

2TX Chain 0 + Chain 1 OFDMA MODE – 26-Tones

Bandwidth and Antenna Gain

Channel / RU Index	Frequency (MHz)	Min 26 dB BW (MHz)	Min 99% BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)
Low / RU0	5510	19.80	18.113	6.45	6.45
Mid / RU8	5550	20.70	18.733	6.45	6.45
High / RU17	5670	21.10	17.908	6.45	6.45
142 / RU17*	5710	19.80	18.367	6.45	6.45

Limits

Channel / RU Index	Frequency (MHz)	FCC Power Limit (dBm)	ISED Power Limit (dBm)	ISED EIRP Limit (dBm)	Power Limit (dBm)	FCC PSD Limit (dBm/1MHz)	ISED PSD Limit (dBm/1MHz)
Low / RU0	5510	23.52	23.58	29.58	23.13	10.55	11.00
Mid / RU8	5550	23.55	23.73	29.73	23.28	10.55	11.00
High / RU17	5670	23.55	23.53	29.53	23.08	10.55	11.00
142 / RU17*	5710	23.52	23.64	29.64	23.19	10.55	11.00

Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

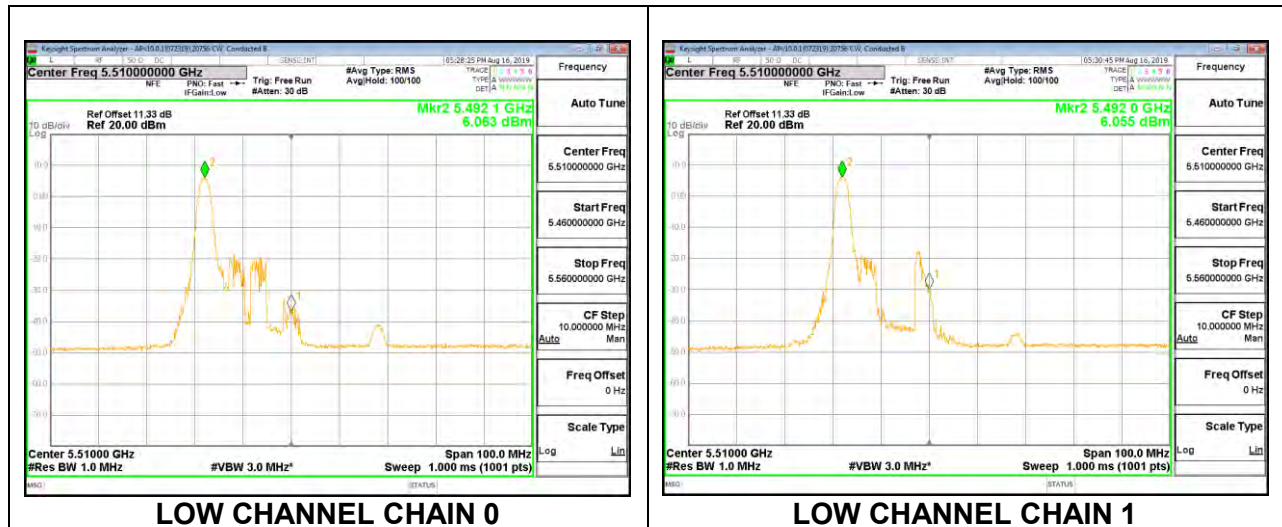
Channel / RU Index	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low / RU0	5510	8.50	8.59	11.56	23.13	-11.57
Mid / RU8	5550	8.23	8.45	11.35	23.28	-11.92
High / RU17	5670	8.03	8.52	11.29	23.08	-11.79
142 / RU17*	5710	8.15	8.22	11.20	23.19	-11.99

PSD Results

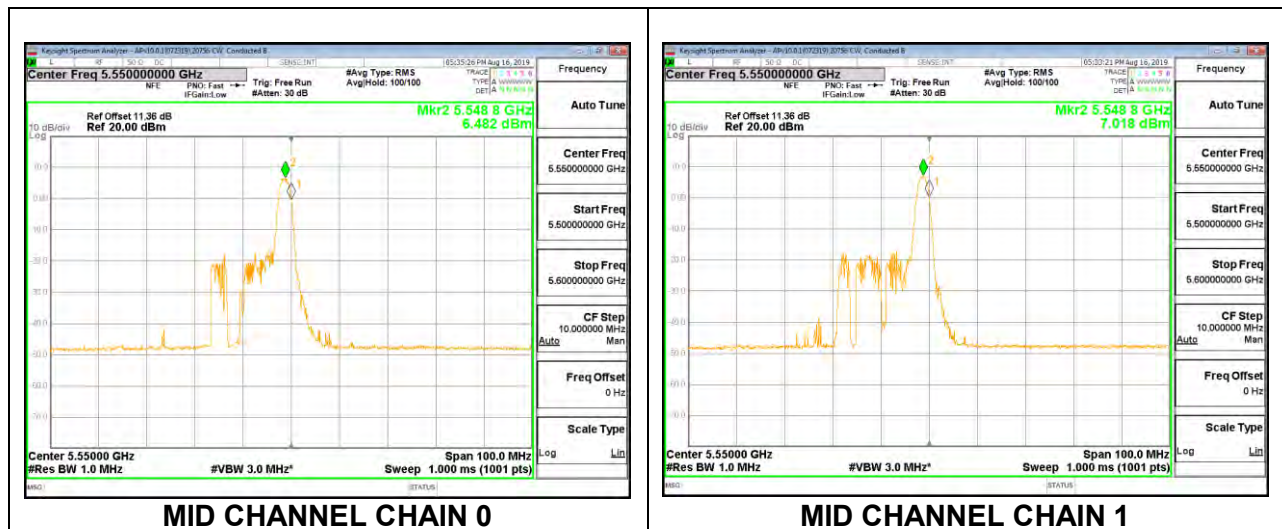
Channel / RU Index	Frequency (MHz)	Chain 0 Meas PSD (dBm/1MHz)	Chain 1 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low / RU0	5510	6.063	6.055	9.069	10.55	-1.48
Mid / RU8	5550	6.482	7.018	9.769	10.55	-0.78
High / RU17	5670	6.595	6.961	9.792	10.55	-0.76
142 / RU17*	5710	6.617	7.003	9.825	10.55	-0.73

*As per the calculation in this formula, Measured total bandwidth(99%) / 2 - 3 MHz, the worst case bandwidth is 6.1835 MHz.
Based on the 6.1835 MHz bandwidth for the portion that the straddle channel occupies in the UNII-2C band, the calculated worst case power limit is $17 + 10 \cdot \log(6.1835) - 6.45 = 18.46$ dBm.
The total signal power is 11.2 dBm which is less than the limit of 18.46 dBm.

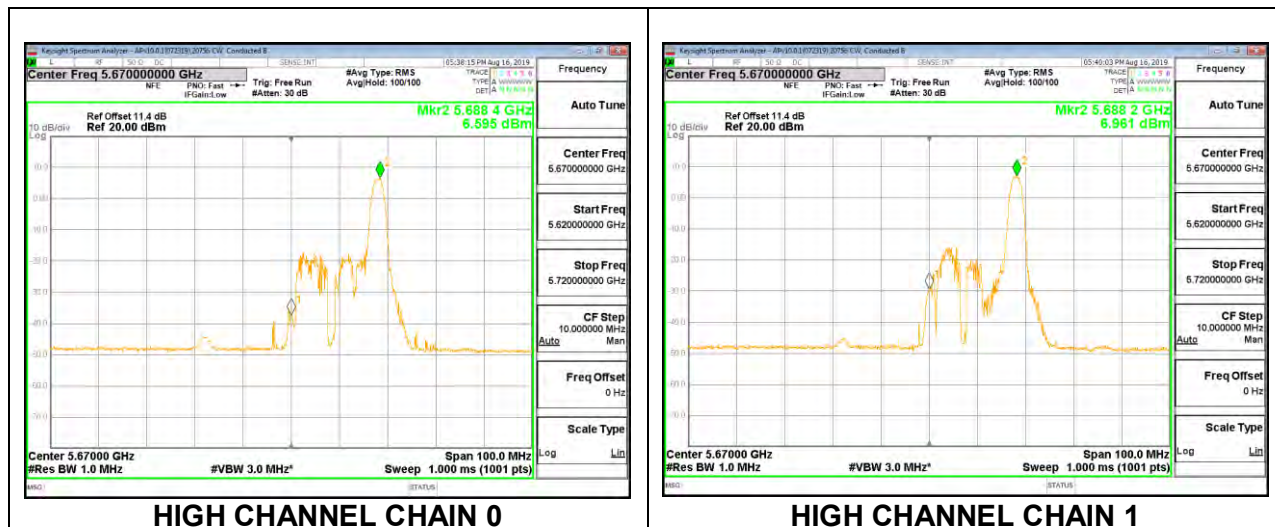
RU Index 0



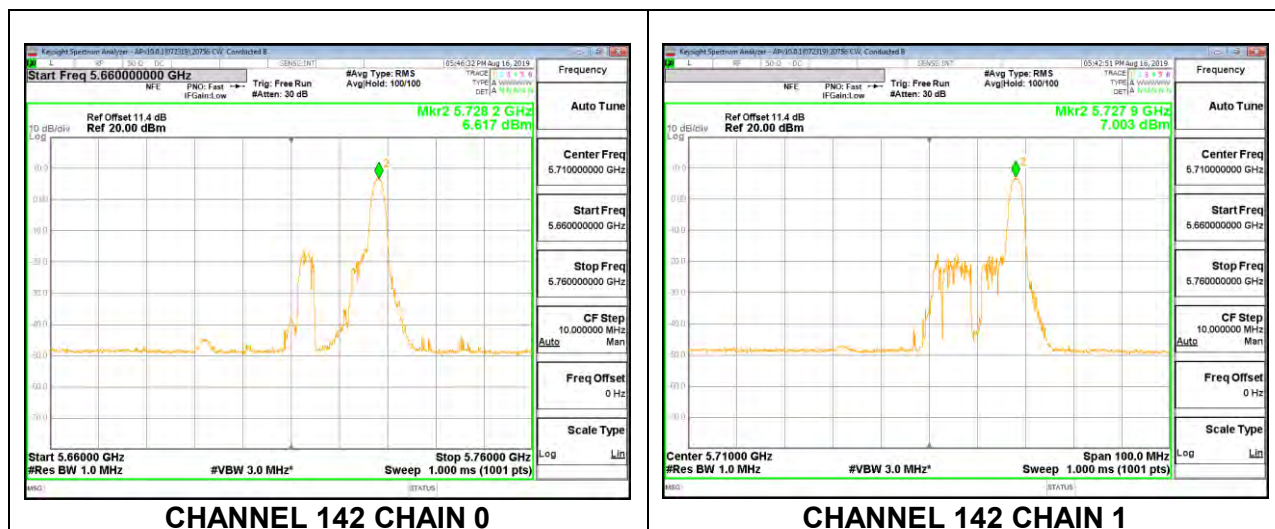
RU Index 8



RU Index 17



RU Index 17



8.4.3. 802.11ax HE80 MODE IN THE 5.6 GHz BAND (FCC+IC)

Note for Straddle Channel: Total power and Highest PSD across the entire channel meets the UNII-2C limits thus UNII-3 limits and therefore compliant.

2TX Chain 0 + Chain 1 SU MODE

Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Min 99% BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)
Low	5530	84.20	76.6949	6.45	6.45
High	5610	83.40	76.5143	6.45	6.45
138*	5690	83.00	76.656	6.45	6.45

Limits

Channel	Frequency (MHz)	FCC Power Limit (dBm)	ISED Power Limit (dBm)	ISED EIRP Limit (dBm)	Power Limit (dBm)	FCC PSD Limit (dBm/ 1MHz)	ISED PSD Limit (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)
Low	5530	23.55	24.00	30.00	23.55	10.55	11.00	10.55
High	5610	23.55	24.00	30.00	23.55	10.55	11.00	10.55
138*	5690	23.55	24.00	30.00	23.55	10.55	11.00	10.55

Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5530	16.29	16.20	19.26	23.55	-4.29
High	5610	18.45	18.18	21.33	23.55	-2.22
138*	5690	18.55	18.05	21.32	23.55	-2.23

*The 26dB & 99% signal bandwidth within the 5470-5725 MHz band clearly exceed 20MHz and so the limit for the power within the 5470-5725MHz band is 23.55dBm

2TX Chain 0 + Chain 1 OFDMA MODE – 996-Tones, RU Index 67

Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Min 99% BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)
Low	5530	84.80	76.4314	6.45	6.45
High	5610	84.20	76.3591	6.45	6.45
138*	5690	83.80	76.6620	6.45	6.45

Limits

Channel	Frequency (MHz)	FCC Power Limit (dBm)	ISED Power Limit (dBm)	ISED EIRP Limit (dBm)	Power Limit (dBm)	FCC PSD Limit (dBm/ 1MHz)	ISED PSD Limit (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)
Low	5530	23.55	24.00	30.00	23.55	10.55	11.00	10.55
High	5610	23.55	24.00	30.00	23.55	10.55	11.00	10.55
138*	5690	23.55	24.00	30.00	23.55	10.55	11.00	10.55

Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

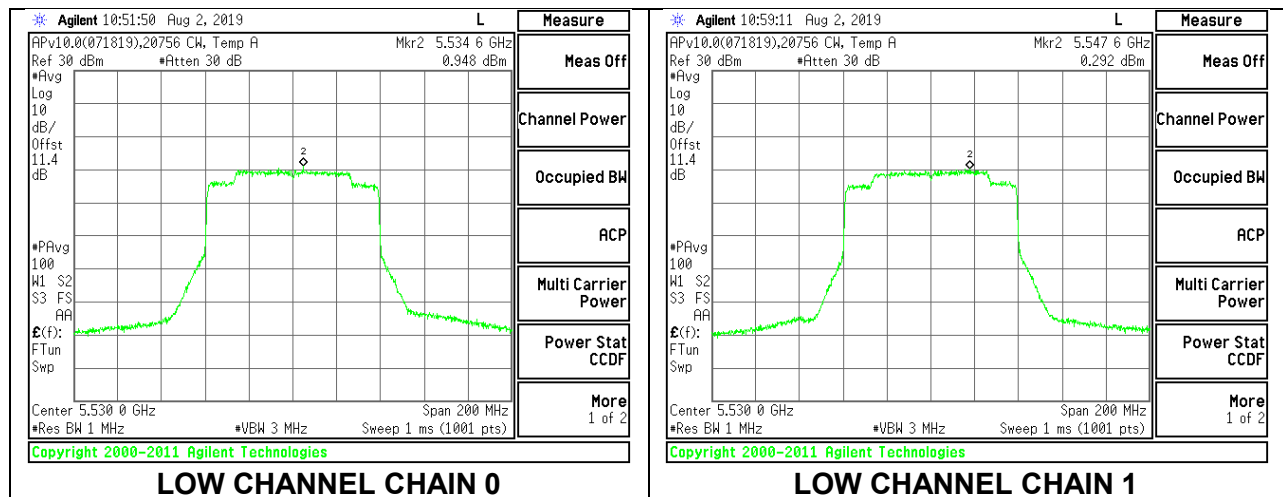
Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5530	16.81	16.91	19.87	23.55	-3.68
High	5610	18.50	18.34	21.43	23.55	-2.12
138*	5690	18.61	18.18	21.41	23.55	-2.14

PSD Results

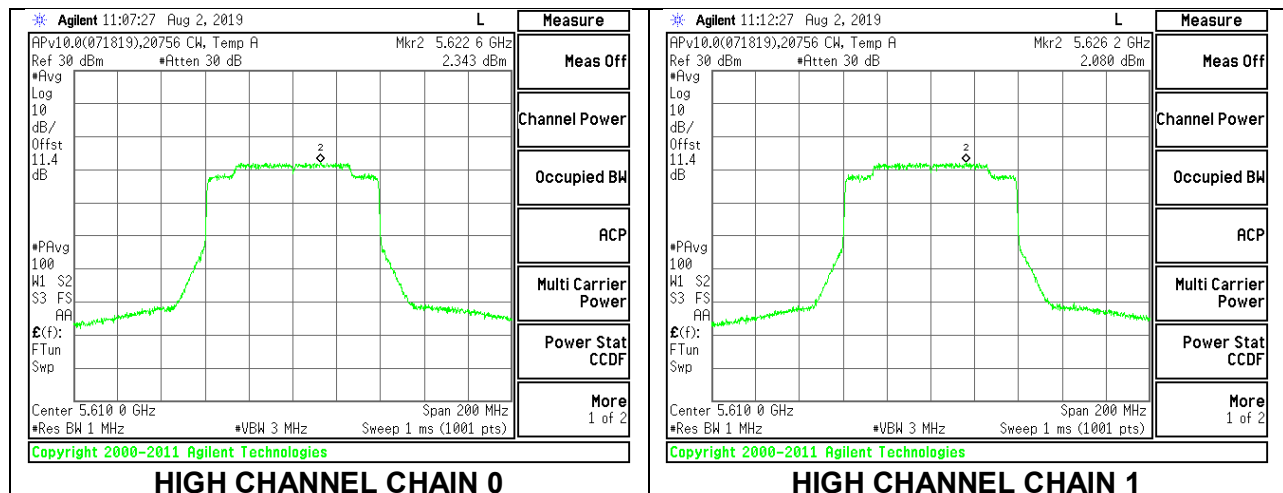
Channel	Frequency (MHz)	Chain 0 Meas PSD (dBm/ 1MHz)	Chain 1 Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5530	0.984	0.292	3.662	10.55	-6.89
High	5610	2.343	2.080	5.224	10.55	-5.33
138*	5690	2.215	2.242	5.239	10.55	-5.31

*The 26dB & 99% signal bandwidth within the 5470-5725 MHz band clearly exceed 20MHz and so the limit for the power within the 5470-5725MHz band is 23.55dBm

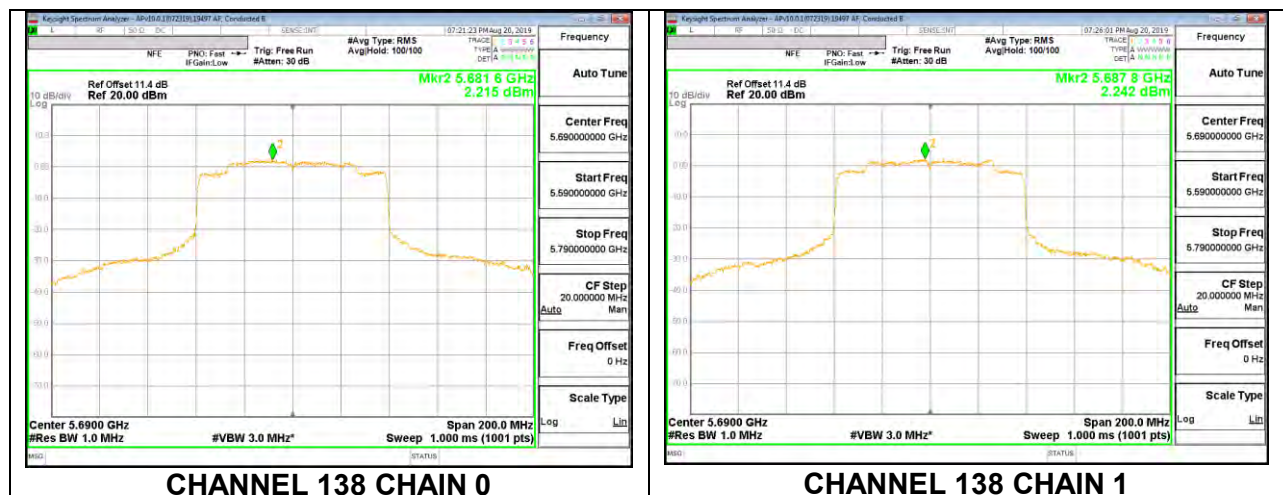
LOW CHANNEL



HIGH CHANNEL



CHANNEL 138



2TX Chain 0 + Chain 1 OFDMA MODE – 484-Tones

Bandwidth and Antenna Gain

Channel / RU Index	Frequency (MHz)	Min 26 dB BW (MHz)	Min 99% BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)
Low / RU65	5530	44.00	37.8990	6.45	6.45
High / RU66	5610	44.40	37.6573	6.45	6.45
138 / RU66*	5690	44.60	37.630	6.45	6.45

Limits

Channel / RU Index	Frequency (MHz)	FCC Power Limit (dBm)	ISED Power Limit (dBm)	ISED EIRP Limit (dBm)	Power Limit (dBm)	FCC PSD Limit (dBm/1MHz)	ISED PSD Limit (dBm/1MHz)	PSD Limit (dBm/1MHz)
Low / RU65	5530	23.55	24.00	30.00	23.55	10.55	11.00	10.55
High / RU66	5610	23.55	24.00	30.00	23.55	10.55	11.00	10.55
138 / RU66*	5690	23.55	24.00	30.00	23.55	10.55	11.00	10.55

Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

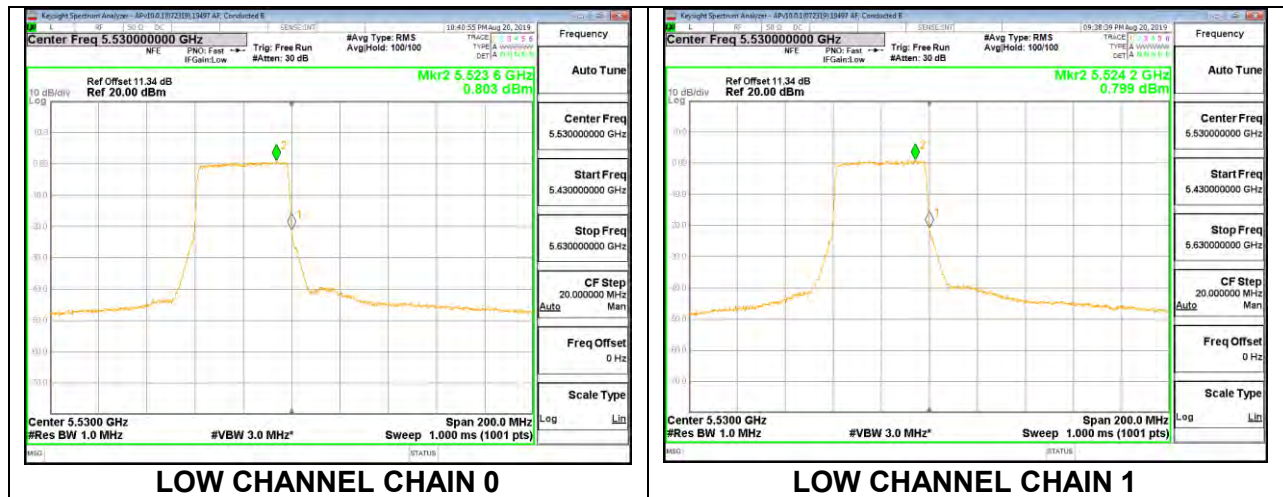
Channel / RU Index	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low / RU65	5530	15.59	15.54	18.58	23.55	-4.97
High / RU66	5610	18.42	17.90	21.18	23.55	-2.37
138 / RU66*	5690	18.51	18.11	21.32	23.55	-2.23

PSD Results

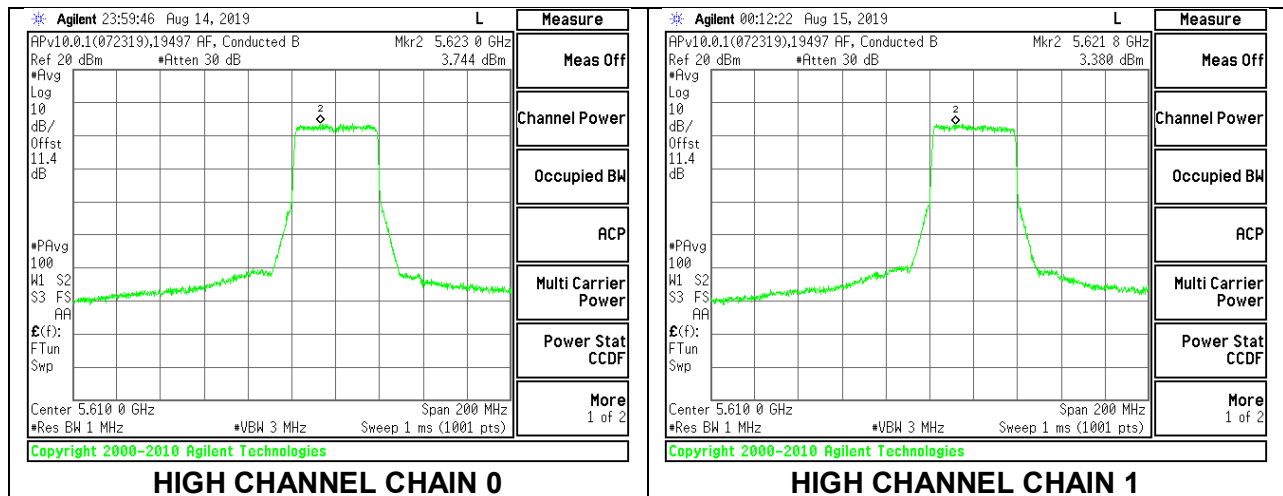
Channel / RU Index	Frequency (MHz)	Chain 0 Meas PSD (dBm/1MHz)	Chain 1 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low / RU65	5530	0.803	0.799	3.811	10.55	-6.74
High / RU66	5610	3.744	3.380	6.576	10.55	-3.97
138 / RU66*	5690	3.151	3.141	6.156	10.55	-4.39

*The 26dB & 99% signal bandwidth within the 5470-5725 MHz band clearly exceed 20MHz and so the limit for the power within the 5470-5725MHz band is 23.55dBm

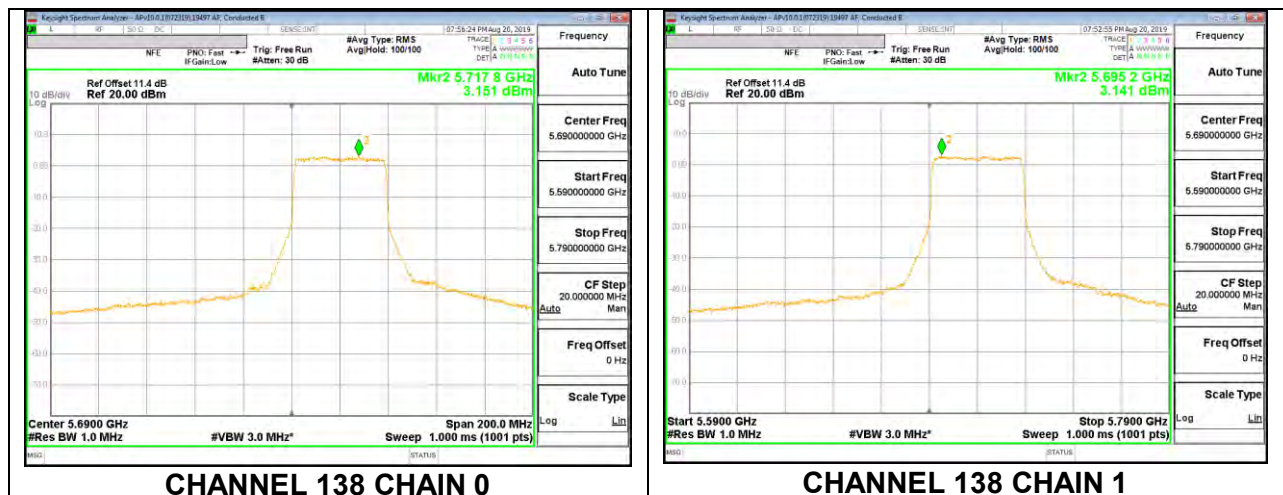
RU Index 65



RU Index 66



RU Index 66



2TX Chain 0 + Chain 1 OFDMA MODE – 242-Tones

Bandwidth and Antenna Gain

Channel / RU Index	Frequency (MHz)	Min 26 dB BW (MHz)	Min 99% BW (MHz)	Directional Gain for Power (dBi)	Direction Gain for PSD (dBi)
Low / RU61	5530	25.00	18.8708	6.45	6.45
Low / RU62	5530	44.20	36.9865	6.45	6.45
High / RU64	5610	25.60	19.2017	6.45	6.45
138 / RU64*	5690	24.40	18.845	6.45	6.45

Limits

Channel / RU Index	Frequency (MHz)	FCC Power Limit (dBm)	ISED Power Limit (dBm)	ISED EIRP Limit (dBm)	Power Limit (dBm)	FCC PSD Limit (dBm/1MHz)	ISED PSD Limit (dBm/1MHz)
Low / RU61	5530	23.55	23.76	29.76	23.31	10.55	11.00
Low / RU62	5530	23.55	24.00	30.00	23.55	10.55	11.00
High / RU64	5610	23.55	23.83	29.83	23.38	10.55	11.00
138 / RU64*	5690	23.55	23.75	29.75	23.30	10.55	11.00

Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

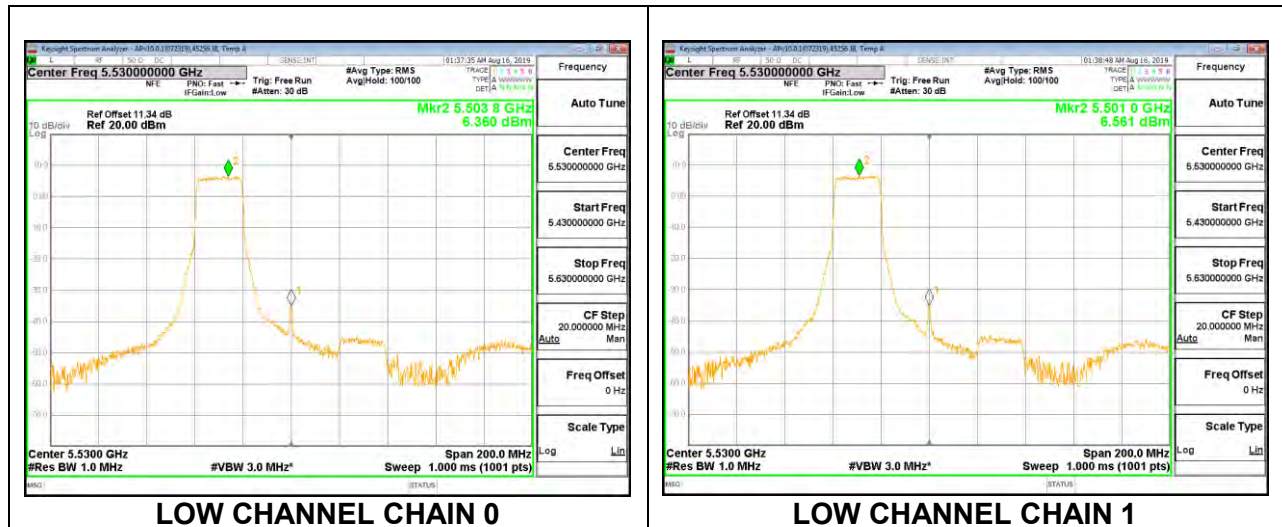
Channel / RU Index	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low / RU61	5530	18.41	18.31	21.37	23.31	-1.94
Low / RU62	5530	18.56	17.93	21.27	23.55	-2.28
High / RU64	5610	18.49	18.43	21.47	23.38	-1.91
138 / RU64*	5690	18.20	17.95	21.09	23.30	-2.21

PSD Results

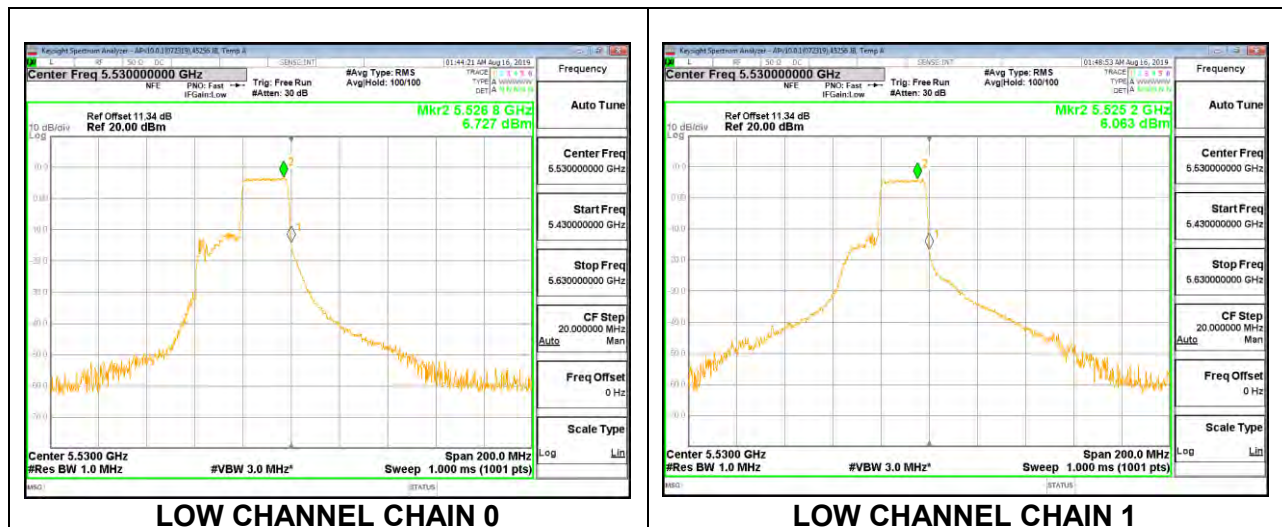
Channel / RU Index	Frequency (MHz)	Chain 0 Meas PSD (dBm/ 1MHz)	Chain 1 Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low / RU61	5530	6.360	6.561	9.472	10.55	-1.08
Low / RU62	5530	6.727	6.063	9.418	10.55	-1.13
High / RU64	5610	6.307	6.293	9.310	10.55	-1.24
138 / RU64*	5690	5.925	6.085	9.016	10.55	-1.53

*As per the calculation in this formula, Measured total bandwidth(99%) / 2 + 5 MHz, the worst case bandwidth is 14.4225 MHz.
Based on the 14.4225 MHz bandwidth for the portion that the straddle channel occupies in the UNII-2C band, the calculated worst case power limit is $17 + 10 \cdot \log(14.4225) - 6.45 = 22.14$ dBm.
The total signal power is 21.09 dBm which is less than the limit of 22.14 dBm.

RU Index 62



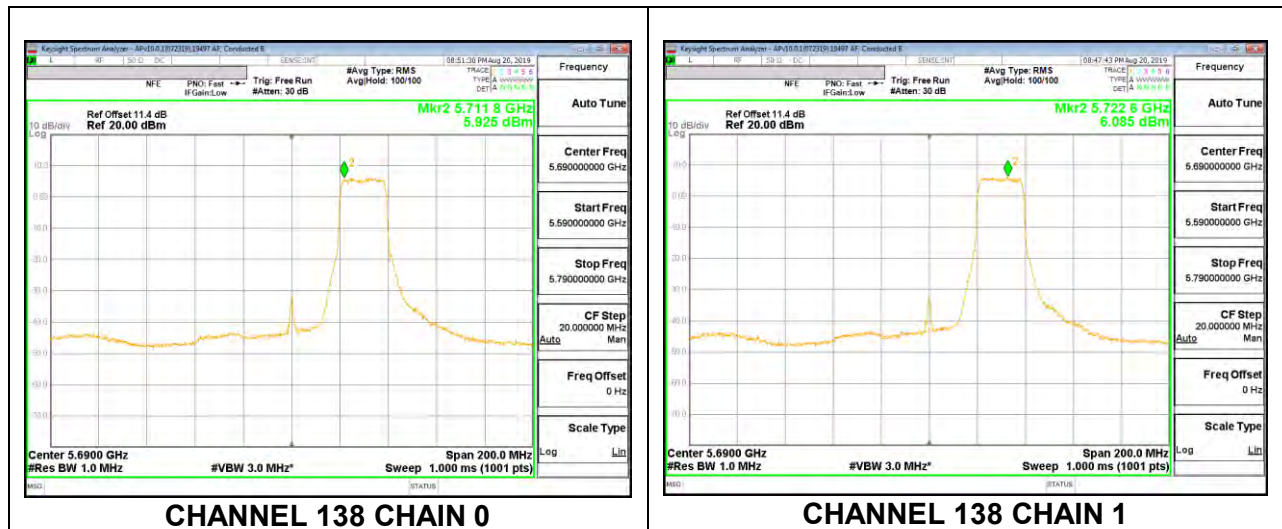
RU Index 62



RU Index 64



RU Index 64



2TX Chain 0 + Chain 1 OFDMA MODE – 106-Tones

Bandwidth and Antenna Gain

Channel / RU Index	Frequency (MHz)	Min 26 dB BW (MHz)	Min 99% BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)
Low / RU53	5530	21.80	18.0732	6.45	6.45
Low / RU56	5530	25.40	17.302	6.45	6.45
High / RU60	5610	23.60	17.756	6.45	6.45
138 / RU60*	5690	26.00	18.2264	6.45	6.45

Limits

Channel / RU Index	Frequency (MHz)	FCC Power Limit (dBm)	ISED Power Limit (dBm)	ISED EIRP Limit (dBm)	Power Limit (dBm)	FCC PSD Limit (dBm/1MHz)	ISED PSD Limit (dBm/1MHz)
Low / RU53	5530	23.55	23.57	29.57	23.12	10.55	11.00
Low / RU56	5530	23.55	23.38	29.38	22.93	10.55	11.00
High / RU60	5610	23.55	23.49	29.49	23.04	10.55	11.00
138 / RU60*	5690	23.55	23.61	29.61	23.16	10.55	11.00

Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

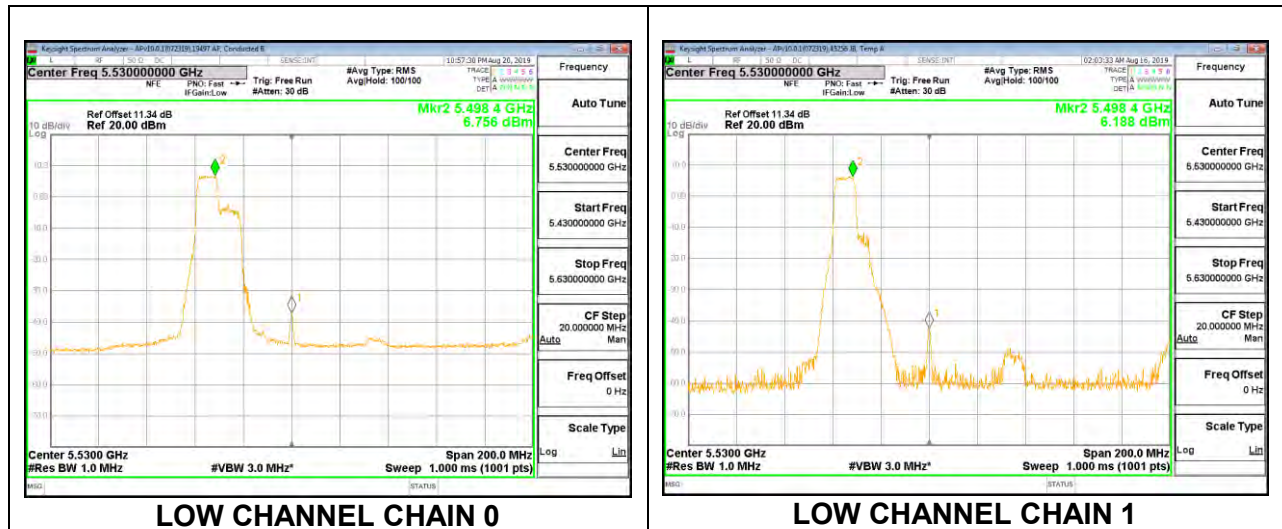
Channel / RU Index	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low / RU53	5530	15.46	15.31	18.40	23.12	-4.72
Low / RU56	5530	15.54	15.34	18.45	22.93	-4.48
High / RU60	5610	14.85	14.81	17.84	23.04	-5.20
138 / RU60*	5690	15.51	15.27	18.40	23.16	-4.76

PSD Results

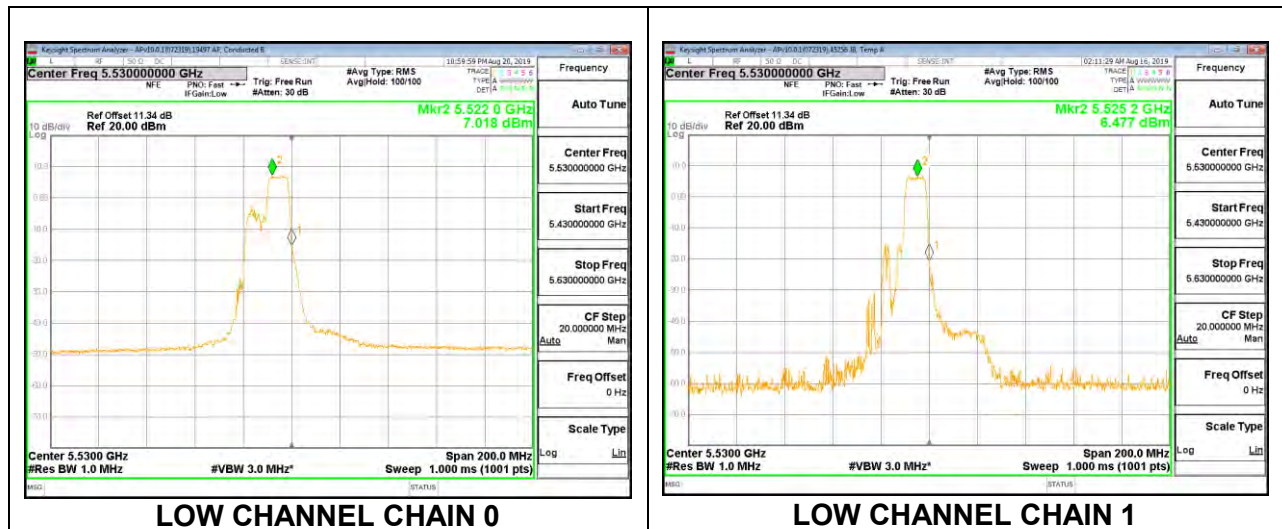
Channel / RU Index	Frequency (MHz)	Chain 0 Meas PSD (dBm/1MHz)	Chain 1 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low / RU53	5530	6.756	6.188	9.492	10.55	-1.06
Low / RU56	5530	7.018	6.477	9.766	10.55	-0.78
High / RU60	5610	6.810	6.120	9.489	10.55	-1.06
138 / RU60*	5690	5.991	6.439	9.231	10.55	-1.32

*As per the calculation in this formula, Measured total bandwidth(99%) / 2, the worst case bandwidth is 9.1132 MHz.
Based on the 9.1132 MHz bandwidth for the portion that the straddle channel occupies in the UNII-2C band, the calculated worst case power limit is $17 + 10 \cdot \log(9.1132) - 6.45 = 20.15$ dBm.
The total signal power is 18.4 dBm which is less than the limit of 20.15 dBm.

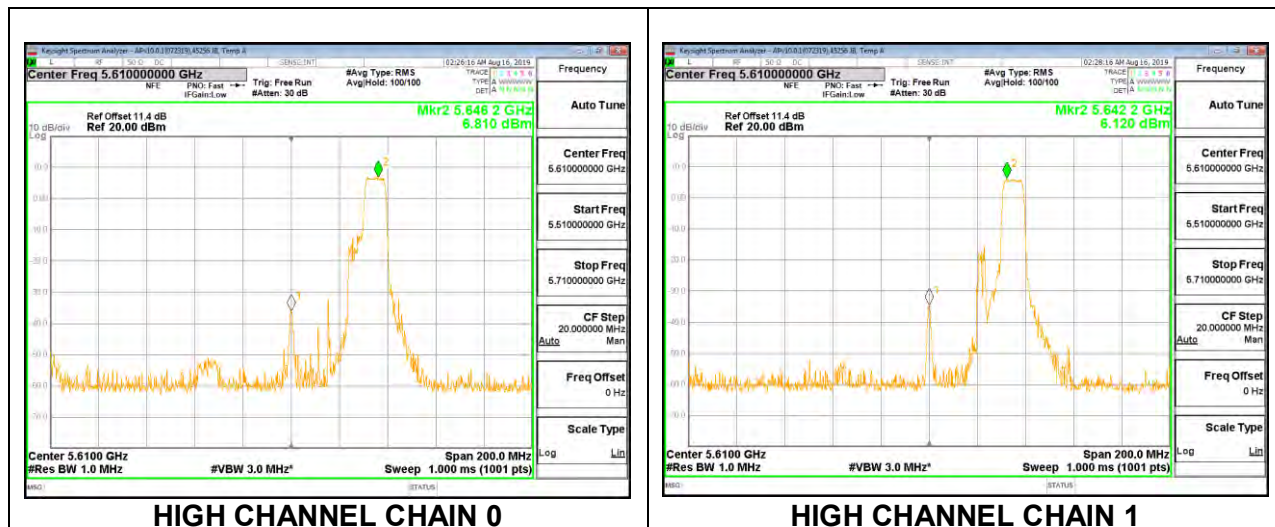
RU Index 53



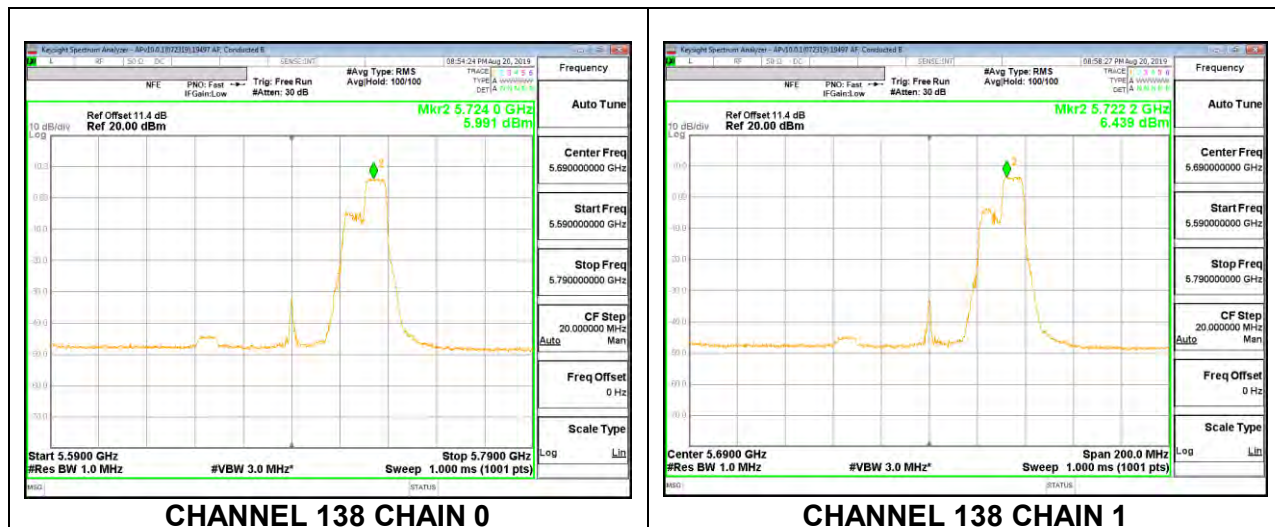
RU Index 56



RU Index 60



RU Index 60



2TX Chain 0 + Chain 1 OFDMA MODE – 52-Tones

Bandwidth and Antenna Gain

Channel / RU Index	Frequency (MHz)	Min 26 dB BW (MHz)	Min 99% BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)
Low / RU37	5530	22.40	17.901	6.45	6.45
Low / RU44	5530	21.20	16.723	6.45	6.45
High / RU52	5610	21.40	17.827	6.45	6.45
138 / RU52*	5690	21.40	17.921	6.45	6.45

Limits

Channel / RU Index	Frequency (MHz)	FCC Power Limit (dBm)	ISED Power Limit (dBm)	ISED EIRP Limit (dBm)	Power Limit (dBm)	FCC PSD Limit (dBm/1MHz)	ISED PSD Limit (dBm/1MHz)
Low / RU37	5530	23.55	23.53	29.53	23.08	10.55	11.00
Low / RU44	5530	23.55	23.23	29.23	22.78	10.55	11.00
High / RU52	5610	23.55	23.51	29.51	23.06	10.55	11.00
138 / RU52*	5690	23.55	23.53	29.53	23.08	10.55	11.00

Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

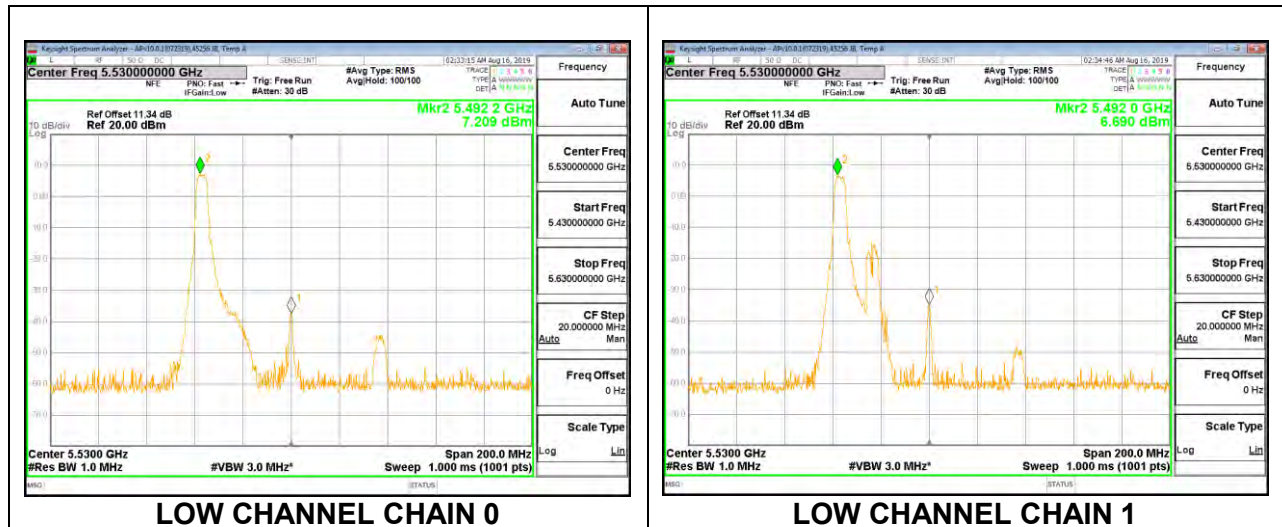
Channel / RU Index	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low / RU37	5530	12.80	12.72	15.77	23.08	-7.31
Low / RU44	5530	12.48	12.31	15.41	22.78	-7.38
High / RU52	5610	11.75	11.89	14.83	23.06	-8.23
138 / RU52*	5690	12.47	12.19	15.34	23.08	-7.74

PSD Results

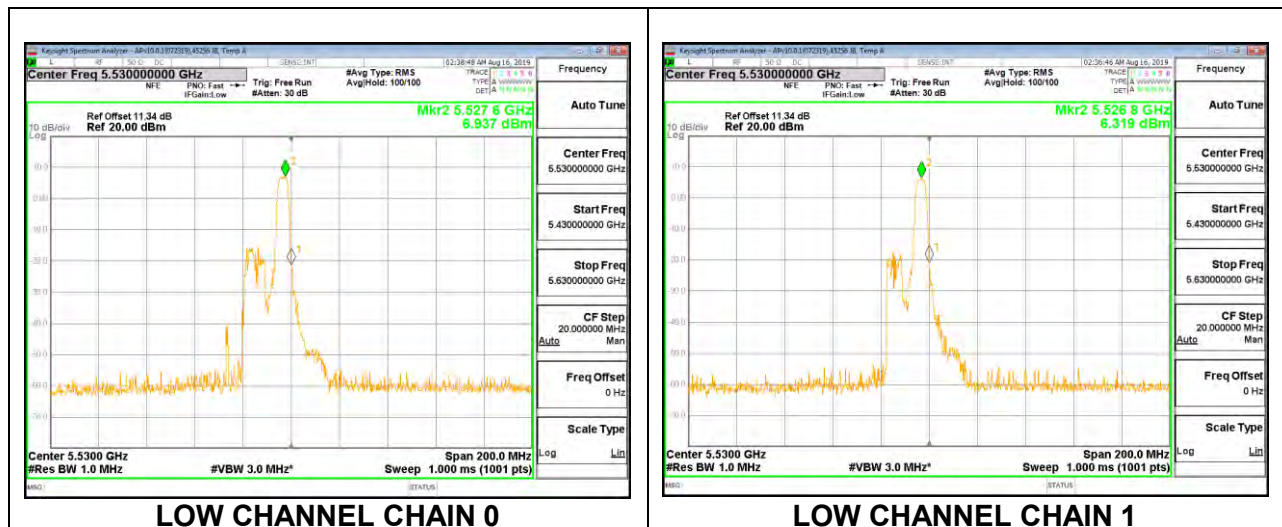
Channel / RU Index	Frequency (MHz)	Chain 0 Meas PSD (dBm/1MHz)	Chain 1 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low / RU37	5530	7.209	6.690	9.968	10.55	-0.58
Low / RU44	5530	6.937	6.319	9.649	10.55	-0.90
High / RU52	5610	6.714	7.289	10.021	10.55	-0.53
138 / RU52*	5690	6.924	7.156	10.052	10.55	-0.50

*As per the calculation in this formula, Measured total bandwidth(99%) / 2 - 2 MHz, the worst case bandwidth is 6.9605 MHz.
Based on the 6.9605 MHz bandwidth for the portion that the straddle channel occupies in the UNII-2C band, the calculated worst case power limit is $17 + 10 \cdot \log(6.9605) - 6.45 = 18.98$ dBm.
The total signal power is 15.34 dBm which is less than the limit of 18.98 dBm.

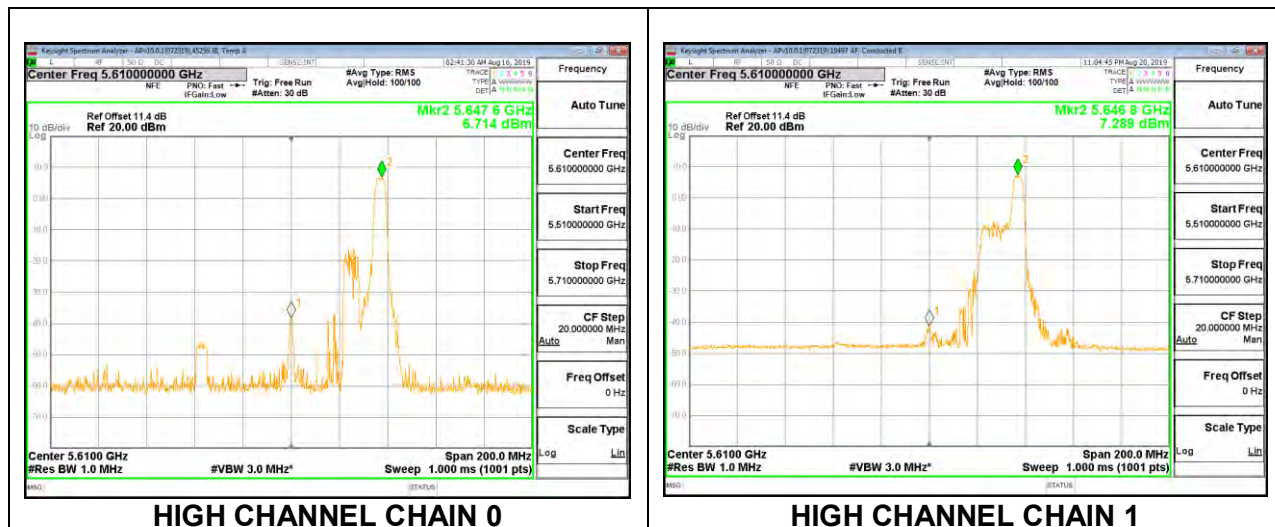
RU Index 37



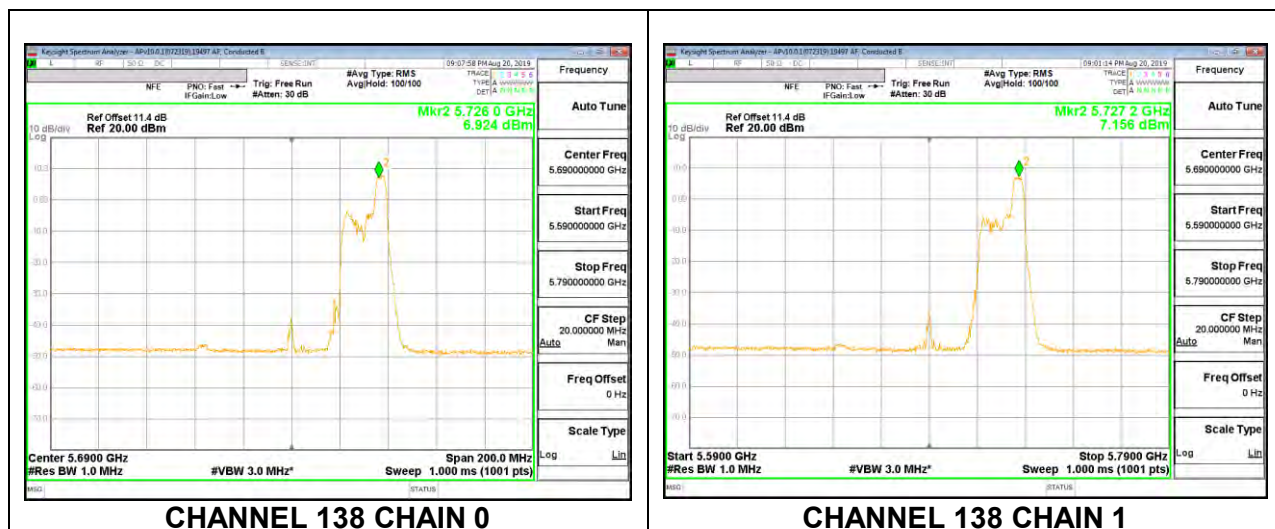
RU Index 44



RU Index 52



RU Index 52



2TX Chain 0 + Chain 1 OFDMA MODE – 26-Tones

Bandwidth and Antenna Gain

Channel / RU Index	Frequency (MHz)	Min 26 dB BW (MHz)	Min 99% BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)
Low / RU0	5530	21.00	18.236	6.45	6.45
Low / RU18	5530	38.80	36.2303	6.45	6.45
High / RU36	5610	20.80	18.040	6.45	6.45
138 / RU36*	5690	21.00	18.041	6.45	6.45

Limits

Channel / RU Index	Frequency (MHz)	FCC Power Limit (dBm)	ISED Power Limit (dBm)	ISED EIRP Limit (dBm)	Power Limit (dBm)	FCC PSD Limit (dBm/1MHz)	ISED PSD Limit (dBm/1MHz)
Low / RU0	5530	23.55	23.61	29.61	23.16	10.55	11.00
Low / RU18	5530	23.55	24.00	30.00	23.55	10.55	11.00
High / RU36	5610	23.55	23.56	29.56	23.11	10.55	11.00
138 / RU36*	5690	23.55	23.56	29.56	23.11	10.55	11.00

Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

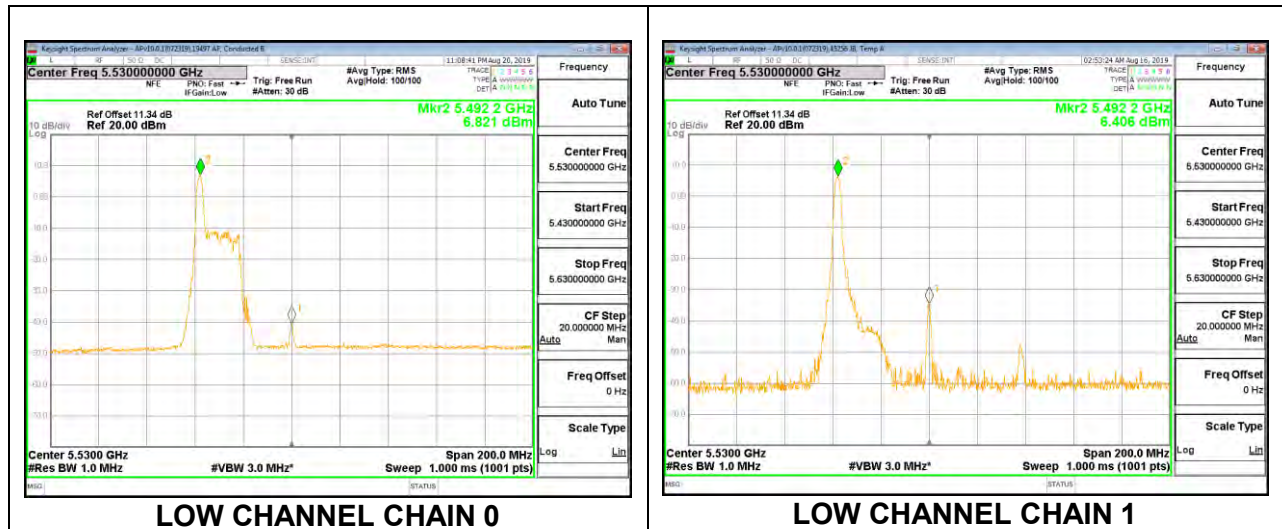
Channel / RU Index	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low / RU0	5530	10.42	10.25	13.35	23.16	-9.81
Low / RU18	5530	10.81	10.41	13.62	23.55	-9.93
High / RU36	5610	9.62	9.61	12.63	23.11	-10.49
138 / RU36*	5690	9.80	9.55	12.69	23.11	-10.43

PSD Results

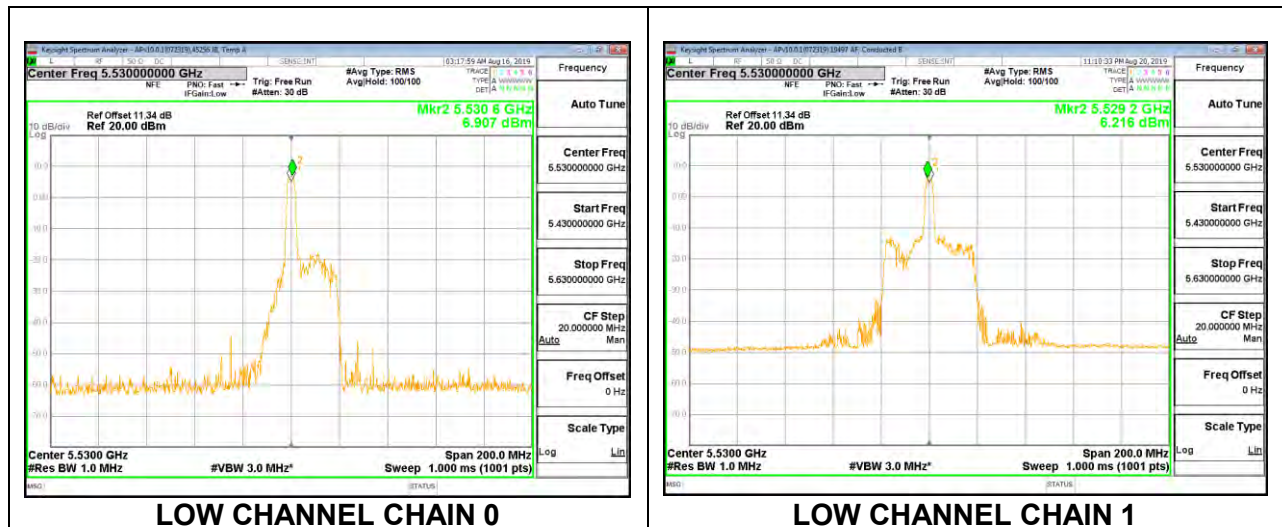
Channel / RU Index	Frequency (MHz)	Chain 0 Meas PSD (dBm/1MHz)	Chain 1 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low / RU0	5530	6.821	6.406	9.629	10.55	-0.92
Low / RU18	5530	6.907	6.216	9.586	10.55	-0.96
High / RU36	5610	7.258	6.606	9.955	10.55	-0.60
138 / RU36*	5690	6.469	6.942	9.722	10.55	-0.83

*As per the calculation in this formula, Measured total bandwidth(99%) / 2 - 3 MHz, the worst case bandwidth is 6.0205 MHz.
Based on the 6.0205 MHz bandwidth for the portion that the straddle channel occupies in the UNII-2C band, the calculated worst case power limit is $17 + 10 \cdot \log(6.0205) - 6.45 = 18.34$ dBm.
The total signal power is 12.69 dBm which is less than the limit of 18.34 dBm.

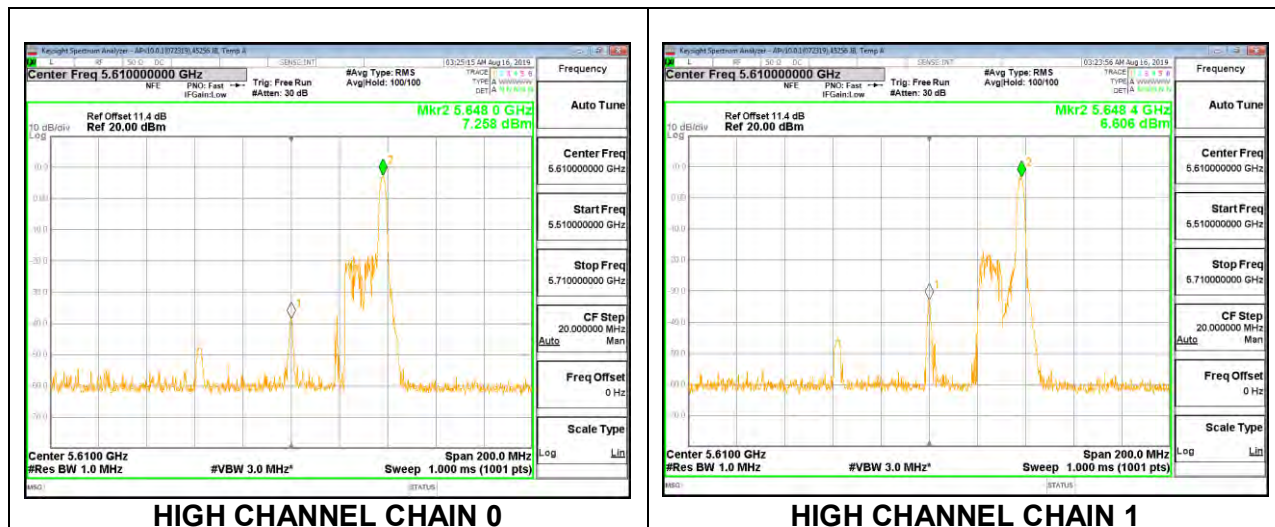
RU Index 0



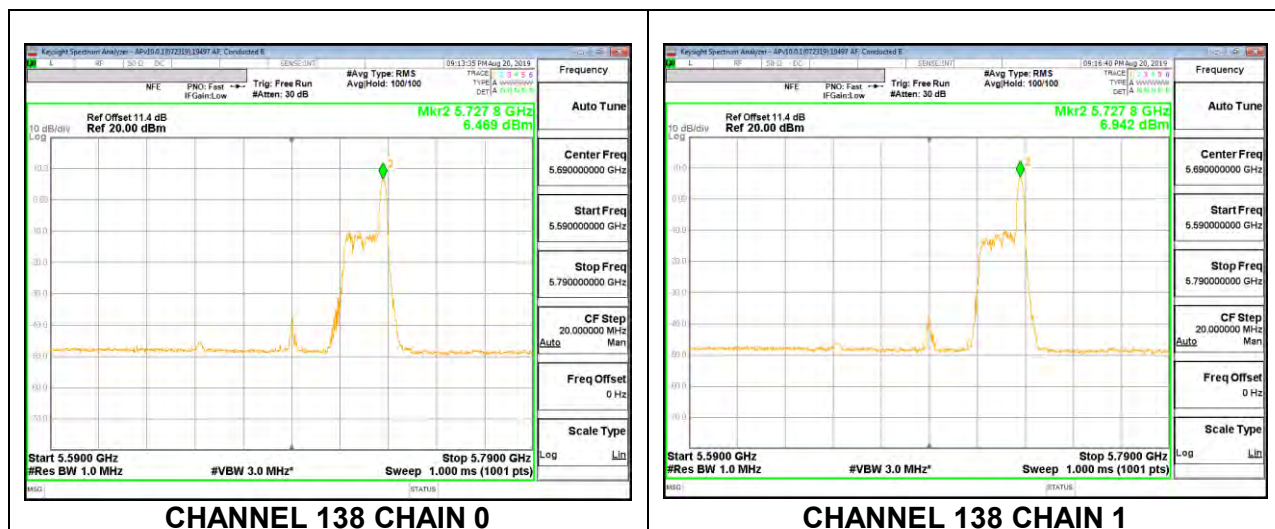
RU Index 18



RU Index 36



RU Index 36



8.4.4. 802.11ax HE160 MODE IN THE 5.6 GHz BAND (FCC+IC)

2TX Chain 0 + Chain 1 SU MODE

Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Min 99% BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)
Low	5570	168.40	155.140	6.45	6.45

Limits

Channel	Frequency (MHz)	FCC Power Limit (dBm)	ISED Power Limit (dBm)	ISED EIRP Limit (dBm)	Power Limit (dBm)	FCC PSD Limit (dBm/ 1MHz)	ISED PSD Limit (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)
Low	5570	23.55	24.00	30.00	23.55	10.55	11.00	10.55

Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
--------------------	------	--

Output Power Results

Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margi n (dB)
Low	5570	8.50	8.30	11.41	23.55	-12.14

2TX Chain 0 + Chain 1 OFDMA MODE – 2x996-Tones, RU Index 68

Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Min 99% BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)
Low	5570	166.80	155.10	6.45	6.45

Limits

Channel	Frequency (MHz)	FCC Power Limit (dBm)	ISED Power Limit (dBm)	ISED EIRP Limit (dBm)	Power Limit (dBm)	FCC PSD Limit (dBm/ 1MHz)	ISED PSD Limit (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)
Low	5570	23.55	24.00	30.00	23.55	10.55	11.00	10.55

Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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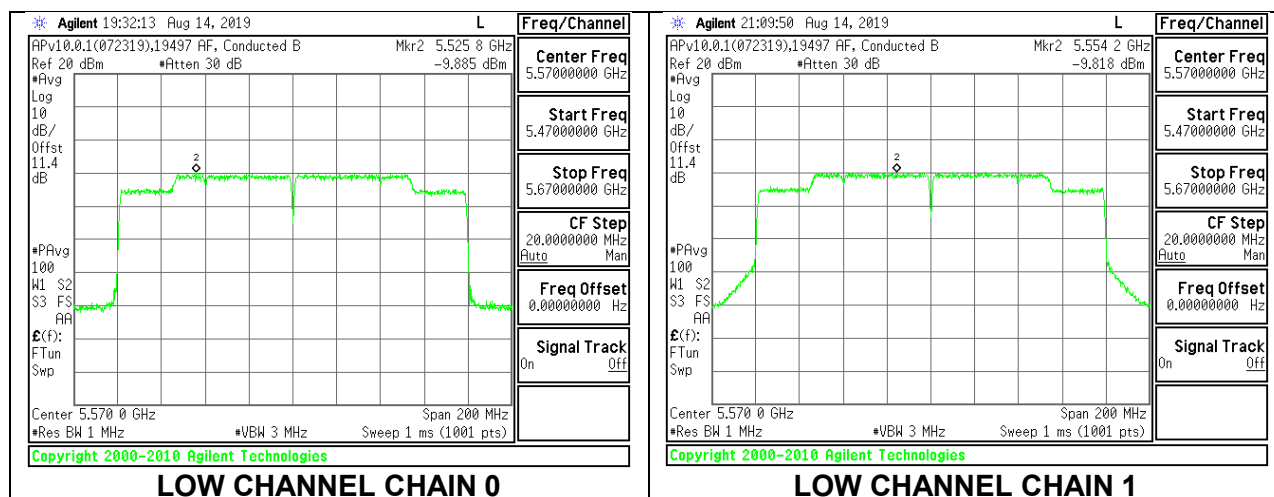
Output Power Results

Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margi n (dB)
Low	5570	8.75	8.42	11.60	23.55	-11.95

PSD Results

Channel	Frequency (MHz)	Chain 0 Meas PSD (dBm/ 1MHz)	Chain 1 Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margi n (dB)
Low	5570	-9.885	-9.818	-6.841	10.55	-17.39

LOW CHANNEL



2TX Chain 0 + Chain 1 OFDMA MODE – 996-Tones

Bandwidth and Antenna Gain

Channel / RU Index	Frequency (MHz)	Min 26 dB BW (MHz)	Min 99% BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)
Low / RU67	5570	85.20	76.6573	6.45	6.45
High / RUS67	5570	84.80	77.0471	6.45	6.45

Limits

Channel / RU Index	Frequency (MHz)	FCC Power Limit (dBm)	ISED Power Limit (dBm)	ISED EIRP Limit (dBm)	Power Limit (dBm)	FCC PSD Limit (dBm/ 1MHz)	ISED PSD Limit (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)
Low / RU67	5570	23.55	24.00	30.00	23.55	10.55	11.00	10.55
High / RUS67	5570	23.55	24.00	30.00	23.55	10.55	11.00	10.55

Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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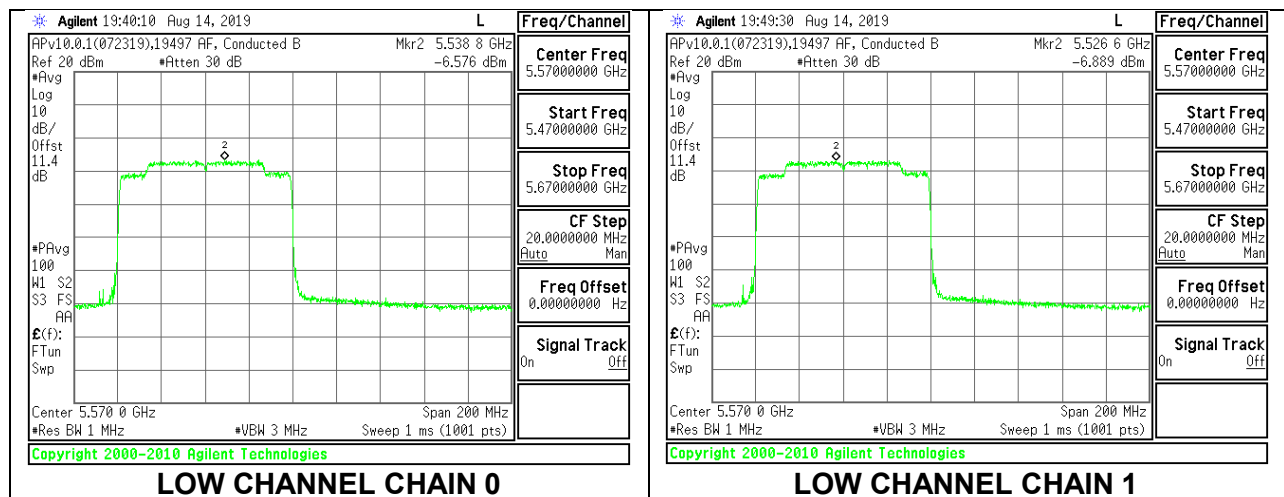
Output Power Results

Channel / RU Index	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margi n (dB)
Low / RU67	5570	9.97	9.72	12.86	23.55	-10.69
High / RUS67	5570	10.05	9.85	12.96	23.55	-10.59

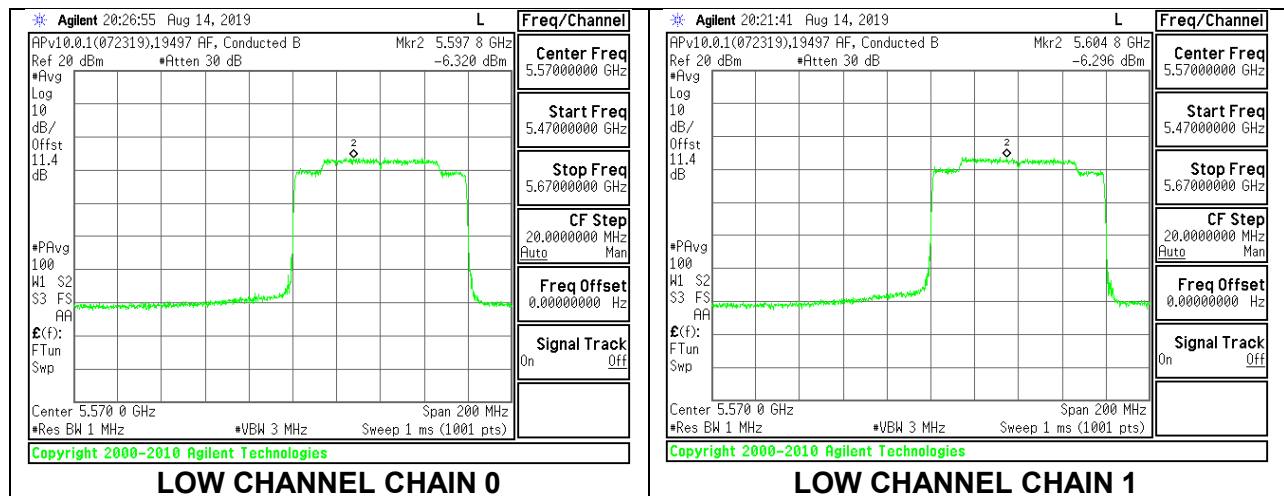
PSD Results

Channel / RU Index	Frequency (MHz)	Chain 0 Meas PSD (dBm/ 1MHz)	Chain 1 Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margi n (dB)
Low / RU67	5570	-6.576	-6.889	-3.719	10.55	-14.27
High / RUS67	5570	-6.320	-6.296	-3.298	10.55	-13.85

RU Index 67



RU Index S67



2TX Chain 0 + Chain 1 OFDMA MODE – 484-Tones

Bandwidth and Antenna Gain

Channel / RU Index	Frequency (MHz)	Min 26 dB BW (MHz)	Min 99% BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)
Low / RU65	5570	46.40	37.7630	6.45	6.45
Low / RU66	5570	45.60	37.6899	6.45	6.45
Low / RUS66	5570	46.80	37.6123	6.45	6.45

Limits

Channel / RU Index	Frequency (MHz)	FCC Power Limit (dBm)	ISED Power Limit (dBm)	ISED EIRP Limit (dBm)	Power Limit (dBm)	FCC PSD Limit (dBm/ 1MHz)	ISED PSD Limit (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)
Low / RU65	5570	23.55	24.00	30.00	23.55	10.55	11.00	10.55
Low / RU66	5570	23.55	24.00	30.00	23.55	10.55	11.00	10.55
Low / RUS66	5570	23.55	24.00	30.00	23.55	10.55	11.00	10.55

Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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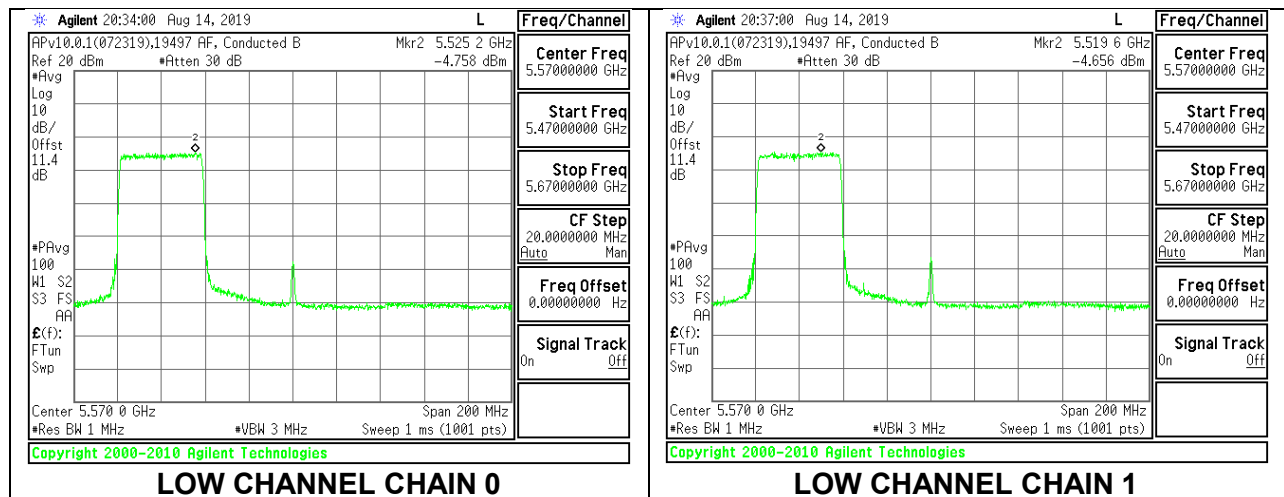
Output Power Results

Channel / RU Index	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margi n (dB)
Low / RU65	5570	9.52	9.25	12.40	23.55	-11.15
Low / RU66	5570	9.46	9.30	12.39	23.55	-11.16
Low / RUS66	5570	9.51	9.35	12.44	23.55	-11.11

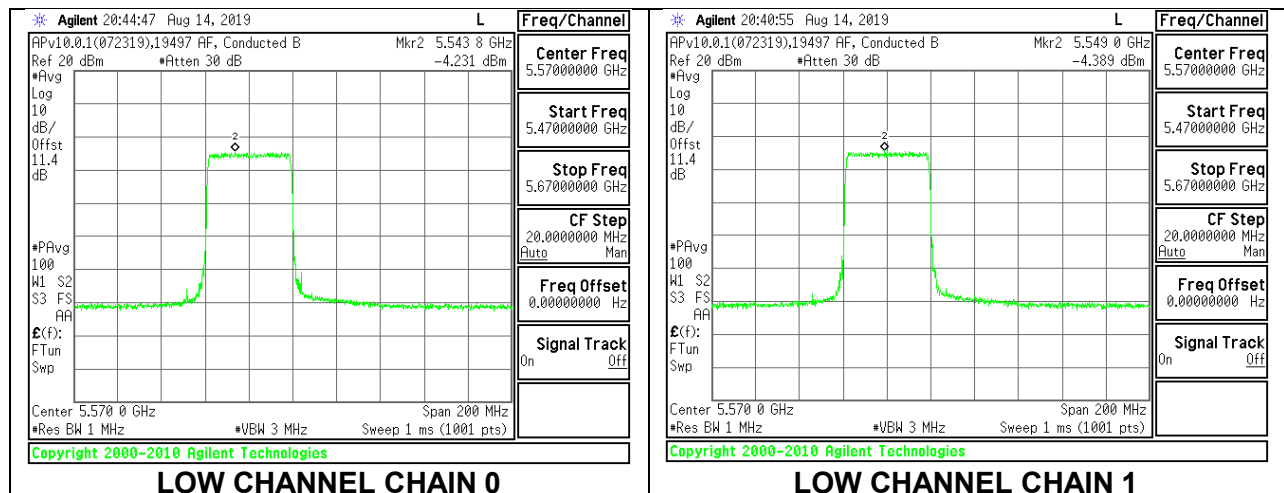
PSD Results

Channel / RU Index	Frequency (MHz)	Chain 0 Meas PSD (dBm/ 1MHz)	Chain 1 Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margi n (dB)
Low / RU65	5570	-4.758	-4.656	-1.696	10.55	-12.25
Low / RU66	5570	-4.231	-4.389	-1.299	10.55	-11.85
Low / RUS66	5570	-4.517	-4.667	-1.581	10.55	-12.13

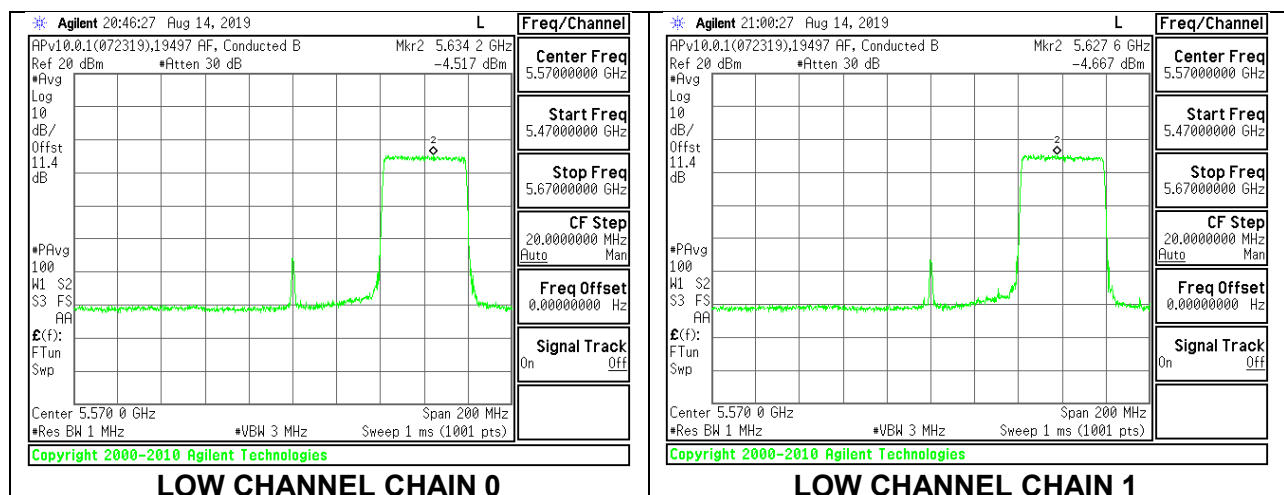
RU Index 65



RU Index 66



RU Index S66



2TX Chain 0 + Chain 1 OFDMA MODE – 242-Tones

Bandwidth and Antenna Gain

Channel / RU Index	Frequency (MHz)	Min 26 dB BW (MHz)	Min 99% BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)
Low / RU61	5570	23.60	18.958	6.45	6.45
Low / RU64	5570	23.20	19.041	6.45	6.45
Low / RUS64	5570	23.20	18.867	6.45	6.45

Limits

Channel / RU Index	Frequency (MHz)	FCC Power Limit (dBm)	ISED Power Limit (dBm)	ISED EIRP Limit (dBm)	Power Limit (dBm)	FCC PSD Limit (dBm/1MHz)	ISED PSD Limit (dBm/1MHz)	PSD Limit (dBm/1MHz)
Low / RU61	5570	23.55	23.78	29.78	23.33	10.55	11.00	10.55
Low / RU64	5570	23.55	23.80	29.80	23.35	10.55	11.00	10.55
Low / RUS64	5570	23.55	23.76	29.76	23.31	10.55	11.00	10.55

Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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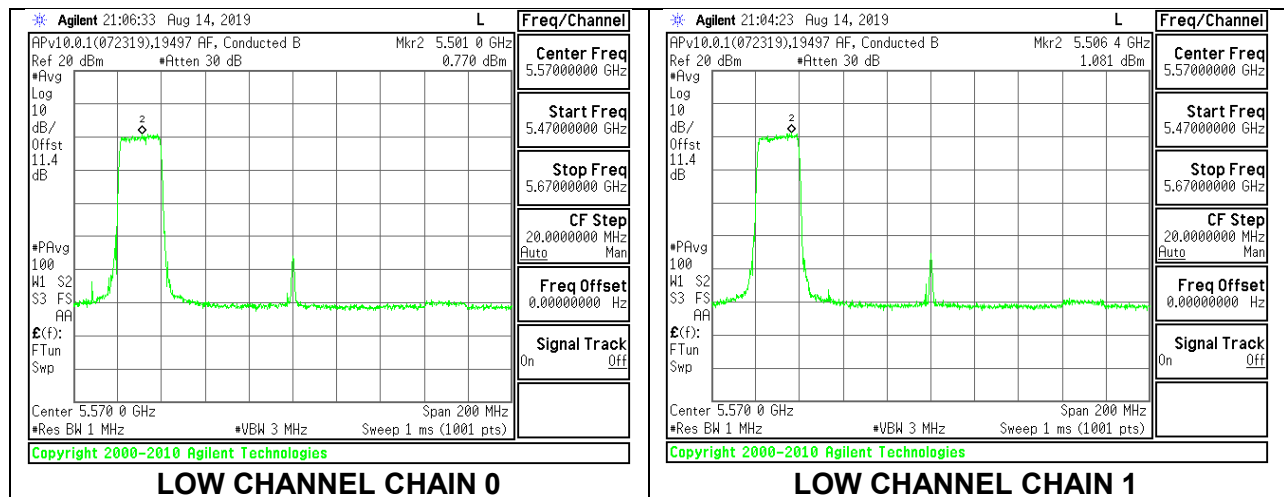
Output Power Results

Channel / RU Index	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low / RU61	5570	12.03	11.89	14.97	23.33	-8.36
Low / RU64	5570	12.01	11.72	14.88	23.35	-8.47
Low / RUS64	5570	12.15	12.01	15.09	23.31	-8.22

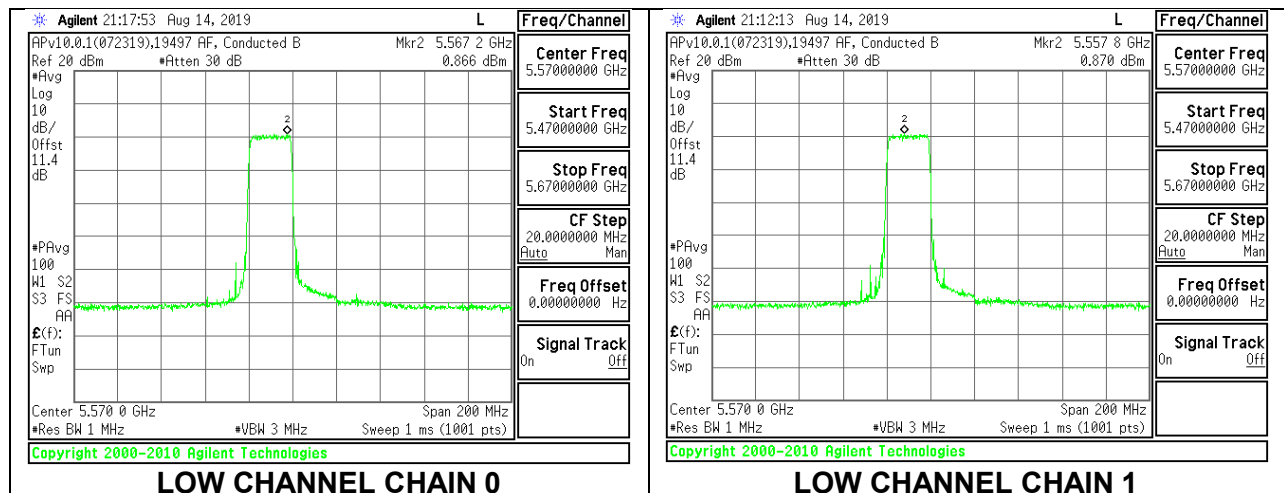
PSD Results

Channel / RU Index	Frequency (MHz)	Chain 0 Meas PSD (dBm/1MHz)	Chain 1 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low / RU61	5570	0.770	1.081	3.939	10.55	-6.61
Low / RU64	5570	0.866	0.870	3.878	10.55	-6.67
Low / RUS64	5570	0.722	0.184	3.472	10.55	-7.08

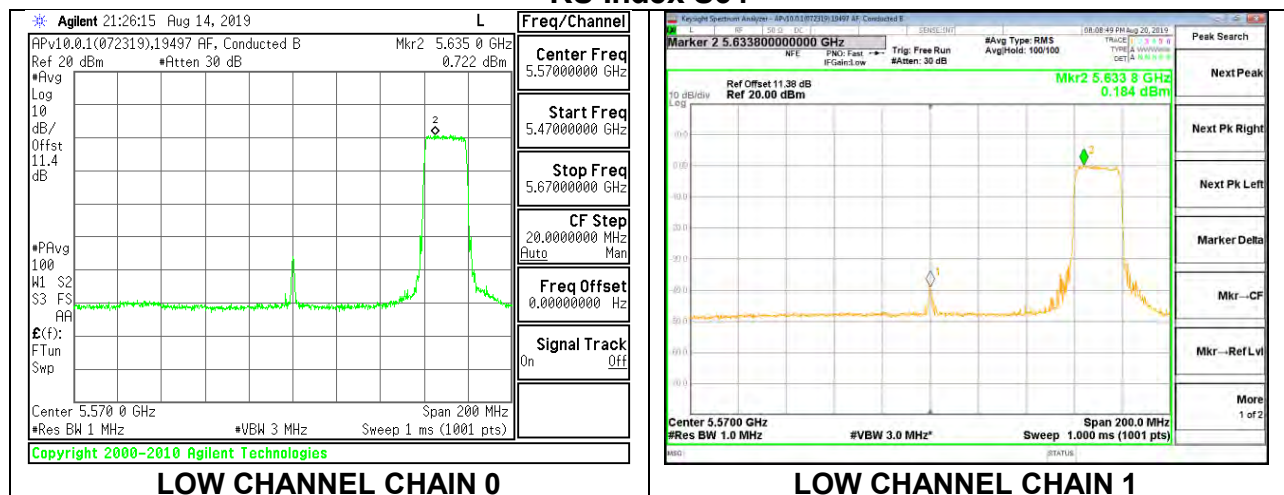
RU Index 61



RU Index 64



RU Index S64



2TX Chain 0 + Chain 1 OFDMA MODE – 106-Tones

Bandwidth and Antenna Gain

Channel / RU Index	Frequency (MHz)	Min 26 dB BW (MHz)	Min 99% BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)
Low / RU53	5570	23.20	17.891	6.45	6.45
Low / RU60	5570	22.00	17.326	6.45	6.45
Low / RUS60	5570	22.00	17.930	6.45	6.45

Limits

Channel / RU Index	Frequency (MHz)	FCC Power Limit (dBm)	ISED Power Limit (dBm)	ISED EIRP Limit (dBm)	Power Limit (dBm)	FCC PSD Limit (dBm/1MHz)	ISED PSD Limit (dBm/1MHz)	PSD Limit (dBm/1MHz)
Low / RU53	5570	23.55	23.53	29.53	23.08	10.55	11.00	10.55
Low / RU60	5570	23.55	23.39	29.39	22.94	10.55	11.00	10.55
Low / RUS60	5570	23.55	23.54	29.54	23.09	10.55	11.00	10.55

Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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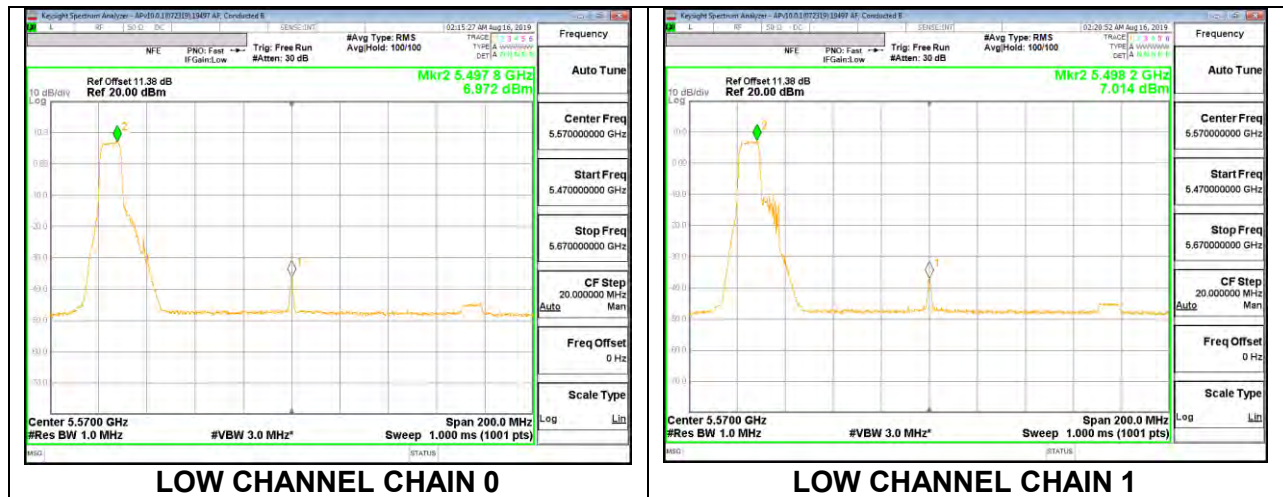
Output Power Results

Channel / RU Index	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low / RU53	5570	16.55	16.94	19.76	23.08	-3.32
Low / RU60	5570	16.80	17.07	19.95	22.94	-2.99
Low / RUS60	5570	16.72	16.88	19.81	23.09	-3.27

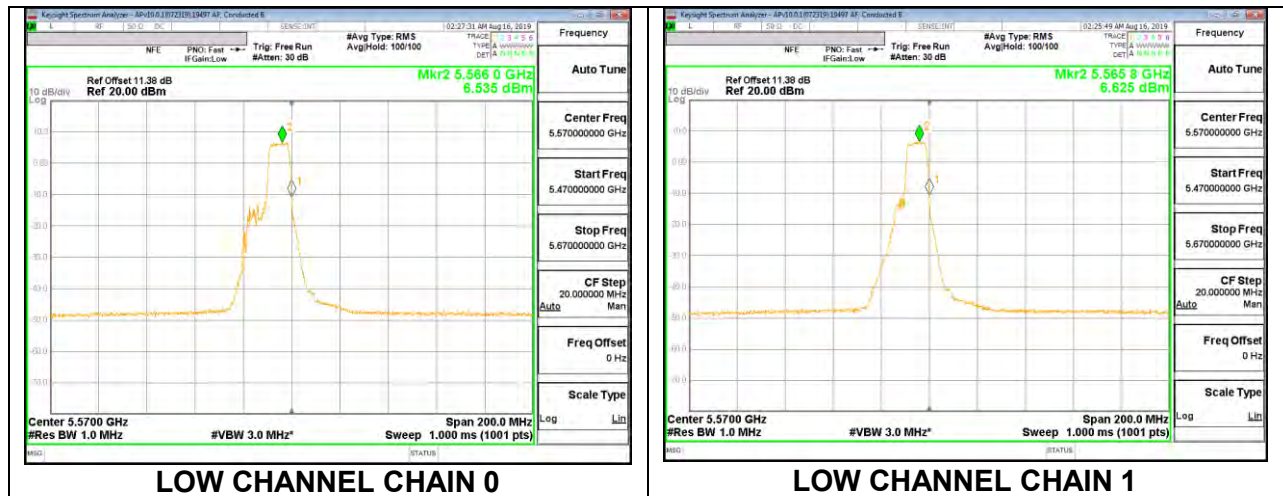
PSD Results

Channel / RU Index	Frequency (MHz)	Chain 0 Meas PSD (dBm/1MHz)	Chain 1 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low / RU53	5570	6.972	7.014	10.003	10.55	-0.55
Low / RU60	5570	6.535	6.625	9.591	10.55	-0.96
Low / RUS60	5570	6.975	7.008	10.002	10.55	-0.55

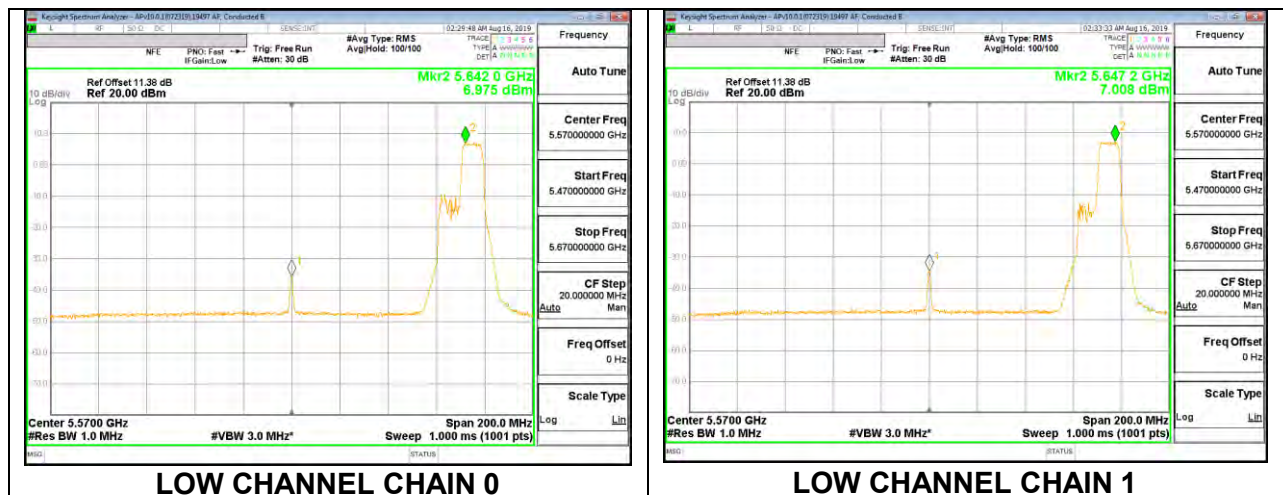
RU Index 53



RU Index 60



RU Index S60



2TX Chain 0 + Chain 1 OFDMA MODE – 52-Tones

Bandwidth and Antenna Gain

Channel / RU Index	Frequency (MHz)	Min 26 dB BW (MHz)	Min 99% BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)
Low / RU37	5570	22.00	17.935	6.45	6.45
Low / RU52	5570	21.60	17.884	6.45	6.45
Low / RUS52	5570	21.60	18.004	6.45	6.45

Limits

Channel / RU Index	Frequency (MHz)	FCC Power Limit (dBm)	ISED Power Limit (dBm)	ISED EIRP Limit (dBm)	Power Limit (dBm)	FCC PSD Limit (dBm/ 1MHz)	ISED PSD Limit (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)
Low / RU37	5570	23.55	23.54	29.54	23.09	10.55	11.00	10.55
Low / RU52	5570	23.55	23.52	29.52	23.07	10.55	11.00	10.55
Low / RUS52	5570	23.55	23.55	29.55	23.10	10.55	11.00	10.55

Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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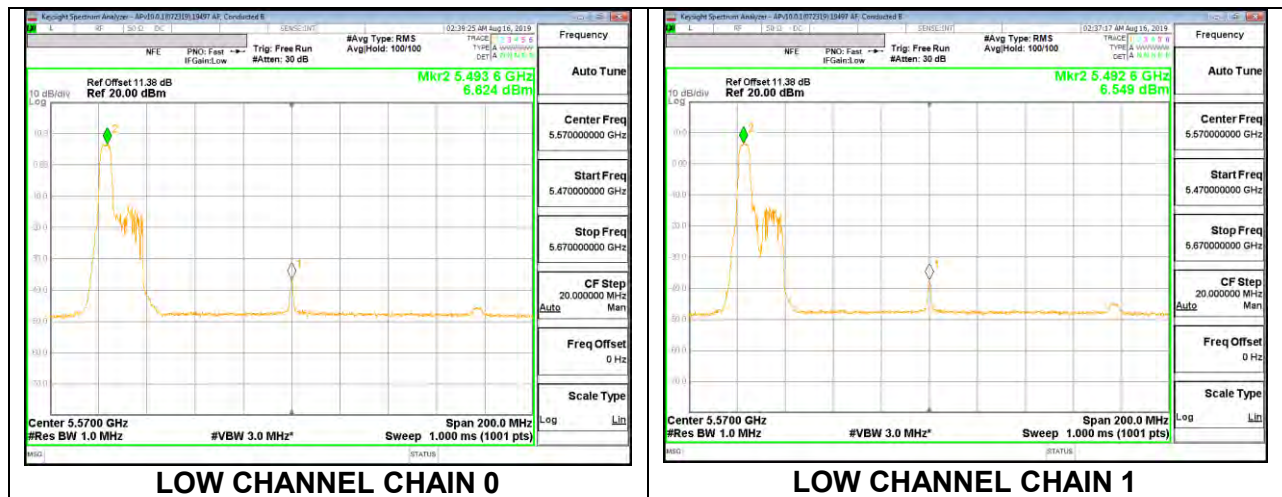
Output Power Results

Channel / RU Index	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low / RU37	5570	14.80	15.37	18.10	23.09	-4.98
Low / RU52	5570	14.56	15.23	17.92	23.07	-5.16
Low / RUS52	5570	14.93	15.41	18.19	23.10	-4.92

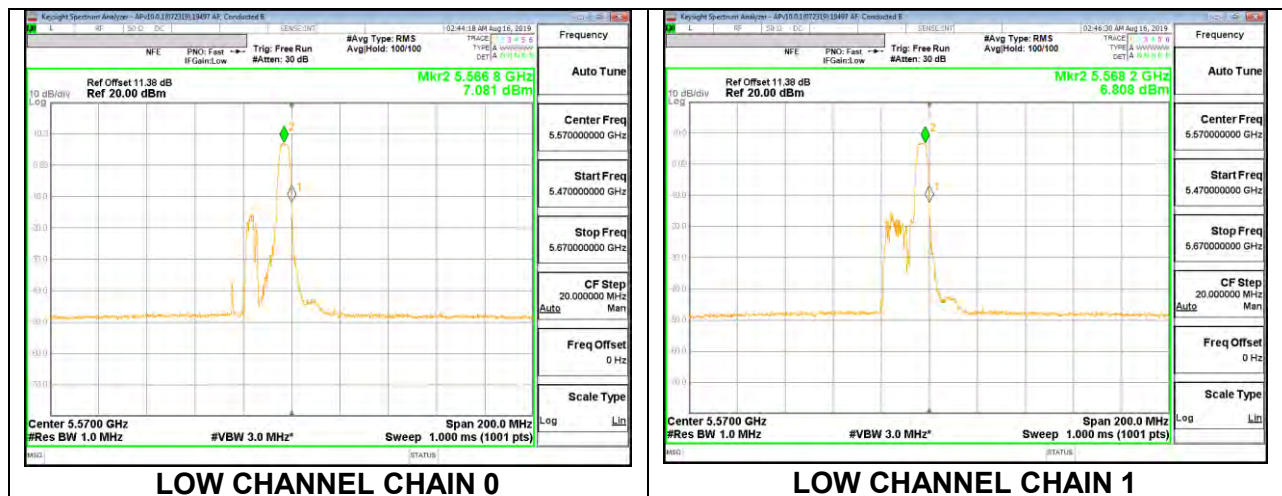
PSD Results

Channel / RU Index	Frequency (MHz)	Chain 0 Meas PSD (dBm/ 1MHz)	Chain 1 Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low / RU37	5570	6.624	6.549	9.597	10.55	-0.95
Low / RU52	5570	7.081	6.808	9.957	10.55	-0.59
Low / RUS52	5570	6.697	6.810	9.764	10.55	-0.79

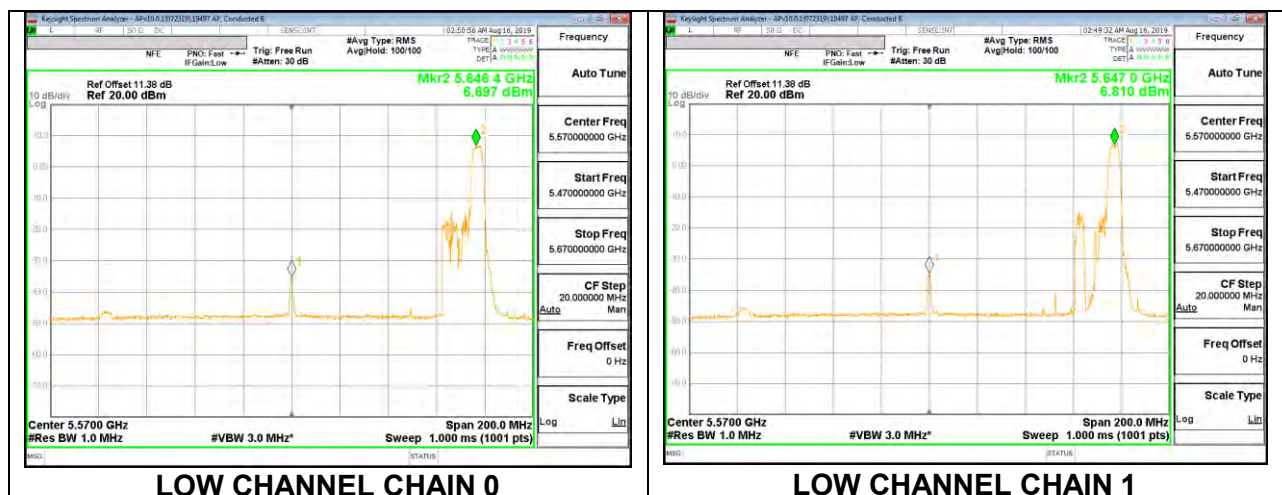
RU Index 37



RU Index 52



RU Index S52



2TX Chain 0 + Chain 1 OFDMA MODE – 26-Tones

Bandwidth and Antenna Gain

Channel / RU Index	Frequency (MHz)	Min 26 dB BW (MHz)	Min 99% BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)
Low / RU0	5570	21.20	18.243	6.45	6.45
Low / RU36	5570	21.20	17.839	6.45	6.45
Low / RUS36	5570	21.60	18.246	6.45	6.45

Limits

Channel / RU Index	Frequency (MHz)	FCC Power Limit (dBm)	ISED Power Limit (dBm)	ISED EIRP Limit (dBm)	Power Limit (dBm)	FCC PSD Limit (dBm/1MHz)	ISED PSD Limit (dBm/1MHz)	PSD Limit (dBm/1MHz)
Low / RU0	5570	23.55	23.61	29.61	23.16	10.55	11.00	10.55
Low / RU36	5570	23.55	23.51	29.51	23.06	10.55	11.00	10.55
Low / RUS36	5570	23.55	23.61	29.61	23.16	10.55	11.00	10.55

Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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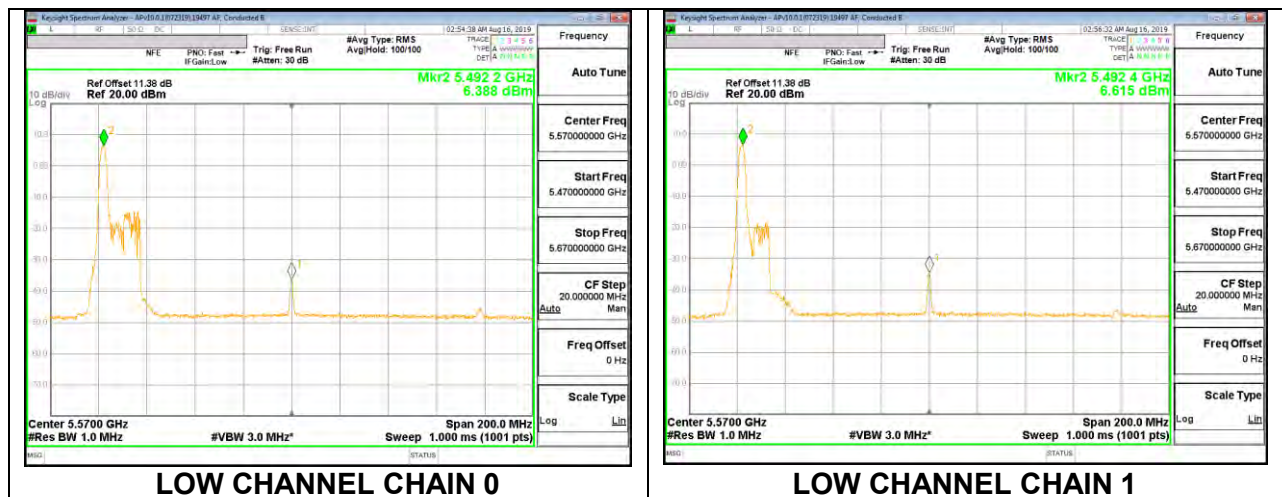
Output Power Results

Channel / RU Index	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low / RU0	5570	12.77	13.22	16.01	23.16	-7.15
Low / RU36	5570	12.61	12.83	15.73	23.06	-7.33
Low / RUS36	5570	12.69	12.71	15.71	23.16	-7.45

PSD Results

Channel / RU Index	Frequency (MHz)	Chain 0 Meas PSD (dBm/1MHz)	Chain 1 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low / RU0	5570	6.388	6.615	9.513	10.55	-1.04
Low / RU36	5570	7.054	7.000	10.037	10.55	-0.51
Low / RUS36	5570	7.022	6.764	9.905	10.55	-0.64

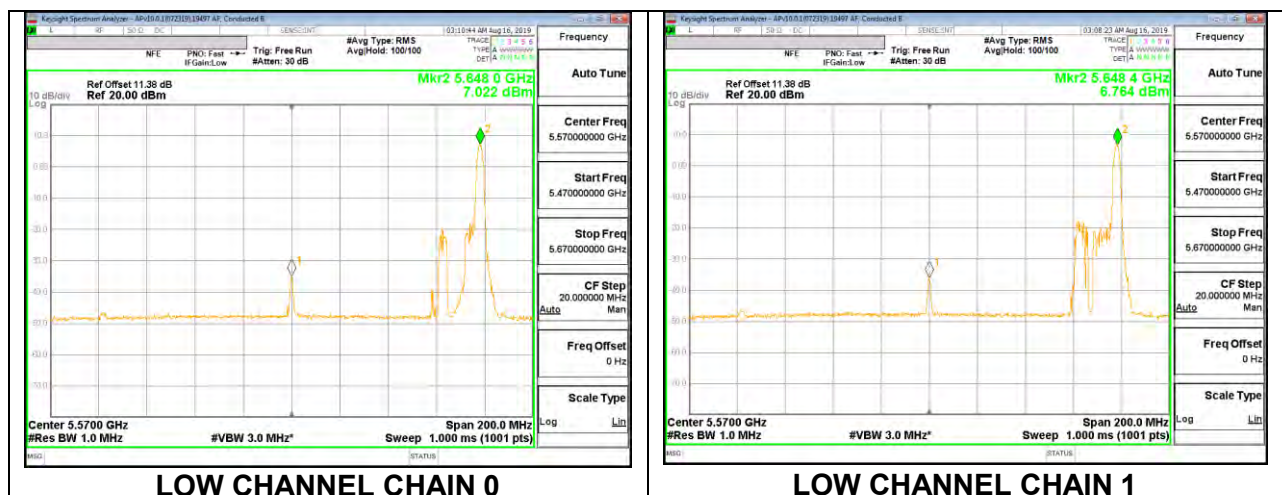
RU Index 0



RU Index 36



RU Index S36



9. RADIATED TEST RESULTS FOR 11ax 5.6 GHz

LIMITS

FCC §15.205 and §15.209 -Restricted bands

FCC §15.407(b)(1-3) -Un-Restricted bands

After January 01, 2019 for Outside of the Restricted Bands Emissions

RSS 247 Issue 2 Sections

6.2.1.2 (for 5150-5250 MHz band)

6.2.2.2 (for 5250-5350 MHz band)

6.2.3.2 (for 5470-5600 MHz and 5650-5725 MHz bands)

6.2.4.2 (for 5725-5850 MHz band)

NCC LP0002 §2.7 and §2.8

Frequency Range (MHz)	Field Strength Limit (uV/m) at 3 m	Field Strength Limit (dBuV/m) at 3 m
30 - 88	100	40
88 - 216	150	43.5
216 - 960	200	46
Above 960	500	54

TEST PROCEDURE

The EUT is placed on a non-conducting table 80 cm above the ground plane for measurement below 1GHz; 1.5 m above the ground plane for measurement above 1GHz. The antenna to EUT distance is 3 meters. The EUT is configured in accordance with ANSI C63.10. The EUT is set to transmit in a continuous mode.

For measurements below 1 GHz the resolution bandwidth is set to 100 kHz for peak detection measurements or 120 kHz for quasi-peak detection measurements. Peak detection is used unless otherwise noted as quasi-peak.

For pre-scans above 1 GHz the resolution bandwidth is set to 1 MHz; the video bandwidth is set to 30 KHz for peak measurements.

For final measurements above 1 GHz the resolution bandwidth is set to 1 MHz; the video bandwidth is set to 3 MHz for peak measurements and as applicable for average measurements.

The spectrum from 1 GHz to 18 GHz is investigated with the transmitter set to the lowest, middle, and highest channels in each applicable band. Below 30MHz, below 1GHz and above 18GHz emissions, the channel with the highest output power was tested.

The frequency range of interest is monitored at a fixed antenna height and EUT azimuth. The EUT is rotated through 360 degrees to maximize emissions received. The antenna is scanned from 1 to 4 meters above the ground plane to further maximize the emission. Measurements are made with the antenna polarized in both the vertical and the horizontal positions.

2D antenna use - For below 30MHz testing, investigation was done on three antenna orientations (parallel, perpendicular, and ground-parallel), parallel and perpendicular are the worst orientations, therefore testing was performed on these two orientations only.

KDB 414788 Open Field Site(OFS) and Chamber Correlation Justification

Base on FCC 15.31 (f) (2): measurements may be performed at a distance closer than that specified in the regulations; however, an attempt should be made to avoid making measurements in the near field.

OFS and chamber correlation testing had been performed and chamber measured test result is the worst case test result.

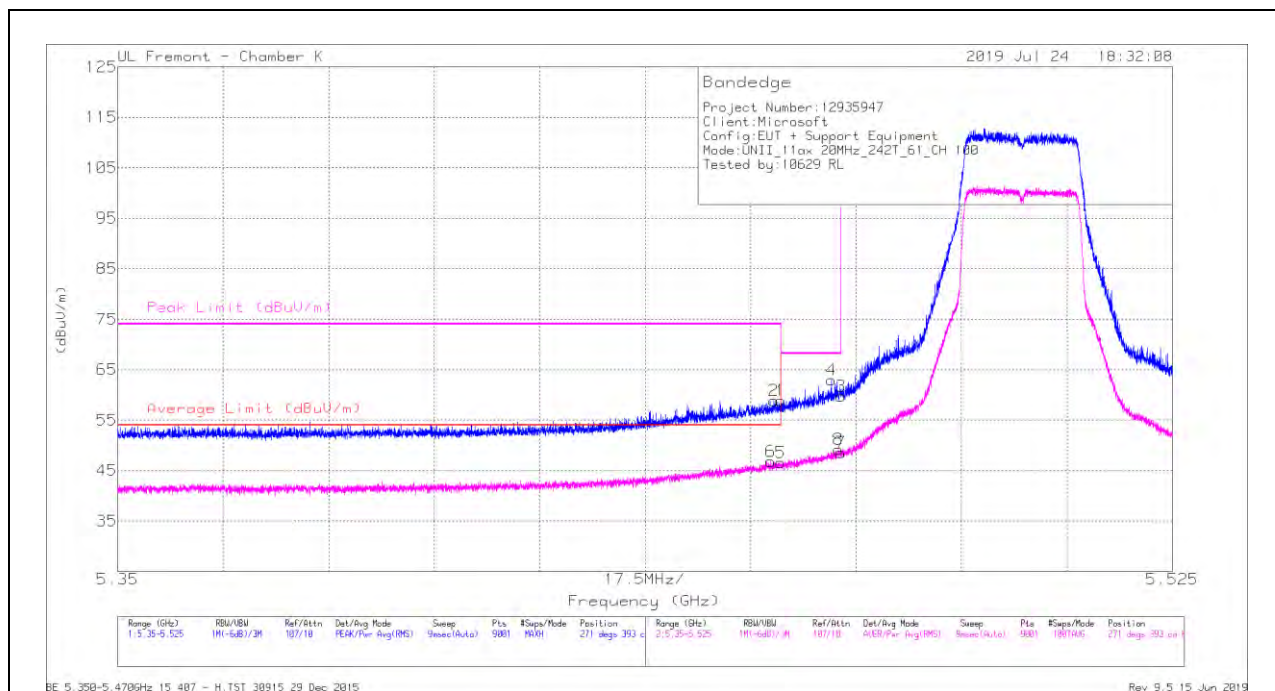
9.1. TRANSMITTER ABOVE 1 GHz

9.1.1. TX ABOVE 1 GHz 802.11ax HE20 MODE IN THE 5.6 GHz BAND

2TX Chain 0 + Chain 1 OFDMA MODE – 242-Tones, RU Index 61

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF EMC4294 (dBm)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.46	44.09	Pk	34.5	-19.7	0	58.89	-	-	74	-15.11	271	393	H
2	* 5.45887	44.04	Pk	34.5	-19.7	0	58.84	-	-	74	-15.16	271	393	H
3	5.46999	44.94	Pk	34.5	-19.7	0	59.74	-	-	68.2	-8.46	271	393	H
4	5.4684	48.18	Pk	34.5	-19.7	0	62.98	-	-	68.2	-5.22	271	393	H
5	* 5.46	31.76	RMS	34.5	-19.7	0	46.56	54	-7.44	-	-	271	393	H
6	* 5.45832	32.07	RMS	34.5	-19.7	0	46.87	54	-7.13	-	-	271	393	H
7	5.46999	33.72	RMS	34.5	-19.7	0	48.52	-	-	-	-	271	393	H
8	5.46954	34.42	RMS	34.5	-19.7	0	49.22	-	-	-	-	271	393	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

UL Fremont - Chamber K

2019 Jul 24 18:04:10

Bandedge
Project Number: 12935947
Client: Microsoft
Config: EUT + Support Equipment
Mode: UNII_11ax_20MHz_242T_61_CH 100
Tested by: 10629 RL

Peak Limit (dBuV/m)

Average Limit (dBuV/m)

dBuV/m

Frequency (GHz)

Range (GHz) 5.350-5.470
RBW/1BW 100kHz/100kHz
Ref/Attn 100/10
Det/Avg Mode Peak/Power
Sweep 200kHz/100kHz
Pls 1000
#Samps/Mode 1000
Position 200kHz/100kHz

RE 5.350-5.470GHz 15 dBm - U.TSI 30915 29 Dec 2015

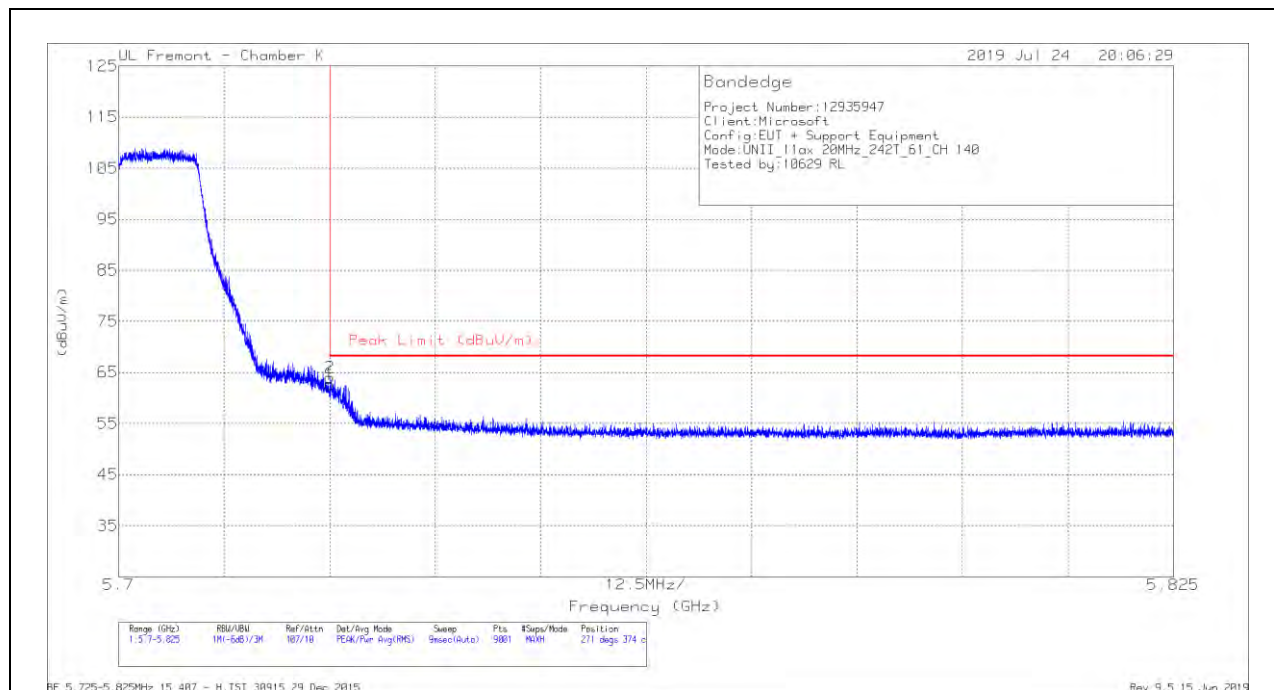
Rev 5.15 Jun 2015

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF EMC4294 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.46	43.03	Pk	34.5	-19.7	0	57.83	-	-	74	-16.17	285	277	V
2	* 5.44516	44.47	Pk	34.4	-19.7	0	59.17	-	-	74	-14.83	285	277	V
3	5.46999	46.71	Pk	34.5	-19.7	0	61.51	-	-	68.2	-6.69	285	277	V
4	5.4691	49.41	Pk	34.5	-19.7	0	64.21	-	-	68.2	-3.99	285	277	V
5	* 5.46	30.54	RMS	34.5	-19.7	0	45.34	54	-8.66	-	-	285	277	V
6	* 5.45889	31.45	RMS	34.5	-19.7	0	46.25	54	-7.75	-	-	285	277	V
7	5.46999	32.91	RMS	34.5	-19.7	0	47.71	-	-	-	-	285	277	V
8	5.46917	34.29	RMS	34.5	-19.7	0	49.09	-	-	-	-	285	277	V

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BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT

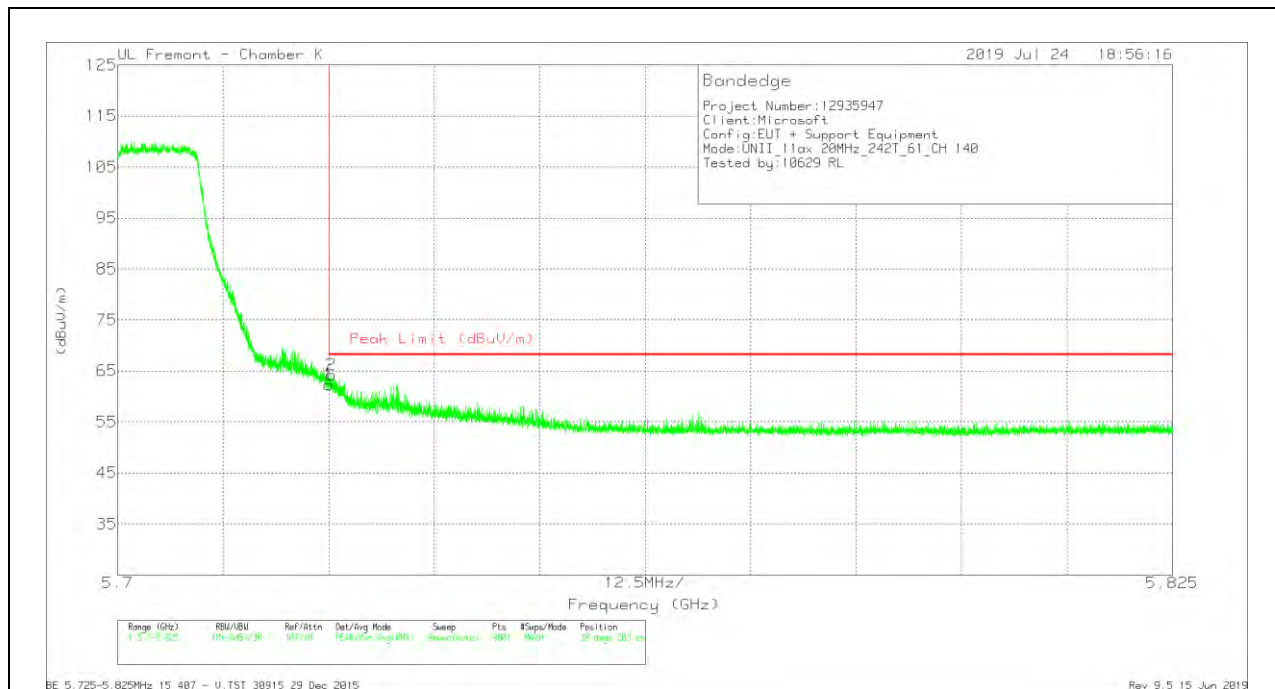


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF EMC4294 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	46.86	Pk	34.8	-19	0	62.66	68.2	-5.54	271	374	H
2	5.72503	48.14	Pk	34.8	-19	0	63.94	68.2	-4.26	271	374	H

Pk - Peak detector

VERTICAL RESULT



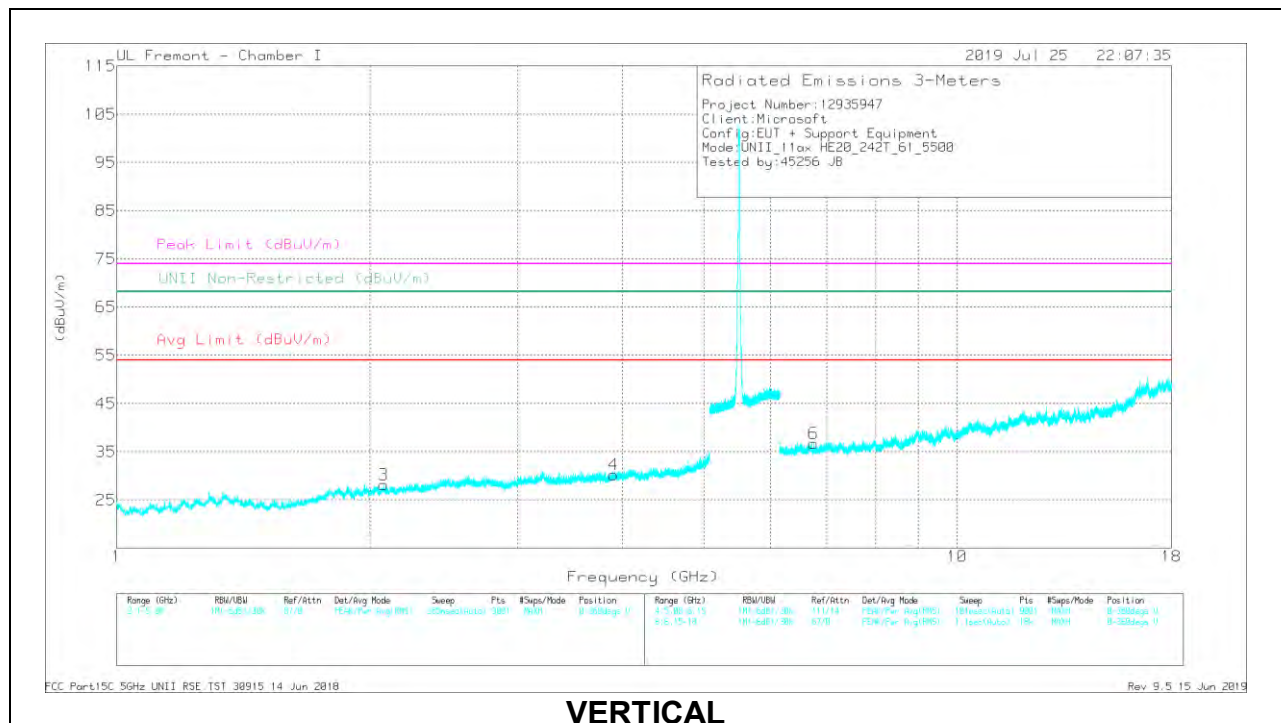
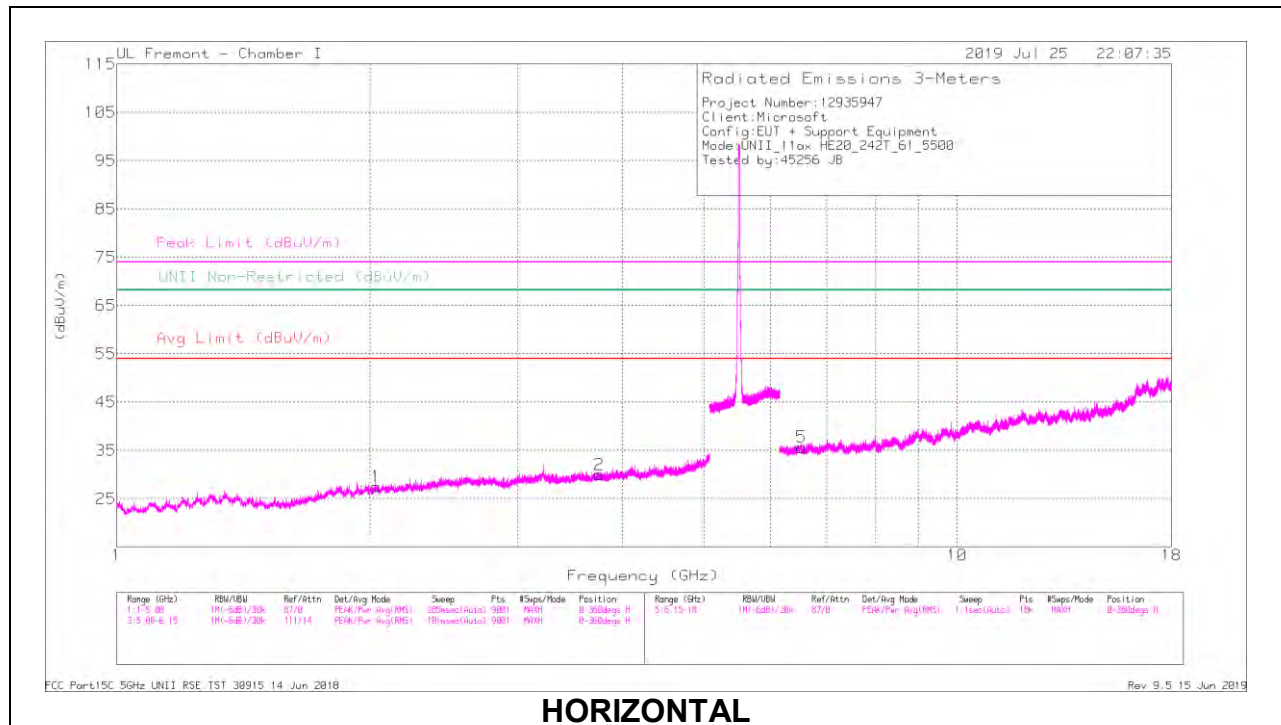
Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF EMC4294 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	46.48	Pk	34.8	-19	0	62.28	68.2	-5.92	39	203	V
2	5.72529	48.49	Pk	34.8	-19	0	64.29	68.2	-3.91	39	203	V

Pk - Peak detector

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



RADIATED EMISSIONS

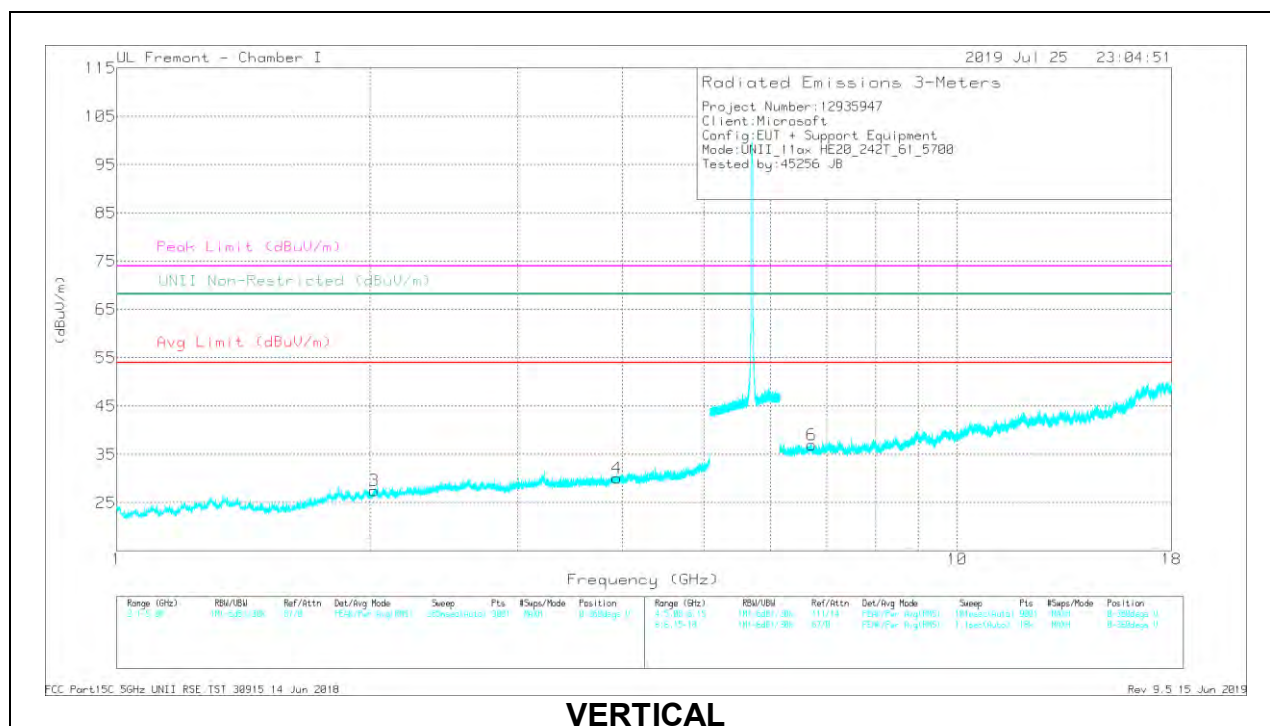
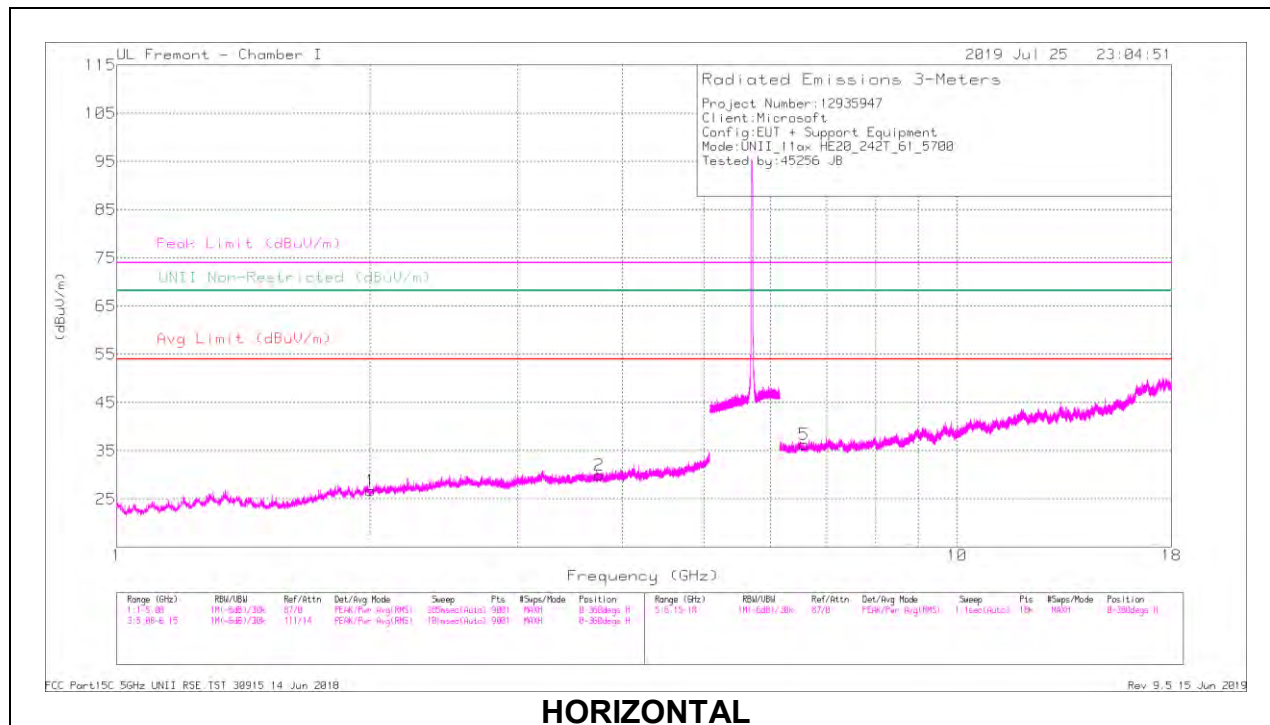
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 3.74828	33.69	PK-U	33	-29.1	0	37.59	-	-	74	-36.41	-	-	230	111	H
	* 3.74792	24.3	ADR	33	-29.1	0	28.2	54	-25.8	-	-	-	-	230	111	H
1	2.03666	35.48	PK-U	31	-32.2	0	34.28	-	-	-	-	68.2	-33.92	175	189	H
4	* 3.90633	33.1	PK-U	33.2	-28.9	0	37.4	-	-	74	-36.6	-	-	353	132	V
	* 3.90321	23.76	ADR	33.2	-28.8	0	28.16	54	-25.84	-	-	-	-	353	132	V
3	2.07905	37.08	PK-U	31.1	-32.2	0	35.98	-	-	-	-	68.2	-32.22	69	146	V
5	6.53573	27.77	PK-U	35.5	-21.2	0	42.07	-	-	-	-	68.2	-26.13	32	192	H
6	6.75135	28.97	PK-U	35.6	-21.6	0	42.97	-	-	-	-	68.2	-25.23	245	100	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

HIGH CHANNEL RESULTS



RADIATED EMISSIONS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T862 (dBm)	AmpCblFtrPa d (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 3.74945	33.98	PK-U	33	-29.1	0	37.88	-	-	74	-36.12	-	-	129	141	H
	* 3.75125	24.39	ADR	33	-29.2	0	28.19	54	-25.81	-	-	-	-	129	141	H
1	2.00649	35.86	PK-U	31	-32.2	0	34.66	-	-	-	-	68.2	-33.54	48	130	H
4	* 3.93691	33.4	PK-U	33.3	-29	0	37.7	-	-	74	-36.3	-	-	344	147	V
	* 3.93585	24.24	ADR	33.3	-28.9	0	28.64	54	-25.36	-	-	-	-	344	147	V
3	2.02583	36.17	PK-U	31	-32.1	0	35.07	-	-	-	-	68.2	-33.13	122	201	V
5	6.57783	28.83	PK-U	35.7	-22	0	42.53	-	-	-	-	68.2	-25.67	110	117	H
6	6.71647	29.04	PK-U	35.6	-21.1	0	43.54	-	-	-	-	68.2	-24.66	10	195	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

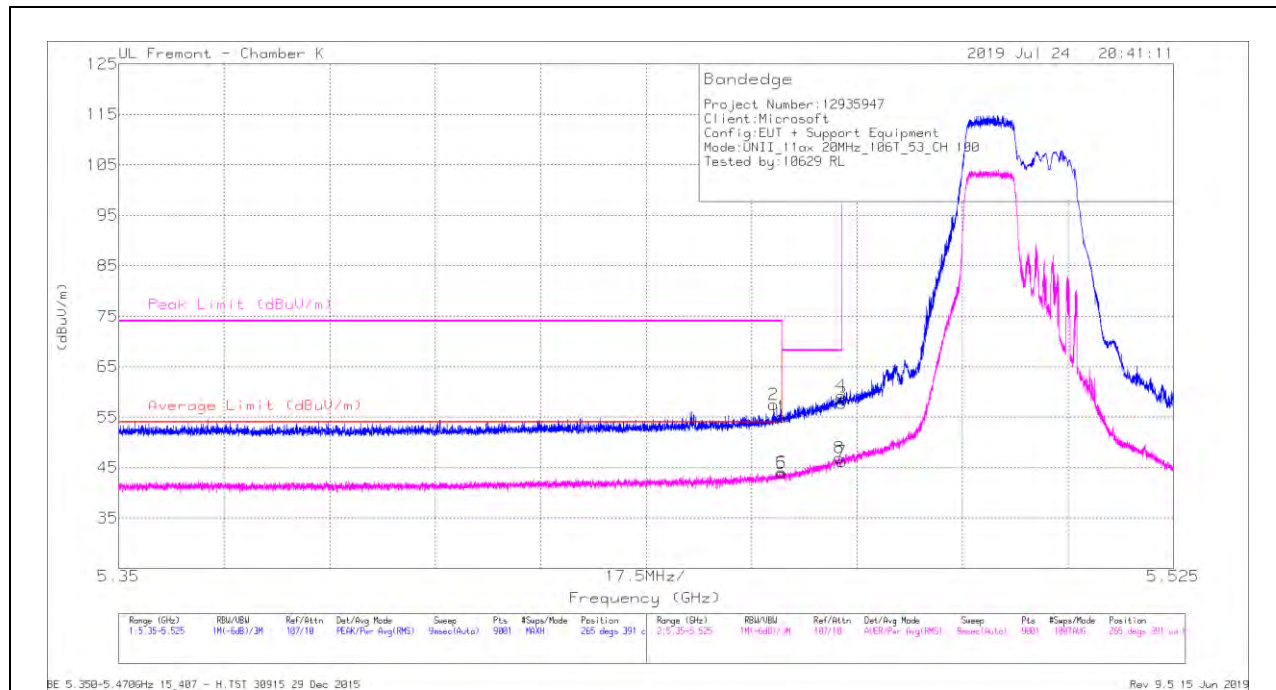
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

2TX Chain 0 + Chain 1 OFDMA MODE – 106-Tones, RU Index 53

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



Trace Markers

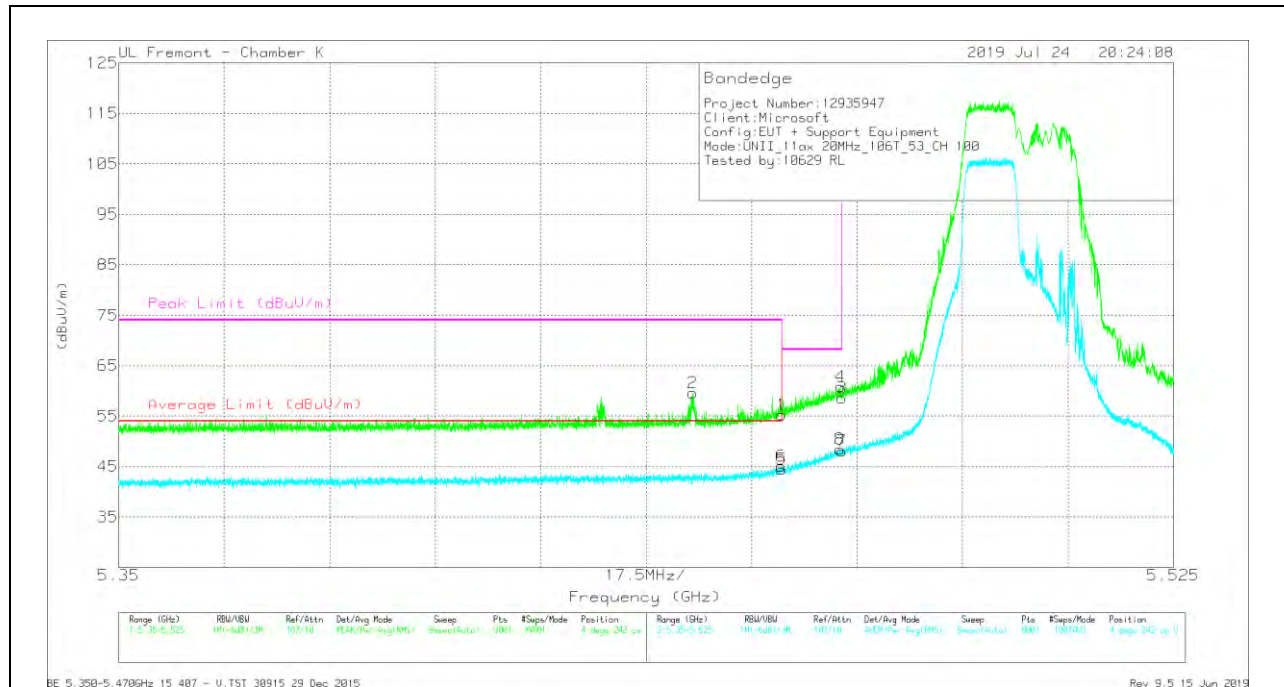
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF EMC4294 (dBm)	Amp/Cbl/Filr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.46	40.2	Pk	34.5	-19.7	0	55	-	-	74	-19	265	391	H
2	* 5.45869	42.73	Pk	34.5	-19.7	0	57.53	-	-	74	-16.47	265	391	H
3	5.46999	42.98	Pk	34.5	-19.7	0	57.78	-	-	68.2	-10.42	265	391	H
4	5.46987	44.42	Pk	34.5	-19.7	0	59.22	-	-	68.2	-8.98	265	391	H
5	* 5.46	29.04	RMS	34.5	-19.7	0	43.84	54	-10.16	-	-	265	391	H
6	* 5.45998	29.3	RMS	34.5	-19.7	0	44.1	54	-9.9	-	-	265	391	H
7	5.46999	31.43	RMS	34.5	-19.7	0	46.23	-	-	-	-	265	391	H
8	5.4696	32.15	RMS	34.5	-19.7	0	46.95	-	-	-	-	265	391	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Trace Markers

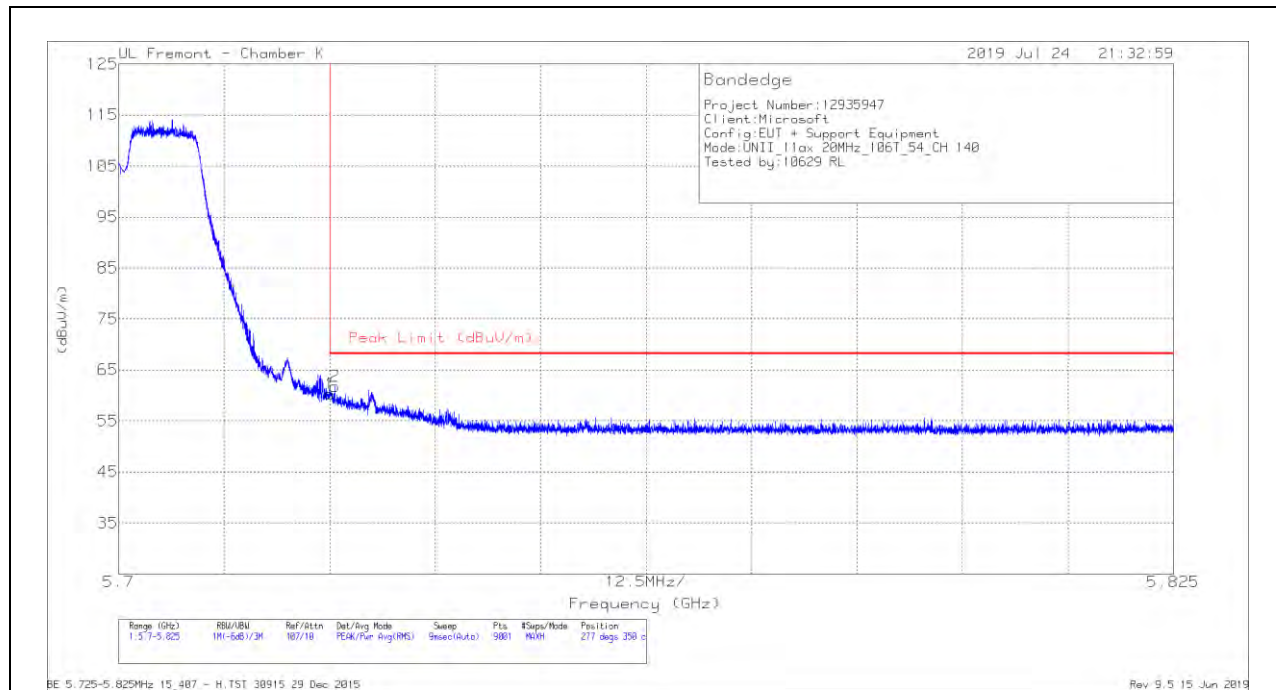
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF EMC4294 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.46	40.44	Pk	34.5	-19.7	0	55.24	-	-	74	-18.76	4	242	V
2	* 5.44522	44.94	Pk	34.4	-19.7	0	59.64	-	-	74	-14.36	4	242	V
3	5.46999	43.81	Pk	34.5	-19.7	0	58.61	-	-	68.2	-9.59	4	242	V
4	5.46974	46.07	Pk	34.5	-19.7	0	60.87	-	-	68.2	-7.33	4	242	V
5	* 5.46	29.68	RMS	34.5	-19.7	0	44.48	54	-9.52	-	-	4	242	V
6	* 5.45994	30.33	RMS	34.5	-19.7	0	45.13	54	-8.87	-	-	4	242	V
7	5.46999	33.31	RMS	34.5	-19.7	0	48.11	-	-	-	-	4	242	V
8	5.46966	33.64	RMS	34.5	-19.7	0	48.44	-	-	-	-	4	242	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
Pk - Peak detector
RMS - RMS detection

2TX Chain 0 + Chain 1 OFDMA MODE – 106-Tones, RU Index 54

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT

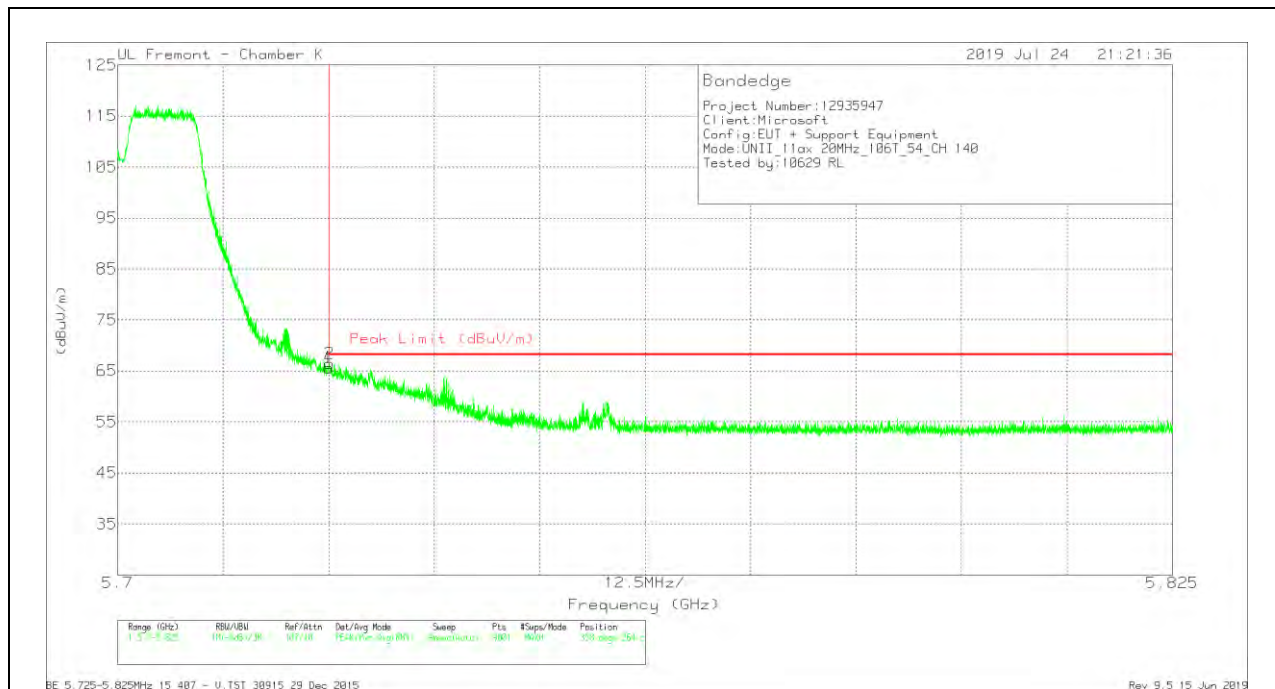


Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF EMC4294 (dB/m)	Amp/Cbl/Fitr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	44.54	Pk	34.8	-19	0	60.34	68.2	-7.86	277	350	H
2	5.72564	46.03	Pk	34.8	-19	0	61.83	68.2	-6.37	277	350	H

Pk - Peak detector

VERTICAL RESULT



Trace Markers

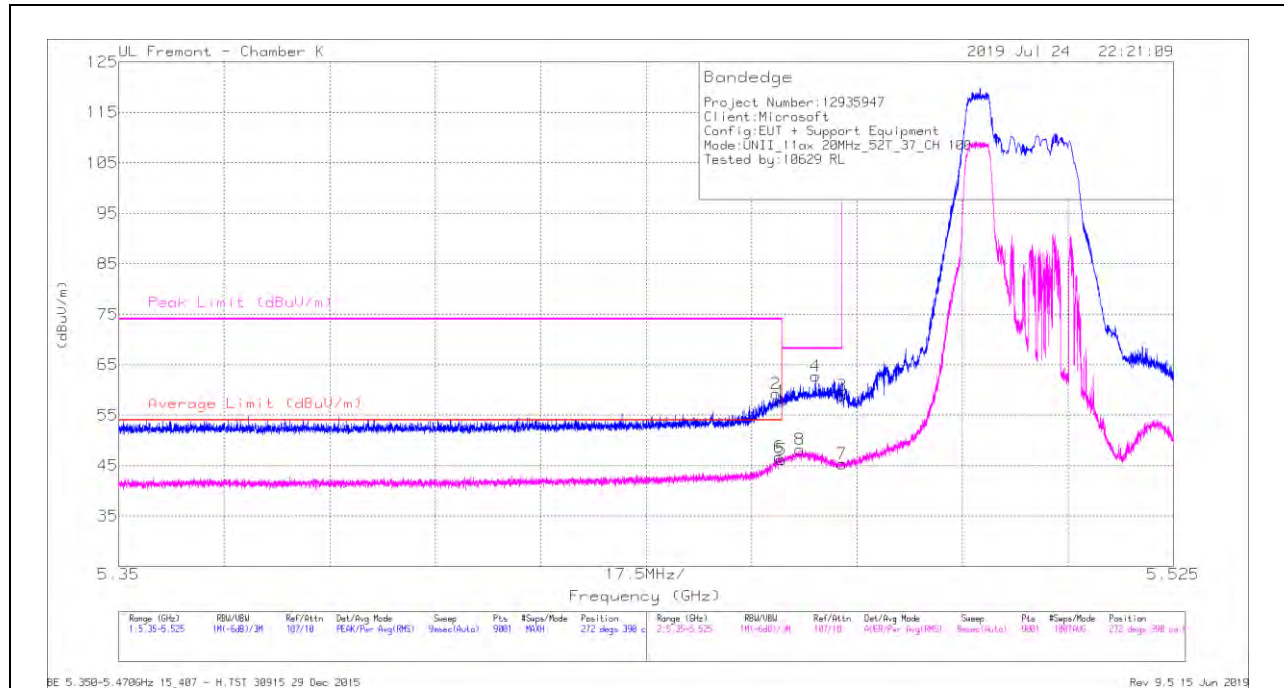
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF EMC4294 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	49.85	Pk	34.8	-19	0	65.65	68.2	-2.55	358	264	V
2	5.7251	50.6	Pk	34.8	-19	0	66.4	68.2	-1.8	358	264	V

Pk - Peak detector

2TX Chain 0 + Chain 1 OFDMA MODE – 52-Tones, RU Index 37

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF EMC4294 (dBm)	Amp/Cbl/Filt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.46	42.98	Pk	34.5	-19.7	0	57.78	-	-	74	-16.22	272	390	H
2	* 5.45908	44.4	Pk	34.5	-19.7	0	59.2	-	-	74	-14.8	272	390	H
3	5.46999	44.09	Pk	34.5	-19.7	0	58.89	-	-	68.2	-9.31	272	390	H
4	5.4656	48.06	Pk	34.4	-19.7	0	62.76	-	-	68.2	-5.44	272	390	H
5	* 5.46	31.4	RMS	34.5	-19.7	0	46.2	54	-7.8	-	-	272	390	H
6	* 5.45955	31.93	RMS	34.5	-19.7	0	46.73	54	-7.27	-	-	272	390	H
7	5.46999	30.47	RMS	34.5	-19.7	0	45.27	-	-	-	-	272	390	H
8	5.46303	33.49	RMS	34.4	-19.7	0	48.19	-	-	-	-	272	390	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection