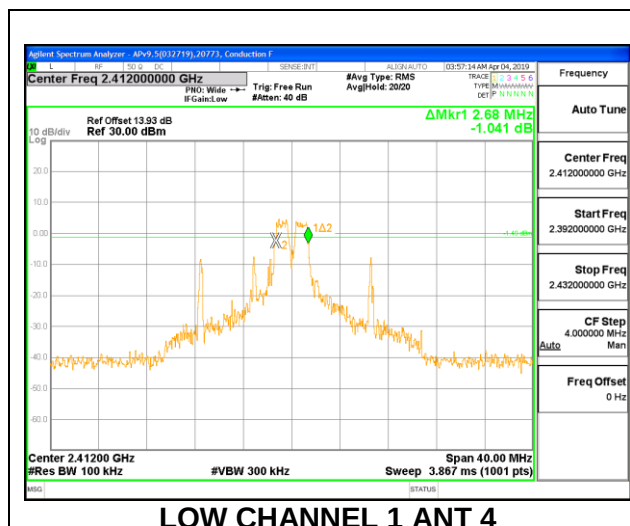
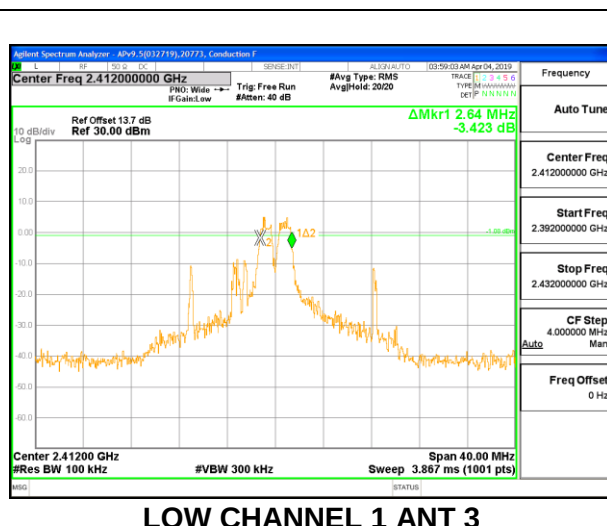
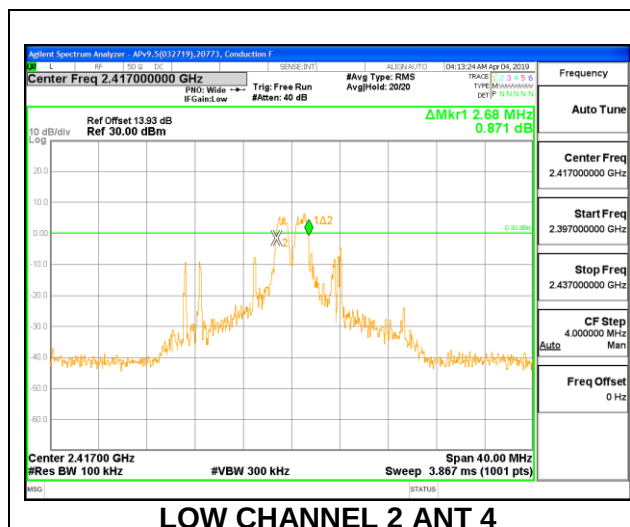




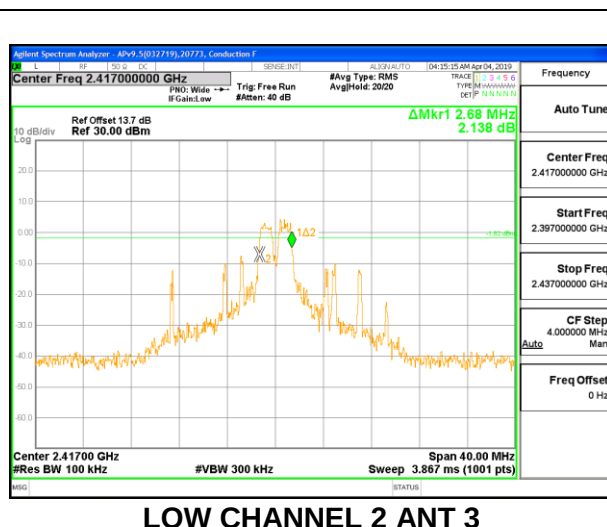
LOW CHANNEL 1 ANT 4



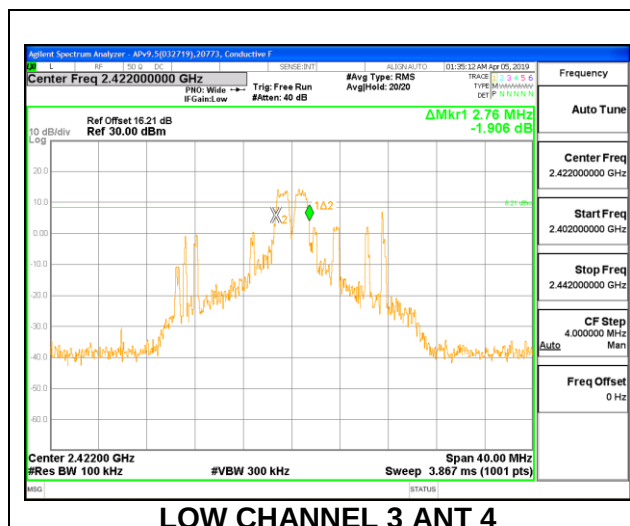
LOW CHANNEL 1 ANT 3



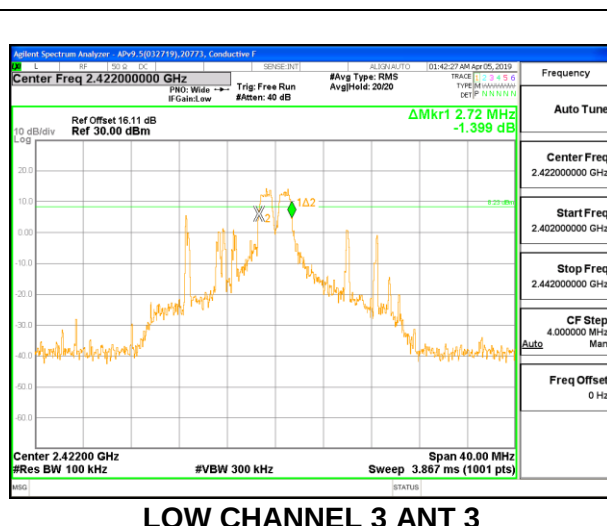
LOW CHANNEL 2 ANT 4



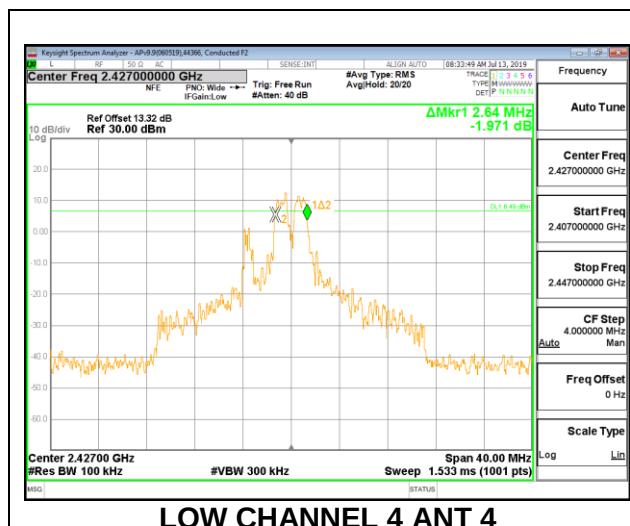
LOW CHANNEL 2 ANT 3



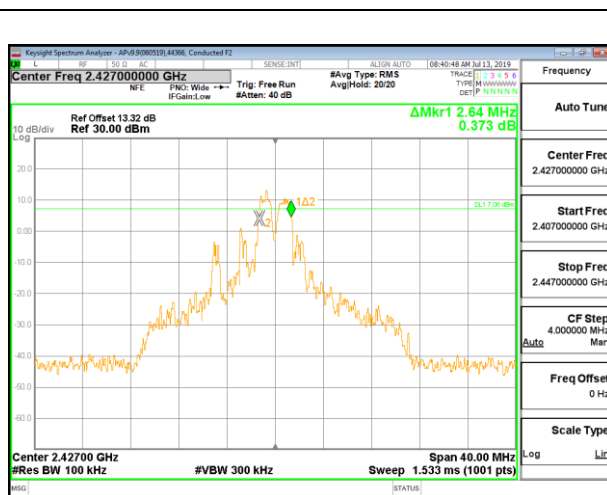
LOW CHANNEL 3 ANT 4



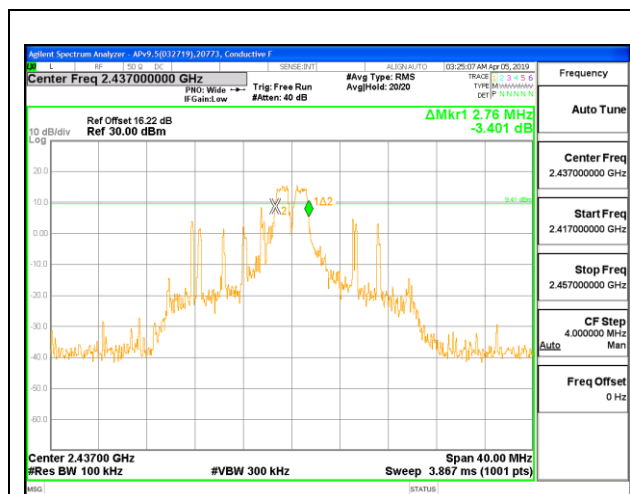
LOW CHANNEL 3 ANT 3



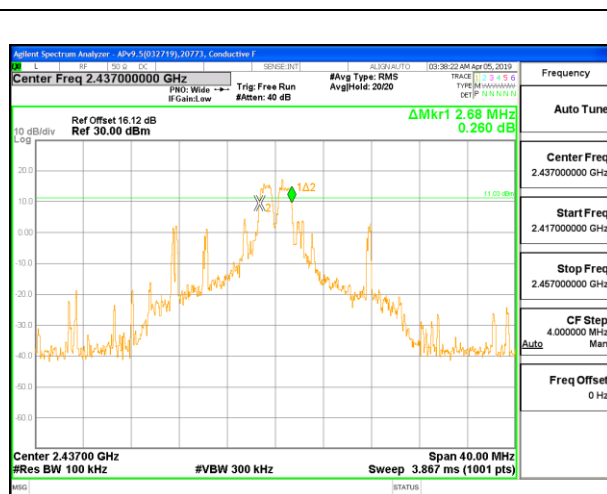
LOW CHANNEL 4 ANT 4



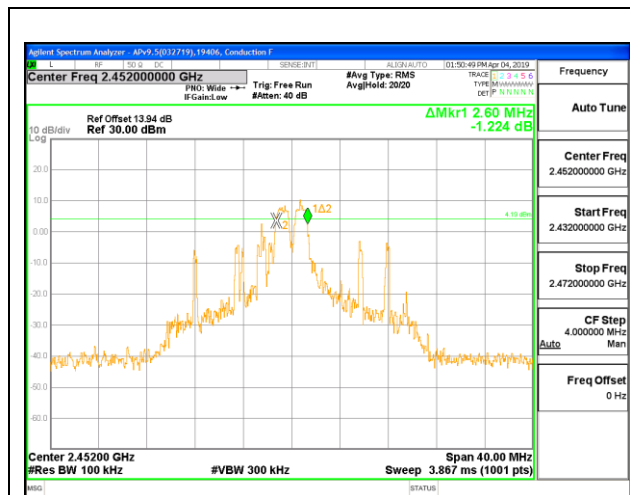
LOW CHANNEL 4 ANT 3



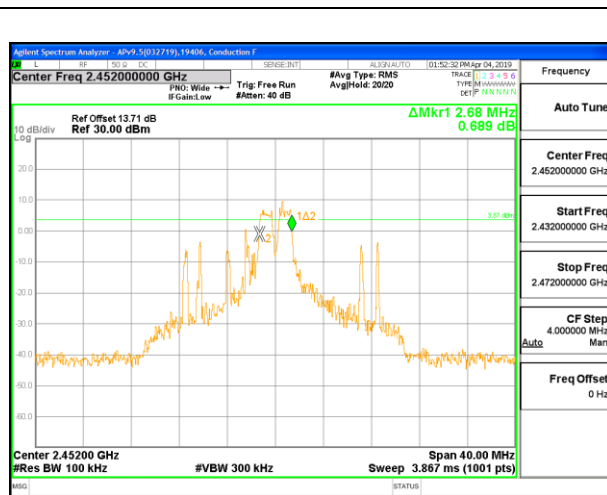
MID CHANNEL 6 ANT 4



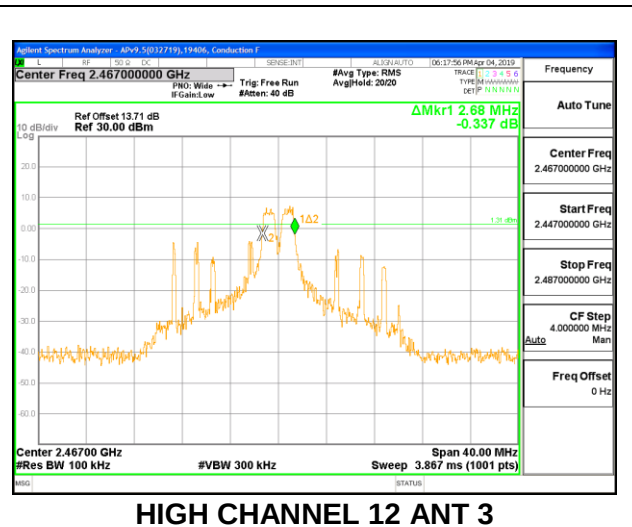
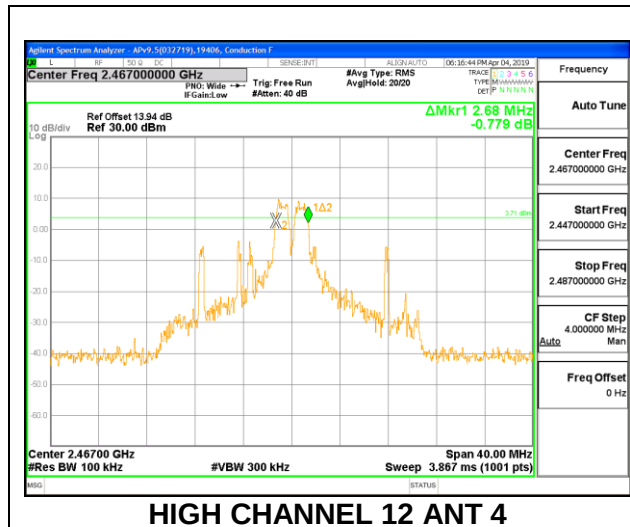
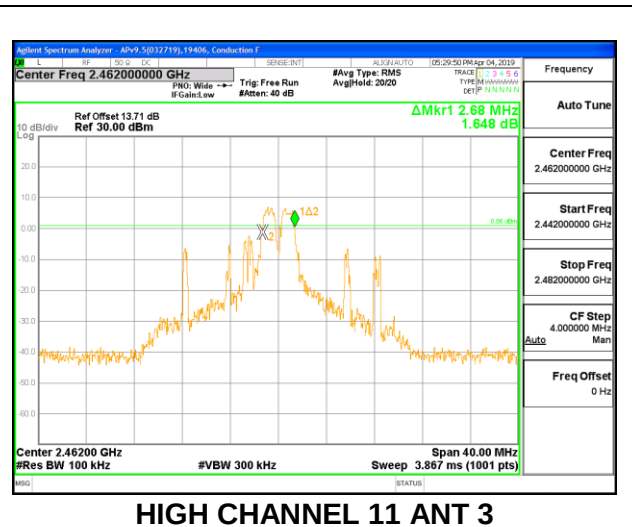
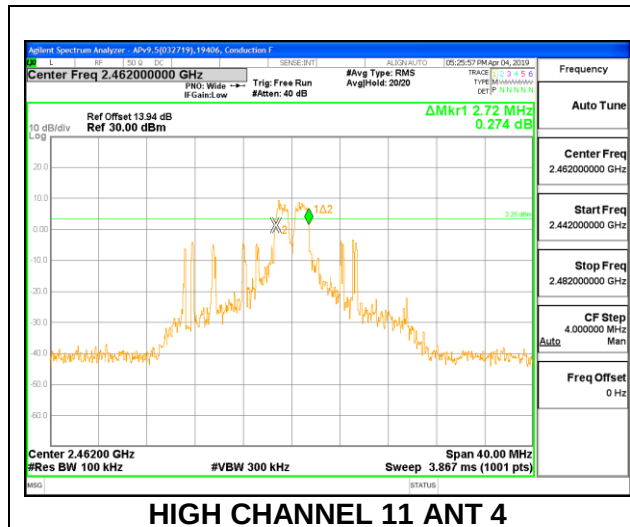
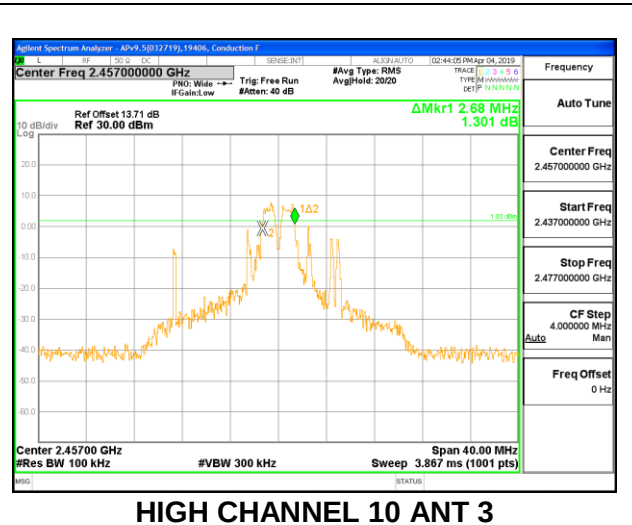
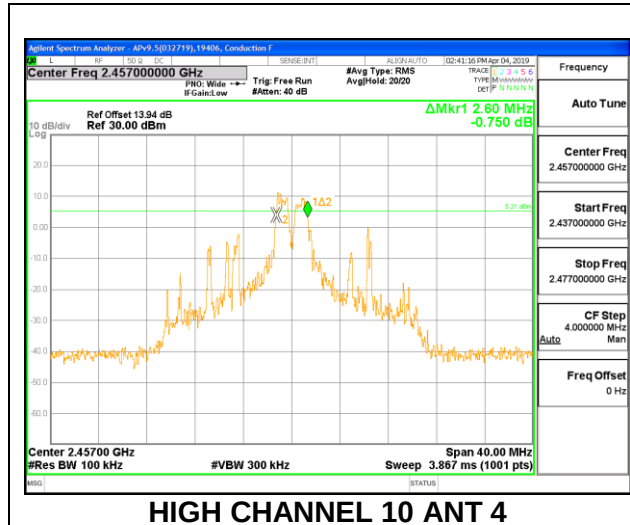
MID CHANNEL 6 ANT 3

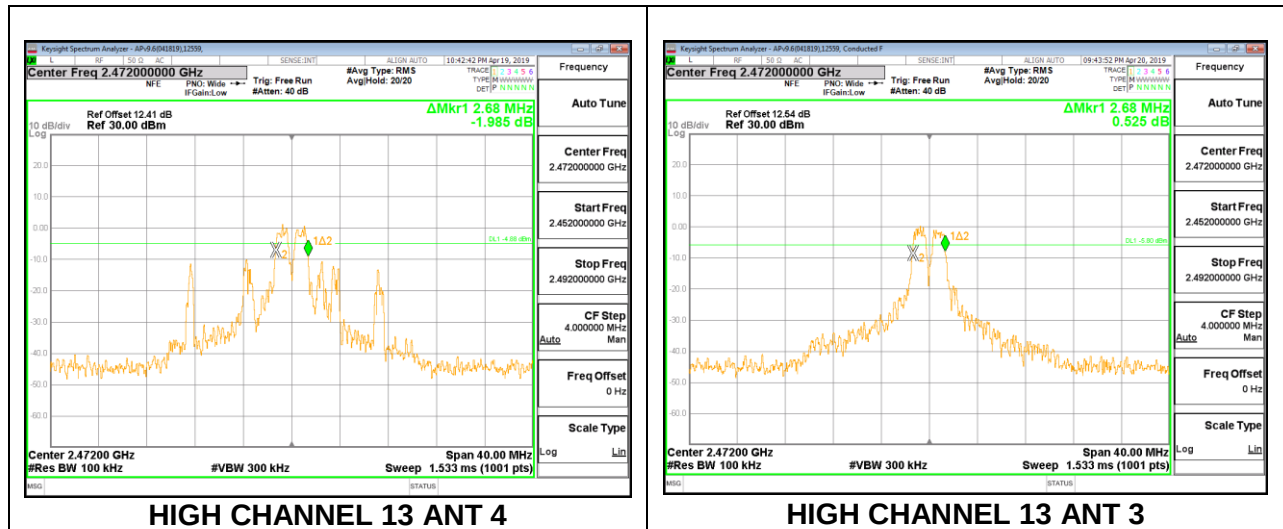


HIGH CHANNEL 9 ANT 4



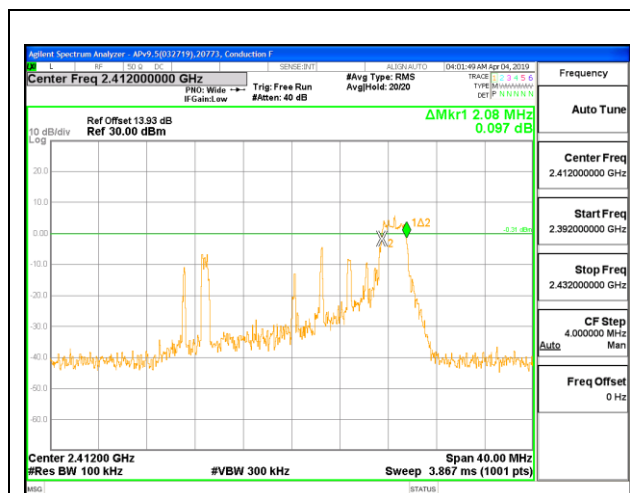
HIGH CHANNEL 9 ANT 3



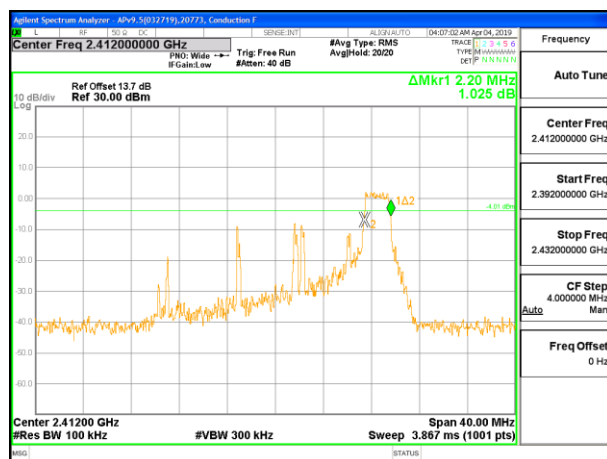


Antenna 4 + Antenna 3 2TX MODE: 26-Tones, RU Index 8

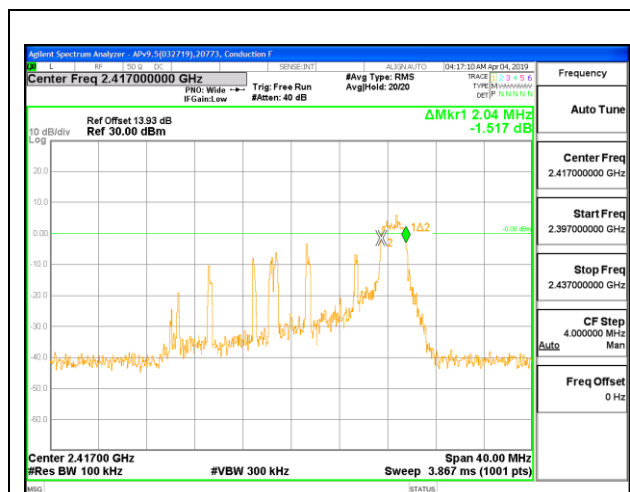
Channel	Frequency (MHz)	6dB Bandwidth Ant 4 (MHz)	6dB Bandwidth Ant 3 (MHz)	Minimum Limit (MHz)
Low 1	2412	2.0800	2.2000	0.5
Low 2	2417	2.0400	2.0800	0.5
Low 3	2422	2.1600	2.1200	0.5
Low 4	2427	2.0800	2.1600	0.5
Mid 6	2437	2.0800	2.1600	0.5
High 9	2452	2.1200	2.1200	0.5
High 10	2457	2.1200	2.1600	0.5
High 11	2462	2.0400	2.1600	0.5
High 12	2467	2.0800	2.0800	0.5
High 13	2472	2.1200	2.1600	0.5



LOW CHANNEL 1 ANT 4



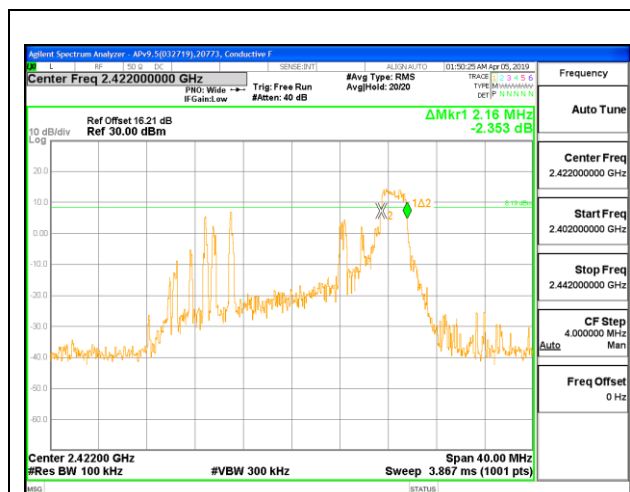
LOW CHANNEL 1 ANT 3



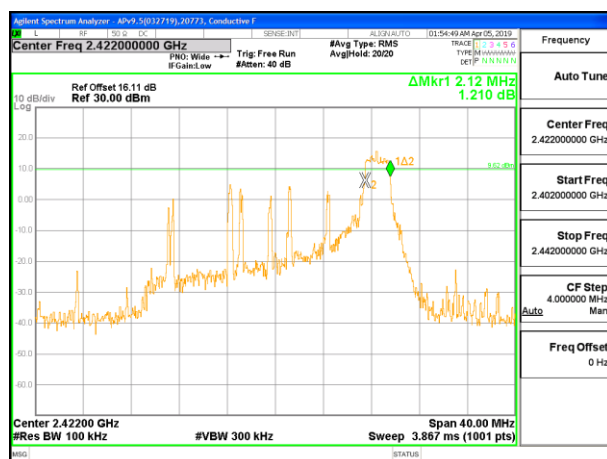
LOW CHANNEL 2 ANT 4



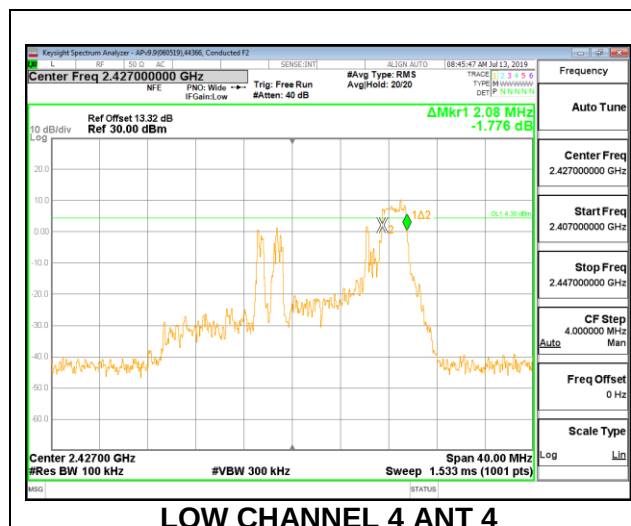
LOW CHANNEL 2 ANT 3



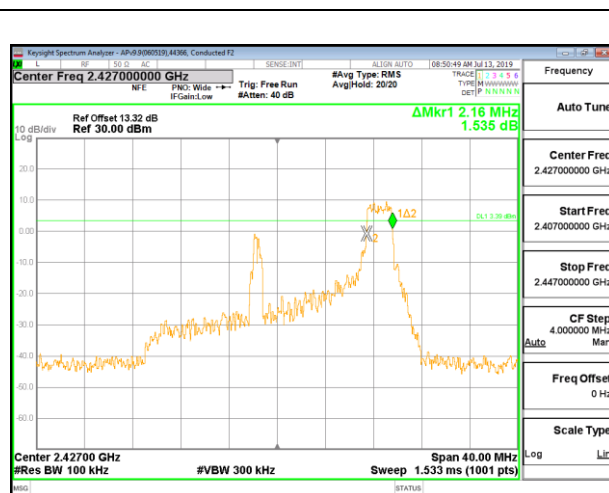
LOW CHANNEL 3 ANT 4



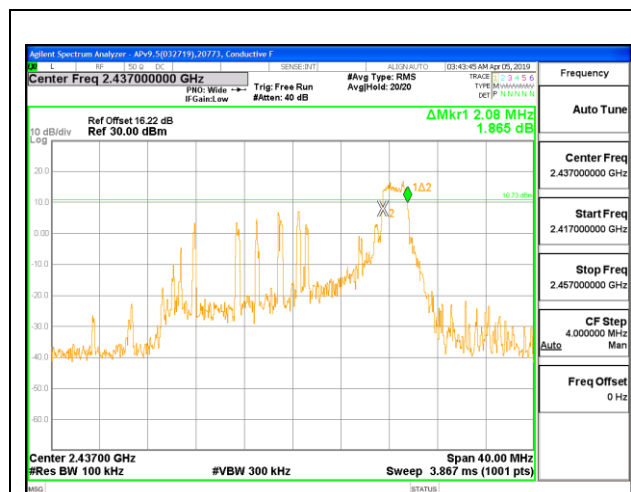
LOW CHANNEL 3 ANT 3



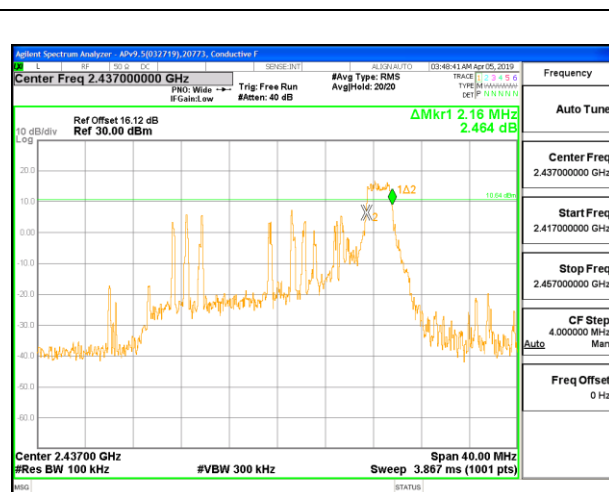
LOW CHANNEL 4 ANT 4



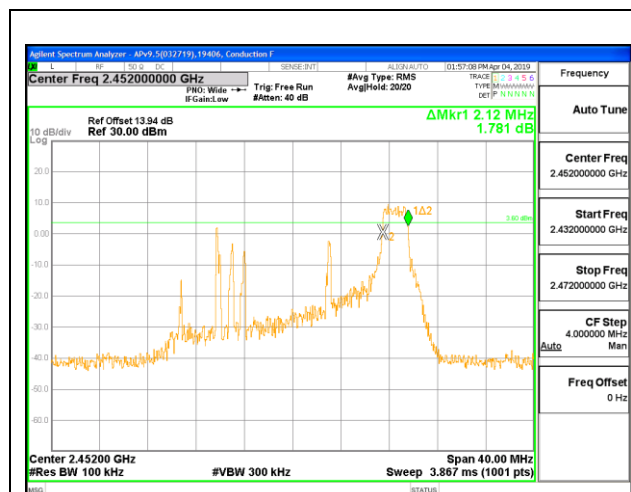
LOW CHANNEL 4 ANT 3



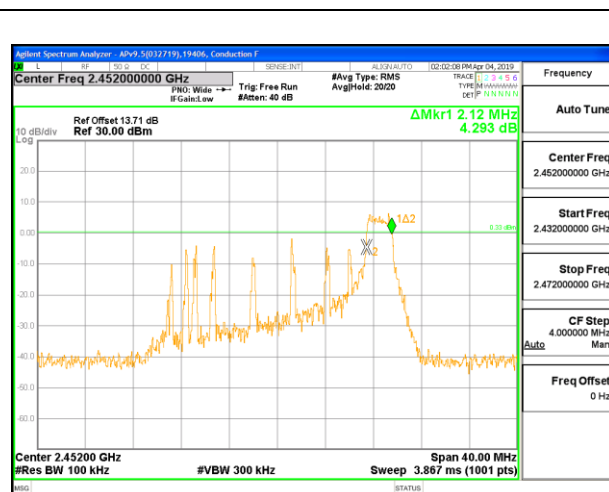
MID CHANNEL 6 ANT 4



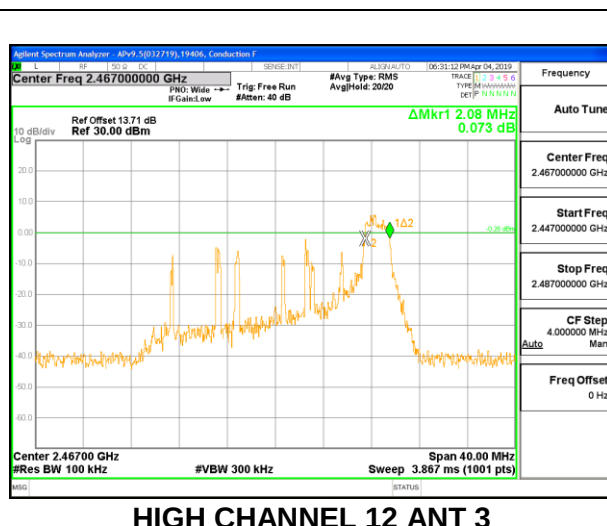
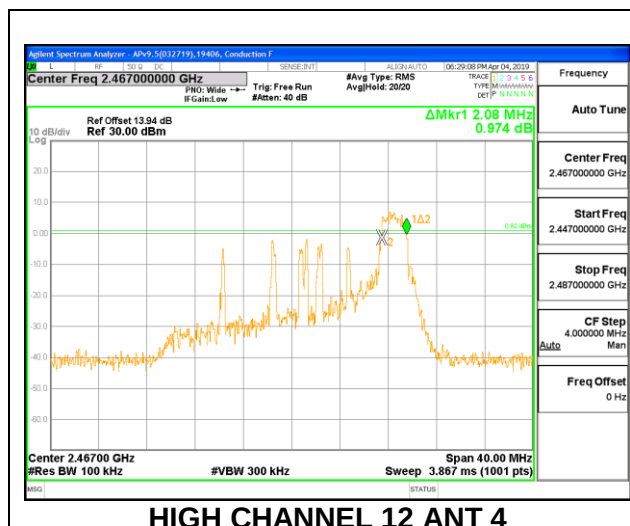
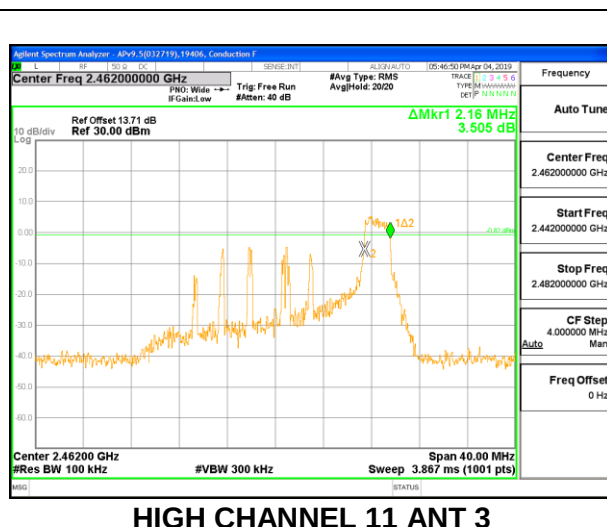
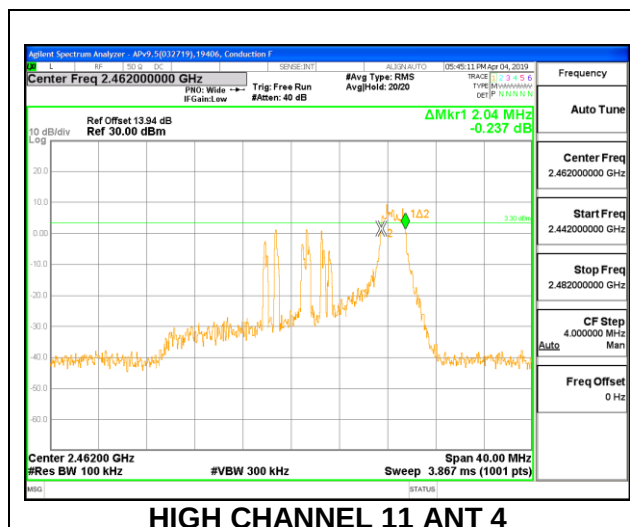
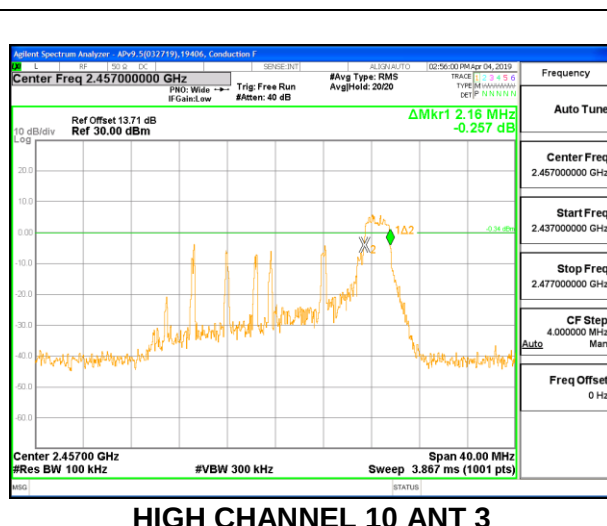
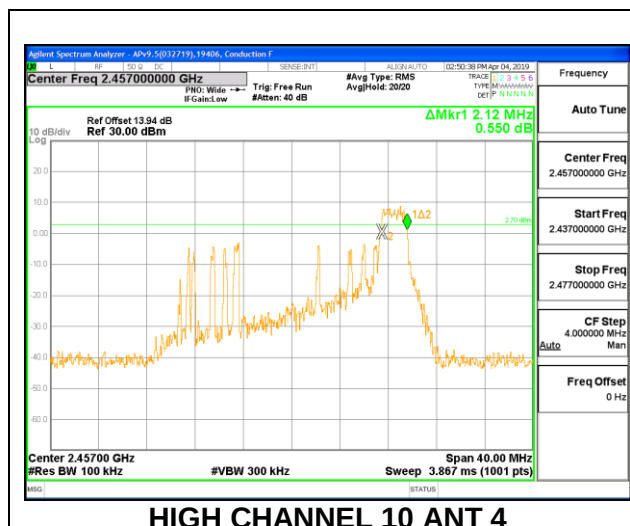
MID CHANNEL 6 ANT 3

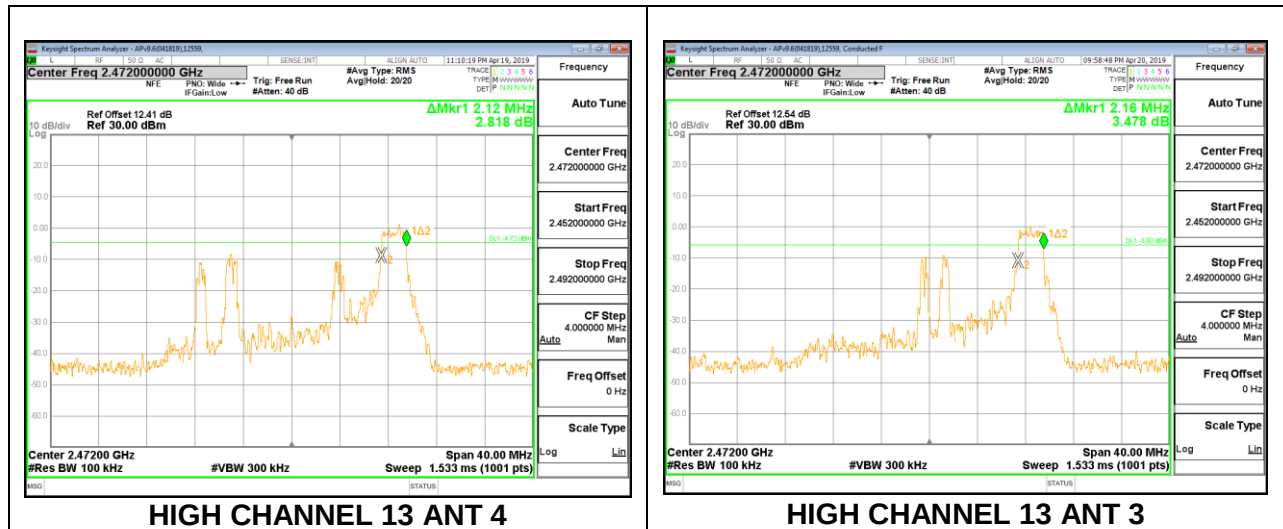


HIGH CHANNEL 9 ANT 4



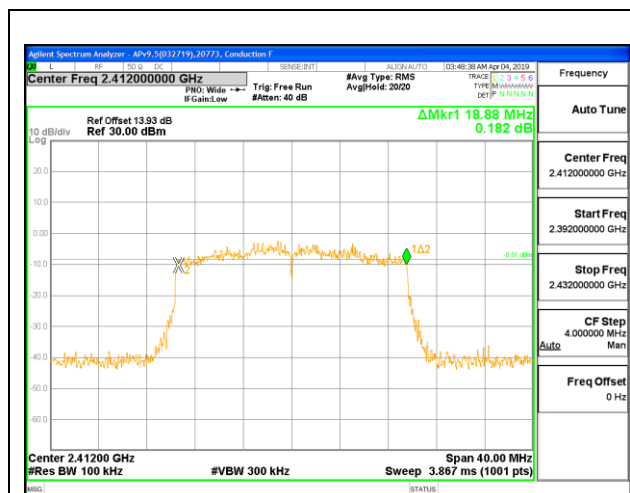
HIGH CHANNEL 9 ANT 3



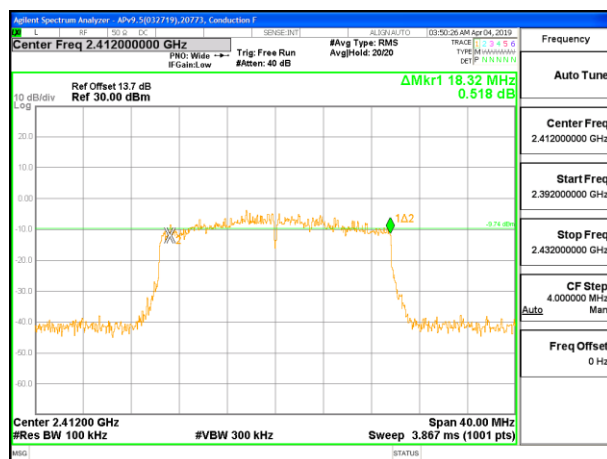


Antenna 4 + Antenna 3 2TX MODE: 242-Tones, RU Index 61

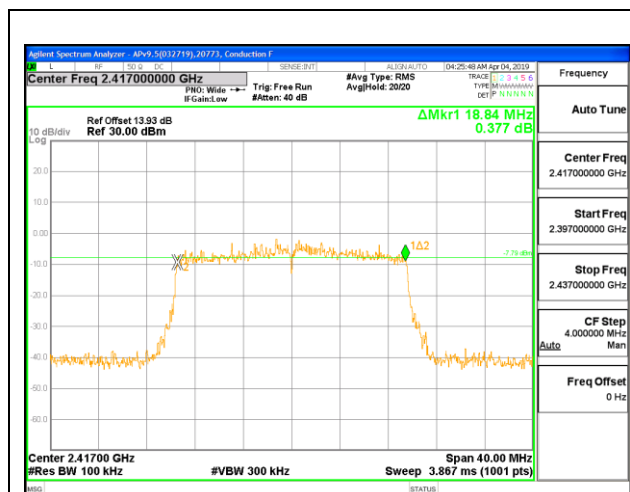
Channel	Frequency (MHz)	6dB Bandwidth Ant 4 (MHz)	6dB Bandwidth Ant 3 (MHz)	Minimum Limit (MHz)
Low 1	2412	18.8800	18.3200	0.5
Low 2	2417	18.8400	18.5600	0.5
Low 3	2422	18.4400	19.0000	0.5
Low 4	2427	18.6000	18.5200	0.5
Mid 6	2437	19.0800	18.8400	0.5
High 9	2452	17.9600	18.8400	0.5
High 10	2457	18.2800	18.6800	0.5
High 11	2462	18.7200	18.6400	0.5
High 12	2467	18.4800	18.6400	0.5
High 13	2472	18.0800	18.4400	0.5



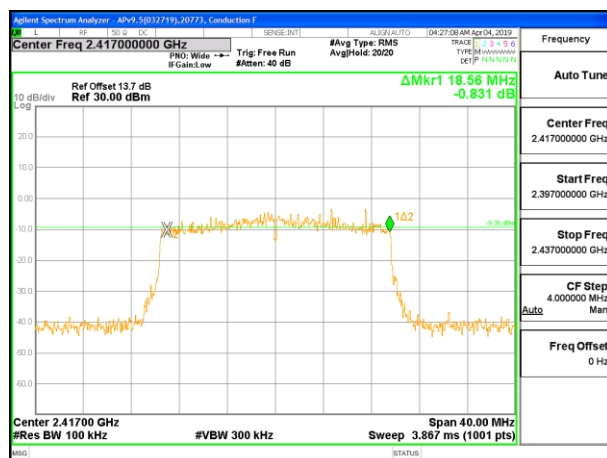
LOW CHANNEL 1 ANT 4



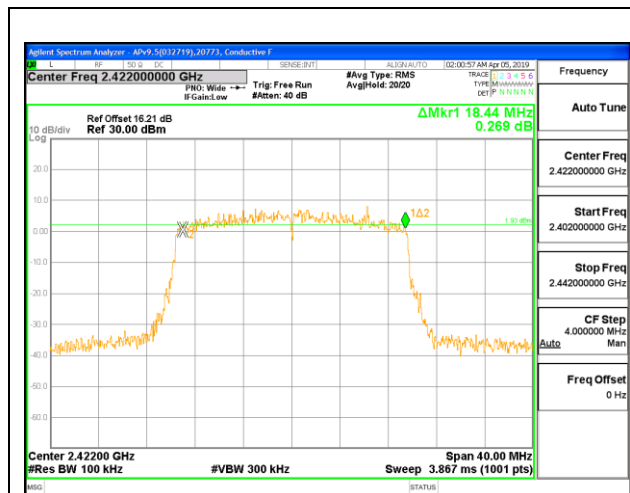
LOW CHANNEL 1 ANT 3



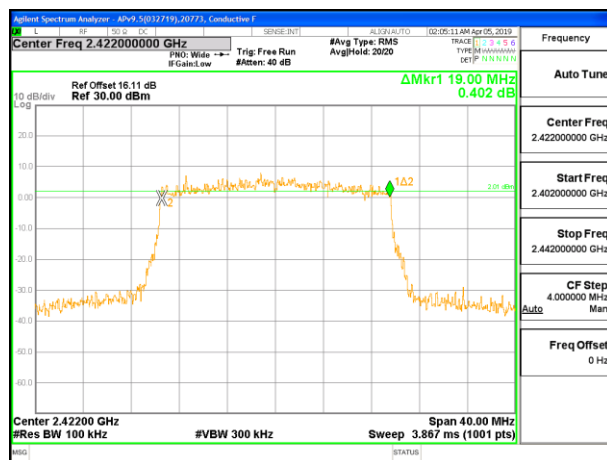
LOW CHANNEL 2 ANT 4



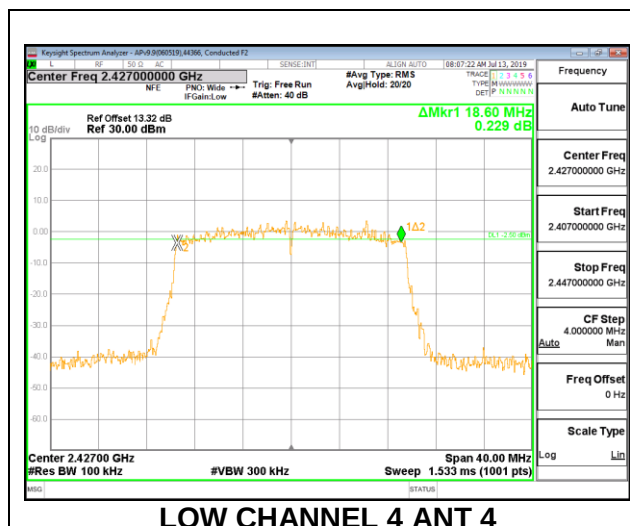
LOW CHANNEL 2 ANT 3



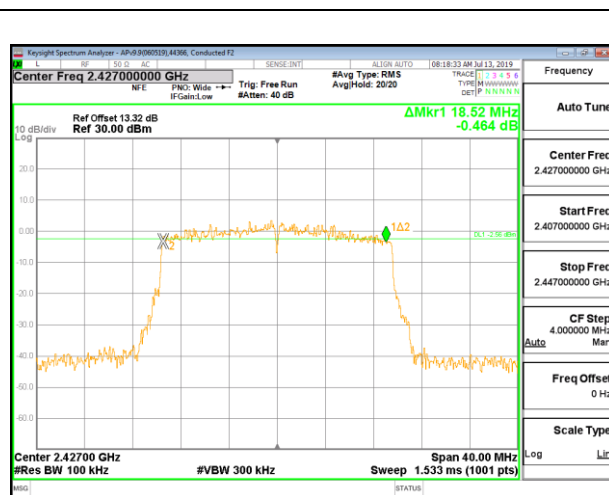
LOW CHANNEL 3 ANT 4



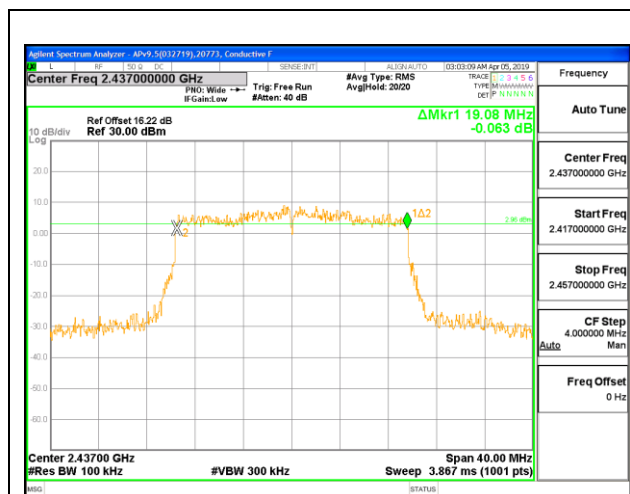
LOW CHANNEL 3 ANT 3



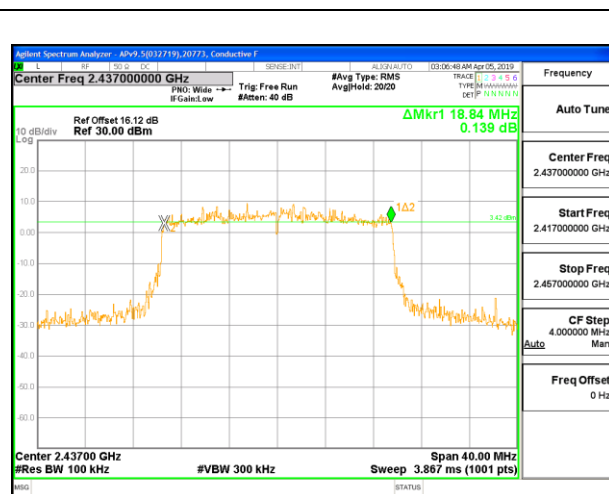
LOW CHANNEL 4 ANT 4



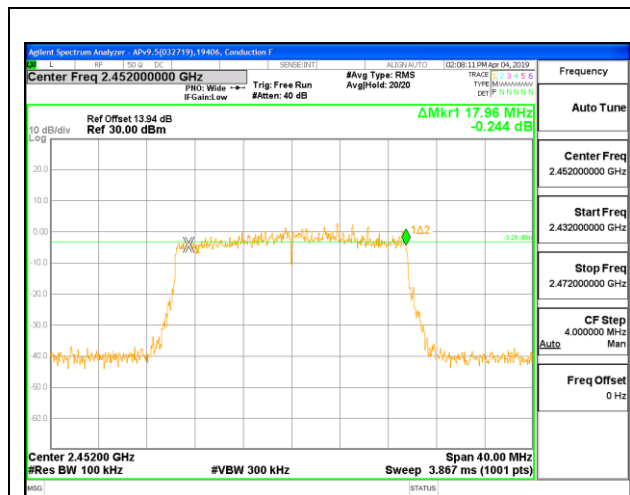
LOW CHANNEL 4 ANT 3



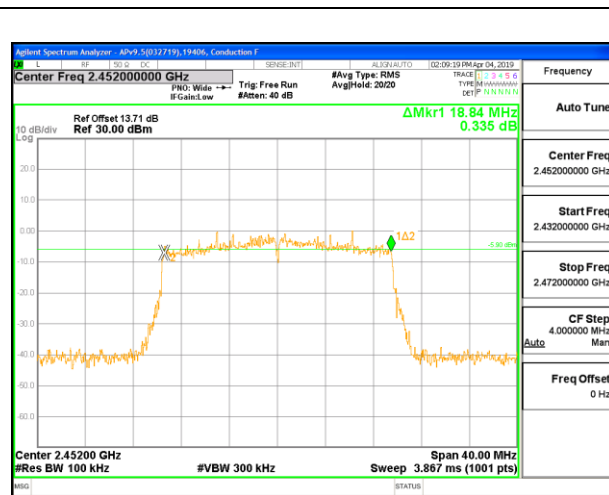
MID CHANNEL 6 ANT 4



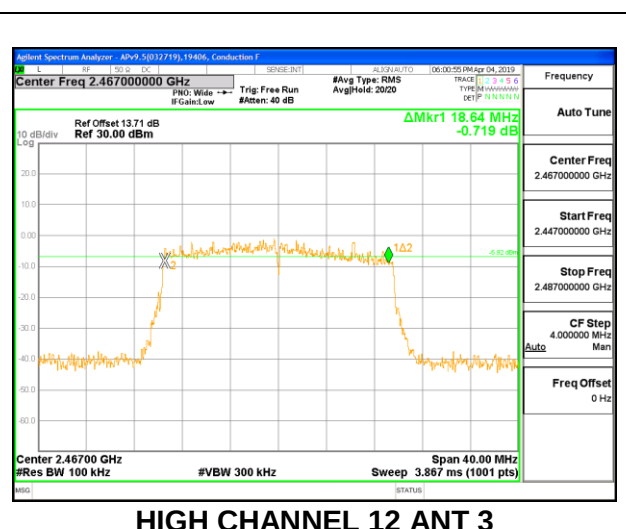
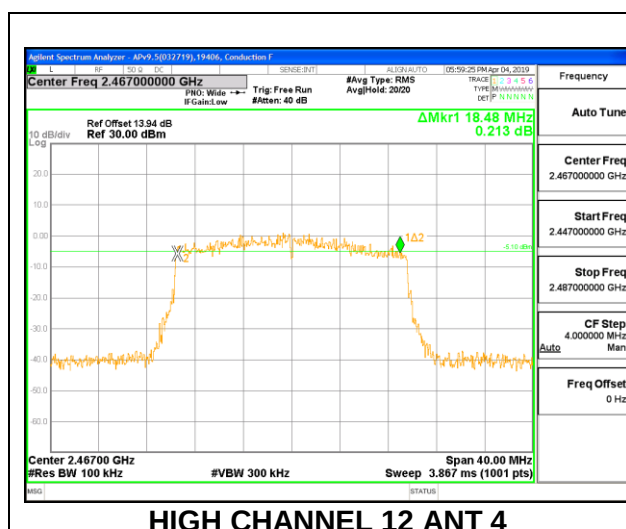
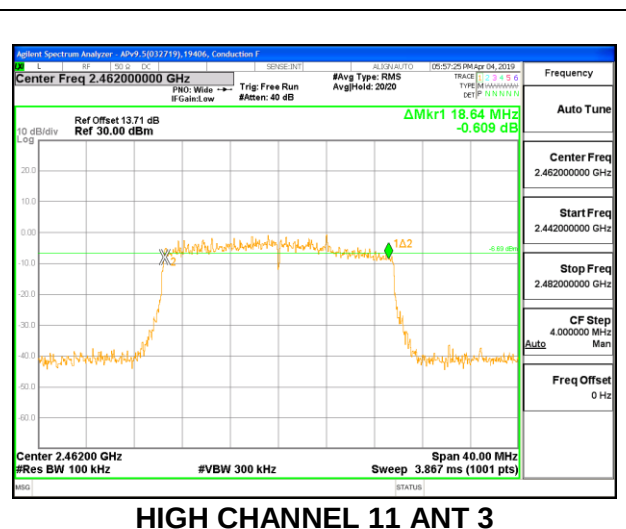
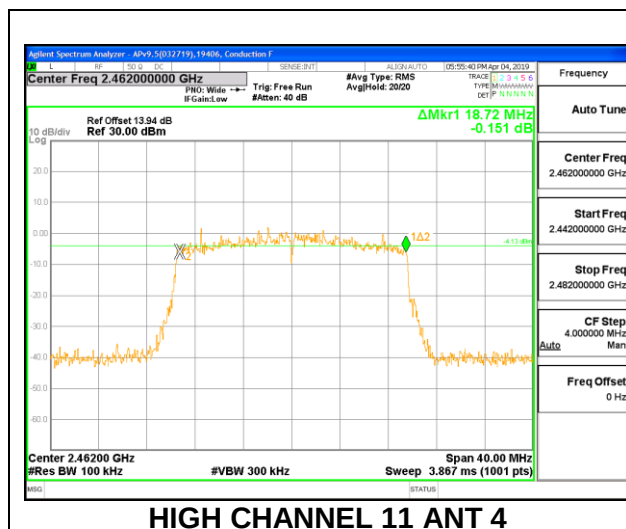
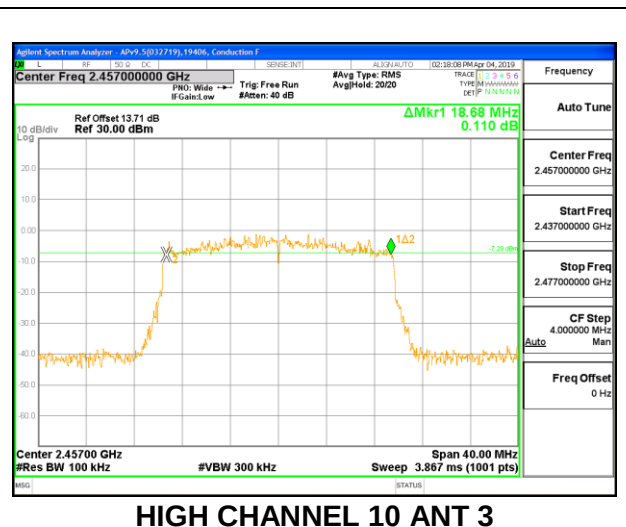
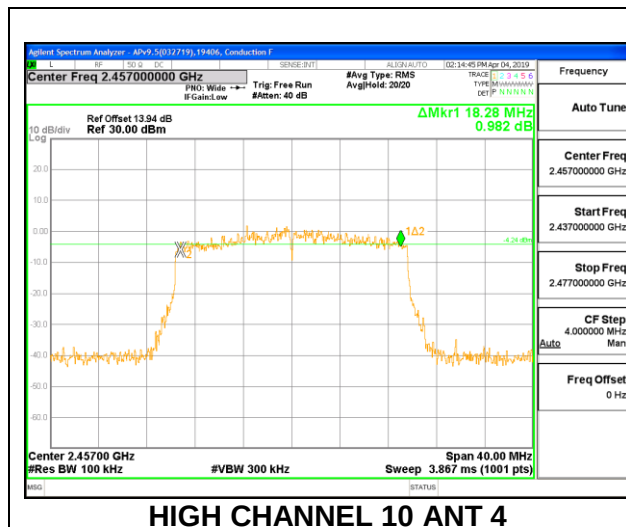
MID CHANNEL 6 ANT 3

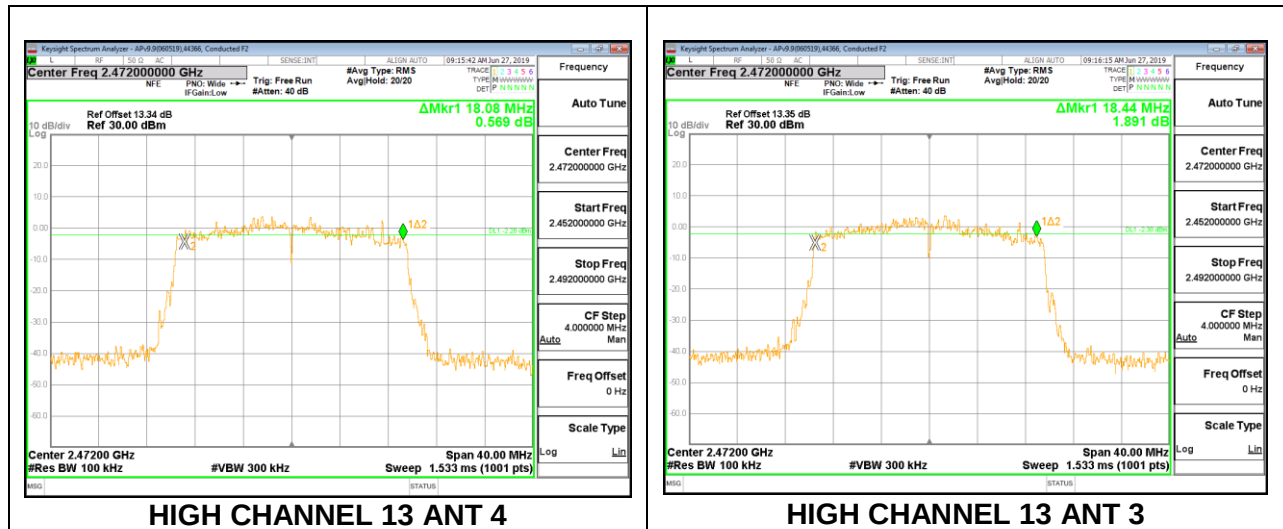


HIGH CHANNEL 9 ANT 4



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)	Chain 0 Antenna Gain (dBi)	Chain 1 Antenna Gain (dBi)	Uncorrelated Chains Directional Gain (dBi)	Correlated Chains Directional Gain (dBi)
2.4	-1.70	-1.90	-1.80	1.21

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	-1.70	30.00	30	36	30.00
Mid 6	2437	-1.70	30.00	30	36	30.00
High 11	2462	-1.70	30.00	30	36	30.00
High 12	2467	-1.70	30.00	30	36	30.00
High 13	2472	-1.70	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	18.36	18.36	30.00	-11.64
Mid 6	2437	18.42	18.42	30.00	-11.58
High 11	2462	18.30	18.30	30.00	-11.70
High 12	2467	18.35	18.35	30.00	-11.65
High 13	2472	17.68	17.68	30.00	-12.32

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	-1.90	30.00	30	36	30.00
Mid 6	2437	-1.90	30.00	30	36	30.00
High 11	2462	-1.90	30.00	30	36	30.00
High 12	2467	-1.90	30.00	30	36	30.00
High 13	2472	-1.90	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	20.21	20.21	30.00	-9.79
Mid 6	2437	21.12	21.12	30.00	-8.88
High 11	2462	21.08	21.08	30.00	-8.92
High 12	2467	20.14	20.14	30.00	-9.86
High 13	2472	17.70	17.70	30.00	-12.30

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	-1.70	30.00	30	36	30.00
Low 2	2417	-1.70	30.00	30	36	30.00
Low 3	2422	-1.70	30.00	30	36	30.00
Mid 6	2437	-1.70	30.00	30	36	30.00
High 9	2452	-1.70	30.00	30	36	30.00
High 10	2457	-1.70	30.00	30	36	30.00
High 11	2462	-1.70	30.00	30	36	30.00
High 12	2467	-1.70	30.00	30	36	30.00
High 13	2472	-1.70	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	17.20	17.20	30.00	-12.80
Low 2	2417	18.40	18.40	30.00	-11.60
Low 3	2422	18.42	18.42	30.00	-11.58
Mid 6	2437	18.44	18.44	30.00	-11.56
High 9	2452	18.35	18.35	30.00	-11.65
High 10	2457	18.33	18.33	30.00	-11.67
High 11	2462	17.19	17.19	30.00	-12.81
High 12	2467	15.23	15.23	30.00	-14.77
High 13	2472	7.22	7.22	30.00	-22.78

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	-1.90	30.00	30	36	30.00
Low 2	2417	-1.90	30.00	30	36	30.00
Low 3	2422	-1.90	30.00	30	36	30.00
Mid 6	2437	-1.90	30.00	30	36	30.00
High 9	2452	-1.90	30.00	30	36	30.00
High 10	2457	-1.90	30.00	30	36	30.00
High 11	2462	-1.90	30.00	30	36	30.00
High 12	2467	-1.90	30.00	30	36	30.00
High 13	2472	-1.90	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	17.18	17.18	30.00	-12.82
Low 2	2417	19.17	19.17	30.00	-10.83
Low 3	2422	21.22	21.22	30.00	-8.78
Mid 6	2437	21.16	21.16	30.00	-8.84
High 9	2452	21.14	21.14	30.00	-8.86
High 10	2457	19.21	19.21	30.00	-10.79
High 11	2462	17.22	17.22	30.00	-12.78
High 12	2467	15.21	15.21	30.00	-14.79
High 13	2472	7.20	7.20	30.00	-22.80

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	-1.80	30.00	36	30.00
Low 2	2417	-1.80	30.00	36	30.00
Low 3	2422	-1.80	30.00	36	30.00
Mid 6	2437	-1.80	30.00	36	30.00
High 9	2452	-1.80	30.00	36	30.00
High 10	2457	-1.80	30.00	36	30.00
High 11	2462	-1.80	30.00	36	30.00
High 12	2467	-1.80	30.00	36	30.00
High 13	2472	-1.80	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	16.23	16.18	19.22	30.00	-10.78
Low 2	2417	18.20	18.19	21.21	30.00	-8.79
Low 3	2422	18.36	19.72	22.10	30.00	-7.90
Mid 6	2437	18.46	21.23	23.07	30.00	-6.93
High 9	2452	18.35	19.19	21.80	30.00	-8.20
High 10	2457	18.19	18.22	21.22	30.00	-8.78
High 11	2462	16.12	16.16	19.15	30.00	-10.85
High 12	2467	13.67	13.69	16.69	30.00	-13.31
High 13	2472	5.18	5.21	8.21	30.00	-21.79

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	-1.70	30.00	30	36	30.00
Low 2	2417	-1.70	30.00	30	36	30.00
Low 3	2422	-1.70	30.00	30	36	30.00
Mid 6	2437	-1.70	30.00	30	36	30.00
High 9	2452	-1.70	30.00	30	36	30.00
High 10	2457	-1.70	30.00	30	36	30.00
High 11	2462	-1.70	30.00	30	36	30.00
High 12	2467	-1.70	30.00	30	36	30.00
High 13	2472	-1.70	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	15.67	15.67	30.00	-14.33
Low 2	2417	17.68	17.68	30.00	-12.32
Low 3	2422	18.38	18.38	30.00	-11.62
Mid 6	2437	18.42	18.42	30.00	-11.58
High 9	2452	18.37	18.37	30.00	-11.63
High 10	2457	17.68	17.68	30.00	-12.32
High 11	2462	15.72	15.72	30.00	-14.28
High 12	2467	13.71	13.71	30.00	-16.29
High 13	2472	-0.34	-0.34	30.00	-30.34

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	-1.70	30.00	30	36	30.00
Low 2	2417	-1.70	30.00	30	36	30.00
Low 3	2422	-1.70	30.00	30	36	30.00
Mid 6	2437	-1.70	30.00	30	36	30.00
High 9	2452	-1.70	30.00	30	36	30.00
High 10	2457	-1.70	30.00	30	36	30.00
High 11	2462	-1.70	30.00	30	36	30.00
High 12	2467	-1.70	30.00	30	36	30.00
High 13	2472	-1.70	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	15.63	15.63	30.00	-14.37
Low 2	2417	17.58	17.58	30.00	-12.42
Low 3	2422	18.40	18.40	30.00	-11.60
Mid 6	2437	18.43	18.43	30.00	-11.57
High 9	2452	18.38	18.38	30.00	-11.62
High 10	2457	17.65	17.65	30.00	-12.35
High 11	2462	15.67	15.67	30.00	-14.33
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 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	-1.70	30.00	30	36	30.00
Low 2	2417	-1.70	30.00	30	36	30.00
Low 3	2422	-1.70	30.00	30	36	30.00
Mid 6	2437	-1.70	30.00	30	36	30.00
High 9	2452	-1.70	30.00	30	36	30.00
High 10	2457	-1.70	30.00	30	36	30.00
High 11	2462	-1.70	30.00	30	36	30.00
High 12	2467	-1.70	30.00	30	36	30.00
High 13	2472	-1.70	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	17.58	17.58	30.00	-12.42
Low 3	2422	18.40	18.40	30.00	-11.60
Mid 6	2437	18.45	18.45	30.00	-11.55
High 9	2452	18.43	18.43	30.00	-11.57
High 10	2457	17.65	17.65	30.00	-12.35
High 11	2462	15.65	15.65	30.00	-14.35
High 12	2467	13.67	13.67	30.00	-16.33
High 13	2472	-0.28	-0.28	30.00	-30.28

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	-1.70	30.00	30	36	30.00
Low 2	2417	-1.70	30.00	30	36	30.00
Low 3	2422	-1.70	30.00	30	36	30.00
Mid 6	2437	-1.70	30.00	30	36	30.00
High 9	2452	-1.70	30.00	30	36	30.00
High 10	2457	-1.70	30.00	30	36	30.00
High 11	2462	-1.70	30.00	30	36	30.00
High 12	2467	-1.70	30.00	30	36	30.00
High 13	2472	-1.70	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	15.67	15.67	30.00	-14.33
Low 2	2417	17.74	17.74	30.00	-12.26
Low 3	2422	18.40	18.40	30.00	-11.60
Mid 6	2437	18.45	18.45	30.00	-11.55
High 9	2452	18.38	18.38	30.00	-11.62
High 10	2457	17.72	17.72	30.00	-12.28
High 11	2462	15.70	15.70	30.00	-14.30
High 12	2467	13.65	13.65	30.00	-16.35
High 13	2472	6.14	6.14	30.00	-23.86

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	-1.90	30.00	30	36	30.00
Low 2	2417	-1.90	30.00	30	36	30.00
Low 3	2422	-1.90	30.00	30	36	30.00
Mid 6	2437	-1.90	30.00	30	36	30.00
High 9	2452	-1.90	30.00	30	36	30.00
High 10	2457	-1.90	30.00	30	36	30.00
High 11	2462	-1.90	30.00	30	36	30.00
High 12	2467	-1.90	30.00	30	36	30.00
High 13	2472	-1.90	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	15.70	15.70	30.00	-14.30
Low 2	2417	17.64	17.64	30.00	-12.36
Low 3	2422	21.10	21.10	30.00	-8.90
Mid 6	2437	21.15	21.15	30.00	-8.85
High 9	2452	21.13	21.13	30.00	-8.87
High 10	2457	17.67	17.67	30.00	-12.33
High 11	2462	15.67	15.67	30.00	-14.33
High 12	2467	13.66	13.66	30.00	-16.34
High 13	2472	-0.31	-0.31	30.00	-30.31

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	-1.90	30.00	30	36	30.00
Low 2	2417	-1.90	30.00	30	36	30.00
Low 3	2422	-1.90	30.00	30	36	30.00
Mid 6	2437	-1.90	30.00	30	36	30.00
High 9	2452	-1.90	30.00	30	36	30.00
High 10	2457	-1.90	30.00	30	36	30.00
High 11	2462	-1.90	30.00	30	36	30.00
High 12	2467	-1.90	30.00	30	36	30.00
High 13	2472	-1.90	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	15.60	15.60	30.00	-14.40
Low 2	2417	17.72	17.72	30.00	-12.28
Low 3	2422	21.20	21.20	30.00	-8.80
Mid 6	2437	21.13	21.13	30.00	-8.87
High 9	2452	21.15	21.15	30.00	-8.85
High 10	2457	17.70	17.70	30.00	-12.30
High 11	2462	15.55	15.55	30.00	-14.45
High 12	2467	13.69	13.69	30.00	-16.31
High 13	2472	-0.39	-0.39	30.00	-30.39

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	-1.90	30.00	30	36	30.00
Low 2	2417	-1.90	30.00	30	36	30.00
Low 3	2422	-1.90	30.00	30	36	30.00
Mid 6	2437	-1.90	30.00	30	36	30.00
High 9	2452	-1.90	30.00	30	36	30.00
High 10	2457	-1.90	30.00	30	36	30.00
High 11	2462	-1.90	30.00	30	36	30.00
High 12	2467	-1.90	30.00	30	36	30.00
High 13	2472	-1.90	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	15.66	15.66	30.00	-14.34
Low 2	2417	17.65	17.65	30.00	-12.35
Low 3	2422	21.11	21.11	30.00	-8.89
Mid 6	2437	21.16	21.16	30.00	-8.84
High 9	2452	21.12	21.12	30.00	-8.88
High 10	2457	17.63	17.63	30.00	-12.37
High 11	2462	15.70	15.70	30.00	-14.30
High 12	2467	13.71	13.71	30.00	-16.29
High 13	2472	-0.32	-0.32	30.00	-30.32

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	-1.90	30.00	30	36	30.00
Low 2	2417	-1.90	30.00	30	36	30.00
Low 3	2422	-1.90	30.00	30	36	30.00
Mid 6	2437	-1.90	30.00	30	36	30.00
High 9	2452	-1.90	30.00	30	36	30.00
High 10	2457	-1.90	30.00	30	36	30.00
High 11	2462	-1.90	30.00	30	36	30.00
High 12	2467	-1.90	30.00	30	36	30.00
High 13	2472	-1.90	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	15.62	15.62	30.00	-14.38
Low 2	2417	17.63	17.63	30.00	-12.37
Low 3	2422	21.16	21.16	30.00	-8.84
Mid 6	2437	21.21	21.21	30.00	-8.79
High 9	2452	21.18	21.18	30.00	-8.82
High 10	2457	17.65	17.65	30.00	-12.35
High 11	2462	15.55	15.55	30.00	-14.45
High 12	2467	13.70	13.70	30.00	-16.30
High 13	2472	6.18	6.18	30.00	-23.82

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	-1.80	30.00	36	30.00
Low 2	2417	-1.80	30.00	36	30.00
Low 3	2422	-1.80	30.00	36	30.00
Low 4	2427	-1.80	30.00	36	30.00
Mid 6	2437	-1.80	30.00	36	30.00
High 9	2452	-1.80	30.00	36	30.00
High 10	2457	-1.80	30.00	36	30.00
High 11	2462	-1.80	30.00	36	30.00
High 12	2467	-1.80	30.00	36	30.00
High 13	2472	-1.80	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	14.58	14.62	17.61	30.00	-12.39
Low 2	2417	16.73	16.55	19.65	30.00	-10.35
Low 3	2422	18.40	18.60	21.51	30.00	-8.49
Low 4	2427	18.36	19.72	22.10	30.00	-7.90
Mid 6	2437	18.42	19.74	22.14	30.00	-7.86
High 9	2452	18.20	18.14	21.18	30.00	-8.82
High 10	2457	16.58	16.71	19.66	30.00	-10.34
High 11	2462	14.61	14.67	17.65	30.00	-12.35
High 12	2467	12.67	12.64	15.67	30.00	-14.33
High 13	2472	-0.35	-0.28	2.70	30.00	-27.30

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	-1.80	30.00	36	30.00
Low 2	2417	-1.80	30.00	36	30.00
Low 3	2422	-1.80	30.00	36	30.00
Low 4	2427	-1.80	30.00	36	30.00
Mid 6	2437	-1.80	30.00	36	30.00
High 9	2452	-1.80	30.00	36	30.00
High 10	2457	-1.80	30.00	36	30.00
High 11	2462	-1.80	30.00	36	30.00
High 12	2467	-1.80	30.00	36	30.00
High 13	2472	-1.80	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	14.70	17.72	30.00	-12.28
Low 2	2417	16.61	16.65	19.64	30.00	-10.36
Low 3	2422	18.35	18.69	21.53	30.00	-8.47
Low 4	2427	18.32	19.65	22.05	30.00	-7.95
Mid 6	2437	18.41	19.72	22.12	30.00	-7.88
High 9	2452	18.09	18.18	21.15	30.00	-8.85
High 10	2457	16.58	16.58	19.59	30.00	-10.41
High 11	2462	14.53	14.57	17.56	30.00	-12.44
High 12	2467	12.62	12.67	15.66	30.00	-14.34
High 13	2472	-0.28	-0.42	2.66	30.00	-27.34

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	-1.80	30.00	36	30.00
Low 2	2417	-1.80	30.00	36	30.00
Low 3	2422	-1.80	30.00	36	30.00
Low 4	2427	-1.80	30.00	36	30.00
Mid 6	2437	-1.80	30.00	36	30.00
High 9	2452	-1.80	30.00	36	30.00
High 10	2457	-1.80	30.00	36	30.00
High 11	2462	-1.80	30.00	36	30.00
High 12	2467	-1.80	30.00	36	30.00
High 13	2472	-1.80	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	14.52	14.53	17.54	30.00	-12.46
Low 2	2417	16.74	16.72	19.74	30.00	-10.26
Low 3	2422	18.38	18.64	21.52	30.00	-8.48
Low 4	2427	18.36	19.62	22.05	30.00	-7.95
Mid 6	2437	18.42	19.68	22.11	30.00	-7.89
High 9	2452	18.11	18.17	21.15	30.00	-8.85
High 10	2457	16.58	16.55	19.58	30.00	-10.42
High 11	2462	14.67	14.71	17.70	30.00	-12.30
High 12	2467	12.63	12.57	15.61	30.00	-14.39
High 13	2472	-0.39	-0.31	2.66	30.00	-27.34

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	-1.80	30.00	36	30.00
Low 2	2417	-1.80	30.00	36	30.00
Low 3	2422	-1.80	30.00	36	30.00
Low 4	2427	-1.80	30.00	36	30.00
Mid 6	2437	-1.80	30.00	36	30.00
High 9	2452	-1.80	30.00	36	30.00
High 10	2457	-1.80	30.00	36	30.00
High 11	2462	-1.80	30.00	36	30.00
High 12	2467	-1.80	30.00	36	30.00
High 13	2472	-1.80	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	14.62	14.74	17.69	30.00	-12.31
Low 2	2417	16.67	16.69	19.69	30.00	-10.31
Low 3	2422	18.36	18.62	21.50	30.00	-8.50
Low 4	2427	18.28	21.08	22.91	30.00	-7.09
Mid 6	2437	18.40	21.22	23.05	30.00	-6.95
High 9	2452	18.23	18.18	21.22	30.00	-8.78
High 10	2457	16.67	16.63	19.66	30.00	-10.34
High 11	2462	14.68	14.71	17.71	30.00	-12.29
High 12	2467	12.66	12.61	15.65	30.00	-14.35
High 13	2472	4.12	4.06	7.10	30.00	-22.90

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

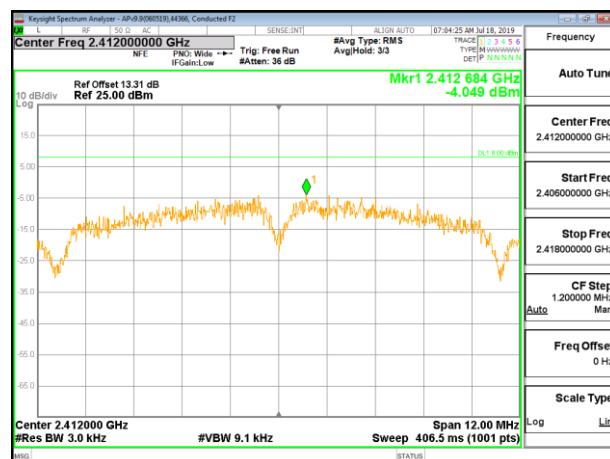
8.5.1. 802.11b MODE

1TX Antenna 4 MODE

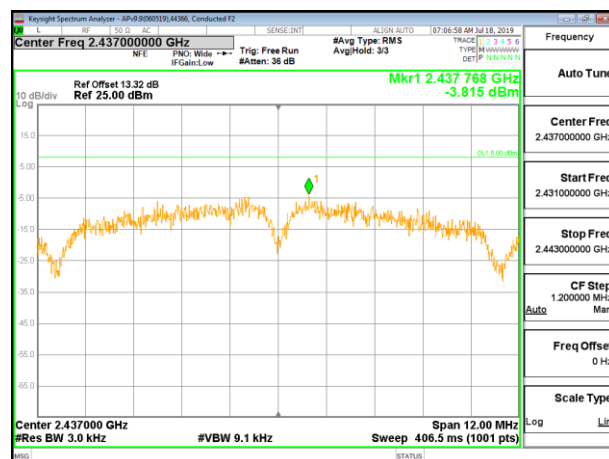
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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PSD Results

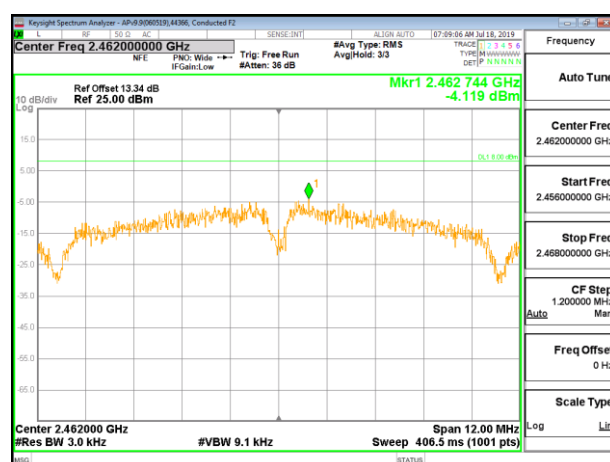
Channel	Frequency (MHz)	Antenna 4 Meas (dBm/ 3kHz)	Total Corr'd PSD (dBm/ 3kHz)	Limit (dBm/ 3kHz)	Margin (dB)
Low 1	2412	-4.049	-4.05	8.0	-12.0
Mid 6	2437	-3.815	-3.82	8.0	-11.8
High 11	2462	-4.119	-4.12	8.0	-12.1
High 12	2467	-4.088	-4.09	8.0	-12.1
High 13	2472	-4.601	-4.60	8.0	-12.6



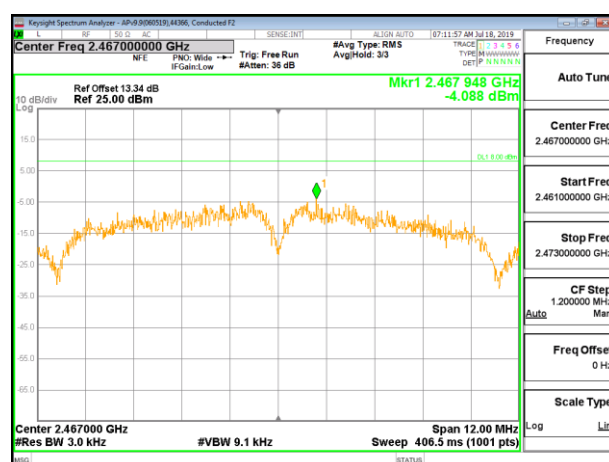
LOW CHANNEL 1



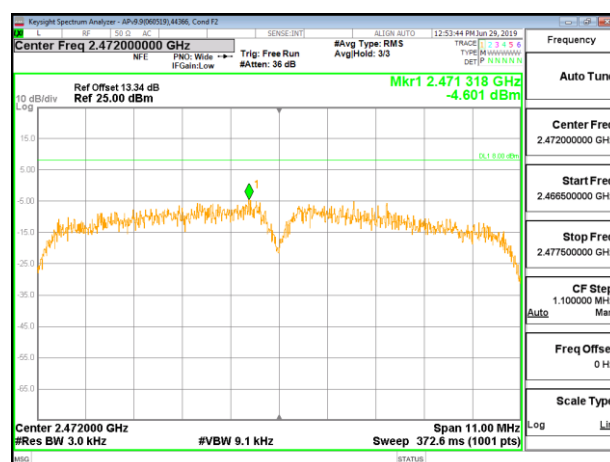
MID CHANNEL 6



HIGH CHANNEL 11



HIGH CHANNEL 12



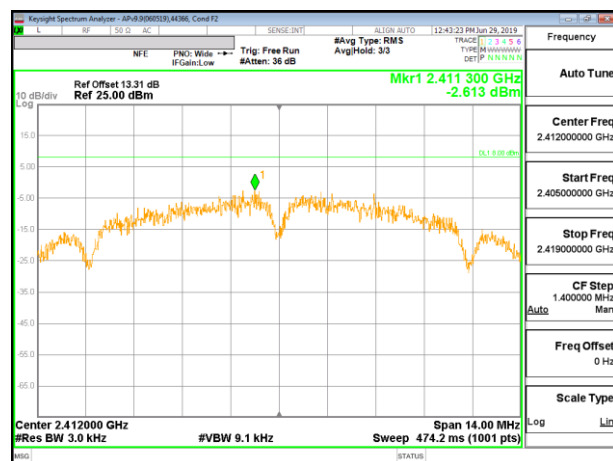
HIGH CHANNEL 13

1TX Antenna 3 MODE

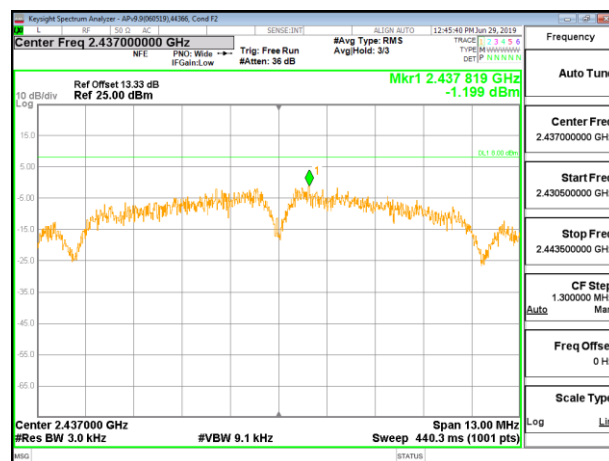
Duty Cycle CF (dB)	0.00	Included in Calculations of Corr'd PSD
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PSD Results

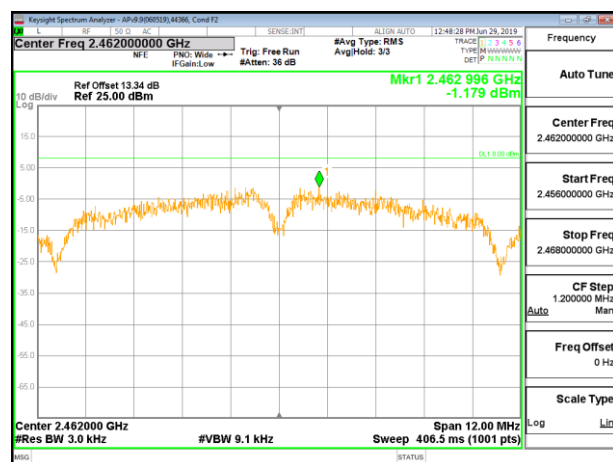
Channel	Frequency (MHz)	Antenna 3 Meas (dBm/ 3kHz)	Total Corr'd PSD (dBm/ 3kHz)	Limit (dBm/ 3kHz)	Margin (dB)
Low 1	2412	-2.613	-2.61	8.0	-10.6
Mid 6	2437	-1.199	-1.20	8.0	-9.2
High 11	2462	-1.179	-1.18	8.0	-9.2
High 12	2467	-2.732	-2.73	8.0	-10.7
High 13	2472	-4.543	-4.54	8.0	-12.5



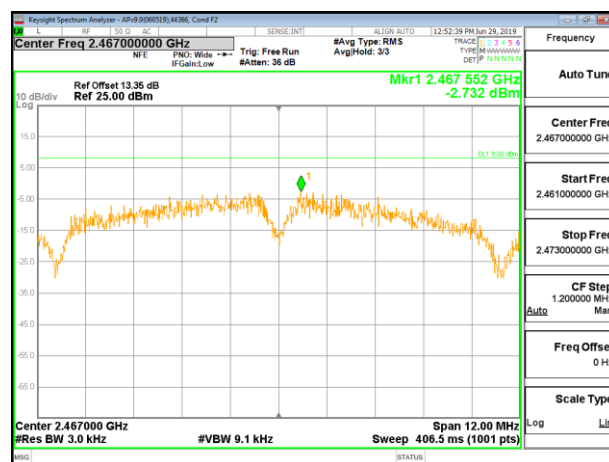
LOW CHANNEL 1



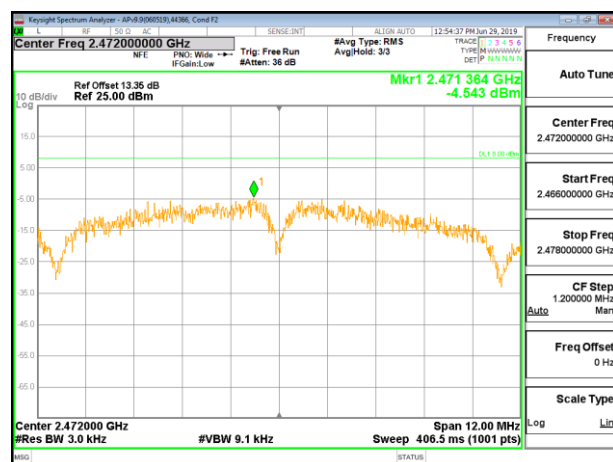
MID CHANNEL 6



HIGH CHANNEL 11



HIGH CHANNEL 12

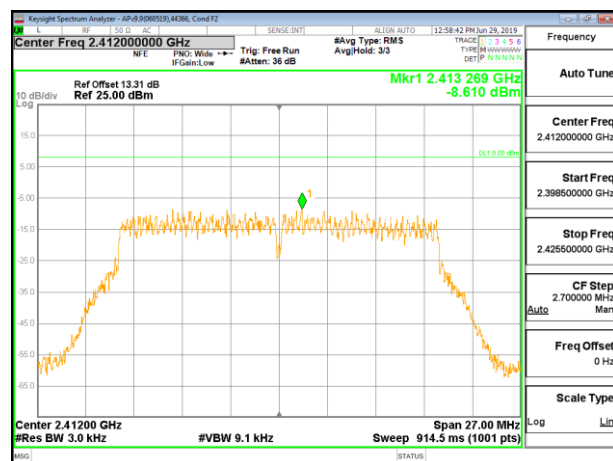


HIGH CHANNEL 13

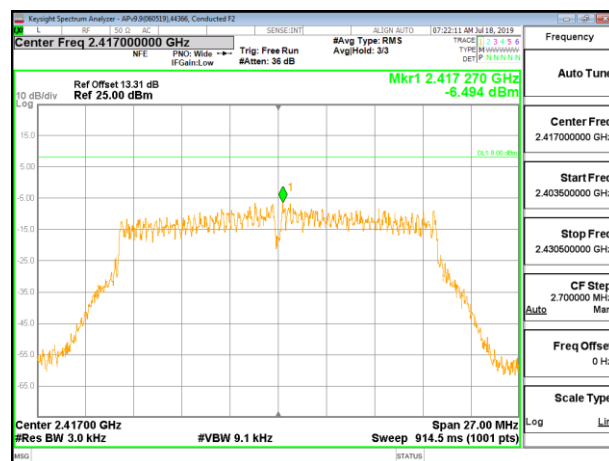
8.5.2. 802.11n HT20 MODE

1TX Antenna 4 MODE

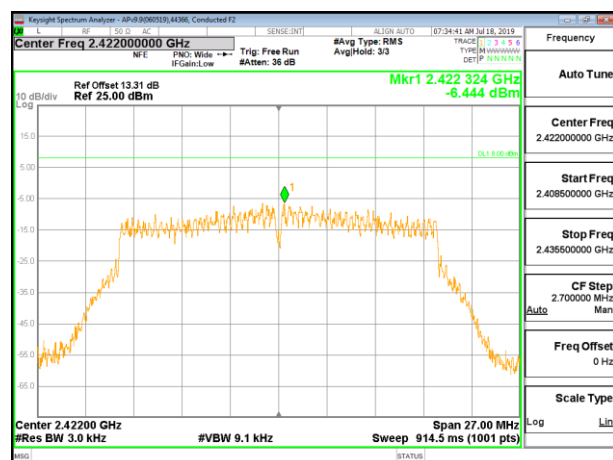
Duty Cycle CF (dB)		0.00	Included in Calculations of Corr'd PSD		
PSD Results					
Channel	Frequency (MHz)	Antenna 4 Meas (dBm/ 3kHz)	Total Corr'd PSD (dBm/ 3kHz)	Limit (dBm/ 3kHz)	Margin (dB)
Low 1	2412	-8.610	-8.61	8.0	-16.6
Low 2	2417	-6.494	-6.49	8.0	-14.5
Low 3	2422	-6.444	-6.44	8.0	-14.4
Mid 6	2437	-6.438	-6.44	8.0	-14.4
High 9	2452	-6.528	-6.53	8.0	-14.5
High 10	2457	-6.582	-6.58	8.0	-14.6
High 11	2462	-8.744	-8.74	8.0	-16.7
High 12	2467	-9.437	-9.44	8.0	-17.4
High 13	2472	-16.920	-16.92	8.0	-24.9



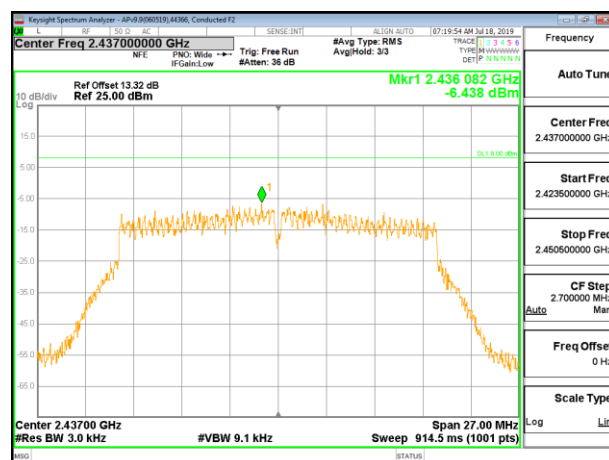
LOW CHANNEL 1



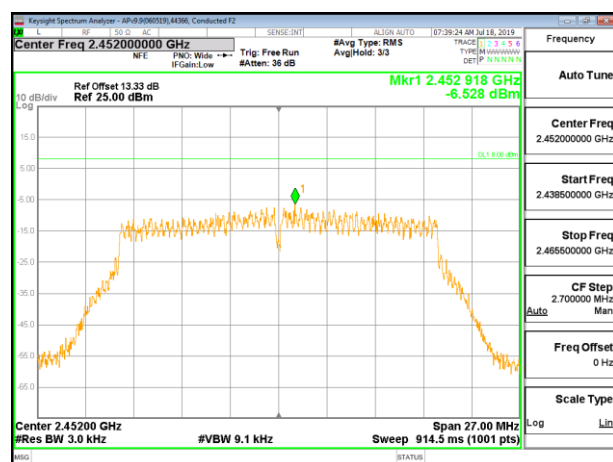
LOW CHANNEL 2



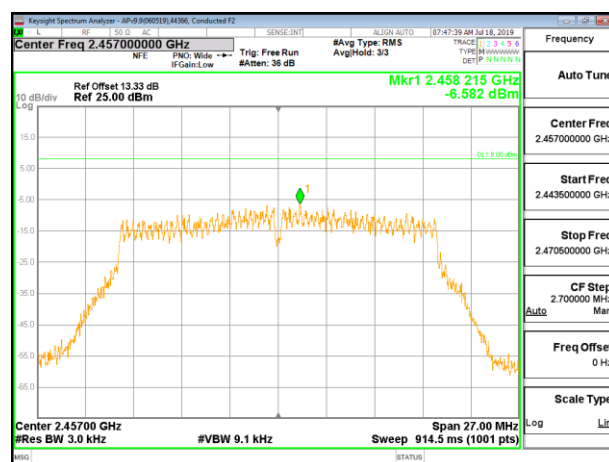
LOW CHANNEL 3



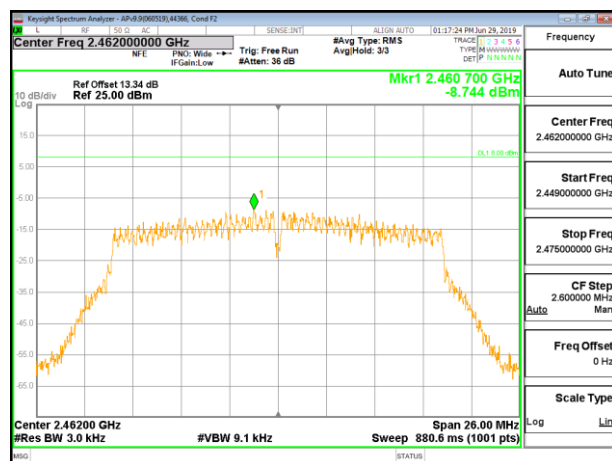
MID CHANNEL 6



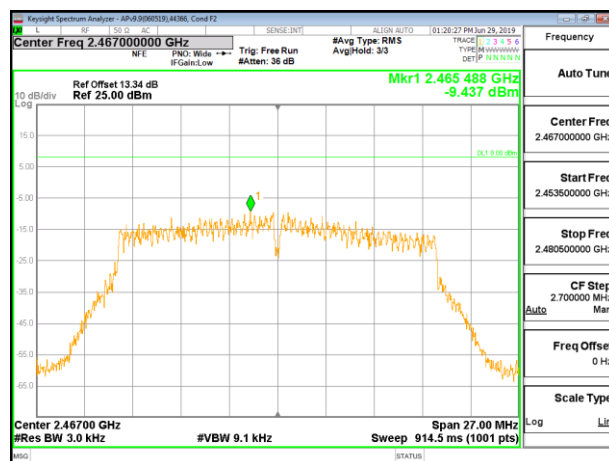
HIGH CHANNEL 9



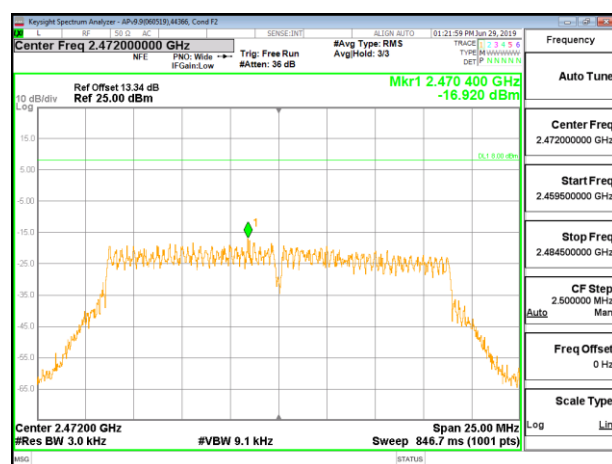
HIGH CHANNEL 10



HIGH CHANNEL 11



HIGH CHANNEL 12



HIGH CHANNEL 13

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)	Antenna 3 Meas (dBm/ 3kHz)	Total Corr'd PSD (dBm/ 3kHz)	Limit (dBm/ 3kHz)	Margin (dB)
Low 1	2412	-8.714	-8.71	8.0	-16.7
Low 2	2417	-5.498	-5.50	8.0	-13.5
Low 3	2422	-3.312	-3.31	8.0	-11.3
Mid 6	2437	-3.398	-3.40	8.0	-11.4
High 9	2452	-3.353	-3.35	8.0	-11.4
High 10	2457	-5.415	-5.42	8.0	-13.4
High 11	2462	-8.578	-8.58	8.0	-16.6
High 12	2467	-9.489	-9.49	8.0	-17.5
High 13	2472	-16.936	-16.94	8.0	-24.9