Transmitter Conducted Spurious Emissions (continued)

8 dBi Antenna Group

Results: 802.11n / HT20 / MCS0 / Port 1 / PWL 26 / CH 149 / 8 dBi Antenna Group

Peak Detector / CH 149

Frequency (MHz)	Analyzer Peak Level (dBm)	Ground Reflection Factor (dB)	Antenna Gain (dBi)	4-Port MIMO Antenna Factor (dB)	Corrected Peak Level (dBm)
17239.820	-50.05	0.0	8.0	6.02	-36.03

Frequency (MHz)	Corrected Peak Level (dBm)	EIRP(dBm) to EIRP (dBμV/m) Factor	Converted Field Strength Peak Level (dBμV/m)	Peak Limit (dBμV/m)	Margin (dB)	Result
17239.820	-36.03	95.20	59.17	68.2	9.03	Complied

RMS Detector/ CH 149

Frequency (MHz)	Analyzer RMS Level (dBm)	Duty Cycle Correction (dB)	Ground Reflection Factor (dB)	Antenna Gain (dBi)	4-Port MIMO Antenna Factor (dB)	Corrected RMS Level (dBm)
17240.736	-62.53	0.5	0.0	8.0	6.02	-48.01

Frequency (MHz)	Corrected RMS Level (dBm)	EIRP(dBm) to EIRP (dBμV/m) Factor	Converted Field Strength RMS Level (dBμV/m)	Average Limit (dBμV/m)	Margin (dB)	Result
17240.736	-48.01	95.2	47.19	54	6.81	Complied

Result: Pass

Transmitter Spurious Emissions (continued)

Results: 802.11n / HT20 / MCS0 / Port 1 / PWL 26 / CH 157 / 8 dBi Antenna Group

Peak Detector / CH 157

Frequency (MHz)	Analyzer Peak Level (dBm)	Ground Reflection Factor (dB)	Antenna Gain (dBi)	4-Port MIMO Antenna Factor (dB)	Corrected Peak Level (dBm)
17360.364	-52.84	0.0	8.0	6.02	-38.82

Frequency (MHz)	Corrected Peak Level (dBm)	EIRP(dBm) to EIRP (dBμV/m) Factor	Converted Field Strength Peak Level (dBμV/m)	Peak Limit (dBμV/m)	Margin (dB)	Result
17360.364	-38.82	95.20	56.38	68.2	11.82	Complied

RMS Detector/ CH 157

Frequency (MHz)	Analyzer RMS Level (dBm)	Duty Cycle Correction (dB)	Ground Reflection Factor (dB)	Antenna Gain (dBi)	4-Port MIMO Antenna Factor (dB)	Corrected RMS Level (dBm)
17357.680	-65.67	0.5	0.0	8.0	6.02	-51.15

Frequency (MHz)	Corrected RMS Level (dBm)	EIRP(dBm) to EIRP (dBμV/m) Factor	Converted Field Strength RMS Level (dBμV/m)	Average Limit (dBμV/m)	Margin (dB)	Result
17357.680	-51.15	95.20	44.05	54	9.95	Complied

Result: Pass

Transmitter Spurious Emissions (continued)

Results: 802.11n / HT20 / MCS0 / Port 1 / PWL 26 / CH 165 / 8 dBi Antenna Group

Peak Detector/ CH165

Frequency (MHz)	Analyzer Peak Level (dBm)	Ground Reflection Factor (dB)	Antenna Gain (dBi)	4-Port MIMO Antenna Factor (dB)	Corrected Peak Level (dBm)
17478.733	-50.12	0.0	8.0	6.02	-36.10

Frequency (MHz)	Corrected Peak Level (dBm)	EIRP(dBm) to EIRP (dBμV/m) Factor	Converted Field Strength Peak Level (dBμV/m)	Peak Limit (dBμV/m)	Margin (dB)	Result
17478.733	-36.10	95.20	59.10	68.2	9.10	Complied

RMS Detector/ CH165

Frequency (MHz)	Analyzer RMS Level (dBm)	Duty Cycle Correction (dB)	Ground Reflection Factor (dB)	Antenna Gain (dBi)	4-Port MIMO Antenna Factor (dB)	Corrected RMS Level (dBm)
17476.220	-62.86	0.5	0.0	8.0	6.02	-48.34

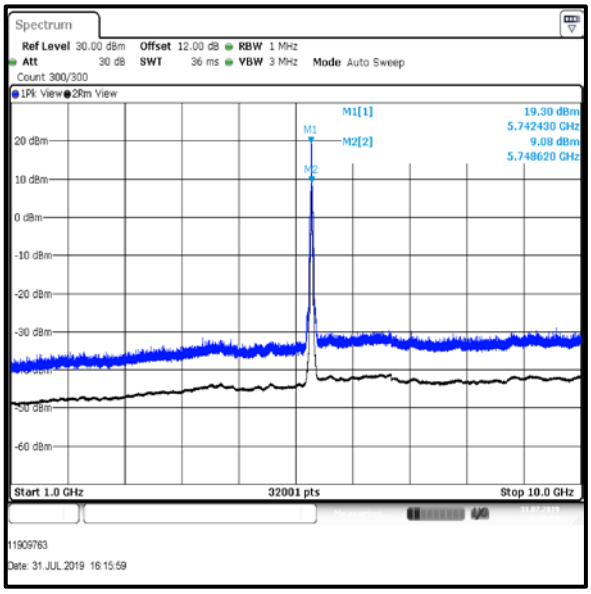
Frequency (MHz)	Corrected RMS Level (dBm)	EIRP(dBm) to EIRP (dBμV/m) Factor	Converted Field Strength RMS Level (dBμV/m)	Average Limit (dBμV/m)	Margin (dB)	Result
17476.220	-48.34	95.20	46.86	54	7.14	Complied

Result: Pass

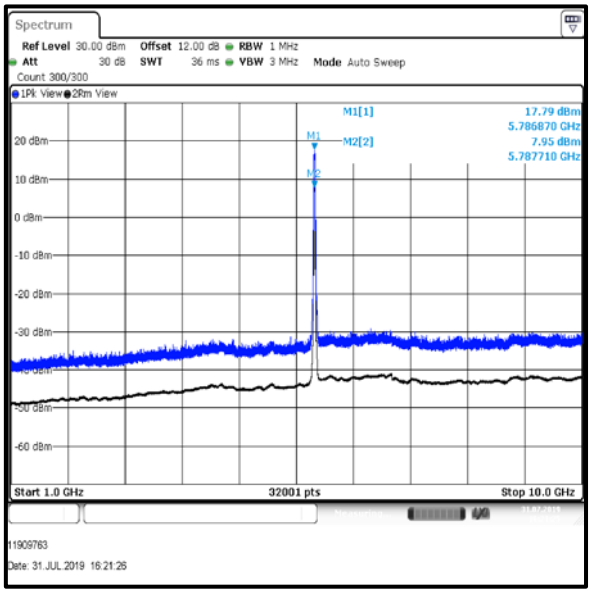
Transmitter Spurious Emissions (continued)

Results: 802.11 n / HT20 / MCS0 / SISO / Port 1 / PWL 26 / 8 dBi Antenna Group

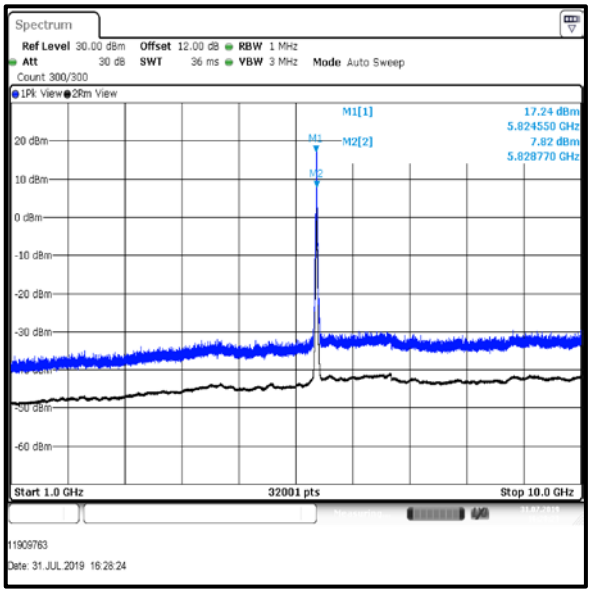
Plots: 1 GHz to 10 GHz



Bottom Channel (CH 149)



Middle Channel (CH 157)



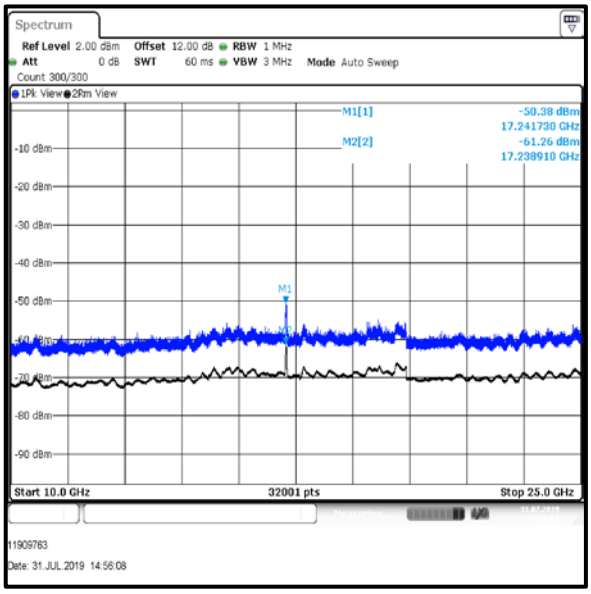
Top Channel (CH 165)

Note: This plot is a pre-scan and for indication purposes only. For final measurements, see table above.

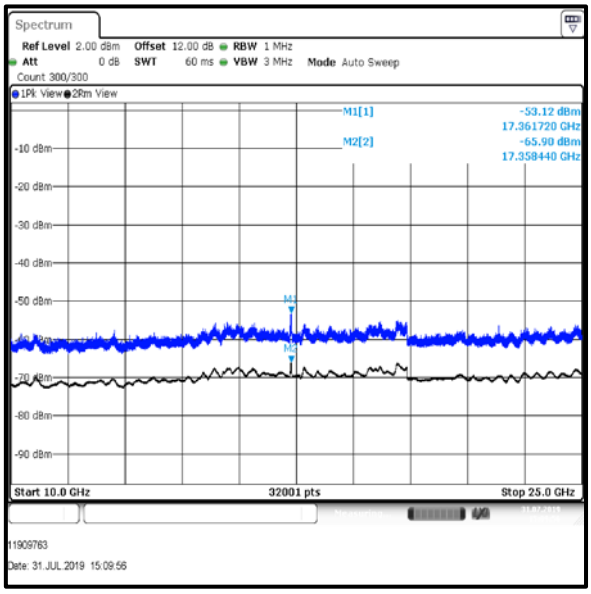
Transmitter Spurious Emissions (continued)

Results: 802.11n / HT20 / MCS0 / SISO / Port 1 / PWL 26 / 8 dBi Antenna Group

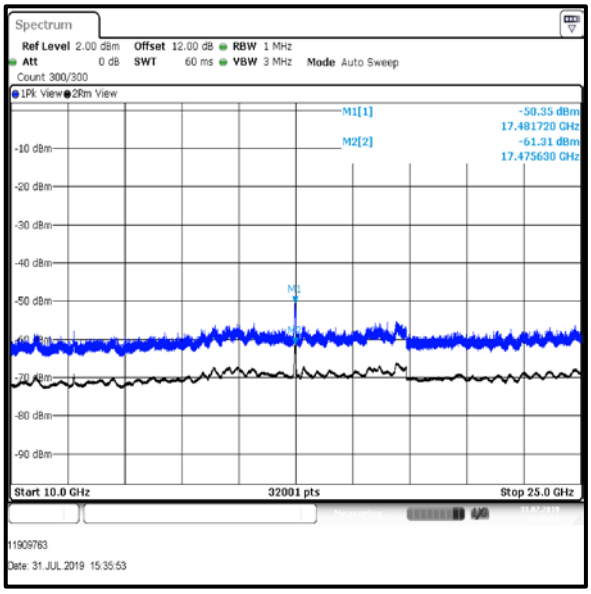
Plots:10 GHz to 25 GHz



Bottom Channel (CH 149)



Middle Channel (CH 157)



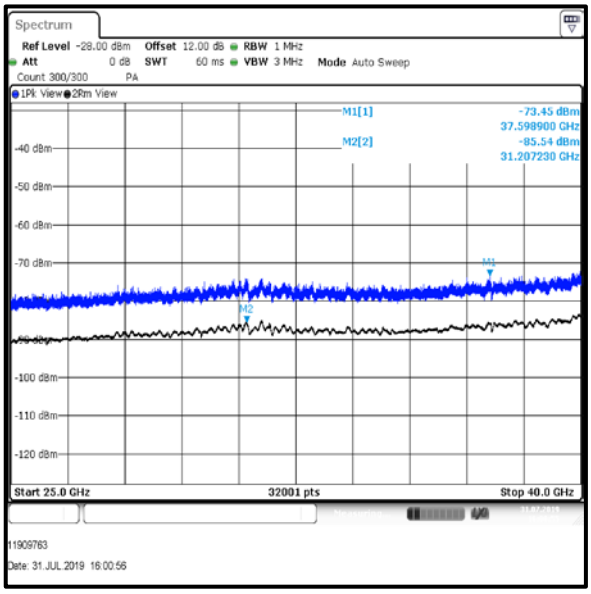
Top Channel (CH 165)

Note: This plot is a pre-scan and for indication purposes only. For final measurements, see table above.

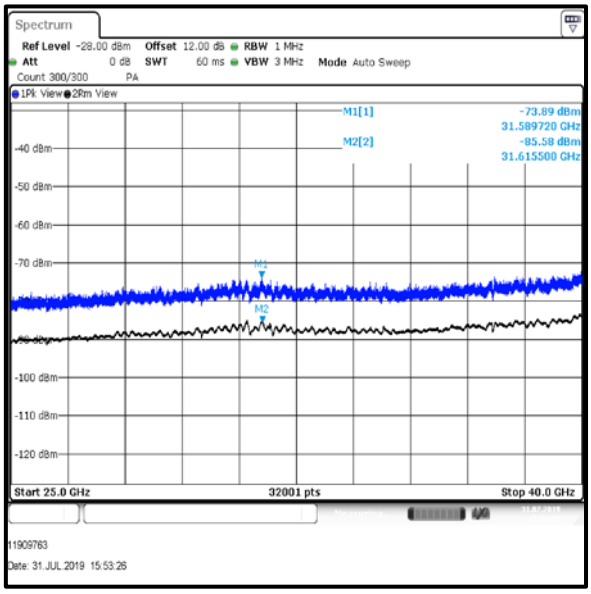
Transmitter Spurious Emissions (continued)

Results: 802.11n / HT20 / MCS0 / SISO / Port 1 / PWL 26 / 8 dBi Antenna Group

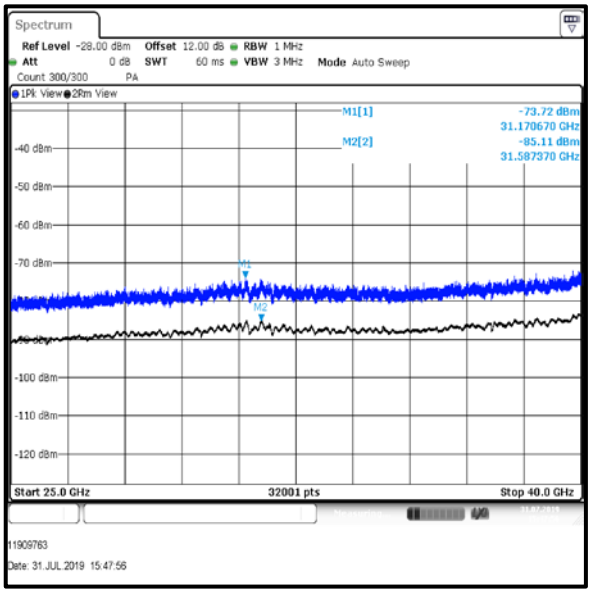
Plots: 25 GHz to 40 GHz



Bottom Channel (CH 149)



Middle Channel (CH 157)



Top Channel (CH 165)

Note: This plot is a pre-scan and for indication purposes only. For final measurements, see table above.

Transmitter Conducted Spurious Emissions (continued)

9 dBi Antenna Group

Results: 802.11n / HT20 / MCS0 / Port 1 / PWL 26 / CH 149 / 9 dBi Antenna Group

Peak Detector / CH 149

Frequency (MHz)	Analyzer Peak Level (dBm)	Ground Reflection Factor (dB)	Antenna Gain (dBi)	4-Port MIMO Antenna Factor (dB)	Corrected Peak Level (dBm)
17239.820	-50.05	0.0	9.0	6.02	-35.03

Frequency (MHz)	Corrected Peak Level (dBm)	EIRP(dBm) to EIRP (dBμV/m) Factor	Converted Field Strength Peak Level (dBμV/m)	Peak Limit (dBμV/m)	Margin (dB)	Result
17239.820	-35.03	95.20	60.17	68.2	8.03	Complied

RMS Detector/ CH149

Frequency (MHz)	Analyzer RMS Level (dBm)	Duty Cycle Correction (dB)	Ground Reflection Factor (dB)	Antenna Gain (dBi)	4-Port MIMO Antenna Factor (dB)	Corrected RMS Level (dBm)
17240.736	-62.53	0.5	0.0	9.0	6.02	-47.01

Frequency (MHz)	Corrected RMS Level (dBm)	EIRP(dBm) to EIRP (dBμV/m) Factor	Converted Field Strength RMS Level (dBμV/m)	Average Limit (dBμV/m)	Margin (dB)	Result
17240.736	-47.01	95.2	48.19	54	5.81	Complied

Result: Pass

Transmitter Conducted Spurious Emissions (continued)

9 dBi Antenna Group

Results: 802.11n / HT20 / MCS0 / Port 1 / PWL 26 / CH 157 / 9 dBi Antenna Group

Peak Detector/ CH157

Frequency (MHz)	Analyzer Peak Level (dBm)	Ground Reflection Factor (dB)	Antenna Gain (dBi)	4-Port MIMO Antenna Factor (dB)	Corrected Peak Level (dBm)
17360.364	-52.84	0.0	9.0	6.02	-37.82

Frequency (MHz)	Corrected Peak Level (dBm)	EIRP(dBm) to EIRP (dBμV/m) Factor	Converted Field Strength Peak Level (dBμV/m)	Peak Limit (dBμV/m)	Margin (dB)	Result
17360.364	-37.82	95.20	57.38	68.2	10.82	Complied

RMS Detector / CH157

Frequency (MHz)	Analyzer RMS Level (dBm)	Duty Cycle Correction (dB)	Ground reflection Factor (dB)	Antenna Gain (dBi)	4-Port MIMO Antenna Factor (dB)	Corrected RMS Level (dBm)
17357.680	-65.67	0.5	0.0	9.0	6.02	-50.15

Frequency (MHz)	Corrected RMS Level (dBm)	EIRP(dBm) to EIRP (dBμV/m) Factor	Converted Field Strength RMS Level (dBμV/m)	Average Limit (dBμV/m)	Margin (dB)	Result
17357.680	-50.15	95.20	45.05	54	8.95	Complied

Result: Pass

Transmitter Conducted Spurious Emissions (continued)

9 dBi Antenna Group

Results: 802.11n / HT20 / MCS0 / Port 1 / PWL 26 / CH 165 / 9 dBi Antenna Group

Peak Detector/ CH 165

Frequency (MHz)	Analyzer Peak Level (dBm)	Ground Reflection Factor (dB)	Antenna Gain (dBi)	4-Port MIMO Antenna Factor (dB)	Corrected Peak Level (dBm)
17478.733	-50.12	0.0	9.0	6.02	-35.10

Frequency (MHz)	Corrected Peak Level (dBm)	EIRP(dBm) to EIRP (dBμV/m) Factor	Converted Field Strength Peak Level (dBμV/m)	Peak Limit (dBμV/m)	Margin (dB)	Result
17478.733	-35.10	95.20	60.10	68.2	8.10	Complied

RMS Detector/ CH 165

Frequency (MHz)	Analyzer RMS Level (dBm)	Duty Cycle Correction dB)	Ground Reflection Factor (dB)	Antenna Gain (dBi)	4-Port MIMO Antenna Factor (dB)	Corrected RMS Level (dBm)
17476.220	-62.86	0.5	0.0	9.0	6.02	-47.34

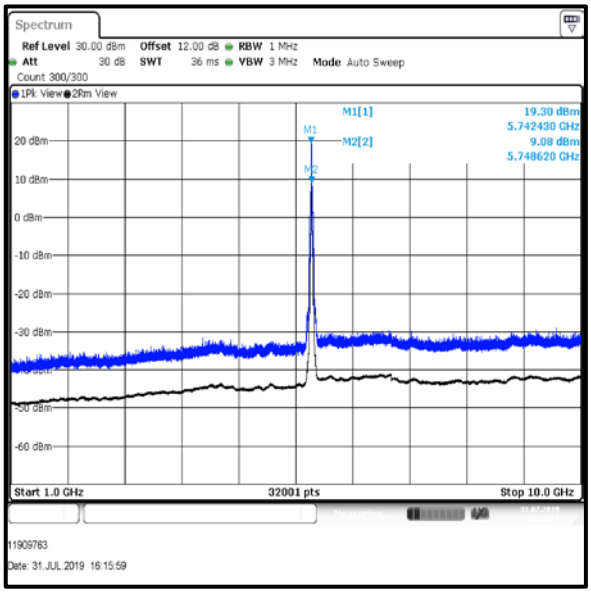
Frequency (MHz)	Corrected RMS Level (dBm)	EIRP(dBm) to EIRP (dBμV/m) Factor	Converted Field Strength RMS Level (dBμV/m)	Average Limit (dBμV/m)	Margin (dB)	Result
17476.220	-47.34	95.20	47.86	54	6.14	Complied

Result: Pass

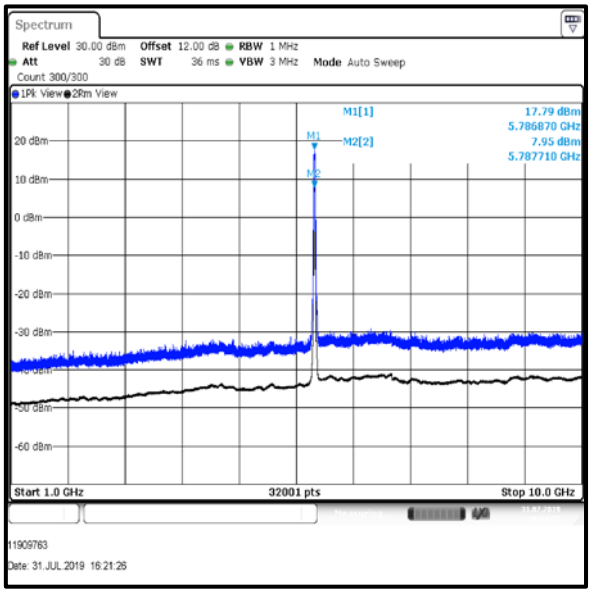
Transmitter Conducted Spurious Emissions (continued)

Results: 802.11n / HT20 / MCS0 / SISO / Port 1 / PWL 26 / 9 dBi Antenna Group

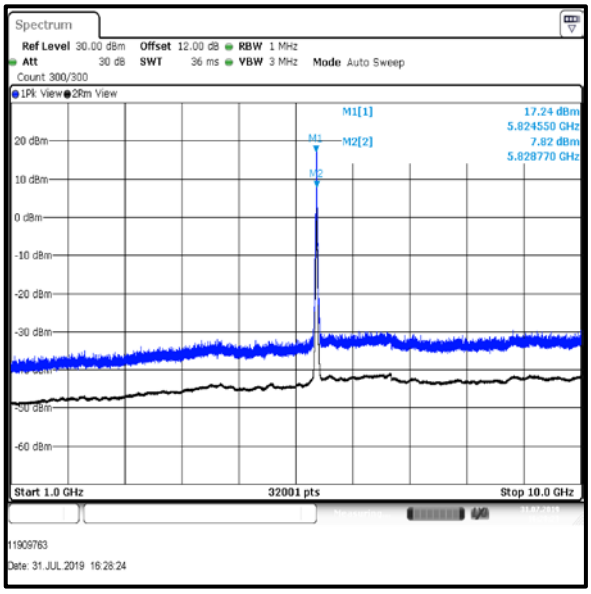
Plots: 1 GHz to 10 GHz



Bottom Channel (CH 149)



Middle Channel (CH 157)



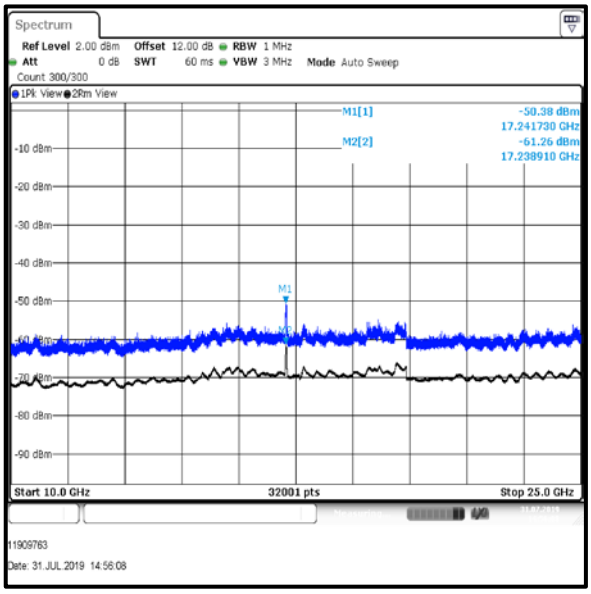
Top Channel (CH 165)

Note: This plot is a pre-scan and for indication purposes only. For final measurements, see table above.

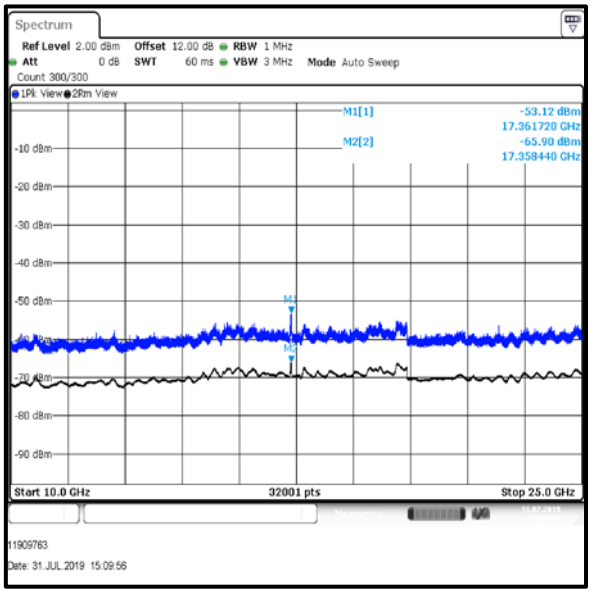
Transmitter Conducted Spurious Emissions (continued)

Results: 802.11n / HT20 / MCS0 / SISO / Port 1 / PWL 26 / 9 dBi Antenna Group

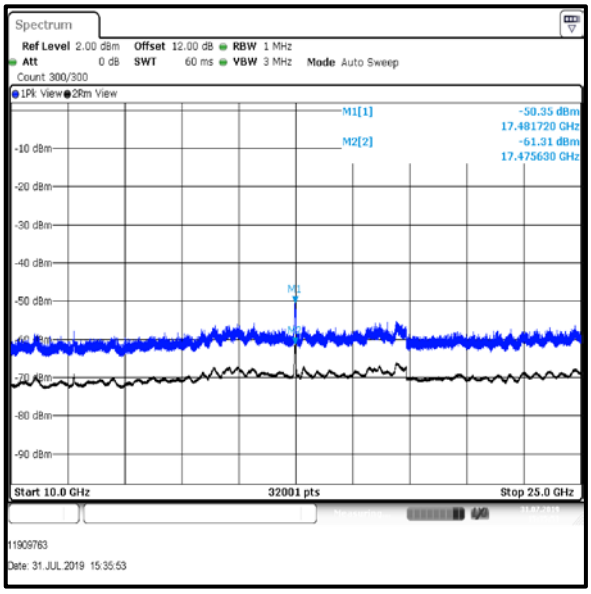
Plots: 10 GHz to 25 GHz



Bottom Channel (CH 149)



Middle Channel (CH 157)



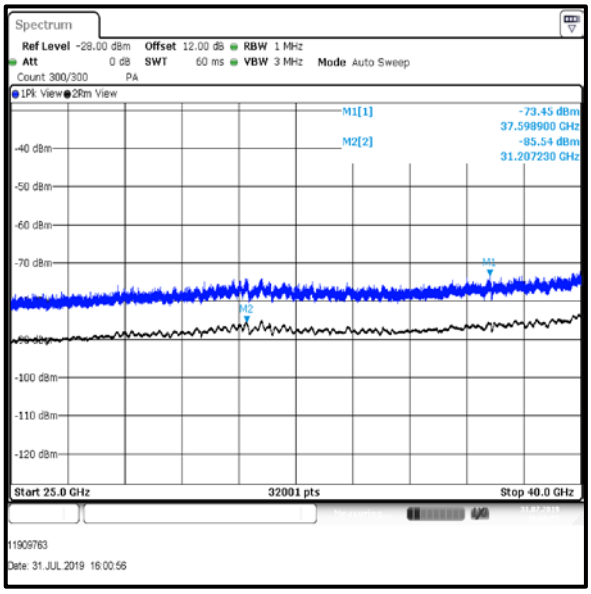
Top Channel (CH 165)

Note: This plot is a pre-scan and for indication purposes only. For final measurements, see table above.

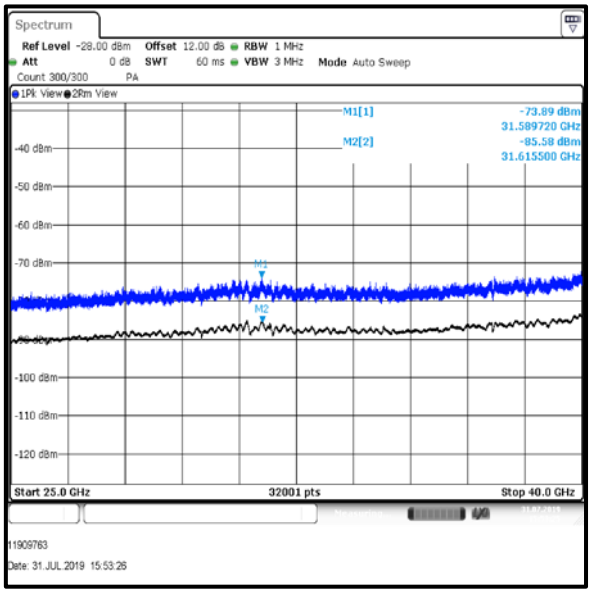
Transmitter Conducted Spurious Emissions (continued)

Results: 802.11n / HT20 / MCS0 / SISO / Port 1 / PWL 26 / 9 dBi Antenna Group

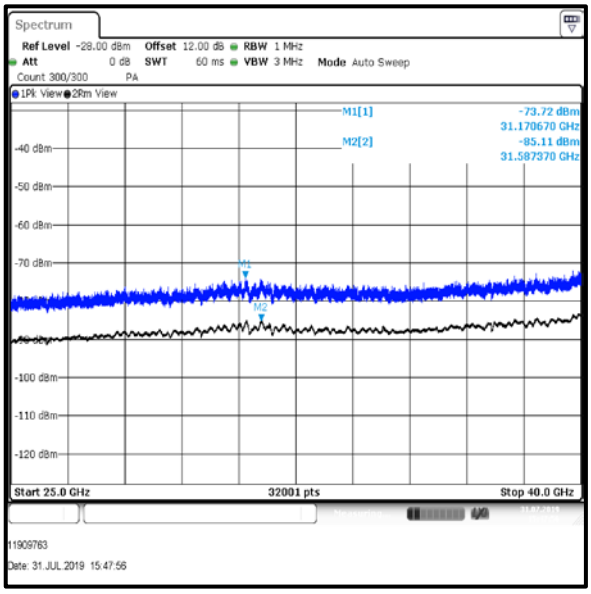
Plots: 25 GHz to 40 GHz



Bottom Channel (CH 149)



Middle Channel (CH 157)



Top Channel (CH 165)

Note: This plot is a pre-scan and for indication purposes only. For final measurements, see table above.

Transmitter Conducted Spurious Emissions (continued)

23 dBi Antenna Group

Results: 802.11n / HT20 / MCS0 / Port 1 / PWL 26 / CH 149 / 23 dBi Antenna Group

Peak Detector / CH 149

Frequency (MHz)	Analyzer Peak Level (dBm)	Ground Reflection Factor (dB)	Antenna Gain (dBi)	4-Port MIMO Antenna Factor (dB)	Corrected Peak Level (dBm)
17239.820	-50.05	0.0	14.2	6.02	-29.83

Frequency (MHz)	Corrected Peak Level (dBm)	EIRP(dBm) to EIRP (dBμV/m) Factor	Converted Field Strength Peak Level (dBμV/m)	Peak Limit (dBμV/m)	Margin (dB)	Result
17239.820	-29.83	95.20	65.37	68.2	2.83	Complied

RMS Detector/ CH 149

Frequency (MHz)	Analyzer RMS Level (dBm)	Duty Cycle Correction (dB)	Ground Reflection Factor (dB)	Antenna Gain (dBi)	4-Port MIMO Antenna Factor (dB)	Corrected RMS Level (dBm)
17240.736	-62.53	0.5	0.0	14.2	6.02	-41.81

Frequency (MHz)	Corrected RMS Level (dBm)	EIRP(dBm) to EIRP (dBμV/m) Factor	Converted Field Strength RMS Level (dBμV/m)	Average Limit (dBμV/m)	Margin (dB)	Result
17240.736	-41.81	95.2	53.39	54	0.61	Complied

Result: Pass

Transmitter Conducted Spurious Emissions (continued)

23 dBi Antenna Group

Results: 802.11n / HT20 / MCS0 / Port 1 / PWL 26 / CH 157 / 23 dBi Antenna Group

Peak Detector/ CH 157

Frequency (MHz)	Analyzer Peak Level (dBm)	Ground Reflection Factor (dB)	Antenna Gain (dBi)	4-Port MIMO Antenna Factor (dB)	Corrected Peak Level (dBm)
17360.364	-52.84	0.0	14.2	6.02	-32.62

Frequency (MHz)	Corrected Peak Level (dBm)	EIRP(dBm) to EIRP (dBμV/m) Factor	Converted Field Strength Peak Level (dBμV/m)	Peak Limit (dBμV/m)	Margin (dB)	Result
17360.364	-32.62	95.20	62.58	68.2	5.62	Complied

RMS Detector / CH 157

Frequency (MHz)	Analyzer RMS Level (dBm)	Duty Cycle Correction (dB)	Ground Reflection Factor (dB)	Antenna Gain (dBi)	4-Port MIMO Antenna Factor (dB)	Corrected RMS Level (dBm)
17357.680	-65.67	0.5	0.0	14.2	6.02	-44.95

Frequency (MHz)	Corrected RMS Level (dBm)	EIRP(dBm) to EIRP (dBμV/m) Factor	Converted Field Strength RMS Level (dBμV/m)	Average Limit (dBμV/m)	Margin (dB)	Result
17357.680	-44.95	95.20	50.25	54	3.75	Complied

Result: Pass

Transmitter Conducted Spurious Emissions (continued)

23 dBi Antenna Group

Results: 802.11n / HT20 / MCS0 / Port 1 / PWL 26 / CH 165 / 23 dBi Antenna Group

Peak Detector/ CH 165

Frequency (MHz)	Analyzer Peak Level (dBm)	Ground Reflection Factor (dB)	Antenna Gain (dBi)	4-Port MIMO Antenna Factor (dB)	Corrected Peak Level (dBm)
17478.733	-50.12	0.0	14.2	6.02	-29.90

Frequency (MHz)	Corrected Peak Level (dBm)	EIRP(dBm) to EIRP (dBμV/m) Factor	Converted Field Strength Peak Level (dBμV/m)	Peak Limit (dBμV/m)	Margin (dB)	Result
17478.733	-29.90	95.20	65.30	68.2	2.90	Complied

RMS Detector/ CH 165

Frequency (MHz)	Analyzer RMS Level (dBm)	Duty Cycle Correction (dB)	Ground reflection Factor (dB)	Antenna Gain (dBi)	4-Port MIMO Antenna Factor (dB)	Corrected RMS Level (dBm)
17476.220	-62.86	0.5	0.0	14.2	6.02	-42.14

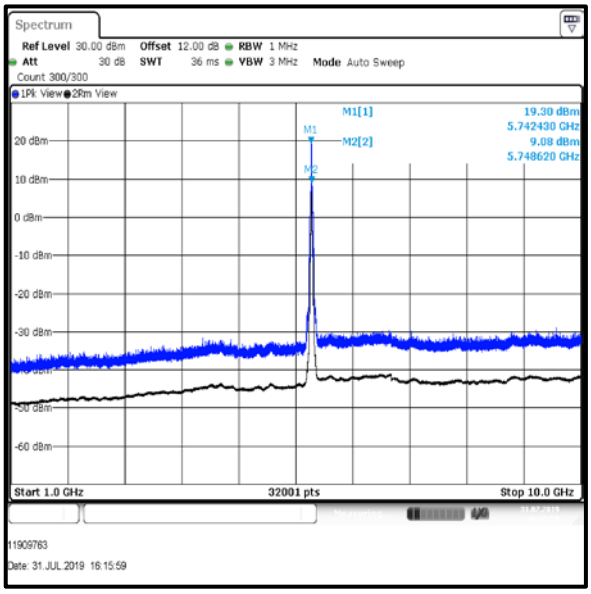
Frequency (MHz)	Corrected RMS Level (dBm)	EIRP(dBm) to EIRP (dBμV/m) Factor	Converted Field Strength RMS Level (dBμV/m)	Average Limit (dBμV/m)	Margin (dB)	Result
17476.220	-42.14	95.20	53.06	54	0.94	Complied

Result: Pass

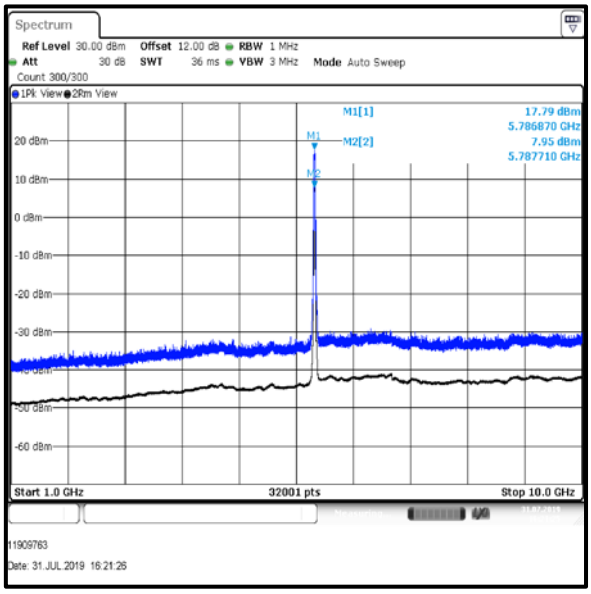
Transmitter Conducted Spurious Emissions (continued)

Results: 802.11n / HT20 / MCS0 / SISO / Port 1 / PWL 26 / 23 dBi Antenna Group

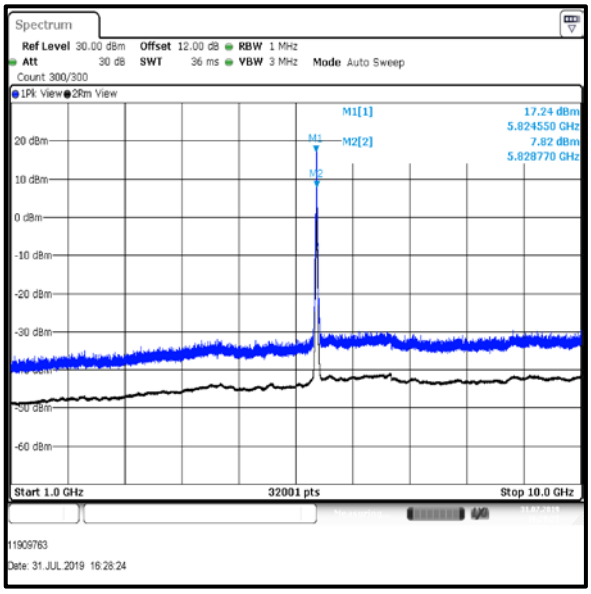
Plots: 1 GHz to 10 GHz



Bottom Channel (CH 149)



Middle Channel (CH 157)



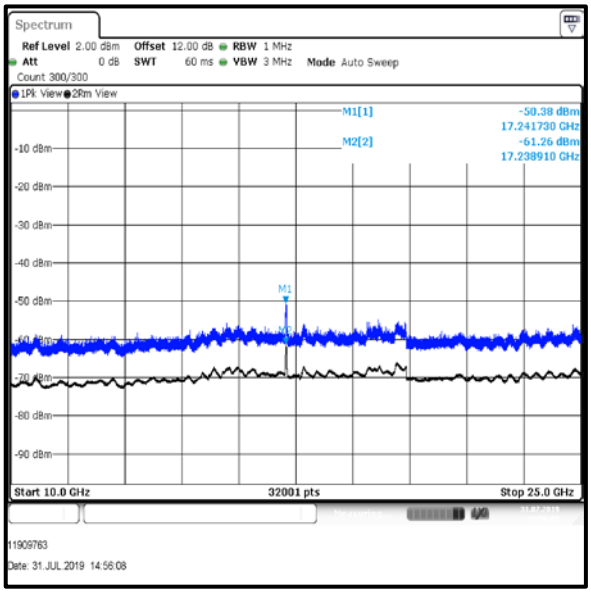
Top Channel (CH 165)

Note: This plot is a pre-scan and for indication purposes only. For final measurements, see table above.

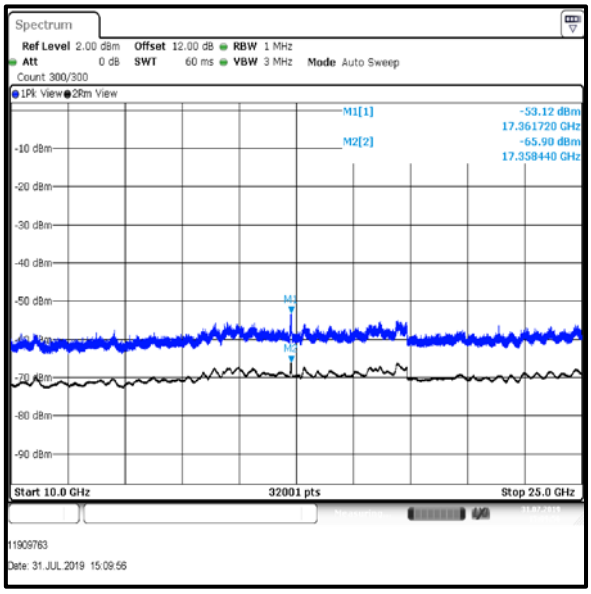
Transmitter Conducted Spurious Emissions (continued)

Results: 802.11n / HT20 / MCS0 / SISO / Port 1 / PWL 26 / 23 dBi Antenna Group

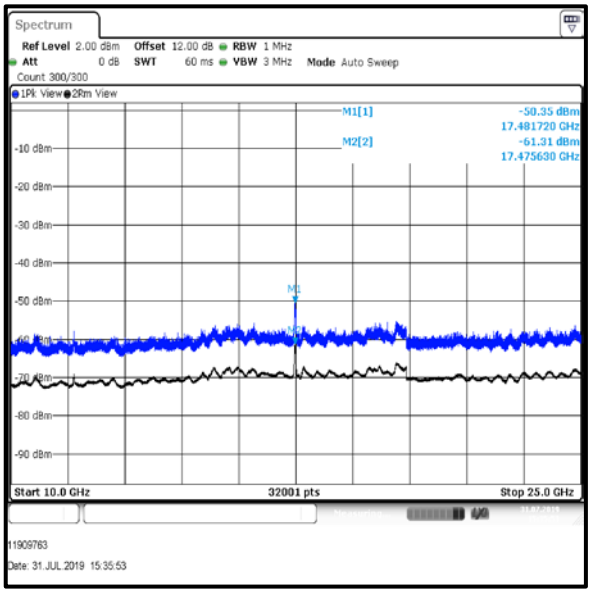
Plots: 10 GHz to 25 GHz



Bottom Channel (CH 149)



Middle Channel (CH 157)



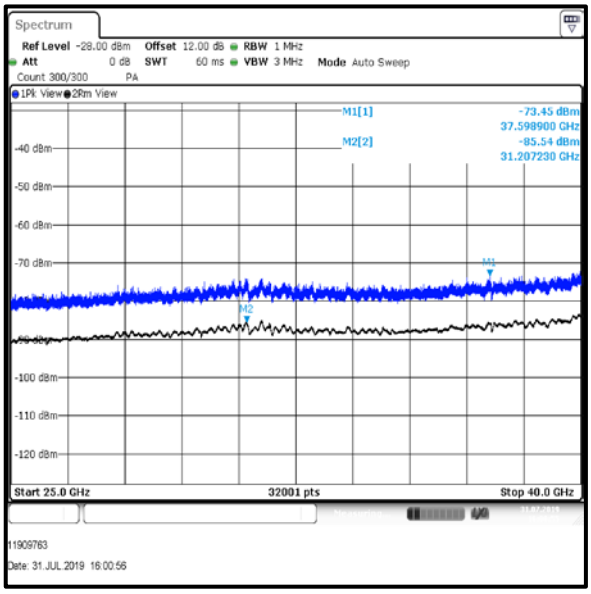
Top Channel (CH 165)

Note: This plot is a pre-scan and for indication purposes only. For final measurements, see table above.

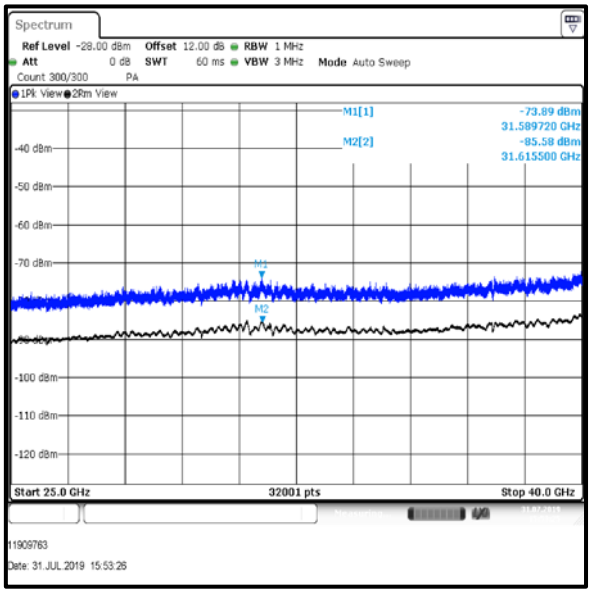
Transmitter Conducted Spurious Emissions (continued)

Results: 802.11n / HT20 / MCS0 / SISO / Port 1 / PWL 26 / 23 dBi Antenna Group

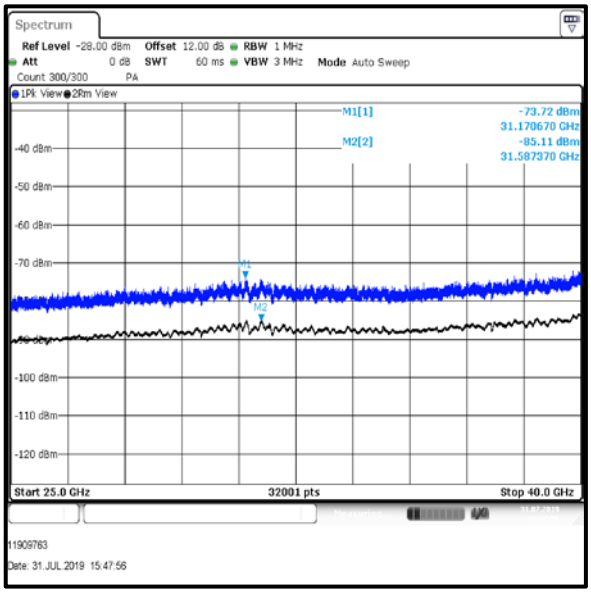
Plots: 25 GHz to 40 GHz



Bottom Channel (CH 149)



Middle Channel (CH 157)



Top Channel (CH 165)

Note: This plot is a pre-scan and for indication purposes only. For final measurements, see table above.

5.2.9. Transmitter Band Edge Radiated Emissions

Test Summary:

Test Engineer:	Krume Ivanov & Abdoufataou Salifou	**Test Dates:**	28 February 2019 to 21 July 2019
Test Sample Serial Number:	192.168.0.80		
Test Site Identification	SR 1/2		

FCC Reference:	Part 15.407 (b)(4),(6),(7) & 15.209(a)
Test Method Used:	FCC KDB 789033 D02 Section II.G.1, II.G.2, II.G.3, II.G.5 & II.G.6 ANSI C63.10 Sections 6.3 and 6.6

Environmental Conditions:

Temperature (°C):	20 to 23
Relative Humidity (%):	28 to 32

Notes:

1. According to FCC KDB 789033 D02 Section II.G.5 & II.G.6 Transmitter Band Edge Radiated Emissions were performed.
2. Transmitter Band Edge Radiated Emissions were performed with :
   - each type of listed Antenna Groups.
   - maximum power setting (PWL) for each supported Bandwidth
   - maximum power setting (PWL) for each supported SISO & MIMO modes
3. As EUT uses different power levels (PWL's) for 20 MHz Bandwidth. The EUT was configured in following test modes
   - Reduced Power Level (PWL) :
     - Lower band edge measured with EUT transmitting on the Bottom channel.
     - Upper band edge measured with EUT transmitting on the Top channel
   - Maximum Power Level (PWL) :
     - Lower band edge measured with EUT transmitting on the Bottom +1 channel.
     - Upper band edge measured with EUT transmitting on the Top -1 channel
4. The test receiver was set to RBW: 1 MHZ | VBW : 3 MHz | Sweep time:Auto | Trace mode : sweep count | Span: large enough to capture unwanted band edge emissions with trace stabilizations. Regarding the reference level settings an Inquiry was made to the FCC and the response confirmed that this test method was acceptable. With those reference level settings test receiver input was not overloaded due to fundamental signal being measured.
5. Transmitter Band Edge Radiated Emissions were performed in a semi-anechoic chamber SR1/2 (Asset Number 1603665) with absorbers on the ground at a distance of 3 meters. The EUT was placed at a height of 1.5 meters above the test chamber floor in the centre of the chamber turntable. Maximum emission levels were determined by height searching the measurement antenna with tilting function enabled over the range 1 meter to 4 meters above the test chamber floor, in line with the EUT.
6. The maximum emissions around band edges were searched & are indicated with a marker placed on them.
7. For unwanted emissions measured with Peak detector there are two limit possibilities:
   - According to FCC 15.209 peak limit (above 1 GHz) is 74 dBμV/m (restricted band limit)
   - According to FCC 15.407(b)(4)(i) peak limit is 68.2 dBμV/m (non-restricted band limit)

Transmitter Band Edge Radiated Emissions (continued)

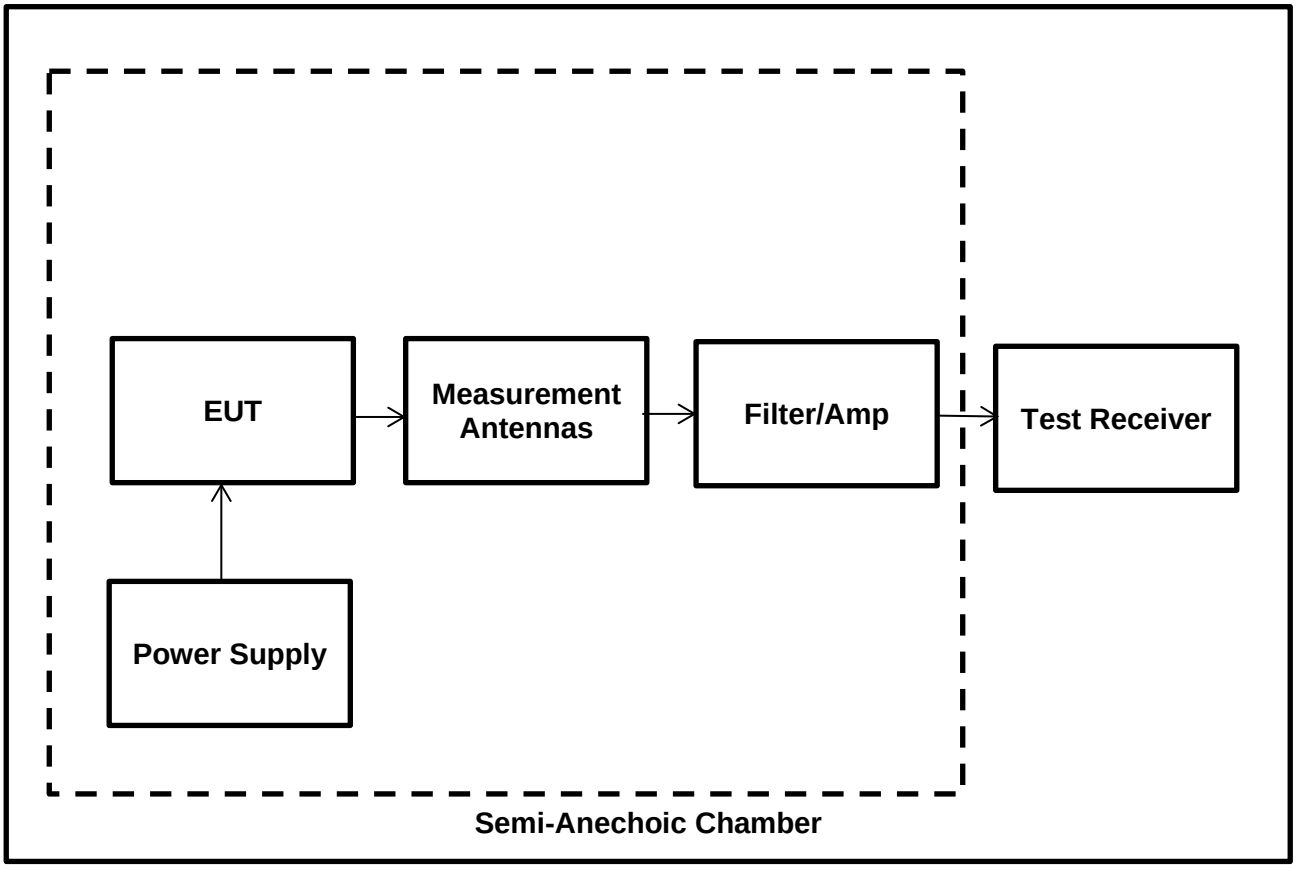
Notes (continued):

8. Therefore unwanted emissions in restricted as well non restricted bands, measured with Peak detector lowest limit 68.2 dBμV/m has been applied.
9. For the LBE plots wich do not have the marker below 5650 MHz, but have the result in the table the reading has been done with EMC32.
10. According to Part 15.407(b)(4)(i),(7) Devices operating in the band 5725-5850 MHz shall have e.i.r.p. of unwanted emissions comply with the following :
    - 27 dBm/MHz at frequencies from the band edges decreasing linearly to 15.6 dBm/MHz at 5 MHz above or below the band edges;
    - 15.6 dBm/MHz at 5 MHz above or below the band edges decreasing linearly to 10 dBm/MHz at 25 MHz above or below the band edges;
    - 10 dBm/MHz at 25 MHz above or below the band edges decreasing linearly to -27 dBm/MHz at 75 MHz above or below the band edges; and
    - -27 dBm/MHz at frequencies more than 75 MHz above or below the band edges.
11. As all radiated band edge measurements have been performed with R.B.W. 1 MHz; the limits in dBm / MHz can be converted to dBµV/m by adding a conversion factor of 95.2 (in accordance with KDB 789033 G.2.d)(iii)).
12. Hence the converted limits for unwanted emissions are as follow:

Frequency Range (MHz)	Limit Range (dBm/MHz)	Limit Range (dBµV/m)
F≤ 5650	-27	68.2
5650 to 5700	-27 to 10	68.2 to 105.2
5700 to 5720	10 to 15.6	105.2 to 110.8
5720 to 5725	15.6 to 27	110.8 to 122.2
5850 to 5855	27.0 to 15.6	122.2 to 110.8
5855 to 5875	15.6 to 10	110.8 to 105.2
5875 to 5925	10 to -27	105.2 to 68.2
F ≥ 5925	-27	68.2

Transmitter Band Edge Radiated Emissions (continued)

Test Setup:



8 dBi Antenna Group

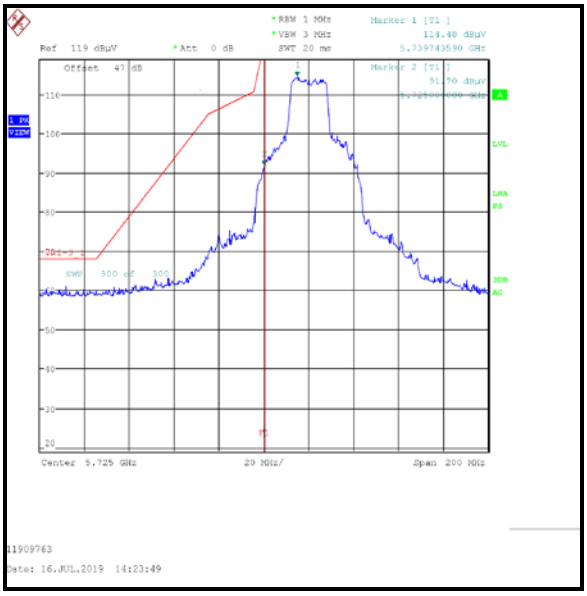
Results: 802.11a / 20 MHz / 6 Mbps / SISO / Port 1 / PWL 26 / 8 dBi Antenna Group

Results: CH149 / Lower Band Edge / Peak

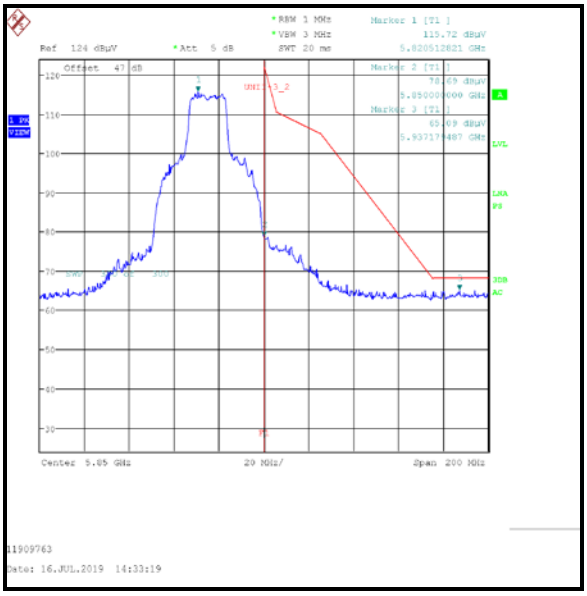
Frequency Range (MHz)	Frequency (MHz)	Peak Level (dBµV/m)	Limit Range (dBµV/m)	Margin (dB)	Result
F ≤ 5650	5640	60.5	68.2	7.70	Complied
5650 to 5700	--	--	68.2 to 105.2	--	Complied
5700 to 5720	--	--	105.2 to 110.8	--	Complied
5720 to 5725	5725.00	91.70	110.8 to 122.2	30.50	Complied

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	78.69	122.2 to 110.8	43.51	Complied
5855 to 5875	--	--	110.8 to 105.2	--	Complied
5875 to 5925	--	--	105.2 to 68.2	--	Complied
F ≥ 5925	5937.18	65.09	68.2	3.11	Complied



Lower Band Edge Measurement



Upper Band Edge Measurement

Result: Pass

Transmitter Band Edge Radiated Emissions (continued)

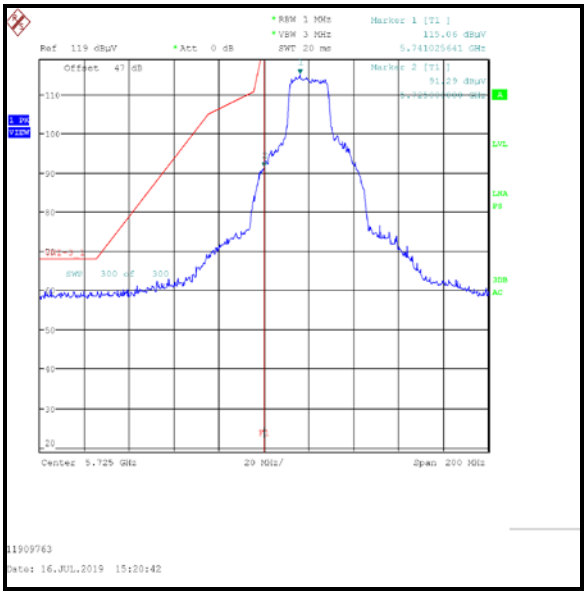
Results: 802.11n / 20 MHz / MCS0 / SISO / Port 1 / PWL 26 / 8 dBi Antenna Group

Results: CH149 / Lower Band Edge / Peak

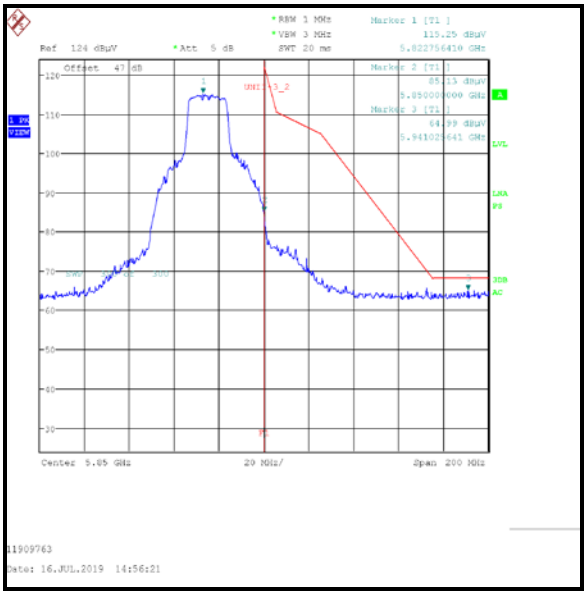
Frequency Range (MHz)	Frequency (MHz)	Peak Level (dBµV/m)	Limit Range (dBµV/m)	Margin (dB)	Result
F ≤ 5650	5645	60.0	68.2	8.20	Complied
5650 to 5700	--	--	68.2 to 105.2	--	Complied
5700 to 5720	--	--	105.2 to 110.8	--	Complied
5720 to 5725	5725.00	91.29	110.8 to 122.2	30.91	Complied

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	85.13	122.2 to 110.8	37.07	Complied
5855 to 5875	--	--	110.8 to 105.2	--	Complied
5875 to 5925	--	--	105.2 to 68.2	--	Complied
F ≥ 5925	5941.02	64.99	68.2	3.21	Complied



Lower Band Edge Measurement



Upper Band Edge Measurement

Result: Pass

Transmitter Band Edge Radiated Emissions (continued)

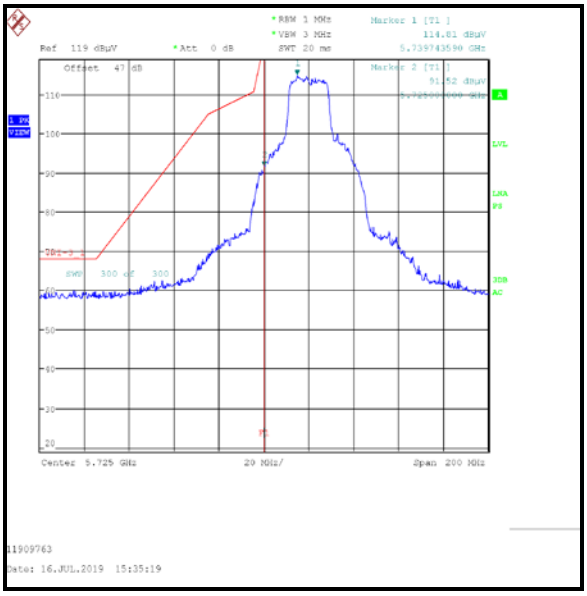
Results: 802.11ac / 20 MHz / MCS0 / SISO / Port 1 / PWL 26 / 8 dBi Antenna Group

Results: CH149 / Lower Band Edge / Peak

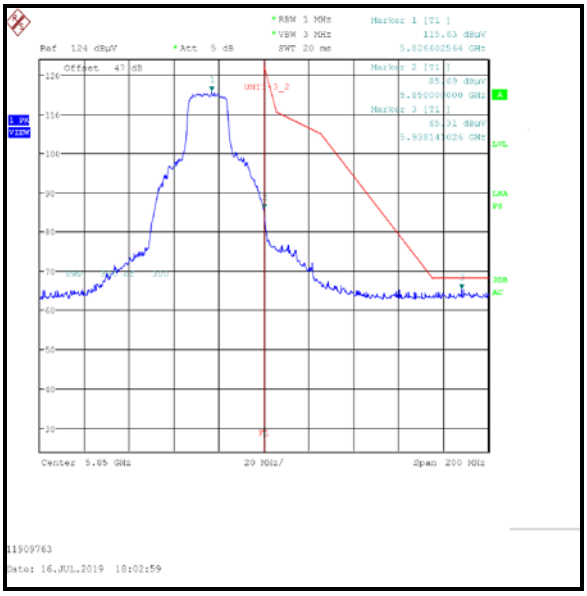
Frequency Range (MHz)	Frequency (MHz)	Peak Level (dBµV/m)	Limit Range (dBµV/m)	Margin (dB)	Result
F ≤ 5650	5642	60.0	68.2	8.20	Complied
5650 to 5700	--	--	68.2 to 105.2	--	Complied
5700 to 5720	--	--	105.2 to 110.8	--	Complied
5720 to 5725	5725.00	91.52	110.8 to 122.2	30.68	Complied

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	85.69	122.2 to 110.8	36.51	Complied
5855 to 5875	--	--	110.8 to 105.2	--	Complied
5875 to 5925	--	--	105.2 to 68.2	--	Complied
F ≥ 5925	5938.14	65.31	68.2	2.89	Complied



Lower Band Edge Measurement



Upper Band Edge Measurement

Result: Pass

Transmitter Band Edge Radiated Emissions (continued)

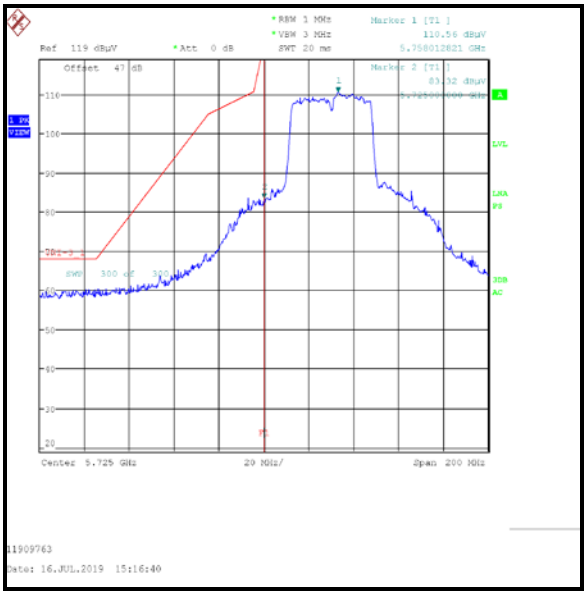
Results: 802.11n / 40 MHz / MCS0 / SISO / Port 1 / PWL 26 / 8 dBi Antenna Group

Results: CH151 / Lower Band Edge / Peak

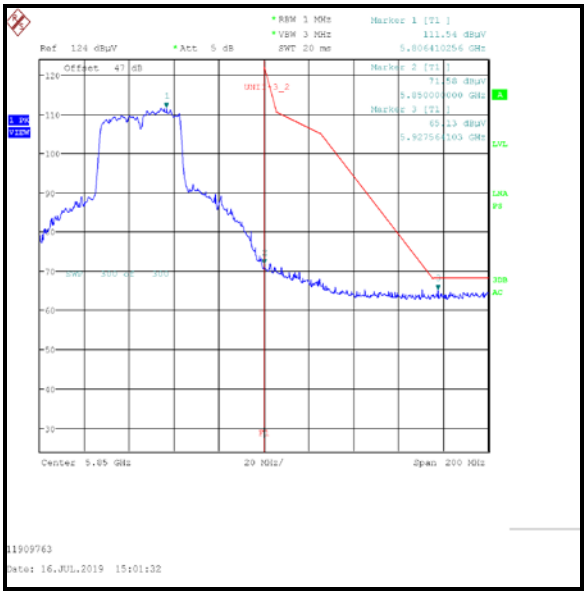
Frequency Range (MHz)	Frequency (MHz)	Peak Level (dBµV/m)	Limit Range (dBµV/m)	Margin (dB)	Result
F ≤ 5650	5645	60.0	68.2	8.20	Complied
5650 to 5700	--	--	68.2 to 105.2	--	Complied
5700 to 5720	--	--	105.2 to 110.8	--	Complied
5720 to 5725	5725.00	83.32	110.8 to 122.2	38.88	Complied

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	71.58	122.2 to 110.8	50.62	Complied
5855 to 5875	--	--	110.8 to 105.2	--	Complied
5875 to 5925	--	--	105.2 to 68.2	--	Complied
F ≥ 5925	5927.56	65.13	68.2	3.07	Complied



Lower Band Edge Measurement



Upper Band Edge Measurement

Result: Pass

Transmitter Band Edge Radiated Emissions (continued)

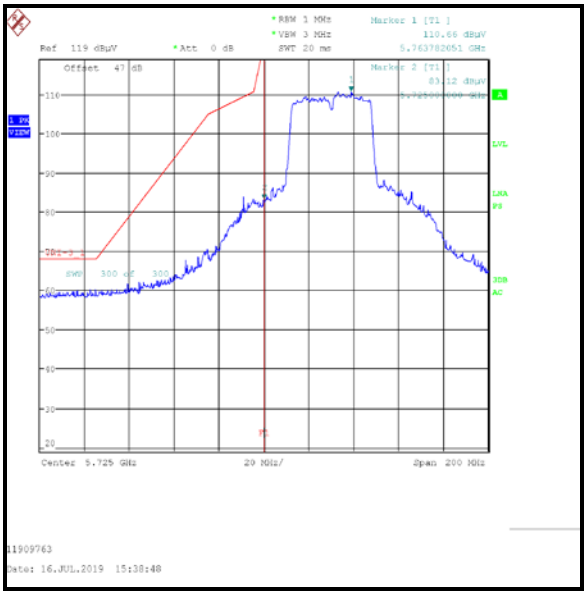
Results: 802.11ac / 40 MHz / MCS0 / SISO / Port 1 / PWL 26 / 8 dBi Antenna Group

Results: CH151 / Lower Band Edge / Peak

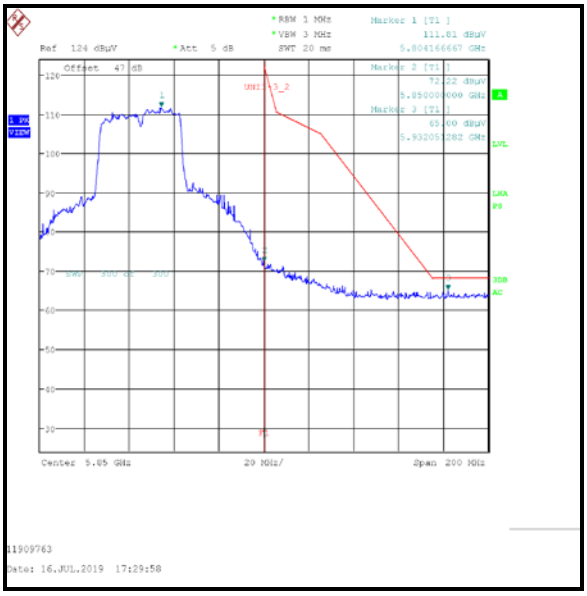
Frequency Range (MHz)	Frequency (MHz)	Peak Level (dBµV/m)	Limit Range (dBµV/m)	Margin (dB)	Result
F ≤ 5650	5642.5	60.0	68.2	8.20	Complied
5650 to 5700	--	--	68.2 to 105.2	--	Complied
5700 to 5720	--	--	105.2 to 110.8	--	Complied
5720 to 5725	5725.00	83.12	110.8 to 122.2	39.08	Complied

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	72.22	122.2 to 110.8	49.98	Complied
5855 to 5875	--	--	110.8 to 105.2	--	Complied
5875 to 5925	--	--	105.2 to 68.2	--	Complied
F ≥ 5925	5932.05	65.00	68.2	3.20	Complied



Lower Band Edge Measurement



Upper Band Edge Measurement

Result: Pass

Transmitter Band Edge Radiated Emissions (continued)

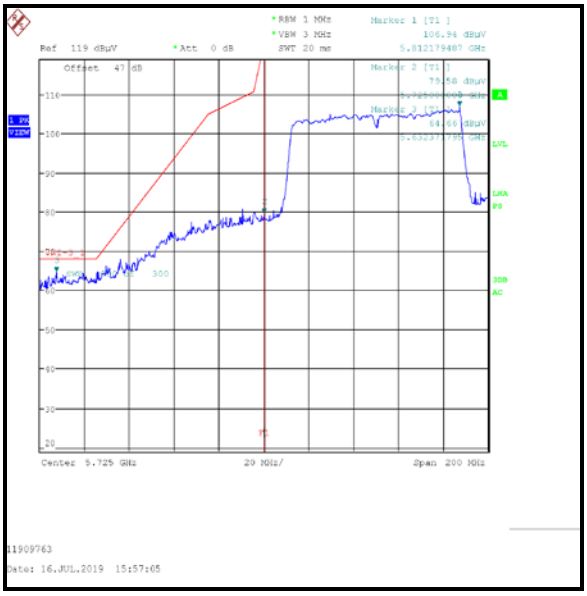
Results: 802.11ac / 80 MHz / MCS0 / SISO / Port 1 / PWL 26 / 8 dBi Antenna Group

Results: CH155 / Lower Band Edge / Peak

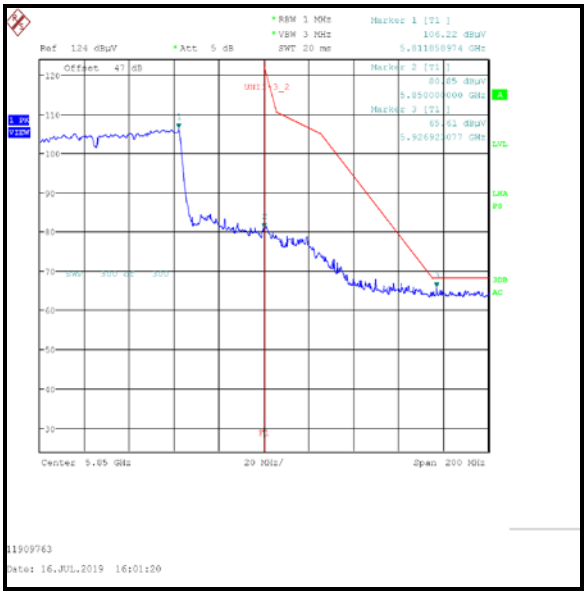
Frequency Range (MHz)	Frequency (MHz)	Peak Level (dBµV/m)	Limit Range (dBµV/m)	Margin (dB)	Result
F ≤ 5650	5632.37	64.66	68.2	3.54	Complied
5650 to 5700	--	--	68.2 to 105.2	--	Complied
5700 to 5720	--	--	105.2 to 110.8	--	Complied
5720 to 5725	5725.00	79.58	110.8 to 122.2	42.62	Complied

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	80.85	122.2 to 110.8	41.35	Complied
5855 to 5875	--	--	110.8 to 105.2	--	Complied
5875 to 5925	--	--	105.2 to 68.2	--	Complied
F ≥ 5925	5926.92	65.61	68.2	2.59	Complied



Lower Band Edge Measurement



Upper Band Edge Measurement

Result: Pass

Transmitter Band Edge Radiated Emissions (continued)

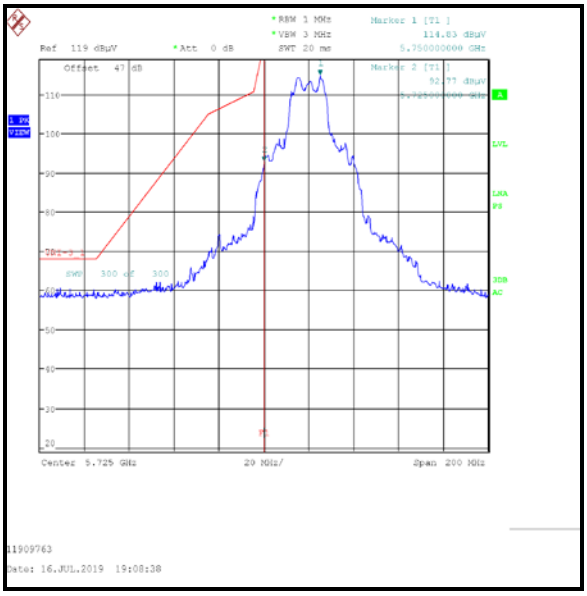
Results: 802.11a / 20 MHz / 6 Mbps / MIMO / Port 1+2/ PWL 26 / 8 dBi Antenna Group

Results: CH149 / Lower Band Edge / Peak

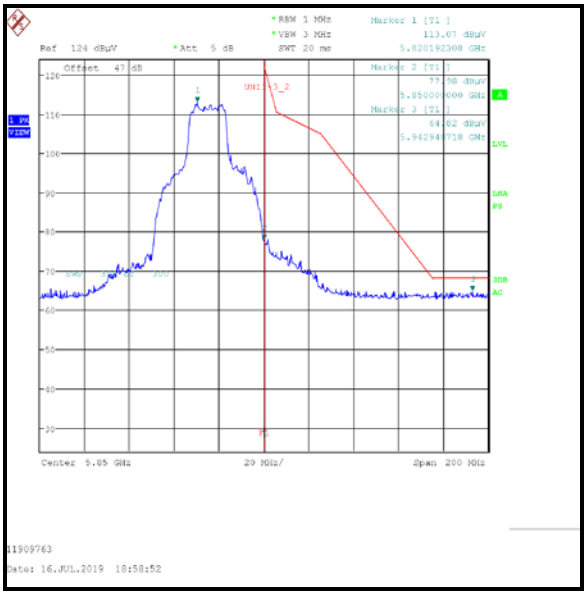
Frequency Range (MHz)	Frequency (MHz)	Peak Level (dBµV/m)	Limit Range (dBµV/m)	Margin (dB)	Result
F ≤ 5650	5641.5	60.08	68.2	8.12	Complied
5650 to 5700	--	--	68.2 to 105.2	--	Complied
5700 to 5720	--	--	105.2 to 110.8	--	Complied
5720 to 5725	5725.00	92.77	110.8 to 122.2	29.43	Complied

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	77.98	122.2 to 110.8	44.22	Complied
5855 to 5875	--	--	110.8 to 105.2	--	Complied
5875 to 5925	--	--	105.2 to 68.2	--	Complied
F ≥ 5925	5942.94	64.82	68.2	3.38	Complied



Lower Band Edge Measurement



Upper Band Edge Measurement

Result: Pass

Transmitter Band Edge Radiated Emissions (continued)

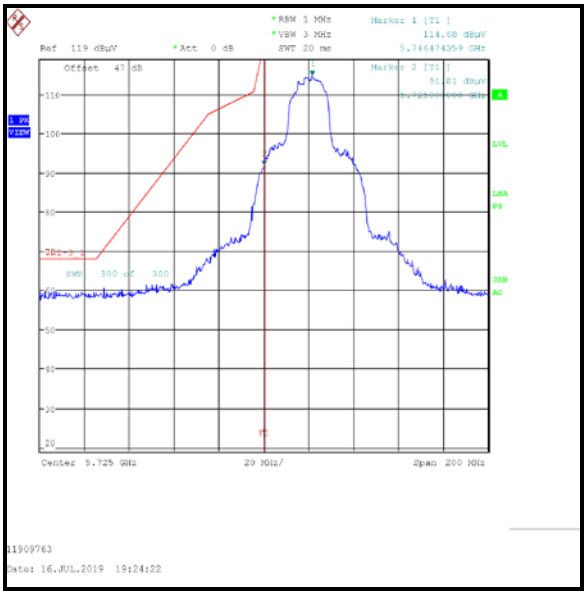
Results: 802.11n / 20 MHz / MCS0 / MIMO / Port 1+2/ PWL 26 / 8 dBi Antenna Group

Results: CH149 / Lower Band Edge / Peak

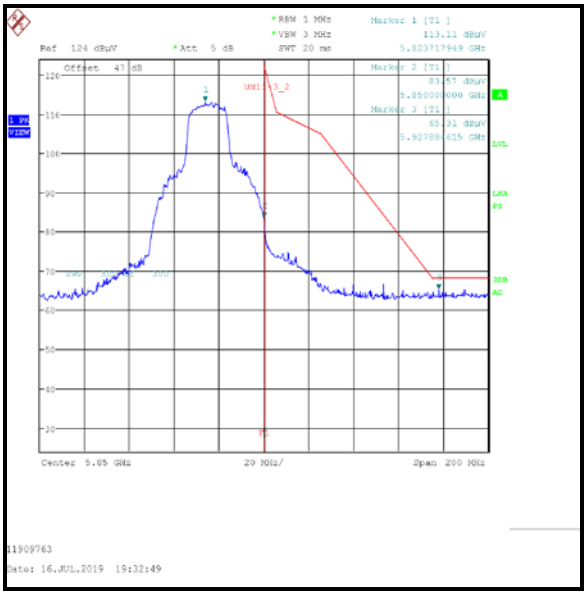
Frequency Range (MHz)	Frequency (MHz)	Peak Level (dBµV/m)	Limit Range (dBµV/m)	Margin (dB)	Result
F ≤ 5650	5640.0	60.00	68.2	8.20	Complied
5650 to 5700	--	--	68.2 to 105.2	--	Complied
5700 to 5720	--	--	105.2 to 110.8	--	Complied
5720 to 5725	5725.00	91.81	110.8 to 122.2	30.39	Complied

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	83.57	122.2 to 110.8	38.63	Complied
5855 to 5875	--	--	110.8 to 105.2	--	Complied
5875 to 5925	--	--	105.2 to 68.2	--	Complied
F ≥ 5925	5927.88	65.31	68.2	2.89	Complied



Lower Band Edge Measurement



Upper Band Edge Measurement

Result: Pass

Transmitter Band Edge Radiated Emissions (continued)

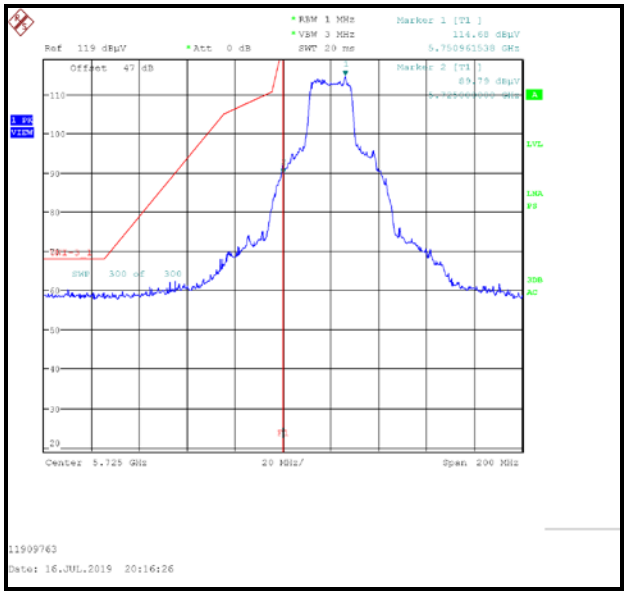
Results: 802.11ac / 20 MHz / MCS0 / MIMO / Port 1+2/ PWL 26 / 8 dBi Antenna Group

Results: CH149 / Lower Band Edge / Peak

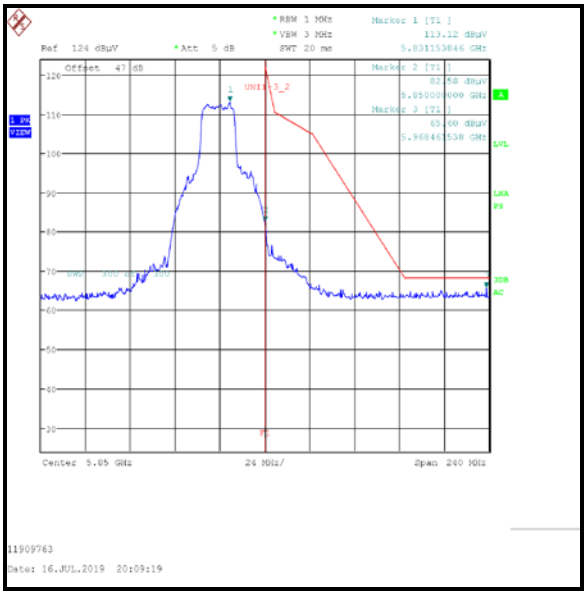
Frequency Range (MHz)	Frequency (MHz)	Peak Level (dBµV/m)	Limit Range (dBµV/m)	Margin (dB)	Result
F ≤ 5650	5642.5	60.00	68.2	8.20	Complied
5650 to 5700	--	--	68.2 to 105.2	--	Complied
5700 to 5720	--	--	105.2 to 110.8	--	Complied
5720 to 5725	5725.00	89.79	110.8 to 122.2	32.41	Complied

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	82.58	122.2 to 110.8	39.62	Complied
5855 to 5875	--	--	110.8 to 105.2	--	Complied
5875 to 5925	--	--	105.2 to 68.2	--	Complied
F ≥ 5925	5968.46	65.60	68.2	2.60	Complied



Lower Band Edge Measurement



Upper Band Edge Measurement

Result: Pass

Transmitter Band Edge Radiated Emissions (continued)

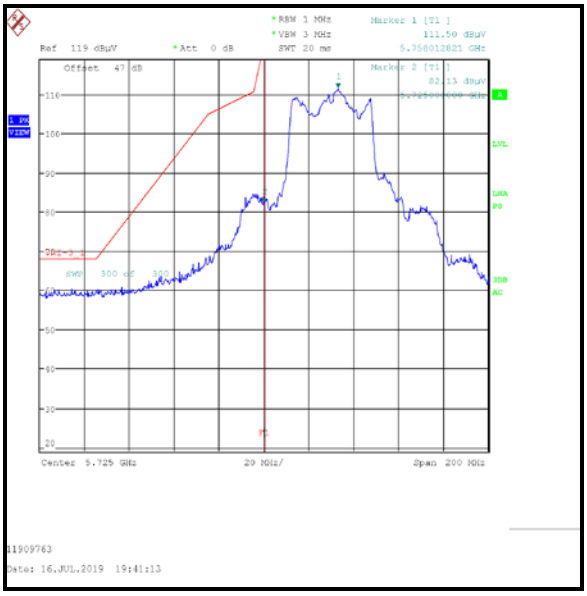
Results: 802.11n / 40 MHz / MCS0 / MIMO / Port 1+2/ PWL 26 / 8 dBi Antenna Group

Results: CH151 / Lower Band Edge / Peak

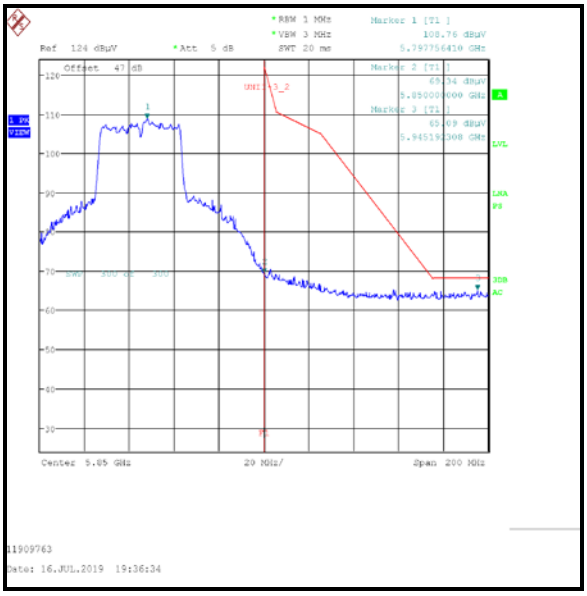
Frequency Range (MHz)	Frequency (MHz)	Peak Level (dBµV/m)	Limit Range (dBµV/m)	Margin (dB)	Result
F ≤ 5650	5642.70	60.05	68.2	8.15	Complied
5650 to 5700	--	--	68.2 to 105.2	--	Complied
5700 to 5720	--	--	105.2 to 110.8	--	Complied
5720 to 5725	5725.00	82.13	110.8 to 122.2	40.07	Complied

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	69.34	122.2 to 110.8	52.86	Complied
5855 to 5875	--	--	110.8 to 105.2	--	Complied
5875 to 5925	--	--	105.2 to 68.2	--	Complied
F ≥ 5925	5945.19	65.09	68.2	3.11	Complied



Lower Band Edge Measurement



Upper Band Edge Measurement

Result: Pass

Transmitter Band Edge Radiated Emissions (continued)

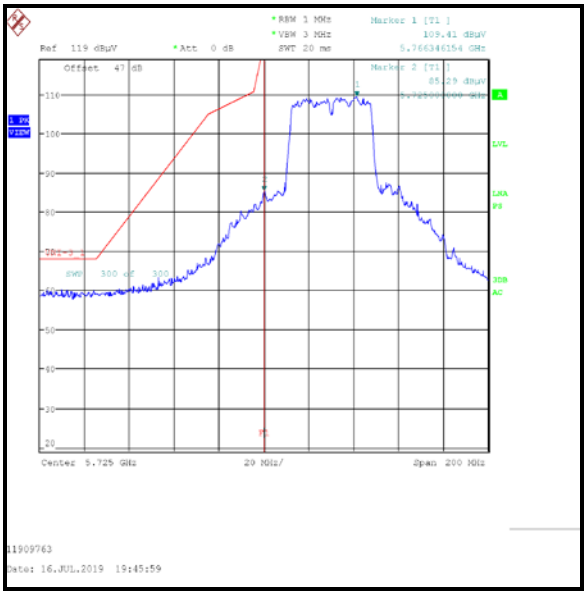
Results: 802.11ac / 40 MHz / MCS0 / MIMO / Port 1+2/ PWL 26 / 8 dBi Antenna Group

Results: CH151 / Lower Band Edge / Peak

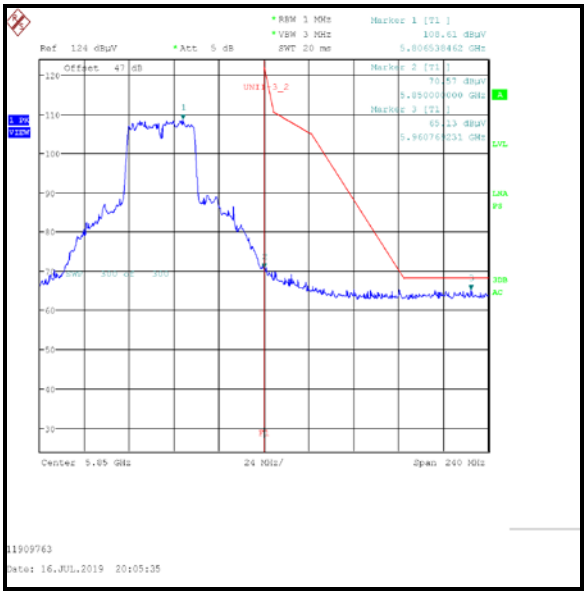
Frequency Range (MHz)	Frequency (MHz)	Peak Level (dBµV/m)	Limit Range (dBµV/m)	Margin (dB)	Result
F ≤ 5650	5642.50	60.00	68.2	8.20	Complied
5650 to 5700	--	--	68.2 to 105.2	--	Complied
5700 to 5720	--	--	105.2 to 110.8	--	Complied
5720 to 5725	5725.00	85.29	110.8 to 122.2	36.91	Complied

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	70.57	122.2 to 110.8	51.63	Complied
5855 to 5875	--	--	110.8 to 105.2	--	Complied
5875 to 5925	--	--	105.2 to 68.2	--	Complied
F ≥ 5925	5960.76	65.13	68.2	3.07	Complied



Lower Band Edge Measurement



Upper Band Edge Measurement

Result: Pass

Transmitter Band Edge Radiated Emissions (continued)

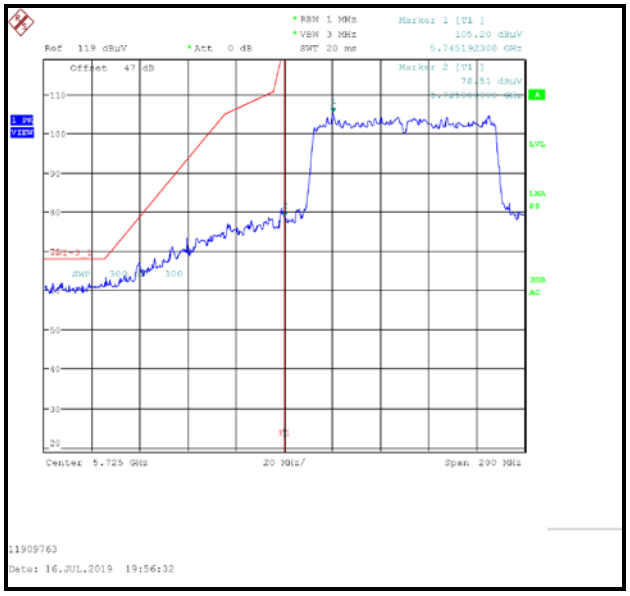
Results: 802.11ac / 80 MHz / MCS0 / MIMO / Port 1+2/ PWL 26 / 8 dBi Antenna Group

Results: CH155 / Lower Band Edge / Peak

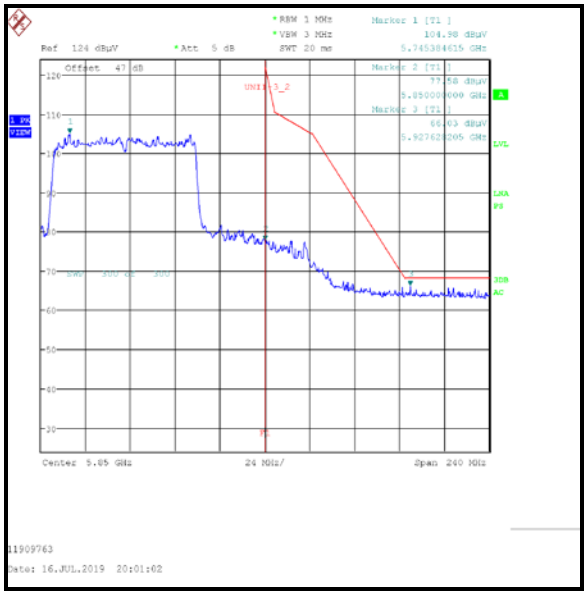
Frequency Range (MHz)	Frequency (MHz)	Peak Level (dBµV/m)	Limit Range (dBµV/m)	Margin (dB)	Result
F ≤ 5650	5650	63.45	68.2	4.75	Complied
5650 to 5700	--	--	68.2 to 105.2	--	Complied
5700 to 5720	--	--	105.2 to 110.8	--	Complied
5720 to 5725	5725.00	78.51	110.8 to 122.2	43.69	Complied

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	77.58	122.2 to 110.8	44.62	Complied
5855 to 5875	--	--	110.8 to 105.2	--	Complied
5875 to 5925	--	--	105.2 to 68.2	--	Complied
F ≥ 5925	5927.62	66.03	68.2	2.17	Complied



Lower Band Edge Measurement



Upper Band Edge Measurement

Result: Pass

Transmitter Band Edge Radiated Emissions (continued)

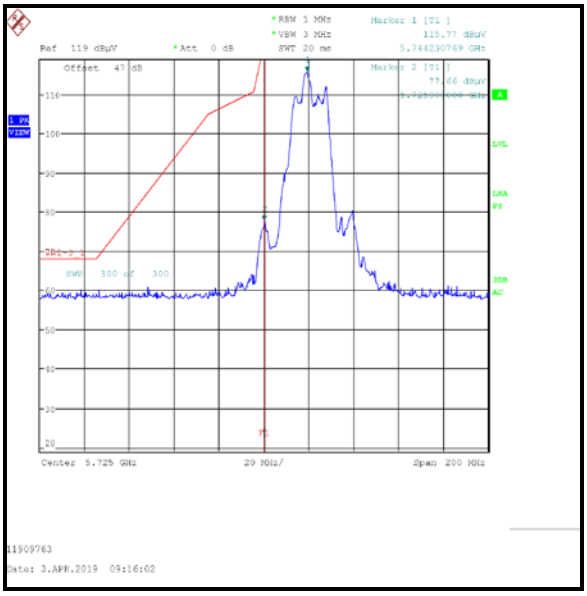
Results: 802.11a / 20 MHz / 6 Mbps / MIMO / Port 1+2+3/ PWL 23 / 8 dBi Antenna Group

Results: CH149 / Lower Band Edge / Peak

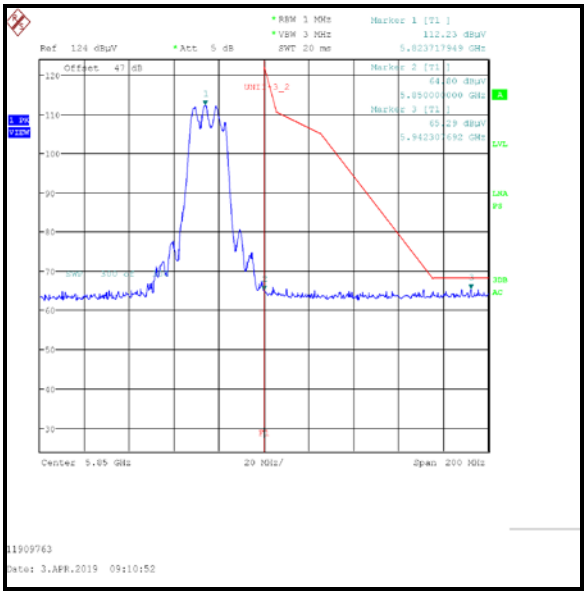
Frequency Range (MHz)	Frequency (MHz)	Peak Level (dBµV/m)	Limit Range (dBµV/m)	Margin (dB)	Result
F ≤ 5650	5642.00	60.00	68.2	8.20	Complied
5650 to 5700	--	--	68.2 to 105.2	--	Complied
5700 to 5720	--	--	105.2 to 110.8	--	Complied
5720 to 5725	5725.00	77.66	110.8 to 122.2	44.54	Complied

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	64.80	122.2 to 110.8	57.40	Complied
5855 to 5875	--	--	110.8 to 105.2	--	Complied
5875 to 5925	--	--	105.2 to 68.2	--	Complied
F ≥ 5925	5942.30	65.29	68.2	2.91	Complied



Lower Band Edge Measurement



Upper Band Edge Measurement

Result: Pass

Transmitter Band Edge Radiated Emissions (continued)

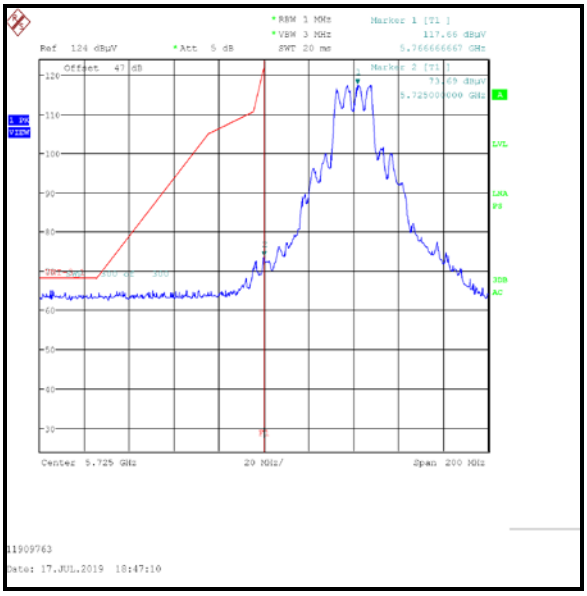
Results: 802.11a / 20 MHz / 6 Mbps / MIMO / Port 1+2+3/ PWL 26 / 8 dBi Antenna Group

Results: CH153 / Lower Band Edge / Peak

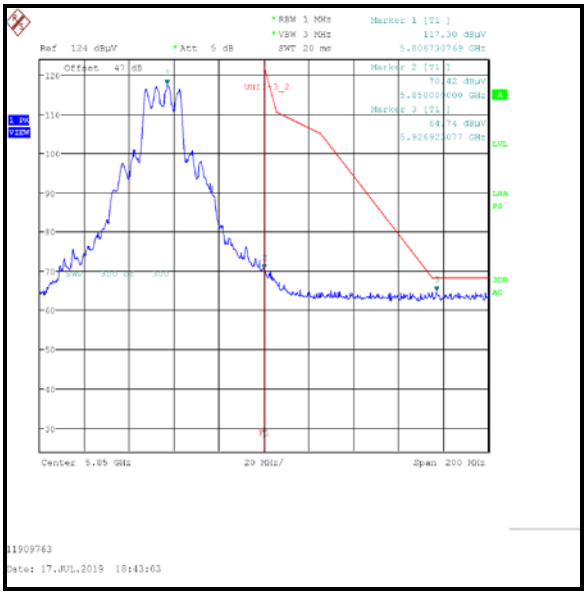
Frequency Range (MHz)	Frequency (MHz)	Peak Level (dBµV/m)	Limit Range (dBµV/m)	Margin (dB)	Result
F ≤ 5650	5630	65.8	68.2	2.40	Complied
5650 to 5700	--	--	68.2 to 105.2	--	Complied
5700 to 5720	--	--	105.2 to 110.8	--	Complied
5720 to 5725	5725.00	73.69	110.8 to 122.2	48.51	Complied

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	70.42	122.2 to 110.8	51.78	Complied
5855 to 5875	--	--	110.8 to 105.2	--	Complied
5875 to 5925	--	--	105.2 to 68.2	--	Complied
F ≥ 5925	5926.92	64.74	68.2	3.46	Complied



Lower Band Edge Measurement



Upper Band Edge Measurement

Result: Pass

Transmitter Band Edge Radiated Emissions (continued)

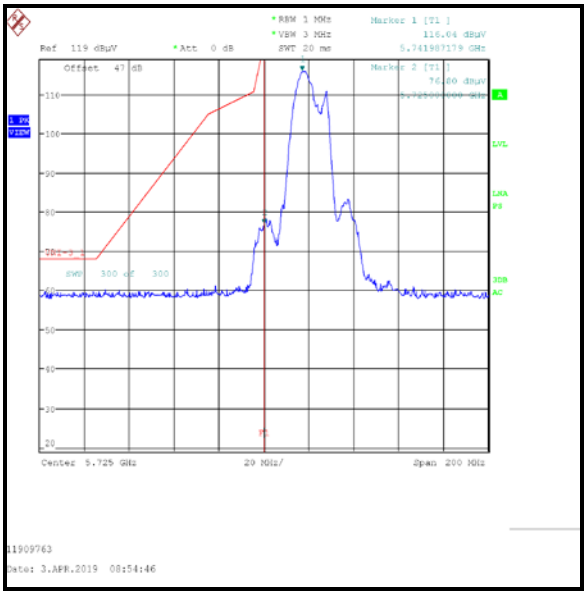
Results: 802.11n / 20 MHz / MCS0 / MIMO / Port 1+2+3/ PWL 23 / 8 dBi Antenna Group

Results: CH149 / Lower Band Edge / Peak

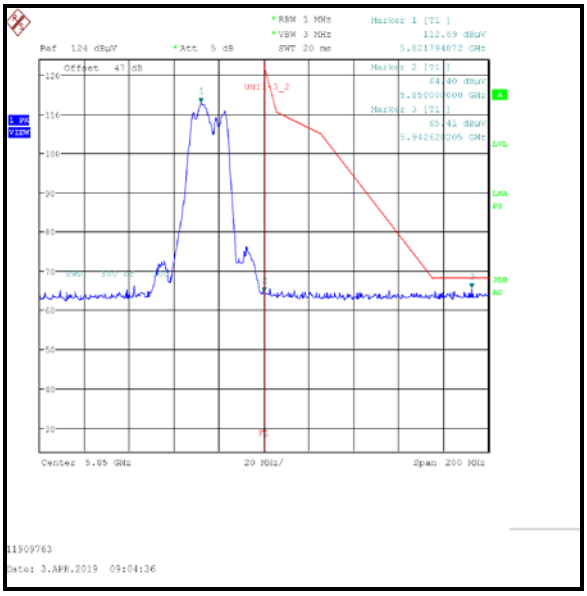
Frequency Range (MHz)	Frequency (MHz)	Peak Level (dBµV/m)	Limit Range (dBµV/m)	Margin (dB)	Result
F ≤ 5650	5641.50	59.90	68.2	8.30	Complied
5650 to 5700	--	--	68.2 to 105.2	--	Complied
5700 to 5720	--	--	105.2 to 110.8	--	Complied
5720 to 5725	5725.00	76.80	110.8 to 122.2	45.40	Complied

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	64.40	122.2 to 110.8	57.80	Complied
5855 to 5875	--	--	110.8 to 105.2	--	Complied
5875 to 5925	--	--	105.2 to 68.2	--	Complied
F ≥ 5925	5942.62	65.41	68.2	2.79	Complied



Lower Band Edge Measurement



Upper Band Edge Measurement

Result: Pass

Transmitter Band Edge Radiated Emissions (continued)

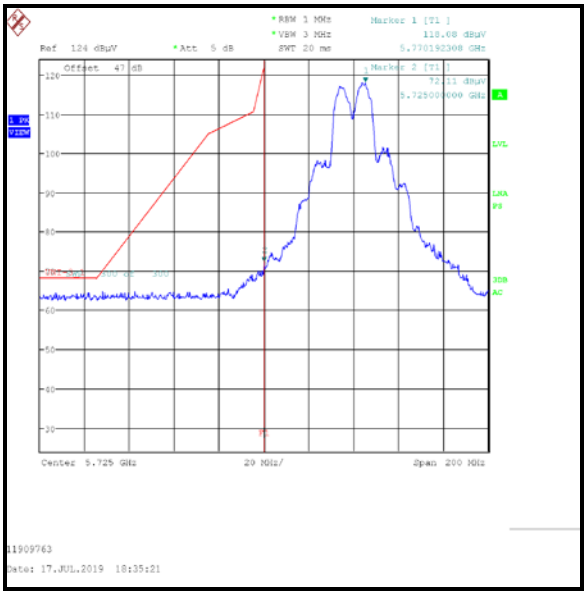
Results: 802.11n / 20 MHz / MCS0 / MIMO / Port 1+2+3/ PWL 26 / 8 dBi Antenna Group

Results: CH153 / Lower Band Edge / Peak

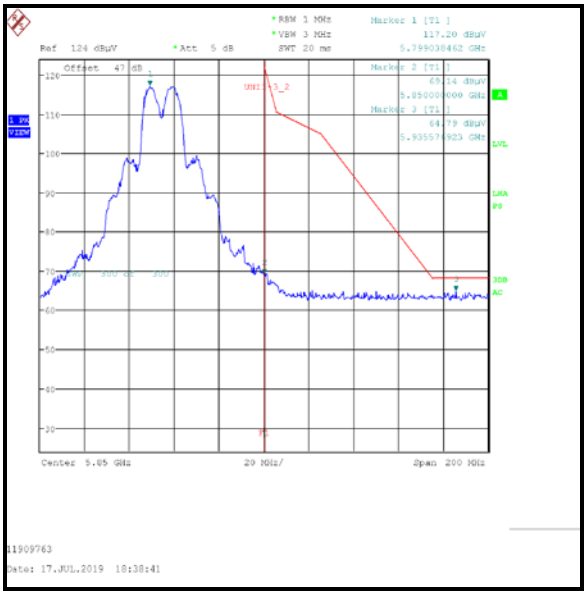
Frequency Range (MHz)	Frequency (MHz)	Peak Level (dBµV/m)	Limit Range (dBµV/m)	Margin (dB)	Result
F ≤ 5650	5645	63.75	68.2	4.45	Complied
5650 to 5700	--	--	68.2 to 105.2	--	Complied
5700 to 5720	--	--	105.2 to 110.8	--	Complied
5720 to 5725	5725.00	72.11	110.8 to 122.2	50.09	Complied

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	69.14	122.2 to 110.8	53.06	Complied
5855 to 5875	--	--	110.8 to 105.2	--	Complied
5875 to 5925	--	--	105.2 to 68.2	--	Complied
F ≥ 5925	5935.57	64.79	68.2	3.41	Complied



Lower Band Edge Measurement



Upper Band Edge Measurement

Result: Pass

Transmitter Band Edge Radiated Emissions (continued)

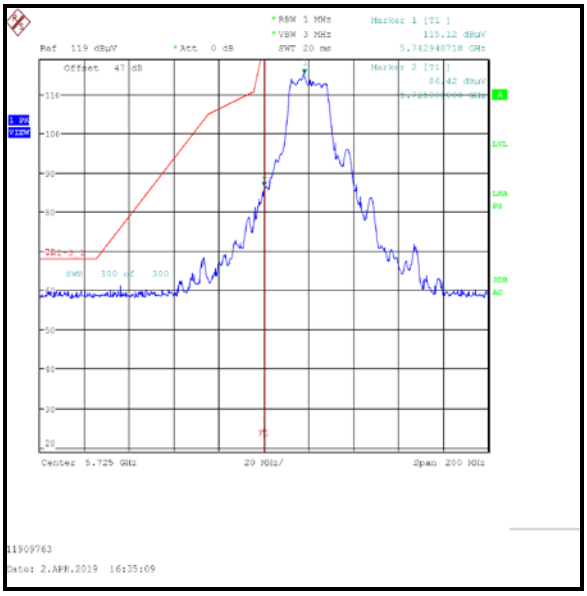
Results: 802.11ac / 20 MHz / MCS0 / MIMO / Port 1+2+3/ PWL 23 / 8 dBi Antenna Group

Results: CH149 / Lower Band Edge / Peak

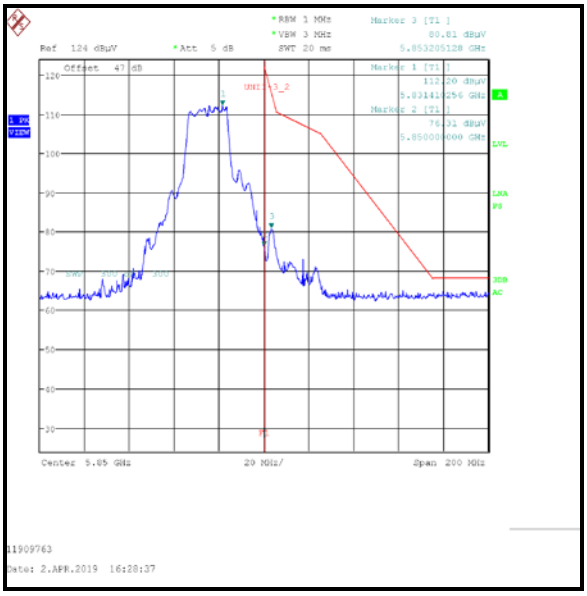
Frequency Range (MHz)	Frequency (MHz)	Peak Level (dBµV/m)	Limit Range (dBµV/m)	Margin (dB)	Result
F ≤ 5650	5642.00	60.00	68.2	8.20	Complied
5650 to 5700	--	--	68.2 to 105.2	--	Complied
5700 to 5720	--	--	105.2 to 110.8	--	Complied
5720 to 5725	5725.00	86.42	110.8 to 122.2	35.78	Complied

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	76.31	122.2 to 110.8	45.89	Complied
5855 to 5875	--	--	110.8 to 105.2	--	Complied
5875 to 5925	--	--	105.2 to 68.2	--	Complied
F ≥ 5925	5930.00	63.45	68.2	4.75	Complied



Lower Band Edge Measurement



Upper Band Edge Measurement

Result: Pass

Transmitter Band Edge Radiated Emissions (continued)

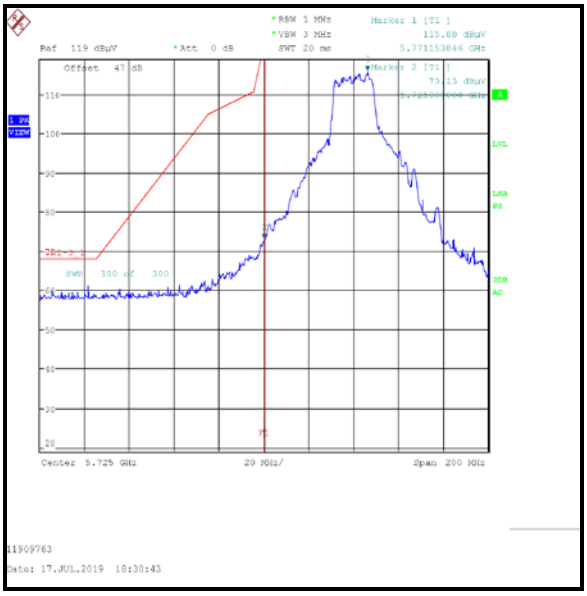
Results: 802.11ac / 20 MHz / MCS0 / MIMO / Port 1+2+3/ PWL 26 / 8 dBi Antenna Group

Results: CH153 / Lower Band Edge / Peak

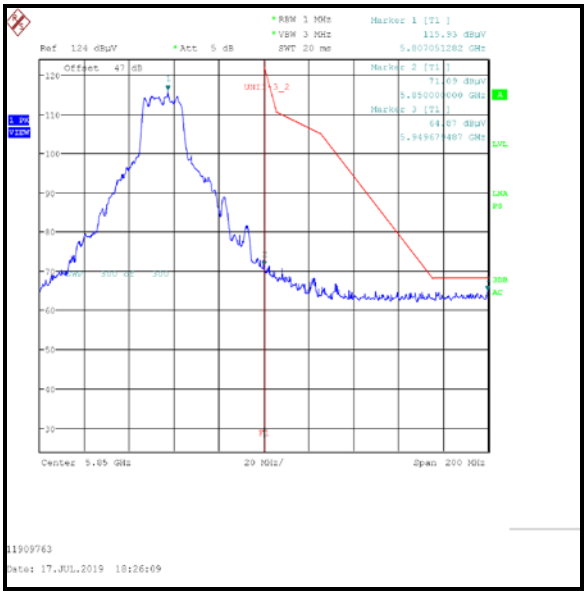
Frequency Range (MHz)	Frequency (MHz)	Peak Level (dBµV/m)	Limit Range (dBµV/m)	Margin (dB)	Result
F ≤ 5650	5648.00	61.80	68.2	6.40	Complied
5650 to 5700	--	--	68.2 to 105.2	--	Complied
5700 to 5720	--	--	105.2 to 110.8	--	Complied
5720 to 5725	5725.00	73.13	110.8 to 122.2	49.07	Complied

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	71.09	122.2 to 110.8	51.11	Complied
5855 to 5875	--	--	110.8 to 105.2	--	Complied
5875 to 5925	--	--|	105.2 to 68.2	--	Complied
F ≥ 5925	5949.67	64.87	68.2	3.33	Complied



Lower Band Edge Measurement



Upper Band Edge Measurement

Result: Pass

Transmitter Band Edge Radiated Emissions (continued)

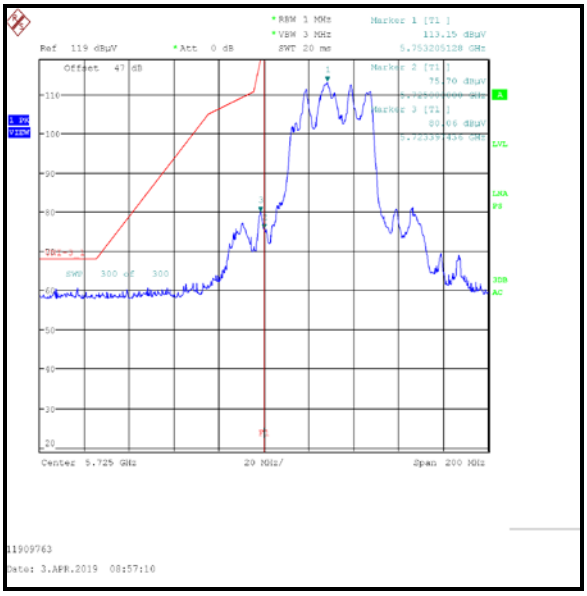
Results: 802.11n / 40 MHz / MCS0 / MIMO / Port 1+2+3/ PWL 23 / 8 dBi Antenna Group

Results: CH151 / Lower Band Edge / Peak

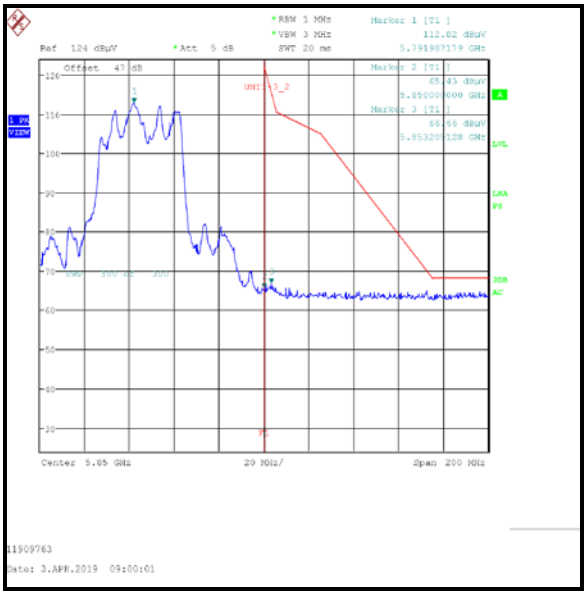
Frequency Range (MHz)	Frequency (MHz)	Peak Level (dBµV/m)	Limit Range (dBµV/m)	Margin (dB)	Result
F ≤ 5650	5640.00	60.08	68.2	8.12	Complied
5650 to 5700	--	--	68.2 to 105.2	--	Complied
5700 to 5720	--	--	105.2 to 110.8	--	Complied
5720 to 5725	5725.00	75.70	110.8 to 122.2	46.50	Complied

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	65.43	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	5930.00	63.50	68.2	4.70	Complied



Lower Band Edge Measurement



Upper Band Edge Measurement

Result: Pass

Transmitter Band Edge Radiated Emissions (continued)

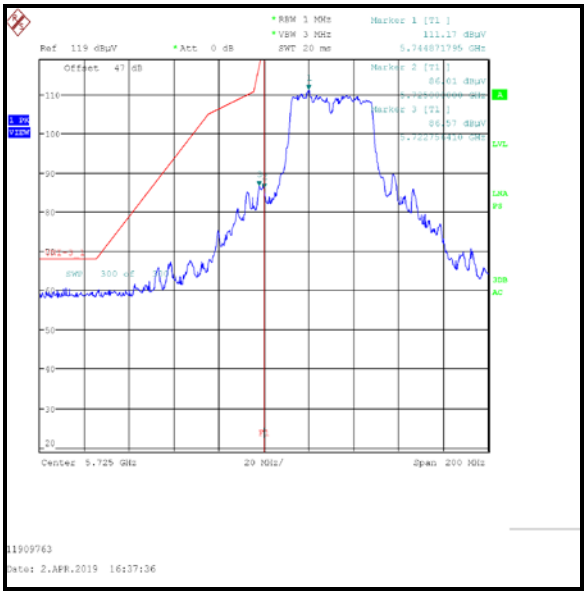
Results: 802.11ac / 40 MHz / MCS0 / MIMO / Port 1+2+3/ PWL 23 / 8 dBi Antenna Group

Results: CH151 / Lower Band Edge / Peak

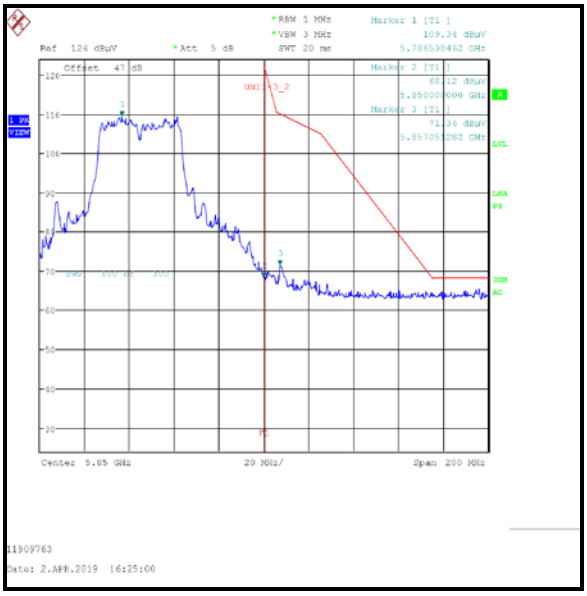
Frequency Range (MHz)	Frequency (MHz)	Peak Level (dBµV/m)	Limit Range (dBµV/m)	Margin (dB)	Result
F ≤ 5650	5635.00	60.06	68.2	8.14	Complied
5650 to 5700	--	--	68.2 to 105.2	--	Complied
5700 to 5720	--	--	105.2 to 110.8	--	Complied
5720 to 5725	5725.00	86.01	110.8 to 122.2	36.19	Complied

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	68.12	122.2 to 110.8	54.08	Complied
5855 to 5875	--	--	110.8 to 105.2	--	Complied
5875 to 5925	--	--	105.2 to 68.2	--	Complied
F ≥ 5925	5930.00	63.50	68.2	4.70	Complied



Lower Band Edge Measurement



Upper Band Edge Measurement

Result: Pass

Transmitter Band Edge Radiated Emissions (continued)

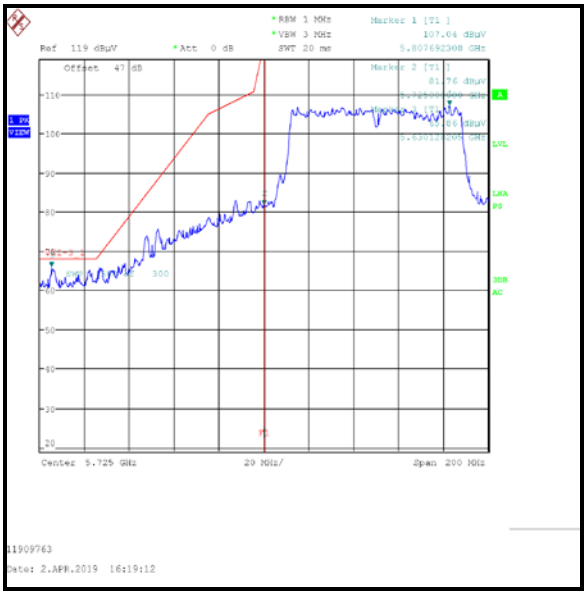
Results: 802.11ac / 80 MHz / MCS0 / MIMO / Port 1+2+3/ PWL 23 / 8 dBi Antenna Group

Results: CH155 / Lower Band Edge / Peak

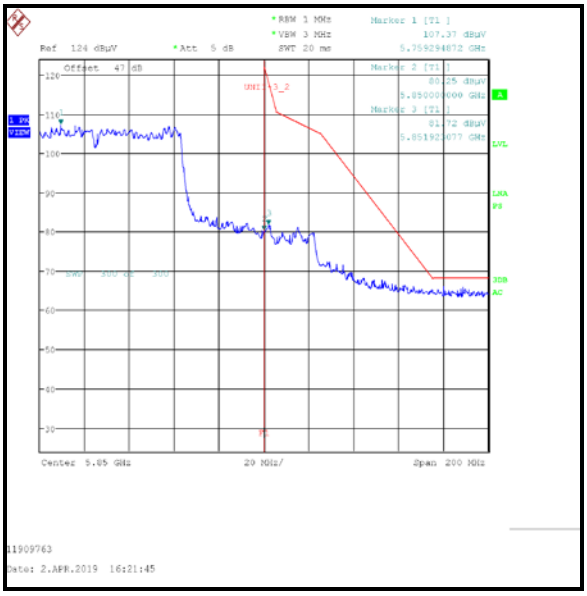
Frequency Range (MHz)	Frequency (MHz)	Peak Level (dBµV/m)	Limit Range (dBµV/m)	Margin (dB)	Result
F ≤ 5650	5630.12	65.86	68.2	2.34	Complied
5650 to 5700	--	--	68.2 to 105.2	--	Complied
5700 to 5720	--	--	105.2 to 110.8	--	Complied
5720 to 5725	5725.00	81.76	110.8 to 122.2	40.44	Complied

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	80.25	122.2 to 110.8	41.95	Complied
5855 to 5875	--	--	110.8 to 105.2	--	Complied
5875 to 5925	--	--	105.2 to 68.2	--	Complied
F ≥ 5925	5940.00	63.85	68.2	4.35	Complied



Lower Band Edge Measurement



Upper Band Edge Measurement

Result: Pass

Transmitter Band Edge Radiated Emissions (continued)

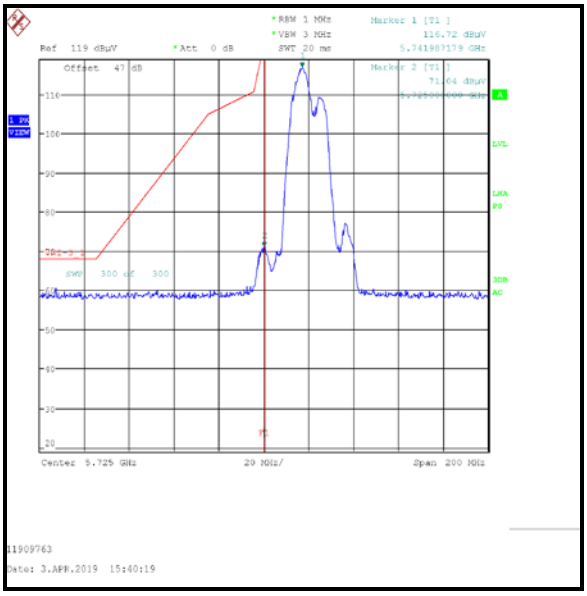
Results: 802.11a / 20 MHz / 6 Mbps / MIMO / Port 1+2+3+4/ PWL 21 / 8 dBi Antenna Group

Results: CH149 / Lower Band Edge / Peak

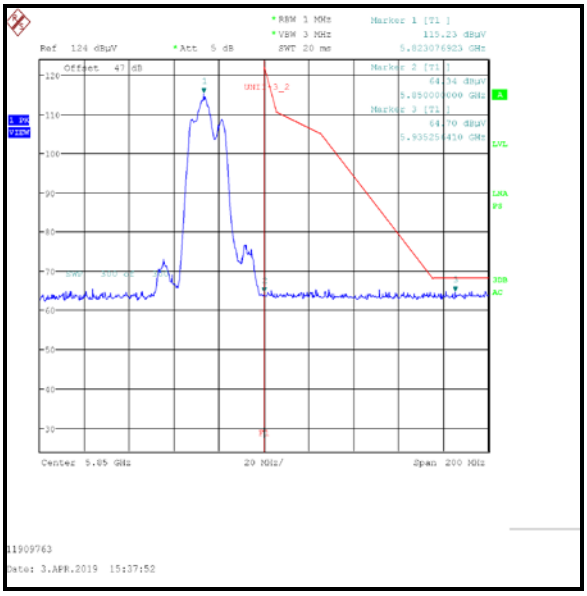
Frequency Range (MHz)	Frequency (MHz)	Peak Level (dBµV/m)	Limit Range (dBµV/m)	Margin (dB)	Result
F ≤ 5650	5632.00	60.05	68.2	8.15	Complied
5650 to 5700	--	--	68.2 to 105.2	--	Complied
5700 to 5720	--	--	105.2 to 110.8	--	Complied
5720 to 5725	5725.00	71.04	110.8 to 122.2	51.16	Complied

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	64.34	122.2 to 110.8	57.86	Complied
5855 to 5875	--	--	110.8 to 105.2	--	Complied
5875 to 5925	--	--	105.2 to 68.2	--	Complied
F ≥ 5925	5935.25	64.70	68.2	3.50	Complied



Lower Band Edge Measurement



Upper Band Edge Measurement

Result: Pass

Transmitter Band Edge Radiated Emissions (continued)

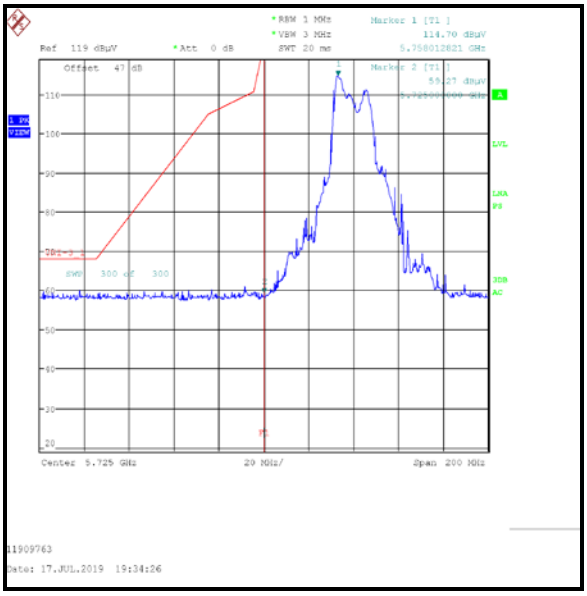
Results: 802.11a / 20 MHz / 6 Mbps / MIMO / Port 1+2+3+4/ PWL 24 / 8 dBi Antenna Group

Results: CH153 / Lower Band Edge / Peak

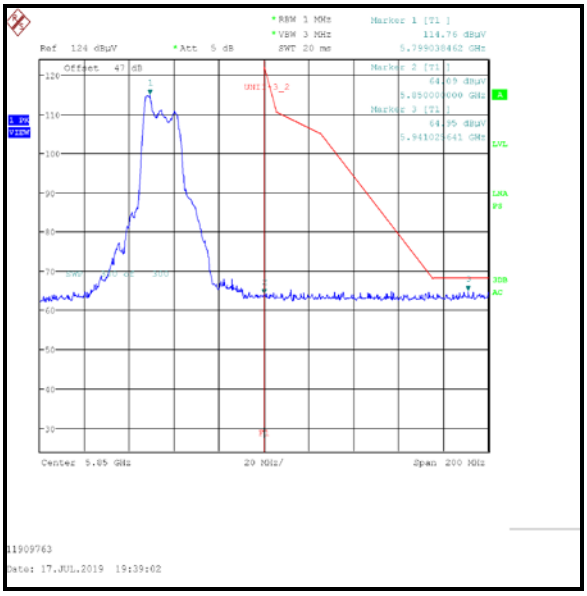
Frequency Range (MHz)	Frequency (MHz)	Peak Level (dBµV/m)	Limit Range (dBµV/m)	Margin (dB)	Result
F ≤ 5650	5641.5	60.00	68.2	8.20	Complied
5650 to 5700	--	--	68.2 to 105.2	--	Complied
5700 to 5720	--	--	105.2 to 110.8	--	Complied
5720 to 5725	5725.00	59.27	110.8 to 122.2	62.93	Complied

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	64.09	122.2 to 110.8	58.11	Complied
5855 to 5875	--	--	110.8 to 105.2	--	Complied
5875 to 5925	--	--	105.2 to 68.2	--	Complied
F ≥ 5925	5941.02	64.95	68.2	3.25	Complied



Lower Band Edge Measurement



Upper Band Edge Measurement

Result: Pass

Transmitter Band Edge Radiated Emissions (continued)

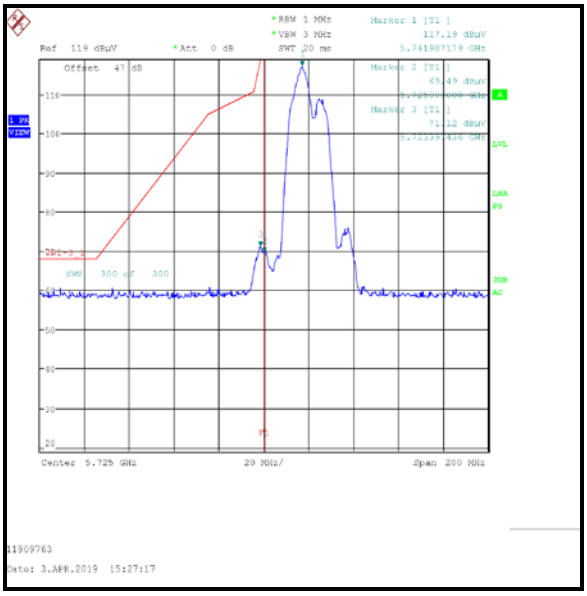
Results: 802.11n / 20 MHz / MCS0 / MIMO / Port 1+2+3+4/ PWL 21 / 8 dBi Antenna Group

Results: CH149 / Lower Band Edge / Peak

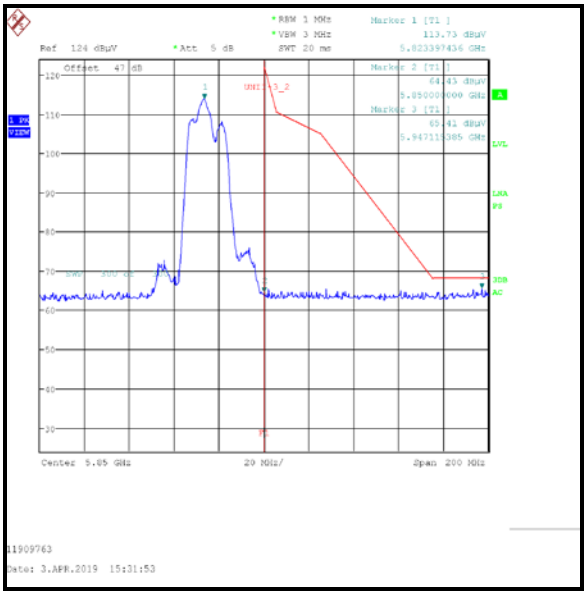
Frequency Range (MHz)	Frequency (MHz)	Peak Level (dBµV/m)	Limit Range (dBµV/m)	Margin (dB)	Result
F ≤ 5650	5630.50	60.25	68.2	7.95	Complied
5650 to 5700	--	--	68.2 to 105.2	--	Complied
5700 to 5720	--	--	105.2 to 110.8	--	Complied
5720 to 5725	5725.00	69.49	110.8 to 122.2	52.71	Complied

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	64.43	122.2 to 110.8	57.77	Complied
5855 to 5875	--	--	110.8 to 105.2	--	Complied
5875 to 5925	--	--	105.2 to 68.2	--	Complied
F ≥ 5925	5947.11	65.41	68.2	2.79	Complied



Lower Band Edge Measurement



Upper Band Edge Measurement

Result: Pass

Transmitter Band Edge Radiated Emissions (continued)

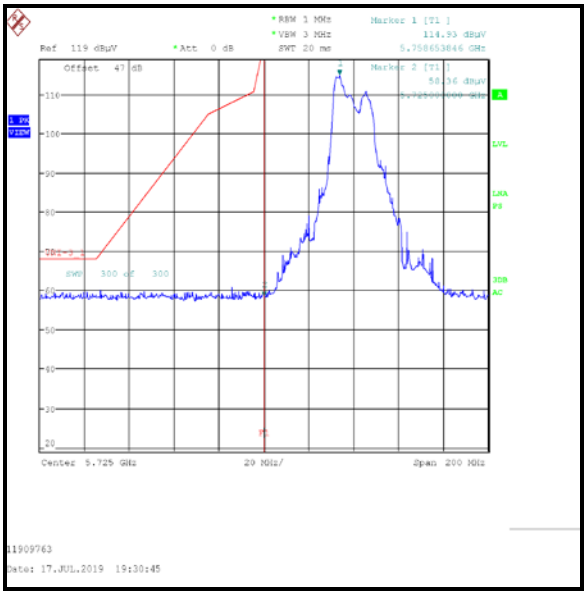
Results: 802.11n / 20 MHz / MCS0 / MIMO / Port 1+2+3+4/ PWL 24 / 8 dBi Antenna Group

Results: CH153 / Lower Band Edge / Peak

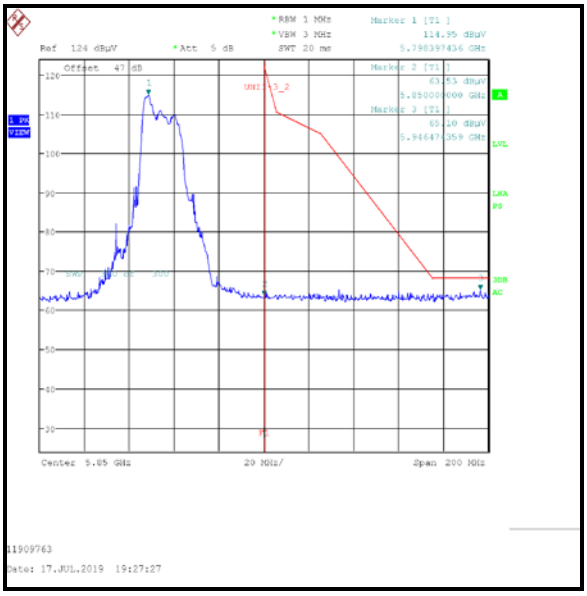
Frequency Range (MHz)	Frequency (MHz)	Peak Level (dBµV/m)	Limit Range (dBµV/m)	Margin (dB)	Result
F ≤ 5650	5645	59.85	68.2	8.35	Complied
5650 to 5700	--	--	68.2 to 105.2	--	Complied
5700 to 5720	--	--	105.2 to 110.8	--	Complied
5720 to 5725	5725.00	58.36	110.8 to 122.2	63.84	Complied

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	63.53	122.2 to 110.8	58.67	Complied
5855 to 5875	--	--	110.8 to 105.2	--	Complied
5875 to 5925	--	--	105.2 to 68.2	--	Complied
F ≥ 5925	5946.47	65.10	68.2	3.10	Complied



Lower Band Edge Measurement



Upper Band Edge Measurement

Result: Pass

Transmitter Band Edge Radiated Emissions (continued)

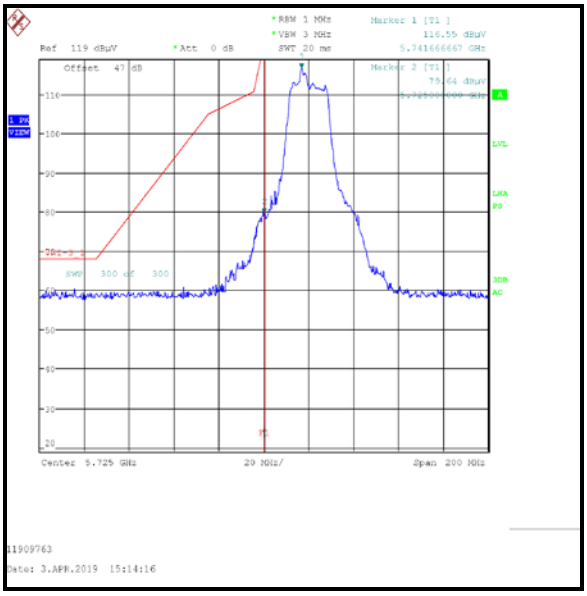
Results: 802.11ac / 20 MHz / MCS0 / MIMO / Port 1+2+3+4/ PWL 21 / 8 dBi Antenna Group

Results: CH149 / Lower Band Edge / Peak

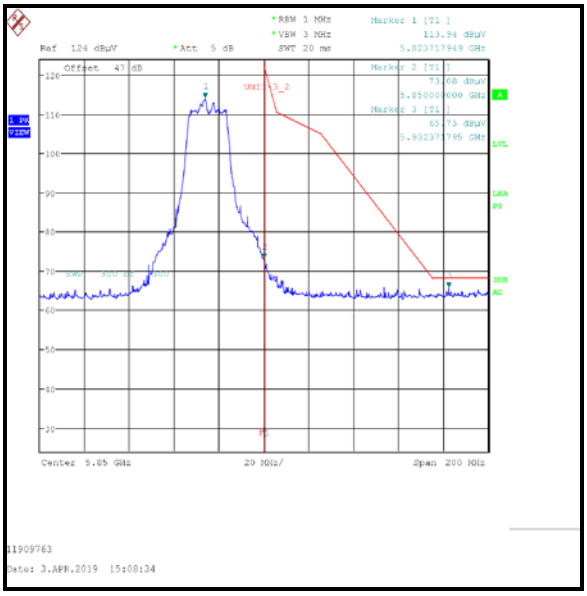
Frequency Range (MHz)	Frequency (MHz)	Peak Level (dBµV/m)	Limit Range (dBµV/m)	Margin (dB)	Result
F ≤ 5650	5642.00	60.05	68.2	8.15	Complied
5650 to 5700	--	--	68.2 to 105.2	--	Complied
5700 to 5720	--	--	105.2 to 110.8	--	Complied
5720 to 5725	5725.00	79.64	110.8 to 122.2	42.56	Complied

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	73.08	122.2 to 110.8	49.12	Complied
5855 to 5875	--	--	110.8 to 105.2	--	Complied
5875 to 5925	--	--	105.2 to 68.2	--	Complied
F ≥ 5925	5923.71	65.73	68.2	2.47	Complied



Lower Band Edge Measurement



Upper Band Edge Measurement

Result: Pass

Transmitter Band Edge Radiated Emissions (continued)

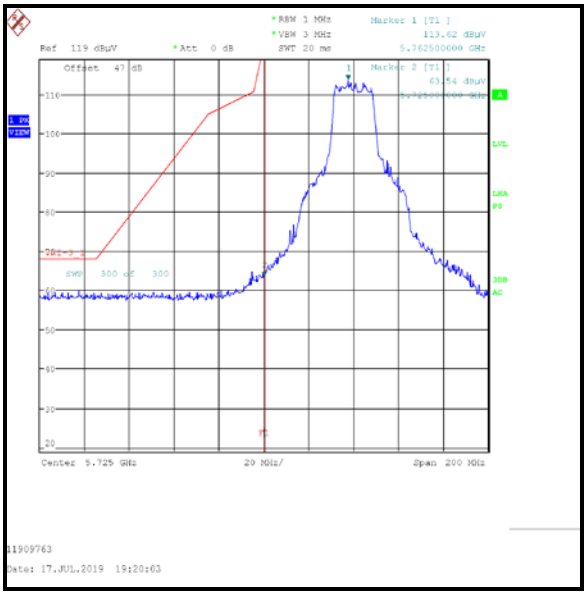
Results: 802.11ac / 20 MHz / MCS0 / MIMO / Port 1+2+3+4/ PWL24 / 8 dBi Antenna Group

Results: CH153 / Lower Band Edge / Peak

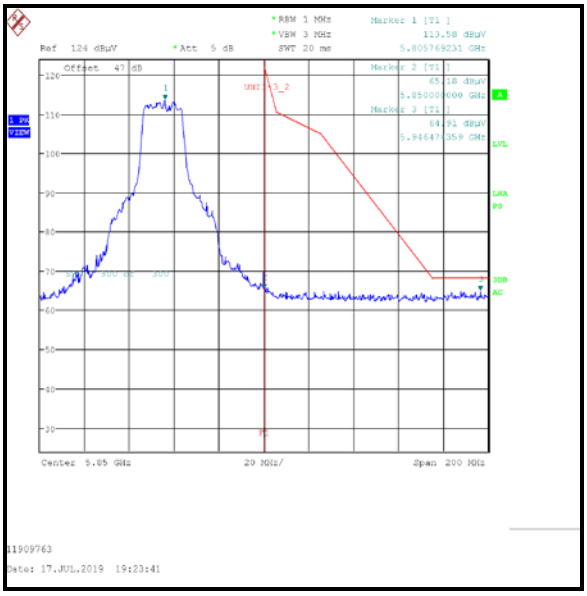
Frequency Range (MHz)	Frequency (MHz)	Peak Level (dBµV/m)	Limit Range (dBµV/m)	Margin (dB)	Result
F ≤ 5650	5643.00	60.00	68.2	8.20	Complied
5650 to 5700	--	--	68.2 to 105.2	--	Complied
5700 to 5720	--	--	105.2 to 110.8	--	Complied
5720 to 5725	5725.00	63.54	110.8 to 122.2	58.66	Complied

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	65.18	122.2 to 110.8	57.02	Complied
5855 to 5875	--	--	110.8 to 105.2	--	Complied
5875 to 5925	--	--	105.2 to 68.2	--	Complied
F ≥ 5925	5946.47	64.91	68.2	3.29	Complied



Lower Band Edge Measurement



Upper Band Edge Measurement

Result: Pass

Transmitter Band Edge Radiated Emissions (continued)

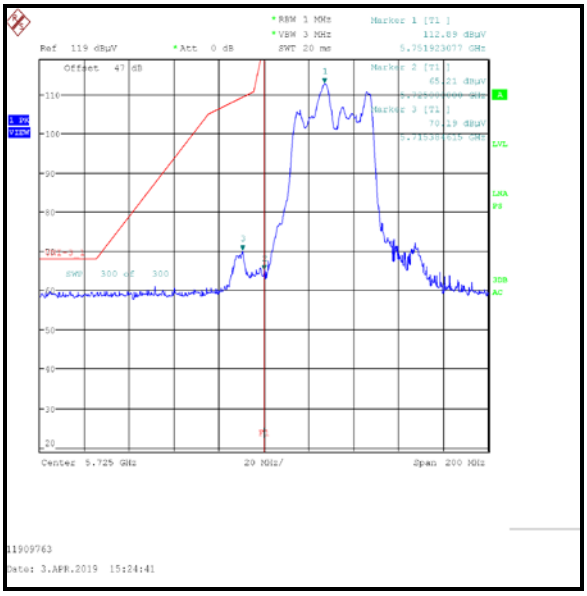
Results: 802.11n / 40 MHz / MCS0 / MIMO / Port 1+2+3+4/ PWL 21 / 8 dBi Antenna Group

Results: CH151 / Lower Band Edge / Peak

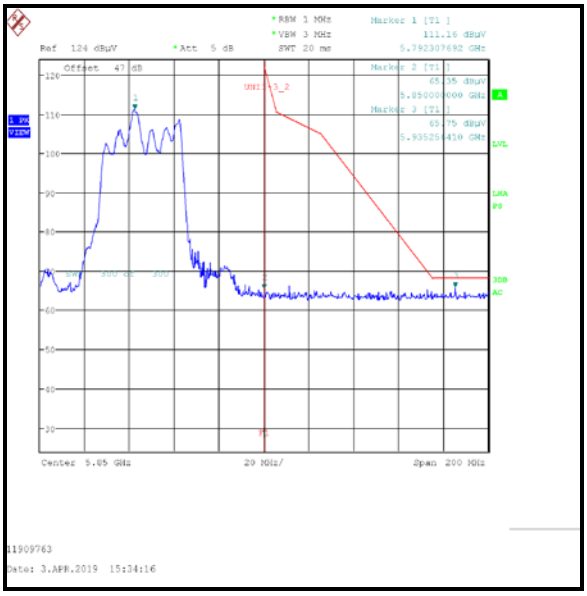
Frequency Range (MHz)	Frequency (MHz)	Peak Level (dBµV/m)	Limit Range (dBµV/m)	Margin (dB)	Result
F ≤ 5650	5635.00	59.85	68.2	8.35	Complied
5650 to 5700	--	--	68.2 to 105.2	--	Complied
5700 to 5720	--	--	105.2 to 110.8	--	Complied
5720 to 5725	5725.00	65.21	110.8 to 122.2	56.99	Complied

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	65.35	122.2 to 110.8	56.85	Complied
5855 to 5875	--	--	110.8 to 105.2	--	Complied
5875 to 5925	--	--	105.2 to 68.2	--	Complied
F ≥ 5925	5935.25	65.75	68.2	2.45	Complied



Lower Band Edge Measurement



Upper Band Edge Measurement

Result: Pass

Transmitter Band Edge Radiated Emissions (continued)

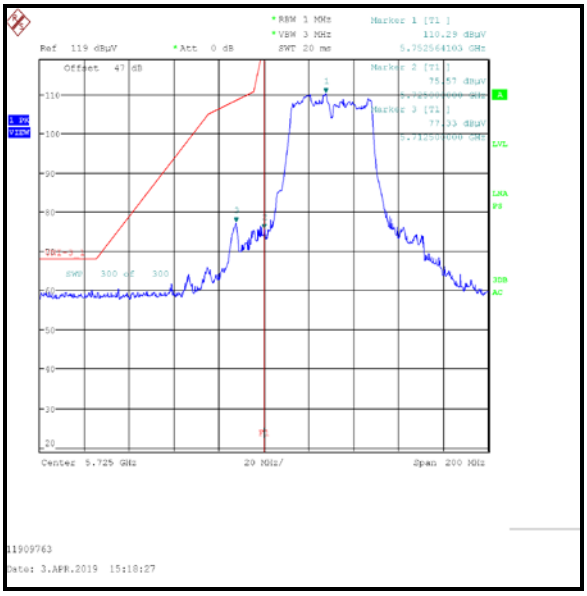
Results: 802.11ac / 40 MHz / MCS0 / MIMO / Port 1+2+3+4/ PWL 21 / 8 dBi Antenna Group

Results: CH151/ Lower Band Edge / Peak

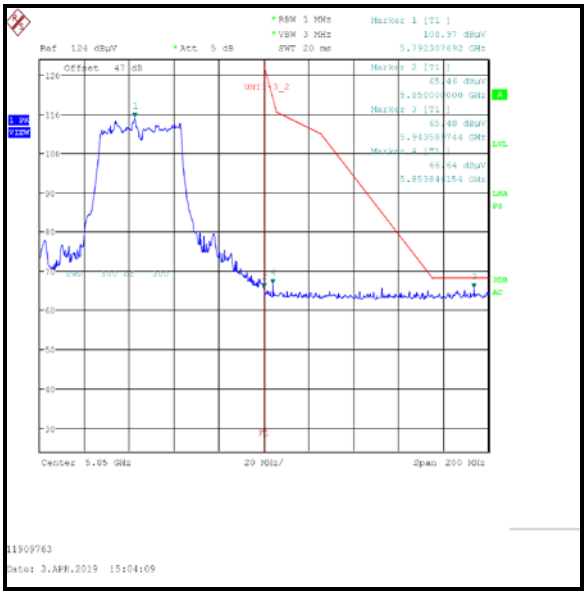
Frequency Range (MHz)	Frequency (MHz)	Peak Level (dBµV/m)	Limit Range (dBµV/m)	Margin (dB)	Result
F ≤ 5650	5630.00	60.00	68.2	8.20	Complied
5650 to 5700	--	--	68.2 to 105.2	--	Complied
5700 to 5720	--	--	105.2 to 110.8	--	Complied
5720 to 5725	5725.00	75.57	110.8 to 122.2	46.63	Complied

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	65.46	122.2 to 110.8	56.74	Complied
5855 to 5875	--	--	110.8 to 105.2	--	Complied
5875 to 5925	--	--	105.2 to 68.2	--	Complied
F ≥ 5925	5943.58	65.48	68.2	2.72	Complied



Lower Band Edge Measurement



Upper Band Edge Measurement

Result: Pass

Transmitter Band Edge Radiated Emissions (continued)

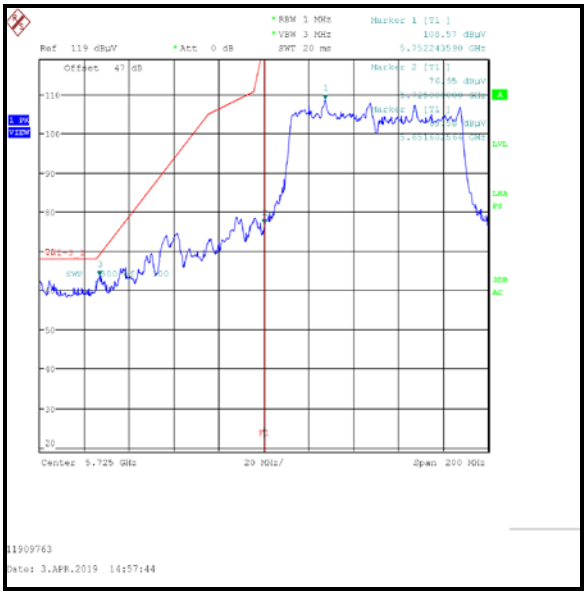
Results: 802.11ac / 80 MHz / MCS0 / MIMO / Port 1+2+3+4/ PWL 21 / 8 dBi Antenna Group

Results: CH155 / Lower Band Edge / Peak

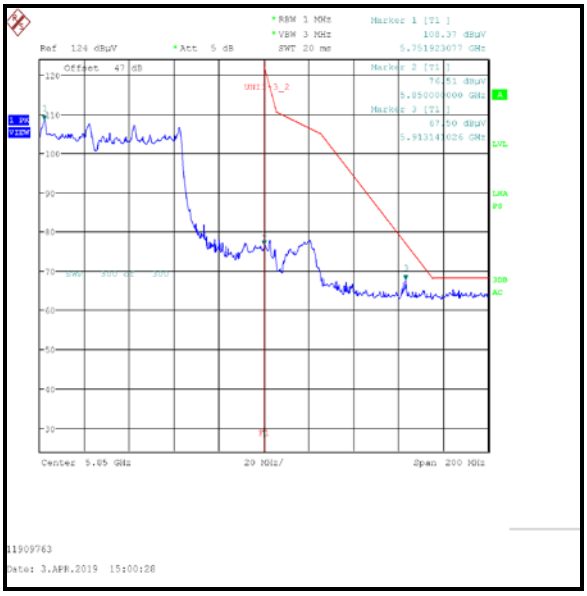
Frequency Range (MHz)	Frequency (MHz)	Peak Level (dBµV/m)	Limit Range (dBµV/m)	Margin (dB)	Result
F ≤ 5650	5625.00	62.70	68.2	5.50	Complied
5650 to 5700	--	--	68.2 to 105.2	--	Complied
5700 to 5720	--	--	105.2 to 110.8	--	Complied
5720 to 5725	5725.00	76.95	110.8 to 122.2	45.25	Complied

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	76.51	122.2 to 110.8	45.69	Complied
5855 to 5875	--	--	110.8 to 105.2	--	Complied
5875 to 5925	--	--	105.2 to 68.2	--	Complied
F ≥ 5925	5935.00	65.05	68.2	3.15	Complied



Lower Band Edge Measurement



Upper Band Edge Measurement

Result: Pass

9 dBi Antenna Group

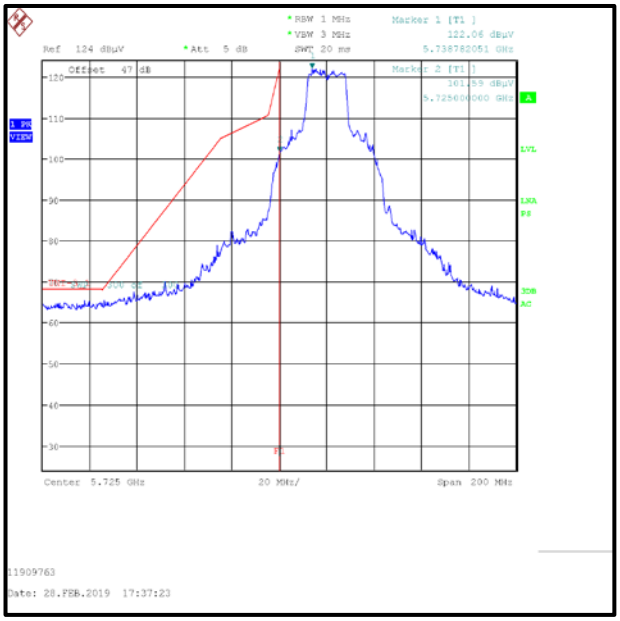
Results: 802.11a / 20 MHz / 6 Mbps / SISO / Port 1 / PWL 16 / 9 dBi Antenna Group

Results: CH149 / Lower Band Edge / Peak

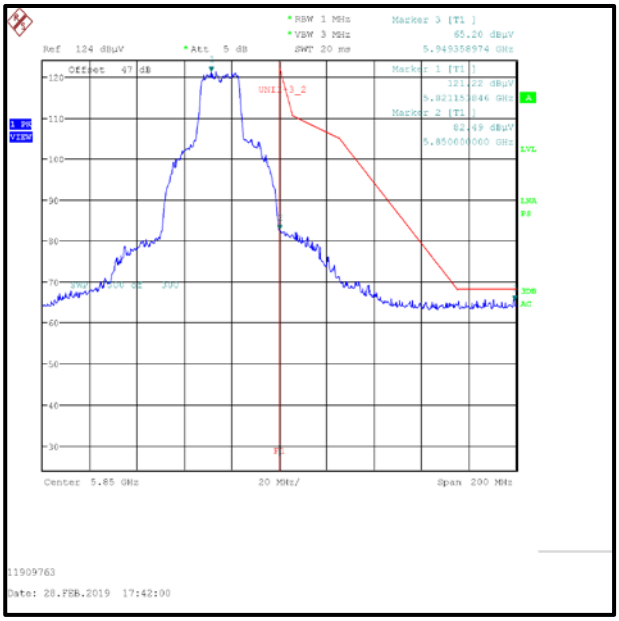
Frequency Range (MHz)	Frequency (MHz)	Peak Level (dBµV/m)	Limit Range (dBµV/m)	Margin (dB)	Result
F ≤ 5650	5645.00	64.85	68.2	3.35	Complied
5650 to 5700	--	--	68.2 to 105.2	--	Complied
5700 to 5720	--	--	105.2 to 110.8	--	Complied
5720 to 5725	5725.00	101.59	110.8 to 122.2	20.61	Complied

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	82.49	122.2 to 110.8	39.71	Complied
5855 to 5875	--	--	110.8 to 105.2	--	Complied
5875 to 5925	--	--	105.2 to 68.2	--	Complied
F ≥ 5925	5949.35	65.20	68.2	3.00	Complied



Lower Band Edge Measurement



Upper Band Edge Measurement

Result: Pass

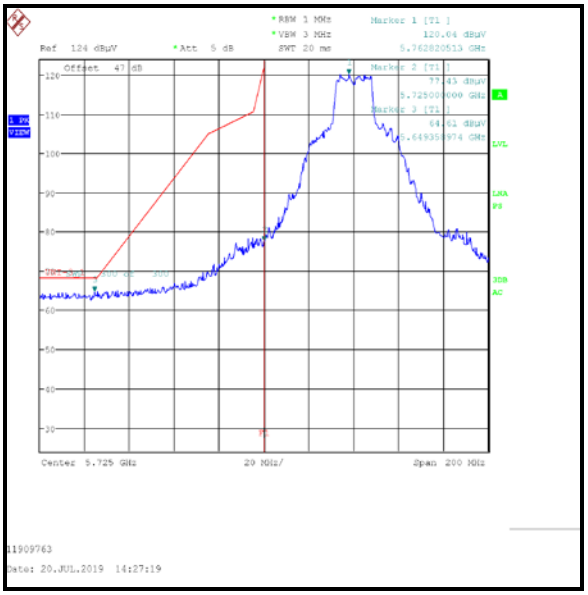
Results: 802.11a / 20 MHz / 6 Mbps / SISO / Port 1 / PWL 26 / 9 dBi Antenna Group

Results: CH153 / Lower Band Edge / Peak

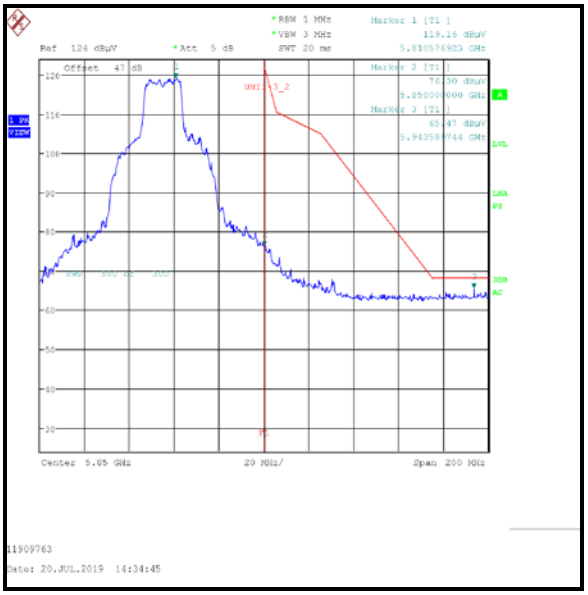
Frequency Range (MHz)	Frequency (MHz)	Peak Level (dBµV/m)	Limit Range (dBµV/m)	Margin (dB)	Result
F ≤ 5650	5649.35	64.61	68.2	3.59	Complied
5650 to 5700	--	--	68.2 to 105.2	--	Complied
5700 to 5720	--	--	105.2 to 110.8	--	Complied
5720 to 5725	5725.00	77.43	110.8 to 122.2	44.77	Complied

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	76.30	122.2 to 110.8	45.90	Complied
5855 to 5875	--	--	110.8 to 105.2	--	Complied
5875 to 5925	--	--	105.2 to 68.2	--	Complied
F ≥ 5925	5943.58	65.47	68.2	2.73	Complied



Lower Band Edge Measurement



Upper Band Edge Measurement

Result: Pass

Transmitter Band Edge Radiated Emissions (continued)

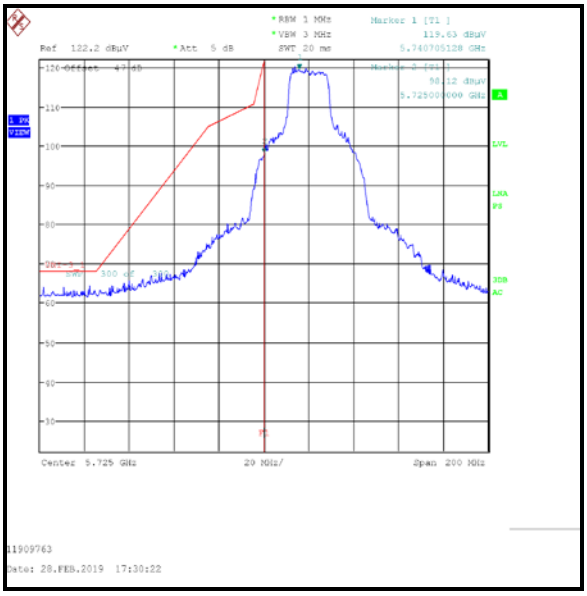
Results: 802.11n / 20 MHz / MCS0 / SISO / Port 1 / PWL 16 / 9 dBi Antenna Group

Results: CH149 / Lower Band Edge / Peak

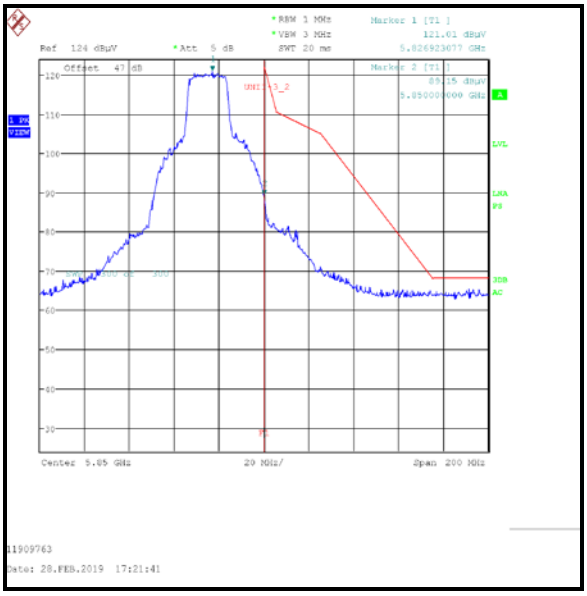
Frequency Range (MHz)	Frequency (MHz)	Peak Level (dBµV/m)	Limit Range (dBµV/m)	Margin (dB)	Result
F ≤ 5650	5635.00	63.50	68.2	4.70	Complied
5650 to 5700	--	--	68.2 to 105.2	--	Complied
5700 to 5720	--	--	105.2 to 110.8	--	Complied
5720 to 5725	5725.00	98.12	110.8 to 122.2	24.08	Complied

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	89.15	122.2 to 110.8	33.05	Complied
5855 to 5875	--	--	110.8 to 105.2	--	Complied
5875 to 5925	--	--	105.2 to 68.2	--	Complied
F ≥ 5925	5940.00	65.25	68.2	2.95	Complied



Lower Band Edge Measurement



Upper Band Edge Measurement

Result: Pass

Transmitter Band Edge Radiated Emissions (continued)

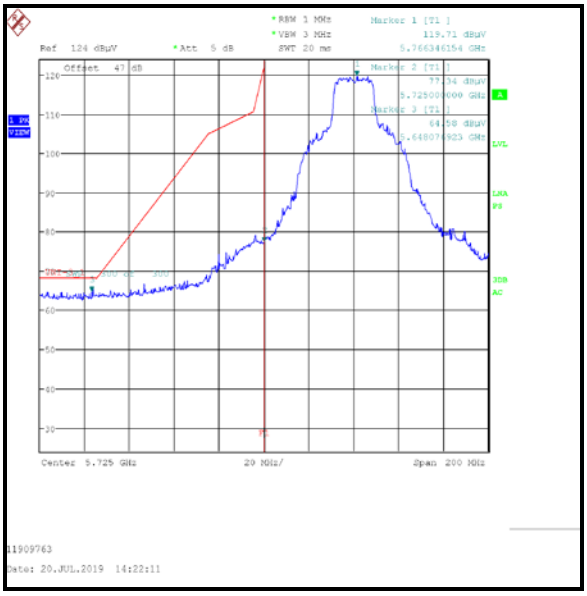
Results: 802.11n / 20 MHz / MCS0 / SISO / Port 1 / PWL 26 / 9 dBi Antenna Group

Results: CH153 / Lower Band Edge / Peak

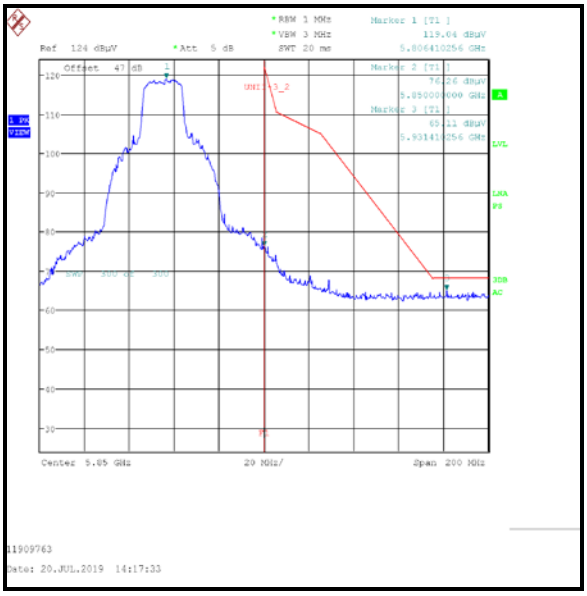
Frequency Range (MHz)	Frequency (MHz)	Peak Level (dBµV/m)	Limit Range (dBµV/m)	Margin (dB)	Result
F ≤ 5650	5648.07	64.58	68.2	3.62	Complied
5650 to 5700	--	--	68.2 to 105.2	--	Complied
5700 to 5720	--	--	105.2 to 110.8	--	Complied
5720 to 5725	5725.00	77.34	110.8 to 122.2	44.86	Complied

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	76.26	122.2 to 110.8	45.94	Complied
5855 to 5875	--	--	110.8 to 105.2	--	Complied
5875 to 5925	--	--	105.2 to 68.2	--	Complied
F ≥ 5925	5931.41	65.11	68.2	3.09	Complied



Lower Band Edge Measurement



Upper Band Edge Measurement

Result: Pass

Transmitter Band Edge Radiated Emissions (continued)

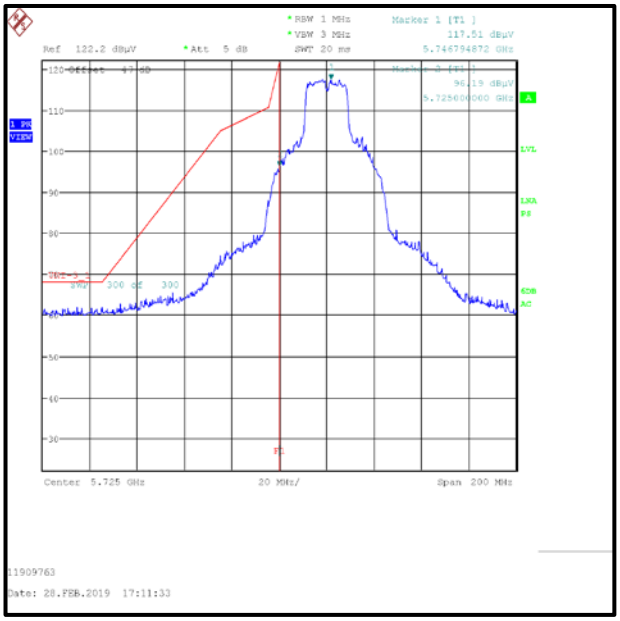
Results: 802.11ac / 20 MHz / MCS0 / SISO / Port 1 / PWL 16 / 9 dBi Antenna Group

Results: CH149 / Lower Band Edge / Peak

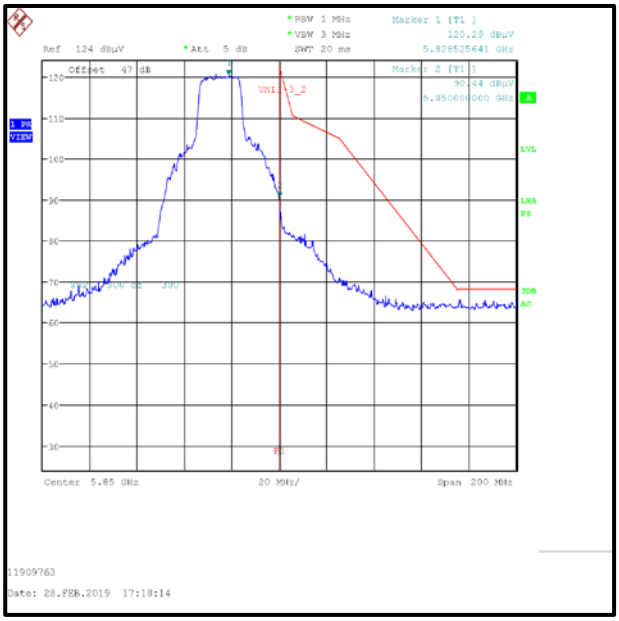
Frequency Range (MHz)	Frequency (MHz)	Peak Level (dBµV/m)	Limit Range (dBµV/m)	Margin (dB)	Result
F ≤ 5650	5625.00	60.00	68.2	8.20	Complied
5650 to 5700	--	--	68.2 to 105.2	--	Complied
5700 to 5720	--	--	105.2 to 110.8	--	Complied
5720 to 5725	5725.00	96.19	110.8 to 122.2	26.01	Complied

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	90.44	122.2 to 110.8	31.76	Complied
5855 to 5875	--	--	110.8 to 105.2	--	Complied
5875 to 5925	--	--	105.2 to 68.2	--	Complied
F ≥ 5925	5925.00	65.00	68.2	3.20	Complied



Lower Band Edge Measurement



Upper Band Edge Measurement

Result: Pass

Transmitter Band Edge Radiated Emissions (continued)

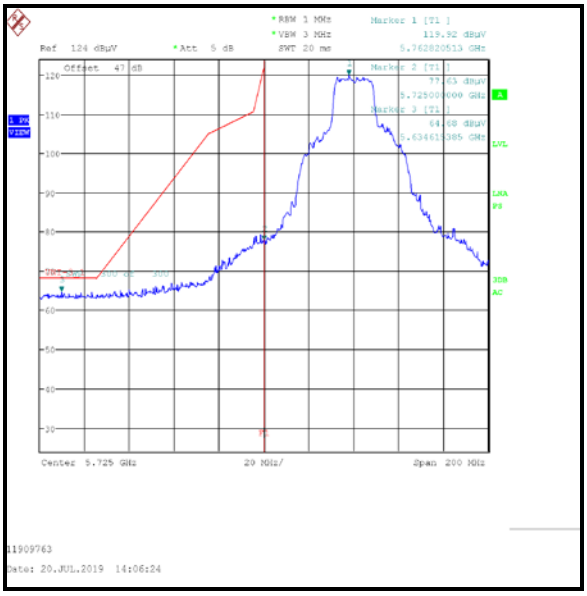
Results: 802.11ac / 20 MHz / MCS0 / SISO / Port 1 / PWL 26 / 9 dBi Antenna Group

Results: CH153 / Lower Band Edge / Peak

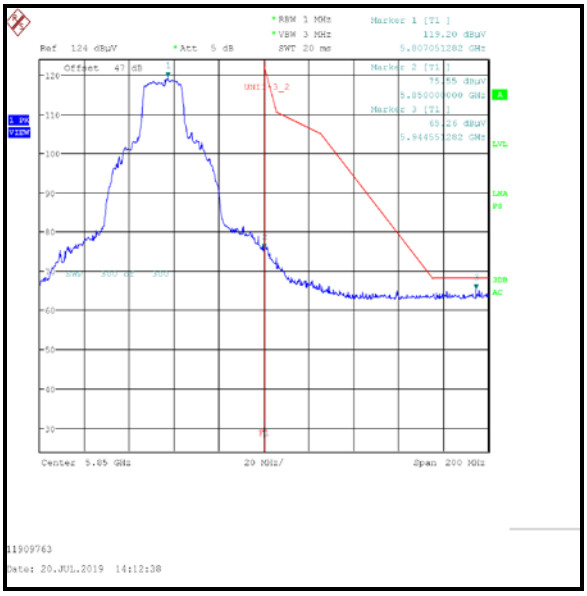
Frequency Range (MHz)	Frequency (MHz)	Peak Level (dBµV/m)	Limit Range (dBµV/m)	Margin (dB)	Result
F ≤ 5650	5634.61	64.68	68.2	3.52	Complied
5650 to 5700	--	--	68.2 to 105.2	--	Complied
5700 to 5720	--	--	105.2 to 110.8	--	Complied
5720 to 5725	5725.00	77.63	110.8 to 122.2	44.57	Complied

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	75.55	122.2 to 110.8	46.65	Complied
5855 to 5875	--	--	110.8 to 105.2	--	Complied
5875 to 5925	--	--	105.2 to 68.2	--	Complied
F ≥ 5925	5944.55	65.26	68.2	2.94	Complied



Lower Band Edge Measurement



Upper Band Edge Measurement

Result: Pass

Transmitter Band Edge Radiated Emissions (continued)

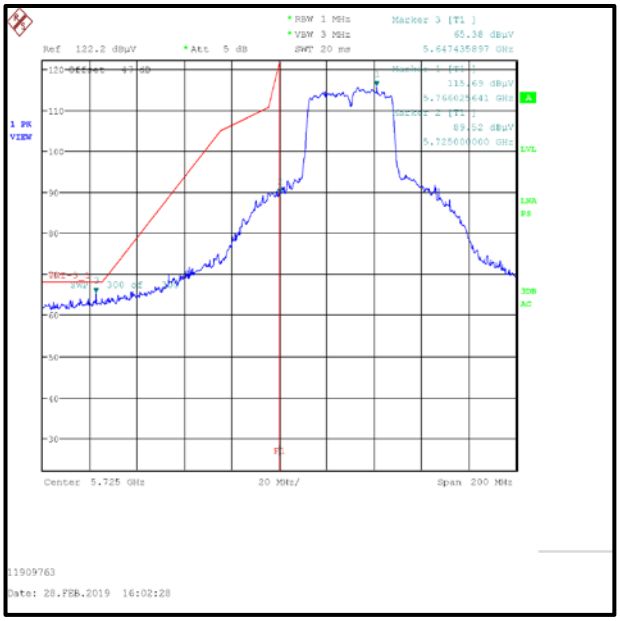
Results: 802.11n / 40 MHz / MCS0 / SISO / Port 1 / PWL 16 / 9 dBi Antenna Group

Results: CH151 / Lower Band Edge / Peak

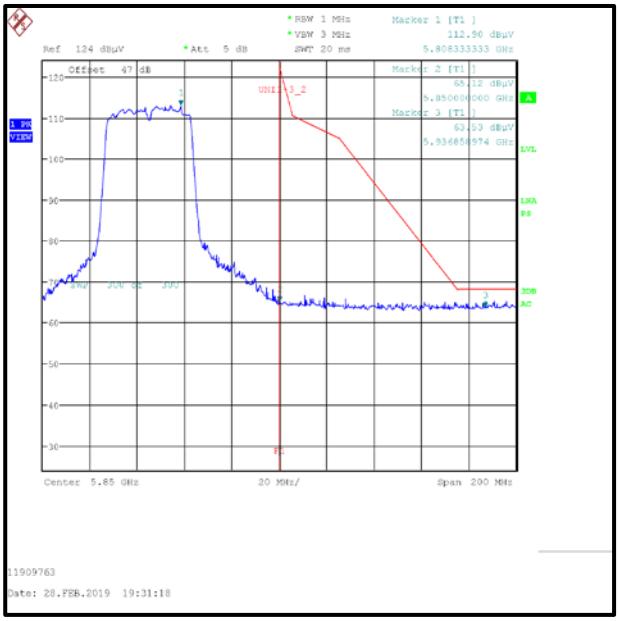
Frequency Range (MHz)	Frequency (MHz)	Peak Level (dBµV/m)	Limit Range (dBµV/m)	Margin (dB)	Result
F ≤ 5650	5647.43	65.38	68.2	2.82	Complied
5650 to 5700	--	--	68.2 to 105.2	--	Complied
5700 to 5720	--	--	105.2 to 110.8	--	Complied
5720 to 5725	5725.00	89.52	110.8 to 122.2	32.68	Complied

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	65.12	122.2 to 110.8	57.08	Complied
5855 to 5875	--	--	110.8 to 105.2	--	Complied
5875 to 5925	--	--	105.2 to 68.2	--	Complied
F ≥ 5925	5936.85	63.53	68.2	4.67	Complied



Lower Band Edge Measurement



Upper Band Edge Measurement

Result: Pass

Transmitter Band Edge Radiated Emissions (continued)

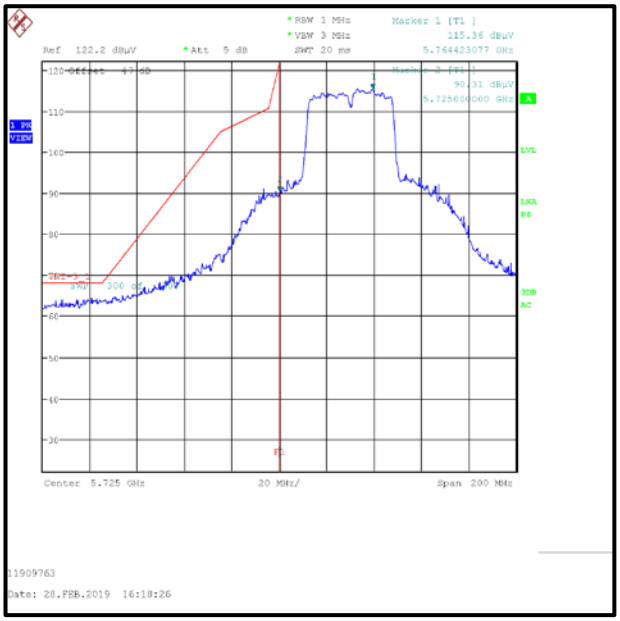
Results: 802.11ac / 40 MHz / MCS0 / SISO / Port 1 / PWL 16 / 9 dBi Antenna Group

Results: CH151 / Lower Band Edge / Peak

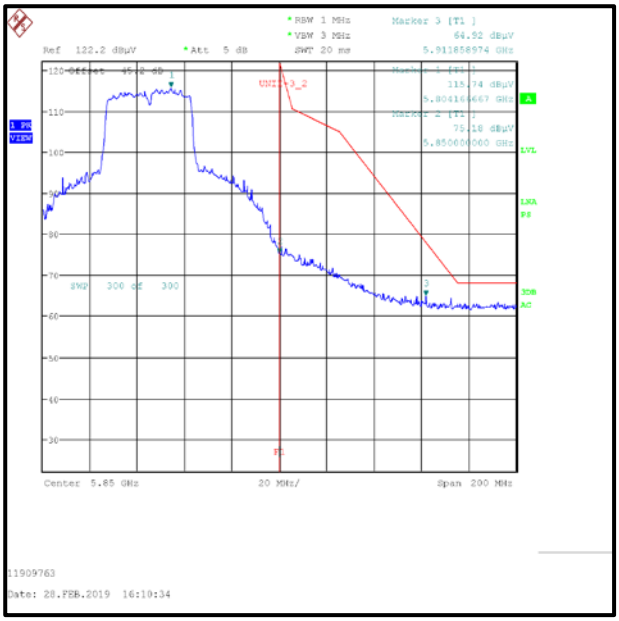
Frequency Range (MHz)	Frequency (MHz)	Peak Level (dBµV/m)	Limit Range (dBµV/m)	Margin (dB)	Result
F ≤ 5650	5645.00	64.80	68.2	3.40	Complied
5650 to 5700	--	--	68.2 to 105.2	--	Complied
5700 to 5720	--	--	105.2 to 110.8	--	Complied
5720 to 5725	5725.00	90.31	110.8 to 122.2	31.89	Complied

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	75.18	122.2 to 110.8	47.02	Complied
5855 to 5875	--	--	110.8 to 105.2	--	Complied
5875 to 5925	--	--	105.2 to 68.2	--	Complied
F ≥ 5925	5940.00	62.50	68.2	5.70	Complied



Lower Band Edge Measurement



Upper Band Edge Measurement

Result: Pass

Transmitter Band Edge Radiated Emissions (continued)

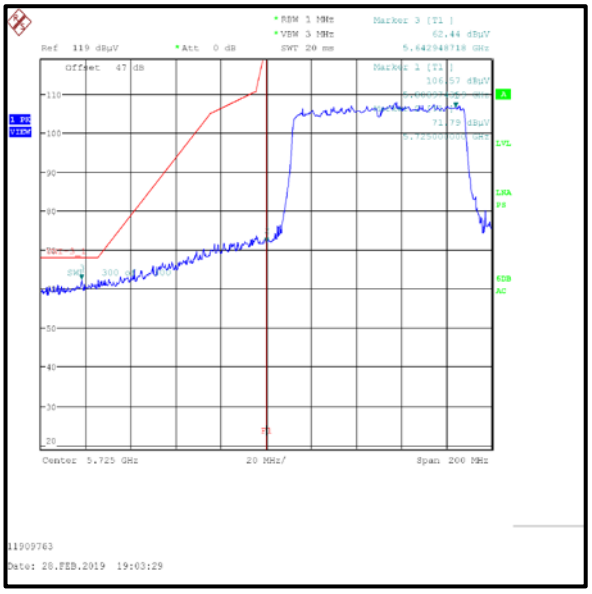
Results: 802.11ac / 80 MHz / MCS0 / SISO / Port 1 / PWL 16 / 9 dBi Antenna Group

Results: CH155 / Lower Band Edge / Peak

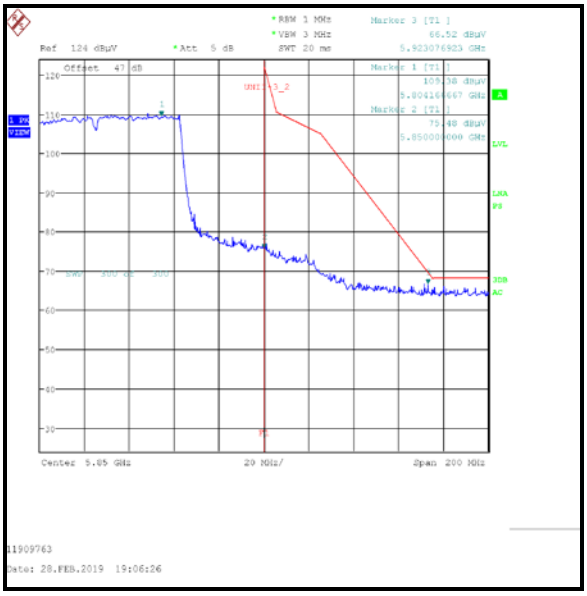
Frequency Range (MHz)	Frequency (MHz)	Peak Level (dBµV/m)	Limit Range (dBµV/m)	Margin (dB)	Result
F ≤ 5650	5642.94	62.44	68.2	5.76	Complied
5650 to 5700	--	--	68.2 to 105.2	--	Complied
5700 to 5720	--	--	105.2 to 110.8	--	Complied
5720 to 5725	5725.00	71.79	110.8 to 122.2	50.41	Complied

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	75.48	122.2 to 110.8	46.72	Complied
5855 to 5875	--	--	110.8 to 105.2	--	Complied
5875 to 5925	--	--	105.2 to 68.2	--	Complied
F ≥ 5925	5930.00	66.00	68.2	2.20	Complied



Lower Band Edge Measurement



Upper Band Edge Measurement

Result: Pass

Transmitter Band Edge Radiated Emissions (continued)

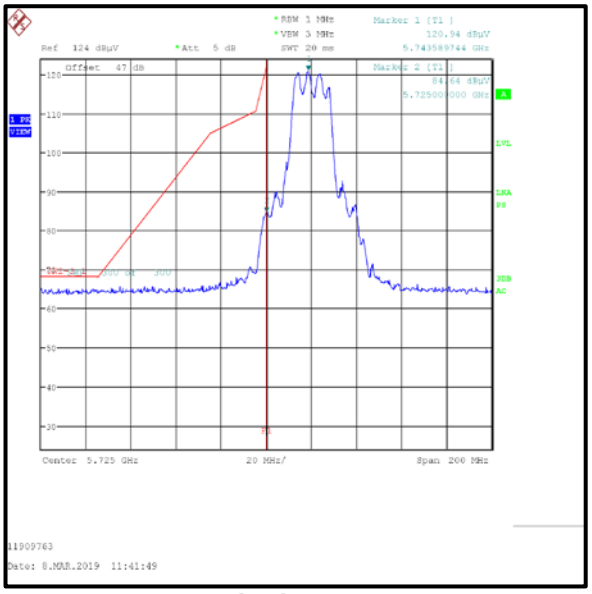
Results: 802.11a / 20 MHz / 6 Mbps / MIMO / Port 1+2 / PWL 21 / 9 dBi Antenna Group

Results: CH149 / Lower Band Edge / Peak

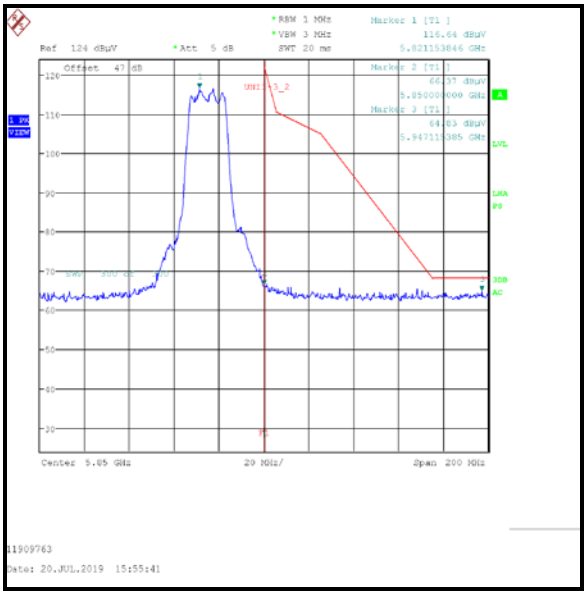
Frequency Range (MHz)	Frequency (MHz)	Peak Level (dBµV/m)	Limit Range (dBµV/m)	Margin (dB)	Result
F ≤ 5650	5625.00	64.85	68.2	3.35	Complied
5650 to 5700	--	--	68.2 to 105.2	--	Complied
5700 to 5720	--	--	105.2 to 110.8	--	Complied
5720 to 5725	5725.00	84.64	110.8 to 122.2	37.56	Complied

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	66.37	122.2 to 110.8	55.83	Complied
5855 to 5875	--	--	110.8 to 105.2	--	Complied
5875 to 5925	--	--	105.2 to 68.2	--	Complied
F ≥ 5925	5947.11	64.83	68.2	3.37	Complied



Lower Band Edge Measurement



Upper Band Edge Measurement

Result: Pass

Transmitter Band Edge Radiated Emissions (continued)

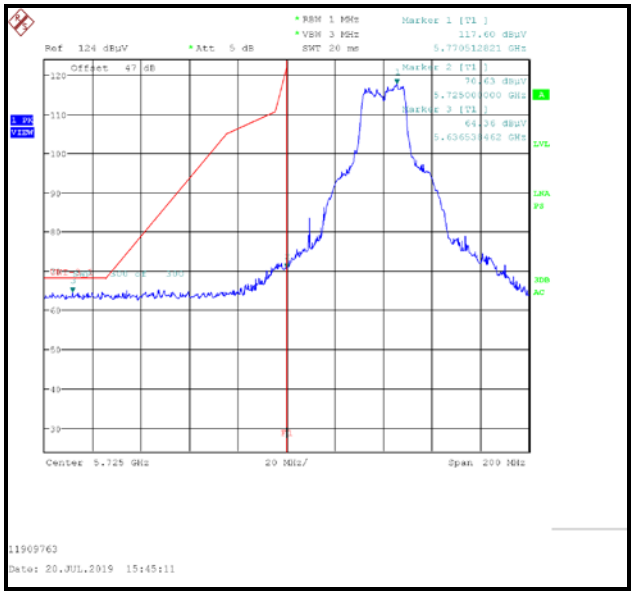
Results: 802.11a / 20 MHz / 6 Mbps / MIMO / Port 1+2 / PWL 26 / 9 dBi Antenna Group

Results: CH153 / Lower Band Edge / Peak

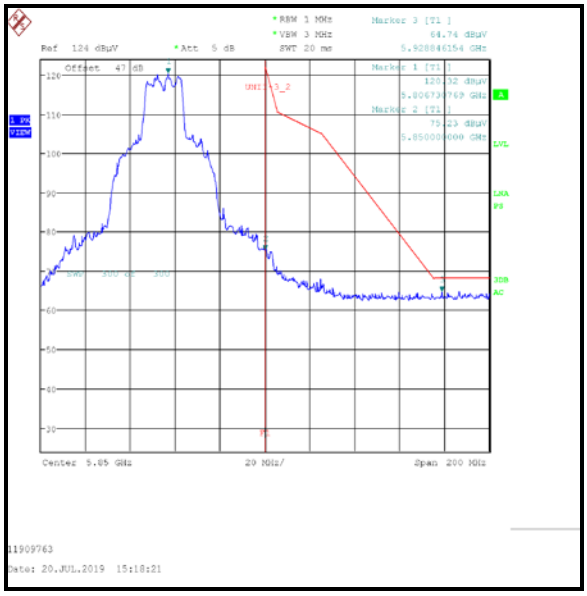
Frequency Range (MHz)	Frequency (MHz)	Peak Level (dBµV/m)	Limit Range (dBµV/m)	Margin (dB)	Result
F ≤ 5650	5636.53	64.36	68.2	3.84	Complied
5650 to 5700	--	--	68.2 to 105.2	--	Complied
5700 to 5720	--	--	105.2 to 110.8	--	Complied
5720 to 5725	5725.00	70.63	110.8 to 122.2	51.57	Complied

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	75.23	122.2 to 110.8	46.97	Complied
5855 to 5875	--	--	110.8 to 105.2	--	Complied
5875 to 5925	--	--	105.2 to 68.2	--	Complied
F ≥ 5925	5928.84	64.74	68.2	3.46	Complied



Lower Band Edge Measurement



Upper Band Edge Measurement

Result: Pass

Transmitter Band Edge Radiated Emissions (continued)

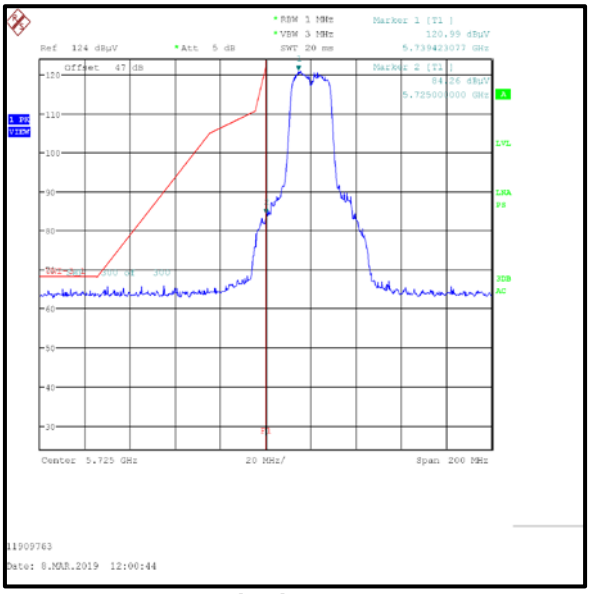
Results: 802.11n / 20 MHz / MCS0 / MIMO / Port 1+2 / PWL 21 / 9 dBi Antenna Group

Results: CH149 / Lower Band Edge / Peak

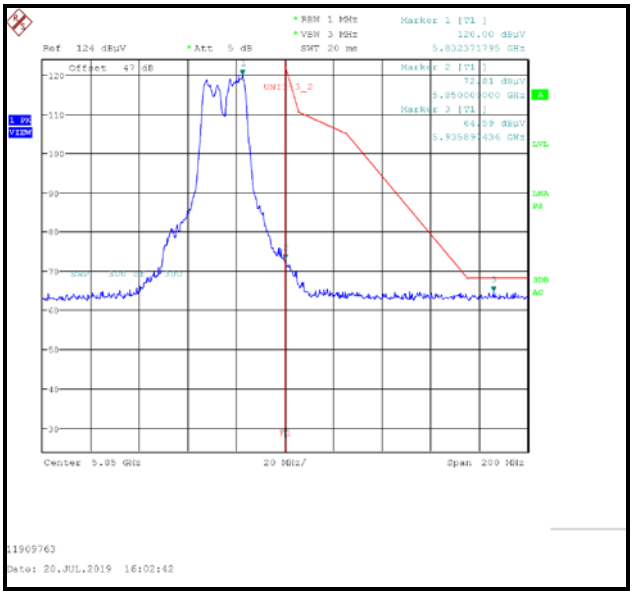
Frequency Range (MHz)	Frequency (MHz)	Peak Level (dBµV/m)	Limit Range (dBµV/m)	Margin (dB)	Result
F ≤ 5650	5630.00	63.75	68.2	4.45	Complied
5650 to 5700	--	--	68.2 to 105.2	--	Complied
5700 to 5720	--	--	105.2 to 110.8	--	Complied
5720 to 5725	5725.00	84.26	110.8 to 122.2	37.94	Complied

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	72.81	122.2 to 110.8	49.39	Complied
5855 to 5875	--	--	110.8 to 105.2	--	Complied
5875 to 5925	--	--	105.2 to 68.2	--	Complied
F ≥ 5925	5935.89	64.59	68.2	3.61	Complied



Lower Band Edge Measurement



Upper Band Edge Measurement

Result: Pass

Transmitter Band Edge Radiated Emissions (continued)

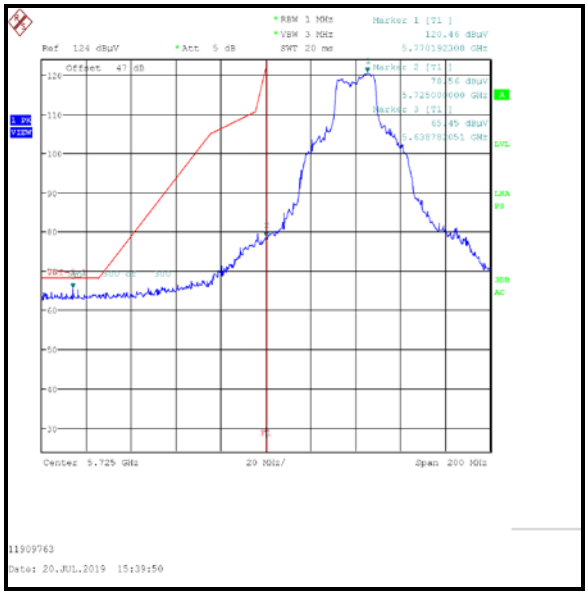
Results: 802.11n / 20 MHz / MCS0 / MIMO / Port 1+2 / PWL 26 / 9 dBi Antenna Group

Results: CH153 / Lower Band Edge / Peak

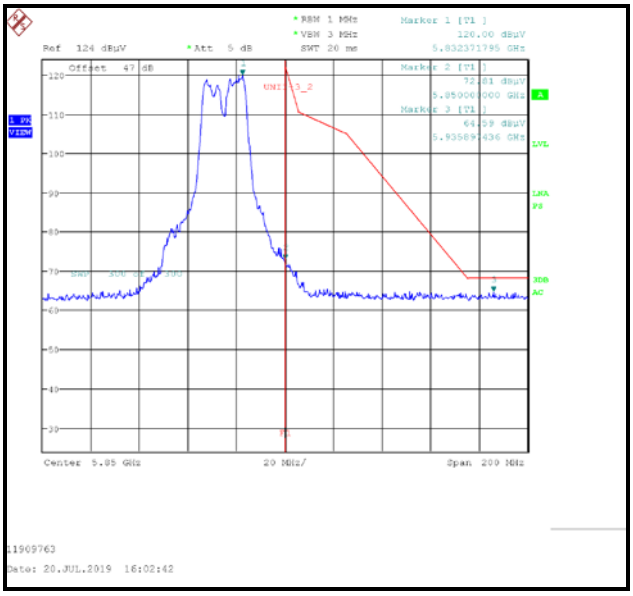
Frequency Range (MHz)	Frequency (MHz)	Peak Level (dBµV/m)	Limit Range (dBµV/m)	Margin (dB)	Result
F ≤ 5650	5638.78	65.45	68.2	2.75	Complied
5650 to 5700	--	--	68.2 to 105.2	--	Complied
5700 to 5720	--	--	105.2 to 110.8	--	Complied
5720 to 5725	5725.00	78.56	110.8 to 122.2	43.64	Complied

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	73.91	122.2 to 110.8	48.29	Complied
5855 to 5875	--	--	110.8 to 105.2	--	Complied
5875 to 5925	--	--	105.2 to 68.2	--	Complied
F ≥ 5925	5939.74	64.59	68.2	3.61	Complied



Lower Band Edge Measurement



Upper Band Edge Measurement

Result: Pass

Transmitter Band Edge Radiated Emissions (continued)

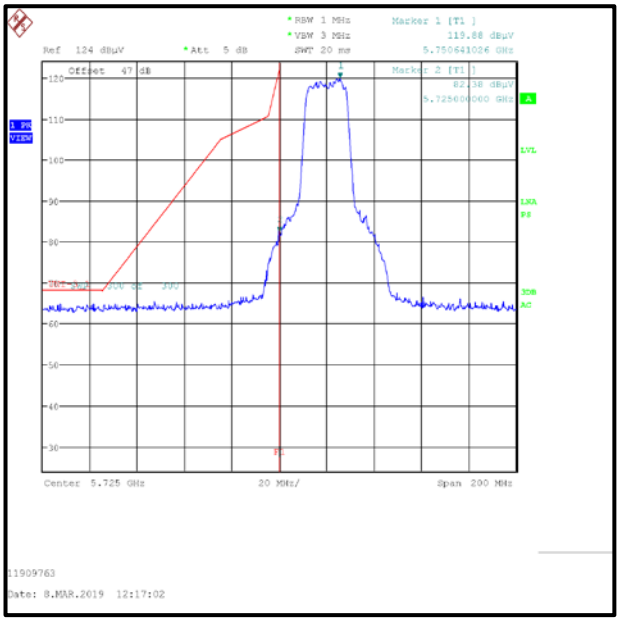
Results: 802.11ac / 20 MHz / MCS0 / MIMO / Port 1+2 / PWL 21 / 9 dBi Antenna Group

Results: CH149 / Lower Band Edge / Peak

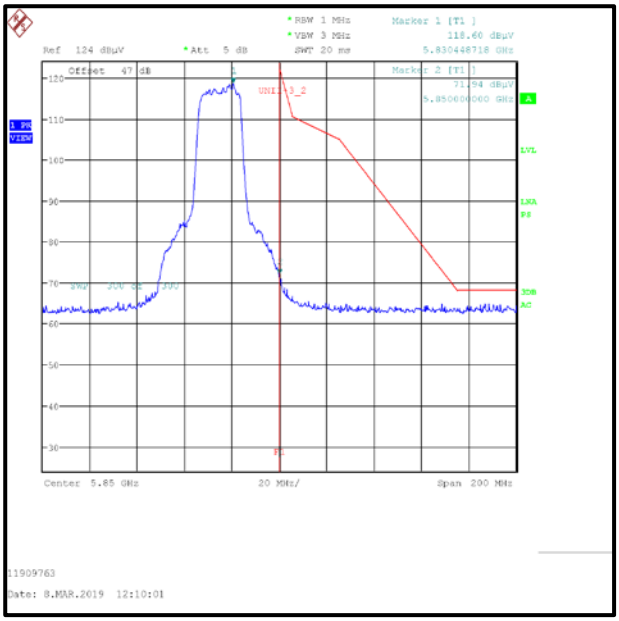
Frequency Range (MHz)	Frequency (MHz)	Peak Level (dBµV/m)	Limit Range (dBµV/m)	Margin (dB)	Result
F ≤ 5650	5630.00	62.80	68.2	5.40	Complied
5650 to 5700	--	--	68.2 to 105.2	--	Complied
5700 to 5720	--	--	105.2 to 110.8	--	Complied
5720 to 5725	5725.00	82.38	110.8 to 122.2	39.82	Complied

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	71.94	122.2 to 110.8	50.26	Complied
5855 to 5875	--	--	110.8 to 105.2	--	Complied
5875 to 5925	--	--	105.2 to 68.2	--	Complied
F ≥ 5925	5935.00	63.75	68.2	4.45	Complied



Lower Band Edge Measurement



Upper Band Edge Measurement

Result: Pass

Transmitter Band Edge Radiated Emissions (continued)

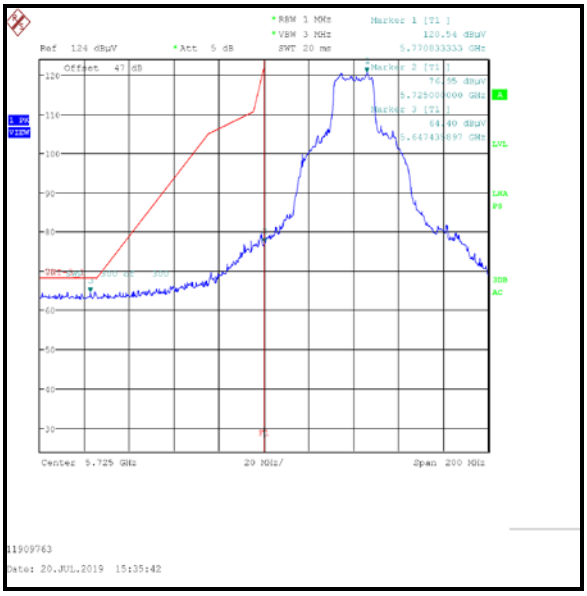
Results: 802.11ac / 20 MHz / MCS0 / MIMO / Port 1+2 / PWL 26 / 9 dBi Antenna Group

Results: CH153 / Lower Band Edge / Peak

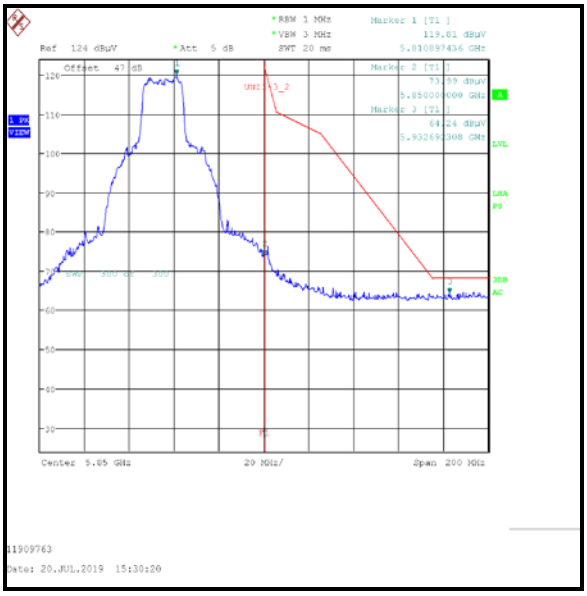
Frequency Range (MHz)	Frequency (MHz)	Peak Level (dBµV/m)	Limit Range (dBµV/m)	Margin (dB)	Result
F ≤ 5650	5647.43	64.40	68.2	3.80	Complied
5650 to 5700	--	--	68.2 to 105.2	--	Complied
5700 to 5720	--	--	105.2 to 110.8	--	Complied
5720 to 5725	5725.00	82.38	110.8 to 122.2	39.82	Complied

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	73.99	122.2 to 110.8	48.21	Complied
5855 to 5875	--	--	110.8 to 105.2	--	Complied
5875 to 5925	--	--	105.2 to 68.2	--	Complied
F ≥ 5925	5932.69	64.24	68.2	3.96	Complied



Lower Band Edge Measurement



Upper Band Edge Measurement

Result: Pass

Transmitter Band Edge Radiated Emissions (continued)

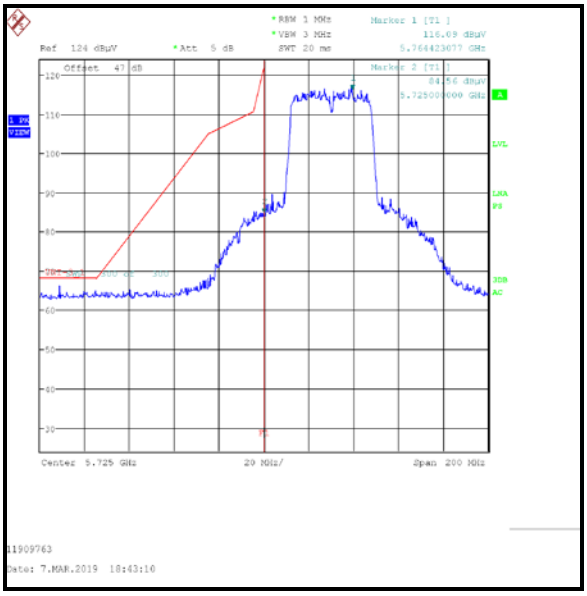
Results: 802.11n / 40 MHz / MCS0 / MIMO / Port 1+2 / PWL 21 / 9 dBi Antenna Group

Results: CH153 / Lower Band Edge / Peak

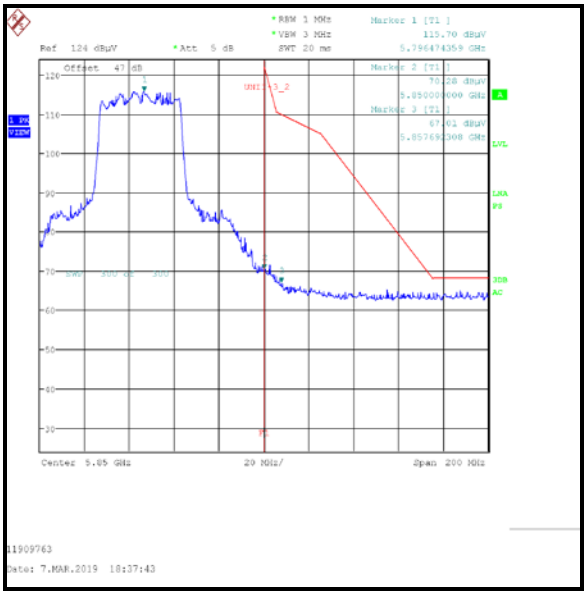
Frequency Range (MHz)	Frequency (MHz)	Peak Level (dBµV/m)	Limit Range (dBµV/m)	Margin (dB)	Result
F ≤ 5650	5635.00	66.75	68.2	1.45	Complied
5650 to 5700	--	--	68.2 to 105.2	--	Complied
5700 to 5720	--	--	105.2 to 110.8	--	Complied
5720 to 5725	5725.00	84.56	110.8 to 122.2	37.64	Complied

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	70.28	122.2 to 110.8	51.92	Complied
5855 to 5875	--	--	110.8 to 105.2	--	Complied
5875 to 5925	--	--	105.2 to 68.2	--	Complied
F ≥ 5925	5930.0	64.00	68.2	4.20	Complied



Lower Band Edge Measurement



Upper Band Edge Measurement

Result: Pass

Transmitter Band Edge Radiated Emissions (continued)

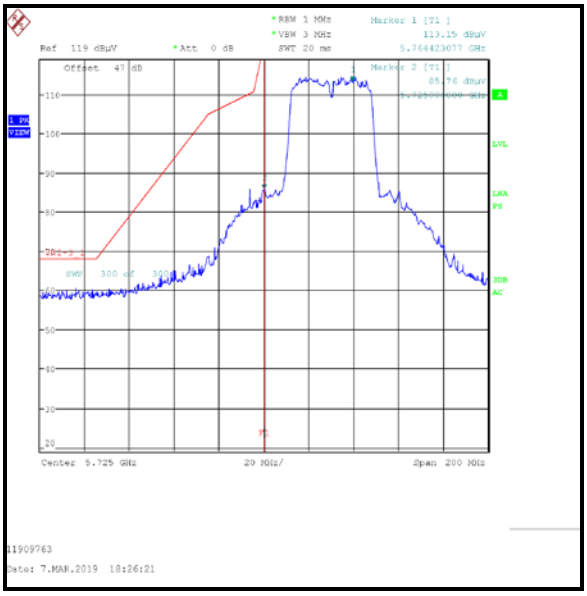
Results: 802.11ac / 40 MHz / MCS0 / MIMO / Port 1+2 / PWL 21 / 9 dBi Antenna Group

Results: CH153 / Lower Band Edge / Peak

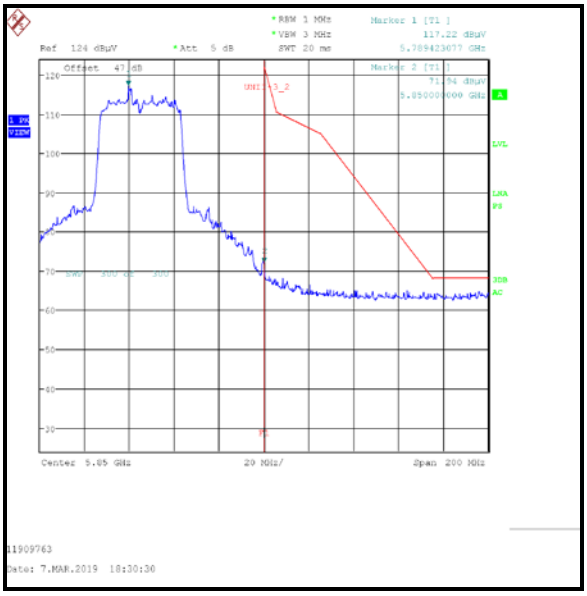
Frequency Range (MHz)	Frequency (MHz)	Peak Level (dBµV/m)	Limit Range (dBµV/m)	Margin (dB)	Result
F ≤ 5650	5638.00	60.25	68.2	7.95	Complied
5650 to 5700	--	--	68.2 to 105.2	--	Complied
5700 to 5720	--	--	105.2 to 110.8	--	Complied
5720 to 5725	5725.00	85.76	110.8 to 122.2	36.44	Complied

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	71.94	122.2 to 110.8	50.26	Complied
5855 to 5875	--	--	110.8 to 105.2	--	Complied
5875 to 5925	--	--	105.2 to 68.2	--	Complied
F ≥ 5925	5940.0	63.50	68.2	4.70	Complied



Lower Band Edge Measurement



Upper Band Edge Measurement

Result: Pass

Transmitter Band Edge Radiated Emissions (continued)

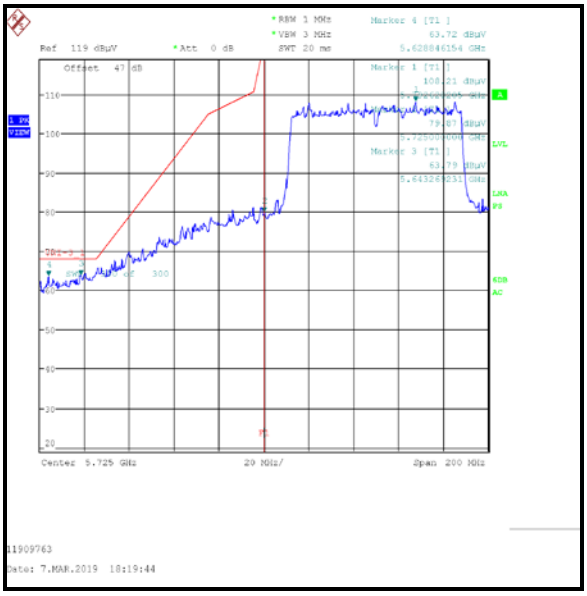
Results: 802.11ac / 80 MHz / MCS0 / MIMO / Port 1+2 / PWL 21 / 9 dBi Antenna Group

Results: CH155 / Lower Band Edge / Peak

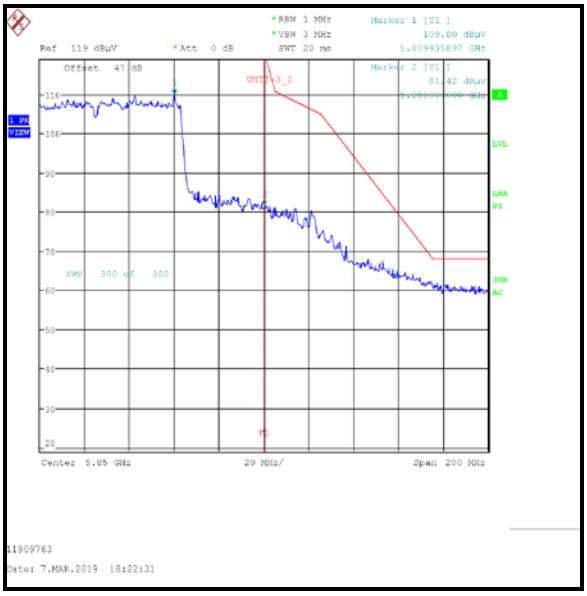
Frequency Range (MHz)	Frequency (MHz)	Peak Level (dBµV/m)	Limit Range (dBµV/m)	Margin (dB)	Result
F ≤ 5650	5643.26	63.79	68.2	4.41	Complied
5650 to 5700	--	--	68.2 to 105.2	--	Complied
5700 to 5720	--	--	105.2 to 110.8	--	Complied
5720 to 5725	5725.00	79.87	110.8 to 122.2	42.33	Complied

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	81.42	122.2 to 110.8	40.78	Complied
5855 to 5875	--	--	110.8 to 105.2	--	Complied
5875 to 5925	--	--	105.2 to 68.2	--	Complied
F ≥ 5925	5930.0	60.25	68.2	7.95	Complied



Lower Band Edge Measurement



Upper Band Edge Measurement

Result: Pass

Transmitter Band Edge Radiated Emissions (continued)

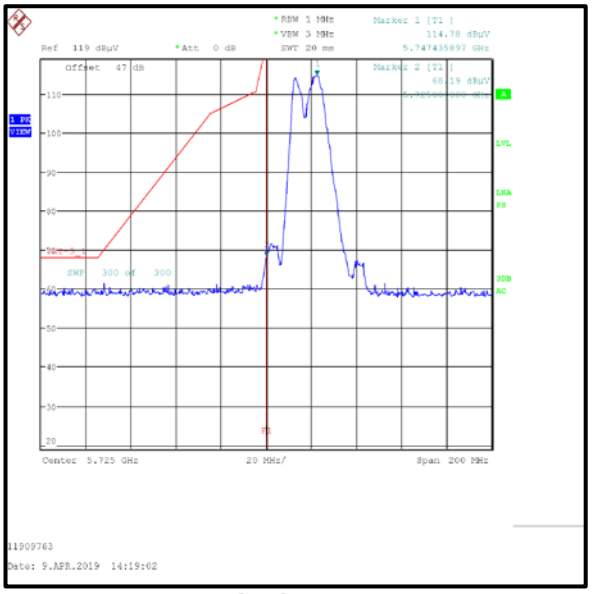
Results: 802.11a / 20 MHz / 6 Mbps / MIMO / Port 1+2+3 / PWL 17 / 9 dBi Antenna Group

Results: CH149 / Lower Band Edge / Peak

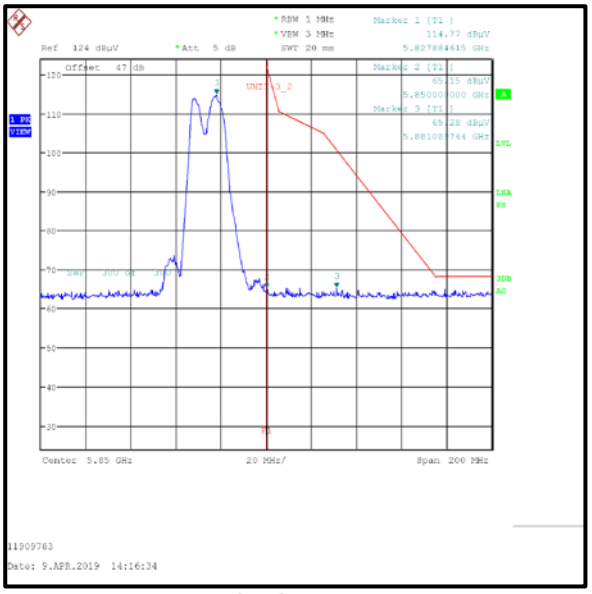
Frequency Range (MHz)	Frequency (MHz)	Peak Level (dBµV/m)	Limit Range (dBµV/m)	Margin (dB)	Result
F ≤ 5650	5645.00	60.00	68.2	8.20	Complied
5650 to 5700	--	--	68.2 to 105.2	--	Complied
5700 to 5720	--	--	105.2 to 110.8	--	Complied
5720 to 5725	5725.00	68.19	110.8 to 122.2	54.01	Complied

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	65.15	122.2 to 110.8	57.05	Complied
5855 to 5875	--	--	110.8 to 105.2	--	Complied
5875 to 5925	--	--	105.2 to 68.2	--	Complied
F ≥ 5925	5929.0	63.25	68.2	4.95	Complied



Lower Band Edge Measurement



Upper Band Edge Measurement

Result: Pass

Transmitter Band Edge Radiated Emissions (continued)

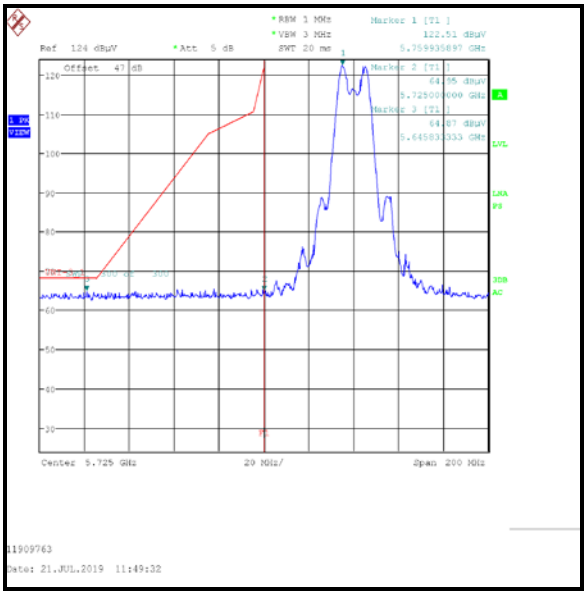
Results: 802.11a / 20 MHz / 6 Mbps / MIMO / Port 1+2+3 / PWL 22 / 9 dBi Antenna Group

Results: CH153 / Lower Band Edge / Peak

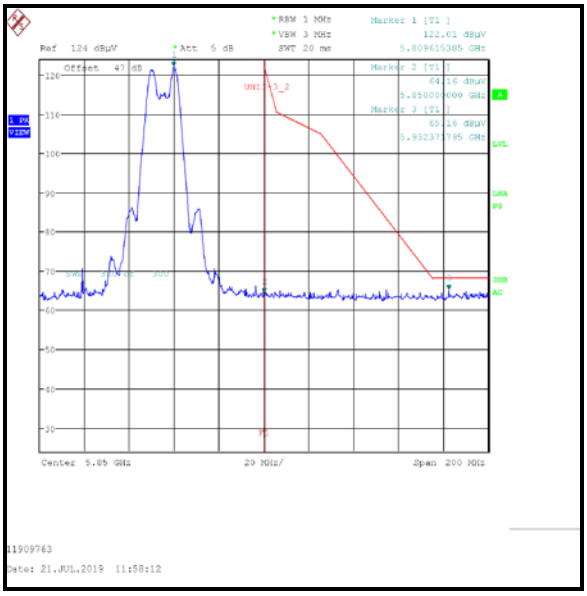
Frequency Range (MHz)	Frequency (MHz)	Peak Level (dBµV/m)	Limit Range (dBµV/m)	Margin (dB)	Result
F ≤ 5650	5645.83	64.87	68.2	3.33	Complied
5650 to 5700	--	--	68.2 to 105.2	--	Complied
5700 to 5720	--	--	105.2 to 110.8	--	Complied
5720 to 5725	5725.00	64.95	110.8 to 122.2	57.25	Complied

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	64.16	122.2 to 110.8	58.04	Complied
5855 to 5875	--	--	110.8 to 105.2	--	Complied
5875 to 5925	--	--	105.2 to 68.2	--	Complied
F ≥ 5925	5932.37	65.16	68.2	3.04	Complied



Lower Band Edge Measurement



Upper Band Edge Measurement

Result: Pass

Transmitter Band Edge Radiated Emissions (continued)

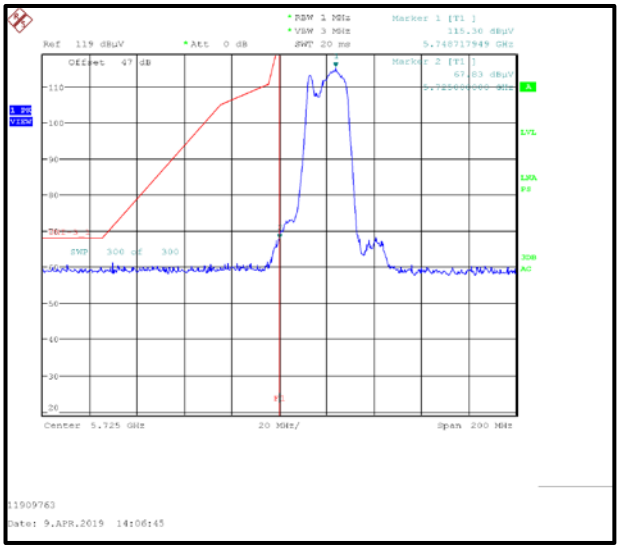
Results: 802.11n / 20 MHz / MCS0 / MIMO / Port 1+2+3 / PWL 17 / 9 dBi Antenna Group

Results: CH149 / Lower Band Edge / Peak

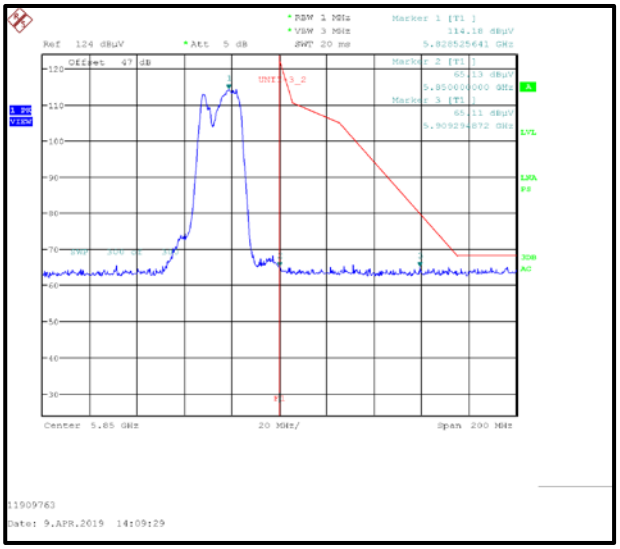
Frequency Range (MHz)	Frequency (MHz)	Peak Level (dBµV/m)	Limit Range (dBµV/m)	Margin (dB)	Result
F ≤ 5650	5635.00	60.40	68.2	7.80	Complied
5650 to 5700	--	--	68.2 to 105.2	--	Complied
5700 to 5720	--	--	105.2 to 110.8	--	Complied
5720 to 5725	5725.00	67.83	110.8 to 122.2	54.37	Complied

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	65.13	122.2 to 110.8	57.07	Complied
5855 to 5875	--	--	110.8 to 105.2	--	Complied
5875 to 5925	--	--	105.2 to 68.2	--	Complied
F ≥ 5925	5945.0	64.90	68.2	3.30	Complied



Lower Band Edge Measurement



Upper Band Edge Measurement

Result: Pass

Transmitter Band Edge Radiated Emissions (continued)

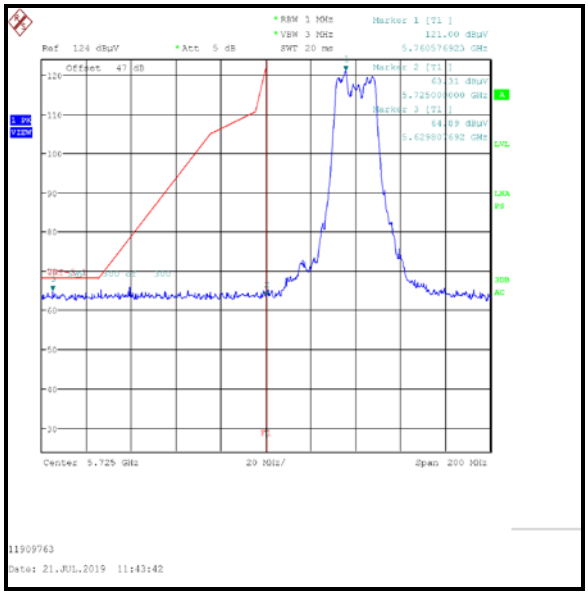
Results: 802.11n / 20 MHz / MCS0 / MIMO / Port 1+2+3 / PWL 22 / 9 dBi Antenna Group

Results: CH153 / Lower Band Edge / Peak

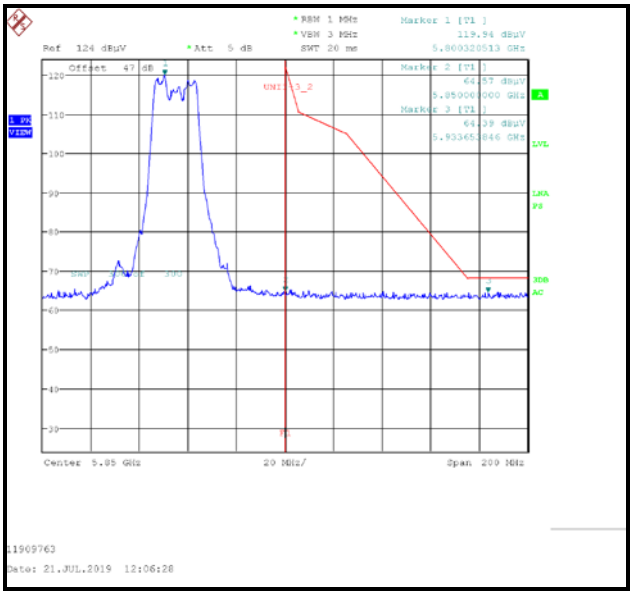
Frequency Range (MHz)	Frequency (MHz)	Peak Level (dBµV/m)	Limit Range (dBµV/m)	Margin (dB)	Result
F ≤ 5650	5629.80	64.89	68.2	3.31	Complied
5650 to 5700	--	--	68.2 to 105.2	--	Complied
5700 to 5720	--	--	105.2 to 110.8	--	Complied
5720 to 5725	5725.00	63.31	110.8 to 122.2	58.89	Complied

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	64.57	122.2 to 110.8	57.63	Complied
5855 to 5875	--	--	110.8 to 105.2	--	Complied
5875 to 5925	--	--	105.2 to 68.2	--	Complied
F ≥ 5925	5933.65	64.39	68.2	3.81	Complied



Lower Band Edge Measurement



Upper Band Edge Measurement

Result: Pass

Transmitter Band Edge Radiated Emissions (continued)

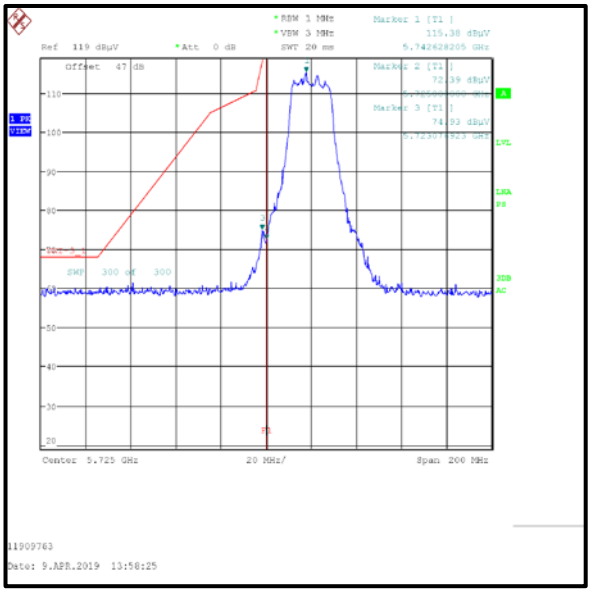
Results: 802.11ac / 20 MHz / MCS0 / MIMO / Port 1+2+3 / PWL 17 / 9 dBi Antenna Group

Results: CH149 / Lower Band Edge / Peak

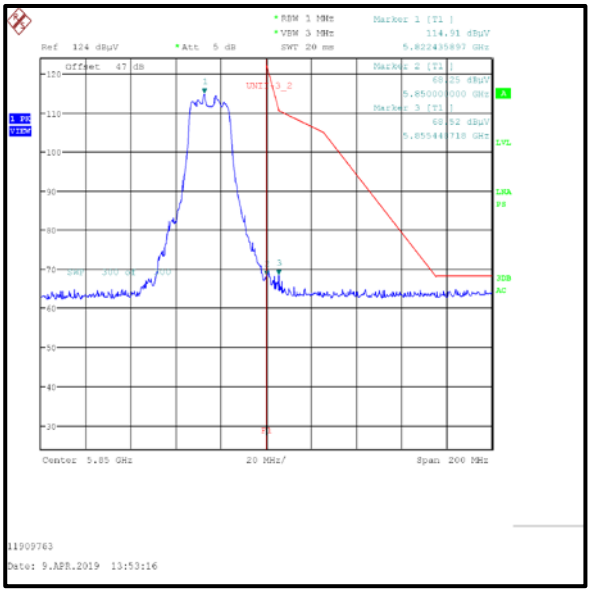
Frequency Range (MHz)	Frequency (MHz)	Peak Level (dBµV/m)	Limit Range (dBµV/m)	Margin (dB)	Result
F ≤ 5650	5630.00	60.25	68.2	7.95	Complied
5650 to 5700	--	--	68.2 to 105.2	--	Complied
5700 to 5720	--	--	105.2 to 110.8	--	Complied
5720 to 5725	5725.00	72.39	110.8 to 122.2	49.81	Complied

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	68.25	122.2 to 110.8	53.95	Complied
5855 to 5875	--	--	110.8 to 105.2	--	Complied
5875 to 5925	--	--	105.2 to 68.2	--	Complied
F ≥ 5925	5932.0	64.75	68.2	3.45	Complied



Lower Band Edge Measurement



Upper Band Edge Measurement

Result: Pass

Transmitter Band Edge Radiated Emissions (continued)

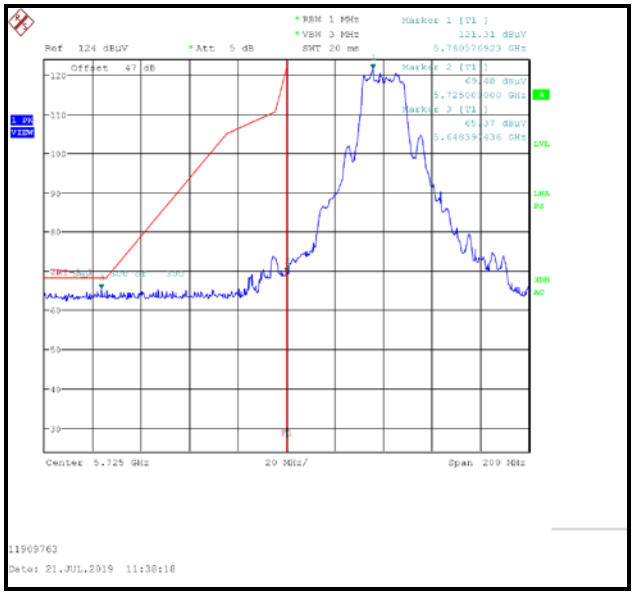
Results: 802.11ac / 20 MHz / MCS0 / MIMO / Port 1+2+3 / PWL 22 / 9 dBi Antenna Group

Results: CH153 / Lower Band Edge / Peak

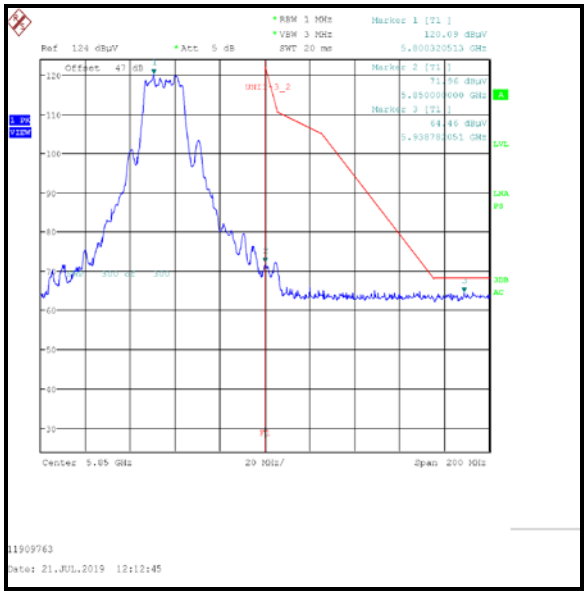
Frequency Range (MHz)	Frequency (MHz)	Peak Level (dBµV/m)	Limit Range (dBµV/m)	Margin (dB)	Result
F ≤ 5650	5648.39	65.37	68.2	2.83	Complied
5650 to 5700	--	--	68.2 to 105.2	--	Complied
5700 to 5720	--	--	105.2 to 110.8	--	Complied
5720 to 5725	5725.00	69.48	110.8 to 122.2	52.72	Complied

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	71.96	122.2 to 110.8	50.24	Complied
5855 to 5875	--	--	110.8 to 105.2	--	Complied
5875 to 5925	--	--	105.2 to 68.2	--	Complied
F ≥ 5925	5938.78	64.46	68.2	3.74	Complied



Lower Band Edge Measurement



Upper Band Edge Measurement

Result: Pass

Transmitter Band Edge Radiated Emissions (continued)

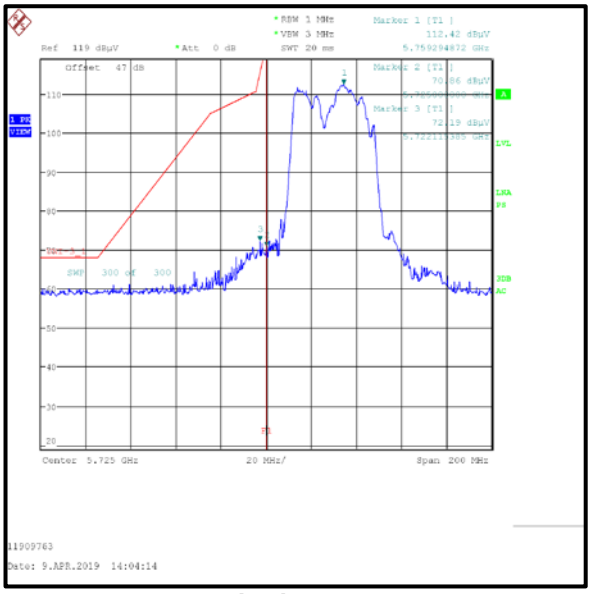
Results: 802.11n / 40 MHz / MCS0 / MIMO / Port 1+2+3 / PWL 17 / 9 dBi Antenna Group

Results: CH151 / Lower Band Edge / Peak

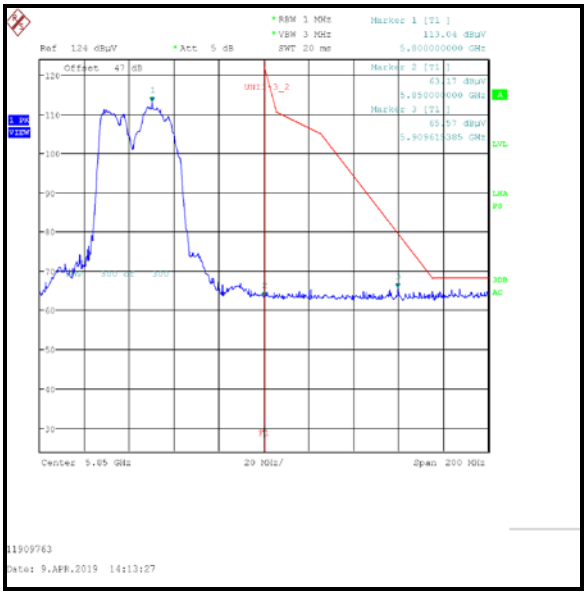
Frequency Range (MHz)	Frequency (MHz)	Peak Level (dBµV/m)	Limit Range (dBµV/m)	Margin (dB)	Result
F ≤ 5650	5630.00	60.00	68.2	8.20	Complied
5650 to 5700	--	--	68.2 to 105.2	--	Complied
5700 to 5720	--	--	105.2 to 110.8	--	Complied
5720 to 5725	5725.00	70.86	110.8 to 122.2	51.34	Complied

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	63.17	122.2 to 110.8	59.03	Complied
5855 to 5875	--	--	110.8 to 105.2	--	Complied
5875 to 5925	--	--	105.2 to 68.2	--	Complied
F ≥ 5925	5935.00	64.50	68.2	3.70	Complied



Lower Band Edge Measurement



Upper Band Edge Measurement

Result: Pass