

1. Frequency Error

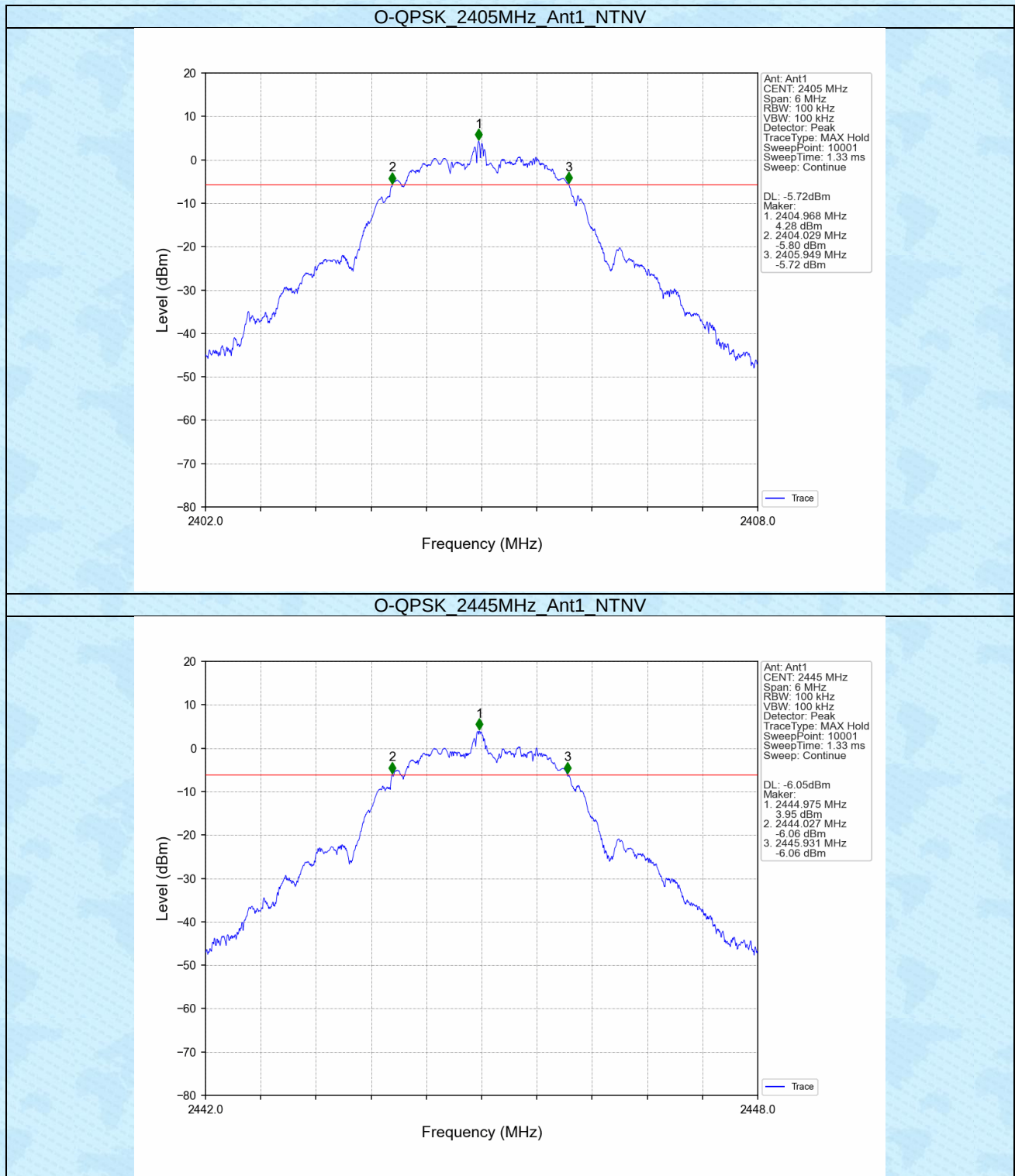
1.1 Test Result

1.1.1 Ant1

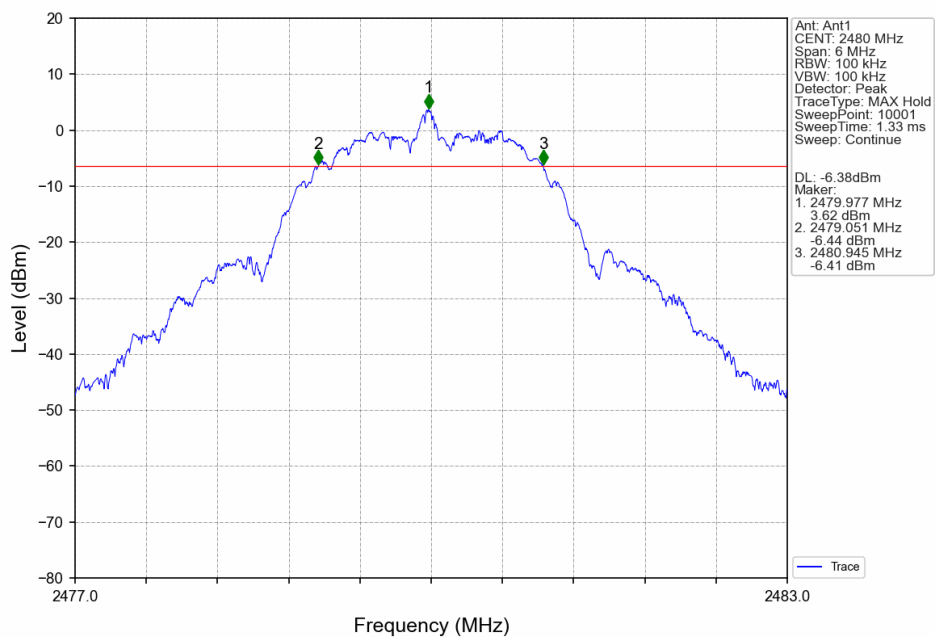
Ant1							
ENV	Mode	TX Type	Frequency (MHz)	Measured Frequency (MHz)	Tolerance (ppm)		Verdict
					Result	Limit	
NTNV	O-QPSK	SISO	2405	2404.989	-4.74	-50 to 50	Pass
			2445	2444.979	-8.71	-50 to 50	Pass
			2480	2479.998	-0.85	-50 to 50	Pass
NTLV	O-QPSK	SISO	2405	2404.984	-6.49	-50 to 50	Pass
			2445	2444.987	-5.40	-50 to 50	Pass
			2480	2479.984	-6.29	-50 to 50	Pass
NTHV	O-QPSK	SISO	2405	2404.979	-8.73	-50 to 50	Pass
			2445	2444.990	-4.29	-50 to 50	Pass
			2480	2479.991	-3.51	-50 to 50	Pass

1.2 Test Graph

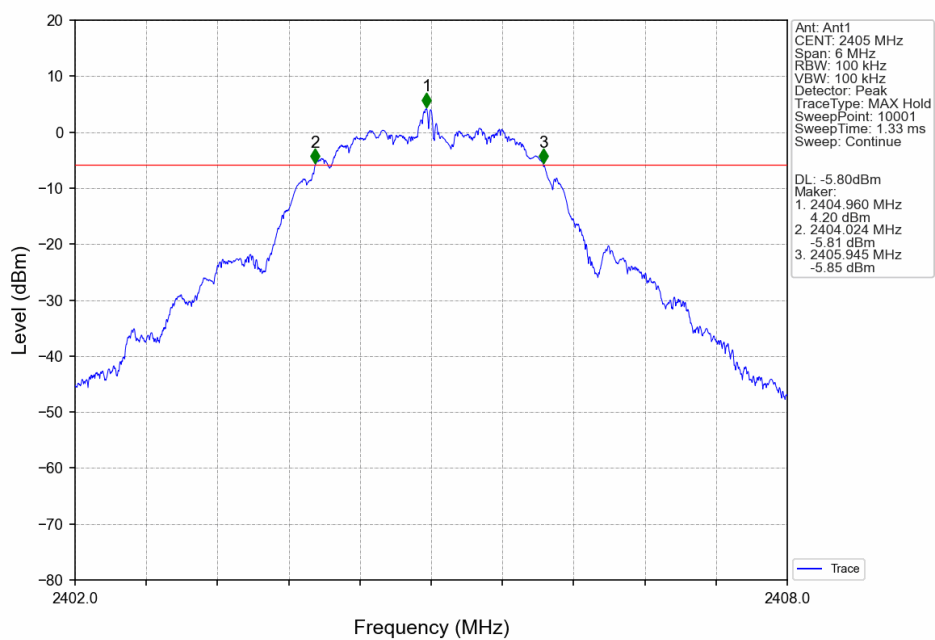
1.2.1 Ant1



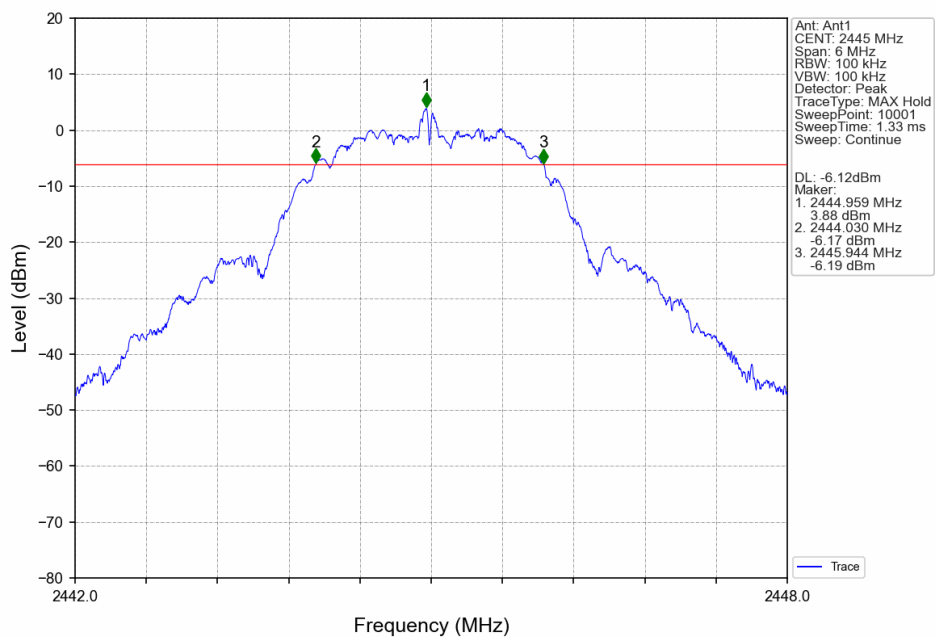
O-QPSK_2480MHz_Ant1_NTNV



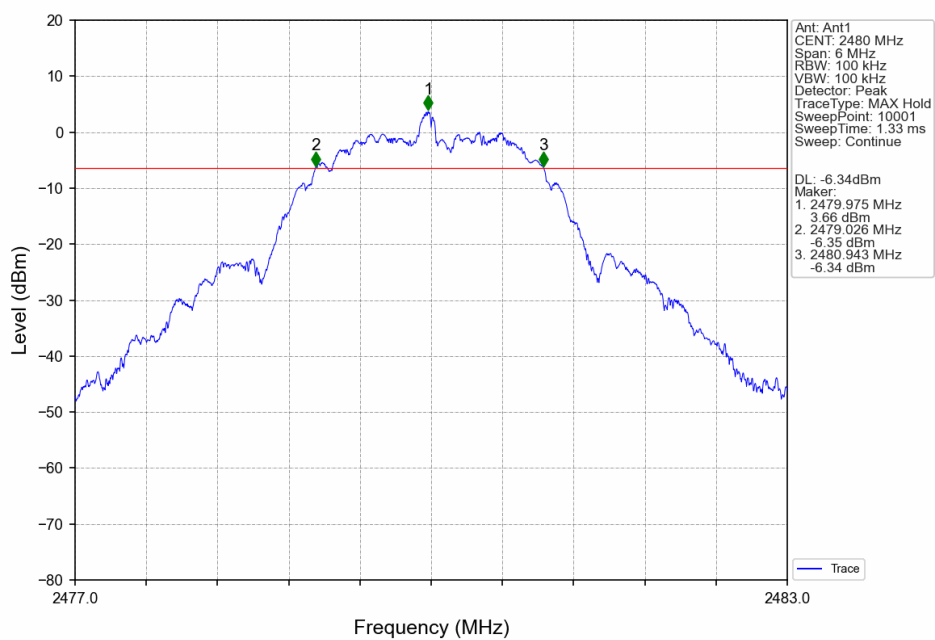
O-QPSK_2405MHz_Ant1_NTLV



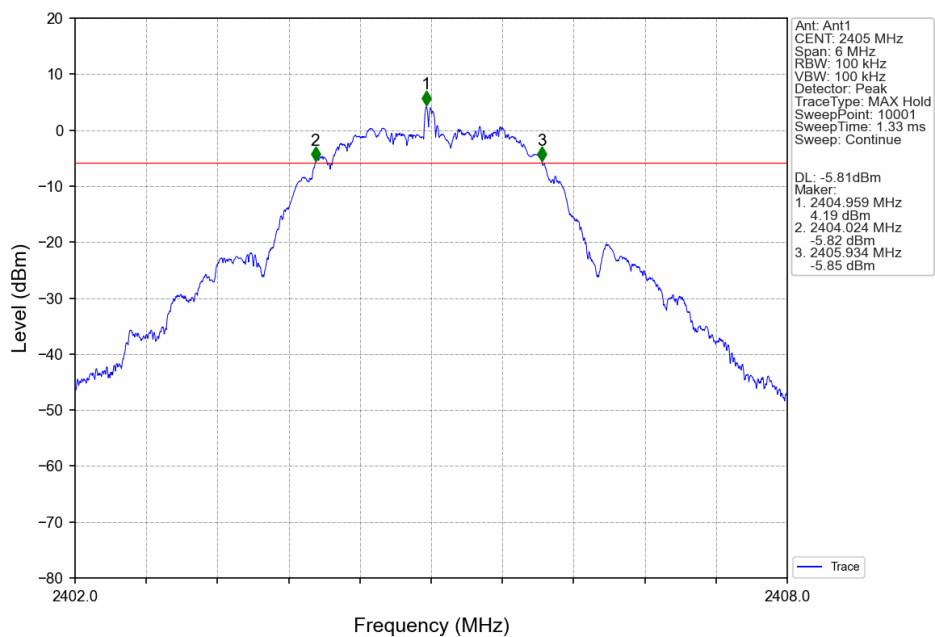
O-QPSK_2445MHz_Ant1_NTLV



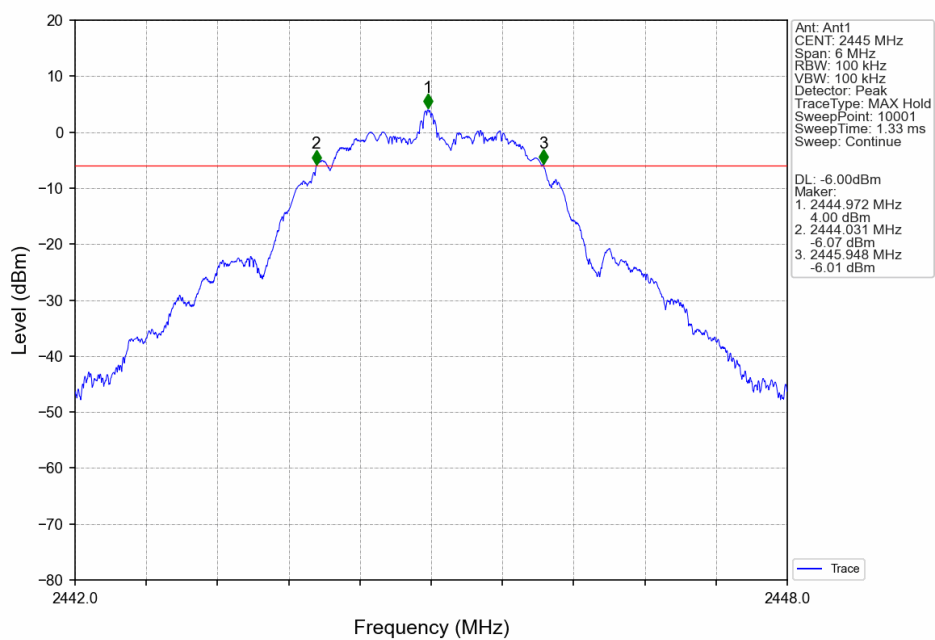
O-QPSK_2480MHz_Ant1_NTLV

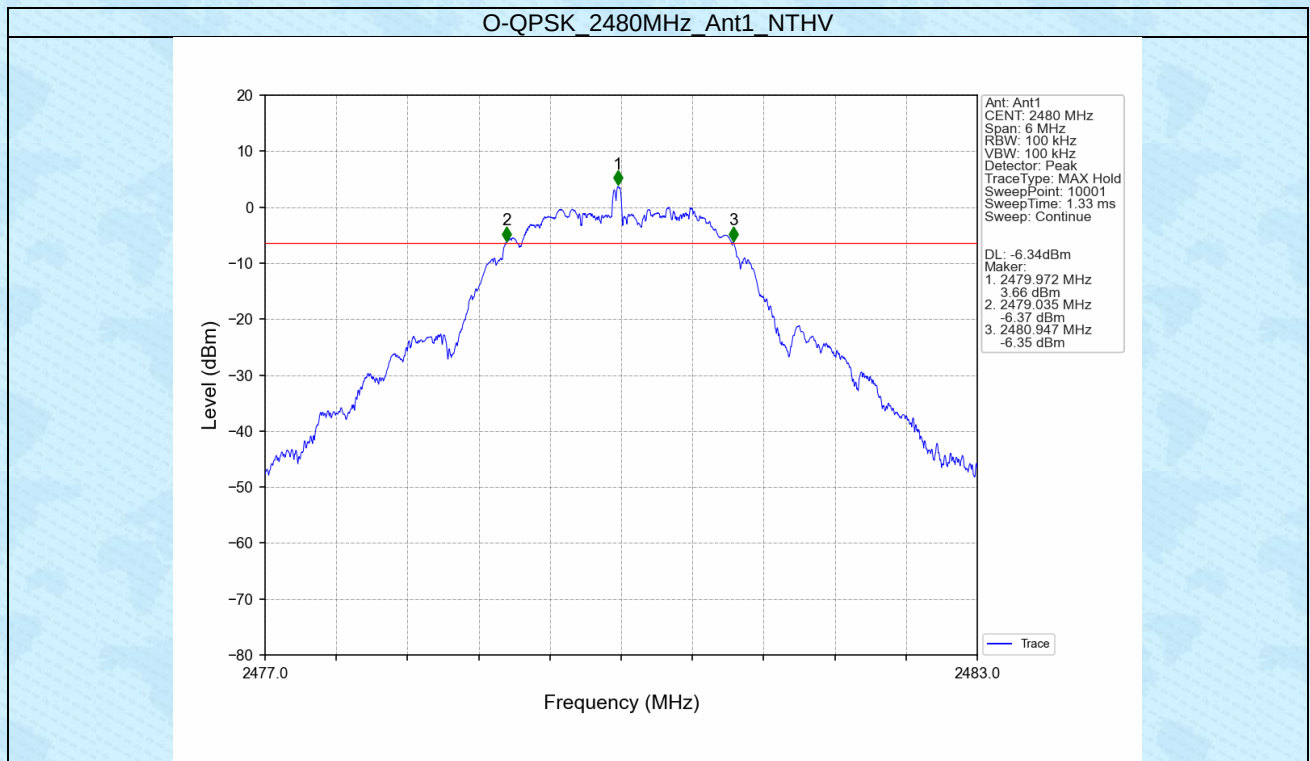


O-QPSK_2405MHz_Ant1_NTHV



O-QPSK_2445MHz_Ant1_NTHV





2. Occupied Bandwidth

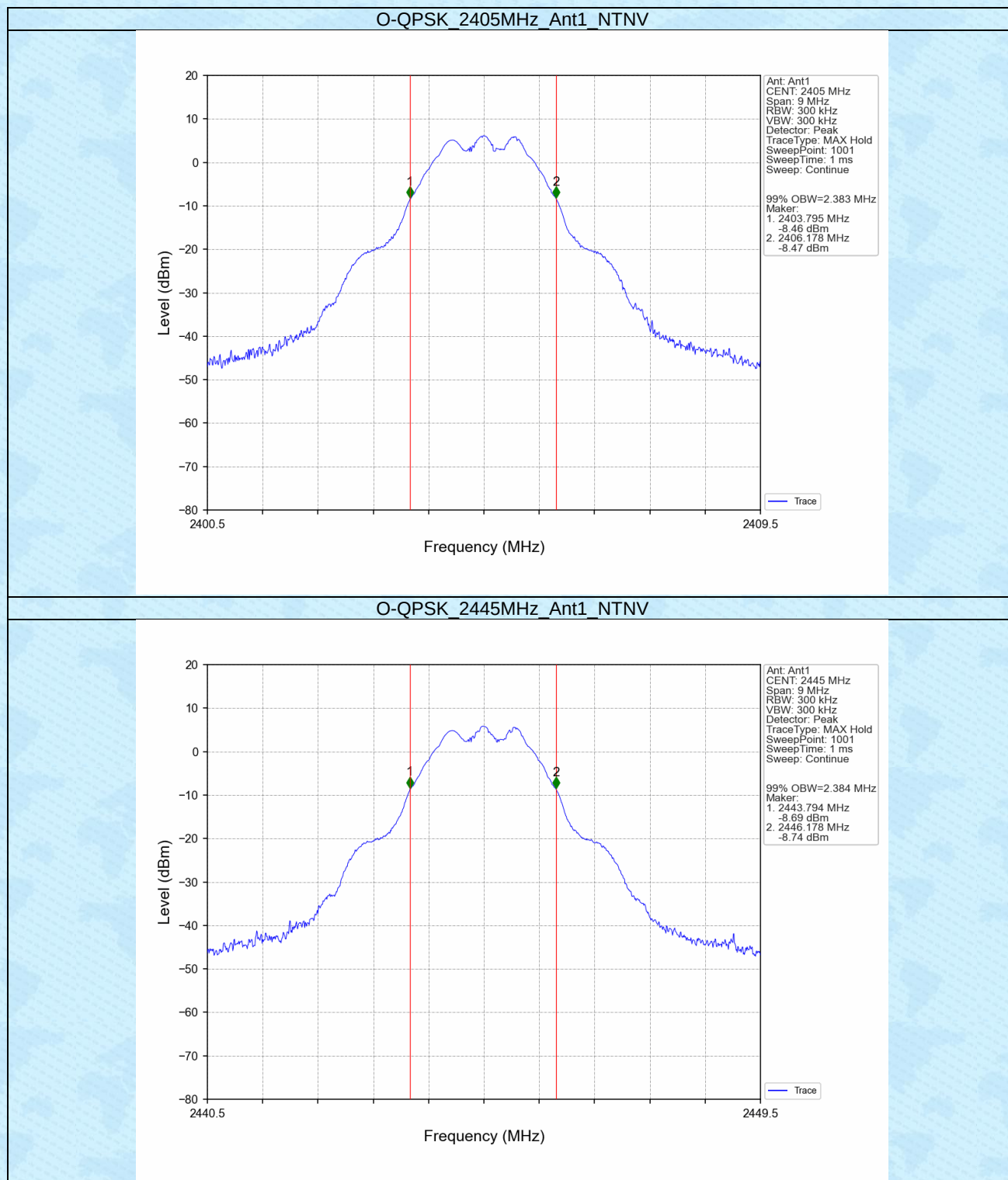
2.1 Test Result

2.1.1 OBW

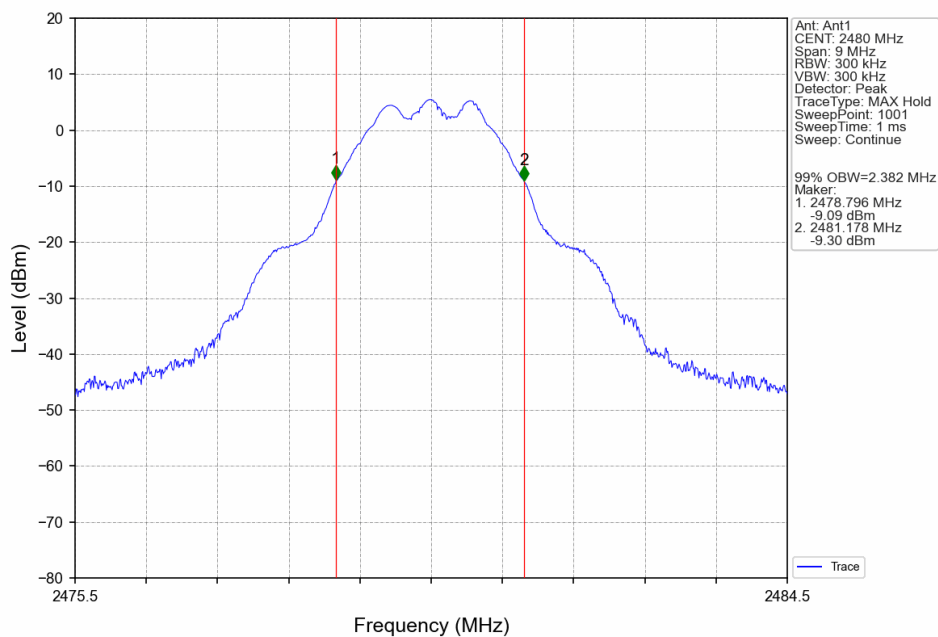
ENV	Mode	TX Type	Frequency (MHz)	99% Occupied Bandwidth (MHz)		Verdict
				ANT1	Limit	
NTNV	O-QPSK	SISO	2405	2.383	<=26	Pass
			2445	2.384	<=26	Pass
			2480	2.382	<=26	Pass
NTLV	O-QPSK	SISO	2405	2.381	<=26	Pass
			2445	2.381	<=26	Pass
			2480	2.385	<=26	Pass
NTHV	O-QPSK	SISO	2405	2.383	<=26	Pass
			2445	2.383	<=26	Pass
			2480	2.384	<=26	Pass

2.2 Test Graph

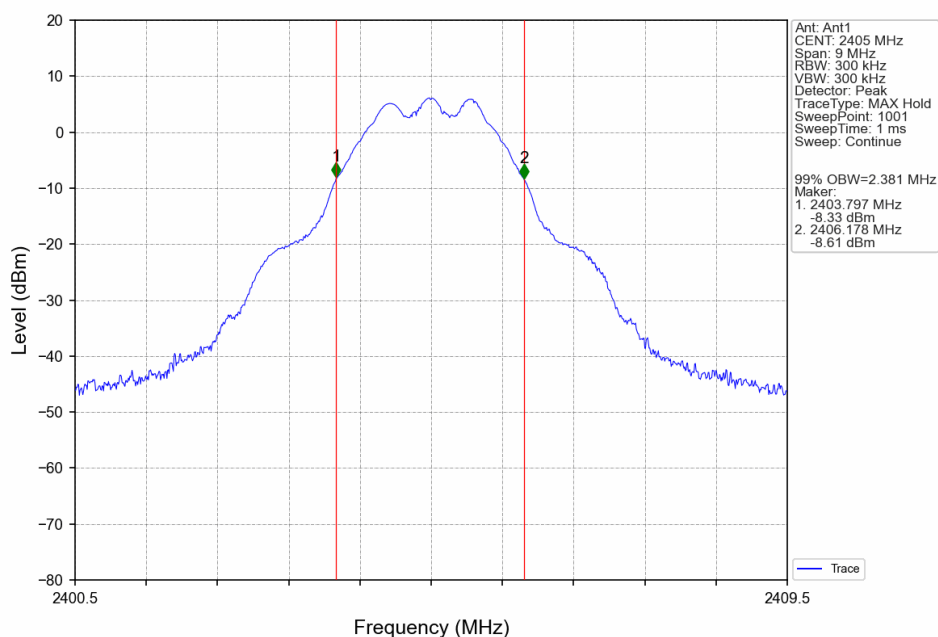
2.2.1 OBW



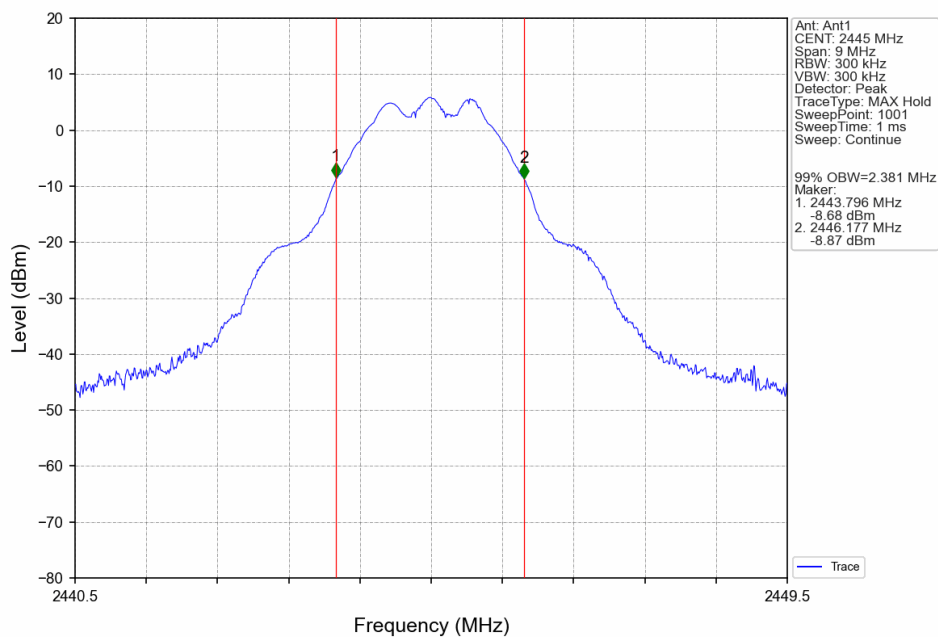
O-QPSK_2480MHz_Ant1_NTNV



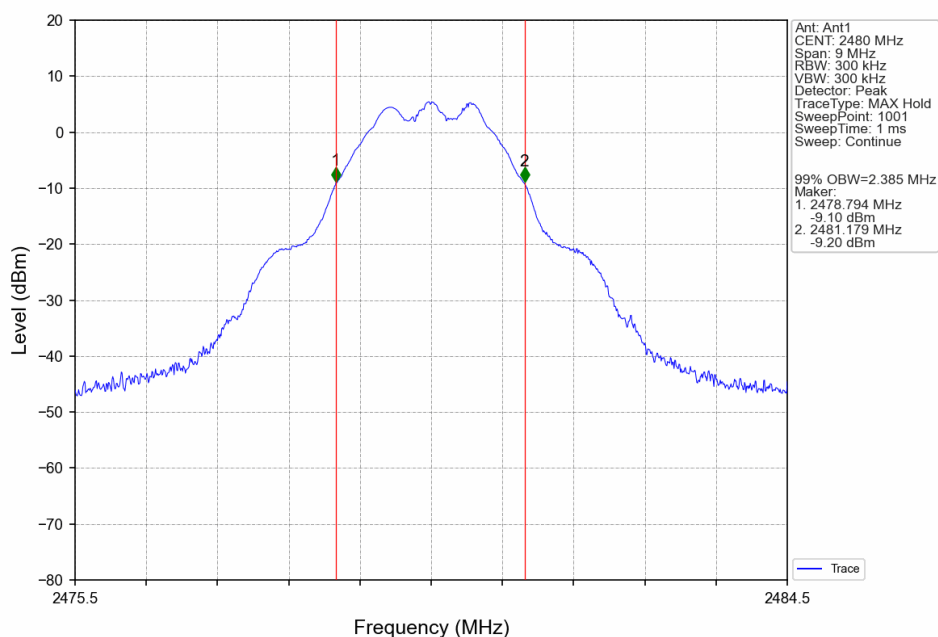
O-QPSK_2405MHz_Ant1_NTLV



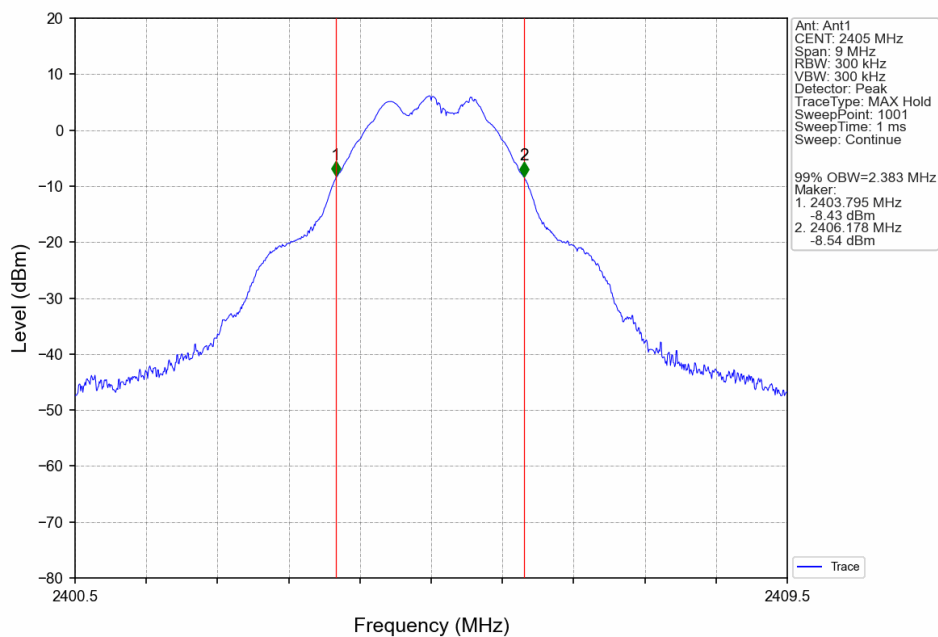
O-QPSK_2445MHz_Ant1_NTLV



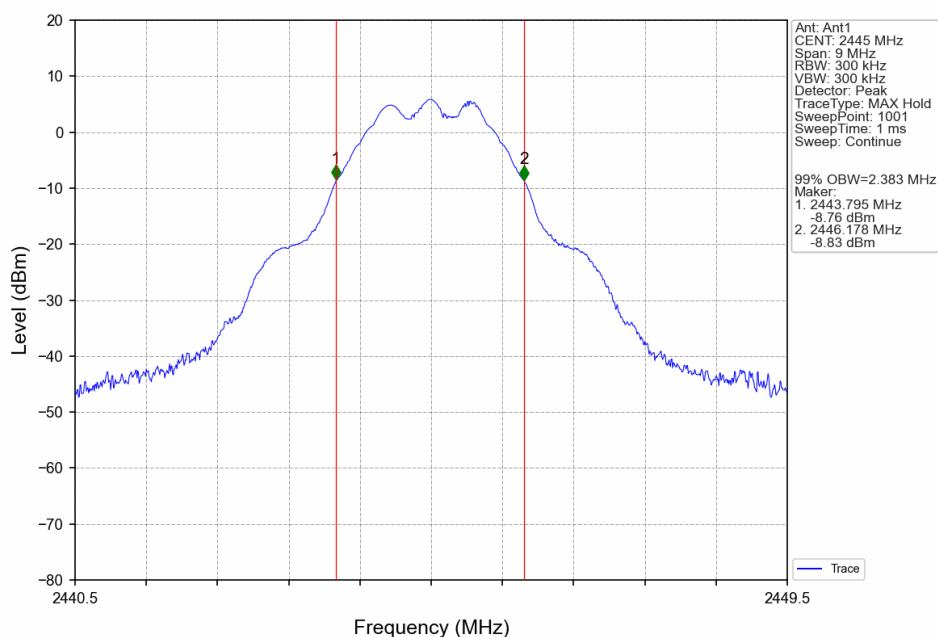
O-QPSK_2480MHz_Ant1_NTLV

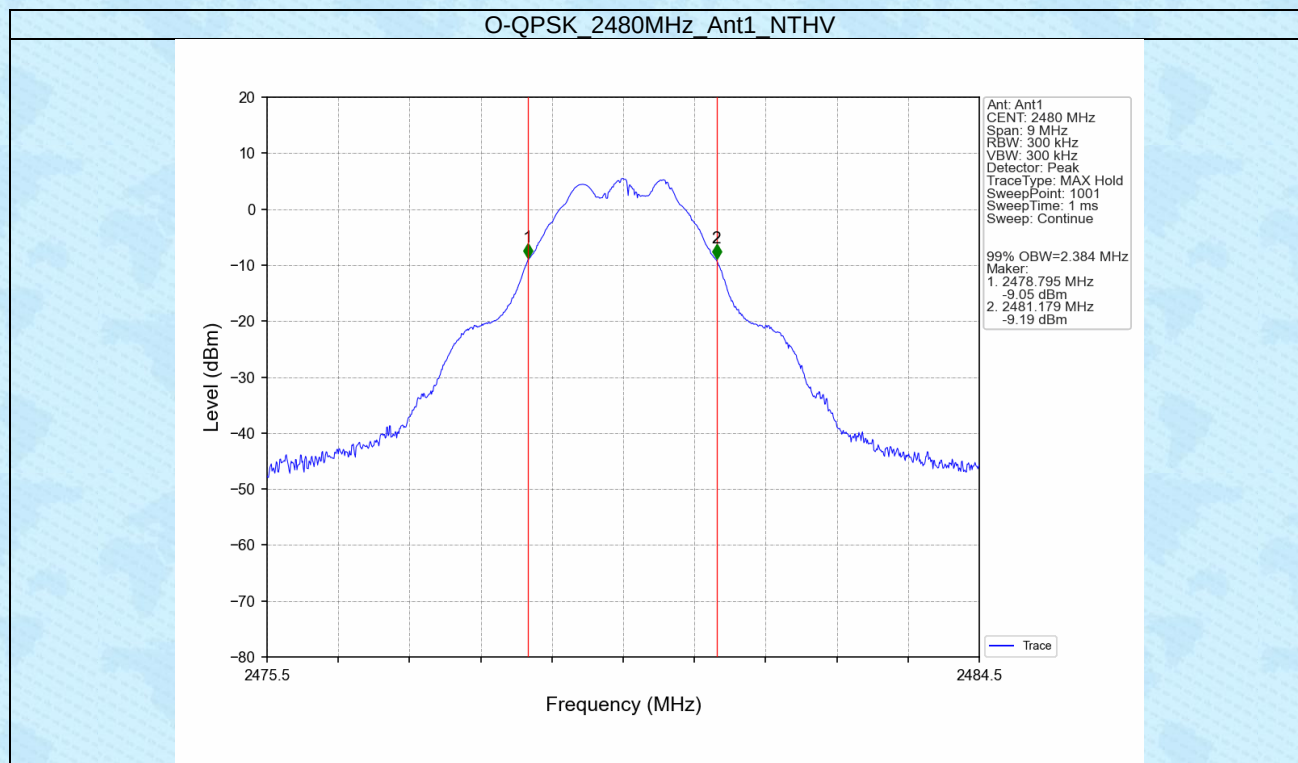


O-QPSK_2405MHz_Ant1_NTHV



O-QPSK_2445MHz_Ant1_NTHV





3. Antenna Power

3.1 Test Result

3.1.1 Power

ENV	Mode	TX Type	Frequency (MHz)	ANT	Antenna Power		Nominal Power (mW)	Verdict
					dbm	mW		
NTNV	O-QPSK	SISO	2405	1	4.800	3.020	<=10.00	Pass
			2445	1	4.530	2.838	<=10.00	Pass
			2480	1	4.223	2.644	<=10.00	Pass
NTNV	O-QPSK	SISO	2405	1	4.796	3.017	<=10.00	Pass
			2445	1	4.624	2.900	<=10.00	Pass
			2480	1	4.183	2.620	<=10.00	Pass
NTNV	O-QPSK	SISO	2405	1	4.781	3.007	<=10.00	Pass
			2445	1	4.493	2.814	<=10.00	Pass
			2480	1	4.250	2.661	<=10.00	Pass

ENV	Mode	Tx Type	Frequency (MHz)	ANT	Antenna Power (mW)	Nominal Power (mW)	Tolerance (%)		Verdict
NTNV	O-QPSK	SISO	2405	1	3.020	3.500	-13.71	20	Pass
			2445	1	2.838	3.500	-18.91	20	Pass
			2480	1	2.644	3.500	-24.46	20	Pass
NTNV	O-QPSK	SISO	2405	1	3.017	3.500	-13.80	20	Pass
			2445	1	2.900	3.500	-17.14	20	Pass
			2480	1	2.620	3.500	-25.14	20	Pass
NTNV	O-QPSK	SISO	2405	1	3.007	3.500	-14.09	20	Pass
			2445	1	2.814	3.500	-19.60	20	Pass
			2480	1	2.661	3.500	-23.97	20	Pass

ENV	Mode	Tx Type	Frequency (MHz)	ANT	Antenna Power (dbm)	EIRP (dbm)	Limit (dbm)	Verdict
NTNV	O-QPSK	SISO	2405	1	4.800	6.030	12.14	Pass
			2445	1	4.530	5.760	12.14	Pass
			2480	1	4.223	5.453	12.14	Pass
NTNV	O-QPSK	SISO	2405	1	4.796	6.026	12.14	Pass
			2445	1	4.624	5.854	12.14	Pass
			2480	1	4.183	5.413	12.14	Pass
NTNV	O-QPSK	SISO	2405	1	4.781	6.011	12.14	Pass
			2445	1	4.493	5.723	12.14	Pass
			2480	1	3.714	4.944	12.14	Pass

4. Spurious Emission Intensity

4.1 Test Result

4.1.1 TxSe_NTNV

NTNV												
Mode	TX Type	Freq. (MHz)	ANT	Freq. Range		Marker					Limit (uW /MHz)	Verdict
				Start (MHz)	Stop (MHz)	Freq. (MHz)	PK Power (dBm /MHz)	PK Power (uW /MHz)	AV Power (dBm /MHz)	AV Power (uW /MHz)		
O-QPSK	SISO	2405	1	30	2387	506	-40.08	0.098	/	/	2.5	Pass
				2387	2400	2399.961	-39.60	0.110	/	/	25	Pass
				2483.5	2496.5	2487.413	-56.32	0.002	/	/	25	Pass
				2496.5	12500	4810.5	-51.06	0.008	/	/	2.5	Pass
		2445	1	30	2387	507.5	-40.43	0.091	/	/	2.5	Pass
				2387	2400	2387.455	-45.90	0.026	/	/	25	Pass
				2483.5	2496.5	2483.526	-44.65	0.034	/	/	25	Pass
				2496.5	12500	4889.5	-53.90	0.004	/	/	2.5	Pass
		2480	1	30	2387	524	-40.37	0.092	/	/	2.5	Pass
				2387	2400	2391.758	-55.74	0.003	/	/	25	Pass
				2483.5	2496.5	2483.513	-35.98	0.252	/	/	25	Pass
				2496.5	12500	2498.5	-44.86	0.033	/	/	2.5	Pass

4.1.2 TxSe_NTLV

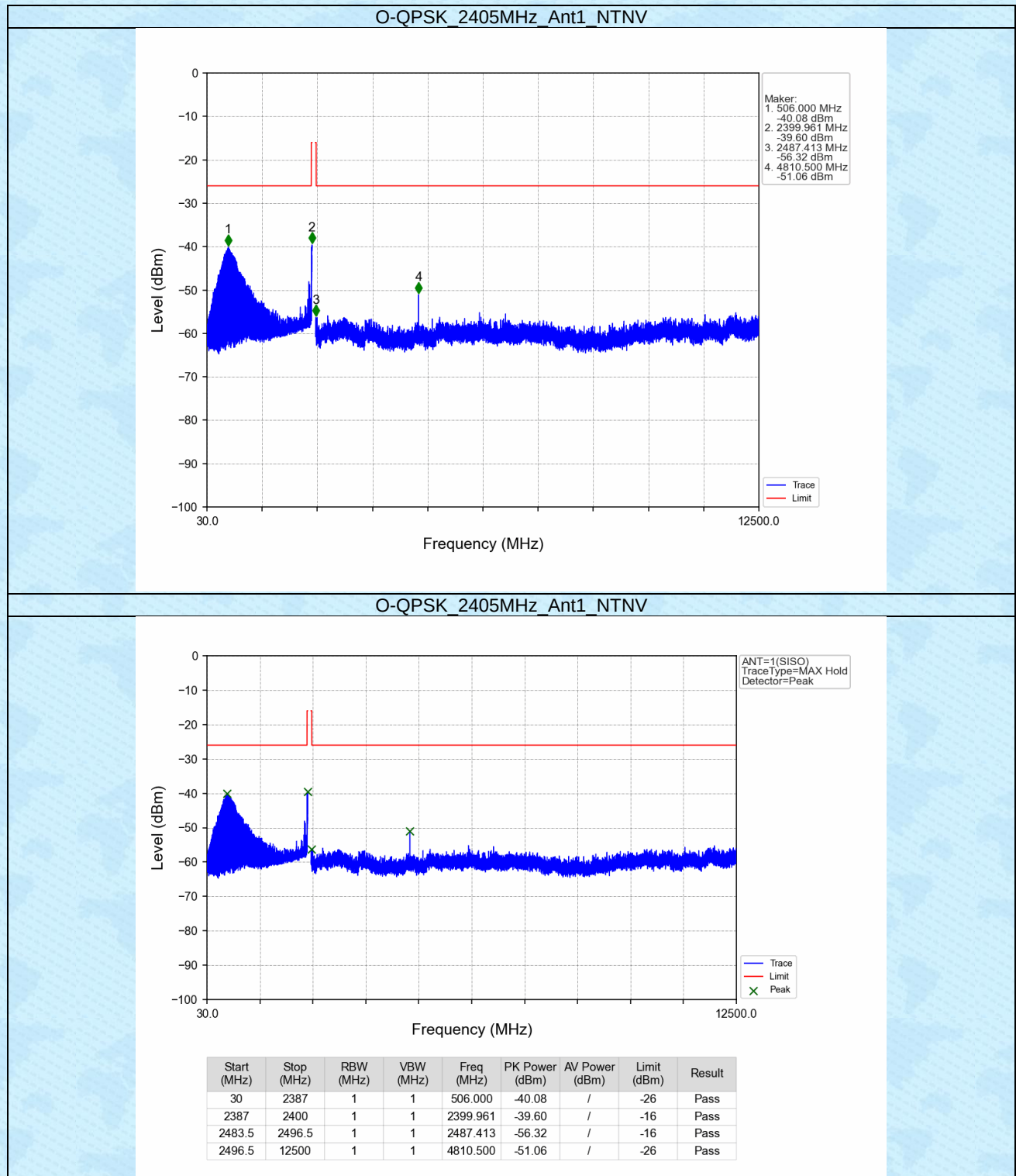
NTLV												
Mode	TX Type	Freq. (MHz)	ANT	Freq. Range		Marker					Limit (uW /MHz)	Verdict
				Start (MHz)	Stop (MHz)	Freq. (MHz)	PK Power (dBm /MHz)	PK Power (uW /MHz)	AV Power (dBm /MHz)	AV Power (uW /MHz)		
O-QPSK	SISO	2405	1	30	2387	510.5	-40.55	0.088	/	/	2.5	Pass
				2387	2400	2399.493	-39.72	0.107	/	/	25	Pass
				2483.5	2496.5	2484.878	-55.92	0.003	/	/	25	Pass
				2496.5	12500	4809.5	-52.43	0.006	/	/	2.5	Pass
		2445	1	30	2387	518.5	-40.51	0.089	/	/	2.5	Pass
				2387	2400	2387.507	-46.30	0.023	/	/	25	Pass
				2483.5	2496.5	2483.695	-45.16	0.030	/	/	25	Pass
				2496.5	12500	2503.5	-50.10	0.010	/	/	2.5	Pass
		2480	1	30	2387	542.5	-40.29	0.094	/	/	2.5	Pass
				2387	2400	2395.333	-56.37	0.002	/	/	25	Pass
				2483.5	2496.5	2483.513	-34.99	0.317	/	/	25	Pass
				2496.5	12500	2524.5	-53.66	0.004	/	/	2.5	Pass

4.1.3 TxSe_NTHV

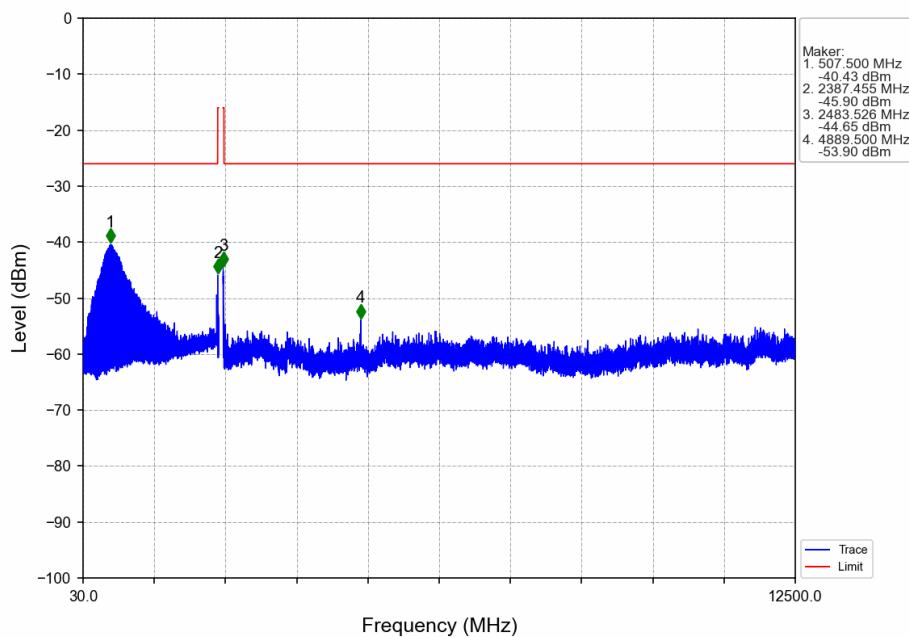
NTHV												
Mode	TX Type	Freq. (MHz)	ANT	Freq. Range		Marker					Limit (uW /MHz)	Verdict
				Start (MHz)	Stop (MHz)	Freq. (MHz)	PK Power (dBm /MHz)	PK Power (uW /MHz)	AV Power (dBm /MHz)	AV Power (uW /MHz)		
O-QPSK	SISO	2405	1	30	2387	2386.5	-40.42	0.091	/	/	2.5	Pass
				2387	2400	2399.701	-39.49	0.112	/	/	25	Pass
				2483.5	2496.5	2488.518	-55.54	0.003	/	/	25	Pass
				2496.5	12500	4809.5	-51.43	0.007	/	/	2.5	Pass
		2445	1	30	2387	506	-40.45	0.090	/	/	2.5	Pass
				2387	2400	2387.494	-46.18	0.024	/	/	25	Pass
				2483.5	2496.5	2483.578	-44.15	0.038	/	/	25	Pass
				2496.5	12500	4889.5	-53.60	0.004	/	/	2.5	Pass
		2480	1	30	2387	507	-40.17	0.096	/	/	2.5	Pass
				2387	2400	2393.552	-56.73	0.002	/	/	25	Pass
				2483.5	2496.5	2483.513	-35.77	0.265	/	/	25	Pass
				2496.5	12500	2519.5	-47.73	0.017	/	/	2.5	Pass

4.2 Test Graph

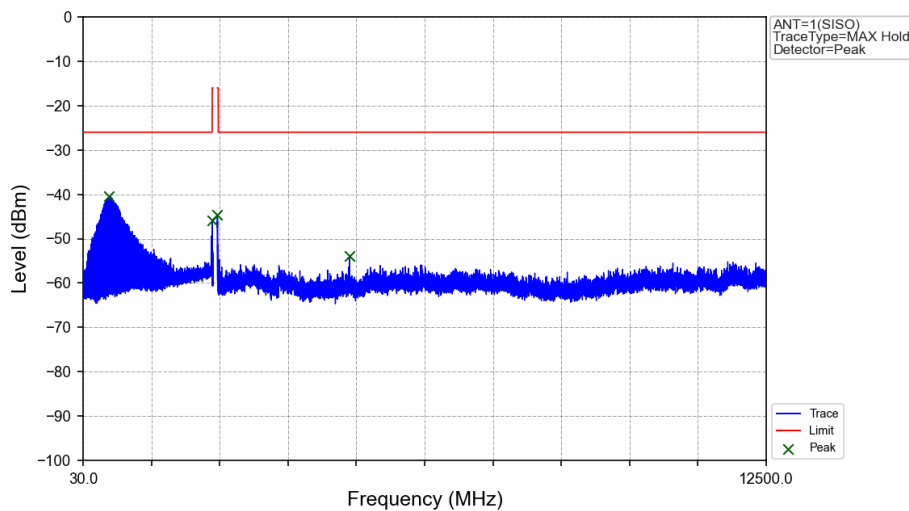
4.2.1 TxSe_NTNV



O-QPSK_2445MHz_Ant1_NTNV

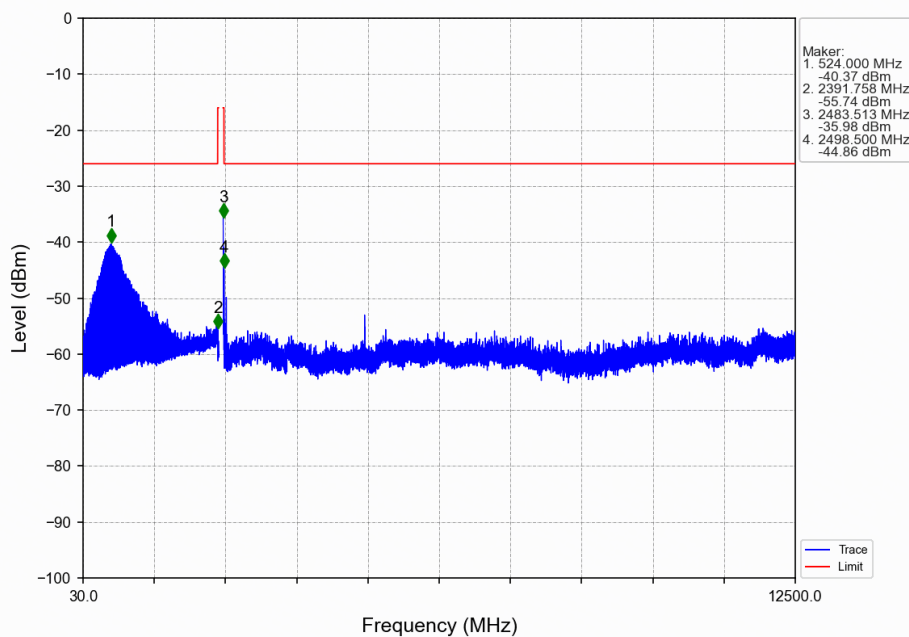


O-QPSK_2445MHz_Ant1_NTNV

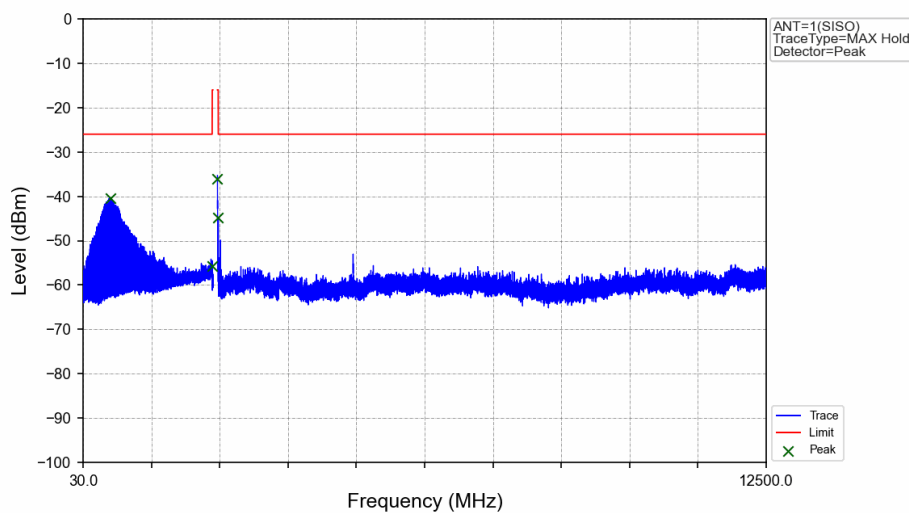


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	2387	1	1	507.500	-40.43	/	-26	Pass
2387	2400	1	1	2387.455	-45.90	/	-16	Pass
2483.5	2496.5	1	1	2483.526	-44.65	/	-16	Pass
2496.5	12500	1	1	4889.500	-53.90	/	-26	Pass

O-QPSK_2480MHz_Ant1_NTNV

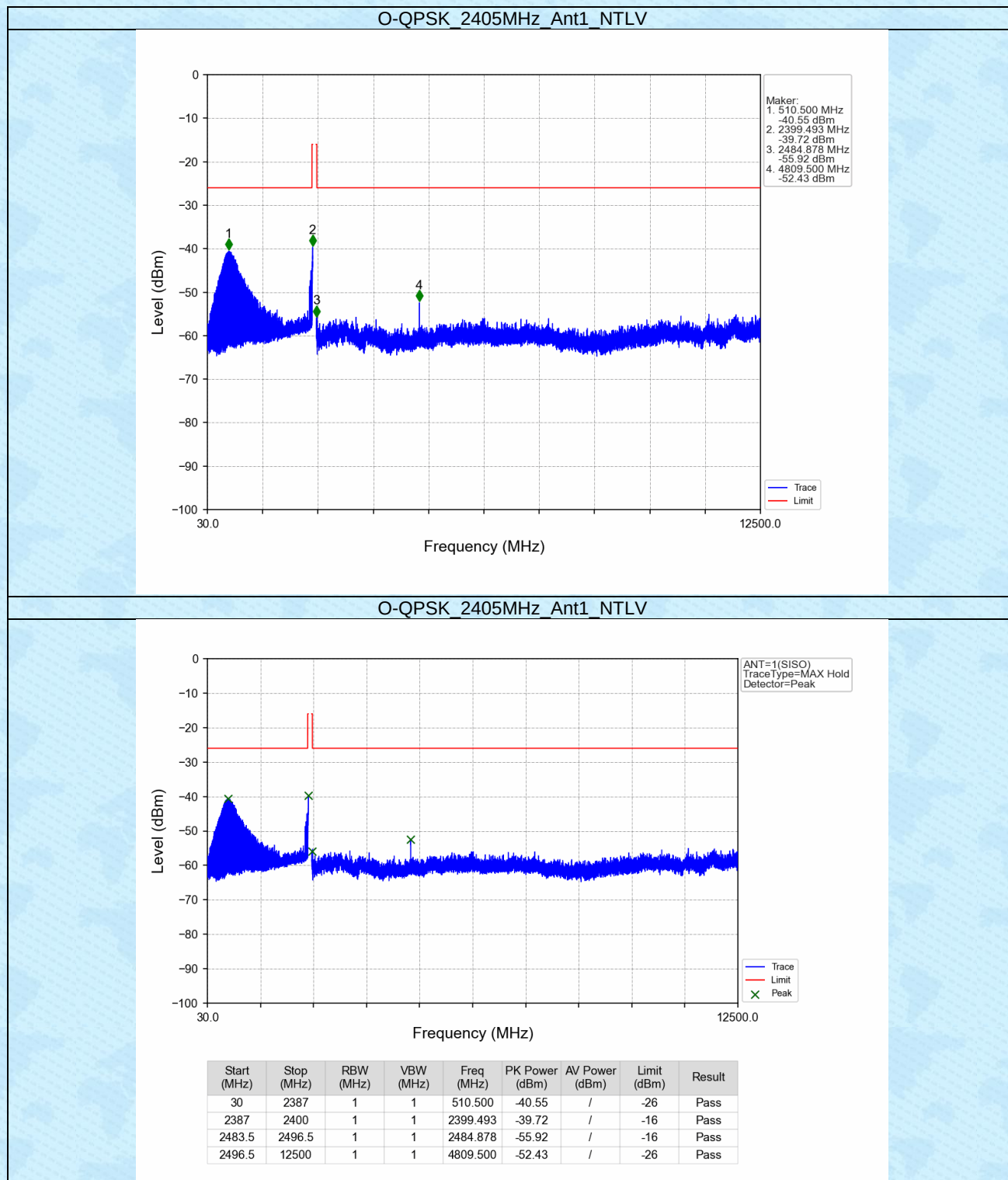


O-QPSK_2480MHz_Ant1_NTNV

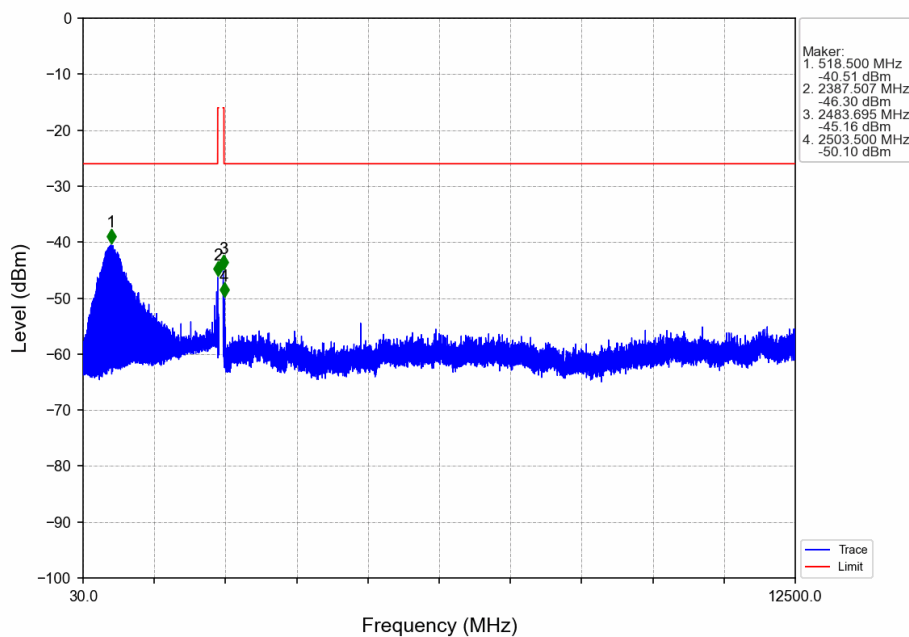


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	2387	1	1	524.000	-40.37	/	-26	Pass
2387	2400	1	1	2391.758	-55.74	/	-16	Pass
2483.5	2496.5	1	1	2483.513	-35.98	/	-16	Pass
2496.5	12500	1	1	2498.500	-44.86	/	-26	Pass

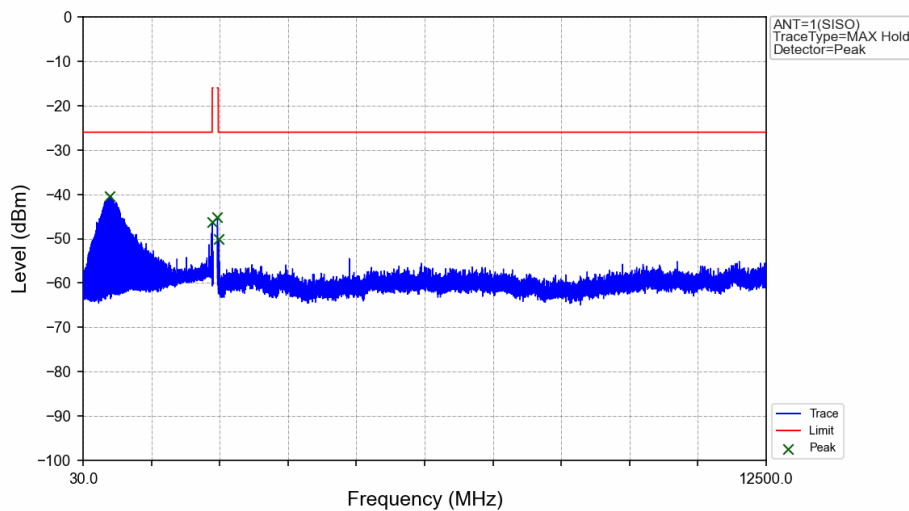
4.2.2 TxSe_NTLV



O-QPSK_2445MHz_Ant1_NTLV

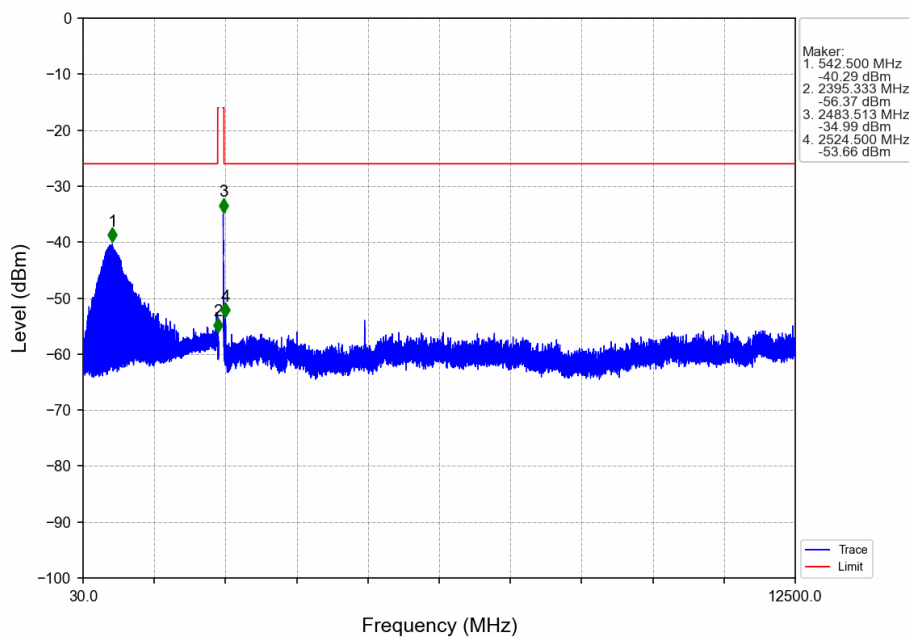


O-QPSK_2445MHz_Ant1_NTLV

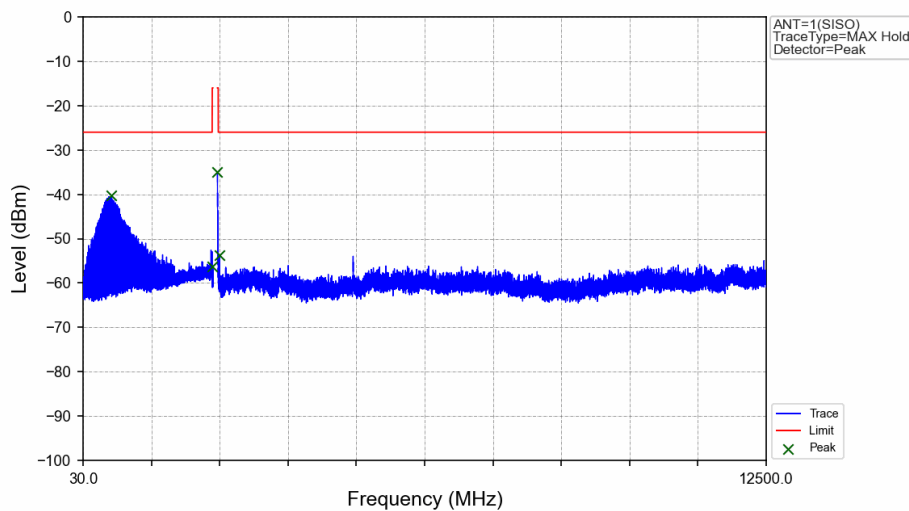


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	2387	1	1	518.500	-40.51	/	-26	Pass
2387	2400	1	1	2387.507	-46.30	/	-16	Pass
2483.5	2496.5	1	1	2483.695	-45.16	/	-16	Pass
2496.5	12500	1	1	2503.500	-50.10	/	-26	Pass

O-QPSK_2480MHz_Ant1_NTLV

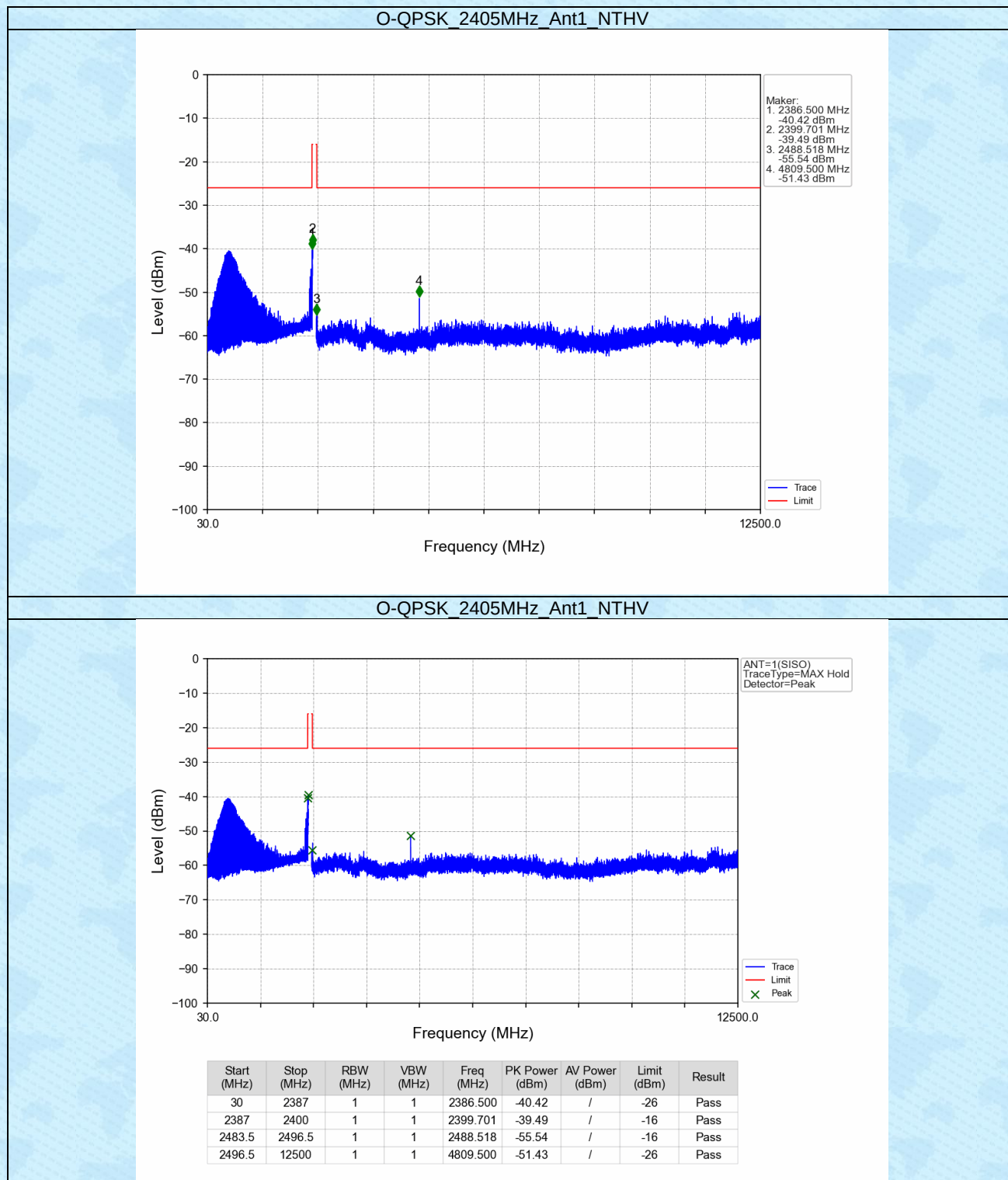


O-QPSK_2480MHz_Ant1_NTLV

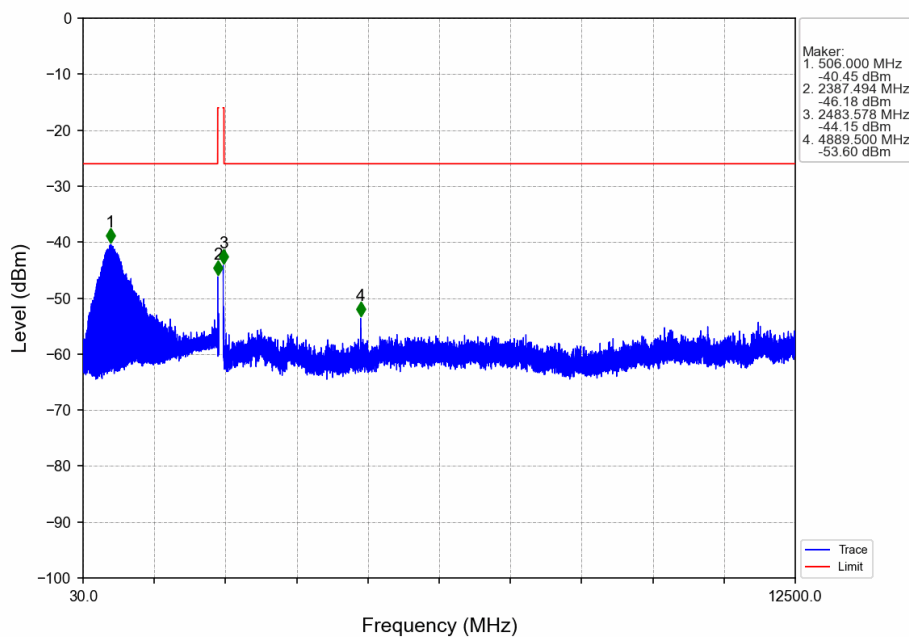


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	2387	1	1	542.500	-40.29	/	-26	Pass
2387	2400	1	1	2395.333	-56.37	/	-16	Pass
2483.5	2496.5	1	1	2483.513	-34.99	/	-16	Pass
2496.5	12500	1	1	2524.500	-53.66	/	-26	Pass

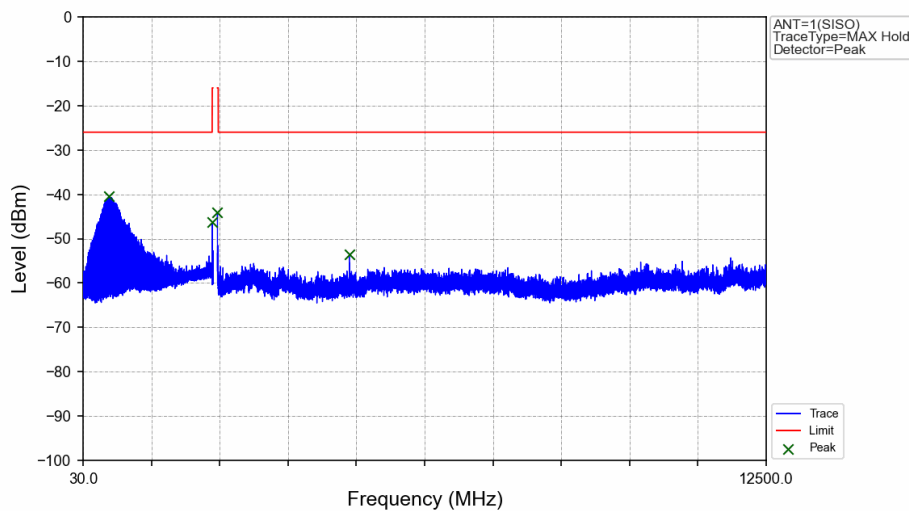
4.2.3 TxSe_NTHV



O-QPSK_2445MHz_Ant1_NTHV

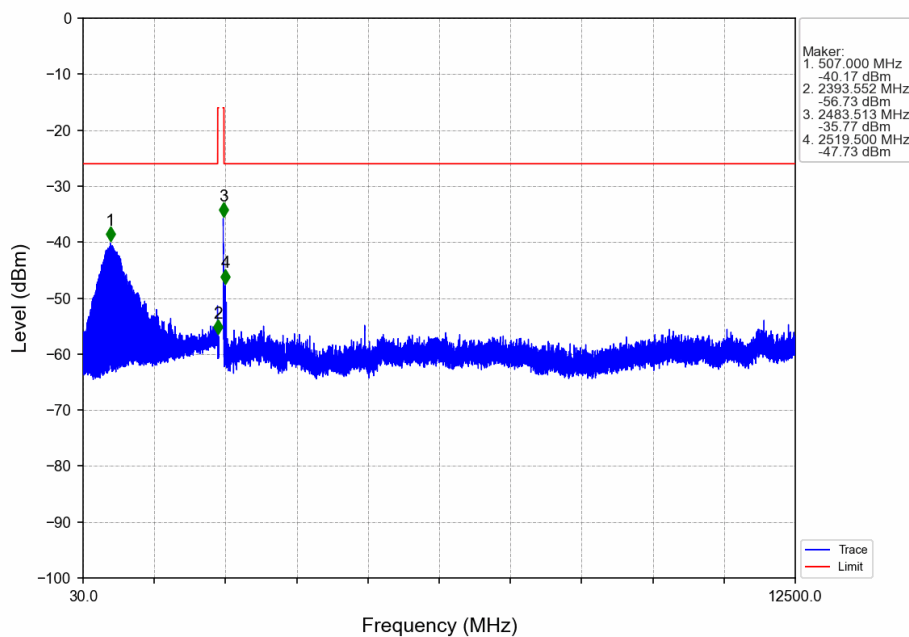


O-QPSK_2445MHz_Ant1_NTHV

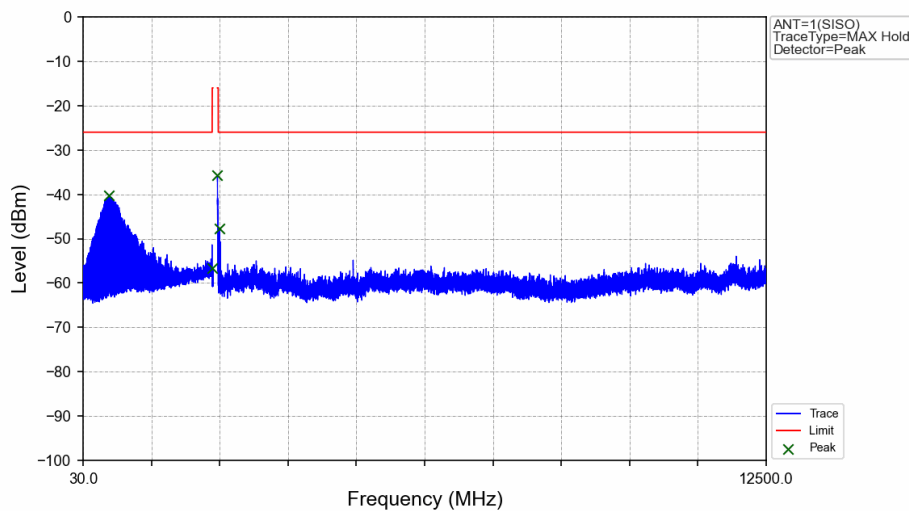


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	2387	1	1	506.000	-40.45	/	-26	Pass
2387	2400	1	1	2387.494	-46.18	/	-16	Pass
2483.5	2496.5	1	1	2483.578	-44.15	/	-16	Pass
2496.5	12500	1	1	4889.500	-53.60	/	-26	Pass

O-QPSK_2480MHz_Ant1_NTHV



O-QPSK_2480MHz_Ant1_NTHV



Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	2387	1	1	507.000	-40.17	/	-26	Pass
2387	2400	1	1	2393.552	-56.73	/	-16	Pass
2483.5	2496.5	1	1	2483.513	-35.77	/	-16	Pass
2496.5	12500	1	1	2519.500	-47.73	/	-26	Pass

5. Secondary Radiated Emission

5.1 Test Result

5.1.1 RxSe_NTNV

NTNV												
Mode	TX Type	Freq. (MHz)	ANT	Freq. Range		Marker					Limit (nW)	Verdict
				Start (MHz)	Stop (MHz)	Freq. (MHz)	PK Power (dBm)	PK Power (nW)	AV Power (dBm)	AV Power (nW)		
O-QPSK	SISO	2405	1	30	1000	954.7	-77.33	0.018	/	/	4	Pass
				1000	12500	11843.5	-64.42	0.361	/	/	20	Pass
		2445	1	30	1000	988.45	-77.35	0.018	/	/	4	Pass
				1000	12500	3294	-64.17	0.383	/	/	20	Pass
		2480	1	30	1000	982.05	-78.08	0.016	/	/	4	Pass
				1000	12500	11399	-64.42	0.361	/	/	20	Pass

5.1.2 RxSe_NTLV

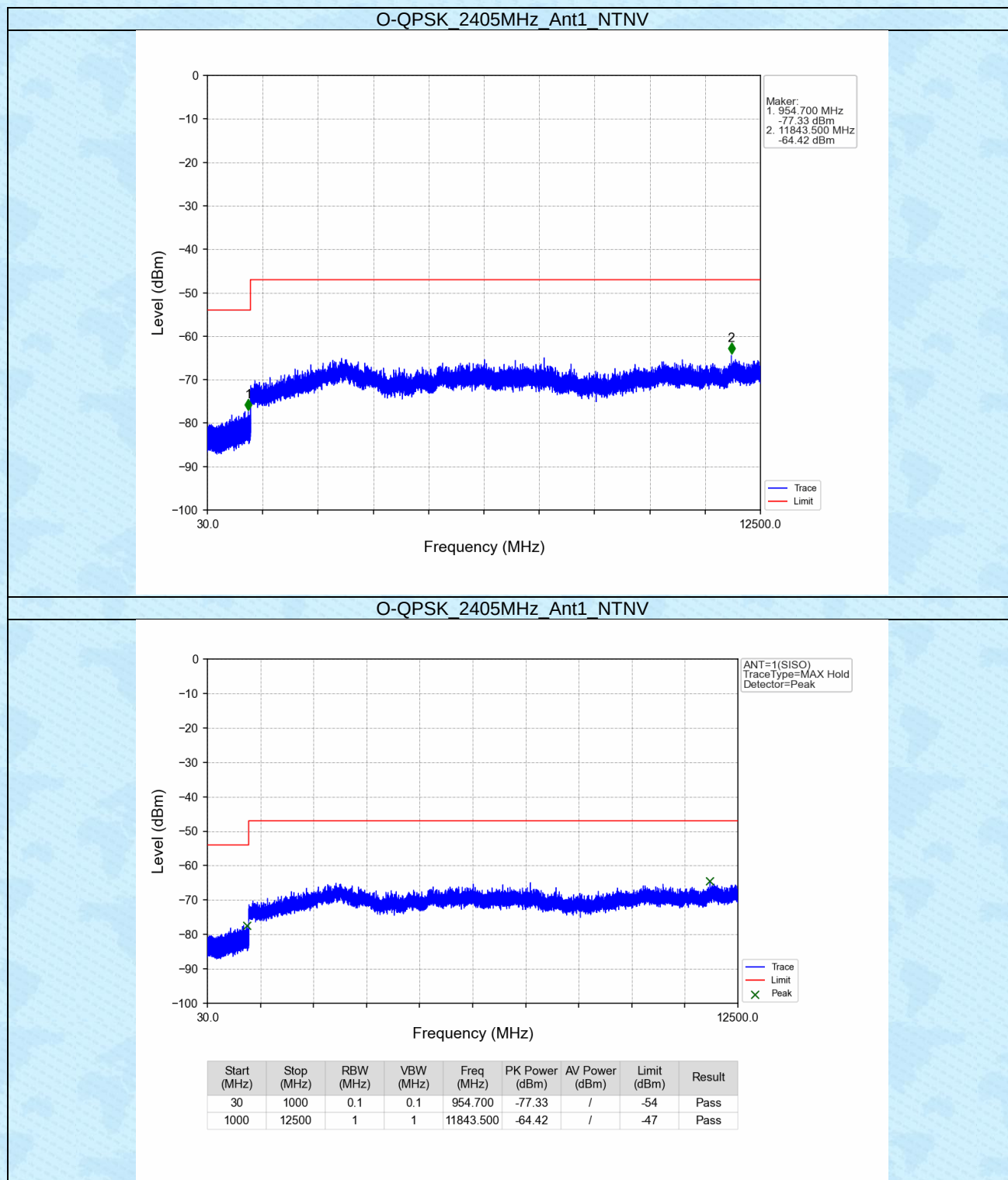
NTLV												
Mode	TX Type	Freq. (MHz)	ANT	Freq. Range		Marker					Limit (nW)	Verdict
				Start (MHz)	Stop (MHz)	Freq. (MHz)	PK Power (dBm)	PK Power (nW)	AV Power (dBm)	AV Power (nW)		
O-QPSK	SISO	2405	1	30	1000	898.45	-77.36	0.018	/	/	4	Pass
				1000	12500	2996.5	-65.09	0.310	/	/	20	Pass
		2445	1	30	1000	925.05	-77.02	0.020	/	/	4	Pass
				1000	12500	3153	-63.79	0.418	/	/	20	Pass
		2480	1	30	1000	716.65	-77.57	0.017	/	/	4	Pass
				1000	12500	3212.5	-63.89	0.408	/	/	20	Pass

5.1.3 RxSe_NTHV

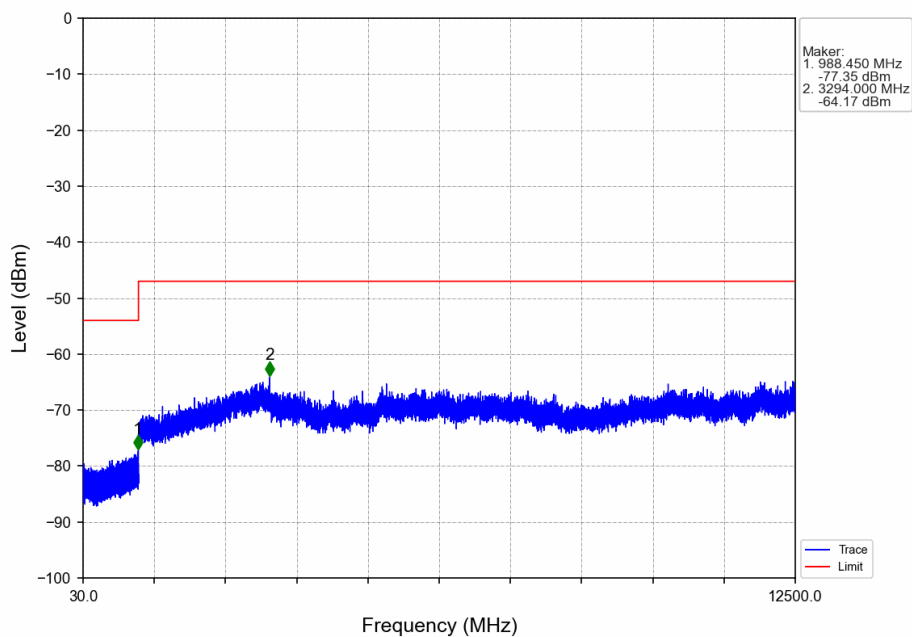
NTHV												
Mode	TX Type	Freq. (MHz)	ANT	Freq. Range		Marker					Limit (nW)	Verdict
				Start (MHz)	Stop (MHz)	Freq. (MHz)	PK Power (dBm)	PK Power (nW)	AV Power (dBm)	AV Power (nW)		
O-QPSK	SISO	2405	1	30	1000	949.6	-78.16	0.015	/	/	4	Pass
				1000	12500	3152	-63.66	0.431	/	/	20	Pass
		2445	1	30	1000	919.1	-77.41	0.018	/	/	4	Pass
				1000	12500	3006.5	-64.17	0.383	/	/	20	Pass
		2480	1	30	1000	865.7	-77.41	0.018	/	/	4	Pass
				1000	12500	3180	-64.83	0.329	/	/	20	Pass

5.2 Test Graph

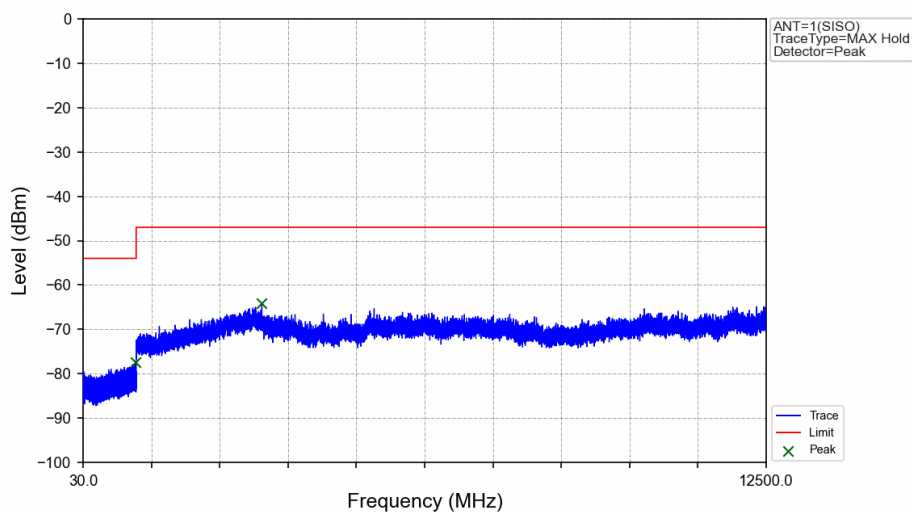
5.2.1 RxSe_NTNV



O-QPSK_2445MHz_Ant1_NTNV

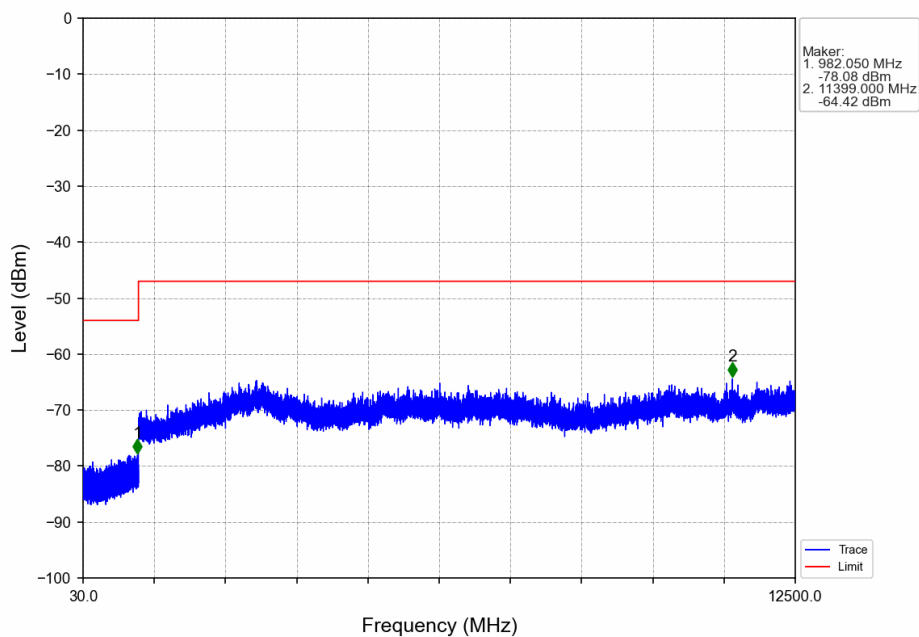


O-QPSK_2445MHz_Ant1_NTNV

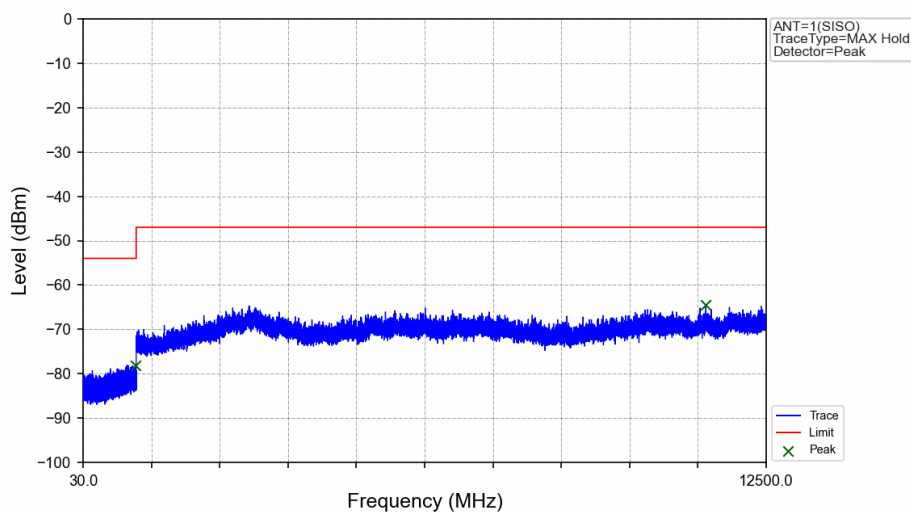


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	1000	0.1	0.1	988.450	-77.35	/	-54	Pass
1000	12500	1	1	3294.000	-64.17	/	-47	Pass

O-QPSK_2480MHz_Ant1_NTNV

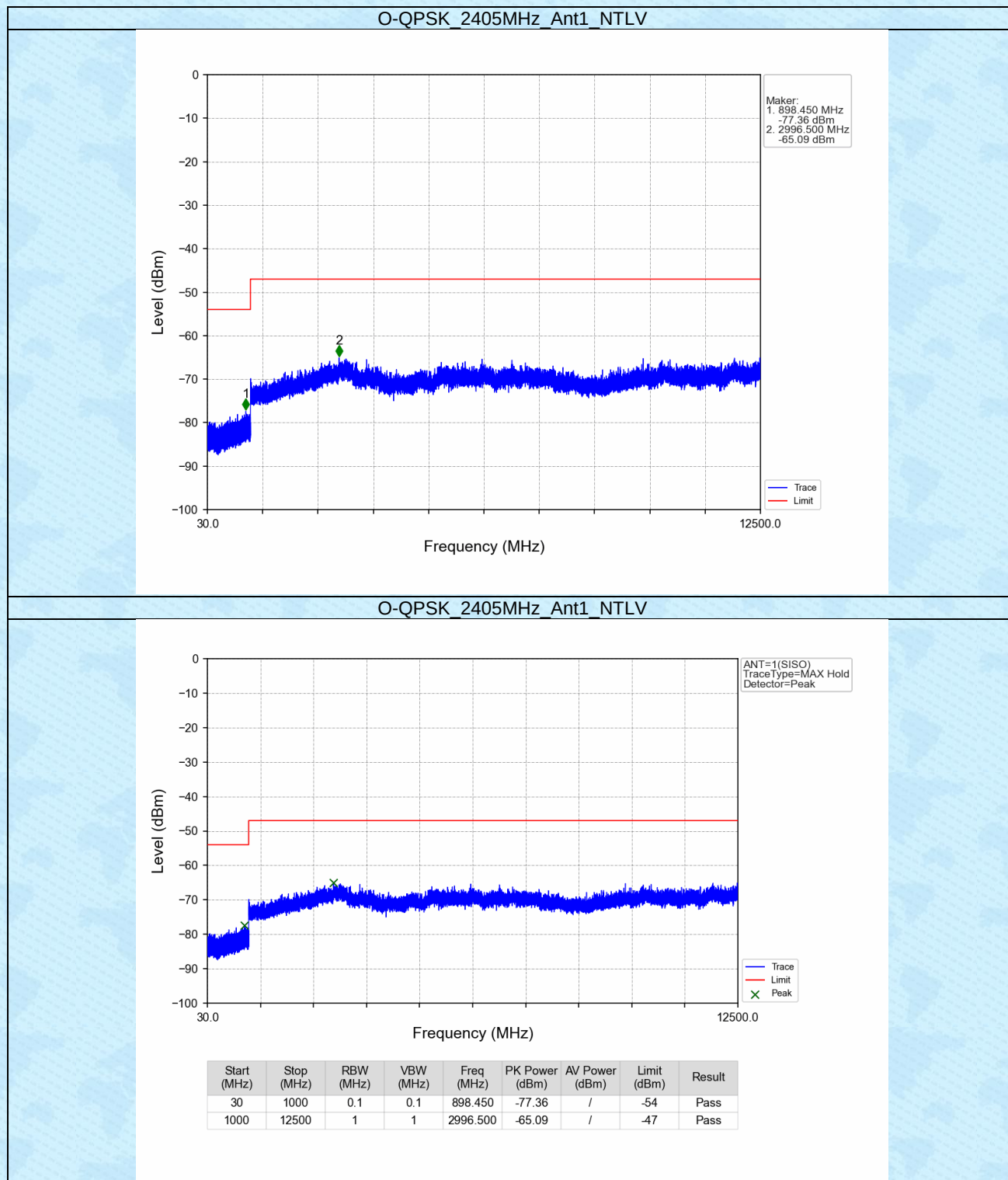


O-QPSK_2480MHz_Ant1_NTNV

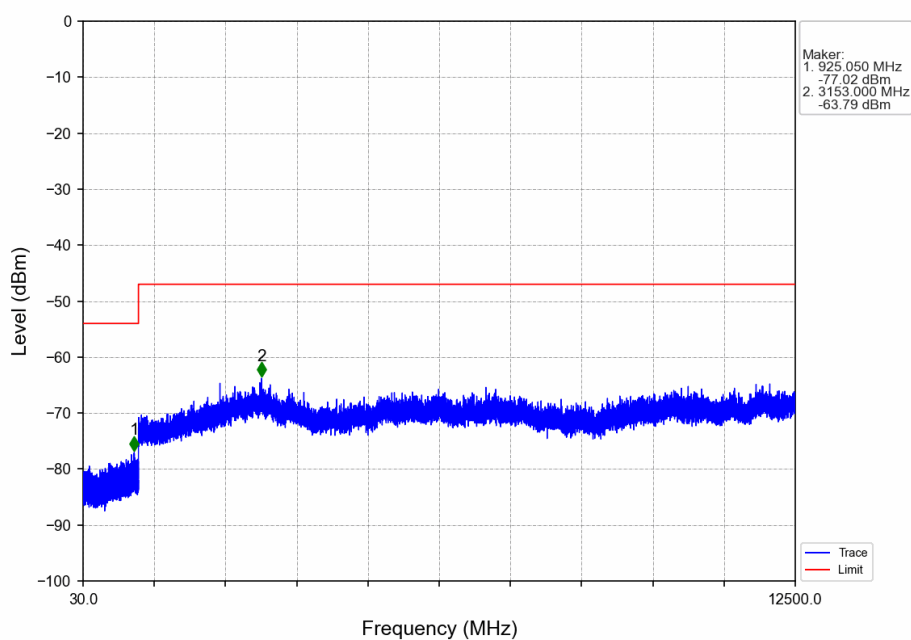


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	1000	0.1	0.1	982.050	-78.08	/	-54	Pass
1000	12500	1	1	11399.000	-64.42	/	-47	Pass

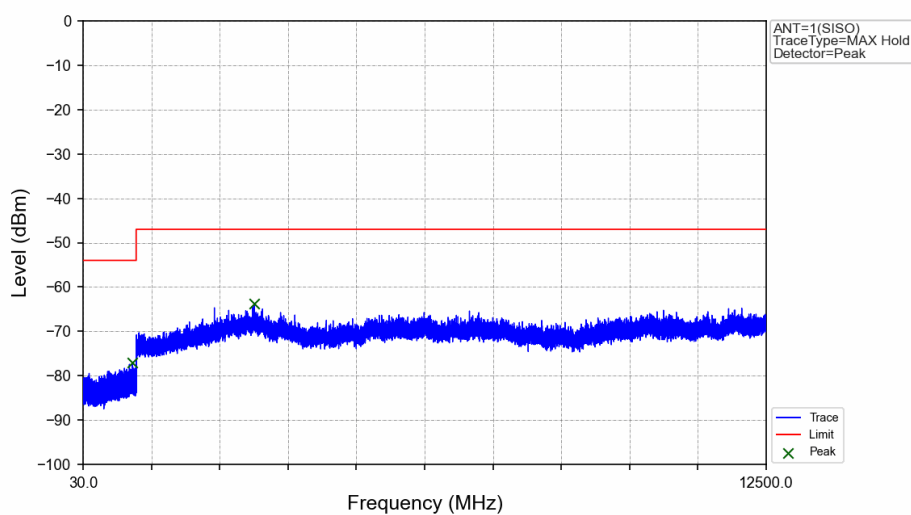
5.2.2 RxSe_NTLV



O-QPSK_2445MHz_Ant1_NTLV

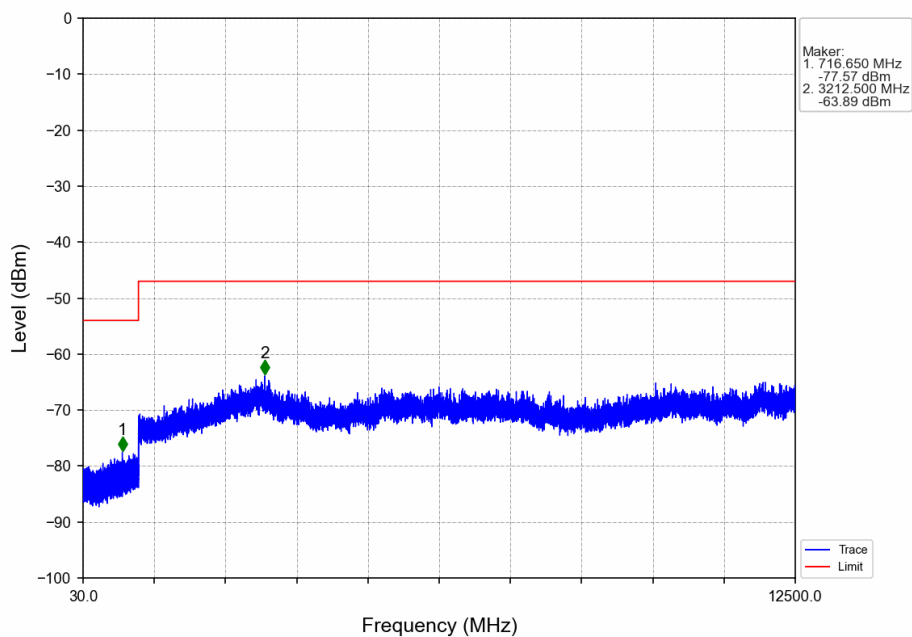


O-QPSK_2445MHz_Ant1_NTLV

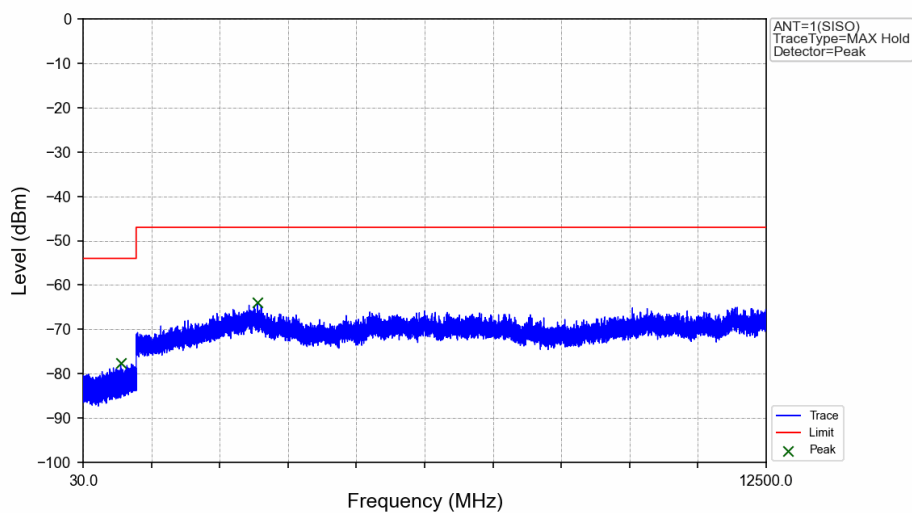


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	1000	0.1	0.1	925.050	-77.02	/	-54	Pass
1000	12500	1	1	3153.000	-63.79	/	-47	Pass

O-QPSK_2480MHz_Ant1_NTLV

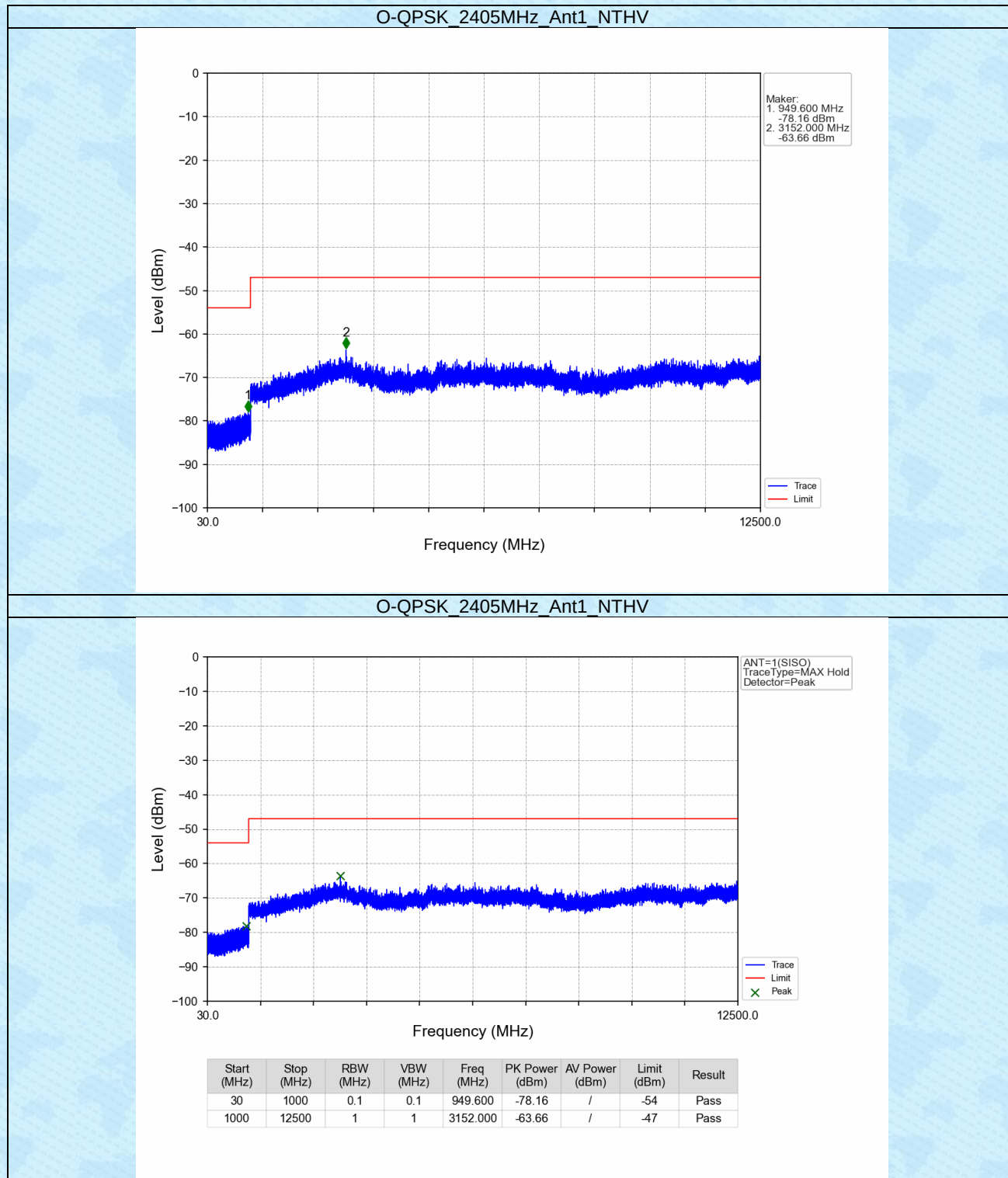


O-QPSK_2480MHz_Ant1_NTLV

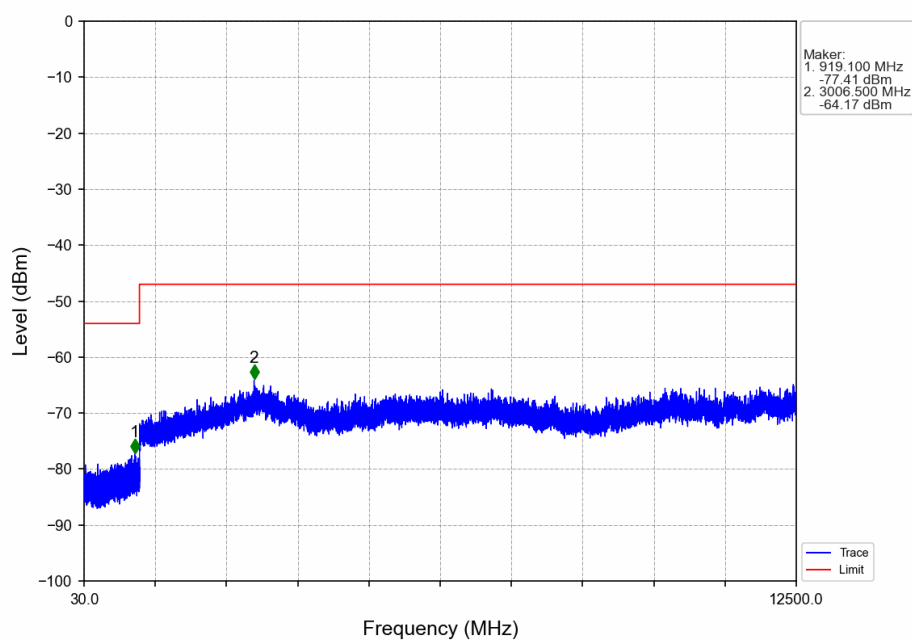


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	1000	0.1	0.1	716.650	-77.57	/	-54	Pass
1000	12500	1	1	3212.500	-63.89	/	-47	Pass

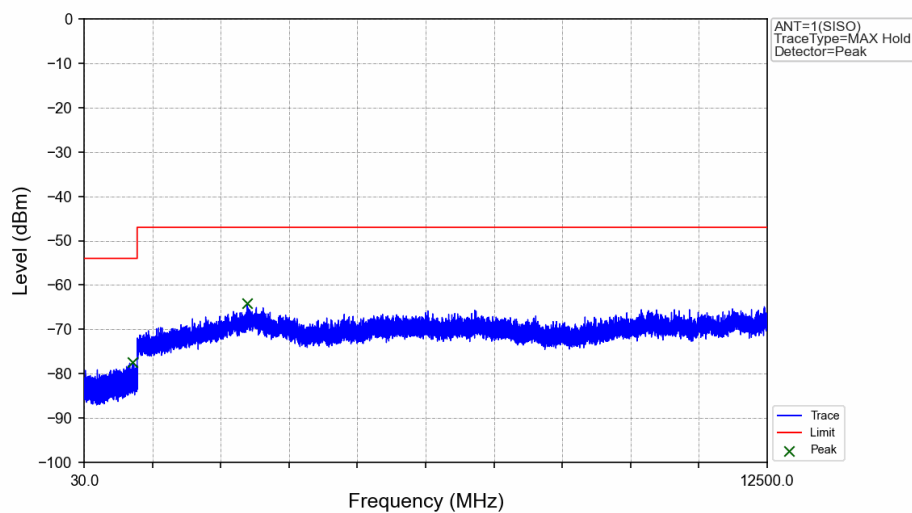
5.2.3 RxSe_NTHV



O-QPSK_2445MHz_Ant1_NTHV

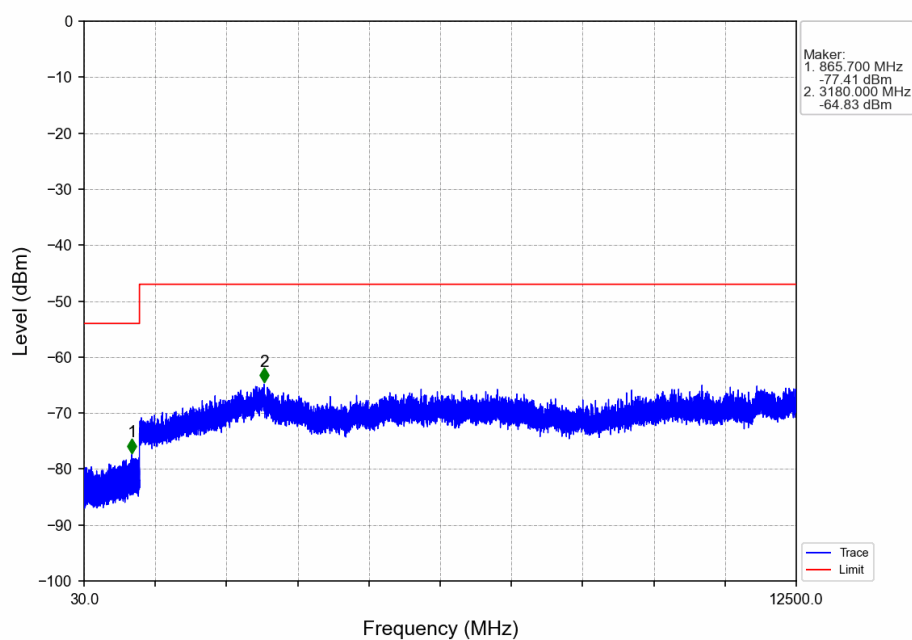


O-QPSK_2445MHz_Ant1_NTHV

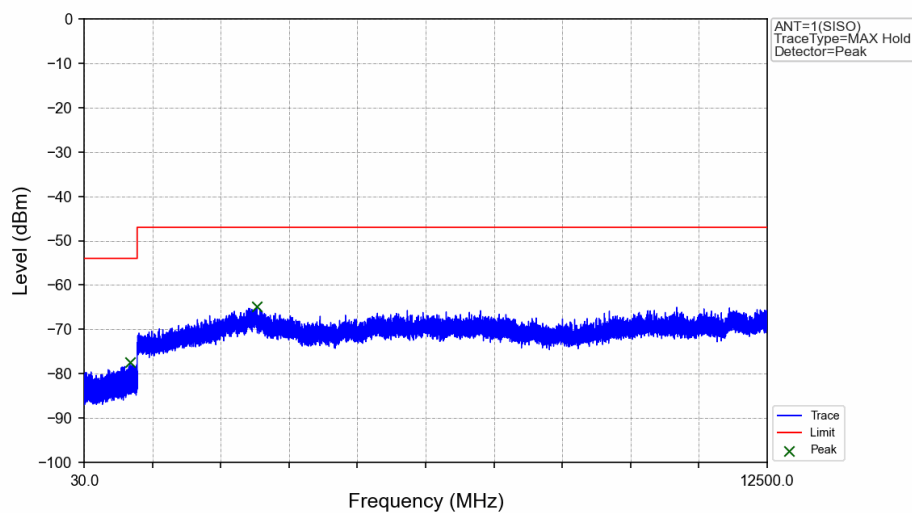


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	1000	0.1	0.1	919.100	-77.41	/	-54	Pass
1000	12500	1	1	3006.500	-64.17	/	-47	Pass

O-QPSK_2480MHz_Ant1_NTHV



O-QPSK_2480MHz_Ant1_NTHV



Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	1000	0.1	0.1	865.700	-77.41	/	-54	Pass
1000	12500	1	1	3180.000	-64.83	/	-47	Pass

-----End-----