

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	23.05	-2.50	20.55	<=33.01	Pass
			13	23.15	-2.50	20.65	<=33.01	Pass
			24	23.10	-2.50	20.60	<=33.01	Pass
		12	0	22.22	-2.50	19.72	<=33.01	Pass
			6	22.26	-2.50	19.76	<=33.01	Pass
			13	22.21	-2.50	19.71	<=33.01	Pass
		25	0	22.12	-2.50	19.62	<=33.01	Pass
	2535	1	0	23.20	-2.50	20.70	<=33.01	Pass
			13	23.41	-2.50	20.91	<=33.01	Pass
			24	23.16	-2.50	20.66	<=33.01	Pass
		12	0	22.13	-2.50	19.63	<=33.01	Pass
			6	22.24	-2.50	19.74	<=33.01	Pass
			13	22.13	-2.50	19.63	<=33.01	Pass
		25	0	22.12	-2.50	19.62	<=33.01	Pass
	2567.5	1	0	23.19	-2.50	20.69	<=33.01	Pass
			13	23.28	-2.50	20.78	<=33.01	Pass
			24	23.25	-2.50	20.75	<=33.01	Pass
		12	0	22.25	-2.50	19.75	<=33.01	Pass
			6	22.41	-2.50	19.91	<=33.01	Pass
			13	22.28	-2.50	19.78	<=33.01	Pass
		25	0	22.24	-2.50	19.74	<=33.01	Pass
16QAM	2502.5	1	0	22.46	-2.50	19.96	<=33.01	Pass
			13	22.65	-2.50	20.15	<=33.01	Pass
			24	22.56	-2.50	20.06	<=33.01	Pass
		12	0	21.14	-2.50	18.64	<=33.01	Pass
			6	21.33	-2.50	18.83	<=33.01	Pass
			13	21.15	-2.50	18.65	<=33.01	Pass
		25	0	21.07	-2.50	18.57	<=33.01	Pass
	2535	1	0	22.38	-2.50	19.88	<=33.01	Pass
			13	22.31	-2.50	19.81	<=33.01	Pass
			24	22.55	-2.50	20.05	<=33.01	Pass
		12	0	21.18	-2.50	18.68	<=33.01	Pass
			6	21.17	-2.50	18.67	<=33.01	Pass
			13	21.15	-2.50	18.65	<=33.01	Pass
		25	0	21.13	-2.50	18.63	<=33.01	Pass
	2567.5	1	0	22.48	-2.50	19.98	<=33.01	Pass
			13	22.37	-2.50	19.87	<=33.01	Pass
			24	22.32	-2.50	19.82	<=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	21.30	-2.50	18.80	<=33.01	Pass
		25	0	21.27	-2.50	18.77	<=33.01	Pass
64QAM	2502.5	1	0	22.00	-2.50	19.50	<=33.01	Pass
			13	22.14	-2.50	19.64	<=33.01	Pass
			24	22.10	-2.50	19.60	<=33.01	Pass
		12	0	21.10	-2.50	18.60	<=33.01	Pass
			6	21.32	-2.50	18.82	<=33.01	Pass

			13	21.29	-2.50	18.79	<=33.01	Pass
		25	0	21.17	-2.50	18.67	<=33.01	Pass
	2535	1	0	22.01	-2.50	19.51	<=33.01	Pass
			13	22.22	-2.50	19.72	<=33.01	Pass
			24	21.76	-2.50	19.26	<=33.01	Pass
			0	21.14	-2.50	18.64	<=33.01	Pass
		12	6	21.24	-2.50	18.74	<=33.01	Pass
			13	21.23	-2.50	18.73	<=33.01	Pass
			25	0	21.11	-2.50	18.61	<=33.01
	2567.5	1	0	21.85	-2.50	19.35	<=33.01	Pass
			13	21.99	-2.50	19.49	<=33.01	Pass
			24	22.17	-2.50	19.67	<=33.01	Pass
		12	0	21.07	-2.50	18.57	<=33.01	Pass
			6	21.37	-2.50	18.87	<=33.01	Pass
			13	21.30	-2.50	18.80	<=33.01	Pass
		25	0	21.27	-2.50	18.77	<=33.01	Pass

256QAM	2502.5	1	0	18.09	-2.50	15.59	<=33.01	Pass
			13	18.27	-2.50	15.77	<=33.01	Pass
			24	18.16	-2.50	15.66	<=33.01	Pass
		12	0	18.18	-2.50	15.68	<=33.01	Pass
			6	18.18	-2.50	15.68	<=33.01	Pass
			13	18.11	-2.50	15.61	<=33.01	Pass
		25	0	18.18	-2.50	15.68	<=33.01	Pass
	2535	1	0	18.03	-2.50	15.53	<=33.01	Pass
			13	18.30	-2.50	15.80	<=33.01	Pass
			24	18.01	-2.50	15.51	<=33.01	Pass
		12	0	18.05	-2.50	15.55	<=33.01	Pass
			6	18.13	-2.50	15.63	<=33.01	Pass
			13	18.20	-2.50	15.70	<=33.01	Pass
		25	0	18.09	-2.50	15.59	<=33.01	Pass
	2567.5	1	0	18.14	-2.50	15.64	<=33.01	Pass
			13	18.04	-2.50	15.54	<=33.01	Pass
			24	17.98	-2.50	15.48	<=33.01	Pass
		12	0	18.23	-2.50	15.73	<=33.01	Pass
			6	18.34	-2.50	15.84	<=33.01	Pass
			13	18.26	-2.50	15.76	<=33.01	Pass
		25	0	18.23	-2.50	15.73	<=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	23.22	-2.50	20.72	<=33.01	Pass
			25	23.29	-2.50	20.79	<=33.01	Pass
			49	23.19	-2.50	20.69	<=33.01	Pass
		25	0	22.24	-2.50	19.74	<=33.01	Pass
			13	22.24	-2.50	19.74	<=33.01	Pass
			25	22.17	-2.50	19.67	<=33.01	Pass
	2535	50	0	22.22	-2.50	19.72	<=33.01	Pass
		1	0	23.13	-2.50	20.63	<=33.01	Pass
			25	23.27	-2.50	20.77	<=33.01	Pass
			49	23.25	-2.50	20.75	<=33.01	Pass
		25	0	22.18	-2.50	19.68	<=33.01	Pass
			13	22.08	-2.50	19.58	<=33.01	Pass
			25	22.16	-2.50	19.66	<=33.01	Pass
		50	0	22.13	-2.50	19.63	<=33.01	Pass

	2565	1	0	23.17	-2.50	20.67	<=33.01	Pass
			25	23.37	-2.50	20.87	<=33.01	Pass
			49	23.18	-2.50	20.68	<=33.01	Pass
		25	0	22.27	-2.50	19.77	<=33.01	Pass
			13	22.31	-2.50	19.81	<=33.01	Pass
			25	22.16	-2.50	19.66	<=33.01	Pass
		50	0	22.27	-2.50	19.77	<=33.01	Pass
16QAM	2505	1	0	22.23	-2.50	19.73	<=33.01	Pass
			25	21.78	-2.50	19.28	<=33.01	Pass
			49	22.28	-2.50	19.78	<=33.01	Pass
		25	0	21.32	-2.50	18.82	<=33.01	Pass
			13	21.25	-2.50	18.75	<=33.01	Pass
			25	21.26	-2.50	18.76	<=33.01	Pass
		50	0	21.21	-2.50	18.71	<=33.01	Pass
	2535	1	0	22.28	-2.50	19.78	<=33.01	Pass
			25	22.35	-2.50	19.85	<=33.01	Pass
			49	22.44	-2.50	19.94	<=33.01	Pass
		25	0	21.11	-2.50	18.61	<=33.01	Pass
			13	21.12	-2.50	18.62	<=33.01	Pass
			25	21.18	-2.50	18.68	<=33.01	Pass
		50	0	21.05	-2.50	18.55	<=33.01	Pass
	2565	1	0	22.20	-2.50	19.70	<=33.01	Pass
			25	22.54	-2.50	20.04	<=33.01	Pass
			49	22.12	-2.50	19.62	<=33.01	Pass
		25	0	21.17	-2.50	18.67	<=33.01	Pass
			13	21.16	-2.50	18.66	<=33.01	Pass
			25	21.20	-2.50	18.70	<=33.01	Pass
		50	0	21.19	-2.50	18.69	<=33.01	Pass
64QAM	2505	1	0	22.12	-2.50	19.62	<=33.01	Pass
			25	22.08	-2.50	19.58	<=33.01	Pass
			49	22.25	-2.50	19.75	<=33.01	Pass
		25	0	21.04	-2.50	18.54	<=33.01	Pass
			13	21.24	-2.50	18.74	<=33.01	Pass
			25	21.13	-2.50	18.63	<=33.01	Pass
		50	0	21.21	-2.50	18.71	<=33.01	Pass
	2535	1	0	22.07	-2.50	19.57	<=33.01	Pass
			25	22.39	-2.50	19.89	<=33.01	Pass
			49	22.17	-2.50	19.67	<=33.01	Pass
		25	0	21.02	-2.50	18.52	<=33.01	Pass
			13	21.16	-2.50	18.66	<=33.01	Pass
			25	21.07	-2.50	18.57	<=33.01	Pass
		50	0	21.02	-2.50	18.52	<=33.01	Pass
	2565	1	0	22.00	-2.50	19.50	<=33.01	Pass
			25	22.44	-2.50	19.94	<=33.01	Pass
			49	22.04	-2.50	19.54	<=33.01	Pass
		25	0	21.08	-2.50	18.58	<=33.01	Pass
			13	21.35	-2.50	18.85	<=33.01	Pass
			25	21.19	-2.50	18.69	<=33.01	Pass
		50	0	21.21	-2.50	18.71	<=33.01	Pass
256QAM	2505	1	0	18.03	-2.50	15.53	<=33.01	Pass
			25	18.34	-2.50	15.84	<=33.01	Pass
			49	18.30	-2.50	15.80	<=33.01	Pass
		25	0	18.31	-2.50	15.81	<=33.01	Pass
			13	18.24	-2.50	15.74	<=33.01	Pass
			25	18.24	-2.50	15.74	<=33.01	Pass
		50	0	18.23	-2.50	15.73	<=33.01	Pass
	2535	1	0	18.16	-2.50	15.66	<=33.01	Pass
			25	18.10	-2.50	15.60	<=33.01	Pass
			49	17.87	-2.50	15.37	<=33.01	Pass

		25	0	18.19	-2.50	15.69	<=33.01	Pass
			13	18.10	-2.50	15.60	<=33.01	Pass
			25	18.08	-2.50	15.58	<=33.01	Pass
	2565	50	0	18.03	-2.50	15.53	<=33.01	Pass
		1	0	18.15	-2.50	15.65	<=33.01	Pass
			25	17.83	-2.50	15.33	<=33.01	Pass
			49	18.10	-2.50	15.60	<=33.01	Pass
		25	0	18.21	-2.50	15.71	<=33.01	Pass
			13	18.30	-2.50	15.80	<=33.01	Pass
			25	18.18	-2.50	15.68	<=33.01	Pass
		50	0	18.24	-2.50	15.74	<=33.01	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.1.3 B7_15MHz_EIRP

Band: 7 / Bandwidth: 15MHz / NTN/V								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	2507.5	1	0	23.05	-2.50	20.55	<=33.01	Pass
			38	23.18	-2.50	20.68	<=33.01	Pass
			74	23.13	-2.50	20.63	<=33.01	Pass
		36	0	22.17	-2.50	19.67	<=33.01	Pass
			18	22.19	-2.50	19.69	<=33.01	Pass
			39	22.03	-2.50	19.53	<=33.01	Pass
		75	0	22.07	-2.50	19.57	<=33.01	Pass
	2535	1	0	22.35	-2.50	19.85	<=33.01	Pass
			38	23.17	-2.50	20.67	<=33.01	Pass
			74	23.15	-2.50	20.65	<=33.01	Pass
		36	0	22.16	-2.50	19.66	<=33.01	Pass
			18	22.09	-2.50	19.59	<=33.01	Pass
			39	22.13	-2.50	19.63	<=33.01	Pass
		75	0	22.12	-2.50	19.62	<=33.01	Pass
	2562.5	1	0	22.88	-2.50	20.38	<=33.01	Pass
			38	23.45	-2.50	20.95	<=33.01	Pass
			74	23.10	-2.50	20.60	<=33.01	Pass
		36	0	22.25	-2.50	19.75	<=33.01	Pass
			18	22.32	-2.50	19.82	<=33.01	Pass
			39	22.14	-2.50	19.64	<=33.01	Pass
		75	0	22.28	-2.50	19.78	<=33.01	Pass
16QAM	2507.5	1	0	22.16	-2.50	19.66	<=33.01	Pass
			38	22.21	-2.50	19.71	<=33.01	Pass
			74	22.09	-2.50	19.59	<=33.01	Pass
		36	0	21.26	-2.50	18.76	<=33.01	Pass
			18	21.17	-2.50	18.67	<=33.01	Pass
			39	21.01	-2.50	18.51	<=33.01	Pass
		75	0	21.08	-2.50	18.58	<=33.01	Pass
	2535	1	0	22.30	-2.50	19.80	<=33.01	Pass
			38	22.11	-2.50	19.61	<=33.01	Pass
			74	22.25	-2.50	19.75	<=33.01	Pass
		36	0	21.20	-2.50	18.70	<=33.01	Pass
			18	21.16	-2.50	18.66	<=33.01	Pass
			39	21.11	-2.50	18.61	<=33.01	Pass
		75	0	21.05	-2.50	18.55	<=33.01	Pass
	2562.5	1	0	22.12	-2.50	19.62	<=33.01	Pass
			38	22.22	-2.50	19.72	<=33.01	Pass
			74	21.92	-2.50	19.42	<=33.01	Pass
		36	0	21.28	-2.50	18.78	<=33.01	Pass
			18	21.24	-2.50	18.74	<=33.01	Pass

			39	21.17	-2.50	18.67	<=33.01	Pass		
		75	0	21.28	-2.50	18.78	<=33.01	Pass		
64QAM	2507.5	1	0	21.75	-2.50	19.25	<=33.01	Pass		
			38	21.90	-2.50	19.40	<=33.01	Pass		
			74	22.16	-2.50	19.66	<=33.01	Pass		
			0	21.27	-2.50	18.77	<=33.01	Pass		
		36	18	21.10	-2.50	18.60	<=33.01	Pass		
			39	20.97	-2.50	18.47	<=33.01	Pass		
			75	0	21.04	-2.50	18.54	<=33.01	Pass	
		2535	1	0	21.16	-2.50	18.66	<=33.01	Pass	
				38	21.99	-2.50	19.49	<=33.01	Pass	
	74			21.69	-2.50	19.19	<=33.01	Pass		
	0			21.09	-2.50	18.59	<=33.01	Pass		
	36		18	21.02	-2.50	18.52	<=33.01	Pass		
			39	21.06	-2.50	18.56	<=33.01	Pass		
			75	0	21.04	-2.50	18.54	<=33.01	Pass	
	2562.5		1	0	22.03	-2.50	19.53	<=33.01	Pass	
				38	22.12	-2.50	19.62	<=33.01	Pass	
		74		21.84	-2.50	19.34	<=33.01	Pass		
		0		21.24	-2.50	18.74	<=33.01	Pass		
		36	18	21.16	-2.50	18.66	<=33.01	Pass		
			39	21.08	-2.50	18.58	<=33.01	Pass		
			75	0	21.15	-2.50	18.65	<=33.01	Pass	
		256QAM	2507.5	1	0	18.33	-2.50	15.83	<=33.01	Pass
					38	18.16	-2.50	15.66	<=33.01	Pass
74	17.91				-2.50	15.41	<=33.01	Pass		
36	0			18.22	-2.50	15.72	<=33.01	Pass		
	18			18.16	-2.50	15.66	<=33.01	Pass		
	39			17.98	-2.50	15.48	<=33.01	Pass		
75	0			18.16	-2.50	15.66	<=33.01	Pass		
2535	1		0	17.93	-2.50	15.43	<=33.01	Pass		
			38	18.26	-2.50	15.76	<=33.01	Pass		
			74	18.25	-2.50	15.75	<=33.01	Pass		
	36		0	17.59	-2.50	15.09	<=33.01	Pass		
			18	18.08	-2.50	15.58	<=33.01	Pass		
			39	18.16	-2.50	15.66	<=33.01	Pass		
	75		0	18.11	-2.50	15.61	<=33.01	Pass		
2562.5	1		0	18.31	-2.50	15.81	<=33.01	Pass		
			38	18.24	-2.50	15.74	<=33.01	Pass		
			74	18.38	-2.50	15.88	<=33.01	Pass		
	36		0	18.08	-2.50	15.58	<=33.01	Pass		
			18	18.24	-2.50	15.74	<=33.01	Pass		
			39	18.12	-2.50	15.62	<=33.01	Pass		
	75		0	18.31	-2.50	15.81	<=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	22.42	-2.50	19.92	<=33.01	Pass
			50	23.38	-2.50	20.88	<=33.01	Pass
			99	23.10	-2.50	20.60	<=33.01	Pass
		50	0	22.18	-2.50	19.68	<=33.01	Pass
			25	22.15	-2.50	19.65	<=33.01	Pass
			50	21.94	-2.50	19.44	<=33.01	Pass
		100	0	22.17	-2.50	19.67	<=33.01	Pass

	2535	1	0	23.07	-2.50	20.57	<=33.01	Pass
			50	23.15	-2.50	20.65	<=33.01	Pass
			99	23.23	-2.50	20.73	<=33.01	Pass
		50	0	22.11	-2.50	19.61	<=33.01	Pass
			25	22.16	-2.50	19.66	<=33.01	Pass
			50	22.16	-2.50	19.66	<=33.01	Pass
		100	0	22.08	-2.50	19.58	<=33.01	Pass
	2560	1	0	22.86	-2.50	20.36	<=33.01	Pass
			50	23.35	-2.50	20.85	<=33.01	Pass
			99	23.07	-2.50	20.57	<=33.01	Pass
		50	0	22.25	-2.50	19.75	<=33.01	Pass
			25	22.22	-2.50	19.72	<=33.01	Pass
			50	22.13	-2.50	19.63	<=33.01	Pass
		100	0	22.25	-2.50	19.75	<=33.01	Pass
16QAM	2510	1	0	22.36	-2.50	19.86	<=33.01	Pass
			50	22.23	-2.50	19.73	<=33.01	Pass
			99	22.34	-2.50	19.84	<=33.01	Pass
		50	0	21.18	-2.50	18.68	<=33.01	Pass
			25	21.15	-2.50	18.65	<=33.01	Pass
			50	21.06	-2.50	18.56	<=33.01	Pass
		100	0	21.15	-2.50	18.65	<=33.01	Pass
	2535	1	0	21.76	-2.50	19.26	<=33.01	Pass
			50	22.30	-2.50	19.80	<=33.01	Pass
			99	22.26	-2.50	19.76	<=33.01	Pass
		50	0	21.21	-2.50	18.71	<=33.01	Pass
			25	21.17	-2.50	18.67	<=33.01	Pass
			50	21.17	-2.50	18.67	<=33.01	Pass
		100	0	21.01	-2.50	18.51	<=33.01	Pass
	2560	1	0	22.38	-2.50	19.88	<=33.01	Pass
			50	22.66	-2.50	20.16	<=33.01	Pass
			99	22.26	-2.50	19.76	<=33.01	Pass
		50	0	21.00	-2.50	18.50	<=33.01	Pass
			25	21.24	-2.50	18.74	<=33.01	Pass
			50	21.14	-2.50	18.64	<=33.01	Pass
		100	0	21.22	-2.50	18.72	<=33.01	Pass
64QAM	2510	1	0	21.10	-2.50	18.60	<=33.01	Pass
			50	21.95	-2.50	19.45	<=33.01	Pass
			99	22.03	-2.50	19.53	<=33.01	Pass
		50	0	21.25	-2.50	18.75	<=33.01	Pass
			25	21.15	-2.50	18.65	<=33.01	Pass
			50	21.12	-2.50	18.62	<=33.01	Pass
		100	0	21.25	-2.50	18.75	<=33.01	Pass
	2535	1	0	21.70	-2.50	19.20	<=33.01	Pass
			50	21.80	-2.50	19.30	<=33.01	Pass
			99	22.06	-2.50	19.56	<=33.01	Pass
		50	0	21.23	-2.50	18.73	<=33.01	Pass
			25	21.09	-2.50	18.59	<=33.01	Pass
			50	21.16	-2.50	18.66	<=33.01	Pass
		100	0	20.95	-2.50	18.45	<=33.01	Pass
	2560	1	0	21.79	-2.50	19.29	<=33.01	Pass
			50	22.09	-2.50	19.59	<=33.01	Pass
			99	22.15	-2.50	19.65	<=33.01	Pass
		50	0	20.98	-2.50	18.48	<=33.01	Pass
			25	21.11	-2.50	18.61	<=33.01	Pass
			50	21.13	-2.50	18.63	<=33.01	Pass
		100	0	21.25	-2.50	18.75	<=33.01	Pass
256QAM	2510	1	0	18.27	-2.50	15.77	<=33.01	Pass
			50	17.87	-2.50	15.37	<=33.01	Pass
			99	17.99	-2.50	15.49	<=33.01	Pass

		50	0	18.17	-2.50	15.67	<=33.01	Pass
			25	18.23	-2.50	15.73	<=33.01	Pass
			50	17.92	-2.50	15.42	<=33.01	Pass
		100	0	18.15	-2.50	15.65	<=33.01	Pass
	2535	1	0	17.82	-2.50	15.32	<=33.01	Pass
			50	18.08	-2.50	15.58	<=33.01	Pass
			99	17.90	-2.50	15.40	<=33.01	Pass
		50	0	18.07	-2.50	15.57	<=33.01	Pass
			25	18.16	-2.50	15.66	<=33.01	Pass
			50	18.19	-2.50	15.69	<=33.01	Pass
		100	0	18.09	-2.50	15.59	<=33.01	Pass
	2560	1	0	18.21	-2.50	15.71	<=33.01	Pass
			50	18.32	-2.50	15.82	<=33.01	Pass
			99	18.10	-2.50	15.60	<=33.01	Pass
		50	0	18.30	-2.50	15.80	<=33.01	Pass
			25	18.24	-2.50	15.74	<=33.01	Pass
			50	18.06	-2.50	15.56	<=33.01	Pass
		100	0	18.27	-2.50	15.77	<=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 (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2535	50	0	20	3.4	-2.800	-0.0011	-2.5 to 2.5	Pass
					4.0	-2.000	-0.0008	-2.5 to 2.5	Pass
					4.2	-1.300	-0.0005	-2.5 to 2.5	Pass
				-30	4.0	-3.900	-0.0015	-2.5 to 2.5	Pass
				-20	4.0	-0.200	-0.0001	-2.5 to 2.5	Pass
				-10	4.0	1.500	0.0006	-2.5 to 2.5	Pass
				0	4.0	-1.000	-0.0004	-2.5 to 2.5	Pass
				10	4.0	-2.100	-0.0008	-2.5 to 2.5	Pass
				30	4.0	-0.400	-0.0002	-2.5 to 2.5	Pass
				40	4.0	-0.700	-0.0003	-2.5 to 2.5	Pass
				50	4.0	-1.400	-0.0006	-2.5 to 2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 Band7_OBW

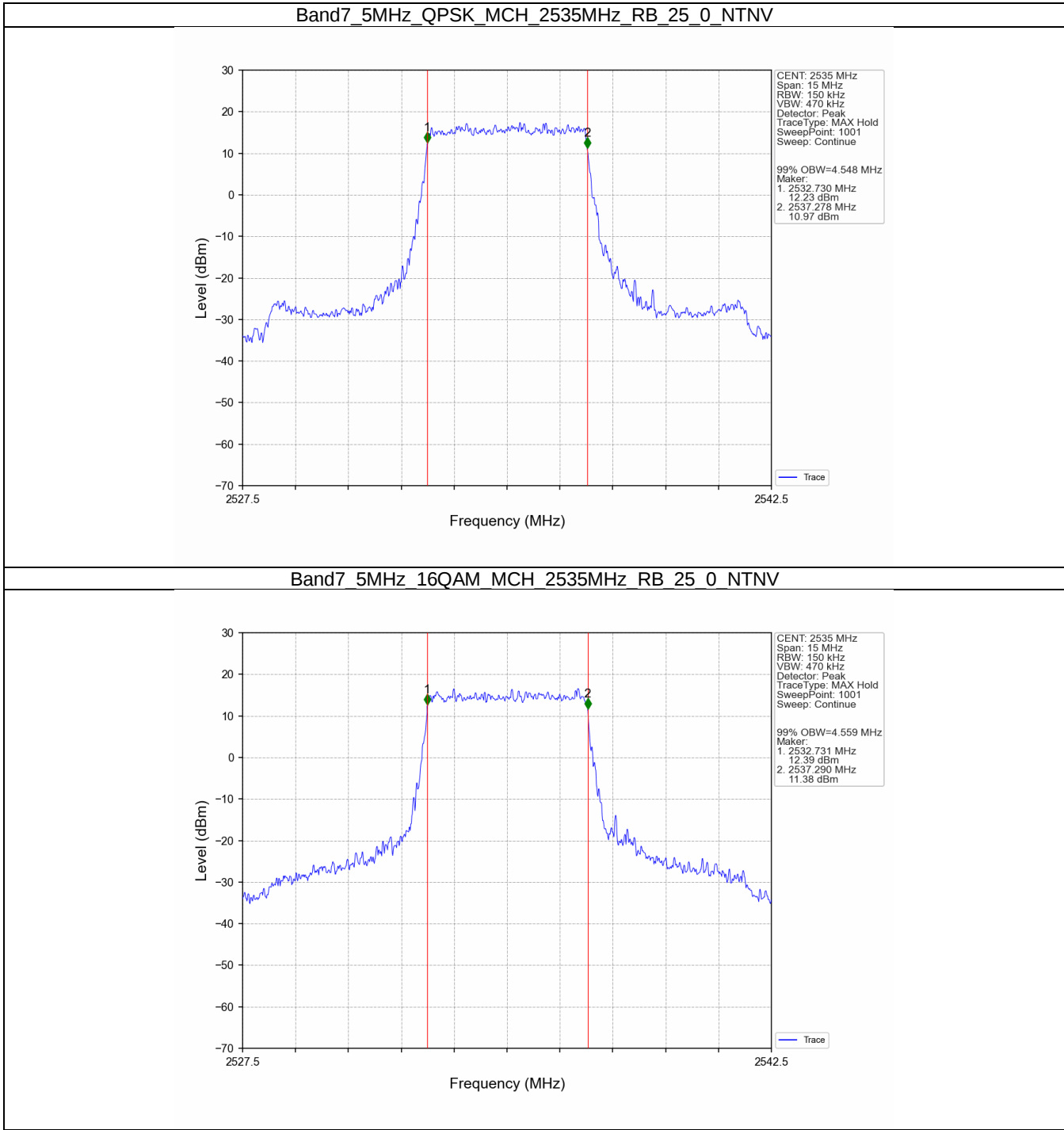
Band: 7 / NTN							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2535	25	0	4.548	/	Pass
	16QAM	2535	25	0	4.559	/	Pass
10	QPSK	2535	50	0	9.069	/	Pass
	16QAM	2535	50	0	9.083	/	Pass
15	QPSK	2535	75	0	13.604	/	Pass
	16QAM	2535	75	0	13.633	/	Pass
20	QPSK	2535	100	0	18.142	/	Pass
	16QAM	2535	100	0	18.106	/	Pass

3.1.2 Band7_XDB

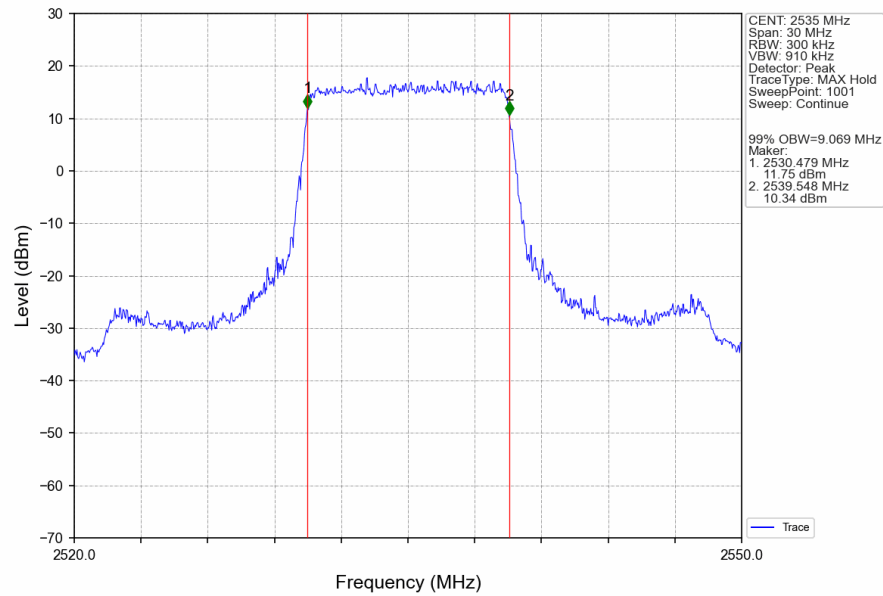
Band: 7 / NTN							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2535	25	0	5.206	/	Pass
	16QAM	2535	25	0	5.221	/	Pass
10	QPSK	2535	50	0	10.148	/	Pass
	16QAM	2535	50	0	10.132	/	Pass
15	QPSK	2535	75	0	15.097	/	Pass
	16QAM	2535	75	0	15.131	/	Pass
20	QPSK	2535	100	0	20.064	/	Pass
	16QAM	2535	100	0	20.127	/	Pass

3.2 Test Graph

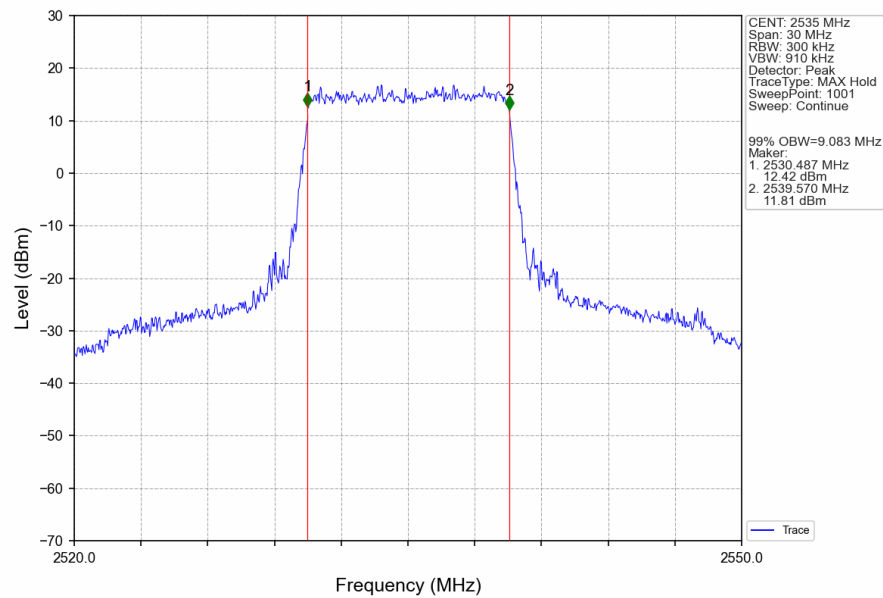
3.2.1 Band7_OBW



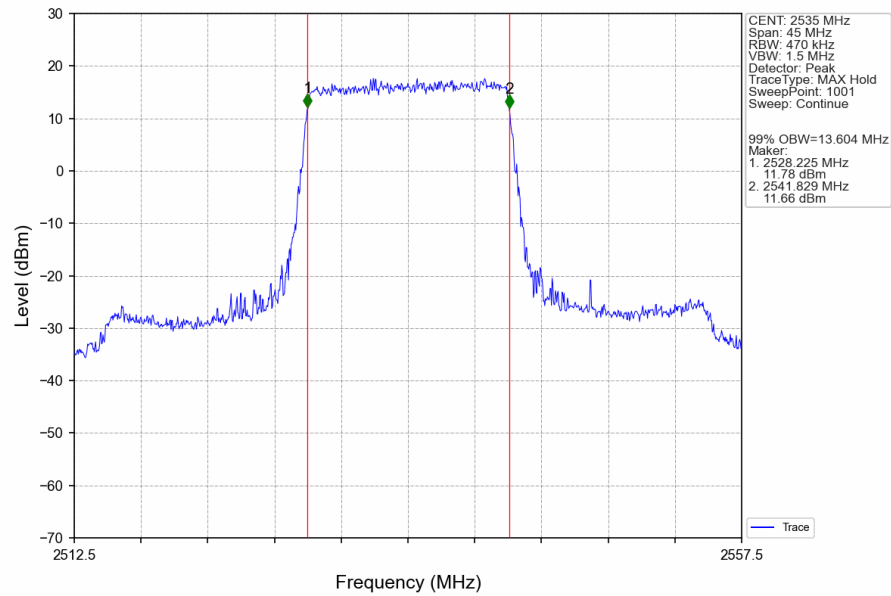
Band7 10MHz QPSK MCH 2535MHz RB 50 0 NTNV



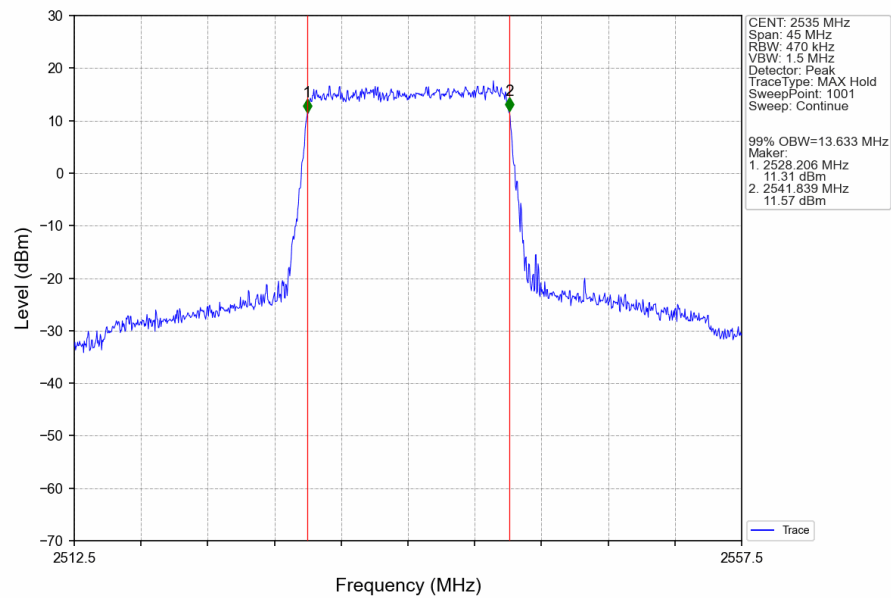
Band7 10MHz 16QAM MCH 2535MHz RB 50 0 NTNV



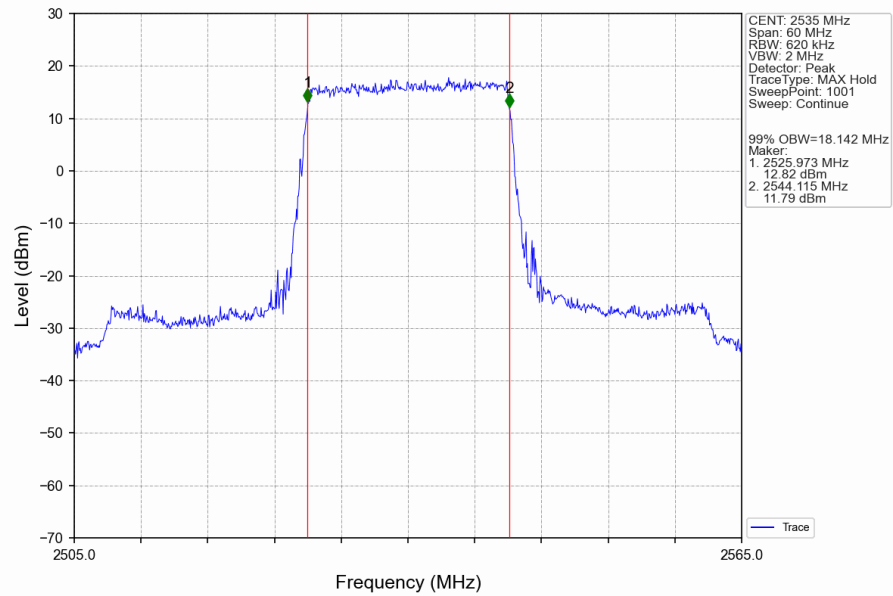
Band7 15MHz QPSK MCH 2535MHz RB 75 0 NTNV



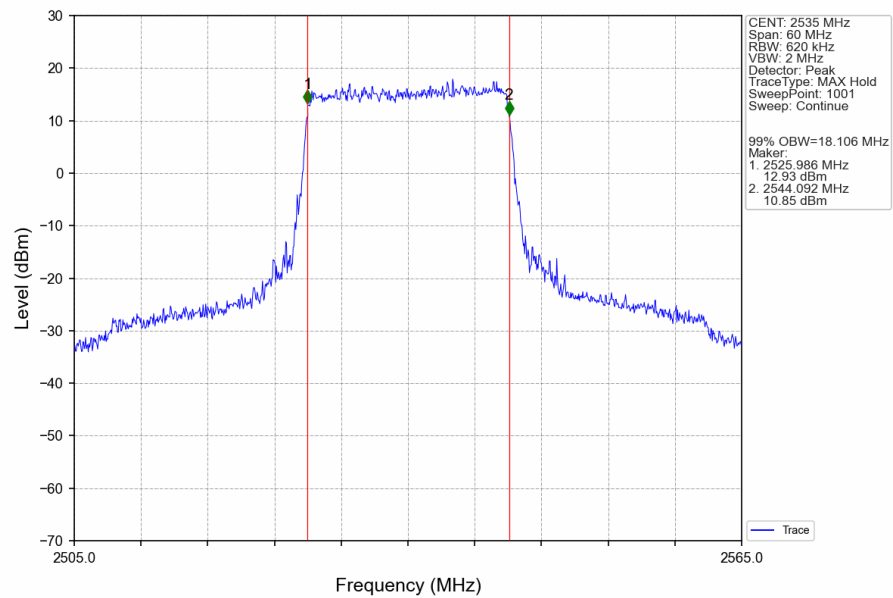
Band7 15MHz 16QAM MCH 2535MHz RB 75 0 NTNV



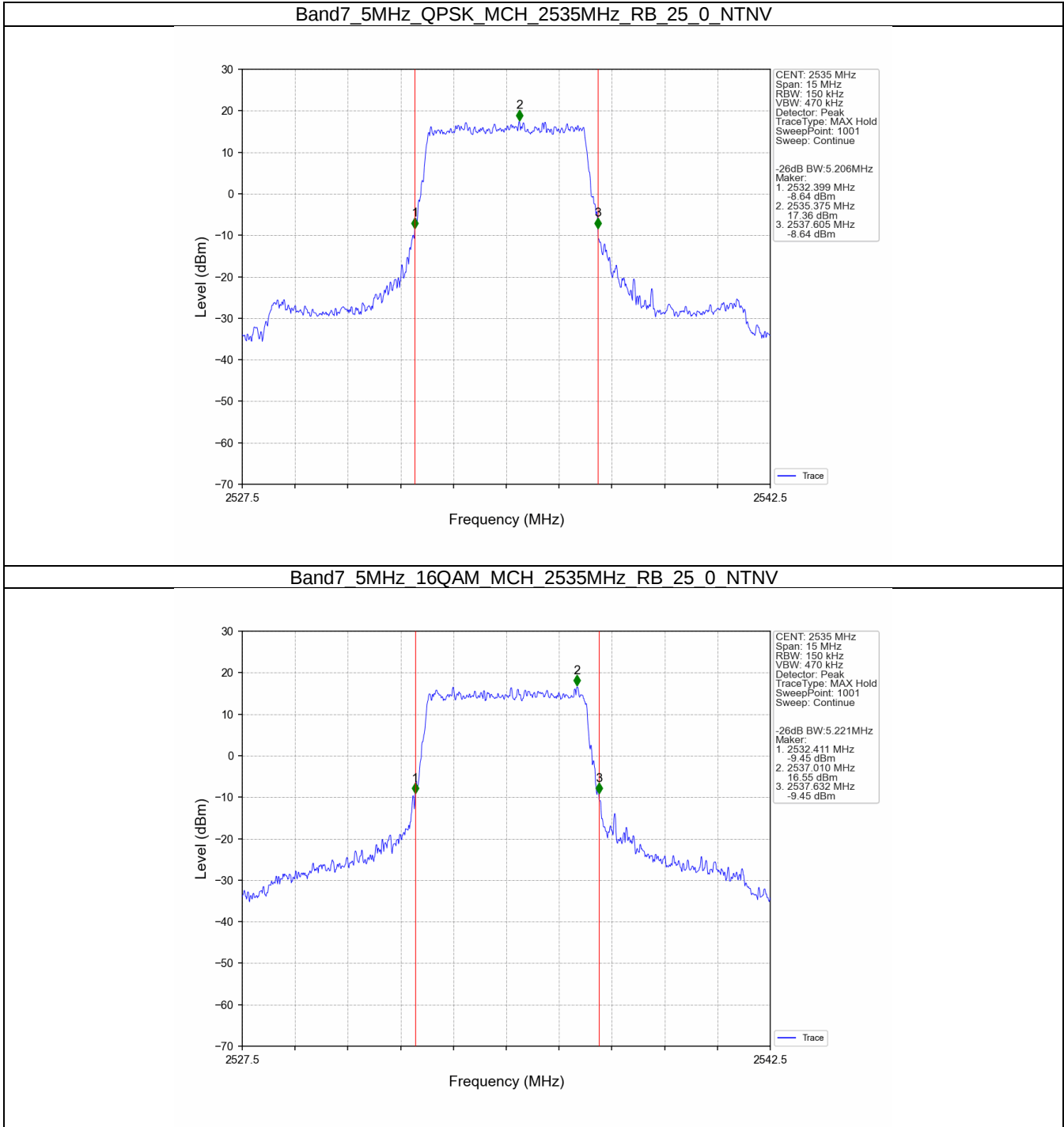
Band7_20MHz_QPSK_MCH_2535MHz_RB_100_0_NTNV



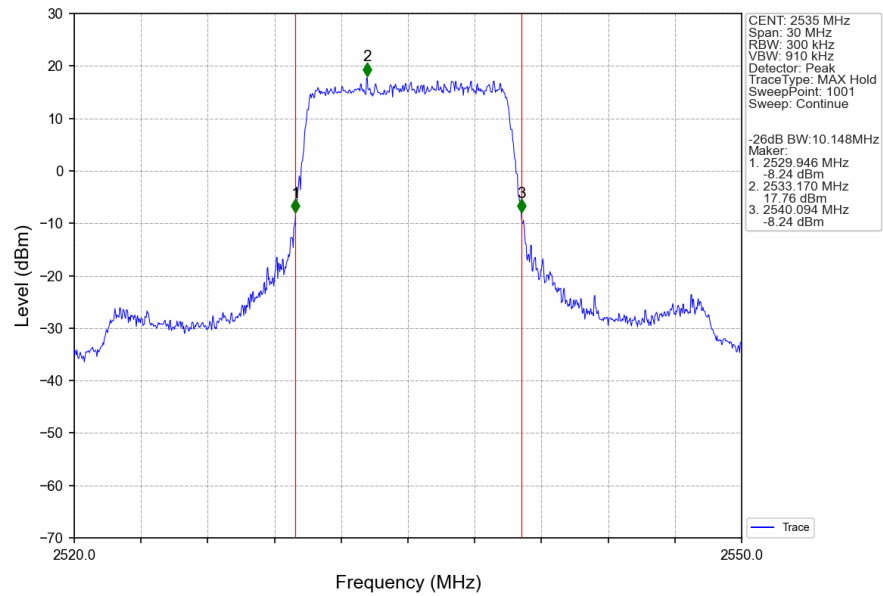
Band7_20MHz_16QAM_MCH_2535MHz_RB_100_0_NTNV



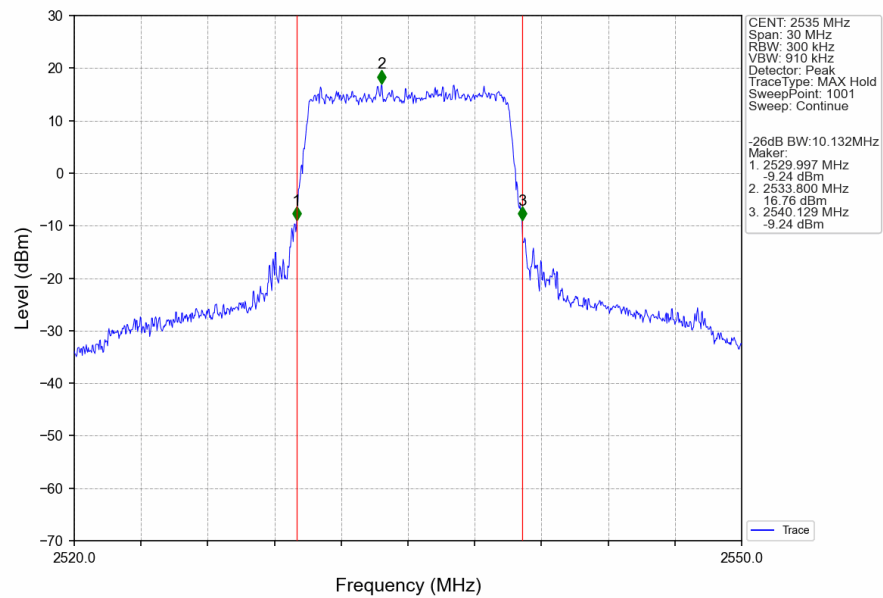
3.2.2 Band7_XDB



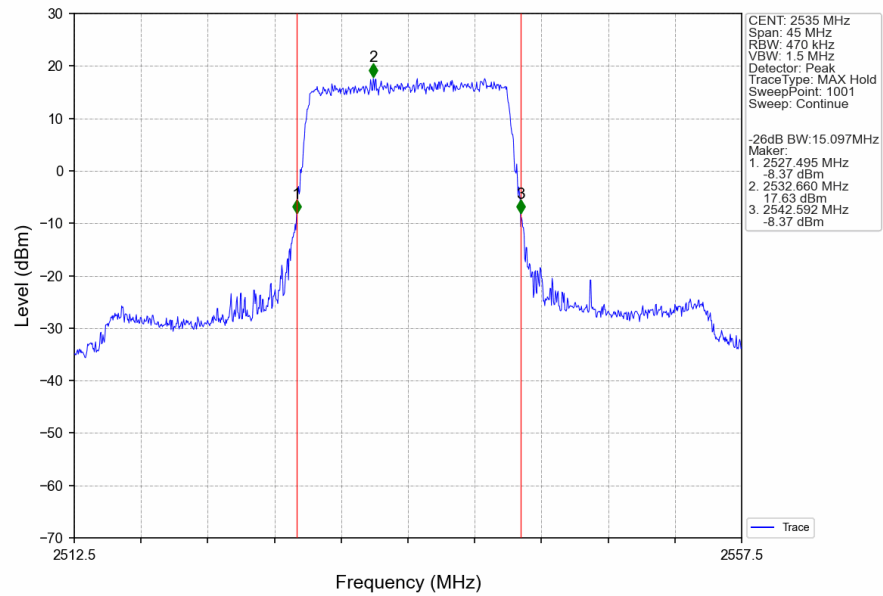
Band7 10MHz QPSK MCH 2535MHz RB 50 0 NTV



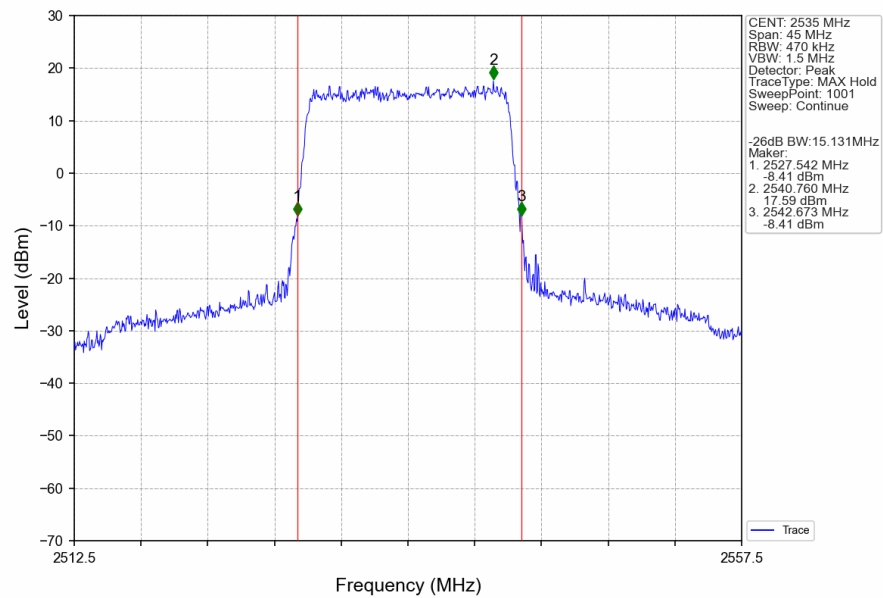
Band7 10MHz 16QAM MCH 2535MHz RB 50 0 NTV



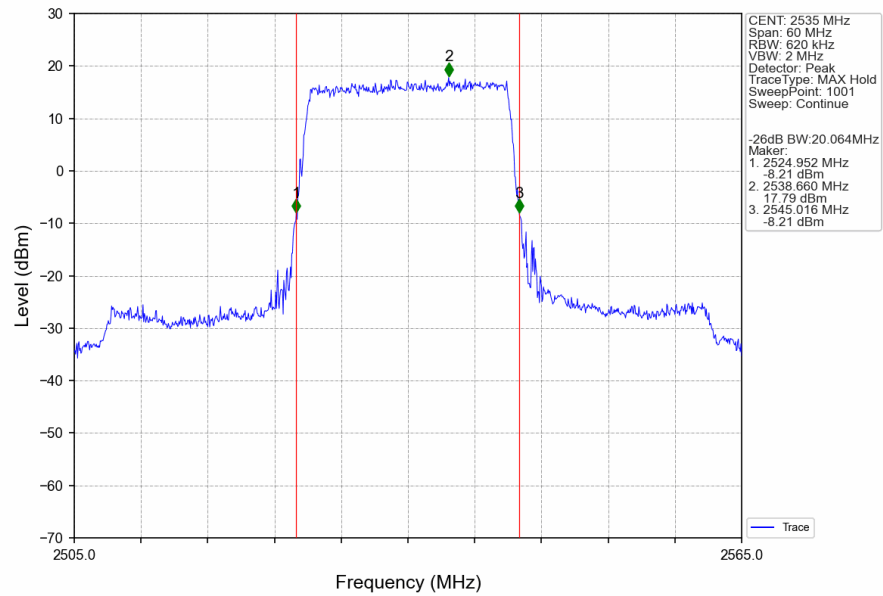
Band7 15MHz QPSK MCH 2535MHz RB 75 0 NTNV



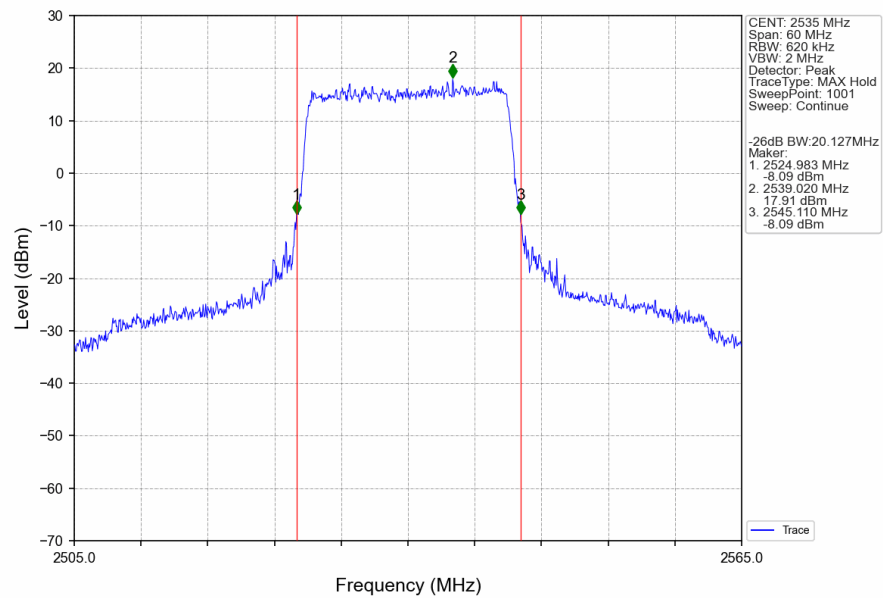
Band7 15MHz 16QAM MCH 2535MHz RB 75 0 NTNV



Band7 20MHz QPSK MCH 2535MHz RB 100 0 NTNV



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



4. Peak-Average Ratio

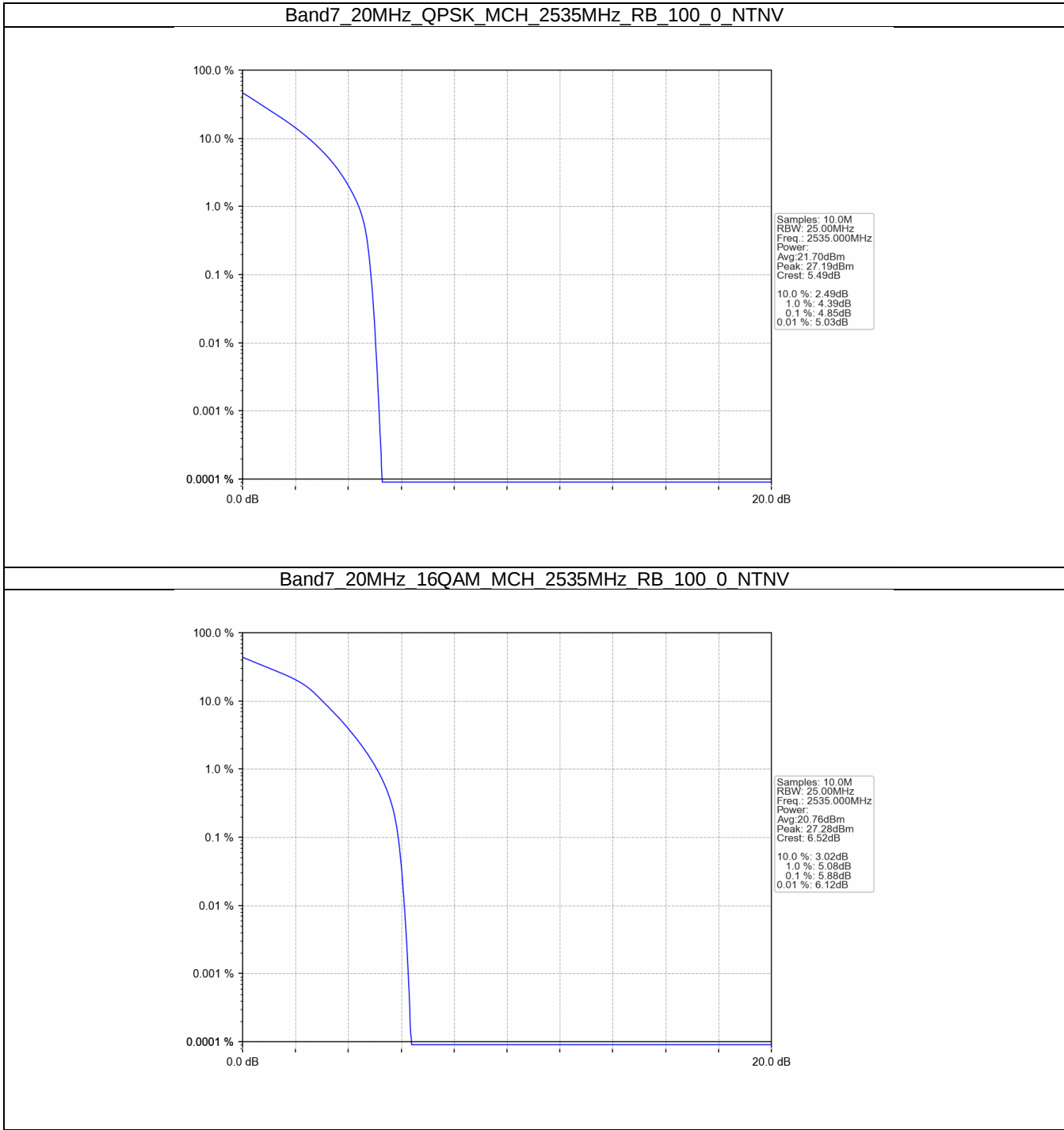
4.1 Test Result

4.1.1 B7_20MHz

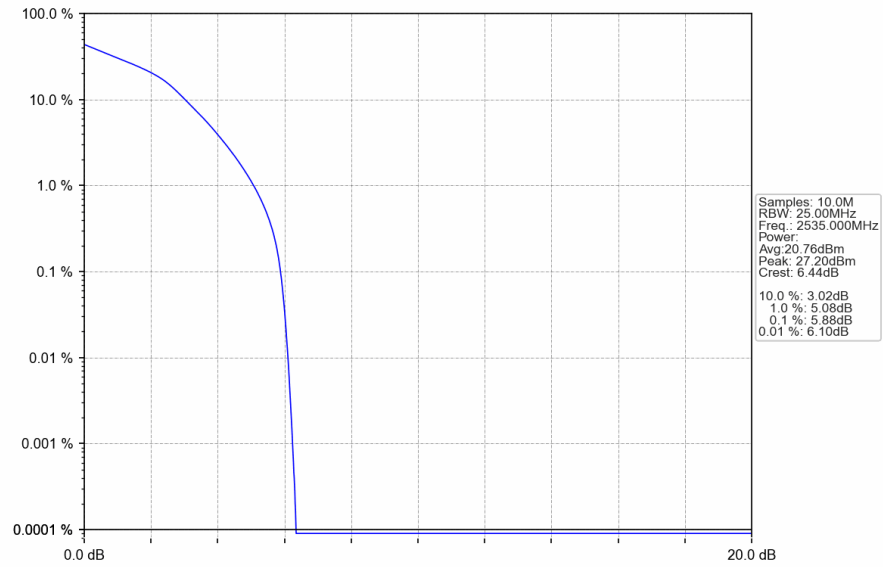
Band: 7 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2535	100	0	4.85	<=13	Pass
16QAM	2535	100	0	5.88	<=13	Pass
64QAM	2535	100	0	5.88	<=13	Pass
256QAM	2535	100	0	6.99	<=13	Pass

4.2 Test Graph

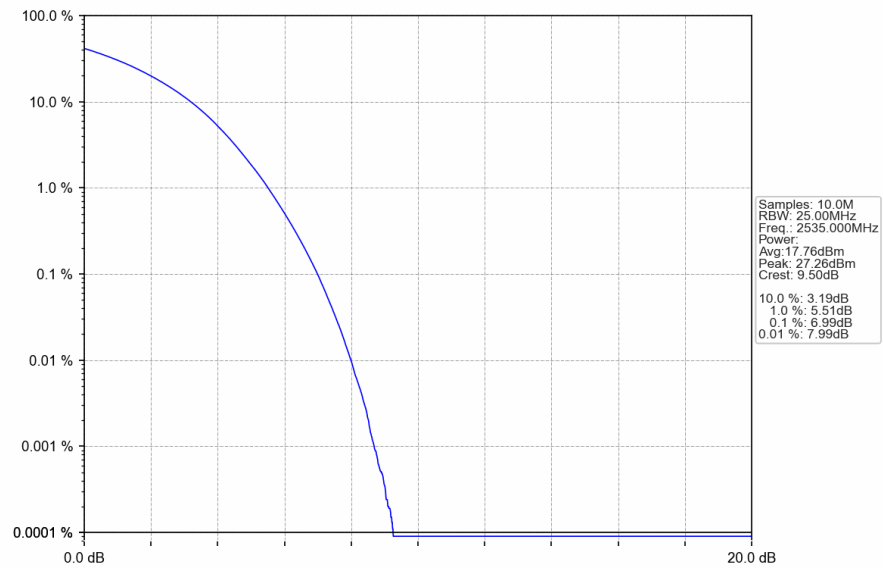
4.2.1 B7_20MHz



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



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



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	
	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

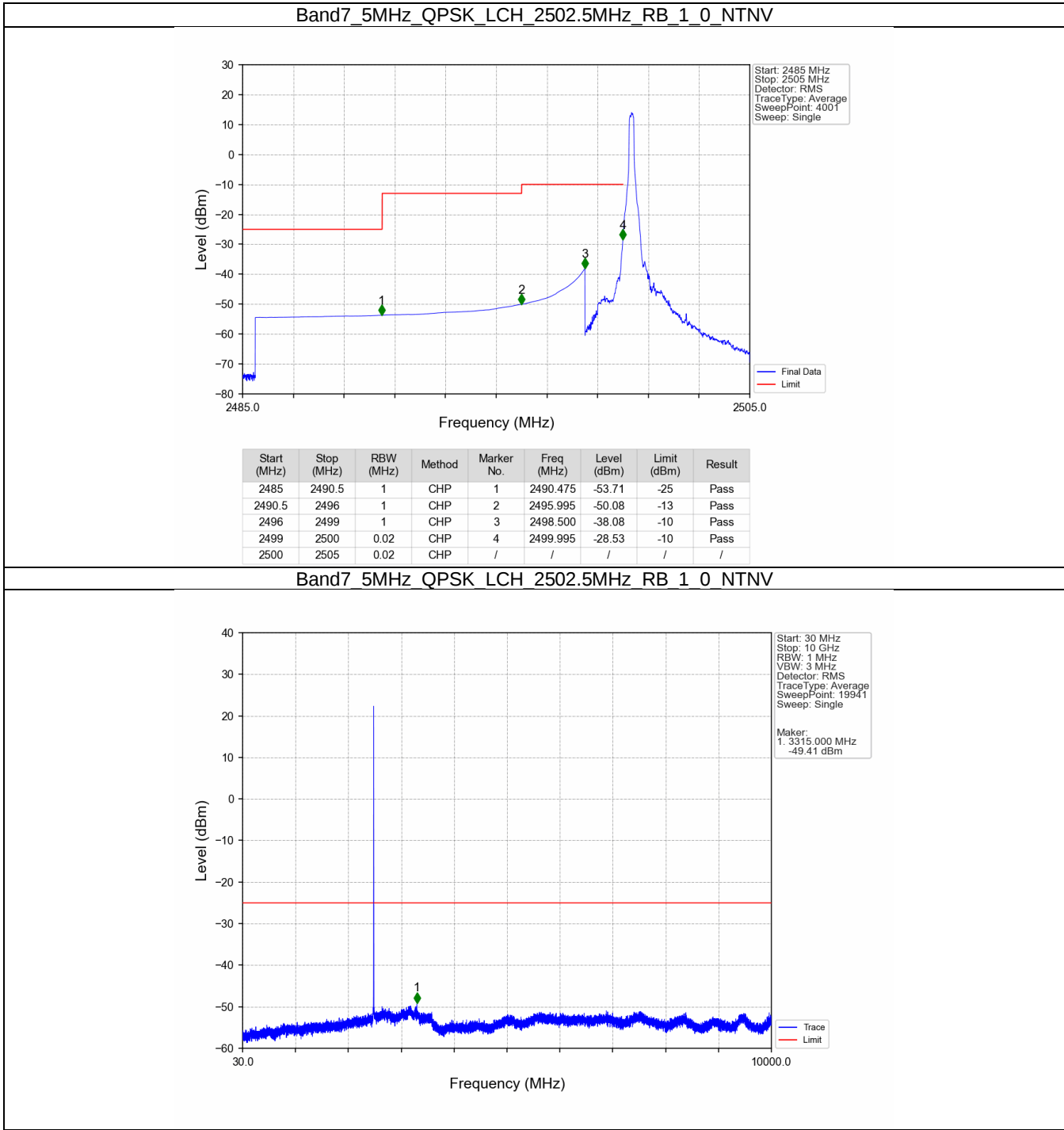
Band: 7 / Bandwidth: 15MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	2507.5	1	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	2535	1	0	Refer To Test Graph		Pass
	2562.5	1	0	Refer To Test Graph		Pass
			74	Refer To Test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

5.1.4 B7_20MHz

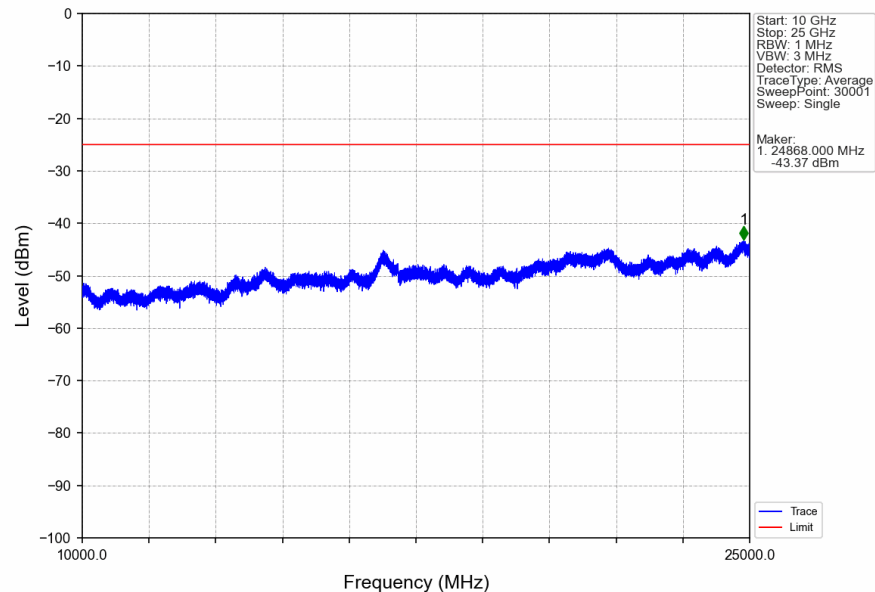
Band: 7 / Bandwidth: 20MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	2510	1	0	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	2535	1	0	Refer To Test Graph		Pass
		2560	1	0	Refer To Test Graph	
	99			Refer To Test Graph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

5.2 Test Graph

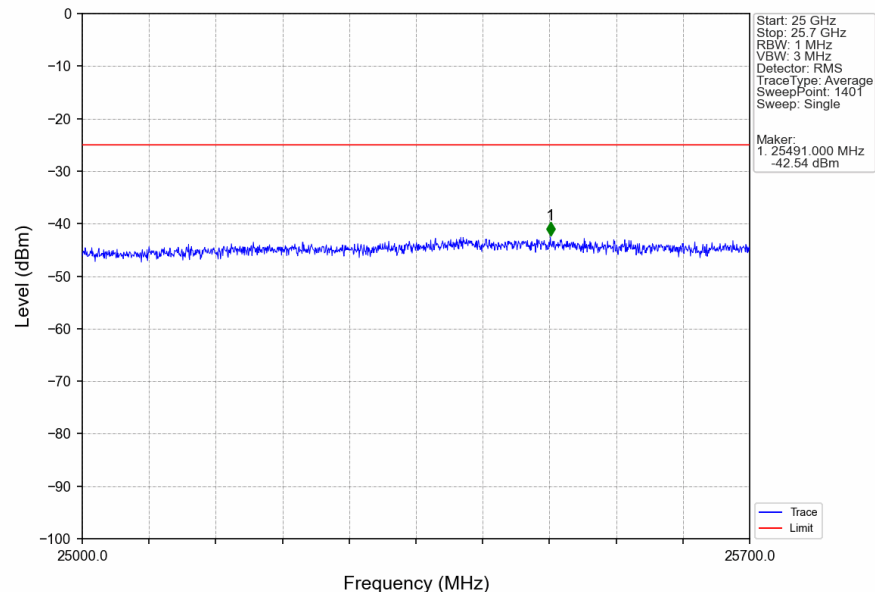
5.2.1 B7_5MHz



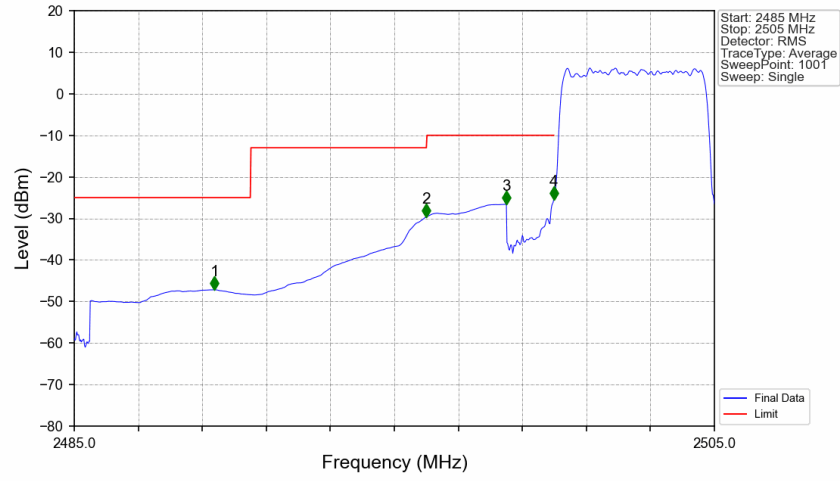
Band7_5MHz_QPSK_LCH_2502.5MHz_RB_1_0_NTNV



Band7_5MHz_QPSK_LCH_2502.5MHz_RB_1_0_NTNV

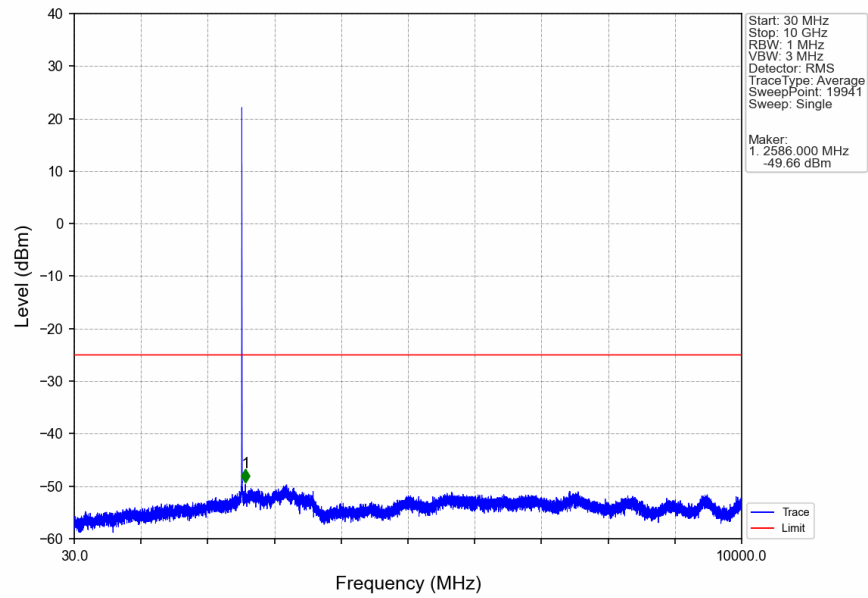


Band7 5MHz QPSK LCH 2502.5MHz RB 25 0 NTN

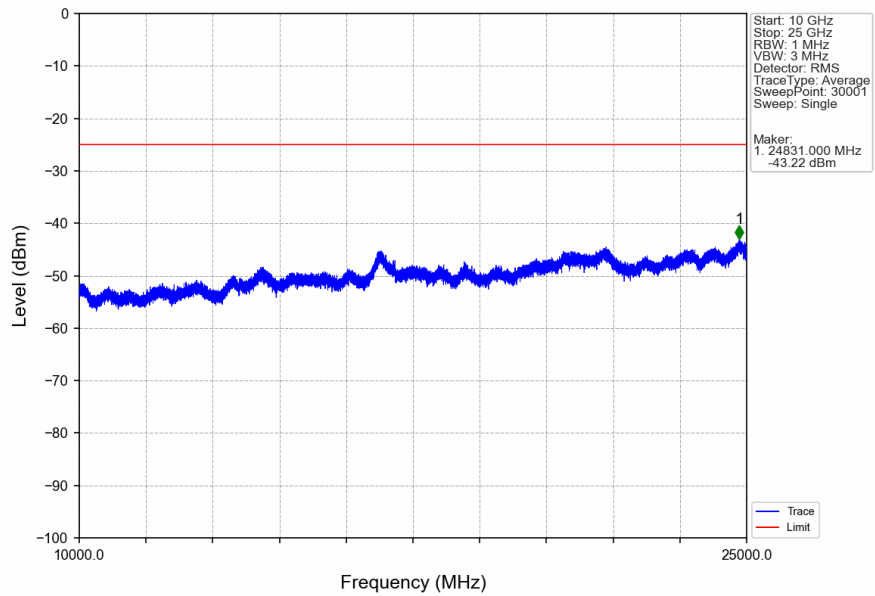


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2489.380	-47.17	-25	Pass
2490.5	2496	1	CHP	2	2496.000	-29.67	-13	Pass
2496	2499	1	CHP	3	2498.500	-26.56	-10	Pass
2499	2500	0.104	CHP	4	2499.980	-25.44	-10	Pass
2500	2505	0.104	CHP	/	/	/	/	/

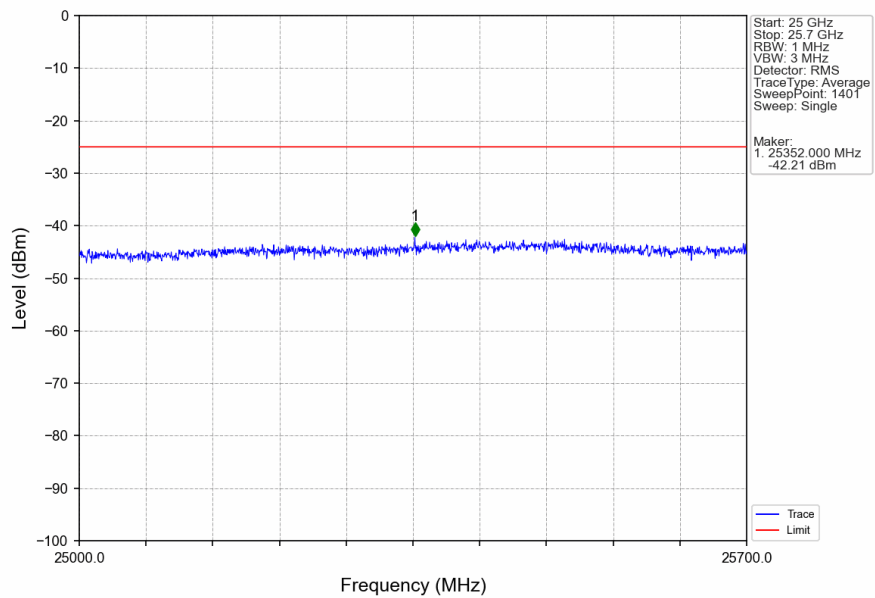
Band7 5MHz QPSK MCH 2535MHz RB 1 0 NTN



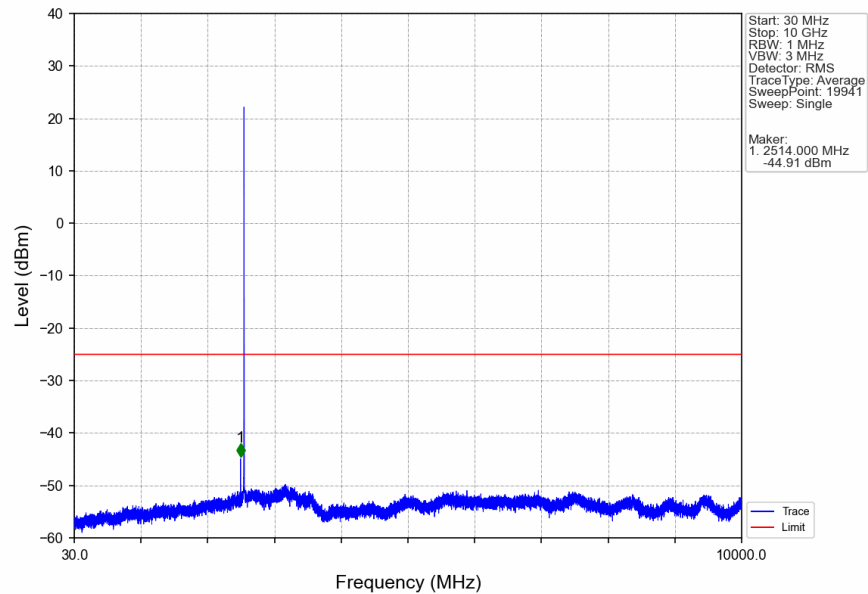
Band7_5MHz_QPSK_MCH_2535MHz_RB_1_0_NTNV



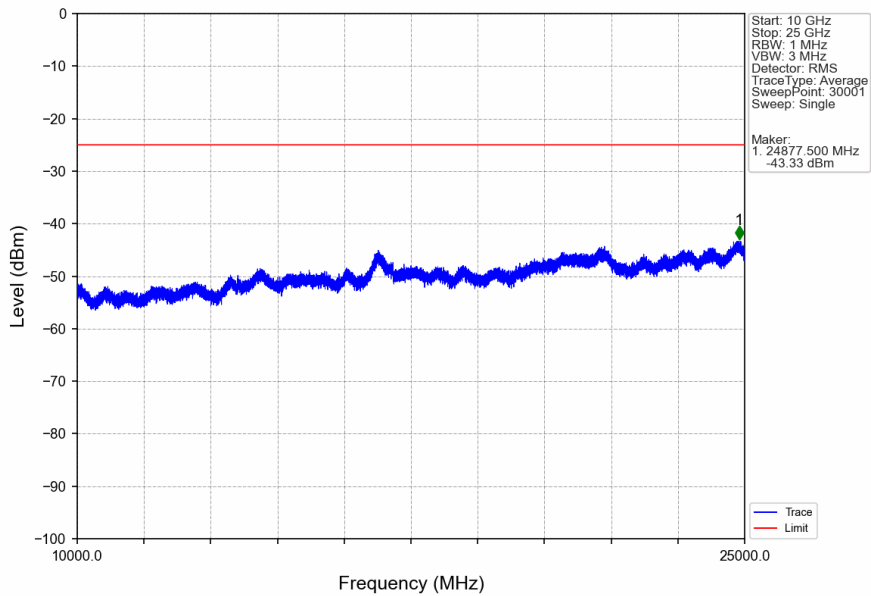
Band7_5MHz_QPSK_MCH_2535MHz_RB_1_0_NTNV



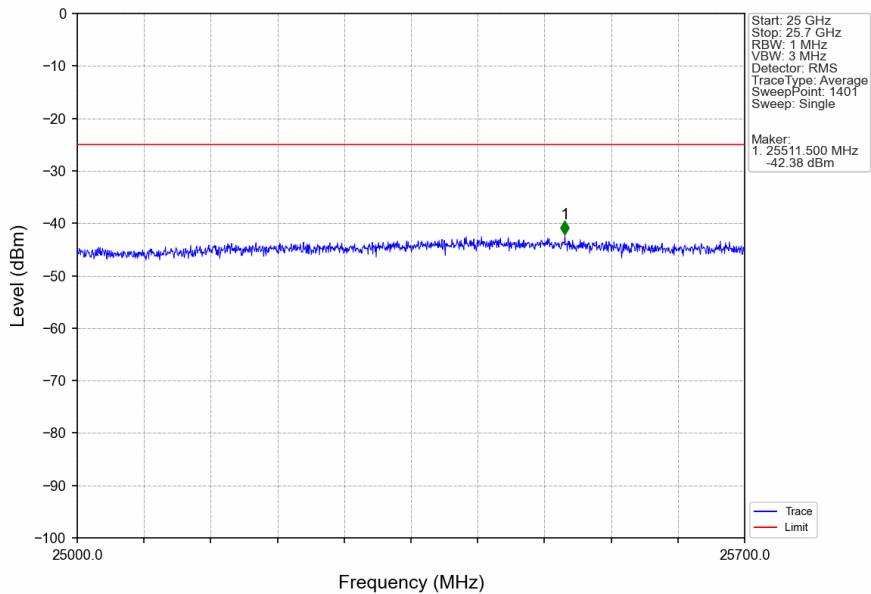
Band7 5MHz QPSK HCH 2567.5MHz RB 1 0 NTNV



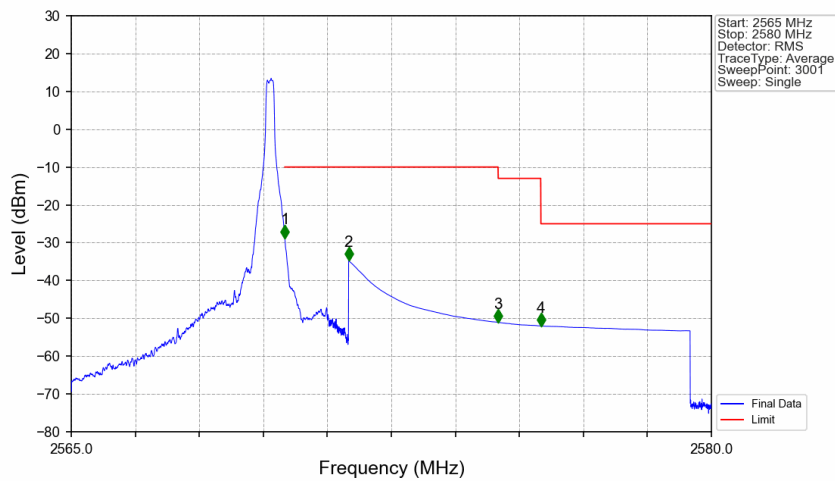
Band7 5MHz QPSK HCH 2567.5MHz RB 1 0 NTNV



Band7 5MHz QPSK HCH 2567.5MHz RB 1 0 NTN

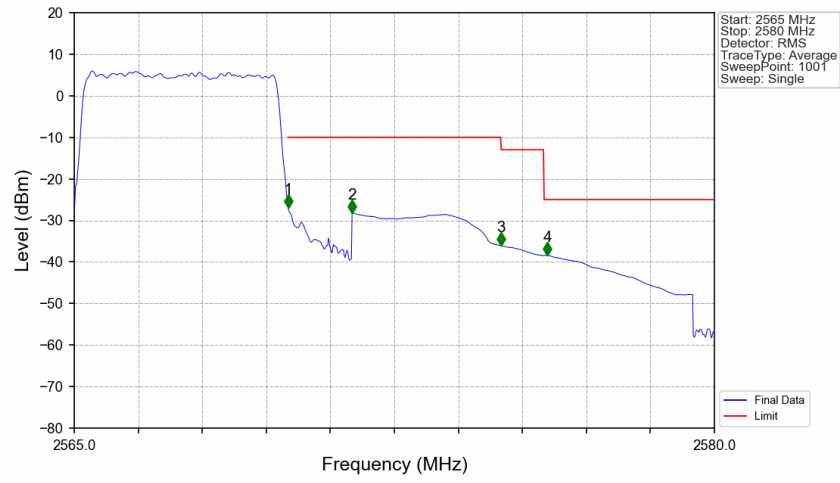


Band7 5MHz QPSK HCH 2567.5MHz RB 1 24 NTN



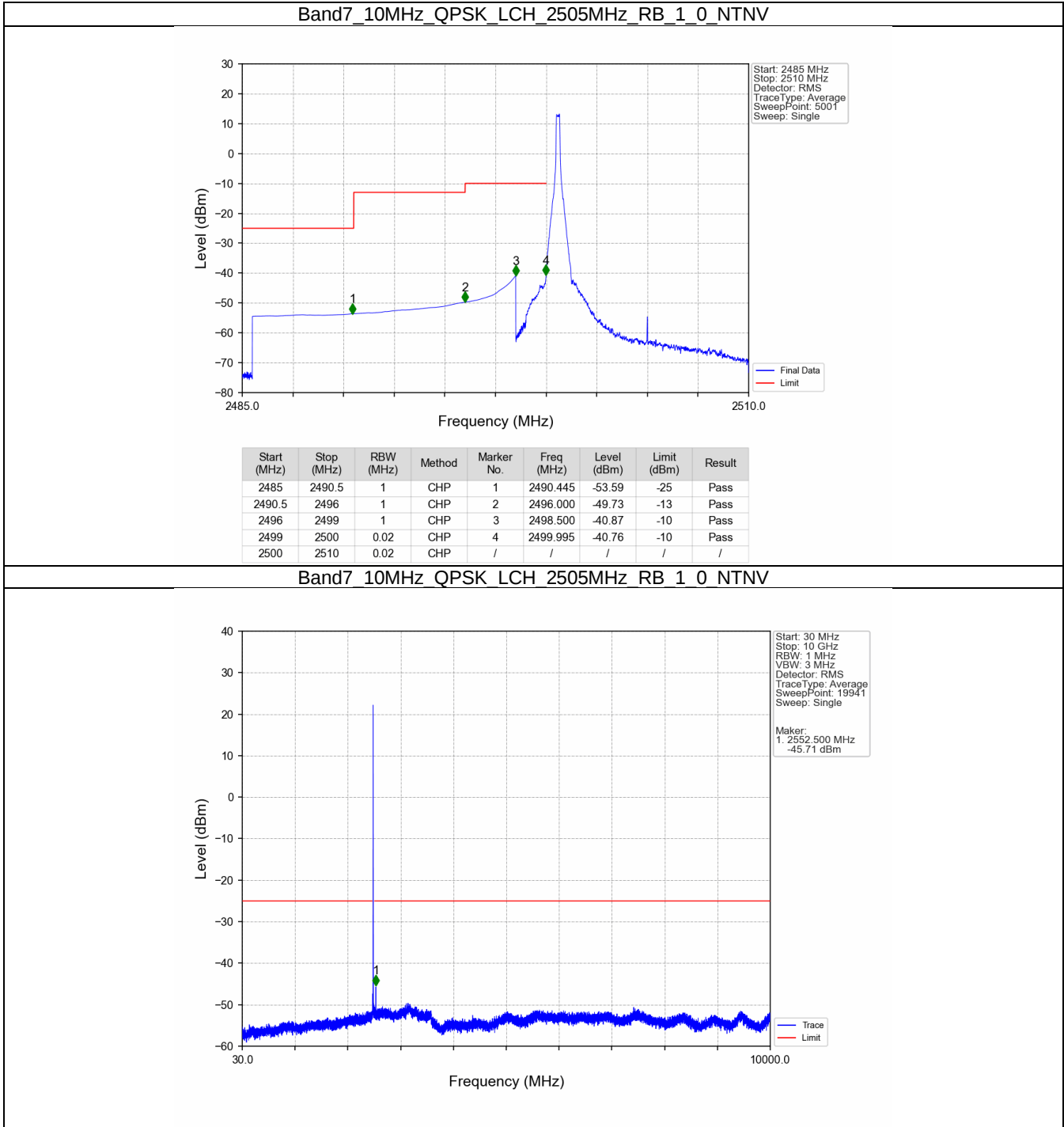
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2565	2570	0.02	CHP	/	/	/	/	/
2570	2571	0.02	CHP	1	2570.005	-28.75	-10	Pass
2571	2575	1	CHP	2	2571.500	-34.72	-10	Pass
2575	2576	1	CHP	3	2575.005	-51.09	-13	Pass
2576	2580	1	CHP	4	2576.005	-52.03	-25	Pass

Band7 5MHz QPSK HCH 2567.5MHz RB 25 0 NTNV

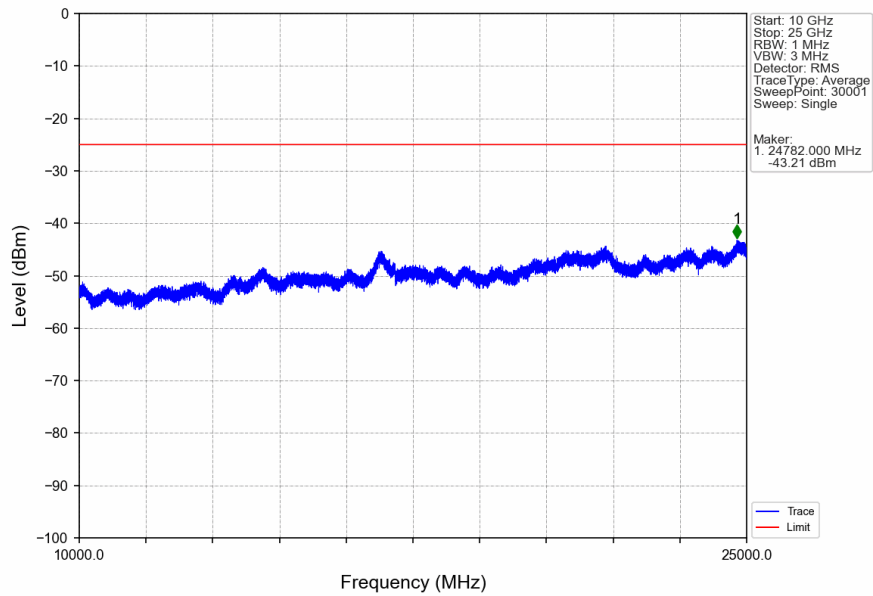


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2565	2570	0.104	CHP	/	/	/	/	/
2570	2571	0.104	CHP	1	2570.010	-26.92	-10	Pass
2571	2575	1	CHP	2	2571.510	-28.28	-10	Pass
2575	2576	1	CHP	3	2575.005	-36.10	-13	Pass
2576	2580	1	CHP	4	2576.085	-38.38	-25	Pass

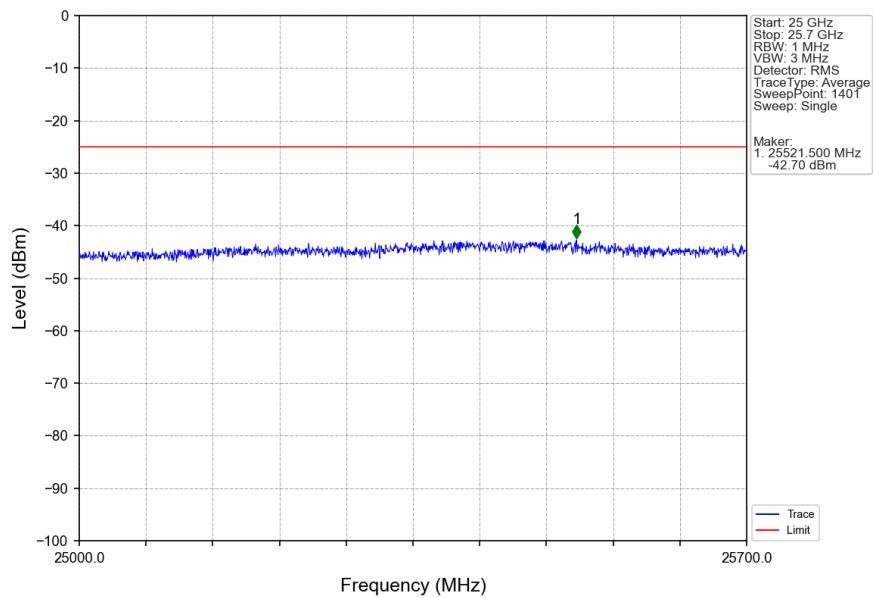
5.2.2 B7_10MHz



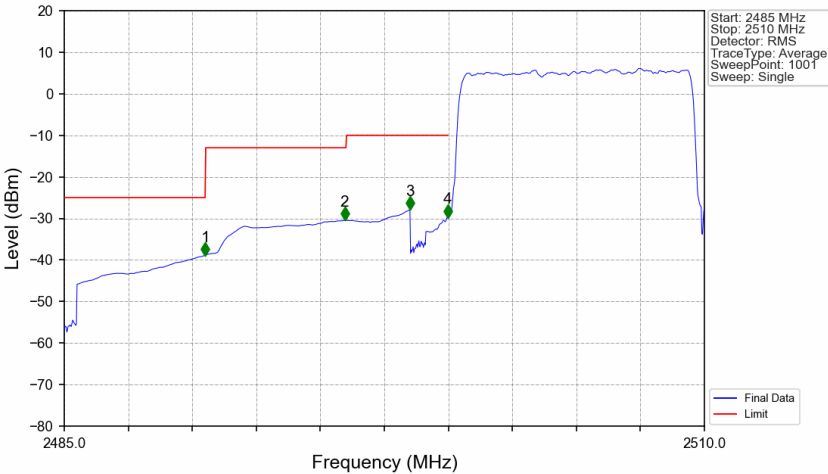
Band7_10MHz_QPSK_LCH_2505MHz_RB_1_0_NTNV



Band7_10MHz_QPSK_LCH_2505MHz_RB_1_0_NTNV

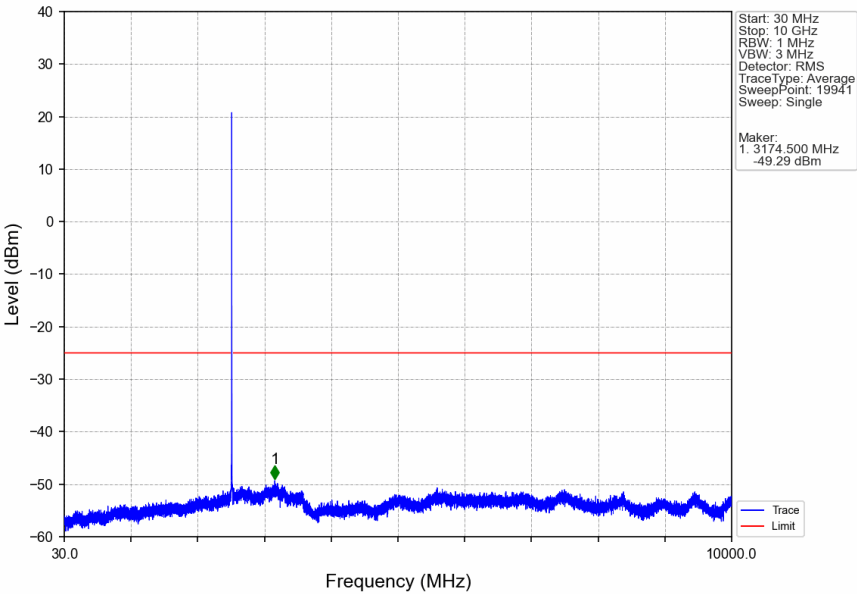


Band7 10MHz QPSK LCH 2505MHz RB 50 0 NTNV

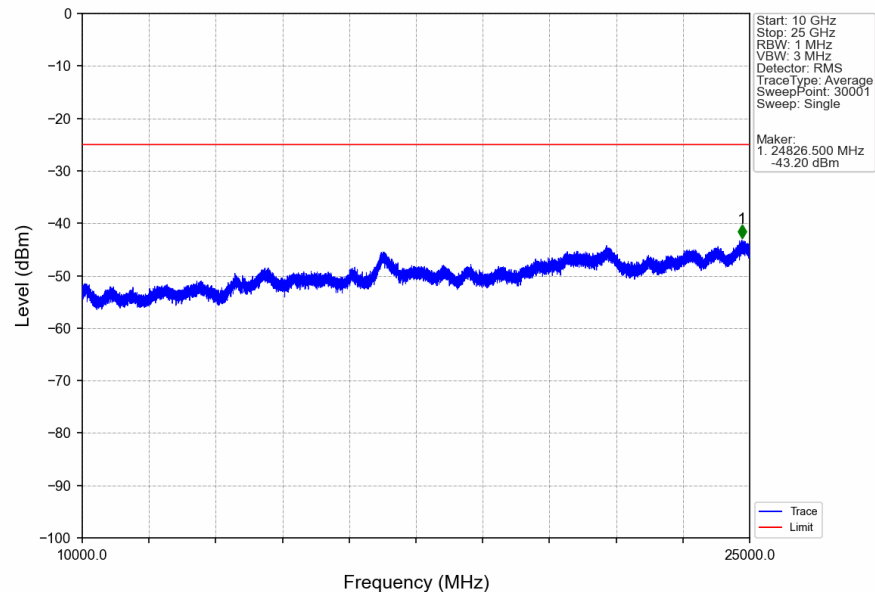


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2490.500	-38.88	-25	Pass
2490.5	2496	1	CHP	2	2495.950	-30.47	-13	Pass
2496	2499	1	CHP	3	2498.500	-27.93	-10	Pass
2499	2500	0.203	CHP	4	2499.975	-29.76	-10	Pass
2500	2510	0.203	CHP	/	/	/	/	/

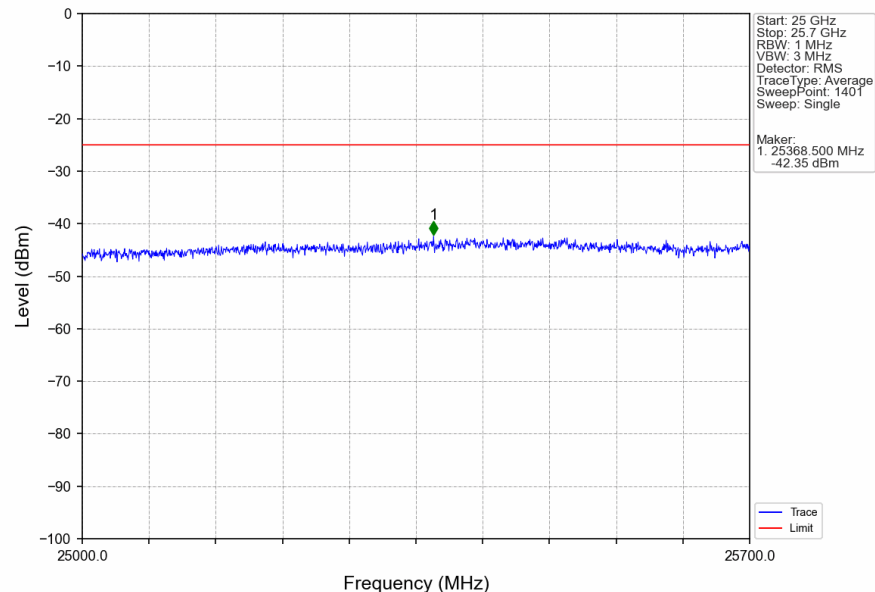
Band7 10MHz QPSK MCH 2535MHz RB 1 0 NTNV



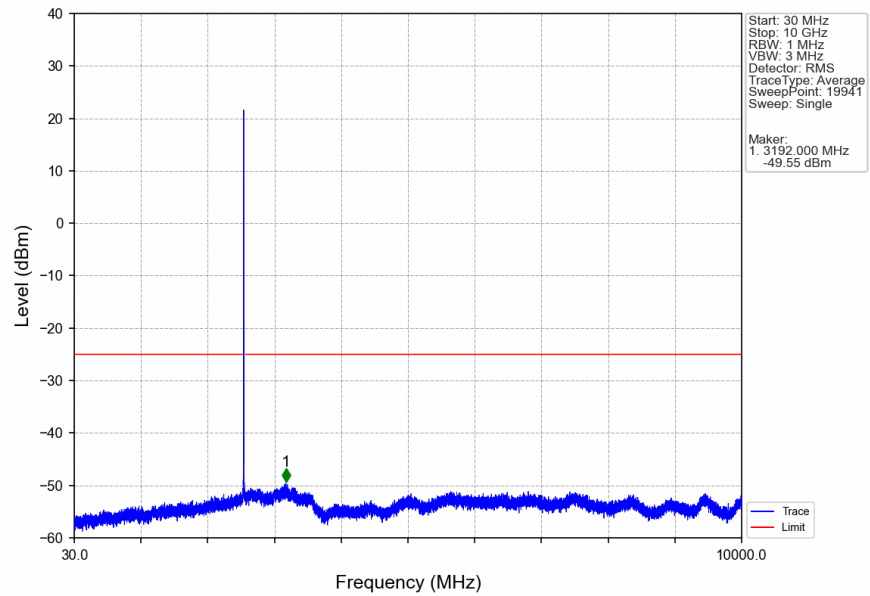
Band7_10MHz_QPSK_MCH_2535MHz_RB_1_0_NTNV



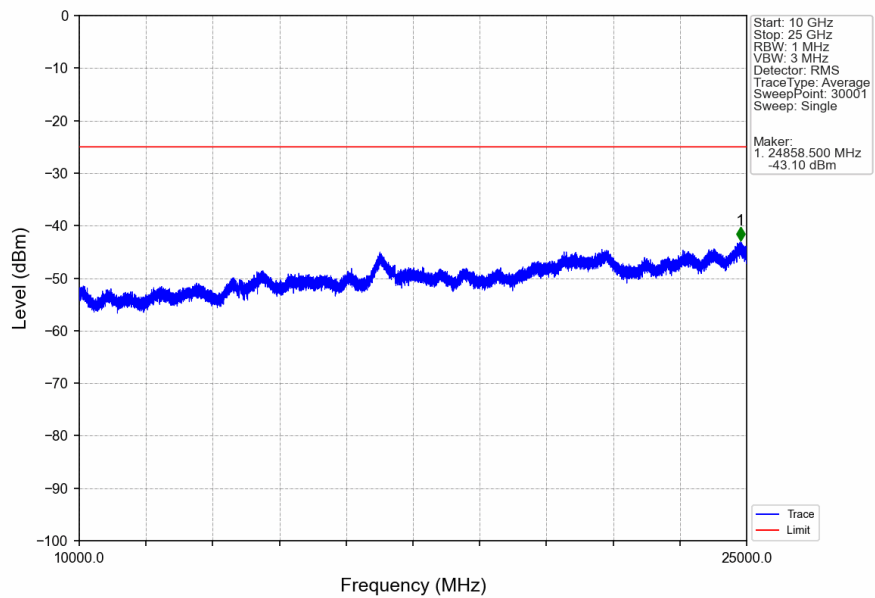
Band7_10MHz_QPSK_MCH_2535MHz_RB_1_0_NTNV



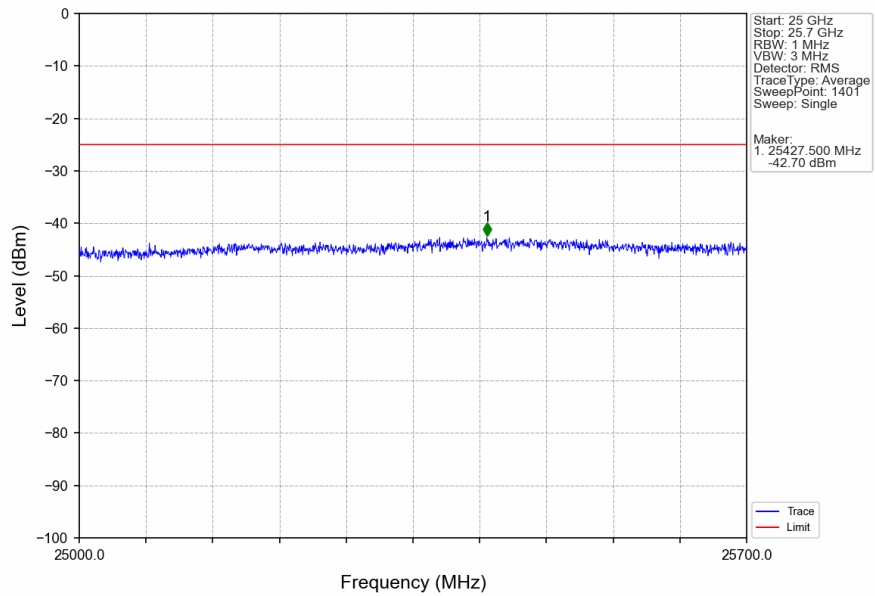
Band7_10MHz_QPSK_HCH_2565MHz_RB_1_0_NTNV



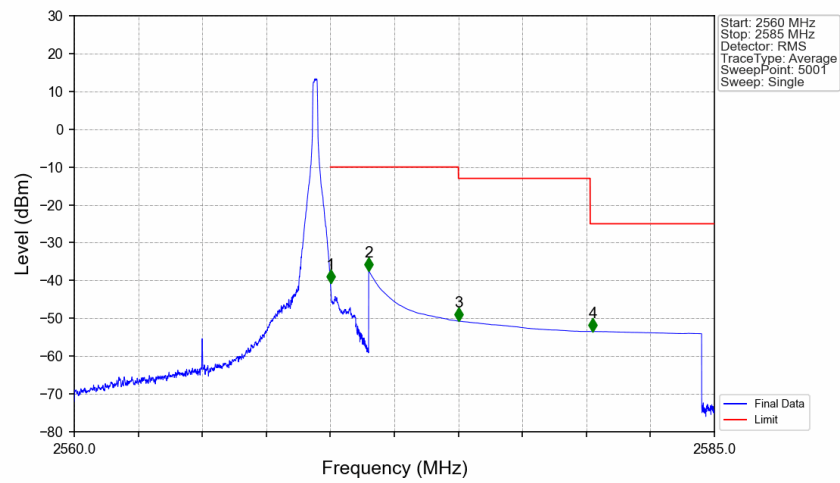
Band7_10MHz_QPSK_HCH_2565MHz_RB_1_0_NTNV



Band7_10MHz_QPSK_HCH_2565MHz_RB_1_0_NTNV

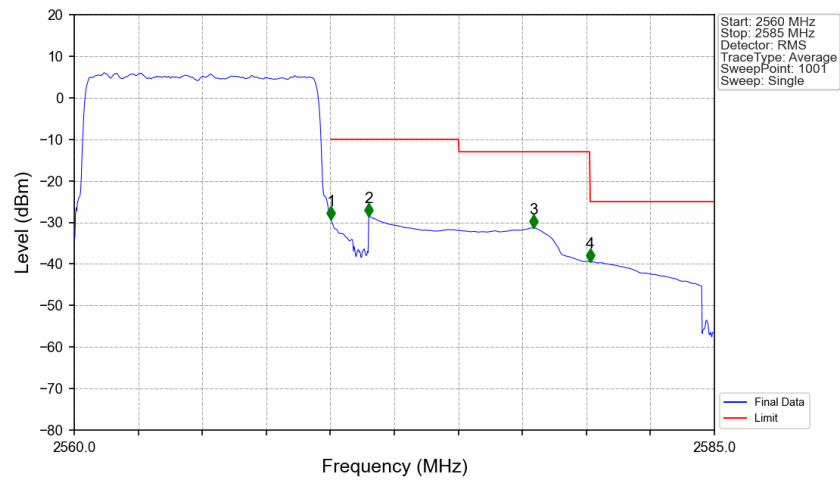


Band7_10MHz_QPSK_HCH_2565MHz_RB_1_49_NTNV



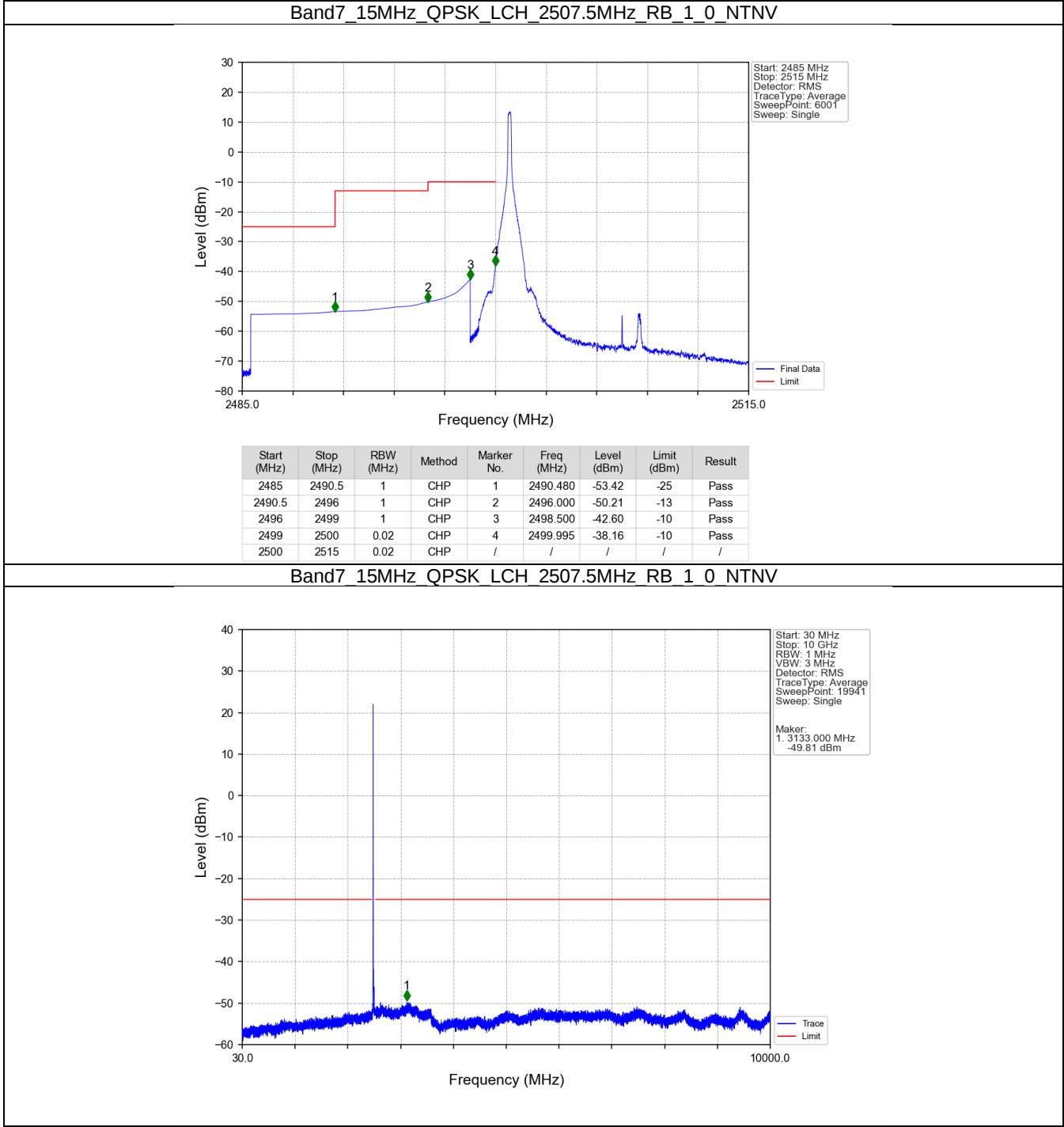
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2560	2570	0.02	CHP	/	/	/	/	/
2570	2571	0.02	CHP	1	2570.005	-40.63	-10	Pass
2571	2575	1	CHP	2	2571.500	-37.42	-10	Pass
2575	2580.148	1	CHP	3	2575.005	-50.74	-13	Pass
2580.148	2585	1	CHP	4	2580.255	-53.46	-25	Pass

Band7 10MHz QPSK HCH 2565MHz RB 50 0 NTNV

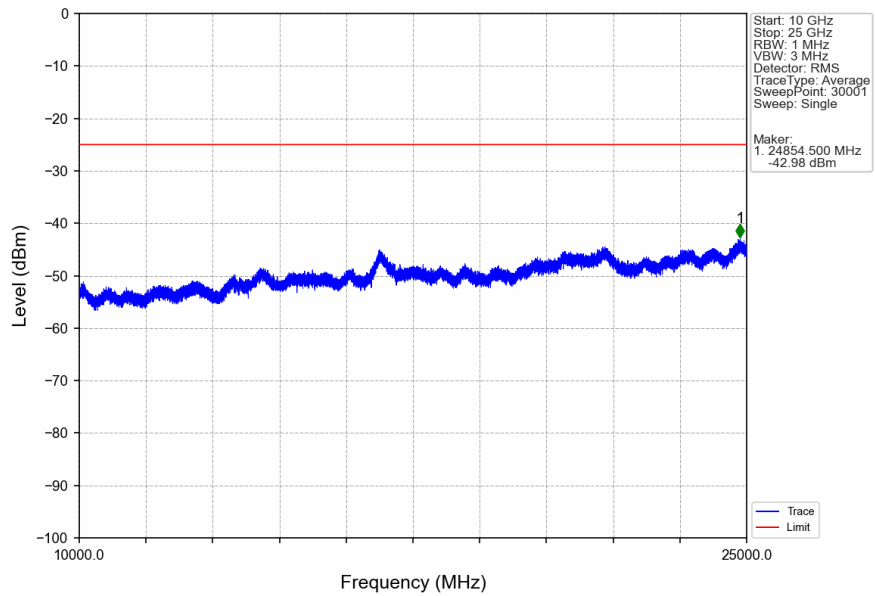


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2560	2570	0.203	CHP	/	/	/	/	/
2570	2571	0.203	CHP	1	2570.025	-29.38	-10	Pass
2571	2575	1	CHP	2	2571.500	-28.50	-10	Pass
2575	2580.148	1	CHP	3	2577.950	-31.32	-13	Pass
2580.148	2585	1	CHP	4	2580.150	-39.47	-25	Pass

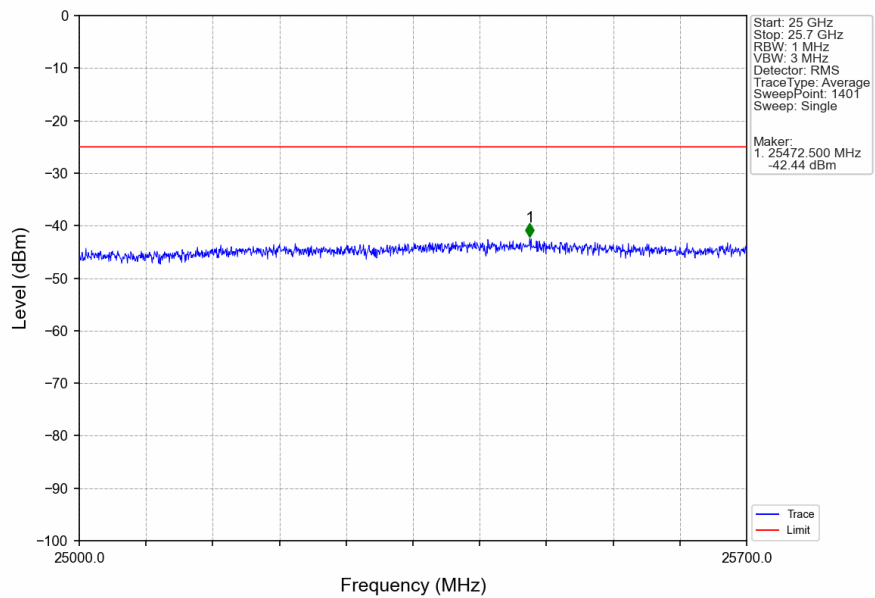
5.2.3 B7_15MHz



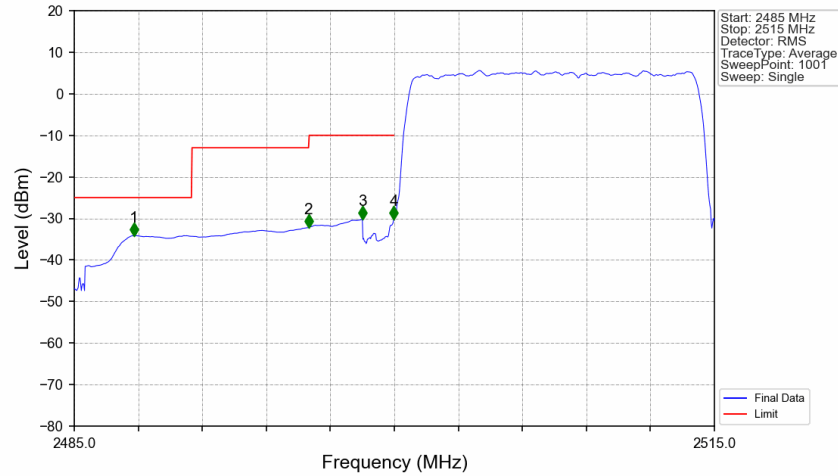
Band7 15MHz QPSK LCH 2507.5MHz RB 1 0 NTV



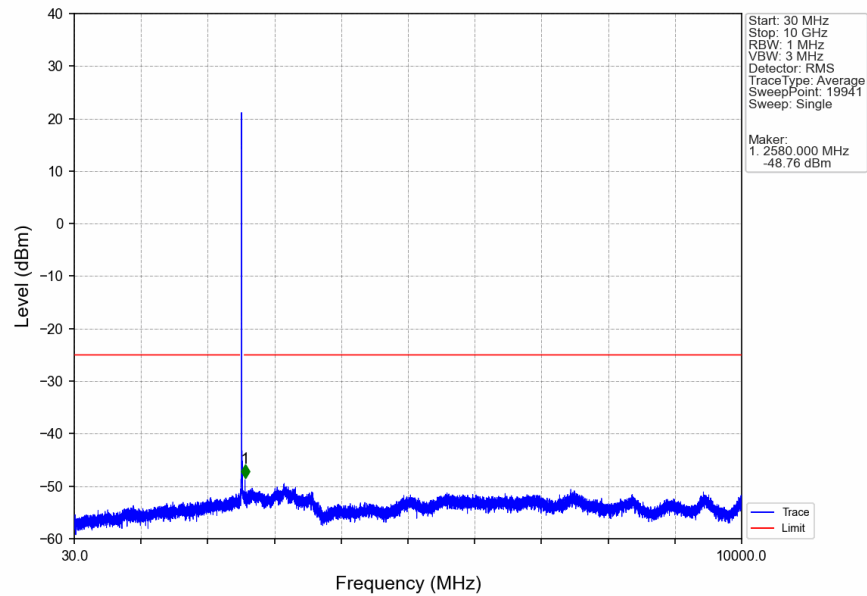
Band7 15MHz QPSK LCH 2507.5MHz RB 1 0 NTV



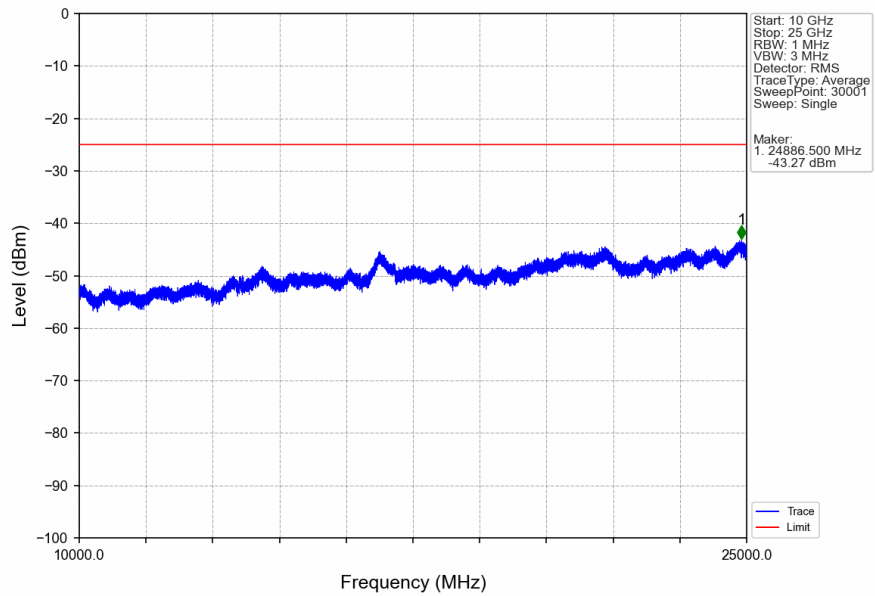
Band7 15MHz QPSK LCH 2507.5MHz RB 75 0 NTNV



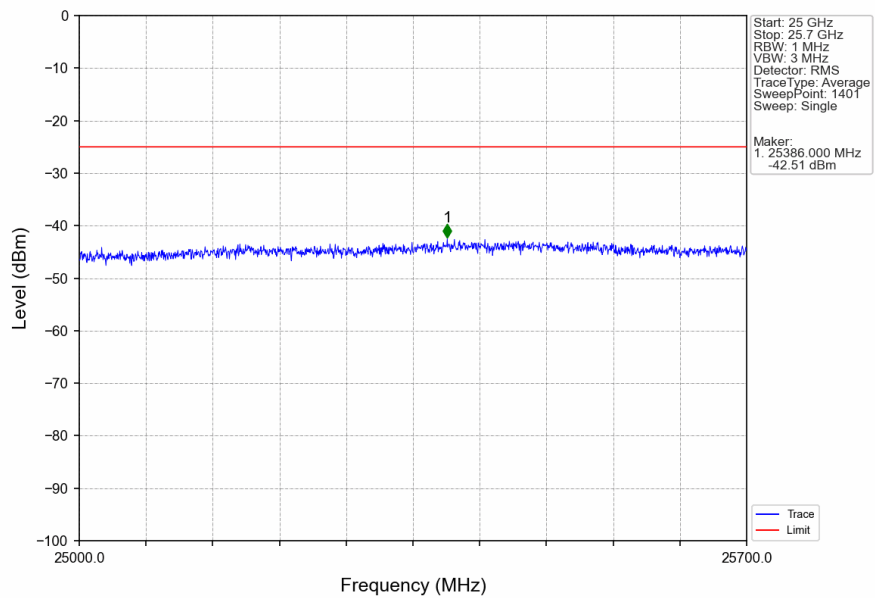
Band7 15MHz QPSK MCH 2535MHz RB 1 0 NTNV



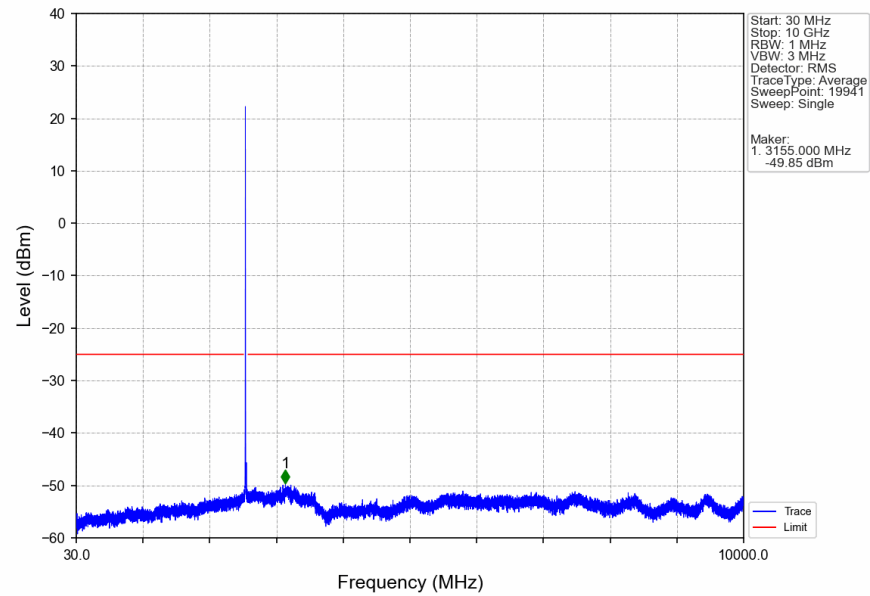
Band7 15MHz QPSK MCH 2535MHz RB 1 0 NTN



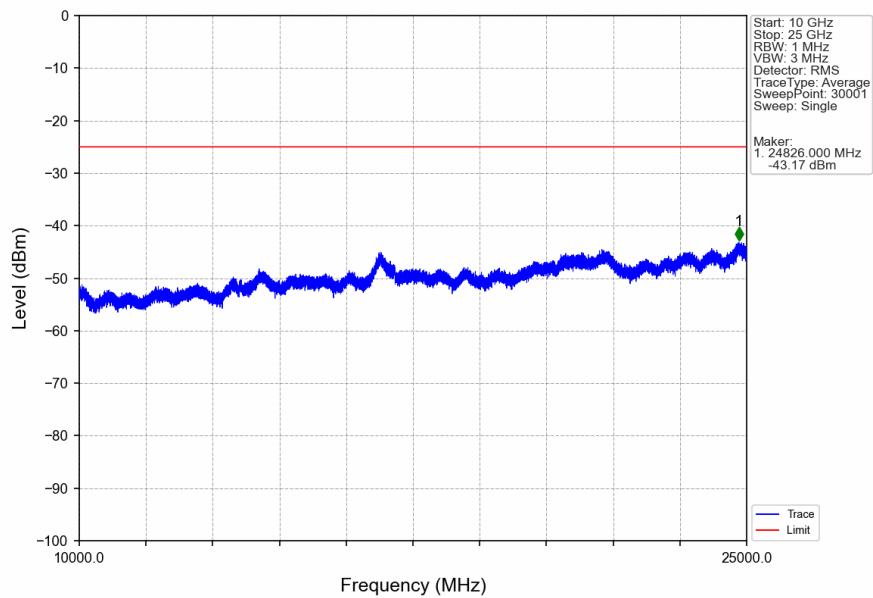
Band7 15MHz QPSK MCH 2535MHz RB 1 0 NTN



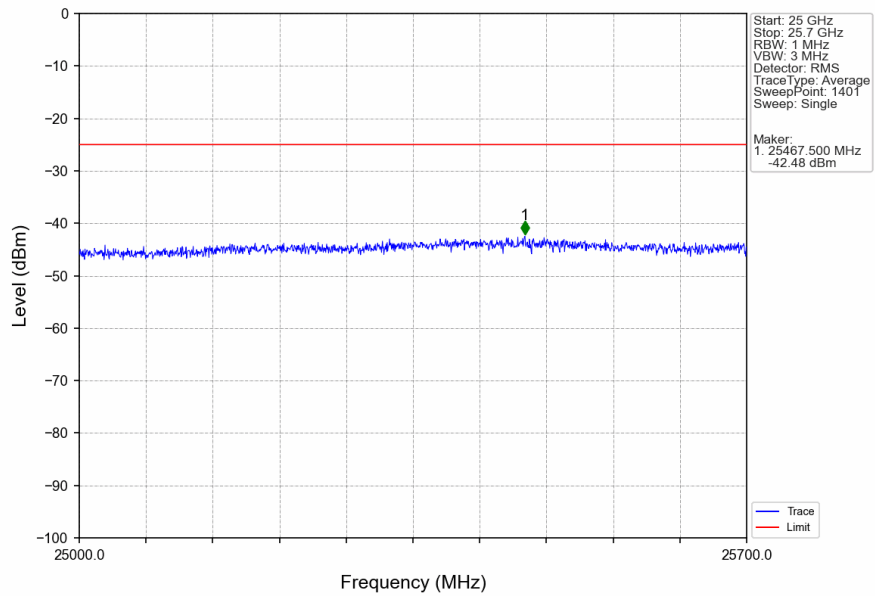
Band7_15MHz_QPSK_HCH_2562.5MHz_RB_1_0_NTNV



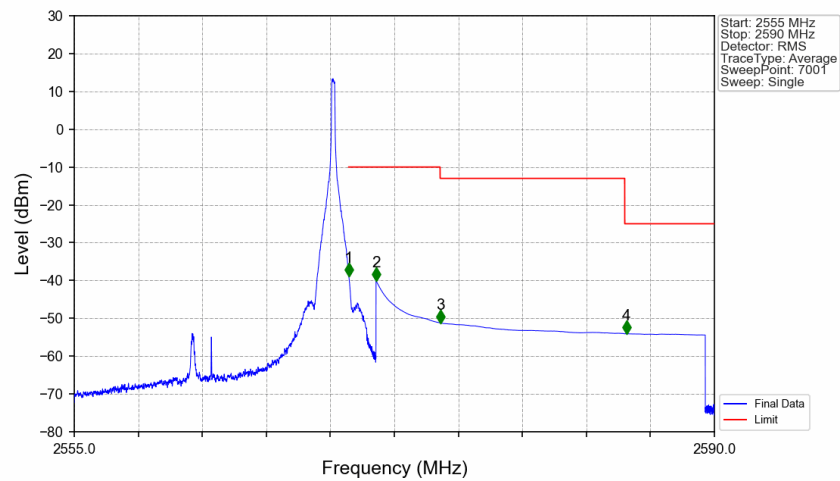
Band7_15MHz_QPSK_HCH_2562.5MHz_RB_1_0_NTNV



Band7 15MHz QPSK HCH 2562.5MHz RB 1 0 NTNV

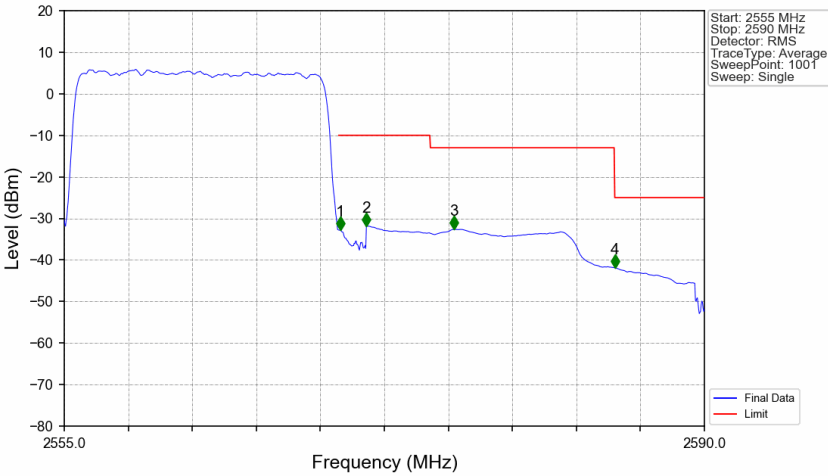


Band7 15MHz QPSK HCH 2562.5MHz RB 1 74 NTNV



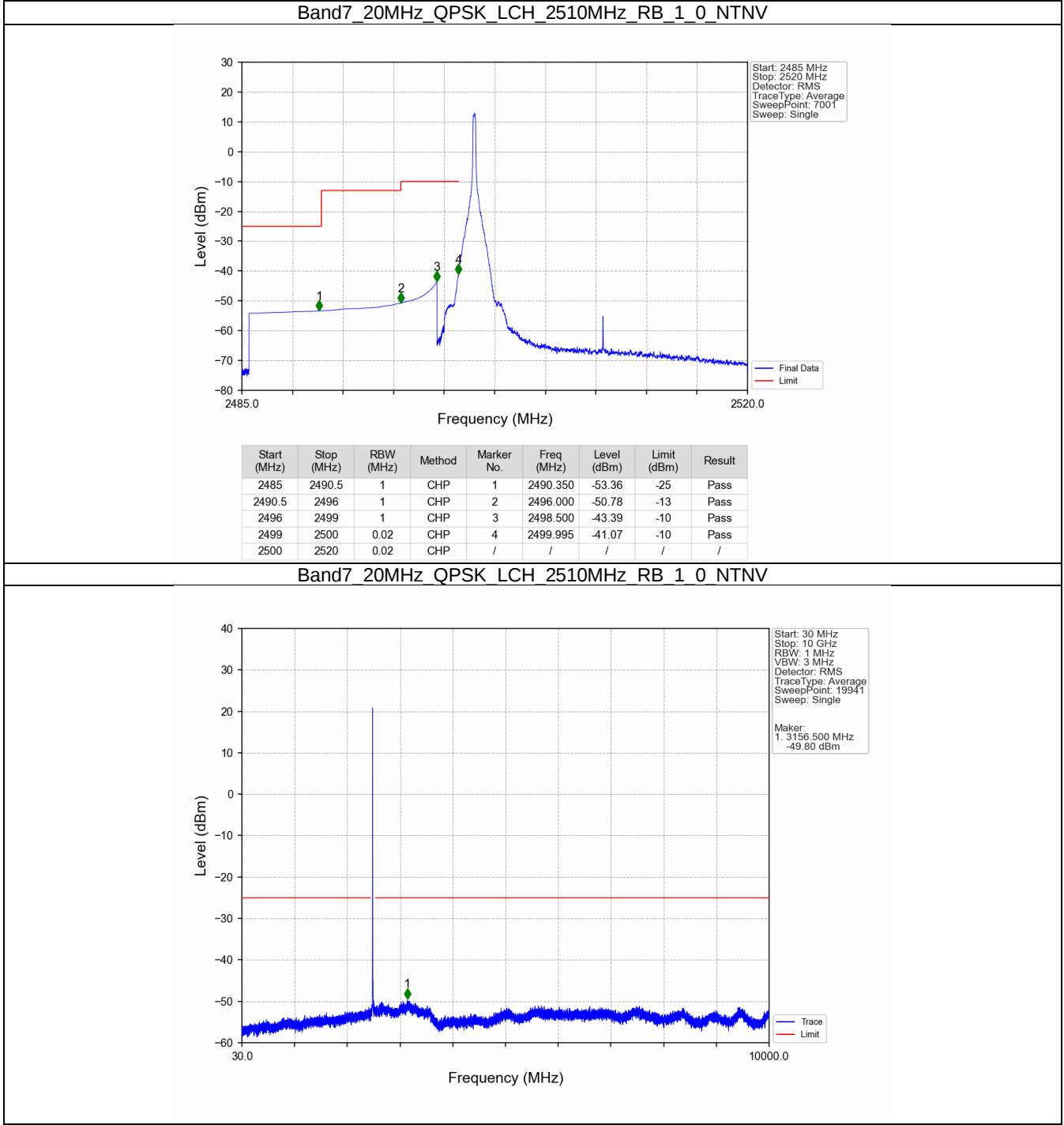
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2555	2570	0.02	CHP	/	/	/	/	/
2570	2571	0.02	CHP	1	2570.005	-38.87	-10	Pass
2571	2575	1	CHP	2	2571.500	-39.99	-10	Pass
2575	2585.097	1	CHP	3	2575.005	-51.20	-13	Pass
2585.097	2590	1	CHP	4	2585.195	-54.07	-25	Pass

Band7 15MHz QPSK HCH 2562.5MHz RB 75 0 NTV

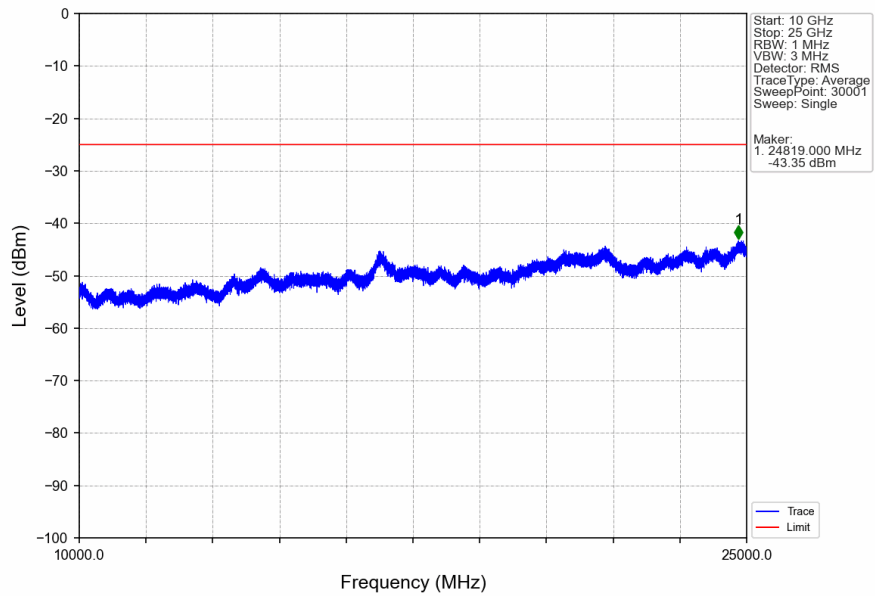


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2555	2570	0.302	CHP	/	/	/	/	/
2570	2571	0.302	CHP	1	2570.085	-32.78	-10	Pass
2571	2575	1	CHP	2	2571.520	-31.79	-10	Pass
2575	2585.097	1	CHP	3	2576.315	-32.65	-13	Pass
2585.097	2590	1	CHP	4	2585.100	-41.92	-25	Pass

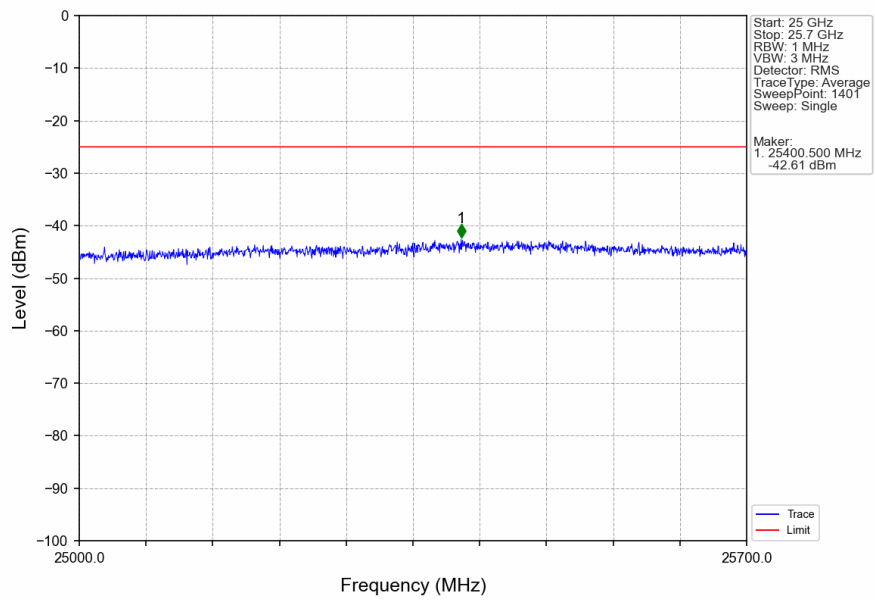
5.2.4 B7_20MHz



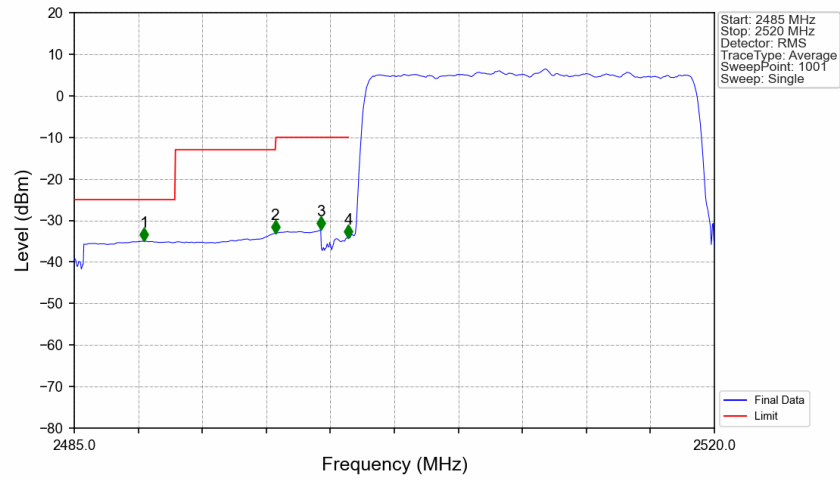
Band7 20MHz QPSK LCH 2510MHz RB 1 0 NTNV



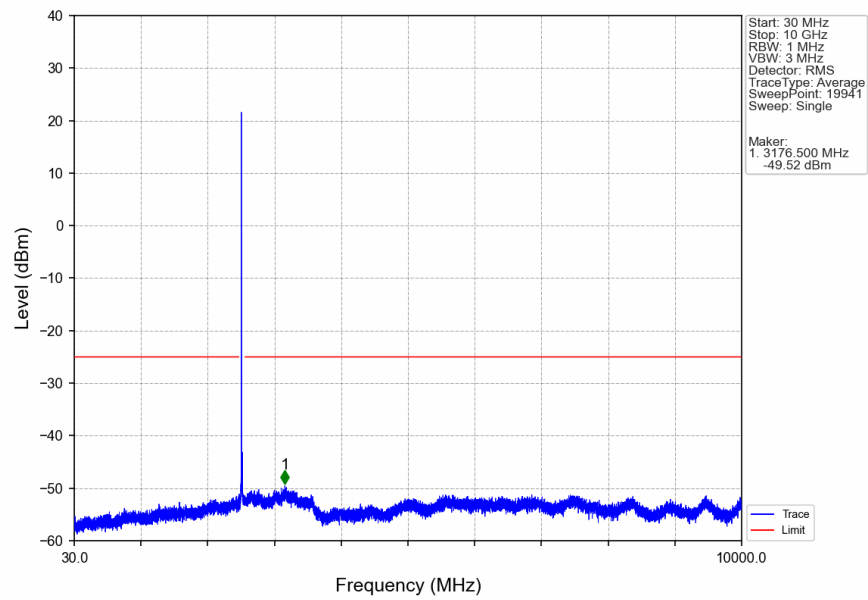
Band7 20MHz QPSK LCH 2510MHz RB 1 0 NTNV



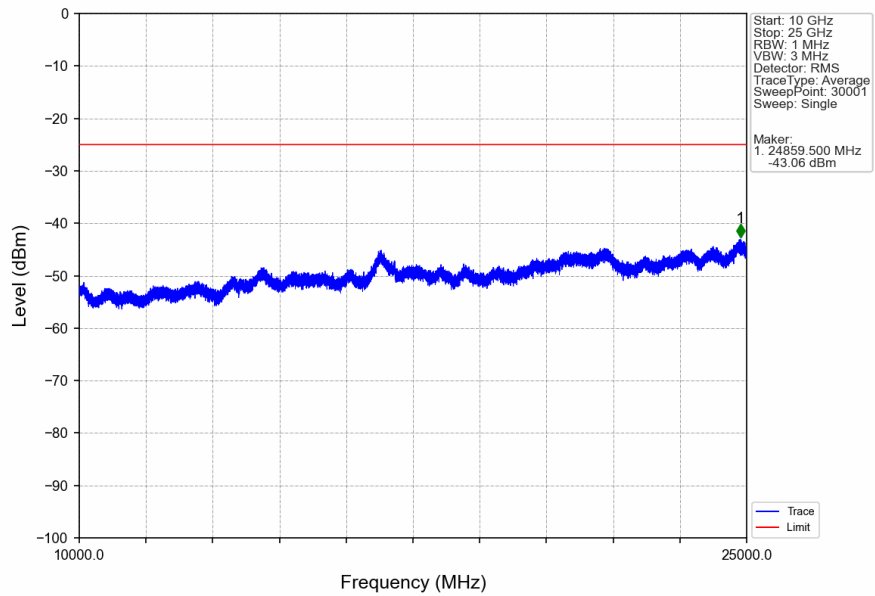
Band7 20MHz QPSK LCH 2510MHz RB 100 0 NTNV



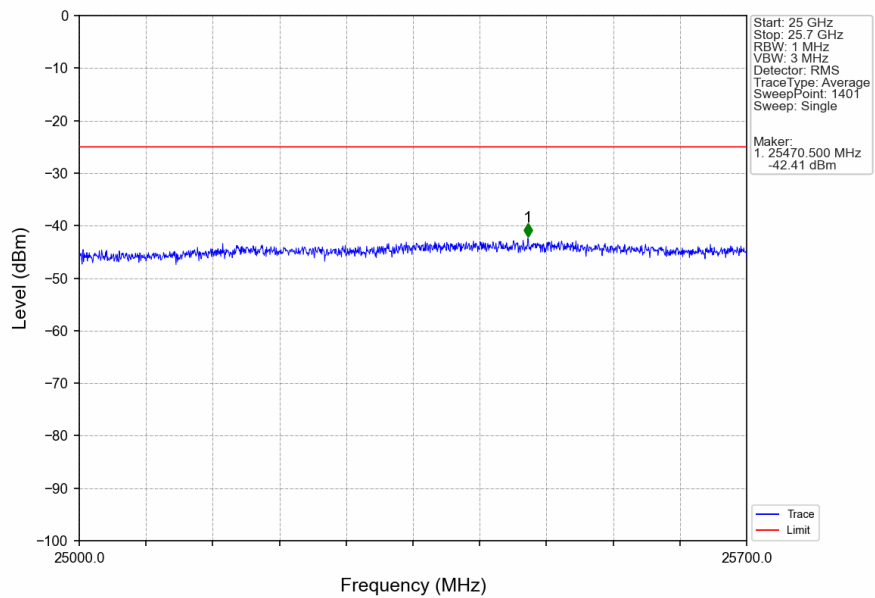
Band7 20MHz QPSK MCH 2535MHz RB 1 0 NTNV



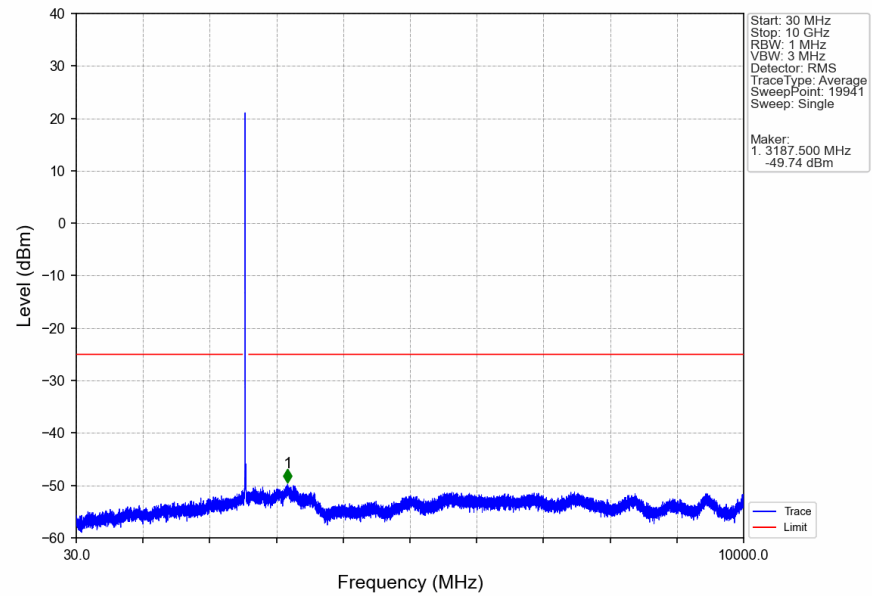
Band7 20MHz QPSK MCH 2535MHz RB 1 0 NTN



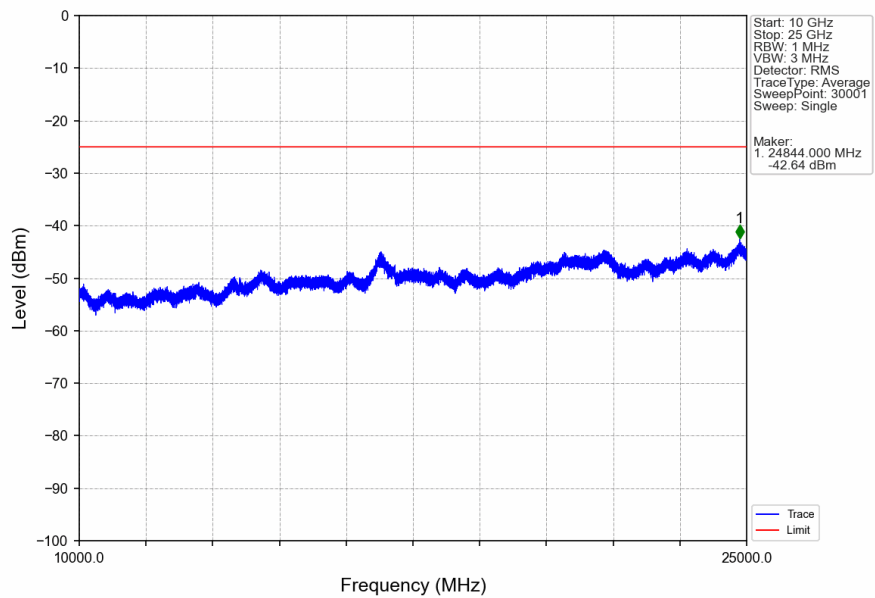
Band7 20MHz QPSK MCH 2535MHz RB 1 0 NTN



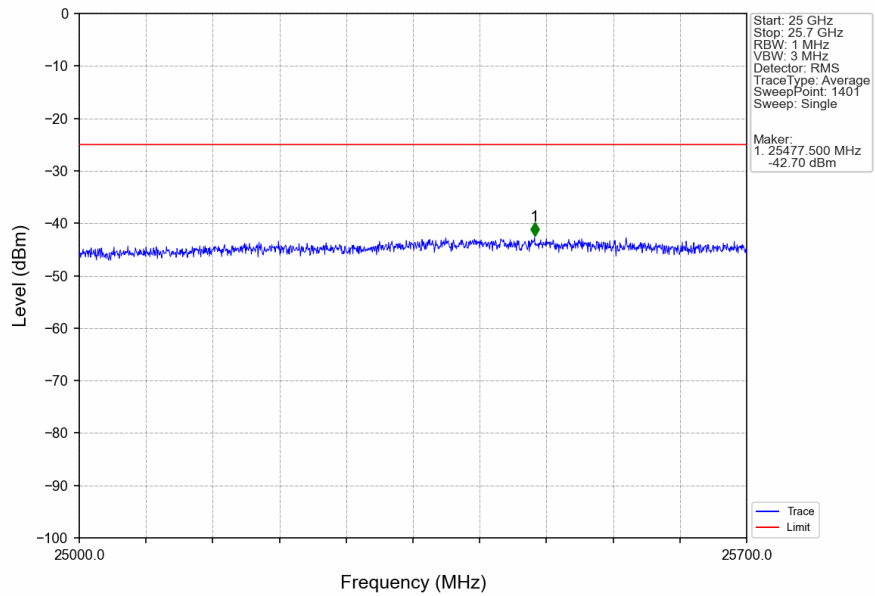
Band7_20MHz_QPSK_HCH_2560MHz_RB_1_0_NTNV



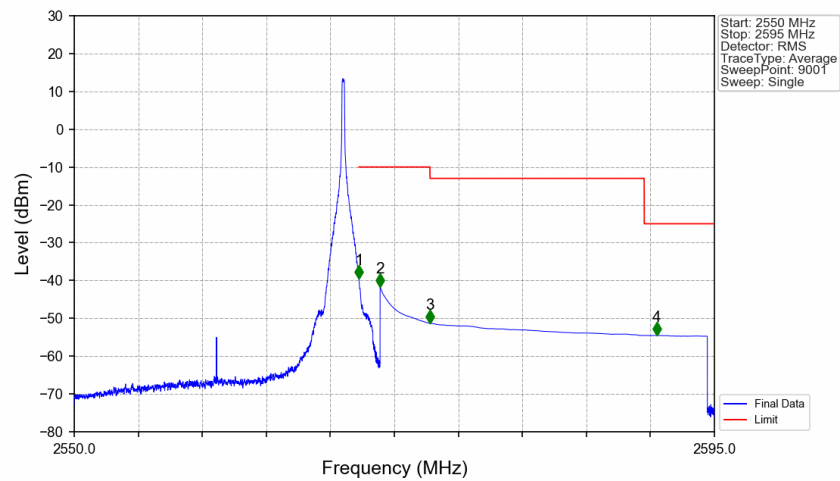
Band7_20MHz_QPSK_HCH_2560MHz_RB_1_0_NTNV



Band7 20MHz QPSK HCH 2560MHz RB 1 0 NTN

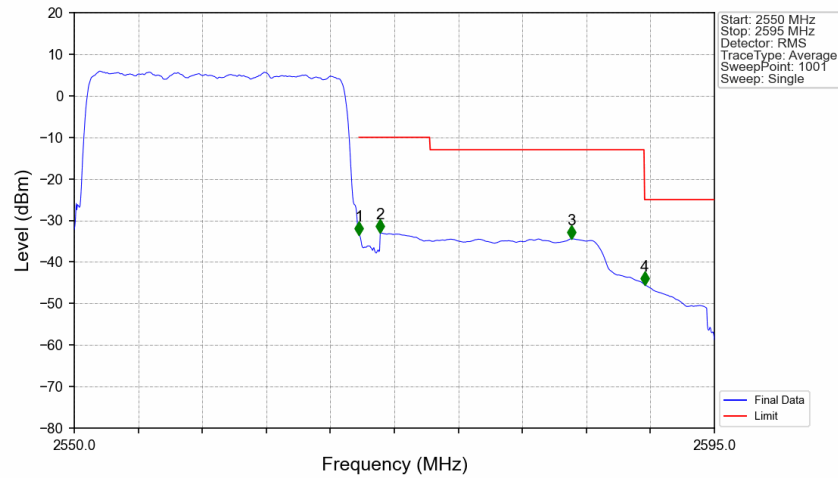


Band7_20MHz_QPSK_HCH_2560MHz_RB_1_99 NTN



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	2570.005	-39.40	-10	Pass
2571	2575	1	CHP	2	2571.500	-41.60	-10	Pass
2575	2590.064	1	CHP	3	2575.015	-51.32	-13	Pass
2590.064	2595	1	CHP	4	2590.935	-54.51	-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	0.401	CHP	/	/	/	/	/
2570	2571	0.401	CHP	1	2570.025	-33.42	-10	Pass
2571	2575	1	CHP	2	2571.510	-32.95	-10	Pass
2575	2590.064	1	CHP	3	2584.965	-34.43	-13	Pass
2590.064	2595	1	CHP	4	2590.095	-45.49	-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	-53.52	-25	-28.52	-59.09	4.57	10.14	Horizontal	Pass
7503.0	-57.02	-25	-32.02	-63.82	4.94	11.74	Horizontal	Pass
10004.0	-54.47	-25	-29.47	-62.04	5.46	13.03	Horizontal	Pass
5002.0	-55.18	-25	-30.18	-60.75	4.57	10.14	Vertical	Pass
7503.0	-54.57	-25	-29.57	-61.37	4.94	11.74	Vertical	Pass
10004.0	-55.26	-25	-30.26	-62.83	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	-52.32	-25	-27.32	-57.9	4.59	10.17	Horizontal	Pass
7578.0	-53.57	-25	-28.57	-60.45	4.95	11.83	Horizontal	Pass
10104.0	-56.72	-25	-31.72	-64.29	5.48	13.05	Horizontal	Pass
5052.0	-52.7	-25	-27.7	-58.28	4.59	10.17	Vertical	Pass
7578.0	-54.46	-25	-29.46	-61.34	4.95	11.83	Vertical	Pass
10104.0	-55.07	-25	-30.07	-62.64	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	-55.08	-25	-30.08	-60.68	4.6	10.2	Horizontal	Pass
7653.0	-55.11	-25	-30.11	-62.08	4.95	11.92	Horizontal	Pass
10204.0	-53.87	-25	-28.87	-61.45	5.49	13.07	Horizontal	Pass
5102.0	-53.0	-25	-28.0	-58.6	4.6	10.2	Vertical	Pass
7653.0	-54.94	-25	-29.94	-61.91	4.95	11.92	Vertical	Pass
10204.0	-52.44	-25	-27.44	-60.02	5.49	13.07	Vertical	Pass