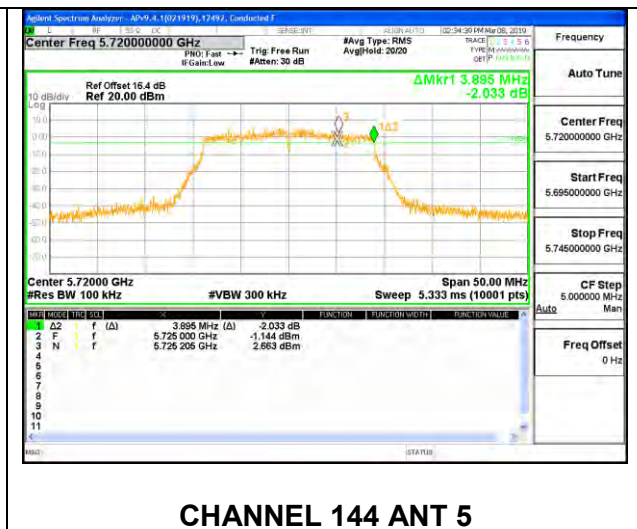
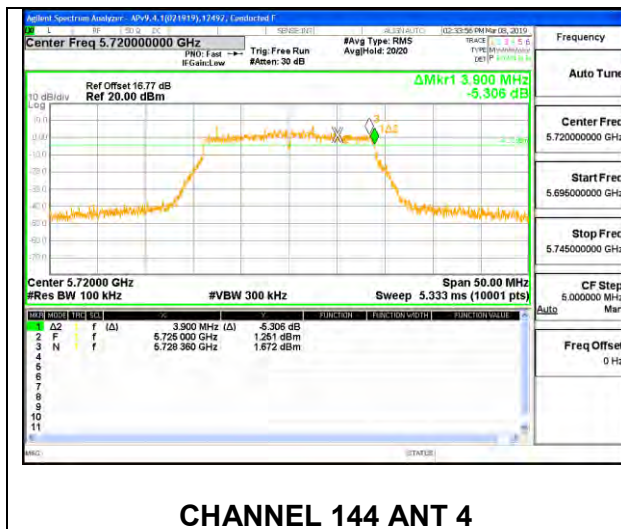
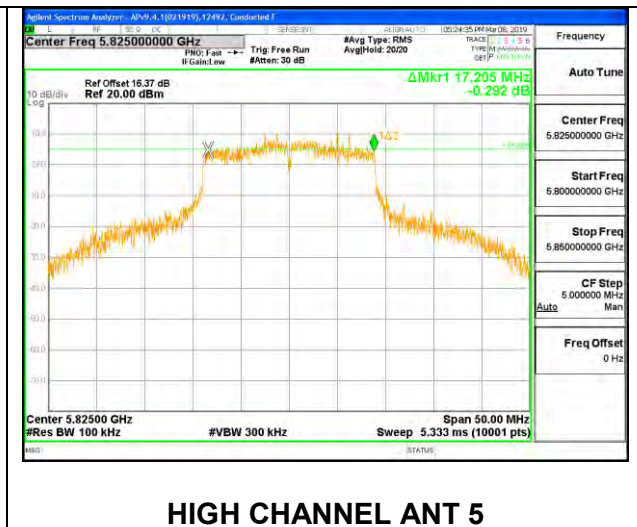
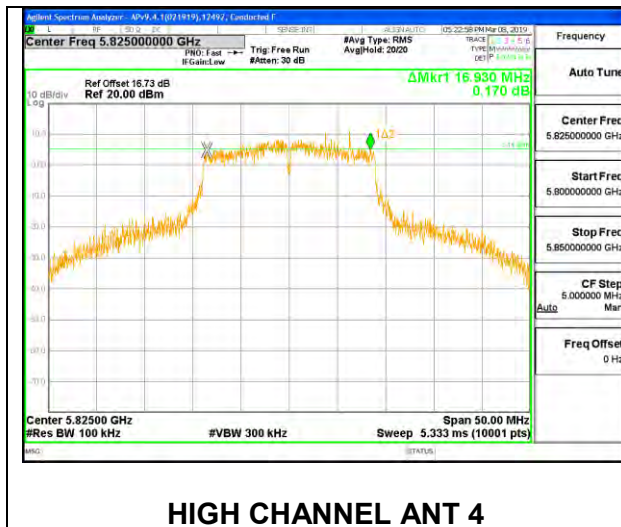


2TX Antenna 4 + Antenna 5 CDD MODE

Channel	Frequency (MHz)	6 dB BW Ant 4 (MHz)	6 dB BW Ant 5 (MHz)	Minimum Limit (MHz)
Low	5745	16.910	16.830	0.5
Mid	5785	17.595	17.560	0.5
High	5825	16.930	17.205	0.5
144	5720	3.900	3.895	0.5

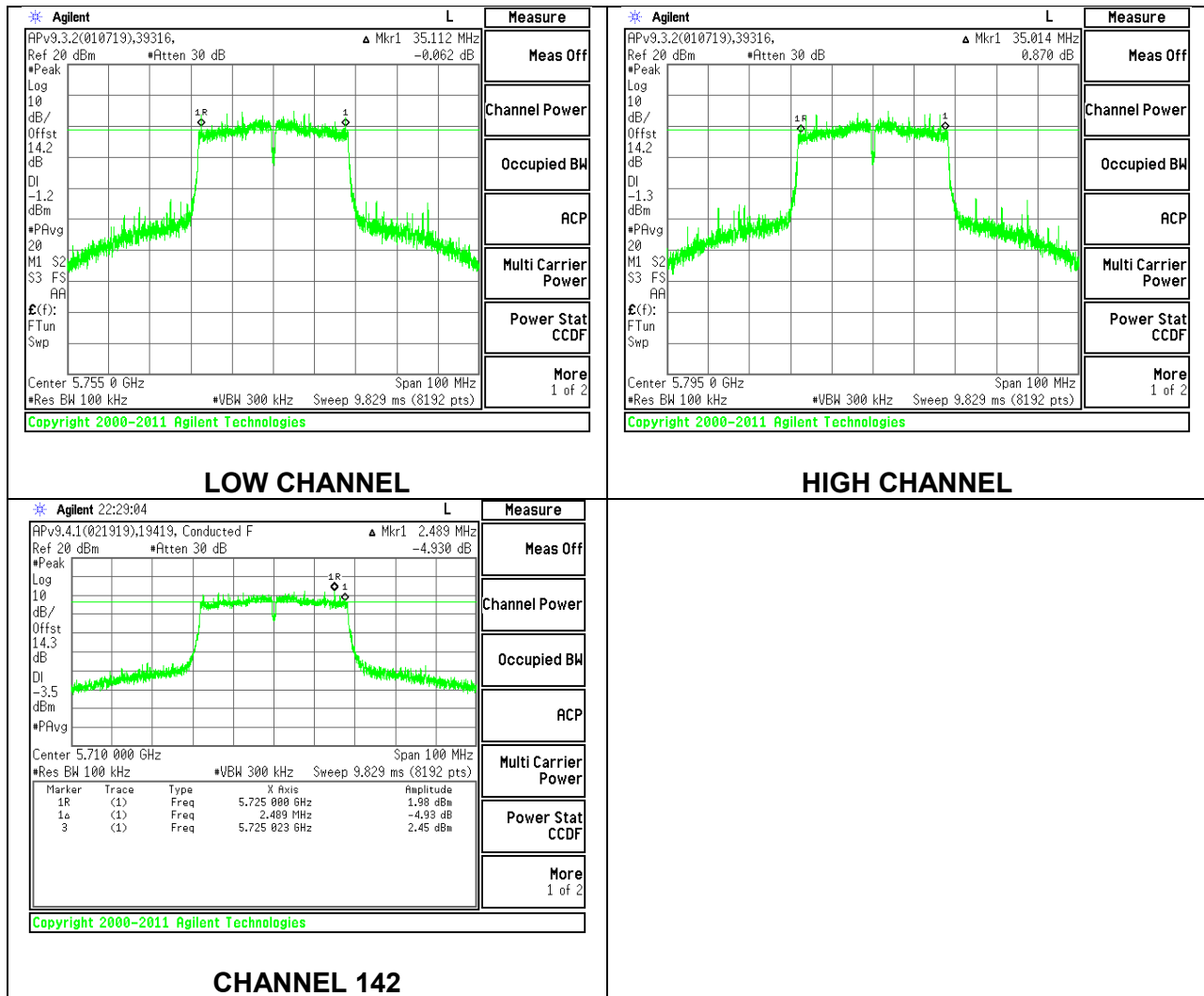
**LOW CHANNEL ANT 4****LOW CHANNEL ANT 5****MID CHANNEL ANT 4****MID CHANNEL ANT 5**



8.4.2. 802.11n HT40 MODE IN THE 5.8 GHz BAND

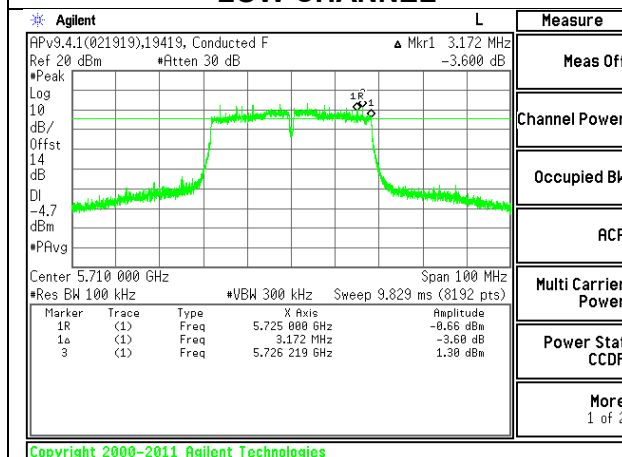
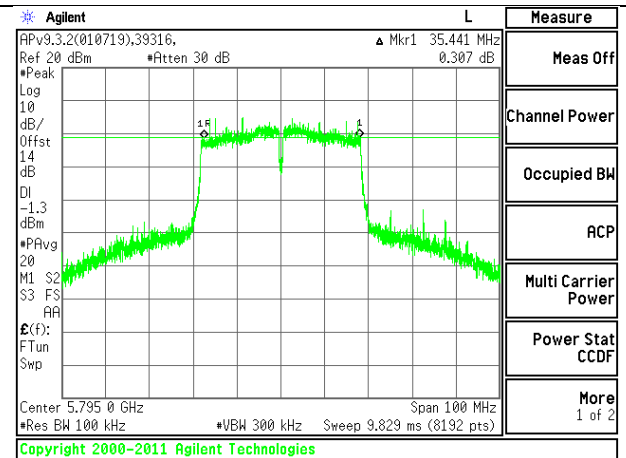
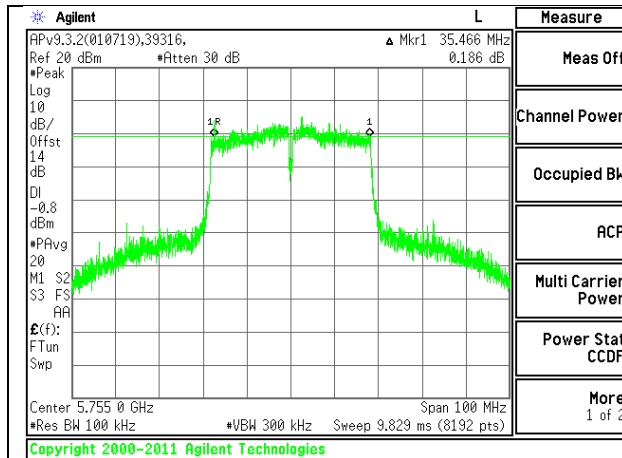
1TX Antenna 4 MODE

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)
Low	5755	35.112	0.5
High	5795	35.014	0.5
142	5710	2.489	0.5



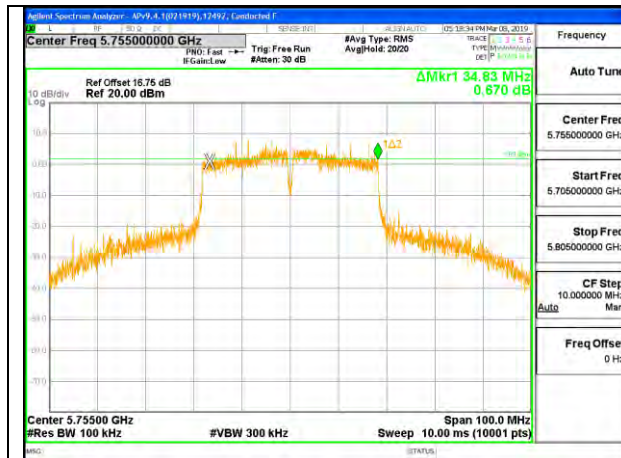
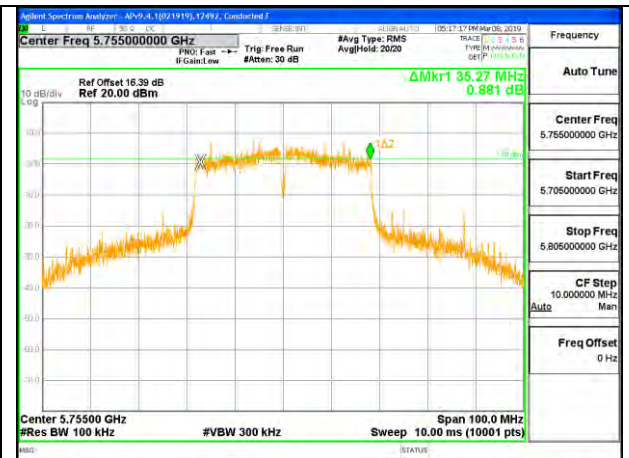
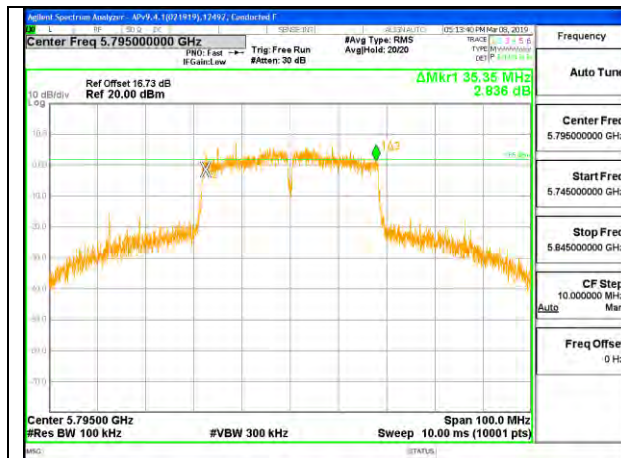
1TX Antenna 5 MODE

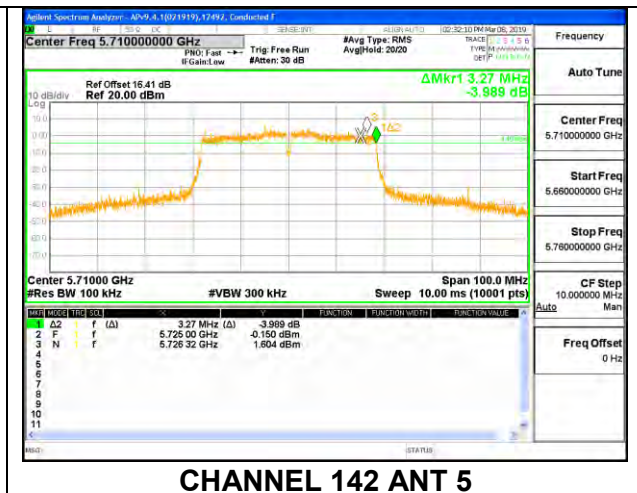
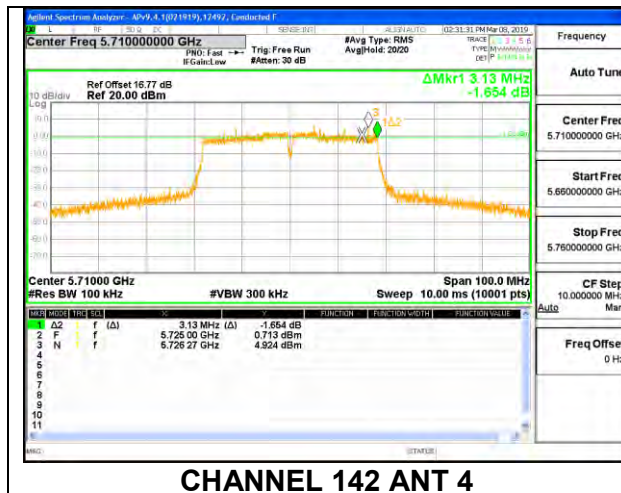
Channel	Frequency	6 dB Bandwidth	Minimum Limit
	(MHz)	(MHz)	(MHz)
Low	5775	35.466	0.5
High	5795	35.441	0.5
142	5710	3.172	0.5



2TX Antenna 4 + Antenna 5 CDD MODE

Channel	Frequency (MHz)	6 dB BW Ant 4 (MHz)	6 dB BW Ant 5 (MHz)	Minimum Limit (MHz)
Low	5775	34.830	35.270	0.5
High	5795	35.350	35.710	0.5
142	5710	3.130	3.270	0.5

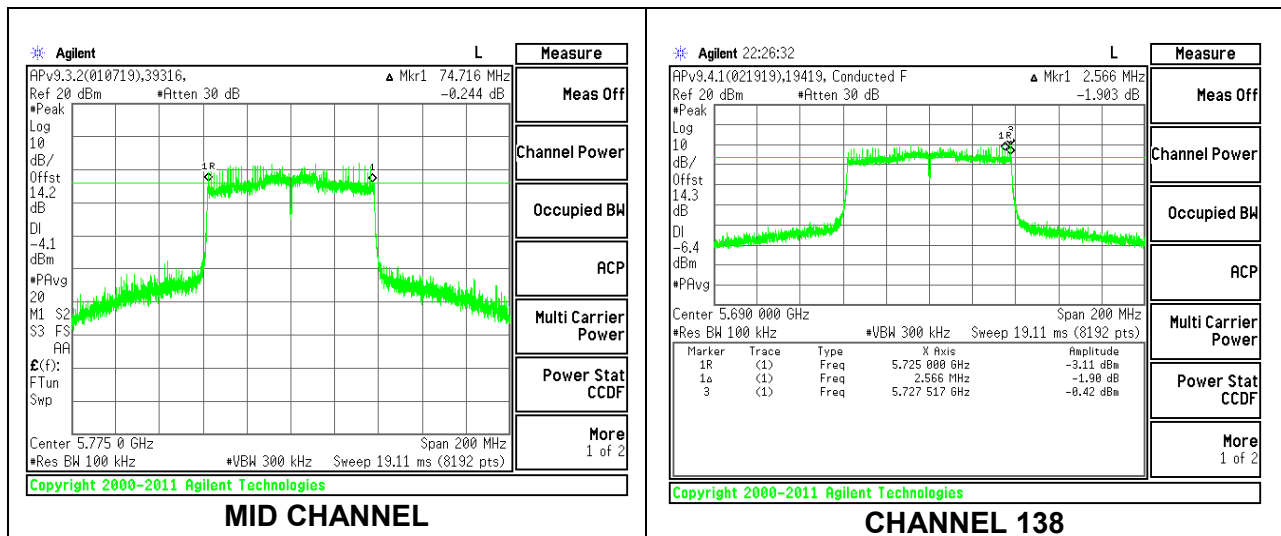
**LOW CHANNEL ANT 4****LOW CHANNEL ANT 5****HIGH CHANNEL ANT 4****HIGH CHANNEL ANT 5**



8.4.3. 802.11ac VHT80 MODE IN THE 5.8 GHz BAND

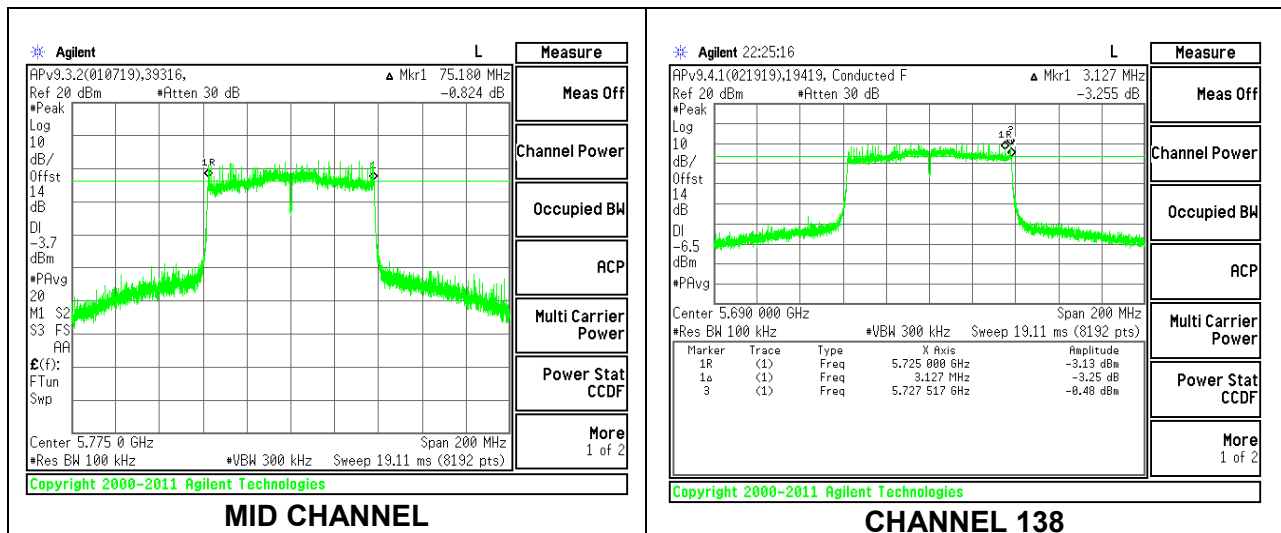
1TX Antenna 4 MODE

Channel	Frequency	6 dB Bandwidth	Minimum Limit
	(MHz)	(MHz)	(MHz)
Mid	5775	74.716	0.5
138	5690	2.566	0.5



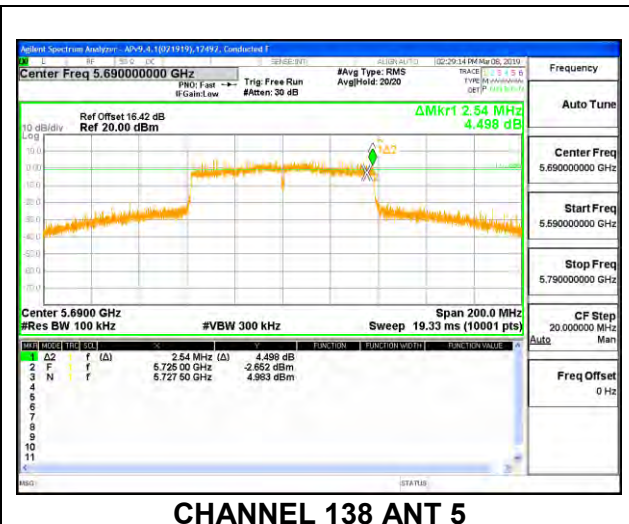
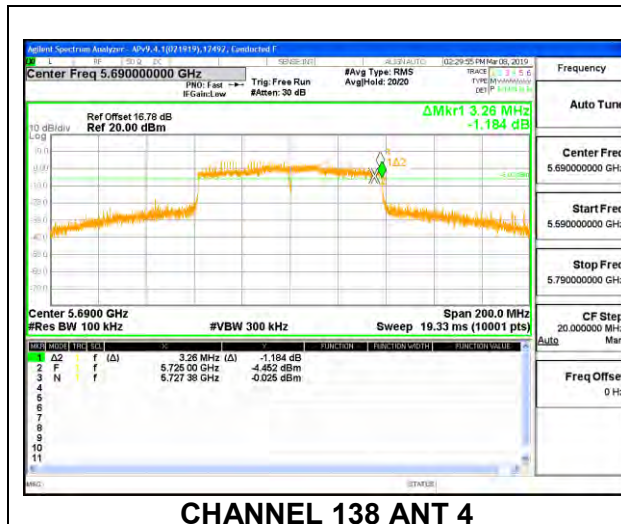
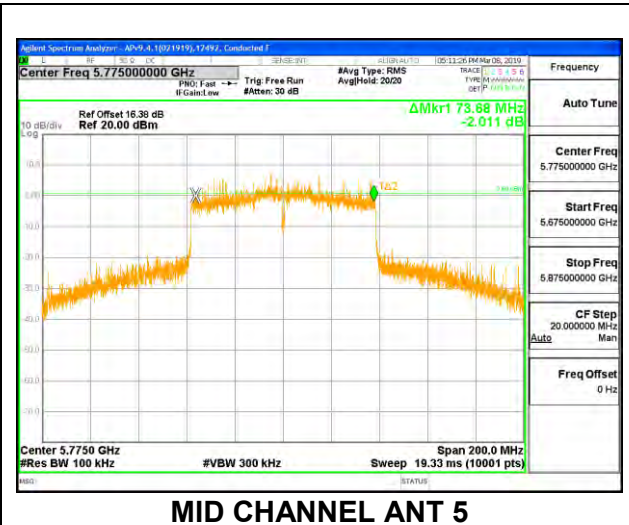
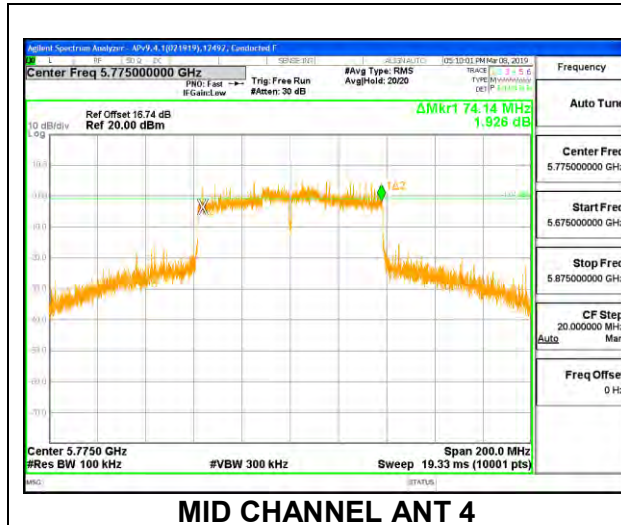
1TX Antenna 5 MODE

Channel	Frequency	6 dB Bandwidth	Minimum Limit
	(MHz)	(MHz)	(MHz)
Mid	5775	75.180	0.5
138	5690	3.127	0.5



2TX Antenna 4 + Antenna 5 CDD MODE

Channel	Frequency (MHz)	6 dB BW Ant 4 (MHz)	6 dB BW Ant 5 (MHz)	Minimum Limit (MHz)
Mid	5775	74.140	73.680	0.5
138	5690	3.260	2.540	0.5



8.4.4. 802.11ax HE20 MODE IN THE 5.8 GHz BAND

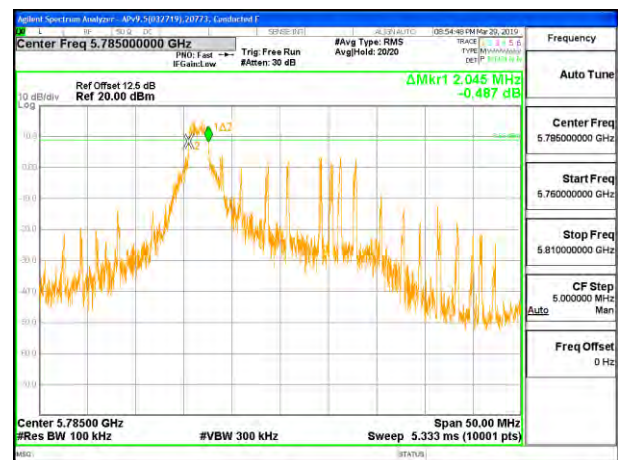
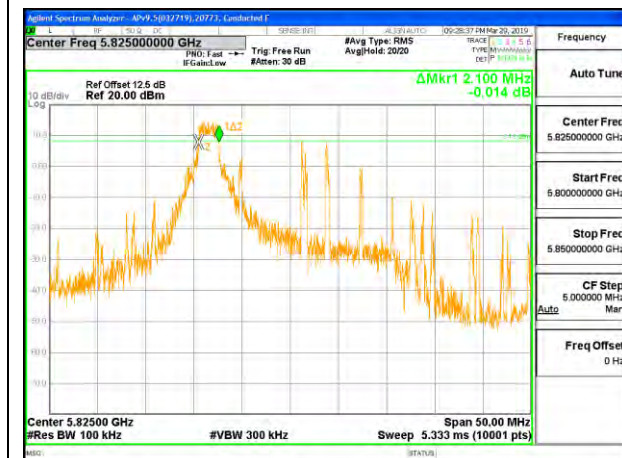
1TX Antenna 4 MODE – 242 Tones, RU Index 61

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)
Low	5745	18.765	0.5
Mid	5785	18.980	0.5
High	5825	18.590	0.5
144	5720	4.535	0.5



1TX Antenna 4 MODE – 26 Tones, RU Index 0

Channel	Frequency	6 dB Bandwidth	Minimum Limit
	(MHz)	(MHz)	(MHz)
Low	5745	2.015	0.5
Mid	5785	2.045	0.5
High	5825	2.100	0.5

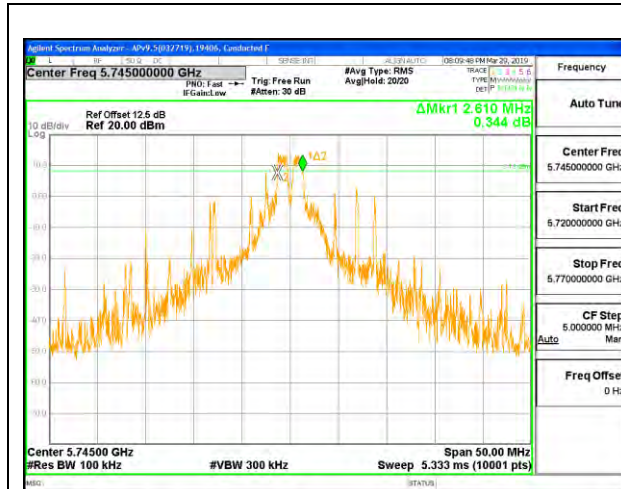
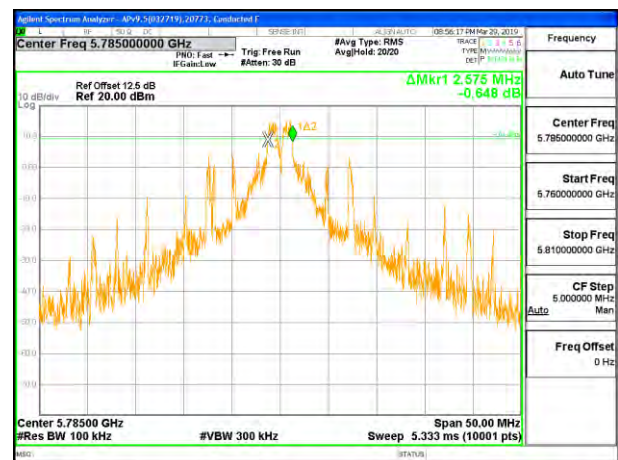
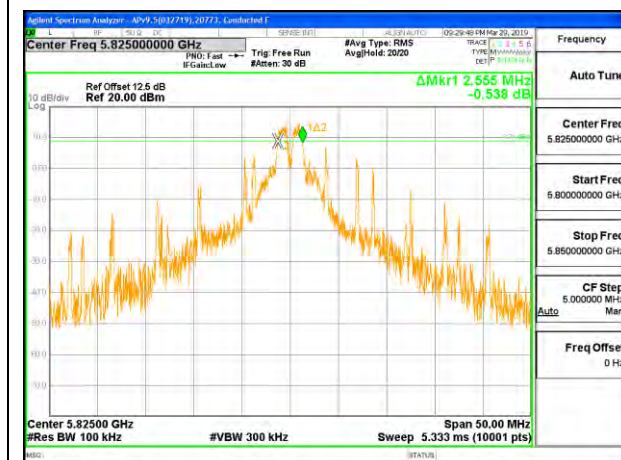
**LOW CHANNEL****MID CHANNEL****HIGH CHANNEL**

See note on section 8.4

CHANNEL 144

1TX Antenna 4 MODE – 26 Tones, RU Index 4

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)
Low	5745	2.6100	0.5
Mid	5785	2.5750	0.5
High	5825	2.5500	0.5

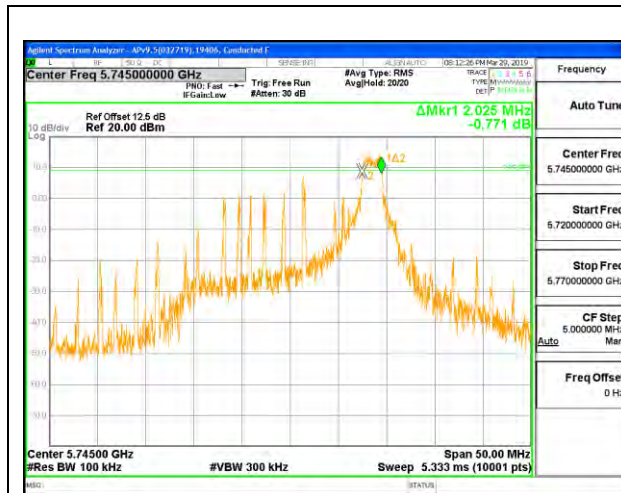
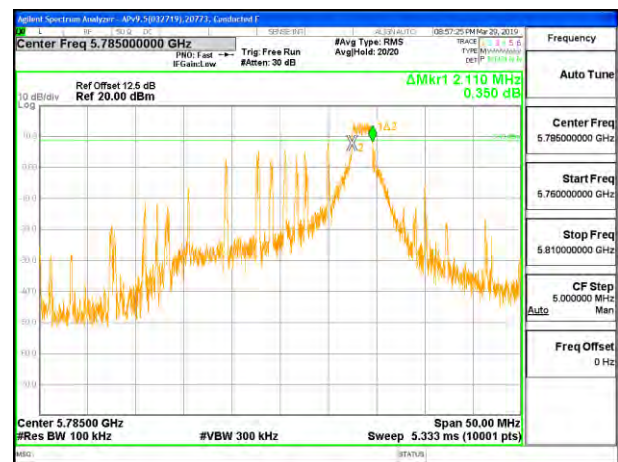
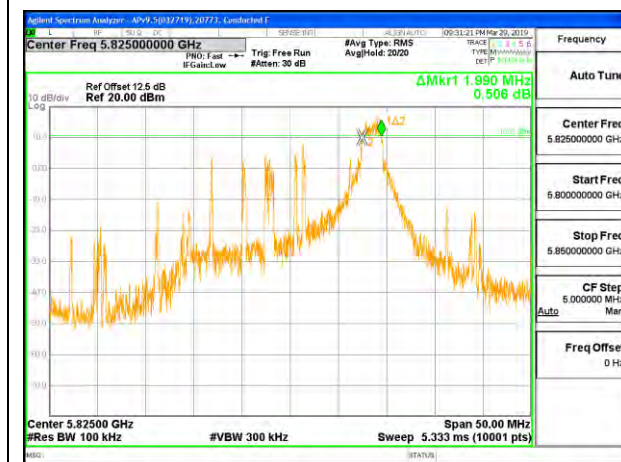
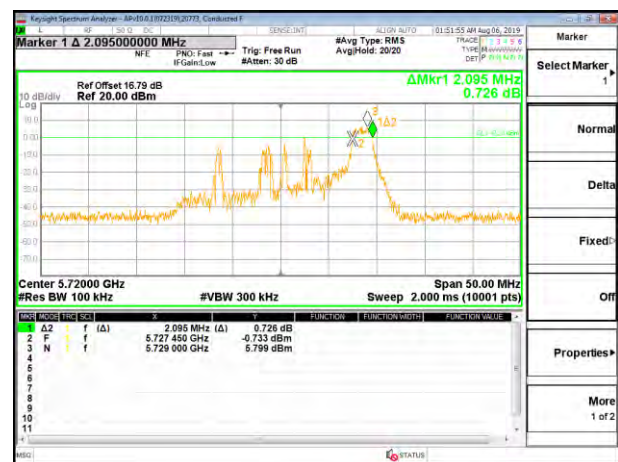
**LOW CHANNEL****MID CHANNEL****HIGH CHANNEL**

See note on section 8.4

CHANNEL 144

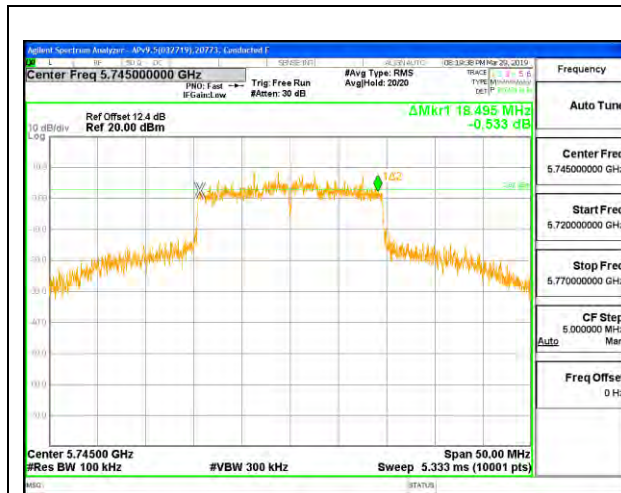
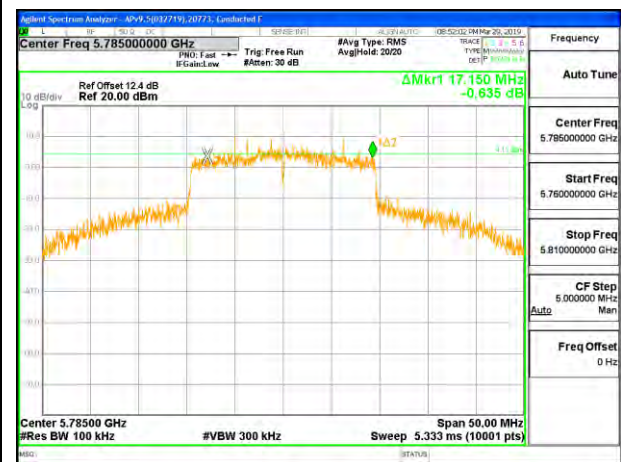
1TX Antenna 4 MODE – 26 Tones, RU Index 8

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)
Low	5745	2.025	0.5
Mid	5785	2.110	0.5
High	5825	1.990	0.5
144	5720	2.095	0.5

**LOW CHANNEL****MID CHANNEL****HIGH CHANNEL****CHANNEL 144**

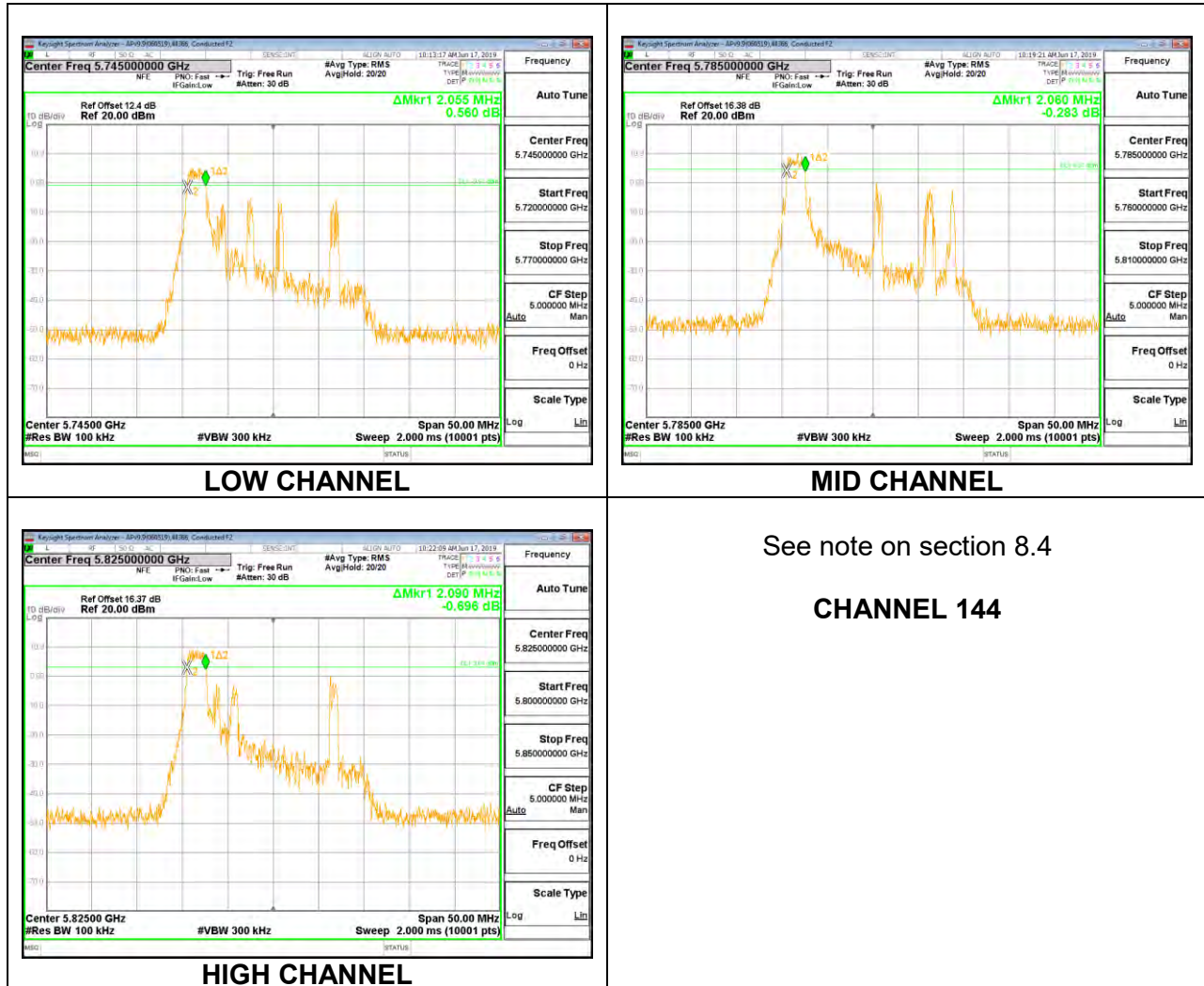
1TX Antenna 5 MODE – 242 Tones, RU Index 61

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)
Low	5745	18.495	0.5
Mid	5785	17.150	0.5
High	5825	18.685	0.5
144	5720	4.385	0.5

**LOW CHANNEL****MID CHANNEL****HIGH CHANNEL****CHANNEL 144**

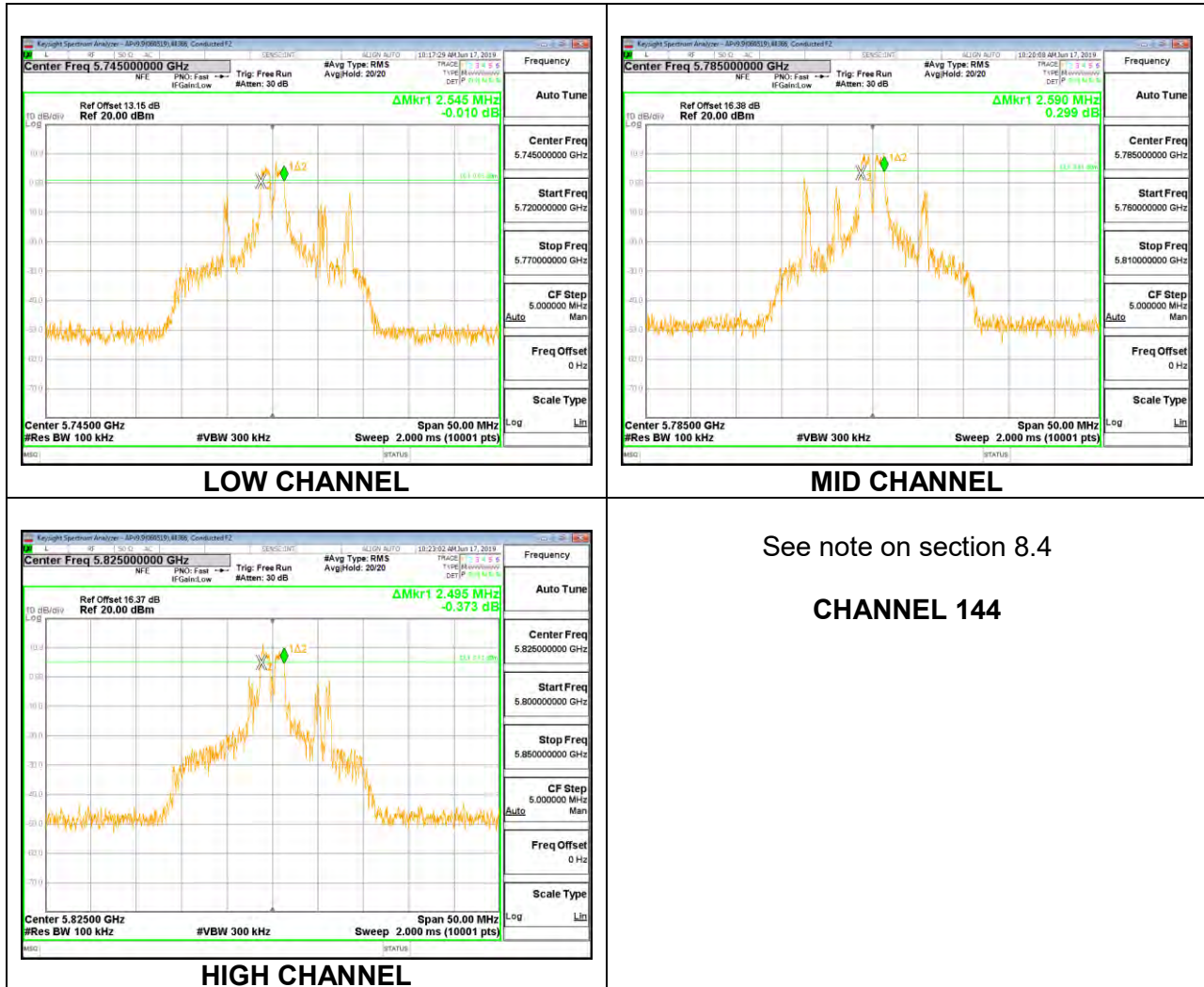
1TX Antenna 5 MODE – 26 Tones, RU Index 0

Channel	Frequency	6 dB Bandwidth	Minimum Limit
	(MHz)	(MHz)	(MHz)
Low	5745	2.055	0.5
Mid	5785	2.060	0.5
High	5825	2.090	0.5



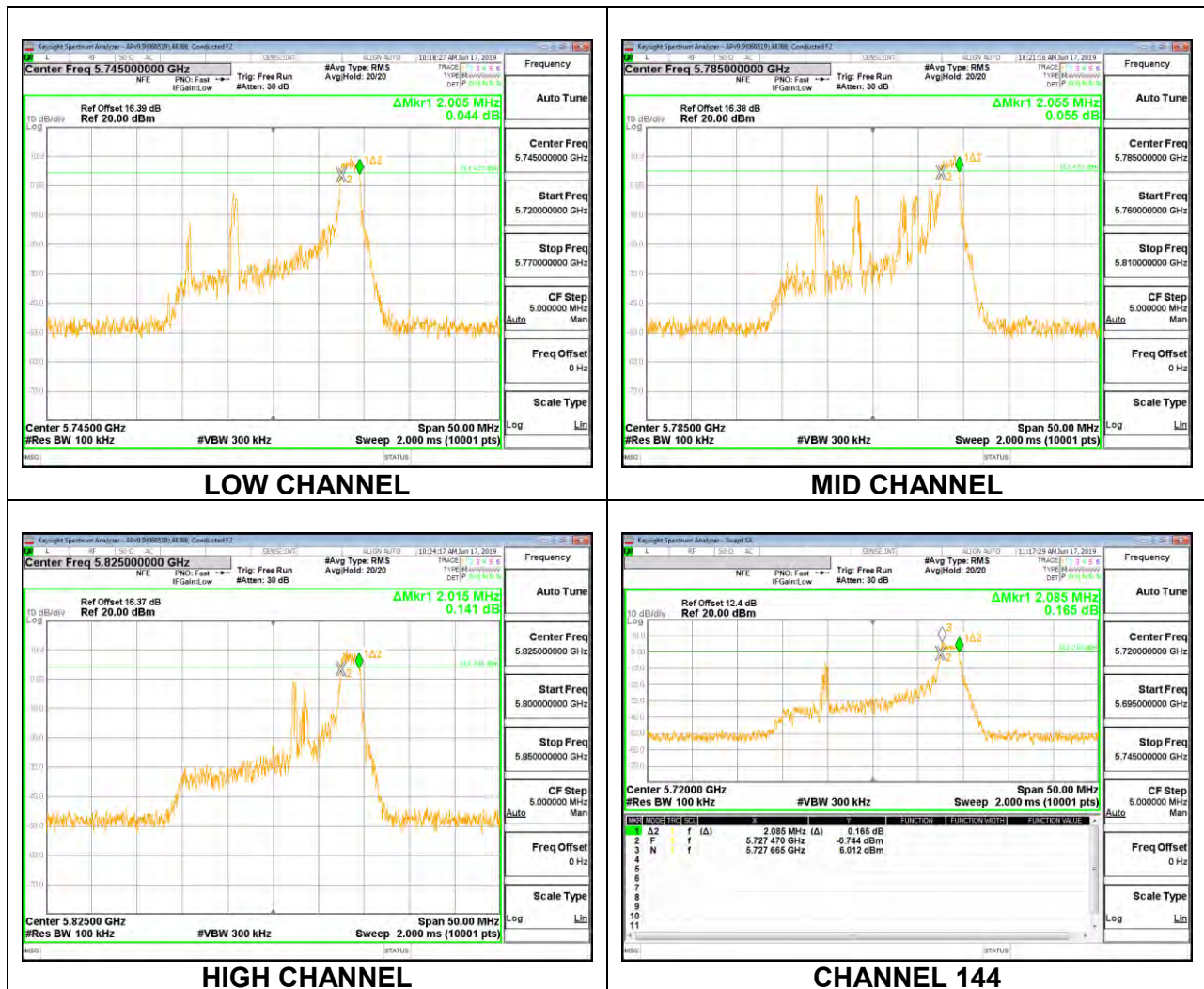
1TX Antenna 5 MODE – 26 Tones, RU Index 4

Channel	Frequency	6 dB Bandwidth	Minimum Limit
	(MHz)	(MHz)	(MHz)
Low	5745	2.545	0.5
Mid	5785	2.590	0.5
High	5825	2.495	0.5



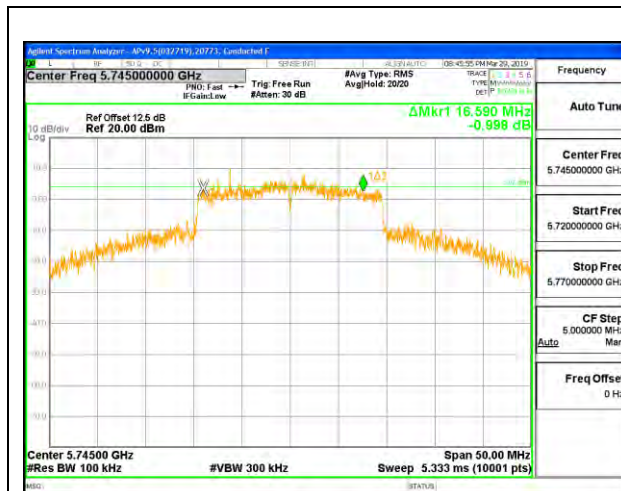
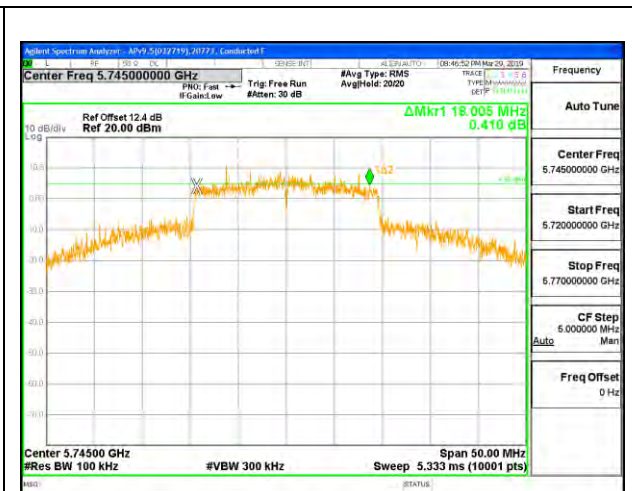
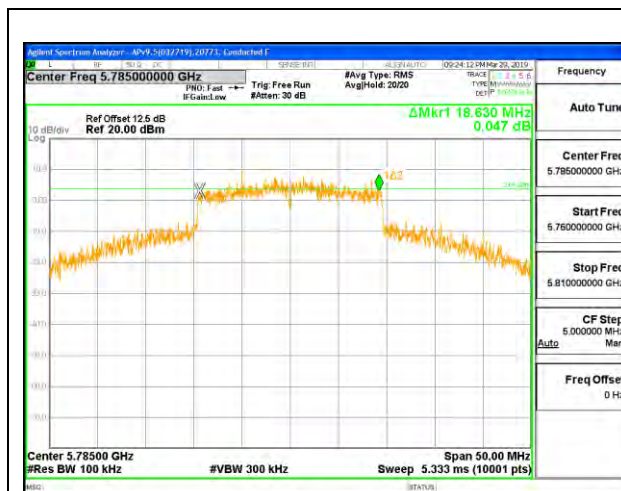
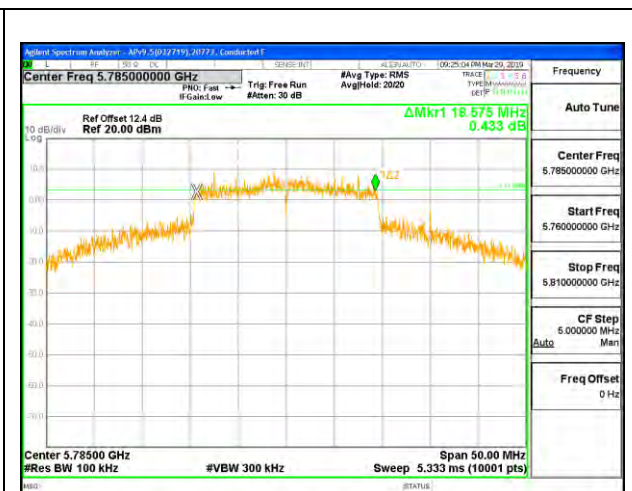
1TX Antenna 5 MODE – 26 Tones, RU Index 8

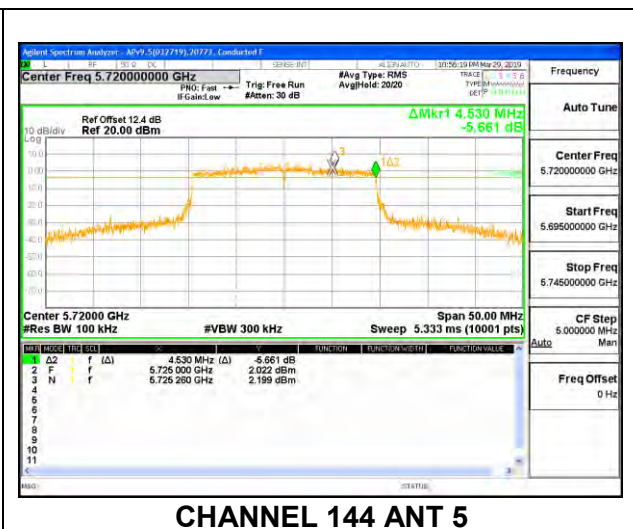
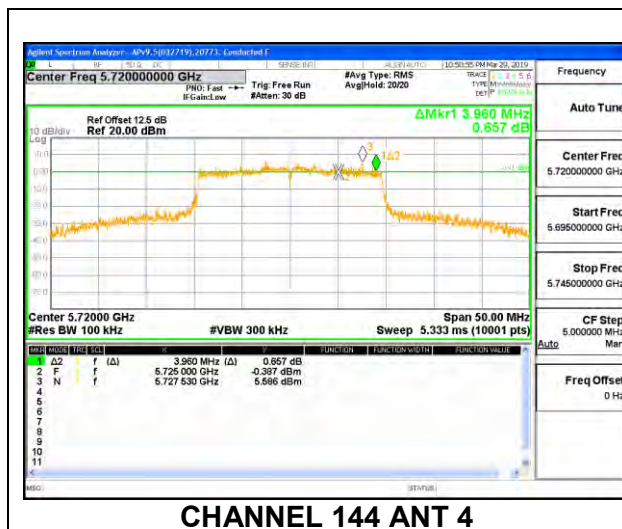
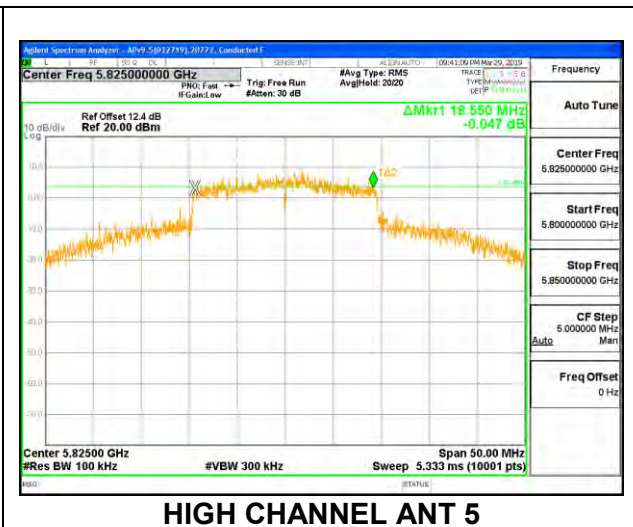
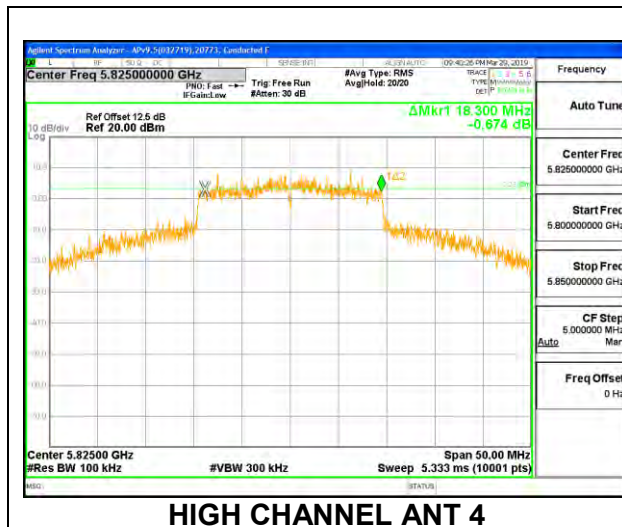
Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)
Low	5745	2.005	0.5
Mid	5785	2.055	0.5
High	5825	2.015	0.5
144	5720	2.085	0.5



2TX Antenna 4 + Antenna 5 OFDMA MODE – 242 Tones, RU Index 61

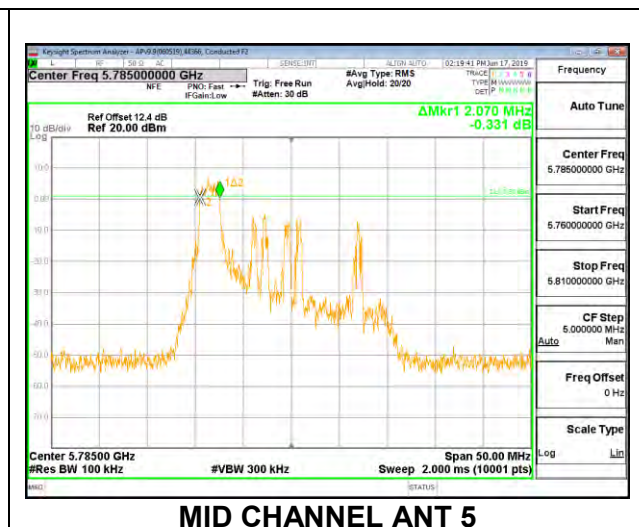
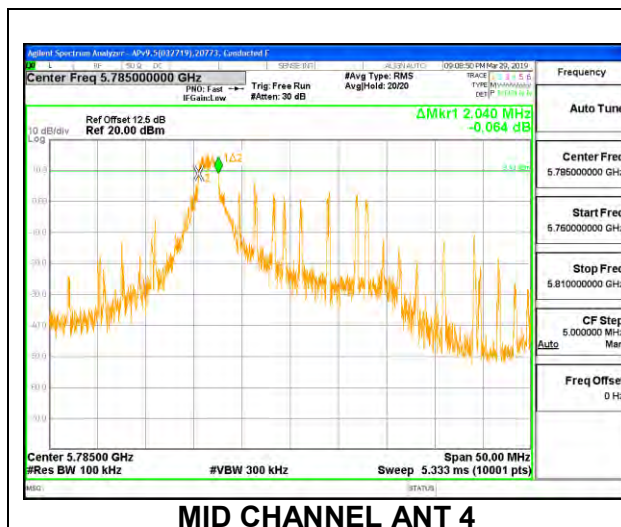
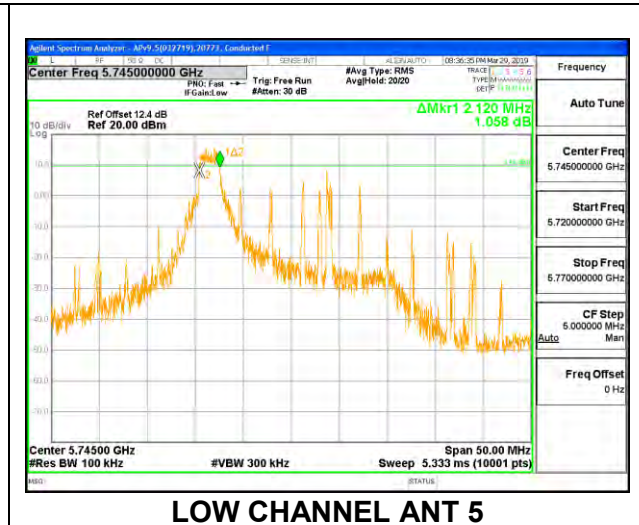
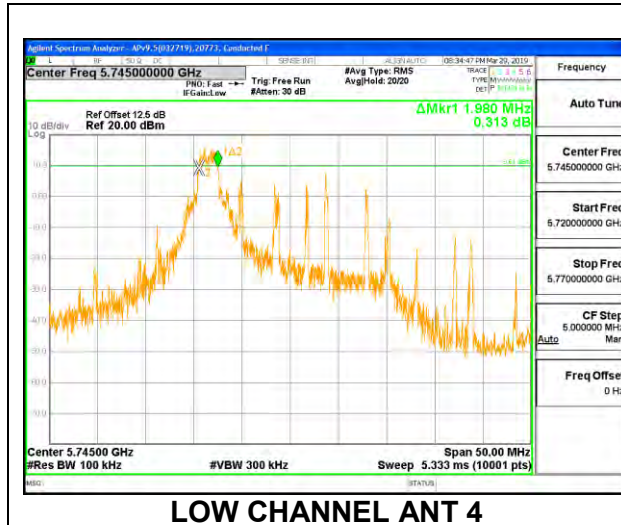
Channel	Frequency (MHz)	6 dB BW Ant 4 (MHz)	6 dB BW Ant 5 (MHz)	Minimum Limit (MHz)
Low	5745	16.590	18.005	0.5
Mid	5785	18.630	18.575	0.5
High	5825	18.300	18.550	0.5
144	5720	3.960	4.530	0.5

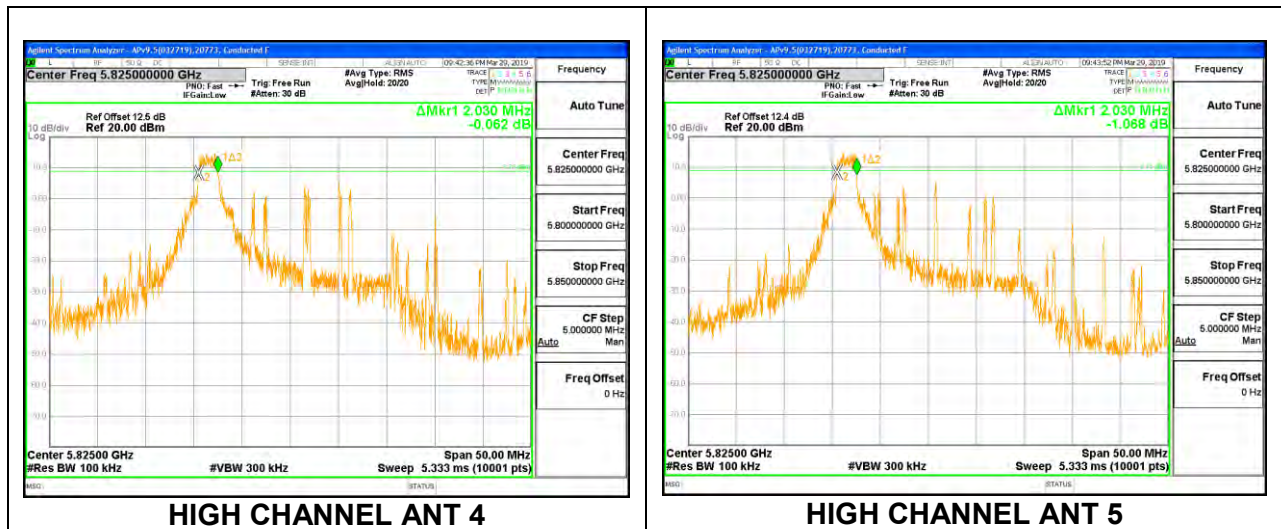
**LOW CHANNEL ANT 4****LOW CHANNEL ANT 5****MID CHANNEL ANT 4****MID CHANNEL ANT 5**



2TX Antenna 4 + Antenna 5 OFDMA MODE – 26 Tones, RU Index 0

Channel	Frequency (MHz)	6 dB BW Ant 4 (MHz)	6 dB BW Ant 5 (MHz)	Minimum Limit (MHz)
Low	5745	1.980	2.120	0.5
Mid	5785	2.040	2.070	0.5
High	5825	2.030	2.030	0.5

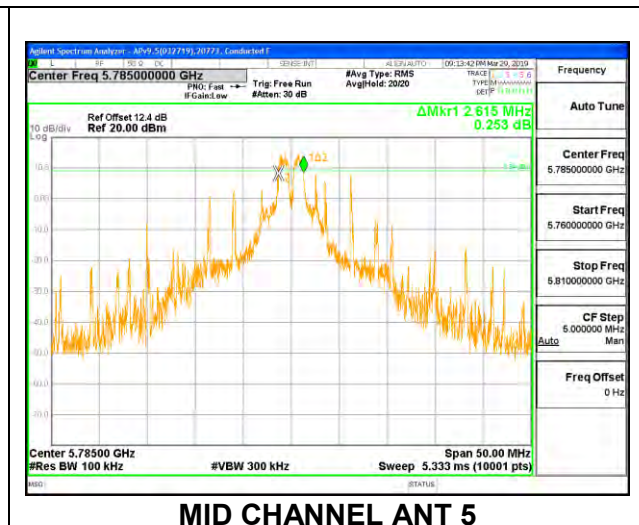
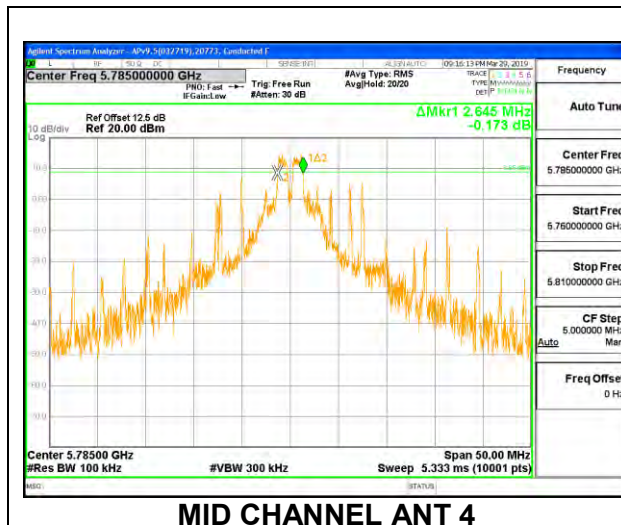
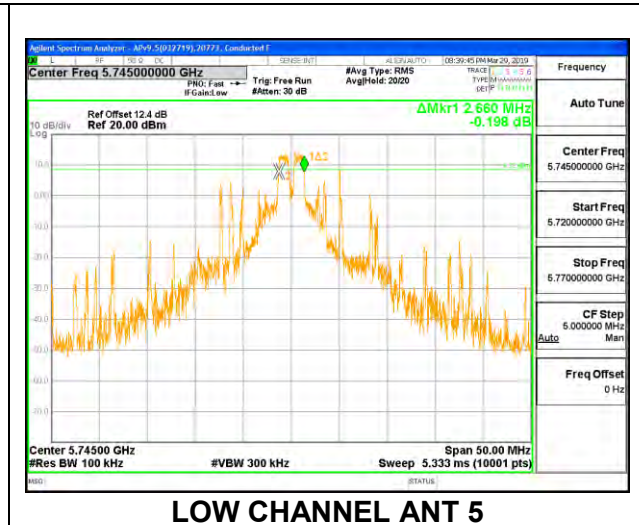
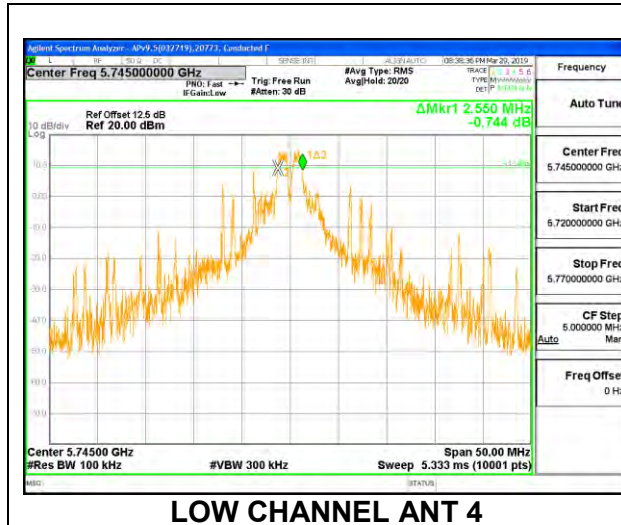


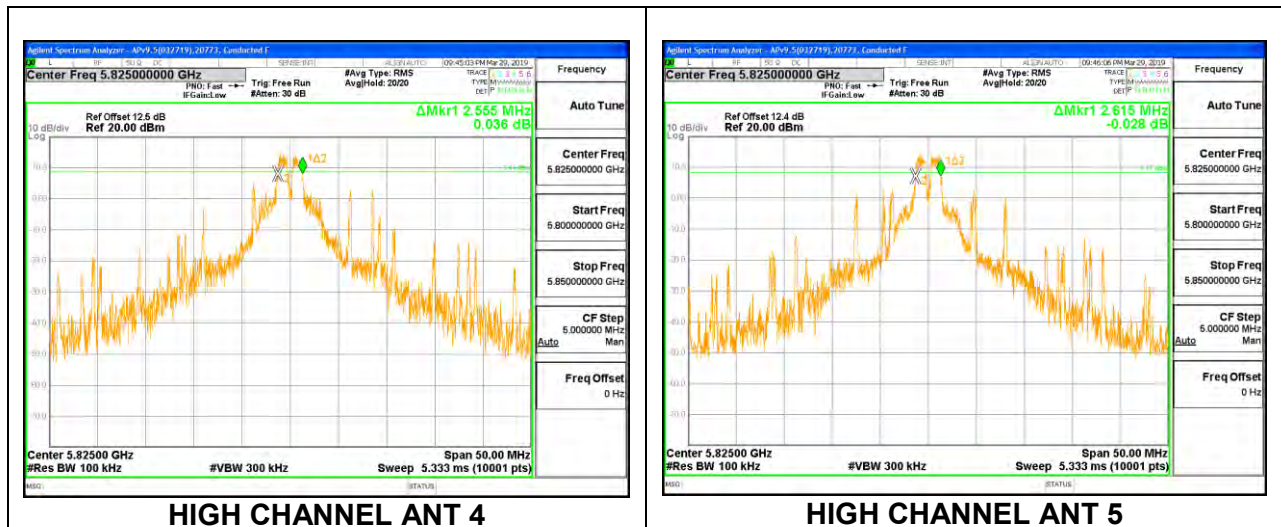


See note on section 8.4	See note on section 8.4
CHANNEL 144 ANT 4	CHANNEL 144 ANT 5

2TX Antenna 4 + Antenna 5 OFDMA MODE – 26 Tones, RU Index 4

Channel	Frequency (MHz)	6 dB BW Ant 4 (MHz)	6 dB BW Ant 5 (MHz)	Minimum Limit (MHz)
Low	5745	2.550	2.660	0.5
Mid	5785	2.645	2.615	0.5
High	5825	2.555	2.615	0.5





See note on section 8.4

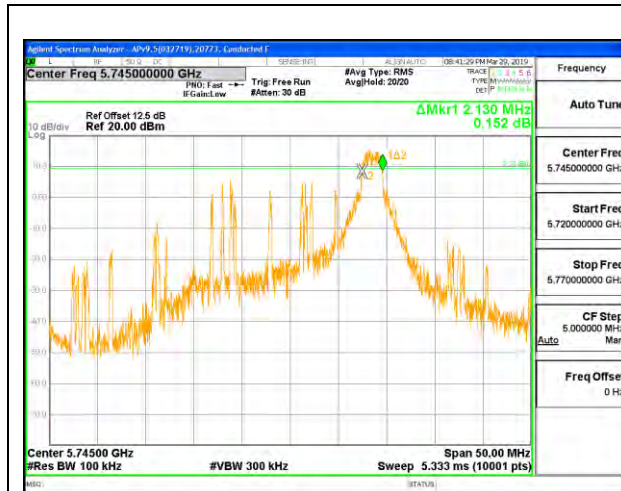
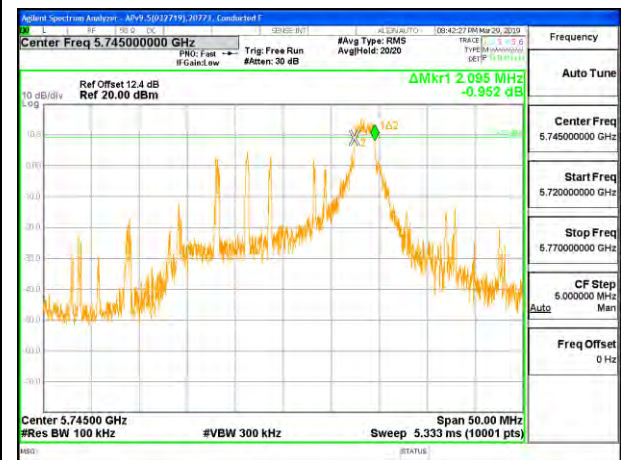
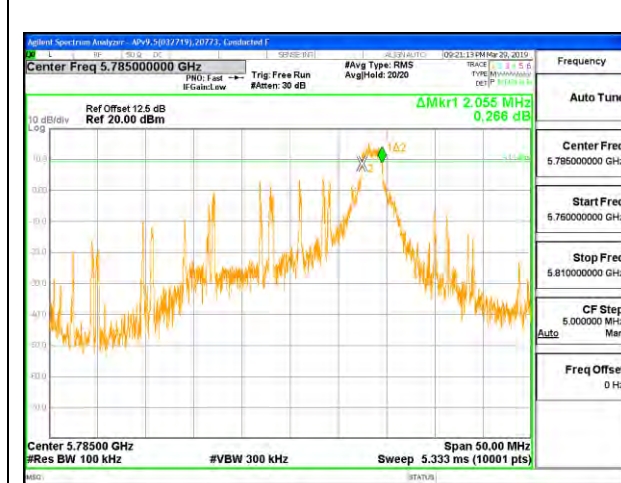
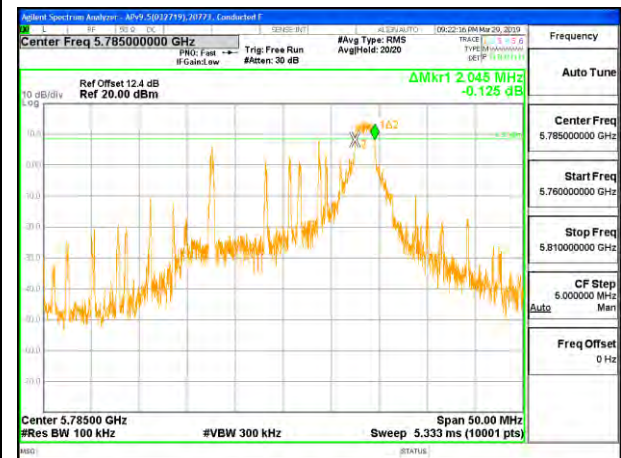
CHANNEL 144 ANT 4

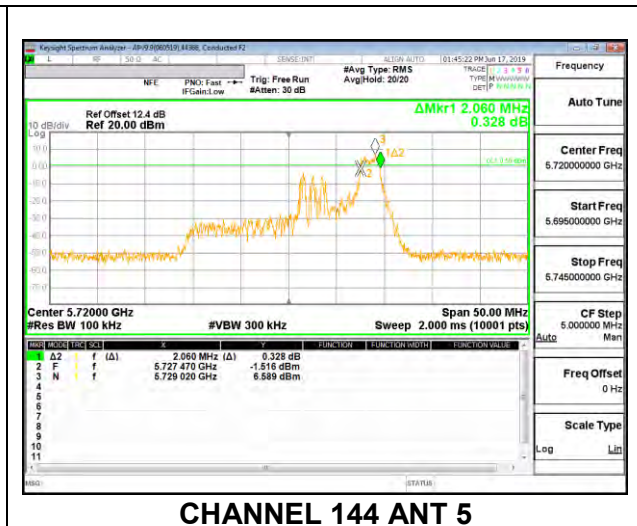
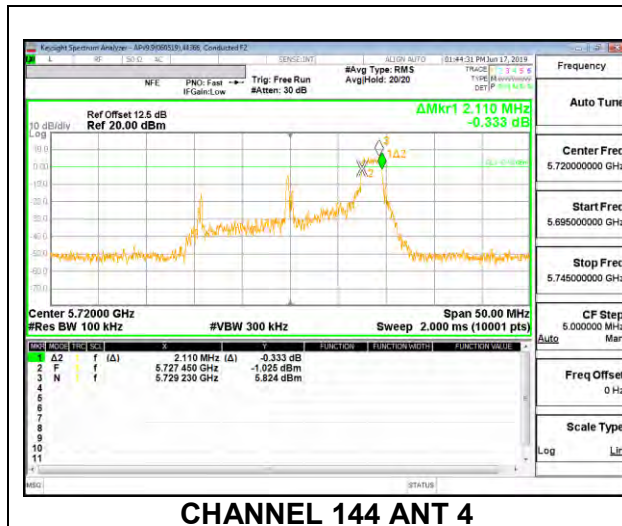
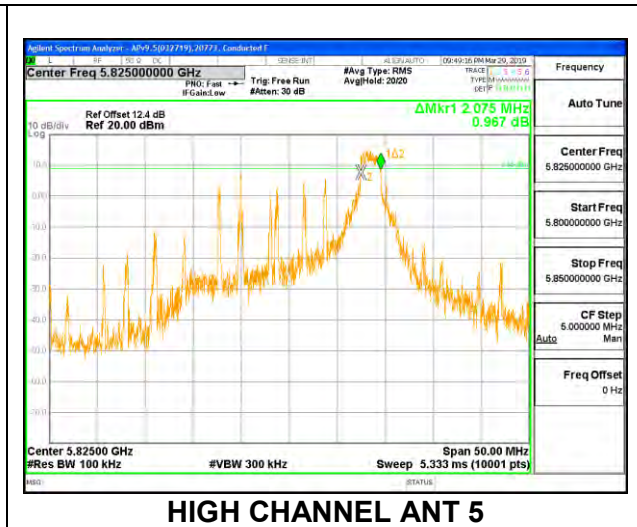
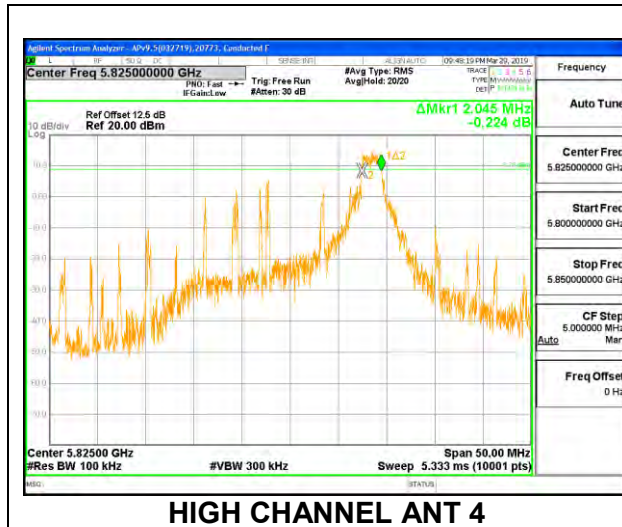
See note on section 8.4

CHANNEL 144 ANT 5

2TX Antenna 4 + Antenna 5 OFDMA MODE – 26 Tones, RU Index 8

Channel	Frequency (MHz)	6 dB BW Ant 4 (MHz)	6 dB BW Ant 5 (MHz)	Minimum Limit (MHz)
Low	5745	2.130	2.095	0.5
Mid	5785	2.055	2.045	0.5
High	5825	2.045	2.075	0.5
144	5720	2.110	2.060	0.5

**LOW CHANNEL ANT 4****LOW CHANNEL ANT 5****MID CHANNEL ANT 4****MID CHANNEL ANT 5**



8.4.5. 802.11ax HE40 MODE IN THE 5.8 GHz BAND

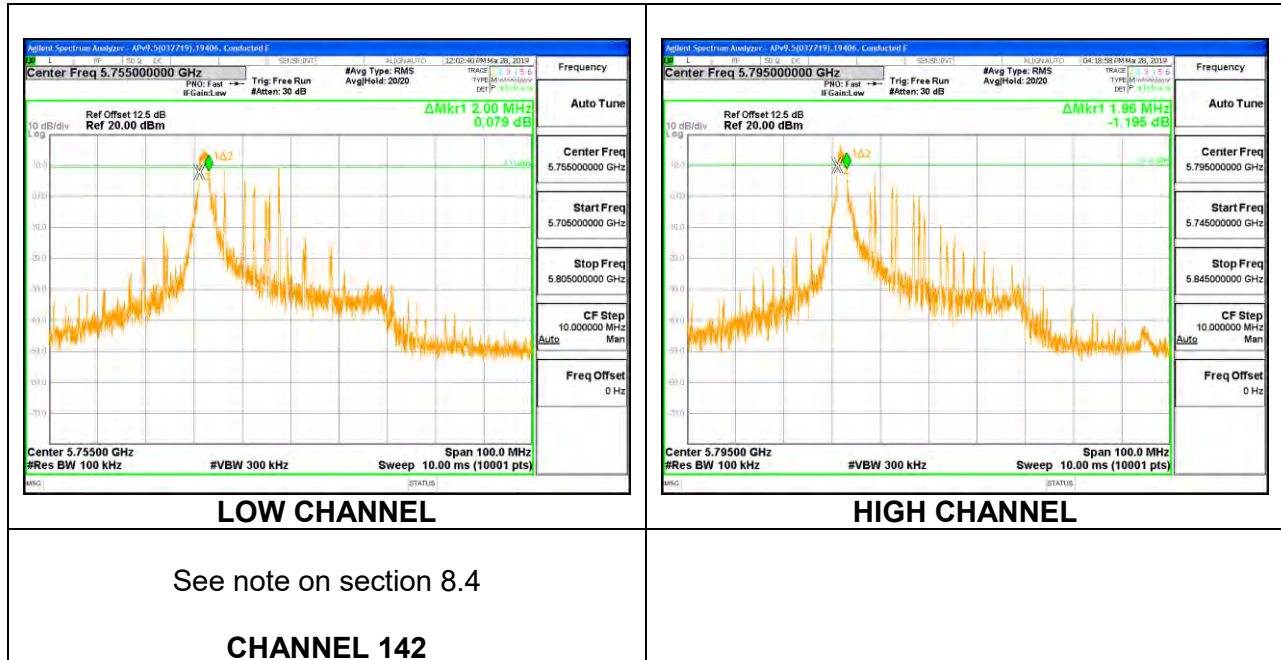
1TX Antenna 4 MODE – 484 Tones, RU Index 65

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)
Low	5755	36.660	0.5
High	5795	37.290	0.5
142	5710	4.020	0.5



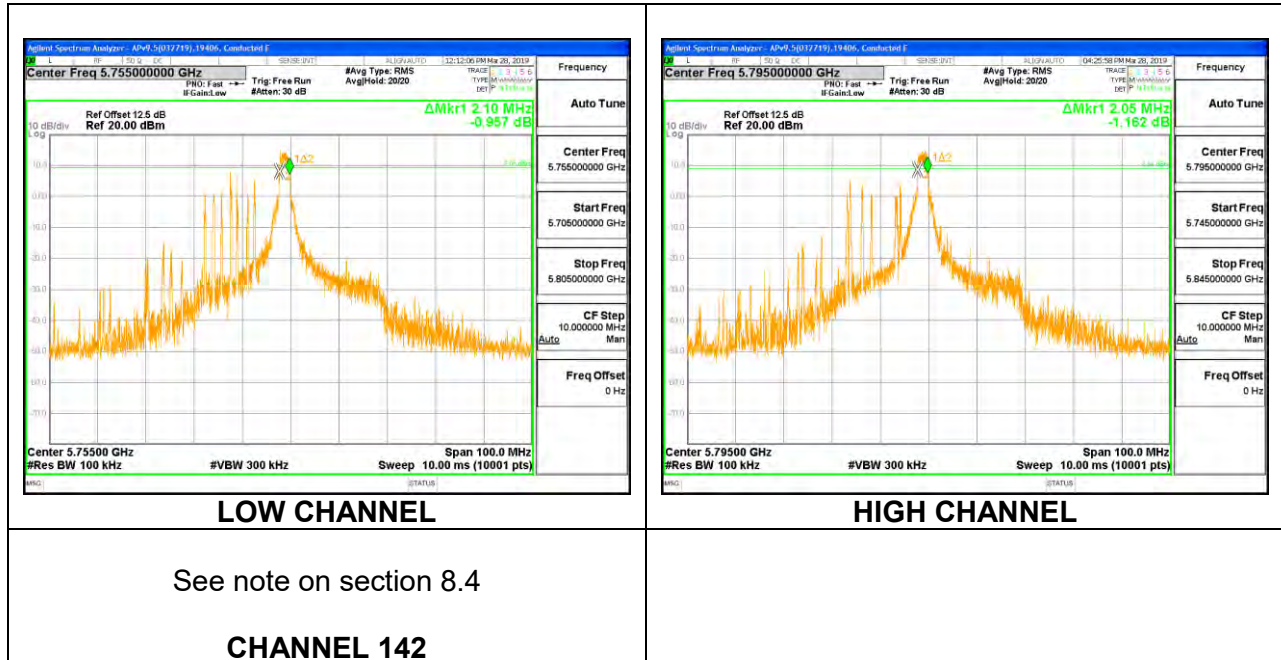
1TX Antenna 4 MODE – 26 Tones, RU Index 0

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



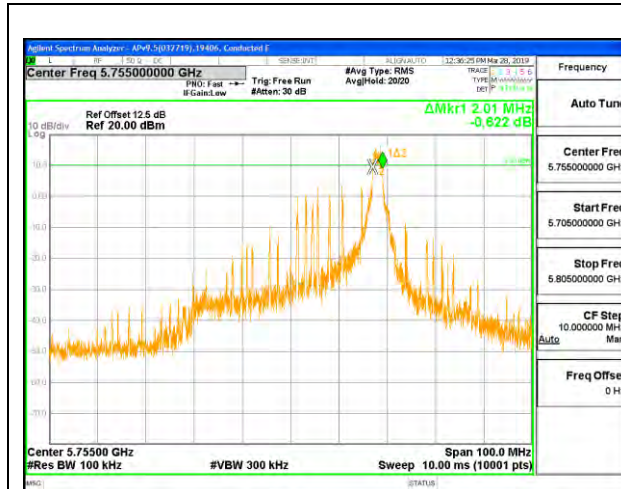
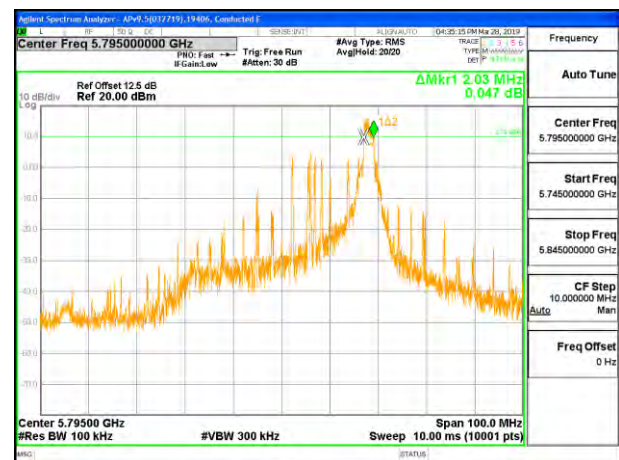
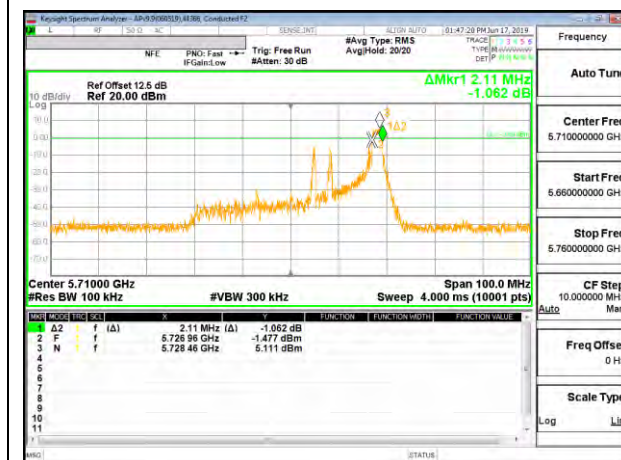
1TX Antenna 4 MODE – 26 Tones, RU Index 8

Channel	Frequency	6 dB Bandwidth	Minimum Limit
	(MHz)	(MHz)	(MHz)
Low	5755	2.100	0.5
High	5795	2.050	0.5



1TX Antenna 4 MODE – 26 Tones, RU Index 17

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)
Low	5755	2.010	0.5
High	5795	2.030	0.5
142	5710	2.110	0.5

**LOW CHANNEL****HIGH CHANNEL****CHANNEL 142**

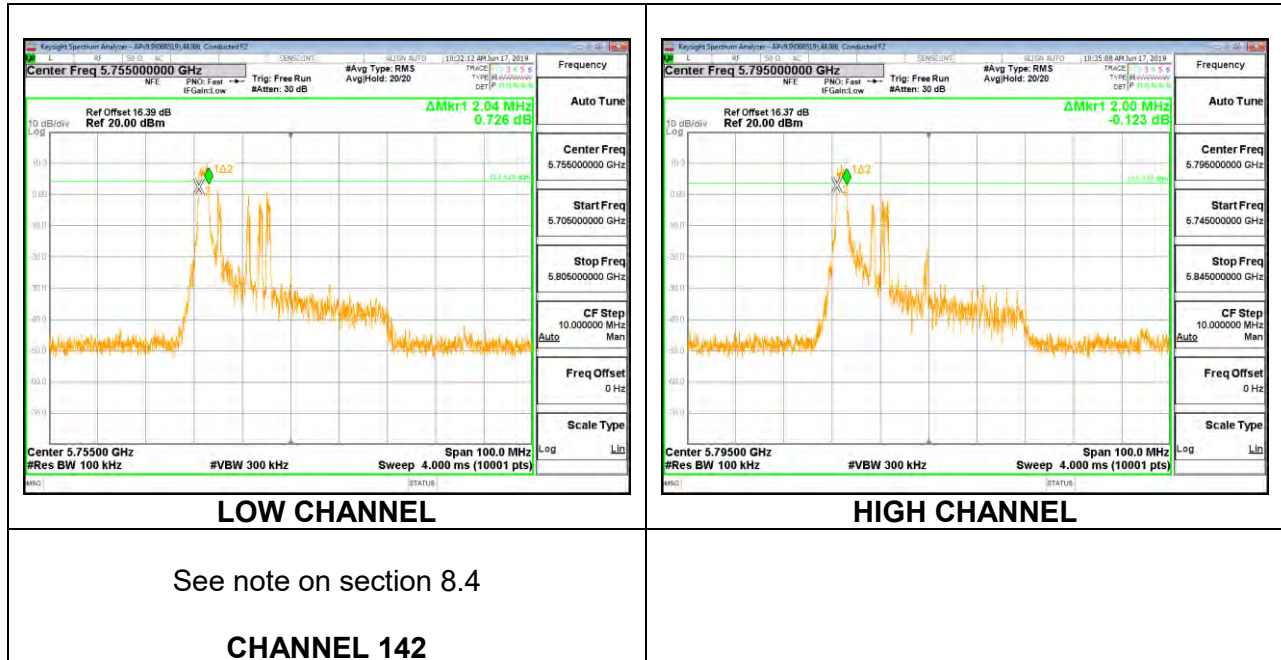
1TX Antenna 5 MODE – 484 Tones, RU Index 65

Channel	Frequency	6 dB Bandwidth	Minimum Limit
	(MHz)	(MHz)	(MHz)
Low	5755	31.960	0.5
High	5795	35.100	0.5
142	5710	4.010	0.5



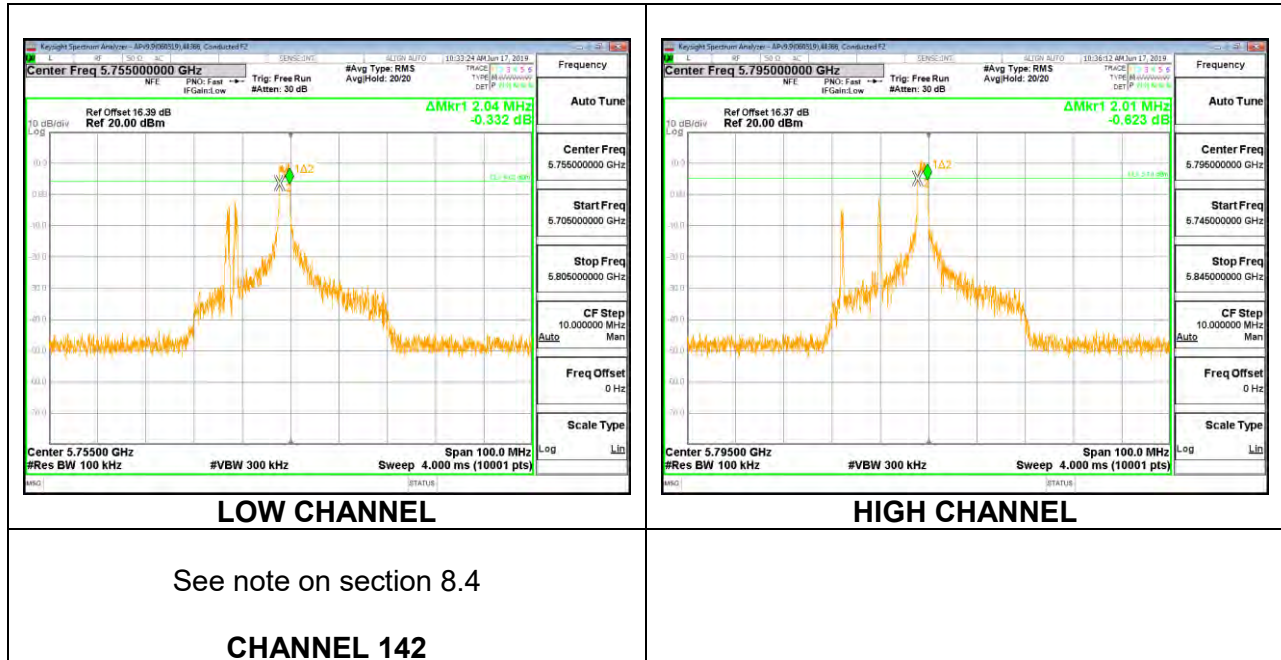
1TX Antenna 5 MODE – 26 Tones, RU Index 0

Channel	Frequency	6 dB Bandwidth	Minimum Limit
	(MHz)	(MHz)	(MHz)
Low	5755	2.040	0.5
High	5795	2.000	0.5



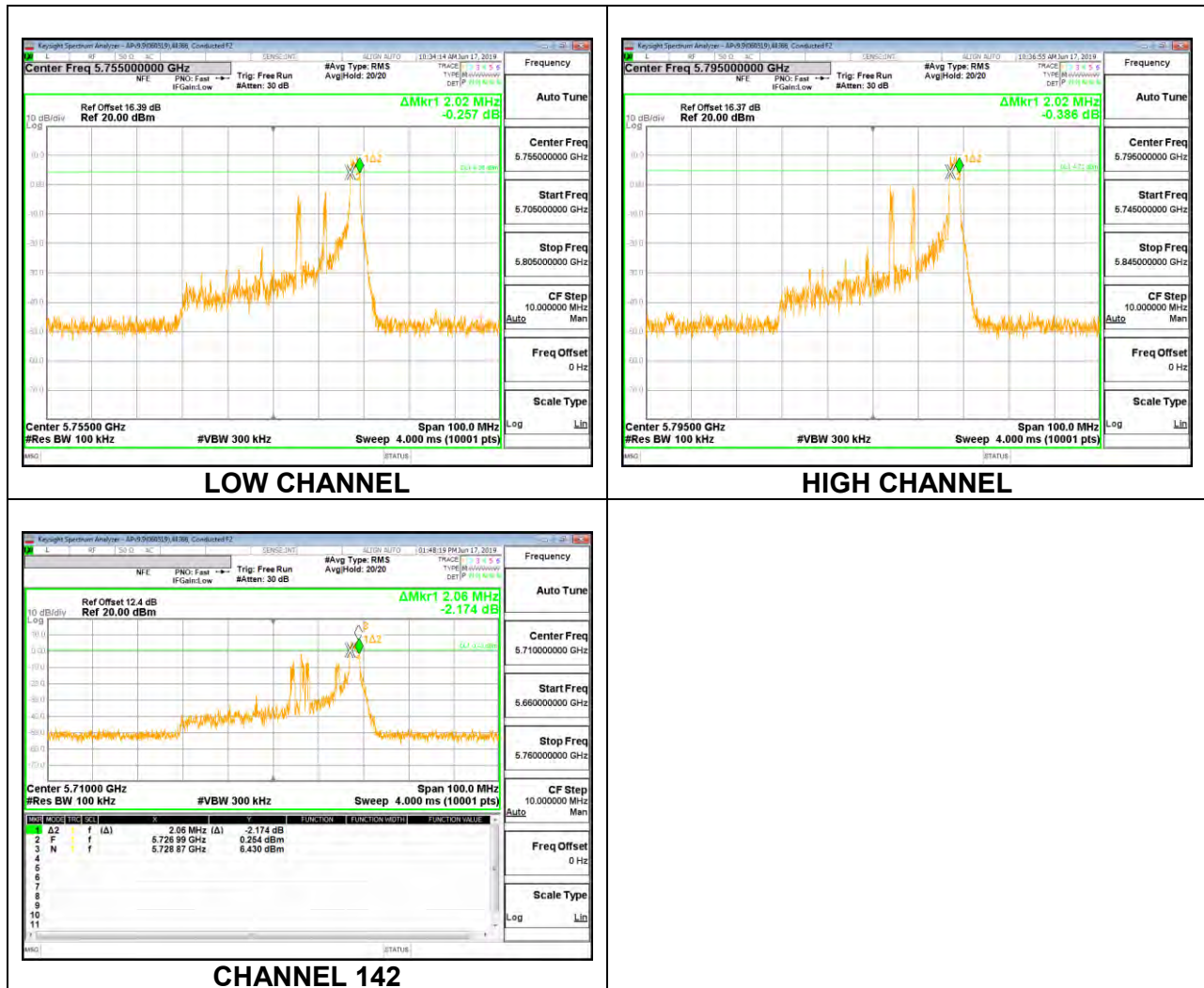
1TX Antenna 5 MODE – 26 Tones, RU Index 8

Channel	Frequency	6 dB Bandwidth	Minimum Limit
	(MHz)	(MHz)	(MHz)
Low	5755	2.040	0.5
High	5795	2.010	0.5



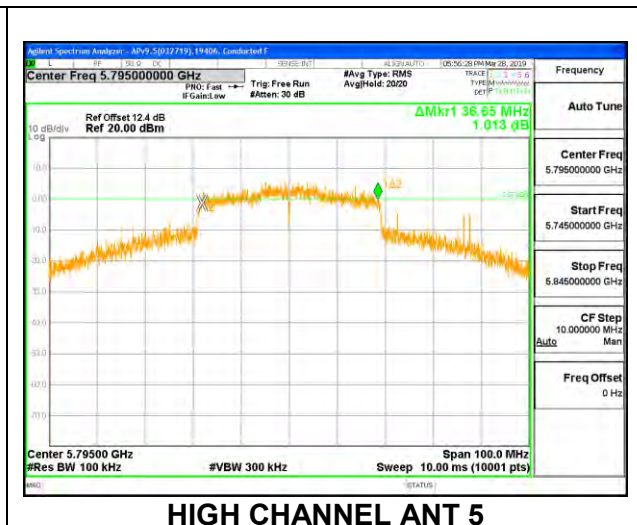
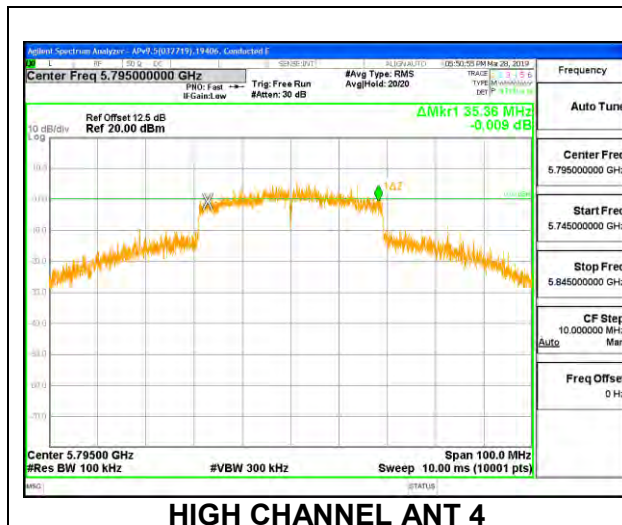
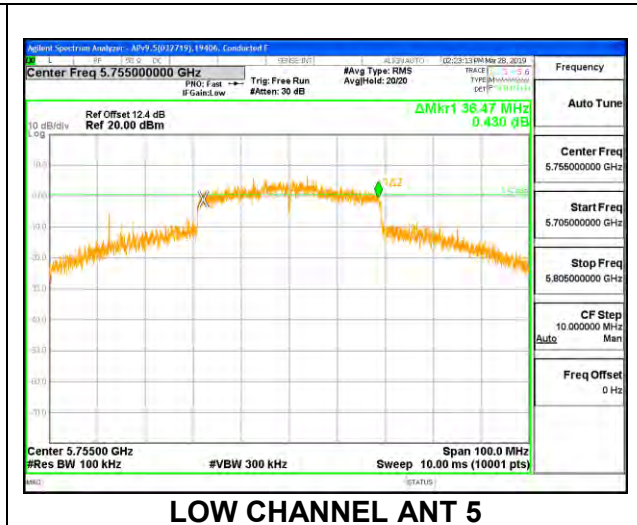
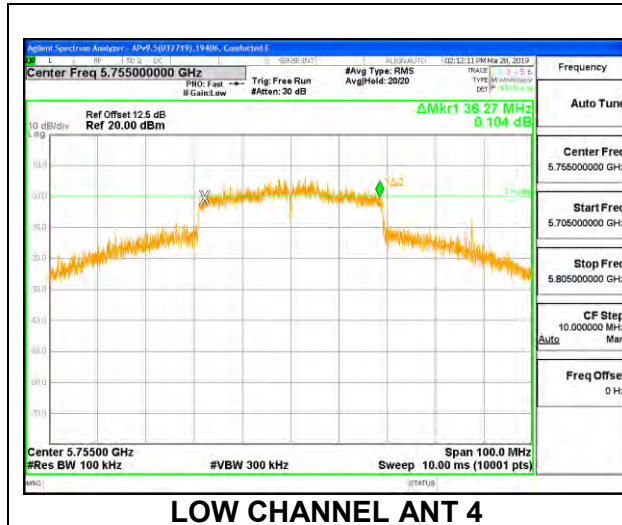
1TX Antenna 5 MODE – 26 Tones, RU Index 17

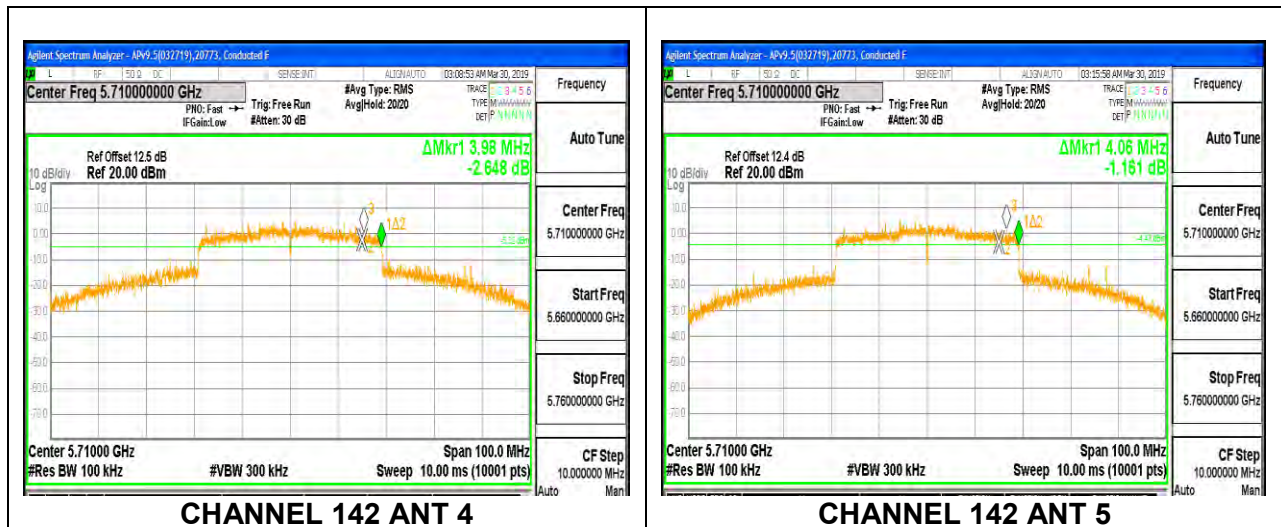
Channel	Frequency	6 dB Bandwidth	Minimum Limit
	(MHz)	(MHz)	(MHz)
Low	5755	2.020	0.5
High	5795	2.020	0.5
142	5710	2.060	0.5



2TX Antenna 4 + Antenna 5 OFDMA MODE – 484 Tones, RU Index 65

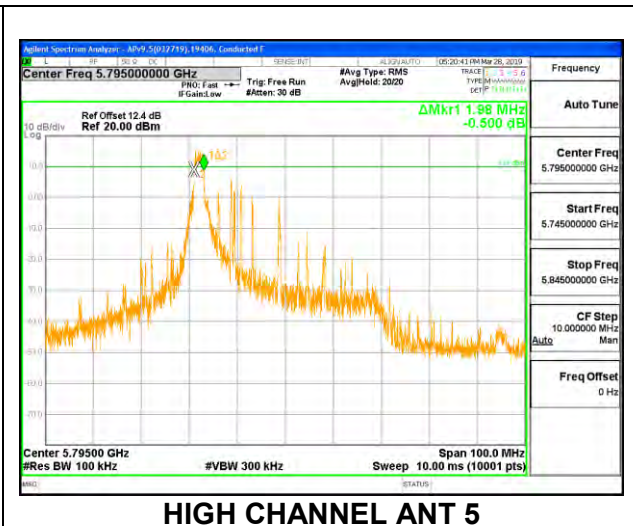
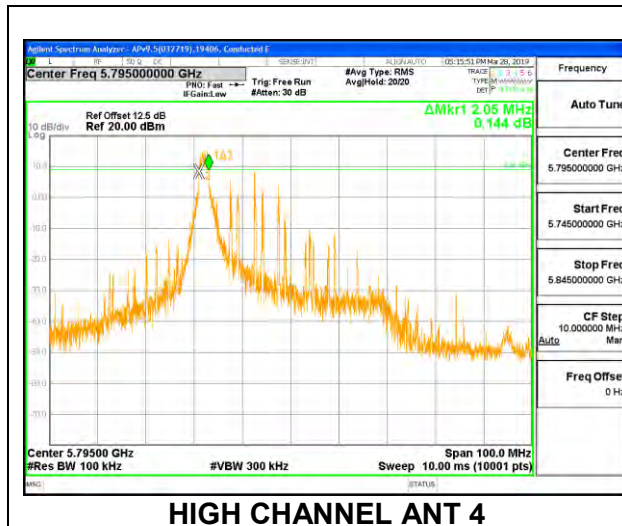
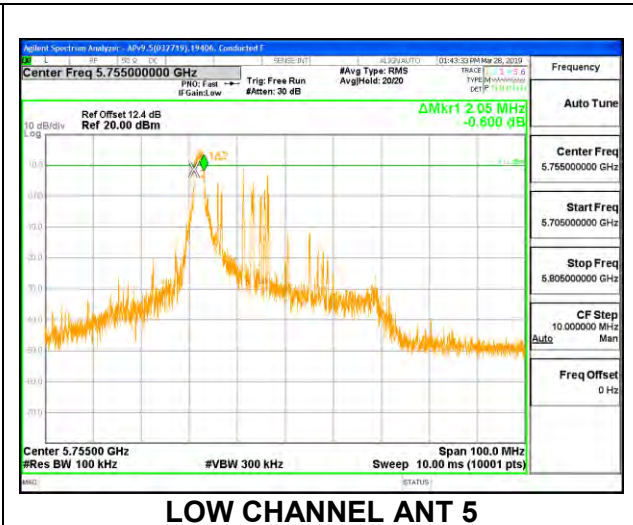
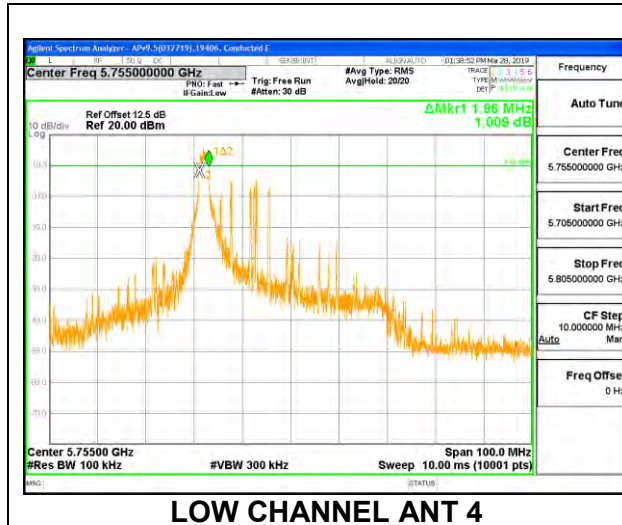
Channel	Frequency (MHz)	6 dB BW Ant 4 (MHz)	6 dB BW Ant 5 (MHz)	Minimum Limit (MHz)
Low	5755	36.270	36.470	0.5
High	5795	35.360	36.650	0.5
142	5710	3.980	4.060	0.5





2TX Antenna 4 + Antenna 5 OFDMA MODE – 26 Tones, RU Index 0

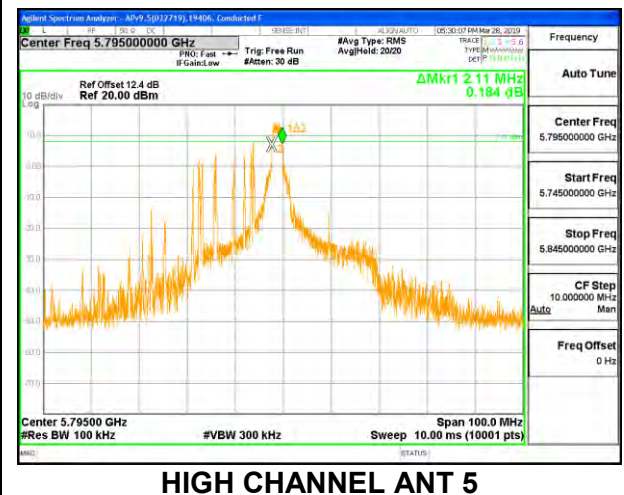
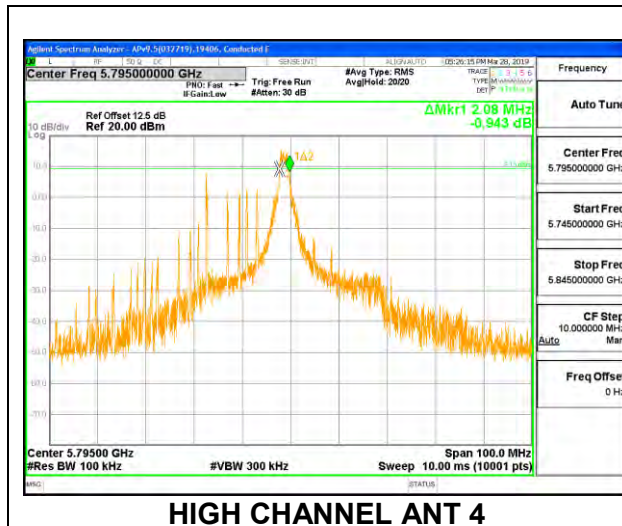
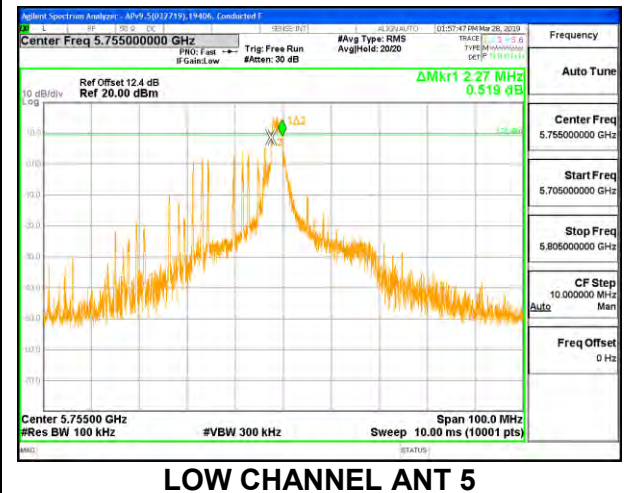
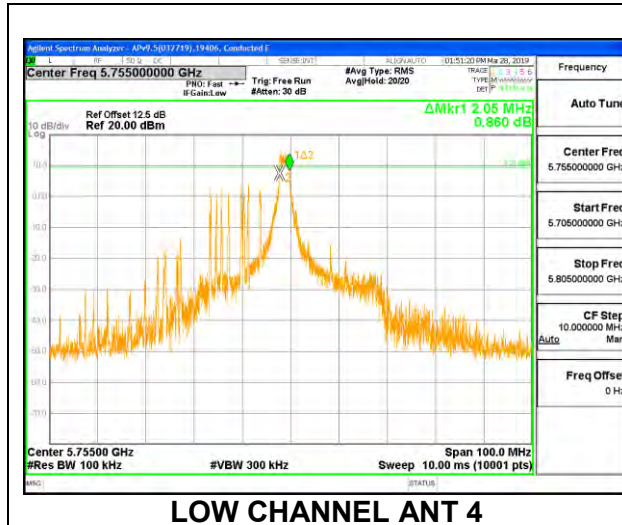
Channel	Frequency (MHz)	6 dB BW Ant 4 (MHz)	6 dB BW Ant 5 (MHz)	Minimum Limit (MHz)
Low	5755	1.960	2.050	0.5
High	5795	2.050	1.980	0.5



See note on section 8.4 CHANNEL 142 ANT 4	See note on section 8.4 CHANNEL 142 ANT 5
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2TX Antenna 4 + Antenna 5 OFDMA MODE – 26 Tones, RU Index 8

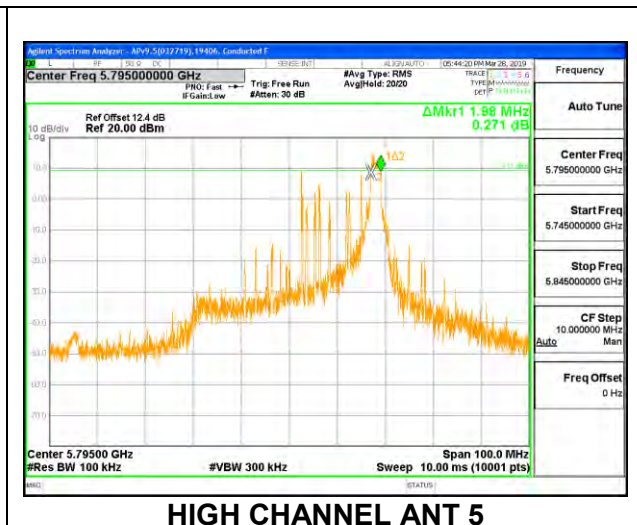
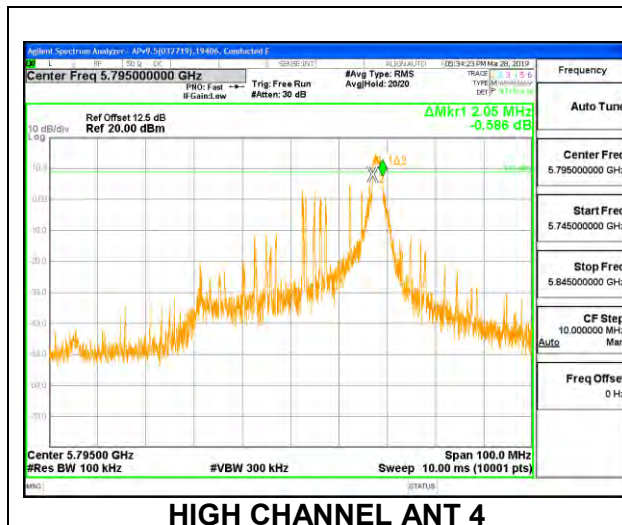
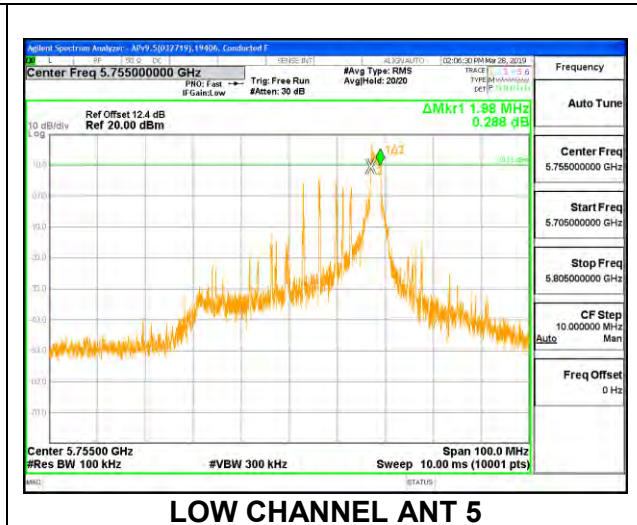
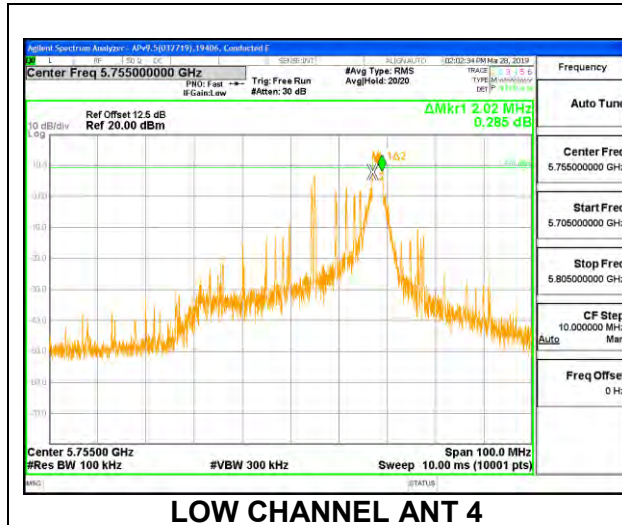
Channel	Frequency (MHz)	6 dB BW Ant 4 (MHz)	6 dB BW Ant 5 (MHz)	Minimum Limit (MHz)
Low	5755	2.050	2.270	0.5
High	5795	2.080	2.110	0.5

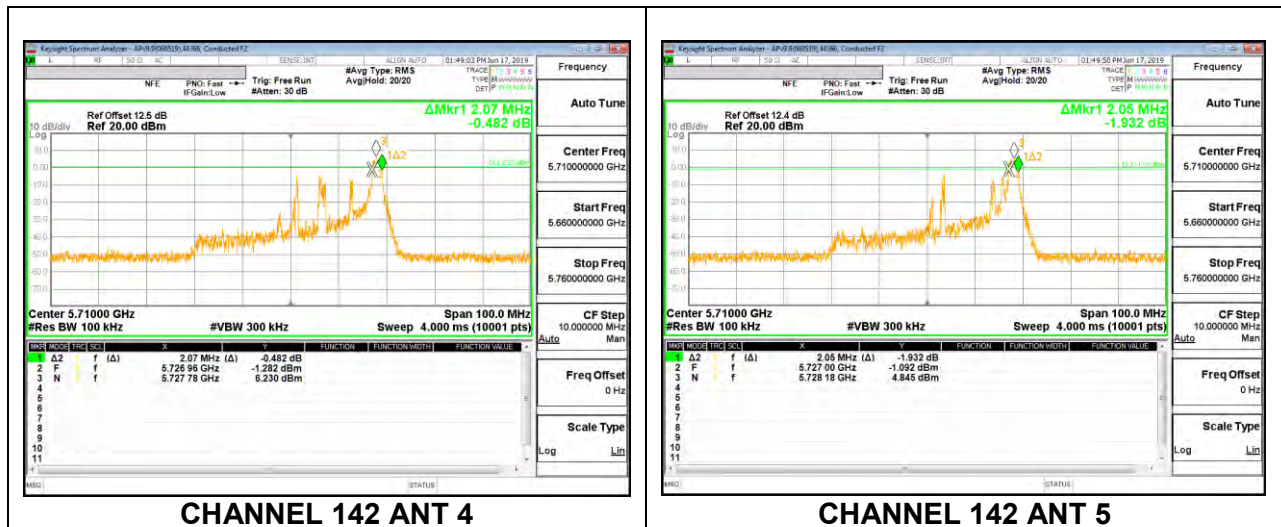


See note on section 8.4 CHANNEL 142 ANT 4	See note on section 8.4 CHANNEL 142 ANT 5
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2TX Antenna 4 + Antenna 5 OFDMA MODE – 26 Tones, RU Index 17

Channel	Frequency (MHz)	6 dB BW Ant 4 (MHz)	6 dB BW Ant 5 (MHz)	Minimum Limit (MHz)
Low	5755	2.020	1.980	0.5
High	5795	2.050	1.980	0.5
142	5710	2.070	2.050	0.5

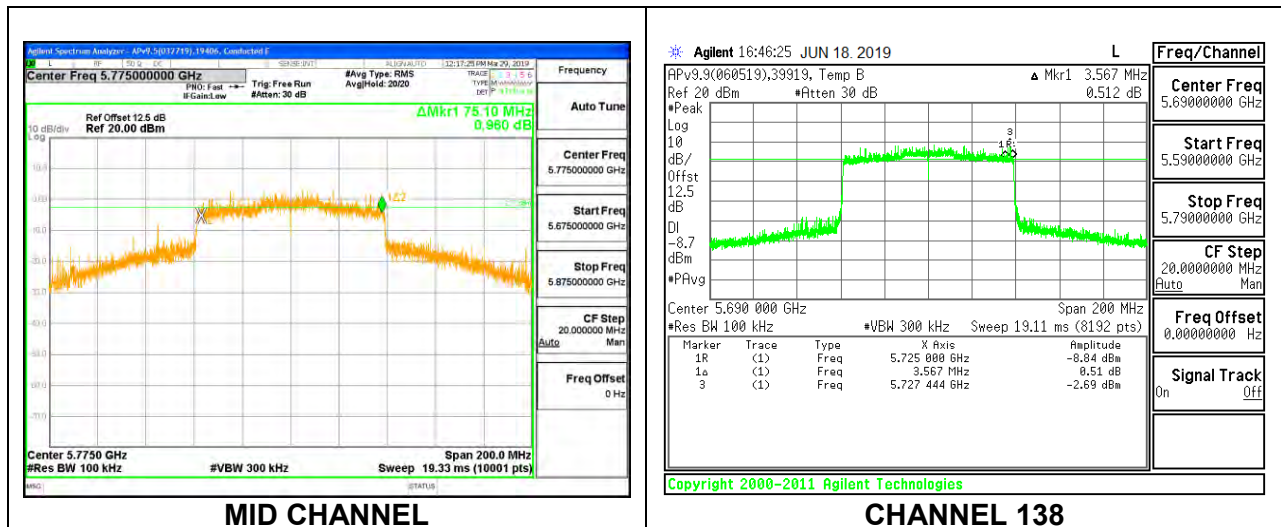




8.4.6. 802.11ax HE80 MODE IN THE 5.8 GHz BAND

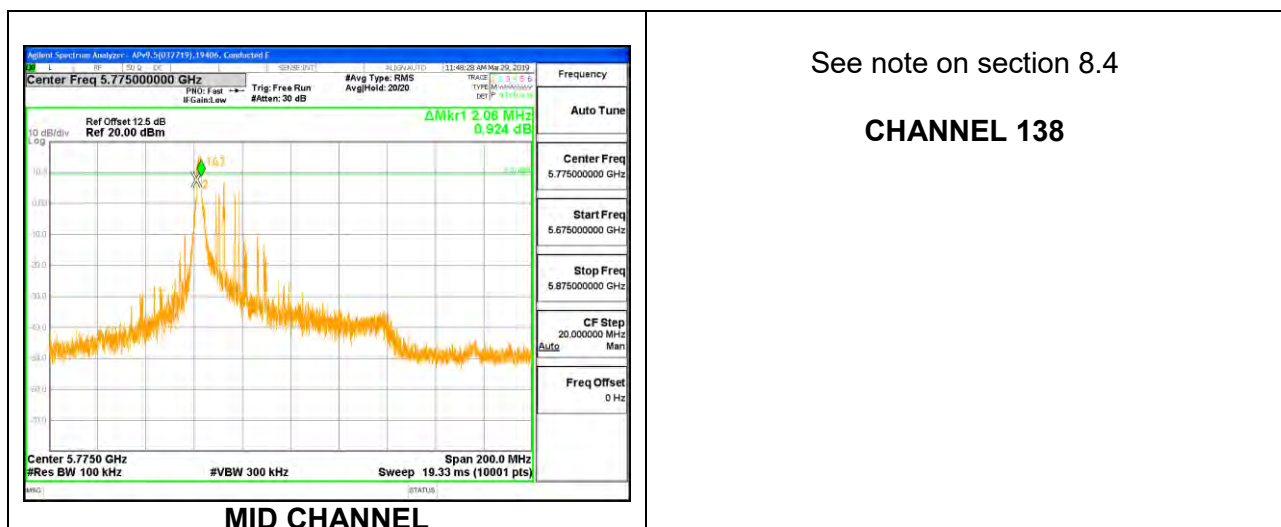
1TX Antenna 4 MODE – 996 Tones, RU Index 67

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)
Mid	5775	75.100	0.5
138	5690	3.567	0.5



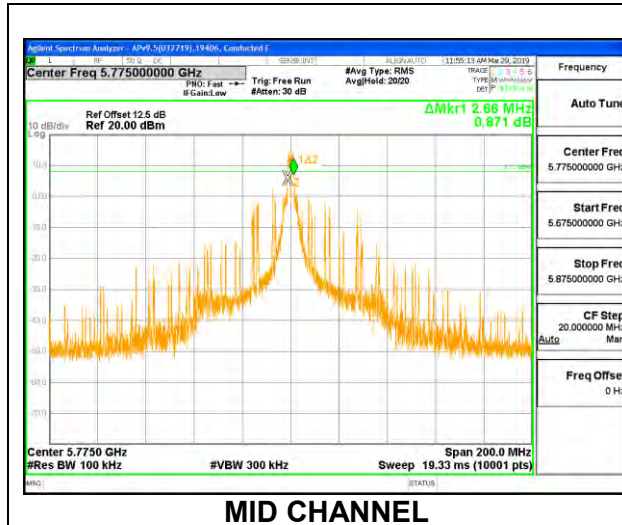
1TX Antenna 4 MODE – 26 Tones, RU Index 0

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



1TX Antenna 4 MODE – 26 Tones, RU Index 18

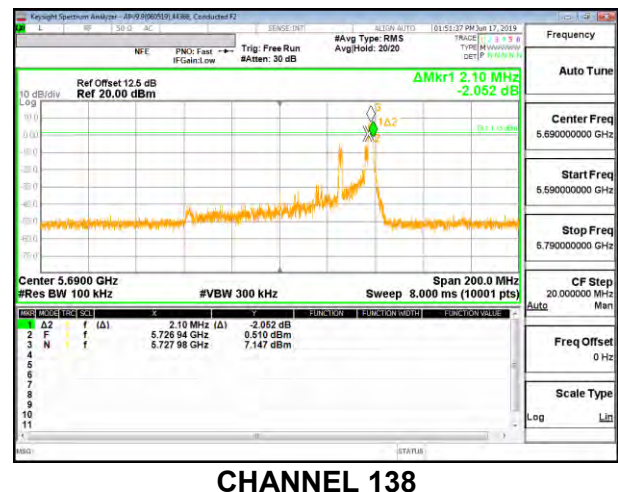
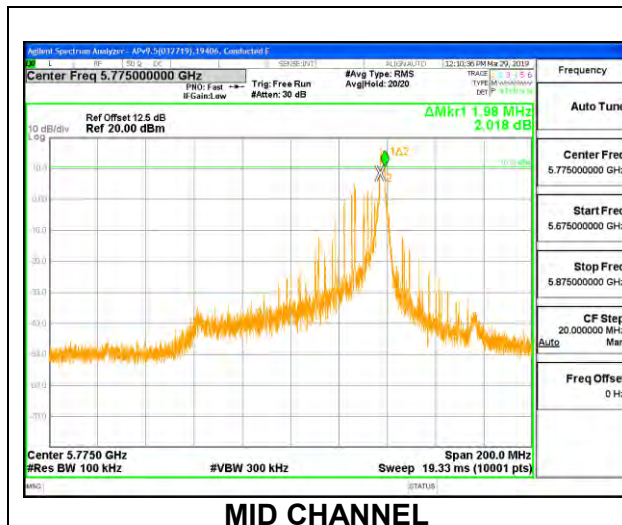
Channel	Frequency	6 dB Bandwidth	Minimum Limit
	(MHz)	(MHz)	(MHz)
Mid	5775	2.660	0.5



See note on section 8.4

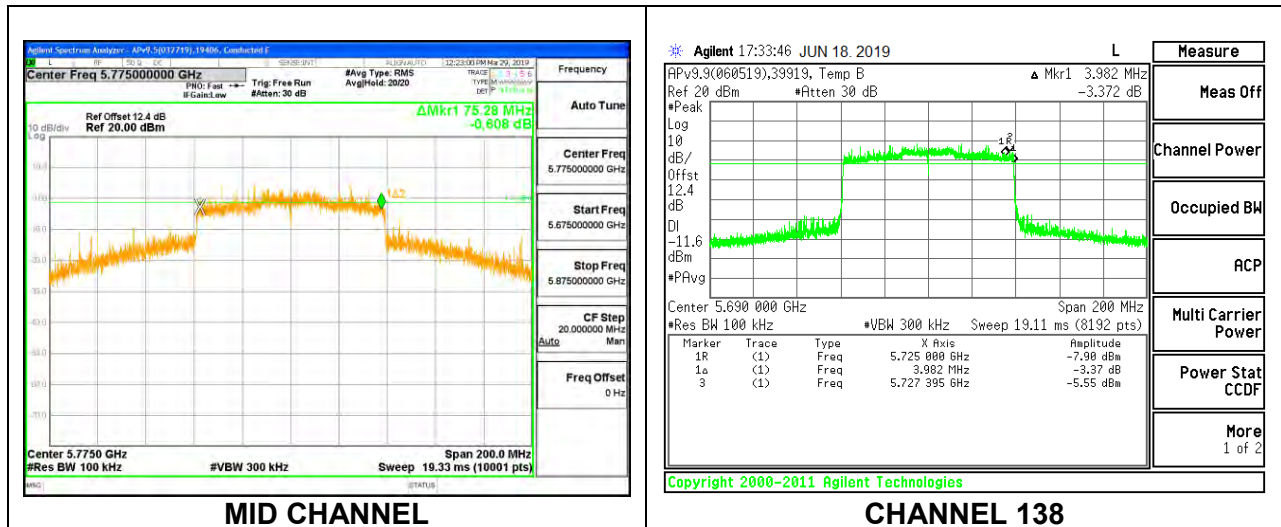
CHANNEL 138**1TX Antenna 4 MODE – 26 Tones, RU Index 36**

Channel	Frequency	6 dB Bandwidth	Minimum Limit
	(MHz)	(MHz)	(MHz)
Mid	5775	1.980	0.5
138	5690	2.100	0.5

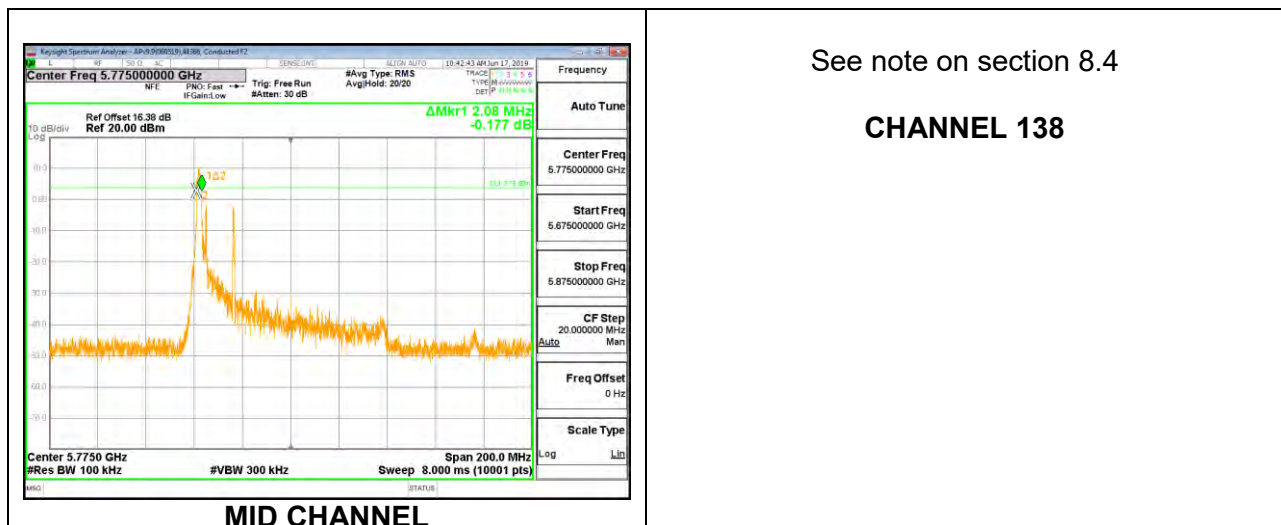


1TX Antenna 5 MODE – 996 Tones, RU Index 67

Channel	Frequency	6 dB Bandwidth	Minimum Limit
	(MHz)	(MHz)	(MHz)
Mid	5775	75.280	0.5
138	5690	3.982	0.5

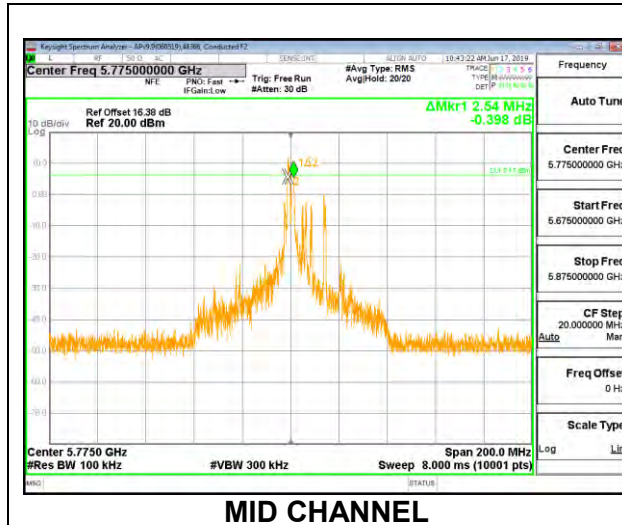
**1TX Antenna 5 MODE – 26 Tones, RU Index 0**

Channel	Frequency	6 dB Bandwidth	Minimum Limit
	(MHz)	(MHz)	(MHz)
Mid	5775	2.080	0.5



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

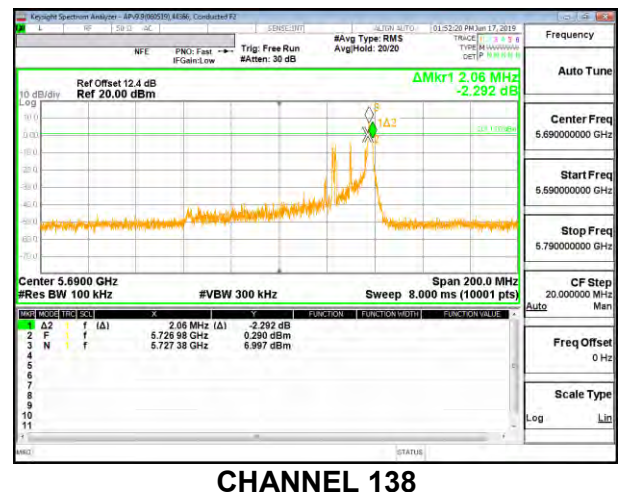
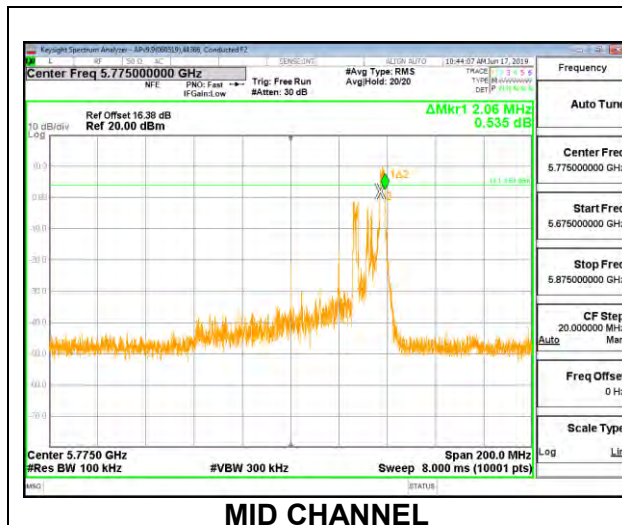
Channel	Frequency	6 dB Bandwidth	Minimum Limit
	(MHz)	(MHz)	(MHz)
Mid	5775	2.540	0.5



See note on section 8.4

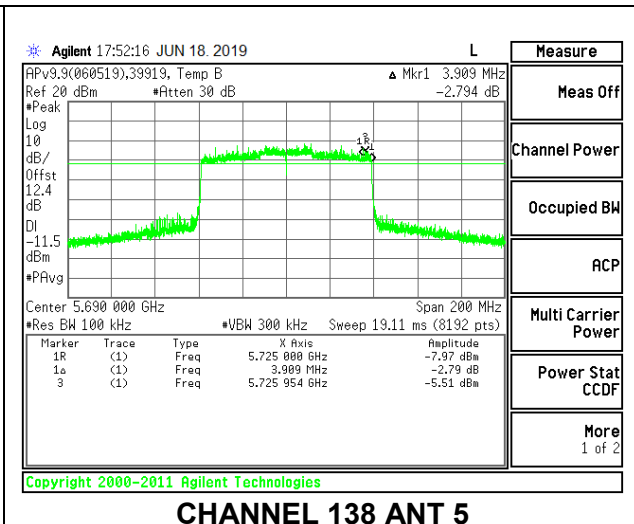
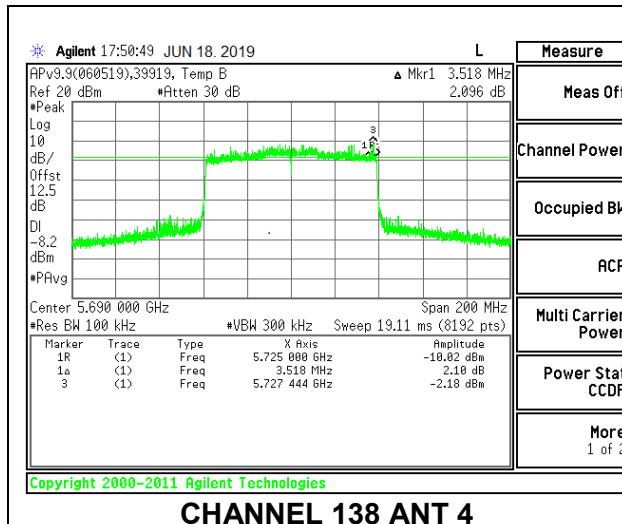
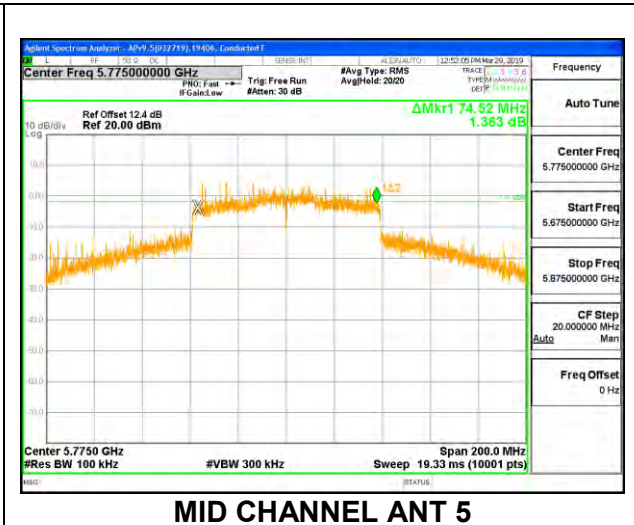
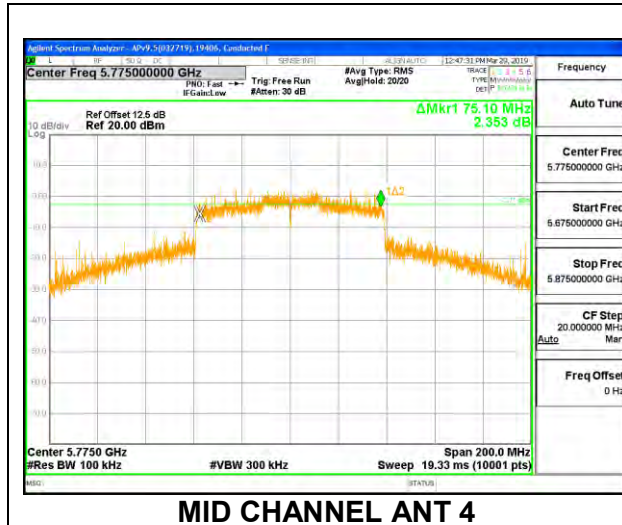
CHANNEL 138**1TX Antenna 5 MODE – 26 Tones, RU Index 36**

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



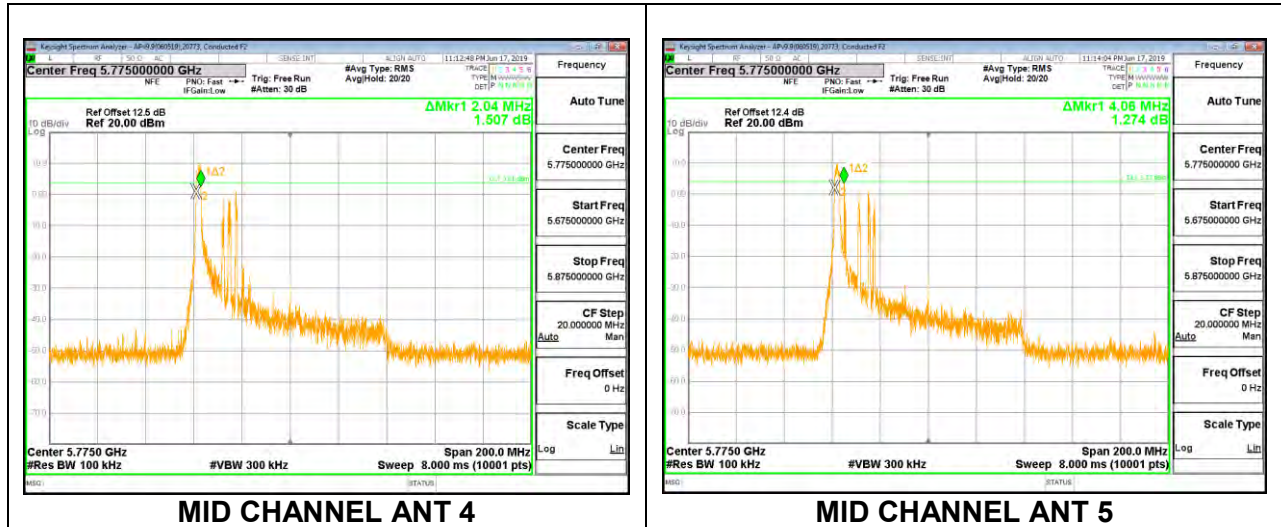
2TX Antenna 4 + Antenna 5 OFDMA MODE – 996 Tones, RU Index 67

Channel	Frequency (MHz)	6 dB BW Ant 4 (MHz)	6 dB BW Ant 5 (MHz)	Minimum Limit (MHz)
Mid	5775	75.100	74.520	0.5
138	5690	3.518	3.909	0.5



2TX Antenna 4 + Antenna 5 OFDMA MODE – 26 Tones, RU Index 0

Channel	Frequency (MHz)	6 dB BW Ant 4 (MHz)	6 dB BW Ant 5 (MHz)	Minimum Limit (MHz)
Mid	5775	2.040	4.060	0.5



See note on section 8.4

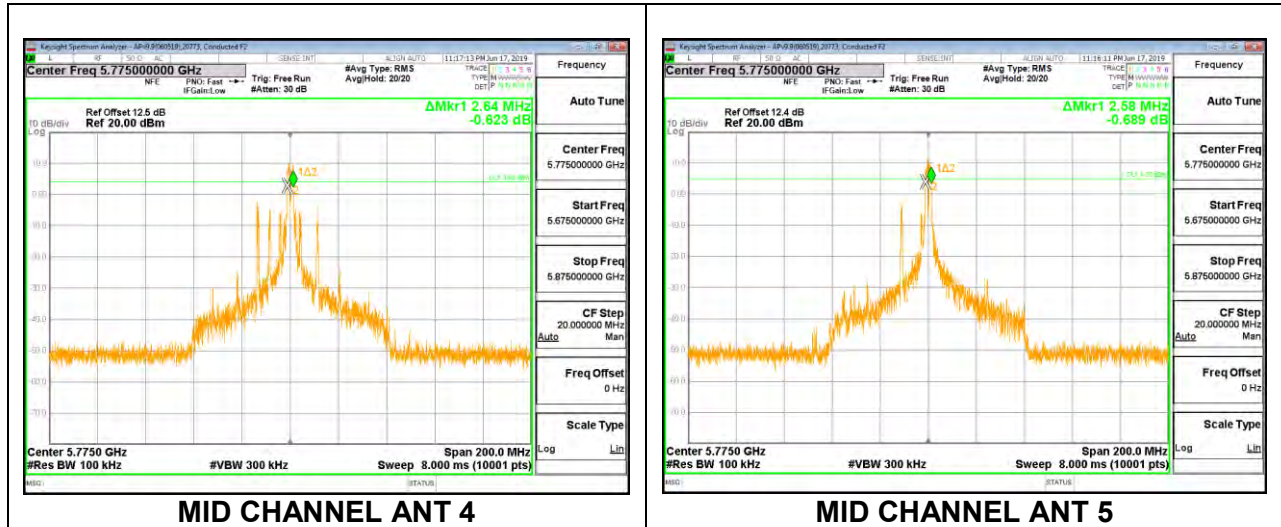
CHANNEL 138 ANT 4

See note on section 8.4

CHANNEL 138 ANT 5

2TX Antenna 4 + Antenna 5 OFDMA MODE – 26 Tones, RU Index 18

Channel	Frequency (MHz)	6 dB BW Ant 4 (MHz)	6 dB BW Ant 5 (MHz)	Minimum Limit (MHz)
Mid	5775	2.640	2.580	0.5



See note on section 8.4

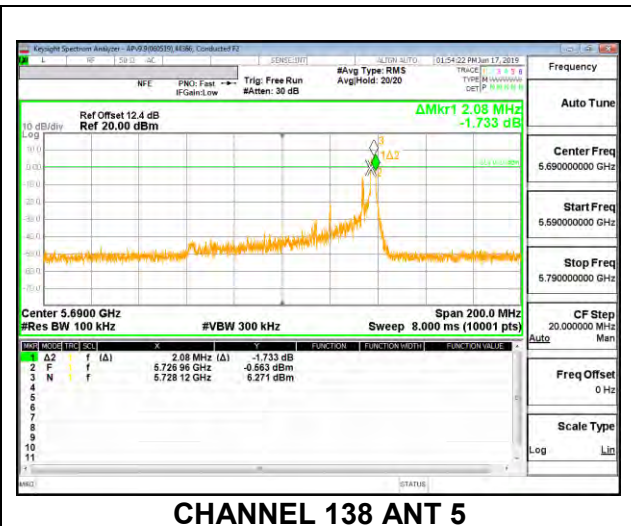
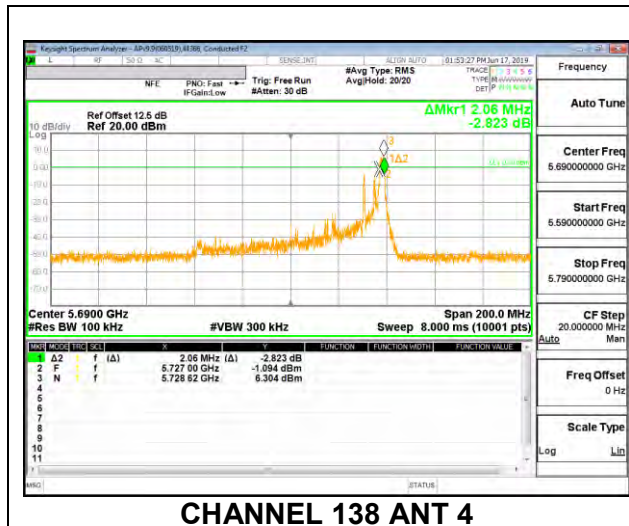
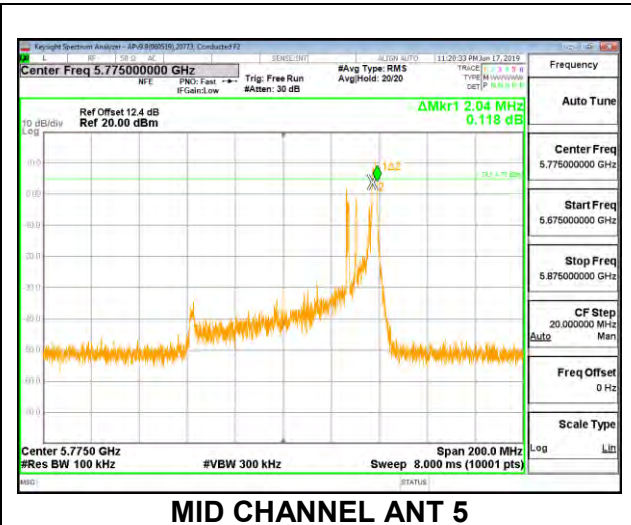
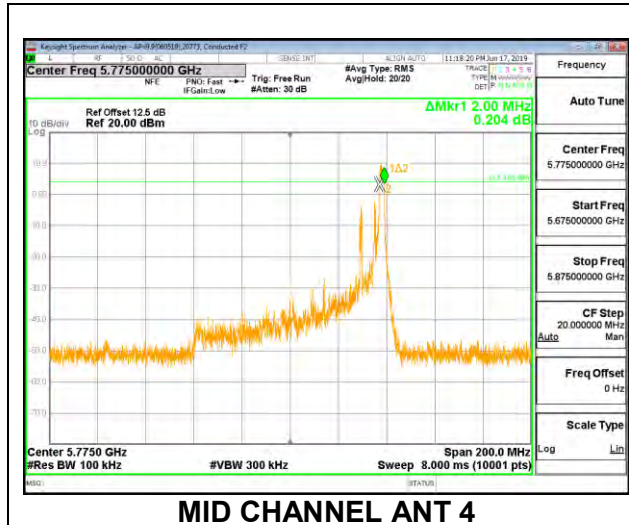
CHANNEL 138 ANT 4

See note on section 8.4

CHANNEL 138 ANT 5

2TX Antenna 4 + Antenna 5 OFDMA MODE – 26 Tones, RU Index 36

Channel	Frequency (MHz)	6 dB BW Ant 4 (MHz)	6 dB BW Ant 5 (MHz)	Minimum Limit (MHz)
Mid	5775	2.000	2.040	0.5
138	5690	2.060	2.080	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 $11 \text{ dBm} + 10 \log B$, 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-1) was used.

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

$11n \text{ HT20 and } 11ax \text{ HE20 straddle channel } 26\text{dB bandwidth} = (26\text{dB BW}/2)+5$

Straddle channel output power results for HT20/HT40/VHT80 modes reported in sections 8.5.13 to 8.5.18 are the level measured against UNII Band 2C. For HE20/40/80 modes, full channel power level of straddle channels are reported.

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)	ANT 4 Gain (dBi)	ANT 5 Gain (dBi)	Uncorrelated Chains Directional Gain (dBi)	Correlated Chains Directional Gain (dBi)
5.2	-6.0	-1.1	-2.89	-0.20
5.3	-5.8	-1.3	-2.99	-0.25
5.6	-4.0	-1.2	-2.38	0.52
5.8	-4.1	-1.7	-2.74	0.19

RESULTS**8.5.1. 802.11n HT20 MODE IN THE 5.2 GHz BAND (FCC)****1TX Antenna 4 MODE (FCC) MOBILE****Bandwidth and Antenna Gain**

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)
Low	5180	22.05	-6.0
Mid	5200	22.35	-6.0
High	5240	22.30	-6.0

Limits

Channel	Frequency (MHz)	FCC Power Limit (dBm)	ISED EIRP Limit (dBm)	Max ISED Power (dBm)	Power Limit (dBm)	FCC PSD Limit (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)
Low	5180	24.00	23.00	29.00	24.00	11.00	11.00
Mid	5200	24.00	23.00	29.00	24.00	11.00	11.00
High	5240	24.00	23.00	29.00	24.00	11.00	11.00

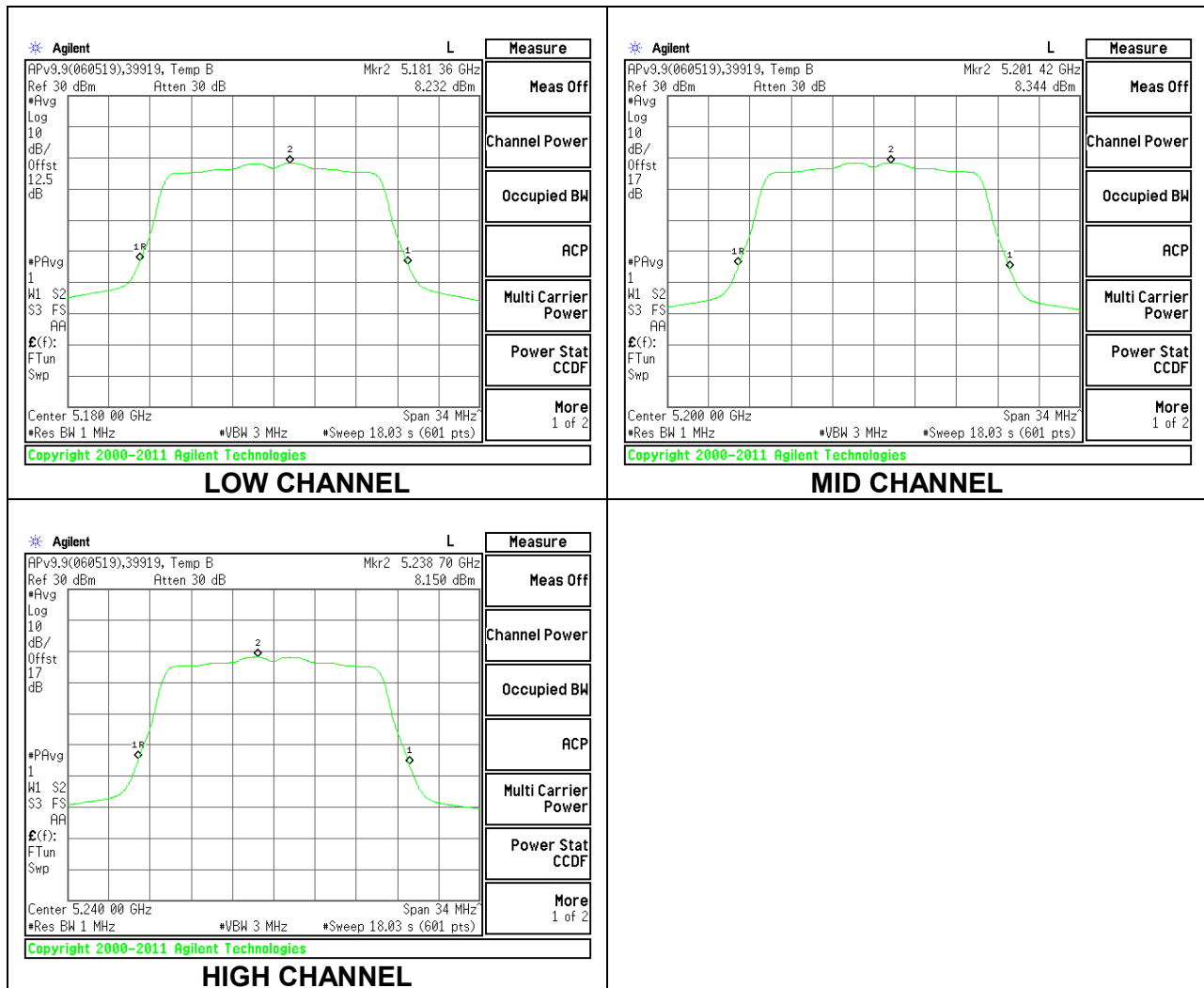
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5180	18.80	18.80	24.00	-5.20
Mid	5200	20.73	20.73	24.00	-3.27
High	5240	20.68	20.68	24.00	-3.32

PSD Results

Channel	Frequency (MHz)	Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5180	8.232	8.23	11.00	-2.77
Mid	5200	8.344	8.34	11.00	-2.66
High	5240	8.150	8.15	11.00	-2.85



1TX Antenna 5 MODE (FCC) MOBILE**Bandwidth and Antenna Gain**

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)
Low	5180	22.10	-1.1
Mid	5200	22.20	-1.1
High	5240	22.15	-1.1

Limits

Channel	Frequency (MHz)	FCC Power Limit (dBm)	ISED EIRP Limit (dBm)	Max ISED Power (dBm)	Power Limit (dBm)	FCC PSD Limit (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)
Low	5180	24.00	23.00	24.10	24.00	11.00	11.00
Mid	5200	24.00	23.00	24.10	24.00	11.00	11.00
High	5240	24.00	23.00	24.10	24.00	11.00	11.00

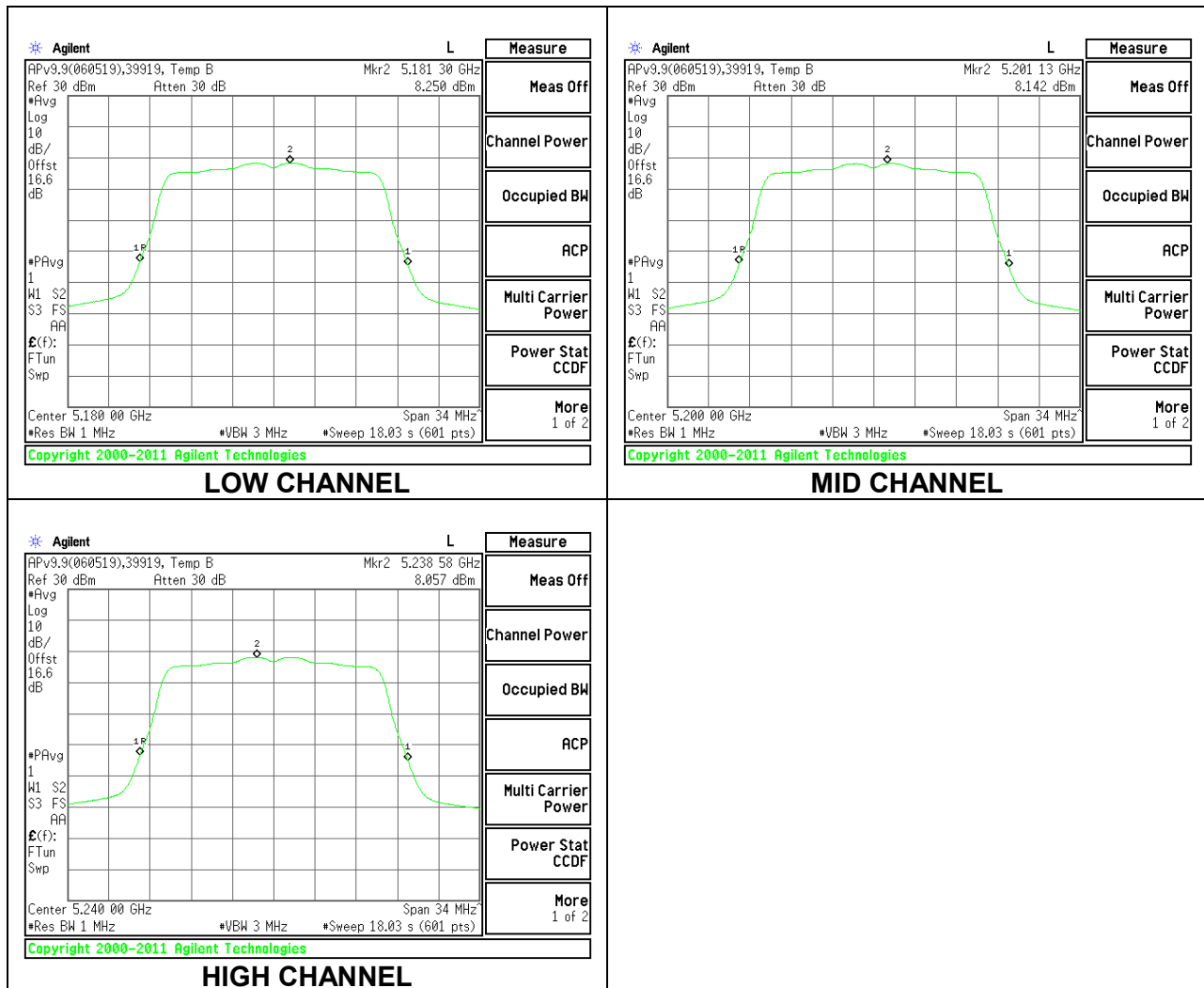
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5180	18.71	18.71	24.00	-5.29
Mid	5200	20.69	20.69	24.00	-3.31
High	5240	20.64	20.64	24.00	-3.36

PSD Results

Channel	Frequency (MHz)	Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5180	8.250	8.25	11.00	-2.75
Mid	5200	8.142	8.14	11.00	-2.86
High	5240	8.057	8.06	11.00	-2.94



2TX Antenna 4 + Antenna 5 CDD MODE (FCC) MOBILE**Bandwidth and Antenna Gain**

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)
Low	5180	21.70	-2.89	-0.20
Mid	5200	21.75	-2.89	-0.20
High	5240	21.85	-2.89	-0.20

Limits

Channel	Frequency (MHz)	FCC Power Limit (dBm)	ISED EIRP Limit (dBm)	Max ISED Power (dBm)	Power Limit (dBm)	FCC PSD Limit (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)
Low	5180	24.00	23.00	25.89	24.00	11.00	11.00
Mid	5200	24.00	23.00	25.89	24.00	11.00	11.00
High	5240	24.00	23.00	25.89	24.00	11.00	11.00

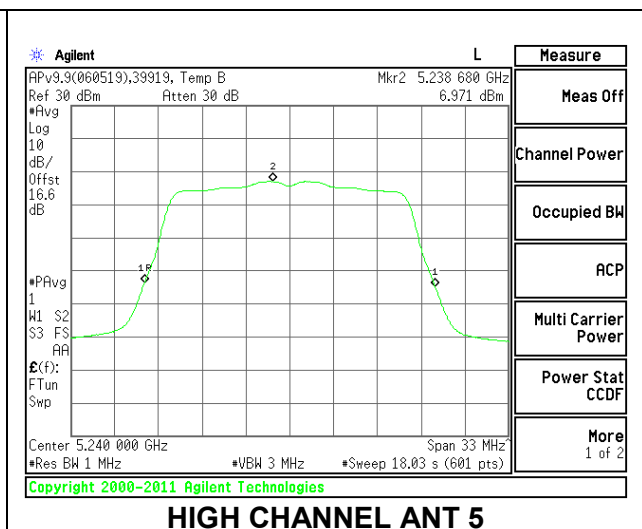
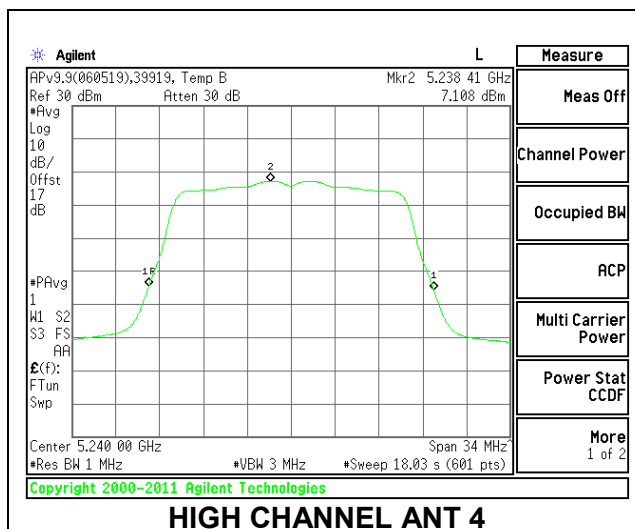
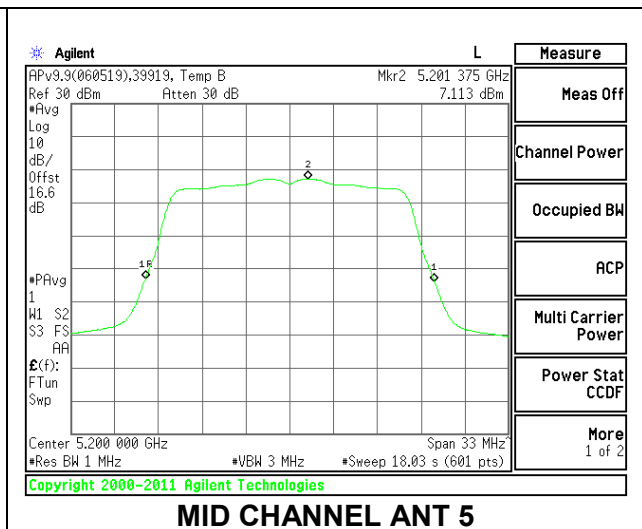
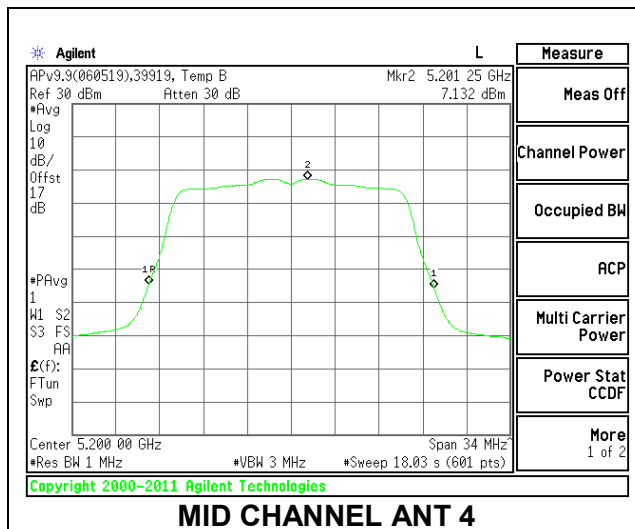
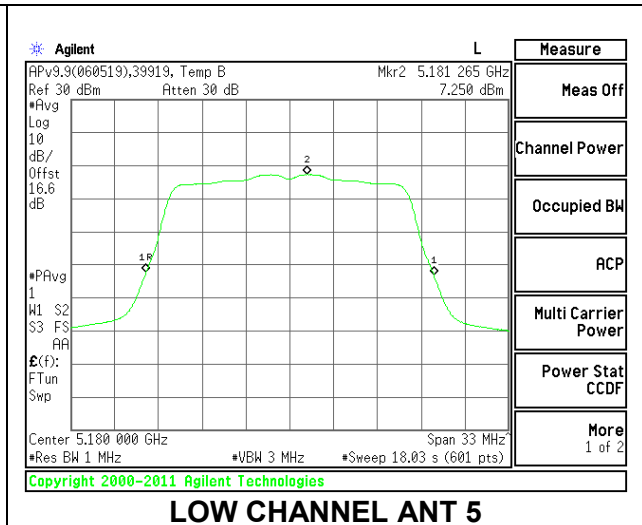
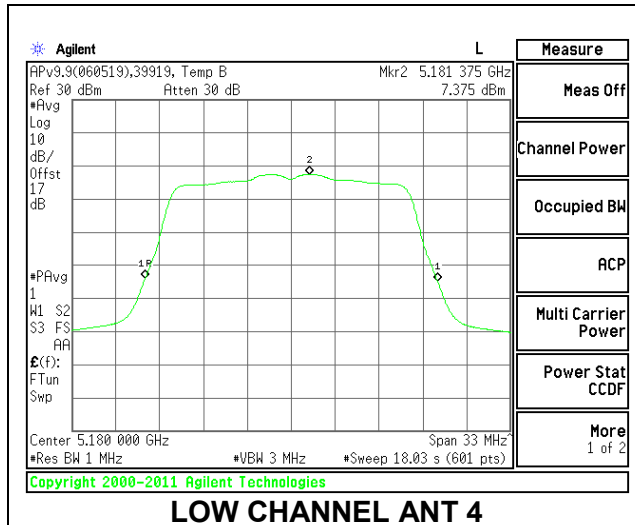
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	ANT 4 Meas Power (dBm)	ANT 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5180	17.68	17.65	20.68	24.00	-3.32
Mid	5200	17.72	17.73	20.74	24.00	-3.26
High	5240	17.71	17.67	20.70	24.00	-3.30

PSD Results

Channel	Frequency (MHz)	ANT 5 Meas PSD (dBm/ 1MHz)	ANT 5 Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5180	7.38	7.25	10.32	11.00	-0.68
Mid	5200	7.13	7.11	10.13	11.00	-0.87
High	5240	7.11	6.97	10.05	11.00	-0.95



8.5.2. 802.11n HT40 MODE IN THE 5.2 GHz BAND (FCC)

1TX Antenna 4 MODE (FCC) MOBILE

Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)
Low	5190	41.00	-6.0
High	5230	40.00	-6.0

Limits

Channel	Frequency (MHz)	FCC Power Limit (dBm)	ISED EIRP Limit (dBm)	Max ISED Power (dBm)	Power Limit (dBm)	FCC PSD Limit (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)
Low	5190	24.00	23.00	29.00	24.00	11.00	11.00
High	5230	24.00	23.00	29.00	24.00	11.00	11.00

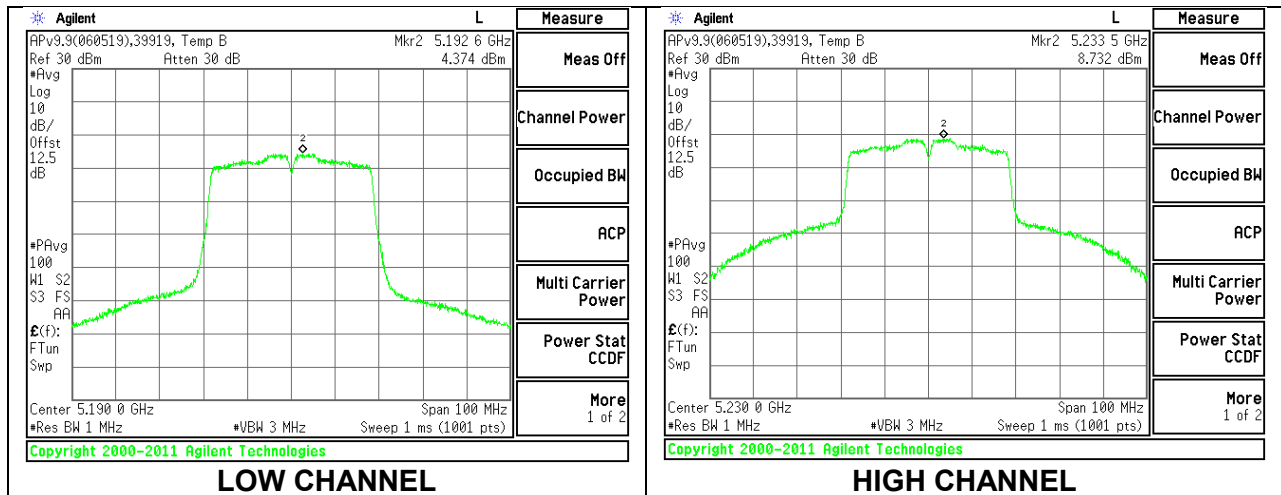
Duty Cycle CF (dB)	0.09	Included in Calculations of Corr'd Power & PSD
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Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5190	17.18	17.18	24.00	-6.82
High	5230	21.24	21.24	24.00	-2.76

PSD Results

Channel	Frequency (MHz)	Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5190	4.374	4.464	11.00	-6.54
High	5230	8.732	8.822	11.00	-2.18



1TX Antenna 5 MODE (FCC) MOBILE**Bandwidth and Antenna Gain**

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)
Low	5190	40.70	-1.1
High	5230	40.50	-1.1

Limits

Channel	Frequency (MHz)	FCC Power Limit (dBm)	ISED EIRP Limit (dBm)	Max ISED Power (dBm)	Power Limit (dBm)	FCC PSD Limit (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)
Low	5190	24.00	23.00	24.10	24.00	11.00	11.00
High	5230	24.00	23.00	24.10	24.00	11.00	11.00

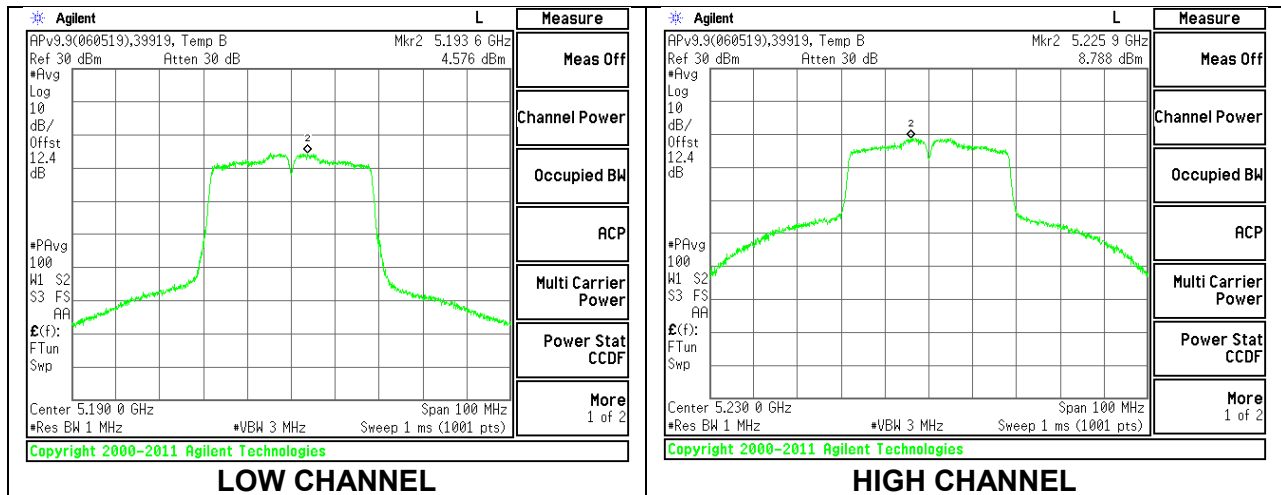
Duty Cycle CF (dB)	0.09	Included in Calculations of Corr'd Power & PSD
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Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5190	17.19	17.19	24.00	-6.81
High	5230	21.22	21.22	24.00	-2.78

PSD Results

Channel	Frequency (MHz)	Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5190	4.576	4.67	11.00	-6.33
High	5230	8.788	8.88	11.00	-2.12



2TX Antenna 4 + Antenna 5 CDD MODE (FCC) MOBILE**Bandwidth and Antenna Gain**

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)
Low	5190	40.20	-2.89	-0.20
High	5230	40.20	-2.89	-0.20

Limits

Channel	Frequency (MHz)	FCC Power Limit (dBm)	ISED EIRP Limit (dBm)	Max ISED Power (dBm)	Power Limit (dBm)	FCC PSD Limit (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)
Low	5190	24.00	23.00	25.89	24.00	11.00	11.00
High	5230	24.00	23.00	25.89	24.00	11.00	11.00

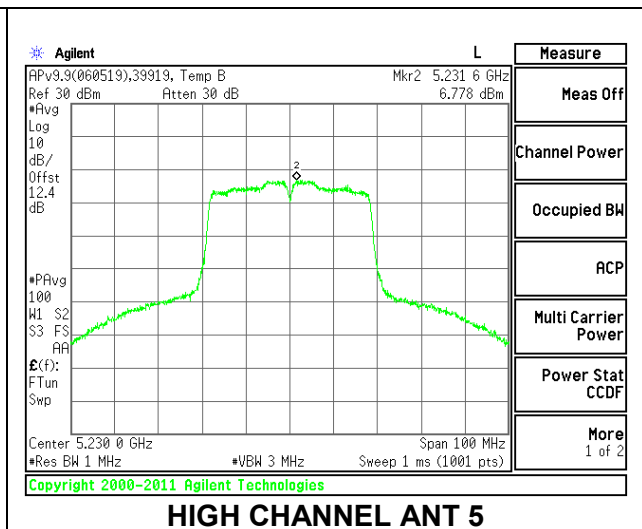
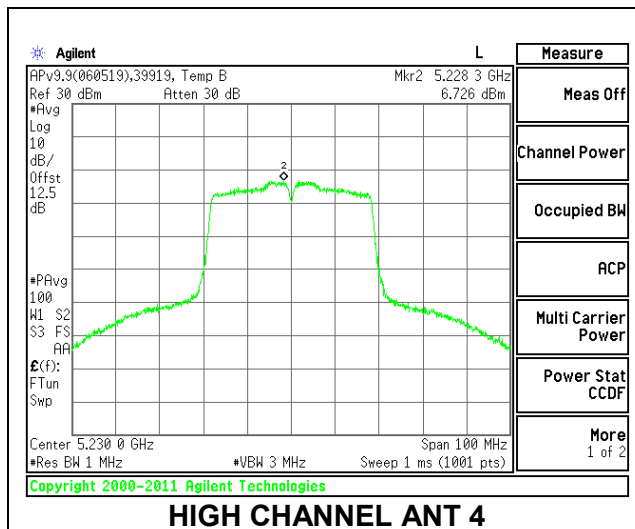
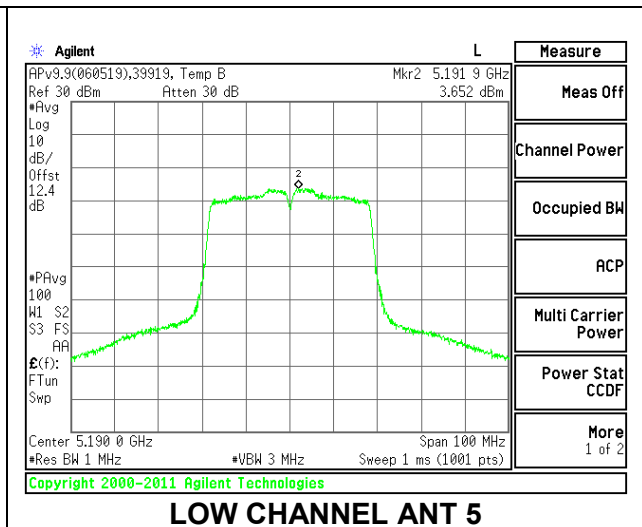
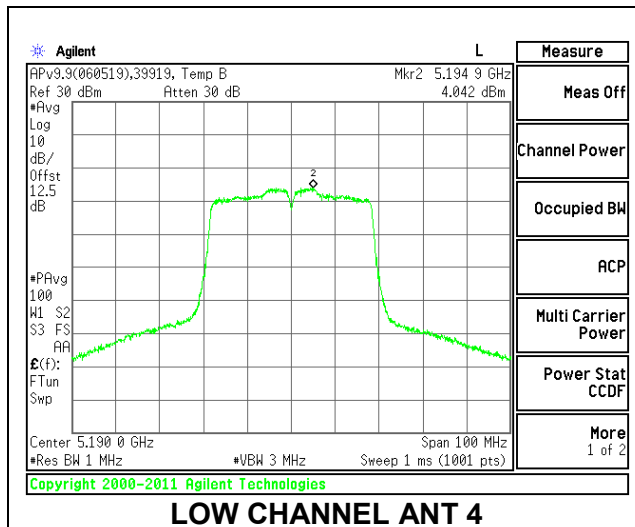
Duty Cycle CF (dB)	0.09	Included in Calculations of Corr'd Power & PSD
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Output Power Results

Channel	Frequency (MHz)	ANT 4 Meas Power (dBm)	ANT 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5190	16.68	16.69	19.70	24.00	-4.30
High	5230	19.71	19.73	22.73	24.00	-1.27

PSD Results

Channel	Frequency (MHz)	ANT 4 Meas PSD (dBm/ 1MHz)	ANT 5 Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5190	4.042	3.652	6.95	11.00	-4.05
High	5230	6.726	6.778	9.85	11.00	-1.15



8.5.3. 802.11ac VHT80 MODE IN THE 5.2 GHz BAND (FCC)

1TX Antenna 4 MODE (FCC)

Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)
Mid	5210	82.8	-6.0

Limits

Channel	Frequency (MHz)	FCC Power Limit (dBm)	ISED EIRP Limit (dBm)	Max ISED Power (dBm)	Power Limit (dBm)	FCC PSD Limit (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)
Mid	5210	30.00	23.00	29.00	29.00	11.00	11.00

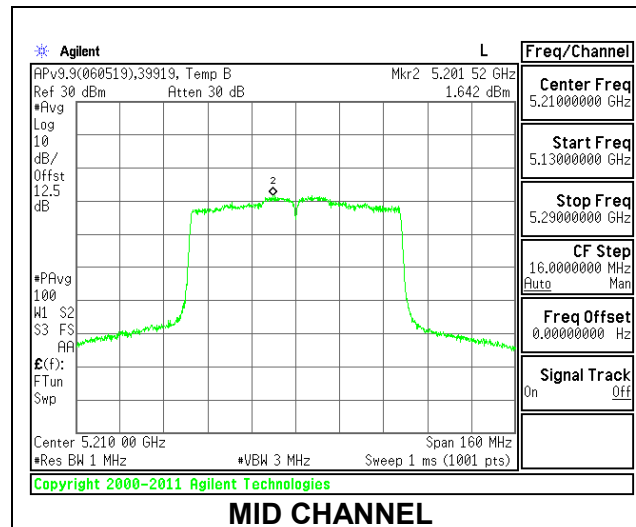
Duty Cycle CF (dB)	0.20	Included in Calculations of Corr'd Power & PSD
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Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5210	17.20	17.20	29.00	-11.80

PPSD Results

Channel	Frequency (MHz)	Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Mid	5210	1.642	1.84	11.00	-9.16



1TX Antenna 5 MODE (FCC)**Bandwidth and Antenna Gain**

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)
Mid	5210	82.8	-1.1

Limits

Channel	Frequency (MHz)	FCC Power Limit (dBm)	ISED EIRP Limit (dBm)	Max ISED Power (dBm)	Power Limit (dBm)	FCC PSD Limit (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)
Mid	5210	30.00	23.00	24.10	24.10	11.00	11.00

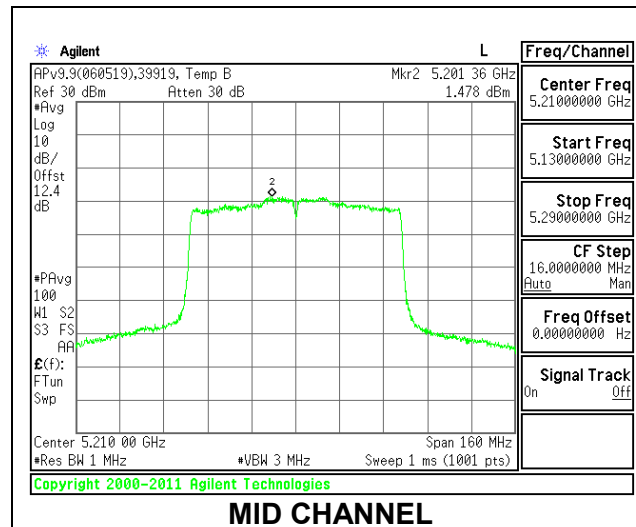
Duty Cycle CF (dB)	0.20	Included in Calculations of Corr'd Power & PSD
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Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5210	17.21	17.21	24.10	-6.89

PPSD Results

Channel	Frequency (MHz)	Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Mid	5210	1.478	1.68	11.00	-9.32



2TX Antenna 4 + Antenna 5 CDD MODE (FCC) MOBILE**Bandwidth and Antenna Gain**

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)
Mid	5210	82.80	-2.89	-0.20

Limits

Channel	Frequency (MHz)	FCC Power Limit (dBm)	ISED EIRP Limit (dBm)	Max ISED Power (dBm)	Power Limit (dBm)	FCC PSD Limit (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)
Mid	5210	24.00	23.00	25.89	24.00	11.00	11.00

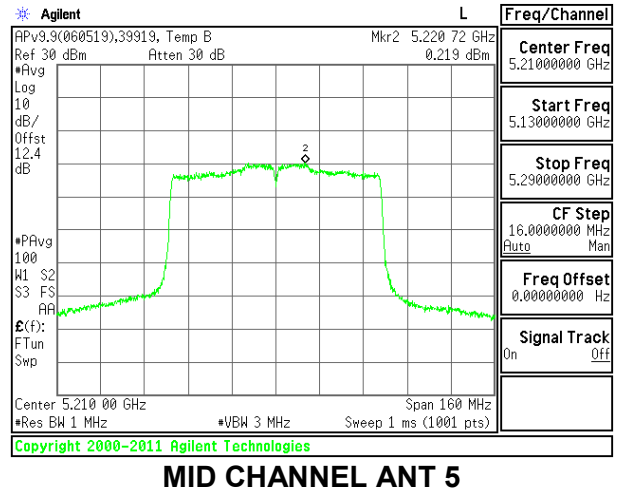
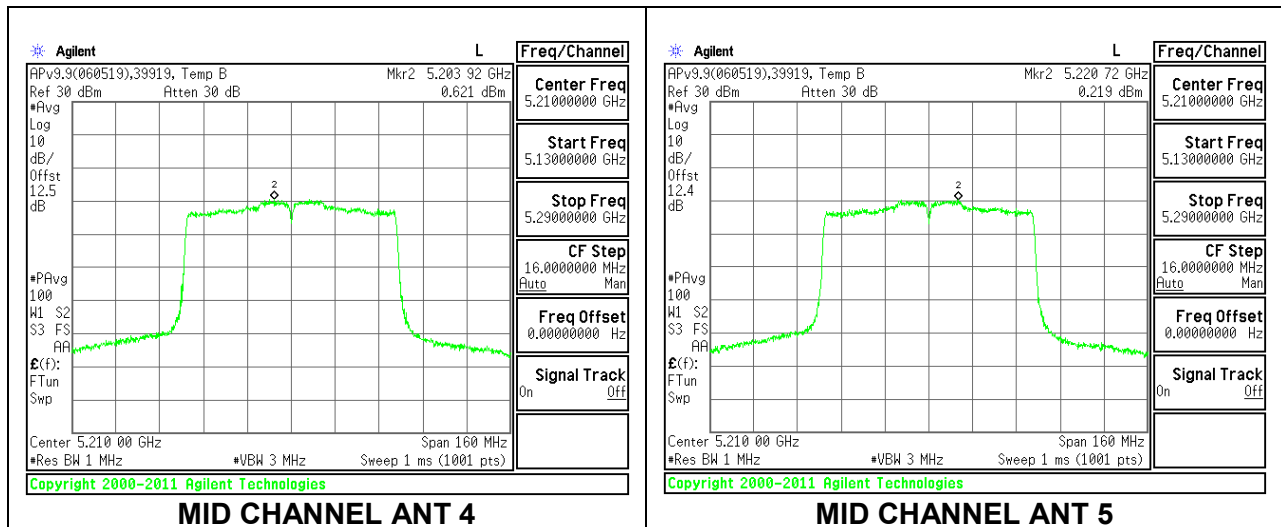
Duty Cycle CF (dB)	0.19	Included in Calculations of Corr'd Power & PSD
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Output Power Results

Channel	Frequency (MHz)	ANT 4 Meas Power (dBm)	ANT 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5210	16.17	16.21	19.20	24.00	-4.80

PSD Results

Channel	Frequency (MHz)	ANT 4 Meas PSD (dBm/ 1MHz)	ANT 5 Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Mid	5210	0.621	0.219	3.62	11.00	-7.38



8.5.4. 802.11ax HE20 MODE IN THE 5.2 GHz BAND (FCC)

1TX Antenna 4 MODE (FCC) MOBILE – 242 Tones, RU Index 61

Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)
Low	5180	21.95	-6.0
Mid	5200	22.25	-6.0
High	5240	22.10	-6.0

Limits

Channel	Frequency (MHz)	FCC Power Limit (dBm)	ISED EIRP Limit (dBm)	Max ISED Power (dBm)	Power Limit (dBm)	FCC PSD Limit (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)
Low	5180	24.00	23.00	29.00	24.00	11.00	11.00
Mid	5200	24.00	23.00	29.00	24.00	11.00	11.00
High	5240	24.00	23.00	29.00	24.00	11.00	11.00

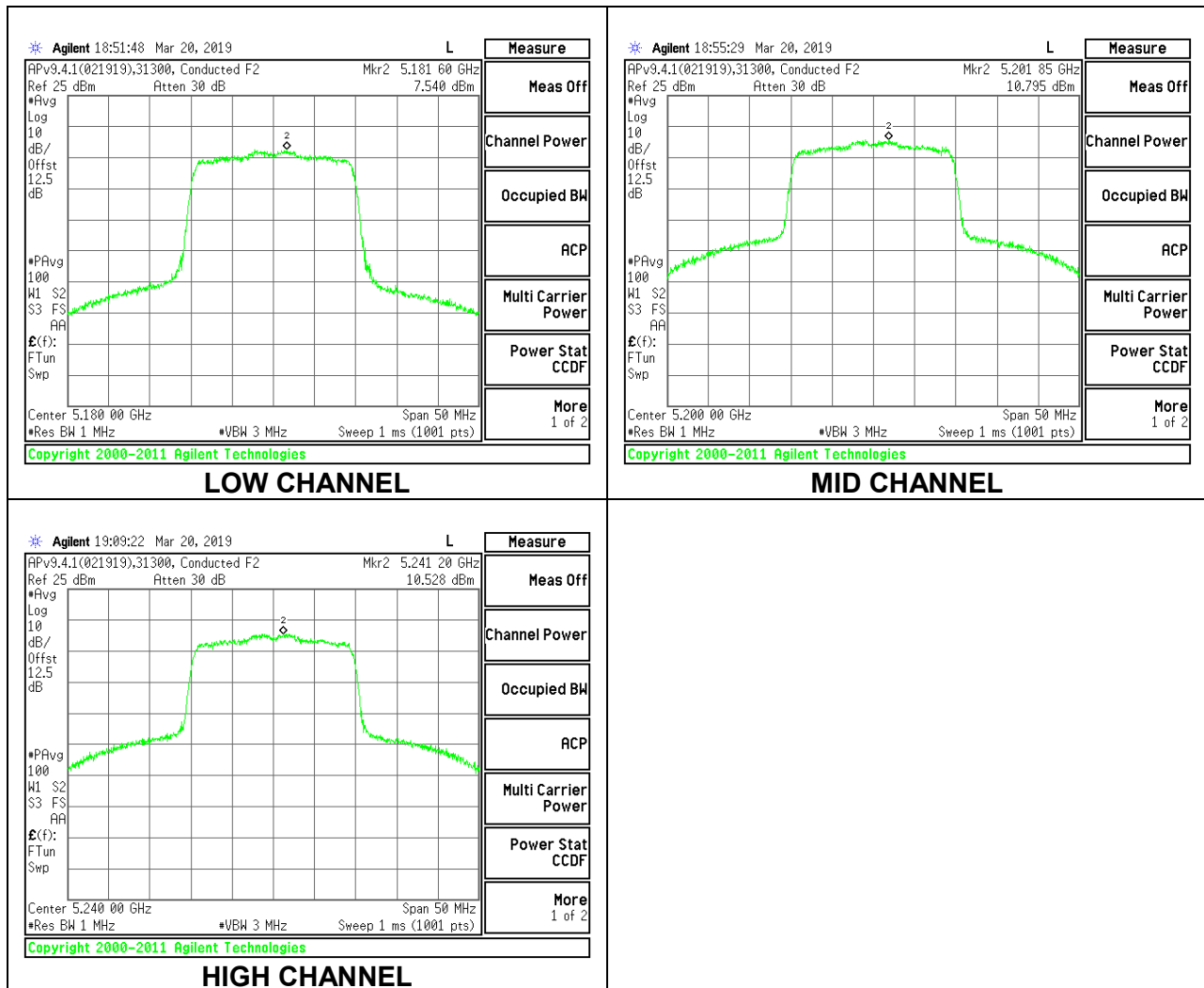
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5180	17.71	17.71	24.00	-6.29
Mid	5200	20.66	20.66	24.00	-3.34
High	5240	20.69	20.69	24.00	-3.31

PSD Results

Channel	Frequency (MHz)	Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5180	7.540	7.54	11.00	-3.46
Mid	5200	10.795	10.80	11.00	-0.21
High	5240	10.528	10.53	11.00	-0.47



1TX Antenna 4 MODE (FCC) MOBILE – 26 Tones, RU Index 0**Bandwidth and Antenna Gain**

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)
Low	5180	20.95	-6.0
Mid	5200	20.70	-6.0
High	5240	20.60	-6.0

Limits

Channel	Frequency (MHz)	FCC Power Limit (dBm)	ISED EIRP Limit (dBm)	Max ISED Power (dBm)	Power Limit (dBm)	FCC PSD Limit (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)
Low	5180	24.00	23.00	29.00	24.00	11.00	11.00
Mid	5200	24.00	23.00	29.00	24.00	11.00	11.00
High	5240	24.00	23.00	29.00	24.00	11.00	11.00

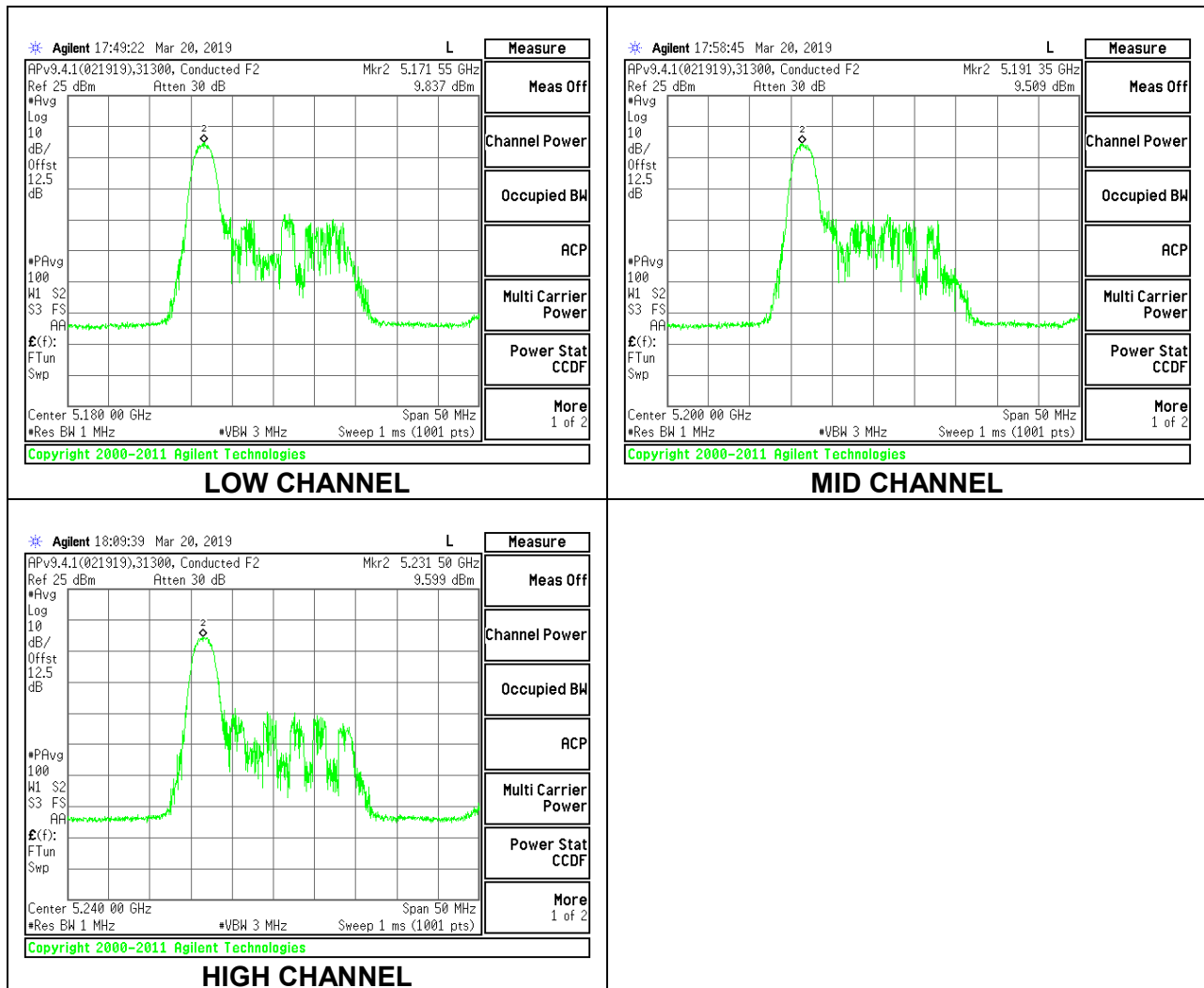
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5180	11.67	11.67	24.00	-12.33
Mid	5200	11.68	11.68	24.00	-12.32
High	5240	11.71	11.71	24.00	-12.29

PSD Results

Channel	Frequency (MHz)	Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5180	9.837	9.84	11.00	-1.16
Mid	5200	9.509	9.51	11.00	-1.49
High	5240	9.599	9.60	11.00	-1.40



1TX Antenna 4 MODE (FCC) MOBILE – 26 Tones, RU Index 4**Bandwidth and Antenna Gain**

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)
Low	5180	19.75	-6.0
Mid	5200	20.05	-6.0
High	5240	19.85	-6.0

Limits

Channel	Frequency (MHz)	FCC Power Limit (dBm)	ISED EIRP Limit (dBm)	Max ISED Power (dBm)	Power Limit (dBm)	FCC PSD Limit (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)
Low	5180	24.00	22.96	28.96	24.00	11.00	11.00
Mid	5200	24.00	23.00	29.00	24.00	11.00	11.00
High	5240	24.00	22.98	28.98	24.00	11.00	11.00

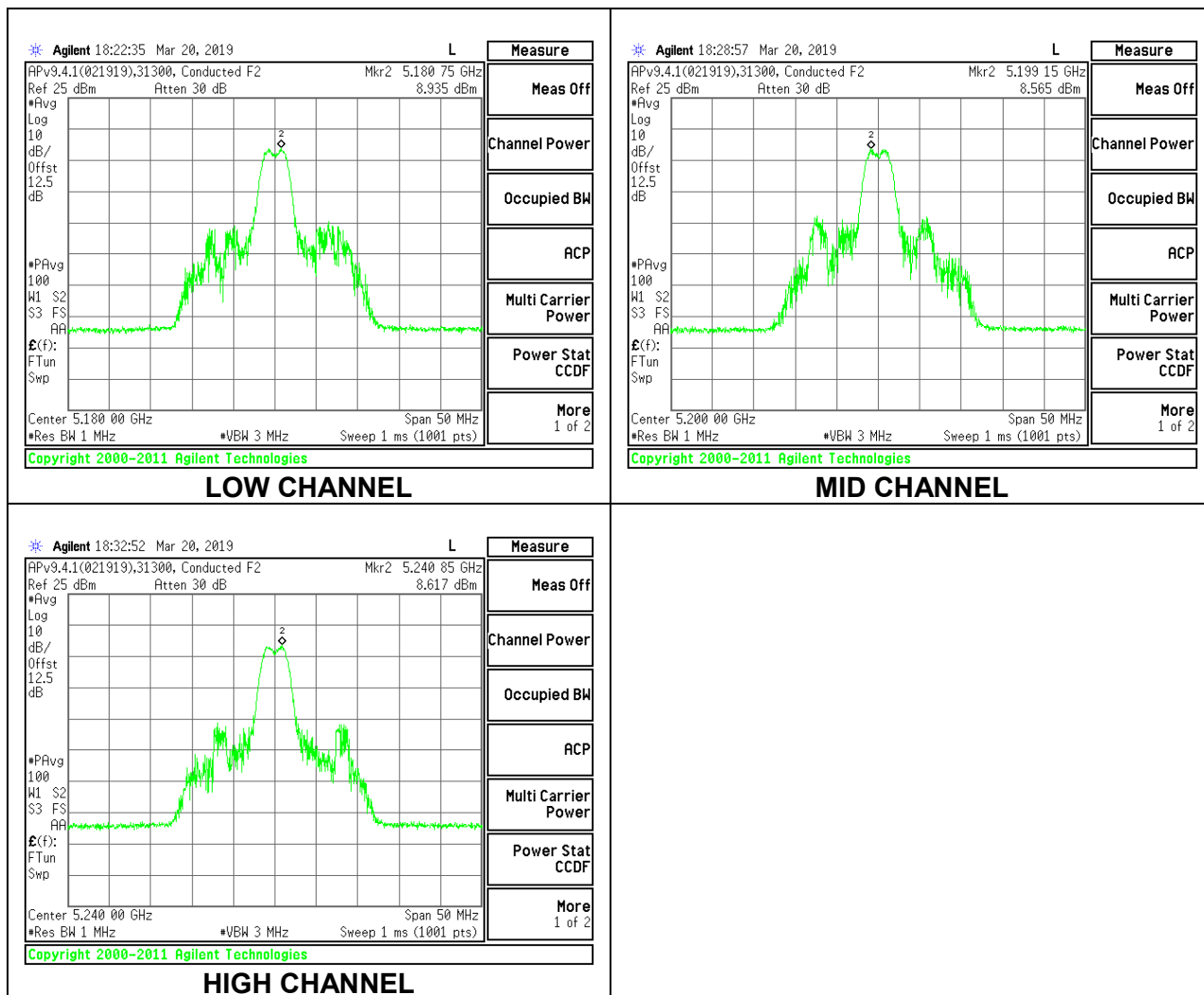
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5180	11.62	11.62	24.00	-12.38
Mid	5200	11.67	11.67	24.00	-12.33
High	5240	11.71	11.71	24.00	-12.29

PSD Results

Channel	Frequency (MHz)	Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5180	8.935	8.94	11.00	-2.07
Mid	5200	8.565	8.57	11.00	-2.44
High	5240	8.617	8.62	11.00	-2.38



1TX Antenna 4 MODE (FCC) MOBILE – 26 Tones, RU Index 8**Bandwidth and Antenna Gain**

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)
Low	5180	21.00	-6.0
Mid	5200	21.10	-6.0
High	5240	21.10	-6.0

Limits

Channel	Frequency (MHz)	FCC Power Limit (dBm)	ISED EIRP Limit (dBm)	Max ISED Power (dBm)	Power Limit (dBm)	FCC PSD Limit (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)
Low	5180	24.00	23.00	29.00	24.00	11.00	11.00
Mid	5200	24.00	23.00	29.00	24.00	11.00	11.00
High	5240	24.00	23.00	29.00	24.00	11.00	11.00

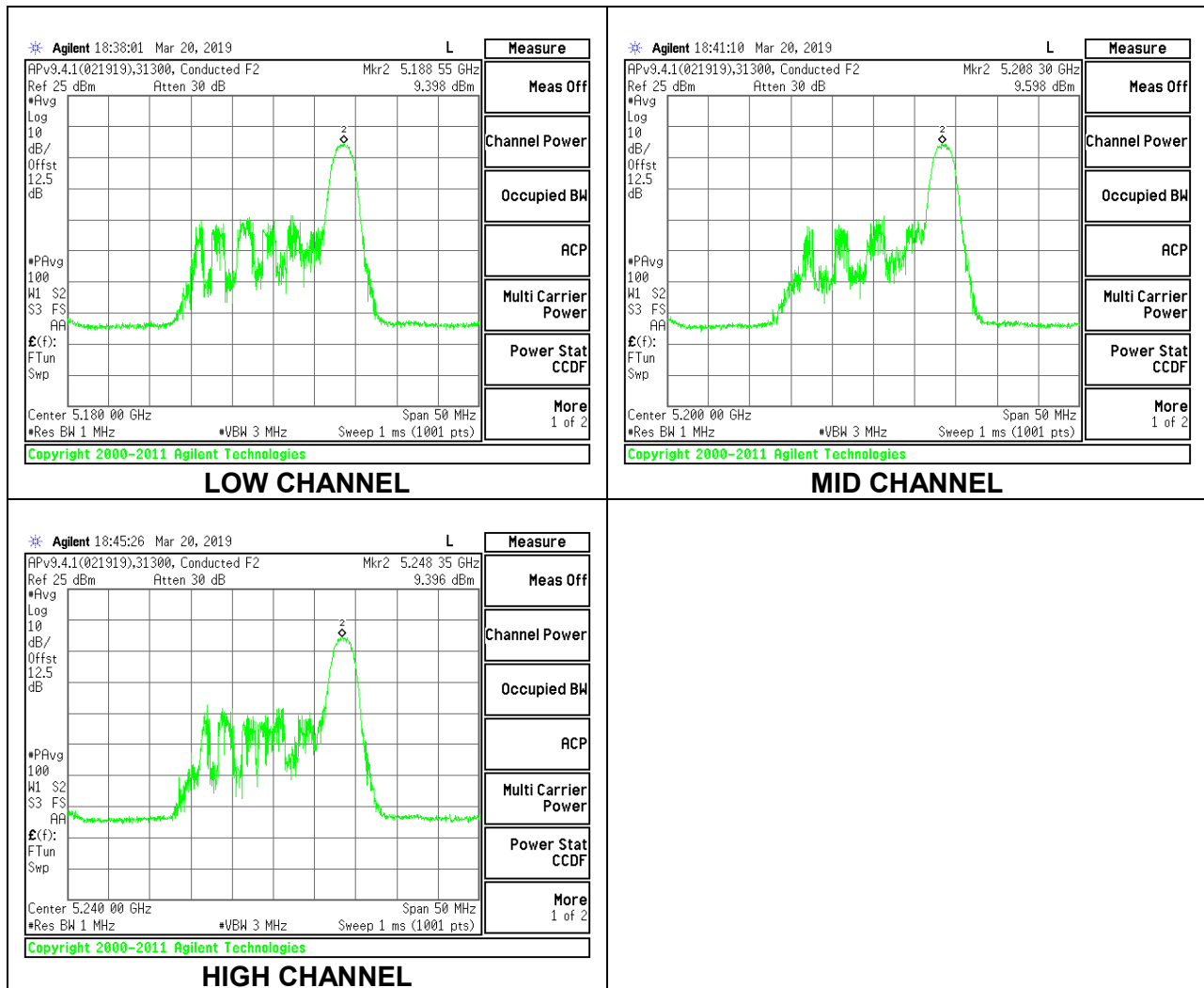
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5180	11.71	11.71	24.00	-12.29
Mid	5200	11.73	11.73	24.00	-12.27
High	5240	11.68	11.68	24.00	-12.32

PSD Results

Channel	Frequency (MHz)	Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5180	9.398	9.40	11.00	-1.60
Mid	5200	9.598	9.60	11.00	-1.40
High	5240	9.396	9.40	11.00	-1.60



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

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)
Low	5180	22.15	-1.1
Mid	5200	23.15	-1.1
High	5240	22.05	-1.1

Limits

Channel	Frequency (MHz)	FCC Power Limit (dBm)	ISED EIRP Limit (dBm)	Max ISED Power (dBm)	Power Limit (dBm)	FCC PSD Limit (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)
Low	5180	24.00	23.00	24.10	24.00	11.00	11.00
Mid	5200	24.00	23.00	24.10	24.00	11.00	11.00
High	5240	24.00	23.00	24.10	24.00	11.00	11.00

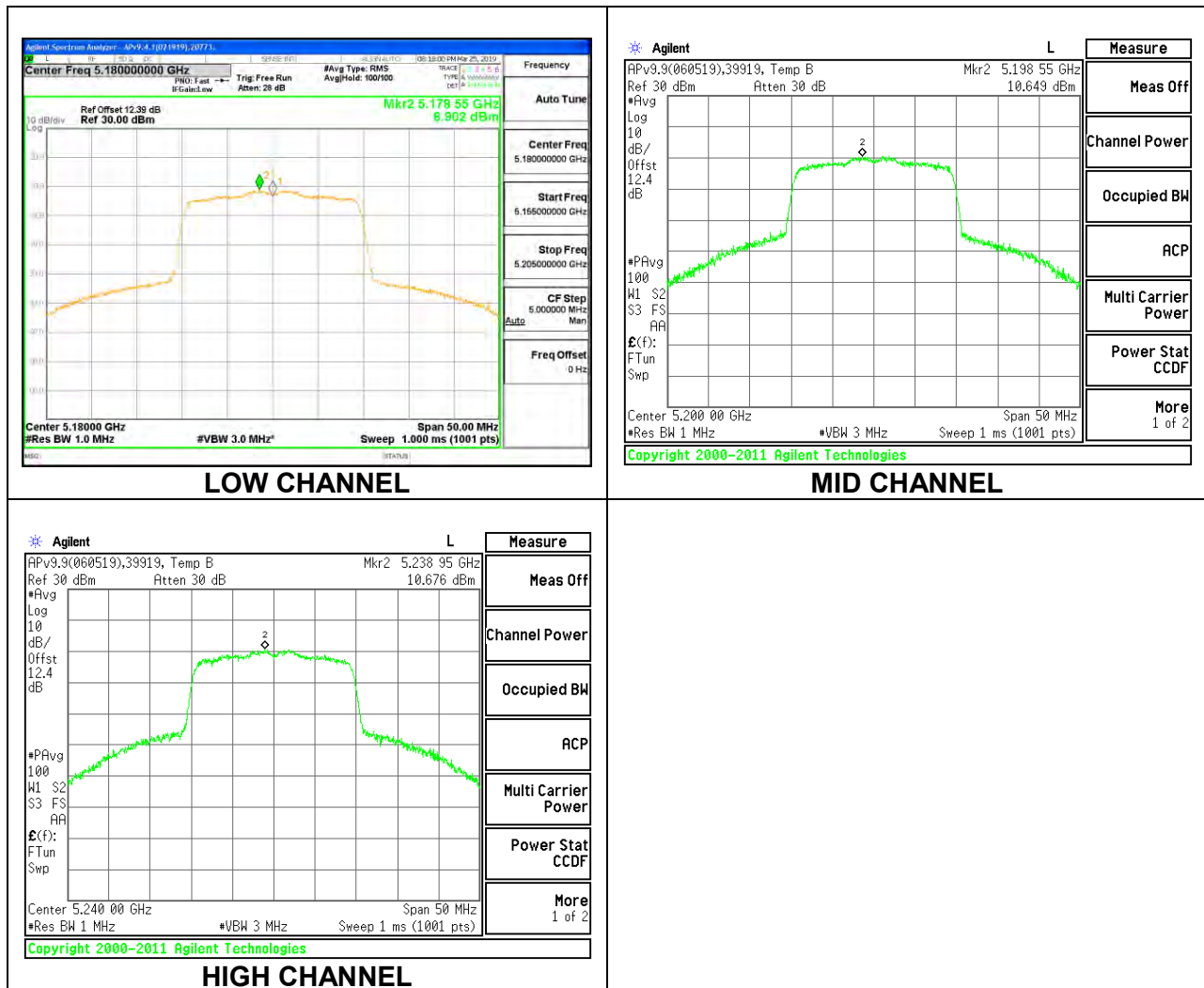
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5180	17.67	17.67	24.00	-6.33
Mid	5200	20.73	20.73	24.00	-3.27
High	5240	20.68	20.68	24.00	-3.32

PSD Results

Channel	Frequency (MHz)	Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5180	8.902	8.90	11.00	-2.10
Mid	5200	10.649	10.65	11.00	-0.35
High	5240	10.676	10.68	11.00	-0.32



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

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)
Low	5180	20.55	-1.1
Mid	5200	20.80	-1.1
High	5240	20.55	-1.1

Limits

Channel	Frequency (MHz)	FCC Power Limit (dBm)	ISED EIRP Limit (dBm)	Max ISED Power (dBm)	Power Limit (dBm)	FCC PSD Limit (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)
Low	5180	24.00	23.00	24.10	24.00	11.00	11.00
Mid	5200	24.00	23.00	24.10	24.00	11.00	11.00
High	5240	24.00	23.00	24.10	24.00	11.00	11.00

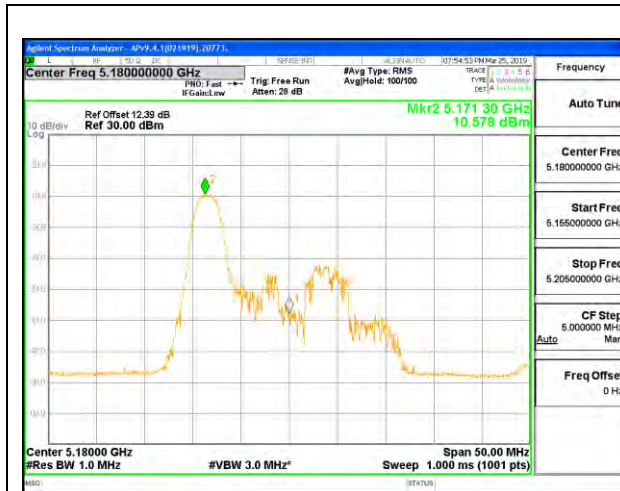
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5180	11.72	11.72	24.00	-12.28
Mid	5200	11.67	11.67	24.00	-12.33
High	5240	11.71	11.71	24.00	-12.29

PSD Results

Channel	Frequency (MHz)	Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5180	10.578	10.58	11.00	-0.42
Mid	5200	10.118	10.12	11.00	-0.88
High	5240	10.227	10.23	11.00	-0.77



LOW CHANNEL



MID CHANNEL



HIGH CHANNEL

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

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)
Low	5180	19.65	-1.1
Mid	5200	19.70	-1.1
High	5240	20.05	-1.1

Limits

Channel	Frequency (MHz)	FCC Power Limit (dBm)	ISED EIRP Limit (dBm)	Max ISED Power (dBm)	Power Limit (dBm)	FCC PSD Limit (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)
Low	5180	24.00	22.93	24.03	24.00	11.00	11.00
Mid	5200	24.00	22.94	24.04	24.00	11.00	11.00
High	5240	24.00	23.00	24.10	24.00	11.00	11.00

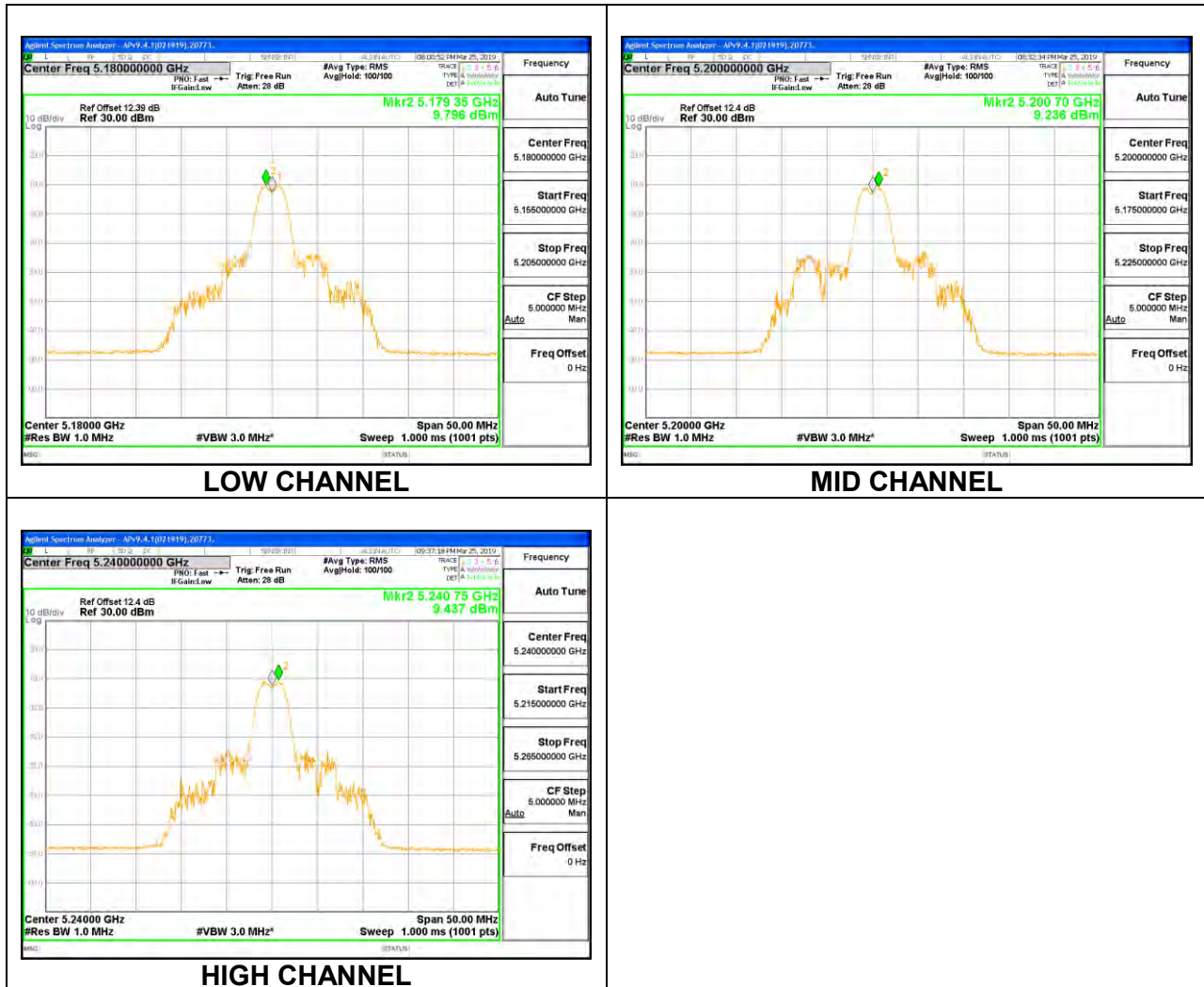
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5180	11.66	11.66	24.00	-12.34
Mid	5200	11.72	11.72	24.00	-12.28
High	5240	11.65	11.65	24.00	-12.35

PSD Results

Channel	Frequency (MHz)	Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5180	9.796	9.80	11.00	-1.20
Mid	5200	9.236	9.24	11.00	-1.76
High	5240	9.437	9.44	11.00	-1.56



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

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)
Low	5180	21.10	-1.1
Mid	5200	21.15	-1.1
High	5240	21.20	-1.1

Limits

Channel	Frequency (MHz)	FCC Power Limit (dBm)	ISED EIRP Limit (dBm)	Max ISED Power (dBm)	Power Limit (dBm)	FCC PSD Limit (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)
Low	5180	24.00	23.00	24.10	24.00	11.00	11.00
Mid	5200	24.00	23.00	24.10	24.00	11.00	11.00
High	5240	24.00	23.00	24.10	24.00	11.00	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	11.73	11.73	24.00	-12.27
Mid	5200	11.69	11.69	24.00	-12.31
High	5240	11.73	11.73	24.00	-12.27

PSD Results

Channel	Frequency (MHz)	Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5180	10.755	10.76	11.00	-0.24
Mid	5200	10.059	10.06	11.00	-0.94
High	5240	9.806	9.81	11.00	-1.19



2TX Antenna 4 + Antenna 5 OFDMA MODE (FCC) MOBILE – 242 Tones, RU Index 61**Bandwidth and Antenna Gain**

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)
Low	5180	21.95	-2.89	-0.20
Mid	5200	21.80	-2.89	-0.20
High	5240	22.10	-2.89	-0.20

Limits

Channel	Frequency (MHz)	FCC Power Limit (dBm)	ISED EIRP Limit (dBm)	Max ISED Power (dBm)	Power Limit (dBm)	FCC PSD Limit (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)
Low	5180	24.00	23.00	25.89	24.00	11.00	11.00
Mid	5200	24.00	23.00	25.89	24.00	11.00	11.00
High	5240	24.00	23.00	25.89	24.00	11.00	11.00

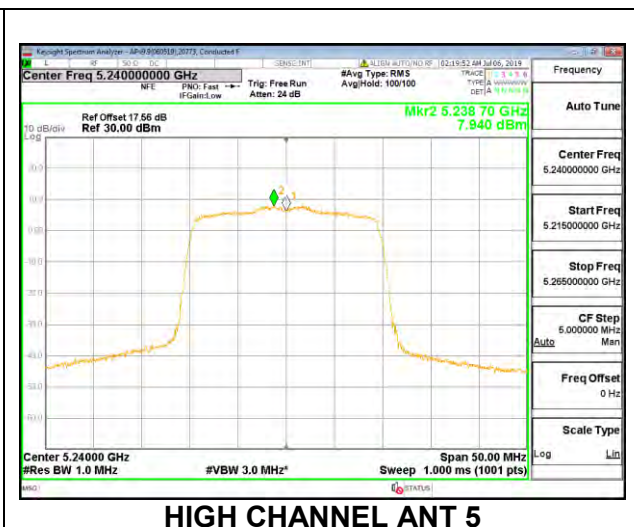
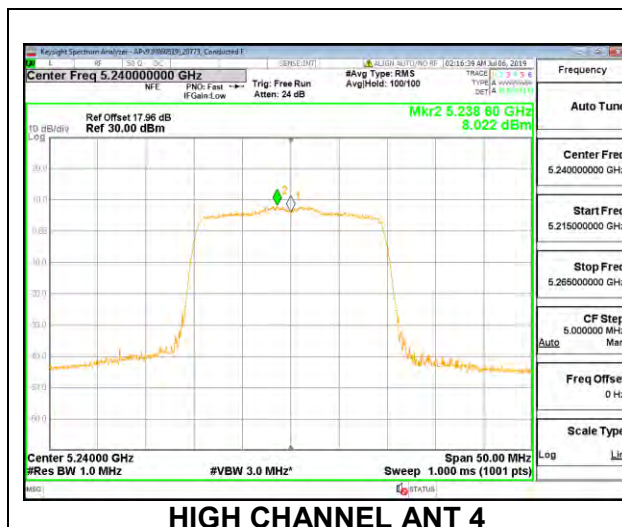
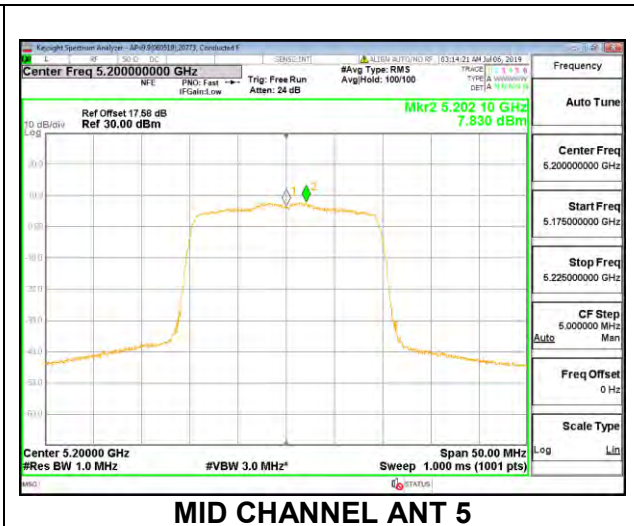
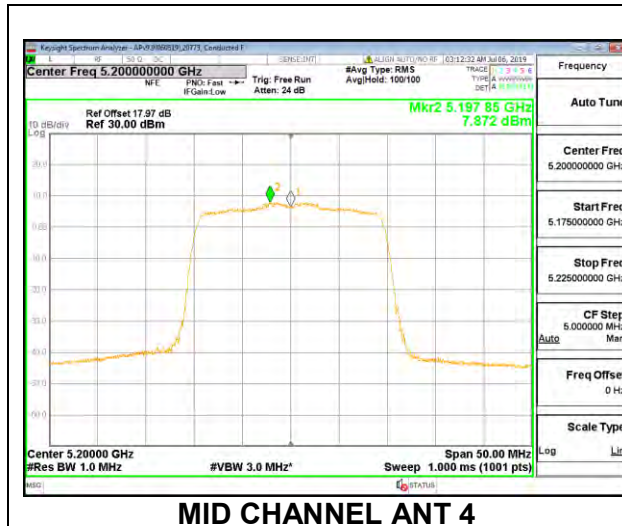
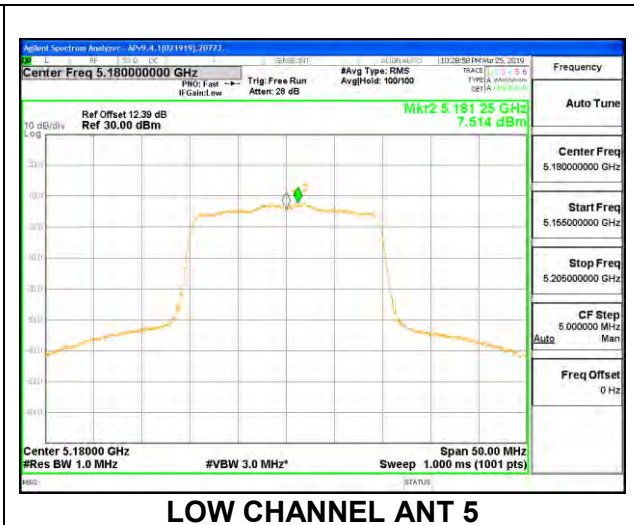
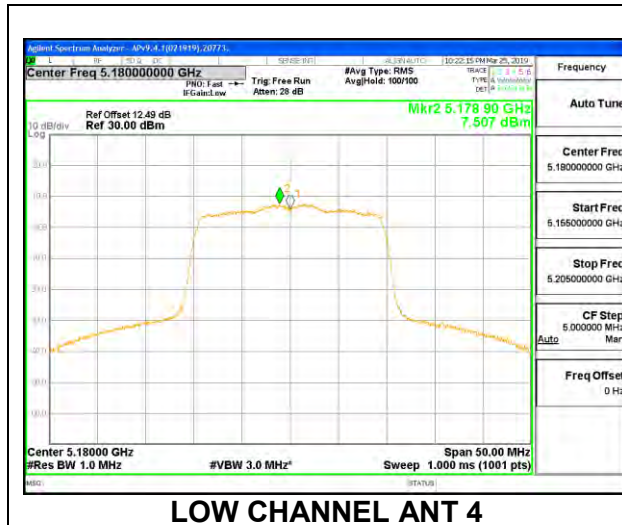
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	ANT 4 Meas Power (dBm)	ANT 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5180	16.23	16.21	19.23	24.00	-4.77
Mid	5200	17.67	17.69	20.69	24.00	-3.31
High	5240	17.68	17.71	20.71	24.00	-3.29

PSD Results

Channel	Frequency (MHz)	ANT 4 Meas PSD (dBm/ 1MHz)	ANT 5 Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5180	7.507	7.514	10.52	11.00	-0.48
Mid	5200	7.872	7.830	10.86	11.00	-0.14
High	5240	8.022	7.940	10.99	11.00	-0.01



2TX Antenna 4 + Antenna 5 OFDMA MODE (FCC) MOBILE – 26 Tones, RU Index 0**Bandwidth and Antenna Gain**

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)
Low	5180	20.30	-2.89	-0.20
Mid	5200	20.35	-2.89	-0.20
High	5240	20.00	-2.89	-0.20

Limits

Channel	Frequency (MHz)	FCC Power Limit (dBm)	ISED EIRP Limit (dBm)	Max ISED Power (dBm)	Power Limit (dBm)	FCC PSD Limit (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)
Low	5180	24.00	23.00	25.89	24.00	11.00	11.00
Mid	5200	24.00	23.00	25.89	24.00	11.00	11.00
High	5240	24.00	23.00	25.89	24.00	11.00	11.00

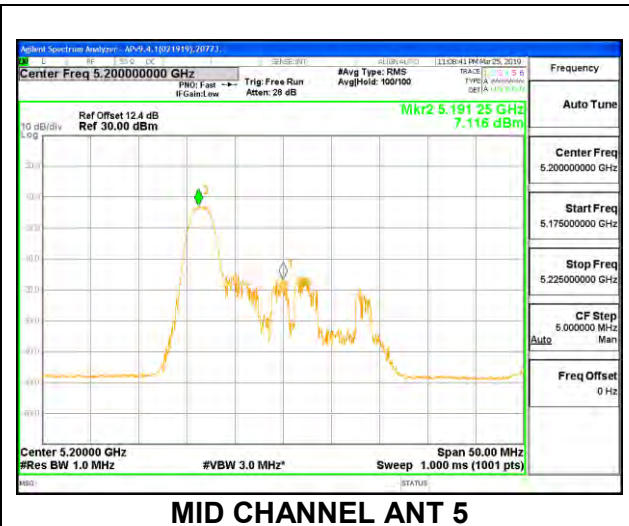
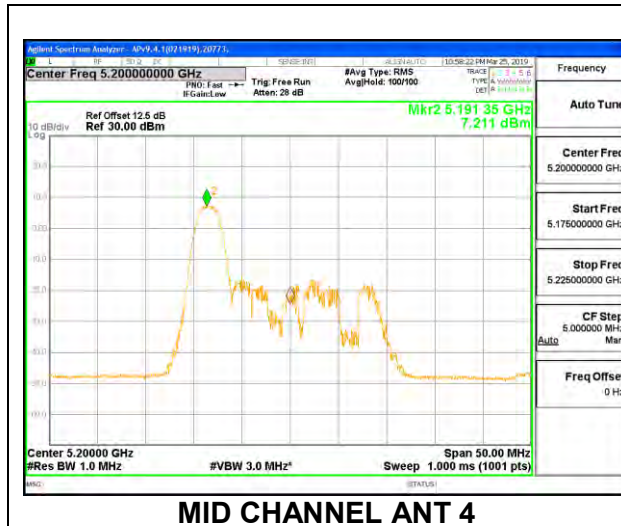
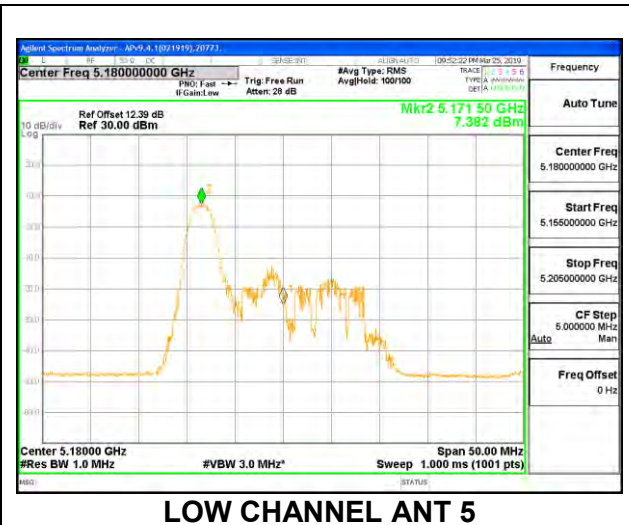
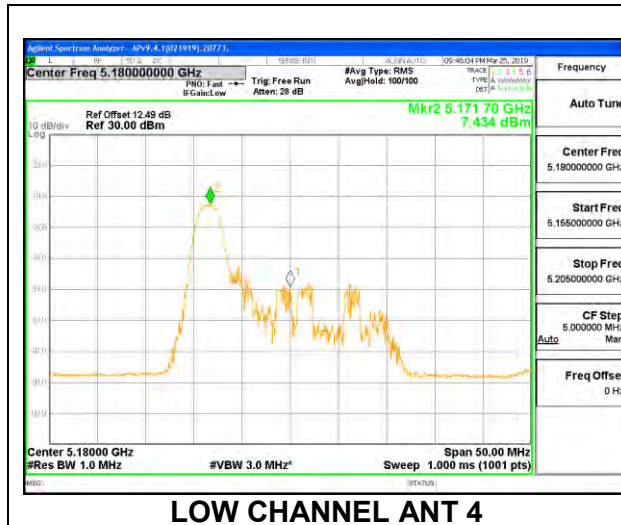
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	ANT 4 Meas Power (dBm)	ANT 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5180	8.62	8.59	11.62	24.00	-12.38
Mid	5200	8.66	8.64	11.66	24.00	-12.34
High	5240	8.65	8.68	11.68	24.00	-12.32

PSD Results

Channel	Frequency (MHz)	ANT 4 Meas PSD (dBm/ 1MHz)	ANT 5 Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5180	7.434	7.382	10.42	11.00	-0.58
Mid	5200	7.211	7.116	10.17	11.00	-0.83
High	5240	7.503	7.396	10.46	11.00	-0.54



2TX Antenna 4 + Antenna 5 OFDMA MODE (FCC) MOBILE – 26 Tones, RU Index 4**Bandwidth and Antenna Gain**

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)
Low	5180	18.70	-2.89	-0.20
Mid	5200	18.55	-2.89	-0.20
High	5240	18.50	-2.89	-0.20

Limits

Channel	Frequency (MHz)	FCC Power Limit (dBm)	ISED EIRP Limit (dBm)	Max ISED Power (dBm)	Power Limit (dBm)	FCC PSD Limit (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)
Low	5180	24.00	22.72	25.61	24.00	11.00	11.00
Mid	5200	24.00	22.68	25.57	24.00	11.00	11.00
High	5240	24.00	22.67	25.56	24.00	11.00	11.00

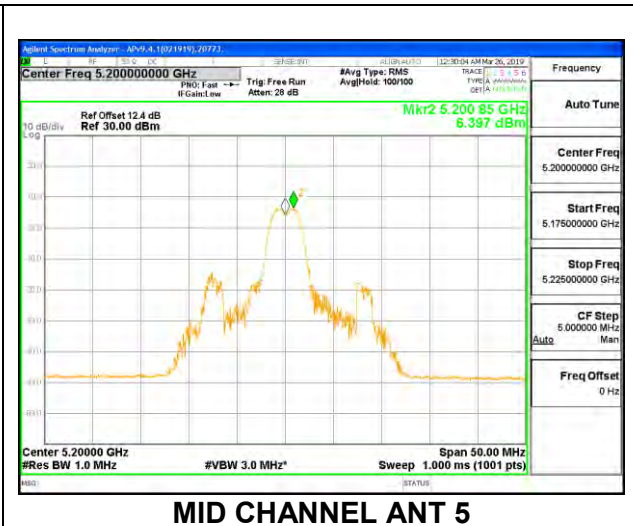
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	ANT 4 Meas Power (dBm)	ANT 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5180	8.69	8.73	11.72	24.00	-12.28
Mid	5200	8.73	8.74	11.75	24.00	-12.25
High	5240	8.71	8.73	11.73	24.00	-12.27

PSD Results

Channel	Frequency (MHz)	ANT 4 Meas PSD (dBm/ 1MHz)	ANT 5 Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5180	6.499	6.694	9.61	11.00	-1.39
Mid	5200	6.297	6.397	9.36	11.00	-1.64
High	5240	6.541	6.626	9.59	11.00	-1.41



2TX Antenna 4 + Antenna 5 OFDMA MODE (FCC) MOBILE – 26 Tones, RU Index 8**Bandwidth and Antenna Gain**

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)
Low	5180	20.20	-2.89	-0.20
Mid	5200	20.40	-2.89	-0.20
High	5240	20.00	-2.89	-0.20

Limits

Channel	Frequency (MHz)	FCC Power Limit (dBm)	ISED EIRP Limit (dBm)	Max ISED Power (dBm)	Power Limit (dBm)	FCC PSD Limit (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)
Low	5180	24.00	23.00	25.89	24.00	11.00	11.00
Mid	5200	24.00	23.00	25.89	24.00	11.00	11.00
High	5240	24.00	23.00	25.89	24.00	11.00	11.00

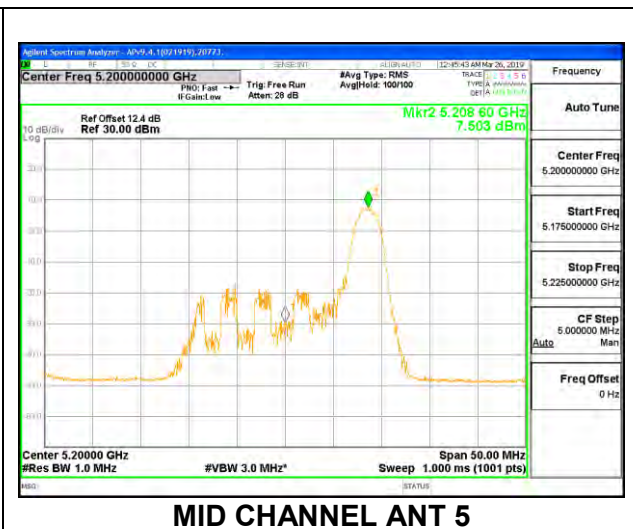
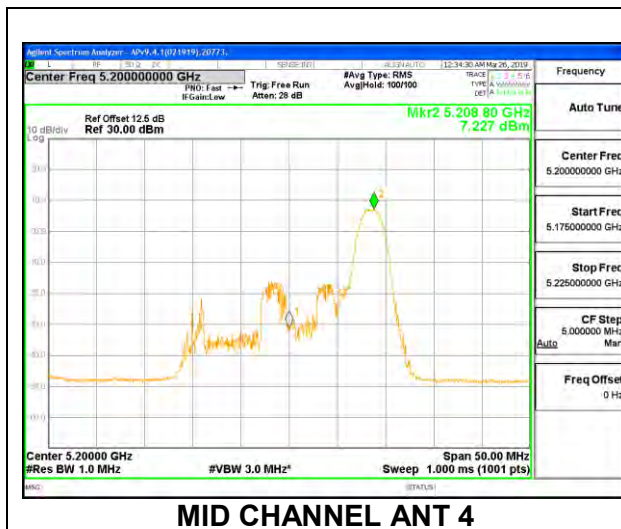
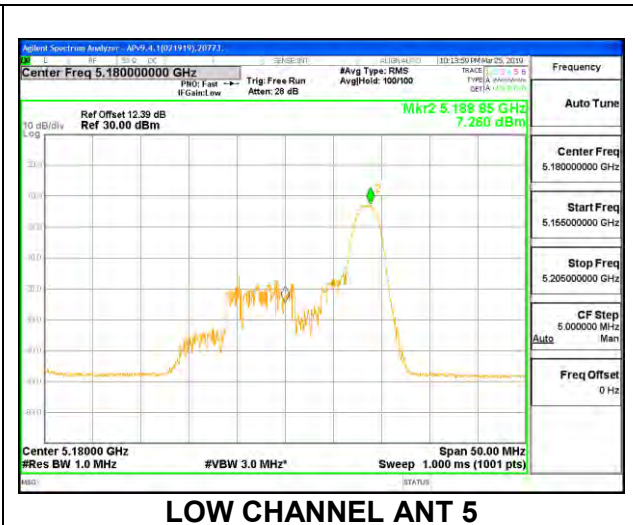
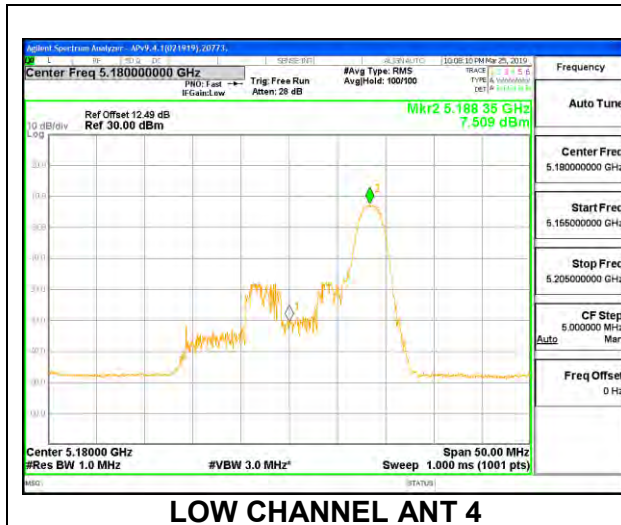
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	ANT 4 Meas Power (dBm)	ANT 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5180	8.67	8.69	11.69	24.00	-12.31
Mid	5200	8.65	8.69	11.68	24.00	-12.32
High	5240	8.70	8.72	11.72	24.00	-12.28

PSD Results

Channel	Frequency (MHz)	ANT 4 Meas PSD (dBm/ 1MHz)	ANT 5 Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5180	7.509	7.260	10.40	11.00	-0.60
Mid	5200	7.227	7.503	10.38	11.00	-0.62
High	5240	7.408	7.243	10.34	11.00	-0.66



8.5.5. 802.11ax HE40 MODE IN THE 5.2 GHz BAND (FCC)

1TX Antenna 4 MODE (FCC) MOBILE – 484 Tones, RU Index 65

Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)
Low	5190	41.30	-6.0
High	5230	41.30	-6.0

Limits

Channel	Frequency (MHz)	FCC Power Limit (dBm)	ISED EIRP Limit (dBm)	Max ISED Power (dBm)	Power Limit (dBm)	FCC PSD Limit (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)
Low	5190	24.00	23.00	29.00	24.00	11.00	11.00
High	5230	24.00	23.00	29.00	24.00	11.00	11.00

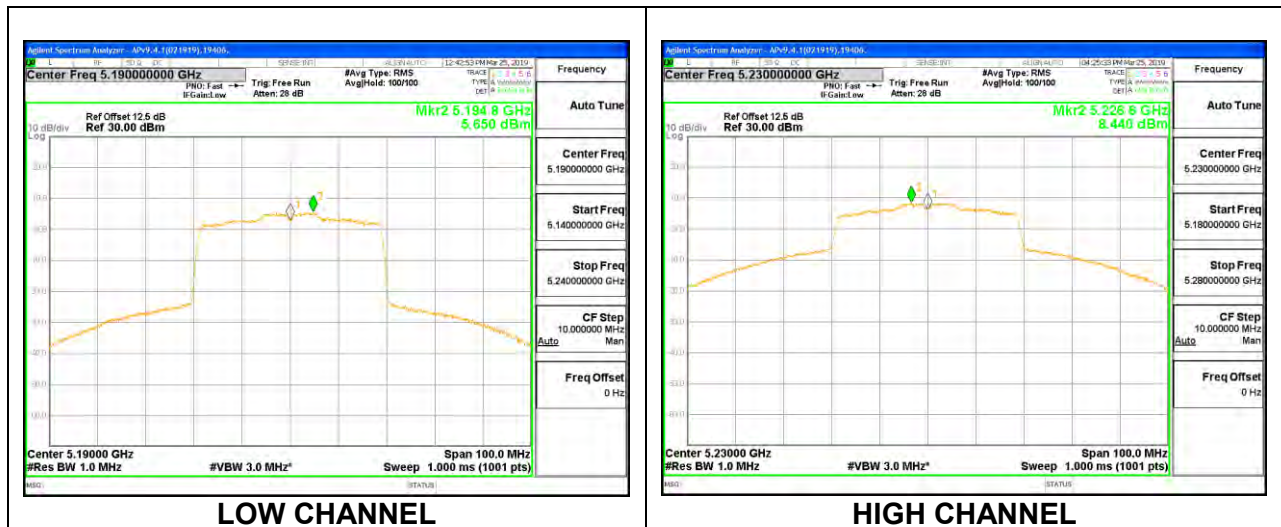
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd Power & PSD
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Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5190	15.72	15.72	24.00	-8.28
High	5230	21.21	21.21	24.00	-2.79

PSD Results

Channel	Frequency (MHz)	Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5190	5.650	5.65	11.00	-5.35
High	5230	8.440	8.44	11.00	-2.56



1TX Antenna 4 MODE (FCC) MOBILE – 26 Tones, RU Index 0**Bandwidth and Antenna Gain**

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)
Low	5190	22.30	-6.0
High	5230	22.20	-6.0

Limits

Channel	Frequency (MHz)	FCC Power Limit (dBm)	ISED EIRP Limit (dBm)	Max ISED Power (dBm)	Power Limit (dBm)	FCC PSD Limit (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)
Low	5190	24.00	23.00	29.00	24.00	11.00	11.00
High	5230	24.00	23.00	29.00	24.00	11.00	11.00

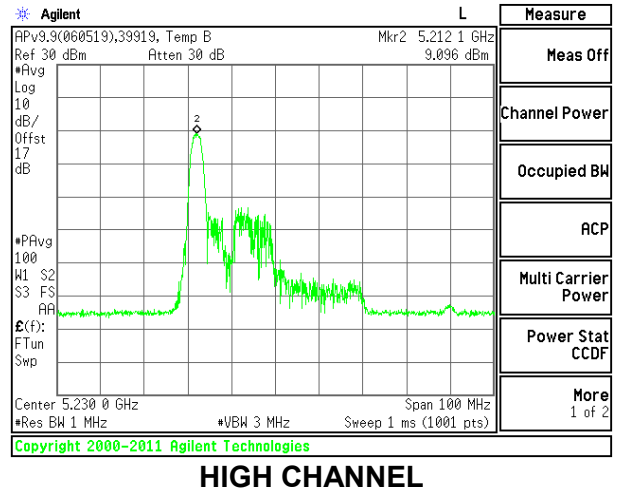
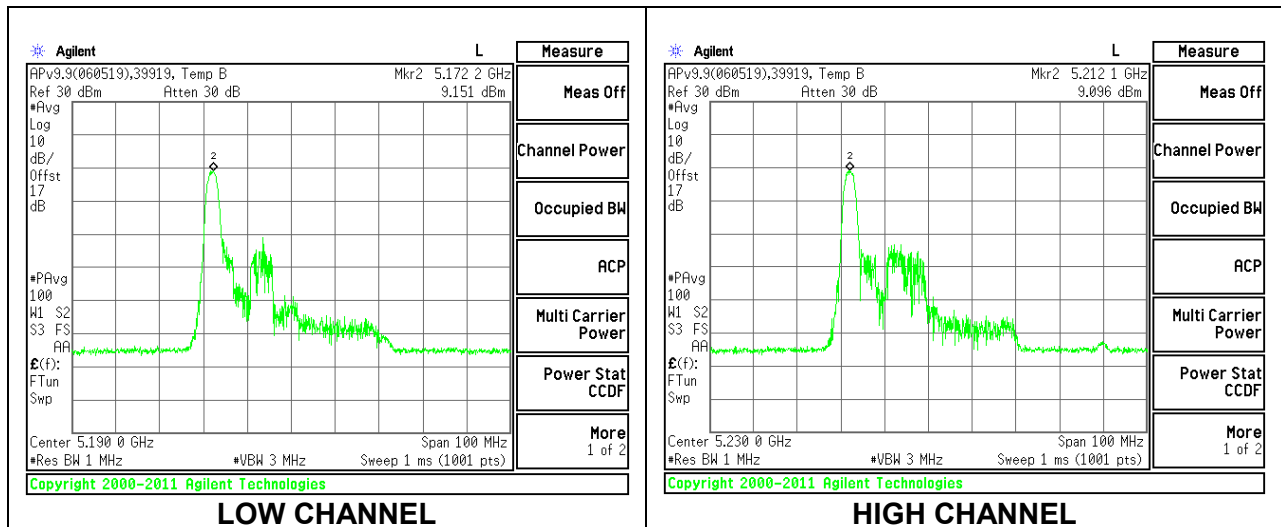
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd Power & PSD
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Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5190	11.73	11.73	24.00	-12.27
High	5230	11.70	11.70	24.00	-12.30

PSD Results

Channel	Frequency (MHz)	Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5190	9.151	9.15	11.00	-1.85
High	5230	9.096	9.10	11.00	-1.90



1TX Antenna 4 MODE (FCC) MOBILE – 26 Tones, RU Index 8**Bandwidth and Antenna Gain**

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)
Low	5190	26.00	-6.0
High	5230	25.30	-6.0

Limits

Channel	Frequency (MHz)	FCC Power Limit (dBm)	ISED EIRP Limit (dBm)	Max ISED Power (dBm)	Power Limit (dBm)	FCC PSD Limit (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)
Low	5190	24.00	23.00	29.00	24.00	11.00	11.00
High	5230	24.00	23.00	29.00	24.00	11.00	11.00

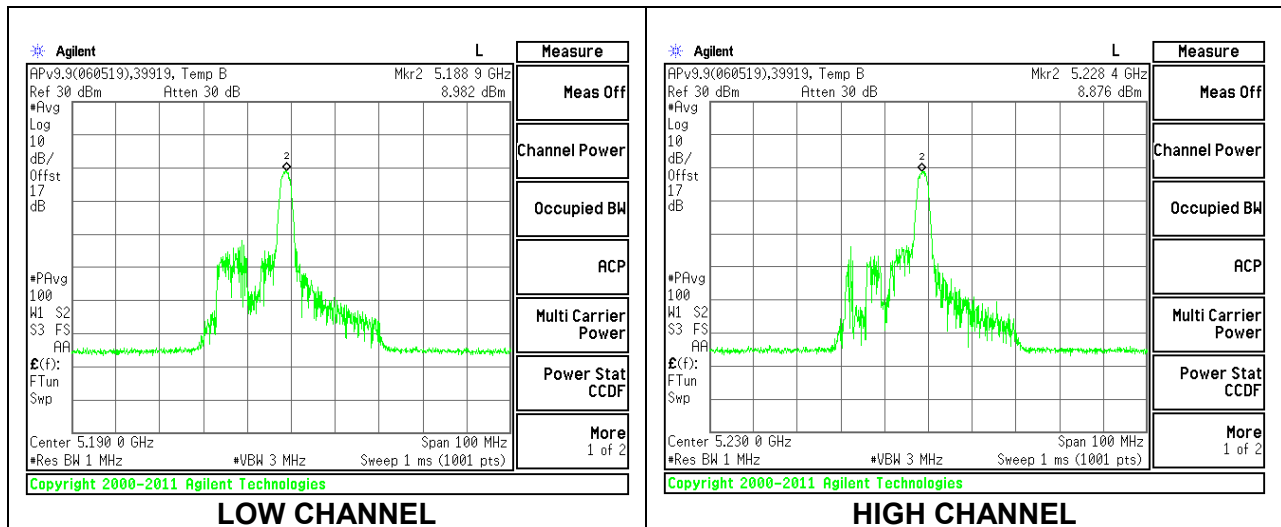
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd Power & PSD
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Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5190	11.73	11.73	24.00	-12.27
High	5230	11.69	11.69	24.00	-12.31

PSD Results

Channel	Frequency (MHz)	Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5190	8.982	8.98	11.00	-2.02
High	5230	8.876	8.88	11.00	-2.12



1TX Antenna 4 MODE (FCC) MOBILE – 26 Tones, RU Index 17**Bandwidth and Antenna Gain**

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)
Low	5190	22.00	-6.0
High	5230	22.00	-6.0

Limits

Channel	Frequency (MHz)	FCC Power Limit (dBm)	ISED EIRP Limit (dBm)	Max ISED Power (dBm)	Power Limit (dBm)	FCC PSD Limit (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)
Low	5190	24.00	23.00	29.00	24.00	11.00	11.00
High	5230	24.00	23.00	29.00	24.00	11.00	11.00

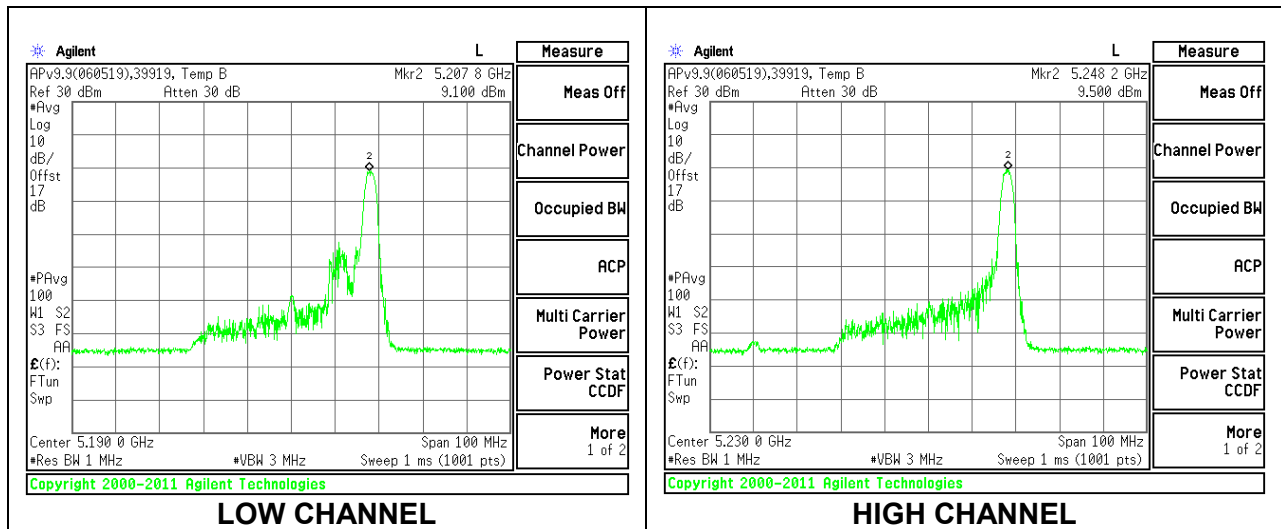
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd Power & PSD
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Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5190	11.73	11.73	24.00	-12.27
High	5230	11.74	11.74	24.00	-12.26

PSD Results

Channel	Frequency (MHz)	Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5190	9.100	9.10	11.00	-1.90
High	5230	9.500	9.50	11.00	-1.50



1TX Antenna 5 MODE (FCC) MOBILE – 484 Tones, RU Index 65**Bandwidth and Antenna Gain**

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)
Low	5190	41.20	-1.1
High	5230	41.20	-1.1

Limits

Channel	Frequency (MHz)	FCC Power Limit (dBm)	ISED EIRP Limit (dBm)	Max ISED Power (dBm)	Power Limit (dBm)	FCC PSD Limit (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)
Low	5190	24.00	23.00	24.10	24.00	11.00	11.00
High	5230	24.00	23.00	24.10	24.00	11.00	11.00

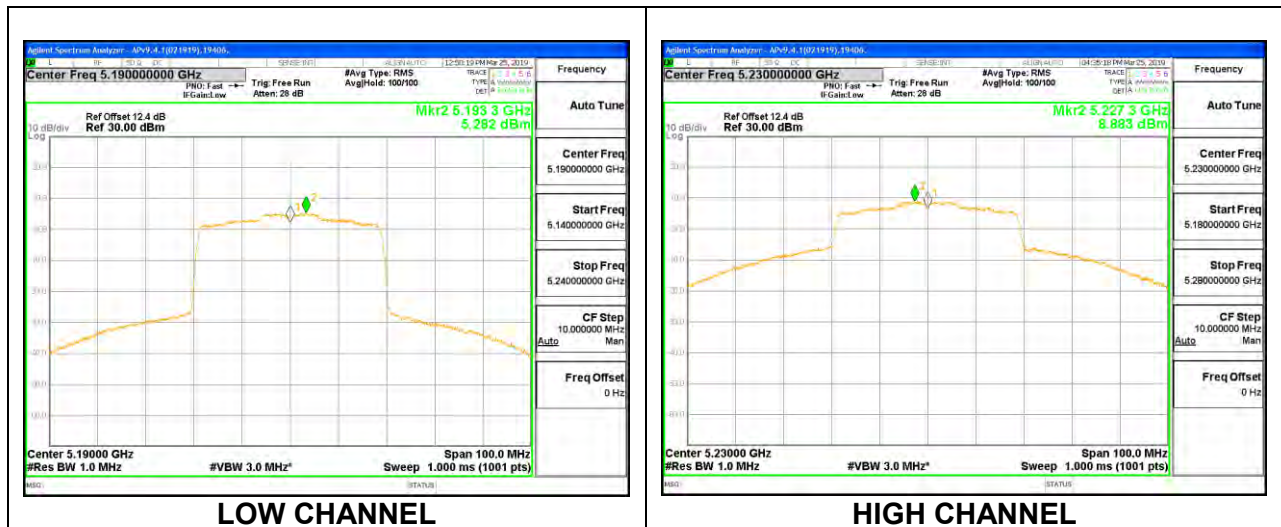
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd Power & PSD
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Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5190	15.71	15.71	24.00	-8.29
High	5230	21.19	21.19	24.00	-2.81

PSD Results

Channel	Frequency (MHz)	Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5190	5.282	5.28	11.00	-5.72
High	5230	8.883	8.88	11.00	-2.12



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

Channel	Frequency (MHz)	Min 26 dB BW (MHz)	Directional Gain (dBi)
Low	5190	21.50	-1.1
High	5230	21.70	-1.1

Limits

Channel	Frequency (MHz)	FCC Power Limit (dBm)	ISED EIRP Limit (dBm)	Max ISED Power (dBm)	Power Limit (dBm)	FCC PSD Limit (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)
Low	5190	24.00	23.00	24.10	24.00	11.00	11.00
High	5230	24.00	23.00	24.10	24.00	11.00	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)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5190	11.62	11.62	24.00	-12.38
High	5230	11.60	11.60	24.00	-12.40

PSD Results

Channel	Frequency (MHz)	Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5190	9.318	9.32	11.00	-1.68
High	5230	9.283	9.28	11.00	-1.72