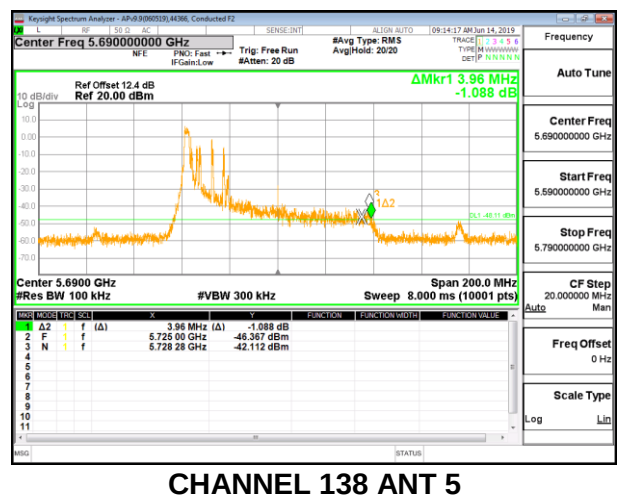
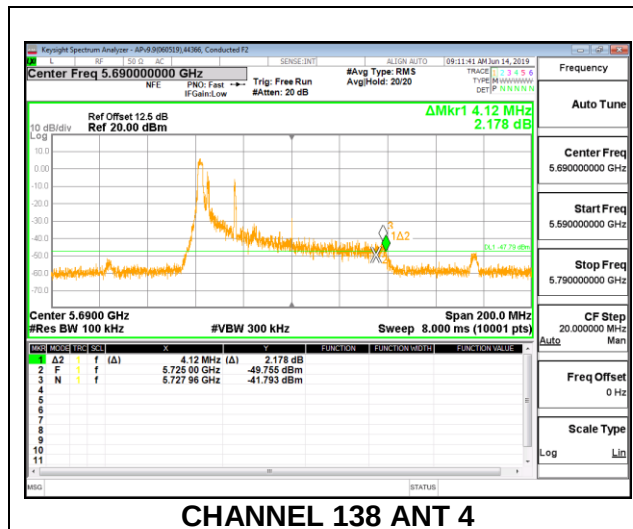
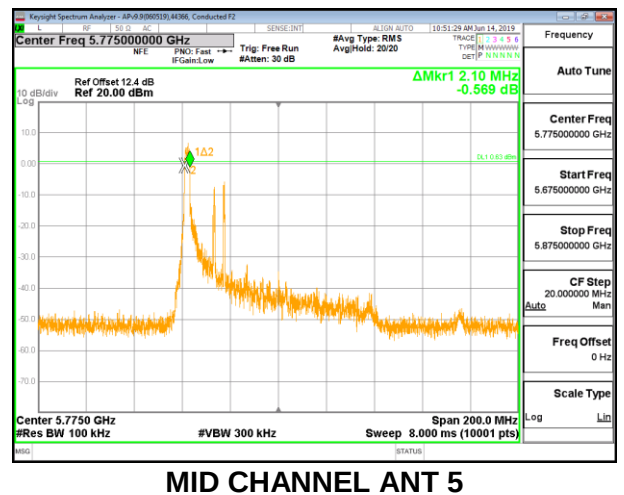
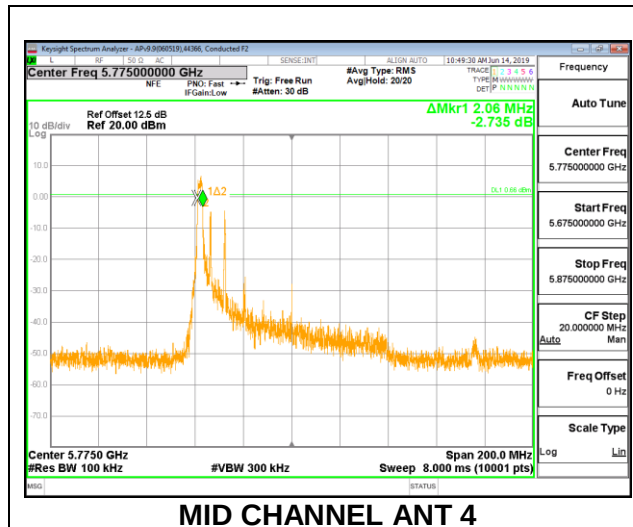


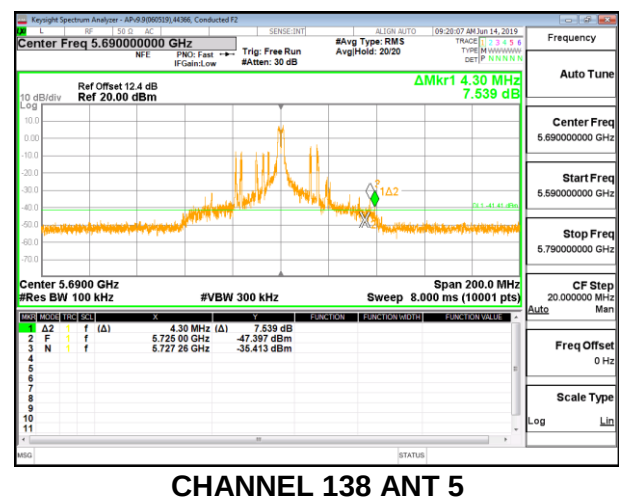
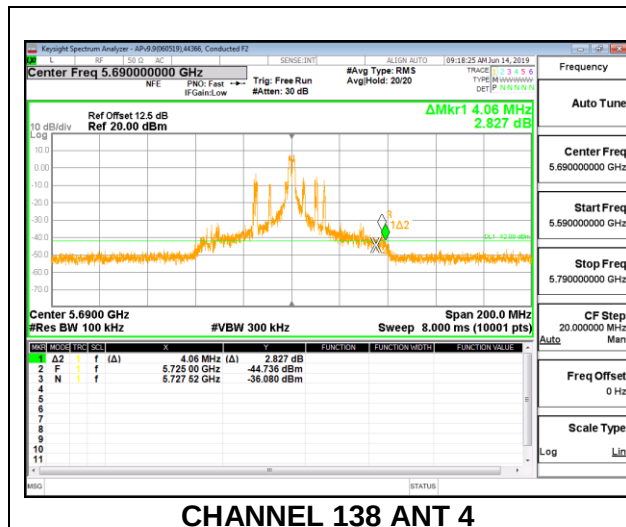
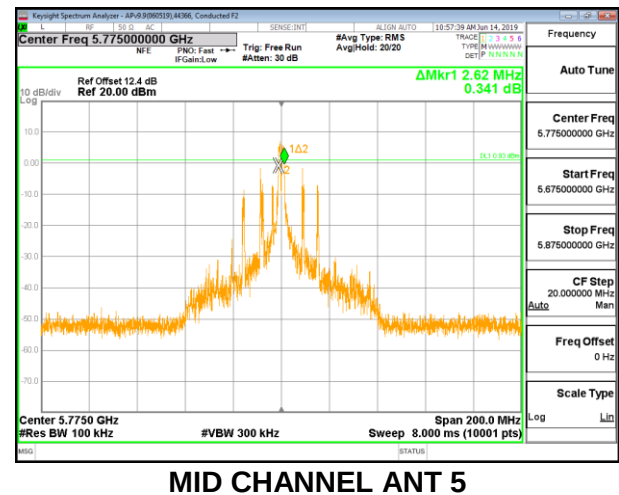
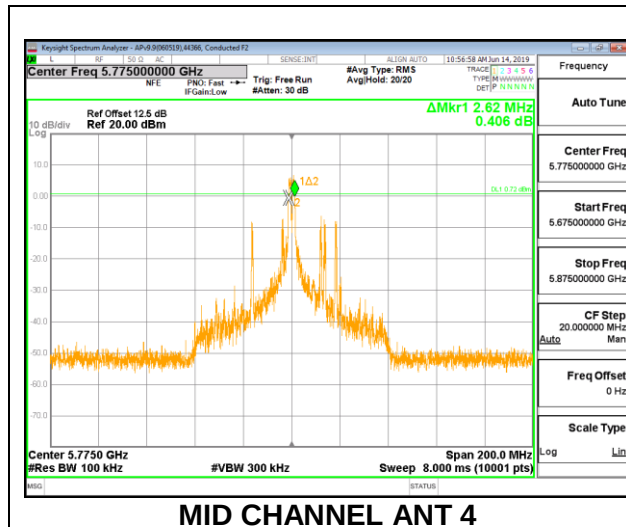
2TX Antenna 4 + Antenna 5 OFDMA MODE – 26 Tones, RU Index 0

Channel	Frequency (MHz)	6 dB BW Ant 4 (MHz)	6 dB BW Ant 5 (MHz)	Minimum Limit (MHz)
Mid	5775	2.060	2.100	0.5
138	5690	4.120	3.960	0.5



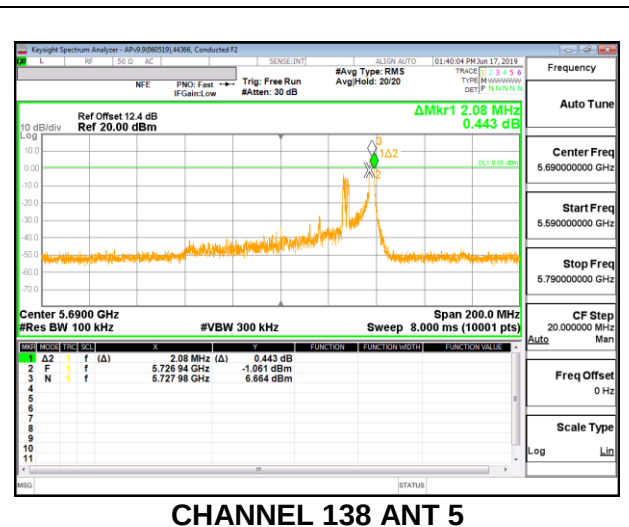
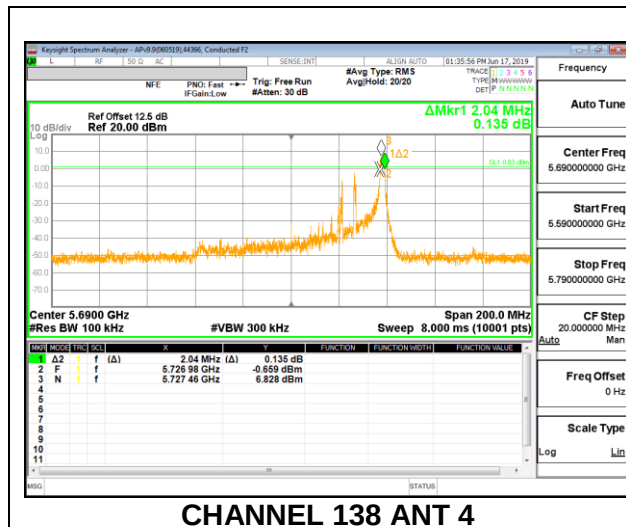
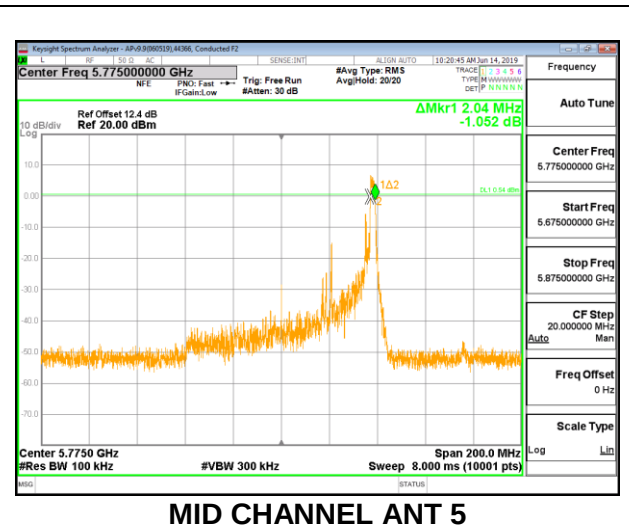
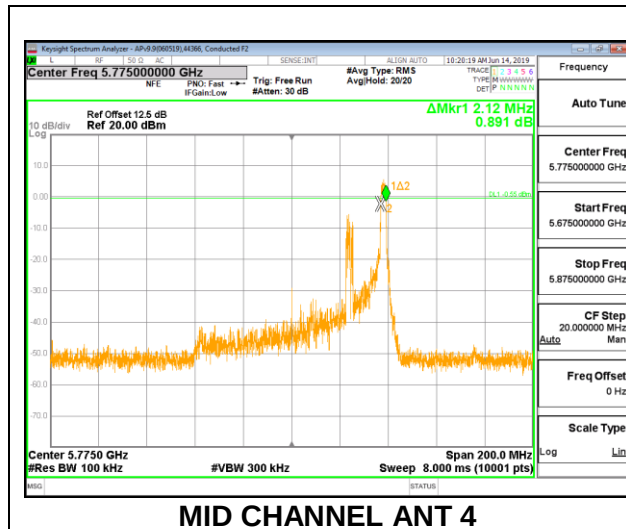
2TX Antenna 4 + Antenna 5 OFDMA MODE – 26 Tones, RU Index 18

Channel	Frequency	6 dB BW Ant 4 (MHz)	6 dB BW Ant 5 (MHz)	Minimum Limit (MHz)
Mid	5775	2.620	2.620	0.5
138	5690	4.060	4.300	0.5



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	2.120	2.040	0.5
138	5690	2.040	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 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.b (Method SA-2) was used.

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

Straddle Channel Total Power Formula
 $=10 \cdot \log(10^{(5.6 \text{Band}/10)} + 10^{(5.8 \text{Band}/10)})$

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

ID:	44366	Date:	7/09/2019
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RESULTS**8.5.1. 802.11n HT20 MODE IN THE 5.2 GHz BAND****1TX Antenna 4 MODE (FCC) MOBILE****Bandwidth and Antenna Gain**

Channel	Frequency (MHz)	Min 26dB BW (MHz)	Directional Gain (dBi)
Low	5180	22.050	-6.00
Mid	5200	22.050	-6.00
High	5240	22.150	-6.00

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	29.00	24.00	11.00
Mid	5200	24.00	23.00	29.00	24.00	11.00
High	5240	24.00	23.00	29.00	24.00	11.00

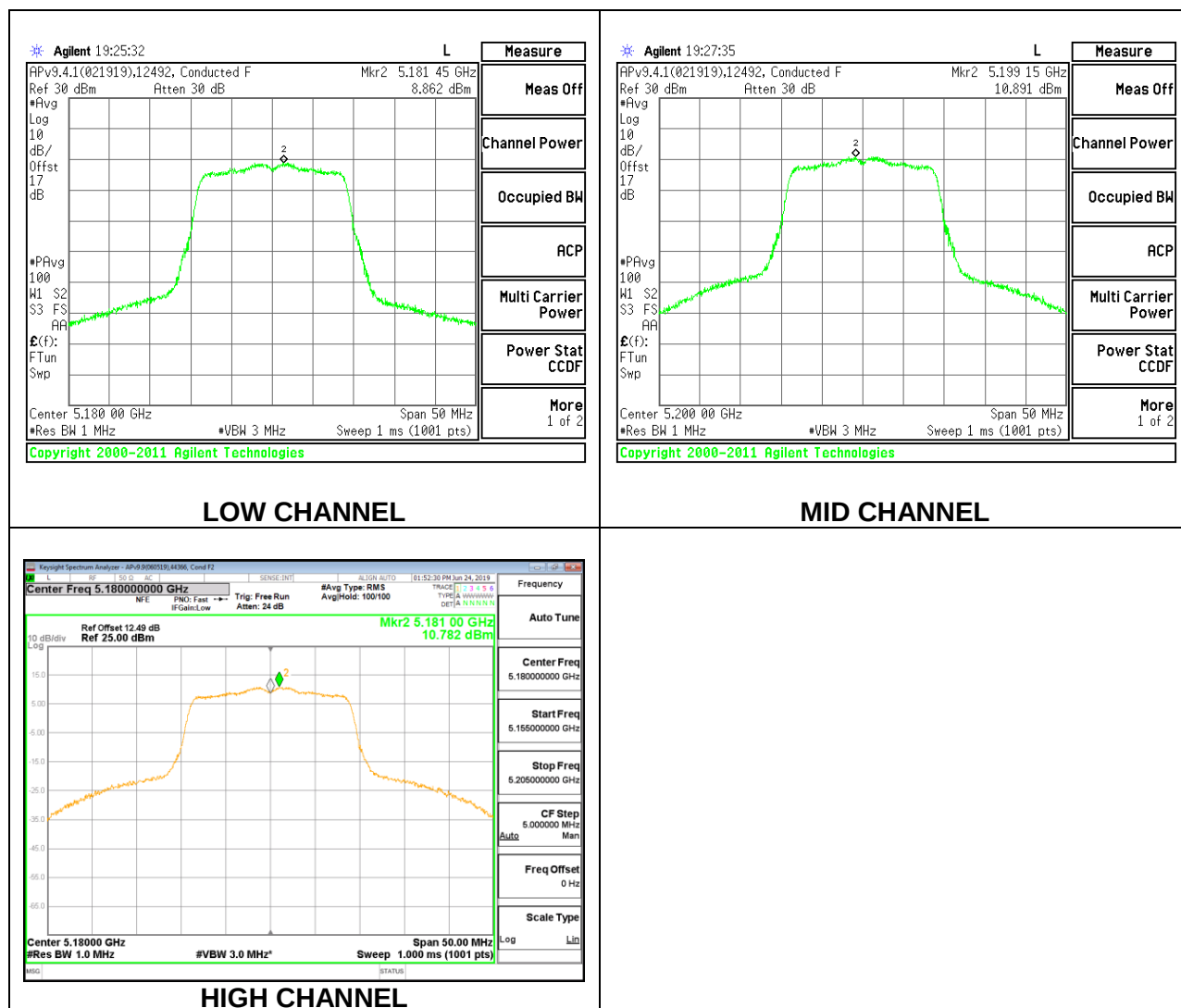
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5180	18.730	18.730	24.00	-5.27
Mid	5200	20.710	20.710	24.00	-3.29
High	5240	20.660	20.660	24.00	-3.34

PSD Results

Channel	Frequency (MHz)	Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5180	8.862	8.862	11.00	-2.14
Mid	5200	10.891	10.891	11.00	-0.11
High	5240	10.782	10.782	11.00	-0.22



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

Channel	Frequency (MHz)	Min 26dB BW (MHz)	Directional Gain (dBi)
Low	5180	22.100	-1.10
Mid	5200	22.250	-1.10
High	5240	22.000	-1.10

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	24.10	24.00	11.00
Mid	5200	24.00	23.00	24.10	24.00	11.00
High	5240	24.00	23.00	24.10	24.00	11.00

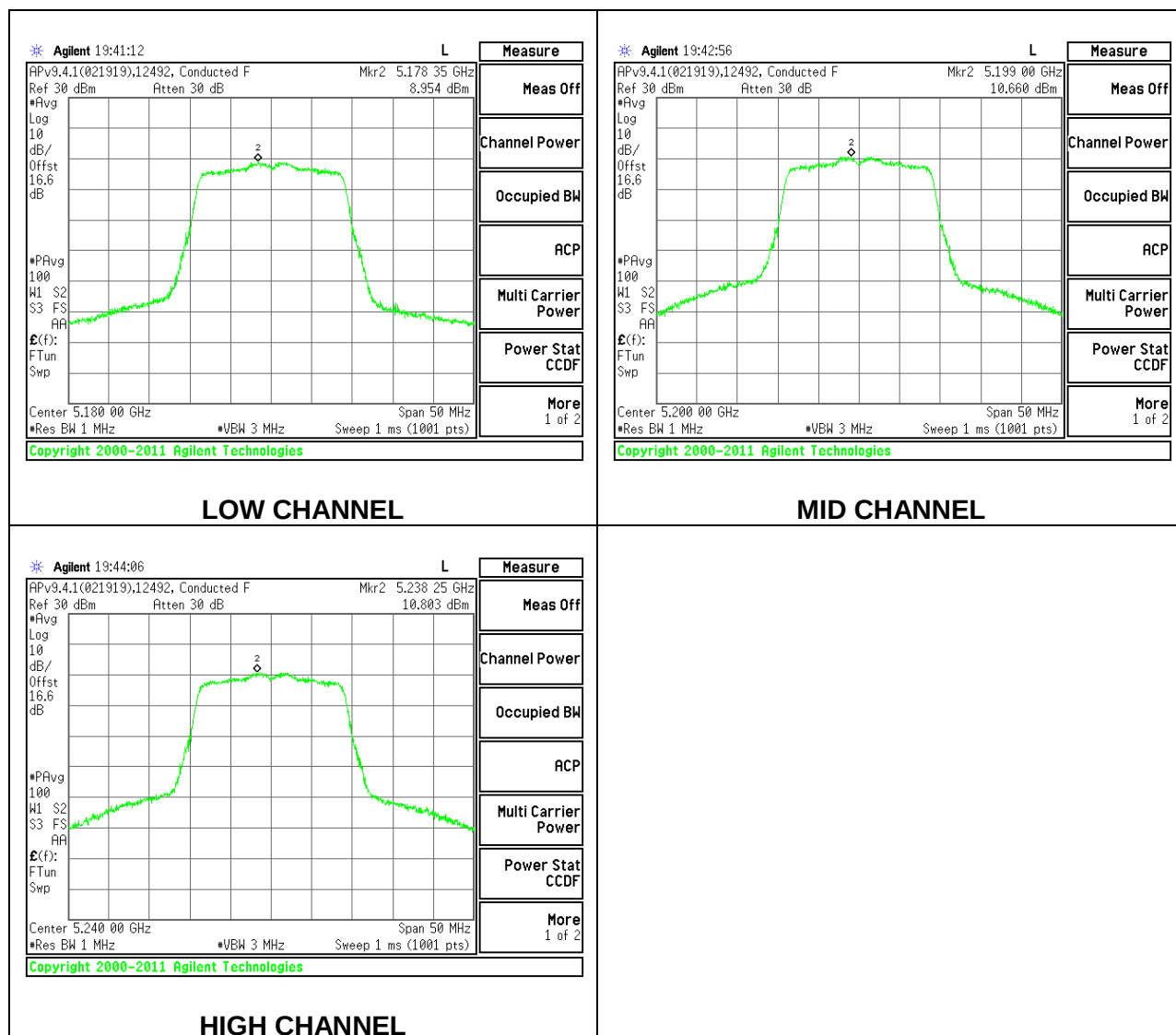
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5180	18.740	18.740	24.00	-5.26
Mid	5200	20.620	20.620	24.00	-3.38
High	5240	20.680	20.680	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	8.954	8.954	11.00	-2.05
Mid	5200	10.660	10.660	11.00	-0.34
High	5240	10.803	10.803	11.00	-0.20



2TX Antenna 4 + Antenna 5 CDD MODE (FCC) MOBILE

Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 26dB BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)
Low	5180	21.650	-2.89	-0.20
Mid	5200	21.650	-2.89	-0.20
High	5240	21.750	-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)
Low	5180	24.00	23.00	25.89	24.00	11.00
Mid	5200	24.00	23.00	25.89	24.00	11.00
High	5240	24.00	23.00	25.89	24.00	11.00

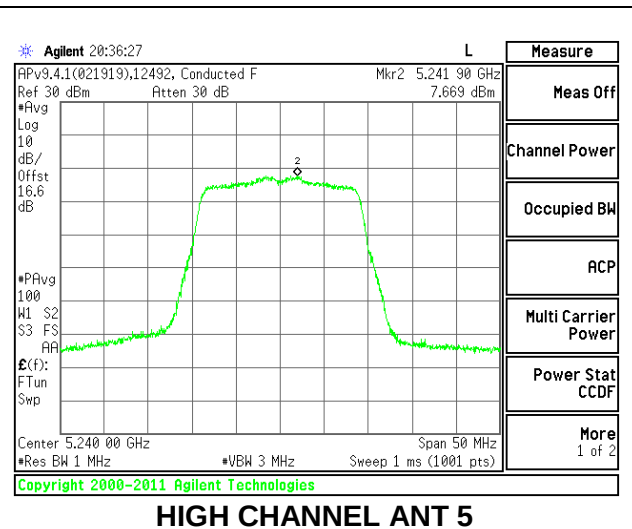
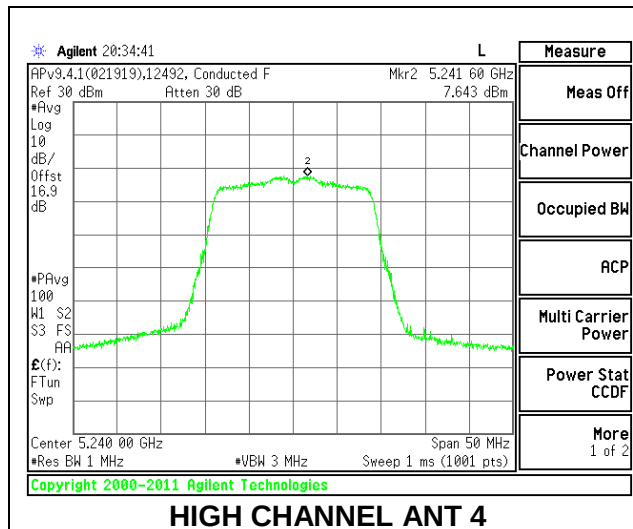
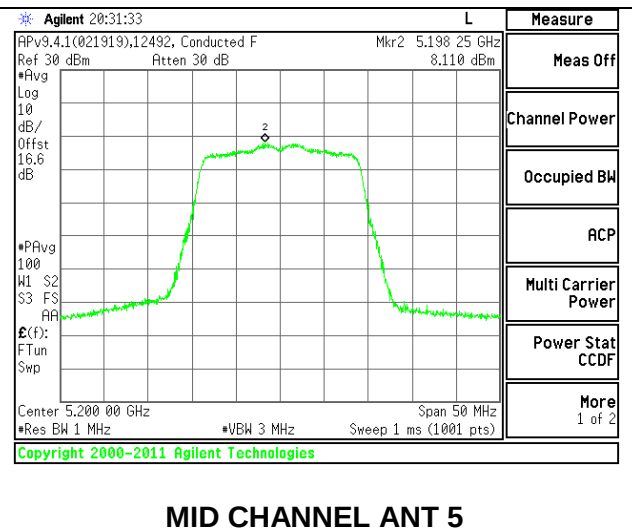
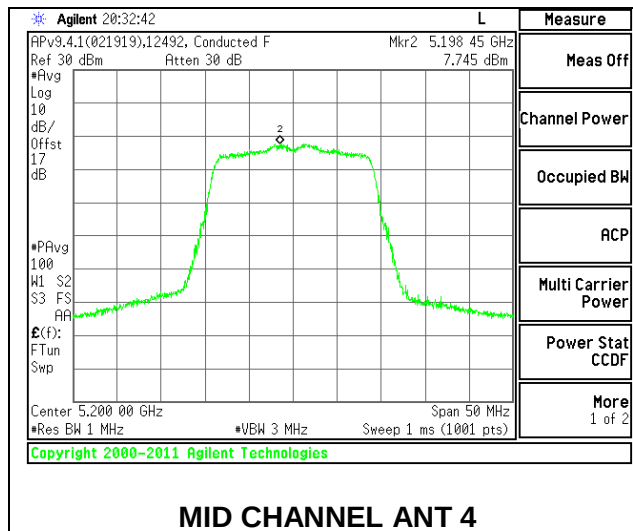
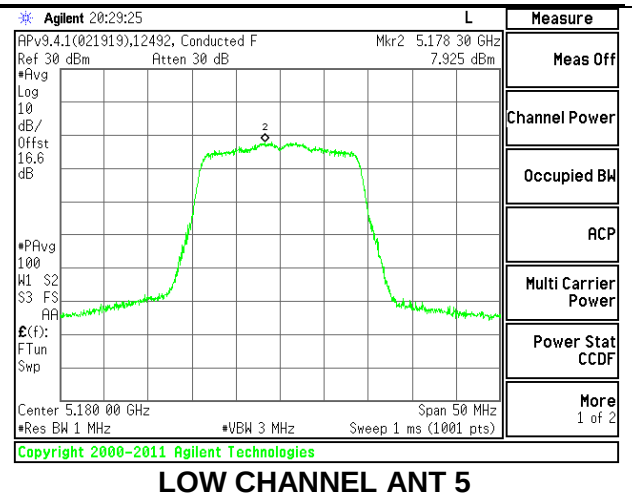
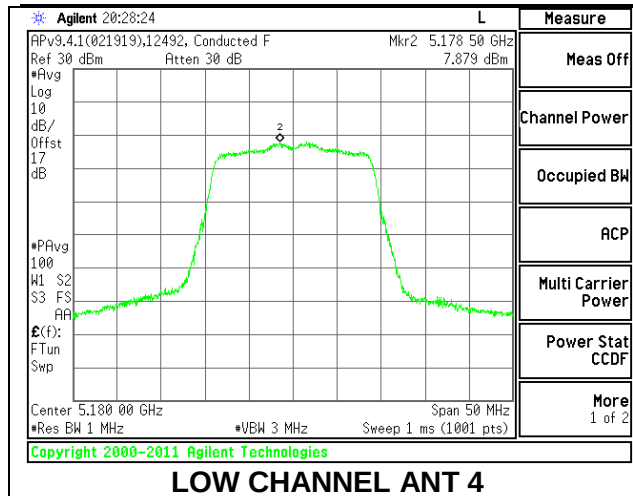
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Ant 4 Meas Power (dBm)	Ant 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5180	17.620	17.640	20.640	24.00	-3.36
Mid	5200	17.600	17.660	20.640	24.00	-3.36
High	5240	17.560	17.570	20.575	24.00	-3.42

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	7.879	7.925	10.912	11.00	-0.09
Mid	5200	7.745	8.110	10.942	11.00	-0.06
High	5240	7.643	7.669	10.666	11.00	-0.33



8.5.2. 802.11n HT40 MODE IN THE 5.2 GHz BAND

1TX Antenna 4 MODE (FCC) MOBILE

Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 26dB BW (MHz)	Directional Gain (dBi)
Low	5190	40.800	-6.00
High	5230	40.800	-6.00

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	5190	24.00	23.00	29.00	24.00	11.00
High	5230	24.00	23.00	29.00	24.00	11.00

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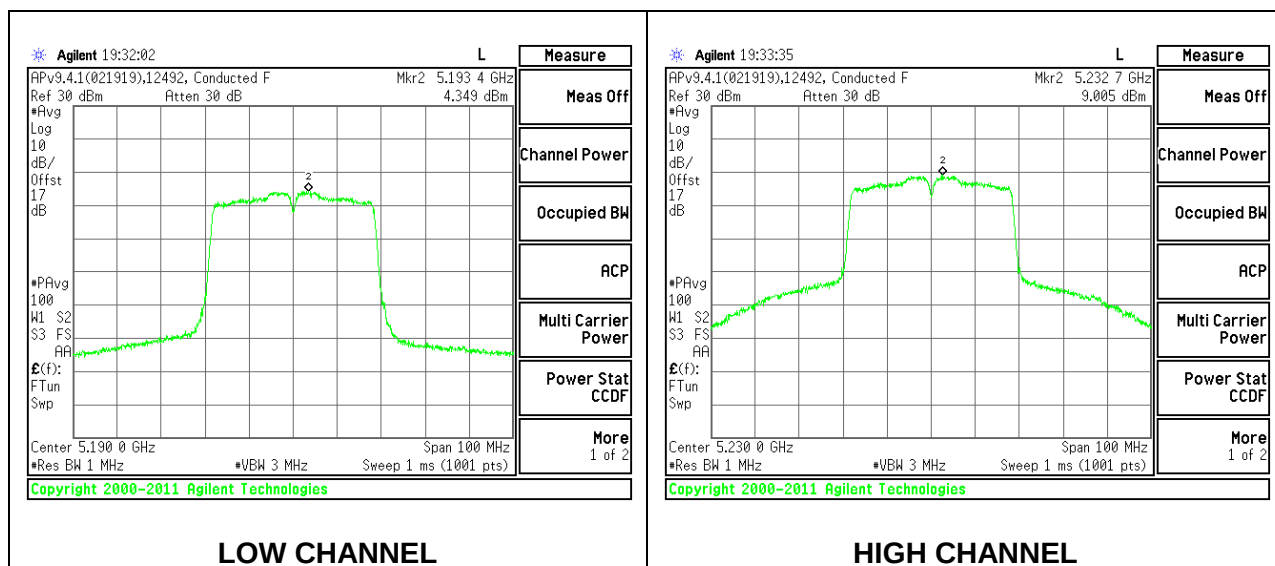
Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5190	17.190	17.190	24.00	-6.81
High	5230	21.200	21.200	24.00	-2.80

PSD Results

Channel	Frequency (MHz)	Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5190	4.349	4.439	11.00	-6.56
High	5230	9.005	9.095	11.00	-1.91

Note: High Ch. PSD tested at higher power.



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

Channel	Frequency (MHz)	Min 26dB BW (MHz)	Directional Gain (dBi)
Low	5190	40.800	-1.10
High	5230	40.800	-1.10

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	5190	24.00	23.00	24.10	24.00	11.00
High	5230	24.00	23.00	24.10	24.00	11.00

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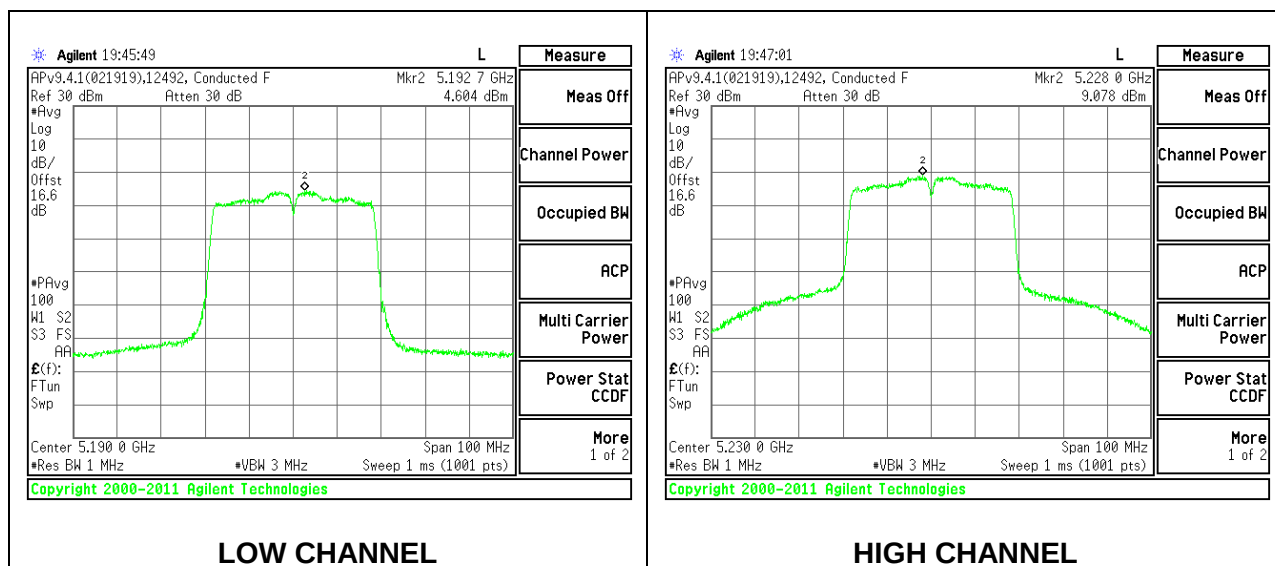
Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5190	17.230	17.230	24.00	-6.77
High	5230	21.170	21.170	24.00	-2.83

PSD Results

Channel	Frequency (MHz)	Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5190	4.604	4.694	11.00	-6.31
High	5230	9.078	9.168	11.00	-1.83

Note: High Ch. PSD tested at higher power.



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

Channel	Frequency (MHz)	Min 26dB BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)
Low	5190	40.400	-2.89	-0.20
High	5230	40.600	-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)
Low	5190	24.00	23.00	25.89	24.00	11.00
High	5230	24.00	23.00	25.89	24.00	11.00

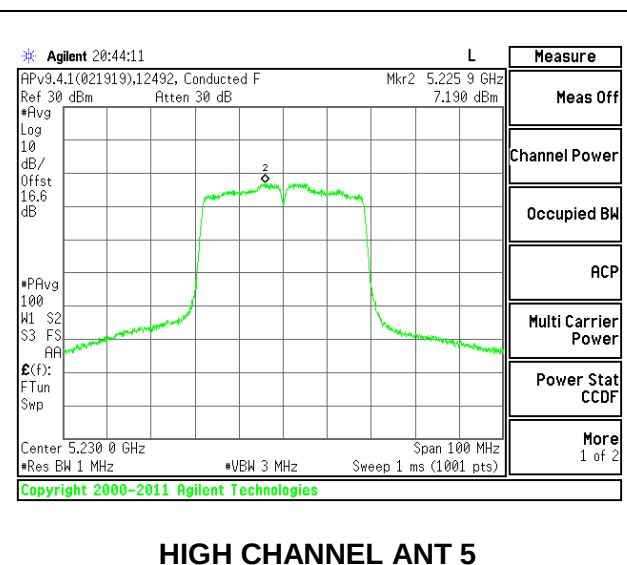
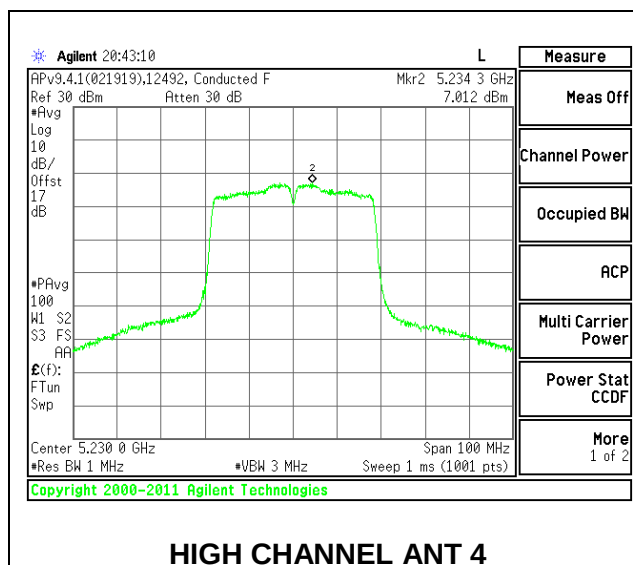
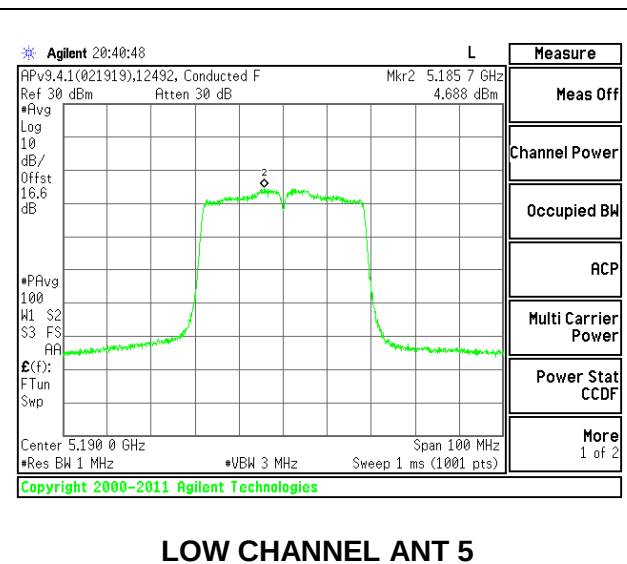
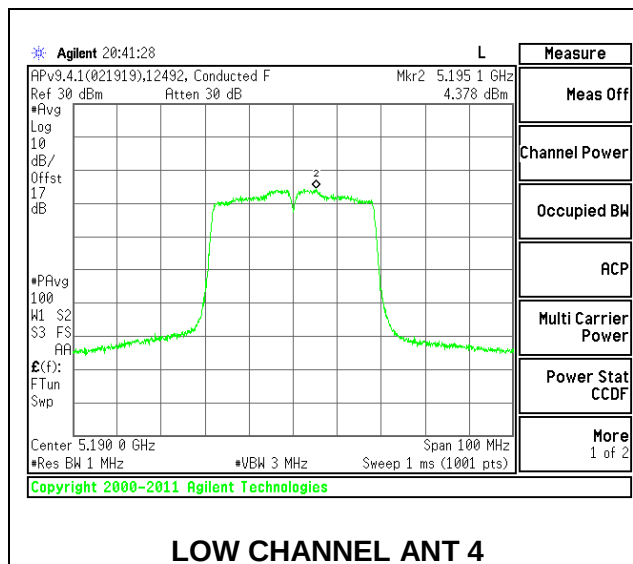
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd Power & PSD
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Output Power Results

Channel	Frequency (MHz)	Ant 4 Meas Power (dBm)	Ant 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5190	16.670	16.710	19.700	24.00	-4.30
High	5230	19.650	19.670	22.670	24.00	-1.33

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	4.378	4.688	7.546	11.00	-3.45
High	5230	7.012	7.190	10.112	11.00	-0.89



8.5.3. 802.11ac VHT80 MODE IN THE 5.2 GHz BAND

1TX Antenna 4 MODE (FCC)

Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 26dB BW (MHz)	Directional Gain (dBi)
Mid	5210	83.400	-6.00

Limits

Channel	Frequency (MHz)	FCC Power Limit (dBm)	ISED EIRP Limit (dBm)	Max ISED Power (dBm)	Power Limit (dBm)	FCC PSD Limit (dBm/ 1MHz)	ISED eirp PSD Limit (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)
Mid	5210	30.00	23.00	29.00	29.00	11.00	10.00	11.00

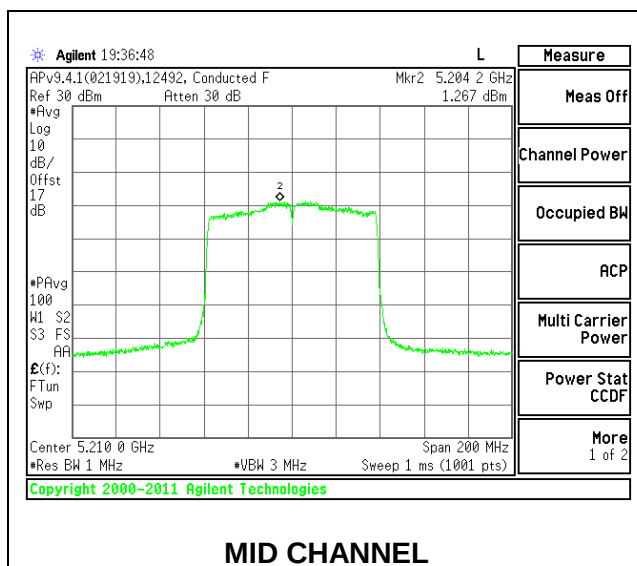
Duty Cycle CF (dB)	0.19	Included in Calculations of Corr'd Power & PSD
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Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5210	17.190	17.190	29.00	-11.81

PPSD Results

Channel	Frequency (MHz)	Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Mid	5210	1.267	1.457	11.00	-9.54



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

Channel	Frequency (MHz)	Min 26dB BW (MHz)	Directional Gain (dBi)
Mid	5210	83.400	-1.10

Limits

Channel	Frequency (MHz)	FCC Power Limit (dBm)	ISED EIRP Limit (dBm)	Max ISED Power (dBm)	Power Limit (dBm)	FCC PSD Limit (dBm/ 1MHz)	ISED eirp PSD Limit (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)
Mid	5210	30.00	23.00	24.10	24.10	11.00	10.00	11.00

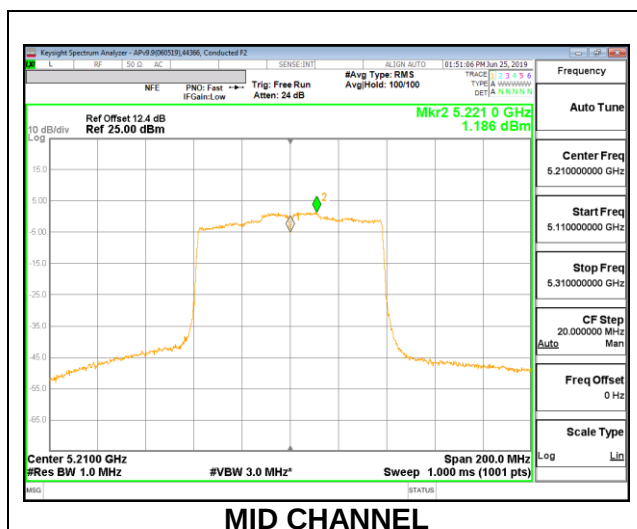
Duty Cycle CF (dB)	0.19	Included in Calculations of Corr'd Power & PSD
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Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Mid	5210	17.180	17.180	24.10	-6.92

PPSD Results

Channel	Frequency (MHz)	Meas PSD (dBm/ 1MHz)	Total Corr'd PSD (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Mid	5210	1.186	1.376	11.00	-9.62



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

Channel	Frequency (MHz)	Min 26dB BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)
Mid	5210	83.600	-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)	ISED eirp PSD Limit (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)
Mid	5210	24.00	23.00	25.89	24.00	11.00	10.00	10.20

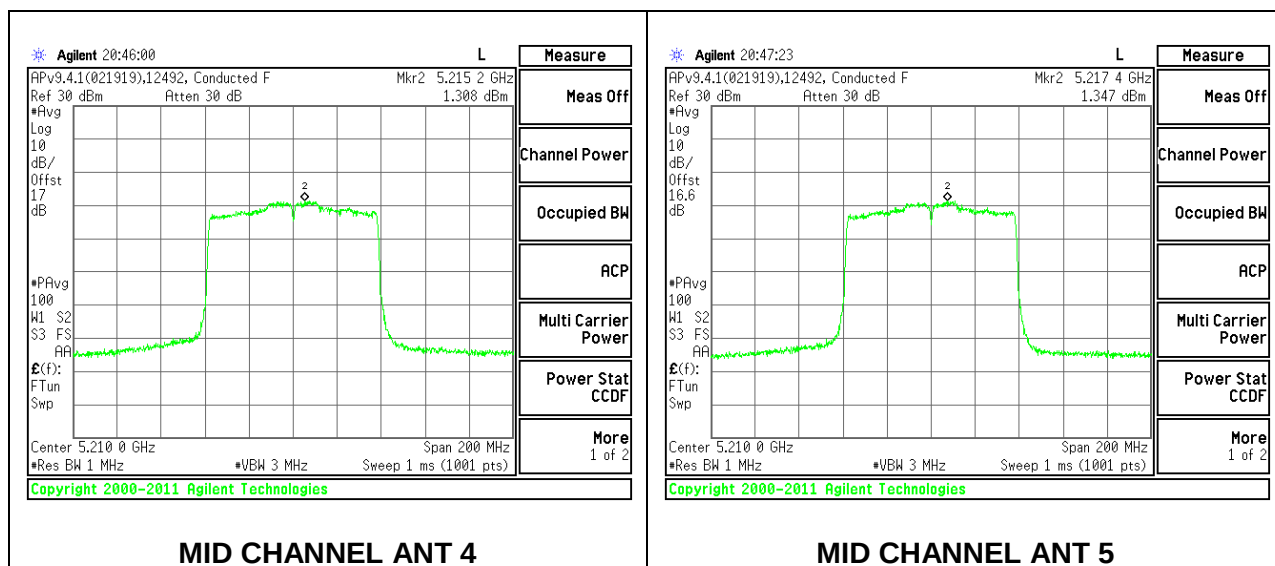
Duty Cycle CF (dB)	0.18	Included in Calculations of Corr'd Power & PSD
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Output Power Results

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	16.200	16.220	19.220	24.00	-4.78

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	1.308	1.347	4.518	11.00	-6.48



8.5.4. 802.11ax HE20 MODE IN THE 5.2 GHz BAND**1TX Antenna 4 MODE (FCC) MOBILE – 242 Tones, RU Index 61****Bandwidth and Antenna Gain**

Channel	Frequency (MHz)	Min 26dB BW (MHz)	Directional Gain (dBi)
Low	5180	21.900	-6.00
Mid	5200	22.000	-6.00
High	5240	21.900	-6.00

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	29.00	24.00	11.00	10.00	11.00
Mid	5200	24.00	23.00	29.00	24.00	11.00	10.00	11.00
High	5240	24.00	23.00	29.00	24.00	11.00	10.00	11.00

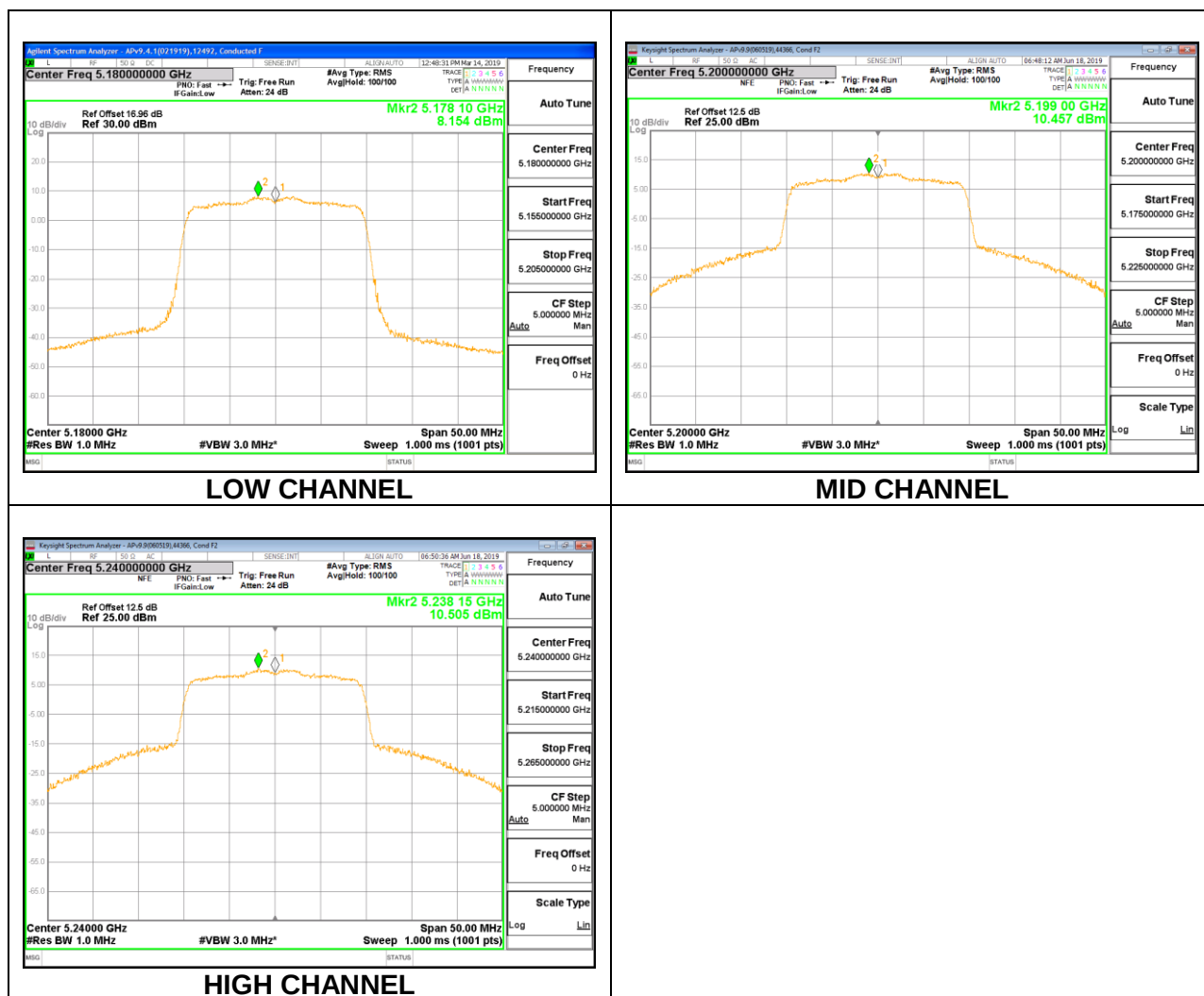
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5180	17.690	17.690	24.00	-6.31
Mid	5200	20.690	20.690	24.00	-3.31
High	5240	20.710	20.710	24.00	-3.29

PSD Results

Channel	Frequency (MHz)	Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5180	8.154	8.154	11.00	-2.85
Mid	5200	10.457	10.457	11.00	-0.54
High	5240	10.505	10.505	11.00	-0.50



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

Channel	Frequency (MHz)	Min 26dB BW (MHz)	Directional Gain (dBi)
Low	5180	20.600	-6.00
Mid	5200	20.500	-6.00
High	5240	20.550	-6.00

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	29.00	24.00	11.00	10.00	11.00
Mid	5200	24.00	23.00	29.00	24.00	11.00	10.00	11.00
High	5240	24.00	23.00	29.00	24.00	11.00	10.00	11.00

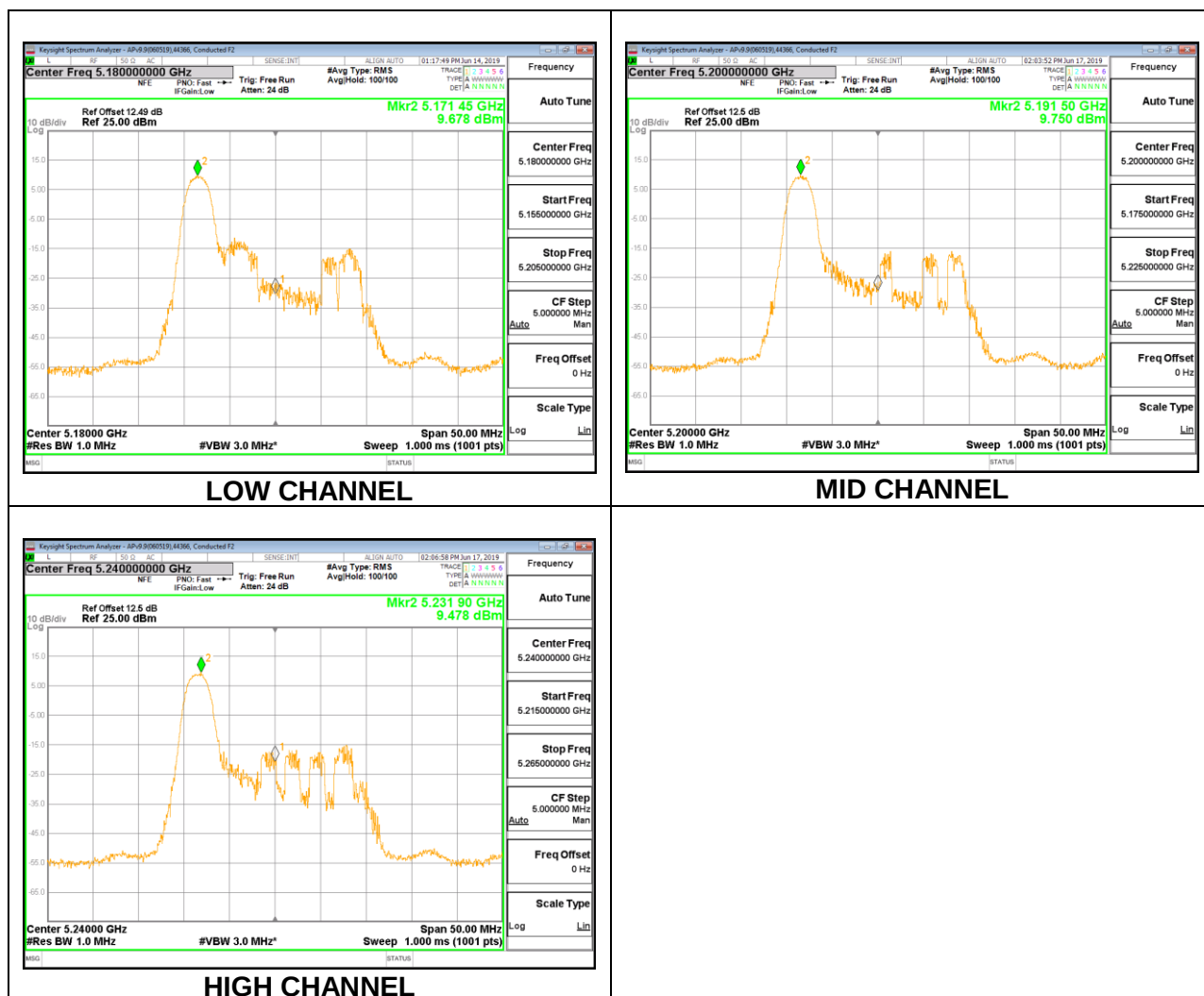
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5180	11.690	11.690	24.00	-12.31
Mid	5200	11.700	11.700	24.00	-12.30
High	5240	11.660	11.660	24.00	-12.34

PSD Results

Channel	Frequency (MHz)	Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5180	9.678	9.678	11.00	-1.32
Mid	5200	9.750	9.750	11.00	-1.25
High	5240	9.478	9.478	11.00	-1.52



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

Channel	Frequency (MHz)	Min 26dB BW (MHz)	Directional Gain (dBi)
Low	5180	19.800	-6.00
Mid	5200	19.400	-6.00
High	5240	19.550	-6.00

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	22.97	28.97	24.00	11.00	10.00	11.00
Mid	5200	24.00	22.88	28.88	24.00	11.00	10.00	11.00
High	5240	24.00	22.91	28.91	24.00	11.00	10.00	11.00

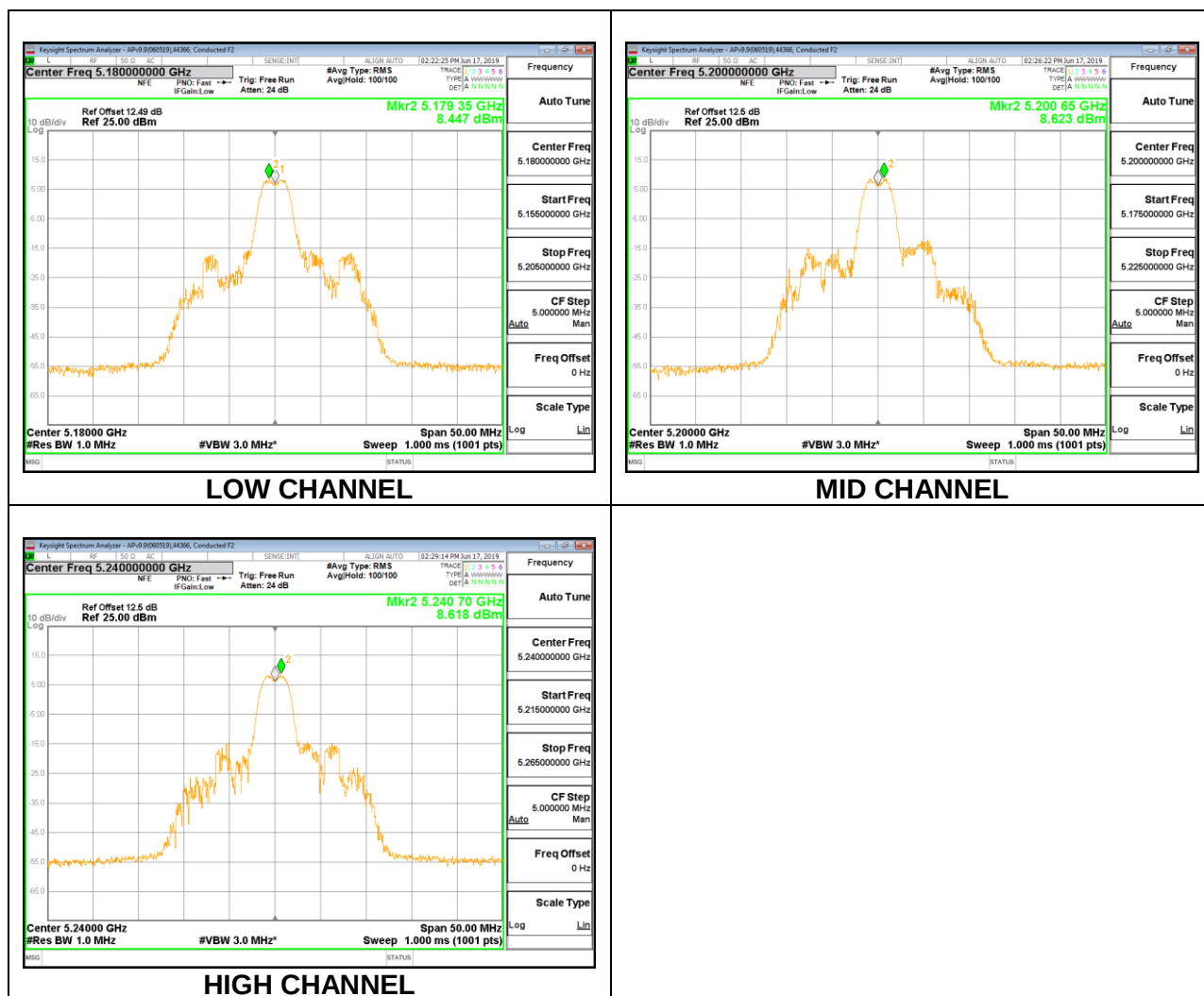
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5180	11.640	11.640	24.00	-12.36
Mid	5200	11.690	11.690	24.00	-12.31
High	5240	11.680	11.680	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	8.447	8.447	11.00	-2.55
Mid	5200	8.623	8.623	11.00	-2.38
High	5240	8.618	8.618	11.00	-2.38



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

Channel	Frequency (MHz)	Min 26dB BW (MHz)	Directional Gain (dBi)
Low	5180	21.050	-6.00
Mid	5200	21.100	-6.00
High	5240	21.250	-6.00

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	29.00	24.00	11.00	10.00	11.00
Mid	5200	24.00	23.00	29.00	24.00	11.00	10.00	11.00
High	5240	24.00	23.00	29.00	24.00	11.00	10.00	11.00

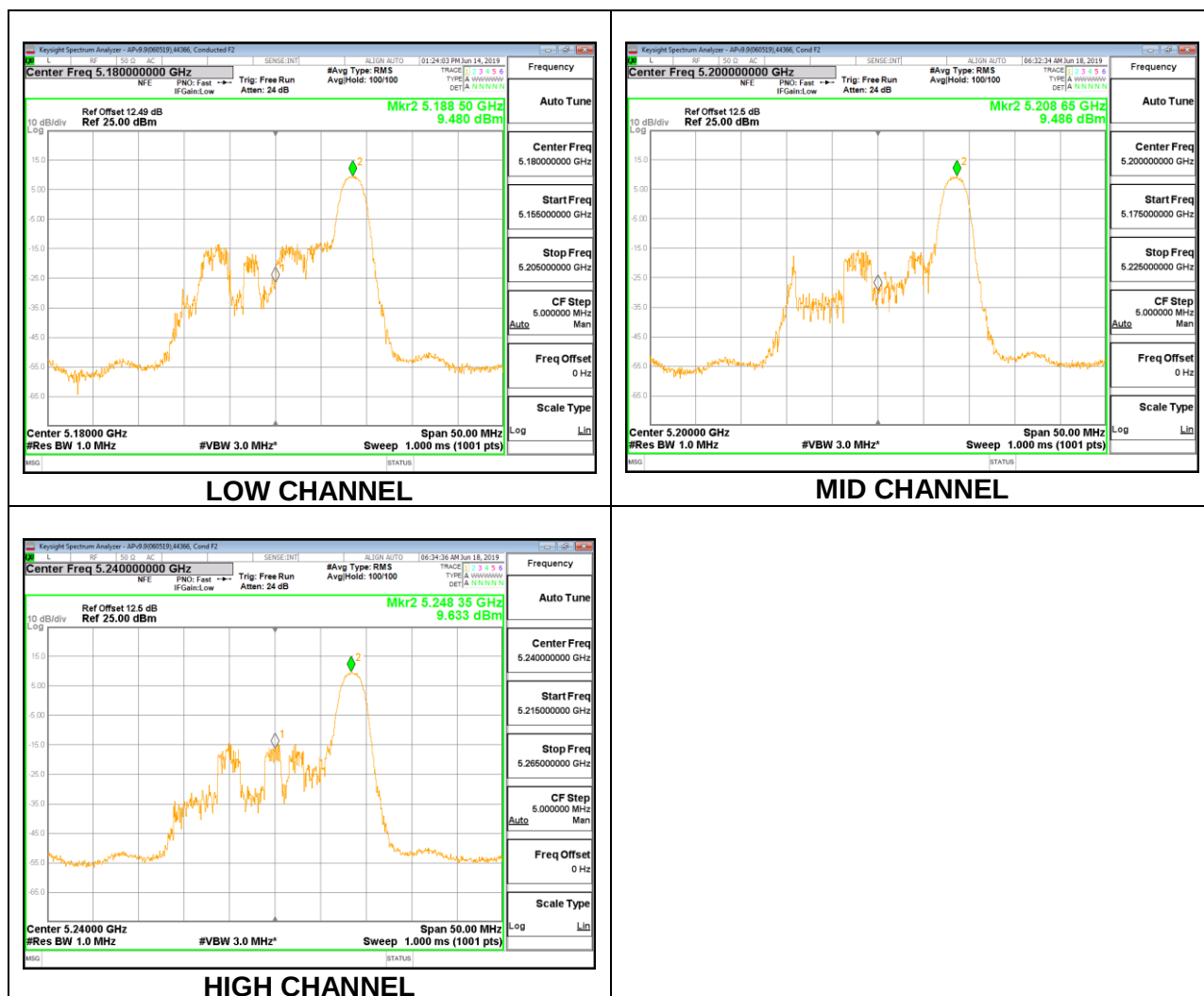
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5180	11.670	11.670	24.00	-12.33
Mid	5200	11.670	11.670	24.00	-12.33
High	5240	11.690	11.690	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	5180	9.480	9.480	11.00	-1.52
Mid	5200	9.486	9.486	11.00	-1.51
High	5240	9.633	9.633	11.00	-1.37



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	21.850	-1.10
Mid	5200	21.950	-1.10
High	5240	21.850	-1.10

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	24.10	24.00	11.00	10.00	11.00
Mid	5200	24.00	23.00	24.10	24.00	11.00	10.00	11.00
High	5240	24.00	23.00	24.10	24.00	11.00	10.00	11.00

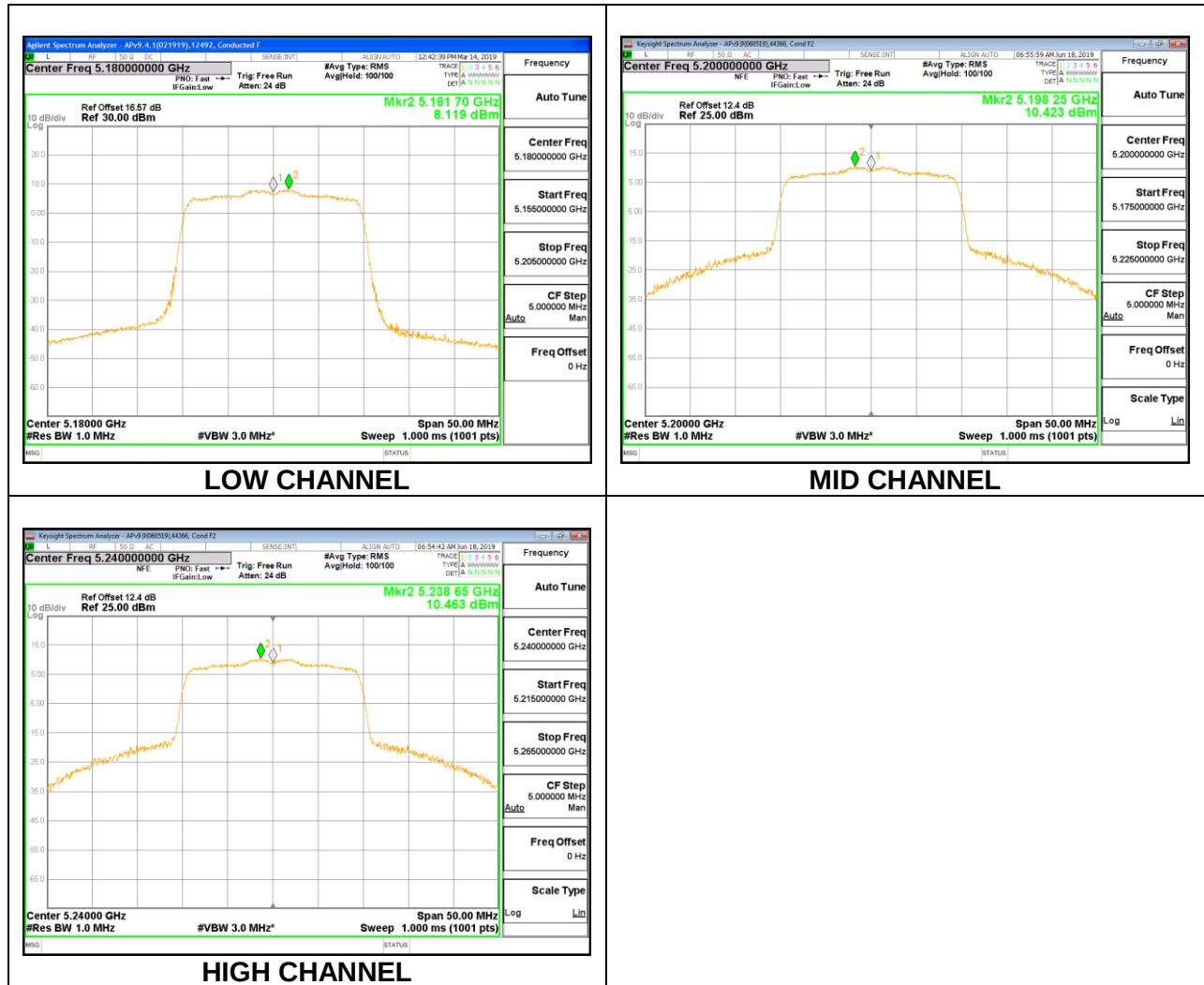
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5180	17.720	17.720	24.00	-6.28
Mid	5200	20.690	20.690	24.00	-3.31
High	5240	20.690	20.690	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	8.119	8.119	11.00	-2.88
Mid	5200	10.423	10.423	11.00	-0.58
High	5240	10.463	10.463	11.00	-0.54



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	20.600	-1.10
Mid	5200	20.600	-1.10
High	5240	20.350	-1.10

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	24.10	24.00	11.00	10.00	11.00
Mid	5200	24.00	23.00	24.10	24.00	11.00	10.00	11.00
High	5240	24.00	23.00	24.10	24.00	11.00	10.00	11.00

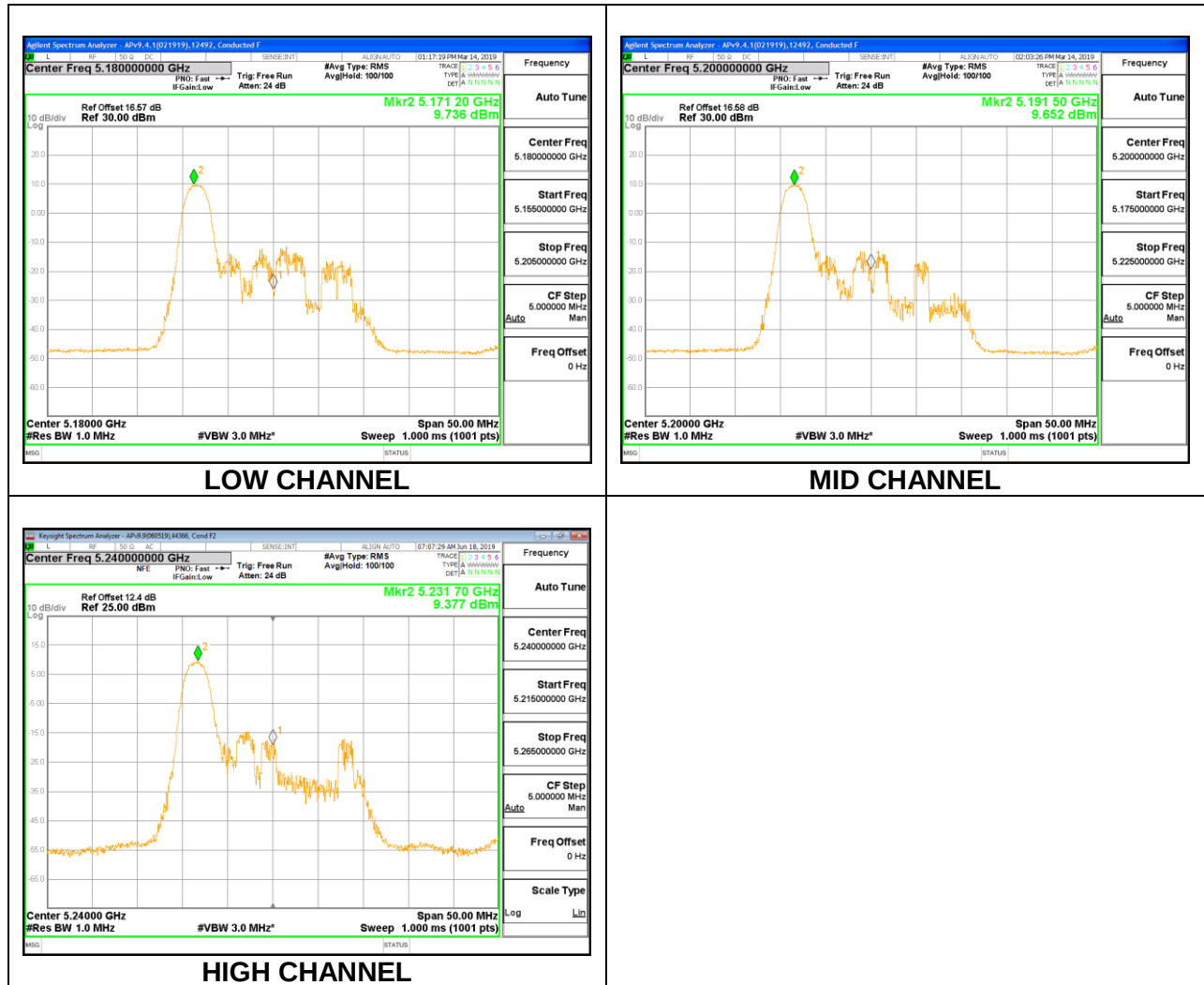
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5180	11.670	11.670	24.00	-12.33
Mid	5200	11.650	11.650	24.00	-12.35
High	5240	11.630	11.630	24.00	-12.37

PSD Results

Channel	Frequency (MHz)	Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5180	9.736	9.736	11.00	-1.26
Mid	5200	9.652	9.652	11.00	-1.35
High	5240	9.377	9.377	11.00	-1.62



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	19.700	-1.10
Mid	5200	20.050	-1.10
High	5240	19.900	-1.10

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	24.04	24.00	11.00	10.00	11.00
Mid	5200	24.00	23.00	24.10	24.00	11.00	10.00	11.00
High	5240	24.00	22.99	24.09	24.00	11.00	10.00	11.00

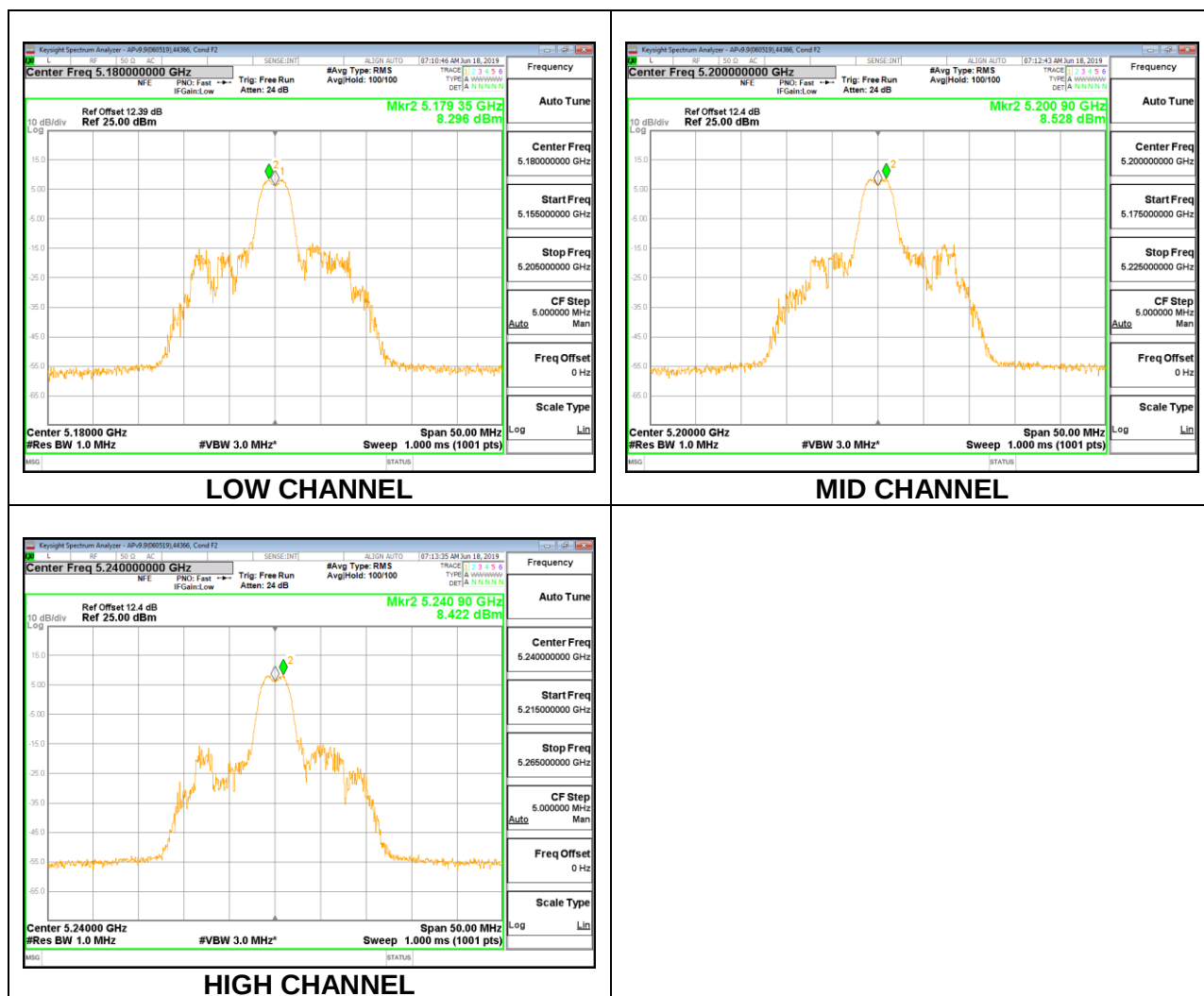
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5180	11.570	11.570	24.00	-12.43
Mid	5200	11.630	11.630	24.00	-12.37
High	5240	11.620	11.620	24.00	-12.38

PSD Results

Channel	Frequency (MHz)	Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5180	8.296	8.296	11.00	-2.70
Mid	5200	8.528	8.528	11.00	-2.47
High	5240	8.422	8.422	11.00	-2.58



2TX Antenna 4 + 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	21.800	-2.89	-0.20
Mid	5200	21.950	-2.89	-0.20
High	5240	21.700	-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)
Low	5180	24.00	23.00	25.89	24.00	11.00
Mid	5200	24.00	23.00	25.89	24.00	11.00
High	5240	24.00	23.00	25.89	24.00	11.00

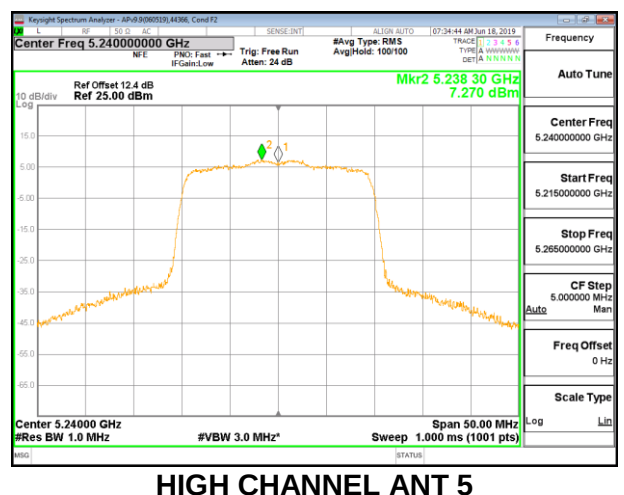
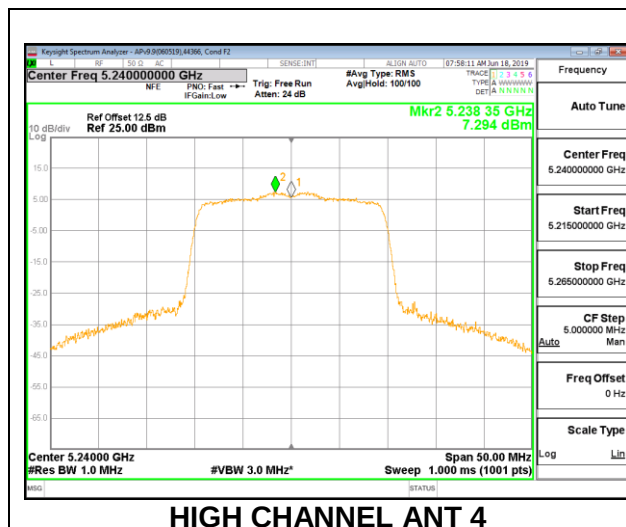
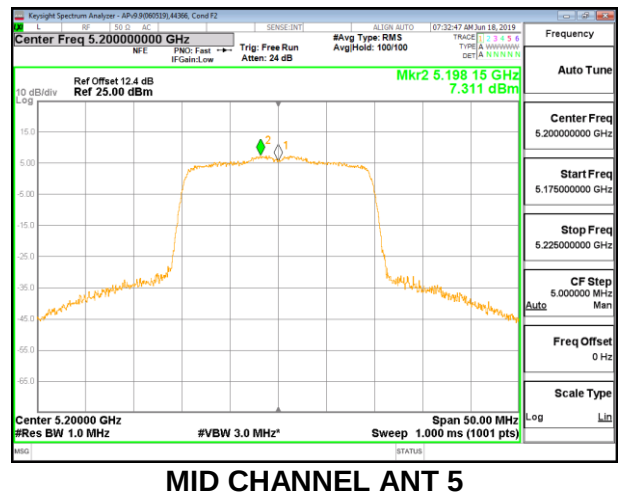
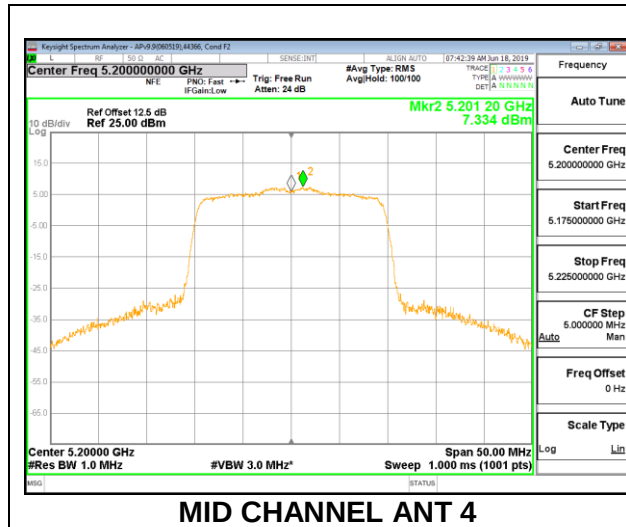
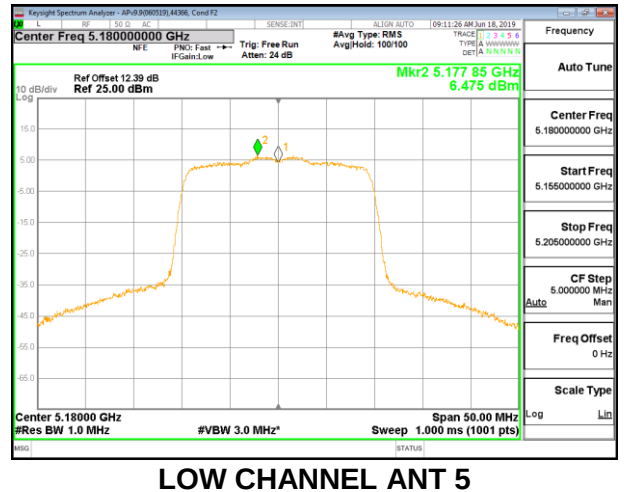
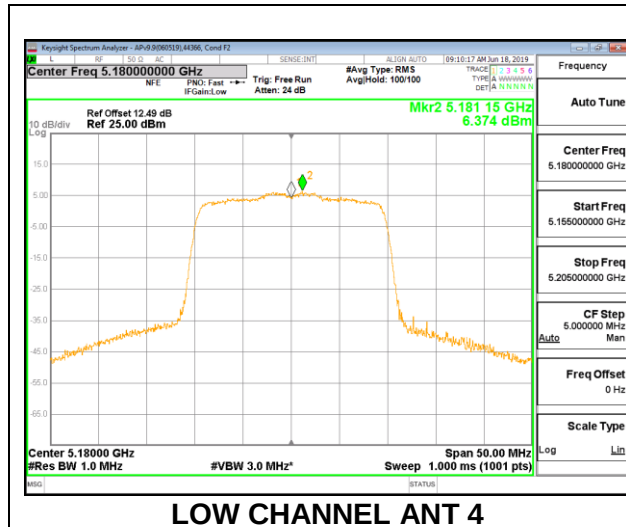
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency (MHz)	Ant 4 Meas Power (dBm)	Ant 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5180	16.080	16.100	19.100	24.00	-4.90
Mid	5200	17.690	17.700	20.705	24.00	-3.29
High	5240	17.680	17.680	20.690	24.00	-3.31

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	6.374	6.475	9.435	11.00	-1.56
Mid	5200	7.334	7.311	10.333	11.00	-0.67
High	5240	7.294	7.270	10.292	11.00	-0.71



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

Bandwidth and Antenna Gain

Channel	Frequency (MHz)	Min 26dB BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)
Low	5180	20.000	-2.89	-0.20
Mid	5200	20.200	-2.89	-0.20
High	5240	20.150	-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)	ISED eirp PSD Limit (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)
Low	5180	24.00	23.00	25.89	24.00	11.00	10.00	10.20
Mid	5200	24.00	23.00	25.89	24.00	11.00	10.00	10.20
High	5240	24.00	23.00	25.89	24.00	11.00	10.00	10.20

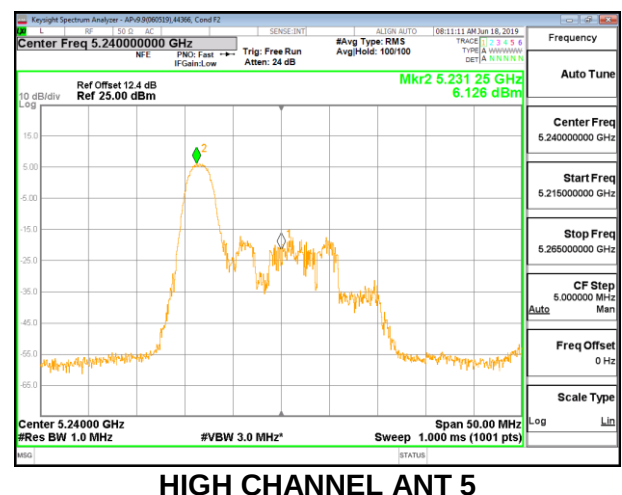
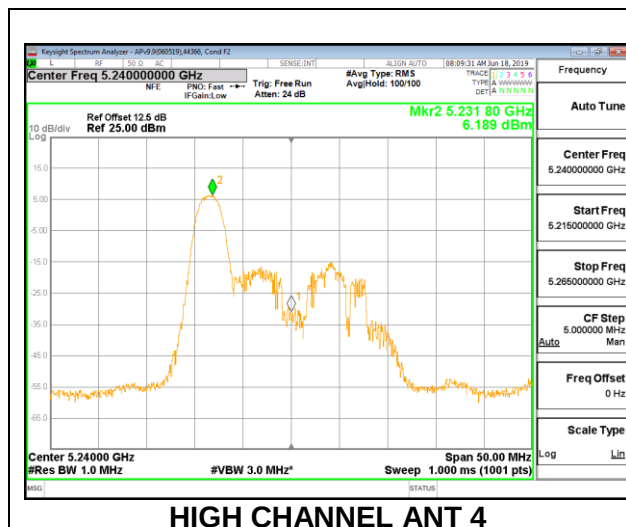
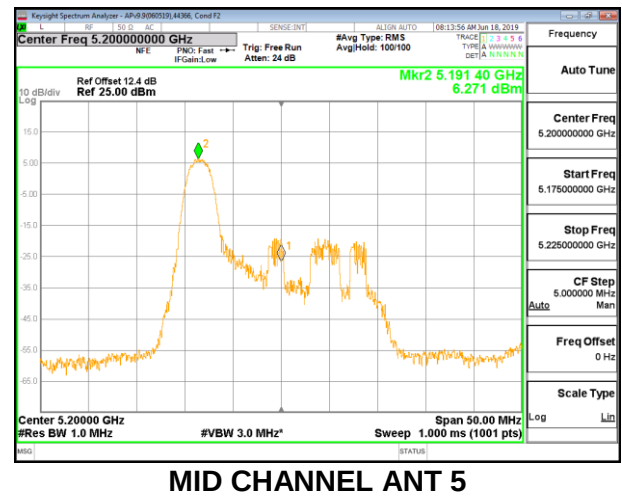
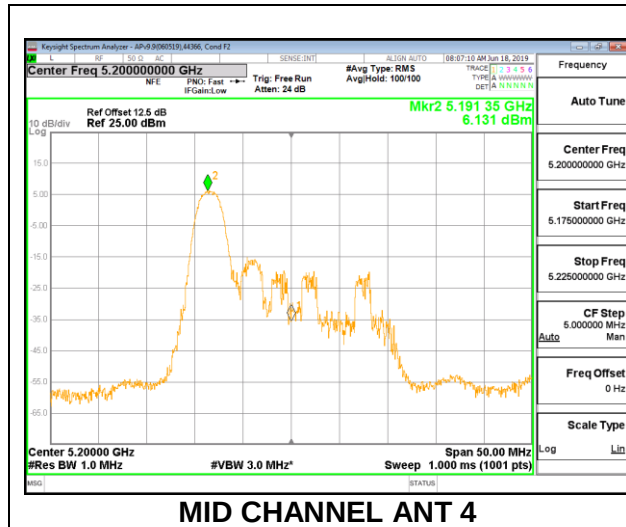
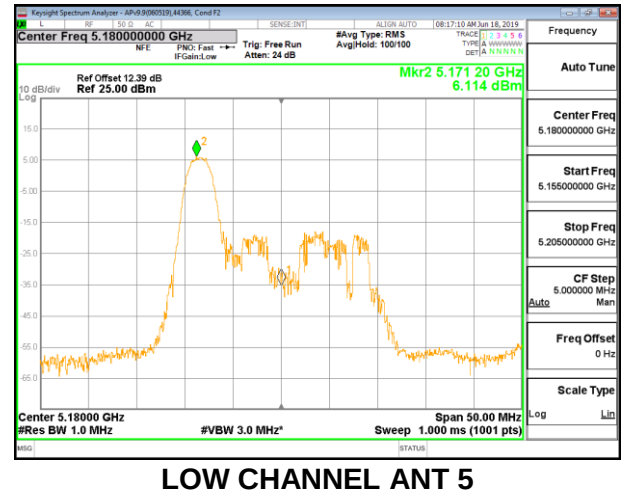
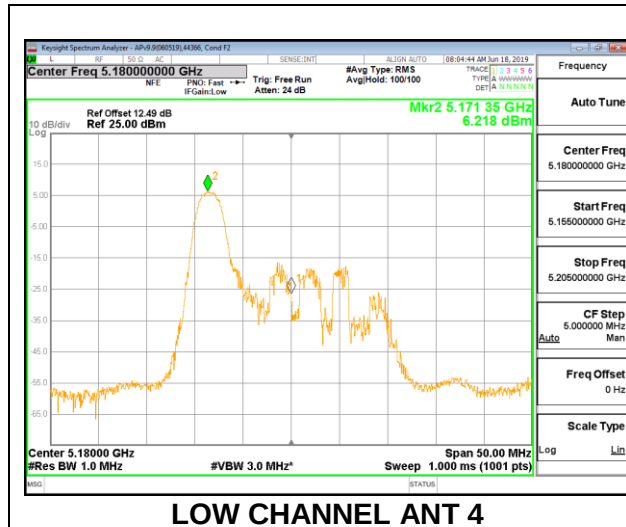
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

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	8.730	8.650	11.700	24.00	-12.30
Mid	5200	8.670	8.730	11.710	24.00	-12.29
High	5240	8.670	8.710	11.700	24.00	-12.30

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	6.218	6.114	9.177	11.00	-1.82
Mid	5200	6.131	6.271	9.212	11.00	-1.79
High	5240	6.189	6.126	9.168	11.00	-1.83



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

Channel	Frequency (MHz)	Min 26dB BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)
Low	5180	18.300	-2.89	-0.20
Mid	5200	18.500	-2.89	-0.20
High	5240	18.550	-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)	ISED eirp PSD Limit (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)
Low	5180	24.00	22.62	25.51	24.00	11.00	10.00	10.20
Mid	5200	24.00	22.67	25.56	24.00	11.00	10.00	10.20
High	5240	24.00	22.68	25.57	24.00	11.00	10.00	10.20

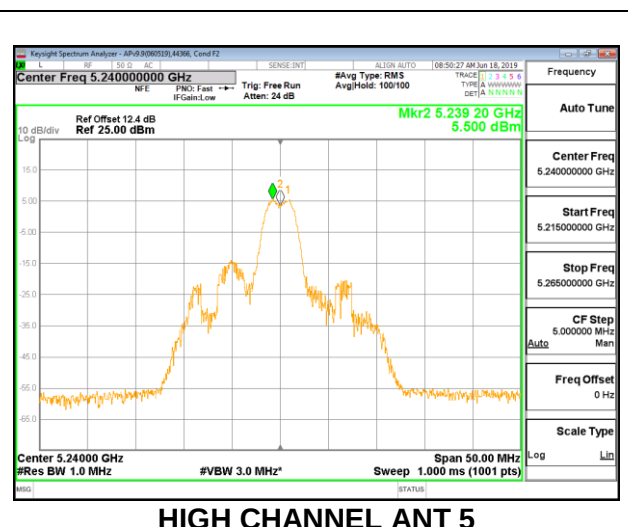
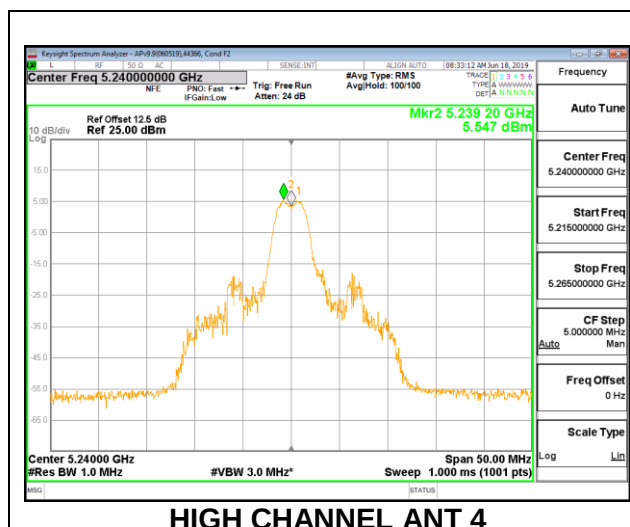
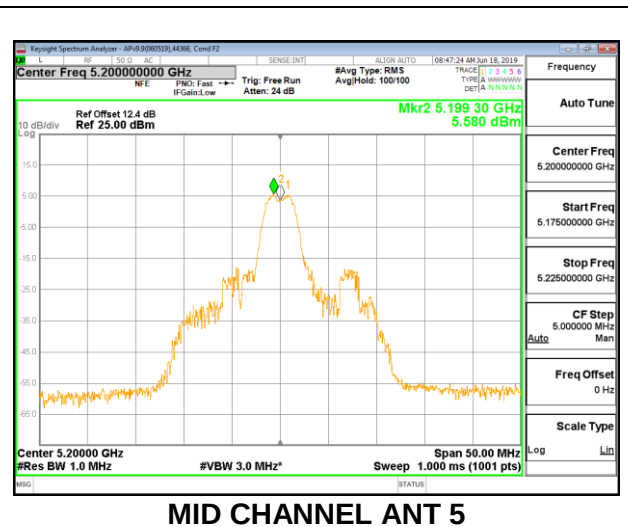
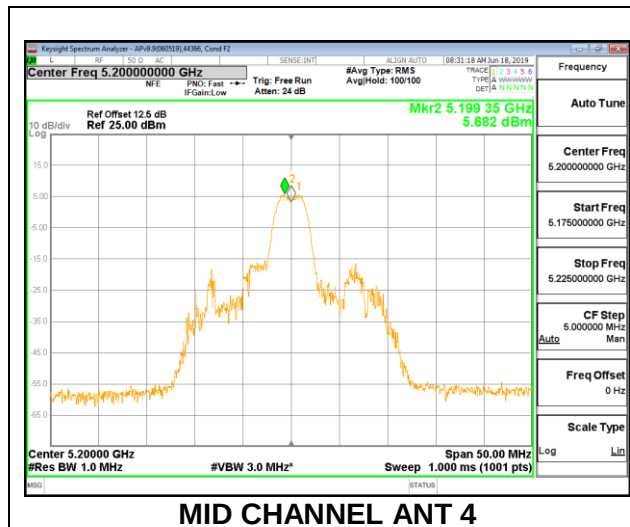
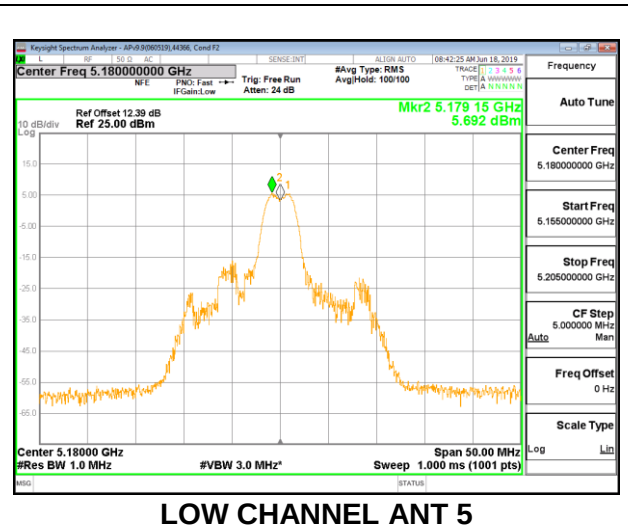
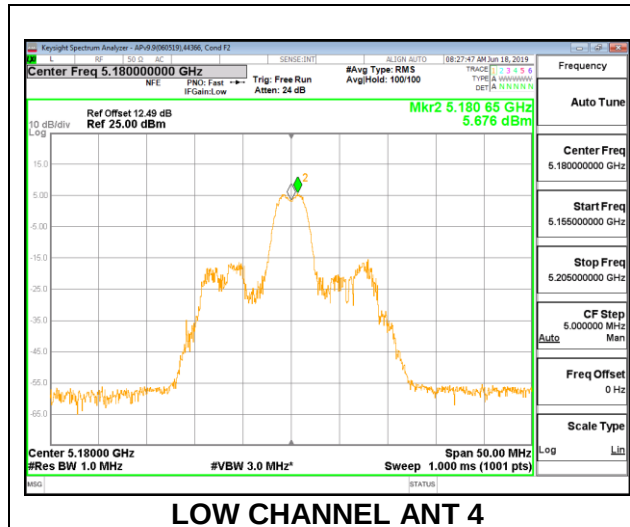
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

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	8.690	8.700	11.705	24.00	-12.29
Mid	5200	8.690	8.670	11.690	24.00	-12.31
High	5240	8.640	8.630	11.645	24.00	-12.35

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	5.676	5.692	8.694	10.20	-1.51
Mid	5200	5.682	5.580	8.642	10.20	-1.56
High	5240	5.547	5.500	8.534	10.20	-1.67



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

Channel	Frequency (MHz)	Min 26dB BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)
Low	5180	20.300	-2.89	-0.20
Mid	5200	20.100	-2.89	-0.20
High	5240	20.200	-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)	ISED eirp PSD Limit (dBm/ 1MHz)	PSD Limit (dBm/ 1MHz)
Low	5180	24.00	23.00	25.89	24.00	11.00	10.00	10.20
Mid	5200	24.00	23.00	25.89	24.00	11.00	10.00	10.20
High	5240	24.00	23.00	25.89	24.00	11.00	10.00	10.20

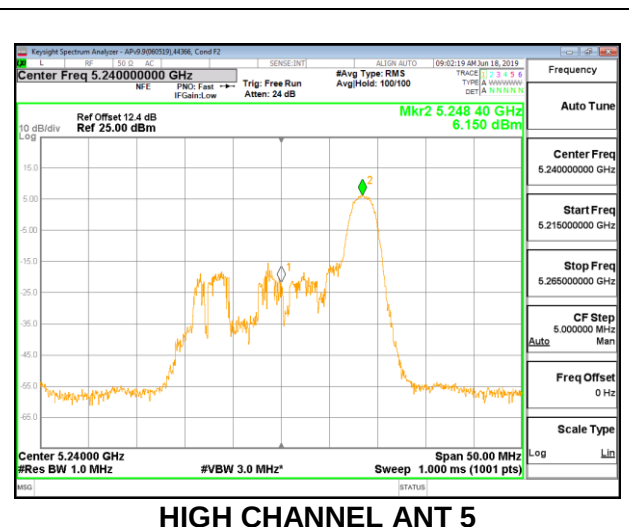
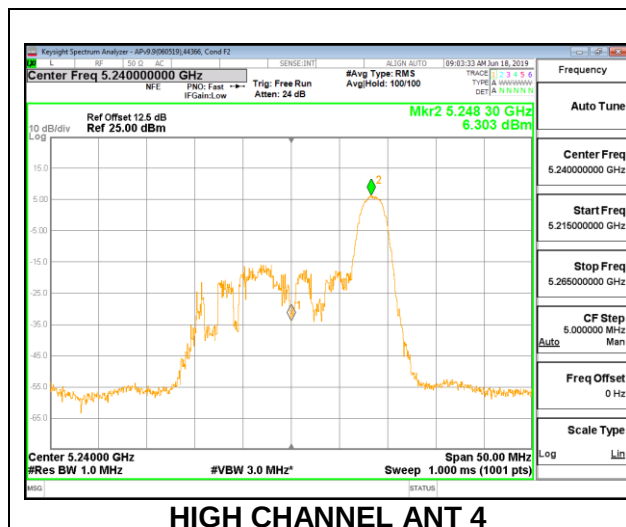
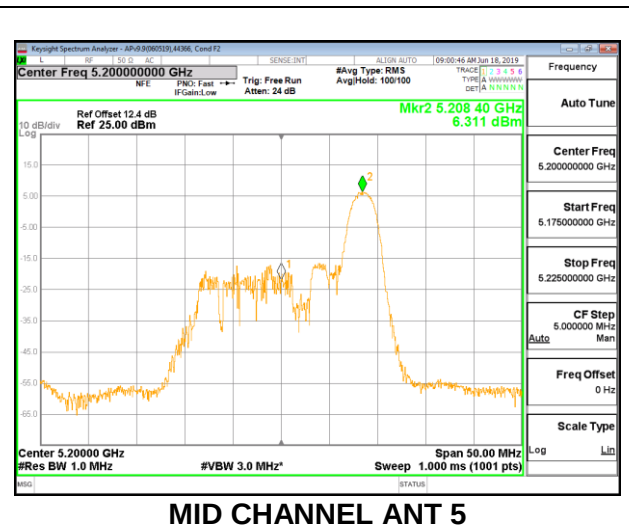
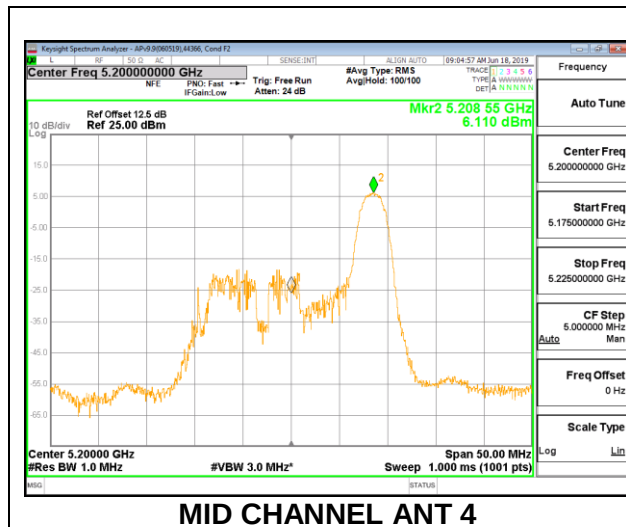
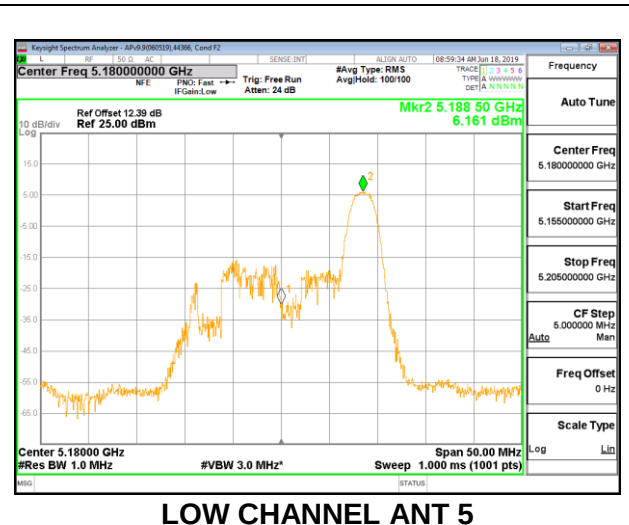
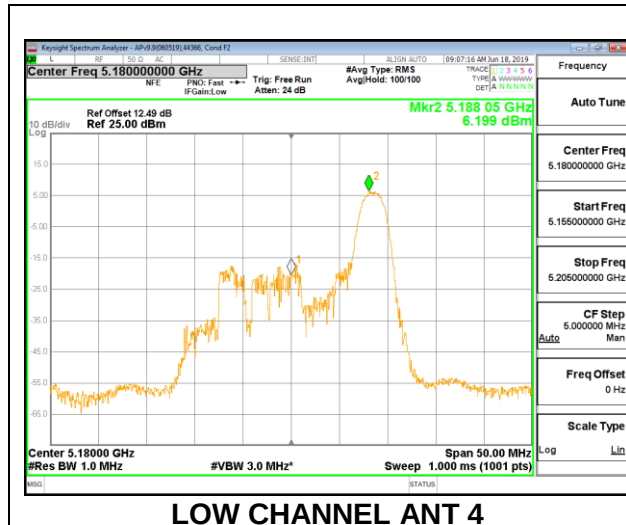
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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Output Power Results

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	8.670	8.670	11.680	24.00	-12.32
Mid	5200	8.640	8.690	11.675	24.00	-12.32
High	5240	8.690	8.650	11.680	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	6.199	6.161	9.190	10.20	-1.01
Mid	5200	6.110	6.311	9.222	10.20	-0.98
High	5240	6.303	6.150	9.237	10.20	-0.96



8.5.5. 802.11ax HE40 MODE IN THE 5.2 GHz BAND**1TX Antenna 4 MODE (FCC) MOBILE – 484 Tones, RU Index 65****Bandwidth and Antenna Gain**

Channel	Frequency (MHz)	Min 26dB BW (MHz)	Directional Gain (dBi)
Low	5190	40.600	-6.00
High	5230	41.900	-6.00

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	5190	24.00	23.00	29.00	24.00	11.00
High	5230	24.00	23.00	29.00	24.00	11.00

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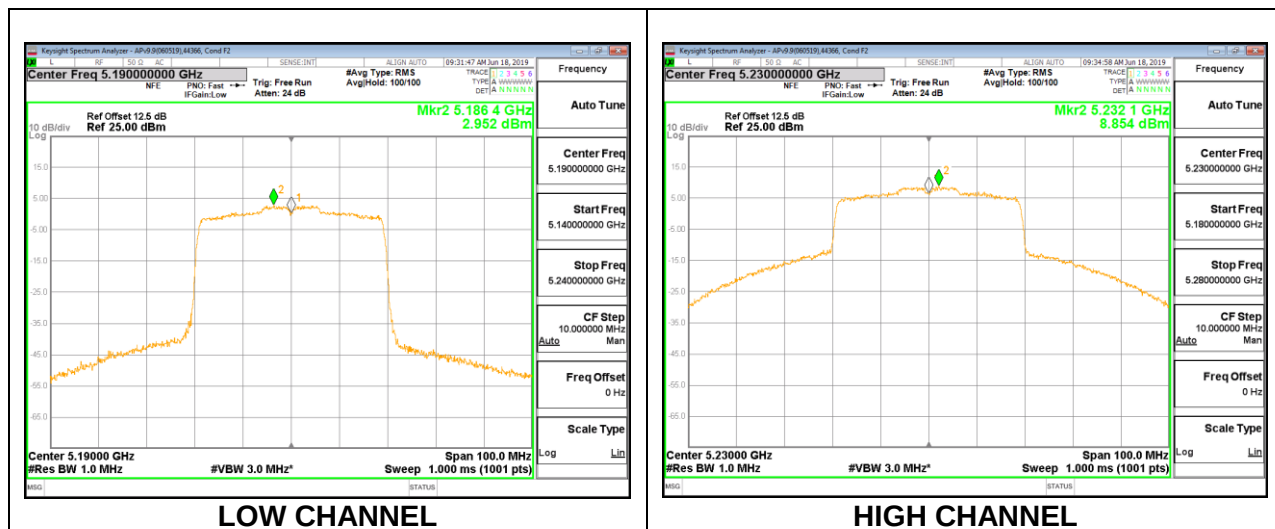
Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5190	15.720	15.720	24.00	-8.28
High	5230	21.130	21.130	24.00	-2.87

PSD Results

Channel	Frequency (MHz)	Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5190	2.952	2.952	11.00	-8.05
High	5230	8.854	8.854	11.00	-2.15

Note: High Ch. PSD tested at higher power.



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

Channel	Frequency (MHz)	Min 26dB BW (MHz)	Directional Gain (dBi)
Low	5190	21.900	-6.00
High	5230	21.600	-6.00

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	5190	24.00	23.00	29.00	24.00	11.00
High	5230	24.00	23.00	29.00	24.00	11.00

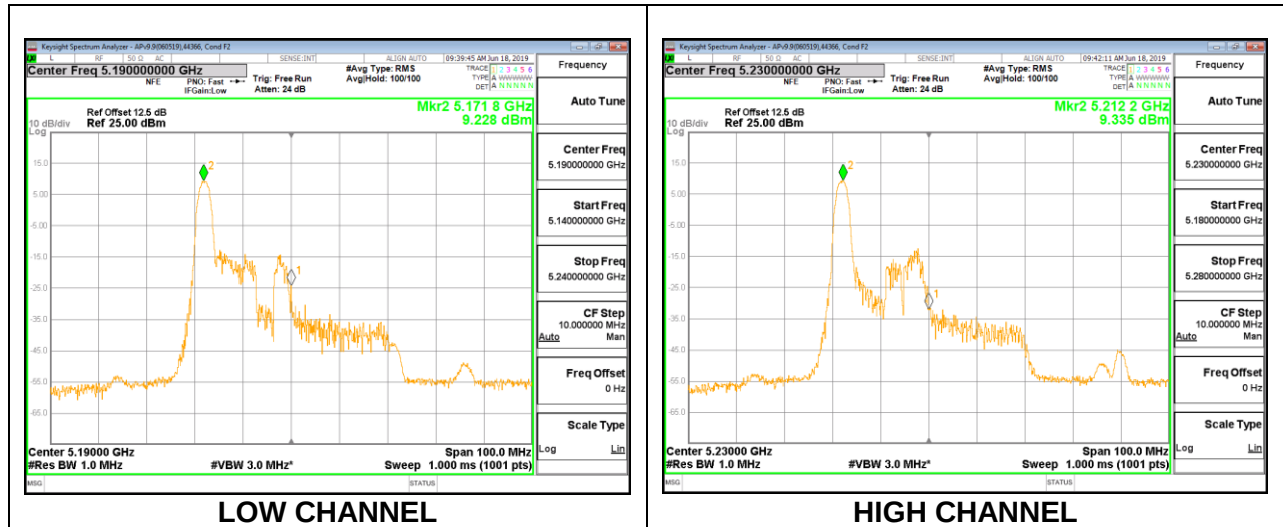
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd Power & PSD
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Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5190	11.690	11.690	24.00	-12.31
High	5230	11.710	11.710	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	5190	9.228	9.228	11.00	-1.77
High	5230	9.335	9.335	11.00	-1.67



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

Channel	Frequency (MHz)	Min 26dB BW (MHz)	Directional Gain (dBi)
Low	5190	25.500	-6.00
High	5230	24.100	-6.00

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	5190	24.00	23.00	29.00	24.00	11.00
High	5230	24.00	23.00	29.00	24.00	11.00

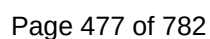
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd Power & PSD
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Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5190	11.690	11.690	24.00	-12.31
High	5230	11.690	11.690	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	9.240	9.240	11.00	-1.76
High	5230	9.280	9.280	11.00	-1.72



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

Channel	Frequency (MHz)	Min 26dB BW (MHz)	Directional Gain (dBi)
Low	5190	22.200	-6.00
High	5230	21.900	-6.00

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	5190	24.00	23.00	29.00	24.00	11.00
High	5230	24.00	23.00	29.00	24.00	11.00

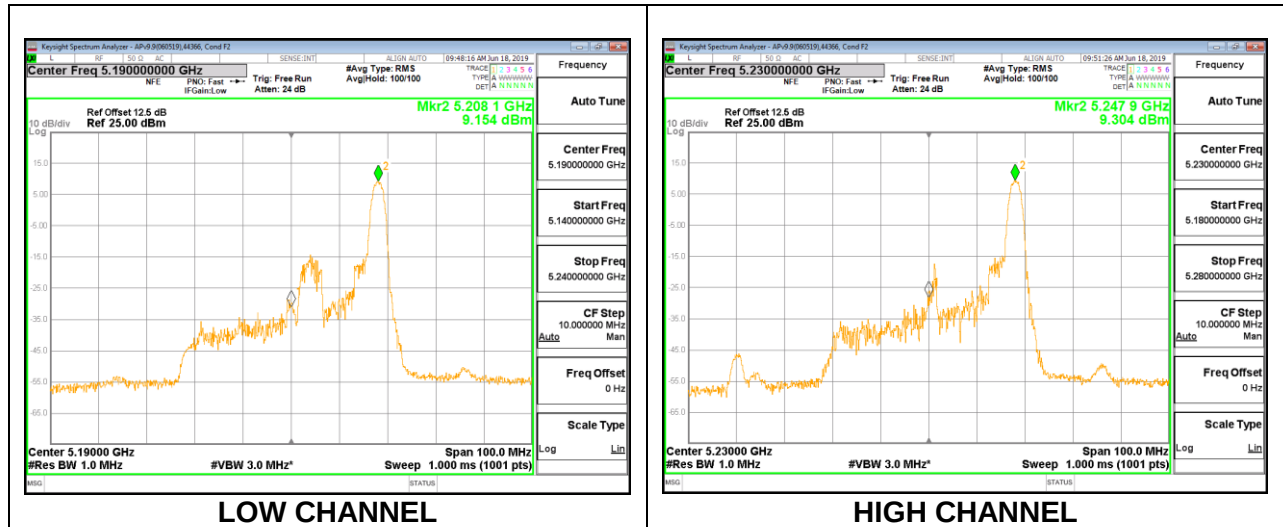
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd Power & PSD
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Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5190	11.670	11.670	24.00	-12.33
High	5230	11.700	11.700	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	9.154	9.154	11.00	-1.85
High	5230	9.304	9.304	11.00	-1.70



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

Channel	Frequency (MHz)	Min 26dB BW (MHz)	Directional Gain (dBi)
Low	5190	40.700	-1.10
High	5230	41.900	-1.10

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	5190	24.00	23.00	24.10	24.00	11.00
High	5230	24.00	23.00	24.10	24.00	11.00

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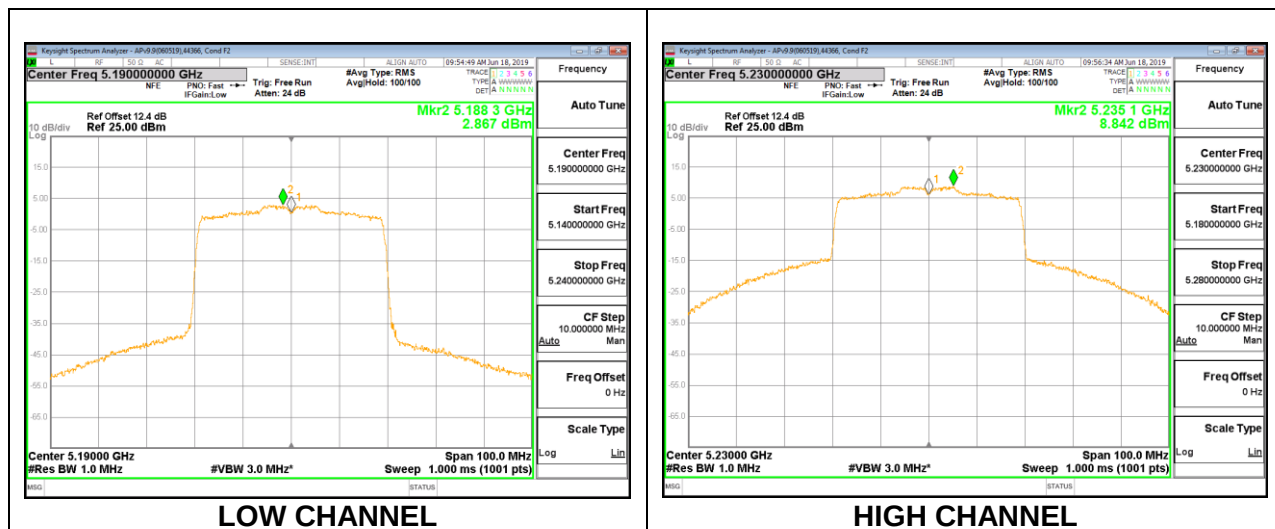
Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5190	15.710	15.710	24.00	-8.29
High	5230	21.200	21.200	24.00	-2.80

PSD Results

Channel	Frequency (MHz)	Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5190	2.867	2.867	11.00	-8.13
High	5230	8.842	8.842	11.00	-2.16

Note: High Ch. PSD tested at higher power.



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	5190	21.600	-1.10
High	5230	20.700	-1.10

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	5190	24.00	23.00	24.10	24.00	11.00
High	5230	24.00	23.00	24.10	24.00	11.00

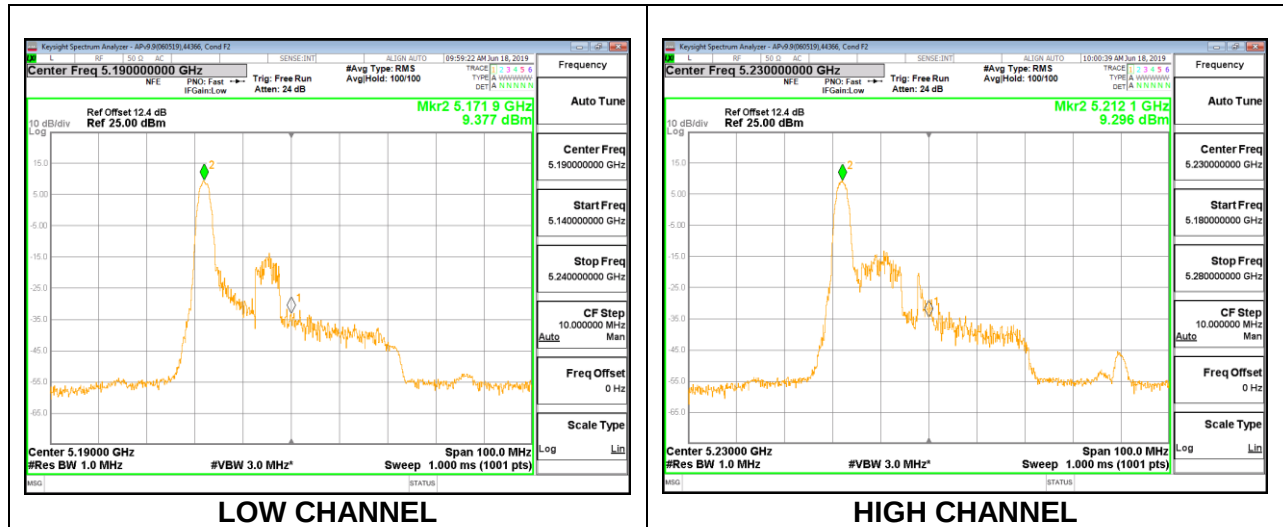
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd Power & PSD
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Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5190	11.700	11.700	24.00	-12.30
High	5230	11.670	11.670	24.00	-12.33

PSD Results

Channel	Frequency (MHz)	Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5190	9.377	9.377	11.00	-1.62
High	5230	9.296	9.296	11.00	-1.70



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

Channel	Frequency (MHz)	Min 26dB BW (MHz)	Directional Gain (dBi)
Low	5190	25.300	-1.10
High	5230	26.300	-1.10

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	5190	24.00	23.00	24.10	24.00	11.00
High	5230	24.00	23.00	24.10	24.00	11.00

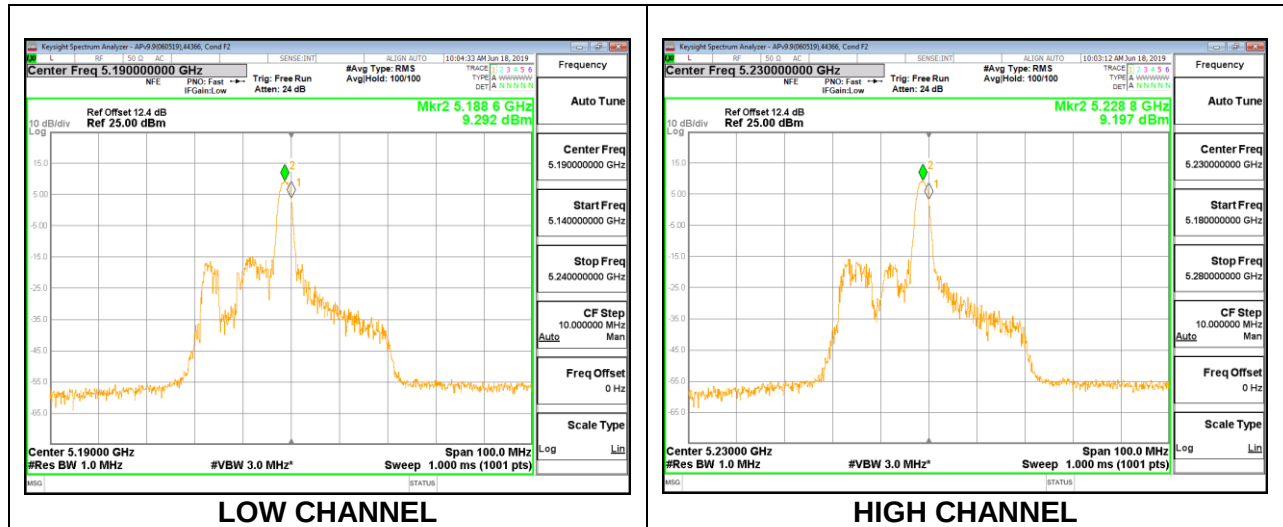
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd Power & PSD
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Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5190	11.690	11.690	24.00	-12.31
High	5230	11.670	11.670	24.00	-12.33

PSD Results

Channel	Frequency (MHz)	Meas PSD (dBm/1MHz)	Total Corr'd PSD (dBm/1MHz)	PSD Limit (dBm/ 1MHz)	PSD Margin (dB)
Low	5190	9.292	9.292	11.00	-1.71
High	5230	9.197	9.197	11.00	-1.80



1TX Antenna 5 MODE (FCC) MOBILE – 26 Tones, RU Index 17**Bandwidth and Antenna Gain**

Channel	Frequency (MHz)	Min 26dB BW (MHz)	Directional Gain (dBi)
Low	5190	21.400	-1.10
High	5230	21.600	-1.10

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	5190	24.00	23.00	24.10	24.00	11.00
High	5230	24.00	23.00	24.10	24.00	11.00

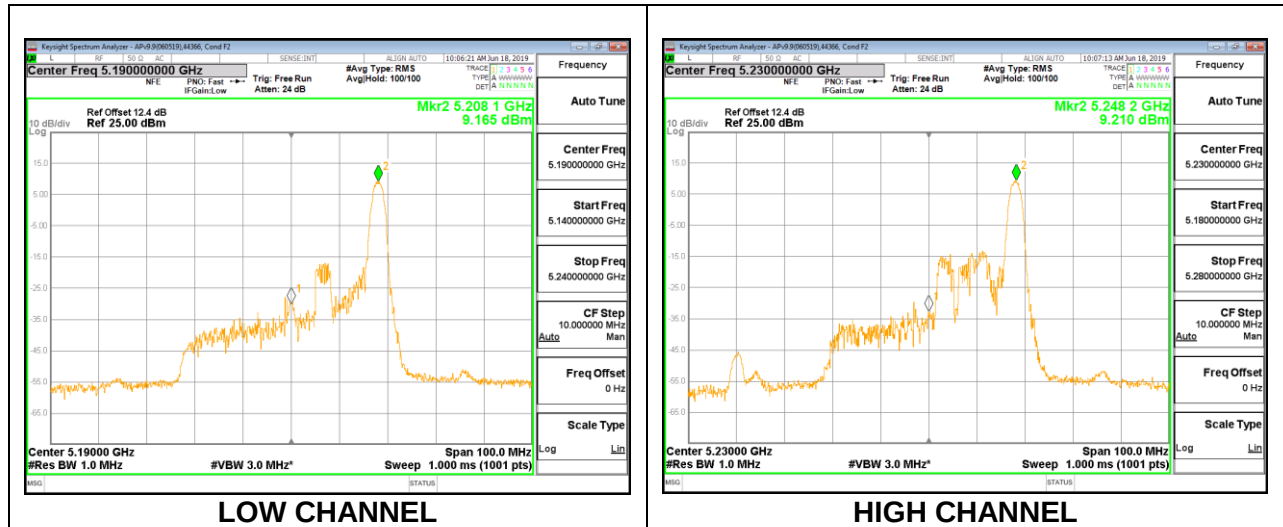
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd Power & PSD
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Output Power Results

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5190	11.670	11.670	24.00	-12.33
High	5230	11.690	11.690	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	9.165	9.165	11.00	-1.84
High	5230	9.210	9.210	11.00	-1.79



2TX Antenna 4 + Antenna 5 OFDMA MODE (FCC) MOBILE – 484 Tones, RU Index 65**Bandwidth and Antenna Gain**

Channel	Frequency (MHz)	Min 26dB BW (MHz)	Directional Gain for Power (dBi)	Directional Gain for PSD (dBi)
Low	5190	40.700	-2.89	-0.20
High	5230	40.700	-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)
Low	5190	24.00	23.00	25.89	24.00	11.00
High	5230	24.00	23.00	25.89	24.00	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)	Ant 4 Meas Power (dBm)	Ant 5 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Power Margin (dB)
Low	5190	15.230	15.170	18.210	24.00	-5.79
High	5230	19.670	19.690	22.690	24.00	-1.31

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	2.407	2.301	5.365	11.00	-5.64
High	5230	6.655	6.700	9.688	11.00	-1.31