

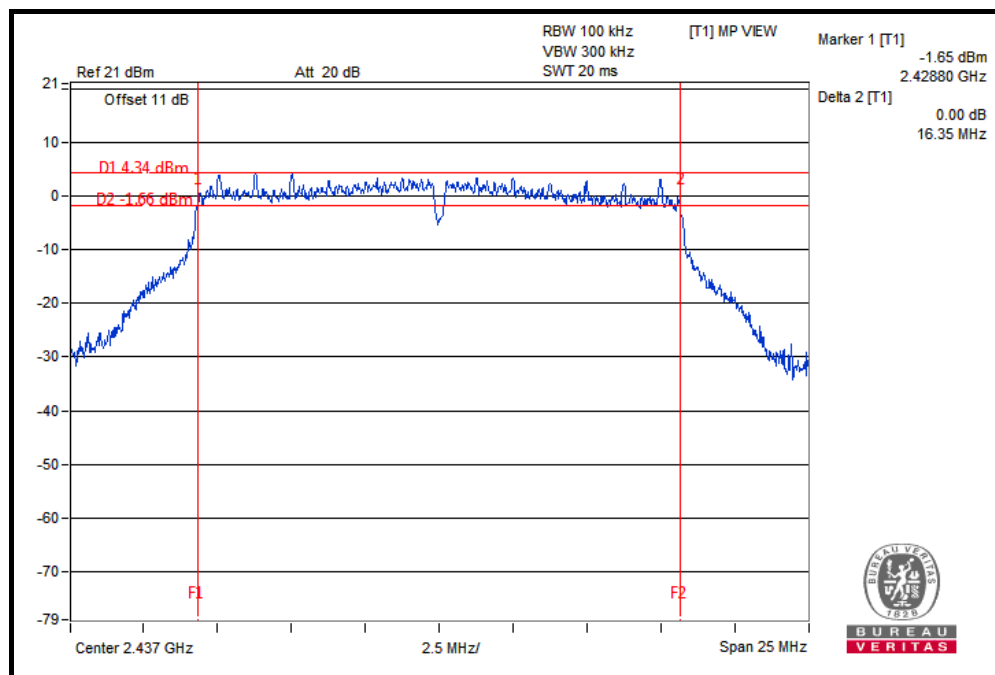


BUREAU
VERITAS

Test Report No.: W7L-P21100002RF08

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



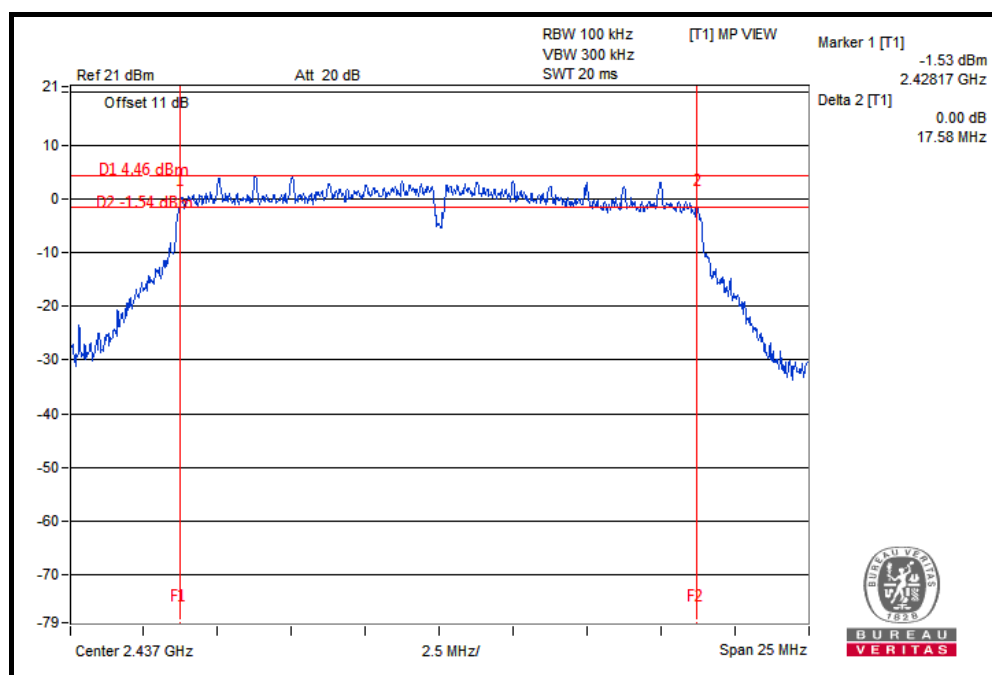


BUREAU
VERITAS

Test Report No.: W7L-P21100002RF08

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



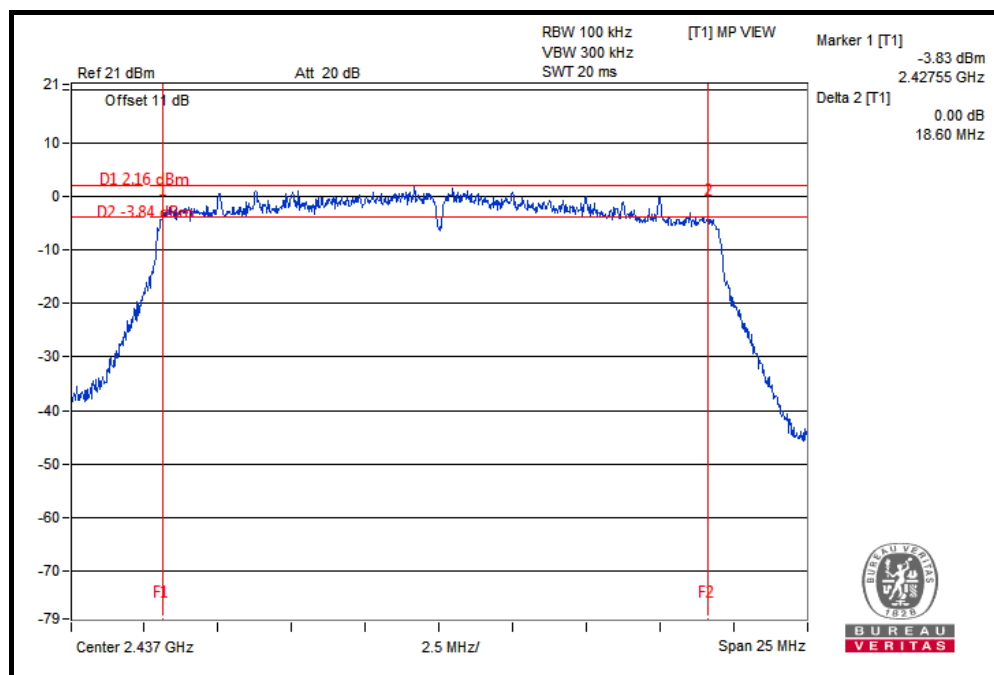


BUREAU
VERITAS

Test Report No.: W7L-P21100002RF08

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



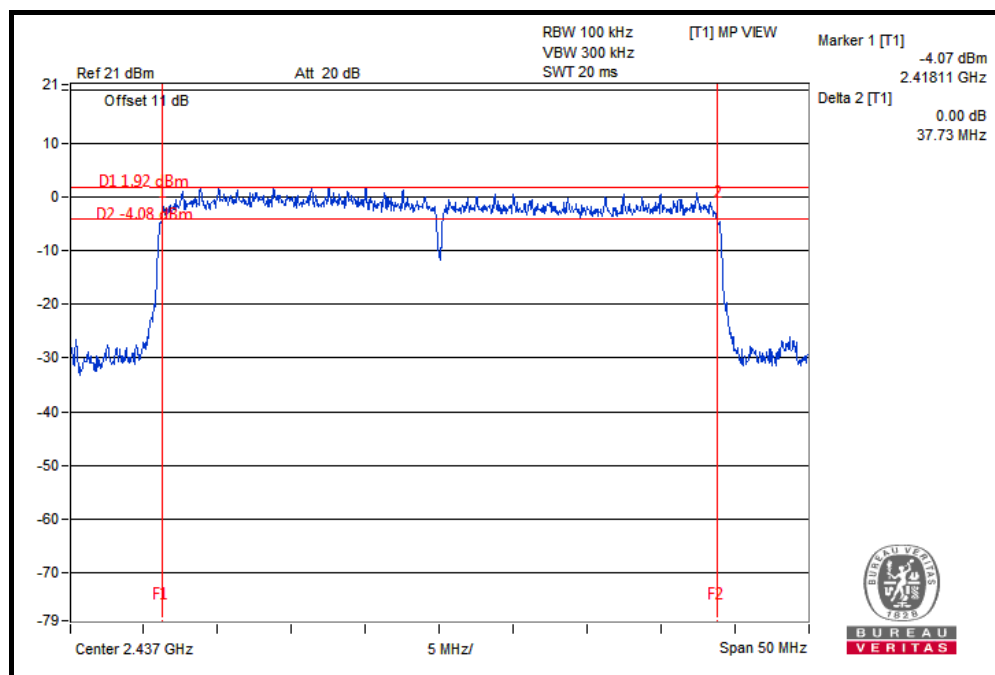


BUREAU
VERITAS

Test Report No.: W7L-P21100002RF08

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





BUREAU
VERITAS

Test Report No.: W7L-P21100002RF08

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



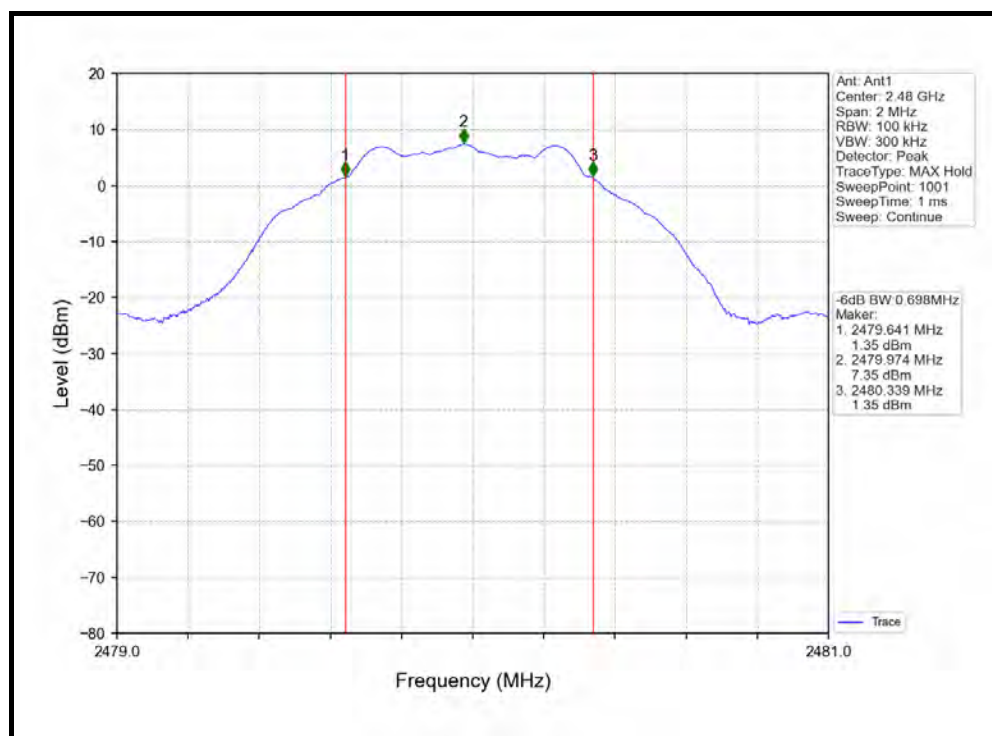


BUREAU
VERITAS

Test Report No.: W7L-P21100002RF08

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



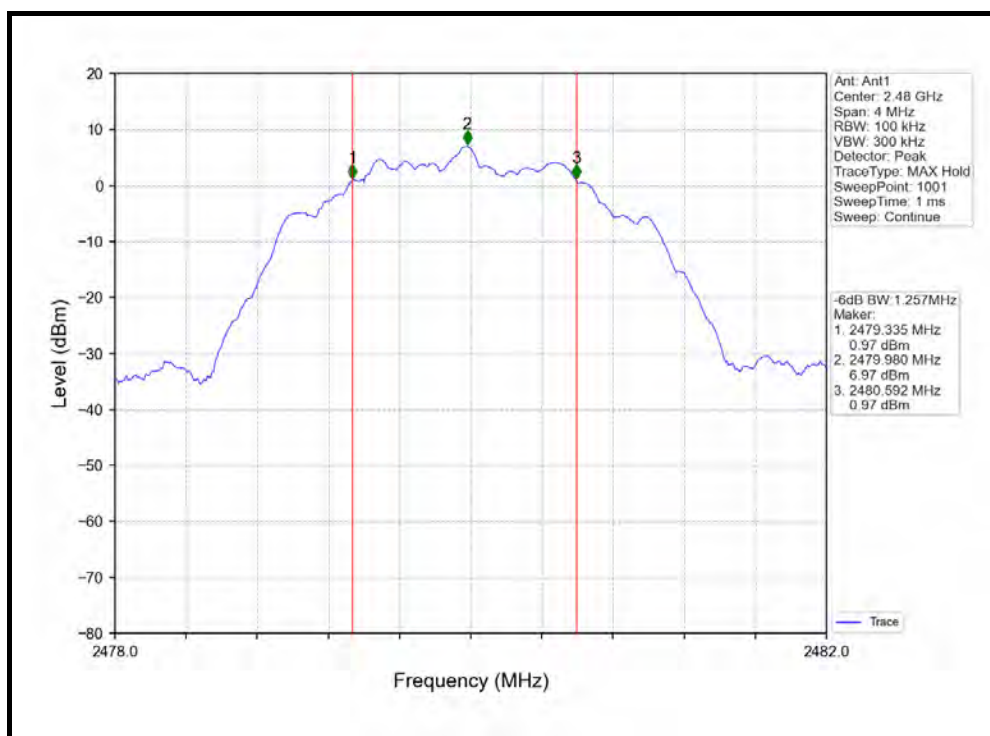


BUREAU
VERITAS

Test Report No.: W7L-P21100002RF08

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



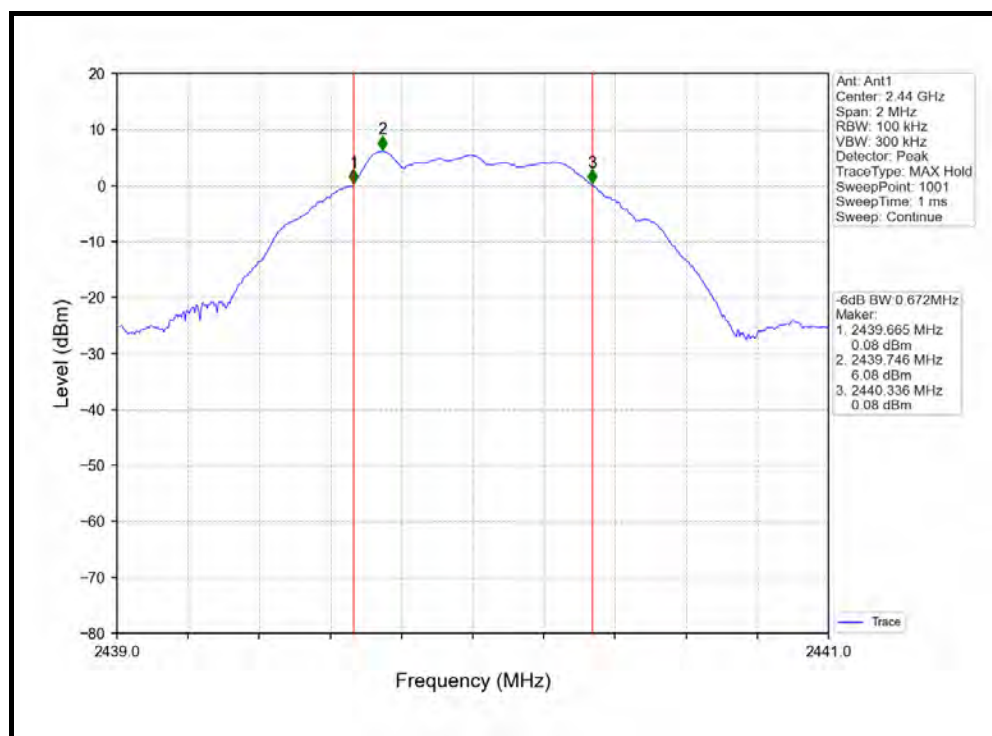


BUREAU
VERITAS

Test Report No.: W7L-P21100002RF08

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



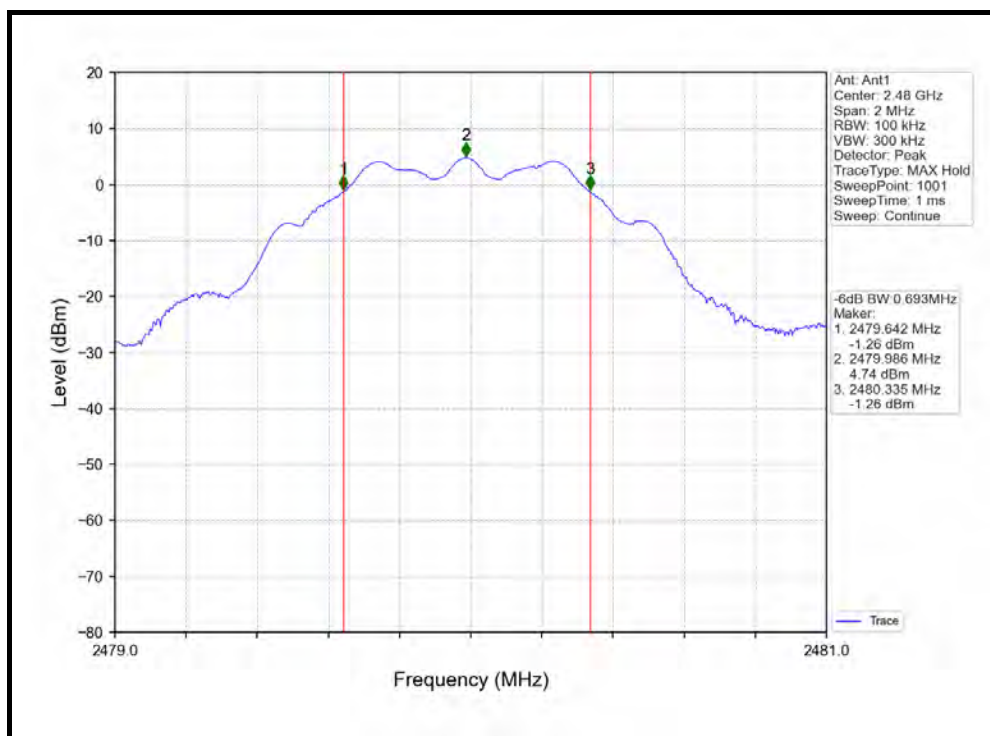


BUREAU
VERITAS

Test Report No.: W7L-P21100002RF08

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



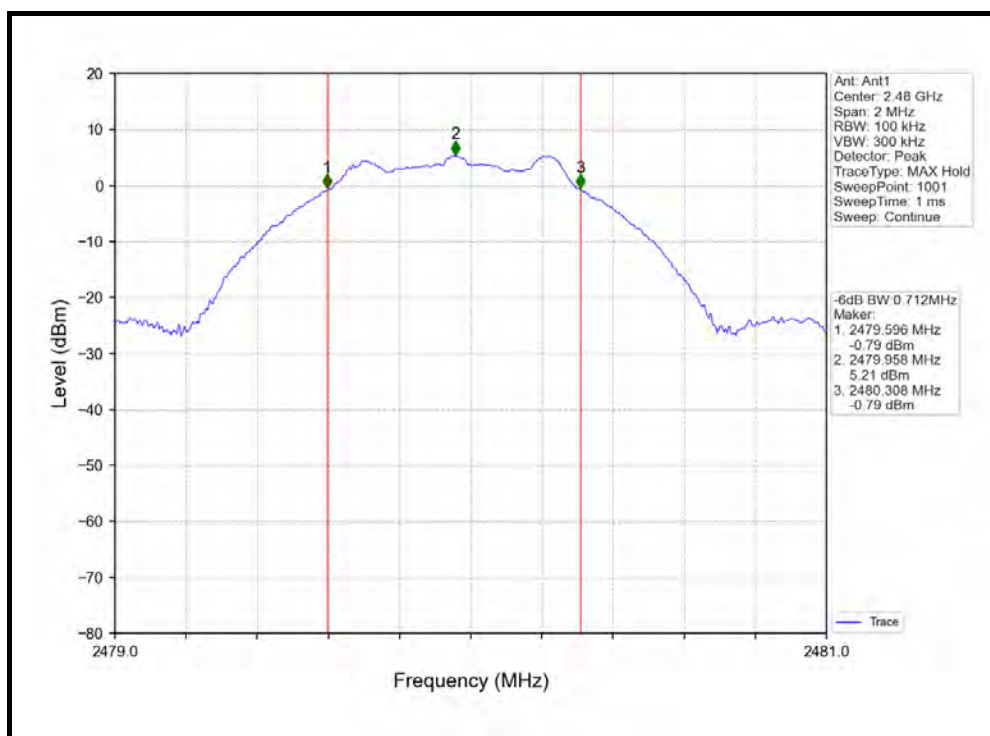


BUREAU
VERITAS

Test Report No.: W7L-P21100002RF08

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



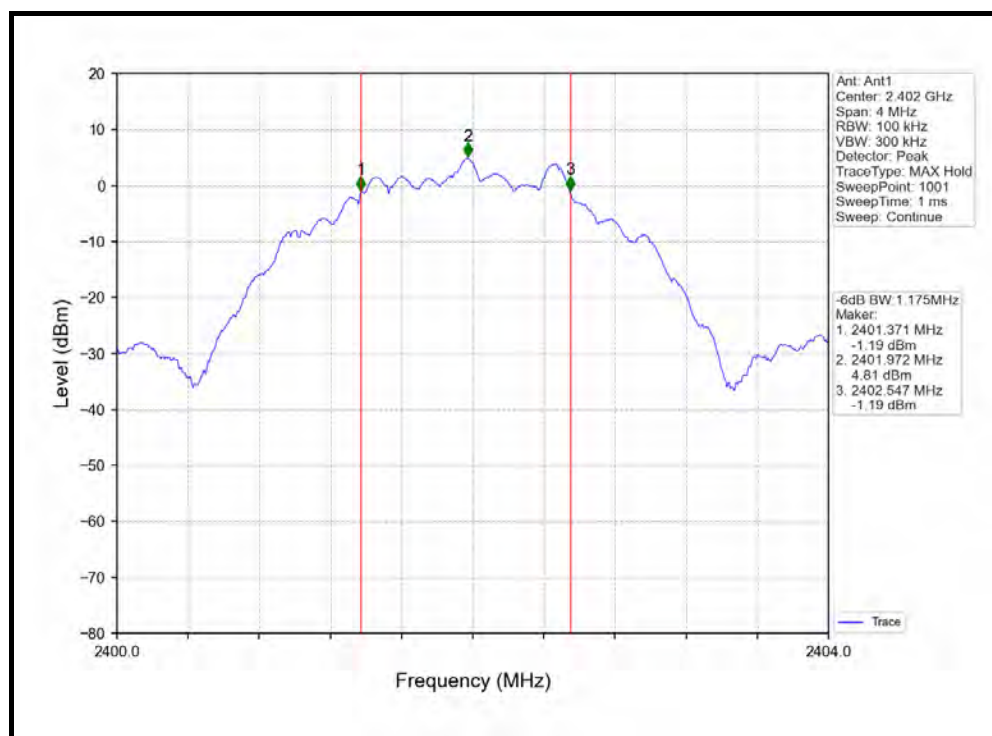


BUREAU
VERITAS

Test Report No.: W7L-P21100002RF08

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



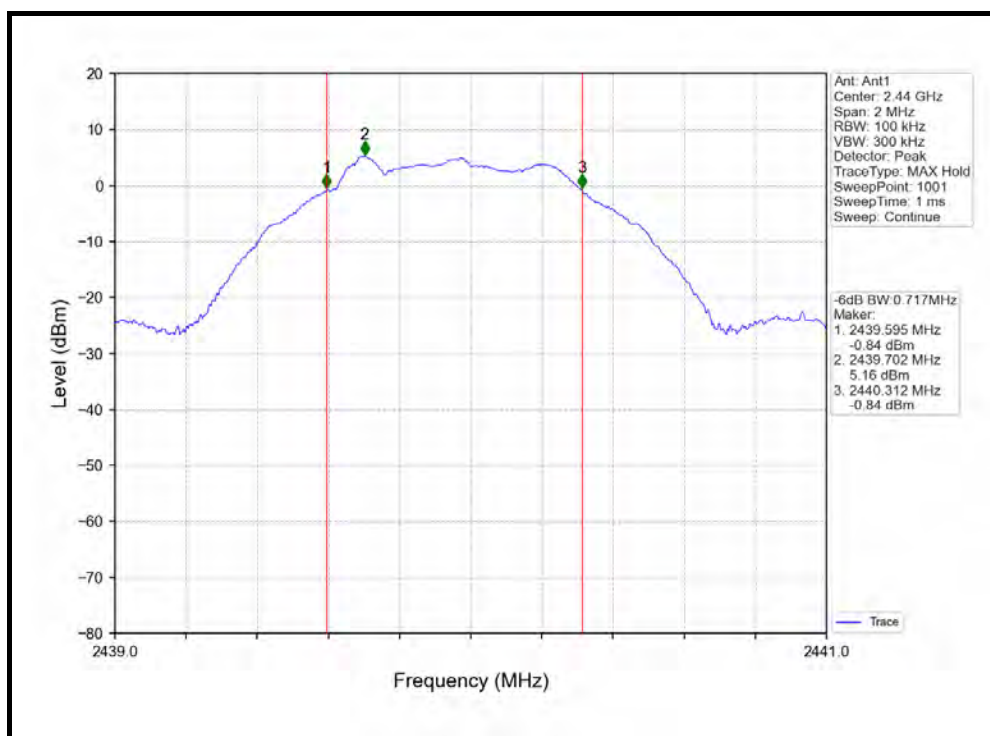


BUREAU
VERITAS

Test Report No.: W7L-P21100002RF08

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



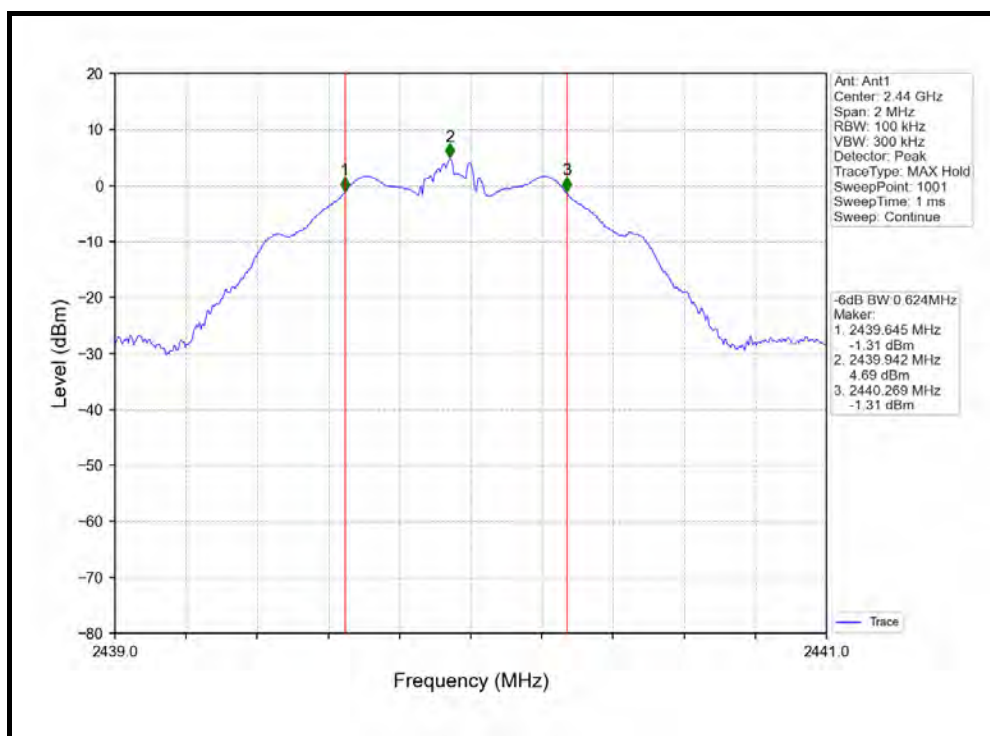


BUREAU
VERITAS

Test Report No.: W7L-P21100002RF08

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



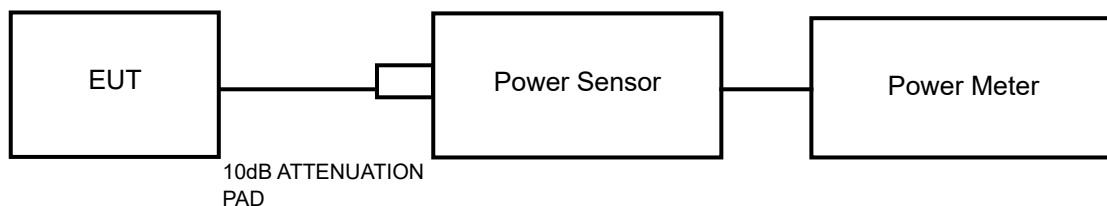


3.4 CONDUCTED OUTPUT POWER

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



**BUREAU
VERITAS**

Test Report No.: W7L-P21100002RF08

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



**BUREAU
VERITAS**

Test Report No.: W7L-P21100002RF08

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



**BUREAU
VERITAS**

Test Report No.: W7L-P21100002RF08

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



Test Report No.: W7L-P21100002RF08

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



**BUREAU
VERITAS**

Test Report No.: W7L-P21100002RF08

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



**BUREAU
VERITAS**

Test Report No.: W7L-P21100002RF08

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



BUREAU VERITAS Test Report No.: W7L-P21100002RF08

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



**BUREAU
VERITAS**

Test Report No.: W7L-P21100002RF08

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



**BUREAU
VERITAS**

Test Report No.: W7L-P21100002RF08

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



Test Report No.: W7L-P21100002RF08

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



Test Report No.: W7L-P21100002RF08

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



**BUREAU
VERITAS**

Test Report No.: W7L-P21100002RF08

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

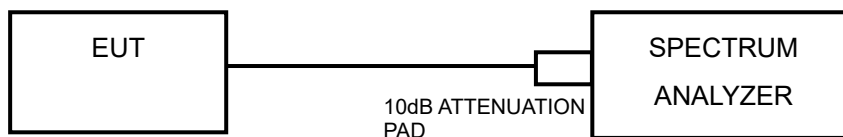


3.5 POWER SPECTRAL DENSITY MEASUREMENT

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 $\geq 3 \times$ 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.

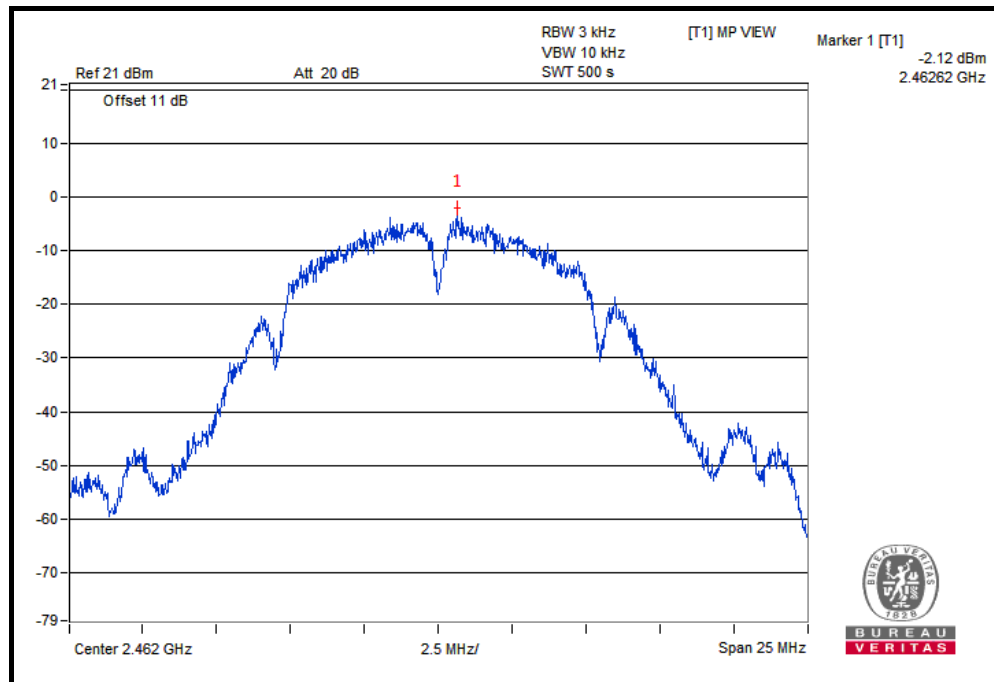


3.5.7 TEST RESULTS

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



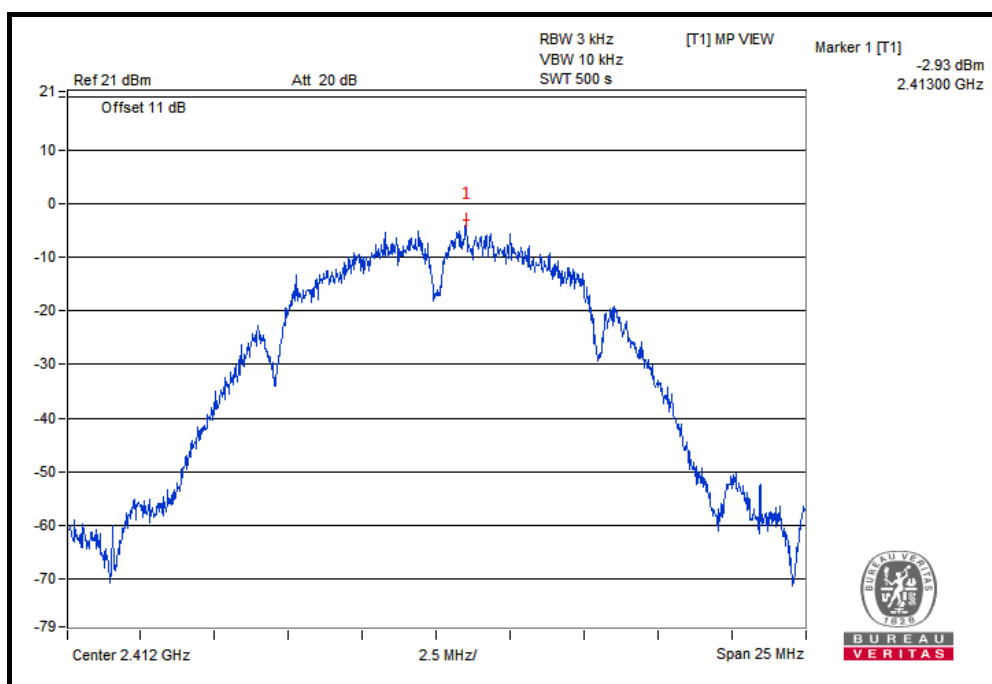


BUREAU
VERITAS

Test Report No.: W7L-P21100002RF08

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





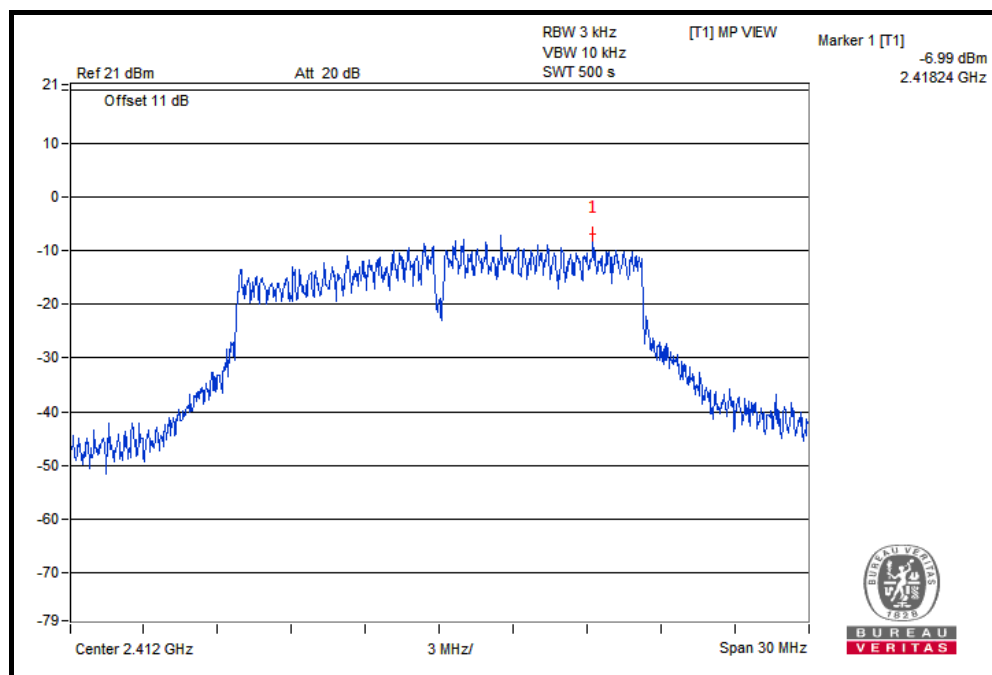
BUREAU
VERITAS

Test Report No.: W7L-P21100002RF08

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



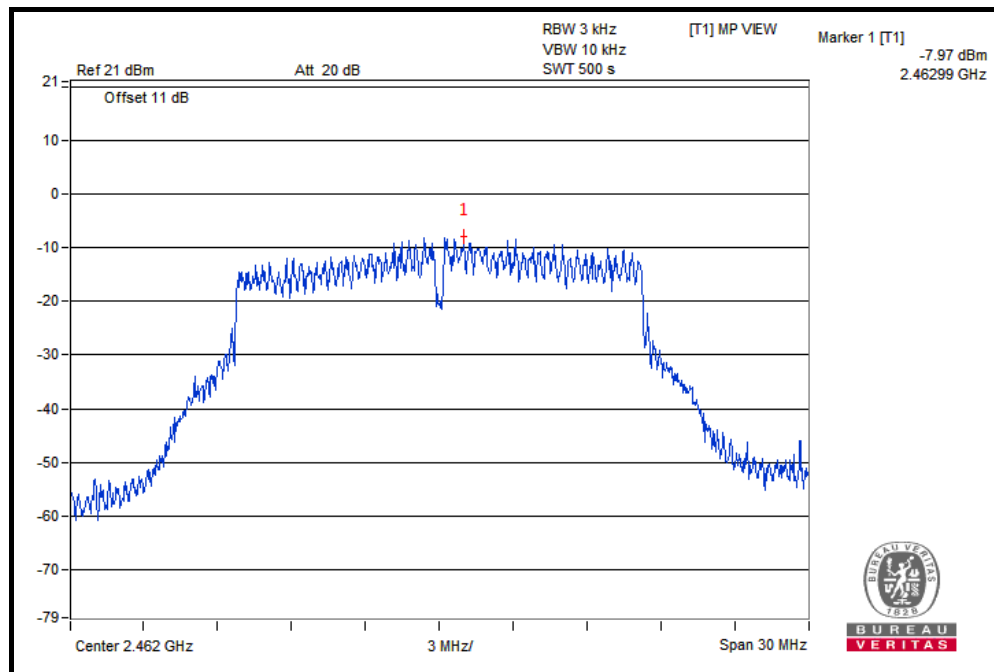


BUREAU
VERITAS

Test Report No.: W7L-P21100002RF08

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





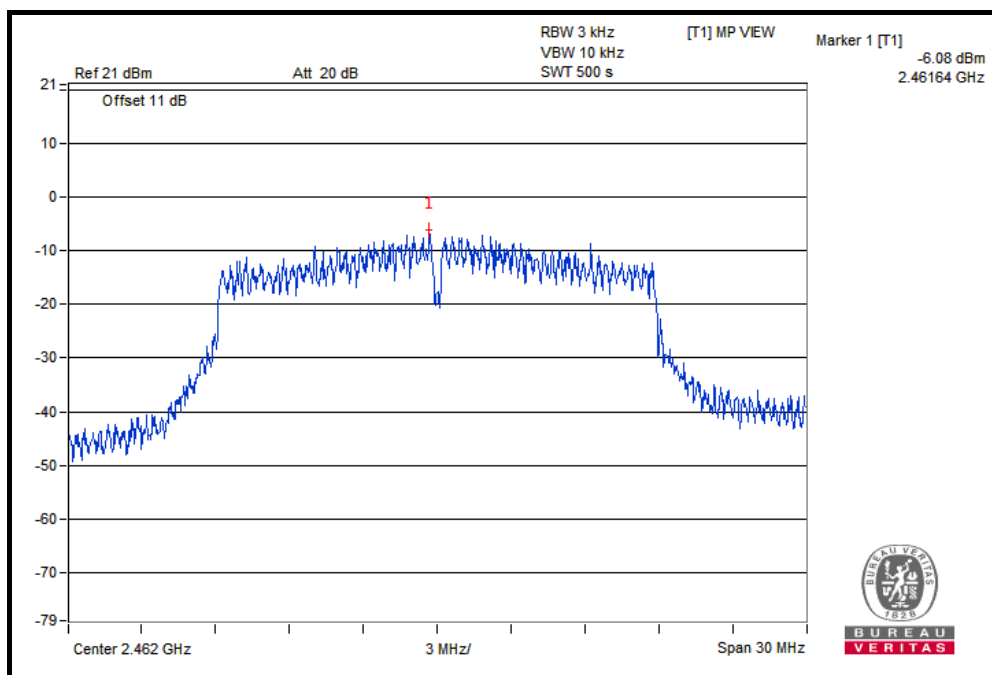
**BUREAU
VERITAS**

Test Report No.: W7L-P21100002RF08

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



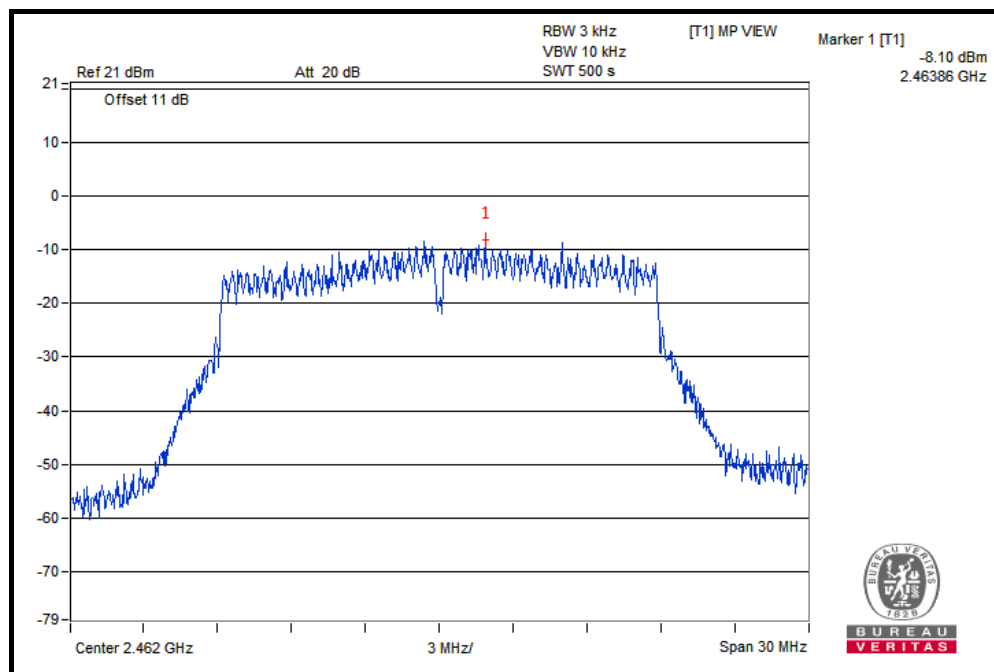


BUREAU
VERITAS

Test Report No.: W7L-P21100002RF08

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





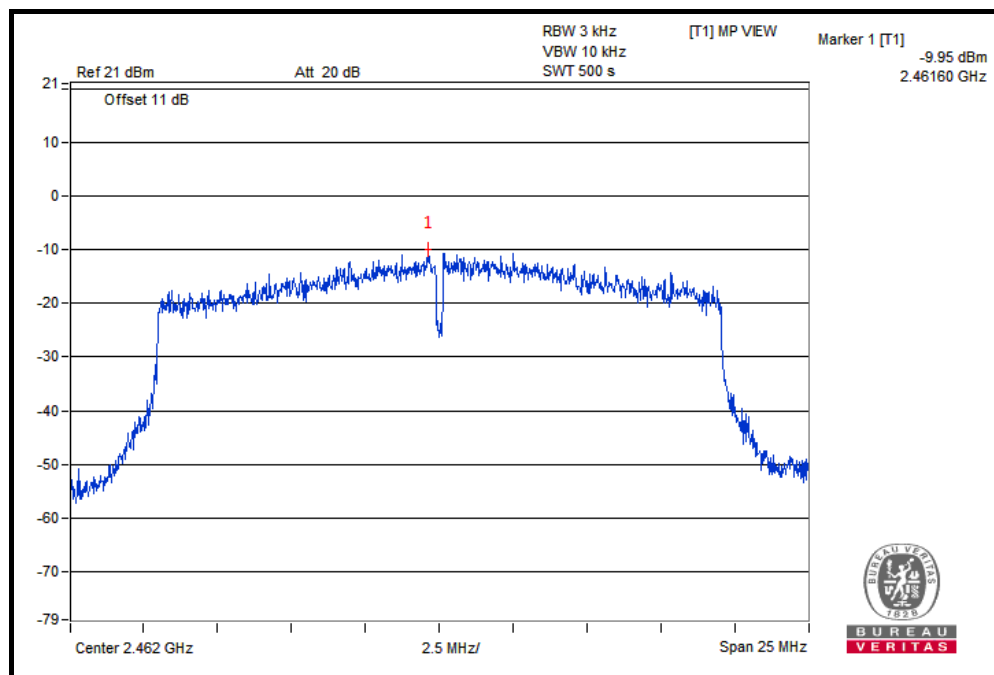
BUREAU
VERITAS

Test Report No.: W7L-P21100002RF08

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



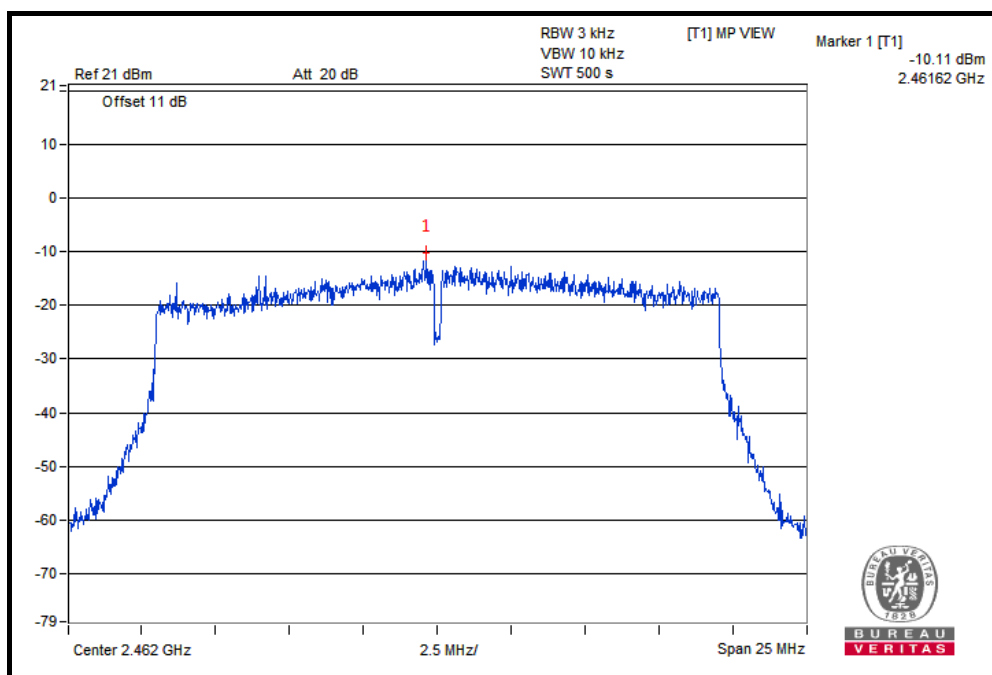


BUREAU
VERITAS

Test Report No.: W7L-P21100002RF08

ANT 1

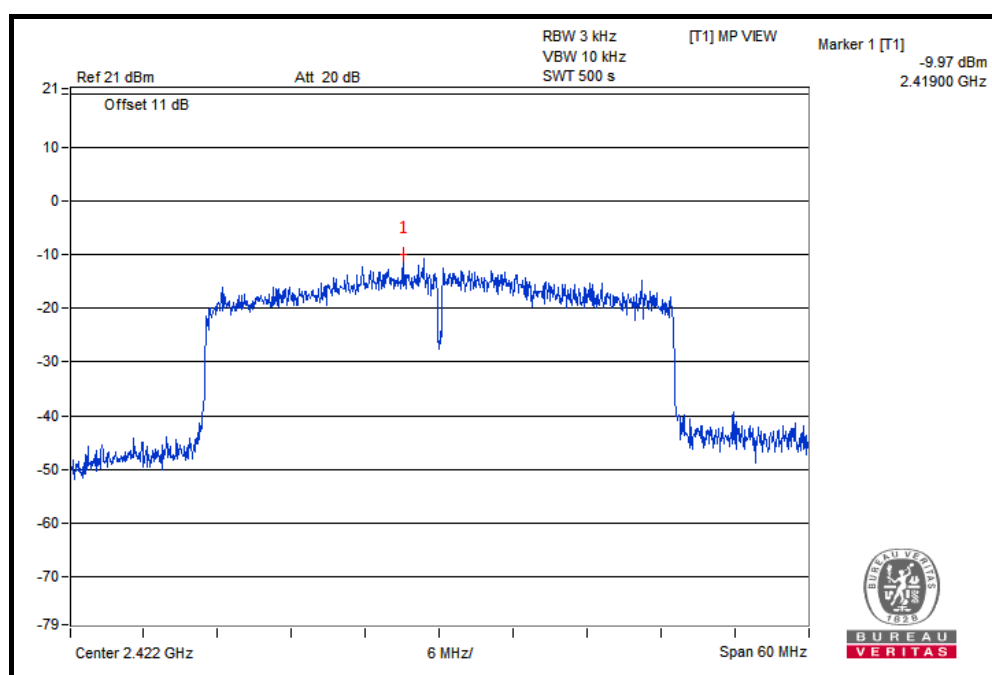
Channel	FREQ. (MHz)	PSD (dBm/3kHz)	Limit (dBm/3kHz)	PASS /FAIL
1	2412	-13.17	8	PASS
6	2437	-12.19	8	PASS
11	2462	-10.11	8	PASS



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



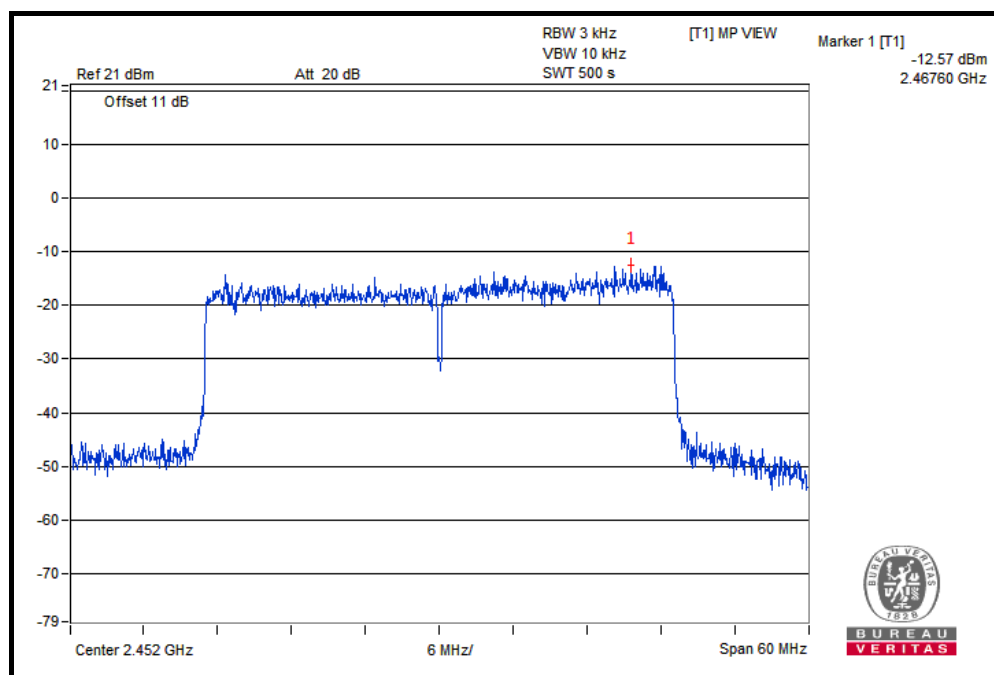


BUREAU
VERITAS

Test Report No.: W7L-P21100002RF08

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





BUREAU
VERITAS

Test Report No.: W7L-P21100002RF08

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



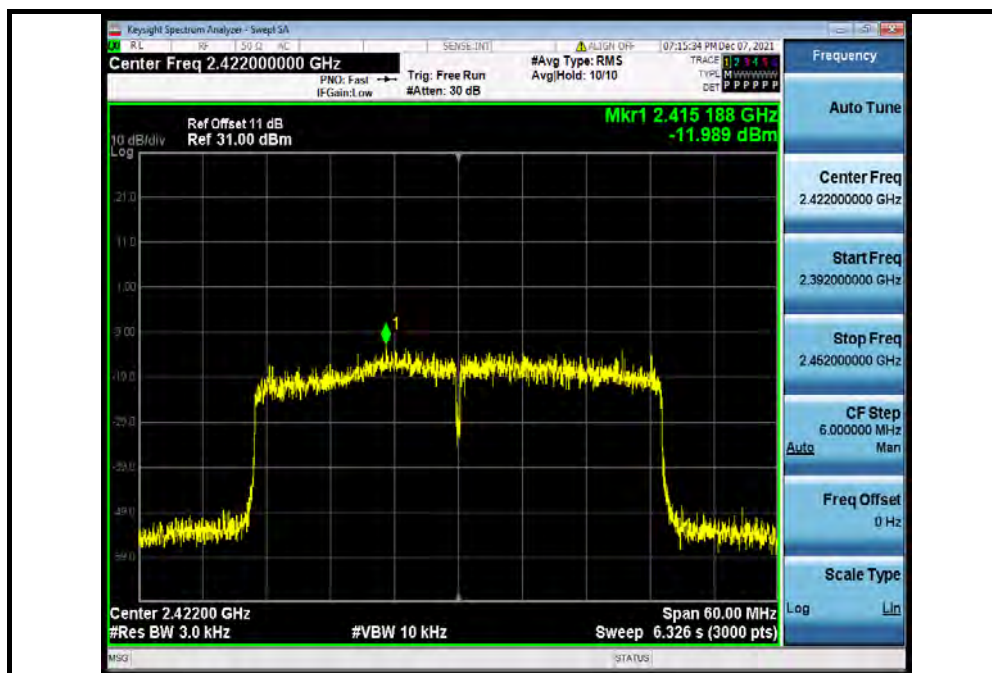


BUREAU
VERITAS

Test Report No.: W7L-P21100002RF08

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





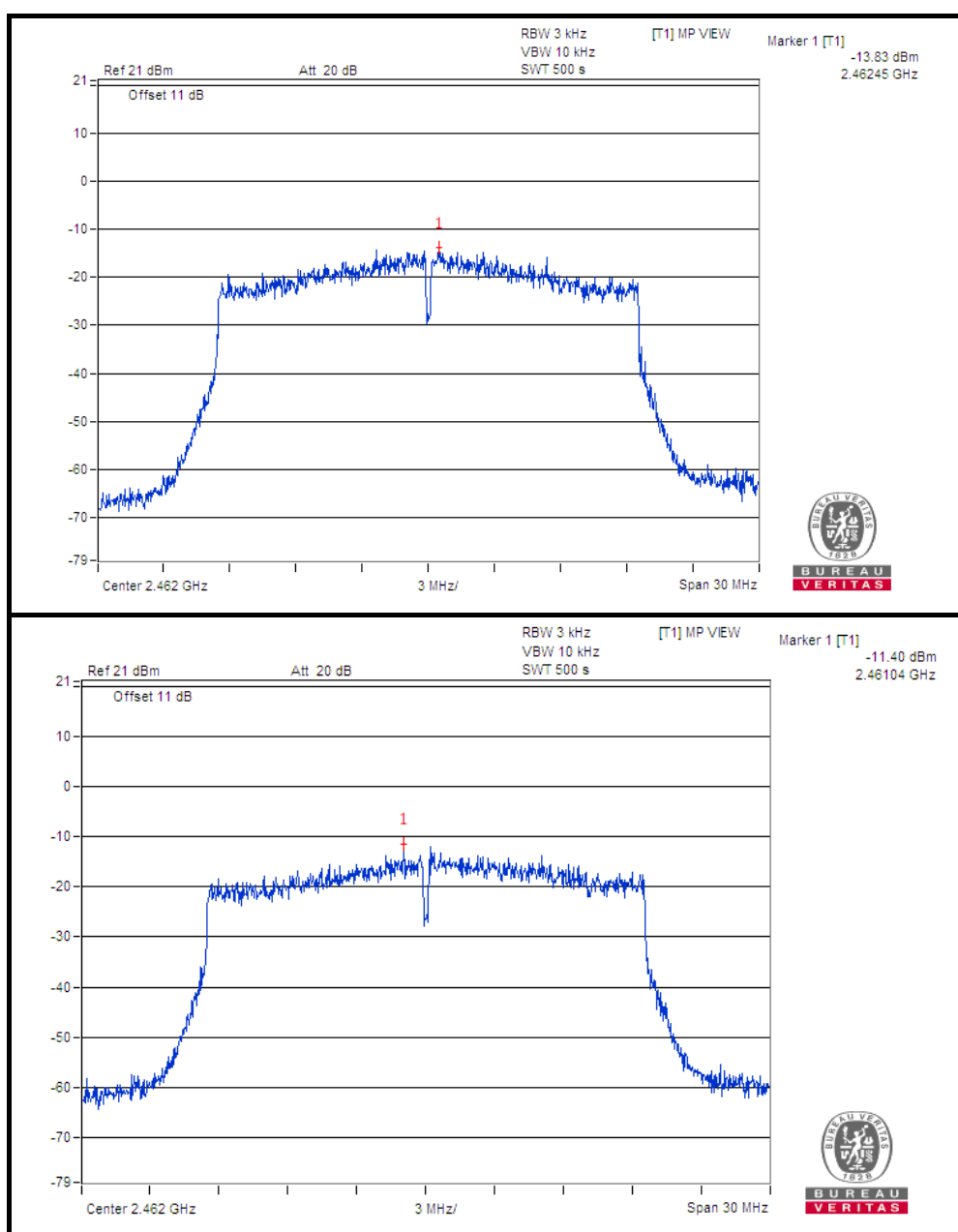
**BUREAU
VERITAS**

Test Report No.: W7L-P21100002RF08

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



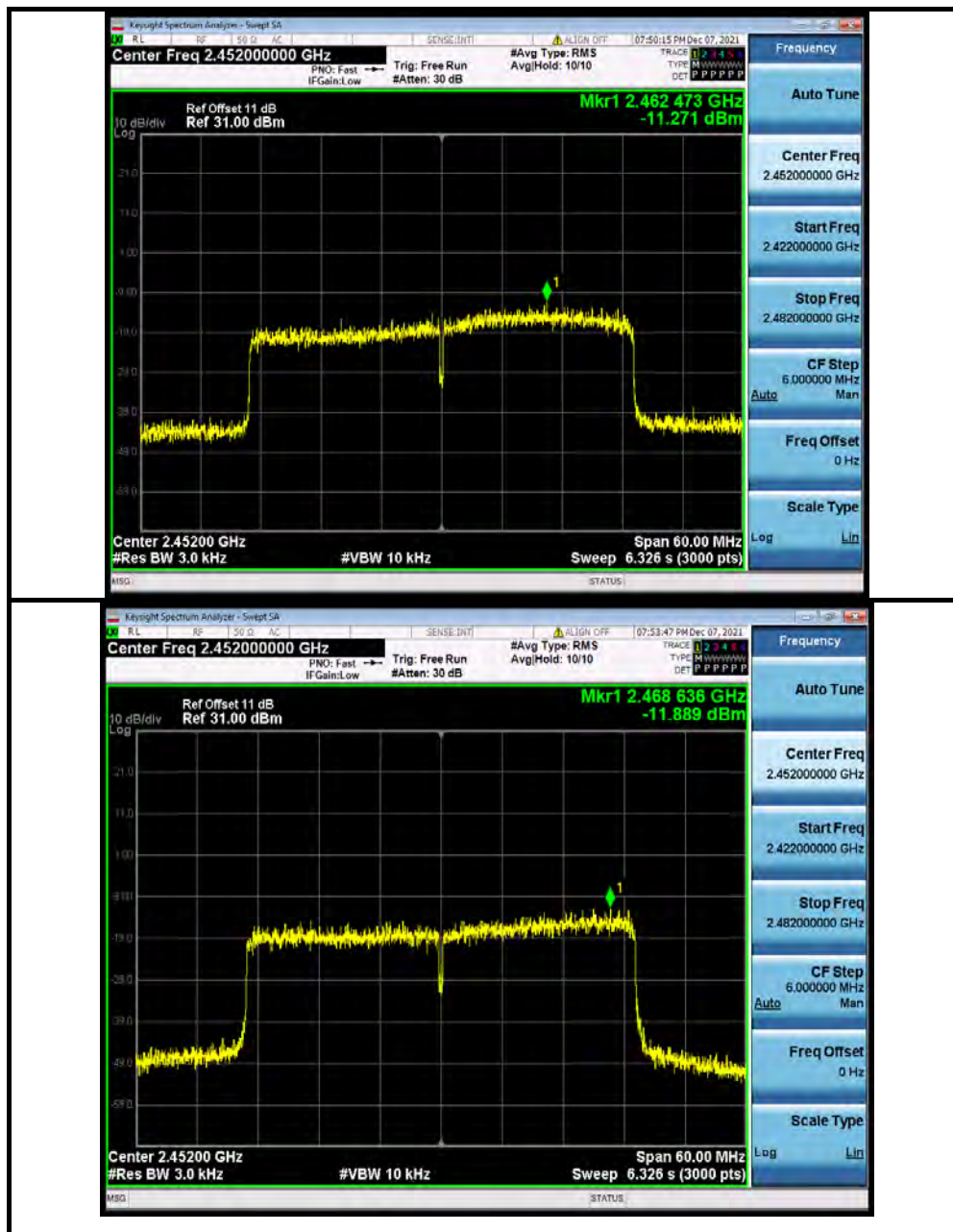


BUREAU
VERITAS

Test Report No.: W7L-P21100002RF08

802.11ax (40MHz)

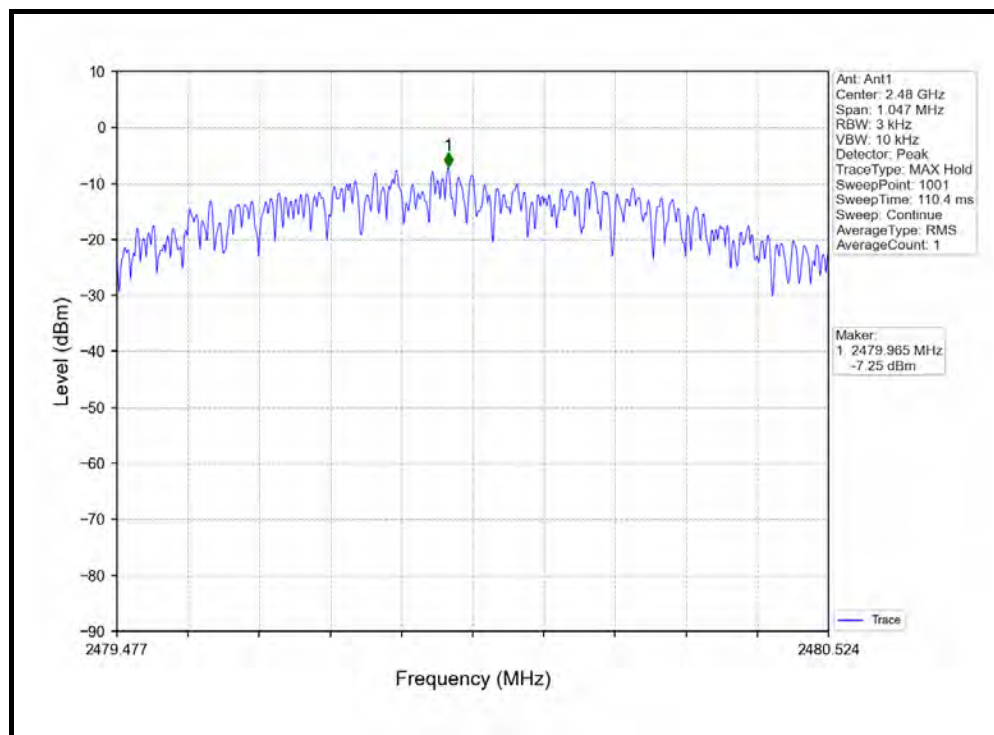
Channel	FREQ. (MHz)	ANT0 PSD (dBm/3kHz)	ANT1 PSD (dBm/3kHz)	Total PSD (dBm/3kHz)	Limit (dBm/3kHz)	PASS /FAIL
3	2422	-11.4	-12.67	-8.98	8	PASS
6	2437	-12.61	-12.4	-9.49	8	PASS
9	2452	-11.27	-11.89	-8.56	8	PASS





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



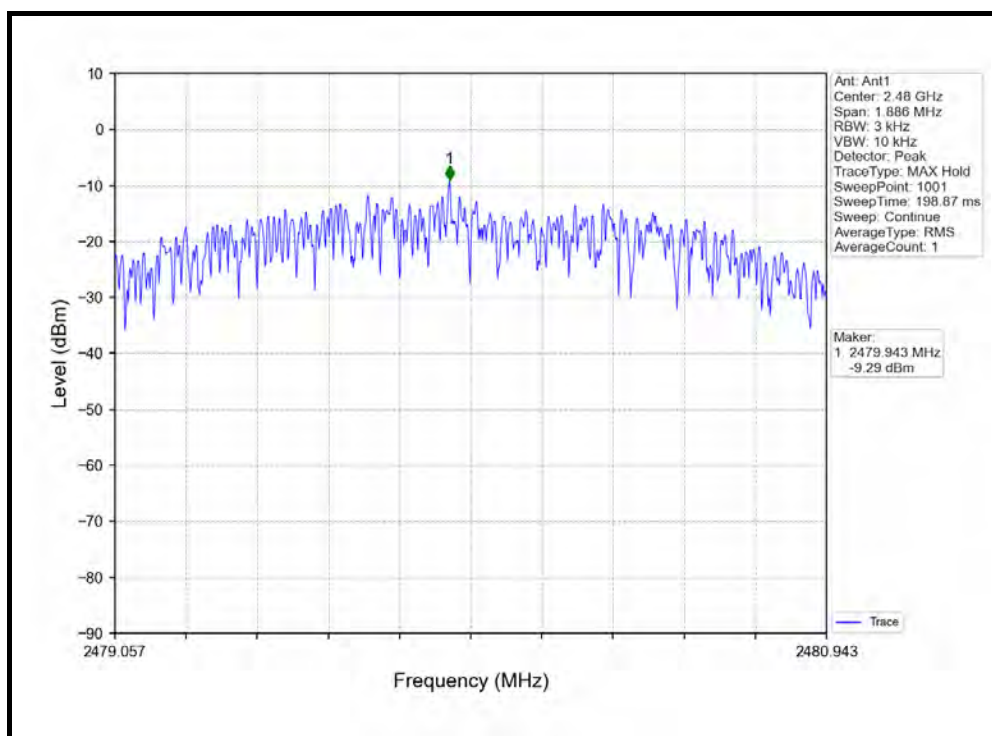


BUREAU
VERITAS

Test Report No.: W7L-P21100002RF08

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



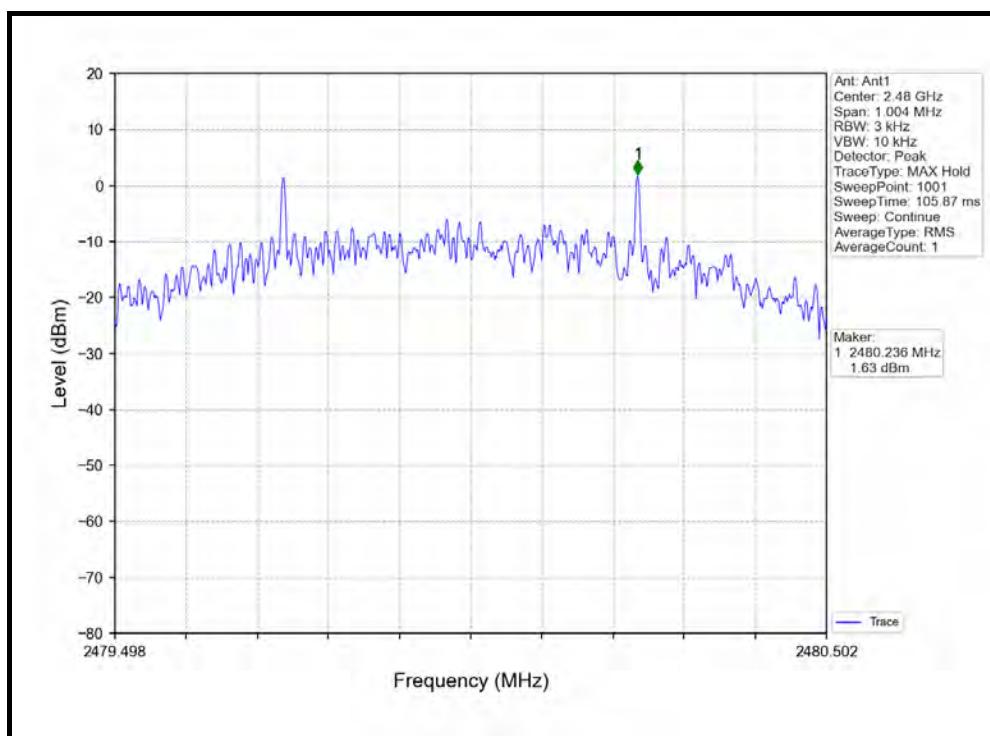


BUREAU
VERITAS

Test Report No.: W7L-P21100002RF08

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



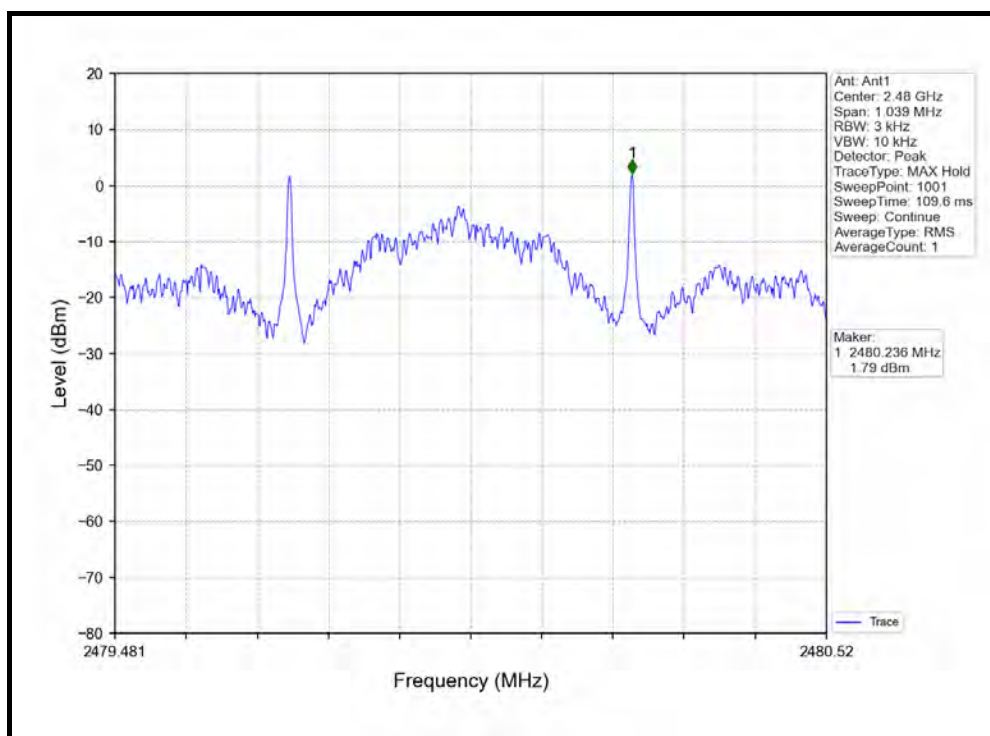


BUREAU
VERITAS

Test Report No.: W7L-P21100002RF08

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



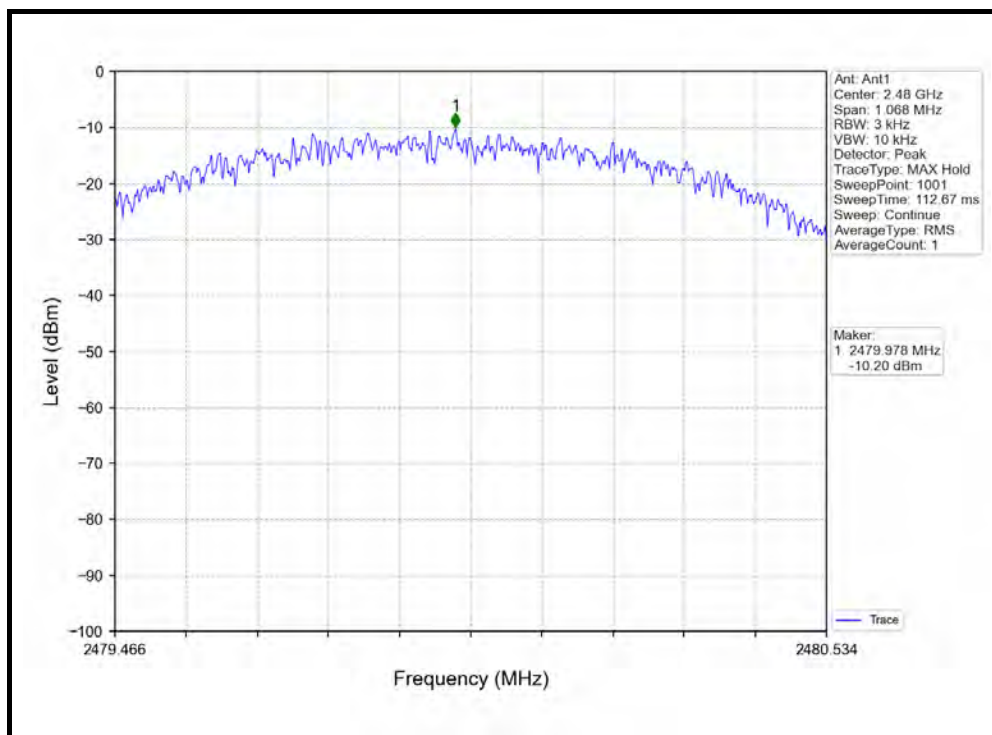


BUREAU
VERITAS

Test Report No.: W7L-P21100002RF08

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



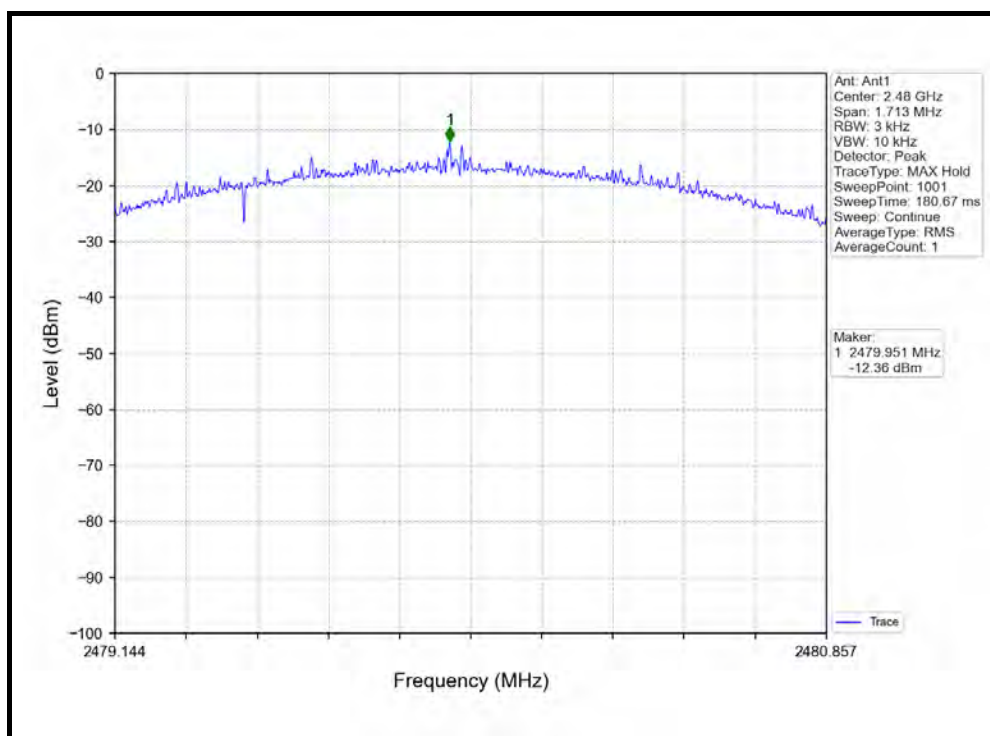


BUREAU
VERITAS

Test Report No.: W7L-P21100002RF08

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



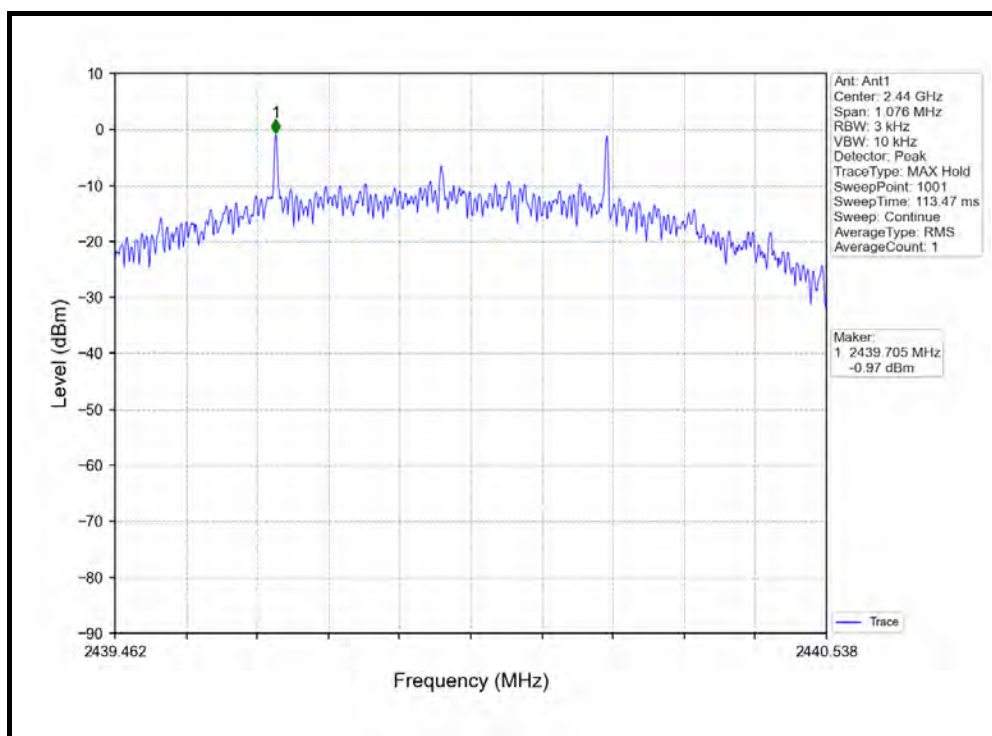


BUREAU
VERITAS

Test Report No.: W7L-P21100002RF08

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



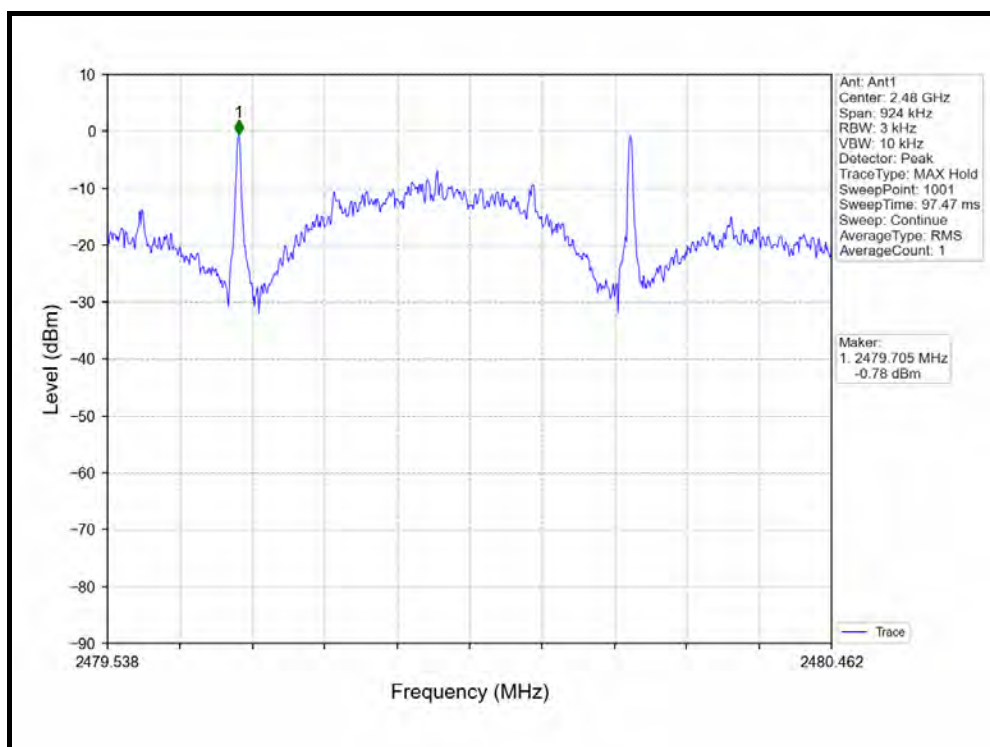


BUREAU
VERITAS

Test Report No.: W7L-P21100002RF08

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



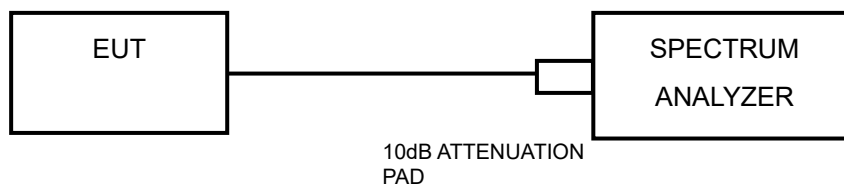


3.6 OUT OF BAND EMISSION MEASUREMENT

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 $\geq$ 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 OOB

1. Set RBW = 100 kHz.
2. Set VBW $\geq$ 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.



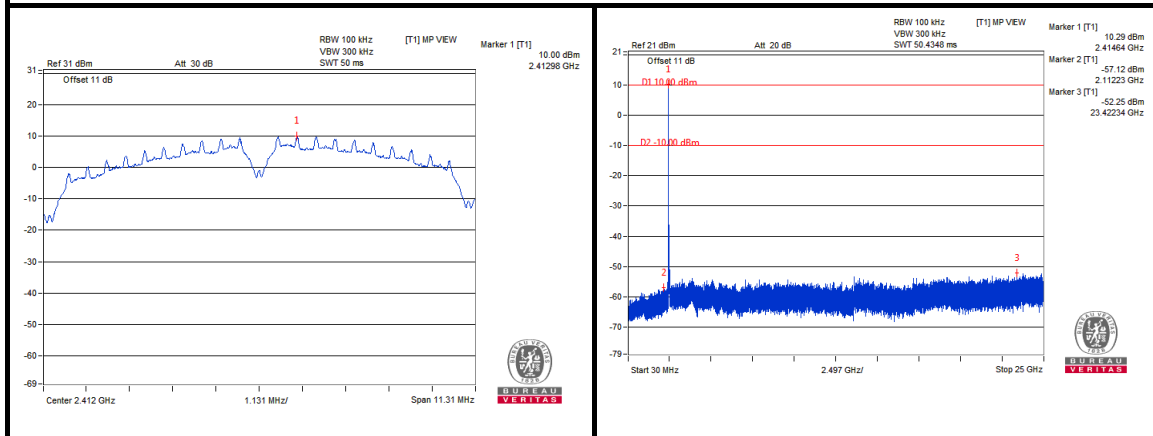
BUREAU
VERITAS

Test Report No.: W7L-P21100002RF08

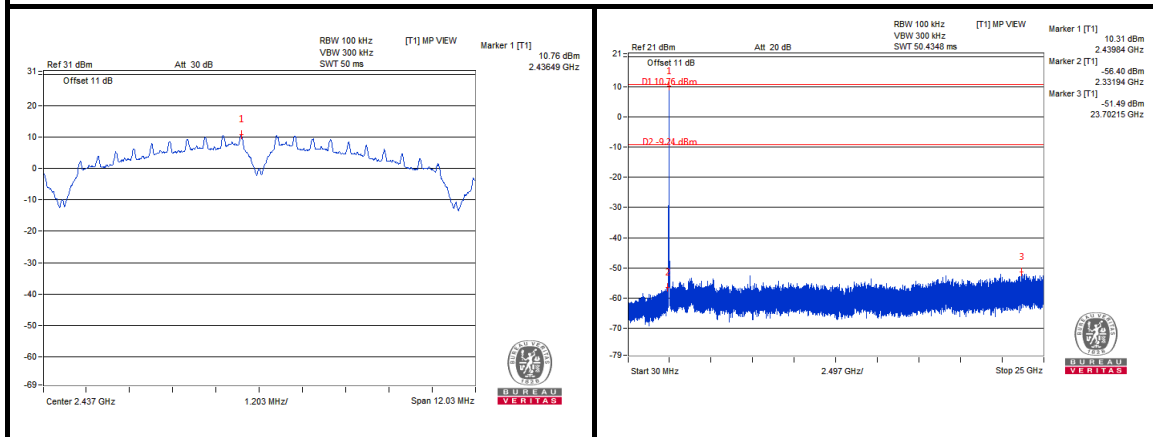
802.11b

ANT 0

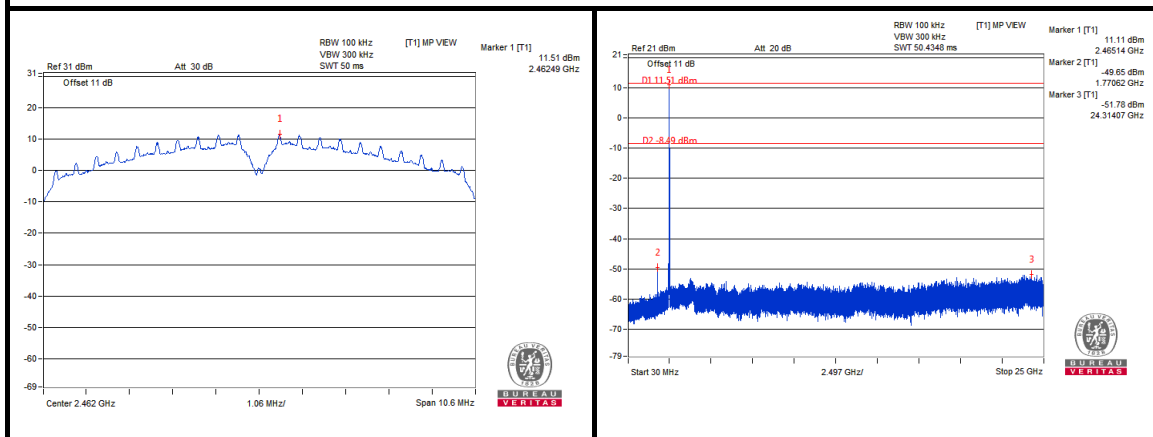
CH 1



CH 6



CH 11

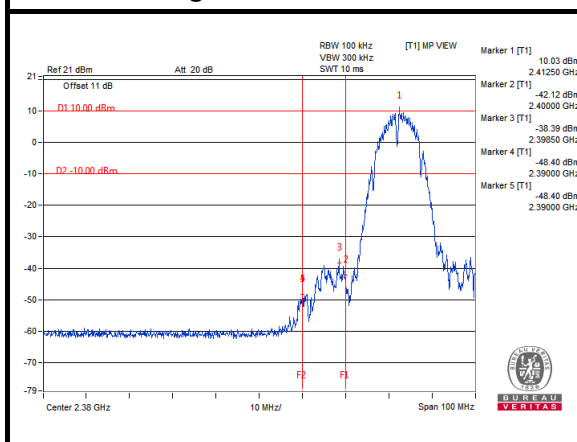




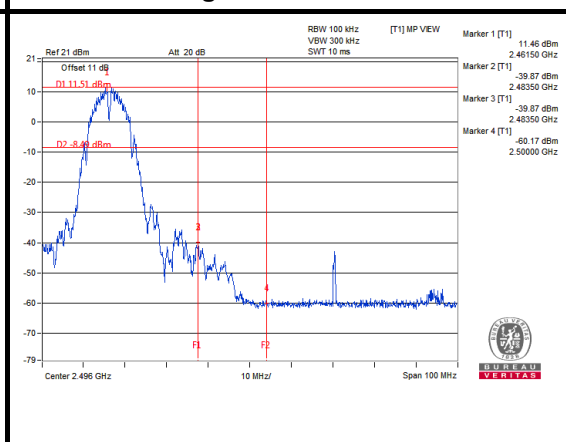
BUREAU
VERITAS

Test Report No.: W7L-P21100002RF08

CH 1 Band Edge



CH 11 Band Edge



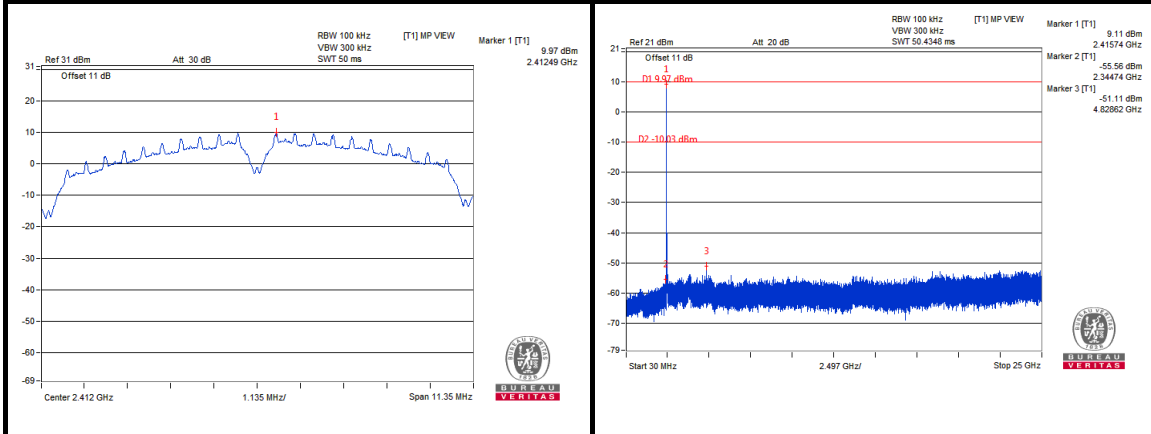


BUREAU
VERITAS

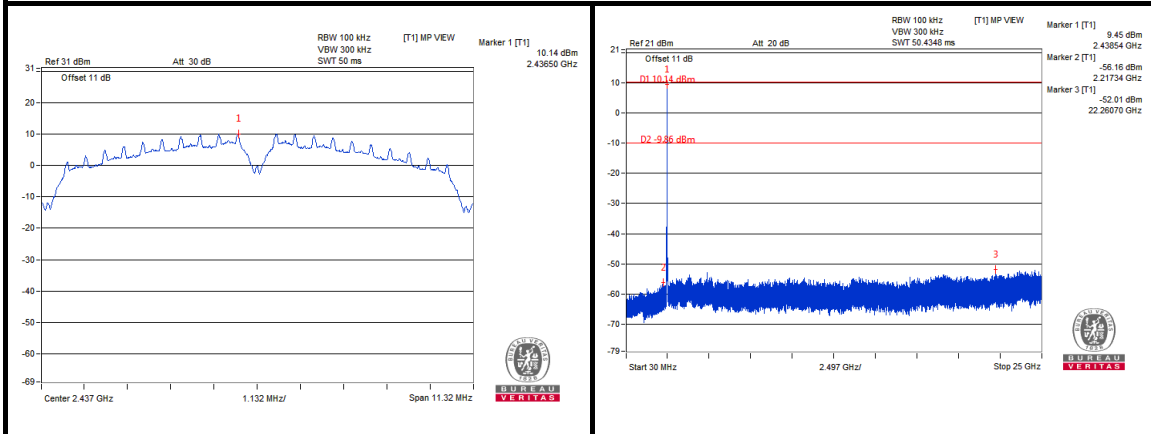
Test Report No.: W7L-P21100002RF08

ANT 1

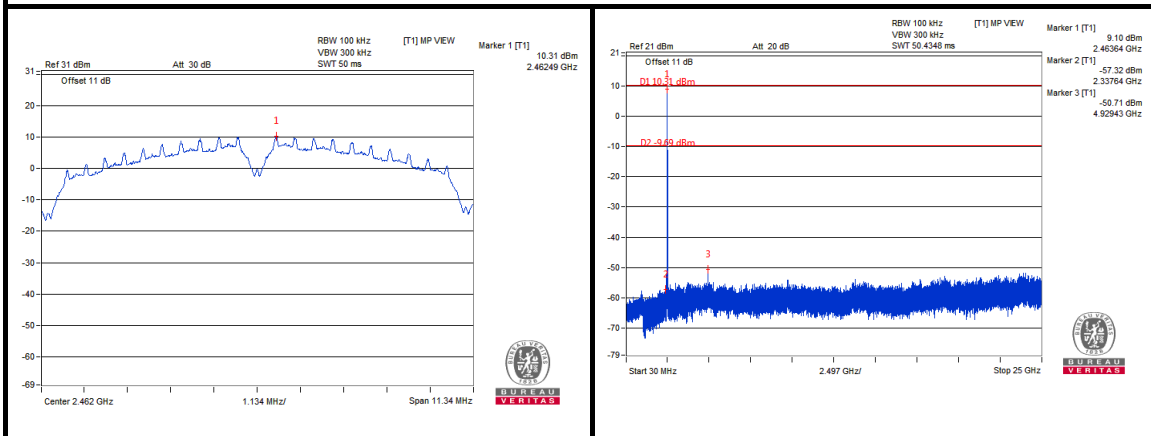
CH 1



CH 6



CH 11

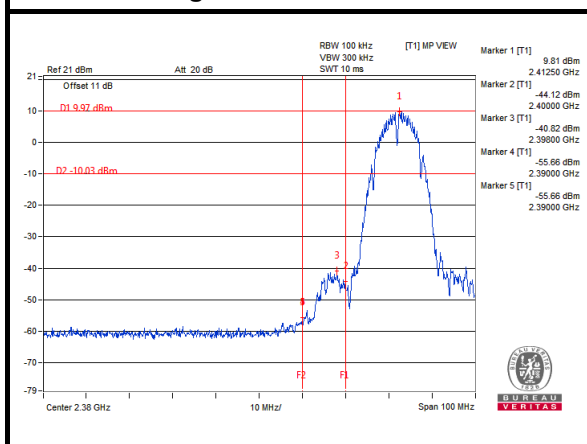




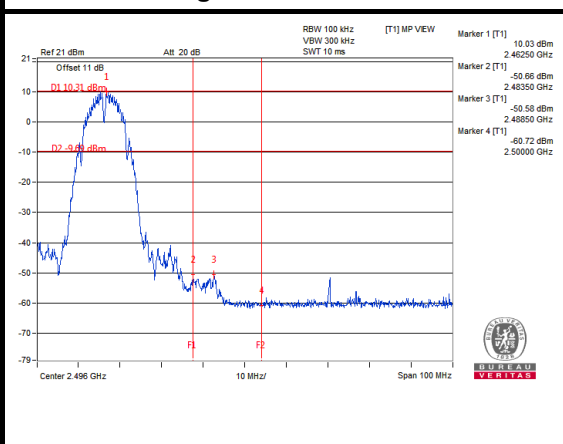
BUREAU
VERITAS

Test Report No.: W7L-P21100002RF08

CH 1 Band Edge



CH 11 Band Edge



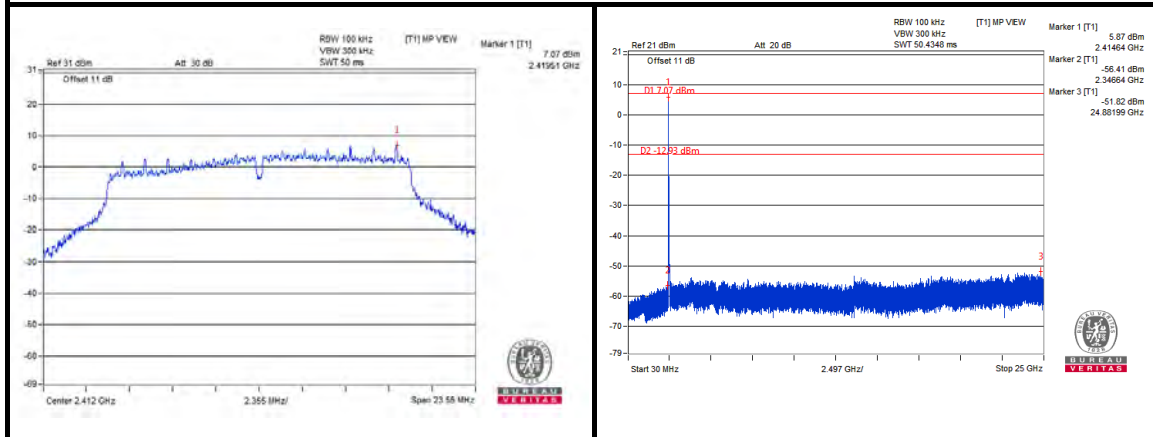


BUREAU
VERITAS

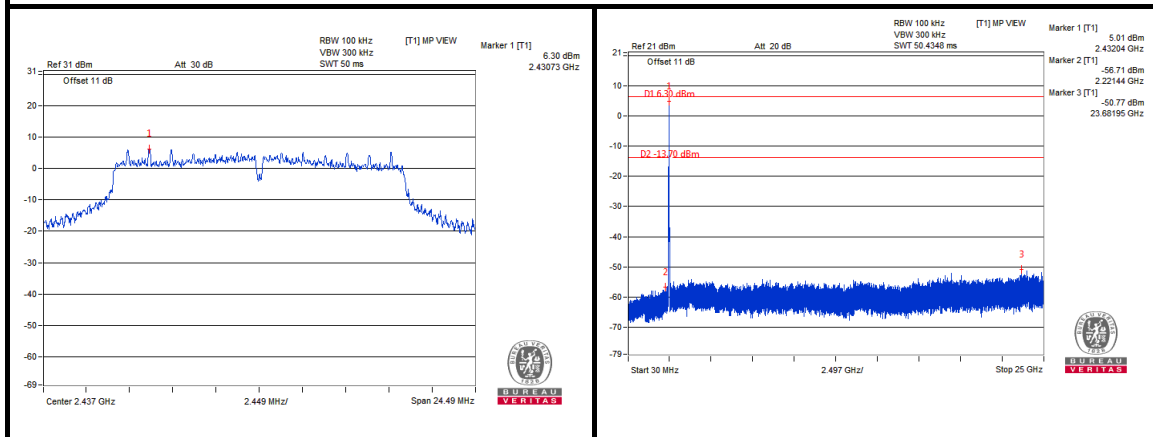
Test Report No.: W7L-P21100002RF08

802.11g
ANT 0

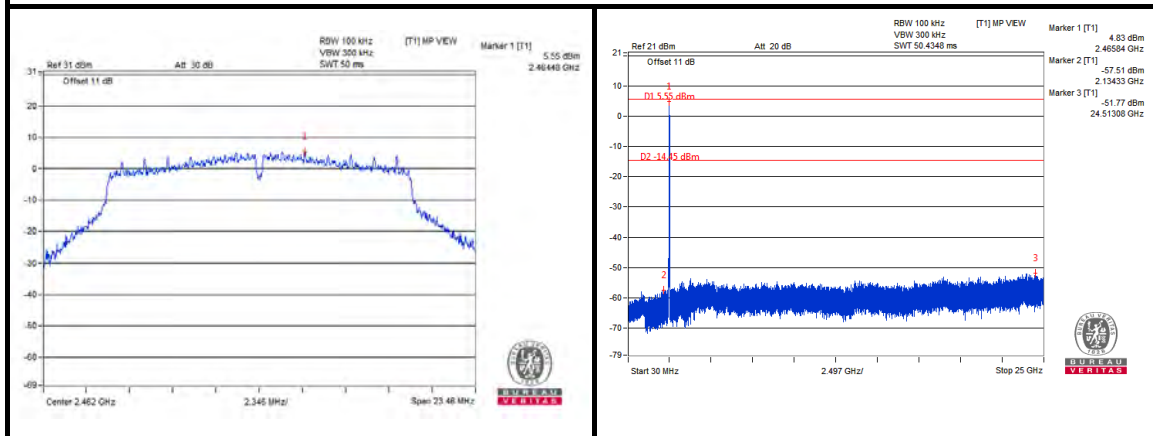
CH 1



CH 6



CH 11

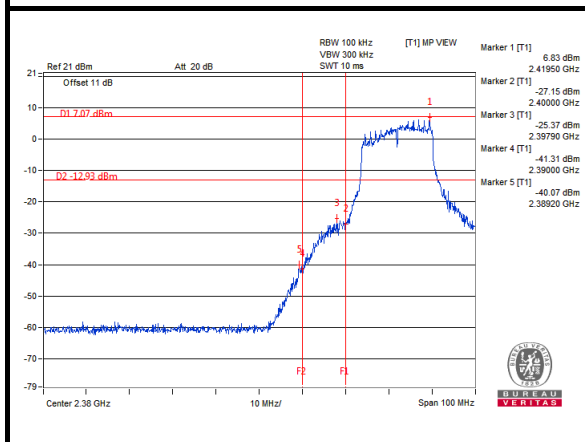




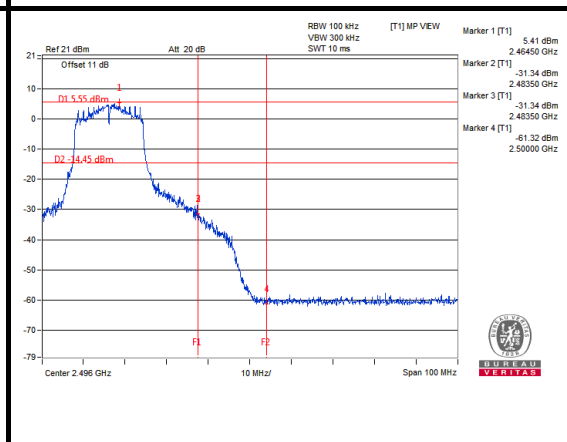
BUREAU
VERITAS

Test Report No.: W7L-P21100002RF08

CH 1 Band Edge



CH 11 Band Edge



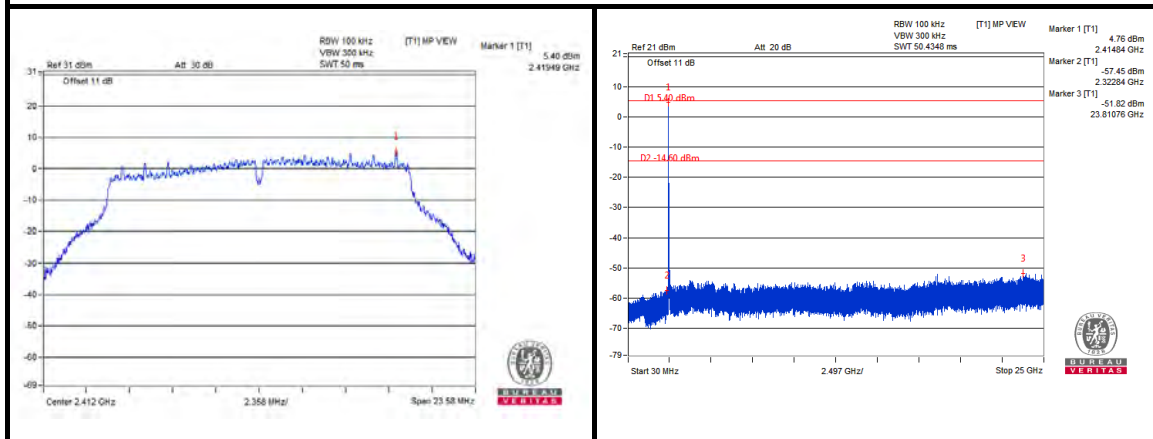


BUREAU
VERITAS

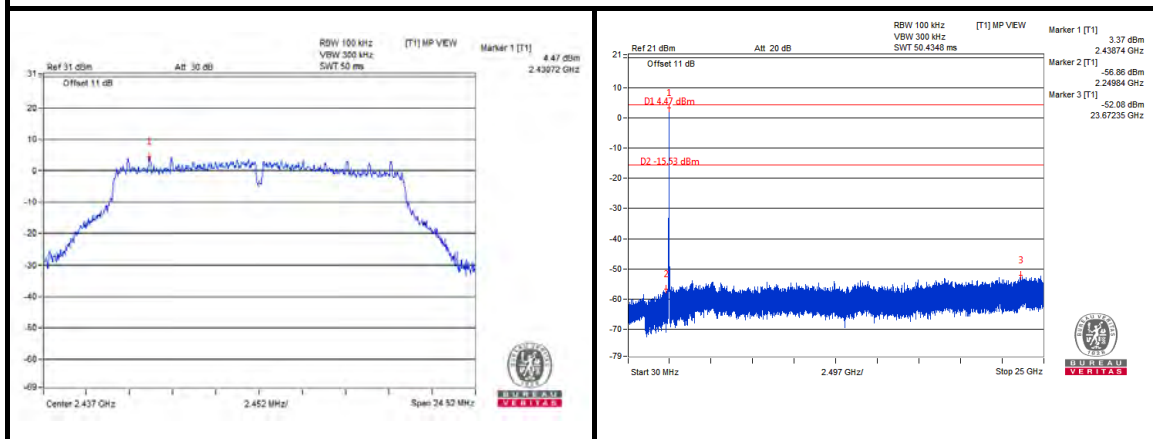
Test Report No.: W7L-P21100002RF08

ANT 1

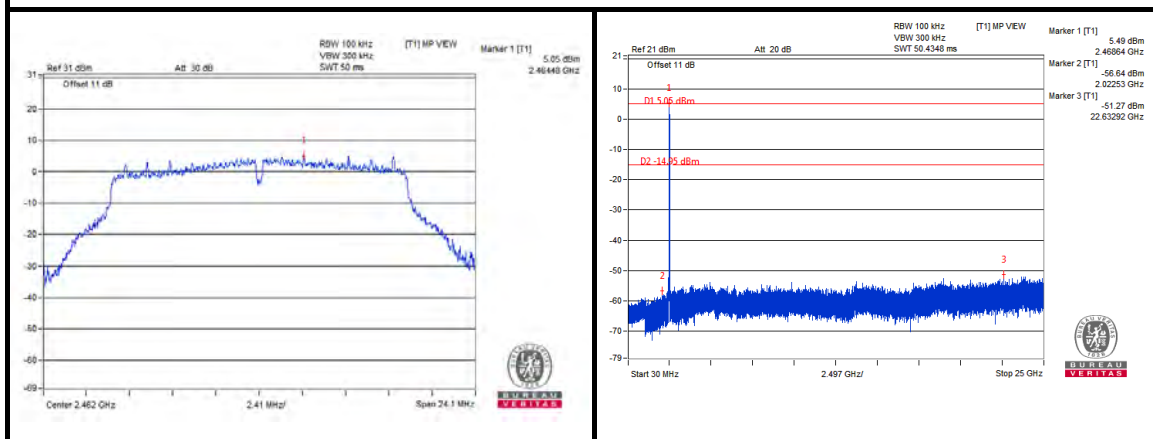
CH 1



CH 6



CH 11

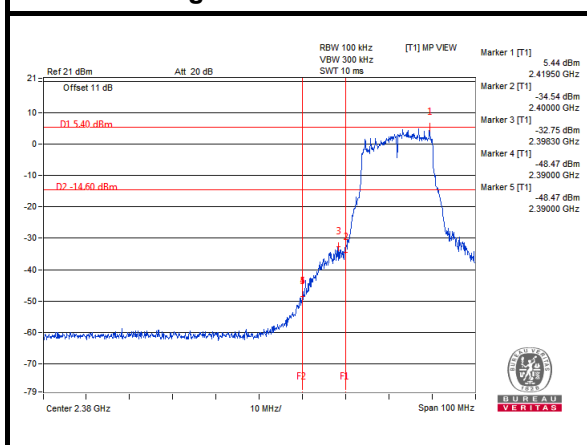




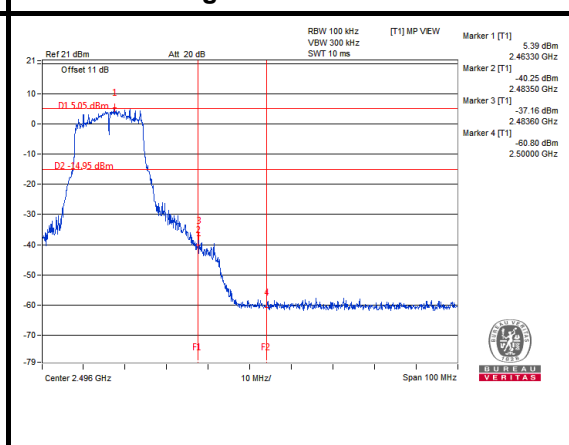
BUREAU
VERITAS

Test Report No.: W7L-P21100002RF08

CH 1 Band Edge



CH 11 Band Edge





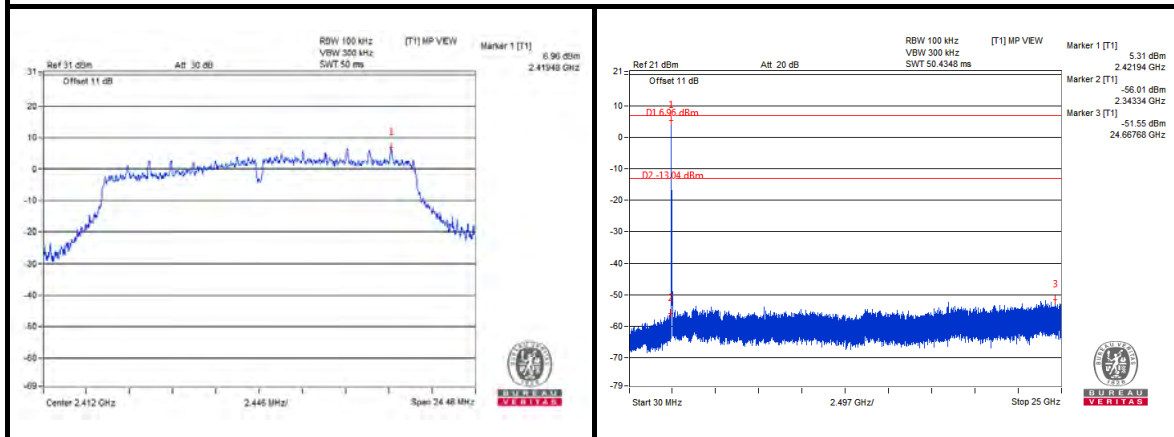
BUREAU
VERITAS

Test Report No.: W7L-P21100002RF08

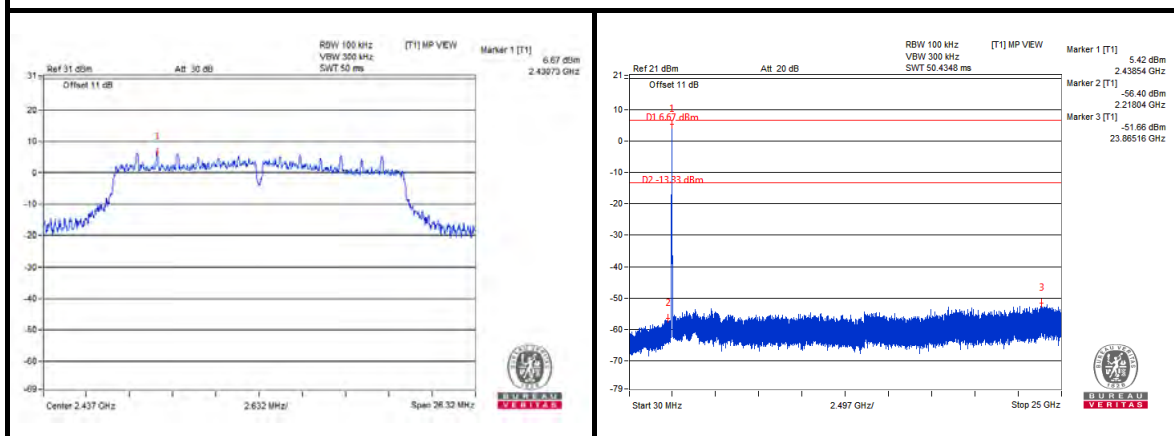
802.11n (20MHz)

ANT 0

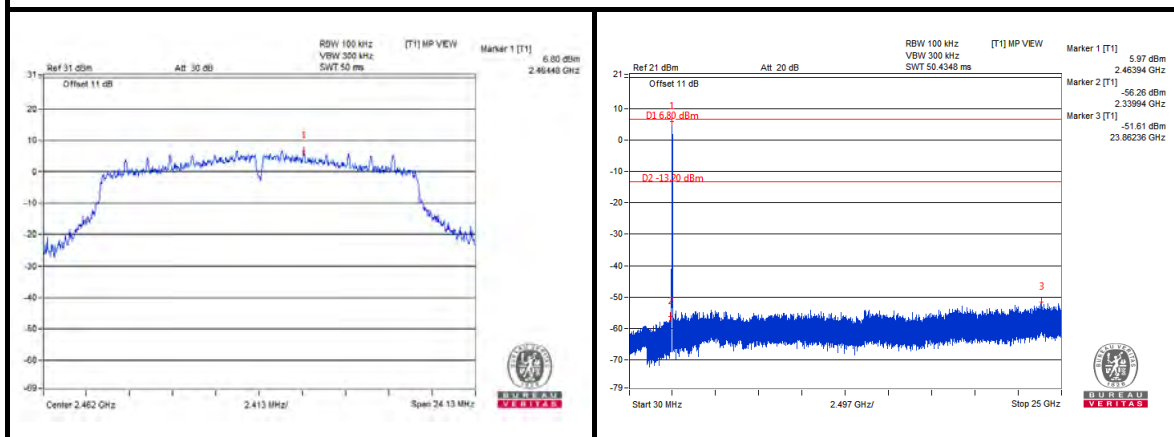
CH 1



CH 6



CH 11

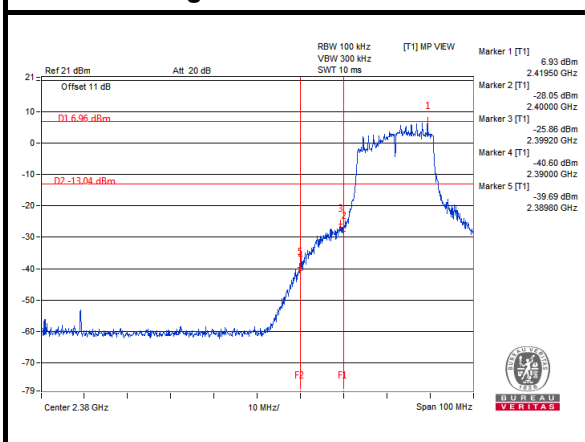




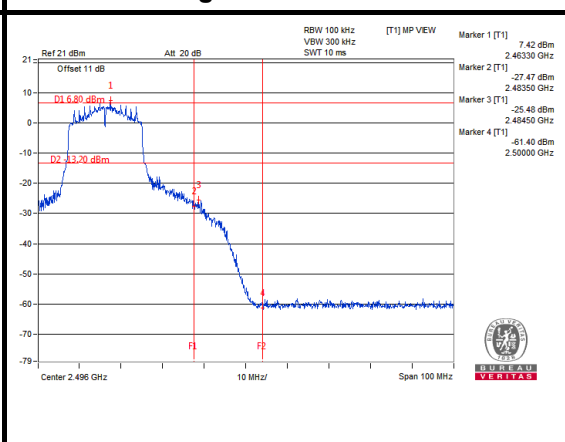
BUREAU
VERITAS

Test Report No.: W7L-P21100002RF08

CH 1 Band Edge



CH 11 Band Edge



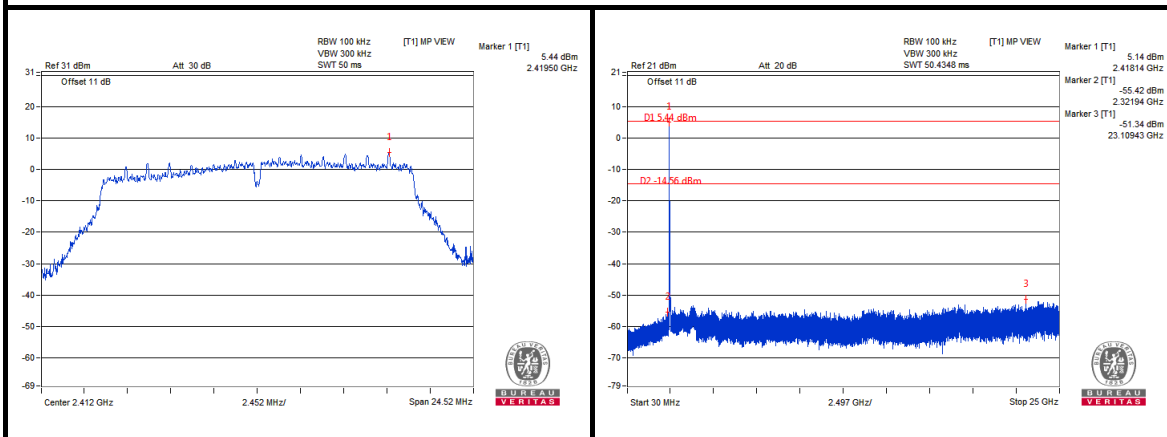


BUREAU
VERITAS

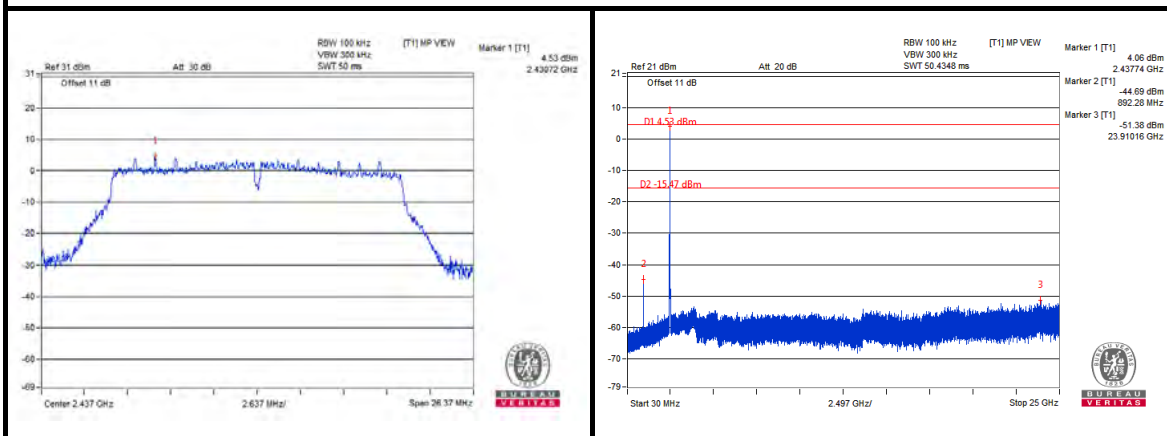
Test Report No.: W7L-P21100002RF08

ANT 1

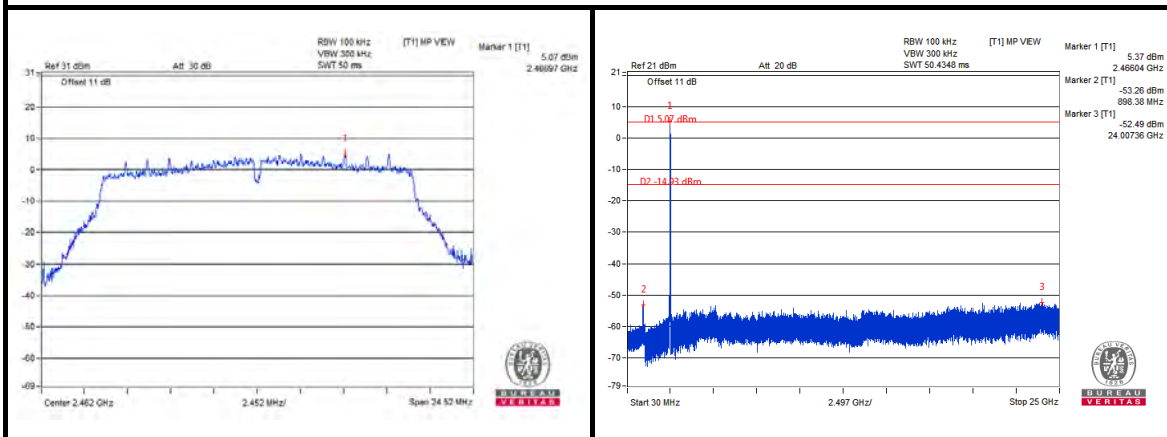
CH 1



CH 6



CH 11

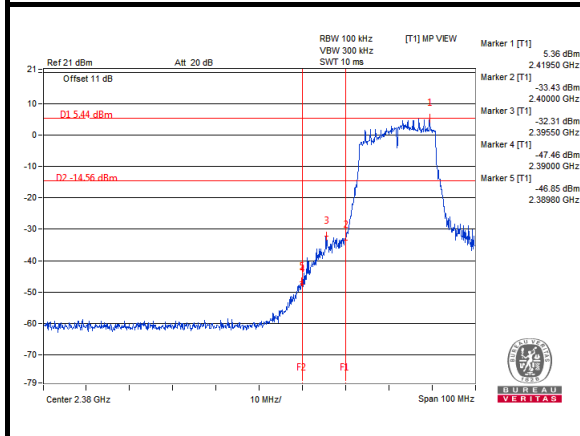




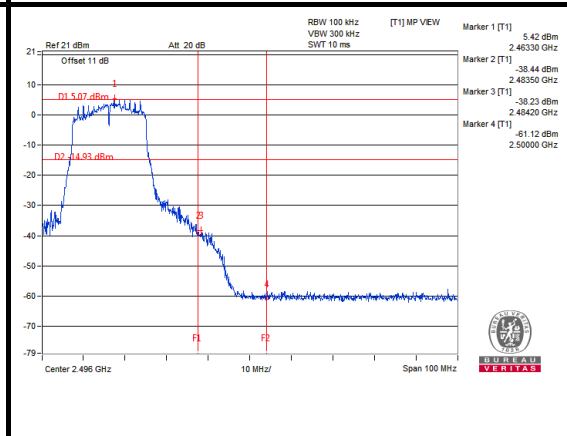
BUREAU
VERITAS

Test Report No.: W7L-P21100002RF08

CH 1 Band Edge



CH 11 Band Edge





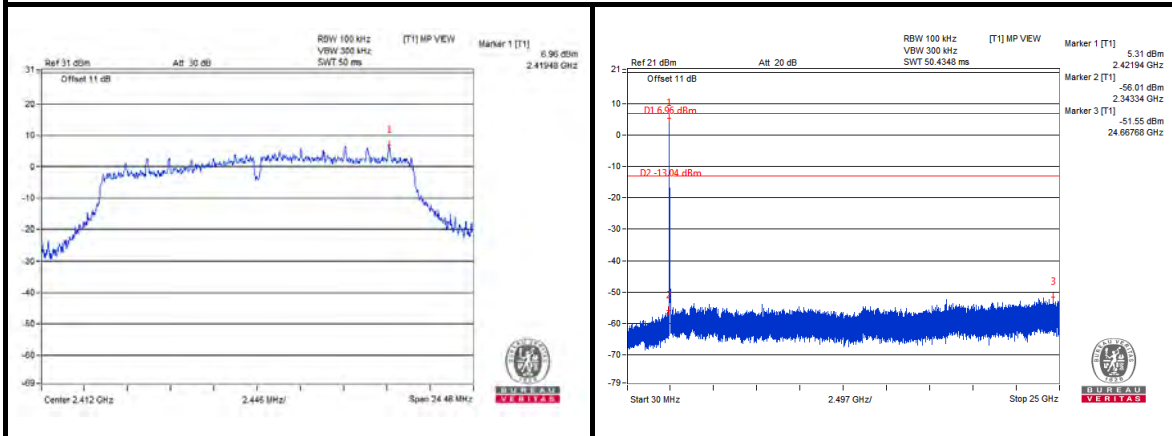
BUREAU
VERITAS

Test Report No.: W7L-P21100002RF08

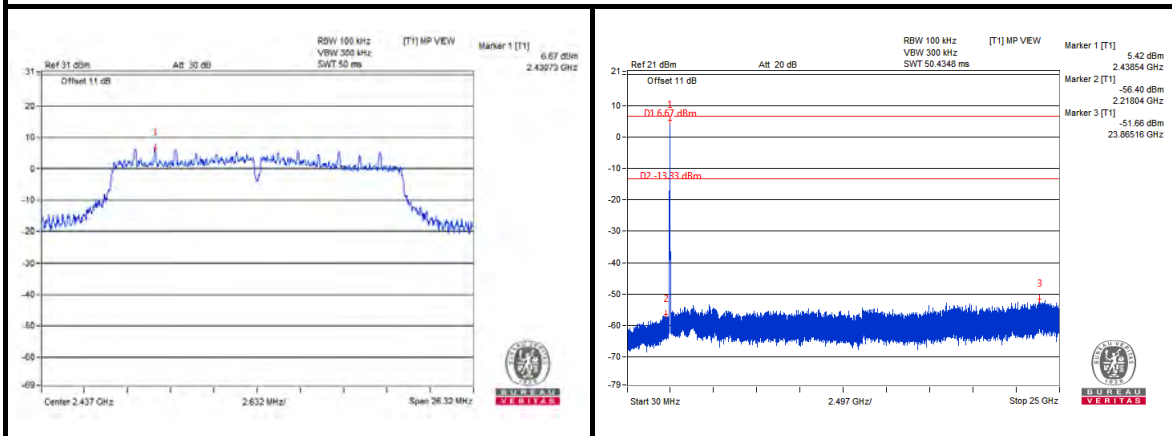
802.11ax (20MHz)

ANT 0

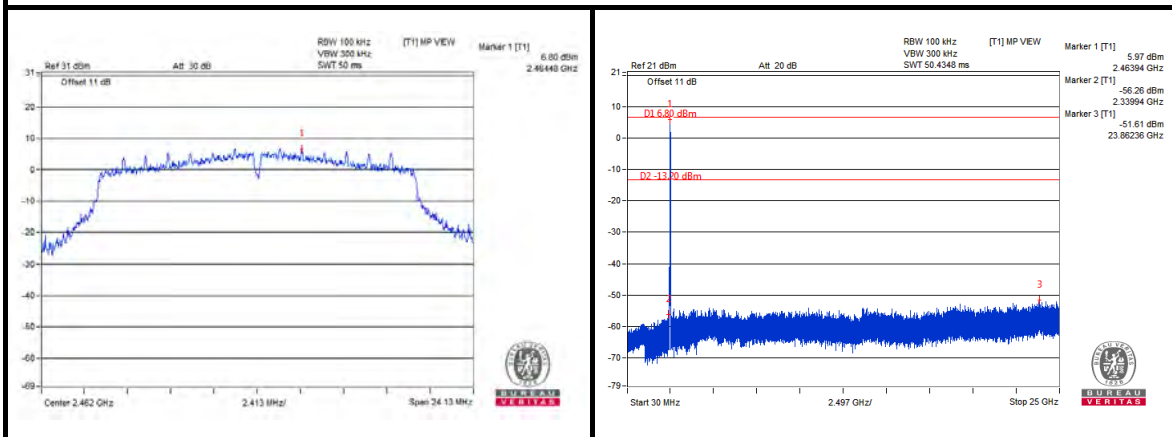
CH 1



CH 6



CH 11

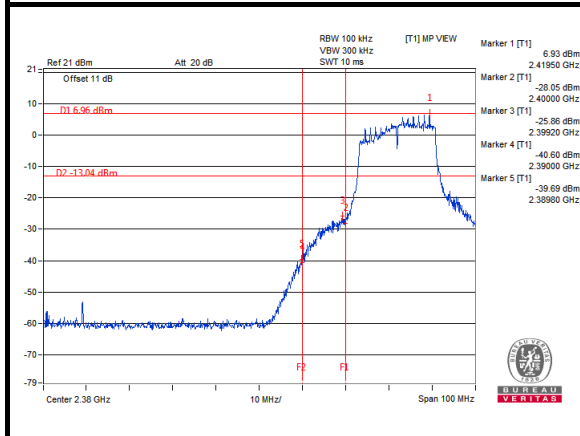




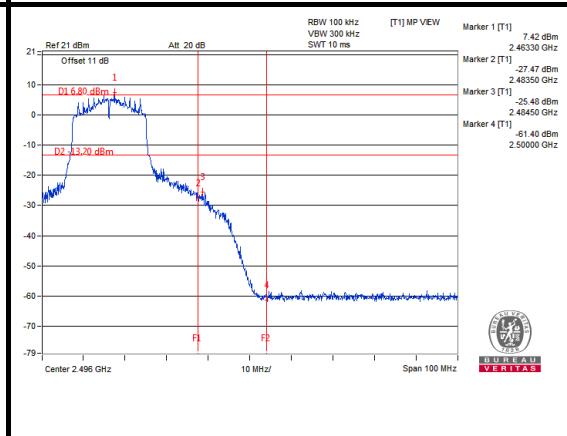
BUREAU
VERITAS

Test Report No.: W7L-P21100002RF08

CH 1 Band Edge



CH 11 Band Edge



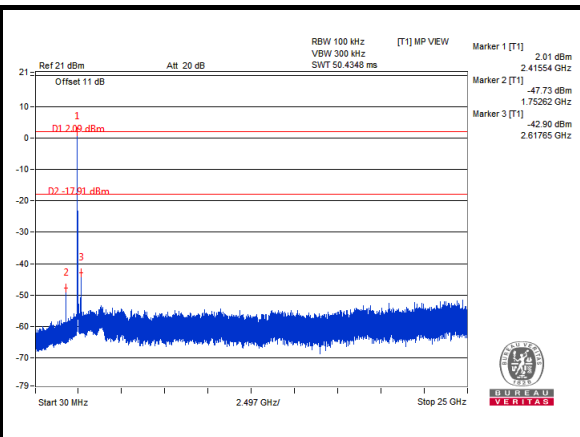
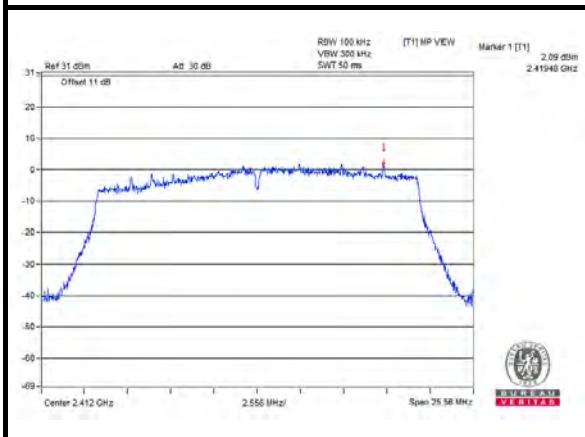


BUREAU
VERITAS

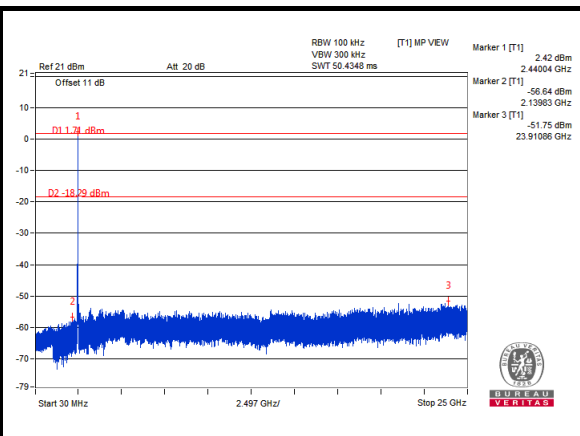
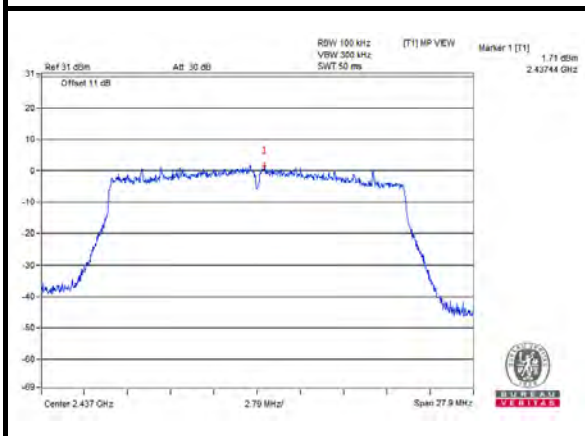
Test Report No.: W7L-P21100002RF08

ANT 1

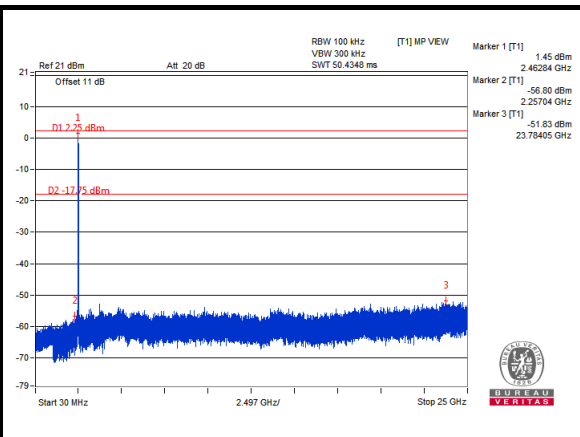
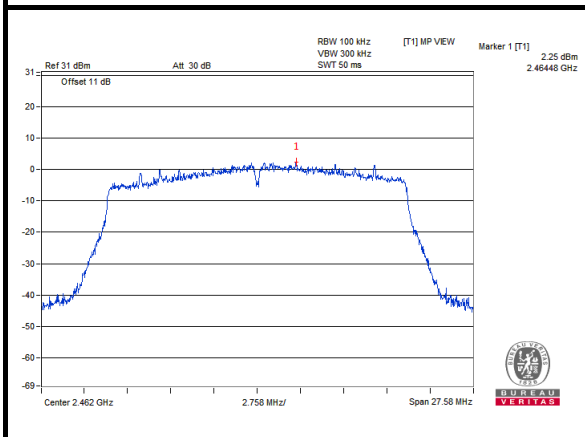
CH 1



CH 6



CH 11

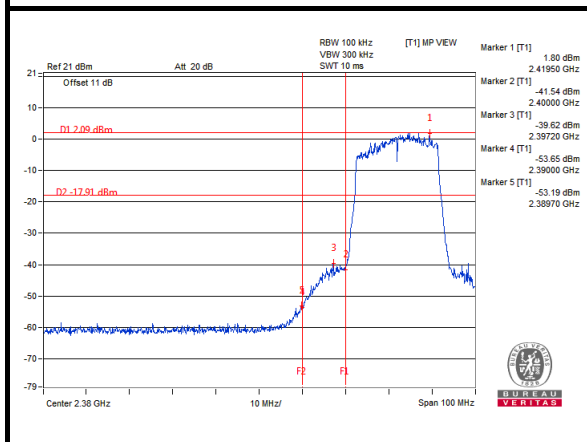




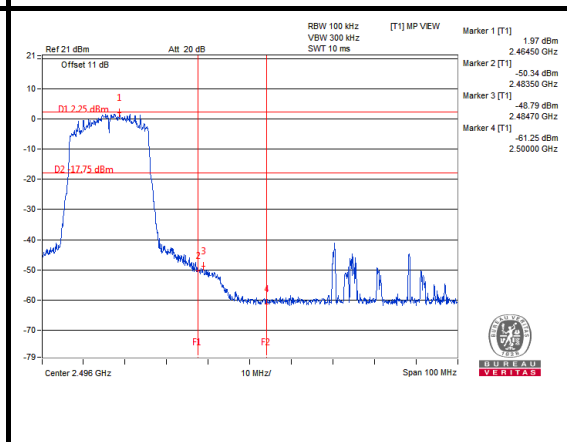
BUREAU
VERITAS

Test Report No.: W7L-P21100002RF08

CH 1 Band Edge



CH 11 Band Edge





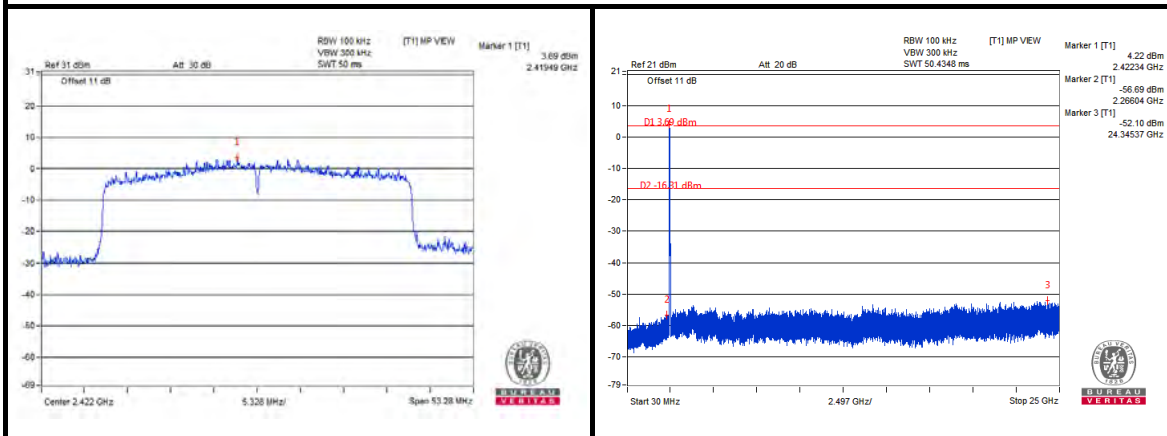
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VERITAS

Test Report No.: W7L-P21100002RF08

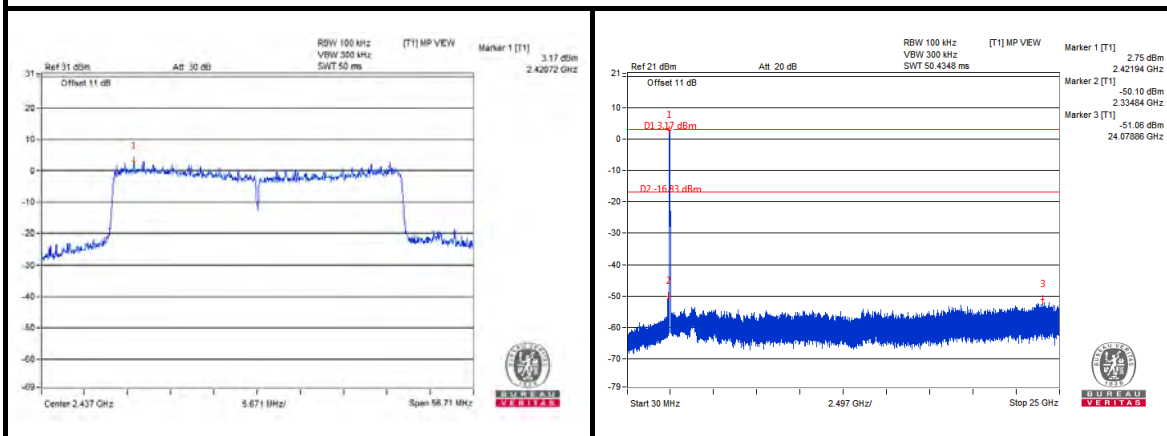
802.11n (40MHz)

ANT 0

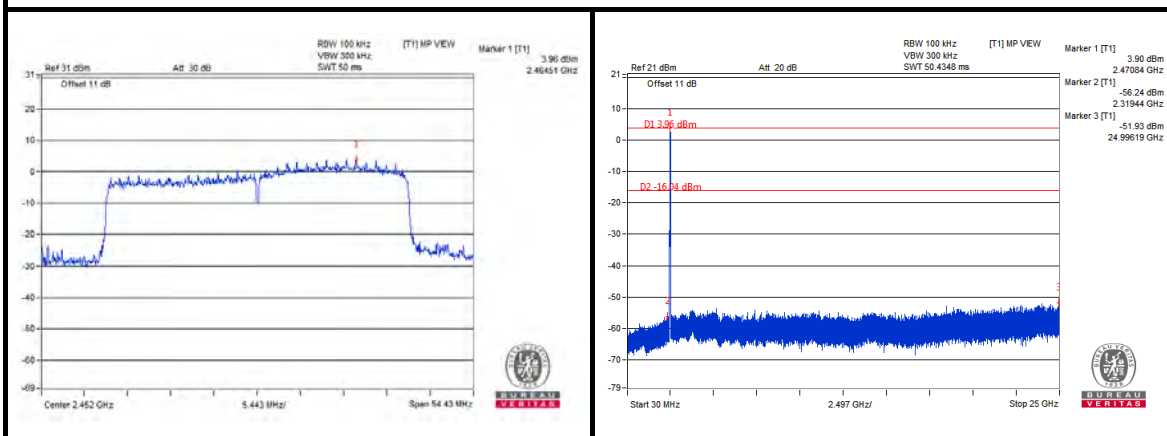
CH 3



CH 6



CH 9

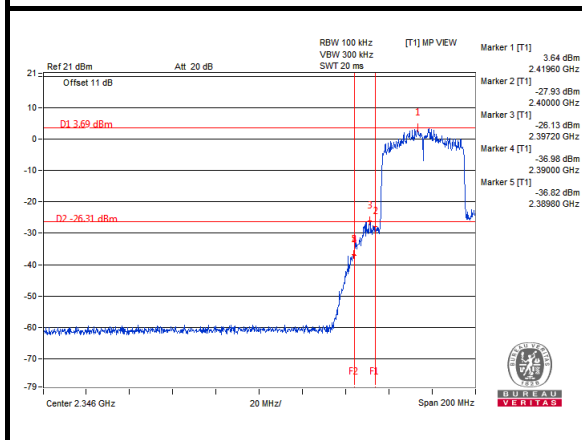




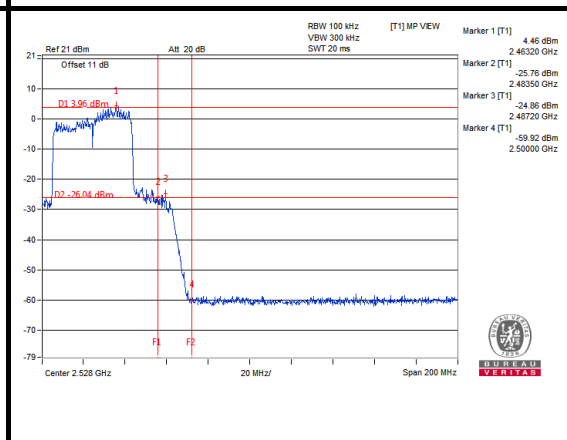
BUREAU
VERITAS

Test Report No.: W7L-P21100002RF08

CH 1 Band Edge



CH 11 Band Edge



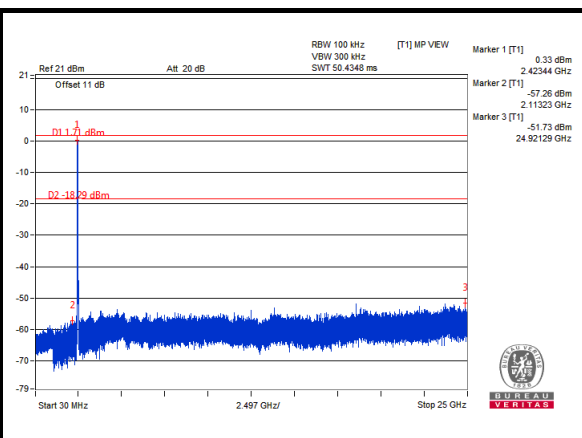


BUREAU
VERITAS

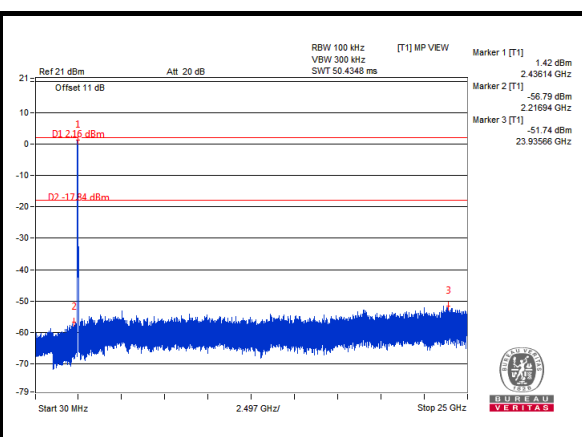
Test Report No.: W7L-P21100002RF08

ANT 1

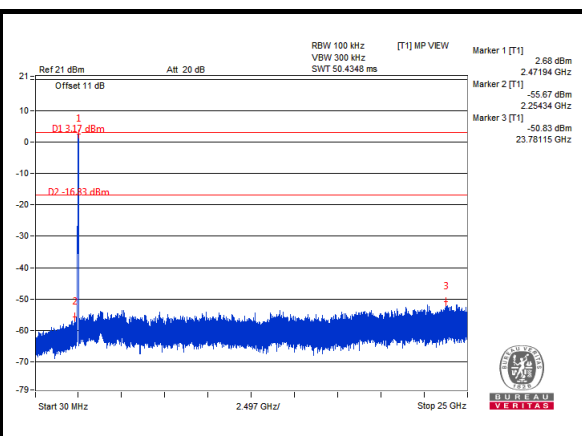
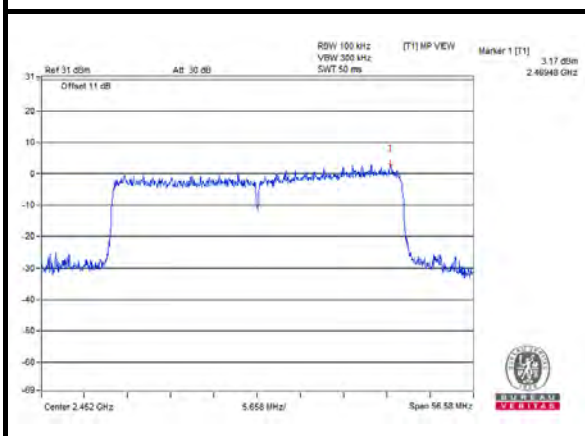
CH 3



CH 6



CH 9

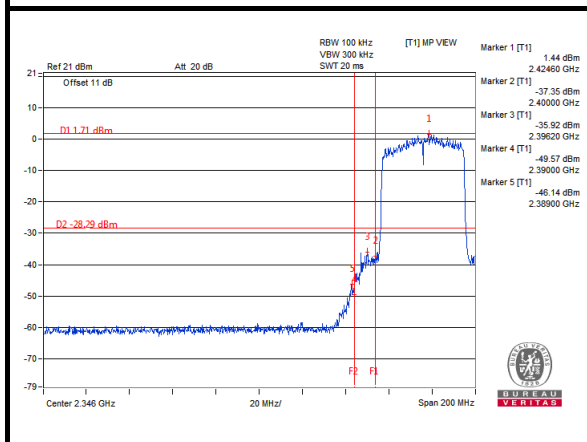




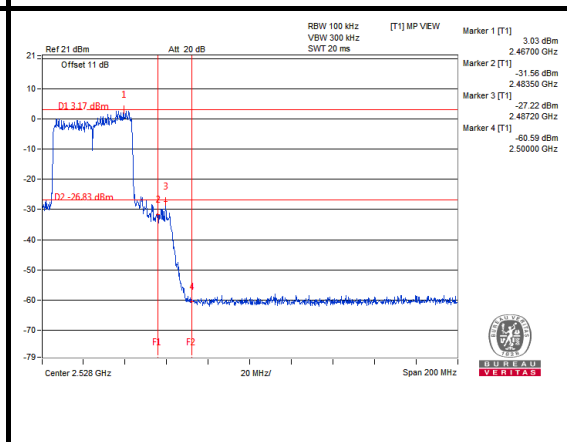
BUREAU
VERITAS

Test Report No.: W7L-P21100002RF08

CH 3 Band Edge



CH 9 Band Edge





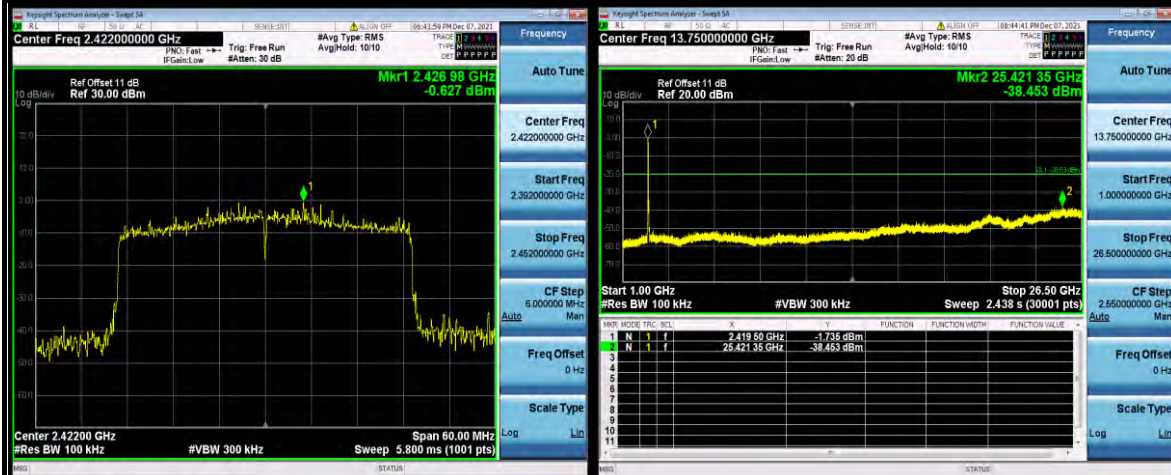
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VERITAS

Test Report No.: W7L-P21100002RF08

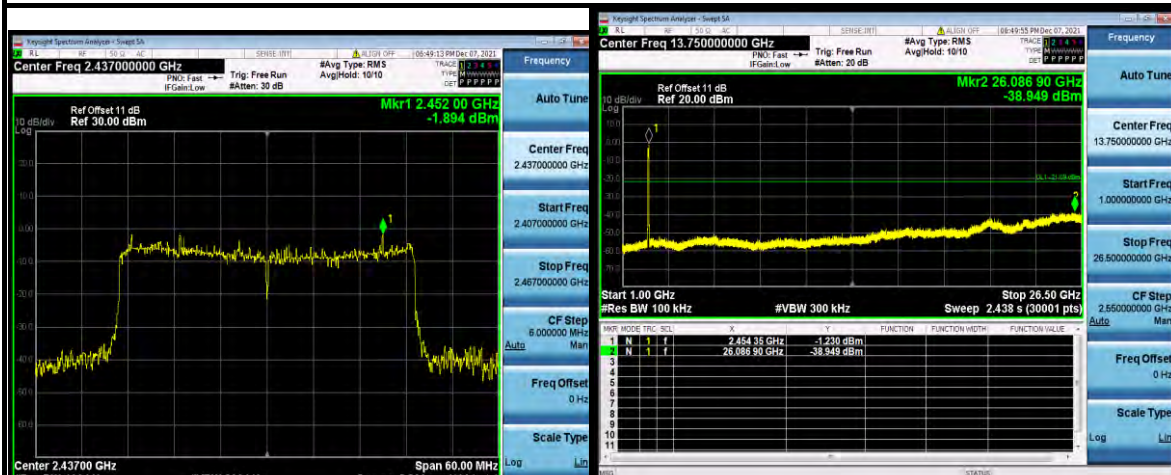
802.11ax (40MHz)

ANT 0

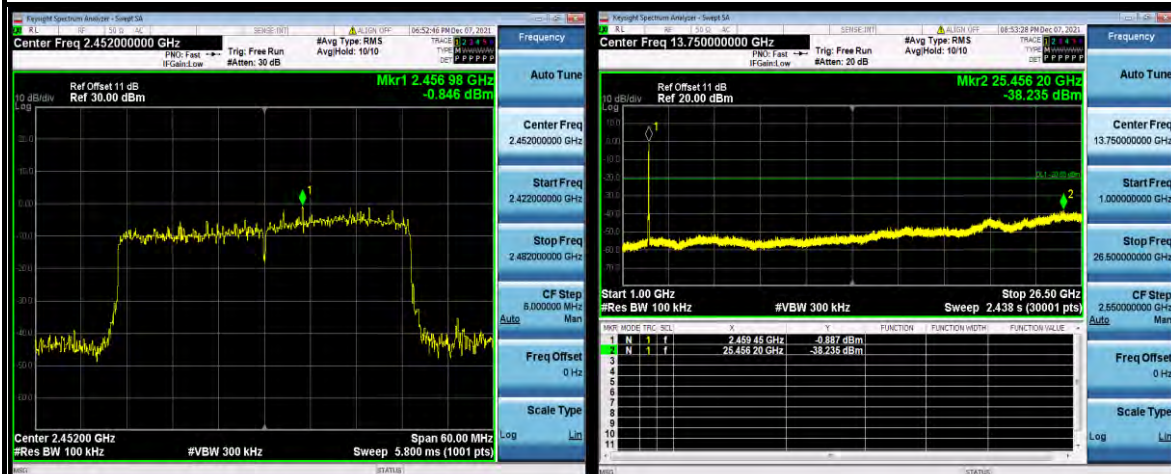
CH 3



CH 6



CH 9



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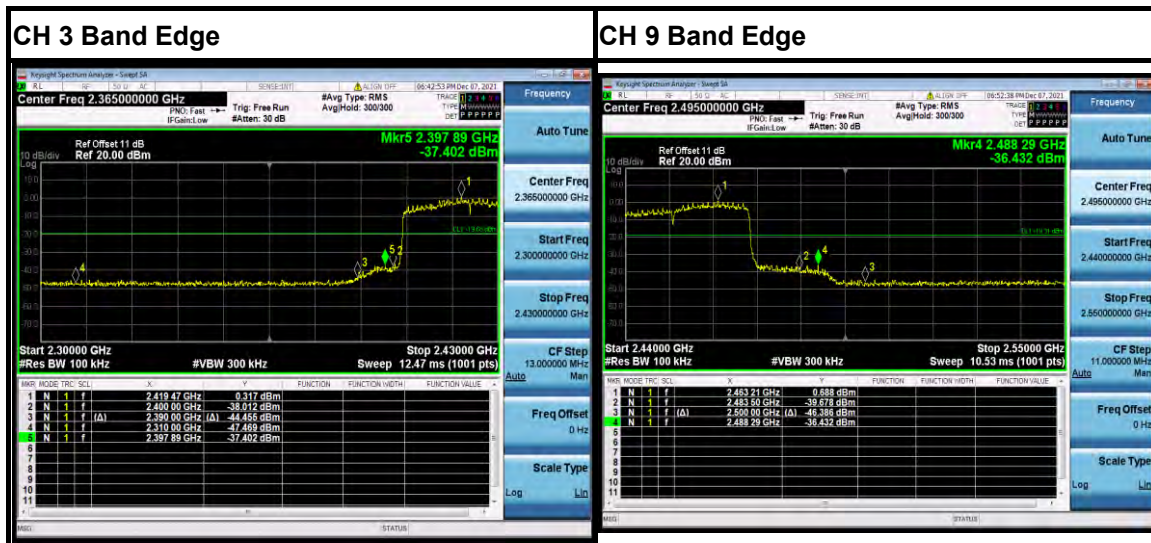
No.B102, Dazu Chuangxin Mansion, North of Beihuan
Avenue, North Area, Hi-Tech Industrial Park, Nanshan
District, Shenzhen, Guangdong, China

Tel: +86 755 8869 6566
Fax: +86 755 8869 6577
Email: customerservice.sw@bureauveritas.com



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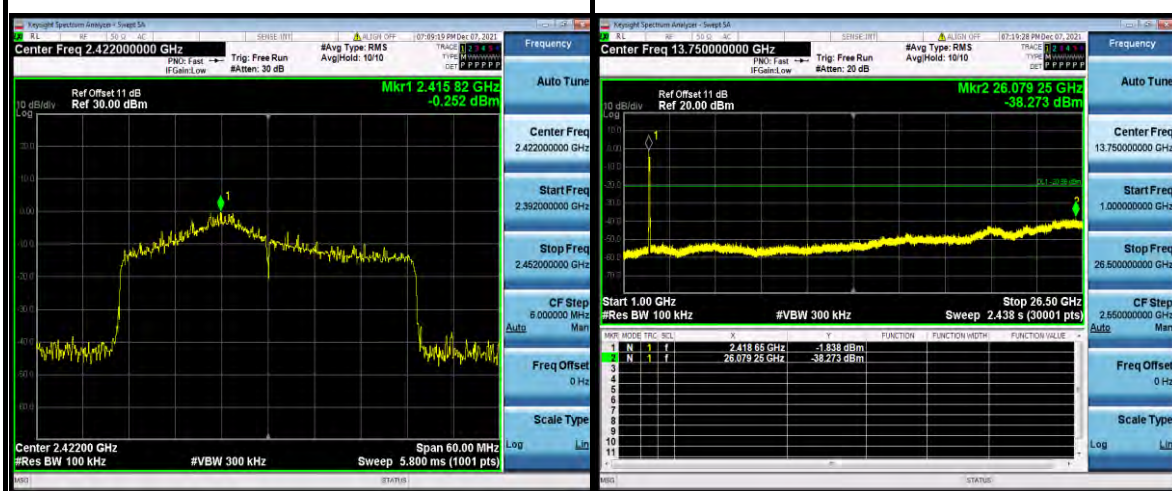


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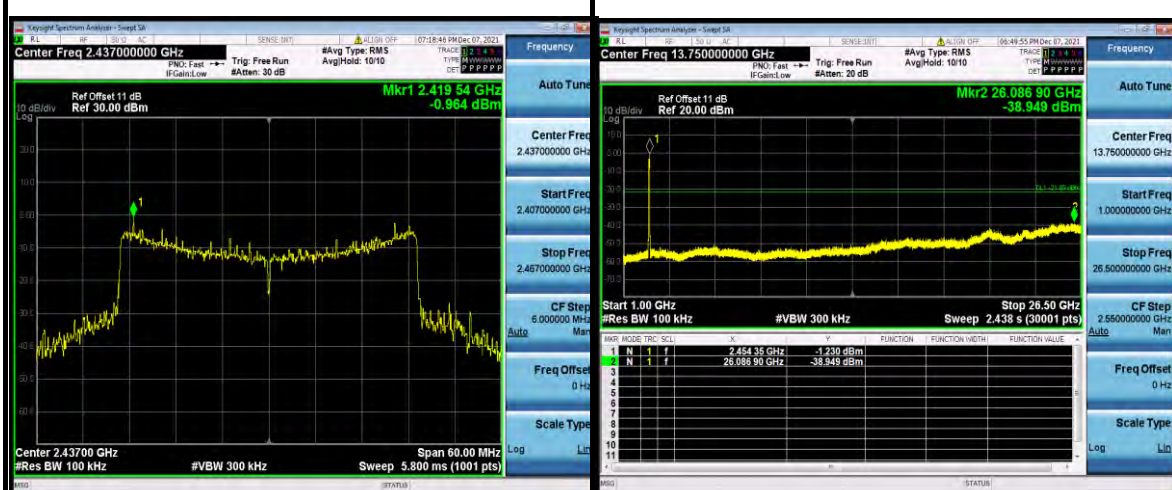
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ANT 1

CH 3



CH 6



CH 9



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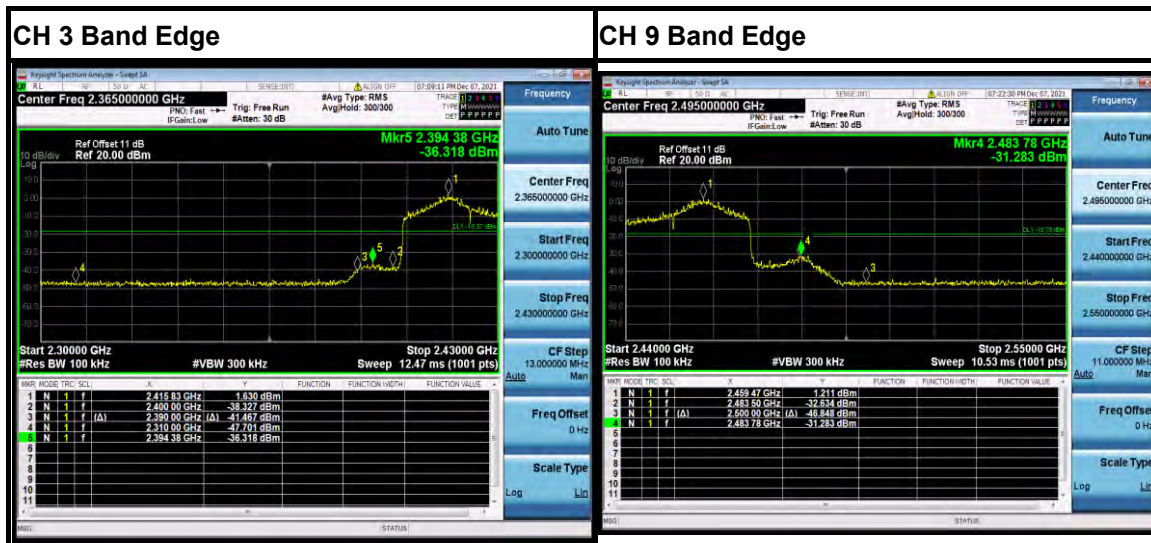
No.B102, Dazu Chuangxin Mansion, North of Beihuan
Avenue, North Area, Hi-Tech Industrial Park, Nanshan
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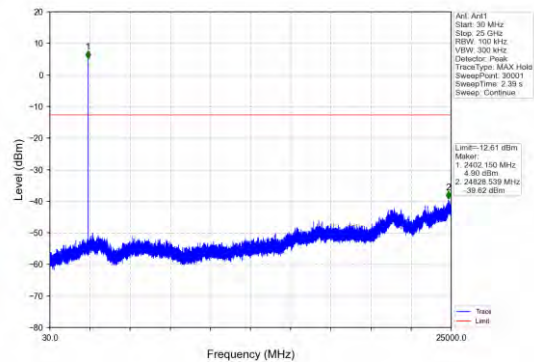
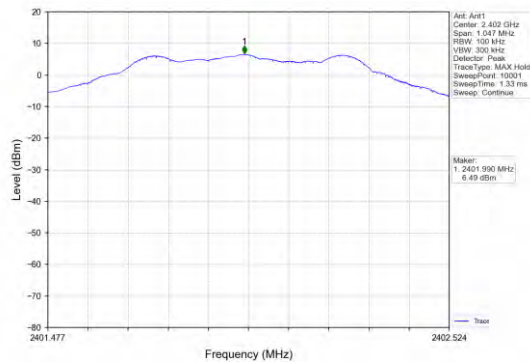


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VERITAS

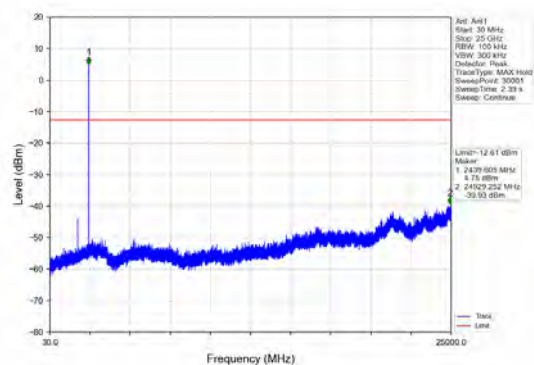
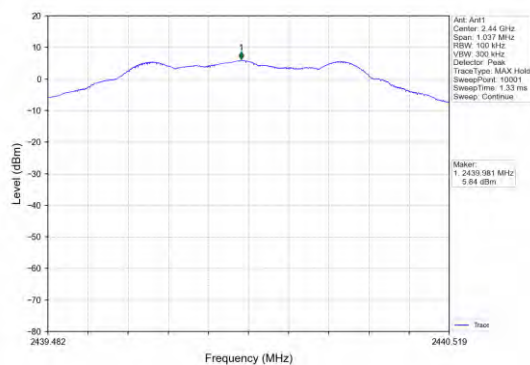
Test Report No.: W7L-P21100002RF08

BT-LE (1MHz)

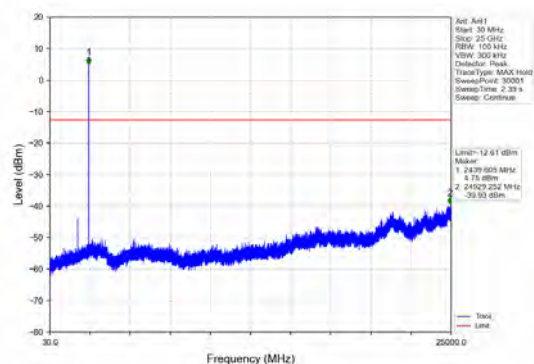
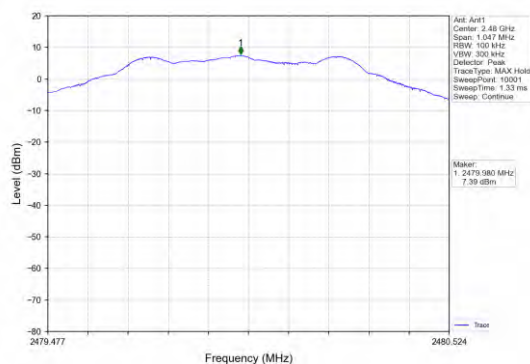
CH 0



CH 19



CH 39

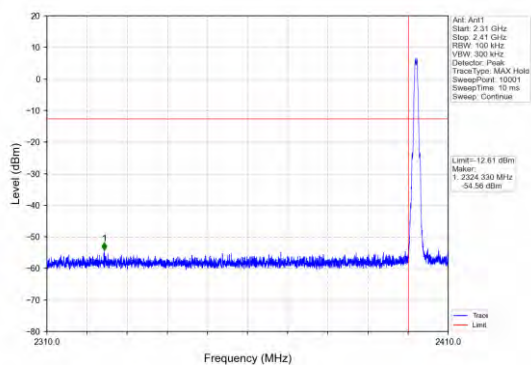




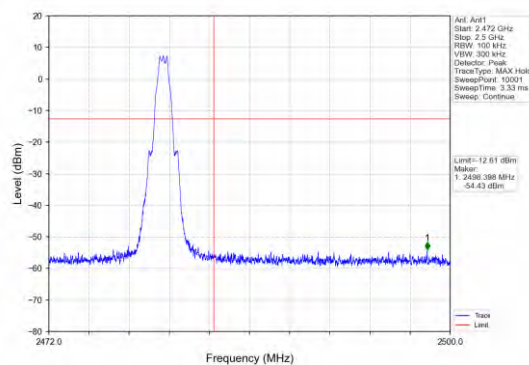
BUREAU
VERITAS

Test Report No.: W7L-P21100002RF08

CH 0 Band Edge



CH 39 Band Edge



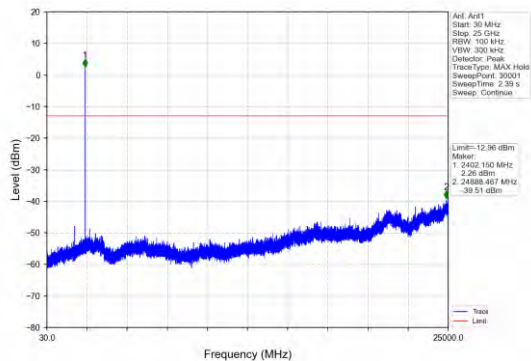
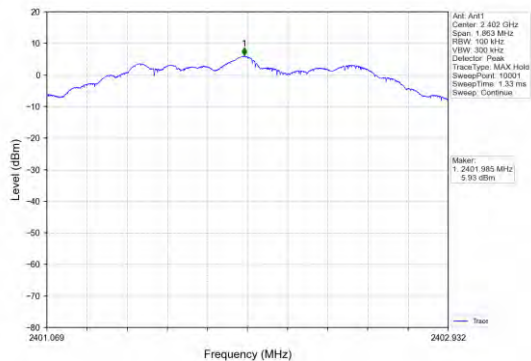


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VERITAS

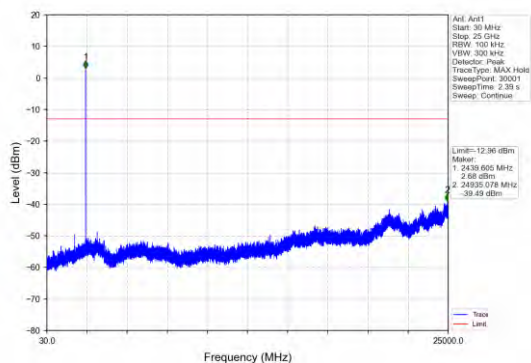
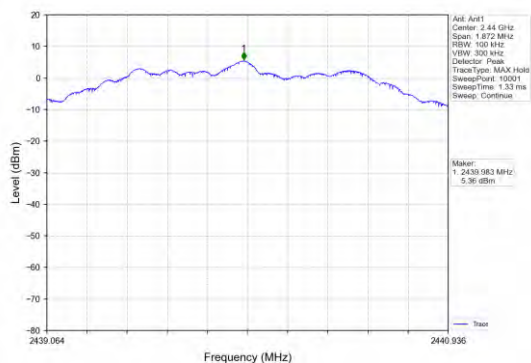
Test Report No.: W7L-P21100002RF08

BT-LE (2MHz)

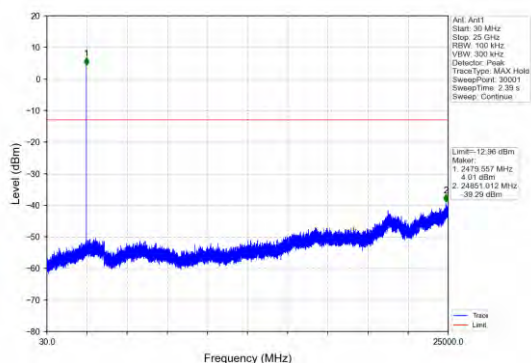
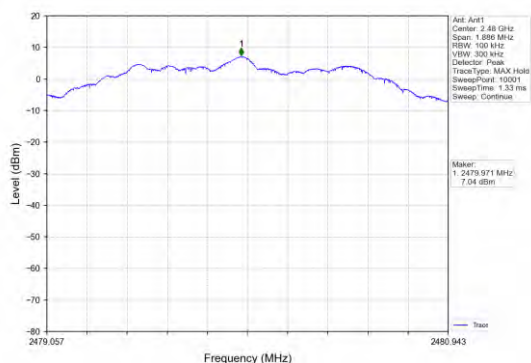
CH 0



CH 19



CH 39

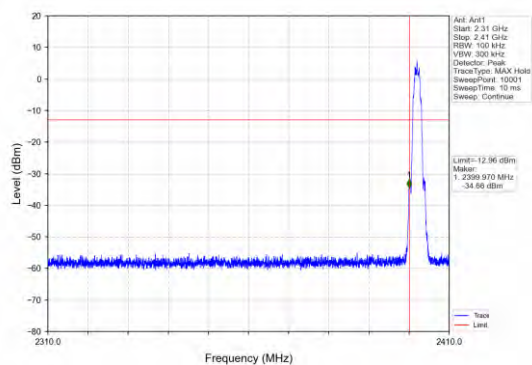




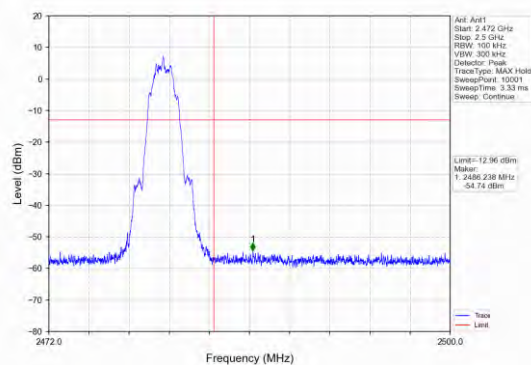
BUREAU
VERITAS

Test Report No.: W7L-P21100002RF08

CH 0 Band Edge



CH 39 Band Edge



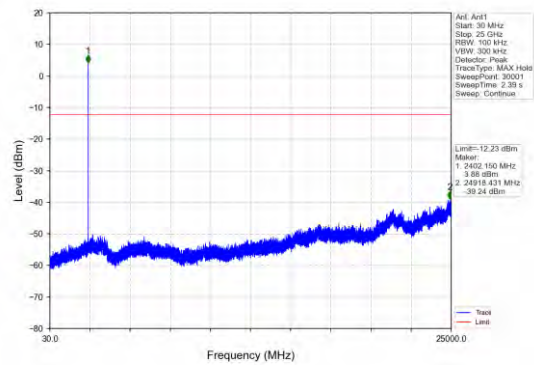
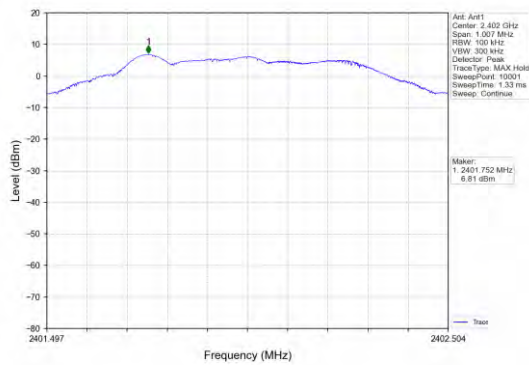


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VERITAS

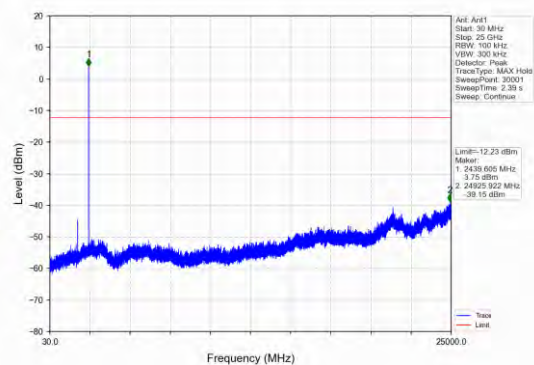
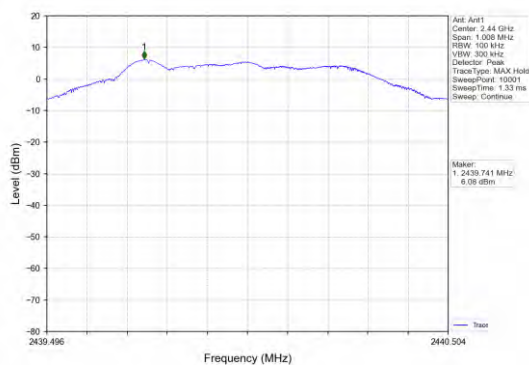
Test Report No.: W7L-P21100002RF08

BT-LE (S2)

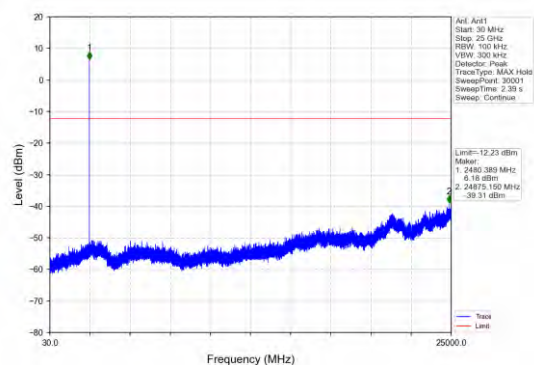
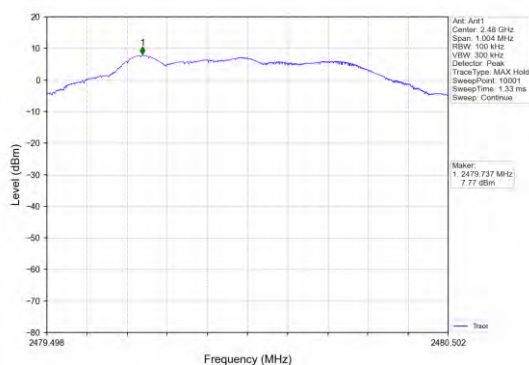
CH 0



CH 19



CH 39

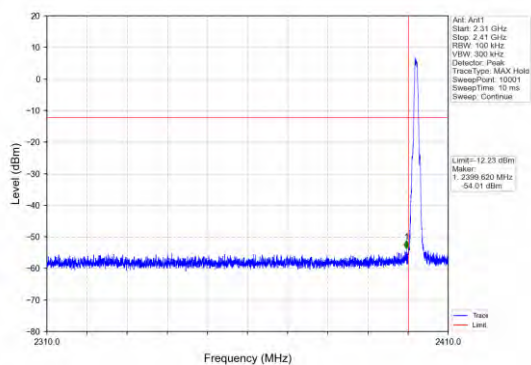




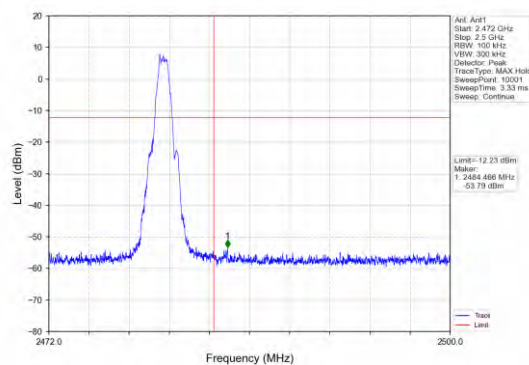
BUREAU
VERITAS

Test Report No.: W7L-P21100002RF08

CH 0 Band Edge



CH 39 Band Edge



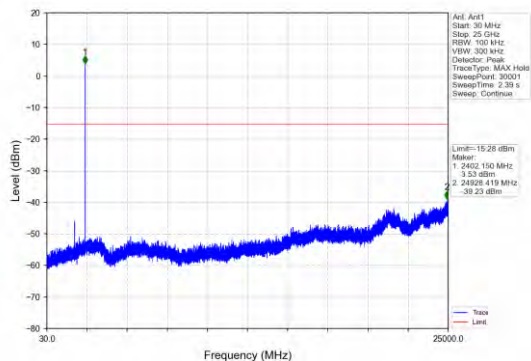
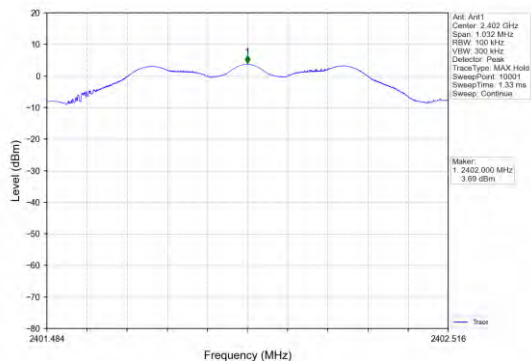


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VERITAS

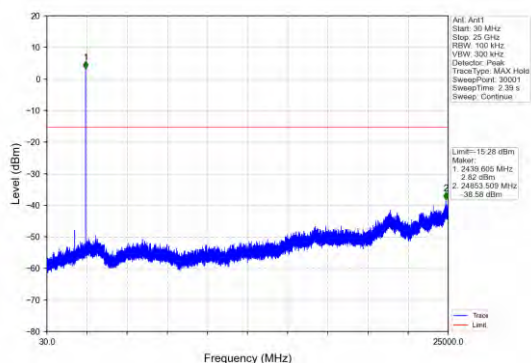
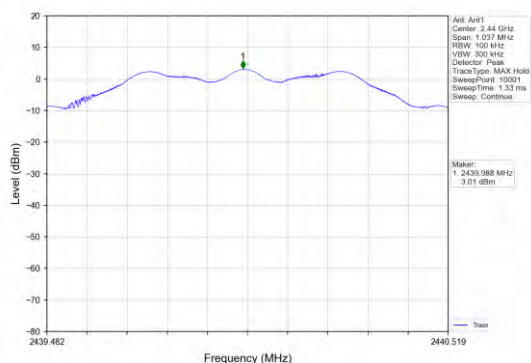
Test Report No.: W7L-P21100002RF08

BT-LE (S8)

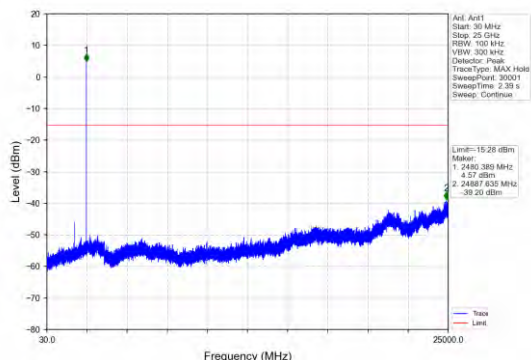
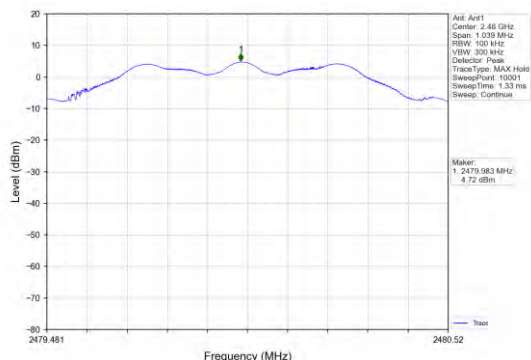
CH 0



CH 19



CH 39

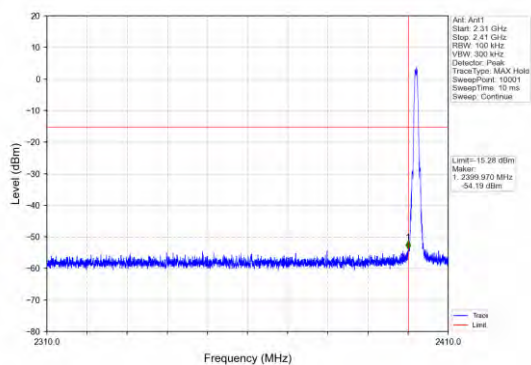




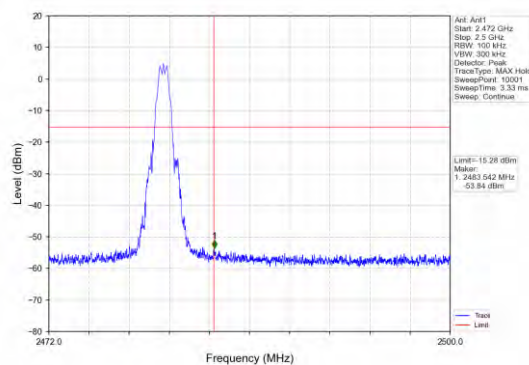
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VERITAS

Test Report No.: W7L-P21100002RF08

CH 0 Band Edge



CH 39 Band Edge



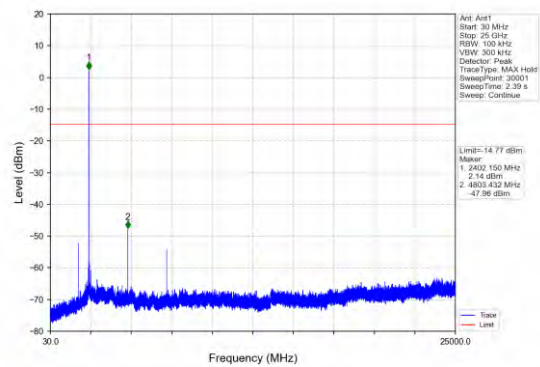
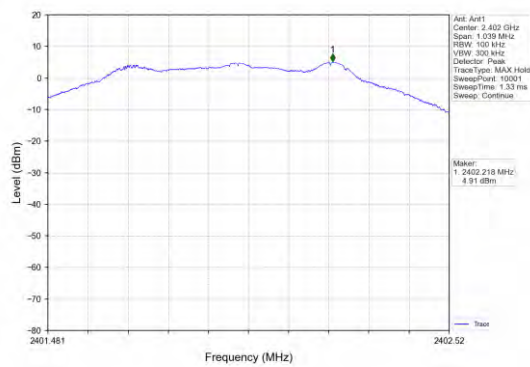


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VERITAS

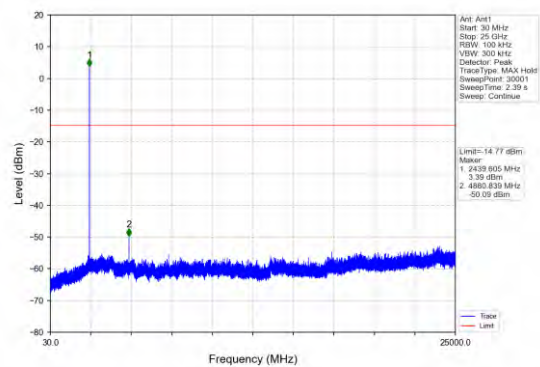
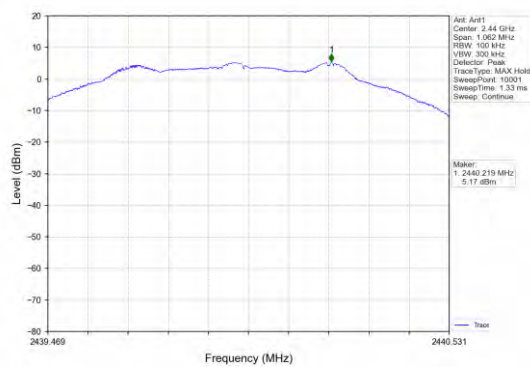
Test Report No.: W7L-P21100002RF08

2SECEND-BT-LE (1MHz)

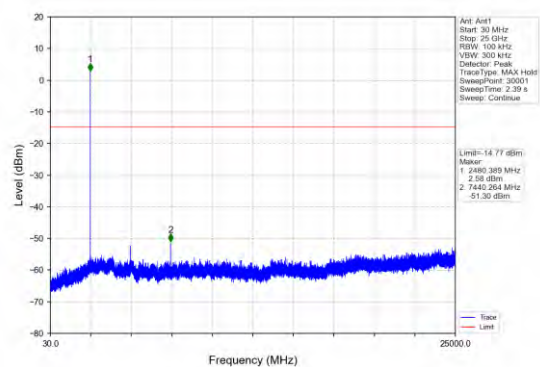
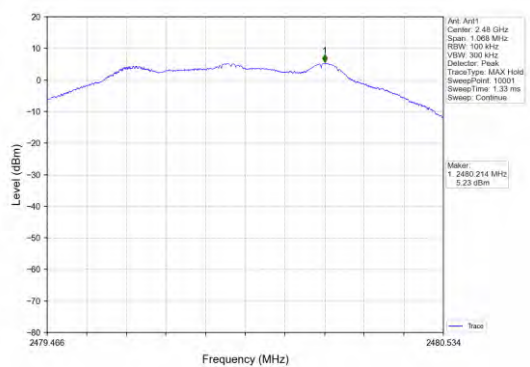
CH 0



CH 19



CH 39

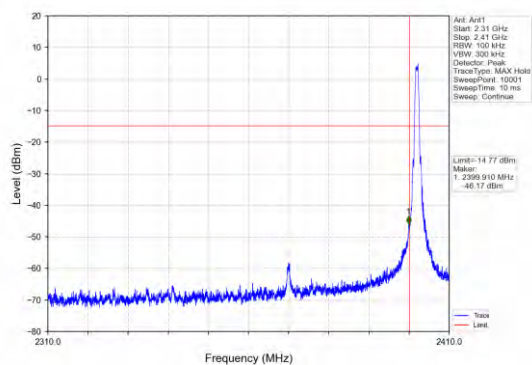




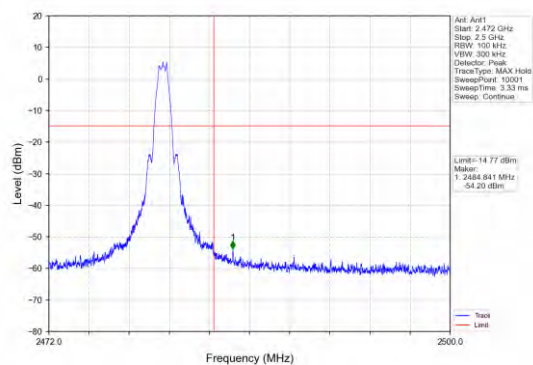
BUREAU
VERITAS

Test Report No.: W7L-P21100002RF08

CH 0 Band Edge



CH 39 Band Edge



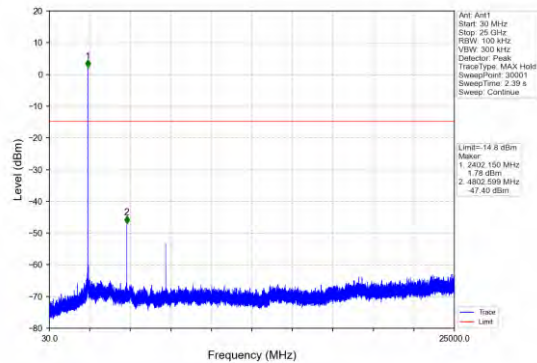
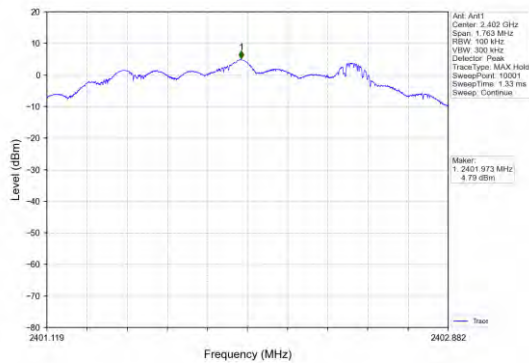


BUREAU
VERITAS

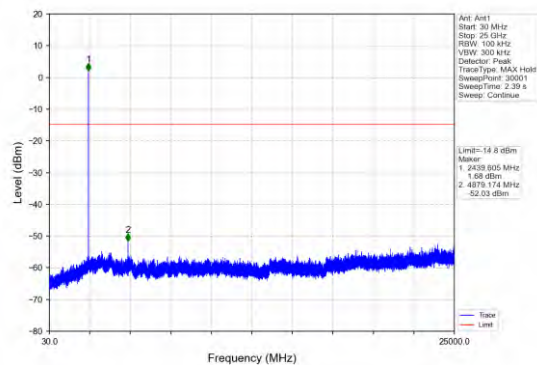
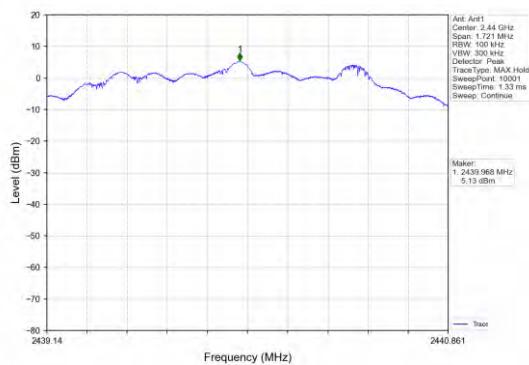
Test Report No.: W7L-P21100002RF08

2SECEND-BT-LE (2MHz)

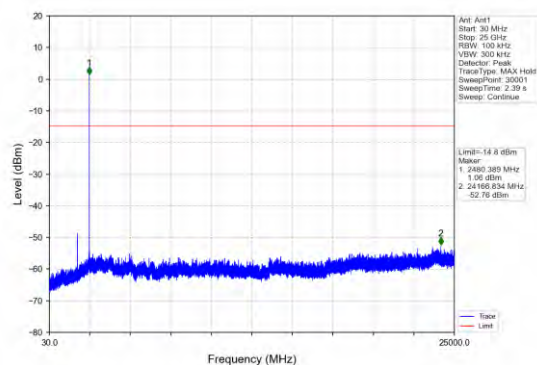
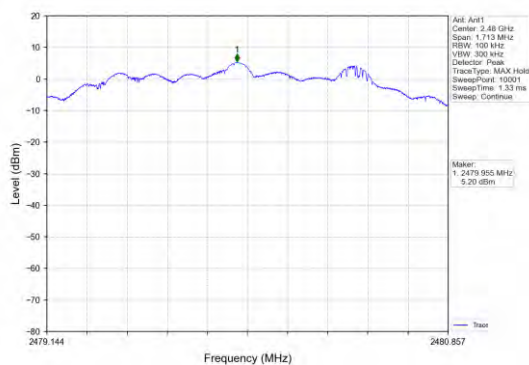
CH 0



CH 19



CH 39

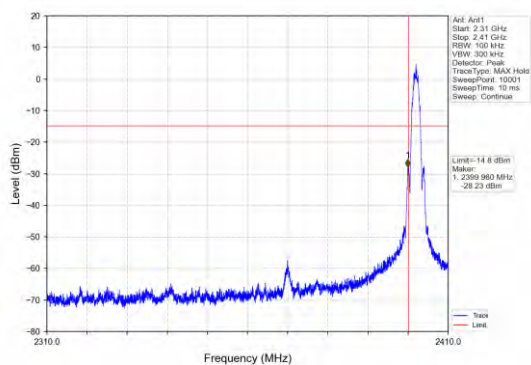




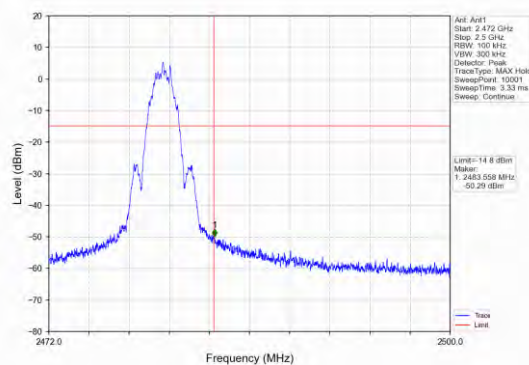
BUREAU
VERITAS

Test Report No.: W7L-P21100002RF08

CH 0 Band Edge



CH 39 Band Edge



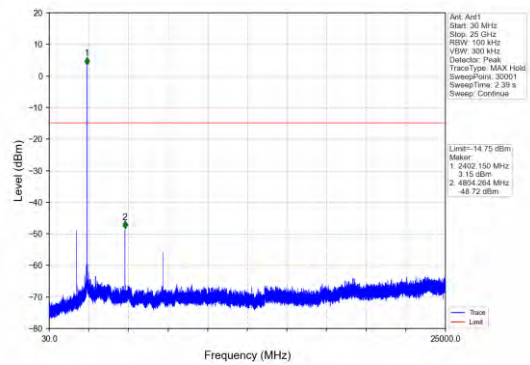
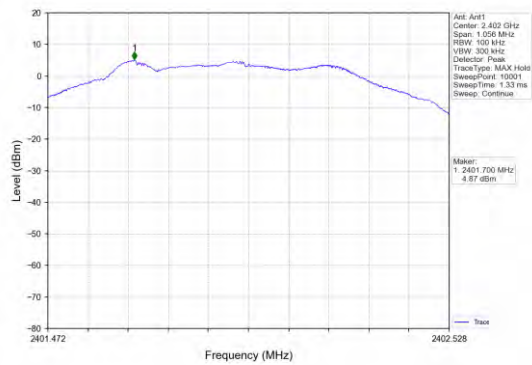


BUREAU
VERITAS

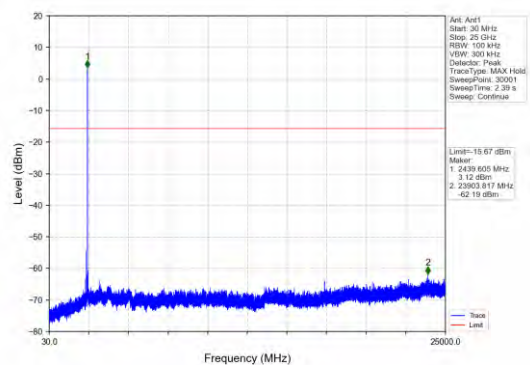
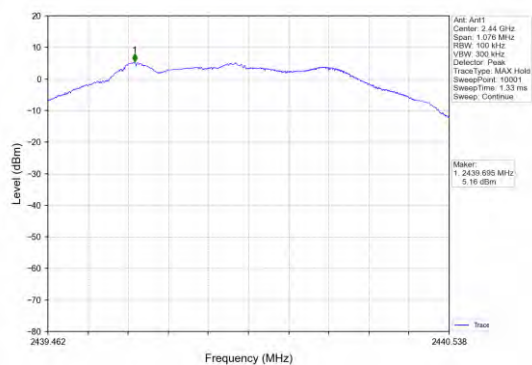
Test Report No.: W7L-P21100002RF08

2SECEND-BT-LE (S2)

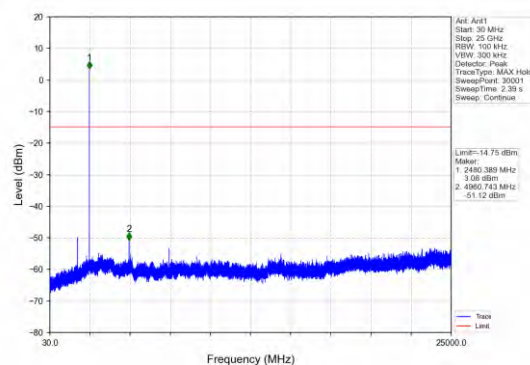
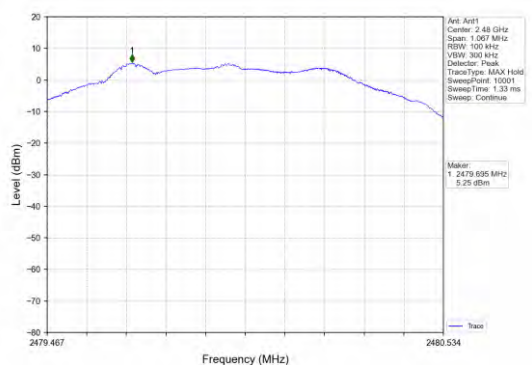
CH 0



CH 19



CH 39

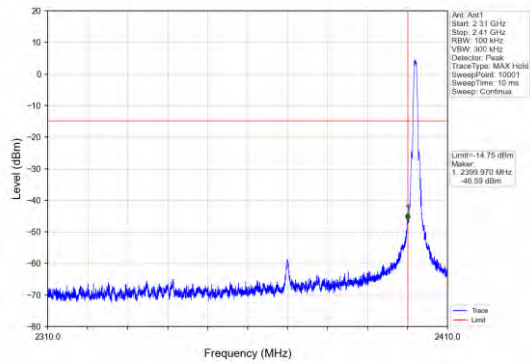




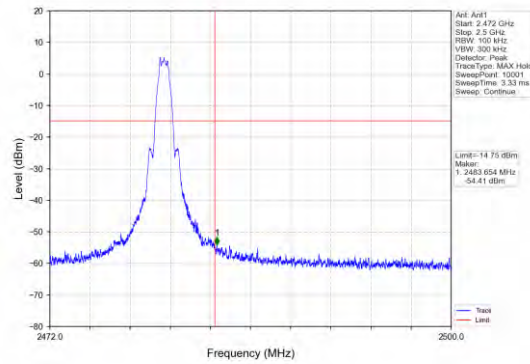
BUREAU
VERITAS

Test Report No.: W7L-P21100002RF08

CH 0 Band Edge



CH 39 Band Edge



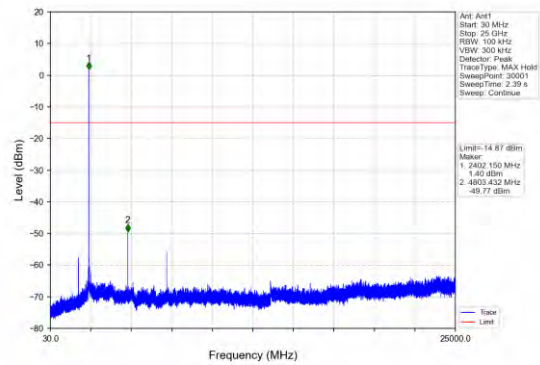
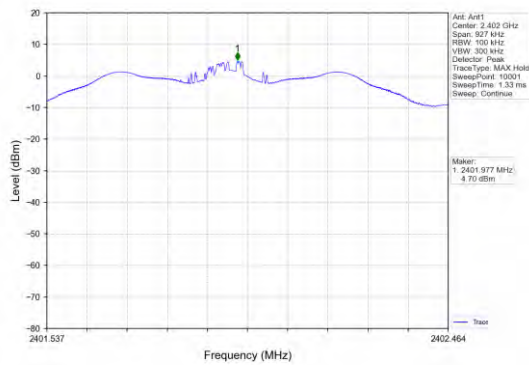


BUREAU
VERITAS

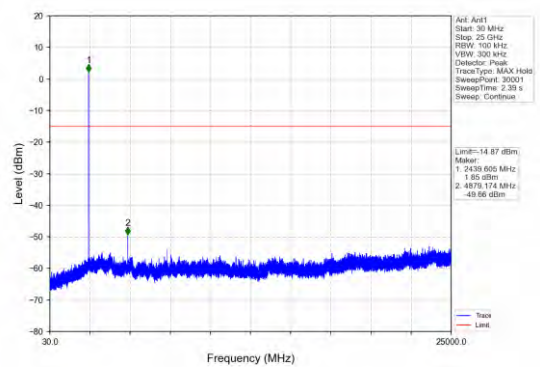
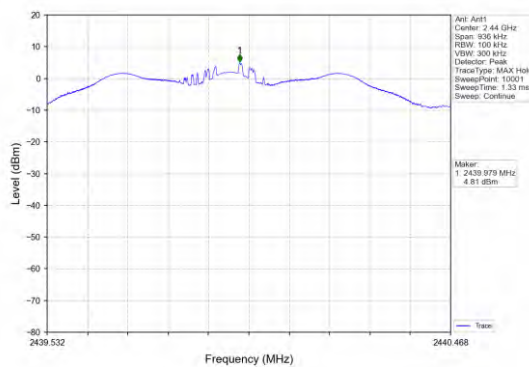
Test Report No.: W7L-P21100002RF08

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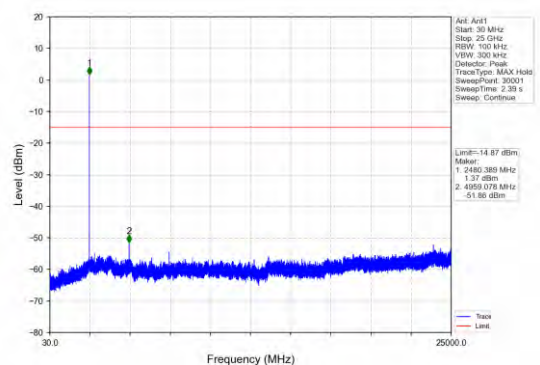
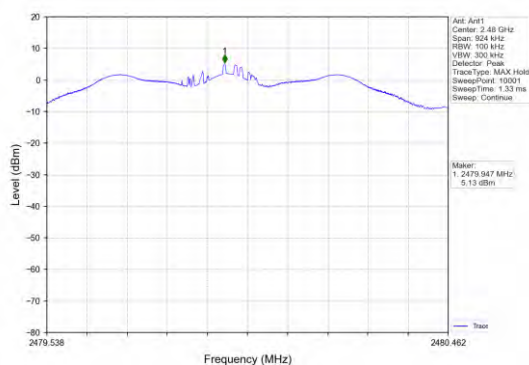
CH 0



CH 19



CH 39

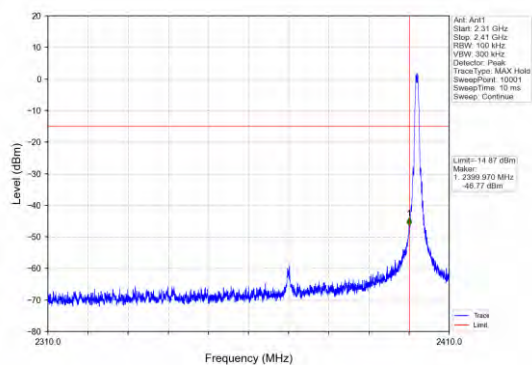




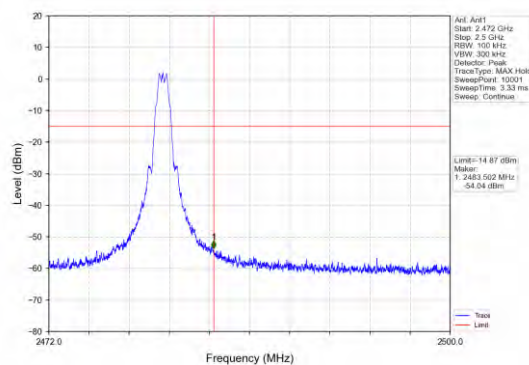
BUREAU
VERITAS

Test Report No.: W7L-P21100002RF08

CH 0 Band Edge



CH 39 Band Edge





Test Report No.: W7L-P21100002RF08

4 PHOTOGRAPHS OF THE TEST CONFIGURATION

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



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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.