

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	23.24	-2.10	21.14	<=33.01	Pass
			13	23.24	-2.10	21.14	<=33.01	Pass
			24	23.41	-2.10	21.31	<=33.01	Pass
		12	0	22.31	-2.10	20.21	<=33.01	Pass
			6	22.33	-2.10	20.23	<=33.01	Pass
			13	22.38	-2.10	20.28	<=33.01	Pass
		25	0	22.36	-2.10	20.26	<=33.01	Pass
	2535	1	0	23.41	-2.10	21.31	<=33.01	Pass
			13	23.39	-2.10	21.29	<=33.01	Pass
			24	23.35	-2.10	21.25	<=33.01	Pass
		12	0	22.44	-2.10	20.34	<=33.01	Pass
			6	22.40	-2.10	20.30	<=33.01	Pass
			13	22.39	-2.10	20.29	<=33.01	Pass
		25	0	22.44	-2.10	20.34	<=33.01	Pass
	2567.5	1	0	23.00	-2.10	20.90	<=33.01	Pass
			13	22.98	-2.10	20.88	<=33.01	Pass
			24	22.99	-2.10	20.89	<=33.01	Pass
		12	0	22.06	-2.10	19.96	<=33.01	Pass
			6	22.06	-2.10	19.96	<=33.01	Pass
			13	22.05	-2.10	19.95	<=33.01	Pass
		25	0	22.07	-2.10	19.97	<=33.01	Pass
16QAM	2502.5	1	0	22.49	-2.10	20.39	<=33.01	Pass
			13	22.48	-2.10	20.38	<=33.01	Pass
			24	22.62	-2.10	20.52	<=33.01	Pass
		12	0	21.36	-2.10	19.26	<=33.01	Pass
			6	21.38	-2.10	19.28	<=33.01	Pass
			13	21.41	-2.10	19.31	<=33.01	Pass
		25	0	21.38	-2.10	19.28	<=33.01	Pass
	2535	1	0	22.59	-2.10	20.49	<=33.01	Pass
			13	22.66	-2.10	20.56	<=33.01	Pass
			24	22.56	-2.10	20.46	<=33.01	Pass
		12	0	21.44	-2.10	19.34	<=33.01	Pass
			6	21.42	-2.10	19.32	<=33.01	Pass
			13	21.34	-2.10	19.24	<=33.01	Pass
		25	0	21.44	-2.10	19.34	<=33.01	Pass
	2567.5	1	0	22.24	-2.10	20.14	<=33.01	Pass
			13	22.13	-2.10	20.03	<=33.01	Pass
			24	22.39	-2.10	20.29	<=33.01	Pass
		12	0	21.07	-2.10	18.97	<=33.01	Pass
			6	21.10	-2.10	19.00	<=33.01	Pass
			13	21.04	-2.10	18.94	<=33.01	Pass
		25	0	21.06	-2.10	18.96	<=33.01	Pass
64QAM	2502.5	1	0	21.40	-2.10	19.30	<=33.01	Pass
			13	21.39	-2.10	19.29	<=33.01	Pass
			24	21.52	-2.10	19.42	<=33.01	Pass
		12	0	20.41	-2.10	18.31	<=33.01	Pass
			6	20.41	-2.10	18.31	<=33.01	Pass
			13	20.42	-2.10	18.32	<=33.01	Pass
		25	0	20.35	-2.10	18.25	<=33.01	Pass

	2535	1	0	21.59	-2.10	19.49	<=33.01	Pass
			13	21.64	-2.10	19.54	<=33.01	Pass
			24	21.64	-2.10	19.54	<=33.01	Pass
		12	0	20.53	-2.10	18.43	<=33.01	Pass
			6	20.44	-2.10	18.34	<=33.01	Pass
			13	20.43	-2.10	18.33	<=33.01	Pass
		25	0	20.45	-2.10	18.35	<=33.01	Pass
		13	21.21	-2.10	19.11	<=33.01	Pass	
		24	21.32	-2.10	19.22	<=33.01	Pass	
	12	0	20.09	-2.10	17.99	<=33.01	Pass	
		6	20.11	-2.10	18.01	<=33.01	Pass	
		13	20.10	-2.10	18.00	<=33.01	Pass	
	25	0	20.08	-2.10	17.98	<=33.01	Pass	

256QAM	2502.5	1	0	18.35	-2.10	16.25	<=33.01	Pass
			13	18.36	-2.10	16.26	<=33.01	Pass
			24	18.44	-2.10	16.34	<=33.01	Pass
		12	0	18.36	-2.10	16.26	<=33.01	Pass
			6	18.27	-2.10	16.17	<=33.01	Pass
			13	18.38	-2.10	16.28	<=33.01	Pass
		25	0	18.29	-2.10	16.19	<=33.01	Pass
	13	18.49	-2.10	16.39	<=33.01	Pass		
	24	18.42	-2.10	16.32	<=33.01	Pass		
	12	0	18.45	-2.10	16.35	<=33.01	Pass	
		6	18.37	-2.10	16.27	<=33.01	Pass	
		13	18.37	-2.10	16.27	<=33.01	Pass	
	25	0	18.42	-2.10	16.32	<=33.01	Pass	
	13	18.18	-2.10	16.08	<=33.01	Pass		
	24	18.18	-2.10	16.08	<=33.01	Pass		
	12	0	17.99	-2.10	15.89	<=33.01	Pass	
		6	18.09	-2.10	15.99	<=33.01	Pass	
		13	18.05	-2.10	15.95	<=33.01	Pass	
	25	0	18.06	-2.10	15.96	<=33.01	Pass	

Note1: EIRP=Conducted Power+Antenna Gain								
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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	-2.10	21.12	<=33.01	Pass
			25	23.38	-2.10	21.28	<=33.01	Pass
			49	23.53	-2.10	21.43	<=33.01	Pass
		25	0	22.35	-2.10	20.25	<=33.01	Pass
			13	22.42	-2.10	20.32	<=33.01	Pass
			25	22.44	-2.10	20.34	<=33.01	Pass
		50	0	22.41	-2.10	20.31	<=33.01	Pass
	2535	1	0	23.43	-2.10	21.33	<=33.01	Pass
			25	23.55	-2.10	21.45	<=33.01	Pass
			49	23.24	-2.10	21.14	<=33.01	Pass
		25	0	22.43	-2.10	20.33	<=33.01	Pass
			13	22.43	-2.10	20.33	<=33.01	Pass
			25	22.38	-2.10	20.28	<=33.01	Pass
		50	0	22.41	-2.10	20.31	<=33.01	Pass
	2565	1	0	23.08	-2.10	20.98	<=33.01	Pass

		25	25	23.11	-2.10	21.01	<=33.01	Pass
			49	23.08	-2.10	20.98	<=33.01	Pass
			0	22.10	-2.10	20.00	<=33.01	Pass
			13	22.04	-2.10	19.94	<=33.01	Pass
			25	22.06	-2.10	19.96	<=33.01	Pass
		50	0	22.11	-2.10	20.01	<=33.01	Pass
16QAM	2505	1	0	22.49	-2.10	20.39	<=33.01	Pass
			25	22.62	-2.10	20.52	<=33.01	Pass
			49	22.69	-2.10	20.59	<=33.01	Pass
		25	0	21.37	-2.10	19.27	<=33.01	Pass
			13	21.42	-2.10	19.32	<=33.01	Pass
			25	21.44	-2.10	19.34	<=33.01	Pass
		50	0	21.39	-2.10	19.29	<=33.01	Pass
	2535	1	0	22.66	-2.10	20.56	<=33.01	Pass
			25	22.67	-2.10	20.57	<=33.01	Pass
			49	22.56	-2.10	20.46	<=33.01	Pass
		25	0	21.44	-2.10	19.34	<=33.01	Pass
			13	21.43	-2.10	19.33	<=33.01	Pass
			25	21.38	-2.10	19.28	<=33.01	Pass
		50	0	21.41	-2.10	19.31	<=33.01	Pass
	2565	1	0	22.36	-2.10	20.26	<=33.01	Pass
			25	22.33	-2.10	20.23	<=33.01	Pass
			49	22.28	-2.10	20.18	<=33.01	Pass
		25	0	21.07	-2.10	18.97	<=33.01	Pass
			13	21.04	-2.10	18.94	<=33.01	Pass
			25	21.04	-2.10	18.94	<=33.01	Pass
		50	0	21.07	-2.10	18.97	<=33.01	Pass
64QAM	2505	1	0	21.53	-2.10	19.43	<=33.01	Pass
			25	21.58	-2.10	19.48	<=33.01	Pass
			49	21.55	-2.10	19.45	<=33.01	Pass
		25	0	20.33	-2.10	18.23	<=33.01	Pass
			13	20.42	-2.10	18.32	<=33.01	Pass
			25	20.42	-2.10	18.32	<=33.01	Pass
		50	0	20.38	-2.10	18.28	<=33.01	Pass
	2535	1	0	21.66	-2.10	19.56	<=33.01	Pass
			25	21.58	-2.10	19.48	<=33.01	Pass
			49	21.49	-2.10	19.39	<=33.01	Pass
		25	0	20.42	-2.10	18.32	<=33.01	Pass
			13	20.43	-2.10	18.33	<=33.01	Pass
			25	20.41	-2.10	18.31	<=33.01	Pass
		50	0	20.41	-2.10	18.31	<=33.01	Pass
	2565	1	0	21.21	-2.10	19.11	<=33.01	Pass
			25	21.12	-2.10	19.02	<=33.01	Pass
			49	21.18	-2.10	19.08	<=33.01	Pass
		25	0	20.06	-2.10	17.96	<=33.01	Pass
			13	20.06	-2.10	17.96	<=33.01	Pass
			25	20.02	-2.10	17.92	<=33.01	Pass
		50	0	20.07	-2.10	17.97	<=33.01	Pass
256QAM	2505	1	0	18.35	-2.10	16.25	<=33.01	Pass
			25	18.51	-2.10	16.41	<=33.01	Pass
			49	18.57	-2.10	16.47	<=33.01	Pass
		25	0	18.33	-2.10	16.23	<=33.01	Pass
			13	18.38	-2.10	16.28	<=33.01	Pass
			25	18.39	-2.10	16.29	<=33.01	Pass
		50	0	18.35	-2.10	16.25	<=33.01	Pass
	2535	1	0	18.64	-2.10	16.54	<=33.01	Pass
			25	18.59	-2.10	16.49	<=33.01	Pass
			49	18.36	-2.10	16.26	<=33.01	Pass
		25	0	18.46	-2.10	16.36	<=33.01	Pass

			13	18.39	-2.10	16.29	<=33.01	Pass
			25	18.37	-2.10	16.27	<=33.01	Pass
		50	0	18.36	-2.10	16.26	<=33.01	Pass
	2565	1	0	18.18	-2.10	16.08	<=33.01	Pass
			25	18.04	-2.10	15.94	<=33.01	Pass
			49	18.17	-2.10	16.07	<=33.01	Pass
		25	0	18.07	-2.10	15.97	<=33.01	Pass
			13	17.99	-2.10	15.89	<=33.01	Pass
			25	18.04	-2.10	15.94	<=33.01	Pass
		50	0	18.07	-2.10	15.97	<=33.01	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.1.3 B7_15MHz_EIRP

Band: 7 / Bandwidth: 15MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	2507.5	1	0	23.20	-2.10	21.10	<=33.01	Pass
			38	23.46	-2.10	21.36	<=33.01	Pass
			74	23.47	-2.10	21.37	<=33.01	Pass
		36	0	22.39	-2.10	20.29	<=33.01	Pass
			18	22.48	-2.10	20.38	<=33.01	Pass
			39	22.50	-2.10	20.40	<=33.01	Pass
		75	0	22.46	-2.10	20.36	<=33.01	Pass
	2535	1	0	23.45	-2.10	21.35	<=33.01	Pass
			38	23.44	-2.10	21.34	<=33.01	Pass
			74	23.24	-2.10	21.14	<=33.01	Pass
		36	0	22.48	-2.10	20.38	<=33.01	Pass
			18	22.45	-2.10	20.35	<=33.01	Pass
			39	22.39	-2.10	20.29	<=33.01	Pass
		75	0	22.46	-2.10	20.36	<=33.01	Pass
	2562.5	1	0	23.09	-2.10	20.99	<=33.01	Pass
			38	23.04	-2.10	20.94	<=33.01	Pass
			74	23.00	-2.10	20.90	<=33.01	Pass
		36	0	22.14	-2.10	20.04	<=33.01	Pass
			18	22.10	-2.10	20.00	<=33.01	Pass
			39	22.08	-2.10	19.98	<=33.01	Pass
		75	0	22.15	-2.10	20.05	<=33.01	Pass
16QAM	2507.5	1	0	22.58	-2.10	20.48	<=33.01	Pass
			38	22.70	-2.10	20.60	<=33.01	Pass
			74	22.67	-2.10	20.57	<=33.01	Pass
		36	0	21.43	-2.10	19.33	<=33.01	Pass
			18	21.47	-2.10	19.37	<=33.01	Pass
			39	21.52	-2.10	19.42	<=33.01	Pass
		75	0	21.50	-2.10	19.40	<=33.01	Pass
	2535	1	0	22.68	-2.10	20.58	<=33.01	Pass
			38	22.73	-2.10	20.63	<=33.01	Pass
			74	22.64	-2.10	20.54	<=33.01	Pass
		36	0	21.45	-2.10	19.35	<=33.01	Pass
			18	21.43	-2.10	19.33	<=33.01	Pass
			39	21.41	-2.10	19.31	<=33.01	Pass
		75	0	21.46	-2.10	19.36	<=33.01	Pass
	2562.5	1	0	22.40	-2.10	20.30	<=33.01	Pass
			38	22.40	-2.10	20.30	<=33.01	Pass
			74	22.48	-2.10	20.38	<=33.01	Pass
		36	0	21.15	-2.10	19.05	<=33.01	Pass
			18	21.10	-2.10	19.00	<=33.01	Pass

			39	21.09	-2.10	18.99	<=33.01	Pass		
		75	0	21.12	-2.10	19.02	<=33.01	Pass		
64QAM	2507.5	1	0	21.48	-2.10	19.38	<=33.01	Pass		
			38	21.59	-2.10	19.49	<=33.01	Pass		
			74	21.64	-2.10	19.54	<=33.01	Pass		
			0	20.42	-2.10	18.32	<=33.01	Pass		
		36	18	20.50	-2.10	18.40	<=33.01	Pass		
			39	20.54	-2.10	18.44	<=33.01	Pass		
			75	0	20.47	-2.10	18.37	<=33.01	Pass	
		2535	1	0	21.67	-2.10	19.57	<=33.01	Pass	
				38	21.67	-2.10	19.57	<=33.01	Pass	
	74			21.48	-2.10	19.38	<=33.01	Pass		
	0			20.49	-2.10	18.39	<=33.01	Pass		
	36		18	20.48	-2.10	18.38	<=33.01	Pass		
			39	20.43	-2.10	18.33	<=33.01	Pass		
			75	0	20.44	-2.10	18.34	<=33.01	Pass	
	2562.5		1	0	21.32	-2.10	19.22	<=33.01	Pass	
				38	21.29	-2.10	19.19	<=33.01	Pass	
		74		21.22	-2.10	19.12	<=33.01	Pass		
		0		20.15	-2.10	18.05	<=33.01	Pass		
		36	18	20.13	-2.10	18.03	<=33.01	Pass		
			39	20.08	-2.10	17.98	<=33.01	Pass		
			75	0	20.14	-2.10	18.04	<=33.01	Pass	
		256QAM	2507.5	1	0	18.47	-2.10	16.37	<=33.01	Pass
					38	18.57	-2.10	16.47	<=33.01	Pass
74	18.61				-2.10	16.51	<=33.01	Pass		
36	0			18.38	-2.10	16.28	<=33.01	Pass		
	18			18.43	-2.10	16.33	<=33.01	Pass		
	39			18.50	-2.10	16.40	<=33.01	Pass		
75	0			18.50	-2.10	16.40	<=33.01	Pass		
2535	1			0	18.70	-2.10	16.60	<=33.01	Pass	
				38	18.62	-2.10	16.52	<=33.01	Pass	
			74	18.48	-2.10	16.38	<=33.01	Pass		
	36		0	18.48	-2.10	16.38	<=33.01	Pass		
			18	18.45	-2.10	16.35	<=33.01	Pass		
			39	18.38	-2.10	16.28	<=33.01	Pass		
75	0		18.44	-2.10	16.34	<=33.01	Pass			
2562.5	1		0	18.24	-2.10	16.14	<=33.01	Pass		
			38	18.23	-2.10	16.13	<=33.01	Pass		
			74	18.21	-2.10	16.11	<=33.01	Pass		
	36		0	18.15	-2.10	16.05	<=33.01	Pass		
			18	18.13	-2.10	16.03	<=33.01	Pass		
			39	18.06	-2.10	15.96	<=33.01	Pass		
	75		0	18.11	-2.10	16.01	<=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	23.26	-2.10	21.16	<=33.01	Pass
			50	23.47	-2.10	21.37	<=33.01	Pass
			99	23.56	-2.10	21.46	<=33.01	Pass
		50	0	22.47	-2.10	20.37	<=33.01	Pass
			25	22.54	-2.10	20.44	<=33.01	Pass
			50	22.59	-2.10	20.49	<=33.01	Pass

		100	0	22.53	-2.10	20.43	<=33.01	Pass
		2535	1	0	23.50	-2.10	21.40	<=33.01
				50	23.53	-2.10	21.43	<=33.01
				99	23.26	-2.10	21.16	<=33.01
			50	0	22.56	-2.10	20.46	<=33.01
				25	22.48	-2.10	20.38	<=33.01
				50	22.44	-2.10	20.34	<=33.01
		100	0	22.47	-2.10	20.37	<=33.01	Pass
		2560	1	0	23.24	-2.10	21.14	<=33.01
				50	23.15	-2.10	21.05	<=33.01
				99	23.03	-2.10	20.93	<=33.01
			50	0	22.22	-2.10	20.12	<=33.01
				25	22.19	-2.10	20.09	<=33.01
				50	22.11	-2.10	20.01	<=33.01
16QAM	2510	100	0	22.19	-2.10	20.09	<=33.01	Pass
		2535	1	0	22.41	-2.10	20.31	<=33.01
				50	22.65	-2.10	20.55	<=33.01
				99	22.85	-2.10	20.75	<=33.01
			50	0	21.48	-2.10	19.38	<=33.01
				25	21.55	-2.10	19.45	<=33.01
				50	21.57	-2.10	19.47	<=33.01
		100	0	21.51	-2.10	19.41	<=33.01	Pass
	2535	1	0	22.82	-2.10	20.72	<=33.01	Pass
			50	22.79	-2.10	20.69	<=33.01	Pass
			99	22.63	-2.10	20.53	<=33.01	Pass
		50	0	21.56	-2.10	19.46	<=33.01	Pass
			25	21.46	-2.10	19.36	<=33.01	Pass
			50	21.42	-2.10	19.32	<=33.01	Pass
64QAM	2510	100	0	21.46	-2.10	19.36	<=33.01	Pass
		2535	1	0	22.46	-2.10	20.36	<=33.01
				50	22.35	-2.10	20.25	<=33.01
				99	22.26	-2.10	20.16	<=33.01
			50	0	21.25	-2.10	19.15	<=33.01
				25	21.20	-2.10	19.10	<=33.01
				50	21.07	-2.10	18.97	<=33.01
		100	0	21.15	-2.10	19.05	<=33.01	Pass
	2560	1	0	21.45	-2.10	19.35	<=33.01	Pass
			50	21.77	-2.10	19.67	<=33.01	Pass
			99	21.74	-2.10	19.64	<=33.01	Pass
		50	0	20.47	-2.10	18.37	<=33.01	Pass
			25	20.55	-2.10	18.45	<=33.01	Pass
			50	20.58	-2.10	18.48	<=33.01	Pass
256QAM	2510	100	0	20.52	-2.10	18.42	<=33.01	Pass
		2535	1	0	21.77	-2.10	19.67	<=33.01
				50	21.66	-2.10	19.56	<=33.01
				99	21.46	-2.10	19.36	<=33.01
			50	0	20.55	-2.10	18.45	<=33.01
				25	20.52	-2.10	18.42	<=33.01
				50	20.44	-2.10	18.34	<=33.01
		100	0	20.45	-2.10	18.35	<=33.01	Pass
		2560	1	0	21.42	-2.10	19.32	<=33.01
				50	21.22	-2.10	19.12	<=33.01
				99	21.26	-2.10	19.16	<=33.01
			50	0	20.23	-2.10	18.13	<=33.01
				25	20.21	-2.10	18.11	<=33.01
				50	20.11	-2.10	18.01	<=33.01
		100	0	20.18	-2.10	18.08	<=33.01	Pass
	256QAM	2510	1	0	18.36	-2.10	16.26	<=33.01
				50	18.63	-2.10	16.53	<=33.01

		50	99	18.72	-2.10	16.62	<=33.01	Pass
			0	18.46	-2.10	16.36	<=33.01	Pass
			25	18.53	-2.10	16.43	<=33.01	Pass
			50	18.56	-2.10	16.46	<=33.01	Pass
		100	0	18.51	-2.10	16.41	<=33.01	Pass
	2535	1	0	18.74	-2.10	16.64	<=33.01	Pass
			50	18.52	-2.10	16.42	<=33.01	Pass
			99	18.38	-2.10	16.28	<=33.01	Pass
		50	0	18.50	-2.10	16.40	<=33.01	Pass
			25	18.46	-2.10	16.36	<=33.01	Pass
			50	18.41	-2.10	16.31	<=33.01	Pass
		100	0	18.45	-2.10	16.35	<=33.01	Pass
		2560	1	0	18.44	-2.10	16.34	<=33.01
	50			18.27	-2.10	16.17	<=33.01	Pass
	99			18.19	-2.10	16.09	<=33.01	Pass
	50		0	18.26	-2.10	16.16	<=33.01	Pass
			25	18.17	-2.10	16.07	<=33.01	Pass
			50	18.08	-2.10	15.98	<=33.01	Pass
	100		0	18.18	-2.10	16.08	<=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	3.27	5.300	0.0021	-2.5 to 2.5	Pass
					3.85	-1.100	-0.0004	-2.5 to 2.5	Pass
					4.43	-14.200	-0.0056	-2.5 to 2.5	Pass
				-30	3.85	-18.900	-0.0075	-2.5 to 2.5	Pass
				-20	3.85	-11.100	-0.0044	-2.5 to 2.5	Pass
				-10	3.85	0.400	0.0002	-2.5 to 2.5	Pass
				0	3.85	-1.000	-0.0004	-2.5 to 2.5	Pass
				10	3.85	-13.200	-0.0052	-2.5 to 2.5	Pass
				30	3.85	-10.500	-0.0041	-2.5 to 2.5	Pass
				40	3.85	-9.800	-0.0039	-2.5 to 2.5	Pass
				50	3.85	-11.000	-0.0043	-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	4.532	/	Pass
	16QAM	2535	25	0	4.525	/	Pass
10	QPSK	2535	50	0	9.103	/	Pass

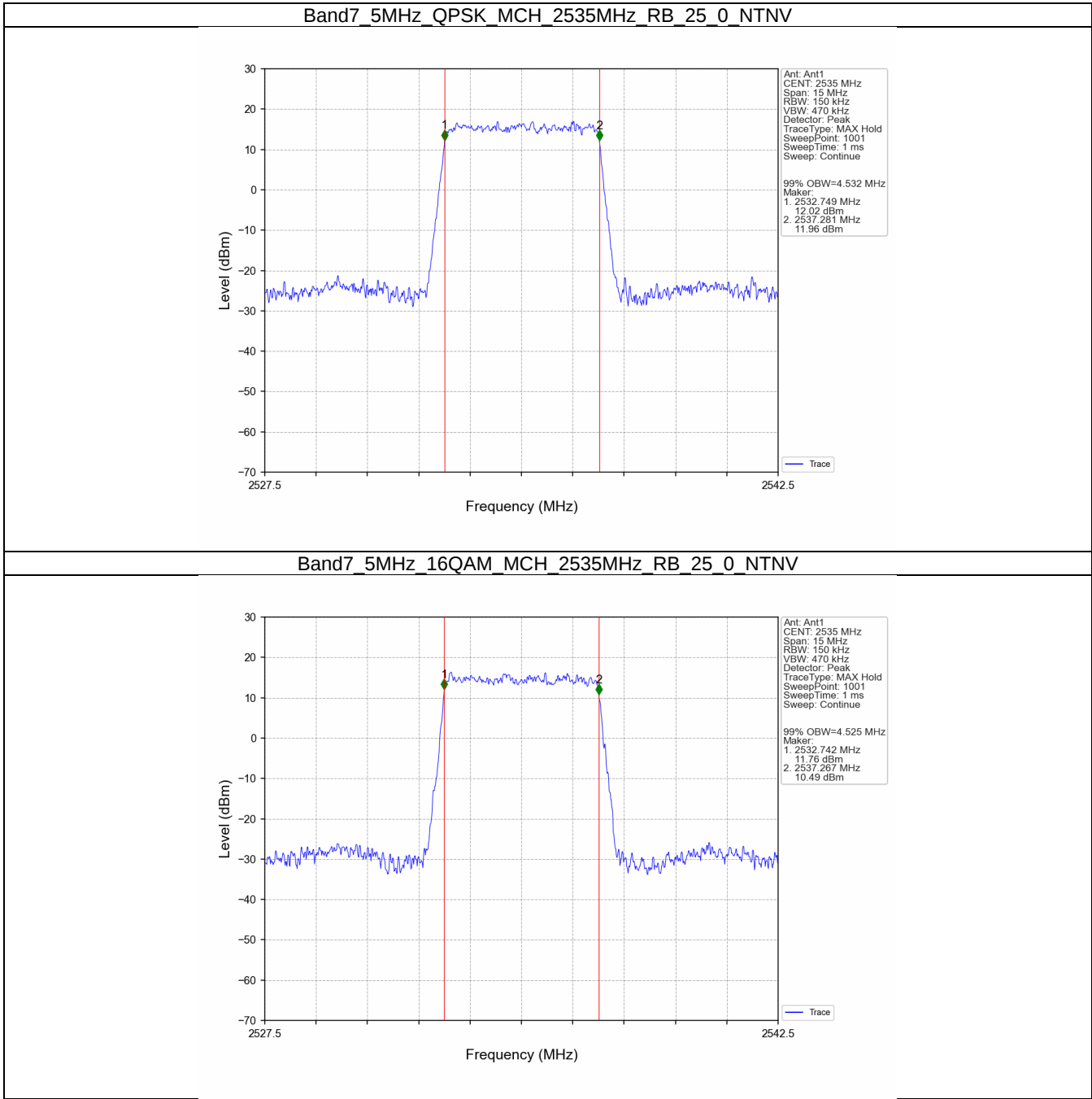
	16QAM	2535	50	0	9.040	/	Pass
15	QPSK	2535	75	0	13.568	/	Pass
	16QAM	2535	75	0	13.594	/	Pass
20	QPSK	2535	100	0	18.079	/	Pass
	16QAM	2535	100	0	18.077	/	Pass

3.1.2 Band7_XDB

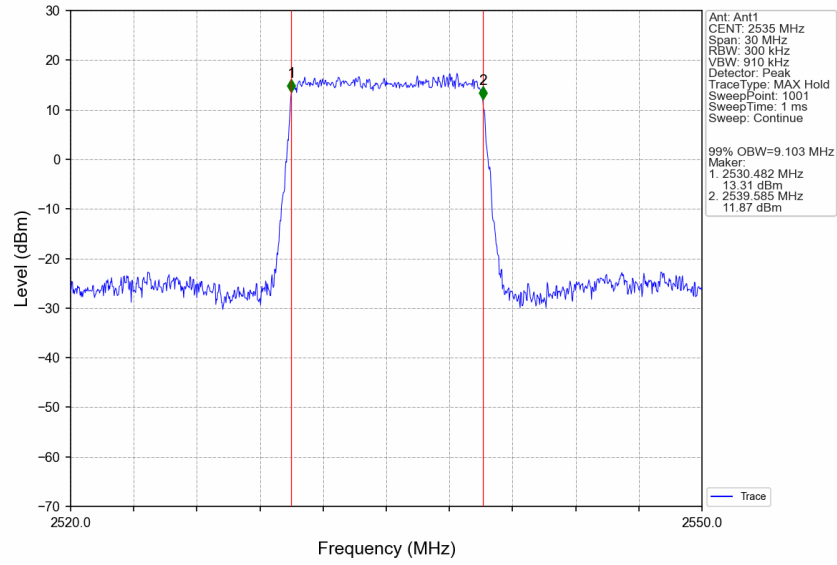
Band: 7 / NTNv							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2535	25	0	5.083	/	Pass
	16QAM	2535	25	0	5.029	/	Pass
10	QPSK	2535	50	0	9.969	/	Pass
	16QAM	2535	50	0	9.909	/	Pass
15	QPSK	2535	75	0	15.004	/	Pass
	16QAM	2535	75	0	14.964	/	Pass
20	QPSK	2535	100	0	19.818	/	Pass
	16QAM	2535	100	0	19.675	/	Pass

3.2 Test Graph

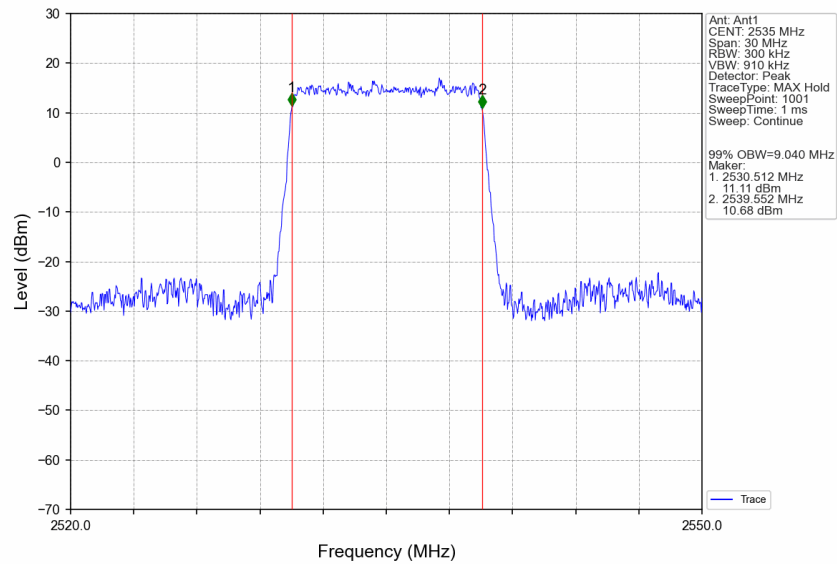
3.2.1 Band7_OBW



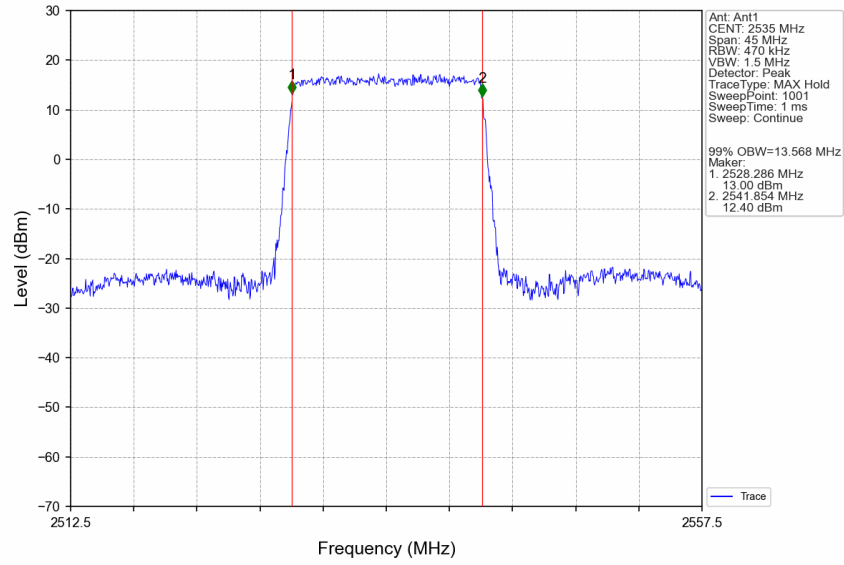
Band7_10MHz_QPSK_MCH_2535MHz_RB_50_0_NTNV



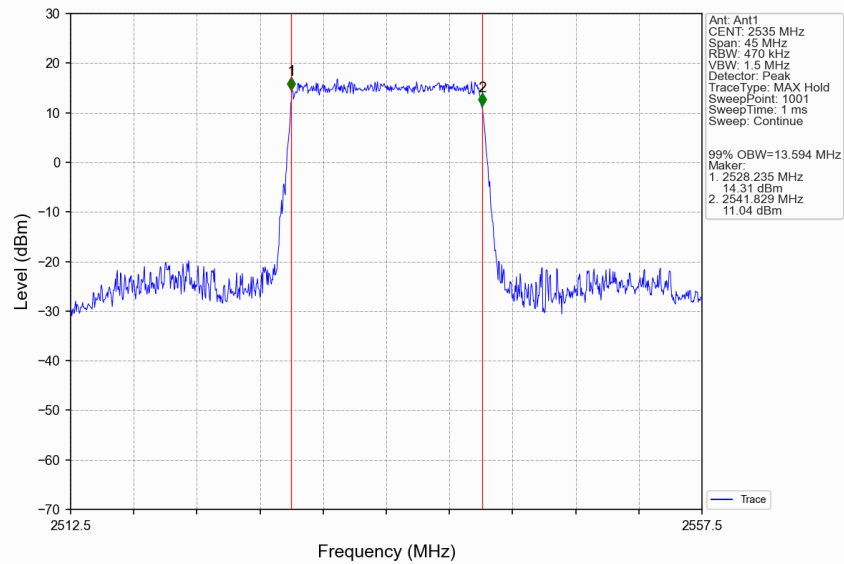
Band7_10MHz_16QAM_MCH_2535MHz_RB_50_0_NTNV



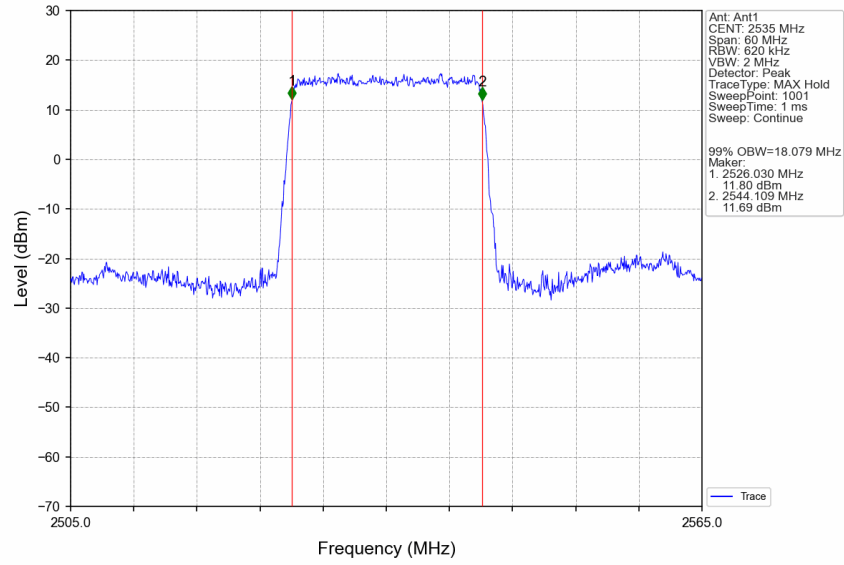
Band7_15MHz_QPSK_MCH_2535MHz_RB_75_0_NTNV



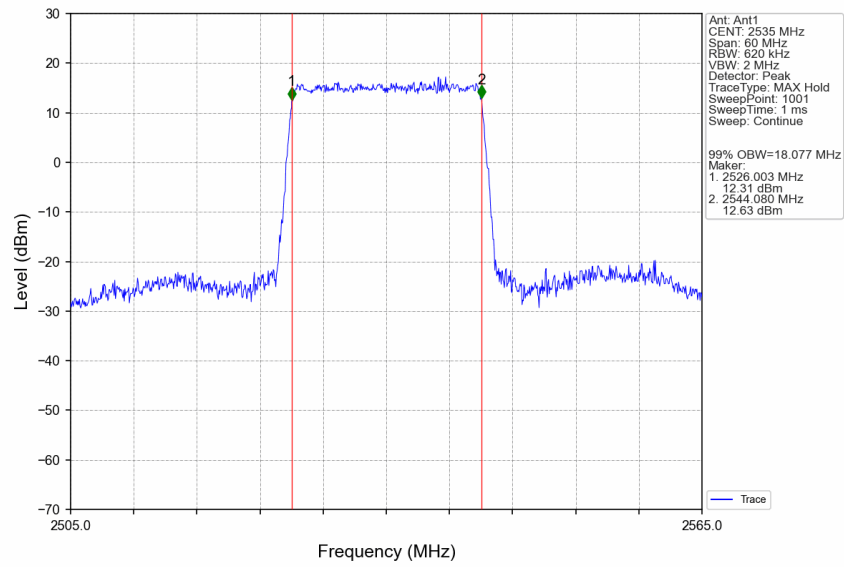
Band7_15MHz_16QAM_MCH_2535MHz_RB_75_0_NTNV



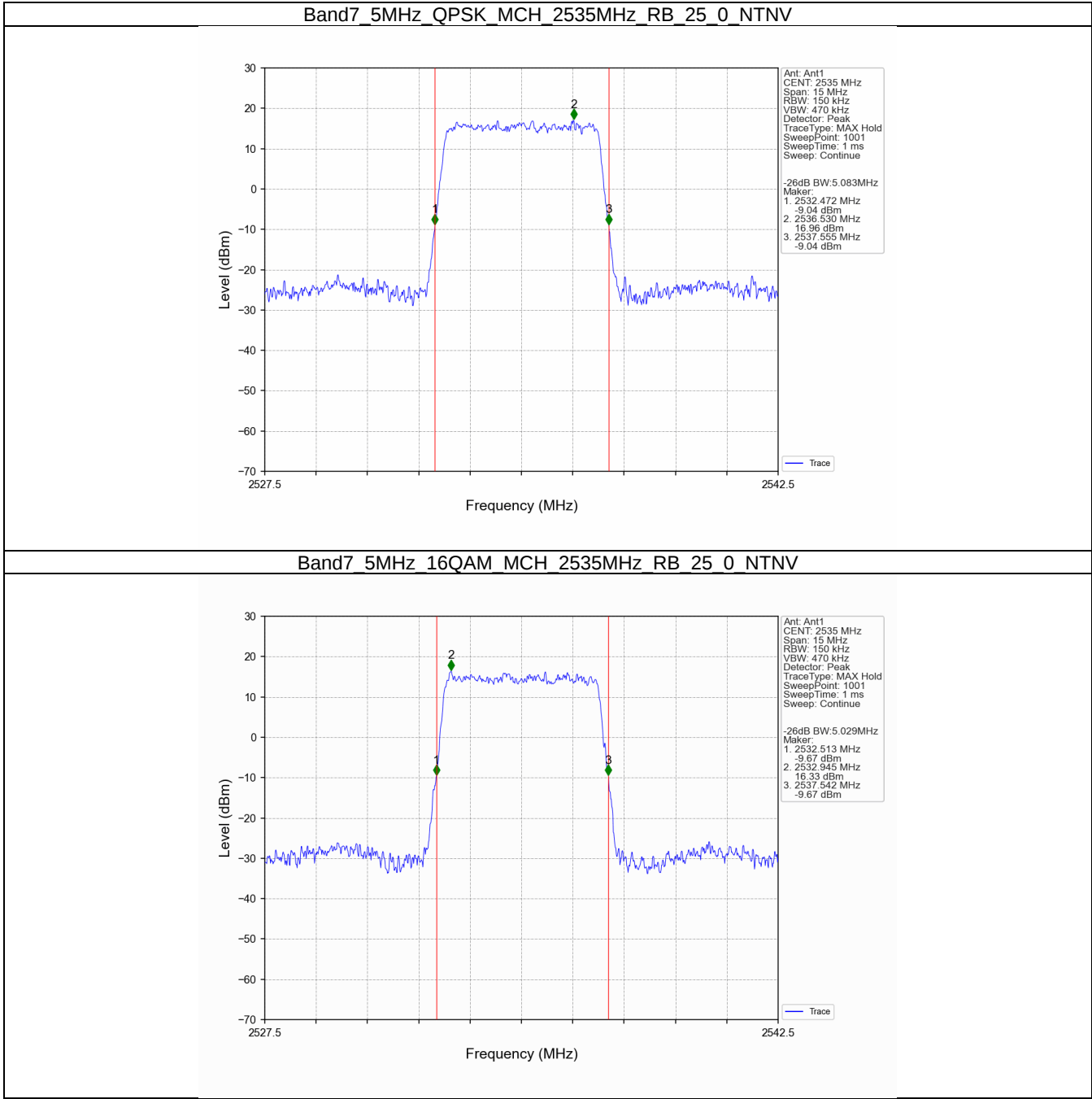
Band7_20MHz_QPSK_MCH_2535MHz_RB_100_0_NTNV



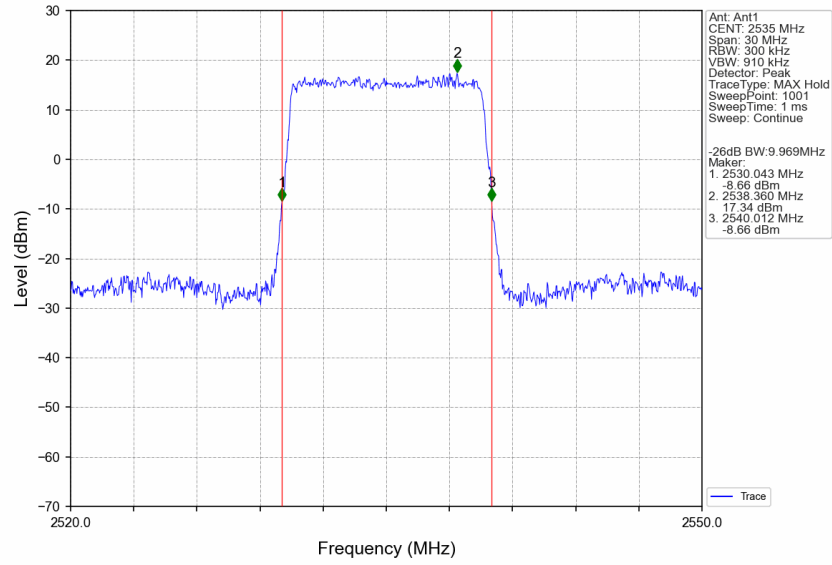
Band7_20MHz_16QAM_MCH_2535MHz_RB_100_0_NTNV



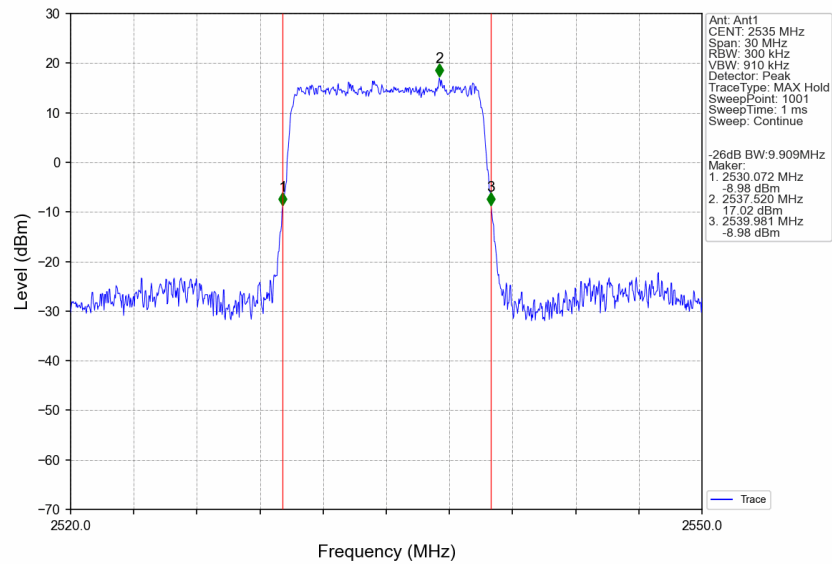
3.2.2 Band7_XDB



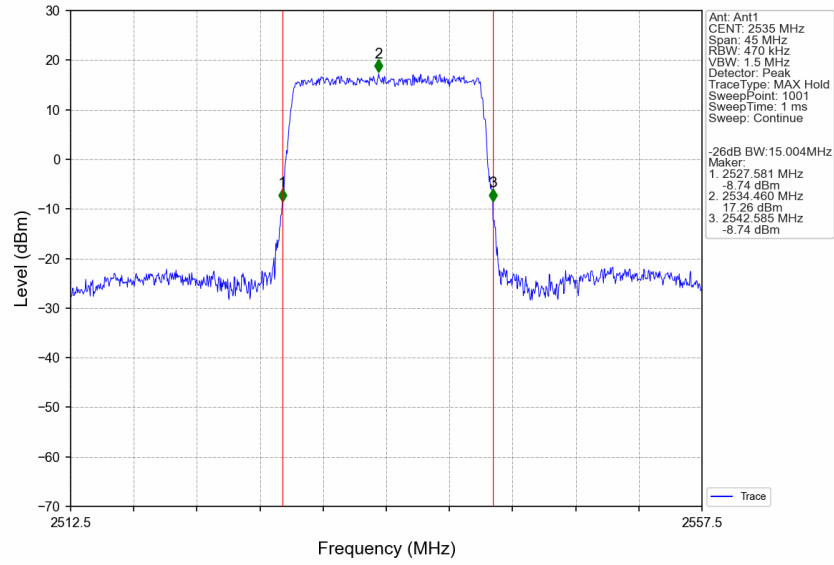
Band7_10MHz_QPSK_MCH_2535MHz_RB_50_0_NTNV



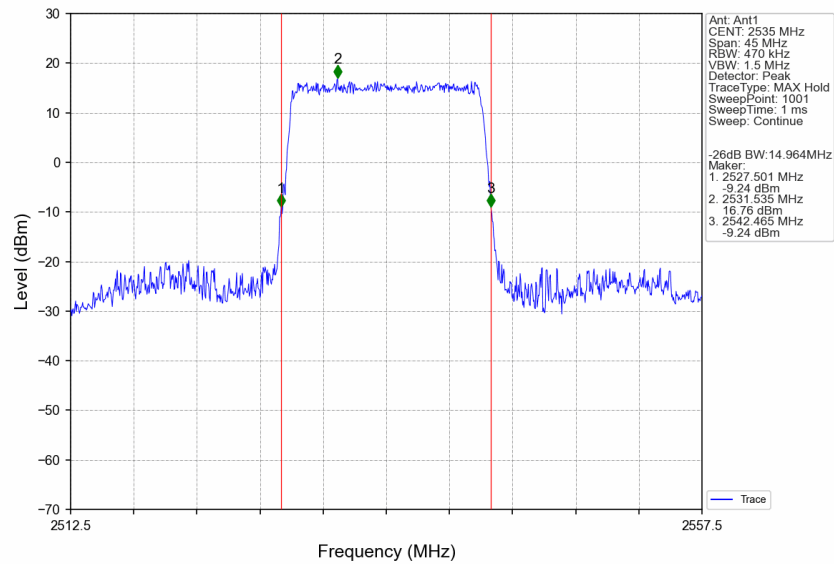
Band7_10MHz_16QAM_MCH_2535MHz_RB_50_0_NTNV



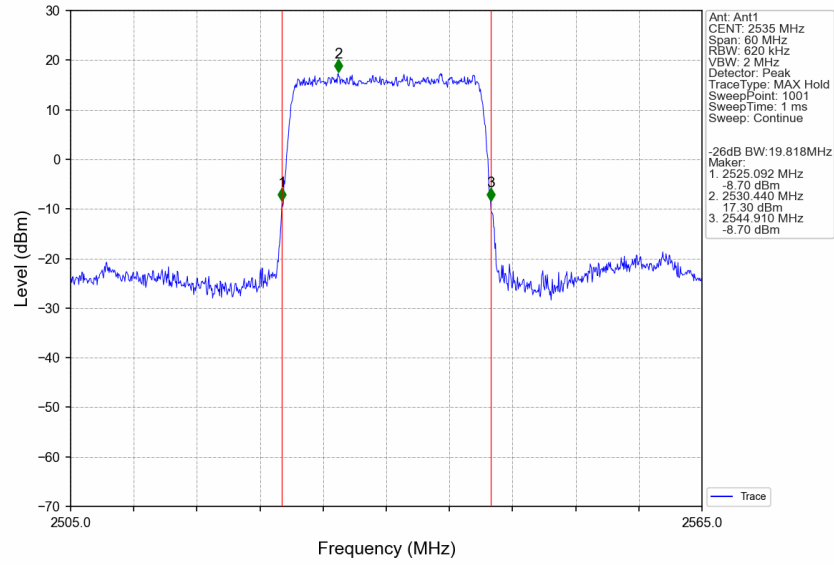
Band7_15MHz_QPSK_MCH_2535MHz_RB_75_0_NTNV



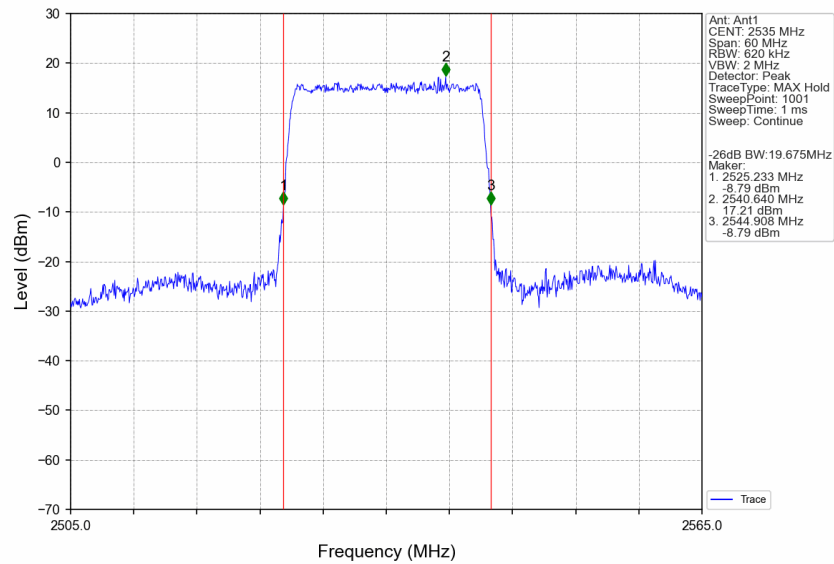
Band7_15MHz_16QAM_MCH_2535MHz_RB_75_0_NTNV



Band7_20MHz_QPSK_MCH_2535MHz_RB_100_0_NTNV



Band7_20MHz_16QAM_MCH_2535MHz_RB_100_0_NTNV



4. Peak-Average Ratio

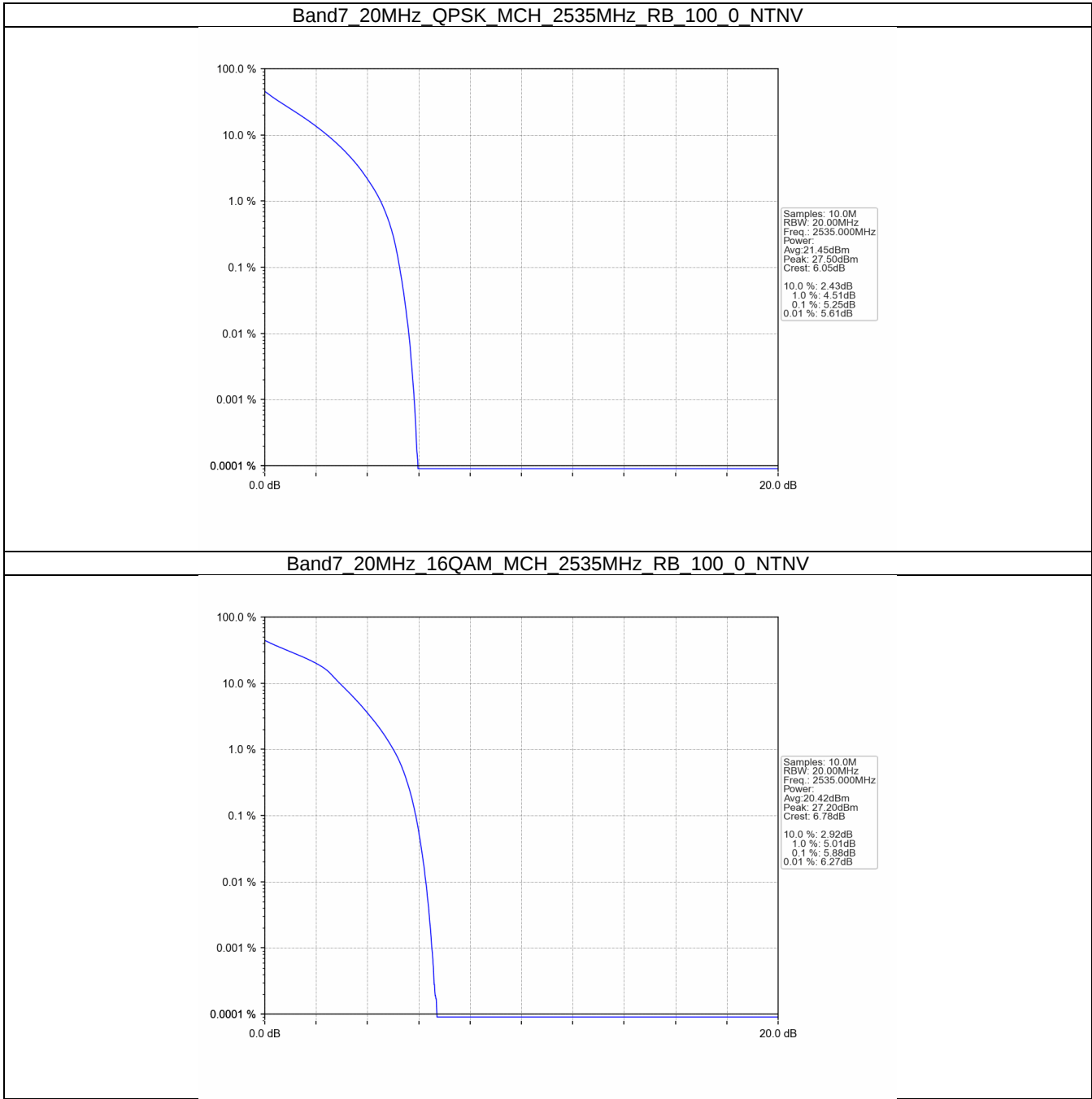
4.1 Test Result

4.1.1 B7_20MHz

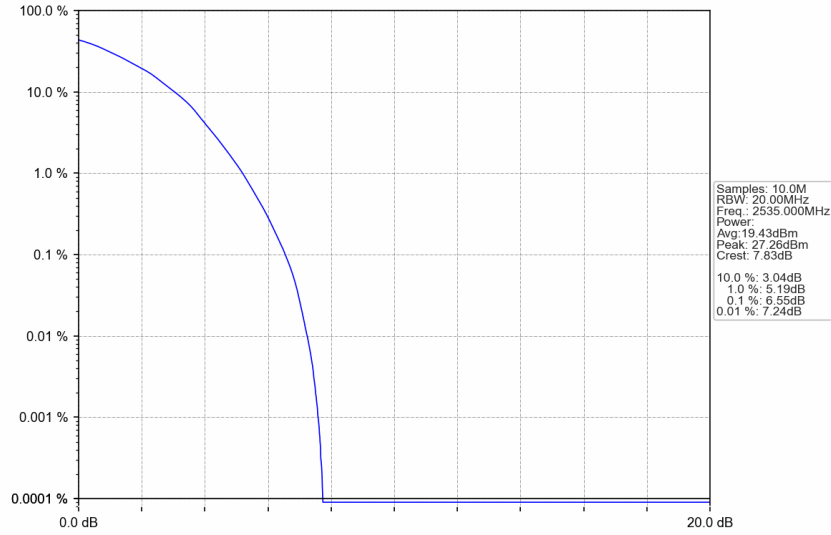
Band: 7 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2535	100	0	5.25	<=13	Pass
16QAM	2535	100	0	5.88	<=13	Pass
64QAM	2535	100	0	6.55	<=13	Pass
256QAM	2535	100	0	6.63	<=13	Pass

4.2 Test Graph

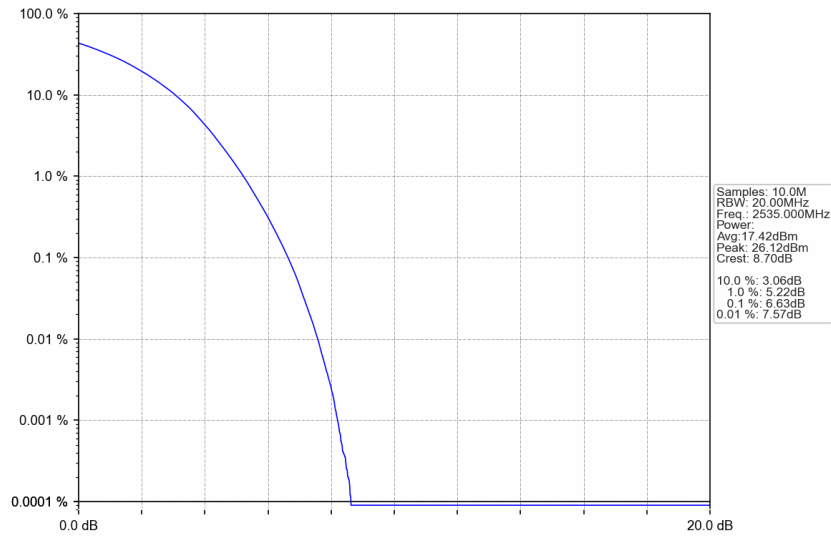
4.2.1 B7_20MHz



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 / NTNV						
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 / NTNV						
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

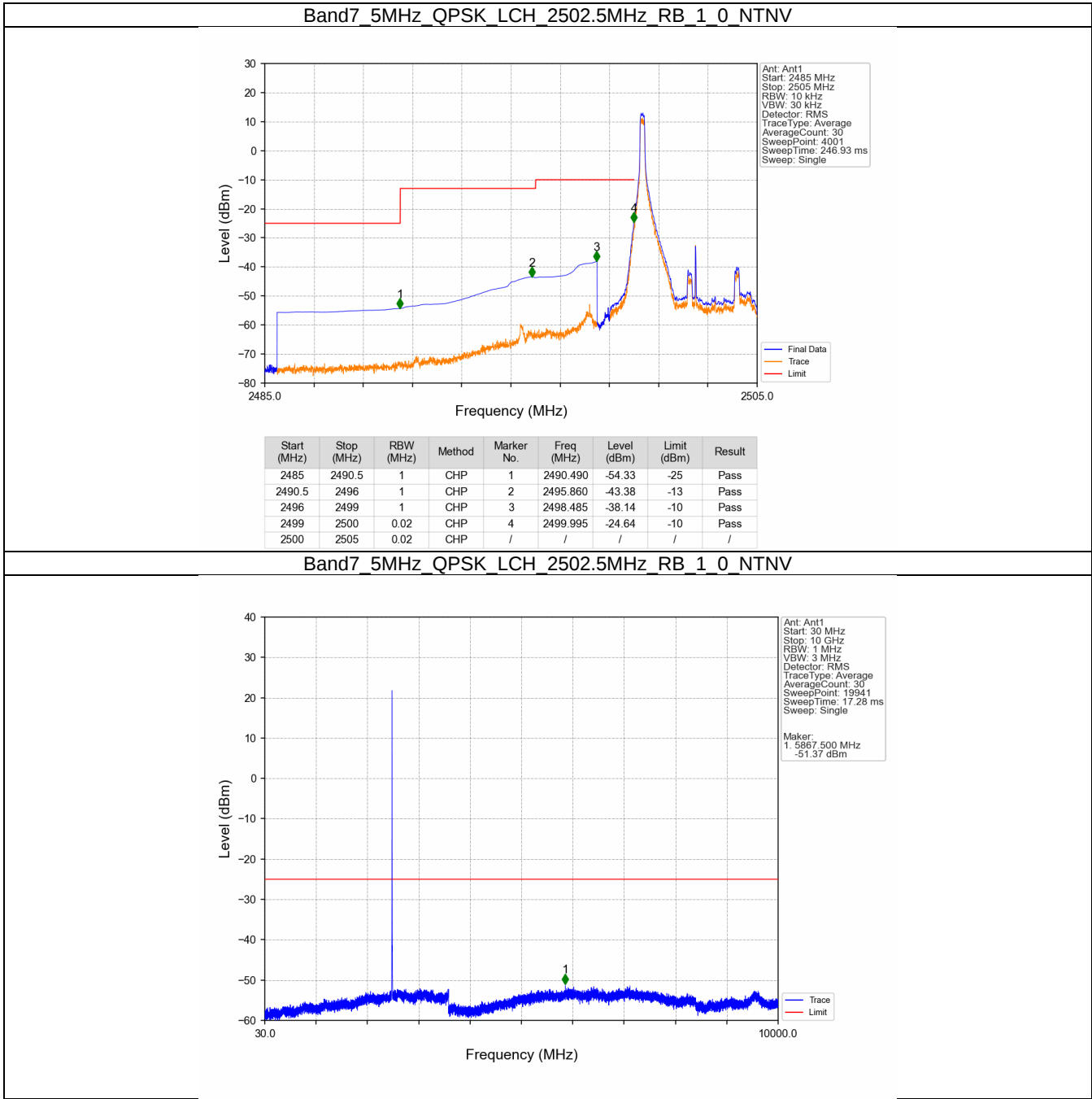
5.1.4 B7_20MHz

Band: 7 / Bandwidth: 20MHz / NTNV						
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

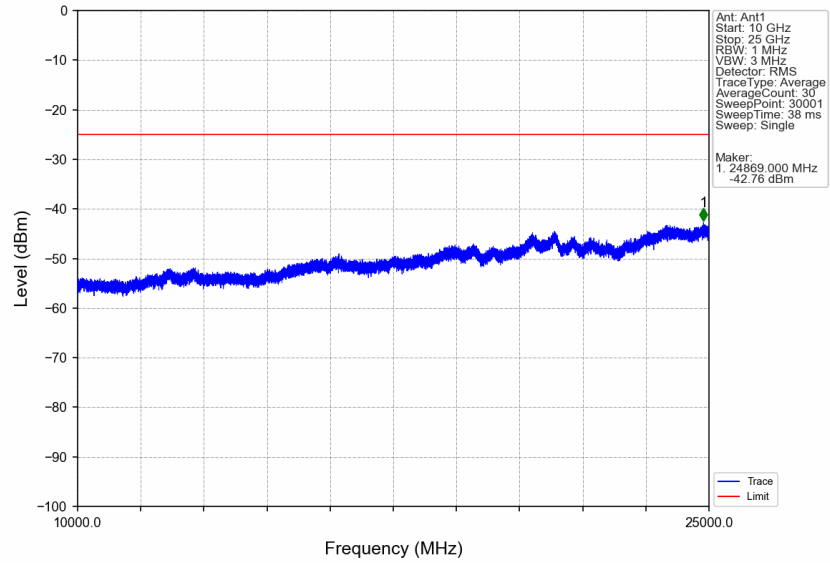
		100	0	Refer To Test Graph	Pass
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5.2 Test Graph

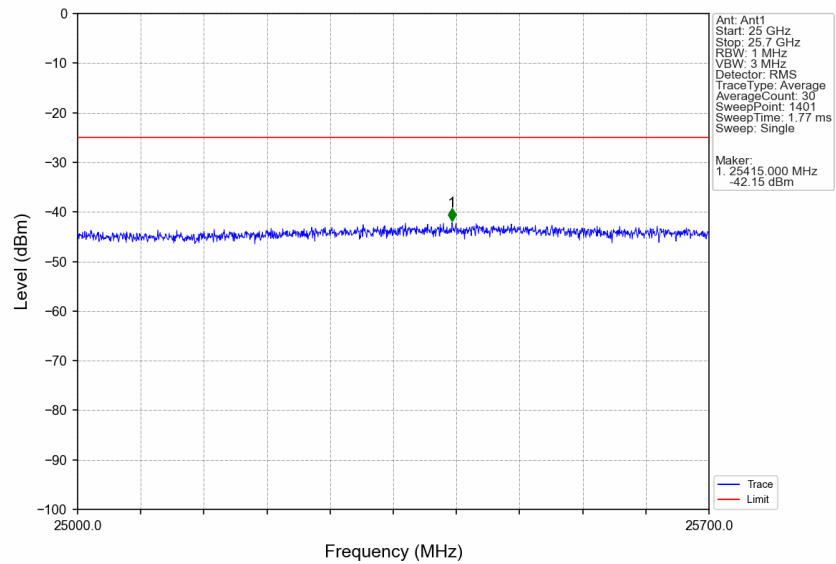
5.2.1 B7_5MHz



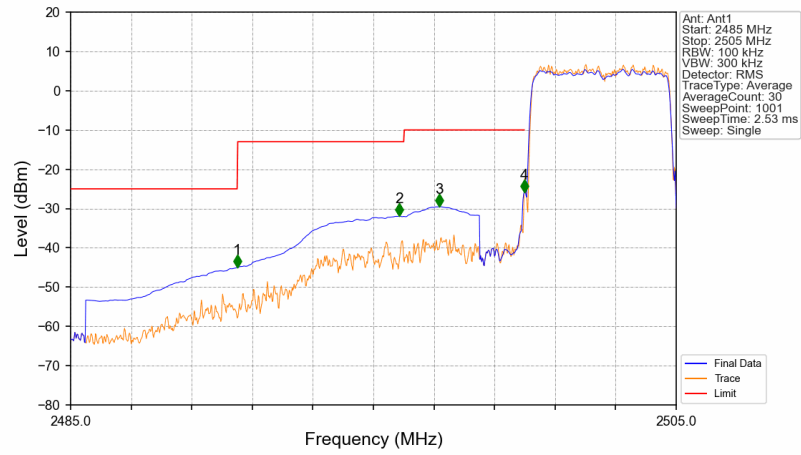
Band7_5MHz_QPSK_LCH_2502.5MHz_RB_1_0_NTNV



Band7_5MHz_QPSK_LCH_2502.5MHz_RB_1_0_NTNV

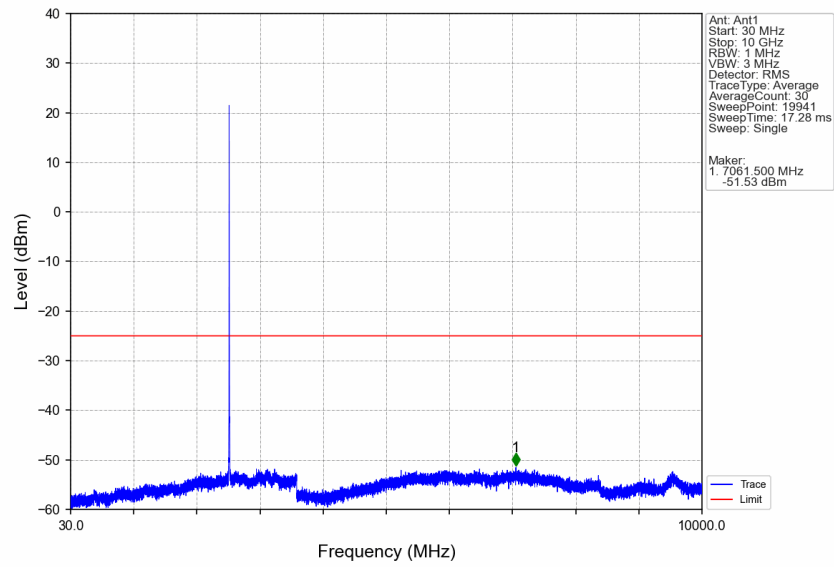


Band7_5MHz_QPSK_LCH_2502.5MHz_RB_25_0_NTNV

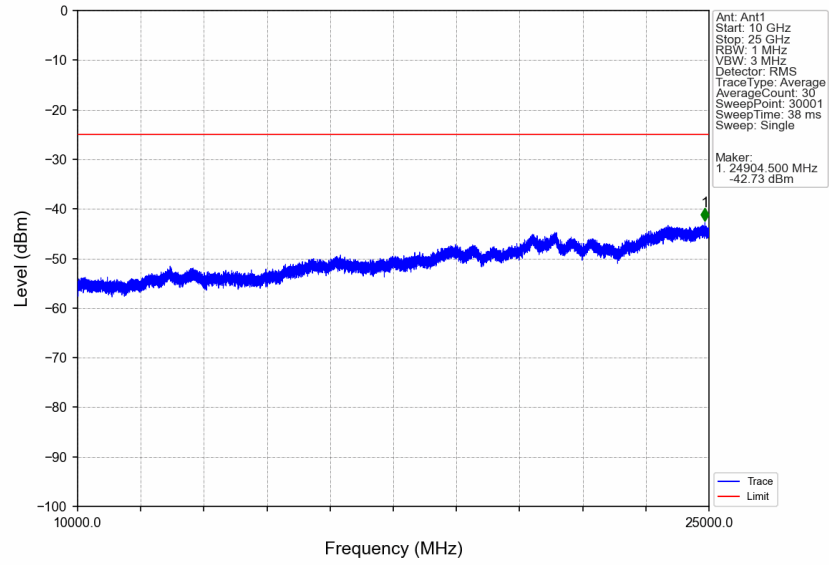


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2490.500	-45.04	-25	Pass
2490.5	2496	1	CHP	2	2495.860	-31.90	-13	Pass
2496	2499	1	CHP	3	2497.180	-29.52	-10	Pass
2499	2500	0.102	CHP	4	2499.980	-25.81	-10	Pass
2500	2505	0.102	CHP	/	/	/	/	/

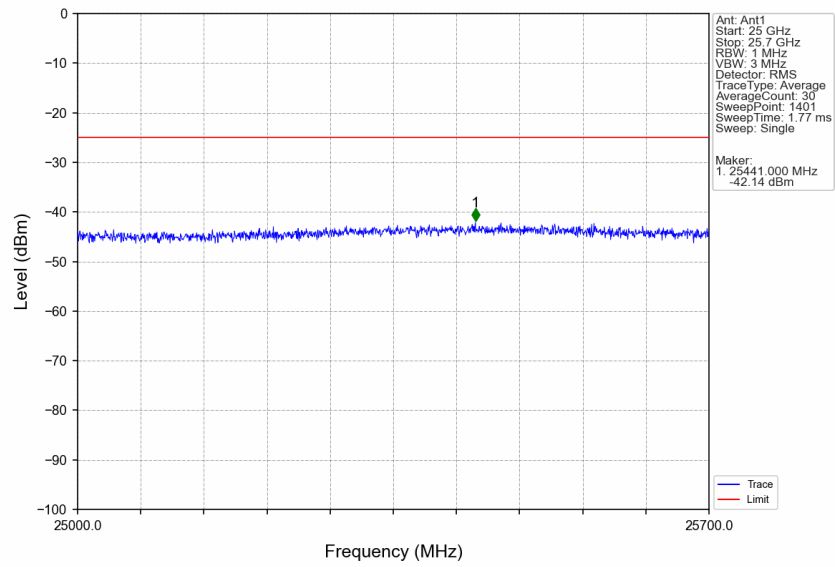
Band7_5MHz_QPSK_MCH_2535MHz_RB_1_0_NTNV



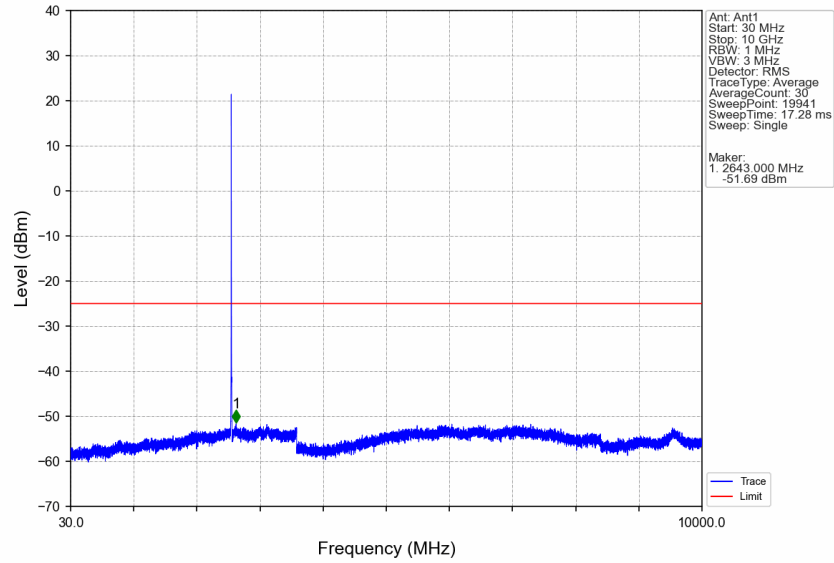
Band7_5MHz_QPSK_MCH_2535MHz_RB_1_0_NTNV



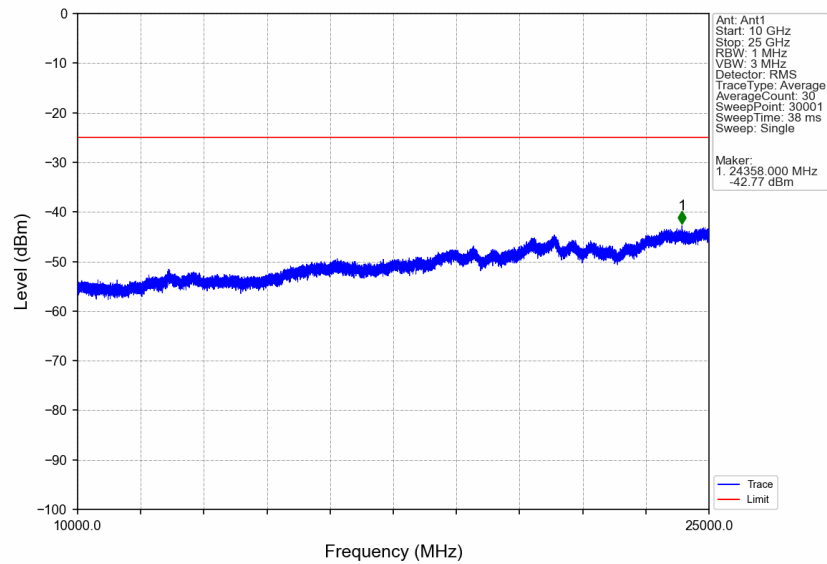
Band7_5MHz_QPSK_MCH_2535MHz_RB_1_0_NTNV



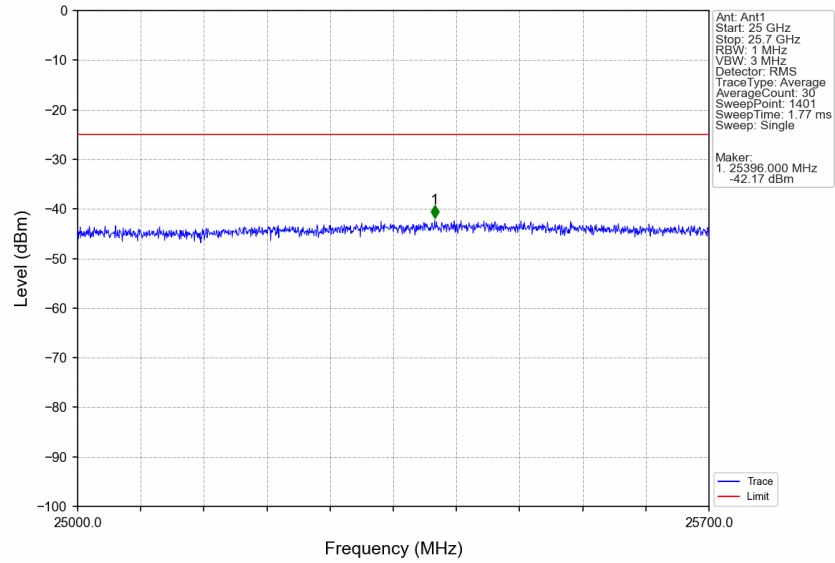
Band7_5MHz_QPSK_HCH_2567.5MHz_RB_1_0_NTNV



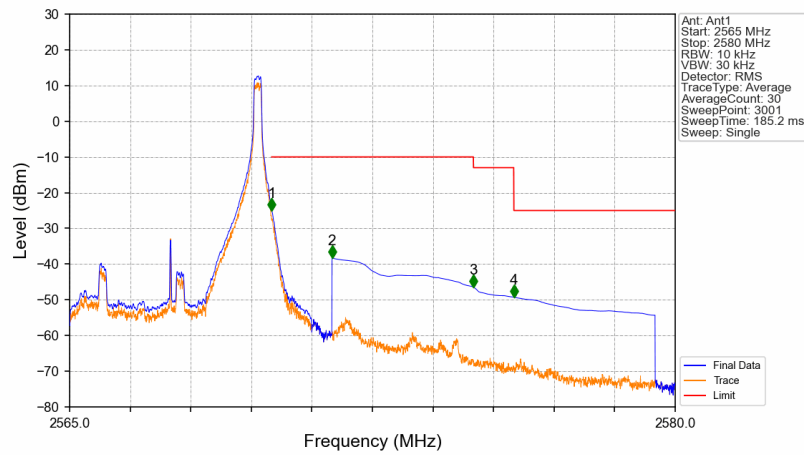
Band7_5MHz_QPSK_HCH_2567.5MHz_RB_1_0_NTNV



Band7_5MHz_QPSK_HCH_2567.5MHz_RB_1_0_NTNV

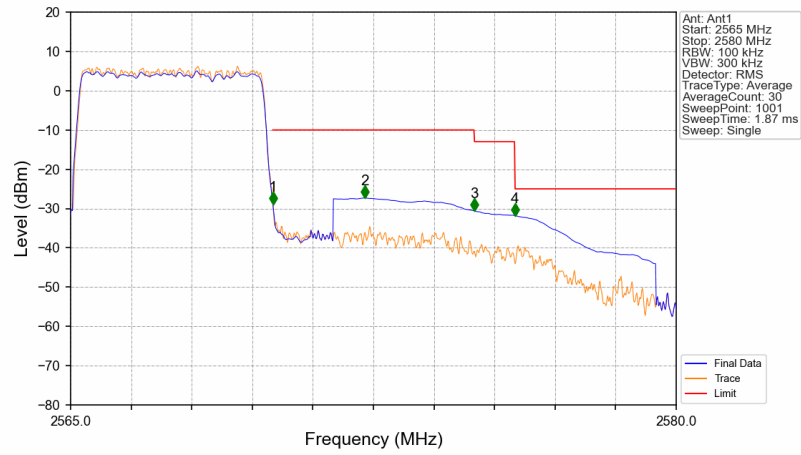


Band7_5MHz_QPSK_HCH_2567.5MHz_RB_1_24_NTNV



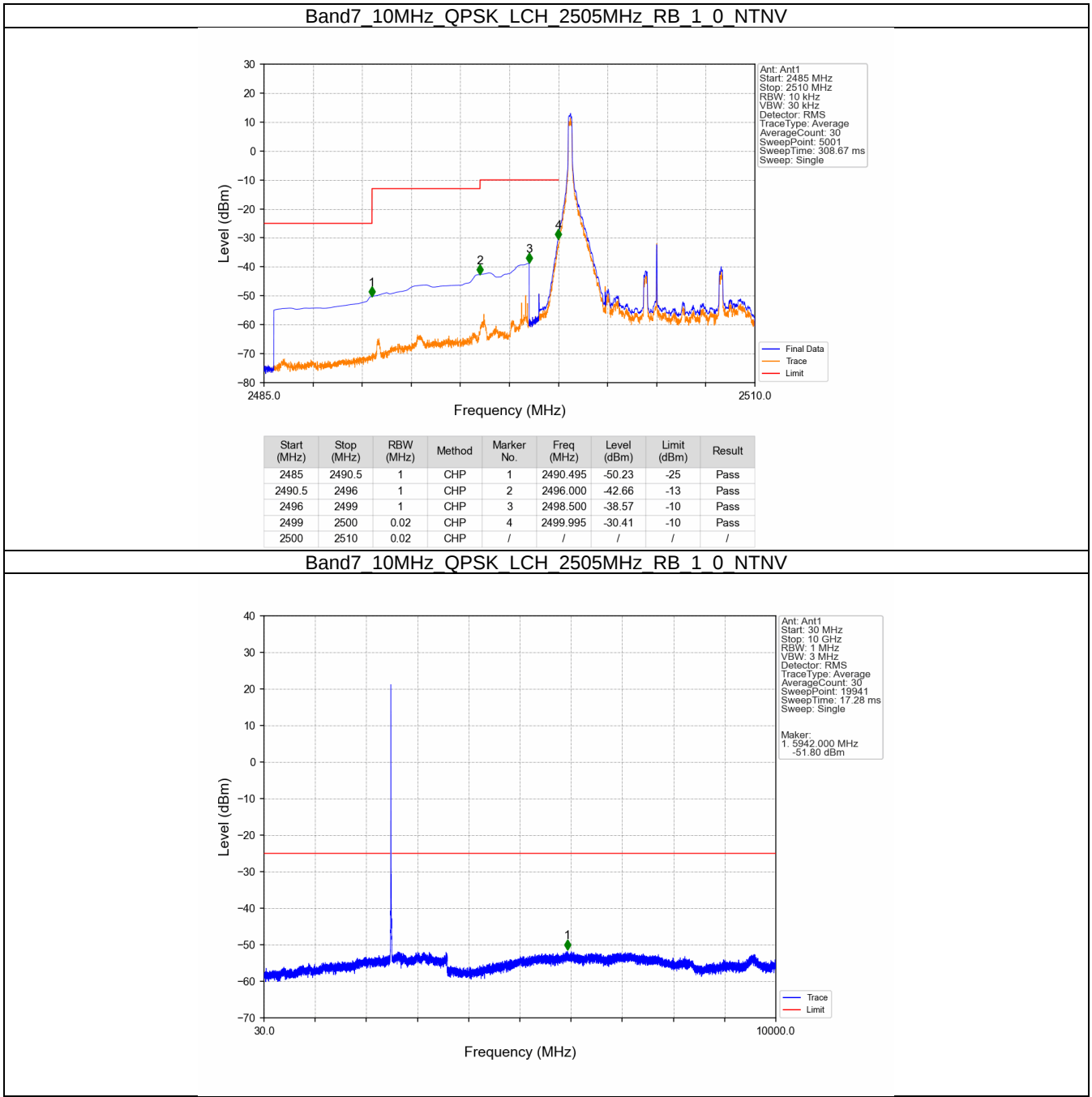
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2565	2570	0.02	CHP	/	/	/	/	/
2570	2571	0.02	CHP	1	2570.005	-25.03	-10	Pass
2571	2575	1	CHP	2	2571.500	-38.35	-10	Pass
2575	2576	1	CHP	3	2575.005	-46.47	-13	Pass
2576	2580	1	CHP	4	2576.005	-49.27	-25	Pass

Band7_5MHz_QPSK_HCH_2567.5MHz_RB_25_0_NTNV

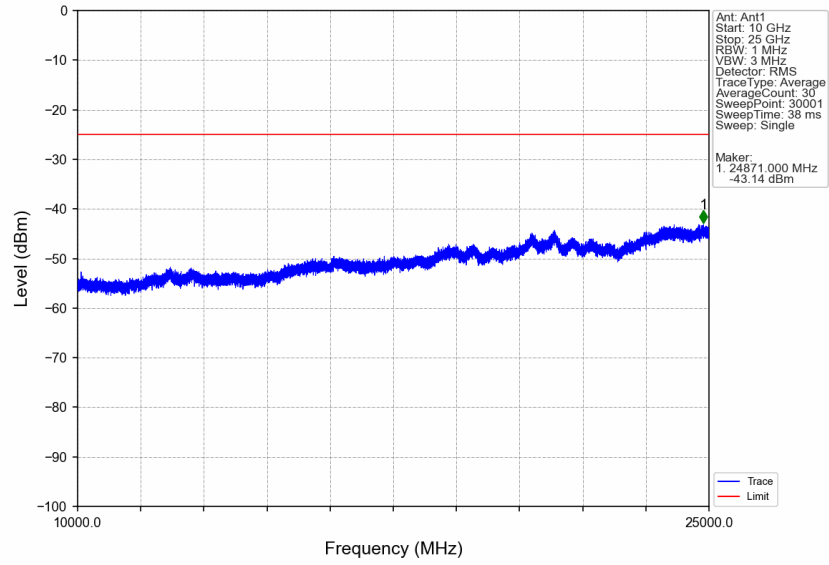


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2565	2570	0.102	CHP	/	/	/	/	/
2570	2571	0.102	CHP	1	2570.010	-28.90	-10	Pass
2571	2575	1	CHP	2	2572.290	-27.29	-10	Pass
2575	2576	1	CHP	3	2575.005	-30.60	-13	Pass
2576	2580	1	CHP	4	2576.010	-31.81	-25	Pass

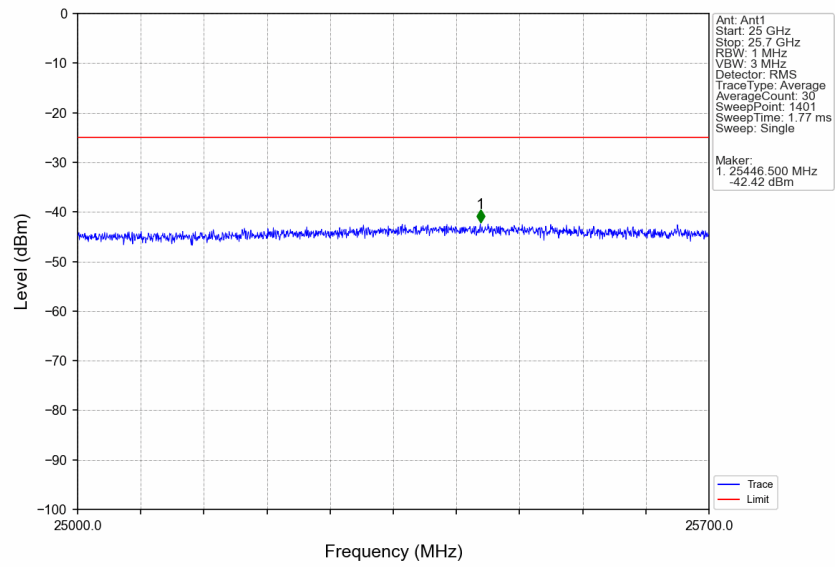
5.2.2 B7_10MHz



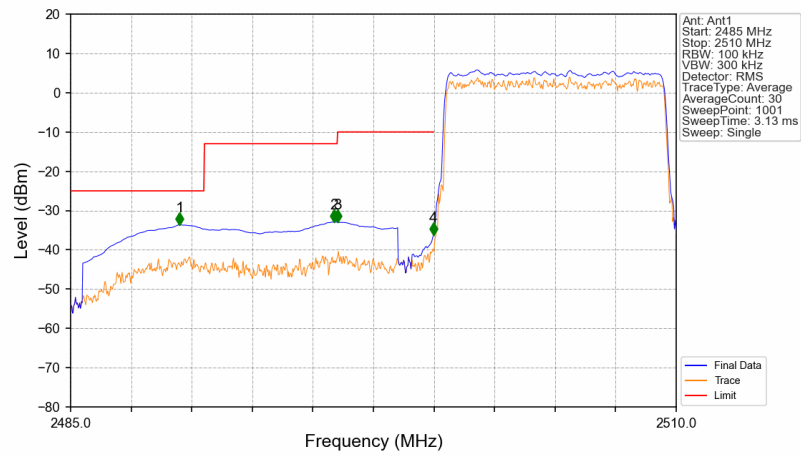
Band7_10MHz_QPSK_LCH_2505MHz_RB_1_0_NTNV



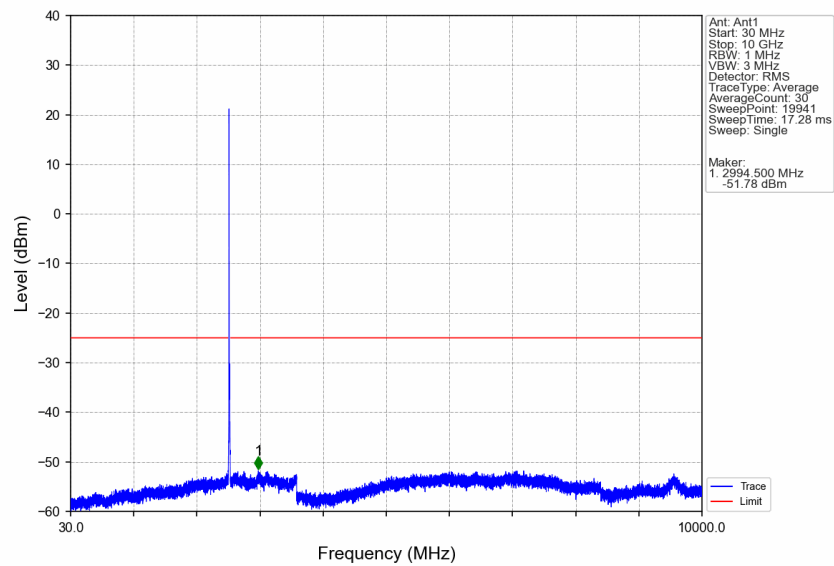
Band7_10MHz_QPSK_LCH_2505MHz_RB_1_0_NTNV



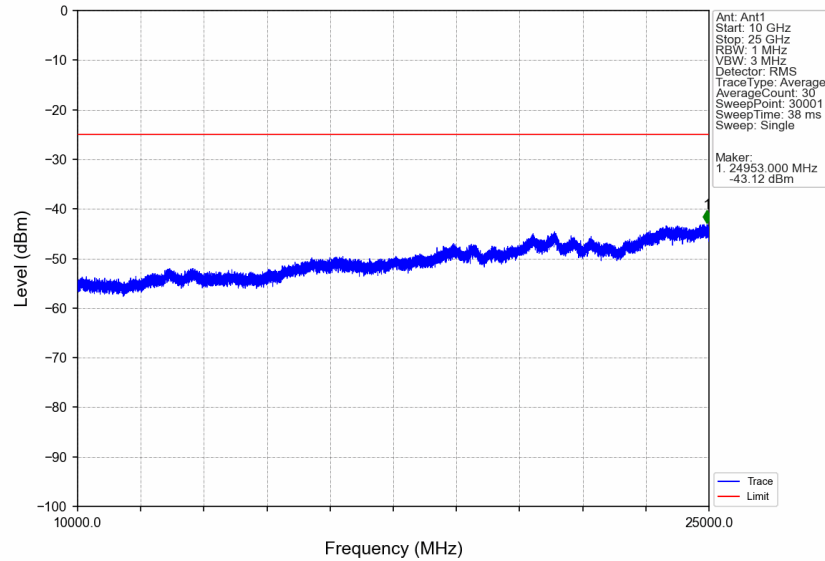
Band7_10MHz_QPSK_LCH_2505MHz_RB_50_0_NTNV



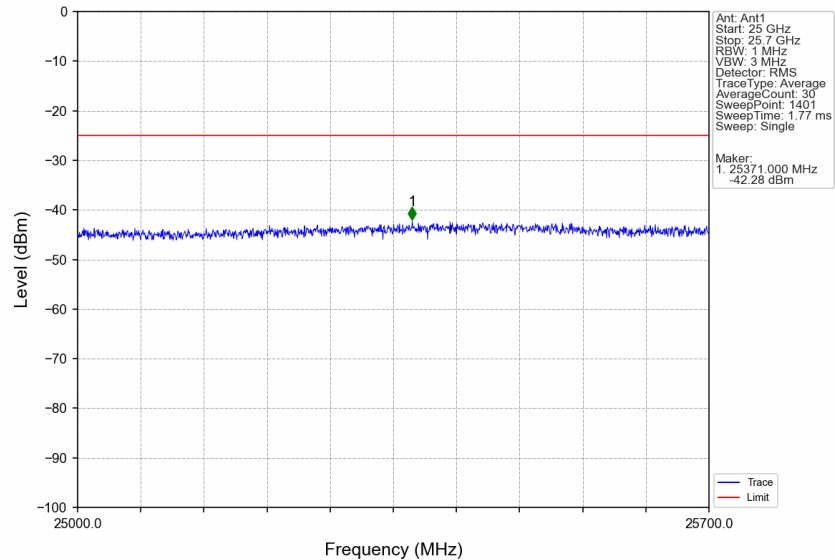
Band7_10MHz_QPSK_MCH_2535MHz_RB_1_0_NTNV



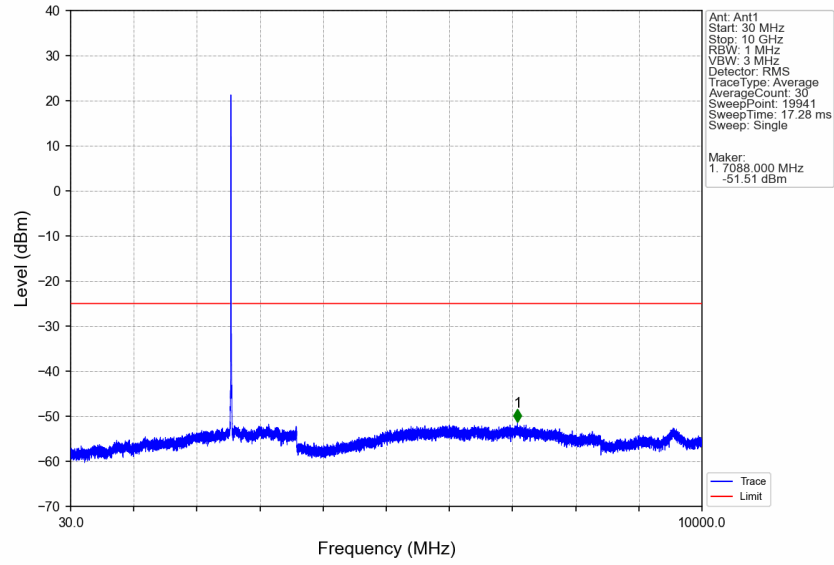
Band7_10MHz_QPSK_MCH_2535MHz_RB_1_0_NTNV



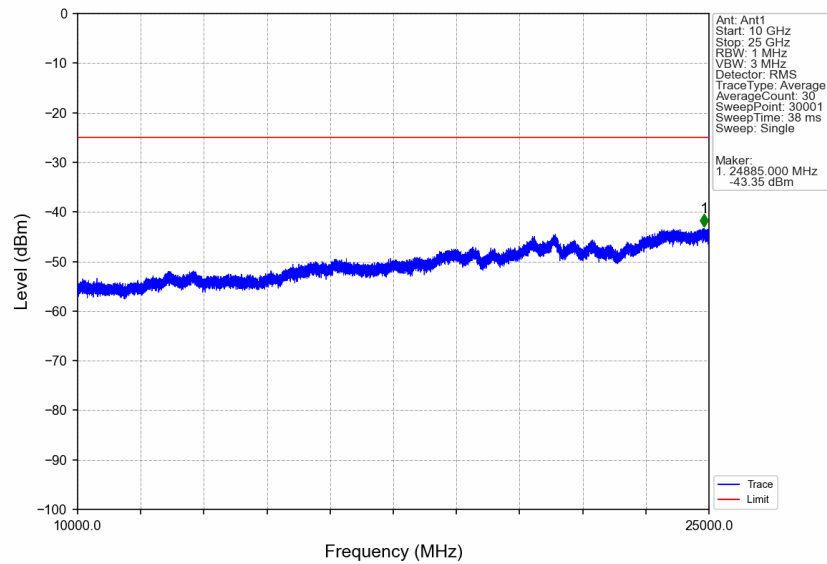
Band7_10MHz_QPSK_MCH_2535MHz_RB_1_0_NTNV



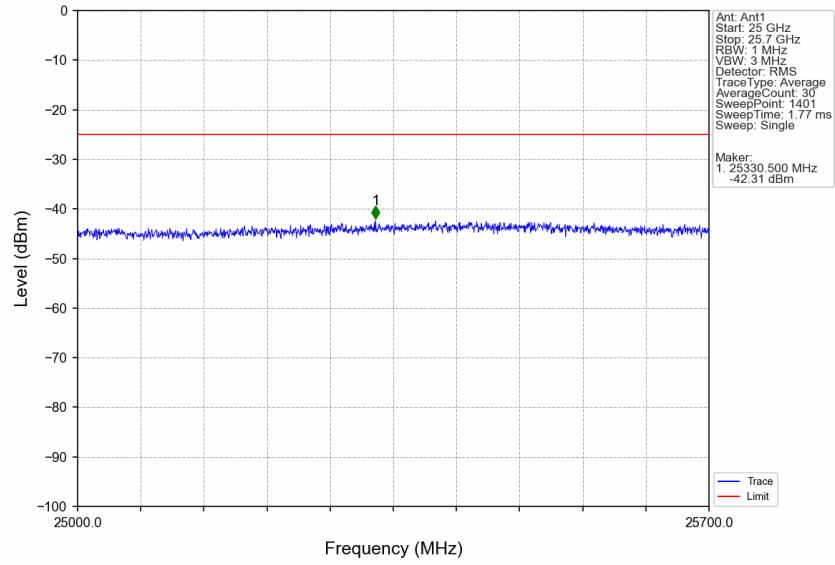
Band7_10MHz_QPSK_HCH_2565MHz_RB_1_0_NTNV



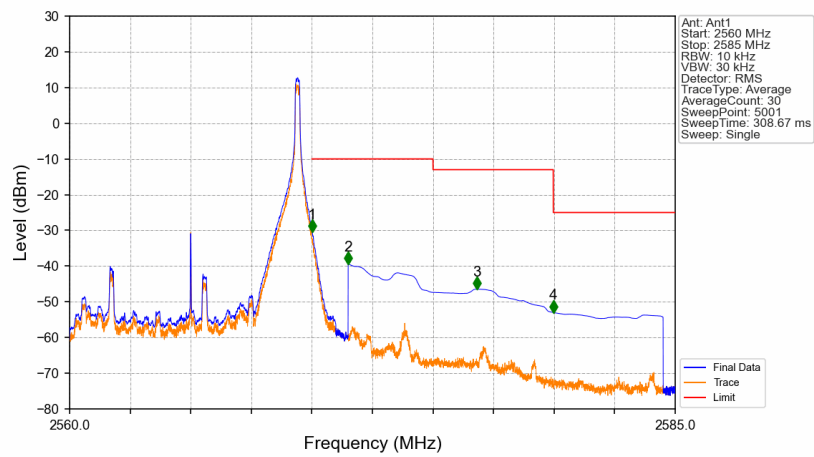
Band7_10MHz_QPSK_HCH_2565MHz_RB_1_0_NTNV



Band7_10MHz_QPSK_HCH_2565MHz_RB_1_0_NTNV

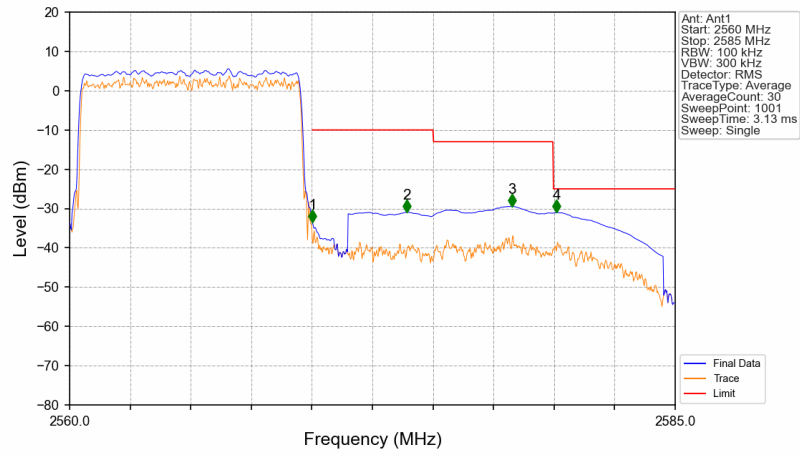


Band7_10MHz_QPSK_HCH_2565MHz_RB_1_49_NTNV



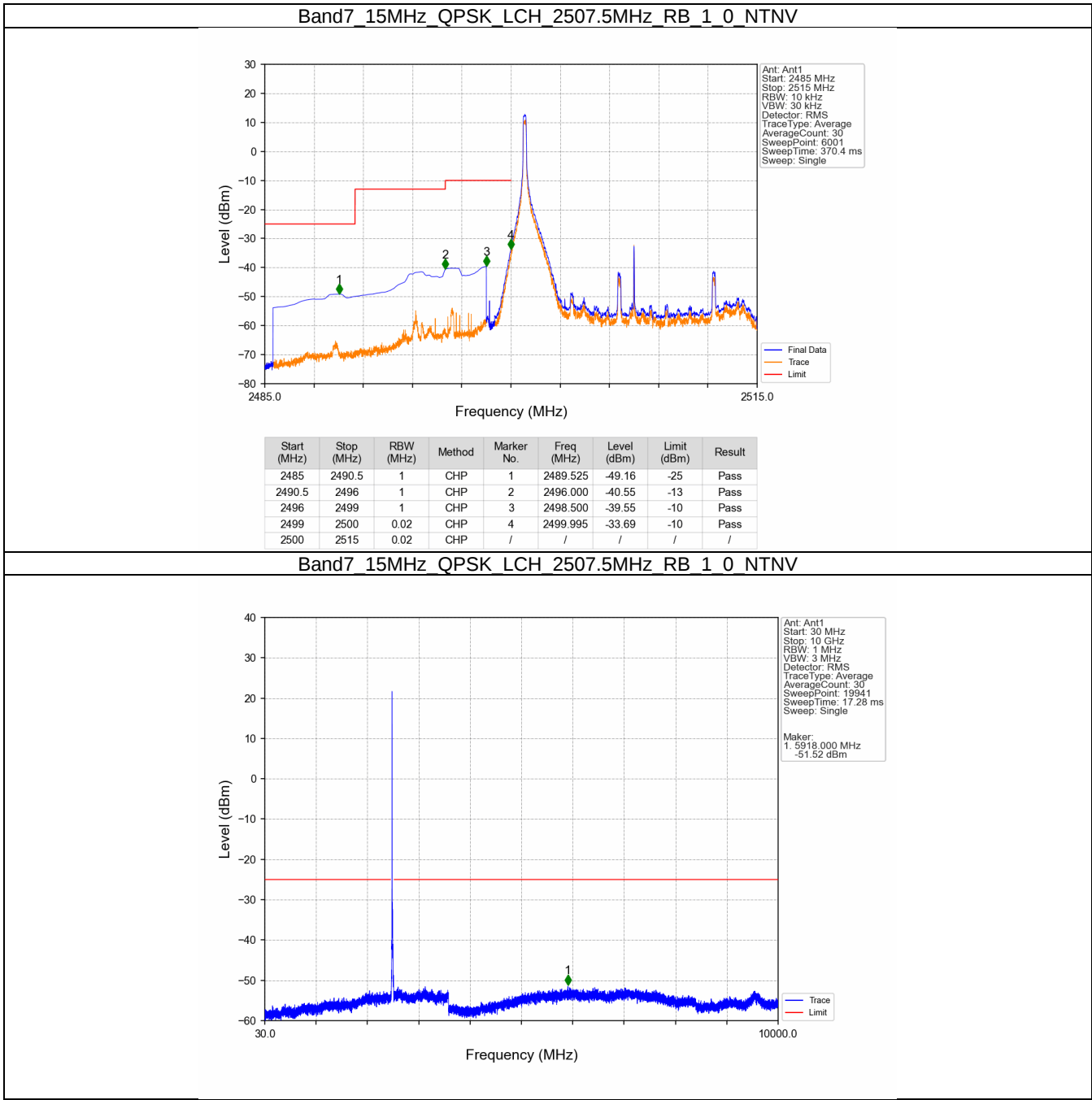
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2560	2570	0.02	CHP	/	/	/	/	/
2570	2571	0.02	CHP	1	2570.005	-30.44	-10	Pass
2571	2575	1	CHP	2	2571.500	-39.45	-10	Pass
2575	2579.969	1	CHP	3	2576.815	-46.45	-13	Pass
2579.969	2585	1	CHP	4	2579.970	-52.99	-25	Pass

Band7_10MHz_QPSK_HCH_2565MHz_RB_50_0_NTNV

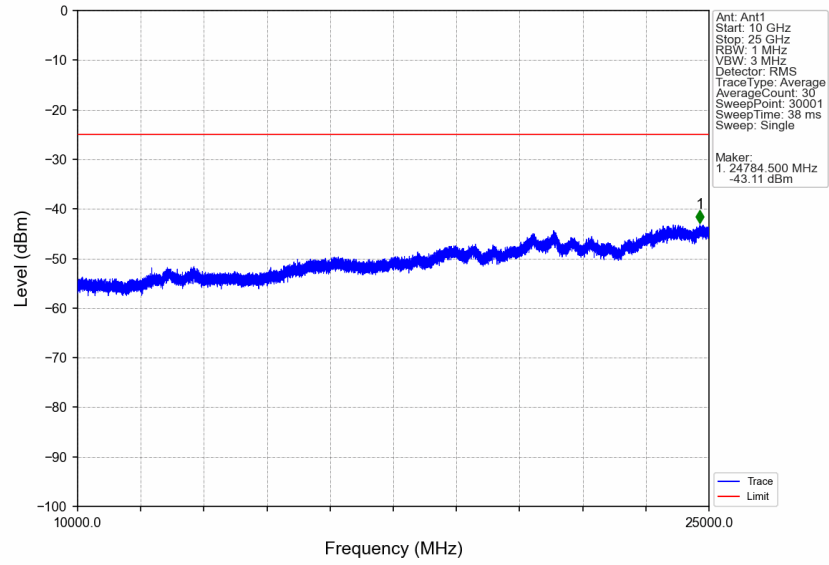


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2560	2570	0.199	CHP	/	/	/	/	/
2570	2571	0.199	CHP	1	2570.025	-33.47	-10	Pass
2571	2575	1	CHP	2	2573.925	-30.91	-10	Pass
2575	2579.969	1	CHP	3	2578.250	-29.45	-13	Pass
2579.969	2585	1	CHP	4	2580.100	-31.01	-25	Pass

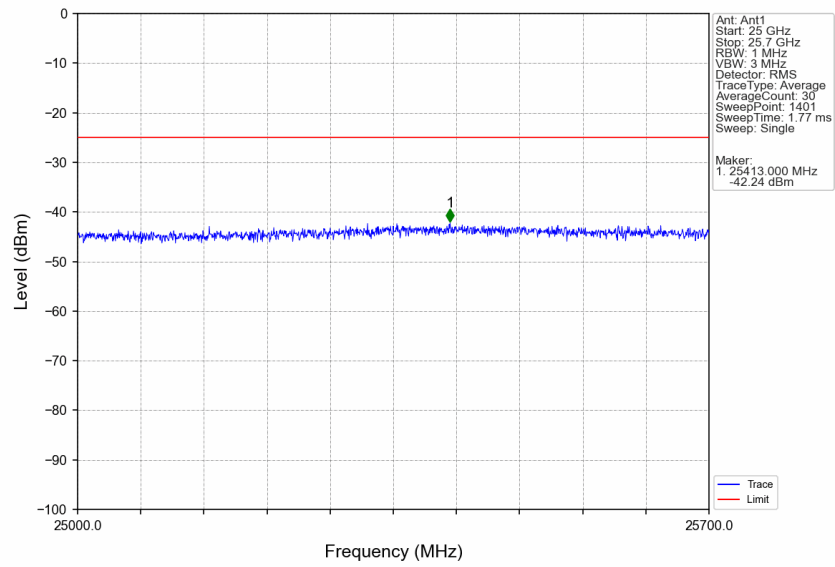
5.2.3 B7_15MHz



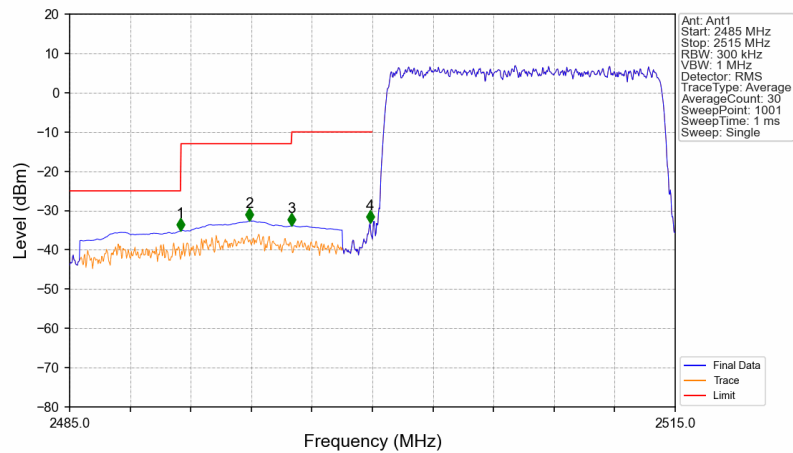
Band7_15MHz_QPSK_LCH_2507.5MHz_RB_1_0_NTNV



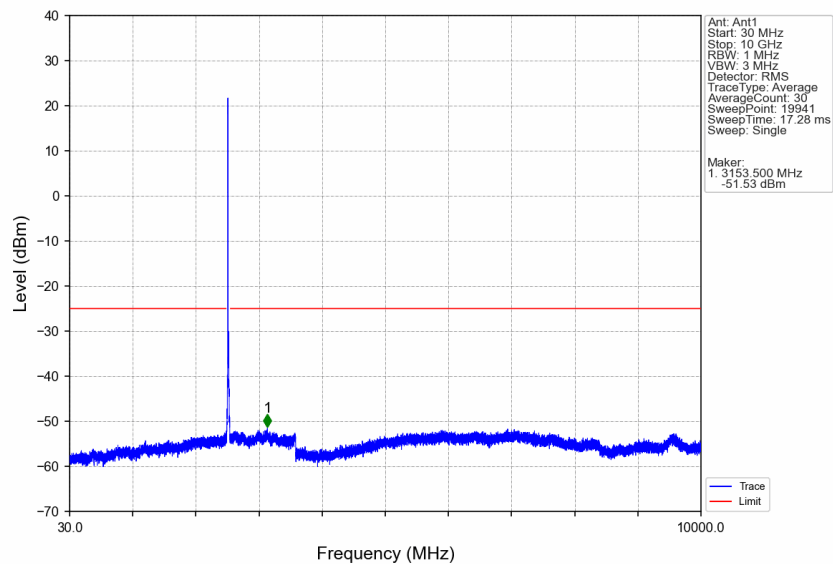
Band7_15MHz_QPSK_LCH_2507.5MHz_RB_1_0_NTNV



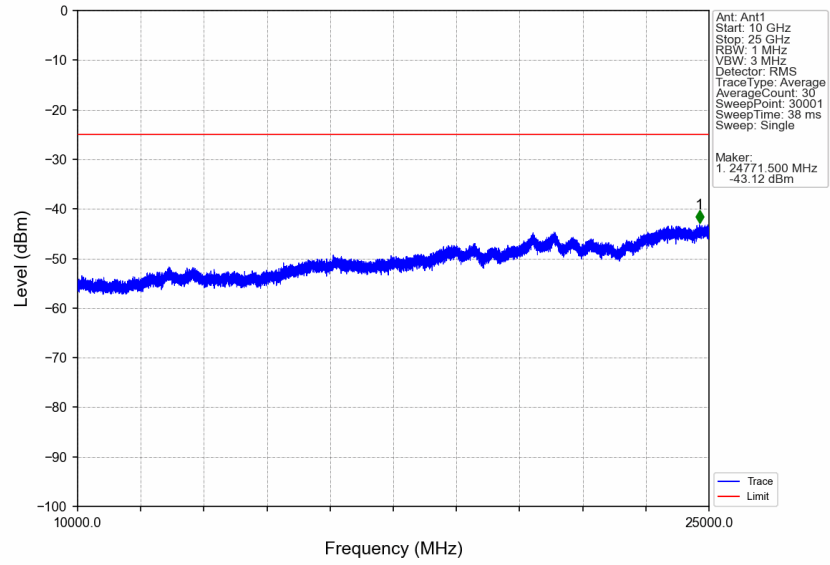
Band7_15MHz_QPSK_LCH_2507.5MHz_RB_75_0_NTNV



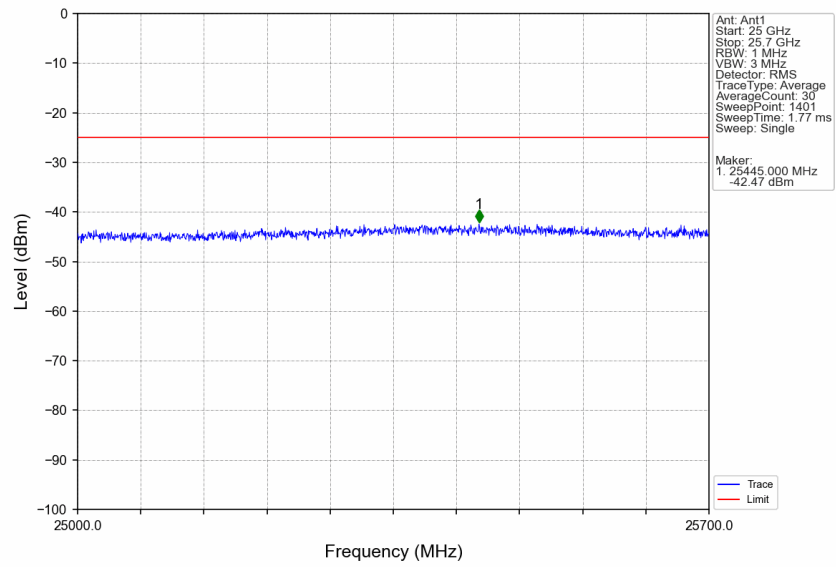
Band7_15MHz_QPSK_MCH_2535MHz_RB_1_0_NTNV



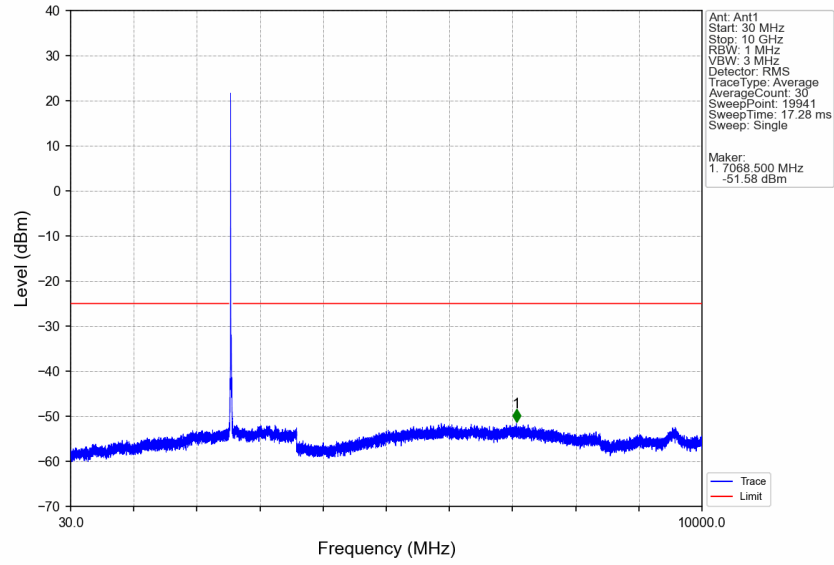
Band7_15MHz_QPSK_MCH_2535MHz_RB_1_0_NTNV



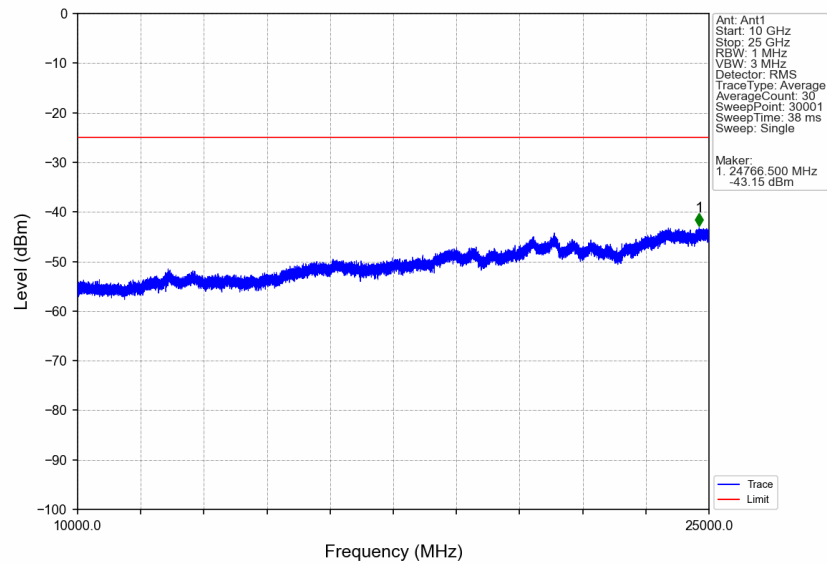
Band7_15MHz_QPSK_MCH_2535MHz_RB_1_0_NTNV



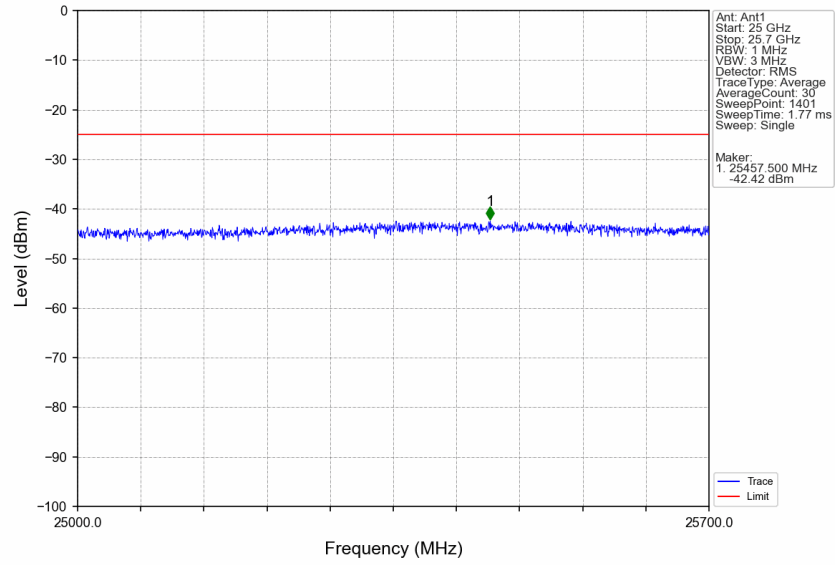
Band7_15MHz_QPSK_HCH_2562.5MHz_RB_1_0_NTNV



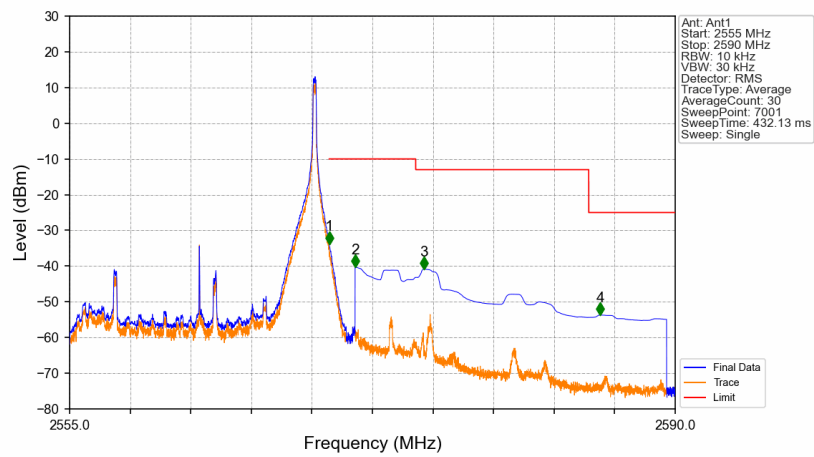
Band7_15MHz_QPSK_HCH_2562.5MHz_RB_1_0_NTNV



Band7_15MHz_QPSK_HCH_2562.5MHz_RB_1_0_NTNV

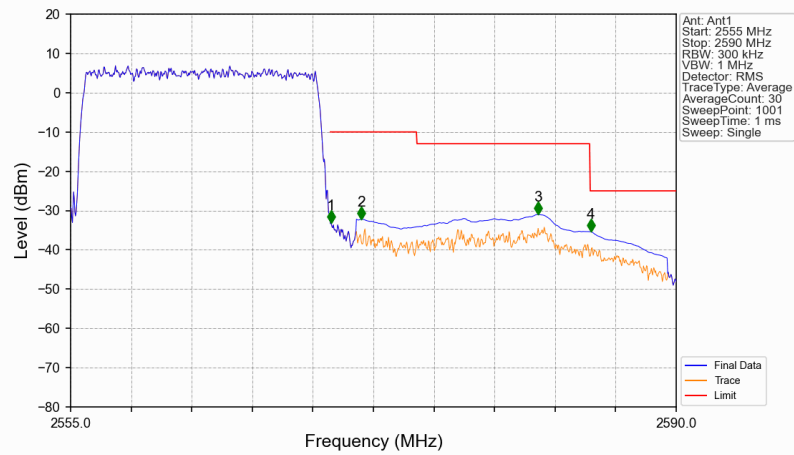


Band7_15MHz_QPSK_HCH_2562.5MHz_RB_1_74_NTNV



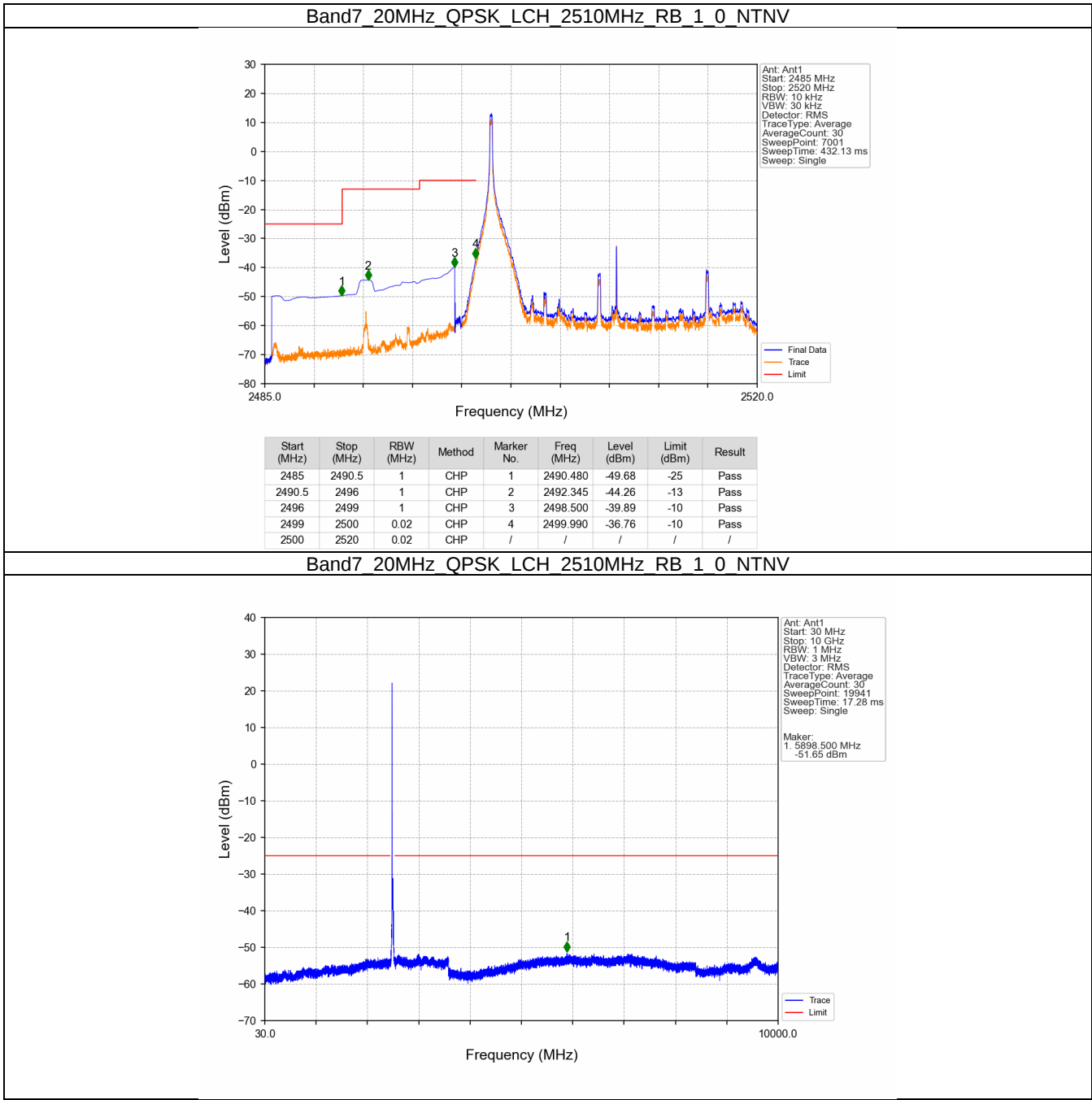
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2555	2570	0.02	CHP	/	/	/	/	/
2570	2571	0.02	CHP	1	2570.005	-33.76	-10	Pass
2571	2575	1	CHP	2	2571.500	-40.29	-10	Pass
2575	2585.004	1	CHP	3	2575.475	-40.80	-13	Pass
2585.004	2590	1	CHP	4	2585.675	-53.70	-25	Pass

Band7_15MHz_QPSK_HCH_2562.5MHz_RB_75_0_NTNV

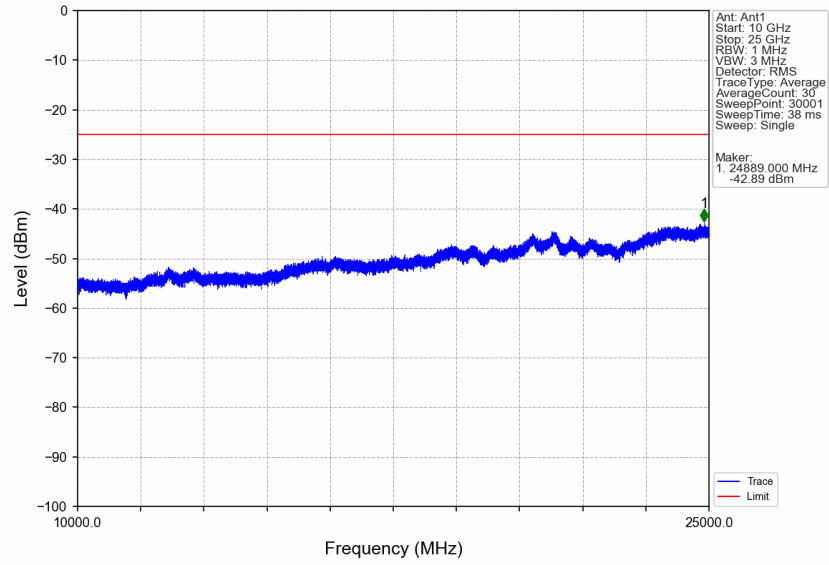


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2555	2570	0.3	/	/	/	/	/	/
2570	2571	0.3	/	1	2570.050	-33.20	-10	Pass
2571	2575	1	CHP	2	2571.800	-32.19	-10	Pass
2575	2585.004	1	CHP	3	2582.020	-31.03	-13	Pass
2585.004	2590	1	CHP	4	2585.065	-35.39	-25	Pass

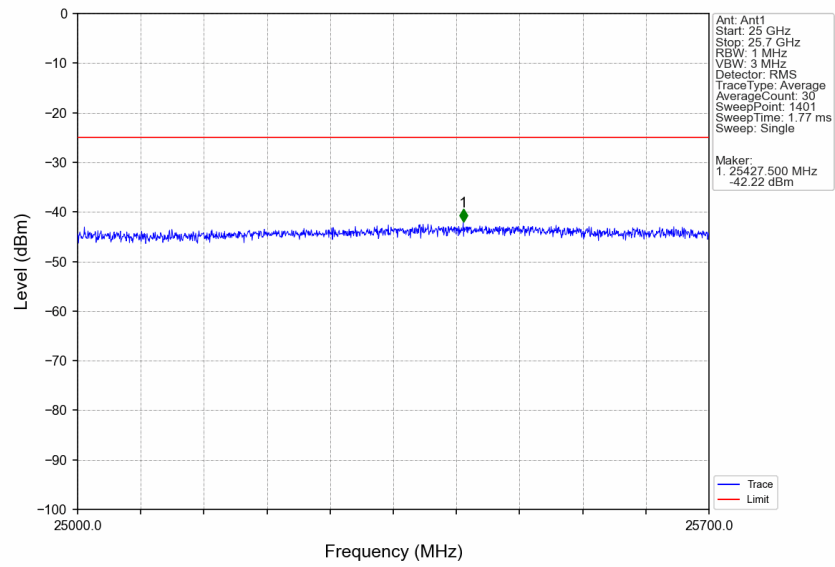
5.2.4 B7_20MHz



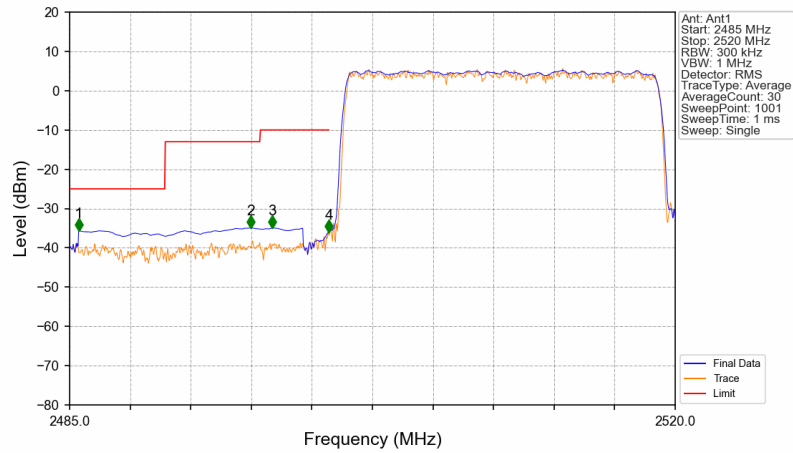
Band7_20MHz_QPSK_LCH_2510MHz_RB_1_0_NTNV



Band7_20MHz_QPSK_LCH_2510MHz_RB_1_0_NTNV

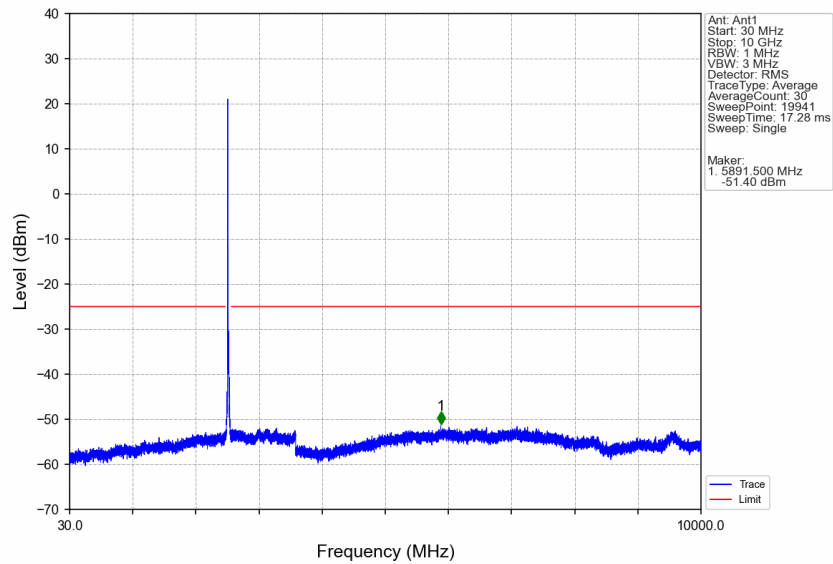


Band7_20MHz_QPSK_LCH_2510MHz_RB_100_0_NTNV

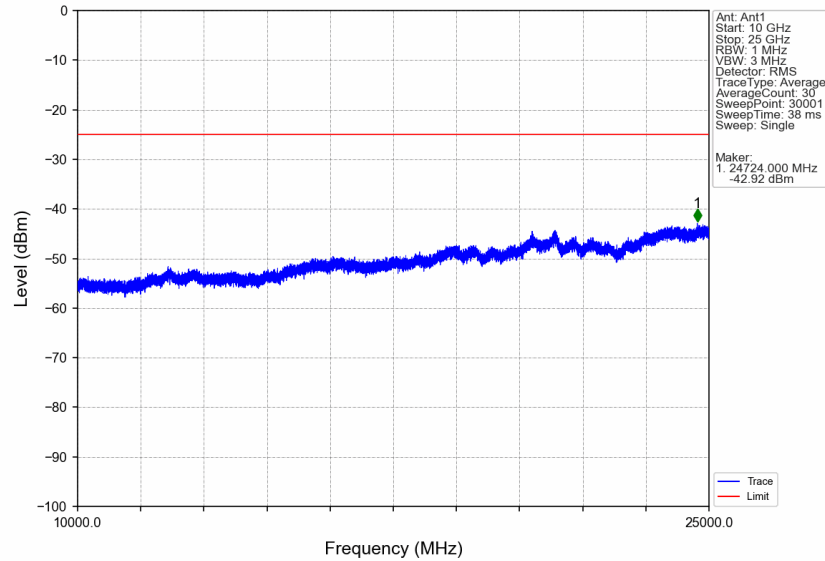


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2485.525	-35.61	-25	Pass
2490.5	2496	1	CHP	2	2495.465	-34.92	-13	Pass
2496	2499	1	CHP	3	2496.725	-34.95	-10	Pass
2499	2500	0.396	CHP	4	2499.980	-36.12	-10	Pass
2500	2520	0.396	CHP	/	/	/	/	/

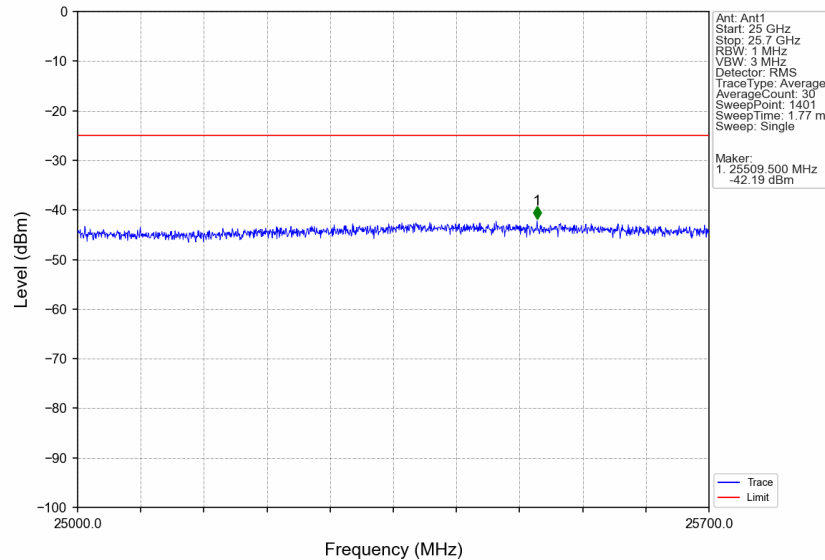
Band7_20MHz_QPSK_MCH_2535MHz_RB_1_0_NTNV



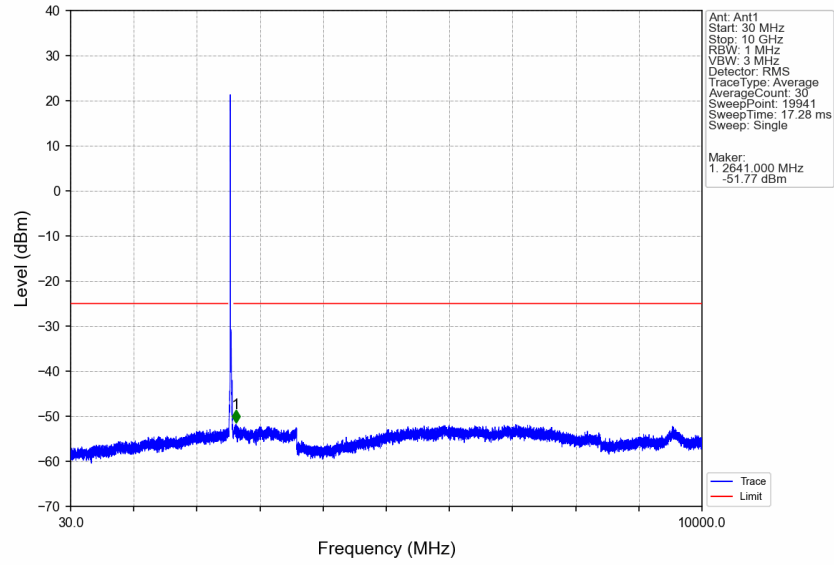
Band7_20MHz_QPSK_MCH_2535MHz_RB_1_0_NTNV



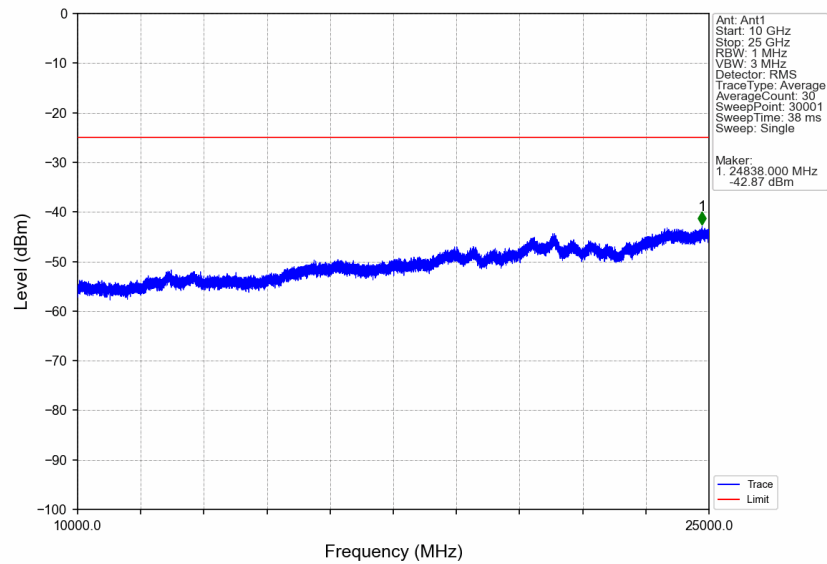
Band7_20MHz_QPSK_MCH_2535MHz_RB_1_0_NTNV



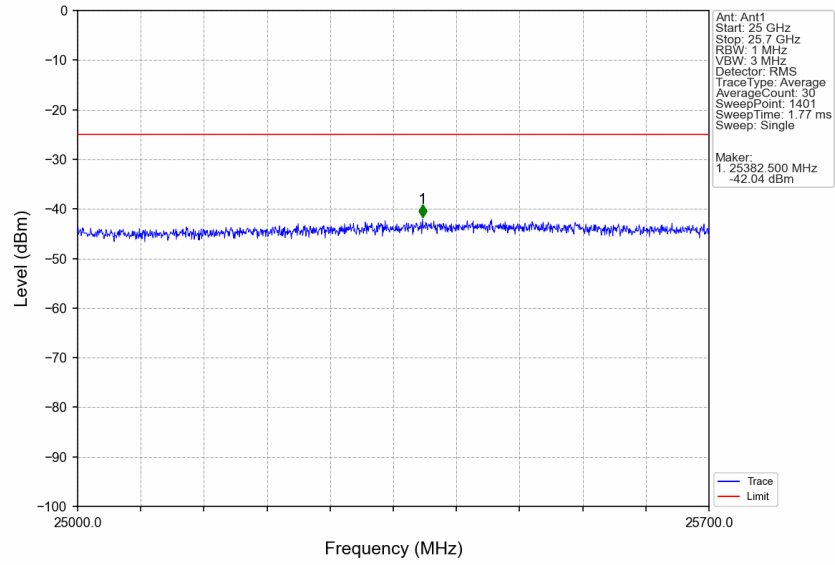
Band7_20MHz_QPSK_HCH_2560MHz_RB_1_0_NTNV



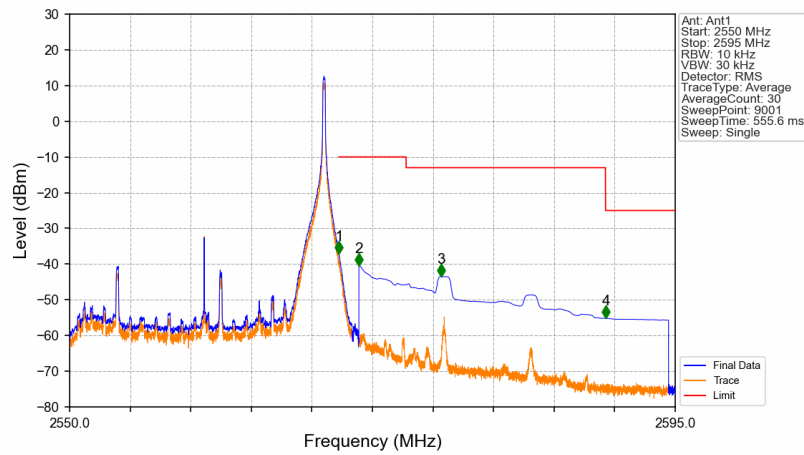
Band7_20MHz_QPSK_HCH_2560MHz_RB_1_0_NTNV



Band7_20MHz_QPSK_HCH_2560MHz_RB_1_0_NTNV

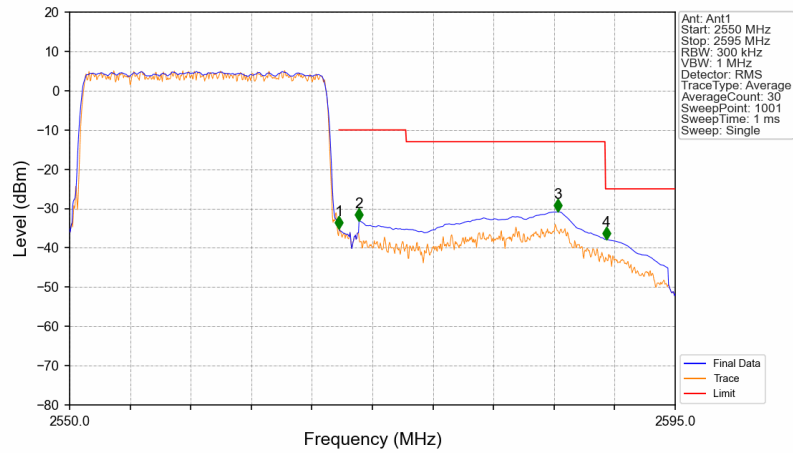


Band7_20MHz_QPSK_HCH_2560MHz_RB_1_99_NTNV



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	2570.020	-37.13	-10	Pass
2571	2575	1	CHP	2	2571.500	-40.39	-10	Pass
2575	2589.818	1	CHP	3	2577.620	-43.50	-13	Pass
2589.818	2595	1	CHP	4	2589.845	-55.18	-25	Pass

Band7_20MHz_QPSK_HCH_2560MHz_RB_100_0_NTV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2550	2570	0.396	CHP	/	/	/	/	/
2570	2571	0.396	CHP	1	2570.025	-35.16	-10	Pass
2571	2575	1	CHP	2	2571.510	-33.13	-10	Pass
2575	2589.818	1	CHP	3	2586.270	-30.82	-13	Pass
2589.818	2595	1	CHP	4	2589.870	-37.82	-25	Pass

6. Field Strength of Spurious Radiation

Test Band = LTE Band7_ TM1

Test Channel = Low

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	4020.75	42.78	-45.98	29.45	-69.01	-25.00	44.01	Horizontal
2	5002.5	44.41	-45.63	31.40	-65.08	-25.00	40.08	Horizontal
3	6303	42.11	-44.54	33.43	-64.26	-25.00	39.26	Horizontal
4	8076.75	39.67	-41.59	37.05	-60.13	-25.00	35.13	Horizontal
5	9559.5	37.27	-39.90	37.62	-60.27	-25.00	35.27	Horizontal
6	11184.75	32.86	-37.48	38.69	-61.19	-25.00	36.19	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	5002.5	45.98	-45.63	31.40	-63.51	-25.00	38.51	Vertical
2	6269.25	42.44	-44.61	33.32	-64.11	-25.00	39.11	Vertical
3	7503	40.32	-43.13	36.40	-61.67	-25.00	36.67	Vertical
4	10004.25	44.62	-39.23	38.50	-51.37	-25.00	26.37	Vertical
5	12505.5	35.24	-36.99	39.25	-57.76	-25.00	32.76	Vertical
6	14401.5	32.39	-34.80	41.12	-56.55	-25.00	31.55	Vertical

Test Band = LTE Band7_ TM1

Test Channel = Mid

Final Data List

NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	4440	42.36	-45.78	30.46	-68.22	-25.00	43.22	Horizontal
2	5568.75	42.53	-45.12	32.31	-65.54	-25.00	40.54	Horizontal
3	6663.75	41.17	-44.01	34.39	-63.70	-25.00	38.70	Horizontal
4	7568.25	40.10	-43.00	36.50	-61.66	-25.00	36.66	Horizontal
5	9517.5	37.88	-40.13	37.54	-59.98	-25.00	34.98	Horizontal
6	11874	32.72	-37.06	39.04	-60.56	-25.00	35.56	Horizontal

Final Data List

NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	4031.25	42.79	-45.95	29.48	-68.95	-25.00	43.95	Vertical
2	5052	45.53	-45.50	31.49	-63.74	-25.00	38.74	Vertical
3	5997.75	43.10	-44.83	32.40	-64.59	-25.00	39.59	Vertical
4	7452	40.41	-43.27	36.27	-61.85	-25.00	36.85	Vertical
5	8610	38.34	-41.37	36.73	-61.55	-25.00	36.55	Vertical
6	10104	41.90	-39.14	38.51	-53.98	-25.00	28.98	Vertical

Test Band = LTE Band7_ TM1
Test Channel = High

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3948	43.27	-46.16	29.32	-68.84	-25.00	43.84	Horizontal
2	5455.5	42.81	-45.27	32.22	-65.50	-25.00	40.50	Horizontal
3	6667.5	41.66	-43.99	34.40	-63.18	-25.00	38.18	Horizontal
4	8373.75	38.80	-41.60	36.88	-61.18	-25.00	36.18	Horizontal
5	10204.5	39.72	-39.48	38.52	-56.50	-25.00	31.50	Horizontal
6	11976	33.00	-37.50	39.09	-60.67	-25.00	35.67	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3849.75	43.08	-46.10	29.16	-69.12	-25.00	44.12	Vertical
2	5657.25	42.34	-44.94	32.33	-65.53	-25.00	40.53	Vertical
3	7023.75	41.18	-43.71	35.07	-62.72	-25.00	37.72	Vertical
4	7653.75	41.53	-43.03	36.62	-60.15	-25.00	35.15	Vertical
5	10204.5	45.54	-39.48	38.52	-50.68	-25.00	25.68	Vertical
6	12755.25	36.32	-36.76	39.33	-56.38	-25.00	31.38	Vertical