

**Appendix A.16****1. Effective (Isotropic) Radiated Power Output Data****1.1 Test Result****1.1.1 B38_5MHz_EIRP**

Band: 38 / Bandwidth: 5MHz / NTN								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	2572.5	1	0	22.52	-2.22	20.30	<=33.01	Pass
			13	22.39	-2.22	20.17	<=33.01	Pass
			24	22.45	-2.22	20.23	<=33.01	Pass
		12	0	21.48	-2.22	19.26	<=33.01	Pass
			6	21.45	-2.22	19.23	<=33.01	Pass
			13	21.40	-2.22	19.18	<=33.01	Pass
		25	0	21.42	-2.22	19.20	<=33.01	Pass
	2595	1	0	22.55	-2.22	20.33	<=33.01	Pass
			13	22.64	-2.22	20.42	<=33.01	Pass
			24	22.44	-2.22	20.22	<=33.01	Pass
		12	0	21.58	-2.22	19.36	<=33.01	Pass
			6	21.58	-2.22	19.36	<=33.01	Pass
			13	21.54	-2.22	19.32	<=33.01	Pass
		25	0	21.69	-2.22	19.47	<=33.01	Pass
	2617.5	1	0	22.63	-2.22	20.41	<=33.01	Pass
			13	22.49	-2.22	20.27	<=33.01	Pass
			24	22.59	-2.22	20.37	<=33.01	Pass
		12	0	21.68	-2.22	19.46	<=33.01	Pass
			6	21.62	-2.22	19.40	<=33.01	Pass
			13	21.51	-2.22	19.29	<=33.01	Pass
		25	0	21.62	-2.22	19.40	<=33.01	Pass
16QAM	2572.5	1	0	21.48	-2.22	19.26	<=33.01	Pass
			13	21.38	-2.22	19.16	<=33.01	Pass
			24	21.40	-2.22	19.18	<=33.01	Pass
		12	0	20.43	-2.22	18.21	<=33.01	Pass
			6	20.54	-2.22	18.32	<=33.01	Pass
			13	20.37	-2.22	18.15	<=33.01	Pass
		25	0	20.54	-2.22	18.32	<=33.01	Pass
	2595	1	0	21.67	-2.22	19.45	<=33.01	Pass
			13	21.52	-2.22	19.30	<=33.01	Pass
			24	21.60	-2.22	19.38	<=33.01	Pass
		12	0	20.76	-2.22	18.54	<=33.01	Pass
			6	20.84	-2.22	18.62	<=33.01	Pass
			13	20.59	-2.22	18.37	<=33.01	Pass
		25	0	20.60	-2.22	18.38	<=33.01	Pass
	2617.5	1	0	21.68	-2.22	19.46	<=33.01	Pass
			13	21.55	-2.22	19.33	<=33.01	Pass
			24	21.35	-2.22	19.13	<=33.01	Pass
		12	0	20.72	-2.22	18.50	<=33.01	Pass
			6	20.68	-2.22	18.46	<=33.01	Pass

64QAM	2572.5	25	13	20.82	-2.22	18.60	<=33.01	Pass
			0	20.63	-2.22	18.41	<=33.01	Pass
	2572.5	1	0	20.26	-2.22	18.04	<=33.01	Pass
			13	20.48	-2.22	18.26	<=33.01	Pass
			24	20.40	-2.22	18.18	<=33.01	Pass
		12	0	19.55	-2.22	17.33	<=33.01	Pass
			6	19.50	-2.22	17.28	<=33.01	Pass
			13	19.44	-2.22	17.22	<=33.01	Pass
		25	0	19.54	-2.22	17.32	<=33.01	Pass
	2595	1	0	20.66	-2.22	18.44	<=33.01	Pass
			13	20.83	-2.22	18.61	<=33.01	Pass
			24	20.62	-2.22	18.40	<=33.01	Pass
		12	0	19.57	-2.22	17.35	<=33.01	Pass
			6	19.73	-2.22	17.51	<=33.01	Pass
			13	19.68	-2.22	17.46	<=33.01	Pass
		25	0	19.59	-2.22	17.37	<=33.01	Pass
	2617.5	1	0	20.62	-2.22	18.40	<=33.01	Pass
			13	20.66	-2.22	18.44	<=33.01	Pass
			24	20.40	-2.22	18.18	<=33.01	Pass
		12	0	19.74	-2.22	17.52	<=33.01	Pass
			6	19.64	-2.22	17.42	<=33.01	Pass
			13	19.67	-2.22	17.45	<=33.01	Pass
		25	0	19.60	-2.22	17.38	<=33.01	Pass
256QAM	2572.5	1	0	17.31	-2.22	15.09	<=33.01	Pass
			13	17.44	-2.22	15.22	<=33.01	Pass
			24	17.29	-2.22	15.07	<=33.01	Pass
		12	0	17.37	-2.22	15.15	<=33.01	Pass
			6	17.47	-2.22	15.25	<=33.01	Pass
			13	17.40	-2.22	15.18	<=33.01	Pass
		25	0	17.34	-2.22	15.12	<=33.01	Pass
	2595	1	0	17.53	-2.22	15.31	<=33.01	Pass
			13	17.69	-2.22	15.47	<=33.01	Pass
			24	17.45	-2.22	15.23	<=33.01	Pass
		12	0	17.52	-2.22	15.30	<=33.01	Pass
			6	17.61	-2.22	15.39	<=33.01	Pass
			13	17.45	-2.22	15.23	<=33.01	Pass
		25	0	17.59	-2.22	15.37	<=33.01	Pass
	2617.5	1	0	17.53	-2.22	15.31	<=33.01	Pass
			13	17.47	-2.22	15.25	<=33.01	Pass
			24	17.36	-2.22	15.14	<=33.01	Pass
		12	0	17.52	-2.22	15.30	<=33.01	Pass
			6	17.52	-2.22	15.30	<=33.01	Pass
			13	17.41	-2.22	15.19	<=33.01	Pass
		25	0	17.57	-2.22	15.35	<=33.01	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.1.2 B38_10MHz_EIRP

Band: 38 / Bandwidth: 10MHz / NTN								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	

QPSK	2575	1	0	22.36	-2.22	20.14	<=33.01	Pass
			25	22.33	-2.22	20.11	<=33.01	Pass
			49	22.29	-2.22	20.07	<=33.01	Pass
		25	0	21.48	-2.22	19.26	<=33.01	Pass
			13	21.35	-2.22	19.13	<=33.01	Pass
			25	21.32	-2.22	19.10	<=33.01	Pass
		50	0	21.33	-2.22	19.11	<=33.01	Pass
	2595	1	0	22.56	-2.22	20.34	<=33.01	Pass
			25	22.55	-2.22	20.33	<=33.01	Pass
			49	22.48	-2.22	20.26	<=33.01	Pass
		25	0	21.74	-2.22	19.52	<=33.01	Pass
			13	21.61	-2.22	19.39	<=33.01	Pass
			25	21.44	-2.22	19.22	<=33.01	Pass
		50	0	21.73	-2.22	19.51	<=33.01	Pass
	2615	1	0	22.66	-2.22	20.44	<=33.01	Pass
			25	22.62	-2.22	20.40	<=33.01	Pass
			49	22.36	-2.22	20.14	<=33.01	Pass
		25	0	21.75	-2.22	19.53	<=33.01	Pass
			13	21.60	-2.22	19.38	<=33.01	Pass
			25	21.74	-2.22	19.52	<=33.01	Pass
		50	0	21.78	-2.22	19.56	<=33.01	Pass
16QAM	2575	1	0	21.38	-2.22	19.16	<=33.01	Pass
			25	21.39	-2.22	19.17	<=33.01	Pass
			49	21.38	-2.22	19.16	<=33.01	Pass
		25	0	20.43	-2.22	18.21	<=33.01	Pass
			13	20.31	-2.22	18.09	<=33.01	Pass
			25	20.34	-2.22	18.12	<=33.01	Pass
		50	0	20.45	-2.22	18.23	<=33.01	Pass
	2595	1	0	21.53	-2.22	19.31	<=33.01	Pass
			25	21.51	-2.22	19.29	<=33.01	Pass
			49	21.35	-2.22	19.13	<=33.01	Pass
		25	0	20.73	-2.22	18.51	<=33.01	Pass
			13	20.58	-2.22	18.36	<=33.01	Pass
			25	20.58	-2.22	18.36	<=33.01	Pass
		50	0	20.55	-2.22	18.33	<=33.01	Pass
	2615	1	0	21.63	-2.22	19.41	<=33.01	Pass
			25	21.82	-2.22	19.60	<=33.01	Pass
			49	21.59	-2.22	19.37	<=33.01	Pass
		25	0	20.83	-2.22	18.61	<=33.01	Pass
			13	20.58	-2.22	18.36	<=33.01	Pass
			25	20.55	-2.22	18.33	<=33.01	Pass
		50	0	20.77	-2.22	18.55	<=33.01	Pass
64QAM	2575	1	0	20.30	-2.22	18.08	<=33.01	Pass
			25	20.35	-2.22	18.13	<=33.01	Pass
			49	20.38	-2.22	18.16	<=33.01	Pass
		25	0	19.56	-2.22	17.34	<=33.01	Pass
			13	19.42	-2.22	17.20	<=33.01	Pass
			25	19.46	-2.22	17.24	<=33.01	Pass
		50	0	19.45	-2.22	17.23	<=33.01	Pass
	2595	1	0	20.62	-2.22	18.40	<=33.01	Pass
			25	20.85	-2.22	18.63	<=33.01	Pass
			49	20.51	-2.22	18.29	<=33.01	Pass
		25	0	19.74	-2.22	17.52	<=33.01	Pass

256QAM	2615	50	13	19.76	-2.22	17.54	<=33.01	Pass
			25	19.51	-2.22	17.29	<=33.01	Pass
			0	19.60	-2.22	17.38	<=33.01	Pass
		1	0	20.55	-2.22	18.33	<=33.01	Pass
			25	20.86	-2.22	18.64	<=33.01	Pass
			49	20.69	-2.22	18.47	<=33.01	Pass
		25	0	19.68	-2.22	17.46	<=33.01	Pass
			13	19.64	-2.22	17.42	<=33.01	Pass
			25	19.74	-2.22	17.52	<=33.01	Pass
		50	0	19.76	-2.22	17.54	<=33.01	Pass
	2575	1	0	17.26	-2.22	15.04	<=33.01	Pass
			25	17.41	-2.22	15.19	<=33.01	Pass
			49	17.39	-2.22	15.17	<=33.01	Pass
		25	0	17.37	-2.22	15.15	<=33.01	Pass
			13	17.38	-2.22	15.16	<=33.01	Pass
			25	17.23	-2.22	15.01	<=33.01	Pass
		50	0	17.28	-2.22	15.06	<=33.01	Pass
	2595	1	0	17.50	-2.22	15.28	<=33.01	Pass
			25	17.49	-2.22	15.27	<=33.01	Pass
			49	17.30	-2.22	15.08	<=33.01	Pass
		25	0	17.64	-2.22	15.42	<=33.01	Pass
			13	17.51	-2.22	15.29	<=33.01	Pass
			25	17.38	-2.22	15.16	<=33.01	Pass
		50	0	17.60	-2.22	15.38	<=33.01	Pass
	2615	1	0	17.57	-2.22	15.35	<=33.01	Pass
			25	17.62	-2.22	15.40	<=33.01	Pass
			49	17.48	-2.22	15.26	<=33.01	Pass
		25	0	17.66	-2.22	15.44	<=33.01	Pass
			13	17.67	-2.22	15.45	<=33.01	Pass
			25	17.51	-2.22	15.29	<=33.01	Pass
		50	0	17.54	-2.22	15.32	<=33.01	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.1.3 B38_15MHz_EIRP

Band: 38 / Bandwidth: 15MHz / NTN								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	2577.5	1	0	22.20	-2.22	19.98	<=33.01	Pass
			38	22.17	-2.22	19.95	<=33.01	Pass
			74	22.31	-2.22	20.09	<=33.01	Pass
		36	0	21.35	-2.22	19.13	<=33.01	Pass
			18	21.38	-2.22	19.16	<=33.01	Pass
			39	21.34	-2.22	19.12	<=33.01	Pass
		75	0	21.20	-2.22	18.98	<=33.01	Pass
	2595	1	0	22.38	-2.22	20.16	<=33.01	Pass
			38	22.45	-2.22	20.23	<=33.01	Pass
			74	22.26	-2.22	20.04	<=33.01	Pass
		36	0	21.49	-2.22	19.27	<=33.01	Pass
			18	21.58	-2.22	19.36	<=33.01	Pass
			39	21.44	-2.22	19.22	<=33.01	Pass

		75	0	21.57	-2.22	19.35	<=33.01	Pass	
	2612.5	1	0	22.37	-2.22	20.15	<=33.01	Pass	
			38	22.41	-2.22	20.19	<=33.01	Pass	
			74	22.22	-2.22	20.00	<=33.01	Pass	
			0	21.48	-2.22	19.26	<=33.01	Pass	
		18	21.59	-2.22	19.37	<=33.01	Pass		
		39	21.59	-2.22	19.37	<=33.01	Pass		
75	0	21.47	-2.22	19.25	<=33.01	Pass			
16QAM	2577.5	1	0	21.19	-2.22	18.97	<=33.01	Pass	
			38	21.14	-2.22	18.92	<=33.01	Pass	
			74	21.17	-2.22	18.95	<=33.01	Pass	
		36	0	20.22	-2.22	18.00	<=33.01	Pass	
			18	20.40	-2.22	18.18	<=33.01	Pass	
			39	20.18	-2.22	17.96	<=33.01	Pass	
		75	0	20.30	-2.22	18.08	<=33.01	Pass	
	2595	1	0	21.46	-2.22	19.24	<=33.01	Pass	
			38	21.31	-2.22	19.09	<=33.01	Pass	
			74	21.14	-2.22	18.92	<=33.01	Pass	
		36	0	20.60	-2.22	18.38	<=33.01	Pass	
			18	20.44	-2.22	18.22	<=33.01	Pass	
			39	20.33	-2.22	18.11	<=33.01	Pass	
		75	0	20.57	-2.22	18.35	<=33.01	Pass	
	2612.5	1	0	21.36	-2.22	19.14	<=33.01	Pass	
			38	21.45	-2.22	19.23	<=33.01	Pass	
			74	21.42	-2.22	19.20	<=33.01	Pass	
		36	0	20.54	-2.22	18.32	<=33.01	Pass	
			18	20.53	-2.22	18.31	<=33.01	Pass	
			39	20.57	-2.22	18.35	<=33.01	Pass	
		75	0	20.56	-2.22	18.34	<=33.01	Pass	
	64QAM	2577.5	1	0	20.16	-2.22	17.94	<=33.01	Pass
				38	20.19	-2.22	17.97	<=33.01	Pass
				74	20.21	-2.22	17.99	<=33.01	Pass
			36	0	19.26	-2.22	17.04	<=33.01	Pass
				18	19.32	-2.22	17.10	<=33.01	Pass
				39	19.37	-2.22	17.15	<=33.01	Pass
		75	0	19.20	-2.22	16.98	<=33.01	Pass	
2595		1	0	20.42	-2.22	18.20	<=33.01	Pass	
			38	20.27	-2.22	18.05	<=33.01	Pass	
			74	20.36	-2.22	18.14	<=33.01	Pass	
		36	0	19.61	-2.22	17.39	<=33.01	Pass	
			18	19.47	-2.22	17.25	<=33.01	Pass	
			39	19.36	-2.22	17.14	<=33.01	Pass	
75		0	19.61	-2.22	17.39	<=33.01	Pass		
2612.5		1	0	20.50	-2.22	18.28	<=33.01	Pass	
			38	20.58	-2.22	18.36	<=33.01	Pass	
			74	20.22	-2.22	18.00	<=33.01	Pass	
		36	0	19.55	-2.22	17.33	<=33.01	Pass	
			18	19.56	-2.22	17.34	<=33.01	Pass	
			39	19.50	-2.22	17.28	<=33.01	Pass	
		75	0	19.61	-2.22	17.39	<=33.01	Pass	
	2577.5	1	0	17.17	-2.22	14.95	<=33.01	Pass	
38			17.17	-2.22	14.95	<=33.01	Pass		
74			17.34	-2.22	15.12	<=33.01	Pass		



Report No.: SUCR260400031709

Page: 6 of 65

		36	0	17.17	-2.22	14.95	<=33.01	Pass
			18	17.14	-2.22	14.92	<=33.01	Pass
			39	17.16	-2.22	14.94	<=33.01	Pass
		75	0	17.13	-2.22	14.91	<=33.01	Pass
	2595	1	0	17.39	-2.22	15.17	<=33.01	Pass
			38	17.26	-2.22	15.04	<=33.01	Pass
			74	17.30	-2.22	15.08	<=33.01	Pass
		36	0	17.49	-2.22	15.27	<=33.01	Pass
			18	17.34	-2.22	15.12	<=33.01	Pass
			39	17.30	-2.22	15.08	<=33.01	Pass
		75	0	17.43	-2.22	15.21	<=33.01	Pass
	2612.5	1	0	17.44	-2.22	15.22	<=33.01	Pass
			38	17.35	-2.22	15.13	<=33.01	Pass
			74	17.27	-2.22	15.05	<=33.01	Pass
		36	0	17.40	-2.22	15.18	<=33.01	Pass
			18	17.52	-2.22	15.30	<=33.01	Pass
			39	17.29	-2.22	15.07	<=33.01	Pass
		75	0	17.35	-2.22	15.13	<=33.01	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.1.4 B38_20MHz_EIRP

Band: 38 / Bandwidth: 20MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	2580	1	0	22.15	-2.22	19.93	<=33.01	Pass
			50	22.24	-2.22	20.02	<=33.01	Pass
			99	22.30	-2.22	20.08	<=33.01	Pass
		50	0	21.28	-2.22	19.06	<=33.01	Pass
			25	21.47	-2.22	19.25	<=33.01	Pass
			50	21.32	-2.22	19.10	<=33.01	Pass
		100	0	21.34	-2.22	19.12	<=33.01	Pass
	2595	1	0	22.33	-2.22	20.11	<=33.01	Pass
			50	22.42	-2.22	20.20	<=33.01	Pass
			99	22.27	-2.22	20.05	<=33.01	Pass
		50	0	21.44	-2.22	19.22	<=33.01	Pass
			25	21.46	-2.22	19.24	<=33.01	Pass
			50	21.40	-2.22	19.18	<=33.01	Pass
		100	0	21.52	-2.22	19.30	<=33.01	Pass
	2610	1	0	22.34	-2.22	20.12	<=33.01	Pass
			50	22.42	-2.22	20.20	<=33.01	Pass
			99	22.32	-2.22	20.10	<=33.01	Pass
		50	0	21.62	-2.22	19.40	<=33.01	Pass
			25	21.68	-2.22	19.46	<=33.01	Pass
			50	21.65	-2.22	19.43	<=33.01	Pass
		100	0	21.51	-2.22	19.29	<=33.01	Pass
16QAM	2580	1	0	21.17	-2.22	18.95	<=33.01	Pass
			50	21.33	-2.22	19.11	<=33.01	Pass
			99	21.17	-2.22	18.95	<=33.01	Pass
		50	0	20.40	-2.22	18.18	<=33.01	Pass
			25	20.46	-2.22	18.24	<=33.01	Pass

			50	20.33	-2.22	18.11	<=33.01	Pass	
		100	0	20.46	-2.22	18.24	<=33.01	Pass	
	2595	1	0	21.65	-2.22	19.43	<=33.01	Pass	
			50	21.50	-2.22	19.28	<=33.01	Pass	
			99	21.51	-2.22	19.29	<=33.01	Pass	
		50	0	20.55	-2.22	18.33	<=33.01	Pass	
			25	20.47	-2.22	18.25	<=33.01	Pass	
			50	20.37	-2.22	18.15	<=33.01	Pass	
		100	0	20.49	-2.22	18.27	<=33.01	Pass	
	2610	1	0	21.29	-2.22	19.07	<=33.01	Pass	
			50	21.54	-2.22	19.32	<=33.01	Pass	
			99	21.19	-2.22	18.97	<=33.01	Pass	
		50	0	20.47	-2.22	18.25	<=33.01	Pass	
			25	20.46	-2.22	18.24	<=33.01	Pass	
			50	20.41	-2.22	18.19	<=33.01	Pass	
100		0	20.53	-2.22	18.31	<=33.01	Pass		
64QAM	2580	1	0	20.12	-2.22	17.90	<=33.01	Pass	
			50	20.16	-2.22	17.94	<=33.01	Pass	
			99	20.36	-2.22	18.14	<=33.01	Pass	
		50	0	19.35	-2.22	17.13	<=33.01	Pass	
			25	19.49	-2.22	17.27	<=33.01	Pass	
			50	19.34	-2.22	17.12	<=33.01	Pass	
		100	0	19.47	-2.22	17.25	<=33.01	Pass	
	2595	1	0	20.33	-2.22	18.11	<=33.01	Pass	
			50	20.45	-2.22	18.23	<=33.01	Pass	
			99	20.21	-2.22	17.99	<=33.01	Pass	
		50	0	19.50	-2.22	17.28	<=33.01	Pass	
			25	19.58	-2.22	17.36	<=33.01	Pass	
			50	19.48	-2.22	17.26	<=33.01	Pass	
		100	0	19.62	-2.22	17.40	<=33.01	Pass	
	2610	1	0	20.21	-2.22	17.99	<=33.01	Pass	
			50	20.58	-2.22	18.36	<=33.01	Pass	
			99	20.20	-2.22	17.98	<=33.01	Pass	
		50	0	19.44	-2.22	17.22	<=33.01	Pass	
			25	19.65	-2.22	17.43	<=33.01	Pass	
			50	19.56	-2.22	17.34	<=33.01	Pass	
		100	0	19.61	-2.22	17.39	<=33.01	Pass	
	256QAM	2580	1	0	17.30	-2.22	15.08	<=33.01	Pass
				50	17.18	-2.22	14.96	<=33.01	Pass
				99	17.33	-2.22	15.11	<=33.01	Pass
			50	0	17.22	-2.22	15.00	<=33.01	Pass
25				17.34	-2.22	15.12	<=33.01	Pass	
50				17.33	-2.22	15.11	<=33.01	Pass	
100		0	17.25	-2.22	15.03	<=33.01	Pass		
2595		1	0	17.51	-2.22	15.29	<=33.01	Pass	
			50	17.25	-2.22	15.03	<=33.01	Pass	
			99	17.51	-2.22	15.29	<=33.01	Pass	
		50	0	17.40	-2.22	15.18	<=33.01	Pass	
			25	17.48	-2.22	15.26	<=33.01	Pass	
			50	17.24	-2.22	15.02	<=33.01	Pass	
100		0	17.34	-2.22	15.12	<=33.01	Pass		
2610		1	0	17.33	-2.22	15.11	<=33.01	Pass	
	50		17.28	-2.22	15.06	<=33.01	Pass		



Report No.: SUCR260400031709

Page: 8 of 65

			99	17.16	-2.22	14.94	<=33.01	Pass
		50	0	17.45	-2.22	15.23	<=33.01	Pass
			25	17.42	-2.22	15.20	<=33.01	Pass
			50	17.50	-2.22	15.28	<=33.01	Pass
		100	0	17.46	-2.22	15.24	<=33.01	Pass

Note1: EIRP=Conducted Power+Antenna Gain

2. Frequency Stability

2.1 Test Result

2.1.1 B38_10MHz

Band: 38 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2595	50	0	20	LV	-0.244	-0.0001	-2.5 to 2.5	Pass
					NV	-0.757	-0.0003	-2.5 to 2.5	Pass
					HV	-1.022	-0.0004	-2.5 to 2.5	Pass
				-30	NV	-0.410	-0.0002	-2.5 to 2.5	Pass
				-20	NV	-0.878	-0.0003	-2.5 to 2.5	Pass
				-10	NV	0.859	0.0003	-2.5 to 2.5	Pass
				0	NV	0.344	0.0001	-2.5 to 2.5	Pass
				10	NV	-0.059	0.0000	-2.5 to 2.5	Pass
				30	NV	0.011	0.0000	-2.5 to 2.5	Pass
				40	NV	-0.603	-0.0002	-2.5 to 2.5	Pass
				50	NV	0.085	0.0000	-2.5 to 2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 Band38_OBW

Band: 38 / NTV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2595	25	0	4.530	/	Pass
	16QAM	2595	25	0	4.526	/	Pass
	64QAM	2595	25	0	4.520	/	Pass
	256QAM	2595	25	0	4.542	/	Pass
10	QPSK	2595	50	0	8.965	/	Pass
	16QAM	2595	50	0	8.957	/	Pass
	64QAM	2595	50	0	8.961	/	Pass
	256QAM	2595	50	0	8.970	/	Pass
15	QPSK	2595	75	0	13.492	/	Pass
	16QAM	2595	75	0	13.440	/	Pass



Report No.: SUCR260400031709

Page: 9 of 65

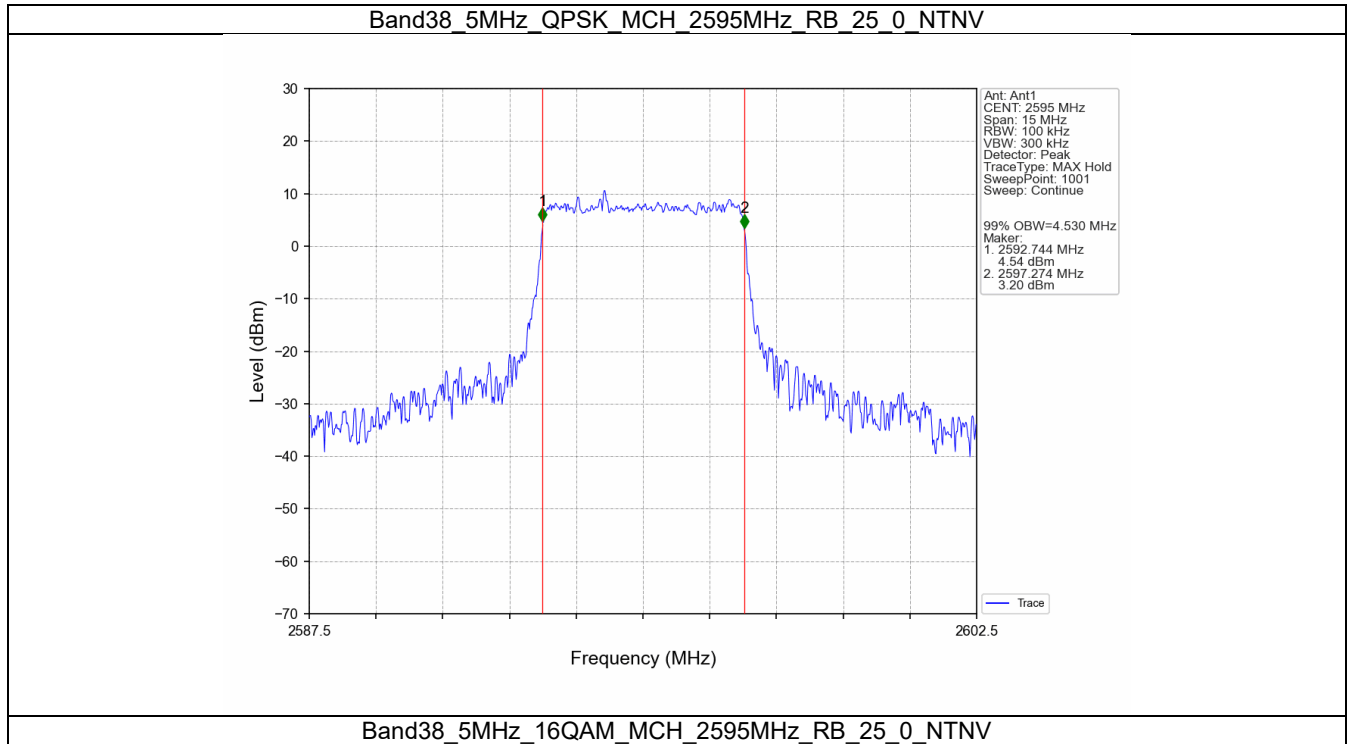
20	64QAM	2595	75	0	13.460	/	Pass
	256QAM	2595	75	0	13.474	/	Pass
	QPSK	2595	100	0	17.947	/	Pass
	16QAM	2595	100	0	17.942	/	Pass
	64QAM	2595	100	0	17.964	/	Pass
	256QAM	2595	100	0	17.913	/	Pass

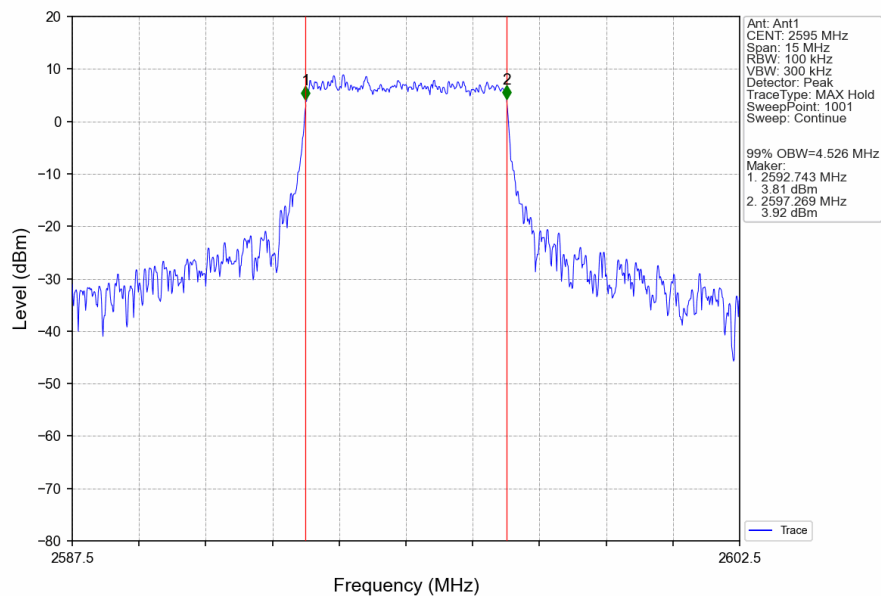
3.1.2 Band38_XDB

Band: 38 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2595	25	0	5.176	/	Pass
	16QAM	2595	25	0	5.538	/	Pass
	64QAM	2595	25	0	5.067	/	Pass
	256QAM	2595	25	0	5.575	/	Pass
10	QPSK	2595	50	0	9.839	/	Pass
	16QAM	2595	50	0	9.717	/	Pass
	64QAM	2595	50	0	9.730	/	Pass
	256QAM	2595	50	0	9.810	/	Pass
15	QPSK	2595	75	0	14.709	/	Pass
	16QAM	2595	75	0	15.131	/	Pass
	64QAM	2595	75	0	14.926	/	Pass
	256QAM	2595	75	0	14.759	/	Pass
20	QPSK	2595	100	0	19.197	/	Pass
	16QAM	2595	100	0	19.554	/	Pass
	64QAM	2595	100	0	19.475	/	Pass
	256QAM	2595	100	0	19.828	/	Pass

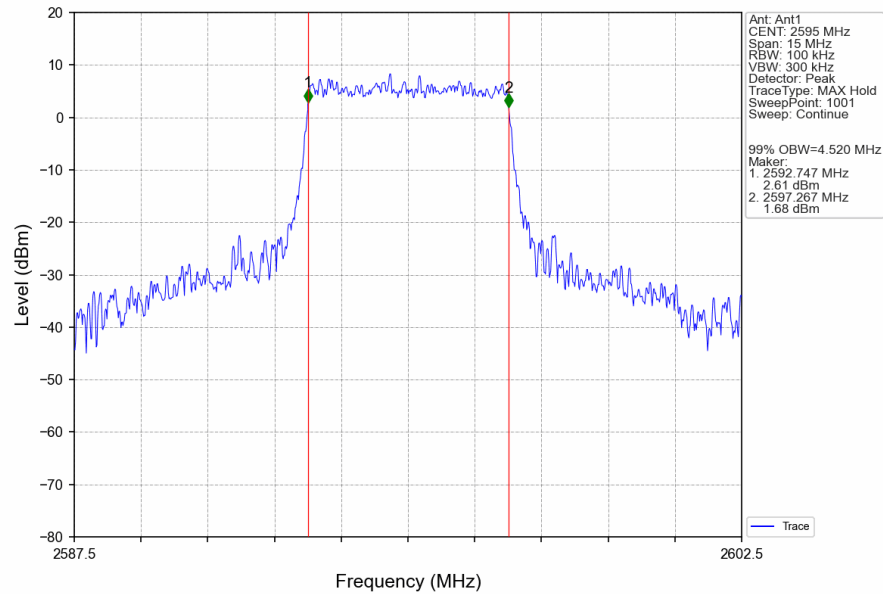
3.2 Test Graph

3.2.1 Band38_OBW

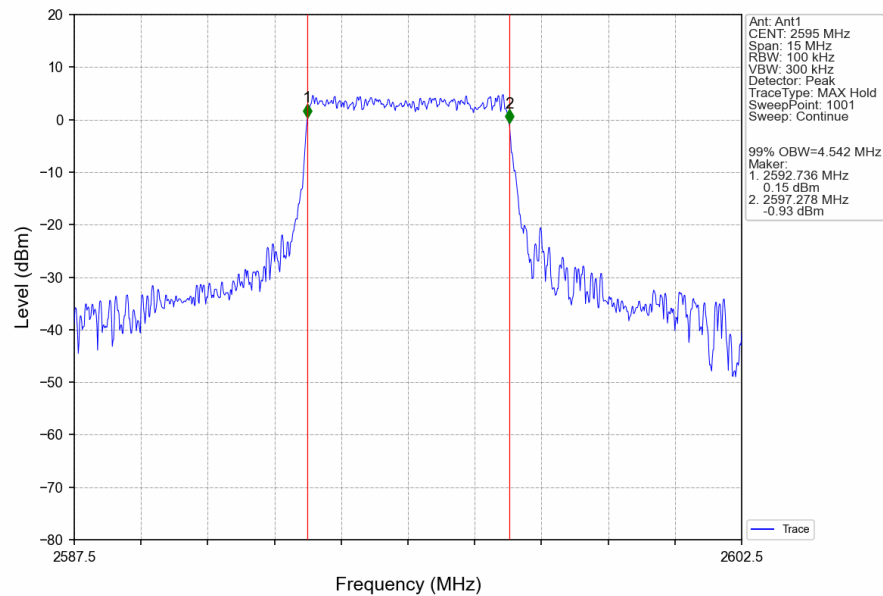




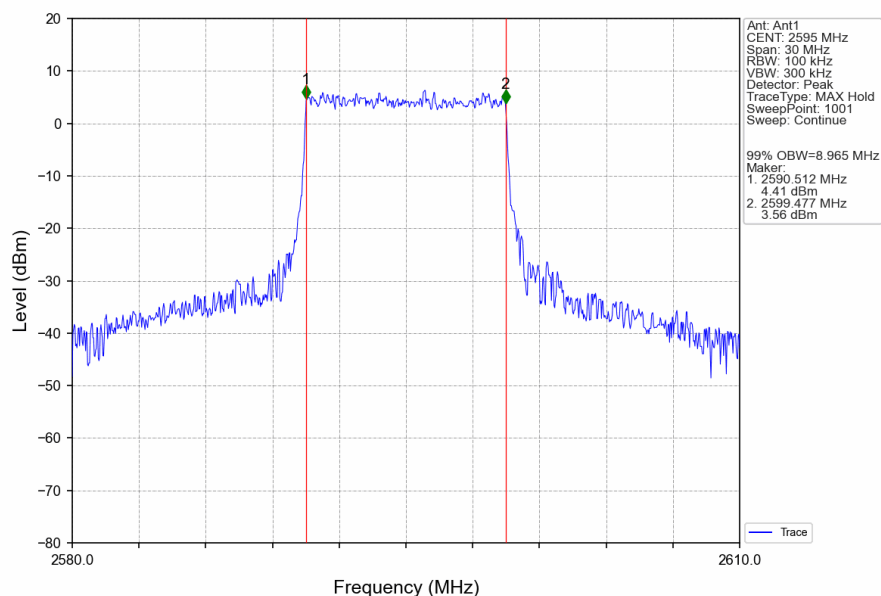
Band38_5MHz_64QAM_MCH_2595MHz_RB_25_0_NTNV



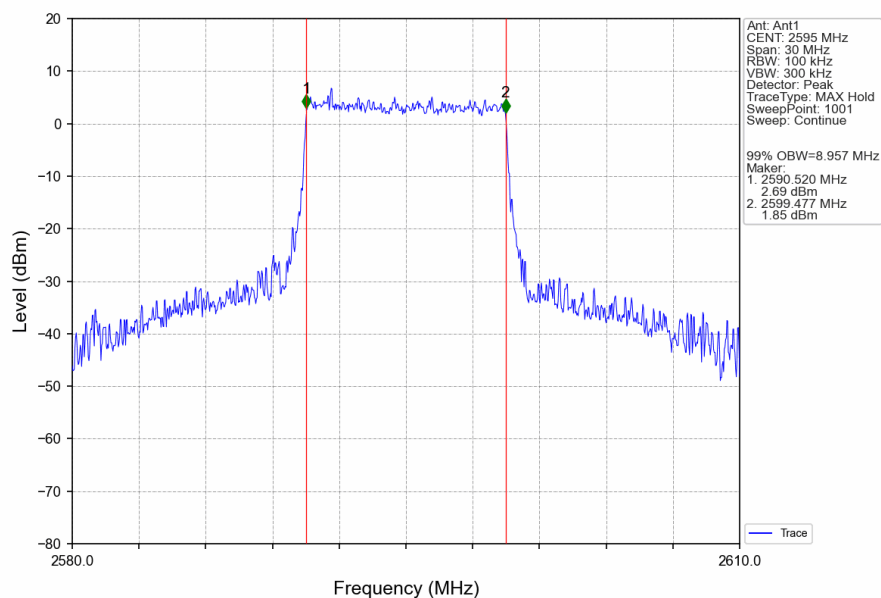
Band38_5MHz_256QAM_MCH_2595MHz_RB_25_0_NTNV



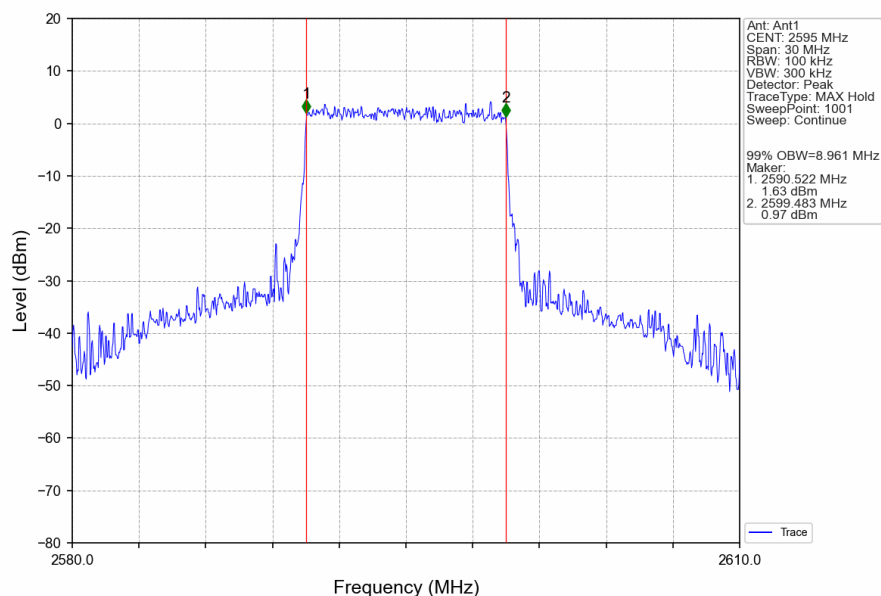
Band38_10MHz_QPSK_MCH_2595MHz_RB_50_0_NTNV



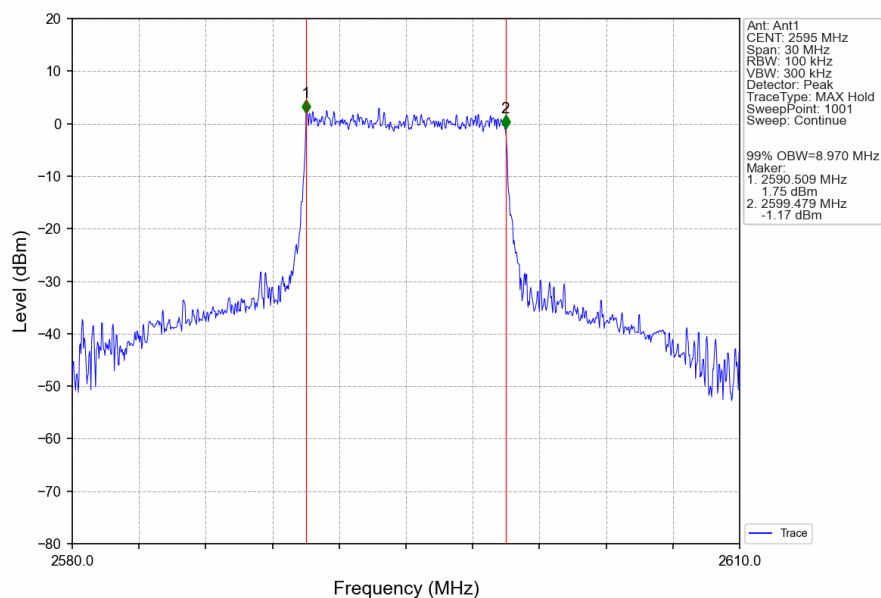
Band38_10MHz_16QAM_MCH_2595MHz_RB_50_0_NTNV



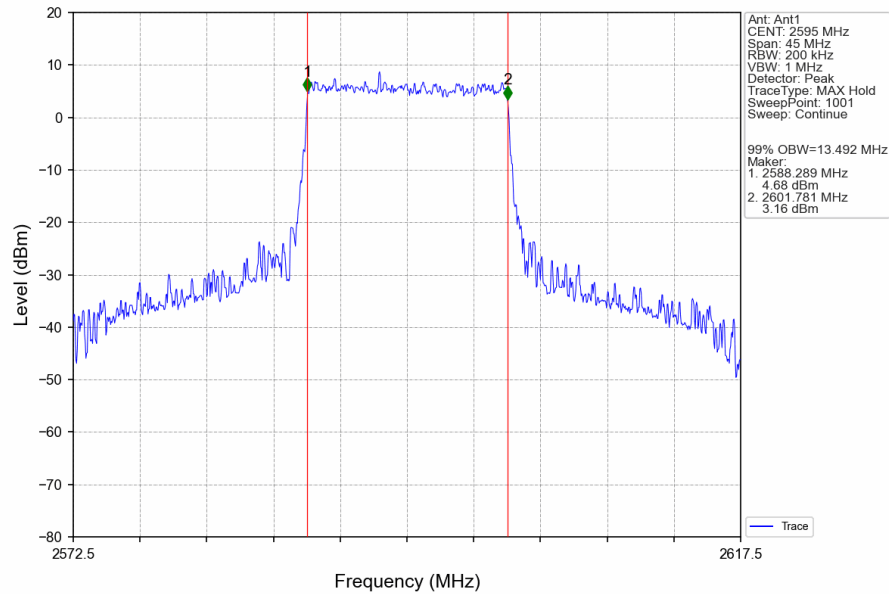
Band38_10MHz_64QAM_MCH_2595MHz_RB_50_0_NTNV



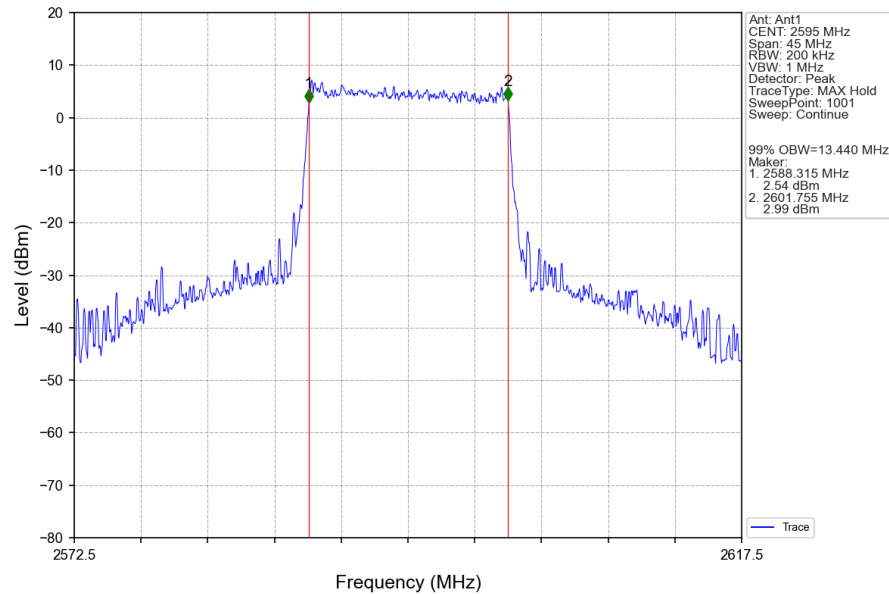
Band38_10MHz_256QAM_MCH_2595MHz_RB_50_0_NTNV



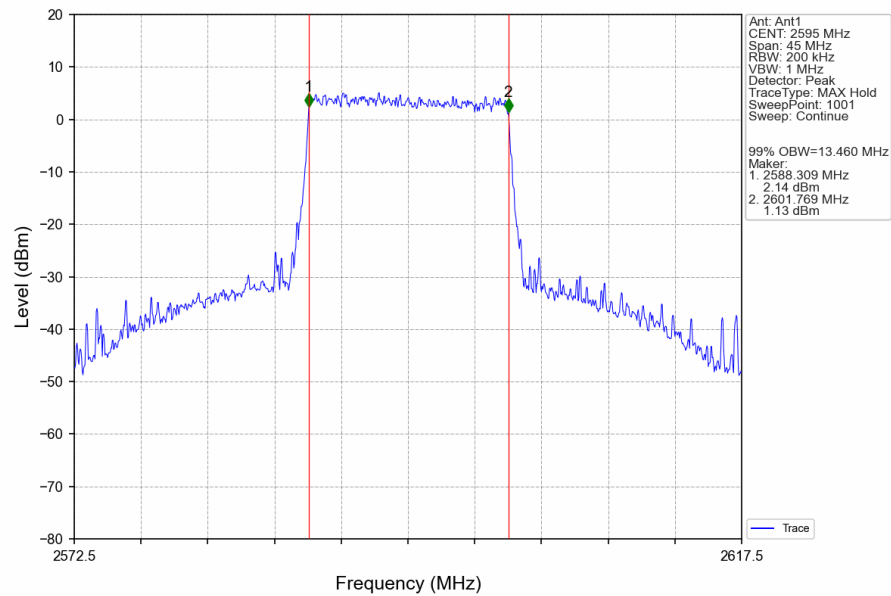
Band38_15MHz_QPSK_MCH_2595MHz_RB_75_0_NTNV



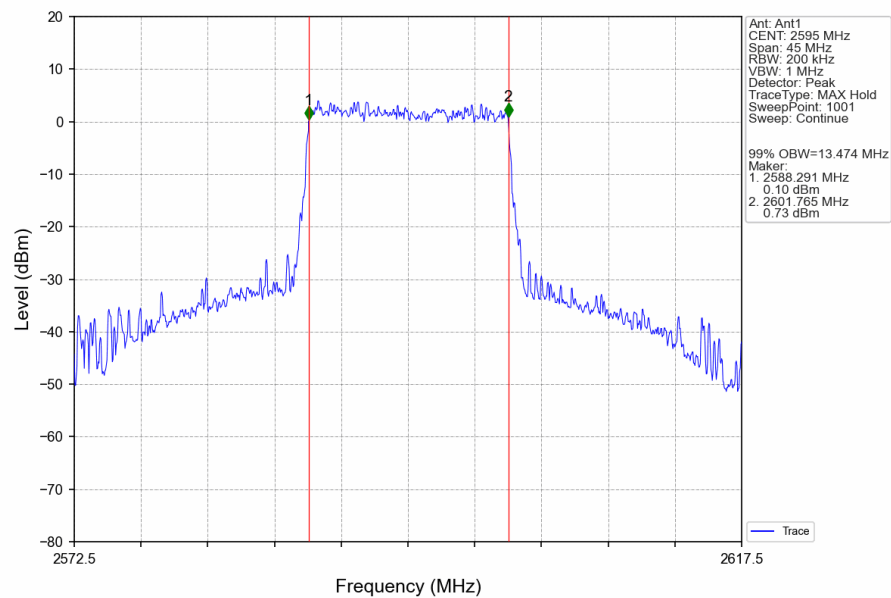
Band38_15MHz_16QAM_MCH_2595MHz_RB_75_0_NTNV



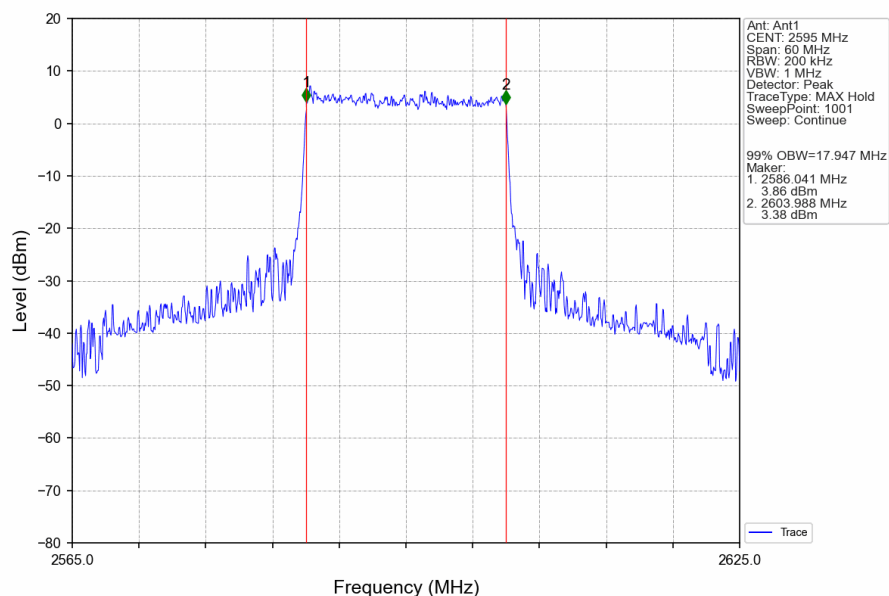
Band38_15MHz_64QAM_MCH_2595MHz_RB_75_0_NTNV



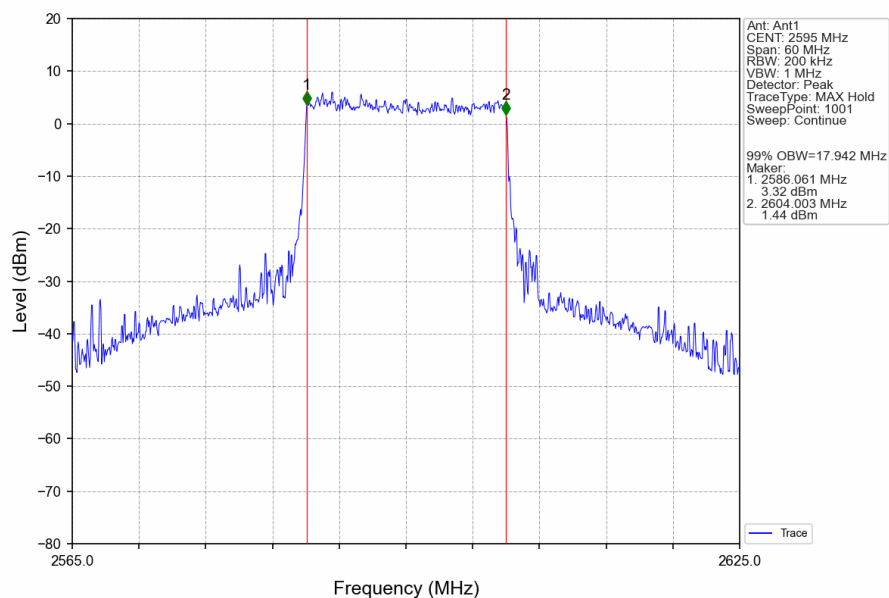
Band38_15MHz_256QAM_MCH_2595MHz_RB_75_0_NTNV



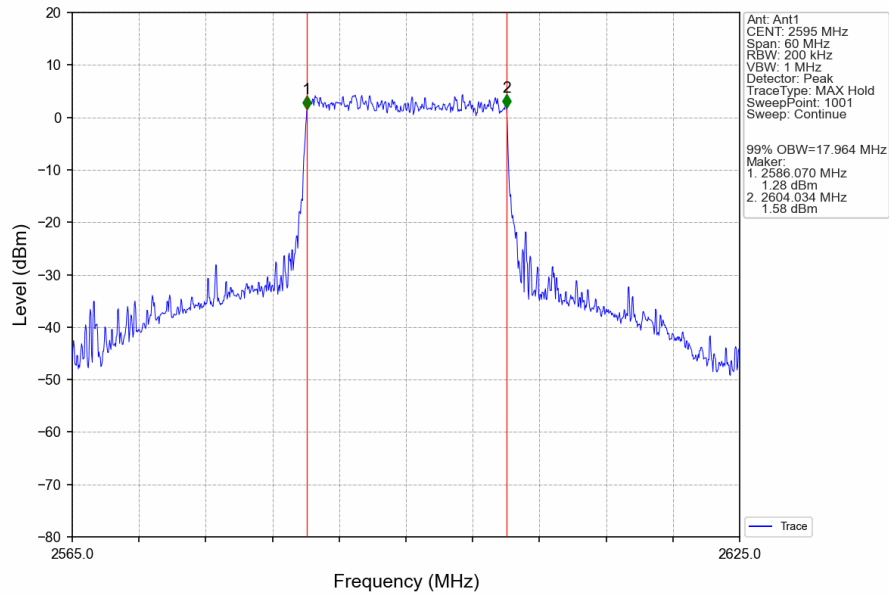
Band38_20MHz_QPSK_MCH_2595MHz_RB_100_0_NTNV



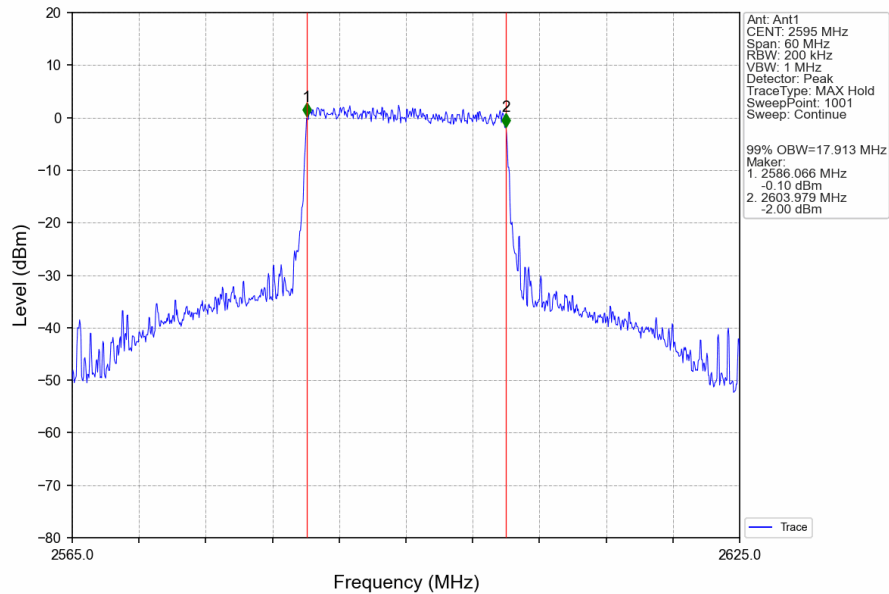
Band38_20MHz_16QAM_MCH_2595MHz_RB_100_0_NTNV



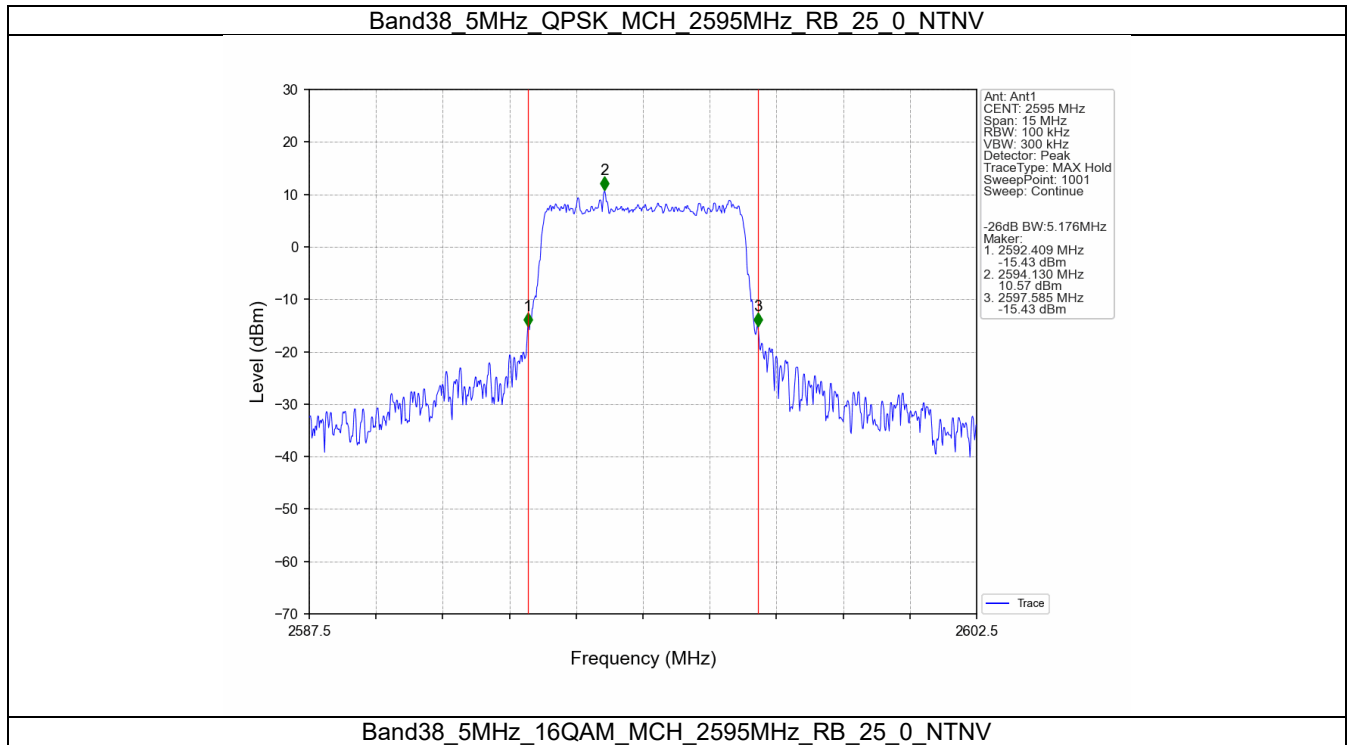
Band38_20MHz_64QAM_MCH_2595MHz_RB_100_0_NTNV

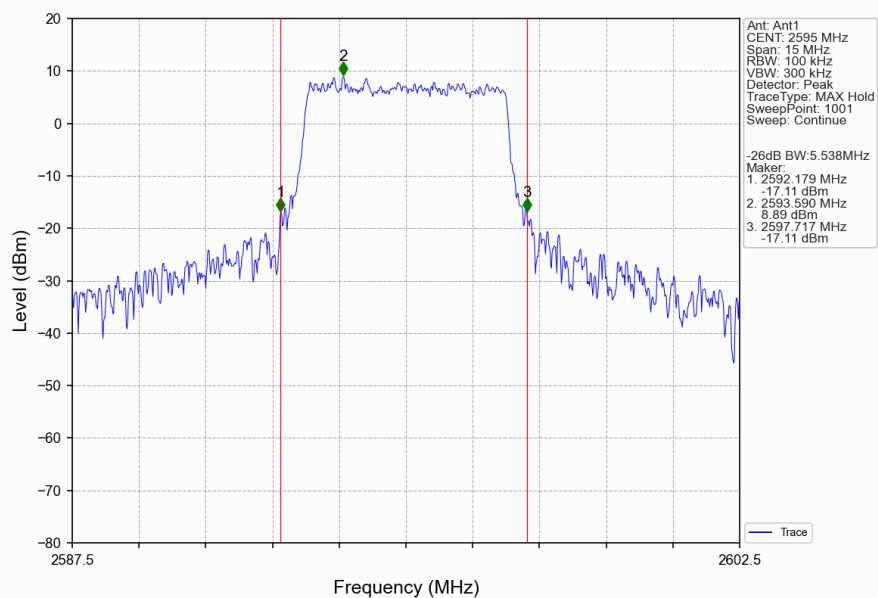


Band38_20MHz_256QAM_MCH_2595MHz_RB_100_0_NTNV

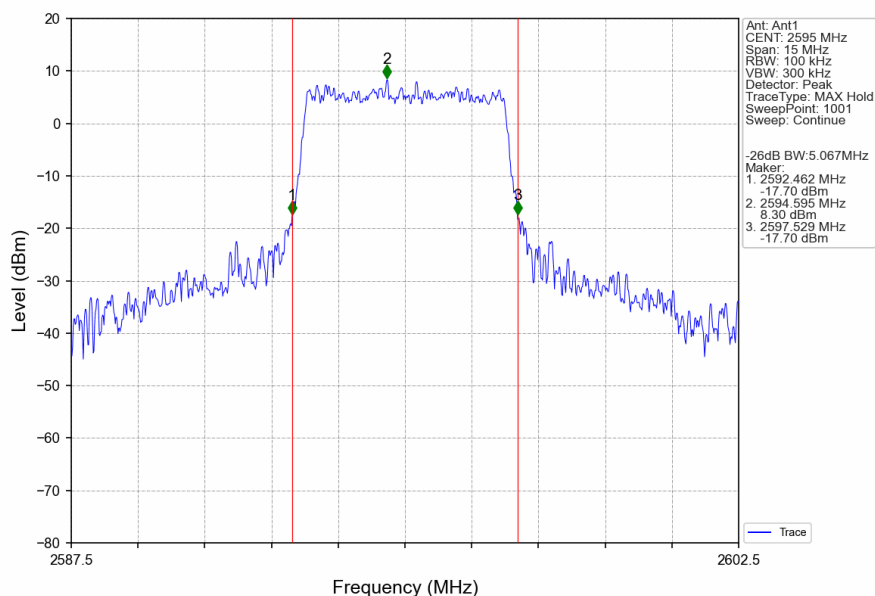


3.2.2 Band38_XDB

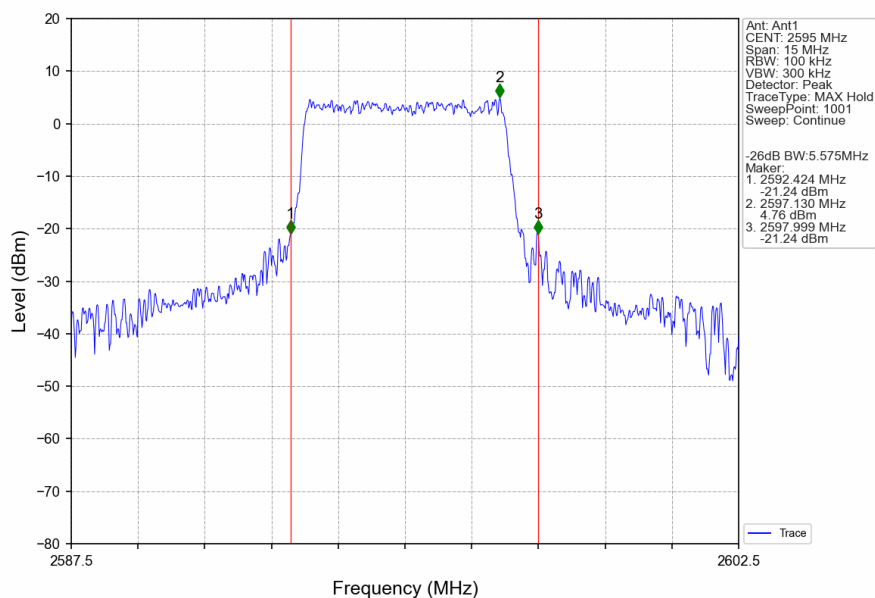




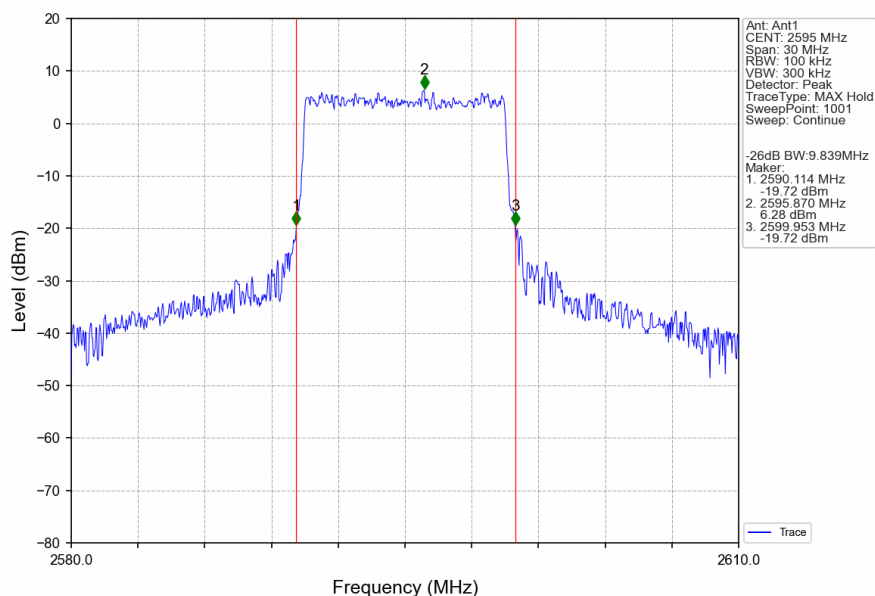
Band38_5MHz_64QAM_MCH_2595MHz_RB_25_0_NTNV



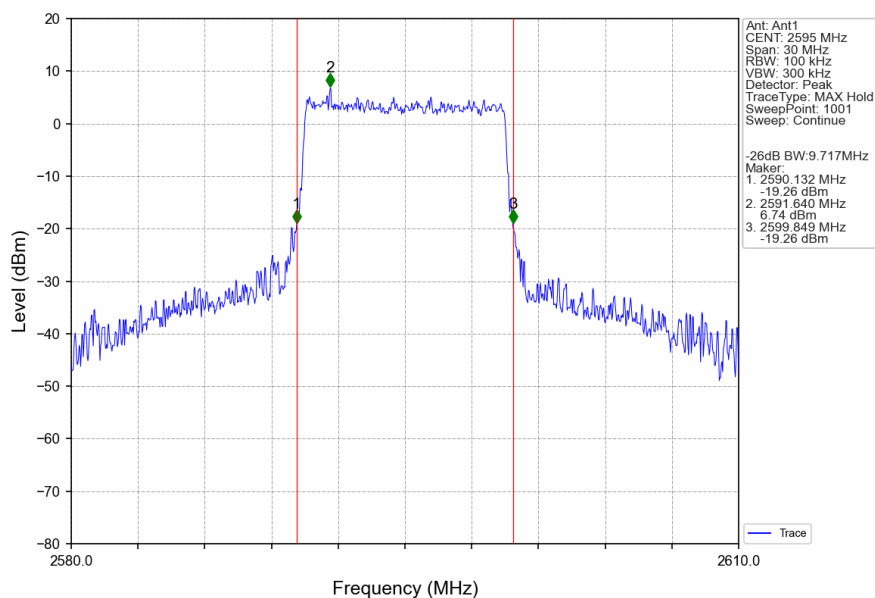
Band38_5MHz_256QAM_MCH_2595MHz_RB_25_0_NTNV



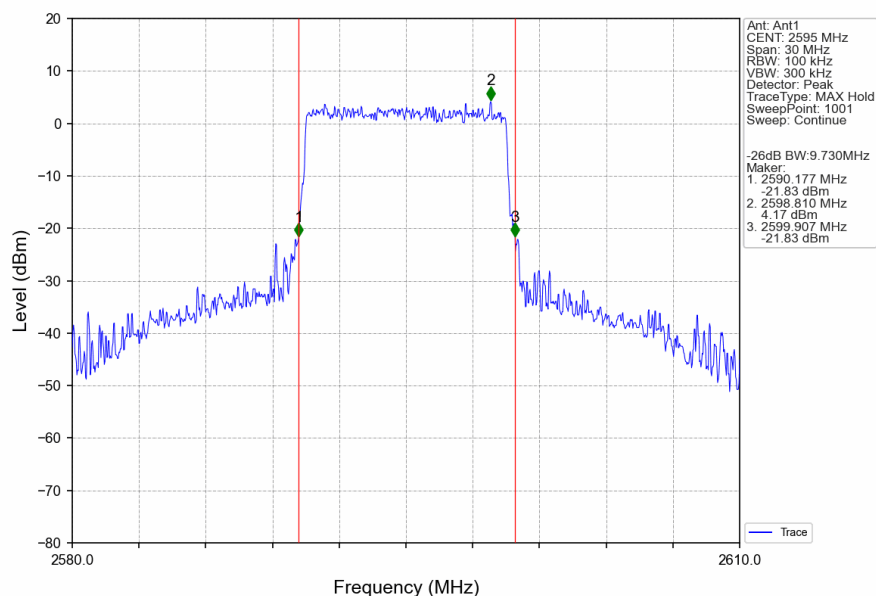
Band38_10MHz_QPSK_MCH_2595MHz_RB_50_0_NTNV



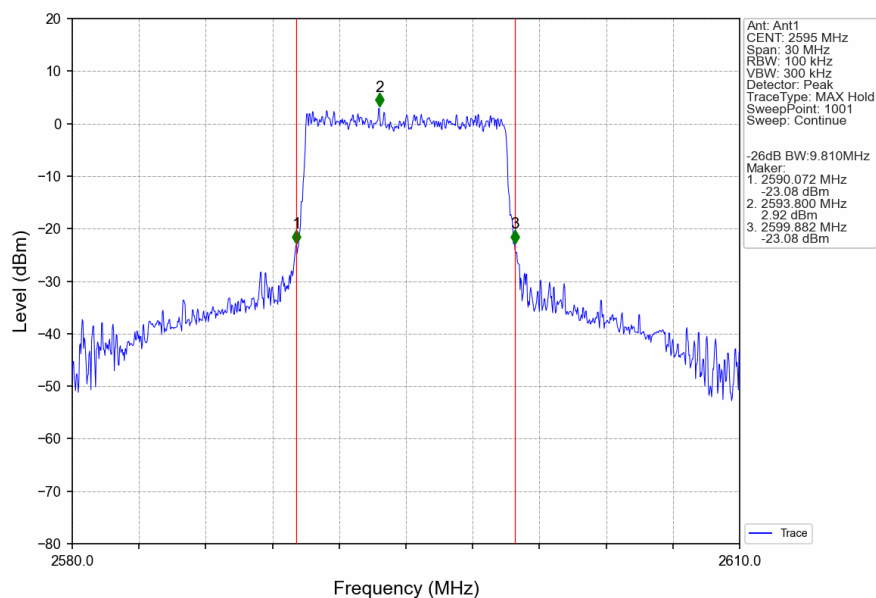
Band38_10MHz_16QAM_MCH_2595MHz_RB_50_0_NTNV



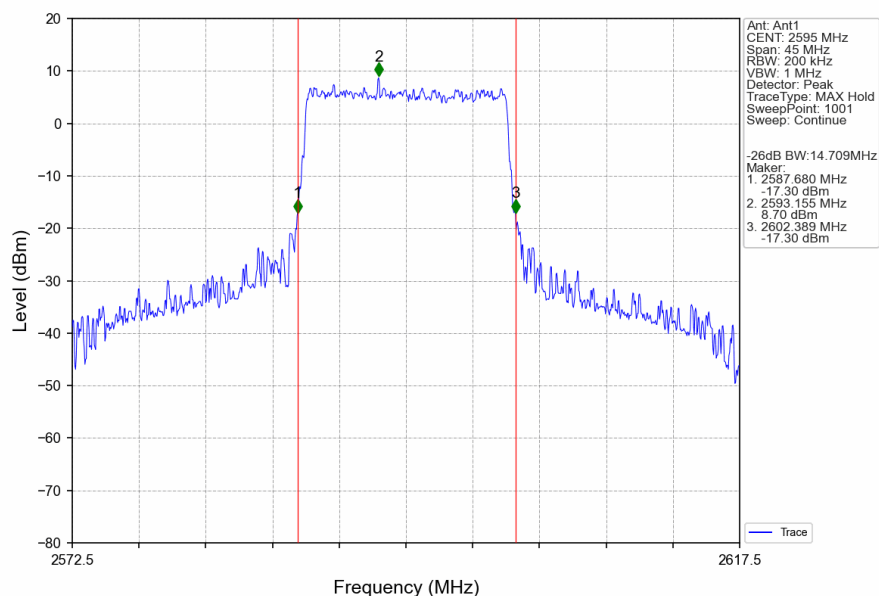
Band38_10MHz_64QAM_MCH_2595MHz_RB_50_0_NTNV



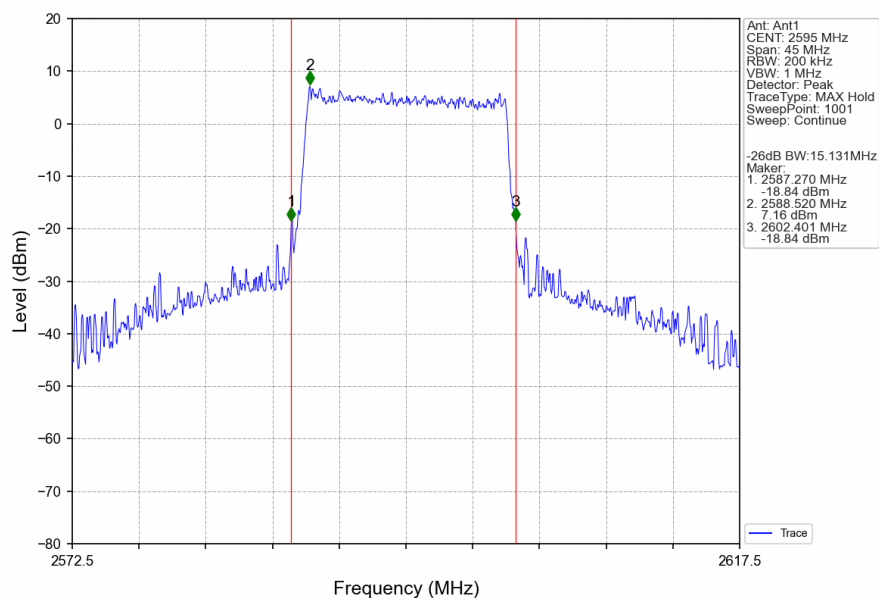
Band38_10MHz_256QAM_MCH_2595MHz_RB_50_0_NTNV



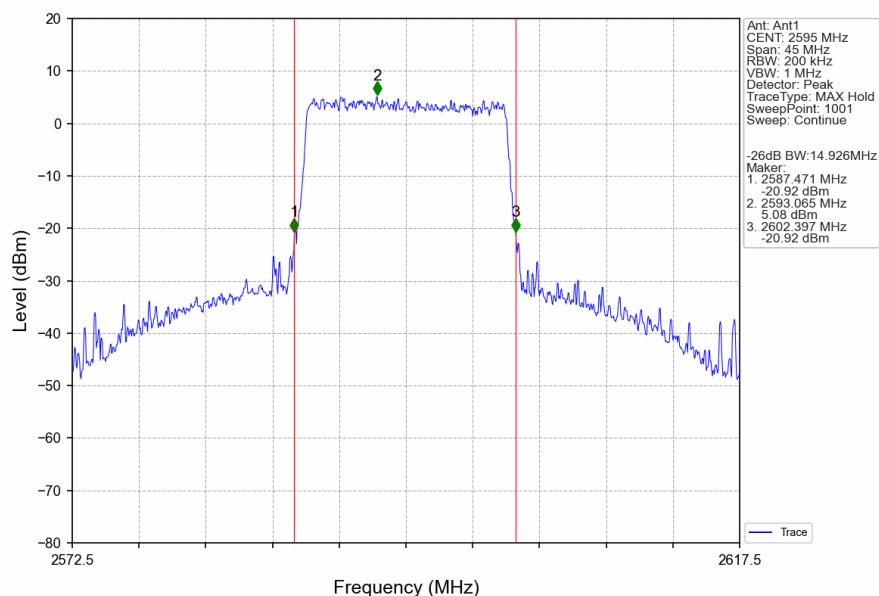
Band38_15MHz_QPSK_MCH_2595MHz_RB_75_0_NTNV



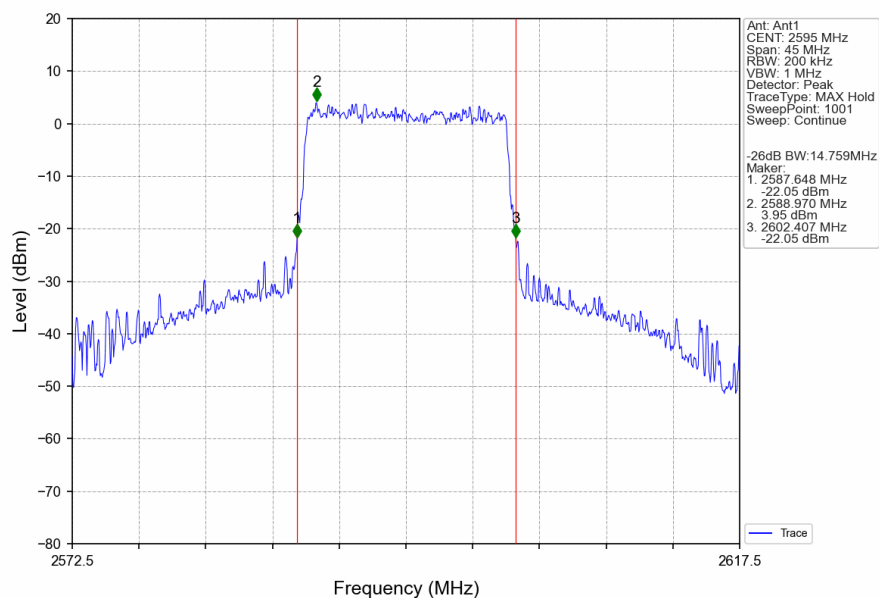
Band38_15MHz_16QAM_MCH_2595MHz_RB_75_0_NTNV



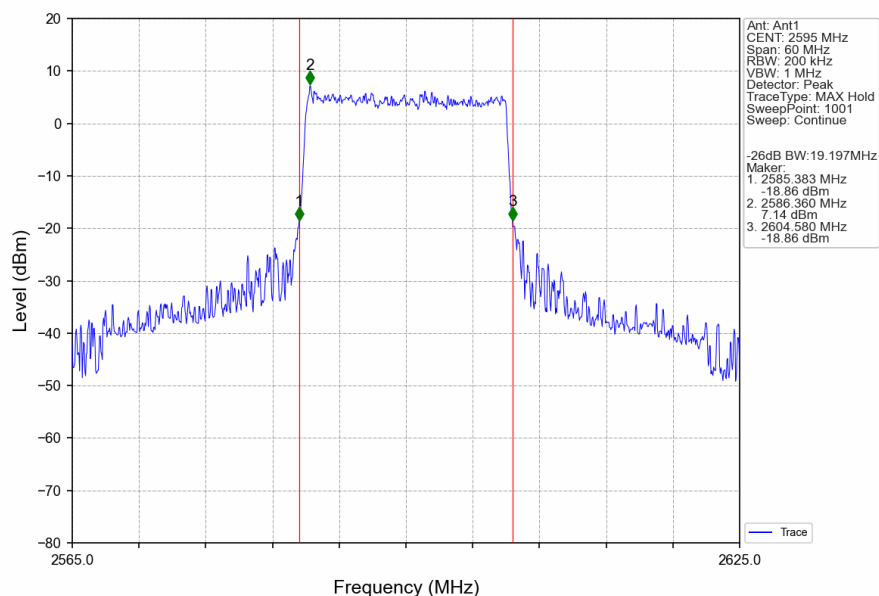
Band38_15MHz_64QAM_MCH_2595MHz_RB_75_0_NTNV



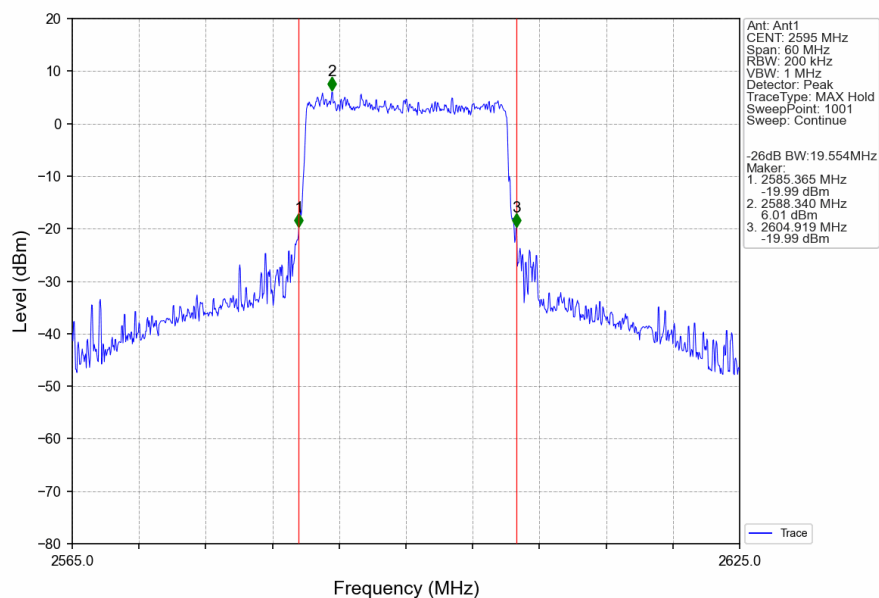
Band38_15MHz_256QAM_MCH_2595MHz_RB_75_0_NTNV



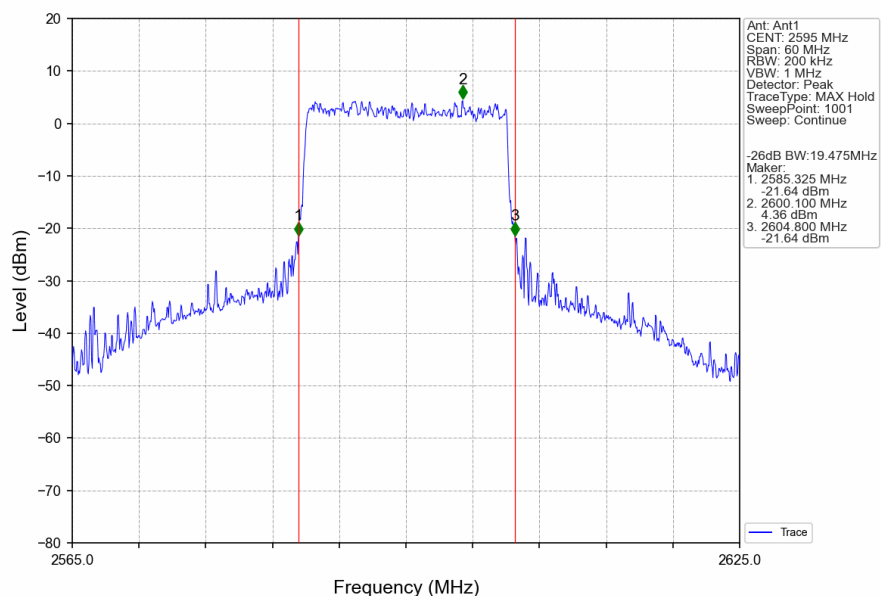
Band38 20MHz QPSK MCH 2595MHz RB 100 0 NTN



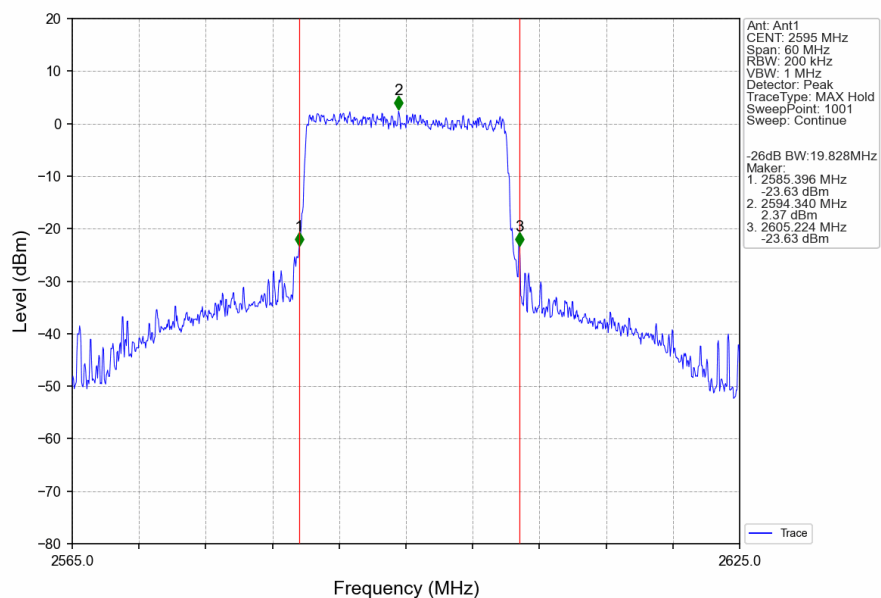
Band38 20MHz 16QAM MCH 2595MHz RB 100 0 NTN



Band38_20MHz_64QAM_MCH_2595MHz_RB_100_0_NTNV



Band38_20MHz_256QAM_MCH_2595MHz_RB_100_0_NTNV





Report No.: SUCR260400031709
Page: 28 of 65

4. Peak-Average Ratio

4.1 Test Result

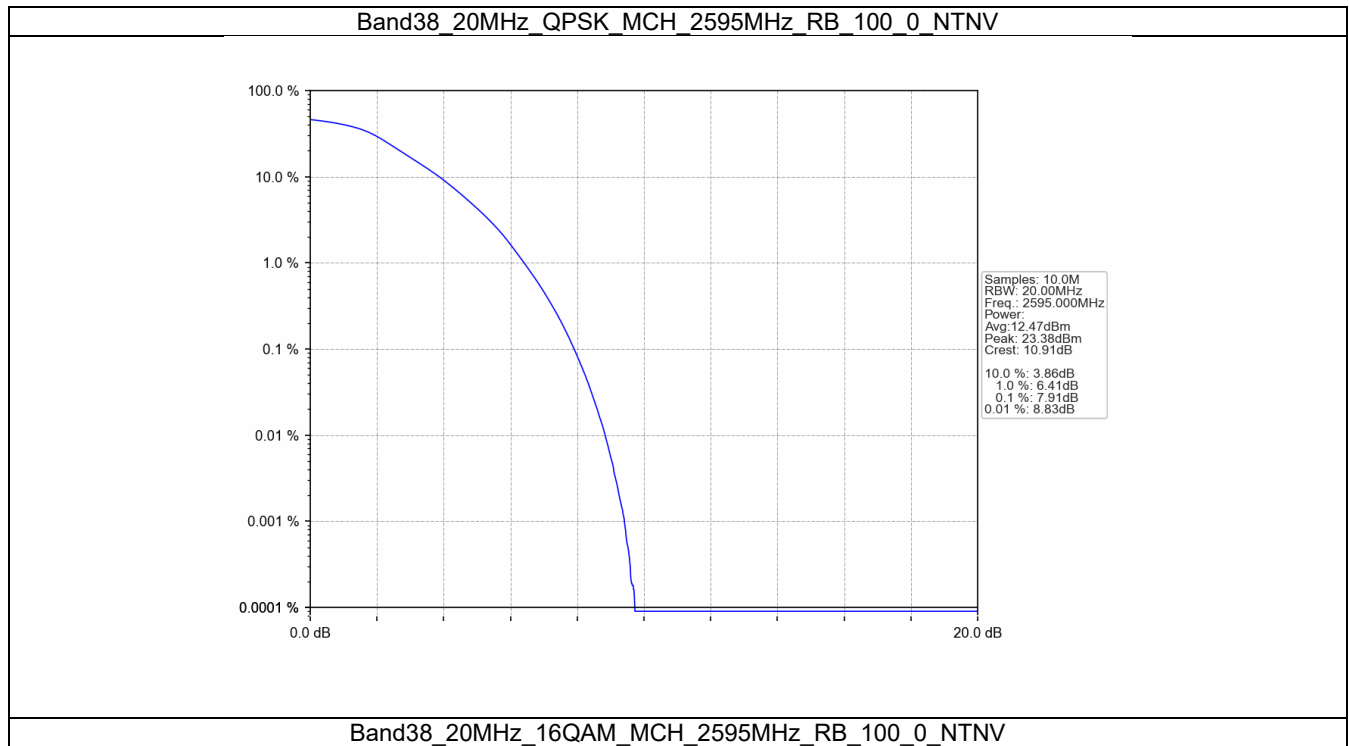
4.1.1 B38_20MHz

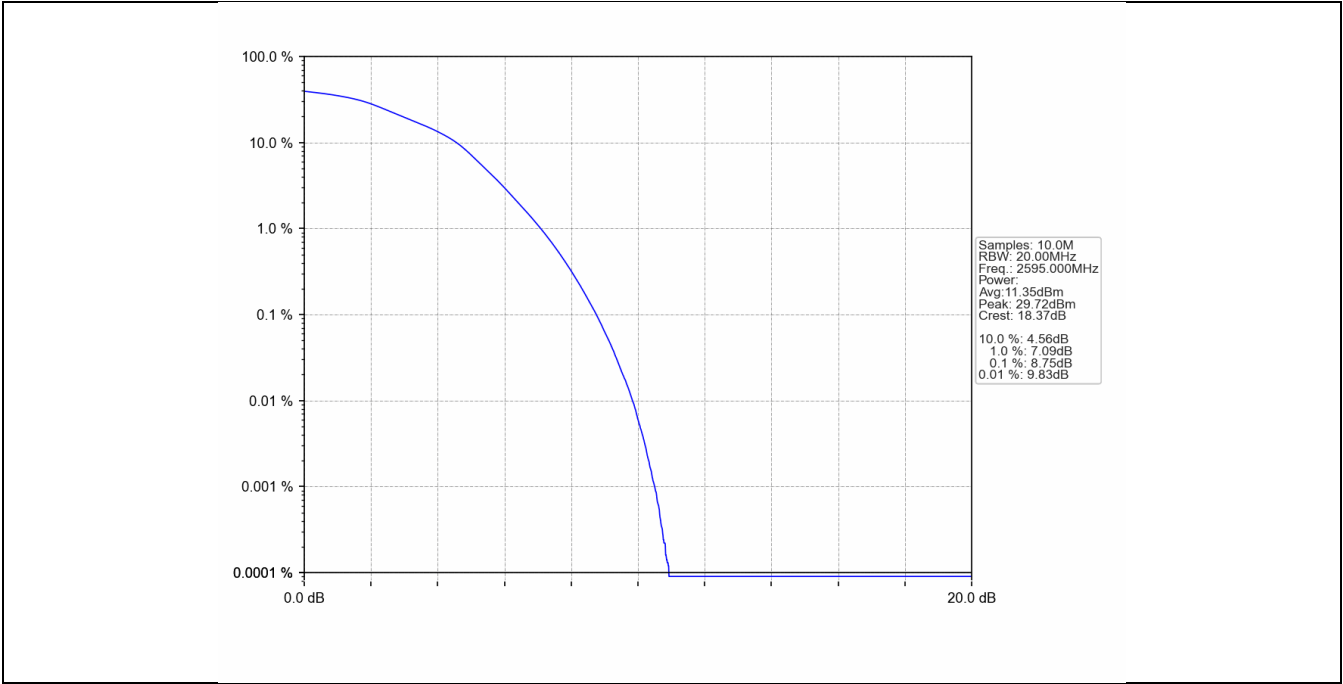
Band: 38 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2595	100	0	7.91	<=13	Pass
16QAM	2595	100	0	8.75	<=13	Pass
64QAM	2595	100	0	8.99	<=13	Pass
256QAM	2595	100	0	9.04	<=13	Pass



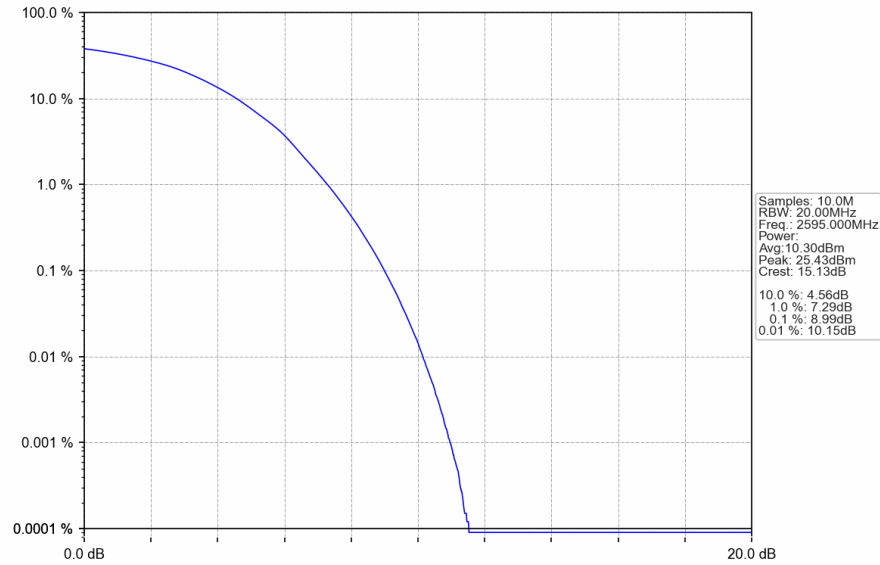
4.2 Test Graph

4.2.1 B38_20MHz

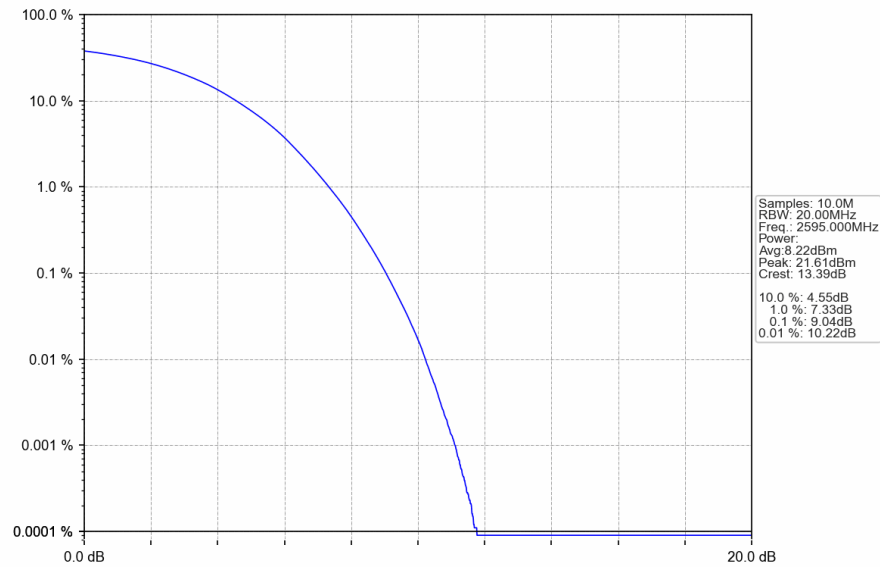




Band38_20MHz_64QAM_MCH_2595MHz_RB_100_0_NTNV



Band38_20MHz_256QAM_MCH_2595MHz_RB_100_0_NTNV





5. Spurious Emission

5.1 Test Result

5.1.1 B38_5MHz

Band: 38 / Bandwidth: 5MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	2572.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	2595	1	0	Refer To Test Graph		Pass
	2617.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass

5.1.2 B38_10MHz

Band: 38 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	2575	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	2595	1	0	Refer To Test Graph		Pass
	2615	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass

5.1.3 B38_15MHz

Band: 38 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	2577.5	1	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	2595	1	0	Refer To Test Graph		Pass
	2612.5	1	0	Refer To Test Graph		Pass
			74	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass

5.1.4 B38_20MHz

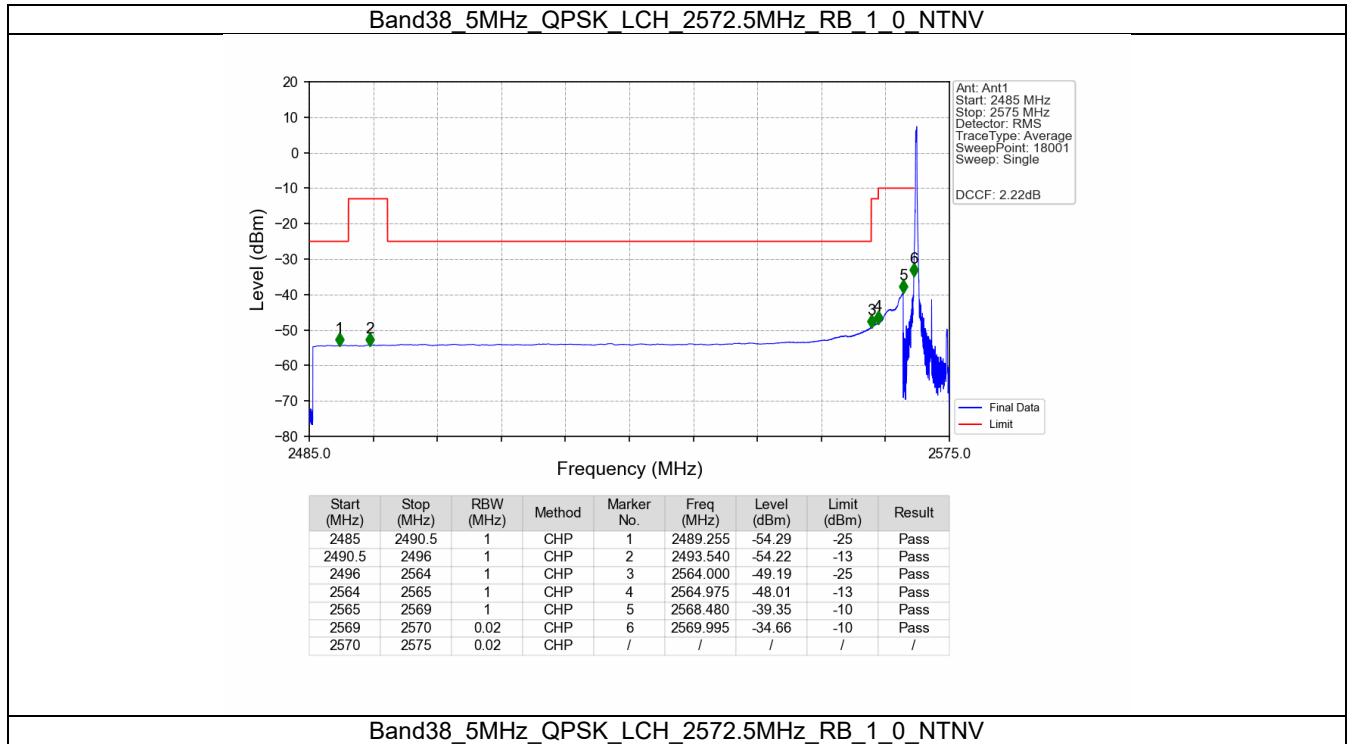
Band: 38 / Bandwidth: 20MHz / NTNV				
Modulation	Frequency	RB Allocation	Spurious Emission	Verdict

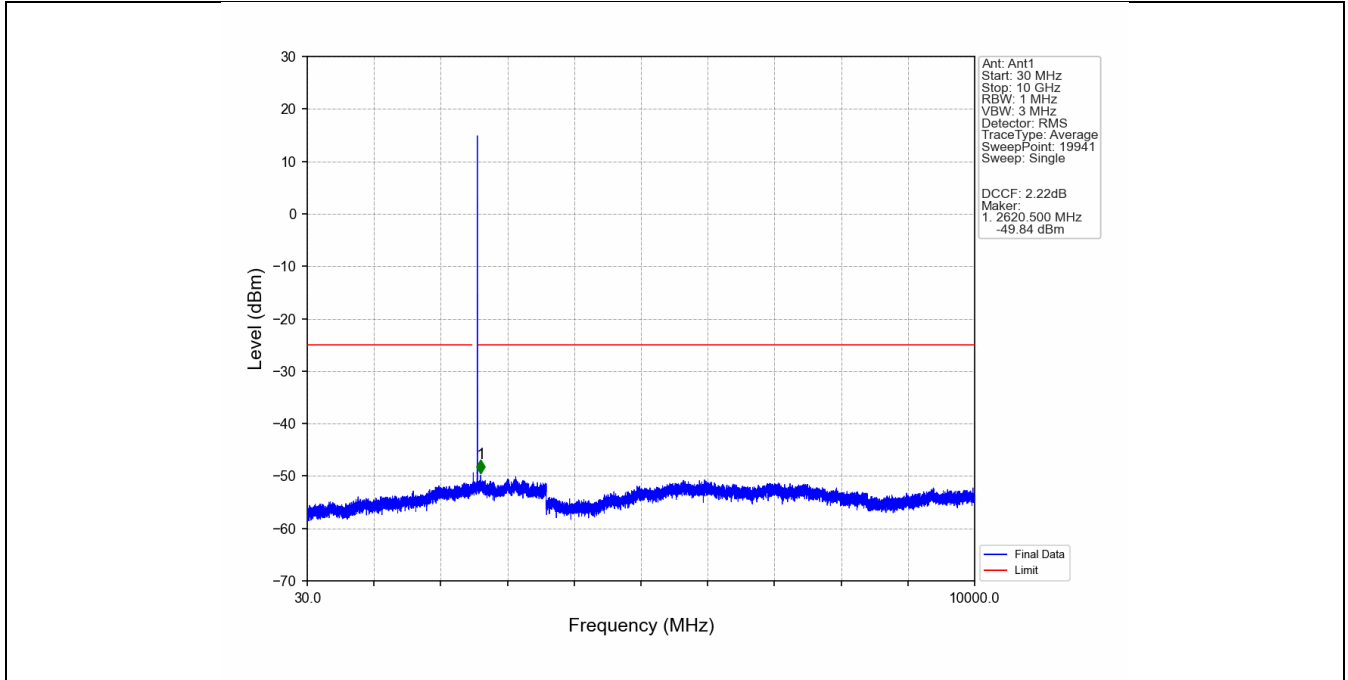


	(MHz)	Size	Offset	Result	Limit	
QPSK	2580	1	0	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	2595	1	0	Refer To Test Graph		Pass
	2610	1	0	Refer To Test Graph		Pass
			99	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass

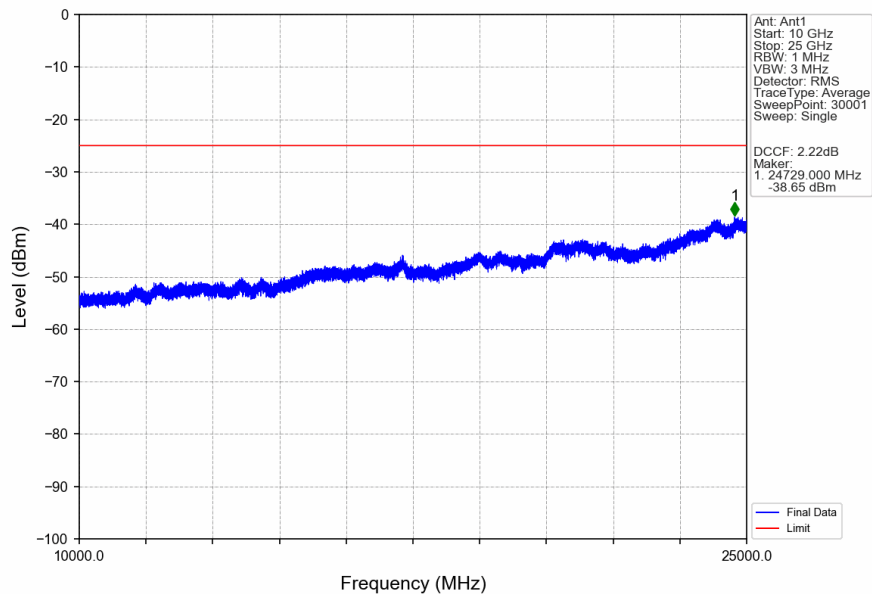
5.2 Test Graph

5.2.1 B38_5MHz

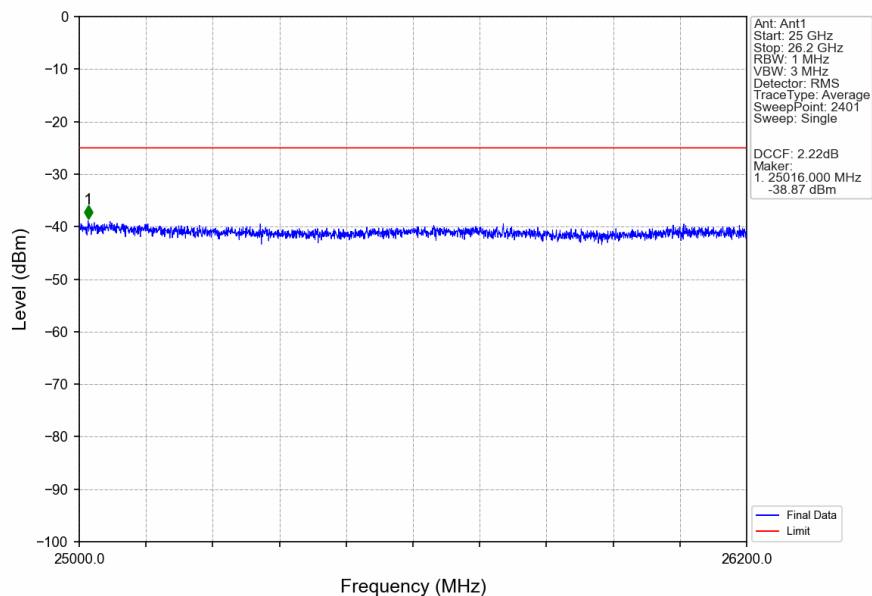




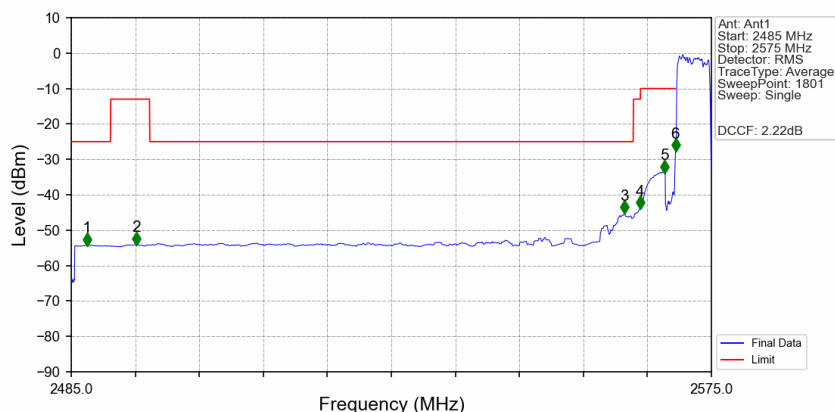
Band38_5MHz_QPSK_LCH_2572.5MHz_RB_1_0_NTNV



Band38_5MHz_QPSK_LCH_2572.5MHz_RB_1_0_NTNV

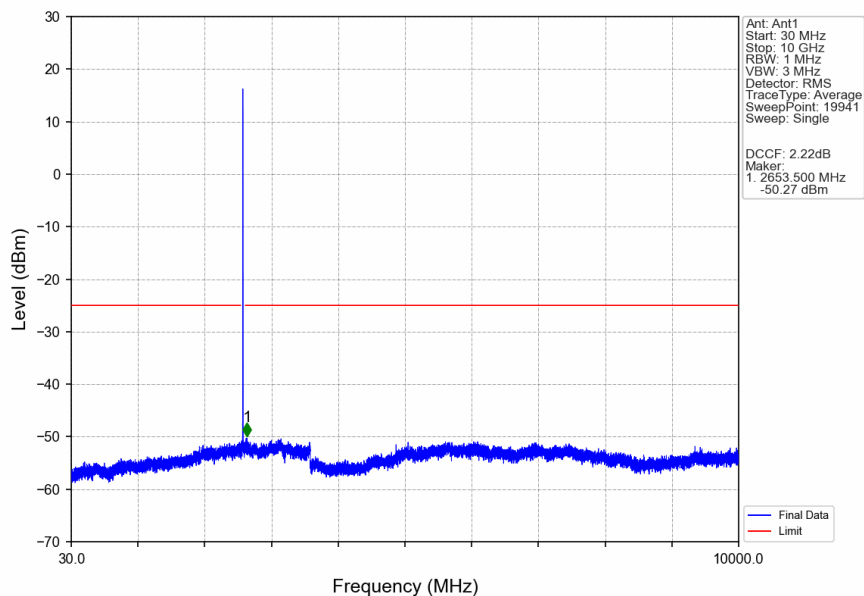


Band38_5MHz_QPSK_LCH_2572.5MHz_RB_25_0_NTNV

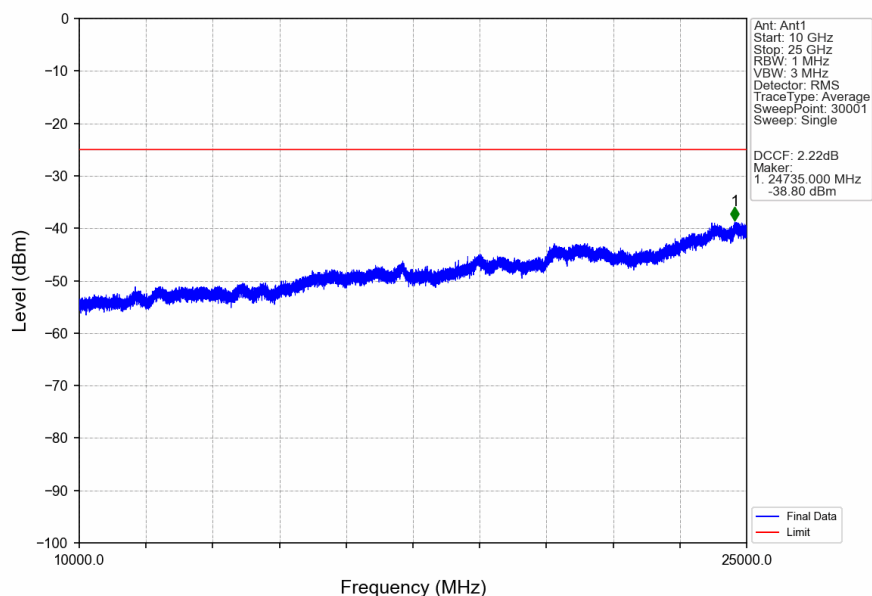


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2487.200	-54.14	-25	Pass
2490.5	2496	1	CHP	2	2494.200	-53.93	-13	Pass
2496	2564	1	CHP	3	2562.800	-45.10	-25	Pass
2564	2565	1	CHP	4	2565.000	-43.75	-13	Pass
2565	2569	1	CHP	5	2568.400	-33.57	-10	Pass
2569	2570	0.104	CHP	6	2569.950	-27.58	-10	Pass
2570	2575	0.104	CHP	/	/	/	/	/

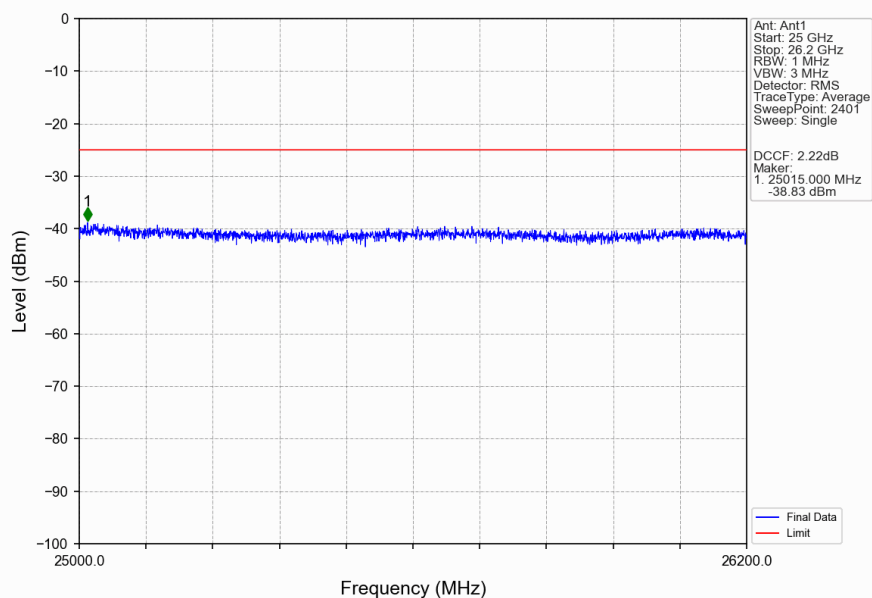
Band38_5MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



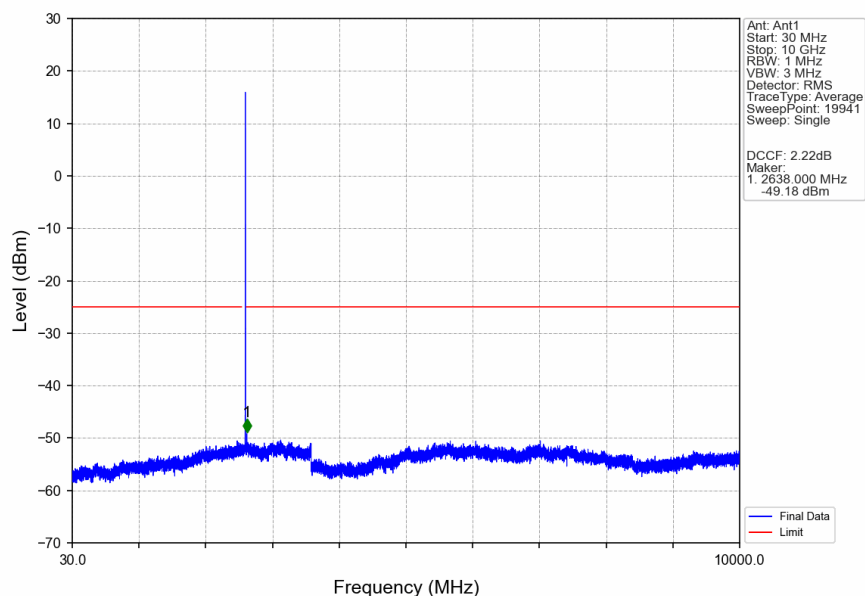
Band38_5MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



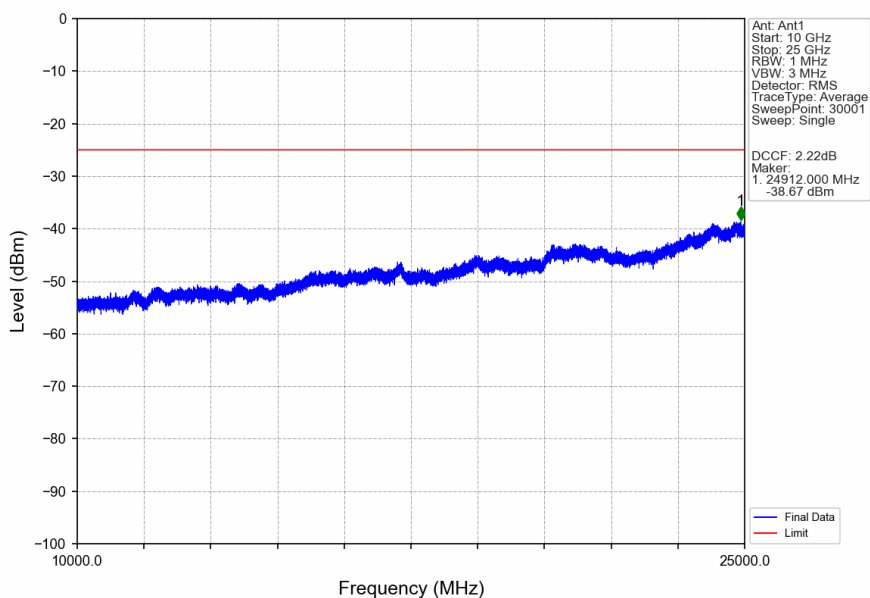
Band38_5MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



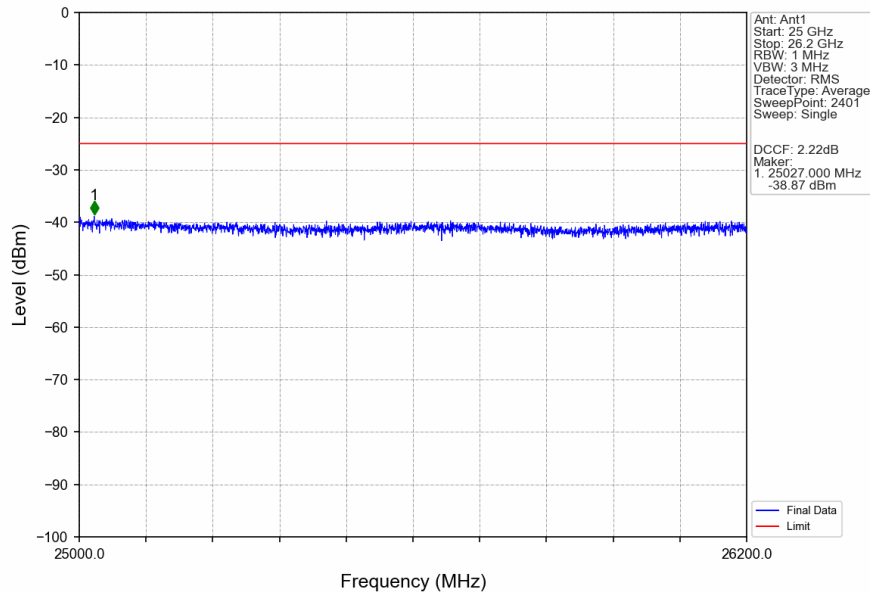
Band38_5MHz_QPSK_HCH_2617.5MHz_RB_1_0_NTNV



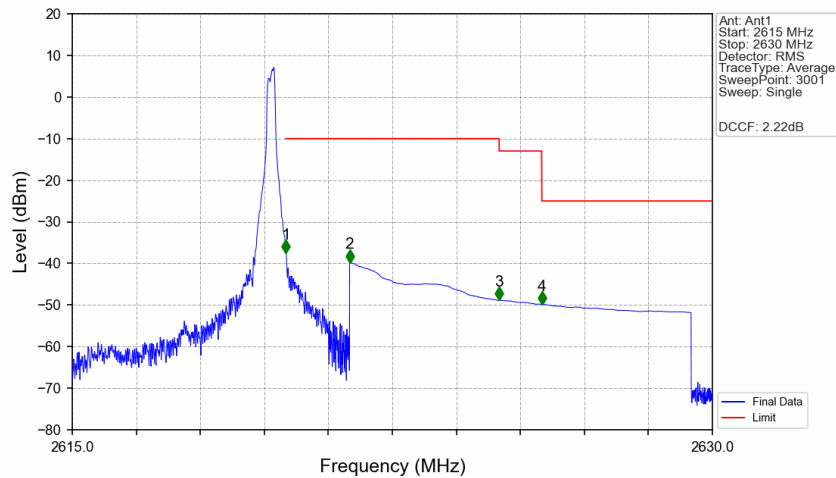
Band38_5MHz_QPSK_HCH_2617.5MHz_RB_1_0_NTNV



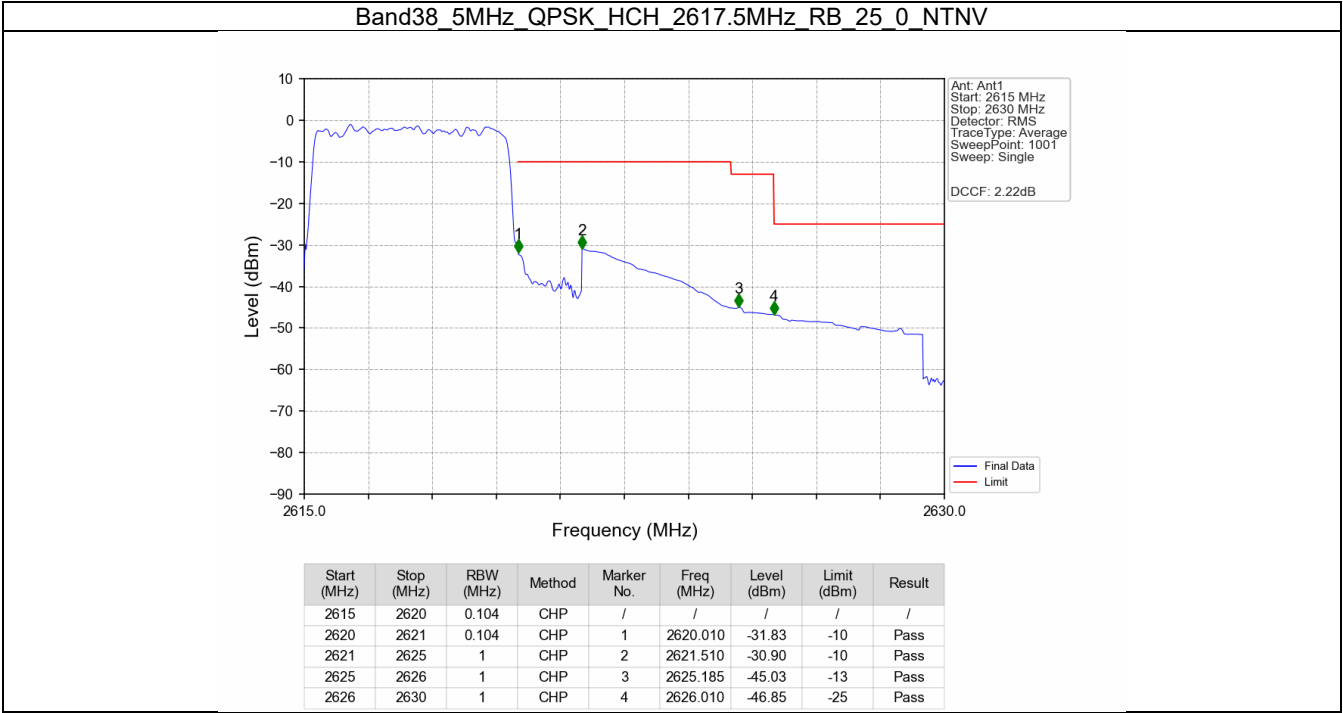
Band38_5MHz_QPSK_HCH_2617.5MHz_RB_1_0_NTNV



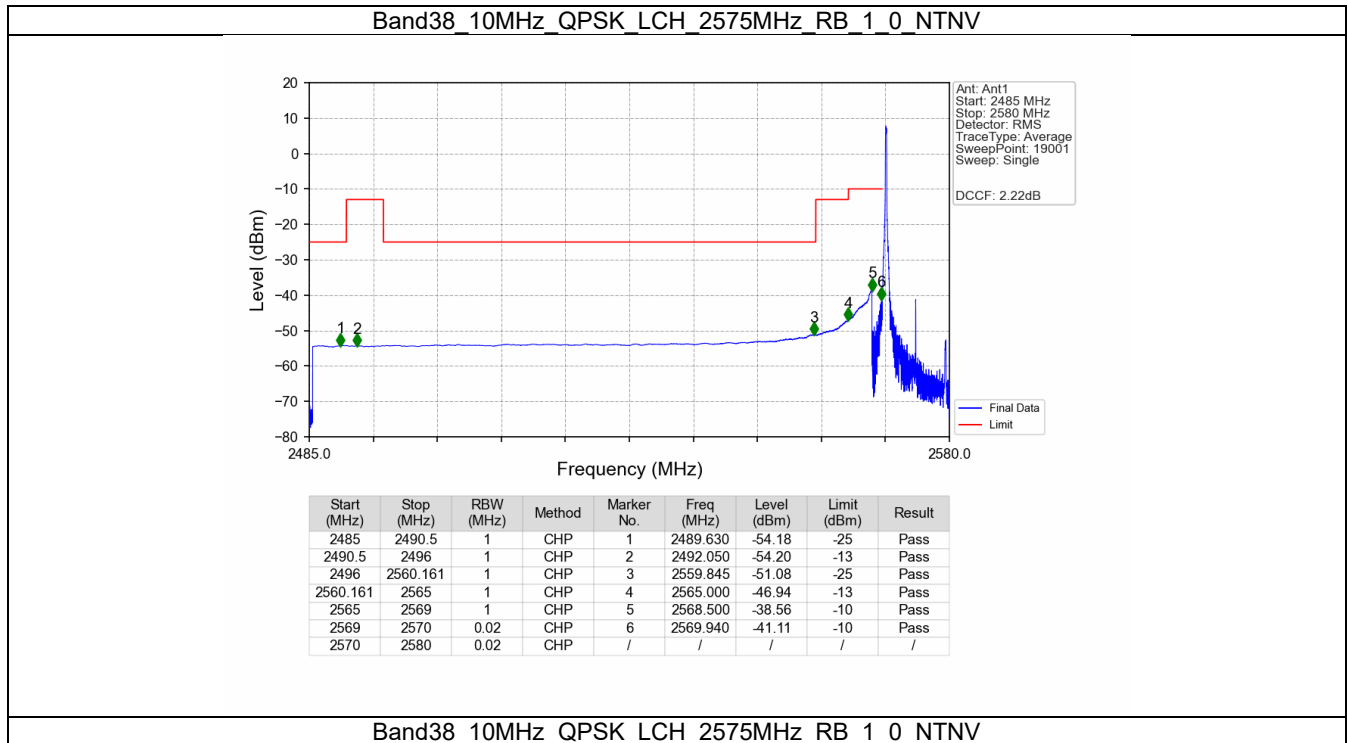
Band38_5MHz_QPSK_HCH_2617.5MHz_RB_1_24_NTNV

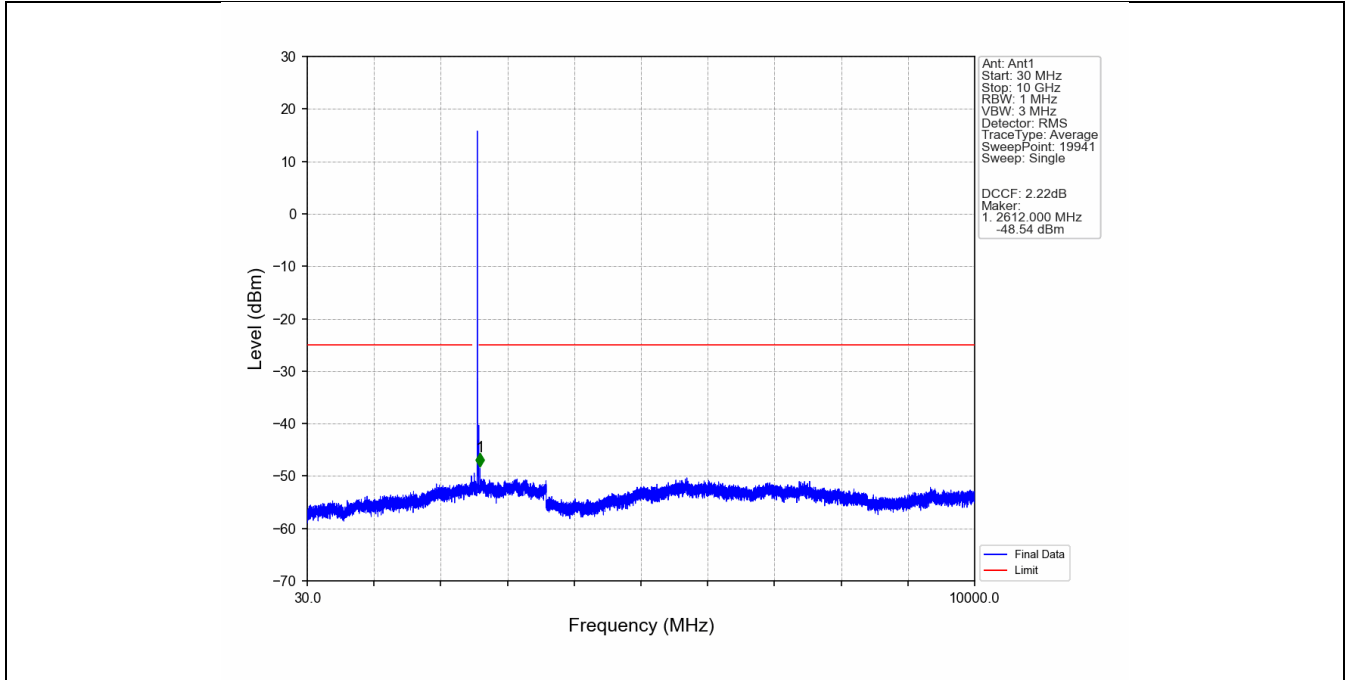


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2615	2620	0.02	CHP	/	/	/	/	/
2620	2621	0.02	CHP	1	2620.005	-37.42	-10	Pass
2621	2625	1	CHP	2	2621.500	-39.78	-10	Pass
2625	2626	1	CHP	3	2625.005	-48.83	-13	Pass
2626	2630	1	CHP	4	2626.005	-49.83	-25	Pass

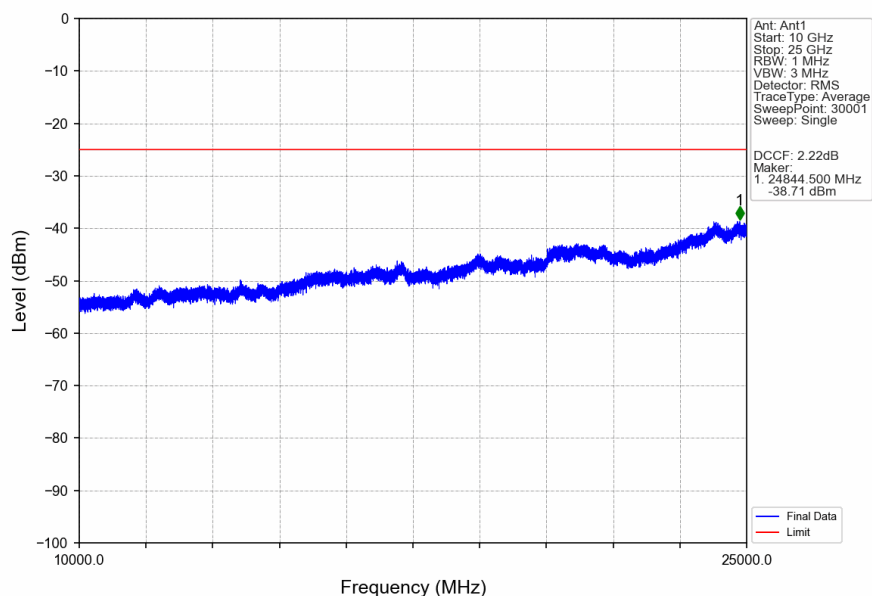


5.2.2 B38_10MHz

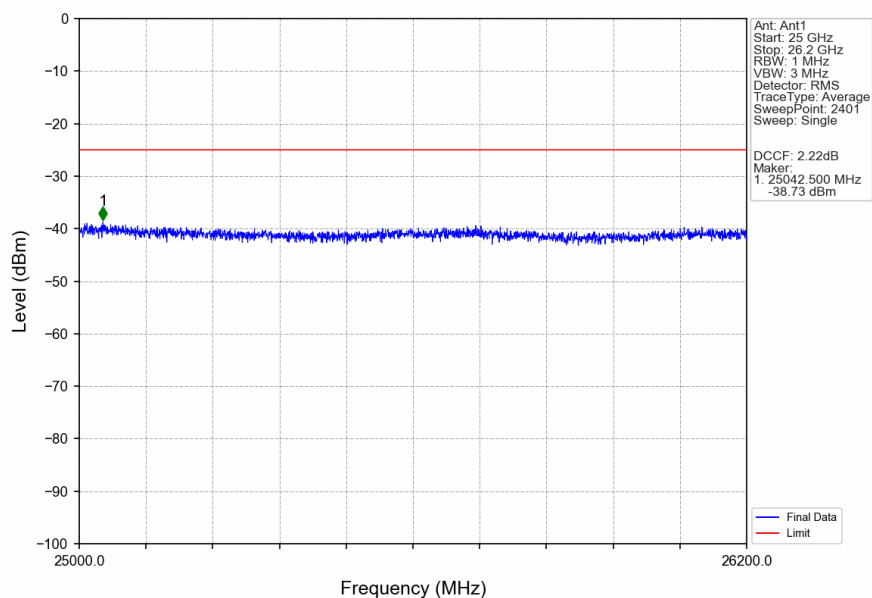




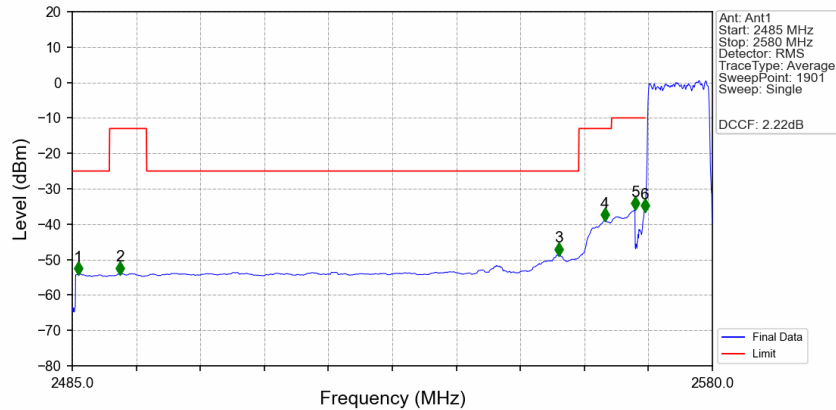
Band38_10MHz_QPSK_LCH_2575MHz_RB_1_0_NTNV



Band38_10MHz_QPSK_LCH_2575MHz_RB_1_0_NTNV

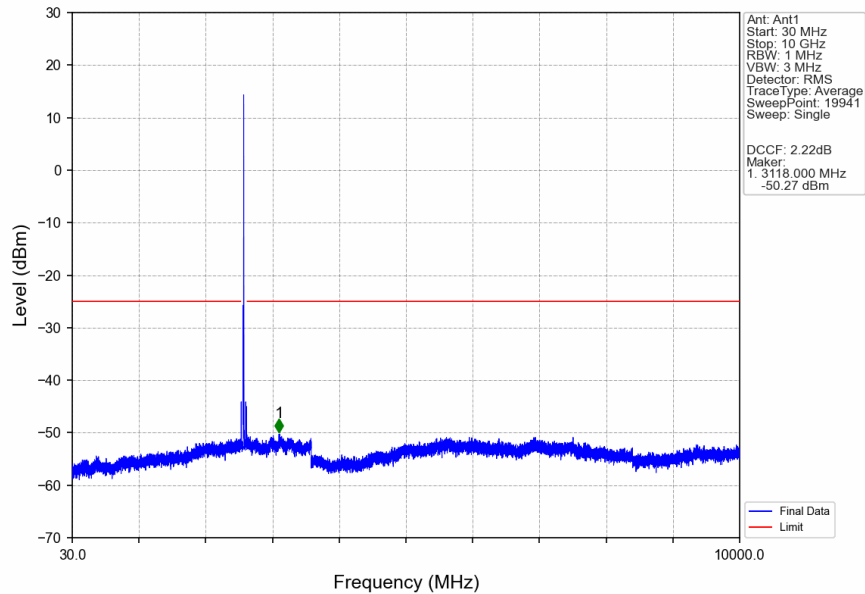


Band38_10MHz_QPSK_LCH_2575MHz_RB_50_0_NTNV

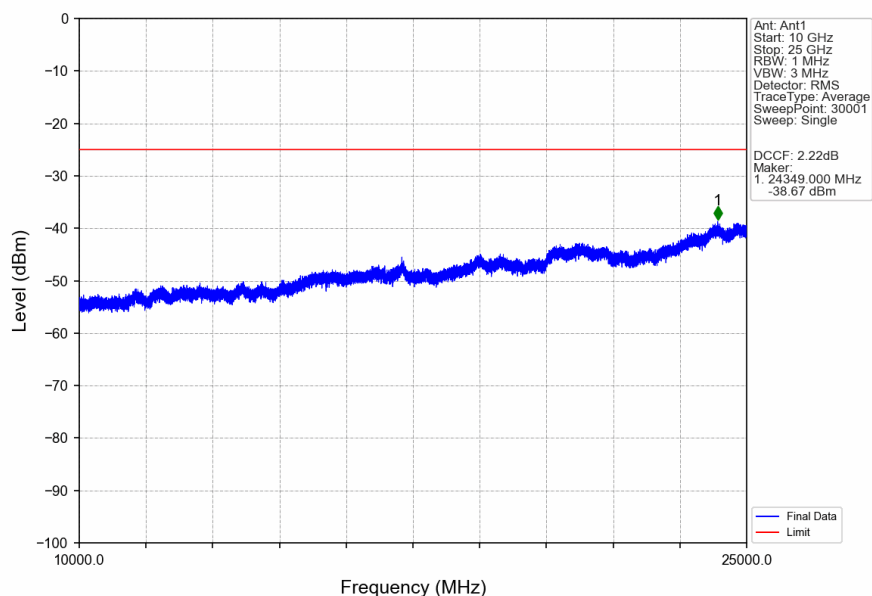


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2485.900	-54.06	-25	Pass
2490.5	2496	1	CHP	2	2492.100	-53.95	-13	Pass
2496	2560.161	1	CHP	3	2557.250	-48.61	-25	Pass
2560.161	2565	1	CHP	4	2564.000	-38.93	-13	Pass
2565	2569	1	CHP	5	2568.500	-35.73	-10	Pass
2569	2570	0.197	CHP	6	2569.950	-36.31	-10	Pass
2570	2580	0.197	CHP	/	/	/	/	/

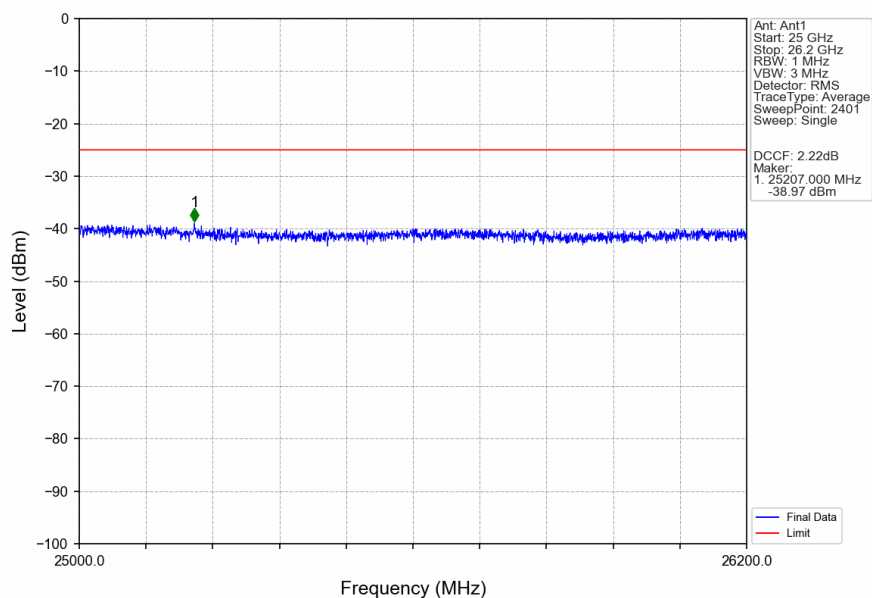
Band38_10MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



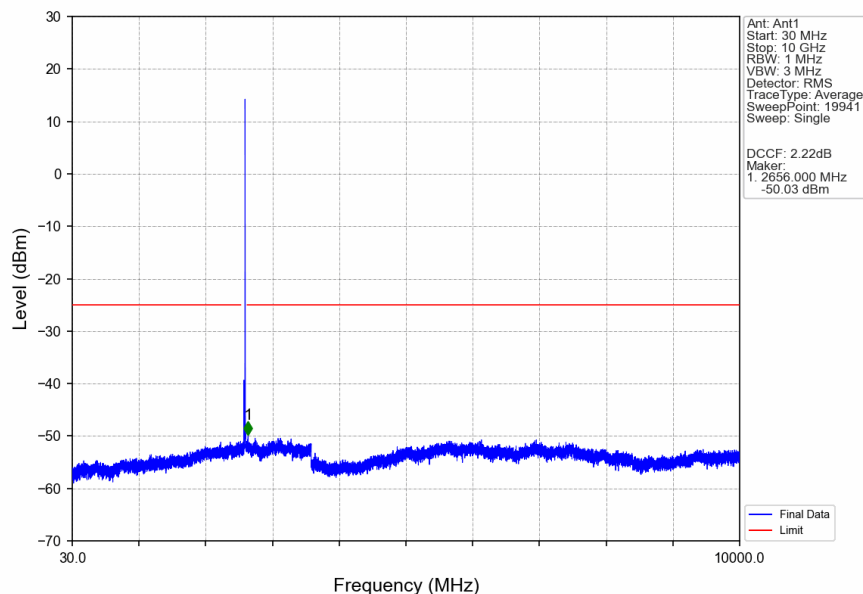
Band38_10MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



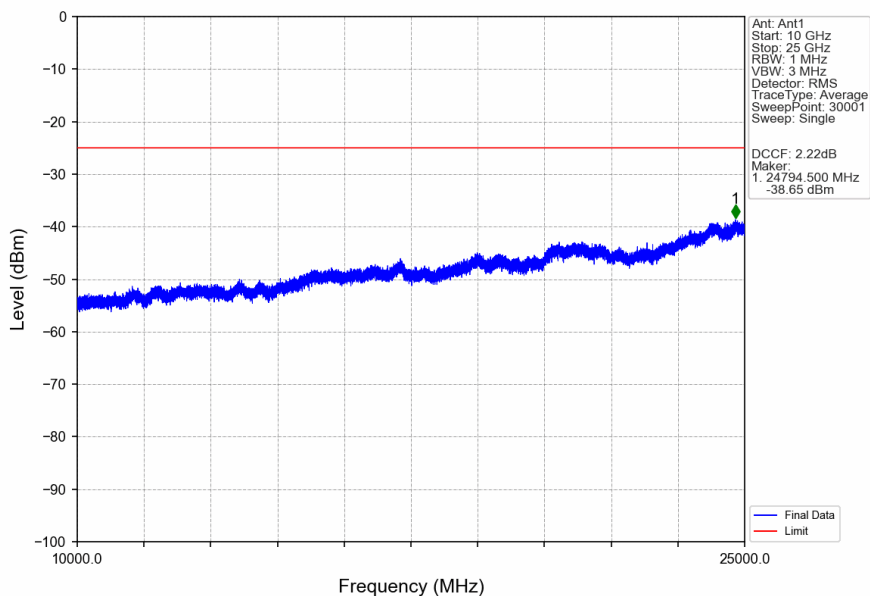
Band38_10MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



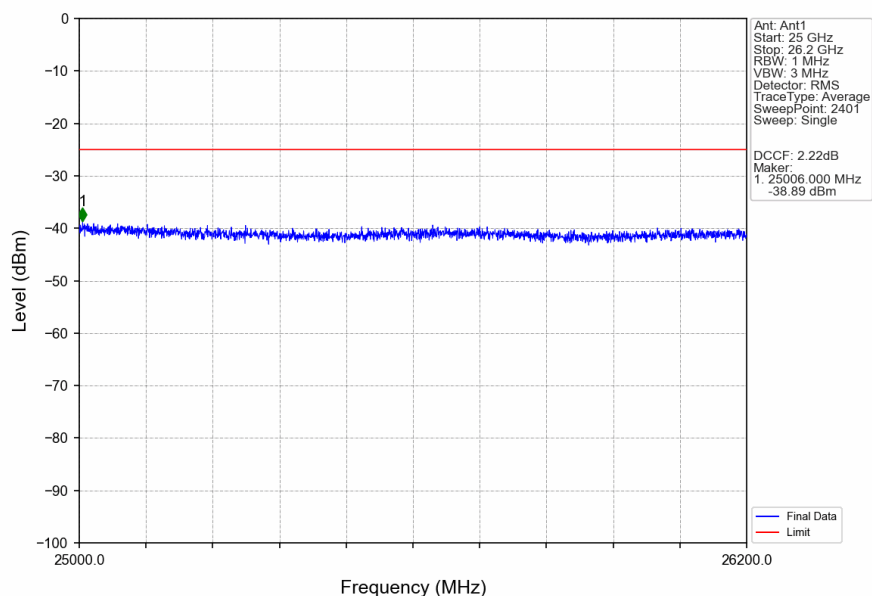
Band38_10MHz_QPSK_HCH_2615MHz_RB_1_0_NTNV



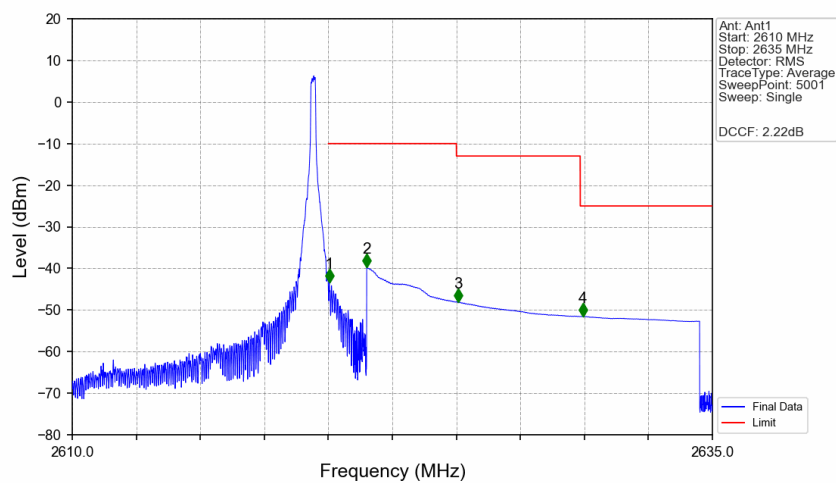
Band38_10MHz_QPSK_HCH_2615MHz_RB_1_0_NTNV



Band38_10MHz_QPSK_HCH_2615MHz_RB_1_0_NTNV

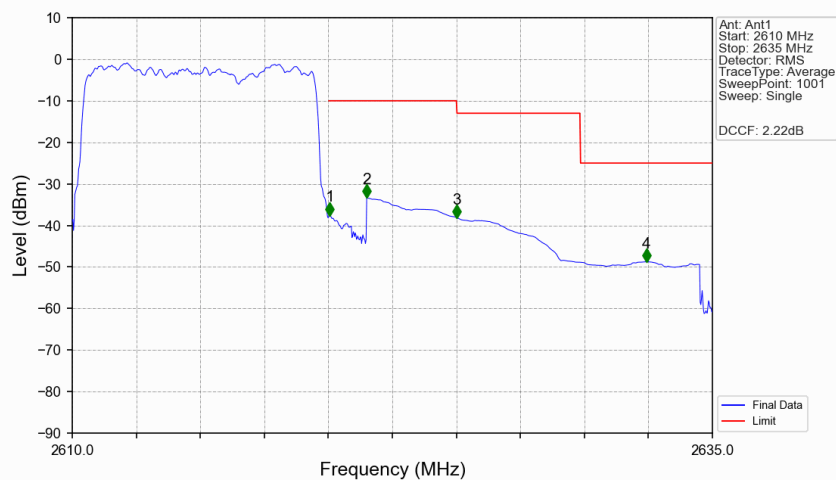


Band38_10MHz_QPSK_HCH_2615MHz_RB_1_49_NTNV



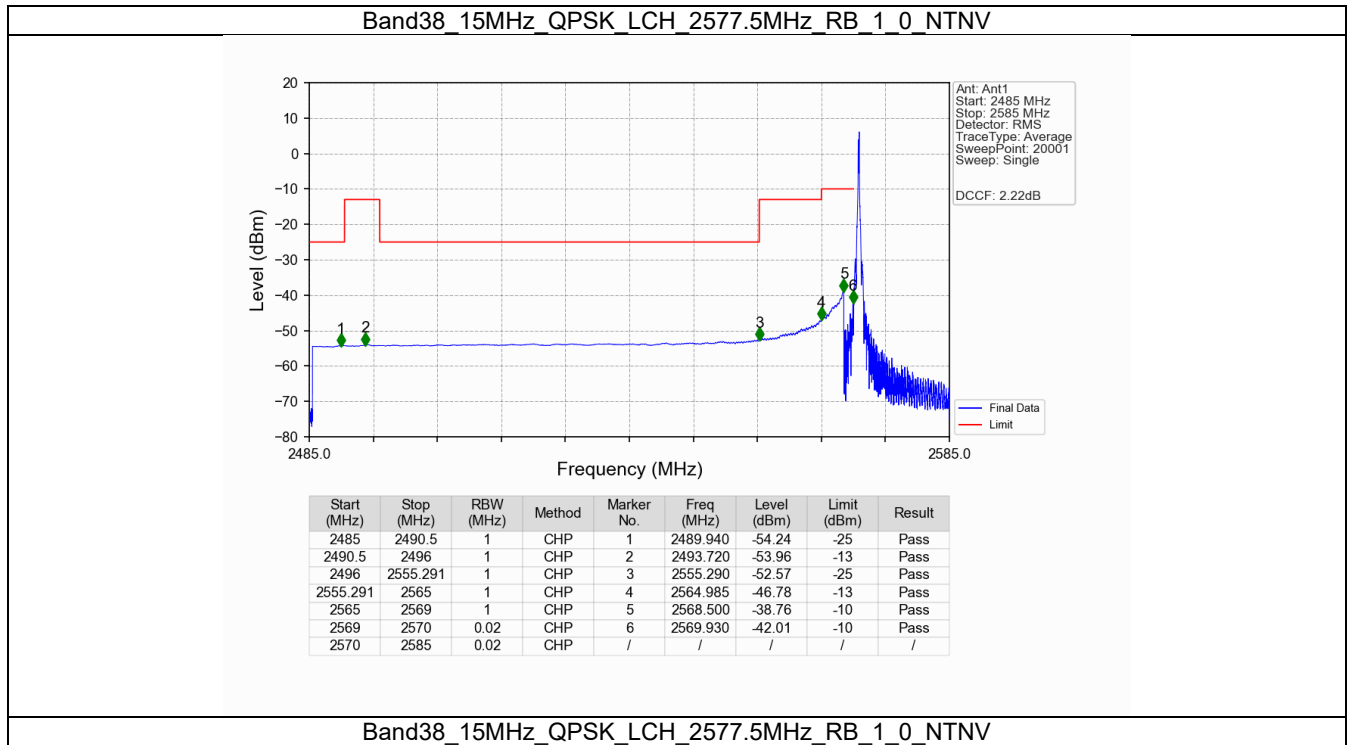
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2610	2620	0.02	CHP	/	/	/	/	/
2620	2621	0.02	CHP	1	2620.040	-43.29	-10	Pass
2621	2625	1	CHP	2	2621.500	-39.71	-10	Pass
2625	2629.839	1	CHP	3	2625.075	-48.07	-13	Pass
2629.839	2635	1	CHP	4	2629.935	-51.53	-25	Pass

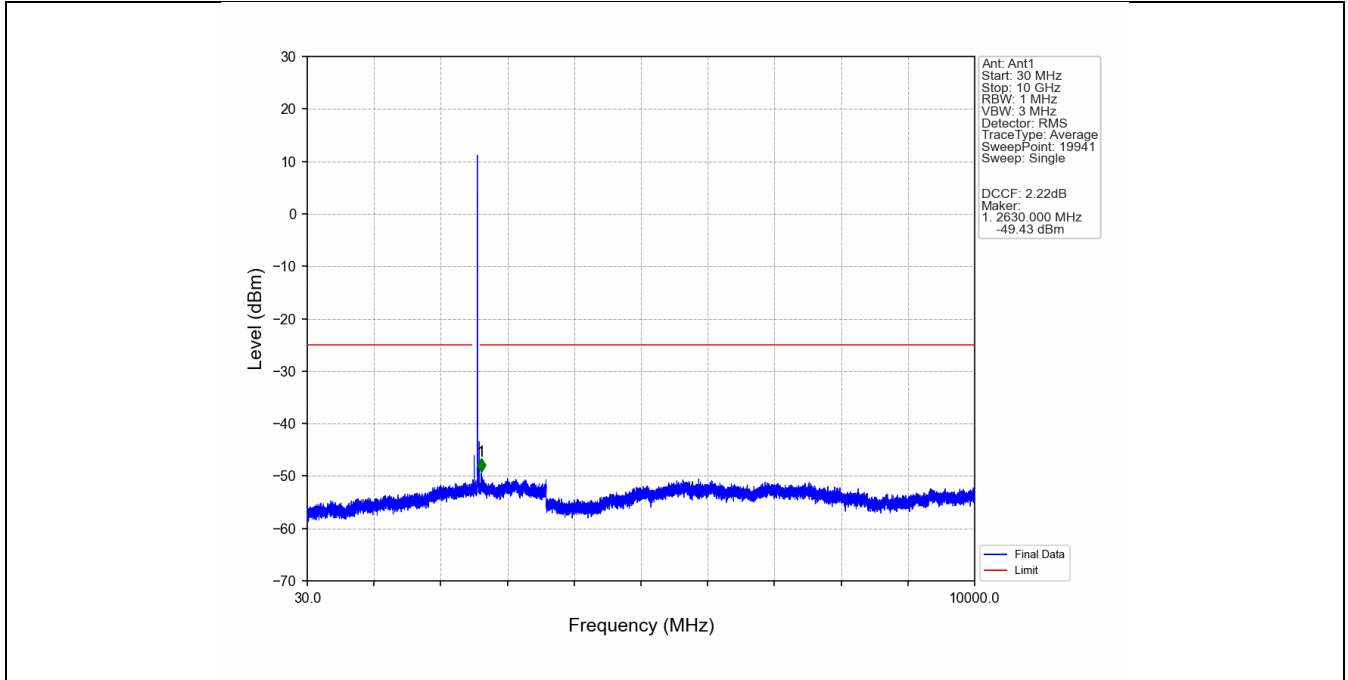
Band38_10MHz_QPSK_HCH_2615MHz_RB_50_0_NTNV



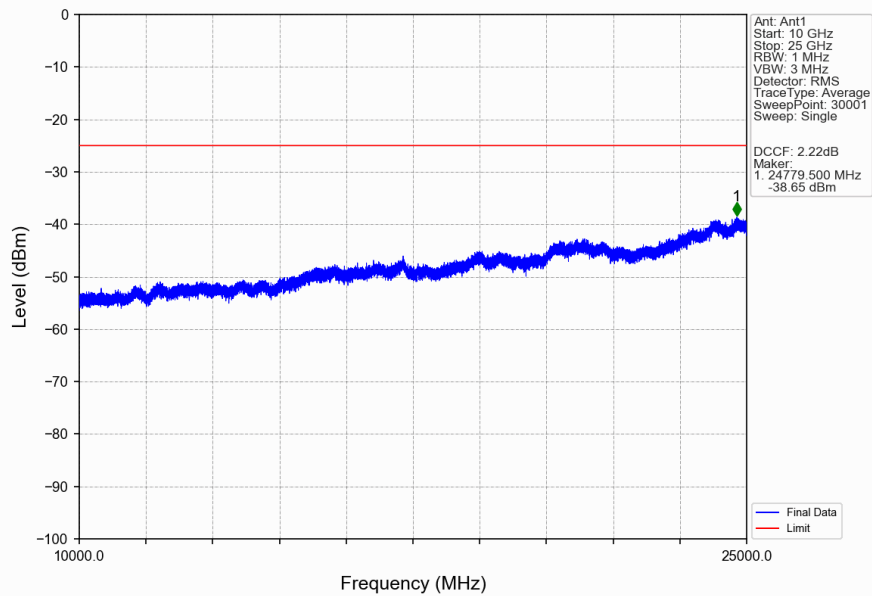
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2610	2620	0.197	CHP	/	/	/	/	/
2620	2621	0.197	CHP	1	2620.050	-37.58	-10	Pass
2621	2625	1	CHP	2	2621.500	-33.31	-10	Pass
2625	2629.839	1	CHP	3	2625.025	-38.14	-13	Pass
2629.839	2635	1	CHP	4	2632.425	-48.74	-25	Pass

5.2.3 B38_15MHz

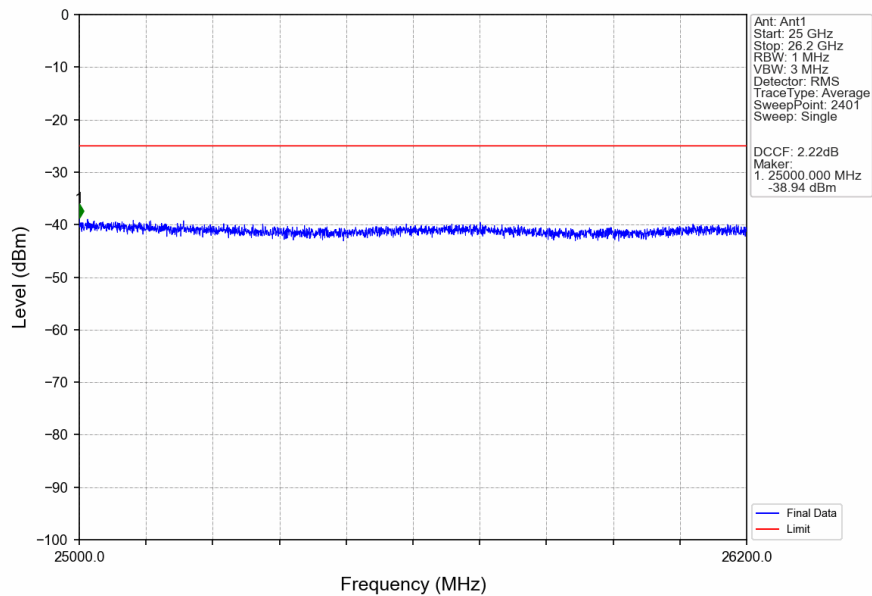




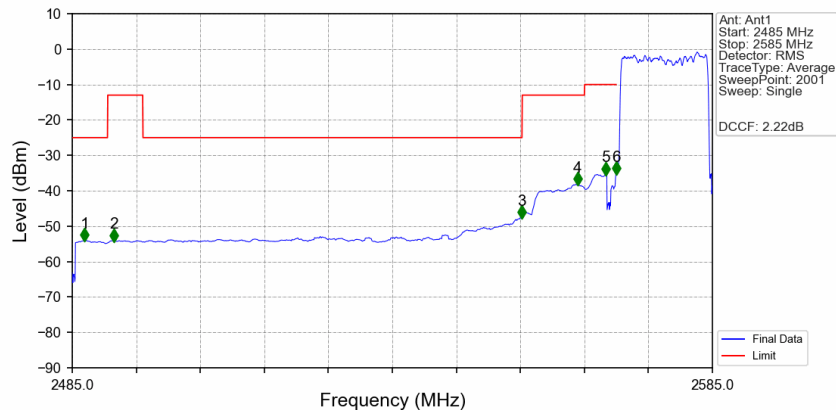
Band38_15MHz_QPSK_LCH_2577.5MHz_RB_1_0_NTNV



Band38_15MHz_QPSK_LCH_2577.5MHz_RB_1_0_NTNV

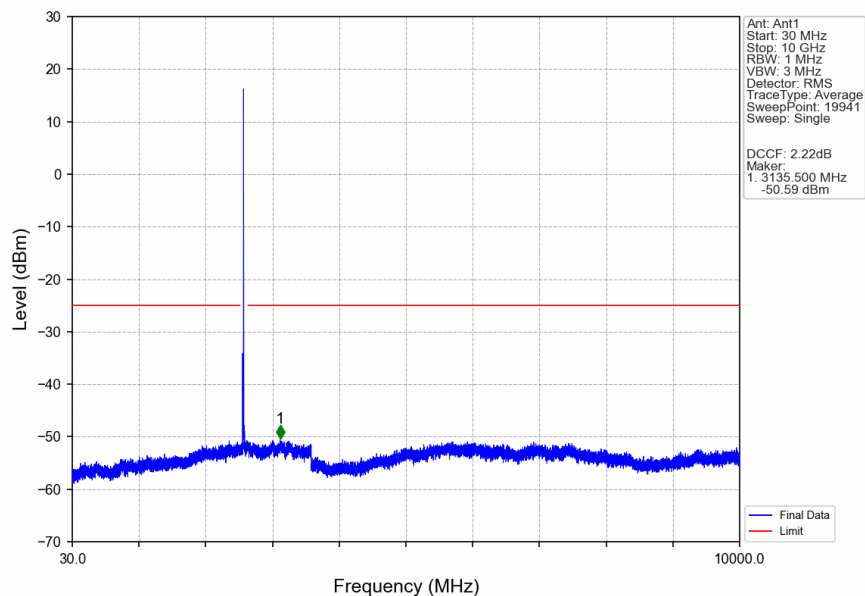


Band38_15MHz_QPSK_LCH_2577.5MHz_RB_75_0_NTNV

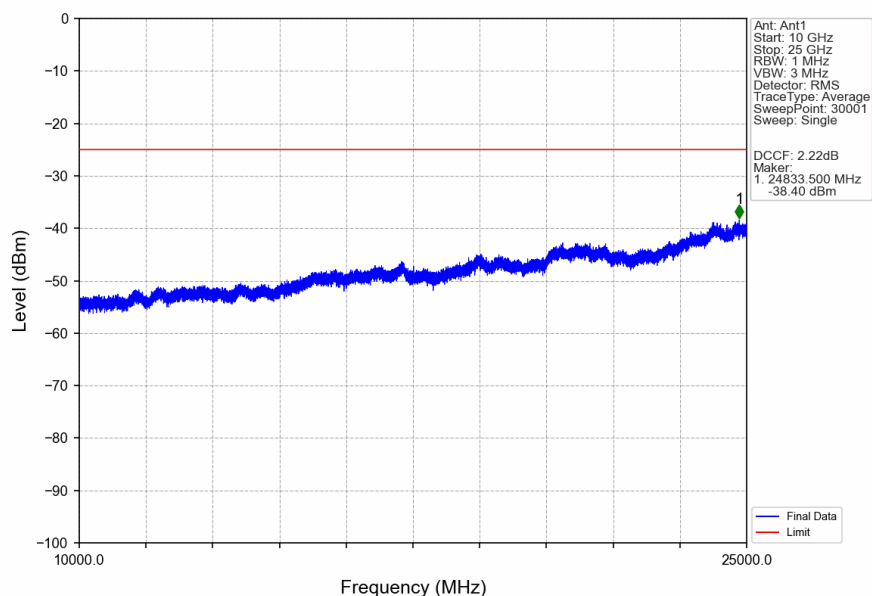


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2486.900	-54.01	-25	Pass
2490.5	2496	1	CHP	2	2491.550	-54.09	-13	Pass
2496	2555.291	1	CHP	3	2555.250	-47.59	-25	Pass
2555.291	2565	1	CHP	4	2563.950	-38.15	-13	Pass
2565	2569	1	CHP	5	2568.350	-35.31	-10	Pass
2569	2570	0.294	CHP	6	2569.950	-35.16	-10	Pass
2570	2585	0.294	CHP	/	/	/	/	/

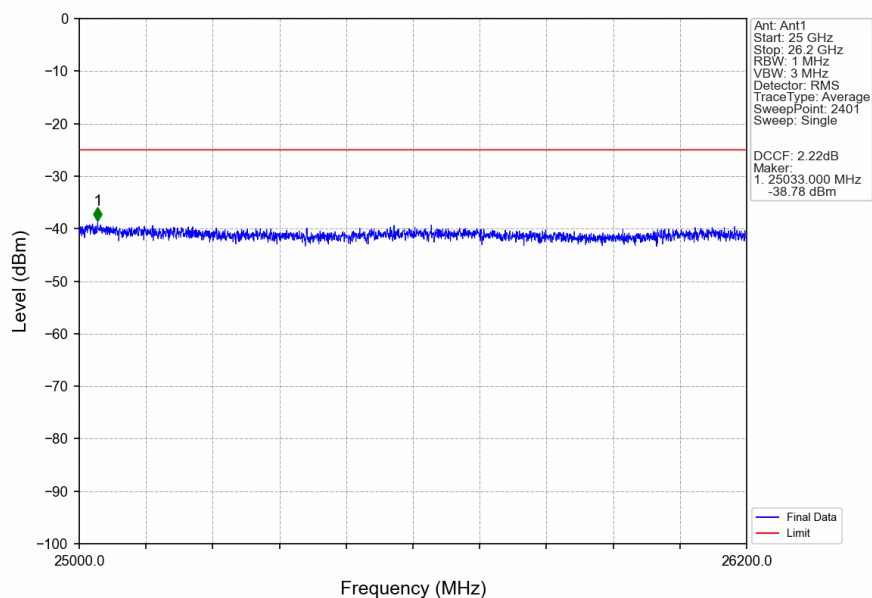
Band38_15MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



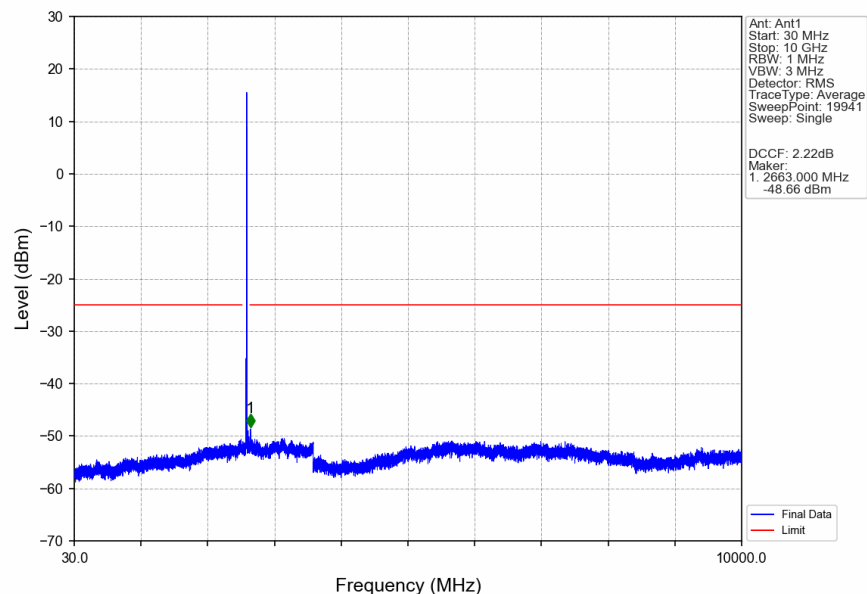
Band38_15MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



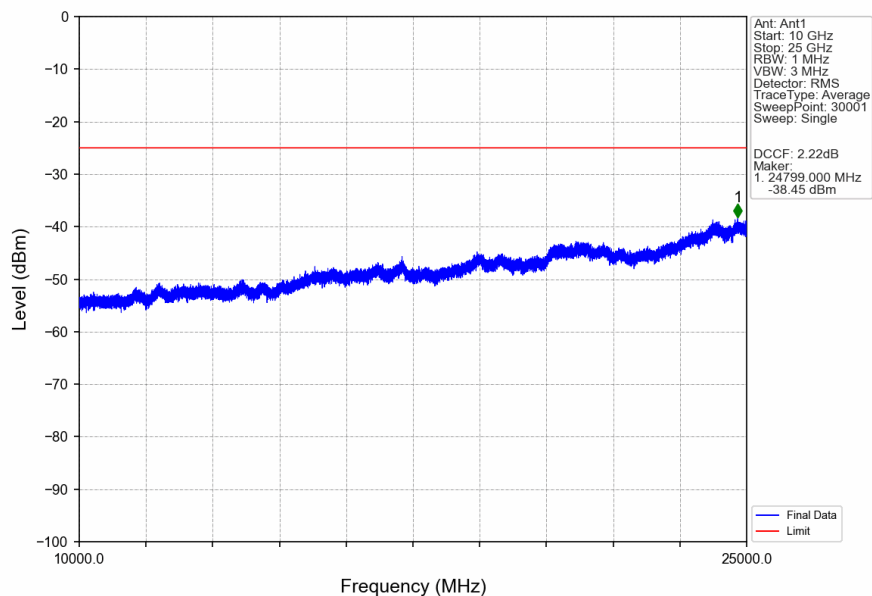
Band38_15MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



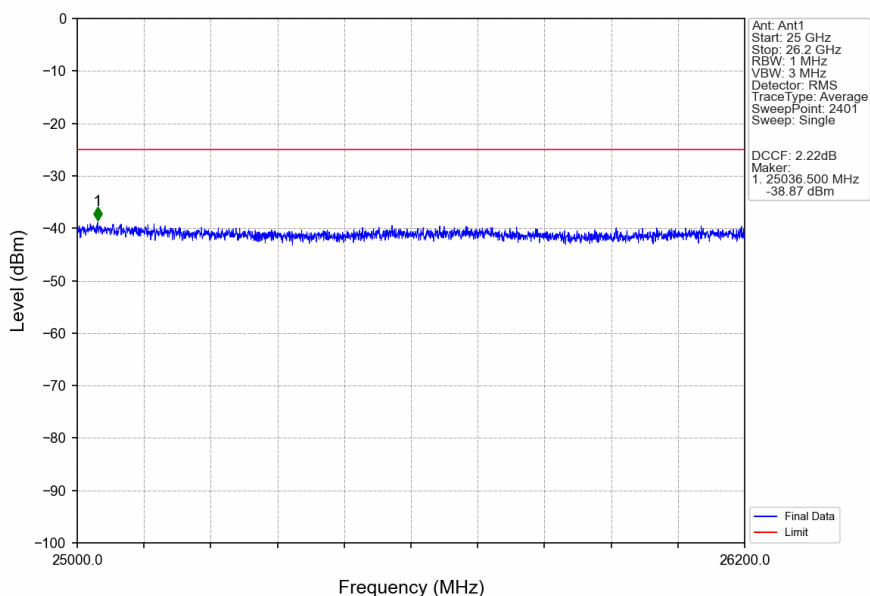
Band38_15MHz_QPSK_HCH_2612.5MHz_RB_1_0_NTNV



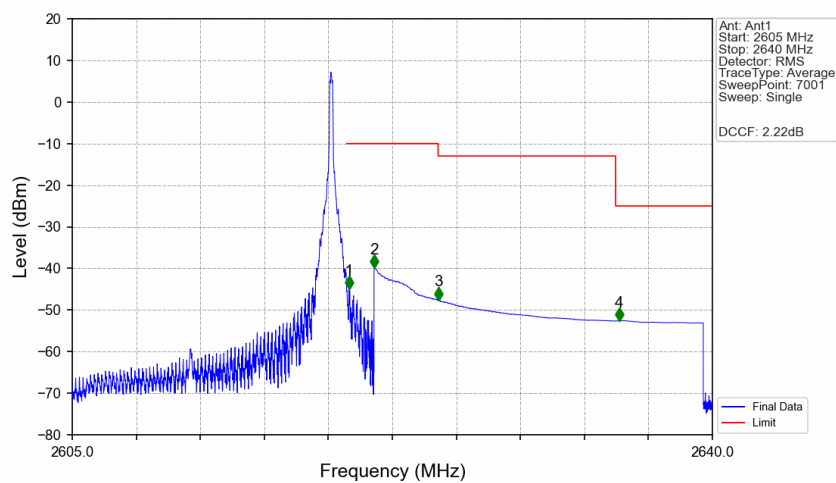
Band38_15MHz_QPSK_HCH_2612.5MHz_RB_1_0_NTNV



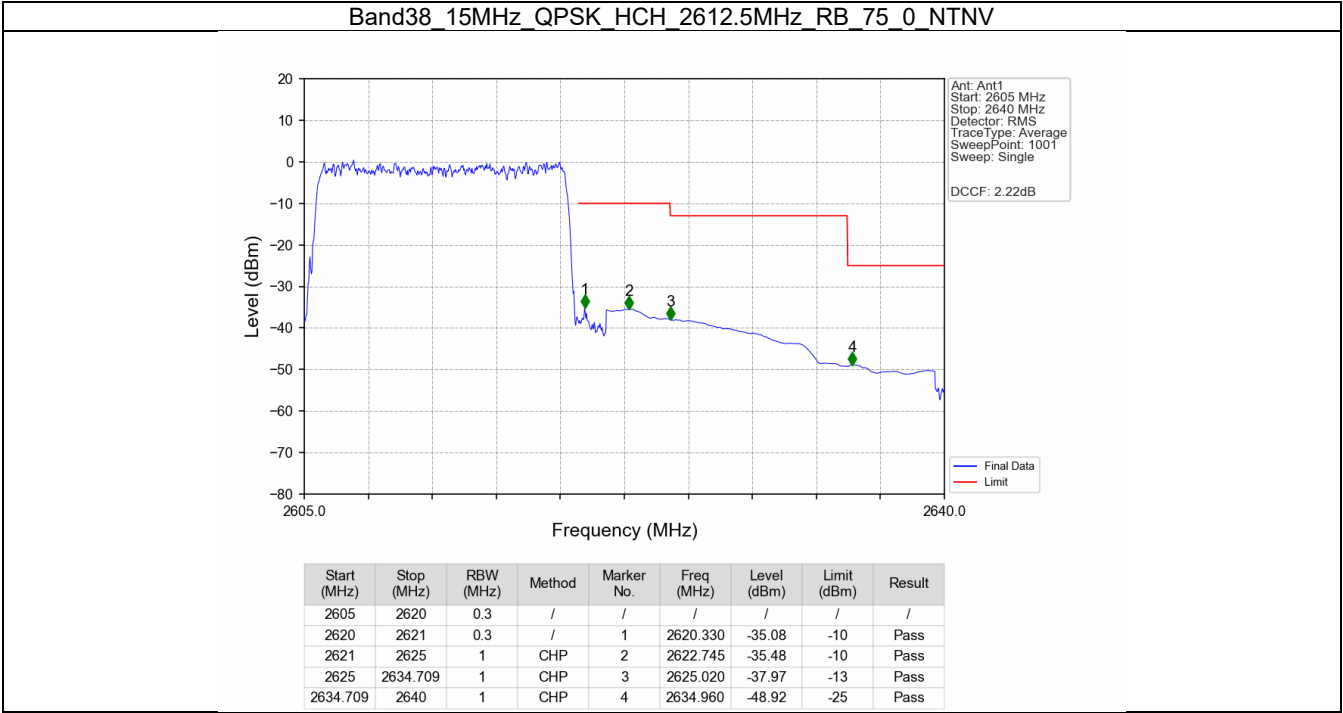
Band38_15MHz_QPSK_HCH_2612.5MHz_RB_1_0_NTNV



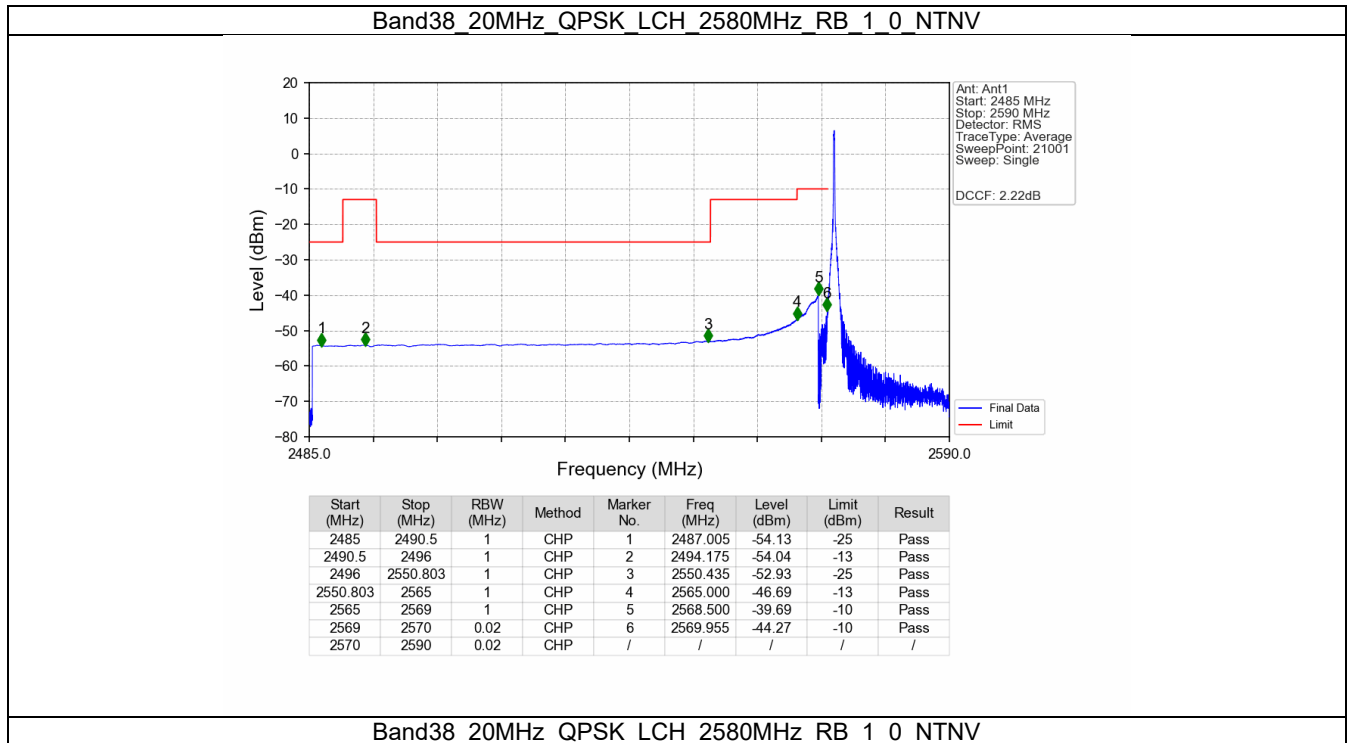
Band38_15MHz_QPSK_HCH_2612.5MHz_RB_1_74_NTNV

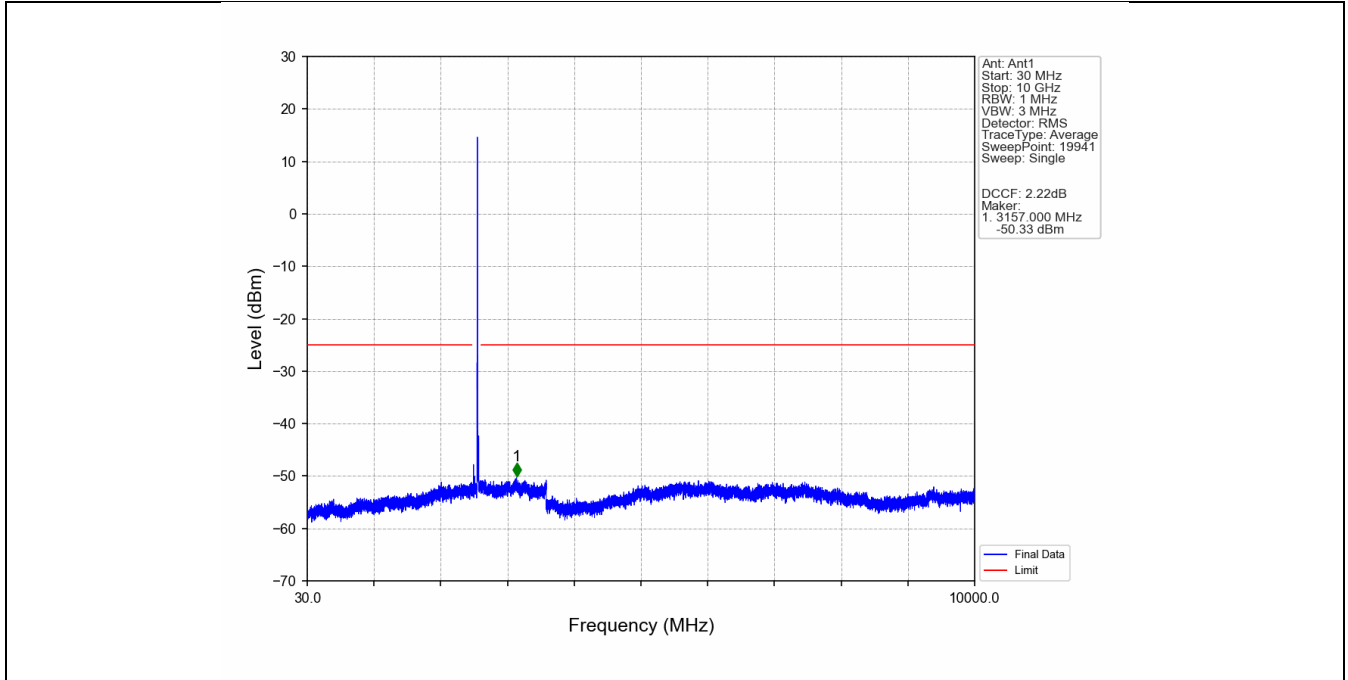


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2605	2620	0.02	CHP	/	/	/	/	/
2620	2621	0.02	CHP	1	2620.130	-44.91	-10	Pass
2621	2625	1	CHP	2	2621.510	-39.87	-10	Pass
2625	2634.709	1	CHP	3	2625.010	-47.61	-13	Pass
2634.709	2640	1	CHP	4	2634.895	-52.57	-25	Pass

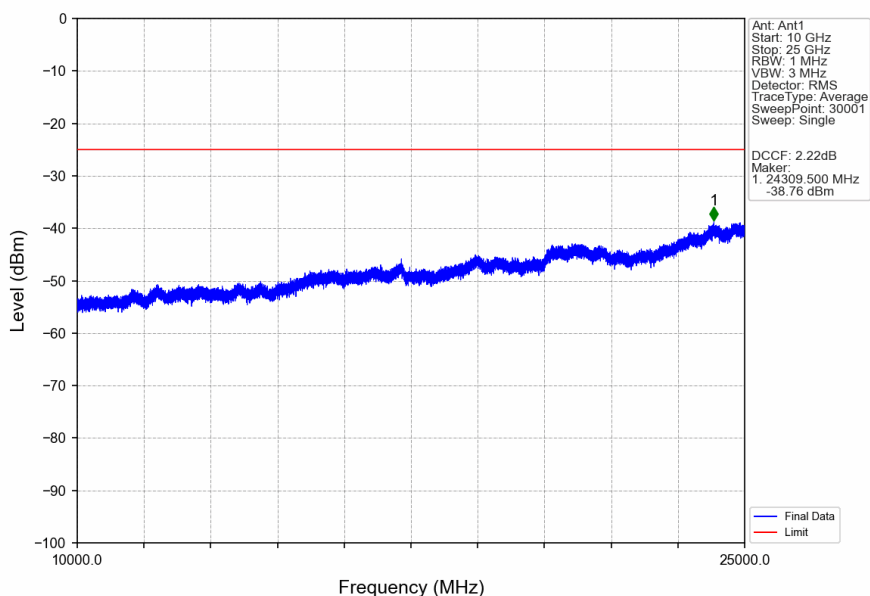


5.2.4 B38_20MHz

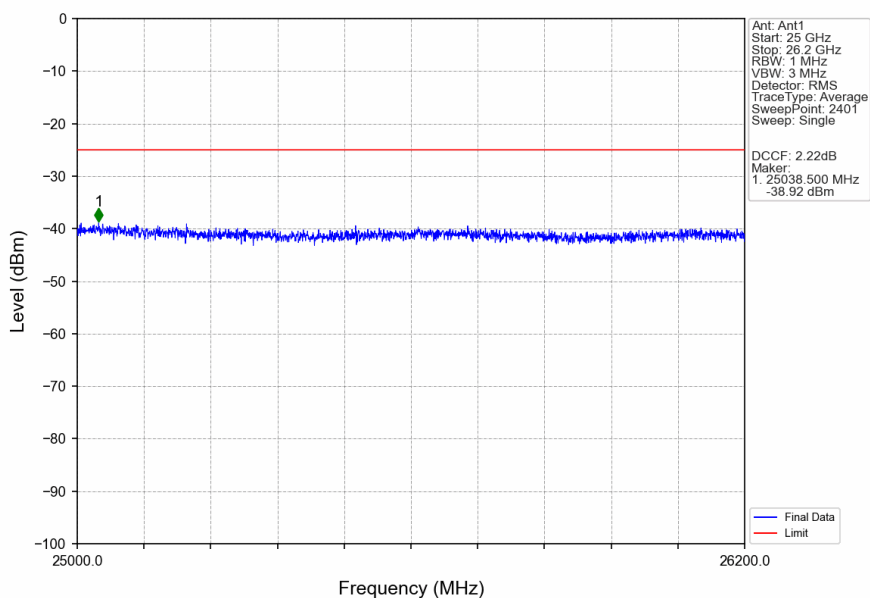




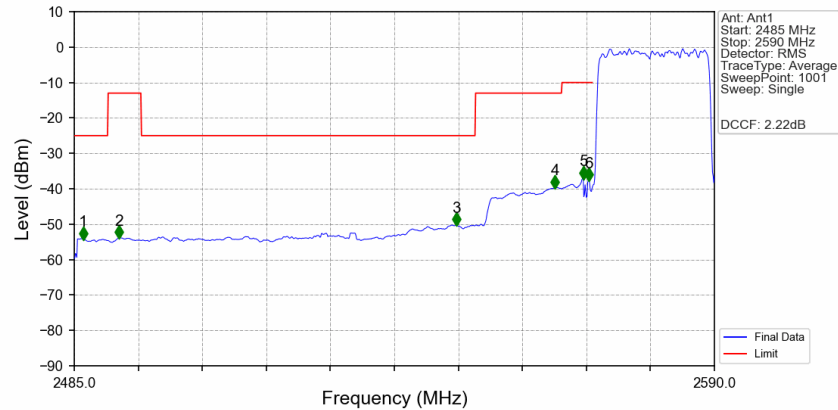
Band38_20MHz_QPSK_LCH_2580MHz_RB_1_0_NTNV



Band38_20MHz_QPSK_LCH_2580MHz_RB_1_0_NTNV

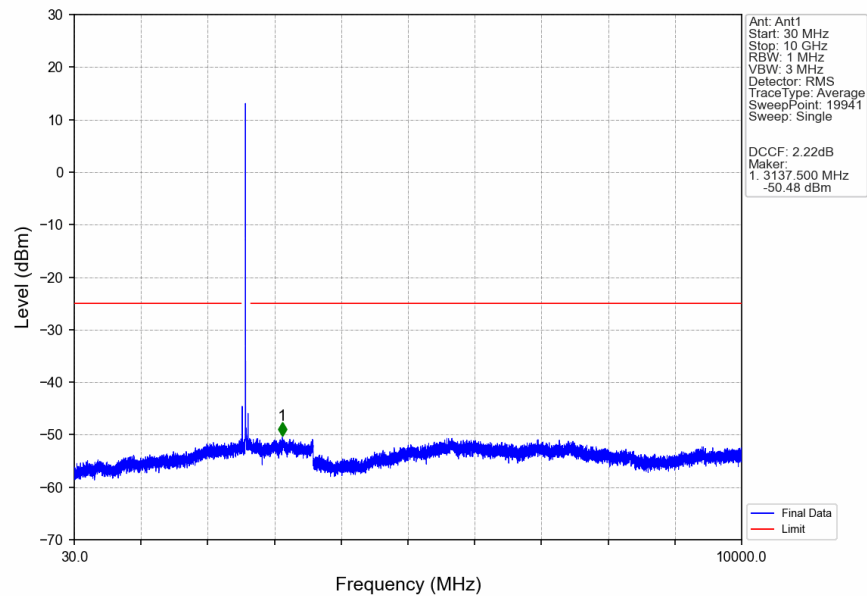


Band38_20MHz_QPSK_LCH_2580MHz_RB_100_0_NTNV

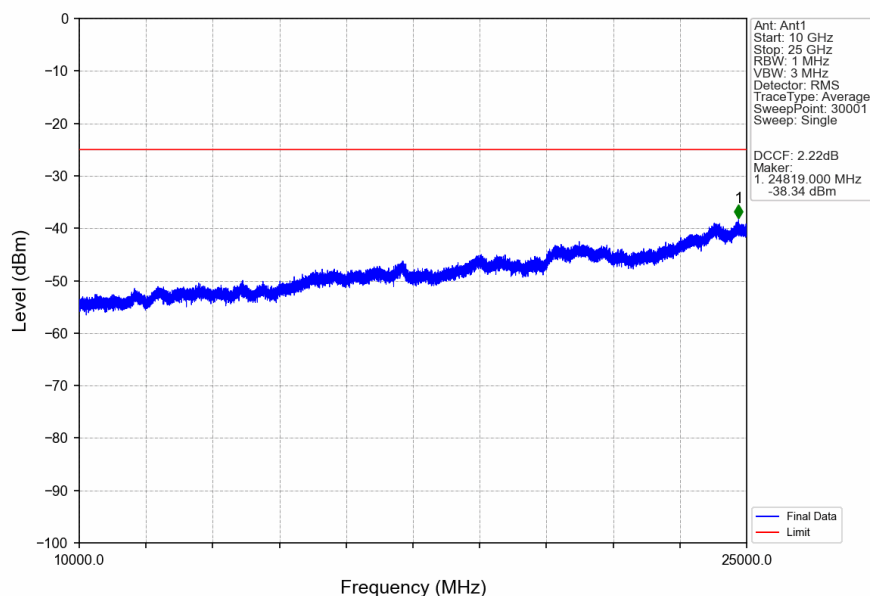


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2486.470	-54.12	-25	Pass
2490.5	2496	1	CHP	2	2492.350	-53.74	-13	Pass
2496	2550.803	1	CHP	3	2547.685	-50.18	-25	Pass
2550.803	2565	1	CHP	4	2563.855	-39.61	-13	Pass
2565	2569	1	CHP	5	2568.475	-37.00	-10	Pass
2569	2570	0.384	CHP	6	2569.420	-37.59	-10	Pass
2570	2590	0.384	CHP	/	/	/	/	/

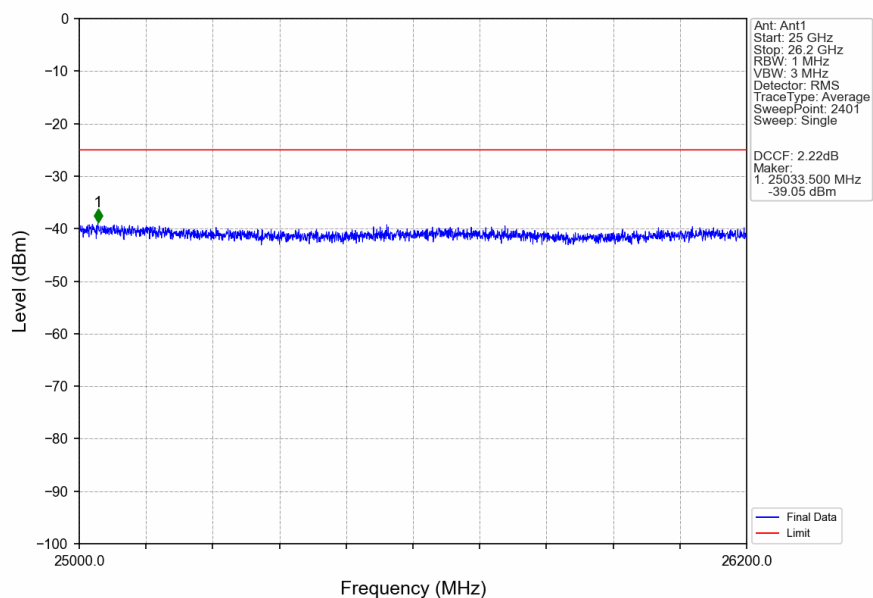
Band38_20MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



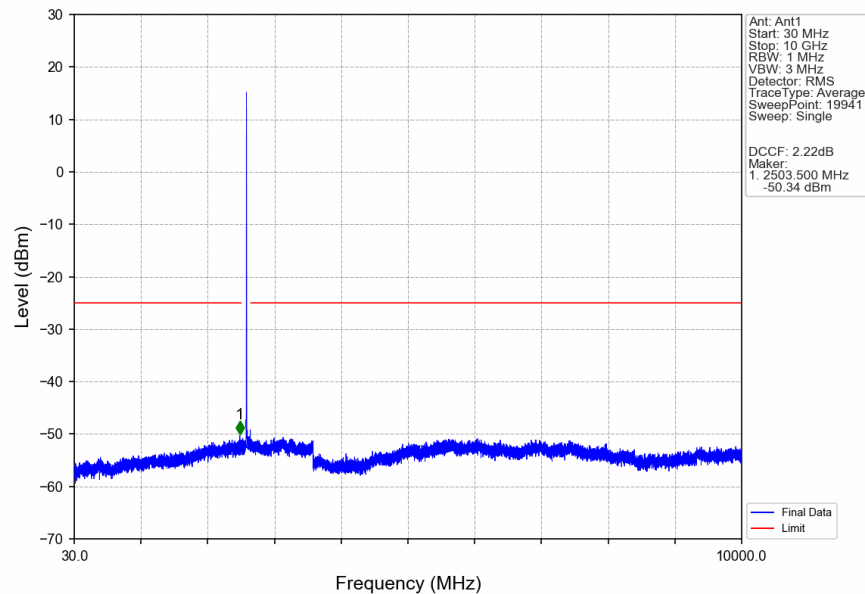
Band38_20MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



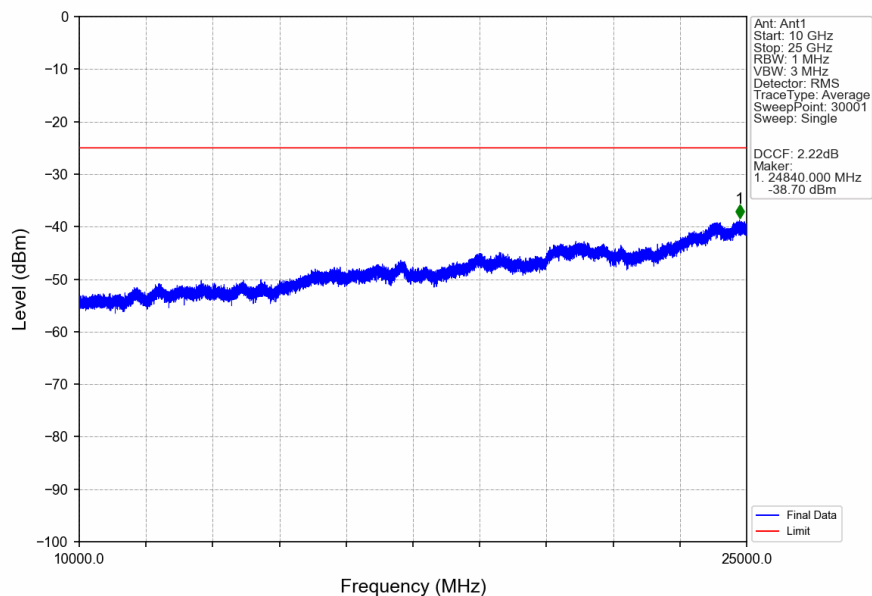
Band38_20MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



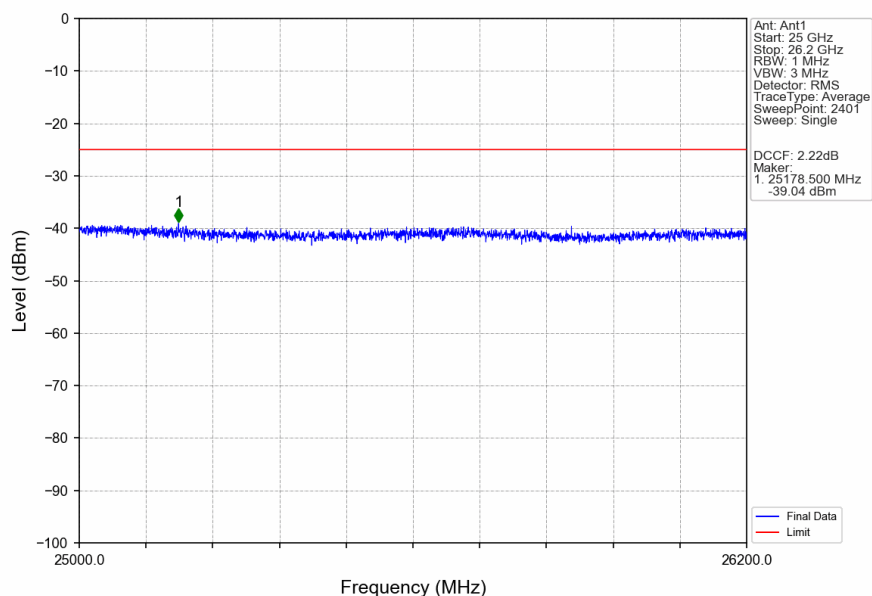
Band38_20MHz_QPSK_HCH_2610MHz_RB_1_0_NTNV



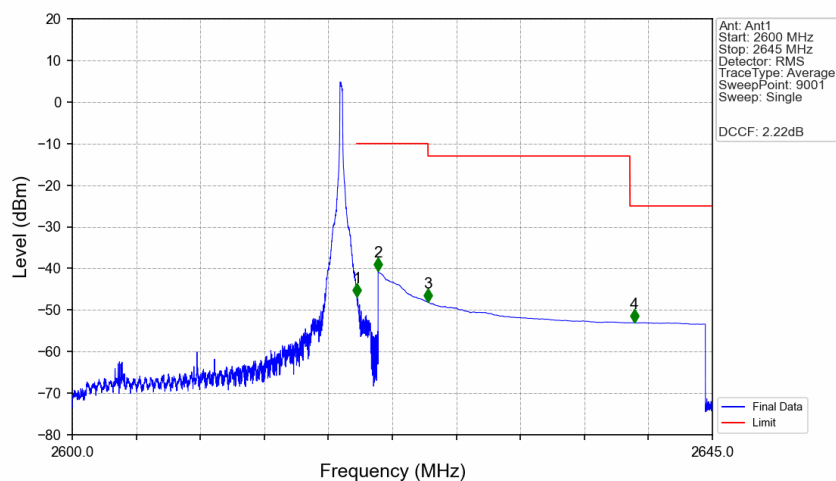
Band38_20MHz_QPSK_HCH_2610MHz_RB_1_0_NTNV



Band38_20MHz_QPSK_HCH_2610MHz_RB_1_0_NTNV

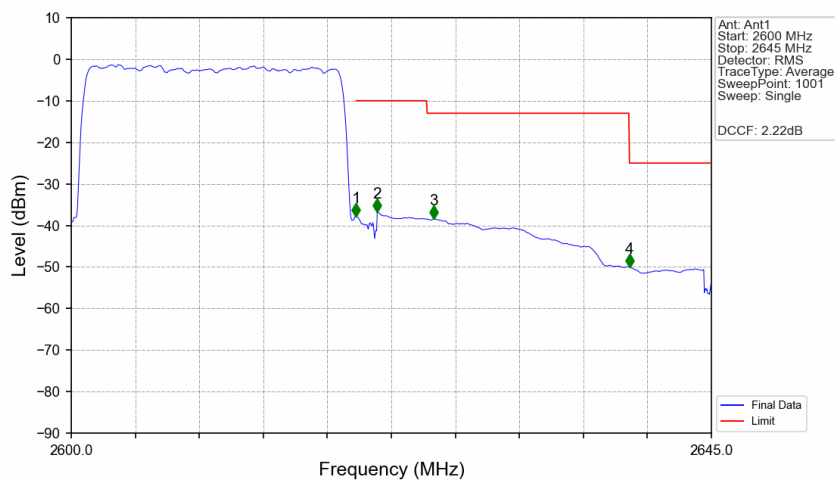


Band38_20MHz_QPSK_HCH_2610MHz_RB_1_99_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2600	2620	0.02	CHP	/	/	/	/	/
2620	2621	0.02	CHP	1	2620.005	-46.74	-10	Pass
2621	2625	1	CHP	2	2621.500	-40.65	-10	Pass
2625	2639.197	1	CHP	3	2625.025	-48.11	-13	Pass
2639.197	2645	1	CHP	4	2639.510	-53.04	-25	Pass

Band38_20MHz_QPSK_HCH_2610MHz_RB_100_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2600	2620	0.384	CHP	/	/	/	/	/
2620	2621	0.384	CHP	1	2620.025	-37.91	-10	Pass
2621	2625	1	CHP	2	2621.510	-36.77	-10	Pass
2625	2639.197	1	CHP	3	2625.470	-38.42	-13	Pass
2639.197	2645	1	CHP	4	2639.240	-49.97	-25	Pass

---End of Attachment---