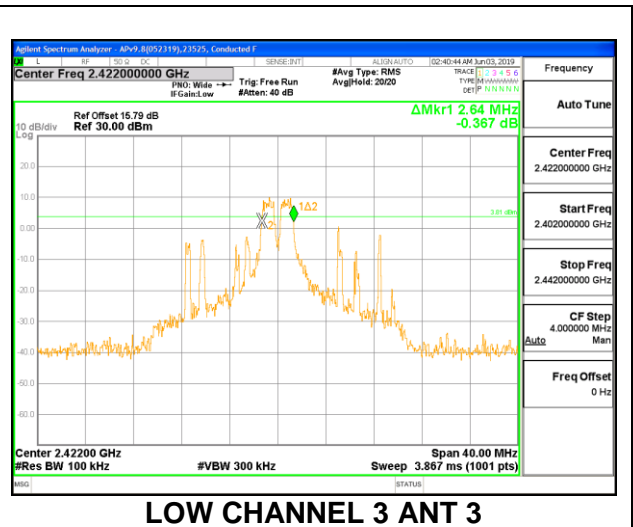
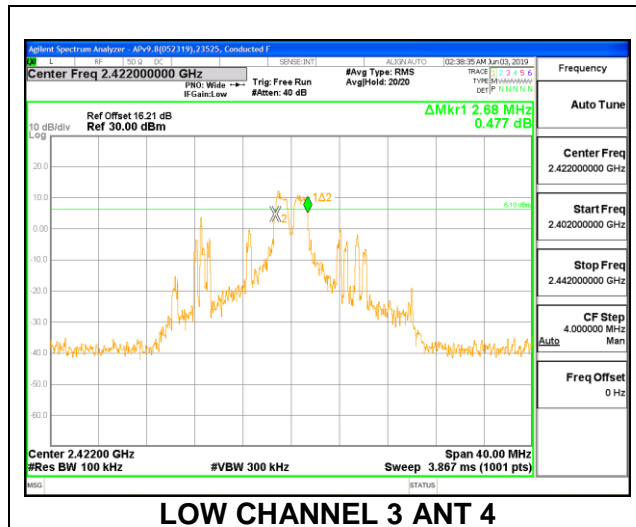
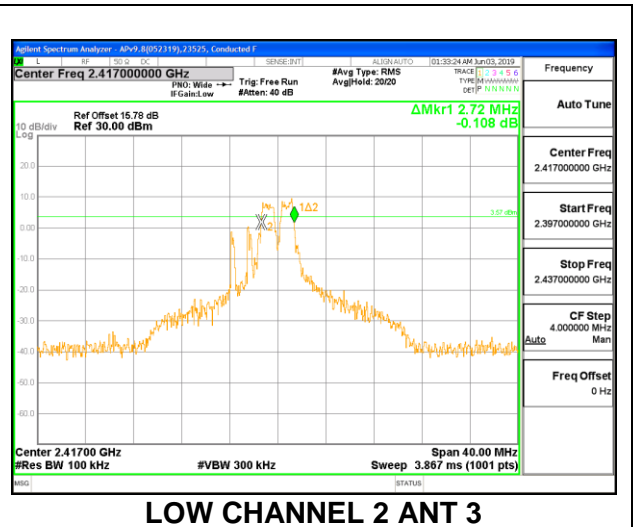
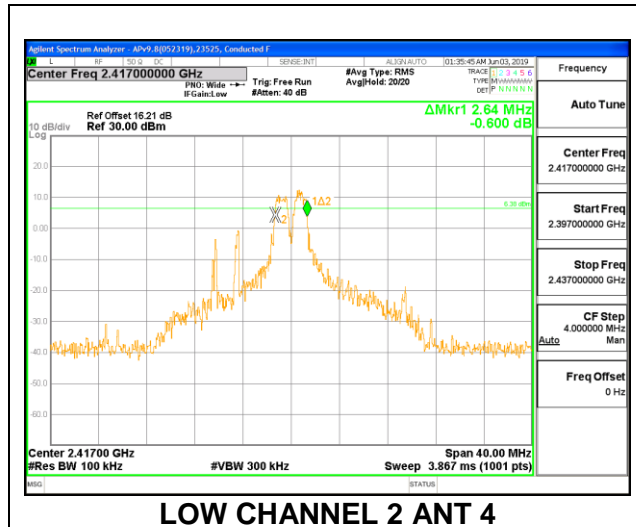
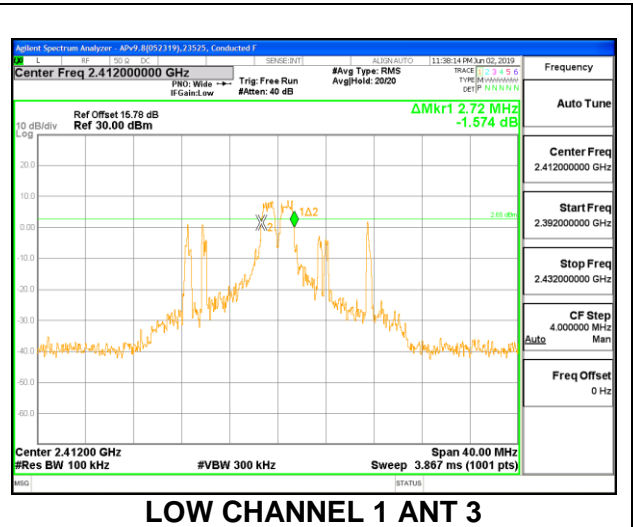
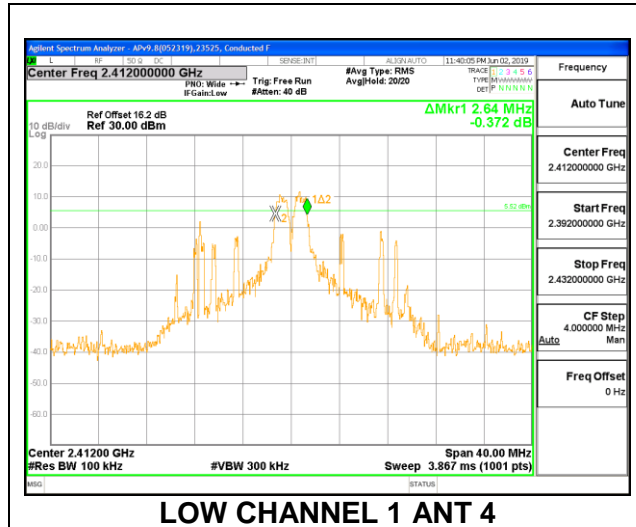
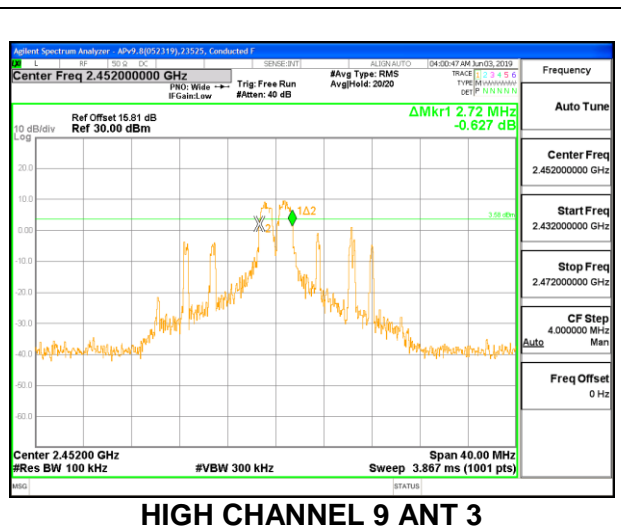
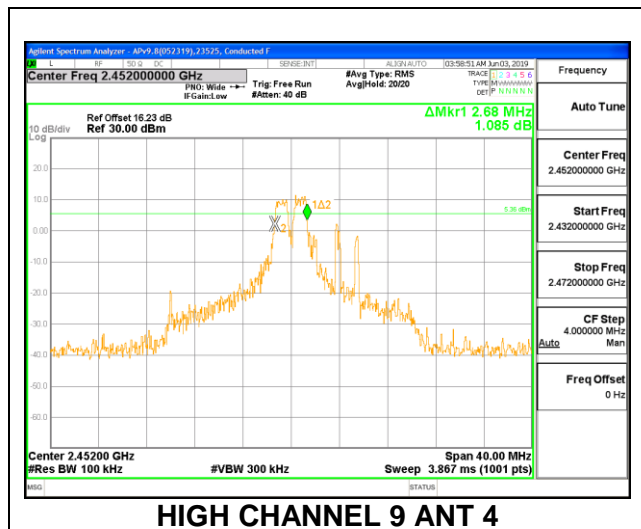
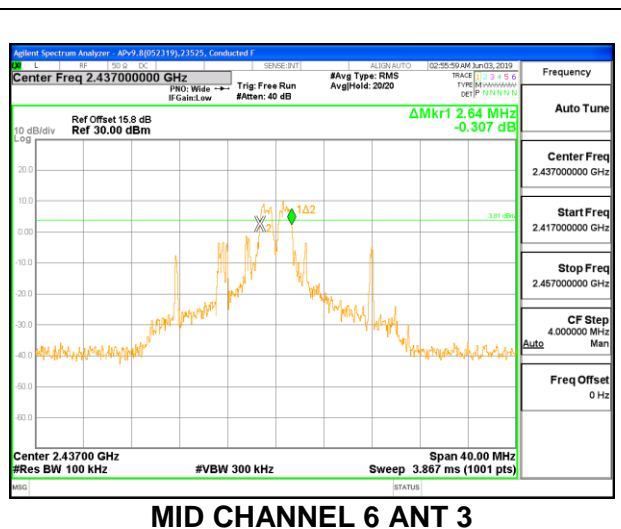
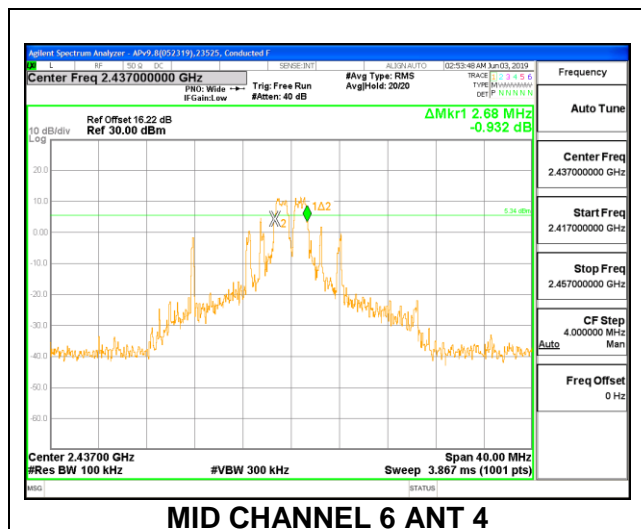
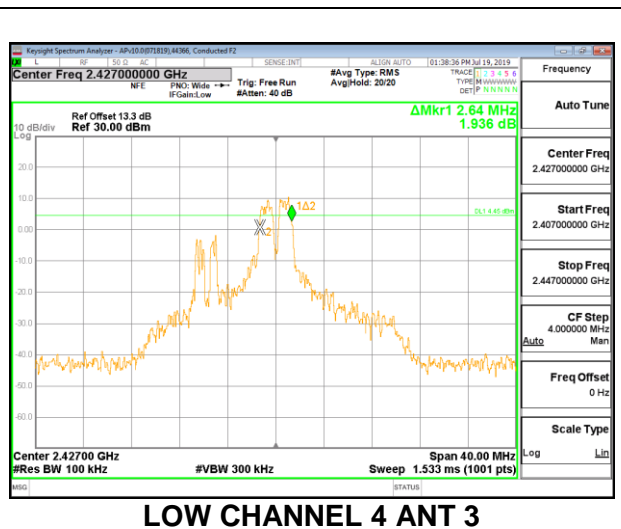
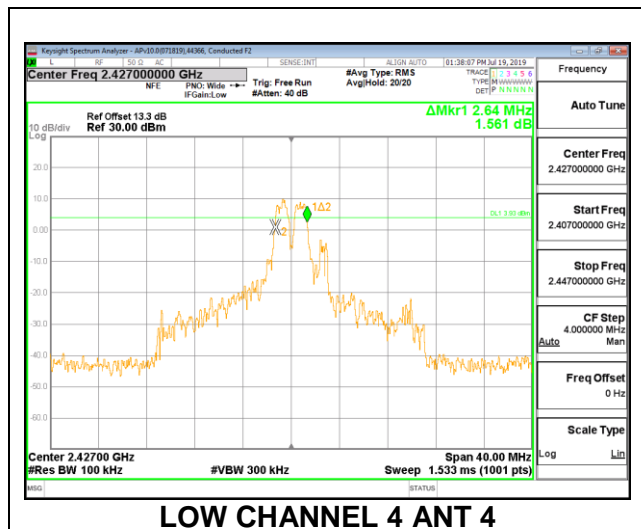
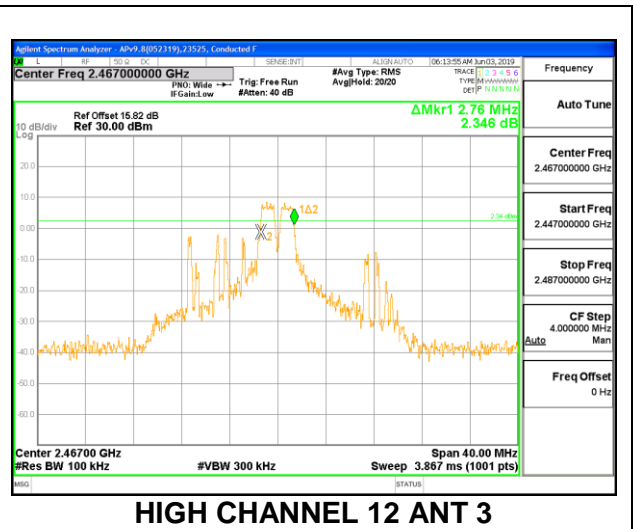
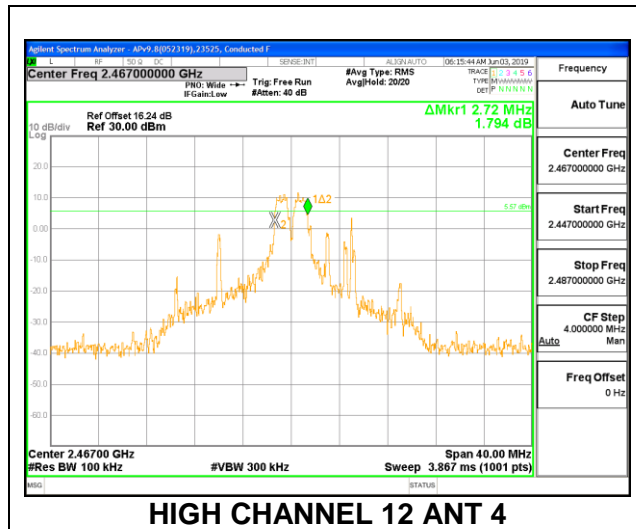
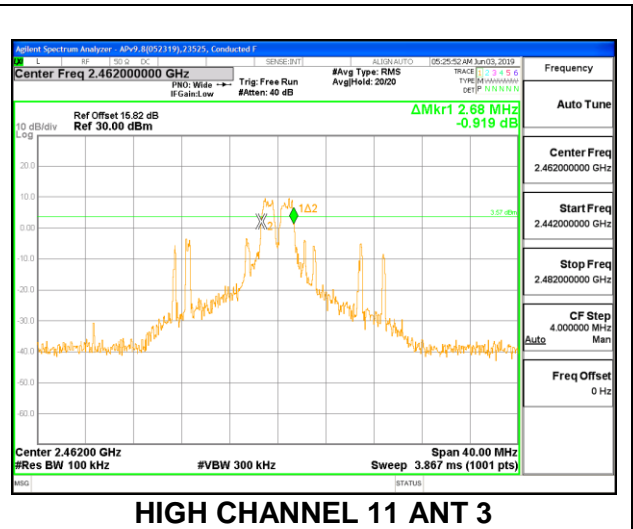
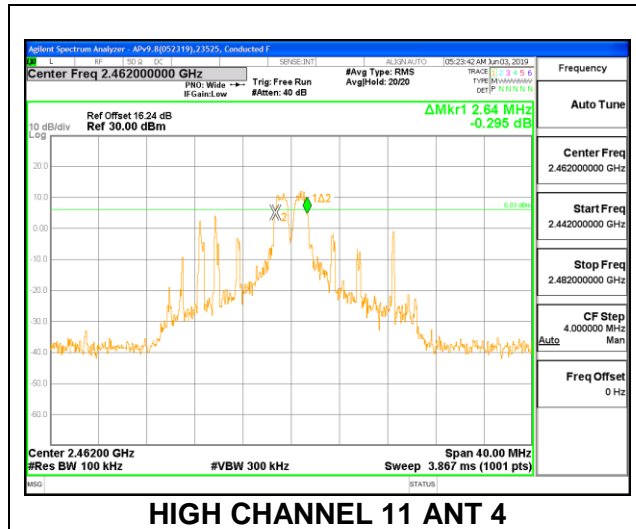
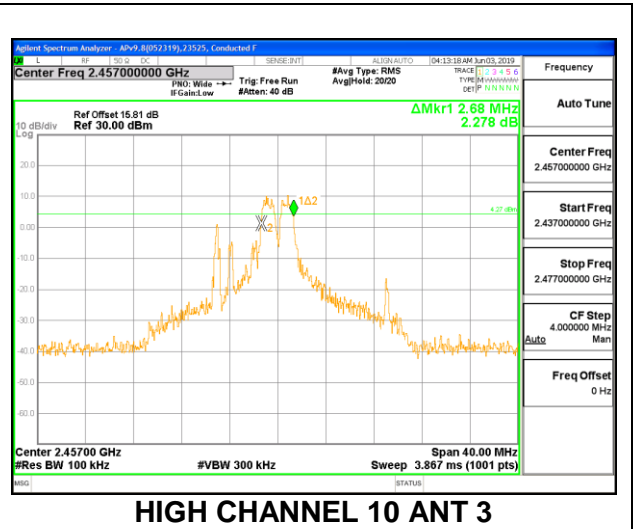
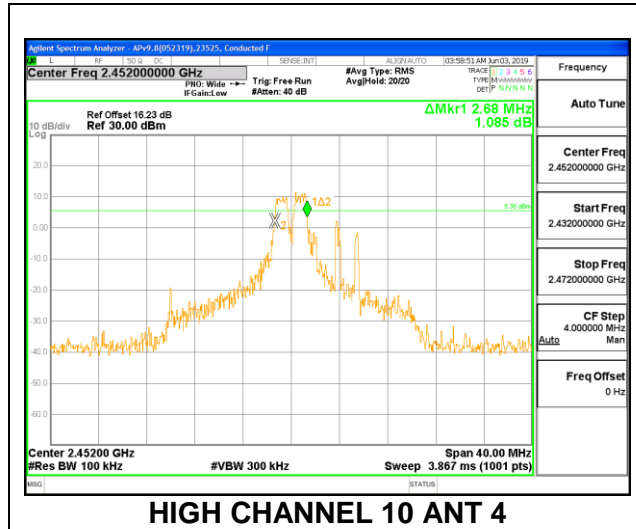


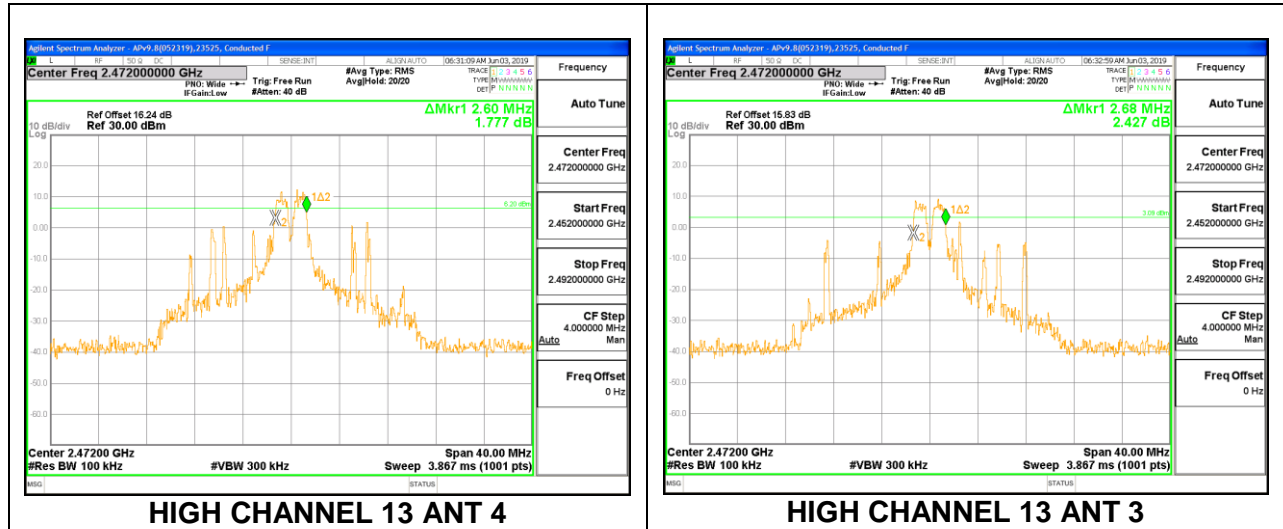
Antenna 4 + Antenna 3 2TX MODE: 26-Tones, RU Index 4

Channel	Frequency (MHz)	6dB Bandwidth Ant 4 (MHz)	6dB Bandwidth Ant 3 (MHz)	Minimum Limit (MHz)
Low 1	2412	2.64	2.72	0.5
Low 2	2417	2.64	2.72	0.5
Low 3	2422	2.68	2.64	0.5
Low 4	2427	2.64	2.64	0.5
Mid 6	2437	2.68	2.64	0.5
High 9	2452	2.68	2.72	0.5
High 10	2457	2.68	2.68	0.5
High 11	2462	2.64	2.68	0.5
High 12	2467	2.72	2.76	0.5
High 13	2472	2.60	2.68	0.5



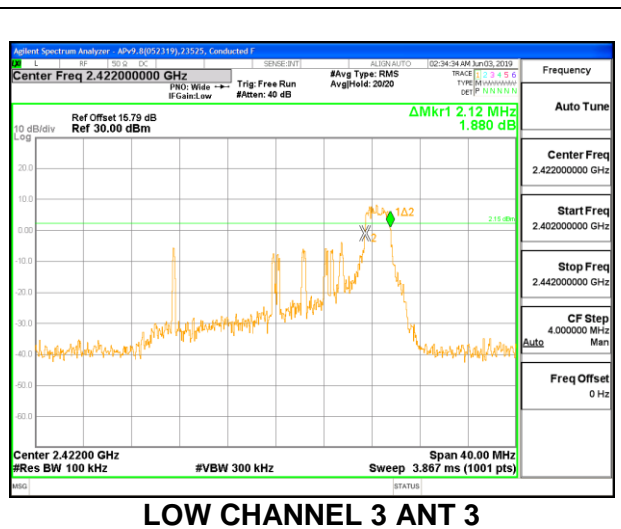
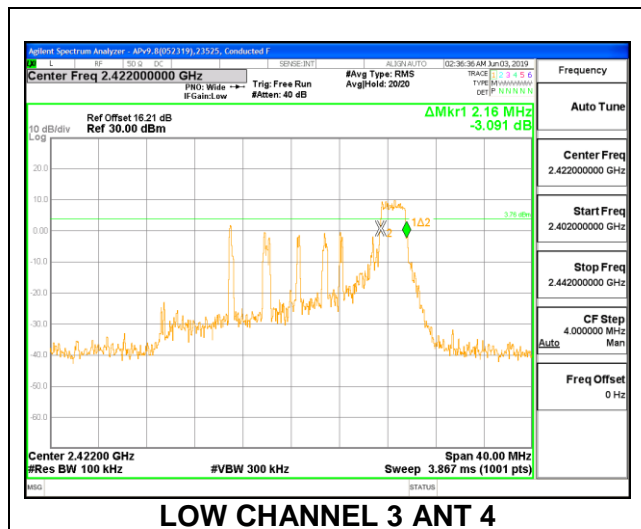
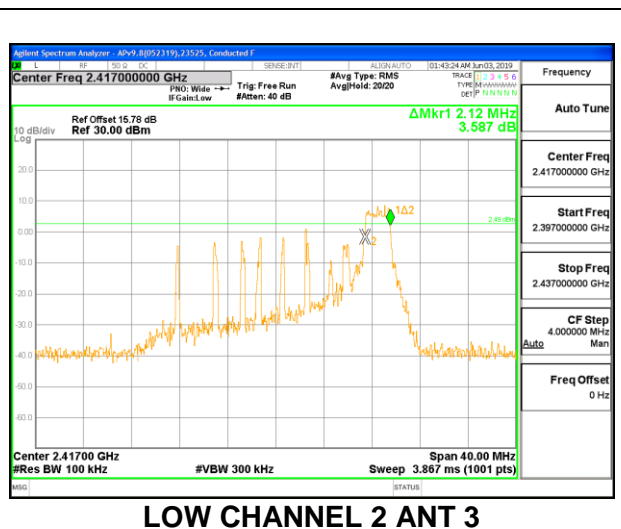
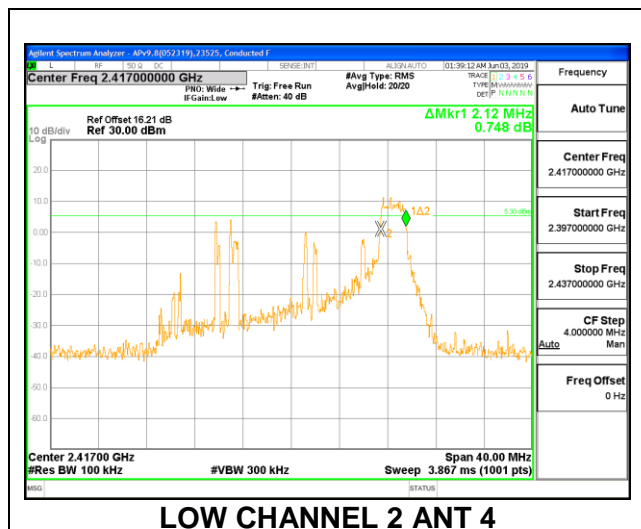
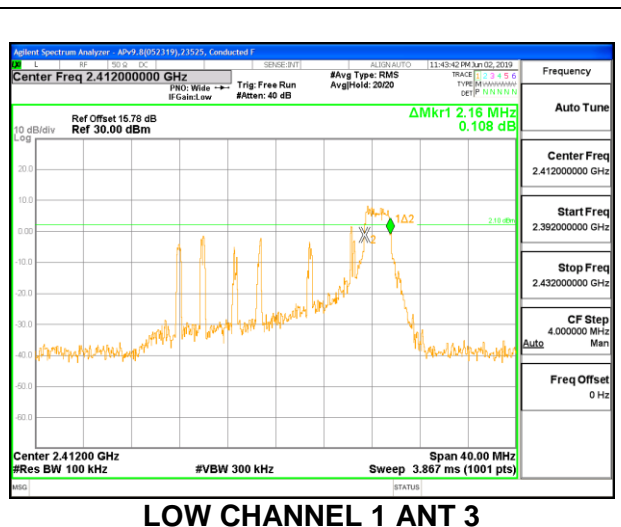
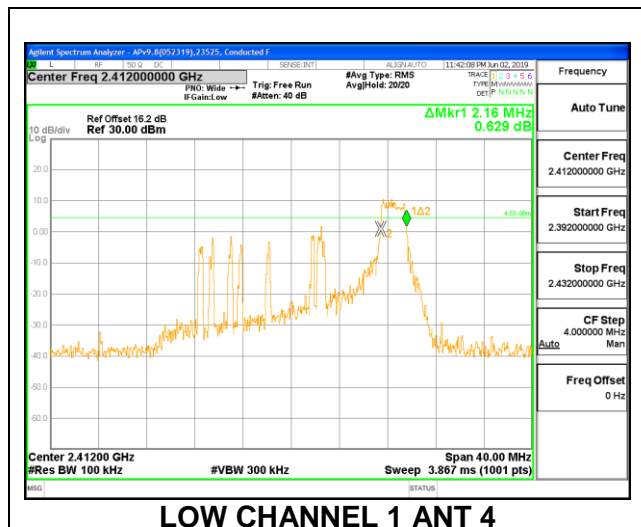


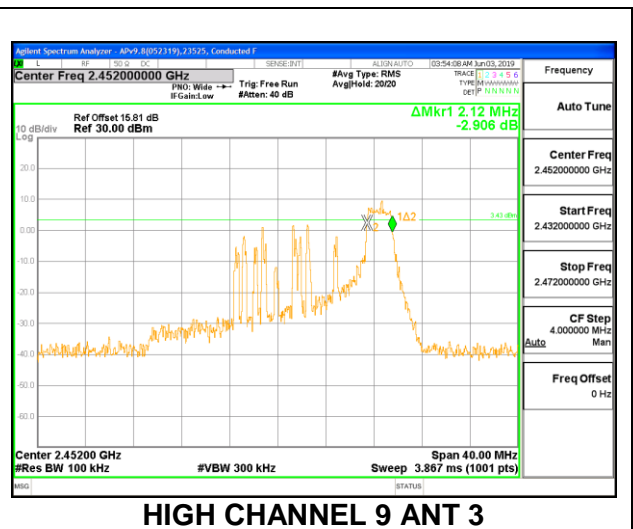
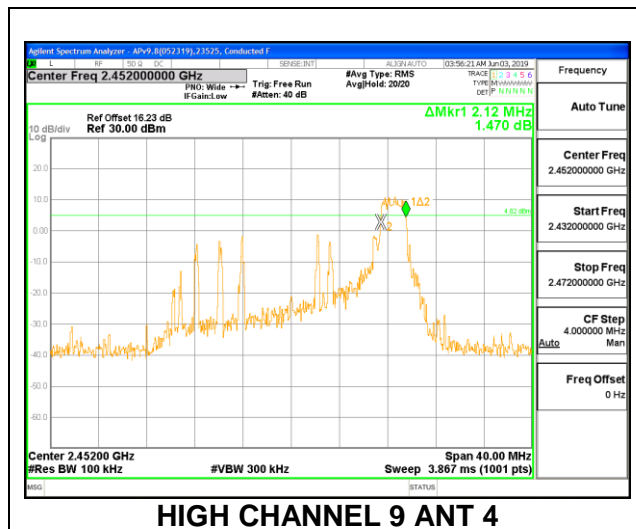
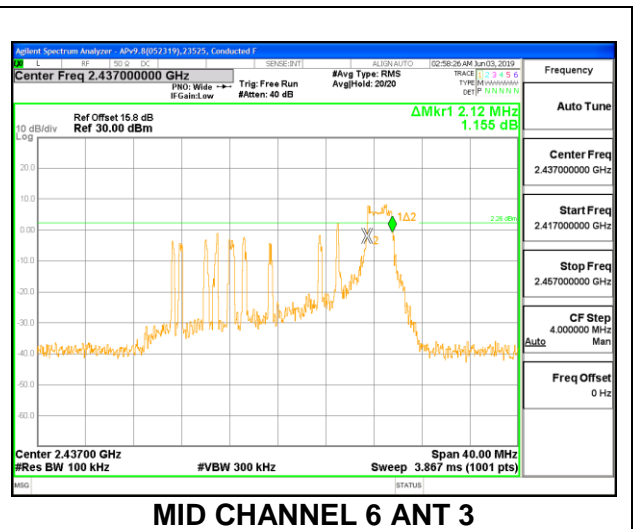
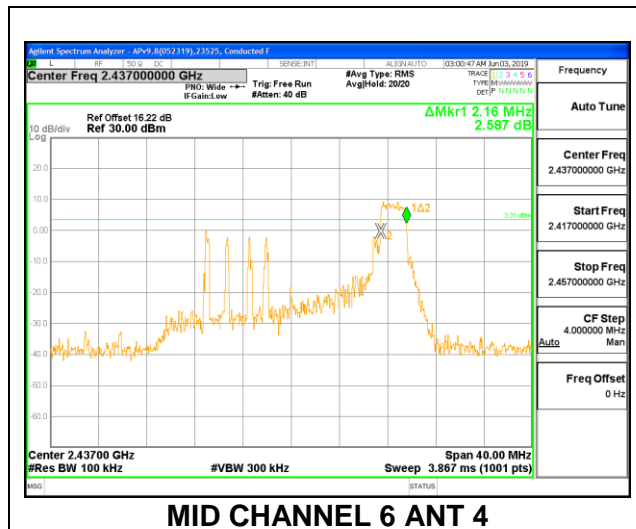
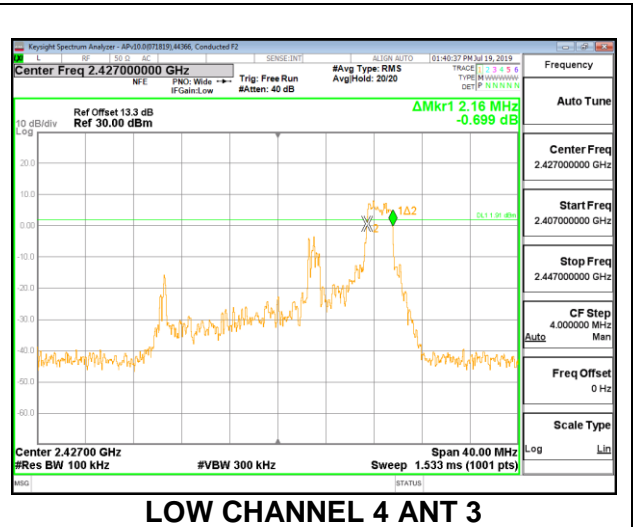
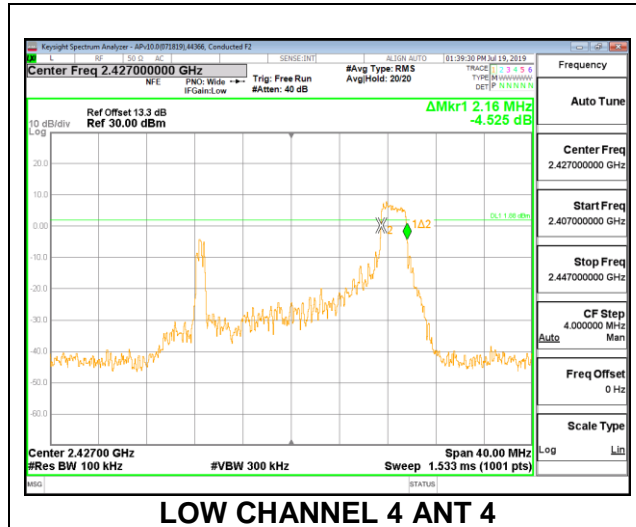


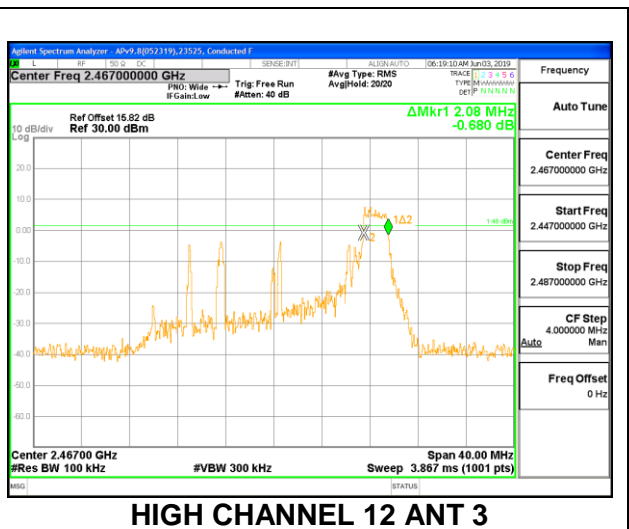
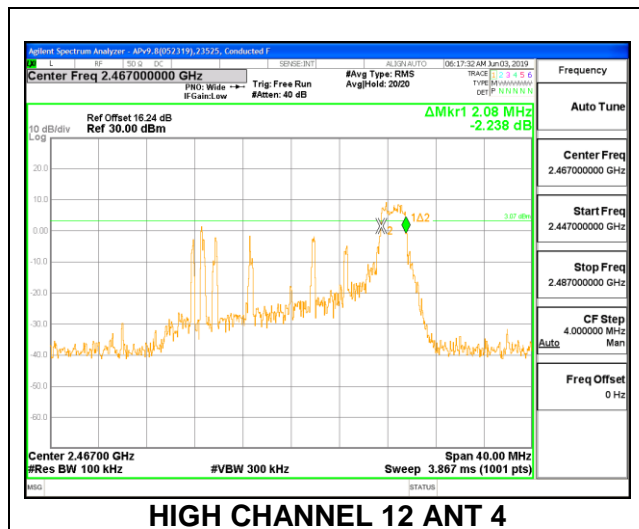
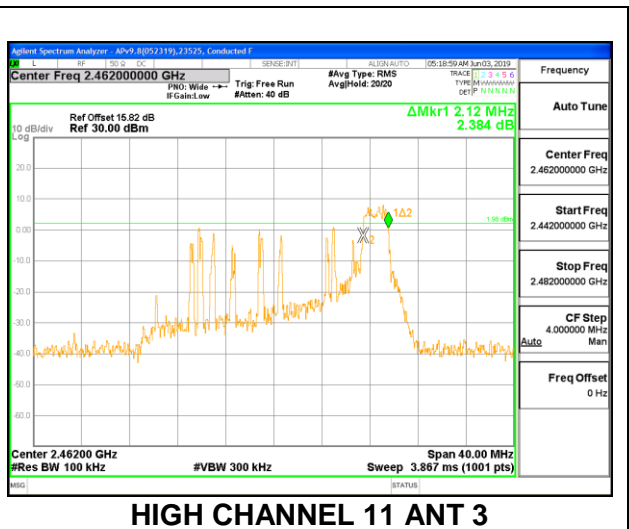
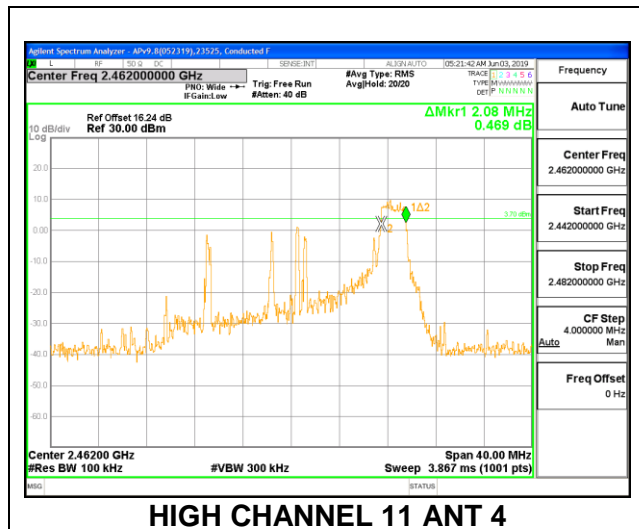
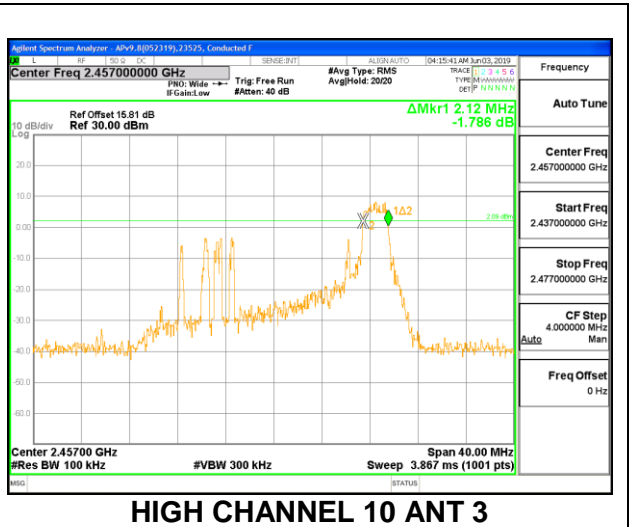
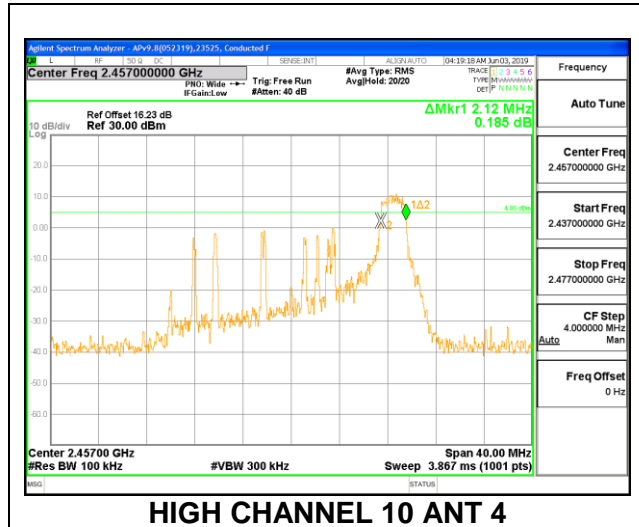


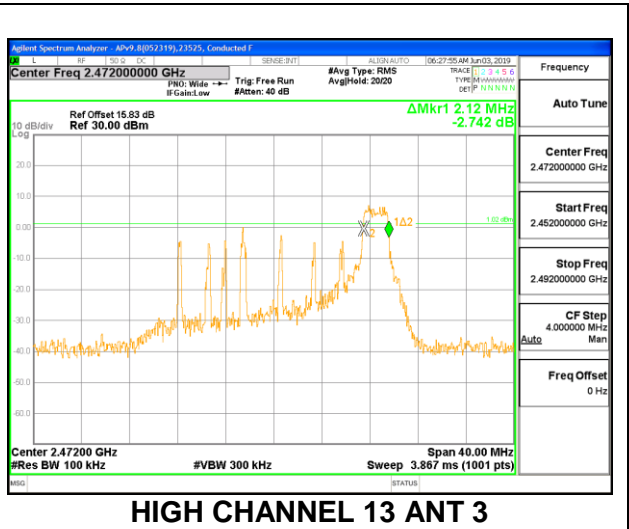
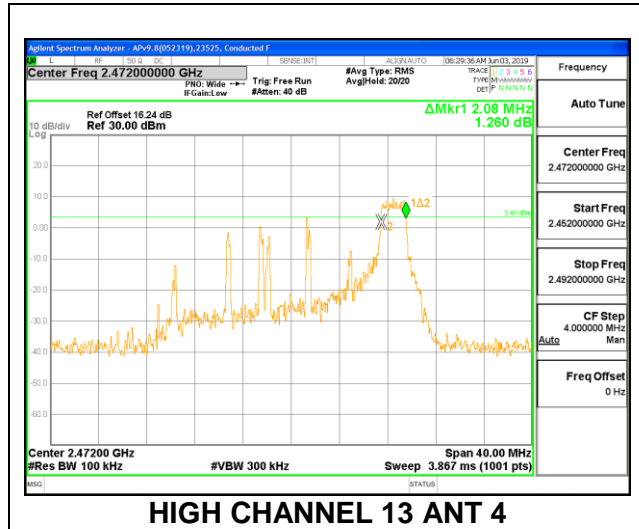
Antenna 4 + Antenna 3 2TX MODE: 26-Tones, RU Index 8

Channel	Frequency (MHz)	6dB Bandwidth Ant 4 (MHz)	6dB Bandwidth Ant 3 (MHz)	Minimum Limit (MHz)
Low 1	2412	2.16	2.16	0.5
Low 2	2417	2.12	2.12	0.5
Low 3	2422	2.16	2.12	0.5
Low 4	2427	2.16	2.16	0.5
Mid 6	2437	2.16	2.12	0.5
High 9	2452	2.12	2.12	0.5
High 10	2457	2.12	2.12	0.5
High 11	2462	2.08	2.12	0.5
High 12	2467	2.08	2.08	0.5
High 13	2472	2.08	2.12	0.5



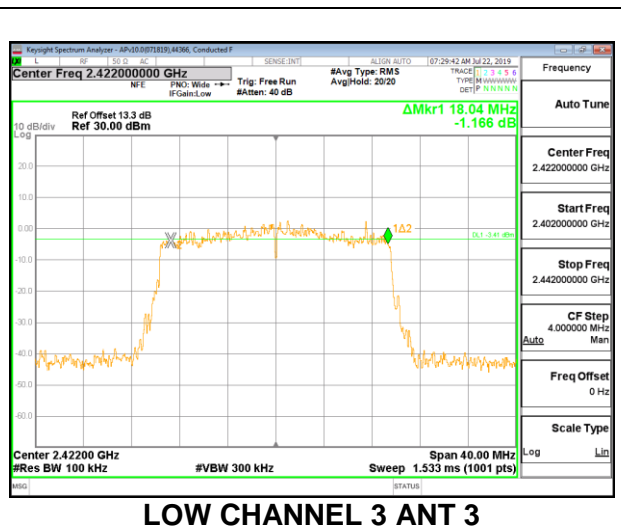
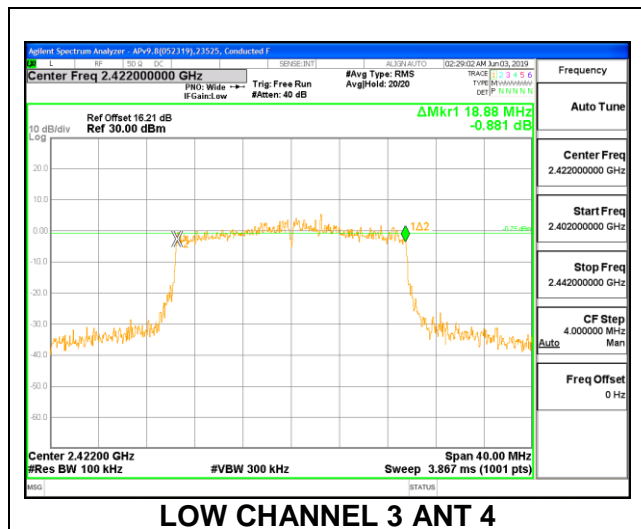
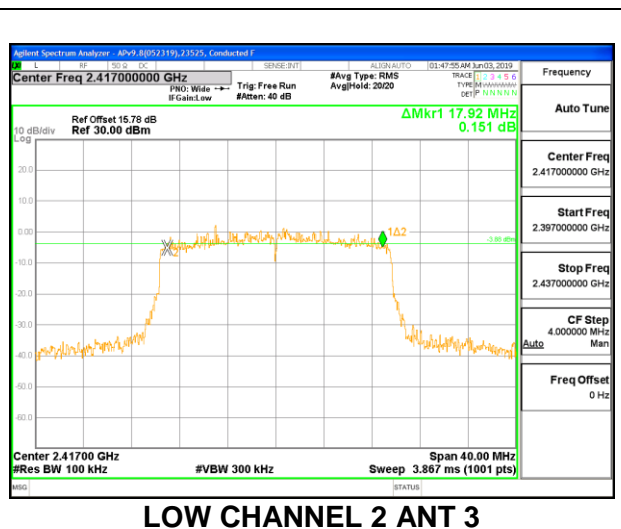
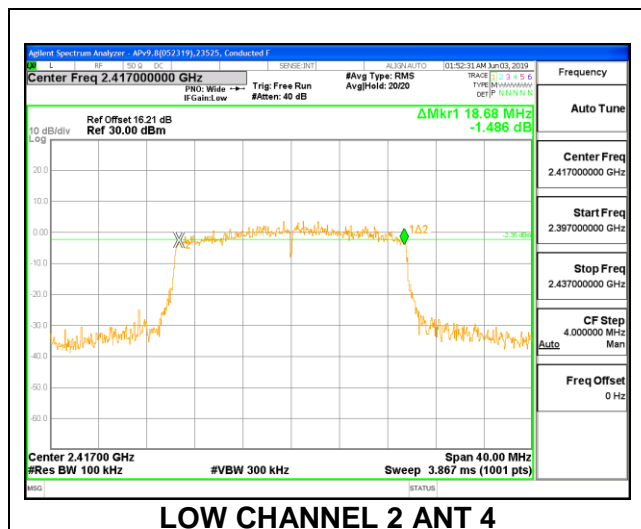
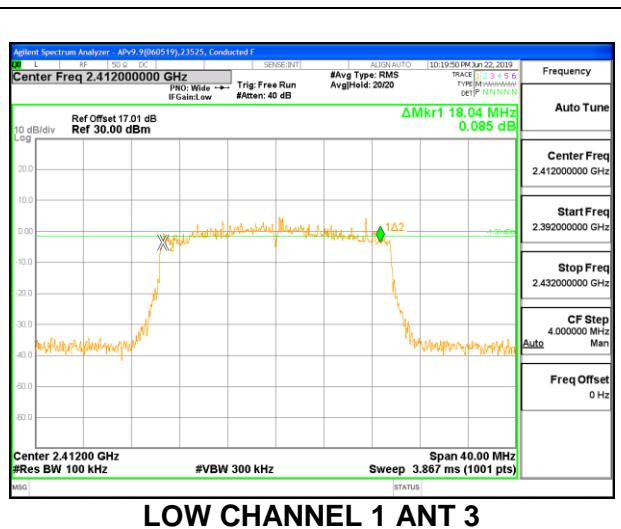
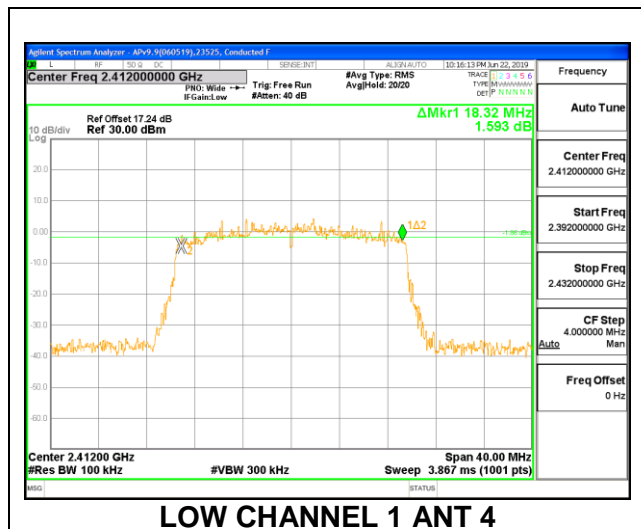


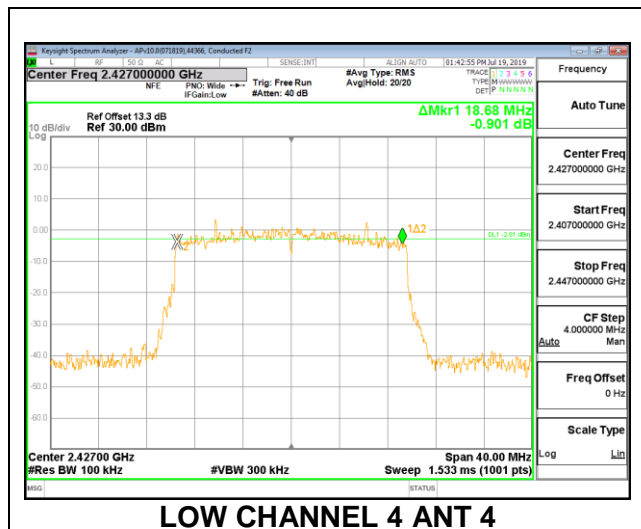




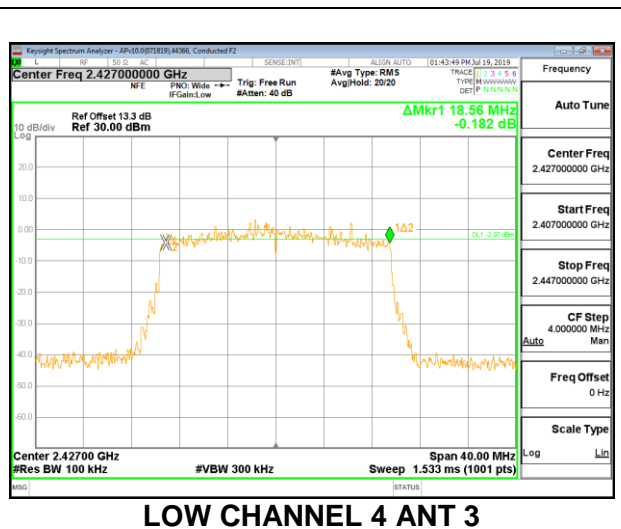
Antenna 4 + Antenna 3 2TX MODE: 242-Tones, RU Index 61

Channel	Frequency (MHz)	6dB Bandwidth Ant 4 (MHz)	6dB Bandwidth Ant 3 (MHz)	Minimum Limit (MHz)
Low 1	2412	18.32	18.04	0.5
Low 2	2417	18.68	17.92	0.5
Low 3	2422	18.88	18.04	0.5
Low 4	2427	18.68	18.56	0.5
Mid 6	2437	18.28	18.96	0.5
High 9	2452	18.84	18.88	0.5
High 10	2457	18.76	18.56	0.5
High 11	2462	18.48	18.92	0.5
High 12	2467	18.52	18.60	0.5
High 13	2472	18.08	18.04	0.5

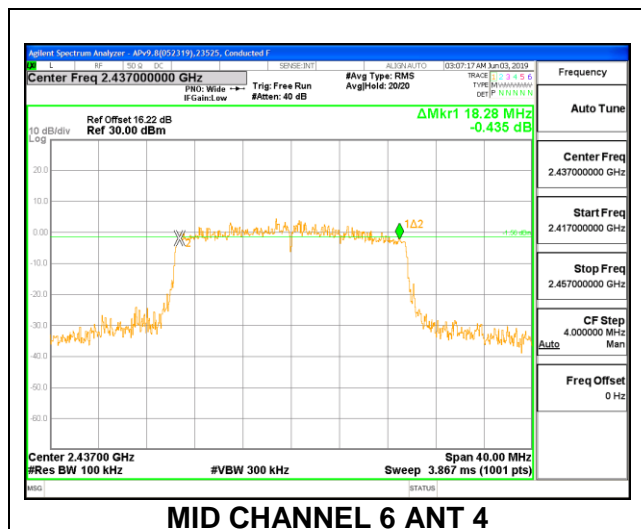




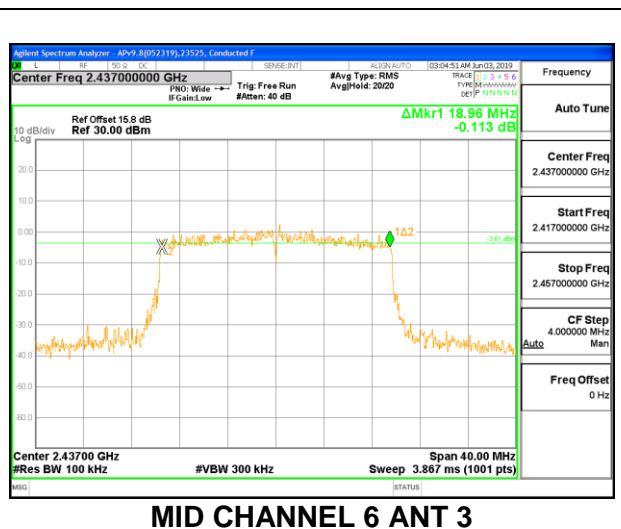
LOW CHANNEL 4 ANT 4



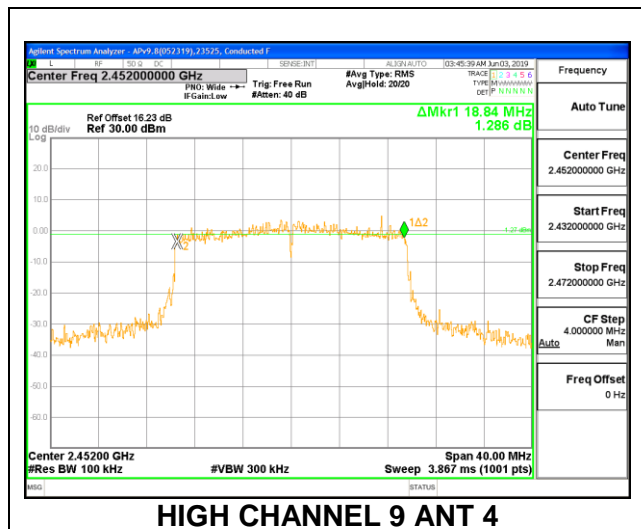
LOW CHANNEL 4 ANT 3



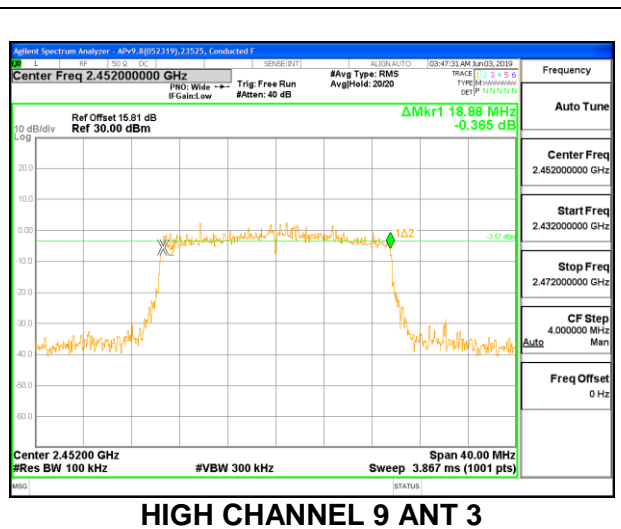
MID CHANNEL 6 ANT 4



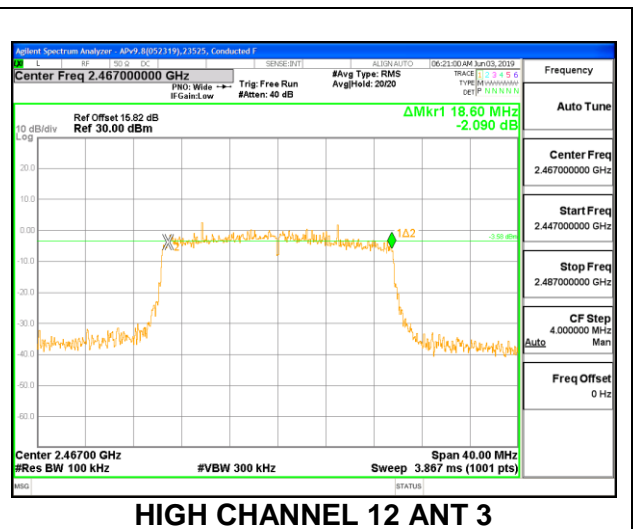
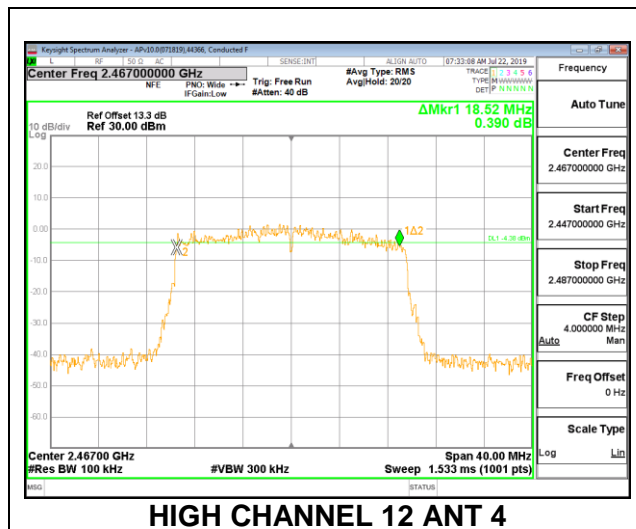
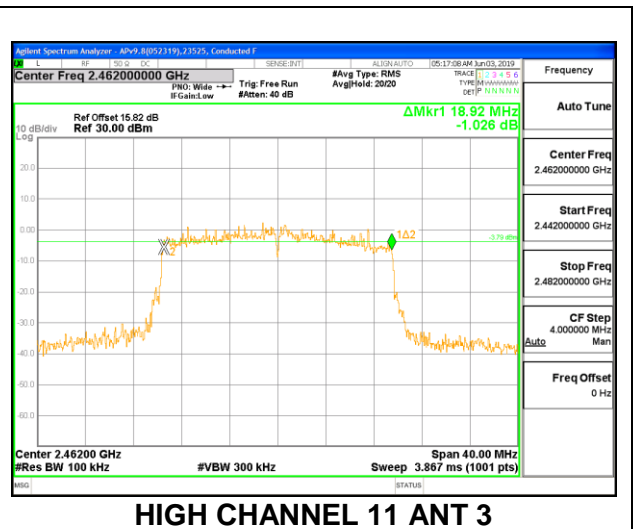
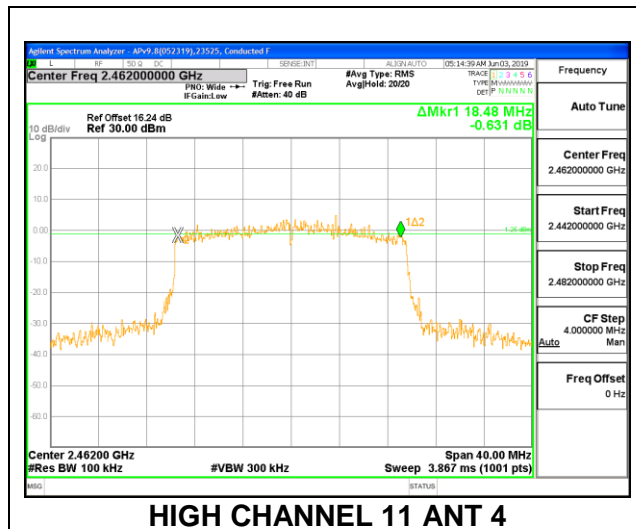
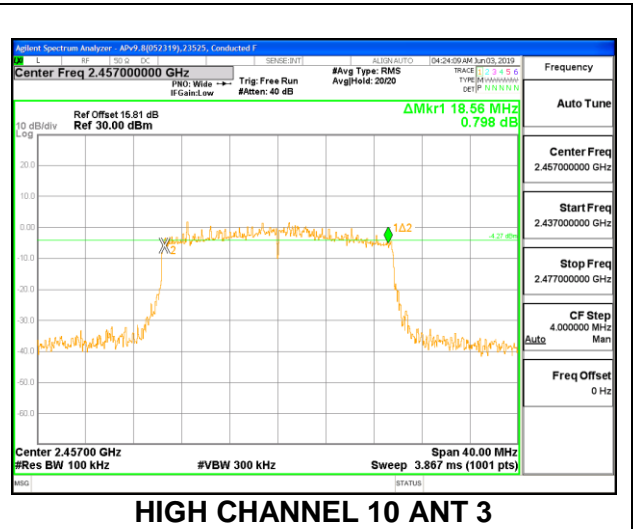
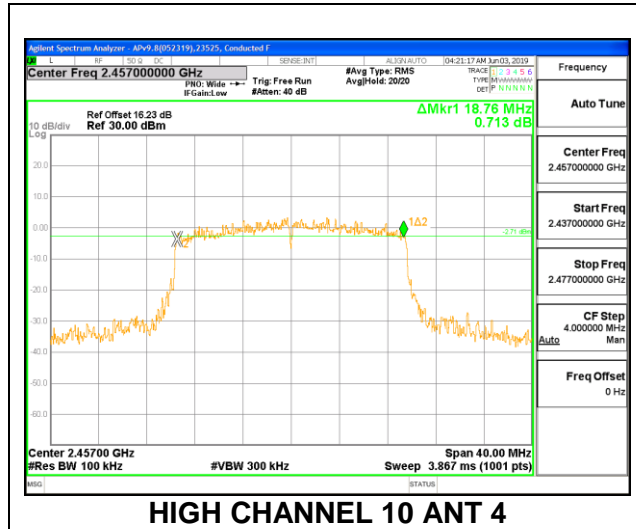
MID CHANNEL 6 ANT 3

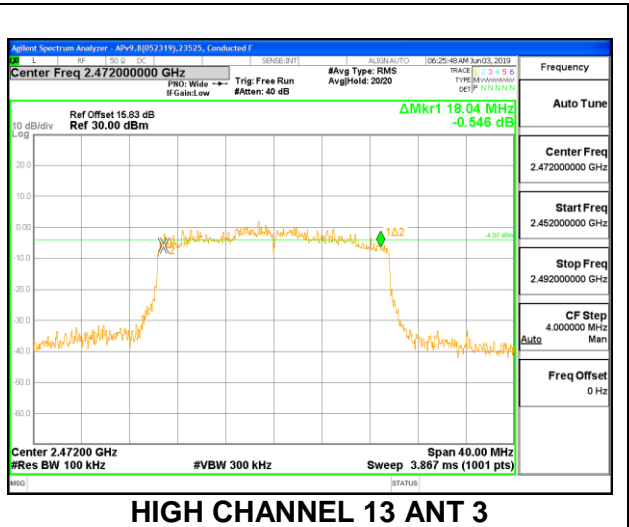
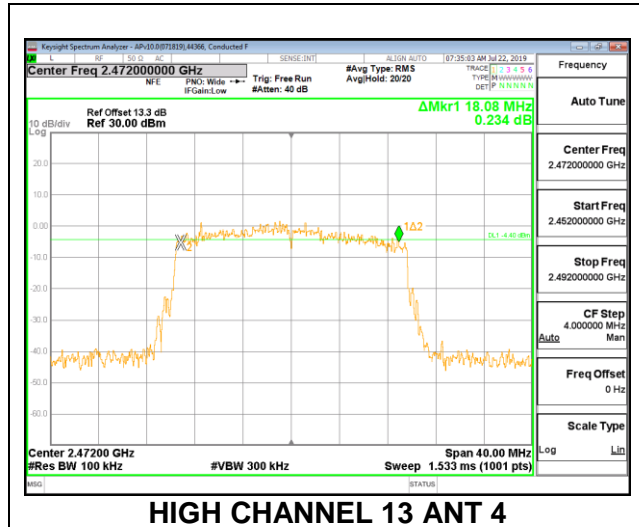


HIGH CHANNEL 9 ANT 4



HIGH CHANNEL 9 ANT 3





8.4. OUTPUT POWER

LIMITS

FCC §15.247 (b) (3)

RSS-247 5.4 (d)

For systems using digital modulation in the 902–928 MHz, 2400–2483.5 MHz, and 5725–5850 MHz bands: 1 Watt, based on the use of antennas with directional gains that do not exceed 6 dBi. If transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

TEST PROCEDURE

The transmitter output is connected to a power meter.

The cable assembly insertion loss of 13.3 dB (including 10 dB pad and 1.0 dB cable + 2.3 dB flex) was entered as an offset in the power meter to allow for a gated peak reading of power.

DIRECTIONAL ANTENNA GAIN

For 1 TX:

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

For 2 TX:

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

Band (GHz)	Antenna 4 Gain (dBi)	Antenna 3 Gain (dBi)	Uncorrelated Chains Directional Gain (dBi)	Correlated Chains Directional Gain (dBi)
2.4	-0.90	-2.30	-1.54	1.44

RESULTS

8.4.1. 802.11b MODE

1TX Antenna 4 MODE

Limits

Channel	Frequency (MHz)	Directional Gain (dBi)	FCC Power Limit (dBm)	ISED Power Limit (dBm)	ISED EIRP Limit (dBm)	Max Power (dBm)
Low 1	2412	-0.90	30.00	30	36	30.00
Mid 6	2437	-0.90	30.00	30	36	30.00
High 11	2462	-0.90	30.00	30	36	30.00
High 12	2467	-0.90	30.00	30	36	30.00
High 13	2472	-0.90	30.00	30	36	30.00

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

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Margin (dB)
Low 1	2412	18.85	18.85	30.00	-11.15
Mid 6	2437	18.98	18.98	30.00	-11.02
High 11	2462	18.82	18.82	30.00	-11.18
High 12	2467	18.92	18.92	30.00	-11.08
High 13	2472	15.73	15.73	30.00	-14.27

1TX Antenna 3 MODE

Limits

Channel	Frequency (MHz)	Directional Gain (dBi)	FCC Power Limit (dBm)	ISED Power Limit (dBm)	ISED EIRP Limit (dBm)	Max Power (dBm)
Low 1	2412	-2.30	30.00	30	36	30.00
Mid 6	2437	-2.30	30.00	30	36	30.00
High 11	2462	-2.30	30.00	30	36	30.00
High 12	2467	-2.30	30.00	30	36	30.00
High 13	2472	-2.30	30.00	30	36	30.00

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

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Margin (dB)
Low 1	2412	20.22	20.22	30.00	-9.78
Mid 6	2437	21.25	21.25	30.00	-8.75
High 11	2462	21.20	21.20	30.00	-8.80
High 12	2467	20.19	20.19	30.00	-9.81
High 13	2472	15.74	15.74	30.00	-14.26

8.4.2. 802.11n HT20 MODE

1TX Antenna 4 MODE

Limits

Channel	Frequency (MHz)	Directional Gain (dBi)	FCC Power Limit (dBm)	ISED Power Limit (dBm)	ISED EIRP Limit (dBm)	Max Power (dBm)
Low 1	2412	-0.90	30.00	30	36	30.00
Low 2	2417	-0.90	30.00	30	36	30.00
Low 3	2422	-0.90	30.00	30	36	30.00
Mid 6	2437	-0.90	30.00	30	36	30.00
High 9	2452	-0.90	30.00	30	36	30.00
High 10	2457	-0.90	30.00	30	36	30.00
High 11	2462	-0.90	30.00	30	36	30.00
High 12	2467	-0.90	30.00	30	36	30.00
High 13	2472	-0.90	30.00	30	36	30.00

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

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Margin (dB)
Low 1	2412	17.14	17.14	30.00	-12.86
Low 2	2417	18.90	18.90	30.00	-11.10
Low 3	2422	18.98	18.98	30.00	-11.02
Mid 6	2437	18.95	18.95	30.00	-11.05
High 9	2452	18.87	18.87	30.00	-11.13
High 10	2457	18.92	18.92	30.00	-11.08
High 11	2462	17.22	17.22	30.00	-12.78
High 12	2467	15.19	15.19	30.00	-14.81
High 13	2472	5.16	5.16	30.00	-24.84

1TX Antenna 3 MODE

Limits

Channel	Frequency (MHz)	Directional Gain (dBi)	FCC Power Limit (dBm)	ISED Power Limit (dBm)	ISED EIRP Limit (dBm)	Max Power (dBm)
Low 1	2412	-2.30	30.00	30	36	30.00
Low 2	2417	-2.30	30.00	30	36	30.00
Low 3	2422	-2.30	30.00	30	36	30.00
Mid 6	2437	-2.30	30.00	30	36	30.00
High 9	2452	-2.30	30.00	30	36	30.00
High 10	2457	-2.30	30.00	30	36	30.00
High 11	2462	-2.30	30.00	30	36	30.00
High 12	2467	-2.30	30.00	30	36	30.00
High 13	2472	-2.30	30.00	30	36	30.00

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

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Margin (dB)
Low 1	2412	17.12	17.12	30.00	-12.88
Low 2	2417	19.19	19.19	30.00	-10.81
Low 3	2422	20.72	20.72	30.00	-9.28
Mid 6	2437	21.24	21.24	30.00	-8.76
High 9	2452	21.21	21.21	30.00	-8.79
High 10	2457	19.23	19.23	30.00	-10.77
High 11	2462	17.21	17.21	30.00	-12.79
High 12	2467	15.21	15.21	30.00	-14.79
High 13	2472	5.18	5.18	30.00	-24.82

2TX Antenna 4 + Antenna 3 CDD MODE

Limits

Channel	Frequency (MHz)	Directional Gain (dBi)	FCC/ISED Power Limit (dBm)	ISED EIRP Limit (dBm)	Max Power (dBm)
Low 1	2412	-1.54	30.00	36	30.00
Low 2	2417	-1.54	30.00	36	30.00
Low 3	2422	-1.54	30.00	36	30.00
Mid 6	2437	-1.54	30.00	36	30.00
High 9	2452	-1.54	30.00	36	30.00
High 10	2457	-1.54	30.00	36	30.00
High 11	2462	-1.54	30.00	36	30.00
High 12	2467	-1.54	30.00	36	30.00
High 13	2472	-1.54	30.00	36	30.00

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

Channel	Frequency (MHz)	Antenna 4 Meas Power (dBm)	Antenna 3 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Margi (dB)
Low 1	2412	16.18	16.15	19.18	30.00	-10.82
Low 2	2417	18.15	18.12	21.15	30.00	-8.85
Low 3	2422	18.95	19.73	22.37	30.00	-7.63
Mid 6	2437	18.98	21.20	23.24	30.00	-6.76
High 9	2452	18.93	19.21	22.08	30.00	-7.92
High 10	2457	18.23	18.20	21.23	30.00	-8.77
High 11	2462	16.22	16.24	19.24	30.00	-10.76
High 12	2467	13.70	13.73	16.73	30.00	-13.27
High 13	2472	4.71	4.68	7.71	30.00	-22.29

8.4.3. 802.11ax HE20 MODE

1TX Antenna 4 MODE: 26-Tones, RU Index 0

Limits

Channel	Frequency (MHz)	Directional Gain (dBi)	FCC Power Limit (dBm)	ISED Power Limit (dBm)	ISED EIRP Limit (dBm)	Max Power (dBm)
Low 1	2412	-0.90	30.00	30	36	30.00
Low 2	2417	-0.90	30.00	30	36	30.00
Low 3	2422	-0.90	30.00	30	36	30.00
Mid 6	2437	-0.90	30.00	30	36	30.00
High 9	2452	-0.90	30.00	30	36	30.00
High 10	2457	-0.90	30.00	30	36	30.00
High 11	2462	-0.90	30.00	30	36	30.00
High 12	2467	-0.90	30.00	30	36	30.00
High 13	2472	-0.90	30.00	30	36	30.00

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

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Margin (dB)
Low 1	2412	15.68	15.68	30.00	-14.32
Low 2	2417	17.71	17.71	30.00	-12.29
Low 3	2422	18.90	18.90	30.00	-11.10
Mid 6	2437	18.95	18.95	30.00	-11.05
High 9	2452	18.88	18.88	30.00	-11.12
High 10	2457	17.73	17.73	30.00	-12.27
High 11	2462	15.72	15.72	30.00	-14.28
High 12	2467	13.69	13.69	30.00	-16.31
High 13	2472	-0.38	-0.38	30.00	-30.38

1TX Antenna 4 MODE: 26-Tones, RU Index 4

Limits

Channel	Frequency (MHz)	Directional Gain (dBi)	FCC Power Limit (dBm)	ISED Power Limit (dBm)	ISED EIRP Limit (dBm)	Max Power (dBm)
Low 1	2412	-0.90	30.00	30	36	30.00
Low 2	2417	-0.90	30.00	30	36	30.00
Low 3	2422	-0.90	30.00	30	36	30.00
Mid 6	2437	-0.90	30.00	30	36	30.00
High 9	2452	-0.90	30.00	30	36	30.00
High 10	2457	-0.90	30.00	30	36	30.00
High 11	2462	-0.90	30.00	30	36	30.00
High 12	2467	-0.90	30.00	30	36	30.00
High 13	2472	-0.90	30.00	30	36	30.00

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

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Margin (dB)
Low 1	2412	15.69	15.69	30.00	-14.31
Low 2	2417	17.60	17.60	30.00	-12.40
Low 3	2422	18.81	18.81	30.00	-11.19
Mid 6	2437	18.91	18.91	30.00	-11.09
High 9	2452	18.85	18.85	30.00	-11.15
High 10	2457	17.63	17.63	30.00	-12.37
High 11	2462	15.63	15.63	30.00	-14.37
High 12	2467	13.65	13.65	30.00	-16.35
High 13	2472	-0.33	-0.33	30.00	-30.33

1TX Antenna 4 MODE: 26-Tones, RU Index 8

Limits

Channel	Frequency (MHz)	Directional Gain (dBi)	FCC Power Limit (dBm)	ISED Power Limit (dBm)	ISED EIRP Limit (dBm)	Max Power (dBm)
Low 1	2412	-0.90	30.00	30	36	30.00
Low 2	2417	-0.90	30.00	30	36	30.00
Low 3	2422	-0.90	30.00	30	36	30.00
Mid 6	2437	-0.90	30.00	30	36	30.00
High 9	2452	-0.90	30.00	30	36	30.00
High 10	2457	-0.90	30.00	30	36	30.00
High 11	2462	-0.90	30.00	30	36	30.00
High 12	2467	-0.90	30.00	30	36	30.00
High 13	2472	-0.90	30.00	30	36	30.00

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

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Margin (dB)
Low 1	2412	15.71	15.71	30.00	-14.29
Low 2	2417	17.65	17.65	30.00	-12.35
Low 3	2422	18.92	18.92	30.00	-11.08
Mid 6	2437	18.96	18.96	30.00	-11.04
High 9	2452	18.87	18.87	30.00	-11.13
High 10	2457	17.69	17.69	30.00	-12.31
High 11	2462	15.68	15.68	30.00	-14.32
High 12	2467	13.66	13.66	30.00	-16.34
High 13	2472	-0.42	-0.42	30.00	-30.42

1TX Antenna 4 MODE: 242-Tones, RU Index 61

Limits

Channel	Frequency (MHz)	Directional Gain (dBi)	FCC Power Limit (dBm)	ISED Power Limit (dBm)	ISED EIRP Limit (dBm)	Max Power (dBm)
Low 1	2412	-0.90	30.00	30	36	30.00
Low 2	2417	-0.90	30.00	30	36	30.00
Low 3	2422	-0.90	30.00	30	36	30.00
Mid 6	2437	-0.90	30.00	30	36	30.00
High 9	2452	-0.90	30.00	30	36	30.00
High 10	2457	-0.90	30.00	30	36	30.00
High 11	2462	-0.90	30.00	30	36	30.00
High 12	2467	-0.90	30.00	30	36	30.00
High 13	2472	-0.90	30.00	30	36	30.00

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

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Margin (dB)
Low 1	2412	15.64	15.64	30.00	-14.36
Low 2	2417	17.68	17.68	30.00	-12.32
Low 3	2422	18.90	18.90	30.00	-11.10
Mid 6	2437	18.95	18.95	30.00	-11.05
High 9	2452	18.88	18.88	30.00	-11.12
High 10	2457	17.65	17.65	30.00	-12.35
High 11	2462	15.69	15.69	30.00	-14.31
High 12	2467	13.70	13.70	30.00	-16.30
High 13	2472	4.73	4.73	30.00	-25.27

1TX Antenna 3 MODE: 26-Tones, RU Index 0

Limits

Channel	Frequency (MHz)	Directional Gain (dBi)	FCC Power Limit (dBm)	ISED Power Limit (dBm)	ISED EIRP Limit (dBm)	Max Power (dBm)
Low 1	2412	-2.30	30.00	30	36	30.00
Low 2	2417	-2.30	30.00	30	36	30.00
Low 3	2422	-2.30	30.00	30	36	30.00
Mid 6	2437	-2.30	30.00	30	36	30.00
High 9	2452	-2.30	30.00	30	36	30.00
High 10	2457	-2.30	30.00	30	36	30.00
High 11	2462	-2.30	30.00	30	36	30.00
High 12	2467	-2.30	30.00	30	36	30.00
High 13	2472	-2.30	30.00	30	36	30.00

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

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Margin (dB)
Low 1	2412	15.68	15.68	30.00	-14.32
Low 2	2417	17.67	17.67	30.00	-12.33
Low 3	2422	19.68	19.68	30.00	-10.32
Mid 6	2437	21.23	21.23	30.00	-8.77
High 9	2452	19.74	19.74	30.00	-10.26
High 10	2457	17.72	17.72	30.00	-12.28
High 11	2462	15.71	15.71	30.00	-14.29
High 12	2467	13.66	13.66	30.00	-16.34
High 13	2472	-0.35	-0.35	30.00	-30.35

1TX Antenna 3 MODE: 26-Tones, RU Index 4

Limits

Channel	Frequency (MHz)	Directional Gain (dBi)	FCC Power Limit (dBm)	ISED Power Limit (dBm)	ISED EIRP Limit (dBm)	Max Power (dBm)
Low 1	2412	-2.30	30.00	30	36	30.00
Low 2	2417	-2.30	30.00	30	36	30.00
Low 3	2422	-2.30	30.00	30	36	30.00
Mid 6	2437	-2.30	30.00	30	36	30.00
High 9	2452	-2.30	30.00	30	36	30.00
High 10	2457	-2.30	30.00	30	36	30.00
High 11	2462	-2.30	30.00	30	36	30.00
High 12	2467	-2.30	30.00	30	36	30.00
High 13	2472	-2.30	30.00	30	36	30.00

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

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Margin (dB)
Low 1	2412	15.59	15.59	30.00	-14.41
Low 2	2417	17.58	17.58	30.00	-12.42
Low 3	2422	19.65	19.65	30.00	-10.35
Mid 6	2437	21.22	21.22	30.00	-8.78
High 9	2452	19.64	19.64	30.00	-10.36
High 10	2457	17.61	17.61	30.00	-12.39
High 11	2462	15.62	15.62	30.00	-14.38
High 12	2467	13.58	13.58	30.00	-16.42
High 13	2472	-0.28	-0.28	30.00	-30.28

1TX Antenna 3 MODE: 26-Tones, RU Index 8

Limits

Channel	Frequency (MHz)	Directional Gain (dBi)	FCC Power Limit (dBm)	ISED Power Limit (dBm)	ISED EIRP Limit (dBm)	Max Power (dBm)
Low 1	2412	-2.30	30.00	30	36	30.00
Low 2	2417	-2.30	30.00	30	36	30.00
Low 3	2422	-2.30	30.00	30	36	30.00
Mid 6	2437	-2.30	30.00	30	36	30.00
High 9	2452	-2.30	30.00	30	36	30.00
High 10	2457	-2.30	30.00	30	36	30.00
High 11	2462	-2.30	30.00	30	36	30.00
High 12	2467	-2.30	30.00	30	36	30.00
High 13	2472	-2.30	30.00	30	36	30.00

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

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Margin (dB)
Low 1	2412	15.64	15.64	30.00	-14.36
Low 2	2417	17.65	17.65	30.00	-12.35
Low 3	2422	19.69	19.69	30.00	-10.31
Mid 6	2437	21.21	21.21	30.00	-8.79
High 9	2452	19.71	19.71	30.00	-10.29
High 10	2457	17.70	17.70	30.00	-12.30
High 11	2462	15.73	15.73	30.00	-14.27
High 12	2467	13.72	13.72	30.00	-16.28
High 13	2472	-0.44	-0.44	30.00	-30.44

1TX Antenna 3 MODE: 242-Tones, RU Index 61

Limits

Channel	Frequency (MHz)	Directional Gain (dBi)	FCC Power Limit (dBm)	ISED Power Limit (dBm)	ISED EIRP Limit (dBm)	Max Power (dBm)
Low 1	2412	-2.30	30.00	30	36	30.00
Low 2	2417	-2.30	30.00	30	36	30.00
Low 3	2422	-2.30	30.00	30	36	30.00
Mid 6	2437	-2.30	30.00	30	36	30.00
High 9	2452	-2.30	30.00	30	36	30.00
High 10	2457	-2.30	30.00	30	36	30.00
High 11	2462	-2.30	30.00	30	36	30.00
High 12	2467	-2.30	30.00	30	36	30.00
High 13	2472	-2.30	30.00	30	36	30.00

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

Channel	Frequency (MHz)	Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Margin (dB)
Low 1	2412	15.65	15.65	30.00	-14.35
Low 2	2417	17.69	17.69	30.00	-12.31
Low 3	2422	19.70	19.70	30.00	-10.30
Mid 6	2437	21.18	21.18	30.00	-8.82
High 9	2452	19.65	19.65	30.00	-10.35
High 10	2457	17.73	17.73	30.00	-12.27
High 11	2462	15.71	15.71	30.00	-14.29
High 12	2467	13.65	13.65	30.00	-16.35
High 13	2472	4.63	4.63	30.00	-25.37

8.4.4. 802.11ax HE20 OFDMA MODE 2TX

2TX Antenna 4 + Antenna 3 OFDMA MODE: 26-Tones, RU Index 0

Limits

Channel	Frequency (MHz)	Directional Gain (dBi)	FCC/ISED Power Limit (dBm)	ISED EIRP Limit (dBm)	Max Power (dBm)
Low 1	2412	-1.54	30.00	36	30.00
Low 2	2417	-1.54	30.00	36	30.00
Low 3	2422	-1.54	30.00	36	30.00
Low 4	2427	-1.54	30.00	36	30.00
Mid 6	2437	-1.54	30.00	36	30.00
High 9	2452	-1.54	30.00	36	30.00
High 10	2457	-1.54	30.00	36	30.00
High 11	2462	-1.54	30.00	36	30.00
High 12	2467	-1.54	30.00	36	30.00
High 13	2472	-1.54	30.00	36	30.00

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

Channel	Frequency (MHz)	Antenna 4 Meas Power (dBm)	Antenna 3 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Margi (dB)
Low 1	2412	14.72	14.65	17.70	30.00	-12.30
Low 2	2417	16.64	16.63	19.65	30.00	-10.35
Low 3	2422	18.72	18.66	21.70	30.00	-8.30
Low 4	2427	18.82	19.68	22.28	30.00	-7.72
Mid 6	2437	18.95	19.72	22.36	30.00	-7.64
High 9	2452	18.20	18.17	21.20	30.00	-8.80
High 10	2457	16.71	16.68	19.71	30.00	-10.29
High 11	2462	14.68	14.68	17.69	30.00	-12.31
High 12	2467	12.18	12.18	15.19	30.00	-14.81
High 13	2472	-0.40	-0.45	2.59	30.00	-27.41

2TX Antenna 4 + Antenna 3 OFDMA MODE: 26-Tones, RU Index 4

Limits

Channel	Frequency (MHz)	Directional Gain (dBi)	FCC/ISED Power Limit (dBm)	ISED EIRP Limit (dBm)	Max Power (dBm)
Low 1	2412	-1.54	30.00	36	30.00
Low 2	2417	-1.54	30.00	36	30.00
Low 3	2422	-1.54	30.00	36	30.00
Low 4	2427	-1.54	30.00	36	30.00
Mid 6	2437	-1.54	30.00	36	30.00
High 9	2452	-1.54	30.00	36	30.00
High 10	2457	-1.54	30.00	36	30.00
High 11	2462	-1.54	30.00	36	30.00
High 12	2467	-1.54	30.00	36	30.00
High 13	2472	-1.54	30.00	36	30.00

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

Channel	Frequency (MHz)	Antenna 4 Meas Power (dBm)	Antenna 3 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Margi (dB)
Low 1	2412	14.65	14.63	17.65	30.00	-12.35
Low 2	2417	16.60	16.71	19.67	30.00	-10.33
Low 3	2422	18.69	18.65	21.68	30.00	-8.32
Low 4	2427	18.81	19.60	22.23	30.00	-7.77
Mid 6	2437	18.78	19.63	22.24	30.00	-7.76
High 9	2452	18.15	18.20	21.19	30.00	-8.81
High 10	2457	16.62	16.68	19.66	30.00	-10.34
High 11	2462	14.68	14.62	17.66	30.00	-12.34
High 12	2467	12.12	12.15	15.15	30.00	-14.85
High 13	2472	-0.38	-0.42	2.61	30.00	-27.39

2TX Antenna 4 + Antenna 3 OFDMA MODE: 26-Tones, RU Index 8

Limits

Channel	Frequency (MHz)	Directional Gain (dBi)	FCC/ISED Power Limit (dBm)	ISED EIRP Limit (dBm)	Max Power (dBm)
Low 1	2412	-1.54	30.00	36	30.00
Low 2	2417	-1.54	30.00	36	30.00
Low 3	2422	-1.54	30.00	36	30.00
Low 4	2427	-1.54	30.00	36	30.00
Mid 6	2437	-1.54	30.00	36	30.00
High 9	2452	-1.54	30.00	36	30.00
High 10	2457	-1.54	30.00	36	30.00
High 11	2462	-1.54	30.00	36	30.00
High 12	2467	-1.54	30.00	36	30.00
High 13	2472	-1.54	30.00	36	30.00

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

Channel	Frequency (MHz)	Antenna 4 Meas Power (dBm)	Antenna 3 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Margi (dB)
Low 1	2412	14.73	14.70	17.73	30.00	-12.27
Low 2	2417	16.68	16.70	19.70	30.00	-10.30
Low 3	2422	18.70	18.68	21.70	30.00	-8.30
Low 4	2427	18.88	19.65	22.29	30.00	-7.71
Mid 6	2437	18.83	19.70	22.30	30.00	-7.70
High 9	2452	18.21	18.16	21.20	30.00	-8.80
High 10	2457	16.73	16.68	19.72	30.00	-10.28
High 11	2462	14.67	14.64	17.67	30.00	-12.33
High 12	2467	12.20	12.21	15.22	30.00	-14.78
High 13	2472	-0.36	-0.40	2.63	30.00	-27.37

2TX Antenna 4 + Antenna 3 OFDMA MODE: 242-Tones, RU Index 61

Limits

Channel	Frequency (MHz)	Directional Gain (dBi)	FCC/ISED Power Limit (dBm)	ISED EIRP Limit (dBm)	Max Power (dBm)
Low 1	2412	-1.54	30.00	36	30.00
Low 2	2417	-1.54	30.00	36	30.00
Low 3	2422	-1.54	30.00	36	30.00
Low 4	2427	-1.54	30.00	36	30.00
Mid 6	2437	-1.54	30.00	36	30.00
High 9	2452	-1.54	30.00	36	30.00
High 10	2457	-1.54	30.00	36	30.00
High 11	2462	-1.54	30.00	36	30.00
High 12	2467	-1.54	30.00	36	30.00
High 13	2472	-1.54	30.00	36	30.00

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

Channel	Frequency (MHz)	Antenna 4 Meas Power (dBm)	Antenna 3 Meas Power (dBm)	Total Corr'd Power (dBm)	Power Limit (dBm)	Margi (dB)
Low 1	2412	14.64	14.68	17.67	30.00	-12.33
Low 2	2417	16.68	16.65	19.68	30.00	-10.32
Low 3	2422	18.73	18.70	21.73	30.00	-8.27
Low 4	2427	18.92	21.14	23.18	30.00	-6.82
Mid 6	2437	18.95	21.22	23.24	30.00	-6.76
High 9	2452	18.24	18.20	21.23	30.00	-8.77
High 10	2457	16.71	16.71	19.72	30.00	-10.28
High 11	2462	14.63	14.68	17.67	30.00	-12.33
High 12	2467	12.24	12.18	15.22	30.00	-14.78
High 13	2472	4.23	4.18	7.22	30.00	-22.78

8.5. POWER SPECTRAL DENSITY

LIMITS

FCC §15.247 (e)

RSS-247 (5.2) (b)

The power spectral density conducted from the transmitter to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission.

RESULTS

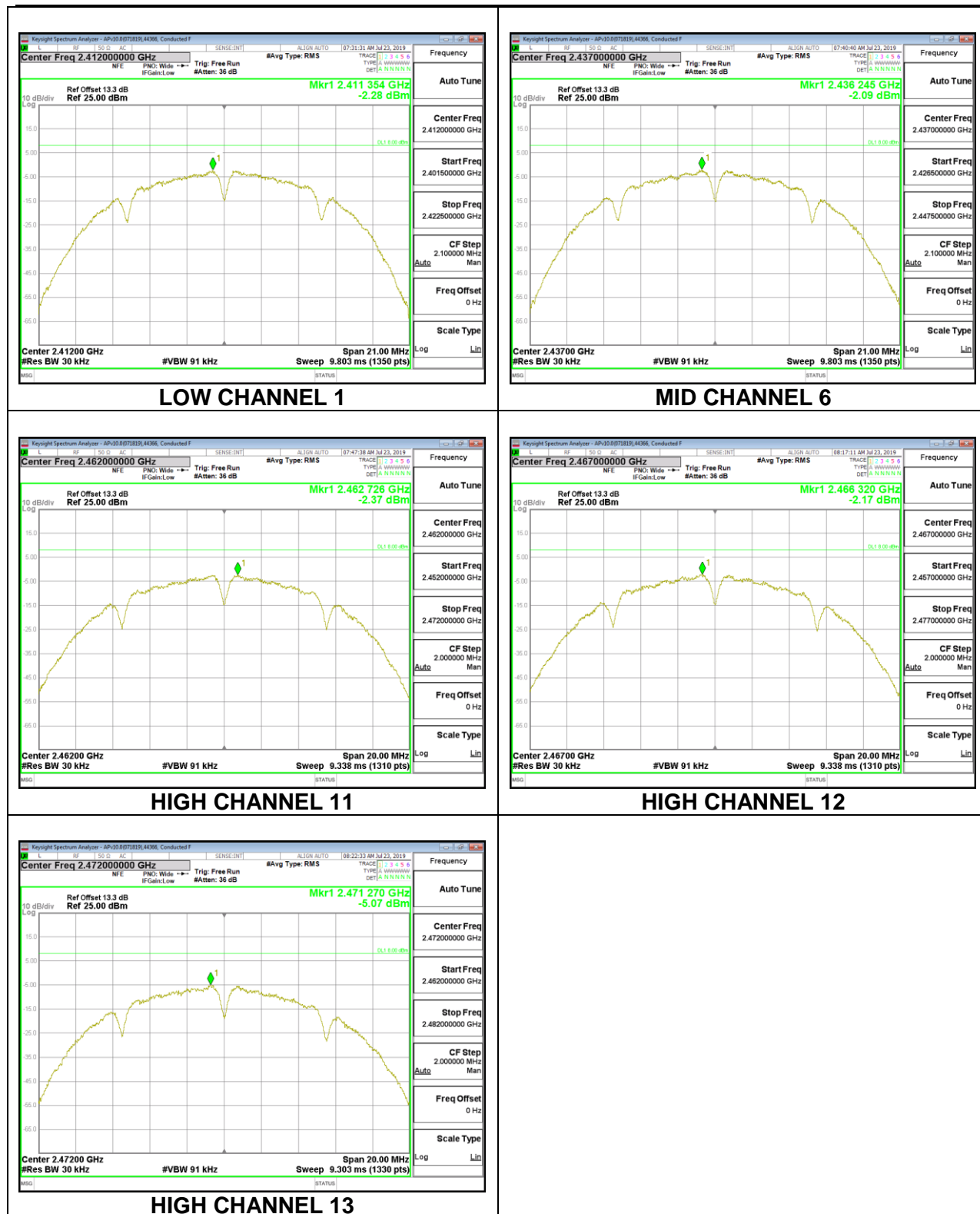
8.5.1. 802.11b MODE

1TX Antenna 4 MODE

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

Channel	Frequency (MHz)	Ant 4 Meas (dBm/ 3kHz)	Total Corr'd PSD (dBm/ 3kHz)	Limit (dBm/ 3kHz)	Margin (dB)
Low 1	2412	-2.28	-2.28	8.0	-10.3
Mid 6	2437	-2.09	-2.09	8.0	-10.1
High 11	2462	-2.37	-2.37	8.0	-10.4
High 12	2467	-2.17	-2.17	8.0	-10.2
High 13	2472	-5.07	-5.07	8.0	-13.1

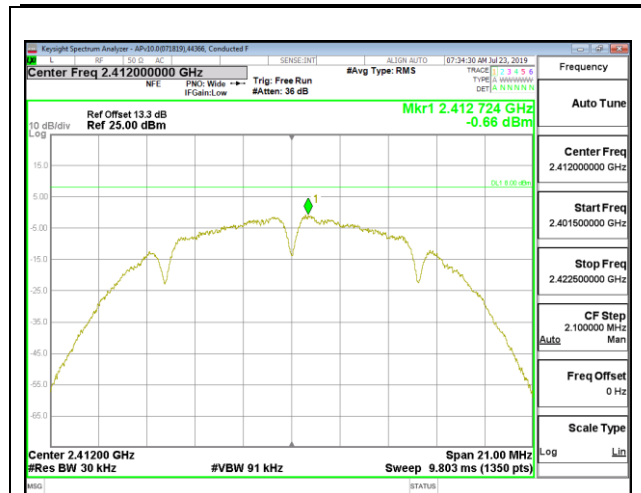


1TX Antenna 3 MODE

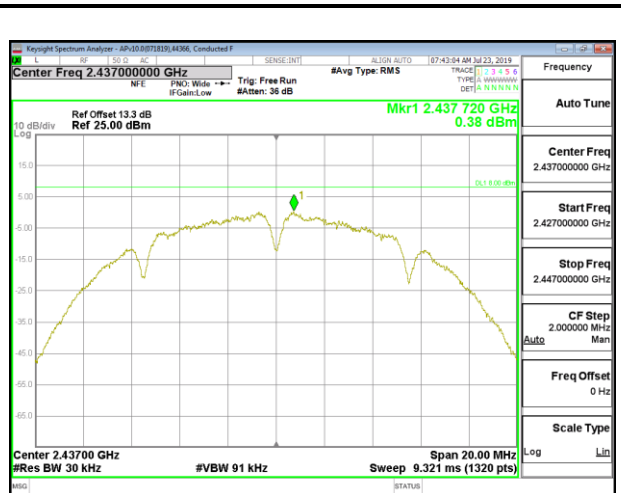
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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PSD Results

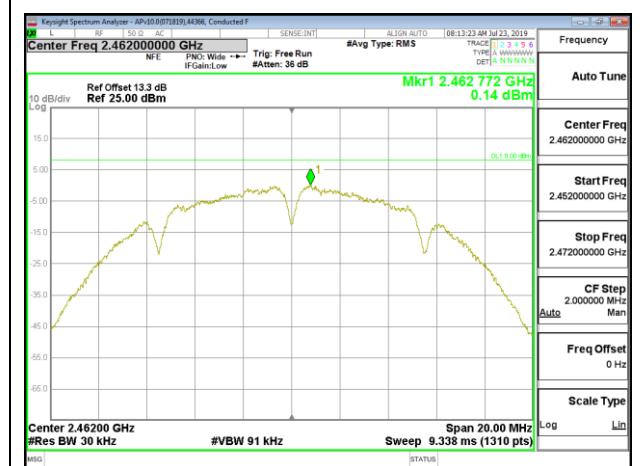
Channel	Frequency (MHz)	Ant 3 Meas (dBm/ 3kHz)	Total Corr'd PSD (dBm/ 3kHz)	Limit (dBm/ 3kHz)	Margin (dB)
Low 1	2412	-0.66	-0.66	8.0	-8.7
Mid 6	2437	0.38	0.38	8.0	-7.6
High 11	2462	0.14	0.14	8.0	-7.9
High 12	2467	-0.73	-0.73	8.0	-8.7
High 13	2472	-5.04	-5.04	8.0	-13.0



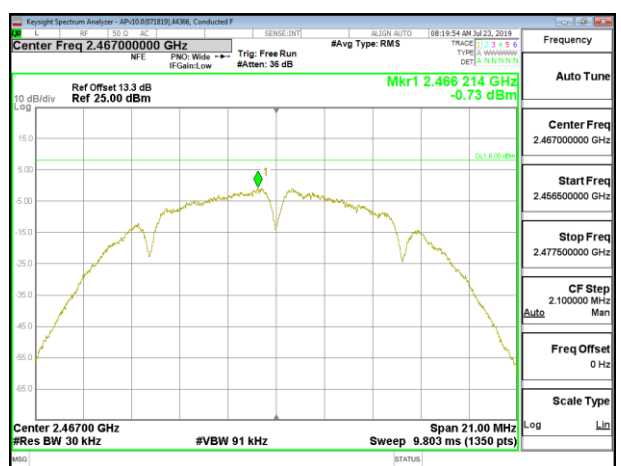
LOW CHANNEL 1



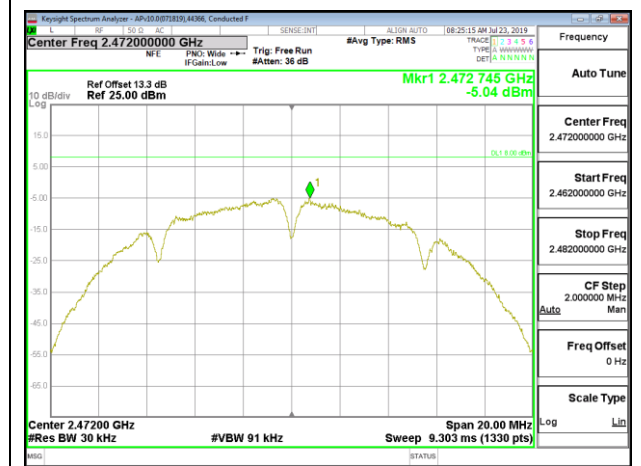
MID CHANNEL 6



HIGH CHANNEL 11



HIGH CHANNEL 12



HIGH CHANNEL 13

8.5.2. 802.11n HT20 MODE

1TX Antenna 4 MODE

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

Channel	Frequency (MHz)	Antenna 4 Meas (dBm/3kHz)	Total Corr'd PSD (dBm/3kHz)	Limit (dBm/3kHz)	Margin (dB)
Low 1	2412	-6.290	-6.29	8.0	-14.3
Low 2	2417	-4.180	-4.18	8.0	-12.2
Low 3	2422	-4.060	-4.06	8.0	-12.1
Mid 6	2437	-4.080	-4.08	8.0	-12.1
High 9	2452	-4.200	-4.20	8.0	-12.2
High 10	2457	-4.140	-4.14	8.0	-12.1
High 11	2462	-6.040	-6.04	8.0	-14.0
High 12	2467	-7.340	-7.34	8.0	-15.3
High 13	2472	-18.250	-18.25	8.0	-26.3