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	22.00	-0.30	21.70	<=33.01	Pass
			13	22.30	-0.30	22.00	<=33.01	Pass
			24	22.54	-0.30	22.24	<=33.01	Pass
		12	0	21.08	-0.30	20.78	<=33.01	Pass
			6	21.18	-0.30	20.88	<=33.01	Pass
			13	21.34	-0.30	21.04	<=33.01	Pass
		25	0	21.28	-0.30	20.98	<=33.01	Pass
	2535	1	0	22.65	-0.30	22.35	<=33.01	Pass
			13	22.71	-0.30	22.41	<=33.01	Pass
			24	22.69	-0.30	22.39	<=33.01	Pass
		12	0	21.75	-0.30	21.45	<=33.01	Pass
			6	21.75	-0.30	21.45	<=33.01	Pass
			13	21.80	-0.30	21.50	<=33.01	Pass
		25	0	21.80	-0.30	21.50	<=33.01	Pass
	2567.5	1	0	22.86	-0.30	22.56	<=33.01	Pass
			13	22.60	-0.30	22.30	<=33.01	Pass
			24	22.38	-0.30	22.08	<=33.01	Pass
		12	0	21.71	-0.30	21.41	<=33.01	Pass
			6	21.59	-0.30	21.29	<=33.01	Pass
			13	21.45	-0.30	21.15	<=33.01	Pass
		25	0	21.64	-0.30	21.34	<=33.01	Pass
16QAM	2502.5	1	0	21.09	-0.30	20.79	<=33.01	Pass
			13	21.48	-0.30	21.18	<=33.01	Pass
			24	21.77	-0.30	21.47	<=33.01	Pass
		12	0	20.15	-0.30	19.85	<=33.01	Pass
			6	20.17	-0.30	19.87	<=33.01	Pass
			13	20.41	-0.30	20.11	<=33.01	Pass
		25	0	20.25	-0.30	19.95	<=33.01	Pass
	2535	1	0	21.94	-0.30	21.64	<=33.01	Pass
			13	21.89	-0.30	21.59	<=33.01	Pass
			24	21.84	-0.30	21.54	<=33.01	Pass
		12	0	20.74	-0.30	20.44	<=33.01	Pass
			6	20.76	-0.30	20.46	<=33.01	Pass
			13	20.83	-0.30	20.53	<=33.01	Pass
		25	0	20.75	-0.30	20.45	<=33.01	Pass
	2567.5	1	0	22.11	-0.30	21.81	<=33.01	Pass
			13	21.78	-0.30	21.48	<=33.01	Pass
			24	21.17	-0.30	20.87	<=33.01	Pass
		12	0	20.69	-0.30	20.39	<=33.01	Pass
			6	20.58	-0.30	20.28	<=33.01	Pass
			13	20.47	-0.30	20.17	<=33.01	Pass
		25	0	20.60	-0.30	20.30	<=33.01	Pass
64QAM	2502.5	1	0	20.02	-0.30	19.72	<=33.01	Pass
			13	20.34	-0.30	20.04	<=33.01	Pass
			24	20.71	-0.30	20.41	<=33.01	Pass
		12	0	19.14	-0.30	18.84	<=33.01	Pass
			6	19.26	-0.30	18.96	<=33.01	Pass
			13	19.42	-0.30	19.12	<=33.01	Pass
		25	0	19.21	-0.30	18.91	<=33.01	Pass

	2535	1	0	20.91	-0.30	20.61	<=33.01	Pass
			13	20.30	-0.30	20.00	<=33.01	Pass
			24	20.96	-0.30	20.66	<=33.01	Pass
		12	0	19.82	-0.30	19.52	<=33.01	Pass
			6	19.75	-0.30	19.45	<=33.01	Pass
			13	19.82	-0.30	19.52	<=33.01	Pass
		25	0	19.79	-0.30	19.49	<=33.01	Pass
	2567.5	1	0	20.62	-0.30	20.32	<=33.01	Pass
			13	20.53	-0.30	20.23	<=33.01	Pass
			24	20.37	-0.30	20.07	<=33.01	Pass
		12	0	19.77	-0.30	19.47	<=33.01	Pass
			6	19.61	-0.30	19.31	<=33.01	Pass
			13	19.50	-0.30	19.20	<=33.01	Pass
		25	0	19.59	-0.30	19.29	<=33.01	Pass
256QAM	2502.5	1	0	17.01	-0.30	16.71	<=33.01	Pass
			13	17.26	-0.30	16.96	<=33.01	Pass
			24	17.70	-0.30	17.40	<=33.01	Pass
		12	0	17.13	-0.30	16.83	<=33.01	Pass
			6	17.23	-0.30	16.93	<=33.01	Pass
			13	17.44	-0.30	17.14	<=33.01	Pass
		25	0	17.26	-0.30	16.96	<=33.01	Pass
	2535	1	0	17.81	-0.30	17.51	<=33.01	Pass
			13	17.75	-0.30	17.45	<=33.01	Pass
			24	17.92	-0.30	17.62	<=33.01	Pass
		12	0	17.75	-0.30	17.45	<=33.01	Pass
			6	17.72	-0.30	17.42	<=33.01	Pass
			13	17.74	-0.30	17.44	<=33.01	Pass
		25	0	17.81	-0.30	17.51	<=33.01	Pass
	2567.5	1	0	17.98	-0.30	17.68	<=33.01	Pass
			13	17.09	-0.30	16.79	<=33.01	Pass
			24	17.47	-0.30	17.17	<=33.01	Pass
		12	0	17.67	-0.30	17.37	<=33.01	Pass
			6	17.50	-0.30	17.20	<=33.01	Pass
			13	17.45	-0.30	17.15	<=33.01	Pass
		25	0	17.56	-0.30	17.26	<=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	21.94	-0.30	21.64	<=33.01	Pass
			25	22.49	-0.30	22.19	<=33.01	Pass
			49	23.08	-0.30	22.78	<=33.01	Pass
		25	0	21.33	-0.30	21.03	<=33.01	Pass
			13	21.64	-0.30	21.34	<=33.01	Pass
			25	21.85	-0.30	21.55	<=33.01	Pass
		50	0	21.57	-0.30	21.27	<=33.01	Pass
	2535	1	0	22.81	-0.30	22.51	<=33.01	Pass
			25	22.65	-0.30	22.35	<=33.01	Pass
			49	22.84	-0.30	22.54	<=33.01	Pass
		25	0	21.75	-0.30	21.45	<=33.01	Pass
			13	21.74	-0.30	21.44	<=33.01	Pass
			25	21.82	-0.30	21.52	<=33.01	Pass
		50	0	21.79	-0.30	21.49	<=33.01	Pass
	2565	1	0	23.14	-0.30	22.84	<=33.01	Pass

			25	22.59	-0.30	22.29	<=33.01	Pass
			49	22.25	-0.30	21.95	<=33.01	Pass
		25	0	22.07	-0.30	21.77	<=33.01	Pass
			13	21.84	-0.30	21.54	<=33.01	Pass
			25	21.62	-0.30	21.32	<=33.01	Pass
		50	0	21.85	-0.30	21.55	<=33.01	Pass
16QAM	2505	1	0	21.23	-0.30	20.93	<=33.01	Pass
			25	21.62	-0.30	21.32	<=33.01	Pass
			49	22.16	-0.30	21.86	<=33.01	Pass
		25	0	20.24	-0.30	19.94	<=33.01	Pass
			13	20.65	-0.30	20.35	<=33.01	Pass
			25	20.85	-0.30	20.55	<=33.01	Pass
		50	0	20.55	-0.30	20.25	<=33.01	Pass
	2535	1	0	21.96	-0.30	21.66	<=33.01	Pass
			25	21.74	-0.30	21.44	<=33.01	Pass
			49	22.10	-0.30	21.80	<=33.01	Pass
		25	0	20.76	-0.30	20.46	<=33.01	Pass
			13	20.74	-0.30	20.44	<=33.01	Pass
			25	20.84	-0.30	20.54	<=33.01	Pass
		50	0	20.78	-0.30	20.48	<=33.01	Pass
	2565	1	0	22.42	-0.30	22.12	<=33.01	Pass
			25	21.74	-0.30	21.44	<=33.01	Pass
			49	21.54	-0.30	21.24	<=33.01	Pass
		25	0	21.09	-0.30	20.79	<=33.01	Pass
			13	20.82	-0.30	20.52	<=33.01	Pass
			25	20.55	-0.30	20.25	<=33.01	Pass
		50	0	20.83	-0.30	20.53	<=33.01	Pass
64QAM	2505	1	0	19.48	-0.30	19.18	<=33.01	Pass
			25	20.70	-0.30	20.40	<=33.01	Pass
			49	21.01	-0.30	20.71	<=33.01	Pass
		25	0	19.35	-0.30	19.05	<=33.01	Pass
			13	19.64	-0.30	19.34	<=33.01	Pass
			25	19.85	-0.30	19.55	<=33.01	Pass
		50	0	19.56	-0.30	19.26	<=33.01	Pass
	2535	1	0	20.77	-0.30	20.47	<=33.01	Pass
			25	20.70	-0.30	20.40	<=33.01	Pass
			49	21.12	-0.30	20.82	<=33.01	Pass
		25	0	19.75	-0.30	19.45	<=33.01	Pass
			13	19.74	-0.30	19.44	<=33.01	Pass
			25	19.81	-0.30	19.51	<=33.01	Pass
		50	0	19.77	-0.30	19.47	<=33.01	Pass
	2565	1	0	21.33	-0.30	21.03	<=33.01	Pass
			25	20.75	-0.30	20.45	<=33.01	Pass
			49	20.44	-0.30	20.14	<=33.01	Pass
		25	0	20.12	-0.30	19.82	<=33.01	Pass
			13	19.86	-0.30	19.56	<=33.01	Pass
			25	19.60	-0.30	19.30	<=33.01	Pass
		50	0	19.83	-0.30	19.53	<=33.01	Pass
256QAM	2505	1	0	17.12	-0.30	16.82	<=33.01	Pass
			25	17.60	-0.30	17.30	<=33.01	Pass
			49	18.20	-0.30	17.90	<=33.01	Pass
		25	0	17.30	-0.30	17.00	<=33.01	Pass
			13	17.66	-0.30	17.36	<=33.01	Pass
			25	17.83	-0.30	17.53	<=33.01	Pass
		50	0	17.53	-0.30	17.23	<=33.01	Pass
	2535	1	0	17.88	-0.30	17.58	<=33.01	Pass
			25	17.77	-0.30	17.47	<=33.01	Pass
			49	18.03	-0.30	17.73	<=33.01	Pass
		25	0	17.77	-0.30	17.47	<=33.01	Pass

			13	17.76	-0.30	17.46	<=33.01	Pass
			25	17.80	-0.30	17.50	<=33.01	Pass
		50	0	17.75	-0.30	17.45	<=33.01	Pass
	2565	1	0	18.46	-0.30	18.16	<=33.01	Pass
			25	17.84	-0.30	17.54	<=33.01	Pass
			49	17.38	-0.30	17.08	<=33.01	Pass
		25	0	17.97	-0.30	17.67	<=33.01	Pass
			13	17.82	-0.30	17.52	<=33.01	Pass
			25	17.61	-0.30	17.31	<=33.01	Pass
		50	0	17.82	-0.30	17.52	<=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	22.02	-0.30	21.72	<=33.01	Pass
			38	22.88	-0.30	22.58	<=33.01	Pass
			74	23.34	-0.30	23.04	<=33.01	Pass
		36	0	21.40	-0.30	21.10	<=33.01	Pass
			18	21.87	-0.30	21.57	<=33.01	Pass
			39	22.26	-0.30	21.96	<=33.01	Pass
		75	0	21.75	-0.30	21.45	<=33.01	Pass
	2535	1	0	22.74	-0.30	22.44	<=33.01	Pass
			38	22.63	-0.30	22.33	<=33.01	Pass
			74	22.96	-0.30	22.66	<=33.01	Pass
		36	0	21.76	-0.30	21.46	<=33.01	Pass
			18	21.74	-0.30	21.44	<=33.01	Pass
			39	21.88	-0.30	21.58	<=33.01	Pass
		75	0	21.81	-0.30	21.51	<=33.01	Pass
	2562.5	1	0	23.48	-0.30	23.18	<=33.01	Pass
			38	22.94	-0.30	22.64	<=33.01	Pass
			74	22.34	-0.30	22.04	<=33.01	Pass
		36	0	22.41	-0.30	22.11	<=33.01	Pass
			18	22.15	-0.30	21.85	<=33.01	Pass
			39	21.70	-0.30	21.40	<=33.01	Pass
		75	0	22.08	-0.30	21.78	<=33.01	Pass
16QAM	2507.5	1	0	21.14	-0.30	20.84	<=33.01	Pass
			38	22.20	-0.30	21.90	<=33.01	Pass
			74	22.47	-0.30	22.17	<=33.01	Pass
		36	0	20.51	-0.30	20.21	<=33.01	Pass
			18	20.86	-0.30	20.56	<=33.01	Pass
			39	21.25	-0.30	20.95	<=33.01	Pass
		75	0	20.92	-0.30	20.62	<=33.01	Pass
	2535	1	0	22.02	-0.30	21.72	<=33.01	Pass
			38	21.91	-0.30	21.61	<=33.01	Pass
			74	22.13	-0.30	21.83	<=33.01	Pass
		36	0	20.78	-0.30	20.48	<=33.01	Pass
			18	20.73	-0.30	20.43	<=33.01	Pass
			39	20.86	-0.30	20.56	<=33.01	Pass
		75	0	20.87	-0.30	20.57	<=33.01	Pass
	2562.5	1	0	22.62	-0.30	22.32	<=33.01	Pass
			38	22.17	-0.30	21.87	<=33.01	Pass
			74	21.47	-0.30	21.17	<=33.01	Pass
		36	0	21.21	-0.30	20.91	<=33.01	Pass
			18	21.19	-0.30	20.89	<=33.01	Pass

			39	20.75	-0.30	20.45	<=33.01	Pass
		75	0	21.10	-0.30	20.80	<=33.01	Pass
64QAM	2507.5	1	0	19.89	-0.30	19.59	<=33.01	Pass
			38	21.15	-0.30	20.85	<=33.01	Pass
			74	21.56	-0.30	21.26	<=33.01	Pass
		36	0	19.51	-0.30	19.21	<=33.01	Pass
			18	19.87	-0.30	19.57	<=33.01	Pass
			39	20.18	-0.30	19.88	<=33.01	Pass
		75	0	19.87	-0.30	19.57	<=33.01	Pass
	2535	1	0	21.00	-0.30	20.70	<=33.01	Pass
			38	20.79	-0.30	20.49	<=33.01	Pass
			74	21.01	-0.30	20.71	<=33.01	Pass
		36	0	19.81	-0.30	19.51	<=33.01	Pass
			18	19.75	-0.30	19.45	<=33.01	Pass
			39	19.90	-0.30	19.60	<=33.01	Pass
		75	0	19.86	-0.30	19.56	<=33.01	Pass
	2562.5	1	0	21.90	-0.30	21.60	<=33.01	Pass
			38	21.15	-0.30	20.85	<=33.01	Pass
			74	20.34	-0.30	20.04	<=33.01	Pass
		36	0	20.43	-0.30	20.13	<=33.01	Pass
			18	20.18	-0.30	19.88	<=33.01	Pass
			39	19.76	-0.30	19.46	<=33.01	Pass
		75	0	20.08	-0.30	19.78	<=33.01	Pass
256QAM	2507.5	1	0	17.12	-0.30	16.82	<=33.01	Pass
			38	18.11	-0.30	17.81	<=33.01	Pass
			74	18.48	-0.30	18.18	<=33.01	Pass
		36	0	17.49	-0.30	17.19	<=33.01	Pass
			18	17.92	-0.30	17.62	<=33.01	Pass
			39	18.25	-0.30	17.95	<=33.01	Pass
		75	0	17.90	-0.30	17.60	<=33.01	Pass
	2535	1	0	18.01	-0.30	17.71	<=33.01	Pass
			38	17.75	-0.30	17.45	<=33.01	Pass
			74	18.09	-0.30	17.79	<=33.01	Pass
		36	0	17.76	-0.30	17.46	<=33.01	Pass
			18	17.73	-0.30	17.43	<=33.01	Pass
			39	17.88	-0.30	17.58	<=33.01	Pass
		75	0	17.88	-0.30	17.58	<=33.01	Pass
	2562.5	1	0	18.79	-0.30	18.49	<=33.01	Pass
			38	18.25	-0.30	17.95	<=33.01	Pass
			74	17.51	-0.30	17.21	<=33.01	Pass
		36	0	18.31	-0.30	18.01	<=33.01	Pass
			18	18.17	-0.30	17.87	<=33.01	Pass
			39	17.74	-0.30	17.44	<=33.01	Pass
		75	0	18.14	-0.30	17.84	<=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	22.01	-0.30	21.71	<=33.01	Pass
			50	23.11	-0.30	22.81	<=33.01	Pass
			99	23.37	-0.30	23.07	<=33.01	Pass
		50	0	21.82	-0.30	21.52	<=33.01	Pass
			25	22.17	-0.30	21.87	<=33.01	Pass
			50	22.48	-0.30	22.18	<=33.01	Pass

		100	0	22.12	-0.30	21.82	<=33.01	Pass
	2535	1	0	23.04	-0.30	22.74	<=33.01	Pass
			50	22.82	-0.30	22.52	<=33.01	Pass
			99	23.05	-0.30	22.75	<=33.01	Pass
		50	0	21.83	-0.30	21.53	<=33.01	Pass
			25	21.74	-0.30	21.44	<=33.01	Pass
			50	21.86	-0.30	21.56	<=33.01	Pass
		100	0	21.86	-0.30	21.56	<=33.01	Pass
	2560	1	0	23.70	-0.30	23.40	<=33.01	Pass
			50	23.33	-0.30	23.03	<=33.01	Pass
			99	22.23	-0.30	21.93	<=33.01	Pass
		50	0	22.72	-0.30	22.42	<=33.01	Pass
			25	22.05	-0.30	21.75	<=33.01	Pass
			50	21.97	-0.30	21.67	<=33.01	Pass
		100	0	22.36	-0.30	22.06	<=33.01	Pass
16QAM	2510	1	0	21.34	-0.30	21.04	<=33.01	Pass
			50	22.03	-0.30	21.73	<=33.01	Pass
			99	22.78	-0.30	22.48	<=33.01	Pass
		50	0	20.81	-0.30	20.51	<=33.01	Pass
			25	21.22	-0.30	20.92	<=33.01	Pass
			50	21.54	-0.30	21.24	<=33.01	Pass
		100	0	21.13	-0.30	20.83	<=33.01	Pass
	2535	1	0	22.32	-0.30	22.02	<=33.01	Pass
			50	21.82	-0.30	21.52	<=33.01	Pass
			99	22.29	-0.30	21.99	<=33.01	Pass
		50	0	20.81	-0.30	20.51	<=33.01	Pass
			25	20.75	-0.30	20.45	<=33.01	Pass
			50	20.89	-0.30	20.59	<=33.01	Pass
		100	0	20.85	-0.30	20.55	<=33.01	Pass
	2560	1	0	22.76	-0.30	22.46	<=33.01	Pass
			50	22.51	-0.30	22.21	<=33.01	Pass
			99	21.21	-0.30	20.91	<=33.01	Pass
		50	0	21.74	-0.30	21.44	<=33.01	Pass
			25	21.08	-0.30	20.78	<=33.01	Pass
			50	20.98	-0.30	20.68	<=33.01	Pass
		100	0	21.32	-0.30	21.02	<=33.01	Pass
64QAM	2510	1	0	20.16	-0.30	19.86	<=33.01	Pass
			50	21.39	-0.30	21.09	<=33.01	Pass
			99	21.63	-0.30	21.33	<=33.01	Pass
		50	0	19.76	-0.30	19.46	<=33.01	Pass
			25	20.20	-0.30	19.90	<=33.01	Pass
			50	20.56	-0.30	20.26	<=33.01	Pass
		100	0	20.11	-0.30	19.81	<=33.01	Pass
	2535	1	0	21.19	-0.30	20.89	<=33.01	Pass
			50	20.91	-0.30	20.61	<=33.01	Pass
			99	21.08	-0.30	20.78	<=33.01	Pass
		50	0	19.83	-0.30	19.53	<=33.01	Pass
			25	19.78	-0.30	19.48	<=33.01	Pass
			50	19.89	-0.30	19.59	<=33.01	Pass
		100	0	19.86	-0.30	19.56	<=33.01	Pass
	2560	1	0	21.81	-0.30	21.51	<=33.01	Pass
			50	21.40	-0.30	21.10	<=33.01	Pass
			99	20.34	-0.30	20.04	<=33.01	Pass
		50	0	20.73	-0.30	20.43	<=33.01	Pass
			25	20.33	-0.30	20.03	<=33.01	Pass
			50	19.99	-0.30	19.69	<=33.01	Pass
		100	0	20.24	-0.30	19.94	<=33.01	Pass
256QAM	2510	1	0	17.18	-0.30	16.88	<=33.01	Pass
			50	18.34	-0.30	18.04	<=33.01	Pass

			99	18.68	-0.30	18.38	<=33.01	Pass
		50	0	17.78	-0.30	17.48	<=33.01	Pass
			25	18.20	-0.30	17.90	<=33.01	Pass
			50	18.49	-0.30	18.19	<=33.01	Pass
		100	0	18.13	-0.30	17.83	<=33.01	Pass
	2535	1	0	18.19	-0.30	17.89	<=33.01	Pass
			50	17.84	-0.30	17.54	<=33.01	Pass
			99	18.33	-0.30	18.03	<=33.01	Pass
		50	0	17.86	-0.30	17.56	<=33.01	Pass
			25	17.78	-0.30	17.48	<=33.01	Pass
			50	17.96	-0.30	17.66	<=33.01	Pass
		100	0	17.87	-0.30	17.57	<=33.01	Pass
	2560	1	0	18.81	-0.30	18.51	<=33.01	Pass
			50	18.05	-0.30	17.75	<=33.01	Pass
			99	17.50	-0.30	17.20	<=33.01	Pass
		50	0	18.75	-0.30	18.45	<=33.01	Pass
			25	18.32	-0.30	18.02	<=33.01	Pass
			50	17.92	-0.30	17.62	<=33.01	Pass
		100	0	18.34	-0.30	18.04	<=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	-0.700	-0.0003	-2.5 to 2.5	Pass
					3.85	-4.600	-0.0018	-2.5 to 2.5	Pass
					4.43	-3.100	-0.0012	-2.5 to 2.5	Pass
				-30	3.85	-0.500	-0.0002	-2.5 to 2.5	Pass
				-20	3.85	-10.900	-0.0043	-2.5 to 2.5	Pass
				-10	3.85	4.100	0.0016	-2.5 to 2.5	Pass
				0	3.85	3.900	0.0015	-2.5 to 2.5	Pass
				10	3.85	-8.800	-0.0035	-2.5 to 2.5	Pass
				30	3.85	-11.500	-0.0045	-2.5 to 2.5	Pass
				40	3.85	-6.900	-0.0027	-2.5 to 2.5	Pass
				50	3.85	2.600	0.0010	-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	4.537	/	Pass
	16QAM	2535	25	0	4.529	/	Pass
10	QPSK	2535	50	0	9.118	/	Pass

	16QAM	2535	50	0	9.036	/	Pass
15	QPSK	2535	75	0	13.560	/	Pass
	16QAM	2535	75	0	13.564	/	Pass
20	QPSK	2535	100	0	18.048	/	Pass
	16QAM	2535	100	0	18.083	/	Pass

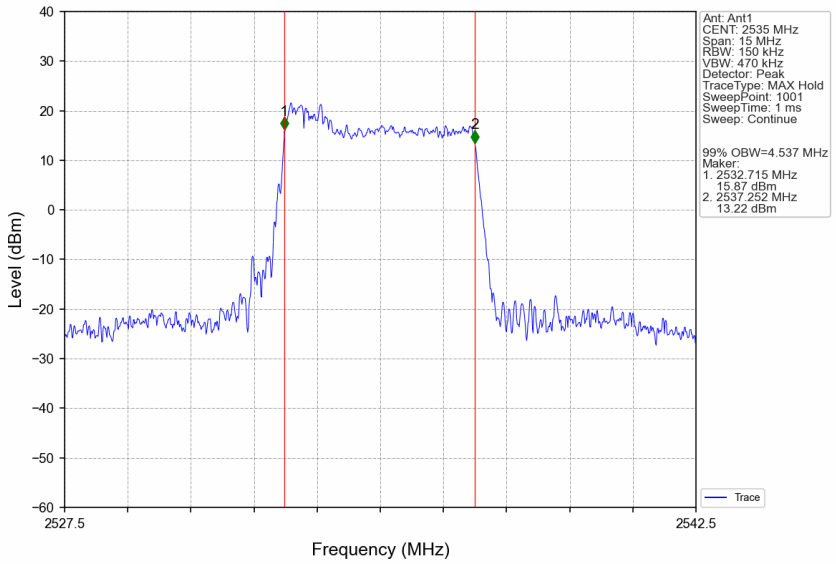
3.1.2 Band7_XDB

Band: 7 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2535	25	0	5.015	/	Pass
	16QAM	2535	25	0	5.056	/	Pass
10	QPSK	2535	50	0	9.951	/	Pass
	16QAM	2535	50	0	9.909	/	Pass
15	QPSK	2535	75	0	14.798	/	Pass
	16QAM	2535	75	0	14.945	/	Pass
20	QPSK	2535	100	0	19.910	/	Pass
	16QAM	2535	100	0	19.897	/	Pass

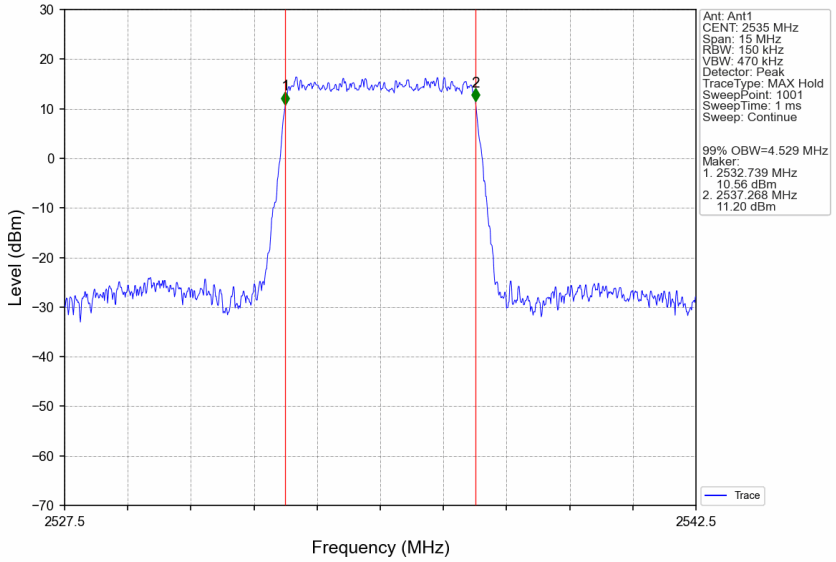
3.2 Test Graph

3.2.1 Band7_OBW

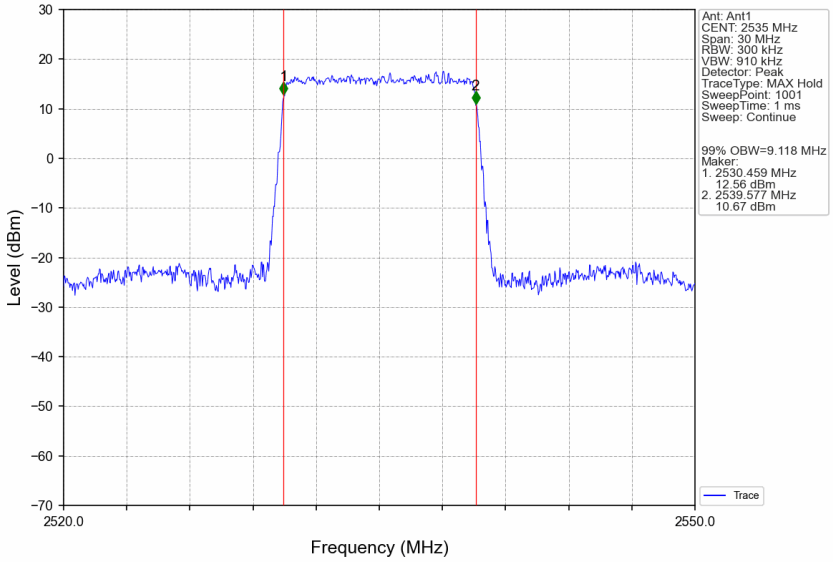
Band7_5MHz_QPSK_MCH_2535MHz_RB_25_0_NTNV



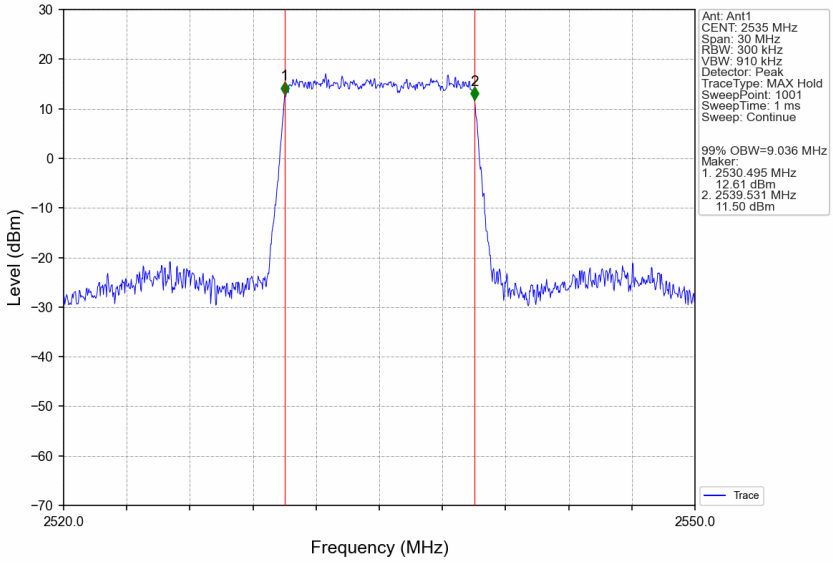
Band7_5MHz_16QAM_MCH_2535MHz_RB_25_0_NTNV



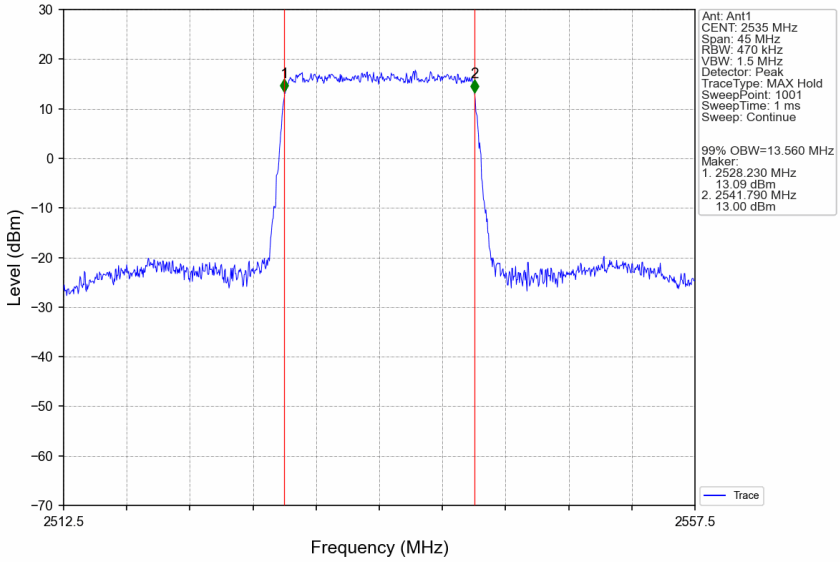
Band7_10MHz_QPSK_MCH_2535MHz_RB_50_0_NTNV



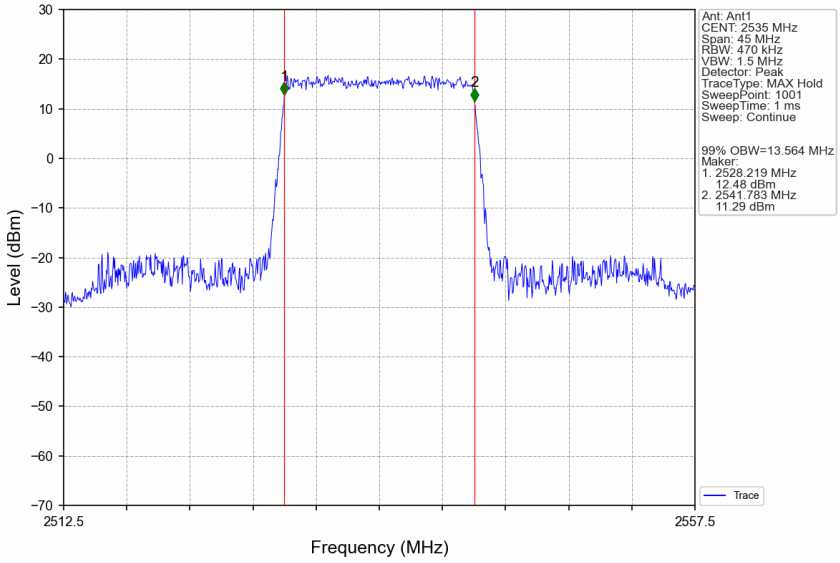
Band7_10MHz_16QAM_MCH_2535MHz_RB_50_0_NTNV



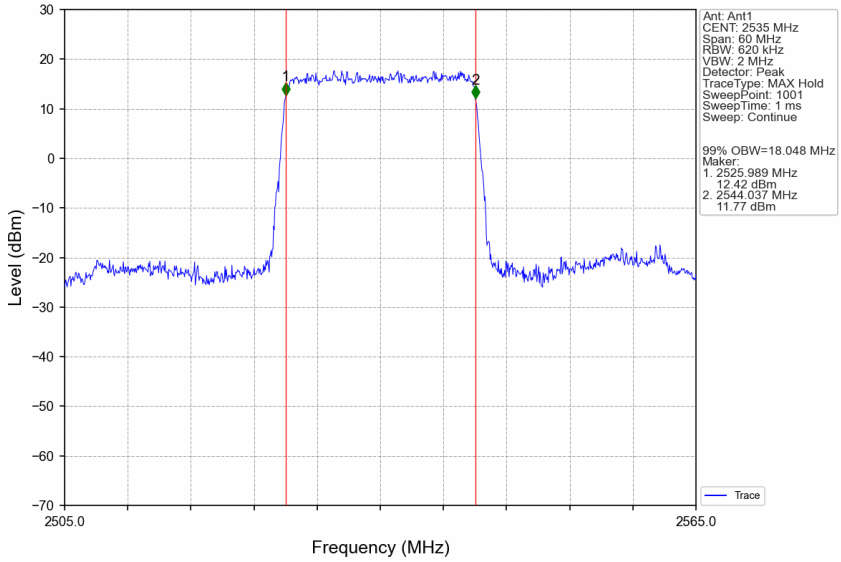
Band7_15MHz_QPSK_MCH_2535MHz_RB_75_0_NTNV



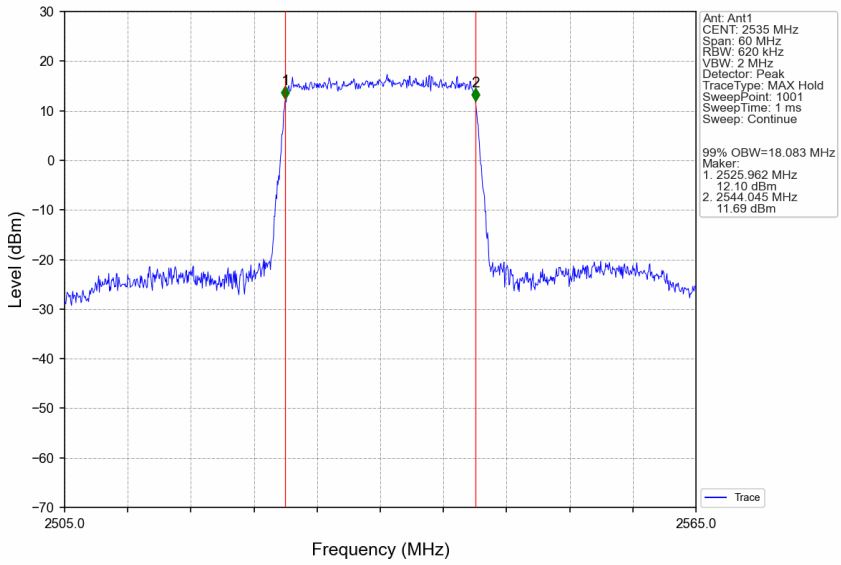
Band7_15MHz_16QAM_MCH_2535MHz_RB_75_0_NTNV



Band7_20MHz_QPSK_MCH_2535MHz_RB_100_0_NTNV

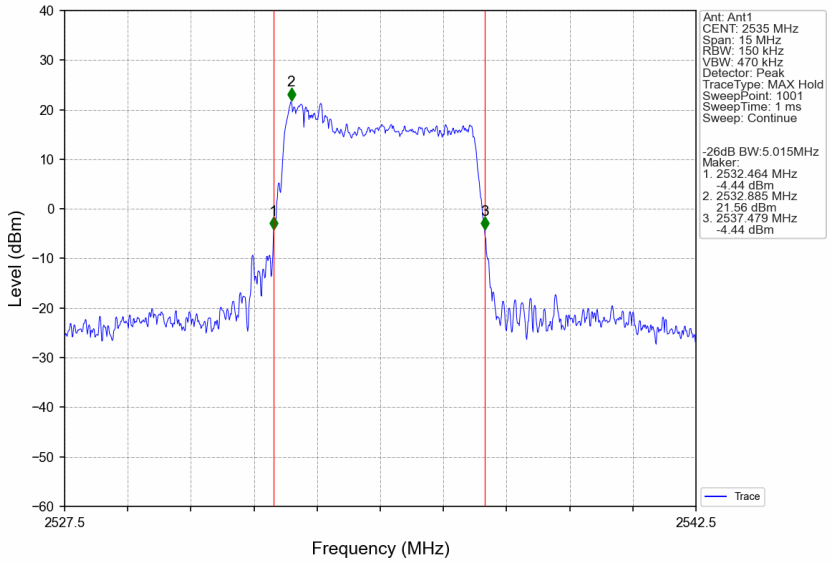


Band7_20MHz_16QAM_MCH_2535MHz_RB_100_0_NTNV

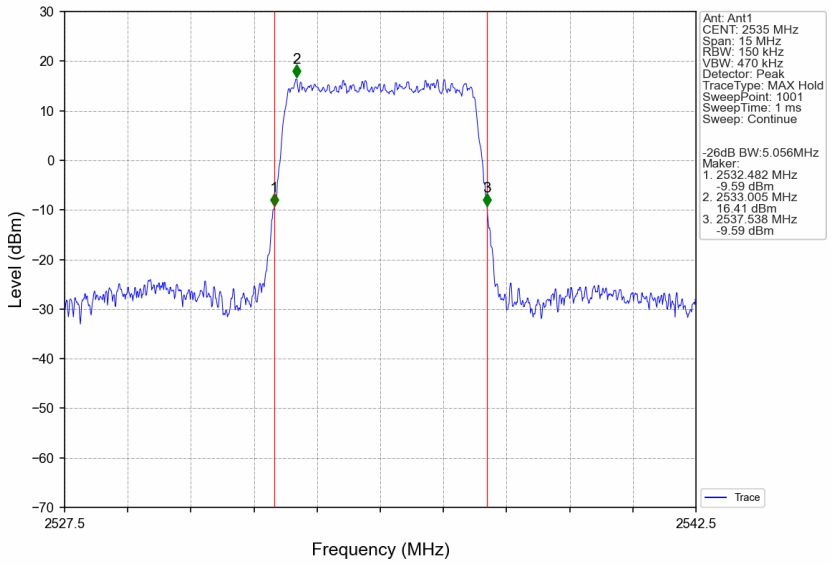


3.2.2 Band7_XDB

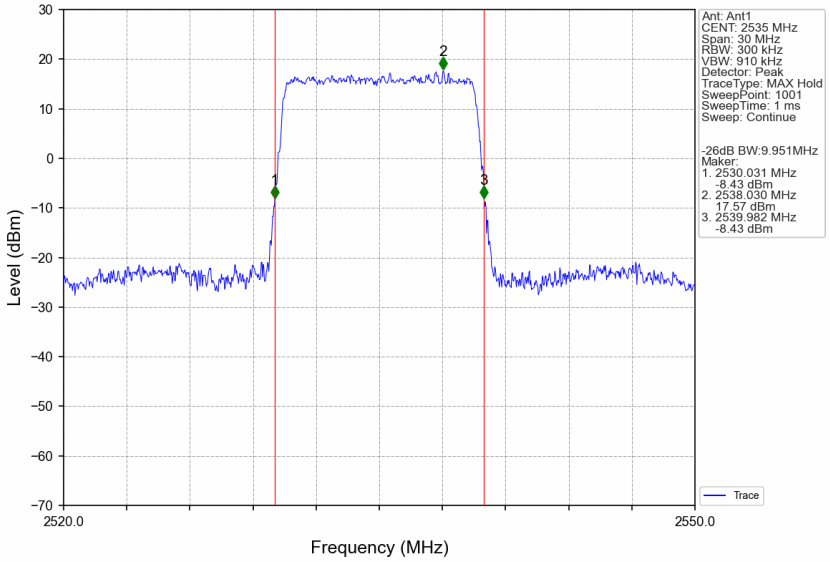
Band7_5MHz_QPSK_MCH_2535MHz_RB_25_0_NTNV



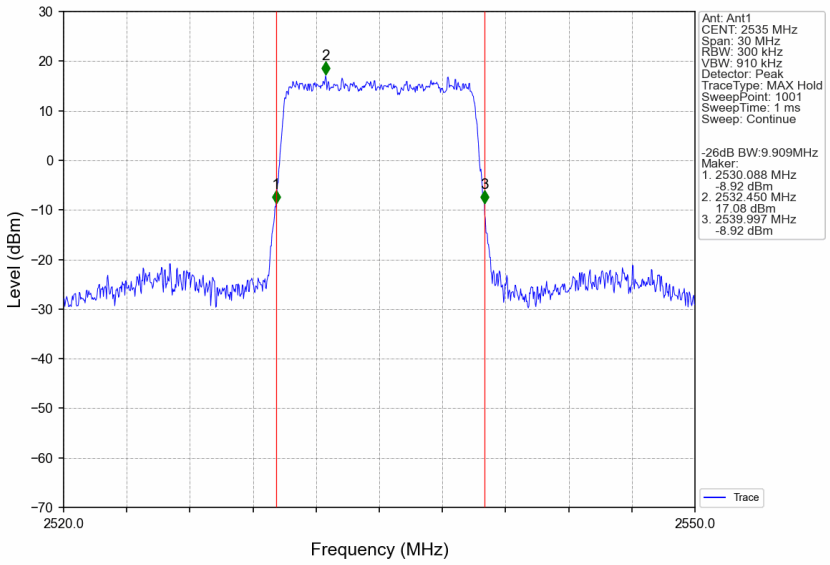
Band7_5MHz_16QAM_MCH_2535MHz_RB_25_0_NTNV



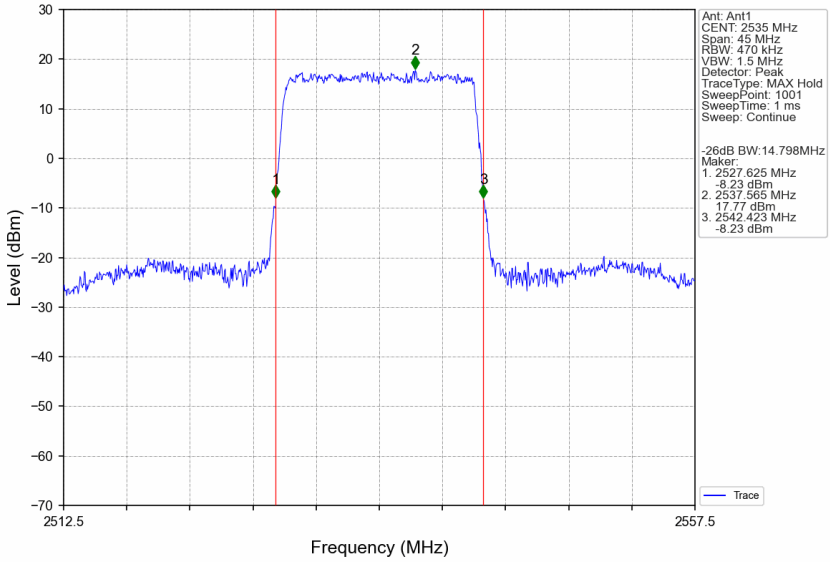
Band7_10MHz_QPSK_MCH_2535MHz_RB_50_0_NTNV



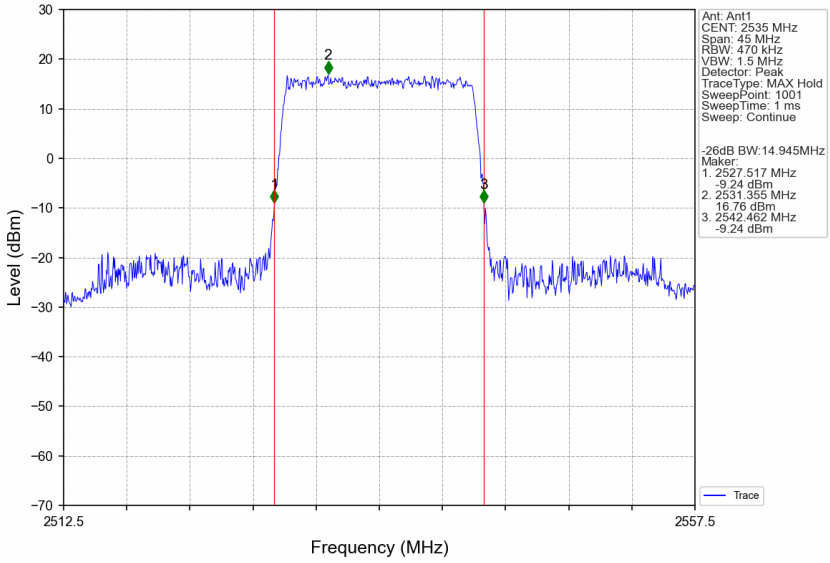
Band7_10MHz_16QAM_MCH_2535MHz_RB_50_0_NTNV



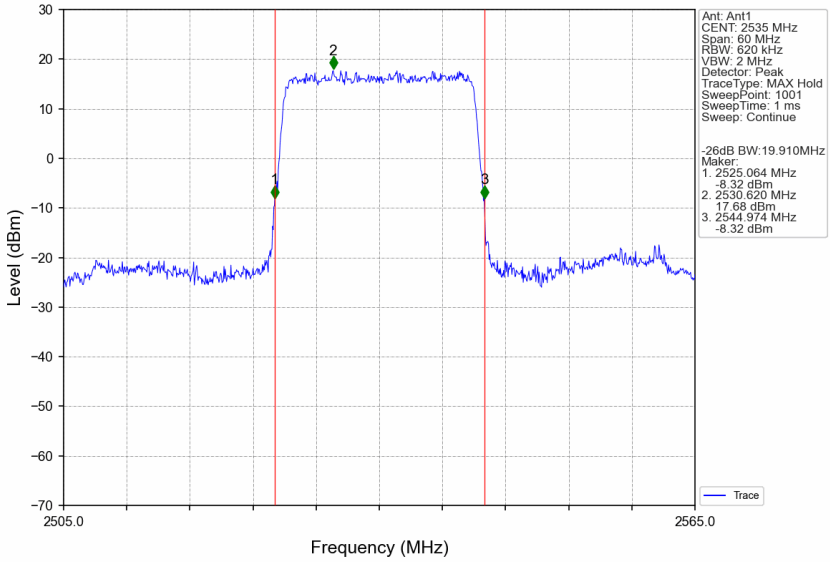
Band7_15MHz_QPSK_MCH_2535MHz_RB_75_0_NTNV



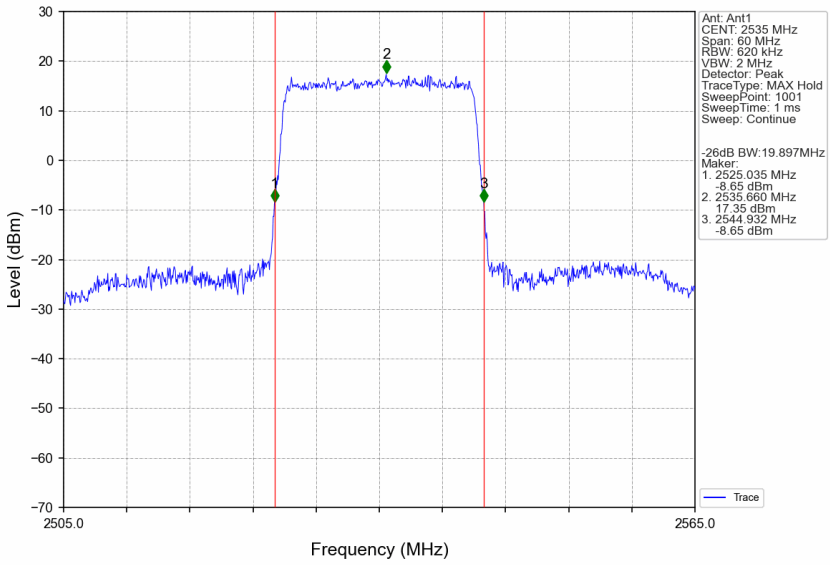
Band7_15MHz_16QAM_MCH_2535MHz_RB_75_0_NTNV



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

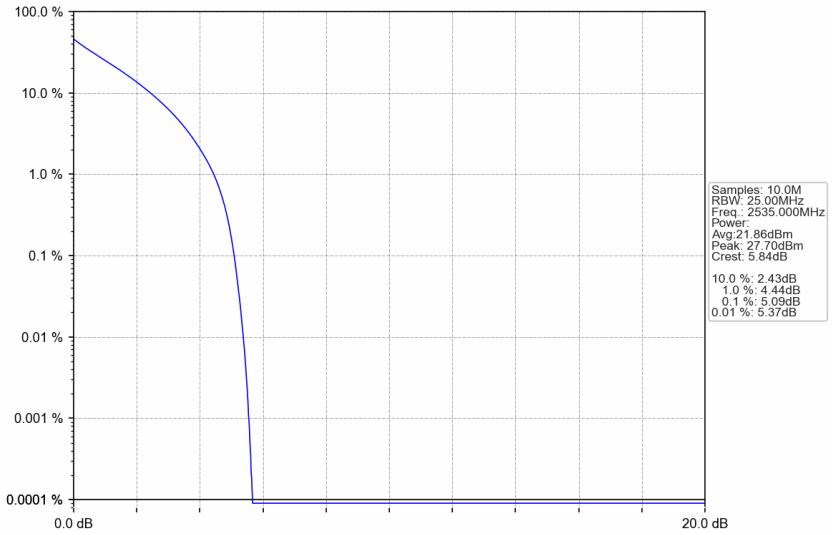
4.1.1 B7_20MHz

Band: 7 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2535	100	0	5.09	<=13	Pass
16QAM	2535	100	0	5.77	<=13	Pass
64QAM	2535	100	0	6.44	<=13	Pass
256QAM	2535	100	0	6.57	<=13	Pass

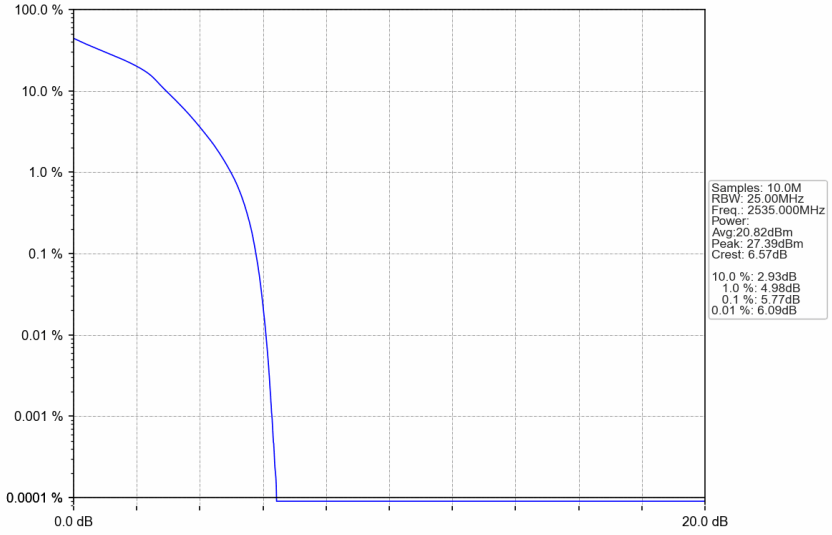
4.2 Test Graph

4.2.1 B7_20MHz

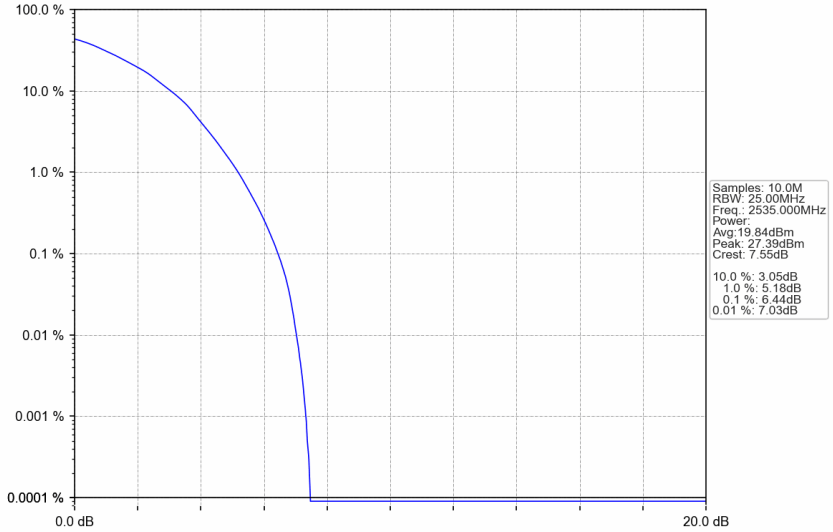
Band7_20MHz_QPSK_MCH_2535MHz_RB_100_0_NTNV



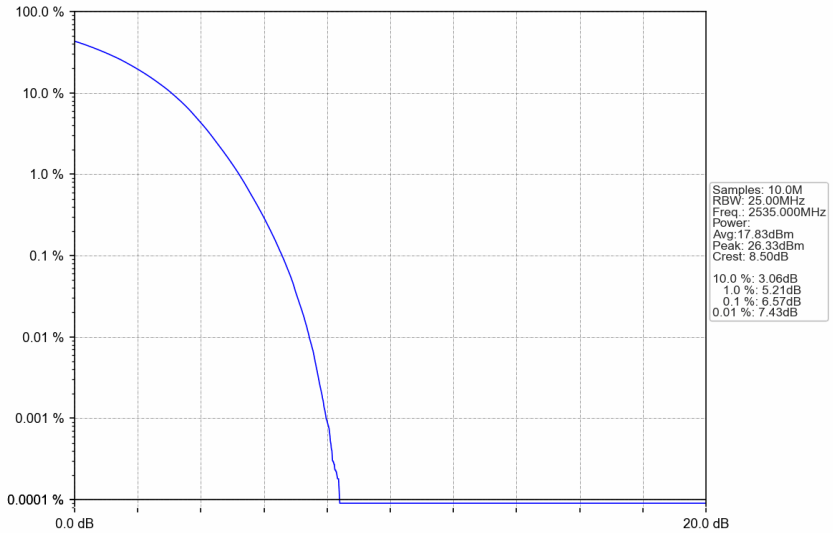
Band7_20MHz_16QAM_MCH_2535MHz_RB_100_0_NTNV



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

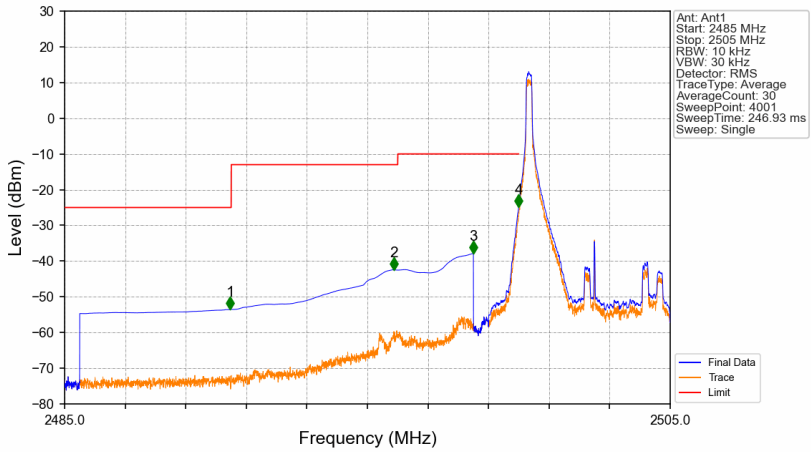
Band: 7 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	2510	1	0	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	2535	1	0	Refer To Test Graph		Pass
	2560	1	0	Refer To Test Graph		Pass
			99	Refer To Test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

		100	0	Refer To Test Graph	Pass

5.2 Test Graph

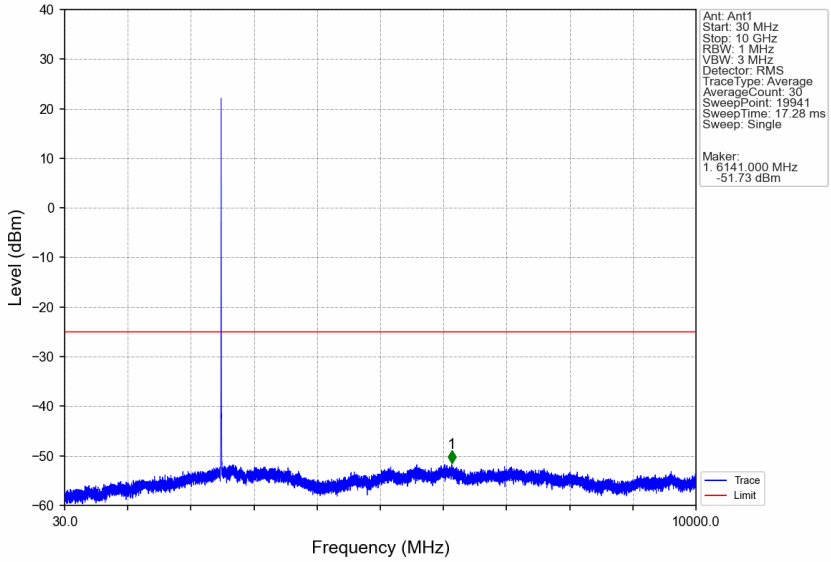
5.2.1 B7_5MHz

Band7_5MHz_QPSK_LCH_2502.5MHz_RB_1_0_NTNV

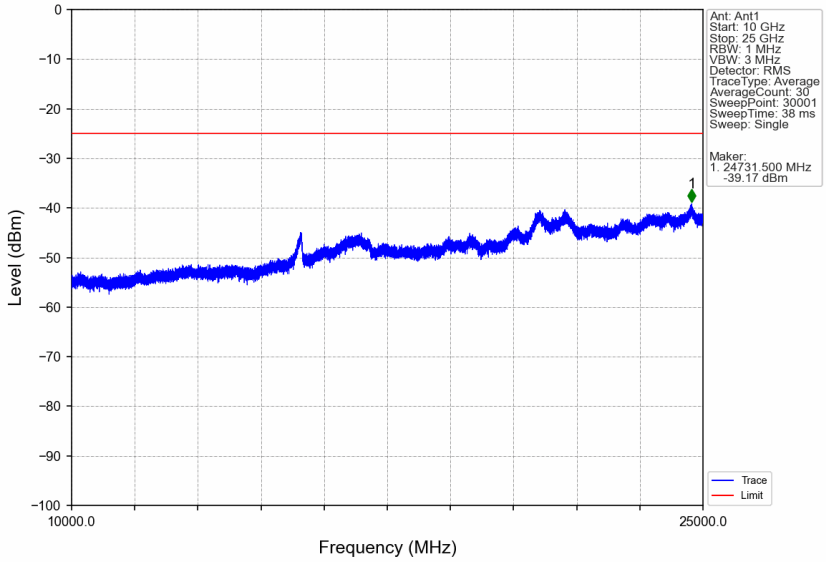


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2490.470	-53.55	-25	Pass
2490.5	2496	1	CHP	2	2495.880	-42.42	-13	Pass
2496	2499	1	CHP	3	2498.490	-37.88	-10	Pass
2499	2500	0.02	CHP	4	2499.995	-24.83	-10	Pass
2500	2505	0.02	CHP	/	/	/	/	/

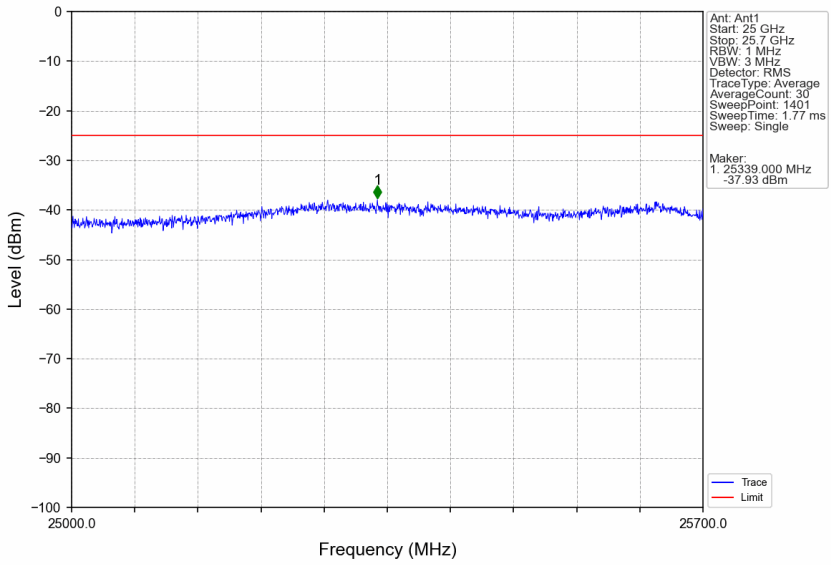
Band7_5MHz_QPSK_LCH_2502.5MHz_RB_1_0_NTNV



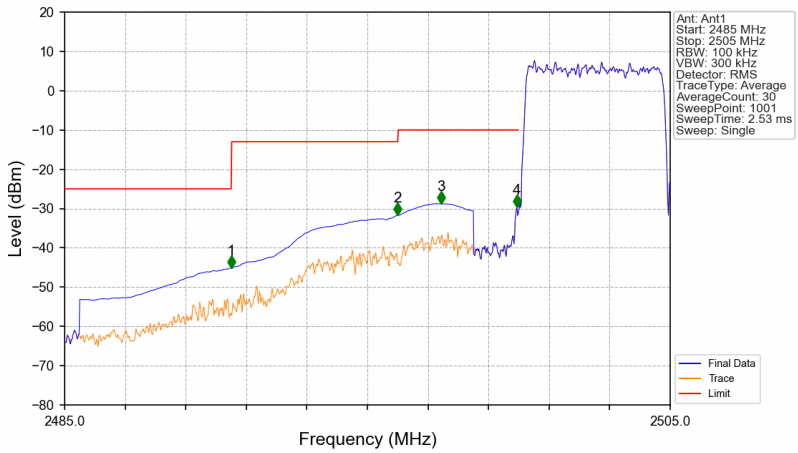
Band7_5MHz_QPSK_LCH_2502.5MHz_RB_1_0_NTNV



Band7_5MHz_QPSK_LCH_2502.5MHz_RB_1_0_NTNV

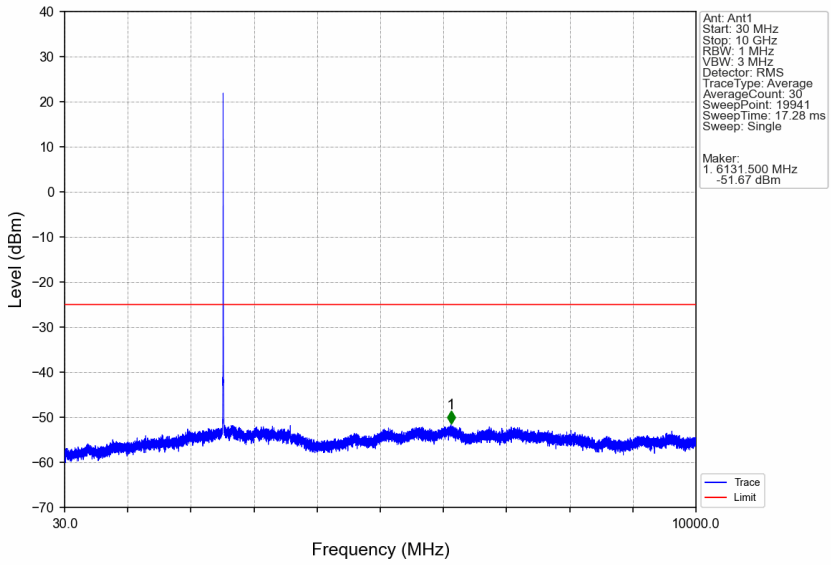


Band7_5MHz_QPSK_LCH_2502.5MHz_RB_25_0_NTNV

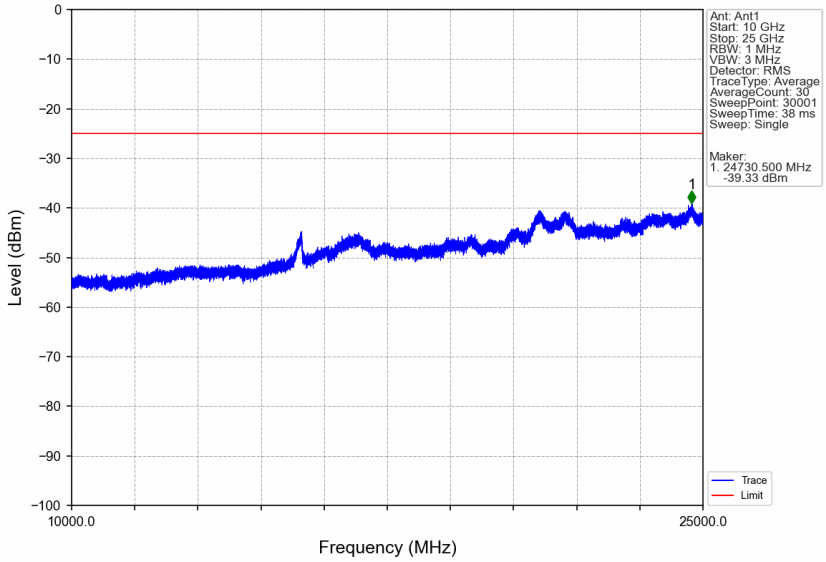


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2490.500	-45.11	-25	Pass
2490.5	2496	1	CHP	2	2496.000	-31.69	-13	Pass
2496	2499	1	CHP	3	2497.440	-28.73	-10	Pass
2499	2500	0.1	/	4	2499.940	-29.73	-10	Pass
2500	2505	0.1	/	/	/	/	/	/

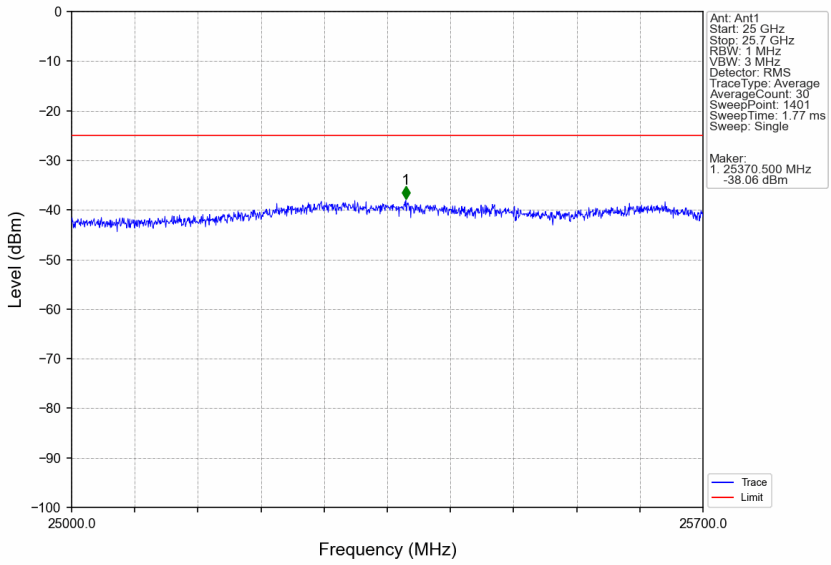
Band7_5MHz_QPSK_MCH_2535MHz_RB_1_0_NTNV



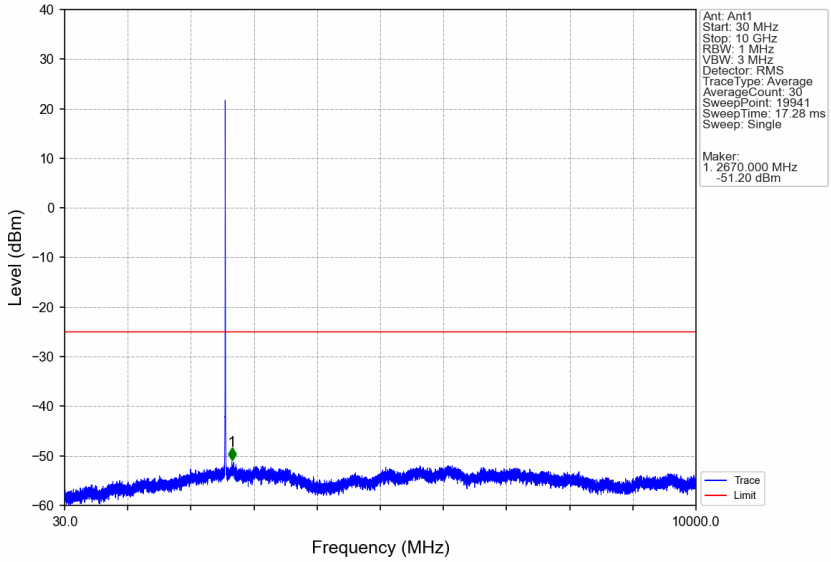
Band7_5MHz_QPSK_MCH_2535MHz_RB_1_0_NTNV



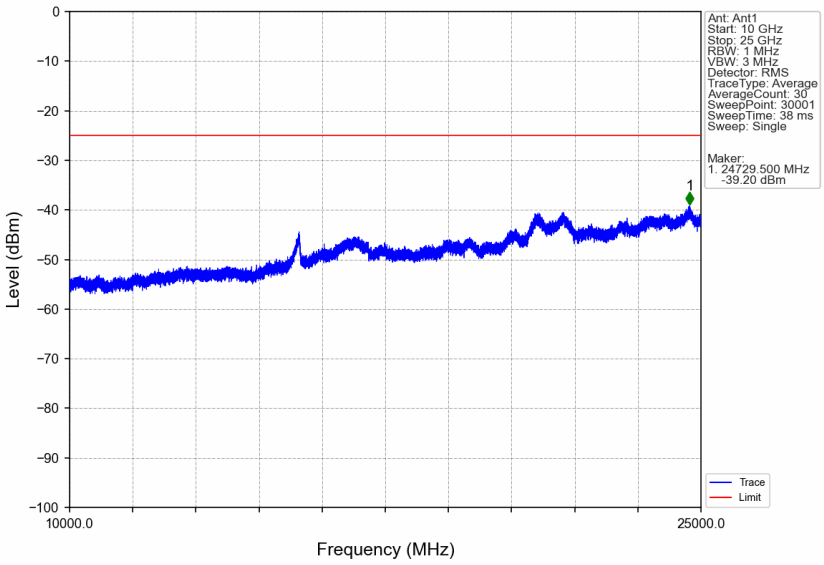
Band7_5MHz_QPSK_MCH_2535MHz_RB_1_0_NTNV



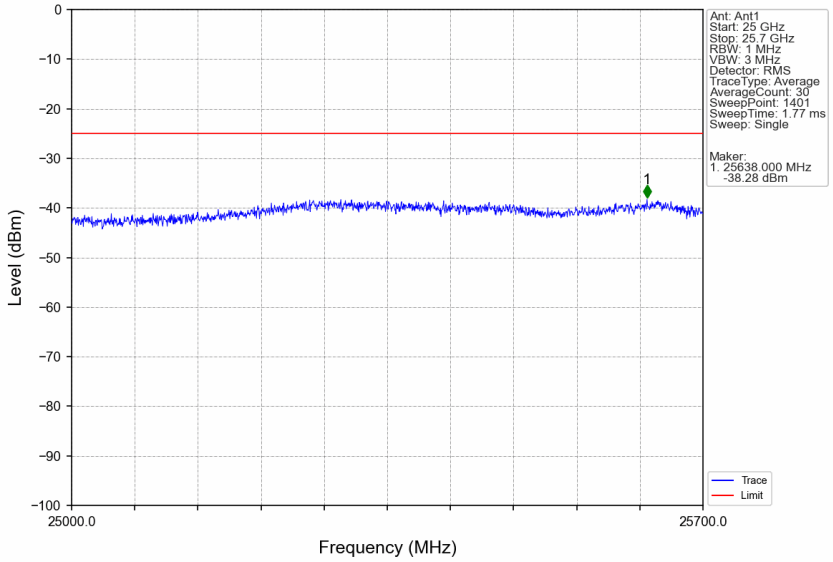
Band7_5MHz_QPSK_HCH_2567.5MHz_RB_1_0_NTNV



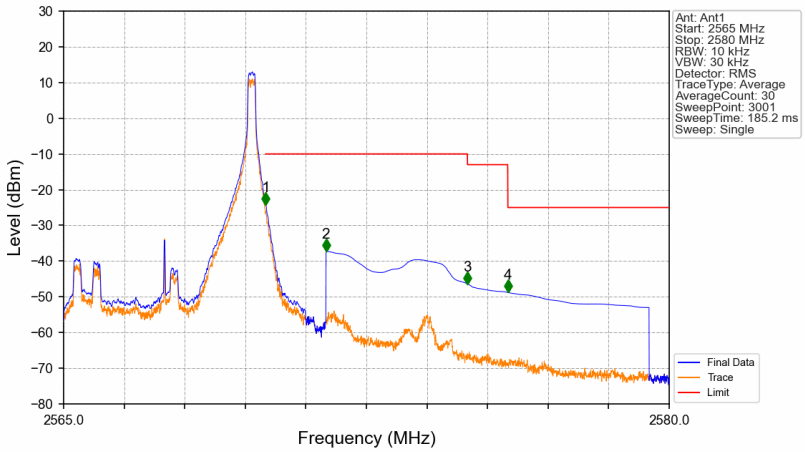
Band7_5MHz_QPSK_HCH_2567.5MHz_RB_1_0_NTNV



Band7_5MHz_QPSK_HCH_2567.5MHz_RB_1_0_NTNV

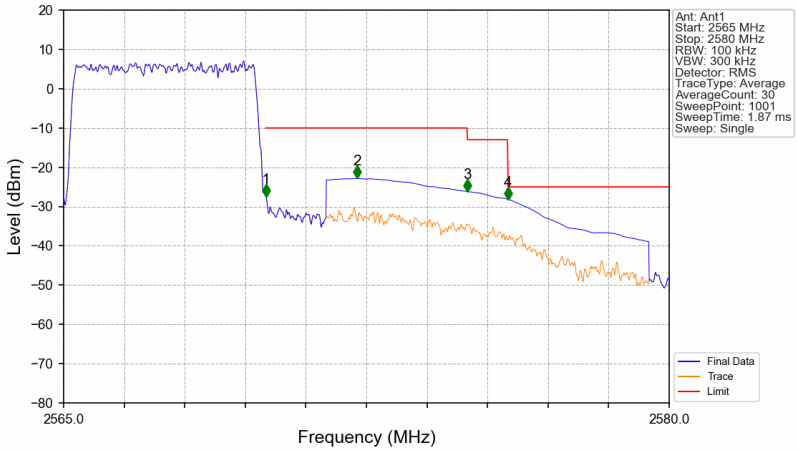


Band7_5MHz_QPSK_HCH_2567.5MHz_RB_1_24_NTNV



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	-24.22	-10	Pass
2571	2575	1	CHP	2	2571.500	-37.25	-10	Pass
2575	2576	1	CHP	3	2575.005	-46.42	-13	Pass
2576	2580	1	CHP	4	2576.005	-48.78	-25	Pass

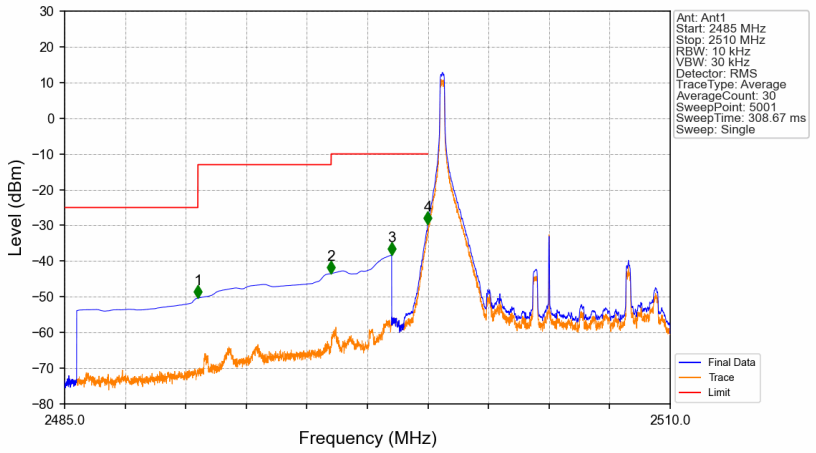
Band7_5MHz_QPSK_HCH_2567.5MHz_RB_25_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2565	2570	0.1	/	/	/	/	/	/
2570	2571	0.1	/	1	2570.010	-27.42	-10	Pass
2571	2575	1	CHP	2	2572.275	-22.82	-10	Pass
2575	2576	1	CHP	3	2575.005	-26.18	-13	Pass
2576	2580	1	CHP	4	2576.010	-28.18	-25	Pass

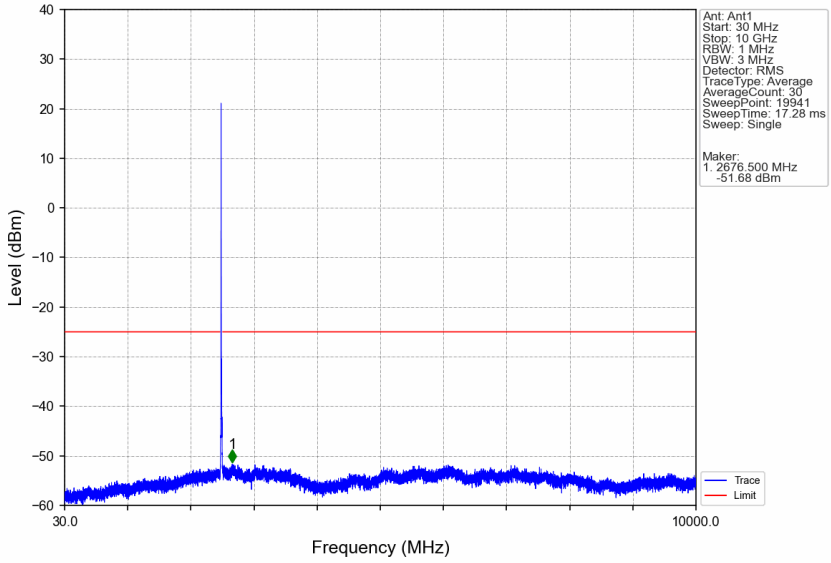
5.2.2 B7_10MHz

Band7_10MHz_QPSK_LCH_2505MHz_RB_1_0_NTNV

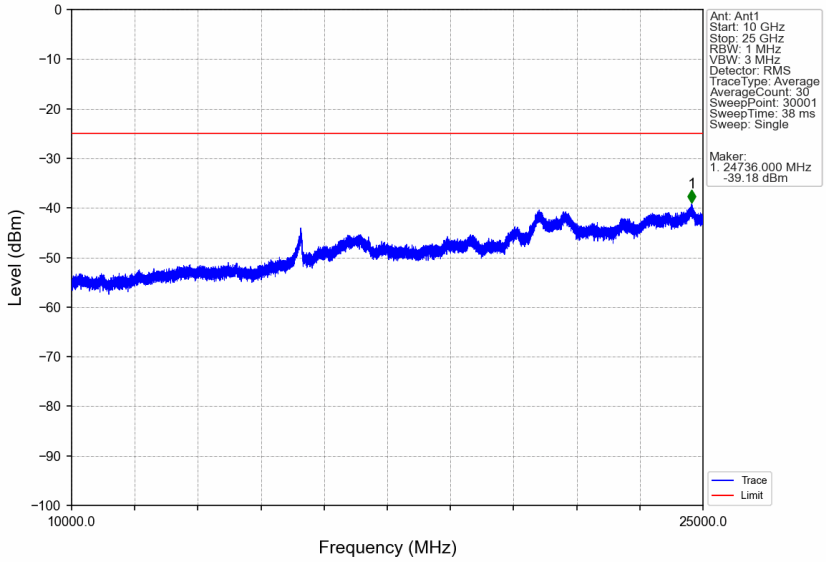


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2490.500	-50.38	-25	Pass
2490.5	2496	1	CHP	2	2496.000	-43.51	-13	Pass
2496	2499	1	CHP	3	2498.500	-38.33	-10	Pass
2499	2500	0.02	CHP	4	2499.995	-29.60	-10	Pass
2500	2510	0.02	CHP	/	/	/	/	/

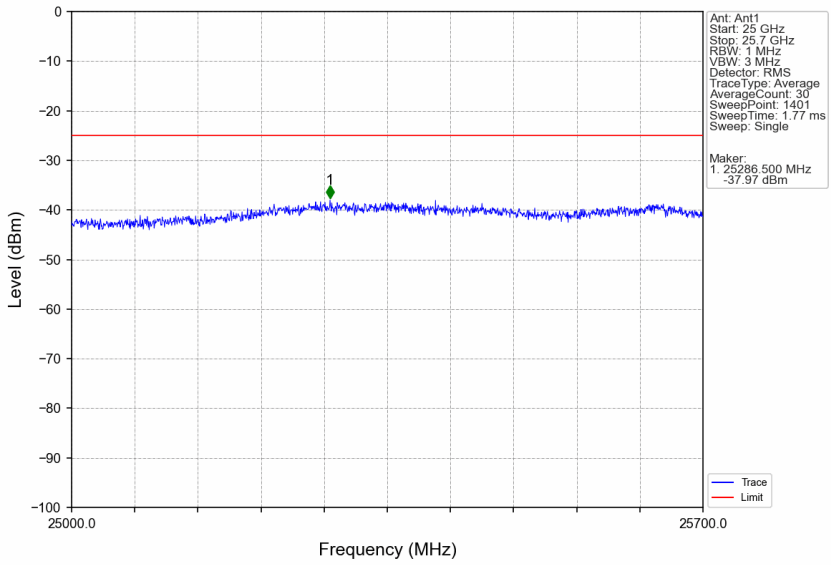
Band7_10MHz_QPSK_LCH_2505MHz_RB_1_0_NTNV



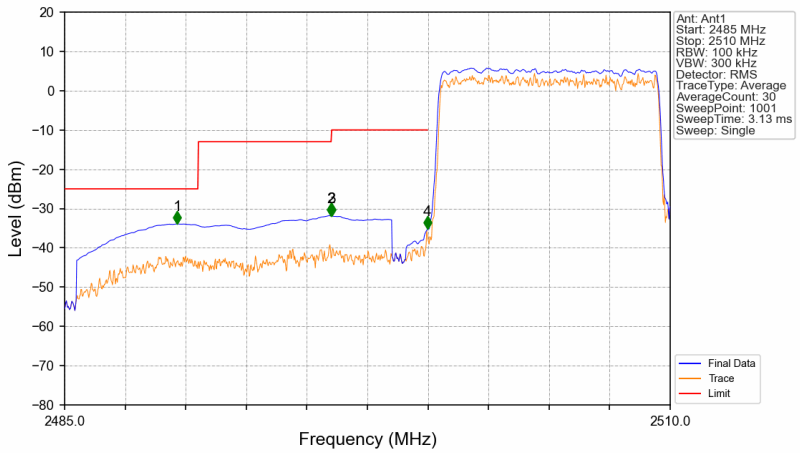
Band7_10MHz_QPSK_LCH_2505MHz_RB_1_0_NTNV



Band7_10MHz_QPSK_LCH_2505MHz_RB_1_0_NTNV

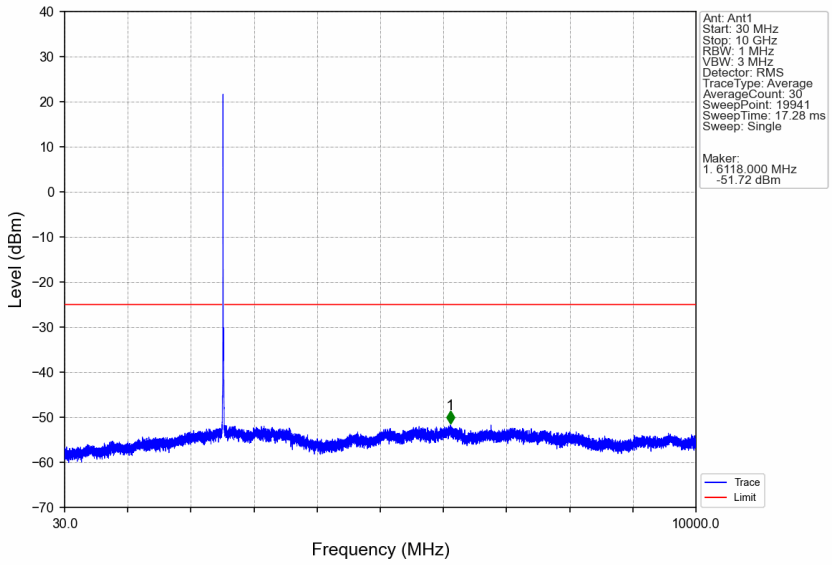


Band7_10MHz_QPSK_LCH_2505MHz_RB_50_0_NTNV

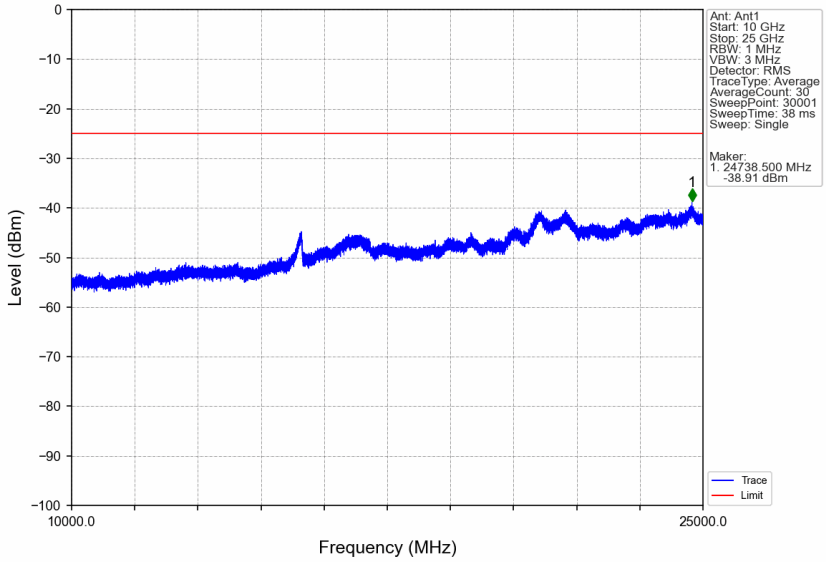


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2489.650	-33.92	-25	Pass
2490.5	2496	1	CHP	2	2496.000	-31.84	-13	Pass
2496	2499	1	CHP	3	2496.025	-31.88	-10	Pass
2499	2500	0.199	CHP	4	2499.975	-35.21	-10	Pass
2500	2510	0.199	CHP	/	/	/	/	/

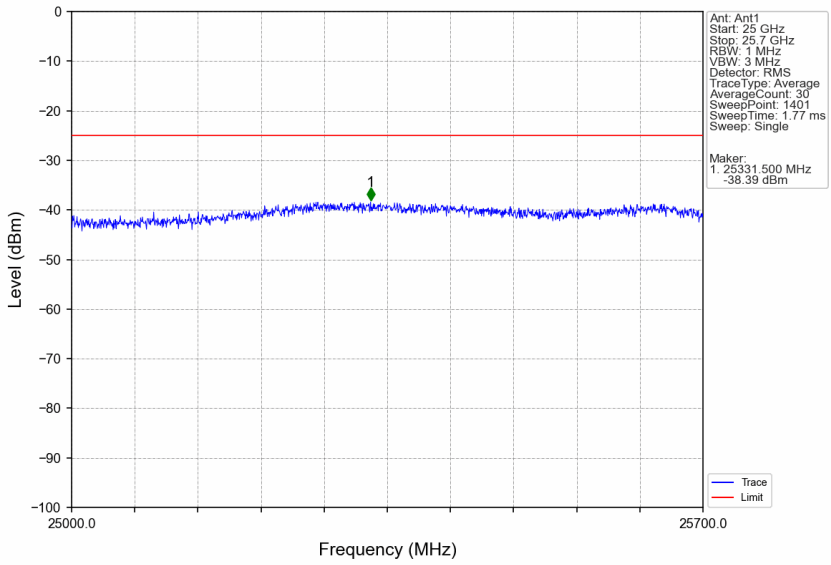
Band7_10MHz_QPSK_MCH_2535MHz_RB_1_0_NTNV



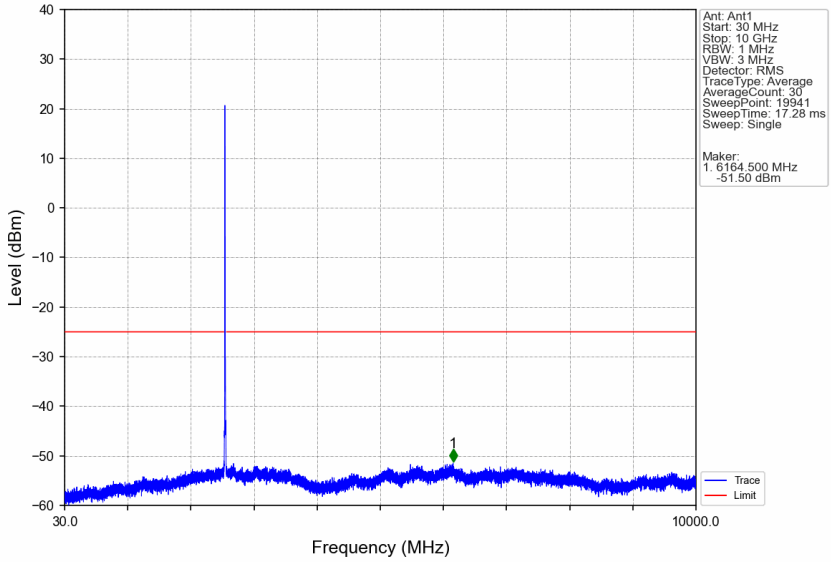
Band7_10MHz_QPSK_MCH_2535MHz_RB_1_0_NTNV



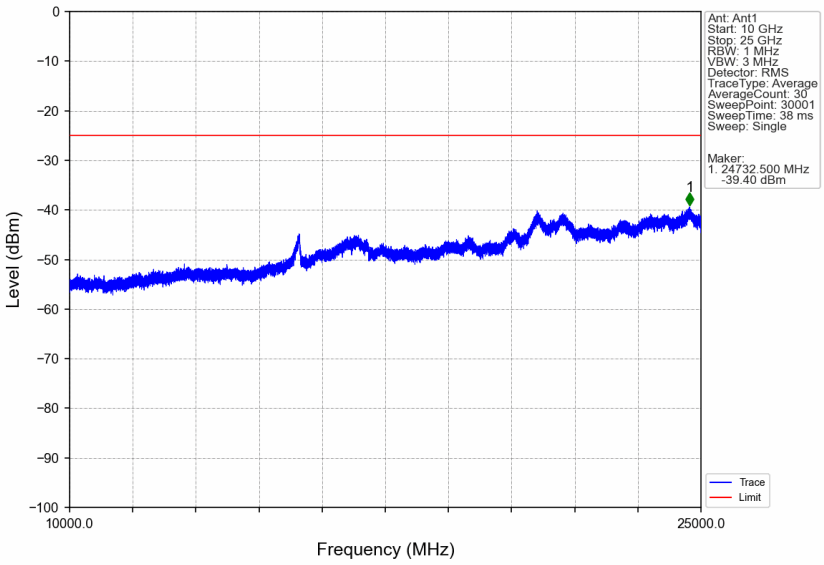
Band7_10MHz_QPSK_MCH_2535MHz_RB_1_0_NTNV



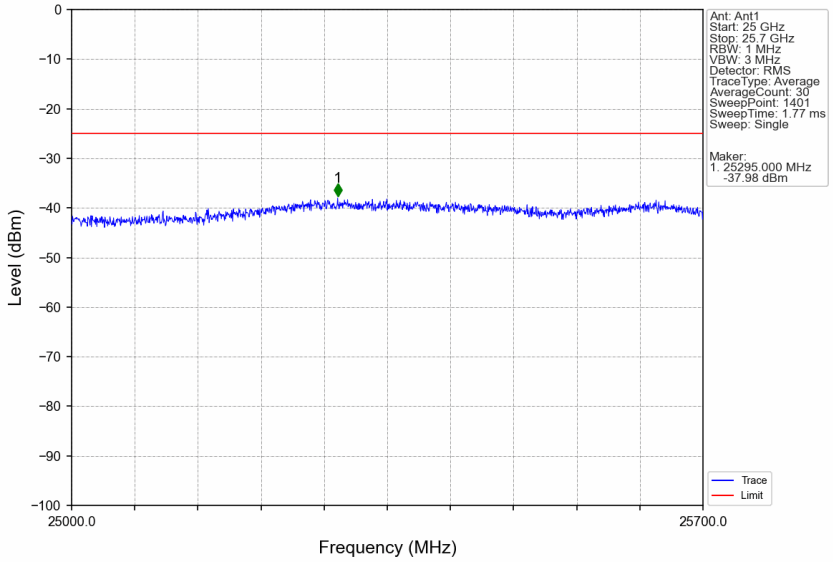
Band7_10MHz_QPSK_HCH_2565MHz_RB_1_0_NTNV



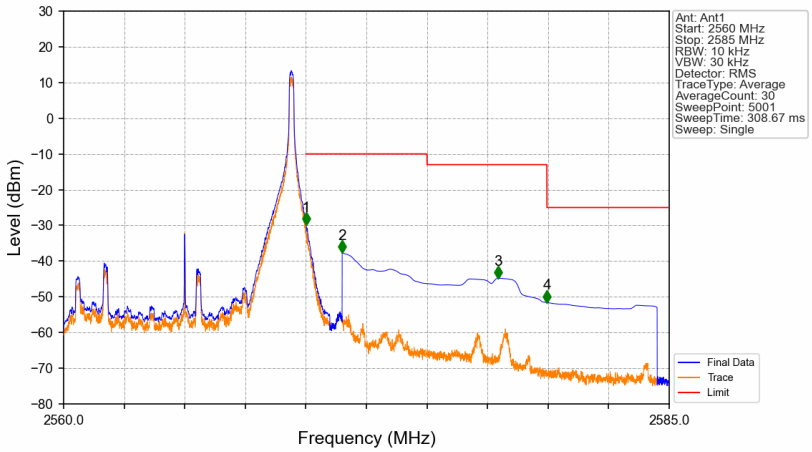
Band7_10MHz_QPSK_HCH_2565MHz_RB_1_0_NTNV



Band7_10MHz_QPSK_HCH_2565MHz_RB_1_0_NTNV

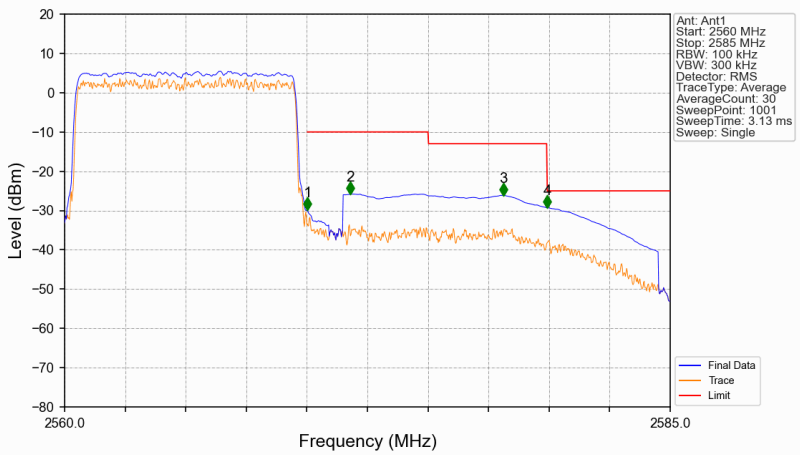


Band7_10MHz_QPSK_HCH_2565MHz_RB_1_49_NTNV



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	-29.78	-10	Pass
2571	2575	1	CHP	2	2571.500	-37.72	-10	Pass
2575	2579.951	1	CHP	3	2577.940	-44.81	-13	Pass
2579.951	2585	1	CHP	4	2579.955	-51.59	-25	Pass

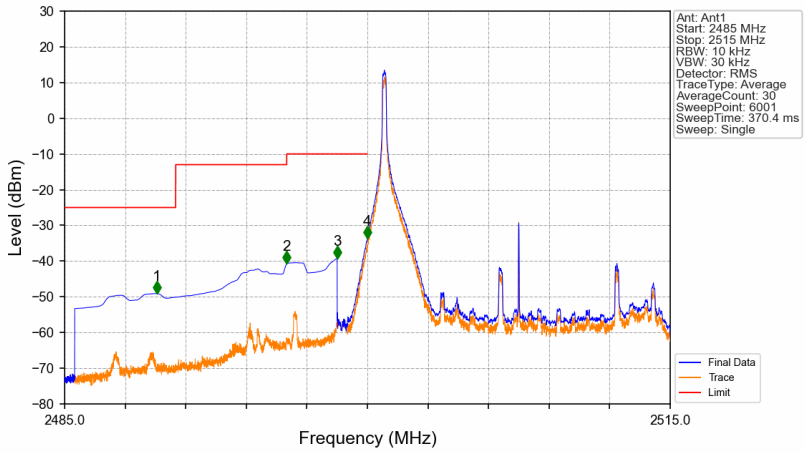
Band7_10MHz_QPSK_HCH_2565MHz_RB_50_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2560	2570	0.198	CHP	/	/	/	/	/
2570	2571	0.198	CHP	1	2570.025	-29.94	-10	Pass
2571	2575	1	CHP	2	2571.800	-25.81	-10	Pass
2575	2579.909	1	CHP	3	2578.100	-26.14	-13	Pass
2579.909	2585	1	CHP	4	2579.925	-29.24	-25	Pass

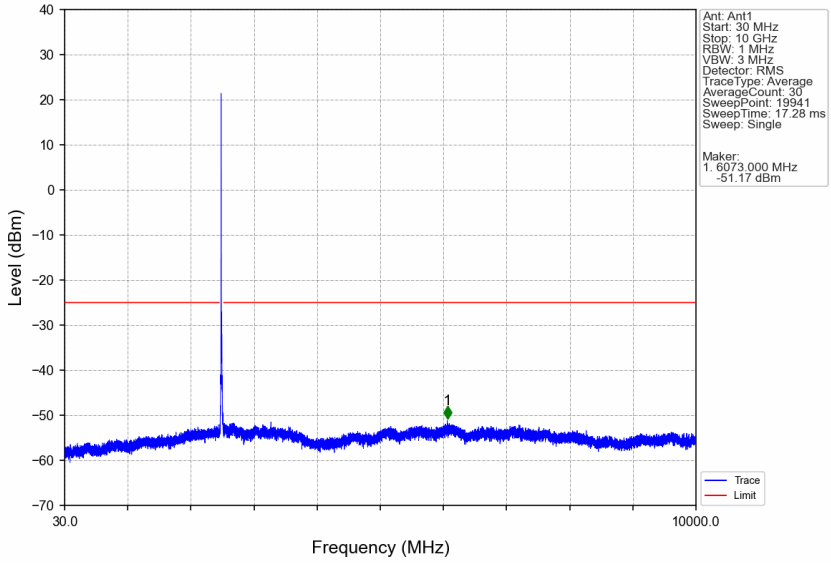
5.2.3 B7_15MHz

Band7_15MHz_QPSK_LCH_2507.5MHz_RB_1_0_NTNV

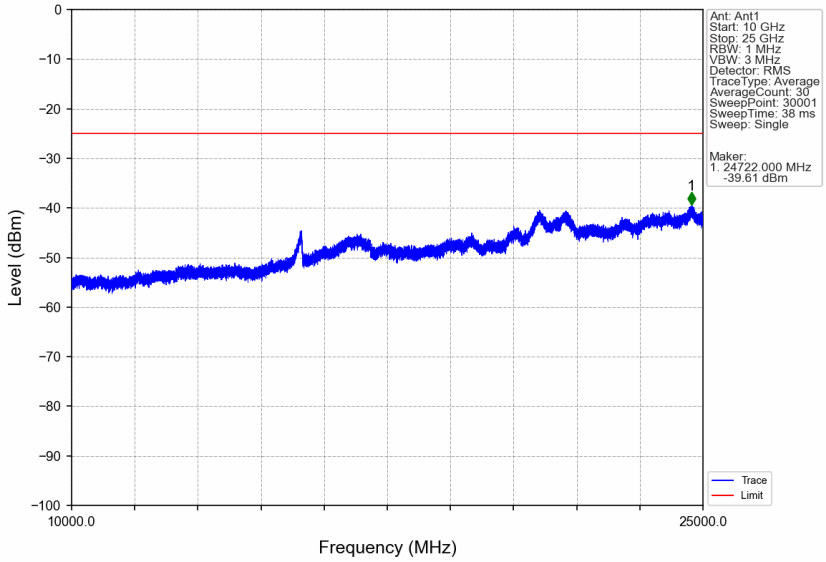


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2489.560	-49.08	-25	Pass
2490.5	2496	1	CHP	2	2496.000	-40.76	-13	Pass
2496	2499	1	CHP	3	2498.500	-39.25	-10	Pass
2499	2500	0.02	CHP	4	2499.995	-33.72	-10	Pass
2500	2515	0.02	CHP	/	/	/	/	/

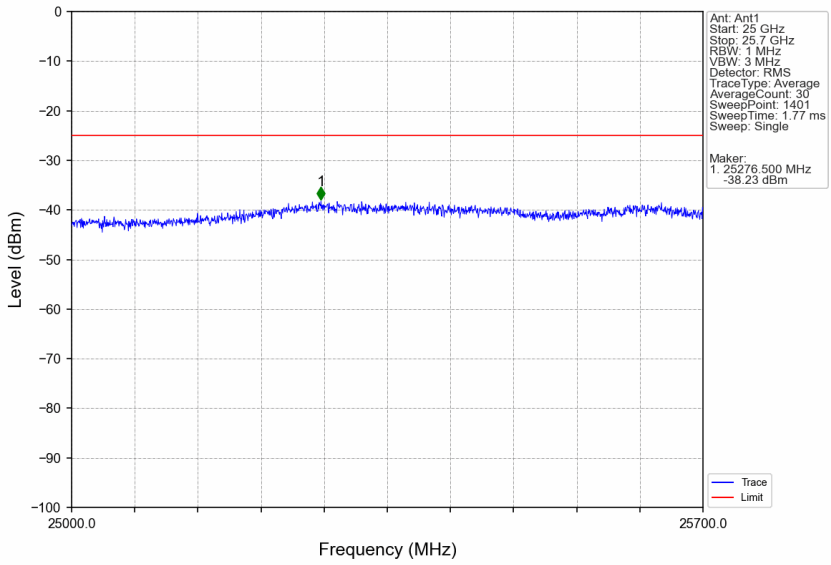
Band7_15MHz_QPSK_LCH_2507.5MHz_RB_1_0_NTNV



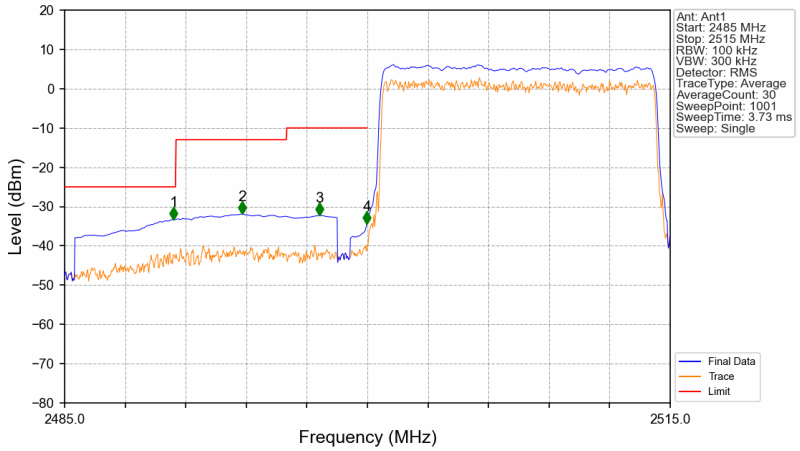
Band7_15MHz_QPSK_LCH_2507.5MHz_RB_1_0_NTNV



Band7_15MHz_QPSK_LCH_2507.5MHz_RB_1_0_NTNV

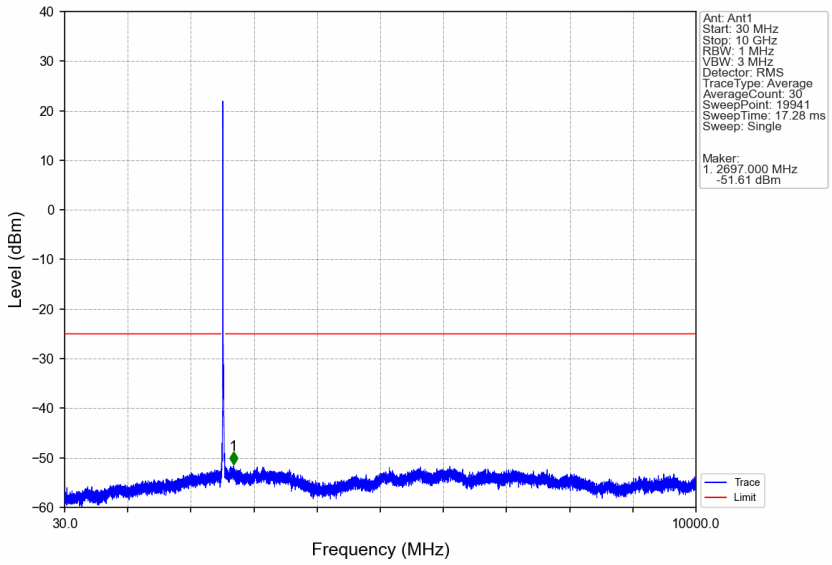


Band7_15MHz_QPSK_LCH_2507.5MHz_RB_75_0_NTNV

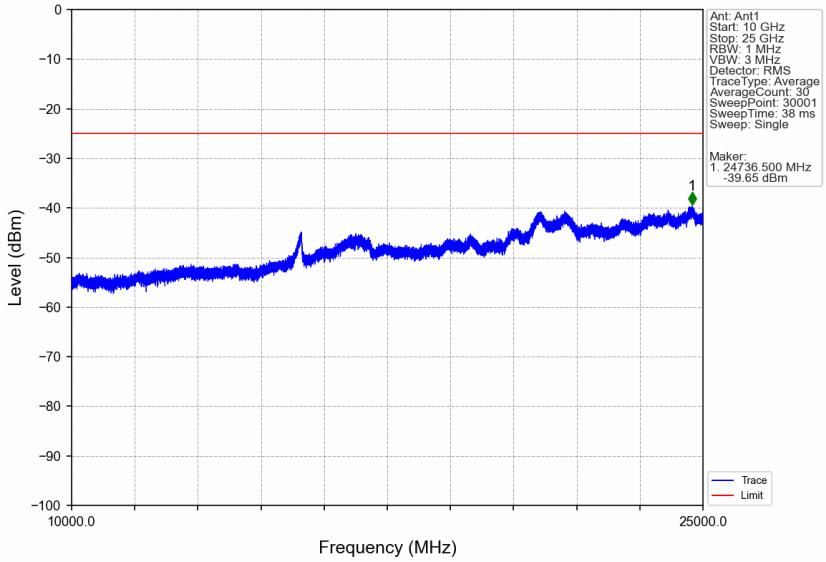


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2490.400	-33.25	-25	Pass
2490.5	2496	1	CHP	2	2493.790	-31.88	-13	Pass
2496	2499	1	CHP	3	2497.630	-32.23	-10	Pass
2499	2500	0.296	CHP	4	2499.970	-34.46	-10	Pass
2500	2515	0.296	CHP	/	/	/	/	/

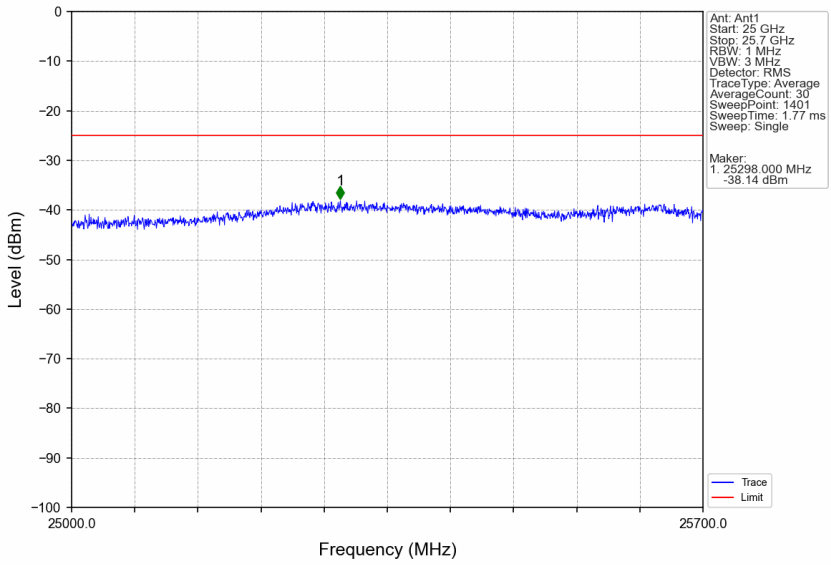
Band7_15MHz_QPSK_MCH_2535MHz_RB_1_0_NTNV



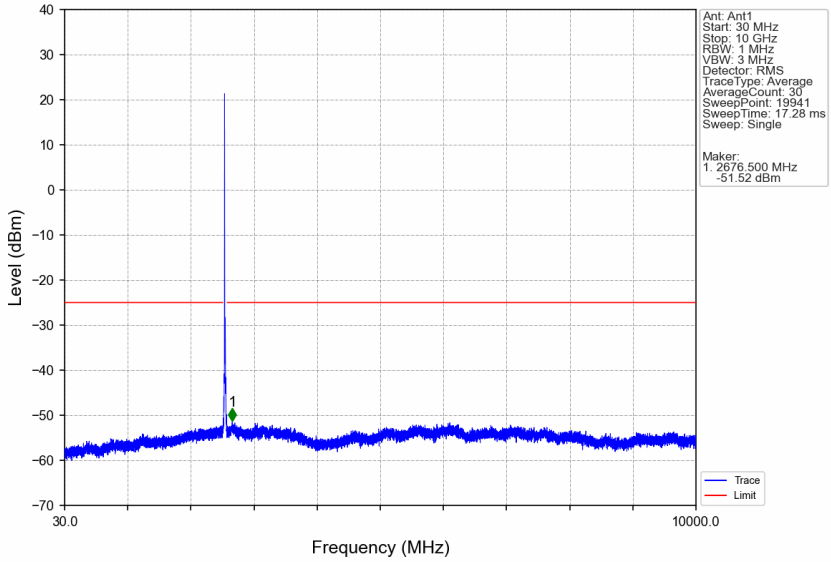
Band7_15MHz_QPSK_MCH_2535MHz_RB_1_0_NTNV



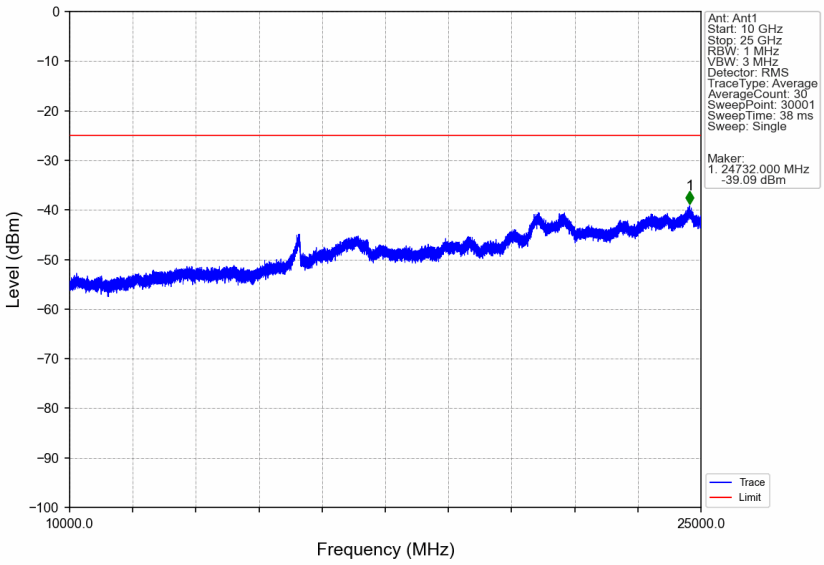
Band7_15MHz_QPSK_MCH_2535MHz_RB_1_0_NTNV



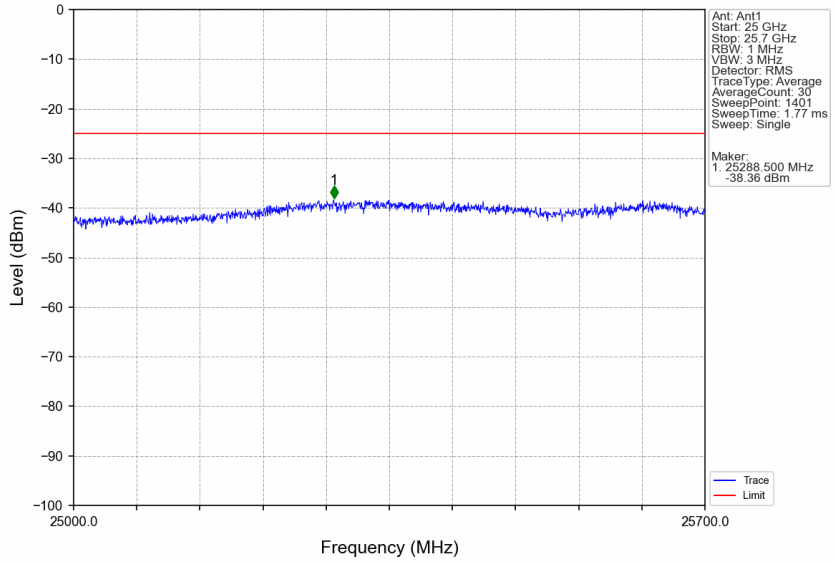
Band7_15MHz_QPSK_HCH_2562.5MHz_RB_1_0_NTNV



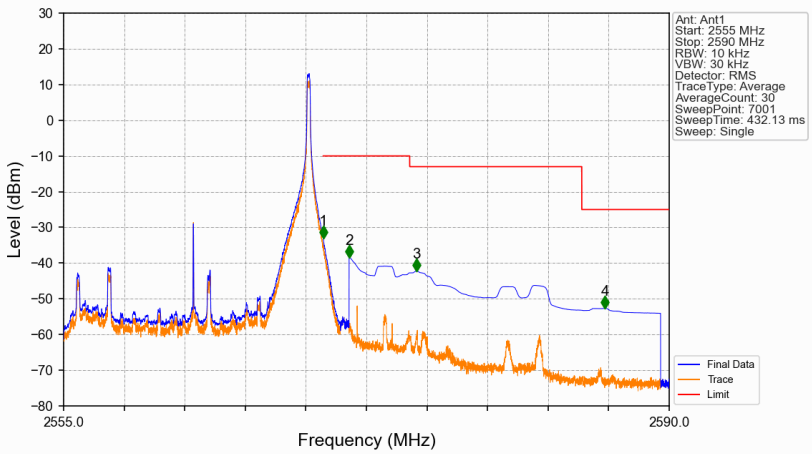
Band7_15MHz_QPSK_HCH_2562.5MHz_RB_1_0_NTNV



Band7_15MHz_QPSK_HCH_2562.5MHz_RB_1_0_NTNV

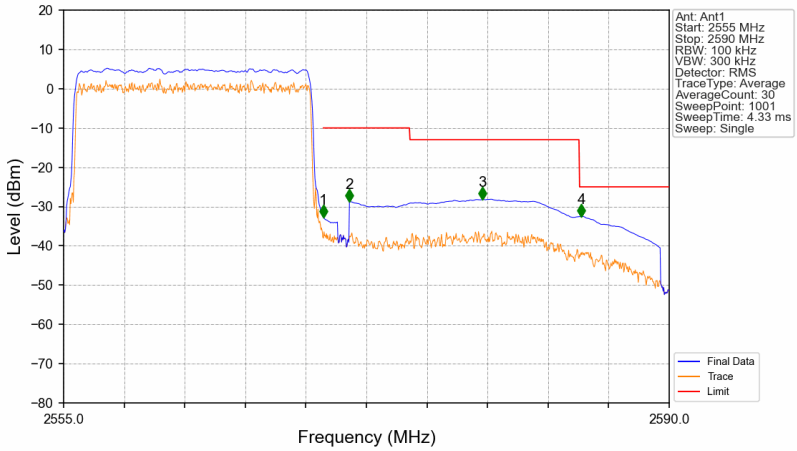


Band7_15MHz_QPSK_HCH_2562.5MHz_RB_1_74_NTNV



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	-33.14	-10	Pass
2571	2575	1	CHP	2	2571.500	-38.37	-10	Pass
2575	2584.945	1	CHP	3	2575.400	-42.20	-13	Pass
2584.945	2590	1	CHP	4	2586.280	-52.67	-25	Pass

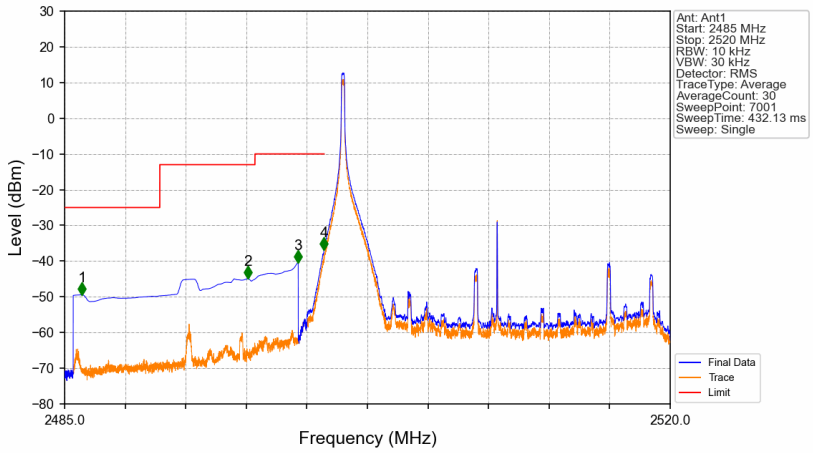
Band7_15MHz_QPSK_HCH_2562.5MHz_RB_75_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2555	2570	0.296	CHP	/	/	/	/	/
2570	2571	0.296	CHP	1	2570.015	-32.72	-10	Pass
2571	2575	1	CHP	2	2571.520	-28.70	-10	Pass
2575	2584.798	1	CHP	3	2579.220	-28.13	-13	Pass
2584.798	2590	1	CHP	4	2584.925	-32.55	-25	Pass

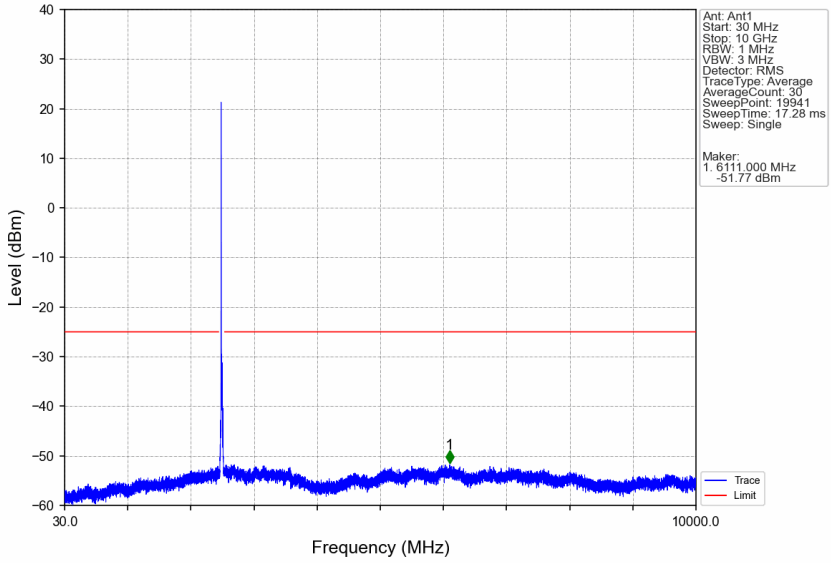
5.2.4 B7_20MHz

Band7_20MHz_QPSK_LCH_2510MHz_RB_1_0_NTNV

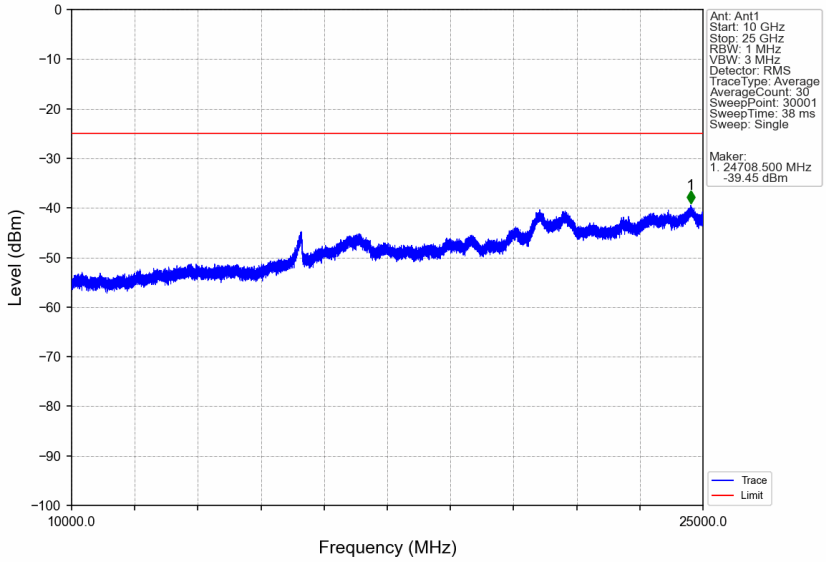


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2486.000	-49.45	-25	Pass
2490.5	2496	1	CHP	2	2495.605	-44.90	-13	Pass
2496	2499	1	CHP	3	2498.500	-40.42	-10	Pass
2499	2500	0.02	CHP	4	2499.995	-36.81	-10	Pass
2500	2520	0.02	CHP	/	/	/	/	/

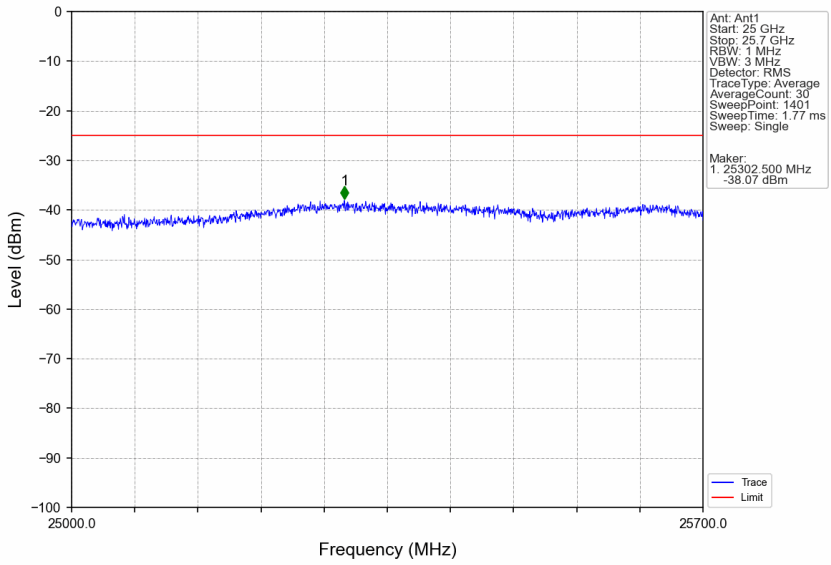
Band7_20MHz_QPSK_LCH_2510MHz_RB_1_0_NTNV



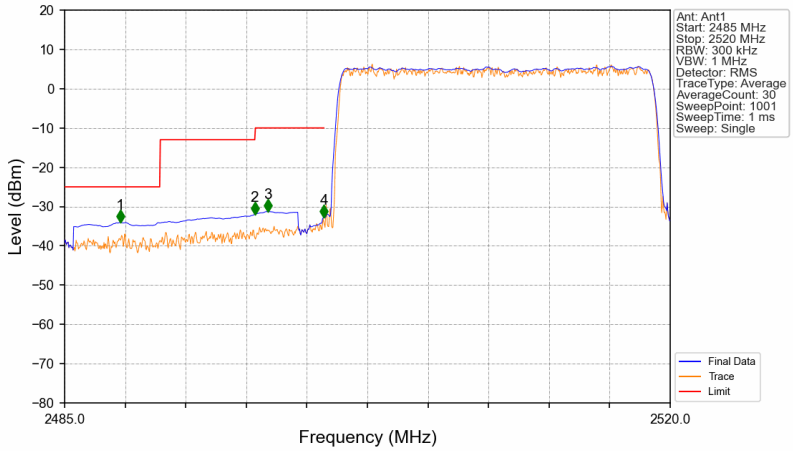
Band7_20MHz_QPSK_LCH_2510MHz_RB_1_0_NTNV



Band7_20MHz_QPSK_LCH_2510MHz_RB_1_0_NTNV

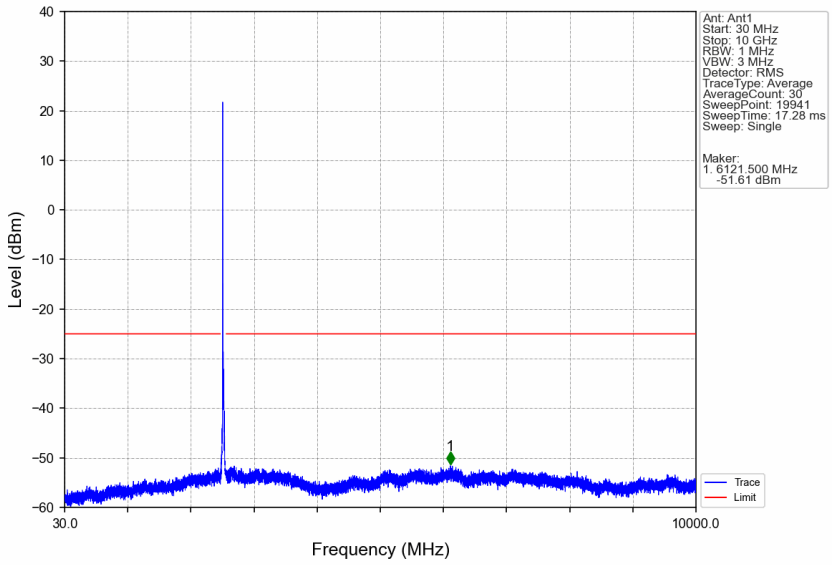


Band7_20MHz_QPSK_LCH_2510MHz_RB_100_0_NTNV

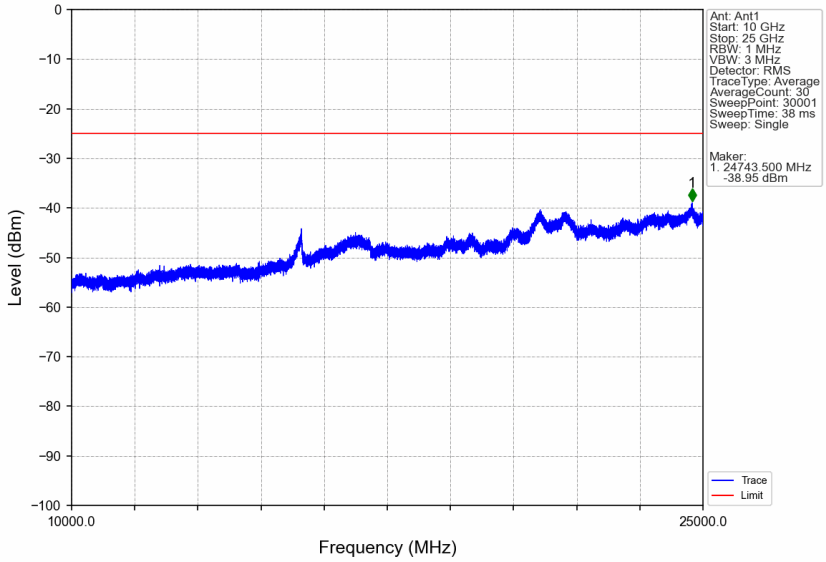


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2488.220	-34.05	-25	Pass
2490.5	2496	1	CHP	2	2495.990	-32.00	-13	Pass
2496	2499	1	CHP	3	2496.760	-31.27	-10	Pass
2499	2500	0.398	CHP	4	2499.980	-32.80	-10	Pass
2500	2520	0.398	CHP	/	/	/	/	/

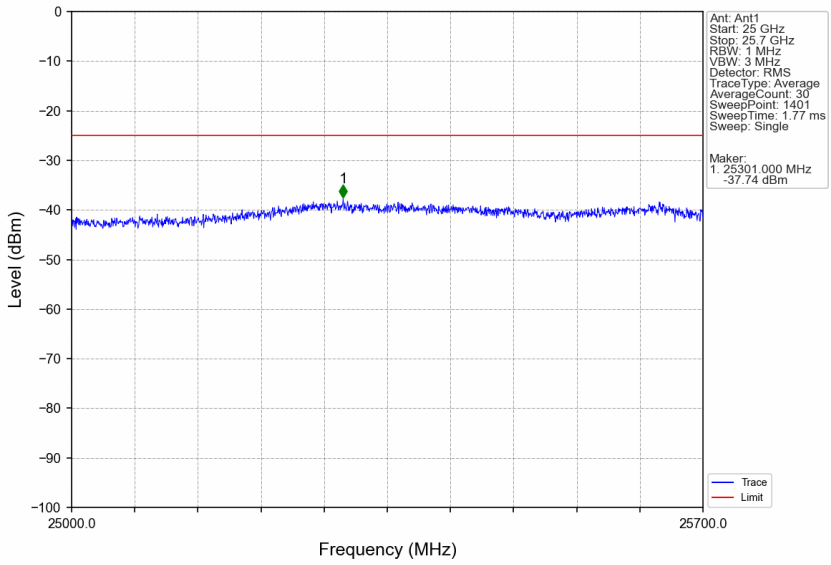
Band7_20MHz_QPSK_MCH_2535MHz_RB_1_0_NTNV



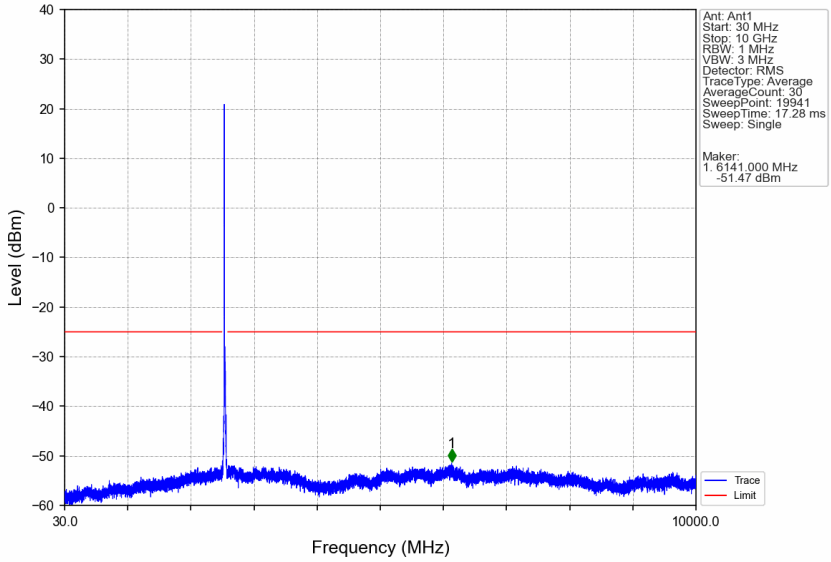
Band7_20MHz_QPSK_MCH_2535MHz_RB_1_0_NTNV



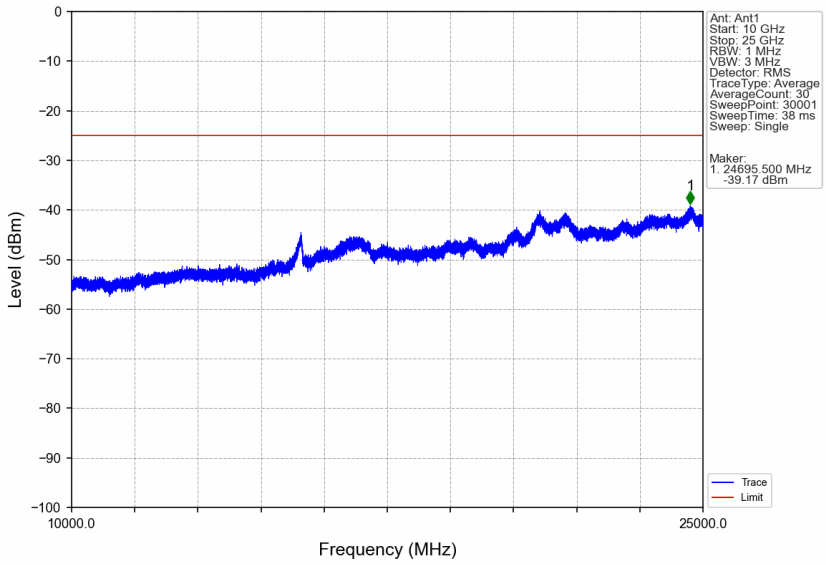
Band7_20MHz_QPSK_MCH_2535MHz_RB_1_0_NTNV



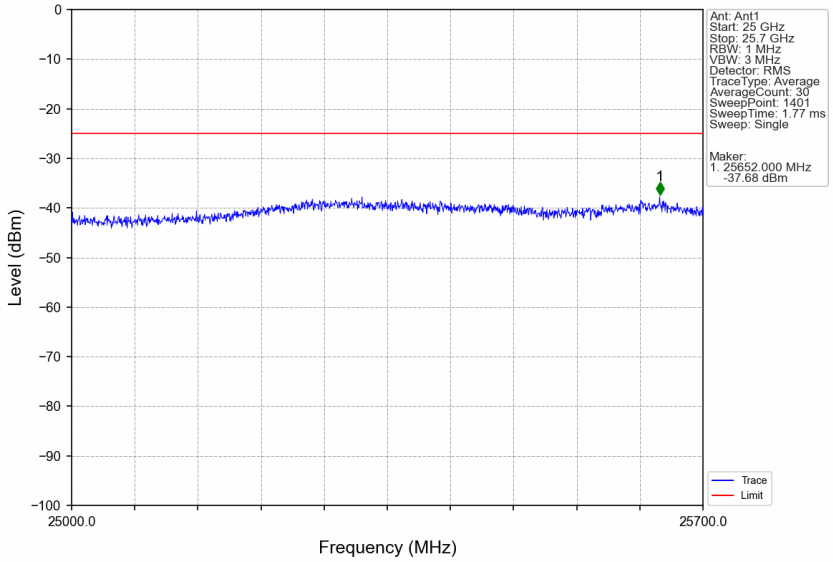
Band7_20MHz_QPSK_HCH_2560MHz_RB_1_0_NTNV



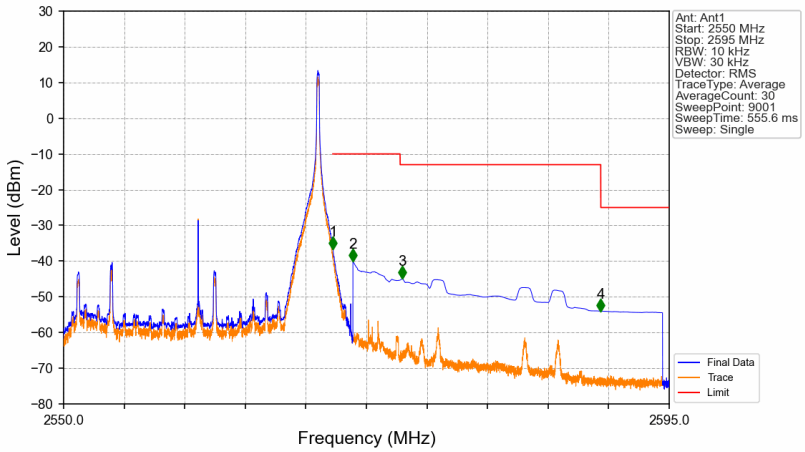
Band7_20MHz_QPSK_HCH_2560MHz_RB_1_0_NTNV



Band7_20MHz_QPSK_HCH_2560MHz_RB_1_0_NTNV

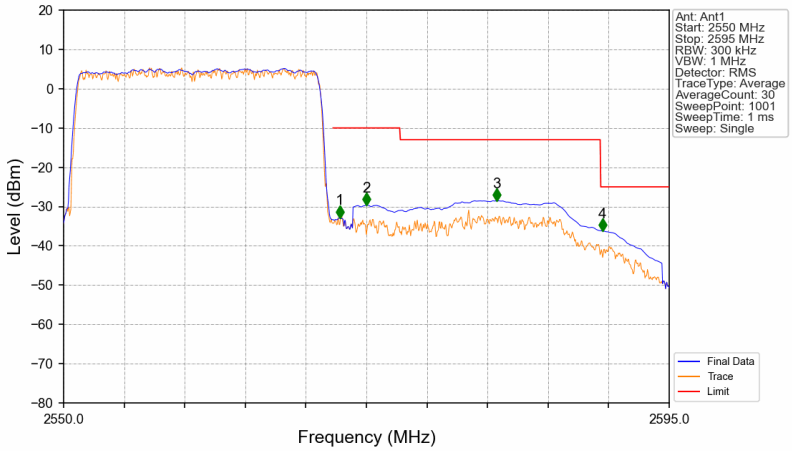


Band7_20MHz_QPSK_HCH_2560MHz_RB_1_99_NTNV



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	2570.010	-36.59	-10	Pass
2571	2575	1	CHP	2	2571.500	-40.05	-10	Pass
2575	2589.91	1	CHP	3	2575.170	-44.96	-13	Pass
2589.91	2595	1	CHP	4	2589.915	-54.02	-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	0.398	CHP	/	/	/	/	/
2570	2571	0.398	CHP	1	2570.520	-32.86	-10	Pass
2571	2575	1	CHP	2	2572.500	-29.62	-10	Pass
2575	2589.91	1	CHP	3	2582.175	-28.51	-13	Pass
2589.91	2595	1	CHP	4	2590.050	-36.18	-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	5001.75	46.01	-45.64	31.40	-63.48	-25.00	38.48	Horizontal
2	6072.75	43.21	-44.55	32.65	-63.96	-25.00	38.96	Horizontal
3	7857.75	40.85	-42.60	36.90	-60.11	-25.00	35.11	Horizontal
4	10004.25	44.99	-39.23	38.50	-51.00	-25.00	26.00	Horizontal
5	11413.5	32.78	-37.36	38.81	-61.04	-25.00	36.04	Horizontal
6	13701	33.83	-36.16	40.38	-57.21	-25.00	32.21	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	5002.5	50.49	-45.63	31.40	-59.00	-25.00	34.00	Vertical
2	6149.25	43.17	-44.60	32.91	-63.79	-25.00	38.79	Vertical
3	7221	41.77	-43.49	35.62	-61.36	-25.00	36.36	Vertical
4	10004.25	48.39	-39.23	38.50	-47.60	-25.00	22.60	Vertical
5	11361.75	33.22	-37.39	38.78	-60.65	-25.00	35.65	Vertical
6	12505.5	40.74	-36.99	39.25	-52.26	-25.00	27.26	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	5052	44.52	-45.50	31.49	-64.75	-25.00	39.75	Horizontal
2	5998.5	42.70	-44.83	32.40	-64.99	-25.00	39.99	Horizontal
3	7422.75	41.35	-43.35	36.18	-61.07	-25.00	36.07	Horizontal
4	10104	44.86	-39.14	38.51	-51.02	-25.00	26.02	Horizontal
5	11242.5	33.54	-37.40	38.72	-60.40	-25.00	35.40	Horizontal
6	12870	33.93	-37.03	39.36	-59.00	-25.00	34.00	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBµV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	5052	48.35	-45.50	31.49	-60.92	-25.00	35.92	Vertical
2	6825.75	42.24	-44.15	34.69	-62.49	-25.00	37.49	Vertical
3	8038.5	40.31	-41.97	37.08	-59.84	-25.00	34.84	Vertical
4	10104	45.32	-39.14	38.51	-50.56	-25.00	25.56	Vertical
5	11365.5	33.07	-37.39	38.78	-60.79	-25.00	35.79	Vertical
6	14394	32.83	-34.88	41.12	-56.20	-25.00	31.20	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	5102.25	46.33	-45.37	31.58	-62.71	-25.00	37.71	Horizontal
2	6841.5	42.21	-44.14	34.71	-62.48	-25.00	37.48	Horizontal
3	8387.25	39.55	-41.52	36.87	-60.36	-25.00	35.36	Horizontal
4	10204.5	44.67	-39.48	38.52	-51.55	-25.00	26.55	Horizontal
5	12107.25	34.27	-37.35	39.13	-59.21	-25.00	34.21	Horizontal
6	13416	34.66	-36.42	39.98	-57.04	-25.00	32.04	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBµV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	5102.25	46.59	-45.37	31.58	-62.45	-25.00	37.45	Vertical
2	6160.5	43.39	-44.64	32.95	-63.56	-25.00	38.56	Vertical
3	7653	41.93	-43.03	36.61	-59.75	-25.00	34.75	Vertical
4	10204.5	48.23	-39.48	38.52	-47.99	-25.00	22.99	Vertical
5	12319.5	33.97	-37.44	39.20	-59.53	-25.00	34.53	Vertical
6	14996.25	32.70	-34.63	41.60	-55.60	-25.00	30.60	Vertical