Transmitter Band Edge Radiated Emissions (continued)

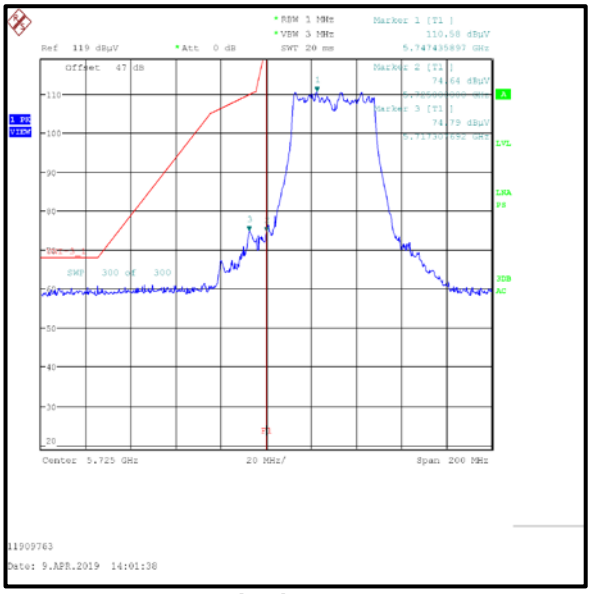
Results: 802.11ac / 40 MHz / MCS0 / MIMO / Port 1+2+3 / PWL 17 / 9 dBi Antenna Group

Results: CH151 / Lower Band Edge / Peak

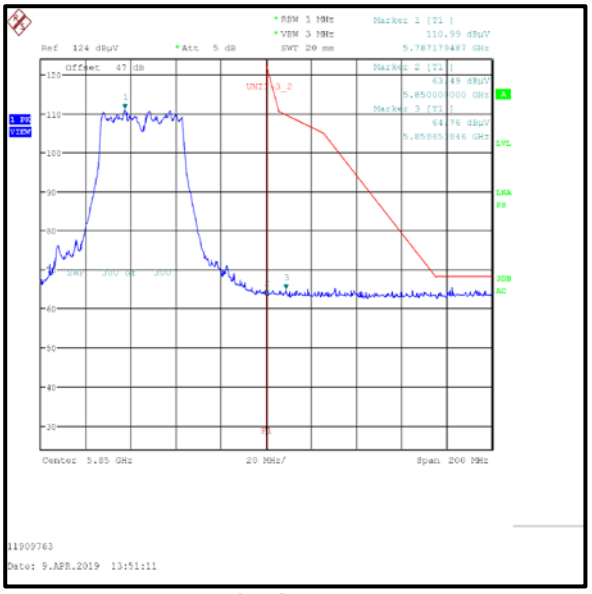
Frequency Range (MHz)	Frequency (MHz)	Peak Level (dBµV/m)	Limit Range (dBµV/m)	Margin (dB)	Result
F ≤ 5650	5650.00	60.75	68.2	7.45	Complied
5650 to 5700	--	--	68.2 to 105.2	--	Complied
5700 to 5720	--	--	105.2 to 110.8	--	Complied
5720 to 5725	5725.00	74.64	110.8 to 122.2	47.56	Complied

Results: CH159 / Upper Band Edge / Peak

Frequency Range (MHz)	Frequency (MHz)	Peak Level (dBµV/m)	Limit Range (dBµV/m)	Margin (dB)	Result
5850 to 5855	5850.00	63.49	122.2 to 110.8	58.71	Complied
5855 to 5875	--	--	110.8 to 105.2	--	Complied
5875 to 5925	--	--	105.2 to 68.2	--	Complied
F ≥ 5925	5932.50	64.95	68.2	3.25	Complied



Lower Band Edge Measurement



Upper Band Edge Measurement

Result: Pass

Transmitter Band Edge Radiated Emissions (continued)

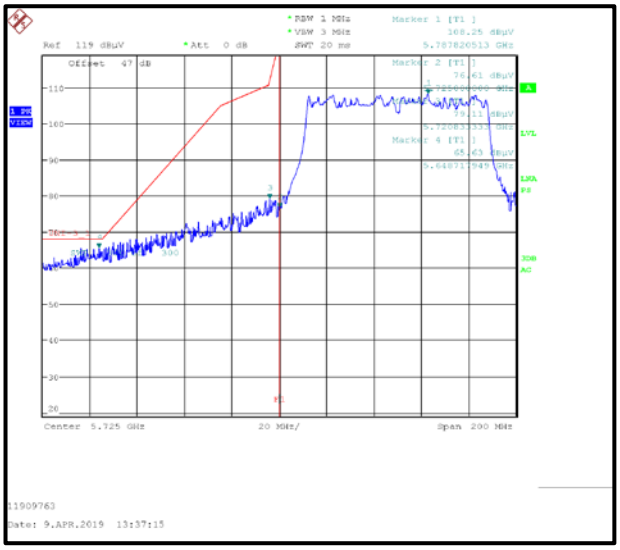
Results: 802.11ac / 80 MHz / MCS0 / MIMO / Port 1+2+3 / PWL 17 / 9 dBi Antenna Group

Results: CH155 / Lower Band Edge / Peak

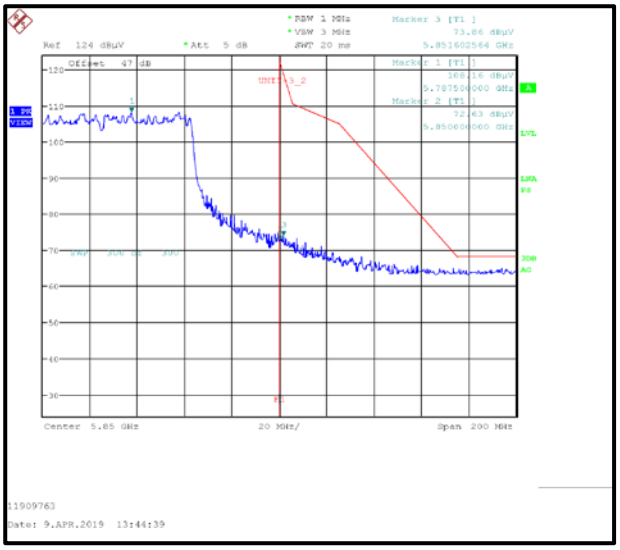
Frequency Range (MHz)	Frequency (MHz)	Peak Level (dBµV/m)	Limit Range (dBµV/m)	Margin (dB)	Result
F ≤ 5650	5648.71	65.63	68.2	2.57	Complied
5650 to 5700	--	--	68.2 to 105.2	--	Complied
5700 to 5720	--	--	105.2 to 110.8	--	Complied
5720 to 5725	5725.00	76.61	110.8 to 122.2	45.59	Complied

Results: CH155 / Upper Band Edge / Peak

Frequency Range (MHz)	Frequency (MHz)	Peak Level (dBµV/m)	Limit Range (dBµV/m)	Margin (dB)	Result
5850 to 5855	5850.00	72.63	122.2 to 110.8	49.57	Complied
5855 to 5875	--	--	110.8 to 105.2	--	Complied
5875 to 5925	--	--	105.2 to 68.2	--	Complied
F ≥ 5925	5950.00	63.75	68.2	4.45	Complied



Lower Band Edge Measurement



Upper Band Edge Measurement

Result: Pass

Transmitter Band Edge Radiated Emissions (continued)

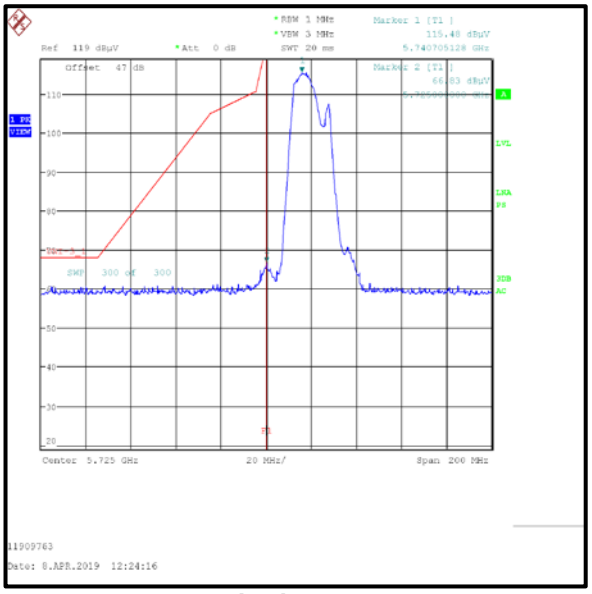
Results: 802.11a / 20 MHz / 6 Mbps / MIMO / Port 1+2+3+4 / PWL 16 / 9 dBi Antenna Group

Results: CH149 / Lower Band Edge / Peak

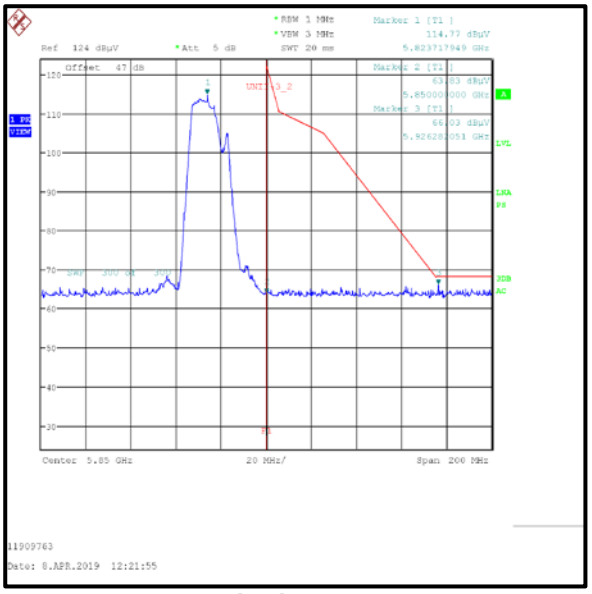
Frequency Range (MHz)	Frequency (MHz)	Peak Level (dBµV/m)	Limit Range (dBµV/m)	Margin (dB)	Result
F ≤ 5650	5642.00	60.20	68.2	8.00	Complied
5650 to 5700	--	--	68.2 to 105.2	--	Complied
5700 to 5720	--	--	105.2 to 110.8	--	Complied
5720 to 5725	5725.00	66.83	110.8 to 122.2	55.37	Complied

Results: CH165 / Upper Band Edge / Peak

Frequency Range (MHz)	Frequency (MHz)	Peak Level (dBµV/m)	Limit Range (dBµV/m)	Margin (dB)	Result
5850 to 5855	5850.00	63.83	122.2 to 110.8	58.37	Complied
5855 to 5875	--	--	110.8 to 105.2	--	Complied
5875 to 5925	--	--	105.2 to 68.2	--	Complied
F ≥ 5925	5926.28	66.03	68.2	2.17	Complied



Lower Band Edge Measurement



Upper Band Edge Measurement

Result: Pass

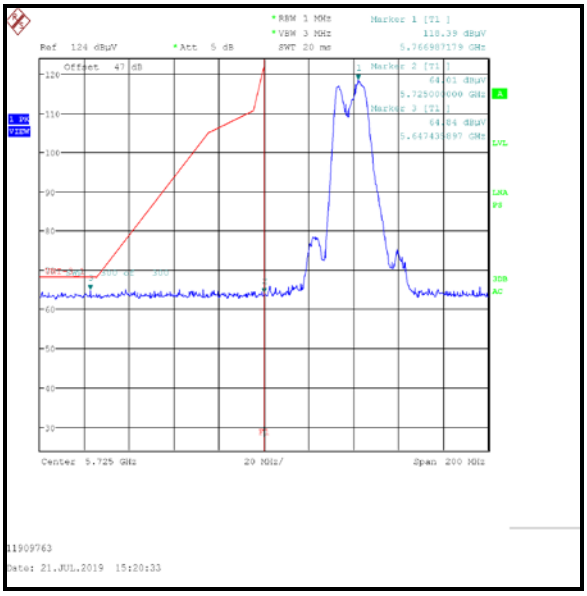
Results: 802.11a / 20 MHz / 6 Mbps / MIMO / Port 1+2+3+4 / PWL 21 / 9 dBi Antenna Group

Results: CH153 / Lower Band Edge / Peak

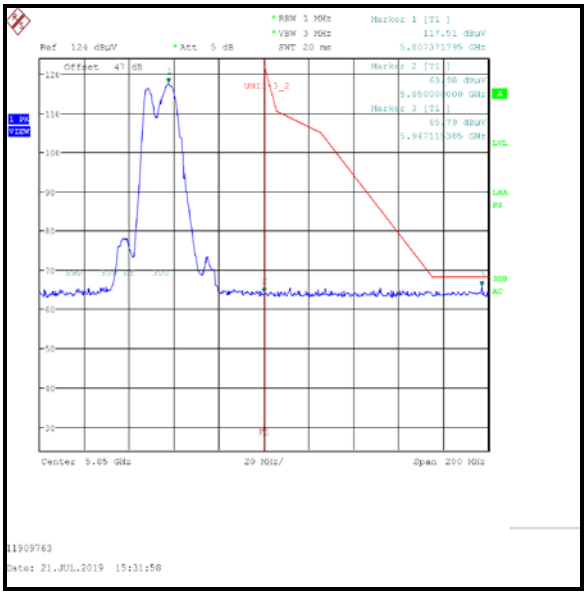
Frequency Range (MHz)	Frequency (MHz)	Peak Level (dBµV/m)	Limit Range (dBµV/m)	Margin (dB)	Result
F ≤ 5650	5647.43	64.84	68.2	3.36	Complied
5650 to 5700	--	--	68.2 to 105.2	--	Complied
5700 to 5720	--	--	105.2 to 110.8	--	Complied
5720 to 5725	5725.00	64.01	110.8 to 122.2	58.19	Complied

Results: CH161 / Upper Band Edge / Peak

Frequency Range (MHz)	Frequency (MHz)	Peak Level (dBµV/m)	Limit Range (dBµV/m)	Margin (dB)	Result
5850 to 5855	5850.00	63.98	122.2 to 110.8	58.22	Complied
5855 to 5875	--	--	110.8 to 105.2	--	Complied
5875 to 5925	--	--	105.2 to 68.2	--	Complied
F ≥ 5925	5947.11	65.79	68.2	2.41	Complied



Lower Band Edge Measurement



Upper Band Edge Measurement

Result: Pass

Transmitter Band Edge Radiated Emissions (continued)

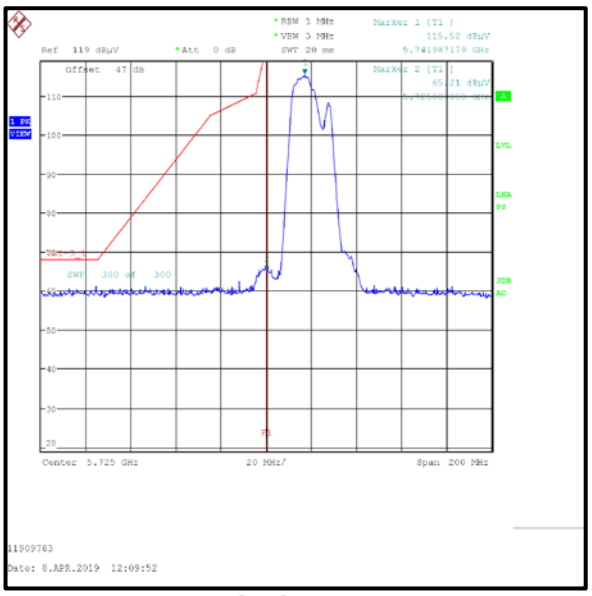
Results: 802.11n / 20 MHz / MCS0 / MIMO / Port 1+2+3+4 / PWL 16 / 9 dBi Antenna Group

Results: CH149 / Lower Band Edge / Peak

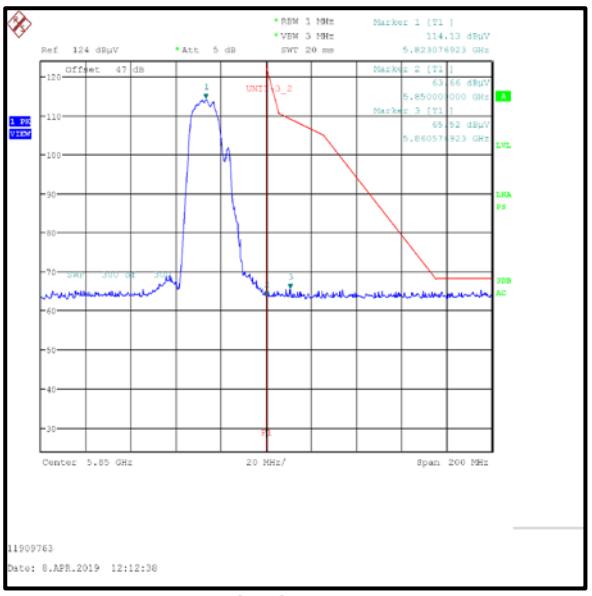
Frequency Range (MHz)	Frequency (MHz)	Peak Level (dBµV/m)	Limit Range (dBµV/m)	Margin (dB)	Result
F ≤ 5650	5650.00	60.45	68.2	7.75	Complied
5650 to 5700	--	--	68.2 to 105.2	--	Complied
5700 to 5720	--	--	105.2 to 110.8	--	Complied
5720 to 5725	5725.00	65.21	110.8 to 122.2	56.99	Complied

Results: CH165 / Upper Band Edge / Peak

Frequency Range (MHz)	Frequency (MHz)	Peak Level (dBµV/m)	Limit Range (dBµV/m)	Margin (dB)	Result
5850 to 5855	5850.00	63.66	122.2 to 110.8	58.54	Complied
5855 to 5875	--	--	110.8 to 105.2	--	Complied
5875 to 5925	--	--	105.2 to 68.2	--	Complied
F ≥ 5925	5943.00	65.30	68.2	2.90	Complied



Lower Band Edge Measurement



Upper Band Edge Measurement

Result: Pass

Transmitter Band Edge Radiated Emissions (continued)

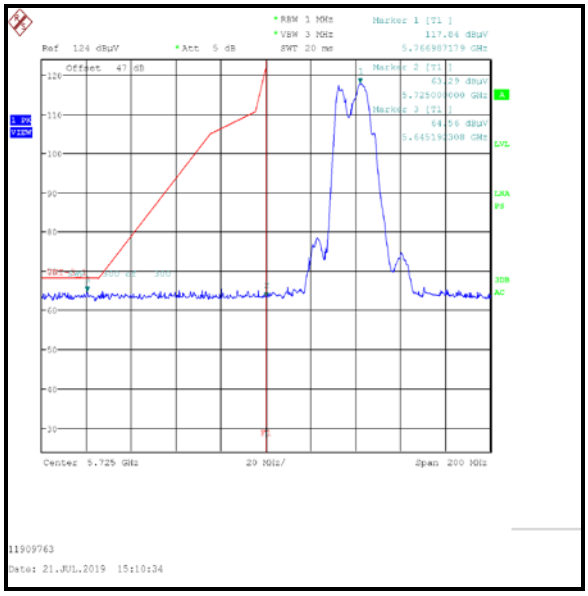
Results: 802.11n / 20 MHz / MCS0 / MIMO / Port 1+2+3+4 / PWL 21 / 9 dBi Antenna Group

Results: CH153 / Lower Band Edge / Peak

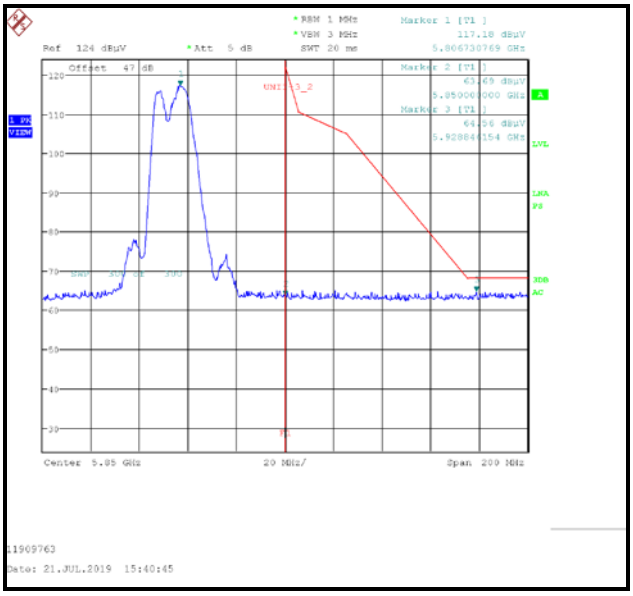
Frequency Range (MHz)	Frequency (MHz)	Peak Level (dBµV/m)	Limit Range (dBµV/m)	Margin (dB)	Result
F ≤ 5650	5645.19	64.56	68.2	3.64	Complied
5650 to 5700	--	--	68.2 to 105.2	--	Complied
5700 to 5720	--	--	105.2 to 110.8	--	Complied
5720 to 5725	5725.00	63.29	110.8 to 122.2	58.91	Complied

Results: CH161 / Upper Band Edge / Peak

Frequency Range (MHz)	Frequency (MHz)	Peak Level (dBµV/m)	Limit Range (dBµV/m)	Margin (dB)	Result
5850 to 5855	5850.00	63.69	122.2 to 110.8	58.51	Complied
5855 to 5875	--	--	110.8 to 105.2	--	Complied
5875 to 5925	--	--	105.2 to 68.2	--	Complied
F ≥ 5925	5928.84	64.56	68.2	3.64	Complied



Lower Band Edge Measurement



Upper Band Edge Measurement

Result: Pass

Transmitter Band Edge Radiated Emissions (continued)

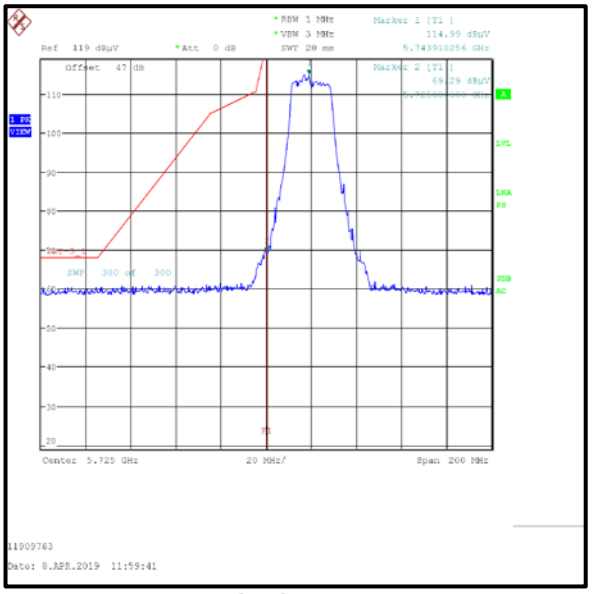
Results: 802.11ac / 20 MHz / MCS0 / MIMO / Port 1+2+3+4 / PWL 16 / 9 dBi Antenna Group

Results: CH149 / Lower Band Edge / Peak

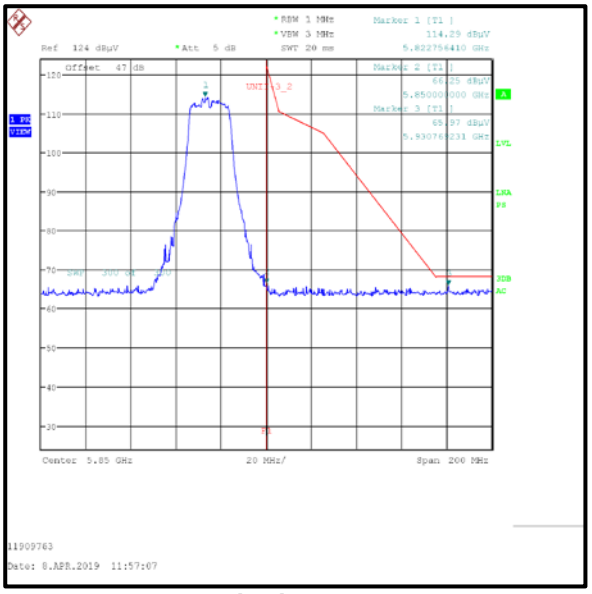
Frequency Range (MHz)	Frequency (MHz)	Peak Level (dBµV/m)	Limit Range (dBµV/m)	Margin (dB)	Result
F ≤ 5650	5635.00	60.15	68.2	8.05	Complied
5650 to 5700	--	--	68.2 to 105.2	--	Complied
5700 to 5720	--	--	105.2 to 110.8	--	Complied
5720 to 5725	5725.00	69.29	110.8 to 122.2	52.91	Complied

Results: CH165 / Upper Band Edge / Peak

Frequency Range (MHz)	Frequency (MHz)	Peak Level (dBµV/m)	Limit Range (dBµV/m)	Margin (dB)	Result
5850 to 5855	5850.00	66.25	122.2 to 110.8	55.95	Complied
5855 to 5875	--	--	110.8 to 105.2	--	Complied
5875 to 5925	--	--	105.2 to 68.2	--	Complied
F ≥ 5925	5930.76	65.97	68.2	2.23	Complied



Lower Band Edge Measurement



Upper Band Edge Measurement

Result: Pass

Transmitter Band Edge Radiated Emissions (continued)

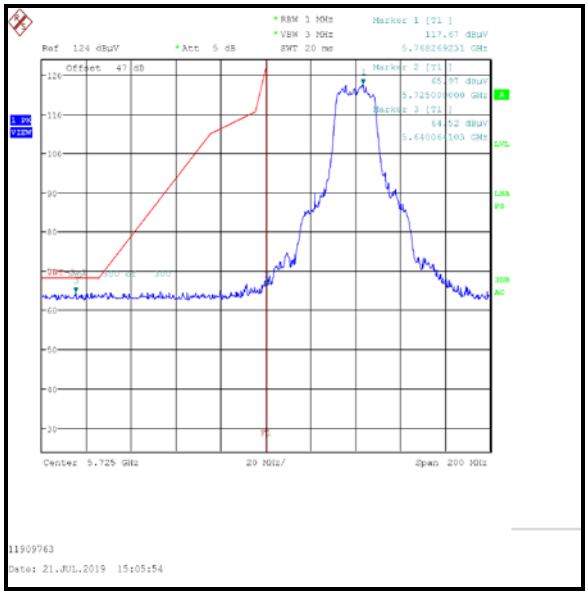
Results: 802.11ac / 20 MHz / MCS0 / MIMO / Port 1+2+3+4 / PWL 21 / 9 dBi Antenna Group

Results: CH153 / Lower Band Edge / Peak

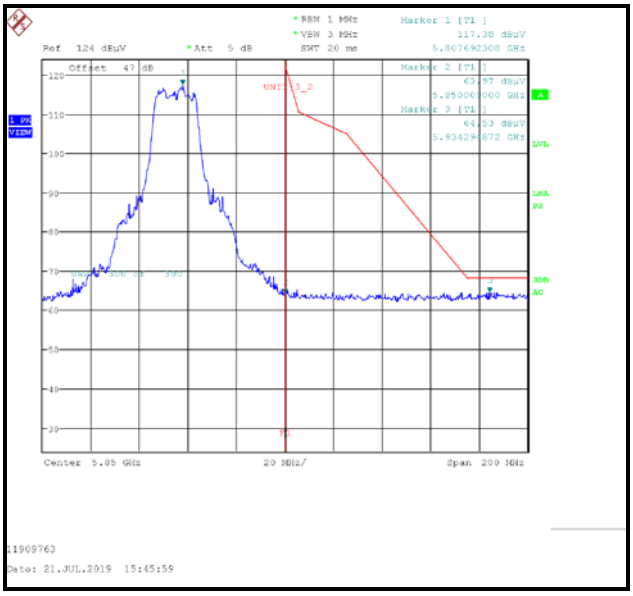
Frequency Range (MHz)	Frequency (MHz)	Peak Level (dBµV/m)	Limit Range (dBµV/m)	Margin (dB)	Result
F ≤ 5650	5640.06	64.52	68.2	3.68	Complied
5650 to 5700	--	--	68.2 to 105.2	--	Complied
5700 to 5720	--	--	105.2 to 110.8	--	Complied
5720 to 5725	5725.00	65.97	110.8 to 122.2	56.23	Complied

Results: CH161 / Upper Band Edge / Peak

Frequency Range (MHz)	Frequency (MHz)	Peak Level (dBµV/m)	Limit Range (dBµV/m)	Margin (dB)	Result
5850 to 5855	5850.00	63.97	122.2 to 110.8	58.23	Complied
5855 to 5875	--	--	110.8 to 105.2	--	Complied
5875 to 5925	--	--	105.2 to 68.2	--	Complied
F ≥ 5925	5934.29	64.53	68.2	3.67	Complied



Lower Band Edge Measurement



Upper Band Edge Measurement

Result: Pass

Transmitter Band Edge Radiated Emissions (continued)

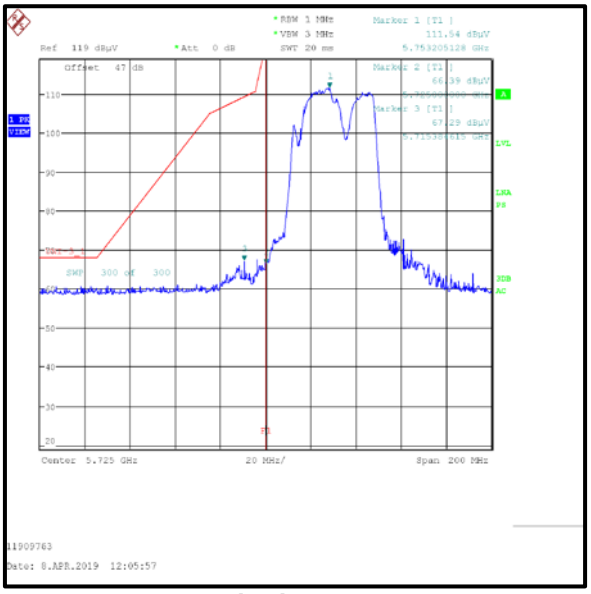
Results: 802.11n / 40 MHz / MCS0 / MIMO / Port 1+2+3+4 / PWL 16 / 9 dBi Antenna Group

Results: CH151 / Lower Band Edge / Peak

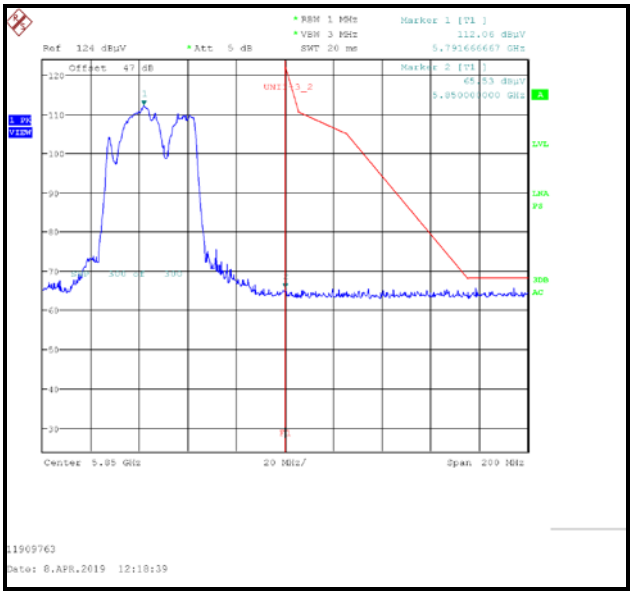
Frequency Range (MHz)	Frequency (MHz)	Peak Level (dBµV/m)	Limit Range (dBµV/m)	Margin (dB)	Result
F ≤ 5650	5642.00	60.30	68.2	7.90	Complied
5650 to 5700	--	--	68.2 to 105.2	--	Complied
5700 to 5720	--	--	105.2 to 110.8	--	Complied
5720 to 5725	5725.00	66.39	110.8 to 122.2	55.81	Complied

Results: CH159 / Upper Band Edge / Peak

Frequency Range (MHz)	Frequency (MHz)	Peak Level (dBµV/m)	Limit Range (dBµV/m)	Margin (dB)	Result
5850 to 5855	5850.00	65.53	122.2 to 110.8	56.67	Complied
5855 to 5875	--	--	110.8 to 105.2	--	Complied
5875 to 5925	--	--	105.2 to 68.2	--	Complied
F ≥ 5925	5928.00	65.65	68.2	2.55	Complied



Lower Band Edge Measurement



Upper Band Edge Measurement

Result: Pass

Transmitter Band Edge Radiated Emissions (continued)

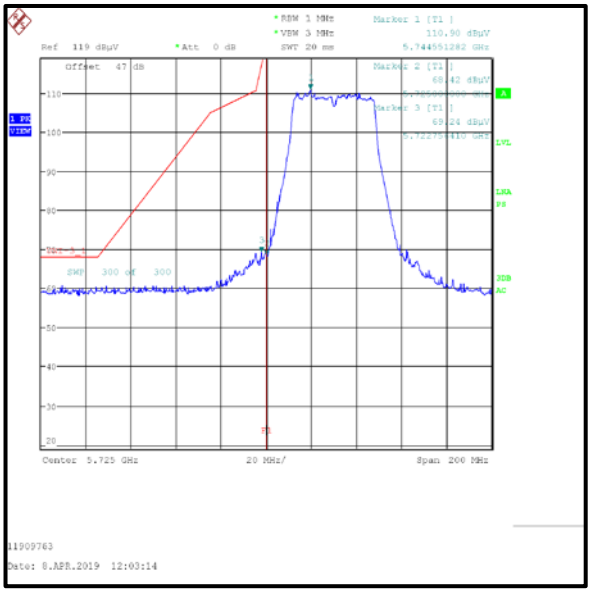
Results: 802.11ac / 40 MHz / MCS0 / MIMO / Port 1+2+3+4 / PWL 16 / 9 dBi Antenna Group

Results: CH151 / Lower Band Edge / Peak

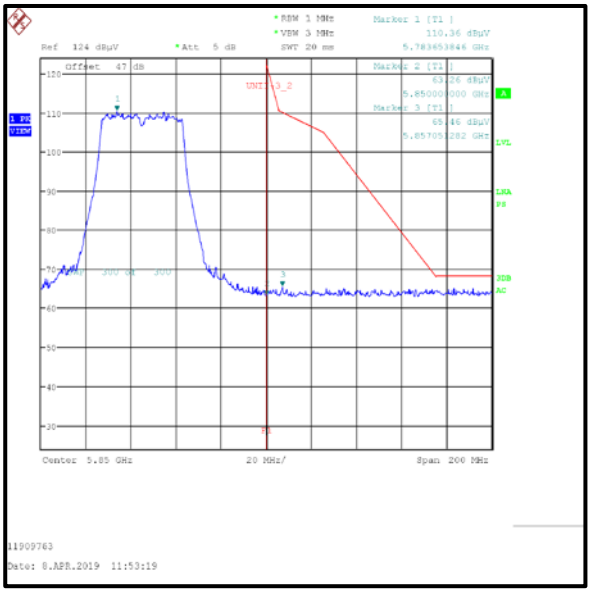
Frequency Range (MHz)	Frequency (MHz)	Peak Level (dBµV/m)	Limit Range (dBµV/m)	Margin (dB)	Result
F ≤ 5650	5633.00	60.45	68.2	7.75	Complied
5650 to 5700	--	--	68.2 to 105.2	--	Complied
5700 to 5720	--	--	105.2 to 110.8	--	Complied
5720 to 5725	5725.00	68.42	110.8 to 122.2	53.78	Complied

Results: CH159 / Upper Band Edge / Peak

Frequency Range (MHz)	Frequency (MHz)	Peak Level (dBµV/m)	Limit Range (dBµV/m)	Margin (dB)	Result
5850 to 5855	5850.00	63.26	122.2 to 110.8	58.94	Complied
5855 to 5875	--	--	110.8 to 105.2	--	Complied
5875 to 5925	--	--	105.2 to 68.2	--	Complied
F ≥ 5925	5932.00	64.50	68.2	3.70	Complied



Lower Band Edge Measurement



Upper Band Edge Measurement

Result: Pass

Transmitter Band Edge Radiated Emissions (continued)

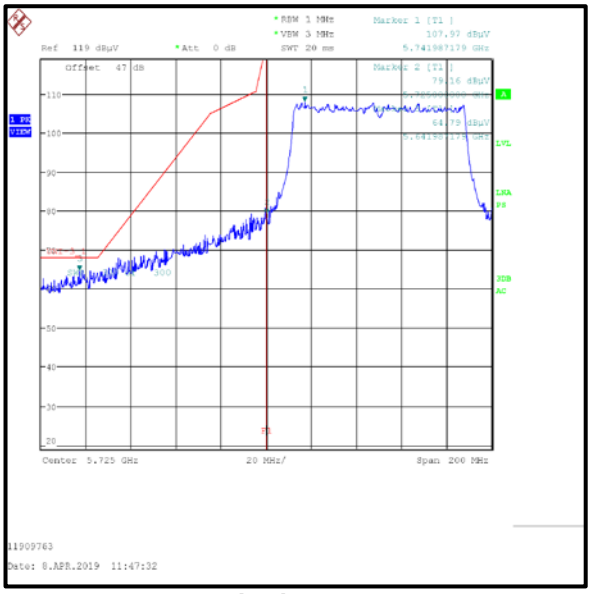
Results: 802.11ac / 80 MHz / MCS0 / MIMO / Port 1+2+3+4 / PWL 16 / 9 dBi Antenna Group

Results: CH155 / Lower Band Edge / Peak

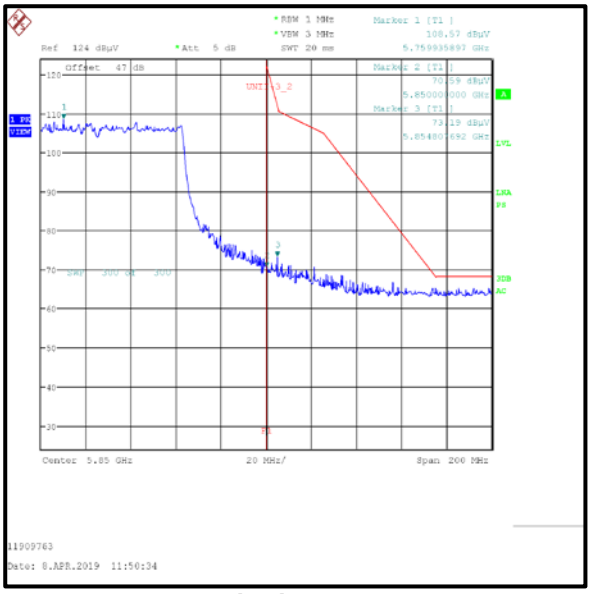
Frequency Range (MHz)	Frequency (MHz)	Peak Level (dBµV/m)	Limit Range (dBµV/m)	Margin (dB)	Result
F ≤ 5650	5641.98	64.79	68.2	3.41	Complied
5650 to 5700	--	--	68.2 to 105.2	--	Complied
5700 to 5720	--	--	105.2 to 110.8	--	Complied
5720 to 5725	5725.00	79.16	110.8 to 122.2	43.04	Complied

Results: CH155 / Upper Band Edge / Peak

Frequency Range (MHz)	Frequency (MHz)	Peak Level (dBµV/m)	Limit Range (dBµV/m)	Margin (dB)	Result
5850 to 5855	5850.00	70.59	122.2 to 110.8	51.61	Complied
5855 to 5875	--	--	110.8 to 105.2	--	Complied
5875 to 5925	--	--	105.2 to 68.2	--	Complied
F ≥ 5925	5925.50	64.20	68.2	4.00	Complied



Lower Band Edge Measurement



Upper Band Edge Measurement

Result: Pass

23 dBi Antenna Group

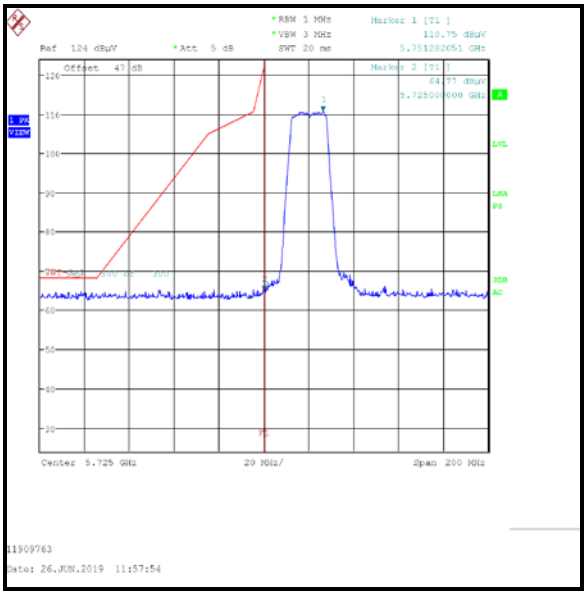
Results: 802.11a / 20 MHz / 6 Mbps / SISO / Port 1 / PWL 11 / 23 dBi Antenna Group

Results: CH149 / Lower Band Edge / Peak

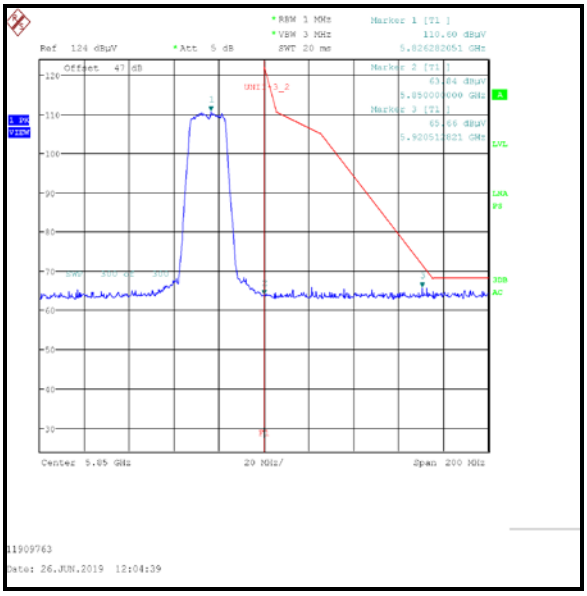
Frequency Range (MHz)	Frequency (MHz)	Peak Level (dBµV/m)	Limit Range (dBµV/m)	Margin (dB)	Result
F ≤ 5650	5642.50	64.75	68.2	3.45	Complied
5650 to 5700	--	--	68.2 to 105.2	--	Complied
5700 to 5720	--	--	105.2 to 110.8	--	Complied
5720 to 5725	5725.00	64.77	110.8 to 122.2	57.43	Complied

Results: CH165 / Upper Band Edge / Peak

Frequency Range (MHz)	Frequency (MHz)	Peak Level (dBµV/m)	Limit Range (dBµV/m)	Margin (dB)	Result
5850 to 5855	5850.00	63.84	122.2 to 110.8	58.36	Complied
5855 to 5875	--	--	110.8 to 105.2	--	Complied
5875 to 5925	--	--	105.2 to 68.2	--	Complied
F ≥ 5925	5935.00	64.35	68.2	3.85	Complied



Lower Band Edge Measurement



Upper Band Edge Measurement

Result: Pass

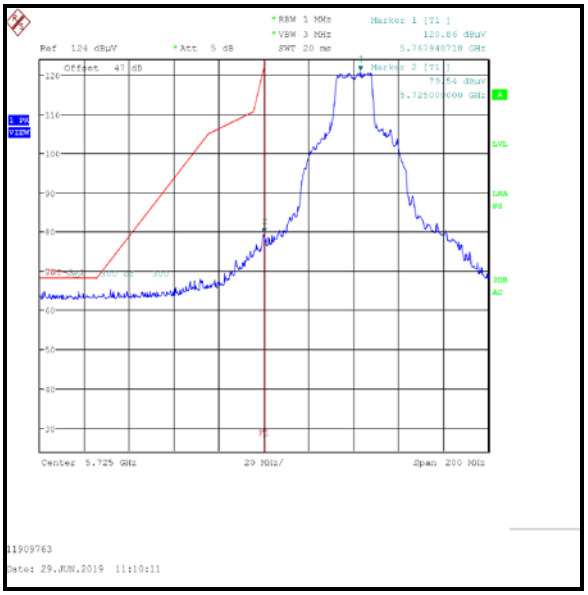
Results: 802.11a / 20 MHz / 6 Mbps / SISO / Port 1 / PWL 26 / 23 dBi Antenna Group

Results: CH153 / Lower Band Edge / Peak

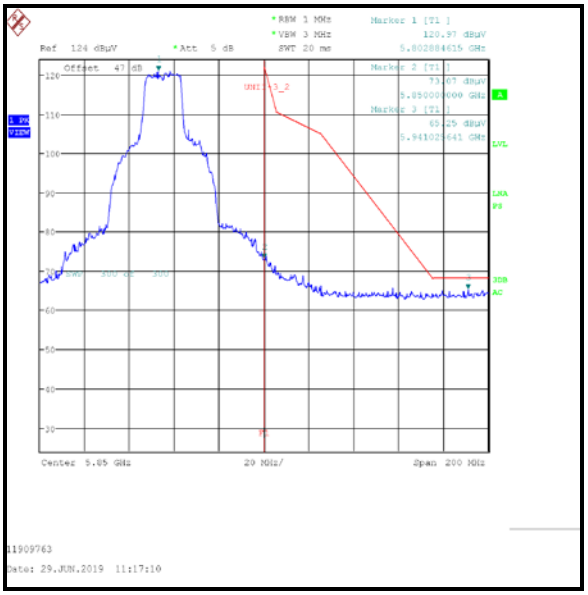
Frequency Range (MHz)	Frequency (MHz)	Peak Level (dBµV/m)	Limit Range (dBµV/m)	Margin (dB)	Result
F ≤ 5650	5642.00	63.50	68.2	4.70	Complied
5650 to 5700	--	--	68.2 to 105.2	--	Complied
5700 to 5720	--	--	105.2 to 110.8	--	Complied
5720 to 5725	5725.00	79.54	110.8 to 122.2	42.66	Complied

Results: CH161 / Upper Band Edge / Peak

Frequency Range (MHz)	Frequency (MHz)	Peak Level (dBµV/m)	Limit Range (dBµV/m)	Margin (dB)	Result
5850 to 5855	5850.00	73.07	122.2 to 110.8	49.13	Complied
5855 to 5875	--	--	110.8 to 105.2	--	Complied
5875 to 5925	--	--	105.2 to 68.2	--	Complied
F ≥ 5925	5941.02	65.25	68.2	2.95	Complied



Lower Band Edge Measurement



Upper Band Edge Measurement

Result: Pass

Transmitter Band Edge Radiated Emissions (continued)

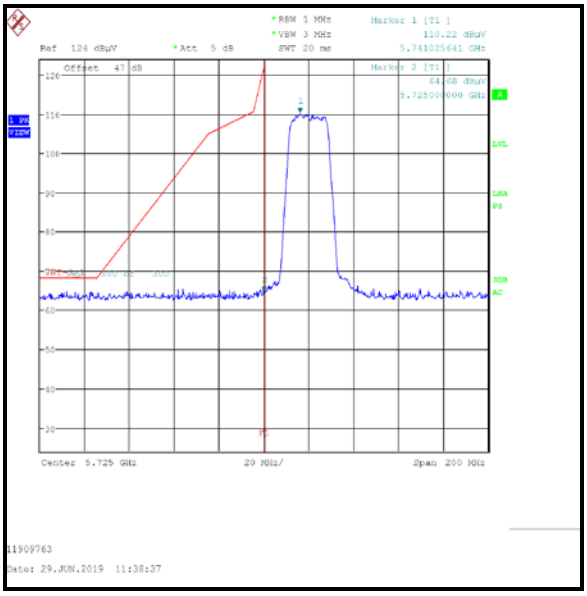
Results: 802.11n / 20 MHz / MCS0 / SISO / Port 1 / PWL 11 / 23 dBi Antenna Group

Results: CH149 / Lower Band Edge / Peak

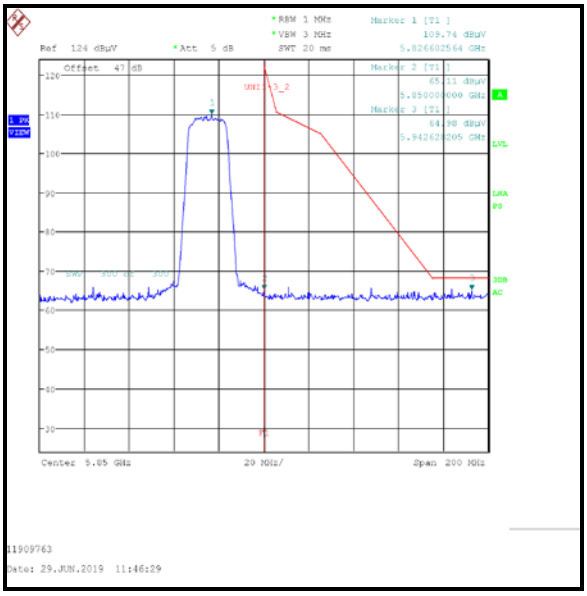
Frequency Range (MHz)	Frequency (MHz)	Peak Level (dBµV/m)	Limit Range (dBµV/m)	Margin (dB)	Result
F ≤ 5650	5635.00	63.75	68.2	4.45	Complied
5650 to 5700	--	--	68.2 to 105.2	--	Complied
5700 to 5720	--	--	105.2 to 110.8	--	Complied
5720 to 5725	5725.00	64.68	110.8 to 122.2	57.52	Complied

Results: CH165 / Upper Band Edge / Peak

Frequency Range (MHz)	Frequency (MHz)	Peak Level (dBµV/m)	Limit Range (dBµV/m)	Margin (dB)	Result
5850 to 5855	5850.00	65.11	122.2 to 110.8	57.09	Complied
5855 to 5875	--	--	110.8 to 105.2	--	Complied
5875 to 5925	--	--	105.2 to 68.2	--	Complied
F ≥ 5925	5942.62	64.98	68.2	3.22	Complied



Lower Band Edge Measurement



Upper Band Edge Measurement

Result: Pass

Transmitter Band Edge Radiated Emissions (continued)

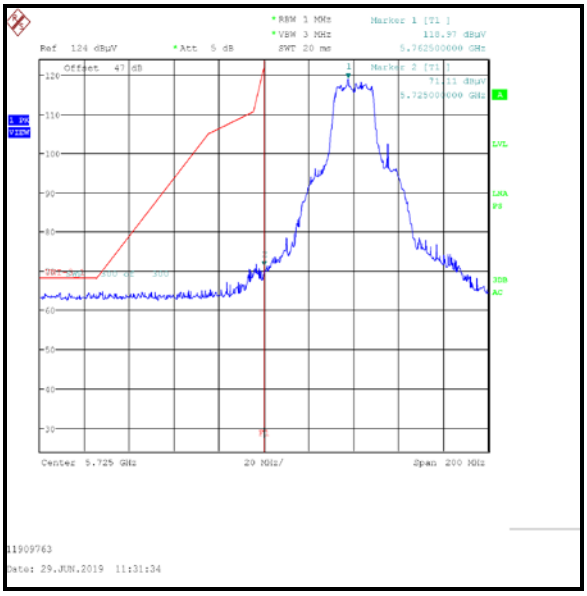
Results: 802.11n / 20 MHz / MCS0 / SISO / Port 1 / PWL 26 / 23 dBi Antenna Group

Results: CH153 / Lower Band Edge / Peak

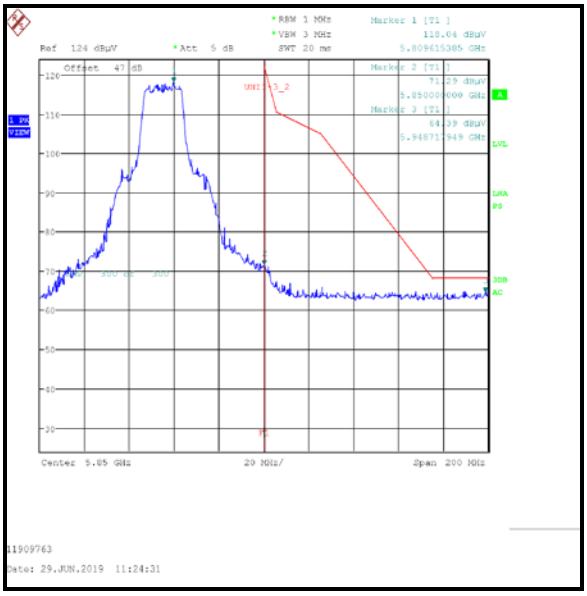
Frequency Range (MHz)	Frequency (MHz)	Peak Level (dBµV/m)	Limit Range (dBµV/m)	Margin (dB)	Result
F ≤ 5650	5648.00	63.75	68.2	4.45	Complied
5650 to 5700	--	--	68.2 to 105.2	--	Complied
5700 to 5720	--	--	105.2 to 110.8	--	Complied
5720 to 5725	5725.00	71.11	110.8 to 122.2	51.09	Complied

Results: CH161 / Upper Band Edge / Peak

Frequency Range (MHz)	Frequency (MHz)	Peak Level (dBµV/m)	Limit Range (dBµV/m)	Margin (dB)	Result
5850 to 5855	5850.00	71.29	122.2 to 110.8	50.91	Complied
5855 to 5875	--	--	110.8 to 105.2	--	Complied
5875 to 5925	--	--	105.2 to 68.2	--	Complied
F ≥ 5925	5948.71	64.39	68.2	3.81	Complied



Lower Band Edge Measurement



Upper Band Edge Measurement

Result: Pass

Transmitter Band Edge Radiated Emissions (continued)

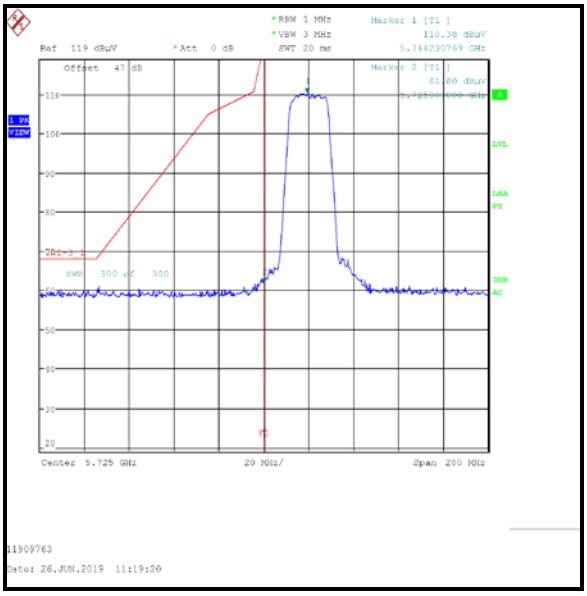
Results: 802.11ac / 20 MHz / MCS0 / SISO / Port 1 / PWL 11 / 23 dBi Antenna Group

Results: CH149 / Lower Band Edge / Peak

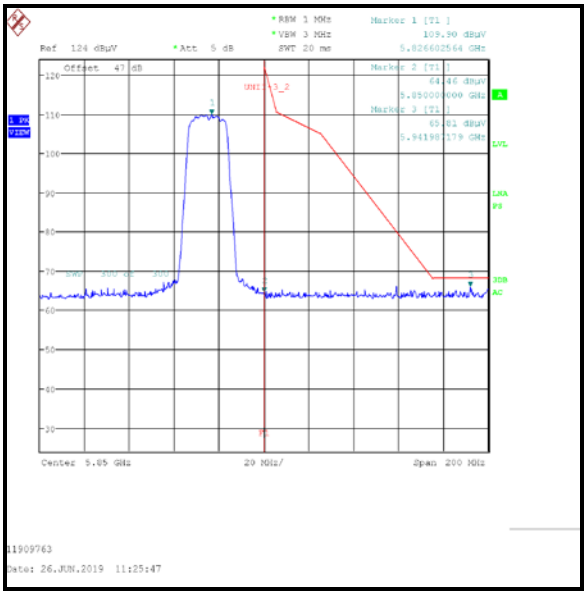
Frequency Range (MHz)	Frequency (MHz)	Peak Level (dBµV/m)	Limit Range (dBµV/m)	Margin (dB)	Result
F ≤ 5650	5648.00	60.05	68.2	8.15	Complied
5650 to 5700	--	--	68.2 to 105.2	--	Complied
5700 to 5720	--	--	105.2 to 110.8	--	Complied
5720 to 5725	5725.00	61.80	110.8 to 122.2	60.40	Complied

Results: CH165/ Upper Band Edge / Peak

Frequency Range (MHz)	Frequency (MHz)	Peak Level (dBµV/m)	Limit Range (dBµV/m)	Margin (dB)	Result
5850 to 5855	5850.00	64.46	122.2 to 110.8	57.74	Complied
5855 to 5875	--	--	110.8 to 105.2	--	Complied
5875 to 5925	--	--	105.2 to 68.2	--	Complied
F ≥ 5925	5941.98	65.81	68.2	2.39	Complied



Lower Band Edge Measurement



Upper Band Edge Measurement

Result: Pass

Transmitter Band Edge Radiated Emissions (continued)

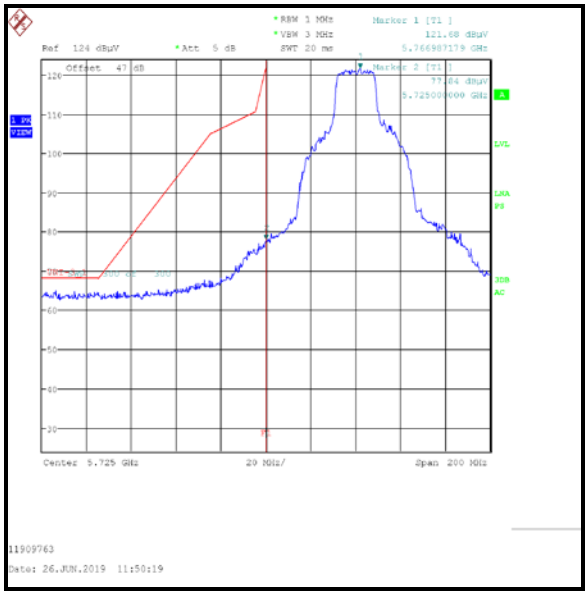
Results: 802.11ac / 20 MHz / MCS0 / SISO / Port 1 / PWL 11 / 23 dBi Antenna Group

Results: CH153 / Lower Band Edge / Peak

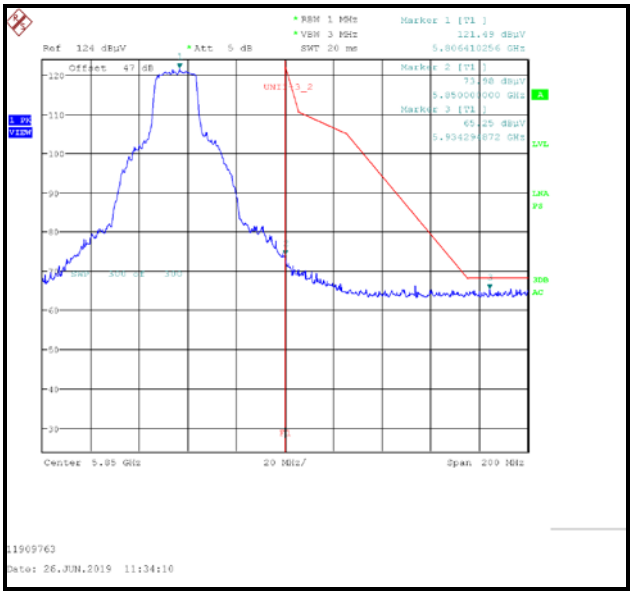
Frequency Range (MHz)	Frequency (MHz)	Peak Level (dBµV/m)	Limit Range (dBµV/m)	Margin (dB)	Result
F ≤ 5650	5638.00	60.05	68.2	8.15	Complied
5650 to 5700	--	--	68.2 to 105.2	--	Complied
5700 to 5720	--	--	105.2 to 110.8	--	Complied
5720 to 5725	5725.00	77.84	110.8 to 122.2	44.36	Complied

Results: CH161/ Upper Band Edge / Peak

Frequency Range (MHz)	Frequency (MHz)	Peak Level (dBµV/m)	Limit Range (dBµV/m)	Margin (dB)	Result
5850 to 5855	5850.00	73.98	122.2 to 110.8	48.22	Complied
5855 to 5875	--	--	110.8 to 105.2	--	Complied
5875 to 5925	--	--	105.2 to 68.2	--	Complied
F ≥ 5925	5934.29	65.25	68.2	2.95	Complied



Lower Band Edge Measurement



Upper Band Edge Measurement

Result: Pass

Transmitter Band Edge Radiated Emissions (continued)

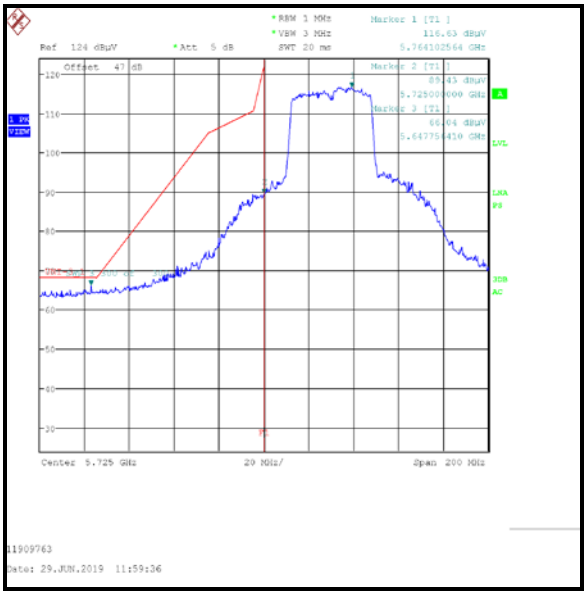
Results: 802.11n / 40 MHz / MCS0 / SISO / Port 1 / PWL 26 / 23 dBi Antenna Group

Results: CH151 / Lower Band Edge / Peak

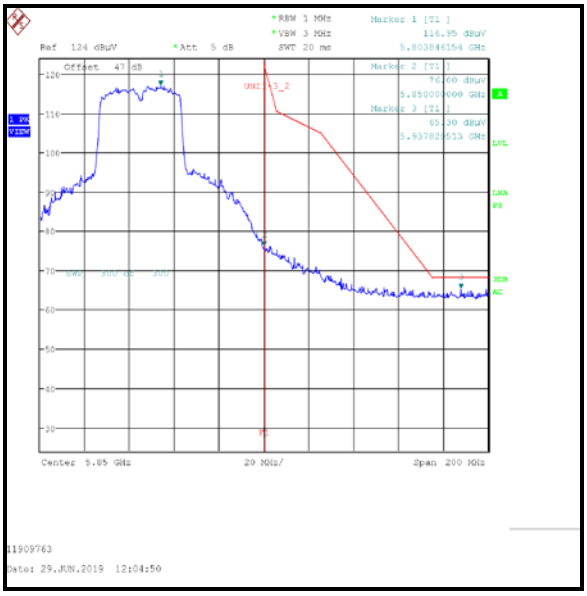
Frequency Range (MHz)	Frequency (MHz)	Peak Level (dBµV/m)	Limit Range (dBµV/m)	Margin (dB)	Result
F ≤ 5650	5647.75	66.04	68.2	2.16	Complied
5650 to 5700	--	--	68.2 to 105.2	--	Complied
5700 to 5720	--	--	105.2 to 110.8	--	Complied
5720 to 5725	5725.00	89.43	110.8 to 122.2	32.77	Complied

Results: CH159/ Upper Band Edge / Peak

Frequency Range (MHz)	Frequency (MHz)	Peak Level (dBµV/m)	Limit Range (dBµV/m)	Margin (dB)	Result
5850 to 5855	5850.00	76.00	122.2 to 110.8	46.20	Complied
5855 to 5875	--	--	110.8 to 105.2	--	Complied
5875 to 5925	--	--	105.2 to 68.2	--	Complied
F ≥ 5925	5937.82	65.30	68.2	2.90	Complied



Lower Band Edge Measurement



Upper Band Edge Measurement

Result: Pass

Transmitter Band Edge Radiated Emissions (continued)

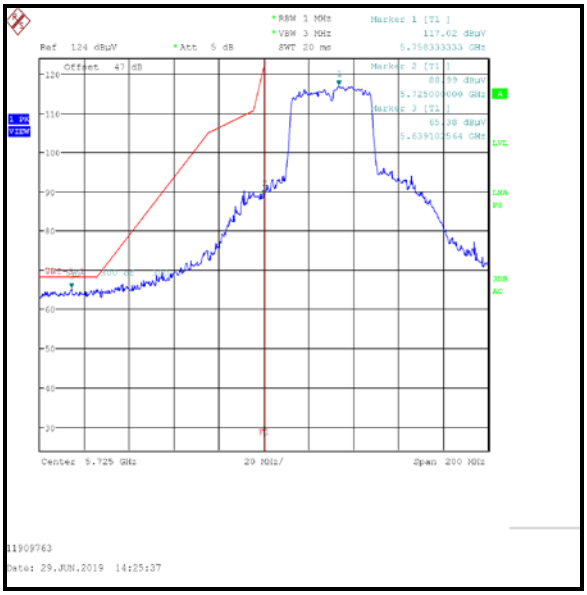
Results: 802.11ac / 40 MHz / MCS0 / SISO / Port 1 / PWL 26 / 23 dBi Antenna Group

Results: CH151 / Lower Band Edge / Peak

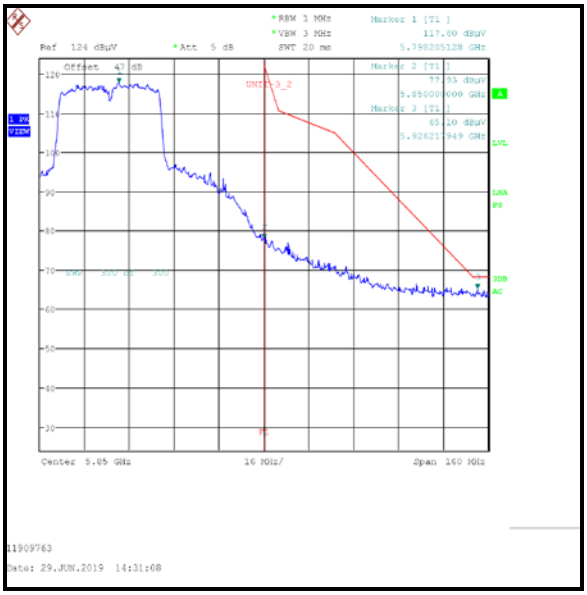
Frequency Range (MHz)	Frequency (MHz)	Peak Level (dBµV/m)	Limit Range (dBµV/m)	Margin (dB)	Result
F ≤ 5650	5639.10	65.38	68.2	2.82	Complied
5650 to 5700	--	--	68.2 to 105.2	--	Complied
5700 to 5720	--	--	105.2 to 110.8	--	Complied
5720 to 5725	5725.00	88.99	110.8 to 122.2	33.21	Complied

Results: CH159/ Upper Band Edge / Peak

Frequency Range (MHz)	Frequency (MHz)	Peak Level (dBµV/m)	Limit Range (dBµV/m)	Margin (dB)	Result
5850 to 5855	5850.00	77.93	122.2 to 110.8	44.27	Complied
5855 to 5875	--	--	110.8 to 105.2	--	Complied
5875 to 5925	--	--	105.2 to 68.2	--	Complied
F ≥ 5925	5926.21	65.10	68.2	3.10	Complied



Lower Band Edge Measurement



Upper Band Edge Measurement

Result: Pass

Transmitter Band Edge Radiated Emissions (continued)

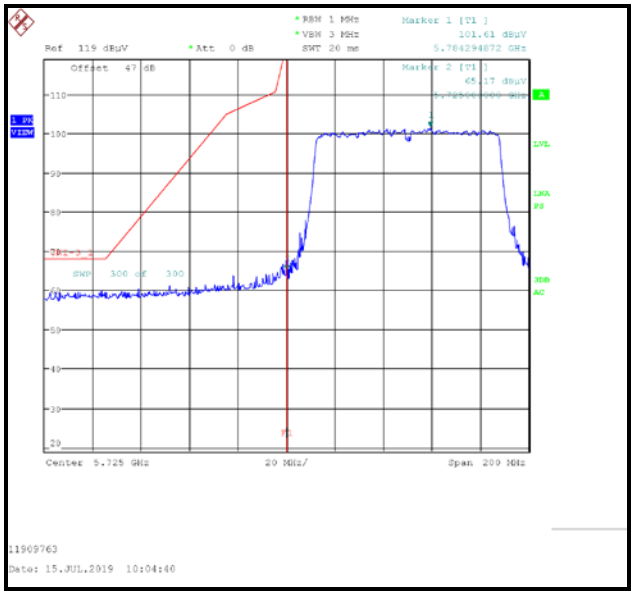
Results: 802.11ac / 80 MHz / MCS0 / SISO / Port 1 / PWL 11 / 23 dBi Antenna Group

Results: CH155 / Lower Band Edge / Peak

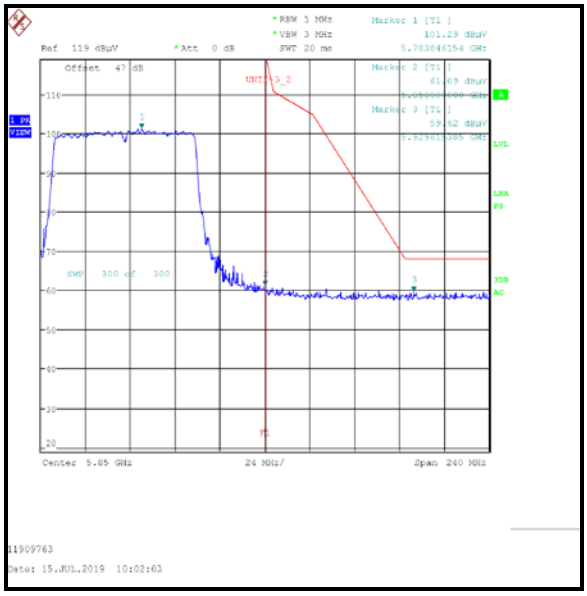
Frequency Range (MHz)	Frequency (MHz)	Peak Level (dBµV/m)	Limit Range (dBµV/m)	Margin (dB)	Result
F ≤ 5650	5647.00	60.00	68.2	8.20	Complied
5650 to 5700	--	--	68.2 to 105.2	--	Complied
5700 to 5720	--	--	105.2 to 110.8	--	Complied
5720 to 5725	5725.00	65.17	110.8 to 122.2	57.03	Complied

Results: CH155/ Upper Band Edge / Peak

Frequency Range (MHz)	Frequency (MHz)	Peak Level (dBµV/m)	Limit Range (dBµV/m)	Margin (dB)	Result
5850 to 5855	5850.00	61.09	122.2 to 110.8	61.11	Complied
5855 to 5875	--	--	110.8 to 105.2	--	Complied
5875 to 5925	--	--	105.2 to 68.2	--	Complied
F ≥ 5925	5929.61	59.62	68.2	8.58	Complied



Lower Band Edge Measurement



Upper Band Edge Measurement

Result: Pass

Transmitter Band Edge Radiated Emissions (continued)

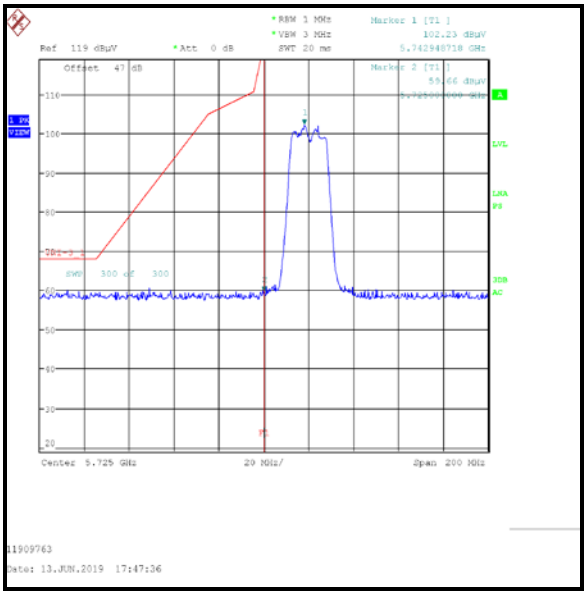
Results: 802.11a / 20 MHz / 6 Mbps / MIMO / Port 1+2 / PWL 14 / 23 dBi Antenna Group

Results: CH149 / Lower Band Edge / Peak

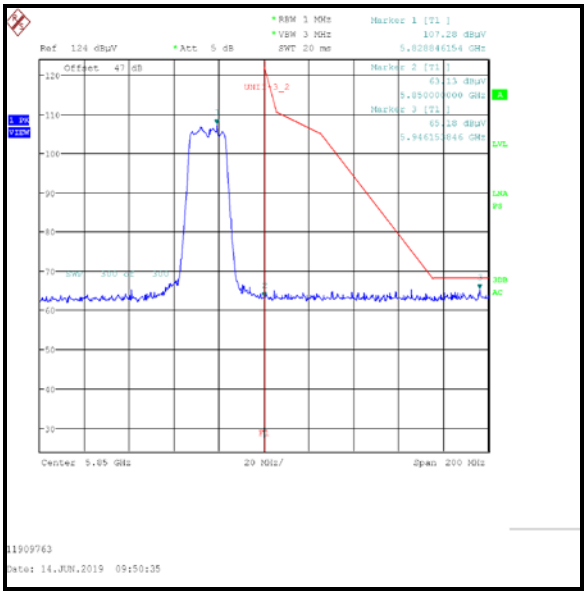
Frequency Range (MHz)	Frequency (MHz)	Peak Level (dBµV/m)	Limit Range (dBµV/m)	Margin (dB)	Result
F ≤ 5650	5637.50	60.00	68.2	8.20	Complied
5650 to 5700	--	--	68.2 to 105.2	--	Complied
5700 to 5720	--	--	105.2 to 110.8	--	Complied
5720 to 5725	5725.00	59.66	110.8 to 122.2	62.54	Complied

Results: CH165 / Upper Band Edge / Peak

Frequency Range (MHz)	Frequency (MHz)	Peak Level (dBµV/m)	Limit Range (dBµV/m)	Margin (dB)	Result
5850 to 5855	5850.00	63.13	122.2 to 110.8	59.07	Complied
5855 to 5875	--	--	110.8 to 105.2	--	Complied
5875 to 5925	--	--	105.2 to 68.2	--	Complied
F ≥ 5925	5946.15	65.18	68.2	3.02	Complied



Lower Band Edge Measurement



Upper Band Edge Measurement

Result: Pass

Transmitter Band Edge Radiated Emissions (continued)

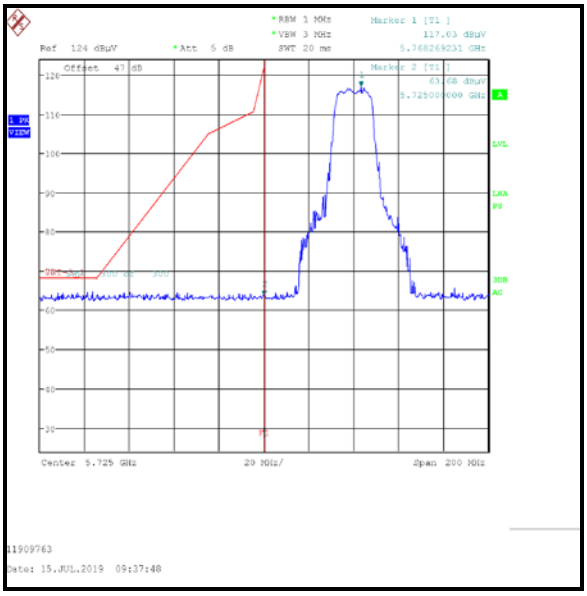
Results: 802.11a / 20 MHz / 6 Mbps / MIMO / Port 1+2 / PWL 19 / 23 dBi Antenna Group

Results: CH153 / Lower Band Edge / Peak

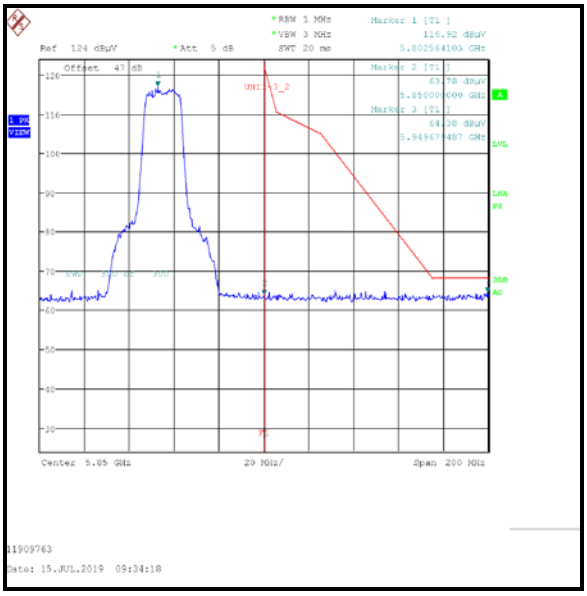
Frequency Range (MHz)	Frequency (MHz)	Peak Level (dBµV/m)	Limit Range (dBµV/m)	Margin (dB)	Result
F ≤ 5650	5648.00	63.50	68.2	4.70	Complied
5650 to 5700	--	--	68.2 to 105.2	--	Complied
5700 to 5720	--	--	105.2 to 110.8	--	Complied
5720 to 5725	5725.00	63.68	110.8 to 122.2	58.52	Complied

Results: CH161 / Upper Band Edge / Peak

Frequency Range (MHz)	Frequency (MHz)	Peak Level (dBµV/m)	Limit Range (dBµV/m)	Margin (dB)	Result
5850 to 5855	5850.00	63.78	122.2 to 110.8	58.42	Complied
5855 to 5875	--	--	110.8 to 105.2	--	Complied
5875 to 5925	--	--	105.2 to 68.2	--	Complied
F ≥ 5925	5949.67	64.38	68.2	3.82	Complied



Lower Band Edge Measurement



Upper Band Edge Measurement

Result: Pass

Transmitter Band Edge Radiated Emissions (continued)

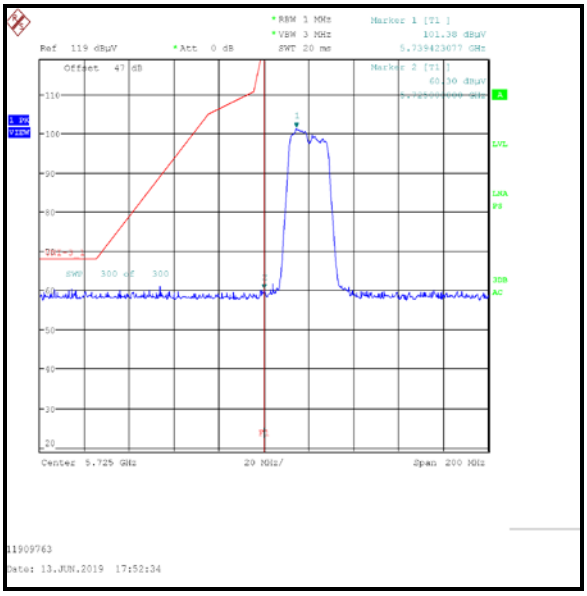
Results: 802.11n / 20 MHz / MCS0 / MIMO / Port 1+2 / PWL 14 / 23 dBi Antenna Group

Results: CH149 / Lower Band Edge / Peak

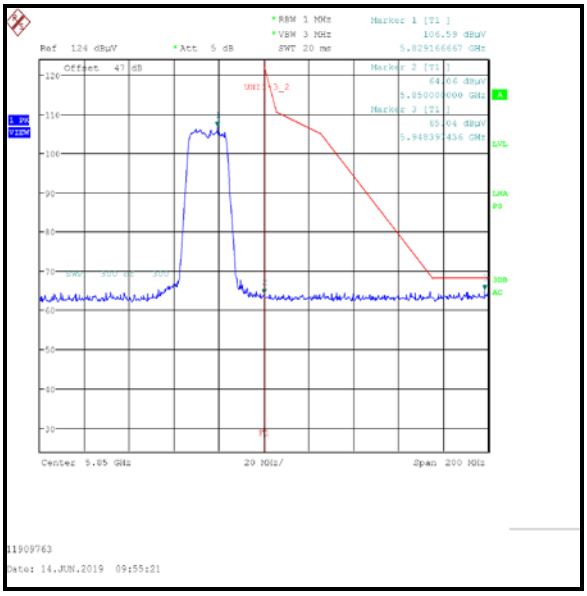
Frequency Range (MHz)	Frequency (MHz)	Peak Level (dBµV/m)	Limit Range (dBµV/m)	Margin (dB)	Result
F ≤ 5650	5637.00	60.25	68.2	7.95	Complied
5650 to 5700	--	--	68.2 to 105.2	--	Complied
5700 to 5720	--	--	105.2 to 110.8	--	Complied
5720 to 5725	5725.00	60.30	110.8 to 122.2	61.90	Complied

Results: CH165 / Upper Band Edge / Peak

Frequency Range (MHz)	Frequency (MHz)	Peak Level (dBµV/m)	Limit Range (dBµV/m)	Margin (dB)	Result
5850 to 5855	5850.00	64.06	122.2 to 110.8	58.14	Complied
5855 to 5875	--	--	110.8 to 105.2	--	Complied
5875 to 5925	--	--	105.2 to 68.2	--	Complied
F ≥ 5925	5948.39	65.04	68.2	3.16	Complied



Lower Band Edge Measurement



Upper Band Edge Measurement

Result: Pass

Transmitter Band Edge Radiated Emissions (continued)

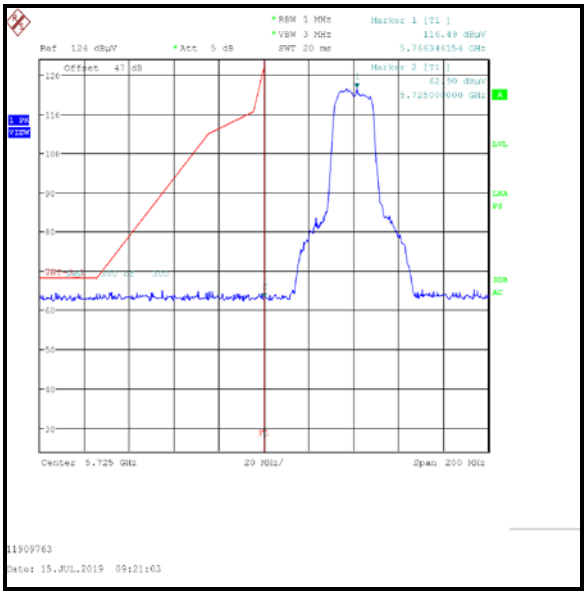
Results: 802.11n / 20 MHz / MCS0 / MIMO / Port 1+2 / PWL 19 / 23 dBi Antenna Group

Results: CH153 / Lower Band Edge / Peak

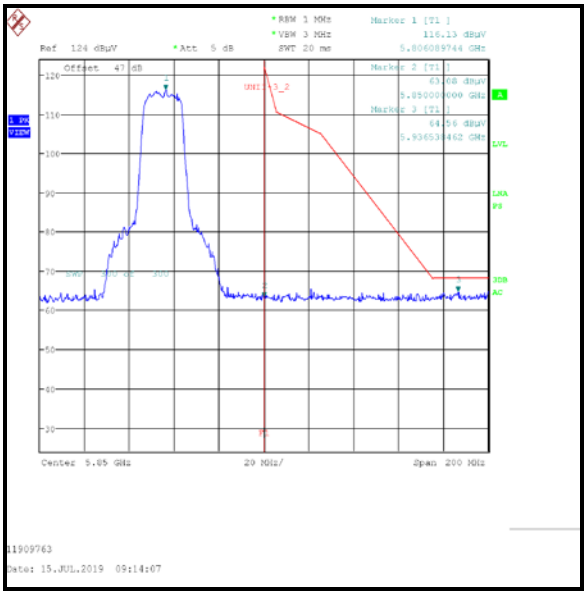
Frequency Range (MHz)	Frequency (MHz)	Peak Level (dBµV/m)	Limit Range (dBµV/m)	Margin (dB)	Result
F ≤ 5650	5627.50	63.50	68.2	4.70	Complied
5650 to 5700	--	--	68.2 to 105.2	--	Complied
5700 to 5720	--	--	105.2 to 110.8	--	Complied
5720 to 5725	5725.00	62.90	110.8 to 122.2	59.30	Complied

Results: CH161 / Upper Band Edge / Peak

Frequency Range (MHz)	Frequency (MHz)	Peak Level (dBµV/m)	Limit Range (dBµV/m)	Margin (dB)	Result
5850 to 5855	5850.00	63.08	122.2 to 110.8	59.12	Complied
5855 to 5875	--	--	110.8 to 105.2	--	Complied
5875 to 5925	--	--	105.2 to 68.2	--	Complied
F ≥ 5925	5936.53	64.56	68.2	3.64	Complied



Lower Band Edge Measurement



Upper Band Edge Measurement

Result: Pass

Transmitter Band Edge Radiated Emissions (continued)

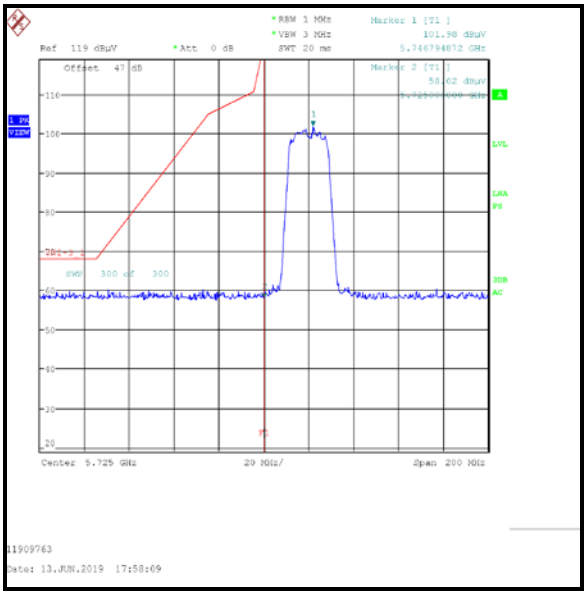
Results: 802.11ac / 20 MHz / MCS0 / MIMO / Port 1+2 / PWL 14 / 23 dBi Antenna Group

Results: CH149 / Lower Band Edge / Peak

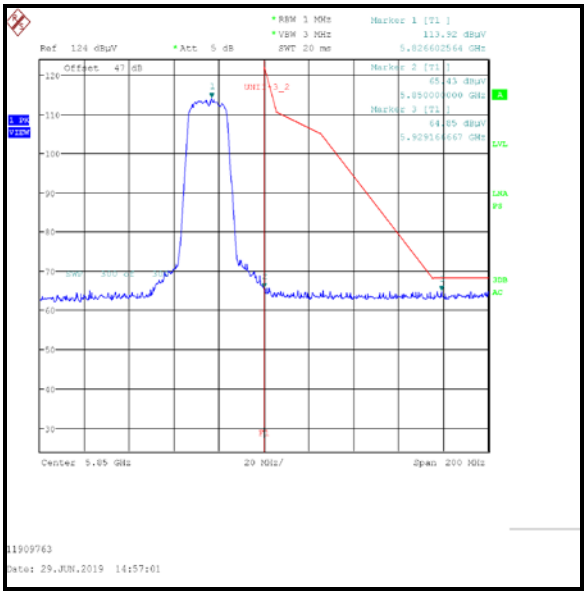
Frequency Range (MHz)	Frequency (MHz)	Peak Level (dBµV/m)	Limit Range (dBµV/m)	Margin (dB)	Result
F ≤ 5650	5637.00	59.85	68.2	8.35	Complied
5650 to 5700	--	--	68.2 to 105.2	--	Complied
5700 to 5720	--	--	105.2 to 110.8	--	Complied
5720 to 5725	5725.00	58.02	110.8 to 122.2	64.18	Complied

Results: CH165/ Upper Band Edge / Peak

Frequency Range (MHz)	Frequency (MHz)	Peak Level (dBµV/m)	Limit Range (dBµV/m)	Margin (dB)	Result
5850 to 5855	5850.00	65.43	122.2 to 110.8	56.77	Complied
5855 to 5875	--	--	110.8 to 105.2	--	Complied
5875 to 5925	--	--	105.2 to 68.2	--	Complied
F ≥ 5925	5929.16	64.85	68.2	3.35	Complied



Lower Band Edge Measurement



Upper Band Edge Measurement

Result: Pass

Transmitter Band Edge Radiated Emissions (continued)

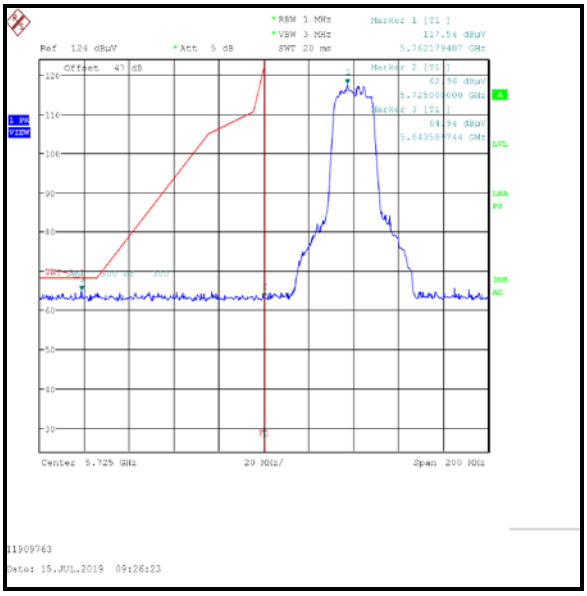
Results: 802.11ac / 20 MHz / MCS0 / MIMO / Port 1+2 / PWL 19 / 23 dBi Antenna Group

Results: CH153 / Lower Band Edge / Peak

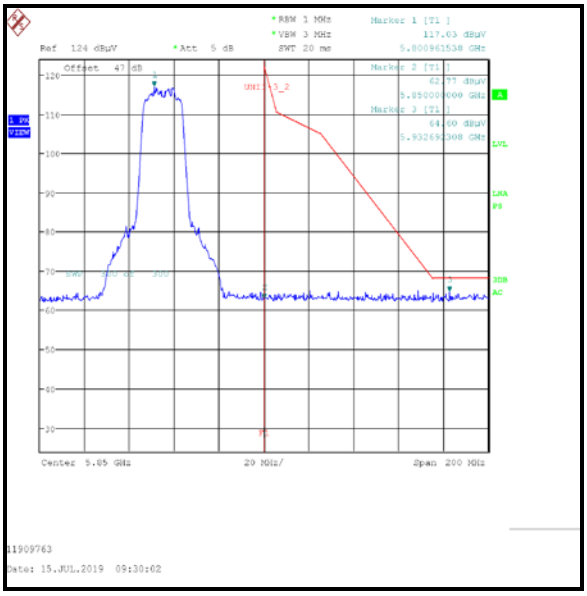
Frequency Range (MHz)	Frequency (MHz)	Peak Level (dBµV/m)	Limit Range (dBµV/m)	Margin (dB)	Result
F ≤ 5650	5643.58	64.94	68.2	3.26	Complied
5650 to 5700	--	--	68.2 to 105.2	--	Complied
5700 to 5720	--	--	105.2 to 110.8	--	Complied
5720 to 5725	5725.00	62.96	110.8 to 122.2	59.24	Complied

Results: CH161/ Upper Band Edge / Peak

Frequency Range (MHz)	Frequency (MHz)	Peak Level (dBµV/m)	Limit Range (dBµV/m)	Margin (dB)	Result
5850 to 5855	5850.00	62.77	122.2 to 110.8	59.43	Complied
5855 to 5875	--	--	110.8 to 105.2	--	Complied
5875 to 5925	--	--	105.2 to 68.2	--	Complied
F ≥ 5925	5932.69	64.60	68.2	3.60	Complied



Lower Band Edge Measurement



Upper Band Edge Measurement

Result: Pass

Transmitter Band Edge Radiated Emissions (continued)

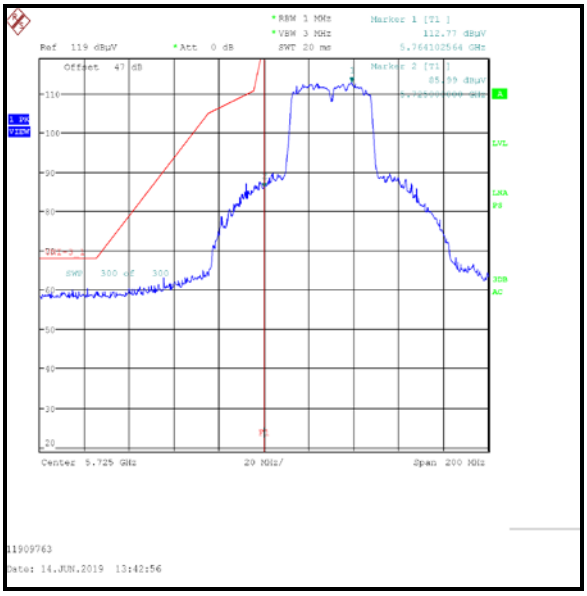
Results: 802.11n / 40 MHz / MCS0 / MIMO / Port 1+2 / PWL 19 / 23 dBi Antenna Group

Results: CH151 / Lower Band Edge / Peak

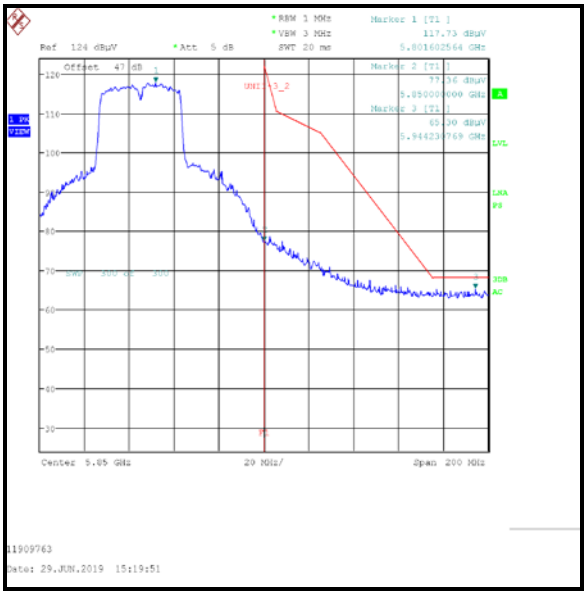
Frequency Range (MHz)	Frequency (MHz)	Peak Level (dBµV/m)	Limit Range (dBµV/m)	Margin (dB)	Result
F ≤ 5650	5647.00	60.20	68.2	8.00	Complied
5650 to 5700	--	--	68.2 to 105.2	--	Complied
5700 to 5720	--	--	105.2 to 110.8	--	Complied
5720 to 5725	5725.00	85.99	110.8 to 122.2	36.21	Complied

Results: CH159/ Upper Band Edge / Peak

Frequency Range (MHz)	Frequency (MHz)	Peak Level (dBµV/m)	Limit Range (dBµV/m)	Margin (dB)	Result
5850 to 5855	5850.00	77.36	122.2 to 110.8	44.84	Complied
5855 to 5875	--	--	110.8 to 105.2	--	Complied
5875 to 5925	--	--	105.2 to 68.2	--	Complied
F ≥ 5925	5944.23	65.30	68.2	2.90	Complied



Lower Band Edge Measurement



Upper Band Edge Measurement

Result: Pass

Transmitter Band Edge Radiated Emissions (continued)

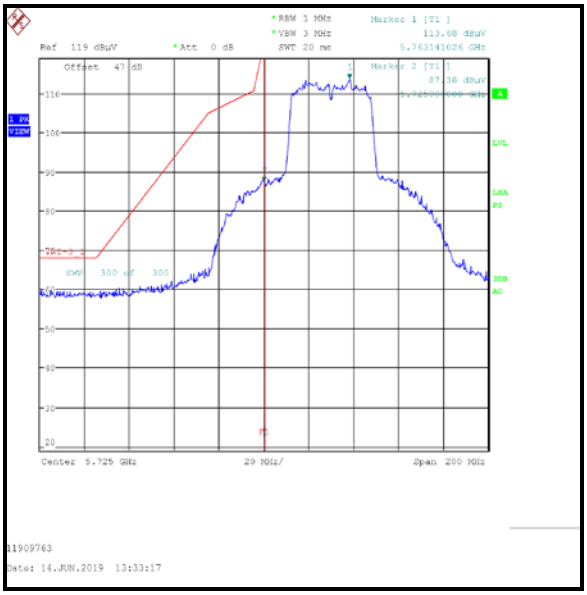
Results: 802.11ac / 40 MHz / MCS0 / MIMO / Port 1+2 / PWL 19 / 23 dBi Antenna Group

Results: CH151 / Lower Band Edge / Peak

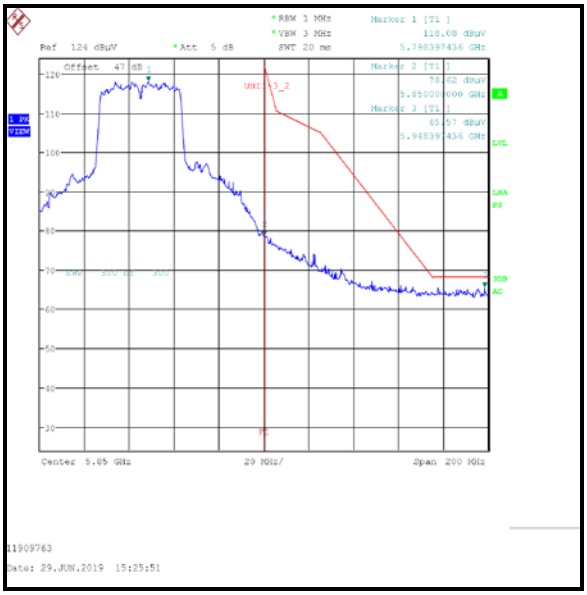
Frequency Range (MHz)	Frequency (MHz)	Peak Level (dBµV/m)	Limit Range (dBµV/m)	Margin (dB)	Result
F ≤ 5650	5627.00	60.00	68.2	8.20	Complied
5650 to 5700	--	--	68.2 to 105.2	--	Complied
5700 to 5720	--	--	105.2 to 110.8	--	Complied
5720 to 5725	5725.00	87.38	110.8 to 122.2	34.82	Complied

Results: CH159/ Upper Band Edge / Peak

Frequency Range (MHz)	Frequency (MHz)	Peak Level (dBµV/m)	Limit Range (dBµV/m)	Margin (dB)	Result
5850 to 5855	5850.00	78.62	122.2 to 110.8	43.58	Complied
5855 to 5875	--	--	110.8 to 105.2	--	Complied
5875 to 5925	--	--	105.2 to 68.2	--	Complied
F ≥ 5925	5948.39	65.57	68.2	2.63	Complied



Lower Band Edge Measurement



Upper Band Edge Measurement

Result: Pass

Transmitter Band Edge Radiated Emissions (continued)

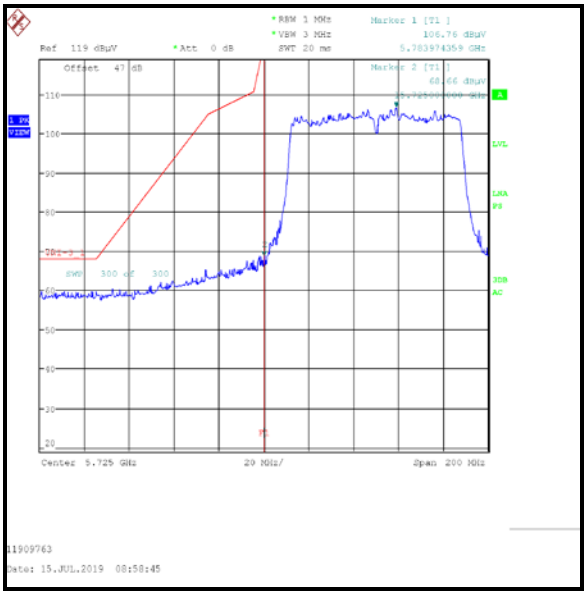
Results: 802.11ac / 80 MHz / MCS0 / MIMO/ Port 1+2 / PWL 14 / 23 dBi Antenna Group

Results: CH155 / Lower Band Edge / Peak

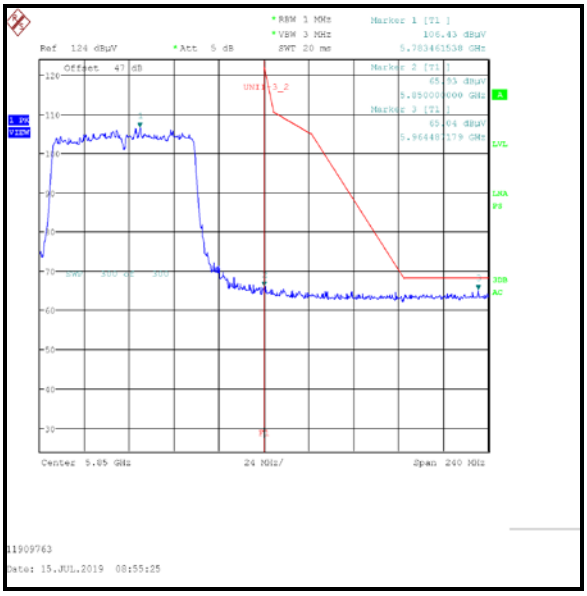
Frequency Range (MHz)	Frequency (MHz)	Peak Level (dBµV/m)	Limit Range (dBµV/m)	Margin (dB)	Result
F ≤ 5650	5634.00	59.80	68.2	8.40	Complied
5650 to 5700	--	--	68.2 to 105.2	--	Complied
5700 to 5720	--	--	105.2 to 110.8	--	Complied
5720 to 5725	5725.00	68.66	110.8 to 122.2	53.54	Complied

Results: CH155/ Upper Band Edge / Peak

Frequency Range (MHz)	Frequency (MHz)	Peak Level (dBµV/m)	Limit Range (dBµV/m)	Margin (dB)	Result
5850 to 5855	5850.00	65.93	122.2 to 110.8	56.27	Complied
5855 to 5875	--	--	110.8 to 105.2	--	Complied
5875 to 5925	--	--	105.2 to 68.2	--	Complied
F ≥ 5925	5964.48	65.04	68.2	3.16	Complied



Lower Band Edge Measurement



Upper Band Edge Measurement

Result: Pass

Transmitter Band Edge Radiated Emissions (continued)

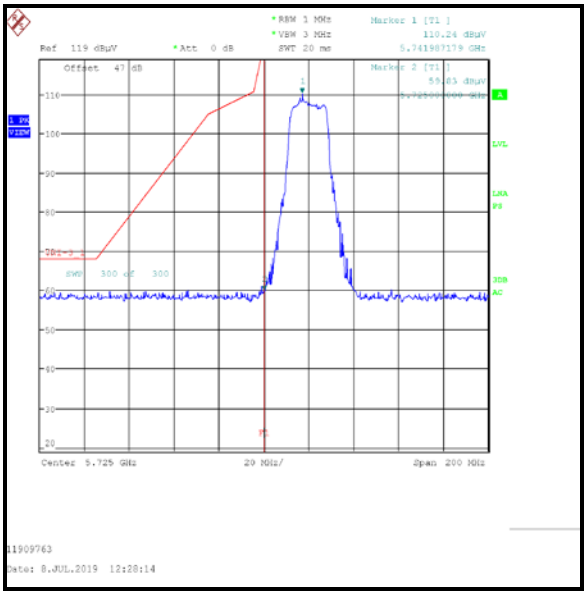
Results: 802.11a / 20 MHz / 6 Mbps / MIMO / Port 1+2+3 / PWL 12 / 23 dBi Antenna Group

Results: CH149 / Lower Band Edge / Peak

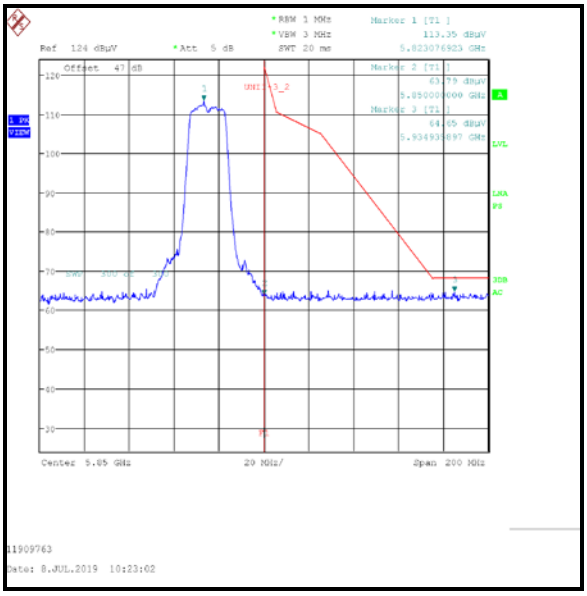
Frequency Range (MHz)	Frequency (MHz)	Peak Level (dBµV/m)	Limit Range (dBµV/m)	Margin (dB)	Result
F ≤ 5650	5633.00	59.65	68.2	8.55	Complied
5650 to 5700	--	--	68.2 to 105.2	--	Complied
5700 to 5720	--	--	105.2 to 110.8	--	Complied
5720 to 5725	5725.00	59.83	110.8 to 122.2	62.37	Complied

Results: CH165 / Upper Band Edge / Peak

Frequency Range (MHz)	Frequency (MHz)	Peak Level (dBµV/m)	Limit Range (dBµV/m)	Margin (dB)	Result
5850 to 5855	5850.00	63.79	122.2 to 110.8	58.41	Complied
5855 to 5875	--	--	110.8 to 105.2	--	Complied
5875 to 5925	--	--	105.2 to 68.2	--	Complied
F ≥ 5925	5934.93	64.65	68.2	3.55	Complied



Lower Band Edge Measurement



Upper Band Edge Measurement

Result: Pass

Transmitter Band Edge Radiated Emissions (continued)

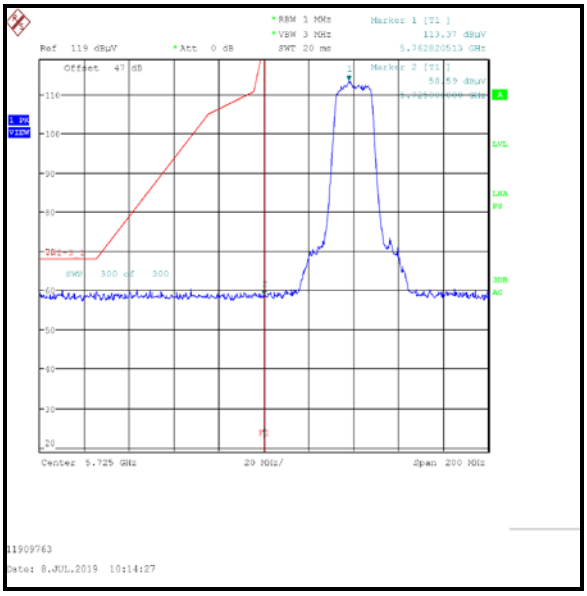
Results: 802.11a / 20 MHz / 6 Mbps / MIMO / Port 1+2+3 / PWL 17 / 23 dBi Antenna Group

Results: CH153 / Lower Band Edge / Peak

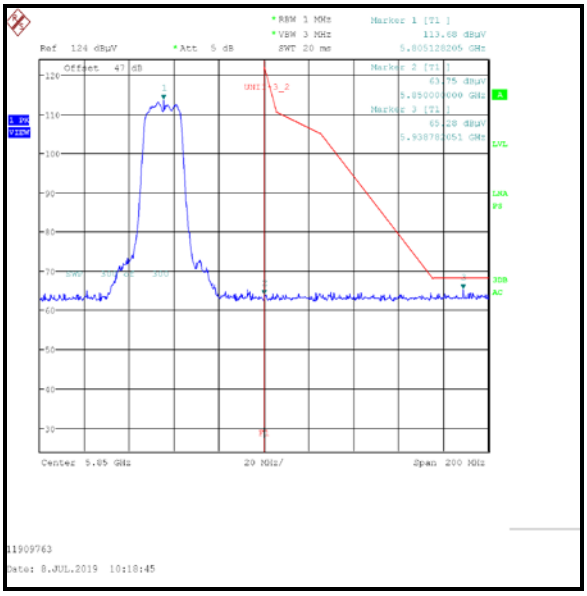
Frequency Range (MHz)	Frequency (MHz)	Peak Level (dBµV/m)	Limit Range (dBµV/m)	Margin (dB)	Result
F ≤ 5650	5635.00	60.00	68.2	8.20	Complied
5650 to 5700	--	--	68.2 to 105.2	--	Complied
5700 to 5720	--	--	105.2 to 110.8	--	Complied
5720 to 5725	5725.00	58.59	110.8 to 122.2	63.61	Complied

Results: CH161 / Upper Band Edge / Peak

Frequency Range (MHz)	Frequency (MHz)	Peak Level (dBµV/m)	Limit Range (dBµV/m)	Margin (dB)	Result
5850 to 5855	5850.00	63.75	122.2 to 110.8	58.45	Complied
5855 to 5875	--	--	110.8 to 105.2	--	Complied
5875 to 5925	--	--	105.2 to 68.2	--	Complied
F ≥ 5925	5938.78	65.28	68.2	2.92	Complied



Lower Band Edge Measurement



cUpper Band Edge Measurement

Result: Pass

Transmitter Band Edge Radiated Emissions (continued)

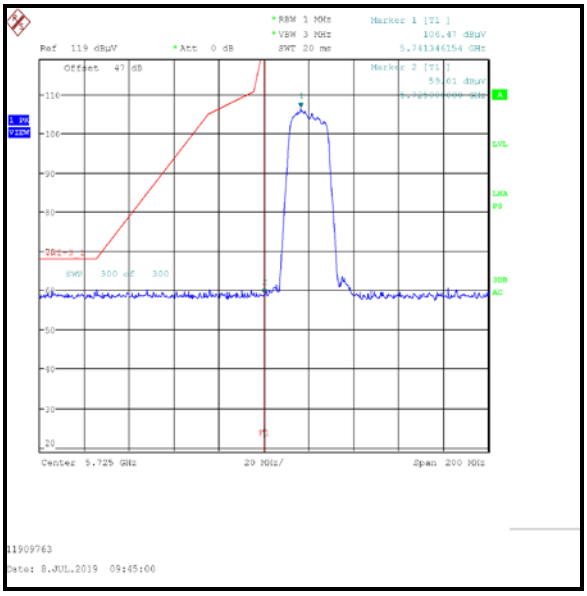
Results: 802.11n / 20 MHz / MCS0 / MIMO / Port 1+2+3 / PWL 12 / 23 dBi Antenna Group

Results: CH149 / Lower Band Edge / Peak

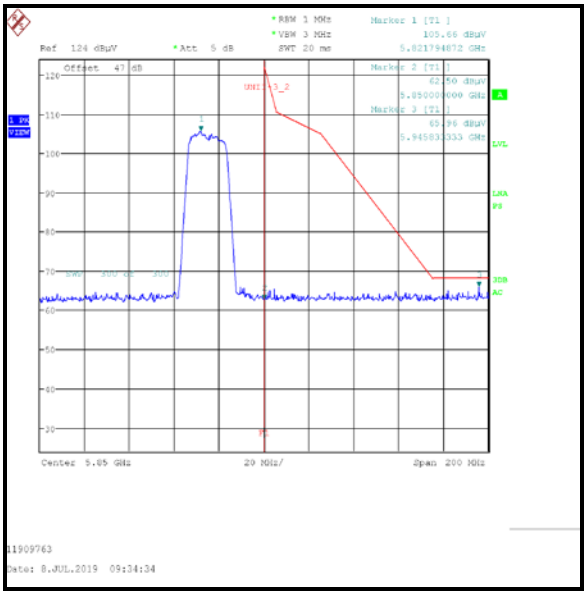
Frequency Range (MHz)	Frequency (MHz)	Peak Level (dBµV/m)	Limit Range (dBµV/m)	Margin (dB)	Result
F ≤ 5650	5650.00	60.15	68.2	8.05	Complied
5650 to 5700	--	--	68.2 to 105.2	--	Complied
5700 to 5720	--	--	105.2 to 110.8	--	Complied
5720 to 5725	5725.00	59.01	110.8 to 122.2	63.19	Complied

Results: CH165 / Upper Band Edge / Peak

Frequency Range (MHz)	Frequency (MHz)	Peak Level (dBµV/m)	Limit Range (dBµV/m)	Margin (dB)	Result
5850 to 5855	5850.00	62.50	122.2 to 110.8	59.70	Complied
5855 to 5875	--	--	110.8 to 105.2	--	Complied
5875 to 5925	--	--	105.2 to 68.2	--	Complied
F ≥ 5925	5945.83	65.96	68.2	2.24	Complied



Lower Band Edge Measurement



Upper Band Edge Measurement

Result: Pass

Transmitter Band Edge Radiated Emissions (continued)

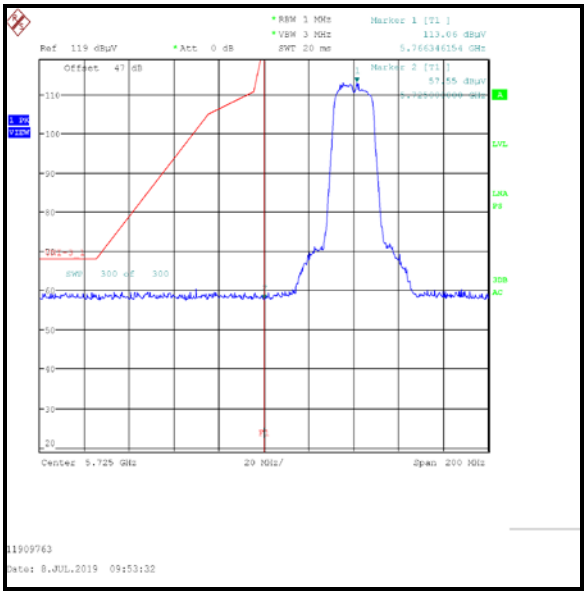
Results: 802.11n / 20 MHz / MCS0 / MIMO / Port 1+2+3 / PWL 17 / 23 dBi Antenna Group

Results: CH153 / Lower Band Edge / Peak

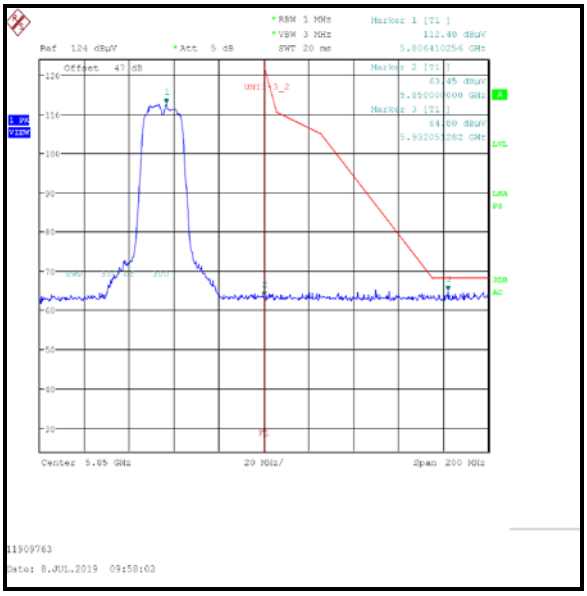
Frequency Range (MHz)	Frequency (MHz)	Peak Level (dBµV/m)	Limit Range (dBµV/m)	Margin (dB)	Result
F ≤ 5650	5638.00	59.65	68.2	8.55	Complied
5650 to 5700	--	--	68.2 to 105.2	--	Complied
5700 to 5720	--	--	105.2 to 110.8	--	Complied
5720 to 5725	5725.00	57.55	110.8 to 122.2	64.65	Complied

Results: CH161 / Upper Band Edge / Peak

Frequency Range (MHz)	Frequency (MHz)	Peak Level (dBµV/m)	Limit Range (dBµV/m)	Margin (dB)	Result
5850 to 5855	5850.00	63.45	122.2 to 110.8	58.75	Complied
5855 to 5875	--	--	110.8 to 105.2	--	Complied
5875 to 5925	--	--	105.2 to 68.2	--	Complied
F ≥ 5925	5932.05	64.80	68.2	3.40	Complied



Lower Band Edge Measurement



Upper Band Edge Measurement

Result: Pass

Transmitter Band Edge Radiated Emissions (continued)

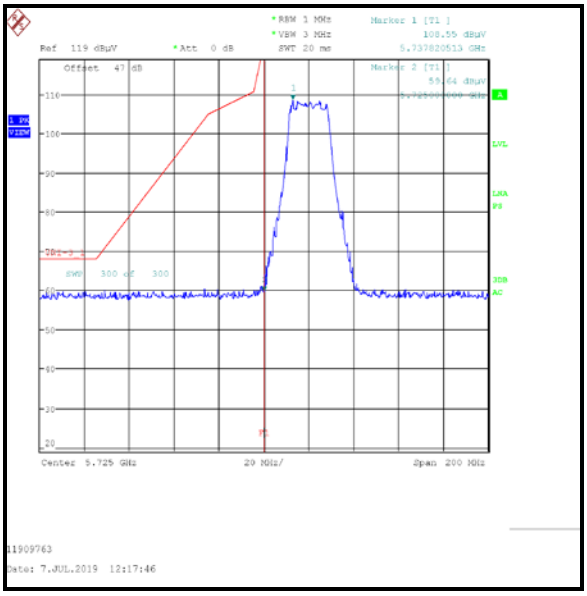
Results: 802.11ac / 20 MHz / MCS0 / MIMO / Port 1+2+3 / PWL 12 / 23 dBi Antenna Group

Results: CH149 / Lower Band Edge / Peak

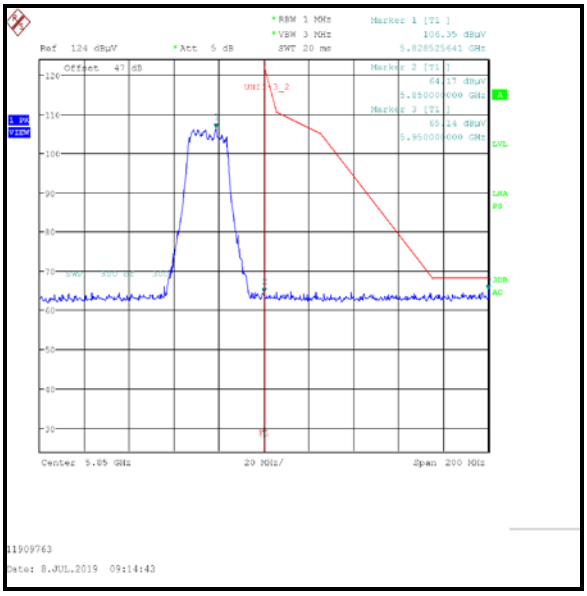
Frequency Range (MHz)	Frequency (MHz)	Peak Level (dBµV/m)	Limit Range (dBµV/m)	Margin (dB)	Result
F ≤ 5650	5645.00	59.90	68.2	8.30	Complied
5650 to 5700	--	--	68.2 to 105.2	--	Complied
5700 to 5720	--	--	105.2 to 110.8	--	Complied
5720 to 5725	5725.00	59.64	110.8 to 122.2	62.56	Complied

Results: CH165/ Upper Band Edge / Peak

Frequency Range (MHz)	Frequency (MHz)	Peak Level (dBµV/m)	Limit Range (dBµV/m)	Margin (dB)	Result
5850 to 5855	5850.00	64.17	122.2 to 110.8	58.03	Complied
5855 to 5875	--	--	110.8 to 105.2	--	Complied
5875 to 5925	--	--	105.2 to 68.2	--	Complied
F ≥ 5925	5950.00	65.14	68.2	3.06	Complied



Lower Band Edge Measurement



Upper Band Edge Measurement

Result: Pass

Transmitter Band Edge Radiated Emissions (continued)

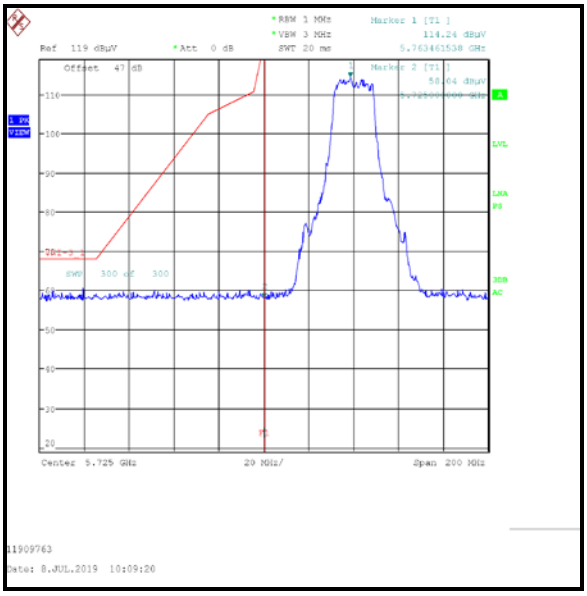
Results: 802.11ac / 20 MHz / MCS0 / MIMO / Port 1+2+3 / PWL 17 / 23 dBi Antenna Group

Results: CH153 / Lower Band Edge / Peak

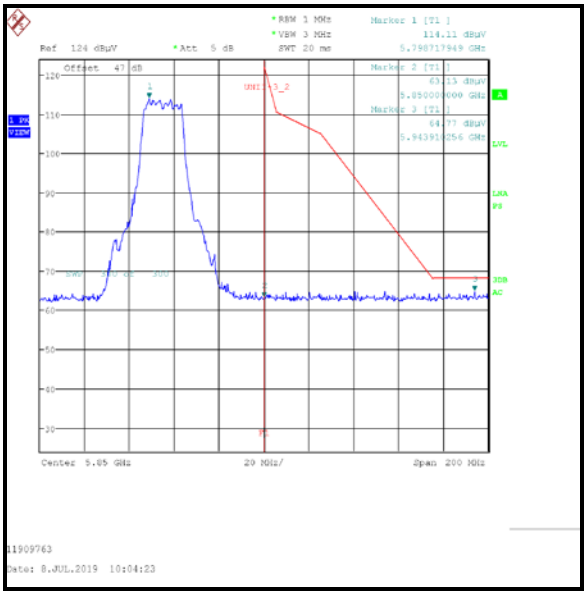
Frequency Range (MHz)	Frequency (MHz)	Peak Level (dBµV/m)	Limit Range (dBµV/m)	Margin (dB)	Result
F ≤ 5650	5644.0	60.20	68.2	8.00	Complied
5650 to 5700	--	--	68.2 to 105.2	--	Complied
5700 to 5720	--	--	105.2 to 110.8	--	Complied
5720 to 5725	5725.00	58.04	110.8 to 122.2	64.16	Complied

Results: CH161/ Upper Band Edge / Peak

Frequency Range (MHz)	Frequency (MHz)	Peak Level (dBµV/m)	Limit Range (dBµV/m)	Margin (dB)	Result
5850 to 5855	5850.00	63.13	122.2 to 110.8	59.07	Complied
5855 to 5875	--	--	110.8 to 105.2	--	Complied
5875 to 5925	--	--	105.2 to 68.2	--	Complied
F ≥ 5925	5943.91	64.77	68.2	3.43	Complied



Lower Band Edge Measurement



Upper Band Edge Measurement

Result: Pass

Transmitter Band Edge Radiated Emissions (continued)

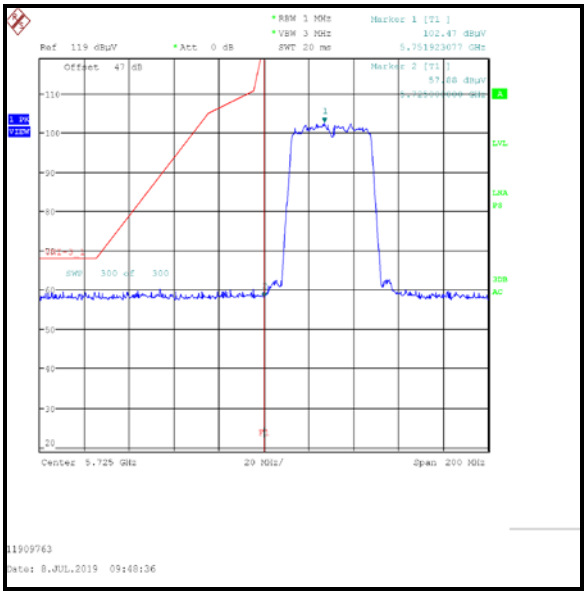
Results: 802.11n / 40 MHz / MCS0 / MIMO / Port 1+2+3 / PWL 12 / 23 dBi Antenna Group

Results: CH151 / Lower Band Edge / Peak

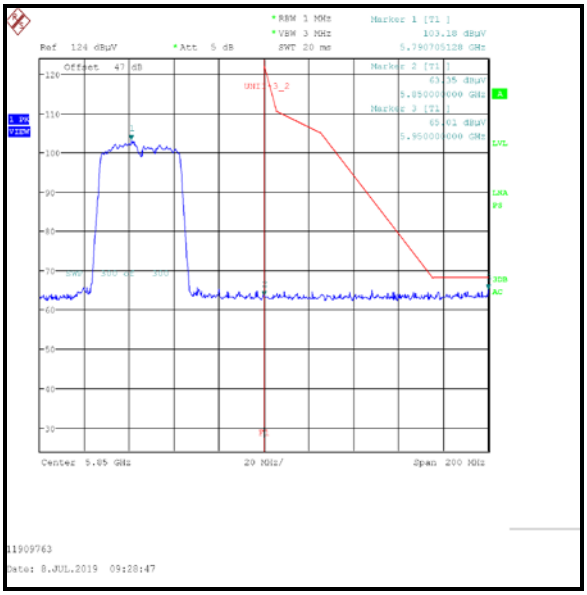
Frequency Range (MHz)	Frequency (MHz)	Peak Level (dBµV/m)	Limit Range (dBµV/m)	Margin (dB)	Result
F ≤ 5650	5632.00	59.75	68.2	8.45	Complied
5650 to 5700	--	--	68.2 to 105.2	--	Complied
5700 to 5720	--	--	105.2 to 110.8	--	Complied
5720 to 5725	5725.00	57.88	110.8 to 122.2	64.32	Complied

Results: CH159/ Upper Band Edge / Peak

Frequency Range (MHz)	Frequency (MHz)	Peak Level (dBµV/m)	Limit Range (dBµV/m)	Margin (dB)	Result
5850 to 5855	5850.00	63.35	122.2 to 110.8	58.85	Complied
5855 to 5875	--	--	110.8 to 105.2	--	Complied
5875 to 5925	--	--	105.2 to 68.2	--	Complied
F ≥ 5925	5950.00	65.01	68.2	3.19	Complied



Lower Band Edge Measurement



cUpper Band Edge Measurement

Result: Pass

Transmitter Band Edge Radiated Emissions (continued)

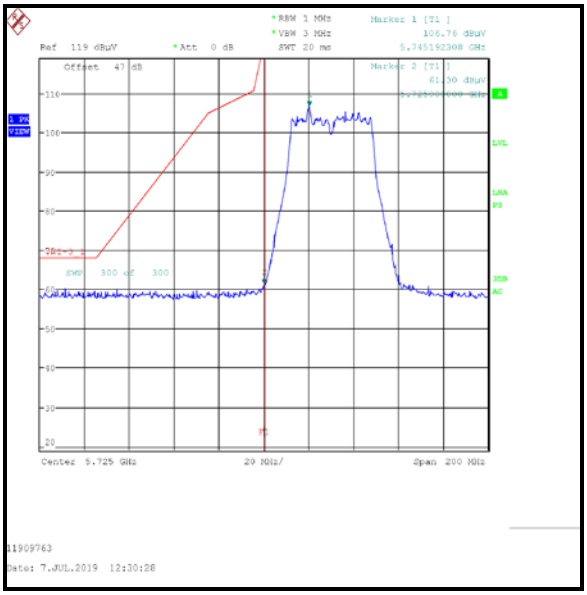
Results: 802.11ac / 40 MHz / MCS0 / MIMO / Port 1+2+3 / PWL 12 / 23 dBi Antenna Group

Results: CH151 / Lower Band Edge / Peak

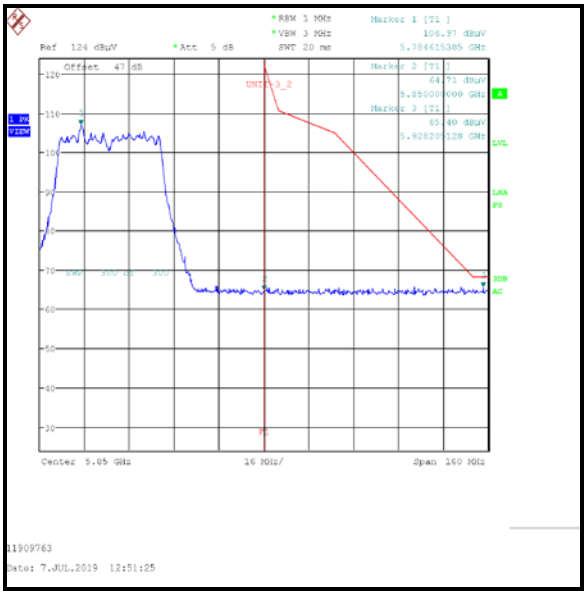
Frequency Range (MHz)	Frequency (MHz)	Peak Level (dBµV/m)	Limit Range (dBµV/m)	Margin (dB)	Result
F ≤ 5650	5635.00	60.08	68.2	8.12	Complied
5650 to 5700	--	--	68.2 to 105.2	--	Complied
5700 to 5720	--	--	105.2 to 110.8	--	Complied
5720 to 5725	5725.00	61.30	110.8 to 122.2	60.90	Complied

Results: CH159/ Upper Band Edge / Peak

Frequency Range (MHz)	Frequency (MHz)	Peak Level (dBµV/m)	Limit Range (dBµV/m)	Margin (dB)	Result
5850 to 5855	5850.00	64.71	122.2 to 110.8	57.49	Complied
5855 to 5875	--	--	110.8 to 105.2	--	Complied
5875 to 5925	--	--	105.2 to 68.2	--	Complied
F ≥ 5925	5928.20	65.40	68.2	2.80	Complied



Lower Band Edge Measurement



Upper Band Edge Measurement

Result: Pass

Transmitter Band Edge Radiated Emissions (continued)

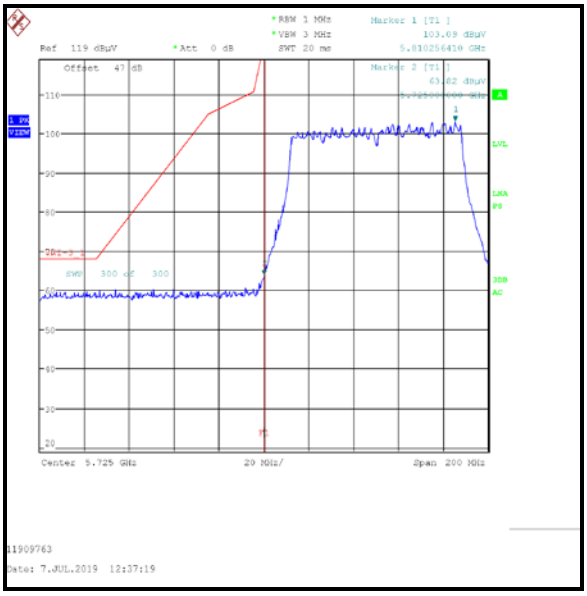
Results: 802.11ac / 80 MHz / MCS0 / MIMO/ Port 1+2+3 / PWL 12 / 23 dBi Antenna Group

Results: CH155 / Lower Band Edge / Peak

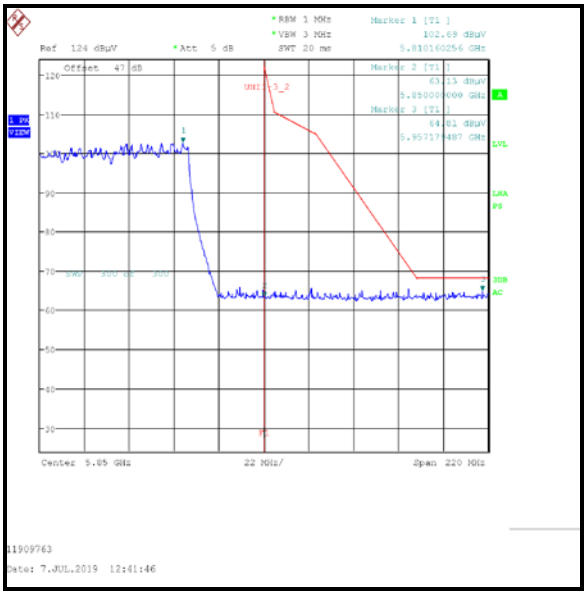
Frequency Range (MHz)	Frequency (MHz)	Peak Level (dBµV/m)	Limit Range (dBµV/m)	Margin (dB)	Result
F ≤ 5650	5647.00	59.90	68.2	8.30	Complied
5650 to 5700	--	--	68.2 to 105.2	--	Complied
5700 to 5720	--	--	105.2 to 110.8	--	Complied
5720 to 5725	5725.00	63.82	110.8 to 122.2	58.38	Complied

Results: CH155/ Upper Band Edge / Peak

Frequency Range (MHz)	Frequency (MHz)	Peak Level (dBµV/m)	Limit Range (dBµV/m)	Margin (dB)	Result
5850 to 5855	5850.00	63.13	122.2 to 110.8	59.07	Complied
5855 to 5875	--	--	110.8 to 105.2	--	Complied
5875 to 5925	--	--	105.2 to 68.2	--	Complied
F ≥ 5925	5957.17	64.81	68.2	3.39	Complied



Lower Band Edge Measurement



Upper Band Edge Measurement

Result: Pass

Transmitter Band Edge Radiated Emissions (continued)

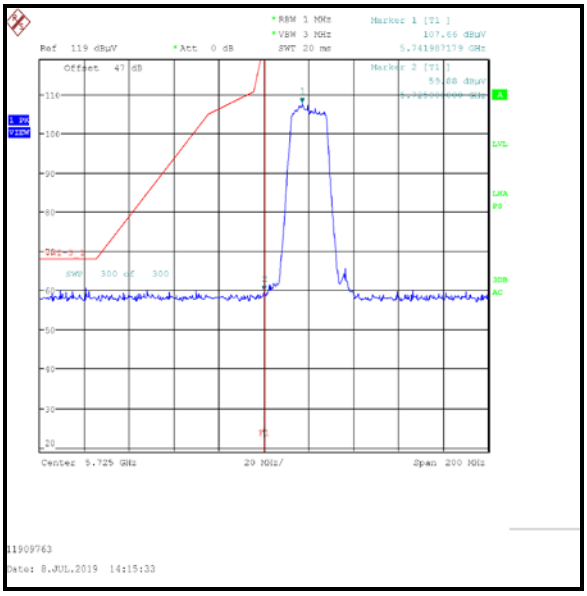
Results: 802.11a / 20 MHz / 6 Mbps / MIMO / Port 1+2+3+4 / PWL 11 / 23 dBi Antenna Group

Results: CH149 / Lower Band Edge / Peak

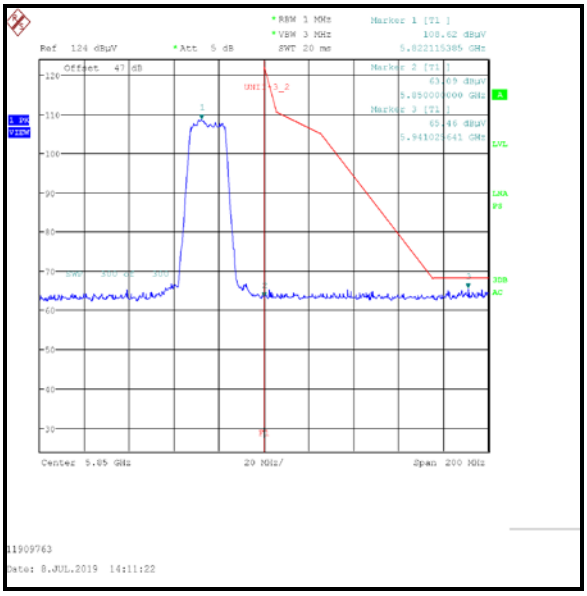
Frequency Range (MHz)	Frequency (MHz)	Peak Level (dBµV/m)	Limit Range (dBµV/m)	Margin (dB)	Result
F ≤ 5650	5646.50	60.20	68.2	8.00	Complied
5650 to 5700	--	--	68.2 to 105.2	--	Complied
5700 to 5720	--	--	105.2 to 110.8	--	Complied
5720 to 5725	5725.00	59.88	110.8 to 122.2	62.32	Complied

Results: CH165 / Upper Band Edge / Peak

Frequency Range (MHz)	Frequency (MHz)	Peak Level (dBµV/m)	Limit Range (dBµV/m)	Margin (dB)	Result
5850 to 5855	5850.00	63.09	122.2 to 110.8	59.11	Complied
5855 to 5875	--	--	110.8 to 105.2	--	Complied
5875 to 5925	--	--	105.2 to 68.2	--	Complied
F ≥ 5925	5941.02	65.46	68.2	2.74	Complied



Lower Band Edge Measurement



Upper Band Edge Measurement

Result: Pass

Transmitter Band Edge Radiated Emissions (continued)

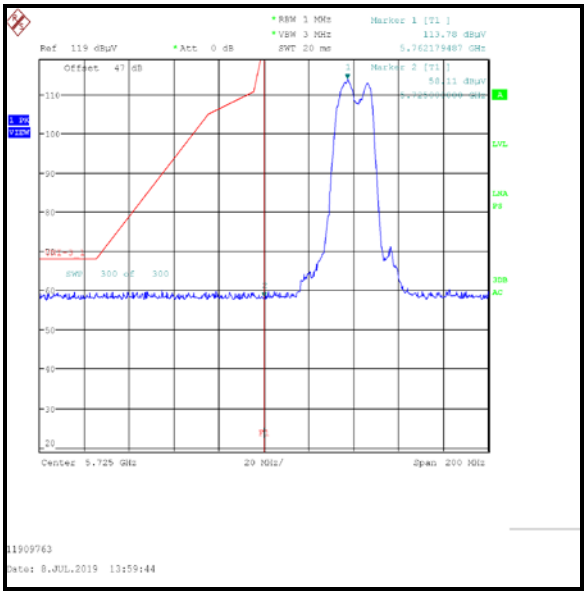
Results: 802.11a / 20 MHz / 6 Mbps / MIMO / Port 1+2+3+4 / PWL 16 / 23 dBi Antenna Group

Results: CH153 / Lower Band Edge / Peak

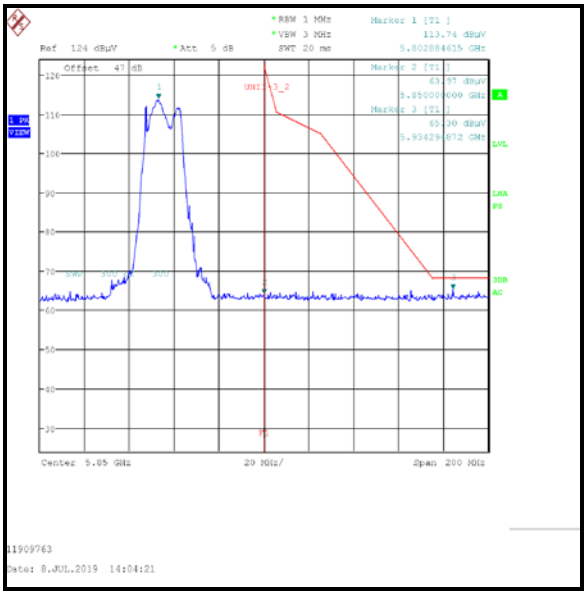
Frequency Range (MHz)	Frequency (MHz)	Peak Level (dBµV/m)	Limit Range (dBµV/m)	Margin (dB)	Result
F ≤ 5650	5639.00	59.85	68.2	8.35	Complied
5650 to 5700	--	--	68.2 to 105.2	--	Complied
5700 to 5720	--	--	105.2 to 110.8	--	Complied
5720 to 5725	5725.00	58.11	110.8 to 122.2	64.09	Complied

Results: CH161 / Upper Band Edge / Peak

Frequency Range (MHz)	Frequency (MHz)	Peak Level (dBµV/m)	Limit Range (dBµV/m)	Margin (dB)	Result
5850 to 5855	5850.00	63.97	122.2 to 110.8	58.23	Complied
5855 to 5875	--	--	110.8 to 105.2	--	Complied
5875 to 5925	--	--	105.2 to 68.2	--	Complied
F ≥ 5925	5934.29	65.30	68.2	2.90	Complied



Lower Band Edge Measurement



Upper Band Edge Measurement

Result: Pass

Transmitter Band Edge Radiated Emissions (continued)

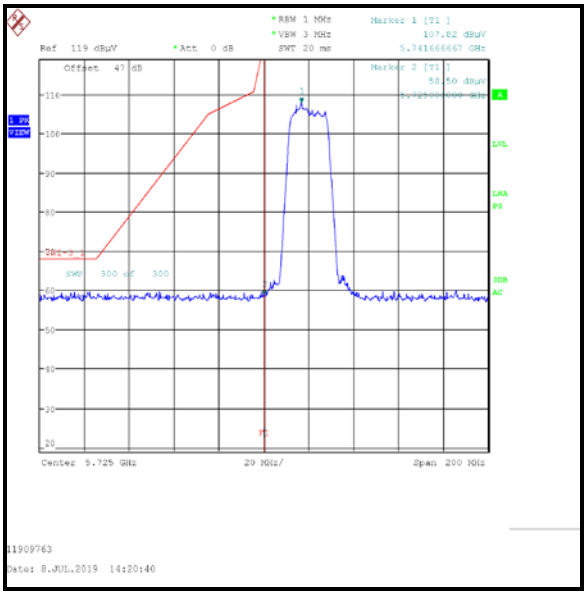
Results: 802.11n / 20 MHz / MCS0 / MIMO / Port 1+2+3+4 / PWL 11 / 23 dBi Antenna Group

Results: CH149 / Lower Band Edge / Peak

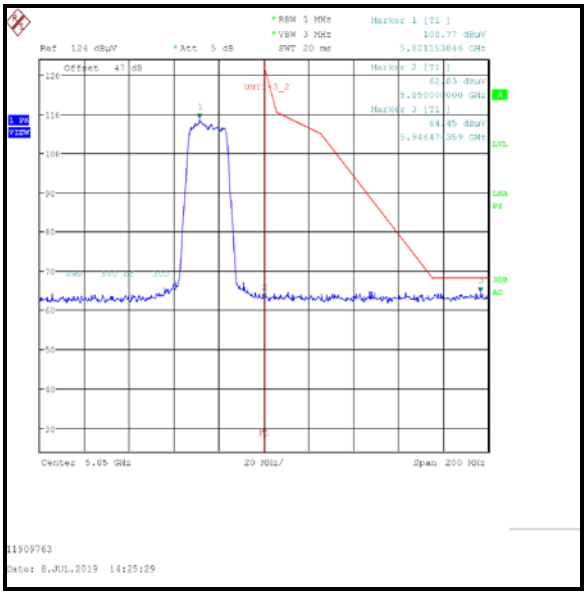
Frequency Range (MHz)	Frequency (MHz)	Peak Level (dBµV/m)	Limit Range (dBµV/m)	Margin (dB)	Result
F ≤ 5650	5647.50	59.80	68.2	8.40	Complied
5650 to 5700	--	--	68.2 to 105.2	--	Complied
5700 to 5720	--	--	105.2 to 110.8	--	Complied
5720 to 5725	5725.00	58.50	110.8 to 122.2	63.70	Complied

Results: CH165 / Upper Band Edge / Peak

Frequency Range (MHz)	Frequency (MHz)	Peak Level (dBµV/m)	Limit Range (dBµV/m)	Margin (dB)	Result
5850 to 5855	5850.00	62.83	122.2 to 110.8	59.37	Complied
5855 to 5875	--	--	110.8 to 105.2	--	Complied
5875 to 5925	--	--	105.2 to 68.2	--	Complied
F ≥ 5925	5946.47	64.45	68.2	3.75	Complied



Lower Band Edge Measurement



Upper Band Edge Measurement

Result: Pass

Transmitter Band Edge Radiated Emissions (continued)

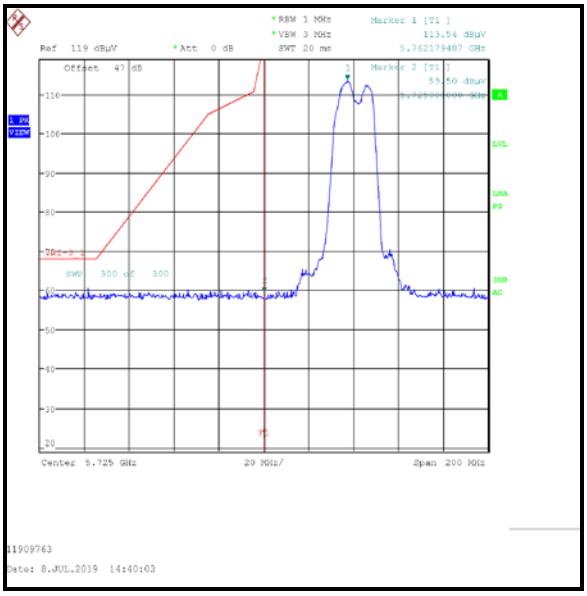
Results: 802.11n / 20 MHz / MCS0 / MIMO / Port 1+2+3+4 / PWL 16 / 23 dBi Antenna Group

Results: CH153 / Lower Band Edge / Peak

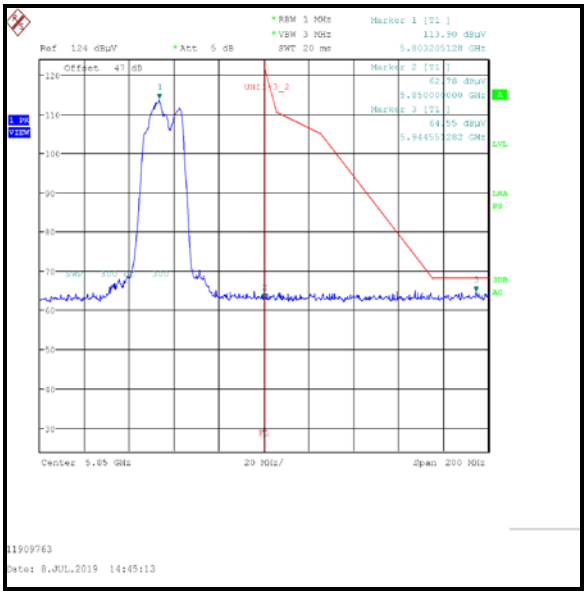
Frequency Range (MHz)	Frequency (MHz)	Peak Level (dBµV/m)	Limit Range (dBµV/m)	Margin (dB)	Result
F ≤ 5650	5647.00	60.55	68.2	7.65	Complied
5650 to 5700	--	--	68.2 to 105.2	--	Complied
5700 to 5720	--	--	105.2 to 110.8	--	Complied
5720 to 5725	5725.00	59.50	110.8 to 122.2	62.70	Complied

Results: CH161 / Upper Band Edge / Peak

Frequency Range (MHz)	Frequency (MHz)	Peak Level (dBµV/m)	Limit Range (dBµV/m)	Margin (dB)	Result
5850 to 5855	5850.00	62.78	122.2 to 110.8	59.42	Complied
5855 to 5875	--	--	110.8 to 105.2	--	Complied
5875 to 5925	--	--	105.2 to 68.2	--	Complied
F ≥ 5925	5944.55	64.55	68.2	3.65	Complied



Lower Band Edge Measurement



Upper Band Edge Measurement

Result: Pass

Transmitter Band Edge Radiated Emissions (continued)

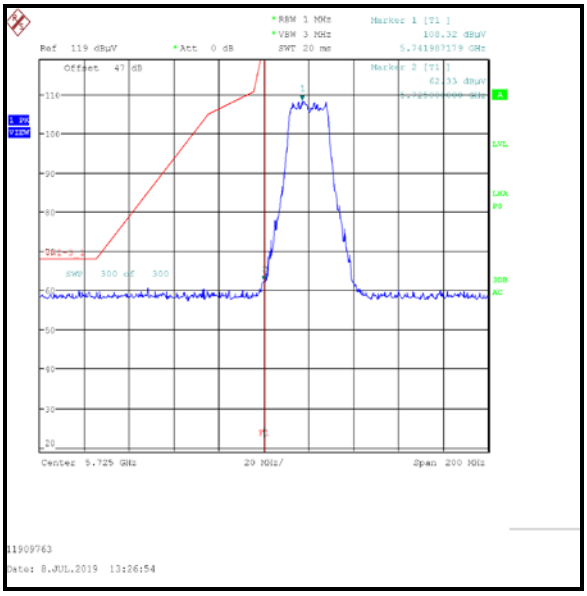
Results: 802.11ac / 20 MHz / MCS0 / MIMO / Port 1+2+3+4 / PWL 11 / 23 dBi Antenna Group

Results: CH149 / Lower Band Edge / Peak

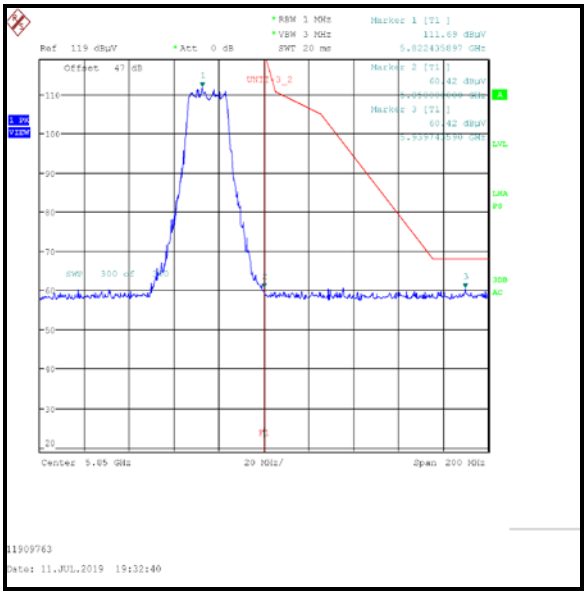
Frequency Range (MHz)	Frequency (MHz)	Peak Level (dBµV/m)	Limit Range (dBµV/m)	Margin (dB)	Result
F ≤ 5650	5642.00	60.00	68.2	8.20	Complied
5650 to 5700	--	--	68.2 to 105.2	--	Complied
5700 to 5720	--	--	105.2 to 110.8	--	Complied
5720 to 5725	5725.00	62.33	110.8 to 122.2	59.87	Complied

Results: CH165/ Upper Band Edge / Peak

Frequency Range (MHz)	Frequency (MHz)	Peak Level (dBµV/m)	Limit Range (dBµV/m)	Margin (dB)	Result
5850 to 5855	5850.00	60.42	122.2 to 110.8	61.78	Complied
5855 to 5875	--	--	110.8 to 105.2	--	Complied
5875 to 5925	--	--	105.2 to 68.2	--	Complied
F ≥ 5925	5939.74	60.42	68.2	7.78	Complied



Lower Band Edge Measurement



Upper Band Edge Measurement

Result: Pass

Transmitter Band Edge Radiated Emissions (continued)

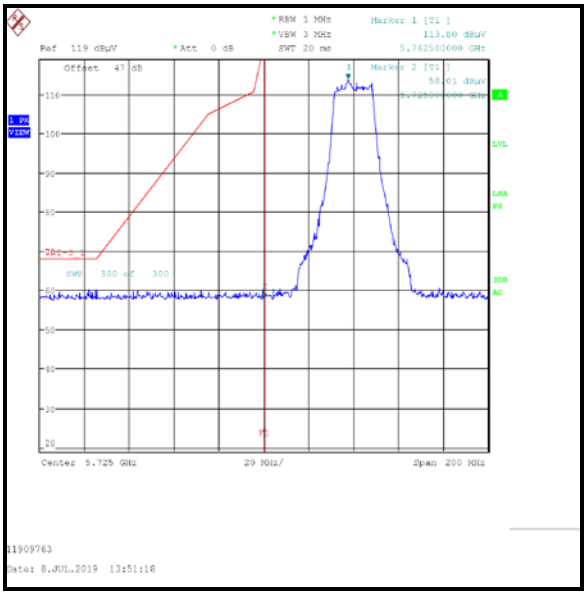
Results: 802.11ac / 20 MHz / MCS0 / MIMO / Port 1+2+3+4 / PWL 16 / 23 dBi Antenna Group

Results: CH153 / Lower Band Edge / Peak

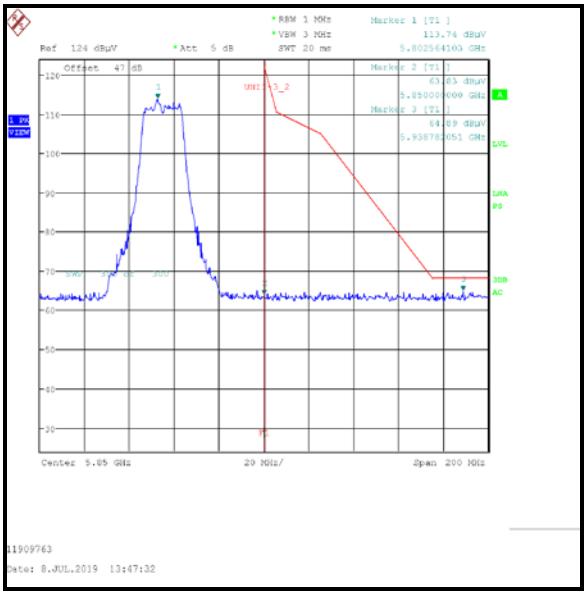
Frequency Range (MHz)	Frequency (MHz)	Peak Level (dBµV/m)	Limit Range (dBµV/m)	Margin (dB)	Result
F ≤ 5650	5650.0	60.35	68.2	7.85	Complied
5650 to 5700	--	--	68.2 to 105.2	--	Complied
5700 to 5720	--	--	105.2 to 110.8	--	Complied
5720 to 5725	5725.00	58.01	110.8 to 122.2	64.19	Complied

Results: CH161/ Upper Band Edge / Peak

Frequency Range (MHz)	Frequency (MHz)	Peak Level (dBµV/m)	Limit Range (dBµV/m)	Margin (dB)	Result
5850 to 5855	5850.00	63.83	122.2 to 110.8	58.37	Complied
5855 to 5875	--	--	110.8 to 105.2	--	Complied
5875 to 5925	--	--	105.2 to 68.2	--	Complied
F ≥ 5925	5938.78	64.89	68.2	3.31	Complied



Lower Band Edge Measurement



Upper Band Edge Measurement

Result: Pass

Transmitter Band Edge Radiated Emissions (continued)

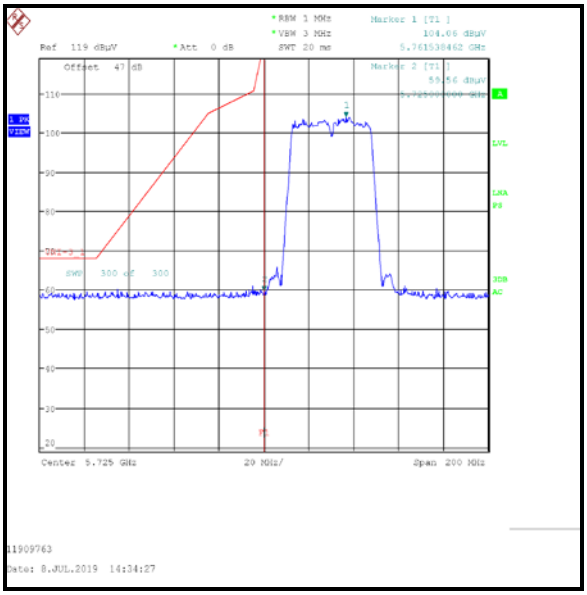
Results: 802.11n / 40 MHz / MCS0 / MIMO / Port 1+2+3+4 / PWL 11 / 23 dBi Antenna Group

Results: CH151 / Lower Band Edge / Peak

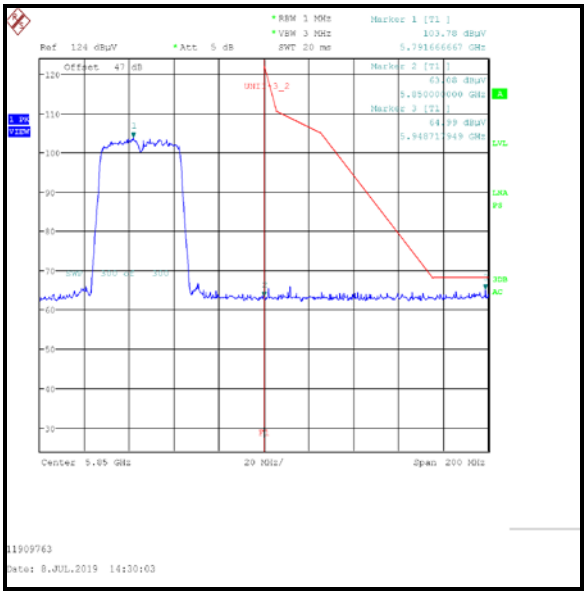
Frequency Range (MHz)	Frequency (MHz)	Peak Level (dBµV/m)	Limit Range (dBµV/m)	Margin (dB)	Result
F ≤ 5650	5647.00	59.80	68.2	8.40	Complied
5650 to 5700	--	--	68.2 to 105.2	--	Complied
5700 to 5720	--	--	105.2 to 110.8	--	Complied
5720 to 5725	5725.00	59.56	110.8 to 122.2	62.64	Complied

Results: CH159/ Upper Band Edge / Peak

Frequency Range (MHz)	Frequency (MHz)	Peak Level (dBµV/m)	Limit Range (dBµV/m)	Margin (dB)	Result
5850 to 5855	5850.00	63.08	122.2 to 110.8	59.12	Complied
5855 to 5875	--	--	110.8 to 105.2	--	Complied
5875 to 5925	--	--	105.2 to 68.2	--	Complied
F ≥ 5925	5948.71	64.99	68.2	3.21	Complied



Lower Band Edge Measurement



Upper Band Edge Measurement

Result: Pass

Transmitter Band Edge Radiated Emissions (continued)

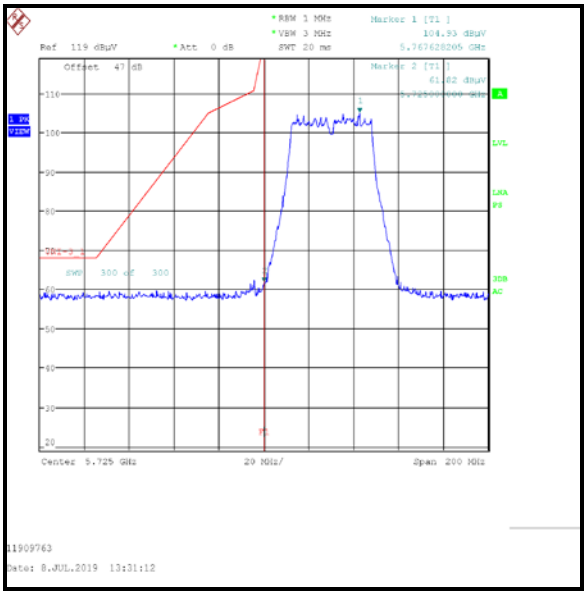
Results: 802.11ac / 40 MHz / MCS0 / MIMO / Port 1+2+3+4 / PWL 11 / 23 dBi Antenna Group

Results: CH151 / Lower Band Edge / Peak

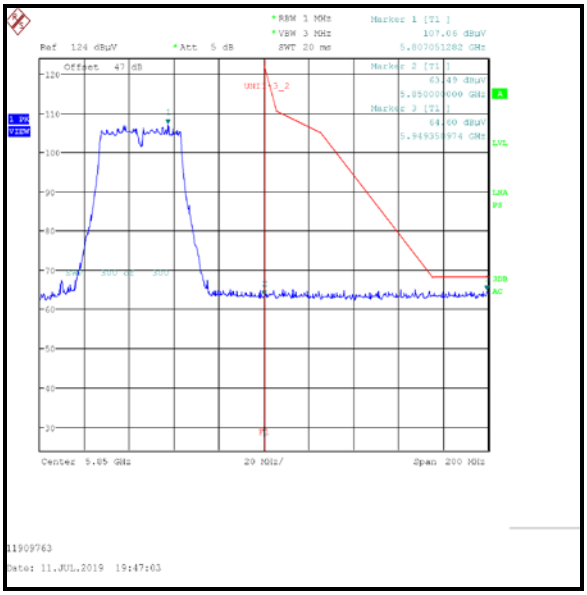
Frequency Range (MHz)	Frequency (MHz)	Peak Level (dBµV/m)	Limit Range (dBµV/m)	Margin (dB)	Result
F ≤ 5650	5628.00	59.10	68.2	9.10	Complied
5650 to 5700	--	--	68.2 to 105.2	--	Complied
5700 to 5720	--	--	105.2 to 110.8	--	Complied
5720 to 5725	5725.00	61.82	110.8 to 122.2	60.38	Complied

Results: CH159/ Upper Band Edge / Peak

Frequency Range (MHz)	Frequency (MHz)	Peak Level (dBµV/m)	Limit Range (dBµV/m)	Margin (dB)	Result
5850 to 5855	5850.00	63.49	122.2 to 110.8	58.71	Complied
5855 to 5875	--	--	110.8 to 105.2	--	Complied
5875 to 5925	--	--	105.2 to 68.2	--	Complied
F ≥ 5925	5949.35	64.60	68.2	3.60	Complied



Lower Band Edge Measurement



Upper Band Edge Measurement

Result: Pass

Transmitter Band Edge Radiated Emissions (continued)

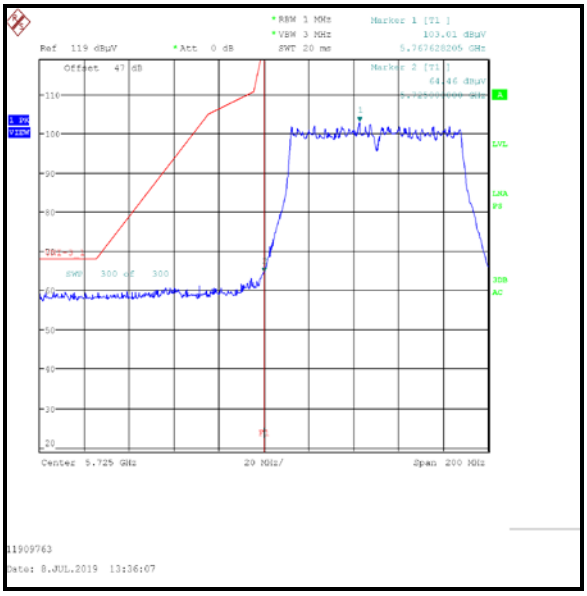
Results: 802.11ac / 80 MHz / MCS0 / MIMO/ Port 1+2+3+4 / PWL 11 / 23 dBi Antenna Group

Results: CH155 / Lower Band Edge / Peak

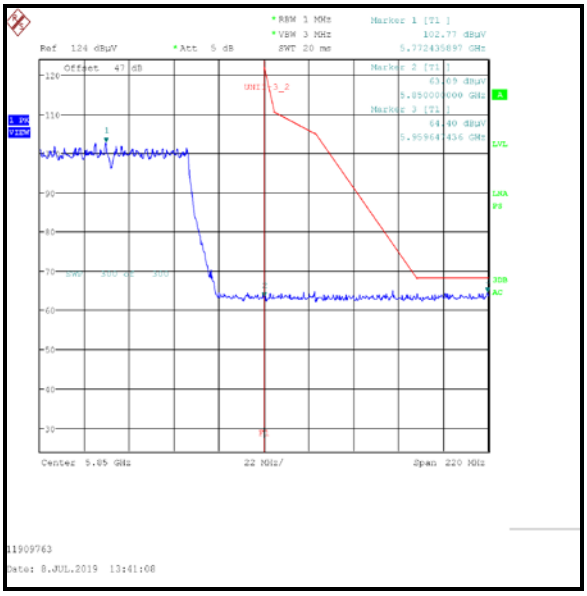
Frequency Range (MHz)	Frequency (MHz)	Peak Level (dBµV/m)	Limit Range (dBµV/m)	Margin (dB)	Result
F ≤ 5650	5628.00	59.85	68.2	8.35	Complied
5650 to 5700	--	--	68.2 to 105.2	--	Complied
5700 to 5720	--	--	105.2 to 110.8	--	Complied
5720 to 5725	5725.00	64.46	110.8 to 122.2	57.74	Complied

Results: CH155/ Upper Band Edge / Peak

Frequency Range (MHz)	Frequency (MHz)	Peak Level (dBµV/m)	Limit Range (dBµV/m)	Margin (dB)	Result
5850 to 5855	5850.00	63.09	122.2 to 110.8	59.11	Complied
5855 to 5875	--	--	110.8 to 105.2	--	Complied
5875 to 5925	--	--	105.2 to 68.2	--	Complied
F ≥ 5925	5959.64	64.40	68.2	3.80	Complied



Lower Band Edge Measurement



Upper Band Edge Measurement

Result: Pass

6.Measurement Uncertainty

The expression of uncertainty of a measurement result allows realistic comparison of results with reference values and limits given in specifications and standards.

The uncertainty of the result may need to be taken into account when interpreting the measurement results.

The reported expanded uncertainties below are based on a standard uncertainty multiplied by an appropriate coverage factor such that a confidence level of approximately 95% is maintained. For the purposes of this document “approximately” is interpreted as meaning “effectively” or “for most practical purposes”.

Measurement Type	Confidence Level (%)	Calculated Uncertainty
AC Conducted Spurious Emissions	95%	±2.49 dB
Conducted Maximum Peak Output Power	95%	±0.59 dB
Conducted Spurious Emissions	95%	±0.59 dB
Radiated Spurious Emissions	95%	±3.10 dB
Band Edge Radiated Emissions	95%	±3.10 dB
Transmitter Duty Cycle	95%	±3.4%
Minimum 6 dB Bandwidth	95%	±0.87 %
26 dB Emission Bandwidth	95%	±0.87 %

The methods used to calculate the above uncertainties are in line with those recommended within the various measurement specifications. Where measurement specifications do not include guidelines for the evaluation of measurement uncertainty the published guidance of the appropriate accreditation body is followed.

7.Used equipment

Test site: SR 1/2

ID	Manufacturer	Type	Model	Serial	Cal Date	Cal. Cycle
1	Rohde & Schwarz	Antenna, Loop	HFH2-Z2	831247/012	2019-07-11	36
377	BONN Elektronik	Amplifier, Low Noise Pre	BLMA 0118-1A	025294B	2019-07-10	12
423	Bonn Elektronik	Amplifier, Low Noise Pre	BLMA 1840-1A	55929	2019-07-16	12
460	Deisl	Turntable	DT 4250 S		n/a	n/a
465	Schwarzbeck	Antenna, Trilog Broadband	VULB 9168	9168-240	2019-03-20	24
496	Rohde & Schwarz	Antenna, log. - periodical	HL050	100297	2019-02-19	36
587	Maturo	antenna mast, tilting	TAM 4.0-E	011/7180311	n/a	n/a
588	Maturo	Controller	NCD	029/7180311	n/a	n/a
591	Rohde & Schwarz	Receiver	ESU 40	100244/040	2019-07-09	12
607	Schwarzbeck	Antenna broadband horn antenna	BBHA 9170	9170-561	lab verification	n/a
608	Rohde & Schwarz	Switch Matrix	OSP 120	101227	lab verification	n/a
620	Bonn Elektronik	pre-amplifier	BLNA 0110-01N	1510111	2019-07-11	24
614	Wainwright Instruments	Highpass Filter 3GHz	WHKX10-	1	lab verification	n/a
628	Maturo	Antenna mast	CAM 4.0-P	224/19590716	n/a	n/a
629	Maturo	Kippeinrichtung	KE 2.5-R-M	MAT002	n/a	n/a
-/-	Testo	Thermo-Hygrometer	608-H1	01	lab verification	n/a
1603665	Siemens Matsushita Components	shielded room		B83117-A1421-T161	n/a	n/a

Test site: SR 7/8

ID	Manufacturer	Type	Model	Serial	Cal Date	Cal. Cycle
22	Rohde & Schwarz	Artificial Mains	ESH3-Z5	831767/014	2019-07-09	12
23	Rohde & Schwarz	Artificial Mains	ESH3-Z5	831767/013	2019-07-09	12
28	Rohde & Schwarz	Passive Probe	ESH2-Z3	none	2019-07-11	12
215	Rohde & Schwarz	Artificial Mains Network	ESH2-Z5	879675/002	2019-07-05	12
349	Rohde & Schwarz	Receiver, EMI Test	ESIB7	836697/009	2019-07-10	12
351	Rohde & Schwarz	network, Artificial Mains	ESH3-Z5	862770/018	2019-07-08	12
370	Rohde & Schwarz	Current probe	EZ-17	833335/010	2019-07-11	24
564	Teseq	Impedance stabilisation network (ISN)	ISN T800	26076	2019-07-08	24
565	Teseq	Impedance stabilisation network (ISN)	ISN ST08	26575	2019-07-09	12
616	Rohde & Schwarz	ISN	ENY81-CA6	101656	2019-07-09	12
-/-	Testo	Thermo-Hygrometer	608-H1	08	lab verification	n/a
1603671	Siemens Matsushita Components	shielded room		B83117-A1421-T162	n/a	n/a

Test site: SR 9

ID	Manufacturer	Type	Model	Serial	Calibration Date	Cal. Cycle
614	Wainwright Instruments	Highpass Filter 3GHz	WHKX10-	1	lab verification	n/a
621	Ahlborn-Almemo	Temperatur-/ Feuchtemessgerät	MA2470-S2	H16080099	2019-05-03	12
637	Rohde & Schwarz	Spectrum Analyzer	FSV40	101587	2019-07-11	12
445	Huber & Suhner	RF Attenuator (10dB)	6810.17.AC	--	Cal Before Use	12
-/-	Testo	Thermo-Hygrometer	608-H1	07	lab verification	n/a
1603668	Siemens Matsushita Components	shielded room		B83117-B1422-T161	n/a	n/a

8.Report Revision History

Version Number	Revision Details		
	Page No(s)	Clause	Details
1.0	782	-	Initial Version