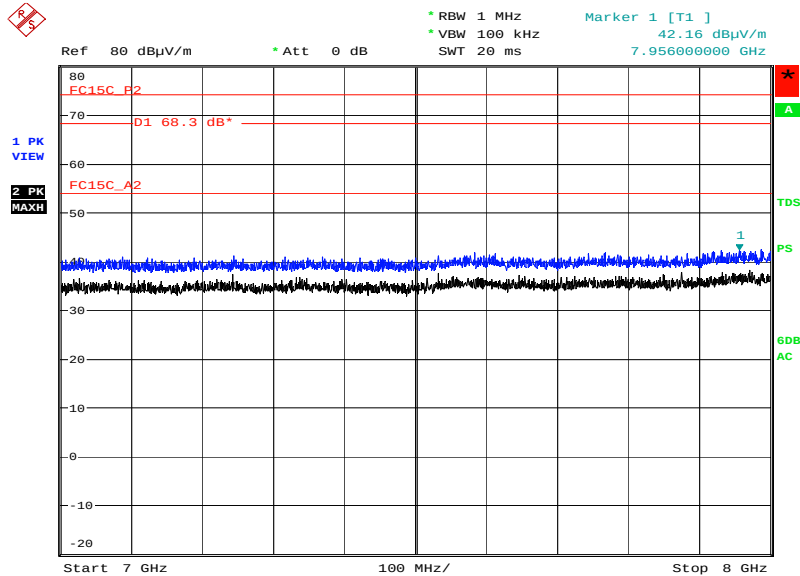


Date: 16.JUN.2016 15:53:37



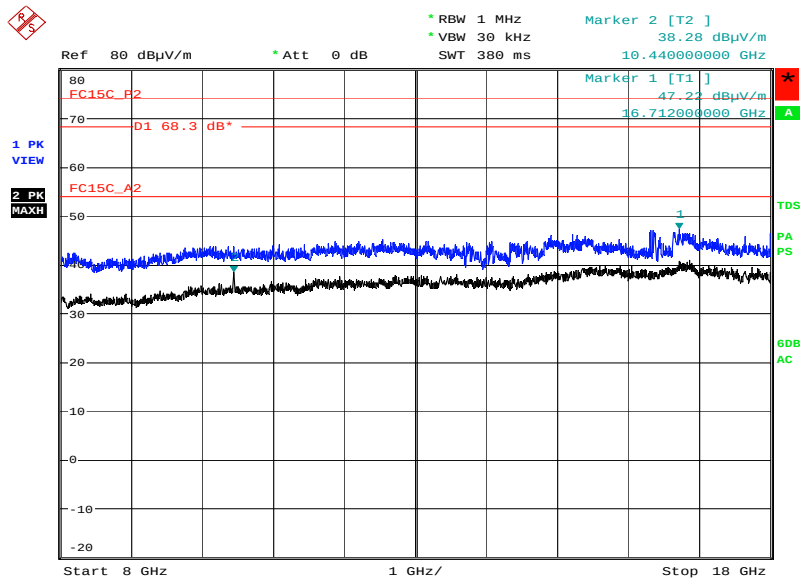
Product Service

802.11n 20 MHz Bandwidth (2nd Diversity Antenna), 5200 MHz, MCS0, 7 GHz to 8 GHz,
Frequency Band 1, Spurious Radiated Emissions Plot



Date: 3.JUL.2016 09:17:27

802.11n 20 MHz Bandwidth (2nd Diversity Antenna), 5200 MHz, MCS0, 8 GHz to 18 GHz,
Frequency Band 1, Spurious Radiated Emissions Plot

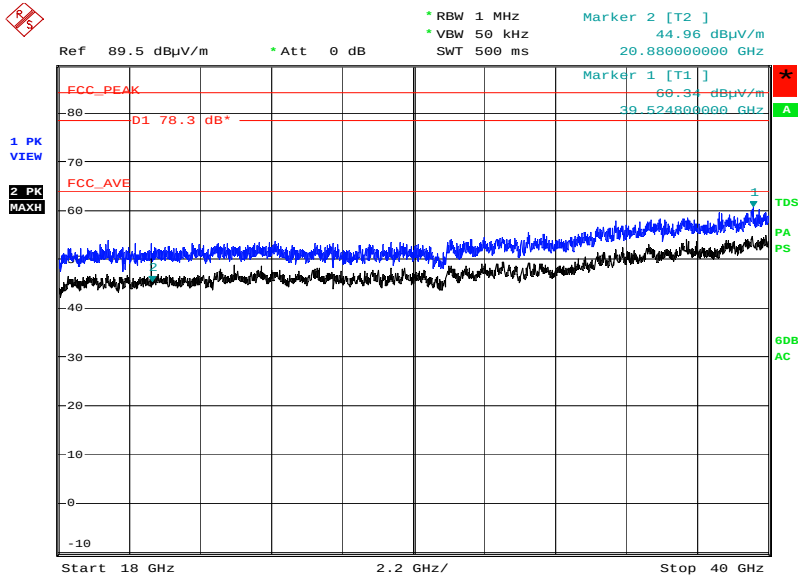


Date: 3.JUL.2016 09:55:04



Product Service

802.11n 20 MHz Bandwidth (2nd Diversity Antenna), 5200 MHz, MCS0, 18 GHz to 40 GHz,
Frequency Band 1, Spurious Radiated Emissions Plot



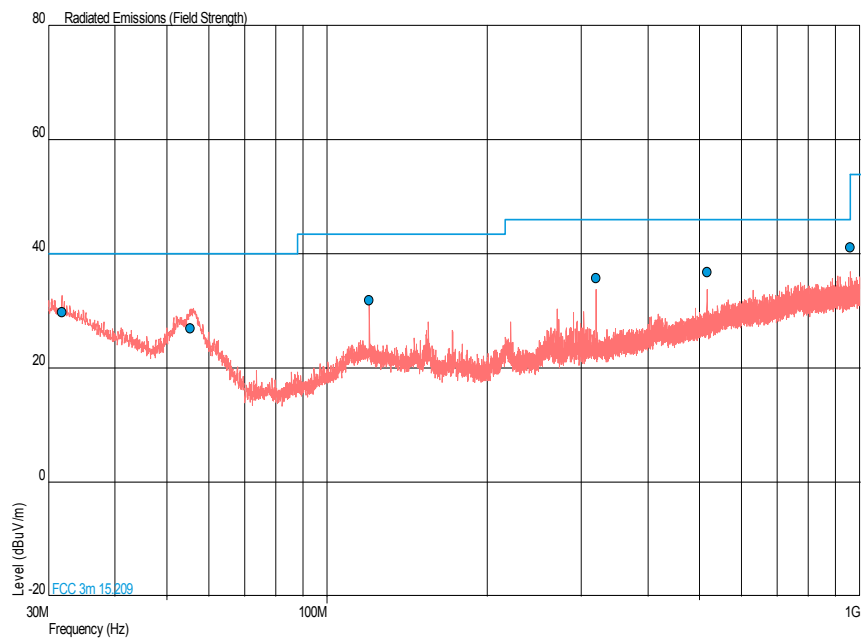
Date: 3.JUL.2016 13:13:38



802.11n 20 MHz Bandwidth (2nd Diversity Antenna), 5240 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
31.795	29.7	-10.3	30.5	-69.5	50	2.60	Vertical
55.338	26.9	-13.1	22.1	-77.9	360	1.00	Vertical
119.987	31.9	-11.6	39.4	-110.6	0	1.00	Vertical
319.474	35.8	-10.2	61.7	-138.3	45	1.00	Vertical
516.108	36.8	-9.2	69.2	-130.8	360	2.34	Horizontal
960.013	41.1	-12.9	113.5	-387.5	218	1.58	Horizontal

802.11n 20 MHz Bandwidth (2nd Diversity Antenna), 5240 MHz, MCS0, 30 MHz to 1 GHz,
Frequency Band 1, Spurious Radiated Emissions Plot





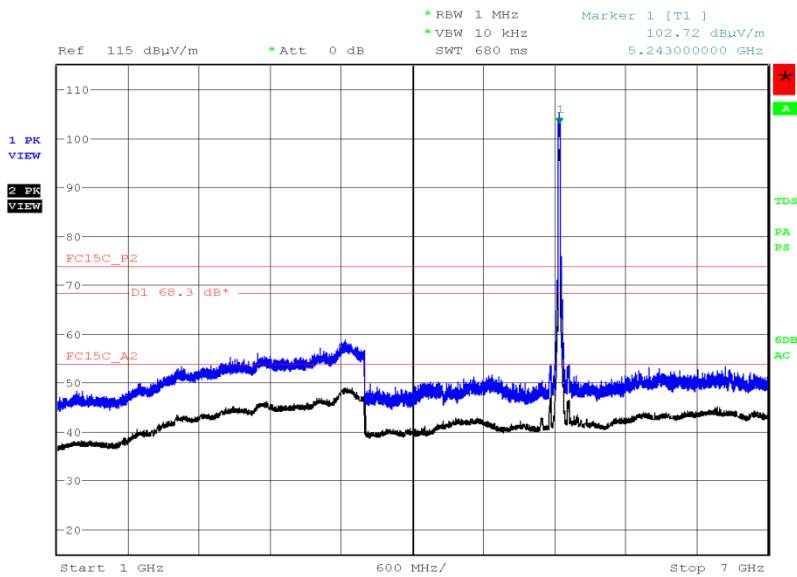
Product Service

802.11n 20 MHz Bandwidth (2nd Diversity Antenna), 5240 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.

802.11n 20 MHz Bandwidth (2nd Diversity Antenna), 5240 MHz, MCS0, 1 GHz to 7 GHz,
Frequency Band 1, Spurious Radiated Emissions Plot

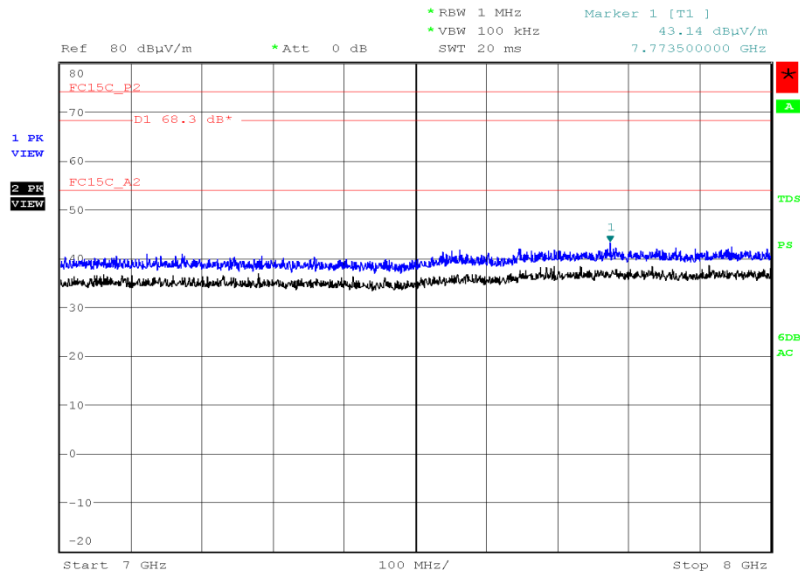


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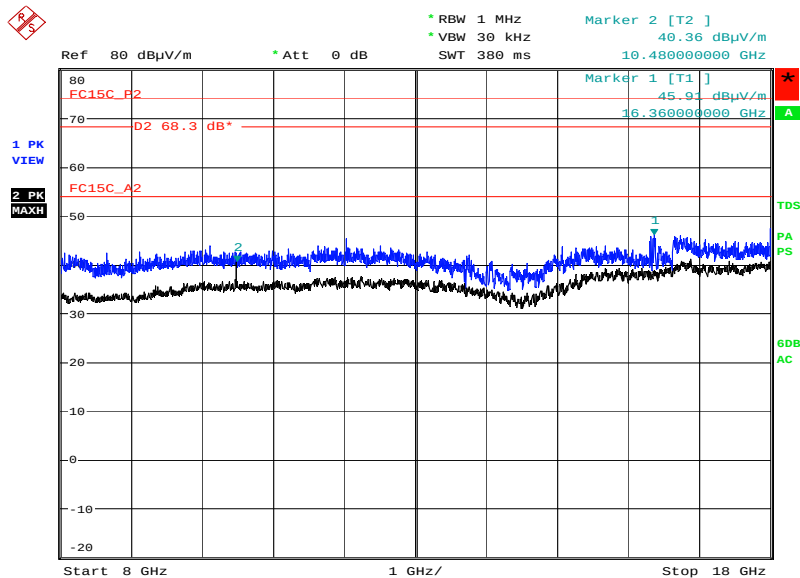
Product Service

802.11n 20 MHz Bandwidth (2nd Diversity Antenna), 5240 MHz, MCS0, 7 GHz to 8 GHz,
Frequency Band 1, Spurious Radiated Emissions Plot



Date: 17.JUN.2016 16:04:05

802.11n 20 MHz Bandwidth (2nd Diversity Antenna), 5240 MHz, MCS0, 8 GHz to 18 GHz,
Frequency Band 1, Spurious Radiated Emissions Plot

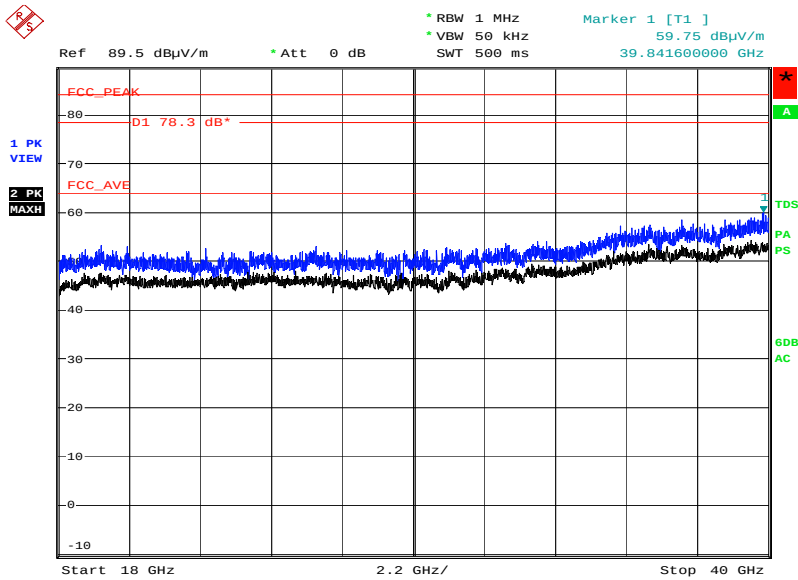


Date: 28.JUN.2016 21:28:45



Product Service

802.11n 20 MHz Bandwidth (2nd Diversity Antenna), 5240 MHz, MCS0, 18 GHz to 40 GHz,
Frequency Band 1, Spurious Radiated Emissions Plot



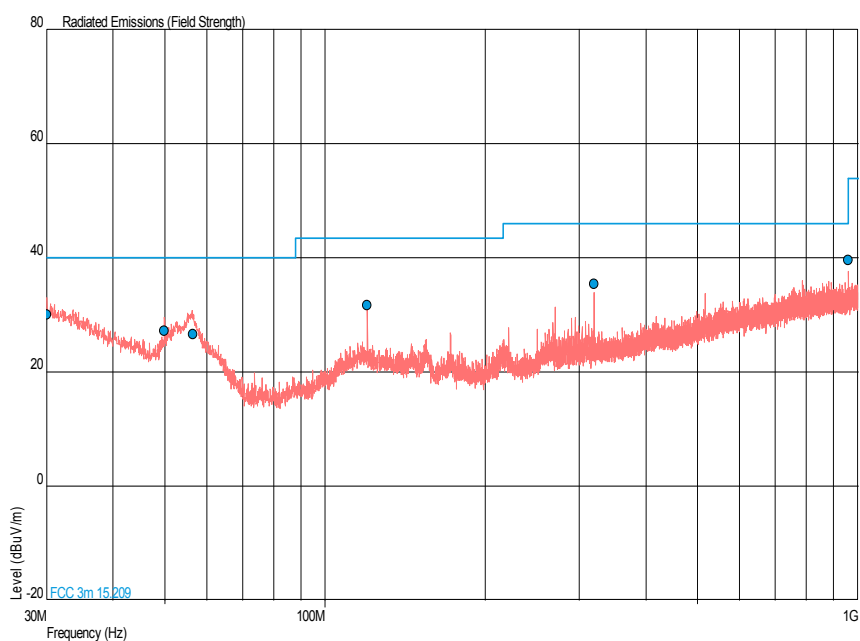
Date: 26.JUN.2016 13:03:03



802.11n 20 MHz Bandwidth (2nd Diversity Antenna), 5260 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
30.100	30.1	-9.9	32.0	-68.0	311	2.99	Horizontal
49.983	27.3	-12.7	23.2	-76.8	8	1.00	Vertical
56.475	26.6	-13.4	21.4	-78.6	248	1.00	Vertical
119.987	31.7	-11.8	38.5	-111.5	8	1.00	Vertical
319.502	35.4	-10.6	58.9	-141.1	37	1.08	Vertical
960.005	39.6	-14.4	95.5	-405.5	355	2.30	Vertical

802.11n 20 MHz Bandwidth (2nd Diversity Antenna), 5260 MHz, MCS0, 30 MHz to 1 GHz,
Frequency Band 2, Spurious Radiated Emissions Plot





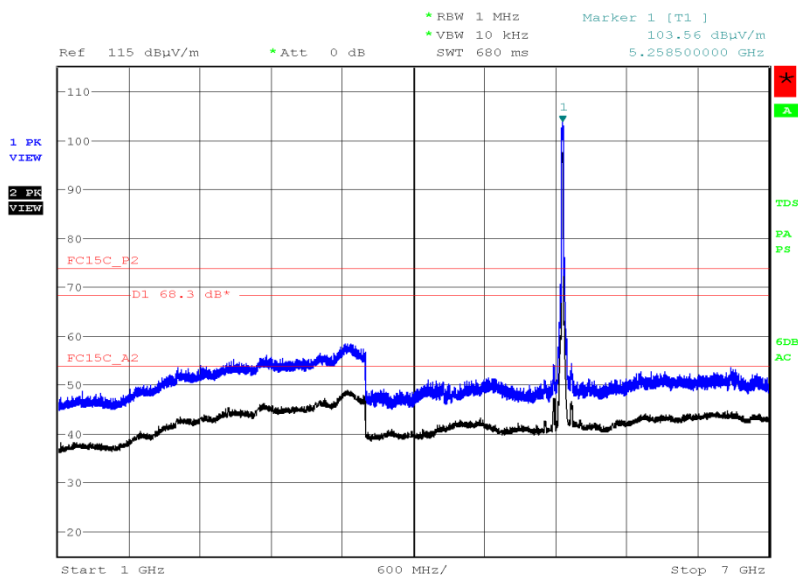
Product Service

802.11n 20 MHz Bandwidth (2nd Diversity Antenna), 5260 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 20 MHz Bandwidth (2nd Diversity Antenna), 5260 MHz, MCS0, 1 GHz to 7 GHz,
Frequency Band 2, Spurious Radiated Emissions Plot

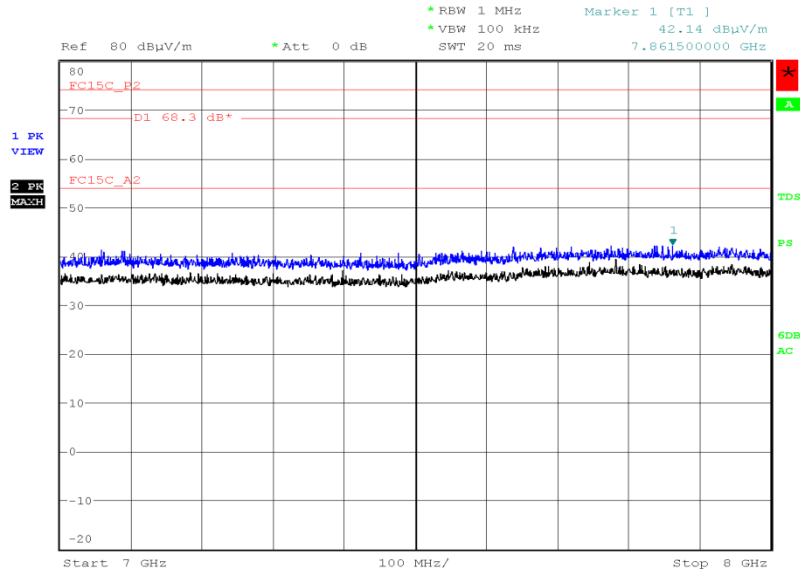


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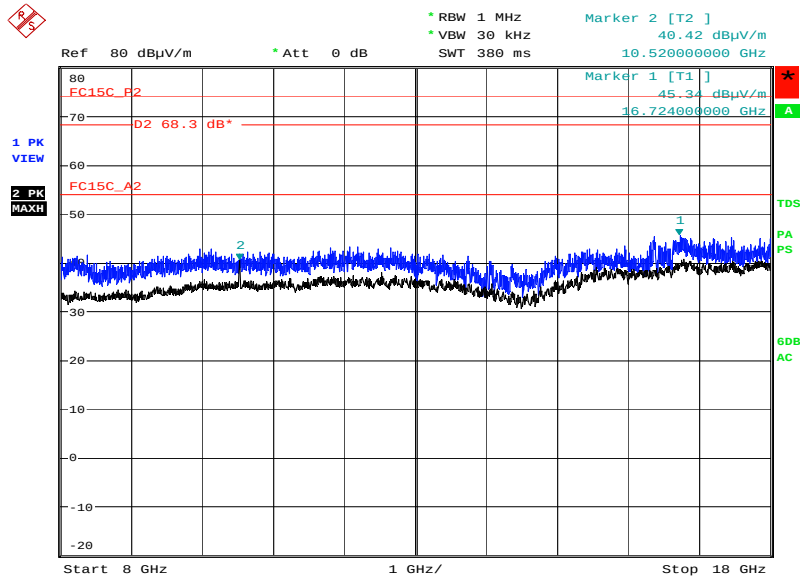
Product Service

802.11n 20 MHz Bandwidth (2nd Diversity Antenna), 5260 MHz, MCS0, 7 GHz to 8 GHz,
Frequency Band 2, Spurious Radiated Emissions Plot



Date: 17.JUN.2016 16:08:25

802.11n 20 MHz Bandwidth (2nd Diversity Antenna), 5260 MHz, MCS0, 8 GHz to 18 GHz,
Frequency Band 2, Spurious Radiated Emissions Plot

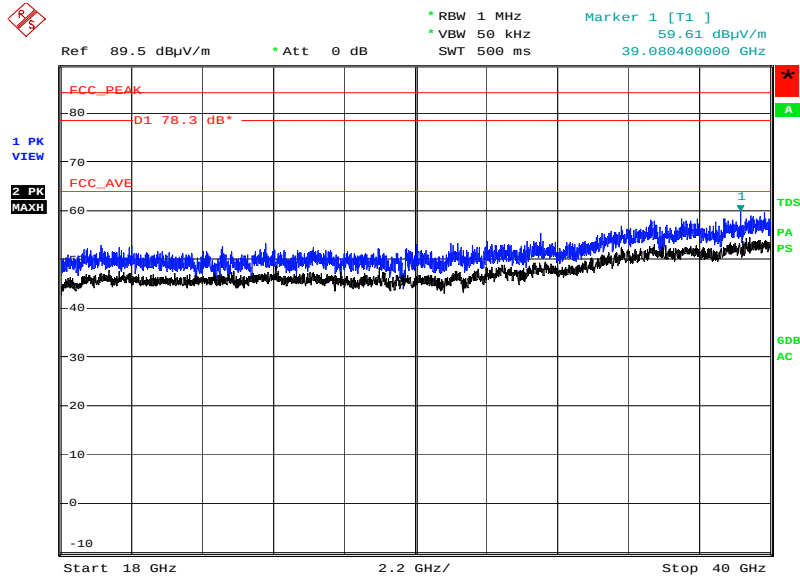


Date: 28.JUN.2016 21:39:21



Product Service

802.11n 20 MHz Bandwidth (2nd Diversity Antenna), 5260 MHz, MCS0, 18 GHz to 40 GHz,
Frequency Band 2, Spurious Radiated Emissions Plot



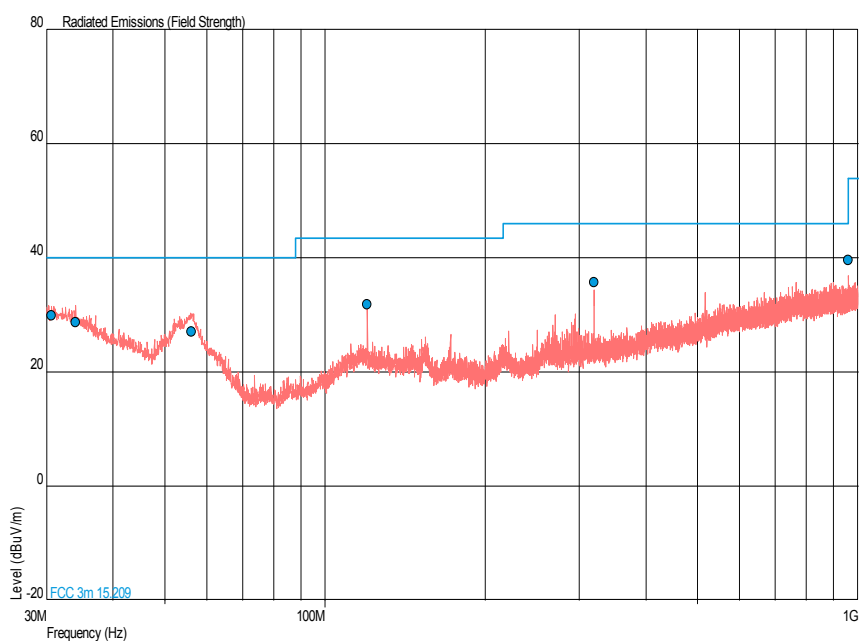
Date: 26.JUN.2016 13:20:46



802.11n 20 MHz Bandwidth (2nd Diversity Antenna), 5300 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
30.686	30.0	-10.0	31.6	-68.4	324	1.00	Horizontal
34.026	28.7	-11.3	27.2	-72.8	0	1.00	Vertical
56.045	27.1	-12.9	22.6	-77.4	77	1.00	Vertical
119.996	31.9	-11.6	39.4	-110.6	14	1.00	Vertical
319.489	35.8	-10.2	61.7	-138.3	49	1.00	Vertical
960.003	39.7	-14.3	96.6	-404.4	360	2.40	Vertical

802.11n 20 MHz Bandwidth (2nd Diversity Antenna), 5300 MHz, MCS0, 30 MHz to 1 GHz,
Frequency Band 2, Spurious Radiated Emissions Plot





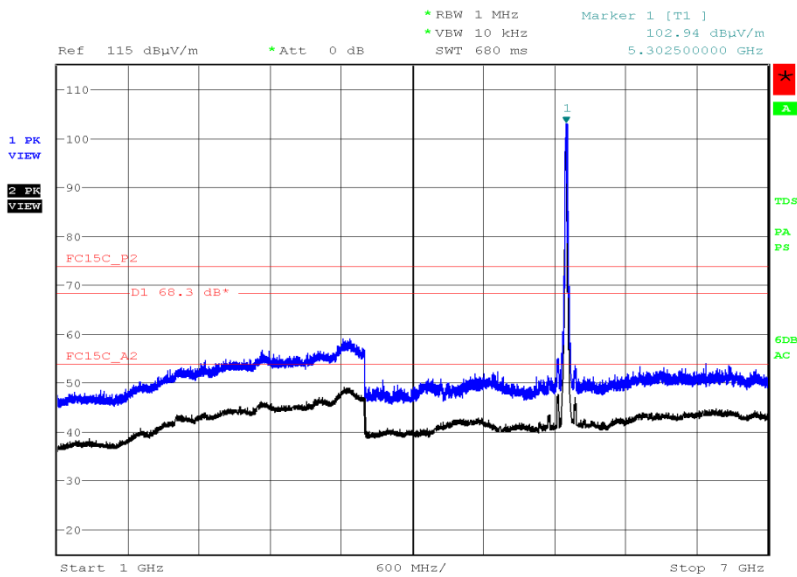
Product Service

802.11n 20 MHz Bandwidth (2nd Diversity Antenna), 5300 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 20 MHz Bandwidth (2nd Diversity Antenna), 5300 MHz, MCS0, 1 GHz to 7 GHz,
Frequency Band 2, Spurious Radiated Emissions Plot

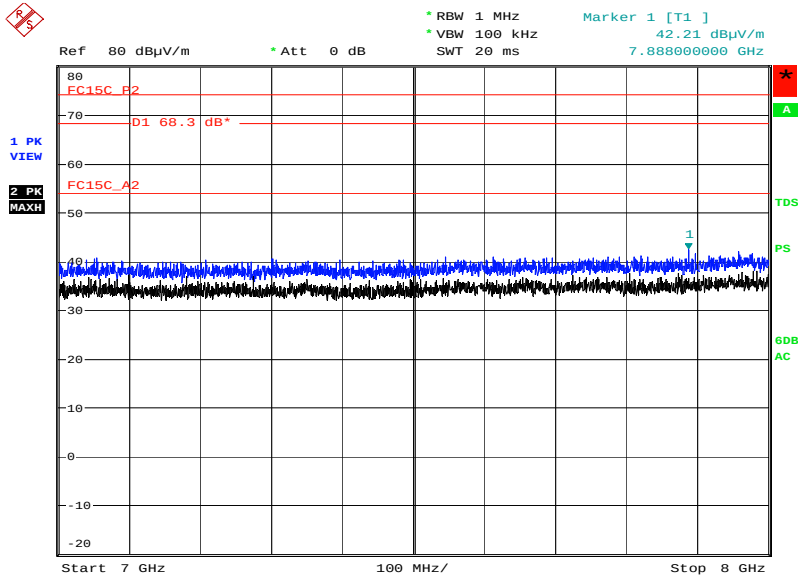


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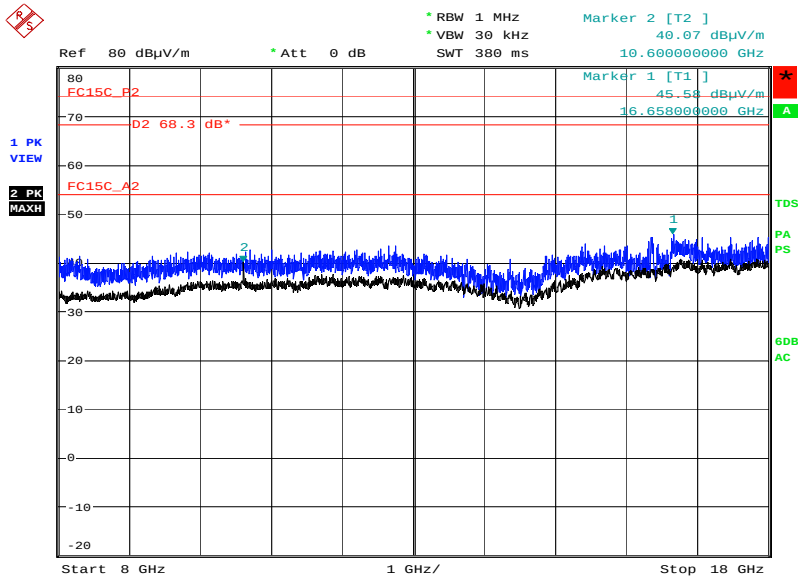
Product Service

802.11n 20 MHz Bandwidth (2nd Diversity Antenna), 5300 MHz, MCS0, 7 GHz to 8 GHz,
Frequency Band 2, Spurious Radiated Emissions Plot



Date: 27.JUN.2016 22:14:01

802.11n 20 MHz Bandwidth (2nd Diversity Antenna), 5300 MHz, MCS0, 8 GHz to 18 GHz,
Frequency Band 2, Spurious Radiated Emissions Plot

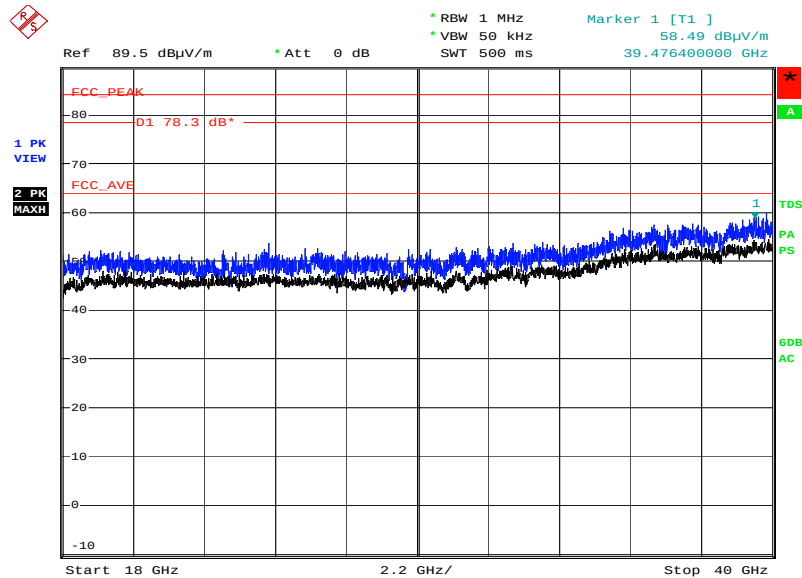


Date: 28.JUN.2016 21:46:53



Product Service

802.11n 20 MHz Bandwidth (2nd Diversity Antenna), 5300 MHz, MCS0, 18 GHz to 40 GHz,
Frequency Band 2, Spurious Radiated Emissions Plot



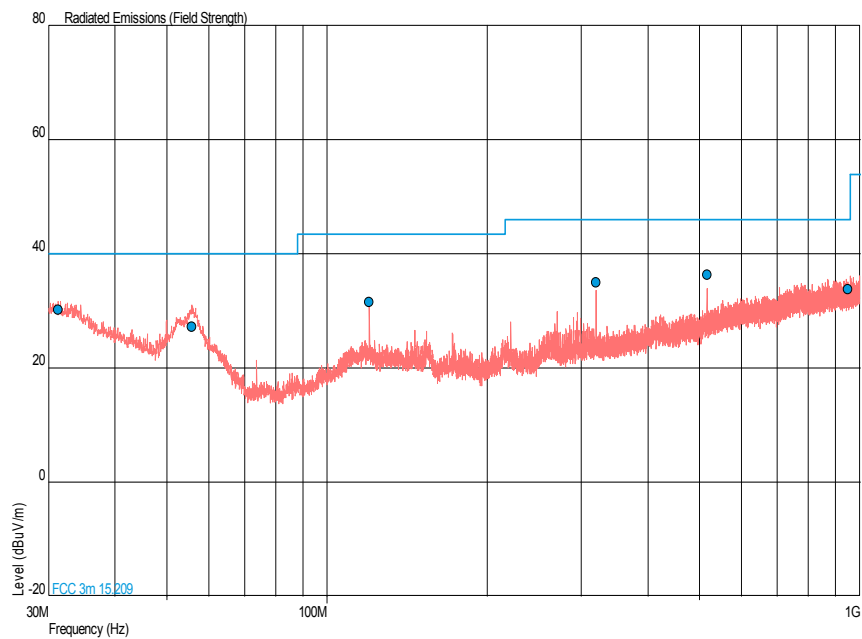
Date: 26.JUN.2016 13:43:27



802.11n 20 MHz Bandwidth (2nd Diversity Antenna), 5320 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
31.331	30.2	-9.8	32.4	-67.6	241	1.26	Horizontal
55.707	27.2	-12.8	22.9	-77.1	103	1.00	Vertical
120.000	31.6	-11.9	38.0	-112.0	211	1.00	Vertical
319.504	35.0	-11.0	56.2	-143.8	61	1.00	Vertical
516.108	36.3	-9.7	65.3	-134.7	8	2.31	Horizontal
950.259	33.8	-12.2	49.0	-151.0	229	1.00	Vertical

802.11n 20 MHz Bandwidth (2nd Diversity Antenna), 5320 MHz, MCS0, 30 MHz to 1 GHz,
Frequency Band 2, Spurious Radiated Emissions Plot





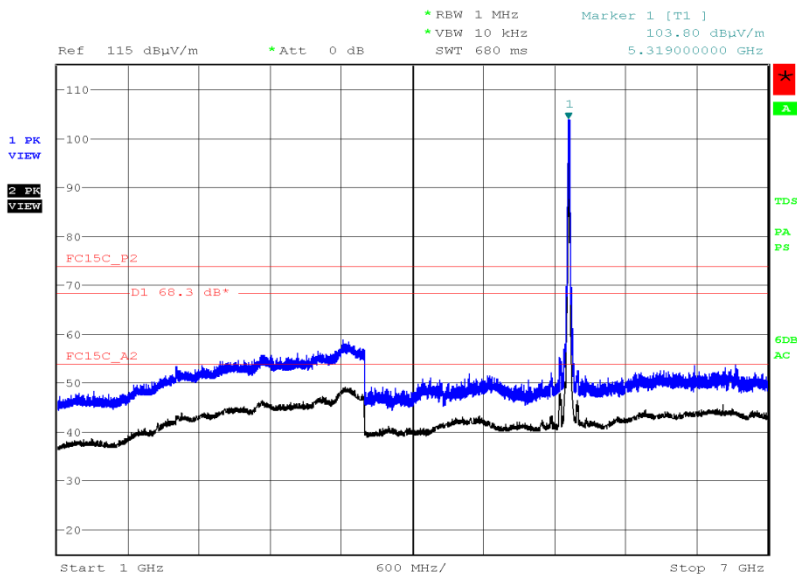
Product Service

802.11n 20 MHz Bandwidth (2nd Diversity Antenna), 5320 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 20 MHz Bandwidth (2nd Diversity Antenna), 5320 MHz, MCS0, 1 GHz to 7 GHz,
Frequency Band 2, Spurious Radiated Emissions Plot

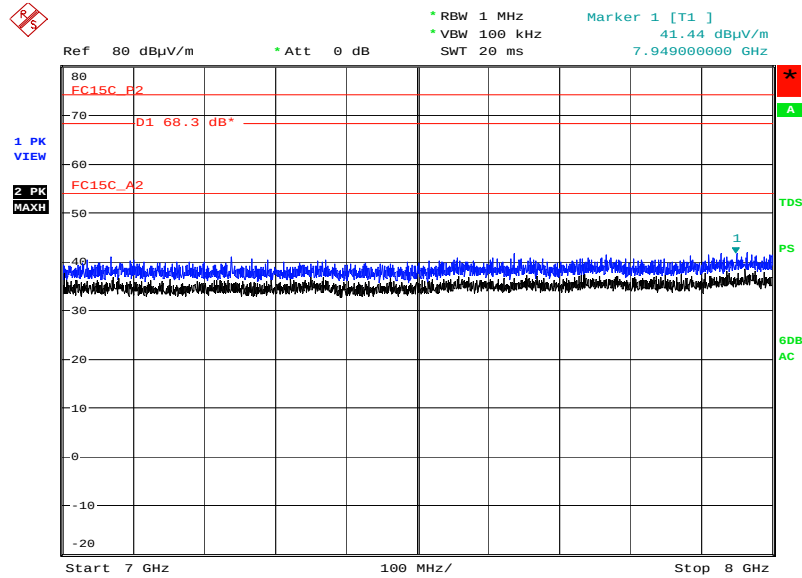


Date: 16.JUN.2016 16:26:50



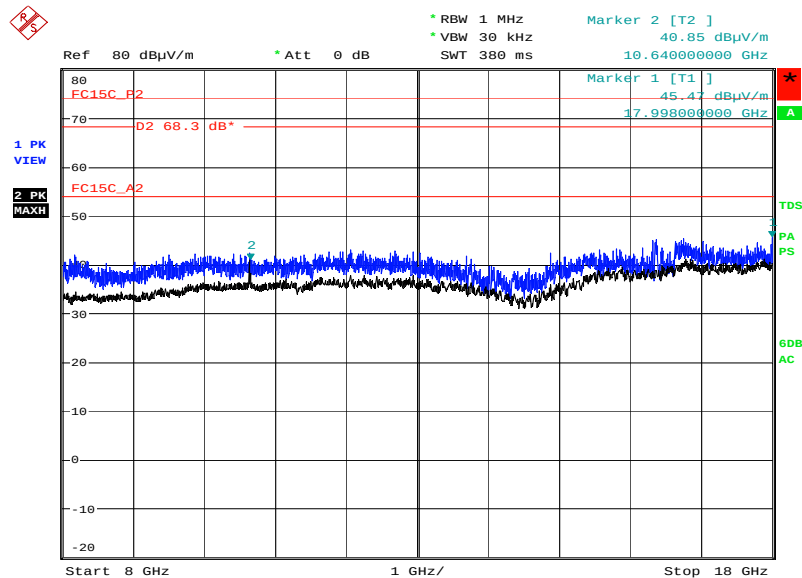
Product Service

802.11n 20 MHz Bandwidth (2nd Diversity Antenna), 5320 MHz, MCS0, 7 GHz to 8 GHz,
Frequency Band 2, Spurious Radiated Emissions Plot



Date: 27.JUN.2016 22:11:00

802.11n 20 MHz Bandwidth (2nd Diversity Antenna), 5320 MHz, MCS0, 8 GHz to 18 GHz,
Frequency Band 2, Spurious Radiated Emissions Plot

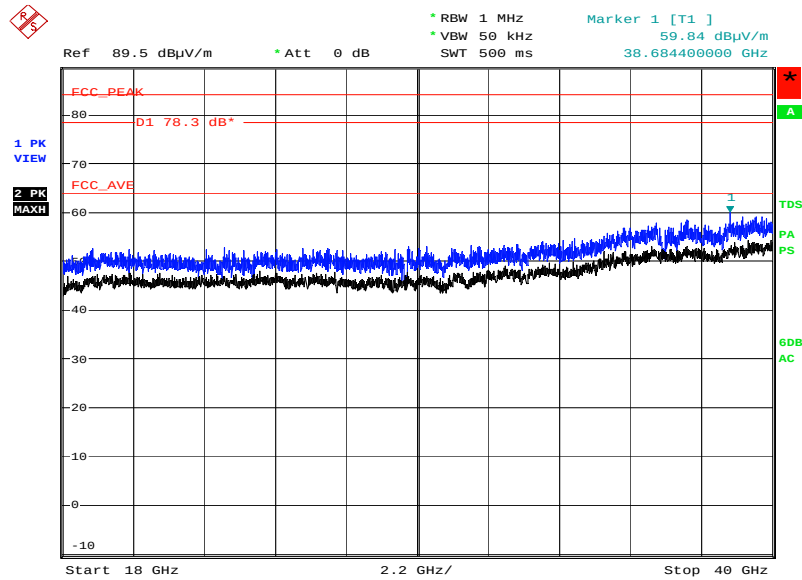


Date: 28.JUN.2016 21:57:00



Product Service

802.11n 20 MHz Bandwidth (2nd Diversity Antenna), 5320 MHz, MCS0, 18 GHz to 40 GHz,
Frequency Band 2, Spurious Radiated Emissions Plot



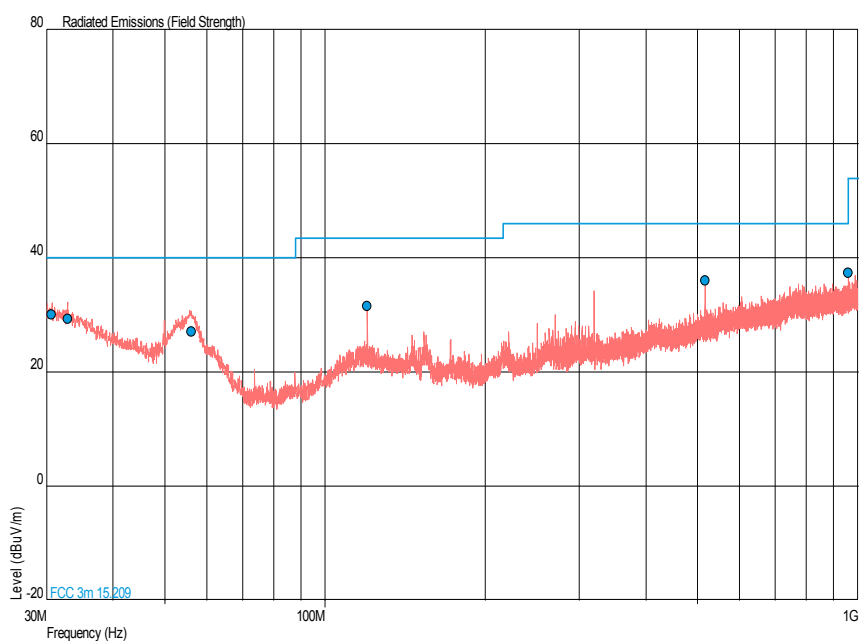
Date: 26.JUN.2016 14:03:13



802.11n 20 MHz Bandwidth (2nd Diversity Antenna), 5500 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
30.694	30.0	-10.0	31.6	-68.4	107	1.49	Vertical
32.863	29.4	-10.6	29.5	-70.5	31	1.00	Horizontal
56.107	27.0	-13.0	22.4	-77.6	80	1.00	Vertical
119.987	31.5	-12.0	37.6	-112.4	190	1.00	Vertical
516.092	36.0	-10.0	63.1	-136.9	346	2.29	Horizontal
960.051	37.3	-16.7	73.3	-427.7	0	2.31	Vertical

802.11n 20 MHz Bandwidth (2nd Diversity Antenna), 5500 MHz, MCS0, 30 MHz to 1 GHz,
Frequency Band 3, Spurious Radiated Emissions Plot





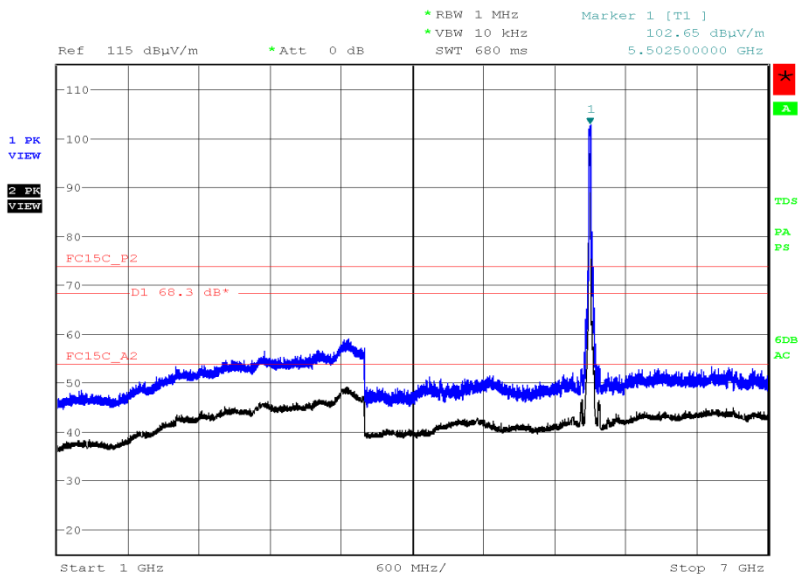
Product Service

802.11n 20 MHz Bandwidth (2nd Diversity Antenna), 5500 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.

802.11n 20 MHz Bandwidth (2nd Diversity Antenna), 5500 MHz, MCS0, 1 GHz to 7 GHz,
Frequency Band 3, Spurious Radiated Emissions Plot

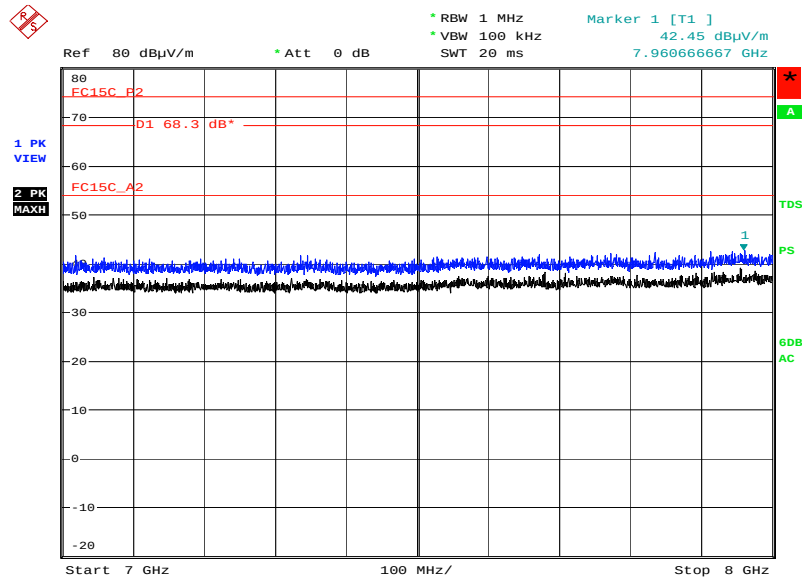


Date: 16.JUN.2016 16:36:10



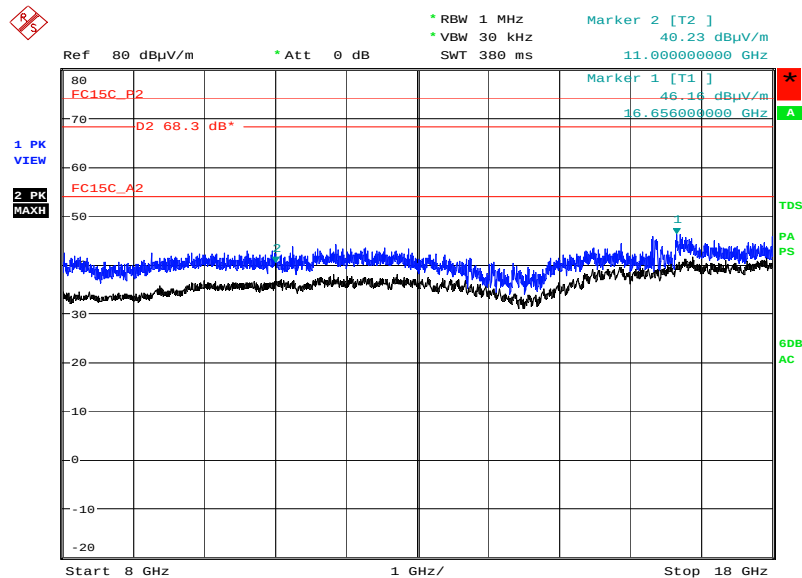
Product Service

802.11n 20 MHz Bandwidth (2nd Diversity Antenna), 5500 MHz, MCS0, 7 GHz to 8 GHz,
Frequency Band 3, Spurious Radiated Emissions Plot



Date: 27.JUN.2016 22:17:46

802.11n 20 MHz Bandwidth (2nd Diversity Antenna), 5500 MHz, MCS0, 8 GHz to 18 GHz,
Frequency Band 3, Spurious Radiated Emissions Plot

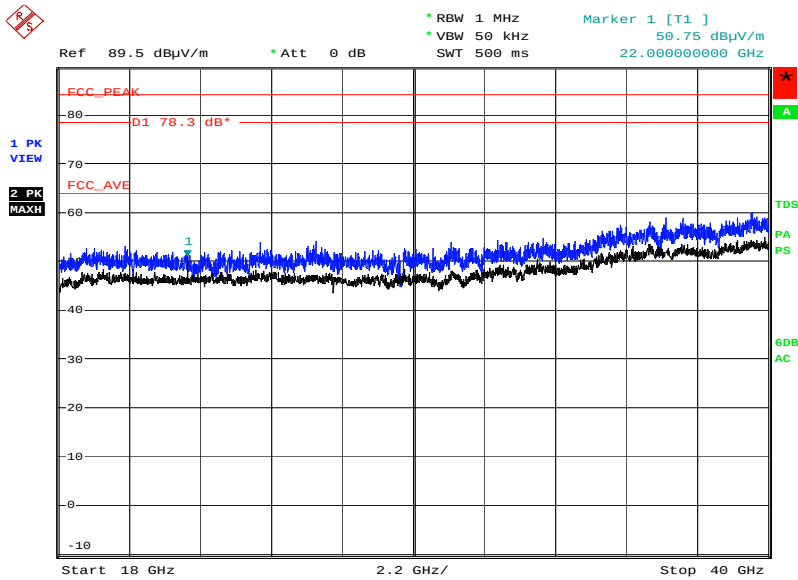


Date: 28.JUN.2016 22:12:06



Product Service

802.11n 20 MHz Bandwidth (2nd Diversity Antenna), 5500 MHz, MCS0, 18 GHz to 40 GHz,
Frequency Band 3, Spurious Radiated Emissions Plot



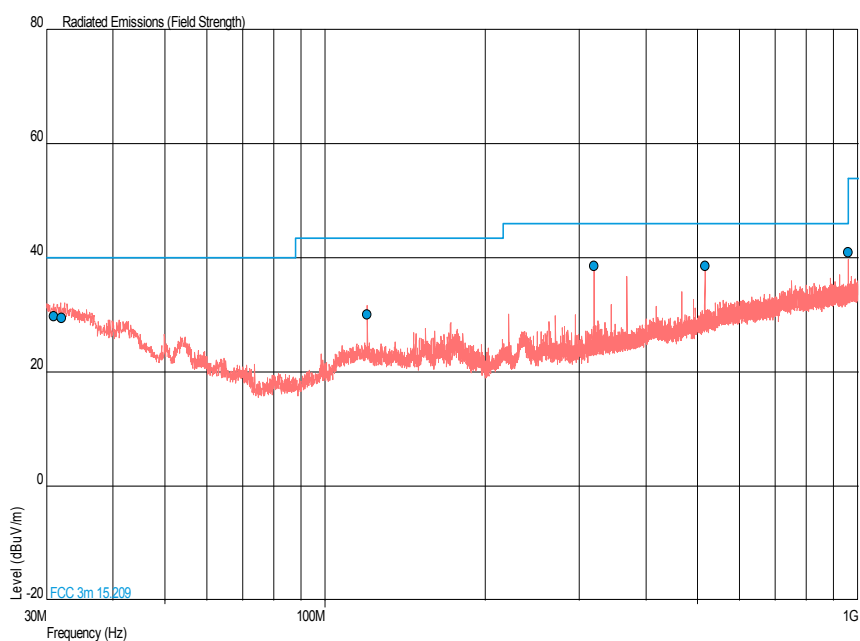
Date: 26.JUN.2016 14:27:55



802.11n 20 MHz Bandwidth (2nd Diversity Antenna), 5600 MHz, MCS0, 30 MHz to 1 GHz,
Frequency Band 3, 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
30.954	29.8	-10.2	30.9	-69.1	358	1.00	Vertical
32.021	29.5	-10.5	29.9	-70.1	220	1.00	Horizontal
120.013	30.1	-13.4	32.0	-118.0	317	1.00	Vertical
319.494	38.6	-7.4	85.1	-114.9	6	1.00	Horizontal
516.067	38.5	-7.5	84.1	-115.9	165	1.00	Vertical
960.000	41.0	-5.0	112.2	-87.8	70	1.48	Horizontal

802.11n 20 MHz Bandwidth (2nd Diversity Antenna), 5600 MHz, MCS0, 30 MHz to 1 GHz,
Frequency Band 3, Spurious Radiated Emissions Plot





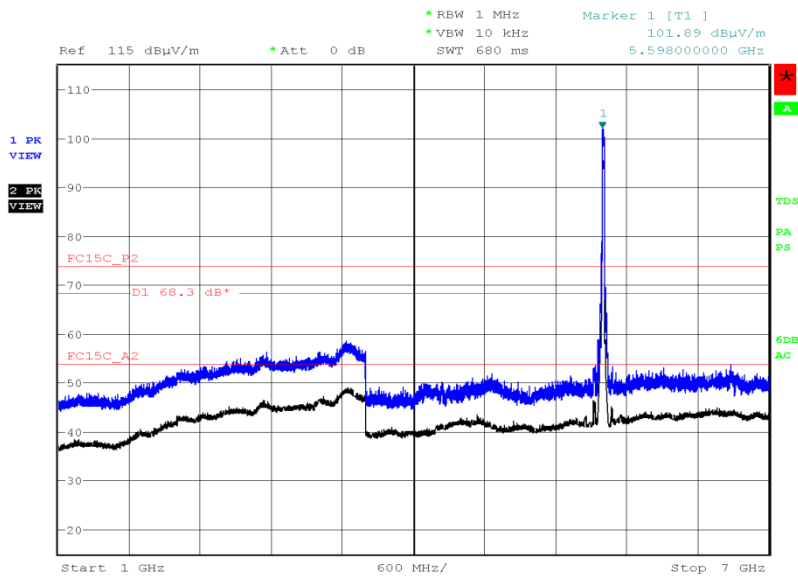
Product Service

802.11n 20 MHz Bandwidth (2nd Diversity Antenna), 5600 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.

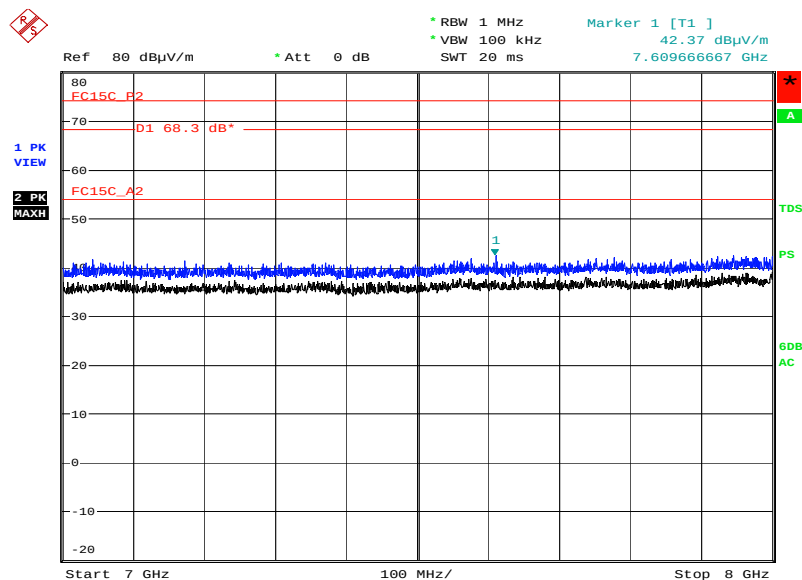
802.11n 20 MHz Bandwidth (2nd Diversity Antenna), 5600 MHz, MCS0, 1 GHz to 7 GHz,
Frequency Band 3, Spurious Radiated Emissions Plot



Date: 16.JUN.2016 16:40:57

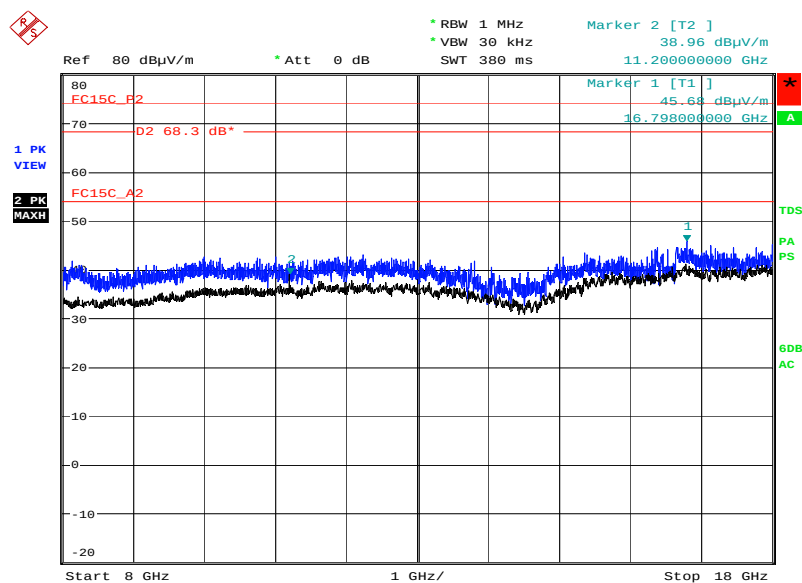
Product Service

802.11n 20 MHz Bandwidth (2nd Diversity Antenna), 5600 MHz, MCS0, 7 GHz to 8 GHz, Frequency Band 3, Spurious Radiated Emissions Plot



Date: 27.JUN.2016 22:24:09

802.11n 20 MHz Bandwidth (2nd Diversity Antenna), 5600 MHz, MCS0, 8 GHz to 18 GHz, Frequency Band 3, Spurious Radiated Emissions Plot

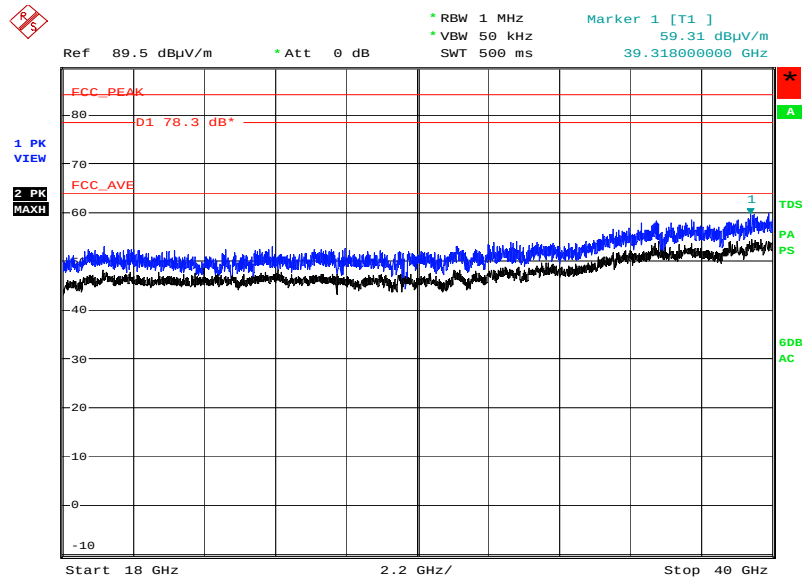


Date: 28.JUN.2016 22:24:20



Product Service

802.11n 20 MHz Bandwidth (2nd Diversity Antenna), 5600 MHz, MCS0, 18 GHz to 40 GHz,
Frequency Band 3, Spurious Radiated Emissions Plot



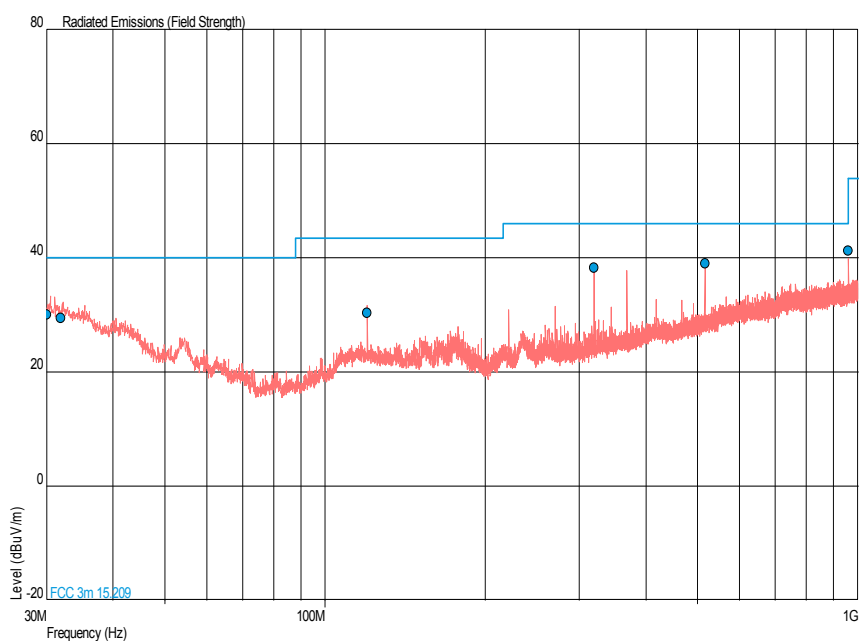
Date: 26.JUN.2016 14:44:24



802.11n 20 MHz Bandwidth (2nd Diversity Antenna), 5700 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
30.101	30.1	-9.9	32.0	-68.0	277	1.00	Vertical
31.914	29.5	-10.5	29.9	-70.1	0	1.00	Horizontal
119.992	30.3	-13.2	32.7	-117.3	301	1.00	Horizontal
319.473	38.3	-7.7	82.2	-117.8	0	1.00	Horizontal
516.118	39.1	-6.9	90.2	-109.8	171	1.00	Vertical
960.000	41.3	-4.7	116.1	-83.9	191	1.48	Horizontal

802.11n 20 MHz Bandwidth (2nd Diversity Antenna), 5700 MHz, MCS0, 30 MHz to 1 GHz,
Frequency Band 3, Spurious Radiated Emissions Plot





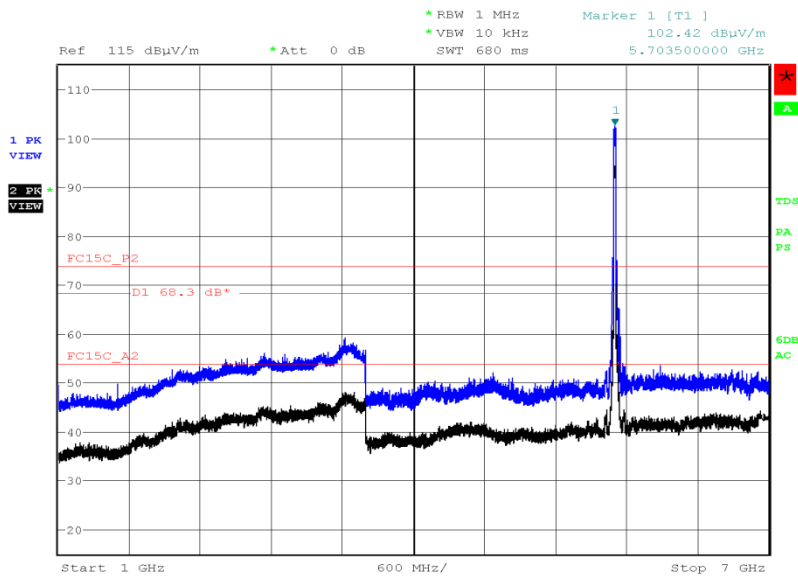
Product Service

802.11n 20 MHz Bandwidth (2nd Diversity Antenna), 5700 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.

802.11n 20 MHz Bandwidth (2nd Diversity Antenna), 5700 MHz, MCS0, 1 GHz to 7 GHz,
Frequency Band 3, Spurious Radiated Emissions Plot

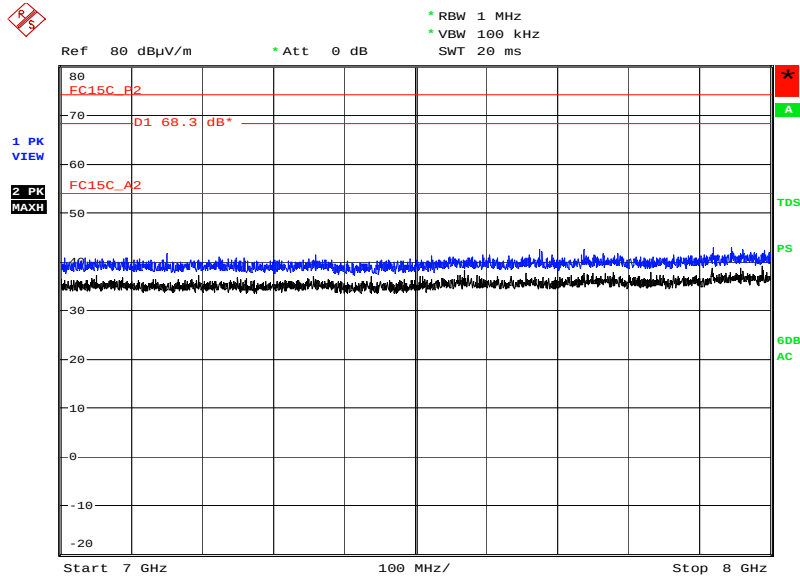


Date: 16.JUN.2016 16:47:43



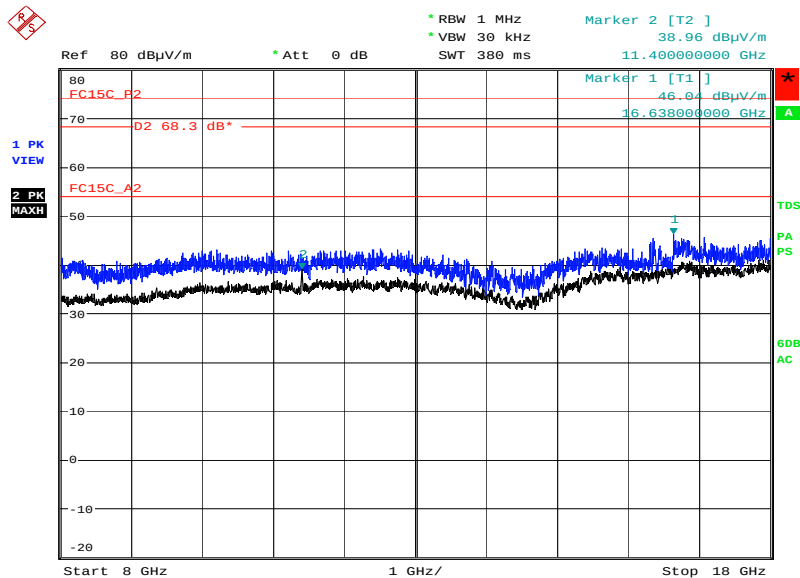
Product Service

802.11n 20 MHz Bandwidth (2nd Diversity Antenna), 5700 MHz, MCS0, 7 GHz to 8 GHz,
Frequency Band 3, Spurious Radiated Emissions Plot



Date: 27.JUN.2016 22:34:10

802.11n 20 MHz Bandwidth (2nd Diversity Antenna), 5700 MHz, MCS0, 8 GHz to 18 GHz,
Frequency Band 3, Spurious Radiated Emissions Plot

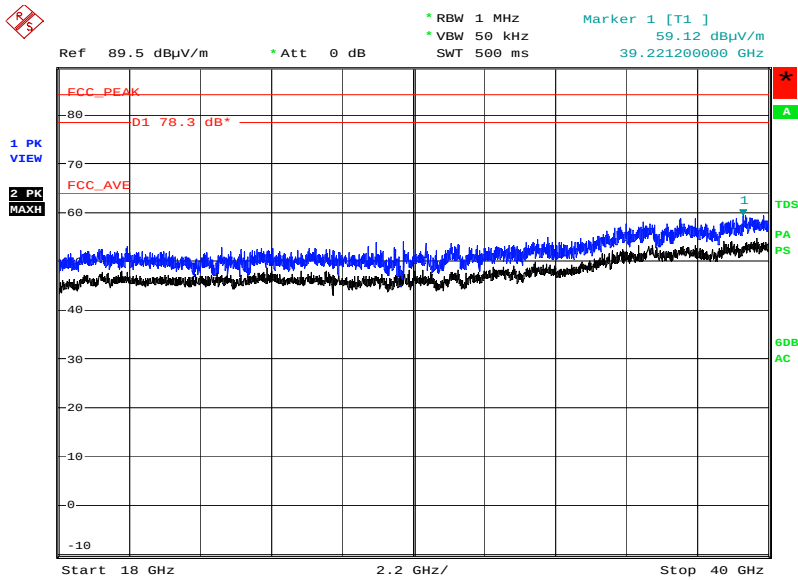


Date: 28.JUN.2016 22:31:34



Product Service

802.11n 20 MHz Bandwidth (2nd Diversity Antenna), 5700 MHz, MCS0, 18 GHz to 40 GHz,
Frequency Band 3, Spurious Radiated Emissions Plot



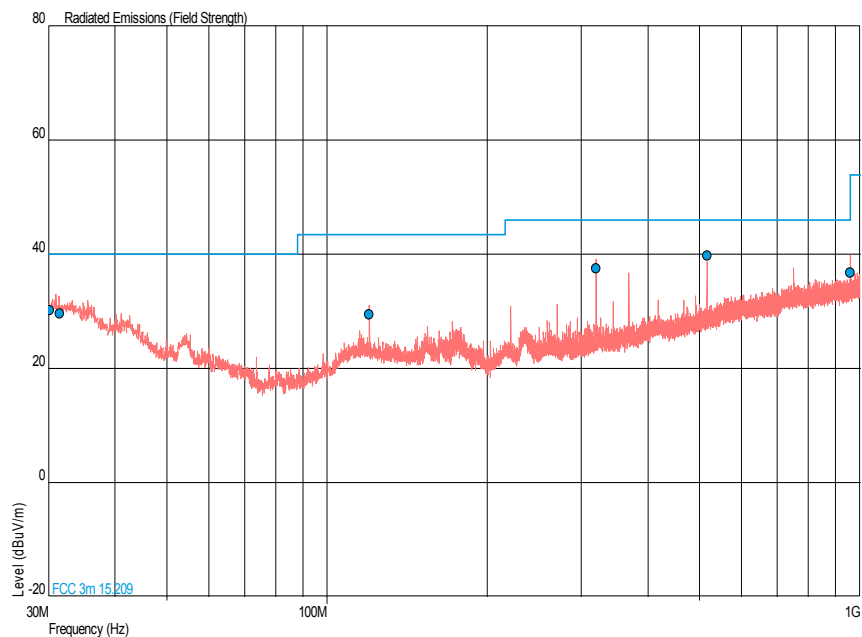
Date: 26.JUN.2016 14:53:37



802.11n 20 MHz Bandwidth (2nd Diversity Antenna), 5745 MHz, MCS0, 30 MHz to 1 GHz,
Frequency Band 4, 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
30.158	30.2	-9.8	32.4	-67.6	346	1.00	Vertical
31.485	29.6	-10.4	30.2	-69.8	13	1.00	Horizontal
120.017	29.6	-13.9	30.2	-119.8	360	1.00	Vertical
319.492	37.5	-8.5	75.0	-125.0	0	1.00	Horizontal
516.100	39.8	-6.2	97.7	-102.3	164	1.00	Vertical
960.049	36.9	-17.1	70.0	-431.0	170	1.00	Horizontal

802.11n 20 MHz Bandwidth (2nd Diversity Antenna), 5745 MHz, MCS0, 30 MHz to 1 GHz,
Frequency Band 4, Spurious Radiated Emissions Plot





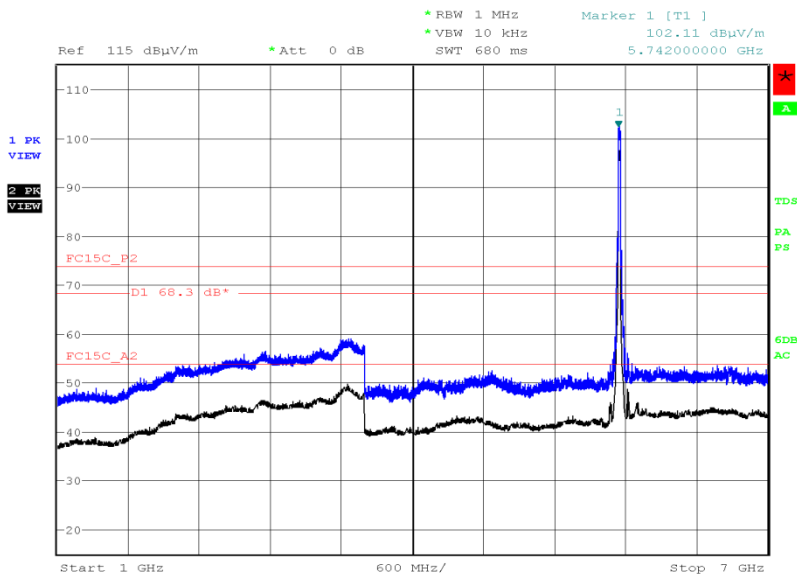
Product Service

802.11n 20 MHz Bandwidth (2nd Diversity Antenna), 5745 MHz, MCS0, 1 GHz to 40 GHz,
Frequency Band 4, 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 20 MHz Bandwidth (2nd Diversity Antenna), 5745 MHz, MCS0, 1 GHz to 7 GHz,
Frequency Band 4, Spurious Radiated Emissions Plot

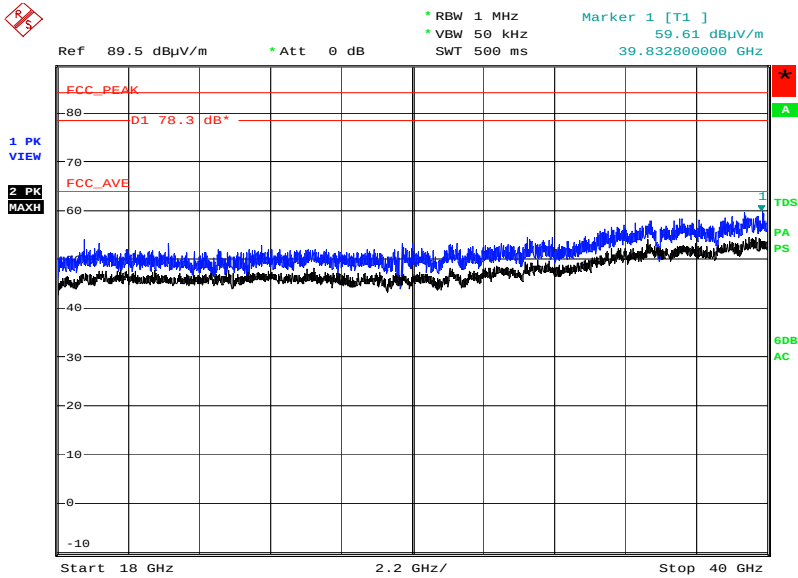


Date: 16.JUN.2016 17:46:09



Product Service

802.11n 20 MHz Bandwidth (2nd Diversity Antenna), 5745 MHz, MCS0, 18 GHz to 40 GHz,
Frequency Band 4, Spurious Radiated Emissions Plot



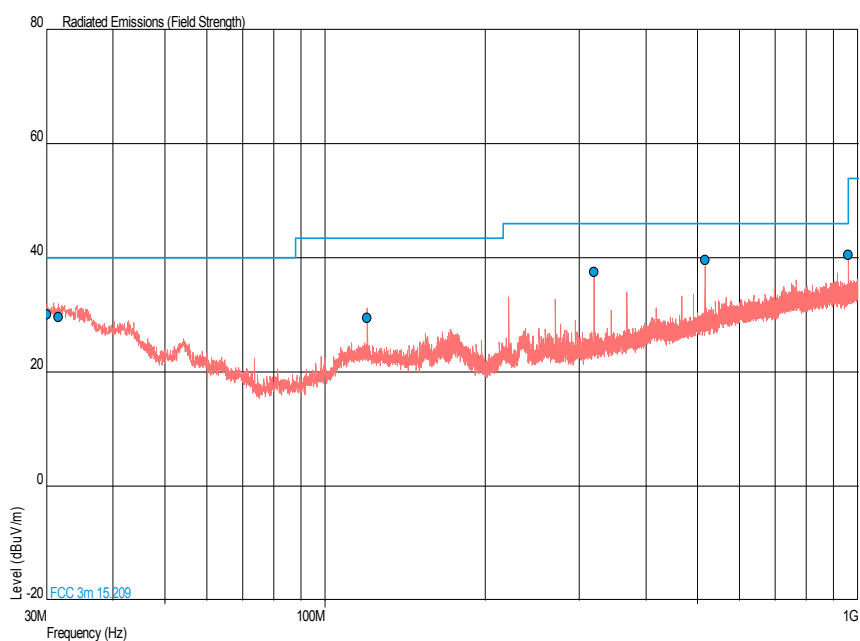
Date: 26.JUN.2016 15:13:50



802.11n 20 MHz Bandwidth (2nd Diversity Antenna), 5785 MHz, MCS0, 30 MHz to 1 GHz,
Frequency Band 4, 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
30.009	30.0	-10.0	31.6	-68.4	13	1.00	Vertical
31.601	29.6	-10.4	30.2	-69.8	26	3.33	Vertical
119.975	29.5	-14.0	29.9	-120.1	360	1.00	Vertical
319.484	37.5	-8.5	75.0	-125.0	0	1.00	Horizontal
516.101	39.7	-6.3	96.6	-103.4	157	1.00	Vertical
960.018	40.5	-13.5	105.9	-395.1	75	1.48	Horizontal

802.11n 20 MHz Bandwidth (2nd Diversity Antenna), 5785 MHz, MCS0, 30 MHz to 1 GHz,
Frequency Band 4, Spurious Radiated Emissions Plot





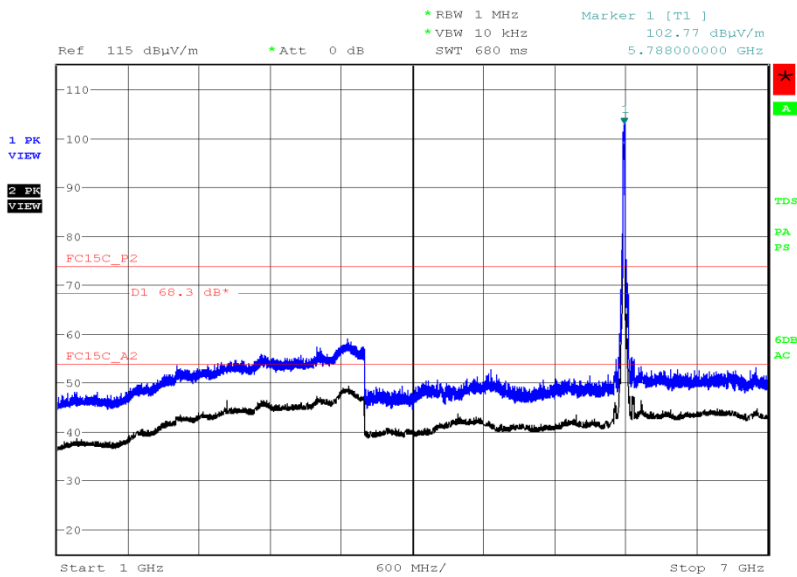
Product Service

802.11n 20 MHz Bandwidth (2nd Diversity Antenna), 5785 MHz, MCS0, 1 GHz to 40 GHz,
Frequency Band 4, 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 20 MHz Bandwidth (2nd Diversity Antenna), 5785 MHz, MCS0, 1 GHz to 7 GHz,
Frequency Band 4, Spurious Radiated Emissions Plot

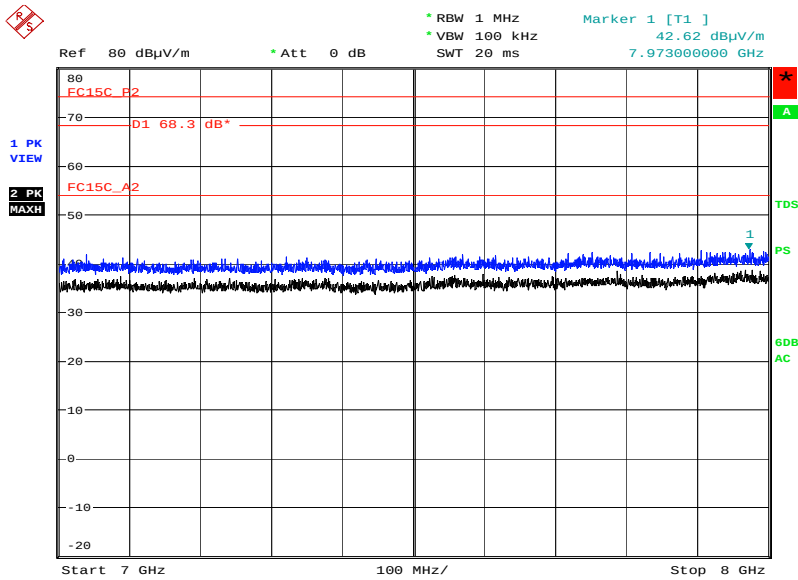


Date: 16.JUN.2016 17:52:23



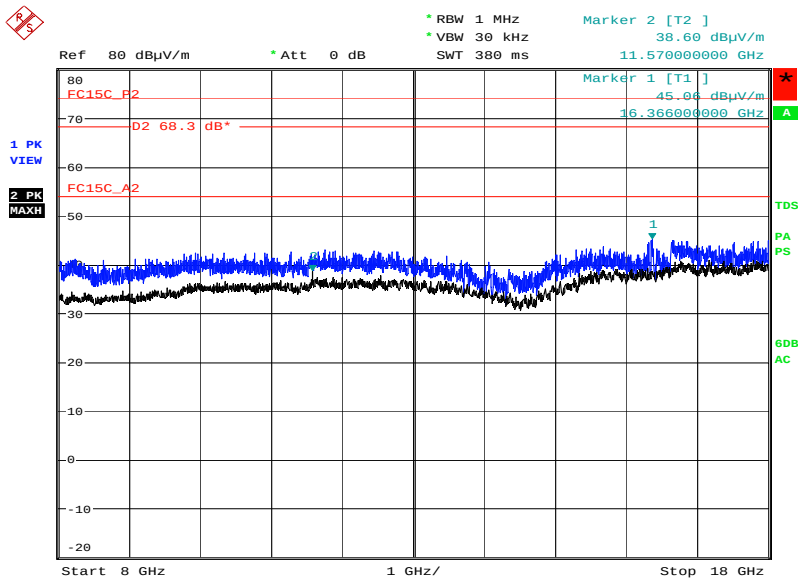
Product Service

802.11n 20 MHz Bandwidth (2nd Diversity Antenna), 5785 MHz, MCS0, 7 GHz to 8 GHz,
Frequency Band 4, Spurious Radiated Emissions Plot



Date: 27.JUN.2016 22:45:29

802.11n 20 MHz Bandwidth (2nd Diversity Antenna), 5785 MHz, MCS0, 8 GHz to 18 GHz,
Frequency Band 4, Spurious Radiated Emissions Plot

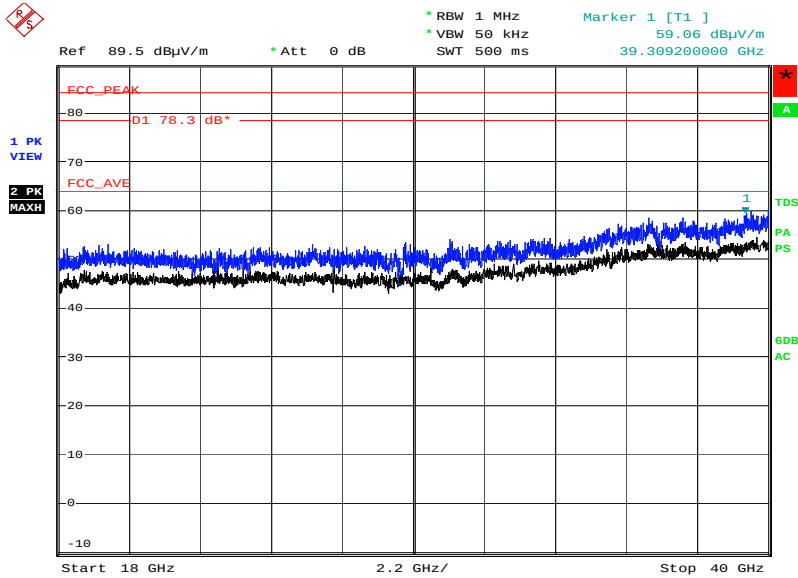


Date: 28.JUN.2016 22:43:20



Product Service

802.11n 20 MHz Bandwidth (2nd Diversity Antenna), 5785 MHz, MCS0, 18 GHz to 40 GHz,
Frequency Band 4, Spurious Radiated Emissions Plot



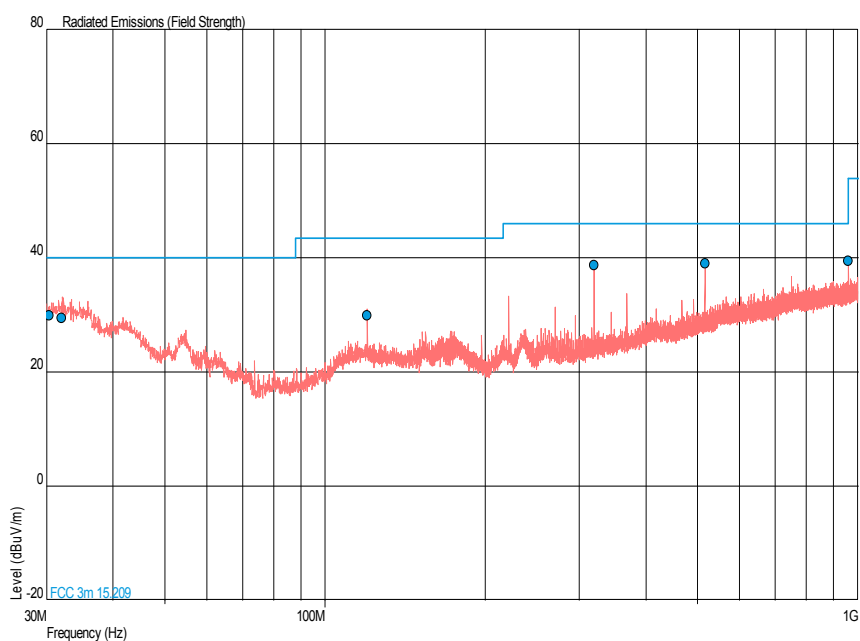
Date: 26.JUN.2016 15:32:18



802.11n 20 MHz Bandwidth (2nd Diversity Antenna), 5825 MHz, MCS0, 30 MHz to 1 GHz,
Frequency Band 4, 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
30.332	29.9	-10.1	31.3	-68.7	360	2.98	Horizontal
32.036	29.5	-10.5	29.9	-70.1	306	1.00	Vertical
119.981	30.0	-13.5	31.6	-118.4	342	1.00	Vertical
319.484	38.7	-7.3	86.1	-113.9	0	1.00	Horizontal
516.108	39.1	-6.9	90.2	-109.8	150	1.00	Vertical
960.000	39.5	-6.5	94.4	-105.6	348	1.00	Horizontal

802.11n 20 MHz Bandwidth (2nd Diversity Antenna), 5825 MHz, MCS0, 30 MHz to 1 GHz,
Frequency Band 4, Spurious Radiated Emissions Plot





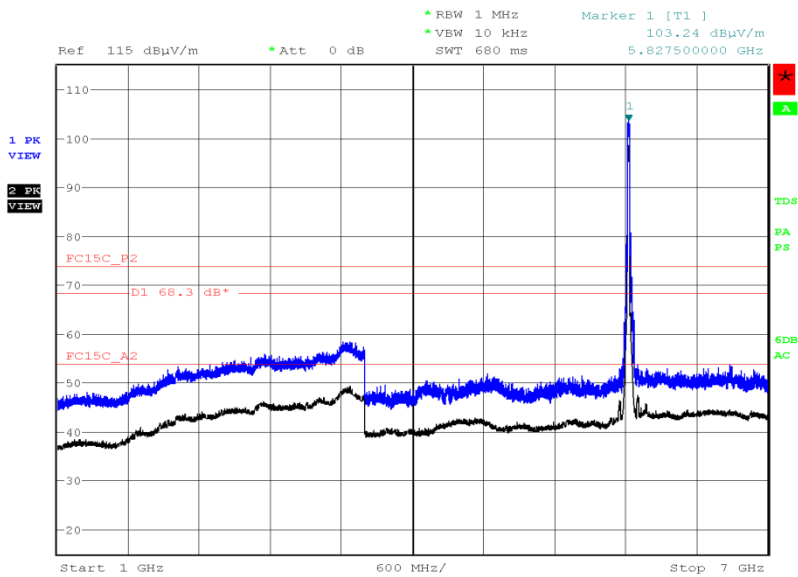
Product Service

802.11n 20 MHz Bandwidth (2nd Diversity Antenna), 5825 MHz, MCS0, 1 GHz to 40 GHz,
Frequency Band 4, 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 6 dB of the limit.

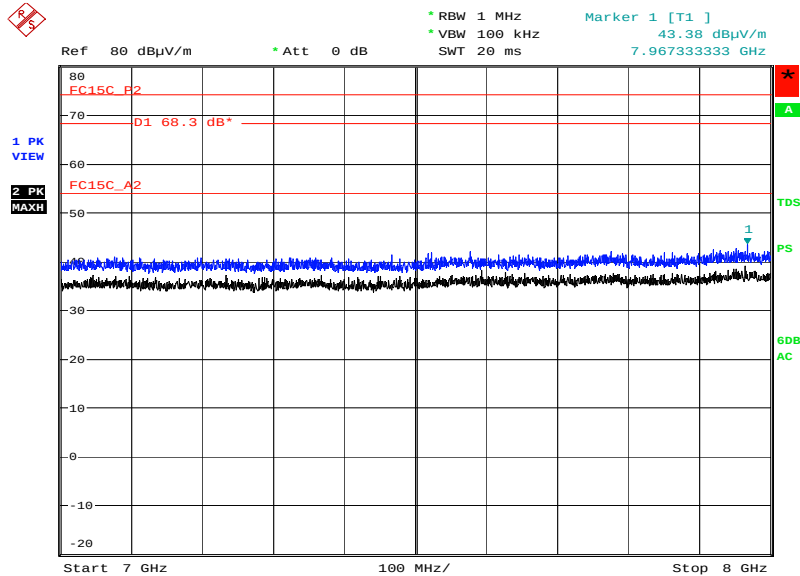
802.11n 20 MHz Bandwidth (2nd Diversity Antenna), 5825 MHz, MCS0, 1 GHz to 7 GHz,
Frequency Band 4, Spurious Radiated Emissions Plot





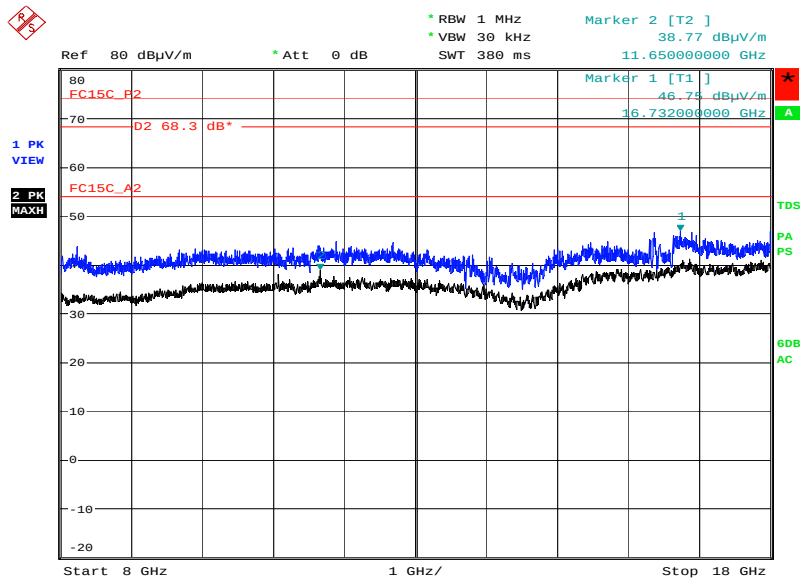
Product Service

802.11n 20 MHz Bandwidth (2nd Diversity Antenna), 5825 MHz, MCS0, 7 GHz to 8 GHz,
Frequency Band 4, Spurious Radiated Emissions Plot



Date: 27.JUN.2016 22:50:42

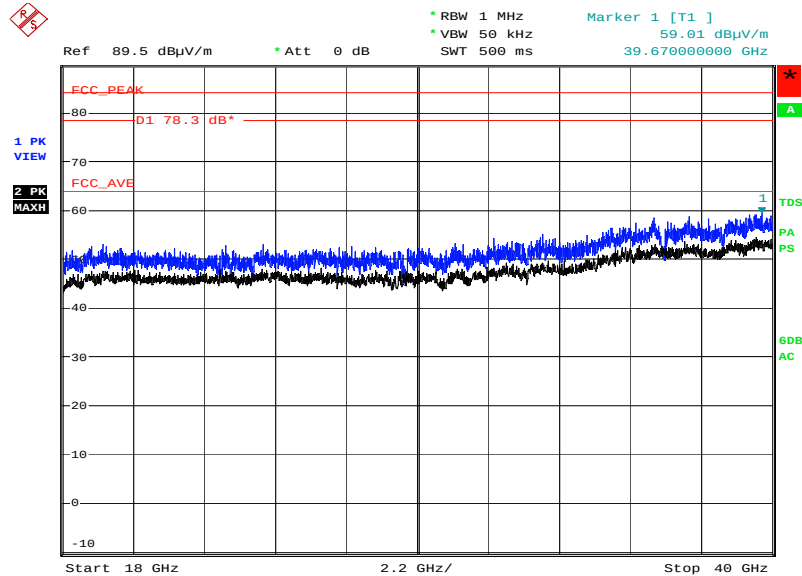
802.11n 20 MHz Bandwidth (2nd Diversity Antenna), 5825 MHz, MCS0, 8 GHz to 18 GHz,
Frequency Band 4, Spurious Radiated Emissions Plot



Date: 28.JUN.2016 22:48:58



802.11n 20 MHz Bandwidth (2nd Diversity Antenna), 5825 MHz, MCS0, 18 GHz to 40 GHz, Frequency Band 4, Spurious Radiated Emissions Plot



Date: 26.JUN.2016 15:40:37

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
5.715 GHz to 5.725 GHz and 5.850 GHz to 5.860 GHz band	-17 dBm/MHz
Outside the 5.715 GHz to 5.860 GHz band	-27 dBm/MHz

FCC 47 CFR Part 15, Limit Clause 15.205

	Peak (dBμV/m)	Average (dBμV/m)
Restricted Bands of Operation	As per 15.209	As per 15.209

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

Industry Canada RSS-247, Limit Clause 6.2

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
5.715 GHz to 5.725 GHz and 5.850 GHz to 5.860 GHz band	-17 dBm/MHz
Outside the 5.715 GHz to 5.860 GHz band	-27 dBm/MHz

Industry Canada RSS-GEN, Limit Clause 8.9

Frequency (MHz)	Field Strength			Measurement Distance (m)
	(μ V/m)	Average (dB μ V/m)	Peak (dB μ V/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

Industry Canada RSS-GEN, Limit Clause 8.10

	Peak (dB μ V/m)	Average (dB μ V/m)
Restricted Bands of Operation	As per RSS-GEN Clause 8.9	As per RSS-GEN Clause 8.9



Product Service

2.6 FREQUENCY STABILITY

2.6.1 Specification Reference

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

2.6.2 Equipment Under Test and Modification State

Minuet/FS5332 S/N: RAD108620 (Module) and RAD108704 (Platform) - Modification State 0

2.6.3 Date of Test

25 May 2016, 26 May 2016, 3 June 2016 & 6 June 2016

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 spectrum analyser settings were configured as defined in KDB 789033 D02 V01R02, Section II clause E.2 Method SA-2 Alternative, except the span was adjusted to contain the band edge to determine whether the frequency stability of the emission is maintained within the band of operation under all conditions as specified in the user manual.

2.6.6 Environmental Conditions

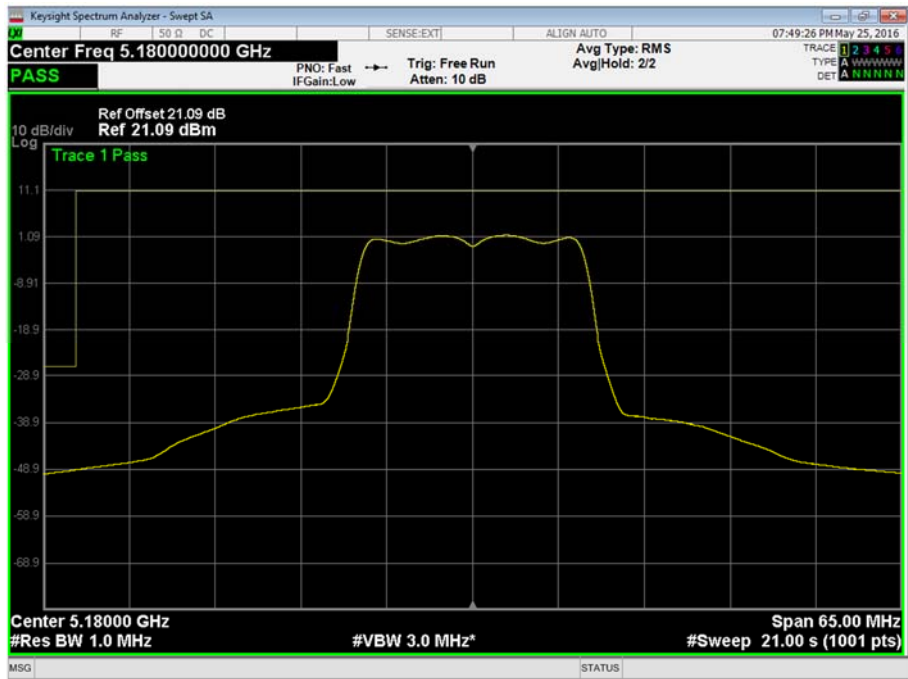
Ambient Temperature	21.4 - 23.8°C
Relative Humidity	33.7 - 43.5%



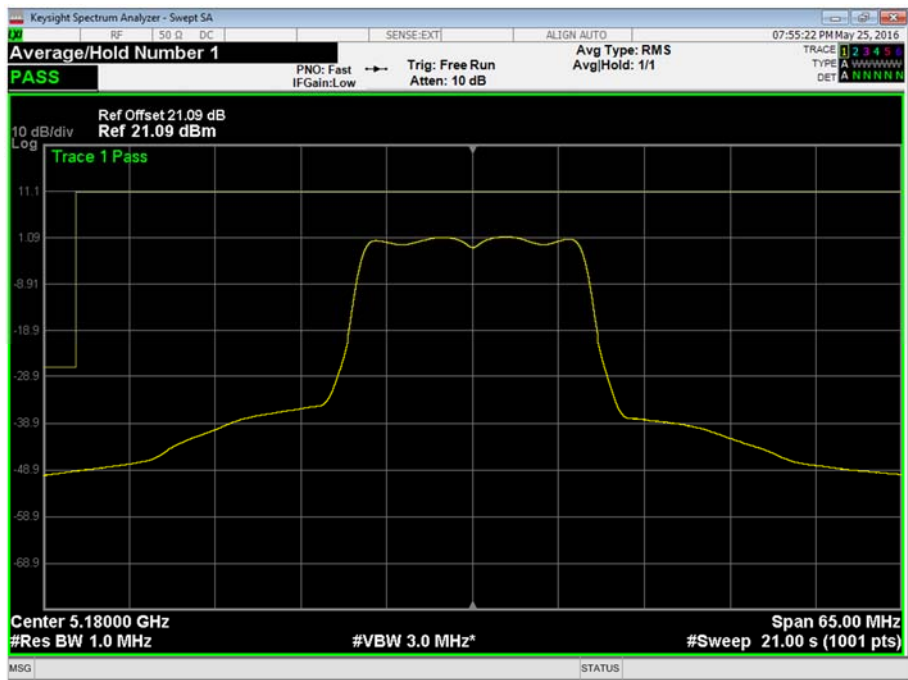
Product Service

2.6.7 Test Results

802.11a, 5180 MHz, 0°C, 4.75 V DC, Frequency Band 1, Frequency Stability Plot



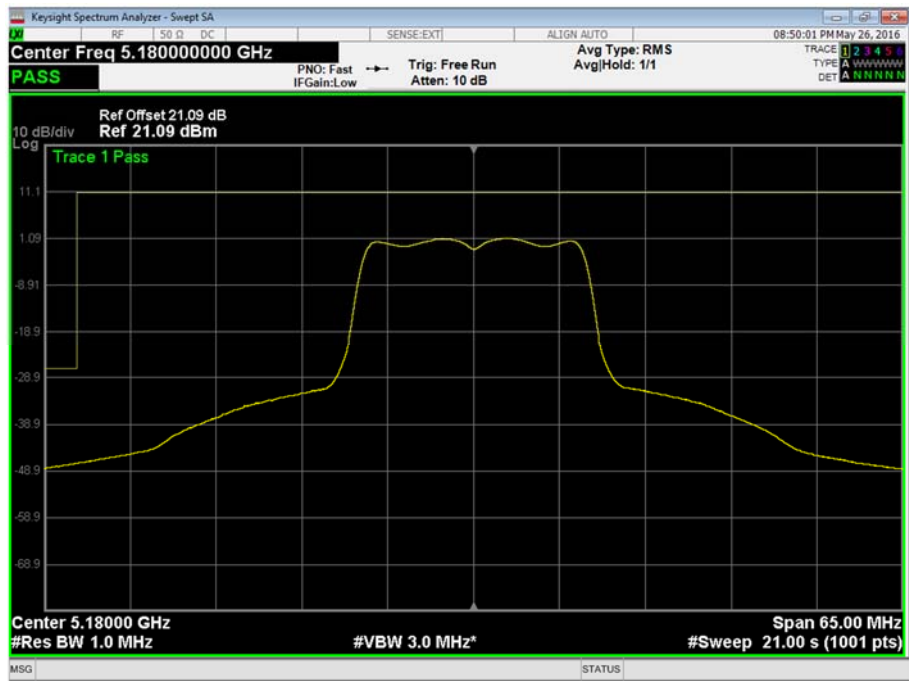
802.11a, 5180 MHz, 0°C, 5.25 V DC, Frequency Band 1, Frequency Stability Plot



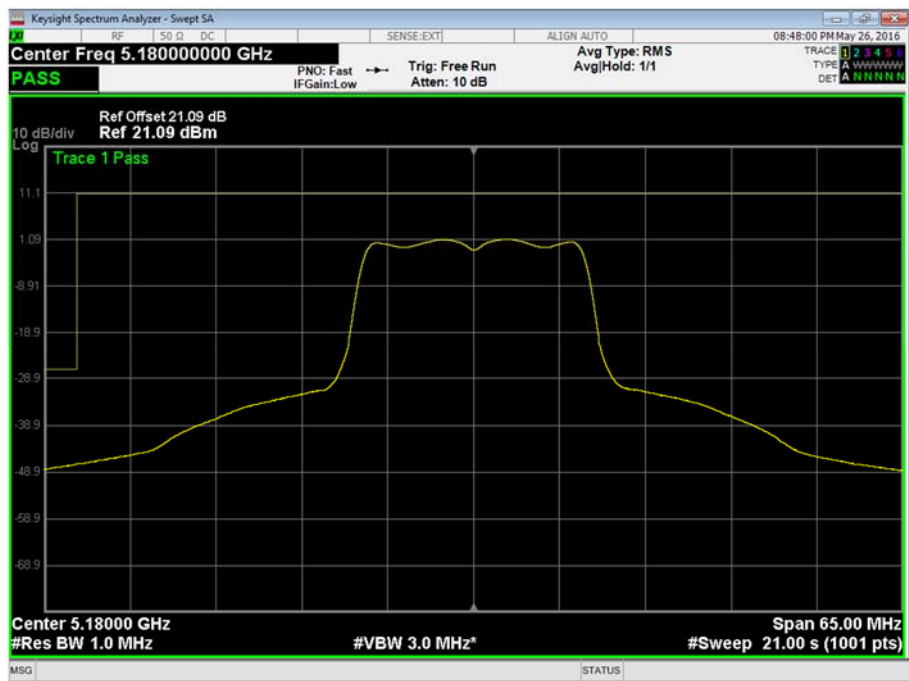


Product Service

802.11a, 5180 MHz, +70°C, 4.75 V DC Frequency Band 1, Frequency Stability Plot



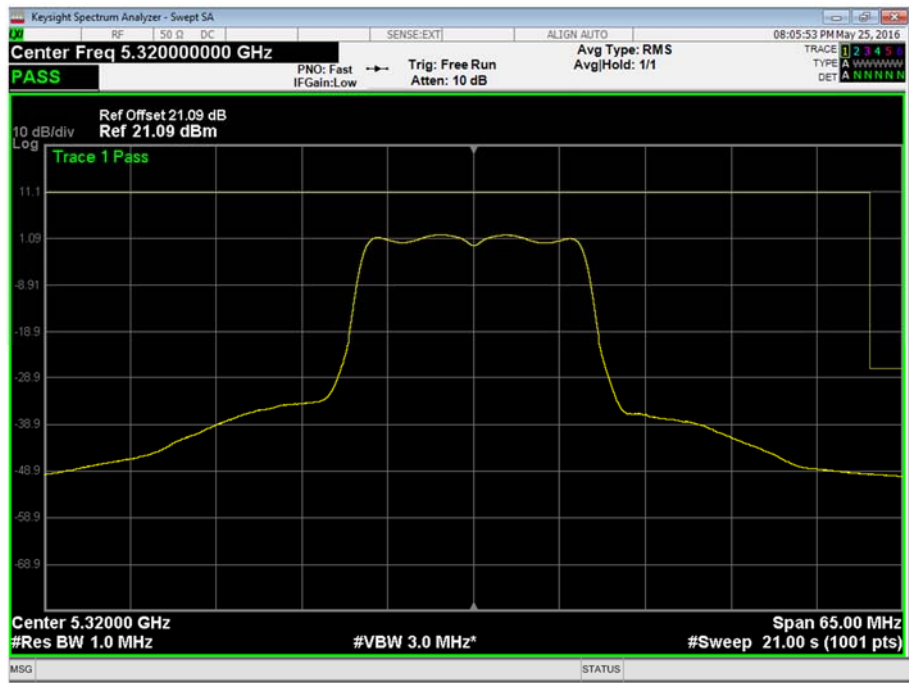
802.11a, 5180 MHz, +70°C, 5.25 V DC, Frequency Band 1, Frequency Stability Plot



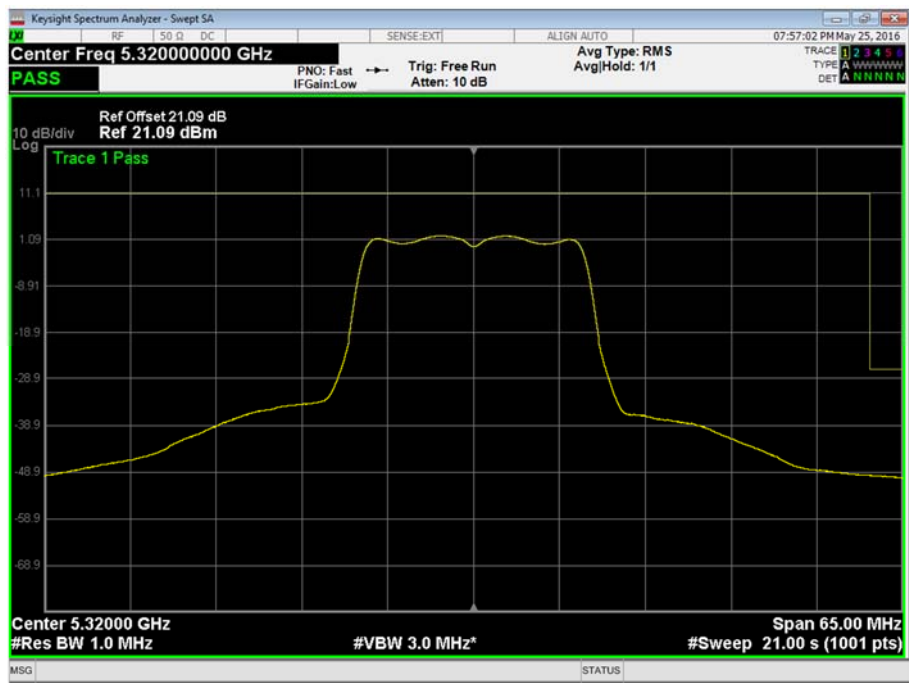


Product Service

802.11a, 5320 MHz, 0°C, 4.75 V DC Frequency Band 2, Frequency Stability Plot



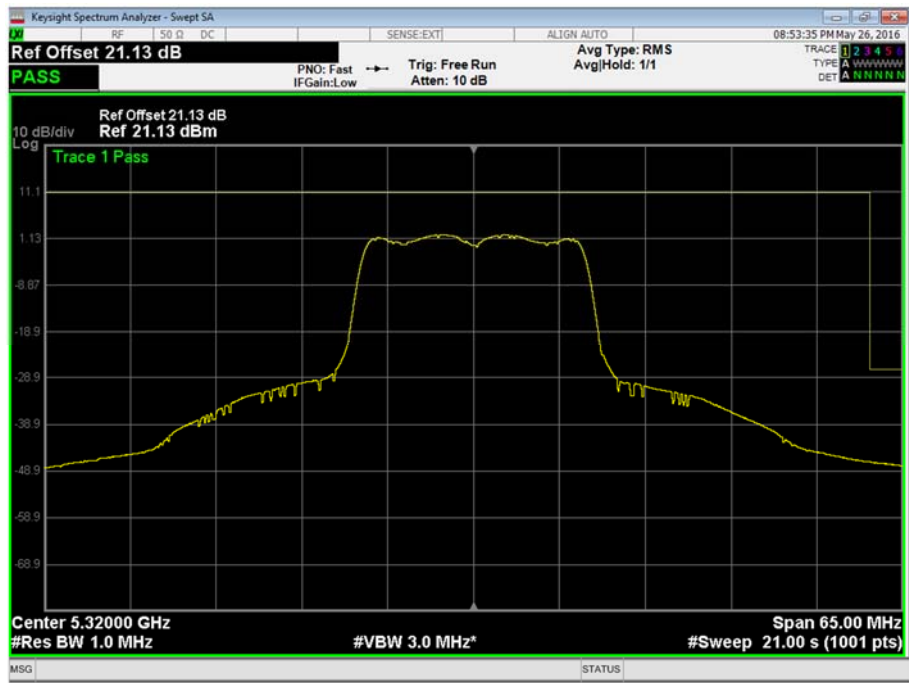
802.11a, 5320 MHz, 0°C, 5.25 V DC, Frequency Band 2, Frequency Stability Plot



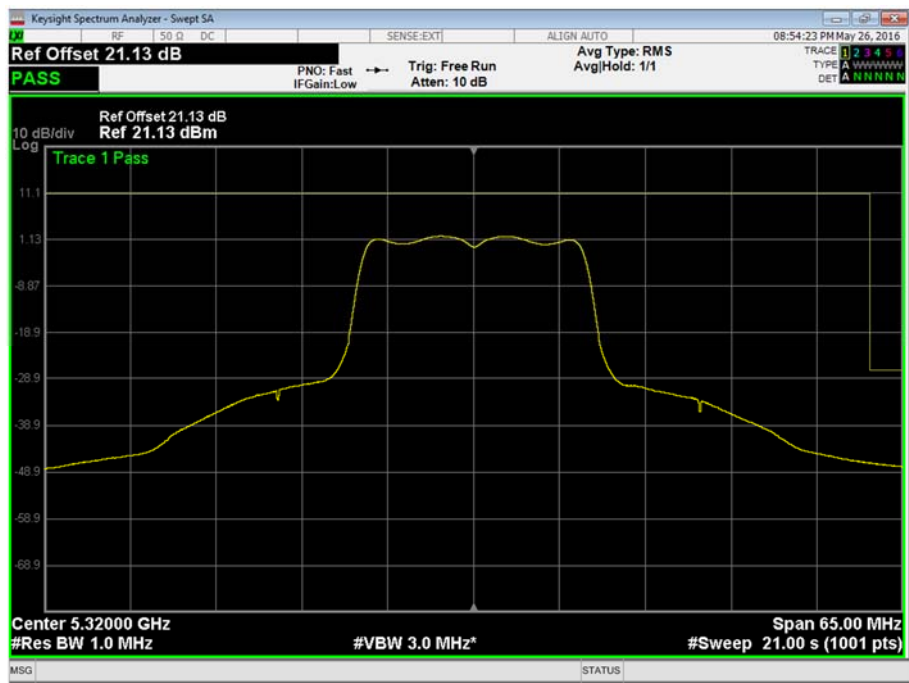


Product Service

802.11a, 5320 MHz, +70°C, 4.75 V DC Frequency Band 2, Frequency Stability Plot



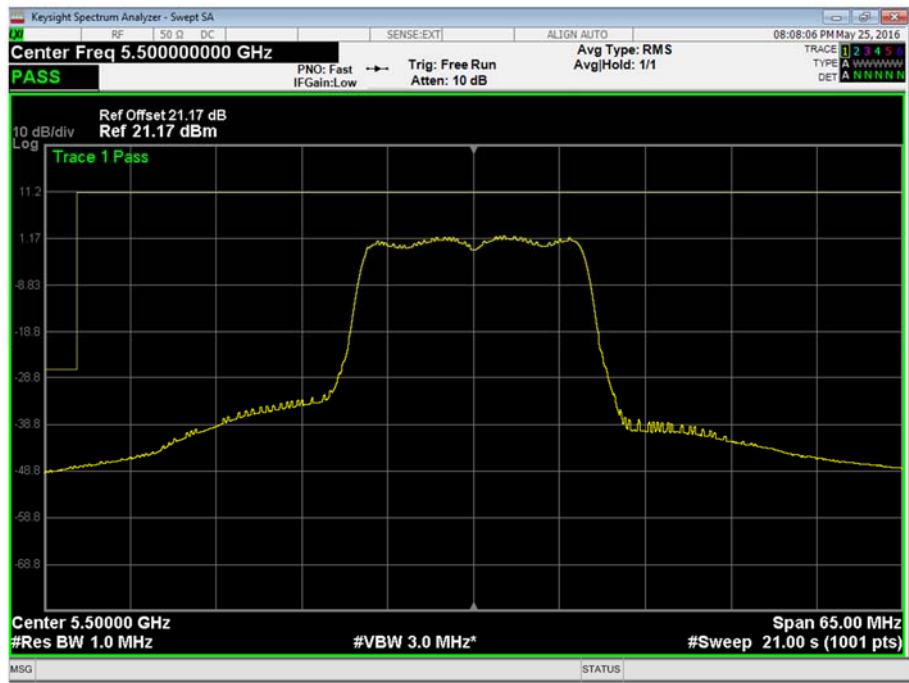
802.11a, 5320 MHz, +70°C, 5.25 V DC, Frequency Band 2, Frequency Stability Plot



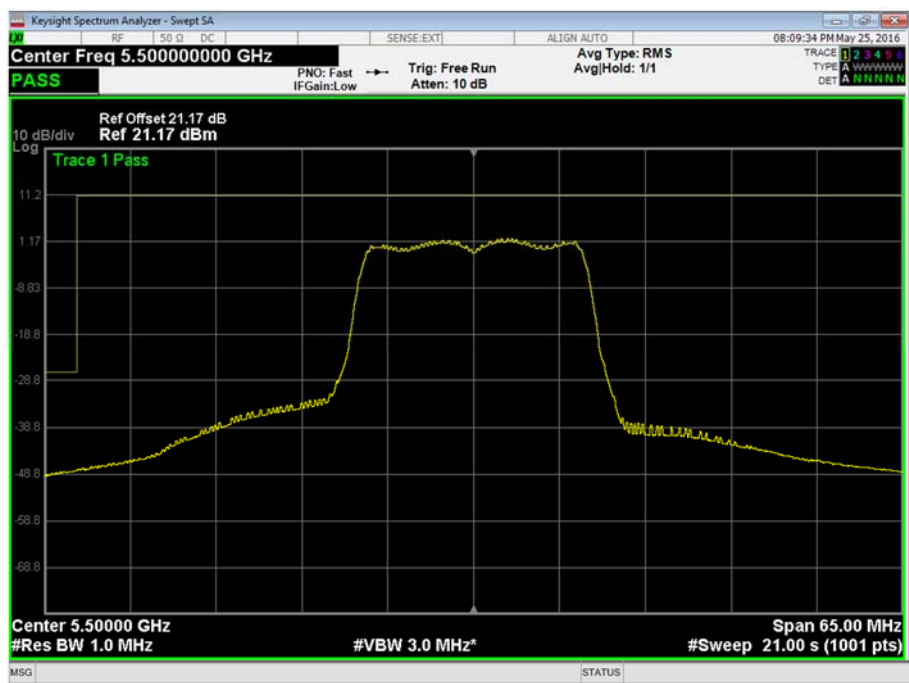


Product Service

802.11a, 5500 MHz, 0°C, 4.75 V DC, Frequency Band 3, Frequency Stability Plot



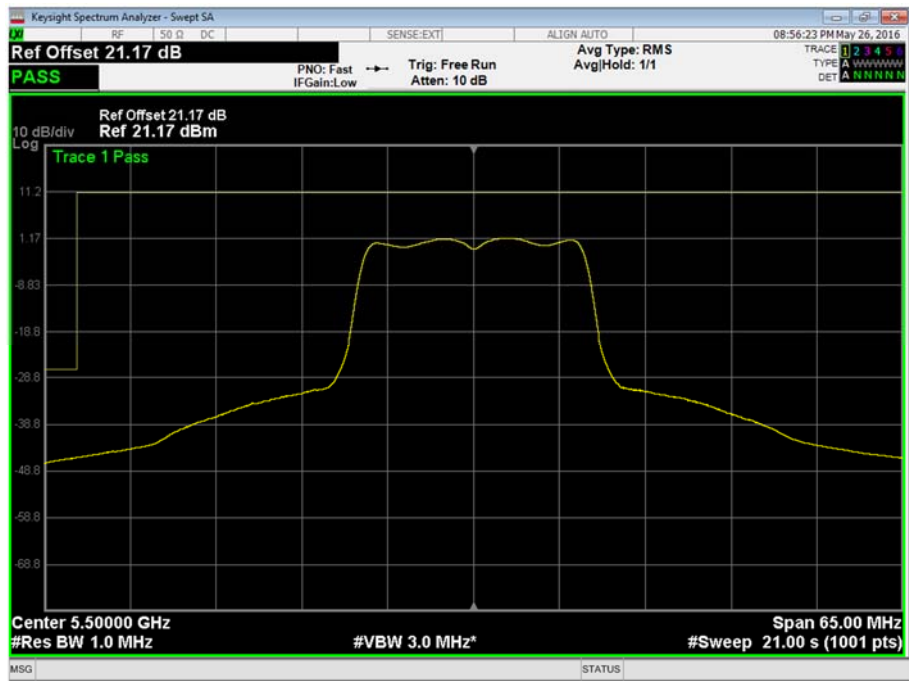
802.11a, 5500 MHz, 0°C, 5.25 V DC, Frequency Band 3, Frequency Stability Plot



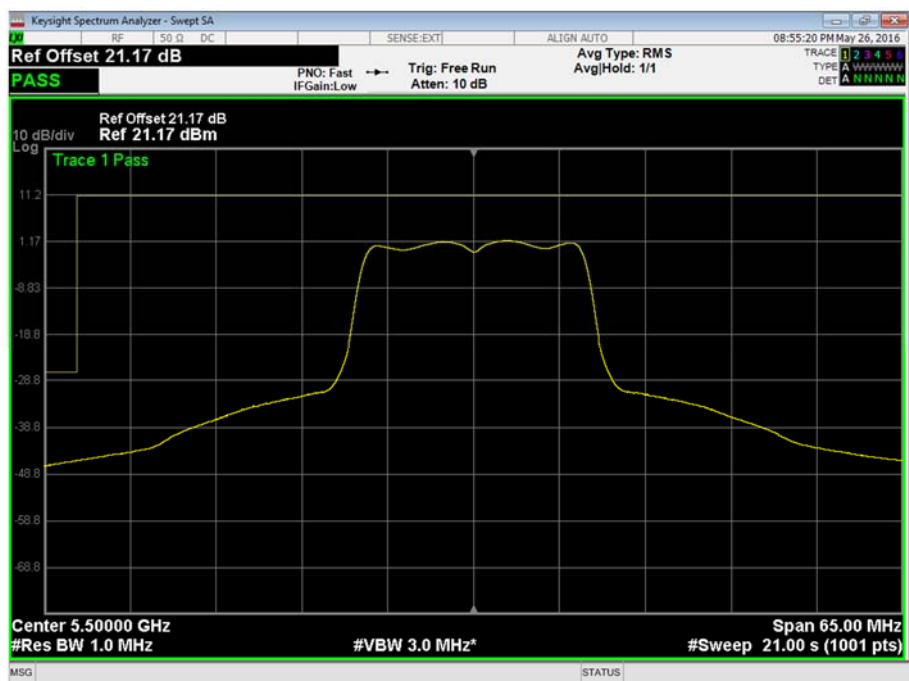


Product Service

802.11a, 5500 MHz, +70°C, 4.75 V DC Frequency Band 3, Frequency Stability Plot

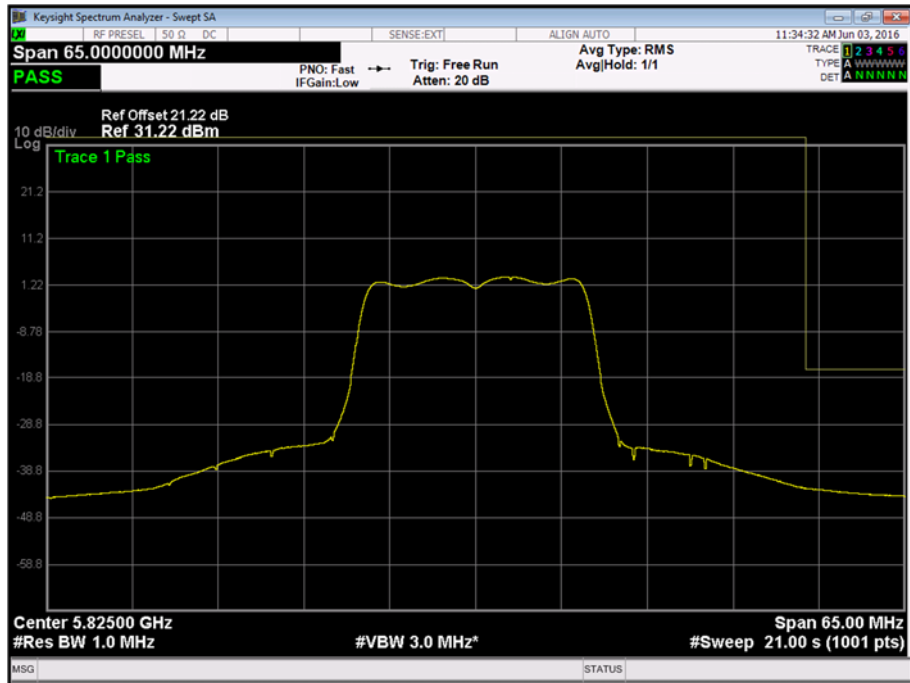
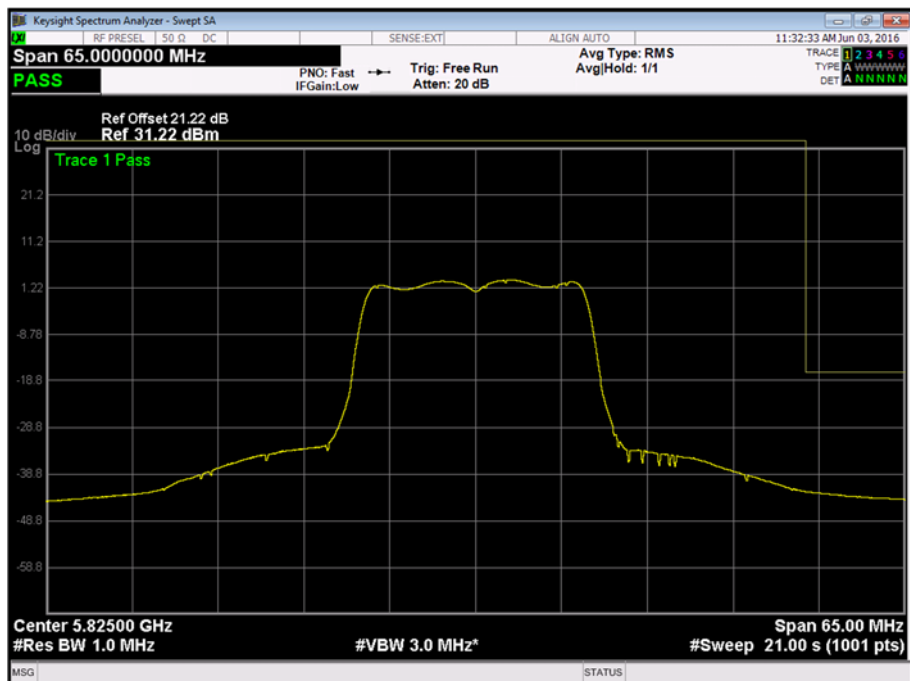


802.11a, 5500 MHz, +70°C, 5.25 V DC, Frequency Band 3, Frequency Stability Plot



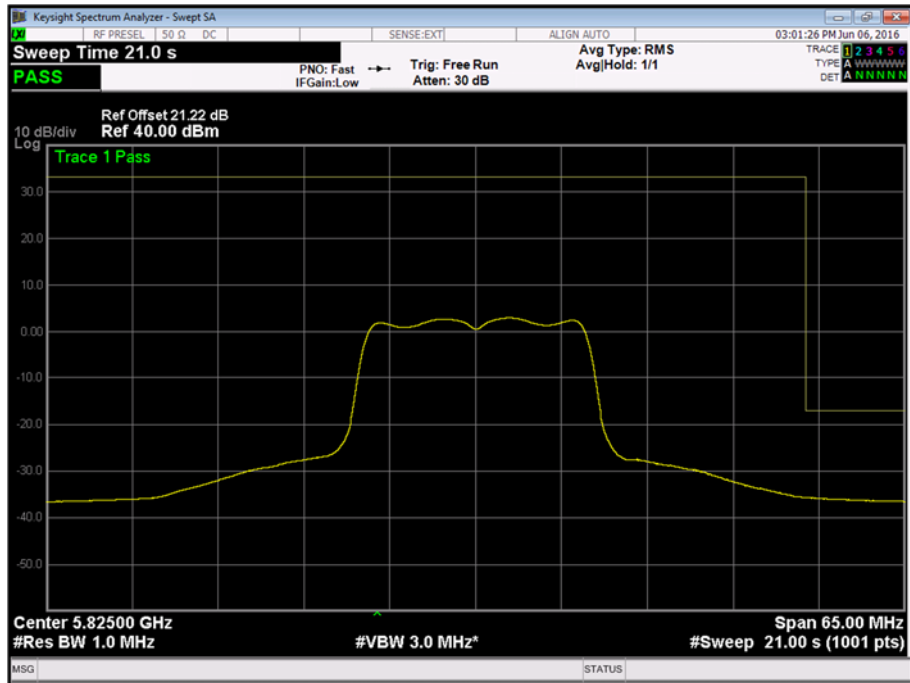
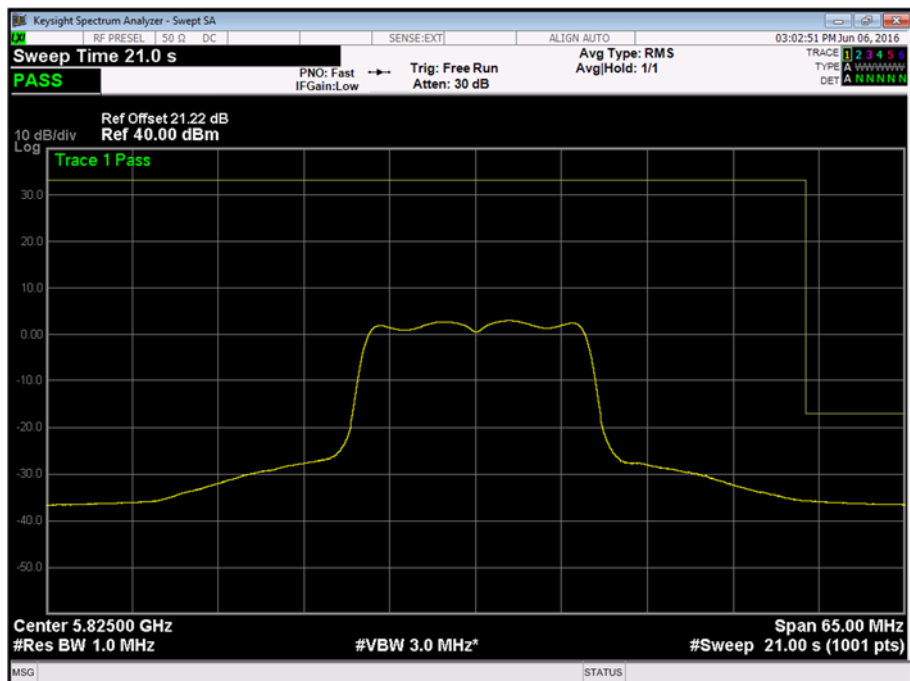


Product Service

802.11a, 5825 MHz, 0°C, 4.75 V DC Frequency Band 4, Frequency Stability Plot802.11a, 5825 MHz, 0°C, 5.25 V DC, Frequency Band 4, Frequency Stability Plot



Product Service

802.11a, 5825 MHz, +70°C, 4.75 V DC Frequency Band 4, Frequency Stability Plot802.11a, 5825 MHz, +70°C, 5.25 V DC, Frequency Band 4, Frequency Stability Plot



Product Service

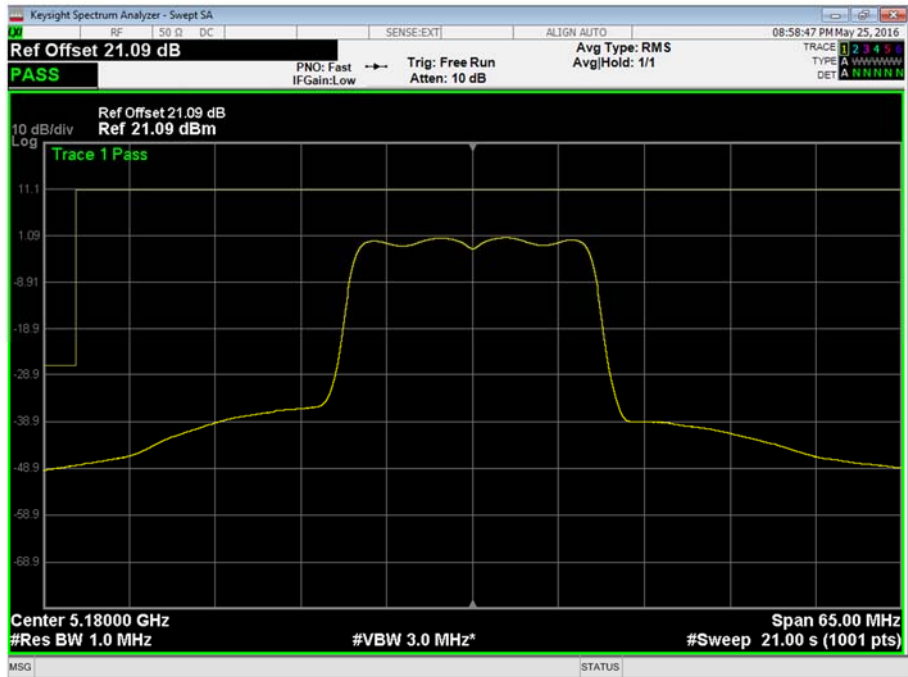
FCC 47 CFR Part 15, Limit Clause 15.407 (g)

Fundamental shall be maintained within the band of operation under all conditions of normal operations as specified in the user's manual.

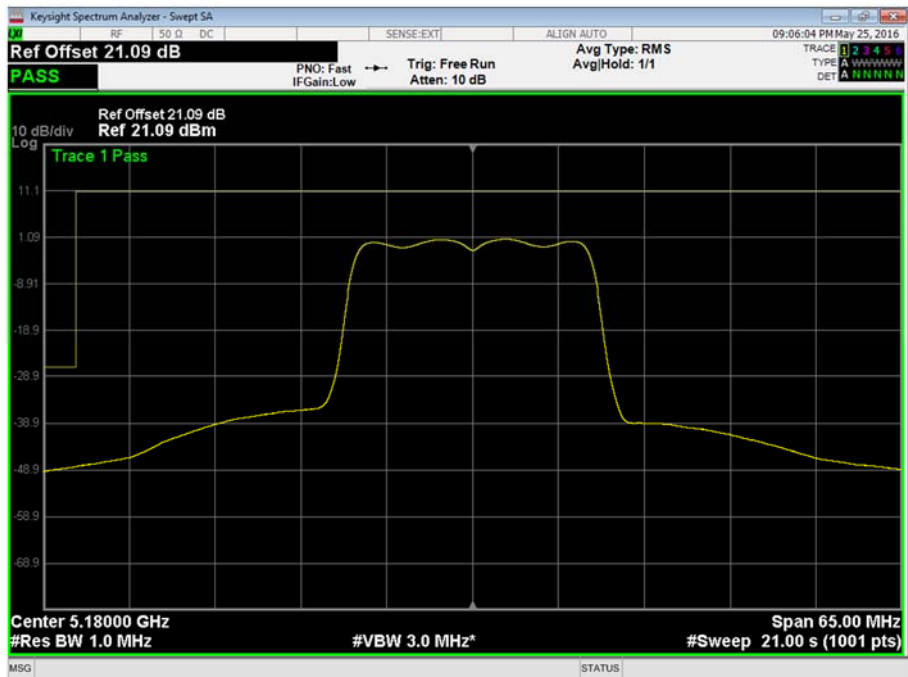


Product Service

802.11ac 20 MHz Bandwidth, 5180 MHz, 0°C, 4.75 V DC, Frequency Band 1, Frequency Stability Plot



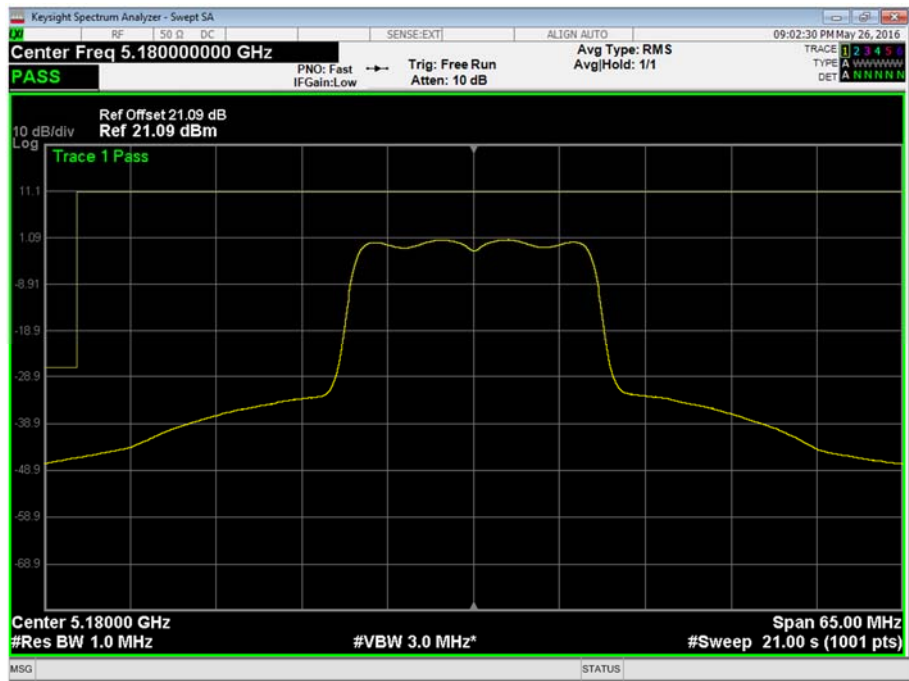
802.11ac 20 MHz Bandwidth, 5180 MHz, 0°C, 5.25 V DC, Frequency Band 1, Frequency Stability Plot



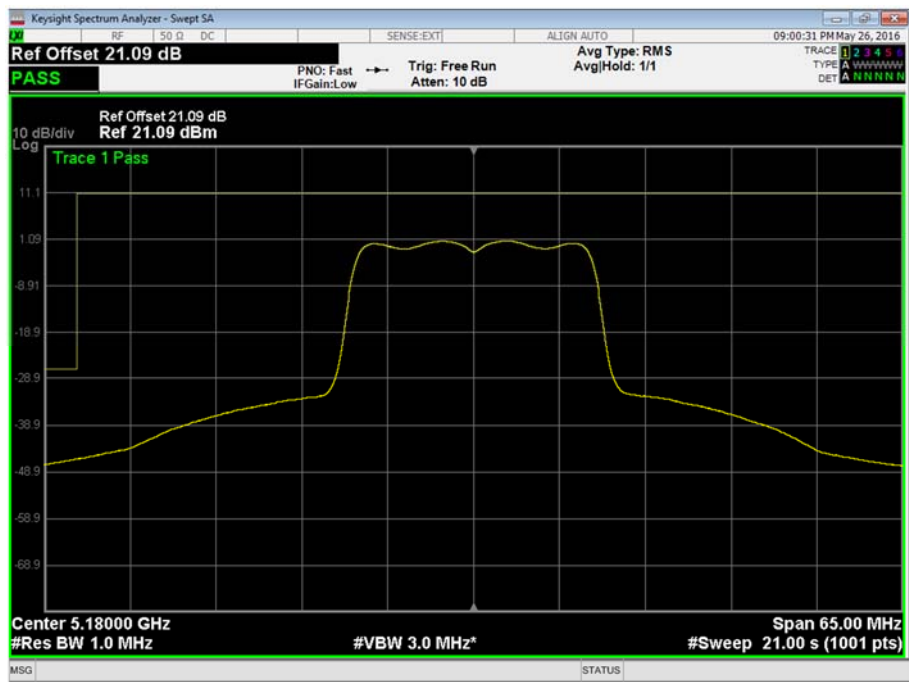


Product Service

802.11ac 20 MHz Bandwidth, 5180 MHz, +70°C, 4.75 V DC Frequency Band 1, Frequency Stability Plot



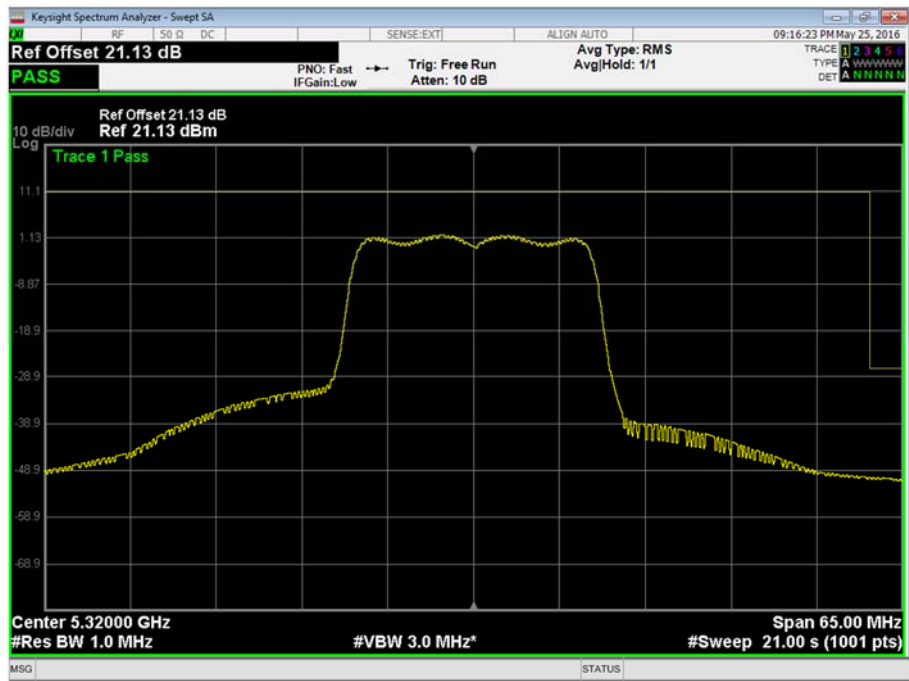
802.11ac 20 MHz Bandwidth, 5180 MHz, +70°C, 5.25 V DC, Frequency Band 1, Frequency Stability Plot



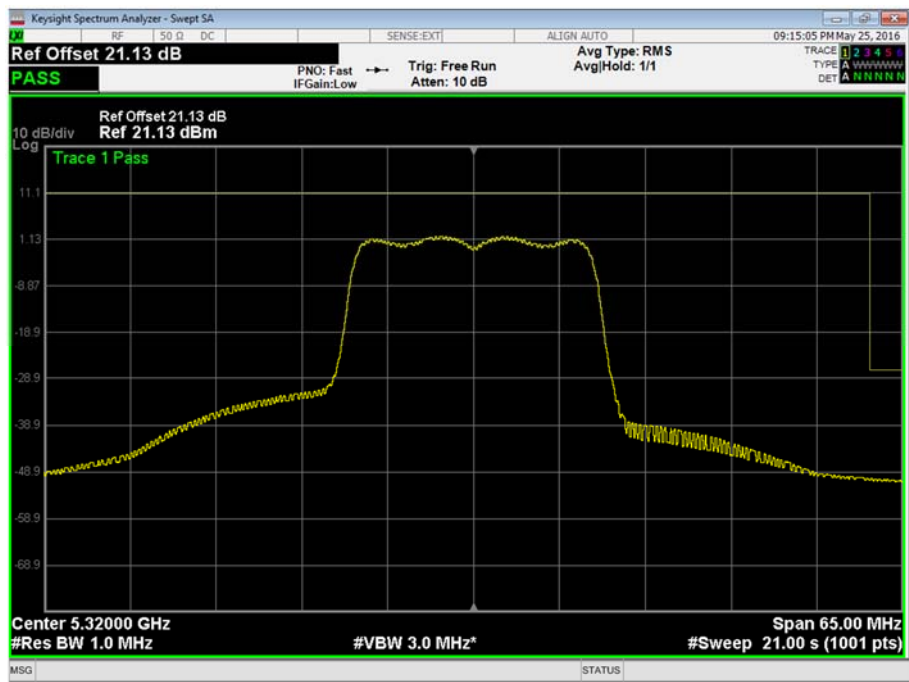


Product Service

802.11ac 20 MHz Bandwidth, 5320 MHz, 0°C, 4.75 V DC Frequency Band 2, Frequency Stability Plot



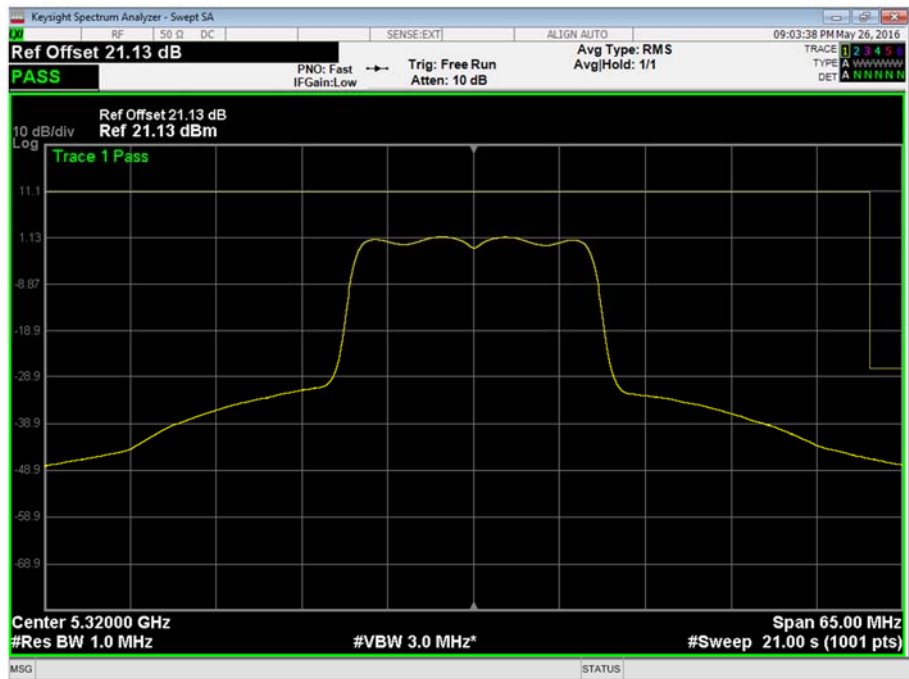
802.11ac 20 MHz Bandwidth, 5320 MHz, 0°C, 5.25 V DC, Frequency Band 2, Frequency Stability Plot



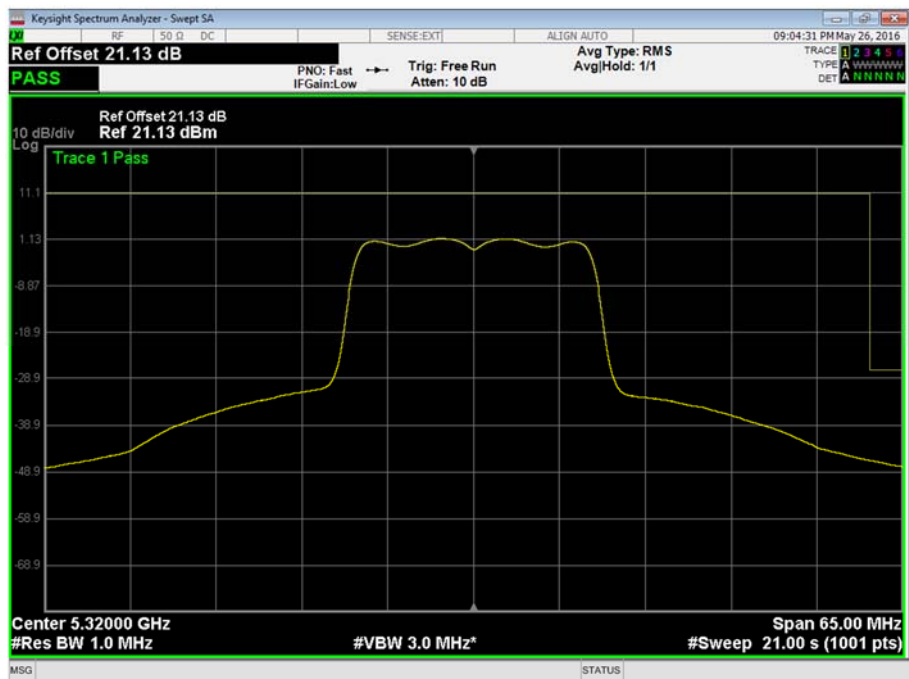


Product Service

802.11ac 20 MHz Bandwidth, 5320 MHz, +70°C, 4.75 V DC Frequency Band 2, Frequency Stability Plot



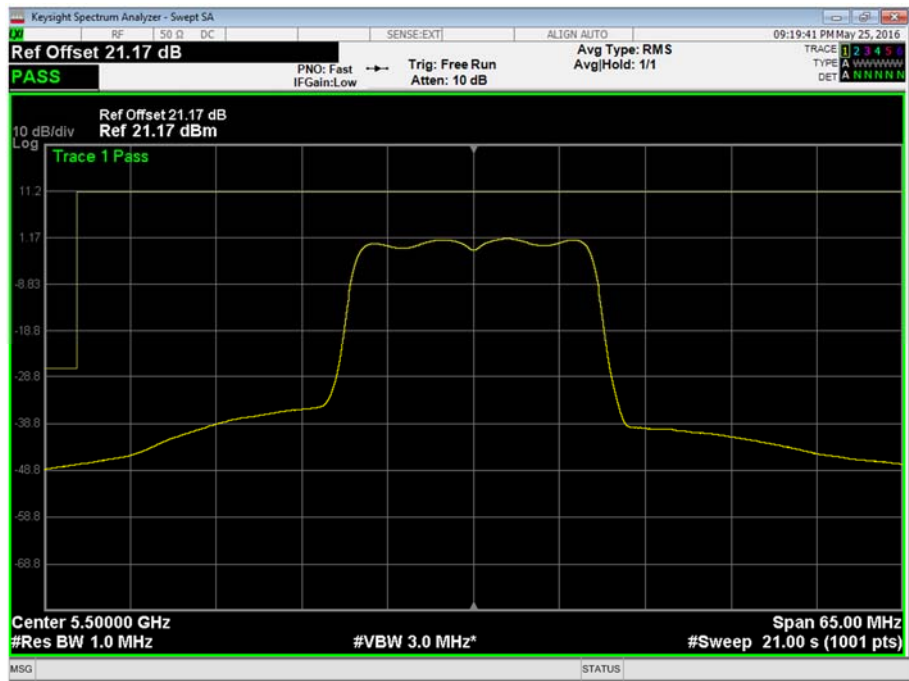
802.11ac 20 MHz Bandwidth, 5320 MHz, +70°C, 5.25 V DC, Frequency Band 2, Frequency Stability Plot



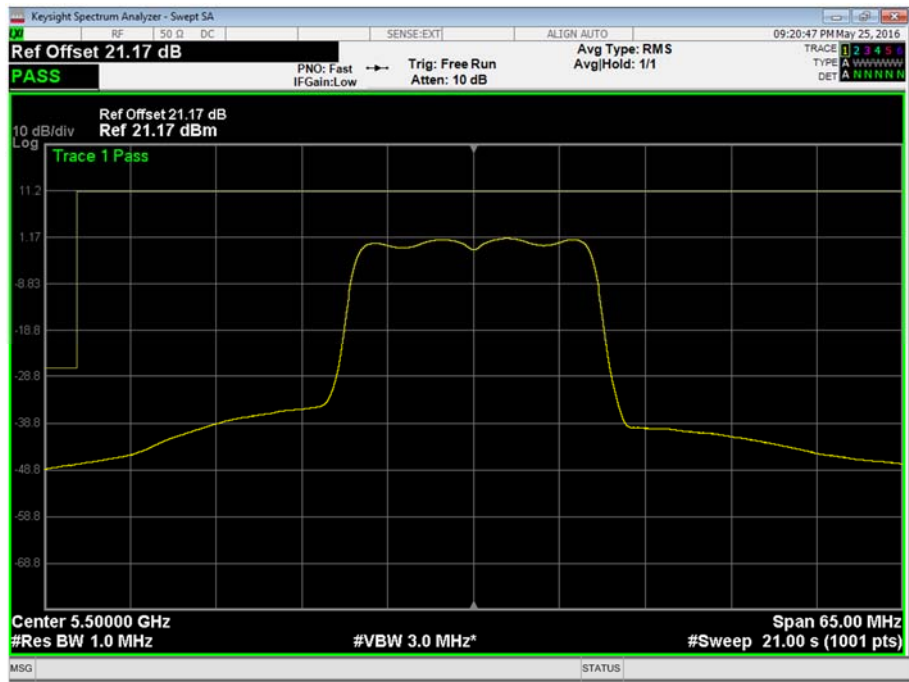


Product Service

802.11ac 20 MHz Bandwidth, 5500 MHz, 0°C, 4.75 V DC, Frequency Band 3, Frequency Stability Plot



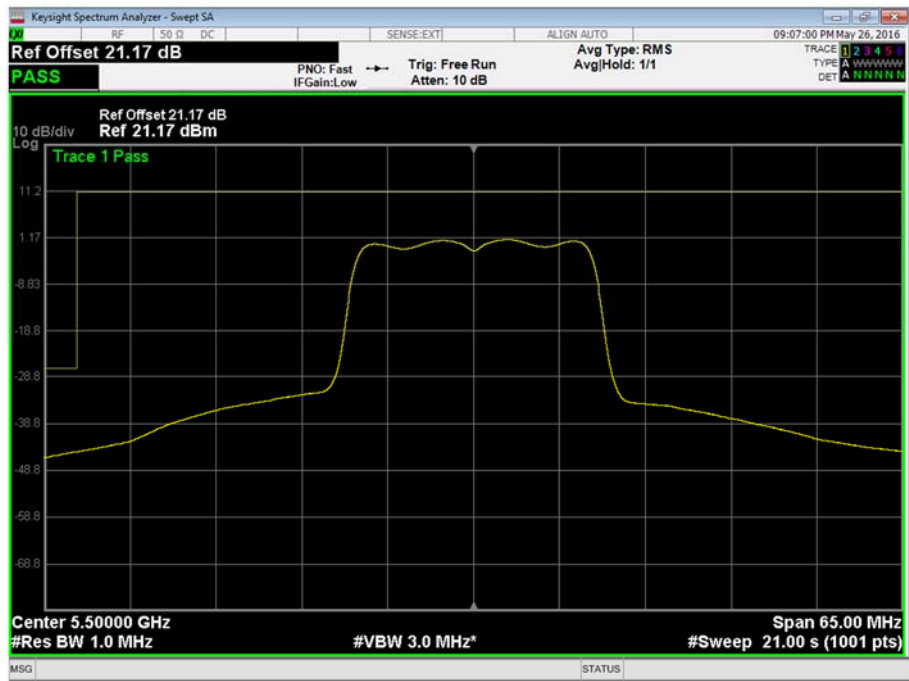
802.11ac 20 MHz Bandwidth, 5500 MHz, 0°C, 5.25 V DC, Frequency Band 3, Frequency Stability Plot



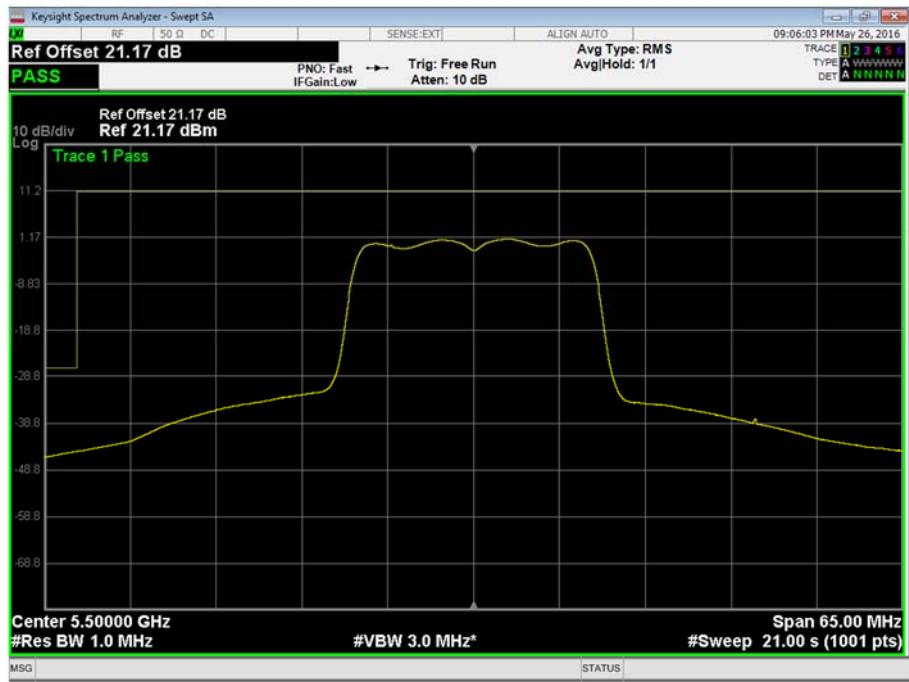


Product Service

802.11ac 20 MHz Bandwidth, 5500 MHz, +70°C, 4.75 V DC Frequency Band 3, Frequency Stability Plot



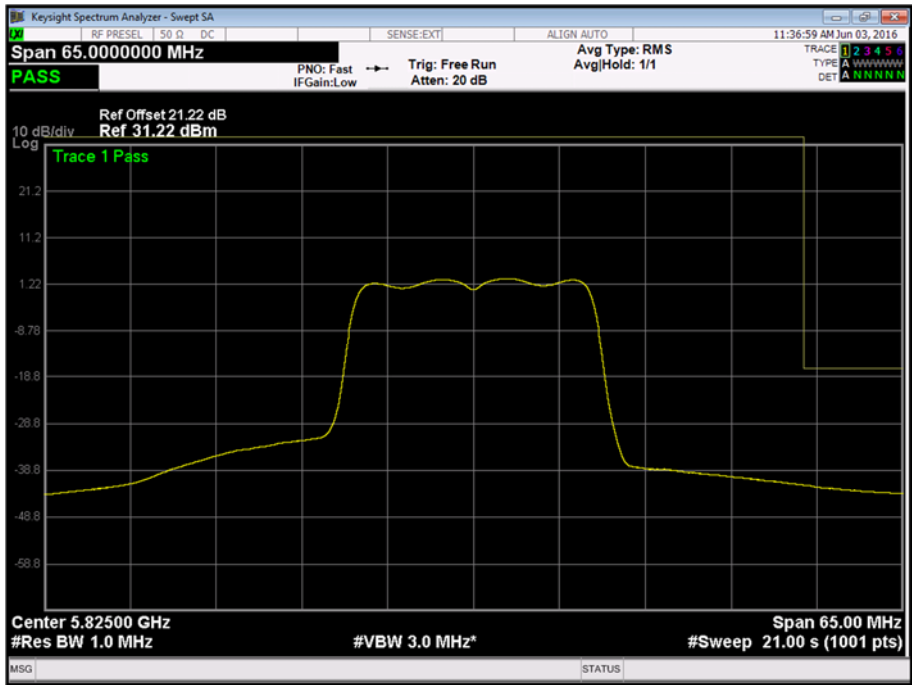
802.11ac 20 MHz Bandwidth, 5500 MHz, +70°C, 5.25 V DC, Frequency Band 3, Frequency Stability Plot



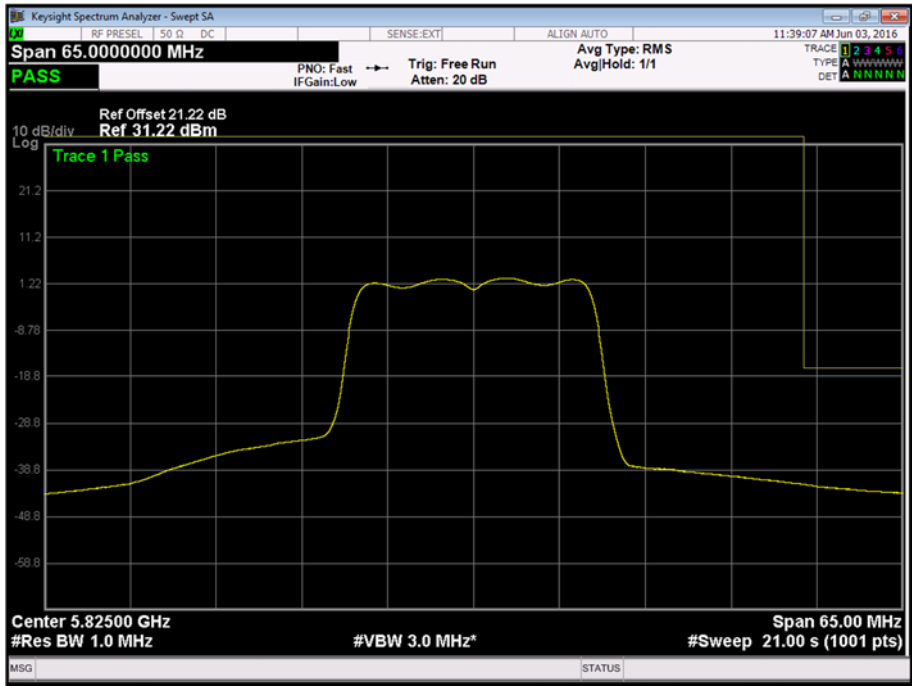


Product Service

802.11ac 20 MHz Bandwidth, 5825 MHz, 0°C, 4.75 V DC Frequency Band 4, Frequency Stability Plot



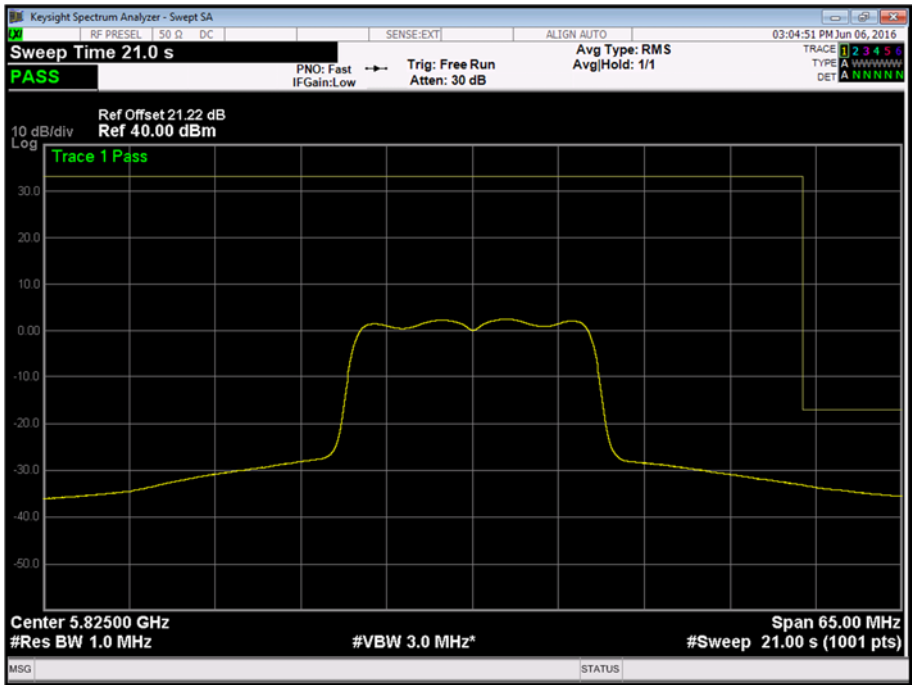
802.11ac 20 MHz Bandwidth, 5825 MHz, 0°C, 5.25 V DC, Frequency Band 4, Frequency Stability Plot



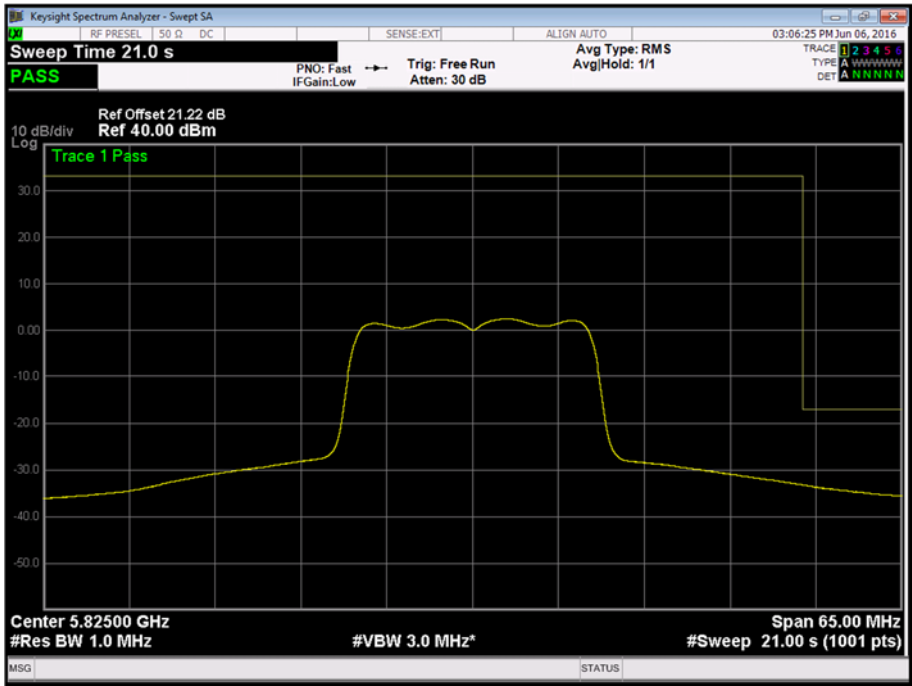


Product Service

802.11ac 20 MHz Bandwidth, 5825 MHz, +70°C, 4.75 V DC Frequency Band 4, Frequency Stability Plot



802.11ac 20 MHz Bandwidth, 5825 MHz, +70°C, 5.25 V DC, Frequency Band 4, Frequency Stability Plot





Product Service

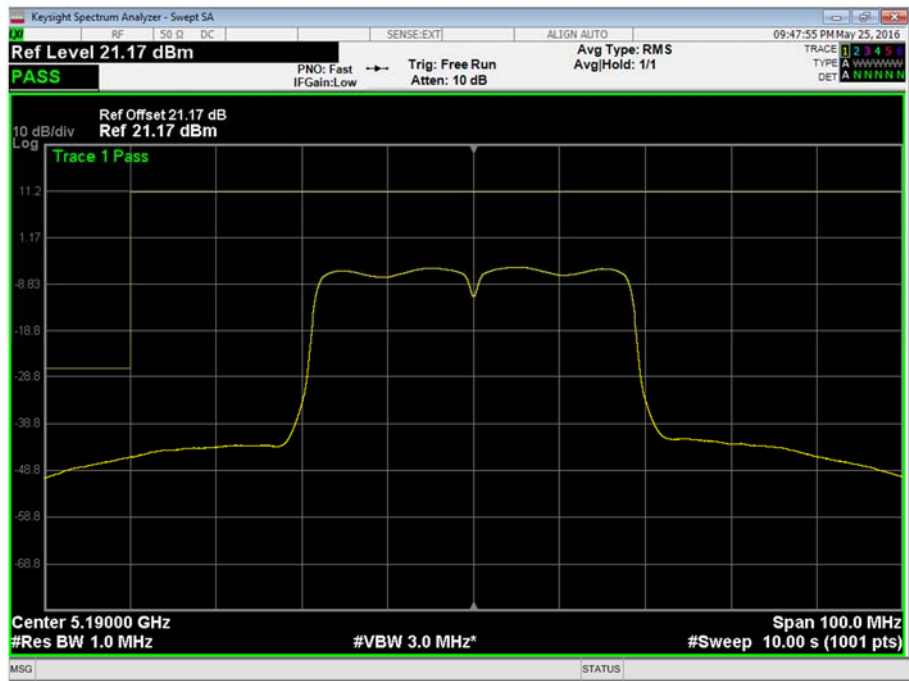
FCC 47 CFR Part 15, Limit Clause 15.407 (g)

Fundamental shall be maintained within the band of operation under all conditions of normal operations as specified in the user's manual.

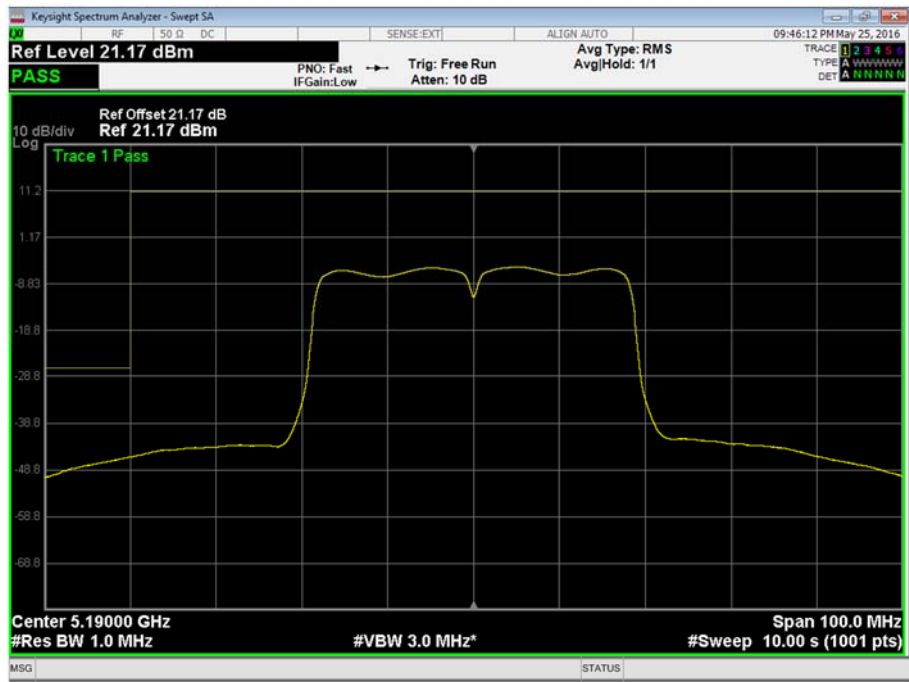


Product Service

802.11ac 40 MHz Bandwidth, 5190 MHz, 0°C, 4.75 V DC, Frequency Band 1, Frequency Stability Plot



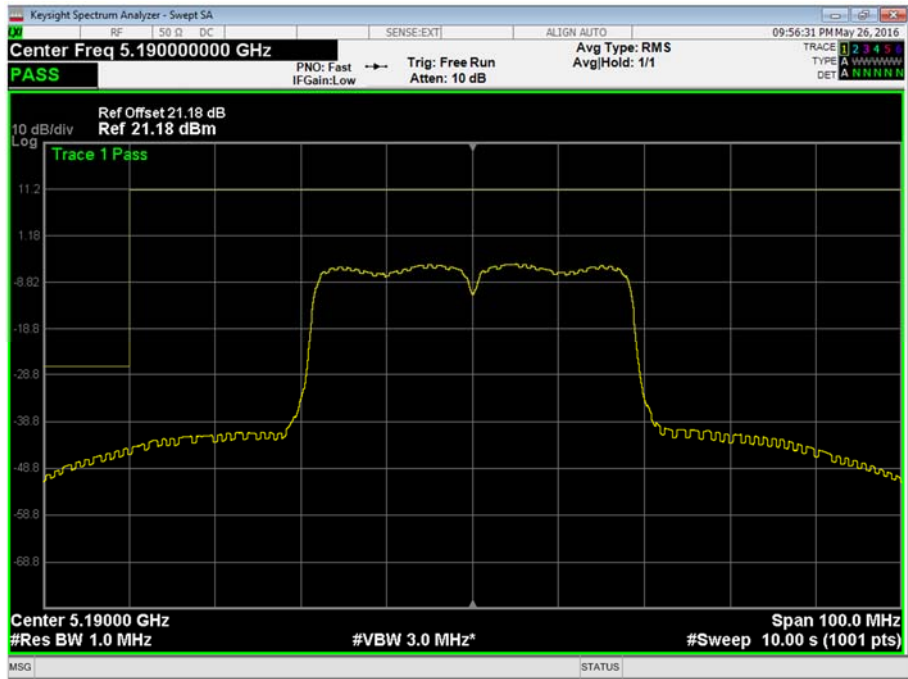
802.11ac 40 MHz Bandwidth, 5190 MHz, 0°C, 5.25 V DC, Frequency Band 1, Frequency Stability Plot



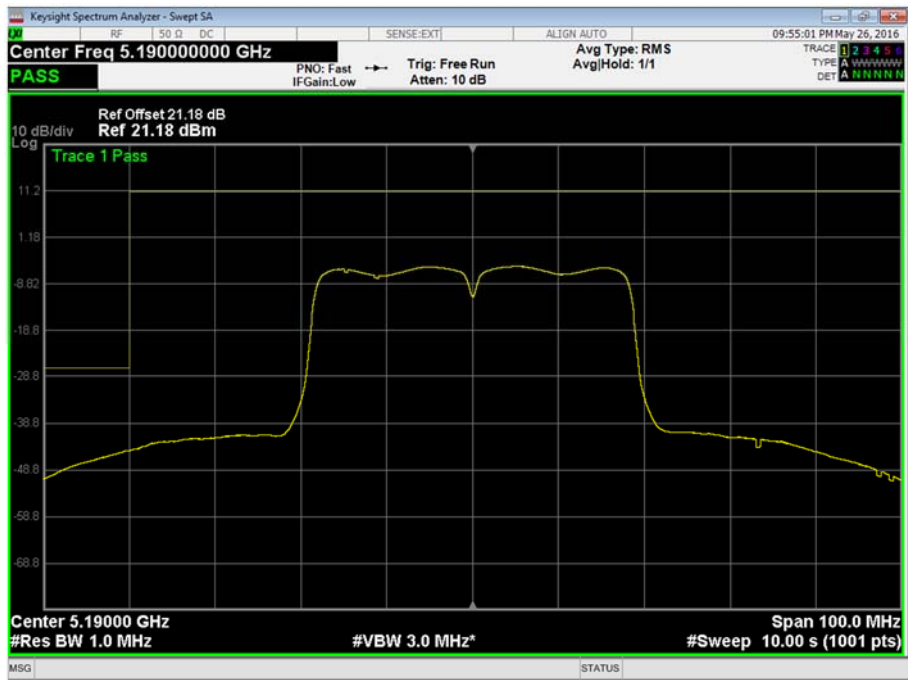


Product Service

802.11ac 40 MHz Bandwidth, 5190 MHz, +70°C, 4.75 V DC Frequency Band 1, Frequency Stability Plot

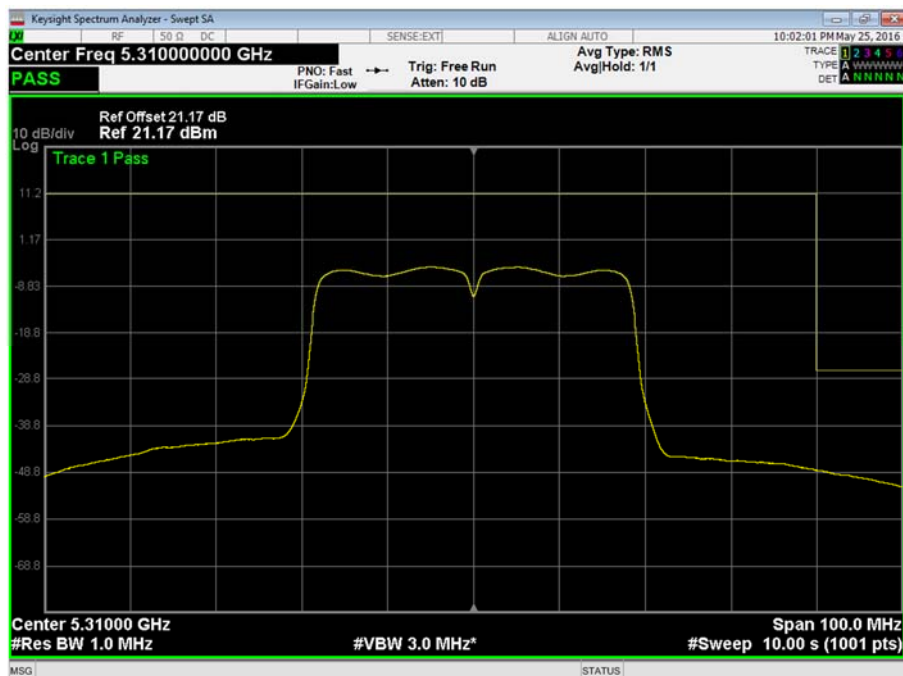


802.11ac 40 MHz Bandwidth, 5190 MHz, +70°C, 5.25 V DC, Frequency Band 1, Frequency Stability Plot



Product Service

802.11ac 40 MHz Bandwidth, 5310 MHz, 0°C, 4.75 V DC Frequency Band 2, Frequency Stability Plot



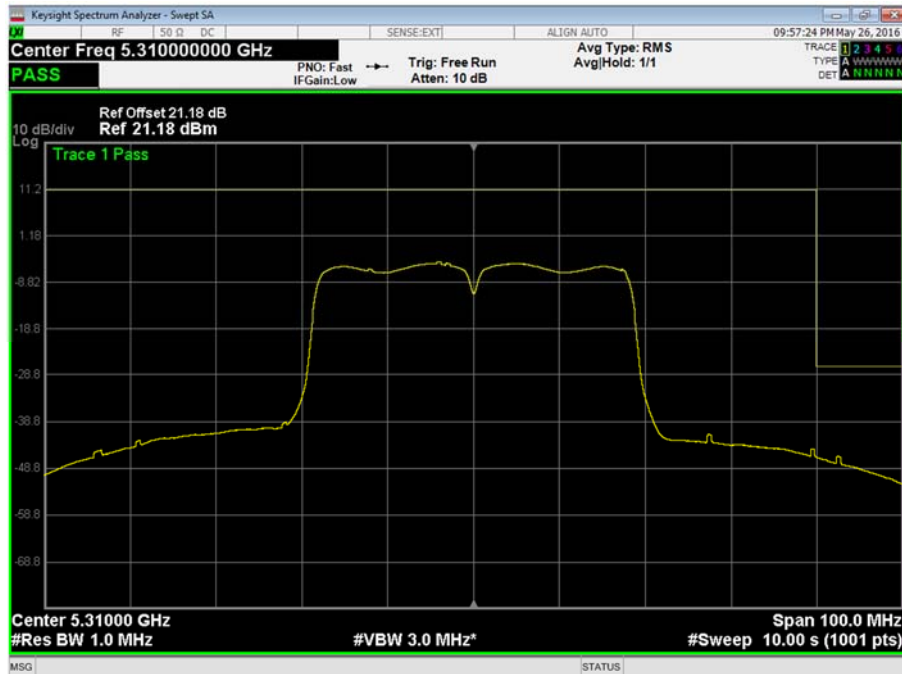
802.11ac 40 MHz Bandwidth, 5310 MHz, 0°C, 5.25 V DC, Frequency Band 2, Frequency Stability Plot



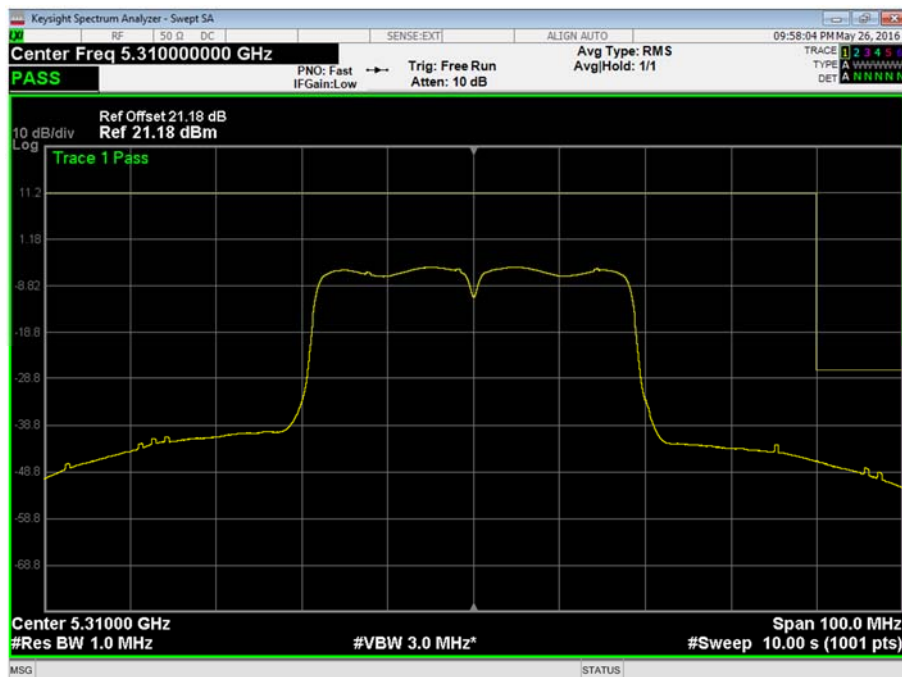


Product Service

802.11ac 40 MHz Bandwidth, 5310 MHz, +70°C, 4.75 V DC Frequency Band 2, Frequency Stability Plot



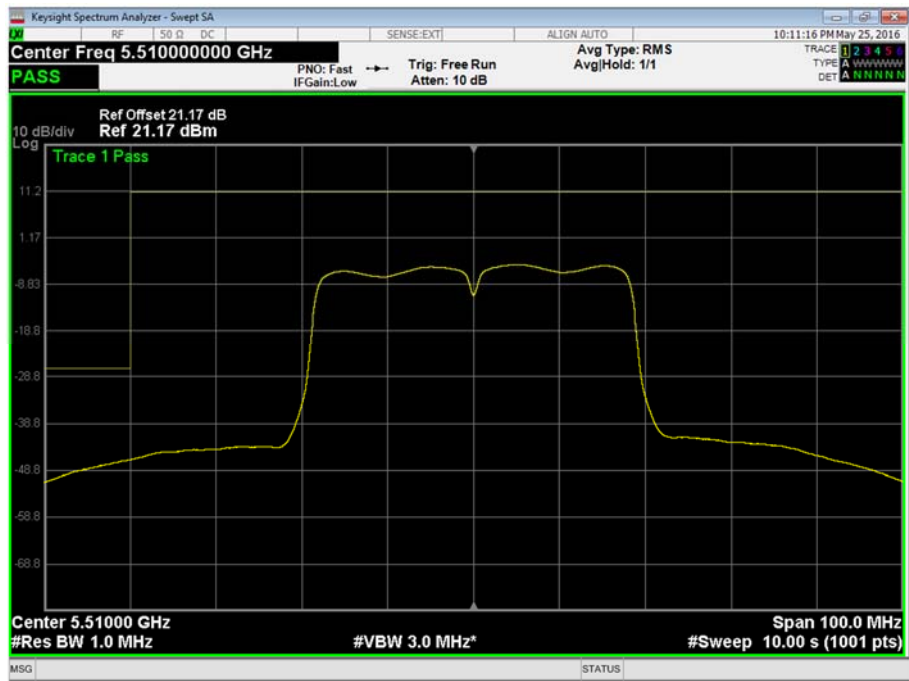
802.11ac 40 MHz Bandwidth, 5310 MHz, +70°C, 5.25 V DC, Frequency Band 2, Frequency Stability Plot



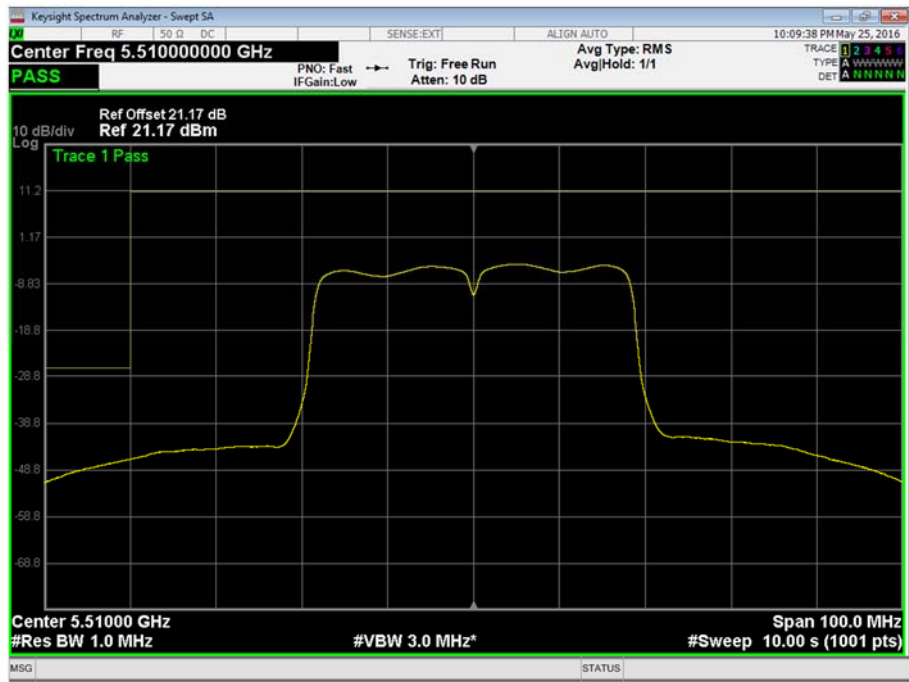


Product Service

802.11ac 40 MHz Bandwidth, 5510 MHz, 0°C, 4.75 V DC, Frequency Band 3, Frequency Stability Plot



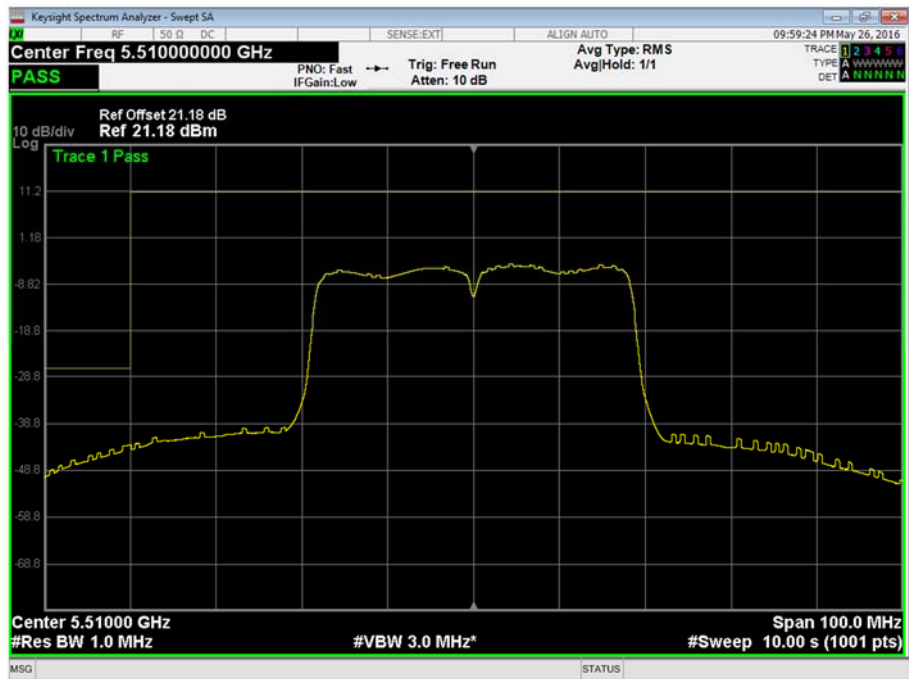
802.11ac 40 MHz Bandwidth, 5510 MHz, 0°C, 5.25 V DC, Frequency Band 3, Frequency Stability Plot



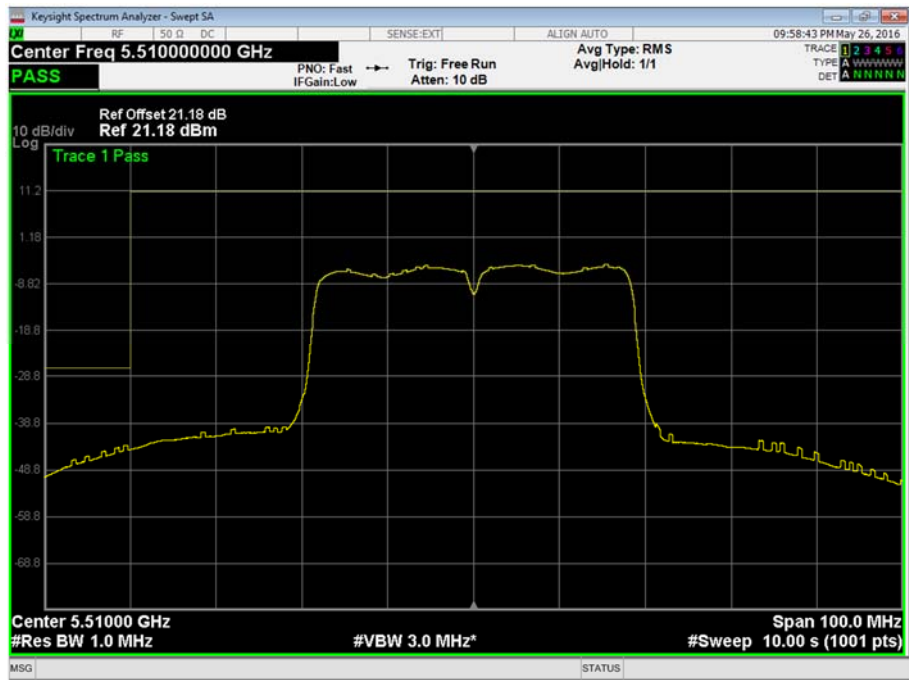


Product Service

802.11ac 40 MHz Bandwidth, 5510 MHz, +70°C, 4.75 V DC Frequency Band 3, Frequency Stability Plot



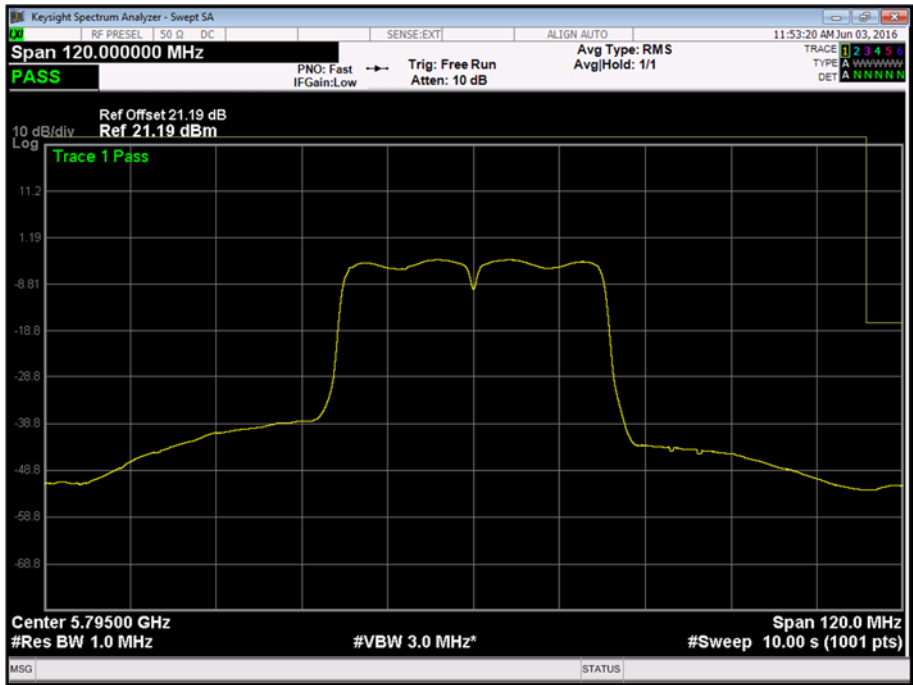
802.11ac 40 MHz Bandwidth, 5510 MHz, +70°C, 5.25 V DC, Frequency Band 3, Frequency Stability Plot



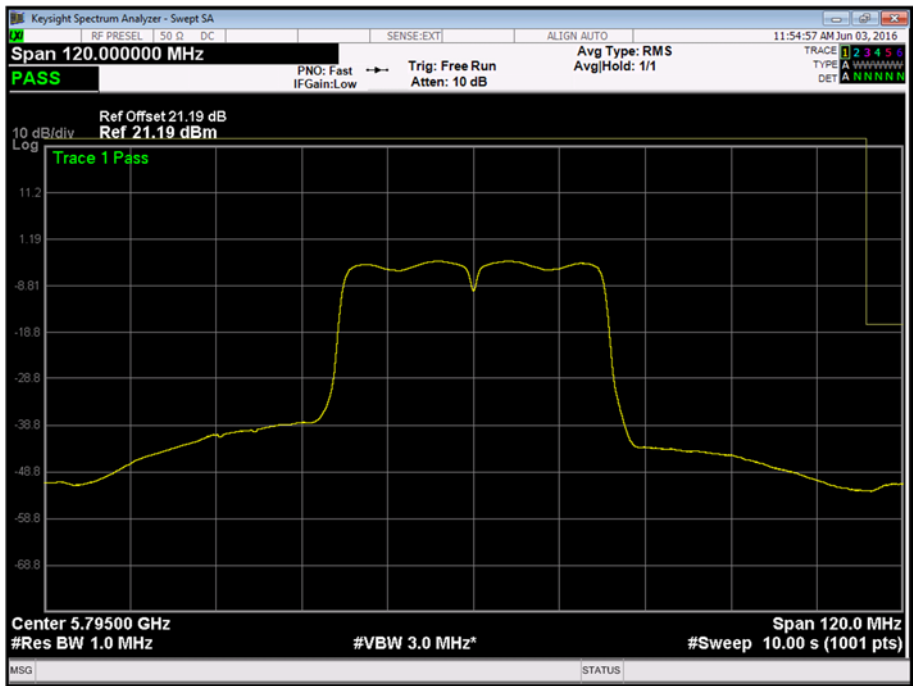


Product Service

802.11ac 40 MHz Bandwidth, 5795 MHz, 0°C, 4.75 V DC Frequency Band 4, Frequency Stability Plot



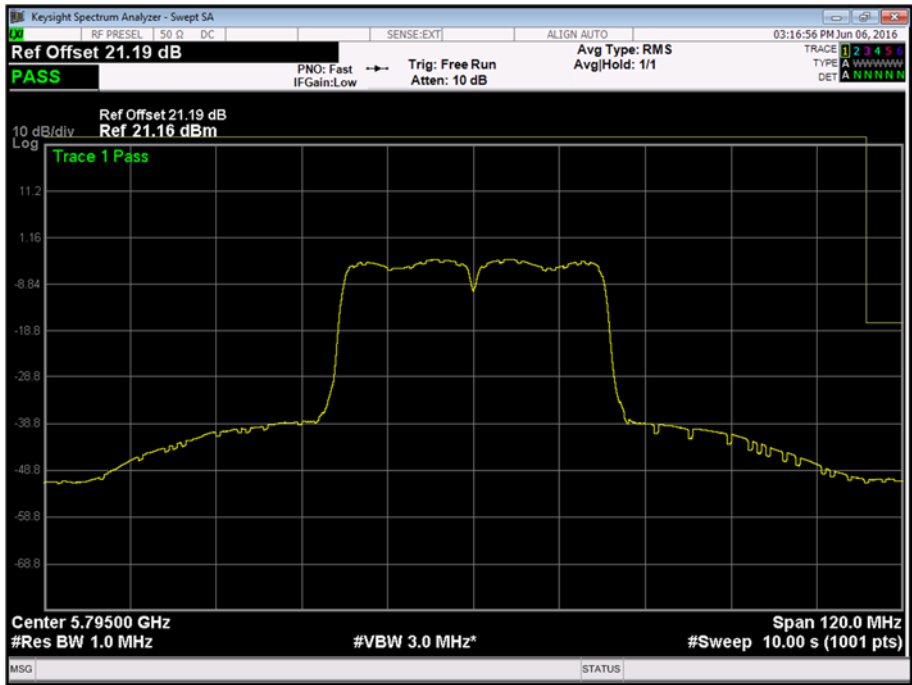
802.11ac 40 MHz Bandwidth, 5795 MHz, 0°C, 5.25 V DC, Frequency Band 4, Frequency Stability Plot





Product Service

802.11ac 40 MHz Bandwidth, 5795 MHz, +70°C, 4.75 V DC Frequency Band 4, Frequency Stability Plot



802.11ac 40 MHz Bandwidth, 5795 MHz, +70°C, 5.25 V DC, Frequency Band 4, Frequency Stability Plot

