

**Appendix A.15****1. Effective (Isotropic) Radiated Power Output Data****1.1 Test Result****1.1.1 B41_5MHz_EIRP**

Band: 41 / Bandwidth: 5MHz / NTN								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	2498.5	1	0	21.97	-2.74	19.23	<=33.01	Pass
			13	22.11	-2.74	19.37	<=33.01	Pass
			24	22.07	-2.74	19.33	<=33.01	Pass
		12	0	21.19	-2.74	18.45	<=33.01	Pass
			6	21.19	-2.74	18.45	<=33.01	Pass
			13	21.16	-2.74	18.42	<=33.01	Pass
		25	0	21.21	-2.74	18.47	<=33.01	Pass
	2593	1	0	22.24	-2.74	19.50	<=33.01	Pass
			13	22.30	-2.74	19.56	<=33.01	Pass
			24	22.22	-2.74	19.48	<=33.01	Pass
		12	0	21.38	-2.74	18.64	<=33.01	Pass
			6	21.44	-2.74	18.70	<=33.01	Pass
			13	21.42	-2.74	18.68	<=33.01	Pass
		25	0	21.37	-2.74	18.63	<=33.01	Pass
	2687.5	1	0	22.05	-2.74	19.31	<=33.01	Pass
			13	22.15	-2.74	19.41	<=33.01	Pass
			24	22.08	-2.74	19.34	<=33.01	Pass
		12	0	21.21	-2.74	18.47	<=33.01	Pass
			6	21.22	-2.74	18.48	<=33.01	Pass
			13	21.15	-2.74	18.41	<=33.01	Pass
		25	0	21.23	-2.74	18.49	<=33.01	Pass
16QAM	2498.5	1	0	21.04	-2.74	18.30	<=33.01	Pass
			13	21.20	-2.74	18.46	<=33.01	Pass
			24	21.25	-2.74	18.51	<=33.01	Pass
		12	0	20.11	-2.74	17.37	<=33.01	Pass
			6	20.04	-2.74	17.30	<=33.01	Pass
			13	20.15	-2.74	17.41	<=33.01	Pass
		25	0	20.13	-2.74	17.39	<=33.01	Pass
	2593	1	0	21.48	-2.74	18.74	<=33.01	Pass
			13	21.49	-2.74	18.75	<=33.01	Pass
			24	21.26	-2.74	18.52	<=33.01	Pass
		12	0	20.37	-2.74	17.63	<=33.01	Pass
			6	20.43	-2.74	17.69	<=33.01	Pass
			13	20.28	-2.74	17.54	<=33.01	Pass
		25	0	20.37	-2.74	17.63	<=33.01	Pass
	2687.5	1	0	21.13	-2.74	18.39	<=33.01	Pass
			13	21.41	-2.74	18.67	<=33.01	Pass
			24	21.18	-2.74	18.44	<=33.01	Pass
		12	0	20.20	-2.74	17.46	<=33.01	Pass
			6	20.26	-2.74	17.52	<=33.01	Pass

64QAM	2498.5	25	13	20.14	-2.74	17.40	<=33.01	Pass
			0	20.24	-2.74	17.50	<=33.01	Pass
	2498.5	1	0	20.95	-2.74	18.21	<=33.01	Pass
			13	21.21	-2.74	18.47	<=33.01	Pass
			24	21.08	-2.74	18.34	<=33.01	Pass
		12	0	20.16	-2.74	17.42	<=33.01	Pass
			6	20.23	-2.74	17.49	<=33.01	Pass
			13	20.13	-2.74	17.39	<=33.01	Pass
		25	0	20.20	-2.74	17.46	<=33.01	Pass
	2593	1	0	21.28	-2.74	18.54	<=33.01	Pass
			13	21.42	-2.74	18.68	<=33.01	Pass
			24	21.06	-2.74	18.32	<=33.01	Pass
		12	0	20.48	-2.74	17.74	<=33.01	Pass
			6	20.44	-2.74	17.70	<=33.01	Pass
			13	20.40	-2.74	17.66	<=33.01	Pass
		25	0	20.42	-2.74	17.68	<=33.01	Pass
	2687.5	1	0	21.05	-2.74	18.31	<=33.01	Pass
			13	21.13	-2.74	18.39	<=33.01	Pass
			24	21.00	-2.74	18.26	<=33.01	Pass
		12	0	20.20	-2.74	17.46	<=33.01	Pass
			6	20.21	-2.74	17.47	<=33.01	Pass
			13	20.16	-2.74	17.42	<=33.01	Pass
		25	0	20.22	-2.74	17.48	<=33.01	Pass
256QAM	2498.5	1	0	17.15	-2.74	14.41	<=33.01	Pass
			13	17.19	-2.74	14.45	<=33.01	Pass
			24	16.92	-2.74	14.18	<=33.01	Pass
		12	0	17.20	-2.74	14.46	<=33.01	Pass
			6	17.28	-2.74	14.54	<=33.01	Pass
			13	17.15	-2.74	14.41	<=33.01	Pass
		25	0	17.21	-2.74	14.47	<=33.01	Pass
	2593	1	0	17.43	-2.74	14.69	<=33.01	Pass
			13	17.40	-2.74	14.66	<=33.01	Pass
			24	17.15	-2.74	14.41	<=33.01	Pass
		12	0	17.46	-2.74	14.72	<=33.01	Pass
			6	17.56	-2.74	14.82	<=33.01	Pass
			13	17.46	-2.74	14.72	<=33.01	Pass
		25	0	17.50	-2.74	14.76	<=33.01	Pass
	2687.5	1	0	16.95	-2.74	14.21	<=33.01	Pass
			13	16.85	-2.74	14.11	<=33.01	Pass
			24	16.96	-2.74	14.22	<=33.01	Pass
		12	0	17.18	-2.74	14.44	<=33.01	Pass
			6	17.19	-2.74	14.45	<=33.01	Pass
			13	17.19	-2.74	14.45	<=33.01	Pass
		25	0	17.22	-2.74	14.48	<=33.01	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.1.2 B41_10MHz_EIRP

Band: 41 / Bandwidth: 10MHz / NTN								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	

QPSK	2501	1	0	22.03	-2.74	19.29	<=33.01	Pass
			25	22.24	-2.74	19.50	<=33.01	Pass
			49	22.25	-2.74	19.51	<=33.01	Pass
		25	0	21.10	-2.74	18.36	<=33.01	Pass
			13	21.15	-2.74	18.41	<=33.01	Pass
			25	21.17	-2.74	18.43	<=33.01	Pass
		50	0	21.15	-2.74	18.41	<=33.01	Pass
	2593	1	0	22.39	-2.74	19.65	<=33.01	Pass
			25	22.58	-2.74	19.84	<=33.01	Pass
			49	22.28	-2.74	19.54	<=33.01	Pass
		25	0	21.40	-2.74	18.66	<=33.01	Pass
			13	21.44	-2.74	18.70	<=33.01	Pass
			25	21.37	-2.74	18.63	<=33.01	Pass
		50	0	21.43	-2.74	18.69	<=33.01	Pass
	2685	1	0	22.01	-2.74	19.27	<=33.01	Pass
			25	22.24	-2.74	19.50	<=33.01	Pass
			49	22.19	-2.74	19.45	<=33.01	Pass
		25	0	21.15	-2.74	18.41	<=33.01	Pass
			13	21.22	-2.74	18.48	<=33.01	Pass
			25	21.19	-2.74	18.45	<=33.01	Pass
		50	0	21.23	-2.74	18.49	<=33.01	Pass
16QAM	2501	1	0	21.04	-2.74	18.30	<=33.01	Pass
			25	21.24	-2.74	18.50	<=33.01	Pass
			49	21.14	-2.74	18.40	<=33.01	Pass
		25	0	20.15	-2.74	17.41	<=33.01	Pass
			13	20.26	-2.74	17.52	<=33.01	Pass
			25	20.23	-2.74	17.49	<=33.01	Pass
		50	0	20.17	-2.74	17.43	<=33.01	Pass
	2593	1	0	21.21	-2.74	18.47	<=33.01	Pass
			25	21.41	-2.74	18.67	<=33.01	Pass
			49	21.35	-2.74	18.61	<=33.01	Pass
		25	0	20.37	-2.74	17.63	<=33.01	Pass
			13	20.43	-2.74	17.69	<=33.01	Pass
			25	20.35	-2.74	17.61	<=33.01	Pass
		50	0	20.41	-2.74	17.67	<=33.01	Pass
	2685	1	0	21.15	-2.74	18.41	<=33.01	Pass
			25	21.13	-2.74	18.39	<=33.01	Pass
			49	21.05	-2.74	18.31	<=33.01	Pass
		25	0	20.11	-2.74	17.37	<=33.01	Pass
			13	20.26	-2.74	17.52	<=33.01	Pass
			25	20.18	-2.74	17.44	<=33.01	Pass
		50	0	20.20	-2.74	17.46	<=33.01	Pass
64QAM	2501	1	0	20.90	-2.74	18.16	<=33.01	Pass
			25	20.88	-2.74	18.14	<=33.01	Pass
			49	21.14	-2.74	18.40	<=33.01	Pass
		25	0	20.23	-2.74	17.49	<=33.01	Pass
			13	20.14	-2.74	17.40	<=33.01	Pass
			25	20.22	-2.74	17.48	<=33.01	Pass
		50	0	20.19	-2.74	17.45	<=33.01	Pass
	2593	1	0	21.28	-2.74	18.54	<=33.01	Pass
			25	21.27	-2.74	18.53	<=33.01	Pass
			49	21.23	-2.74	18.49	<=33.01	Pass
		25	0	20.41	-2.74	17.67	<=33.01	Pass

		50	13	20.45	-2.74	17.71	<=33.01	Pass
			25	20.32	-2.74	17.58	<=33.01	Pass
			0	20.42	-2.74	17.68	<=33.01	Pass
	2685	1	0	20.83	-2.74	18.09	<=33.01	Pass
			25	21.14	-2.74	18.40	<=33.01	Pass
			49	20.98	-2.74	18.24	<=33.01	Pass
		25	0	20.12	-2.74	17.38	<=33.01	Pass
			13	20.27	-2.74	17.53	<=33.01	Pass
			25	20.18	-2.74	17.44	<=33.01	Pass
		50	0	20.22	-2.74	17.48	<=33.01	Pass
256QAM	2501	1	0	16.92	-2.74	14.18	<=33.01	Pass
			25	17.17	-2.74	14.43	<=33.01	Pass
			49	17.02	-2.74	14.28	<=33.01	Pass
		25	0	17.20	-2.74	14.46	<=33.01	Pass
			13	17.18	-2.74	14.44	<=33.01	Pass
			25	17.25	-2.74	14.51	<=33.01	Pass
		50	0	17.21	-2.74	14.47	<=33.01	Pass
	2593	1	0	17.32	-2.74	14.58	<=33.01	Pass
			25	17.34	-2.74	14.60	<=33.01	Pass
			49	17.46	-2.74	14.72	<=33.01	Pass
		25	0	17.46	-2.74	14.72	<=33.01	Pass
			13	17.52	-2.74	14.78	<=33.01	Pass
			25	17.45	-2.74	14.71	<=33.01	Pass
		50	0	17.47	-2.74	14.73	<=33.01	Pass
	2685	1	0	17.22	-2.74	14.48	<=33.01	Pass
			25	17.20	-2.74	14.46	<=33.01	Pass
			49	17.06	-2.74	14.32	<=33.01	Pass
		25	0	17.12	-2.74	14.38	<=33.01	Pass
			13	17.27	-2.74	14.53	<=33.01	Pass
			25	17.16	-2.74	14.42	<=33.01	Pass
		50	0	17.23	-2.74	14.49	<=33.01	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.1.3 B41_15MHz_EIRP

Band: 41 / Bandwidth: 15MHz / NTN								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	2503.5	1	0	22.00	-2.74	19.26	<=33.01	Pass
			38	22.18	-2.74	19.44	<=33.01	Pass
			74	22.23	-2.74	19.49	<=33.01	Pass
		36	0	21.26	-2.74	18.52	<=33.01	Pass
			18	21.32	-2.74	18.58	<=33.01	Pass
			39	21.29	-2.74	18.55	<=33.01	Pass
		75	0	21.29	-2.74	18.55	<=33.01	Pass
	2593	1	0	22.09	-2.74	19.35	<=33.01	Pass
			38	22.32	-2.74	19.58	<=33.01	Pass
			74	22.30	-2.74	19.56	<=33.01	Pass
		36	0	21.47	-2.74	18.73	<=33.01	Pass
			18	21.43	-2.74	18.69	<=33.01	Pass
			39	21.34	-2.74	18.60	<=33.01	Pass

	2682.5	75	0	21.41	-2.74	18.67	<=33.01	Pass
		1	0	21.92	-2.74	19.18	<=33.01	Pass
			38	22.07	-2.74	19.33	<=33.01	Pass
			74	22.00	-2.74	19.26	<=33.01	Pass
		36	0	21.15	-2.74	18.41	<=33.01	Pass
			18	21.22	-2.74	18.48	<=33.01	Pass
			39	21.15	-2.74	18.41	<=33.01	Pass
		75	0	21.17	-2.74	18.43	<=33.01	Pass
16QAM	2503.5	1	0	21.06	-2.74	18.32	<=33.01	Pass
			38	21.29	-2.74	18.55	<=33.01	Pass
			74	21.21	-2.74	18.47	<=33.01	Pass
		36	0	20.22	-2.74	17.48	<=33.01	Pass
			18	20.29	-2.74	17.55	<=33.01	Pass
			39	20.30	-2.74	17.56	<=33.01	Pass
		75	0	20.30	-2.74	17.56	<=33.01	Pass
	2593	1	0	21.31	-2.74	18.57	<=33.01	Pass
			38	21.49	-2.74	18.75	<=33.01	Pass
			74	21.05	-2.74	18.31	<=33.01	Pass
		36	0	20.42	-2.74	17.68	<=33.01	Pass
			18	20.51	-2.74	17.77	<=33.01	Pass
			39	20.31	-2.74	17.57	<=33.01	Pass
		75	0	20.43	-2.74	17.69	<=33.01	Pass
	2682.5	1	0	21.07	-2.74	18.33	<=33.01	Pass
			38	21.09	-2.74	18.35	<=33.01	Pass
			74	21.10	-2.74	18.36	<=33.01	Pass
		36	0	20.15	-2.74	17.41	<=33.01	Pass
			18	20.21	-2.74	17.47	<=33.01	Pass
			39	20.17	-2.74	17.43	<=33.01	Pass
		75	0	20.14	-2.74	17.40	<=33.01	Pass
64QAM	2503.5	1	0	20.92	-2.74	18.18	<=33.01	Pass
			38	21.12	-2.74	18.38	<=33.01	Pass
			74	21.31	-2.74	18.57	<=33.01	Pass
		36	0	20.20	-2.74	17.46	<=33.01	Pass
			18	20.27	-2.74	17.53	<=33.01	Pass
			39	20.23	-2.74	17.49	<=33.01	Pass
		75	0	20.30	-2.74	17.56	<=33.01	Pass
	2593	1	0	21.41	-2.74	18.67	<=33.01	Pass
			38	21.35	-2.74	18.61	<=33.01	Pass
			74	21.35	-2.74	18.61	<=33.01	Pass
		36	0	20.42	-2.74	17.68	<=33.01	Pass
			18	20.47	-2.74	17.73	<=33.01	Pass
			39	20.31	-2.74	17.57	<=33.01	Pass
		75	0	20.42	-2.74	17.68	<=33.01	Pass
	2682.5	1	0	21.05	-2.74	18.31	<=33.01	Pass
			38	21.04	-2.74	18.30	<=33.01	Pass
			74	21.12	-2.74	18.38	<=33.01	Pass
		36	0	20.14	-2.74	17.40	<=33.01	Pass
			18	20.19	-2.74	17.45	<=33.01	Pass
			39	20.19	-2.74	17.45	<=33.01	Pass
		75	0	20.18	-2.74	17.44	<=33.01	Pass
256QAM	2503.5	1	0	16.85	-2.74	14.11	<=33.01	Pass
			38	17.07	-2.74	14.33	<=33.01	Pass
			74	17.17	-2.74	14.43	<=33.01	Pass



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		36	0	17.25	-2.74	14.51	<=33.01	Pass
			18	17.38	-2.74	14.64	<=33.01	Pass
			39	17.24	-2.74	14.50	<=33.01	Pass
		75	0	17.31	-2.74	14.57	<=33.01	Pass
	2593	1	0	17.47	-2.74	14.73	<=33.01	Pass
			38	17.29	-2.74	14.55	<=33.01	Pass
			74	17.32	-2.74	14.58	<=33.01	Pass
		36	0	17.45	-2.74	14.71	<=33.01	Pass
			18	17.54	-2.74	14.80	<=33.01	Pass
			39	17.34	-2.74	14.60	<=33.01	Pass
		75	0	17.48	-2.74	14.74	<=33.01	Pass
	2682.5	1	0	17.14	-2.74	14.40	<=33.01	Pass
			38	17.15	-2.74	14.41	<=33.01	Pass
			74	17.07	-2.74	14.33	<=33.01	Pass
		36	0	17.13	-2.74	14.39	<=33.01	Pass
			18	17.19	-2.74	14.45	<=33.01	Pass
			39	17.15	-2.74	14.41	<=33.01	Pass
		75	0	17.21	-2.74	14.47	<=33.01	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.1.4 B41_20MHz_EIRP

Band: 41 / Bandwidth: 20MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	2506	1	0	22.09	-2.74	19.35	<=33.01	Pass
			50	22.19	-2.74	19.45	<=33.01	Pass
			99	22.33	-2.74	19.59	<=33.01	Pass
		50	0	21.23	-2.74	18.49	<=33.01	Pass
			25	21.28	-2.74	18.54	<=33.01	Pass
			50	21.31	-2.74	18.57	<=33.01	Pass
		100	0	21.24	-2.74	18.50	<=33.01	Pass
	2593	1	0	22.22	-2.74	19.48	<=33.01	Pass
			50	22.33	-2.74	19.59	<=33.01	Pass
			99	22.19	-2.74	19.45	<=33.01	Pass
		50	0	21.42	-2.74	18.68	<=33.01	Pass
			25	21.47	-2.74	18.73	<=33.01	Pass
			50	21.34	-2.74	18.60	<=33.01	Pass
		100	0	21.41	-2.74	18.67	<=33.01	Pass
	2680	1	0	22.01	-2.74	19.27	<=33.01	Pass
			50	22.06	-2.74	19.32	<=33.01	Pass
			99	22.01	-2.74	19.27	<=33.01	Pass
		50	0	21.15	-2.74	18.41	<=33.01	Pass
			25	21.20	-2.74	18.46	<=33.01	Pass
			50	21.07	-2.74	18.33	<=33.01	Pass
		100	0	21.10	-2.74	18.36	<=33.01	Pass
16QAM	2506	1	0	20.98	-2.74	18.24	<=33.01	Pass
			50	21.15	-2.74	18.41	<=33.01	Pass
			99	21.28	-2.74	18.54	<=33.01	Pass
		50	0	20.28	-2.74	17.54	<=33.01	Pass
			25	20.28	-2.74	17.54	<=33.01	Pass

			50	20.35	-2.74	17.61	<=33.01	Pass
		100	0	20.23	-2.74	17.49	<=33.01	Pass
	2593	1	0	21.26	-2.74	18.52	<=33.01	Pass
			50	21.23	-2.74	18.49	<=33.01	Pass
			99	21.31	-2.74	18.57	<=33.01	Pass
		50	0	20.44	-2.74	17.70	<=33.01	Pass
			25	20.48	-2.74	17.74	<=33.01	Pass
			50	20.37	-2.74	17.63	<=33.01	Pass
		100	0	20.44	-2.74	17.70	<=33.01	Pass
	2680	1	0	20.89	-2.74	18.15	<=33.01	Pass
			50	21.08	-2.74	18.34	<=33.01	Pass
			99	21.06	-2.74	18.32	<=33.01	Pass
		50	0	20.13	-2.74	17.39	<=33.01	Pass
			25	20.16	-2.74	17.42	<=33.01	Pass
			50	20.07	-2.74	17.33	<=33.01	Pass
100		0	20.15	-2.74	17.41	<=33.01	Pass	
64QAM	2506	1	0	21.16	-2.74	18.42	<=33.01	Pass
			50	21.34	-2.74	18.60	<=33.01	Pass
			99	21.26	-2.74	18.52	<=33.01	Pass
		50	0	20.31	-2.74	17.57	<=33.01	Pass
			25	20.26	-2.74	17.52	<=33.01	Pass
			50	20.31	-2.74	17.57	<=33.01	Pass
	100	0	20.25	-2.74	17.51	<=33.01	Pass	
	2593	1	0	21.34	-2.74	18.60	<=33.01	Pass
			50	21.32	-2.74	18.58	<=33.01	Pass
			99	21.30	-2.74	18.56	<=33.01	Pass
		50	0	20.48	-2.74	17.74	<=33.01	Pass
			25	20.44	-2.74	17.70	<=33.01	Pass
			50	20.35	-2.74	17.61	<=33.01	Pass
	100	0	20.41	-2.74	17.67	<=33.01	Pass	
	2680	1	0	20.99	-2.74	18.25	<=33.01	Pass
			50	21.12	-2.74	18.38	<=33.01	Pass
			99	20.80	-2.74	18.06	<=33.01	Pass
		50	0	20.13	-2.74	17.39	<=33.01	Pass
			25	20.22	-2.74	17.48	<=33.01	Pass
			50	20.12	-2.74	17.38	<=33.01	Pass
100	0	20.15	-2.74	17.41	<=33.01	Pass		
256QAM	2506	1	0	17.17	-2.74	14.43	<=33.01	Pass
			50	17.49	-2.74	14.75	<=33.01	Pass
			99	17.15	-2.74	14.41	<=33.01	Pass
		50	0	17.22	-2.74	14.48	<=33.01	Pass
			25	17.30	-2.74	14.56	<=33.01	Pass
			50	17.35	-2.74	14.61	<=33.01	Pass
	100	0	17.29	-2.74	14.55	<=33.01	Pass	
	2593	1	0	17.27	-2.74	14.53	<=33.01	Pass
			50	17.36	-2.74	14.62	<=33.01	Pass
			99	17.28	-2.74	14.54	<=33.01	Pass
		50	0	17.47	-2.74	14.73	<=33.01	Pass
			25	17.48	-2.74	14.74	<=33.01	Pass
			50	17.38	-2.74	14.64	<=33.01	Pass
	100	0	17.42	-2.74	14.68	<=33.01	Pass	
	2680	1	0	17.10	-2.74	14.36	<=33.01	Pass
50			17.17	-2.74	14.43	<=33.01	Pass	



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			99	16.88	-2.74	14.14	<=33.01	Pass
		50	0	17.19	-2.74	14.45	<=33.01	Pass
			25	17.23	-2.74	14.49	<=33.01	Pass
			50	17.13	-2.74	14.39	<=33.01	Pass
		100	0	17.12	-2.74	14.38	<=33.01	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

2. Frequency Stability

2.1 Test Result

2.1.1 B41_10MHz

Band: 41 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2593	50	0	20	3.27	-1.100	-0.0004	-2.5 to 2.5	Pass
					3.85	1.900	0.0007	-2.5 to 2.5	Pass
					4.43	-0.500	-0.0002	-2.5 to 2.5	Pass
				-30	3.85	-0.400	-0.0002	-2.5 to 2.5	Pass
				-20	3.85	-2.100	-0.0008	-2.5 to 2.5	Pass
				-10	3.85	-2.300	-0.0009	-2.5 to 2.5	Pass
				0	3.85	-0.500	-0.0002	-2.5 to 2.5	Pass
				10	3.85	-1.100	-0.0004	-2.5 to 2.5	Pass
				30	3.85	0.900	0.0003	-2.5 to 2.5	Pass
				40	3.85	-0.500	-0.0002	-2.5 to 2.5	Pass
				50	3.85	0.300	0.0001	-2.5 to 2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 Band41_OBW

Band: 41 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2593	25	0	4.485	/	Pass
	16QAM	2593	25	0	4.478	/	Pass
	64QAM	2593	25	0	4.486	/	Pass
	256QAM	2593	25	0	4.481	/	Pass
10	QPSK	2593	50	0	8.972	/	Pass
	16QAM	2593	50	0	8.953	/	Pass
	64QAM	2593	50	0	8.950	/	Pass
	256QAM	2593	50	0	8.943	/	Pass
15	QPSK	2593	75	0	13.438	/	Pass
	16QAM	2593	75	0	13.448	/	Pass



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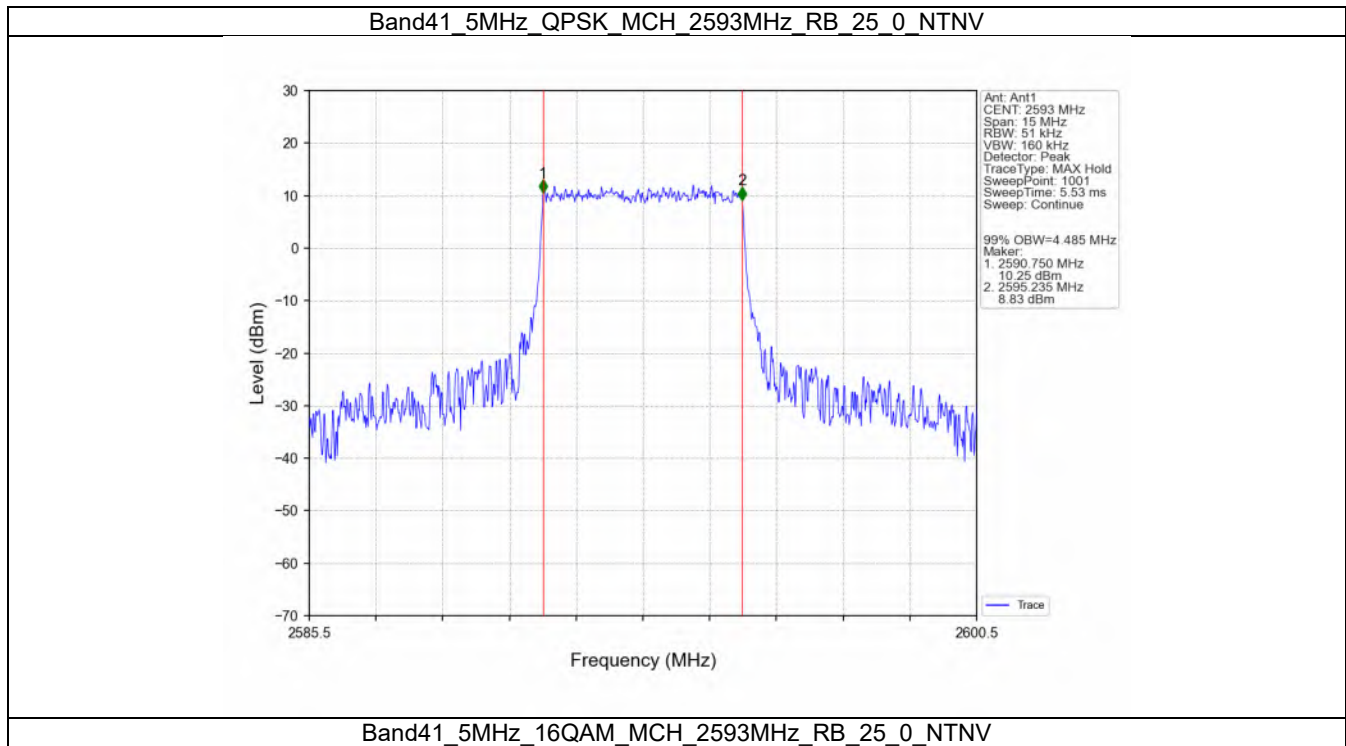
20	64QAM	2593	75	0	13.414	/	Pass
	256QAM	2593	75	0	13.453	/	Pass
	QPSK	2593	100	0	17.916	/	Pass
	16QAM	2593	100	0	17.911	/	Pass
	64QAM	2593	100	0	17.881	/	Pass
	256QAM	2593	100	0	17.900	/	Pass

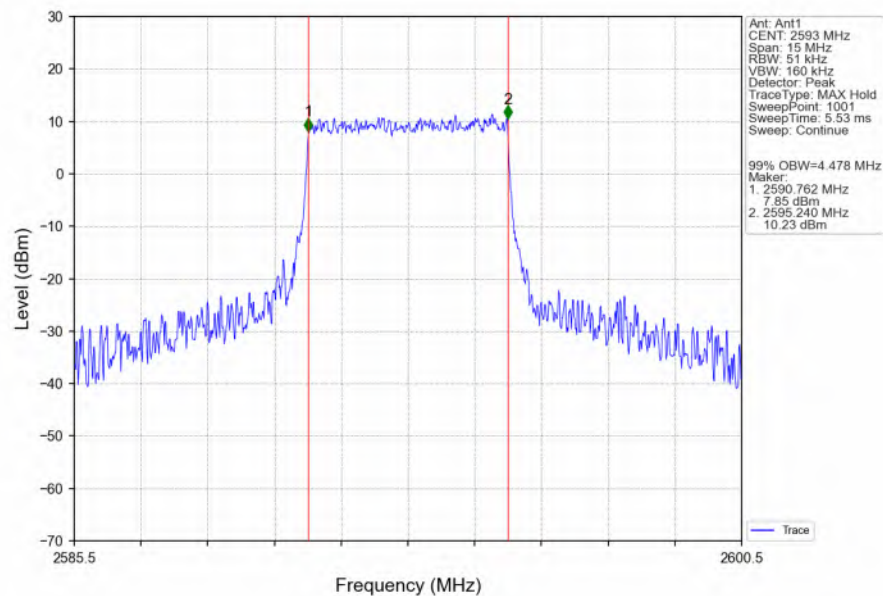
3.1.2 Band41_XDB

Band: 41 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2593	25	0	5.040	/	Pass
	16QAM	2593	25	0	5.019	/	Pass
	64QAM	2593	25	0	4.932	/	Pass
	256QAM	2593	25	0	5.020	/	Pass
10	QPSK	2593	50	0	9.764	/	Pass
	16QAM	2593	50	0	9.856	/	Pass
	64QAM	2593	50	0	9.849	/	Pass
	256QAM	2593	50	0	9.900	/	Pass
15	QPSK	2593	75	0	14.537	/	Pass
	16QAM	2593	75	0	14.608	/	Pass
	64QAM	2593	75	0	14.927	/	Pass
	256QAM	2593	75	0	15.040	/	Pass
20	QPSK	2593	100	0	19.250	/	Pass
	16QAM	2593	100	0	19.695	/	Pass
	64QAM	2593	100	0	19.076	/	Pass
	256QAM	2593	100	0	19.382	/	Pass

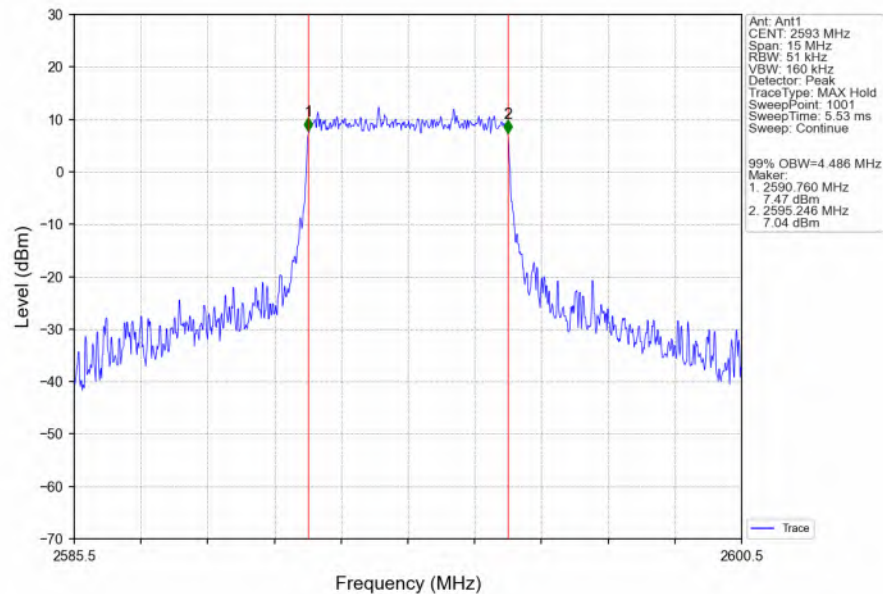
3.2 Test Graph

3.2.1 Band41_OBW

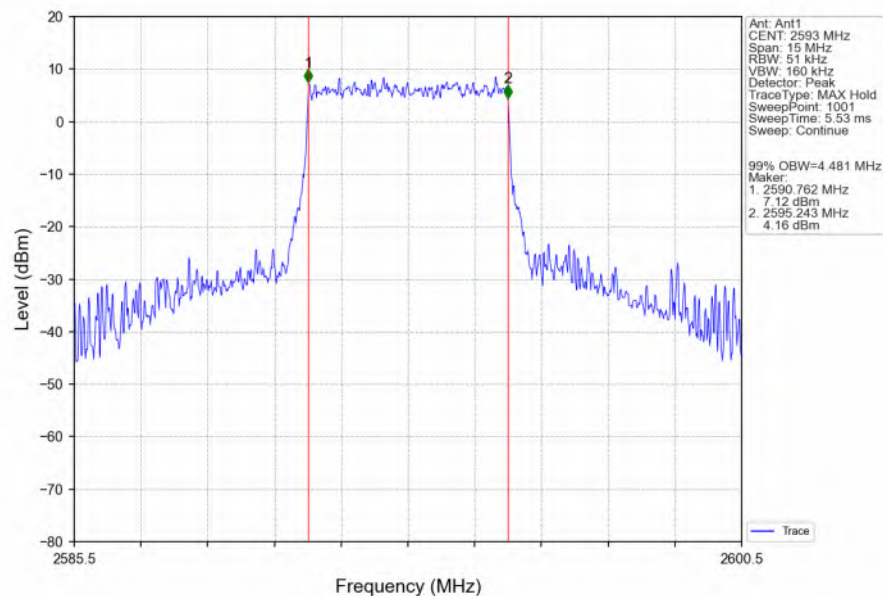




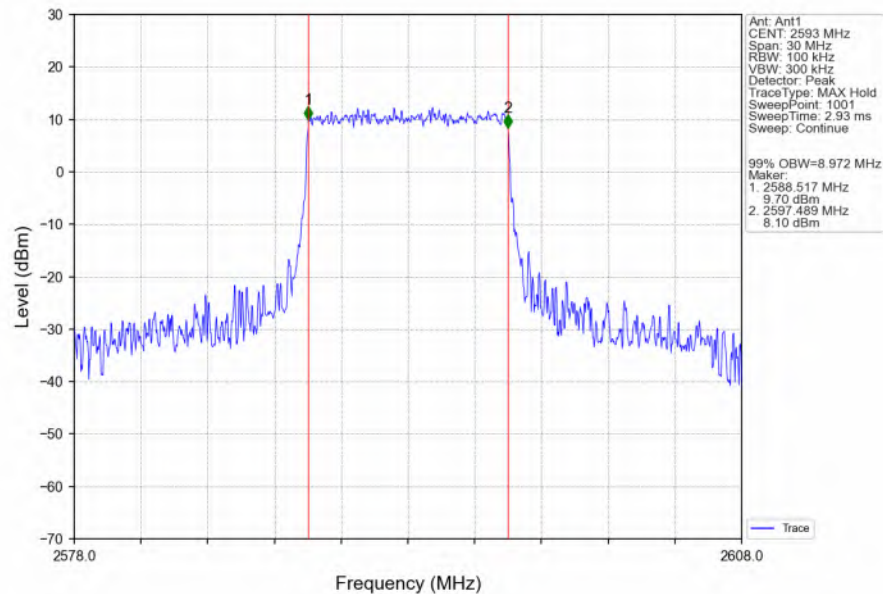
Band41_5MHz_64QAM_MCH_2593MHz_RB_25_0_NTNV



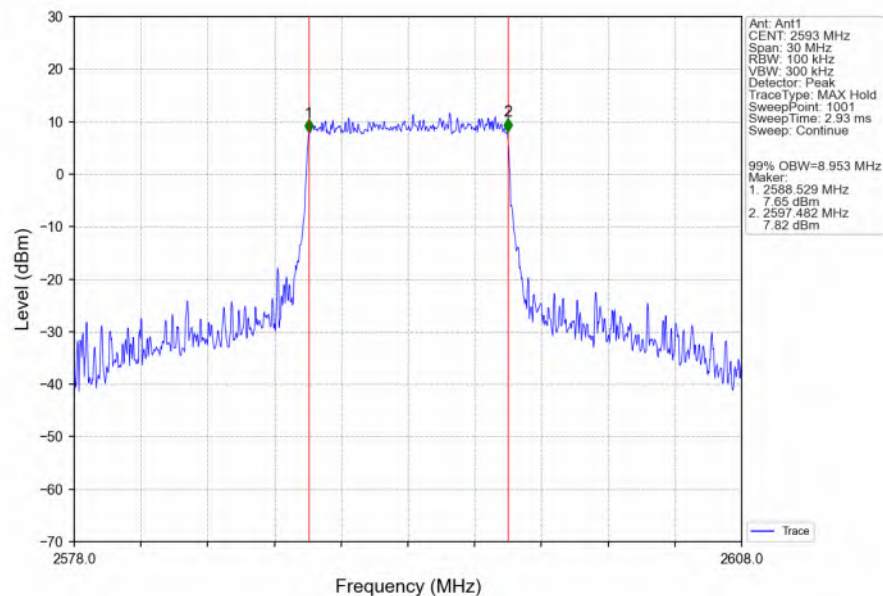
Band41_5MHz_256QAM_MCH_2593MHz_RB_25_0_NTNV



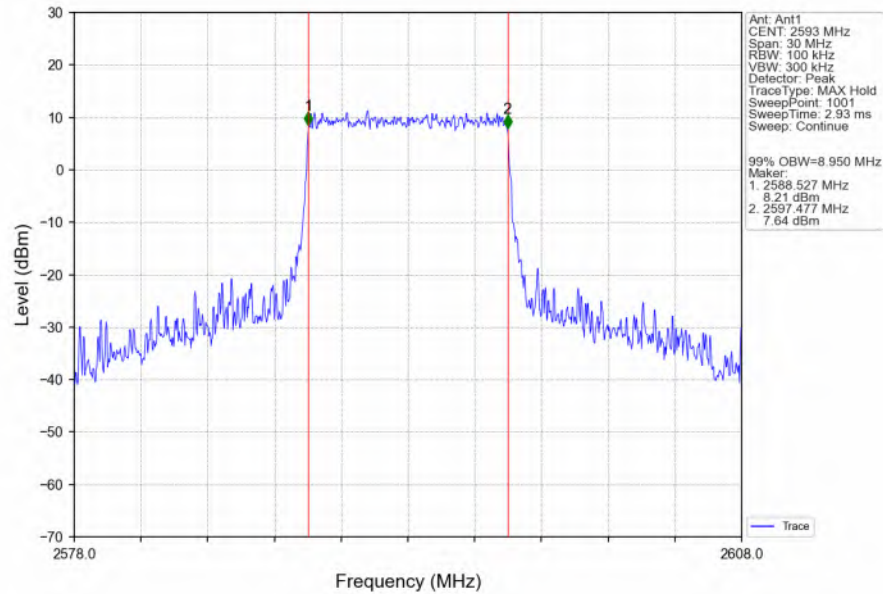
Band41_10MHz_QPSK_MCH_2593MHz_RB_50_0_NTNV



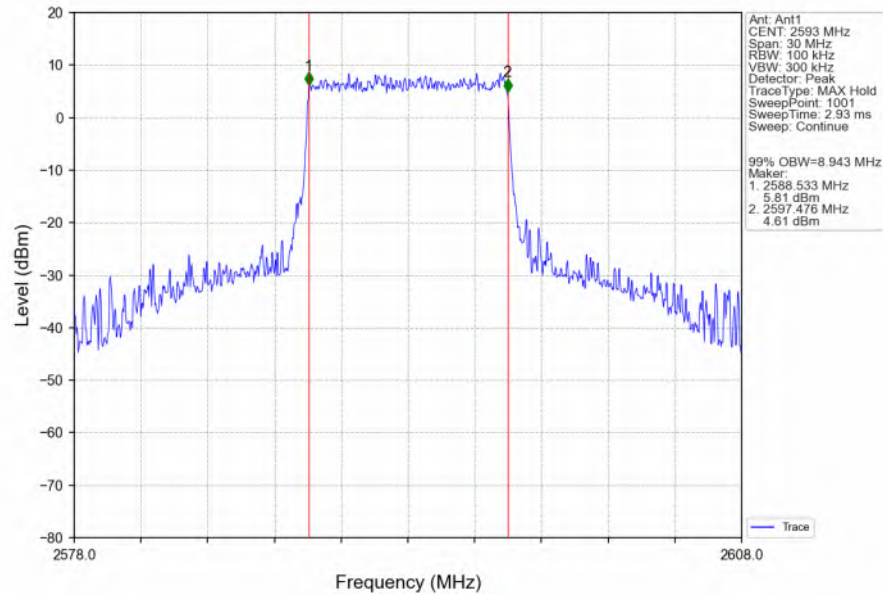
Band41_10MHz_16QAM_MCH_2593MHz_RB_50_0_NTNV



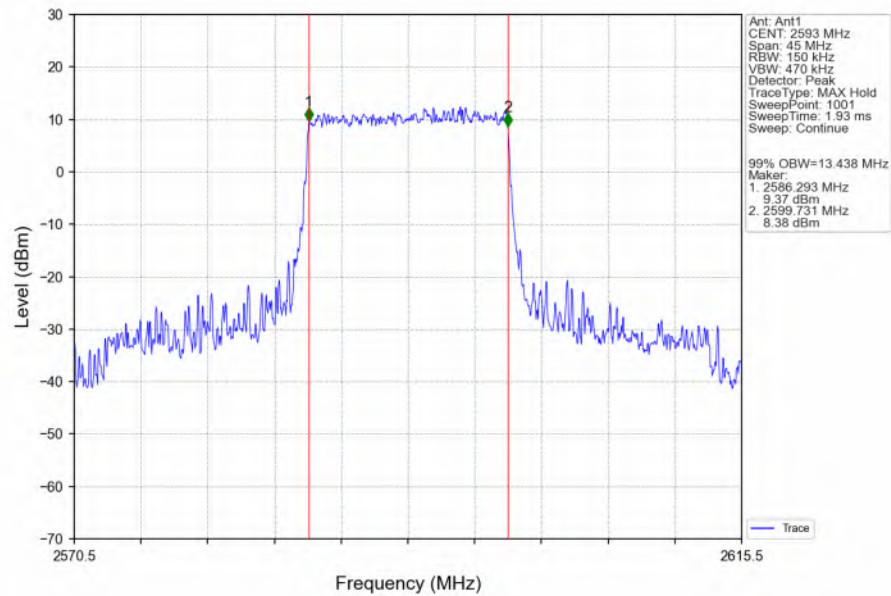
Band41_10MHz_64QAM_MCH_2593MHz_RB_50_0_NTNV



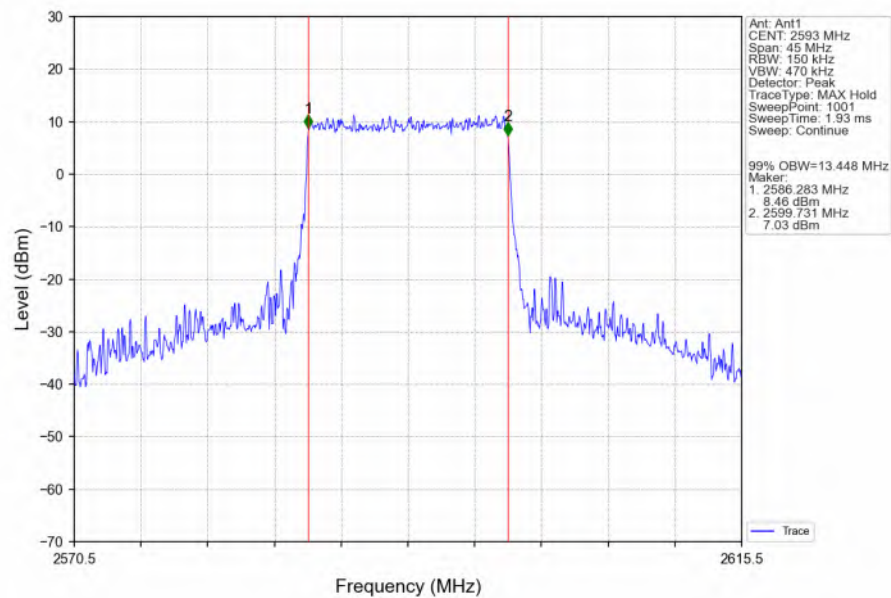
Band41_10MHz_256QAM_MCH_2593MHz_RB_50_0_NTNV



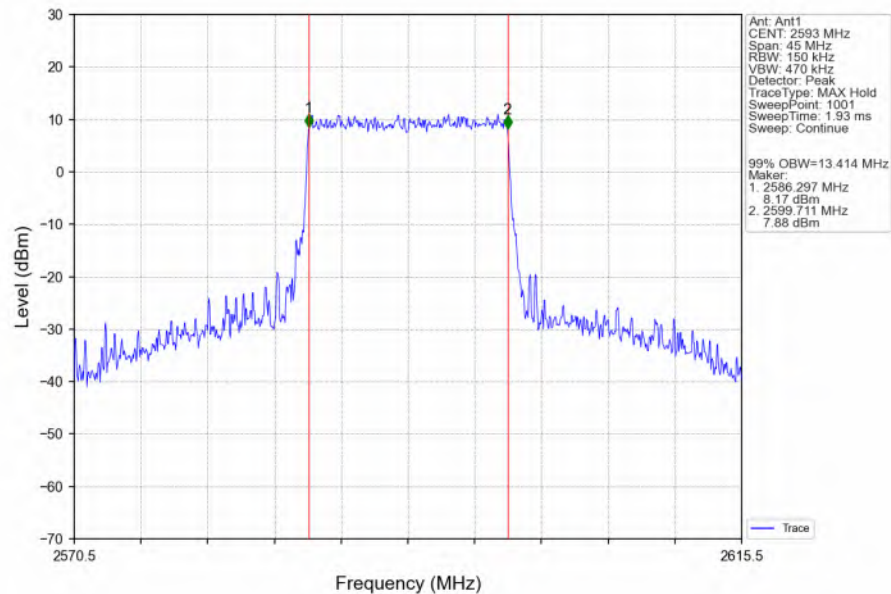
Band41_15MHz_QPSK_MCH_2593MHz_RB_75_0_NTNV



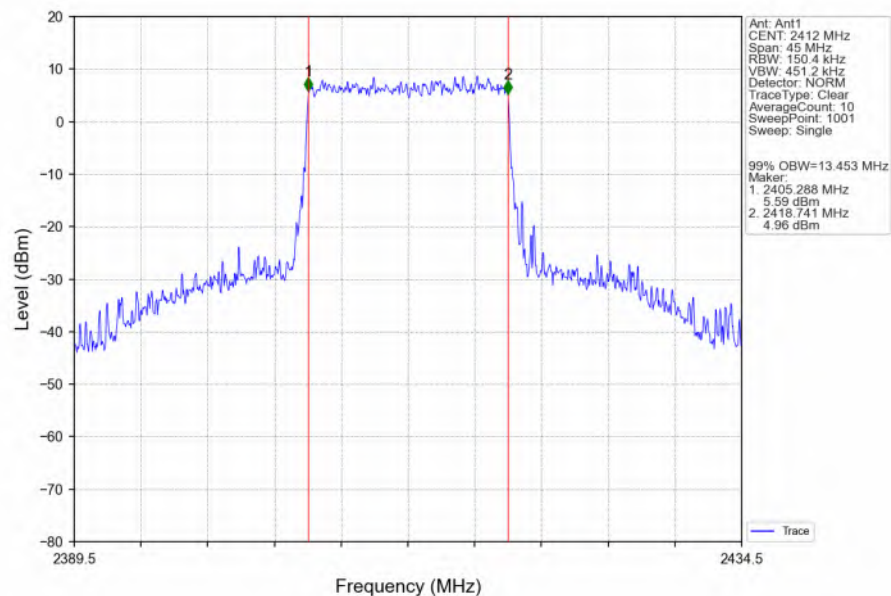
Band41_15MHz_16QAM_MCH_2593MHz_RB_75_0_NTNV



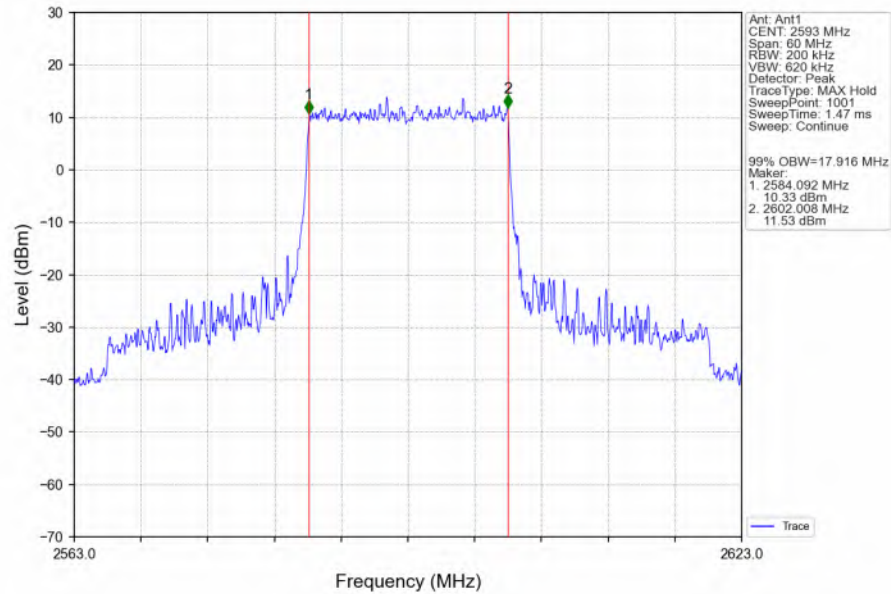
Band41_15MHz_64QAM_MCH_2593MHz_RB_75_0_NTNV



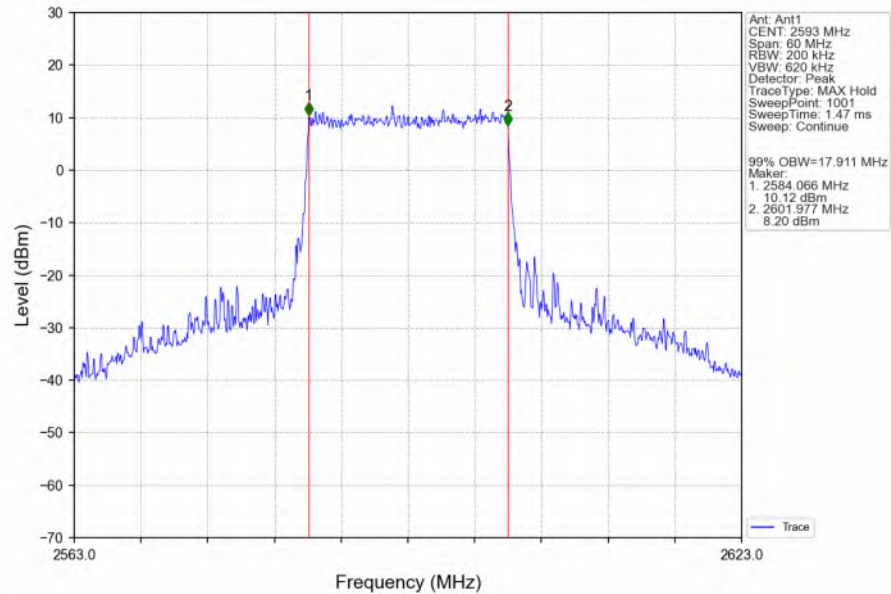
Band41_15MHz_256QAM_MCH_2593MHz_RB_75_0_NTNV



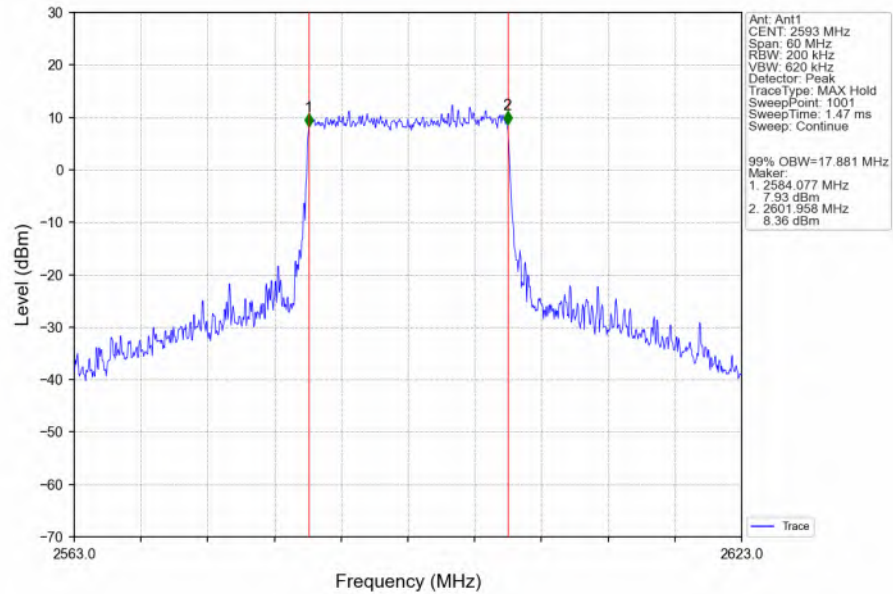
Band41_20MHz_QPSK_MCH_2593MHz_RB_100_0_NTNV



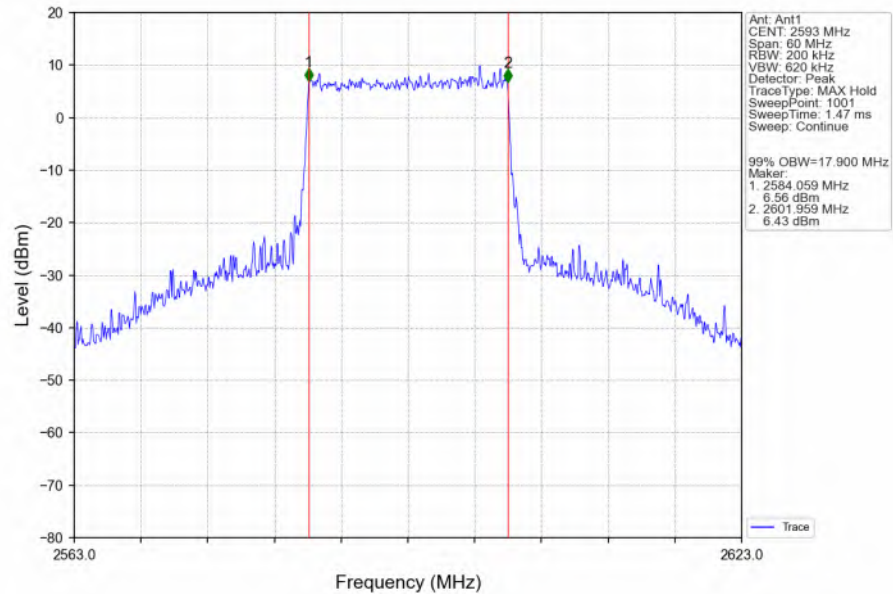
Band41_20MHz_16QAM_MCH_2593MHz_RB_100_0_NTNV



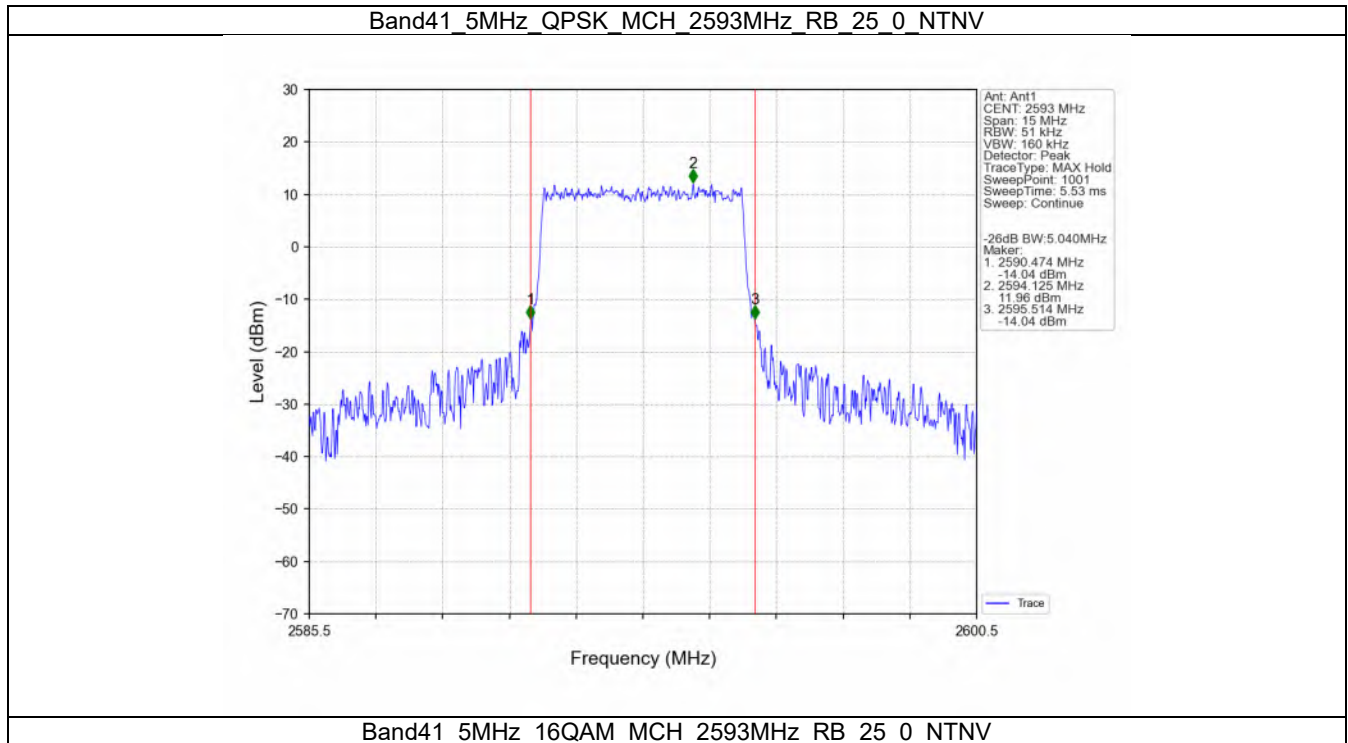
Band41_20MHz_64QAM_MCH_2593MHz_RB_100_0_NTNV

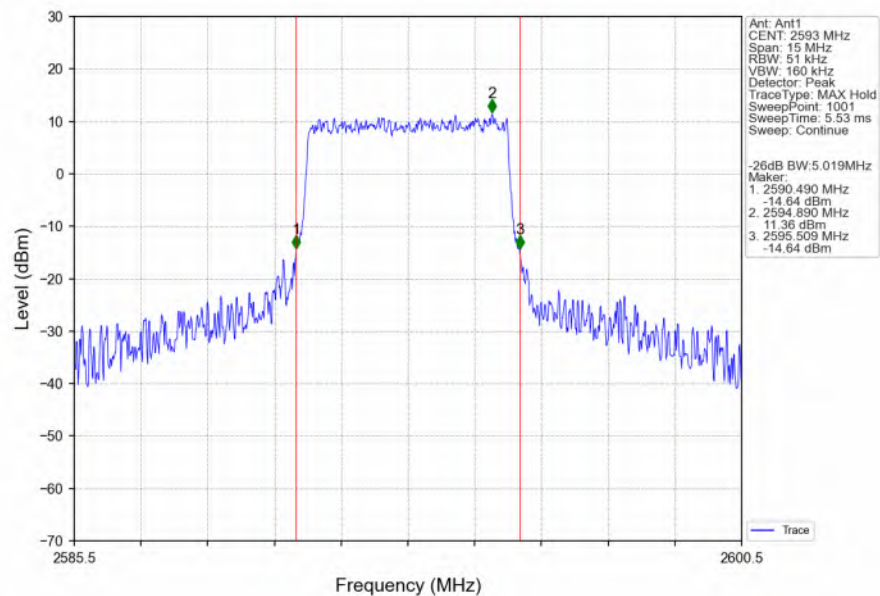


Band41_20MHz_256QAM_MCH_2593MHz_RB_100_0_NTNV

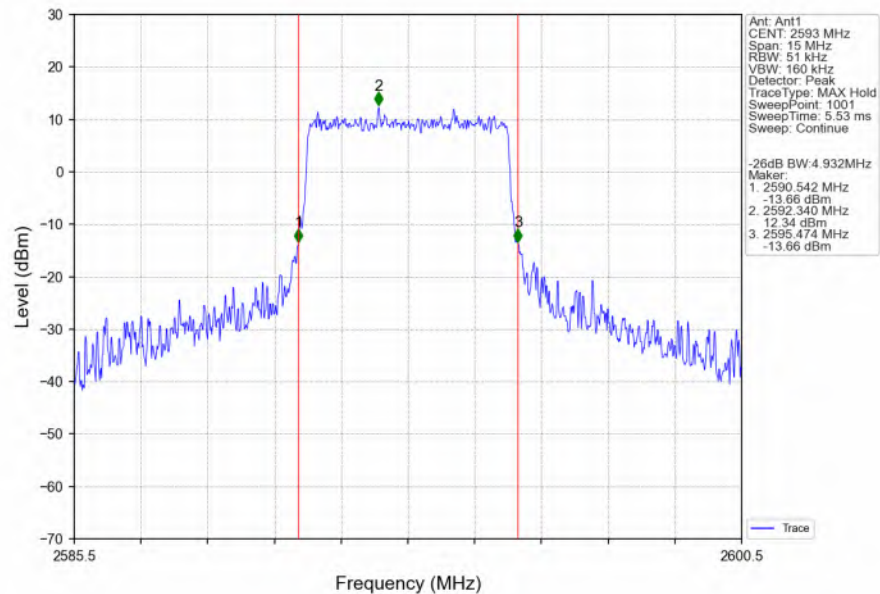


3.2.2 Band41_XDB

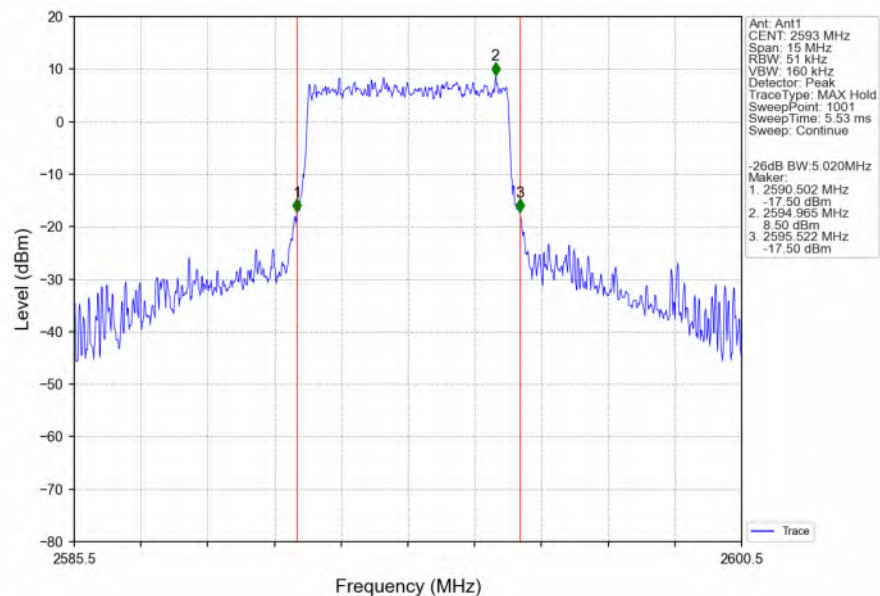




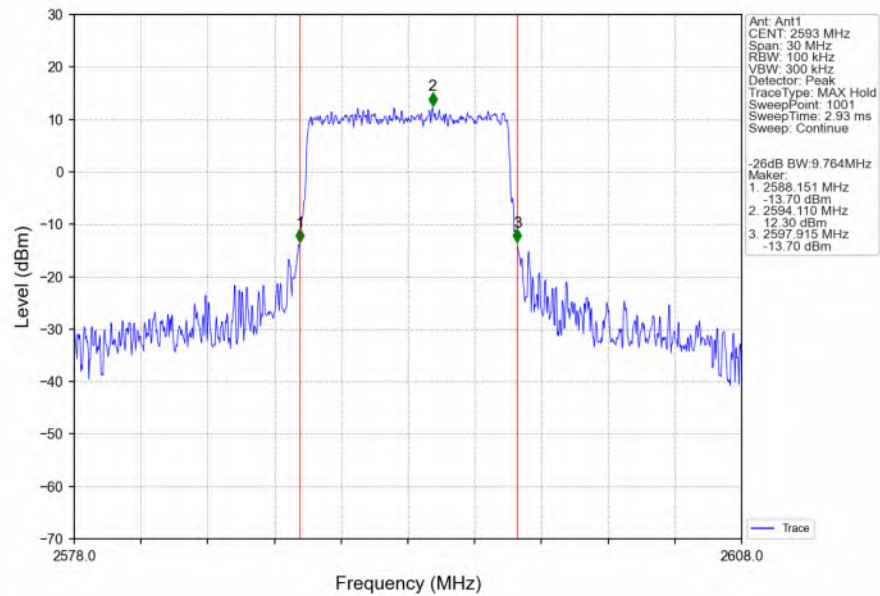
Band41_5MHz_64QAM_MCH_2593MHz_RB_25_0_NTNV



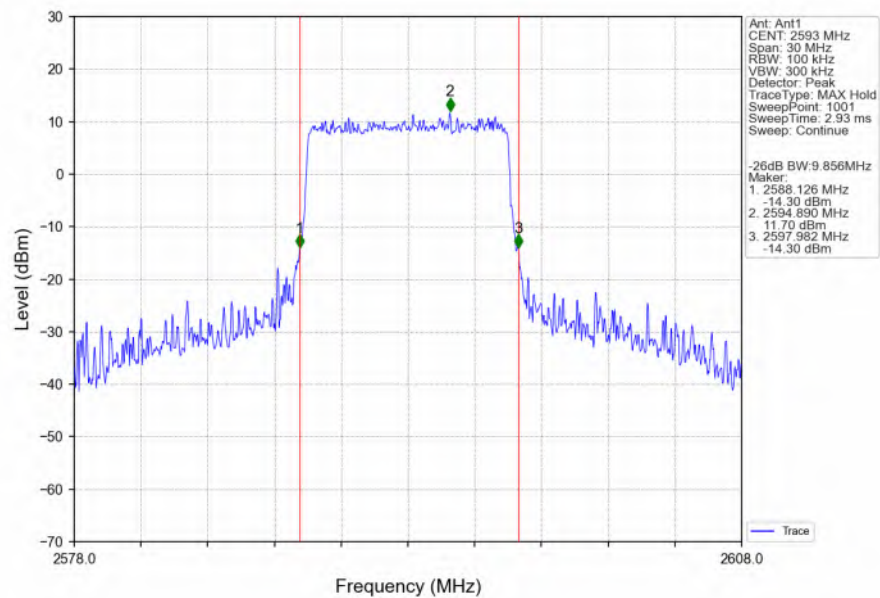
Band41_5MHz_256QAM_MCH_2593MHz_RB_25_0_NTNV



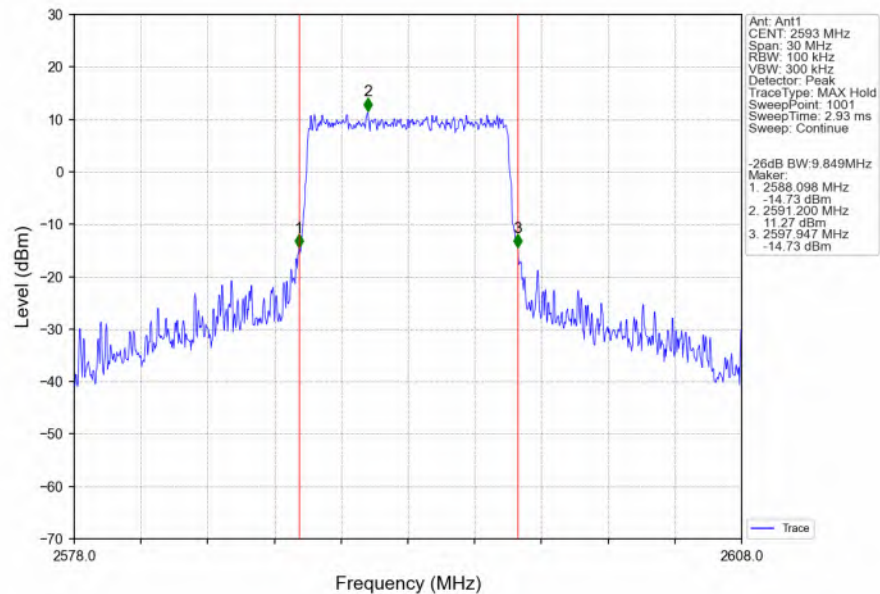
Band41_10MHz_QPSK_MCH_2593MHz_RB_50_0_NTNV



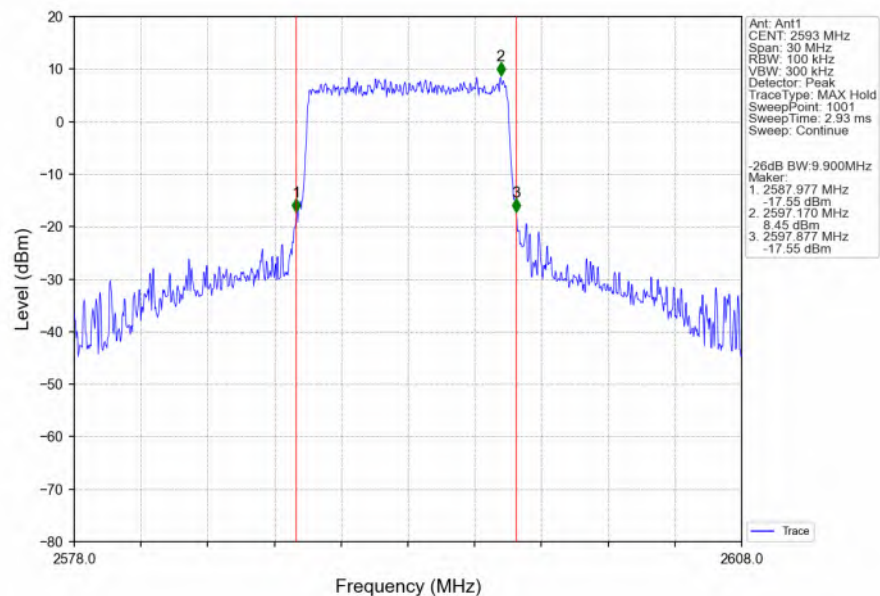
Band41_10MHz_16QAM_MCH_2593MHz_RB_50_0_NTNV



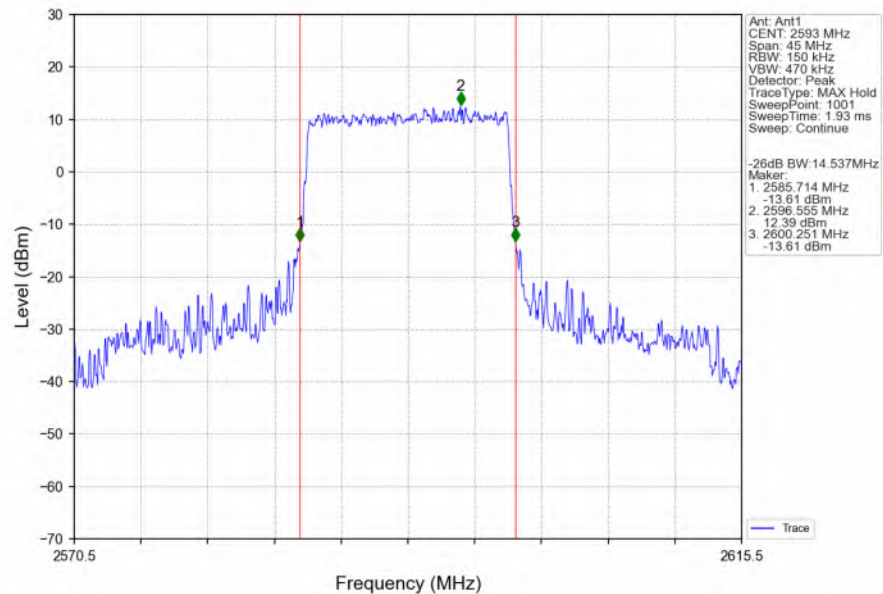
Band41_10MHz_64QAM_MCH_2593MHz_RB_50_0_NTNV



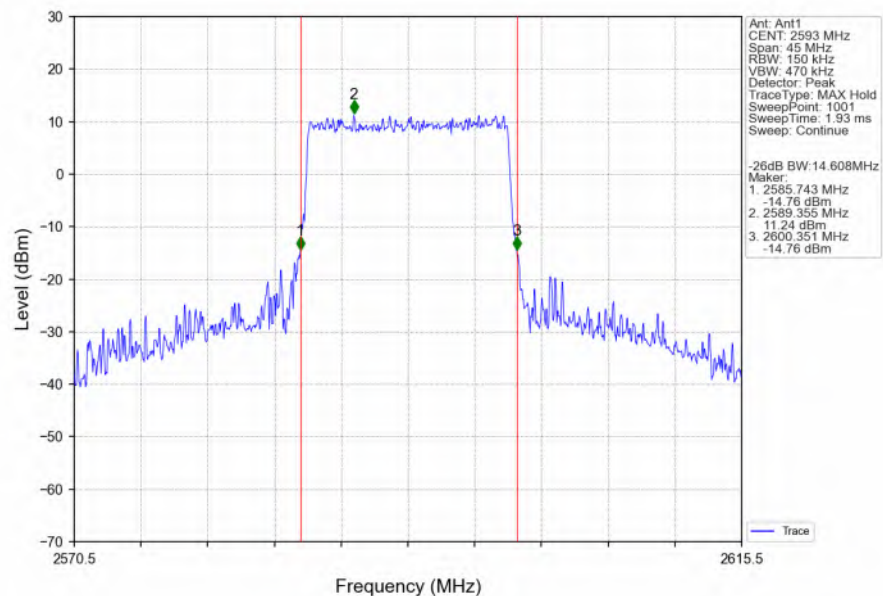
Band41_10MHz_256QAM_MCH_2593MHz_RB_50_0_NTNV



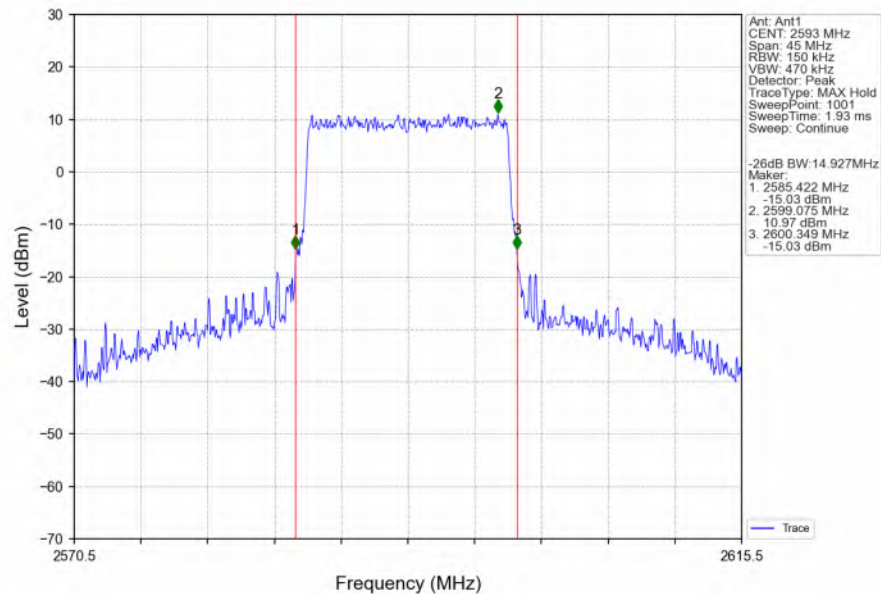
Band41_15MHz_QPSK_MCH_2593MHz_RB_75_0_NTNV



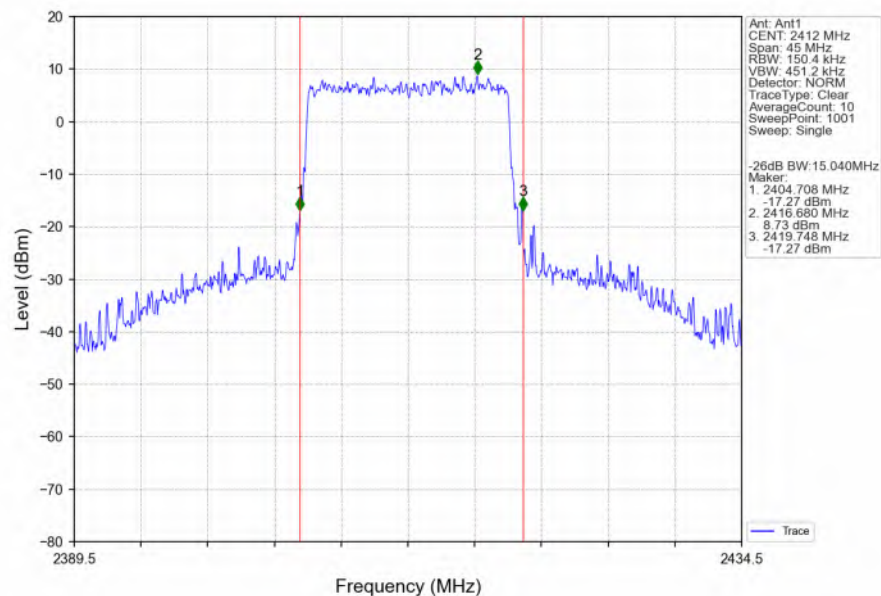
Band41_15MHz_16QAM_MCH_2593MHz_RB_75_0_NTNV



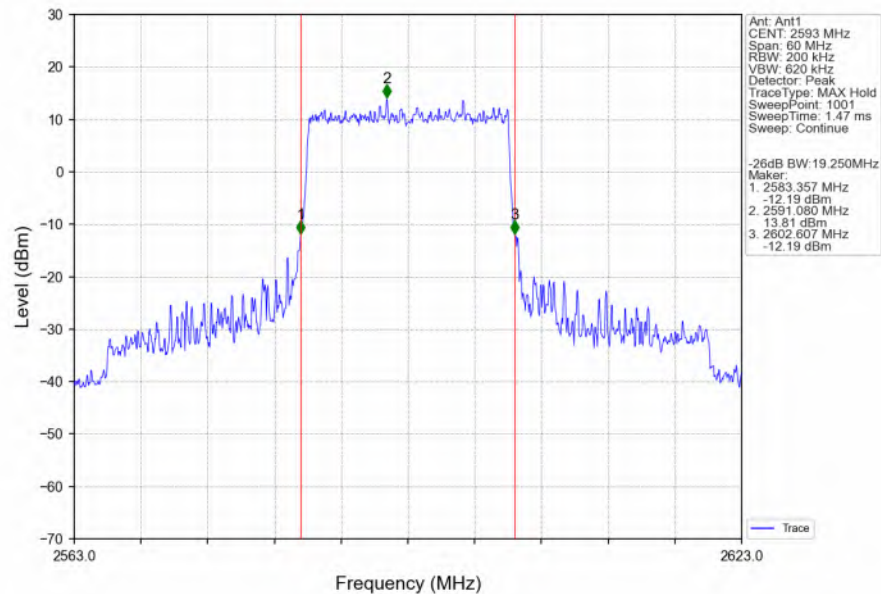
Band41_15MHz_64QAM_MCH_2593MHz_RB_75_0_NTNV



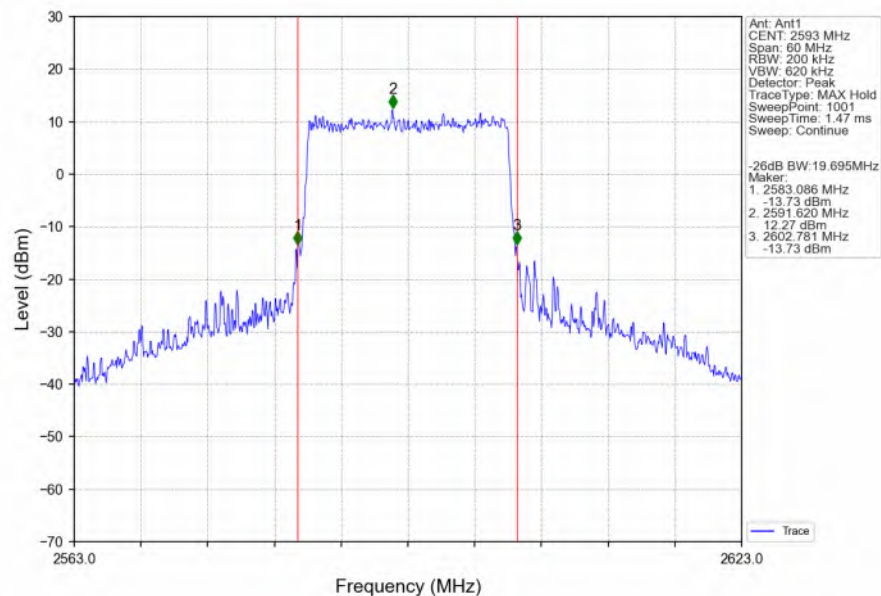
Band41_15MHz_256QAM_MCH_2593MHz_RB_75_0_NTNV



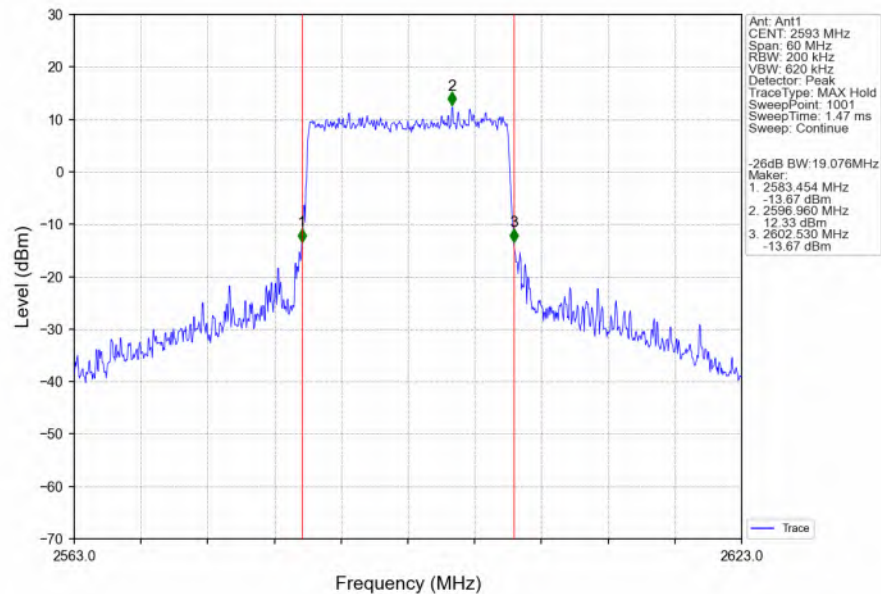
Band41_20MHz_QPSK_MCH_2593MHz_RB_100_0_NTNV



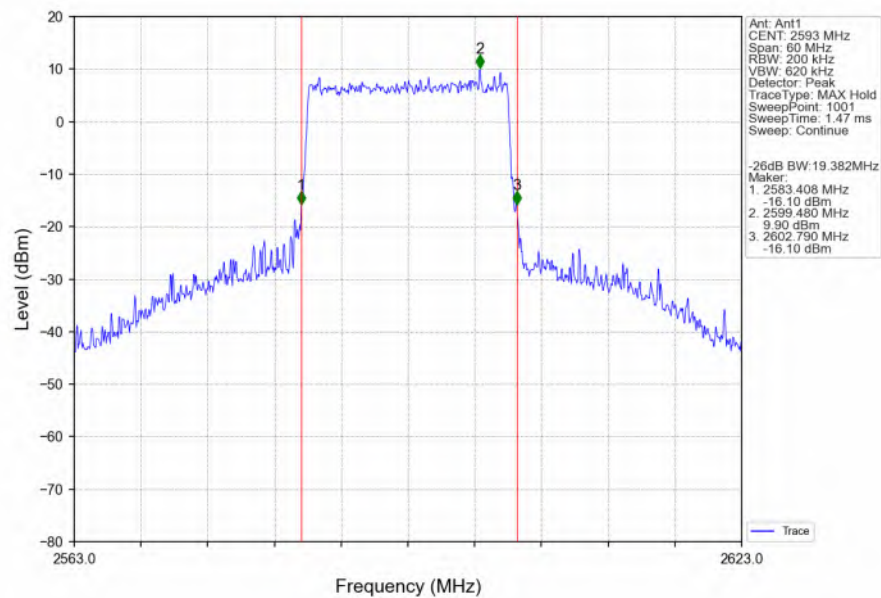
Band41_20MHz_16QAM_MCH_2593MHz_RB_100_0_NTNV



Band41_20MHz_64QAM_MCH_2593MHz_RB_100_0_NTNV



Band41_20MHz_256QAM_MCH_2593MHz_RB_100_0_NTNV





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4. Peak-Average Ratio

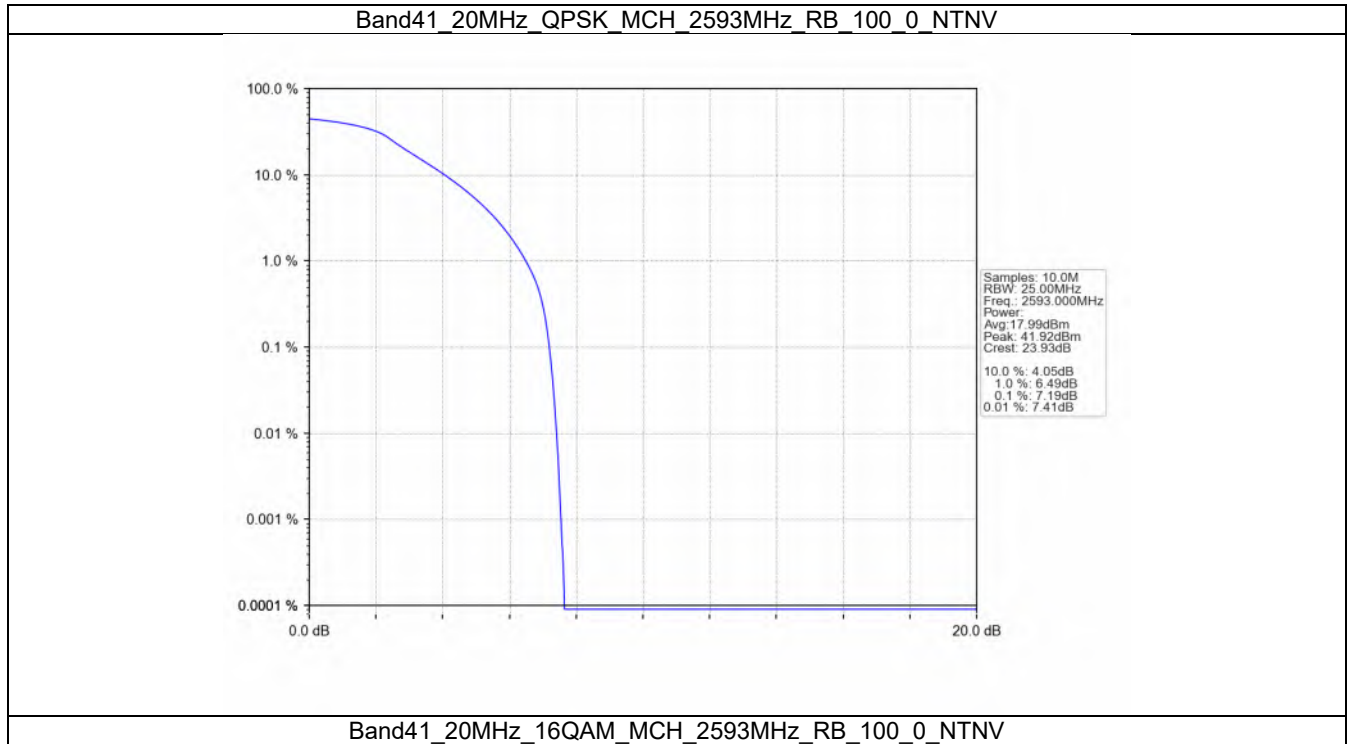
4.1 Test Result

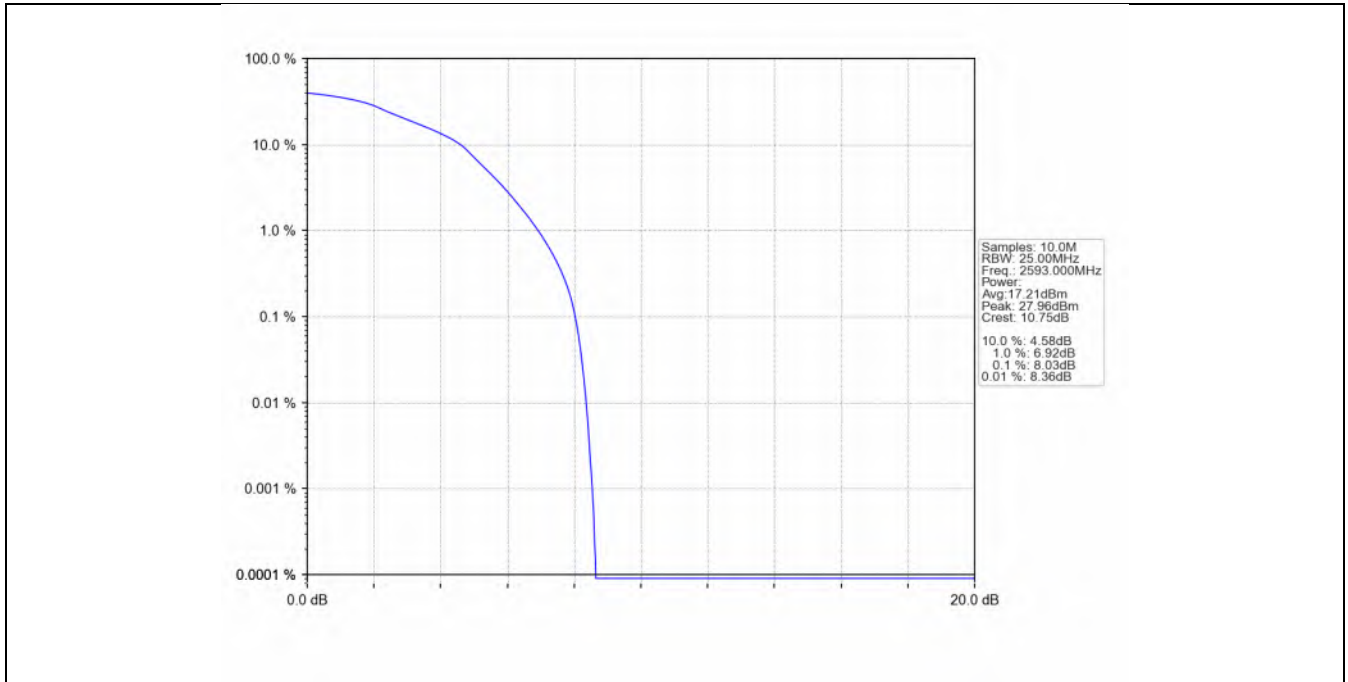
4.1.1 B41_20MHz

Band: 41 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2593	100	0	7.19	<=13	Pass
16QAM	2593	100	0	8.03	<=13	Pass
64QAM	2593	100	0	8.41	<=13	Pass
256QAM	2593	100	0	8.73	<=13	Pass

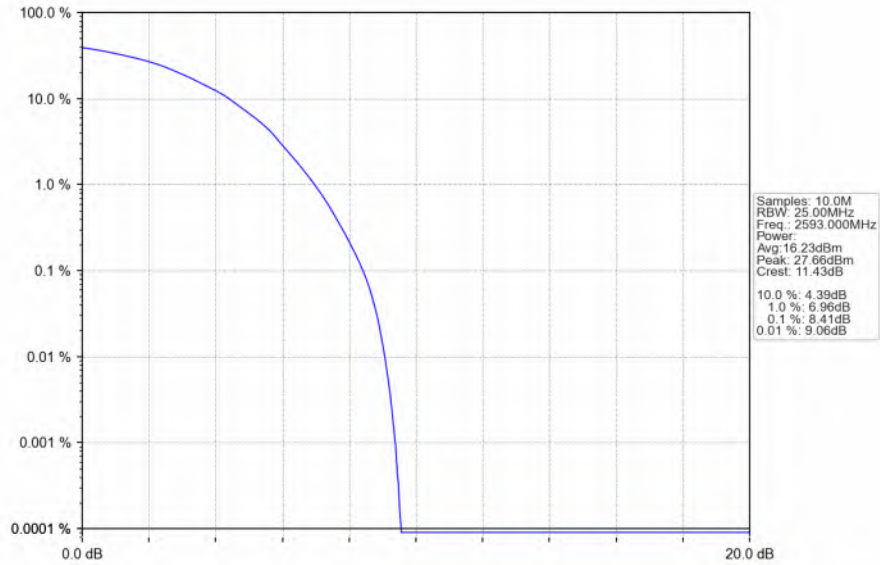
4.2 Test Graph

4.2.1 B41_20MHz

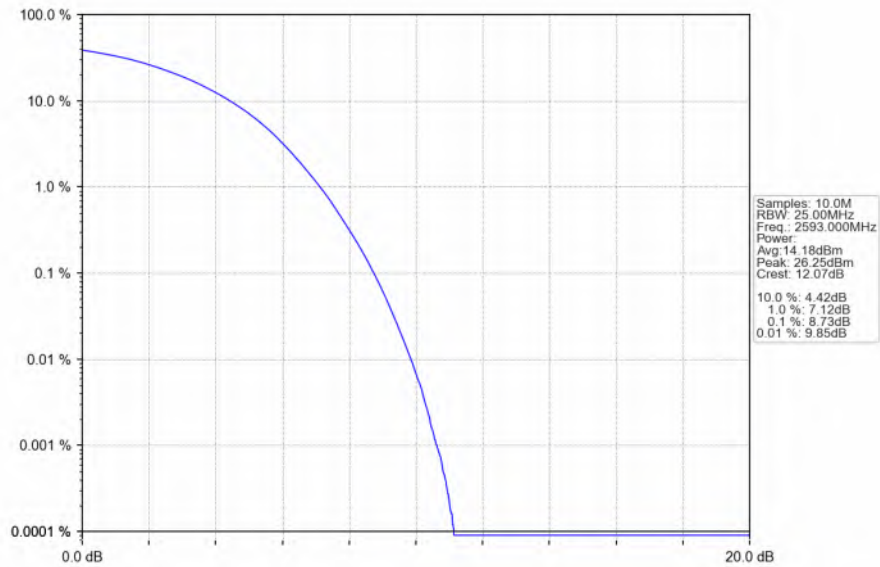




Band41_20MHz_64QAM_MCH_2593MHz_RB_100_0_NTNV



Band41_20MHz_256QAM_MCH_2593MHz_RB_100_0_NTNV





5. Spurious Emission

5.1 Test Result

5.1.1 B41_5MHz

Band: 41 / Bandwidth: 5MHz / NTNV					
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission	
		Size	Offset	Result	Limit
QPSK	2498.5	1	0	Refer To Test Graph	Pass
		25	0	Refer To Test Graph	Pass
	2593	1	0	Refer To Test Graph	Pass
	2687.5	1	0	Refer To Test Graph	Pass
			24	Refer To Test Graph	Pass
		25	0	Refer To Test Graph	Pass

5.1.2 B41_10MHz

Band: 41 / Bandwidth: 10MHz / NTNV					
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission	
		Size	Offset	Result	Limit
QPSK	2501	1	0	Refer To Test Graph	Pass
		50	0	Refer To Test Graph	Pass
	2593	1	0	Refer To Test Graph	Pass
	2685	1	0	Refer To Test Graph	Pass
			49	Refer To Test Graph	Pass
		50	0	Refer To Test Graph	Pass

5.1.3 B41_15MHz

Band: 41 / Bandwidth: 15MHz / NTNV					
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission	
		Size	Offset	Result	Limit
QPSK	2503.5	1	0	Refer To Test Graph	Pass
		75	0	Refer To Test Graph	Pass
	2593	1	0	Refer To Test Graph	Pass
	2682.5	1	0	Refer To Test Graph	Pass
			74	Refer To Test Graph	Pass
		75	0	Refer To Test Graph	Pass

5.1.4 B41_20MHz

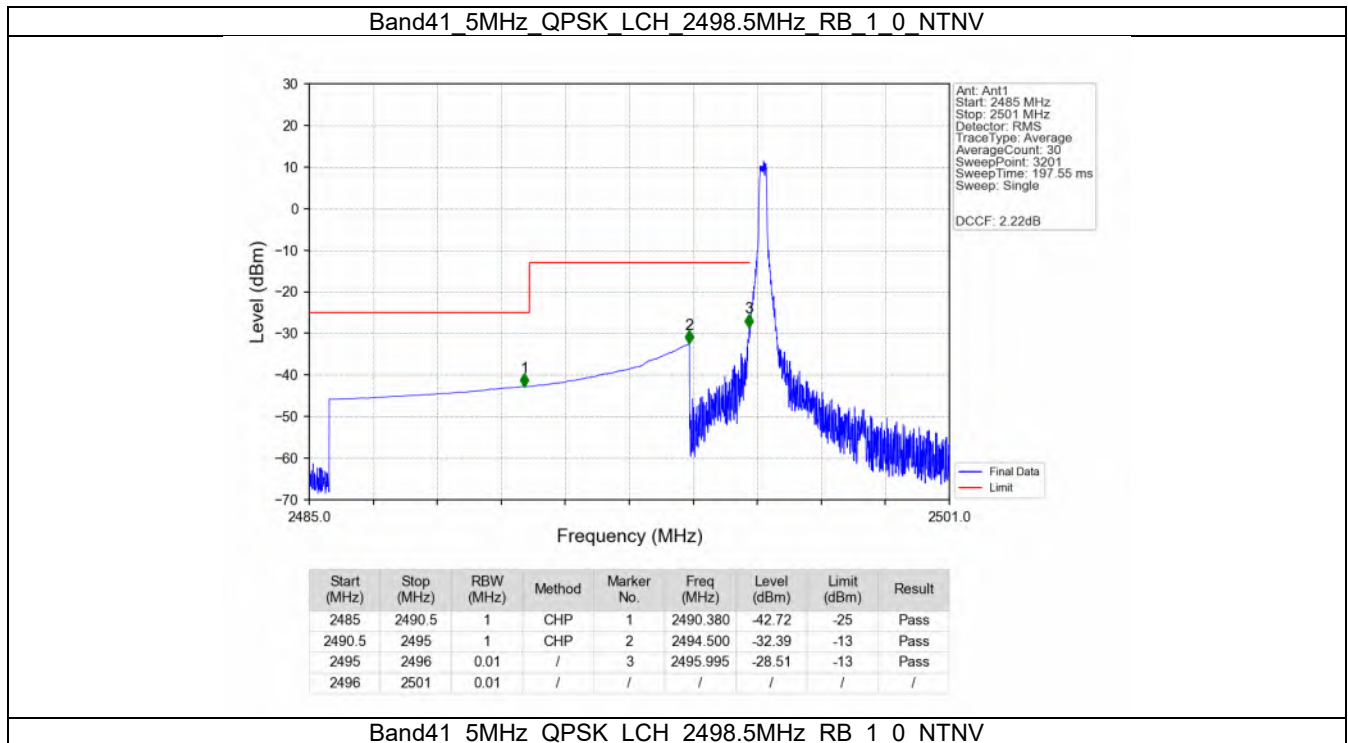
Band: 41 / Bandwidth: 20MHz / NTNV				
Modulation	Frequency	RB Allocation	Spurious Emission	Verdict

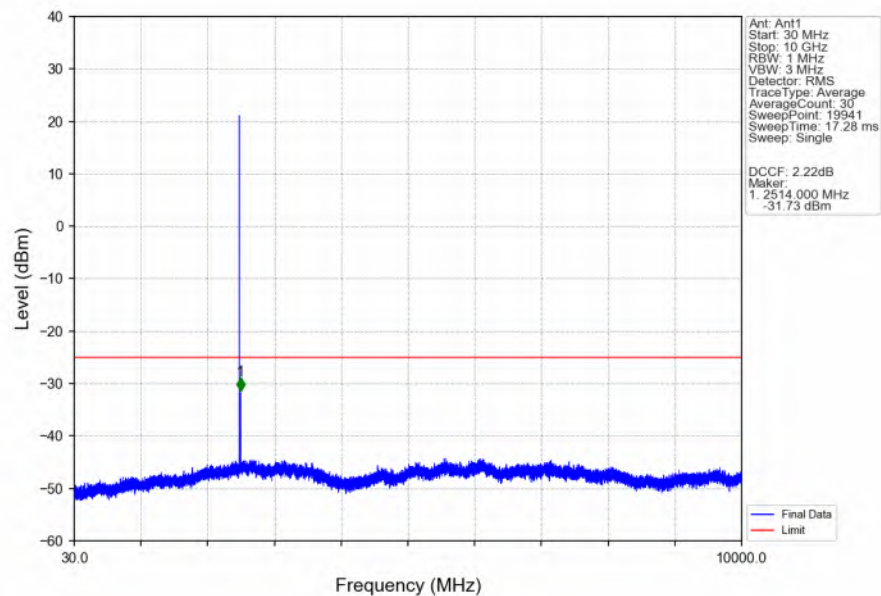


	(MHz)	Size	Offset	Result	Limit	
QPSK	2506	1	0	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	2593	1	0	Refer To Test Graph		Pass
	2680	1	0	Refer To Test Graph		Pass
			99	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass

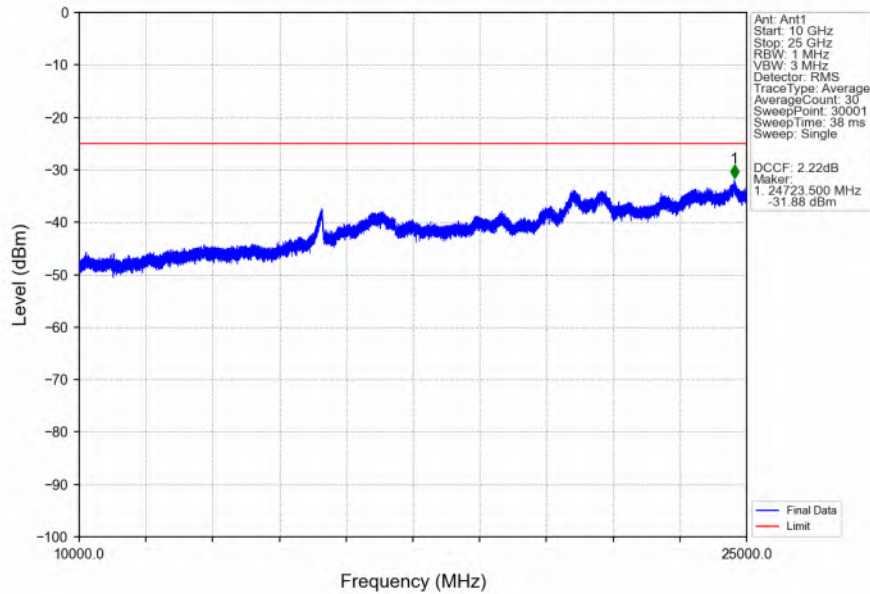
5.2 Test Graph

5.2.1 B41_5MHz

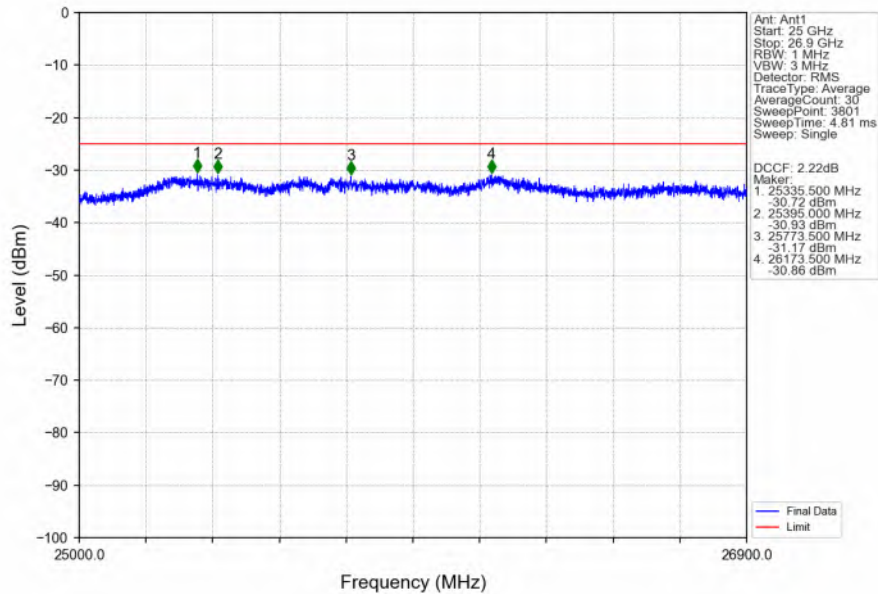




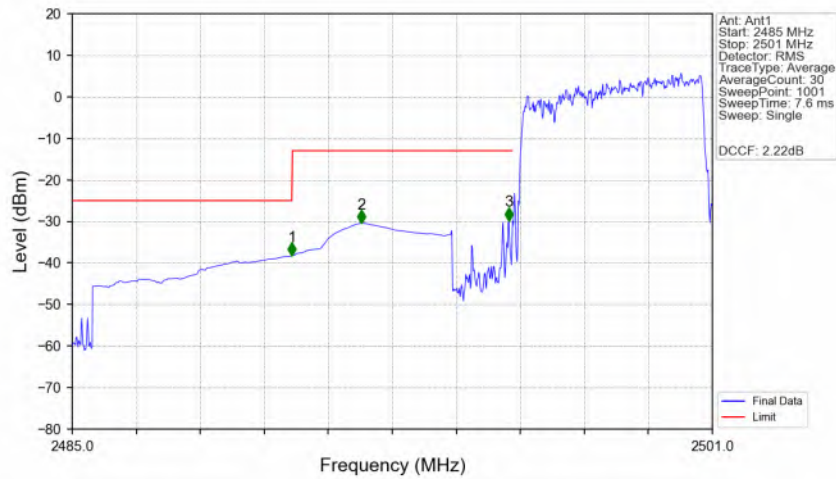
Band41_5MHz_QPSK_LCH_2498.5MHz_RB_1_0_NTNV



Band41_5MHz_QPSK_LCH_2498.5MHz_RB_1_0_NTNV

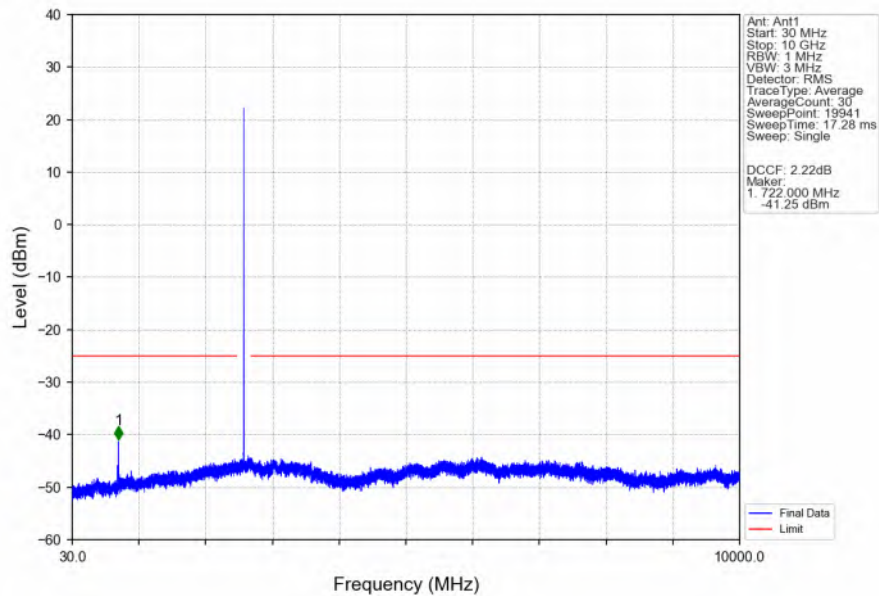


Band41_5MHz_QPSK_LCH_2498.5MHz_RB_25_0_NTNV

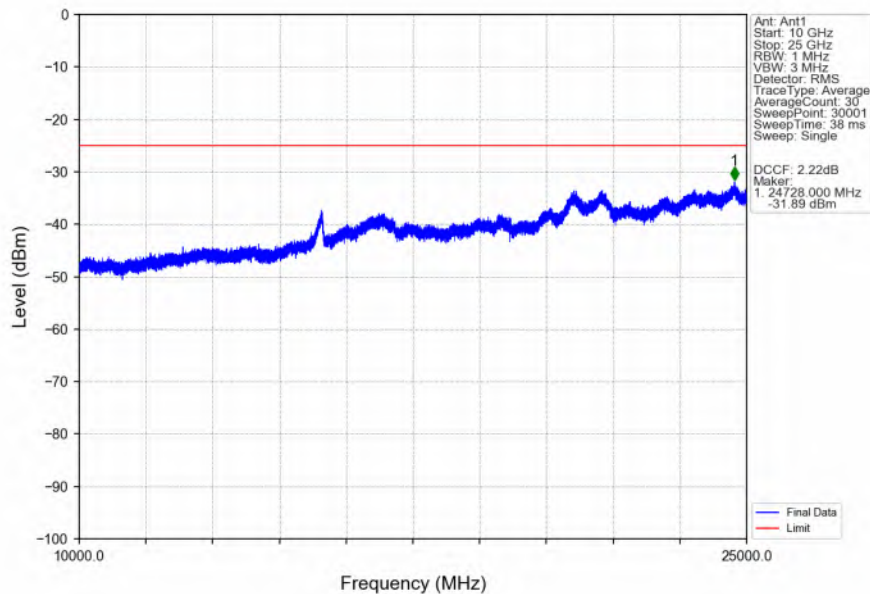


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2490.488	-38.22	-25	Pass
2490.5	2495	1	CHP	2	2492.232	-30.42	-13	Pass
2495	2496	0.051	/	3	2495.912	-29.76	-13	Pass
2496	2501	0.051	/	/	/	/	/	/

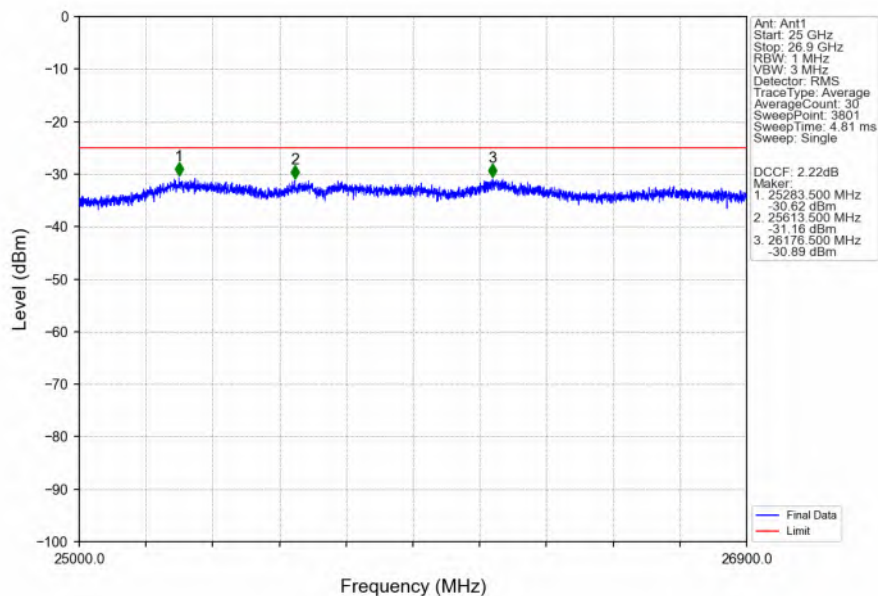
Band41_5MHz_QPSK_MCH_2593MHz_RB_1_0_NTNV



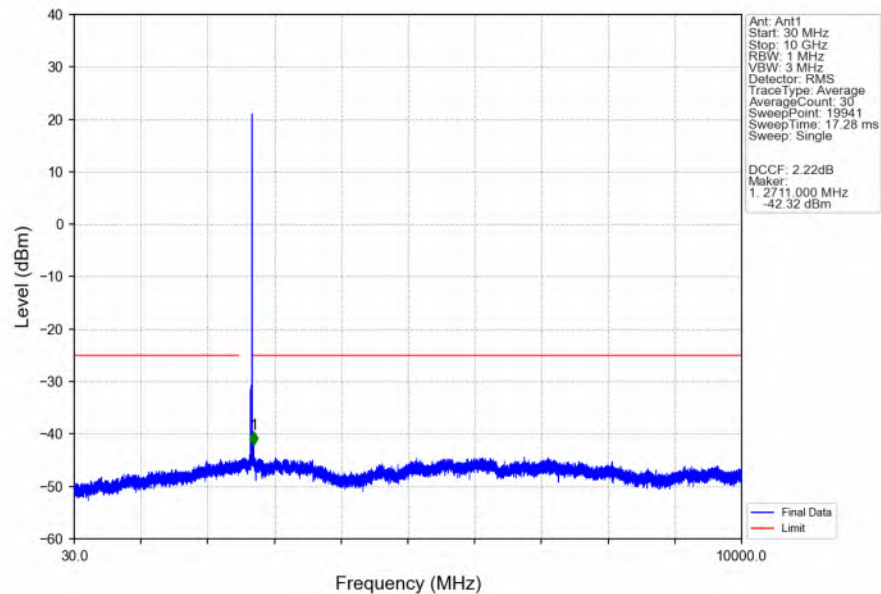
Band41_5MHz_QPSK_MCH_2593MHz_RB_1_0_NTNV



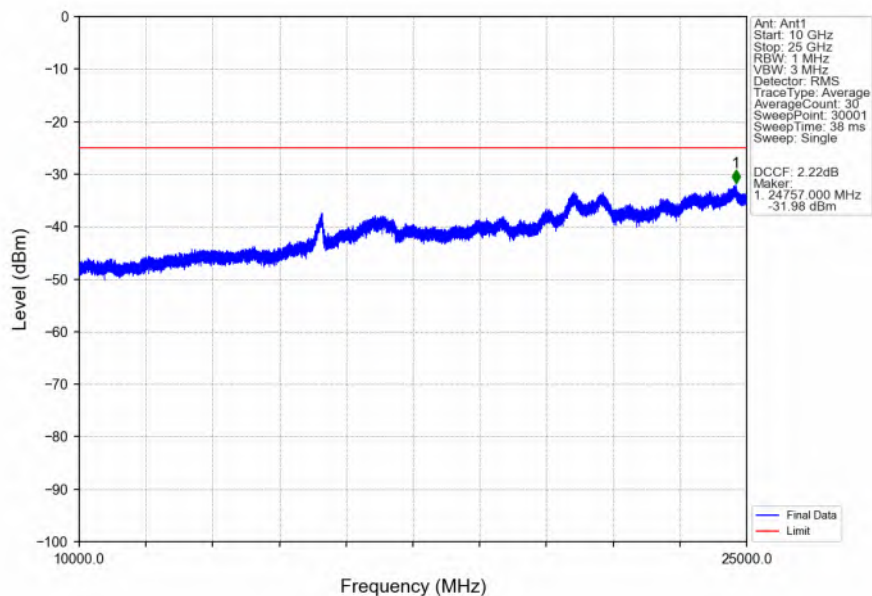
Band41_5MHz_QPSK_MCH_2593MHz_RB_1_0_NTNV



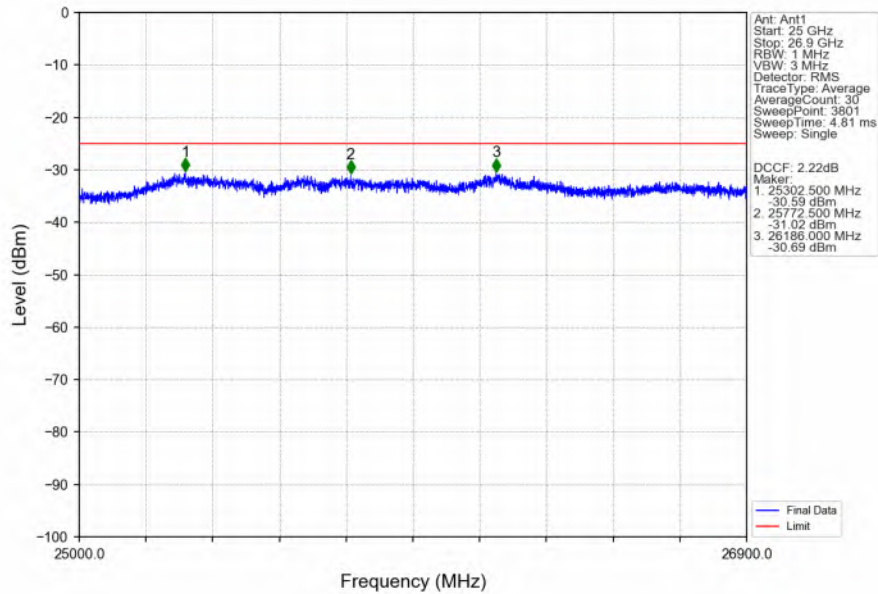
Band41_5MHz_QPSK_HCH_2687.5MHz_RB_1_0_NTNV



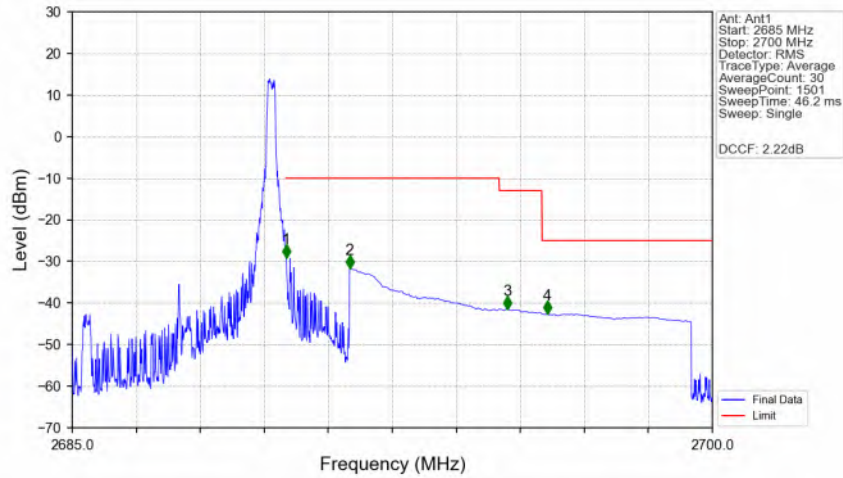
Band41_5MHz_QPSK_HCH_2687.5MHz_RB_1_0_NTNV



Band41_5MHz_QPSK_HCH_2687.5MHz_RB_1_0_NTNV

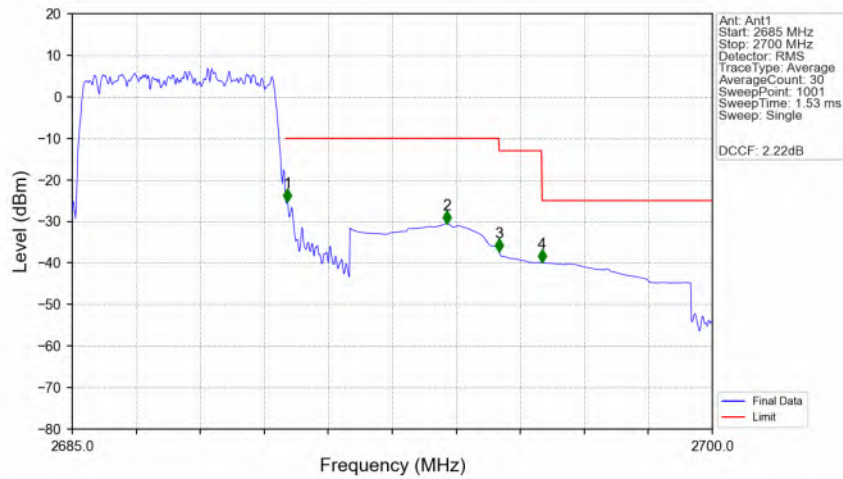


Band41_5MHz_QPSK_HCH_2687.5MHz_RB_1_24_NTNV



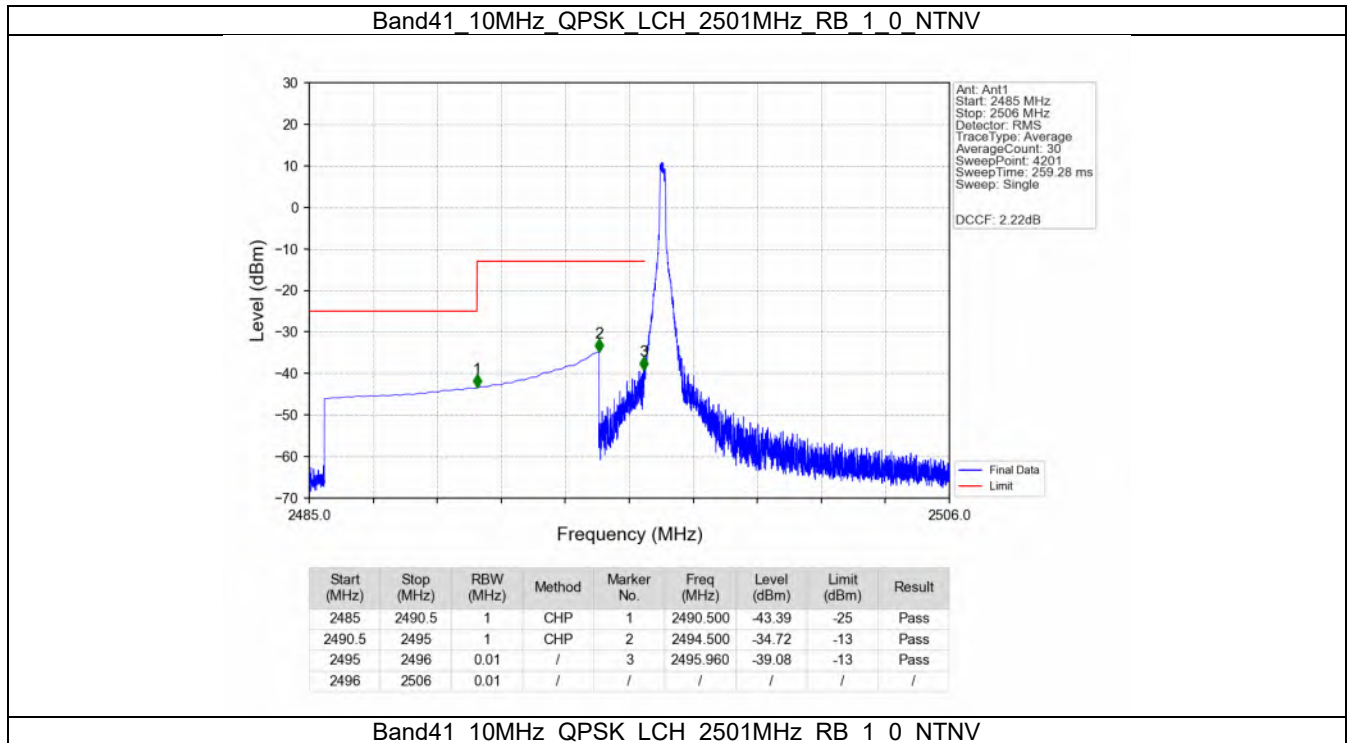
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2685	2690	0.02	/	/	/	/	/	/
2690	2691	0.02	/	1	2690.010	-29.15	-10	Pass
2691	2695	1	CHP	2	2691.500	-31.66	-10	Pass
2695	2696	1	CHP	3	2695.200	-41.47	-13	Pass
2696	2700	1	CHP	4	2696.130	-42.56	-25	Pass

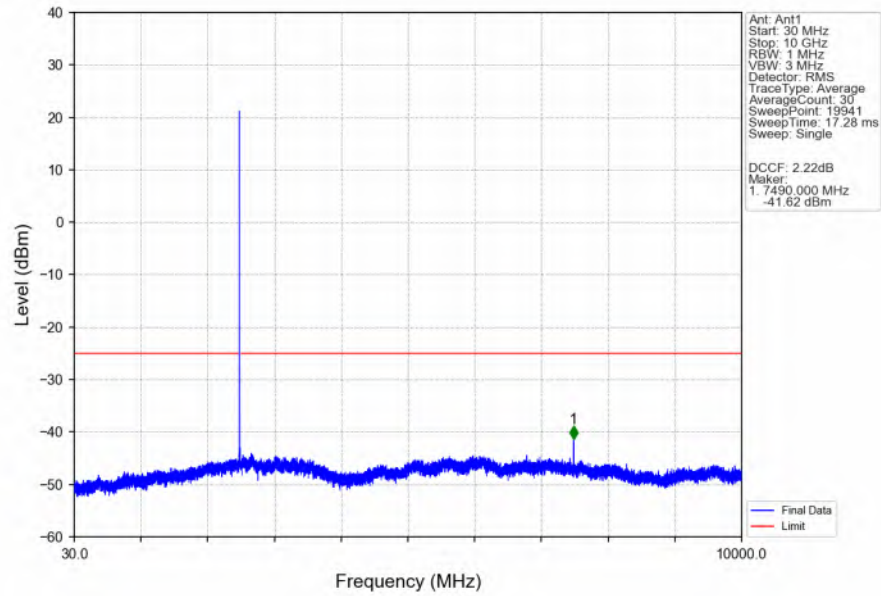
Band41_5MHz_QPSK_HCH_2687.5MHz_RB_25_0_NTNV



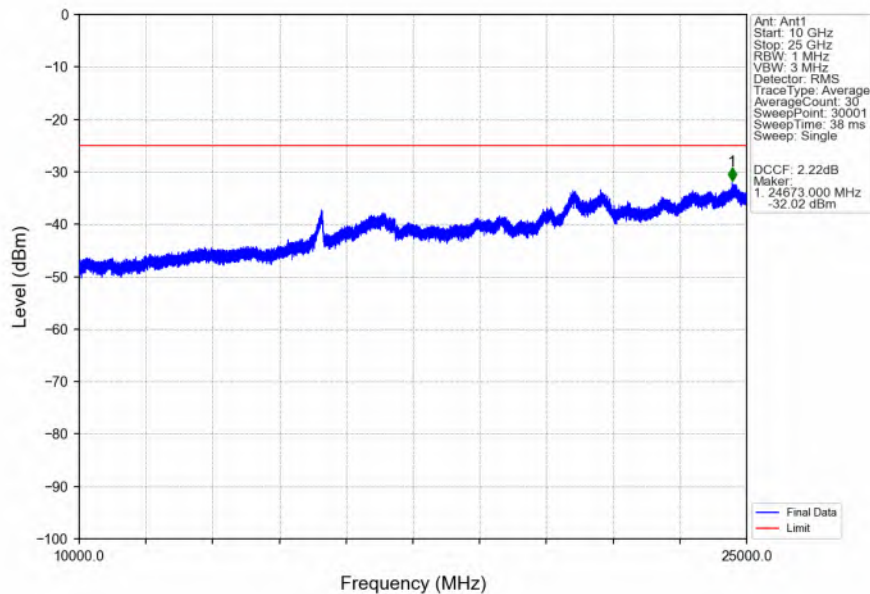
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2685	2690	0.11	/	/	/	/	/	/
2690	2691	0.11	/	1	2690.040	-25.28	-10	Pass
2691	2695	1	CHP	2	2693.775	-30.52	-10	Pass
2695	2696	1	CHP	3	2695.005	-37.38	-13	Pass
2696	2700	1	CHP	4	2696.010	-39.94	-25	Pass

5.2.2 B41_10MHz

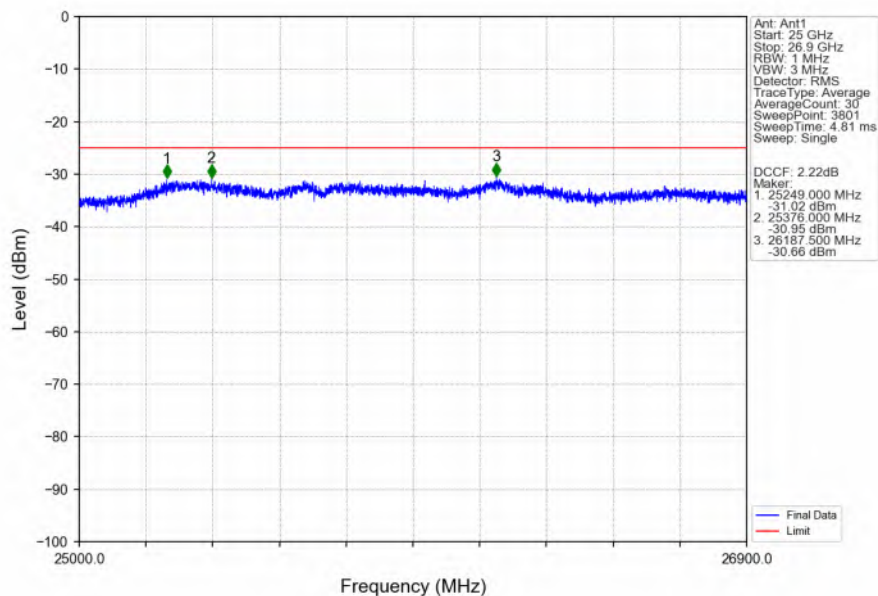




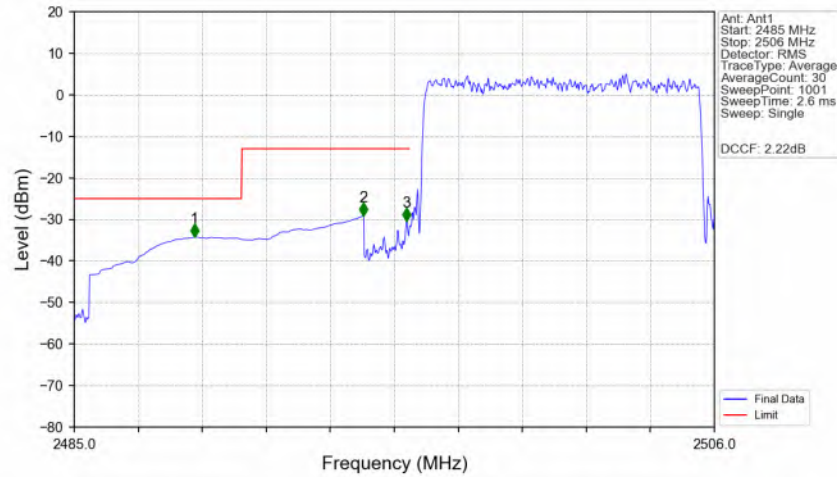
Band41_10MHz_QPSK_LCH_2501MHz_RB_1_0_NTNV



Band41_10MHz_QPSK_LCH_2501MHz_RB_1_0_NTNV

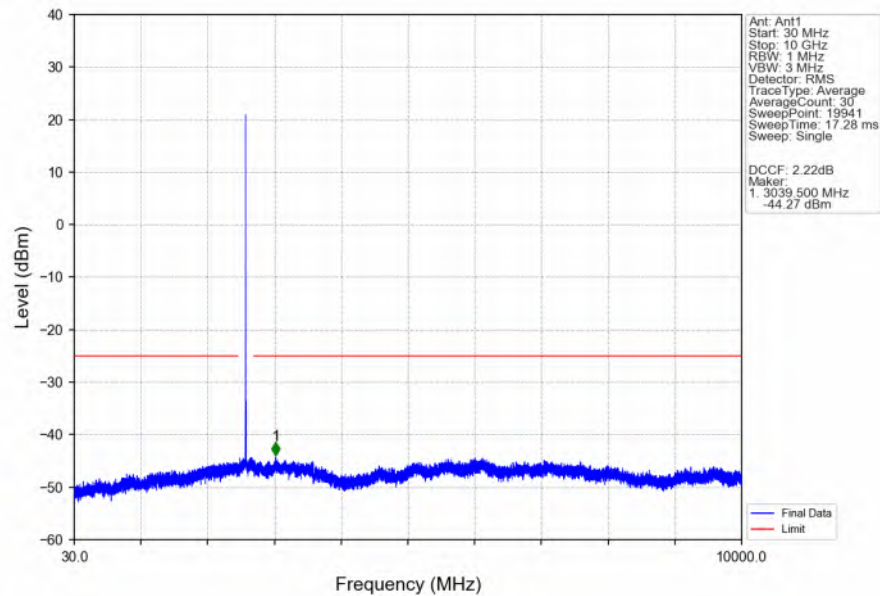


Band41_10MHz_QPSK_LCH_2501MHz_RB_50_0_NTNV

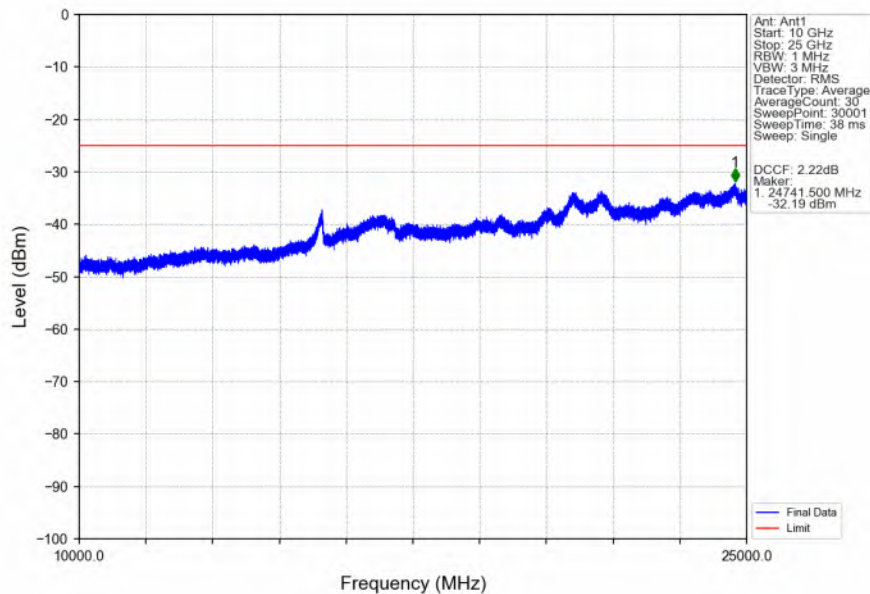


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2488.948	-34.27	-25	Pass
2490.5	2495	1	CHP	2	2494.492	-29.18	-13	Pass
2495	2496	0.1	/	3	2495.899	-30.37	-13	Pass
2496	2506	0.1	/	/	/	/	/	/

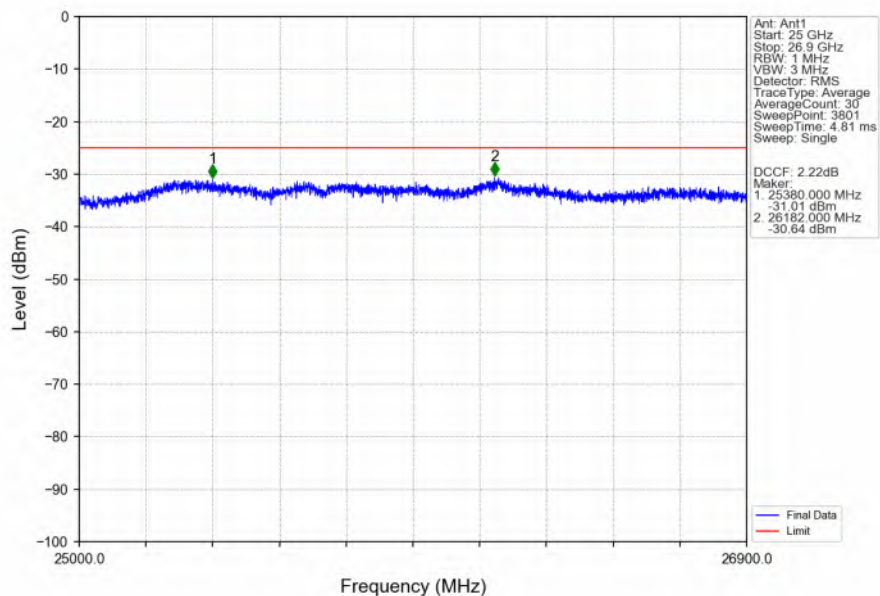
Band41_10MHz_QPSK_MCH_2593MHz_RB_1_0_NTNV



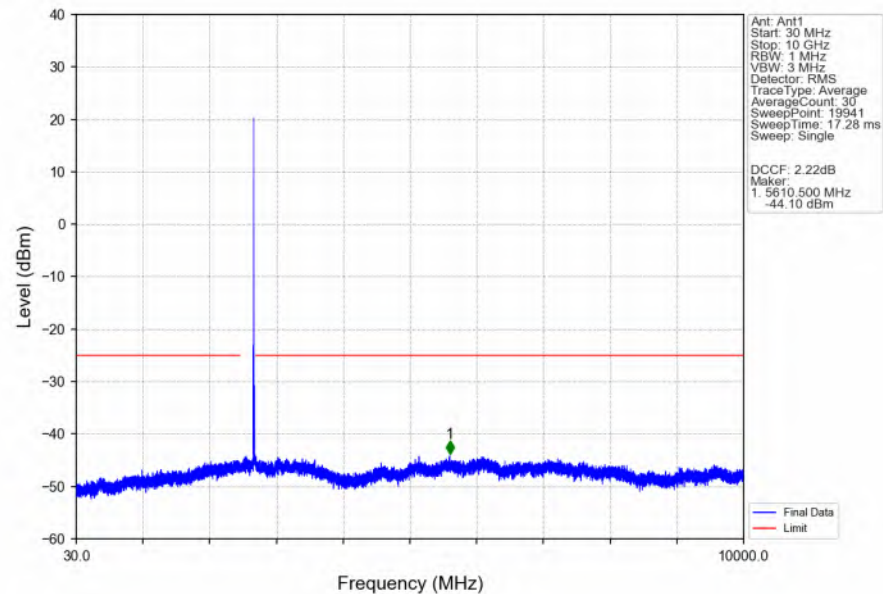
Band41_10MHz_QPSK_MCH_2593MHz_RB_1_0_NTNV



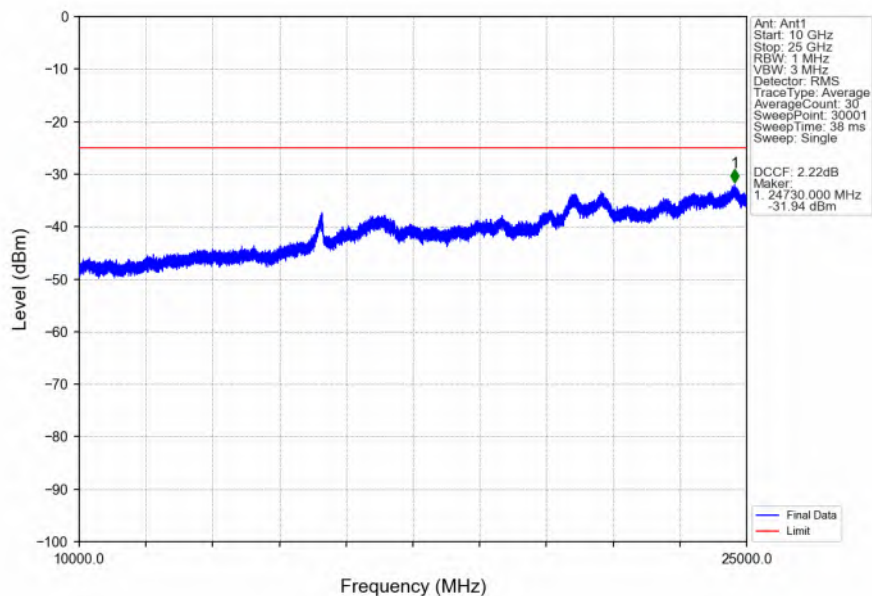
Band41_10MHz_QPSK_MCH_2593MHz_RB_1_0_NTNV



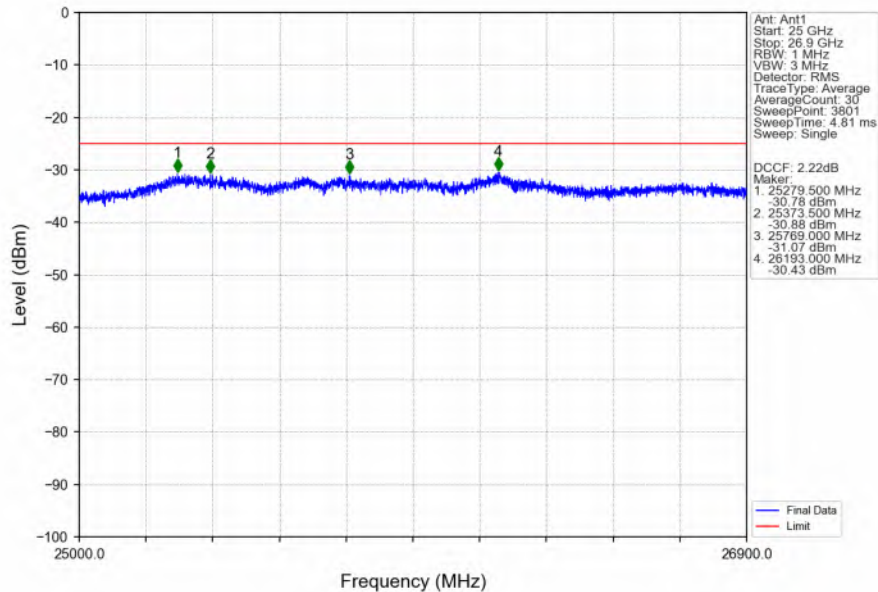
Band41_10MHz_QPSK_HCH_2685MHz_RB_1_0_NTNV



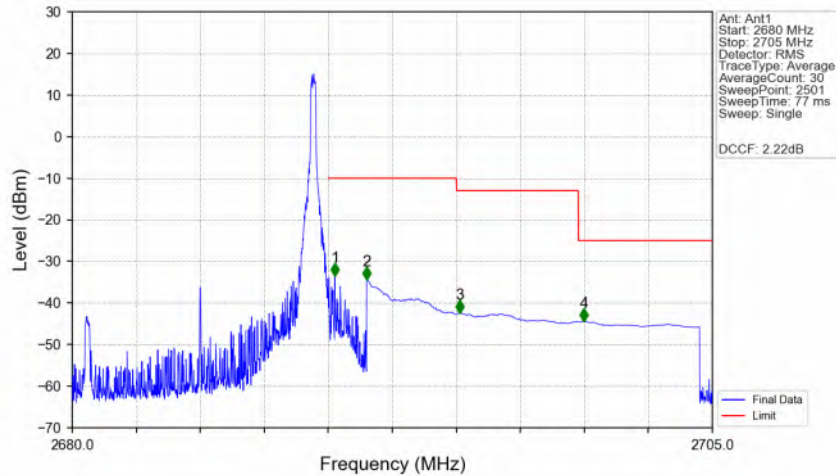
Band41_10MHz_QPSK_HCH_2685MHz_RB_1_0_NTNV



Band41_10MHz_QPSK_HCH_2685MHz_RB_1_0_NTNV

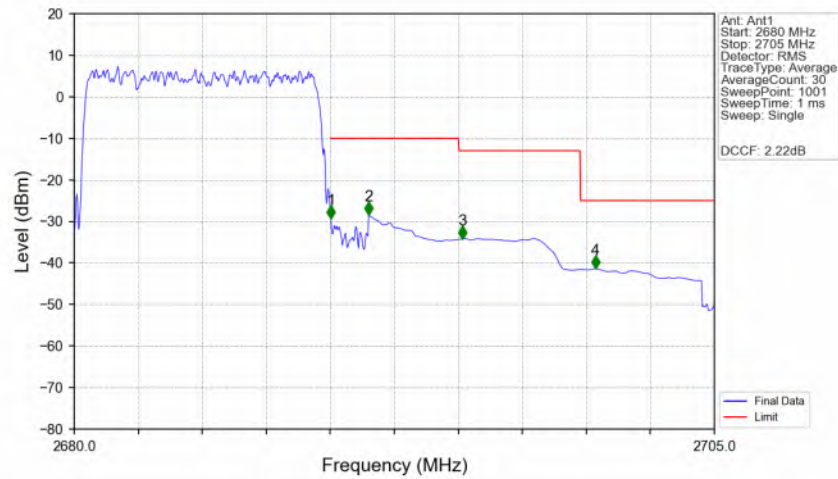


Band41_10MHz_QPSK_HCH_2685MHz_RB_1_49_NTNV



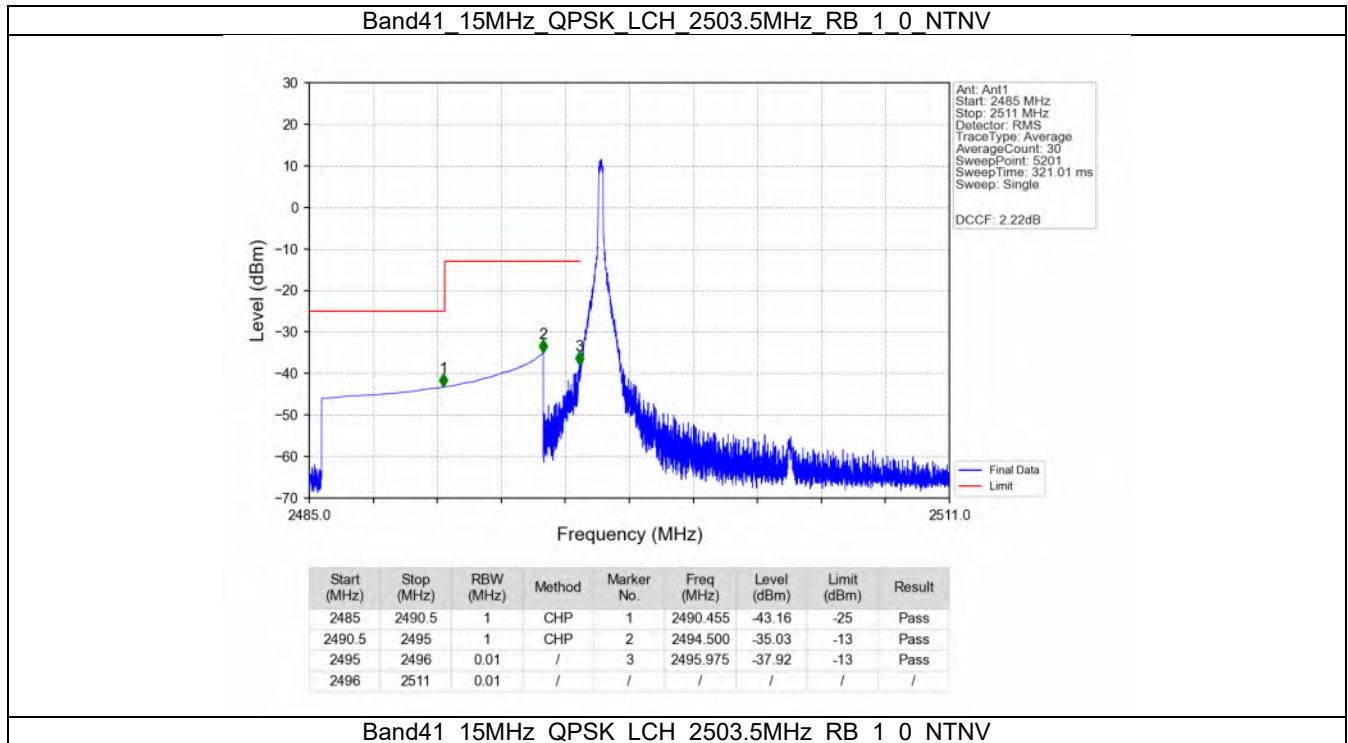
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2680	2690	0.02	/	/	/	/	/	/
2690	2691	0.02	/	1	2690.260	-33.50	-10	Pass
2691	2695	1	CHP	2	2691.500	-34.39	-10	Pass
2695	2699.764	1	CHP	3	2695.130	-42.45	-13	Pass
2699.764	2705	1	CHP	4	2699.990	-44.41	-25	Pass

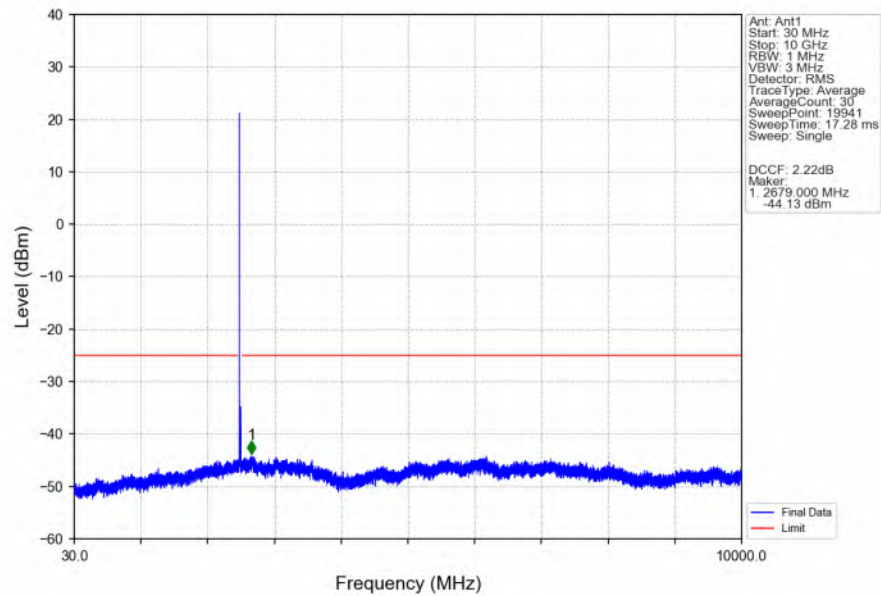
Band41_10MHz_QPSK_HCH_2685MHz_RB_50_0_NTNV



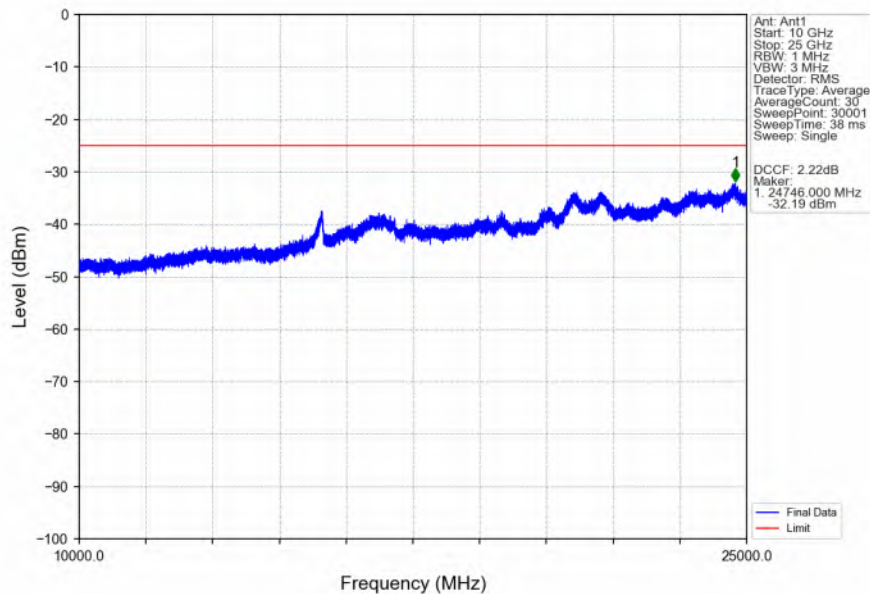
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2680	2690	0.2	/	/	/	/	/	/
2690	2691	0.2	/	1	2690.025	-29.29	-10	Pass
2691	2695	1	CHP	2	2691.500	-28.42	-10	Pass
2695	2699.764	1	CHP	3	2695.150	-34.19	-13	Pass
2699.764	2705	1	CHP	4	2700.350	-41.41	-25	Pass

5.2.3 B41_15MHz

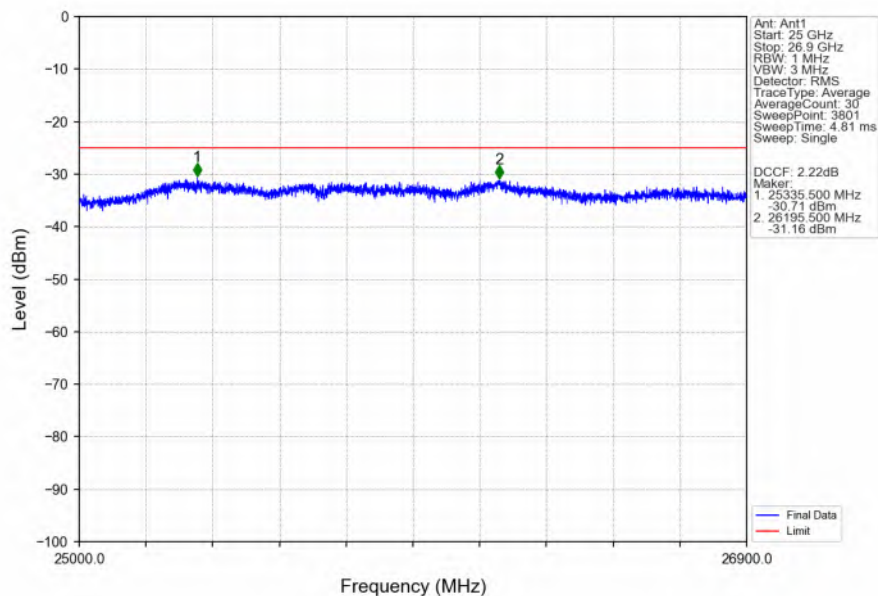




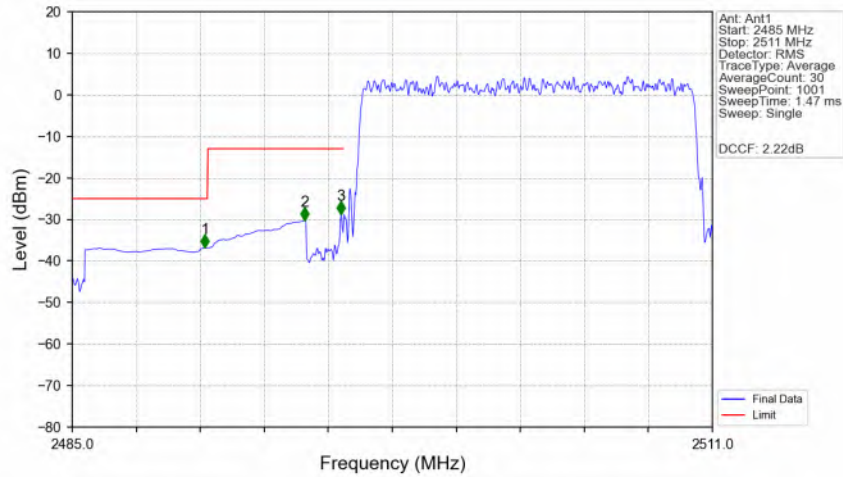
Band41_15MHz_QPSK_LCH_2503.5MHz_RB_1_0_NTNV



Band41_15MHz_QPSK_LCH_2503.5MHz_RB_1_0_NTNV

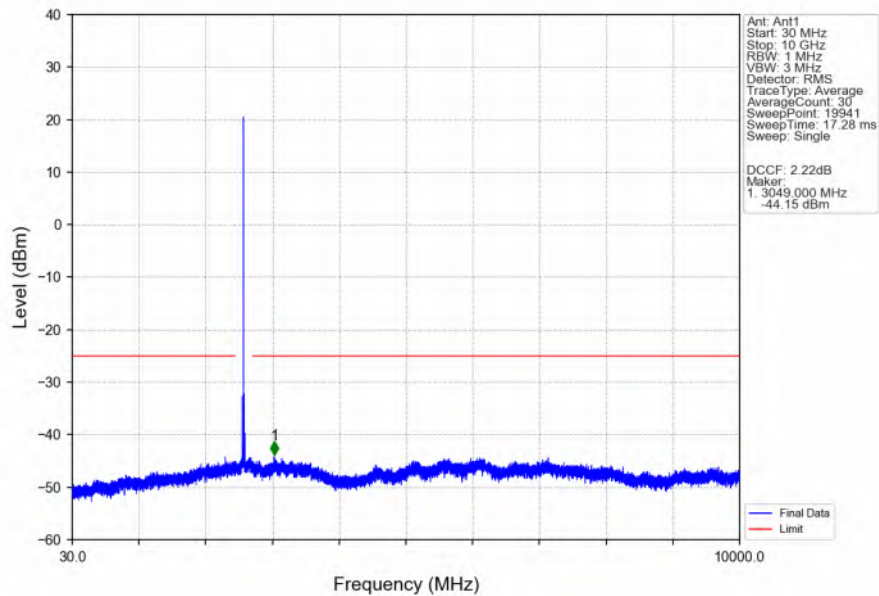


Band41_15MHz_QPSK_LCH_2503.5MHz_RB_75_0_NTNV

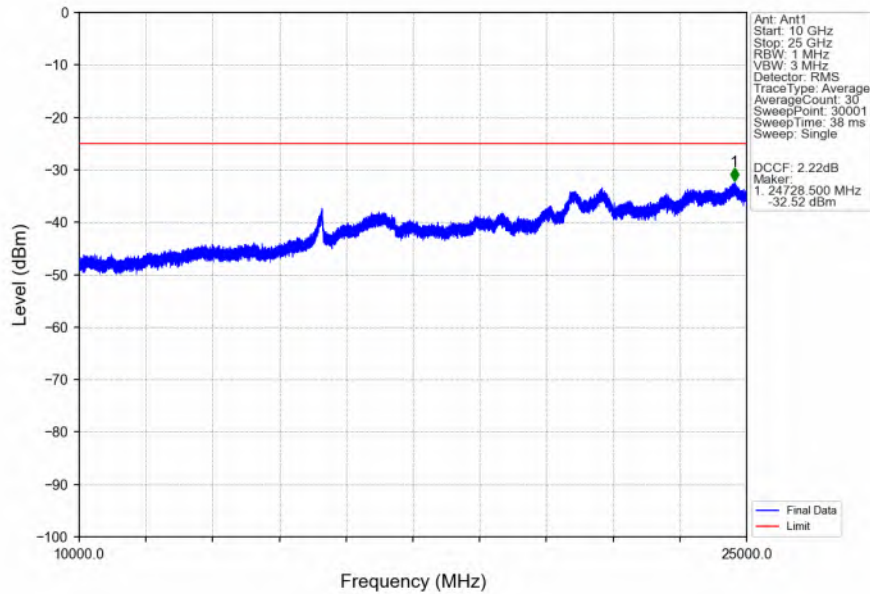


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2490.382	-36.85	-25	Pass
2490.5	2495	1	CHP	2	2494.438	-30.30	-13	Pass
2495	2496	0.15	/	3	2495.920	-28.84	-13	Pass
2496	2511	0.15	/	/	/	/	/	/

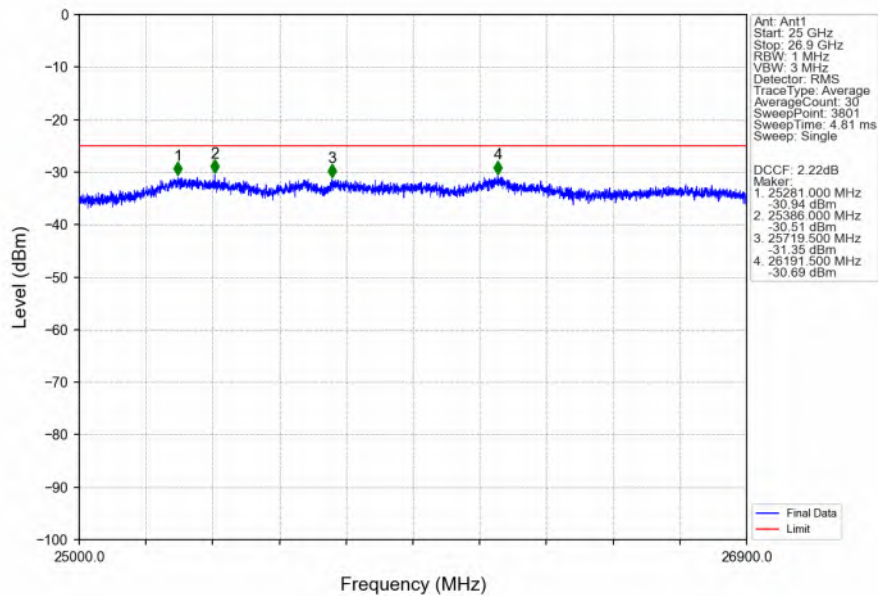
Band41_15MHz_QPSK_MCH_2593MHz_RB_1_0_NTNV



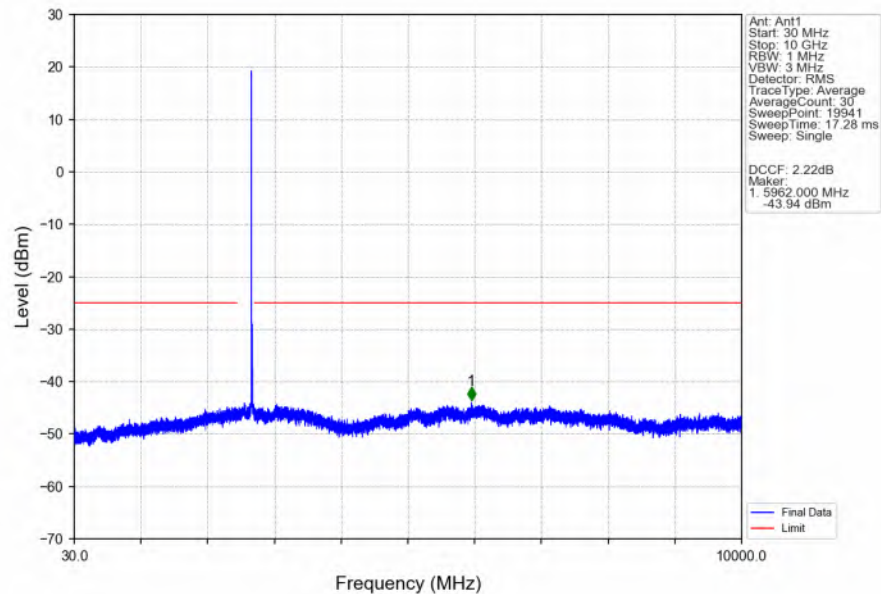
Band41_15MHz_QPSK_MCH_2593MHz_RB_1_0_NTNV



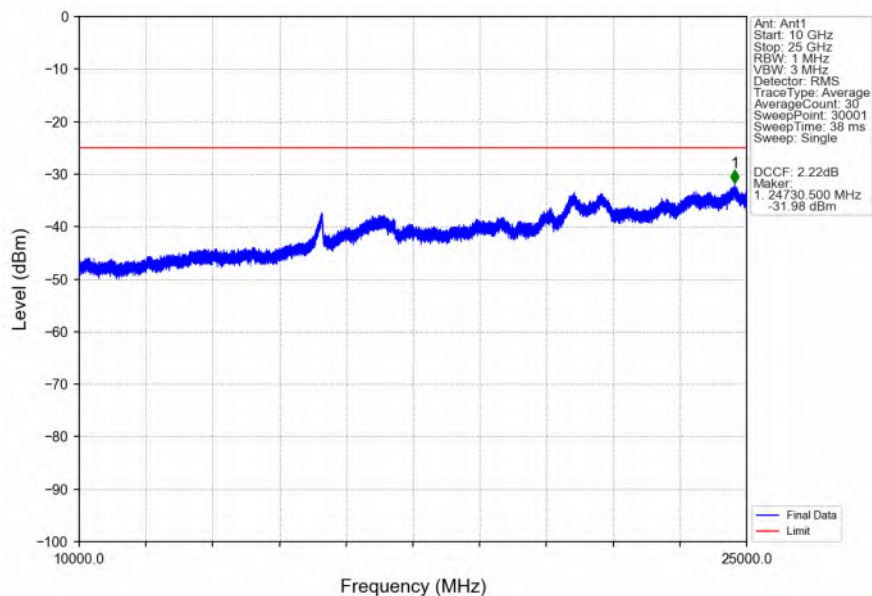
Band41_15MHz_QPSK_MCH_2593MHz_RB_1_0_NTNV



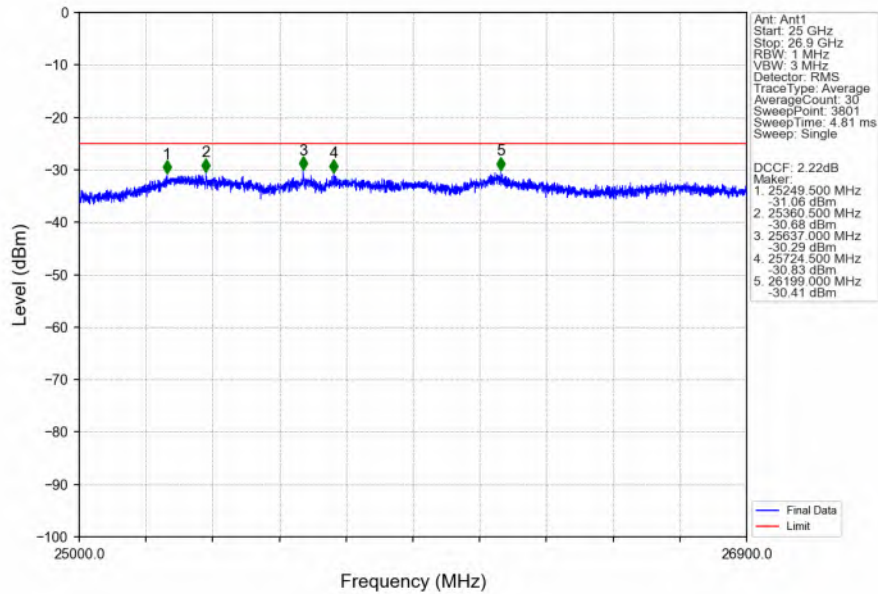
Band41_15MHz_QPSK_HCH_2682.5MHz_RB_1_0_NTNV



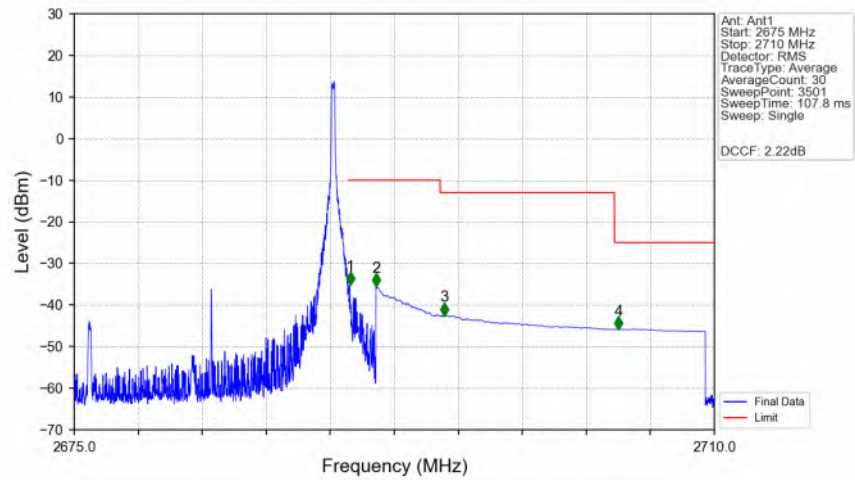
Band41_15MHz_QPSK_HCH_2682.5MHz_RB_1_0_NTNV



Band41_15MHz_QPSK_HCH_2682.5MHz_RB_1_0_NTNV

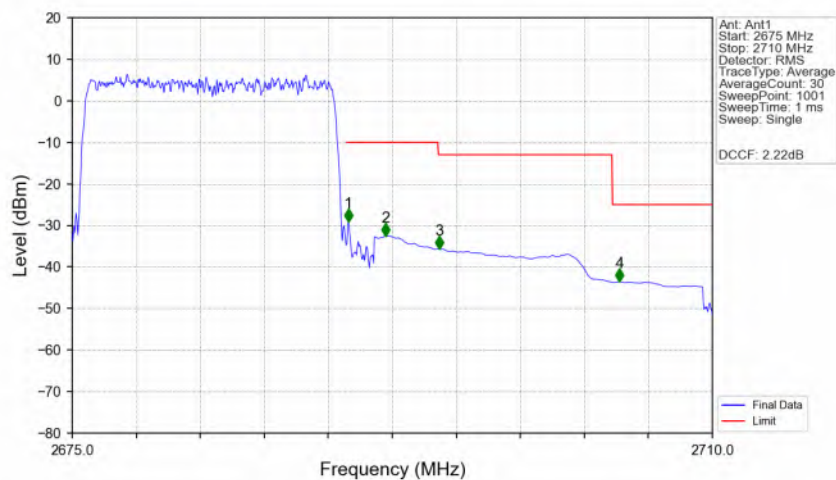


Band41_15MHz_QPSK_HCH_2682.5MHz_RB_1_74_NTNV



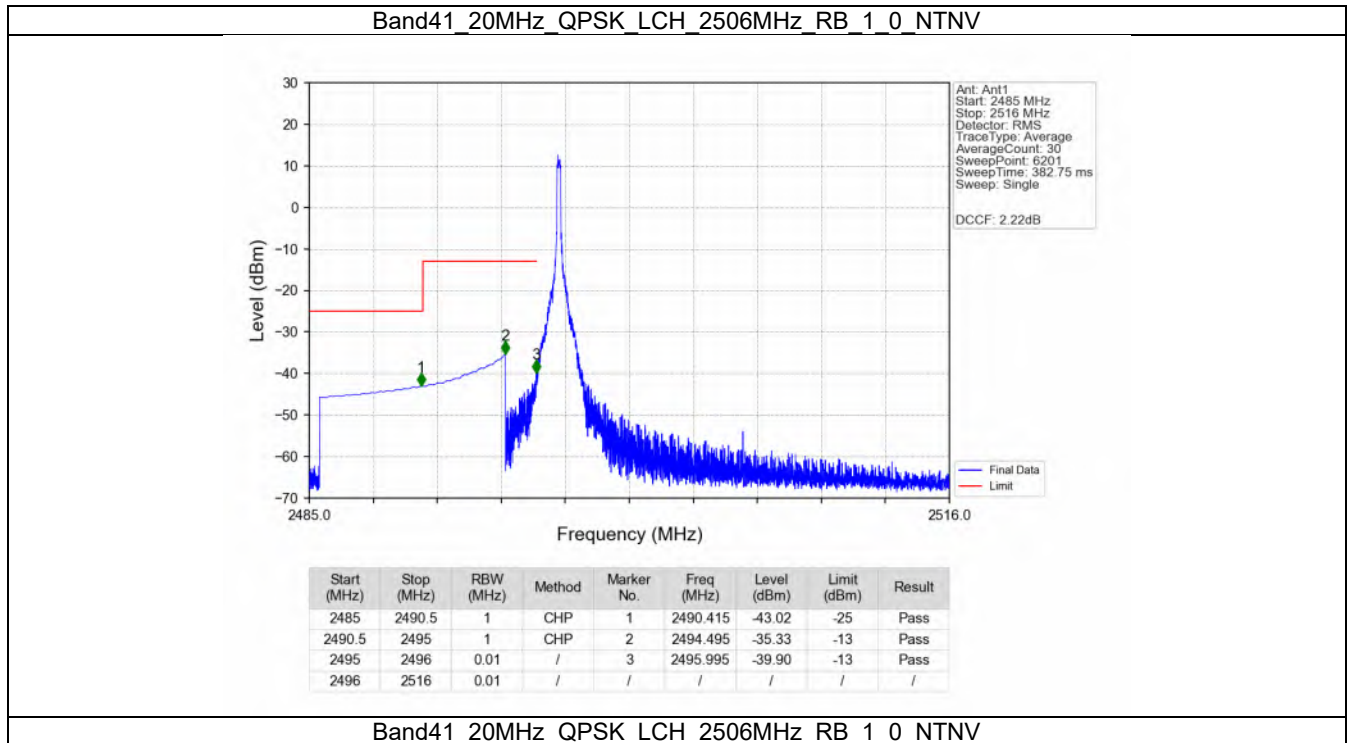
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2675	2690	0.02	/	/	/	/	/	/
2690	2691	0.02	/	1	2690.080	-35.22	-10	Pass
2691	2695	1	CHP	2	2691.500	-35.57	-10	Pass
2695	2704.537	1	CHP	3	2695.250	-42.53	-13	Pass
2704.537	2710	1	CHP	4	2704.760	-45.87	-25	Pass

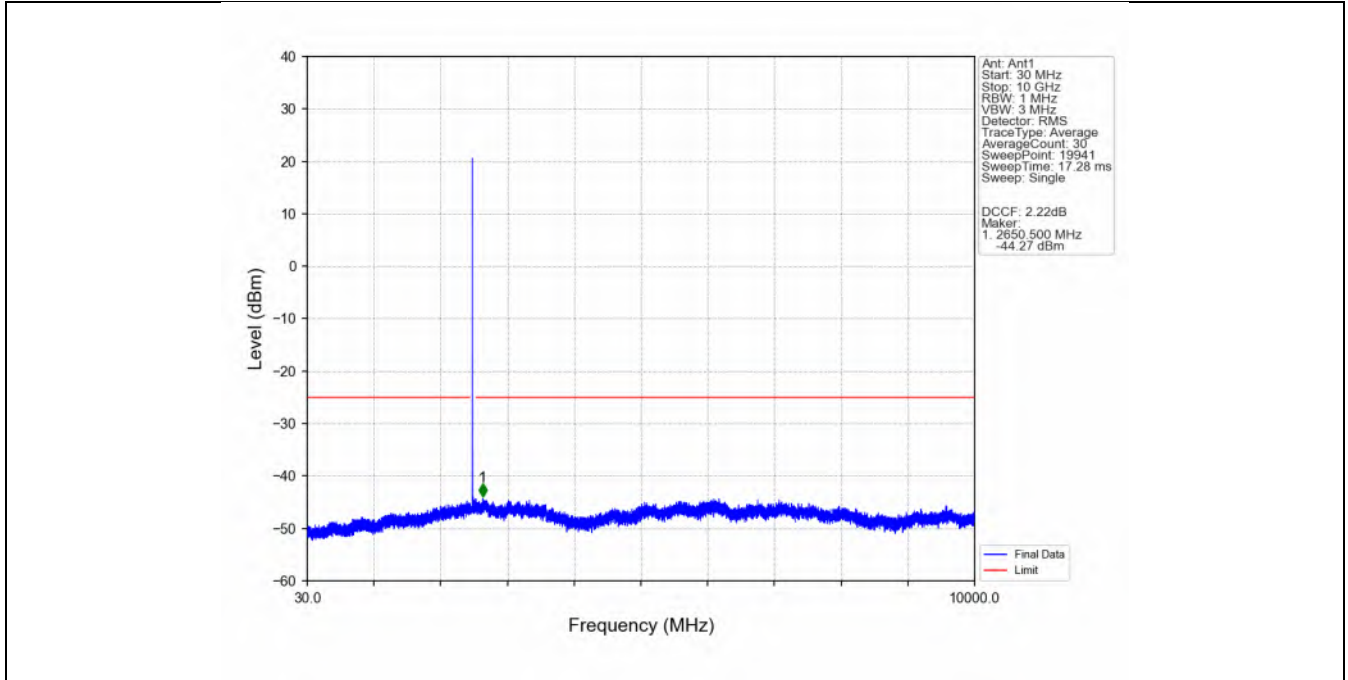
Band41_15MHz_QPSK_HCH_2682.5MHz_RB_75_0_NTNV



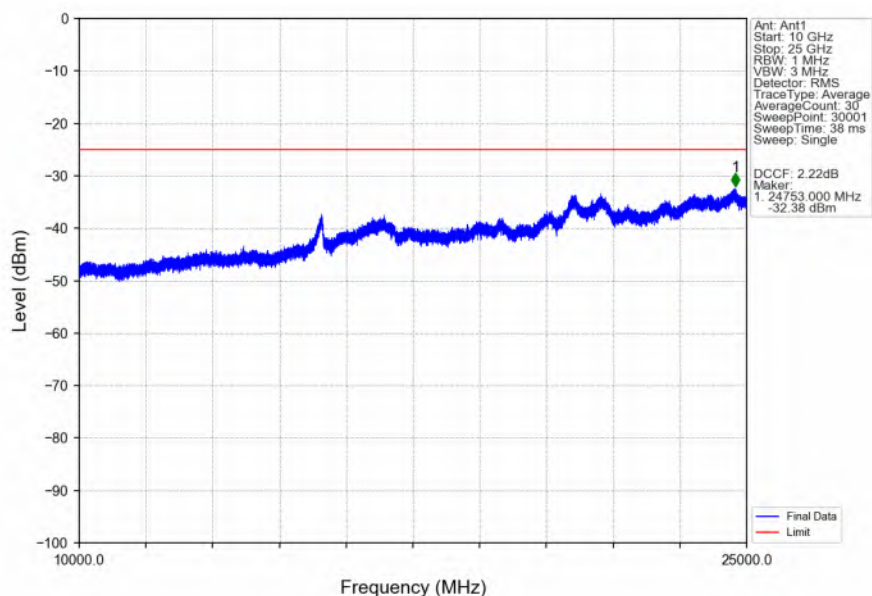
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2675	2690	0.3	/	/	/	/	/	/
2690	2691	0.3	/	1	2690.085	-29.07	-10	Pass
2691	2695	1	CHP	2	2692.115	-32.52	-10	Pass
2695	2704.537	1	CHP	3	2695.055	-35.62	-13	Pass
2704.537	2710	1	CHP	4	2704.925	-43.52	-25	Pass

5.2.4 B41_20MHz

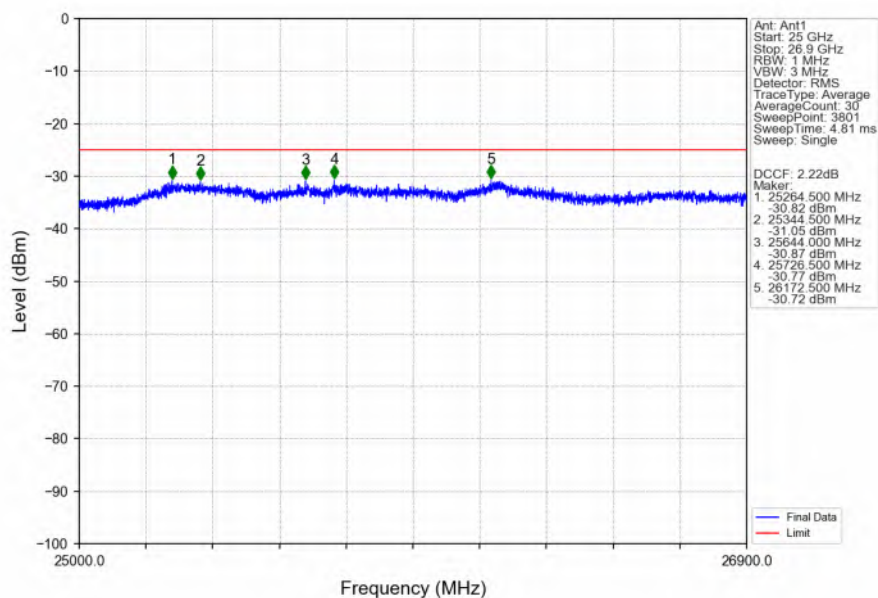




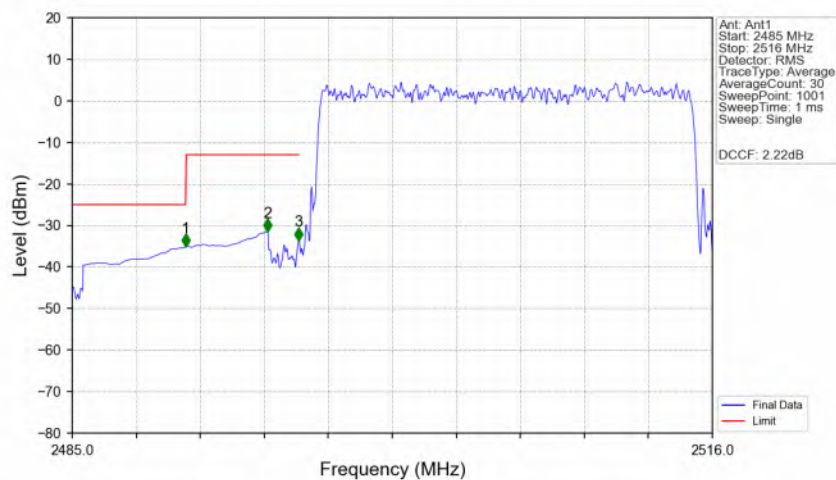
Band41_20MHz_QPSK_LCH_2506MHz_RB_1_0_NTNV



Band41_20MHz_QPSK_LCH_2506MHz_RB_1_0_NTNV

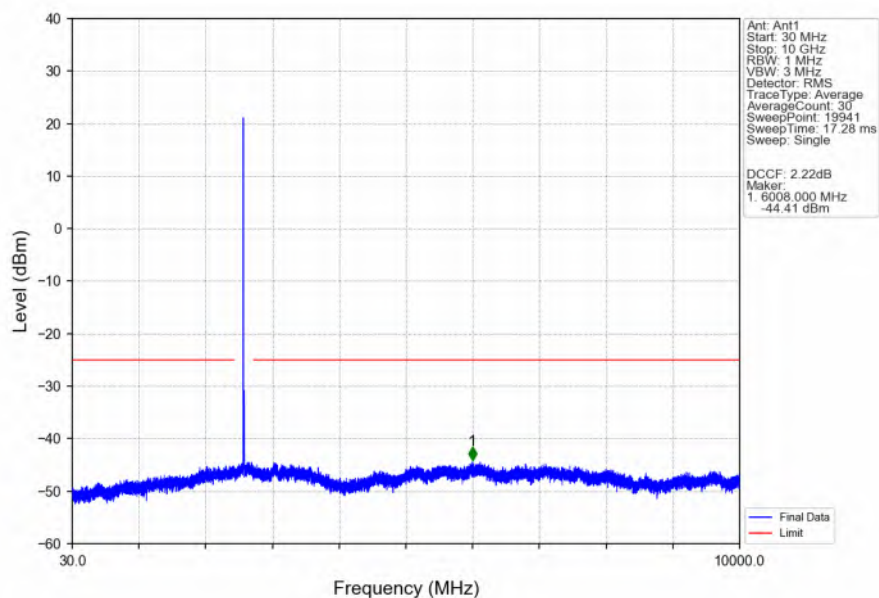


Band41_20MHz_QPSK_LCH_2506MHz_RB_100_0_NTNV

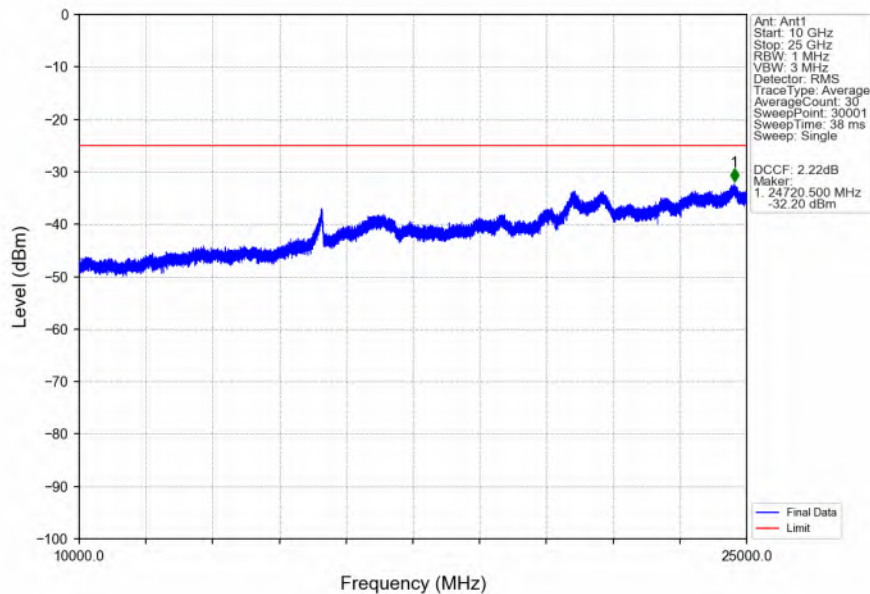


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2490.487	-35.08	-25	Pass
2490.5	2495	1	CHP	2	2494.455	-31.52	-13	Pass
2495	2496	0.2	/	3	2495.974	-33.59	-13	Pass
2496	2516	0.2	/	/	/	/	/	/

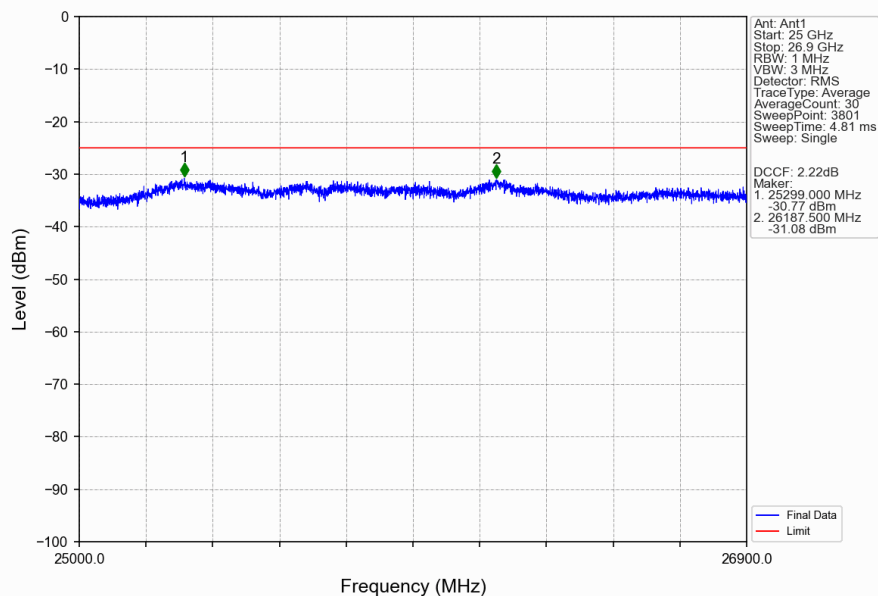
Band41_20MHz_QPSK_MCH_2593MHz_RB_1_0_NTNV



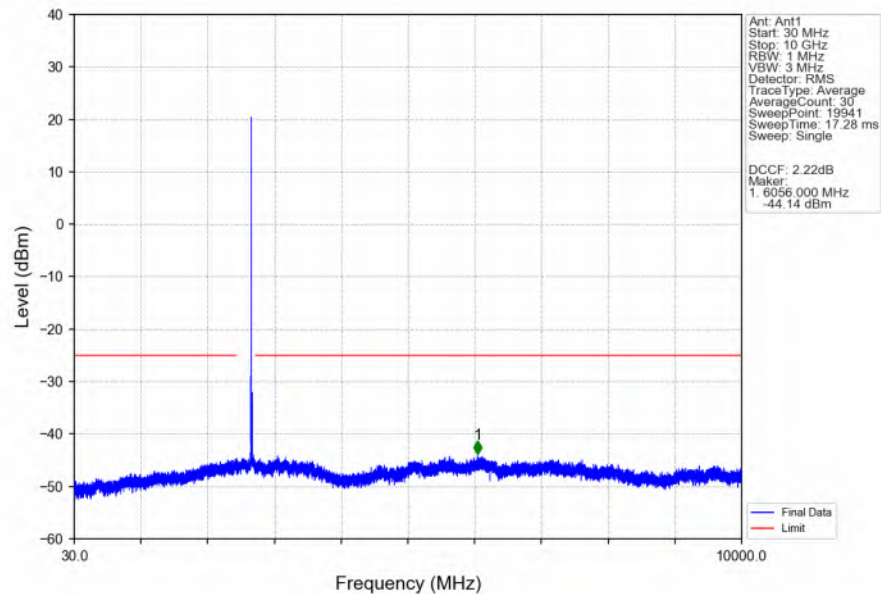
Band41_20MHz_QPSK_MCH_2593MHz_RB_1_0_NTNV



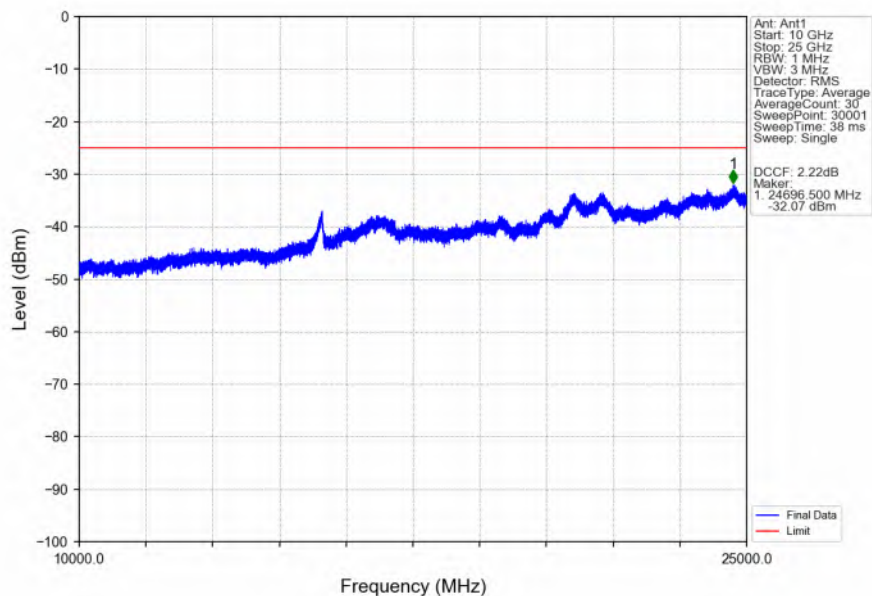
Band41_20MHz_QPSK_MCH_2593MHz_RB_1_0_NTNV



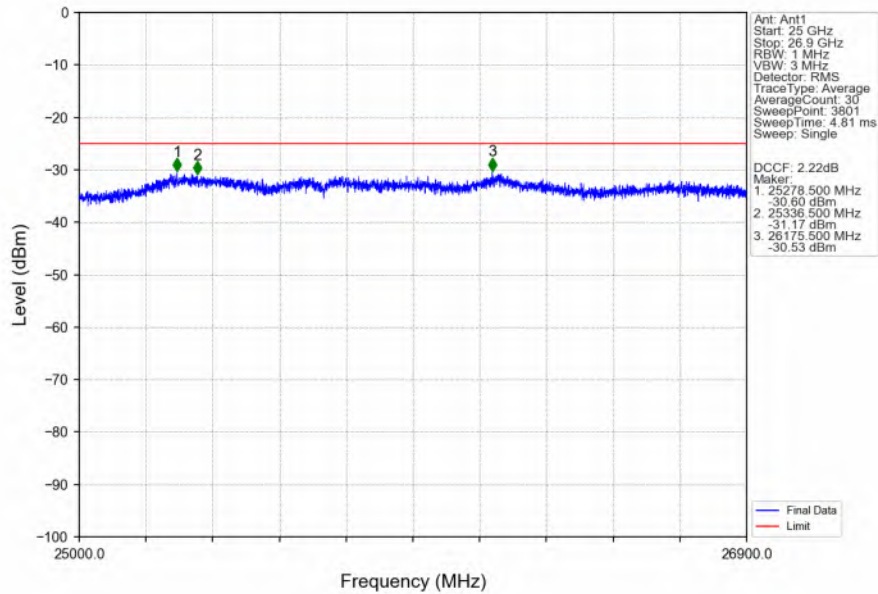
Band41_20MHz_QPSK_HCH_2680MHz_RB_1_0_NTNV



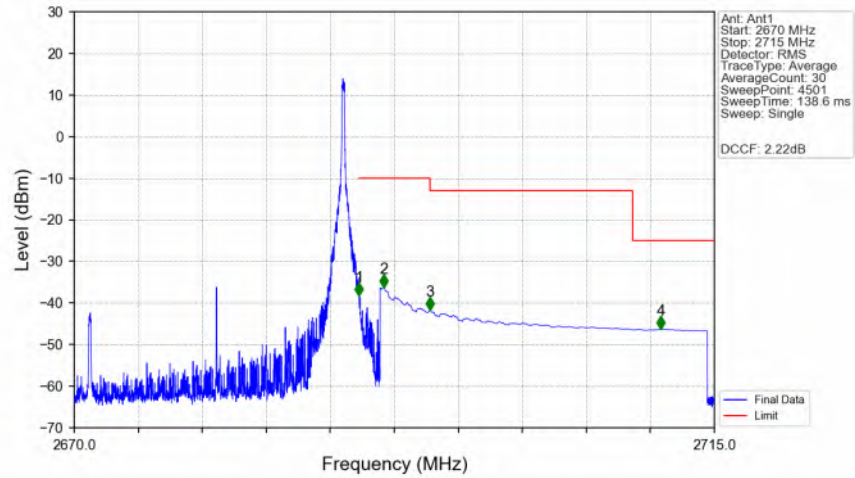
Band41_20MHz_QPSK_HCH_2680MHz_RB_1_0_NTNV



Band41_20MHz_QPSK_HCH_2680MHz_RB_1_0_NTNV

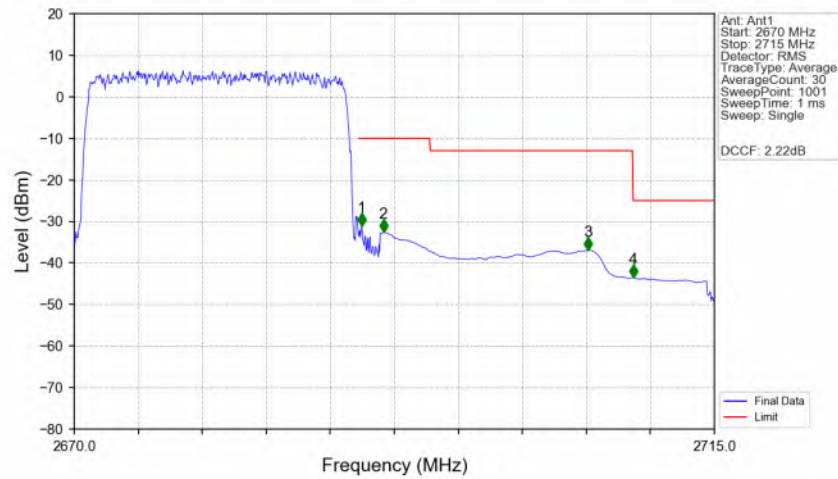


Band41_20MHz_QPSK_HCH_2680MHz_RB_1_99_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2670	2690	0.02	/	/	/	/	/	/
2690	2691	0.02	/	1	2690.010	-38.26	-10	Pass
2691	2695	1	CHP	2	2691.770	-36.23	-10	Pass
2695	2709.25	1	CHP	3	2695.020	-41.73	-13	Pass
2709.25	2715	1	CHP	4	2711.240	-46.31	-25	Pass

Band41_20MHz_QPSK_HCH_2680MHz_RB_100_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2670	2690	0.39	/	/	/	/	/	/
2690	2691	0.39	/	1	2690.205	-31.05	-10	Pass
2691	2695	1	CHP	2	2691.735	-32.67	-10	Pass
2695	2709.25	1	CHP	3	2706.135	-36.90	-13	Pass
2709.25	2715	1	CHP	4	2709.285	-43.57	-25	Pass

---End of Attachment---