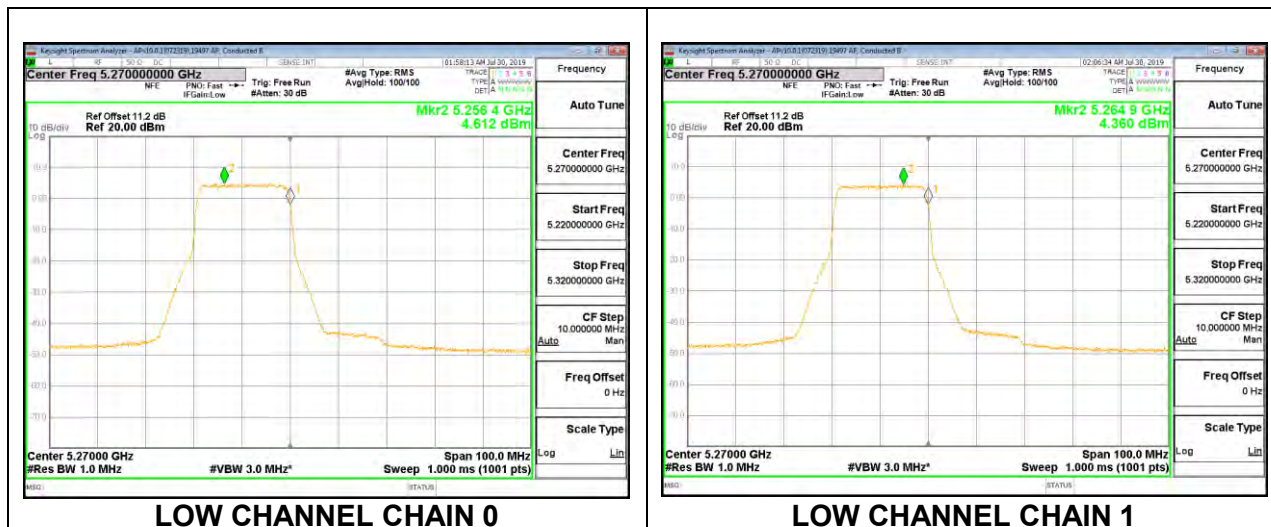
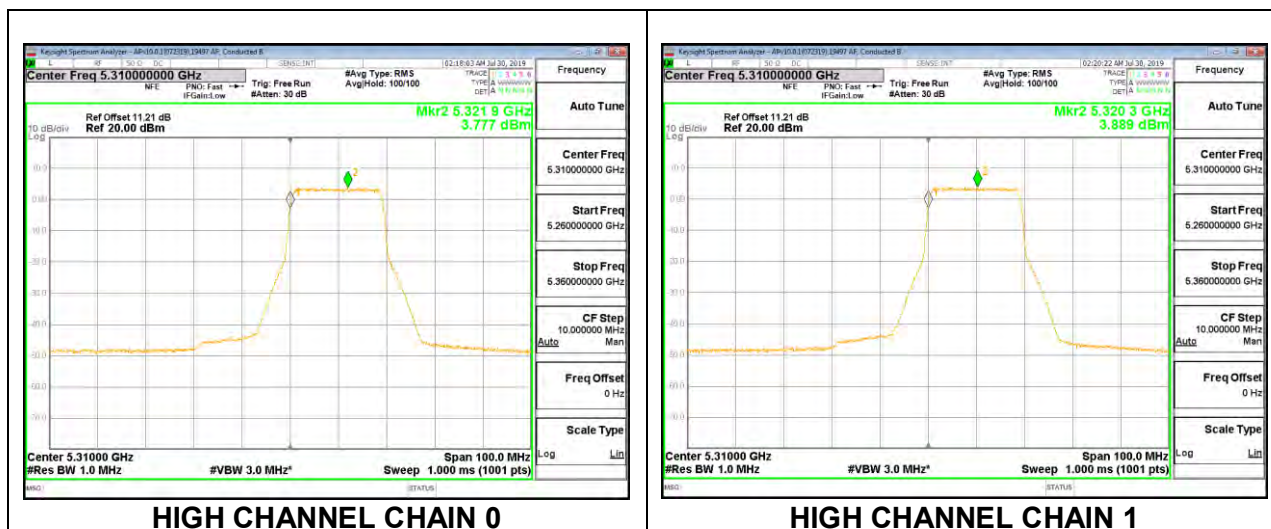


RU Index 61



RU Index 62



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

Bandwidth, Antenna Gain, and Limits

Channel / RU Index	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low / RU53	5270	21.30	6.16	6.16	23.84	10.84
Low / RU54	5270	22.50	6.16	6.16	23.84	10.84
High / RU56	5310	22.40	6.16	6.16	23.84	10.84

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

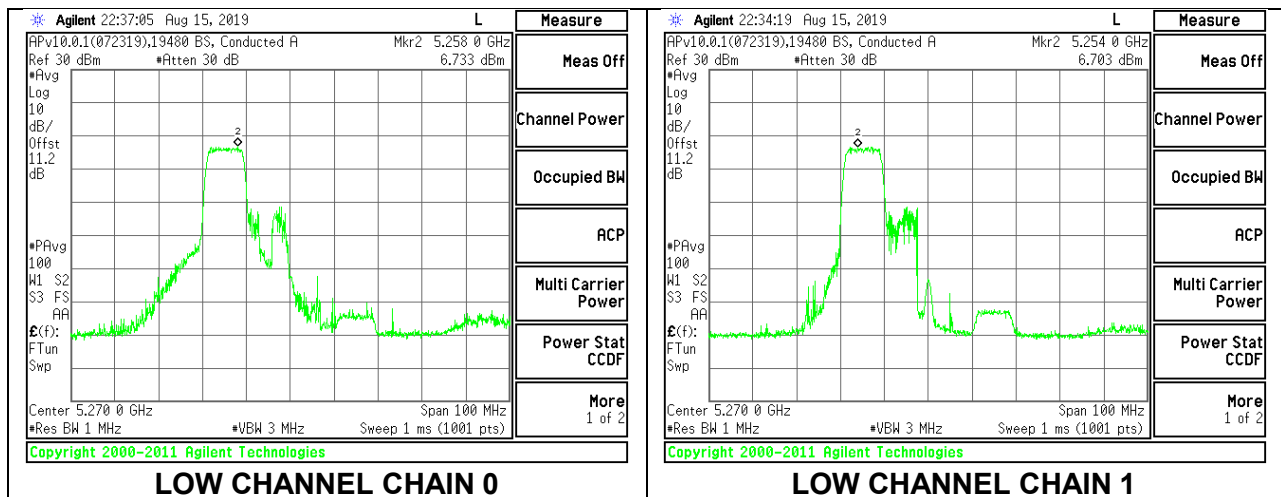
Channel / RU Index	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low / RU53	5270	15.96	16.22	19.10	23.84	-4.74
Low / RU54	5270	16.11	16.33	19.23	23.84	-4.61
High / RU56	5310	15.98	16.23	19.12	23.84	-4.72

PSD Results

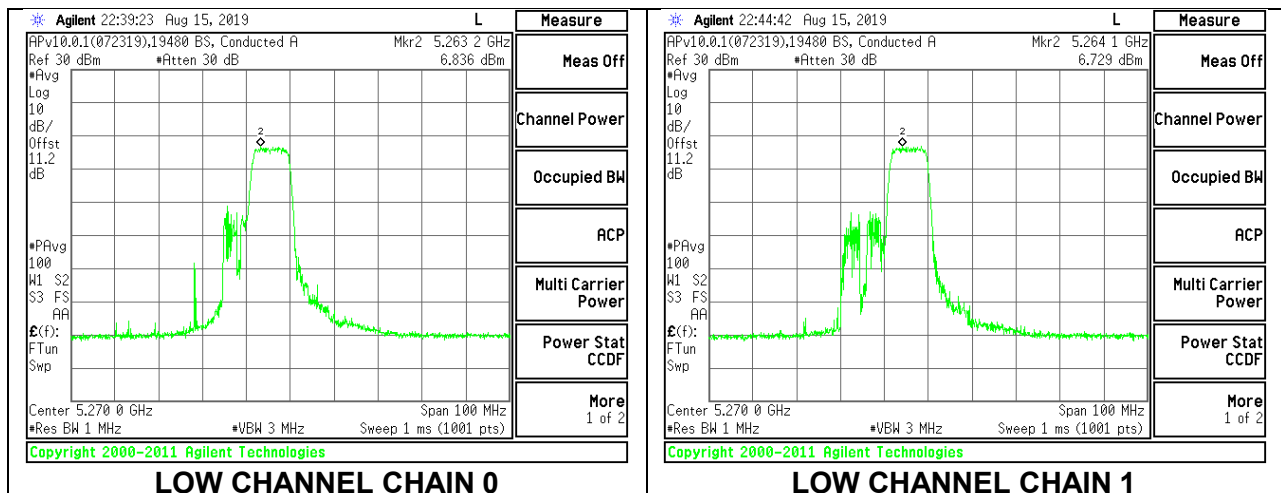
Channel / RU Index	Frequency (MHz)	Chain 0 Meas PSD (dBm/1MHz)	Chain 1 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low / RU53	5270	6.733	6.703	9.73	10.84	-1.11
Low / RU54	5270	6.836	6.729	9.79	10.84	-1.05
High / RU56	5310	6.779	6.526	9.66	10.84	-1.18

NOTE: FCC PSD limit is the worst-case limit. Therefore, FCC limit is use to cover IC limit.

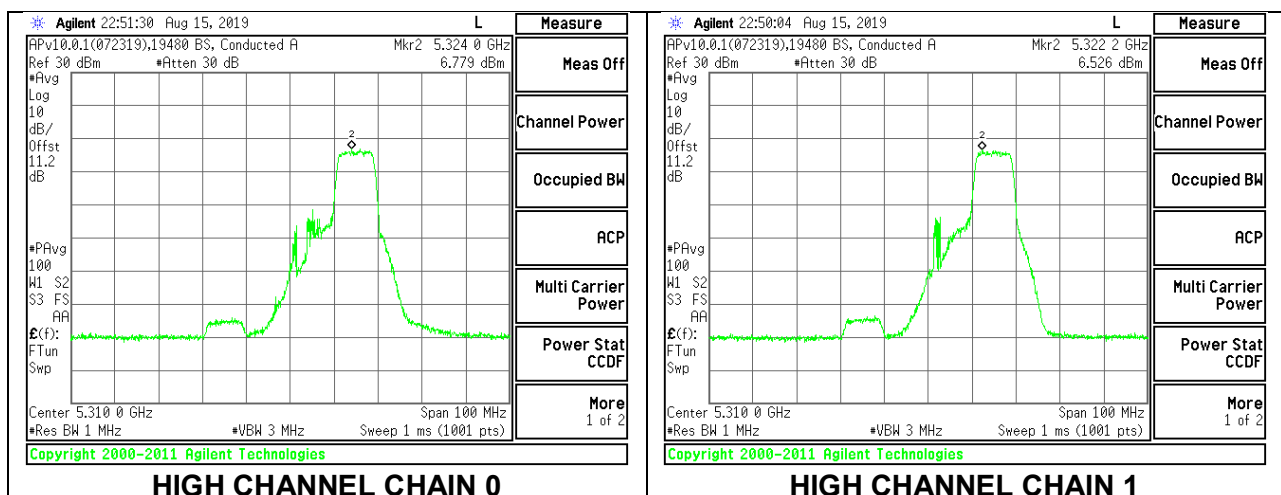
RU Index 53



RU Index 54



RU Index 56



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

Bandwidth, Antenna Gain, and Limits

Channel / RU Index	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low / RU37	5270	21.00	6.16	6.16	23.84	10.84
Low / RU40	5270	21.90	6.16	6.16	23.84	10.84
High / RU44	5310	21.50	6.16	6.16	23.84	10.84

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

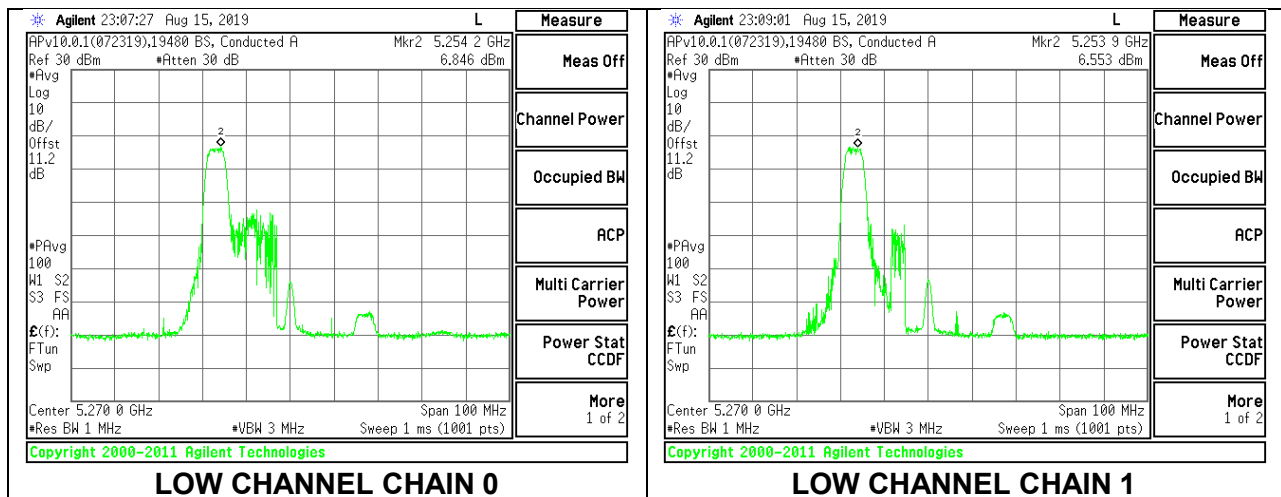
Channel / RU Index	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low / RU37	5270	12.54	12.73	15.65	23.84	-8.19
Low / RU40	5270	12.82	12.90	15.87	23.84	-7.97
High / RU44	5310	12.61	12.74	15.69	23.84	-8.15

PSD Results

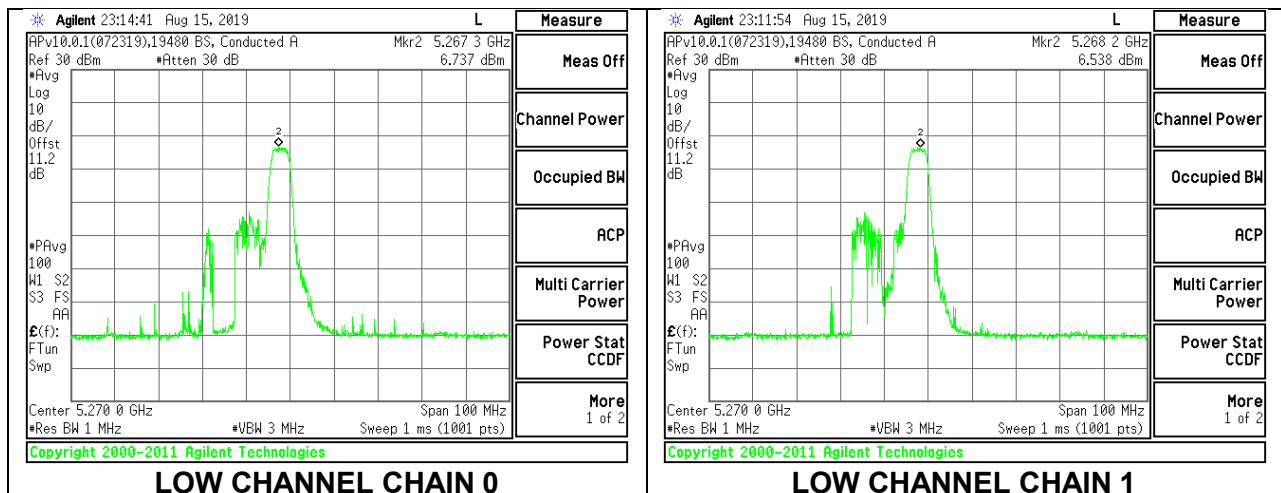
Channel / RU Index	Frequency (MHz)	Chain 0 Meas PSD (dBm/1MHz)	Chain 1 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low / RU37	5270	6.846	6.553	9.71	10.84	-1.13
Low / RU40	5270	6.737	6.538	9.65	10.84	-1.19
High / RU44	5310	6.554	6.440	9.51	10.84	-1.33

NOTE: FCC PSD limit is the worst-case limit. Therefore, FCC limit is use to cover IC limit.

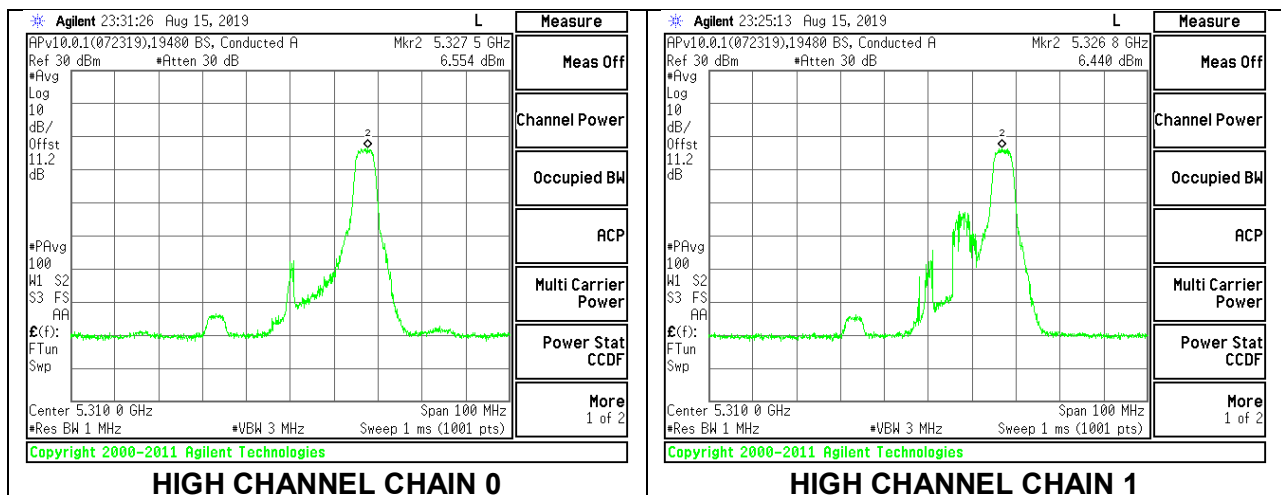
RU Index 37



RU Index 40



RU Index 44



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

Bandwidth, Antenna Gain, and Limits

Channel / RU Index	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Low / RU0	5270	20.10	6.16	6.16	23.84	10.84
Low / RU8	5270	21.40	6.16	6.16	23.84	10.84
High / RU17	5310	20.90	6.16	6.16	23.84	10.84

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

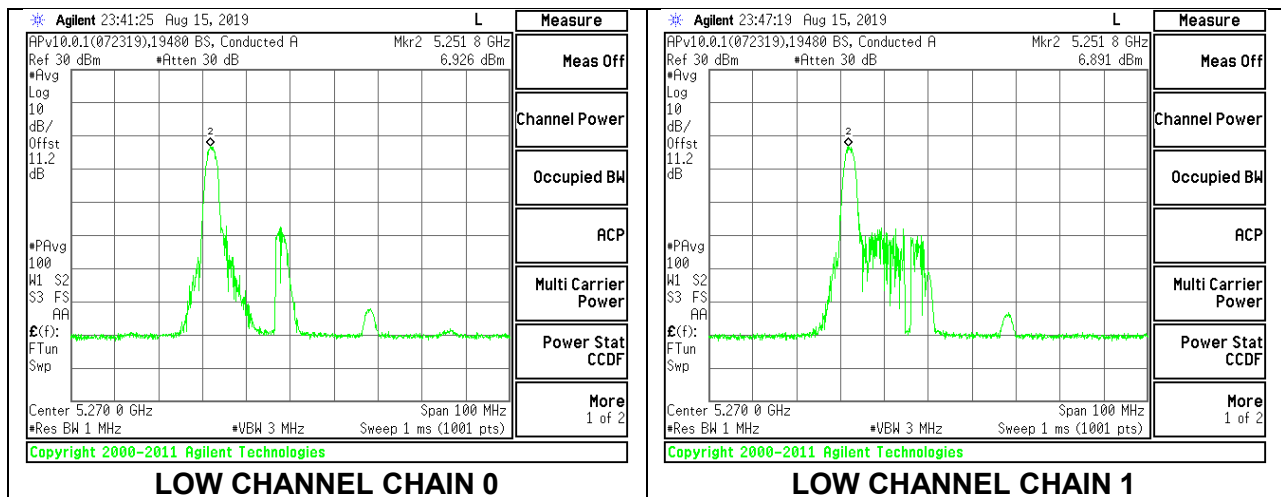
Channel / RU Index	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low / RU0	5270	9.31	9.39	12.36	23.84	-11.48
Low / RU8	5270	9.30	9.24	12.28	23.84	-11.56
High / RU17	5310	9.27	9.39	12.34	23.84	-11.50

PSD Results

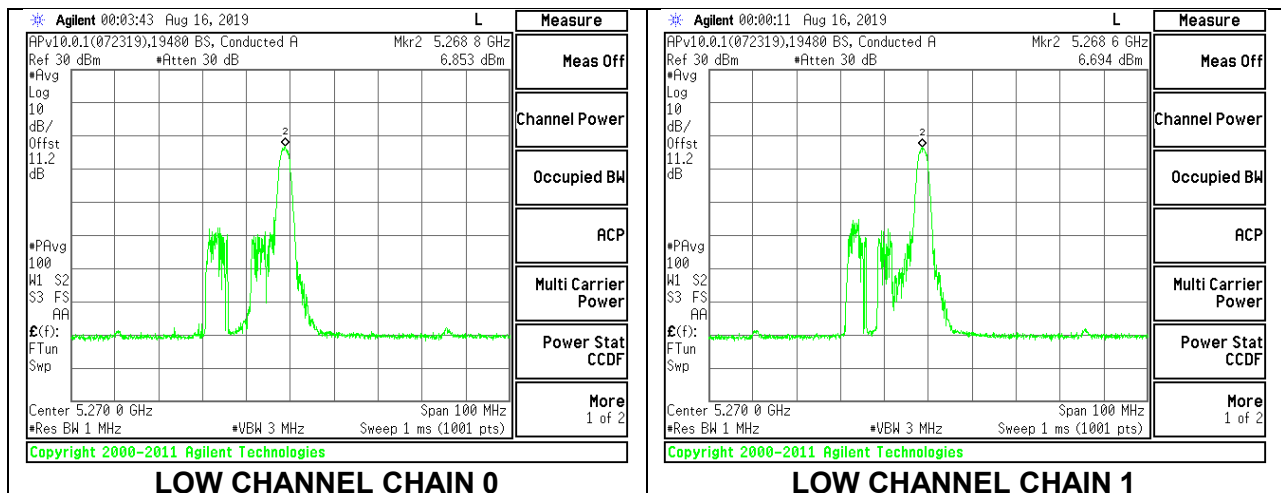
Channel / RU Index	Frequency (MHz)	Chain 0 Meas PSD (dBm/1MHz)	Chain 1 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Low / RU0	5270	6.926	6.891	9.92	10.84	-0.92
Low / RU8	5270	6.853	6.694	9.78	10.84	-1.06
High / RU17	5310	6.903	6.880	9.90	10.84	-0.94

NOTE: FCC PSD limit is the worst-case limit. Therefore, FCC limit is use to cover IC limit.

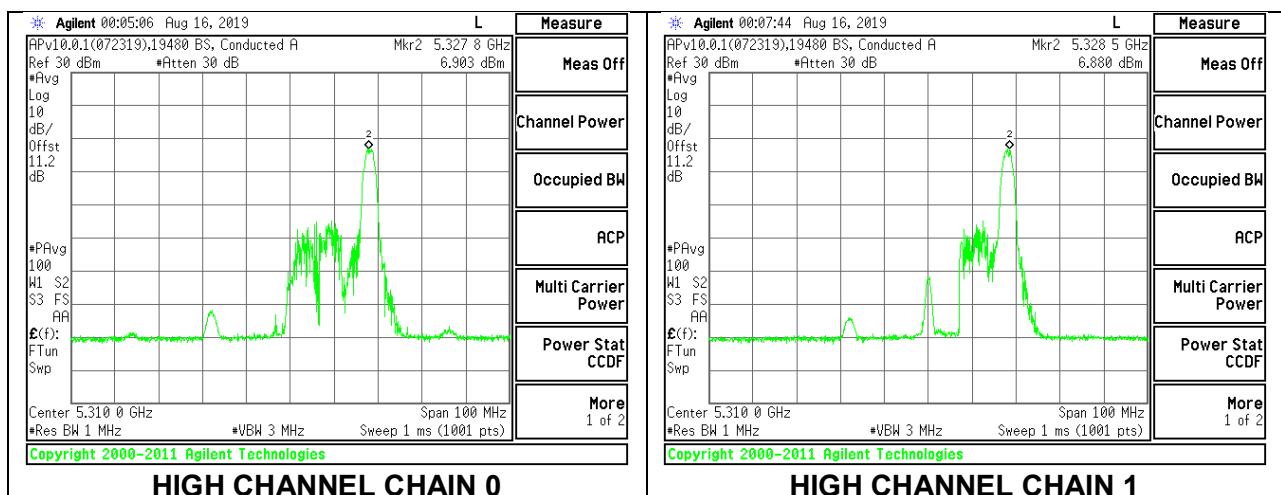
RU Index 0



RU Index 8



RU Index 17



8.4.6. 802.11ax HE80 MODE IN THE 5.3 GHz BAND (FCC/IC)

2TX Chain 0 + Chain 1 SU MODE (FCC)

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Mid	5290	84.40	6.16	6.16	23.84	10.84

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)
Mid	5290	15.68	15.52	18.61	23.84	-5.23

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

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Mid	5290	84.00	6.16	6.16	23.84	10.84

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

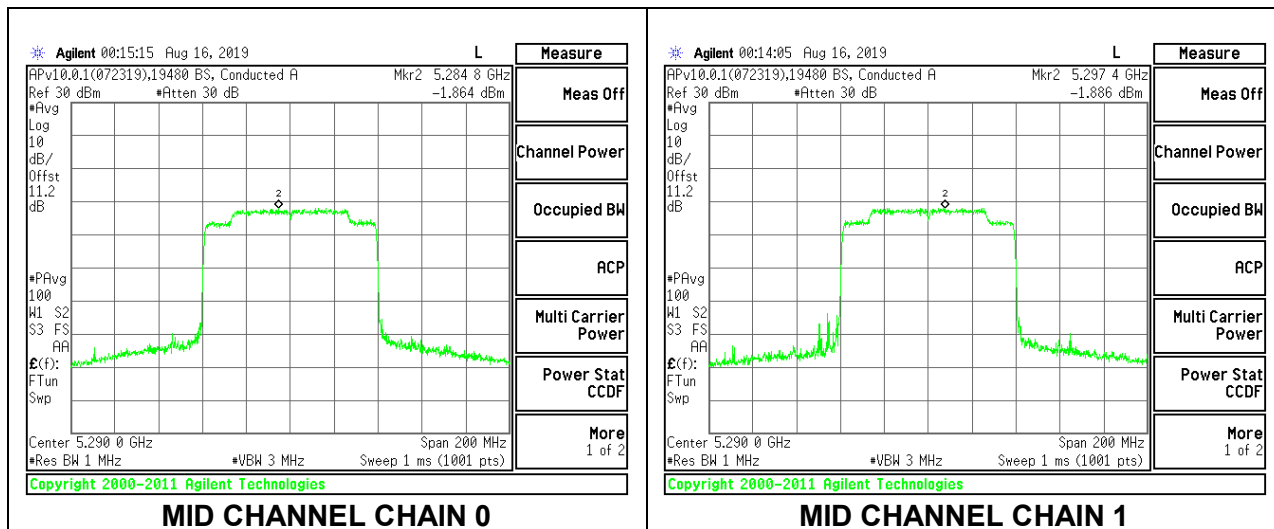
Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5290	16.21	15.98	19.11	23.84	-4.73

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)
Mid	5290	-1.864	-1.886	1.14	10.84	-9.70

NOTE: FCC PSD limit is the worst-case limit. Therefore, FCC limit is use to cover IC limit.

MID CHANNEL



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

Bandwidth, Antenna Gain, and Limits

Channel / RU Index	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Mid / RU65	5290	43.00	6.16	6.16	23.84	10.84
Mid / RU66	5290	43.80	6.16	6.16	23.84	10.84

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

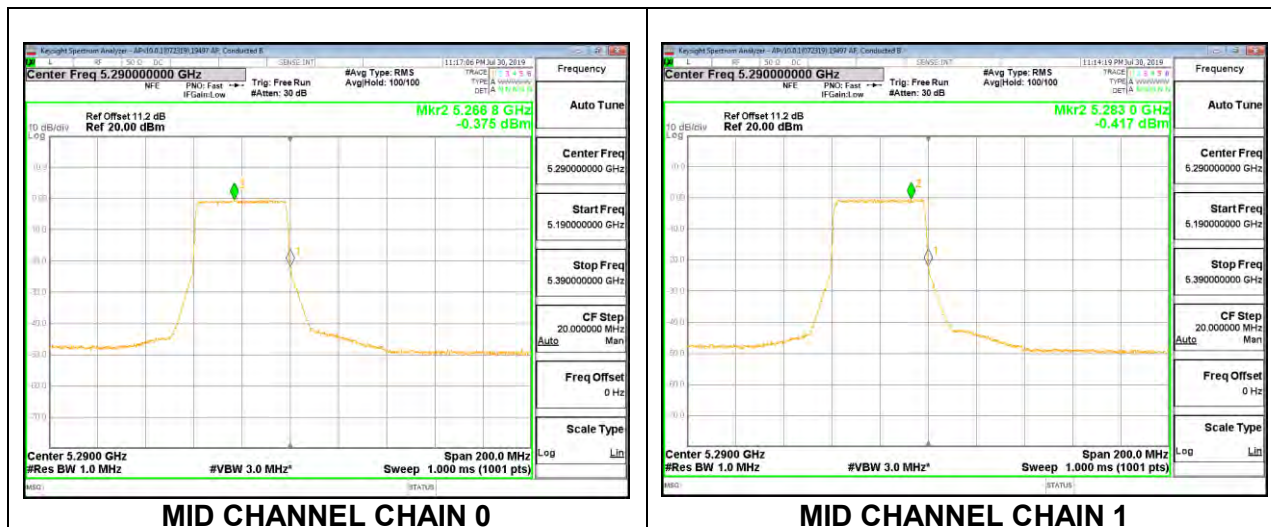
Channel / RU Index	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid / RU65	5290	15.67	15.62	18.66	23.84	-5.18
Mid / RU66	5290	15.80	15.66	18.74	23.84	-5.10

PSD Results

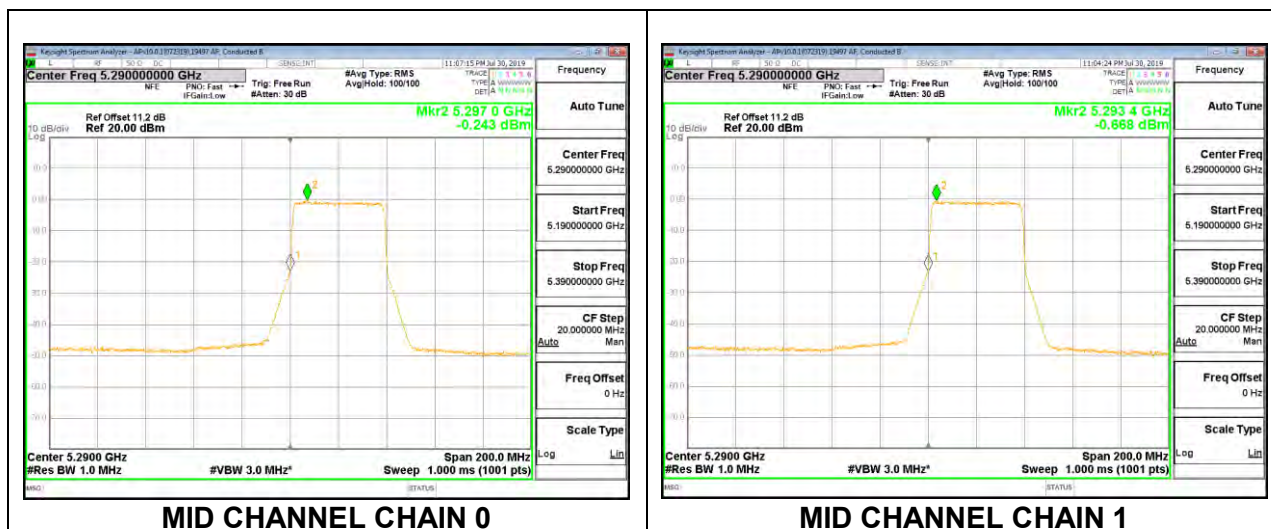
Channel / RU Index	Frequency (MHz)	Chain 0 Meas PSD (dBm/1MHz)	Chain 1 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Mid / RU65	5290	-0.375	-0.417	2.61	10.84	-8.23
Mid / RU66	5290	-0.243	-0.668	2.56	10.84	-8.28

NOTE: FCC PSD limit is the worst-case limit. Therefore, FCC limit is use to cover IC limit.

RU Index 65



RU Index 66



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

Bandwidth, Antenna Gain, and Limits

Channel / RU Index	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Mid / RU61	5290	22.80	6.16	6.16	23.84	10.84
Mid / RU62	5290	41.60	6.16	6.16	23.84	10.84
Mid / RU64	5290	23.20	6.16	6.16	23.84	10.84

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

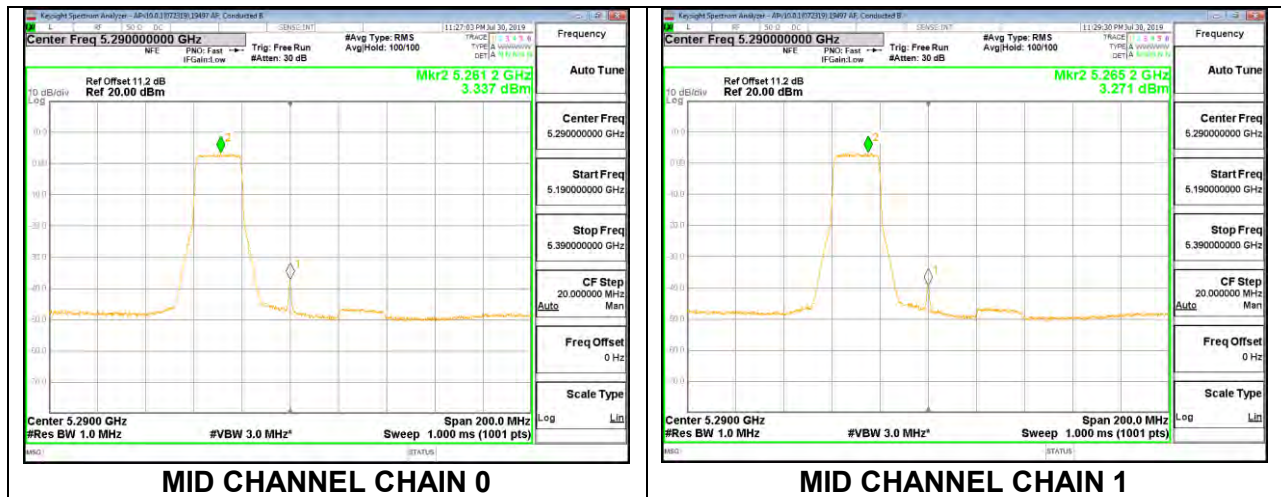
Channel / RU Index	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid / RU61	5290	17.30	16.99	20.16	23.84	-3.68
Mid / RU62	5290	17.22	17.02	20.13	23.84	-3.71
Mid / RU64	5290	17.34	17.16	20.26	23.84	-3.58

PSD Results

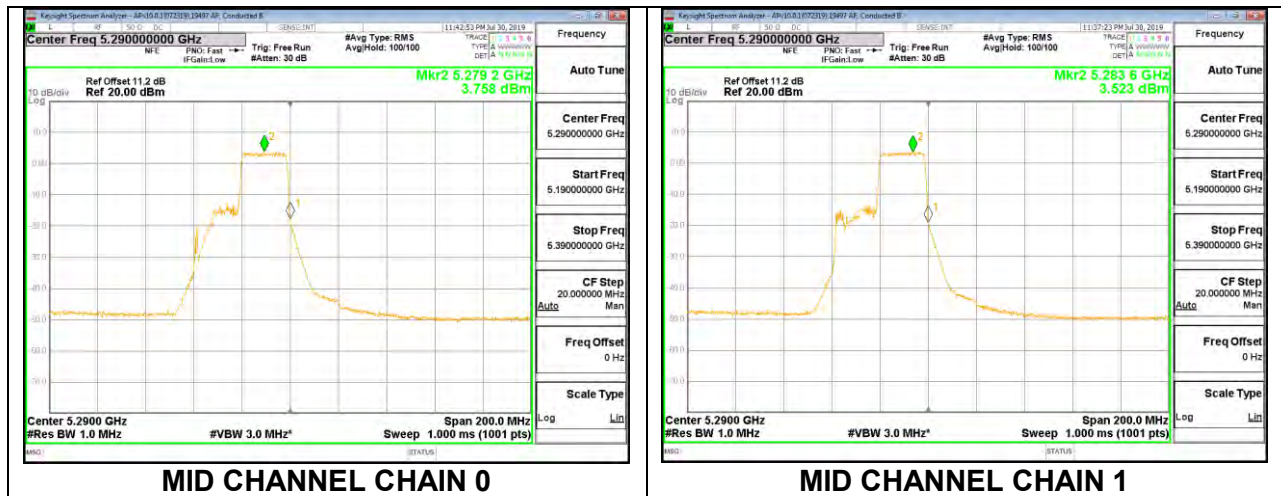
Channel / RU Index	Frequency (MHz)	Chain 0 Meas PSD (dBm/1MHz)	Chain 1 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Mid / RU61	5290	3.337	3.271	6.31	10.84	-4.53
Mid / RU62	5290	3.758	3.523	6.65	10.84	-4.19
Mid / RU64	5290	2.918	2.825	5.88	10.84	-4.96

NOTE: FCC PSD limit is the worst-case limit. Therefore, FCC limit is use to cover IC limit.

RU Index 61



RU Index 62



RU Index 64



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

Bandwidth, Antenna Gain, and Limits

Channel / RU Index	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Mid / RU53	5290	21.80	6.16	6.16	23.84	10.84
Mid / RU56	5290	21.60	6.16	6.16	23.84	10.84
Mid / RU60	5290	21.80	6.16	6.16	23.84	10.84

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

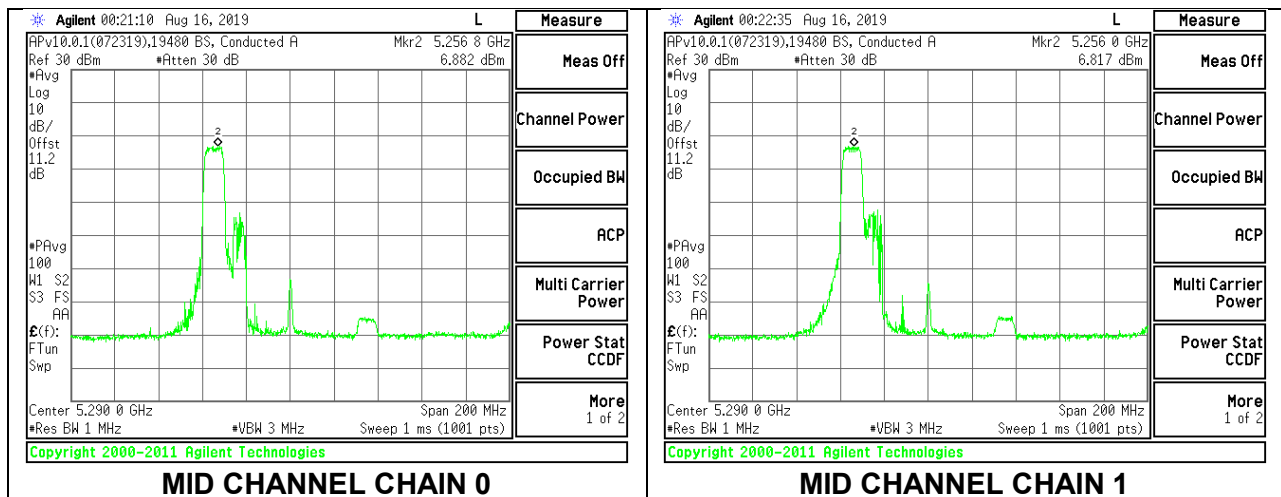
Channel / RU Index	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid / RU53	5290	16.27	15.97	19.13	23.84	-4.71
Mid / RU56	5290	16.31	16.20	19.27	23.84	-4.57
Mid / RU60	5290	16.41	16.27	19.35	23.84	-4.49

PSD Results

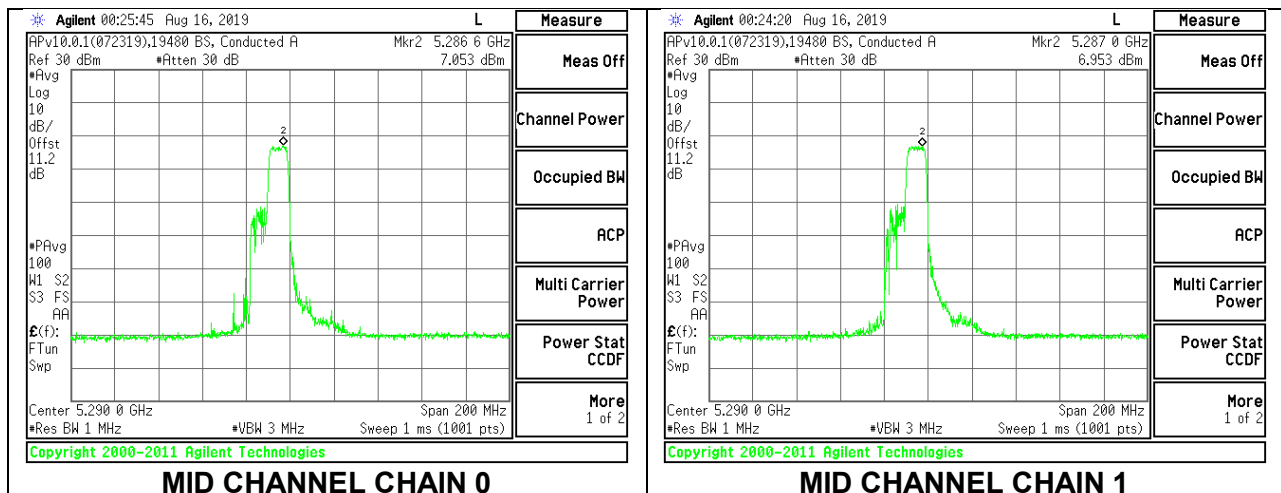
Channel / RU Index	Frequency (MHz)	Chain 0 Meas PSD (dBm/1MHz)	Chain 1 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Mid / RU53	5290	6.882	6.817	9.86	10.84	-0.98
Mid / RU56	5290	7.053	6.953	10.01	10.84	-0.83
Mid / RU60	5290	6.764	6.674	9.73	10.84	-1.11

NOTE: FCC PSD limit is the worst-case limit. Therefore, FCC limit is use to cover IC limit.

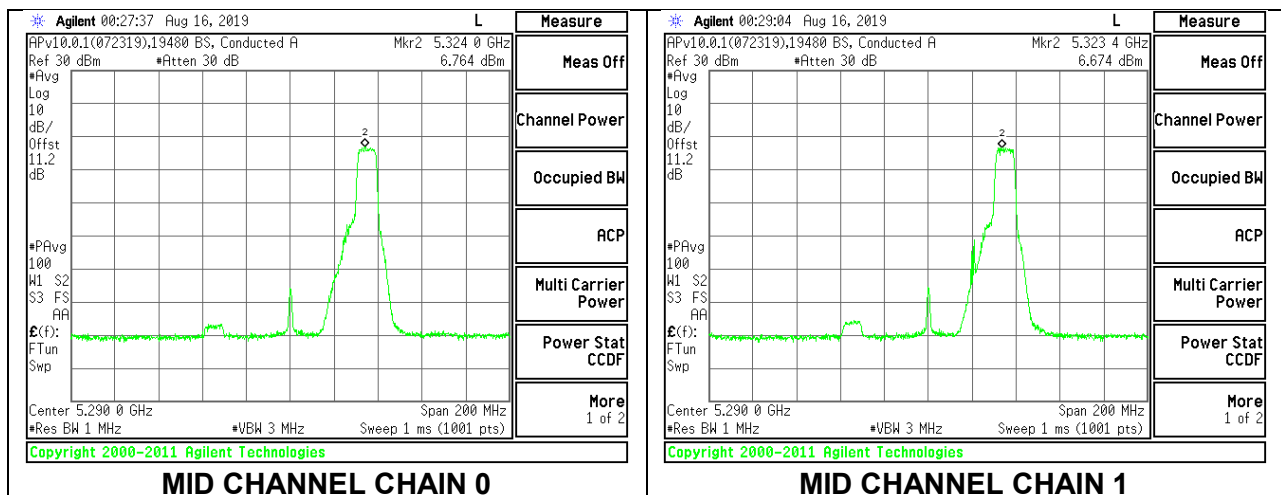
RU Index 53



RU Index 56



RU Index 60



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

Bandwidth, Antenna Gain, and Limits

Channel / RU Index	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Mid / RU37	5290	21.20	6.16	6.16	23.84	10.84
Mid / RU44	5290	21.00	6.16	6.16	23.84	10.84
Mid / RU52	5290	21.20	6.16	6.16	23.84	10.84

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

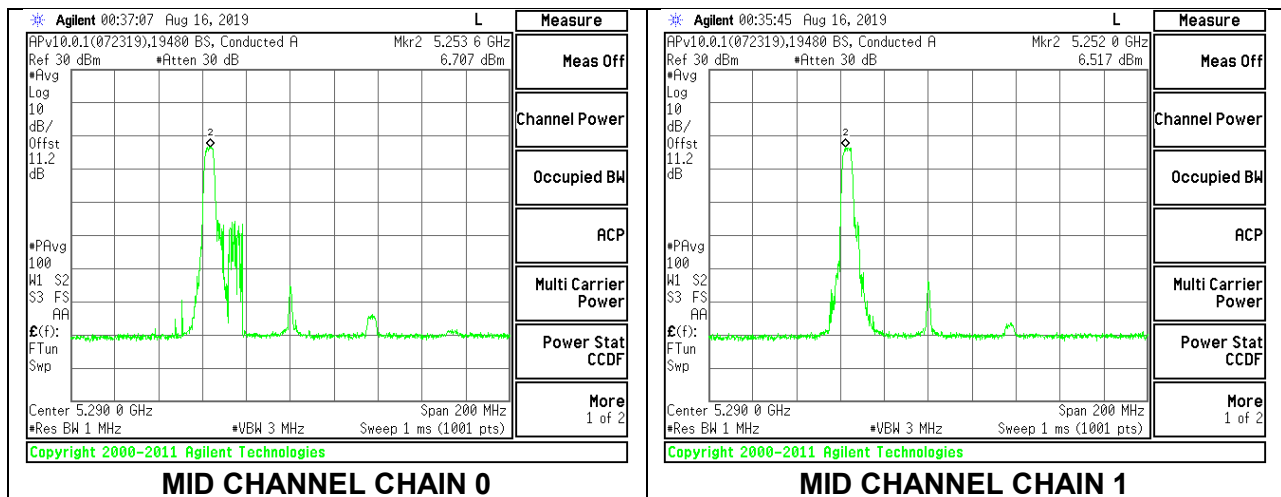
Channel / RU Index	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid / RU37	5290	13.05	12.73	15.90	23.84	-7.94
Mid / RU44	5290	13.10	12.61	15.87	23.84	-7.97
Mid / RU52	5290	12.97	12.67	15.83	23.84	-8.01

PSD Results

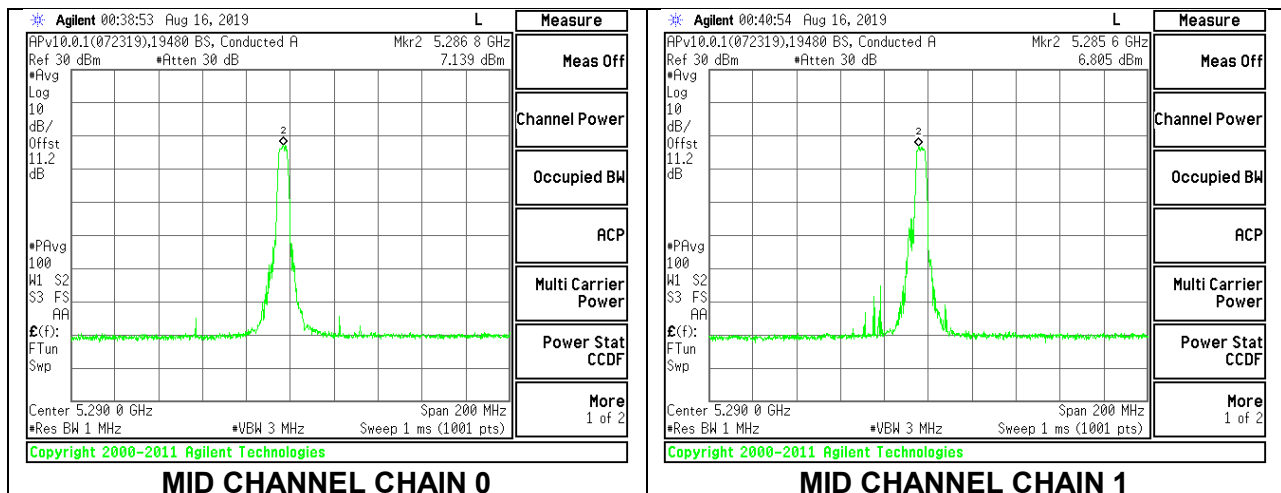
Channel / RU Index	Frequency (MHz)	Chain 0 Meas PSD (dBm/1MHz)	Chain 1 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Mid / RU37	5290	6.707	6.517	9.62	10.84	-1.22
Mid / RU44	5290	7.139	6.805	9.99	10.84	-0.85
Mid / RU52	5290	6.793	6.590	9.70	10.84	-1.14

NOTE: FCC PSD limit is the worst-case limit. Therefore, FCC limit is use to cover IC limit.

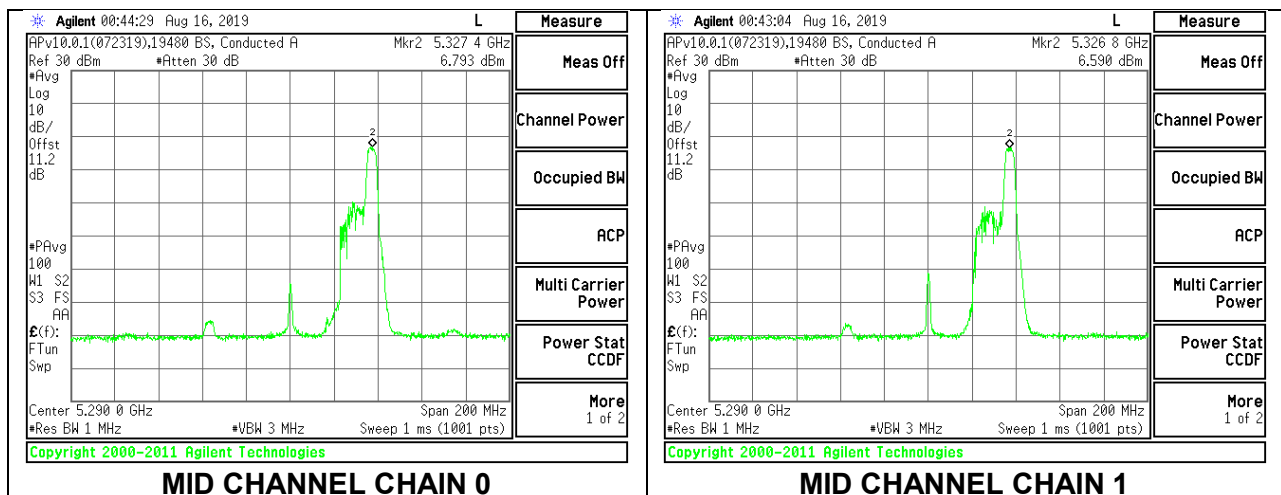
RU Index 37



RU Index 44



RU Index 52



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

Bandwidth, Antenna Gain, and Limits

Channel / RU Index	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Mid / RU0	5290	21.00	6.16	6.16	23.84	10.84
Mid / RU18	5290	39.00	6.16	6.16	23.84	10.84
Mid / RU36	5290	20.80	6.16	6.16	23.84	10.84

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

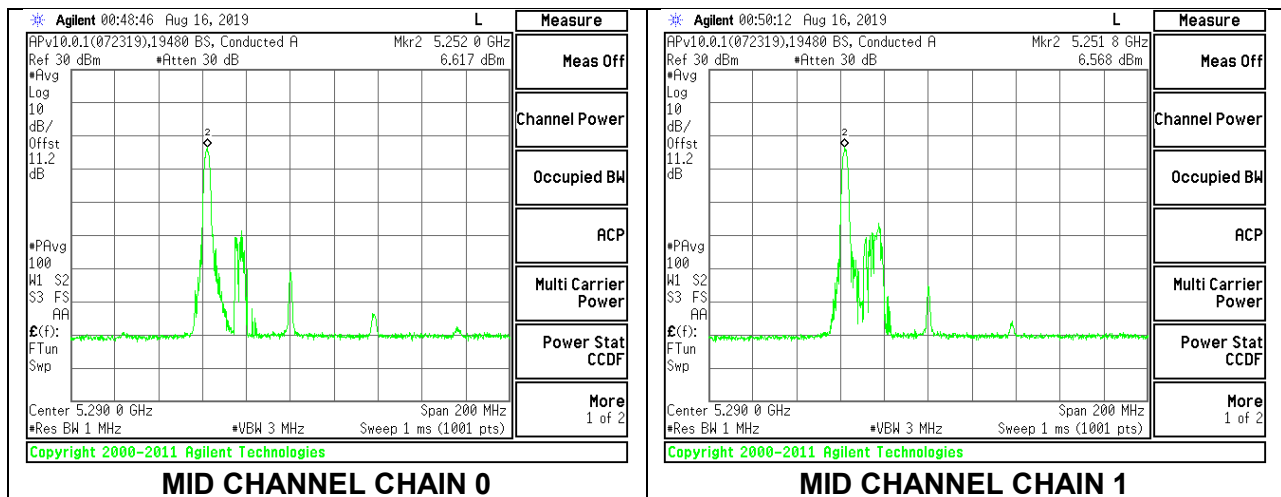
Channel / RU Index	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid / RU0	5290	10.52	10.10	13.33	23.84	-10.51
Mid / RU18	5290	10.16	9.98	13.08	23.84	-10.76
Mid / RU36	5290	9.86	10.22	13.05	23.84	-10.79

PSD Results

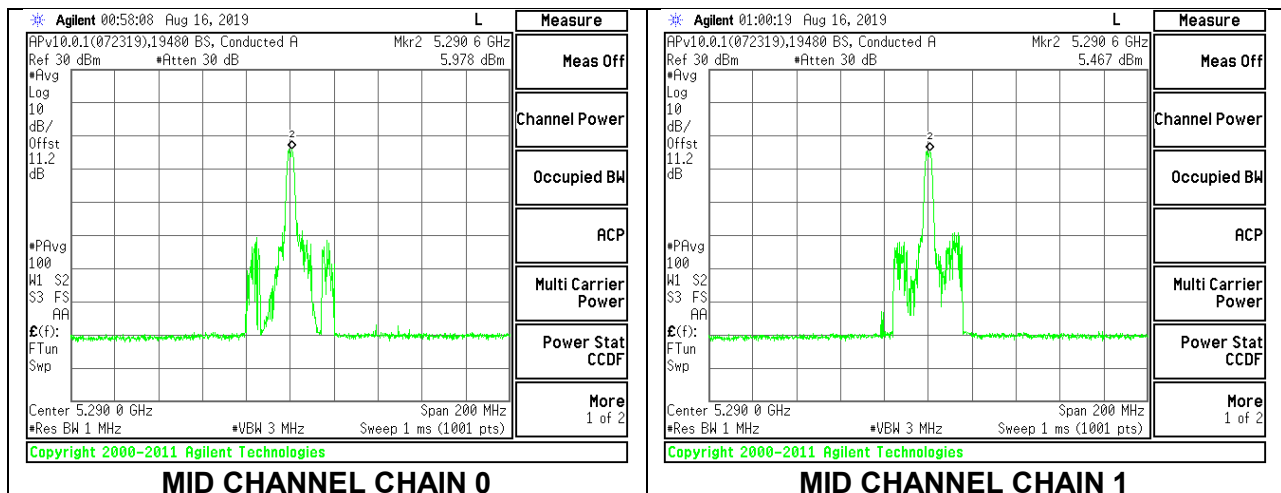
Channel / RU Index	Frequency (MHz)	Chain 0 Meas PSD (dBm/1MHz)	Chain 1 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/1MHz)	PSD Margin (dB)
Mid / RU0	5290	6.617	6.568	9.60	10.84	-1.24
Mid / RU18	5290	5.978	5.467	8.74	10.84	-2.10
Mid / RU36	5290	7.294	6.591	9.97	10.84	-0.87

NOTE: FCC PSD limit is the worst-case limit. Therefore, FCC limit is use to cover IC limit.

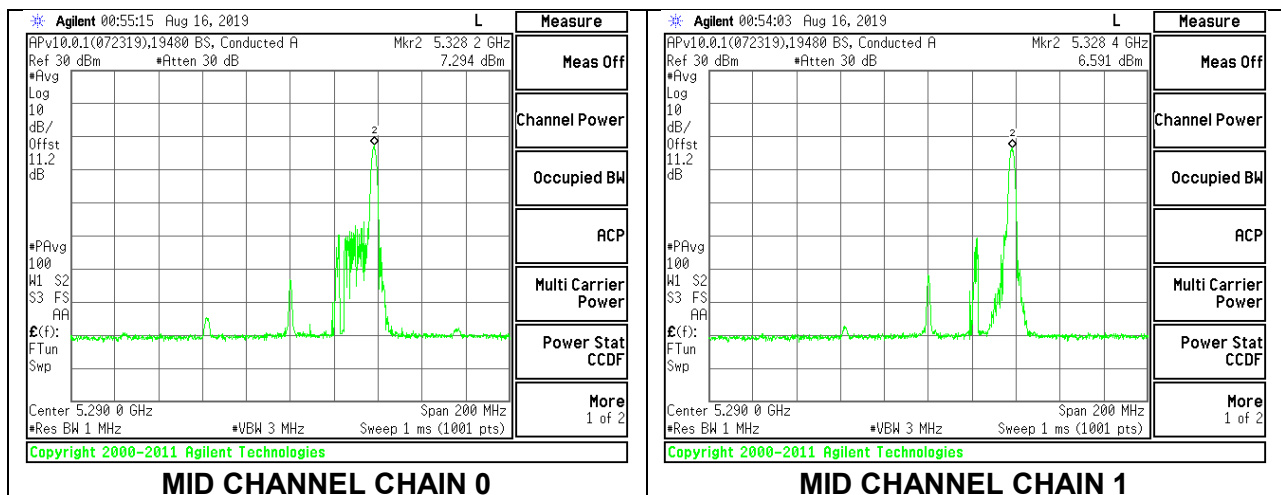
RU Index 0



RU Index 18



RU Index 36



8.4.7. 802.11ax HE160 MODE IN THE 5.2 & 5.3 GHz BAND (FCC+IC)

2TX Chain 0 + Chain 1 SU MODE (FCC+IC)

Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 99% BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)
Mid	5250	154.750	4.75	4.75

Limits

Channel	Frequency (MHz)	FCC Power Limit (dBm)	ISED EIRP Limit (dBm)	Max ISED Power (dBm)	Power Limit (dBm)	FCC PSD Limit (dBm/ 1MHz)	ISED eirp PSD Limit (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)
Mid	5250	24.00	23.00	18.25	18.25	11.00	10.00	5.25

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)
Mid	5250	13.06	13.34	16.21	18.25	-2.04

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

Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 99% BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)
Mid	5250	154.890	4.75	4.75

Limits

Channel	Frequency (MHz)	FCC Power Limit (dBm)	ISED EIRP Limit (dBm)	Max ISED Power (dBm)	Power Limit (dBm)	FCC PSD Limit (dBm/ 1MHz)	ISED eirp PSD Limit (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)
Mid	5250	24.00	23.00	18.25	18.25	11.00	10.00	5.25

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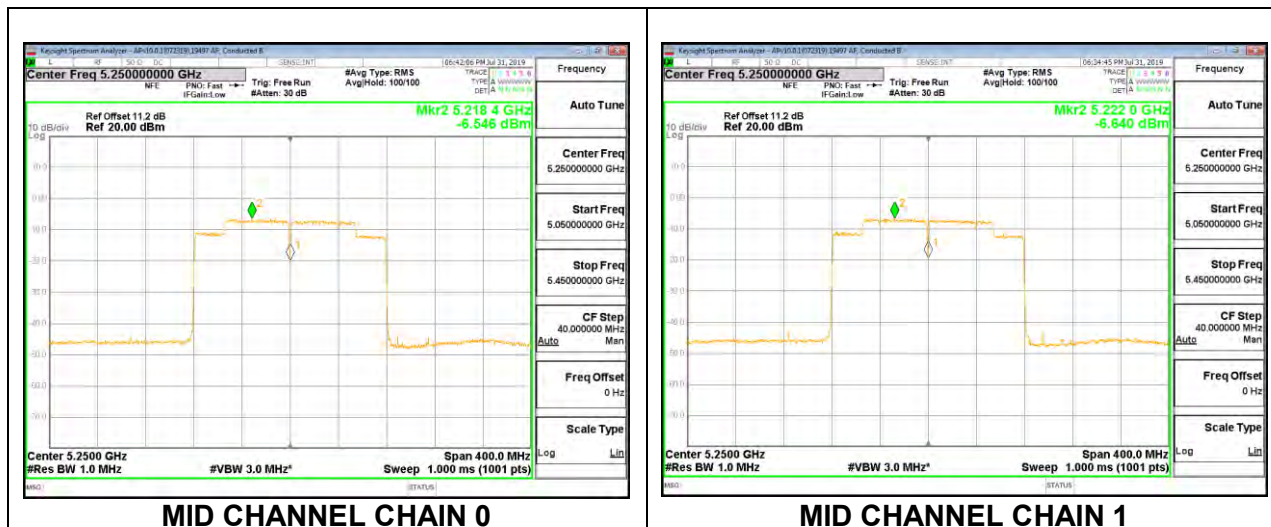
Output Power Results

Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5250	13.58	13.69	16.65	18.25	-1.60

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)
Mid	5250	-6.546	-6.640	-3.58	5.25	-8.83

MID CHANNEL



2TX Chain 0 + Chain 1 OFDMA MODE (FCC+IC) – 996-Tones, RU Index 67 - 5.2GHz band

Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 99% BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)
Mid	5250	77.028	4.75	4.75

Limits

Channel	Frequency (MHz)	FCC Power Limit (dBm)	ISED EIRP Limit (dBm)	Max ISED Power (dBm)	Power Limit (dBm)	FCC PSD Limit (dBm/ 1MHz)	ISED eirp PSD Limit (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)
Mid	5250	24.00	23.00	18.25	18.25	11.00	10.00	5.25

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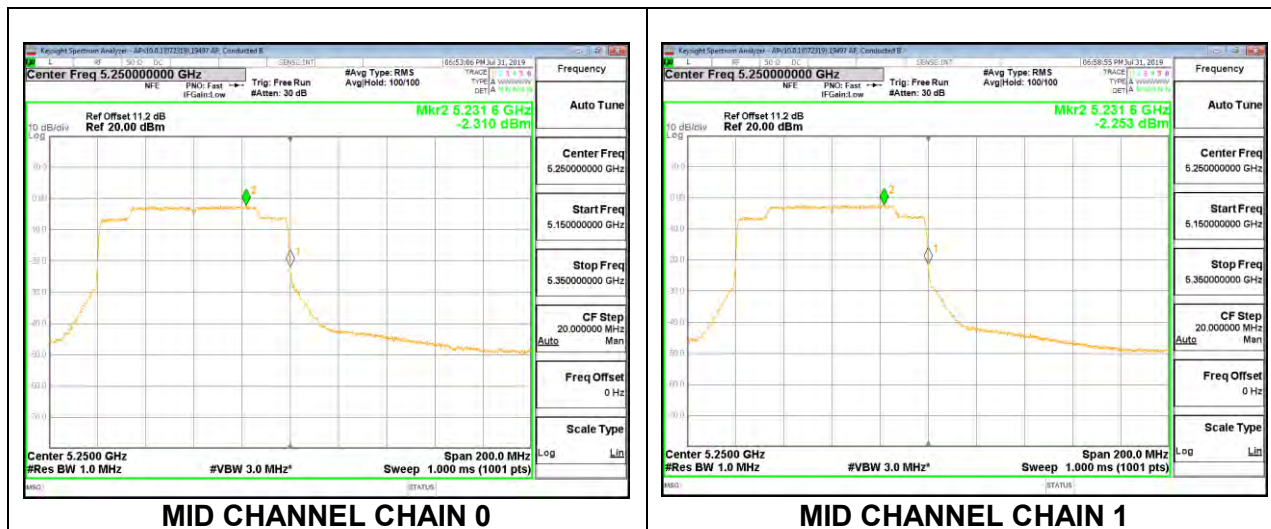
Output Power Results

Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5250	14.53	14.29	17.42	18.25	-0.83

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)
Mid	5250	-2.310	-2.253	0.73	5.25	-4.52

MID CHANNEL



2TX Chain 0 + Chain 1 OFDMA MODE (FCC) – 996-Tones, RU Index S67- 5.3GHz band

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Mid	5250	86.00	6.16	6.16	23.84	10.84

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

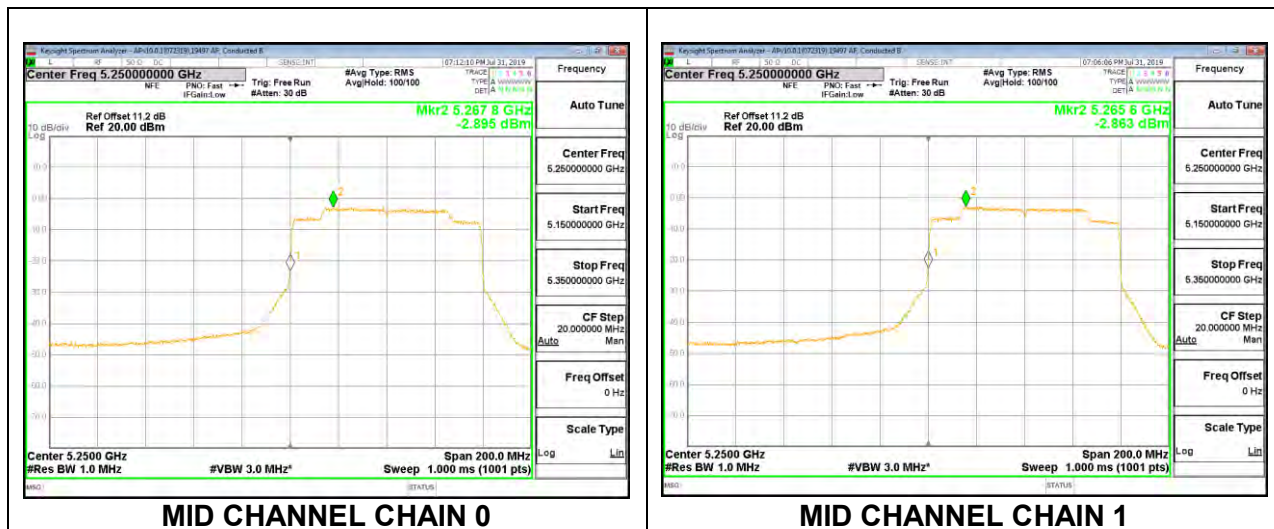
Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5250	14.56	14.35	17.47	23.84	-6.37

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)
Mid	5250	-2.895	-2.863	0.13	10.84	-10.71

NOTE: FCC PSD limit is the worst-case limit. Therefore, FCC limit is use to cover IC limit.

MID CHANNEL



2TX Chain 0 + Chain 1 OFDMA MODE (FCC+IC) – 484-Tones

Bandwidth and Antenna Gain

Channel / RU Index	Frequency (MHz)	Min 99% BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)
Mid / RU65	5250	37.9731	4.75	4.75
Mid / RU66	5250	37.8539	4.75	4.75

Limits

Channel / RU Index	Frequency (MHz)	FCC Power Limit (dBm)	ISED EIRP Limit (dBm)	Max ISED Power (dBm)	Power Limit (dBm)	FCC PSD Limit (dBm/1MHz)	ISED eirp PSD Limit (dBm/1MHz)	PSD Limit (dBm/1MHz)
Mid / RU65	5250	24.00	23.00	18.25	18.25	11.00	10.00	5.25
Mid / RU66	5250	24.00	23.00	18.25	18.25	11.00	10.00	5.25

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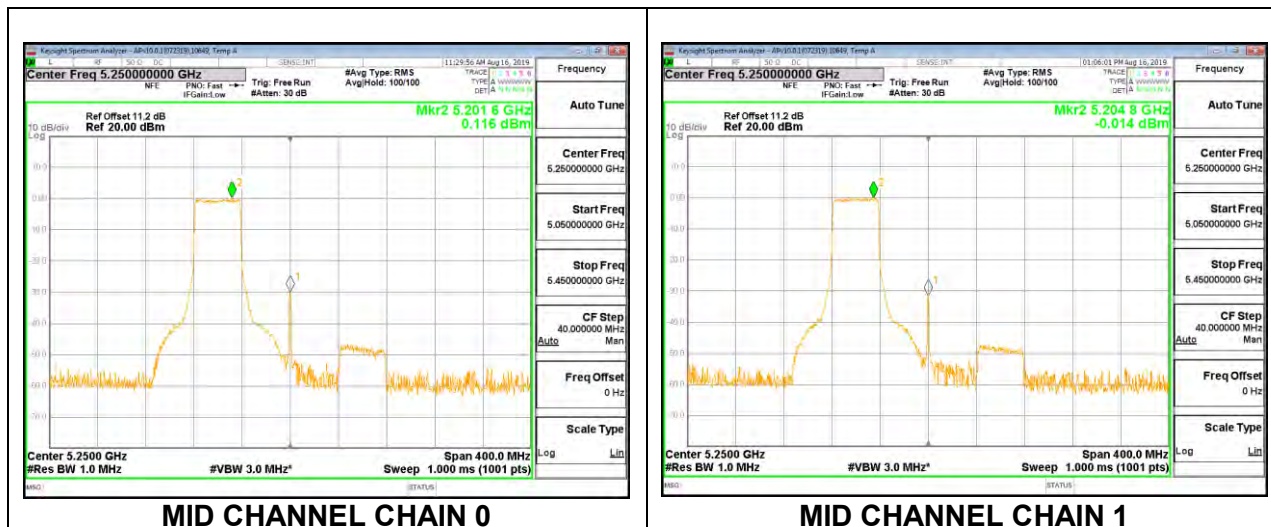
Output Power Results

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)
Mid / RU65	5250	14.62	14.60	17.62	18.25	-0.63
Mid / RU66	5250	14.65	14.60	17.64	18.25	-0.61

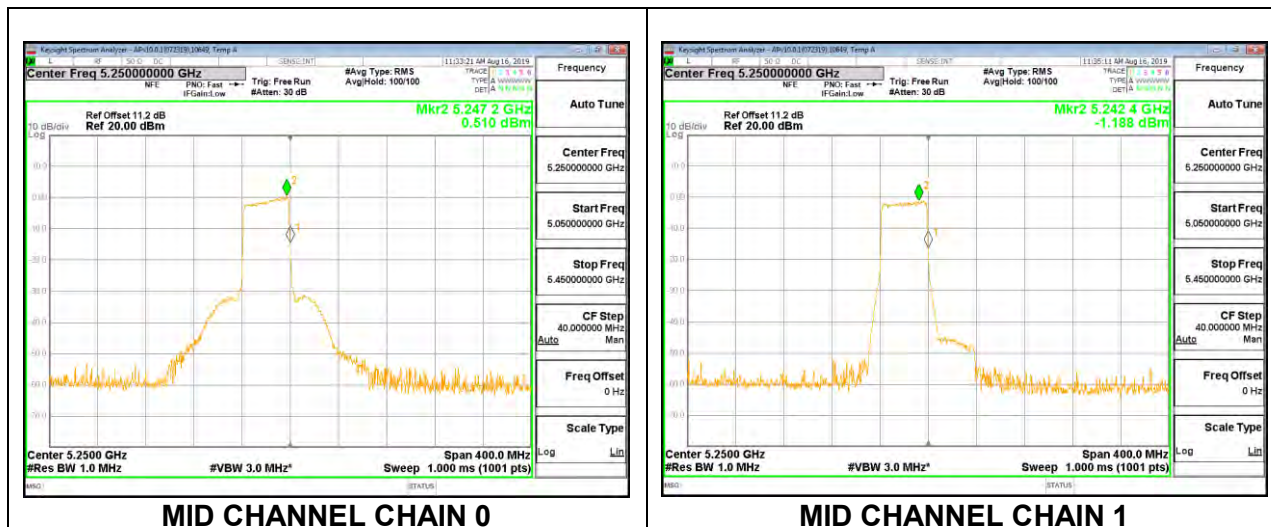
PSD Results

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)
Mid / RU65	5250	0.116	-0.014	3.06	5.25	-2.19
Mid / RU66	5250	0.510	-1.188	2.75	5.25	-2.50

RU Index 65



RU Index 66



2TX Chain 0 + Chain 1 OFDMA MODE (FCC)– 484-Tones, RU Index S66

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Mid	5250	44.00	6.16	6.16	23.84	10.84

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

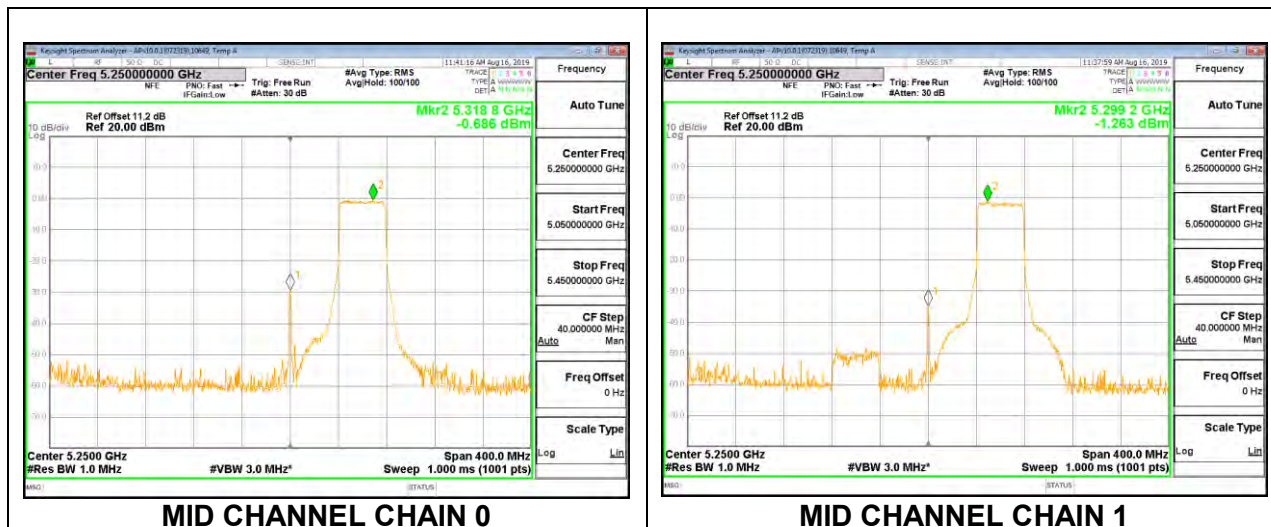
Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5250	14.44	14.64	17.55	23.84	-6.29

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)
Mid	5250	-0.686	-1.263	2.05	10.84	-8.79

NOTE: FCC PSD limit is the worst-case limit. Therefore, FCC limit is use to cover IC limit.

MID CHANNEL



2TX Chain 0 + Chain 1 OFDMA MODE (FCC+IC) – 242-Tones

Bandwidth and Antenna Gain

Channel / RU Index	Frequency (MHz)	Min 99% BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)
Mid / RU61	5250	19.0880	4.75	4.75
Mid / RU64	5250	19.0467	4.75	4.75

Limits

Channel / RU Index	Frequency (MHz)	FCC Power Limit (dBm)	ISED EIRP Limit (dBm)	Max ISED Power (dBm)	Power Limit (dBm)	FCC PSD Limit (dBm/ 1MHz)	ISED eirp PSD Limit (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)
Mid / RU61	5250	24.00	22.81	18.06	18.06	11.00	10.00	5.25
Mid / RU64	5250	24.00	22.80	18.05	18.05	11.00	10.00	5.25

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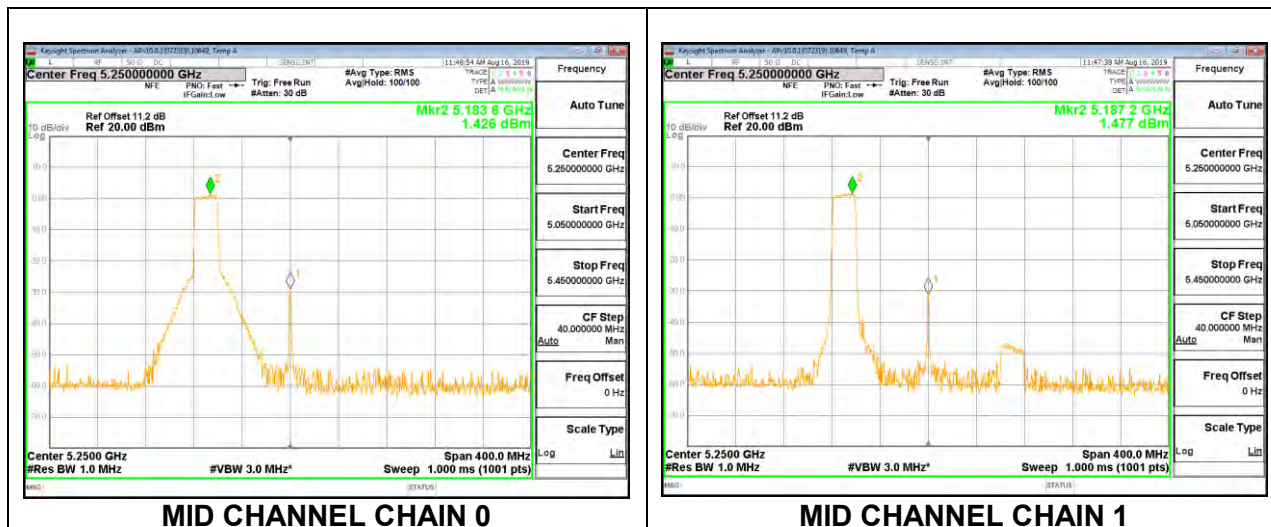
Output Power Results

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)
Mid / RU61	5250	14.33	13.92	17.14	18.06	-0.92
Mid / RU64	5250	14.02	13.86	16.95	18.05	-1.10

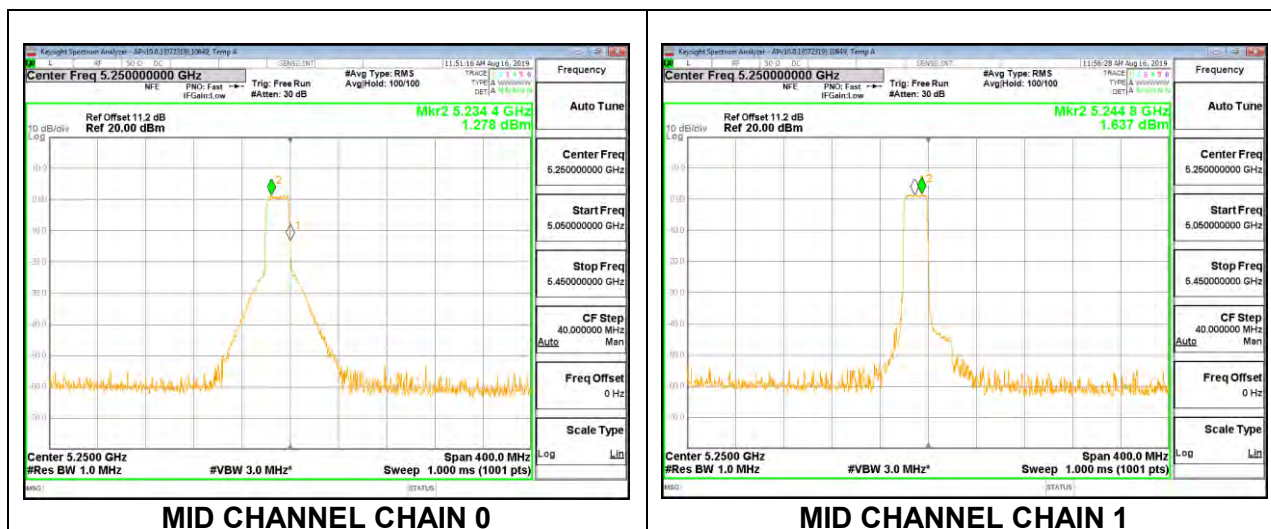
PSD Results

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)
Mid / RU61	5250	1.426	1.477	4.46	5.25	-0.79
Mid / RU64	5250	1.278	1.637	4.47	5.25	-0.78

RU Index 61



RU Index 64



2TX Chain 0 + Chain 1 OFDMA MODE (FCC) – 242-Tones, RU Index S64

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Mid	5250	23.60	6.16	6.16	23.84	10.84

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

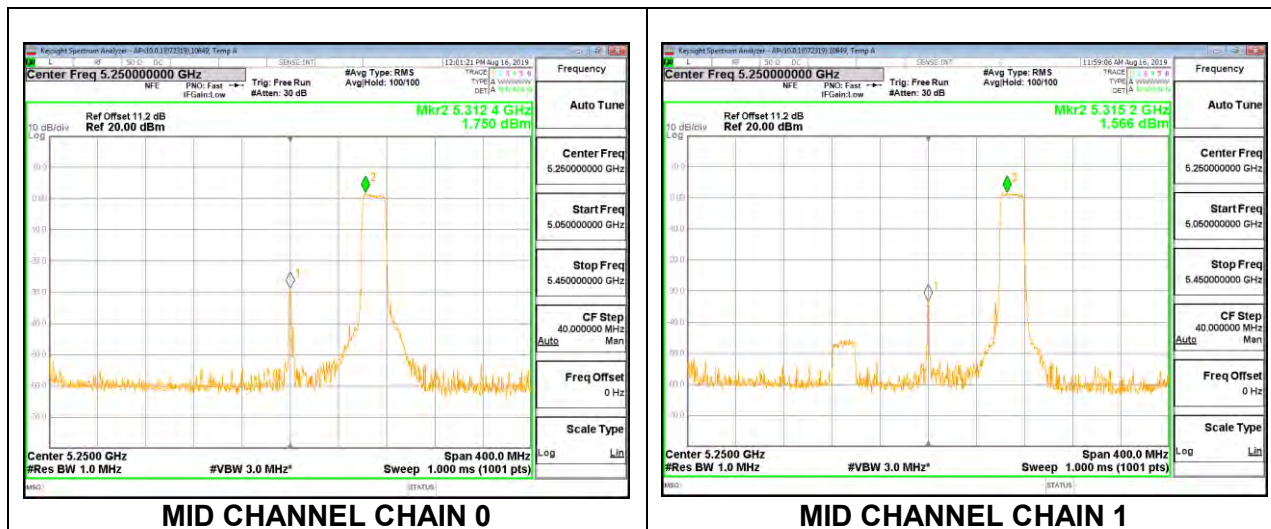
Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5250	13.96	14.10	17.04	23.84	-6.80

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)
Mid	5250	1.750	1.566	4.67	10.84	-6.17

NOTE: FCC PSD limit is the worst-case limit. Therefore, FCC limit is use to cover IC limit.

MID CHANNEL



2TX Chain 0 + Chain 1 OFDMA MODE (FCC+IC) – 106-Tones

Bandwidth and Antenna Gain

Channel / RU Index	Frequency (MHz)	Min 99% BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)
Mid / RU53	5250	17.9002	4.75	4.75
Mid / RU60	5250	17.9890	4.75	4.75

Limits

Channel / RU Index	Frequency (MHz)	FCC Power Limit (dBm)	ISED EIRP Limit (dBm)	Max ISED Power (dBm)	Power Limit (dBm)	FCC PSD Limit (dBm/1MHz)	ISED eirp PSD Limit (dBm/1MHz)	PSD Limit (dBm/1MHz)
Mid / RU53	5250	24.00	22.53	17.78	17.78	11.00	10.00	5.25
Mid / RU60	5250	24.00	22.55	17.80	17.80	11.00	10.00	5.25

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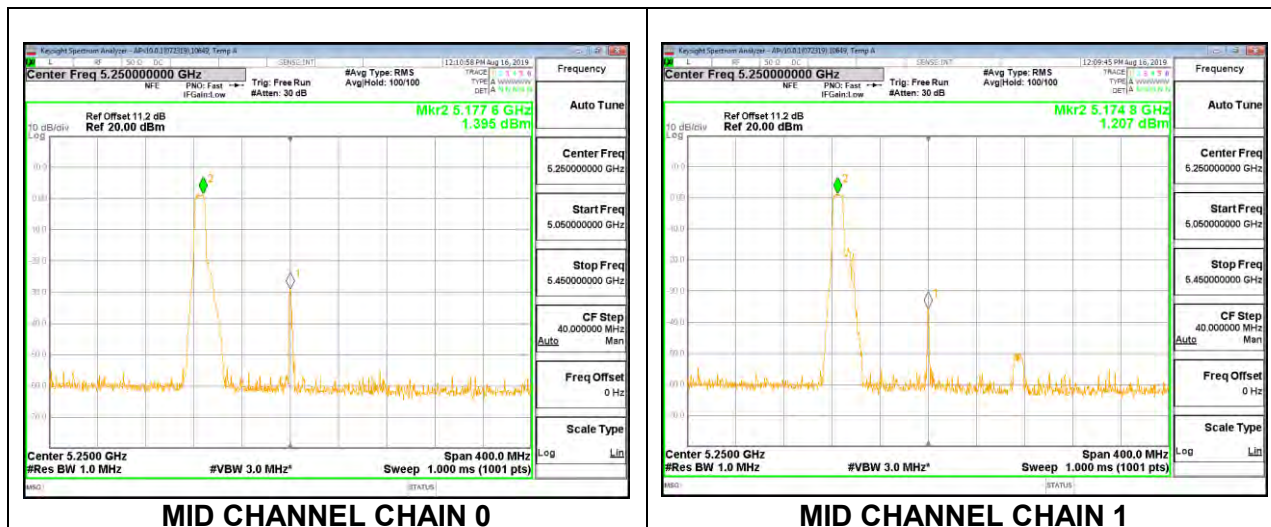
Output Power Results

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)
Mid / RU53	5250	10.83	10.63	13.74	17.78	-4.04
Mid / RU60	5250	10.57	10.78	13.69	17.80	-4.11

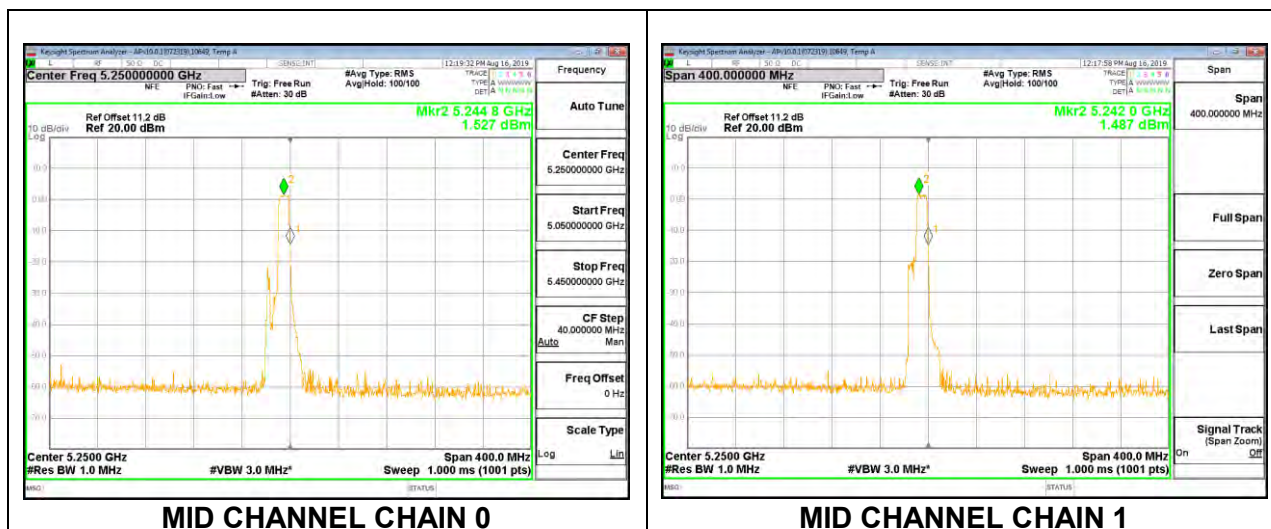
PSD Results

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 Margin (dB)
Mid / RU53	5250	1.395	1.207	4.31	5.25	-0.94
Mid / RU60	5250	1.527	1.487	4.52	5.25	-0.73

RU Index 53



RU Index 60



2TX Chain 0 + Chain 1 OFDMA MODE (FCC) – 106-Tones, RU Index S60

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Mid	5250	23.20	6.16	6.16	23.84	10.84

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

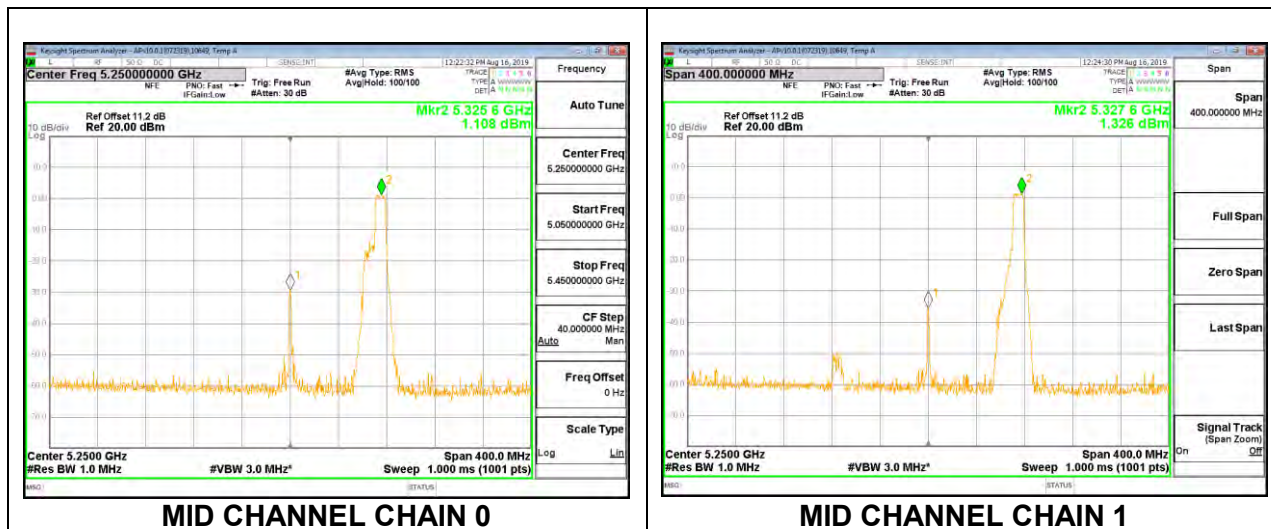
Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5250	10.59	10.86	13.74	23.84	-10.10

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)
Mid	5250	1.108	1.326	4.23	10.84	-6.61

NOTE: FCC PSD limit is the worst-case limit. Therefore, FCC limit is use to cover IC limit.

MID CHANNEL



2TX Chain 0 + Chain 1 OFDMA MODE (FCC+IC) – 52-Tones

Bandwidth and Antenna Gain

Channel / RU Index	Frequency (MHz)	Min 99% BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)
Mid / RU37	5250	18.0200	4.75	4.75
Mid / RU52	5250	17.8383	4.75	4.75

Limits

Channel / RU Index	Frequency (MHz)	FCC Power Limit (dBm)	ISED EIRP Limit (dBm)	Max ISED Power (dBm)	Power Limit (dBm)	FCC PSD Limit (dBm/ 1MHz)	ISED eirp PSD Limit (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)
Mid / RU37	5250	24.00	22.56	17.81	17.81	11.00	10.00	5.25
Mid / RU52	5250	24.00	22.51	17.76	17.76	11.00	10.00	5.25

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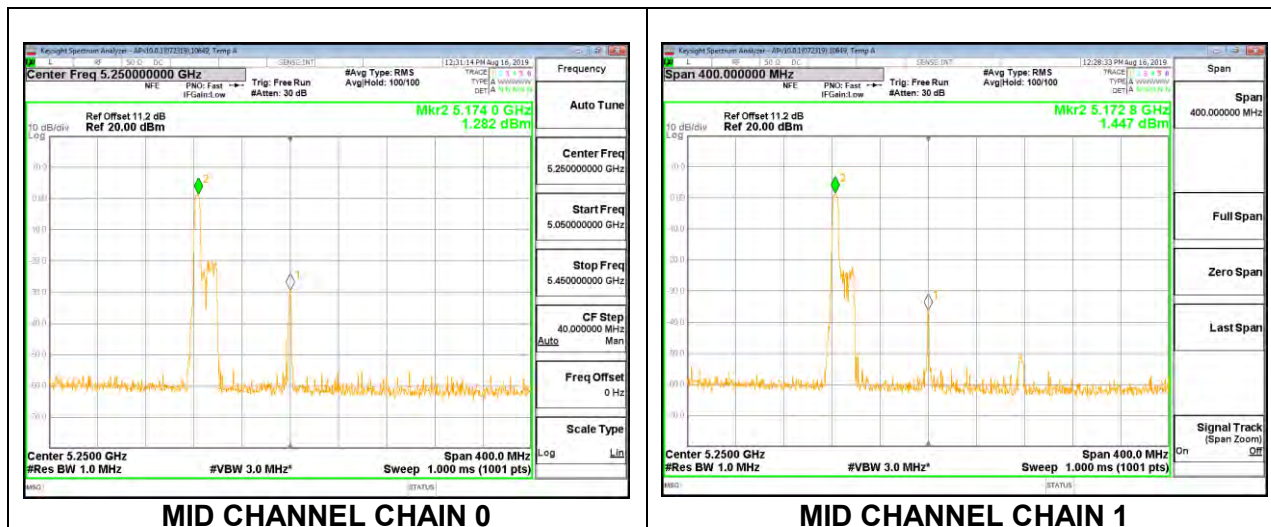
Output Power Results

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)
Mid / RU37	5250	7.80	7.43	10.63	17.81	-7.18
Mid / RU52	5250	7.45	7.19	10.33	17.76	-7.43

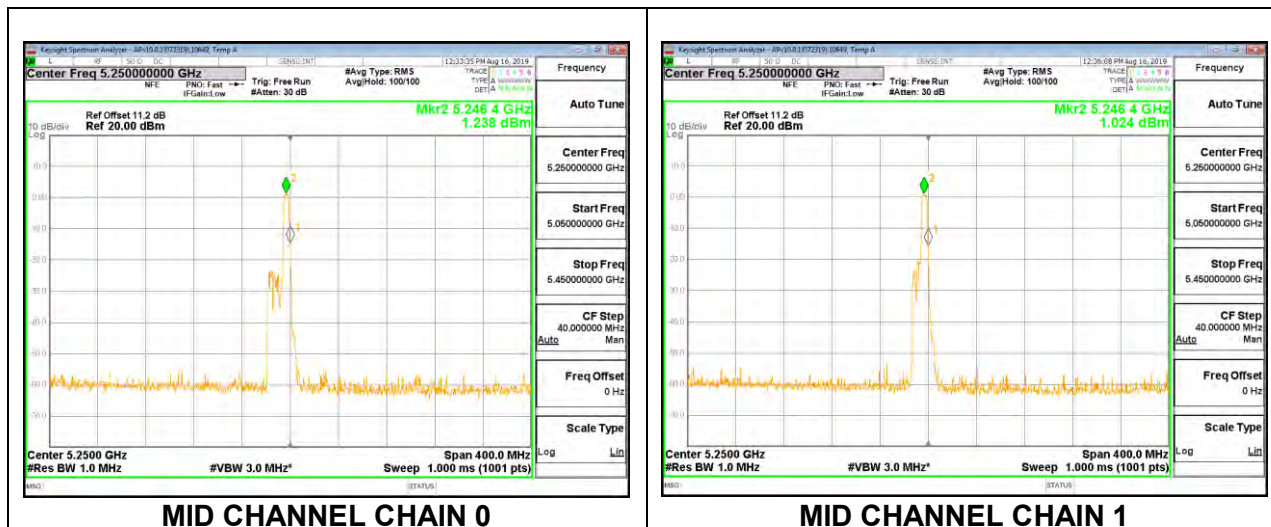
PSD Results

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)
Mid / RU37	5250	1.282	1.447	4.38	5.25	-0.87
Mid / RU52	5250	1.238	1.024	4.14	5.25	-1.11

RU Index 37



RU Index 52



2TX Chain 0 + Chain 1 OFDMA MODE (FCC) – 52-Tones, RU Index S52

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Mid	5250	22.40	6.16	6.16	23.84	10.84

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

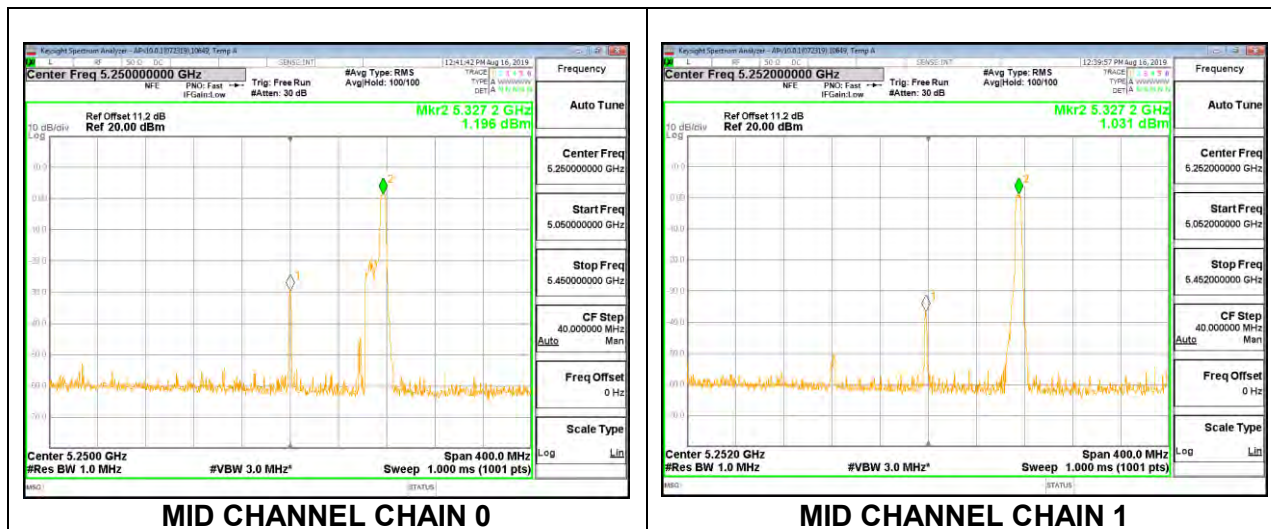
Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5250	7.63	7.67	10.66	23.84	-13.18

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)
Mid	5250	1.196	1.031	4.12	10.84	-6.72

NOTE: FCC PSD limit is the worst-case limit. Therefore, FCC limit is use to cover IC limit.

MID CHANNEL



2TX Chain 0 + Chain 1 OFDMA MODE (FCC+IC) – 26-Tones

Bandwidth and Antenna Gain

Channel / RU Index	Frequency (MHz)	Min 99% BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)
Mid / RU0	5250	18.6611	4.75	4.75
Mid / RU36	5250	18.4315	4.75	4.75

Limits

Channel / RU Index	Frequency (MHz)	FCC Power Limit (dBm)	ISED EIRP Limit (dBm)	Max ISED Power (dBm)	Power Limit (dBm)	FCC PSD Limit (dBm/1MHz)	ISED eirp PSD Limit (dBm/1MHz)	PSD Limit (dBm/1MHz)
Mid / RU0	5250	24.00	22.71	17.96	17.96	11.00	10.00	5.25
Mid / RU36	5250	24.00	22.66	17.91	17.91	11.00	10.00	5.25

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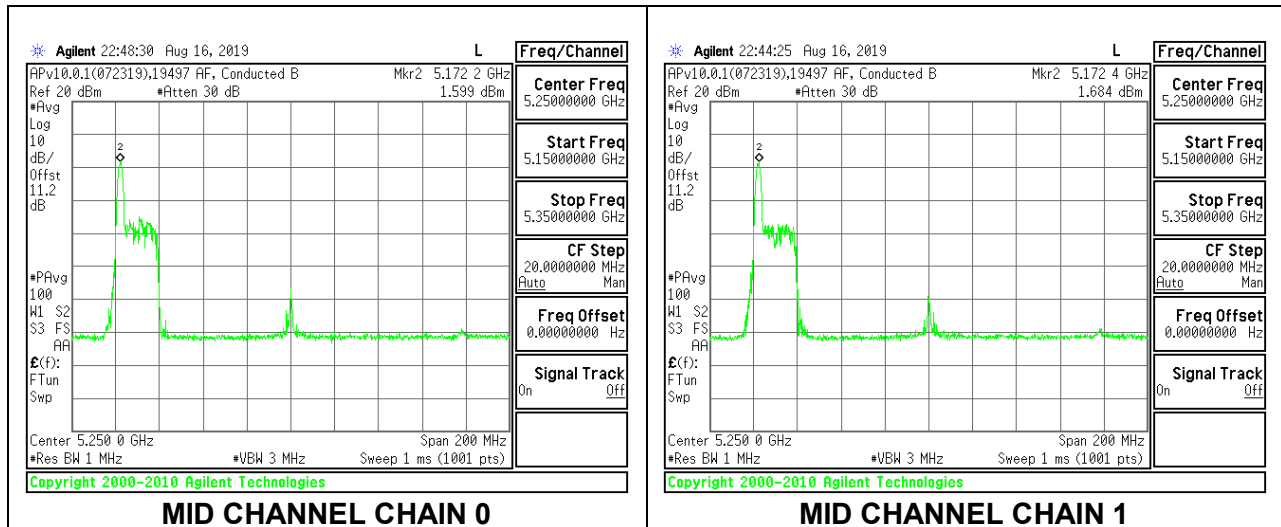
Output Power Results

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)
Mid / RU0	5250	5.33	5.08	8.22	17.96	-9.74
Mid / RU36	5250	5.08	4.82	7.96	17.91	-9.94

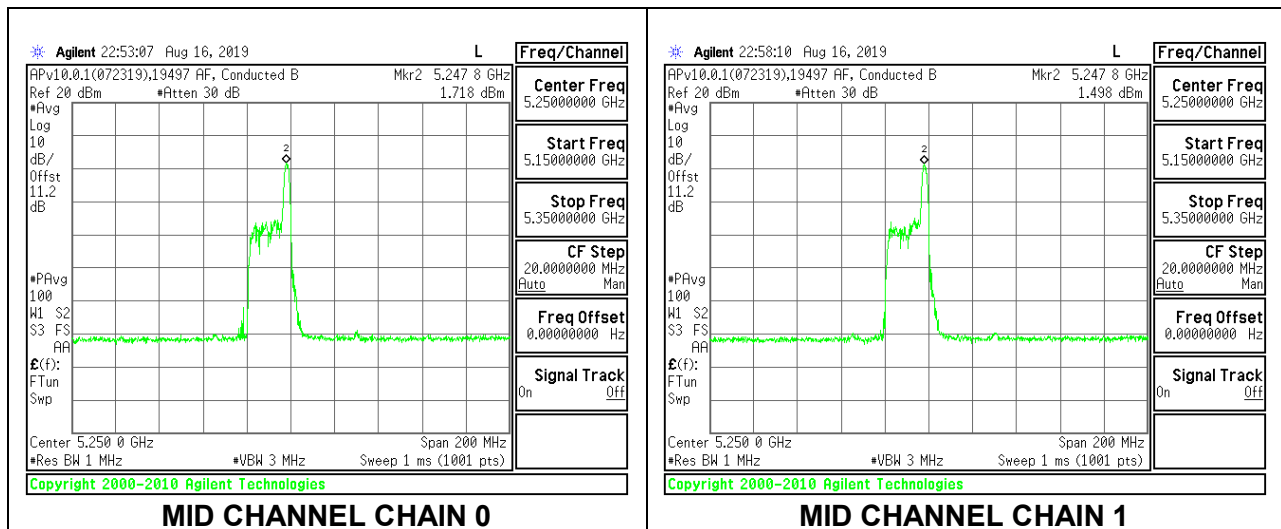
PSD Results

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)
Mid / RU0	5250	1.599	1.684	4.65	5.25	-0.60
Mid / RU36	5250	1.718	1.498	4.62	5.25	-0.63

RU Index 0



RU Index 36



2TX Chain 0 + Chain 1 OFDMA MODE (FCC) – 26-Tones, RU Index S36

Bandwidth, Antenna Gain, and Limits

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/1MHz)
Mid	5250	21.60	6.16	6.16	23.84	10.84

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

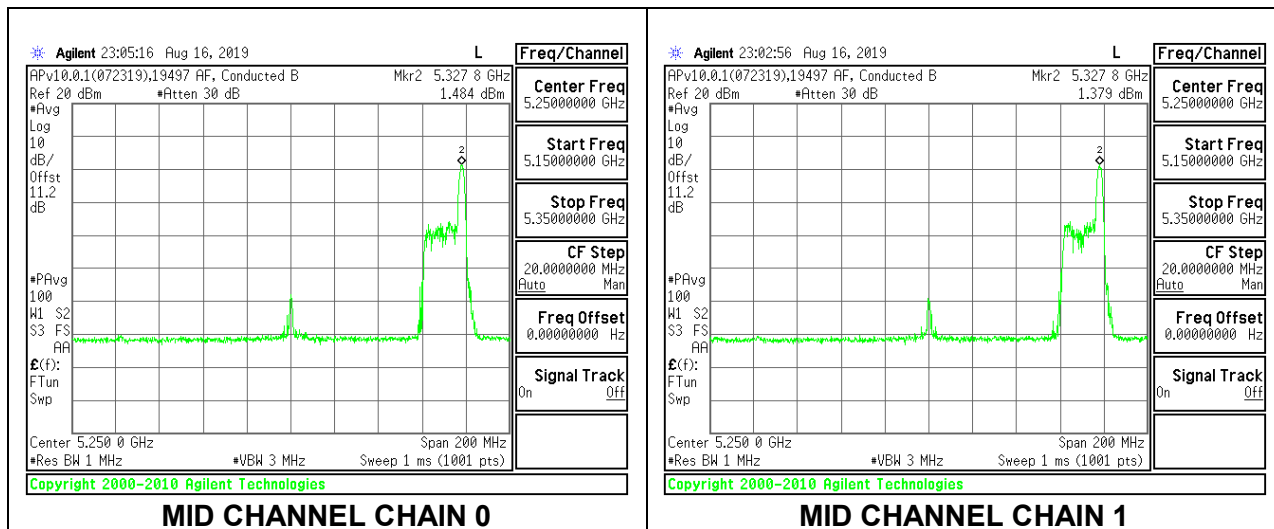
Channel	Frequency (MHz)	Chain 0 Meas Power (dBm)	Chain 1 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5250	5.21	5.04	8.14	23.84	-15.70

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)
Mid	5250	1.484	1.379	4.44	10.84	-6.40

NOTE: FCC PSD limit is the worst-case limit. Therefore, FCC limit is use to cover IC limit.

MID CHANNEL



9. RADIATED TEST RESULTS FOR 11ax 5.2 & 5.3 GHz Band

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.

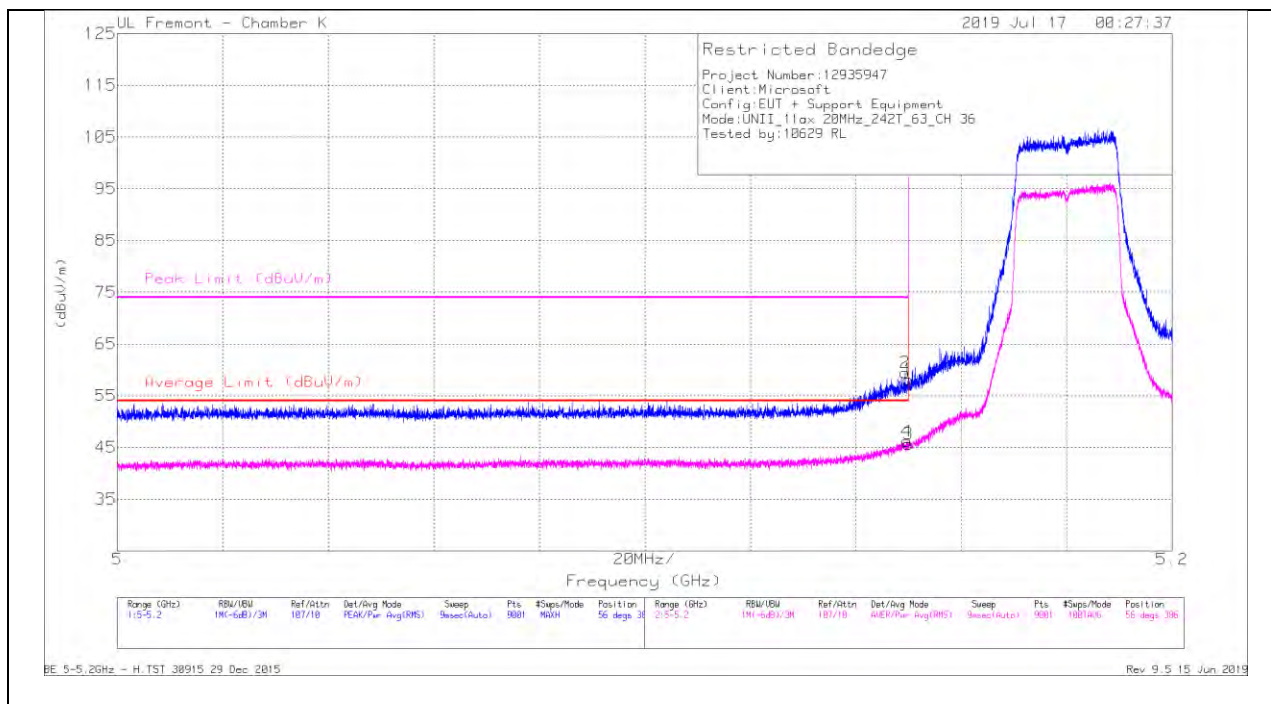
9.1. TRANSMITTER ABOVE 1 GHz

9.1.1. TX ABOVE 1 GHz 802.11ax HE20 MODE IN THE 5.2 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 (dB/m)	Amp/Cbl/Ftr/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	* 5.15	44.02	Pk	34.2	-20.1	0	59.12	-	-	74	-15.88	56	386	H
2	* 5.14935	45.33	Pk	34.2	-20.1	0	59.43	-	-	74	-14.57	56	386	H
3	* 5.15	30.74	RMS	34.2	-20.1	0	44.84	54	-9.16	-	-	56	386	H
4	* 5.14967	31.25	RMS	34.2	-20.1	0	45.35	54	-8.65	-	-	56	386	H

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

Pk - Peak detector

RMS - RMS detection