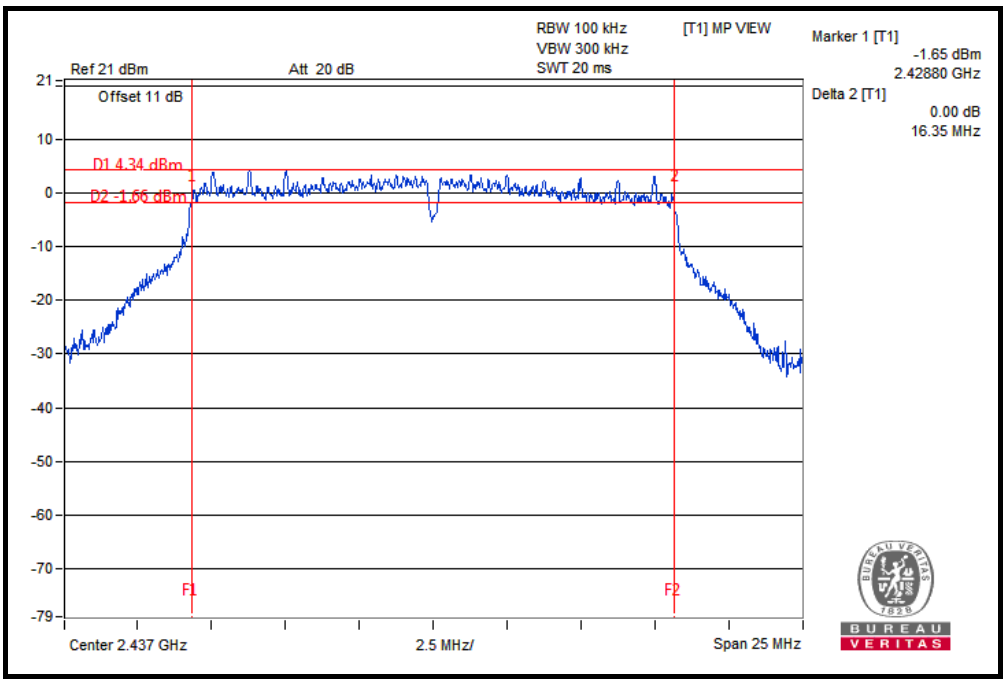
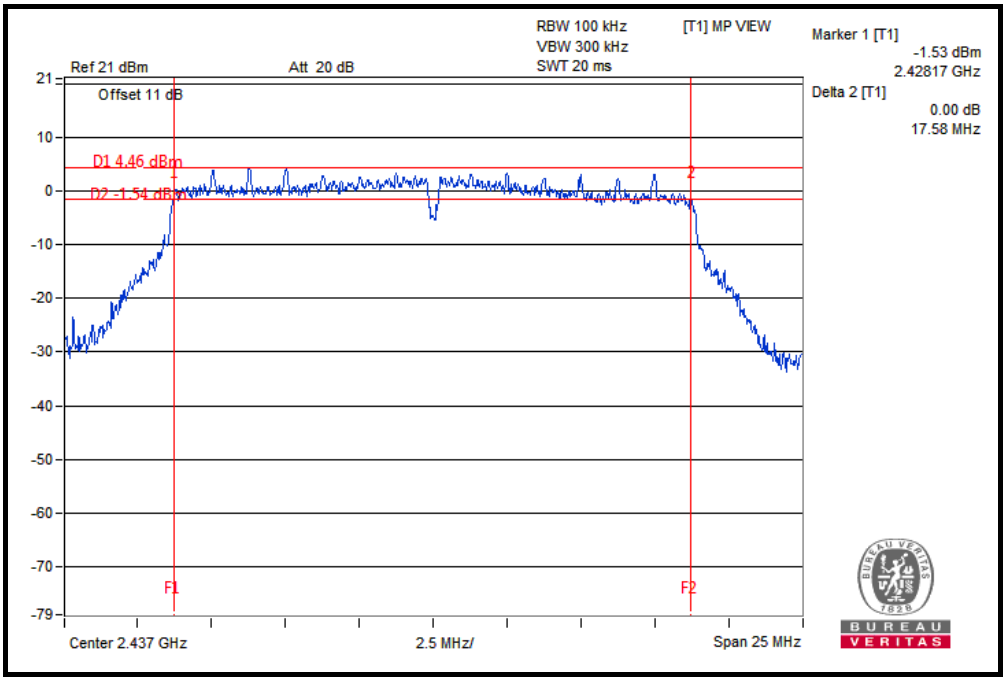
802.11g

CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)	MINIMUM LIMIT (MHz)	PASS / FAIL
1	2412	15.72	0.5	PASS
6	2437	16.35	0.5	PASS
11	2462	16.07	0.5	PASS



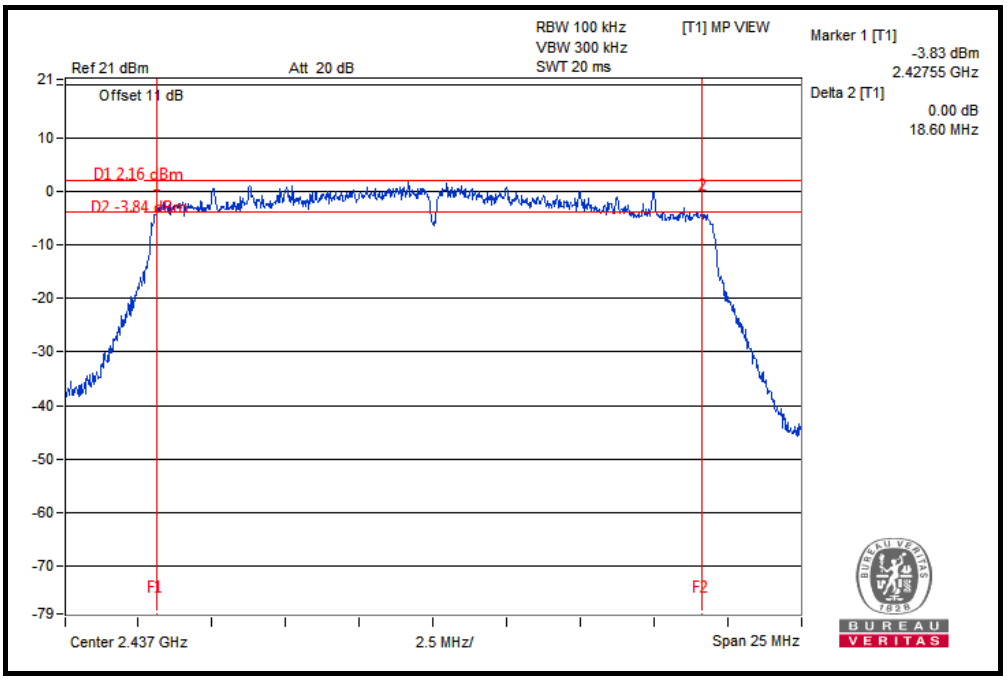
802.11n (20MHz)

CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)	MINIMUM LIMIT (MHz)	PASS / FAIL
1	2412	16.35	0.5	PASS
6	2437	17.58	0.5	PASS
11	2462	16.35	0.5	PASS



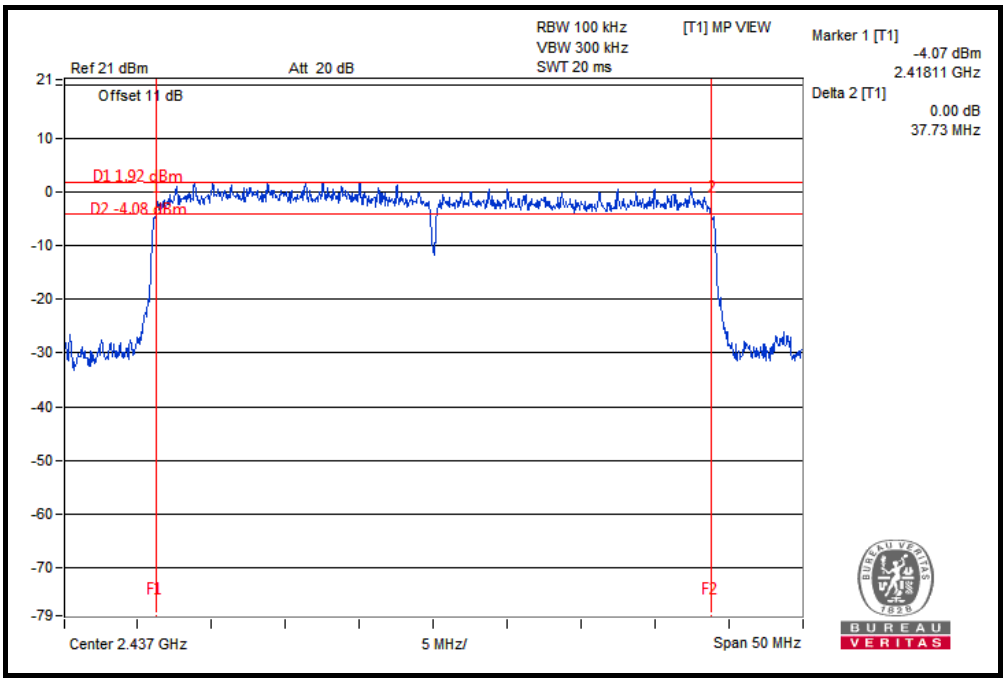
802.11ax (20MHz)

CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)	MINIMUM LIMIT (MHz)	PASS / FAIL
1	2412	17.04	0.5	PASS
6	2437	18.60	0.5	PASS
11	2462	18.39	0.5	PASS



802.11n (40MHz)

CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)	MINIMUM LIMIT (MHz)	PASS / FAIL
3	2422	36.16	0.5	PASS
6	2437	37.73	0.5	PASS
9	2452	37.72	0.5	PASS

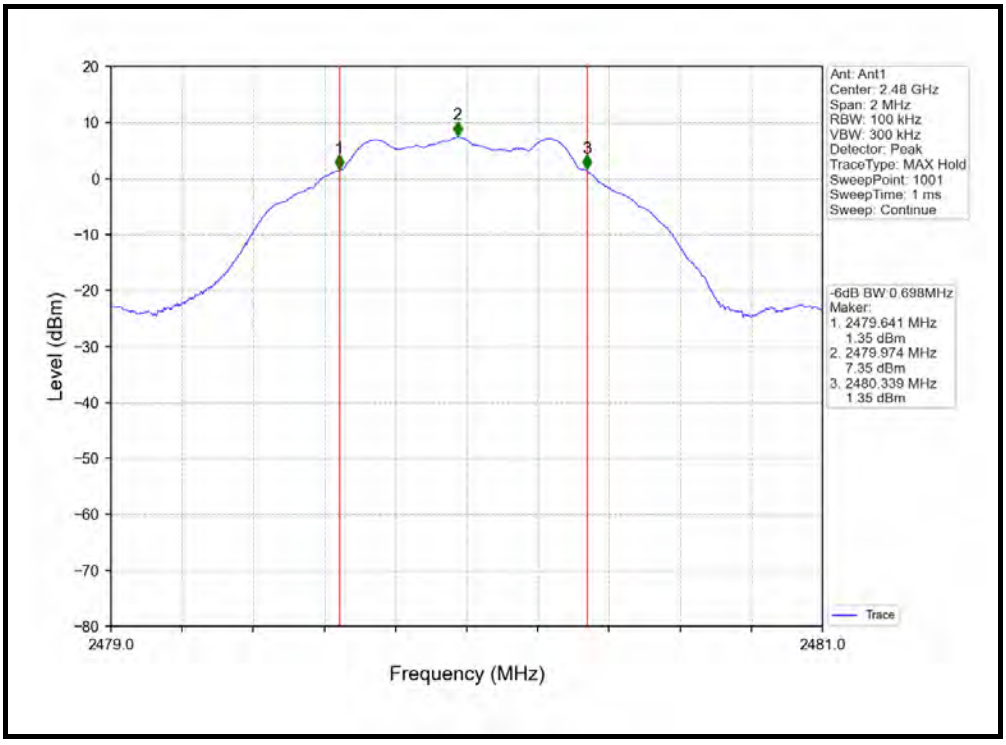


802.11ax (40MHz)

CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)	MINIMUM LIMIT (MHz)	PASS / FAIL
3	2422	36.683	0.5	PASS
6	2437	38.719	0.5	PASS
9	2452	36.613	0.5	PASS

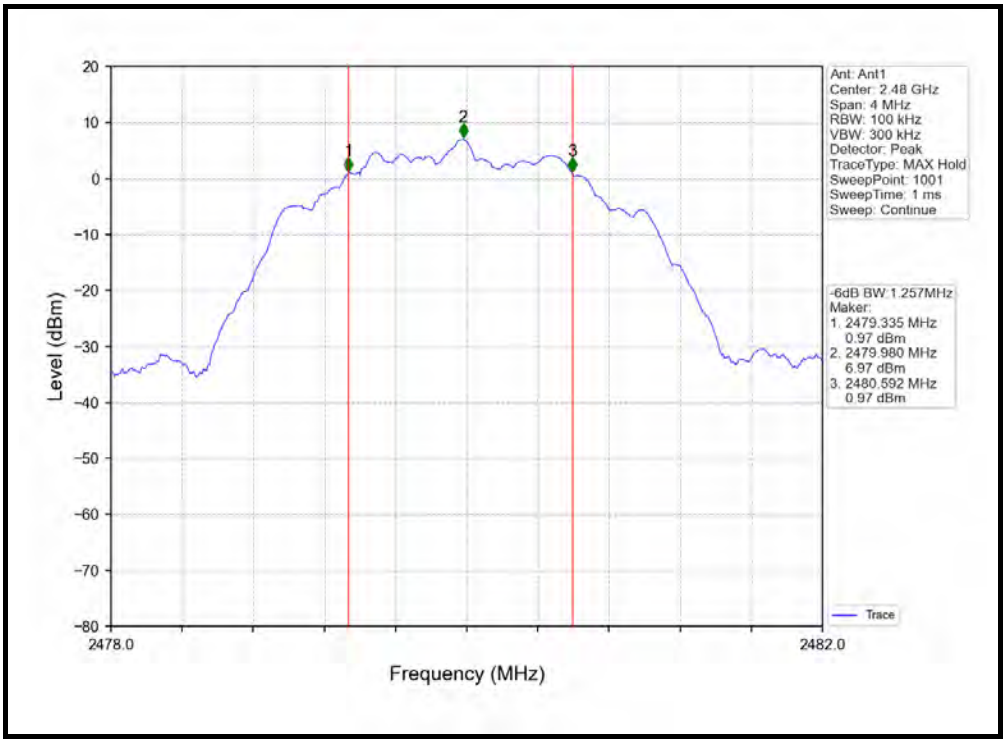
BT-LE (1MHz)

CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)	MINIMUM LIMIT (MHz)	PASS / FAIL
0	2402	0.698	0.5	PASS
19	2440	0.691	0.5	PASS
39	2480	0.698	0.5	PASS



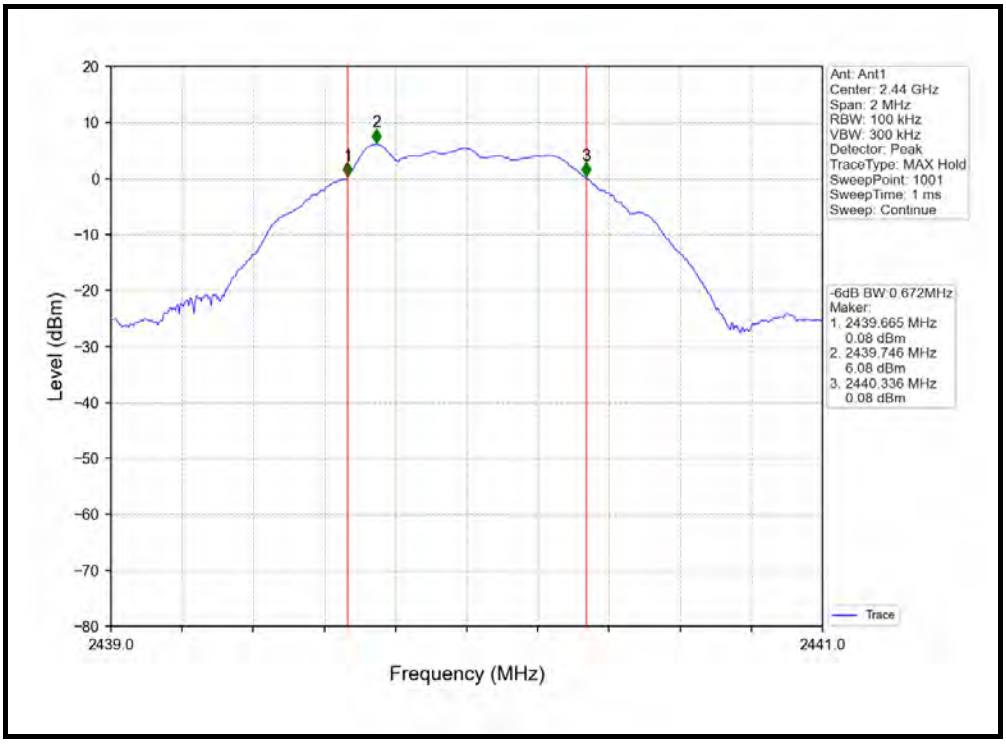
BT-LE (2MHz)

CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)	MINIMUM LIMIT (MHz)	PASS / FAIL
0	2402	1.242	0.5	PASS
19	2440	1.248	0.5	PASS
39	2480	1.257	0.5	PASS



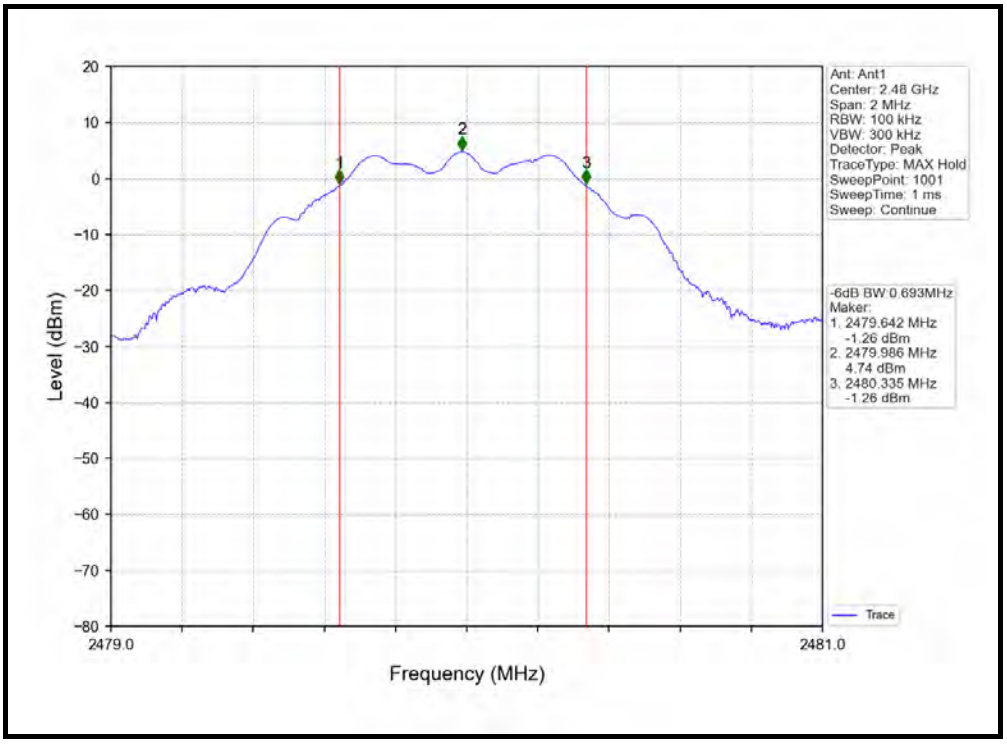
BT-LE (S2)

CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)	MINIMUM LIMIT (MHz)	PASS / FAIL
0	2402	0.671	0.5	PASS
19	2440	0.672	0.5	PASS
39	2480	0.669	0.5	PASS



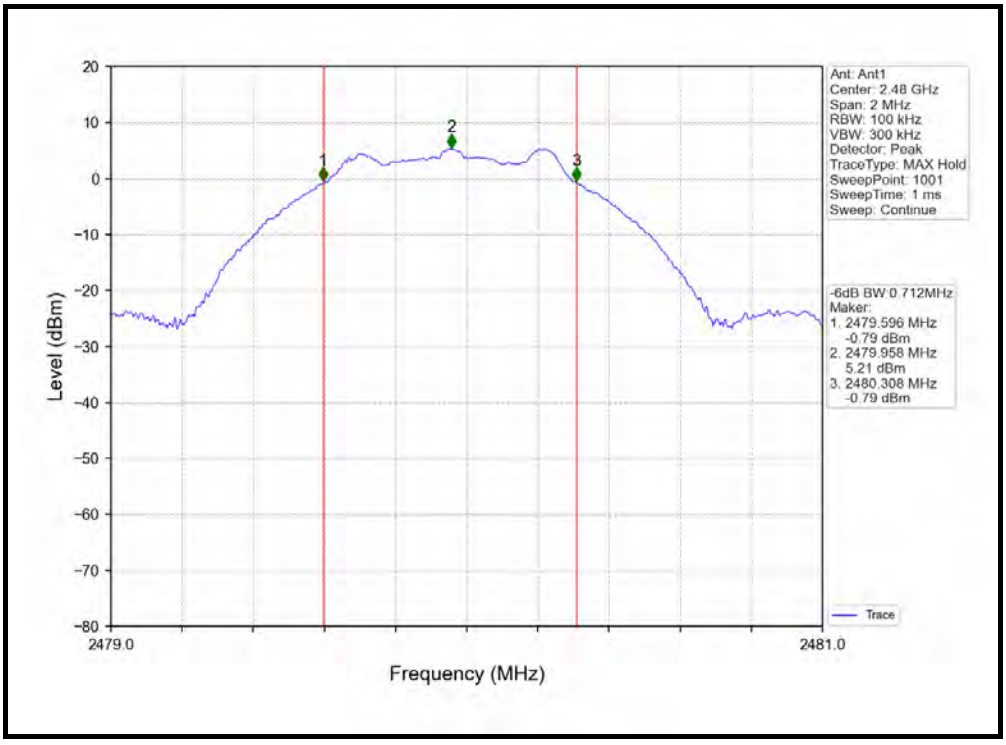
BT-LE (S8)

CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)	MINIMUM LIMIT (MHz)	PASS / FAIL
0	2402	0.688	0.5	PASS
19	2440	0.691	0.5	PASS
39	2480	0.693	0.5	PASS



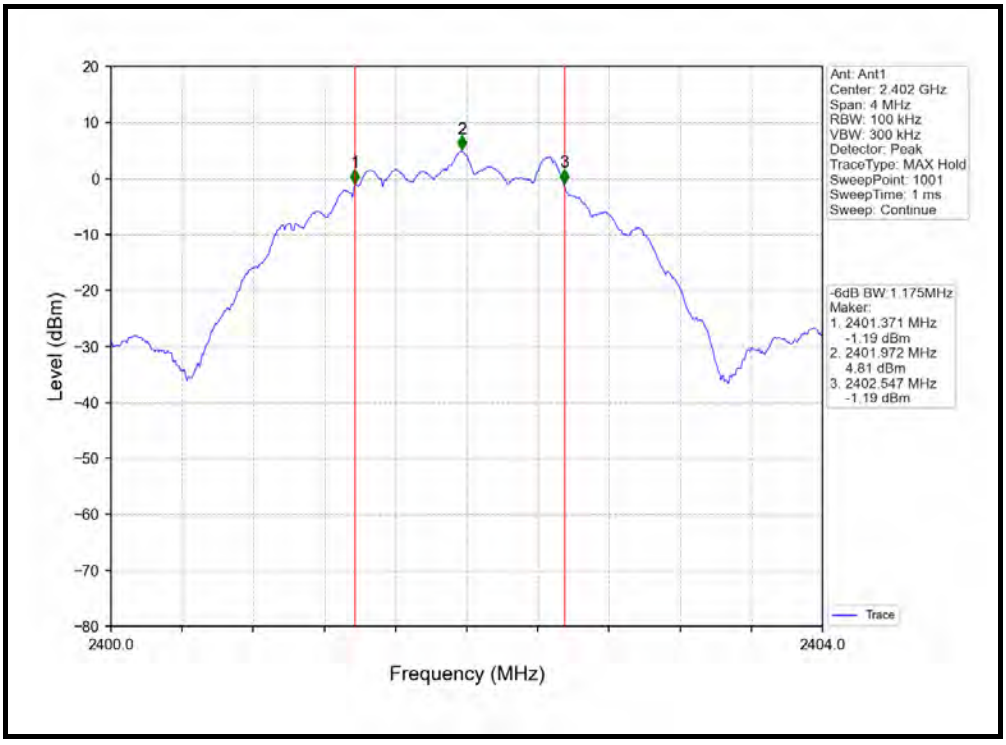
2SECEND-BT-LE (1MHz)

CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)	MINIMUM LIMIT (MHz)	PASS / FAIL
0	2402	0.693	0.5	PASS
19	2440	0.708	0.5	PASS
39	2480	0.712	0.5	PASS



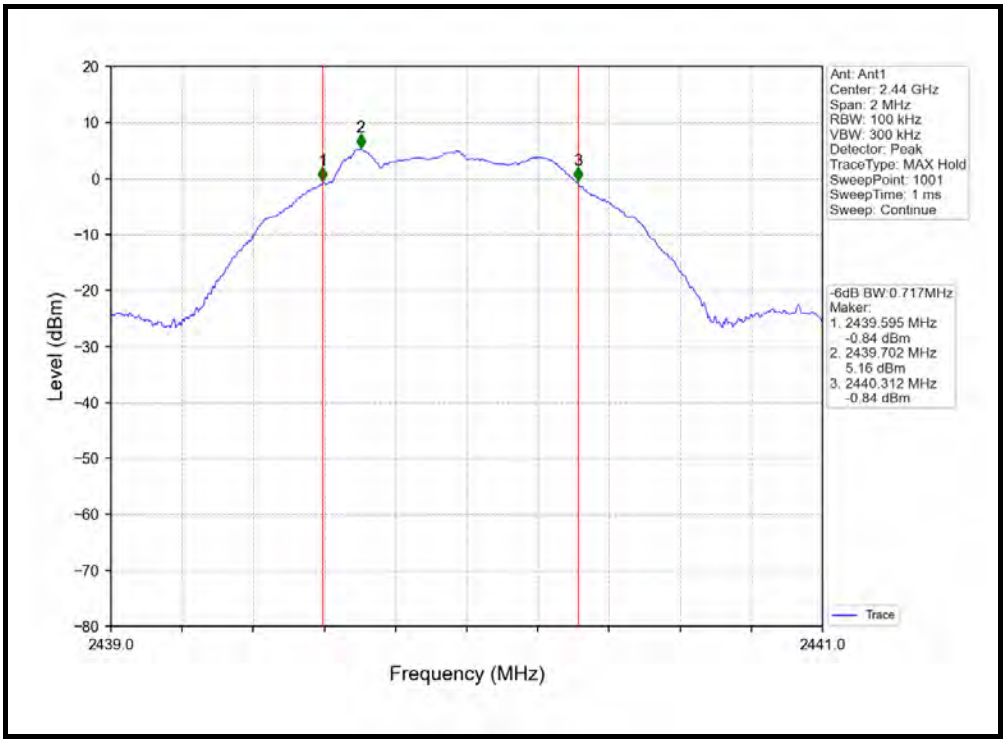
2SECEND-BT-LE (2MHz)

CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)	MINIMUM LIMIT (MHz)	PASS / FAIL
0	2402	1.175	0.5	PASS
19	2440	1.147	0.5	PASS
39	2480	1.142	0.5	PASS



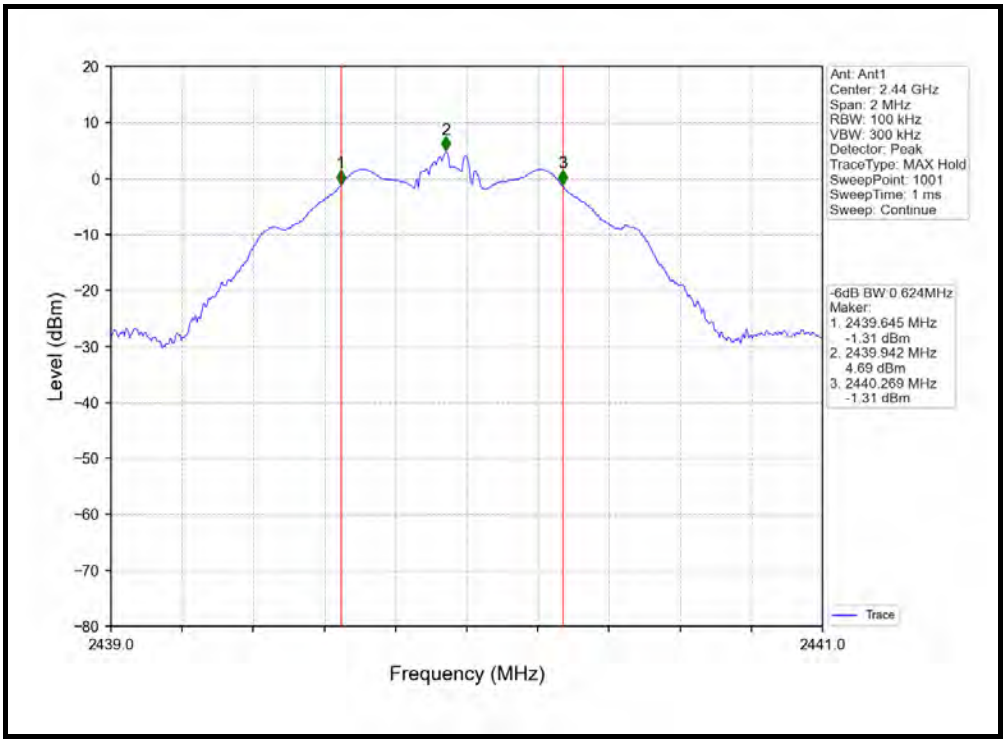
2SECEND-BT-LE (S2)

CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)	MINIMUM LIMIT (MHz)	PASS / FAIL
0	2402	0.704	0.5	PASS
19	2440	0.717	0.5	PASS
39	2480	0.711	0.5	PASS



2SECEND-BT-LE (S8)

CHANNEL	CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)	MINIMUM LIMIT (MHz)	PASS / FAIL
0	2402	0.618	0.5	PASS
19	2440	0.624	0.5	PASS
39	2480	0.616	0.5	PASS

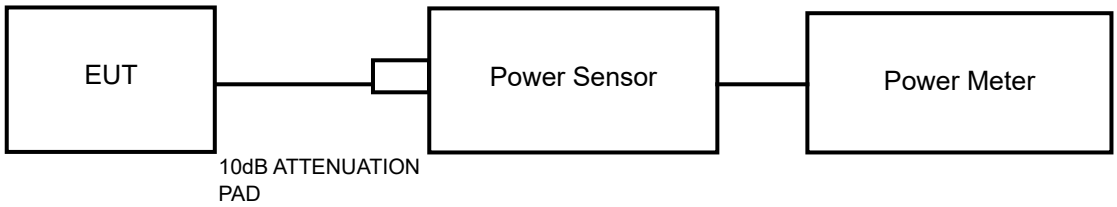


3.4 CONDUCTED OUTPUT POWER

3.4.1 LIMITS OF CONDUCTED OUTPUT POWER MEASUREMENT

For systems using digital modulation in the 2400–2483.5 MHz band: 1 Watt (30dBm)

3.4.2 TEST SETUP



3.4.3 TEST INSTRUMENTS

Refer to section 3.3.2 to get information of above instrument.

3.4.4 TEST PROCEDURES

A peak power sensor was used on the output port of the EUT. A power meter was used to read the response of the peak power sensor. Record the power level.

3.4.5 DEVIATION FROM TEST STANDARD

No deviation.

3.4.6 EUT OPERATING CONDITIONS

The software provided by client to enable the EUT under transmission condition continuously at lowest, middle and highest channel frequencies individually.

3.4.7 TEST RESULTS

3.4.7.1 MAXIMUM PEAK OUTPUT POWER

802.11b

ANT 0

CHANNEL	CHANNEL FREQUENCY (MHz)	PEAK POWER (dBm)	PEAK POWER (mW)	PEAK POWER LIMIT(W)	PASS/FAIL
1	2412	21.85	153.11	1	PASS
6	2437	21.16	130.62	1	PASS
11	2462	21.91	155.24	1	PASS

ANT 1

CHANNEL	CHANNEL FREQUENCY (MHz)	PEAK POWER (dBm)	PEAK POWER (mW)	PEAK POWER LIMIT(W)	PASS/FAIL
1	2412	20.58	114.29	1	PASS
6	2437	21.32	135.52	1	PASS
11	2462	20.43	110.41	1	PASS

802.11g

ANT 0

CHANNEL	CHANNEL FREQUENCY (MHz)	PEAK POWER (dBm)	PEAK POWER (mW)	PEAK POWER LIMIT(W)	PASS/FAIL
1	2412	23.82	240.99	1	PASS
6	2437	23.91	246.04	1	PASS
11	2462	24.90	309.03	1	PASS

ANT 1

CHANNEL	CHANNEL FREQUENCY (MHz)	PEAK POWER (dBm)	PEAK POWER (mW)	PEAK POWER LIMIT(W)	PASS/FAIL
1	2412	25.02	317.69	1	PASS
6	2437	25.74	374.97	1	PASS
11	2462	25.87	386.37	1	PASS

802.11n (20MHz)

ANT 0

CHANNEL	CHANNEL FREQUENCY (MHz)	PEAK POWER (dBm)	PEAK POWER (mW)	PEAK POWER LIMIT(W)	PASS/FAIL
1	2412	24.01	251.77	1	PASS
6	2437	23.84	242.10	1	PASS
11	2462	23.15	206.54	1	PASS

ANT 1

CHANNEL	CHANNEL FREQUENCY (MHz)	PEAK POWER (dBm)	PEAK POWER (mW)	PEAK POWER LIMIT(W)	PASS/FAIL
1	2412	25.52	356.45	1	PASS
6	2437	25.61	363.92	1	PASS
11	2462	23.43	220.29	1	PASS

802.11ax (20MHz)

ANT 0

CHANNEL	CHANNEL FREQUENCY (MHz)	PEAK POWER (dBm)	PEAK POWER (mW)	PEAK POWER LIMIT(W)	PASS/FAIL
1	2412	23.07	202.77	1	PASS
6	2437	23.52	224.91	1	PASS
11	2462	21.56	143.22	1	PASS

ANT 1

CHANNEL	CHANNEL FREQUENCY (MHz)	PEAK POWER (dBm)	PEAK POWER (mW)	PEAK POWER LIMIT(W)	PASS/FAIL
1	2412	23.99	250.61	1	PASS
6	2437	24.31	269.77	1	PASS
11	2462	23.87	243.78	1	PASS

802.11n (40MHz)

ANT 0

CHANNEL	CHANNEL FREQUENCY (MHz)	PEAK POWER (dBm)	PEAK POWER (mW)	PEAK POWER LIMIT(W)	PASS/FAIL
3	2422	23.22	209.89	1	PASS
6	2437	21.68	147.23	1	PASS
9	2452	21.78	150.66	1	PASS

ANT 1

CHANNEL	CHANNEL FREQUENCY (MHz)	PEAK POWER (dBm)	PEAK POWER (mW)	PEAK POWER LIMIT(W)	PASS/FAIL
3	2422	21.38	137.40	1	PASS
6	2437	22.76	188.80	1	PASS
9	2452	19.22	83.56	1	PASS

802.11ax (40MHz)

ANT 0

CHANNEL	CHANNEL FREQUENCY (MHz)	PEAK POWER (dBm)	PEAK POWER (mW)	PEAK POWER LIMIT(W)	PASS/FAIL
3	2422	22.79	190.11	1	PASS
6	2437	21.89	154.53	1	PASS
9	2452	21.37	137.09	1	PASS

ANT 1

CHANNEL	CHANNEL FREQUENCY (MHz)	PEAK POWER (dBm)	PEAK POWER (mW)	PEAK POWER LIMIT(W)	PASS/FAIL
3	2422	21.67	146.89	1	PASS
6	2437	22.82	191.43	1	PASS
9	2452	19.68	92.90	1	PASS

ANT 0+1

802.11ax (20MHz)

CHANNEL	CHANNEL FREQUENCY (MHz)	PEAK POWER ANT0 (dBm)	PEAK POWER ANT1 (dBm)	PEAK POWER ANT0+1 (dBm)	PEAK POWER ANT0+1 (mW)	PEAK POWER LIMIT(W)	PASS/FAIL
1	2412	23.48	23.80	26.65	**462.73**	1	PASS
6	2437	22.34	24.28	26.43	439.31	1	PASS
11	2462	22.02	22.82	25.45	350.65	1	PASS

802.11ax (40MHz)

CHANNEL	CHANNEL FREQUENCY (MHz)	PEAK POWER ANT0 (dBm)	PEAK POWER ANT1 (dBm)	PEAK POWER ANT0+1 (dBm)	PEAK POWER ANT0+1 (mW)	PEAK POWER LIMIT(W)	PASS/FAIL
3	2422	20.53	21.62	24.12	258.19	1	PASS
6	2437	21.48	22.82	25.21	332.03	1	PASS
9	2452	18.58	18.28	21.44	139.41	1	PASS

BT-LE (1MHz)

CHANNEL	CHANNEL FREQUENCY (MHz)	PEAK POWER (dBm)	PEAK POWER (mW)	PEAK POWER LIMIT(W)	PASS/FAIL
0	2402	5.02	3.18	1	PASS
19	2440	4.53	2.84	1	PASS
39	2480	6.23	4.20	1	PASS

BT-LE (2MHz)

CHANNEL	CHANNEL FREQUENCY (MHz)	PEAK POWER (dBm)	PEAK POWER (mW)	PEAK POWER LIMIT(W)	PASS/FAIL
0	2402	5.24	3.34	1	PASS
19	2440	4.79	3.01	1	PASS
39	2480	6.39	**4.36**	1	PASS

BT-LE (S2)

CHANNEL	CHANNEL FREQUENCY (MHz)	PEAK POWER (dBm)	PEAK POWER (mW)	PEAK POWER LIMIT(W)	PASS/FAIL
0	2402	4.82	3.03	1	PASS
19	2440	4.31	2.70	1	PASS
39	2480	5.96	3.94	1	PASS

BT-LE (S8)

CHANNEL	CHANNEL FREQUENCY (MHz)	PEAK POWER (dBm)	PEAK POWER (mW)	PEAK POWER LIMIT(W)	PASS/FAIL
0	2402	4.86	3.06	1	PASS
19	2440	4.26	2.67	1	PASS
39	2480	6.01	3.99	1	PASS

2SECEND-BT-LE (1MHz)

CHANNEL	CHANNEL FREQUENCY (MHz)	PEAK POWER (dBm)	PEAK POWER (mW)	PEAK POWER LIMIT(W)	PASS/FAIL
0	2402	5.08	3.22	1	PASS
19	2440	5.35	3.43	1	PASS
39	2480	5.46	3.52	1	PASS

2SECEND-BT-LE (2MHz)

CHANNEL	CHANNEL FREQUENCY (MHz)	PEAK POWER (dBm)	PEAK POWER (mW)	PEAK POWER LIMIT(W)	PASS/FAIL
0	2402	5.11	3.24	1	PASS
19	2440	5.35	3.43	1	PASS
39	2480	5.48	3.53	1	PASS

2SECEND-BT-LE (S2)

CHANNEL	CHANNEL FREQUENCY (MHz)	PEAK POWER (dBm)	PEAK POWER (mW)	PEAK POWER LIMIT(W)	PASS/FAIL
0	2402	5.11	3.24	1	PASS
19	2440	5.36	3.44	1	PASS
39	2480	5.48	3.53	1	PASS

2SECEND-BT-LE (S8)

CHANNEL	CHANNEL FREQUENCY (MHz)	PEAK POWER (dBm)	PEAK POWER (mW)	PEAK POWER LIMIT(W)	PASS/FAIL
0	2402	5.12	3.25	1	PASS
19	2440	5.36	3.44	1	PASS
39	2480	5.49	**3.54**	1	PASS

3.4.7.2 AVERAGE OUTPUT POWER (FOR REFERENCE)

The average power sensor was used on the output port of the EUT. A power meter was used to read the response of the power sensor. Record the power level.

802.11b

ANT 0

CHANNEL	CHANNEL FREQUENCY (MHz)	AVERAGE POWER (dBm)	PASS/FAIL
1	2412	19.08	N/A
6	2437	18.71	N/A
11	2462	18.81	N/A

ANT 1

CHANNEL	CHANNEL FREQUENCY (MHz)	AVERAGE POWER (dBm)	PASS/FAIL
1	2412	17.71	N/A
6	2437	18.40	N/A
11	2462	17.72	N/A

802.11g

ANT 0

CHANNEL	CHANNEL FREQUENCY (MHz)	AVERAGE POWER (dBm)	PASS/FAIL
1	2412	16.62	N/A
6	2437	17.06	N/A
11	2462	16.84	N/A

ANT 1

CHANNEL	CHANNEL FREQUENCY (MHz)	AVERAGE POWER (dBm)	PASS/FAIL
1	2412	16.04	N/A
6	2437	16.23	N/A
11	2462	14.10	N/A

802.11n (20MHz)

ANT 0

CHANNEL	CHANNEL FREQUENCY (MHz)	AVERAGE POWER (dBm)	PASS/FAIL
1	2412	16.52	N/A
6	2437	17.05	N/A
11	2462	12.49	N/A

ANT 1

CHANNEL	CHANNEL FREQUENCY (MHz)	AVERAGE POWER (dBm)	PASS/FAIL
1	2412	15.73	N/A
6	2437	16.19	N/A
11	2462	13.27	N/A

802.11n (40MHz)

ANT 0

CHANNEL	CHANNEL FREQUENCY (MHz)	AVERAGE POWER (dBm)	PASS/FAIL
3	2422	12.15	N/A
6	2437	11.63	N/A
9	2452	10.93	N/A

ANT 1

CHANNEL	CHANNEL FREQUENCY (MHz)	AVERAGE POWER (dBm)	PASS/FAIL
1	2412	10.30	N/A
6	2437	12.78	N/A
11	2462	8.83	N/A

802.11ax (20MHz)

ANT 0

CHANNEL	CHANNEL FREQUENCY (MHz)	AVERAGE POWER (dBm)	PASS/FAIL
1	2412	13.47	N/A
6	2437	13.88	N/A
11	2462	13.41	N/A

ANT 1

CHANNEL	CHANNEL FREQUENCY (MHz)	AVERAGE POWER (dBm)	PASS/FAIL
1	2412	12.51	N/A
6	2437	12.93	N/A
11	2462	12.92	N/A

802.11ax (40MHz)

ANT0

CHANNEL	CHANNEL FREQUENCY (MHz)	AVERAGE POWER (dBm)	PASS/FAIL
3	2422	12.19	N/A
6	2437	11.71	N/A
9	2452	11.07	N/A

ANT1

CHANNEL	CHANNEL FREQUENCY (MHz)	AVERAGE POWER (dBm)	PASS/FAIL
3	2422	11.10	N/A
6	2437	12.64	N/A
9	2452	8.86	N/A

802.11ax (20MHz)

ANT 0+1

CHANNEL	CHANNEL FREQUENCY (MHz)	AVERAGE POWER ANT0 (dBm)	AVERAGE POWER ANT1 (dBm)	AVERAGE POWER ANT0+1 (dBm)	PASS/FAIL
1	2412	9.34	11.05	13.29	N/A
6	2437	8.81	11.61	13.44	N/A
11	2462	9.70	11.49	13.70	N/A

802.11ax (40MHz)

ANT 0+1

CHANNEL	CHANNEL FREQUENCY (MHz)	AVERAGE POWER ANT0 (dBm)	AVERAGE POWER ANT1 (dBm)	AVERAGE POWER ANT0+1 (dBm)	PASS/FAIL
3	2422	9.24	9.75	12.51	N/A
6	2437	10.61	11.49	14.08	N/A
9	2452	7.00	7.35	10.19	N/A

BT-LE (1MHz)

CHANNEL	CHANNEL FREQUENCY (MHz)	AVERAGE POWER (dBm)	PASS/FAIL
0	2402	2.00	N/A
19	2440	1.44	N/A
39	2480	3.16	N/A

BT-LE (2MHz)

CHANNEL	CHANNEL FREQUENCY (MHz)	AVERAGE POWER (dBm)	PASS/FAIL
0	2402	-0.82	N/A
19	2440	-1.16	N/A
39	2480	0.62	N/A

BT-LE (S2)

CHANNEL	CHANNEL FREQUENCY (MHz)	AVERAGE POWER (dBm)	PASS/FAIL
0	2402	1.62	N/A
19	2440	1.32	N/A
39	2480	3.21	N/A

BT-LE (S8)

CHANNEL	CHANNEL FREQUENCY (MHz)	AVERAGE POWER (dBm)	PASS/FAIL
0	2402	3.26	N/A
19	2440	2.74	N/A
39	2480	4.44	N/A

2SECEND-BT-LE (1MHz)

CHANNEL	CHANNEL FREQUENCY (MHz)	AVERAGE POWER (dBm)	PASS/FAIL
0	2402	4.35	N/A
19	2440	4.80	N/A
39	2480	4.91	N/A

2SECEND-BT-LE (2MHz)

CHANNEL	CHANNEL FREQUENCY (MHz)	AVERAGE POWER (dBm)	PASS/FAIL
0	2402	3.13	N/A
19	2440	3.41	N/A
39	2480	3.52	N/A

2SECEND-BT-LE (S2)

CHANNEL	CHANNEL FREQUENCY (MHz)	AVERAGE POWER (dBm)	PASS/FAIL
0	2402	4.54	N/A
19	2440	5.12	N/A
39	2480	5.27	N/A

2SECEND-BT-LE (S8)

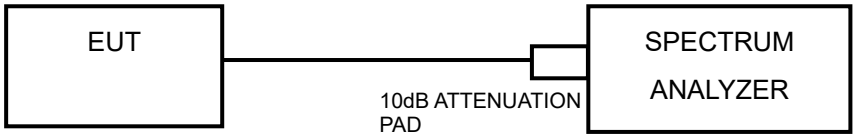
CHANNEL	CHANNEL FREQUENCY (MHz)	AVERAGE POWER (dBm)	PASS/FAIL
0	2402	4.97	N/A
19	2440	5.24	N/A
39	2480	5.36	N/A

3.5 POWER SPECTRAL DENSITY MEASUREMENT

3.5.1 LIMITS OF POWER SPECTRAL DENSITY MEASUREMENT

The Maximum of Power Spectral Density Measurement is 8dBm/3KHz.

3.5.2 TEST SETUP



3.5.3 TEST INSTRUMENTS

Refer to section 3.3.2 to get information of above instrument.

3.5.4 TEST PROCEDURE

1. Set the span to 1.5 times the DTS bandwidth
2. Set the RBW = 3 kHz, VBW ≥ 3 x RBW, Detector = peak.
3. Sweep time = auto couple, Trace mode = max hold, allow trace to fully stabilize.
4. Use the peak marker function to determine the maximum amplitude level.

3.5.5 DEVIATION FROM TEST STANDARD

No deviation.

3.5.6 EUT OPERATING CONDITION

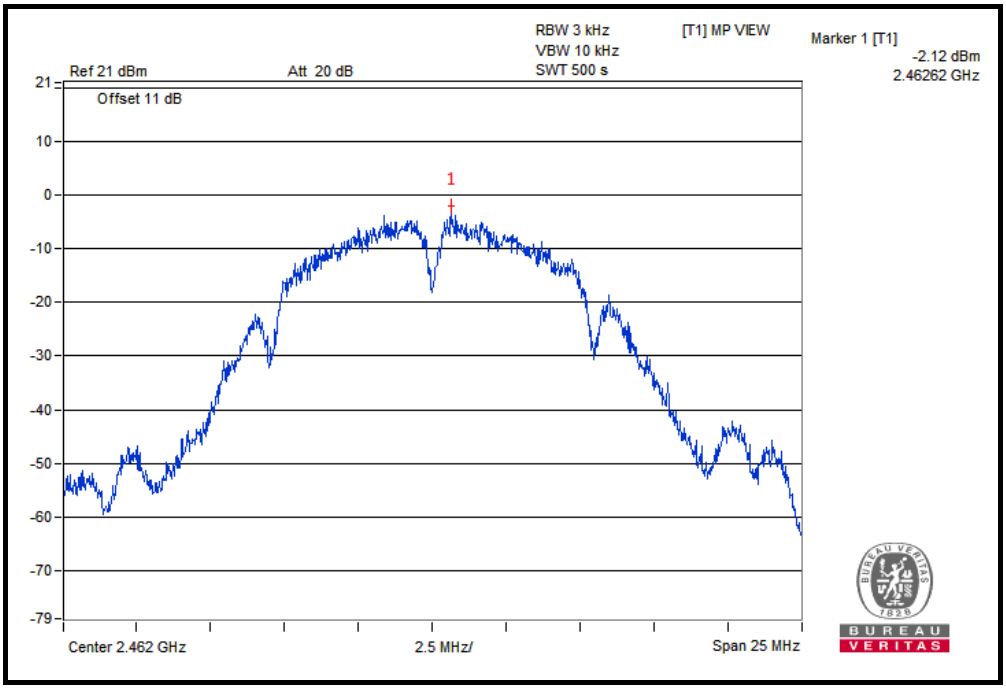
The software provided by client to enable the EUT under transmission condition continuously at lowest, middle and highest channel frequencies individually.

3.5.7 TEST RESULTS

802.11b

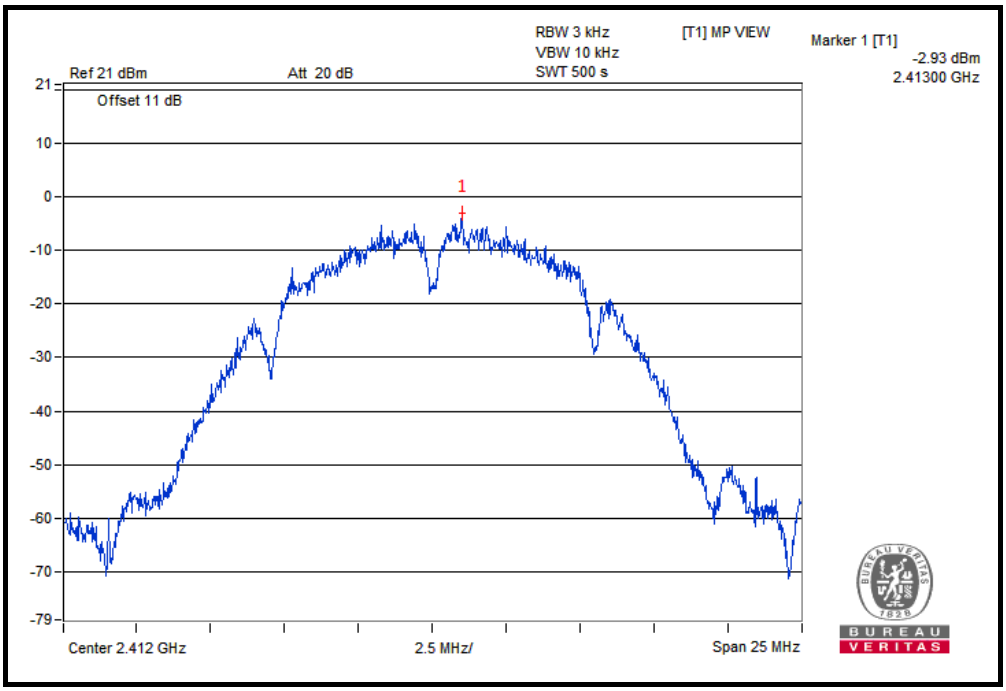
ANT0

Channel	FREQ. (MHz)	PSD (dBm/3kHz)	Limit (dBm/3kHz)	PASS /FAIL
1	2412	-4.64	8	PASS
6	2437	-4.05	8	PASS
11	2462	-2.12	8	PASS



ANT1

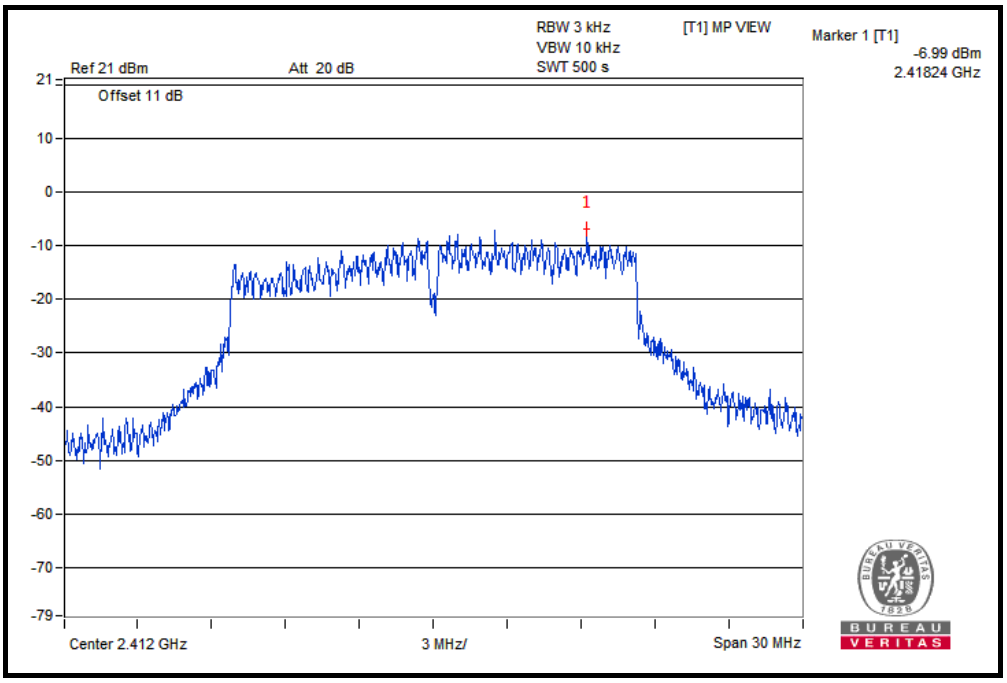
Channel	FREQ. (MHz)	PSD (dBm/3kHz)	Limit (dBm/3kHz)	PASS /FAIL
1	2412	-2.93	8	PASS
6	2437	-3.12	8	PASS
11	2462	-3.87	8	PASS



802.11g

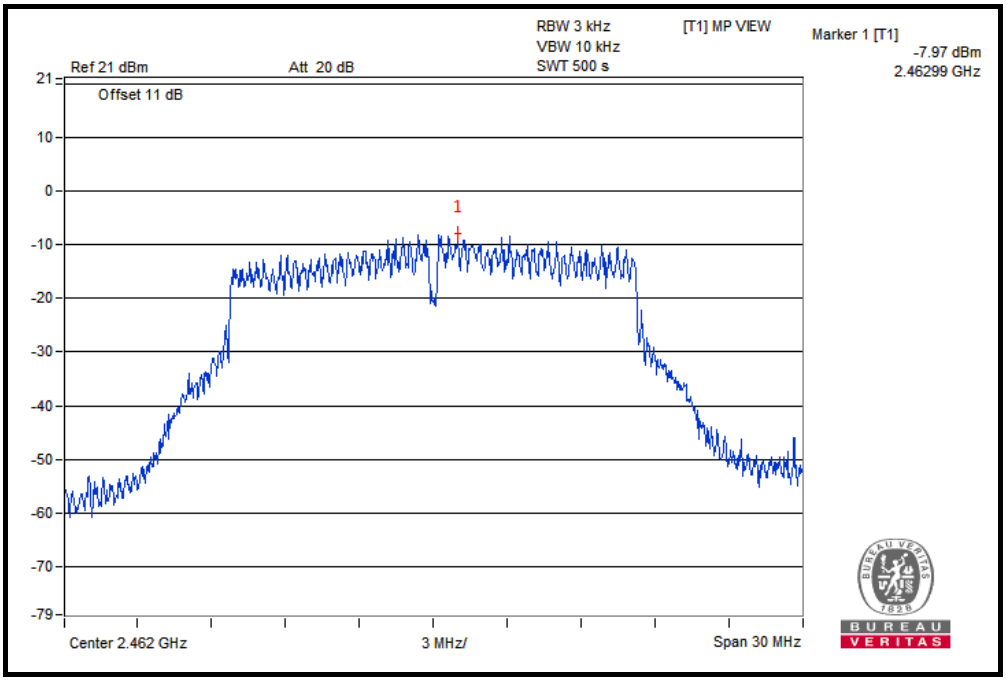
ANT 0

Channel	FREQ. (MHz)	PSD (dBm/3kHz)	Limit (dBm/3kHz)	PASS /FAIL
1	2412	-6.99	8	PASS
6	2437	-8.00	8	PASS
11	2462	-7.70	8	PASS



ANT 1

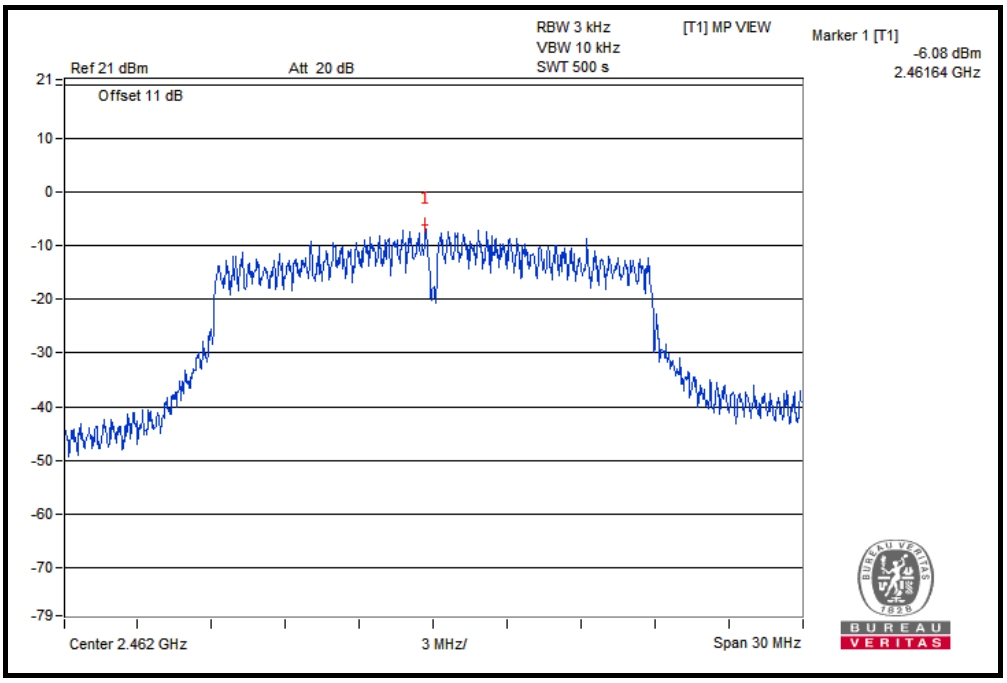
Channel	FREQ. (MHz)	PSD (dBm/3kHz)	Limit (dBm/3kHz)	PASS /FAIL
1	2412	-8.02	8	PASS
6	2437	-8.74	8	PASS
11	2462	-7.97	8	PASS



802.11n (20MHz)

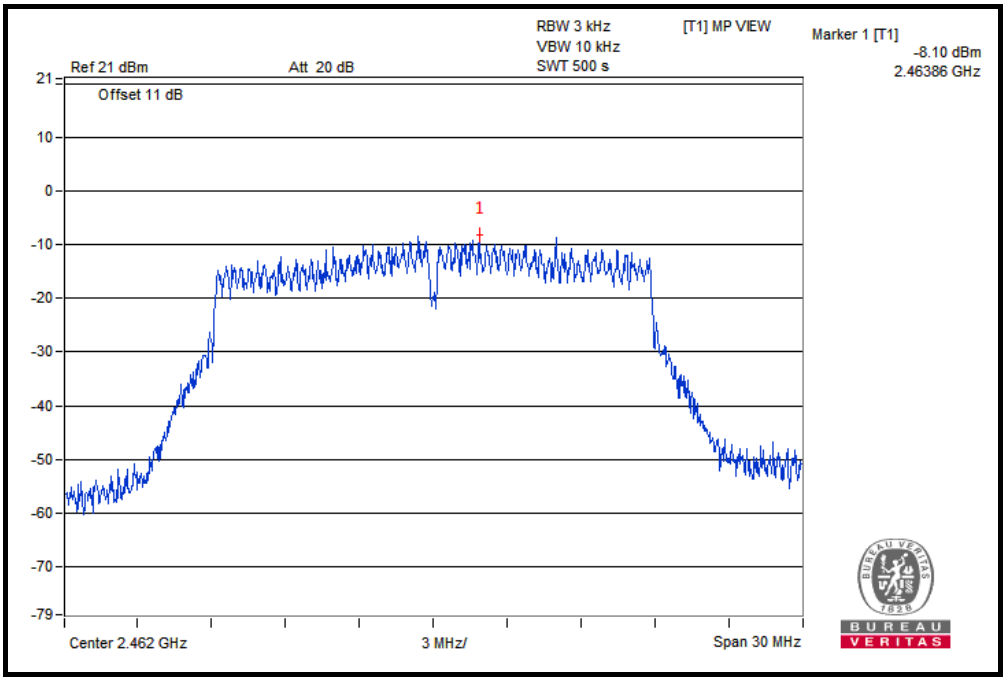
ANT 0

Channel	FREQ. (MHz)	PSD (dBm/3kHz)	Limit (dBm/3kHz)	PASS /FAIL
1	2412	-8.28	8	PASS
6	2437	-7.71	8	PASS
11	2462	-6.08	8	PASS



ANT 1

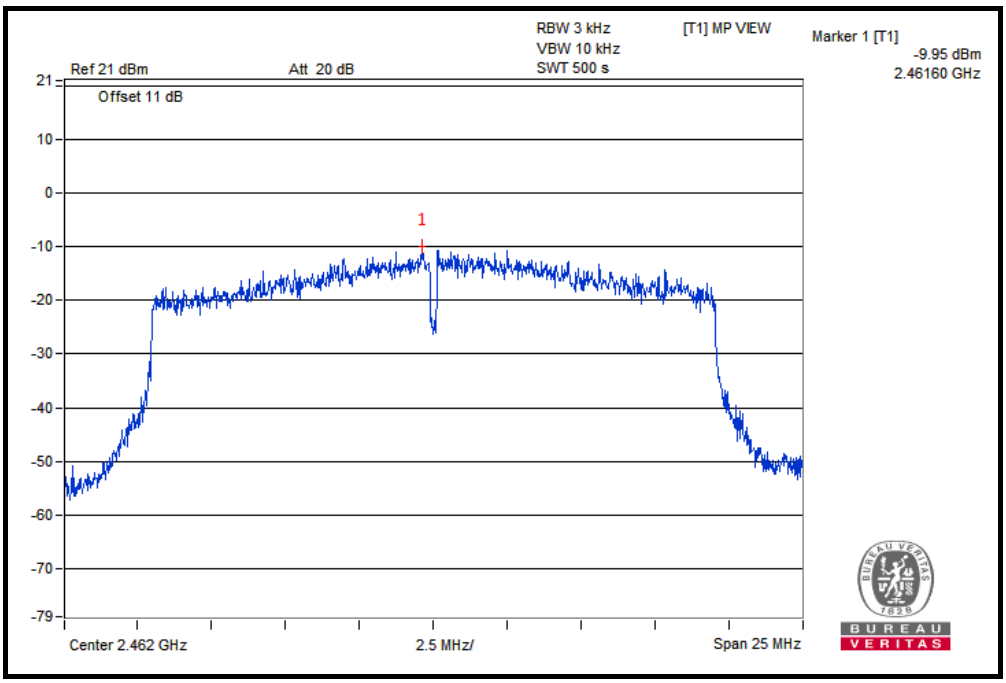
Channel	FREQ. (MHz)	PSD (dBm/3kHz)	Limit (dBm/3kHz)	PASS /FAIL
1	2412	-8.66	8	PASS
6	2437	-8.97	8	PASS
11	2462	-8.10	8	PASS



802.11ax (20MHz)

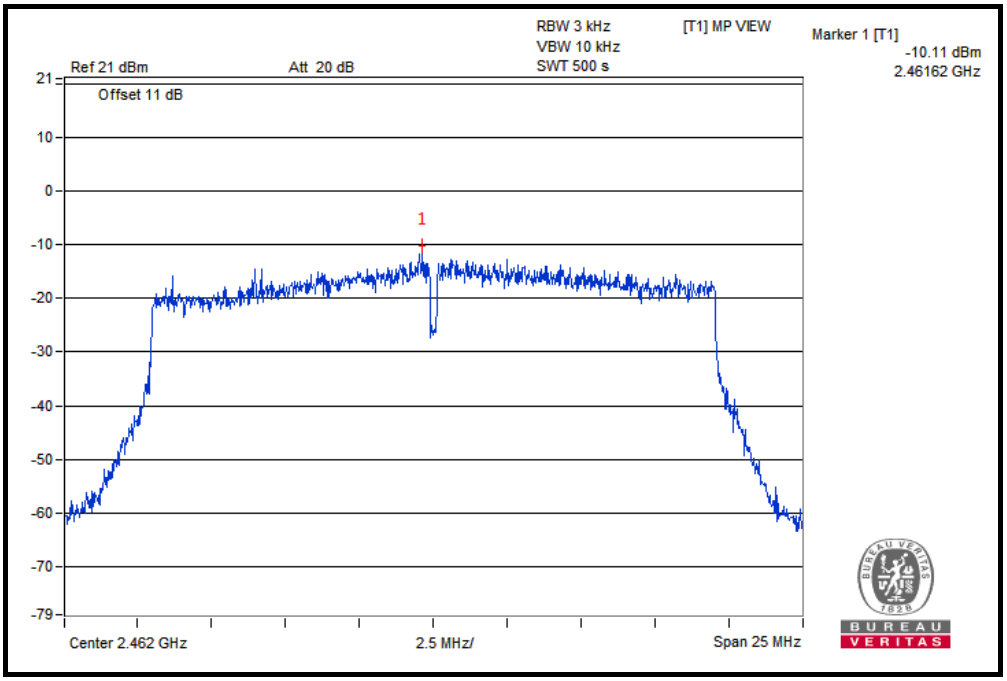
ANT 0

Channel	FREQ. (MHz)	PSD (dBm/3kHz)	Limit (dBm/3kHz)	PASS /FAIL
1	2412	-10.06	8	PASS
6	2437	-11.32	8	PASS
11	2462	-9.95	8	PASS



ANT 1

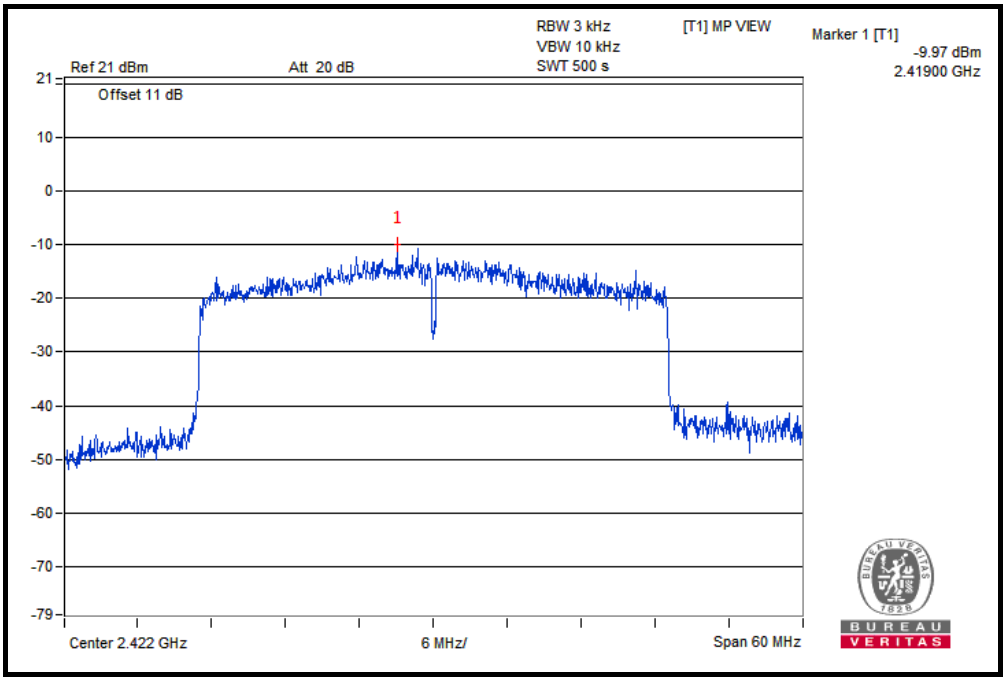
Channel	FREQ. (MHz)	PSD (dBm/3kHz)	Limit (dBm/3kHz)	PASS /FAIL
1	2412	-13.17	8	PASS
6	2437	-12.19	8	PASS
11	2462	-10.11	8	PASS



802.11n (40MHz)

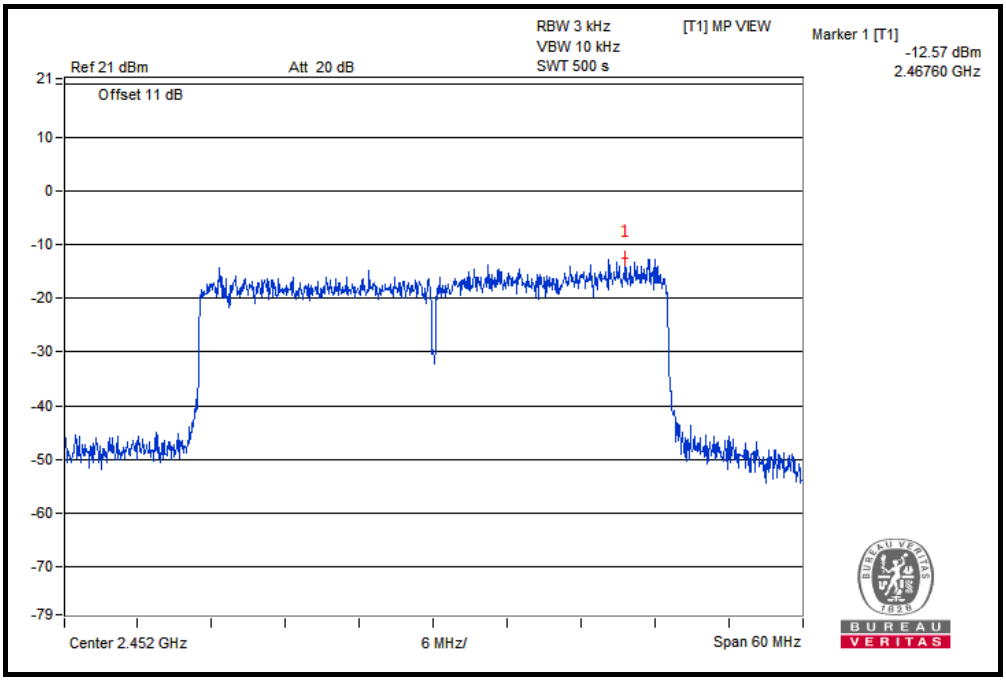
ANT 0

Channel	FREQ. (MHz)	PSD (dBm/3kHz)	Limit (dBm/3kHz)	PASS /FAIL
3	2422	-9.97	8	PASS
6	2437	-11.77	8	PASS
9	2452	-11.55	8	PASS



ANT 1

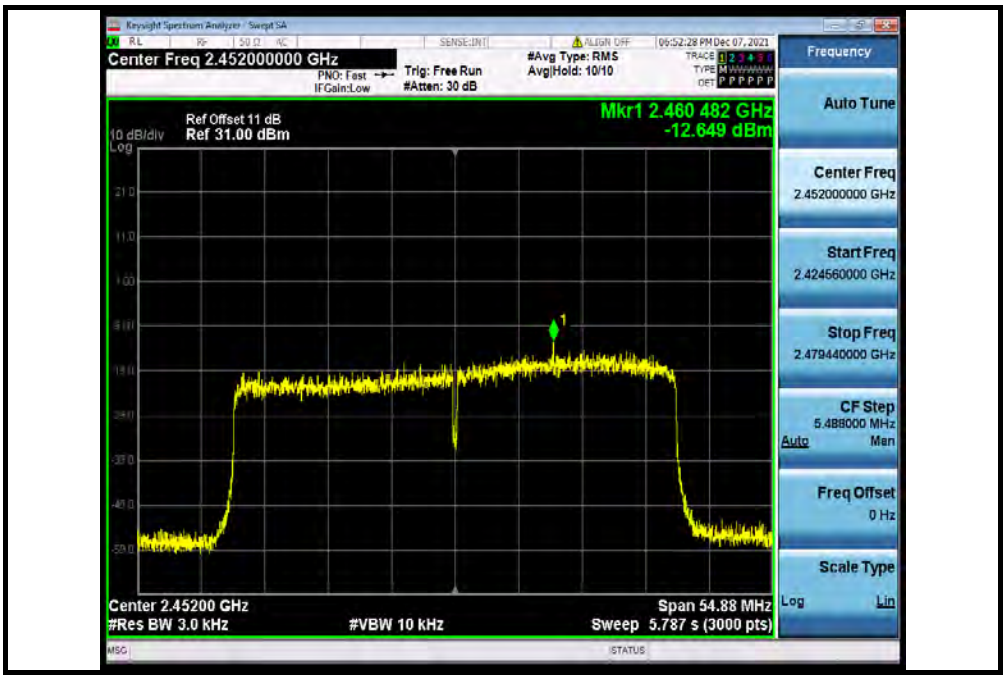
Channel	FREQ. (MHz)	PSD (dBm/3kHz)	Limit (dBm/3kHz)	PASS /FAIL
3	2422	-13.63	8	PASS
6	2437	-13.67	8	PASS
9	2452	-12.57	8	PASS



802.11ax (40MHz)

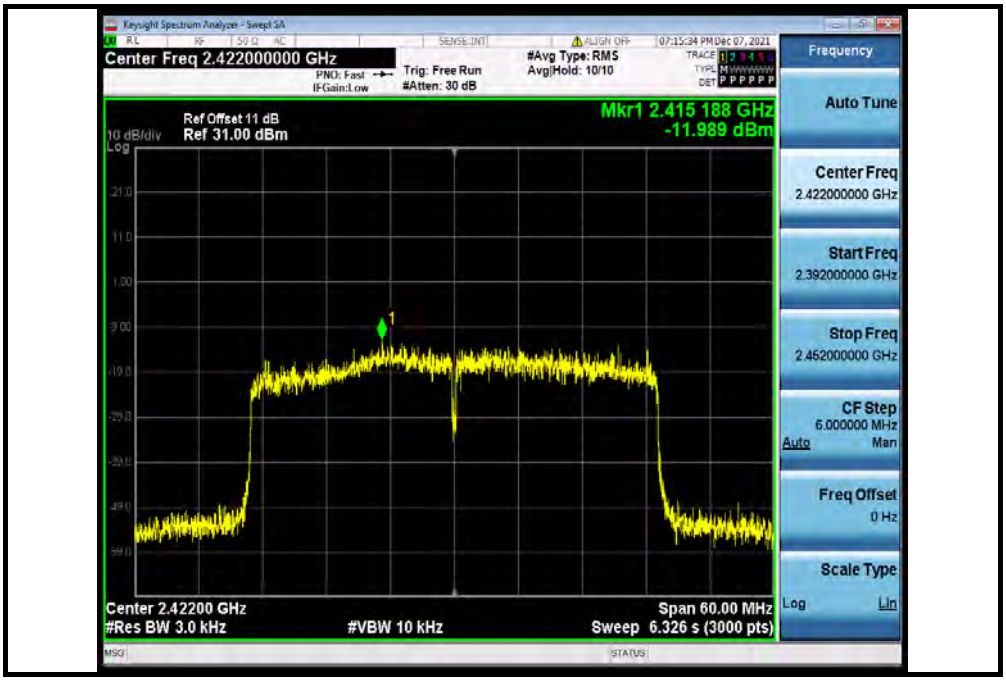
ANT 0

Channel	FREQ. (MHz)	PSD (dBm/3kHz)	Limit (dBm/3kHz)	PASS /FAIL
3	2422	-13.49	8	PASS
6	2437	-14.92	8	PASS
9	2452	-12.65	8	PASS



ANT 1

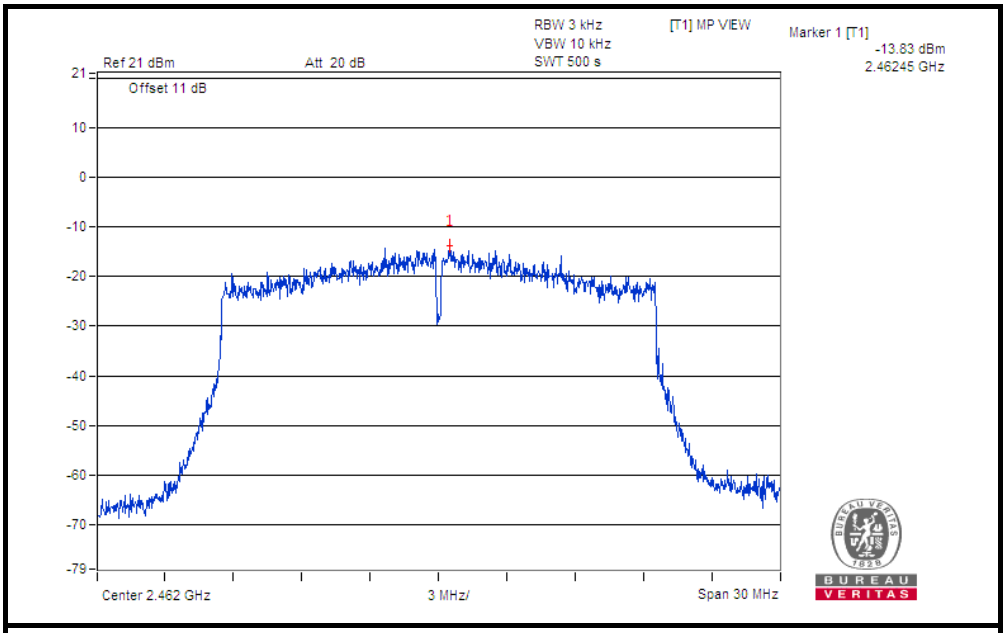
Channel	FREQ. (MHz)	PSD (dBm/3kHz)	Limit (dBm/3kHz)	PASS /FAIL
3	2422	-11.99	8	PASS
6	2437	-15.6	8	PASS
9	2452	-12.44	8	PASS

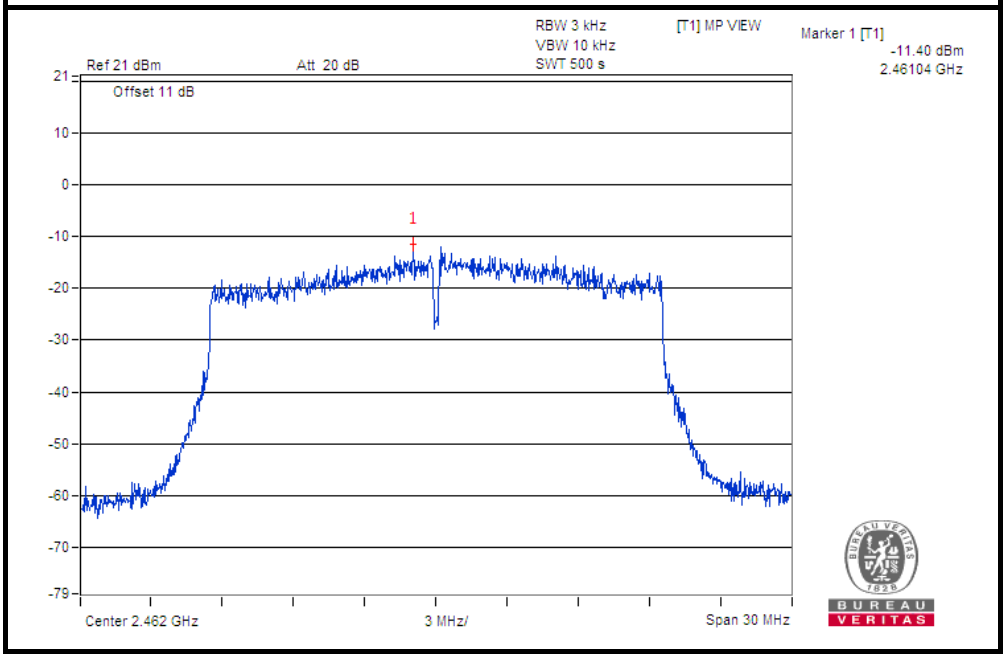


MIMO

802.11ax (20MHz)

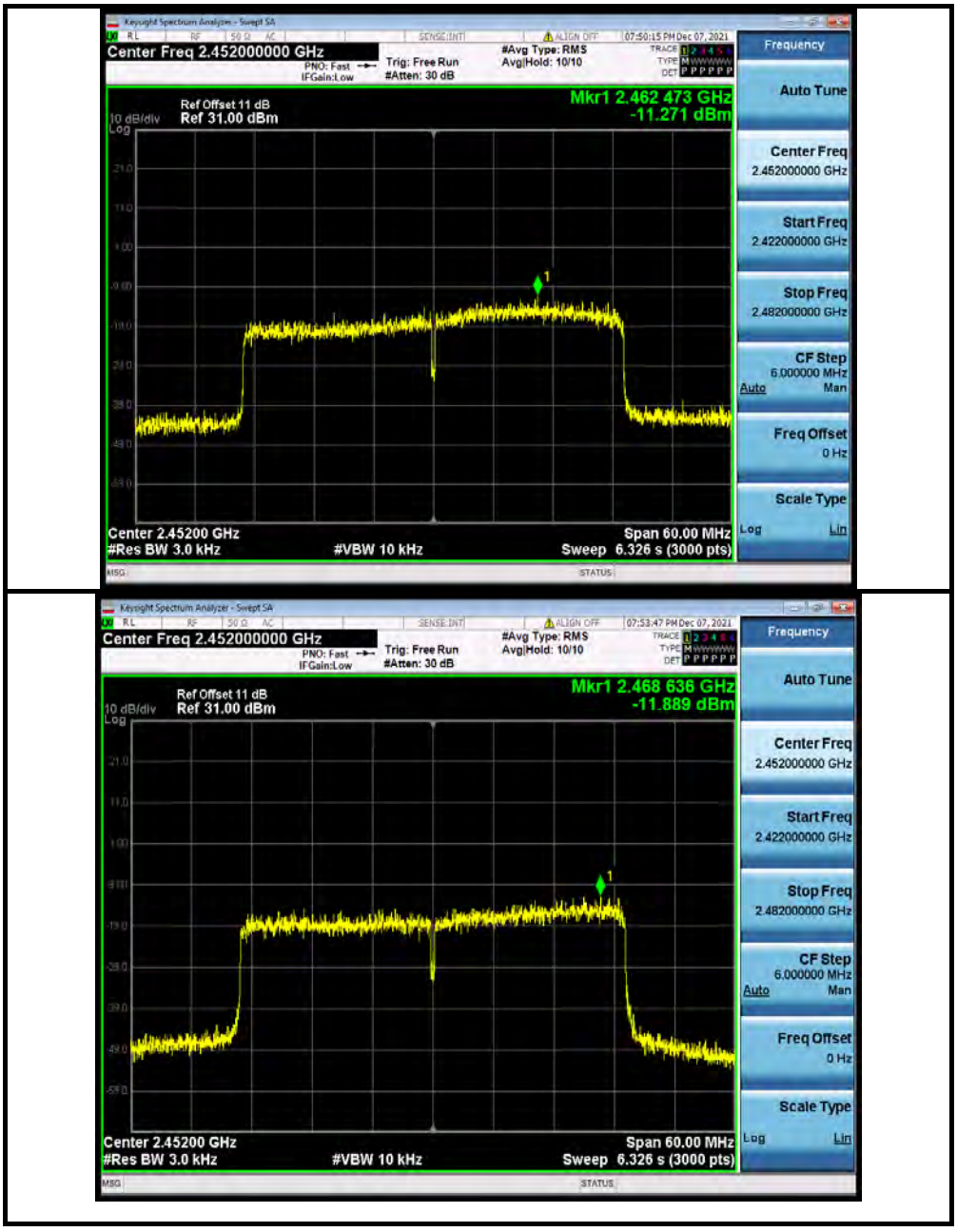
Channel	FREQ. (MHz)	ANT0 PSD (dBm/3kHz)	ANT1 PSD (dBm/3kHz)	Total PSD (dBm/3kHz	Limit (dBm/3kHz)	PASS /FAIL
1	2412	-15.32	-12.73	-10.82	8	PASS
6	2437	-15.17	-12.09	-10.35	8	PASS
11	2462	-13.83	-11.40	-9.44	8	PASS





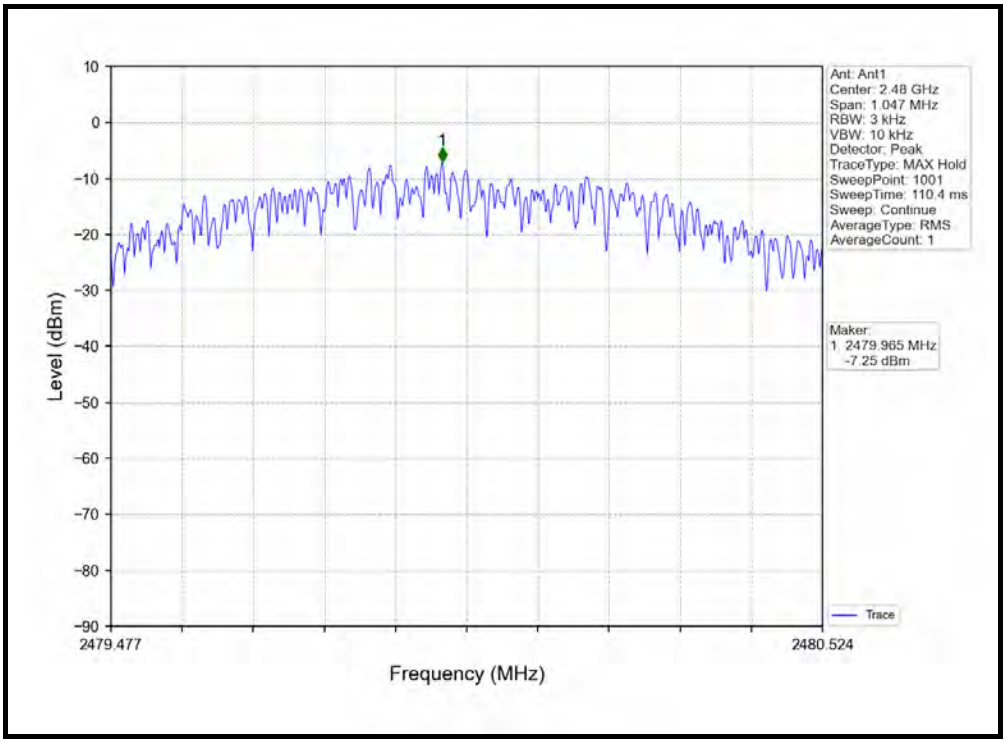
802.11ax (40MHz)

Channel	FREQ. (MHz)	ANT0 PSD (dBm/3kHz)	ANT1 PSD (dBm/3kHz)	Total PSD (dBm/3kHz	Limit (dBm/3kHz)	PASS /FAIL
3	2422	-11.4	-12.67	-8.98	8	PASS
6	2437	-12.61	-12.4	-9.49	8	PASS
9	2452	-11.27	-11.89	-8.56	8	PASS



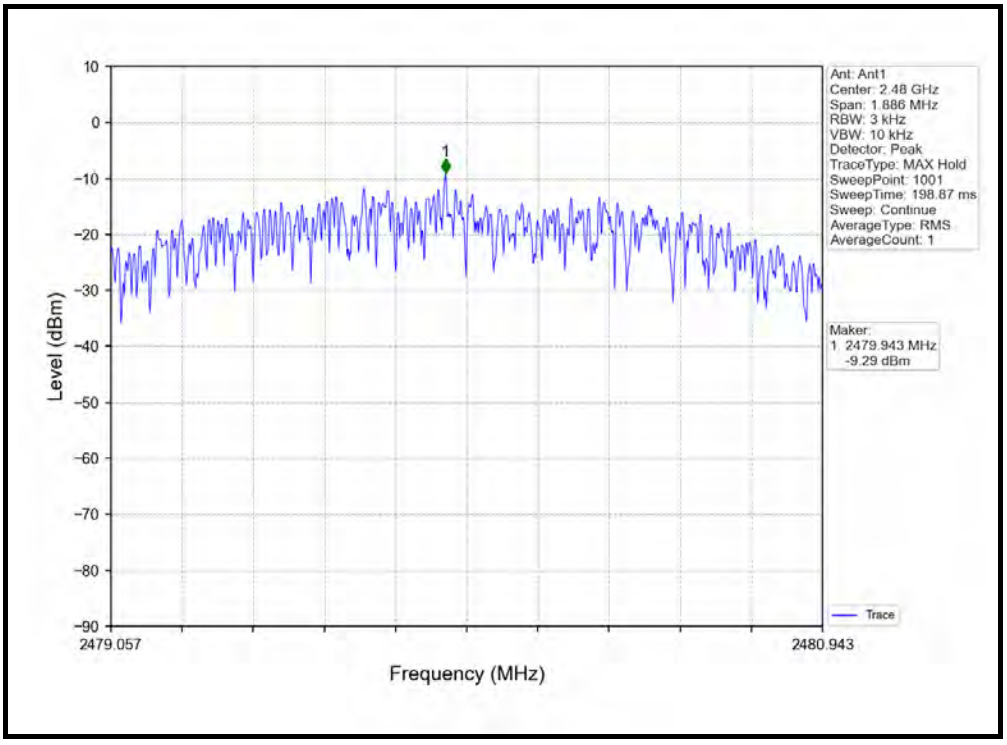
BT-LE (1MHz)

Channel	FREQ. (MHz)	PSD (dBm/3kHz)	Limit (dBm/3kHz)	PASS /FAIL
0	2402	-8.27	8	PASS
19	2440	-9.01	8	PASS
39	2480	-7.25	8	PASS



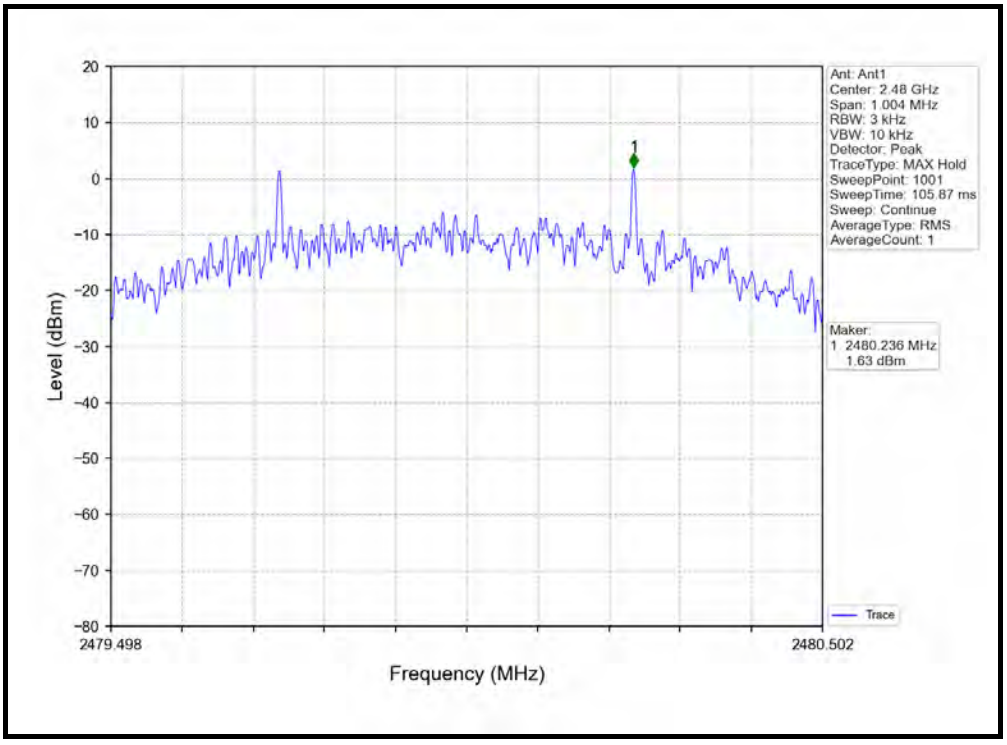
BT-LE (2MHz)

Channel	FREQ. (MHz)	PSD (dBm/3kHz)	Limit (dBm/3kHz)	PASS /FAIL
0	2402	-10.35	8	PASS
19	2440	-11.06	8	PASS
39	2480	-9.29	8	PASS



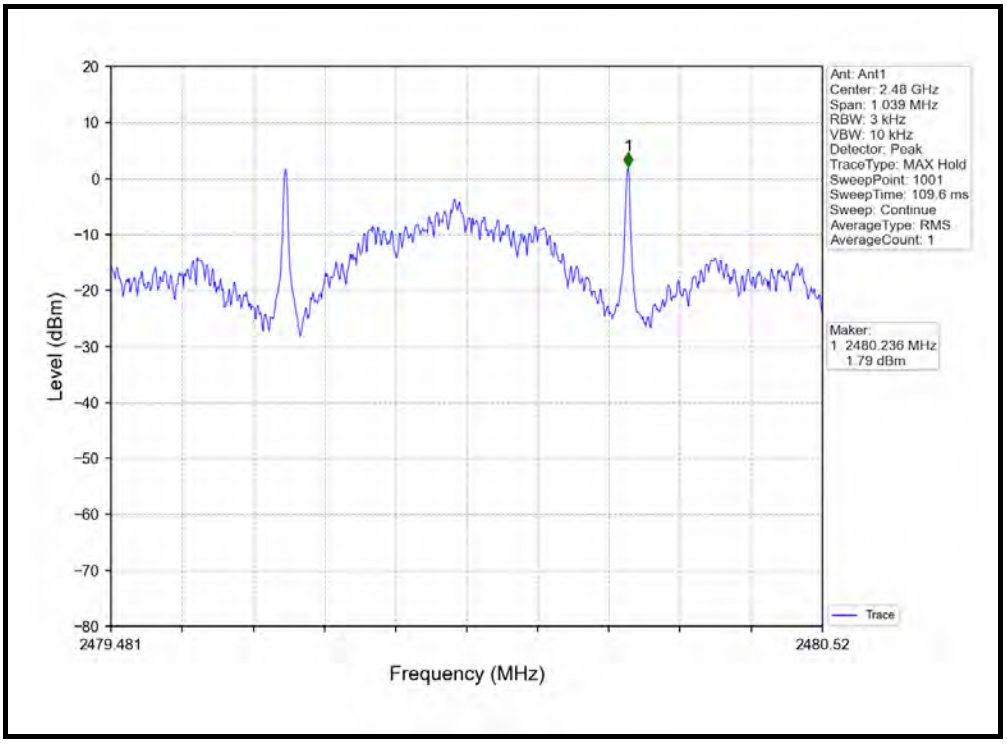
BT-LE (S2)

Channel	FREQ. (MHz)	PSD (dBm/3kHz)	Limit (dBm/3kHz)	PASS /FAIL
0	2402	0.70	8	PASS
19	2440	-0.12	8	PASS
39	2480	1.63	8	PASS



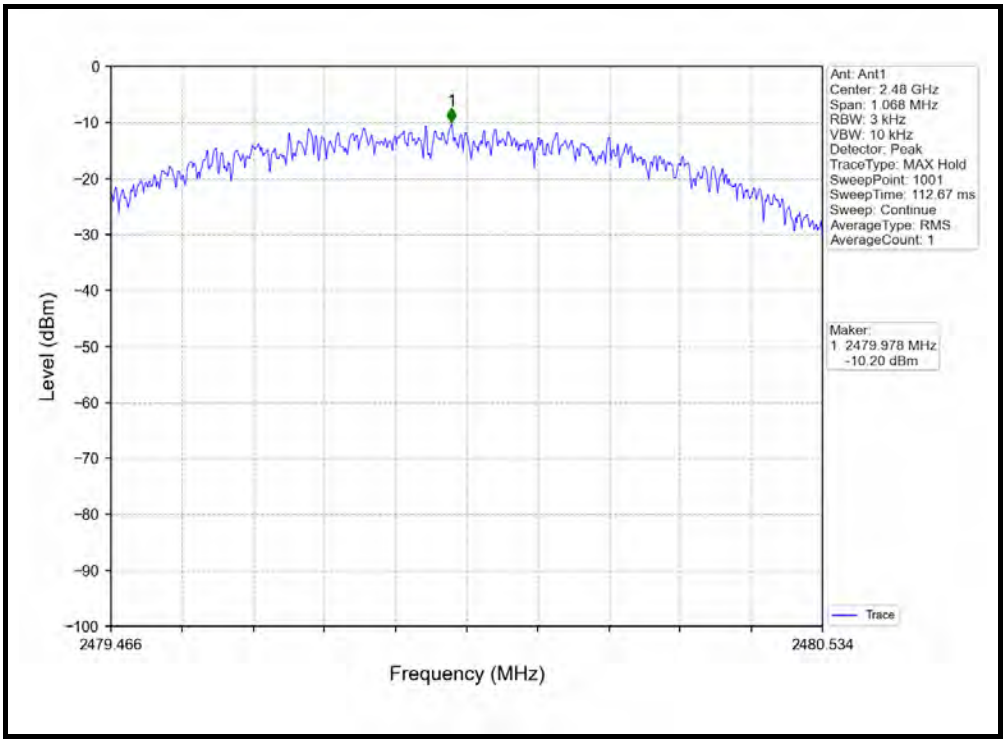
BT-LE (S8)

Channel	FREQ. (MHz)	PSD (dBm/3kHz)	Limit (dBm/3kHz)	PASS /FAIL
0	2402	0.82	8	PASS
19	2440	0.03	8	PASS
39	2480	1.79	8	PASS



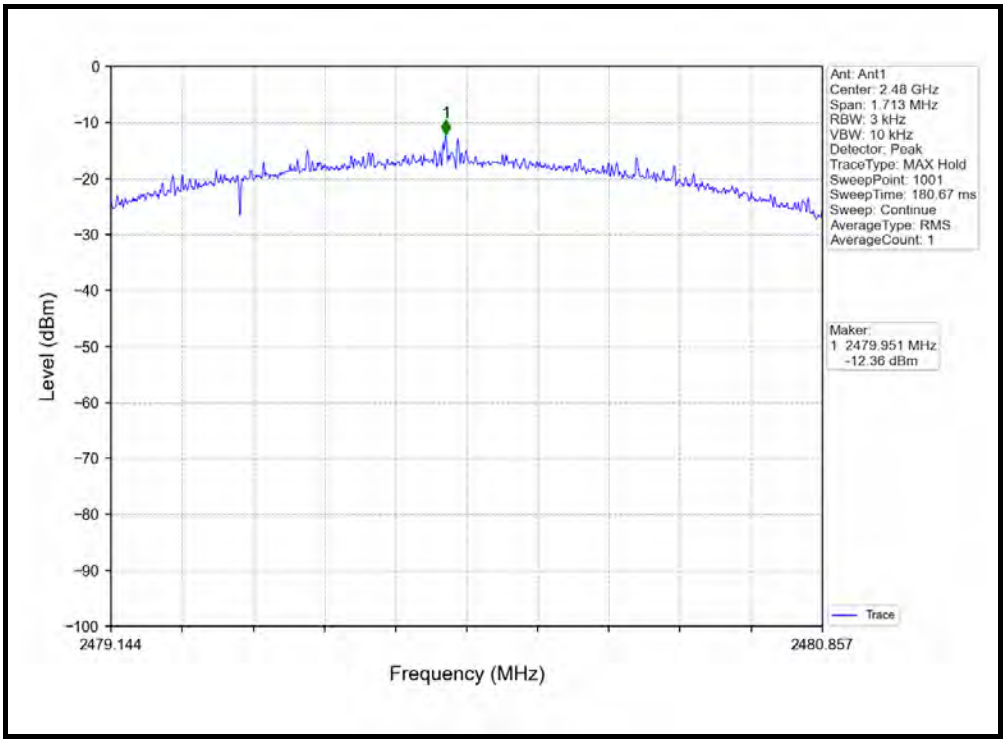
2SECEND-BT-LE (1MHz)

Channel	FREQ. (MHz)	PSD (dBm/3kHz)	Limit (dBm/3kHz)	PASS /FAIL
0	2402	-10.73	8	PASS
19	2440	-10.66	8	PASS
39	2480	-10.20	8	PASS



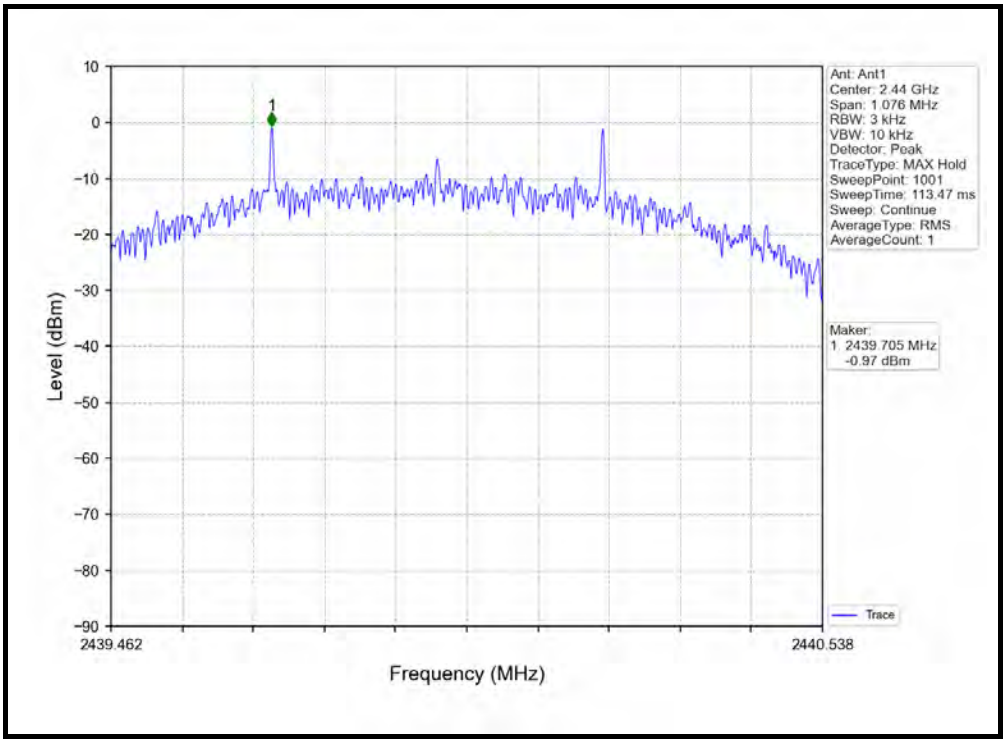
2SECEND-BT-LE (2MHz)

Channel	FREQ. (MHz)	PSD (dBm/3kHz)	Limit (dBm/3kHz)	PASS /FAIL
0	2402	-12.65	8	PASS
19	2440	-12.50	8	PASS
39	2480	-12.36	8	PASS



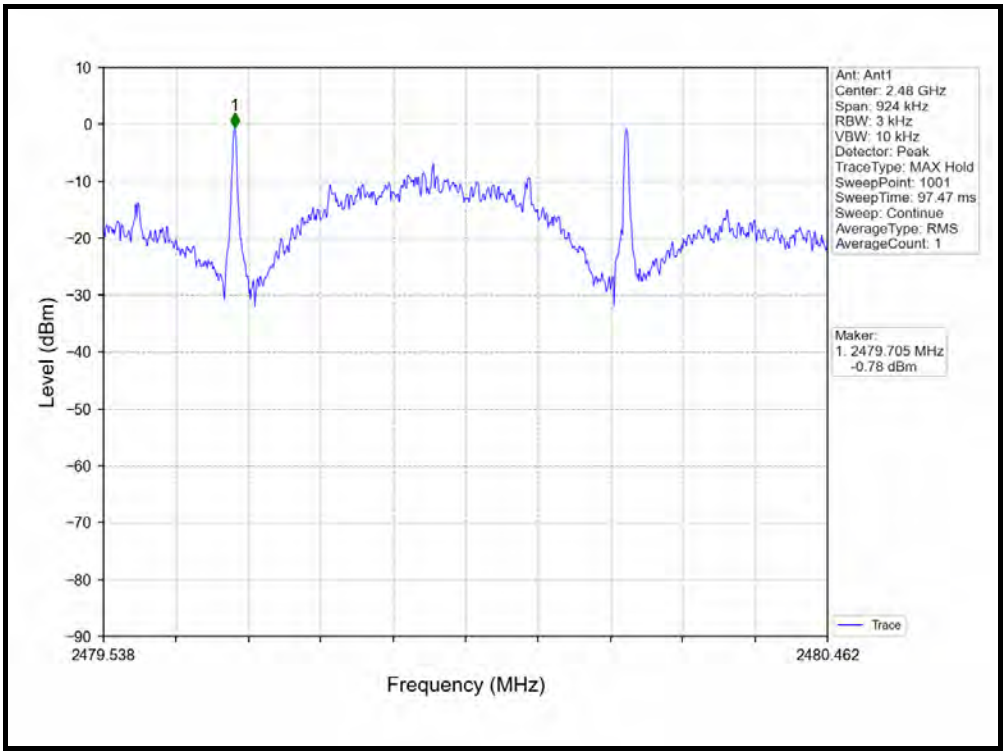
2SECEND-BT-LE (S2)

Channel	FREQ. (MHz)	PSD (dBm/3kHz)	Limit (dBm/3kHz)	PASS /FAIL
0	2402	-1.31	8	PASS
19	2440	-0.97	8	PASS
39	2480	-1.00	8	PASS



2SECEND-BT-LE (S8)

Channel	FREQ. (MHz)	PSD (dBm/3kHz)	Limit (dBm/3kHz)	PASS /FAIL
0	2402	-1.16	8	PASS
19	2440	-0.82	8	PASS
39	2480	-0.78	8	PASS

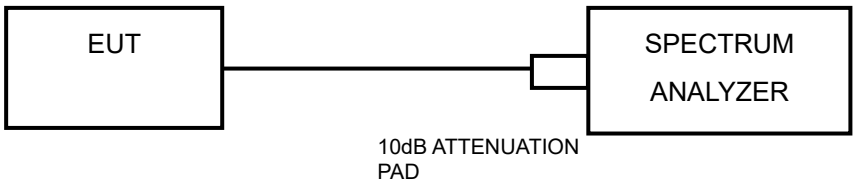


3.6 OUT OF BAND EMISSION MEASUREMENT

3.6.1 LIMITS OF OUT OF BAND EMISSION MEASUREMENT

Below –20dB of the highest emission level of operating band (in 100kHz Resolution Bandwidth).

3.6.2 TEST SETUP



3.6.3 TEST INSTRUMENTS

Refer to section 3.3.2 to get information of above instrument.

3.6.4 TEST PROCEDURE

MEASUREMENT PROCEDURE REF

1. Set the RBW = 100 kHz.
2. Set the VBW ≥ 300 kHz.
3. Detector = peak.
4. Sweep time = auto couple.
5. Trace mode = max hold.
6. Allow trace to fully stabilize.
7. Use the peak marker function to determine the maximum power level in any 100 kHz band segment within the fundamental EBW.

MEASUREMENT PROCEDURE OOBE

1. Set RBW = 100 kHz.
2. Set VBW ≥ 300 kHz.
3. Set span to encompass the spectrum to be examined
4. Detector = peak.
5. Trace Mode = max hold.
6. Sweep = auto couple.

3.6.5 DEVIATION FROM TEST STANDARD

No deviation.

3.6.6 EUT OPERATING CONDITION

The software provided by client to enable the EUT under transmission condition continuously at lowest, middle and highest channel frequencies individually.

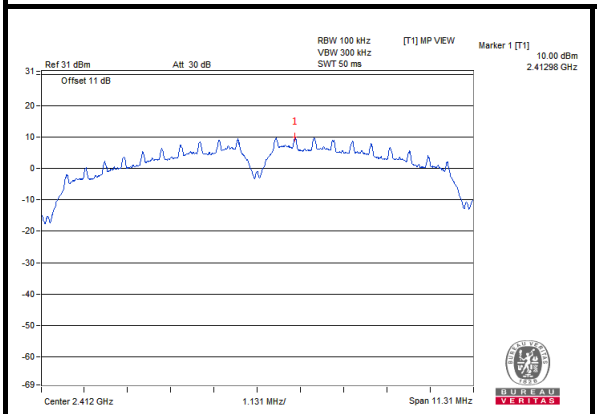
3.6.7 TEST RESULTS

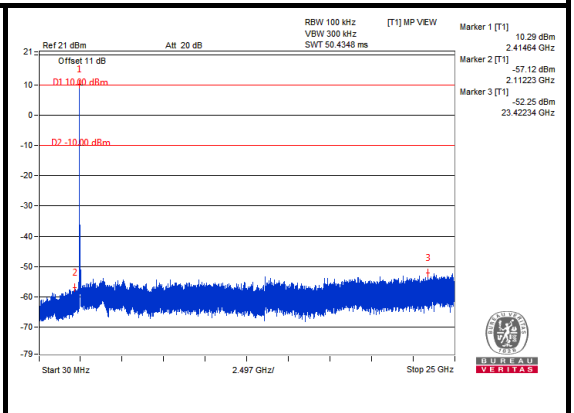
The spectrum plots are attached on the following images. D1 line indicates the highest level. D2 line indicates the 20dB offset below D1. It shows compliance to the requirement.

802.11b

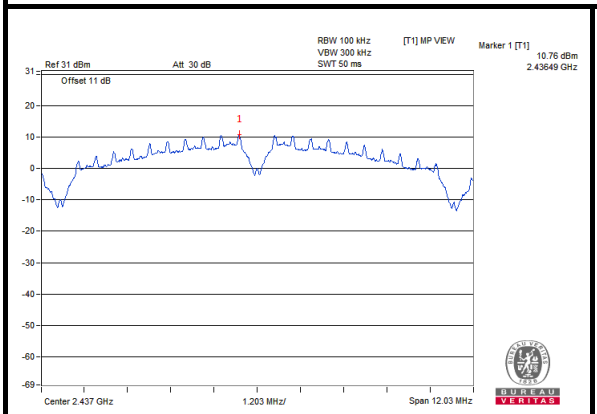
ANT 0

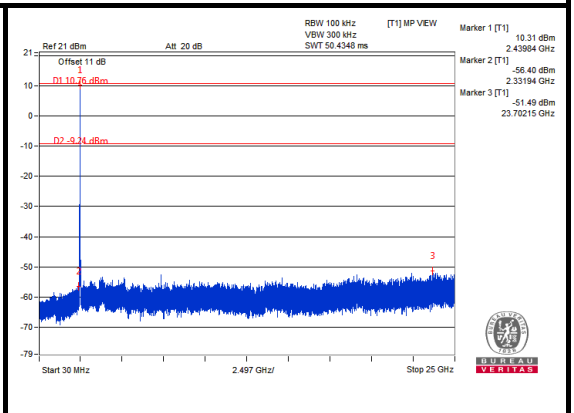
CH 1



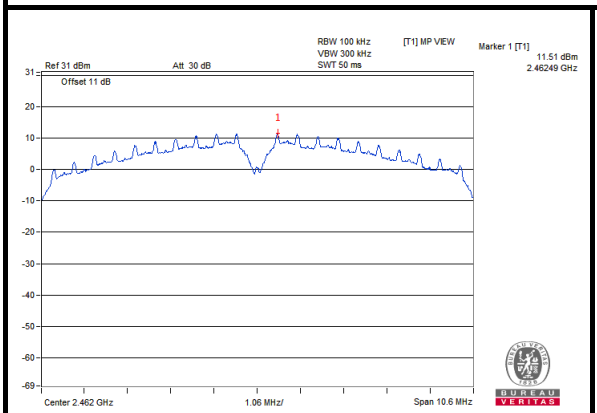


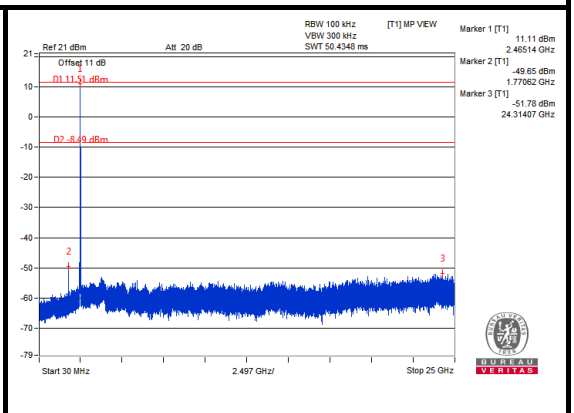
CH 6

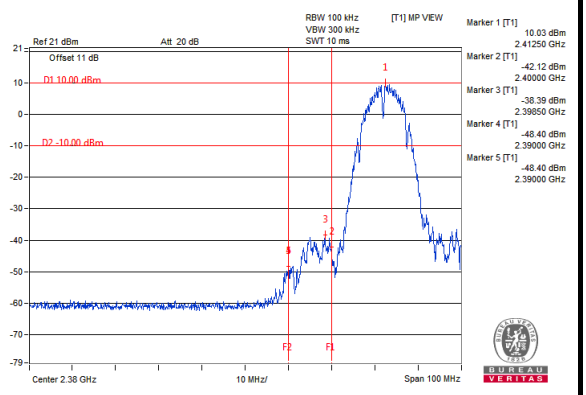
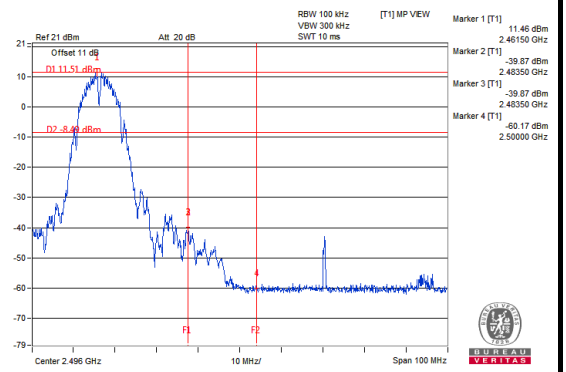




CH 11

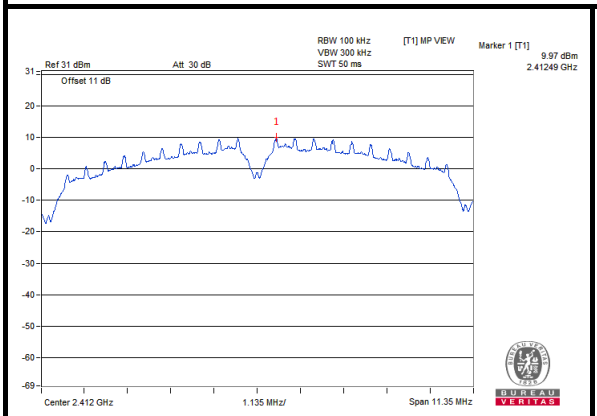


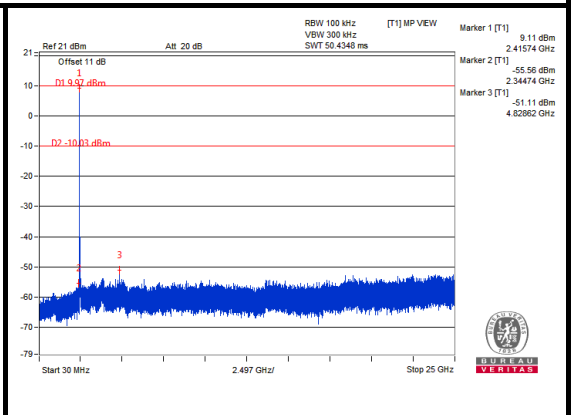


CH 1 Band Edge	CH 11 Band Edge
	

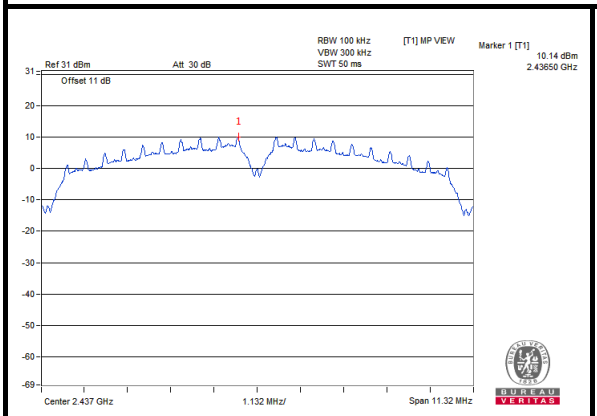
ANT 1

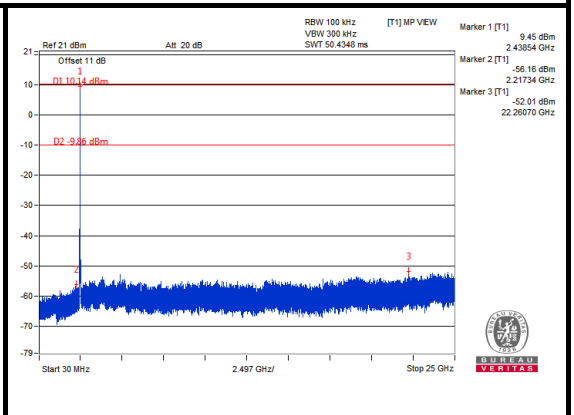
CH 1



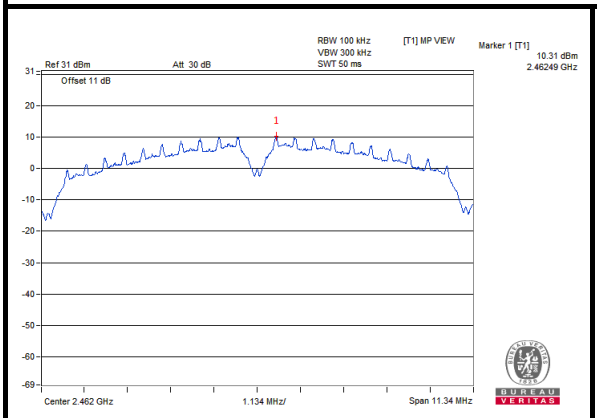


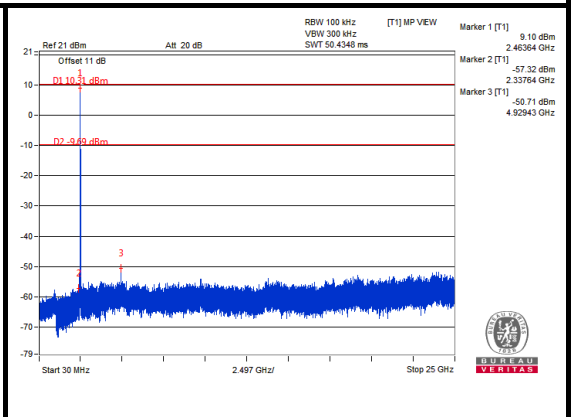
CH 6

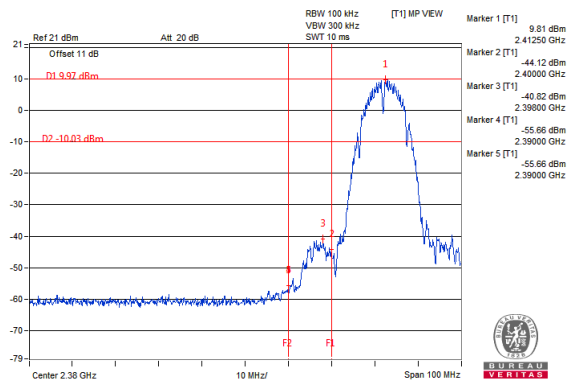
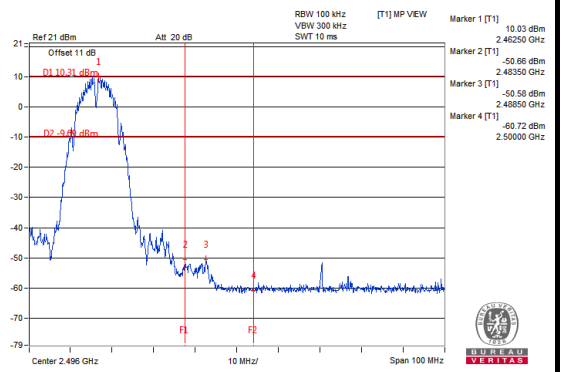




CH 11

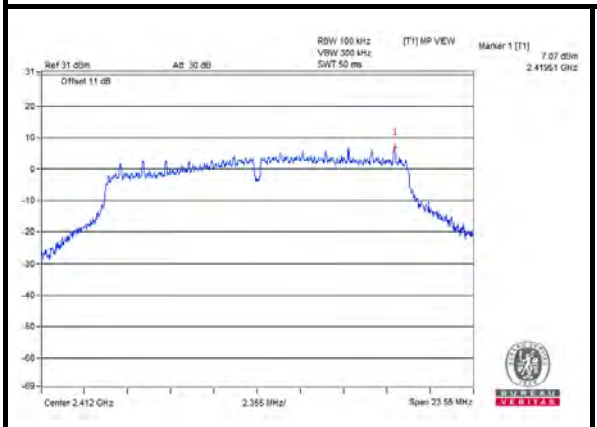


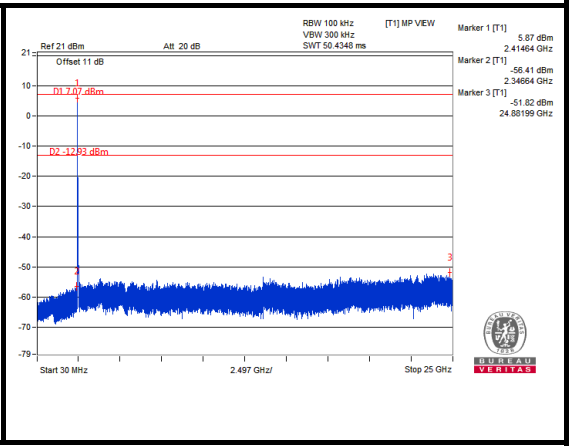


CH 1 Band Edge	CH 11 Band Edge
	

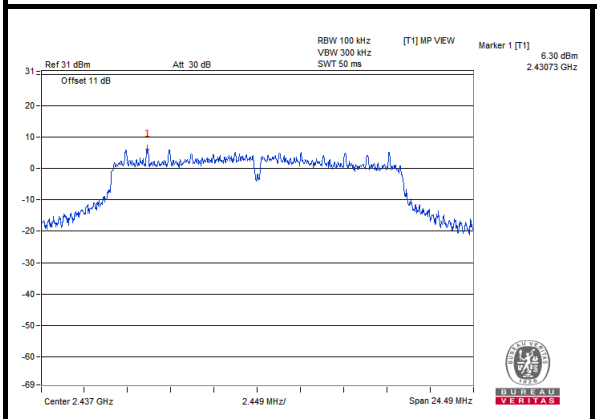
802.11g
ANT 0

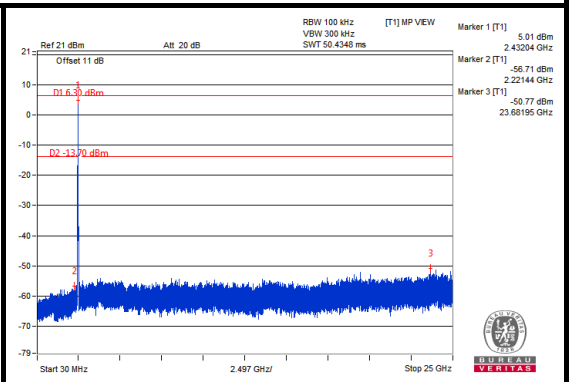
CH 1



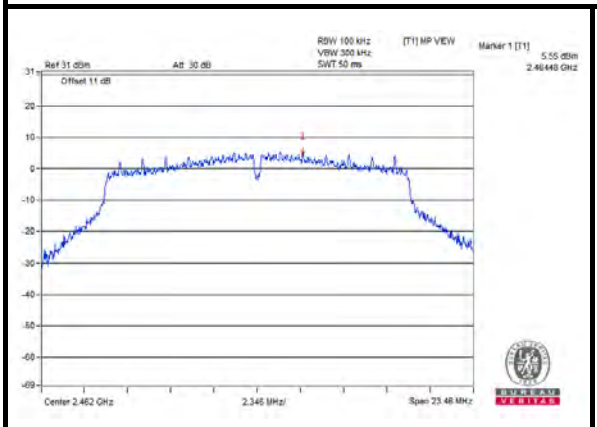


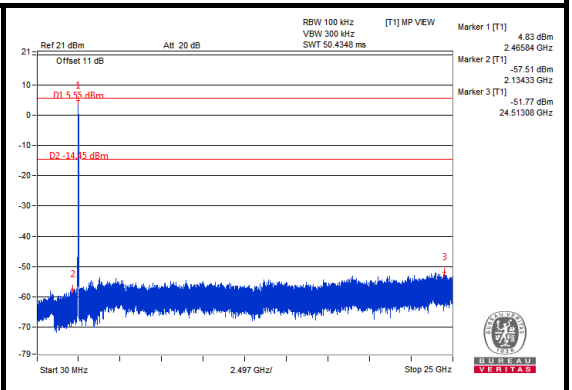
CH 6

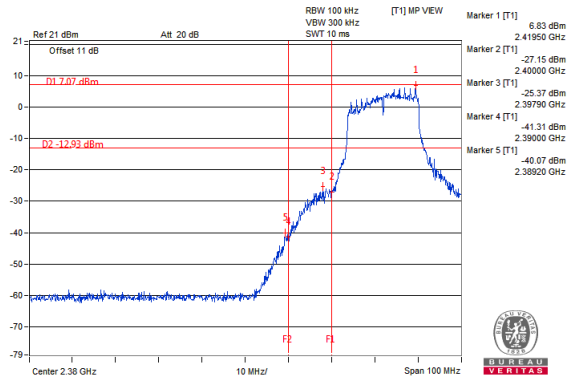
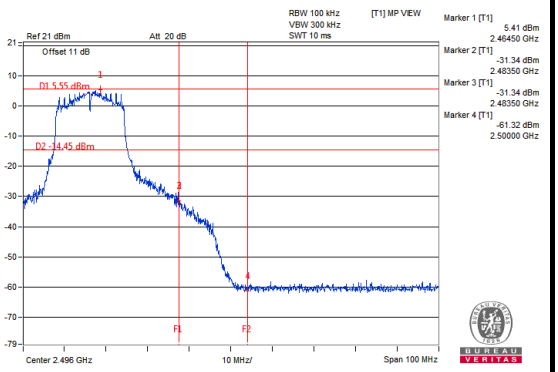




CH 11





CH 1 Band Edge	CH 11 Band Edge
	

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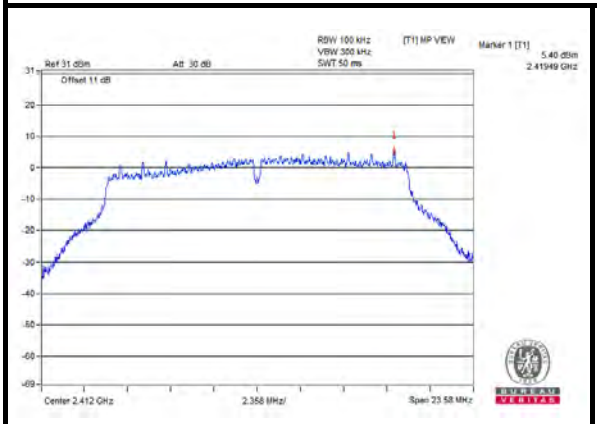

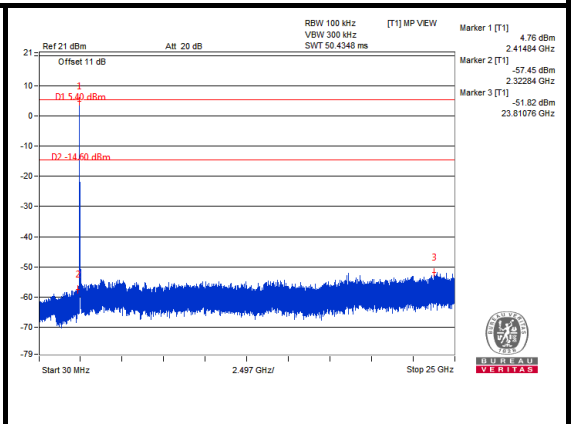

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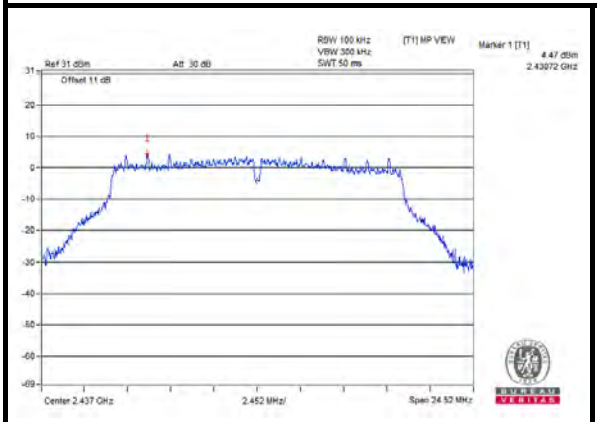

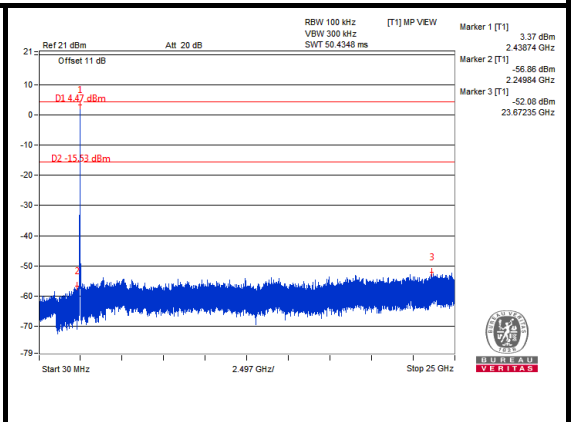

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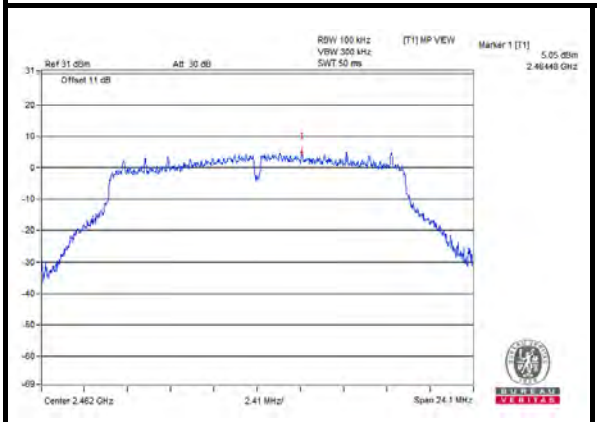
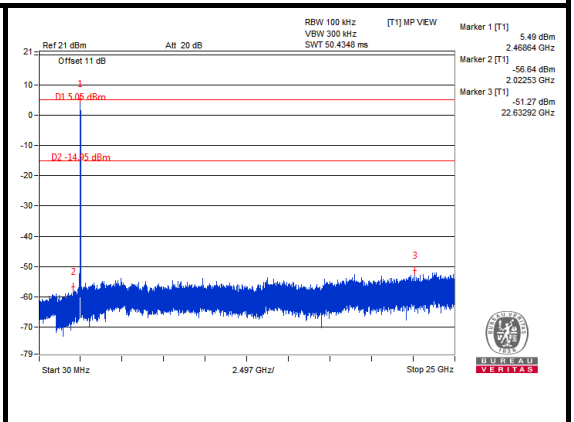
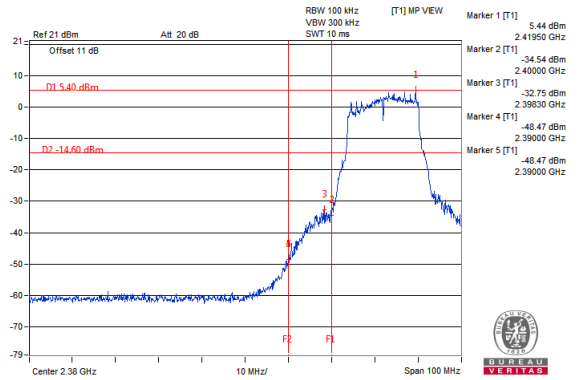
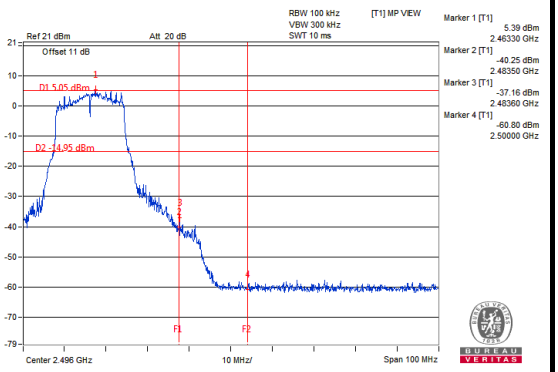




CH 1 Band Edge	CH 11 Band Edge
	

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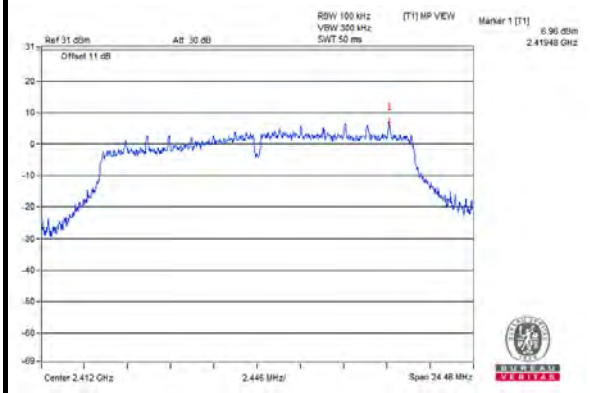

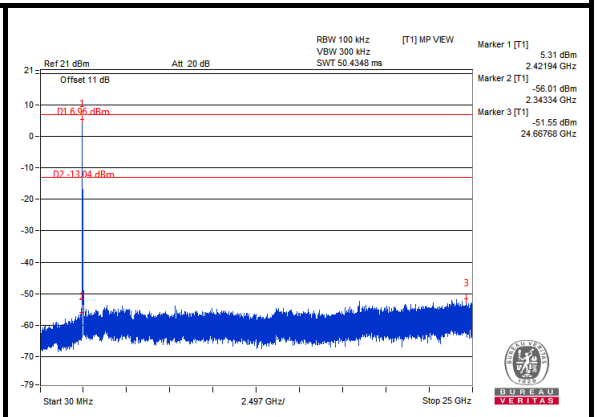

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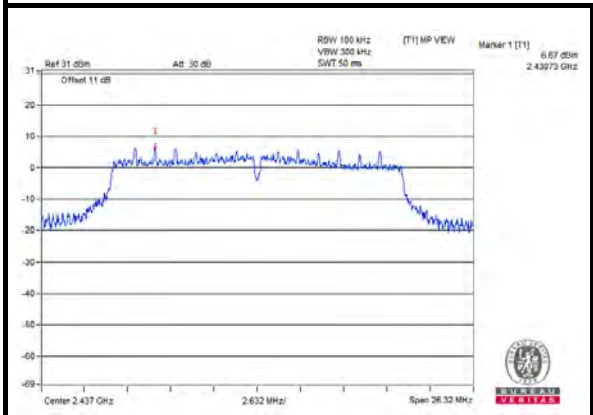

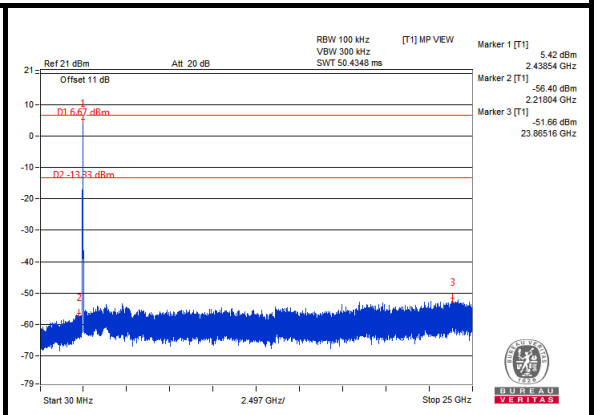

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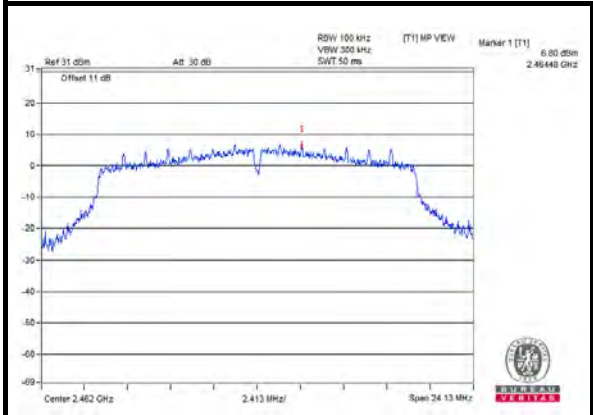
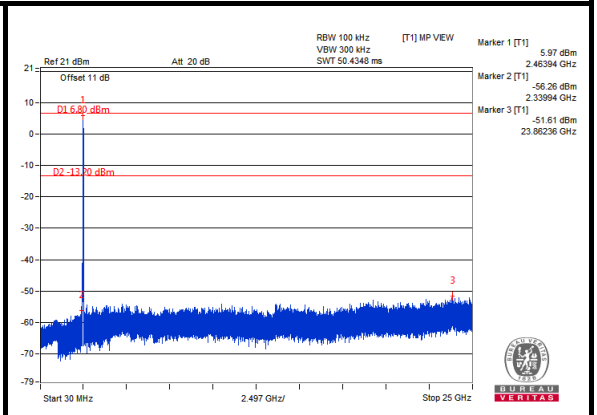
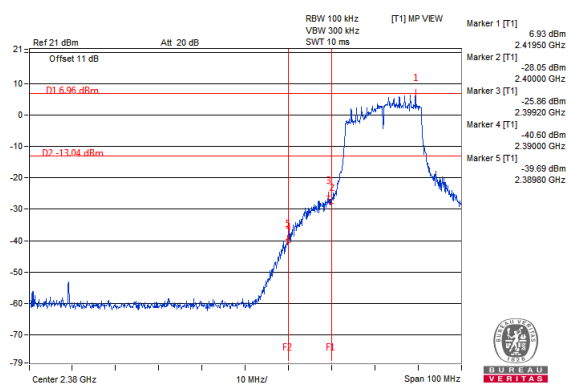
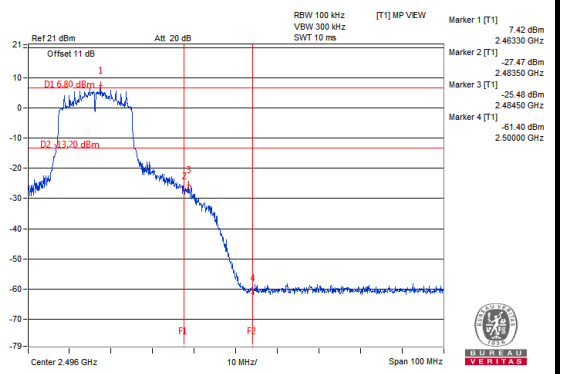




CH 1 Band Edge	CH 11 Band Edge
	

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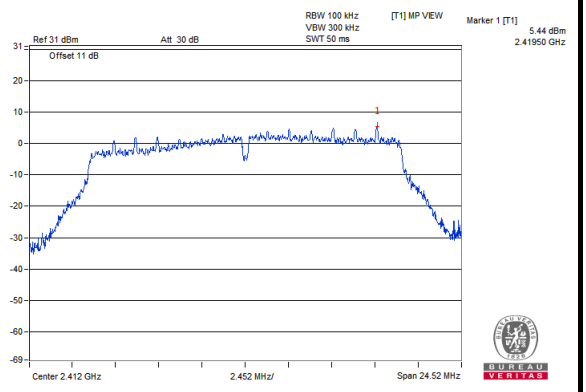
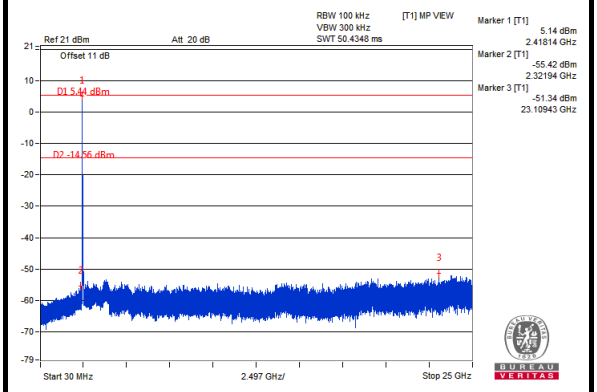
CH 1





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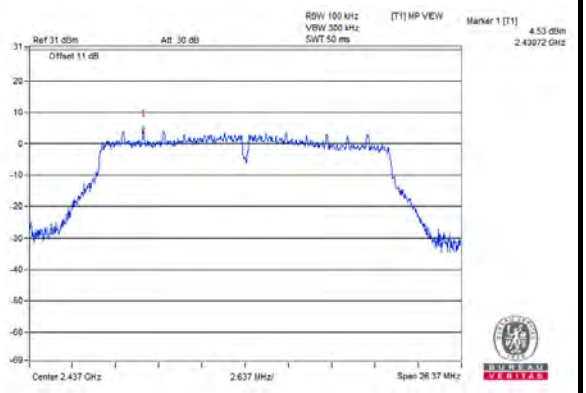

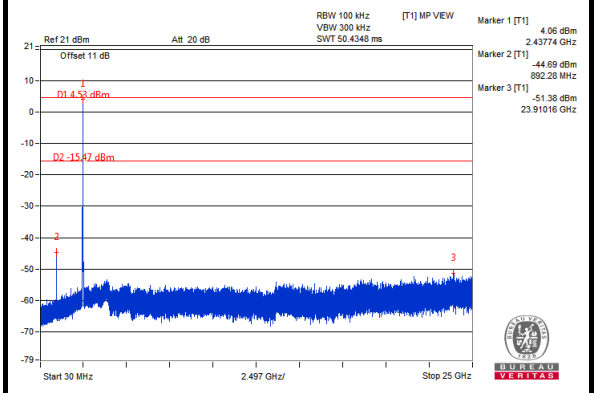

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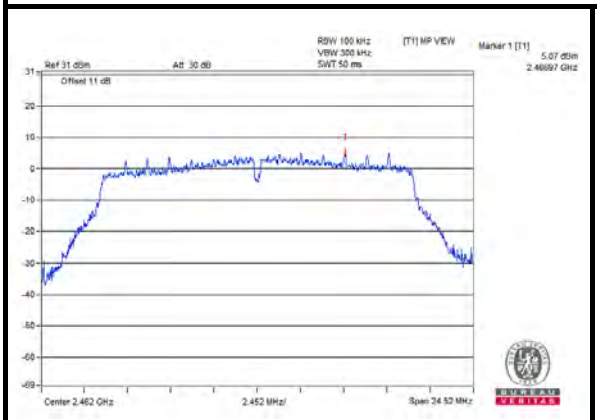
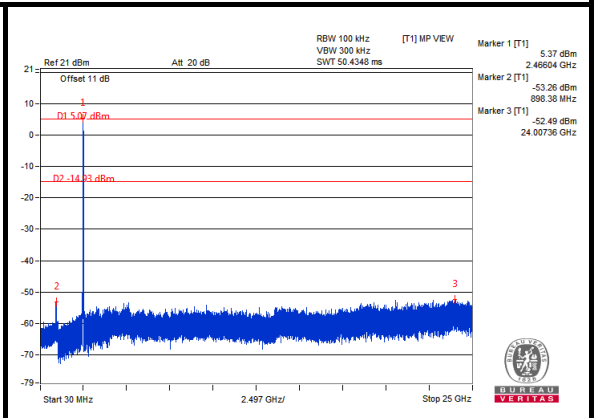
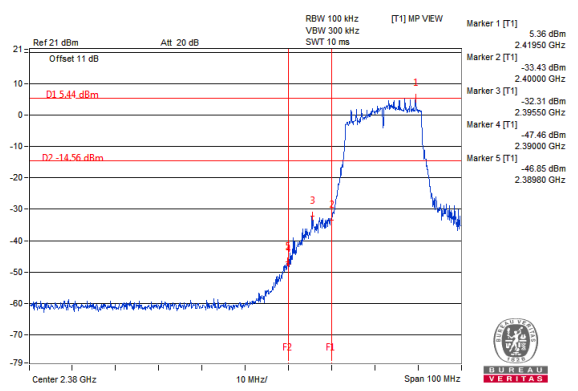
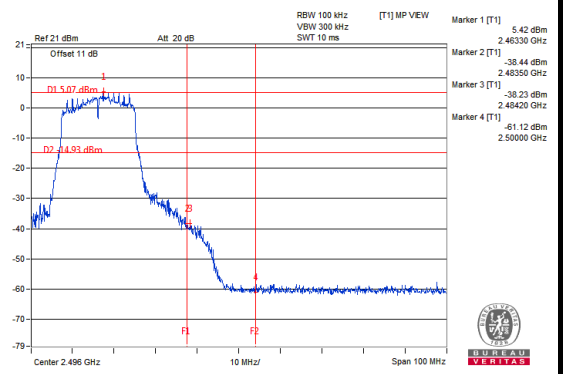




CH 1 Band Edge	CH 11 Band Edge
	

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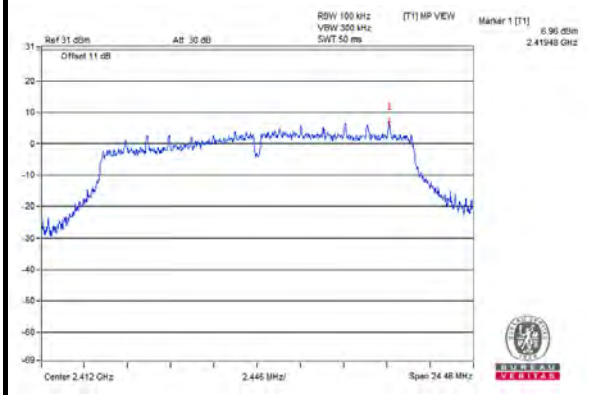

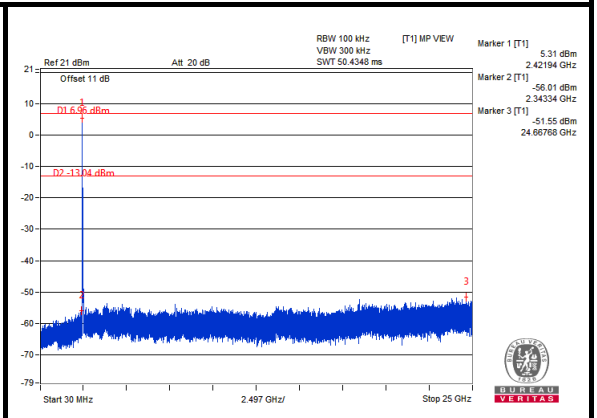

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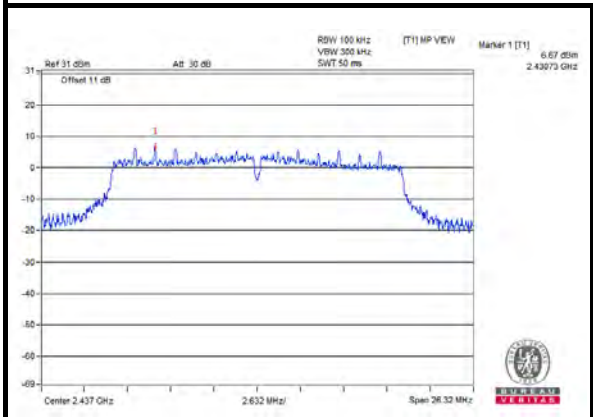

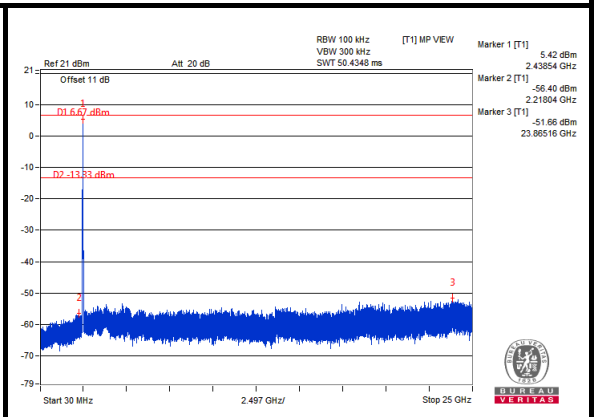

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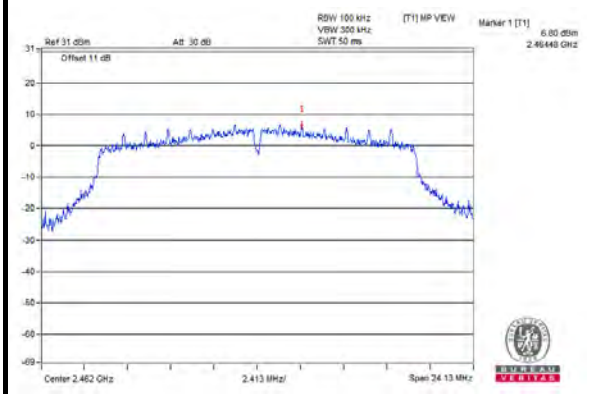
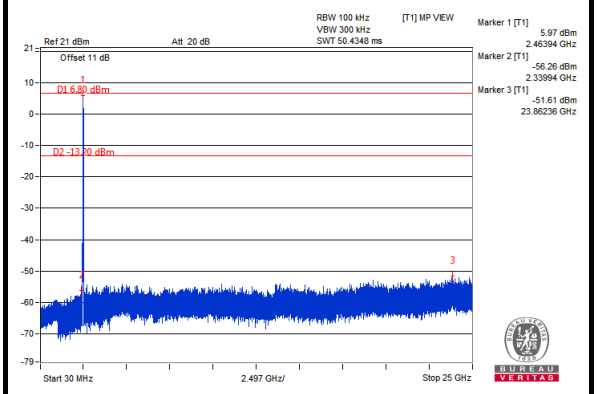
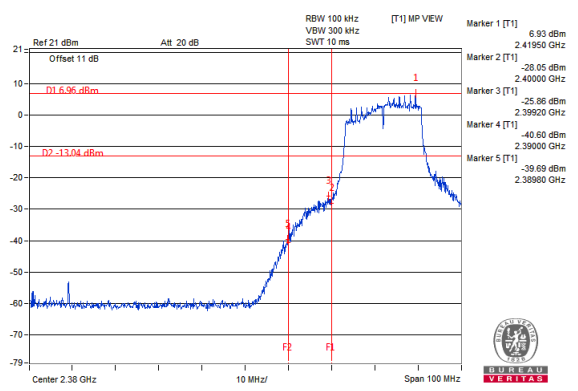
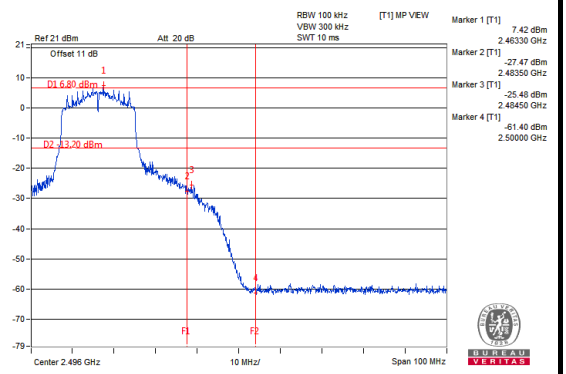




CH 1 Band Edge	CH 11 Band Edge
	

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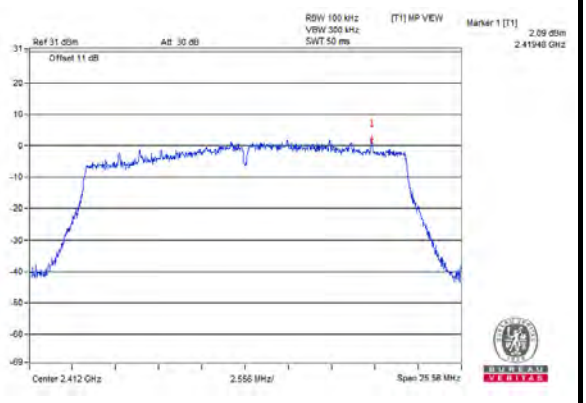
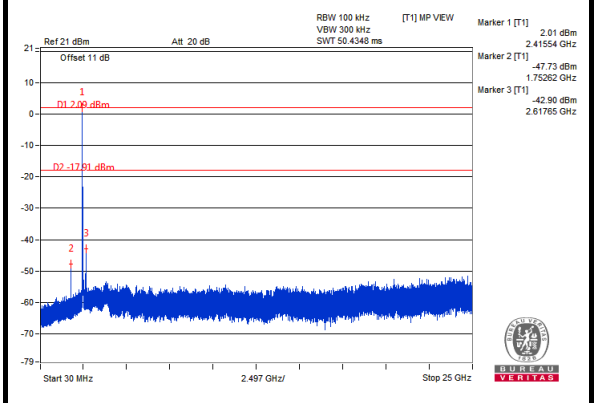
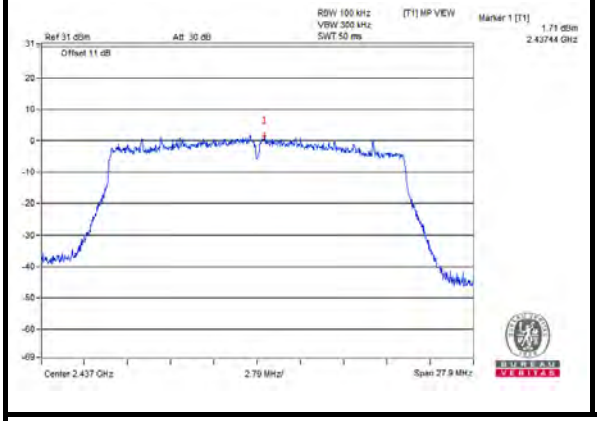
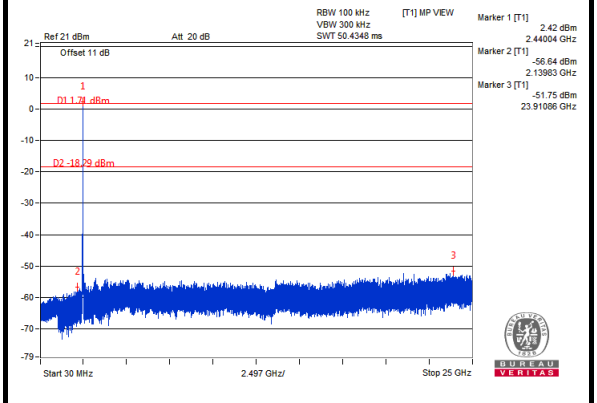
CH 1





CH 6





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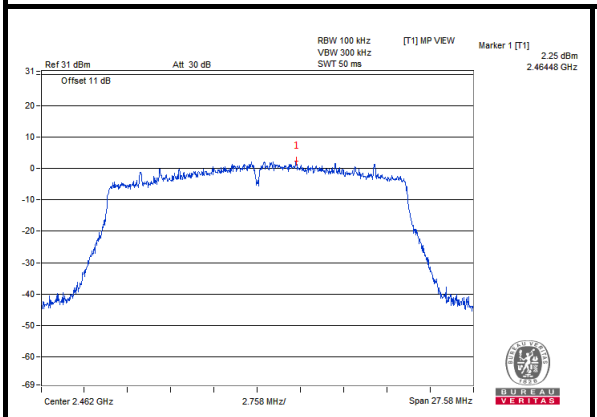
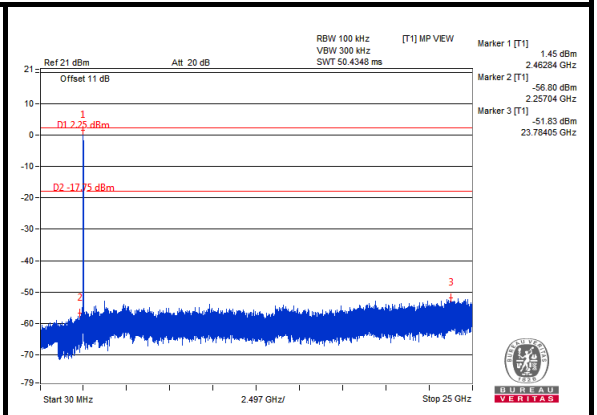
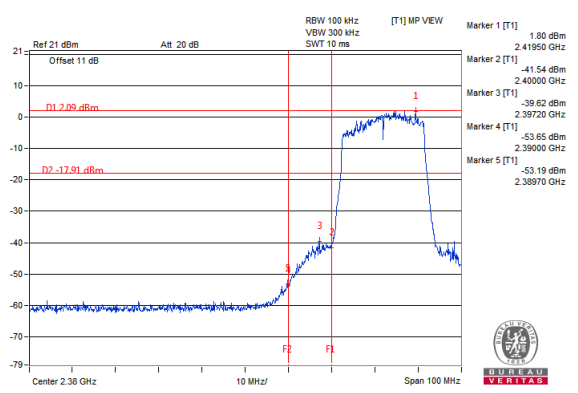
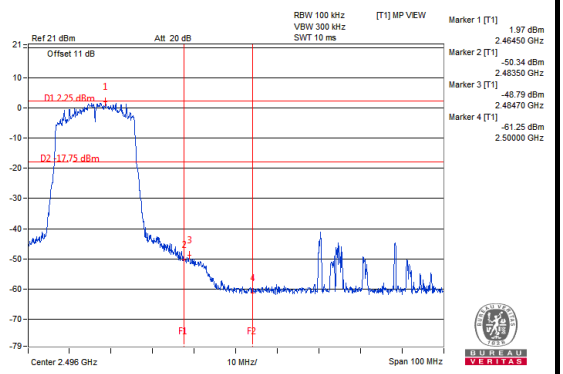




CH 1 Band Edge	CH 11 Band Edge
	

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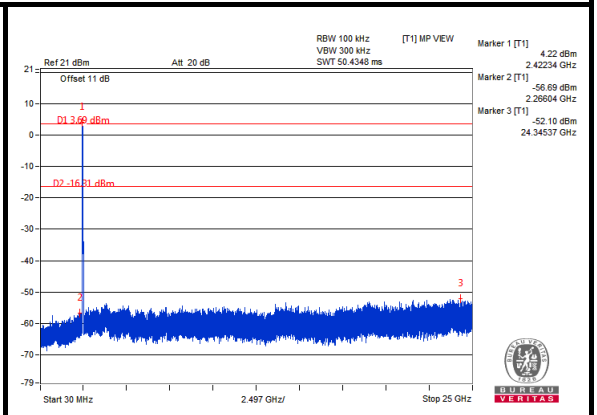
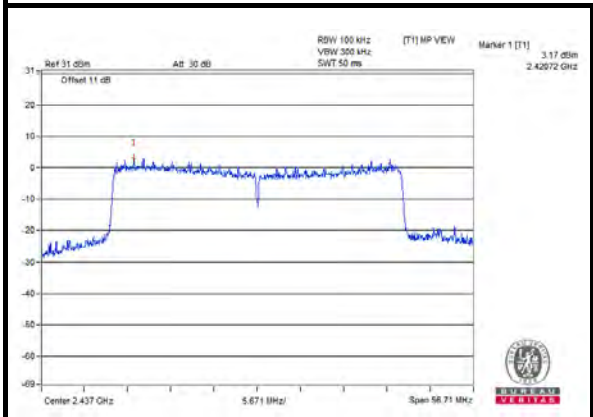
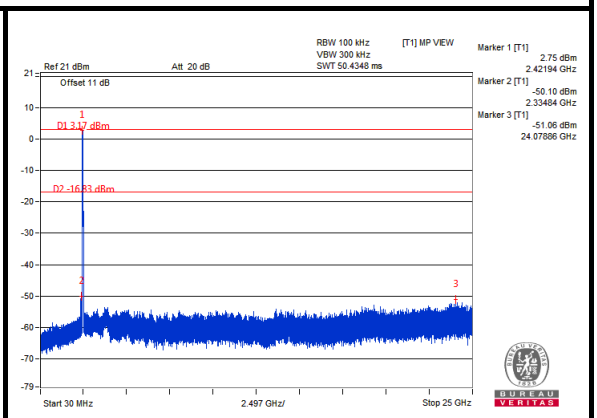


CH 6





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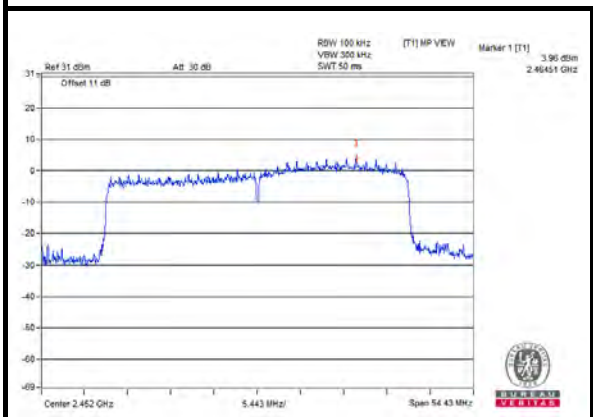
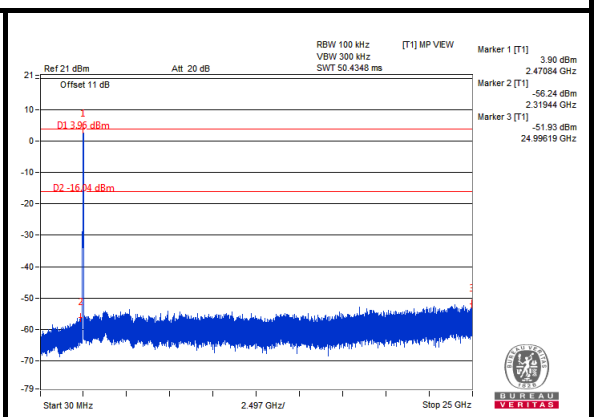
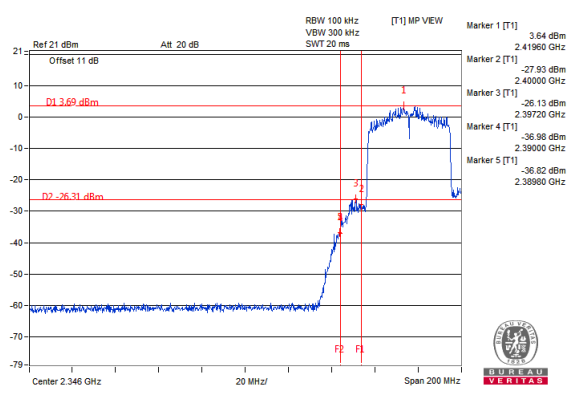
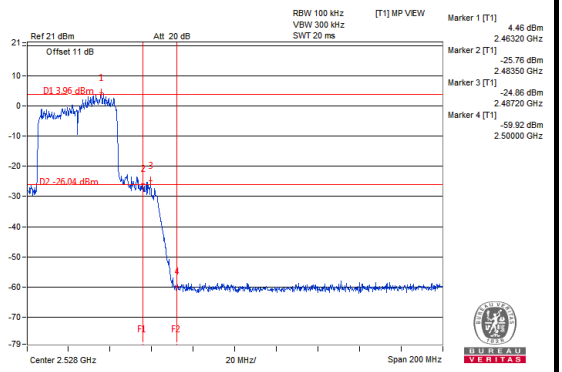




CH 1 Band Edge	CH 11 Band Edge
	

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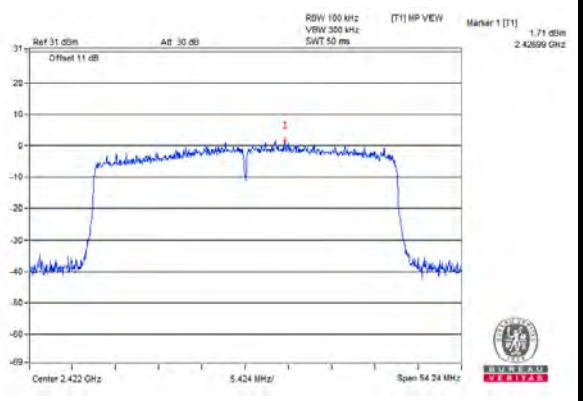
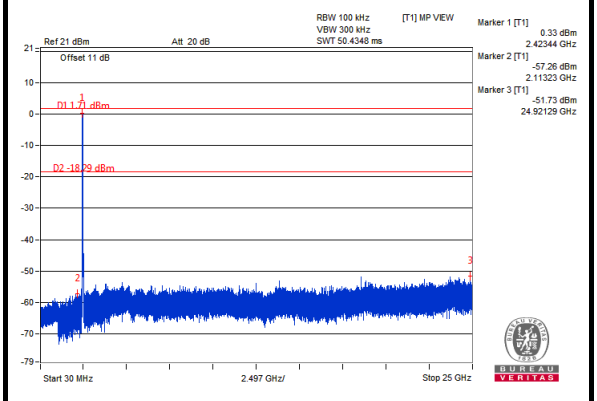
CH 3





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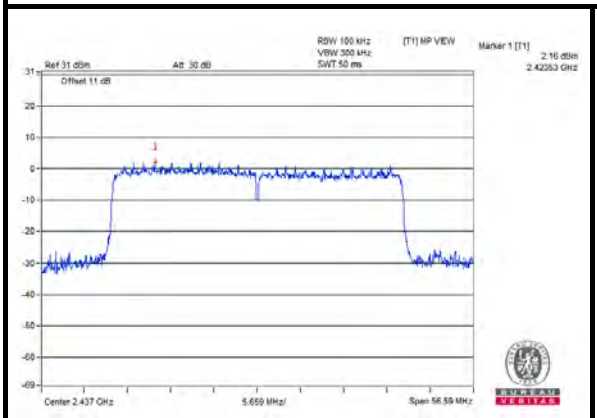

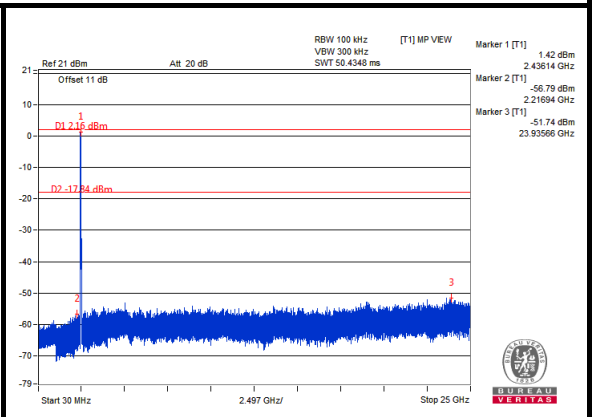

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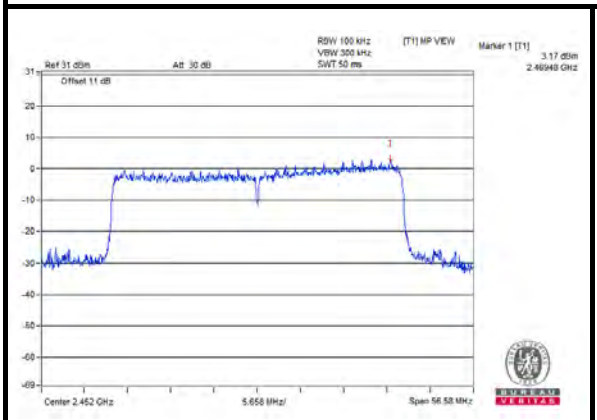
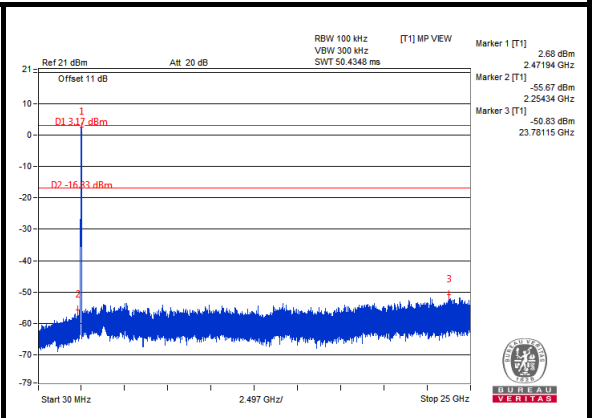
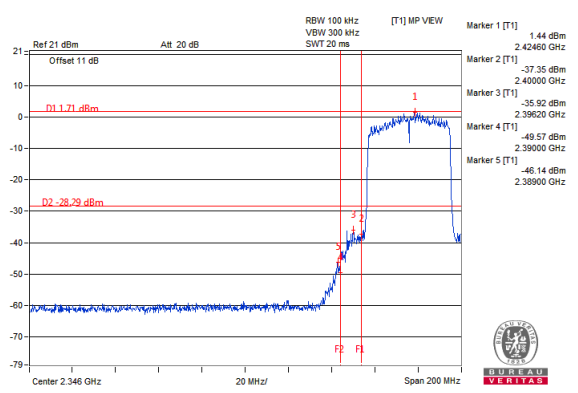
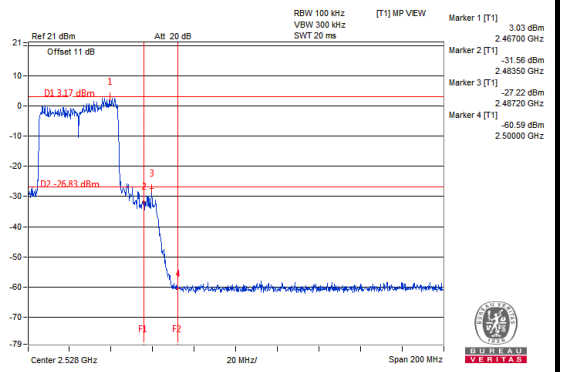




CH 3 Band Edge	CH 9 Band Edge
	

802.11ax (40MHz)

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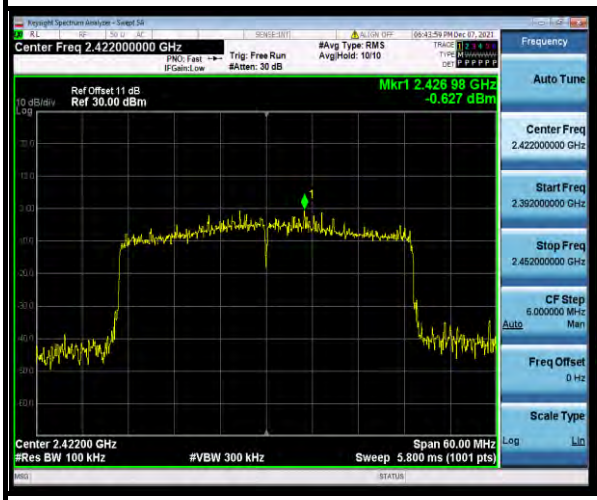
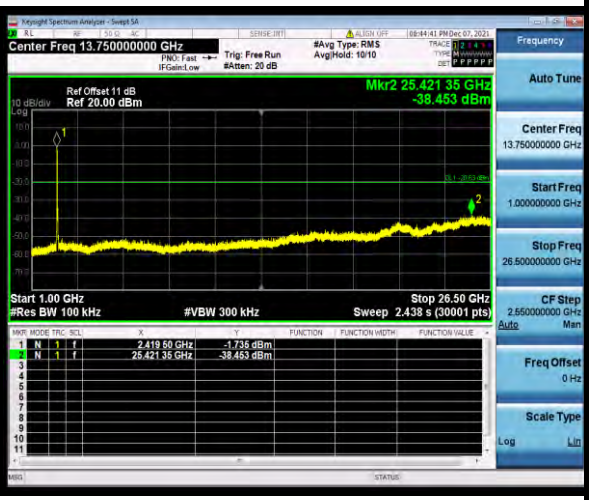
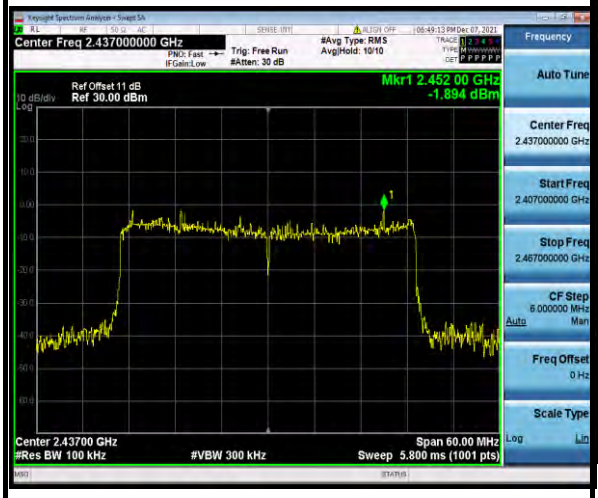
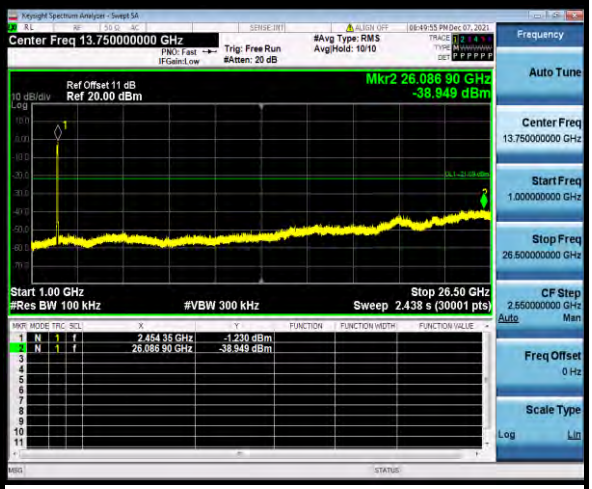
CH 3



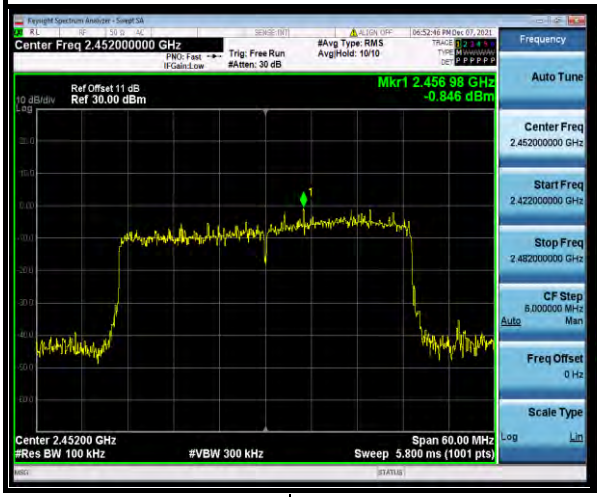


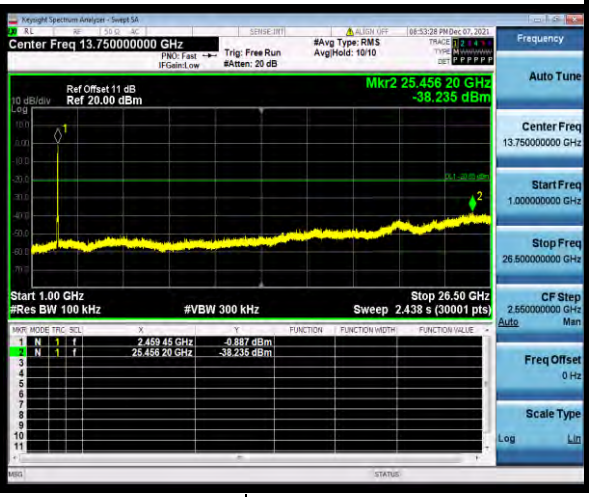
CH 6

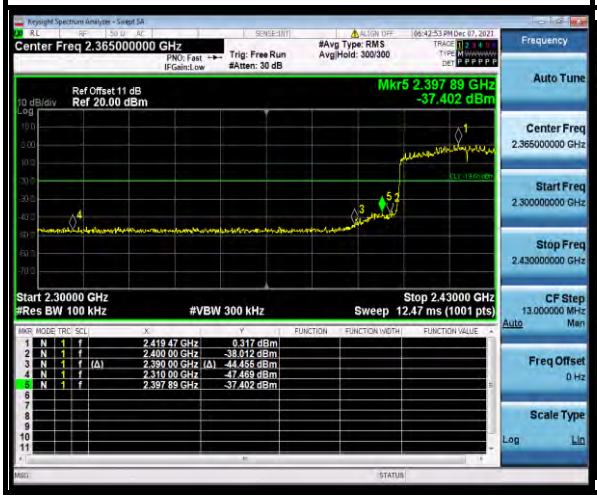




CH 9

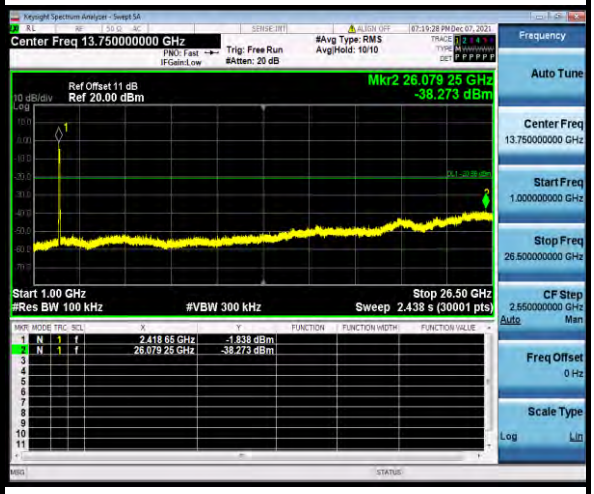




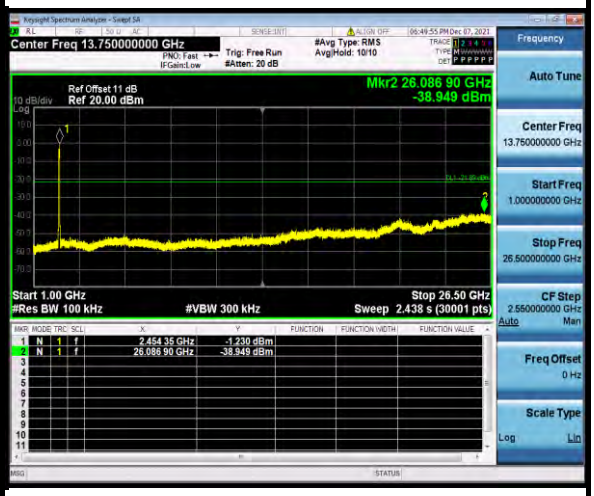
CH 3 Band Edge	CH 9 Band Edge
	

ANT 1

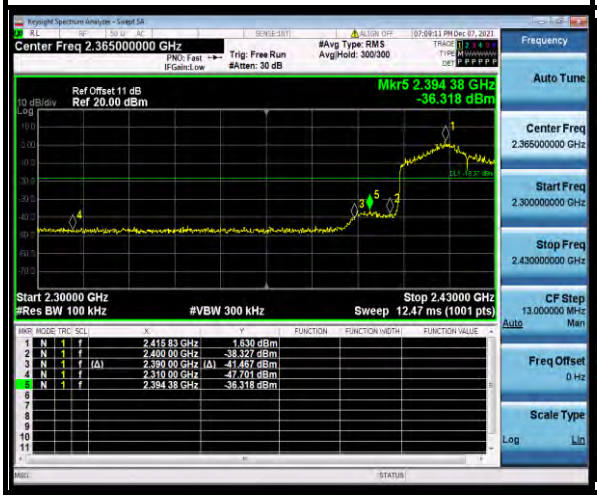
CH 3



CH 6

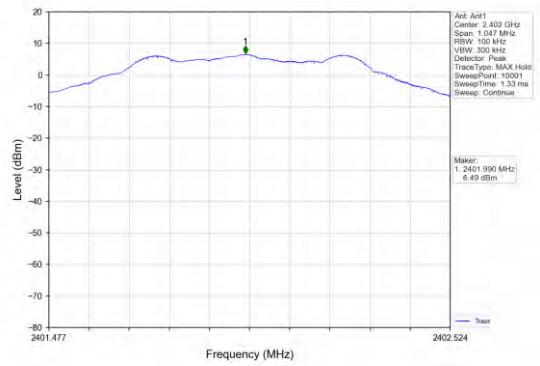


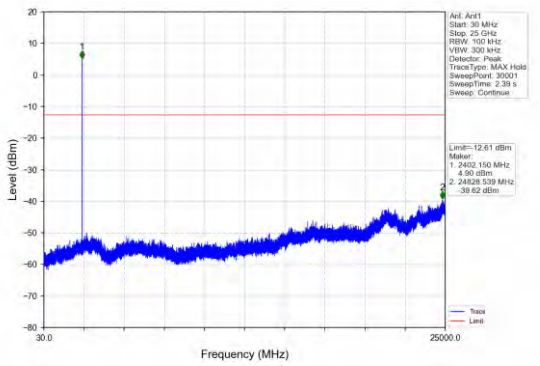
CH 9

CH 3 Band Edge	CH 9 Band Edge
	

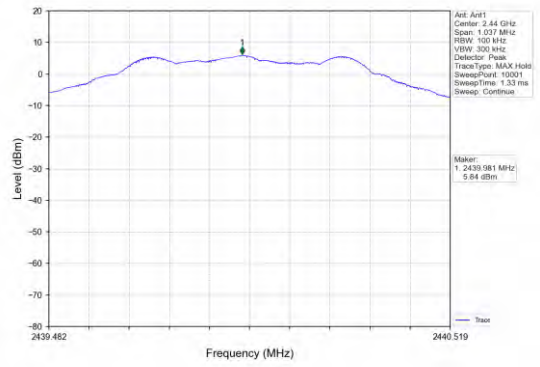
BT-LE (1MHz)

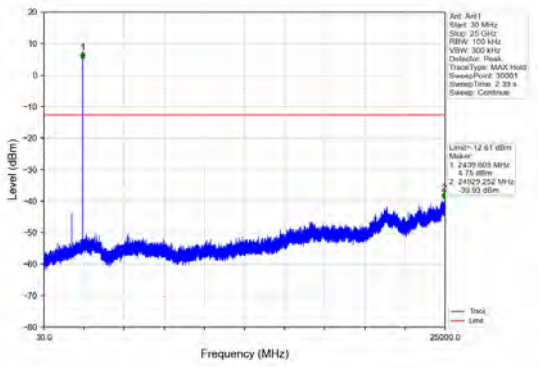
CH 0



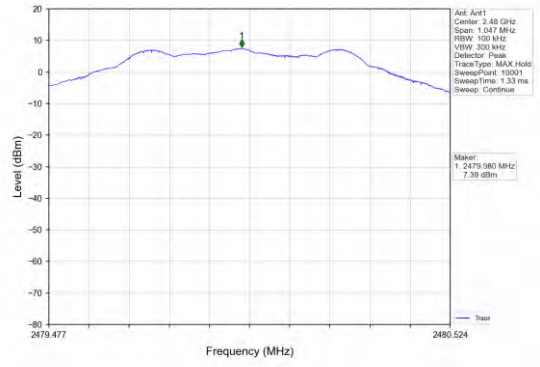


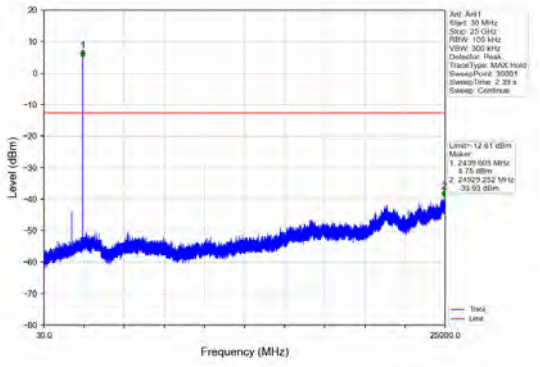
CH 19

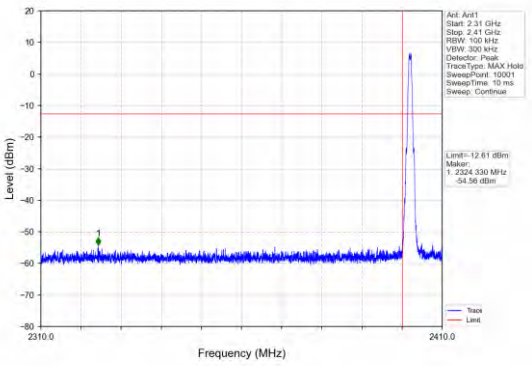
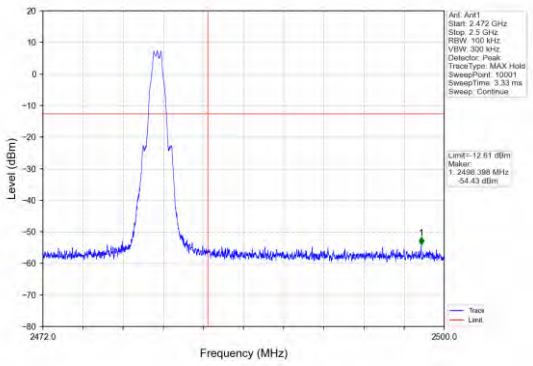




CH 39

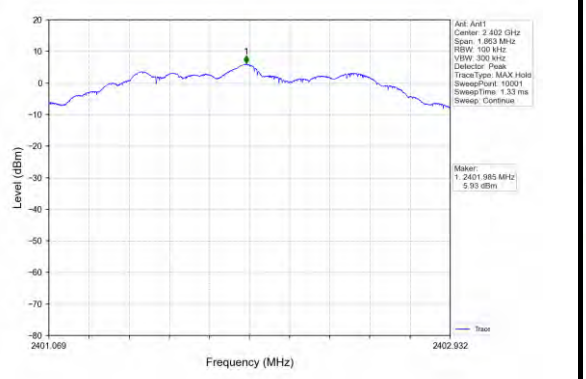


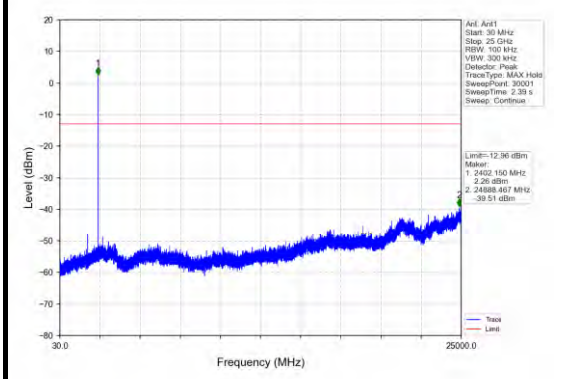


CH 0 Band Edge	CH 39 Band Edge
	

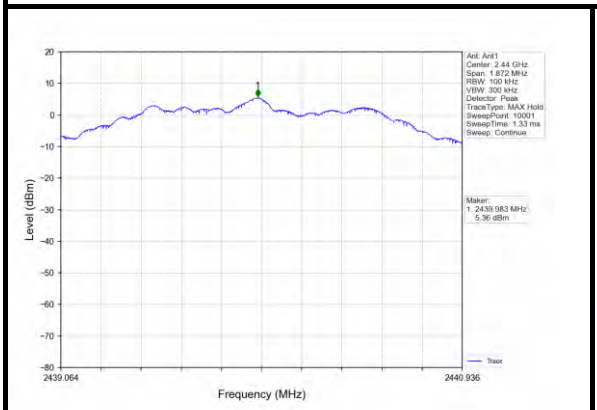
BT-LE (2MHz)

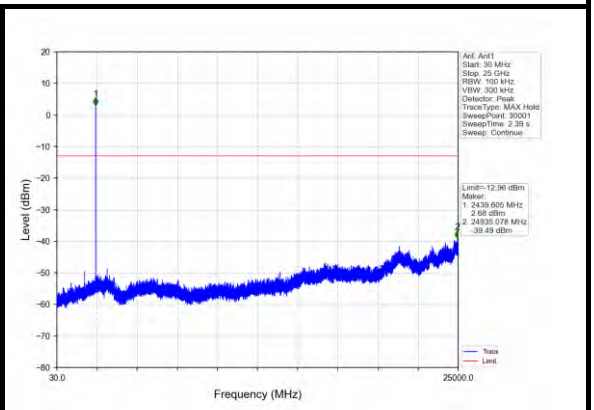
CH 0



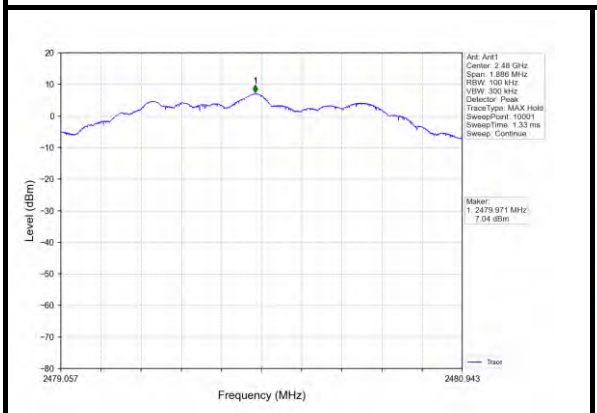


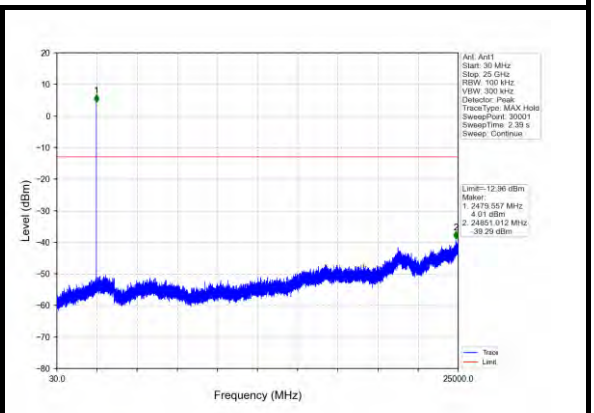
CH 19

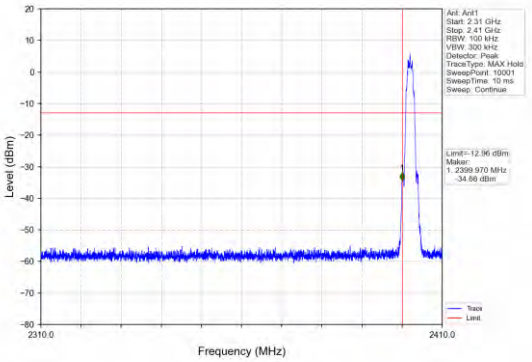
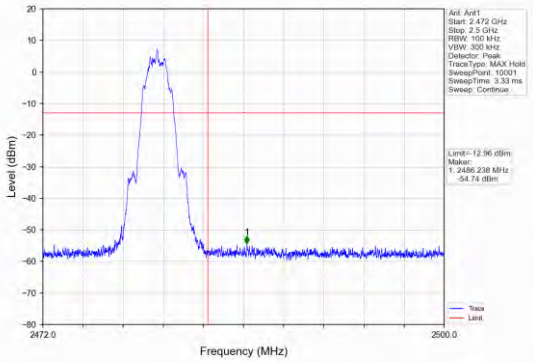




CH 39

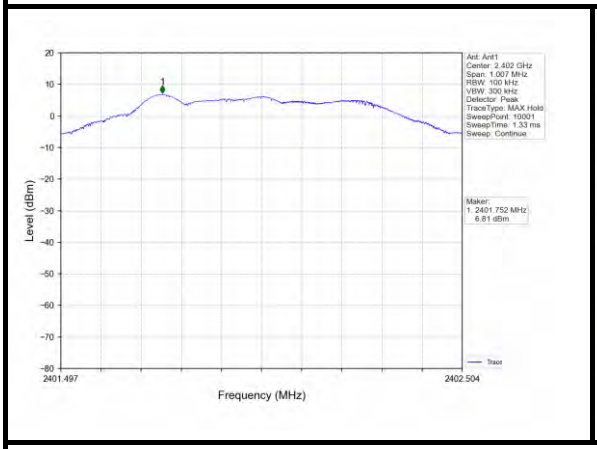


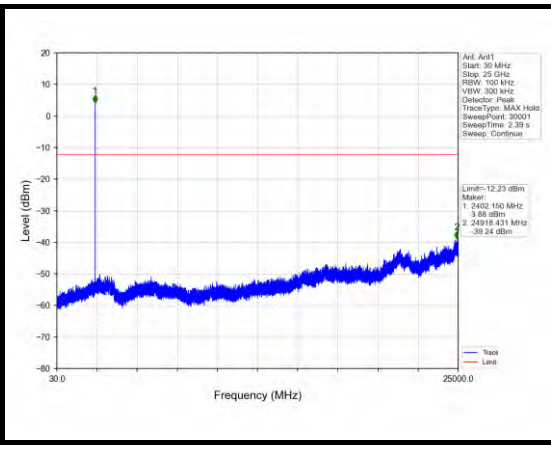


CH 0 Band Edge	CH 39 Band Edge
	

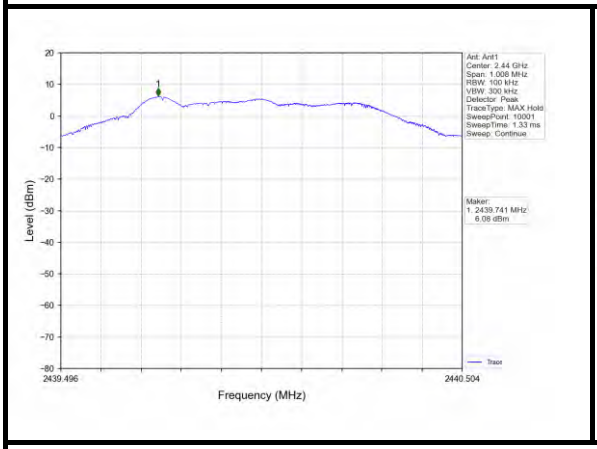
BT-LE (S2)

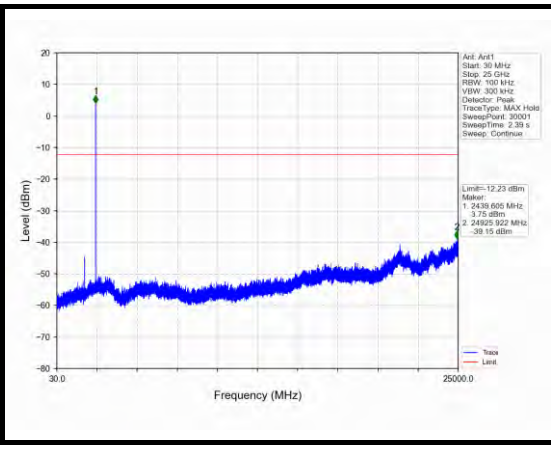
CH 0



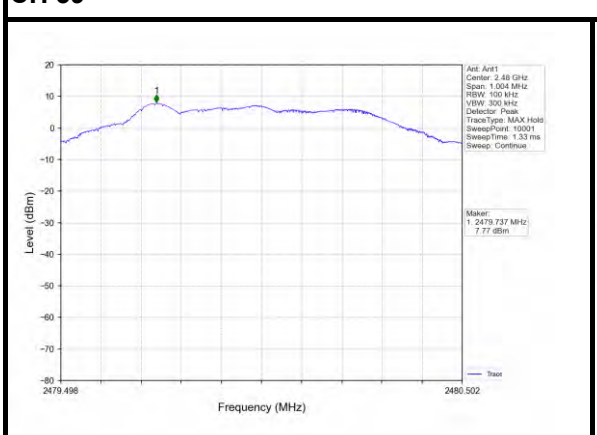


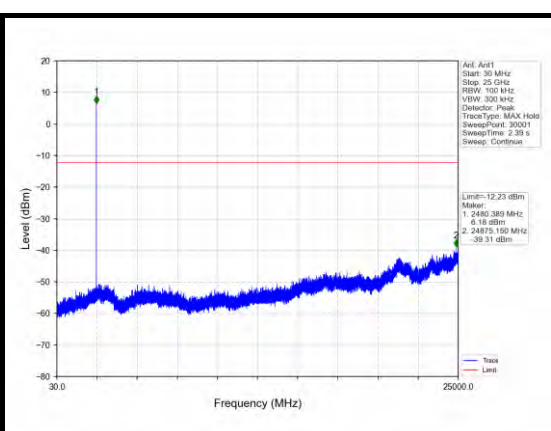
CH 19

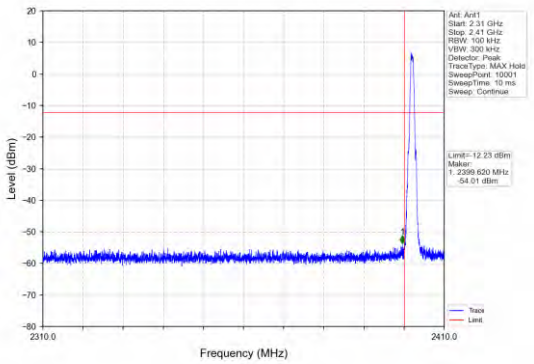
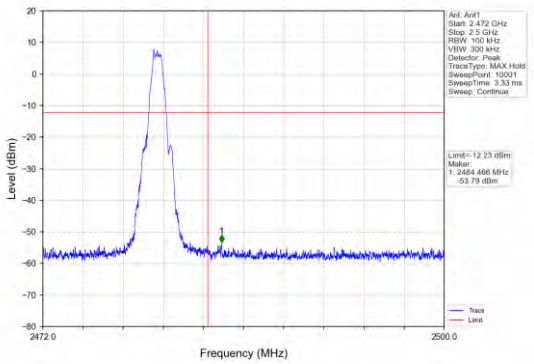




CH 39

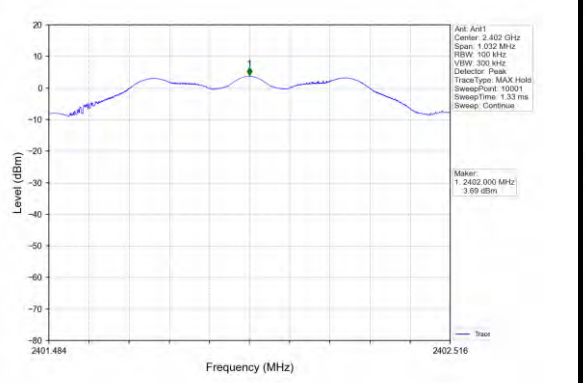


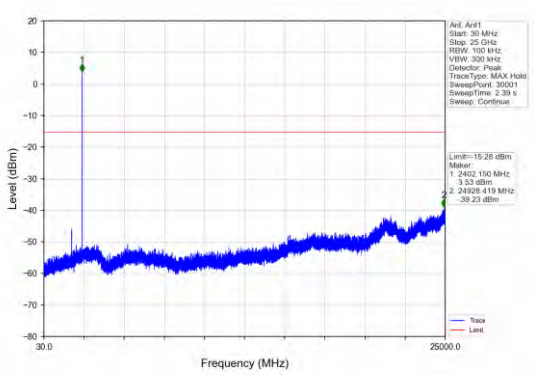


CH 0 Band Edge	CH 39 Band Edge
	

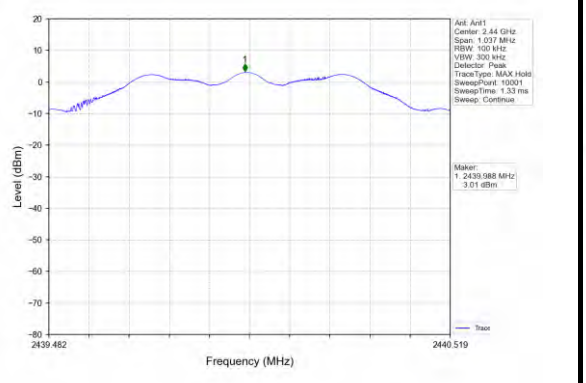
BT-LE (S8)

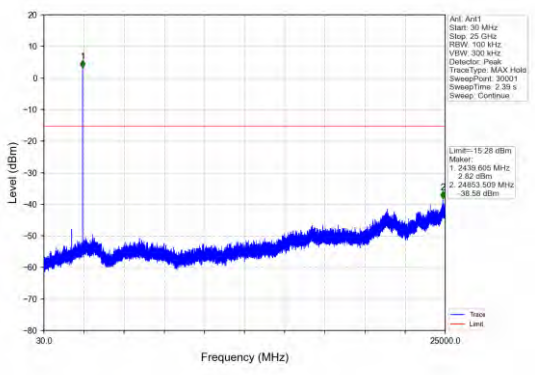
CH 0



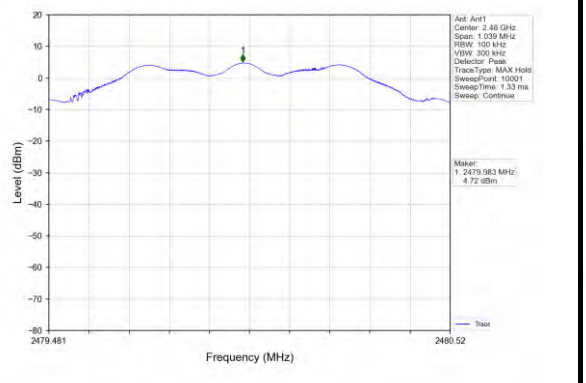


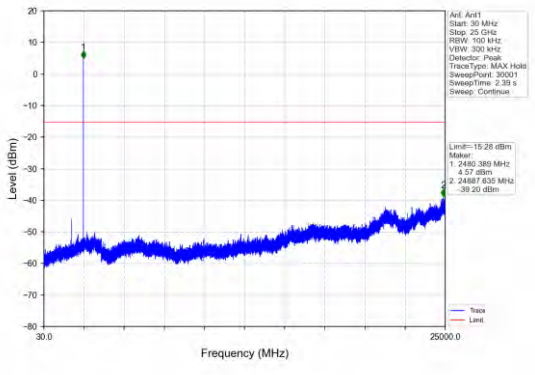
CH 19

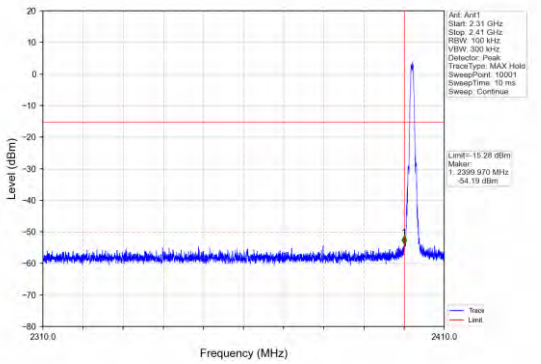
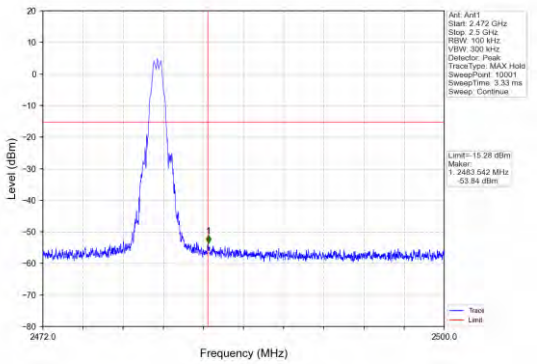




CH 39

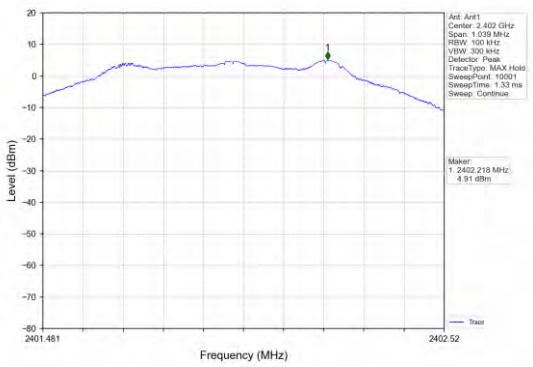


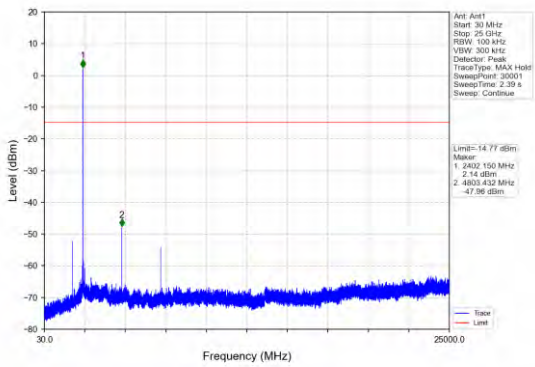


CH 0 Band Edge	CH 39 Band Edge
	

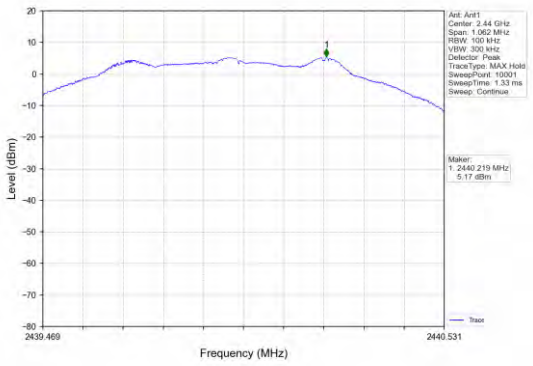
2SECEND-BT-LE (1MHz)

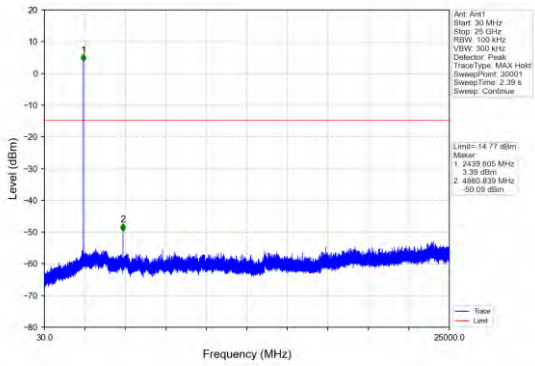
CH 0



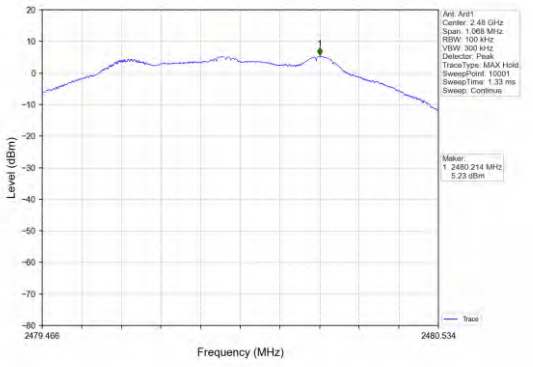


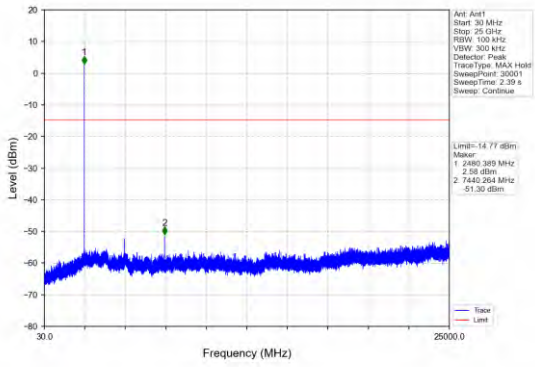
CH 19

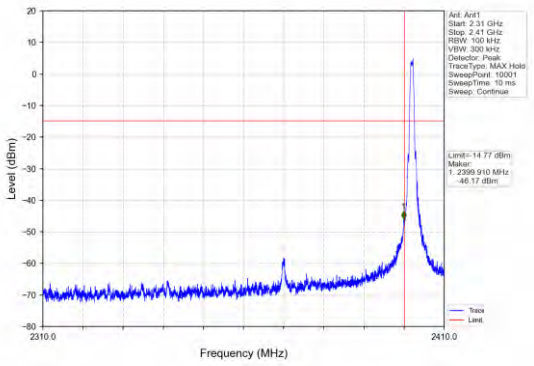
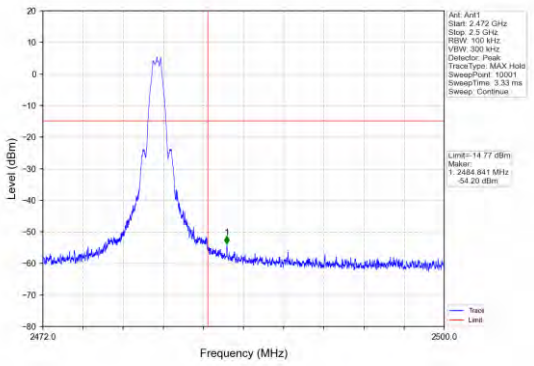




CH 39

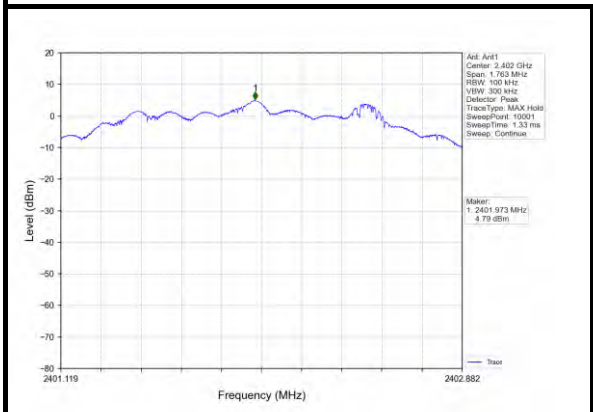


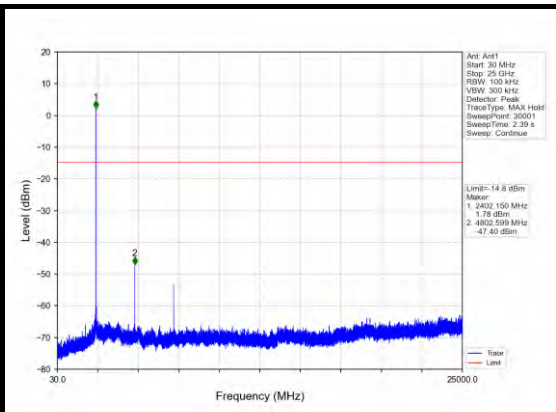


CH 0 Band Edge	CH 39 Band Edge
	

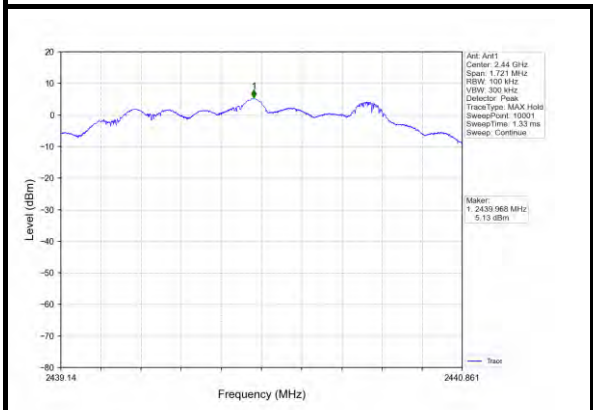
2SECEND-BT-LE (2MHz)

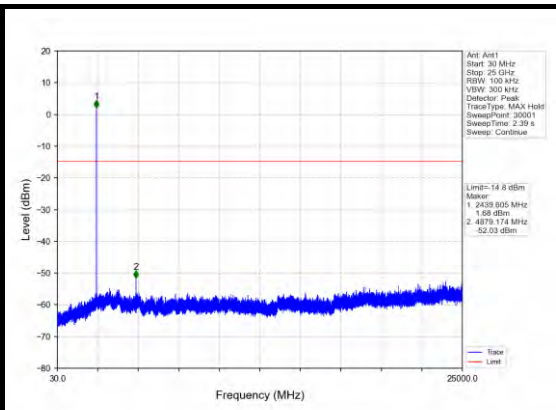
CH 0



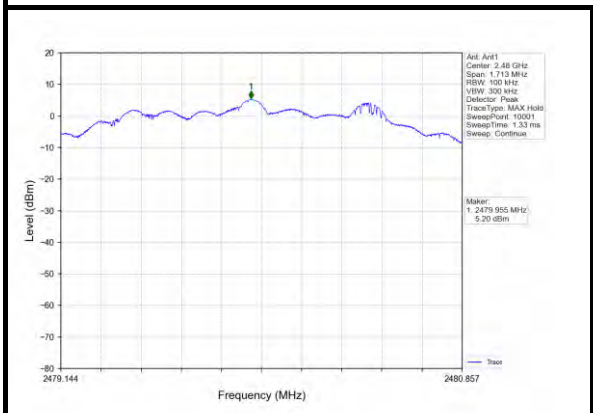


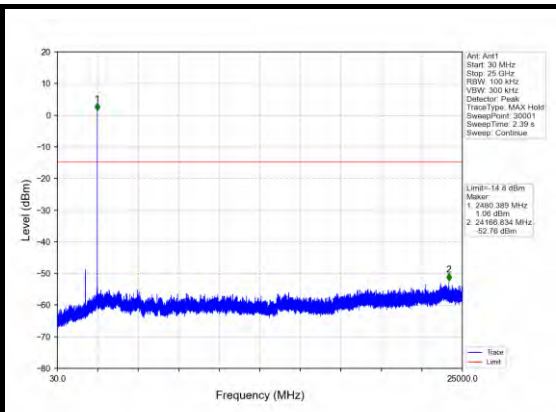
CH 19

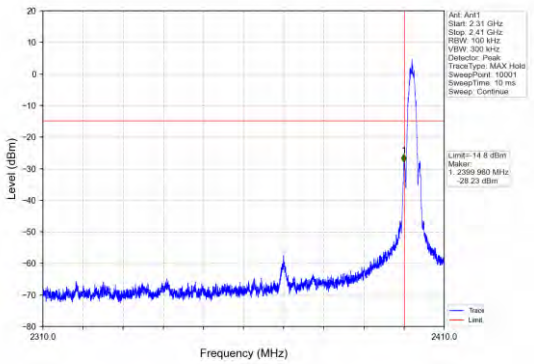
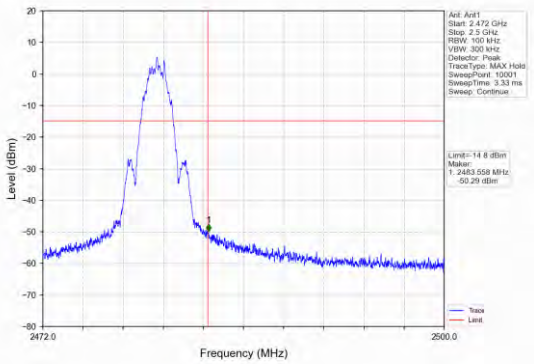




CH 39

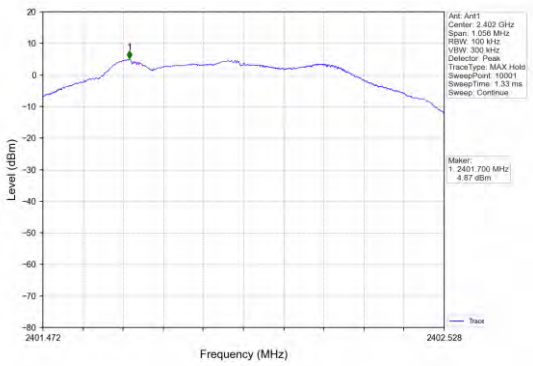


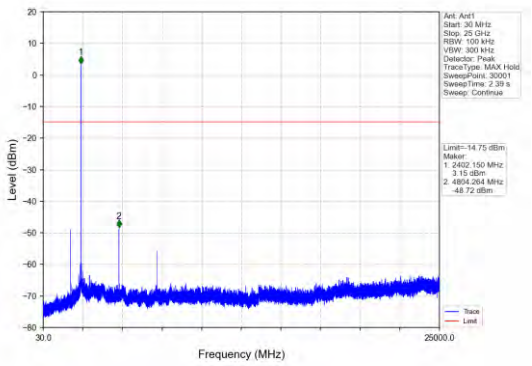


CH 0 Band Edge	CH 39 Band Edge
	

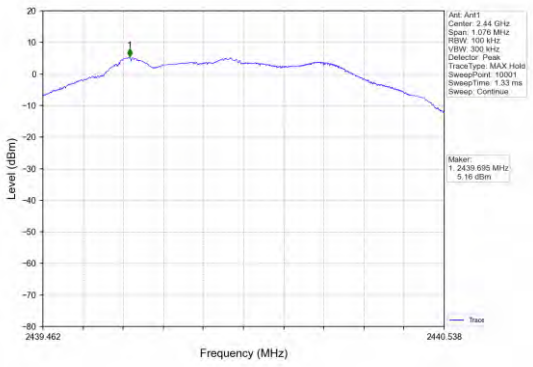
2SECEND-BT-LE (S2)

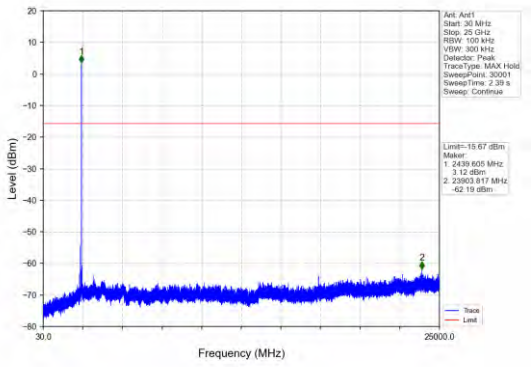
CH 0



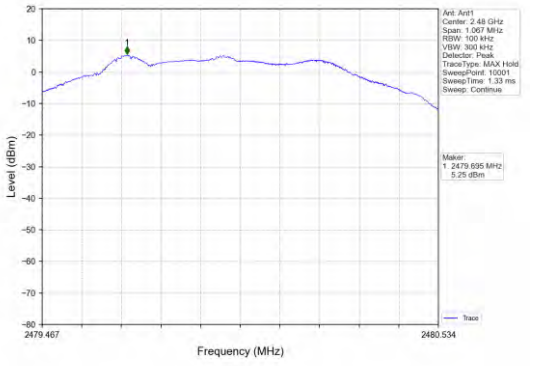


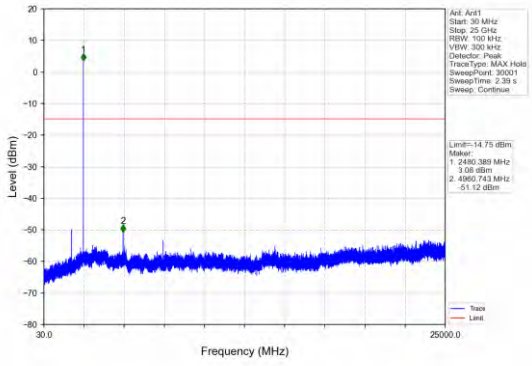
CH 19

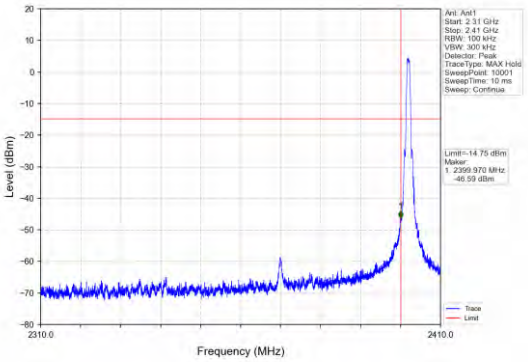
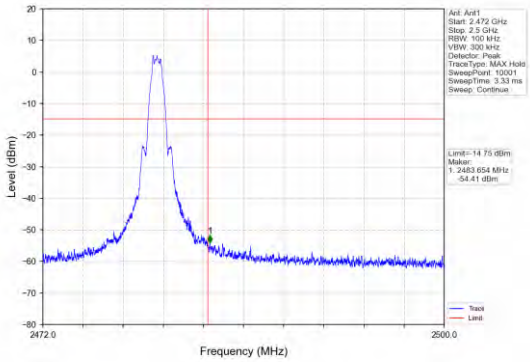




CH 39

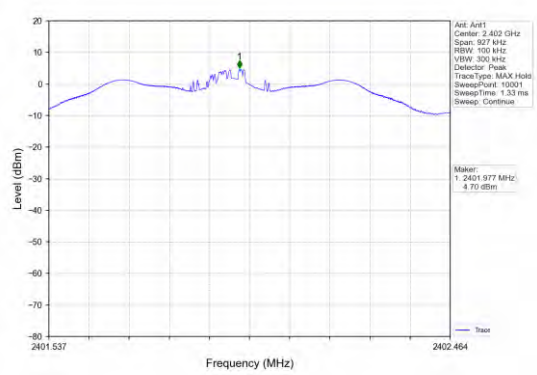


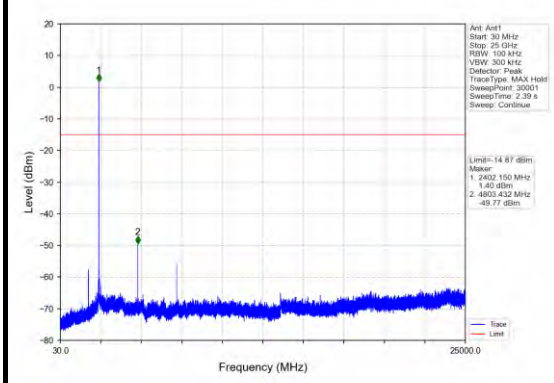


CH 0 Band Edge	CH 39 Band Edge
	

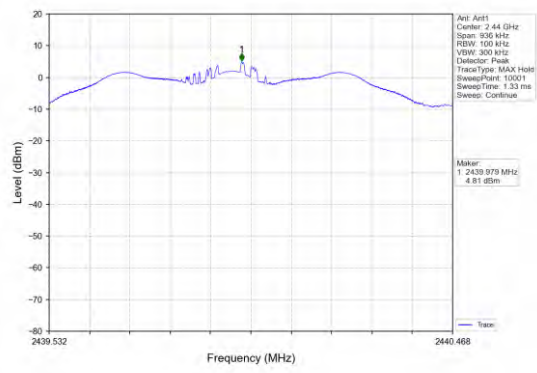
2SECEND-BT-LE (S8)

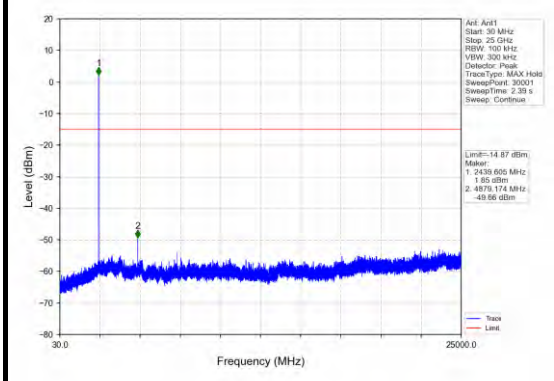
CH 0



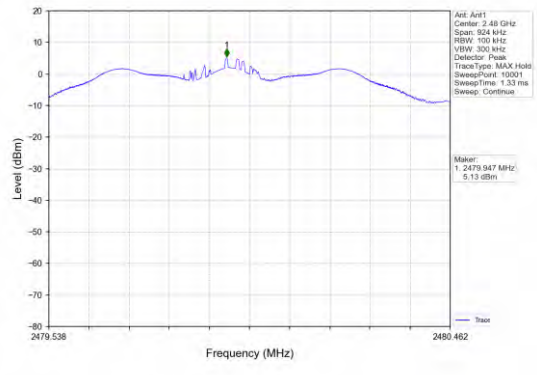


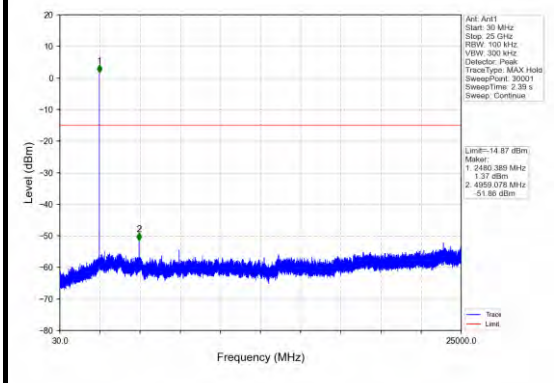
CH 19

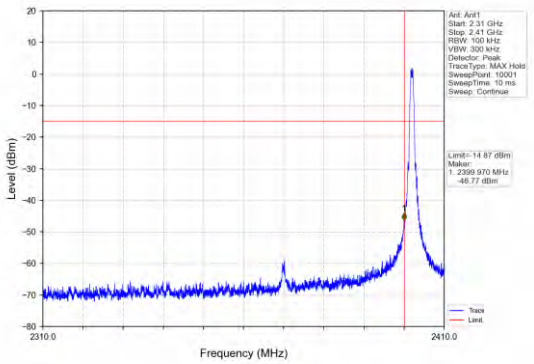
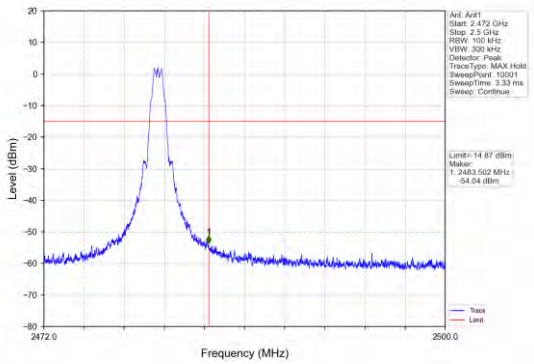




CH 39





CH 0 Band Edge	CH 39 Band Edge
	

4 PHOTOGRAPHS OF THE TEST CONFIGURATION

Please refer to the attached file (Test Setup Photo).

5 APPENDIX A - MODIFICATIONS RECORDERS FOR ENGINEERING CHANGES TO THE EUT BY THE LAB

No any modifications are made to the EUT by the lab during the test.