

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 B7_5MHz_EIRP

Band: 7 / Bandwidth: 5MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	2502.5	1	0	23.41	-2.50	20.91	<=33.01	Pass
			13	23.39	-2.50	20.89	<=33.01	Pass
			24	23.50	-2.50	21.00	<=33.01	Pass
		12	0	22.41	-2.50	19.91	<=33.01	Pass
			6	22.42	-2.50	19.92	<=33.01	Pass
			13	22.41	-2.50	19.91	<=33.01	Pass
		25	0	22.33	-2.50	19.83	<=33.01	Pass
	2535	1	0	23.30	-2.50	20.80	<=33.01	Pass
			13	23.48	-2.50	20.98	<=33.01	Pass
			24	23.23	-2.50	20.73	<=33.01	Pass
		12	0	22.26	-2.50	19.76	<=33.01	Pass
			6	22.35	-2.50	19.85	<=33.01	Pass
			13	22.30	-2.50	19.80	<=33.01	Pass
		25	0	22.27	-2.50	19.77	<=33.01	Pass
	2567.5	1	0	23.14	-2.50	20.64	<=33.01	Pass
			13	23.27	-2.50	20.77	<=33.01	Pass
			24	23.21	-2.50	20.71	<=33.01	Pass
		12	0	22.25	-2.50	19.75	<=33.01	Pass
			6	22.27	-2.50	19.77	<=33.01	Pass
			13	22.23	-2.50	19.73	<=33.01	Pass
		25	0	22.19	-2.50	19.69	<=33.01	Pass
16QAM	2502.5	1	0	22.65	-2.50	20.15	<=33.01	Pass
			13	22.91	-2.50	20.41	<=33.01	Pass
			24	22.38	-2.50	19.88	<=33.01	Pass
		12	0	21.33	-2.50	18.83	<=33.01	Pass
			6	21.34	-2.50	18.84	<=33.01	Pass
			13	21.13	-2.50	18.63	<=33.01	Pass
		25	0	21.16	-2.50	18.66	<=33.01	Pass
	2535	1	0	22.24	-2.50	19.74	<=33.01	Pass
			13	22.51	-2.50	20.01	<=33.01	Pass
			24	22.57	-2.50	20.07	<=33.01	Pass
		12	0	21.21	-2.50	18.71	<=33.01	Pass
			6	21.30	-2.50	18.80	<=33.01	Pass
			13	21.18	-2.50	18.68	<=33.01	Pass
		25	0	21.33	-2.50	18.83	<=33.01	Pass
	2567.5	1	0	22.36	-2.50	19.86	<=33.01	Pass
			13	22.27	-2.50	19.77	<=33.01	Pass
			24	22.32	-2.50	19.82	<=33.01	Pass
		12	0	21.24	-2.50	18.74	<=33.01	Pass
			6	21.28	-2.50	18.78	<=33.01	Pass
			13	21.21	-2.50	18.71	<=33.01	Pass
		25	0	21.18	-2.50	18.68	<=33.01	Pass
64QAM	2502.5	1	0	22.17	-2.50	19.67	<=33.01	Pass
			13	22.59	-2.50	20.09	<=33.01	Pass
			24	22.32	-2.50	19.82	<=33.01	Pass
		12	0	12.97	-2.50	10.47	<=33.01	Pass
			6	21.66	-2.50	19.16	<=33.01	Pass
			13	21.43	-2.50	18.93	<=33.01	Pass
		25	0	21.37	-2.50	18.87	<=33.01	Pass

	2535	1	0	21.73	-2.50	19.23	<=33.01	Pass
			13	22.22	-2.50	19.72	<=33.01	Pass
			24	22.26	-2.50	19.76	<=33.01	Pass
		12	0	21.27	-2.50	18.77	<=33.01	Pass
			6	21.28	-2.50	18.78	<=33.01	Pass
			13	21.32	-2.50	18.82	<=33.01	Pass
		25	0	21.30	-2.50	18.80	<=33.01	Pass
	2567.5	1	0	21.72	-2.50	19.22	<=33.01	Pass
			13	22.26	-2.50	19.76	<=33.01	Pass
			24	22.13	-2.50	19.63	<=33.01	Pass
		12	0	21.29	-2.50	18.79	<=33.01	Pass
			6	21.34	-2.50	18.84	<=33.01	Pass
			13	21.28	-2.50	18.78	<=33.01	Pass
		25	0	21.22	-2.50	18.72	<=33.01	Pass
256QAM	2502.5	1	0	18.12	-2.50	15.62	<=33.01	Pass
			13	18.54	-2.50	16.04	<=33.01	Pass
			24	18.53	-2.50	16.03	<=33.01	Pass
		12	0	18.44	-2.50	15.94	<=33.01	Pass
			6	18.42	-2.50	15.92	<=33.01	Pass
			13	18.32	-2.50	15.82	<=33.01	Pass
		25	0	18.33	-2.50	15.83	<=33.01	Pass
	2535	1	0	17.81	-2.50	15.31	<=33.01	Pass
			13	18.00	-2.50	15.50	<=33.01	Pass
			24	18.06	-2.50	15.56	<=33.01	Pass
		12	0	18.10	-2.50	15.60	<=33.01	Pass
			6	18.33	-2.50	15.83	<=33.01	Pass
			13	18.30	-2.50	15.80	<=33.01	Pass
		25	0	18.35	-2.50	15.85	<=33.01	Pass
	2567.5	1	0	18.10	-2.50	15.60	<=33.01	Pass
			13	18.34	-2.50	15.84	<=33.01	Pass
			24	18.25	-2.50	15.75	<=33.01	Pass
		12	0	18.23	-2.50	15.73	<=33.01	Pass
			6	18.32	-2.50	15.82	<=33.01	Pass
			13	18.26	-2.50	15.76	<=33.01	Pass
		25	0	18.25	-2.50	15.75	<=33.01	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.1.2 B7_10MHz_EIRP

Band: 7 / Bandwidth: 10MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	2505	1	0	23.28	-2.50	20.78	<=33.01	Pass
			25	23.43	-2.50	20.93	<=33.01	Pass
			49	23.31	-2.50	20.81	<=33.01	Pass
		25	0	22.49	-2.50	19.99	<=33.01	Pass
			13	22.45	-2.50	19.95	<=33.01	Pass
			25	22.35	-2.50	19.85	<=33.01	Pass
		50	0	22.51	-2.50	20.01	<=33.01	Pass
	2535	1	0	23.23	-2.50	20.73	<=33.01	Pass
			25	23.30	-2.50	20.80	<=33.01	Pass
			49	23.34	-2.50	20.84	<=33.01	Pass
		25	0	22.33	-2.50	19.83	<=33.01	Pass
			13	22.32	-2.50	19.82	<=33.01	Pass
			25	22.27	-2.50	19.77	<=33.01	Pass
		50	0	22.30	-2.50	19.80	<=33.01	Pass
	2565	1	0	23.16	-2.50	20.66	<=33.01	Pass

		25	25	23.22	-2.50	20.72	<=33.01	Pass
			49	23.26	-2.50	20.76	<=33.01	Pass
			0	22.25	-2.50	19.75	<=33.01	Pass
			13	22.27	-2.50	19.77	<=33.01	Pass
			25	22.22	-2.50	19.72	<=33.01	Pass
		50	0	22.24	-2.50	19.74	<=33.01	Pass
16QAM	2505	1	0	22.54	-2.50	20.04	<=33.01	Pass
			25	22.81	-2.50	20.31	<=33.01	Pass
			49	22.31	-2.50	19.81	<=33.01	Pass
		25	0	21.33	-2.50	18.83	<=33.01	Pass
			13	21.44	-2.50	18.94	<=33.01	Pass
			25	21.37	-2.50	18.87	<=33.01	Pass
		50	0	21.37	-2.50	18.87	<=33.01	Pass
	2535	1	0	21.99	-2.50	19.49	<=33.01	Pass
			25	22.30	-2.50	19.80	<=33.01	Pass
			49	22.22	-2.50	19.72	<=33.01	Pass
		25	0	21.22	-2.50	18.72	<=33.01	Pass
			13	21.34	-2.50	18.84	<=33.01	Pass
			25	21.29	-2.50	18.79	<=33.01	Pass
		50	0	21.30	-2.50	18.80	<=33.01	Pass
	2565	1	0	22.30	-2.50	19.80	<=33.01	Pass
			25	22.42	-2.50	19.92	<=33.01	Pass
			49	22.45	-2.50	19.95	<=33.01	Pass
		25	0	21.31	-2.50	18.81	<=33.01	Pass
			13	21.31	-2.50	18.81	<=33.01	Pass
			25	21.13	-2.50	18.63	<=33.01	Pass
		50	0	21.21	-2.50	18.71	<=33.01	Pass
64QAM	2505	1	0	22.46	-2.50	19.96	<=33.01	Pass
			25	22.49	-2.50	19.99	<=33.01	Pass
			49	22.54	-2.50	20.04	<=33.01	Pass
		25	0	21.22	-2.50	18.72	<=33.01	Pass
			13	21.43	-2.50	18.93	<=33.01	Pass
			25	21.36	-2.50	18.86	<=33.01	Pass
		50	0	21.39	-2.50	18.89	<=33.01	Pass
	2535	1	0	22.15	-2.50	19.65	<=33.01	Pass
			25	22.14	-2.50	19.64	<=33.01	Pass
			49	22.11	-2.50	19.61	<=33.01	Pass
		25	0	21.29	-2.50	18.79	<=33.01	Pass
			13	21.26	-2.50	18.76	<=33.01	Pass
			25	21.33	-2.50	18.83	<=33.01	Pass
		50	0	21.31	-2.50	18.81	<=33.01	Pass
	2565	1	0	22.08	-2.50	19.58	<=33.01	Pass
			25	22.23	-2.50	19.73	<=33.01	Pass
			49	22.27	-2.50	19.77	<=33.01	Pass
		25	0	21.32	-2.50	18.82	<=33.01	Pass
			13	21.38	-2.50	18.88	<=33.01	Pass
			25	21.28	-2.50	18.78	<=33.01	Pass
		50	0	21.29	-2.50	18.79	<=33.01	Pass
256QAM	2505	1	0	18.23	-2.50	15.73	<=33.01	Pass
			25	18.32	-2.50	15.82	<=33.01	Pass
			49	17.50	-2.50	15.00	<=33.01	Pass
		25	0	18.50	-2.50	16.00	<=33.01	Pass
			13	18.41	-2.50	15.91	<=33.01	Pass
			25	18.35	-2.50	15.85	<=33.01	Pass
		50	0	18.48	-2.50	15.98	<=33.01	Pass
	2535	1	0	18.63	-2.50	16.13	<=33.01	Pass
			25	18.62	-2.50	16.12	<=33.01	Pass
			49	17.88	-2.50	15.38	<=33.01	Pass
		25	0	18.27	-2.50	15.77	<=33.01	Pass

		50	13	18.38	-2.50	15.88	<=33.01	Pass
			25	18.30	-2.50	15.80	<=33.01	Pass
			0	18.23	-2.50	15.73	<=33.01	Pass
	2565	1	0	18.42	-2.50	15.92	<=33.01	Pass
			25	18.29	-2.50	15.79	<=33.01	Pass
			49	18.21	-2.50	15.71	<=33.01	Pass
		25	0	18.22	-2.50	15.72	<=33.01	Pass
			13	18.30	-2.50	15.80	<=33.01	Pass
			25	18.25	-2.50	15.75	<=33.01	Pass
		50	0	18.15	-2.50	15.65	<=33.01	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.1.3 B7_15MHz_EIRP

Band: 7 / Bandwidth: 15MHz / NTN								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	2507.5	1	0	23.27	-2.50	20.77	<=33.01	Pass
			38	23.76	-2.50	21.26	<=33.01	Pass
			74	23.44	-2.50	20.94	<=33.01	Pass
		36	0	22.36	-2.50	19.86	<=33.01	Pass
			18	22.34	-2.50	19.84	<=33.01	Pass
			39	22.27	-2.50	19.77	<=33.01	Pass
		75	0	22.29	-2.50	19.79	<=33.01	Pass
	2535	1	0	23.40	-2.50	20.90	<=33.01	Pass
			38	23.32	-2.50	20.82	<=33.01	Pass
			74	23.55	-2.50	21.05	<=33.01	Pass
		36	0	22.30	-2.50	19.80	<=33.01	Pass
			18	22.28	-2.50	19.78	<=33.01	Pass
			39	22.23	-2.50	19.73	<=33.01	Pass
		75	0	22.37	-2.50	19.87	<=33.01	Pass
	2562.5	1	0	23.52	-2.50	21.02	<=33.01	Pass
			38	23.20	-2.50	20.70	<=33.01	Pass
			74	22.79	-2.50	20.29	<=33.01	Pass
		36	0	22.29	-2.50	19.79	<=33.01	Pass
			18	22.21	-2.50	19.71	<=33.01	Pass
			39	22.19	-2.50	19.69	<=33.01	Pass
		75	0	22.24	-2.50	19.74	<=33.01	Pass
16QAM	2507.5	1	0	22.13	-2.50	19.63	<=33.01	Pass
			38	22.58	-2.50	20.08	<=33.01	Pass
			74	22.13	-2.50	19.63	<=33.01	Pass
		36	0	21.48	-2.50	18.98	<=33.01	Pass
			18	21.36	-2.50	18.86	<=33.01	Pass
			39	21.33	-2.50	18.83	<=33.01	Pass
		75	0	21.36	-2.50	18.86	<=33.01	Pass
	2535	1	0	22.18	-2.50	19.68	<=33.01	Pass
			38	22.35	-2.50	19.85	<=33.01	Pass
			74	22.02	-2.50	19.52	<=33.01	Pass
		36	0	21.28	-2.50	18.78	<=33.01	Pass
			18	21.28	-2.50	18.78	<=33.01	Pass
			39	21.21	-2.50	18.71	<=33.01	Pass
		75	0	21.26	-2.50	18.76	<=33.01	Pass
	2562.5	1	0	22.40	-2.50	19.90	<=33.01	Pass
			38	22.05	-2.50	19.55	<=33.01	Pass
			74	21.99	-2.50	19.49	<=33.01	Pass
		36	0	21.31	-2.50	18.81	<=33.01	Pass
			18	21.29	-2.50	18.79	<=33.01	Pass

			39	21.27	-2.50	18.77	<=33.01	Pass	
		75	0	21.27	-2.50	18.77	<=33.01	Pass	
64QAM	2507.5	1	0	22.03	-2.50	19.53	<=33.01	Pass	
			38	21.98	-2.50	19.48	<=33.01	Pass	
			74	22.38	-2.50	19.88	<=33.01	Pass	
			0	21.34	-2.50	18.84	<=33.01	Pass	
		36	18	21.36	-2.50	18.86	<=33.01	Pass	
			39	21.39	-2.50	18.89	<=33.01	Pass	
			75	0	21.35	-2.50	18.85	<=33.01	Pass
		2535	1	0	22.16	-2.50	19.66	<=33.01	Pass
				38	22.17	-2.50	19.67	<=33.01	Pass
	74			22.72	-2.50	20.22	<=33.01	Pass	
	0			21.26	-2.50	18.76	<=33.01	Pass	
	36		18	21.28	-2.50	18.78	<=33.01	Pass	
			39	21.24	-2.50	18.74	<=33.01	Pass	
			75	0	21.24	-2.50	18.74	<=33.01	Pass
	2562.5	1	0	22.15	-2.50	19.65	<=33.01	Pass	
			38	22.48	-2.50	19.98	<=33.01	Pass	
			74	21.58	-2.50	19.08	<=33.01	Pass	
			0	21.36	-2.50	18.86	<=33.01	Pass	
		36	18	21.29	-2.50	18.79	<=33.01	Pass	
			39	21.18	-2.50	18.68	<=33.01	Pass	
			75	0	21.30	-2.50	18.80	<=33.01	Pass
		256QAM	2507.5	1	0	18.55	-2.50	16.05	<=33.01
38	18.46				-2.50	15.96	<=33.01	Pass	
74	18.42				-2.50	15.92	<=33.01	Pass	
36	0			18.22	-2.50	15.72	<=33.01	Pass	
	18			18.34	-2.50	15.84	<=33.01	Pass	
	39			18.37	-2.50	15.87	<=33.01	Pass	
75	0			18.45	-2.50	15.95	<=33.01	Pass	
2535	1		0	18.31	-2.50	15.81	<=33.01	Pass	
			38	18.33	-2.50	15.83	<=33.01	Pass	
			74	18.49	-2.50	15.99	<=33.01	Pass	
	36		0	18.29	-2.50	15.79	<=33.01	Pass	
			18	18.33	-2.50	15.83	<=33.01	Pass	
			39	18.21	-2.50	15.71	<=33.01	Pass	
2562.5	1		0	18.31	-2.50	15.81	<=33.01	Pass	
			0	18.36	-2.50	15.86	<=33.01	Pass	
			38	18.23	-2.50	15.73	<=33.01	Pass	
	36		74	18.21	-2.50	15.71	<=33.01	Pass	
			0	18.28	-2.50	15.78	<=33.01	Pass	
			18	18.26	-2.50	15.76	<=33.01	Pass	
	39		18.33	-2.50	15.83	<=33.01	Pass		
75	0		18.28	-2.50	15.78	<=33.01	Pass		
Note1: EIRP=Conducted Power+Antenna Gain									

1.1.4 B7_20MHz_EIRP

Band: 7 / Bandwidth: 20MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	2510	1	0	23.34	-2.50	20.84	<=33.01	Pass
			50	23.46	-2.50	20.96	<=33.01	Pass
			99	23.62	-2.50	21.12	<=33.01	Pass
		50	0	22.39	-2.50	19.89	<=33.01	Pass
			25	22.38	-2.50	19.88	<=33.01	Pass
			50	22.32	-2.50	19.82	<=33.01	Pass

		100	0	22.44	-2.50	19.94	<=33.01	Pass
	2535	1	0	23.06	-2.50	20.56	<=33.01	Pass
			50	23.40	-2.50	20.90	<=33.01	Pass
			99	23.25	-2.50	20.75	<=33.01	Pass
			0	22.48	-2.50	19.98	<=33.01	Pass
		50	25	22.25	-2.50	19.75	<=33.01	Pass
			50	22.16	-2.50	19.66	<=33.01	Pass
	100	0	22.31	-2.50	19.81	<=33.01	Pass	
	2560	1	0	23.33	-2.50	20.83	<=33.01	Pass
			50	23.63	-2.50	21.13	<=33.01	Pass
			99	23.27	-2.50	20.77	<=33.01	Pass
			0	22.39	-2.50	19.89	<=33.01	Pass
		50	25	22.32	-2.50	19.82	<=33.01	Pass
			50	22.25	-2.50	19.75	<=33.01	Pass
			100	0	22.32	-2.50	19.82	<=33.01
		16QAM	2510	1	0	22.65	-2.50	20.15
50	22.63				-2.50	20.13	<=33.01	Pass
99	22.32				-2.50	19.82	<=33.01	Pass
50	0			21.46	-2.50	18.96	<=33.01	Pass
	25			21.37	-2.50	18.87	<=33.01	Pass
	50			21.36	-2.50	18.86	<=33.01	Pass
100	0			21.44	-2.50	18.94	<=33.01	Pass
2535	1		0	22.40	-2.50	19.90	<=33.01	Pass
			50	22.27	-2.50	19.77	<=33.01	Pass
			99	22.33	-2.50	19.83	<=33.01	Pass
	50		0	21.51	-2.50	19.01	<=33.01	Pass
			25	21.22	-2.50	18.72	<=33.01	Pass
			50	21.21	-2.50	18.71	<=33.01	Pass
	100		0	21.31	-2.50	18.81	<=33.01	Pass
2560	1		0	22.44	-2.50	19.94	<=33.01	Pass
			50	22.38	-2.50	19.88	<=33.01	Pass
			99	22.52	-2.50	20.02	<=33.01	Pass
	50		0	21.37	-2.50	18.87	<=33.01	Pass
			25	21.39	-2.50	18.89	<=33.01	Pass
			50	21.22	-2.50	18.72	<=33.01	Pass
	100		0	21.29	-2.50	18.79	<=33.01	Pass
64QAM	2510		1	0	22.56	-2.50	20.06	<=33.01
		50		22.31	-2.50	19.81	<=33.01	Pass
		99		22.34	-2.50	19.84	<=33.01	Pass
		50	0	21.48	-2.50	18.98	<=33.01	Pass
			25	21.33	-2.50	18.83	<=33.01	Pass
			50	21.31	-2.50	18.81	<=33.01	Pass
		100	0	21.41	-2.50	18.91	<=33.01	Pass
	2535	1	0	21.82	-2.50	19.32	<=33.01	Pass
			50	21.96	-2.50	19.46	<=33.01	Pass
			99	22.20	-2.50	19.70	<=33.01	Pass
		50	0	21.28	-2.50	18.78	<=33.01	Pass
			25	21.30	-2.50	18.80	<=33.01	Pass
			50	21.11	-2.50	18.61	<=33.01	Pass
		100	0	21.28	-2.50	18.78	<=33.01	Pass
	2560	1	0	22.37	-2.50	19.87	<=33.01	Pass
			50	21.88	-2.50	19.38	<=33.01	Pass
			99	21.99	-2.50	19.49	<=33.01	Pass
		50	0	21.36	-2.50	18.86	<=33.01	Pass
			25	21.36	-2.50	18.86	<=33.01	Pass
			50	21.18	-2.50	18.68	<=33.01	Pass
		100	0	21.29	-2.50	18.79	<=33.01	Pass
	256QAM	2510	1	0	18.43	-2.50	15.93	<=33.01
			50	18.46	-2.50	15.96	<=33.01	Pass

			99	18.08	-2.50	15.58	<=33.01	Pass
		50	0	18.37	-2.50	15.87	<=33.01	Pass
			25	18.46	-2.50	15.96	<=33.01	Pass
			50	18.32	-2.50	15.82	<=33.01	Pass
		100	0	18.36	-2.50	15.86	<=33.01	Pass
	2535	1	0	18.26	-2.50	15.76	<=33.01	Pass
			50	18.16	-2.50	15.66	<=33.01	Pass
			99	18.10	-2.50	15.60	<=33.01	Pass
		50	0	18.27	-2.50	15.77	<=33.01	Pass
			25	18.27	-2.50	15.77	<=33.01	Pass
			50	18.24	-2.50	15.74	<=33.01	Pass
		100	0	18.36	-2.50	15.86	<=33.01	Pass
		2560	1	0	18.67	-2.50	16.17	<=33.01
	50			18.17	-2.50	15.67	<=33.01	Pass
	99			18.03	-2.50	15.53	<=33.01	Pass
	50		0	18.34	-2.50	15.84	<=33.01	Pass
			25	18.38	-2.50	15.88	<=33.01	Pass
			50	18.29	-2.50	15.79	<=33.01	Pass
	100		0	18.32	-2.50	15.82	<=33.01	Pass
	Note1: EIRP=Conducted Power+Antenna Gain							

2. Frequency Stability

2.1 Test Result

2.1.1 B7_10MHz

Band: 7 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2535	50	0	20	LV	-3.200	-0.0013	-2.5 to 2.5	Pass
					NV	-1.200	-0.0005	-2.5 to 2.5	Pass
					HV	0.100	0.0000	-2.5 to 2.5	Pass
				-30	NV	-1.600	-0.0006	-2.5 to 2.5	Pass
				-20	NV	-0.300	-0.0001	-2.5 to 2.5	Pass
				-10	NV	-1.400	-0.0006	-2.5 to 2.5	Pass
				0	NV	-0.300	-0.0001	-2.5 to 2.5	Pass
				10	NV	-1.700	-0.0007	-2.5 to 2.5	Pass
				30	NV	-0.700	-0.0003	-2.5 to 2.5	Pass
				40	NV	-1.600	-0.0006	-2.5 to 2.5	Pass
				50	NV	-1.900	-0.0007	-2.5 to 2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 Band7_OBW

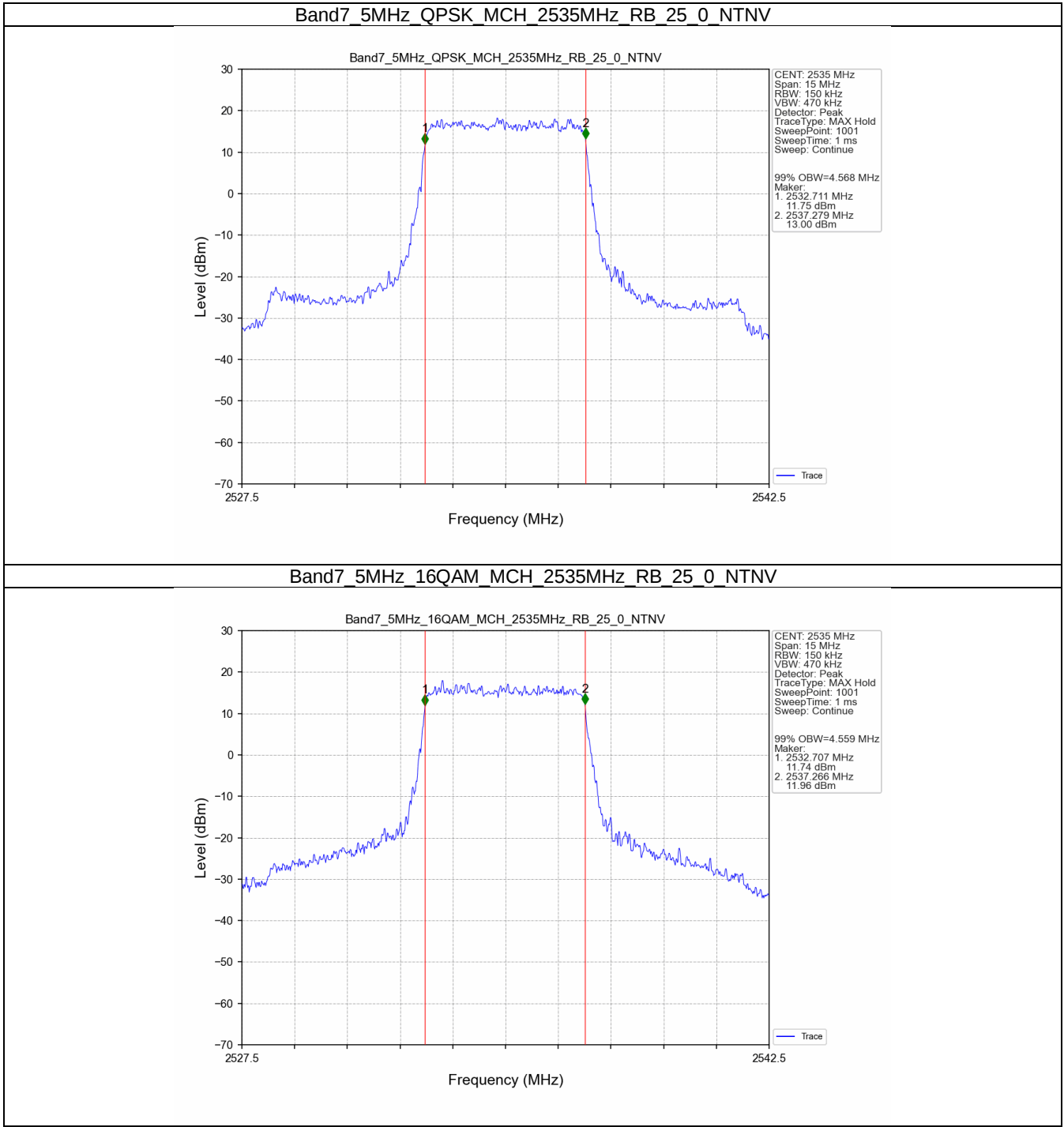
Band: 7 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2535	25	0	4.568	/	Pass
	16QAM	2535	25	0	4.559	/	Pass
10	QPSK	2535	50	0	9.059	/	Pass
	16QAM	2535	50	0	9.050	/	Pass
15	QPSK	2535	75	0	13.593	/	Pass
	16QAM	2535	75	0	13.602	/	Pass
20	QPSK	2535	100	0	18.087	/	Pass
	16QAM	2535	100	0	18.121	/	Pass

3.1.2 Band7_XDB

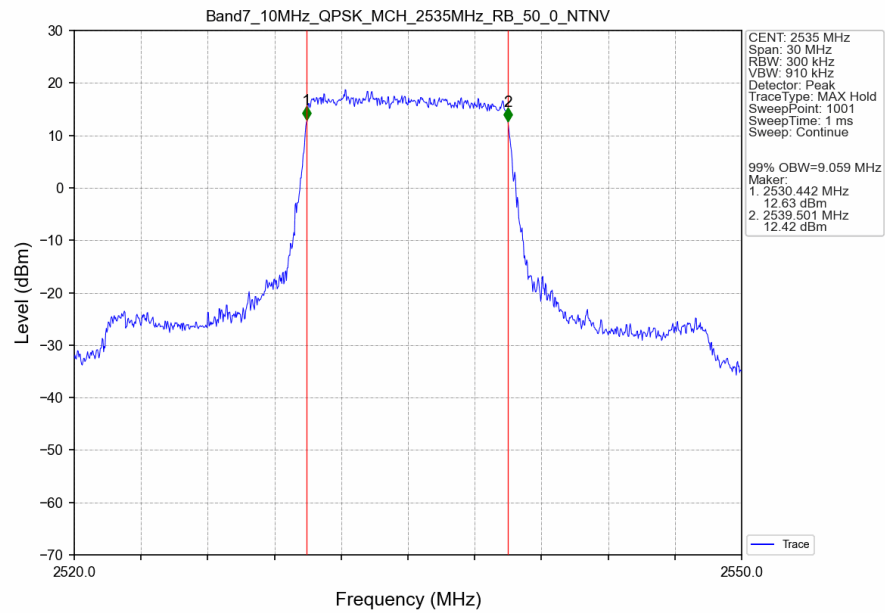
Band: 7 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2535	25	0	5.246	/	Pass
	16QAM	2535	25	0	5.260	/	Pass
10	QPSK	2535	50	0	10.137	/	Pass
	16QAM	2535	50	0	10.205	/	Pass
15	QPSK	2535	75	0	15.144	/	Pass
	16QAM	2535	75	0	15.119	/	Pass
20	QPSK	2535	100	0	20.009	/	Pass
	16QAM	2535	100	0	20.070	/	Pass

3.2 Test Graph

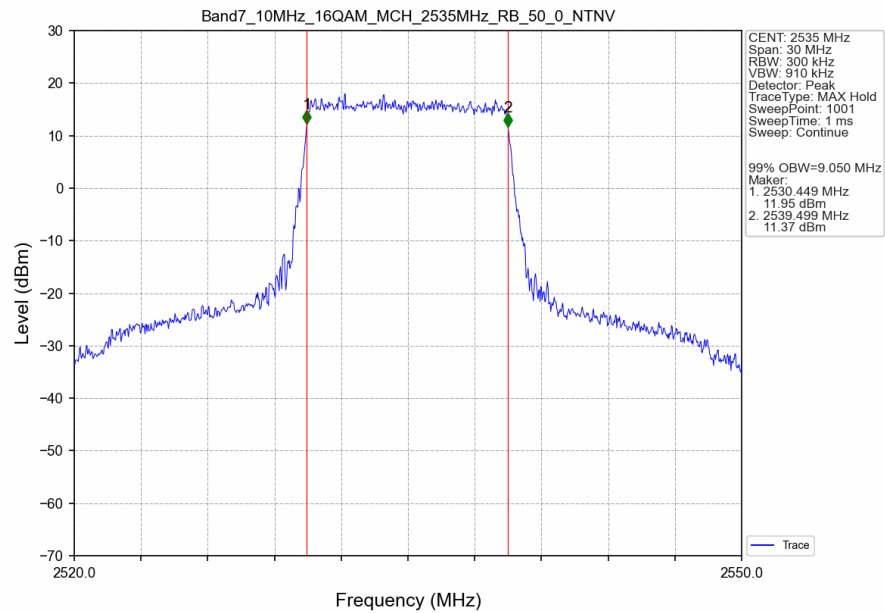
3.2.1 Band7_OBW



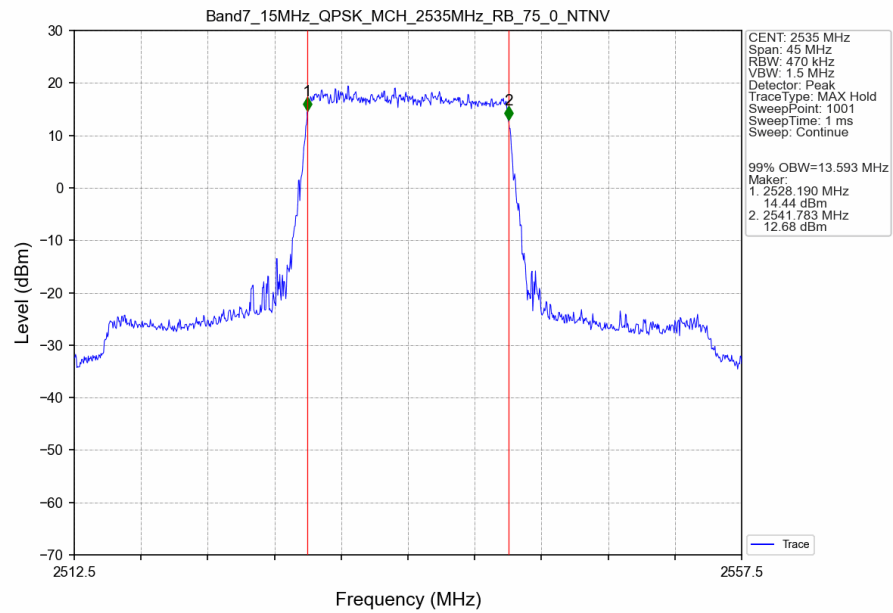
Band7 10MHz QPSK MCH 2535MHz RB 50 0 NTV



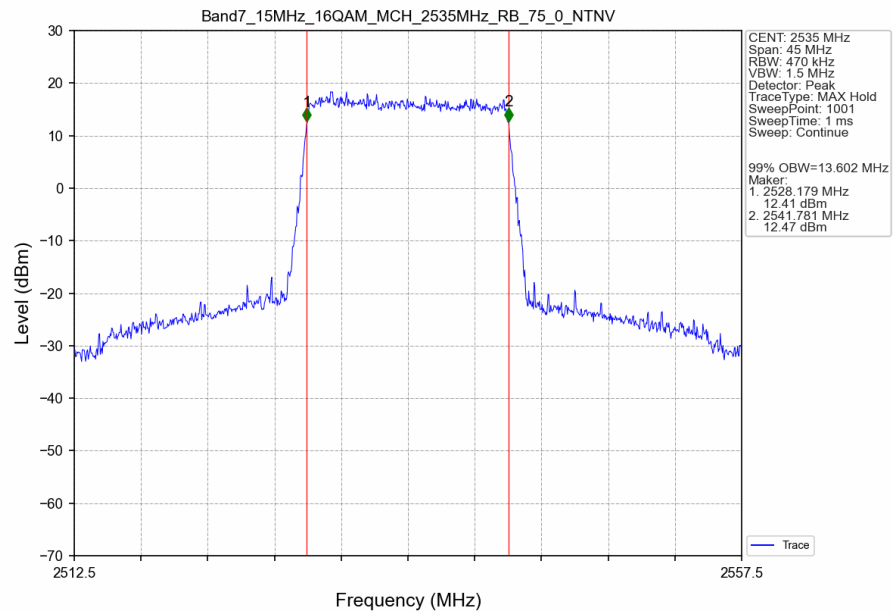
Band7 10MHz 16QAM MCH 2535MHz RB 50 0 NTV



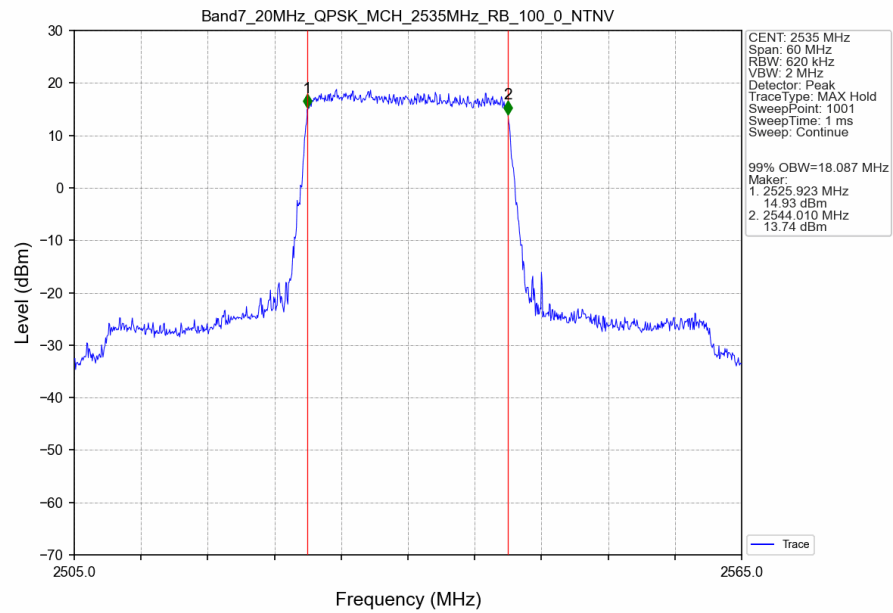
Band7 15MHz QPSK MCH 2535MHz RB 75 0 NTV



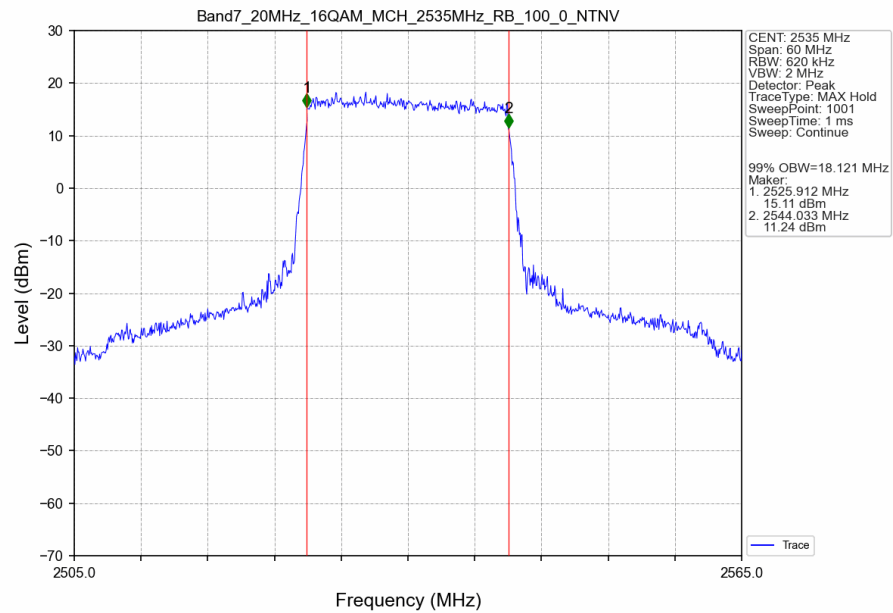
Band7 15MHz 16QAM MCH 2535MHz RB 75 0 NTV



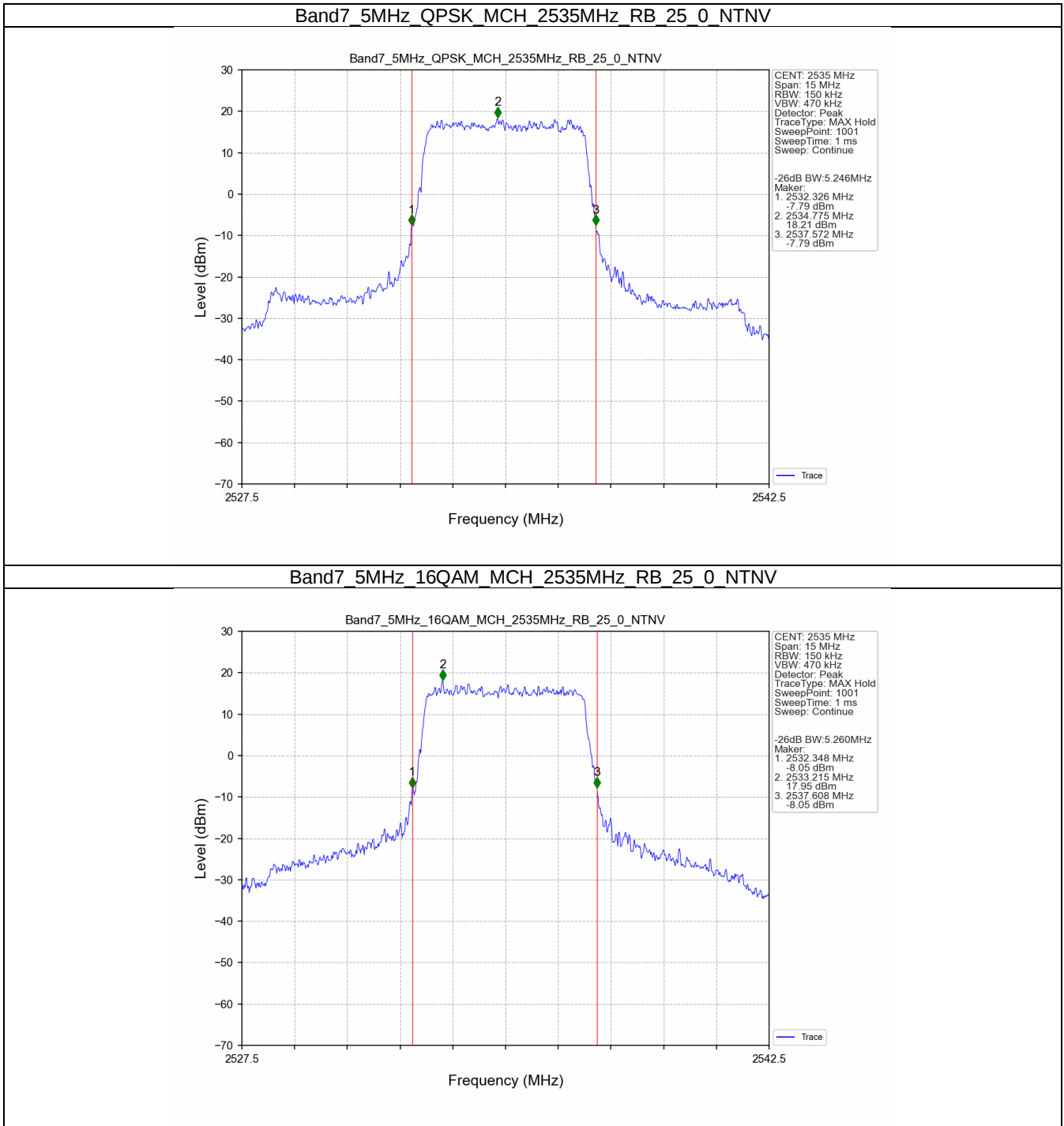
Band7 20MHz QPSK MCH 2535MHz RB 100 0 NTNV



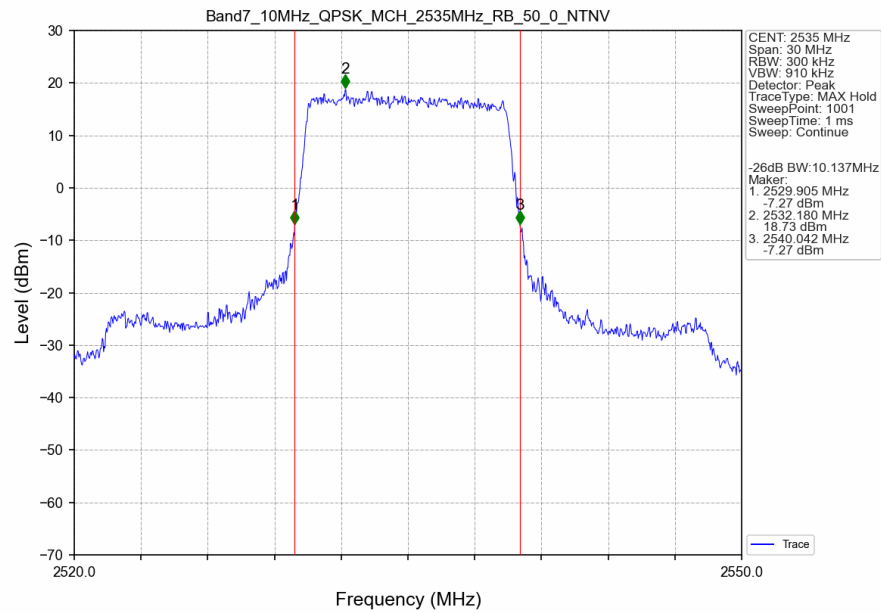
Band7 20MHz 16QAM MCH 2535MHz RB 100 0 NTNV



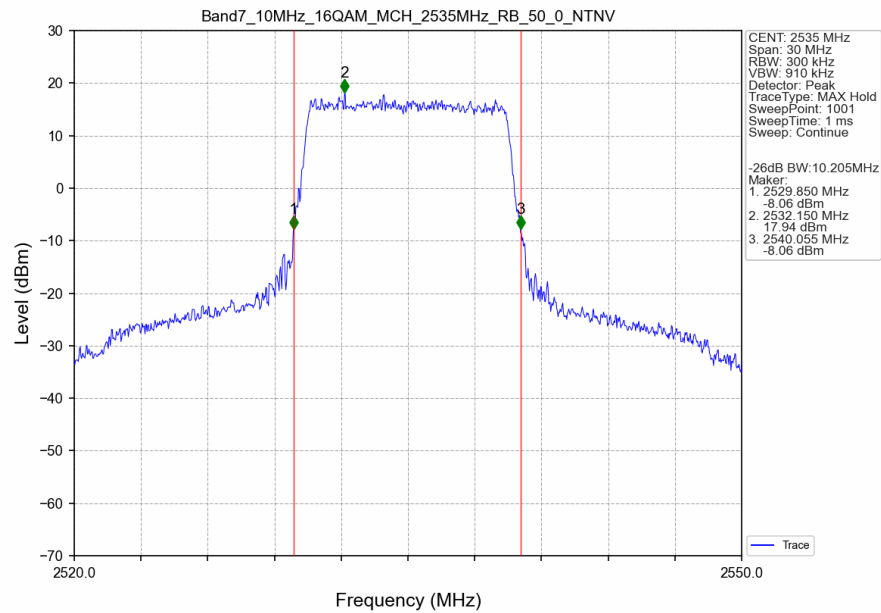
3.2.2 Band7_XDB



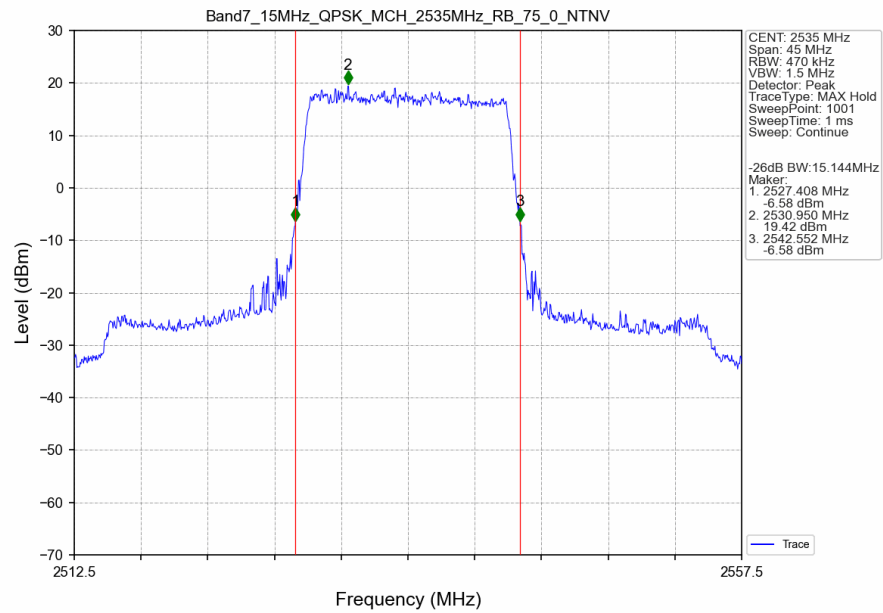
Band7 10MHz QPSK MCH 2535MHz RB 50 0 NTN



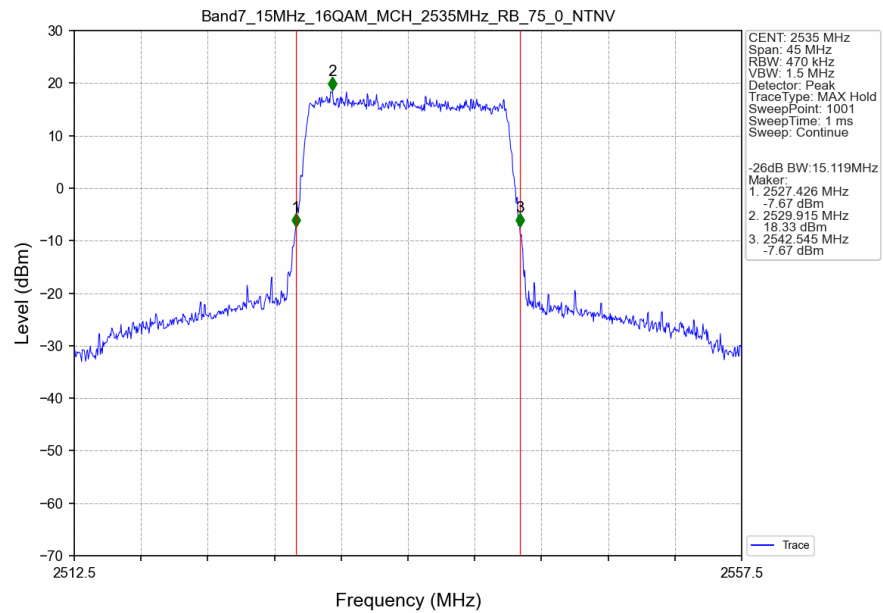
Band7 10MHz 16QAM MCH 2535MHz RB 50 0 NTN



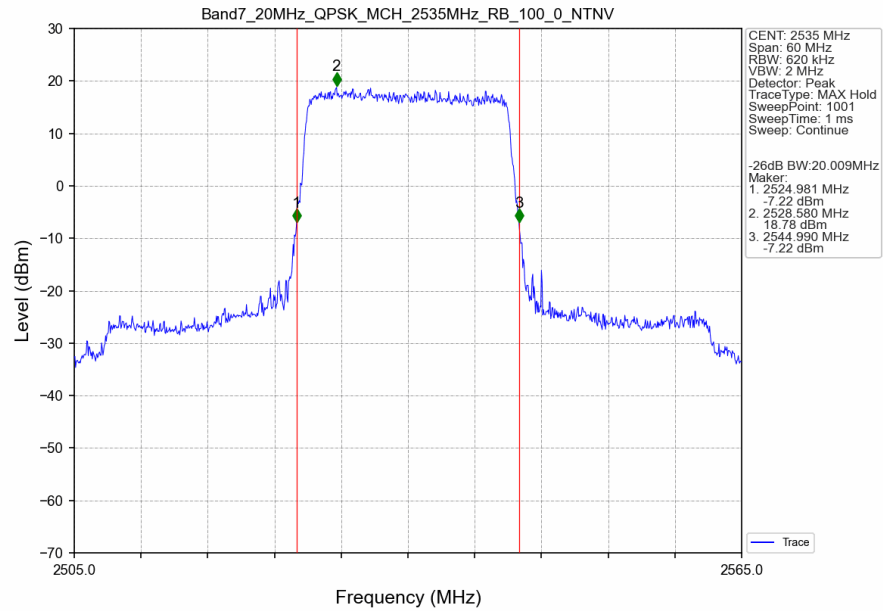
Band7 15MHz QPSK MCH 2535MHz RB 75 0 NTNV



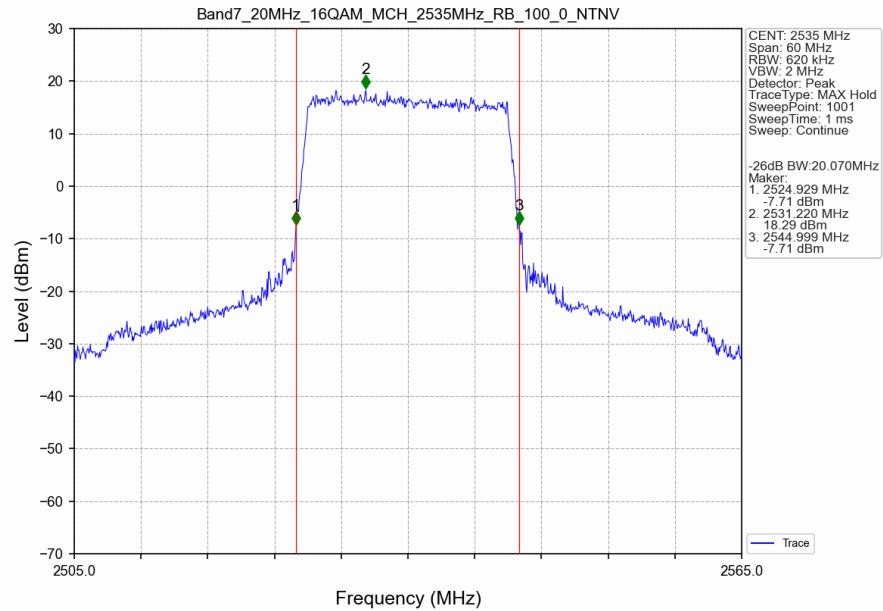
Band7 15MHz 16QAM MCH 2535MHz RB 75 0 NTNV



Band7 20MHz QPSK MCH 2535MHz RB 100 0 NTNV



Band7 20MHz 16QAM MCH 2535MHz RB 100 0 NTNV



4. Peak-Average Ratio

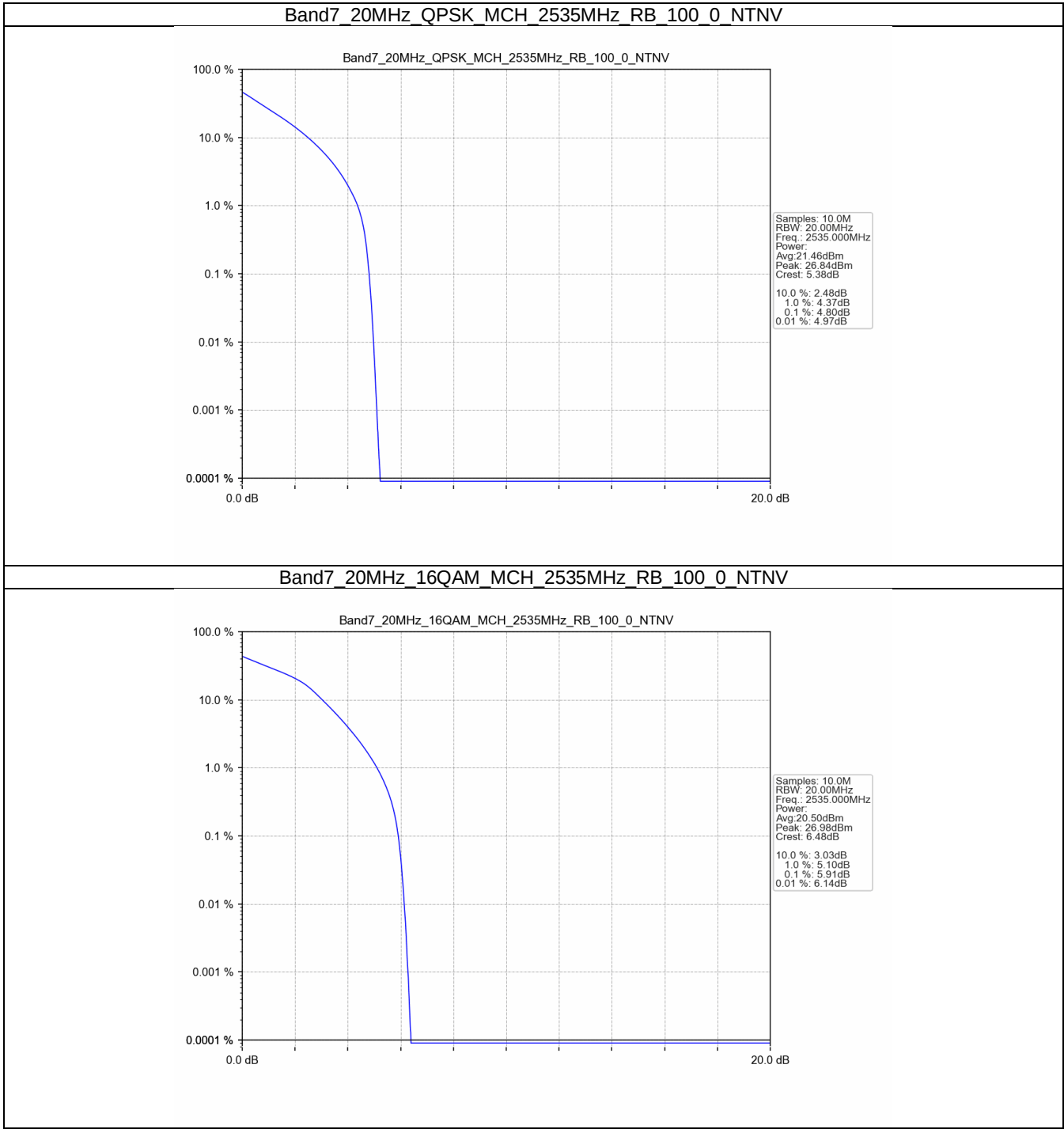
4.1 Test Result

4.1.1 B7_20MHz

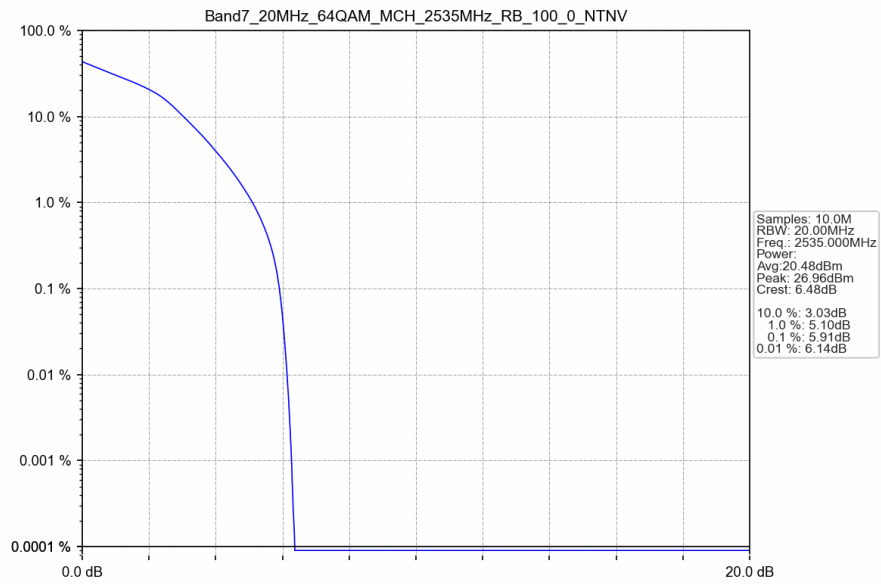
Band: 7 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2535	100	0	4.80	<=13	Pass
16QAM	2535	100	0	5.91	<=13	Pass
64QAM	2535	100	0	5.91	<=13	Pass
256QAM	2535	100	0	6.98	<=13	Pass

4.2 Test Graph

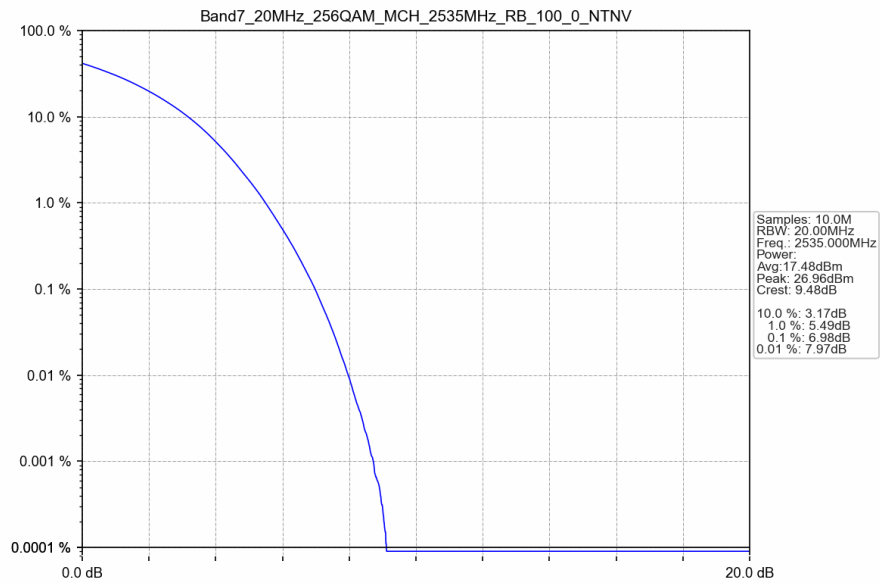
4.2.1 B7_20MHz



Band7 20MHz 64QAM MCH 2535MHz RB 100 0 NTNV



Band7 20MHz 256QAM MCH 2535MHz RB 100 0 NTNV



5. Spurious Emission

5.1 Test Result

5.1.1 B7_5MHz

Band: 7 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	2502.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	2535	1	0	Refer To Test Graph		Pass
	2567.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass

5.1.2 B7_10MHz

Band: 7 / Bandwidth: 10MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	2505	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	2535	1	0	Refer To Test Graph		Pass
	2565	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass

5.1.3 B7_15MHz

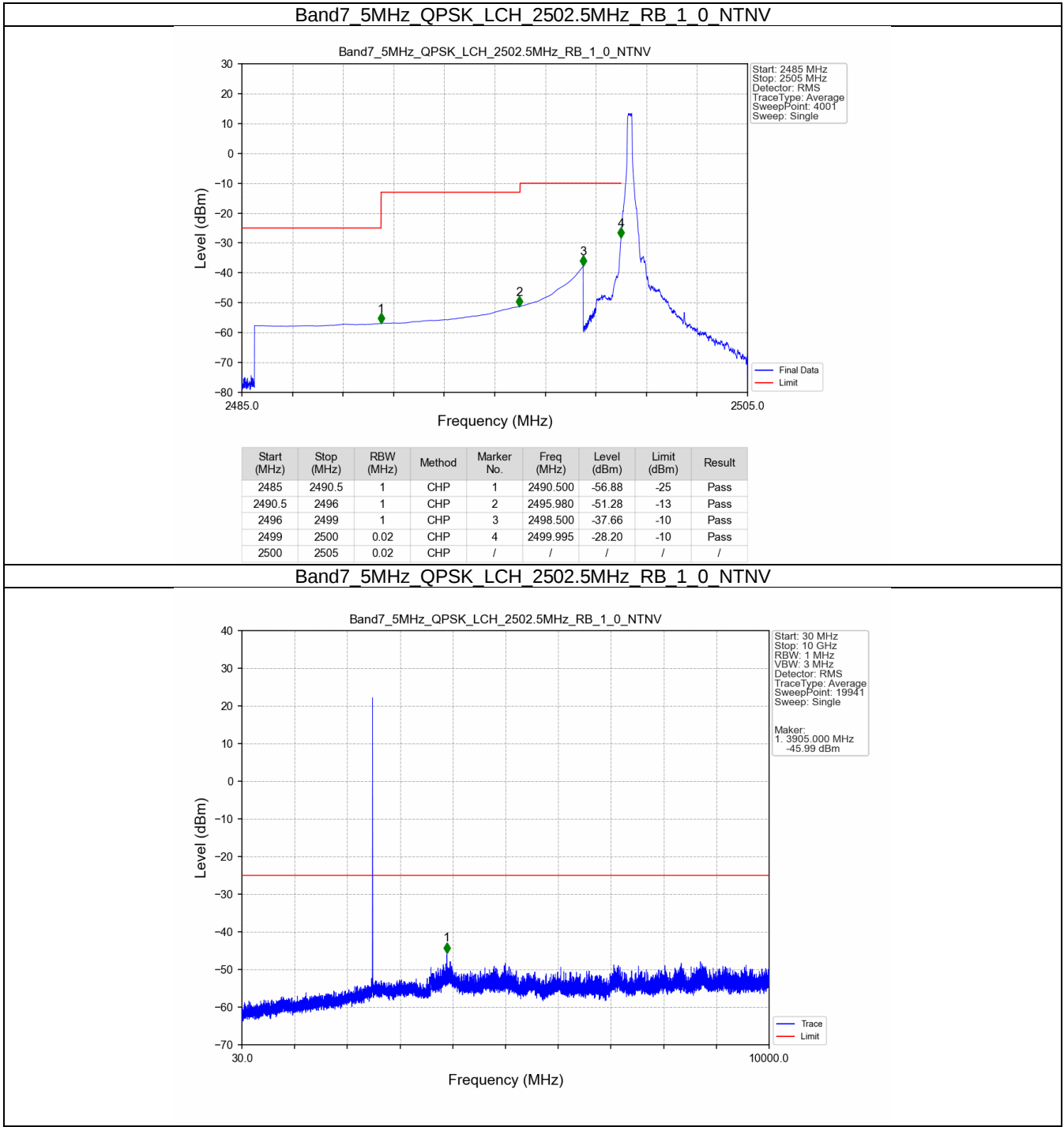
Band: 7 / Bandwidth: 15MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	2507.5	1	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	2535	1	0	Refer To Test Graph		Pass
	2562.5	1	0	Refer To Test Graph		Pass
			74	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass

5.1.4 B7_20MHz

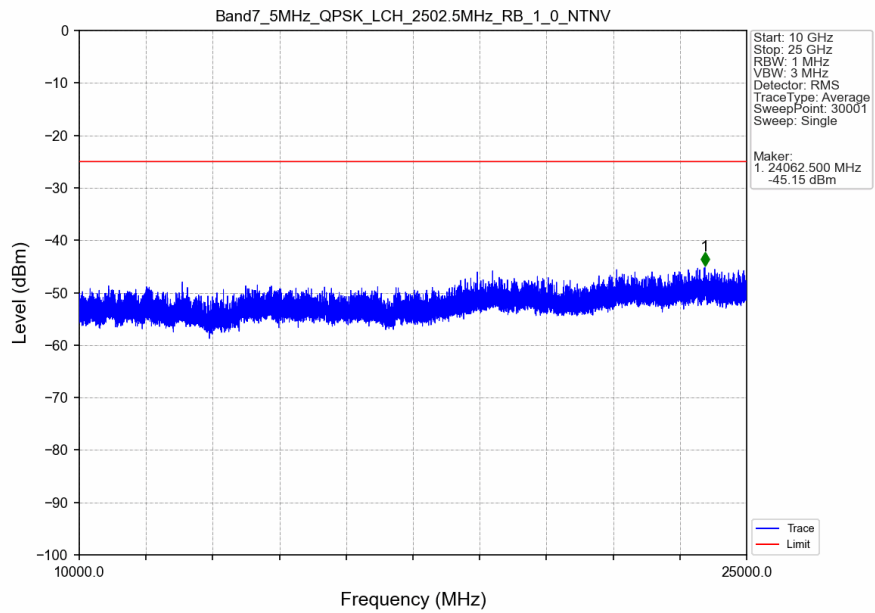
Band: 7 / Bandwidth: 20MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	2510	1	0	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	2535	1	0	Refer To Test Graph		Pass
	2560	1	0	Refer To Test Graph		Pass
			99	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass

5.2 Test Graph

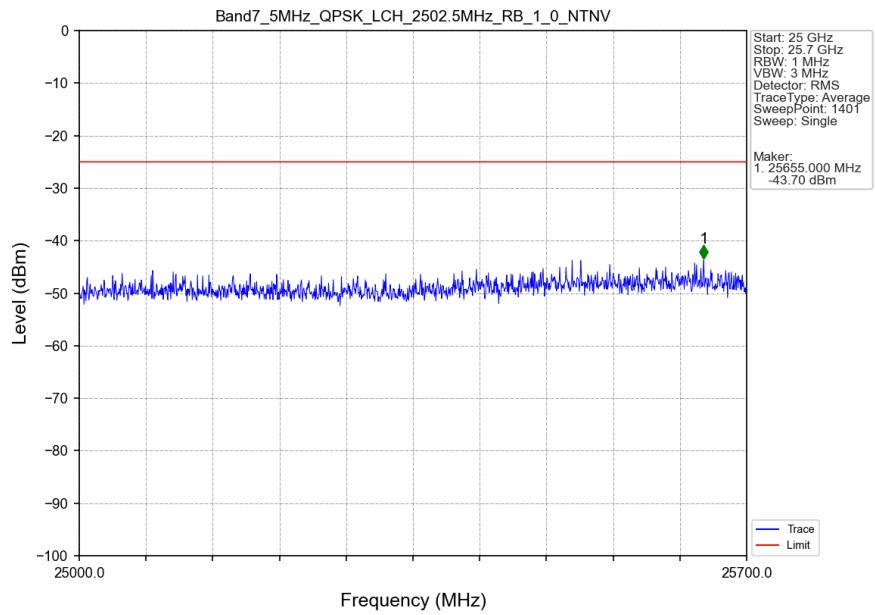
5.2.1 B7_5MHz



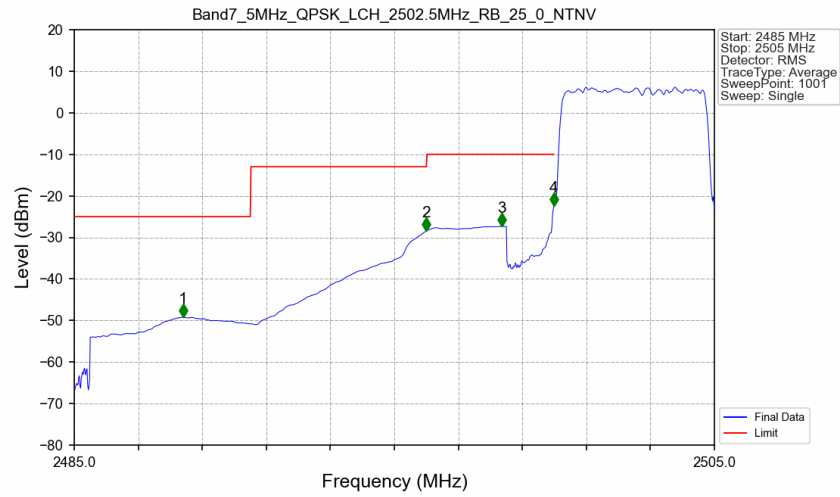
Band7 5MHz QPSK LCH 2502.5MHz RB 1 0 NTN



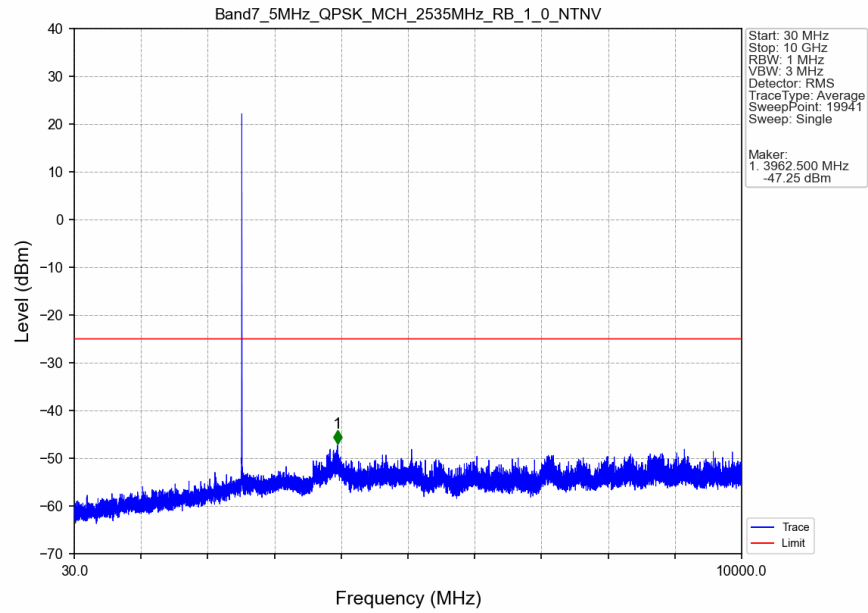
Band7 5MHz QPSK LCH 2502.5MHz RB 1 0 NTN



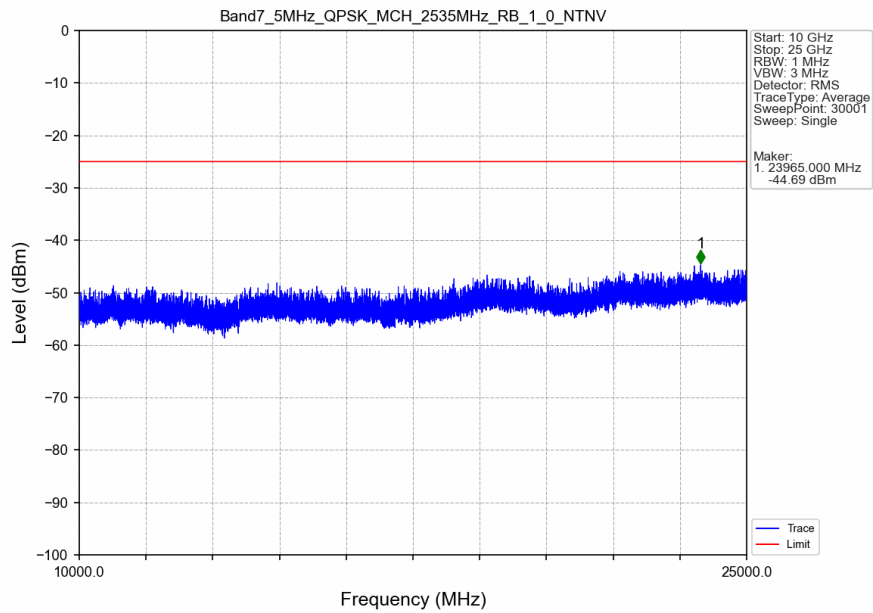
Band7 5MHz QPSK LCH 2502.5MHz RB 25 0 NTN



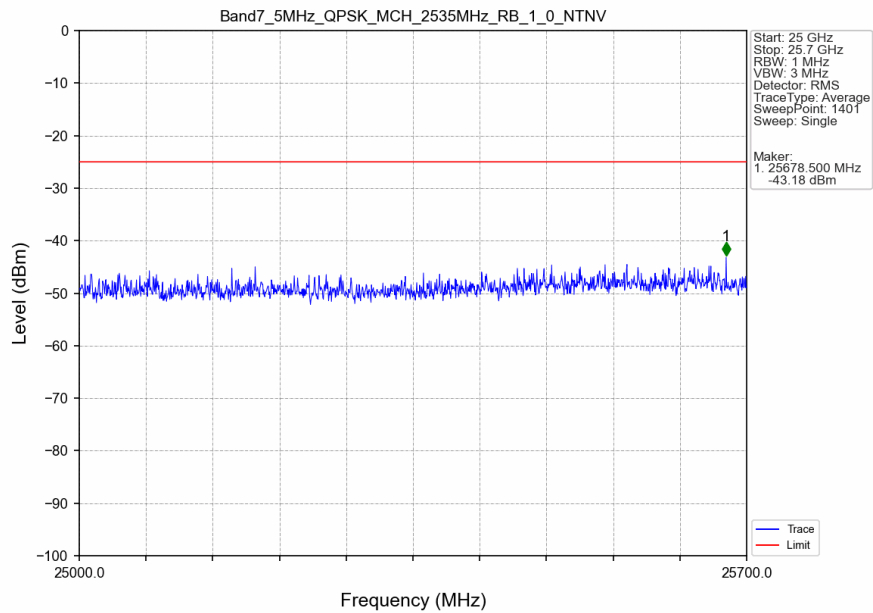
Band7 5MHz QPSK MCH 2535MHz RB 1 0 NTN



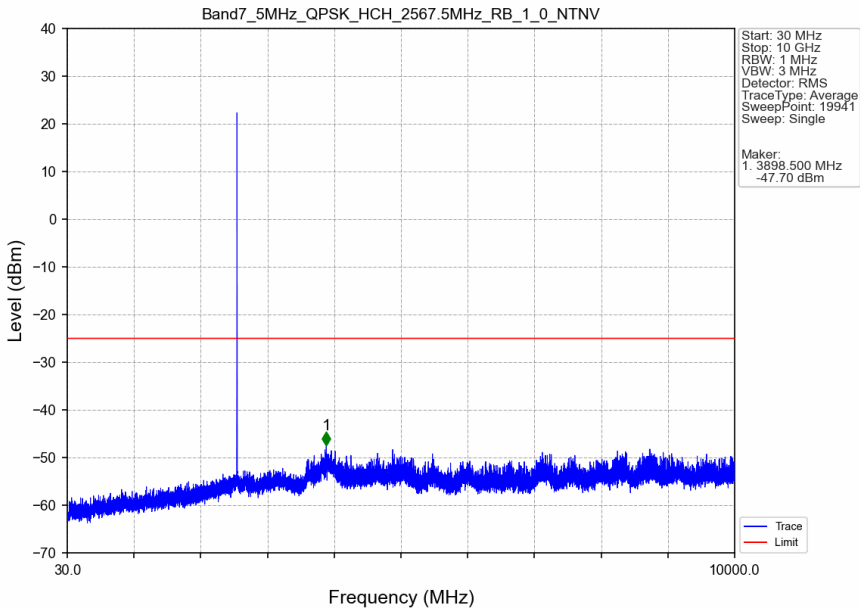
Band7 5MHz QPSK MCH 2535MHz RB 1 0 NTN



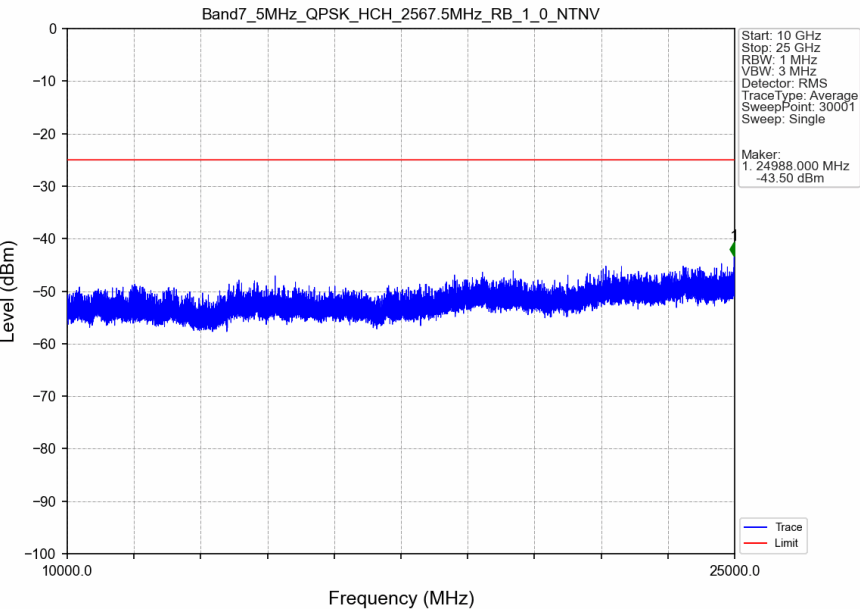
Band7 5MHz QPSK MCH 2535MHz RB 1 0 NTN



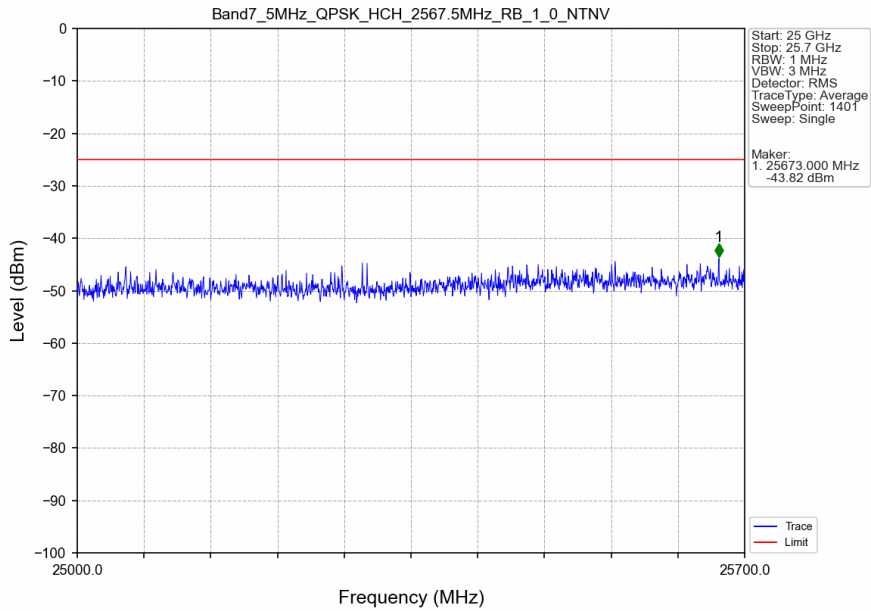
Band7 5MHz QPSK HCH 2567.5MHz RB 1 0 NTN



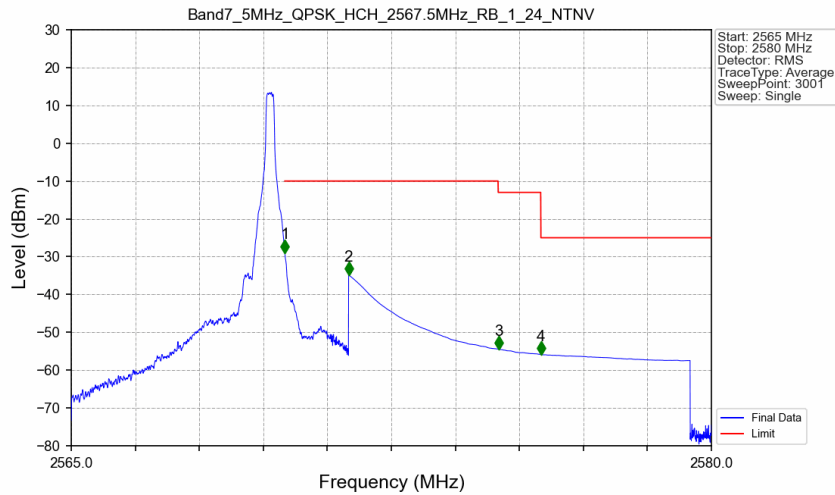
Band7 5MHz QPSK HCH 2567.5MHz RB 1 0 NTN



Band7 5MHz QPSK HCH 2567.5MHz RB 1 0 NTN

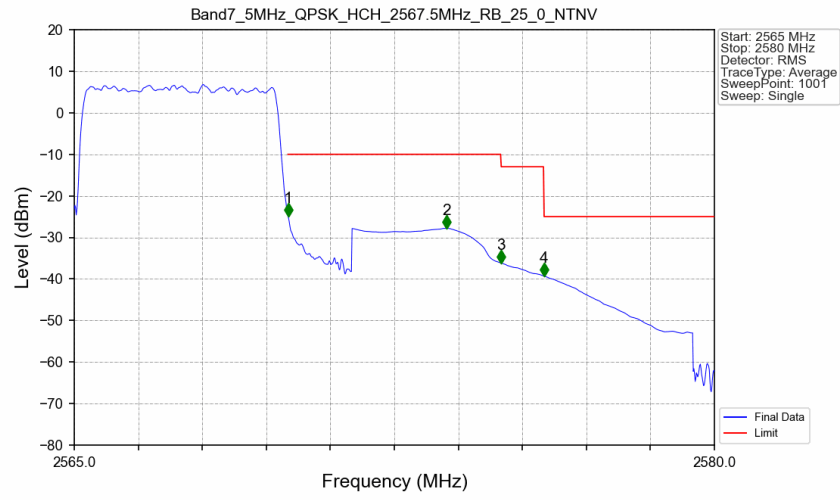


Band7_5MHz_QPSK_HCH_2567.5MHz_RB_1_24 NTN



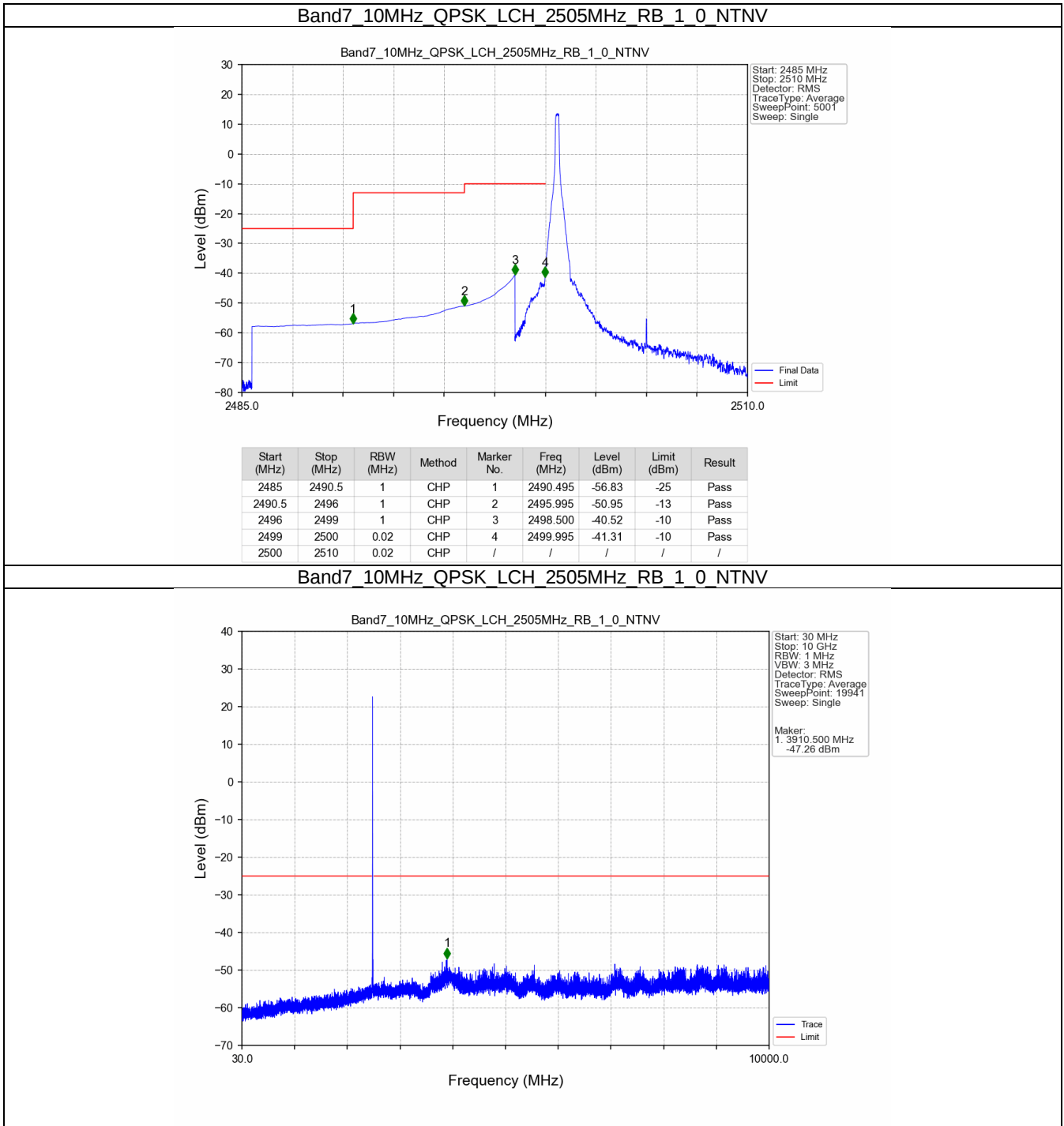
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2565	2570	0.02	CHP	/	/	/	/	/
2570	2571	0.02	CHP	1	2570.005	-28.95	-10	Pass
2571	2575	1	CHP	2	2571.500	-34.84	-10	Pass
2575	2576	1	CHP	3	2575.015	-54.48	-13	Pass
2576	2580	1	CHP	4	2576.005	-55.86	-25	Pass

Band7 5MHz QPSK HCH 2567.5MHz RB 25 0 NTN

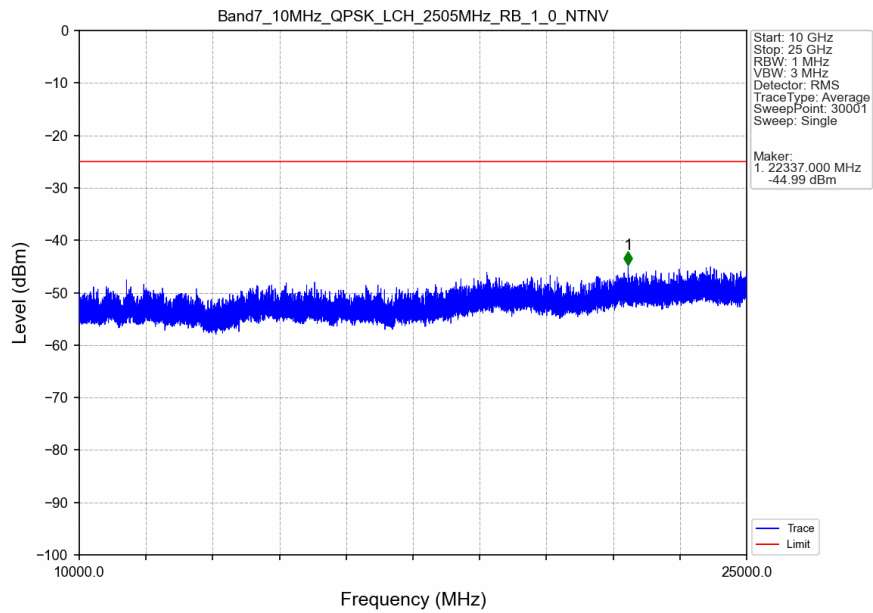


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2565	2570	0.105	CHP	/	/	/	/	/
2570	2571	0.105	CHP	1	2570.010	-24.93	-10	Pass
2571	2575	1	CHP	2	2573.730	-27.81	-10	Pass
2575	2576	1	CHP	3	2575.005	-36.18	-13	Pass
2576	2580	1	CHP	4	2576.010	-39.33	-25	Pass

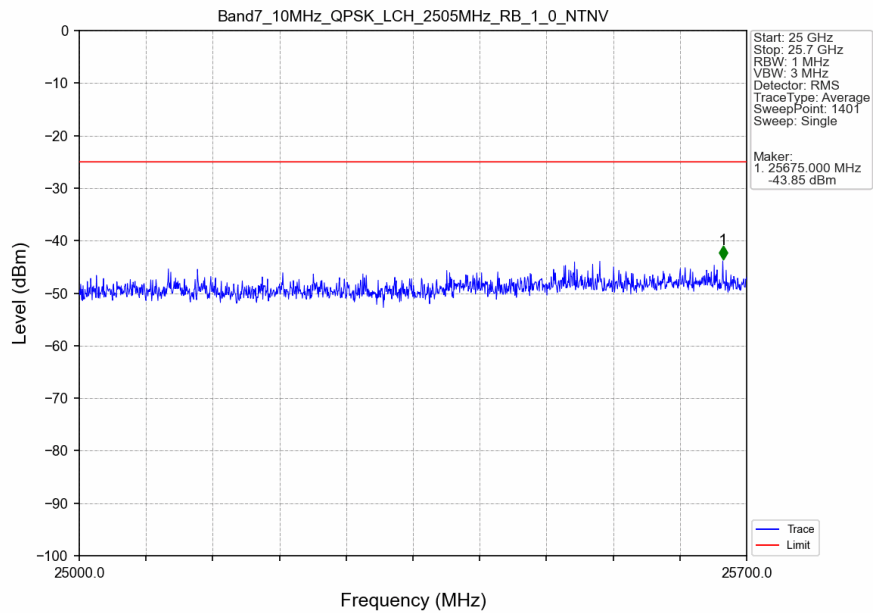
5.2.2 B7_10MHz



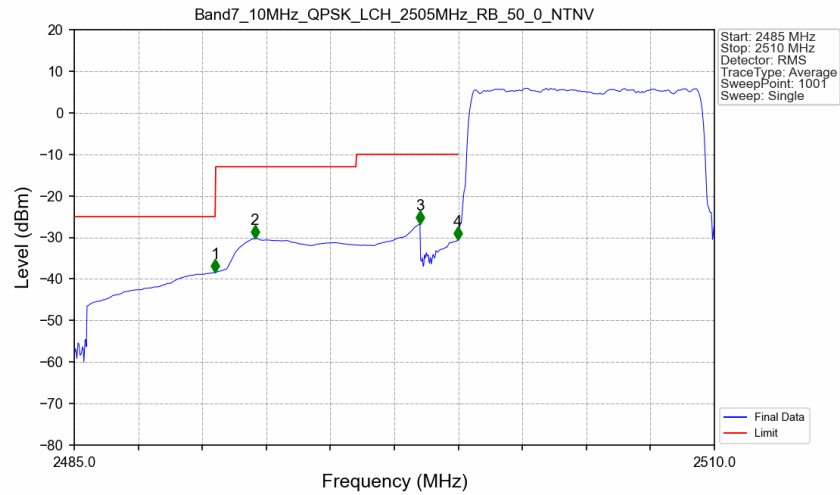
Band7 10MHz QPSK LCH 2505MHz RB 1 0 NTN



Band7 10MHz QPSK LCH 2505MHz RB 1 0 NTN

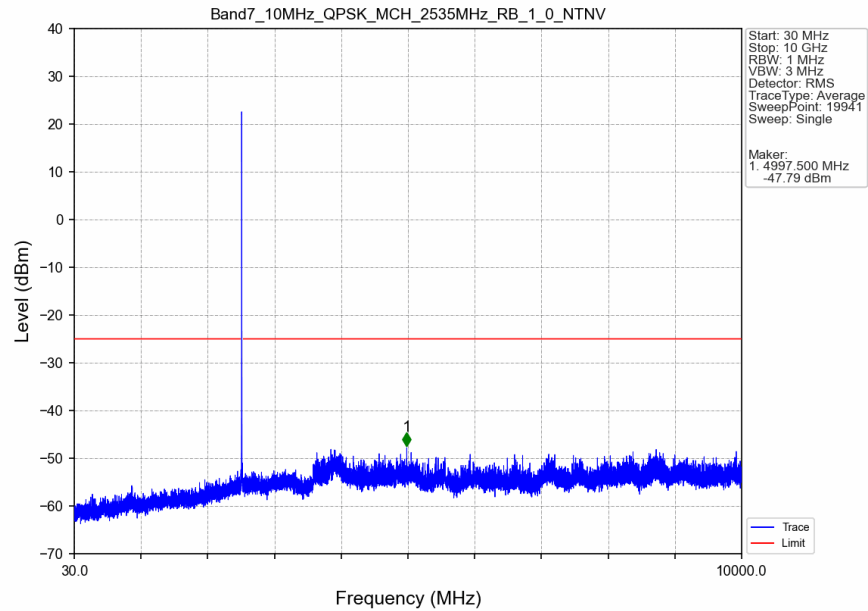


Band7 10MHz QPSK LCH 2505MHz RB 50 0 NTN

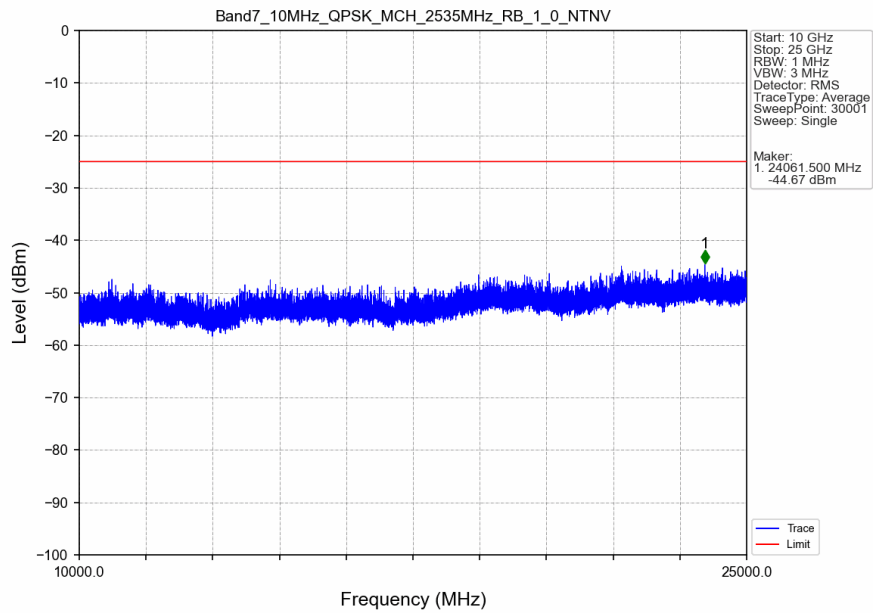


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2490.500	-38.49	-25	Pass
2490.5	2496	1	CHP	2	2492.050	-30.30	-13	Pass
2496	2499	1	CHP	3	2498.500	-26.78	-10	Pass
2499	2500	0.204	CHP	4	2499.975	-30.59	-10	Pass
2500	2510	0.204	CHP	/	/	/	/	/

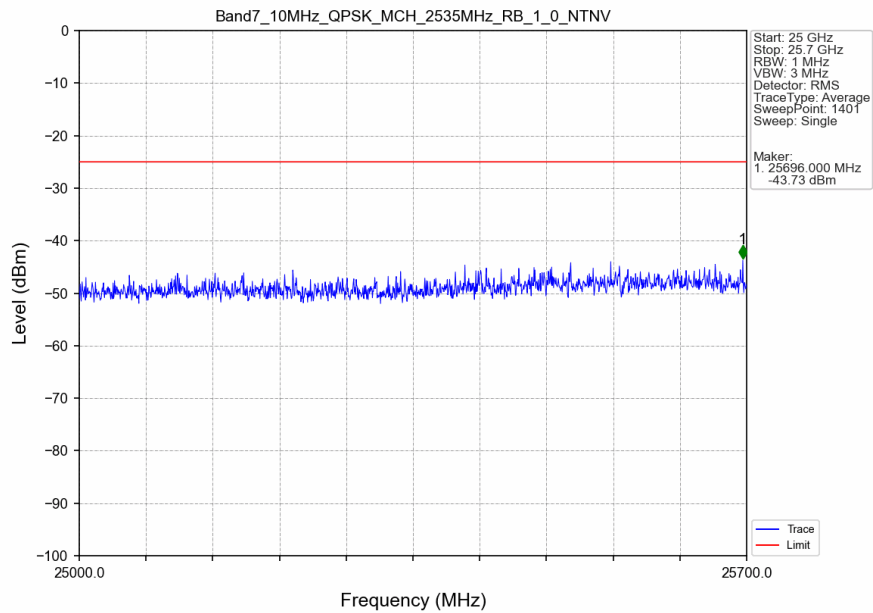
Band7 10MHz QPSK MCH 2535MHz RB 1 0 NTN



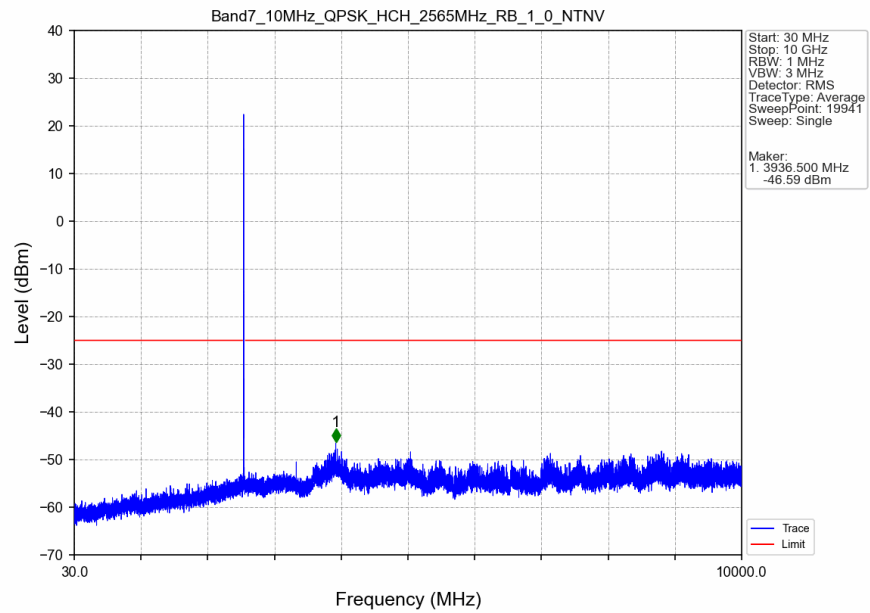
Band7 10MHz QPSK MCH 2535MHz RB 1 0 NTN



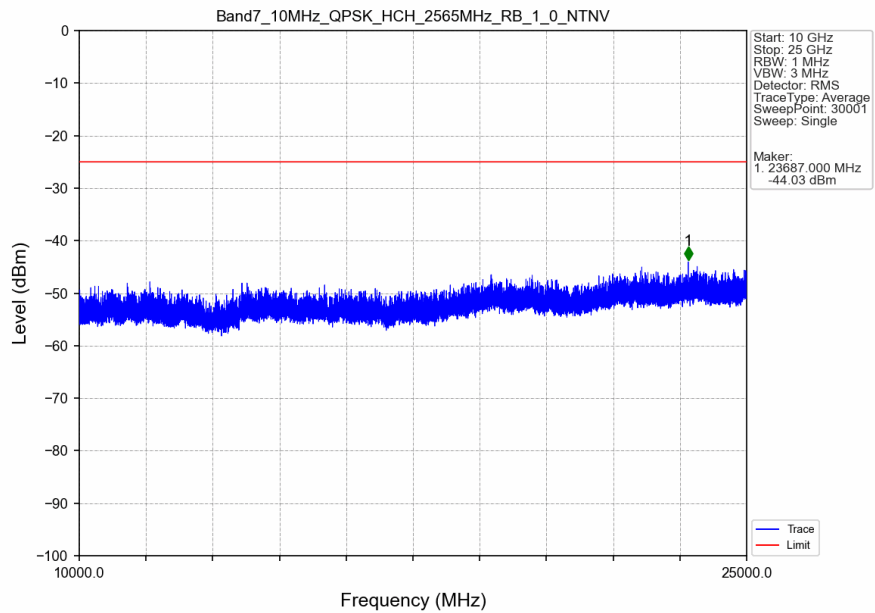
Band7 10MHz QPSK MCH 2535MHz RB 1 0 NTN



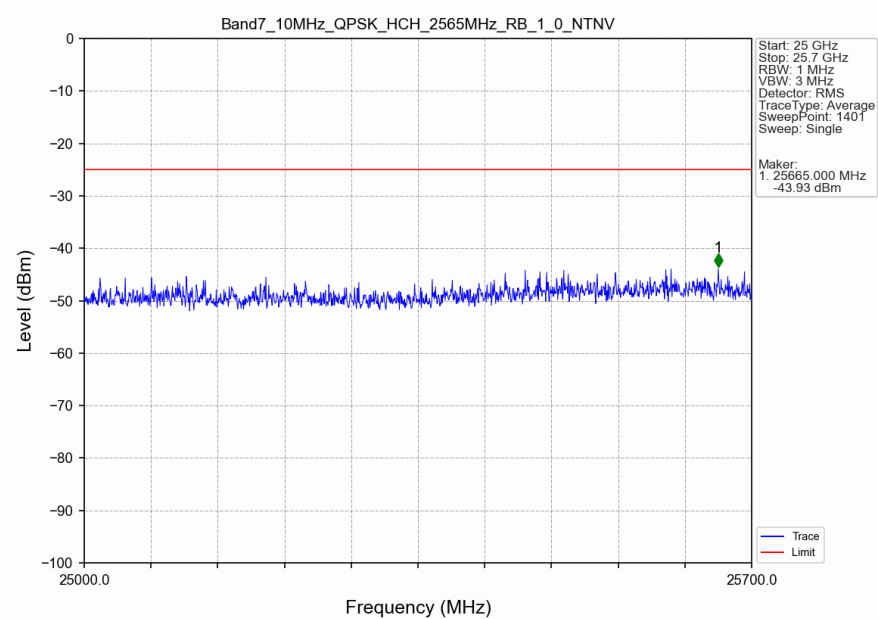
Band7_10MHz_QPSK_HCH_2565MHz_RB_1_0_NTNV



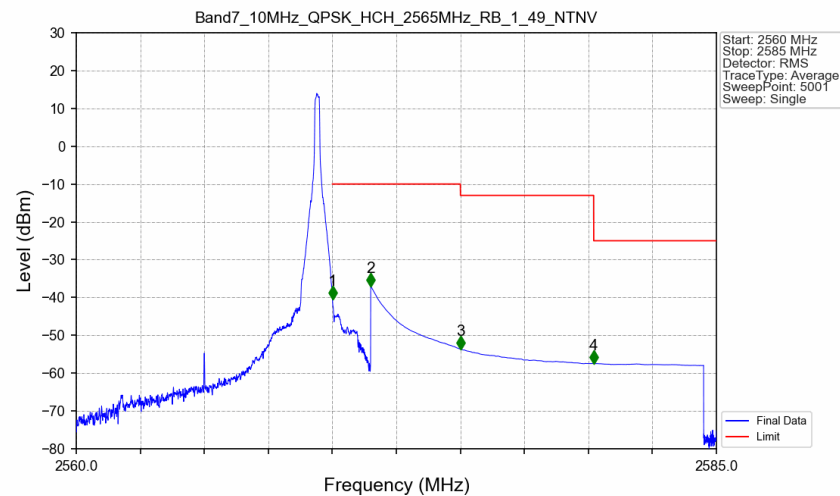
Band7_10MHz_QPSK_HCH_2565MHz_RB_1_0_NTNV



Band7_10MHz_QPSK_HCH_2565MHz_RB_1_0_NTNV

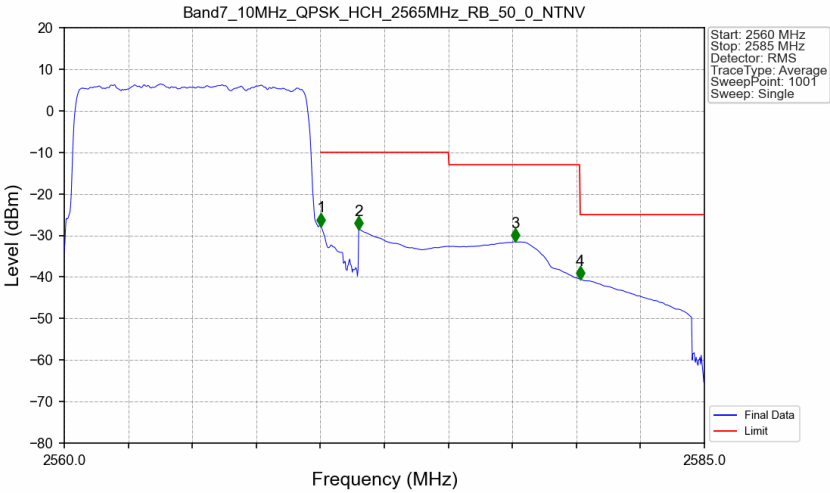


Band7_10MHz_QPSK_HCH_2565MHz_RB_1_49_NTNV



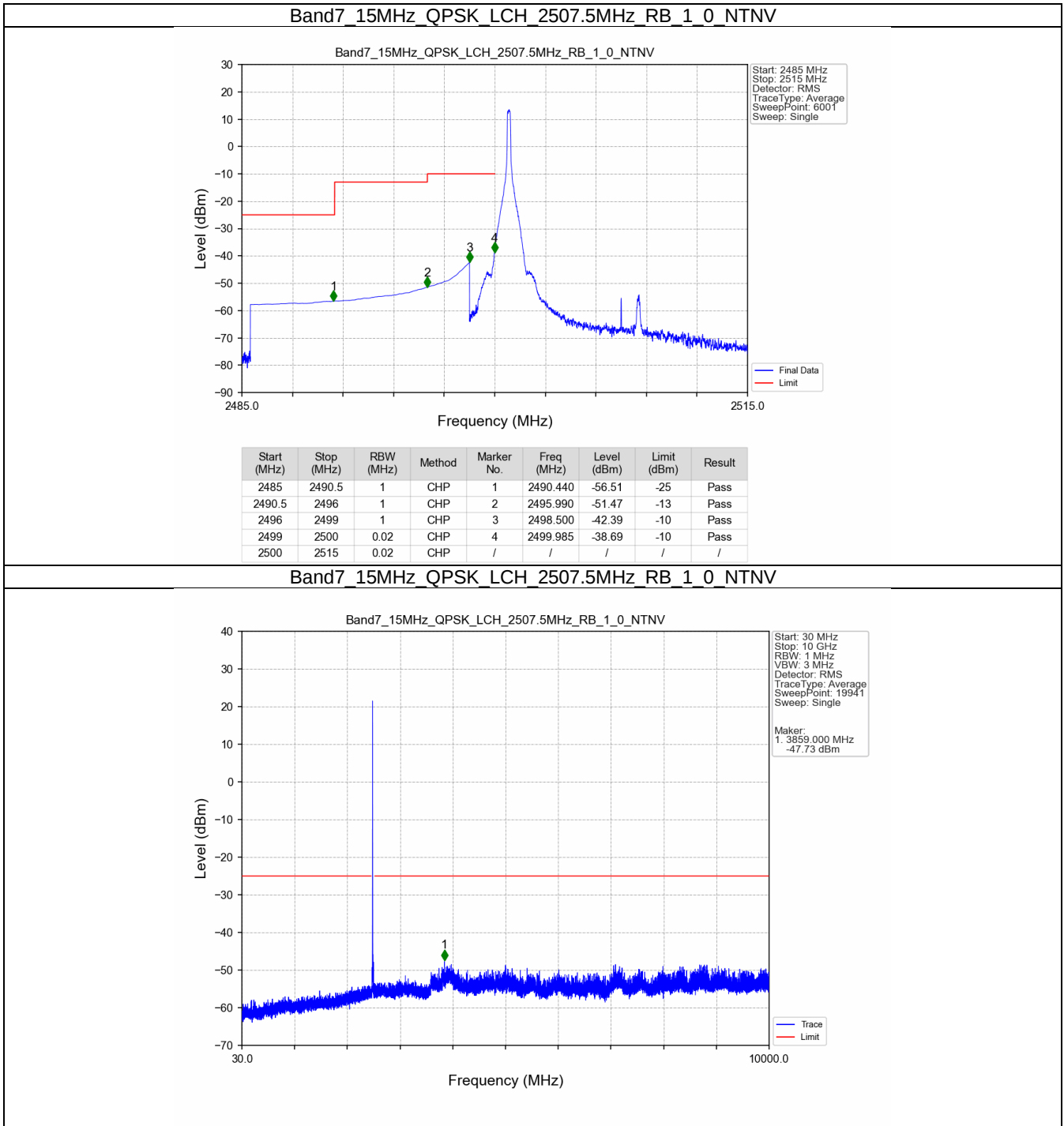
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2560	2570	0.02	CHP	/	/	/	/	/
2570	2571	0.02	CHP	1	2570.005	-40.47	-10	Pass
2571	2575	1	CHP	2	2571.500	-36.99	-10	Pass
2575	2580.205	1	CHP	3	2575.005	-53.62	-13	Pass
2580.205	2585	1	CHP	4	2580.210	-57.46	-25	Pass

Band7 10MHz QPSK HCH 2565MHz RB 50 0 NTNV

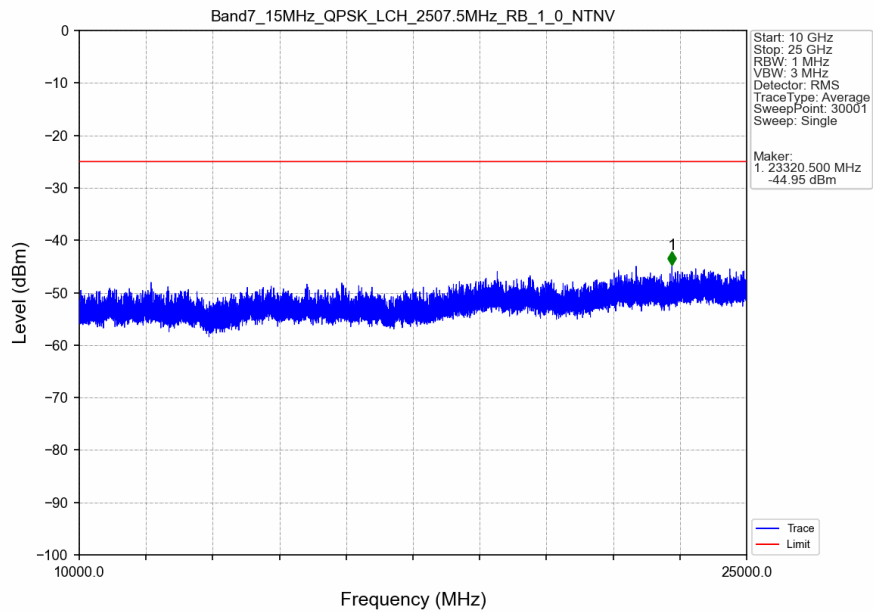


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2560	2570	0.203	CHP	/	/	/	/	/
2570	2571	0.203	CHP	1	2570.025	-27.76	-10	Pass
2571	2575	1	CHP	2	2571.500	-28.64	-10	Pass
2575	2580.137	1	CHP	3	2577.625	-31.52	-13	Pass
2580.137	2585	1	CHP	4	2580.150	-40.53	-25	Pass

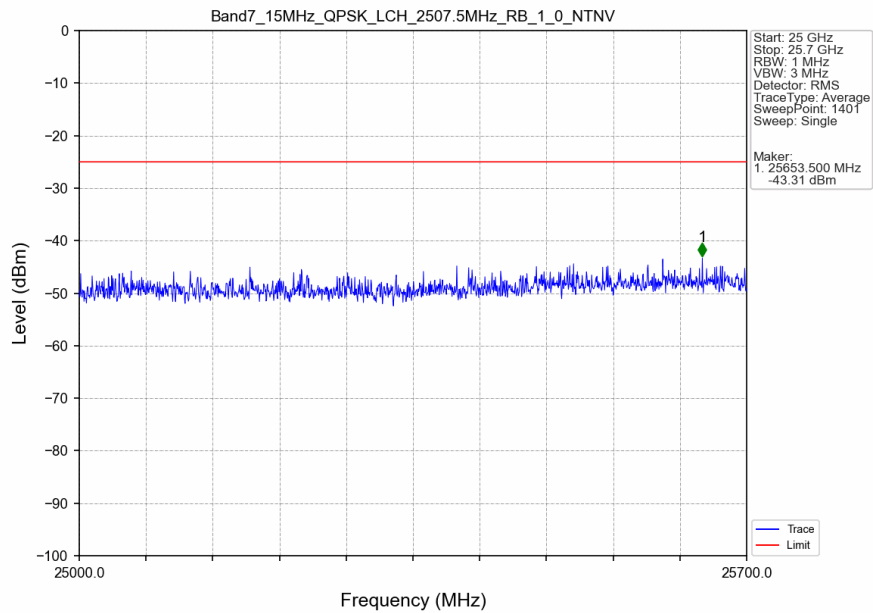
5.2.3 B7_15MHz



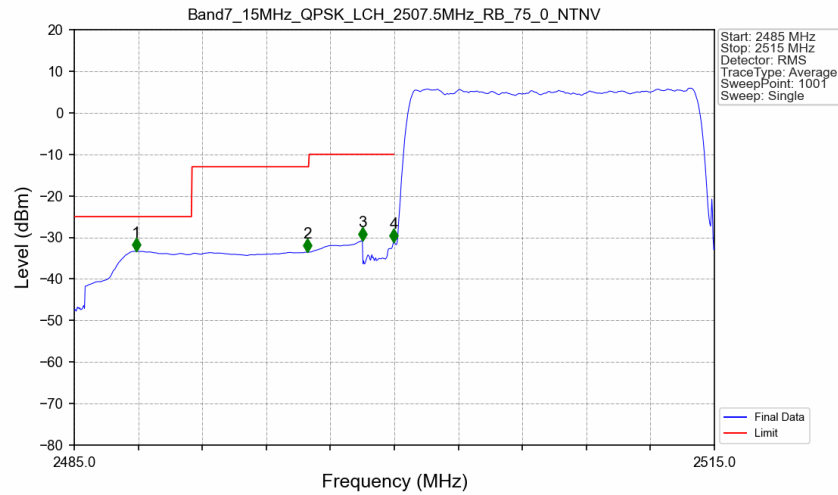
Band7 15MHz QPSK LCH 2507.5MHz RB 1 0 NTV



Band7 15MHz QPSK LCH 2507.5MHz RB 1 0 NTV

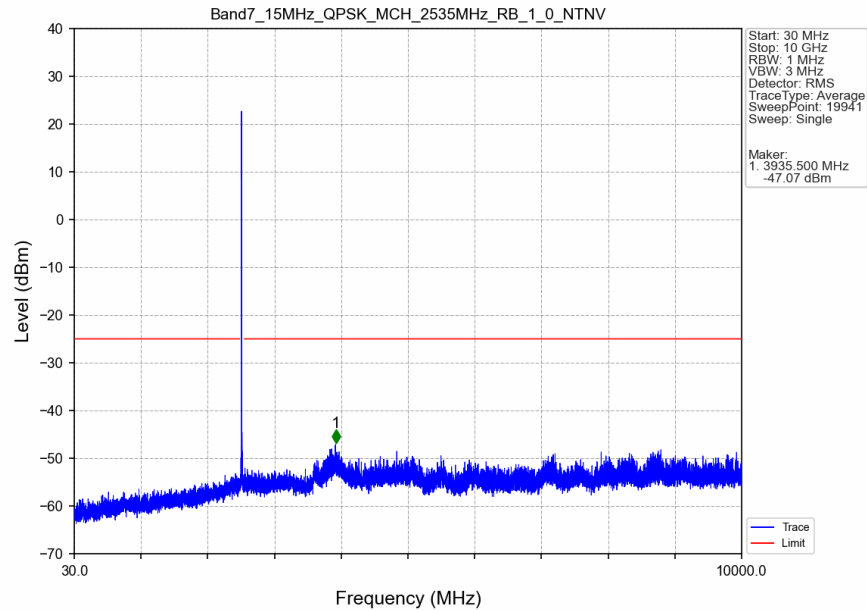


Band7_15MHz_QPSK_LCH_2507.5MHz_RB_75_0_NTNV

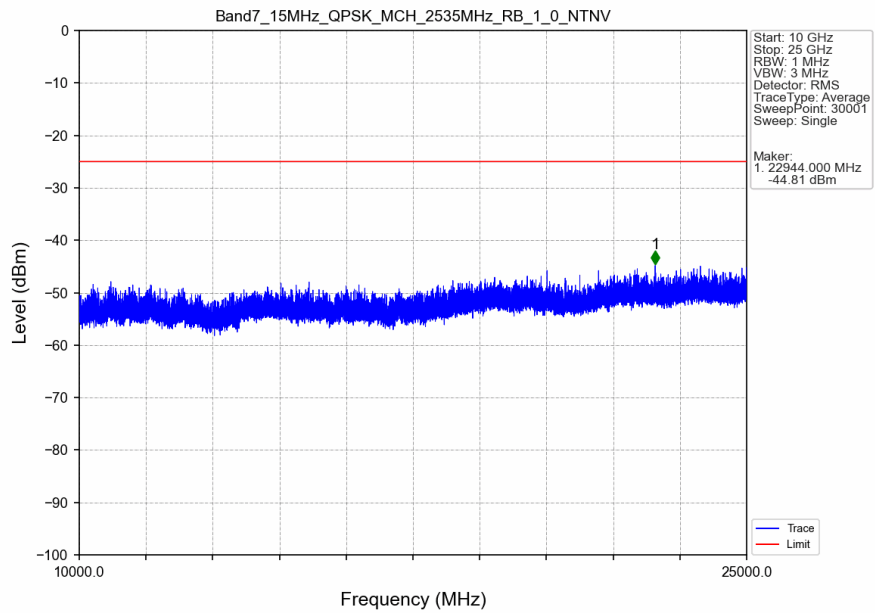


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2487.910	-33.31	-25	Pass
2490.5	2496	1	CHP	2	2495.920	-33.55	-13	Pass
2496	2499	1	CHP	3	2498.500	-30.75	-10	Pass
2499	2500	0.303	CHP	4	2499.970	-31.18	-10	Pass
2500	2515	0.303	CHP	/	/	/	/	/

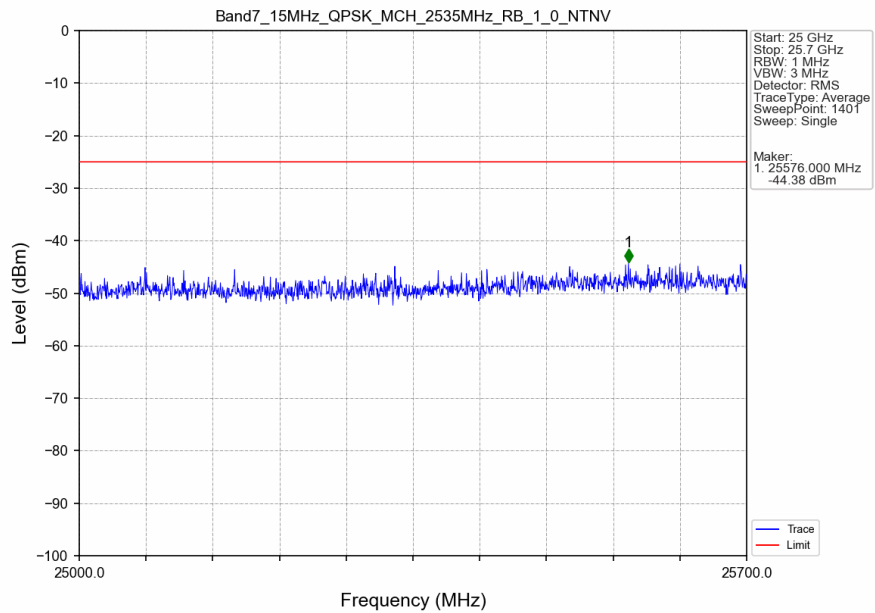
Band7_15MHz_QPSK_MCH_2535MHz_RB_1_0_NTNV



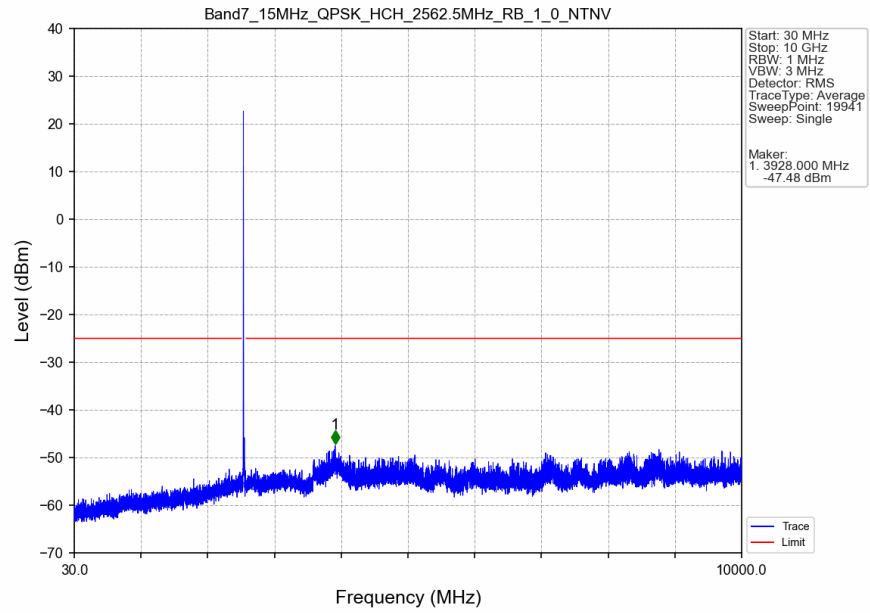
Band7 15MHz QPSK MCH 2535MHz RB 1 0 NTN



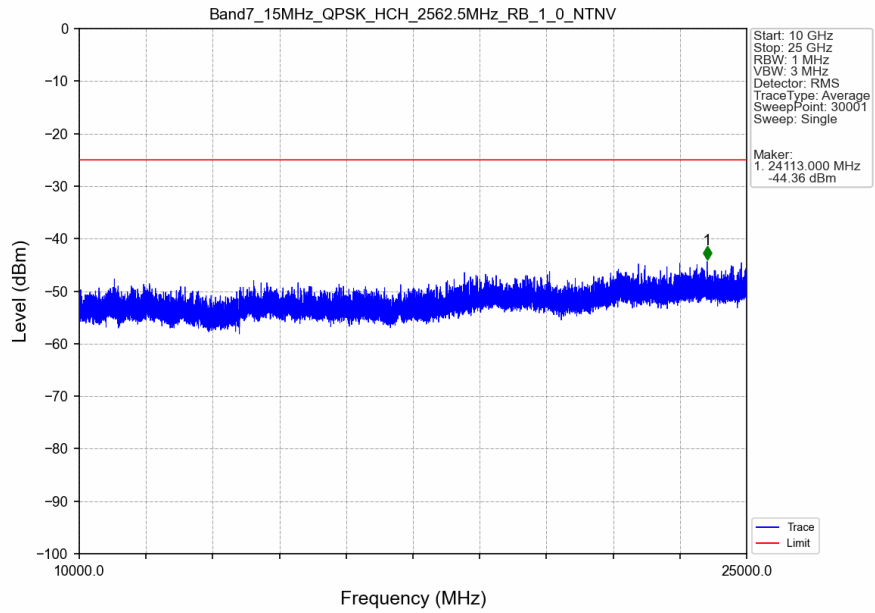
Band7 15MHz QPSK MCH 2535MHz RB 1 0 NTN



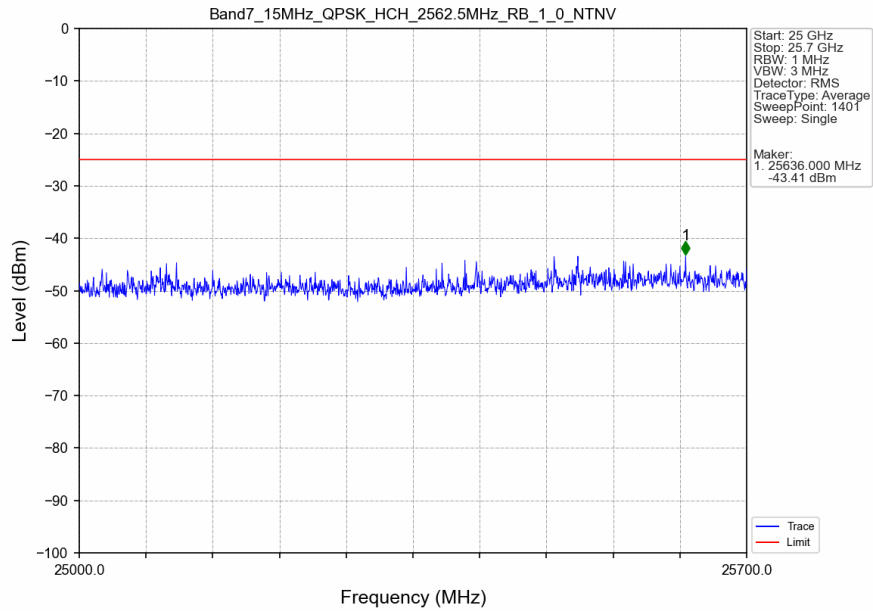
Band7_15MHz_QPSK_HCH_2562.5MHz_RB_1_0_NTNV



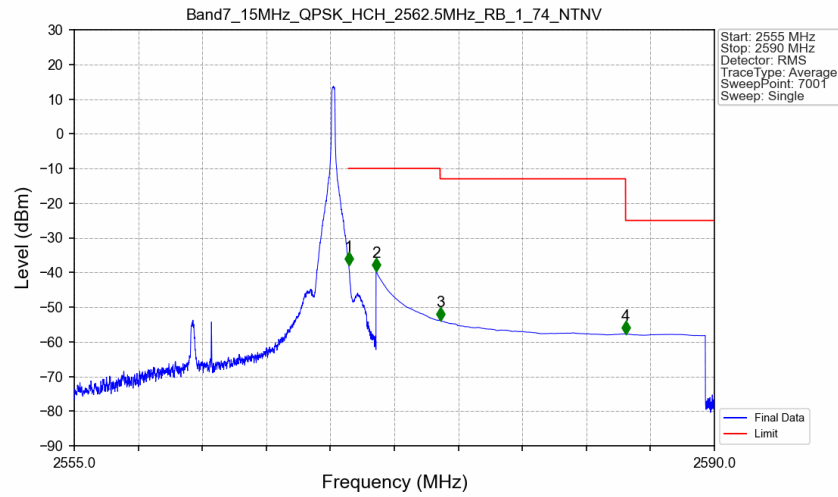
Band7_15MHz_QPSK_HCH_2562.5MHz_RB_1_0_NTNV



Band7 15MHz QPSK HCH 2562.5MHz RB 1 0 NTV

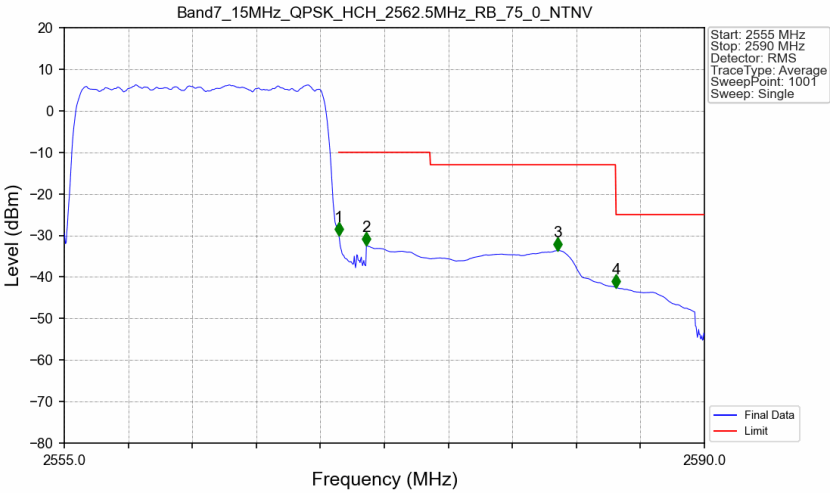


Band7 15MHz QPSK HCH 2562.5MHz RB 1 74 NTV



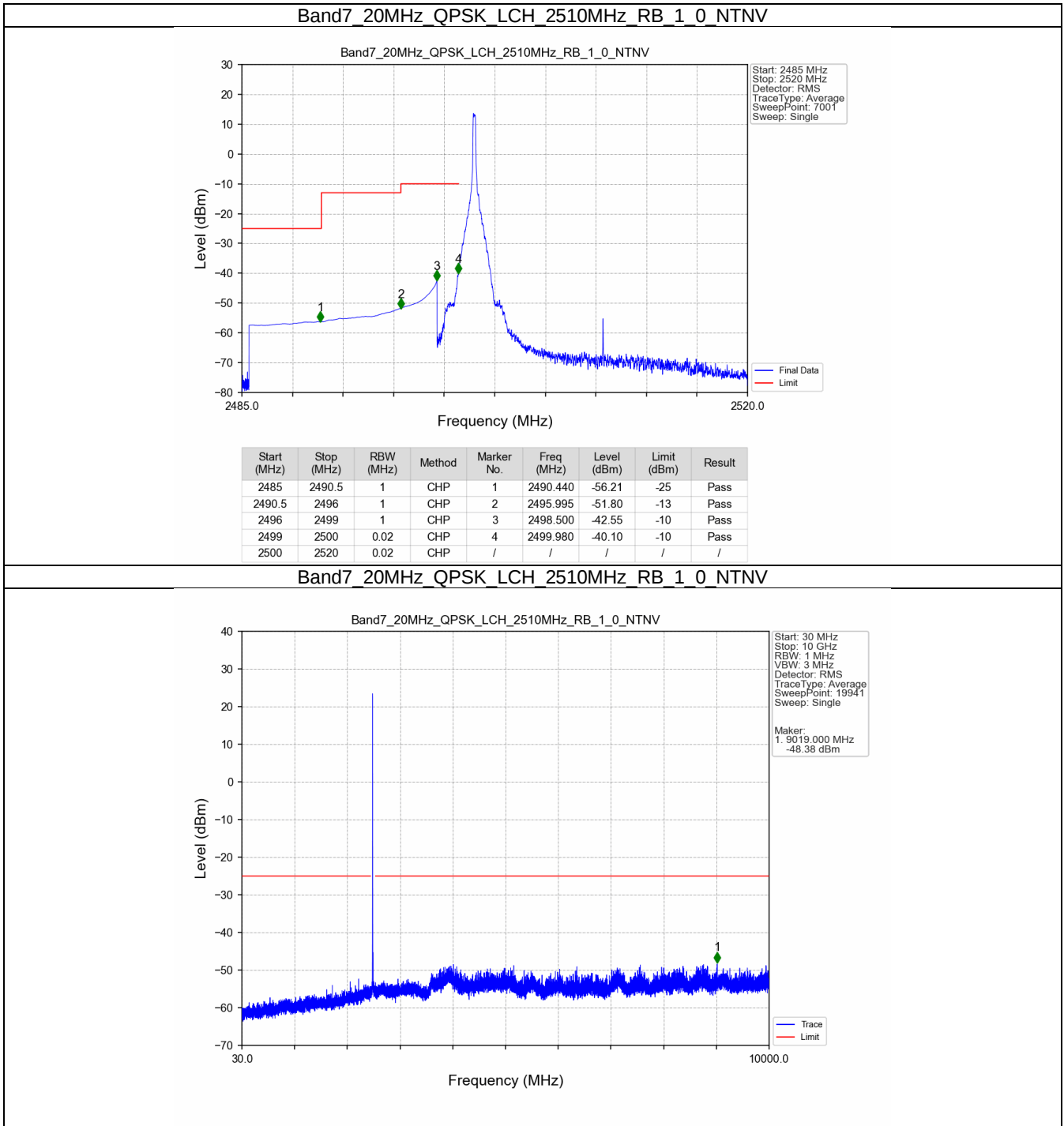
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2555	2570	0.02	CHP	/	/	/	/	/
2570	2571	0.02	CHP	1	2570.005	-37.81	-10	Pass
2571	2575	1	CHP	2	2571.500	-39.69	-10	Pass
2575	2585.144	1	CHP	3	2575.005	-53.91	-13	Pass
2585.144	2590	1	CHP	4	2585.145	-57.76	-25	Pass

Band7_15MHz_QPSK_HCH_2562.5MHz_RB_75_0_NTNV

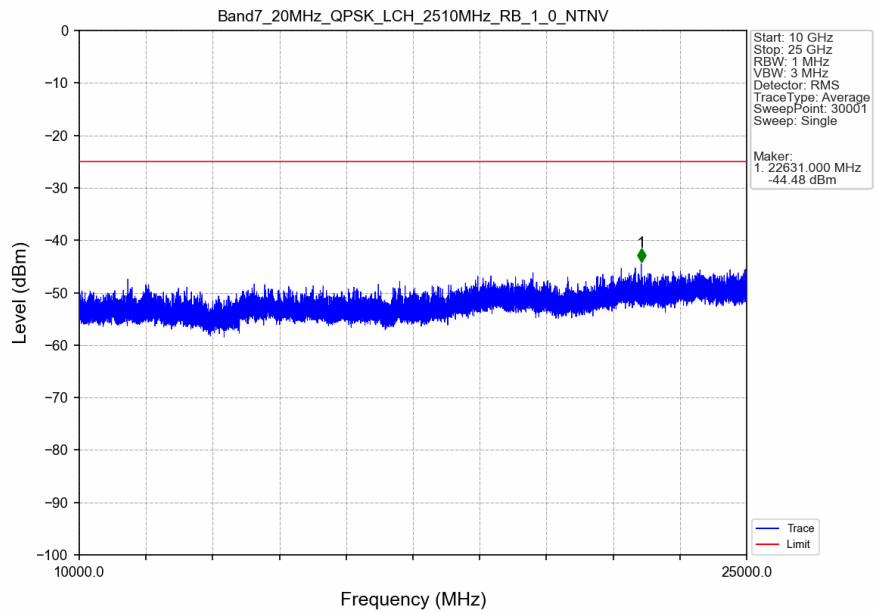


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2555	2570	0.303	CHP	/	/	/	/	/
2570	2571	0.303	CHP	1	2570.015	-30.05	-10	Pass
2571	2575	1	CHP	2	2571.520	-32.49	-10	Pass
2575	2585.144	1	CHP	3	2581.985	-33.60	-13	Pass
2585.144	2590	1	CHP	4	2585.170	-42.53	-25	Pass

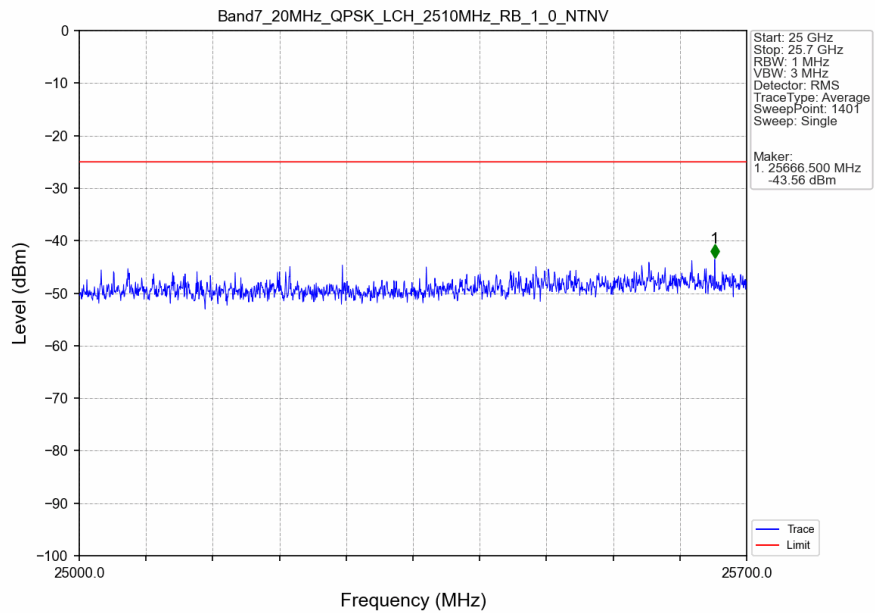
5.2.4 B7_20MHz



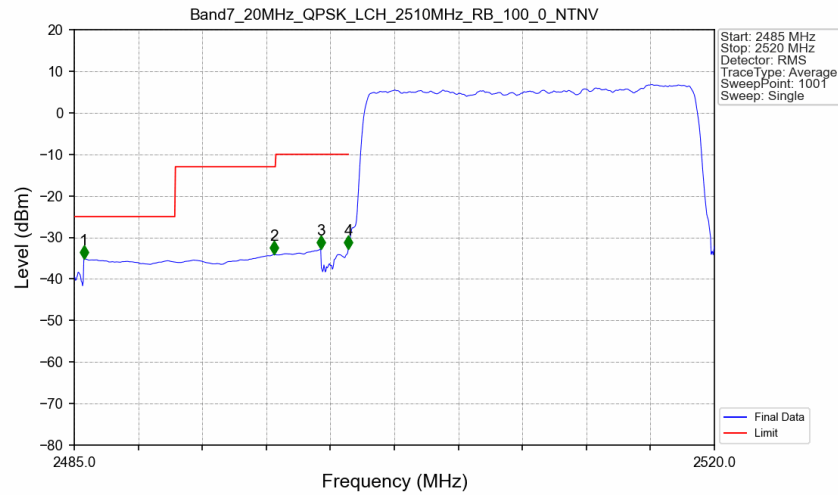
Band7 20MHz QPSK LCH 2510MHz RB 1 0 NTN



Band7 20MHz QPSK LCH 2510MHz RB 1 0 NTN

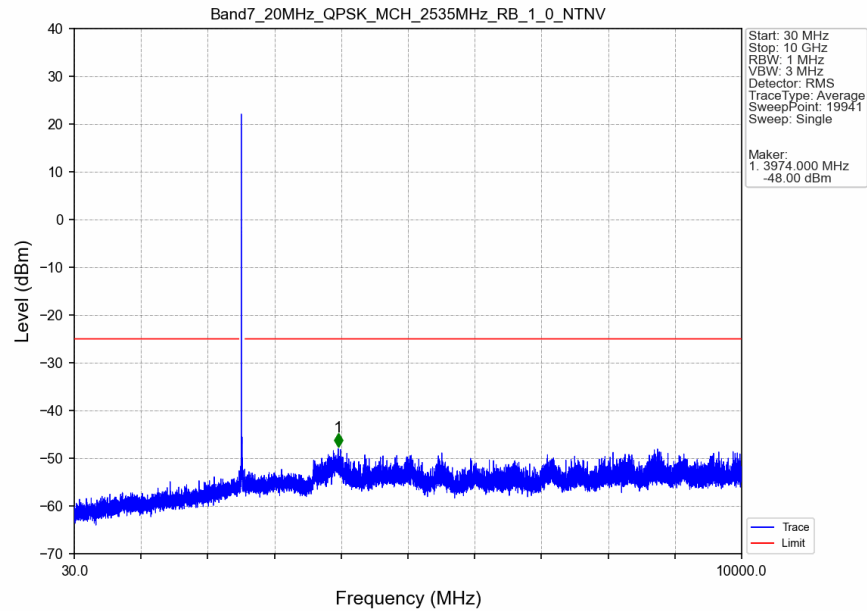


Band7 20MHz QPSK LCH 2510MHz RB 100 0 NTV

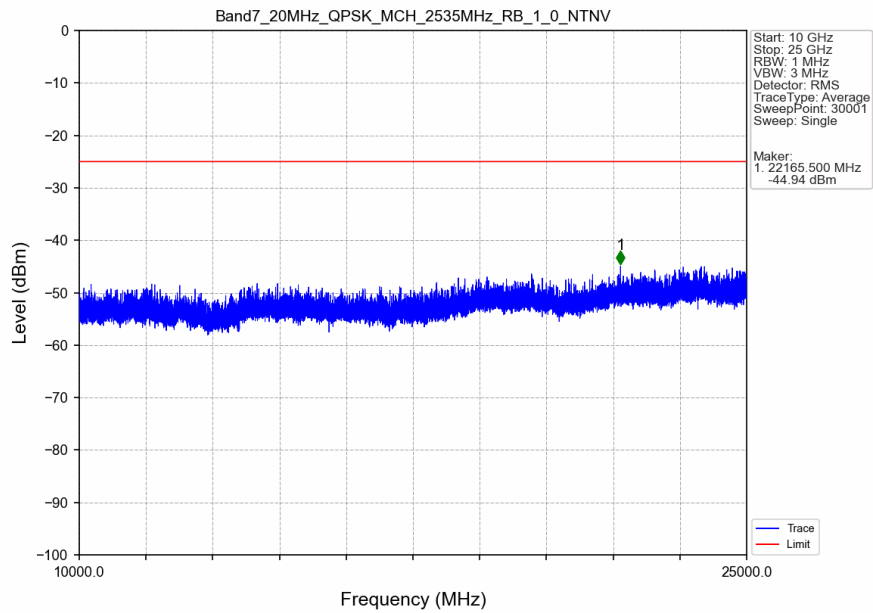


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2485.525	-35.10	-25	Pass
2490.5	2496	1	CHP	2	2495.920	-34.12	-13	Pass
2496	2499	1	CHP	3	2498.475	-32.82	-10	Pass
2499	2500	0.4	CHP	4	2499.980	-32.79	-10	Pass
2500	2520	0.4	CHP	/	/	/	/	/

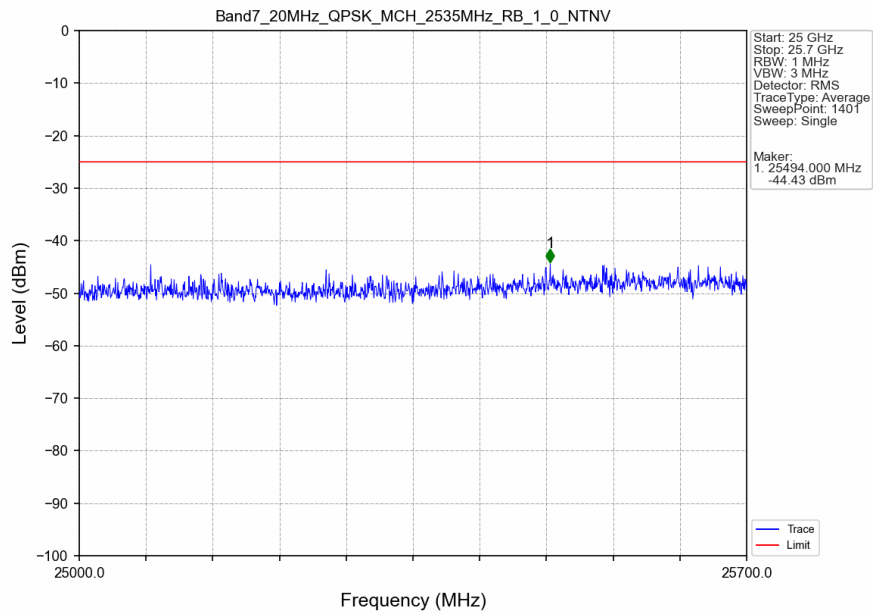
Band7 20MHz QPSK MCH 2535MHz RB 1 0 NTV



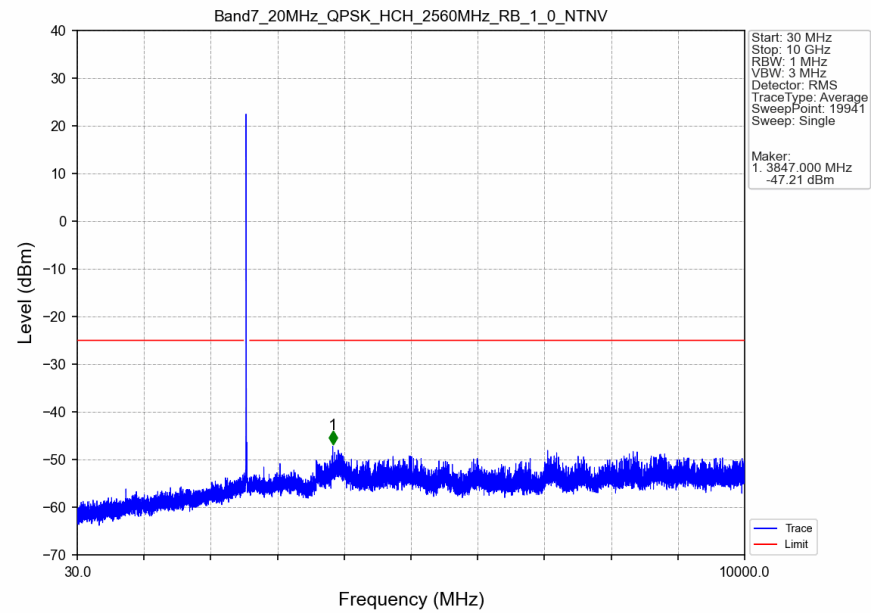
Band7 20MHz QPSK MCH 2535MHz RB 1 0 NTN



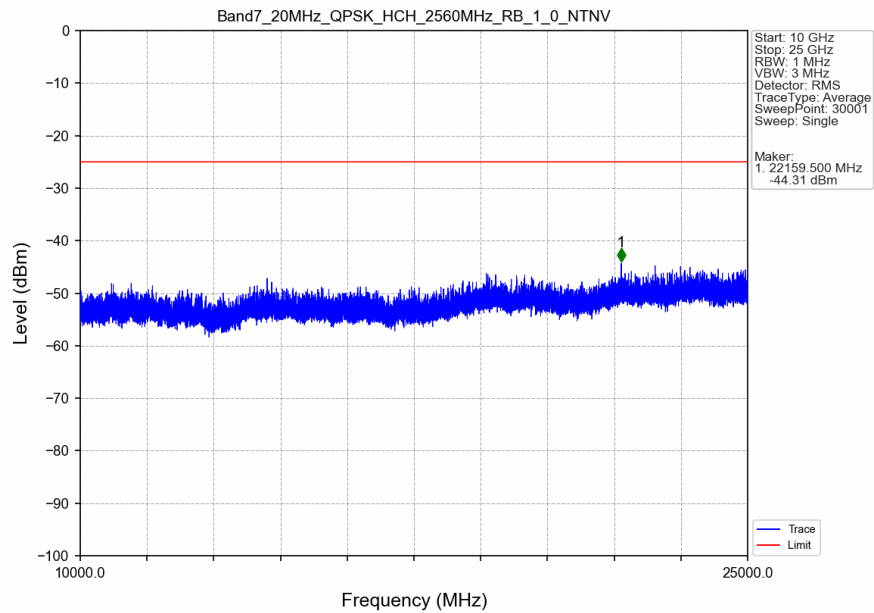
Band7 20MHz QPSK MCH 2535MHz RB 1 0 NTN



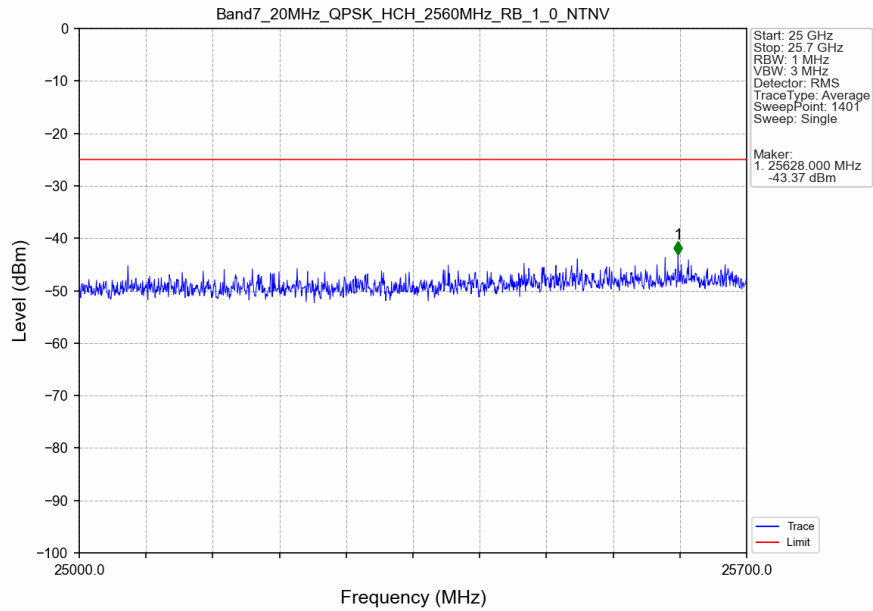
Band7_20MHz_QPSK_HCH_2560MHz_RB_1_0_NTNV



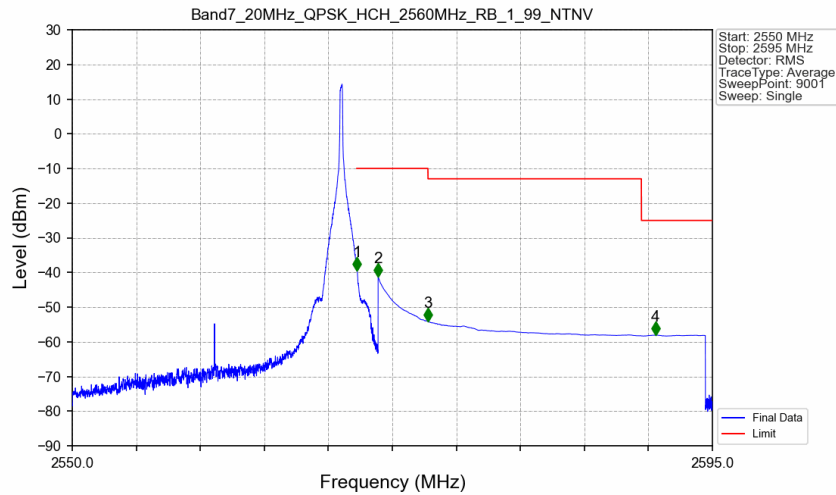
Band7_20MHz_QPSK_HCH_2560MHz_RB_1_0_NTNV



Band7 20MHz QPSK HCH 2560MHz RB 1 0 NTN

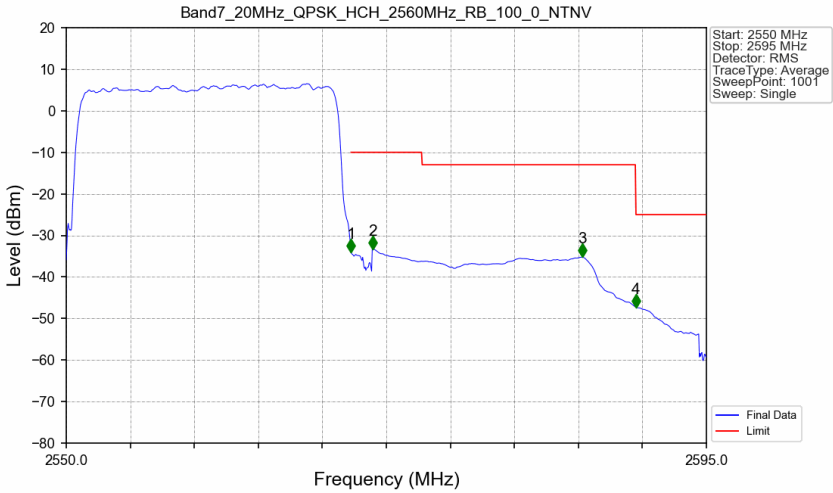


Band7 20MHz QPSK HCH 2560MHz RB 1 99 NTN



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2550	2570	0.02	CHP	/	/	/	/	/
2570	2571	0.02	CHP	1	2570.025	-39.39	-10	Pass
2571	2575	1	CHP	2	2571.500	-41.15	-10	Pass
2575	2590.009	1	CHP	3	2575.005	-54.15	-13	Pass
2590.009	2595	1	CHP	4	2591.000	-58.08	-25	Pass

Band7 20MHz QPSK HCH 2560MHz RB 100 0 NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2550	2570	0.4	CHP	/	/	/	/	/
2570	2571	0.4	CHP	1	2570.025	-33.98	-10	Pass
2571	2575	1	CHP	2	2571.555	-33.29	-10	Pass
2575	2590.009	1	CHP	3	2586.270	-35.22	-13	Pass
2590.009	2595	1	CHP	4	2590.050	-47.29	-25	Pass

6. Field Strength of Spurious Radiation

LTE Band 7-Low channel, Modulation: QPSK, Bandwidth:20MHz, 1RB#0								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
5002.0	-53.97	-25	-28.97	-59.54	4.57	10.14	Horizontal	Pass
7503.0	-54.97	-25	-29.97	-61.77	4.94	11.74	Horizontal	Pass
10004.0	-55.06	-25	-30.06	-62.63	5.46	13.03	Horizontal	Pass
5002.0	-54.74	-25	-29.74	-60.31	4.57	10.14	Vertical	Pass
7503.0	-54.28	-25	-29.28	-61.08	4.94	11.74	Vertical	Pass
10004.0	-51.23	-25	-26.23	-58.8	5.46	13.03	Vertical	Pass

LTE Band 7-Middle channel, Modulation: QPSK, Bandwidth:20MHz, 1RB#0								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
5052.0	-53.63	-25	-28.63	-59.21	4.59	10.17	Horizontal	Pass
7578.0	-56.07	-25	-31.07	-62.95	4.95	11.83	Horizontal	Pass
10104.0	-53.81	-25	-28.81	-61.38	5.48	13.05	Horizontal	Pass
5052.0	-56.0	-25	-31.0	-61.58	4.59	10.17	Vertical	Pass
7578.0	-54.3	-25	-29.3	-61.18	4.95	11.83	Vertical	Pass
10104.0	-55.43	-25	-30.43	-63.0	5.48	13.05	Vertical	Pass

LTE Band 7-High channel, Modulation: QPSK, Bandwidth:20MHz, 1RB#0								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
5102.0	-55.6	-25	-30.6	-61.2	4.6	10.2	Horizontal	Pass
7653.0	-52.64	-25	-27.64	-59.61	4.95	11.92	Horizontal	Pass
10204.0	-53.25	-25	-28.25	-60.83	5.49	13.07	Horizontal	Pass
5102.0	-54.68	-25	-29.68	-60.28	4.6	10.2	Vertical	Pass
7653.0	-53.02	-25	-28.02	-59.99	4.95	11.92	Vertical	Pass
10204.0	-51.87	-25	-26.87	-59.45	5.49	13.07	Vertical	Pass