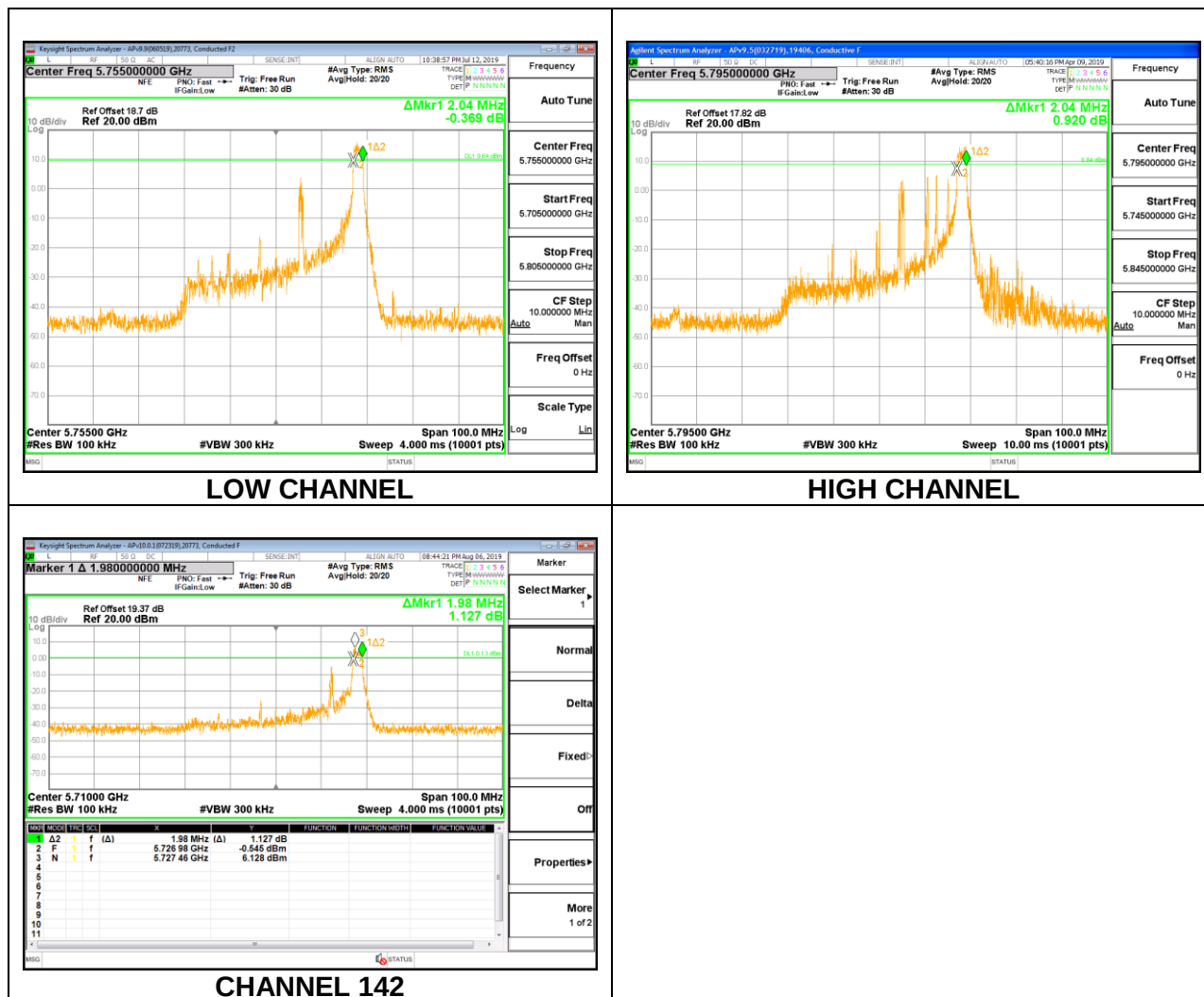


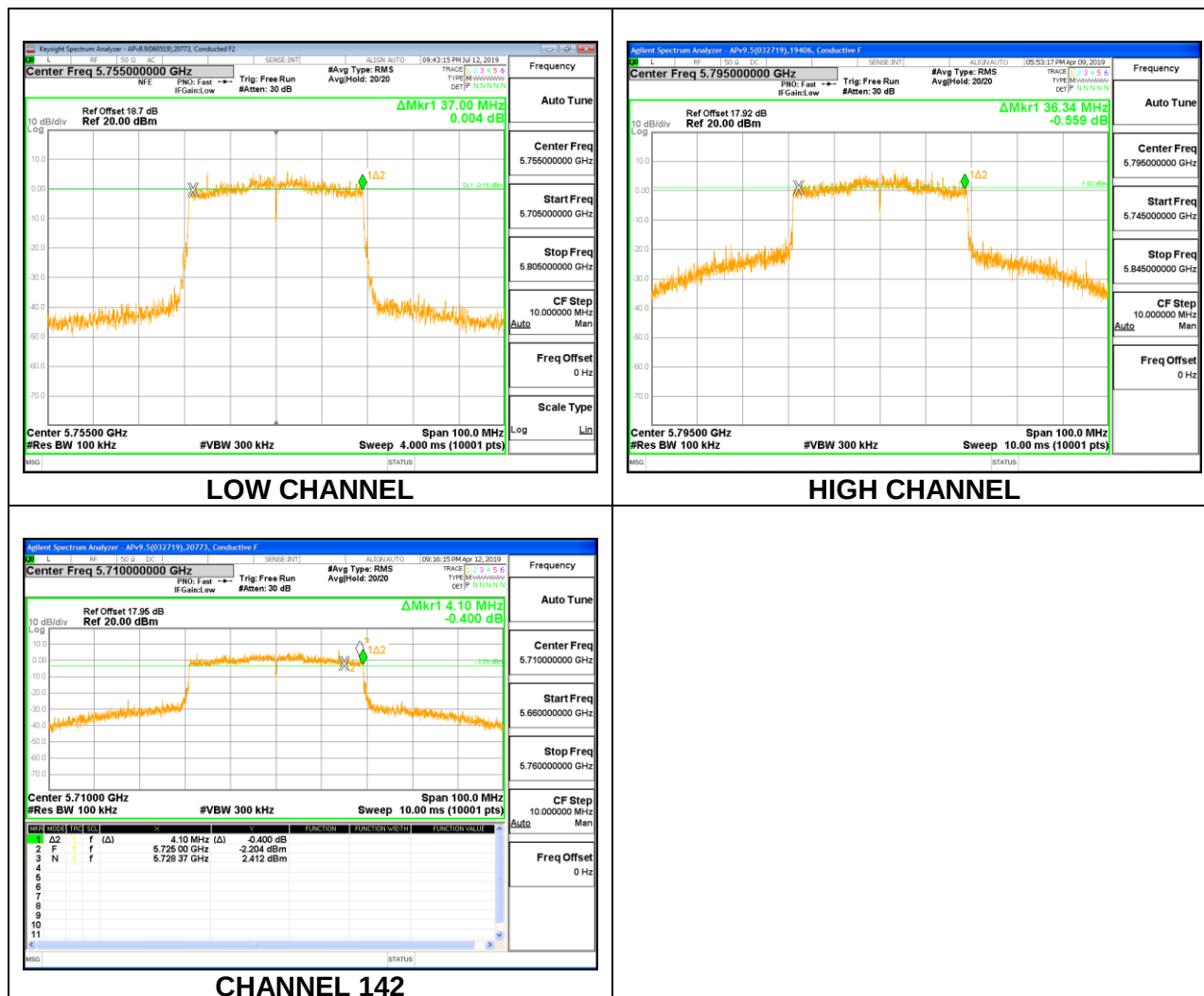
1TX Antenna 6 MODE – 26 Tones, RU Index 17

Channel	Frequency	6 dB Bandwidth	Minimum Limit
	(MHz)	(MHz)	(MHz)
Low	5755	2.040	0.5
High	5795	2.040	0.5
142	5710	1.980	0.5



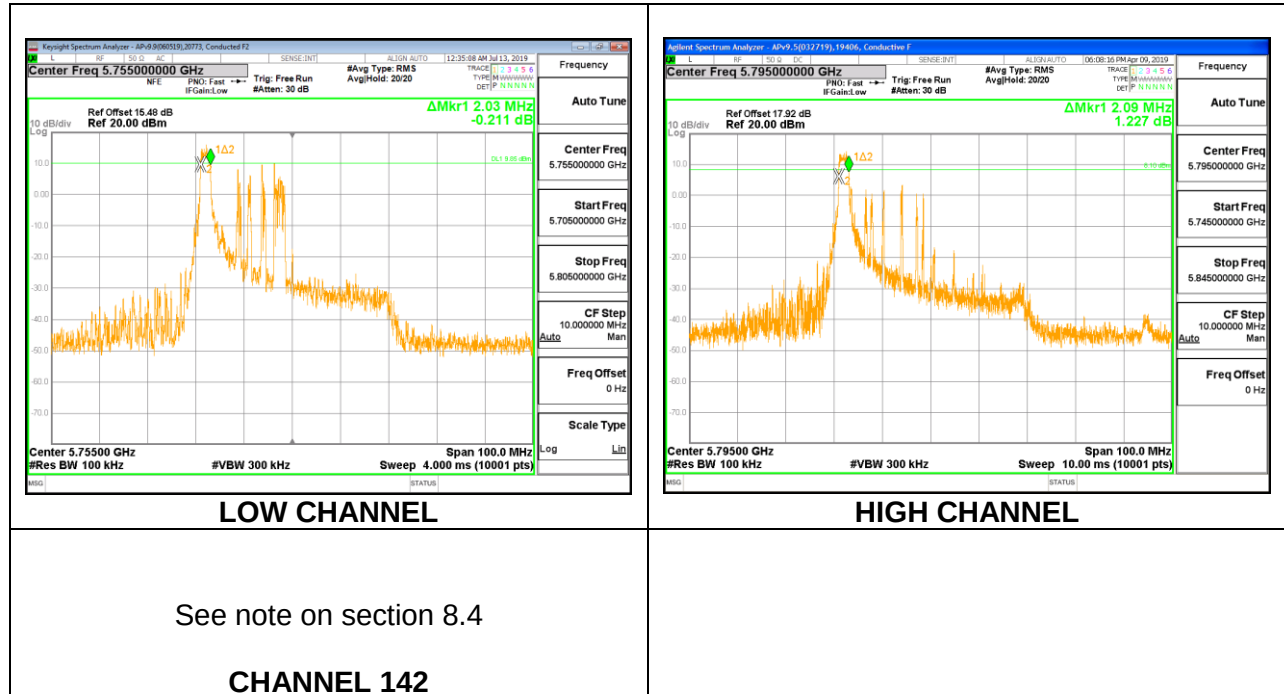
1TX Antenna 5 MODE – 484 Tones, RU Index 65

Channel	Frequency	6 dB Bandwidth	Minimum Limit
	(MHz)	(MHz)	(MHz)
Low	5755	37.000	0.5
High	5795	36.340	0.5
142	5710	4.100	0.5



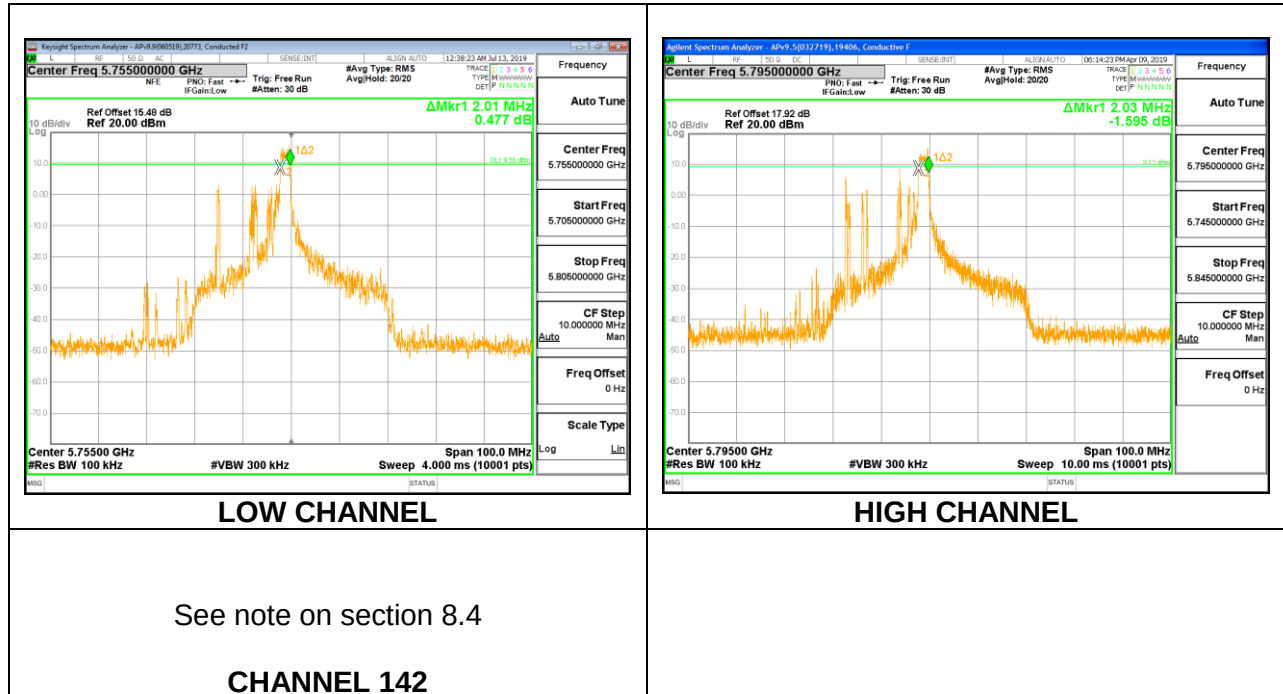
1TX Antenna 5 MODE – 26 Tones, RU Index 0

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)
Low	5755	2.030	0.5
High	5795	2.090	0.5



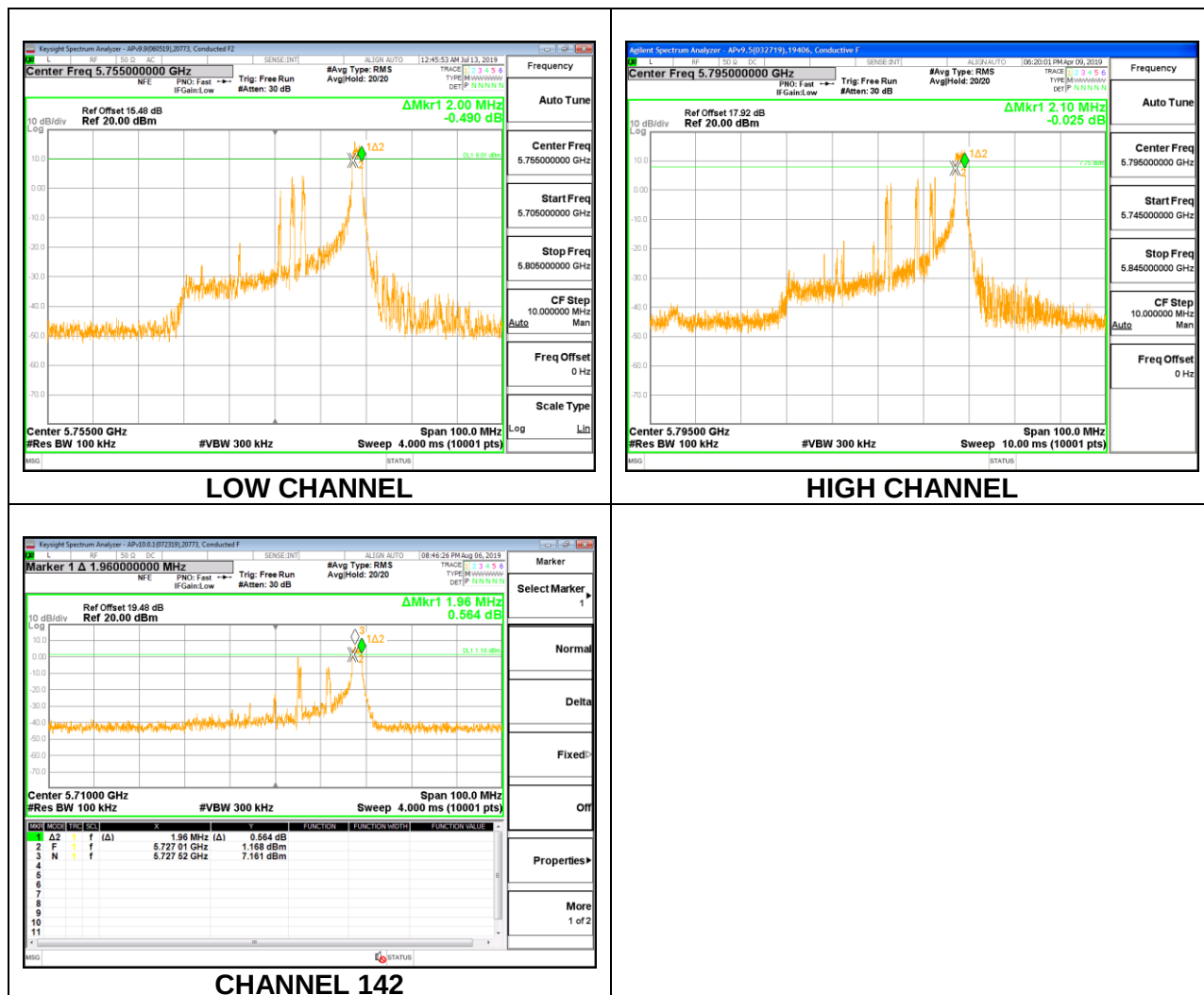
1TX Antenna 5 MODE – 26 Tones, RU Index 8

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)
Low	5755	2.010	0.5
High	5795	2.030	0.5



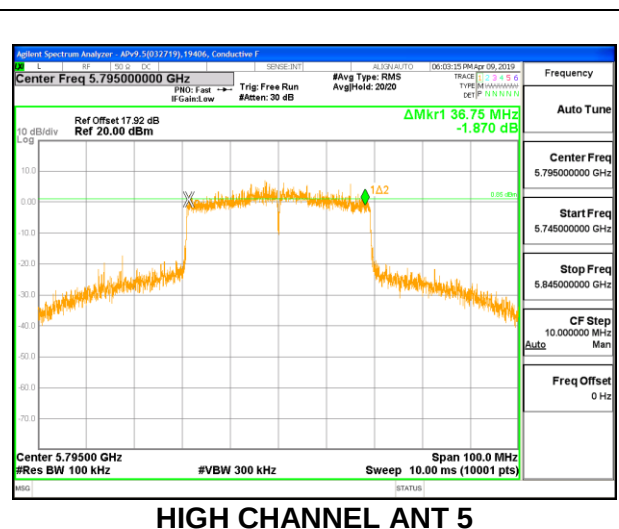
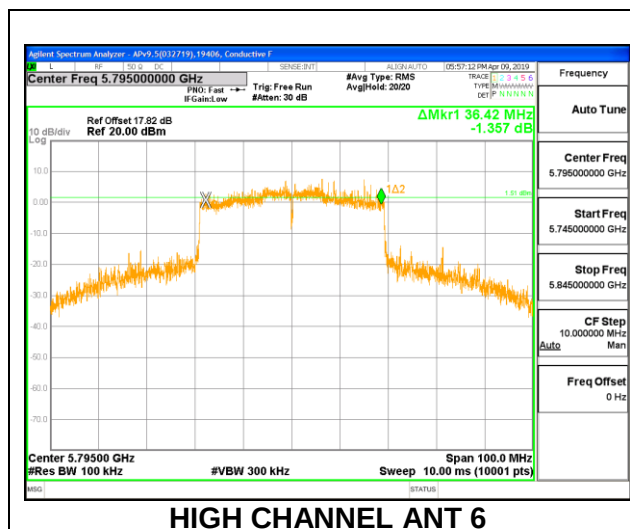
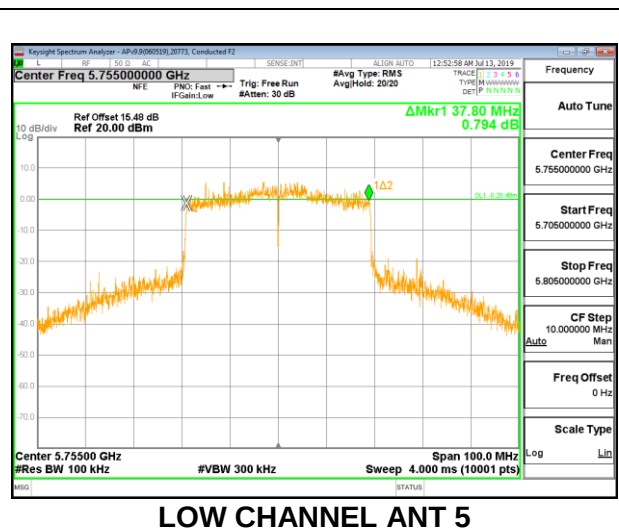
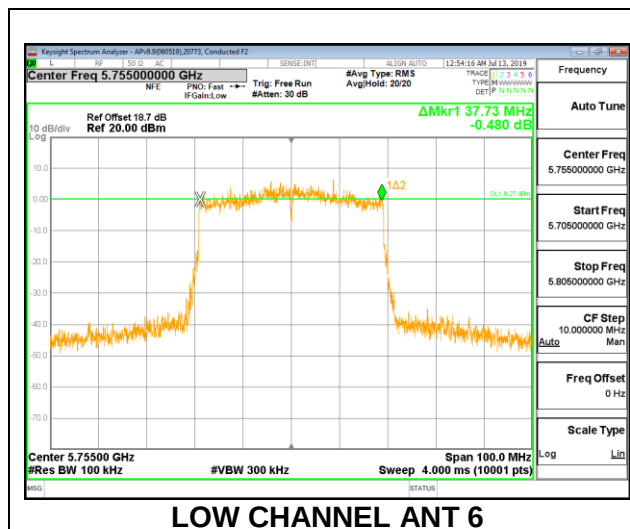
1TX Antenna 5 MODE – 26 Tones, RU Index 17

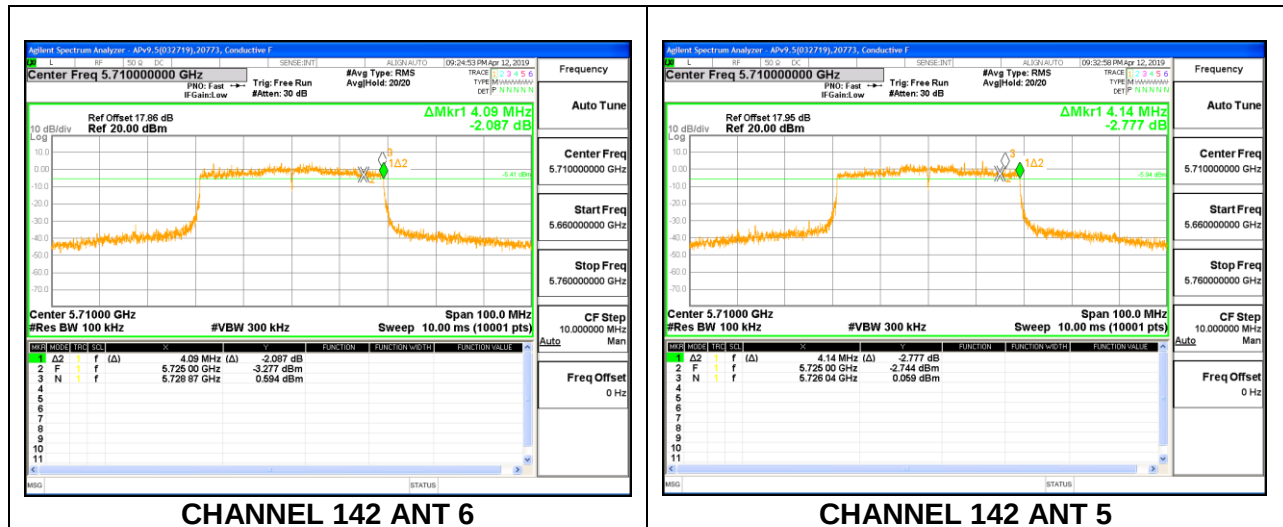
Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)
Low	5755	2.000	0.5
High	5795	2.100	0.5
142	5710	1.960	0.5



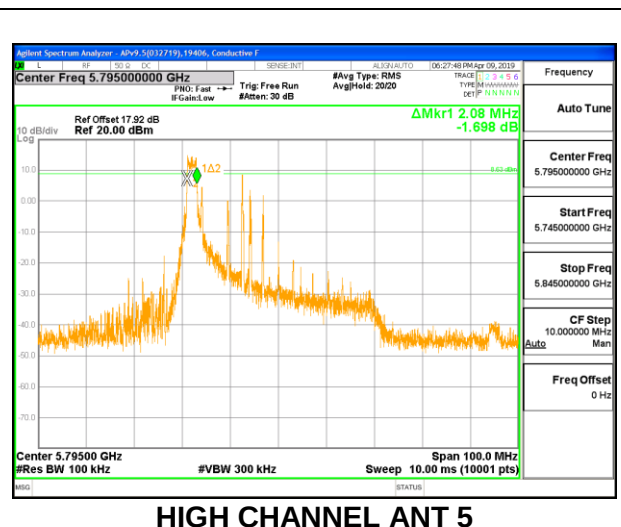
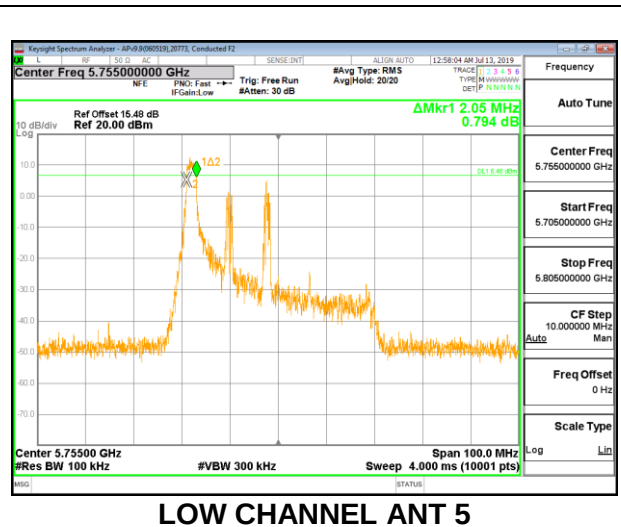
2TX Antenna 6 + Antenna 5 OFDMA MODE – 484 Tones, RU Index 65

Channel	Frequency (MHz)	6 dB BW ANT 6 (MHz)	6 dB BW ANT 5 (MHz)	Minimum Limit (MHz)
Low	5755	37.730	37.800	0.5
High	5795	36.420	36.750	0.5
142	5710	4.090	4.140	0.5





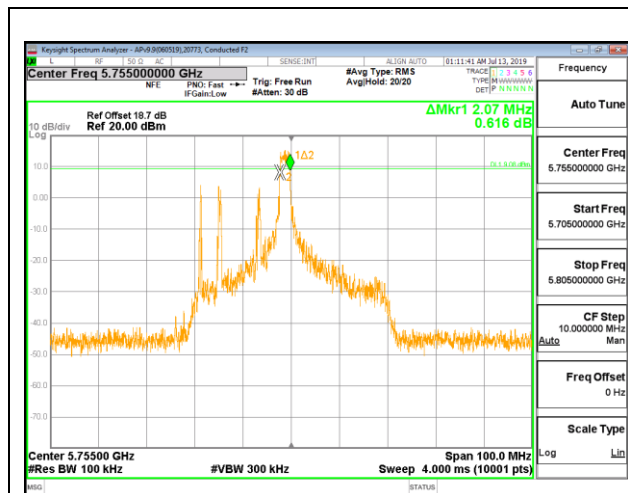
Channel	Frequency (MHz)	6 dB BW ANT 6 (MHz)	6 dB BW ANT 5 (MHz)	Minimum Limit (MHz)
Low	5755	2.030	2.050	0.5
High	5795	2.080	2.080	0.5



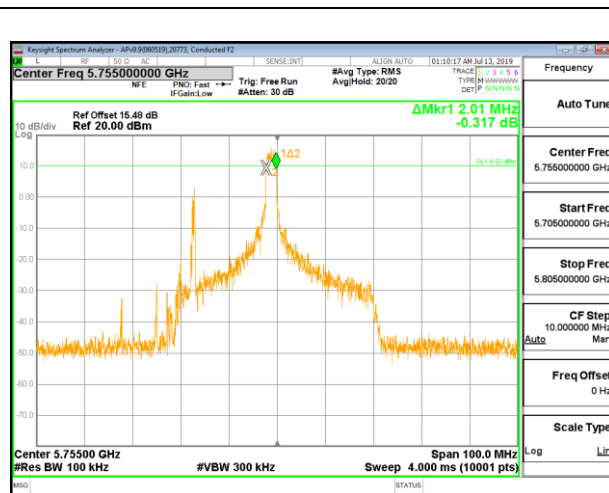
See note on section 8.4 CHANNEL 142 ANT 6	See note on section 8.4 CHANNEL 142 ANT 5
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2TX Antenna 6 + Antenna 5 OFDMA MODE – 26 Tones, RU Index 8

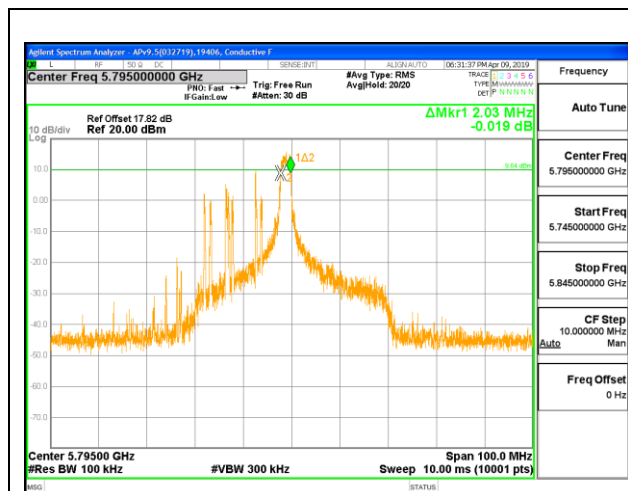
Channel	Frequency (MHz)	6 dB BW ANT 6 (MHz)	6 dB BW ANT 5 (MHz)	Minimum Limit (MHz)
Low	5755	2.07	2.01	0.5
High	5795	2.03	2.04	0.5



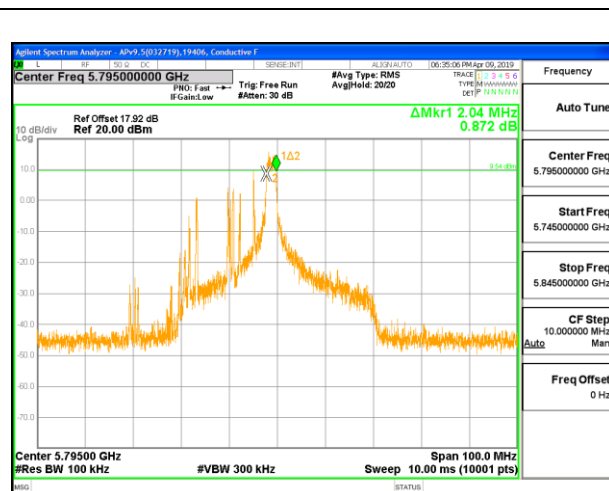
LOW CHANNEL ANT 6



LOW CHANNEL ANT 5



HIGH CHANNEL ANT 6

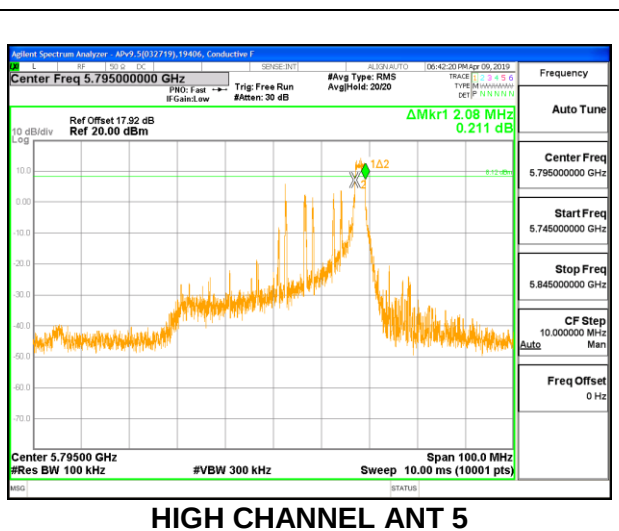
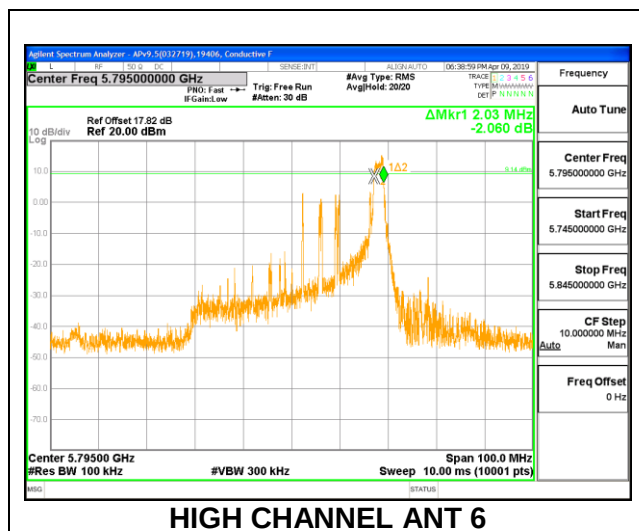
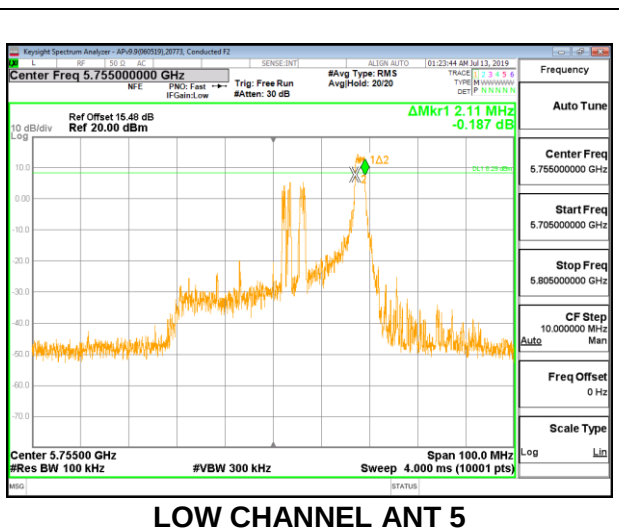
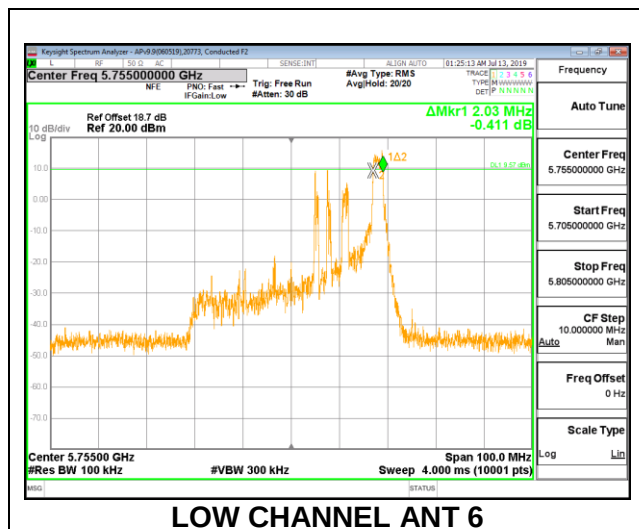


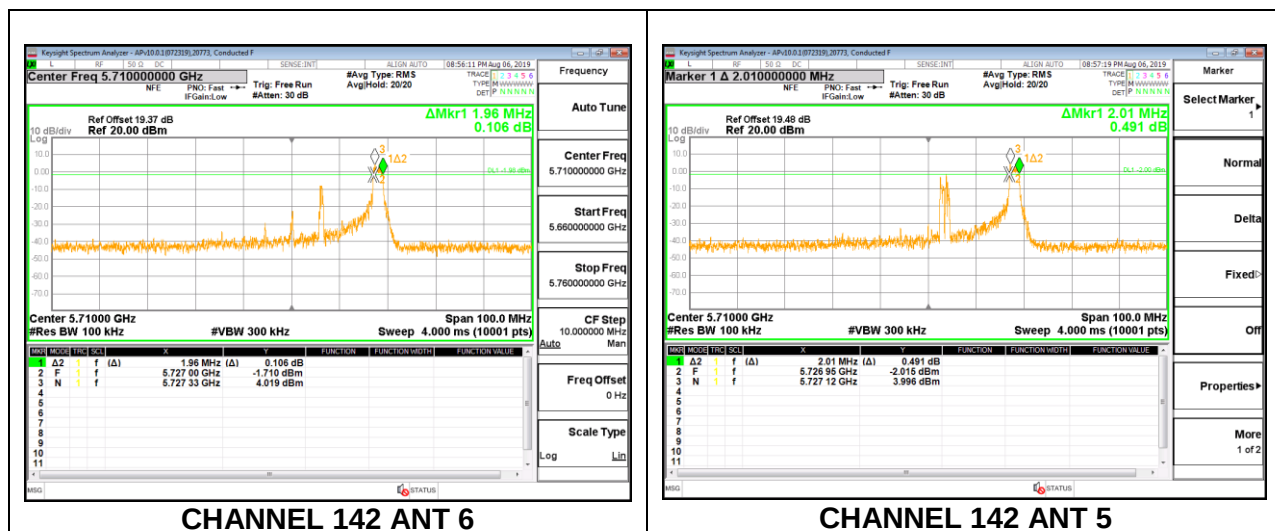
HIGH CHANNEL ANT 5

See note on section 8.4 CHANNEL 142 ANT 6	See note on section 8.4 CHANNEL 142 ANT 5
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2TX Antenna 6 + Antenna 5 OFDMA MODE – 26 Tones, RU Index 17

Channel	Frequency (MHz)	6 dB BW ANT 6 (MHz)	6 dB BW ANT 5 (MHz)	Minimum Limit (MHz)
Low	5755	2.030	2.110	0.5
High	5795	2.030	2.080	0.5
142	5710	1.960	2.010	0.5

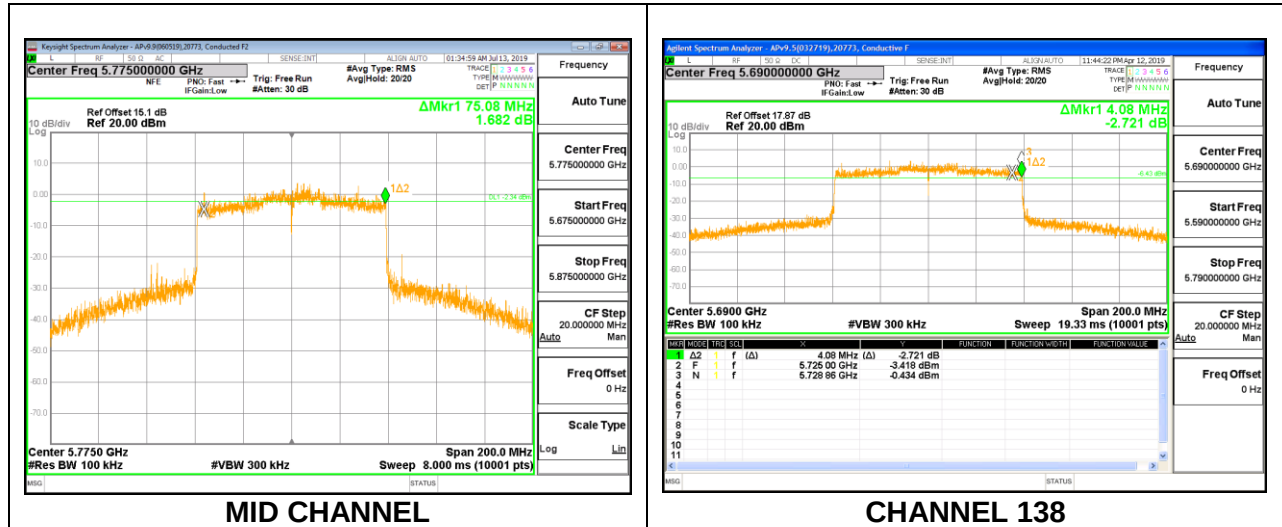




8.4.6. 802.11ax HE80 MODE IN THE 5.8 GHz BAND

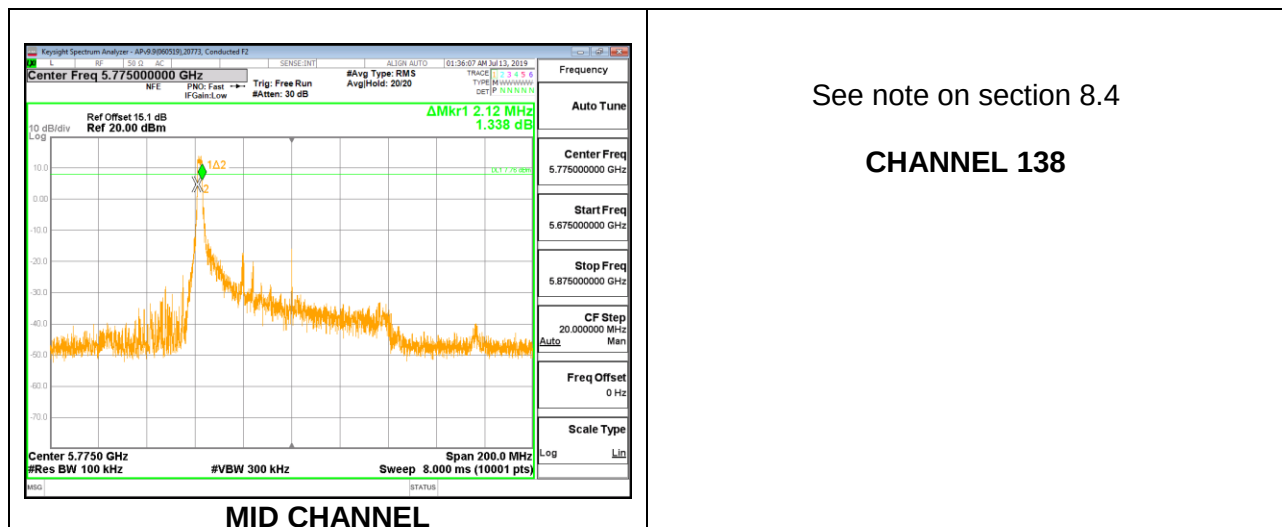
1TX Antenna 6 MODE – 996 Tones, RU Index 67

Channel	Frequency	6 dB Bandwidth	Minimum Limit
	(MHz)	(MHz)	(MHz)
Mid	5775	75.080	0.5
138	5690	4.080	0.5



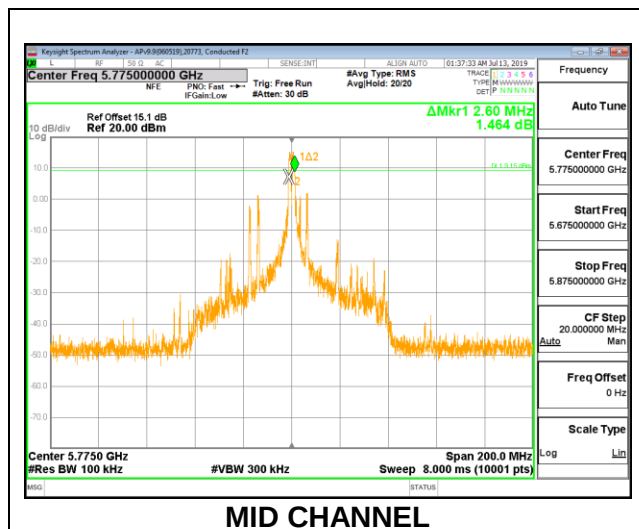
1TX Antenna 6 MODE – 26 Tones, RU Index 0

Channel	Frequency	6 dB Bandwidth	Minimum Limit
	(MHz)	(MHz)	(MHz)
Mid	5775	2.120	0.5



1TX Antenna 6 MODE – 26 Tones, RU Index 18

Channel	Frequency	6 dB Bandwidth	Minimum Limit
	(MHz)	(MHz)	(MHz)
Mid	5775	2.600	0.5

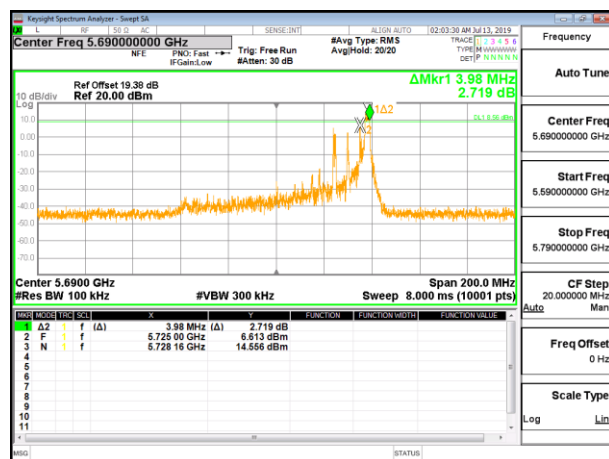
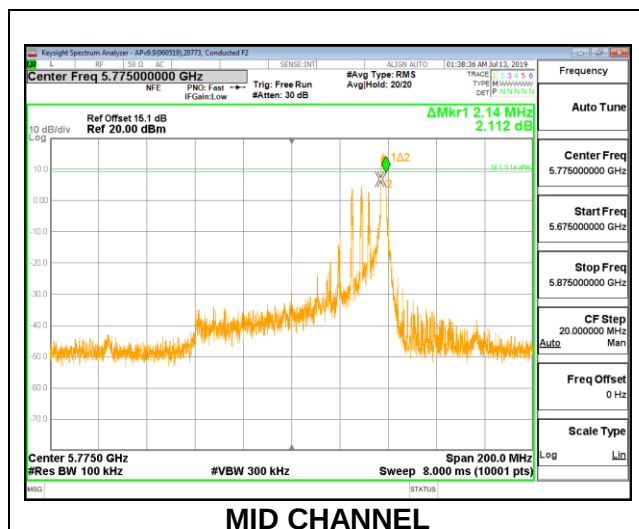


See note on section 8.4

CHANNEL 138

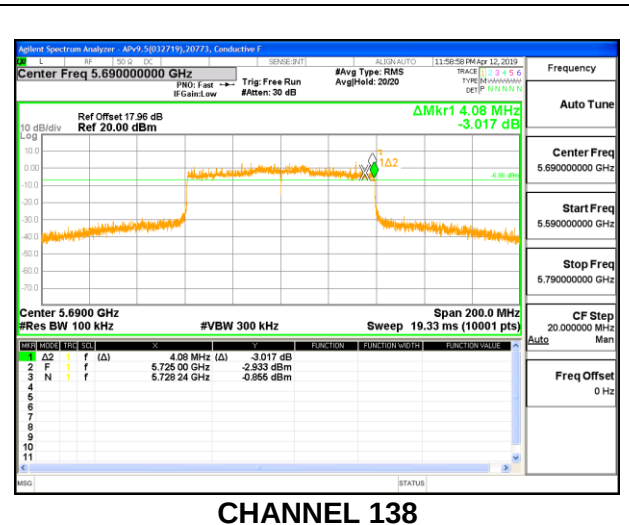
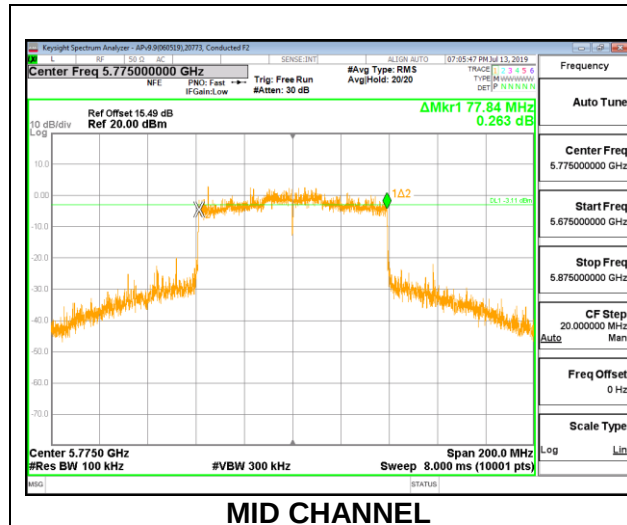
1TX Antenna 6 MODE – 26 Tones, RU Index 36

Channel	Frequency	6 dB Bandwidth	Minimum Limit
	(MHz)	(MHz)	(MHz)
Mid	5775	2.140	0.5
138	5690	3.980	0.5



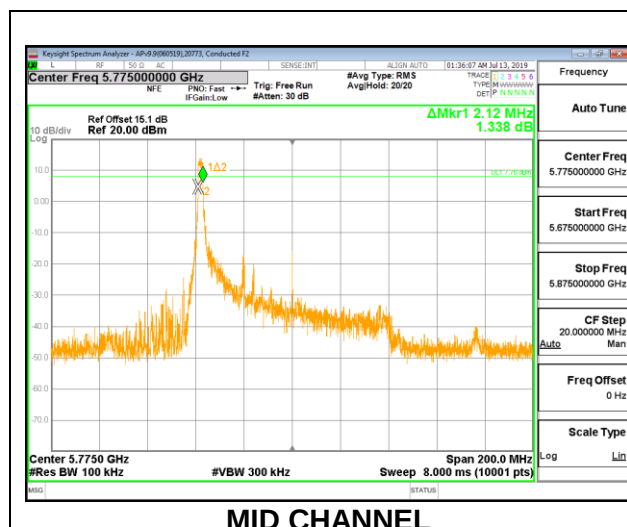
1TX Antenna 5 MODE – 996 Tones, RU Index 67

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)
Mid	5775	77.840	0.5
138	5690	4.08	0.5



1TX Antenna 5 MODE – 26 Tones, RU Index 0

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)
Mid	5775	2.120	0.5

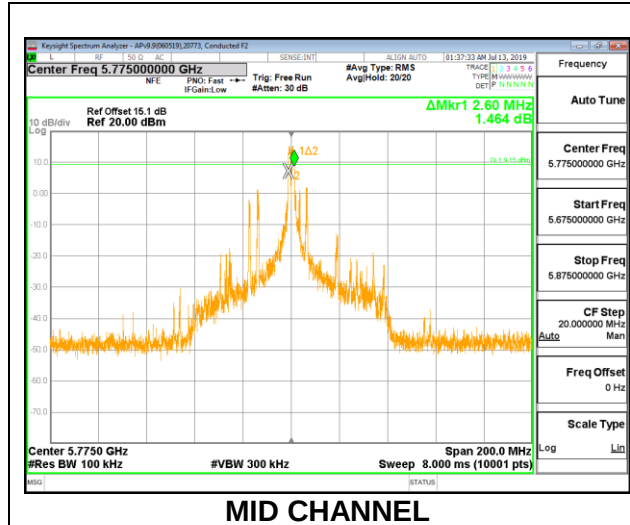


See note on section 8.4

CHANNEL 138

1TX Antenna 5 MODE – 26 Tones, RU Index 18

Channel	Frequency	6 dB Bandwidth	Minimum Limit
	(MHz)	(MHz)	(MHz)
Mid	5775	2.600	0.5

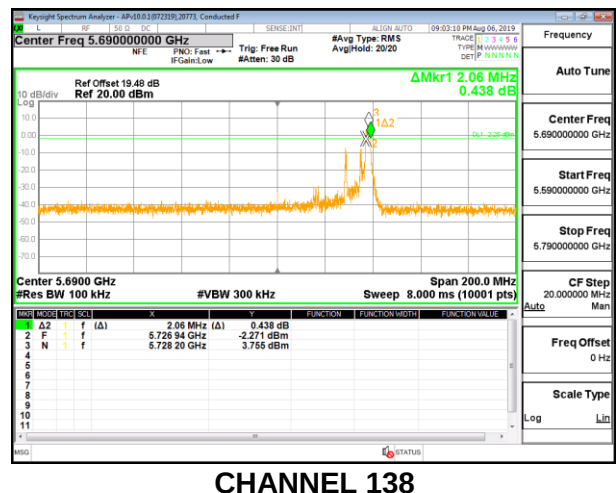
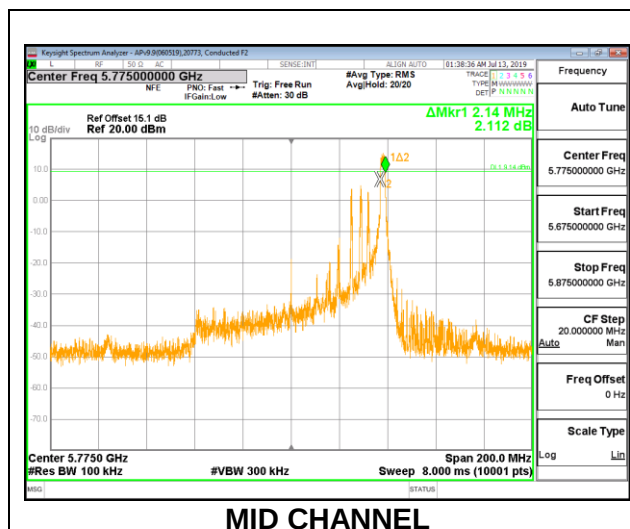


See note on section 8.4

CHANNEL 138

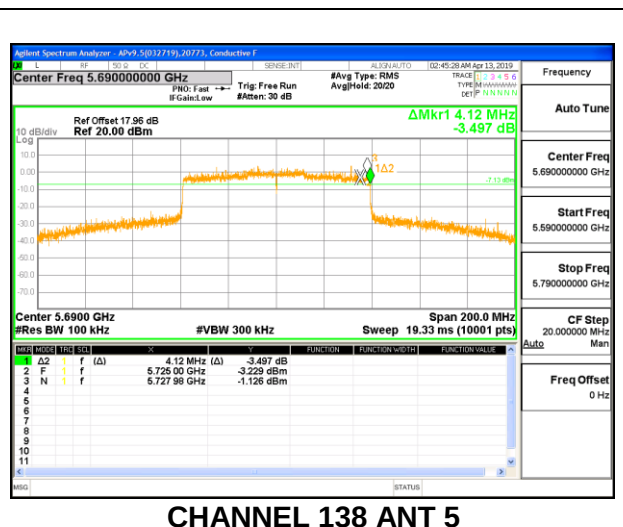
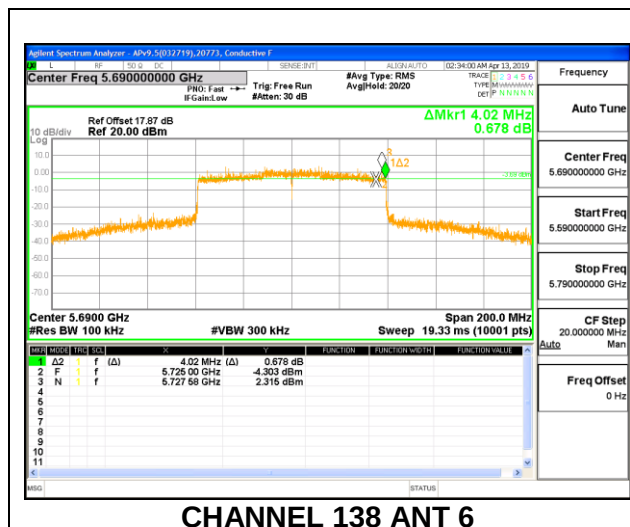
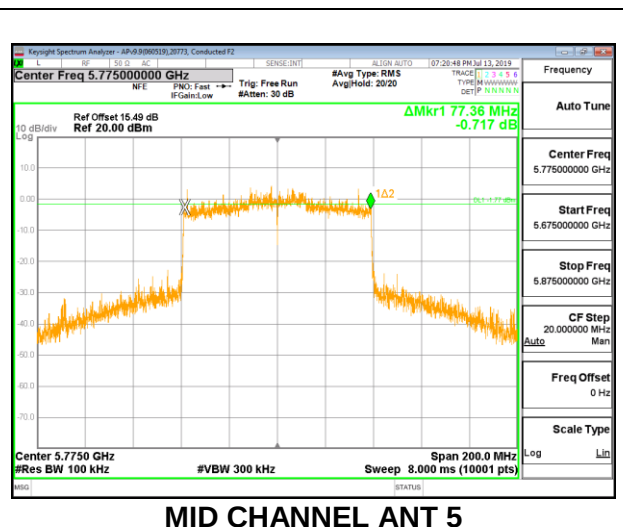
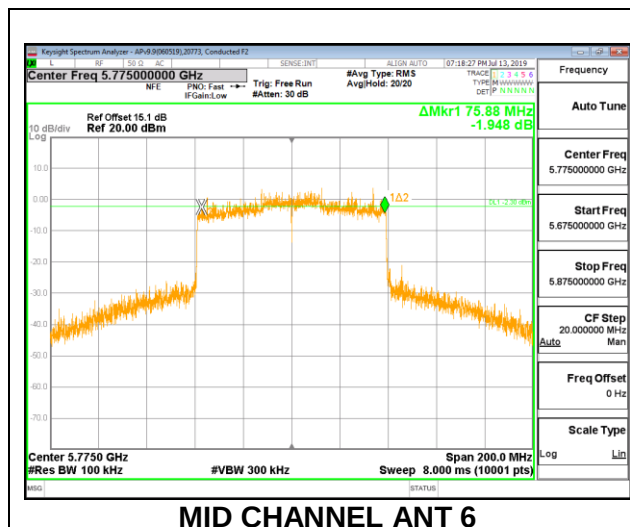
1TX Antenna 5 MODE – 26 Tones, RU Index 36

Channel	Frequency	6 dB Bandwidth	Minimum Limit
	(MHz)	(MHz)	(MHz)
Mid	5775	2.140	0.5
138	5690	2.060	0.5



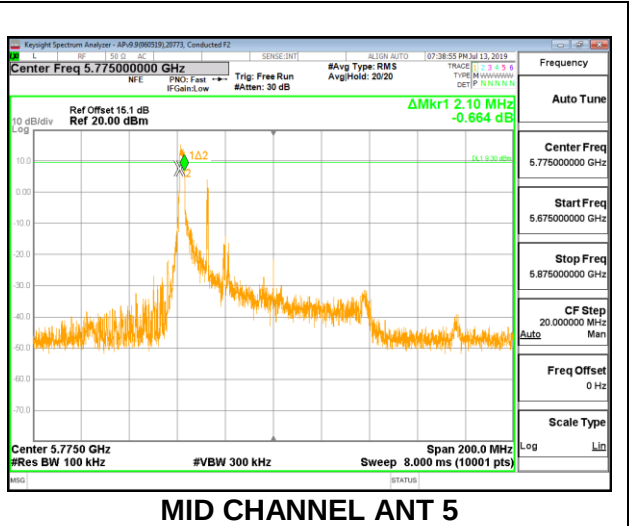
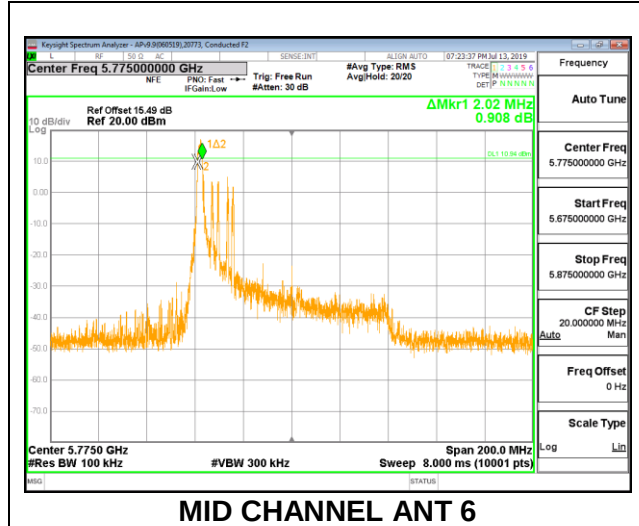
2TX Antenna 6 + Antenna 5 OFDMA MODE – 996 Tones, RU Index 67

Channel	Frequency (MHz)	6 dB BW ANT 6 (MHz)	6 dB BW ANT 5 (MHz)	Minimum Limit (MHz)
Mid	5775	75.880	77.360	0.5
138	5690	4.020	4.120	0.5



2TX Antenna 6 + Antenna 5 OFDMA MODE – 26 Tones, RU Index 0

Channel	Frequency (MHz)	6 dB BW ANT 6 (MHz)	6 dB BW ANT 5 (MHz)	Minimum Limit (MHz)
Mid	5775	2.020	2.100	0.5



See note on section 8.4
CHANNEL 138 ANT 6

See note on section 8.4
CHANNEL 138 ANT 5

Channel	Frequency (MHz)	6 dB BW ANT 6 (MHz)	6 dB BW ANT 5 (MHz)	Minimum Limit (MHz)
Mid	5775	2.620	2.600	0.5

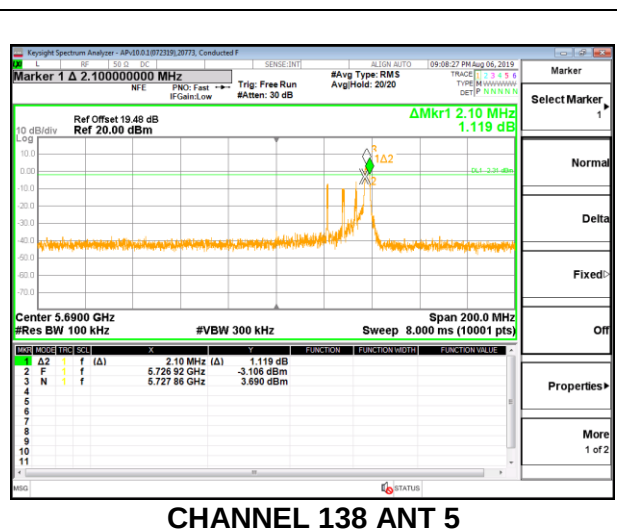
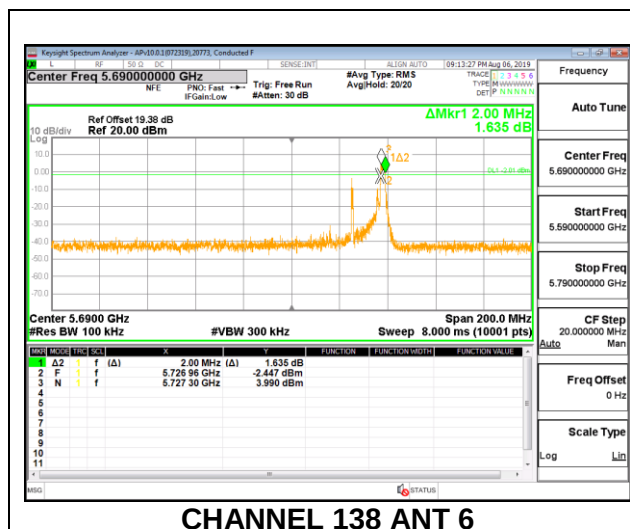
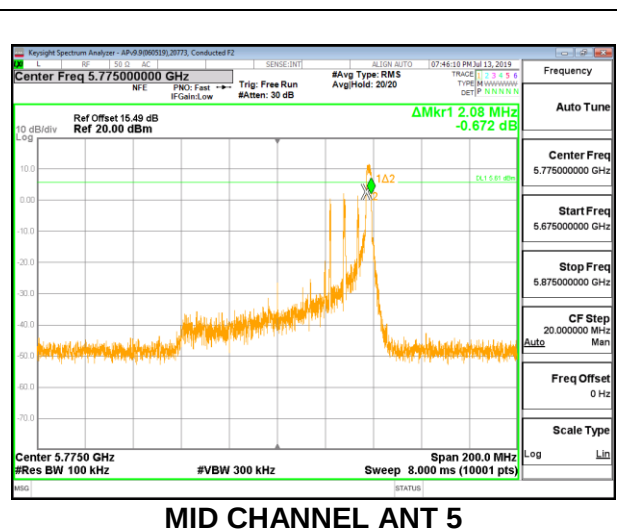
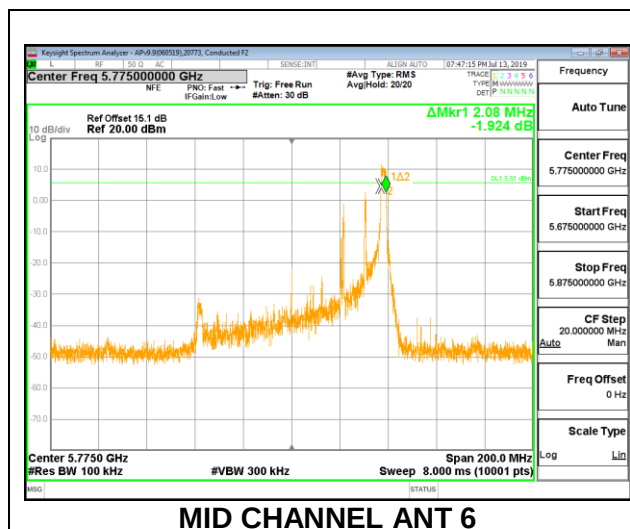


See note on section 8.4

CHANNEL 138 ANT 5

2TX Antenna 6 + Antenna 5 OFDMA MODE – 26 Tones, RU Index 36

Channel	Frequency (MHz)	6 dB BW ANT 6 (MHz)	6 dB BW ANT 5 (MHz)	Minimum Limit (MHz)
Mid	5775	2.080	2.080	0.5
138	5690	2.000	2.100	0.5



8.5. OUTPUT POWER AND PSD

LIMITS

FCC §15.407

Band 5.15–5.25 GHz

(iv) For mobile and portable client devices in the 5.15-5.25 GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250 mW provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

Bands 5.25-5.35 GHz and 5.47-5.725 GHz

The maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in megahertz. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

Band 5.725-5.85 GHz

The maximum conducted output power over the frequency band of operation shall not exceed 1 W. In addition, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. However, fixed point-to-point U-NII devices operating in this band may employ transmitting antennas with directional gain greater than 6 dBi without any corresponding reduction in transmitter conducted power. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications, and multiple collocated transmitters transmitting the same information.

TEST PROCEDURE

The measurement method used for output power is KDB 789033 D02 v02r01, Section E.3.b (Method PM-G) and for straddles channels KDB 789033 D02 v02r01, Section E.2.d (Method SA-2) was used.

The measurement method used for power spectral density is KDB 789033 D02 v02r01, Section F

11n HT20 and 11ax HE20 straddle channel 26dB bandwidth = (26dB BW/2)+5

DIRECTIONAL ANTENNA GAIN

For 1 TX:

There is only one transmitter output therefore the directional gain is equal to the antenna gain.

For 2 TX:

Tx chains are uncorrelated for power and correlated for PSD due to the device supporting CDD in all MIMO modes. The directional gains are as follows:

Band (GHz)	Antenna 6 Gain (dBi)	Antenna 5 Gain (dBi)	Uncorrelated Chains Directional Gain (dBi)	Correlated Chains Directional Gain (dBi)
5.2	-4.2	-10.7	-6.33	-3.85
5.3	-4.0	-9.7	-5.98	-3.38
5.6	-1.6	-5.9	-3.24	-0.48
5.8	-2.3	-6.2	-3.83	-1.02

RESULTS

8.5.1. 802.11n HT20 MODE IN THE 5.2 GHz BAND

1TX Antenna 6 MODE (FCC) MOBILE

Antenna Gain and Limits

Channel	Frequency (MHz)	Min 26dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Low	5180	22.00	-4.20	24.00	11.00
Mid	5200	22.10	-4.20	24.00	11.00
High	5240	22.05	-4.20	24.00	11.00

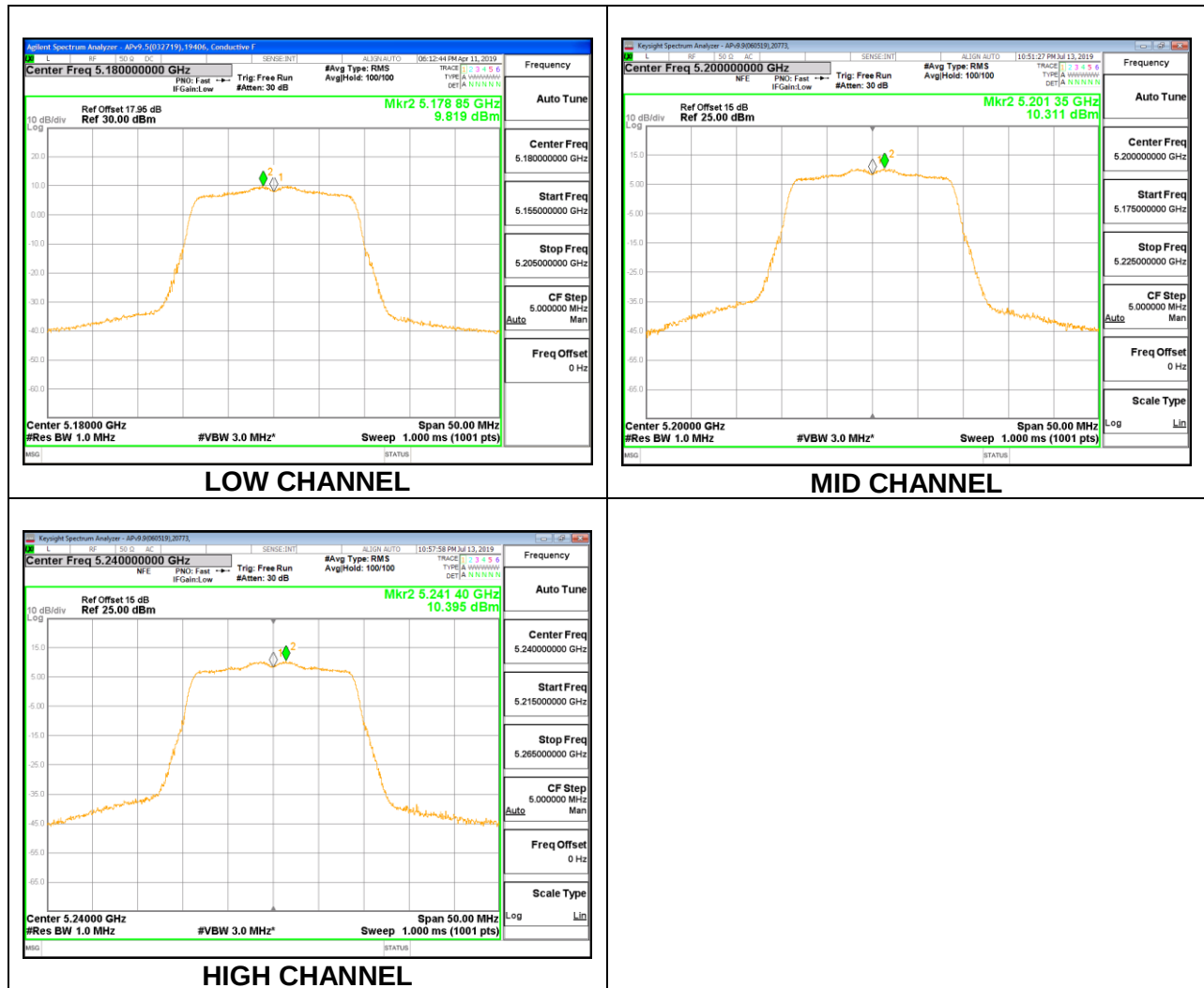
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5180	18.83	18.83	24.00	-5.17
Mid	5200	20.89	20.89	24.00	-3.11
High	5240	20.82	20.82	24.00	-3.18

PSD Results

Channel	Frequency (MHz)	Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5180	9.82	9.82	11.00	-1.18
Mid	5200	10.31	10.31	11.00	-0.69
High	5240	10.40	10.40	11.00	-0.61



1TX Antenna 5 MODE (FCC) MOBILE

Antenna Gain and Limits

Channel	Frequency (MHz)	Min 26dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Low	5180	22.00	-10.70	24.00	11.00
Mid	5200	22.10	-10.70	24.00	11.00
High	5240	22.15	-10.70	24.00	11.00

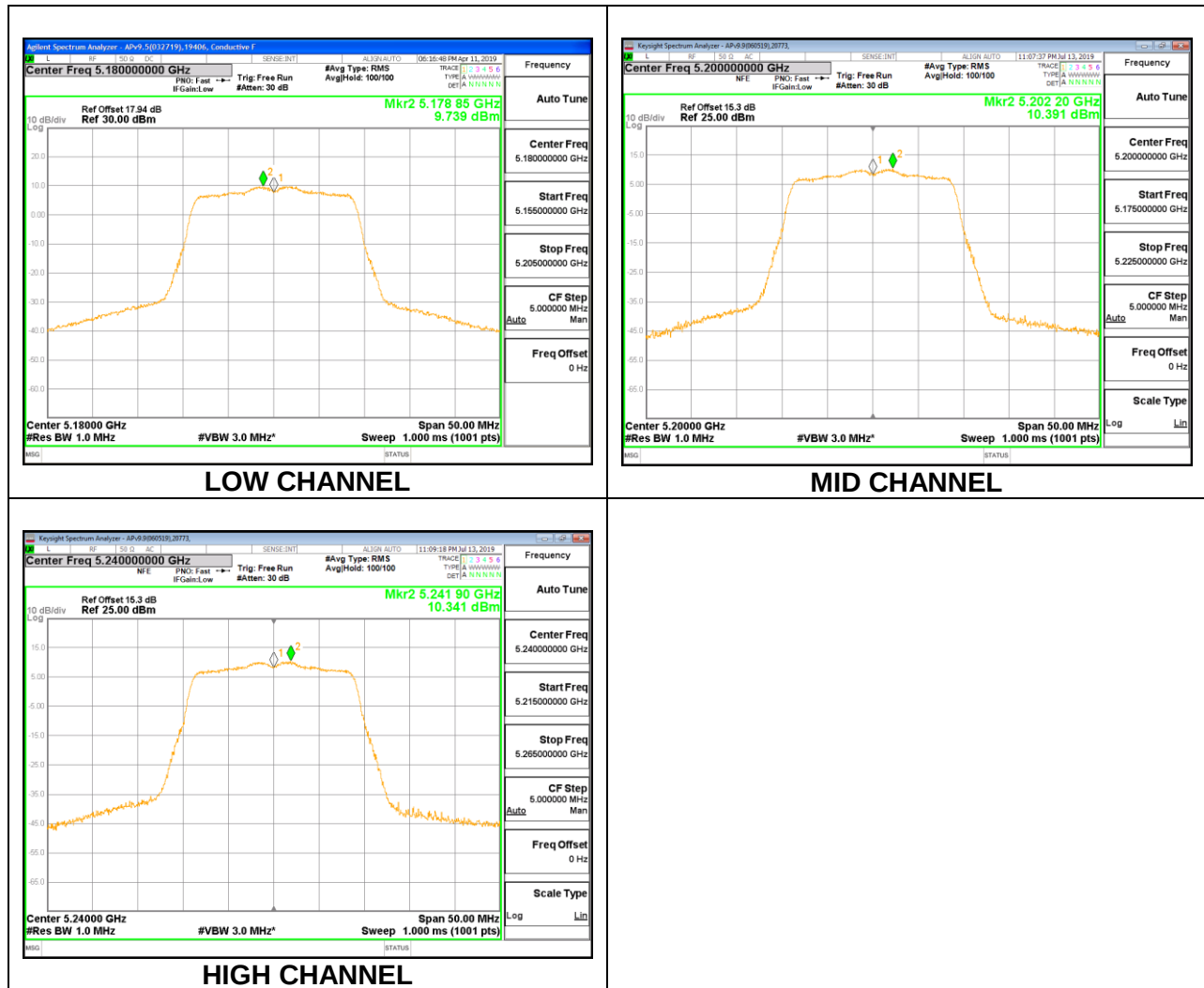
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5180	18.90	18.90	24.00	-5.10
Mid	5200	20.84	20.84	24.00	-3.16
High	5240	20.97	20.97	24.00	-3.03

PSD Results

Channel	Frequency (MHz)	Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5180	9.74	9.74	11.00	-1.26
Mid	5200	10.39	10.39	11.00	-0.61
High	5240	10.34	10.34	11.00	-0.66



2TX Antenna 6 + Antenna 5 CDD MODE (FCC) MOBILE

Antenna Gain and Limits

Channel	Frequency (MHz)	Min 26dB BW (MHz)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Low	5180	21.80	-3.85	8.20	11.00
Mid	5200	21.80	-3.85	8.20	11.00
High	5240	21.60	-3.85	8.40	11.00

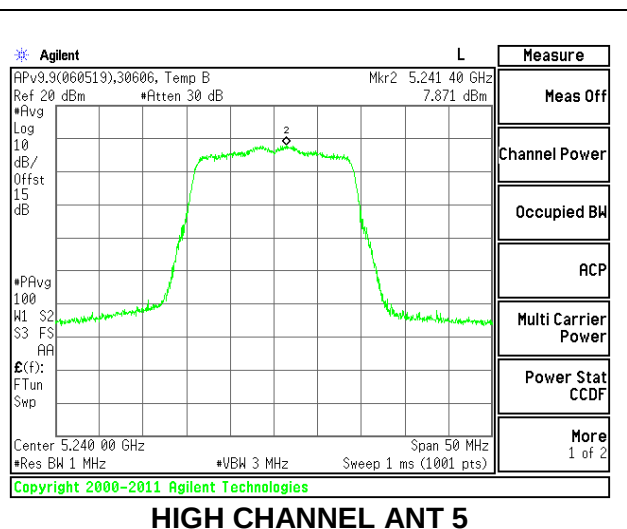
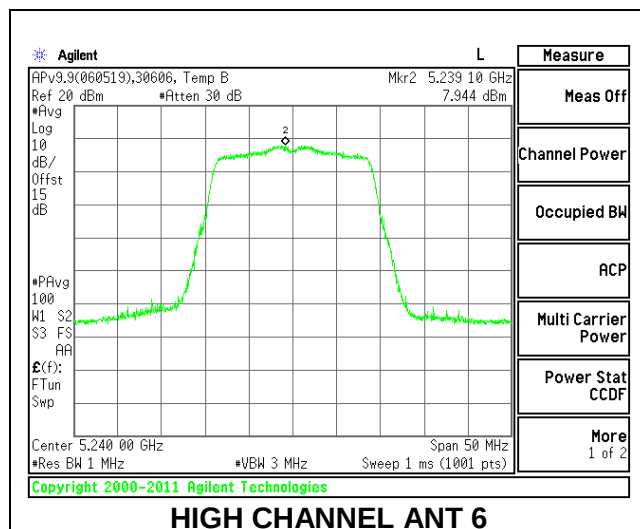
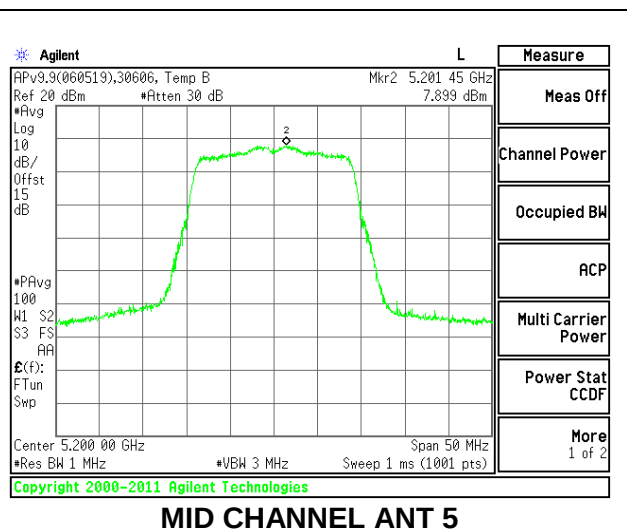
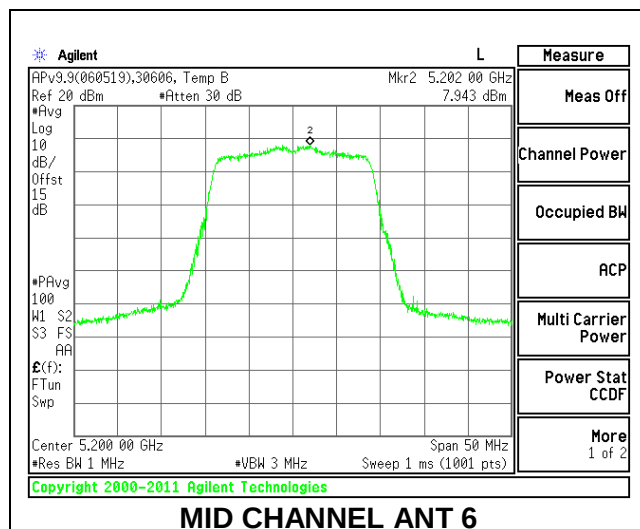
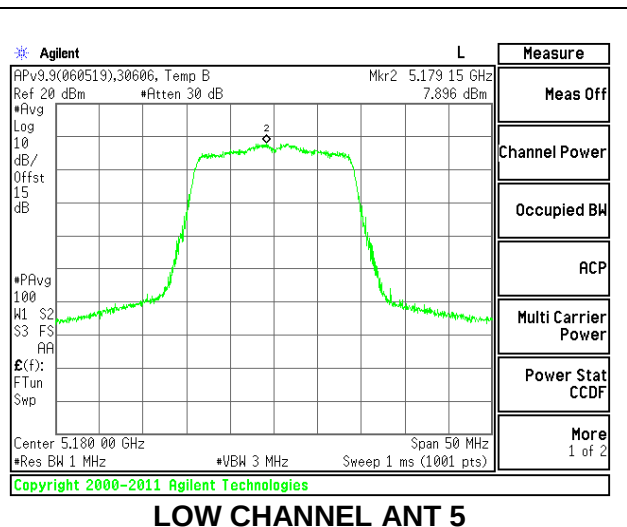
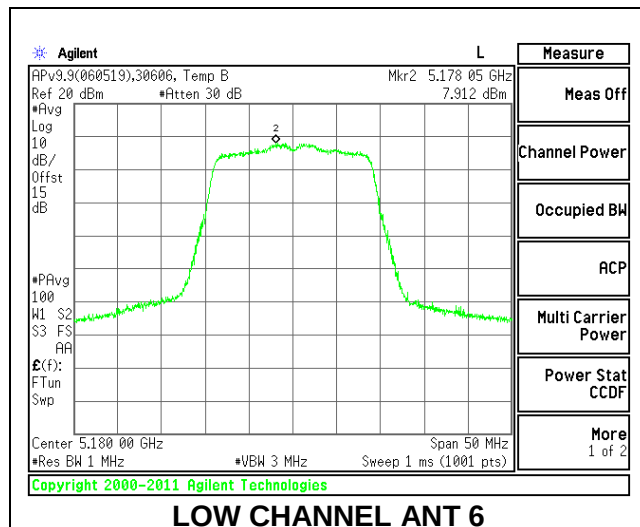
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd Power & PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5180	17.90	17.95	20.94	8.20	12.74
Mid	5200	17.88	17.94	20.92	8.20	12.72
High	5240	17.93	17.99	20.97	8.40	12.57

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/1MHz)	Antenna 5 Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5180	7.91	7.90	10.91	11.00	-0.09
Mid	5200	7.94	7.90	10.93	11.00	-0.07
High	5240	7.94	7.87	10.92	11.00	-0.08



8.5.2. 802.11n HT40 MODE IN THE 5.2 GHz BAND

1TX Antenna 6 MODE (FCC) MOBILE

Antenna Gain and Limits

Channel	Frequency (MHz)	Min 26dB BW (MHz)	Directional Gain for Power (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Low	5190	42.10	-4.20	24.00	11.00
High	5230	42.50	-4.20	24.00	11.00

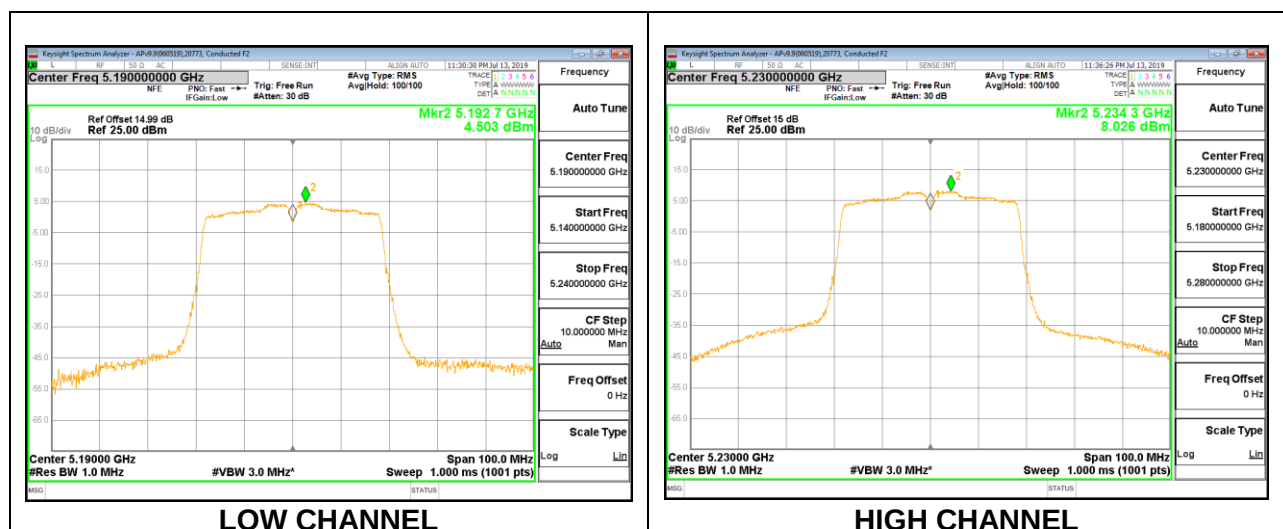
Duty Cycle CF (dB)	0.09	Included in Calculations of Corr'd Power & PSD
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Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5190	17.41	17.41	24.00	-6.59
High	5230	21.39	21.39	24.00	-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	5190	4.50	4.59	11.00	-6.41
High	5230	8.03	8.12	11.00	-2.88



1TX Antenna 5 MODE (FCC) MOBILE

Antenna Gain and Limits

Channel	Frequency (MHz)	Min 26dB BW (MHz)	Directional Gain for Power (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Low	5190	42.00	-10.70	24.00	11.00
High	5230	42.10	-10.70	24.00	11.00

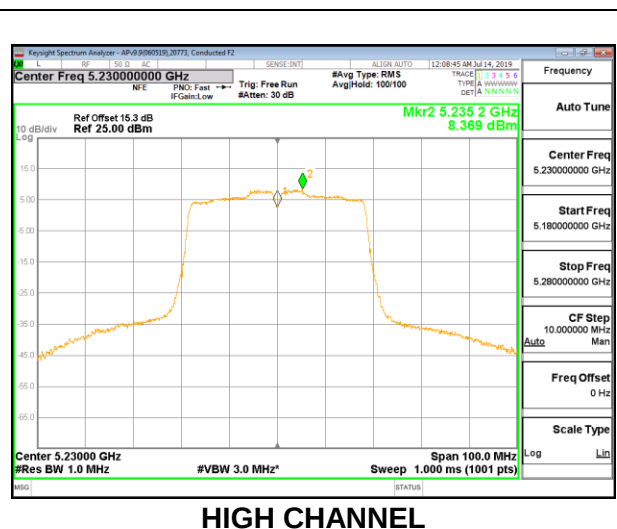
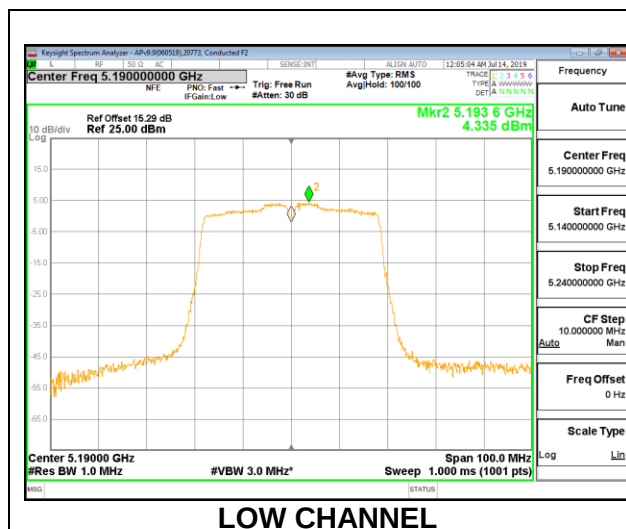
Duty Cycle CF (dB)	0.09	Included in Calculations of Corr'd Power & PSD
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Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5190	17.47	17.47	24.00	-6.53
High	5230	21.38	21.38	24.00	-2.62

PSD Results

Channel	Frequency (MHz)	Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5190	4.34	4.43	11.00	-6.58
High	5230	8.37	8.46	11.00	-2.54



2TX Antenna 6 + Antenna 5 CDD MODE (FCC) MOBILE

Antenna Gain and Limits

Channel	Frequency (MHz)	Min 26dB BW (MHz)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Low	5190	41.50	-3.85	-11.50	11.00
High	5230	41.70	-3.85	-11.70	11.00

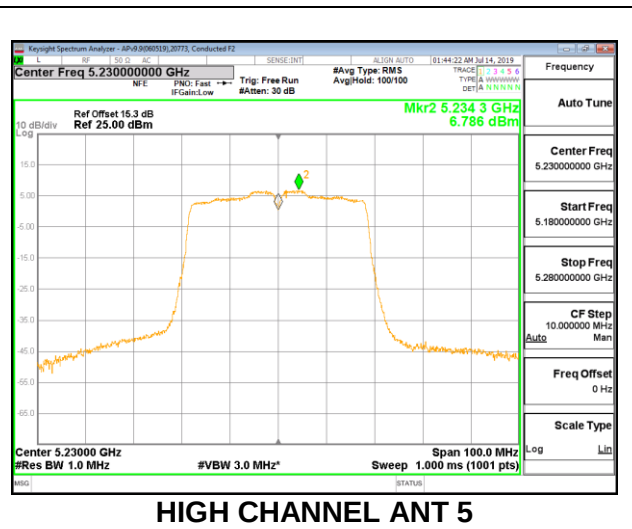
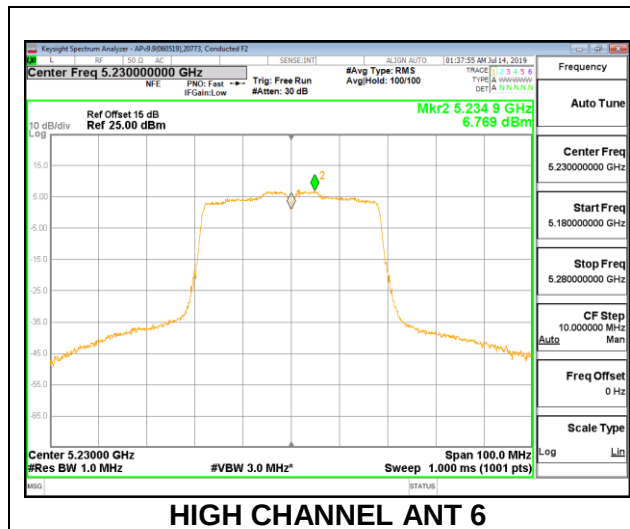
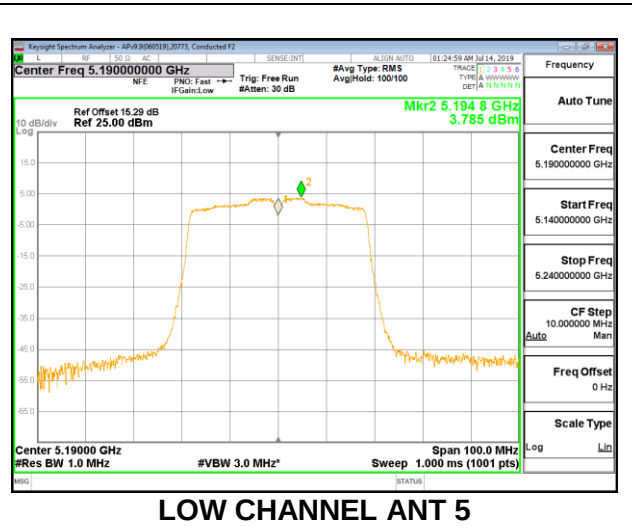
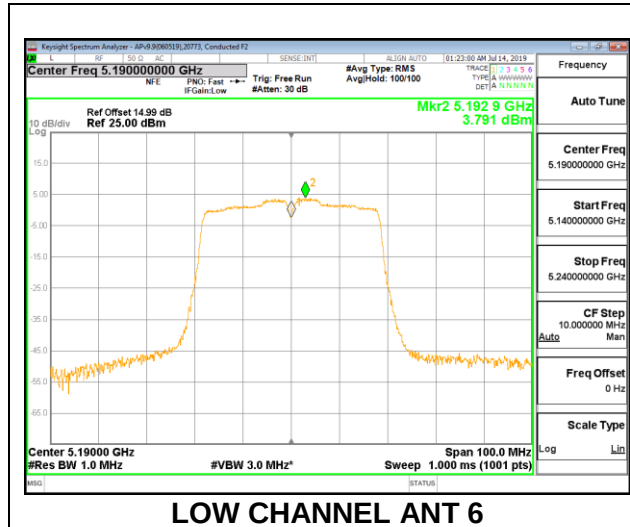
Duty Cycle CF (dB)	0.09	Included in Calculations of Corr'd Power & PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5190	16.80	16.83	19.92	-11.50	31.42
High	5230	19.84	19.86	22.95	-11.70	34.65

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/ 1MHz)	Antenna 5 Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5190	3.79	3.79	6.89	11.00	-4.11
High	5230	6.77	6.79	9.88	11.00	-1.12



8.5.3. 802.11ac VHT80 MODE IN THE 5.2 GHz BAND

1TX Antenna 6 MODE (FCC) MOBILE

Antenna Gain and Limits

Channel	Frequency (MHz)	Min 26dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Mid	5210	84.20	-4.20	24.00	11.00

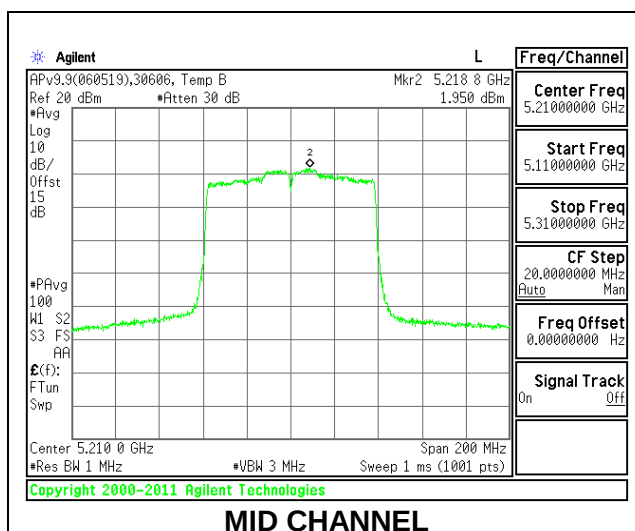
Duty Cycle CF (dB)	0.19	Included in Calculations of Corr'd Power & PSD
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Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5210	17.45	17.45	24.00	-6.55

PSD Results

Channel	Frequency (MHz)	Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Mid	5210	1.95	2.14	11.00	-8.86



1TX Antenna 5 MODE (FCC) MOBILE

Antenna Gain and Limits

Channel	Frequency (MHz)	Min 26dB BW (MHz)	Directional Gain (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Mid	5210	85.80	-10.70	24.00	11.00

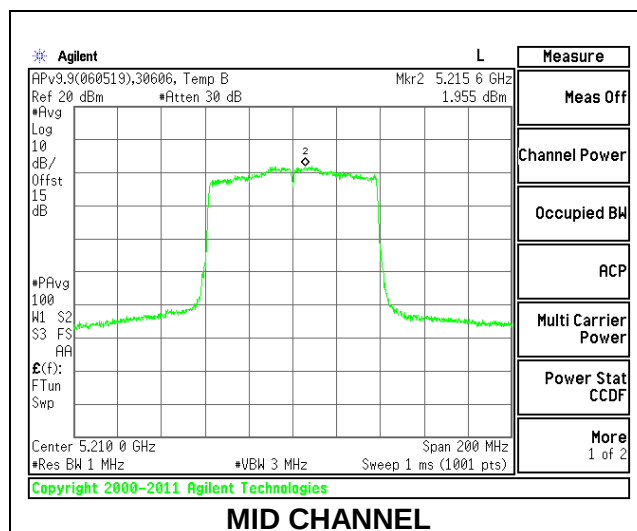
Duty Cycle CF (dB)	0.19	Included in Calculations of Corr'd Power & PSD
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Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5210	17.47	17.47	24.00	-6.53

PSD Results

Channel	Frequency (MHz)	Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Mid	5210	1.96	2.15	11.00	-8.86



2TX Antenna 6 + Antenna 5 CDD MODE (FCC) MOBILE

Antenna Gain and Limits

Channel	Frequency (MHz)	Min 26dB BW (MHz)	Directional Gain for PSD (dBi)	Power Limit (dBm)	PSD Limit (dBm/ 1MHz)
Mid	5210	84.00	-3.85	-54.00	11.00

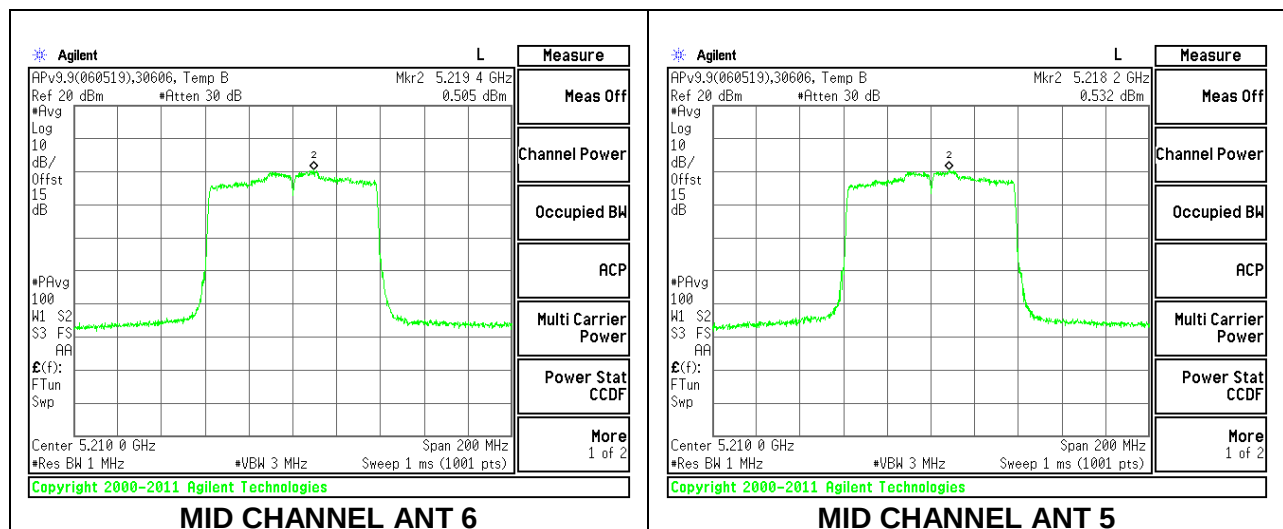
Duty Cycle CF (dB)	0.19	Included in Calculations of Corr'd Power & PSD
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Output Power Results

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5210	16.38	16.44	19.61	-54.00	73.61

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/ 1MHz)	Antenna 5 Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Mid	5210	0.51	0.53	3.72	11.00	-7.28



8.5.4. 802.11ax HE20 MODE IN THE 5.2 GHz BAND

1TX Antenna 6 MODE (FCC) MOBILE – 242 Tones, RU Index 61

Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 26dB BW (MHz)	Directional Gain (dBi)
Low	5180	22.00	-4.20
Mid	5200	21.85	-4.20
High	5240	22.00	-4.20

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)
Low	5180	24.00	23.00	27.20	24.00	11.00	10.00	11.00
Mid	5200	24.00	23.00	27.20	24.00	11.00	10.00	11.00
High	5240	24.00	23.00	27.20	24.00	11.00	10.00	11.00

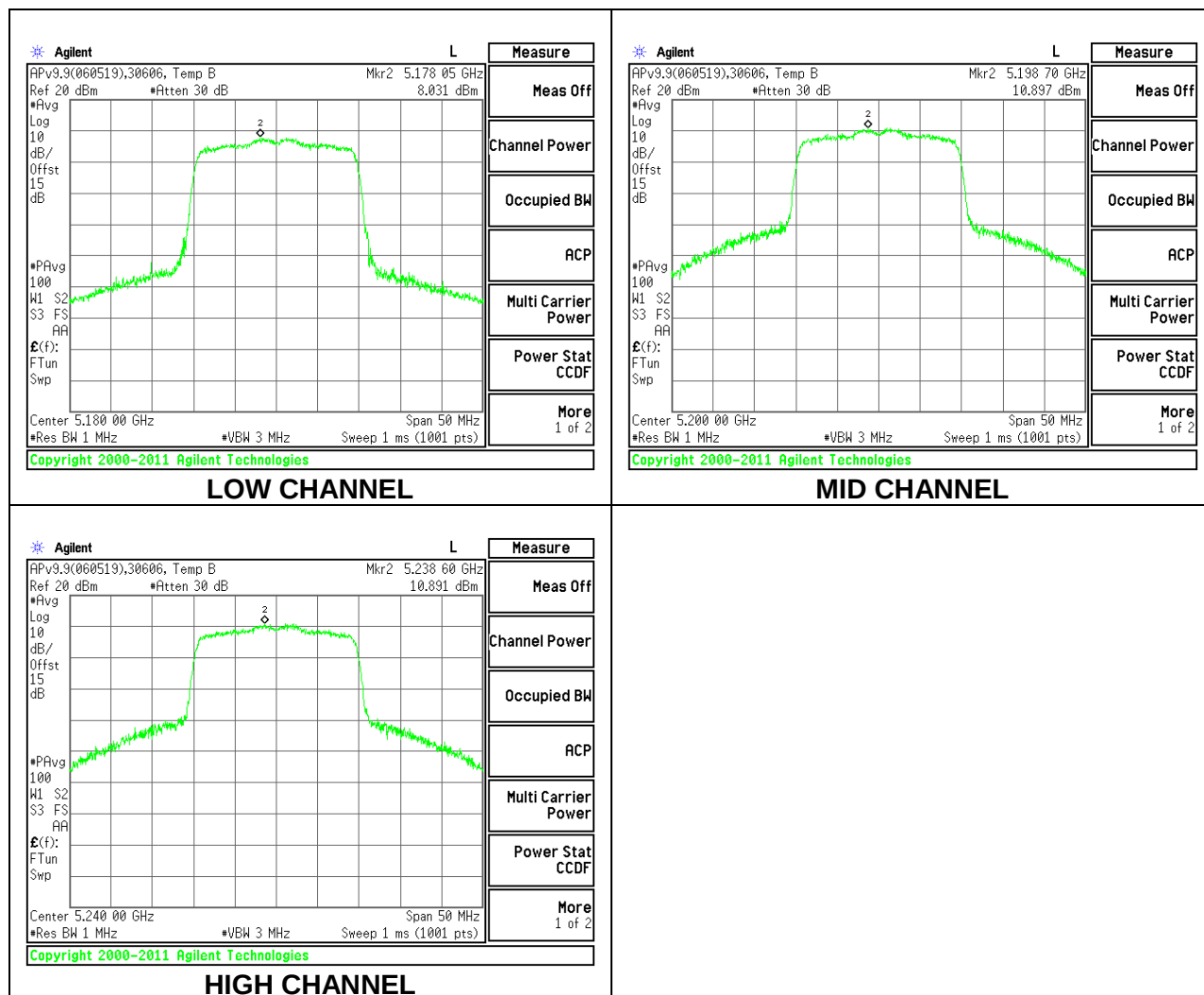
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5180	17.88	17.88	24.00	-6.12
Mid	5200	20.89	20.89	24.00	-3.11
High	5240	20.91	20.91	24.00	-3.09

PSD Results

Channel	Frequency (MHz)	Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5180	8.03	8.03	11.00	-2.97
Mid	5200	10.90	10.90	11.00	-0.10
High	5240	10.89	10.89	11.00	-0.11



1TX Antenna 6 MODE (FCC) MOBILE – 26 Tones, RU Index 0

Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 26dB BW (MHz)	Directional Gain (dBi)
Low	5180	20.55	-4.20
Mid	5200	20.45	-4.20
High	5240	20.50	-4.20

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)
Low	5180	24.00	23.00	27.20	24.00	11.00	10.00	11.00
Mid	5200	24.00	23.00	27.20	24.00	11.00	10.00	11.00
High	5240	24.00	23.00	27.20	24.00	11.00	10.00	11.00

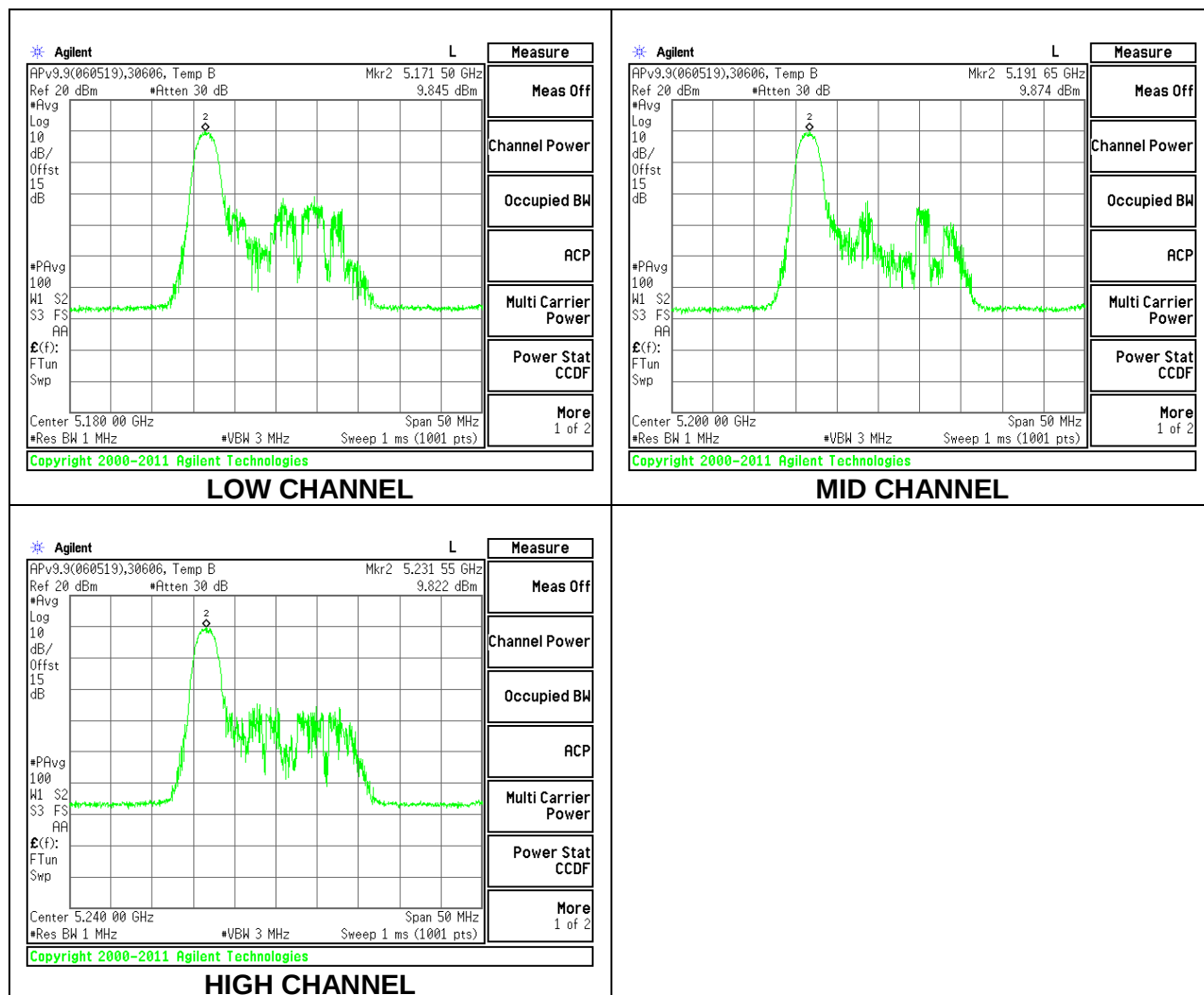
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5180	11.89	11.89	24.00	-12.11
Mid	5200	11.87	11.87	24.00	-12.13
High	5240	11.91	11.91	24.00	-12.09

PSD Results

Channel	Frequency (MHz)	Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5180	9.85	9.85	11.00	-1.16
Mid	5200	9.87	9.87	11.00	-1.13
High	5240	9.82	9.82	11.00	-1.18



1TX Antenna 6 MODE (FCC) MOBILE – 26 Tones, RU Index 4

Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 26dB BW (MHz)	Directional Gain (dBi)
Low	5180	19.70	-4.20
Mid	5200	19.80	-4.20
High	5240	19.90	-4.20

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)
Low	5180	24.00	22.94	27.14	24.00	11.00	10.00	11.00
Mid	5200	24.00	22.97	27.17	24.00	11.00	10.00	11.00
High	5240	24.00	22.99	27.19	24.00	11.00	10.00	11.00

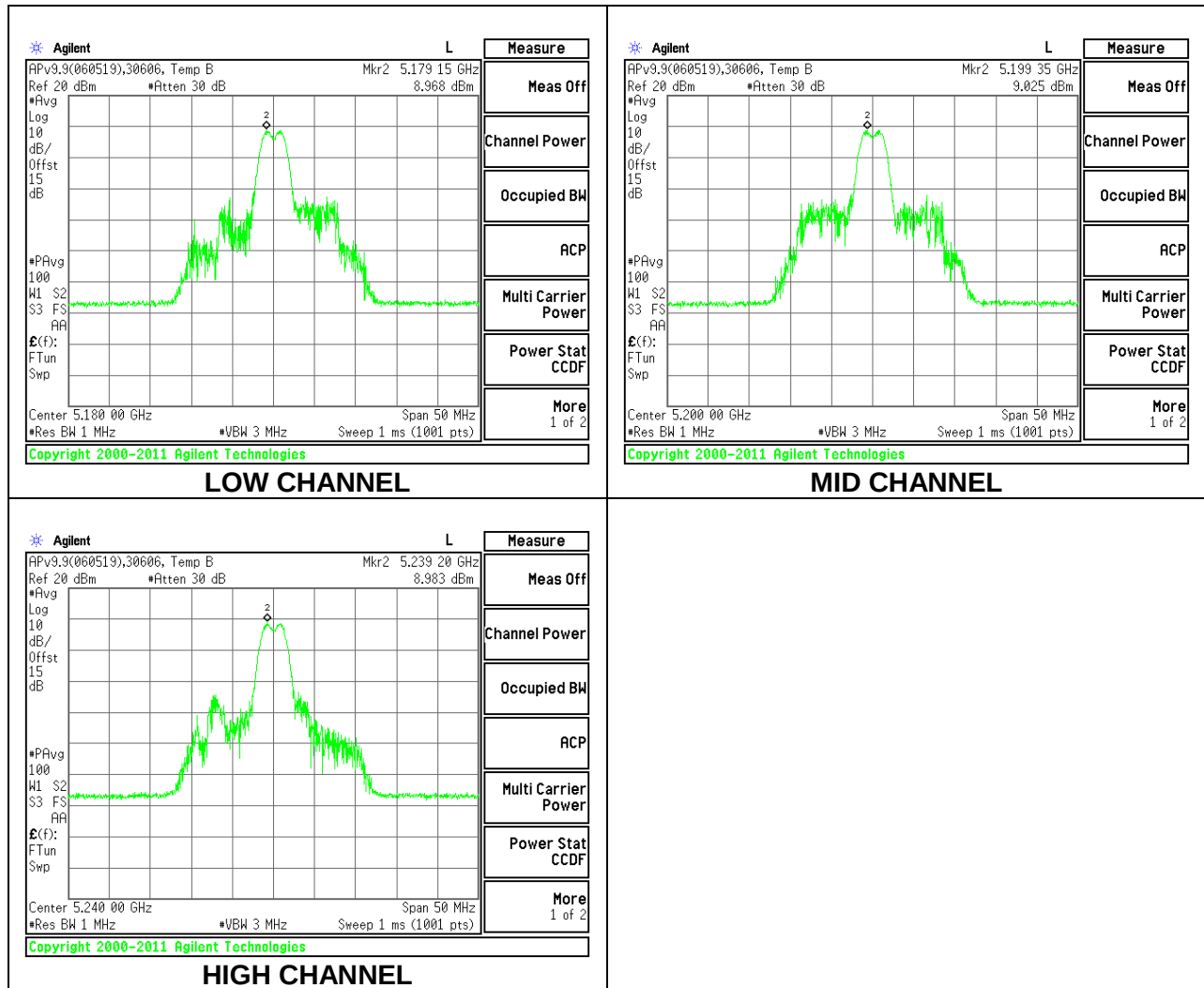
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5180	11.79	11.79	24.00	-12.21
Mid	5200	11.87	11.87	24.00	-12.13
High	5240	11.83	11.83	24.00	-12.17

PSD Results

Channel	Frequency (MHz)	Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5180	8.97	8.97	11.00	-2.03
Mid	5200	9.03	9.03	11.00	-1.98
High	5240	8.98	8.98	11.00	-2.02



1TX Antenna 6 MODE (FCC) MOBILE – 26 Tones, RU Index 8

Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 26dB BW (MHz)	Directional Gain (dBi)
Low	5180	21.15	-4.20
Mid	5200	21.10	-4.20
High	5240	21.15	-4.20

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)
Low	5180	24.00	23.00	27.20	24.00	11.00	10.00	11.00
Mid	5200	24.00	23.00	27.20	24.00	11.00	10.00	11.00
High	5240	24.00	23.00	27.20	24.00	11.00	10.00	11.00

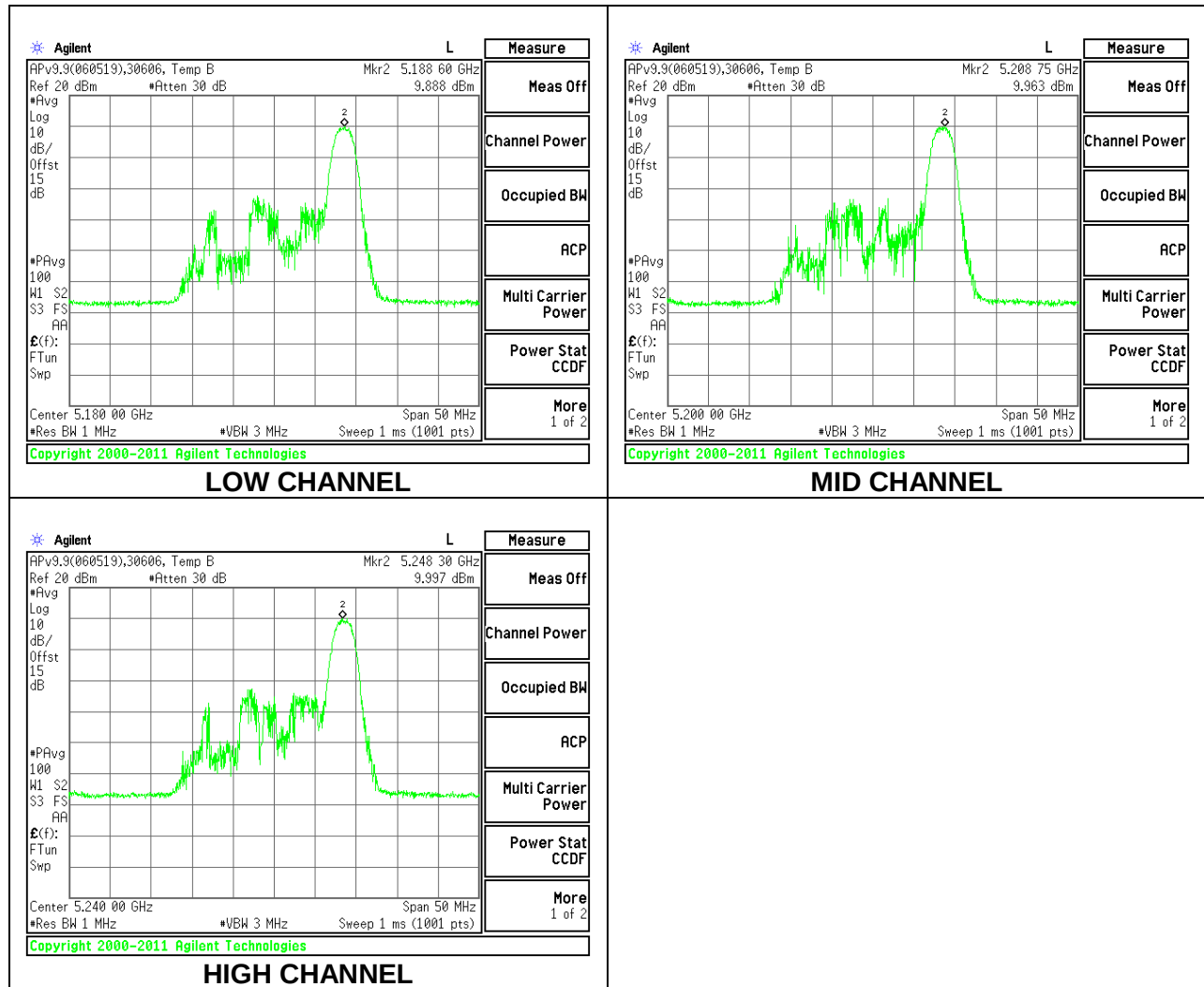
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5180	11.85	11.85	24.00	-12.15
Mid	5200	11.83	11.83	24.00	-12.17
High	5240	11.82	11.82	24.00	-12.18

PSD Results

Channel	Frequency (MHz)	Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5180	9.89	9.89	11.00	-1.11
Mid	5200	9.96	9.96	11.00	-1.04
High	5240	10.00	10.00	11.00	-1.00



1TX Antenna 5 MODE (FCC) MOBILE – 242 Tones, RU Index 61

Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 26dB BW (MHz)	Directional Gain (dBi)
Low	5180	22.00	-10.70
Mid	5200	21.80	-10.70
High	5240	21.90	-10.70

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)
Low	5180	24.00	23.00	33.70	24.00	11.00	10.00	11.00
Mid	5200	24.00	23.00	33.70	24.00	11.00	10.00	11.00
High	5240	24.00	23.00	33.70	24.00	11.00	10.00	11.00

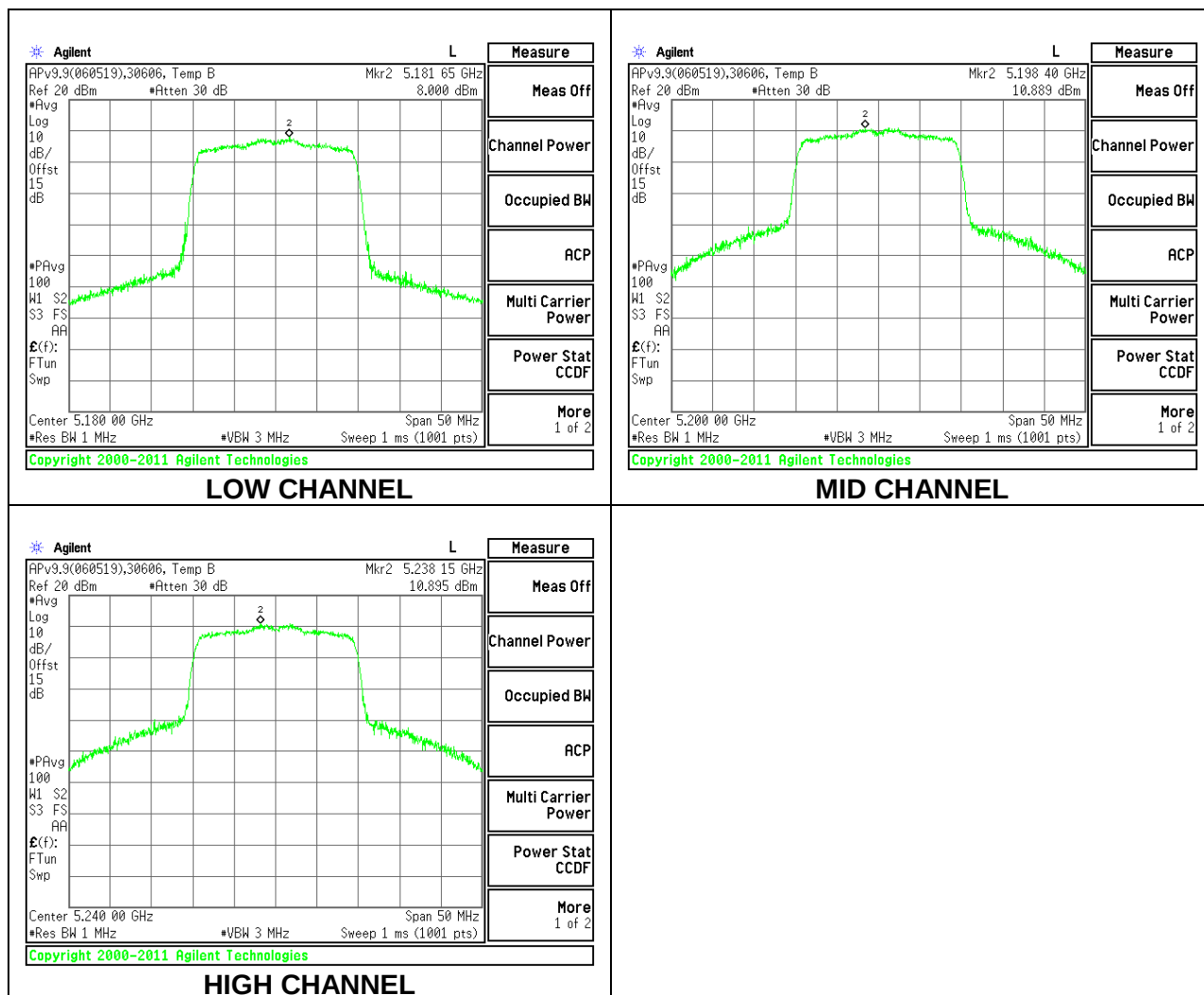
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5180	17.93	17.93	24.00	-6.07
Mid	5200	20.87	20.87	24.00	-3.13
High	5240	20.89	20.89	24.00	-3.11

PSD Results

Channel	Frequency (MHz)	Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5180	8.00	8.00	11.00	-3.00
Mid	5200	10.89	10.89	11.00	-0.11
High	5240	10.90	10.90	11.00	-0.11



1TX Antenna 5 MODE (FCC) MOBILE – 26 Tones, RU Index 0

Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 26dB BW (MHz)	Directional Gain (dBi)
Low	5180	20.50	-10.70
Mid	5200	20.65	-10.70
High	5240	20.60	-10.70

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)
Low	5180	24.00	23.00	33.70	24.00	11.00	10.00	11.00
Mid	5200	24.00	23.00	33.70	24.00	11.00	10.00	11.00
High	5240	24.00	23.00	33.70	24.00	11.00	10.00	11.00

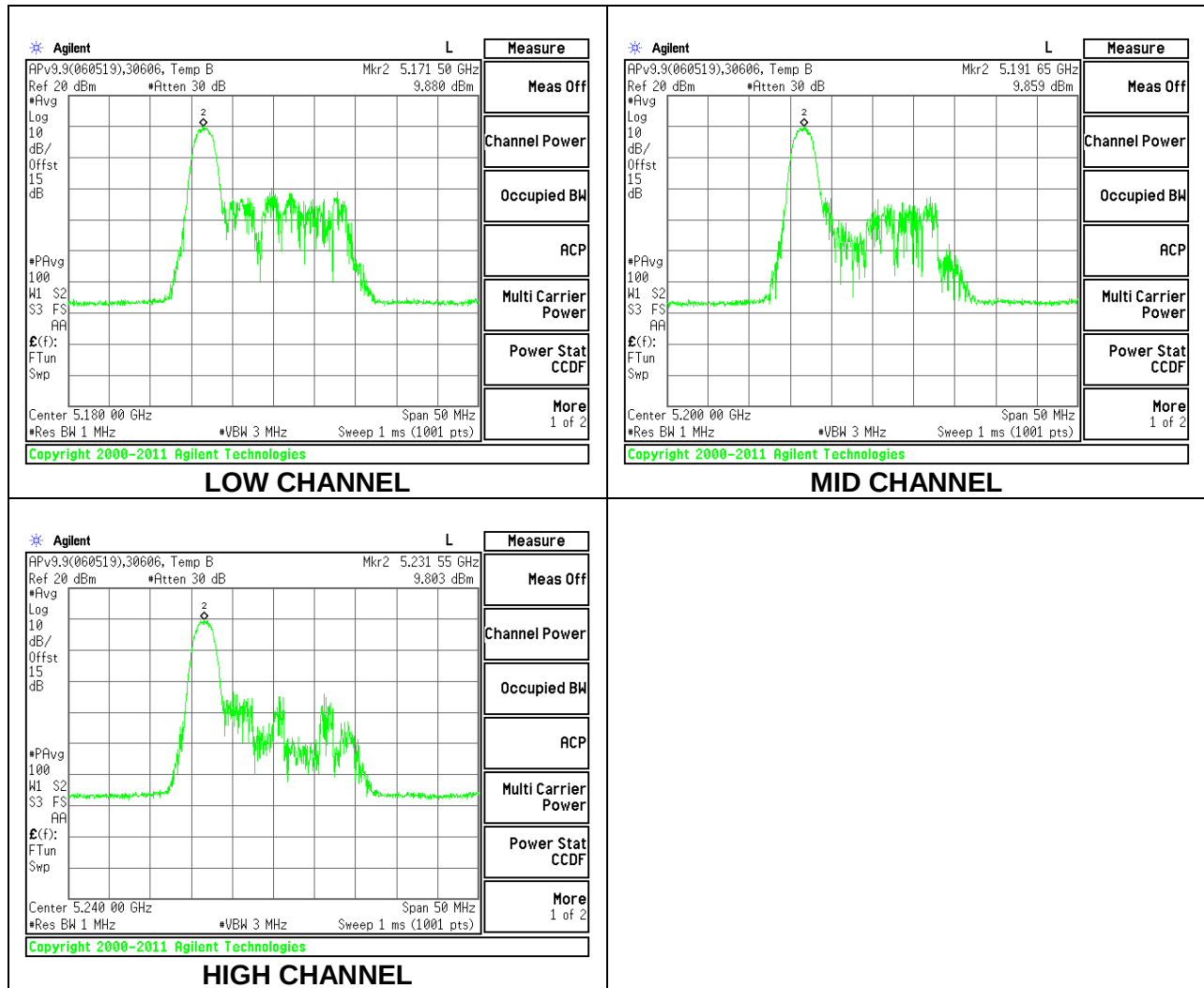
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5180	11.91	11.91	24.00	-12.09
Mid	5200	11.87	11.87	24.00	-12.13
High	5240	11.88	11.88	24.00	-12.12

PSD Results

Channel	Frequency (MHz)	Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5180	9.88	9.88	11.00	-1.12
Mid	5200	9.86	9.86	11.00	-1.14
High	5240	9.80	9.80	11.00	-1.20



1TX Antenna 5 MODE (FCC) MOBILE – 26 Tones, RU Index 4

Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 26dB BW (MHz)	Directional Gain (dBi)
Low	5180	19.70	-10.70
Mid	5200	19.70	-10.70
High	5240	19.85	-10.70

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)
Low	5180	24.00	22.94	33.64	24.00	11.00	10.00	11.00
Mid	5200	24.00	22.94	33.64	24.00	11.00	10.00	11.00
High	5240	24.00	22.98	33.68	24.00	11.00	10.00	11.00

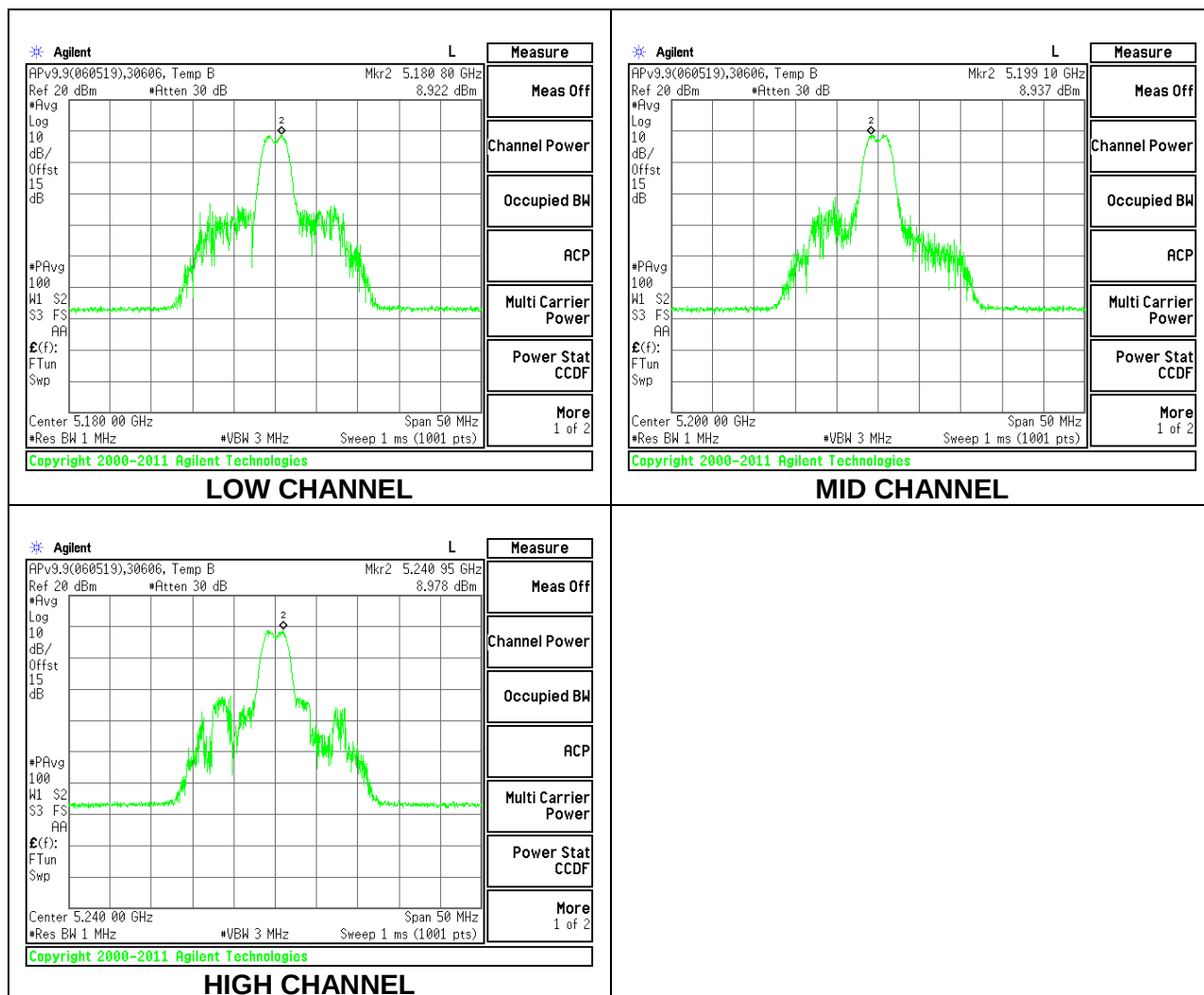
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5180	11.87	11.87	24.00	-12.13
Mid	5200	11.91	11.91	24.00	-12.09
High	5240	11.89	11.89	24.00	-12.11

PSD Results

Channel	Frequency (MHz)	Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5180	8.92	8.92	11.00	-2.08
Mid	5200	8.94	8.94	11.00	-2.06
High	5240	8.98	8.98	11.00	-2.02



1TX Antenna 5 MODE (FCC) MOBILE – 26 Tones, RU Index 8

Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 99% BW (MHz)	Directional Gain (dBi)
Low	5180	21.10	-10.70
Mid	5200	21.05	-10.70
High	5240	21.10	-10.70

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)
Low	5180	24.00	23.00	33.70	24.00	11.00	10.00	11.00
Mid	5200	24.00	23.00	33.70	24.00	11.00	10.00	11.00
High	5240	24.00	23.00	33.70	24.00	11.00	10.00	11.00

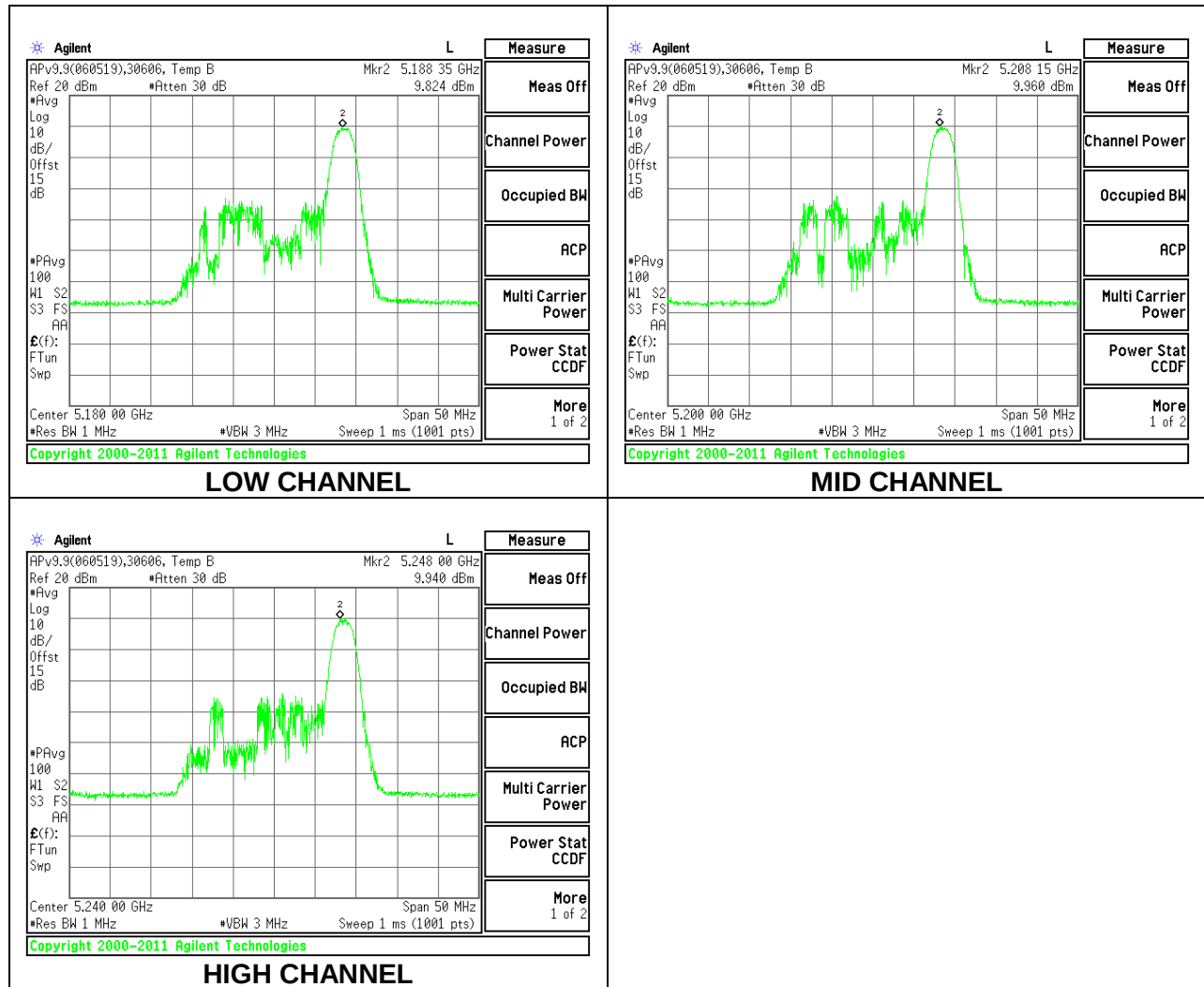
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5180	11.91	11.91	24.00	-12.09
Mid	5200	11.86	11.86	24.00	-12.14
High	5240	11.85	11.85	24.00	-12.15

PSD Results

Channel	Frequency (MHz)	Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5180	9.82	9.82	11.00	-1.18
Mid	5200	9.96	9.96	11.00	-1.04
High	5240	9.94	9.94	11.00	-1.06



2TX Antenna 6 + Antenna 5 OFDMA MODE (FCC) MOBILE – 242 Tones, RU Index 61

Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 26dB BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)
Low	5180	21.55	-6.33	-3.85
Mid	5200	21.60	-6.33	-3.85
High	5240	21.85	-6.33	-3.85

Limits

Channel	Frequency (MHz)	FCC Power Limit (dBm)	ISED EIRP Limit (dBm)	Max ISED Power (dBm)	Power Limit (dBm)	FCC PSD Limit (dBm/ 1MHz)
Low	5180	24.00	23.00	29.33	24.00	11.00
Mid	5200	24.00	23.00	29.33	24.00	11.00
High	5240	24.00	23.00	29.33	24.00	11.00

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

Channel	Frequency (MHz)	Antenna 6 Meas Power (dBm)	Antenna 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5180	16.81	16.81	19.82	24.00	-4.18
Mid	5200	17.94	17.94	20.95	24.00	-3.05
High	5240	17.97	17.97	20.98	24.00	-3.02

PSD Results

Channel	Frequency (MHz)	Antenna 6 Meas PSD (dBm/ 1MHz)	Antenna 5 Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5180	6.87	6.81	9.85	11.00	-1.15
Mid	5200	7.87	7.84	10.87	11.00	-0.13
High	5240	7.85	7.81	10.84	11.00	-0.16