

2TX Antenna A + Antenna B SDM OFDMA MODE: 26-Tones, RU Index 36

Test Engineer:	84740/40882
Test Date:	2021-05-03 – 2021-05-07

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	20.6000	3.2443	6.66	6.66
High	5610	20.4000	3.0988	6.66	6.66
138	5690	13.4000	2.1562	6.66	6.66

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)
Low	5530	23.34	16.11	22.11	15.45	10.34	11.00
High	5610	23.34	15.91	21.91	15.25	10.34	11.00
138	5690	21.61	14.34	20.34	13.68	10.34	11.00

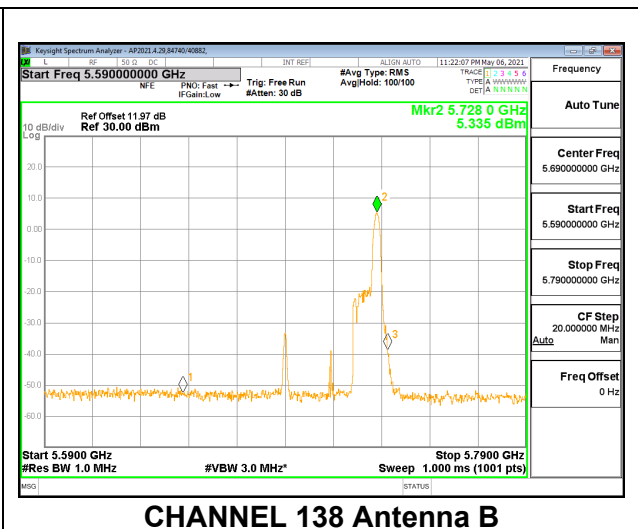
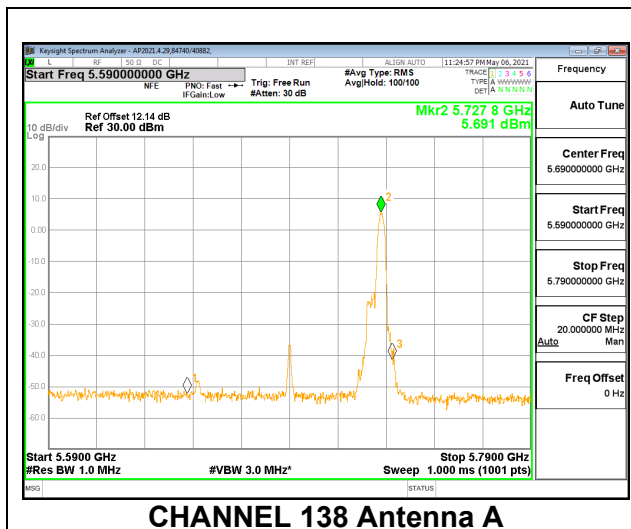
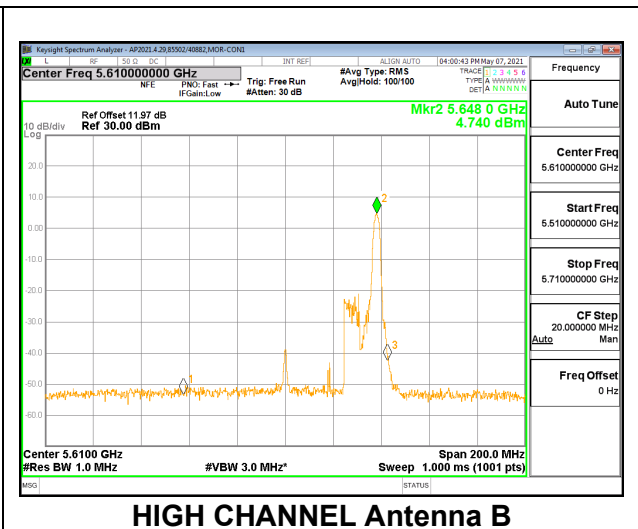
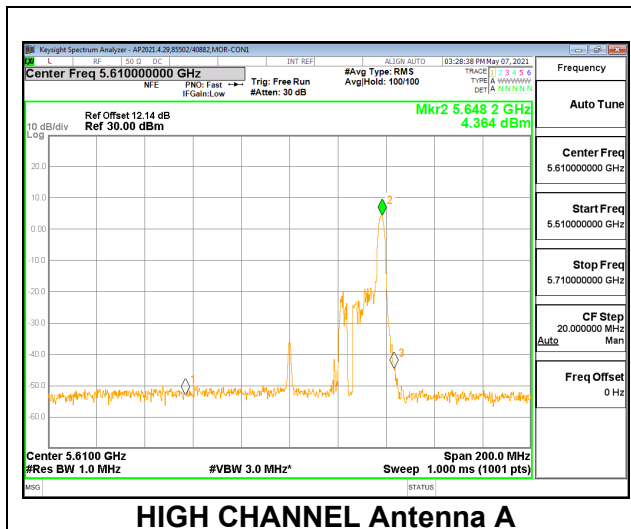
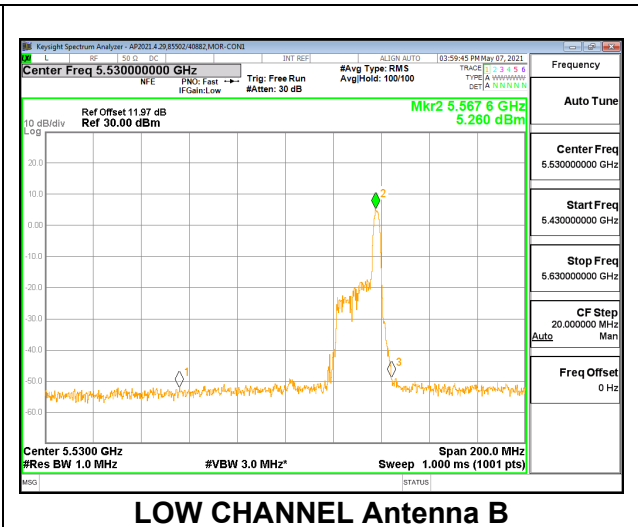
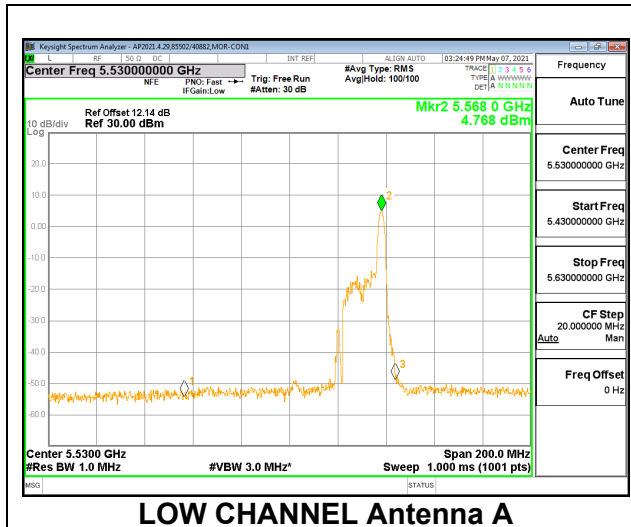
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd Power & PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna A Meas Power (dBm)	Antenna B Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5530	9.46	9.36	12.42	15.45	-3.03
High	5610	9.18	8.95	12.08	15.25	-3.18
138	5690	9.40	8.94	12.19	13.68	-1.49

PSD Results

Channel	Frequency (MHz)	Antenna A Meas PSD (dBm/ 1MHz)	Antenna B Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5530	4.768	5.260	8.031	10.34	-2.31
High	5610	4.364	4.740	7.566	10.34	-2.77
138	5690	5.691	5.335	8.527	10.34	-1.81



9.4.6. 802.11ax HE80 MODE 1TX IN THE 5.6GHz BAND (FCC+IC)

1TX Antenna A OFDMA MODE: SU, Single User

Test Engineer:	84740/40882
Test Date:	2021-05-03 – 2021-05-08

Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Min 99% BW (MHz)	Directional Gain (dBi)
Low	5530	87.4000	76.2120	6.40
High	5610	86.2000	76.6720	6.40
138	5690	77.8000	73.2040	6.40

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	23.60	24.00	30.00	23.60	10.60	11.00	10.60
High	5610	23.60	24.00	30.00	23.60	10.60	11.00	10.60
138	5690	23.60	24.00	30.00	23.60	10.60	11.00	10.60

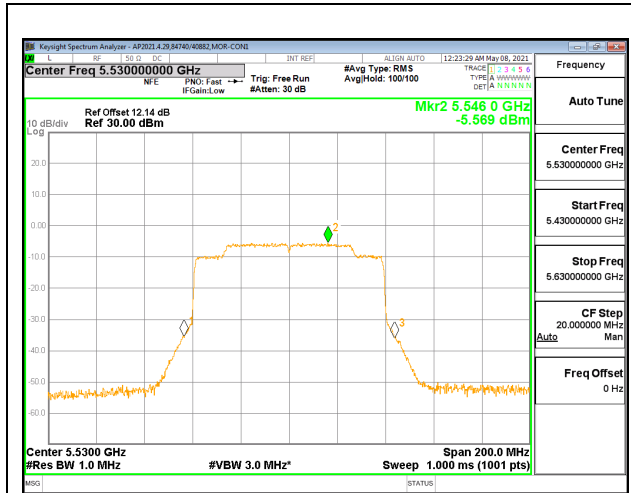
Duty Cycle CF (dB)	0.12	Included in Calculations of Corr'd Power & PSD
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Output Power Results

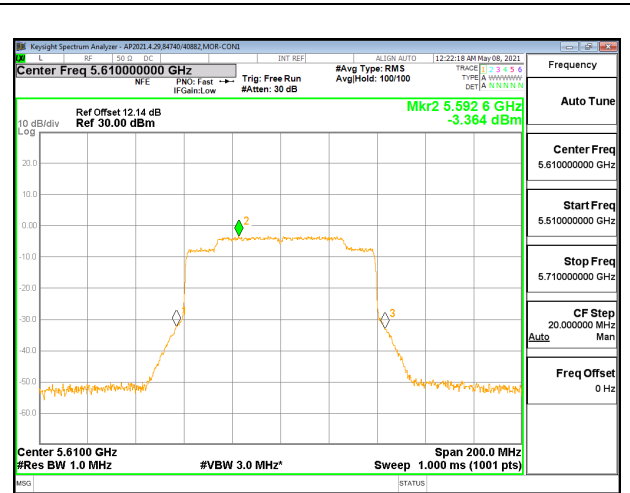
Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5530	13.140	13.14	23.60	-10.46
High	5610	15.320	15.32	23.60	-8.28
138	5690	15.290	15.41	23.60	-8.19

PSD Results

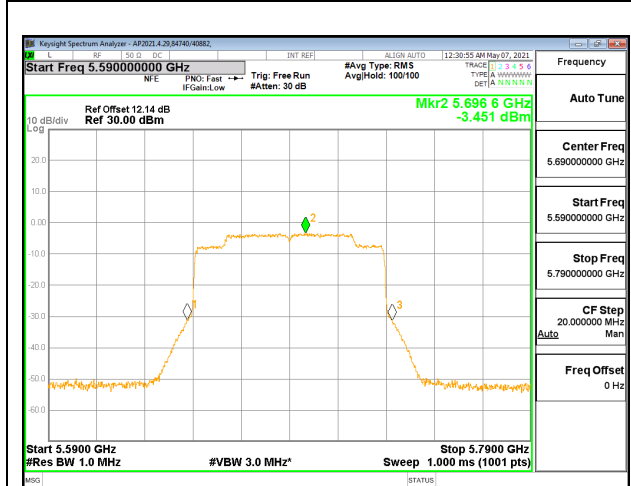
Channel	Frequency (MHz)	Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5530	-5.569	-5.449	10.60	-16.05
High	5610	-3.364	-3.244	10.60	-13.84
138	5690	-3.451	-3.331	10.60	-13.93



LOW CHANNEL



HIGH CHANNEL



CHANNEL 138

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1TX Antenna A OFDMA MODE: 484-Tones, RU Index 65

Test Engineer:	84740/40882
Test Date:	2021-05-03 – 2021-05-08

Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Min 99% BW (MHz)	Directional Gain (dBi)
Low	5530	44.4000	37.0230	6.40
High	5610	42.4000	37.3040	6.40
138	5690	43.4000	37.2430	6.40

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	23.60	24.00	30.00	23.60	10.60	11.00	10.60
High	5610	23.60	24.00	30.00	23.60	10.60	11.00	10.60
138	5690	23.60	24.00	30.00	23.60	10.60	11.00	10.60

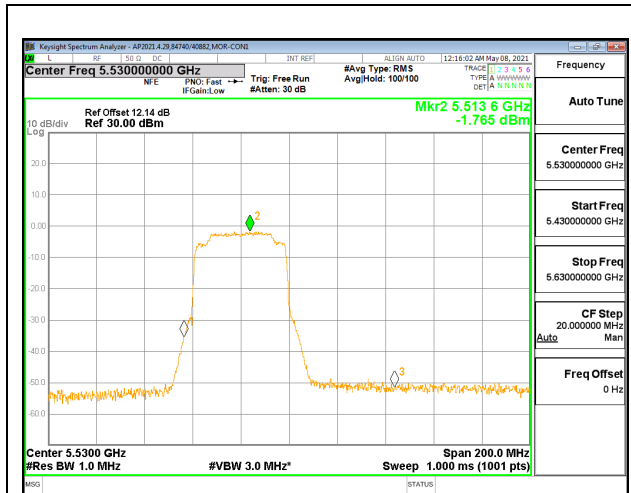
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd Power & PSD
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Output Power Results

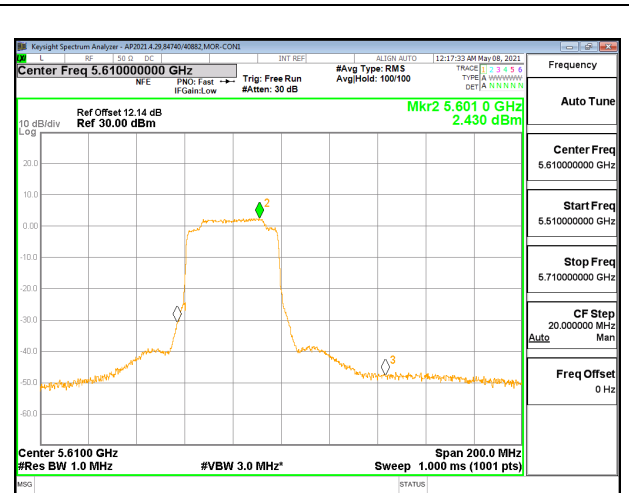
Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5530	13.930	13.93	23.60	-9.67
High	5610	18.160	18.16	23.60	-5.44
138	5690	15.100	15.10	23.60	-8.50

PSD Results

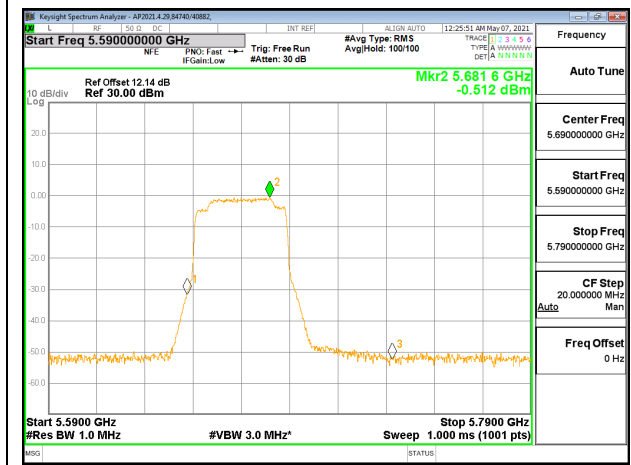
Channel	Frequency (MHz)	Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5530	-1.765	-1.765	10.60	-12.37
High	5610	2.430	2.430	10.60	-8.17
138	5690	-0.512	-0.512	10.60	-11.11



LOW CHANNEL



HIGH CHANNEL



CHANNEL 138

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1TX Antenna A OFDMA MODE: 484-Tones, RU Index 66

Test Engineer:	84740/40882
Test Date:	2021-05-03 – 2021-05-08

Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Min 99% BW (MHz)	Directional Gain (dBi)
Low	5530	43.8000	37.4300	6.40
High	5610	42.6000	37.2310	6.40
138	5690	36.4000	33.7120	6.40

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	23.60	24.00	30.00	23.60	10.60	11.00	10.60
High	5610	23.60	24.00	30.00	23.60	10.60	11.00	10.60
138	5690	23.60	24.00	30.00	23.60	10.60	11.00	10.60

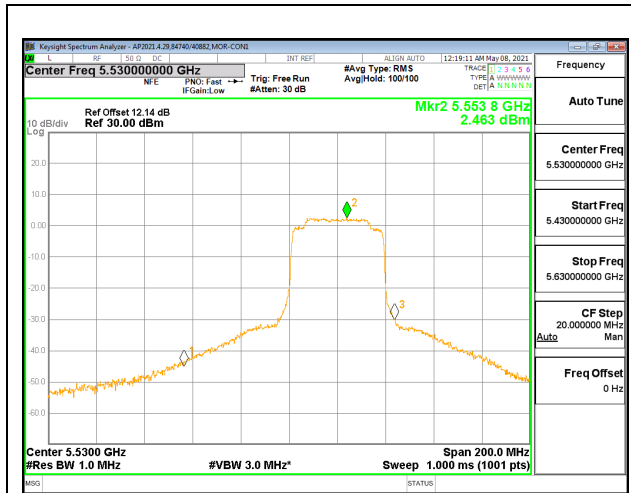
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd Power & PSD
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Output Power Results

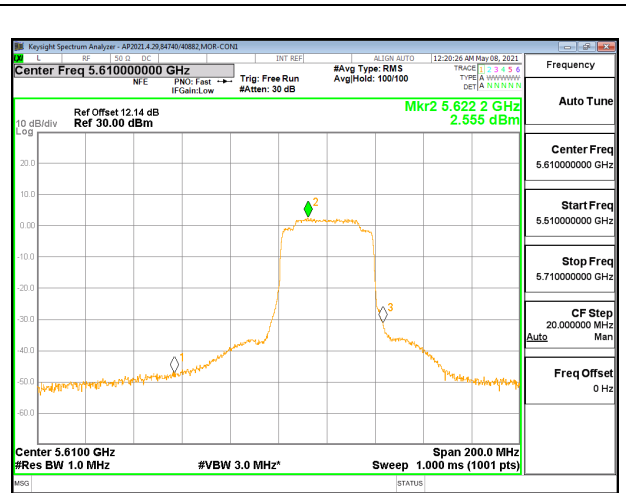
Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5530	18.150	18.15	23.60	-5.45
High	5610	17.890	17.89	23.60	-5.71
138	5690	18.090	18.09	23.60	-5.51

PSD Results

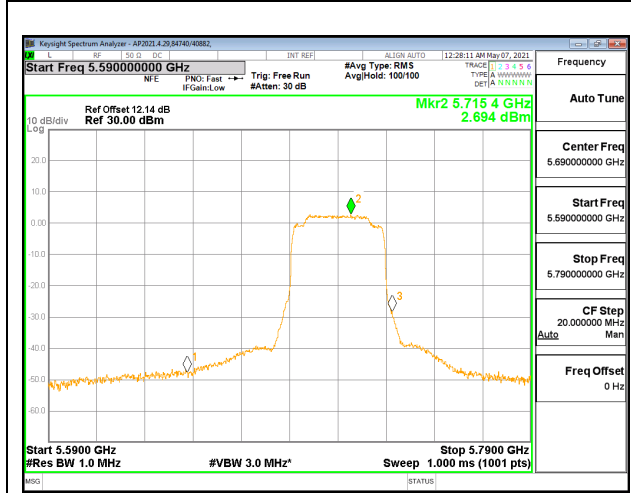
Channel	Frequency (MHz)	Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5530	2.463	2.463	10.60	-8.14
High	5610	2.555	2.555	10.60	-8.05
138	5690	2.694	2.694	10.60	-7.91



LOW CHANNEL



HIGH CHANNEL



CHANNEL 138

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1TX Antenna A OFDMA MODE: 242-Tones, RU Index 61

Test Engineer:	84740/40882
Test Date:	2021-05-03 – 2021-05-08

Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Min 99% BW (MHz)	Directional Gain (dBi)
Low	5530	24.0000	18.9210	6.40
High	5610	23.8000	18.7260	6.40
138	5690	24.0000	18.6670	6.40

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	23.60	23.77	29.77	23.37	10.60	11.00	10.60
High	5610	23.60	23.72	29.72	23.32	10.60	11.00	10.60
138	5690	23.60	23.71	29.71	23.31	10.60	11.00	10.60

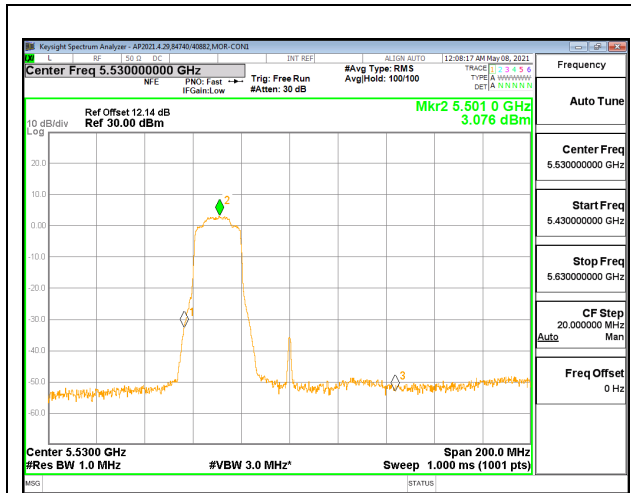
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

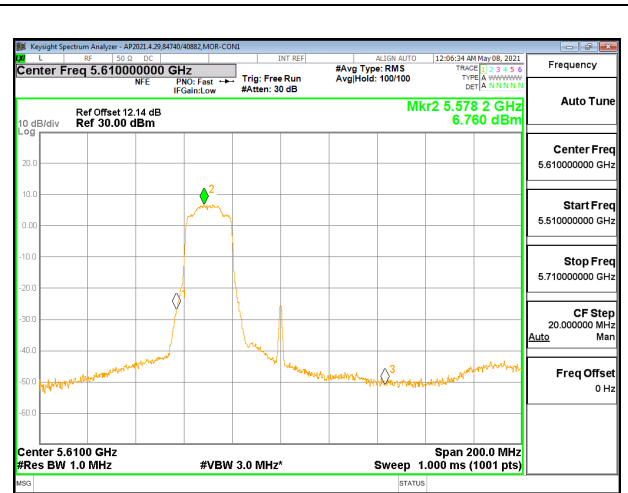
Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5530	15.870	15.87	23.37	-7.50
High	5610	19.090	19.09	23.32	-4.23
138	5690	18.980	18.98	23.31	-4.33

PSD Results

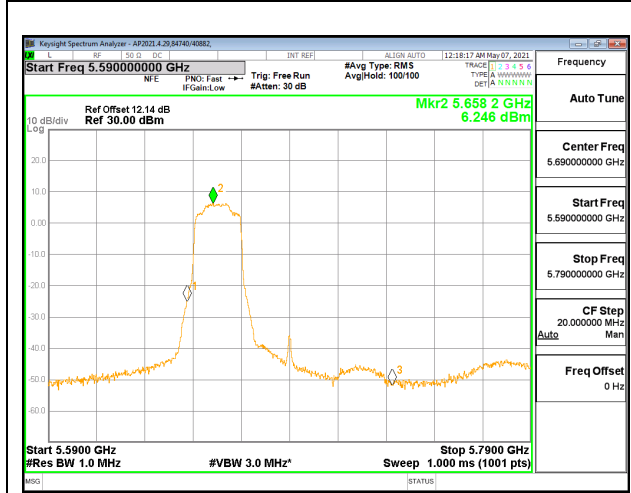
Channel	Frequency (MHz)	Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5530	3.076	3.076	10.60	-7.52
High	5610	6.760	6.760	10.60	-3.84
138	5690	6.246	6.246	10.60	-4.35



LOW CHANNEL



HIGH CHANNEL



CHANNEL 138

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1TX Antenna A OFDMA MODE: 242-Tones, RU Index 62

Test Engineer:	84740/40882
Test Date:	2021-05-03 – 2021-05-08

Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Min 99% BW (MHz)	Directional Gain (dBi)
Low	5530	41.0000	22.2450	6.40
High	5610	41.4000	22.7790	6.40
138	5690	41.8000	20.7950	6.40

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	23.60	24.00	30.00	23.60	10.60	11.00	10.60
High	5610	23.60	24.00	30.00	23.60	10.60	11.00	10.60
138	5690	23.60	24.00	30.00	23.60	10.60	11.00	10.60

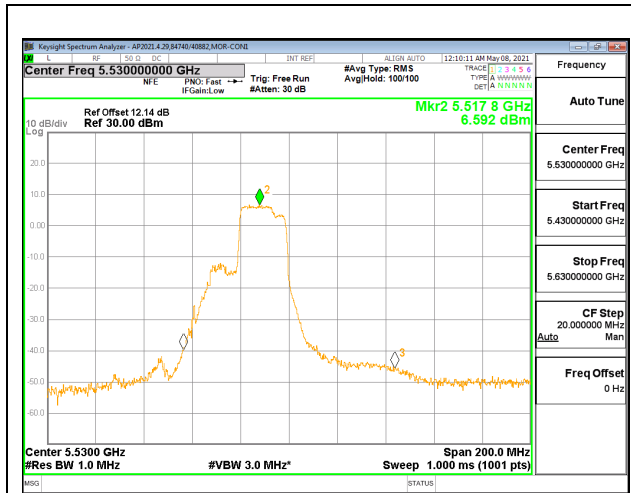
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd Power & PSD
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Output Power Results

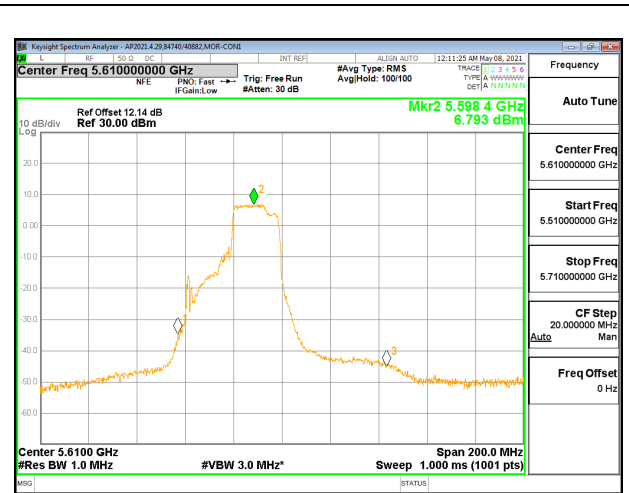
Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5530	19.120	19.12	23.60	-4.48
High	5610	19.990	19.99	23.60	-3.61
138	5690	19.710	19.71	23.60	-3.89

PSD Results

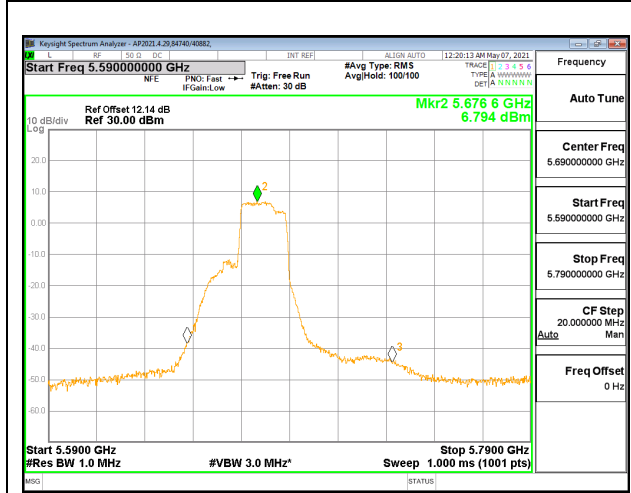
Channel	Frequency (MHz)	Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5530	6.592	6.592	10.60	-4.01
High	5610	6.793	6.793	10.60	-3.81
138	5690	6.794	6.794	10.60	-3.81



LOW CHANNEL



HIGH CHANNEL



CHANNEL 138

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1TX Antenna A OFDMA MODE: 242-Tones, RU Index 64

Test Engineer:	84740/40882
Test Date:	2021-05-03 – 2021-05-08

Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Min 99% BW (MHz)	Directional Gain (dBi)
Low	5530	24.2000	18.7290	6.40
High	5610	24.6000	18.9280	6.40
138	5690	17.2000	14.3665	6.40

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	23.60	23.73	29.73	23.33	10.60	11.00	10.60
High	5610	23.60	23.77	29.77	23.37	10.60	11.00	10.60
138	5690	22.96	22.57	28.57	22.17	10.60	11.00	10.60

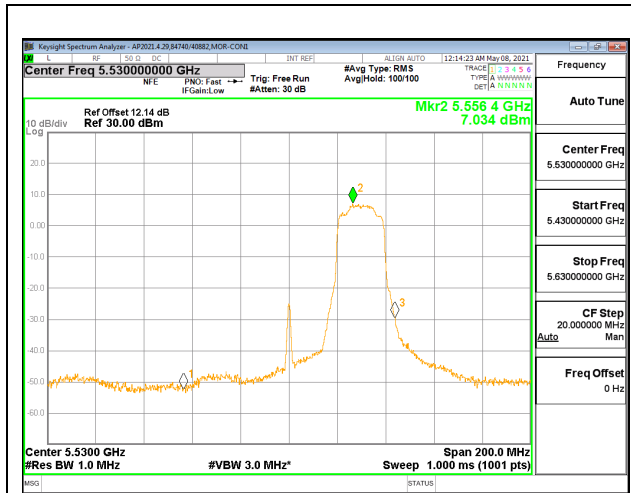
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd Power & PSD
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Output Power Results

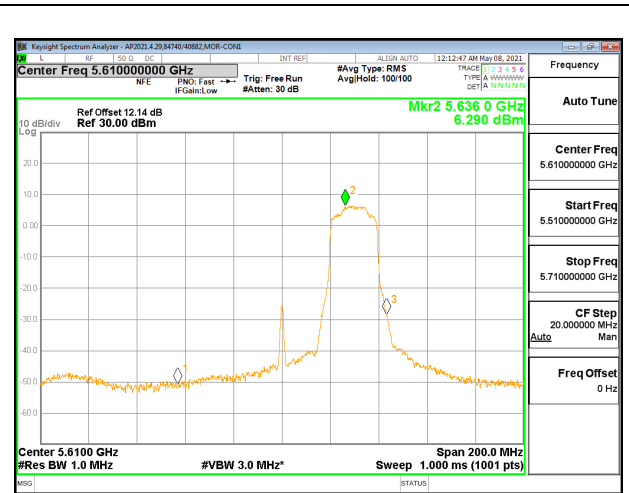
Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5530	18.630	18.63	23.33	-4.70
High	5610	18.860	18.86	23.37	-4.51
138	5690	19.010	19.01	22.17	-3.16

PSD Results

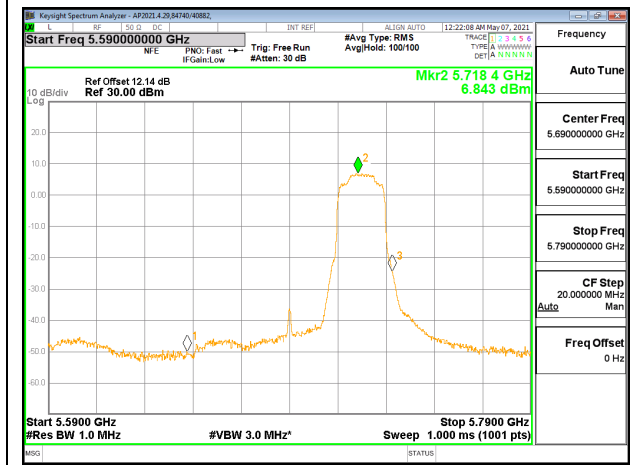
Channel	Frequency (MHz)	Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5530	7.034	7.034	10.60	-3.57
High	5610	6.290	6.290	10.60	-4.31
138	5690	6.843	6.843	10.60	-3.76



LOW CHANNEL



HIGH CHANNEL



CHANNEL 138

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1TX Antenna A OFDMA MODE: 106-Tones, RU Index 53

Test Engineer:	84740/40882
Test Date:	2021-05-03 – 2021-05-07

Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Min 99% BW (MHz)	Directional Gain (dBi)
Low	5530	22.8000	8.5481	6.40
High	5610	22.4000	8.4445	6.40
138	5690	22.6000	8.1134	6.40

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	23.60	20.32	26.32	19.92	10.60	11.00	10.60
High	5610	23.60	20.27	26.27	19.87	10.60	11.00	10.60
138	5690	23.60	20.09	26.09	19.69	10.60	11.00	10.60

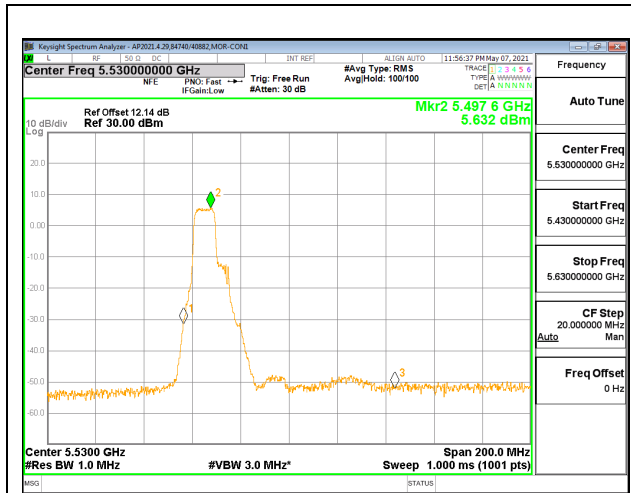
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd Power & PSD
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Output Power Results

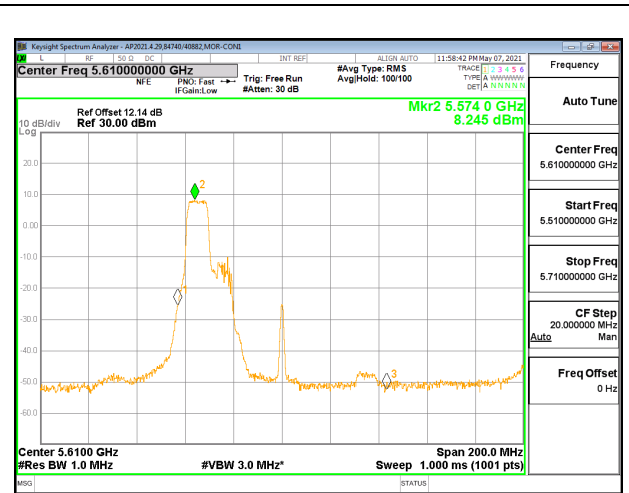
Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5530	16.060	16.06	19.92	-3.86
High	5610	18.210	18.21	19.87	-1.66
138	5690	18.030	18.03	19.69	-1.66

PSD Results

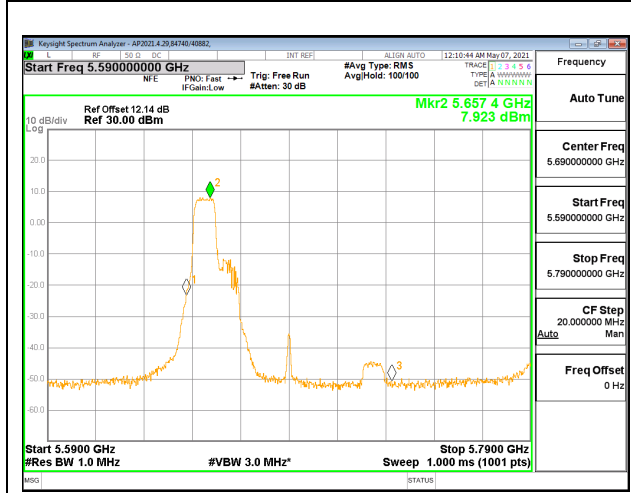
Channel	Frequency (MHz)	Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5530	5.632	5.632	10.60	-4.97
High	5610	8.245	8.245	10.60	-2.36
138	5690	7.923	7.923	10.60	-2.68



LOW CHANNEL



HIGH CHANNEL



CHANNEL 138

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1TX Antenna A OFDMA MODE: 106-Tones, RU Index 56

Test Engineer:	84740/40882
Test Date:	2021-05-03 – 2021-05-08

Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Min 99% BW (MHz)	Directional Gain (dBi)
Low	5530	22.6000	8.5367	6.40
High	5610	23.4000	8.5953	6.40
138	5690	21.4000	8.4458	6.40

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	23.60	20.31	26.31	19.91	10.60	11.00	10.60
High	5610	23.60	20.34	26.34	19.94	10.60	11.00	10.60
138	5690	23.60	20.27	26.27	19.87	10.60	11.00	10.60

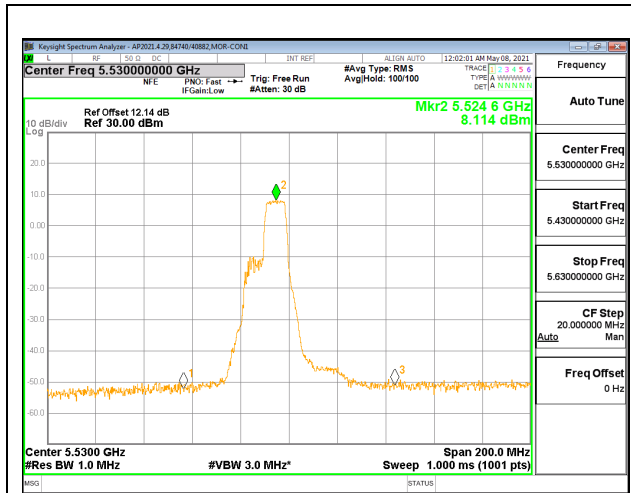
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd Power & PSD
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Output Power Results

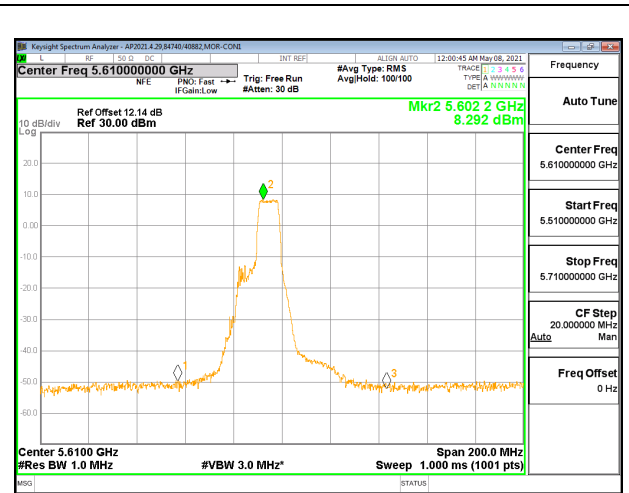
Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5530	18.010	18.01	19.91	-1.90
High	5610	18.470	18.47	19.94	-1.47
138	5690	18.250	18.25	19.87	-1.62

PSD Results

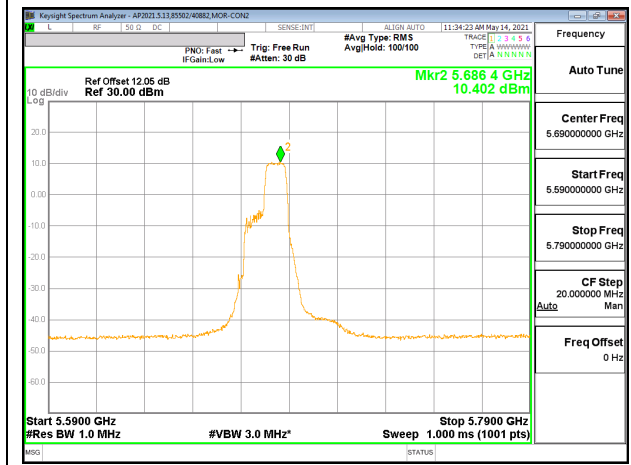
Channel	Frequency (MHz)	Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5530	8.114	8.114	10.60	-2.49
High	5610	8.292	8.292	10.60	-2.31
138	5690	10.402	10.402	10.60	-0.20



LOW CHANNEL



HIGH CHANNEL



CHANNEL 138

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1TX Antenna A OFDMA MODE: 106-Tones, RU Index 60

Test Engineer:	84740/40882
Test Date:	2021-05-03 – 2021-05-08

Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Min 99% BW (MHz)	Directional Gain (dBi)
Low	5530	22.8000	8.4400	6.40
High	5610	22.6000	8.3444	6.40
138	5690	16.2000	6.1390	6.40

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	23.60	20.26	26.26	19.86	10.60	11.00	10.60
High	5610	23.60	20.21	26.21	19.81	10.60	11.00	10.60
138	5690	22.70	18.88	24.88	18.48	10.60	11.00	10.60

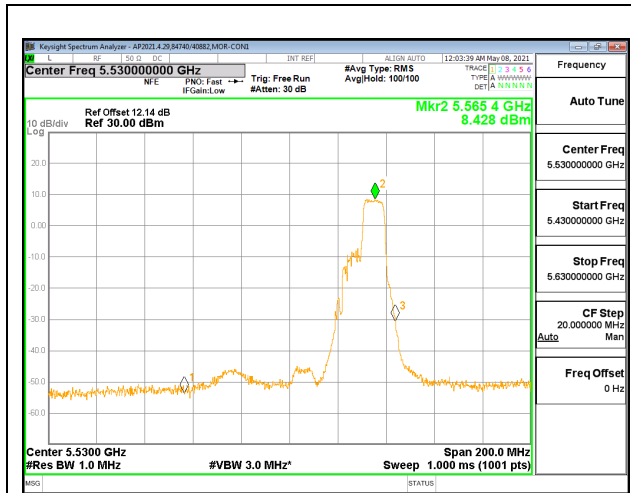
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd Power & PSD
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Output Power Results

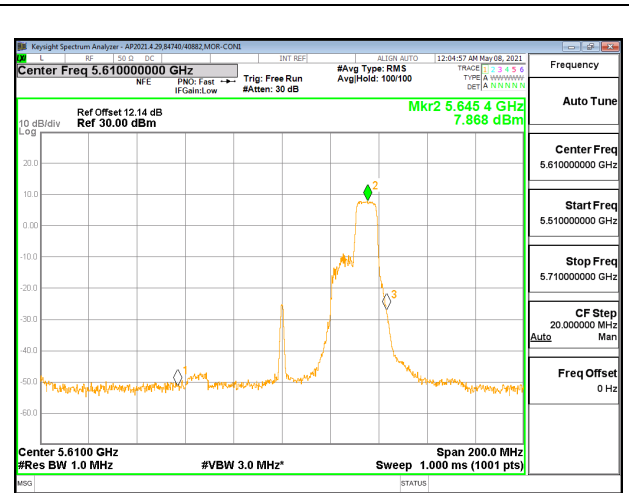
Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5530	18.270	18.27	19.86	-1.59
High	5610	17.990	17.99	19.81	-1.82
138	5690	18.050	18.05	18.48	-0.43

PSD Results

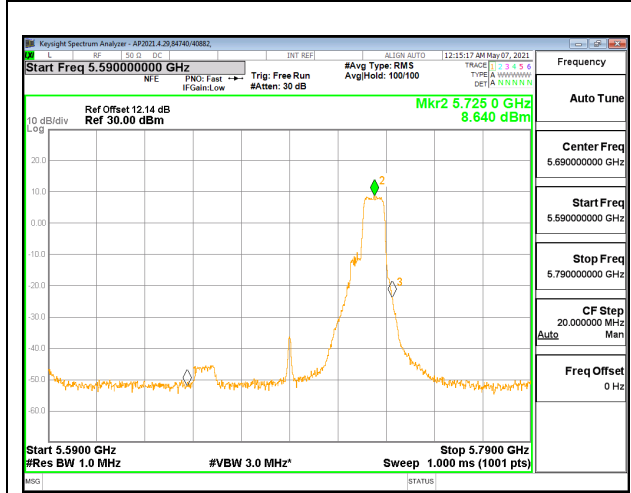
Channel	Frequency (MHz)	Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5530	8.428	8.428	10.60	-2.17
High	5610	7.868	7.868	10.60	-2.73
138	5690	8.640	8.640	10.60	-1.96



LOW CHANNEL



HIGH CHANNEL



CHANNEL 138

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1TX Antenna A OFDMA MODE: 52-Tones, RU Index 37

Test Engineer:	84740/40882
Test Date:	2021-05-03 – 2021-05-07

Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Min 99% BW (MHz)	Directional Gain (dBi)
Low	5530	21.8000	5.1754	6.40
High	5610	21.8000	5.3016	6.40
138	5690	22.0000	5.0946	6.40

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	23.60	18.14	24.14	17.74	10.60	11.00	10.60
High	5610	23.60	18.24	24.24	17.84	10.60	11.00	10.60
138	5690	23.60	18.07	24.07	17.67	10.60	11.00	10.60

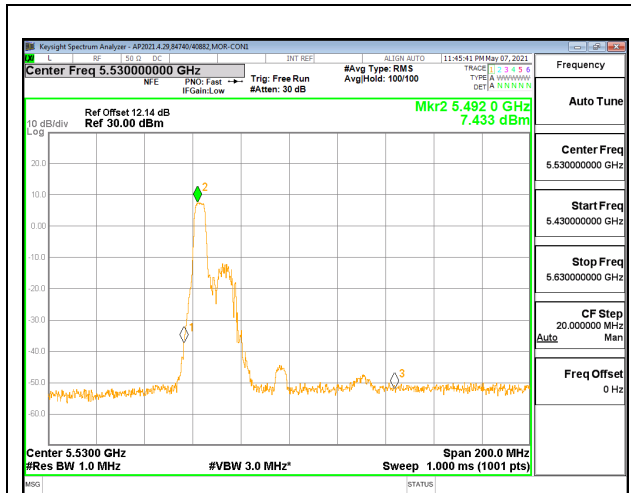
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd Power & PSD
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Output Power Results

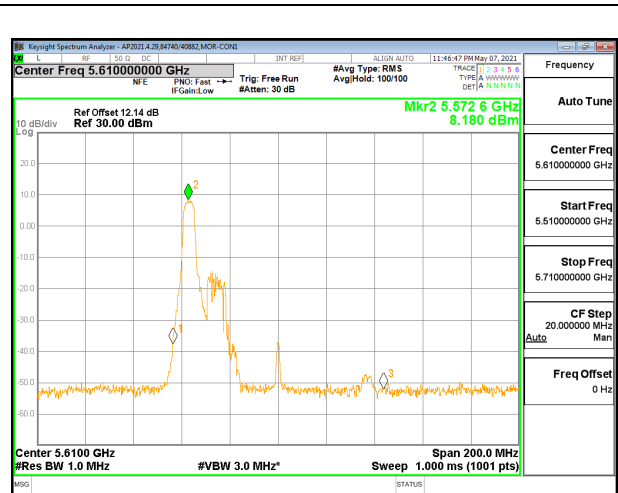
Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5530	14.980	14.98	17.74	-2.76
High	5610	15.200	15.20	17.84	-2.64
138	5690	15.060	15.06	17.67	-2.61

PSD Results

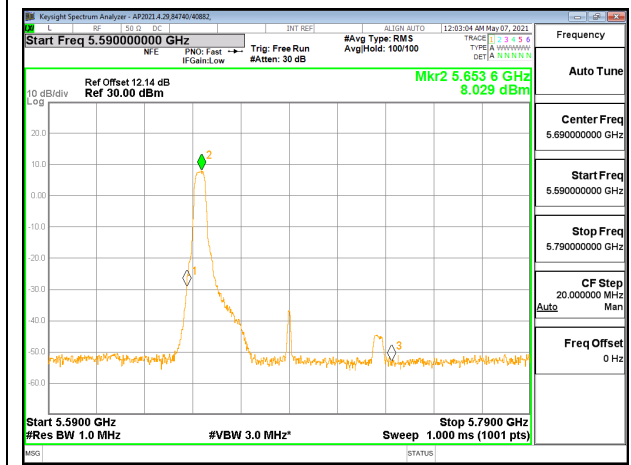
Channel	Frequency (MHz)	Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5530	7.433	7.433	10.60	-3.17
High	5610	8.180	8.180	10.60	-2.42
138	5690	8.029	8.029	10.60	-2.57



LOW CHANNEL



HIGH CHANNEL



CHANNEL 138

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1TX Antenna A OFDMA MODE: 52-Tones, RU Index 44

Test Engineer:	84740/40882
Test Date:	2021-05-03 – 2021-05-07

Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Min 99% BW (MHz)	Directional Gain (dBi)
Low	5530	21.4000	4.8419	6.40
High	5610	21.4000	5.0181	6.40
138	5690	20.6000	5.1396	6.40

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	23.60	17.85	23.85	17.45	10.60	11.00	10.60
High	5610	23.60	18.01	24.01	17.61	10.60	11.00	10.60
138	5690	23.60	18.11	24.11	17.71	10.60	11.00	10.60

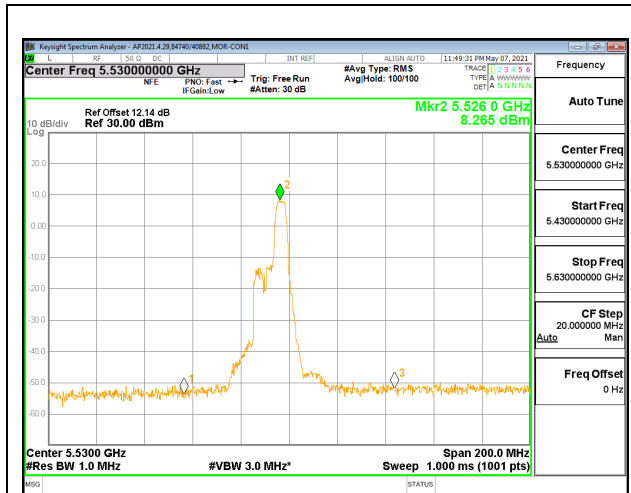
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd Power & PSD
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Output Power Results

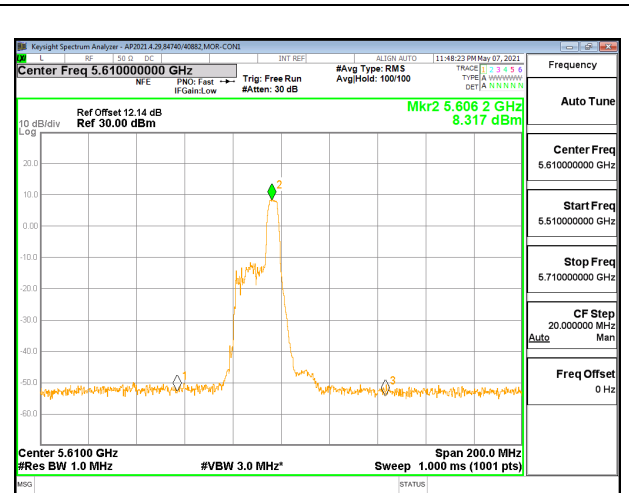
Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5530	15.240	15.24	17.45	-2.21
High	5610	15.480	15.48	17.61	-2.13
138	5690	15.370	15.37	17.71	-2.34

PSD Results

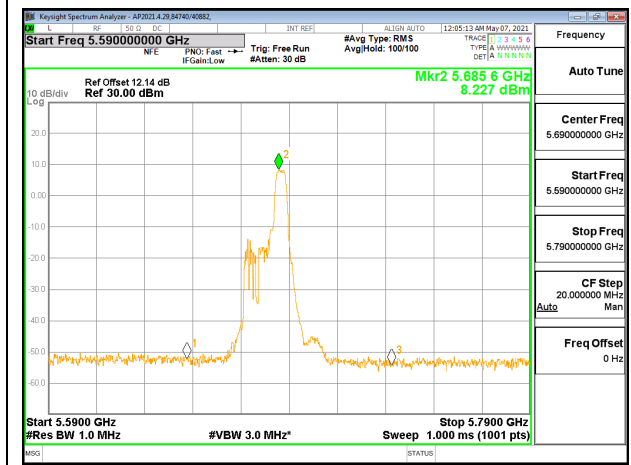
Channel	Frequency (MHz)	Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5530	8.265	8.265	10.60	-2.34
High	5610	8.317	8.317	10.60	-2.28
138	5690	8.227	8.227	10.60	-2.37



LOW CHANNEL



HIGH CHANNEL



CHANNEL 138

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1TX Antenna A OFDMA MODE: 52-Tones, RU Index 52

Test Engineer:	84740/40882
Test Date:	2021-05-03 – 2021-05-07

Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Min 99% BW (MHz)	Directional Gain (dBi)
Low	5530	21.4000	5.2531	6.40
High	5610	21.0000	5.3373	6.40
138	5690	14.8000	4.9512	6.40

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	23.60	18.20	24.20	17.80	10.60	11.00	10.60
High	5610	23.60	18.27	24.27	17.87	10.60	11.00	10.60
138	5690	22.30	17.95	23.95	17.55	10.60	11.00	10.60

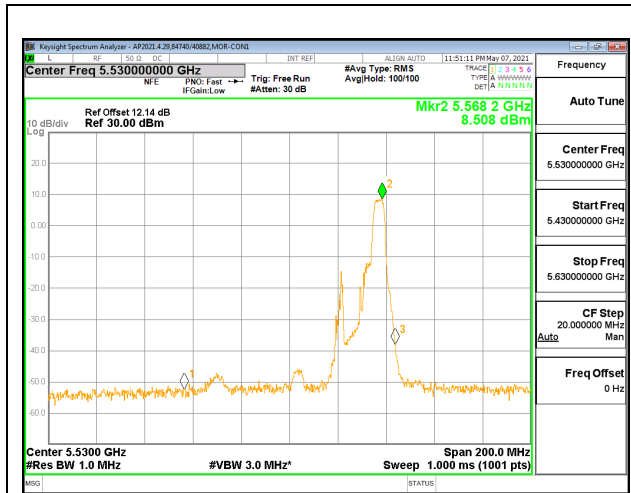
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd Power & PSD
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Output Power Results

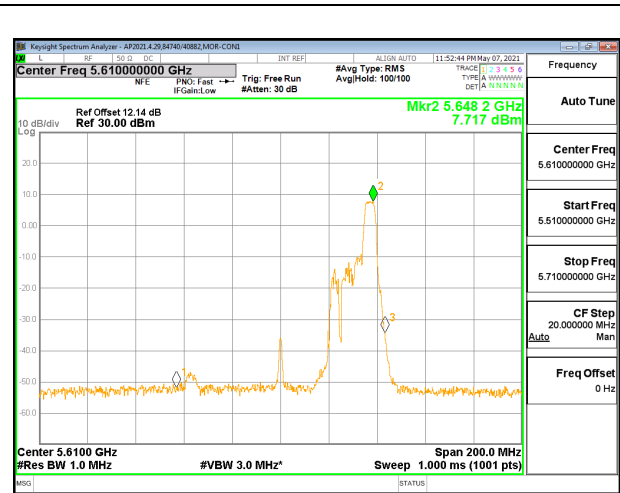
Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5530	15.220	15.22	17.80	-2.58
High	5610	15.000	15.00	17.87	-2.87
138	5690	15.050	15.05	17.55	-2.50

PSD Results

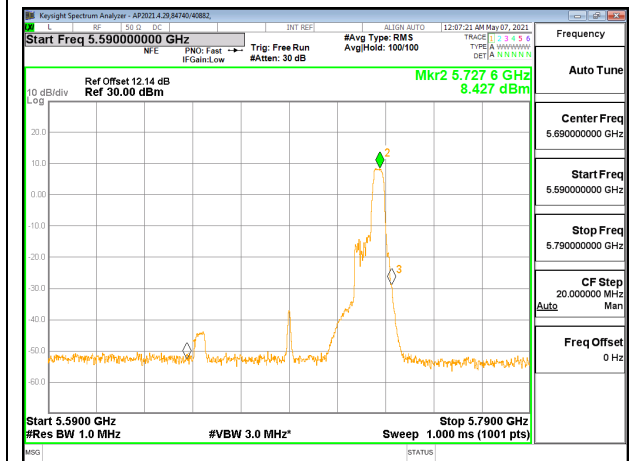
Channel	Frequency (MHz)	Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5530	8.508	8.508	10.60	-2.09
High	5610	7.717	7.717	10.60	-2.88
138	5690	8.427	8.427	10.60	-2.17



LOW CHANNEL



HIGH CHANNEL



CHANNEL 138

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1TX Antenna A OFDMA MODE: 26-Tones, RU Index 0

Test Engineer:	84740/40882
Test Date:	2021-05-03 – 2021-05-06

Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Min 99% BW (MHz)	Directional Gain (dBi)
Low	5530	20.6000	3.4919	6.40
High	5610	20.4000	3.4111	6.40
138	5690	20.0000	2.8123	6.40

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	23.60	16.43	22.43	16.03	10.60	11.00	10.60
High	5610	23.60	16.33	22.33	15.93	10.60	11.00	10.60
138	5690	23.60	15.49	21.49	15.09	10.60	11.00	10.60

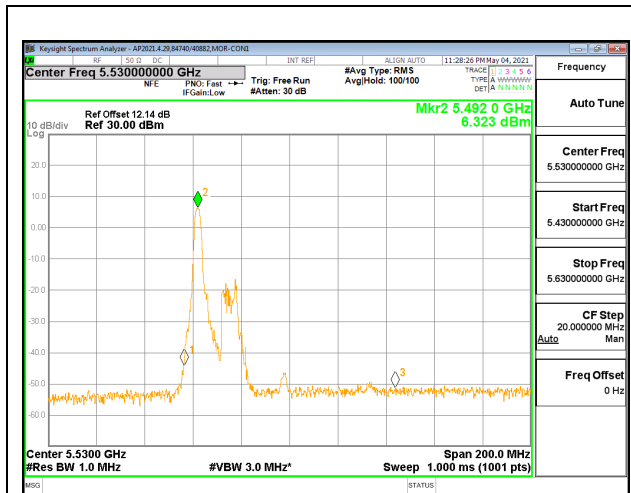
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd Power & PSD
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Output Power Results

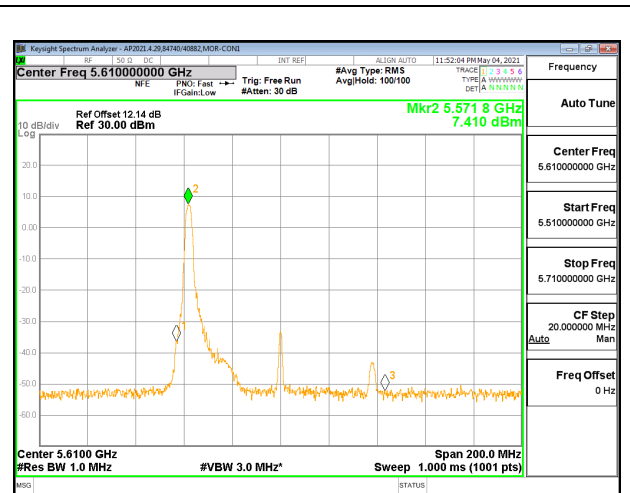
Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5530	11.960	11.96	16.03	-4.07
High	5610	12.170	12.17	15.93	-3.76
138	5690	11.950	11.95	15.09	-3.14

PSD Results

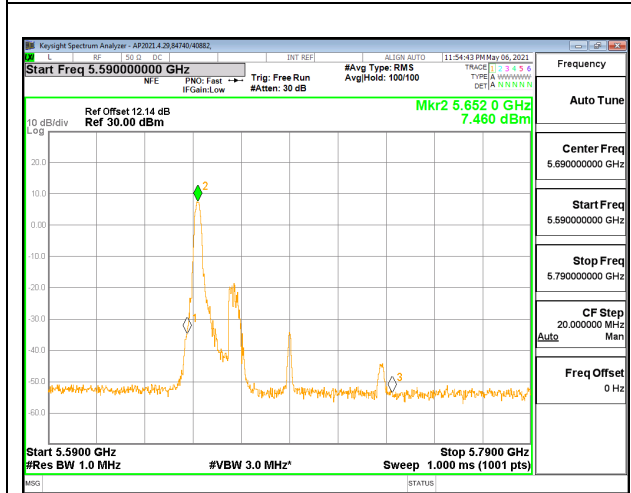
Channel	Frequency (MHz)	Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5530	6.323	6.323	10.60	-4.28
High	5610	7.410	7.410	10.60	-3.19
138	5690	7.460	7.460	10.60	-3.14



LOW CHANNEL



HIGH CHANNEL



CHANNEL 138

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1TX Antenna A OFDMA MODE: 26-Tones, RU Index 18

Test Engineer:	84740/40882
Test Date:	2021-05-03 – 2021-05-07

Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Min 99% BW (MHz)	Directional Gain (dBi)
Low	5530	39.4000	4.8694	6.40
High	5610	38.8000	5.1708	6.40
138	5690	39.0000	5.5241	6.40

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	23.60	17.87	23.87	17.47	10.60	11.00	10.60
High	5610	23.60	18.14	24.14	17.74	10.60	11.00	10.60
138	5690	23.60	18.42	24.42	18.02	10.60	11.00	10.60

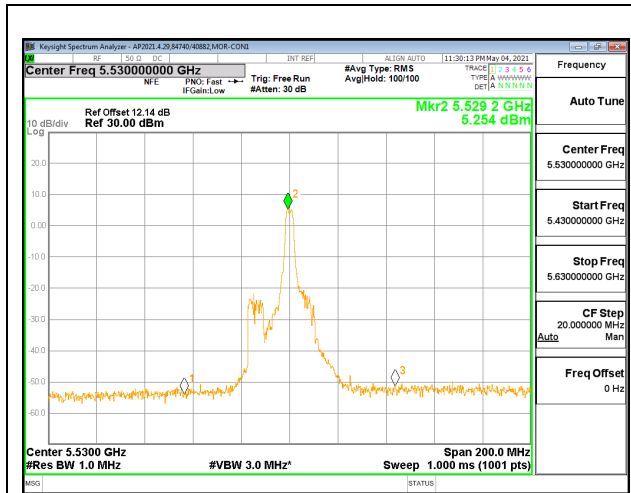
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd Power & PSD
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Output Power Results

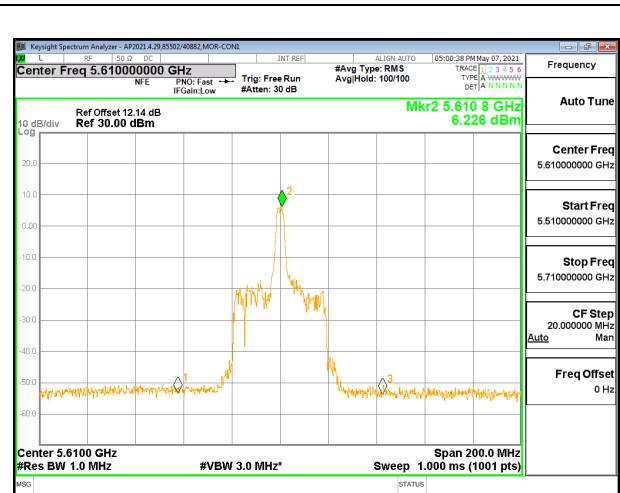
Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5530	11.340	11.34	17.47	-6.13
High	5610	11.610	11.61	17.74	-6.13
138	5690	11.530	11.53	18.02	-6.49

PSD Results

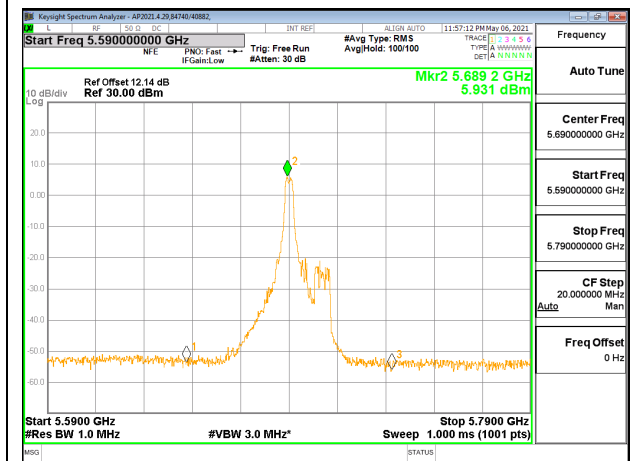
Channel	Frequency (MHz)	Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5530	5.254	5.254	10.60	-5.35
High	5610	6.226	6.226	10.60	-4.37
138	5690	5.931	5.931	10.60	-4.67



LOW CHANNEL



HIGH CHANNEL



CHANNEL 138

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1TX Antenna A OFDMA MODE: 26-Tones, RU Index 36

Test Engineer:	84740/40882
Test Date:	2021-05-03 – 2021-05-07

Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Min 99% BW (MHz)	Directional Gain (dBi)
Low	5530	20.8000	3.2443	6.40
High	5610	20.6000	3.3434	6.40
138	5690	14.4000	2.2048	6.40

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	23.60	16.11	22.11	15.71	10.60	11.00	10.60
High	5610	23.60	16.24	22.24	15.84	10.60	11.00	10.60
138	5690	22.18	14.43	20.43	14.03	10.60	11.00	10.60

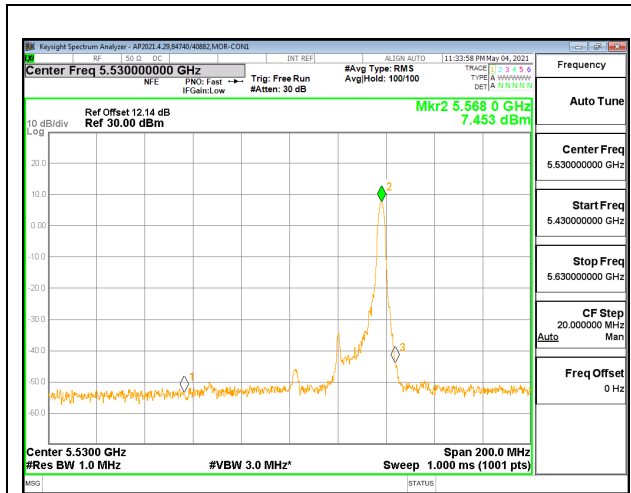
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd Power & PSD
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Output Power Results

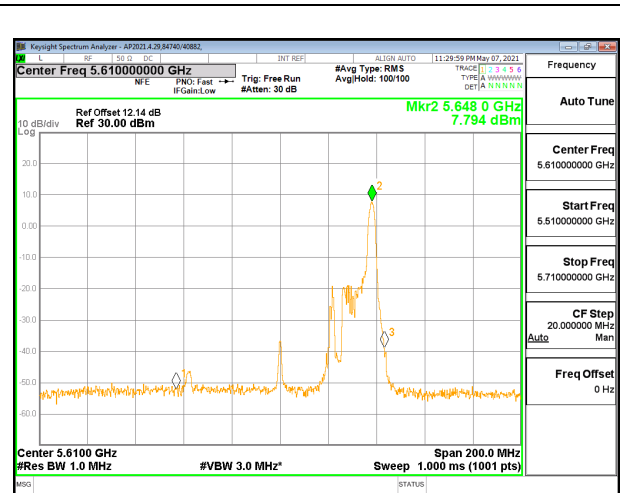
Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5530	12.090	12.09	15.71	-3.62
High	5610	11.790	11.79	15.84	-4.05
138	5690	11.930	11.93	14.03	-2.10

PSD Results

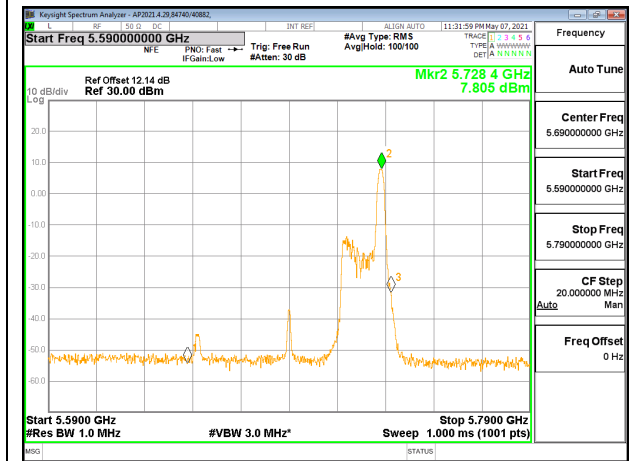
Channel	Frequency (MHz)	Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5530	7.453	7.453	10.60	-3.15
High	5610	7.794	7.794	10.60	-2.81
138	5690	7.805	7.805	10.60	-2.80



LOW CHANNEL



HIGH CHANNEL



CHANNEL 138

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1TX Antenna B OFDMA MODE: SU, Single User

Test Engineer:	84740/40882
Test Date:	2021-05-03 – 2021-05-08

Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Min 99% BW (MHz)	Directional Gain (dBi)
Low	5530	88.2000	76.3890	6.90
High	5610	85.0000	77.0950	6.90
138	5690	77.4000	73.1060	6.90

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	23.10	24.00	30.00	23.10	10.10	11.00	10.10
High	5610	23.10	24.00	30.00	23.10	10.10	11.00	10.10
138	5690	23.10	24.00	30.00	23.10	10.10	11.00	10.10

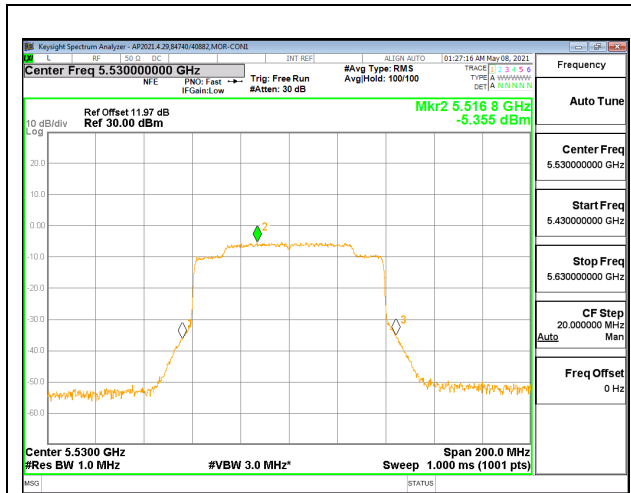
Duty Cycle CF (dB)	0.12	Included in Calculations of Corr'd Power & PSD
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Output Power Results

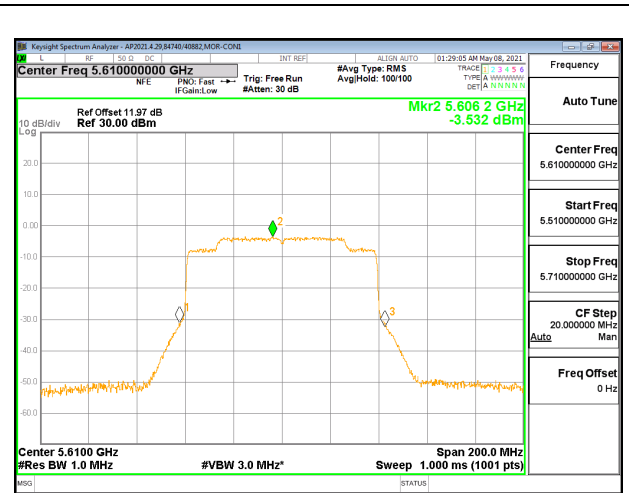
Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5530	13.380	13.38	23.10	-9.72
High	5610	15.290	15.29	23.10	-7.81
138	5690	14.980	15.10	23.10	-8.00

PSD Results

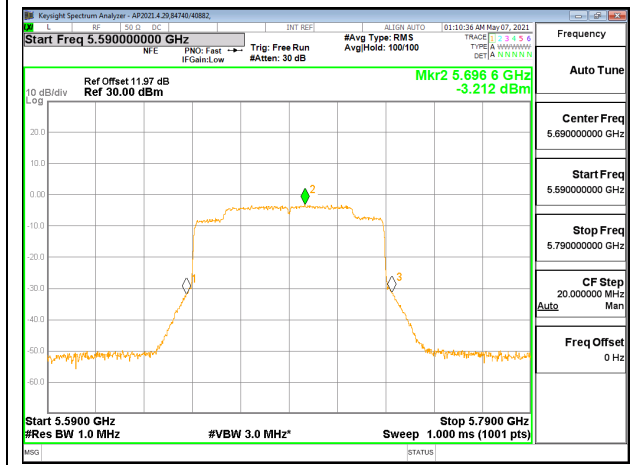
Channel	Frequency (MHz)	Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5530	-5.355	-5.235	10.10	-15.34
High	5610	-3.532	-3.412	10.10	-13.51
138	5690	-3.212	-3.092	10.10	-13.19



LOW CHANNEL



HIGH CHANNEL



CHANNEL 138

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1TX Antenna B OFDMA MODE: 484-Tones, RU Index 65

Test Engineer:	84740/40882
Test Date:	2021-05-03 – 2021-05-08

Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Min 99% BW (MHz)	Directional Gain (dBi)
Low	5530	43.0000	37.0460	6.90
High	5610	42.8000	36.9880	6.90
138	5690	43.0000	37.4130	6.90

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	23.10	24.00	30.00	23.10	10.10	11.00	10.10
High	5610	23.10	24.00	30.00	23.10	10.10	11.00	10.10
138	5690	23.10	24.00	30.00	23.10	10.10	11.00	10.10

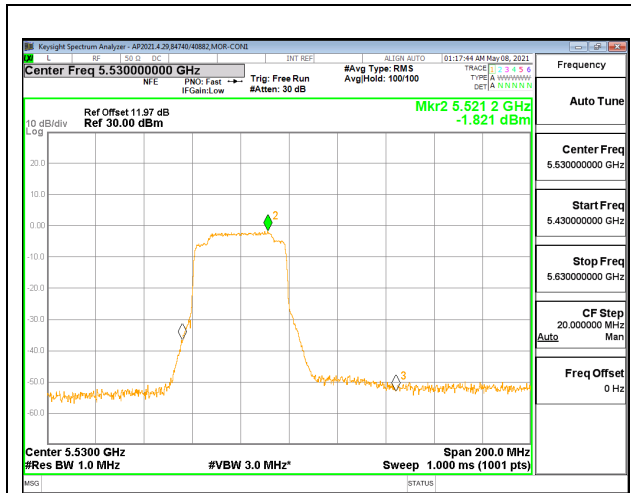
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd Power & PSD
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Output Power Results

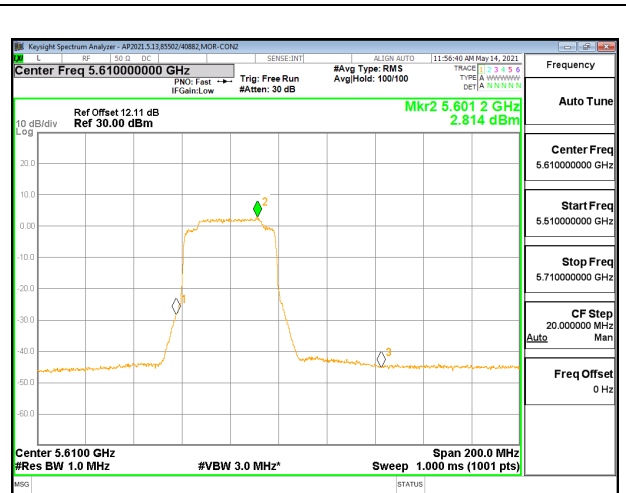
Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5530	14.250	14.25	23.10	-8.85
High	5610	16.230	16.23	23.10	-6.87
138	5690	14.850	14.85	23.10	-8.25

PSD Results

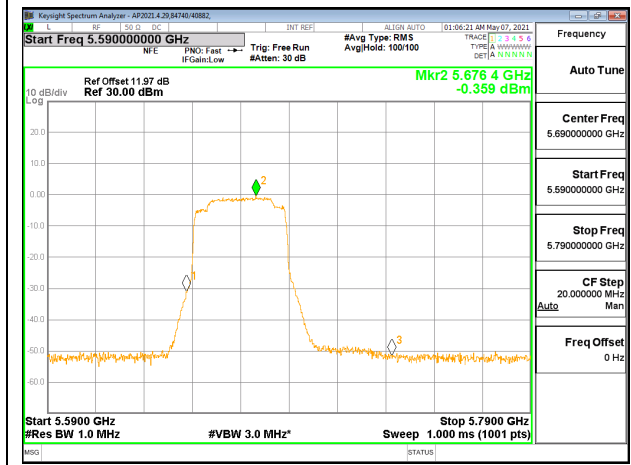
Channel	Frequency (MHz)	Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5530	-1.821	-1.821	10.10	-11.92
High	5610	2.814	2.814	10.10	-7.29
138	5690	-0.359	-0.359	10.10	-10.46



LOW CHANNEL



HIGH CHANNEL



CHANNEL 138

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1TX Antenna B OFDMA MODE: 484-Tones, RU Index 66

Test Engineer:	84740/40882
Test Date:	2021-05-03 – 2021-05-08

Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Min 99% BW (MHz)	Directional Gain (dBi)
Low	5530	42.4000	39.9600	6.90
High	5610	43.8000	37.1530	6.90
138	5690	36.4000	33.8400	6.90

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	23.10	24.00	30.00	23.10	10.10	11.00	10.10
High	5610	23.10	24.00	30.00	23.10	10.10	11.00	10.10
138	5690	23.10	24.00	30.00	23.10	10.10	11.00	10.10

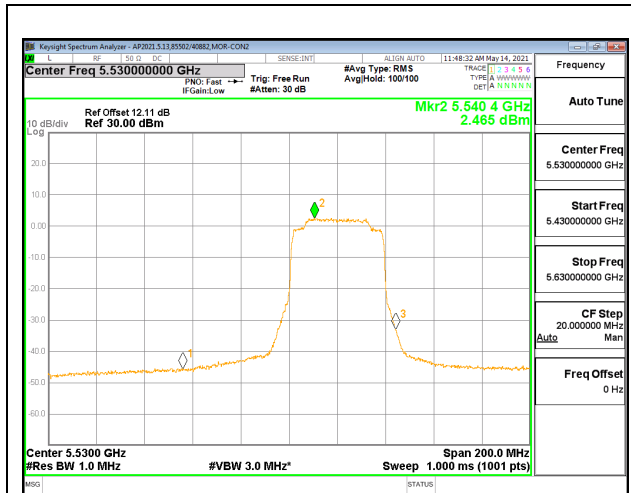
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

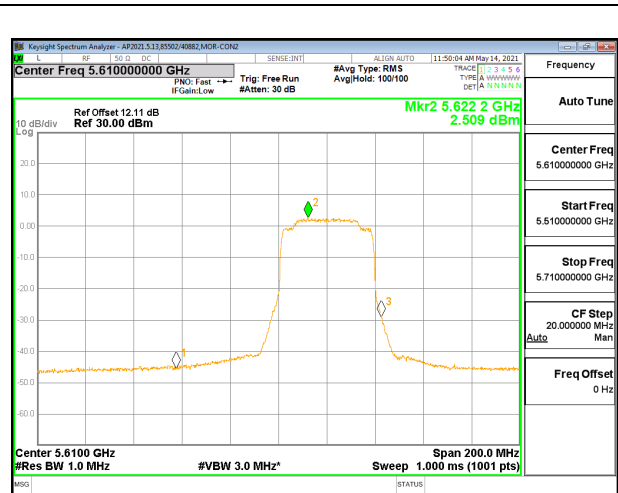
Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5530	16.020	16.02	23.10	-7.08
High	5610	15.920	15.92	23.10	-7.18
138	5690	15.900	15.90	23.10	-7.20

PSD Results

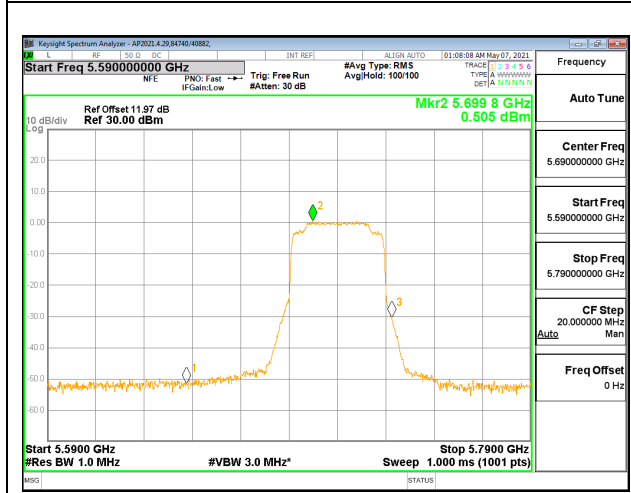
Channel	Frequency (MHz)	Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5530	2.465	2.465	10.10	-7.64
High	5610	2.509	2.509	10.10	-7.59
138	5690	0.505	0.505	10.10	-9.60



LOW CHANNEL



HIGH CHANNEL



CHANNEL 138

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1TX Antenna B OFDMA MODE: 242-Tones, RU Index 61

Test Engineer:	84740/40882
Test Date:	2021-05-03 – 2021-05-08

Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Min 99% BW (MHz)	Directional Gain (dBi)
Low	5530	24.0000	18.9120	6.90
High	5610	24.0000	18.6020	6.90
138	5690	24.0000	18.8830	6.90

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	23.10	23.77	29.77	22.87	10.10	11.00	10.10
High	5610	23.10	23.70	29.70	22.80	10.10	11.00	10.10
138	5690	23.10	23.76	29.76	22.86	10.10	11.00	10.10

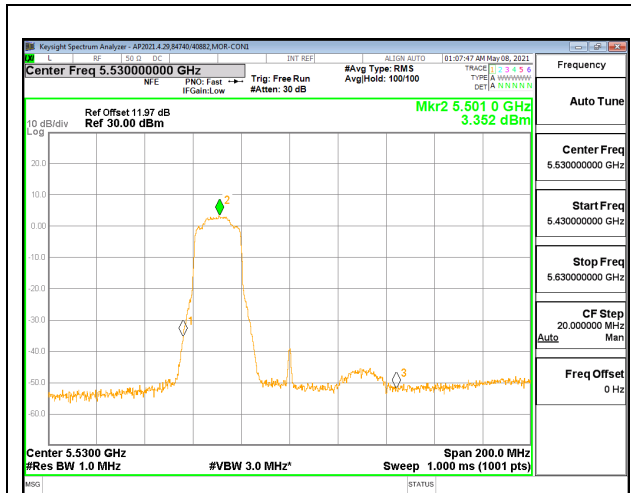
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

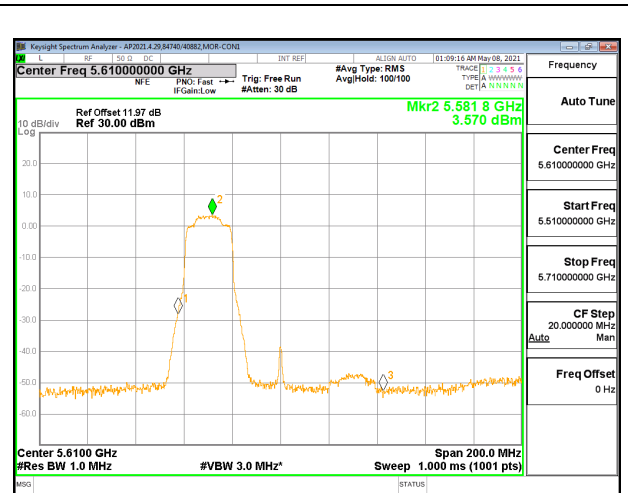
Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5530	16.060	16.06	22.87	-6.81
High	5610	16.240	16.24	22.80	-6.56
138	5690	15.840	15.84	22.86	-7.02

PSD Results

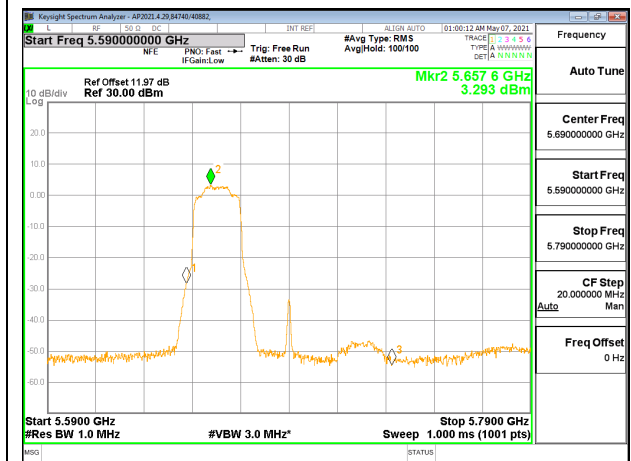
Channel	Frequency (MHz)	Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5530	3.352	3.352	10.10	-6.75
High	5610	3.570	3.570	10.10	-6.53
138	5690	3.293	3.293	10.10	-6.81



LOW CHANNEL



HIGH CHANNEL



CHANNEL 138

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1TX Antenna B OFDMA MODE: 242-Tones, RU Index 62

Test Engineer:	84740/40882
Test Date:	2021-05-03 – 2021-05-08

Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Min 99% BW (MHz)	Directional Gain (dBi)
Low	5530	41.2000	21.9040	6.90
High	5610	41.0000	23.5410	6.90
138	5690	41.6000	22.0280	6.90

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	23.10	24.00	30.00	23.10	10.10	11.00	10.10
High	5610	23.10	24.00	30.00	23.10	10.10	11.00	10.10
138	5690	23.10	24.00	30.00	23.10	10.10	11.00	10.10

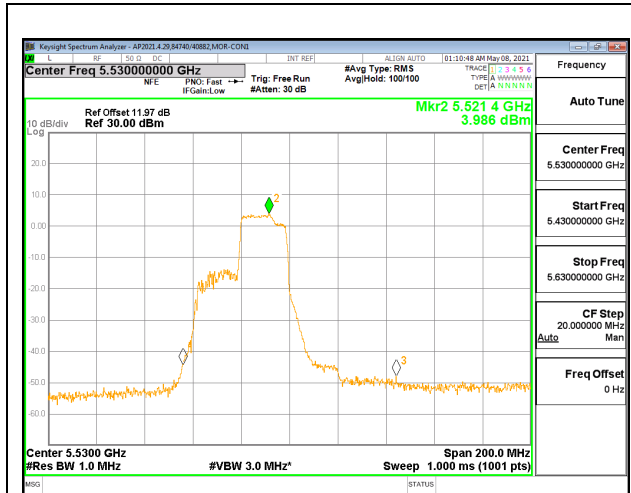
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

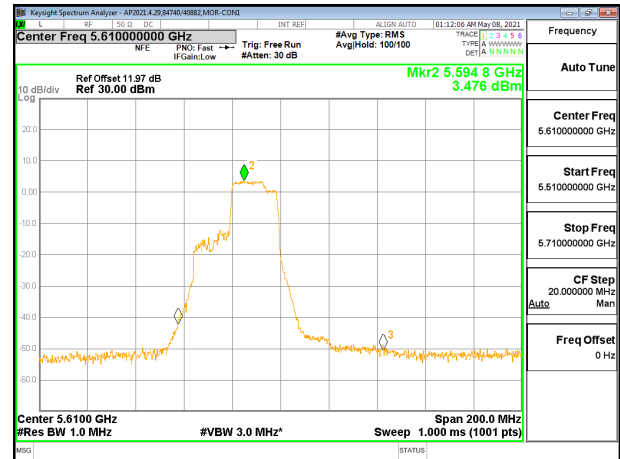
Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5530	16.930	16.93	23.10	-6.17
High	5610	16.820	16.82	23.10	-6.28
138	5690	16.540	16.54	23.10	-6.56

PSD Results

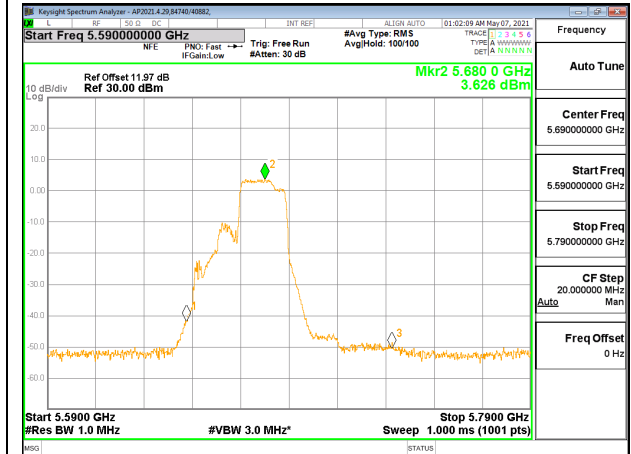
Channel	Frequency (MHz)	Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5530	3.986	3.986	10.10	-6.11
High	5610	3.476	3.476	10.10	-6.62
138	5690	3.626	3.626	10.10	-6.47



LOW CHANNEL



HIGH CHANNEL



CHANNEL 138

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1TX Antenna B OFDMA MODE: 242-Tones, RU Index 64

Test Engineer:	84740/40882
Test Date:	2021-05-03 – 2021-05-08

Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Min 99% BW (MHz)	Directional Gain (dBi)
Low	5530	24.0000	19.0500	6.90
High	5610	23.8000	18.8540	6.90
138	5690	17.4000	14.4870	6.90

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	23.10	23.80	29.80	22.90	10.10	11.00	10.10
High	5610	23.10	23.75	29.75	22.85	10.10	11.00	10.10
138	5690	22.51	22.61	28.61	21.71	10.10	11.00	10.10

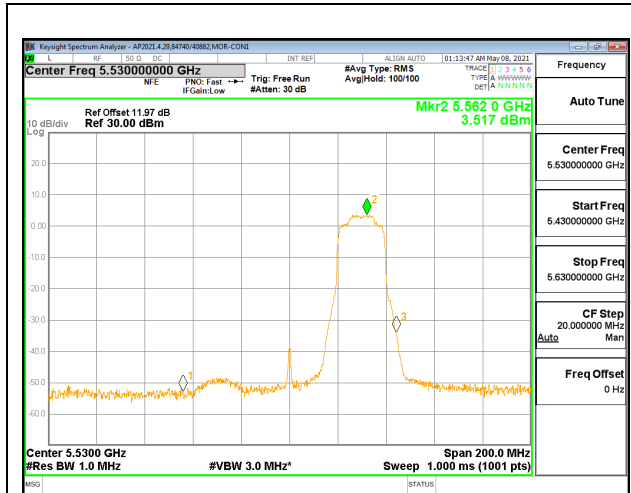
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

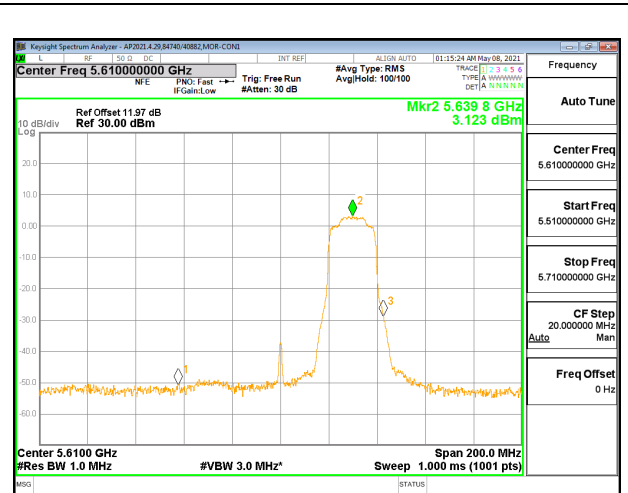
Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5530	16.250	16.25	22.90	-6.65
High	5610	15.780	15.78	22.85	-7.07
138	5690	15.850	15.85	21.71	-5.86

PSD Results

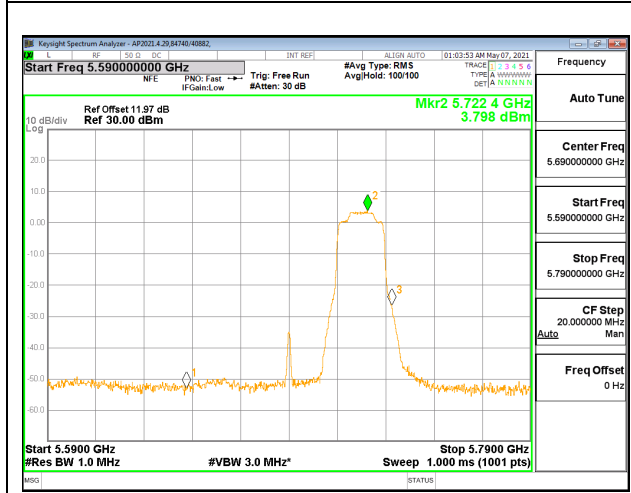
Channel	Frequency (MHz)	Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5530	3.517	3.517	10.10	-6.58
High	5610	3.123	3.123	10.10	-6.98
138	5690	3.798	3.798	10.10	-6.30



LOW CHANNEL



HIGH CHANNEL



CHANNEL 138

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1TX Antenna B OFDMA MODE: 106-Tones, RU Index 53

Test Engineer:	84740/40882
Test Date:	2021-05-03 – 2021-05-08

Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Min 99% BW (MHz)	Directional Gain (dBi)
Low	5530	22.0000	8.5276	6.90
High	5610	22.2000	8.7008	6.90
138	5690	23.2000	8.2635	6.90

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	23.10	20.31	26.31	19.41	10.10	11.00	10.10
High	5610	23.10	20.40	26.40	19.50	10.10	11.00	10.10
138	5690	23.10	20.17	26.17	19.27	10.10	11.00	10.10

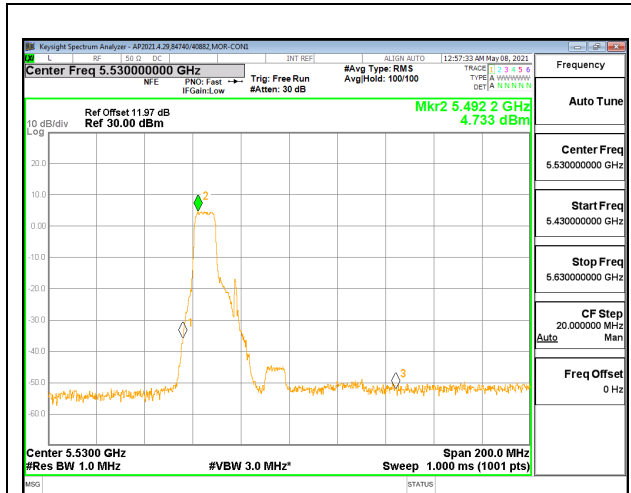
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

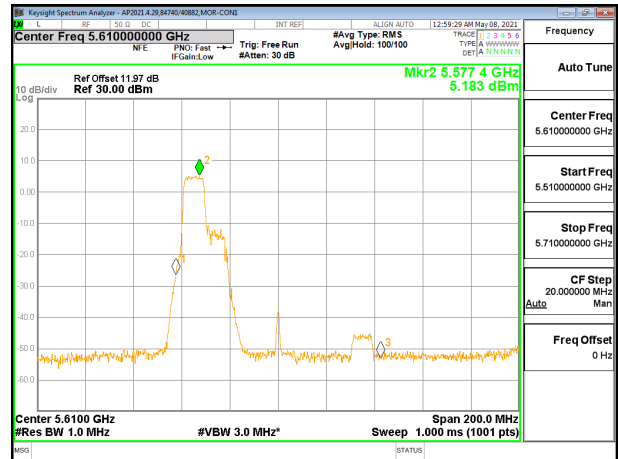
Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5530	15.250	15.25	19.41	-4.16
High	5610	15.320	15.32	19.50	-4.18
138	5690	14.840	14.84	19.27	-4.43

PSD Results

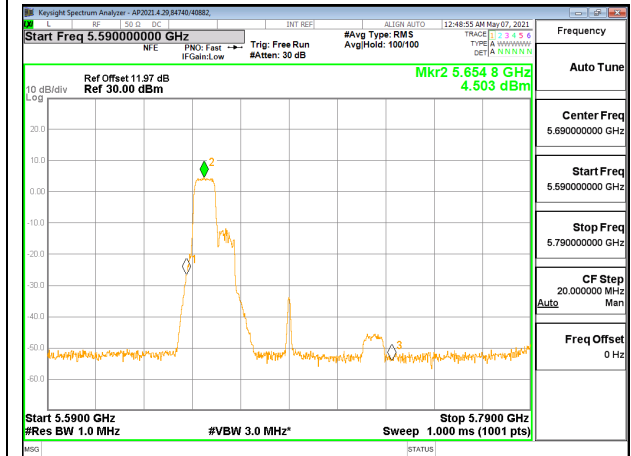
Channel	Frequency (MHz)	Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5530	4.733	4.733	10.10	-5.37
High	5610	5.183	5.183	10.10	-4.92
138	5690	4.503	4.503	10.10	-5.60



LOW CHANNEL



HIGH CHANNEL



CHANNEL 138

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1TX Antenna B OFDMA MODE: 106-Tones, RU Index 56

Test Engineer:	84740/40882
Test Date:	2021-05-03 – 2021-05-08

Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Min 99% BW (MHz)	Directional Gain (dBi)
Low	5530	22.0000	8.4656	6.90
High	5610	23.6000	8.2763	6.90
138	5690	22.8000	8.4090	6.90

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	23.10	20.28	26.28	19.38	10.10	11.00	10.10
High	5610	23.10	20.18	26.18	19.28	10.10	11.00	10.10
138	5690	23.10	20.25	26.25	19.35	10.10	11.00	10.10

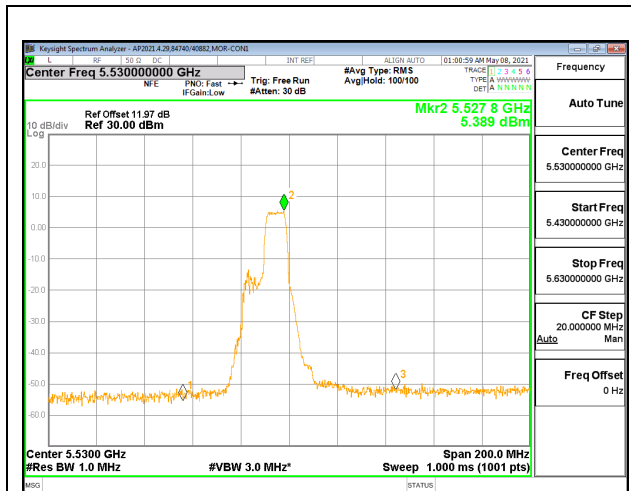
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

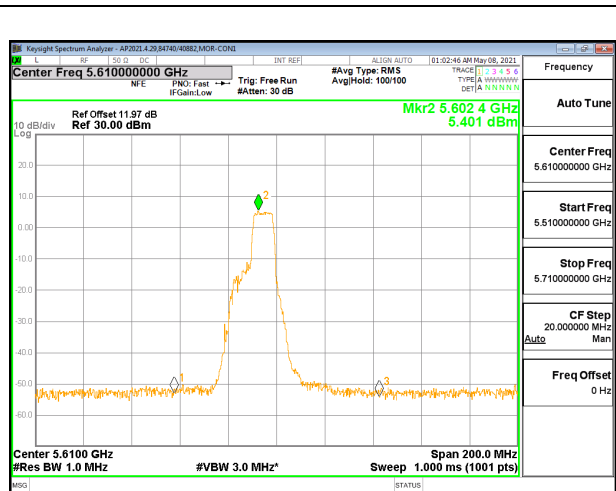
Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5530	15.490	15.49	19.38	-3.89
High	5610	15.380	15.38	19.28	-3.90
138	5690	15.140	15.14	19.35	-4.21

PSD Results

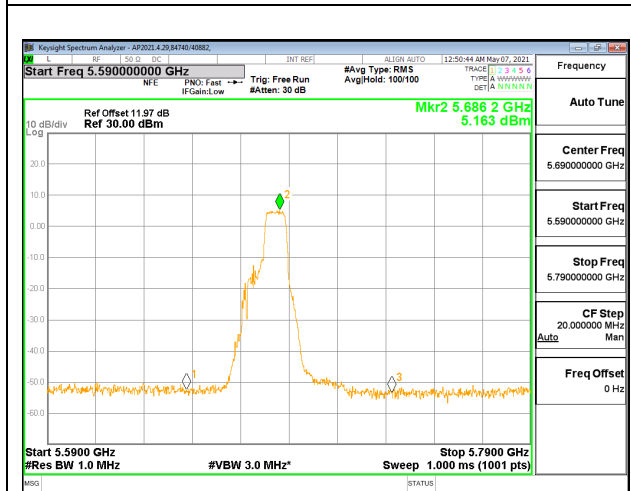
Channel	Frequency (MHz)	Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5530	5.389	5.389	10.10	-4.71
High	5610	5.401	5.401	10.10	-4.70
138	5690	5.163	5.163	10.10	-4.94



LOW CHANNEL



HIGH CHANNEL



CHANNEL 138

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1TX Antenna B OFDMA MODE: 106-Tones, RU Index 60

Test Engineer:	84740/40882
Test Date:	2021-05-03 – 2021-05-08

Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Min 99% BW (MHz)	Directional Gain (dBi)
Low	5530	22.8000	8.7889	6.90
High	5610	23.2000	8.9134	6.90
138	5690	16.6000	6.3125	6.90

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	23.10	20.44	26.44	19.54	10.10	11.00	10.10
High	5610	23.10	20.50	26.50	19.60	10.10	11.00	10.10
138	5690	22.30	19.00	25.00	18.10	10.10	11.00	10.10

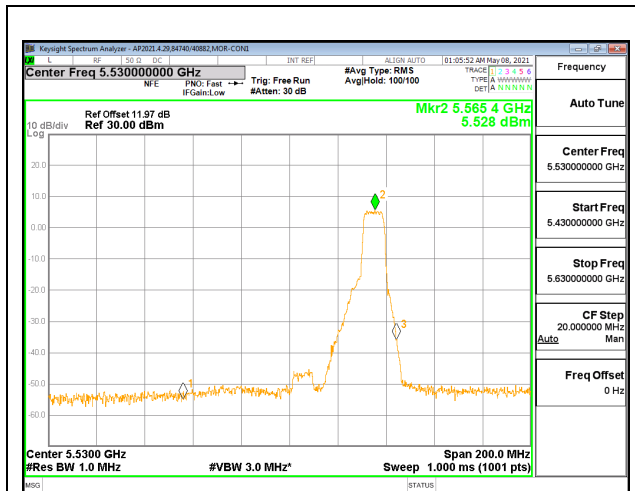
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

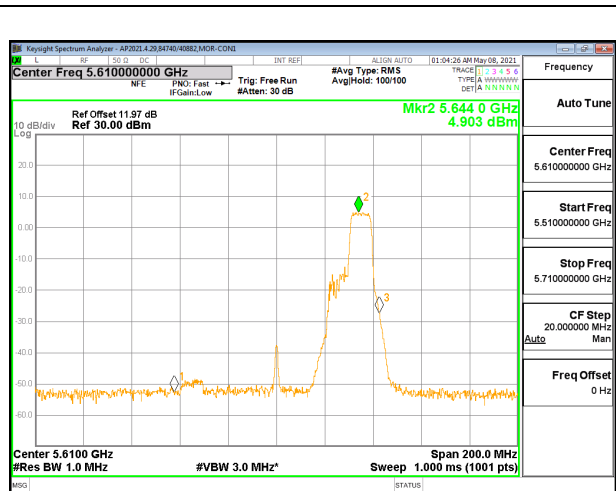
Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5530	15.340	15.34	19.54	-4.20
High	5610	15.000	15.00	19.60	-4.60
138	5690	14.850	14.85	18.10	-3.25

PSD Results

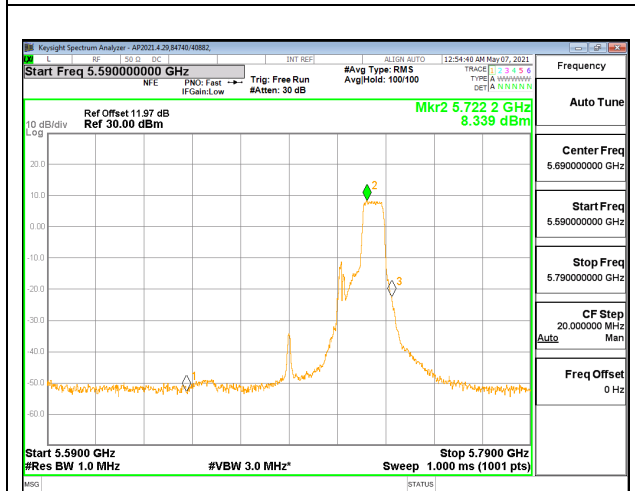
Channel	Frequency (MHz)	Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5530	5.528	5.528	10.10	-4.57
High	5610	4.903	4.903	10.10	-5.20
138	5690	8.339	8.339	10.10	-1.76



LOW CHANNEL



HIGH CHANNEL



CHANNEL 138

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1TX Antenna B OFDMA MODE: 52-Tones, RU Index 37

Test Engineer:	84740/40882
Test Date:	2021-05-03 – 2021-05-08

Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Min 99% BW (MHz)	Directional Gain (dBi)
Low	5530	21.6000	4.6541	6.90
High	5610	21.6000	4.5871	6.90
138	5690	21.4000	4.4447	6.90

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	23.10	17.68	23.68	16.78	10.10	11.00	10.10
High	5610	23.10	17.62	23.62	16.72	10.10	11.00	10.10
138	5690	23.10	17.48	23.48	16.58	10.10	11.00	10.10

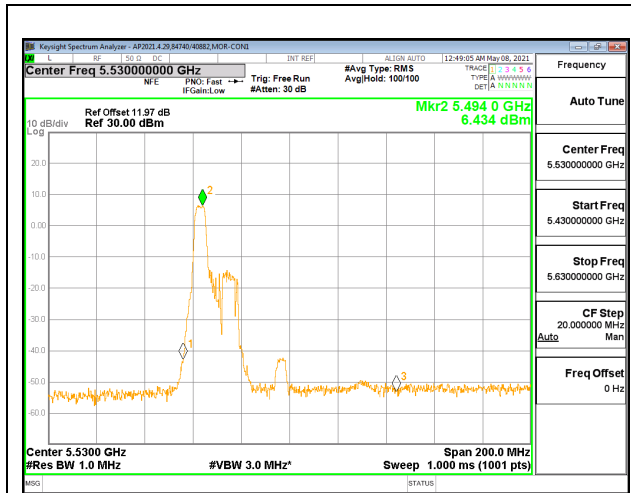
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

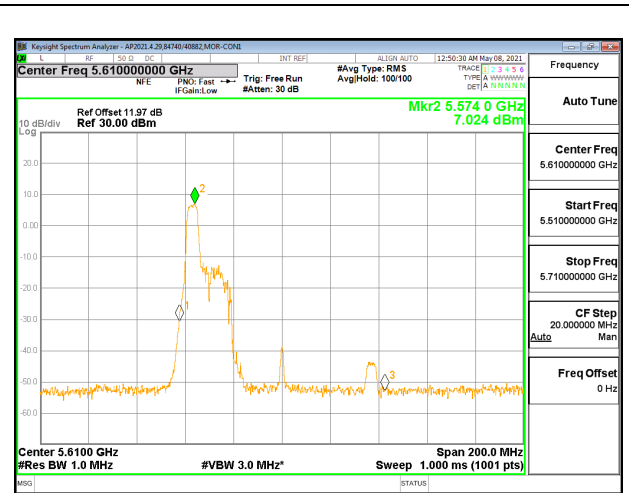
Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5530	14.240	14.24	16.78	-2.54
High	5610	14.330	14.33	16.72	-2.39
138	5690	13.890	13.89	16.58	-2.69

PSD Results

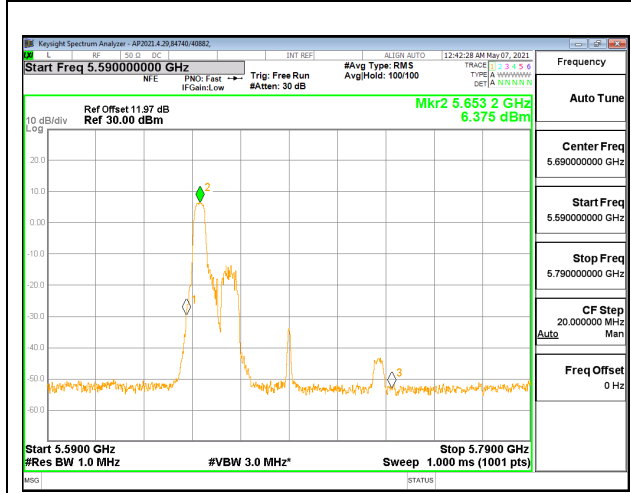
Channel	Frequency (MHz)	Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5530	6.434	6.434	10.10	-3.67
High	5610	7.024	7.024	10.10	-3.08
138	5690	6.375	6.375	10.10	-3.73



LOW CHANNEL



HIGH CHANNEL



CHANNEL 138

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1TX Antenna B OFDMA MODE: 52-Tones, RU Index 44

Test Engineer:	84740/40882
Test Date:	2021-05-03 – 2021-05-08

Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Min 99% BW (MHz)	Directional Gain (dBi)
Low	5530	20.8000	5.3061	6.90
High	5610	20.8000	4.1325	6.90
138	5690	20.8000	6.9489	6.90

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	23.10	18.25	24.25	17.35	10.10	11.00	10.10
High	5610	23.10	17.16	23.16	16.26	10.10	11.00	10.10
138	5690	23.10	19.42	25.42	18.52	10.10	11.00	10.10

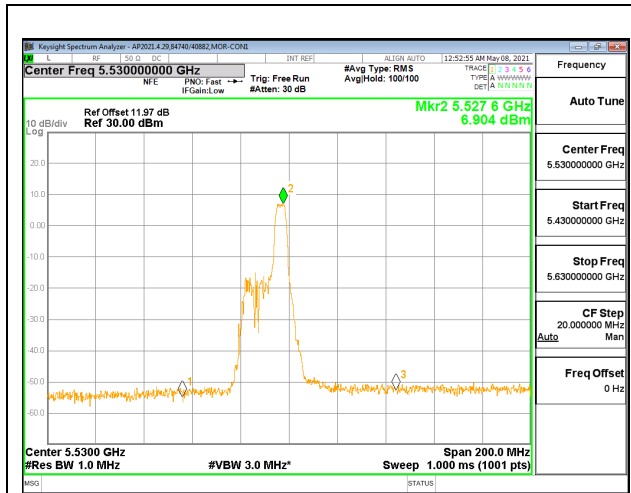
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

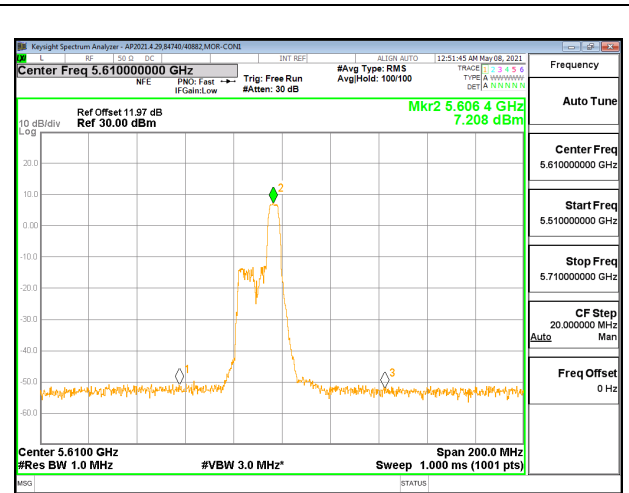
Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5530	14.630	14.63	17.35	-2.72
High	5610	14.530	14.53	16.26	-1.73
138	5690	14.220	14.22	18.52	-4.30

PSD Results

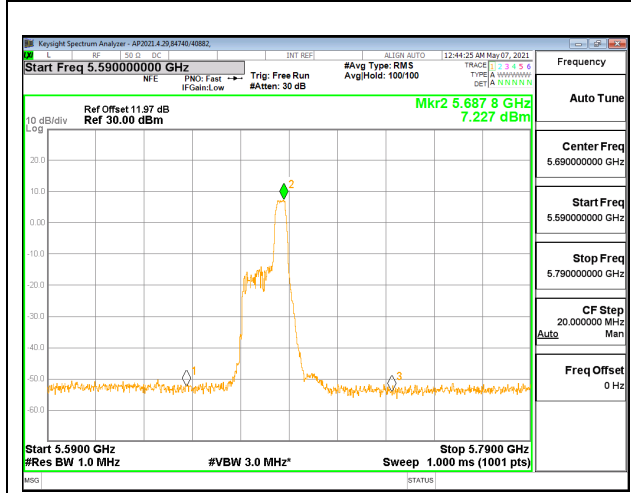
Channel	Frequency (MHz)	Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5530	6.904	6.904	10.10	-3.20
High	5610	7.208	7.208	10.10	-2.89
138	5690	7.227	7.227	10.10	-2.87



LOW CHANNEL



HIGH CHANNEL



CHANNEL 138

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1TX Antenna B OFDMA MODE: 52-Tones, RU Index 52

Test Engineer:	84740/40882
Test Date:	2021-05-03 – 2021-05-08

Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Min 99% BW (MHz)	Directional Gain (dBi)
Low	5530	20.8000	5.1624	6.90
High	5610	21.2000	4.3041	6.90
138	5690	13.4000	3.1586	6.90

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	23.10	18.13	24.13	17.23	10.10	11.00	10.10
High	5610	23.10	17.34	23.34	16.44	10.10	11.00	10.10
138	5690	21.37	15.99	21.99	15.09	10.10	11.00	10.10

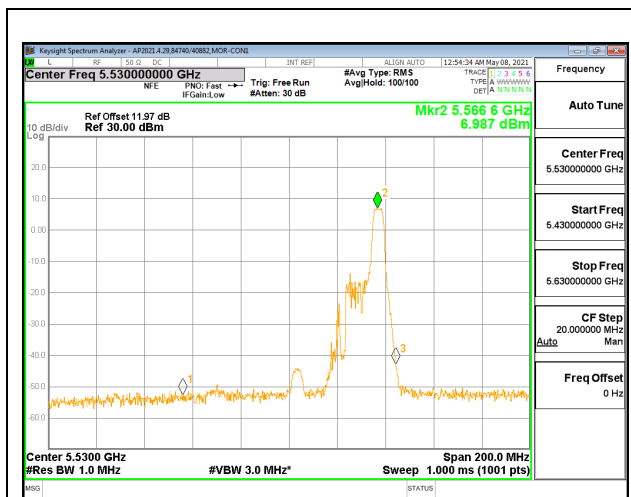
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

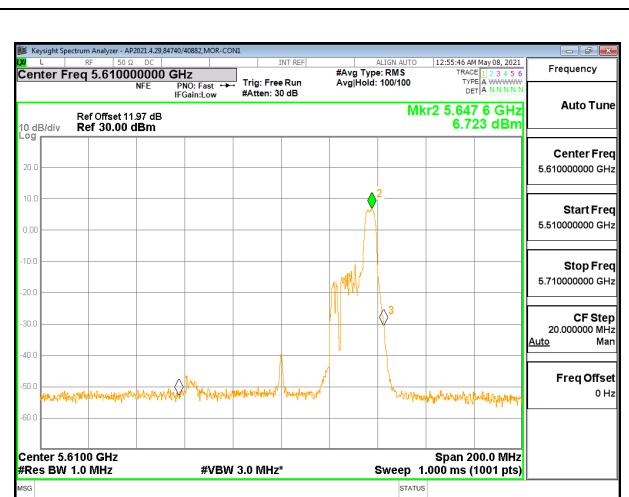
Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5530	14.370	14.37	17.23	-2.86
High	5610	13.990	13.99	16.44	-2.45
138	5690	13.910	13.91	15.09	-1.18

PSD Results

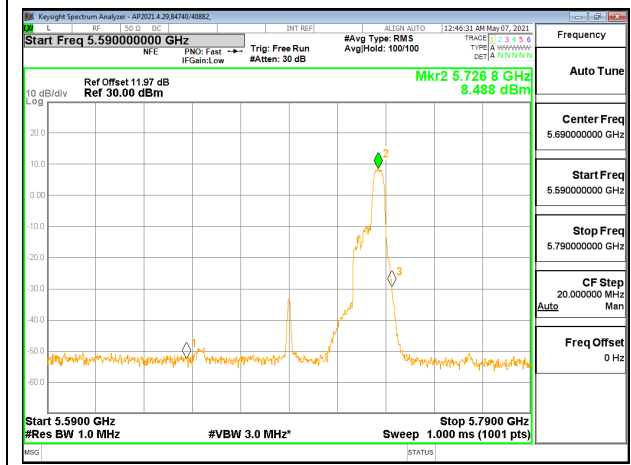
Channel	Frequency (MHz)	Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5530	6.987	6.987	10.10	-3.11
High	5610	6.723	6.723	10.10	-3.38
138	5690	8.488	8.488	10.10	-1.61



LOW CHANNEL



HIGH CHANNEL



CHANNEL 138

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1TX Antenna B OFDMA MODE: 26-Tones, RU Index 0

Test Engineer:	84740/40882
Test Date:	2021-05-03 – 2021-05-08

Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Min 99% BW (MHz)	Directional Gain (dBi)
Low	5530	20.4000	3.4367	6.90
High	5610	20.8000	3.5267	6.90
138	5690	20.8000	2.6734	6.90

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	23.10	16.36	22.36	15.46	10.10	11.00	10.10
High	5610	23.10	16.47	22.47	15.57	10.10	11.00	10.10
138	5690	23.10	15.27	21.27	14.37	10.10	11.00	10.10

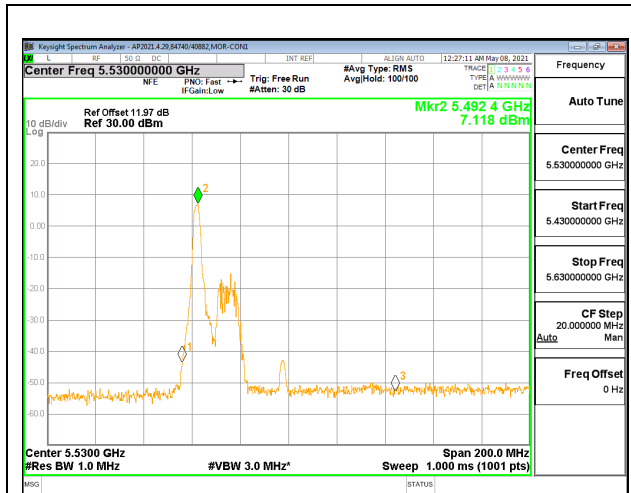
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd Power & PSD
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Output Power Results

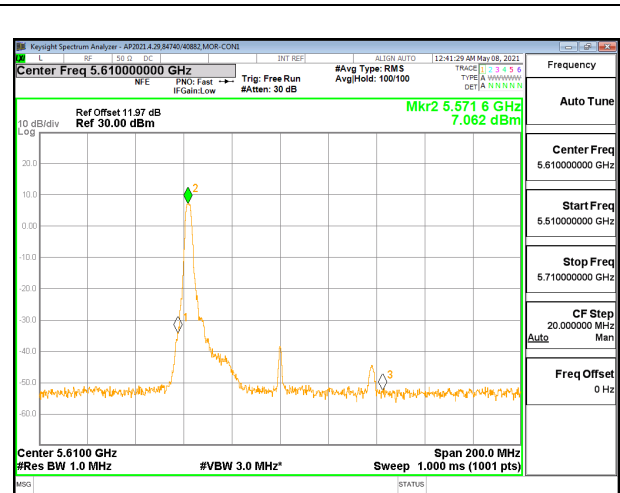
Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5530	11.950	11.95	15.46	-3.51
High	5610	12.140	12.14	15.57	-3.43
138	5690	11.700	11.70	14.37	-2.67

PSD Results

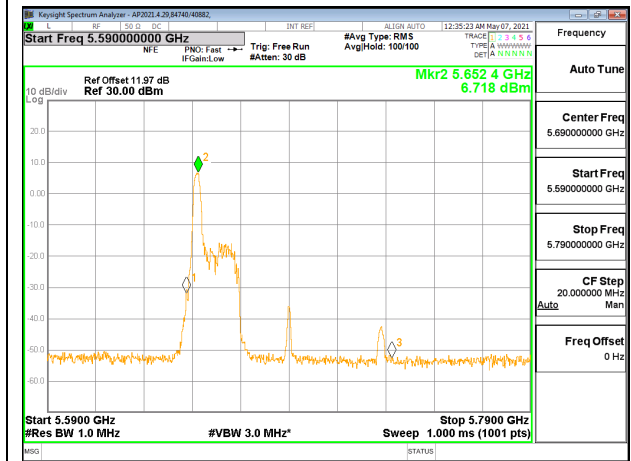
Channel	Frequency (MHz)	Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5530	7.118	7.118	10.10	-2.98
High	5610	7.062	7.062	10.10	-3.04
138	5690	6.718	6.718	10.10	-3.38



LOW CHANNEL



HIGH CHANNEL



CHANNEL 138

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1TX Antenna B OFDMA MODE: 26-Tones, RU Index 18

Test Engineer:	84740/40882
Test Date:	2021-05-03 – 2021-05-08

Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Min 99% BW (MHz)	Directional Gain (dBi)
Low	5530	38.0000	6.2127	6.90
High	5610	39.0000	5.6168	6.90
138	5690	39.0000	5.6266	6.90

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	23.10	18.93	24.93	18.03	10.10	11.00	10.10
High	5610	23.10	18.49	24.49	17.59	10.10	11.00	10.10
138	5690	23.10	18.50	24.50	17.60	10.10	11.00	10.10

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

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5530	11.830	11.83	18.03	-6.20
High	5610	11.600	11.60	17.59	-5.99
138	5690	11.370	11.37	17.60	-6.23

PSD Results

Channel	Frequency (MHz)	Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5530	5.604	5.604	10.10	-4.50
High	5610	5.842	5.842	10.10	-4.26
138	5690	6.081	6.081	10.10	-4.02