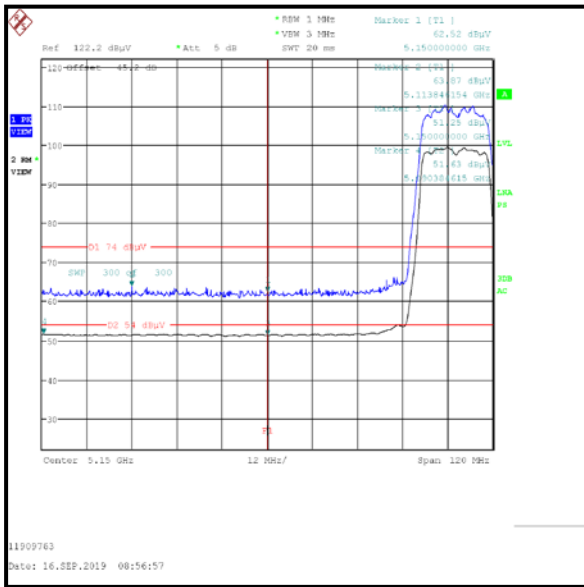
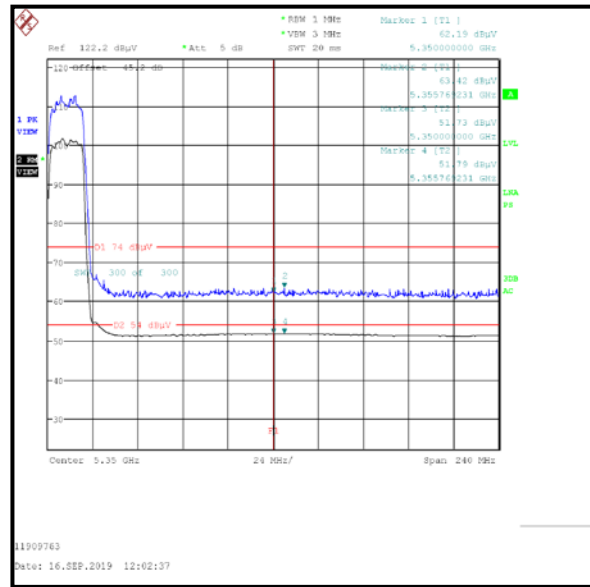


Transmitter Band Edge Radiated Emissions (continued)

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



Lower Band Edge Measurement



Upper Band Edge Measurement

Result: Pass

Transmitter Band Edge Radiated Emissions (continued)**Results: 802.11n / 40 MHz / MCS0 / MIMO / Port 1+2 / PWL 13 / 23 dBi Antenna Group****Results: CH 38 / Lower Band Edge / Peak**

Frequency (MHz)	Peak Level (dB μ V/m)	Peak Limit (dB μ V/m)	Margin (dB)	Result
5150.0	57.73	68.2	10.47	Complied
5147.5	59.63	68.2	8.57	Complied

Results: CH 38 / Lower Band Edge / Average

Frequency (MHz)	Average Level (dB μ V/m)	Duty Cycle Correction (dB)	Corrected Average Level (dB μ V/m)	Average Limit (dB μ V/m)	Margin (dB)	Result
5150.0	47.33	0.4	47.73	54.0	6.27	Complied
5147.5	47.45	0.4	47.85	54.0	6.15	Complied

Results: CH 46 / Upper Band Edge / Peak

Frequency (MHz)	Peak Level (dB μ V/m)	Peak Limit (dB μ V/m)	Margin (dB)	Result
5350.0	58.01	68.2	10.19	Complied

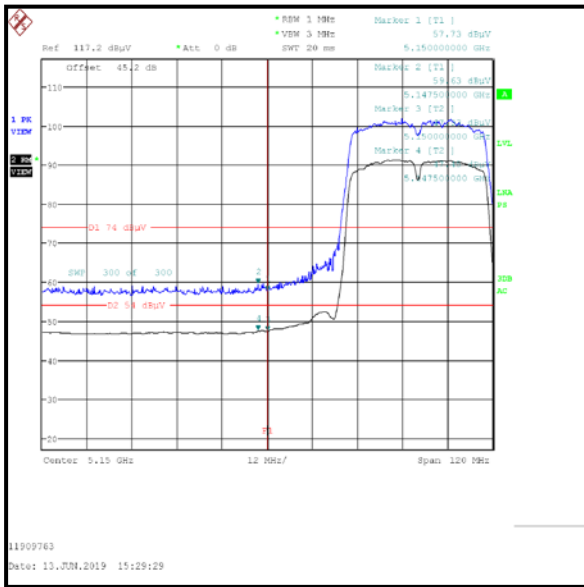
Results: CH 46 / Upper Band Edge / Average

Frequency (MHz)	Average Level (dB μ V/m)	Duty Cycle Correction (dB)	Corrected Average Level (dB μ V/m)	Average Limit (dB μ V/m)	Margin (dB)	Result
5350.0	46.91	0.4	47.31	54.0	6.69	Complied

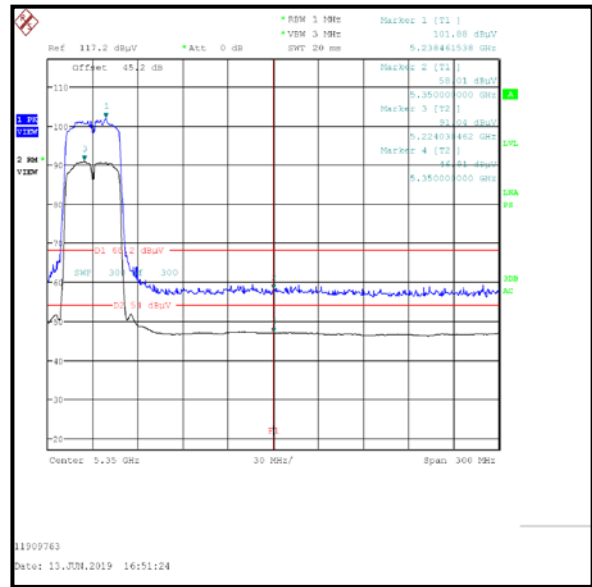
Result: Pass

Transmitter Band Edge Radiated Emissions (continued)

Results: 802.11n / 40 MHz / MCS0 / MIMO / Port 1+2 / PWL 13 / 23 dBi Antenna Group



Lower Band Edge Measurement



Upper Band Edge Measurement

Result: Pass

Transmitter Band Edge Radiated Emissions (continued)**Results: 802.11ac / 40 MHz / MCS0 / MIMO / Port 1+2 / PWL 13 / 23 dBi Antenna Group****Results: CH 38 / Lower Band Edge / Peak**

Frequency (MHz)	Peak Level (dB μ V/m)	Peak Limit (dB μ V/m)	Margin (dB)	Result
5150.0	63.98	68.2	4.22	Complied
5149.23	65.14	68.2	3.06	Complied

Results: CH 38 / Lower Band Edge / Average

Frequency (MHz)	Average Level (dB μ V/m)	Duty Cycle Correction (dB)	Corrected Average Level (dB μ V/m)	Average Limit (dB μ V/m)	Margin (dB)	Result
5150.0	50.75	0.4	51.15	54.0	2.85	Complied
5149.6	50.52	0.4	50.92	54.0	3.08	Complied

Results: CH 46 / Upper Band Edge / Peak

Frequency (MHz)	Peak Level (dB μ V/m)	Peak Limit (dB μ V/m)	Margin (dB)	Result
5350.0	56.92	68.2	11.28	Complied

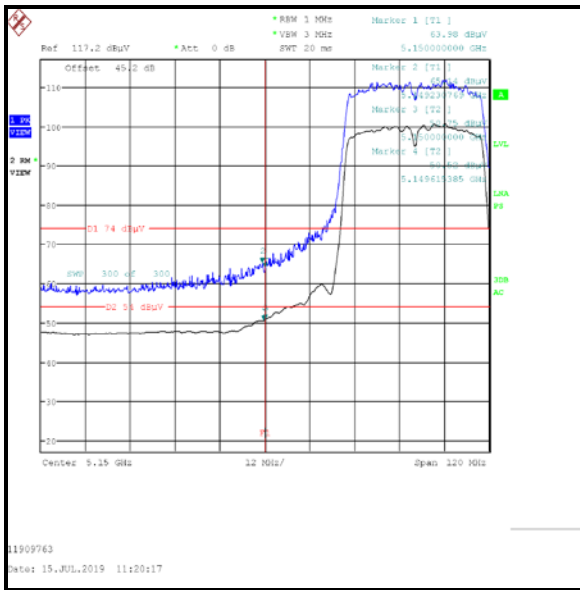
Results: CH 46 / Upper Band Edge / Average

Frequency (MHz)	Average Level (dB μ V/m)	Duty Cycle Correction (dB)	Corrected Average Level (dB μ V/m)	Average Limit (dB μ V/m)	Margin (dB)	Result
5350.0	46.91	0.4	47.31	54.0	6.69	Complied

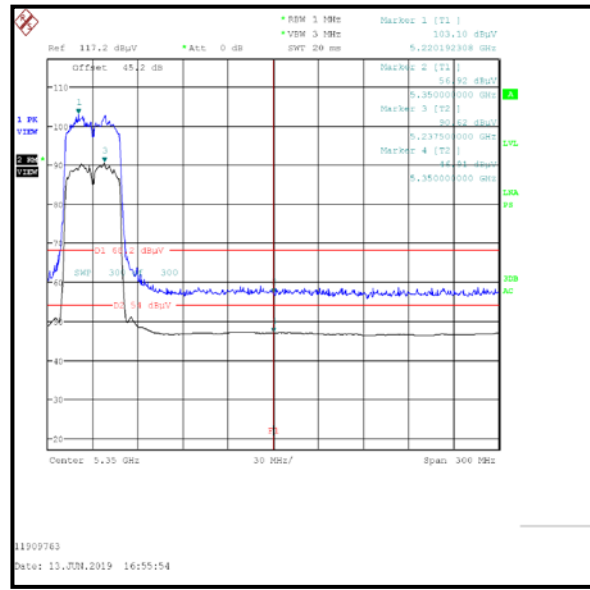
Result: Pass

Transmitter Band Edge Radiated Emissions (continued)

Results: 802.11ac / 40 MHz / MCS0 / MIMO / Port 1+2 / PWL 13 / 23 dBi Antenna Group



Lower Band Edge Measurement



Upper Band Edge Measurement

Result: **Pass**

Transmitter Band Edge Radiated Emissions (continued)**Results: 802.11ac / 80 MHz / MCS0 / MIMO / Port 1+2 / PWL 7 / 23 dBi Antenna Group****Results: CH 42 / Lower Band Edge / Peak**

Frequency (MHz)	Peak Level (dB μ V/m)	Peak Limit (dB μ V/m)	Margin (dB)	Result
5150.0	58.85	68.2	9.35	Complied

Results: CH 42 / Lower Band Edge / Average

Frequency (MHz)	Average Level (dB μ V/m)	Duty Cycle Correction (dB)	Corrected Average Level (dB μ V/m)	Average Limit (dB μ V/m)	Margin (dB)	Result
5150.0	47.95	0.5	48.45	54.0	5.55	Complied

Results: CH 42 / Upper Band Edge / Peak

Frequency (MHz)	Peak Level (dB μ V/m)	Peak Limit (dB μ V/m)	Margin (dB)	Result
5350.0	59.08	68.2	9.12	Complied
5419.4	59.31	68.2	8.89	Complied

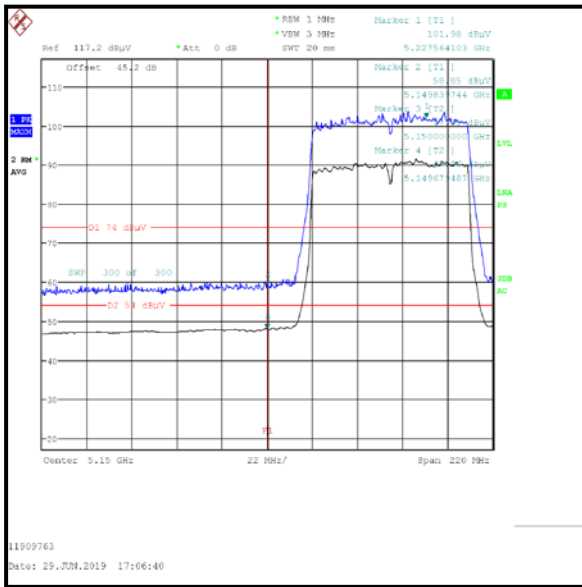
Results: CH 42 / Upper Band Edge / Average

Frequency (MHz)	Average Level (dB μ V/m)	Duty Cycle Correction (dB)	Corrected Average Level (dB μ V/m)	Average Limit (dB μ V/m)	Margin (dB)	Result
5350.0	47.58	0.5	48.08	54.0	5.92	Complied
5354.2	47.55	0.5	48.05	54.0	5.95	Complied

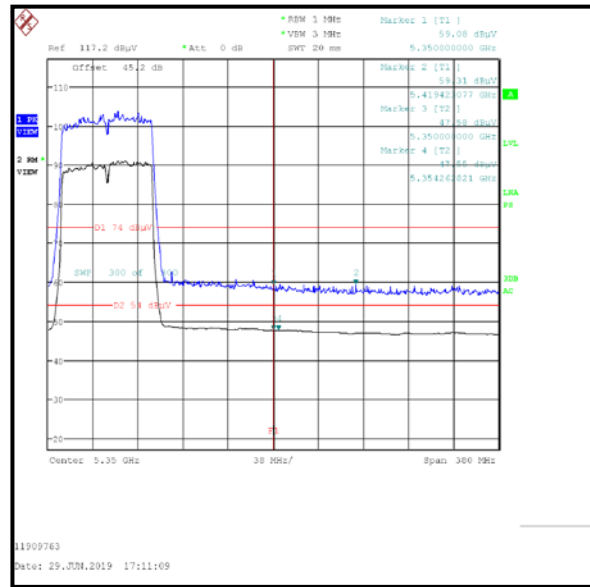
Result: Pass

Transmitter Band Edge Radiated Emissions (continued)

Results: 802.11ac / 80 MHz / MCS0 / MIMO / Port 1+2 / PWL 7 / 23 dBi Antenna Group



Lower Band Edge Measurement



Upper Band Edge Measurement

Result: **Pass**

Transmitter Band Edge Radiated Emissions (continued)

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

Results: CH 36 / Lower Band Edge / Peak

Frequency (MHz)	Peak Level (dBµV/m)	Peak Limit (dBµV/m)	Margin (dB)	Result
5150.0	58.55	68.2	9.65	Complied
5146.1	59.04	68.2	9.16	Complied

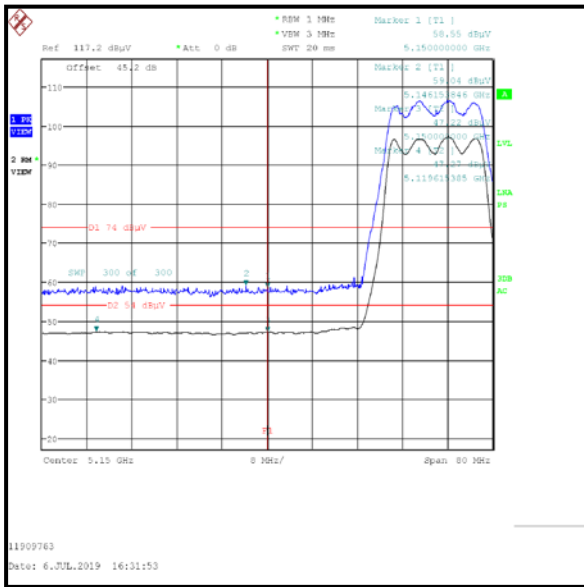
Results: CH 36 / Lower Band Edge / Average

Frequency (MHz)	Average Level (dBµV/m)	Duty Cycle Correction (dB)	Corrected Average Level (dBµV/m)	Average Limit (dBµV/m)	Margin (dB)	Result
5150.0	47.22	0.3	47.52	54.0	6.48	Complied
5119.6	47.27	0.3	47.57	54.0	6.43	Complied

Result: Pass

Transmitter Band Edge Radiated Emissions (continued)

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



Lower Band Edge Measurement

Result: Pass

Transmitter Band Edge Radiated Emissions (continued)**Results: 802.11a / 20 MHz / 6 Mbit / MIMO / Port 1+2+3 / PWL 9 / 23 dBi Antenna Group****Results: CH 40 / Lower Band Edge / Peak**

Frequency (MHz)	Peak Level (dB μ V/m)	Peak Limit (dB μ V/m)	Margin (dB)	Result
5150.0	62.10	68.2	6.1	Complied
5132.115	63.87	68.2	4.33	Complied

Results: CH 40 / Lower Band Edge / Average

Frequency (MHz)	Average Level (dB μ V/m)	Duty Cycle Correction (dB)	Corrected Average Level (dB μ V/m)	Average Limit (dB μ V/m)	Margin (dB)	Result
5150.0	51.24	0.3	51.54	54.0	2.46	Complied
5122.50	51.68	0.3	51.98	54.0	2.02	Complied

Results: CH 48 / Upper Band Edge / Peak

Frequency (MHz)	Peak Level (dB μ V/m)	Peak Limit (dB μ V/m)	Margin (dB)	Result
5350.0	62.63	68.2	5.57	Complied
5358.846	64.32	68.2	3.88	Complied

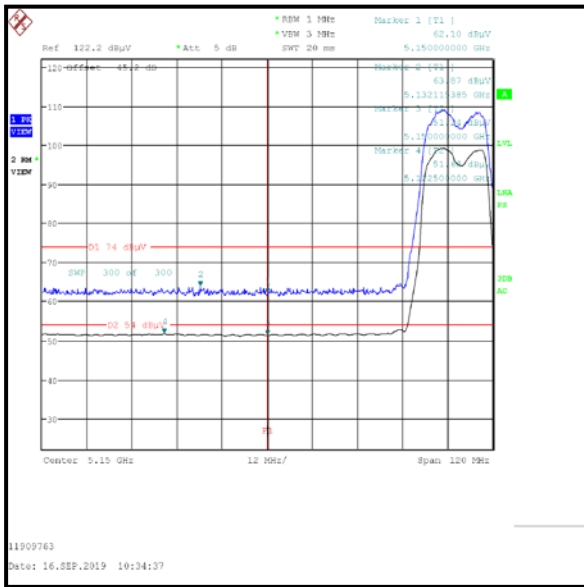
Results: CH 48 / Upper Band Edge / Average

Frequency (MHz)	Average Level (dB μ V/m)	Duty Cycle Correction (dB)	Corrected Average Level (dB μ V/m)	Average Limit (dB μ V/m)	Margin (dB)	Result
5350.0	51.67	0.3	51.97	54.0	2.03	Complied
5363.846	51.81	0.3	52.11	54.0	1.89	Complied

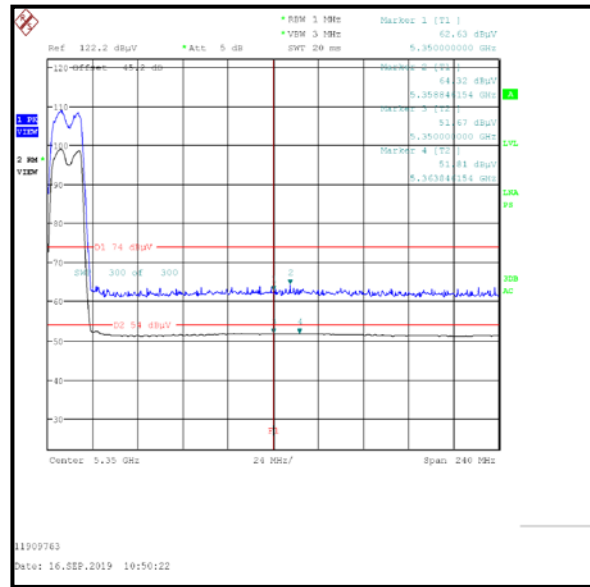
Result: Pass

Transmitter Band Edge Radiated Emissions (continued)

Results: 802.11a / 20 MHz / 6 Mbit / MIMO / Port 1+2+3 / PWL 9 / 23 dBi Antenna Group



Lower Band Edge Measurement



Upper Band Edge Measurement

Result: Pass

Transmitter Band Edge Radiated Emissions (continued)

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

Results: CH 36 / Lower Band Edge / Peak

Frequency (MHz)	Peak Level (dBµV/m)	Peak Limit (dBµV/m)	Margin (dB)	Result
5150.0	58.90	68.2	9.3	Complied
5119.6	59.00	68.2	9.2	Complied

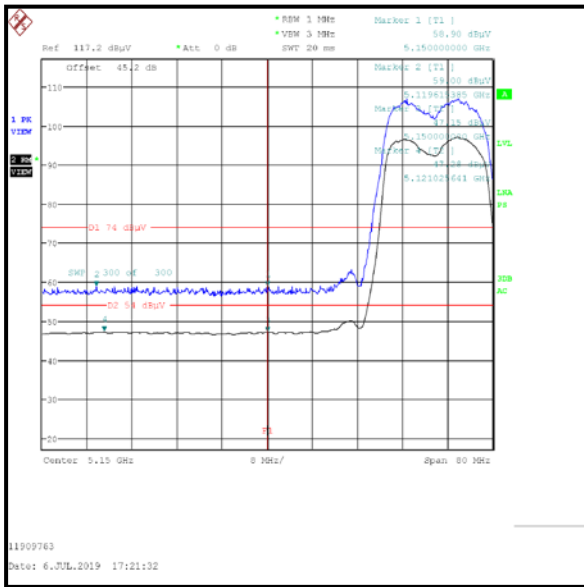
Results: CH 36 / Lower Band Edge / Average

Frequency (MHz)	Average Level (dBµV/m)	Duty Cycle Correction (dB)	Corrected Average Level (dBµV/m)	Average Limit (dBµV/m)	Margin (dB)	Result
5150.0	47.15	0.5	47.65	54.0	6.35	Complied
5121.0	47.28	0.5	47.78	54.0	6.22	Complied

Result: Pass

Transmitter Band Edge Radiated Emissions (continued)

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



Lower Band Edge Measurement

Result: Pass

Transmitter Band Edge Radiated Emissions (continued)**Results: 802.11n / 20 MHz / MCS0 / MIMO / Port 1+2+3 / PWL 9 / 23 dBi Antenna Group****Results: CH 40 / Lower Band Edge / Peak**

Frequency (MHz)	Peak Level (dB μ V/m)	Peak Limit (dB μ V/m)	Margin (dB)	Result
5150.0	62.20	68.2	6.00	Complied
5134.807	63.84	68.2	4.36	Complied

Results: CH 40 / Lower Band Edge / Average

Frequency (MHz)	Average Level (dB μ V/m)	Duty Cycle Correction (dB)	Corrected Average Level (dB μ V/m)	Average Limit (dB μ V/m)	Margin (dB)	Result
5150.0	51.30	0.5	51.80	54.0	2.2	Complied
5122.115	51.68	0.5	52.18	54.0	1.82	Complied

Results: CH 48 / Upper Band Edge / Peak

Frequency (MHz)	Peak Level (dB μ V/m)	Peak Limit (dB μ V/m)	Margin (dB)	Result
5350.0	62.33	68.2	5.87	Complied
5411.153	64.38	68.2	3.82	Complied

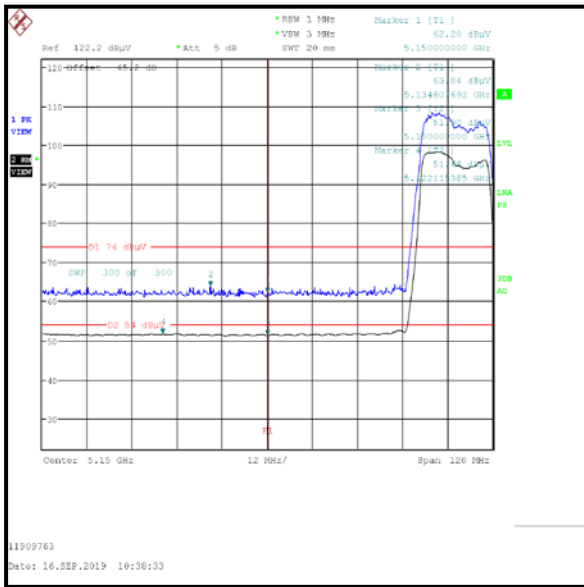
Results: CH 48 / Upper Band Edge / Average

Frequency (MHz)	Average Level (dB μ V/m)	Duty Cycle Correction (dB)	Corrected Average Level (dB μ V/m)	Average Limit (dB μ V/m)	Margin (dB)	Result
5350.0	51.76	0.5	52.26	54.0	1.74	Complied
5361.538	51.85	0.5	52.35	54.0	1.65	Complied

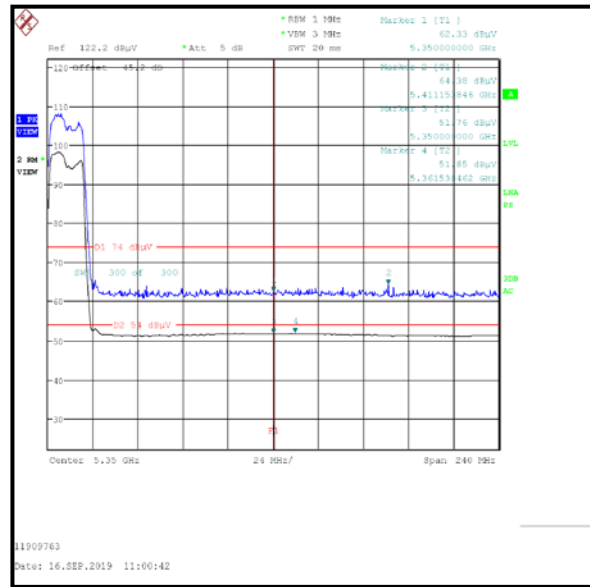
Result: Pass

Transmitter Band Edge Radiated Emissions (continued)

Results: 802.11n / 20 MHz / MCS0 / MIMO / Port 1+2+3 / PWL 9 / 23 dBi Antenna Group



Lower Band Edge Measurement



Upper Band Edge Measurement

Result: Pass

Transmitter Band Edge Radiated Emissions (continued)

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

Results: CH 36 / Lower Band Edge / Peak

Frequency (MHz)	Peak Level (dBµV/m)	Peak Limit (dBµV/m)	Margin (dB)	Result
5150.0	58.98	68.2	9.22	Complied
5118.9	59.31	68.2	8.89	Complied

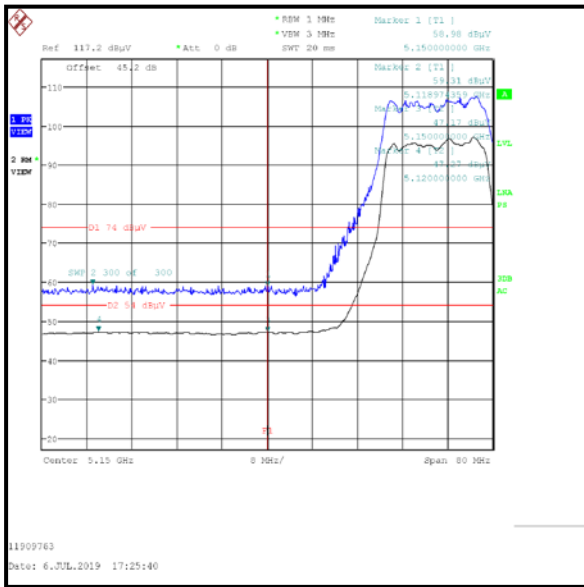
Results: CH 36 / Lower Band Edge / Average

Frequency (MHz)	Average Level (dBµV/m)	Duty Cycle Correction (dB)	Corrected Average Level (dBµV/m)	Average Limit (dBµV/m)	Margin (dB)	Result
5150.0	47.17	0.4	47.57	54.0	6.43	Complied
5120.0	47.27	0.4	47.67	54.0	6.33	Complied

Result: Pass

Transmitter Band Edge Radiated Emissions (continued)

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



Lower Band Edge Measurement

Result: Pass

Transmitter Band Edge Radiated Emissions (continued)

Results: 802.11ac / 20 MHz / MCS0 / MIMO / Port 1+2+3 / PWL 9 / 23 dBi Antenna Group

Results: CH 40 / Lower Band Edge / Peak

Frequency (MHz)	Peak Level (dBµV/m)	Peak Limit (dBµV/m)	Margin (dB)	Result
5150.0	63.71	68.2	4.49	Complied
5107.115	64.58	68.2	3.62	Complied

Results: CH 40 / Lower Band Edge / Average

Frequency (MHz)	Average Level (dBµV/m)	Duty Cycle Correction (dB)	Corrected Average Level (dBµV/m)	Average Limit (dBµV/m)	Margin (dB)	Result
5150.0	51.24	0.4	51.64	54.0	2.36	Complied
5090.769	51.69	0.4	52.09	54.0	1.91	Complied

Results: CH 48 / Upper Band Edge / Peak

Frequency (MHz)	Peak Level (dBµV/m)	Peak Limit (dBµV/m)	Margin (dB)	Result
5350.0	62.07	68.2	6.13	Complied
5369.230	63.99	68.2	4.21	Complied

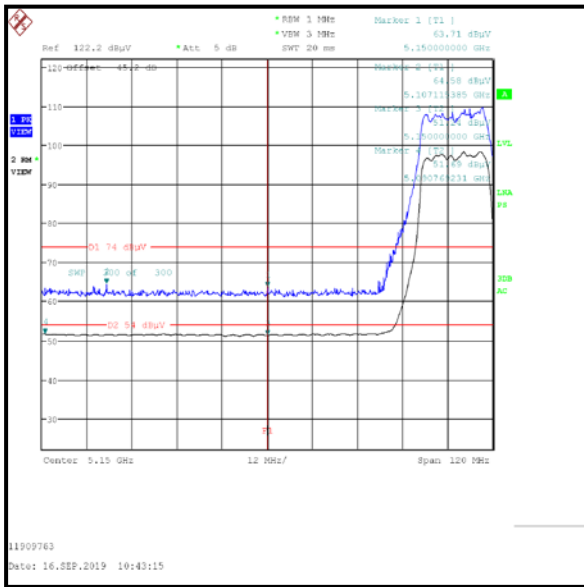
Results: CH 48 / Upper Band Edge / Average

Frequency (MHz)	Average Level (dBµV/m)	Duty Cycle Correction (dB)	Corrected Average Level (dBµV/m)	Average Limit (dBµV/m)	Margin (dB)	Result
5350.0	51.60	0.4	52.00	54.0	2.00	Complied
5359.615	51.77	0.4	52.17	54.0	1.83	Complied

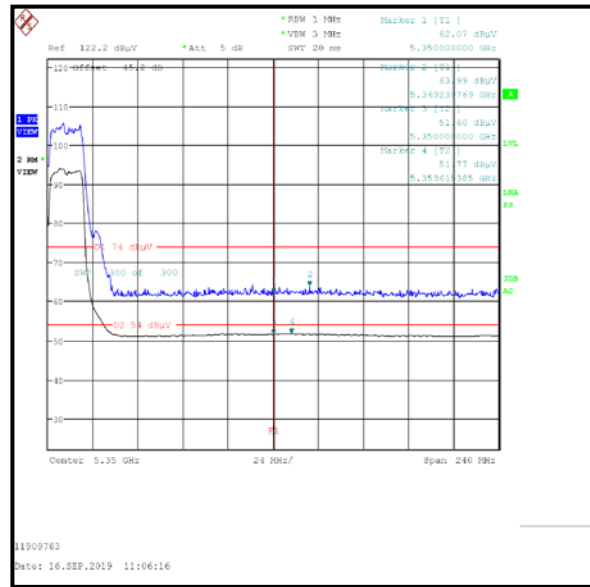
Result: **Pass**

Transmitter Band Edge Radiated Emissions (continued)

Results: 802.11ac / 20 MHz / MCS0 / MIMO / Port 1+2+3 / PWL 9 / 23 dBi Antenna Group



Lower Band Edge Measurement



Upper Band Edge Measurement

Result: Pass

Transmitter Band Edge Radiated Emissions (continued)**Results: 802.11n / 40 MHz / MCS0 / MIMO / Port 1+2+3 / PWL 8 / 23 dBi Antenna Group****Results: CH 38 / Lower Band Edge / Peak**

Frequency (MHz)	Peak Level (dB μ V/m)	Peak Limit (dB μ V/m)	Margin (dB)	Result
5150.0	57.56	68.2	10.64	Complied
5105.5	59.68	68.2	8.52	Complied

Results: CH 38 / Lower Band Edge / Average

Frequency (MHz)	Average Level (dB μ V/m)	Duty Cycle Correction (dB)	Corrected Average Level (dB μ V/m)	Average Limit (dB μ V/m)	Margin (dB)	Result
5150.0	47.13	0.4	47.53	54.0	6.47	Complied
5120.0	47.24	0.4	47.64	54.0	6.36	Complied

Results: CH 46 / Upper Band Edge / Peak

Frequency (MHz)	Peak Level (dB μ V/m)	Peak Limit (dB μ V/m)	Margin (dB)	Result
5350.0	57.92	68.2	10.28	Complied
5379.1	59.99	68.2	8.21	Complied

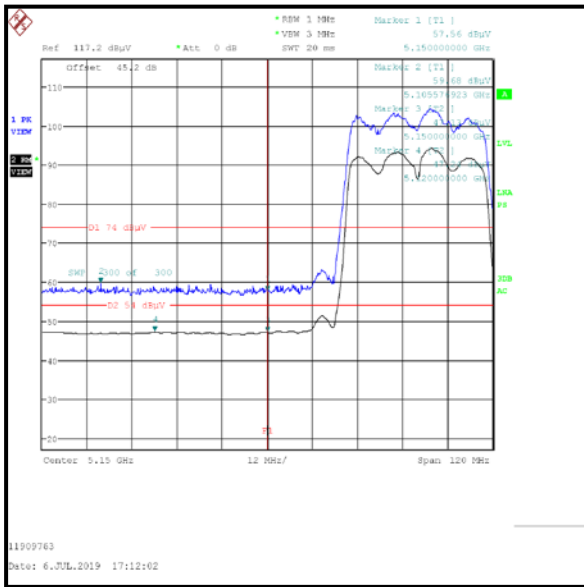
Results: CH 46 / Upper Band Edge / Average

Frequency (MHz)	Average Level (dB μ V/m)	Duty Cycle Correction (dB)	Corrected Average Level (dB μ V/m)	Average Limit (dB μ V/m)	Margin (dB)	Result
5350.0	47.10	0.4	47.50	54.0	6.5	Complied
5361.2	47.39	0.4	47.79	54.0	6.21	Complied

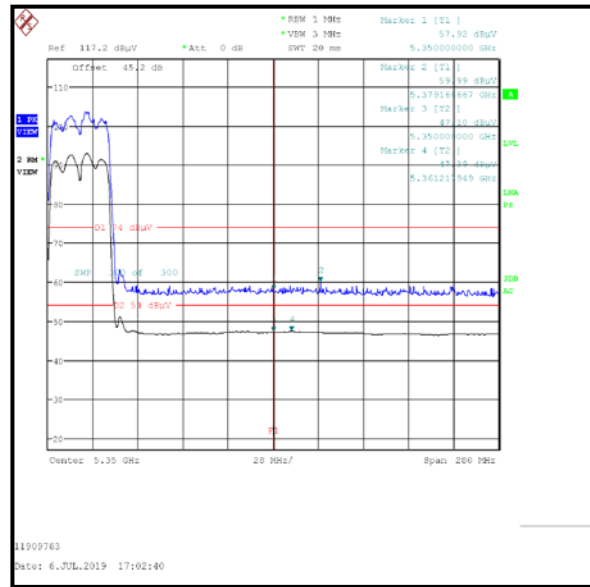
Result: Pass

Transmitter Band Edge Radiated Emissions (continued)

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



Lower Band Edge Measurement



Upper Band Edge Measurement

Result: Pass

Transmitter Band Edge Radiated Emissions (continued)

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

Results: CH 38 / Lower Band Edge / Peak

Frequency (MHz)	Peak Level (dBµV/m)	Peak Limit (dBµV/m)	Margin (dB)	Result
5150.0	58.05	68.2	10.15	Complied
5090.3	59.41	68.2	8.79	Complied

Results: CH 38 / Lower Band Edge / Average

Frequency (MHz)	Average Level (dBµV/m)	Duty Cycle Correction (dB)	Corrected Average Level (dBµV/m)	Average Limit (dBµV/m)	Margin (dB)	Result
5150.0	47.18	0.4	47.58	54.0	6.42	Complied
5091.1	47.20	0.4	47.60	54.0	6.4	Complied

Results: CH 46 / Upper Band Edge / Peak

Frequency (MHz)	Peak Level (dBµV/m)	Peak Limit (dBµV/m)	Margin (dB)	Result
5350.0	57.95	68.2	10.25	Complied
5463.5	59.61	68.2	8.59	Complied

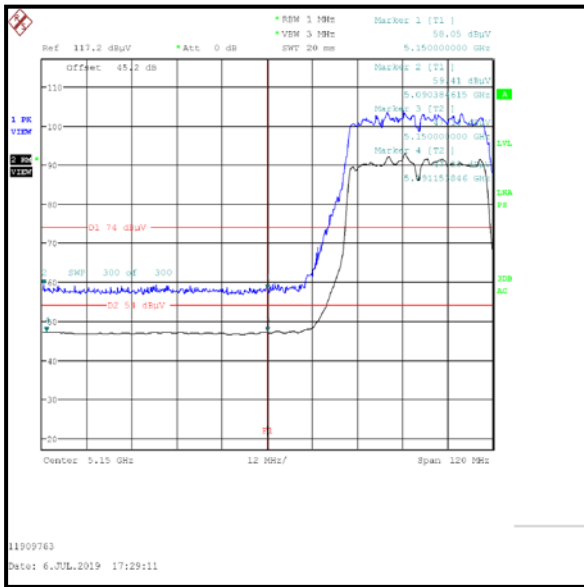
Results: CH 46 / Upper Band Edge / Average

Frequency (MHz)	Average Level (dBµV/m)	Duty Cycle Correction (dB)	Corrected Average Level (dBµV/m)	Average Limit (dBµV/m)	Margin (dB)	Result
5350.0	47.09	0.4	47.49	54.0	6.51	Complied
5361.2	47.32	0.4	47.72	54.0	6.28	Complied

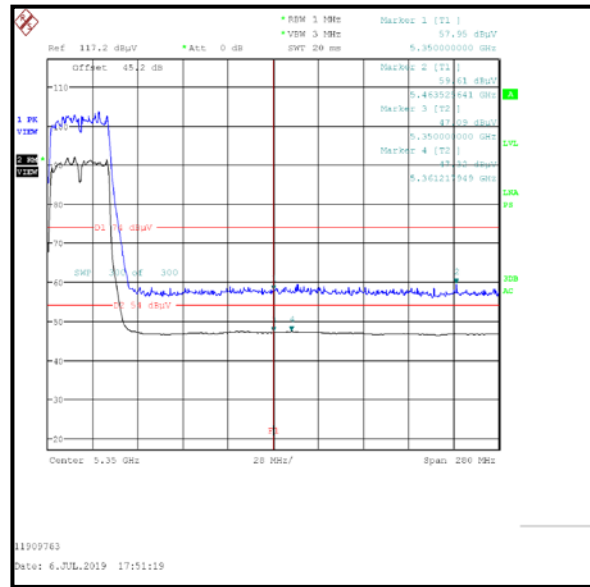
Result: Pass

Transmitter Band Edge Radiated Emissions (continued)

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



Lower Band Edge Measurement



Upper Band Edge Measurement

Result: **Pass**

Transmitter Band Edge Radiated Emissions (continued)

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

Results: CH 42 / Lower Band Edge / Peak

Frequency (MHz)	Peak Level (dBµV/m)	Peak Limit (dBµV/m)	Margin (dB)	Result
5150.0	57.47	68.2	10.73	Complied
5146.7	59.76	68.2	8.44	Complied

Results: CH 42 / Lower Band Edge / Average

Frequency (MHz)	Average Level (dBµV/m)	Duty Cycle Correction (dB)	Corrected Average Level (dBµV/m)	Average Limit (dBµV/m)	Margin (dB)	Result
5150.0	47.28	0.5	47.78	54.0	6.22	Complied
5120.1	47.33	0.5	47.83	54.0	6.17	Complied

Results: CH 42 / Upper Band Edge / Peak

Frequency (MHz)	Peak Level (dBµV/m)	Peak Limit (dBµV/m)	Margin (dB)	Result
5350.0	58.10	68.2	10.10	Complied
5365.0	59.96	68.2	8.24	Complied

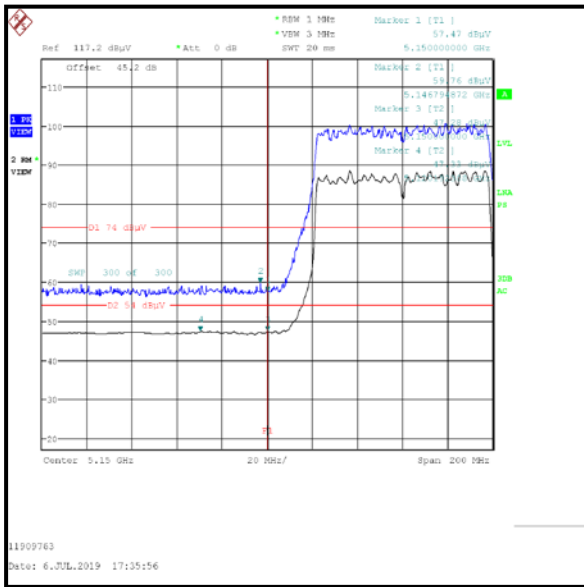
Results: CH 42 / Upper Band Edge / Average

Frequency (MHz)	Average Level (dBµV/m)	Duty Cycle Correction (dB)	Corrected Average Level (dBµV/m)	Average Limit (dBµV/m)	Margin (dB)	Result
5350.0	47.21	0.5	47.71	54.0	6.29	Complied
5359.2	47.38	0.5	47.88	54.0	6.12	Complied

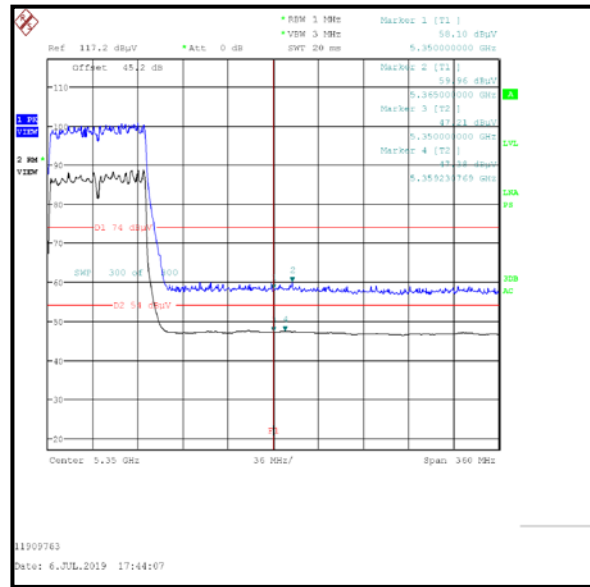
Result: Pass

Transmitter Band Edge Radiated Emissions (continued)

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



Lower Band Edge Measurement



Upper Band Edge Measurement

Result: Pass

Transmitter Band Edge Radiated Emissions (continued)

Results: 802.11a / 20 MHz / 6 Mbit / MIMO / Port 1+2+3+4 / PWL 9 / 23 dBi Antenna Group

Results: CH 36 / Lower Band Edge / Peak

Frequency (MHz)	Peak Level (dBµV/m)	Peak Limit (dBµV/m)	Margin (dB)	Result
5150.0	57.04	68.2	11.16	Complied
5116.025	59.23	68.2	8.97	Complied

Results: CH 36 / Lower Band Edge / Average

Frequency (MHz)	Average Level (dBµV/m)	Duty Cycle Correction (dB)	Corrected Average Level (dBµV/m)	Average Limit (dBµV/m)	Margin (dB)	Result
5150.0	46.68	0.3	46.98	54.0	7.02	Complied
5120.256	47.05	0.3	47.35	54.0	6.65	Complied

Results: CH 48 / Upper Band Edge / Peak

Frequency (MHz)	Peak Level (dBµV/m)	Peak Limit (dBµV/m)	Margin (dB)	Result
5350.0	62.23	68.2	5.97	Complied
5400.384	64.07	68.2	4.13	Complied

Results: CH 48 / Upper Band Edge / Average

Frequency (MHz)	Average Level (dBµV/m)	Duty Cycle Correction (dB)	Corrected Average Level (dBµV/m)	Average Limit (dBµV/m)	Margin (dB)	Result
5350.0	51.68	0.3	51.98	54.0	2.02	Complied
5357.692	51.79	0.3	52.09	54.0	1.91	Complied

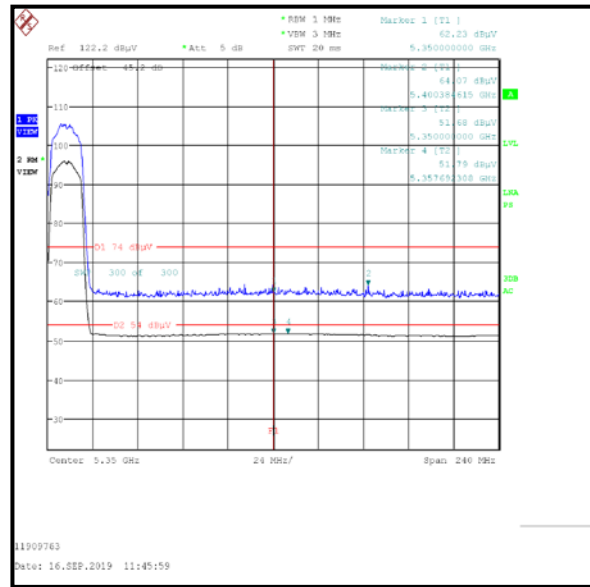
Result: **Pass**

Transmitter Band Edge Radiated Emissions (continued)

Results: 802.11a / 20 MHz / 6 Mbit / MIMO / Port 1+2+3+4 / PWL 7 / 23 dBi Antenna Group



Lower Band Edge Measurement



Upper Band Edge Measurement

Result: **Pass**

Transmitter Band Edge Radiated Emissions (continued)**Results: 802.11n / 20 MHz / MCS0 / MIMO / Port 1+2+3+4 / PWL 7 / 23 dBi Antenna Group****Results: CH 36 / Lower Band Edge / Peak**

Frequency (MHz)	Peak Level (dB μ V/m)	Peak Limit (dB μ V/m)	Margin (dB)	Result
5150.0	57.85	68.2	10.35	Complied
5122.692	59.84	68.2	8.36	Complied

Results: CH 36 / Lower Band Edge / Average

Frequency (MHz)	Average Level (dB μ V/m)	Duty Cycle Correction (dB)	Corrected Average Level (dB μ V/m)	Average Limit (dB μ V/m)	Margin (dB)	Result
5150.0	46.86	0.5	47.36	54.0	6.64	Complied
5123.717	47.24	0.5	47.74	54.0	6.26	Complied

Results: CH 48 / Upper Band Edge / Peak

Frequency (MHz)	Peak Level (dB μ V/m)	Peak Limit (dB μ V/m)	Margin (dB)	Result
5350.0	62.63	68.2	5.57	Complied
5354.615	65.06	68.2	3.14	Complied

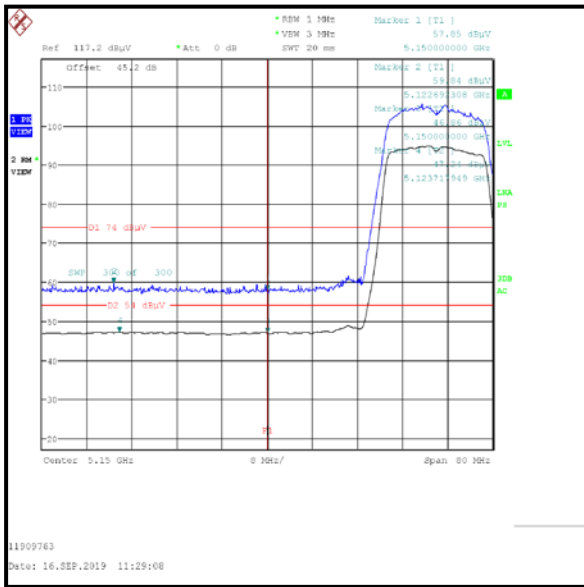
Results: CH 48 / Upper Band Edge / Average

Frequency (MHz)	Average Level (dB μ V/m)	Duty Cycle Correction (dB)	Corrected Average Level (dB μ V/m)	Average Limit (dB μ V/m)	Margin (dB)	Result
5350.0	51.64	0.5	52.14	54.0	1.86	Complied
5360.384	51.77	0.5	52.27	54.0	1.73	Complied

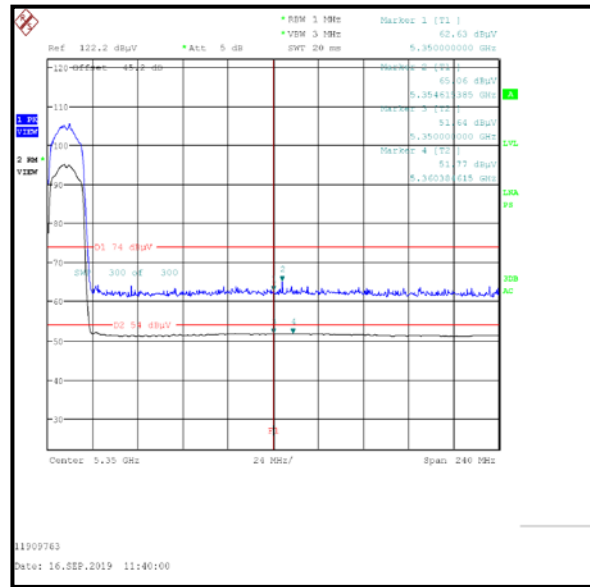
Result: Pass

Transmitter Band Edge Radiated Emissions (continued)

Results: 802.11n / 20 MHz / MCS0 / MIMO / Port 1+2+3+4 / PWL 7 / 23 dBi Antenna Group



Lower Band Edge Measurement



Upper Band Edge Measurement

Result: **Pass**

Transmitter Band Edge Radiated Emissions (continued)

Results: 802.11ac / 20 MHz / MCS0 / MIMO / Port 1+2+3+4 / PWL 7 / 23 dBi Antenna Group

Results: CH 36 / Lower Band Edge / Peak

Frequency (MHz)	Peak Level (dBµV/m)	Peak Limit (dBµV/m)	Margin (dB)	Result
5150.0	57.66	68.2	10.54	Complied
5125.512	59.33	68.2	8.87	Complied

Results: CH 36 / Lower Band Edge / Average

Frequency (MHz)	Average Level (dBµV/m)	Duty Cycle Correction (dB)	Corrected Average Level (dBµV/m)	Average Limit (dBµV/m)	Margin (dB)	Result
5150.0	46.84	0.4	47.24	54.0	6.76	Complied
5123.589	47.21	0.4	47.61	54.0	6.39	Complied

Results: CH 48 / Upper Band Edge / Peak

Frequency (MHz)	Peak Level (dBµV/m)	Peak Limit (dBµV/m)	Margin (dB)	Result
5350.0	62.08	68.2	6.12	Complied
5376.538	64.32	68.2	3.88	Complied

Results: CH 48 / Upper Band Edge / Average

Frequency (MHz)	Average Level (dBµV/m)	Duty Cycle Correction (dB)	Corrected Average Level (dBµV/m)	Average Limit (dBµV/m)	Margin (dB)	Result
5350.0	51.61	0.4	52.01	54.0	1.99	Complied
5359.615	51.79	0.4	52.19	54.0	1.81	Complied

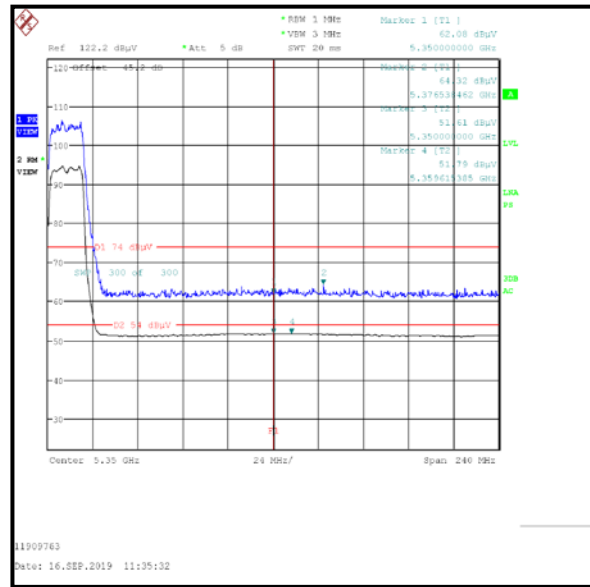
Result: Pass

Transmitter Band Edge Radiated Emissions (continued)

Results: 802.11ac / 20 MHz / MCS0 / MIMO / Port 1+2+3+4 / PWL 7 / 23 dBi Antenna Group



Lower Band Edge Measurement



Upper Band Edge Measurement

Result: **Pass**

Transmitter Band Edge Radiated Emissions (continued)

Results: 802.11n / 40 MHz / MCS0 / MIMO / Port 1+2+3+4 / PWL 9 / 23 dBi Antenna Group

Results: CH 38 / Lower Band Edge / Peak

Frequency (MHz)	Peak Level (dBµV/m)	Peak Limit (dBµV/m)	Margin (dB)	Result
5150.0	56.79	68.2	11.41	Complied
5090.9	59.59	68.2	8.61	Complied

Results: CH 38 / Lower Band Edge / Average

Frequency (MHz)	Average Level (dBµV/m)	Duty Cycle Correction (dB)	Corrected Average Level (dBµV/m)	Average Limit (dBµV/m)	Margin (dB)	Result
5150.0	46.62	0.4	47.02	54.0	6.98	Complied
5090.9	47.05	0.4	47.45	54.0	6.55	Complied

Results: CH 46 / Upper Band Edge / Peak

Frequency (MHz)	Peak Level (dBµV/m)	Peak Limit (dBµV/m)	Margin (dB)	Result
5350.0	58.14	68.2	10.06	Complied
5357.1	59.54	68.2	8.66	Complied

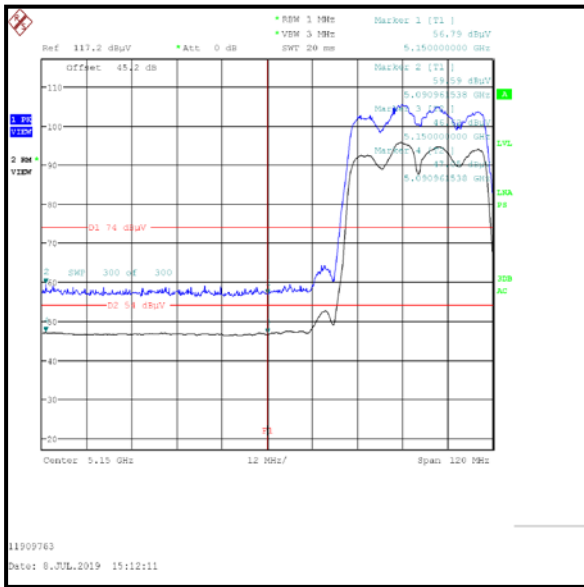
Results: CH 46 / Upper Band Edge / Average

Frequency (MHz)	Average Level (dBµV/m)	Duty Cycle Correction (dB)	Corrected Average Level (dBµV/m)	Average Limit (dBµV/m)	Margin (dB)	Result
5350.0	46.75	0.4	47.15	54.0	6.85	Complied
5363.0	47.08	0.4	47.48	54.0	6.52	Complied

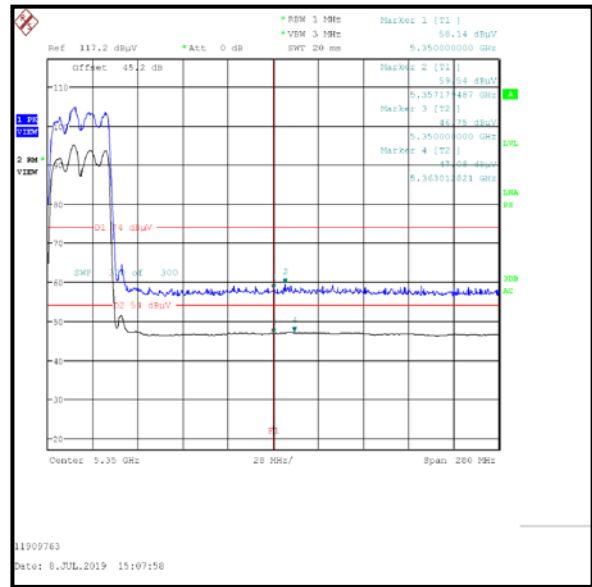
Result: Pass

Transmitter Band Edge Radiated Emissions (continued)

Results: 802.11n / 40 MHz / MCS0 / MIMO / Port 1+2+3+4 / PWL 9 / 23 dBi Antenna Group



Lower Band Edge Measurement



Upper Band Edge Measurement

Result: Pass

Transmitter Band Edge Radiated Emissions (continued)**Results: 802.11ac / 40 MHz / MCS0 / MIMO / Port 1+2+3+4 / PWL 9 / 23 dBi Antenna Group****Results: CH 38 / Lower Band Edge / Peak**

Frequency (MHz)	Peak Level (dB μ V/m)	Peak Limit (dB μ V/m)	Margin (dB)	Result
5150.0	57.80	68.2	10.4	Complied
5091.1	59.96	68.2	8.24	Complied

Results: CH 38 / Lower Band Edge / Average

Frequency (MHz)	Average Level (dB μ V/m)	Duty Cycle Correction (dB)	Corrected Average Level (dB μ V/m)	Average Limit (dB μ V/m)	Margin (dB)	Result
5150.0	47.12	0.4	47.52	54.0	6.48	Complied
5148.2	47.41	0.4	47.81	54.0	6.19	Complied

Results: CH 46 / Upper Band Edge / Peak

Frequency (MHz)	Peak Level (dB μ V/m)	Peak Limit (dB μ V/m)	Margin (dB)	Result
5350.0	58.24	68.2	9.96	Complied
5386.3	59.55	68.2	8.65	Complied

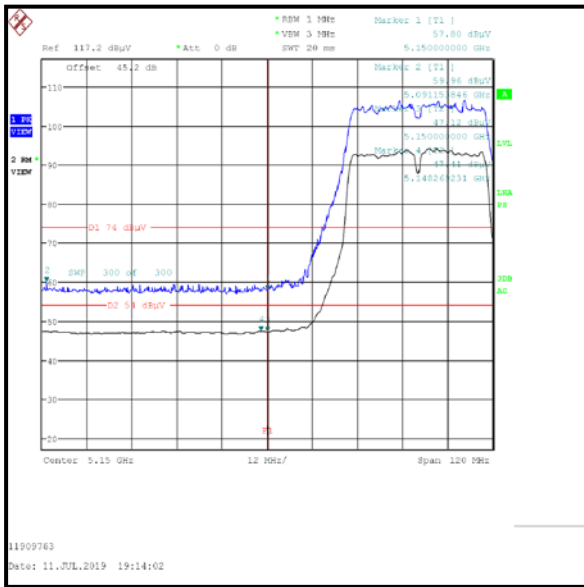
Results: CH 46 / Upper Band Edge / Average

Frequency (MHz)	Average Level (dB μ V/m)	Duty Cycle Correction (dB)	Corrected Average Level (dB μ V/m)	Average Limit (dB μ V/m)	Margin (dB)	Result
5350.0	47.17	0.4	47.57	54.0	6.43	Complied
5362.5	47.44	0.4	47.84	54.0	6.16	Complied

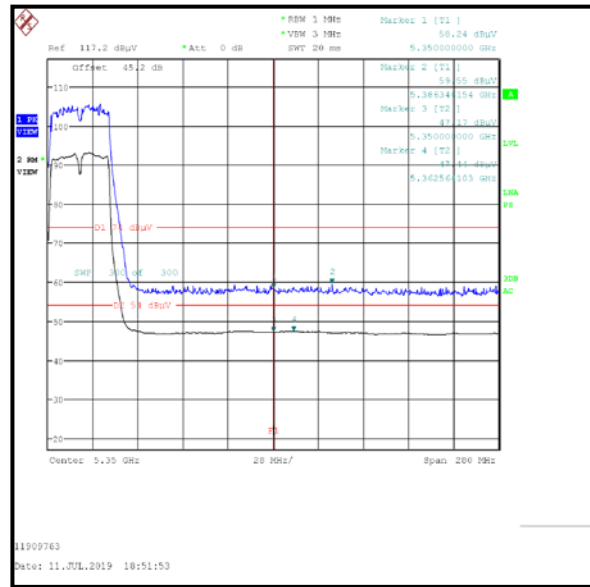
Result: Pass

Transmitter Band Edge Radiated Emissions (continued)

Results: 802.11ac / 40 MHz / MCS0 / MIMO / Port 1+2+3+4 / PWL 9 / 23 dBi Antenna Group



Lower Band Edge Measurement



Upper Band Edge Measurement

Result: Pass

Transmitter Band Edge Radiated Emissions (continued)**Results: 802.11ac / 80 MHz / MCS0 / MIMO / Port 1+2+3+4 / PWL 9 / 23 dBi Antenna Group****Results: CH 42 / Lower Band Edge / Peak**

Frequency (MHz)	Peak Level (dB μ V/m)	Peak Limit (dB μ V/m)	Margin (dB)	Result
5150.0	59.36	68.2	8.84	Complied
5116.6	60.72	68.2	7.48	Complied

Results: CH 42 / Lower Band Edge / Average

Frequency (MHz)	Average Level (dB μ V/m)	Duty Cycle Correction (dB)	Corrected Average Level (dB μ V/m)	Average Limit (dB μ V/m)	Margin (dB)	Result
5150.0	47.35	0.5	47.85	54.0	6.15	Complied
5148.7	47.50	0.5	48.00	54.0	6	Complied

Results: CH 42 / Upper Band Edge / Peak

Frequency (MHz)	Peak Level (dB μ V/m)	Peak Limit (dB μ V/m)	Margin (dB)	Result
5350.0	58.05	68.2	10.15	Complied
5367.8	59.61	68.2	8.59	Complied

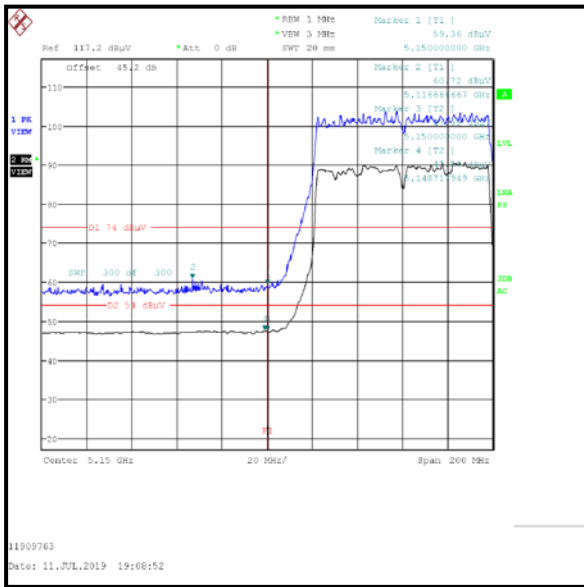
Results: CH 42 / Upper Band Edge / Average

Frequency (MHz)	Average Level (dB μ V/m)	Duty Cycle Correction (dB)	Corrected Average Level (dB μ V/m)	Average Limit (dB μ V/m)	Margin (dB)	Result
5350.0	47.20	0.5	47.70	54.0	6.3	Complied
5360.3	47.47	0.5	47.97	54.0	6.03	Complied

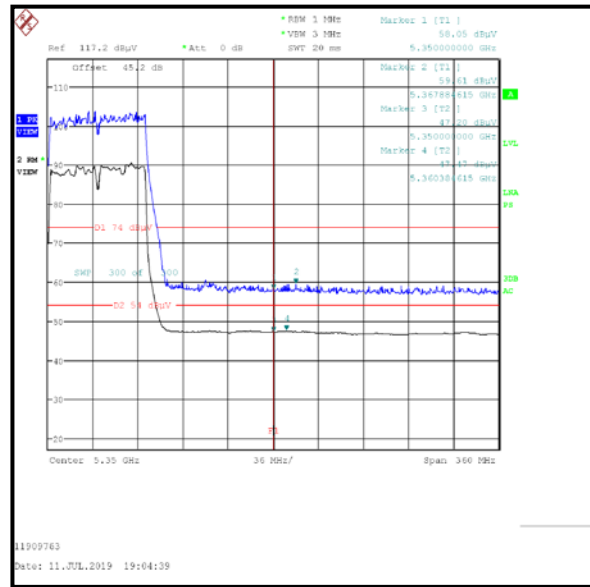
Result: Pass

Transmitter Band Edge Radiated Emissions (continued)

Results: 802.11ac / 80 MHz / MCS0 / MIMO / Port 1+2+3+4 / PWL 9 / 23 dBi Antenna Group



Lower Band Edge Measurement



Upper Band Edge Measurement

Result: **Pass**

6. Measurement Uncertainty

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

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

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

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

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

7. Used equipment

Test site: SR 1/2

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

Test site: SR 7/8

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

Test site: SR 9

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

8. Report Revision History

Version Number	Revision Details		
	Page No(s)	Clause	Details
1.0	827	-	Initial Version