

Transmitter Out of Band Radiated Emissions (5.725-5.85 GHz band operation) (continued)**Results: Top Channel / EIRP**

Frequency (MHz)	Antenna Polarity	Level (dBm)	Limit (dBm)	Margin (dB)	Result
5617.268	Vertical	-34.9	-27.0	7.9	Complied
15923.462	Vertical	-38.0	-27.0	11.0	Complied
23819.000	Vertical	-43.7	-27.0	16.7	Complied

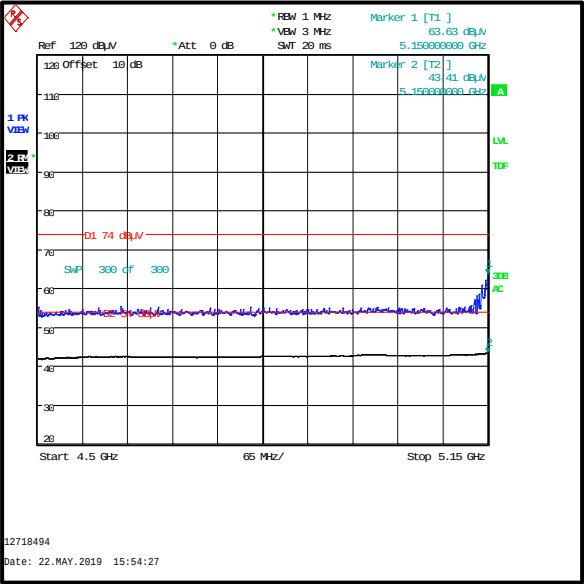
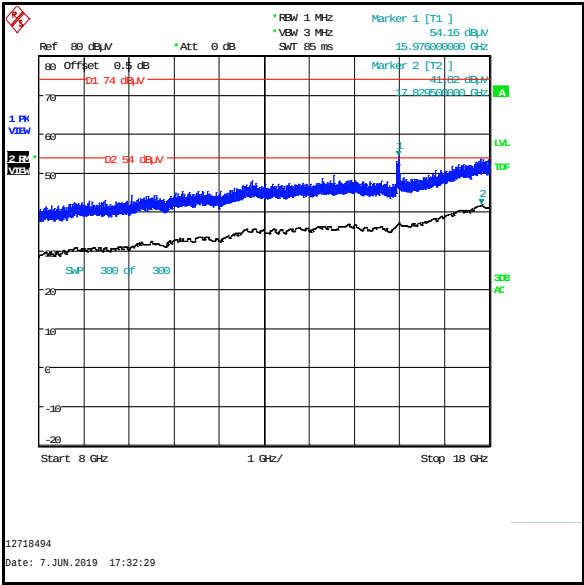
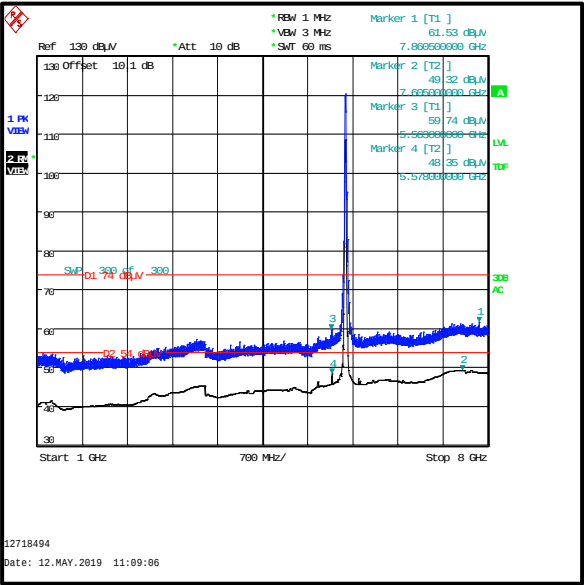
Results: Top Channel / Field Strength / Peak

Frequency (MHz)	Antenna Polarity	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
15923.462	Vertical	57.2	74.0	16.8	Complied
23819.000	Vertical	51.5*	54.0	2.5	Complied

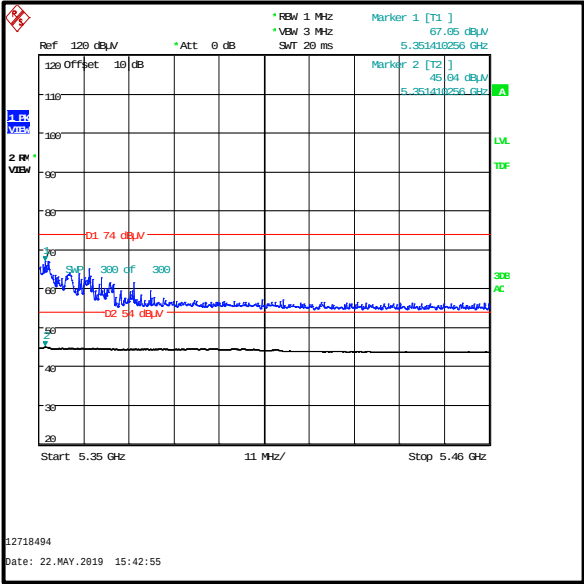
Results: Top Channel / Field Strength / Average

Frequency (MHz)	Antenna Polarity	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
15997.5000	Vertical	38.6	54.0	15.4	Complied

Transmitter Out of Band Radiated Emissions (5.725-5.85 GHz band operation) (continued)

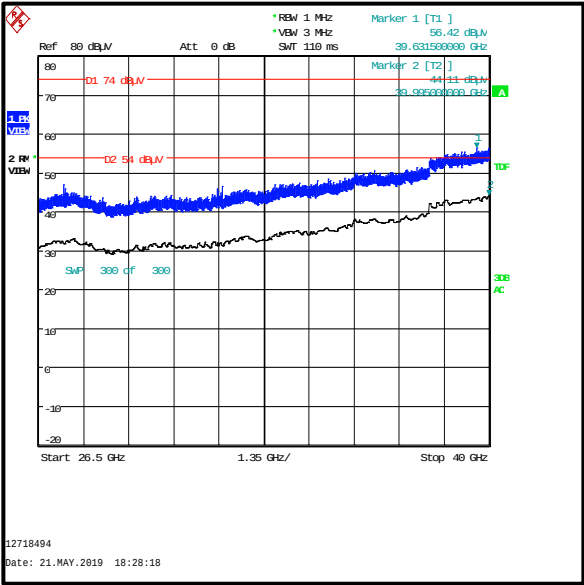
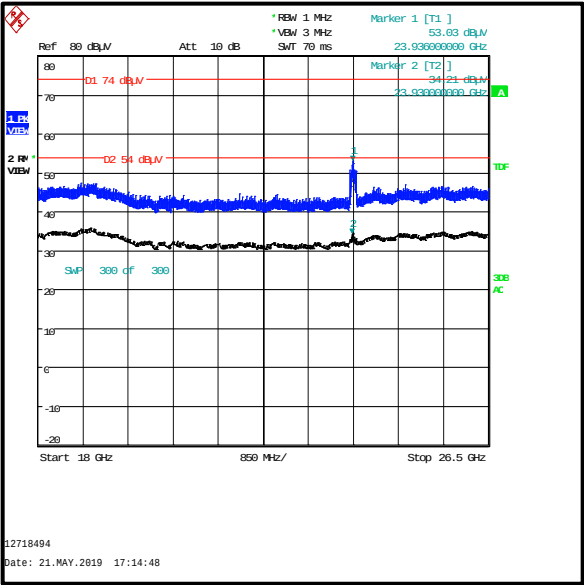


Restricted Band 4.5 GHz to 5.15 GHz



Restricted Band 5.35 GHz to 5.46 GHz

Transmitter Out of Band Radiated Emissions (5.725-5.85 GHz band operation) (continued)



5.3. Transmitter Band Edge Radiated Emissions**5.3.1. 5.15-5.25 GHz band****Test Summary:**

Test Engineers:	Andrew Edwards, Mohamed Toubella, James O'Reilly, Mark Perry, John Ferdinand, Tom Sleigh, Nick Steele, Marco Zunarelli & Andrew Harding	Test Dates:	19 April 2019 to 14 June 2019
Test Sample Serial Numbers:	C02YF00CMFLF & C02YD006MFLQ		

FCC Reference:	Parts 15.407(b)(1),(7), 15.205 & 15.209(a)
Test Method Used:	ANSI C63.10 Section 6.10 & KDB 789033 II.G.

Environmental Conditions:

Temperature (°C):	22 to 26
Relative Humidity (%):	31 to 45

Transmitter Band Edge Radiated Emissions (5.15-5.25 GHz band operation) (continued)**Note(s):**

1. The following modes were tested:
 - o 802.11a - BPSK / 6 Mbps / Core 0
 - o 802.11n HT20 / SISO - BPSK / MCS0 / Core 0
 - o 802.11n HT40 / SISO - BPSK / MCS0 / Core 0
 - o 802.11ac VHT80 / SISO – BPSK / MCS0x1 / Core 0
 - o 802.11n HT20 / MIMO / 2Tx CDD - BPSK / MCS0
 - o 802.11n HT40 / MIMO / 2Tx CDD - BPSK / MCS0
 - o 802.11ac VHT80 / MIMO / 2Tx CDD - BPSK / MCS0x1
 - o 802.11n HT20 / MIMO / 2Tx SDM - BPSK / MCS8
 - o 802.11n HT40 / MIMO / 2Tx SDM - BPSK / MCS8
 - o 802.11ac VHT80 / MIMO / 2Tx SDM - BPSK / MCS0x2
 - o 802.11n HT20 / MIMO / 2Tx TXBF - BPSK / MCS0
 - o 802.11n HT40 / MIMO / 2Tx TXBF - BPSK / MCS0
 - o 802.11ac VHT80 / MIMO / 2Tx TXBF - BPSK / MCS0x1
 - o 802.11n HT20 / MIMO / 3Tx CDD - BPSK / MCS0
 - o 802.11n HT40 / MIMO / 3Tx CDD - BPSK / MCS0
 - o 802.11ac VHT80 / MIMO / 3Tx CDD - BPSK / MCS0x1
 - o 802.11n HT20 / MIMO / 3Tx SDM - BPSK / MCS16
 - o 802.11n HT40 / MIMO / 3Tx SDM - BPSK / MCS16
 - o 802.11ac VHT80 / MIMO / 3Tx SDM - BPSK / MCS0x3
 - o 802.11n HT20 / MIMO / 3Tx TXBF - BPSK / MCS0
 - o 802.11n HT40 / MIMO / 3Tx TXBF - BPSK / MCS0
 - o 802.11ac VHT80 / MIMO / 3Tx TXBF - BPSK / MCS0x1
2. Lower band edge measurements were performed with the EUT transmitting on the bottom channel. Upper band edge measurements were performed with the EUT transmitting on the top channel.
3. For transmitters operating in the 5.15-5.25 GHz band: all emissions outside of the 5.15-5.35 GHz band shall not exceed an EIRP of -27 dBm/MHz. However, there are restricted bands of operation below the lower band edge at 4.5-5.15 GHz and also above the upper band edge at 5.35-5.46 GHz therefore the provisions of FCC Part 15.205 apply. Tests were performed in these restricted bands of operation, the results are included in the transmitter 5.725-5.85 GHz band radiated spurious emission section of this test report.
4. Field strength measurements using peak and average detectors were performed in the restricted bands below 5.15 GHz and above 5.35 GHz. Field strength and EIRP results were found to be compliant with the restricted band limits and Part 15.407 out-of-band limits.
5. For all average measurements in this section, 300 sweeps were used. This satisfies the requirement for the minimum number of sweep points, as stated in KDB 789033 Section II.G.6.c) Method AD (vi).
6. In accordance with KDB 789033 Section II.G.6.c) Method AD (vii), for average measurements, data rates where the EUT was transmitting <98% duty cycle, the duty cycle correction factor calculated in section 4.1 was added to the measured result.

Transmitter Band Edge Radiated Emissions (5.15-5.25 GHz band operation) (continued)**Results: 802.11a / 20 MHz / SISO / BPSK / 6 Mbps / Core 0****Results: Lower Band Edge / Peak**

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5146.795	68.3	74.0	5.7	Complied
5150	68.2	74.0	5.8	Complied

Results: Upper Band Edge / Peak

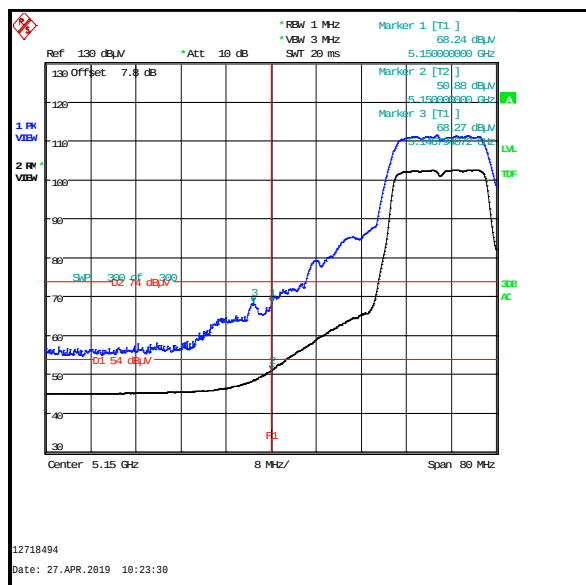
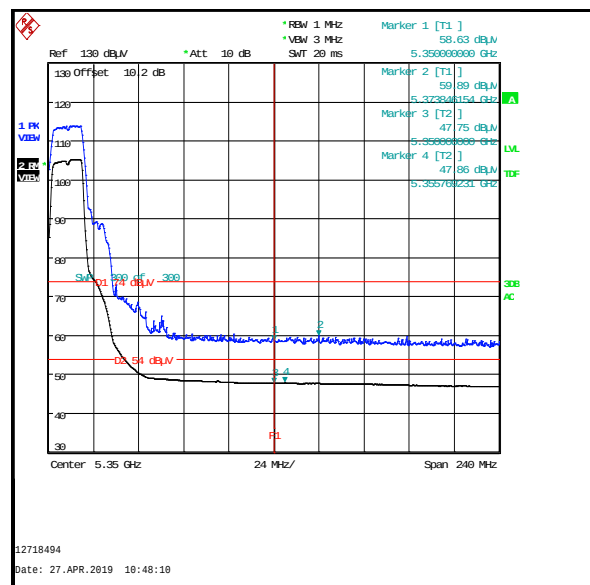
Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5350	58.6	74.0	15.4	Complied
5373.846	59.9	74.0	14.1	Complied

Results: Lower Band Edge / Average

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5150	50.9	54.0	3.1	Complied

Results: Upper Band Edge / Average

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5350	47.8	54.0	6.2	Complied
5355.769	47.9	54.0	6.1	Complied

**Lower Band Edge****Upper Band Edge**

Transmitter Band Edge Radiated Emissions (5.15-5.25 GHz band operation) (continued)

Results: 802.11n / 20 MHz / SISO / BPSK / MCS0 / Core 0

Results: Lower Band Edge / Peak

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5149.744	69.0	74.0	5.0	Complied
5150	67.0	74.0	7.0	Complied

Results: Upper Band Edge / Peak

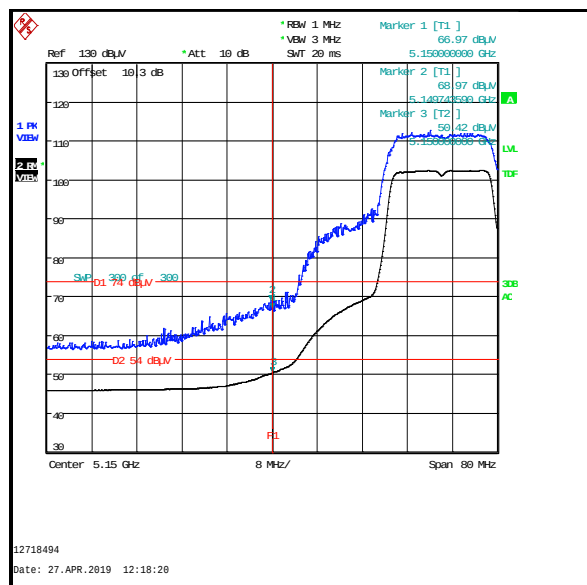
Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5350	58.4	74.0	15.6	Complied
5376.154	59.6	74.0	14.4	Complied

Results: Lower Band Edge / Average

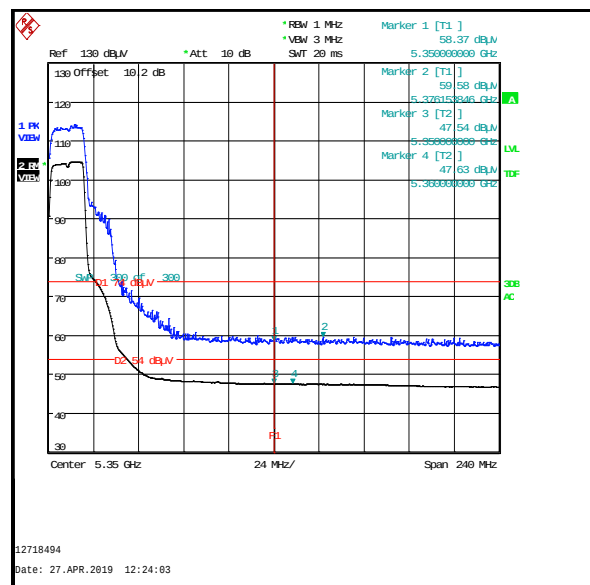
Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5150	50.4	54.0	3.6	Complied

Results: Upper Band Edge / Average

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5350	47.5	54.0	6.5	Complied
5360.000	47.6	54.0	6.4	Complied



Lower Band Edge



Upper Band Edge

Transmitter Band Edge Radiated Emissions (5.15-5.25 GHz band operation) (continued)**Results: 802.11n / 40 MHz / SISO / BPSK / MCS0 / Core 0****Results: Lower Band Edge / Peak**

Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5150	68.3	74.0	5.7	Complied

Results: Upper Band Edge / Peak

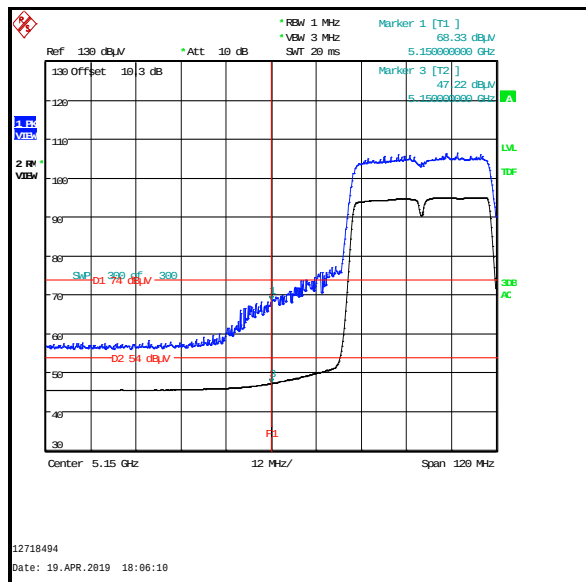
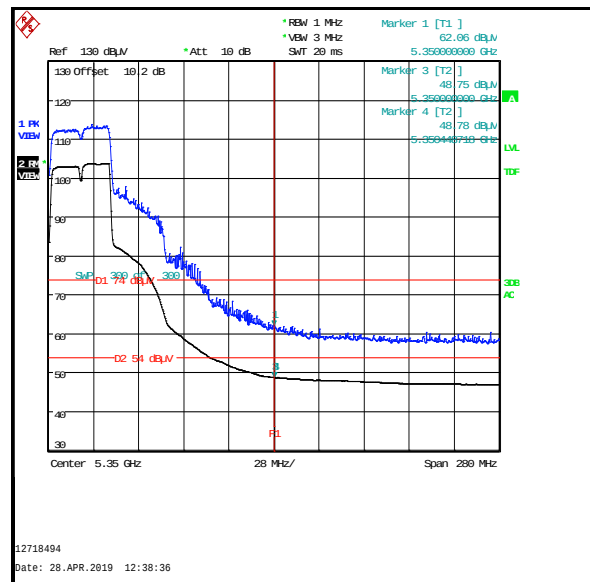
Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5350	62.1	74.0	11.9	Complied

Results: Lower Band Edge / Average

Frequency (MHz)	Level (dB μ V/m)	Duty Cycle correction factor (dB)	Corrected Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5150	47.2	0.1	47.3	54.0	6.7	Complied

Results: Upper Band Edge / Average

Frequency (MHz)	Level (dB μ V/m)	Duty Cycle correction factor (dB)	Corrected Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5350	48.8	0.1	48.9	54.0	5.1	Complied

**Lower Band Edge****Upper Band Edge**

Transmitter Band Edge Radiated Emissions (5.15-5.25 GHz band operation) (continued)**Results: 802.11ac / 80 MHz / SISO / BPSK / MCS0 / Core 0****Results: Lower Band Edge / Peak**

Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5146.154	68.3	74.0	5.7	Complied
5150	66.3	74.0	7.7	Complied

Results: Upper Band Edge / Peak

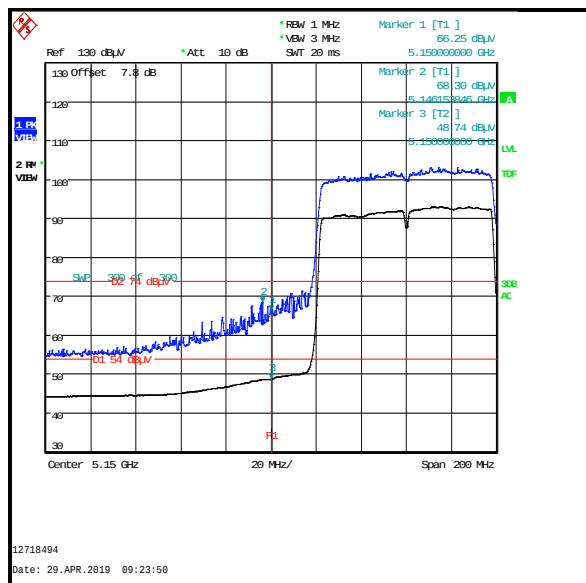
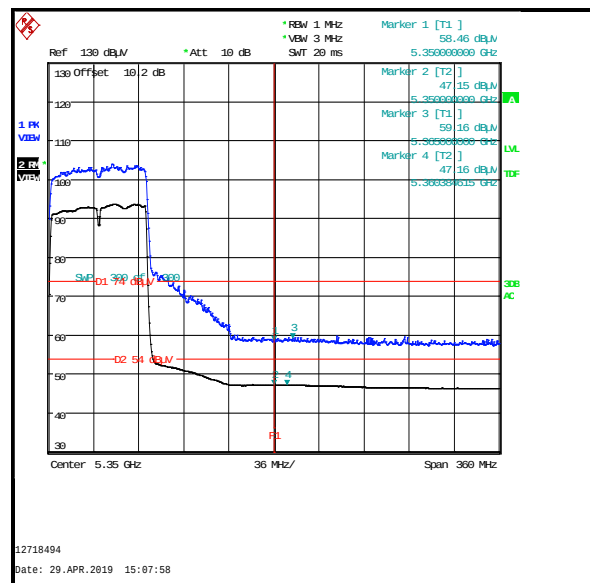
Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5350	58.5	74.0	15.5	Complied
5365.000	59.2	74.0	14.8	Complied

Results: Lower Band Edge / Average

Frequency (MHz)	Level (dB μ V/m)	Duty Cycle correction factor (dB)	Corrected Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5150	48.7	0.2	48.9	54.0	5.1	Complied

Results: Upper Band Edge / Average

Frequency (MHz)	Level (dB μ V/m)	Duty Cycle correction factor (dB)	Corrected Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5350	47.2	0.2	47.4	54.0	6.6	Complied

**Lower Band Edge****Upper Band Edge**

Transmitter Band Edge Radiated Emissions (5.15-5.25 GHz band operation) (continued)**Results: 802.11n / 20 MHz / MIMO / 2Tx CDD / BPSK / MCS0****Results: Lower Band Edge / Peak**

Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5149.872	66.7	74.0	7.3	Complied
5150	66.1	74.0	7.9	Complied

Results: Upper Band Edge / Peak

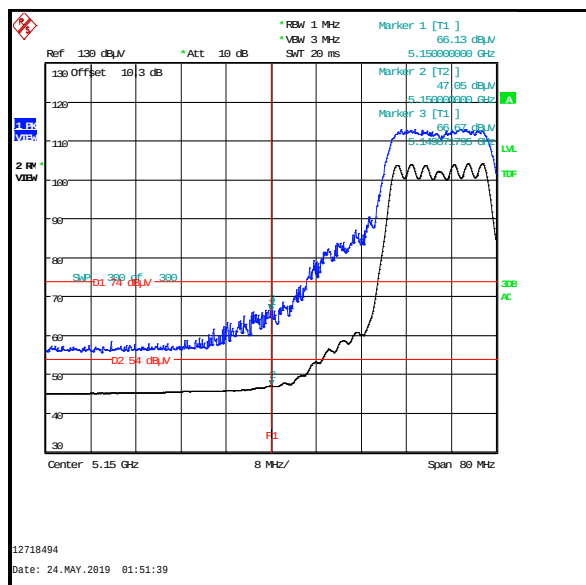
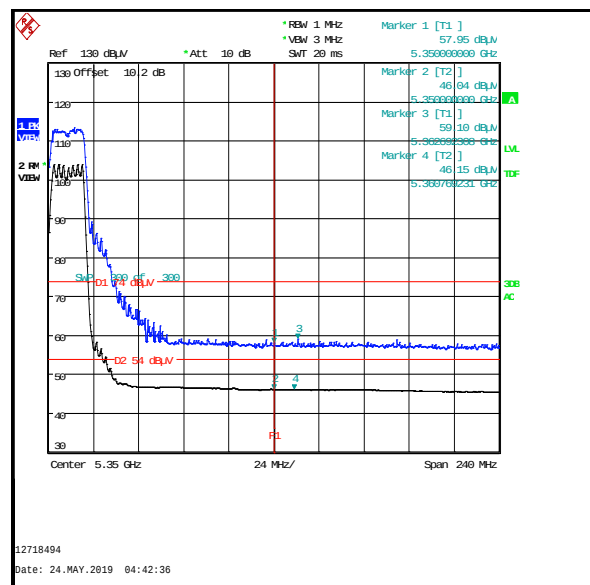
Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5350	58.0	74.0	16.0	Complied
5362.693	59.1	74.0	14.9	Complied

Results: Lower Band Edge / Average

Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5150	47.1	54.0	6.9	Complied

Results: Upper Band Edge / Average

Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5350	46.0	54.0	8.0	Complied
5360.769	46.2	54.0	7.8	Complied

**Lower Band Edge****Upper Band Edge**

Transmitter Band Edge Radiated Emissions (5.15-5.25 GHz band operation) (continued)**Results: 802.11n / 40 MHz / MIMO / 2Tx CDD / BPSK / MCS0****Results: Lower Band Edge / Peak**

Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5149.038	68.2	74.0	5.8	Complied
5150	66.7	74.0	7.3	Complied

Results: Upper Band Edge / Peak

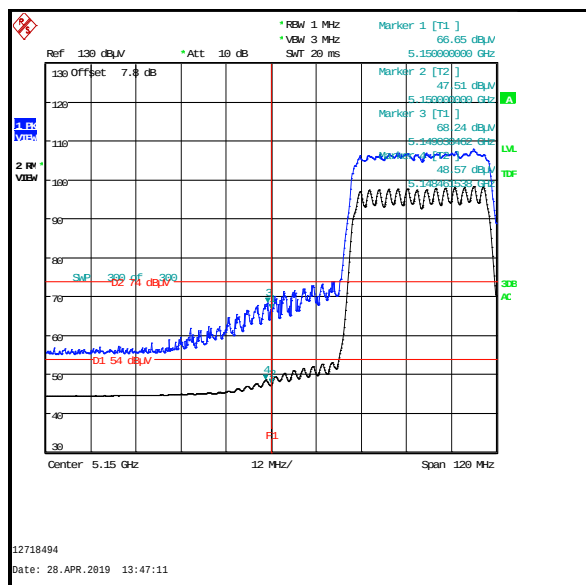
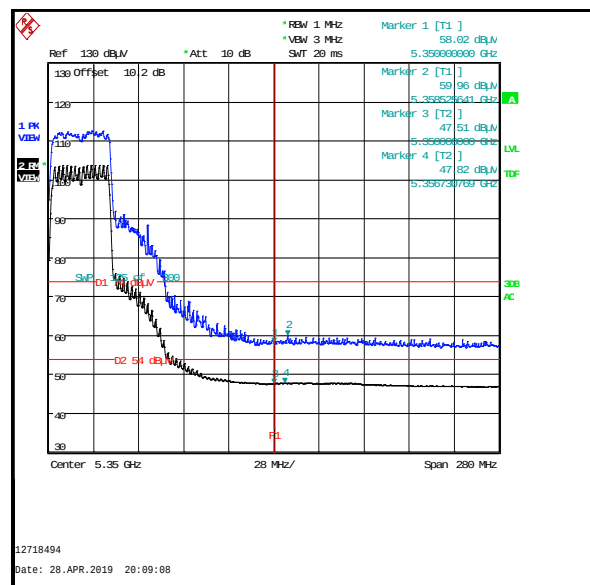
Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5350	58.0	74.0	16.0	Complied
5358.256	60.0	74.0	14.0	Complied

Results: Lower Band Edge / Average

Frequency (MHz)	Level (dB μ V/m)	Duty Cycle correction factor (dB)	Corrected Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5148.462	48.6	0.1	48.7	54.0	5.3	Complied
5150	47.5	0.1	47.6	54.0	6.4	Complied

Results: Upper Band Edge / Average

Frequency (MHz)	Level (dB μ V/m)	Duty Cycle correction factor (dB)	Corrected Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5350	47.5	0.1	47.6	54.0	6.4	Complied
5356.731	47.8	0.1	47.9	54.0	6.1	Complied

**Lower Band Edge****Upper Band Edge**

Transmitter Band Edge Radiated Emissions (5.15-5.25 GHz band operation) (continued)**Results: 802.11ac / 80 MHz / MIMO / 2Tx CDD / BPSK / MCS0x1****Results: Lower Band Edge / Peak**

Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5145.192	68.4	74.0	5.6	Complied
5150	68.0	74.0	6.0	Complied

Results: Upper Band Edge / Peak

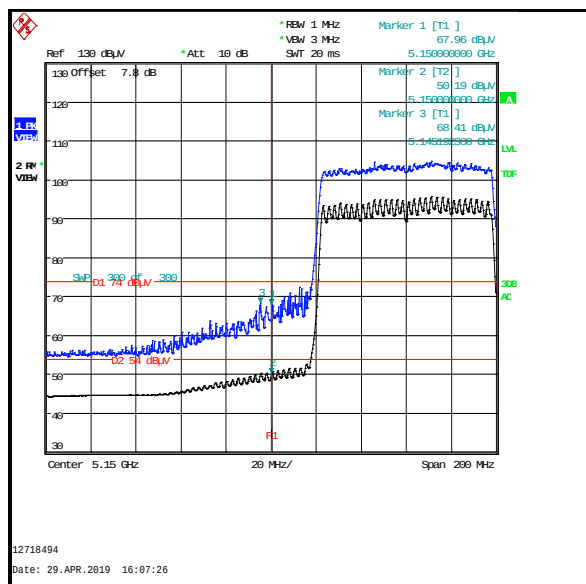
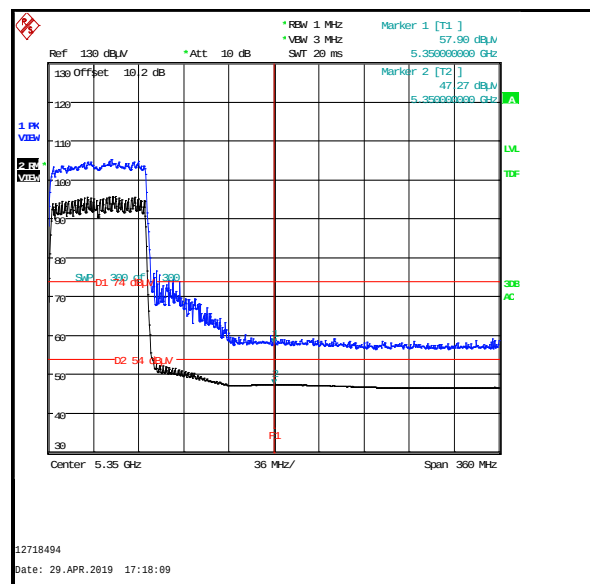
Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5350	57.9	74.0	16.1	Complied

Results: Lower Band Edge / Average

Frequency (MHz)	Level (dB μ V/m)	Duty Cycle correction factor (dB)	Corrected Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5150	50.2	0.2	50.4	54.0	3.6	Complied

Results: Upper Band Edge / Average

Frequency (MHz)	Level (dB μ V/m)	Duty Cycle correction factor (dB)	Corrected Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5350	47.3	0.2	47.5	54.0	6.5	Complied

**Lower Band Edge****Upper Band Edge**

Transmitter Band Edge Radiated Emissions (5.15-5.25 GHz band operation) (continued)**Results: 802.11n / 20 MHz / MIMO / 2Tx SDM / BPSK / MCS8****Results: Lower Band Edge / Peak**

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5145.769	68.2	74.0	5.8	Complied
5150	67.5	74.0	6.5	Complied

Results: Upper Band Edge / Peak

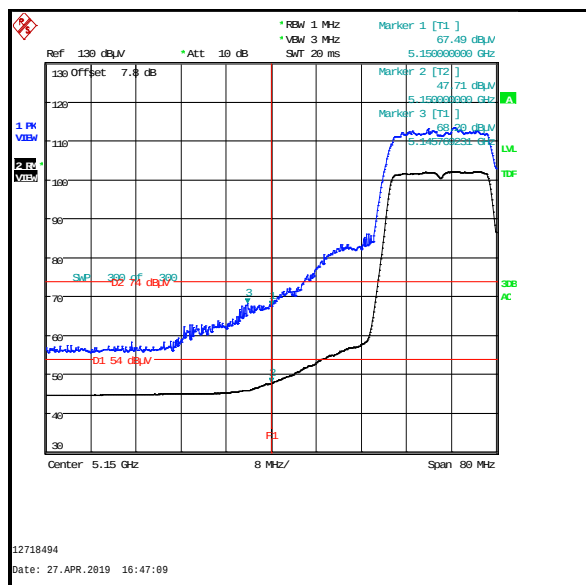
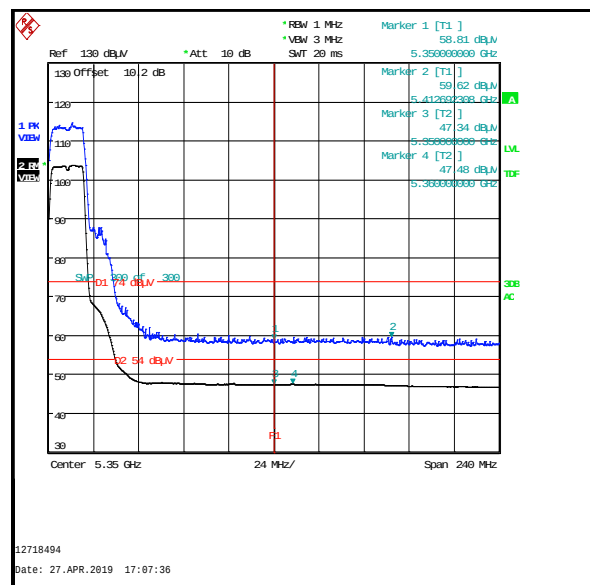
Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5350	58.8	74.0	15.2	Complied
5412.692	59.6	74.0	14.4	Complied

Results: Lower Band Edge / Average

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5150	47.7	54.0	6.3	Complied

Results: Upper Band Edge / Average

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5350	47.3	54.0	6.7	Complied
5360.000	47.5	54.0	6.5	Complied

**Lower Band Edge****Upper Band Edge**

Transmitter Band Edge Radiated Emissions (5.15-5.25 GHz band operation) (continued)**Results: 802.11n / 40 MHz / MIMO / 2Tx SDM / BPSK / MCS8****Results: Lower Band Edge / Peak**

Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5149.231	67.6	74.0	6.4	Complied
5150	66.3	74.0	7.7	Complied

Results: Upper Band Edge / Peak

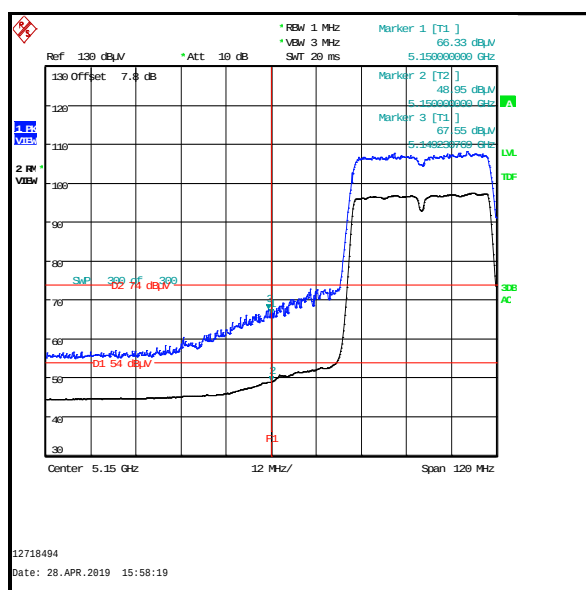
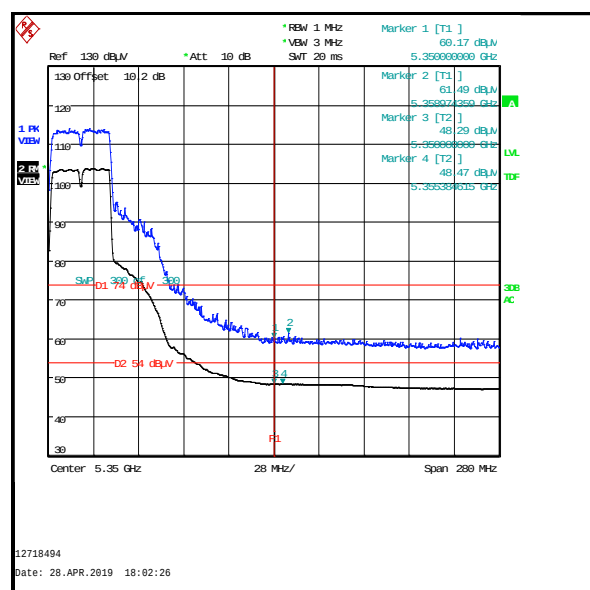
Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5350	60.2	74.0	13.8	Complied
5358.974	61.5	74.0	12.5	Complied

Results: Lower Band Edge / Average

Frequency (MHz)	Level (dB μ V/m)	Duty Cycle correction factor (dB)	Corrected Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5150	49.0	0.1	49.1	54.0	4.9	Complied

Results: Lower Band Edge / Average

Frequency (MHz)	Level (dB μ V/m)	Duty Cycle correction factor (dB)	Corrected Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5350	48.3	0.1	48.4	54.0	5.6	Complied
5355.385	48.5	0.1	48.6	54.0	5.4	Complied

**Lower Band Edge****Upper Band Edge**

Transmitter Band Edge Radiated Emissions (5.15-5.25 GHz band operation) (continued)**Results: 802.11ac / 80 MHz / MIMO / 2Tx SDM / BPSK / MCS0x2****Results: Lower Band Edge / Peak**

Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5135.897	66.9	74.0	7.1	Complied
5150	64.3	74.0	9.7	Complied

Results: Upper Band Edge / Peak

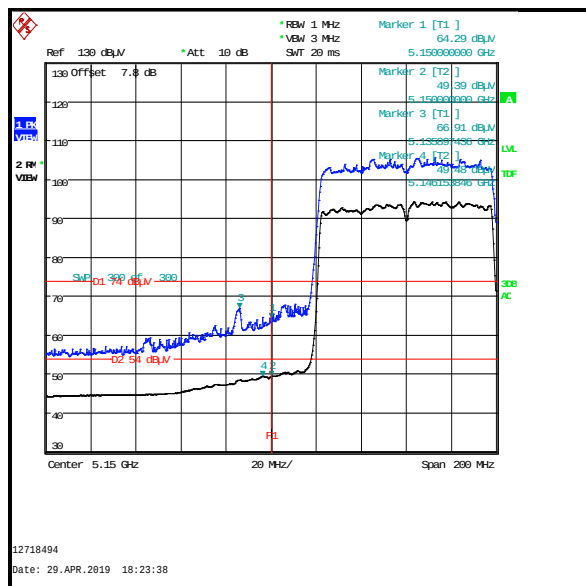
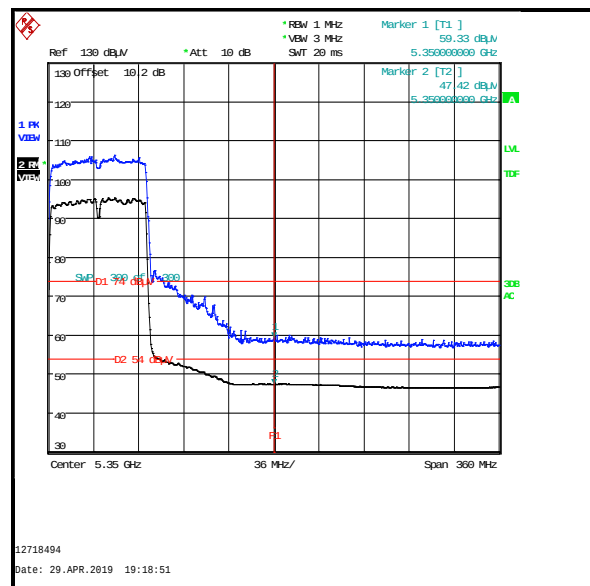
Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5350	59.3	74.0	14.7	Complied

Results: Lower Band Edge / Average

Frequency (MHz)	Level (dB μ V/m)	Duty Cycle correction factor (dB)	Corrected Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5146.154	49.5	0.2	49.7	54.0	4.3	Complied
5150	49.4	0.2	49.6	54.0	4.4	Complied

Results: Upper Band Edge / Average

Frequency (MHz)	Level (dB μ V/m)	Duty Cycle correction factor (dB)	Corrected Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5350	47.4	0.2	47.6	54.0	6.4	Complied

**Lower Band Edge****Upper Band Edge**

Transmitter Band Edge Radiated Emissions (5.15-5.25 GHz band operation) (continued)**Results: 802.11n / 20 MHz / MIMO / 2Tx TXBF / BPSK / MCS0****Results: Lower Band Edge / Peak**

Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5149.744	66.6	74.0	7.4	Complied
5150	63.7	74.0	10.3	Complied

Results: Upper Band Edge / Peak

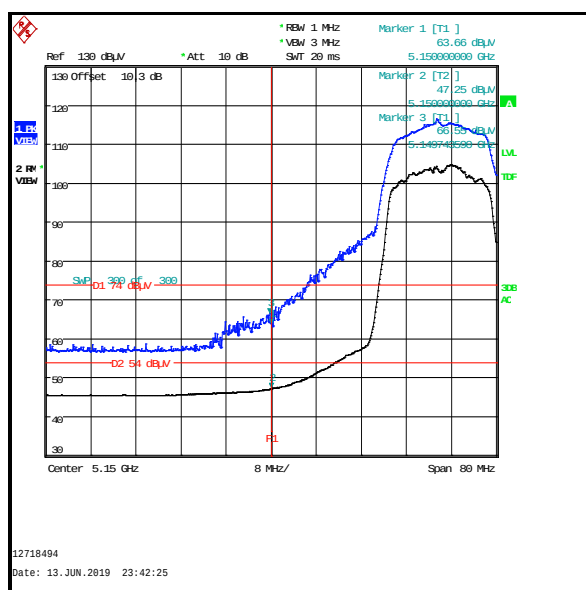
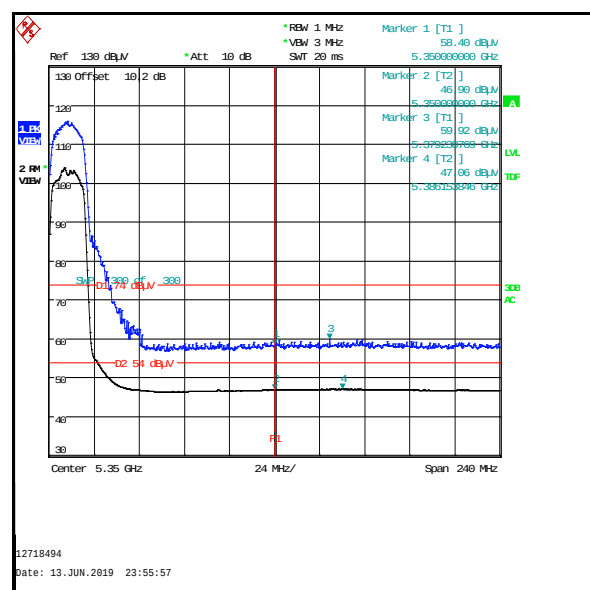
Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5350	58.4	74.0	15.6	Complied
5379.231	59.9	74.0	14.1	Complied

Results: Lower Band Edge / Average

Frequency (MHz)	Level (dB μ V/m)	Duty Cycle correction factor (dB)	Corrected Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5150	47.3	0.1	47.4	54.0	6.6	Complied

Results: Upper Band Edge / Average

Frequency (MHz)	Level (dB μ V/m)	Duty Cycle correction factor (dB)	Corrected Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5350	46.9	0.1	47.0	54.0	7.0	Complied
5386.154	47.1	0.1	47.2	54.0	6.8	Complied

**Lower Band Edge****Upper Band Edge**

Transmitter Band Edge Radiated Emissions (5.15-5.25 GHz band operation) (continued)**Results: 802.11n / 40 MHz / MIMO / 2Tx TXBF / BPSK / MCS0****Results: Lower Band Edge / Peak**

Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5149.422	66.5	74.0	7.5	Complied
5150	66.3	74.0	7.7	Complied

Results: Upper Band Edge / Peak

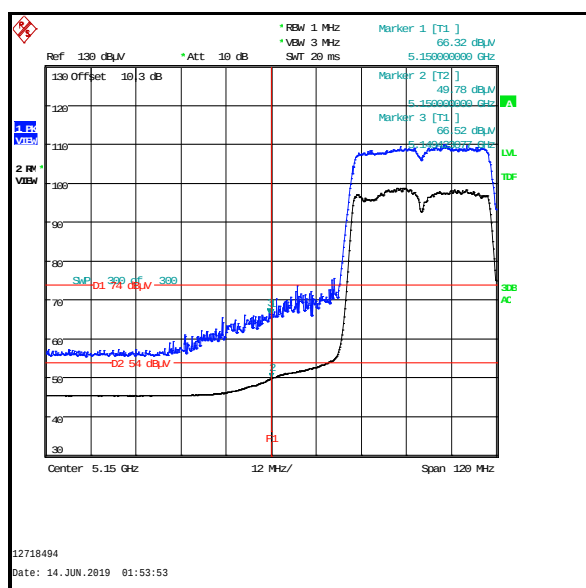
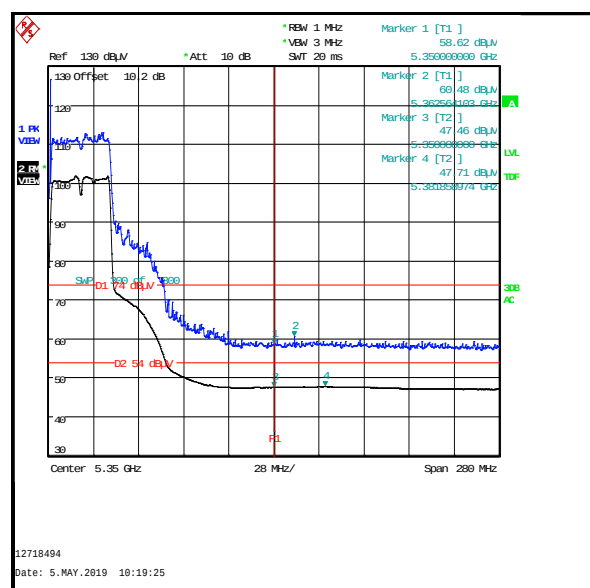
Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5350	58.6	74.0	15.4	Complied
5362.564	60.5	74.0	13.5	Complied

Results: Lower Band Edge / Average

Frequency (MHz)	Level (dB μ V/m)	Duty Cycle correction factor (dB)	Corrected Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5150	49.8	0.1	49.9	54.0	4.1	Complied

Results: Upper Band Edge / Average

Frequency (MHz)	Level (dB μ V/m)	Duty Cycle correction factor (dB)	Corrected Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5350	47.5	0.1	47.6	54.0	6.4	Complied
5381.857	47.7	0.1	47.8	54.0	6.2	Complied

**Lower Band Edge****Upper Band Edge**

Transmitter Band Edge Radiated Emissions (5.15-5.25 GHz band operation) (continued)**Results: 802.11ac / 80 MHz / MIMO / 2Tx TXBF / BPSK / MCS0x1****Results: Lower Band Edge / Peak**

Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5148.297	69.0	74.0	5.0	Complied
5150	67.7	74.0	6.3	Complied

Results: Upper Band Edge / Peak

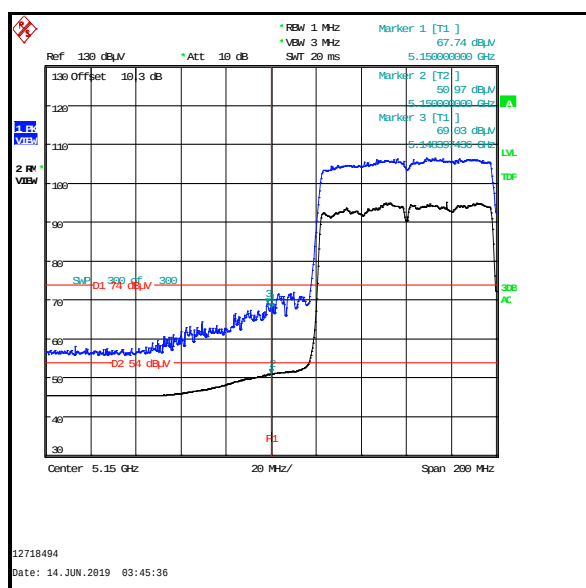
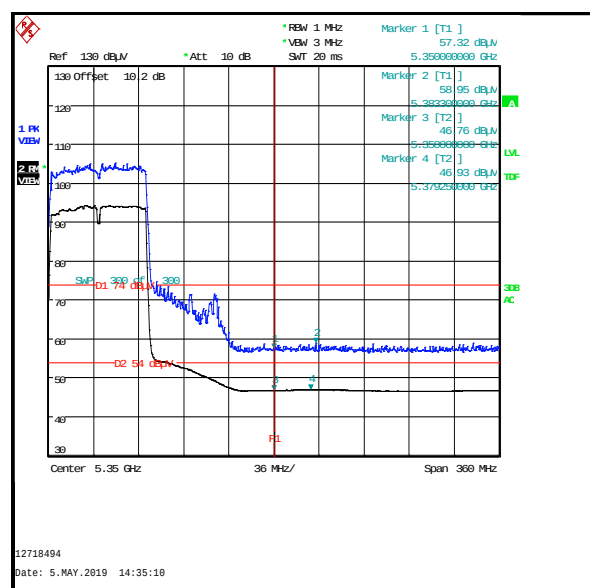
Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5350	57.3	74.0	16.7	Complied
5383.300	59.0	74.0	15.0	Complied

Results: Lower Band Edge / Average

Frequency (MHz)	Level (dB μ V/m)	Duty Cycle correction factor (dB)	Corrected Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5150	51.0	0.1	51.1	54.0	2.9	Complied

Results: Upper Band Edge / Average

Frequency (MHz)	Level (dB μ V/m)	Duty Cycle correction factor (dB)	Corrected Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5350	46.8	0.1	46.9	54.0	7.1	Complied
5379.250	46.9	0.1	47.0	54.0	7.0	Complied

**Lower Band Edge****Upper Band Edge**

Transmitter Band Edge Radiated Emissions (5.15-5.25 GHz band operation) (continued)**Results: 802.11n / 20 MHz / MIMO / 3Tx CDD / BPSK / MCS0****Results: Lower Band Edge / Peak**

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5150	67.0	74.0	7.0	Complied

Results: Upper Band Edge / Peak

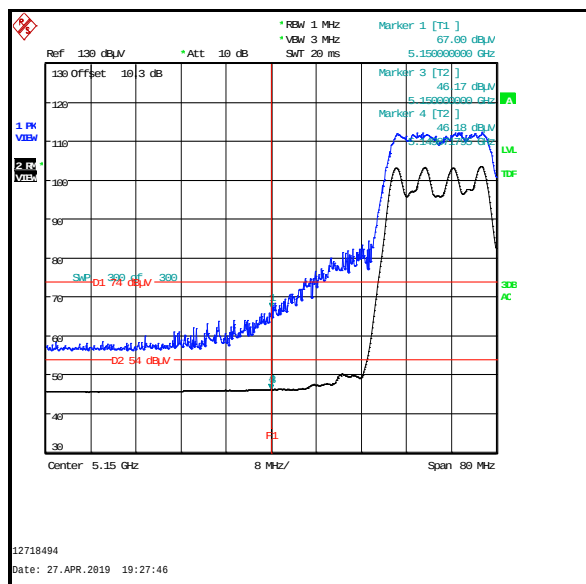
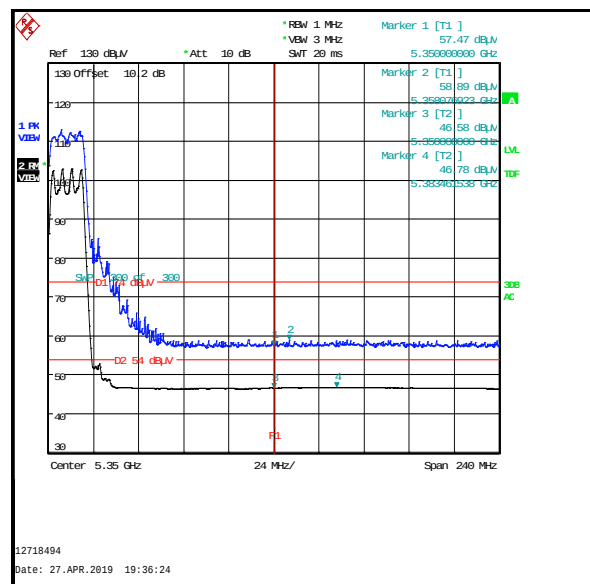
Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5350	57.5	74.0	16.5	Complied
5358.077	58.9	74.0	15.1	Complied

Results: Lower Band Edge / Average

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5150	46.2	54.0	7.8	Complied

Results: Upper Band Edge / Average

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5350	46.6	54.0	7.4	Complied
5383.462	46.8	54.0	7.2	Complied

**Lower Band Edge****Upper Band Edge**

Transmitter Band Edge Radiated Emissions (5.15-5.25 GHz band operation) (continued)**Results: 802.11n / 40 MHz / MIMO / 3Tx CDD / BPSK / MCS0****Results: Lower Band Edge / Peak**

Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5145.385	69.7	74.0	4.3	Complied
5150	68.1	74.0	5.9	Complied

Results: Upper Band Edge / Peak

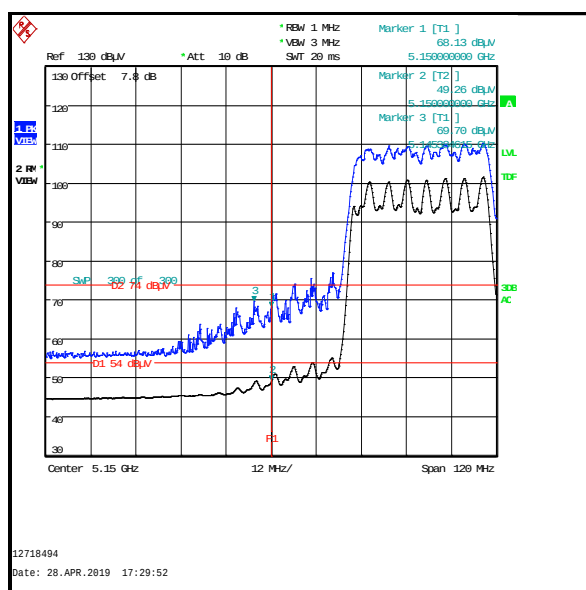
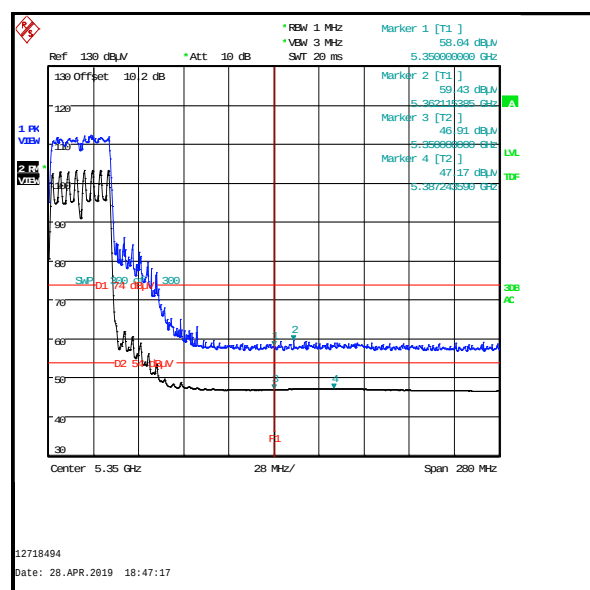
Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5350	58.0	74.0	16.0	Complied
5362.115	59.4	74.0	14.6	Complied

Results: Lower Band Edge / Average

Frequency (MHz)	Level (dB μ V/m)	Duty Cycle correction factor (dB)	Corrected Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5150	49.3	0.1	49.4	54.0	4.6	Complied

Results: Upper Band Edge / Average

Frequency (MHz)	Level (dB μ V/m)	Duty Cycle correction factor (dB)	Corrected Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5350	46.9	0.1	47.0	54.0	7.0	Complied
5387.244	47.2	0.1	47.3	54.0	6.7	Complied

**Lower Band Edge****Upper Band Edge**

Transmitter Band Edge Radiated Emissions (5.15-5.25 GHz band operation) (continued)**Results: 802.11ac / 80 MHz / MIMO / 3Tx CDD / BPSK / MCS0x1****Results: Lower Band Edge / Peak**

Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5146.154	68.3	74.0	5.7	Complied
5150	63.4	74.0	10.6	Complied

Results: Upper Band Edge / Peak

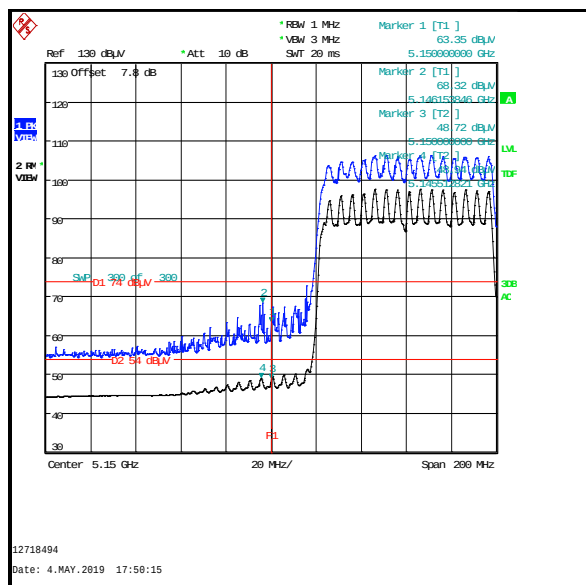
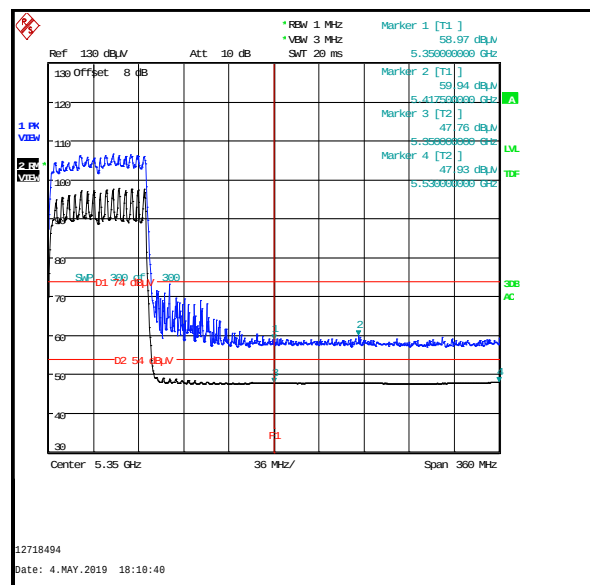
Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5350	59.0	74.0	15.0	Complied
5417.500	59.9	74.0	14.1	Complied

Results: Lower Band Edge / Average

Frequency (MHz)	Level (dB μ V/m)	Duty Cycle correction factor (dB)	Corrected Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5145.513	48.9	0.2	49.1	54.0	4.9	Complied
5150	48.7	0.2	48.9	54.0	5.1	Complied

Results: Upper Band Edge / Average

Frequency (MHz)	Level (dB μ V/m)	Duty Cycle correction factor (dB)	Corrected Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5350	47.8	0.2	48.0	54.0	6.0	Complied
5530.000	47.9	0.2	48.1	54.0	5.9	Complied

**Lower Band Edge****Upper Band Edge**

Transmitter Band Edge Radiated Emissions (5.15-5.25 GHz band operation) (continued)**Results: 802.11n / 20 MHz / MIMO / 3Tx SDM / BPSK / MCS16****Results: Lower Band Edge / Peak**

Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5149.872	69.3	74.0	4.7	Complied
5150	68.3	74.0	5.7	Complied

Results: Upper Band Edge / Peak

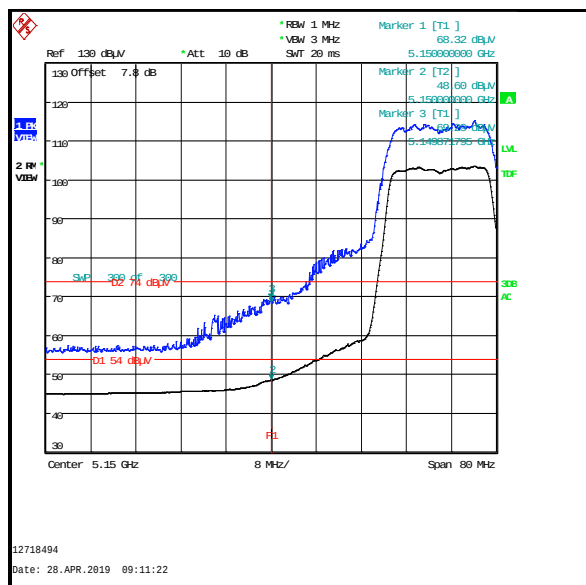
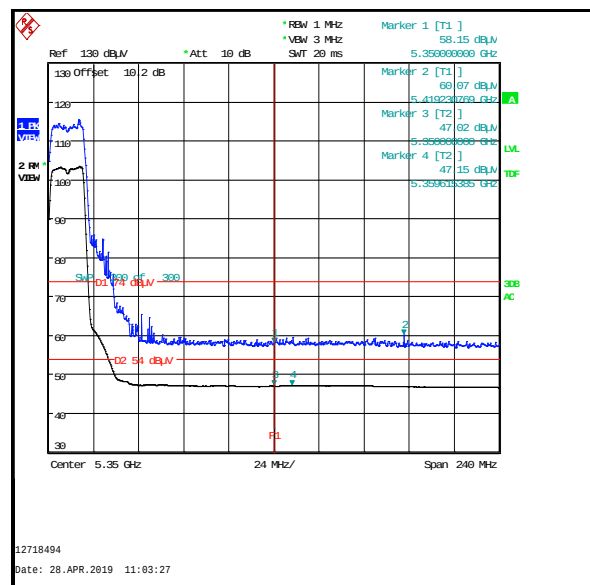
Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5350	58.2	74.0	15.8	Complied
5419.231	60.1	74.0	13.9	Complied

Results: Lower Band Edge / Average

Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5150	48.6	54.0	5.4	Complied

Results: Upper Band Edge / Average

Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5350	47.0	54.0	7.0	Complied
5359.615	47.2	54.0	6.8	Complied

**Lower Band Edge****Upper Band Edge**

Transmitter Band Edge Radiated Emissions (5.15-5.25 GHz band operation) (continued)**Results: 802.11n / 40 MHz / MIMO / 3Tx SDM / BPSK / MCS16****Results: Lower Band Edge / Peak**

Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5149.679	65.8	74.0	8.2	Complied
5150	63.3	74.0	10.7	Complied

Results: Upper Band Edge / Peak

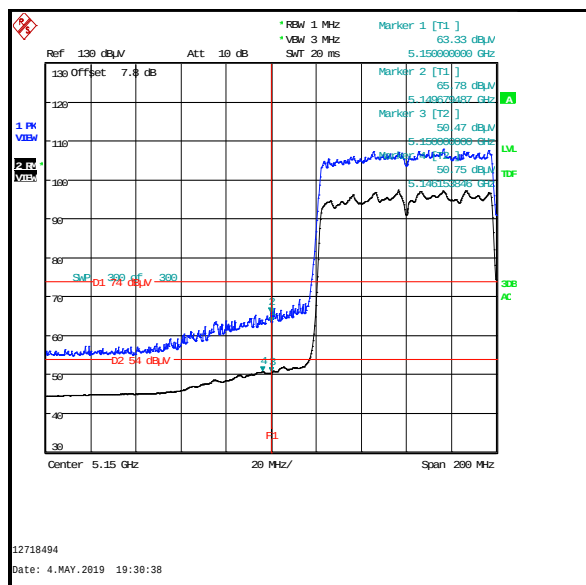
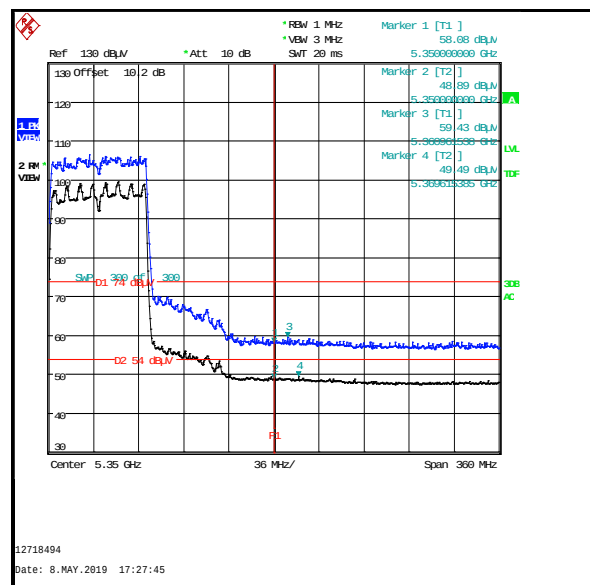
Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5350	58.1	74.0	15.9	Complied
5360.962	59.4	74.0	14.6	Complied

Results: Lower Band Edge / Average

Frequency (MHz)	Level (dB μ V/m)	Duty Cycle correction factor (dB)	Corrected Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5146.154	50.8	0.1	50.9	54.0	3.1	Complied
5150	50.5	0.1	50.6	54.0	3.4	Complied

Results: Upper Band Edge / Average

Frequency (MHz)	Level (dB μ V/m)	Duty Cycle correction factor (dB)	Corrected Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5350	48.9	0.1	49.0	54.0	5.0	Complied
5369.615	49.5	0.1	49.6	54.0	4.4	Complied

**Lower Band Edge****Upper Band Edge**

Transmitter Band Edge Radiated Emissions (5.15-5.25 GHz band operation) (continued)**Results: 802.11ac / 80 MHz / MIMO / 3Tx SDM / BPSK / MCS0x3****Results: Lower Band Edge / Peak**

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5149.679	65.8	74.0	8.2	Complied
5150	63.3	74.0	10.7	Complied

Results: Upper Band Edge / Peak

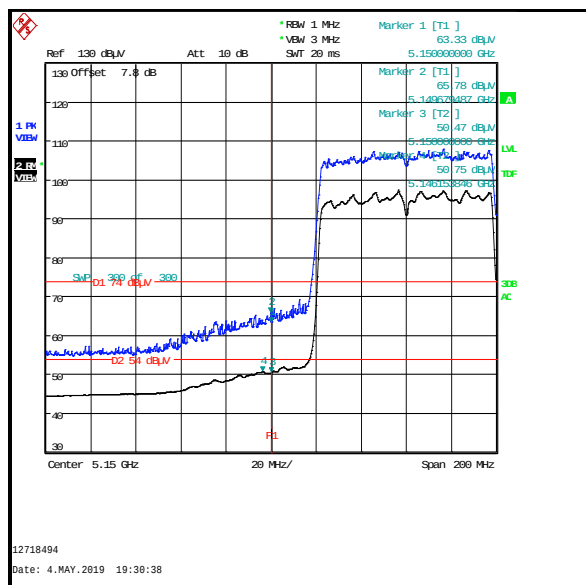
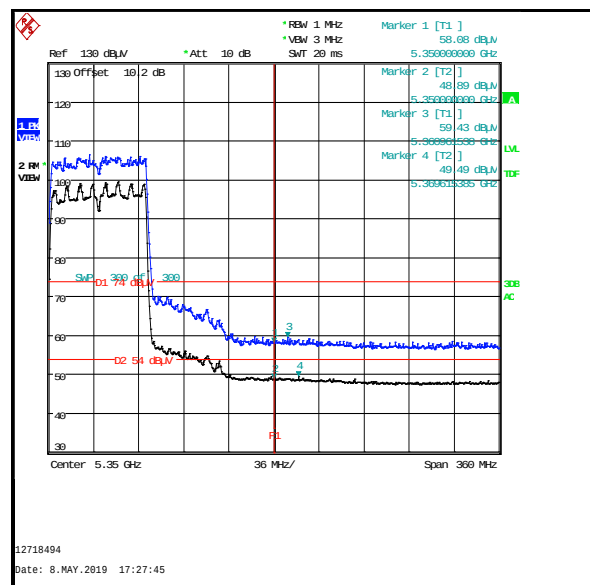
Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5350	58.1	74.0	15.9	Complied
5360.962	59.4	74.0	14.6	Complied

Results: Lower Band Edge / Average

Frequency (MHz)	Level (dBμV/m)	Duty Cycle correction factor (dB)	Corrected Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5146.154	50.8	0.2	51.0	54.0	3.0	Complied
5150	50.5	0.2	50.7	54.0	3.3	Complied

Results: Upper Band Edge / Average

Frequency (MHz)	Level (dBμV/m)	Duty Cycle correction factor (dB)	Corrected Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5350	48.9	0.2	49.1	54.0	4.9	Complied
5369.615	49.5	0.2	49.7	54.0	4.3	Complied

**Lower Band Edge****Upper Band Edge**

Transmitter Band Edge Radiated Emissions (5.15-5.25 GHz band operation) (continued)**Results: 802.11n / 20 MHz / MIMO / 3Tx TXBF / BPSK / MCS0****Results: Lower Band Edge / Peak**

Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5136.667	58.0	74.0	16.0	Complied
5150	56.9	74.0	17.1	Complied

Results: Upper Band Edge / Peak

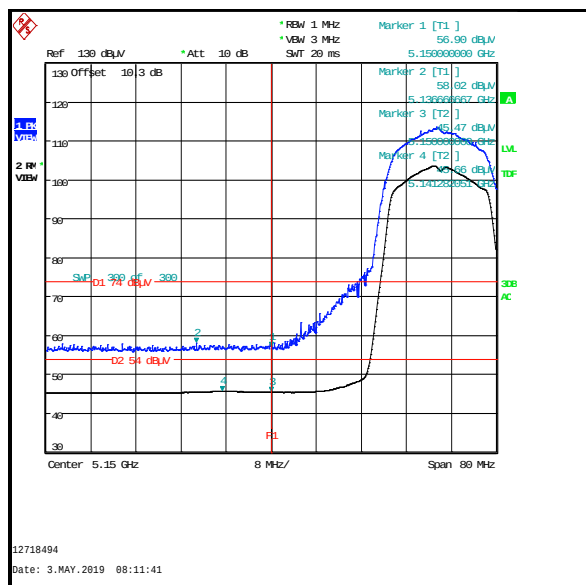
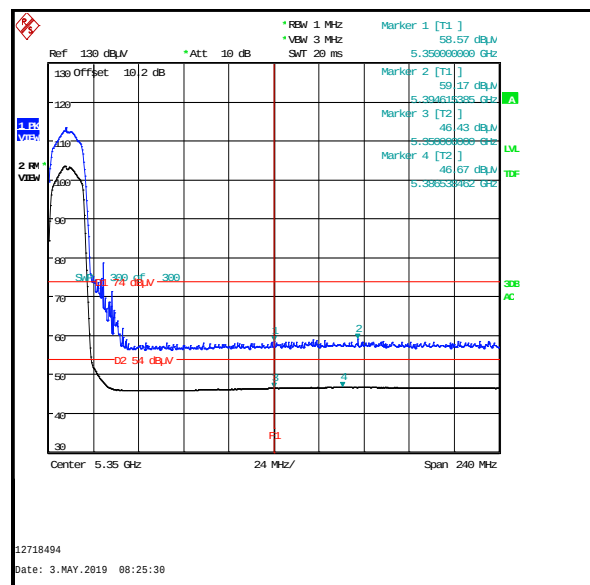
Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5350	58.6	74.0	15.4	Complied
5394.615	59.2	74.0	14.8	Complied

Results: Lower Band Edge / Average

Frequency (MHz)	Level (dB μ V/m)	Duty Cycle correction (dB)	Corrected Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5141.282	45.7	0.1	45.8	54.0	8.2	Complied
5150	45.5	0.1	45.6	54.0	8.4	Complied

Results: Upper Band Edge / Average

Frequency (MHz)	Level (dB μ V/m)	Duty Cycle correction (dB)	Corrected Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5350	46.4	0.1	46.5	54.0	7.5	Complied
5386.538	46.7	0.1	46.8	54.0	7.2	Complied

**Lower Band Edge****Upper Band Edge**

Transmitter Band Edge Radiated Emissions (5.15-5.25 GHz band operation) (continued)**Results: 802.11n / 40 MHz / MIMO / 3Tx TXBF / BPSK / MCS0****Results: Lower Band Edge / Peak**

Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5147.865	69.0	74.0	5.0	Complied
5150	67.5	74.0	6.5	Complied

Results: Upper Band Edge / Peak

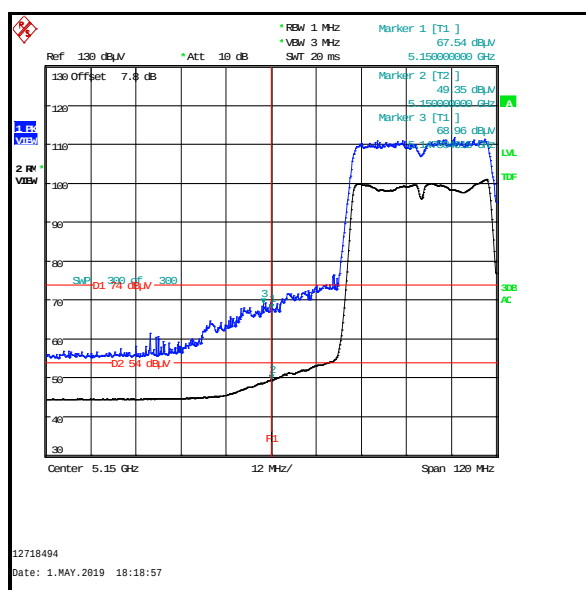
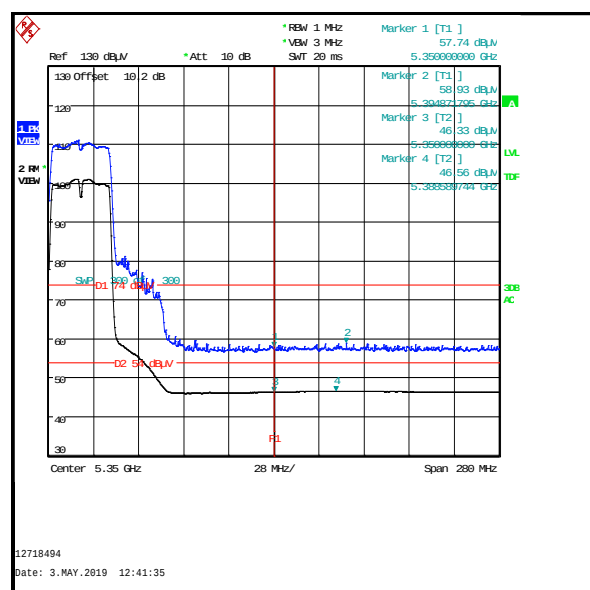
Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5350	57.7	74.0	16.3	Complied
5394.872	58.9	74.0	15.1	Complied

Results: Lower Band Edge / Average

Frequency (MHz)	Level (dB μ V/m)	Duty Cycle correction factor (dB)	Corrected Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5150	49.4	0.1	49.5	54.0	4.5	Complied

Results: Upper Band Edge / Average

Frequency (MHz)	Level (dB μ V/m)	Duty Cycle correction factor (dB)	Corrected Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5350	46.3	0.1	46.4	54.0	7.6	Complied
5388.590	46.6	0.1	46.7	54.0	7.3	Complied

**Lower Band Edge****Upper Band Edge**

Transmitter Band Edge Radiated Emissions (5.15-5.25 GHz band operation) (continued)**Results: 802.11ac / 80 MHz / MIMO / 3Tx TXBF / BPSK / MCS0x1****Results: Lower Band Edge / Peak**

Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5145.513	69.3	74.0	4.7	Complied
5150	68.9	74.0	5.1	Complied

Results: Upper Band Edge / Peak

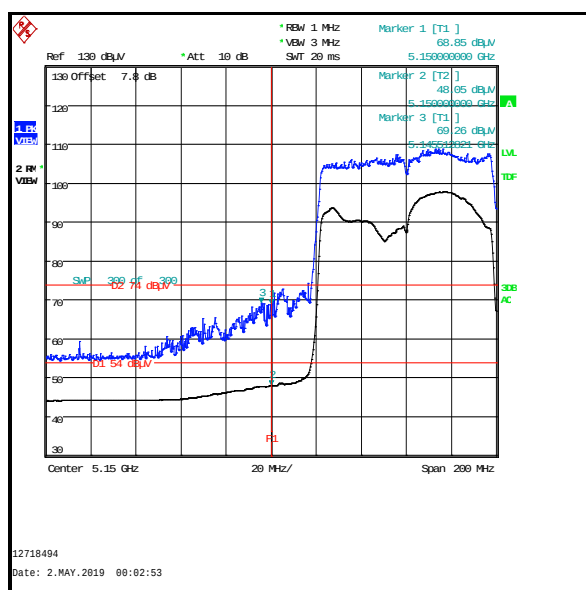
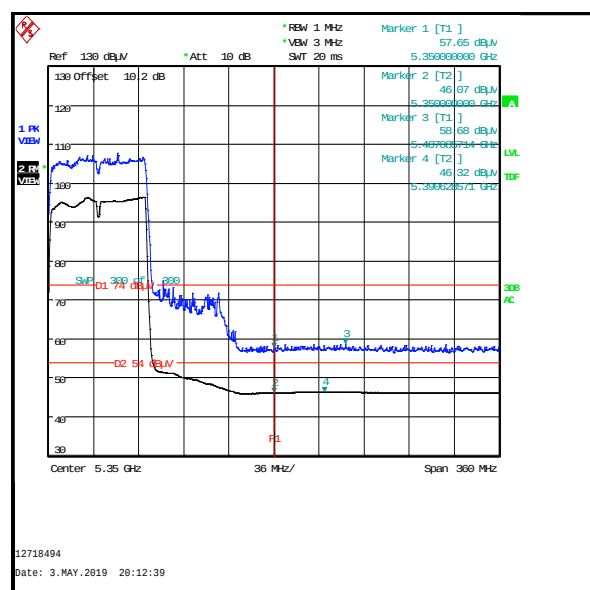
Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5350	57.7	74.0	16.3	Complied
5407.086	58.7	74.0	15.3	Complied

Results: Lower Band Edge / Average

Frequency (MHz)	Level (dB μ V/m)	Duty Cycle correction factor (dB)	Corrected Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5150	48.1	0.1	48.2	54.0	5.8	Complied

Results: Upper Band Edge / Average

Frequency (MHz)	Level (dB μ V/m)	Duty Cycle correction factor (dB)	Corrected Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5350	46.1	0.1	46.2	54.0	7.8	Complied
5390.629	46.3	0.1	46.4	54.0	7.6	Complied

**Lower Band Edge****Upper Band Edge**

Transmitter Band Edge Radiated Emissions (5.25-5.35 GHz band)**5.3.2. 5.25-5.35 GHz band****Test Summary:**

Test Engineers:	Andrew Edwards, Mohamed Toubella, James O'Reilly, Mark Perry, John Ferdinand, Tom Sleigh, Nick Steele, Marco Zunarelli & Andrew Harding	Test Dates:	19 April 2019 to 14 June 2019
Test Sample Serial Numbers:	C02YF00CMFLF & C02YD006MFLQ		

FCC Reference:	Parts 15.407(b)(2),(7), 15.205 & 15.209(a)
Test Method Used:	ANSI C63.10 Section 6.10 & KDB 789033 II.G.

Environmental Conditions:

Temperature (°C):	22 to 26
Relative Humidity (%):	31 to 45

Transmitter Band Edge Radiated Emissions (5.25-5.35 GHz band operation) (continued)**Note(s):**

1. The following modes were tested:
 - o 802.11a - BPSK / 6 Mbps / Core 0
 - o 802.11n HT20 / SISO - BPSK / MCS0 / Core 0
 - o 802.11n HT40 / SISO - BPSK / MCS0 / Core 0
 - o 802.11ac VHT80 / SISO – BPSK / MCS0x1 / Core 0
 - o 802.11n HT20 / MIMO / 2Tx CDD - BPSK / MCS0
 - o 802.11n HT40 / MIMO / 2Tx CDD - BPSK / MCS0
 - o 802.11ac VHT80 / MIMO / 2Tx CDD - BPSK / MCS0x1
 - o 802.11n HT20 / MIMO / 2Tx SDM - BPSK / MCS8
 - o 802.11n HT40 / MIMO / 2Tx SDM - BPSK / MCS8
 - o 802.11ac VHT80 / MIMO / 2Tx SDM - BPSK / MCS0x2
 - o 802.11n HT20 / MIMO / 2Tx TXBF - BPSK / MCS0
 - o 802.11n HT40 / MIMO / 2Tx TXBF - BPSK / MCS0
 - o 802.11ac VHT80 / MIMO / 2Tx TXBF - BPSK / MCS0x1
 - o 802.11n HT20 / MIMO / 3Tx CDD - BPSK / MCS0
 - o 802.11n HT40 / MIMO / 3Tx CDD - BPSK / MCS0
 - o 802.11ac VHT80 / MIMO / 3Tx CDD - BPSK / MCS0x1
 - o 802.11n HT20 / MIMO / 3Tx SDM - BPSK / MCS16
 - o 802.11n HT40 / MIMO / 3Tx SDM - BPSK / MCS16
 - o 802.11ac VHT80 / MIMO / 3Tx SDM - BPSK / MCS0x3
 - o 802.11n HT20 / MIMO / 3Tx TXBF - BPSK / MCS0
 - o 802.11n HT40 / MIMO / 3Tx TXBF - BPSK / MCS0
 - o 802.11ac VHT80 / MIMO / 3Tx TXBF - BPSK / MCS0x1
2. Lower band edge measurements were performed with the EUT transmitting on the bottom channel. Upper band edge measurements were performed with the EUT transmitting on the top channel.
3. For transmitters operating in the 5.25-5.35 GHz band: all emissions outside of the 5.15-5.35 GHz band shall not exceed an EIRP of -27 dBm/MHz. However, there are restricted bands of operation below the lower band edge at 4.5-5.15 GHz and also above the upper band edge at 5.35-5.46 GHz therefore the provisions of FCC Part 15.205 apply. Tests were performed in these restricted bands of operation with the EUT transmitting on the bottom and top channels within 5.25-5.35 GHz band, the results are included in the transmitter 5.725-5.85 GHz band radiated spurious emissions section of this test report.
4. Field strength measurements using peak and average detectors were performed in the restricted bands below 5.15 GHz and above 5.35 GHz. Field strength and EIRP results were found to be compliant with the restricted band limits and Part 15.407 out-of-band limits.
5. For all average measurements in this section, 300 sweeps were used. This satisfies the requirement for the minimum number of sweep points, as stated in KDB 789033 Section II.G.6.c) Method AD (vi).
6. In accordance with KDB 789033 Section II.G.6.c) Method AD (vii), for average measurements, data rates where the EUT was transmitting <98% duty cycle, the duty cycle correction factor calculated in section 4.1 was added to the measured result.

Transmitter Band Edge Radiated Emissions (5.25-5.35 GHz band operation) (continued)**Results: 802.11a / 20 MHz / BPSK / 6 Mbps / Core 0****Results: Lower Band Edge / Peak**

Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5072.692	58.2	74.0	15.8	Complied
5150	56.6	74.0	18.4	Complied

Results: Upper Band Edge / Peak

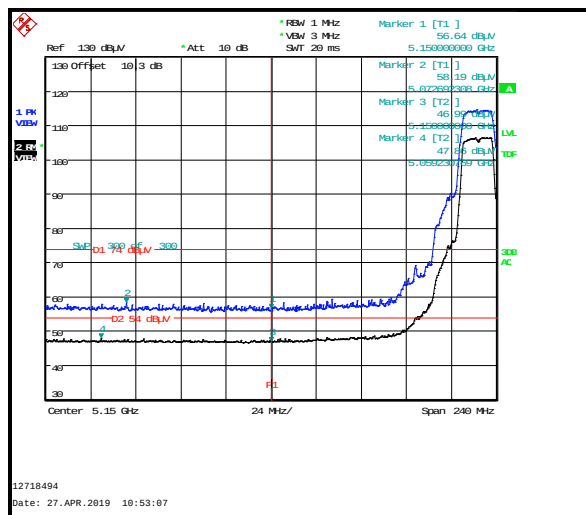
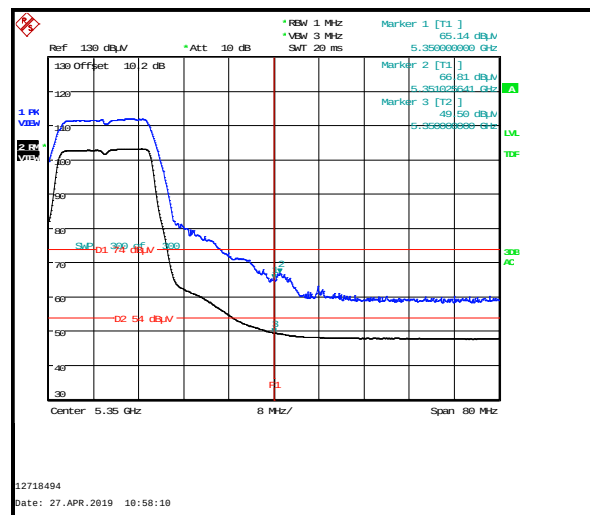
Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5350	65.1	74.0	8.9	Complied
5351.026	66.8	74.0	7.2	Complied

Results: Lower Band Edge / Average

Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5059.231	47.8	54.0	6.2	Complied
5150	47.0	54.0	7.0	Complied

Results: Upper Band Edge / Average

Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5350	49.5	54.0	4.5	Complied

**Lower Band Edge****Upper Band Edge**

Transmitter Band Edge Radiated Emissions (5.25-5.35 GHz band operation) (continued)**Results: 802.11n / 20 MHz / SISO / BPSK / MCS0 / Core 0****Results: Lower Band Edge / Peak**

Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5031.923	58.6	74.0	15.4	Complied
5150	57.3	74.0	16.7	Complied

Results: Upper Band Edge / Peak

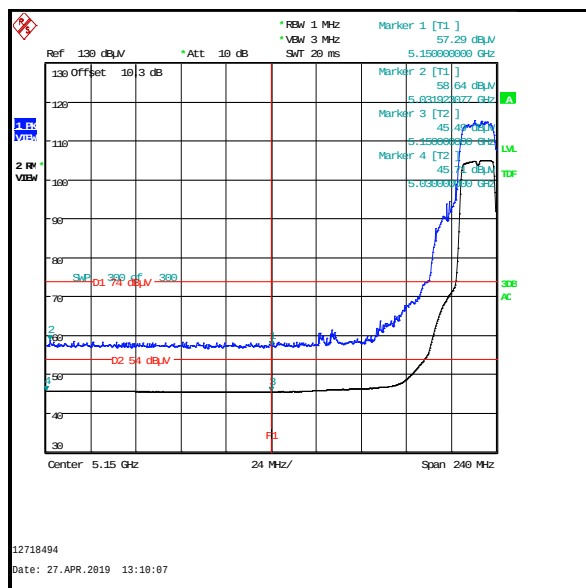
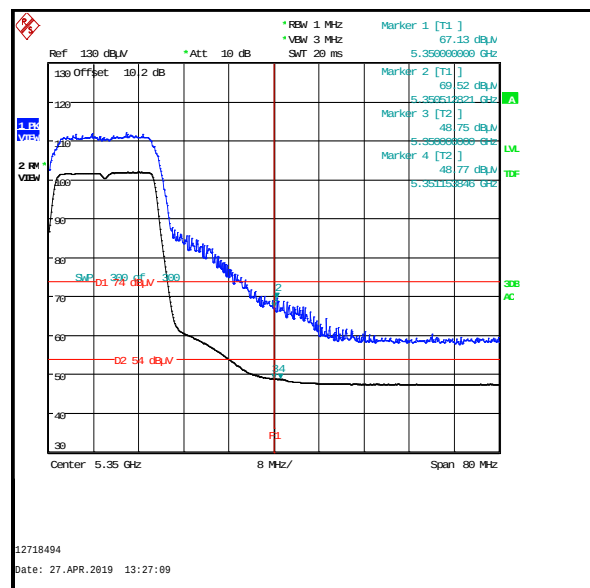
Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5350	67.1	74.0	6.9	Complied
5350.513	69.5	74.0	4.5	Complied

Results: Lower Band Edge / Average

Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5030.000	45.7	54.0	8.3	Complied
5150	45.5	54.0	8.5	Complied

Results: Upper Band Edge / Average

Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5350	48.8	54.0	5.2	Complied

**Lower Band Edge****Upper Band Edge**

Transmitter Band Edge Radiated Emissions (5.25-5.35 GHz band operation) (continued)**Results: 802.11n / 40 MHz / SISO / BPSK / MCS0 / Core 0****Results: Lower Band Edge / Peak**

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5138.333	58.3	74.0	15.7	Complied
5150	57.0	74.0	17.0	Complied

Results: Upper Band Edge / Peak

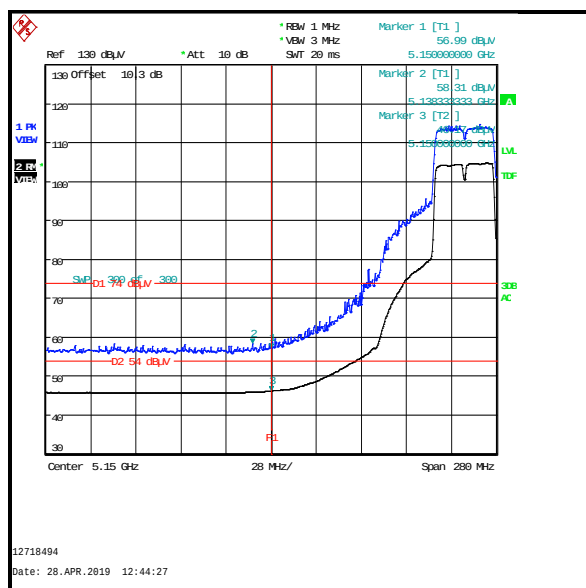
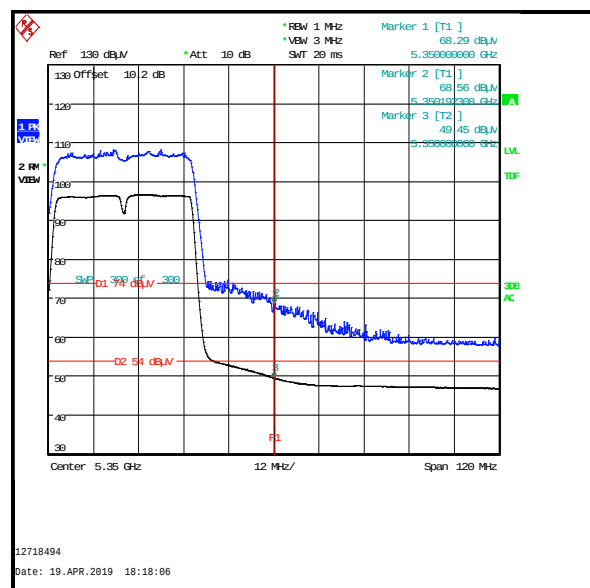
Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5350	68.3	74.0	5.7	Complied
5350.192	68.6	74.0	5.4	Complied

Results: Lower Band Edge / Average

Frequency (MHz)	Level (dBμV/m)	Duty Cycle correction factor (dB)	Corrected Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5150	46.2	0.1	46.3	54.0	7.7	Complied

Results: Upper Band Edge / Average

Frequency (MHz)	Level (dBμV/m)	Duty Cycle correction factor (dB)	Corrected Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5350	49.5	0.1	49.6	54.0	4.4	Complied

**Lower Band Edge****Upper Band Edge**

Transmitter Band Edge Radiated Emissions (5.25-5.35 GHz band operation) (continued)**Results: 802.11ac / 80 MHz / SISO / BPSK / MCS0 / Core 0****Results: Lower Band Edge / Peak**

Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5060.000	56.3	74.0	17.7	Complied
5150	53.9	74.0	20.1	Complied

Results: Upper Band Edge / Peak

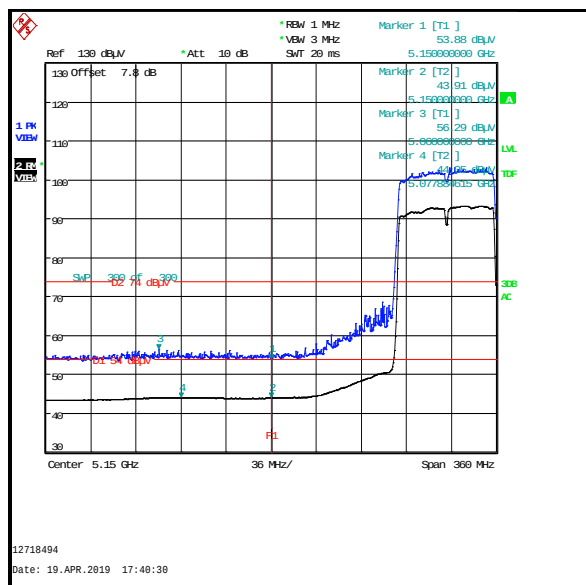
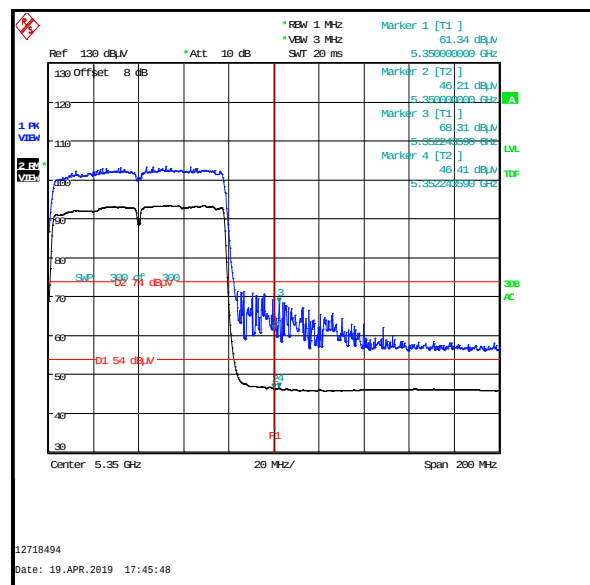
Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5350	61.3	74.0	12.7	Complied
5352.244	68.3	74.0	5.7	Complied

Results: Lower Band Edge / Average

Frequency (MHz)	Level (dB μ V/m)	Duty Cycle correction factor (dB)	Corrected Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5077.885	44.1	0.2	44.3	54.0	9.7	Complied
5150	43.9	0.2	44.1	54.0	9.9	Complied

Results: Upper Band Edge / Average

Frequency (MHz)	Level (dB μ V/m)	Duty Cycle correction factor (dB)	Corrected Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5350	46.2	0.2	46.4	54.0	7.6	Complied
5352.244	46.4	0.2	46.6	54.0	7.4	Complied

**Lower Band Edge****Upper Band Edge**

Transmitter Band Edge Radiated Emissions (5.25-5.35 GHz band operation) (continued)**Results: 802.11n / 20 MHz / MIMO / 2Tx CDD / BPSK / MCS0****Results: Lower Band Edge / Peak**

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5030.385	58.0	74.0	16.0	Complied
5150	55.9	74.0	18.1	Complied

Results: Upper Band Edge / Peak

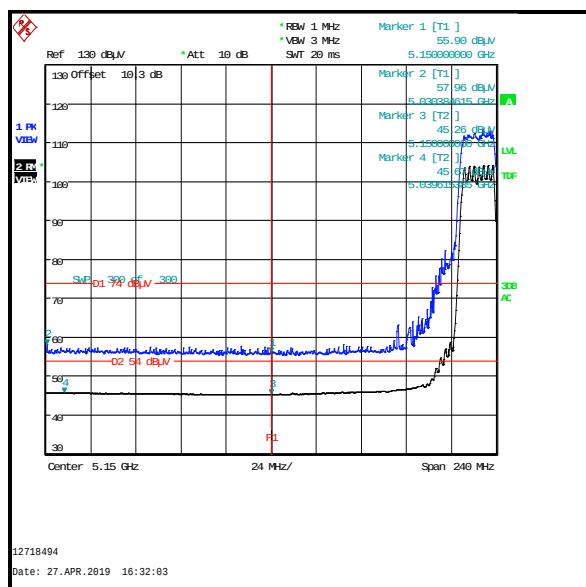
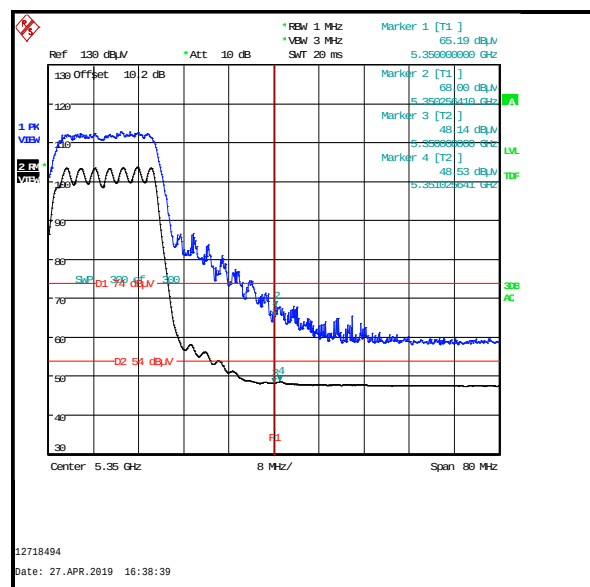
Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5350	65.2	74.0	8.8	Complied
5350.256	68.0	74.0	6.0	Complied

Results: Lower Band Edge / Average

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5039.615	45.6	54.0	8.4	Complied
5150	45.3	54.0	8.7	Complied

Results: Upper Band Edge / Average

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5350	48.1	54.0	5.9	Complied
5351.026	48.5	54.0	5.5	Complied

**Lower Band Edge****Upper Band Edge**

Transmitter Band Edge Radiated Emissions (5.25-5.35 GHz band operation) (continued)**Results: 802.11n / 40 MHz / MIMO / 2Tx CDD / BPSK / MCS0****Results: Lower Band Edge / Peak**

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5081.346	57.9	74.0	16.1	Complied
5150	57.1	74.0	16.9	Complied

Results: Upper Band Edge / Peak

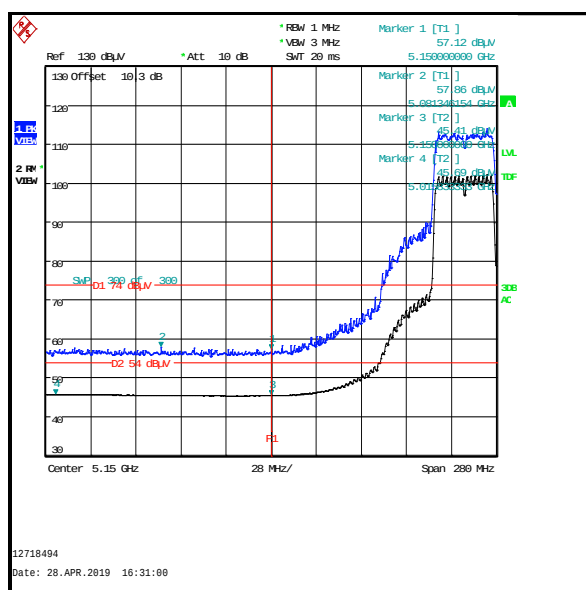
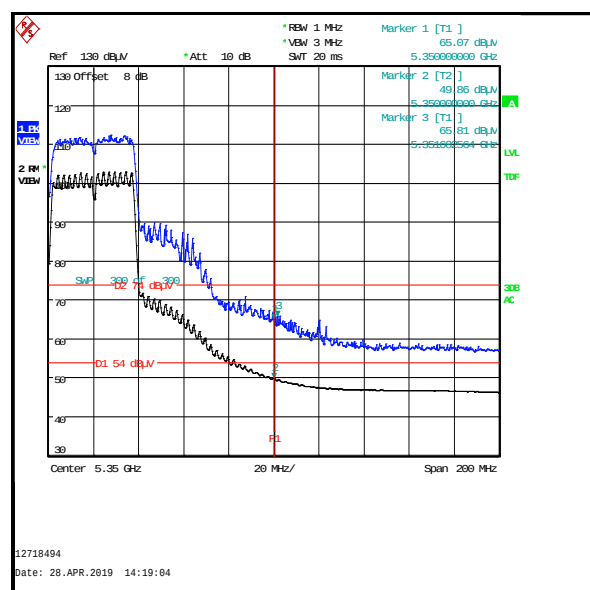
Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5350	65.1	74.0	8.9	Complied
5351.603	65.8	74.0	8.2	Complied

Results: Lower Band Edge / Average

Frequency (MHz)	Level (dBμV/m)	Duty Cycle correction factor (dB)	Corrected Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5015.833	45.7	0.1	45.8	54.0	8.2	Complied
5150	45.4	0.1	45.5	54.0	8.5	Complied

Results: Upper Band Edge / Average

Frequency (MHz)	Level (dBμV/m)	Duty Cycle correction factor (dB)	Corrected Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5350	49.9	0.1	50.0	54.0	4.0	Complied

**Lower Band Edge****Upper Band Edge**

Transmitter Band Edge Radiated Emissions (5.25-5.35 GHz band operation) (continued)**Results: 802.11ac / 80 MHz / MIMO / 2Tx CDD / BPSK / MCS0x1****Results: Lower Band Edge / Peak**

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5032.550	57.7	74.0	16.3	Complied
5150	56.1	74.0	17.9	Complied

Results: Upper Band Edge / Peak

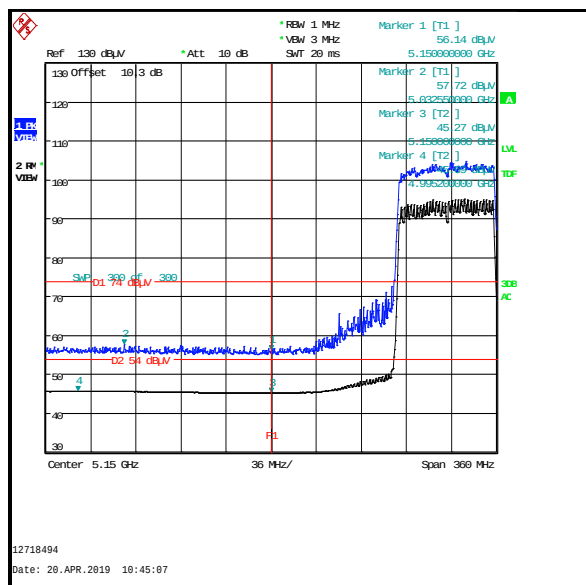
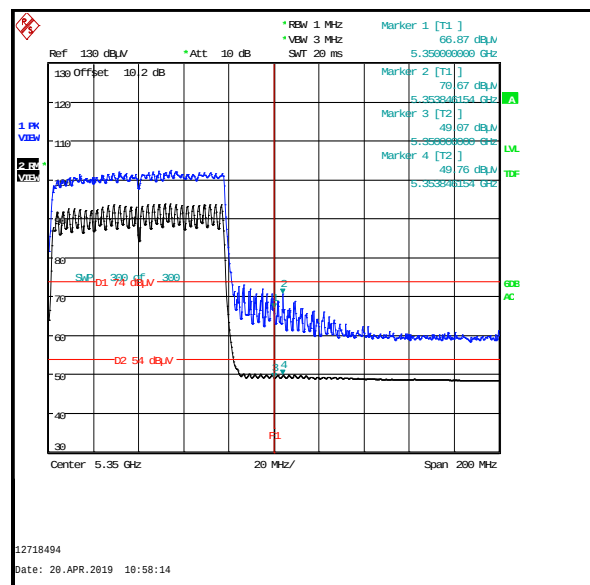
Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5350	66.9	74.0	7.1	Complied
5353.846	70.7	74.0	3.3	Complied

Results: Lower Band Edge / Average

Frequency (MHz)	Level (dBμV/m)	Duty Cycle correction factor (dB)	Corrected Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
4995.200	45.7	0.2	45.9	54.0	8.1	Complied
5150	45.3	0.2	45.5	54.0	8.5	Complied

Results: Upper Band Edge / Average

Frequency (MHz)	Level (dBμV/m)	Duty Cycle correction factor (dB)	Corrected Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5350	49.1	0.2	49.3	54.0	4.7	Complied
5353.846	49.8	0.2	50.0	54.0	4.0	Complied

**Lower Band Edge****Upper Band Edge**

Transmitter Band Edge Radiated Emissions (5.25-5.35 GHz band operation) (continued)**Results: 802.11n / 20 MHz / MIMO / 2Tx SDM / BPSK / MCS8****Results: Lower Band Edge / Peak**

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5048.846	58.0	74.0	16.0	Complied
5150	56.5	74.0	17.5	Complied

Results: Upper Band Edge / Peak

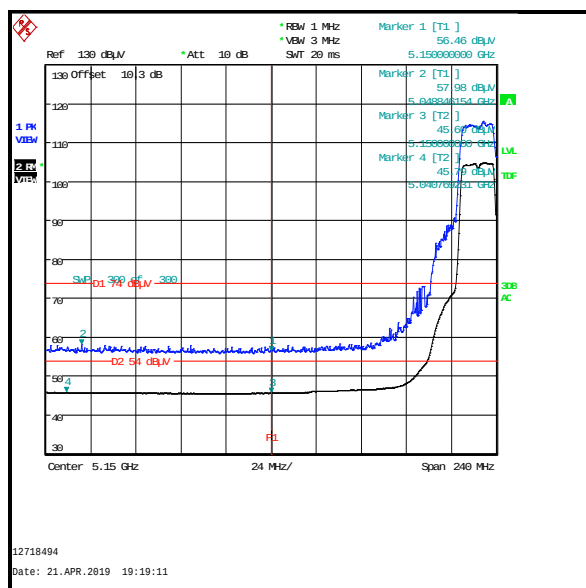
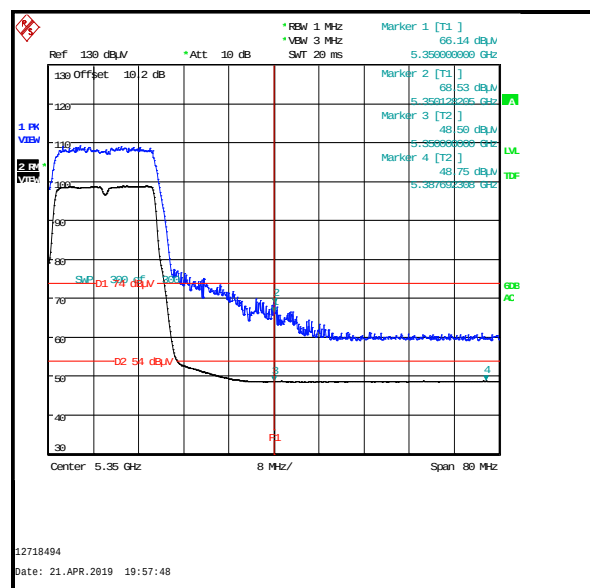
Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5350	66.1	74.0	7.9	Complied
5350.128	68.5	74.0	5.5	Complied

Results: Lower Band Edge / Average

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5040.769	45.8	54.0	8.2	Complied
5150	45.6	54.0	8.4	Complied

Results: Upper Band Edge / Average

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5350	48.5	54.0	5.5	Complied
5387.692	48.8	54.0	5.2	Complied

**Lower Band Edge****Upper Band Edge**

Transmitter Band Edge Radiated Emissions (5.25-5.35 GHz band operation) (continued)**Results: 802.11n / 40 MHz / MIMO / 2Tx SDM / BPSK / MCS8****Results: Lower Band Edge / Peak**

Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5015.833	58.6	74.0	15.4	Complied
5150	57.0	74.0	17.0	Complied

Results: Upper Band Edge / Peak

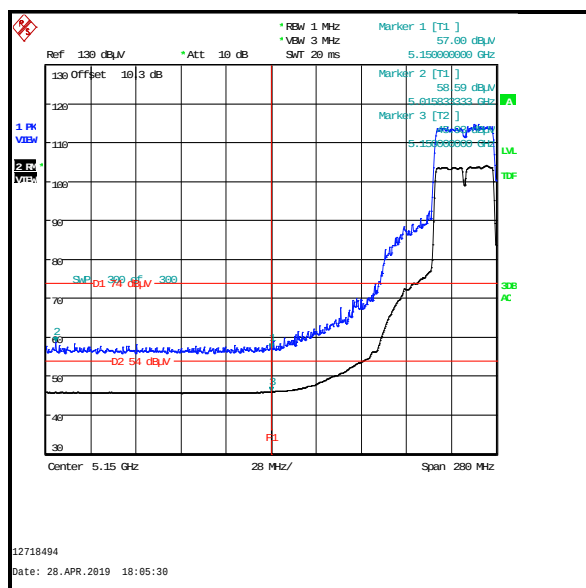
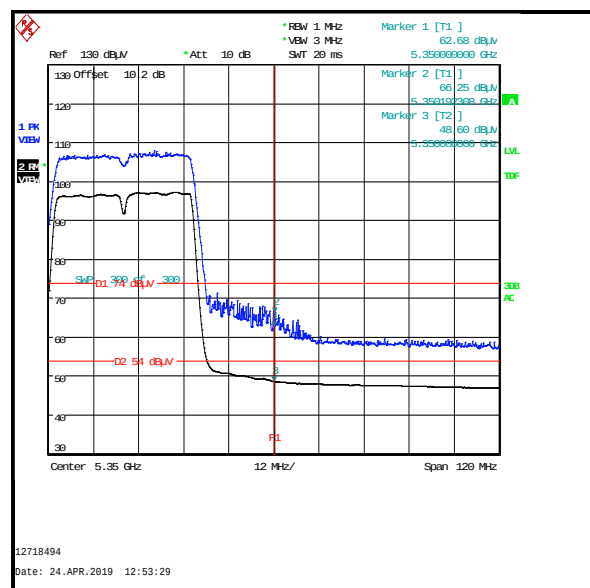
Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5350	62.7	74.0	11.3	Complied
5350.192	66.3	74.0	7.7	Complied

Results: Lower Band Edge / Average

Frequency (MHz)	Level (dB μ V/m)	Duty Cycle correction factor (dB)	Corrected Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5150	45.9	0.1	46.0	54.0	8.0	Complied

Results: Upper Band Edge / Average

Frequency (MHz)	Level (dB μ V/m)	Duty Cycle correction factor (dB)	Corrected Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5350	48.6	0.1	48.7	54.0	5.3	Complied

**Lower Band Edge****Upper Band Edge**

Transmitter Band Edge Radiated Emissions (5.25-5.35 GHz band operation) (continued)**Results: 802.11ac / 80 MHz / MIMO / 2Tx SDM / BPSK / MCS0x2****Results: Lower Band Edge / Peak**

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5049.038	57.5	74.0	16.5	Complied
5150	55.3	74.0	18.7	Complied

Results: Upper Band Edge / Peak

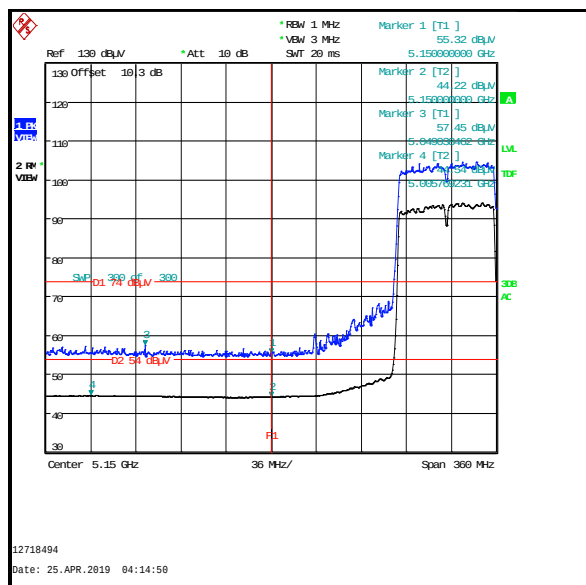
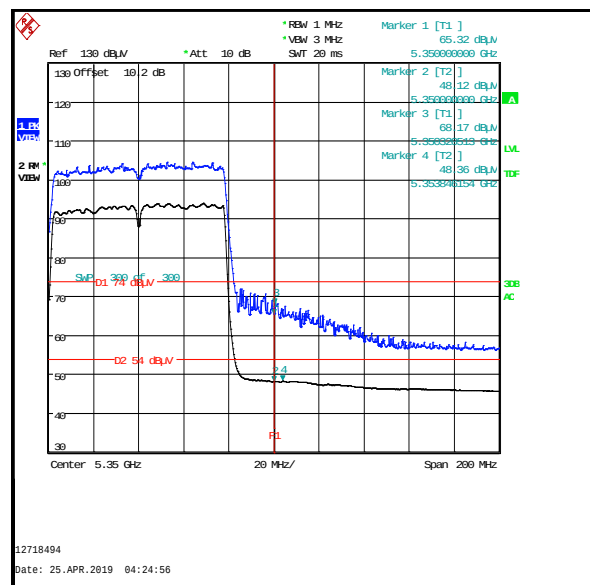
Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5350	65.3	74.0	8.7	Complied
5350.321	68.2	74.0	5.8	Complied

Results: Lower Band Edge / Average

Frequency (MHz)	Level (dBμV/m)	Duty Cycle correction factor (dB)	Corrected Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5005.769	44.5	0.2	44.7	54.0	9.3	Complied
5150	44.2	0.2	44.4	54.0	9.6	Complied

Results: Upper Band Edge / Average

Frequency (MHz)	Level (dBμV/m)	Duty Cycle correction factor (dB)	Corrected Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5350	48.1	0.2	48.3	54.0	5.7	Complied
5353.846	48.4	0.2	48.6	54.0	5.4	Complied

**Lower Band Edge****Upper Band Edge**

Transmitter Band Edge Radiated Emissions (5.25-5.35 GHz band operation) (continued)**Results: 802.11n / 20 MHz / MIMO / 2Tx TXBF / BPSK / MCS0****Results: Lower Band Edge / Peak**

Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5039.231	57.7	74.0	16.3	Complied
5150	56.2	74.0	17.8	Complied

Results: Upper Band Edge / Peak

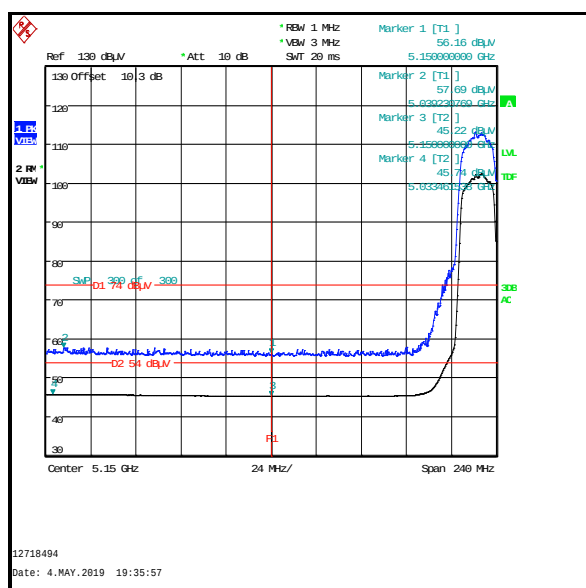
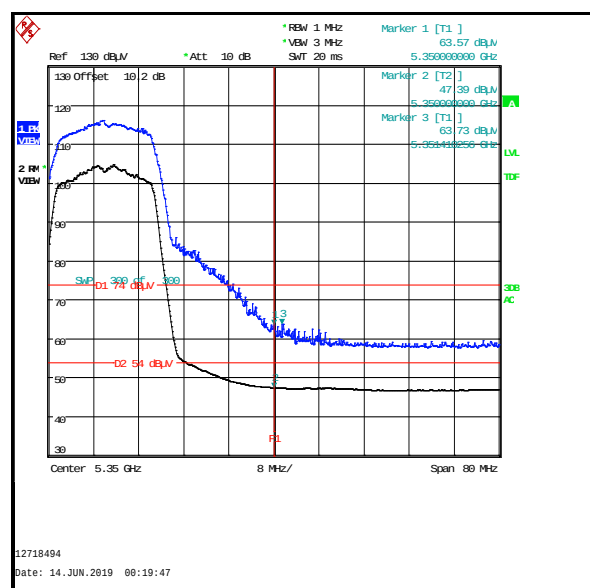
Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5350	63.6	74.0	10.4	Complied
5351.410	63.7	74.0	10.3	Complied

Results: Lower Band Edge / Average

Frequency (MHz)	Level (dB μ V/m)	Duty Cycle correction factor (dB)	Corrected Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5033.462	45.2	0.1	45.3	54.0	8.7	Complied
5150	45.7	0.1	45.8	54.0	8.2	Complied

Results: Upper Band Edge / Average

Frequency (MHz)	Level (dB μ V/m)	Duty Cycle correction factor (dB)	Corrected Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5350	47.4	0.1	47.5	54.0	6.5	Complied

**Lower Band Edge****Upper Band Edge**

Transmitter Band Edge Radiated Emissions (5.25-5.35 GHz band operation) (continued)**Results: 802.11n / 40 MHz / MIMO / 2Tx TXBF / BPSK / MCS0****Results: Lower Band Edge / Peak**

Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5018.526	59.5	74.0	14.5	Complied
5150	56.7	74.0	17.3	Complied

Results: Upper Band Edge / Peak

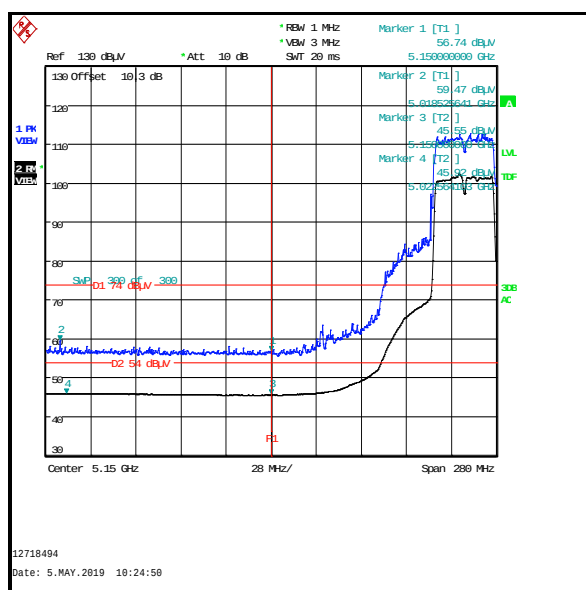
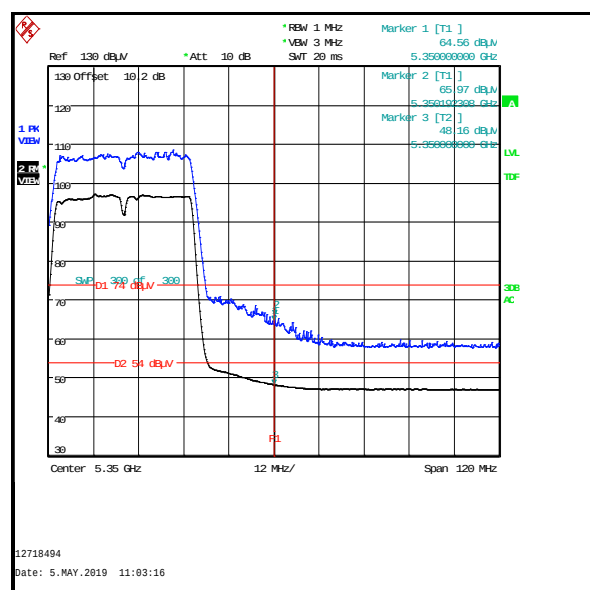
Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5350	64.6	74.0	9.4	Complied
5350.192	66.0	74.0	8.0	Complied

Results: Lower Band Edge / Average

Frequency (MHz)	Level (dB μ V/m)	Duty Cycle correction factor (dB)	Corrected Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5022.564	45.9	0.1	46.0	54.0	8.0	Complied
5150	45.6	0.1	45.7	54.0	8.3	Complied

Results: Upper Band Edge / Average

Frequency (MHz)	Level (dB μ V/m)	Duty Cycle correction factor (dB)	Corrected Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5350	48.2	0.1	48.3	54.0	5.7	Complied

**Lower Band Edge****Upper Band Edge**

Transmitter Band Edge Radiated Emissions (5.25-5.35 GHz band operation) (continued)**Results: 802.11ac / 80 MHz / MIMO / 2Tx TXBF / BPSK / MCS0x1****Results: Lower Band Edge / Peak**

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
4988.450	57.9	74.0	16.1	Complied
5150	55.8	74.0	18.2	Complied

Results: Upper Band Edge / Peak

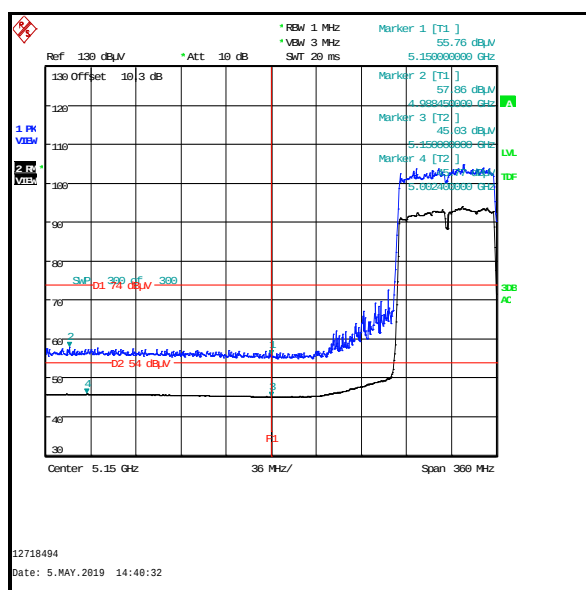
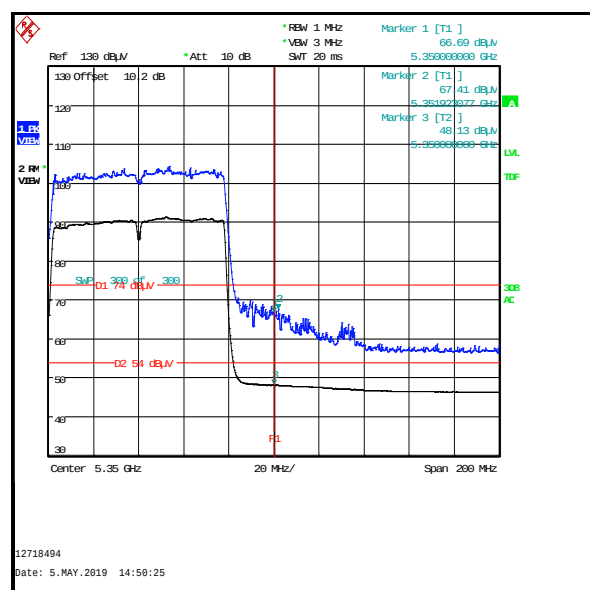
Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5350	66.7	74.0	7.3	Complied
5351.923	67.4	74.0	6.6	Complied

Results: Lower Band Edge / Average

Frequency (MHz)	Level (dBμV/m)	Duty Cycle correction factor (dB)	Corrected Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5002.400	45.8	0.1	45.9	54.0	8.1	Complied
5150	45.0	0.1	45.1	54.0	8.9	Complied

Results: Upper Band Edge / Average

Frequency (MHz)	Level (dBμV/m)	Duty Cycle correction factor (dB)	Corrected Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5350	48.1	0.1	48.2	54.0	5.8	Complied

**Lower Band Edge****Upper Band Edge**

Transmitter Band Edge Radiated Emissions (5.25-5.35 GHz band operation) (continued)**Results: 802.11n / 20 MHz / MIMO / 3Tx CDD / BPSK / MCS0****Results: Lower Band Edge / Peak**

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5059.615	58.2	74.0	15.8	Complied
5150	56.4	74.0	17.6	Complied

Results: Upper Band Edge / Peak

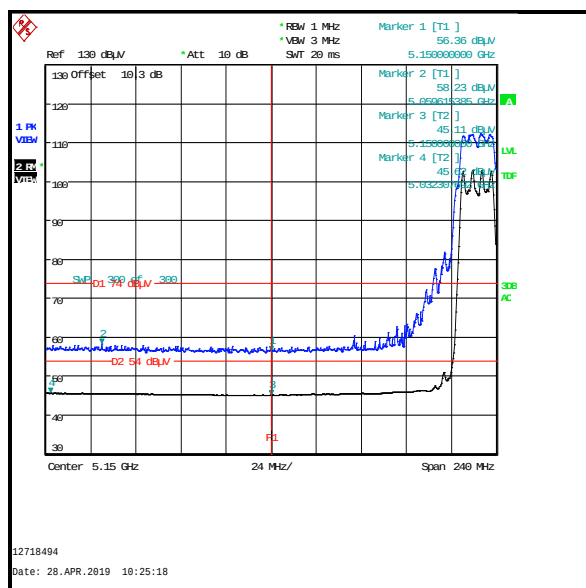
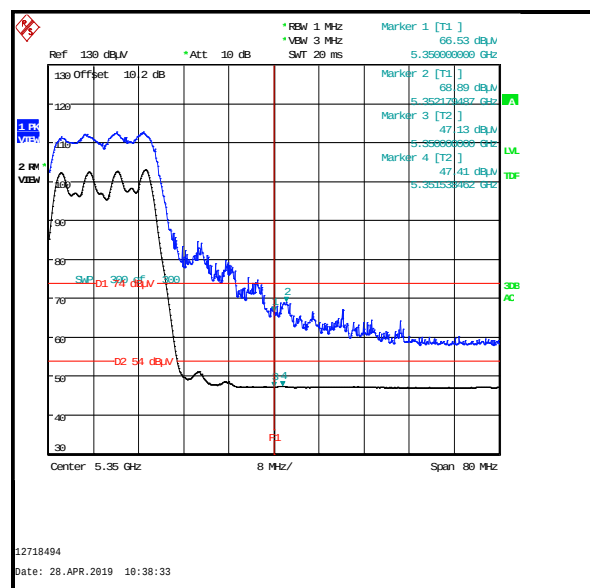
Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5350	66.5	74.0	7.5	Complied
5352.179	68.9	74.0	5.1	Complied

Results: Lower Band Edge / Average

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5032.308	45.6	54.0	8.4	Complied
5150	45.1	54.0	8.9	Complied

Results: Upper Band Edge / Average

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5350	47.1	54.0	6.9	Complied
5351.538	47.4	54.0	6.6	Complied

**Lower Band Edge****Upper Band Edge**

Transmitter Band Edge Radiated Emissions (5.25-5.35 GHz band operation) (continued)**Results: 802.11n / 40 MHz / MIMO / 3Tx CDD / BPSK / MCS0****Results: Lower Band Edge / Peak**

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5069.679	58.1	74.0	15.9	Complied
5150	56.8	74.0	17.2	Complied

Results: Upper Band Edge / Peak

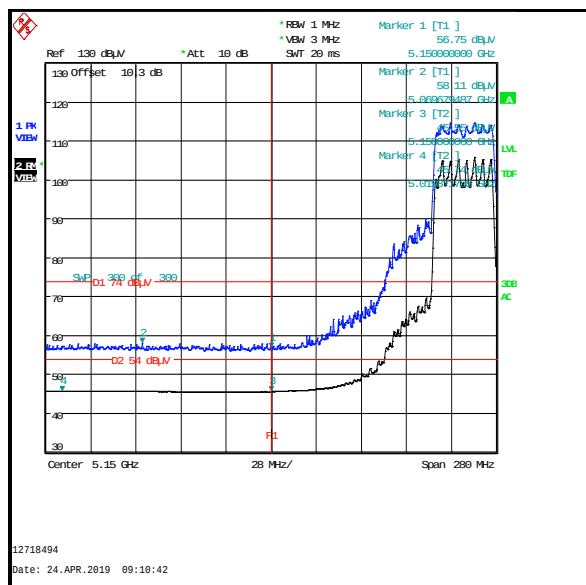
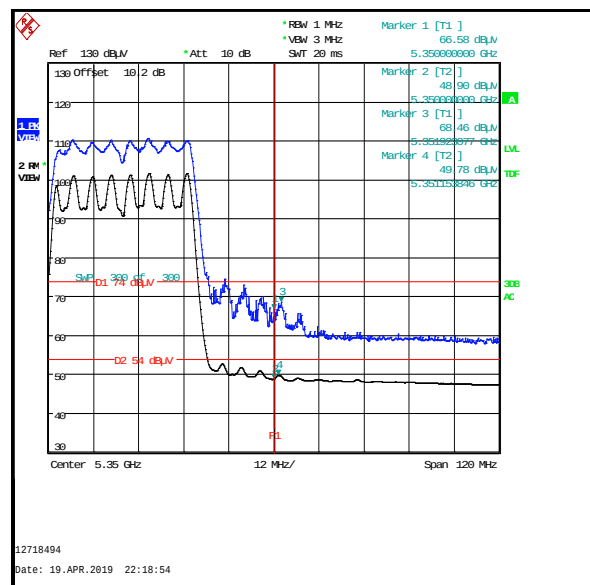
Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5350	66.6	74.0	7.4	Complied
5351.923	68.5	74.0	5.5	Complied

Results: Lower Band Edge / Average

Frequency (MHz)	Level (dBμV/m)	Duty Cycle correction factor (dB)	Corrected Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5019.372	45.7	0.1	45.8	54.0	8.2	Complied
5150	45.6	0.1	45.7	54.0	8.3	Complied

Results: Upper Band Edge / Average

Frequency (MHz)	Level (dBμV/m)	Duty Cycle correction factor (dB)	Corrected Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5350	48.9	0.1	49.0	54.0	5.0	Complied
5351.154	49.8	0.1	49.9	54.0	4.1	Complied

**Lower Band Edge****Upper Band Edge**

Transmitter Band Edge Radiated Emissions (5.25-5.35 GHz band operation) (continued)**Results: 802.11ac / 80 MHz / MIMO / 3Tx CDD / BPSK / MCS0x1****Results: Lower Band Edge / Peak**

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5068.654	57.6	74.0	16.4	Complied
5150	56.5	74.0	17.5	Complied

Results: Upper Band Edge / Peak

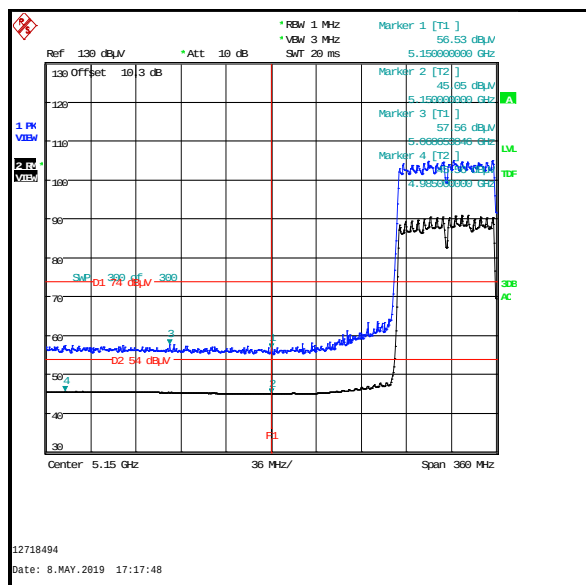
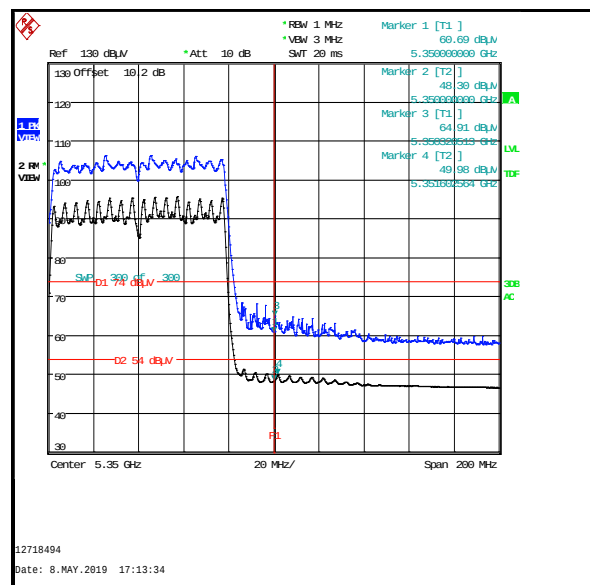
Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5350	60.7	74.0	13.3	Complied
5350.321	64.9	74.0	9.1	Complied

Results: Lower Band Edge / Average

Frequency (MHz)	Level (dBμV/m)	Duty Cycle correction factor (dB)	Corrected Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
4985.000	45.6	0.2	45.8	54.0	8.2	Complied
5150	45.1	0.2	45.3	54.0	8.7	Complied

Results: Upper Band Edge / Average

Frequency (MHz)	Level (dBμV/m)	Duty Cycle correction factor (dB)	Corrected Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5350	48.3	0.2	48.5	54.0	5.5	Complied
5351.603	50.0	0.2	50.2	54.0	3.8	Complied

**Lower Band Edge****Upper Band Edge**

Transmitter Band Edge Radiated Emissions (5.25-5.35 GHz band operation) (continued)**Results: 802.11n / 20 MHz / MIMO / 3Tx SDM / BPSK / MCS16****Results: Lower Band Edge / Peak**

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5063.846	57.8	74.0	16.2	Complied
5150	55.9	74.0	18.1	Complied

Results: Upper Band Edge / Peak

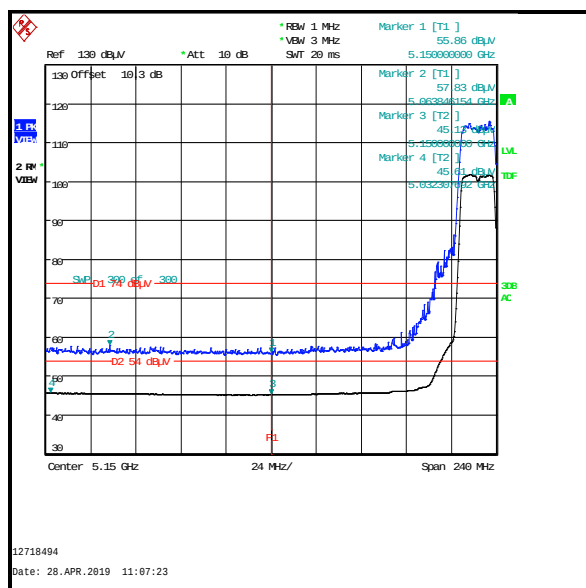
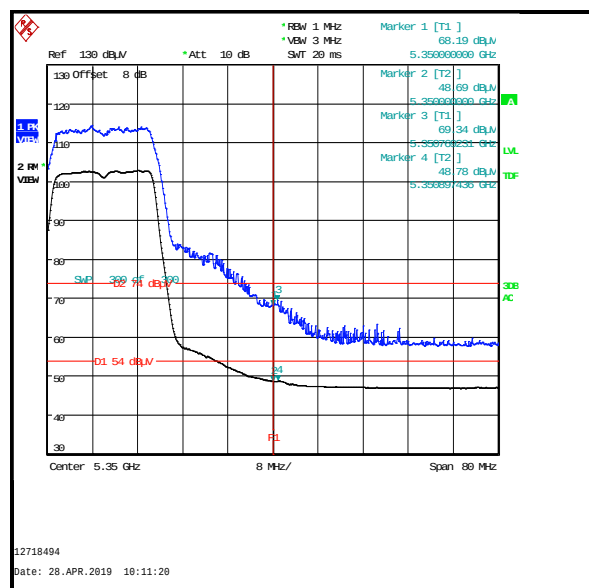
Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5350	68.2	74.0	5.8	Complied
5350.769	69.3	74.0	4.7	Complied

Results: Lower Band Edge / Average

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5032.308	45.6	54.0	8.4	Complied
5150	45.1	54.0	8.9	Complied

Results: Upper Band Edge / Average

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5350	48.7	54.0	5.3	Complied
5350.897	48.8	54.0	5.2	Complied

**Lower Band Edge****Upper Band Edge**

Transmitter Band Edge Radiated Emissions (5.25-5.35 GHz band operation) (continued)**Results: 802.11n / 40 MHz / MIMO / 3Tx SDM / BPSK / MCS16****Results: Lower Band Edge / Peak**

Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5050.833	59.2	74.0	14.8	Complied
5150	56.2	74.0	17.8	Complied

Results: Upper Band Edge / Peak

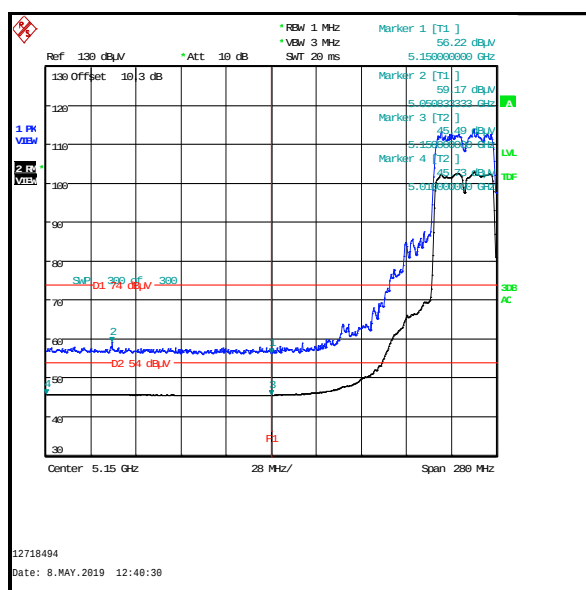
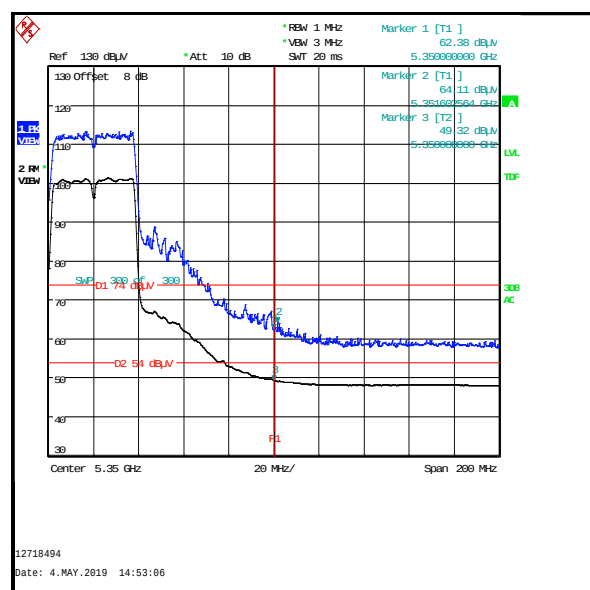
Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5350	62.4	74.0	11.6	Complied
5351.603	64.1	74.0	9.9	Complied

Results: Lower Band Edge / Average

Frequency (MHz)	Level (dB μ V/m)	Duty Cycle correction factor (dB)	Corrected Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5010.000	45.7	0.1	45.8	54.0	8.2	Complied
5150	45.5	0.1	45.6	54.0	8.4	Complied

Results: Upper Band Edge / Average

Frequency (MHz)	Level (dB μ V/m)	Duty Cycle correction factor (dB)	Corrected Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5350	49.3	0.1	49.4	54.0	4.6	Complied

**Lower Band Edge****Upper Band Edge**

Transmitter Band Edge Radiated Emissions (5.25-5.35 GHz band operation) (continued)**Results: 802.11ac / 80 MHz / MIMO / 3Tx SDM / BPSK / MCS0x3****Results: Lower Band Edge / Peak**

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5038.850	57.9	74.0	16.1	Complied
5150	56.0	74.0	18.0	Complied

Results: Upper Band Edge / Peak

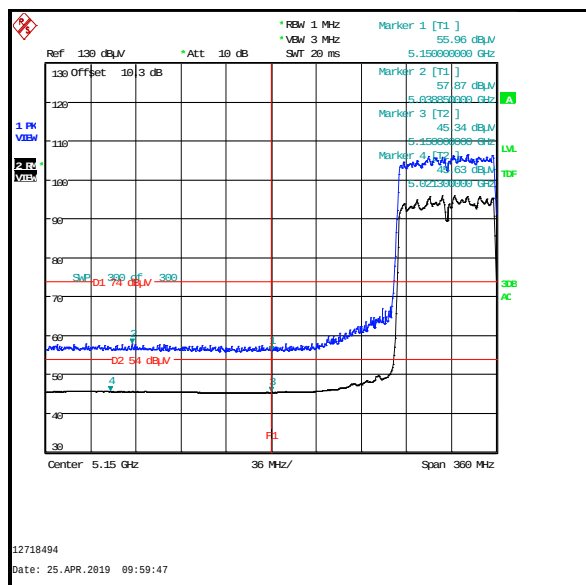
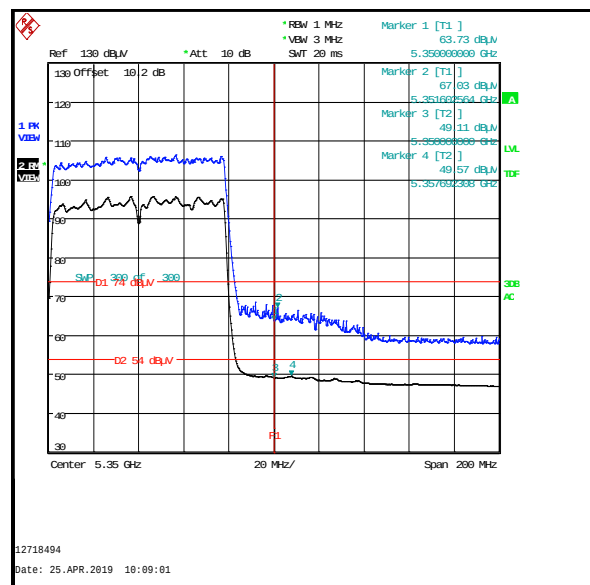
Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5350	63.7	74.0	10.3	Complied
5351.603	67.0	74.0	7.0	Complied

Results: Lower Band Edge / Average

Frequency (MHz)	Level (dBμV/m)	Duty Cycle correction factor (dB)	Corrected Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5021.300	45.6	0.2	45.8	54.0	8.2	Complied
5150	45.3	0.2	45.5	54.0	8.5	Complied

Results: Upper Band Edge / Average

Frequency (MHz)	Level (dBμV/m)	Duty Cycle correction factor (dB)	Corrected Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5350	49.1	0.2	49.3	54.0	4.7	Complied
5357.692	49.6	0.2	49.8	54.0	4.2	Complied

**Lower Band Edge****Upper Band Edge**

Transmitter Band Edge Radiated Emissions (5.25-5.35 GHz band operation) (continued)**Results: 802.11n / 20 MHz / MIMO / 3Tx TXBF / BPSK / MCS0****Results: Lower Band Edge / Peak**

Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5030.769	59.4	74.0	14.6	Complied
5150	55.7	74.0	18.3	Complied

Results: Upper Band Edge / Peak

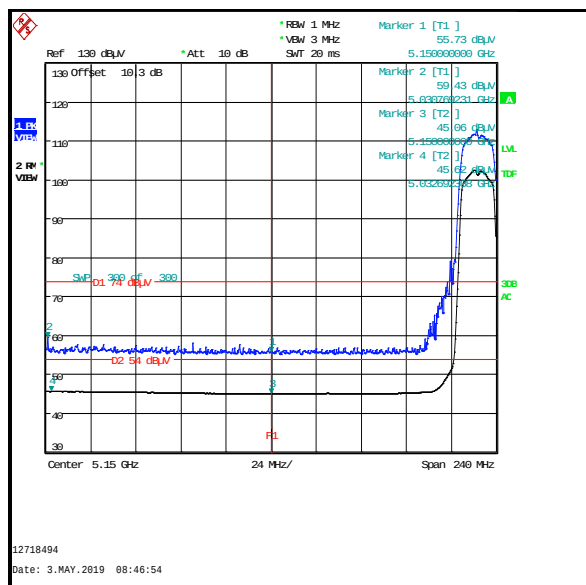
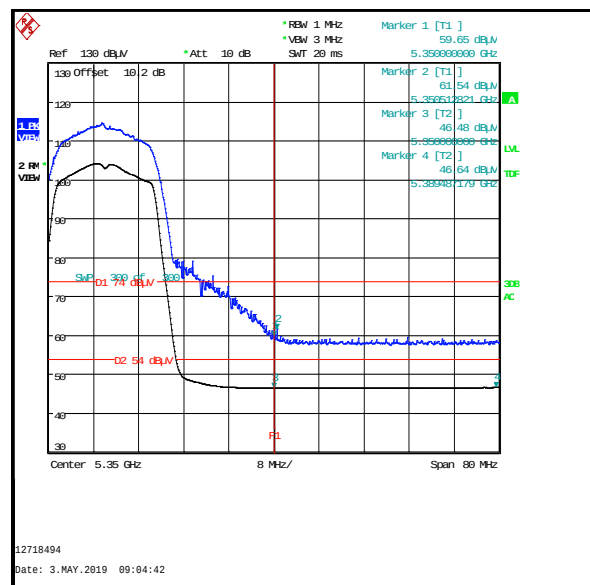
Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5350	59.7	74.0	14.3	Complied
5350.513	61.5	74.0	12.5	Complied

Results: Lower Band Edge / Average

Frequency (MHz)	Level (dB μ V/m)	Duty Cycle correction factor (dB)	Corrected Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5032.692	45.6	0.1	45.7	54.0	8.3	Complied
5150	45.1	0.1	45.2	54.0	8.8	Complied

Results: Upper Band Edge / Average

Frequency (MHz)	Level (dB μ V/m)	Duty Cycle correction factor (dB)	Corrected Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5350	46.5	0.1	46.6	54.0	7.4	Complied
5389.487	46.6	0.1	46.7	54.0	7.3	Complied

**Lower Band Edge****Upper Band Edge**

Transmitter Band Edge Radiated Emissions (5.25-5.35 GHz band operation) (continued)**Results: 802.11n / 40 MHz / MIMO / 3Tx TXBF / BPSK / MCS0****Results: Lower Band Edge / Peak**

Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5041.410	58.2	74.0	15.8	Complied
5150	55.7	74.0	18.3	Complied

Results: Upper Band Edge / Peak

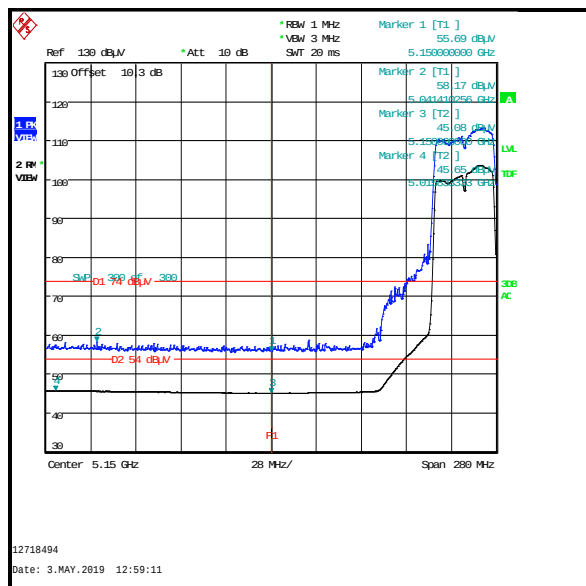
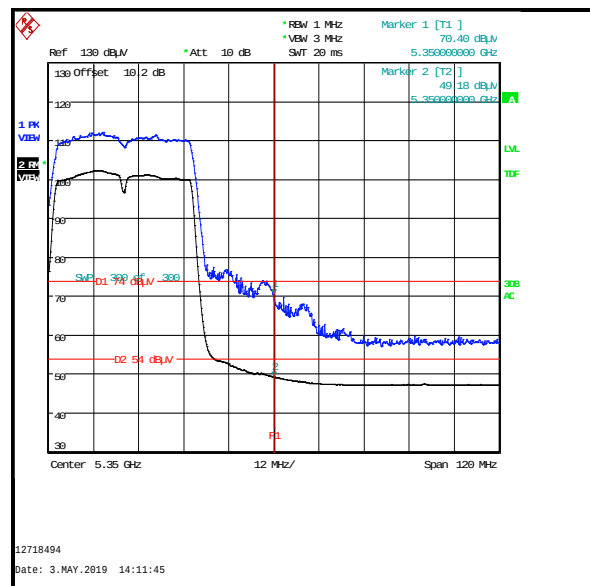
Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5350	70.4	74.0	3.6	Complied

Results: Lower Band Edge / Average

Frequency (MHz)	Level (dB μ V/m)	Duty Cycle correction factor (dB)	Corrected Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5015.833	45.7	0.1	45.8	54.0	8.2	Complied
5150	45.1	0.1	45.2	54.0	8.8	Complied

Results: Upper Band Edge / Average

Frequency (MHz)	Level (dB μ V/m)	Duty Cycle correction factor (dB)	Corrected Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5350	49.2	0.1	49.3	54.0	4.7	Complied

**Lower Band Edge****Upper Band Edge**

Transmitter Band Edge Radiated Emissions (5.25-5.35 GHz band operation) (continued)**Results: 802.11ac / 80 MHz / MIMO / 3Tx TXBF / BPSK / MCS0x1****Results: Lower Band Edge / Peak**

Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5070.350	58.0	74.0	16.0	Complied
5150	55.5	74.0	18.5	Complied

Results: Upper Band Edge / Peak

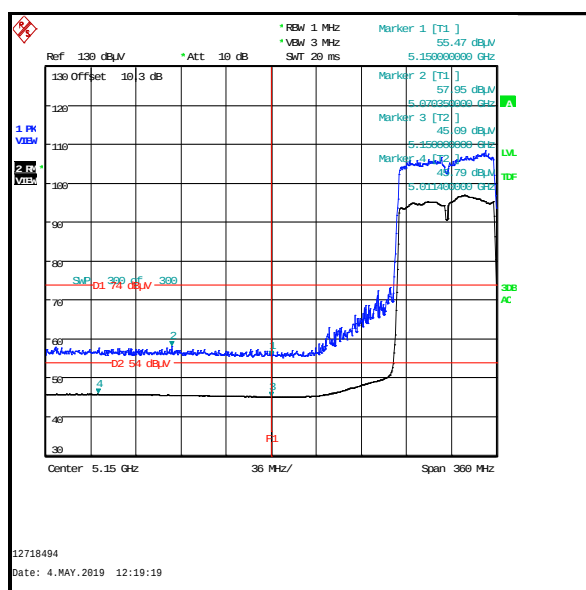
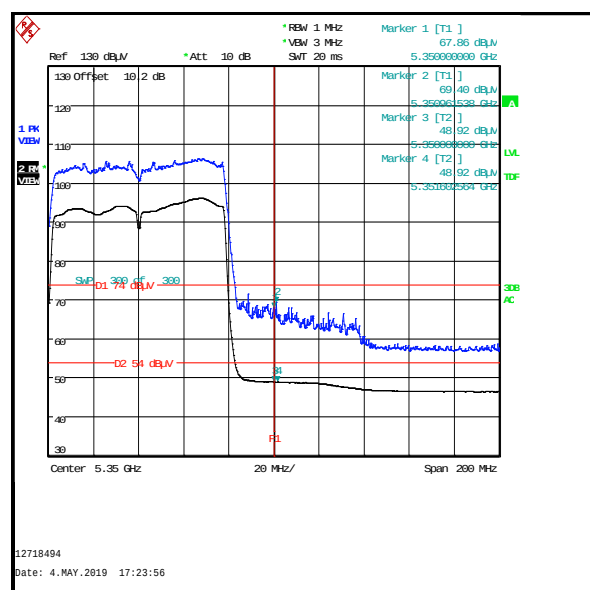
Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5350	67.9	74.0	6.1	Complied
5350.962	69.4	74.0	4.6	Complied

Results: Lower Band Edge / Average

Frequency (MHz)	Level (dB μ V/m)	Duty Cycle correction factor (dB)	Corrected Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5011.400	45.8	0.1	45.9	54.0	8.1	Complied
5150	45.1	0.1	45.2	54.0	8.8	Complied

Results: Upper Band Edge / Average

Frequency (MHz)	Level (dB μ V/m)	Duty Cycle correction factor (dB)	Corrected Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5350	48.9	0.1	49.0	54.0	5.0	Complied

**Lower Band Edge****Upper Band Edge**

Transmitter Band Edge Radiated Emissions (5.47-5.725 GHz band)**5.3.3. 5.47-5.725 GHz band****Test Summary:**

Test Engineers:	Andrew Edwards, Mohamed Toubella, James O'Reilly, Mark Perry, John Ferdinand, Tom Sleigh, Nick Steele, Marco Zunarelli & Andrew Harding	Test Dates:	19 April 2019 to 14 June 2019
Test Sample Serial Numbers:	C02YF00CMFLF & C02YD006MFLQ		

FCC Reference:	P arts 15.407(b)(3),(7), 15.205 & 15.209(a)
Test Method Used:	ANSI C63.10 Section 6.10 & KDB 789033 II.G.

Environmental Conditions:

Temperature (°C):	22 to 26
Relative Humidity (%):	31 to 45

Transmitter Band Edge Radiated Emissions (5.47-5.725 GHz band operation) (continued)**Note(s):**

1. The following modes were tested:
 - o 802.11a - BPSK / 6 Mbps / Core 0
 - o 802.11n HT20 / SISO - BPSK / MCS0 / Core 0
 - o 802.11n HT40 / SISO - BPSK / MCS0 / Core 0
 - o 802.11ac VHT80 / SISO – BPSK / MCS0x1 / Core 0
 - o 802.11n HT20 / MIMO / 2Tx CDD - BPSK / MCS0
 - o 802.11n HT40 / MIMO / 2Tx CDD - BPSK / MCS0
 - o 802.11ac VHT80 / MIMO / 2Tx CDD - BPSK / MCS0x1
 - o 802.11n HT20 / MIMO / 2Tx SDM - BPSK / MCS8
 - o 802.11n HT40 / MIMO / 2Tx SDM - BPSK / MCS8
 - o 802.11ac VHT80 / MIMO / 2Tx SDM - BPSK / MCS0x2
 - o 802.11n HT20 / MIMO / 2Tx TXBF - BPSK / MCS0
 - o 802.11n HT40 / MIMO / 2Tx TXBF - BPSK / MCS0
 - o 802.11ac VHT80 / MIMO / 2Tx TXBF - BPSK / MCS0x1
 - o 802.11n HT20 / MIMO / 3Tx CDD - BPSK / MCS0
 - o 802.11n HT40 / MIMO / 3Tx CDD - BPSK / MCS0
 - o 802.11ac VHT80 / MIMO / 3Tx CDD - BPSK / MCS0x1
 - o 802.11n HT20 / MIMO / 3Tx SDM - BPSK / MCS16
 - o 802.11n HT40 / MIMO / 3Tx SDM - BPSK / MCS16
 - o 802.11ac VHT80 / MIMO / 3Tx SDM - BPSK / MCS0x3
 - o 802.11n HT20 / MIMO / 3Tx TXBF - BPSK / MCS0
 - o 802.11n HT40 / MIMO / 3Tx TXBF - BPSK / MCS0
 - o 802.11ac VHT80 / MIMO / 3Tx TXBF - BPSK / MCS0x1
2. Lower band edge measurements were performed with the EUT transmitting on the bottom channel. Upper band edge measurements were performed with the EUT transmitting on the top channel.
3. For transmitters operating in the 5.47-5.725 GHz band: all emissions outside of the 5.47-5.725 GHz band shall not exceed an EIRP of -27 dBm/MHz. However, there are restricted bands of operation below the lower band edge at 4.5-5.15 GHz and also at 5.35-5.46 GHz therefore the provisions of FCC Part 15.205 apply. Tests were performed in these restricted bands of operation with the EUT transmitting on the bottom and top channels within 5.47-5.725 GHz band, the results are included in the transmitter 5.725-5.85 GHz band radiated spurious emissions section of this test report.
4. For completeness, results are also shown as EIRP in dBm and also as field strength in dBμV/m. Measured field strength was converted to EIRP in accordance with KDB 789033 II.G.2.c)(iii) using a conversion factor of 95.2.
5. As straddle channels overlap the upper band edge at 5725 MHz, additional testing was performed in accordance with KDB 789033 III.B.2.b)(iii) which required compliance of overlapping channels to an unwanted emission level of -27 dBm/MHz at 5850 MHz instead of 5725 MHz.

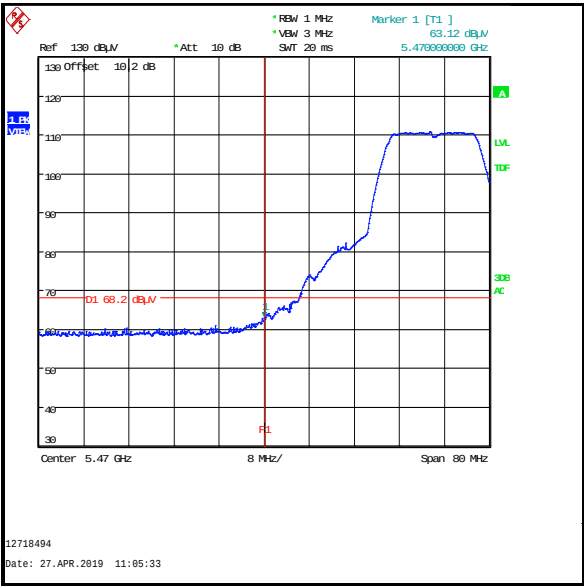
Transmitter Band Edge Radiated Emissions (5.47-5.725 GHz band operation) (continued)**Results: 802.11a / 20 MHz / SISO / BPSK / 6 Mbps / Core 0 / Peak**

Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Result
5470	-32.1	-27.0	5.1	Complied
5725	-33.8	-27.0	6.8	Complied
5726.010	-32.0	-27.0	5.0	Complied
5850	-37.5	-27.0	10.5	Complied
5903.397	-35.9	-27.0	8.9	Complied

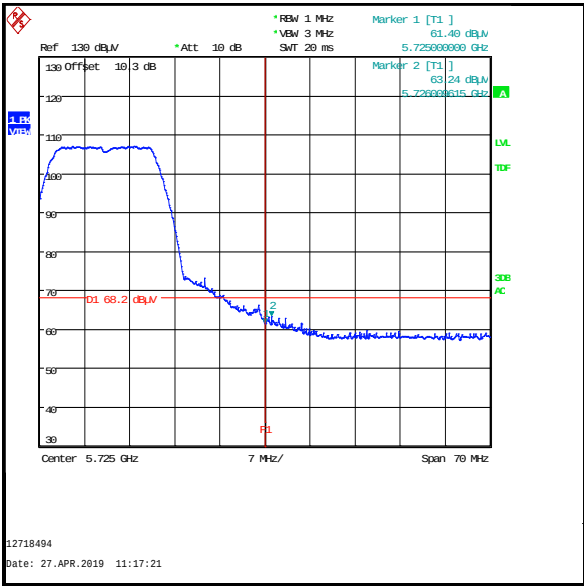
Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5470	63.1	68.2	5.1	Complied
5725	61.4	68.2	6.8	Complied
5726.010	63.2	68.2	5.0	Complied
5850	57.7	68.2	10.5	Complied
5903.397	59.3	68.2	8.9	Complied

Transmitter Band Edge Radiated Emissions (5.47-5.725 GHz band operation) (continued)

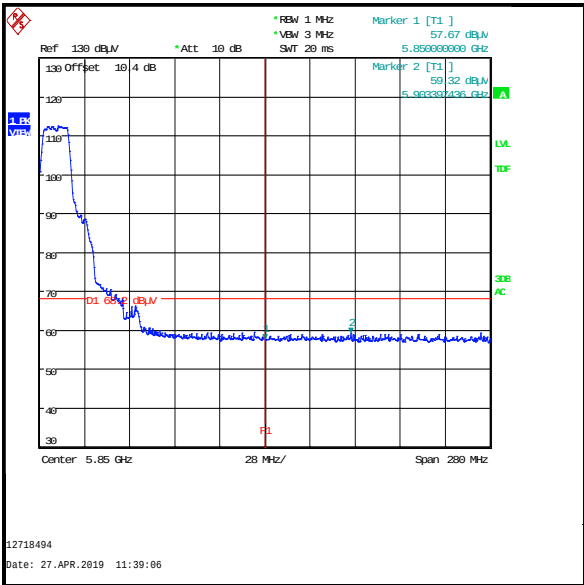
Results: 802.11a / 20 MHz / SISO / BPSK / 6 Mbps / Core 0 / Peak



Lower Band Edge



Upper Band Edge



Straddle Channel emission level at 5850 MHz

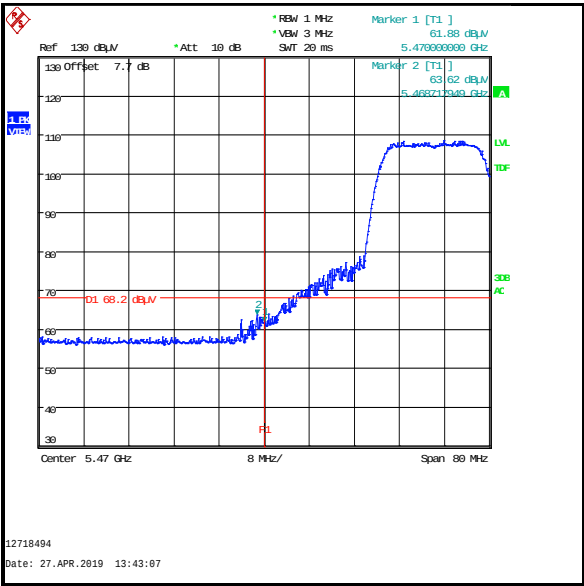
Transmitter Band Edge Radiated Emissions (5.47-5.725 GHz band operation) (continued)**Results: 802.11n / 20 MHz / SISO / BPSK / MCS0 / Core 0 / Peak**

Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Result
5468.718	-31.6	-27.0	4.6	Complied
5470	-33.3	-27.0	6.3	Complied
5725	-35.1	-27.0	8.1	Complied
5725.337	-31.7	-27.0	4.7	Complied
5850	-36.8	-27.0	9.8	Complied
5853.141	-36.1	-27.0	9.1	Complied

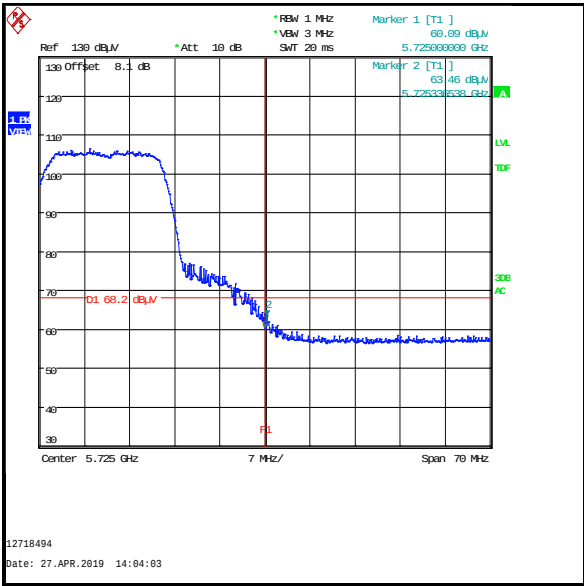
Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5468.718	63.6	68.2	4.6	Complied
5470	61.9	68.2	6.3	Complied
5725	60.1	68.2	8.1	Complied
5725.337	63.5	68.2	4.7	Complied
5850	58.4	68.2	9.8	Complied
5853.141	59.1	68.2	9.1	Complied

Transmitter Band Edge Radiated Emissions (5.47-5.725 GHz band operation) (continued)

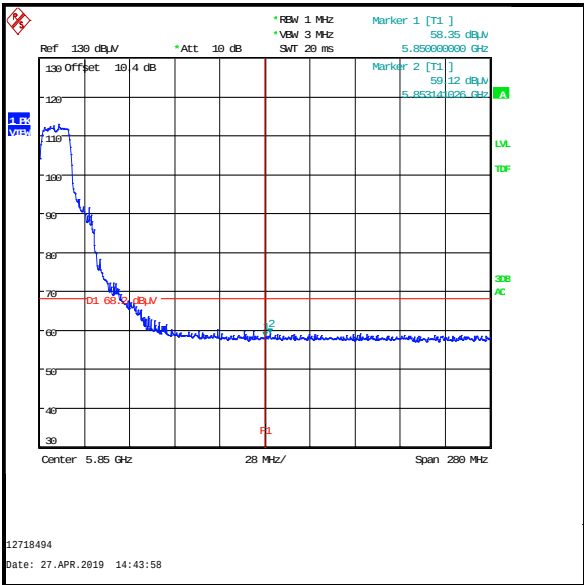
Results: 802.11n / 20 MHz / SISO / BPSK / MCS0 / Core 0 / Peak



Lower Band Edge



Upper Band Edge



Straddle Channel emission level at 5850 MHz

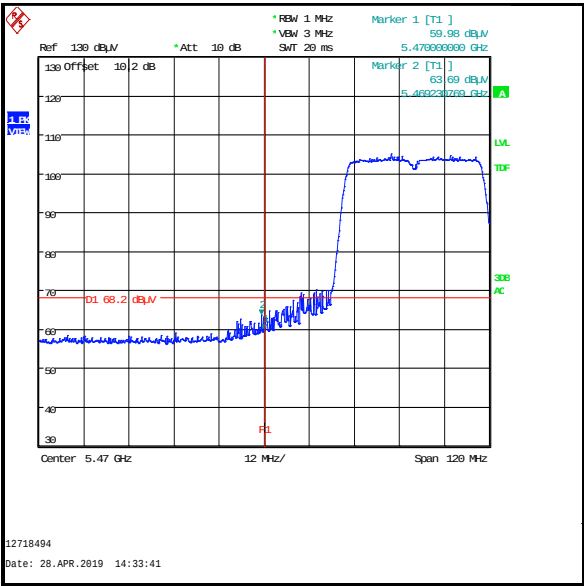
Transmitter Band Edge Radiated Emissions (5.47-5.725 GHz band operation) (continued)**Results: 802.11n / 40 MHz / SISO / BPSK / MCS0 / Core 0 / Peak**

Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Result
5469.231	-31.5	-27.0	4.5	Complied
5470	-35.2	-27.0	8.2	Complied
5725	-33.8	-27.0	6.8	Complied
5725.481	-31.5	-27.0	4.5	Complied
5850	-35.0	-27.0	8.0	Complied
5851.026	-34.2	-27.0	7.2	Complied

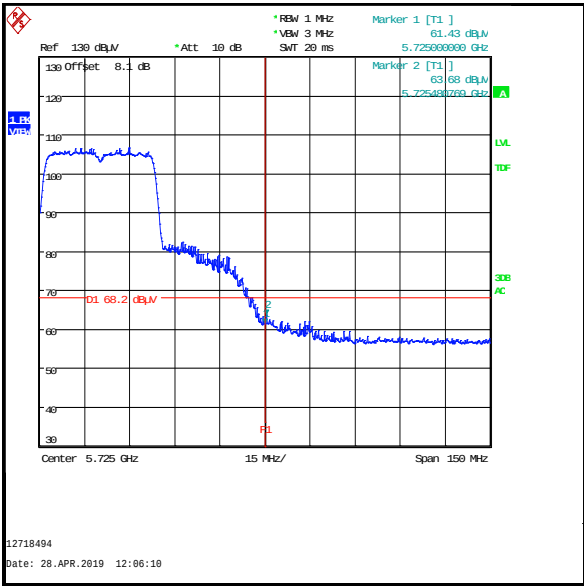
Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5469.231	63.7	68.2	4.5	Complied
5470	60.0	68.2	8.2	Complied
5725	61.4	68.2	6.8	Complied
5725.481	63.7	68.2	4.5	Complied
5850	60.2	68.2	8.0	Complied
5851.026	61.0	68.2	7.2	Complied

Transmitter Band Edge Radiated Emissions (5.47-5.725 GHz band operation) (continued)

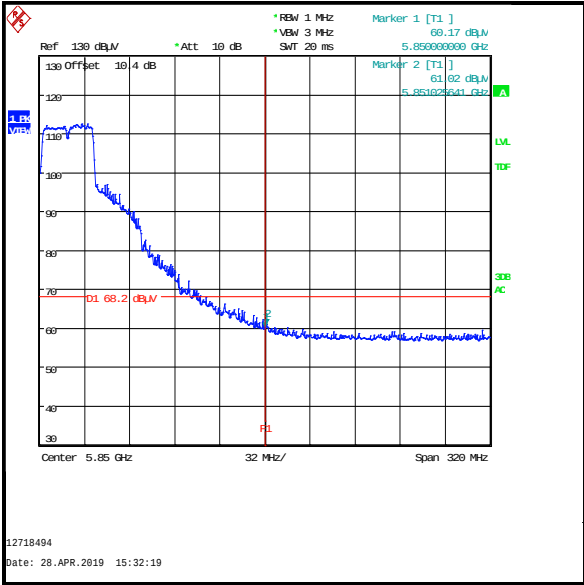
Results: 802.11n / 40 MHz / SISO / BPSK / MCS0 / Core 0 / Peak



Lower Band Edge



Upper Band Edge



Straddle Channel emission level at 5850 MHz

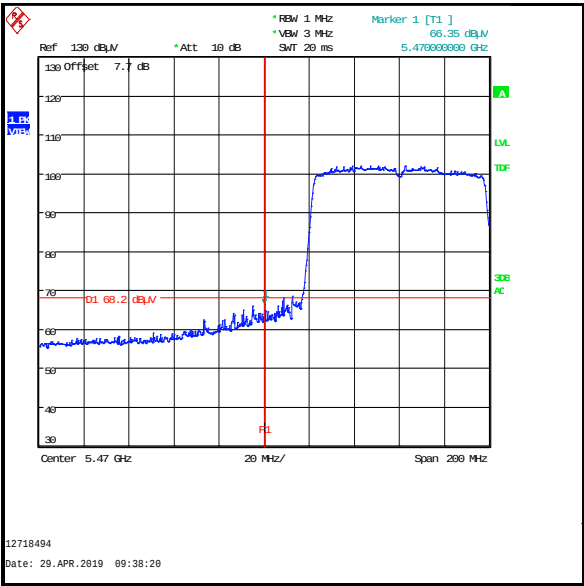
Transmitter Band Edge Radiated Emissions (5.47-5.725 GHz band operation) (continued)**Results: 802.11ac / 80 MHz / SISO / BPSK / MCS0 / Core 0 / Peak**

Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Result
5470	-28.8	-27.0	1.8	Complied
5725	-37.4	-27.0	10.4	Complied
5733.842	-34.8	-27.0	7.8	Complied
5850	-32.3	-27.0	5.3	Complied

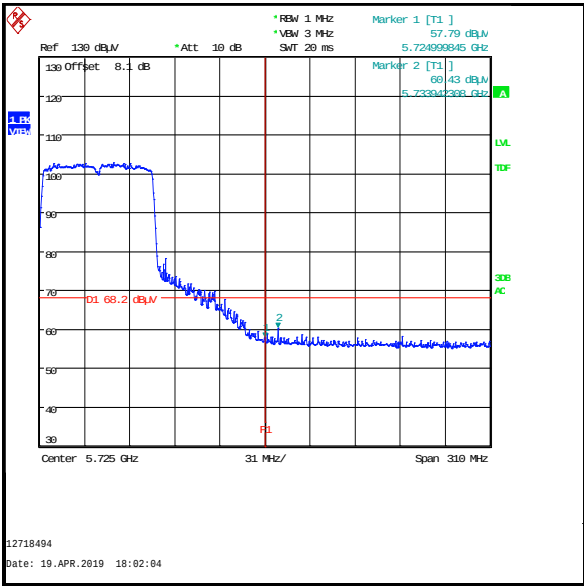
Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5470	66.4	68.2	1.8	Complied
5725	57.8	68.2	10.4	Complied
5733.842	60.4	68.2	7.8	Complied
5850	62.9	68.2	5.3	Complied

Transmitter Band Edge Radiated Emissions (5.47-5.725 GHz band operation) (continued)

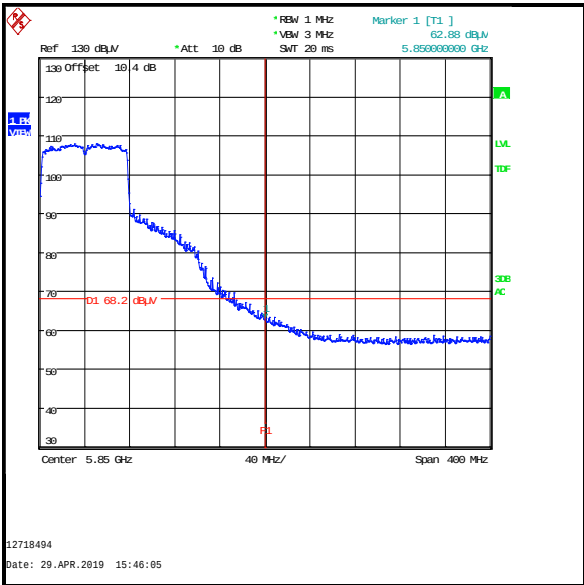
Results: 802.11ac / 80 MHz / SISO / BPSK / MCS0 / Core 0 / Peak



Lower Band Edge



Upper Band Edge



Straddle Channel emission level at 5850 MHz

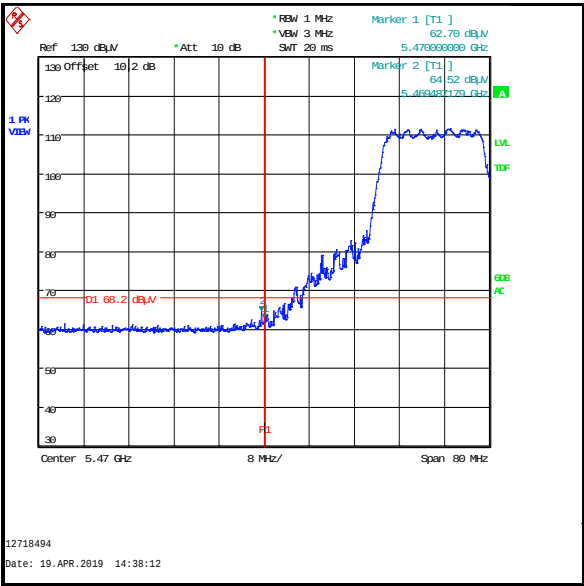
Transmitter Band Edge Radiated Emissions (5.47-5.725 GHz band operation) (continued)**Results: 802.11n / 20 MHz / MIMO / 2Tx CDD / BPSK / MCS0 / Peak**

Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Result
5469.487	-30.7	-27.0	3.7	Complied
5470	-32.5	-27.0	5.5	Complied
5725	-35.3	-27.0	8.3	Complied
5725.224	-30.9	-27.0	3.9	Complied
5850	-37.8	-27.0	10.8	Complied
5869.295	-35.5	-27.0	8.5	Complied

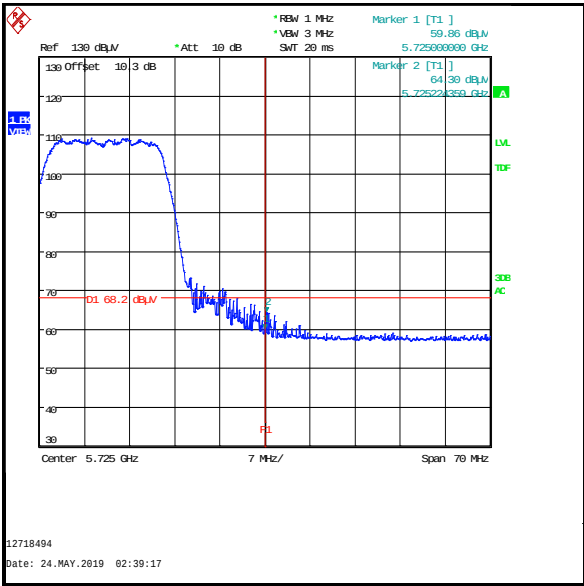
Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5469.487	64.5	68.2	3.7	Complied
5470	62.7	68.2	5.5	Complied
5725	59.9	68.2	8.3	Complied
5725.224	64.3	68.2	3.9	Complied
5850	57.4	68.2	10.8	Complied
5869.295	59.7	68.2	8.5	Complied

Transmitter Band Edge Radiated Emissions (5.47-5.725 GHz band operation) (continued)

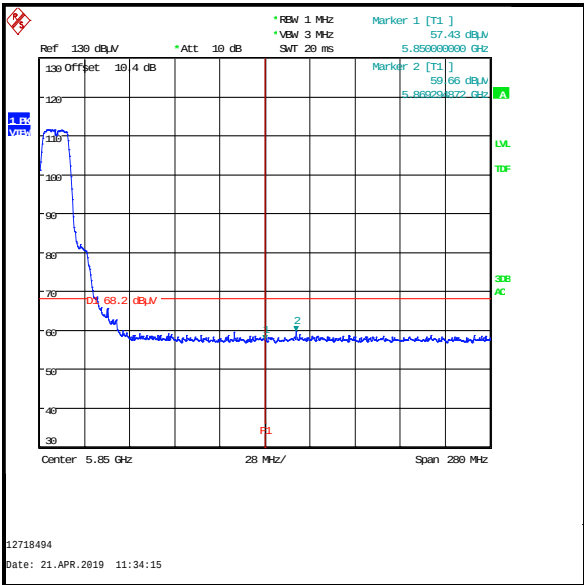
Results: 802.11n / 20 MHz / MIMO / 2Tx CDD / BPSK / MCS0 / Peak



Lower Band Edge



Upper Band Edge



Straddle Channel emission level at 5850 MHz

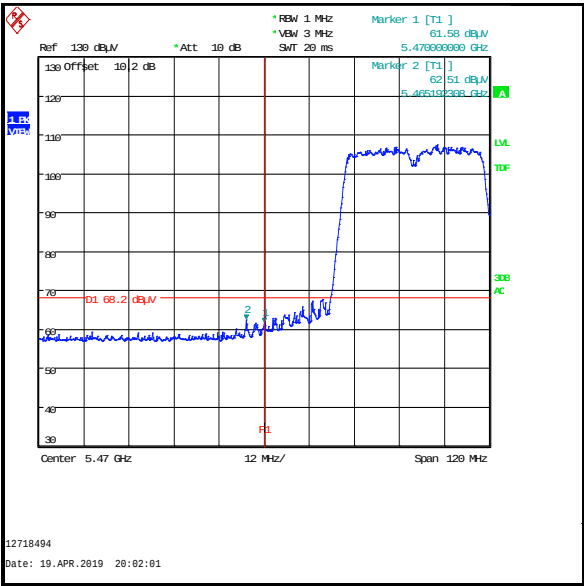
Transmitter Band Edge Radiated Emissions (5.47-5.725 GHz band operation) (continued)**Results: 802.11n / 40 MHz / MIMO / 2Tx CDD / BPSK / MCS0 / Peak**

Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Result
5465.192	-32.7	-27.0	5.7	Complied
5470	-33.6	-27.0	6.6	Complied
5725	-36.8	-27.0	9.8	Complied
5726.683	-32.5	-27.0	5.5	Complied
5850	-37.2	-27.0	10.2	Complied
5947.436	-36.2	-27.0	9.2	Complied

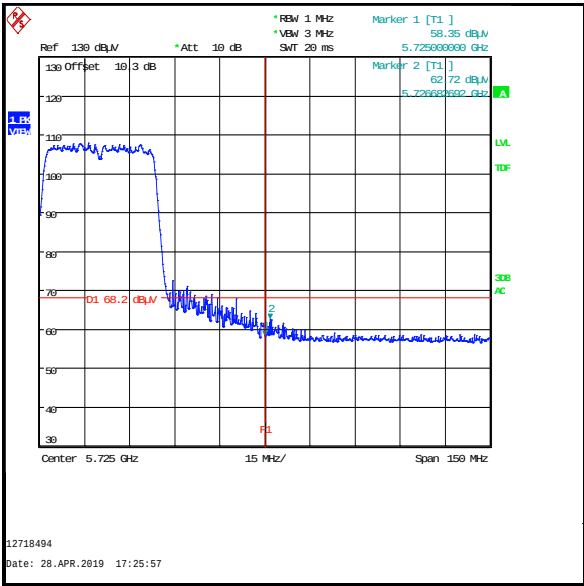
Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5465.192	62.5	68.2	5.7	Complied
5470	61.6	68.2	6.6	Complied
5725	58.4	68.2	9.8	Complied
5726.683	62.7	68.2	5.5	Complied
5850	58.0	68.2	10.2	Complied
5947.436	59.0	68.2	9.2	Complied

Transmitter Band Edge Radiated Emissions (5.47-5.725 GHz band operation) (continued)

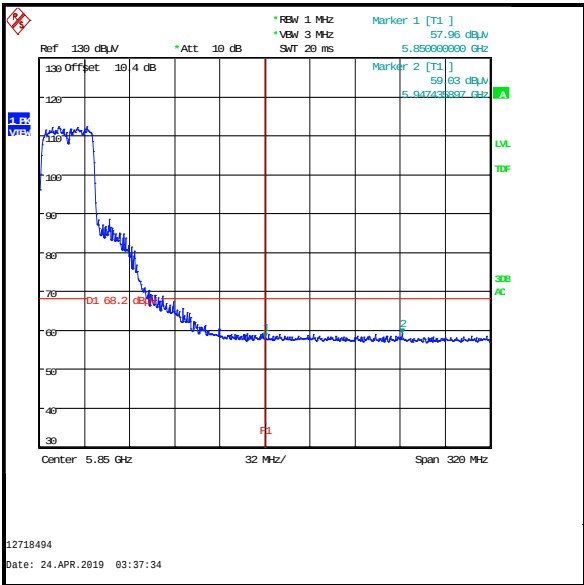
Results: 802.11n / 40 MHz / MIMO / 2Tx CDD / BPSK / MCS0 / Peak



Lower Band Edge



Upper Band Edge



Straddle Channel emission level at 5850 MHz

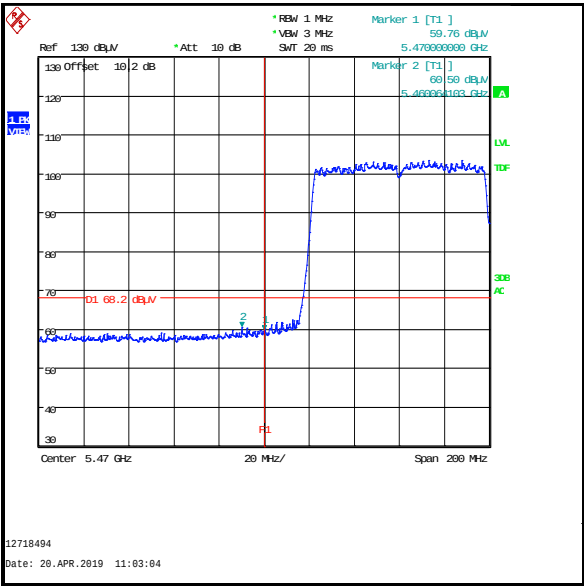
Transmitter Band Edge Radiated Emissions (5.47-5.725 GHz band operation) (continued)**Results: 802.11ac / 80 MHz / MIMO / 2Tx CDD / BPSK / MCS0x1 / Peak**

Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Result
5460.064	-34.7	-27.0	7.7	Complied
5470	-35.4	-27.0	8.4	Complied
5725	-31.5	-27.0	4.5	Complied
5731.458	-31.1	-27.0	4.1	Complied
5850	-34.3	-27.0	7.3	Complied
5852.564	-32.9	-27.0	5.9	Complied

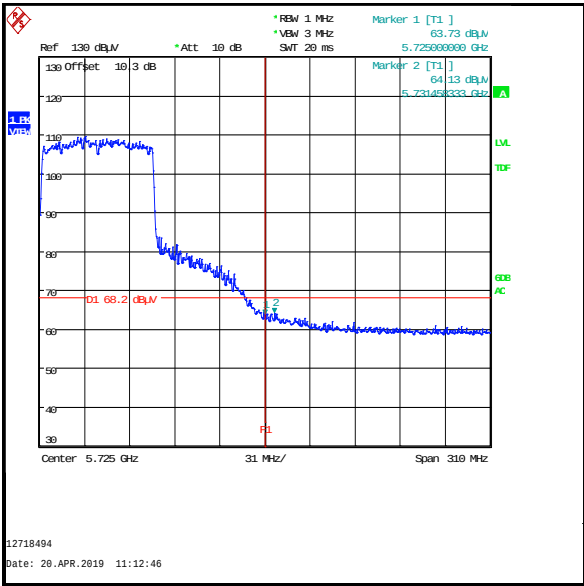
Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5460.064	60.5	68.2	7.7	Complied
5470	59.8	68.2	8.4	Complied
5725	63.7	68.2	4.5	Complied
5731.458	64.1	68.2	4.1	Complied
5850	60.9	68.2	7.3	Complied
5852.564	62.3	68.2	5.9	Complied

Transmitter Band Edge Radiated Emissions (5.47-5.725 GHz band operation) (continued)

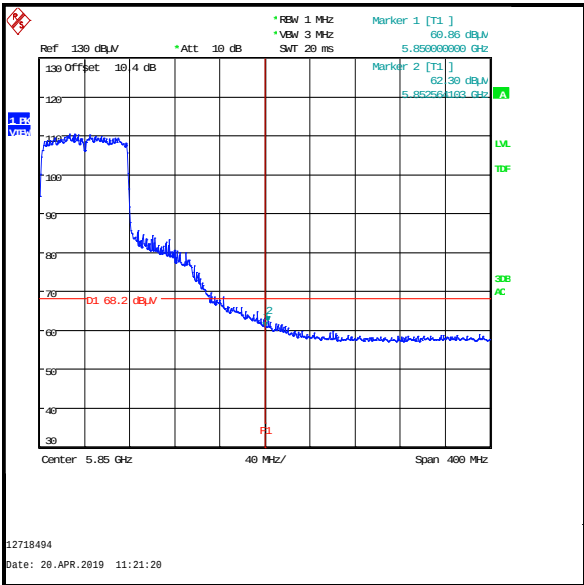
Results: 802.11ac / 80 MHz / MIMO / 2Tx CDD / BPSK / MCS0x1 / Peak



Lower Band Edge



Upper Band Edge



Straddle Channel emission level at 5850 MHz

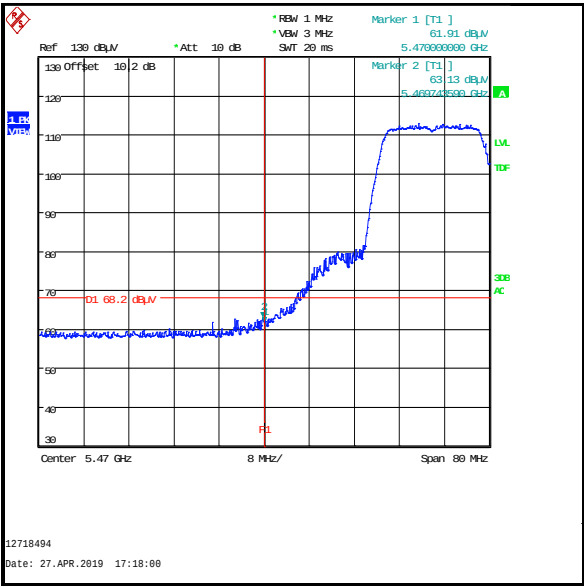
Transmitter Band Edge Radiated Emissions (5.47-5.725 GHz band operation) (continued)**Results: 802.11n / 20 MHz / MIMO / 2Tx SDM / BPSK / MCS8 / Peak**

Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Result
5469.744	-32.1	-27.0	5.1	Complied
5470	-33.3	-27.0	6.3	Complied
5725	-34.5	-27.0	7.5	Complied
5725.673	-31.9	-27.0	4.9	Complied
5850	-37.7	-27.0	10.7	Complied
5928.526	-36.1	-27.0	9.1	Complied

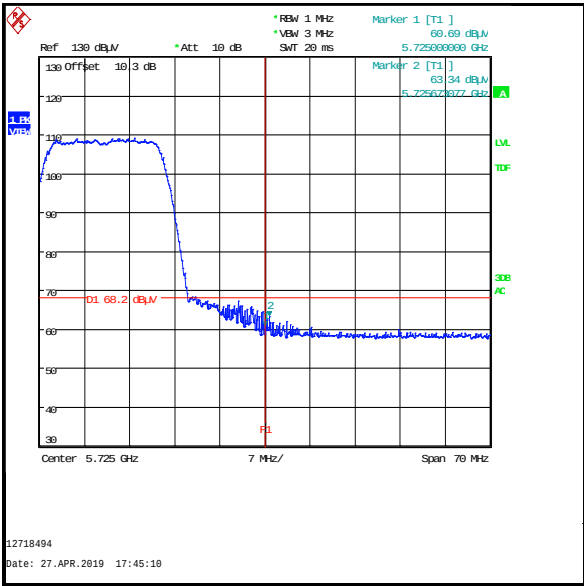
Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5469.744	63.1	68.2	5.1	Complied
5470	61.9	68.2	6.3	Complied
5725	60.7	68.2	7.5	Complied
5725.673	63.3	68.2	4.9	Complied
5850	57.5	68.2	10.7	Complied
5928.526	59.1	68.2	9.1	Complied

Transmitter Band Edge Radiated Emissions (5.47-5.725 GHz band operation) (continued)

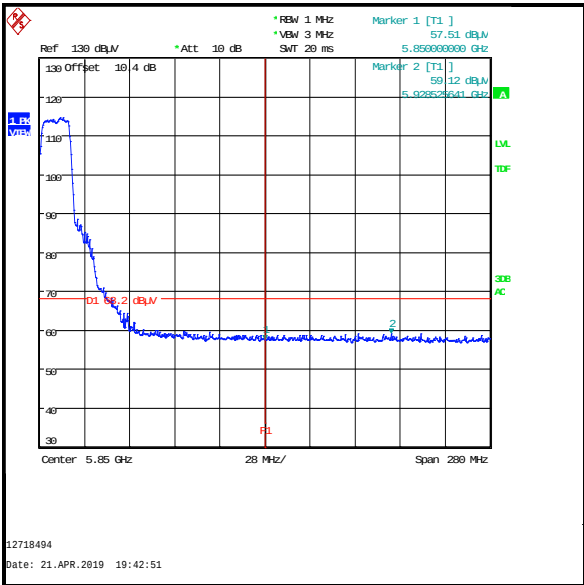
Results: 802.11n / 20 MHz / MIMO / 2Tx SDM / BPSK / MCS8 / Peak



Lower Band Edge



Upper Band Edge



Straddle Channel emission level at 5850 MHz

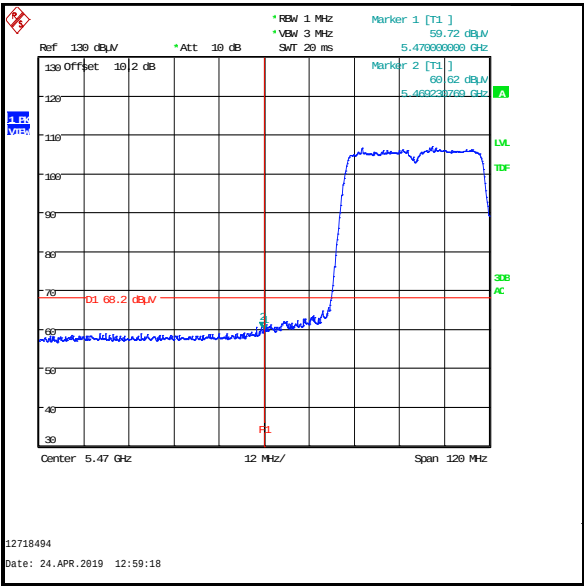
Transmitter Band Edge Radiated Emissions (5.47-5.725 GHz band operation) (continued)**Results: 802.11n / 40 MHz / MIMO / 2Tx SDM / BPSK / MCS8 / Peak**

Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Result
5469.231	-34.6	-27.0	7.6	Complied
5470	-35.5	-27.0	8.5	Complied
5725	-32.2	-27.0	5.2	Complied
5850	-37.6	-27.0	10.6	Complied
5851.538	-35.3	-27.0	8.3	Complied

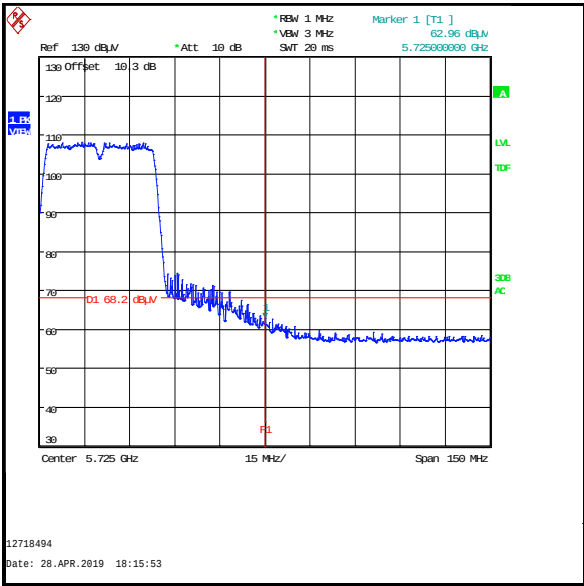
Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5469.231	60.6	68.2	7.6	Complied
5470	59.7	68.2	8.5	Complied
5725	63.0	68.2	5.2	Complied
5850	57.6	68.2	10.6	Complied
5851.538	59.9	68.2	8.3	Complied

Transmitter Band Edge Radiated Emissions (5.47-5.725 GHz band operation) (continued)

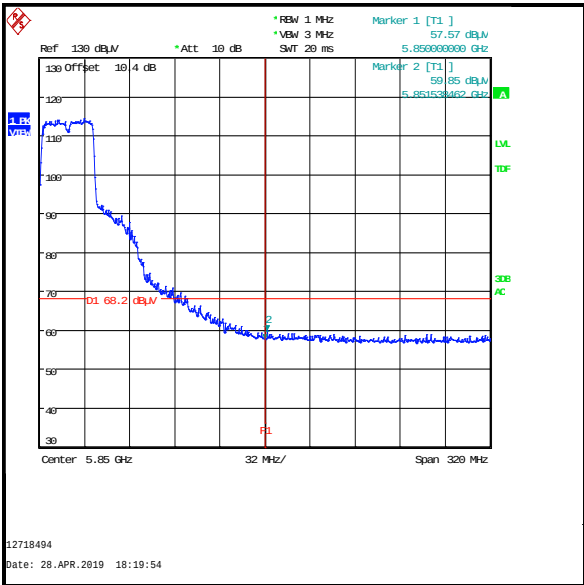
Results: 802.11n / 40 MHz / MIMO / 2Tx SDM / BPSK / MCS8 / Peak



Lower Band Edge



Upper Band Edge



Straddle Channel emission level at 5850 MHz

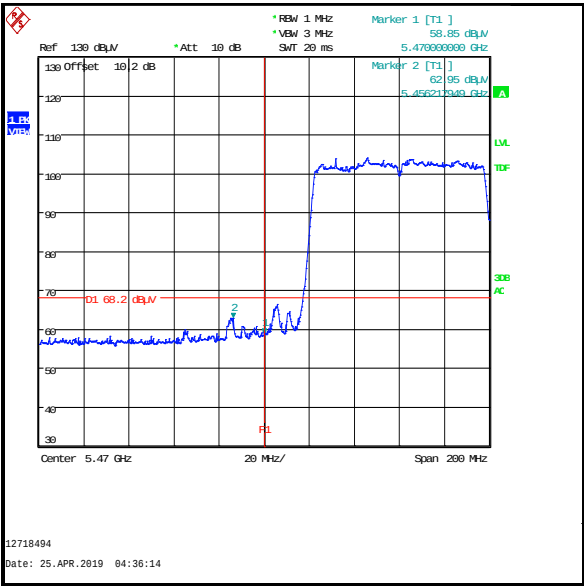
Transmitter Band Edge Radiated Emissions (5.47-5.725 GHz band operation) (continued)**Results: 802.11ac / 80 MHz / MIMO / 2Tx SDM / BPSK / MCS0x2 / Peak**

Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Result
5456.218	-32.2	-27.0	5.2	Complied
5470	-36.3	-27.0	9.3	Complied
5725	-31.4	-27.0	4.4	Complied
5735.929	-29.7	-27.0	2.7	Complied
5850	-34.2	-27.0	7.2	Complied
5856.000	-31.7	-27.0	4.7	Complied

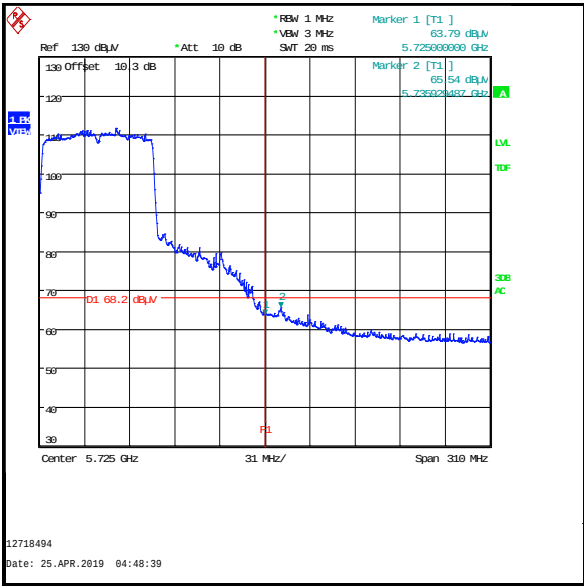
Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5456.218	63.0	68.2	5.2	Complied
5470	58.9	68.2	9.3	Complied
5725	63.8	68.2	4.4	Complied
5735.929	65.5	68.2	2.7	Complied
5850	61.0	68.2	7.2	Complied
5856.000	63.5	68.2	4.7	Complied

Transmitter Band Edge Radiated Emissions (5.47-5.725 GHz band operation) (continued)

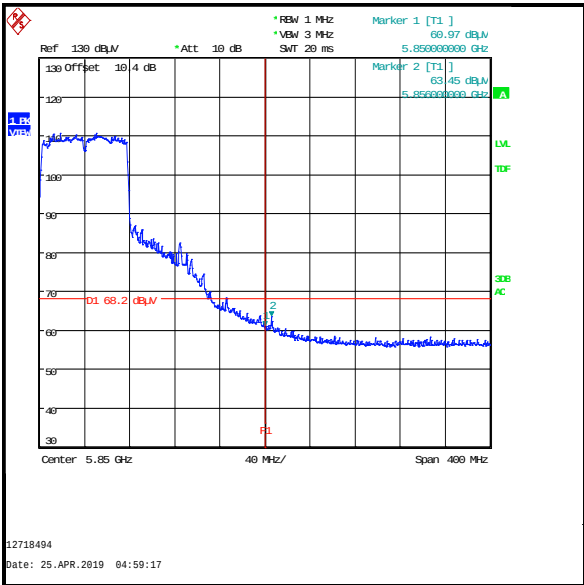
Results: 802.11ac / 80 MHz / MIMO / 2Tx SDM / BPSK / MCS0x2 / Peak



Lower Band Edge



Upper Band Edge



Straddle Channel emission level at 5850 MHz

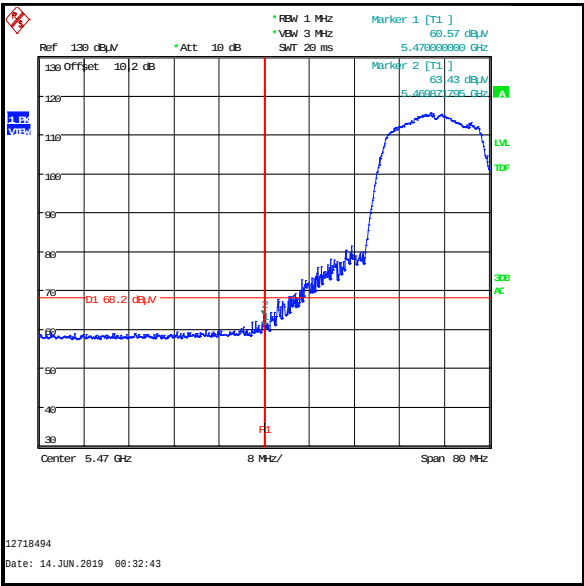
Transmitter Band Edge Radiated Emissions (5.47-5.725 GHz band operation) (continued)**Results: 802.11n / 20 MHz / MIMO / 2Tx TXBF / BPSK / MCS0 / Peak**

Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Result
5469.872	-31.8	-27.0	4.8	Complied
5470	-34.6	-27.0	7.6	Complied
5725	-30.7	-27.0	3.7	Complied
5725.337	-30.1	-27.0	3.1	Complied
5850	-37.7	-27.0	10.7	Complied
5851.333	-35.4	-27.0	8.4	Complied

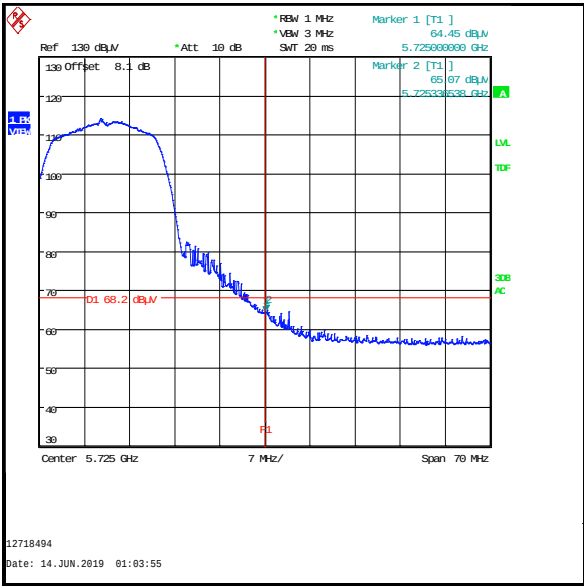
Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5469.872	63.4	68.2	4.8	Complied
5470	60.6	68.2	7.6	Complied
5725	64.5	68.2	3.7	Complied
5725.337	65.1	68.2	3.1	Complied
5850	57.5	68.2	10.7	Complied
5851.333	59.8	68.2	8.4	Complied

Transmitter Band Edge Radiated Emissions (5.47-5.725 GHz band operation) (continued)

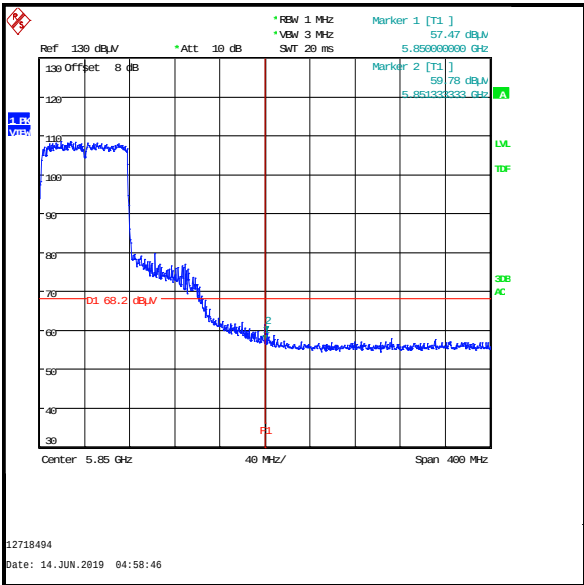
Results: 802.11n / 20 MHz / MIMO / 2Tx TXBF / BPSK / MCS0 / Peak



Lower Band Edge



Upper Band Edge



Straddle Channel emission level at 5850 MHz

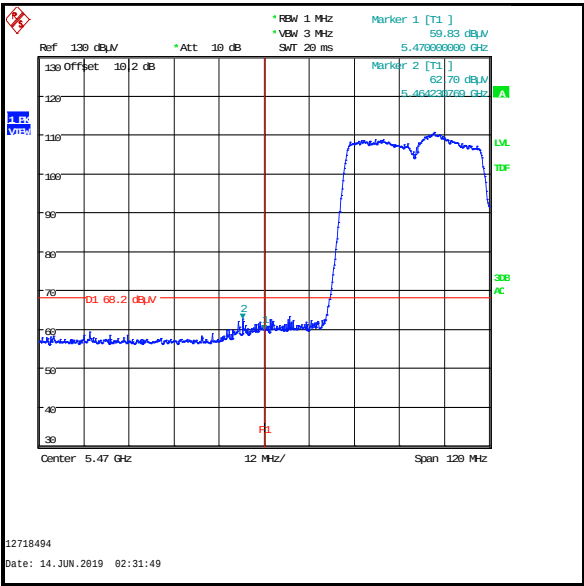
Transmitter Band Edge Radiated Emissions (5.47-5.725 GHz band operation) (continued)**Results: 802.11n / 40 MHz / MIMO / 2Tx TXBF / BPSK / MCS0 / Peak**

Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Result
5464.231	-32.5	-27.0	5.5	Complied
5470	-35.4	-27.0	8.4	Complied
5725	-32.7	-27.0	5.7	Complied
5736.538	-31.8	-27.0	4.8	Complied
5850	-37.2	-27.0	10.2	Complied
5920.256	-35.5	-27.0	8.5	Complied

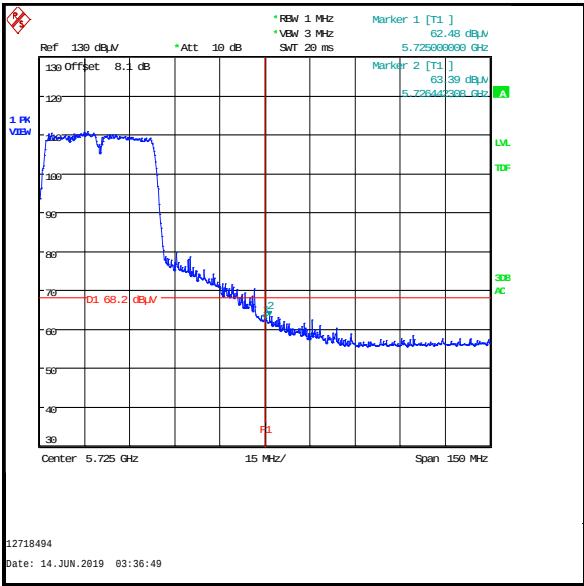
Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5464.231	62.7	68.2	5.5	Complied
5470	59.8	68.2	8.4	Complied
5725	62.5	68.2	5.7	Complied
5726.442	63.4	68.2	4.8	Complied
5850	58.0	68.2	10.2	Complied
5920.256	59.7	68.2	8.5	Complied

Transmitter Band Edge Radiated Emissions (5.47-5.725 GHz band operation) (continued)

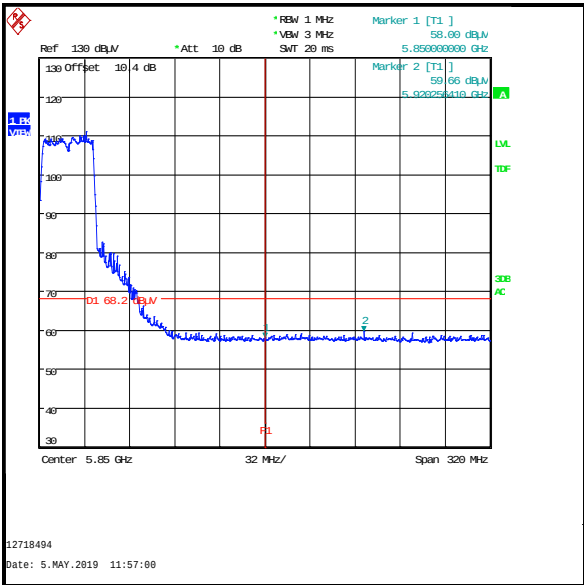
Results: 802.11n / 40 MHz / MIMO / 2Tx TXBF / BPSK / MCS0 / Peak



Lower Band Edge



Upper Band Edge



Straddle Channel emission level at 5850 MHz

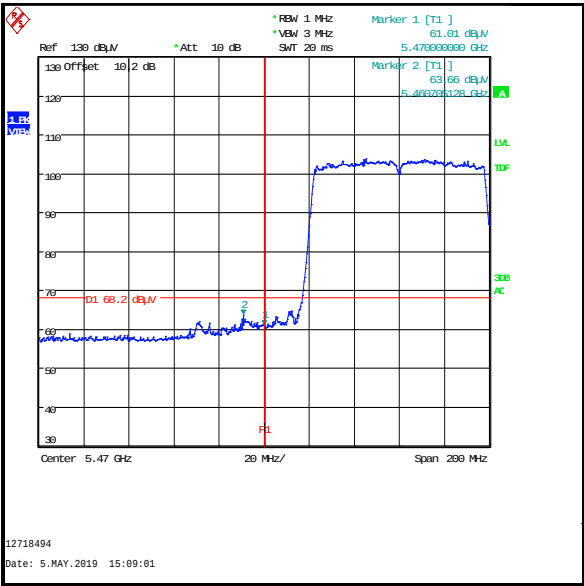
Transmitter Band Edge Radiated Emissions (5.47-5.725 GHz band operation) (continued)**Results: 802.11ac / 80 MHz / MIMO / 2Tx TXBF / BPSK / MCS0x1 / Peak**

Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Result
5460.705	-31.5	-27.0	4.5	Complied
5470	-34.2	-27.0	7.2	Complied
5725	-33.9	-27.0	6.9	Complied
5726.987	-32.1	-27.0	5.1	Complied
5850	-36.0	-27.0	9.0	Complied

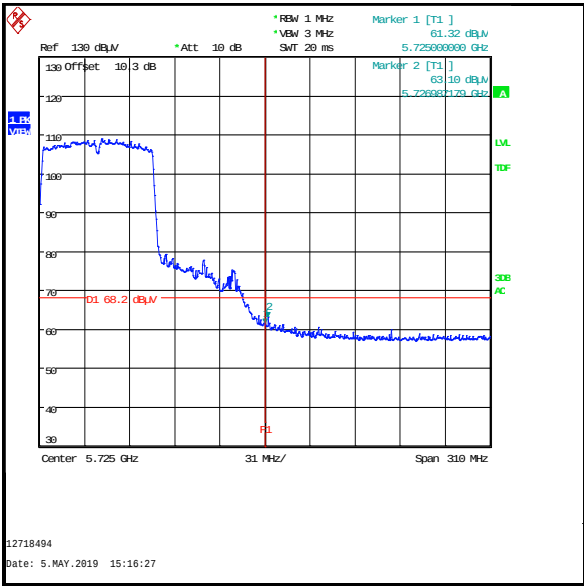
Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5460.705	63.7	68.2	4.5	Complied
5470	61.0	68.2	7.2	Complied
5725	61.3	68.2	6.9	Complied
5726.987	63.1	68.2	5.1	Complied
5850	59.2	68.2	9.0	Complied

Transmitter Band Edge Radiated Emissions (5.47-5.725 GHz band operation) (continued)

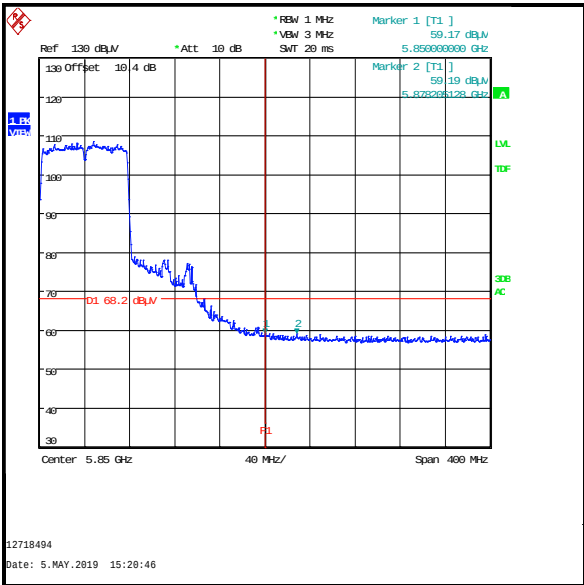
Results: 802.11ac / 80 MHz / MIMO / 2Tx TXBF / BPSK / MCS0x1 / Peak



Lower Band Edge



Upper Band Edge



Straddle Channel emission level at 5850 MHz

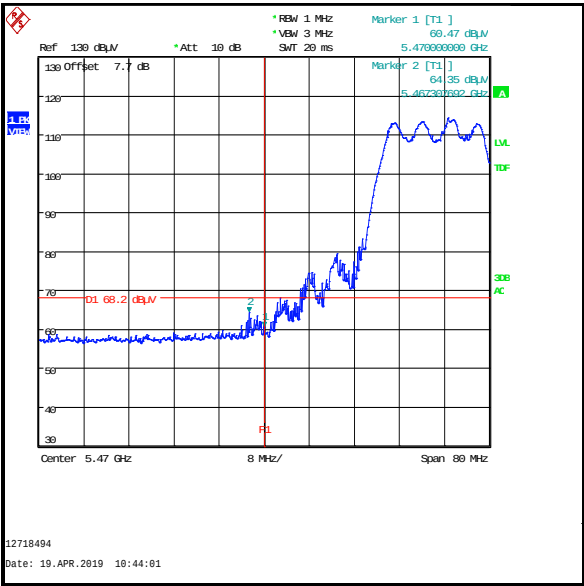
Transmitter Band Edge Radiated Emissions (5.47-5.725 GHz band operation) (continued)**Results: 802.11n / 20 MHz / MIMO / 3Tx CDD / BPSK / MCS0 / Peak**

Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Result
5467.308	-30.8	-27.0	3.8	Complied
5470	-34.7	-27.0	7.7	Complied
5725	-33.3	-27.0	6.3	Complied
5727.131	-30.0	-27.0	3.0	Complied
5850	-36.8	-27.0	9.8	Complied
5863.462	-36.1	-27.0	9.1	Complied

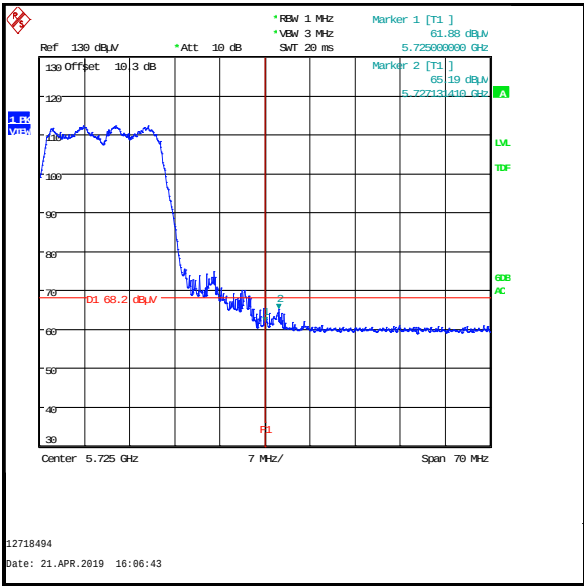
Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5467.308	64.4	68.2	3.8	Complied
5470	60.5	68.2	7.7	Complied
5725	61.9	68.2	6.3	Complied
5727.131	65.2	68.2	3.0	Complied
5850	58.4	68.2	9.8	Complied
5863.462	59.1	68.2	9.1	Complied

Transmitter Band Edge Radiated Emissions (5.47-5.725 GHz band operation) (continued)

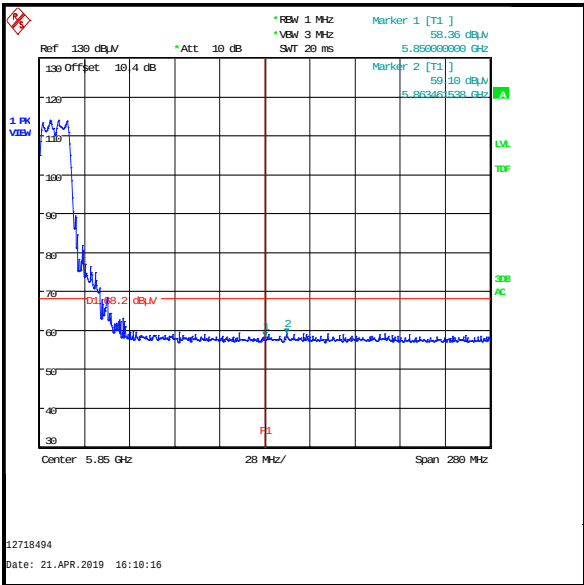
Results: 802.11n / 20 MHz / MIMO / 3Tx CDD / BPSK / MCS0 / Peak



Lower Band Edge



Upper Band Edge



Straddle Channel emission level at 5850 MHz

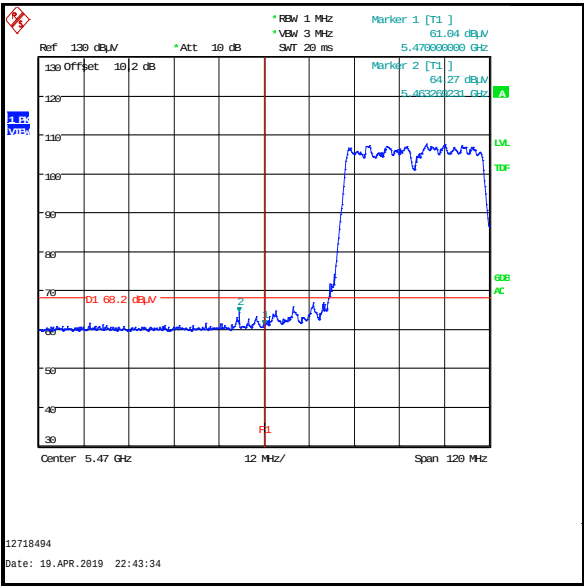
Transmitter Band Edge Radiated Emissions (5.47-5.725 GHz band operation) (continued)**Results: 802.11n / 40 MHz / MIMO / 3Tx CDD / BPSK / MCS0 / Peak**

Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Result
5463.269	-30.9	-27.0	3.9	Complied
5470	-34.2	-27.0	7.2	Complied
5725	-35.3	-27.0	8.3	Complied
5726.683	-31.8	-27.0	4.8	Complied
5850	-37.4	-27.0	10.4	Complied
5859.231	-35.0	-27.0	8.0	Complied

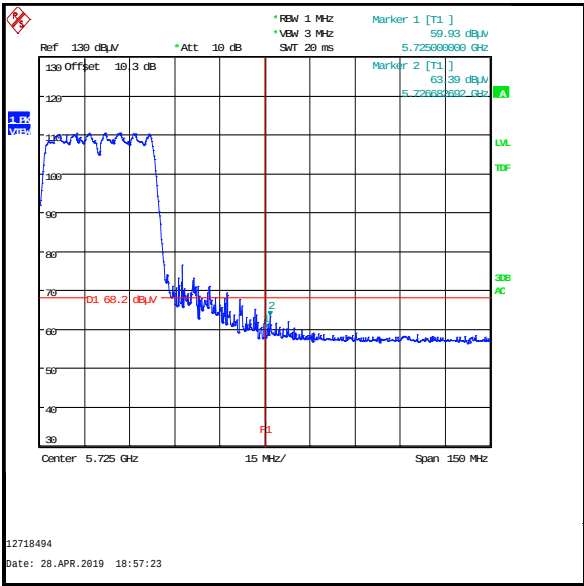
Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5463.269	64.3	68.2	3.9	Complied
5470	61.0	68.2	7.2	Complied
5725	59.9	68.2	8.3	Complied
5726.683	63.4	68.2	4.8	Complied
5850	57.8	68.2	10.4	Complied
5859.231	60.2	68.2	8.0	Complied

Transmitter Band Edge Radiated Emissions (5.47-5.725 GHz band operation) (continued)

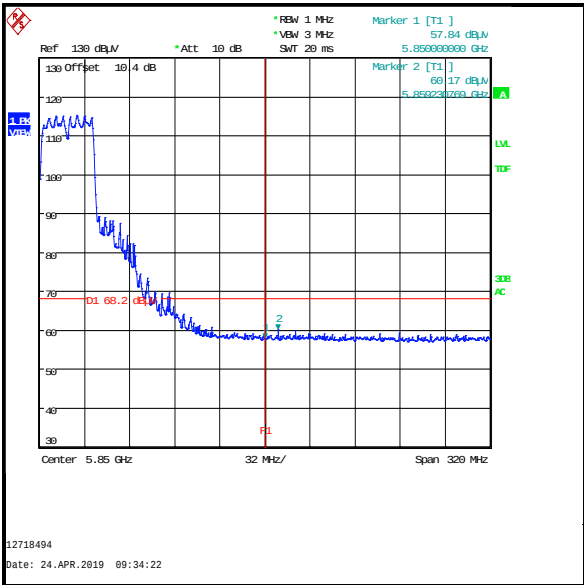
Results: 802.11n / 40 MHz / MIMO / 3Tx CDD / BPSK / MCS0 / Peak



Lower Band Edge



Upper Band Edge



Straddle Channel emission level at 5850 MHz

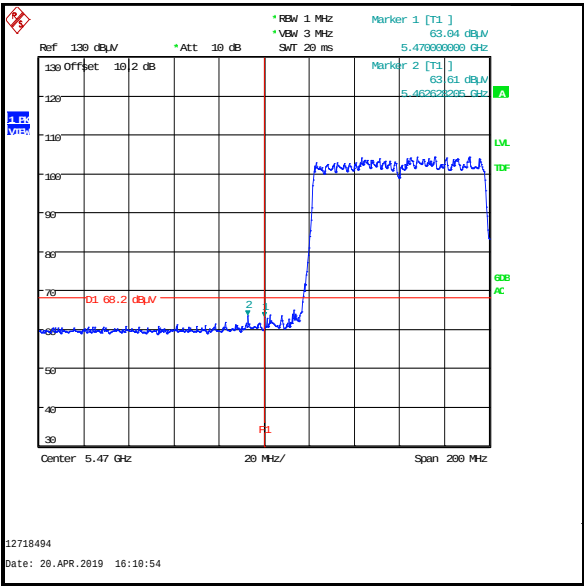
Transmitter Band Edge Radiated Emissions (5.47-5.725 GHz band operation) (continued)**Results: 802.11ac / 80 MHz / MIMO / 3Tx CDD / BPSK / MCS0x1 / Peak**

Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Result
5462.628	-31.6	-27.0	4.6	Complied
5470	-32.2	-27.0	5.2	Complied
5725	-31.8	-27.0	4.8	Complied
5727.981	-30.1	-27.0	3.1	Complied
5850	-32.9	-27.0	5.9	Complied
5856.410	-31.9	-27.0	4.9	Complied

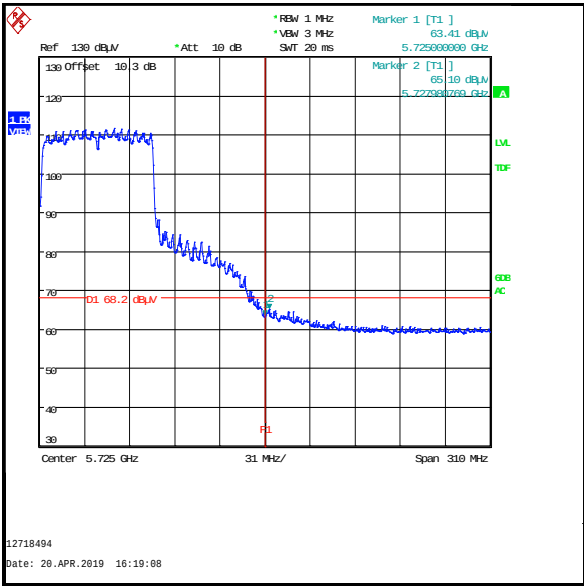
Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5462.628	63.6	68.2	4.6	Complied
5470	63.0	68.2	5.2	Complied
5725	63.4	68.2	4.8	Complied
5727.981	65.1	68.2	3.1	Complied
5850	62.3	68.2	5.9	Complied
5856.410	63.3	68.2	4.9	Complied

Transmitter Band Edge Radiated Emissions (5.47-5.725 GHz band operation) (continued)

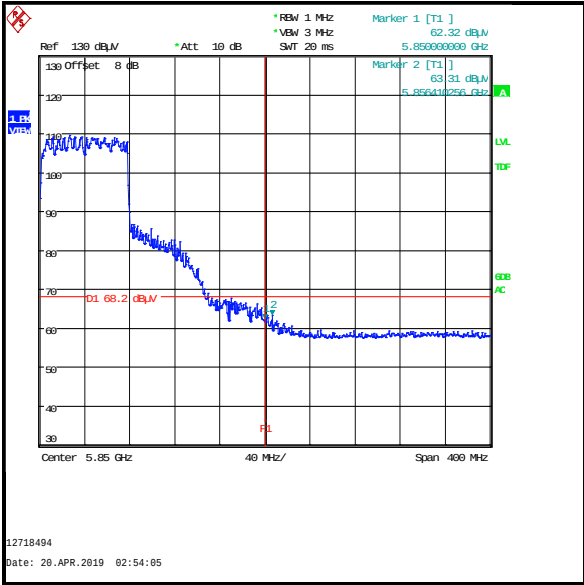
Results: 802.11ac / 80 MHz / MIMO / 3Tx CDD / BPSK / MCS0x1 / Peak



Lower Band Edge



Upper Band Edge



Straddle Channel emission level at 5850 MHz

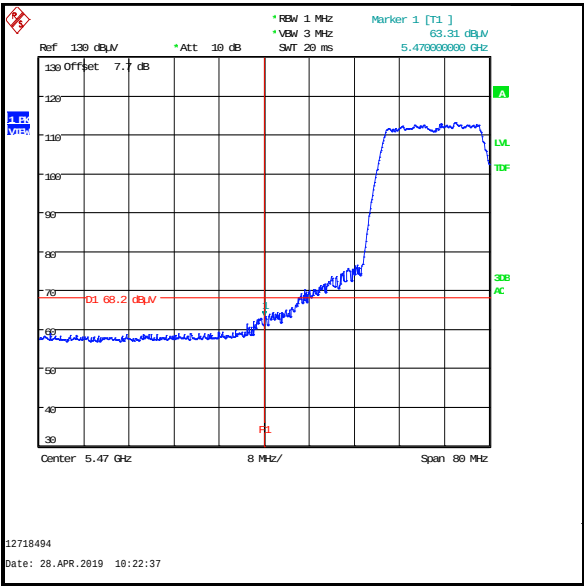
Transmitter Band Edge Radiated Emissions (5.47-5.725 GHz band operation) (continued)**Results: 802.11n / 20 MHz / MIMO / 3Tx SDM / BPSK / MCS16 / Peak**

Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Result
5470	-31.9	-27.0	4.9	Complied
5725	-32.0	-27.0	5.0	Complied
5850	-37.8	-27.0	10.8	Complied
5905.642	-35.9	-27.0	8.9	Complied

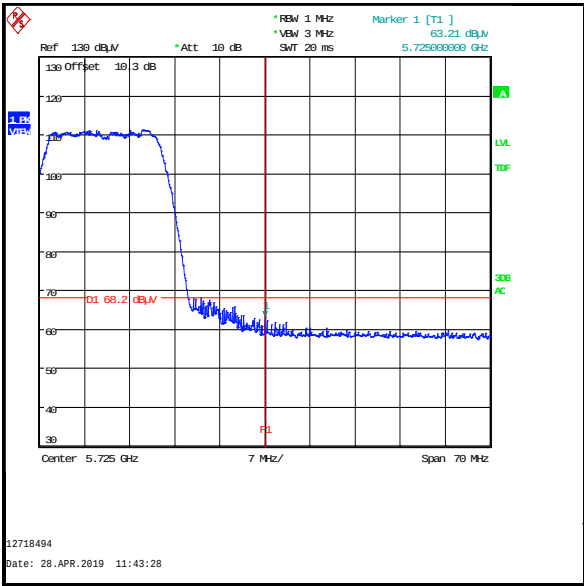
Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5470	63.3	68.2	4.9	Complied
5725	63.2	68.2	5.0	Complied
5850	57.4	68.2	10.8	Complied
5905.642	59.3	68.2	8.9	Complied

Transmitter Band Edge Radiated Emissions (5.47-5.725 GHz band operation) (continued)

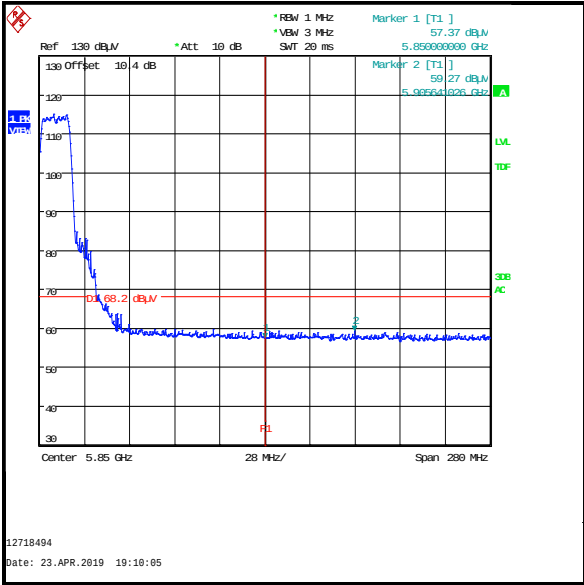
Results: 802.11n / 20 MHz / MIMO / 3Tx SDM / BPSK / MCS16 / Peak



Lower Band Edge



Upper Band Edge



Straddle Channel emission level at 5850 MHz

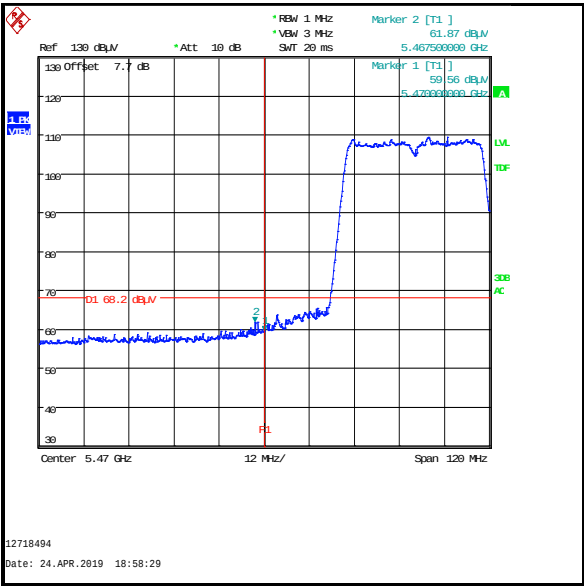
Transmitter Band Edge Radiated Emissions (5.47-5.725 GHz band operation) (continued)**Results: 802.11n / 40 MHz / MIMO / 3Tx SDM / BPSK / MCS16 / Peak**

Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Result
5467.500	-33.3	-27.0	6.3	Complied
5470	-35.6	-27.0	8.6	Complied
5725	-32.1	-27.0	5.1	Complied
5727.644	-30.3	-27.0	3.3	Complied
5850	-38.5	-27.0	11.5	Complied
5997.179	-37.2	-27.0	10.2	Complied

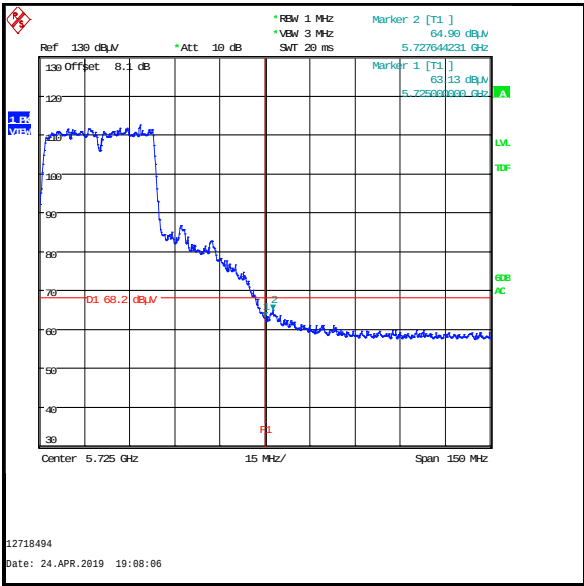
Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5467.500	61.9	68.2	6.3	Complied
5470	59.6	68.2	8.6	Complied
5725	63.1	68.2	5.1	Complied
5727.644	64.9	68.2	3.3	Complied
5850	56.7	68.2	11.5	Complied
5997.179	58.0	68.2	10.2	Complied

Transmitter Band Edge Radiated Emissions (5.47-5.725 GHz band operation) (continued)

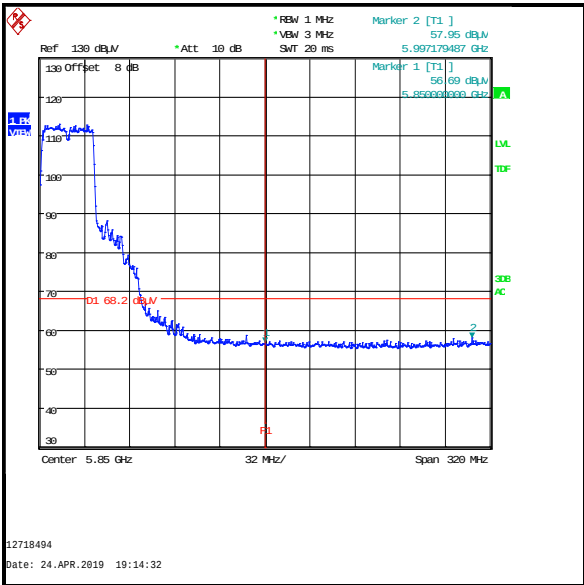
Results: 802.11n / 40 MHz / MIMO / 3Tx SDM / BPSK / MCS16 / Peak



Lower Band Edge



Upper Band Edge



Straddle Channel emission level at 5850 MHz

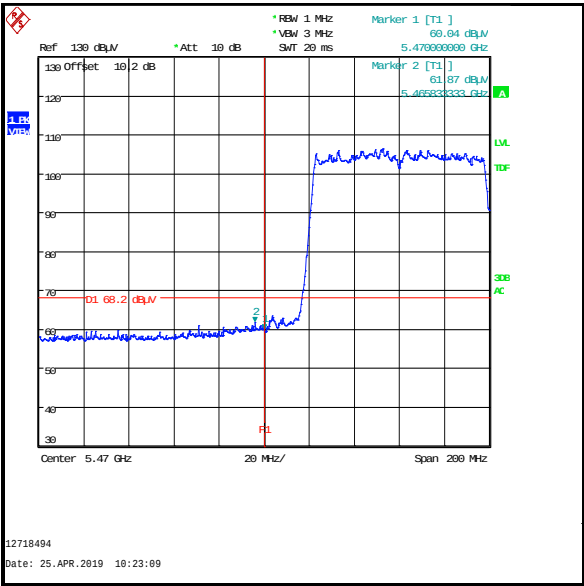
Transmitter Band Edge Radiated Emissions (5.47-5.725 GHz band operation) (continued)**Results: 802.11ac / 80 MHz / MIMO / 3Tx SDM / BPSK / MCS0x3 / Peak**

Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Result
5465.833	-33.3	-27.0	6.3	Complied
5470	-35.2	-27.0	8.2	Complied
5725	-31.5	-27.0	4.5	Complied
5850	-33.7	-27.0	6.7	Complied
5855.128	-32.6	-27.0	5.6	Complied

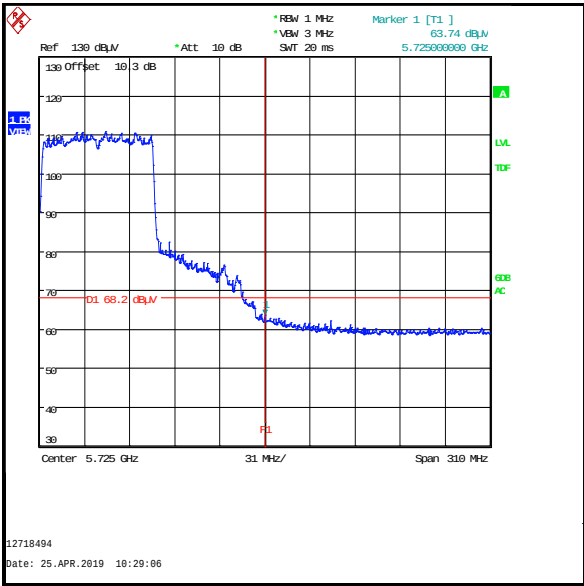
Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5465.833	61.9	68.2	6.3	Complied
5470	60.0	68.2	8.2	Complied
5725	63.7	68.2	4.5	Complied
5850	61.5	68.2	6.7	Complied
5855.128	62.6	68.2	5.6	Complied

Transmitter Band Edge Radiated Emissions (5.47-5.725 GHz band operation) (continued)

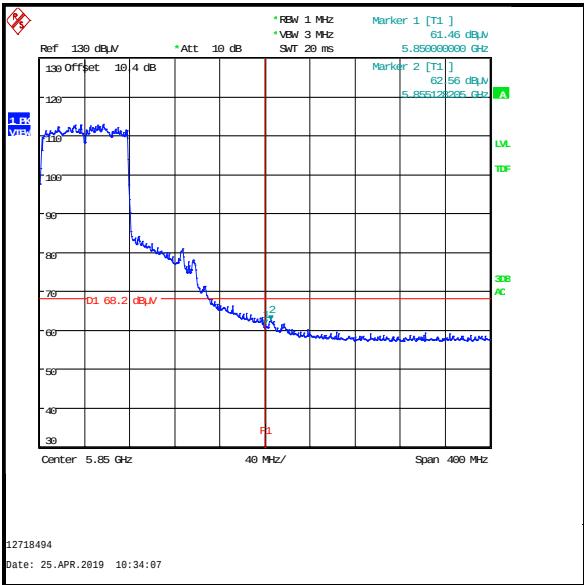
Results: 802.11ac / 80 MHz / MIMO / 3Tx SDM / BPSK / MCS0x3 / Peak



Lower Band Edge



Upper Band Edge



Straddle Channel emission level at 5850 MHz

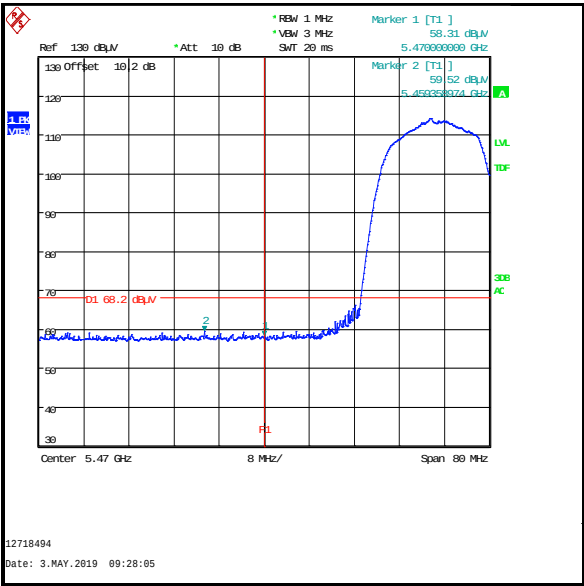
Transmitter Band Edge Radiated Emissions (5.47-5.725 GHz band operation) (continued)**Results: 802.11n / 20 MHz / MIMO / 3Tx TXBF / BPSK / MCS0 / Peak**

Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Result
5459.359	-35.7	-27.0	8.7	Complied
5470	-36.9	-27.0	9.9	Complied
5725	-37.2	-27.0	10.2	Complied
5728.253	-34.4	-27.0	7.4	Complied
5850	-37.5	-27.0	10.5	Complied
5911.026	-35.9	-27.0	8.9	Complied

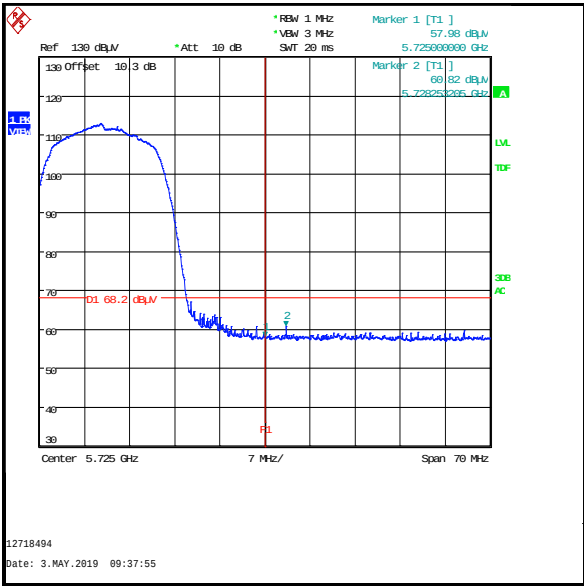
Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5459.359	59.5	68.2	8.7	Complied
5470	58.3	68.2	9.9	Complied
5725	58.0	68.2	10.2	Complied
5728.253	60.8	68.2	7.4	Complied
5850	57.7	68.2	10.5	Complied
5911.026	59.3	68.2	8.9	Complied

Transmitter Band Edge Radiated Emissions (5.47-5.725 GHz band operation) (continued)

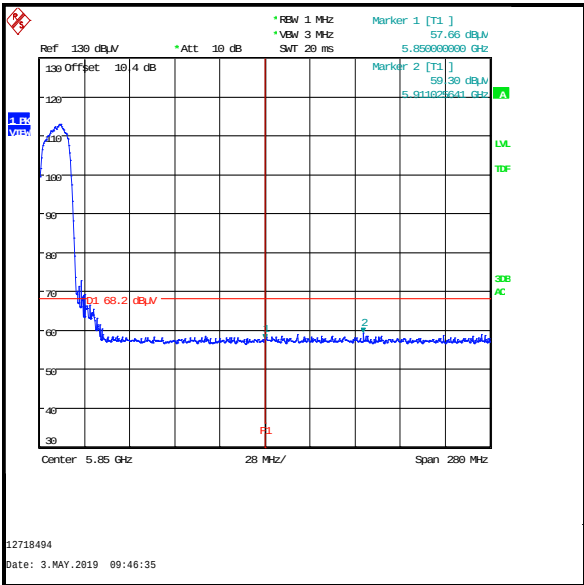
Results: 802.11n / 20 MHz / MIMO / 3Tx TXBF / BPSK / MCS0 / Peak



Lower Band Edge



Upper Band Edge



Straddle Channel emission level at 5850 MHz

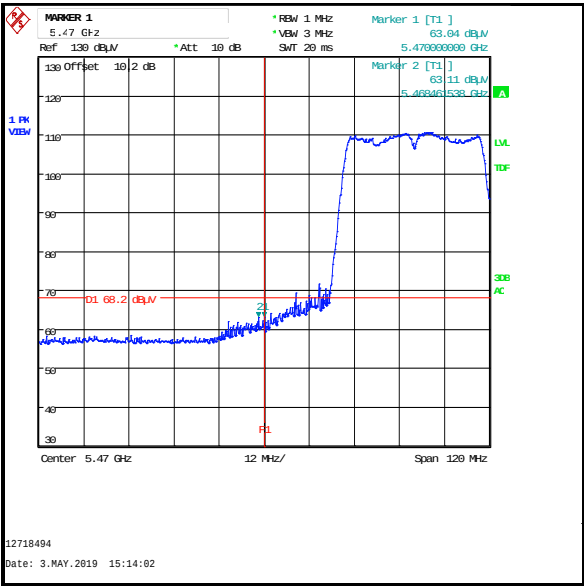
Transmitter Band Edge Radiated Emissions (5.47-5.725 GHz band operation) (continued)**Results: 802.11n / 40 MHz / MIMO / 3Tx TXBF / BPSK / MCS0 / Peak**

Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Result
5468.462	-32.1	-27.0	5.1	Complied
5470	-32.2	-27.0	5.2	Complied
5725	-33.2	-27.0	6.2	Complied
5725.721	-32.8	-27.0	5.8	Complied
5850	-36.8	-27.0	9.8	Complied
5893.429	-36.3	-27.0	9.3	Complied

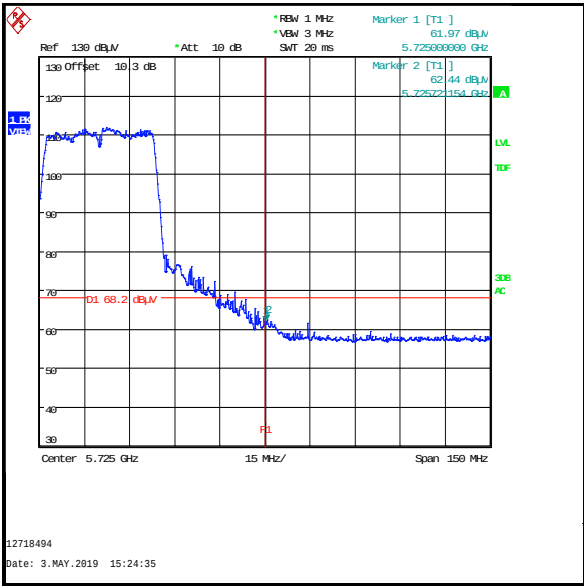
Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5468.462	63.1	68.2	5.1	Complied
5470	63.0	68.2	5.2	Complied
5725	62.0	68.2	6.2	Complied
5725.721	62.4	68.2	5.8	Complied
5850	58.4	68.2	9.8	Complied
5893.429	58.9	68.2	9.3	Complied

Transmitter Band Edge Radiated Emissions (5.47-5.725 GHz band operation) (continued)

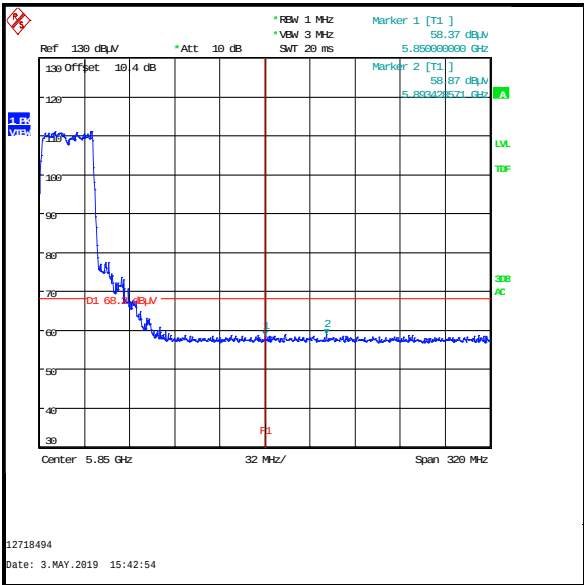
Results: 802.11n / 40 MHz / MIMO / 3Tx TXBF / BPSK / MCS0 / Peak



Lower Band Edge



Upper Band Edge



Straddle Channel emission level at 5850 MHz

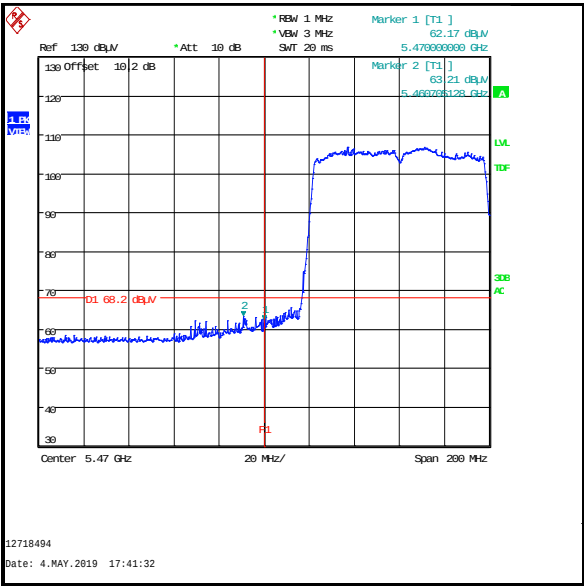
Transmitter Band Edge Radiated Emissions (5.47-5.725 GHz band operation) (continued)**Results: 802.11ac / 80 MHz / MIMO / 3Tx TXBF / BPSK / MCS0x1 / Peak**

Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Result
5460.705	-32.0	-27.0	5.0	Complied
5470	-33.0	-27.0	6.0	Complied
5725	-37.5	-27.0	10.5	Complied
5793.061	-36.0	-27.0	9.0	Complied
5850	-37.2	-27.0	10.2	Complied
6027.564	-35.5	-27.0	8.5	Complied

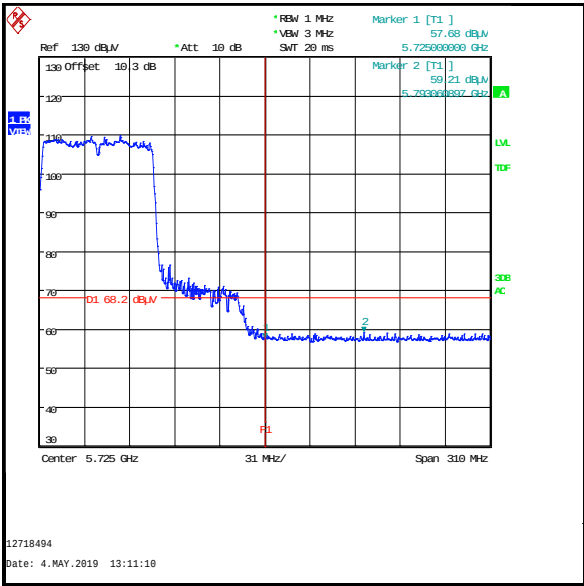
Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5460.705	63.2	68.2	5.0	Complied
5470	62.2	68.2	6.0	Complied
5725	57.7	68.2	10.5	Complied
5793.061	59.2	68.2	9.0	Complied
5850	58.0	68.2	10.2	Complied
6027.564	59.7	68.2	8.5	Complied

Transmitter Band Edge Radiated Emissions (5.47-5.725 GHz band operation) (continued)

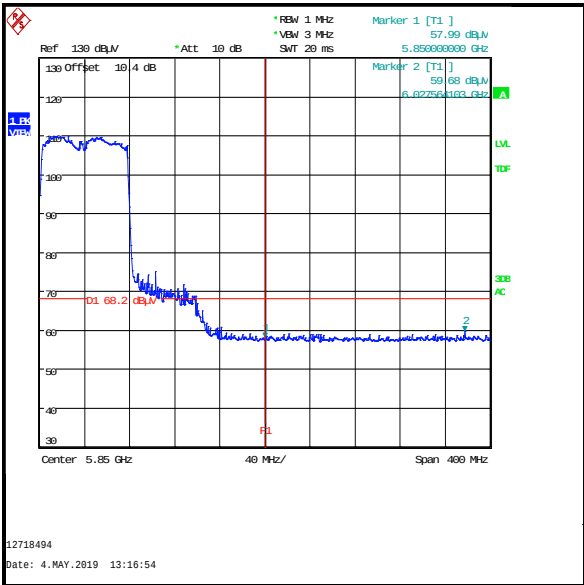
Results: 802.11ac / 80 MHz / MIMO / 3Tx TXBF / BPSK / MCS0x1 / Peak



Lower Band Edge



Upper Band Edge



Straddle Channel emission level at 5850 MHz

Transmitter Band Edge Radiated Emissions (5.725-5.85 GHz band)**5.3.4. 5.725-5.85 GHz band****Test Summary:**

Test Engineers:	Andrew Edwards, Mohamed Toubella, James O'Reilly, Mark Perry, John Ferdinand, Tom Sleigh, Nick Steele, Marco Zunarelli & Andrew Harding	Test Dates:	21 April 2019 to 14 June 2019
Test Sample Serial Numbers:	C02YF00CMFLF & C02YD006MFLQ		

FCC Reference:	Parts 15.407(b)(4)(i),(7), 15.205 & 15.209(a)
Test Method Used:	ANSI C63.10 Section 6.10 & KDB 789033 II.G.

Environmental Conditions:

Temperature (°C):	22 to 26
Relative Humidity (%):	31 to 45

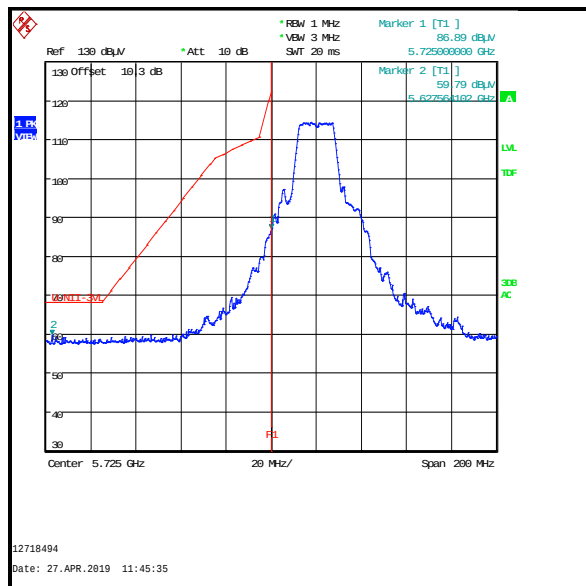
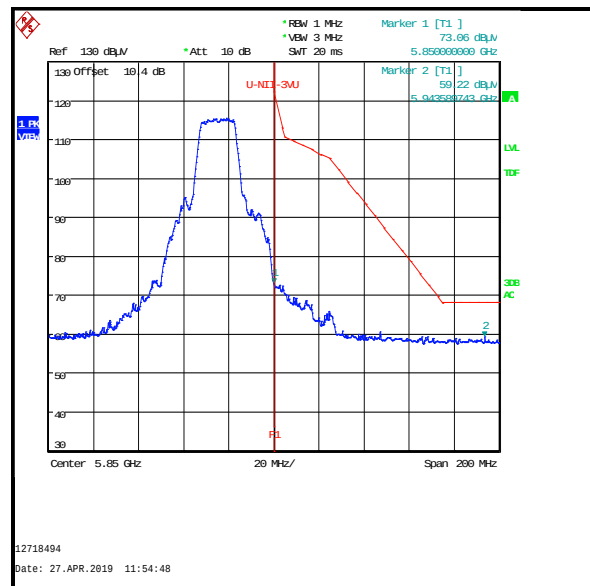
Transmitter Band Edge Radiated Emissions (5.725-5.85 GHz band operation) (continued)**Note(s):**

1. The following modes were tested:
 - o 802.11a - BPSK / 6 Mbps / Core 0
 - o 802.11n HT20 / SISO - BPSK / MCS0 / Core 0
 - o 802.11n HT40 / SISO - BPSK / MCS0 / Core 0
 - o 802.11ac VHT80 / SISO – BPSK / MCS0x1 / Core 0
 - o 802.11n HT20 / MIMO / 2Tx CDD - BPSK / MCS0
 - o 802.11n HT40 / MIMO / 2Tx CDD - BPSK / MCS0
 - o 802.11ac VHT80 / MIMO / 2Tx CDD - BPSK / MCS0x1
 - o 802.11n HT20 / MIMO / 2Tx SDM - BPSK / MCS8
 - o 802.11n HT40 / MIMO / 2Tx SDM - BPSK / MCS8
 - o 802.11ac VHT80 / MIMO / 2Tx SDM - BPSK / MCS0x2
 - o 802.11n HT20 / MIMO / 2Tx TXBF - BPSK / MCS0
 - o 802.11n HT40 / MIMO / 2Tx TXBF - BPSK / MCS0
 - o 802.11ac VHT80 / MIMO / 2Tx TXBF - BPSK / MCS0x1
 - o 802.11n HT20 / MIMO / 3Tx CDD - BPSK / MCS0
 - o 802.11n HT40 / MIMO / 3Tx CDD - BPSK / MCS0
 - o 802.11ac VHT80 / MIMO / 3Tx CDD - BPSK / MCS0x1
 - o 802.11n HT20 / MIMO / 3Tx SDM - BPSK / MCS16
 - o 802.11n HT40 / MIMO / 3Tx SDM - BPSK / MCS16
 - o 802.11ac VHT80 / MIMO / 3Tx SDM - BPSK / MCS0x3
 - o 802.11n HT20 / MIMO / 3Tx TXBF - BPSK / MCS0
 - o 802.11n HT40 / MIMO / 3Tx TXBF - BPSK / MCS0
 - o 802.11ac VHT80 / MIMO / 3Tx TXBF - BPSK / MCS0x1
2. Lower band edge measurements were performed with the EUT transmitting on the bottom channel. Upper band edge measurements were performed with the EUT transmitting on the top channel.
3. For completeness, results are also shown as EIRP in dBm and also as field strength in dB μ V/m. Measured field strength was converted to EIRP in accordance with KDB 789033 G.2.c)(iii) using a conversion factor of 95.2.

Transmitter Band Edge Radiated Emissions (5.725-5.85 GHz band operation) (continued)**Results: 802.11a / 20 MHz / SISO / BPSK / 6 Mbps / Core 0 / Peak**

Frequency (MHz)	Level (dBm)	Limit (dBm/MHz)	Margin (dB)	Result
5627.564	-35.4	-27.0	8.4	Complied
5725	-8.3	27.0	35.3	Complied
5850	-22.1	27.0	49.1	Complied
5943.590	-36.0	-27.0	9.0	Complied

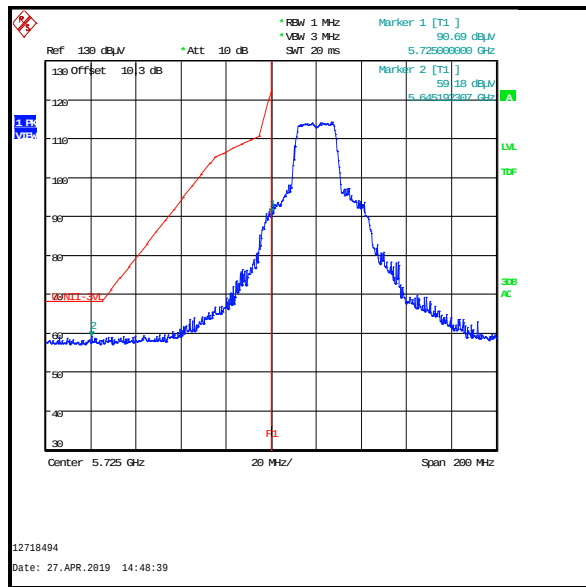
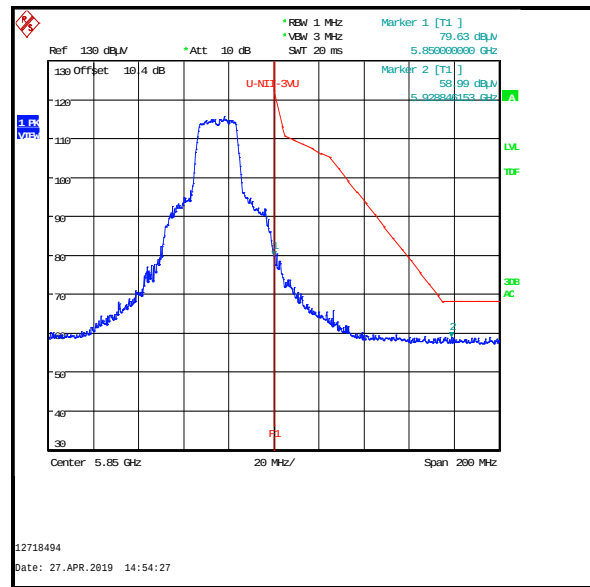
Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5627.564	59.8	68.2	8.4	Complied
5725	86.9	122.2	35.3	Complied
5850	73.1	122.2	49.1	Complied
5943.590	59.2	68.2	9.0	Complied

**Lower Band Edge****Upper Band Edge**

Transmitter Band Edge Radiated Emissions (5.725-5.85 GHz band operation) (continued)**Results: 802.11n / 20 MHz / SISO / BPSK / MCS0 / Core 0 / Peak**

Frequency (MHz)	Level (dBm)	Limit (dBm/MHz)	Margin (dB)	Result
5645.192	-36.0	-27.0	9.0	Complied
5725	-4.5	27.0	31.5	Complied
5850	-15.6	27.0	42.6	Complied
5928.846	-36.2	-27.0	9.2	Complied

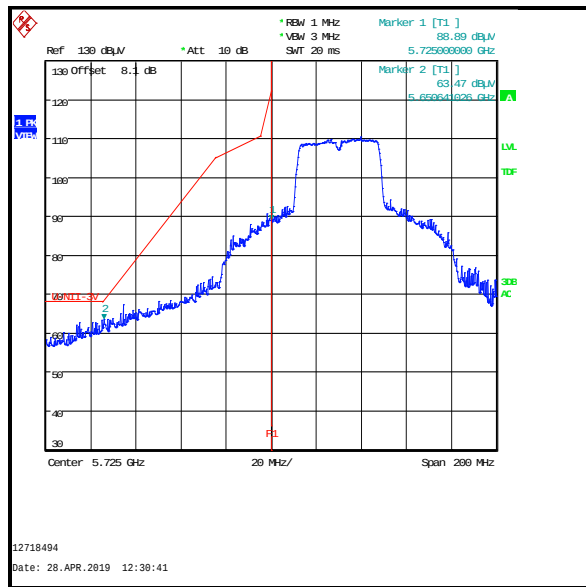
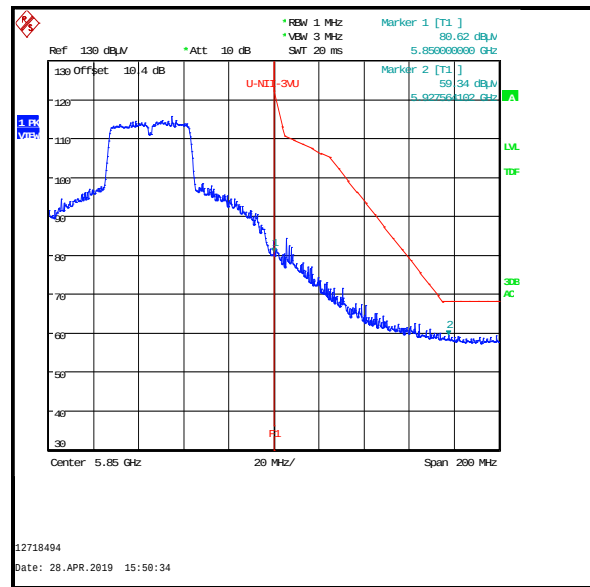
Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5645.192	59.2	68.2	9.0	Complied
5725	90.7	122.2	31.5	Complied
5850	79.6	122.2	42.6	Complied
5928.846	59.0	68.2	9.2	Complied

**Lower Band Edge****Upper Band Edge**

Transmitter Band Edge Radiated Emissions (5.725-5.85 GHz band operation) (continued)**Results: 802.11n / 40 MHz / SISO / BPSK / MCS0 / Core 0 / Peak**

Frequency (MHz)	Level (dBm)	Limit (dBm/MHz)	Margin (dB)	Result
5650.642	-31.7	-27.0	4.7	Complied
5725	-6.3	27.0	33.3	Complied
5850	-14.6	27.0	41.6	Complied
5927.564	-35.9	-27.0	8.9	Complied

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5650.642	63.5	68.2	4.7	Complied
5725	88.9	122.2	33.3	Complied
5850	80.6	122.2	41.6	Complied
5927.564	59.3	68.2	8.9	Complied

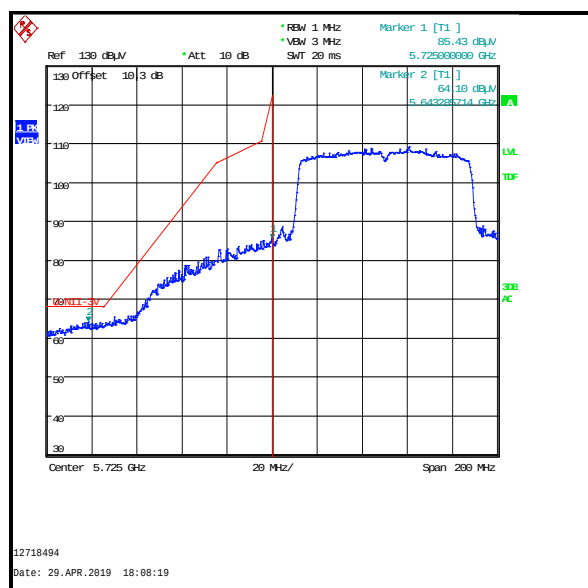
**Lower Band Edge****Upper Band Edge**

Transmitter Band Edge Radiated Emissions (5.725-5.85 GHz band operation) (continued)

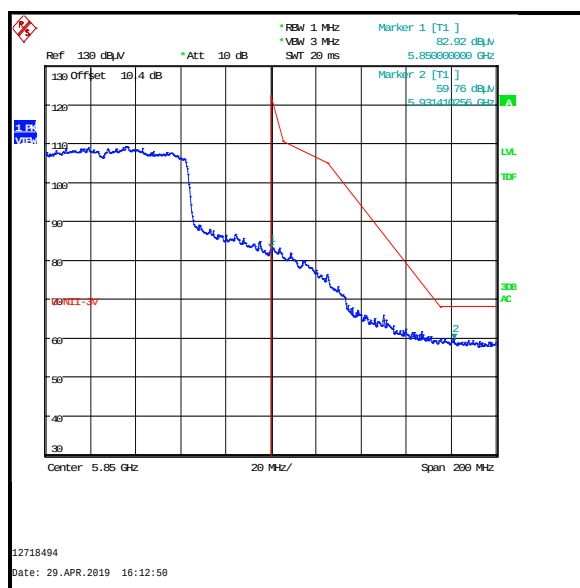
Results: 802.11ac / 80 MHz / SISO / BPSK / MCS0 / Core 0 / Peak

Frequency (MHz)	Level (dBm)	Limit (dBm/MHz)	Margin (dB)	Result
5643.286	-31.1	-27.0	4.1	Complied
5725	-9.8	27.0	36.8	Complied
5850	-12.3	27.0	39.3	Complied
5931.410	-35.4	-27.0	8.4	Complied

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5643.286	64.1	68.2	4.1	Complied
5725	85.4	122.2	36.8	Complied
5850	82.9	122.2	39.3	Complied
5931.410	59.8	68.2	8.4	Complied



Lower Band Edge

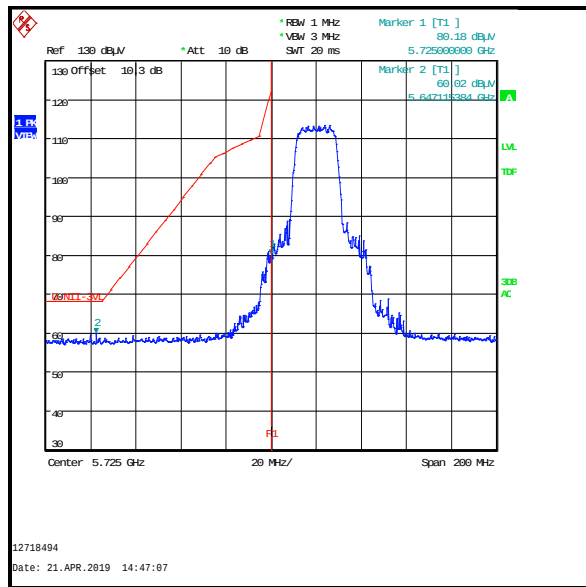
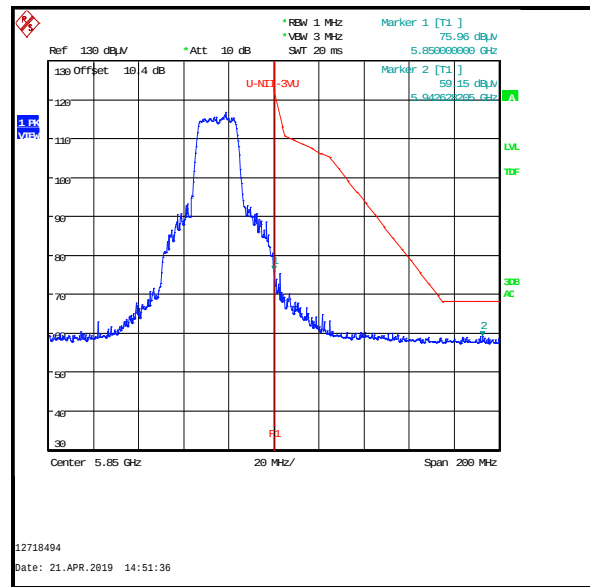


Upper Band Edge

Transmitter Band Edge Radiated Emissions (5.725-5.85 GHz band operation) (continued)**Results: 802.11n / 20 MHz / MIMO / 2Tx CDD / BPSK / MCS0 / Peak**

Frequency (MHz)	Level (dBm)	Limit (dBm/MHz)	Margin (dB)	Result
5647.115	-35.2	-27.0	8.2	Complied
5725	-15.0	27.0	42.0	Complied
5850	-19.2	27.0	46.2	Complied
5942.628	-36.0	-27.0	9.0	Complied

Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5647.115	60.0	68.2	8.2	Complied
5725	80.2	122.2	42.0	Complied
5850	76.0	122.2	46.2	Complied
5942.628	59.2	68.2	9.0	Complied

**Lower Band Edge****Upper Band Edge**