

1. Effective (Isotropic) Radiated Power Output Data

1.1 B38_5MHz_EIRP(ANT41)

1.1.1 Test Result

Band: 38 / Bandwidth: 5MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	2572.5	1	0	23.78	-0.83	22.95	<=33.01	Pass
			13	23.82	-0.83	22.99	<=33.01	Pass
			24	23.84	-0.83	23.01	<=33.01	Pass
		12	0	22.88	-0.83	22.05	<=33.01	Pass
			6	22.93	-0.83	22.10	<=33.01	Pass
			13	22.88	-0.83	22.05	<=33.01	Pass
		25	0	22.93	-0.83	22.10	<=33.01	Pass
	2595	1	0	23.80	-0.83	22.97	<=33.01	Pass
			13	23.90	-0.83	23.07	<=33.01	Pass
			24	23.81	-0.83	22.98	<=33.01	Pass
		12	0	22.92	-0.83	22.09	<=33.01	Pass
			6	22.87	-0.83	22.04	<=33.01	Pass
			13	22.88	-0.83	22.05	<=33.01	Pass
		25	0	22.84	-0.83	22.01	<=33.01	Pass
	2617.5	1	0	23.89	-0.83	23.06	<=33.01	Pass
			13	23.90	-0.83	23.07	<=33.01	Pass
			24	23.90	-0.83	23.07	<=33.01	Pass
		12	0	22.97	-0.83	22.14	<=33.01	Pass
			6	23.02	-0.83	22.19	<=33.01	Pass
			13	22.95	-0.83	22.12	<=33.01	Pass
		25	0	22.97	-0.83	22.14	<=33.01	Pass
16QAM	2572.5	1	0	23.48	-0.83	22.65	<=33.01	Pass
			13	23.51	-0.83	22.68	<=33.01	Pass
			24	23.36	-0.83	22.53	<=33.01	Pass
		12	0	22.41	-0.83	21.58	<=33.01	Pass
			6	22.47	-0.83	21.64	<=33.01	Pass
			13	22.40	-0.83	21.57	<=33.01	Pass
		25	0	22.40	-0.83	21.57	<=33.01	Pass
	2595	1	0	23.45	-0.83	22.62	<=33.01	Pass
			13	23.50	-0.83	22.67	<=33.01	Pass
			24	23.40	-0.83	22.57	<=33.01	Pass
		12	0	22.47	-0.83	21.64	<=33.01	Pass
			6	22.32	-0.83	21.49	<=33.01	Pass
			13	22.35	-0.83	21.52	<=33.01	Pass
		25	0	22.34	-0.83	21.51	<=33.01	Pass
	2617.5	1	0	23.60	-0.83	22.77	<=33.01	Pass
			13	23.59	-0.83	22.76	<=33.01	Pass
			24	23.43	-0.83	22.60	<=33.01	Pass
		12	0	22.36	-0.83	21.53	<=33.01	Pass
			6	22.48	-0.83	21.65	<=33.01	Pass
			13	22.46	-0.83	21.63	<=33.01	Pass
		25	0	22.52	-0.83	21.69	<=33.01	Pass
64QAM	2572.5	1	0	23.32	-0.83	22.49	<=33.01	Pass
			13	23.35	-0.83	22.52	<=33.01	Pass
			24	23.35	-0.83	22.52	<=33.01	Pass
		12	0	22.41	-0.83	21.58	<=33.01	Pass
			6	22.43	-0.83	21.60	<=33.01	Pass
			13	22.38	-0.83	21.55	<=33.01	Pass
		25	0	22.43	-0.83	21.60	<=33.01	Pass

	2595	1	0	23.40	-0.83	22.57	<=33.01	Pass	
			13	23.58	-0.83	22.75	<=33.01	Pass	
			24	23.34	-0.83	22.51	<=33.01	Pass	
		12	0	22.38	-0.83	21.55	<=33.01	Pass	
			6	22.45	-0.83	21.62	<=33.01	Pass	
			13	22.36	-0.83	21.53	<=33.01	Pass	
		25	0	22.36	-0.83	21.53	<=33.01	Pass	
		2617.5	1	0	23.49	-0.83	22.66	<=33.01	Pass
				13	23.56	-0.83	22.73	<=33.01	Pass
	24			23.35	-0.83	22.52	<=33.01	Pass	
	12		0	22.49	-0.83	21.66	<=33.01	Pass	
			6	22.47	-0.83	21.64	<=33.01	Pass	
			13	22.34	-0.83	21.51	<=33.01	Pass	
	25		0	22.49	-0.83	21.66	<=33.01	Pass	

256QAM	2572.5	1	0	20.74	-0.83	19.91	<=33.01	Pass
			13	20.86	-0.83	20.03	<=33.01	Pass
			24	20.80	-0.83	19.97	<=33.01	Pass
		12	0	20.87	-0.83	20.04	<=33.01	Pass
			6	20.92	-0.83	20.09	<=33.01	Pass
			13	20.89	-0.83	20.06	<=33.01	Pass
		25	0	20.92	-0.83	20.09	<=33.01	Pass
	2595	1	0	20.88	-0.83	20.05	<=33.01	Pass
			13	20.84	-0.83	20.01	<=33.01	Pass
			24	20.63	-0.83	19.80	<=33.01	Pass
		12	0	20.93	-0.83	20.10	<=33.01	Pass
			6	20.92	-0.83	20.09	<=33.01	Pass
			13	20.87	-0.83	20.04	<=33.01	Pass
		25	0	20.87	-0.83	20.04	<=33.01	Pass
	2617.5	1	0	20.79	-0.83	19.96	<=33.01	Pass
			13	20.89	-0.83	20.06	<=33.01	Pass
			24	20.79	-0.83	19.96	<=33.01	Pass
		12	0	20.95	-0.83	20.12	<=33.01	Pass
			6	20.98	-0.83	20.15	<=33.01	Pass
			13	20.98	-0.83	20.15	<=33.01	Pass
		25	0	20.95	-0.83	20.12	<=33.01	Pass

Note1: EIRP=Conducted Power+Antenna Gain								
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1.2 B38_10MHz_EIRP

1.2.1 Test Result

Band: 38 / Bandwidth: 10MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	2575	1	0	23.80	-0.83	22.97	<=33.01	Pass
			25	23.84	-0.83	23.01	<=33.01	Pass
			49	23.91	-0.83	23.08	<=33.01	Pass
		25	0	22.93	-0.83	22.10	<=33.01	Pass
			13	22.85	-0.83	22.02	<=33.01	Pass
			25	22.88	-0.83	22.05	<=33.01	Pass
		50	0	22.85	-0.83	22.02	<=33.01	Pass
	2595	1	0	23.85	-0.83	23.02	<=33.01	Pass
			25	23.88	-0.83	23.05	<=33.01	Pass
			49	23.82	-0.83	22.99	<=33.01	Pass
		25	0	22.92	-0.83	22.09	<=33.01	Pass
			13	22.91	-0.83	22.08	<=33.01	Pass
			25	22.89	-0.83	22.06	<=33.01	Pass

	2615	50	0	22.91	-0.83	22.08	<=33.01	Pass
		1	0	23.87	-0.83	23.04	<=33.01	Pass
			25	23.94	-0.83	23.11	<=33.01	Pass
			49	23.86	-0.83	23.03	<=33.01	Pass
		25	0	22.94	-0.83	22.11	<=33.01	Pass
			13	22.99	-0.83	22.16	<=33.01	Pass
			25	22.98	-0.83	22.15	<=33.01	Pass
16QAM	2575	50	0	22.97	-0.83	22.14	<=33.01	Pass
		1	0	23.36	-0.83	22.53	<=33.01	Pass
			25	23.51	-0.83	22.68	<=33.01	Pass
			49	23.47	-0.83	22.64	<=33.01	Pass
		25	0	22.39	-0.83	21.56	<=33.01	Pass
			13	22.42	-0.83	21.59	<=33.01	Pass
			25	22.35	-0.83	21.52	<=33.01	Pass
	2595	50	0	22.39	-0.83	21.56	<=33.01	Pass
		1	0	23.42	-0.83	22.59	<=33.01	Pass
			25	23.56	-0.83	22.73	<=33.01	Pass
			49	23.49	-0.83	22.66	<=33.01	Pass
		25	0	22.44	-0.83	21.61	<=33.01	Pass
			13	22.43	-0.83	21.60	<=33.01	Pass
			25	22.38	-0.83	21.55	<=33.01	Pass
		50	0	22.38	-0.83	21.55	<=33.01	Pass
	2615	1	0	23.49	-0.83	22.66	<=33.01	Pass
			25	23.44	-0.83	22.61	<=33.01	Pass
			49	23.50	-0.83	22.67	<=33.01	Pass
		25	0	22.48	-0.83	21.65	<=33.01	Pass
			13	22.52	-0.83	21.69	<=33.01	Pass
			25	22.43	-0.83	21.60	<=33.01	Pass
		50	0	22.49	-0.83	21.66	<=33.01	Pass
64QAM	2575	1	0	23.41	-0.83	22.58	<=33.01	Pass
			25	23.40	-0.83	22.57	<=33.01	Pass
			49	23.17	-0.83	22.34	<=33.01	Pass
		25	0	22.39	-0.83	21.56	<=33.01	Pass
			13	22.37	-0.83	21.54	<=33.01	Pass
			25	22.37	-0.83	21.54	<=33.01	Pass
		50	0	22.36	-0.83	21.53	<=33.01	Pass
	2595	1	0	23.39	-0.83	22.56	<=33.01	Pass
			25	23.53	-0.83	22.70	<=33.01	Pass
			49	23.31	-0.83	22.48	<=33.01	Pass
		25	0	22.46	-0.83	21.63	<=33.01	Pass
			13	22.43	-0.83	21.60	<=33.01	Pass
			25	22.39	-0.83	21.56	<=33.01	Pass
		50	0	22.34	-0.83	21.51	<=33.01	Pass
	2615	1	0	23.37	-0.83	22.54	<=33.01	Pass
			25	23.43	-0.83	22.60	<=33.01	Pass
			49	23.32	-0.83	22.49	<=33.01	Pass
		25	0	22.49	-0.83	21.66	<=33.01	Pass
			13	22.52	-0.83	21.69	<=33.01	Pass
			25	22.46	-0.83	21.63	<=33.01	Pass
		50	0	22.45	-0.83	21.62	<=33.01	Pass
256QAM	2575	1	0	20.81	-0.83	19.98	<=33.01	Pass
			25	20.84	-0.83	20.01	<=33.01	Pass
			49	20.60	-0.83	19.77	<=33.01	Pass
		25	0	20.92	-0.83	20.09	<=33.01	Pass
			13	20.86	-0.83	20.03	<=33.01	Pass
			25	20.86	-0.83	20.03	<=33.01	Pass
		50	0	20.86	-0.83	20.03	<=33.01	Pass
	2595	1	0	20.86	-0.83	20.03	<=33.01	Pass
			25	21.06	-0.83	20.23	<=33.01	Pass

		25	49	20.80	-0.83	19.97	<=33.01	Pass
			0	20.93	-0.83	20.10	<=33.01	Pass
			13	20.92	-0.83	20.09	<=33.01	Pass
			25	20.88	-0.83	20.05	<=33.01	Pass
	2615	50	0	20.85	-0.83	20.02	<=33.01	Pass
			0	20.81	-0.83	19.98	<=33.01	Pass
			25	20.83	-0.83	20.00	<=33.01	Pass
		1	49	20.87	-0.83	20.04	<=33.01	Pass
			0	20.91	-0.83	20.08	<=33.01	Pass
			13	20.98	-0.83	20.15	<=33.01	Pass
		25	25	20.97	-0.83	20.14	<=33.01	Pass
			0	20.97	-0.83	20.14	<=33.01	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.3 B38_15MHz_EIRP

1.3.1 Test Result

Band: 38 / Bandwidth: 15MHz / NTNv								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	2577.5	1	0	23.67	-0.83	22.84	<=33.01	Pass
			38	23.64	-0.83	22.81	<=33.01	Pass
			74	23.66	-0.83	22.83	<=33.01	Pass
		36	0	22.79	-0.83	21.96	<=33.01	Pass
			18	22.86	-0.83	22.03	<=33.01	Pass
			39	22.77	-0.83	21.94	<=33.01	Pass
		75	0	22.76	-0.83	21.93	<=33.01	Pass
			0	23.56	-0.83	22.73	<=33.01	Pass
			38	23.58	-0.83	22.75	<=33.01	Pass
	2595	1	74	23.59	-0.83	22.76	<=33.01	Pass
			0	22.85	-0.83	22.02	<=33.01	Pass
			18	22.76	-0.83	21.93	<=33.01	Pass
		36	39	22.80	-0.83	21.97	<=33.01	Pass
			0	22.76	-0.83	21.93	<=33.01	Pass
			75	22.76	-0.83	21.93	<=33.01	Pass
		75	0	23.63	-0.83	22.80	<=33.01	Pass
			38	23.67	-0.83	22.84	<=33.01	Pass
			74	23.64	-0.83	22.81	<=33.01	Pass
	2612.5	1	0	22.83	-0.83	22.00	<=33.01	Pass
			18	22.86	-0.83	22.03	<=33.01	Pass
			39	22.81	-0.83	21.98	<=33.01	Pass
		36	0	22.86	-0.83	22.03	<=33.01	Pass
			18	22.86	-0.83	22.03	<=33.01	Pass
			39	22.81	-0.83	21.98	<=33.01	Pass
		75	0	22.86	-0.83	22.03	<=33.01	Pass
			0	23.34	-0.83	22.51	<=33.01	Pass
			38	23.25	-0.83	22.42	<=33.01	Pass
16QAM	2577.5	1	74	23.26	-0.83	22.43	<=33.01	Pass
			0	22.30	-0.83	21.47	<=33.01	Pass
			18	22.32	-0.83	21.49	<=33.01	Pass
		36	39	22.22	-0.83	21.39	<=33.01	Pass
			0	22.24	-0.83	21.41	<=33.01	Pass
			75	22.24	-0.83	21.41	<=33.01	Pass
		75	0	23.33	-0.83	22.50	<=33.01	Pass
			38	23.35	-0.83	22.52	<=33.01	Pass
			74	23.24	-0.83	22.41	<=33.01	Pass
	2595	1	0	22.34	-0.83	21.51	<=33.01	Pass
			18	22.25	-0.83	21.42	<=33.01	Pass
			39	22.28	-0.83	21.45	<=33.01	Pass
		36	0	22.29	-0.83	21.46	<=33.01	Pass
			18	22.29	-0.83	21.46	<=33.01	Pass
			39	22.29	-0.83	21.46	<=33.01	Pass
		75	0	22.29	-0.83	21.46	<=33.01	Pass
			18	22.29	-0.83	21.46	<=33.01	Pass
			39	22.29	-0.83	21.46	<=33.01	Pass
	2612.5	1	0	23.24	-0.83	22.41	<=33.01	Pass

			38	23.32	-0.83	22.49	<=33.01	Pass		
			74	23.25	-0.83	22.42	<=33.01	Pass		
			36	0	22.32	-0.83	21.49	<=33.01	Pass	
		18		22.33	-0.83	21.50	<=33.01	Pass		
		39		22.23	-0.83	21.40	<=33.01	Pass		
		75	0	22.33	-0.83	21.50	<=33.01	Pass		
64QAM	2577.5	1	0	23.04	-0.83	22.21	<=33.01	Pass		
			38	23.23	-0.83	22.40	<=33.01	Pass		
			74	23.09	-0.83	22.26	<=33.01	Pass		
		36	0	22.28	-0.83	21.45	<=33.01	Pass		
			18	22.35	-0.83	21.52	<=33.01	Pass		
			39	22.28	-0.83	21.45	<=33.01	Pass		
		75	0	22.23	-0.83	21.40	<=33.01	Pass		
		2595	1	0	23.28	-0.83	22.45	<=33.01	Pass	
				38	23.22	-0.83	22.39	<=33.01	Pass	
	74			23.18	-0.83	22.35	<=33.01	Pass		
	36		0	22.30	-0.83	21.47	<=33.01	Pass		
			18	22.21	-0.83	21.38	<=33.01	Pass		
			39	22.31	-0.83	21.48	<=33.01	Pass		
	75		0	22.29	-0.83	21.46	<=33.01	Pass		
	2612.5		1	0	23.20	-0.83	22.37	<=33.01	Pass	
				38	23.35	-0.83	22.52	<=33.01	Pass	
		74		22.94	-0.83	22.11	<=33.01	Pass		
		36	0	22.36	-0.83	21.53	<=33.01	Pass		
			18	22.35	-0.83	21.52	<=33.01	Pass		
			39	22.30	-0.83	21.47	<=33.01	Pass		
		75	0	22.31	-0.83	21.48	<=33.01	Pass		
		256QAM	2577.5	1	0	20.59	-0.83	19.76	<=33.01	Pass
					38	20.68	-0.83	19.85	<=33.01	Pass
	74				20.68	-0.83	19.85	<=33.01	Pass	
36	0			20.81	-0.83	19.98	<=33.01	Pass		
	18			20.80	-0.83	19.97	<=33.01	Pass		
	39			20.74	-0.83	19.91	<=33.01	Pass		
75	0			20.74	-0.83	19.91	<=33.01	Pass		
2595	1			0	20.67	-0.83	19.84	<=33.01	Pass	
				38	20.77	-0.83	19.94	<=33.01	Pass	
			74	20.49	-0.83	19.66	<=33.01	Pass		
	36		0	20.82	-0.83	19.99	<=33.01	Pass		
			18	20.78	-0.83	19.95	<=33.01	Pass		
			39	20.76	-0.83	19.93	<=33.01	Pass		
	75		0	20.71	-0.83	19.88	<=33.01	Pass		
	2612.5		1	0	20.76	-0.83	19.93	<=33.01	Pass	
				38	20.57	-0.83	19.74	<=33.01	Pass	
74				20.81	-0.83	19.98	<=33.01	Pass		
36			0	20.80	-0.83	19.97	<=33.01	Pass		
			18	20.83	-0.83	20.00	<=33.01	Pass		
			39	20.73	-0.83	19.90	<=33.01	Pass		
75			0	20.81	-0.83	19.98	<=33.01	Pass		
Note1: EIRP=Conducted Power+Antenna Gain										

1.4 B38_20MHz_EIRP

1.4.1 Test Result

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	23.71	-0.83	22.88	<=33.01	Pass
			50	23.97	-0.83	23.14	<=33.01	Pass
			99	23.68	-0.83	22.85	<=33.01	Pass
		50	0	22.83	-0.83	22.00	<=33.01	Pass
			25	22.87	-0.83	22.04	<=33.01	Pass
			50	22.77	-0.83	21.94	<=33.01	Pass
		100	0	22.78	-0.83	21.95	<=33.01	Pass
	2595	1	0	23.57	-0.83	22.74	<=33.01	Pass
			50	23.63	-0.83	22.80	<=33.01	Pass
			99	23.55	-0.83	22.72	<=33.01	Pass
		50	0	22.87	-0.83	22.04	<=33.01	Pass
			25	22.76	-0.83	21.93	<=33.01	Pass
			50	22.78	-0.83	21.95	<=33.01	Pass
		100	0	22.78	-0.83	21.95	<=33.01	Pass
	2610	1	0	23.64	-0.83	22.81	<=33.01	Pass
			50	23.71	-0.83	22.88	<=33.01	Pass
			99	23.66	-0.83	22.83	<=33.01	Pass
		50	0	22.85	-0.83	22.02	<=33.01	Pass
			25	22.90	-0.83	22.07	<=33.01	Pass
			50	22.84	-0.83	22.01	<=33.01	Pass
		100	0	22.87	-0.83	22.04	<=33.01	Pass
16QAM	2580	1	0	23.28	-0.83	22.45	<=33.01	Pass
			50	23.24	-0.83	22.41	<=33.01	Pass
			99	23.29	-0.83	22.46	<=33.01	Pass
		50	0	22.33	-0.83	21.50	<=33.01	Pass
			25	22.35	-0.83	21.52	<=33.01	Pass
			50	22.28	-0.83	21.45	<=33.01	Pass
		100	0	22.25	-0.83	21.42	<=33.01	Pass
	2595	1	0	23.32	-0.83	22.49	<=33.01	Pass
			50	23.21	-0.83	22.38	<=33.01	Pass
			99	23.22	-0.83	22.39	<=33.01	Pass
		50	0	22.34	-0.83	21.51	<=33.01	Pass
			25	22.28	-0.83	21.45	<=33.01	Pass
			50	22.31	-0.83	21.48	<=33.01	Pass
		100	0	22.29	-0.83	21.46	<=33.01	Pass
	2610	1	0	23.15	-0.83	22.32	<=33.01	Pass
			50	23.33	-0.83	22.50	<=33.01	Pass
			99	23.36	-0.83	22.53	<=33.01	Pass
		50	0	22.35	-0.83	21.52	<=33.01	Pass
			25	22.36	-0.83	21.53	<=33.01	Pass
			50	22.31	-0.83	21.48	<=33.01	Pass
		100	0	22.33	-0.83	21.50	<=33.01	Pass
64QAM	2580	1	0	23.05	-0.83	22.22	<=33.01	Pass
			50	23.20	-0.83	22.37	<=33.01	Pass
			99	23.15	-0.83	22.32	<=33.01	Pass
		50	0	22.33	-0.83	21.50	<=33.01	Pass
			25	22.35	-0.83	21.52	<=33.01	Pass
			50	22.31	-0.83	21.48	<=33.01	Pass
		100	0	22.23	-0.83	21.40	<=33.01	Pass
	2595	1	0	23.08	-0.83	22.25	<=33.01	Pass
			50	23.21	-0.83	22.38	<=33.01	Pass
			99	23.29	-0.83	22.46	<=33.01	Pass
		50	0	22.30	-0.83	21.47	<=33.01	Pass
			25	22.30	-0.83	21.47	<=33.01	Pass
			50	22.24	-0.83	21.41	<=33.01	Pass
		100	0	22.28	-0.83	21.45	<=33.01	Pass
	2610	1	0	23.00	-0.83	22.17	<=33.01	Pass
			50	23.16	-0.83	22.33	<=33.01	Pass
			99	23.21	-0.83	22.38	<=33.01	Pass

		50	0	22.32	-0.83	21.49	<=33.01	Pass	
			25	22.33	-0.83	21.50	<=33.01	Pass	
			50	22.28	-0.83	21.45	<=33.01	Pass	
		100	0	22.33	-0.83	21.50	<=33.01	Pass	
256QAM	2580	1	0	20.60	-0.83	19.77	<=33.01	Pass	
			50	20.82	-0.83	19.99	<=33.01	Pass	
			99	20.61	-0.83	19.78	<=33.01	Pass	
		50	0	20.81	-0.83	19.98	<=33.01	Pass	
			25	20.83	-0.83	20.00	<=33.01	Pass	
			50	20.78	-0.83	19.95	<=33.01	Pass	
		100	0	20.70	-0.83	19.87	<=33.01	Pass	
		2595	1	0	20.77	-0.83	19.94	<=33.01	Pass
				50	20.76	-0.83	19.93	<=33.01	Pass
	99			20.82	-0.83	19.99	<=33.01	Pass	
	50		0	20.83	-0.83	20.00	<=33.01	Pass	
			25	20.78	-0.83	19.95	<=33.01	Pass	
			50	20.78	-0.83	19.95	<=33.01	Pass	
	100		0	20.78	-0.83	19.95	<=33.01	Pass	
	2610		1	0	20.73	-0.83	19.90	<=33.01	Pass
				50	20.75	-0.83	19.92	<=33.01	Pass
		99		20.80	-0.83	19.97	<=33.01	Pass	
		50	0	20.83	-0.83	20.00	<=33.01	Pass	
			25	20.84	-0.83	20.01	<=33.01	Pass	
			50	20.81	-0.83	19.98	<=33.01	Pass	
		100	0	20.83	-0.83	20.00	<=33.01	Pass	
Note1: EIRP=Conducted Power+Antenna Gain									

2. Frequency Stability

2.1 B38_20MHz

2.1.1 Test Result

Band: 38 / Bandwidth: 20MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2580	100	0	20	3.6	-0.800	-0.0003	/	Pass
					3.86	-2.600	-0.0010	/	Pass
					4.3	-4.100	-0.0016	/	Pass
				-30	3.86	-2.900	-0.0011	/	Pass
				-20	3.86	-3.800	-0.0015	/	Pass
				-10	3.86	-2.800	-0.0011	/	Pass
				0	3.86	-2.200	-0.0009	/	Pass
				10	3.86	-3.200	-0.0012	/	Pass
				30	3.86	-0.800	-0.0003	/	Pass
				40	3.86	-2.400	-0.0009	/	Pass
	50	3.86	-4.500	-0.0017	/	Pass			
	2595	100	0	20	3.6	-8.400	-0.0032	/	Pass
					3.86	-4.300	-0.0017	/	Pass
					4.3	-3.200	-0.0012	/	Pass
				-30	3.86	-2.500	-0.0010	/	Pass
				-20	3.86	0.100	0.0000	/	Pass
				-10	3.86	-6.600	-0.0025	/	Pass
				0	3.86	-3.500	-0.0013	/	Pass
				10	3.86	-0.600	-0.0002	/	Pass
				30	3.86	-4.000	-0.0015	/	Pass

	2610	100	0	40	3.86	1.900	0.0007	/	Pass
				50	3.86	-0.800	-0.0003	/	Pass
				20	3.6	-2.800	-0.0011	/	Pass
					3.86	-3.800	-0.0015	/	Pass
					4.3	-7.800	-0.0030	/	Pass
				-30	3.86	-3.400	-0.0013	/	Pass
				-20	3.86	-3.600	-0.0014	/	Pass
				-10	3.86	-1.100	-0.0004	/	Pass
				0	3.86	-2.700	-0.0010	/	Pass
				10	3.86	-5.800	-0.0022	/	Pass
				30	3.86	-5.000	-0.0019	/	Pass
				40	3.86	-4.200	-0.0016	/	Pass
				50	3.86	0.300	0.0001	/	Pass

3. 99% & 26dB Bandwidth

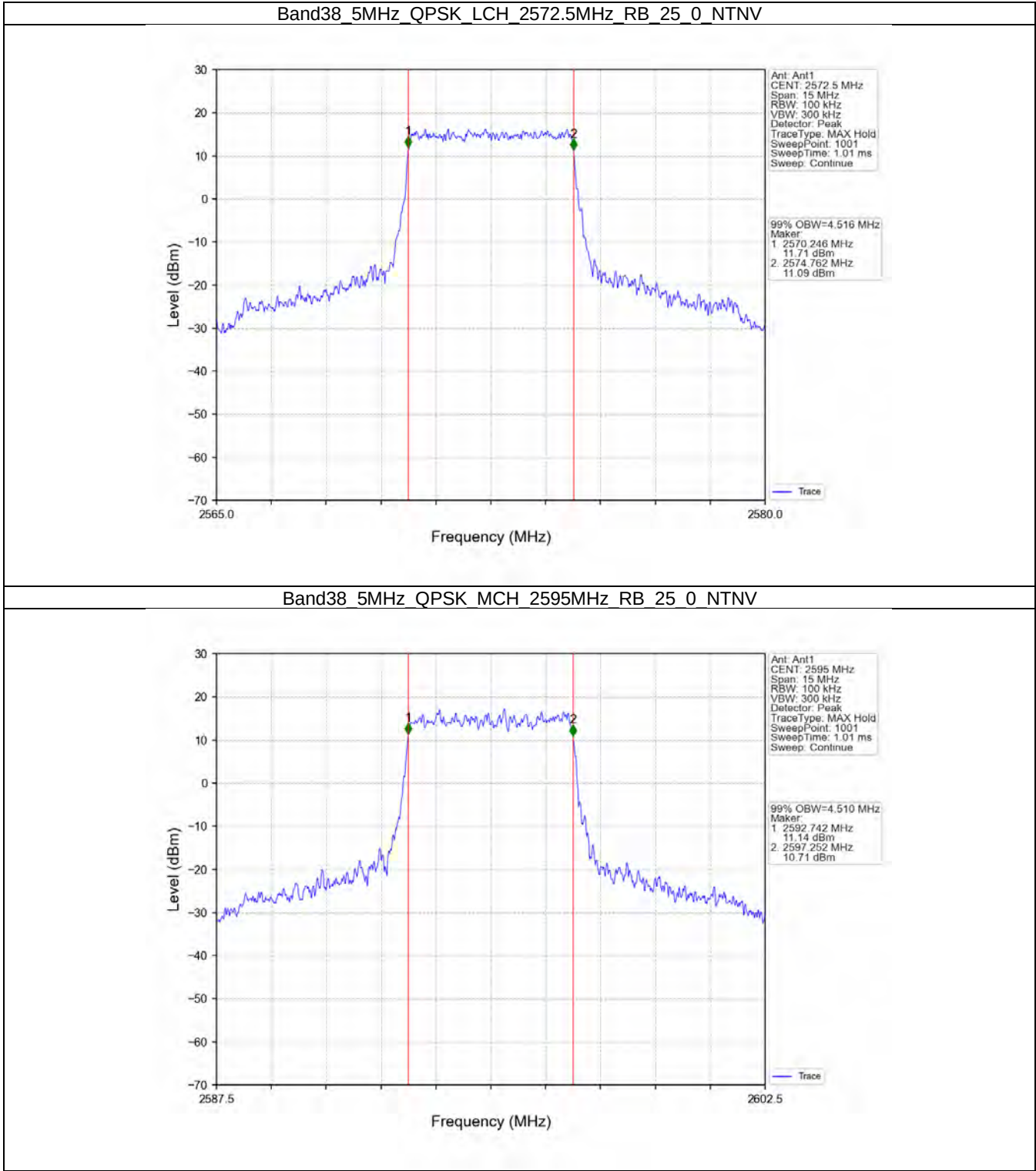
3.1 Band38_OBW

3.1.1 Test Result

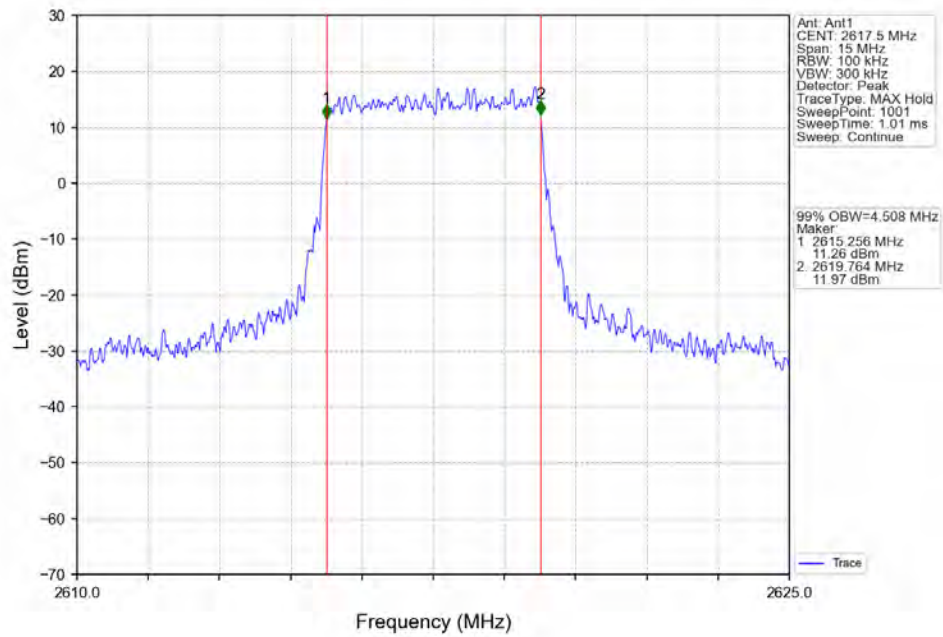
Band: 38 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2572.5	25	0	4.516	/	Pass
		2595	25	0	4.510	/	Pass
		2617.5	25	0	4.508	/	Pass
	16QAM	2572.5	25	0	4.518	/	Pass
		2595	25	0	4.508	/	Pass
		2617.5	25	0	4.534	/	Pass
	64QAM	2572.5	25	0	4.521	/	Pass
		2595	25	0	4.543	/	Pass
		2617.5	25	0	4.509	/	Pass
	256QAM	2572.5	25	0	4.528	/	Pass
		2595	25	0	4.533	/	Pass
		2617.5	25	0	4.518	/	Pass
10	QPSK	2575	50	0	9.015	/	Pass
		2595	50	0	9.002	/	Pass
		2615	50	0	9.010	/	Pass
	16QAM	2575	50	0	9.029	/	Pass
		2595	50	0	9.041	/	Pass
		2615	50	0	9.014	/	Pass
	64QAM	2575	50	0	9.016	/	Pass
		2595	50	0	9.003	/	Pass
		2615	50	0	9.011	/	Pass
	256QAM	2575	50	0	9.044	/	Pass
		2595	50	0	8.991	/	Pass
		2615	50	0	8.996	/	Pass
15	QPSK	2577.5	75	0	13.524	/	Pass
		2595	75	0	13.513	/	Pass
		2612.5	75	0	13.517	/	Pass
	16QAM	2577.5	75	0	13.528	/	Pass
		2595	75	0	13.511	/	Pass
		2612.5	75	0	13.532	/	Pass
	64QAM	2577.5	75	0	13.533	/	Pass
		2595	75	0	13.540	/	Pass
		2612.5	75	0	13.515	/	Pass

	256QAM	2577.5	75	0	13.499	/	Pass
		2595	75	0	13.477	/	Pass
		2612.5	75	0	13.546	/	Pass
20	QPSK	2580	100	0	18.065	/	Pass
		2595	100	0	18.060	/	Pass
		2610	100	0	18.078	/	Pass
	16QAM	2580	100	0	18.072	/	Pass
		2595	100	0	18.123	/	Pass
		2610	100	0	18.108	/	Pass
	64QAM	2580	100	0	18.148	/	Pass
		2595	100	0	18.101	/	Pass
		2610	100	0	18.091	/	Pass
	256QAM	2580	100	0	18.088	/	Pass
		2595	100	0	18.071	/	Pass
		2610	100	0	18.092	/	Pass

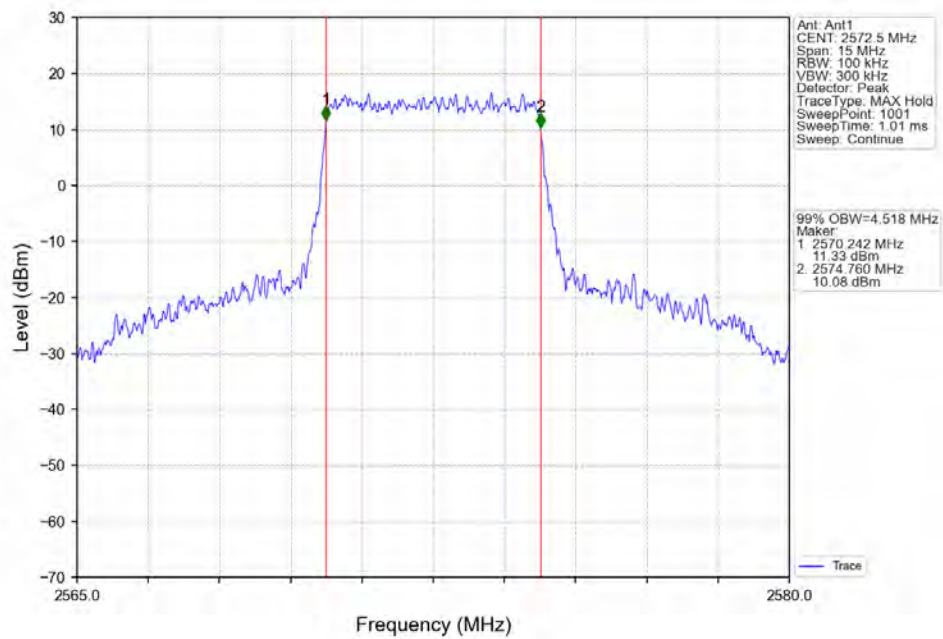
3.1.2 Test Graph



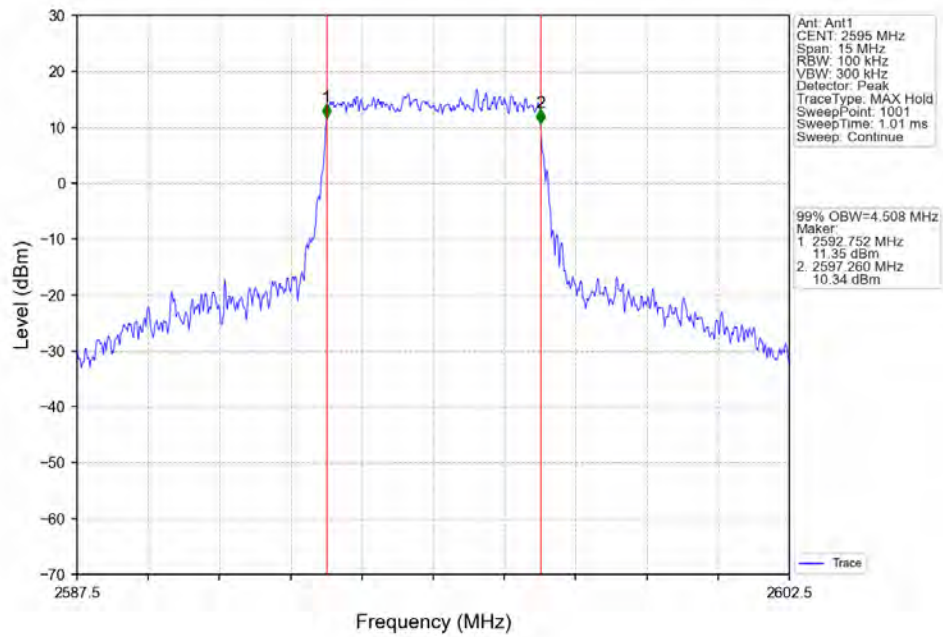
Band38 5MHz QPSK HCH 2617.5MHz RB 25 0 NTNV



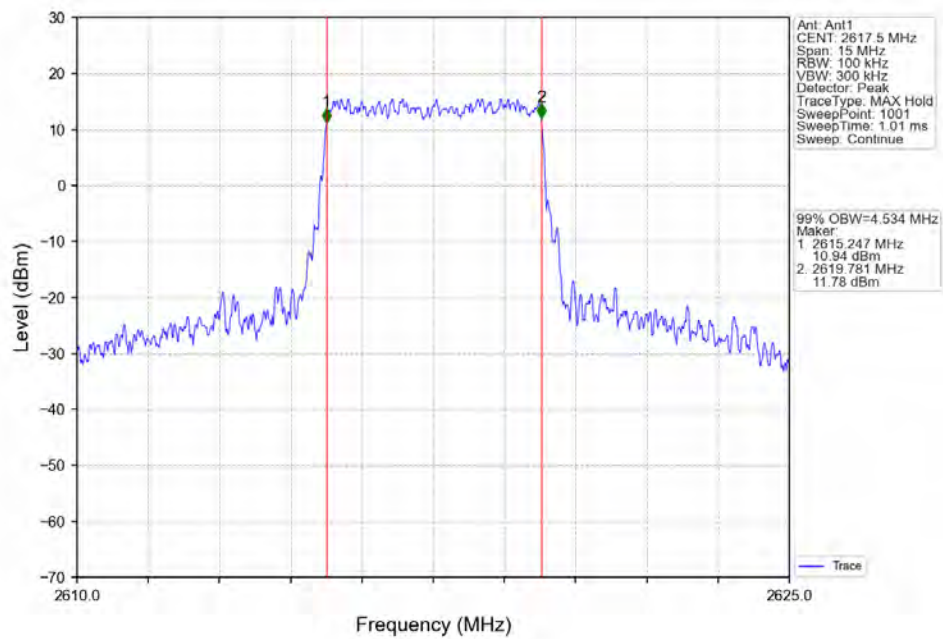
Band38 5MHz 16QAM LCH 2572.5MHz RB 25 0 NTNV



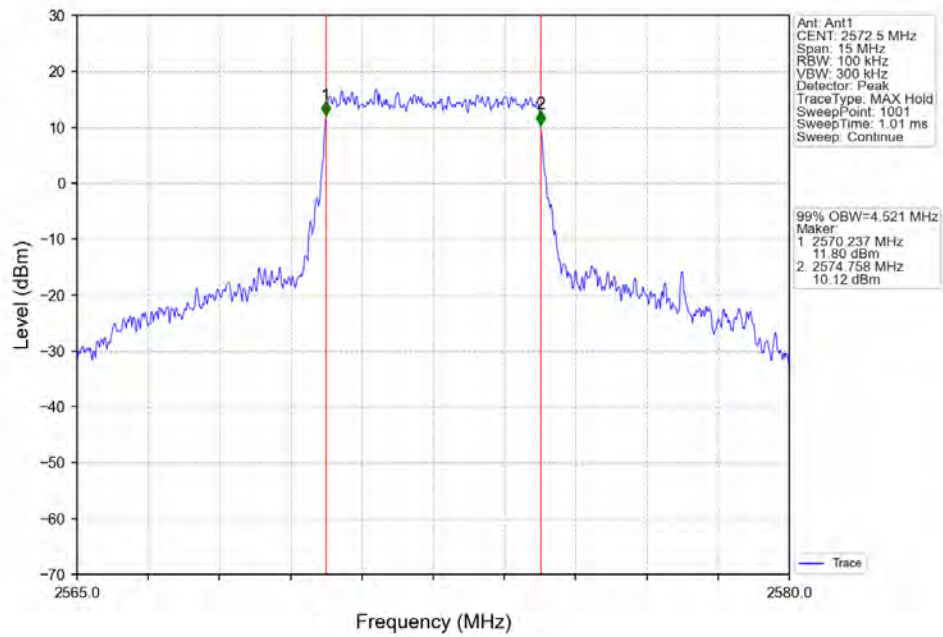
Band38_5MHz_16QAM_MCH_2595MHz_RB_25_0_NTNV



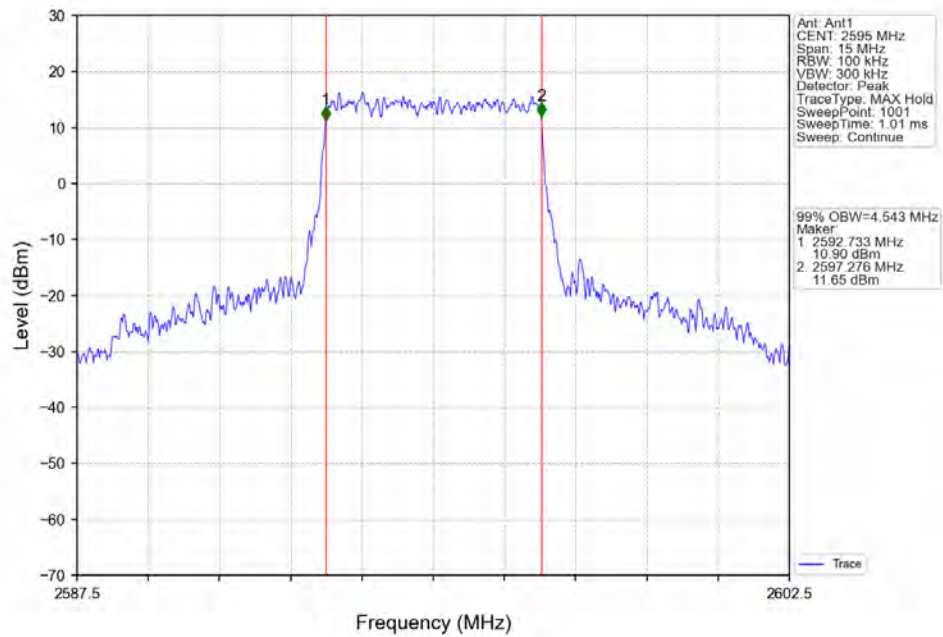
Band38_5MHz_16QAM_HCH_2617.5MHz_RB_25_0_NTNV



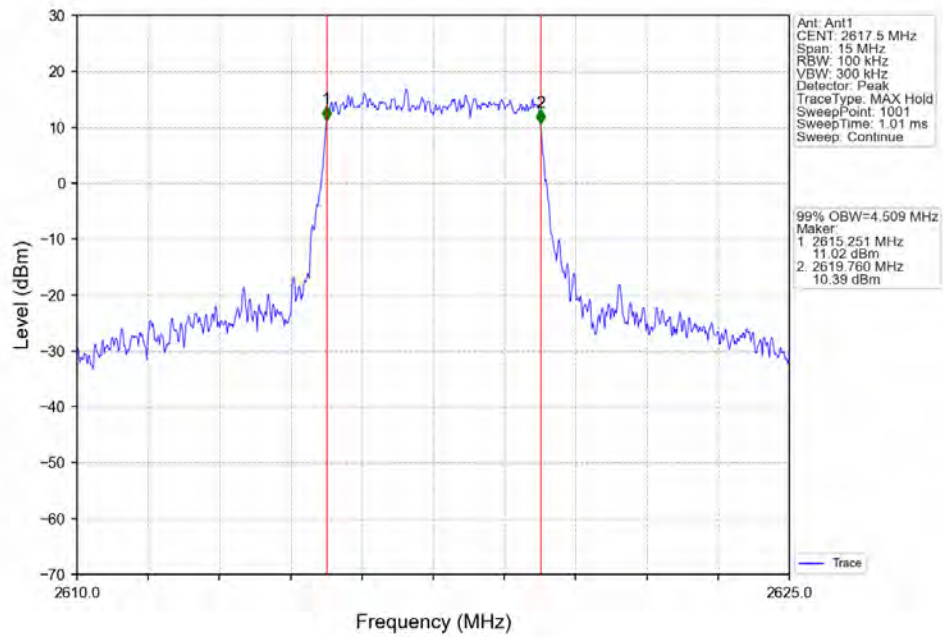
Band38 5MHz 64QAM LCH 2572.5MHz RB 25 0 NTN



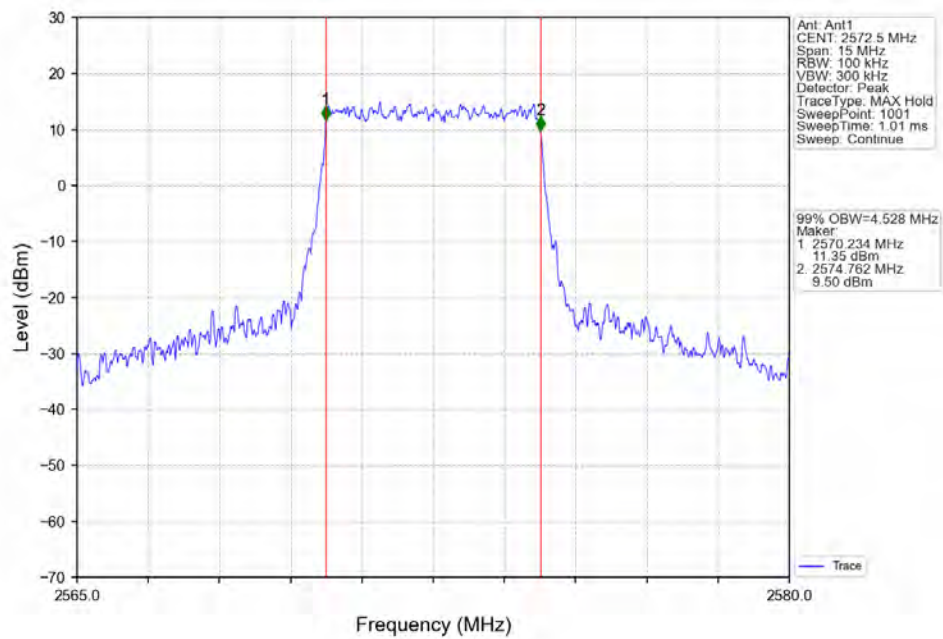
Band38_5MHz_64QAM_MCH_2595MHz_RB_25_0 NTN



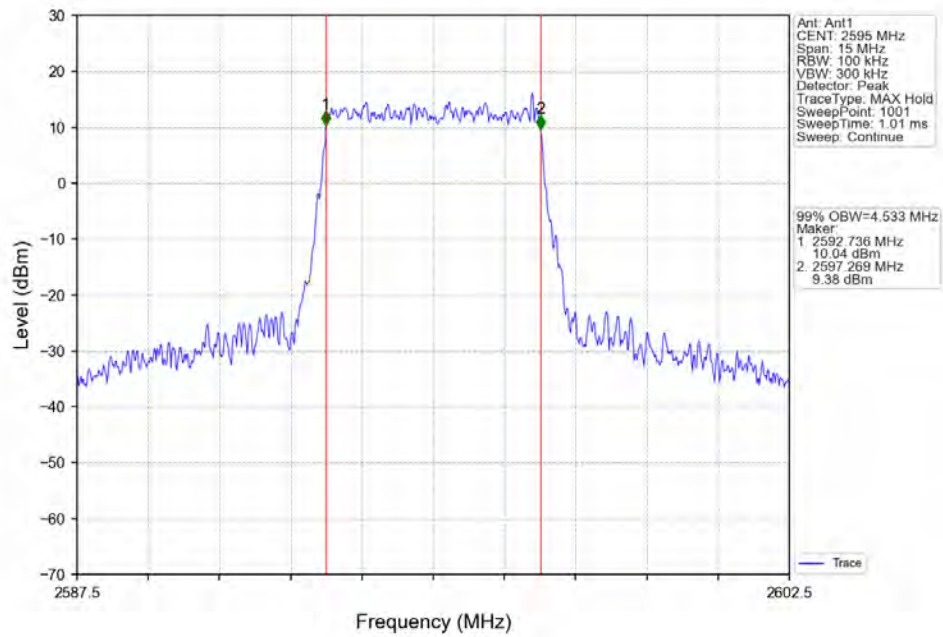
Band38 5MHz 64QAM HCH 2617.5MHz RB 25 0 NTN



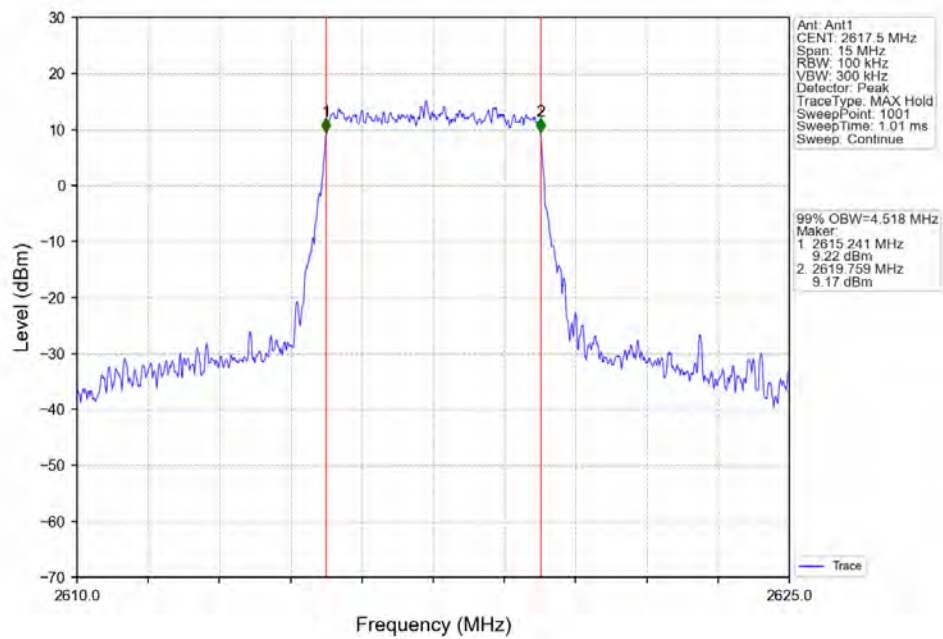
Band38 5MHz 256QAM LCH 2572.5MHz RB 25 0 NTN



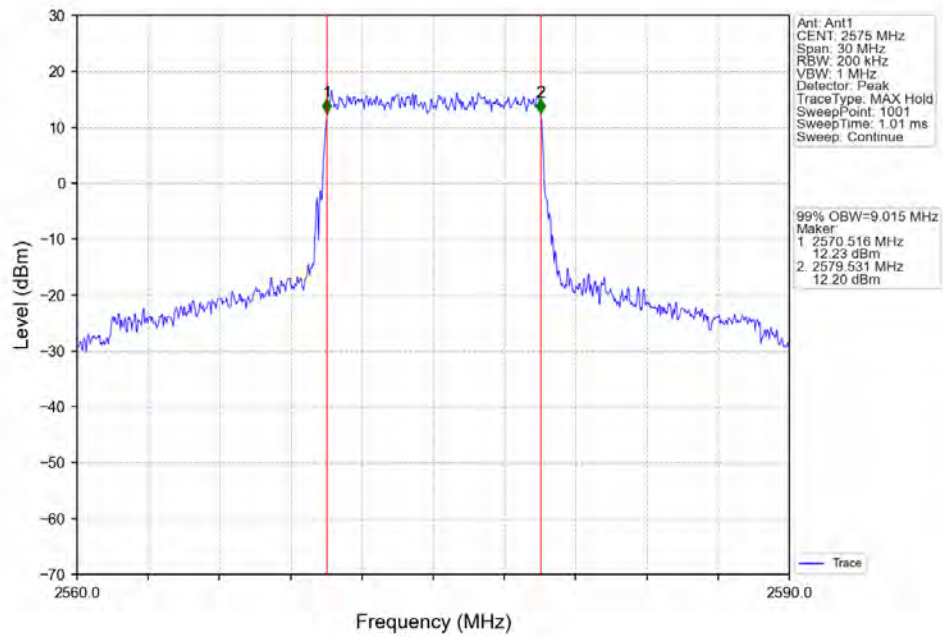
Band38 5MHz 256QAM MCH 2595MHz RB 25 0 NTN



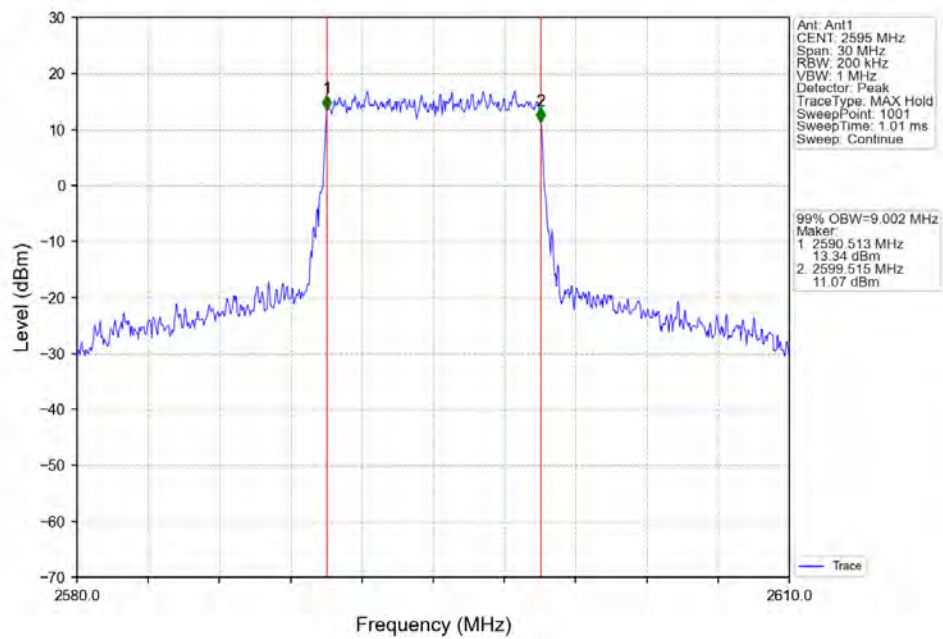
Band38_5MHz_256QAM_HCH_2617.5MHz_RB_25_0 NTN



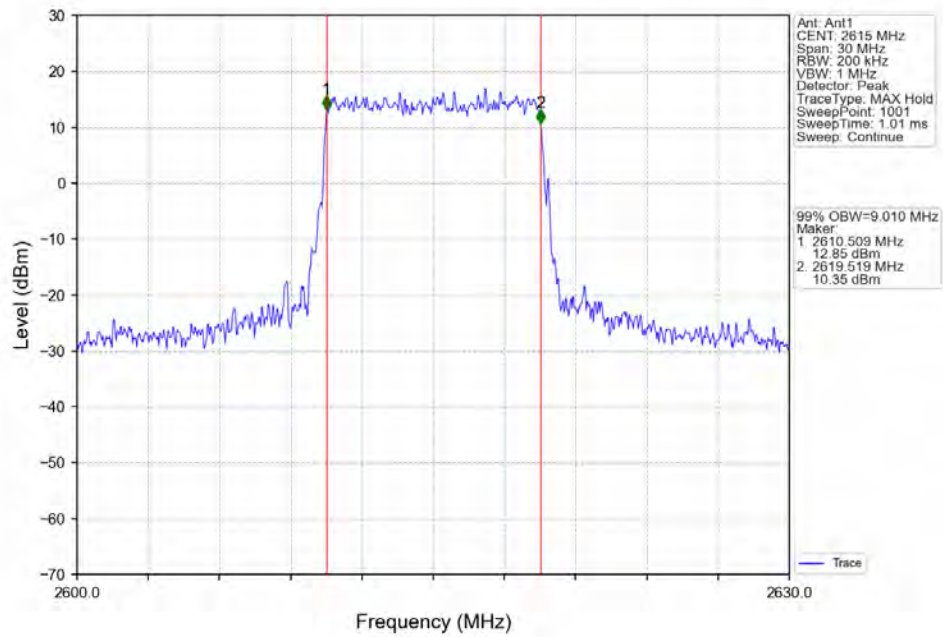
Band38_10MHz_QPSK_LCH_2575MHz_RB_50_0_NTNV



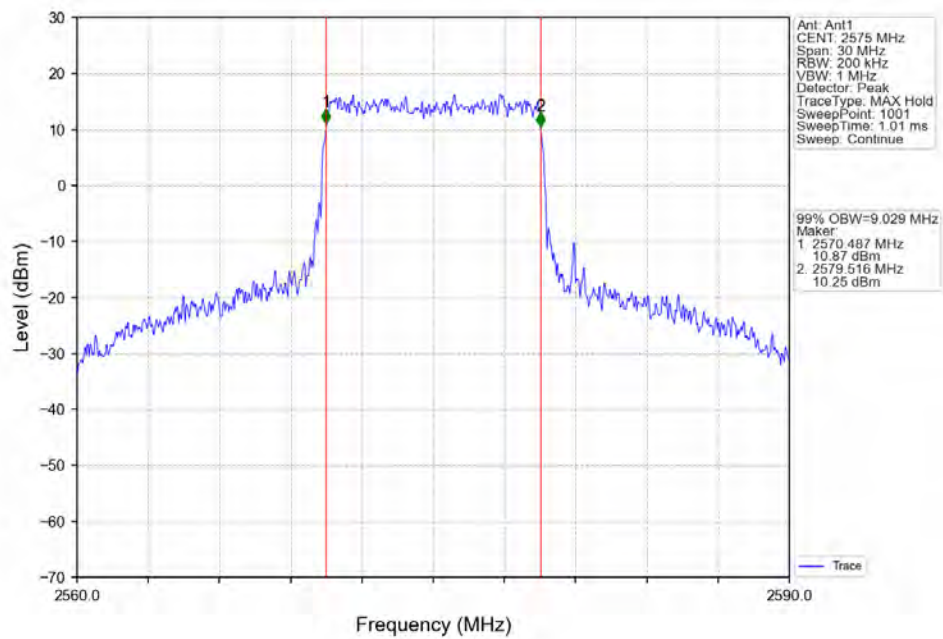
Band38_10MHz_QPSK_MCH_2595MHz_RB_50_0_NTNV



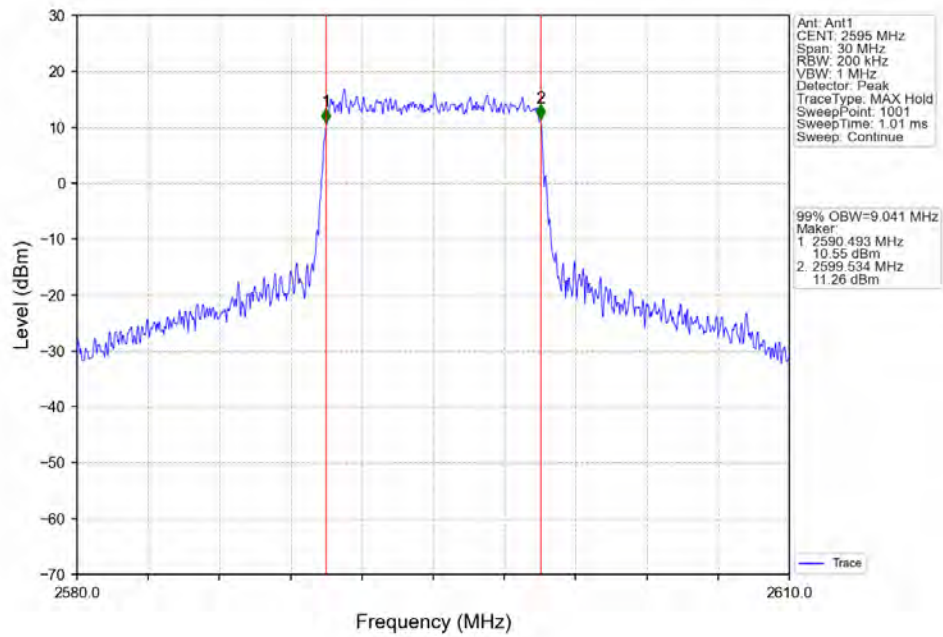
Band38_10MHz_QPSK_HCH_2615MHz_RB_50_0_NTNV



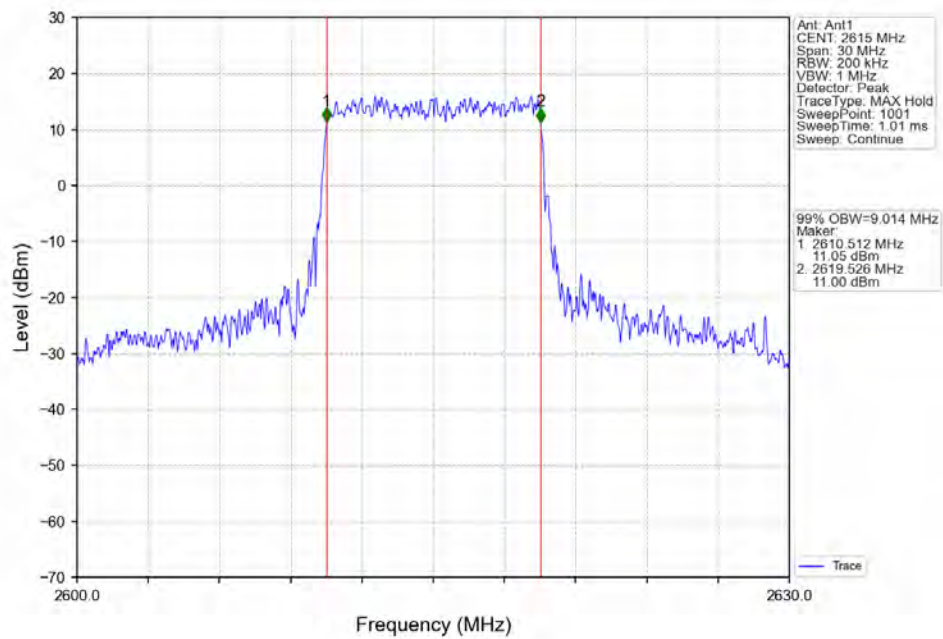
Band38_10MHz_16QAM_LCH_2575MHz_RB_50_0_NTNV



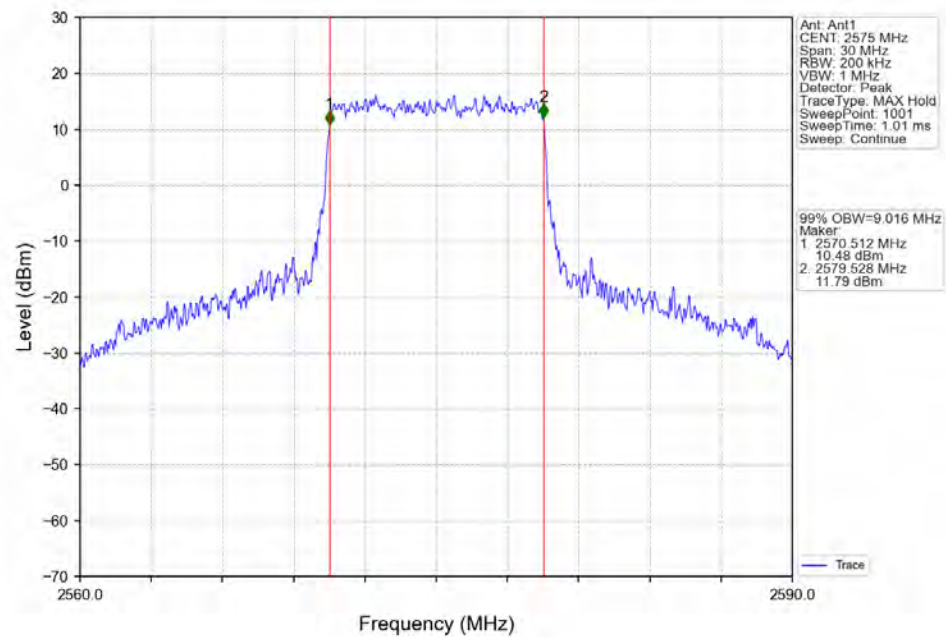
Band38 10MHz 16QAM MCH 2595MHz RB 50 0 NTN



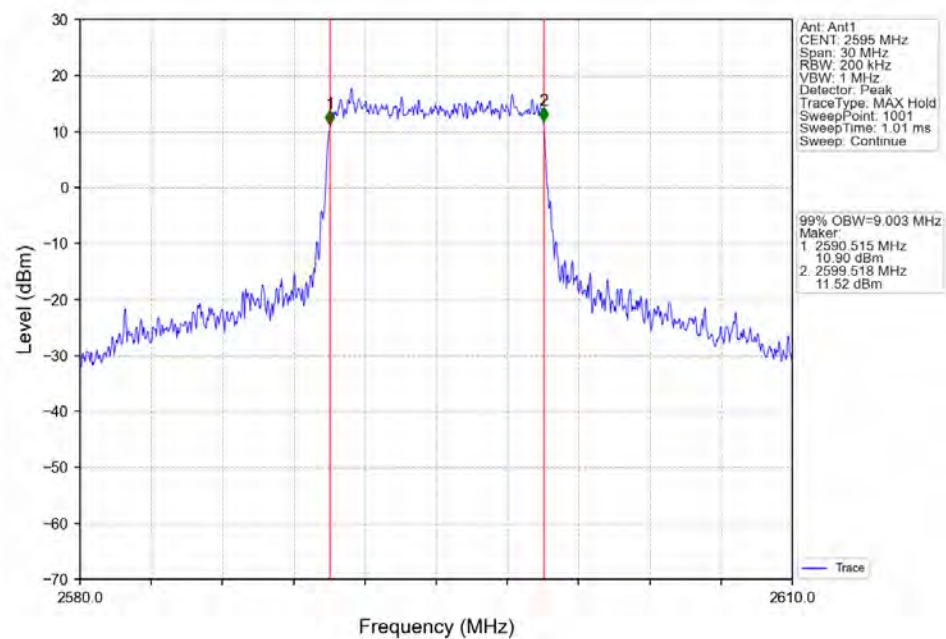
Band38 10MHz 16QAM HCH 2615MHz RB 50 0 NTN



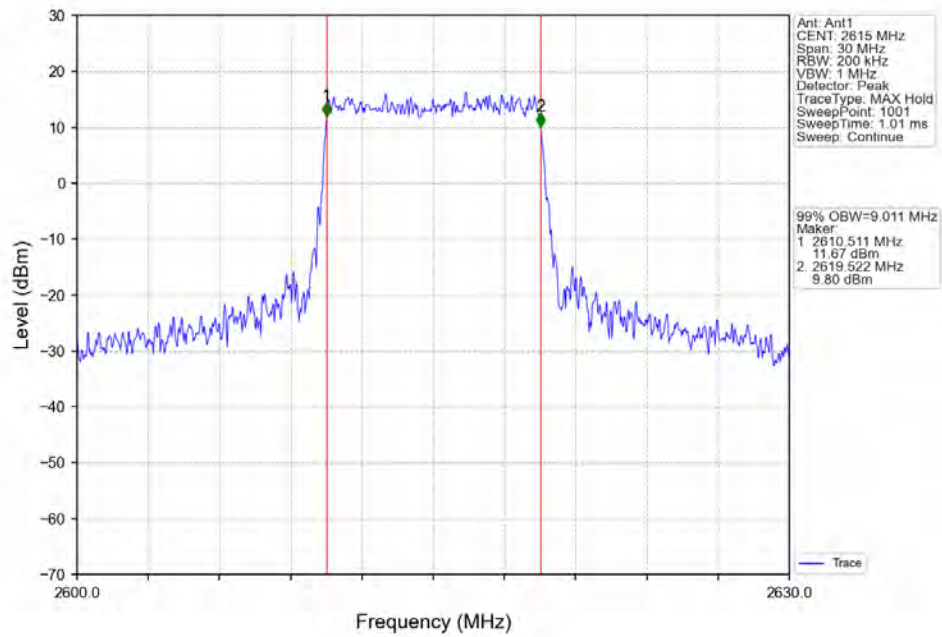
Band38 10MHz 64QAM LCH 2575MHz RB 50 0 NTNV



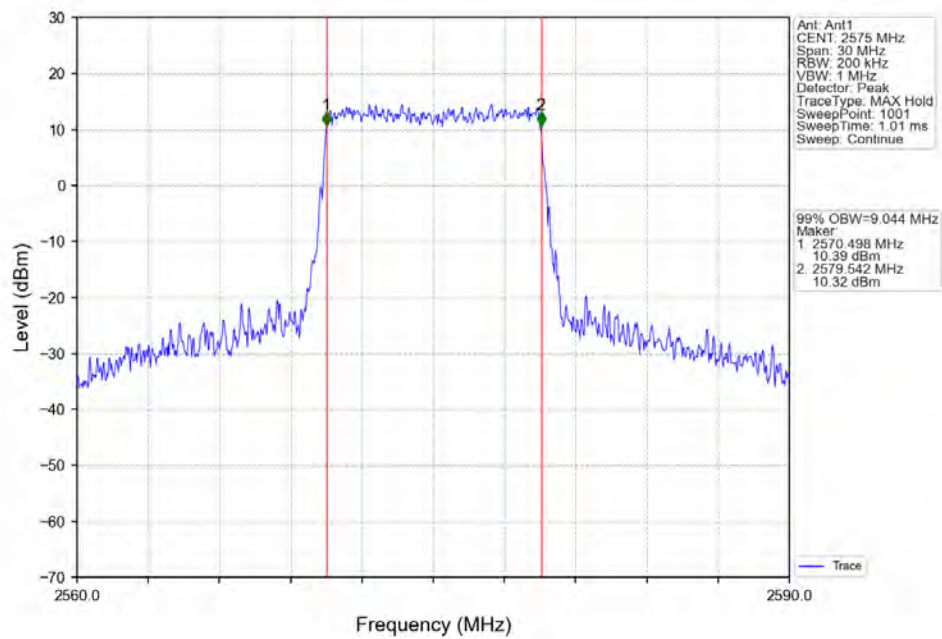
Band38 10MHz 64QAM MCH 2595MHz RB 50 0 NTNV



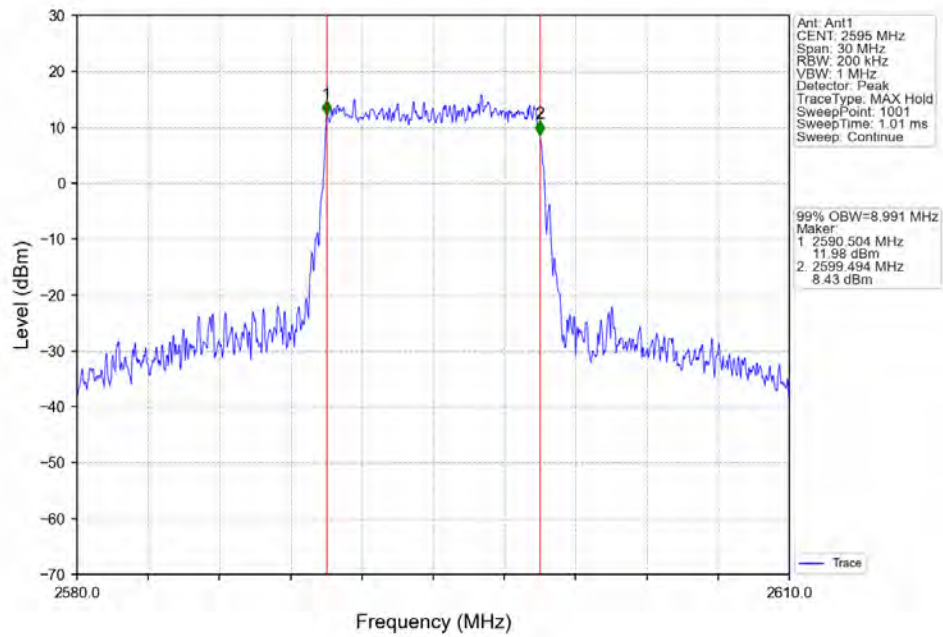
Band38 10MHz 64QAM HCH 2615MHz RB 50 0 NTN



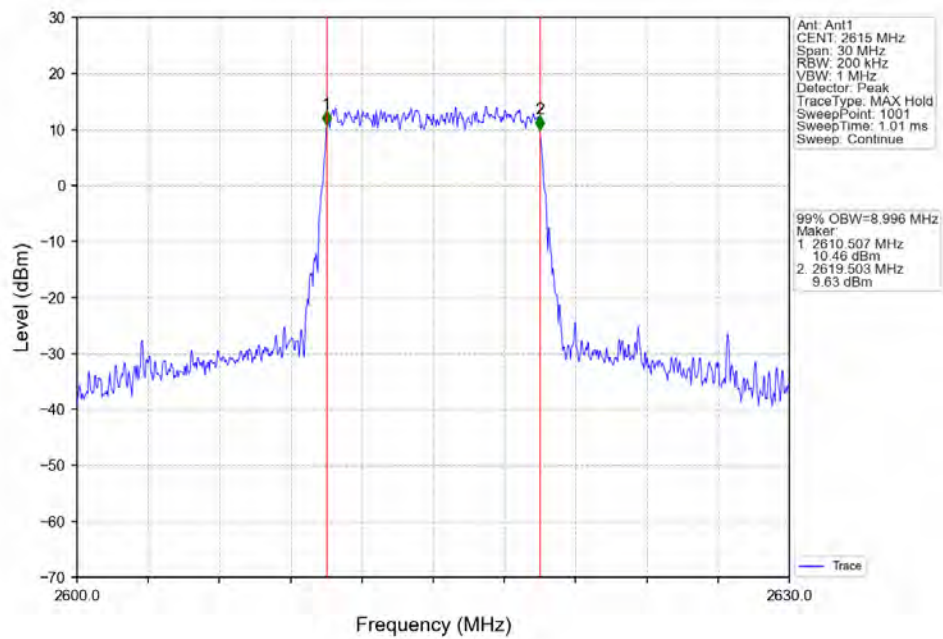
Band38_10MHz_256QAM_LCH_2575MHz_RB_50_0 NTN



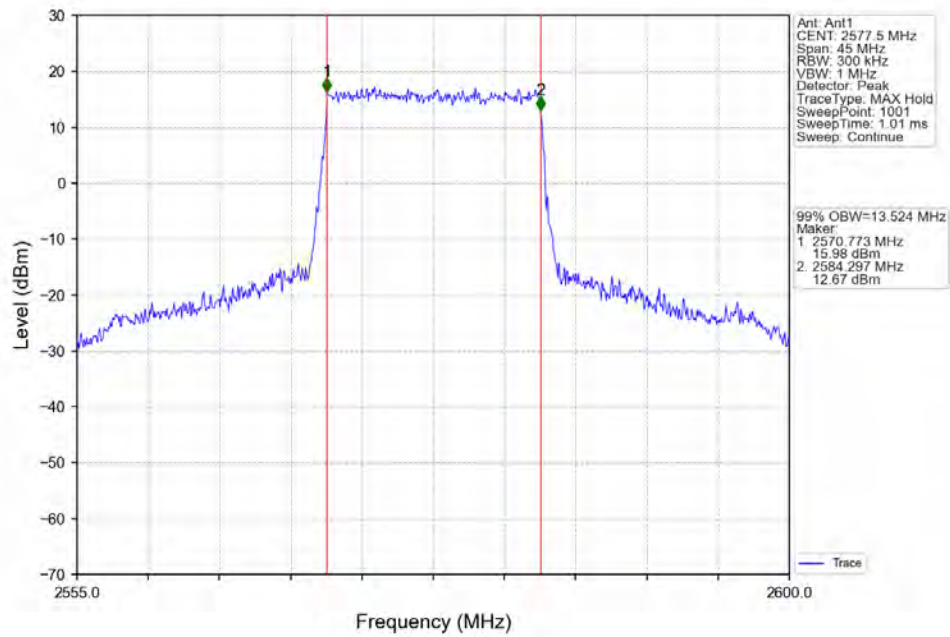
Band38_10MHz_256QAM_MCH_2595MHz_RB_50_0_NTNV



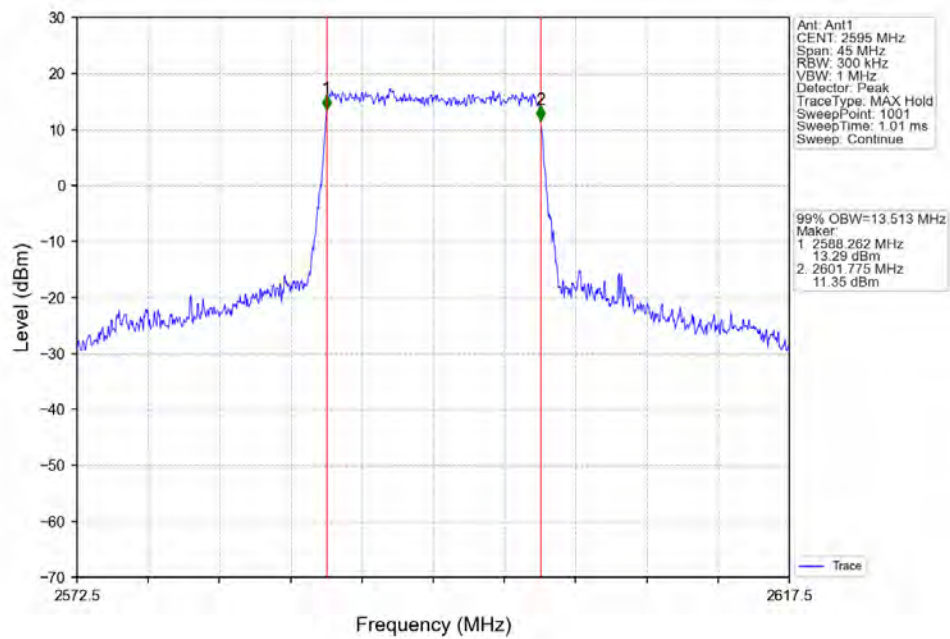
Band38_10MHz_256QAM_HCH_2615MHz_RB_50_0_NTNV



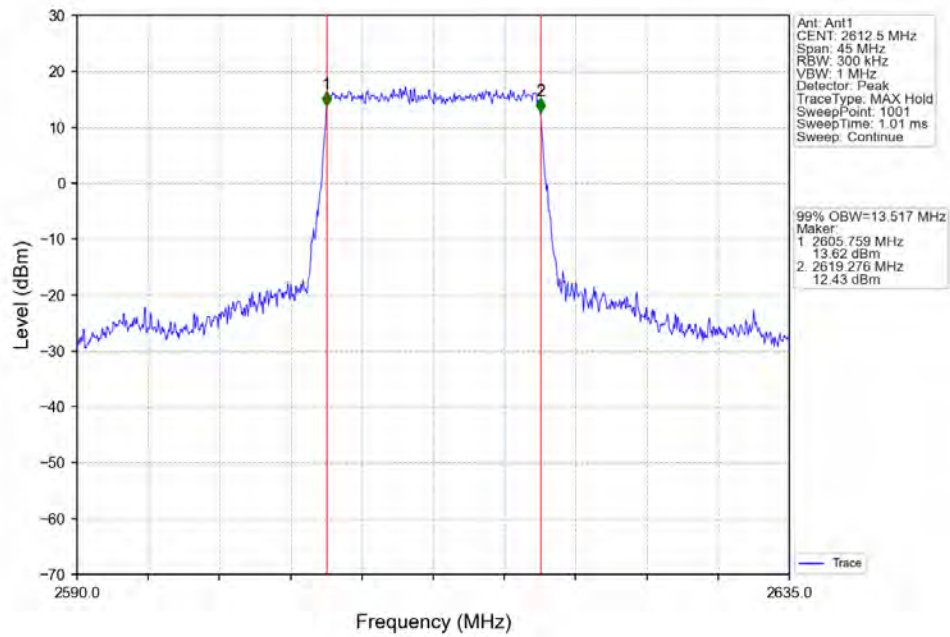
Band38 15MHz QPSK LCH 2577.5MHz RB 75 0 NTN



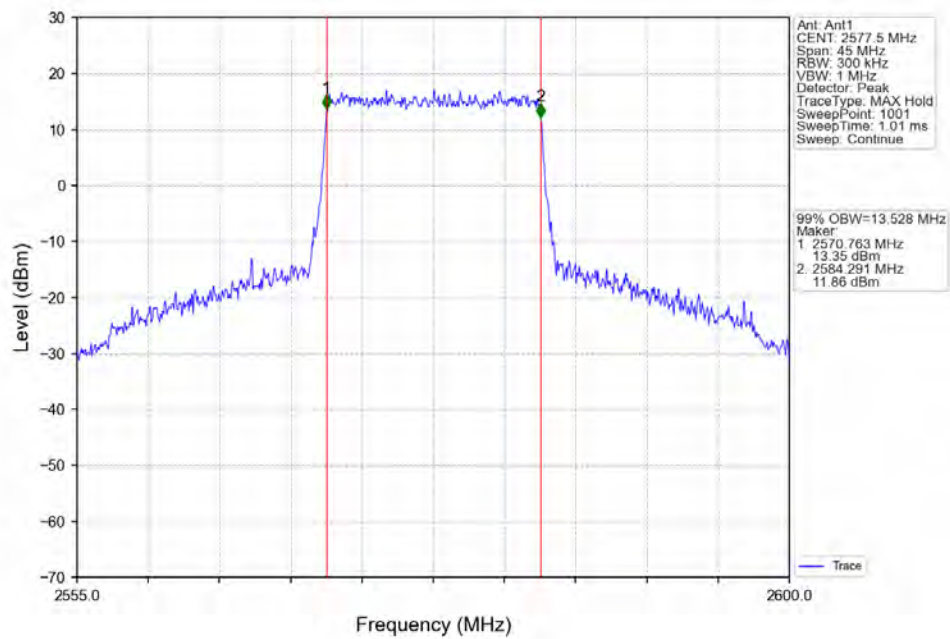
Band38_15MHz_QPSK_MCH_2595MHz_RB_75_0 NTN



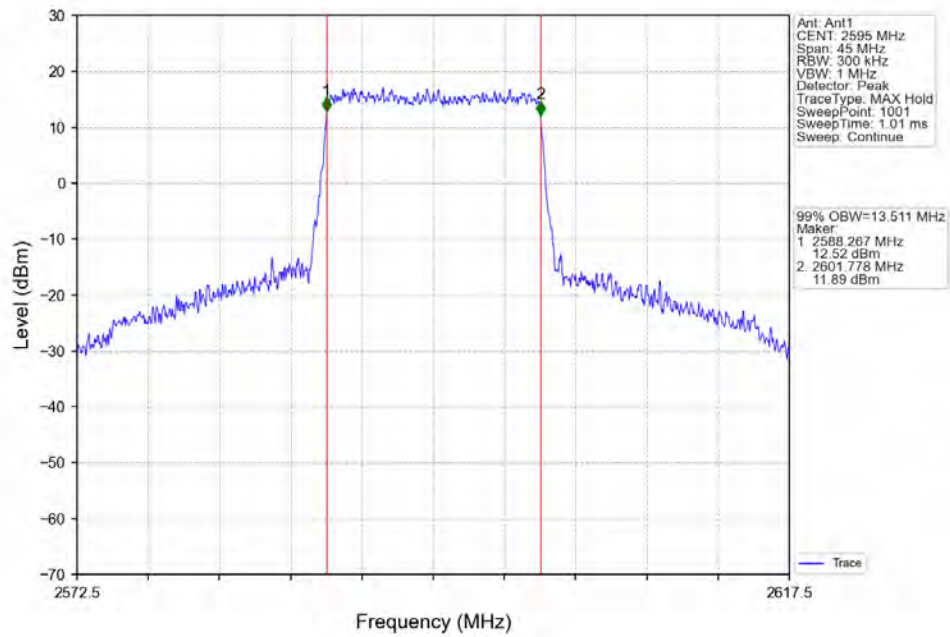
Band38 15MHz QPSK HCH 2612.5MHz RB 75 0 NTN



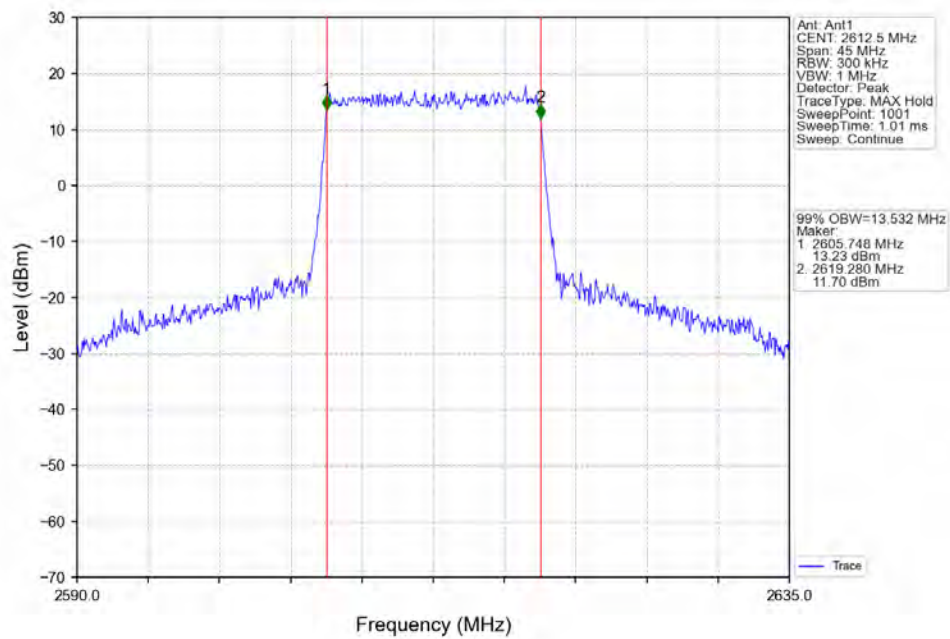
Band38 15MHz 16QAM LCH 2577.5MHz RB 75 0 NTN



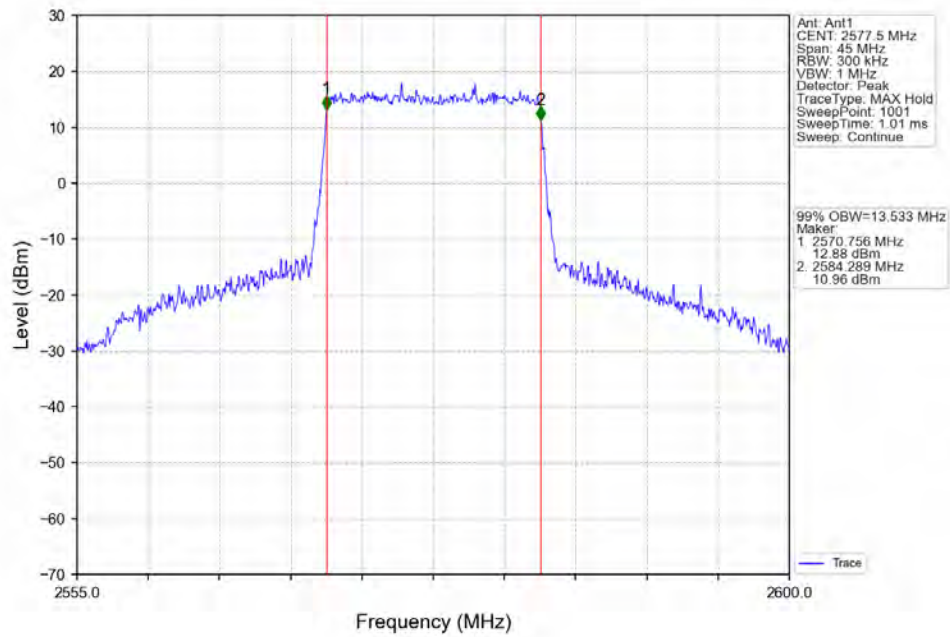
Band38 15MHz 16QAM MCH 2595MHz RB 75 0 NTNV



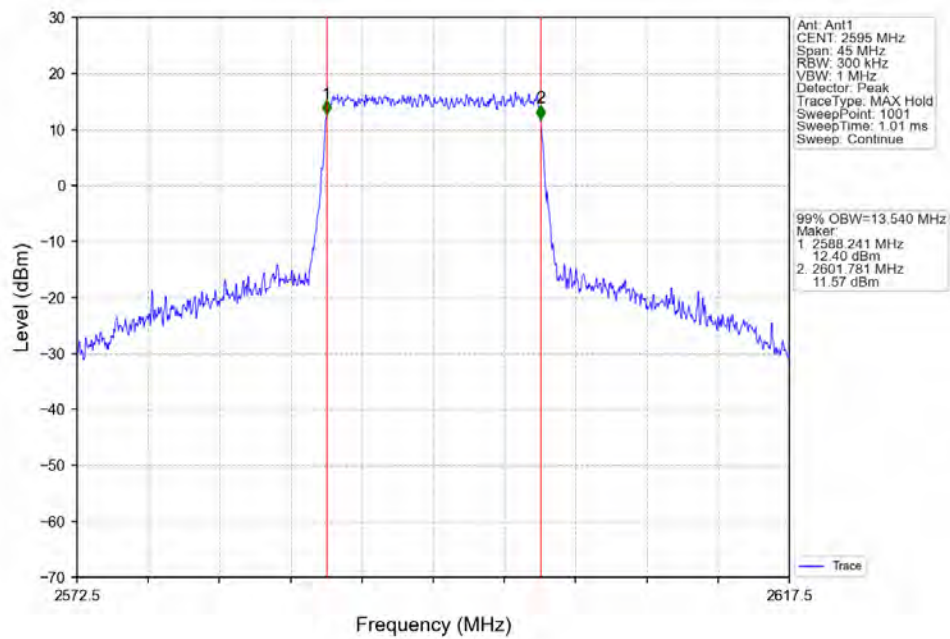
Band38_15MHz_16QAM_HCH_2612.5MHz_RB_75_0_NTNV



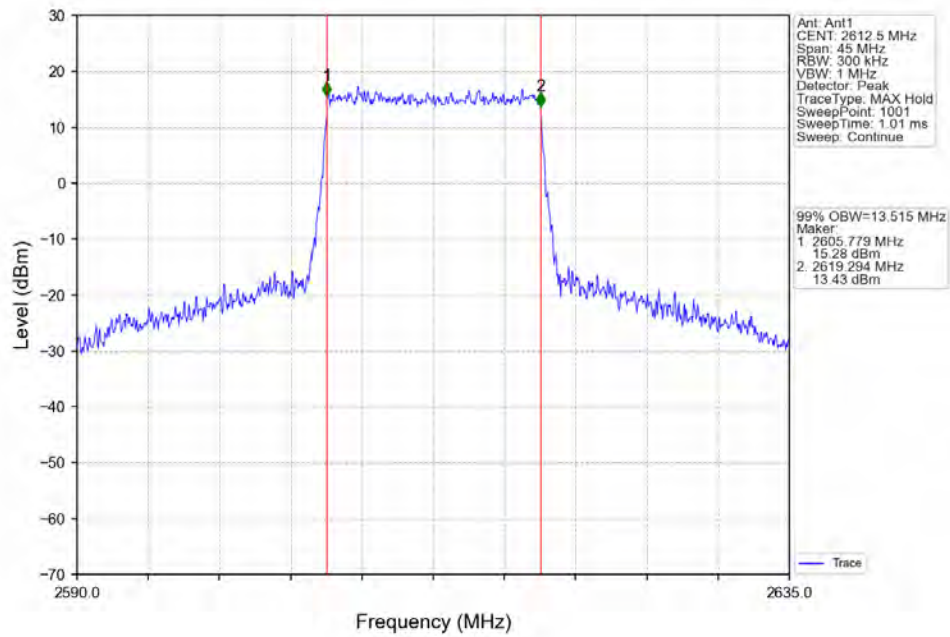
Band38_15MHz_64QAM_LCH_2577.5MHz_RB_75_0_NTNV



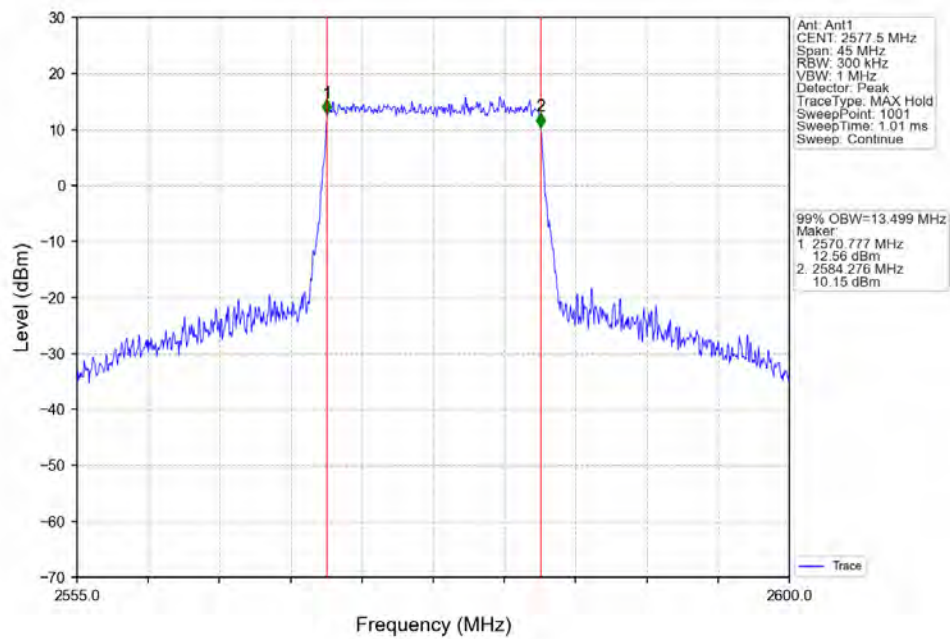
Band38_15MHz_64QAM_MCH_2595MHz_RB_75_0_NTNV



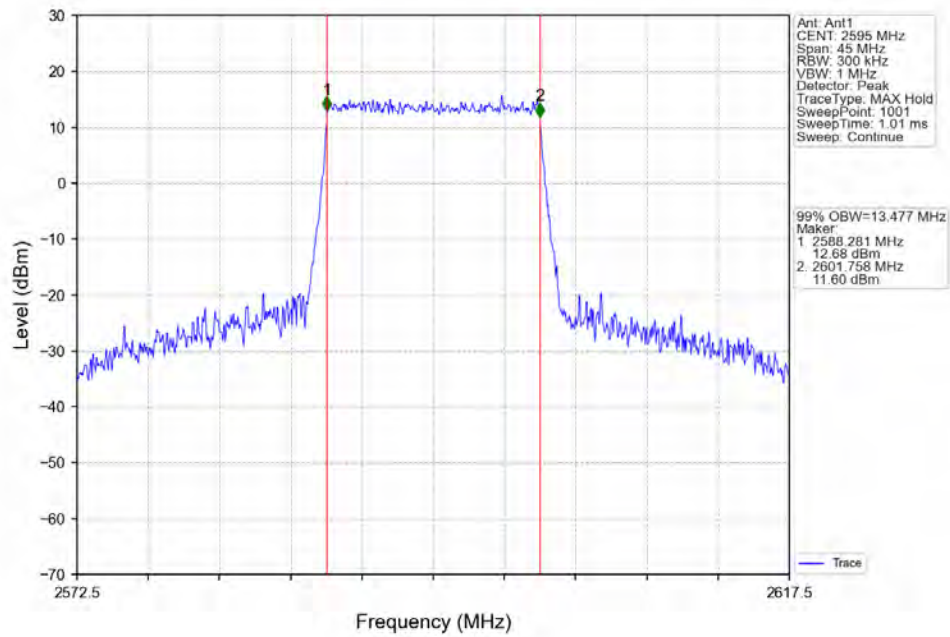
Band38_15MHz_64QAM_HCH_2612.5MHz_RB_75_0_NTNV



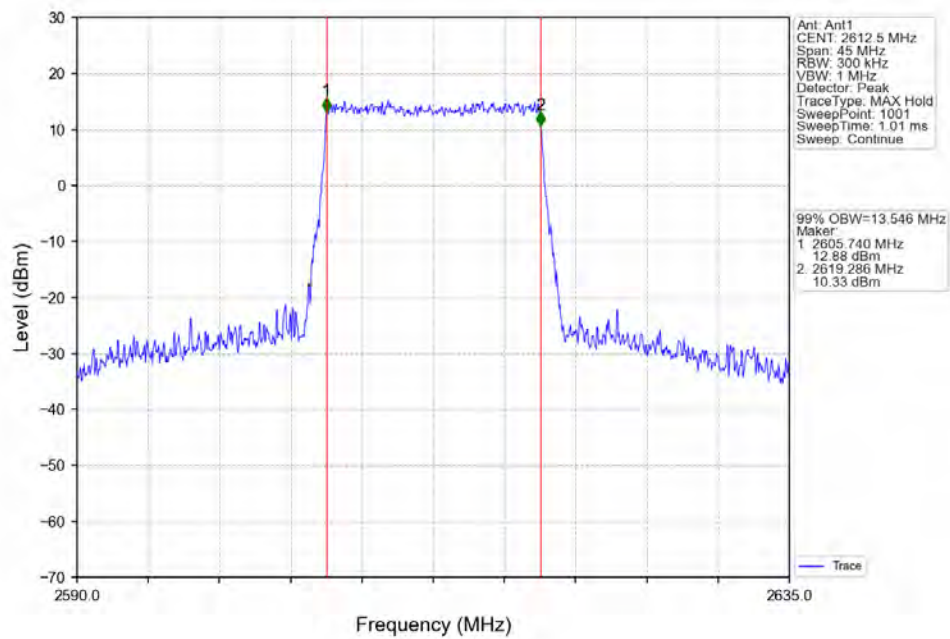
Band38_15MHz_256QAM_LCH_2577.5MHz_RB_75_0_NTNV



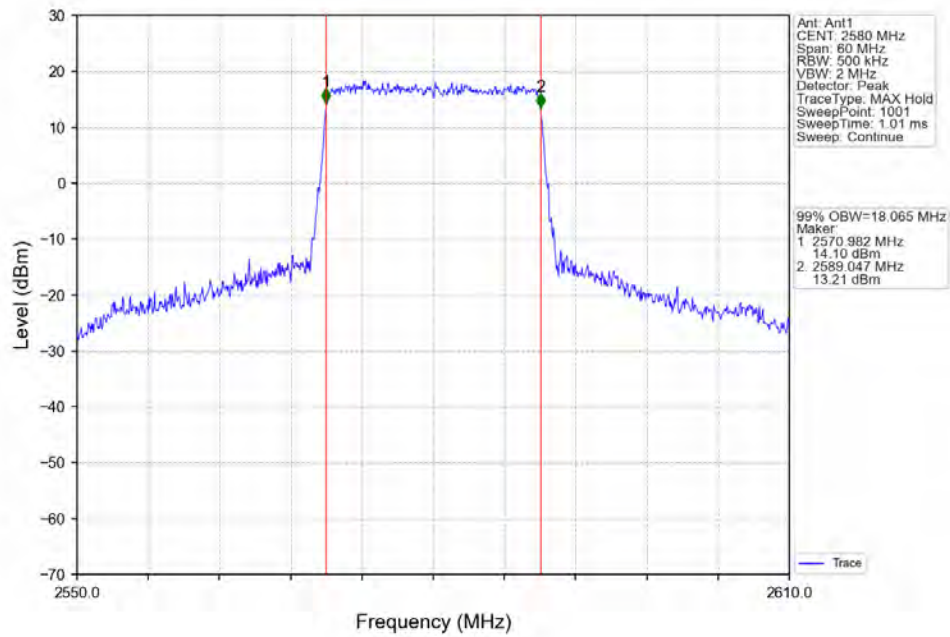
Band38_15MHz_256QAM_MCH_2595MHz_RB_75_0_NTNV



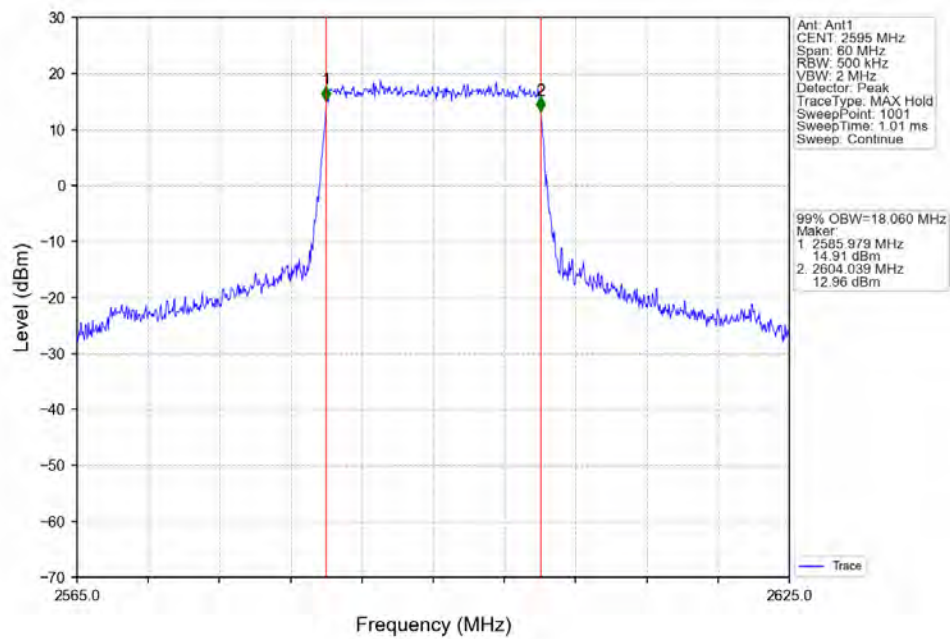
Band38_15MHz_256QAM_HCH_2612.5MHz_RB_75_0_NTNV



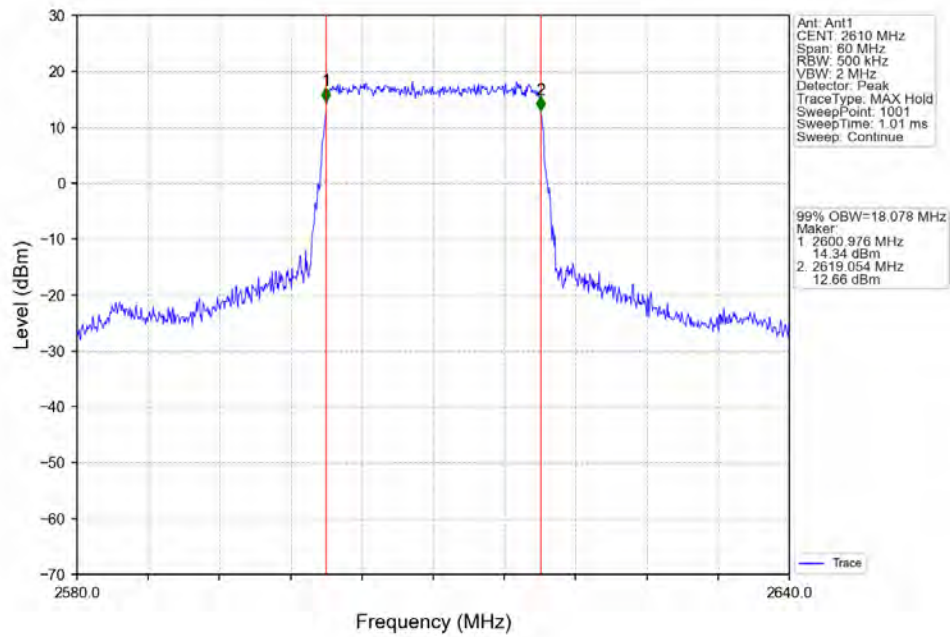
Band38_20MHz_QPSK_LCH_2580MHz_RB_100_0_NTNV



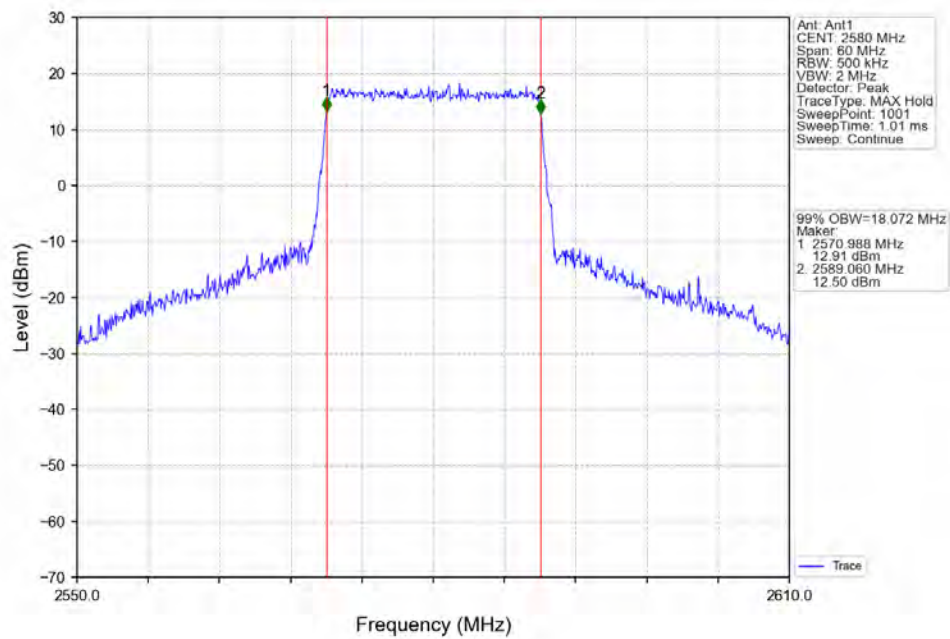
Band38_20MHz_QPSK_MCH_2595MHz_RB_100_0_NTNV



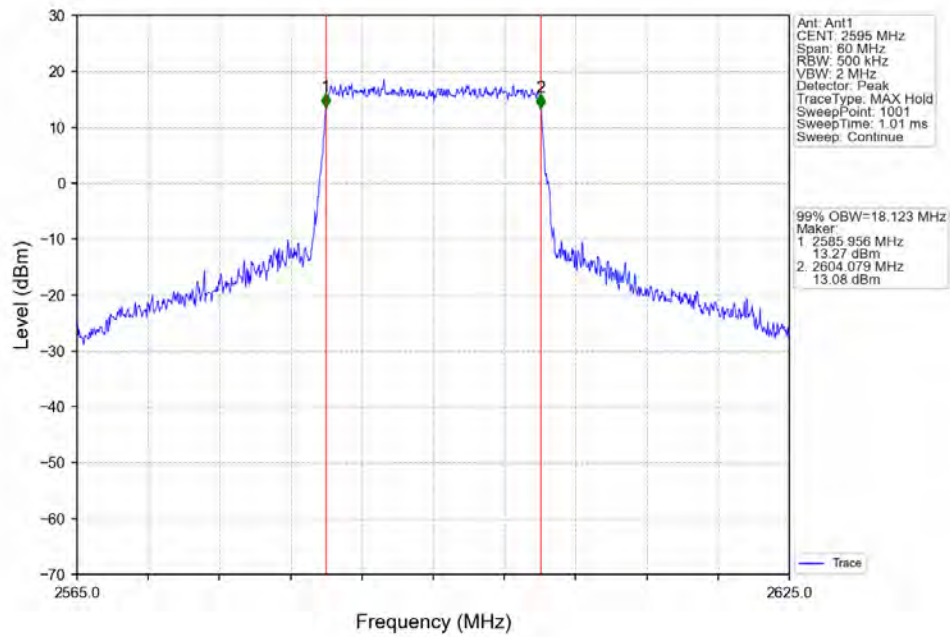
Band38 20MHz QPSK HCH 2610MHz RB 100 0 NTN



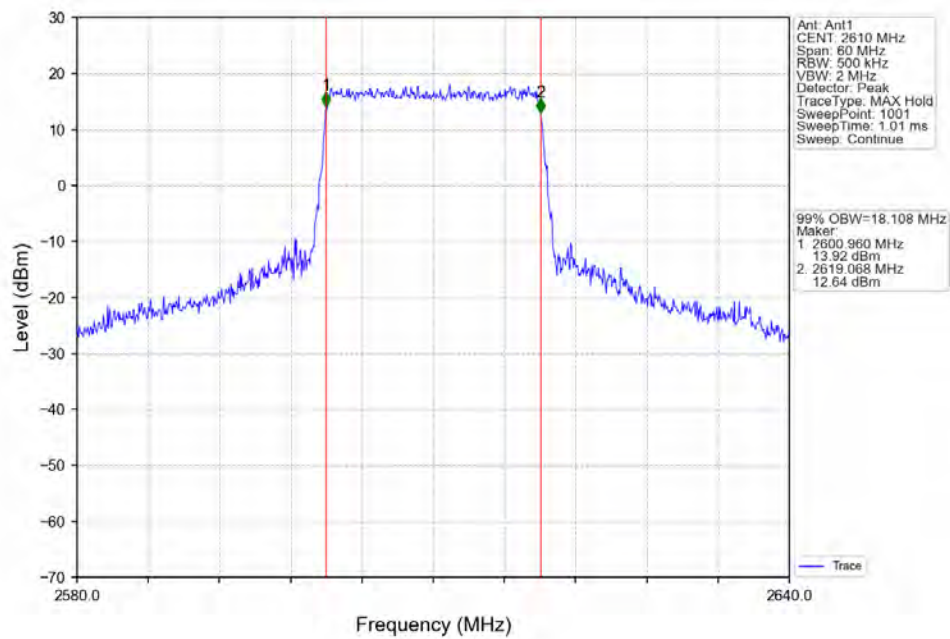
Band38_20MHz_16QAM_LCH_2580MHz_RB_100_0 NTN



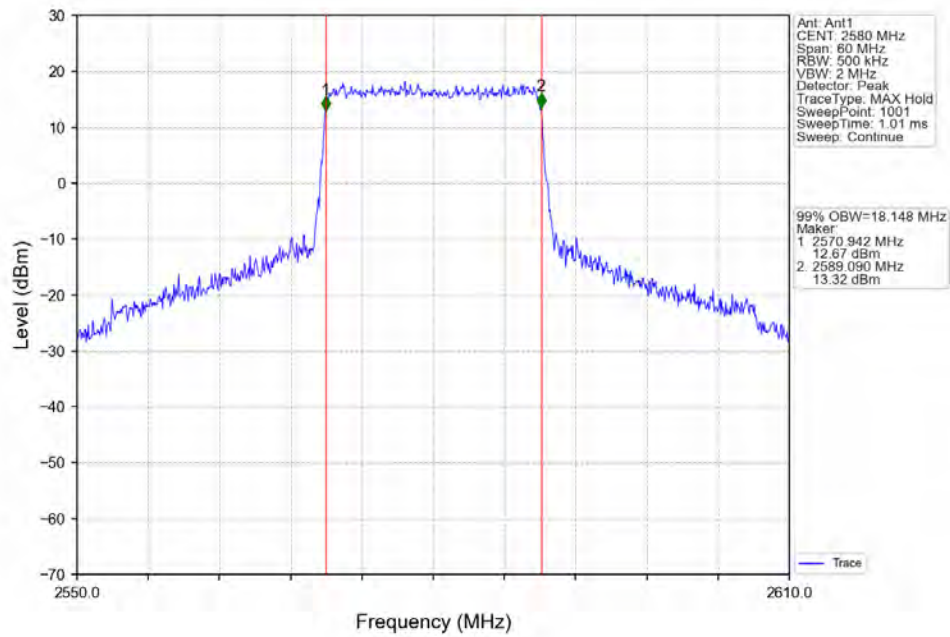
Band38_20MHz_16QAM_MCH_2595MHz_RB_100_0_NTNV



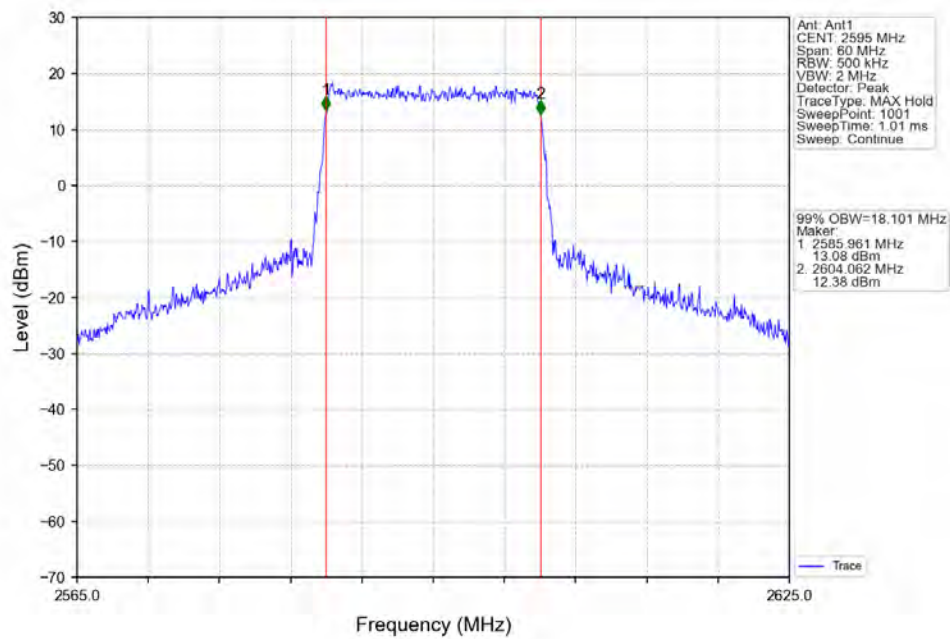
Band38_20MHz_16QAM_HCH_2610MHz_RB_100_0_NTNV



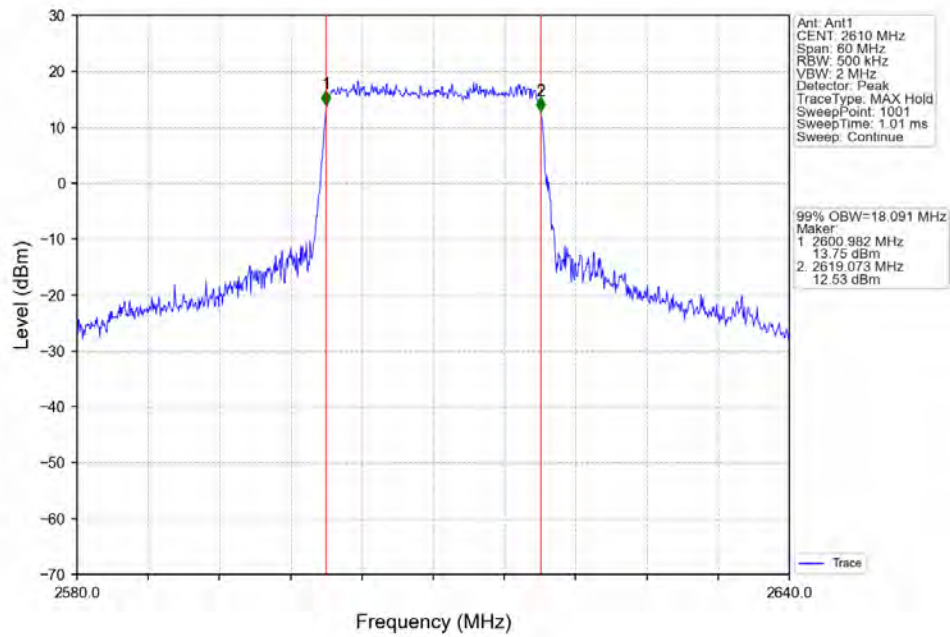
Band38 20MHz 64QAM LCH 2580MHz RB 100 0 NTNV



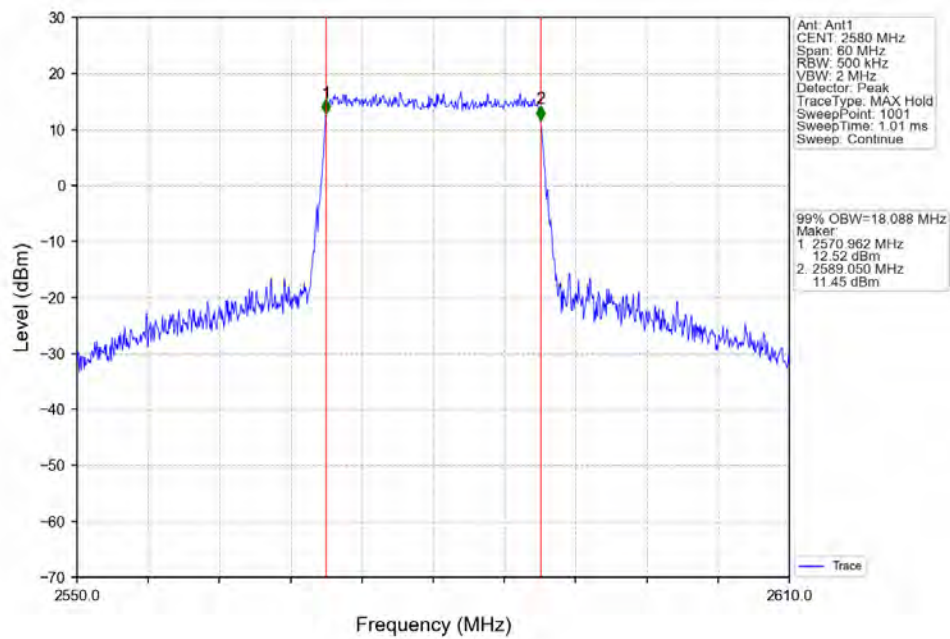
Band38 20MHz 64QAM MCH 2595MHz RB 100 0 NTNV



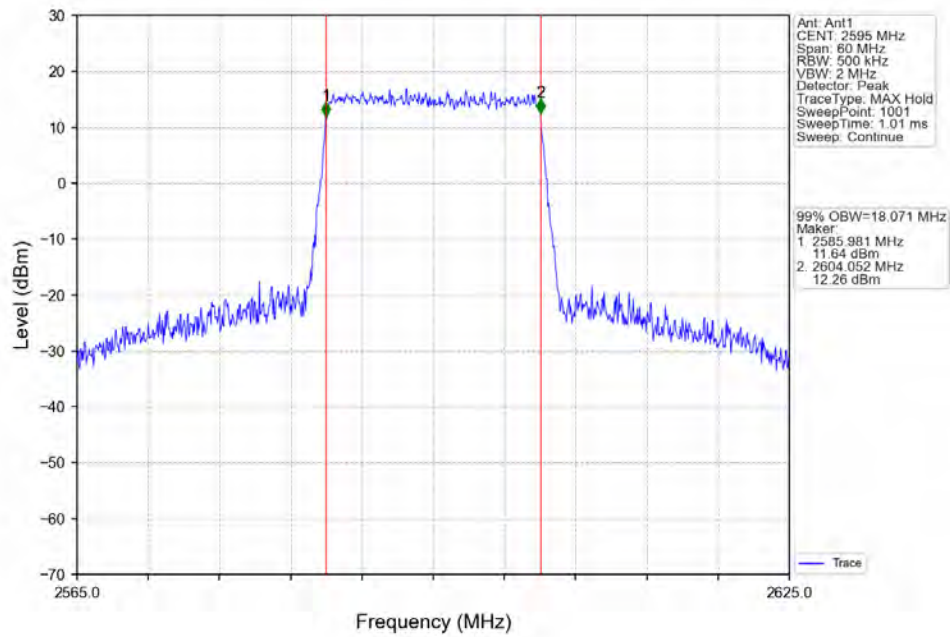
Band38 20MHz 64QAM HCH 2610MHz RB 100 0 NTNV



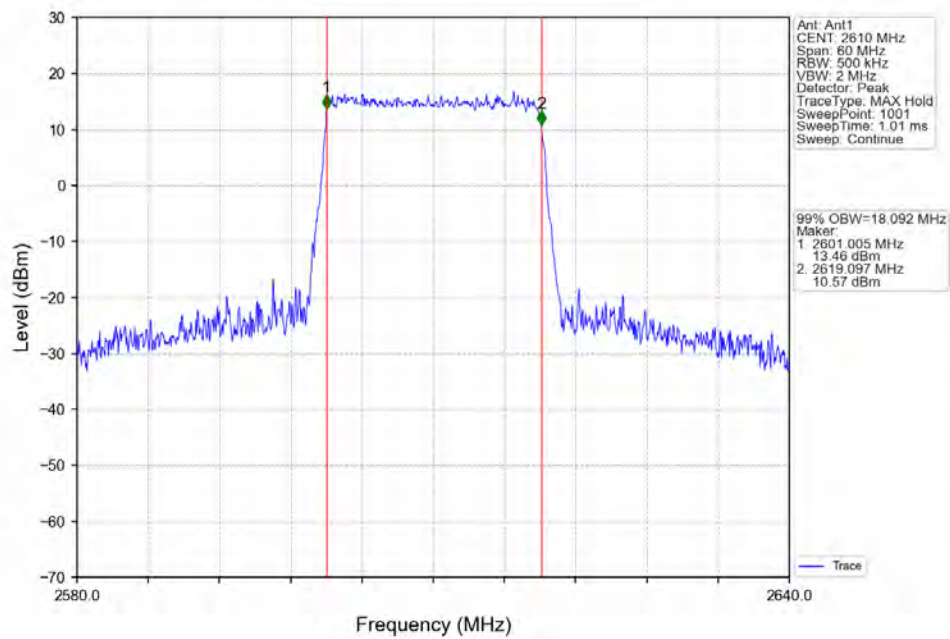
Band38 20MHz 256QAM LCH 2580MHz RB 100 0 NTNV



Band38 20MHz 256QAM MCH 2595MHz RB 100 0 NTN



Band38_20MHz_256QAM_HCH_2610MHz_RB_100_0 NTN

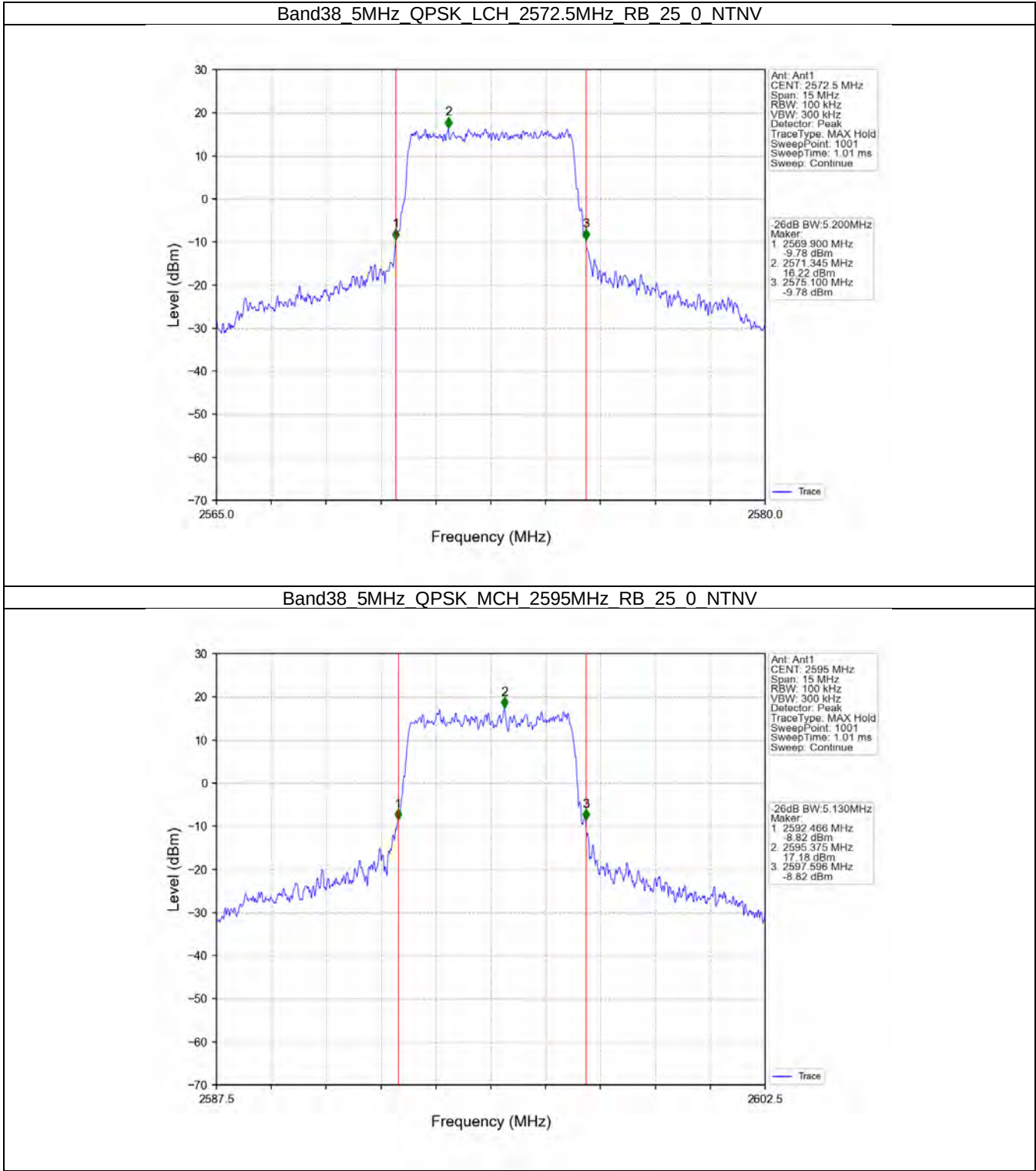


3.2 Band38_XDB

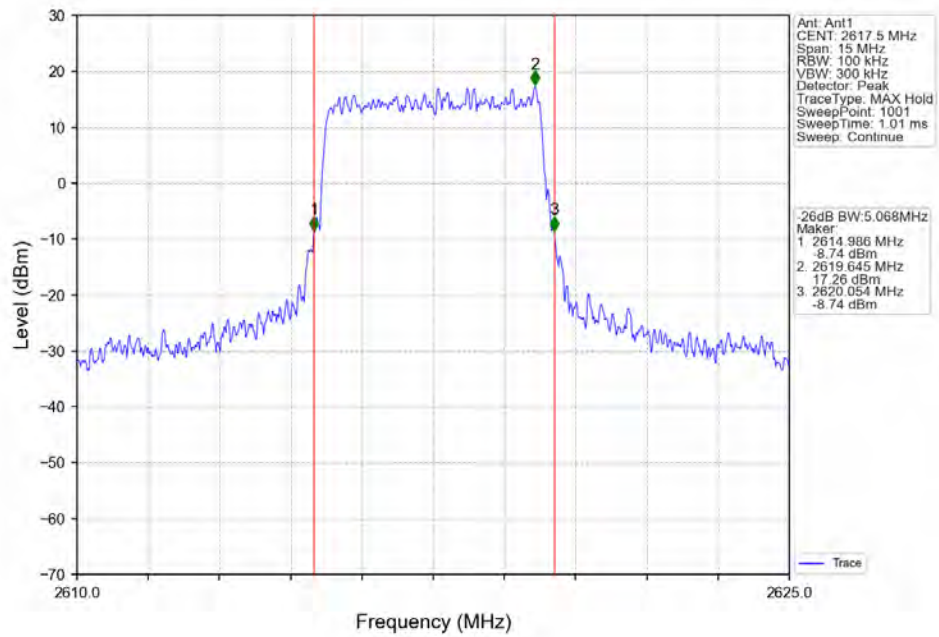
3.2.1 Test Result

Band: 38 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2572.5	25	0	5.200	/	Pass
		2595	25	0	5.130	/	Pass
		2617.5	25	0	5.068	/	Pass
	16QAM	2572.5	25	0	5.141	/	Pass
		2595	25	0	5.116	/	Pass
		2617.5	25	0	5.172	/	Pass
	64QAM	2572.5	25	0	5.206	/	Pass
		2595	25	0	5.172	/	Pass
		2617.5	25	0	5.061	/	Pass
	256QAM	2572.5	25	0	5.227	/	Pass
		2595	25	0	5.100	/	Pass
		2617.5	25	0	5.096	/	Pass
10	QPSK	2575	50	0	10.020	/	Pass
		2595	50	0	10.117	/	Pass
		2615	50	0	9.835	/	Pass
	16QAM	2575	50	0	9.926	/	Pass
		2595	50	0	9.872	/	Pass
		2615	50	0	10.021	/	Pass
	64QAM	2575	50	0	10.019	/	Pass
		2595	50	0	9.815	/	Pass
		2615	50	0	9.884	/	Pass
	256QAM	2575	50	0	9.918	/	Pass
		2595	50	0	9.928	/	Pass
		2615	50	0	9.791	/	Pass
15	QPSK	2577.5	75	0	14.974	/	Pass
		2595	75	0	15.039	/	Pass
		2612.5	75	0	15.044	/	Pass
	16QAM	2577.5	75	0	15.085	/	Pass
		2595	75	0	15.086	/	Pass
		2612.5	75	0	14.779	/	Pass
	64QAM	2577.5	75	0	14.966	/	Pass
		2595	75	0	14.941	/	Pass
		2612.5	75	0	14.947	/	Pass
	256QAM	2577.5	75	0	14.874	/	Pass
		2595	75	0	14.869	/	Pass
		2612.5	75	0	15.089	/	Pass
20	QPSK	2580	100	0	19.941	/	Pass
		2595	100	0	20.027	/	Pass
		2610	100	0	20.184	/	Pass
	16QAM	2580	100	0	20.104	/	Pass
		2595	100	0	19.915	/	Pass
		2610	100	0	20.039	/	Pass
	64QAM	2580	100	0	19.935	/	Pass
		2595	100	0	20.044	/	Pass
		2610	100	0	19.943	/	Pass
	256QAM	2580	100	0	19.981	/	Pass
		2595	100	0	19.917	/	Pass
		2610	100	0	19.987	/	Pass

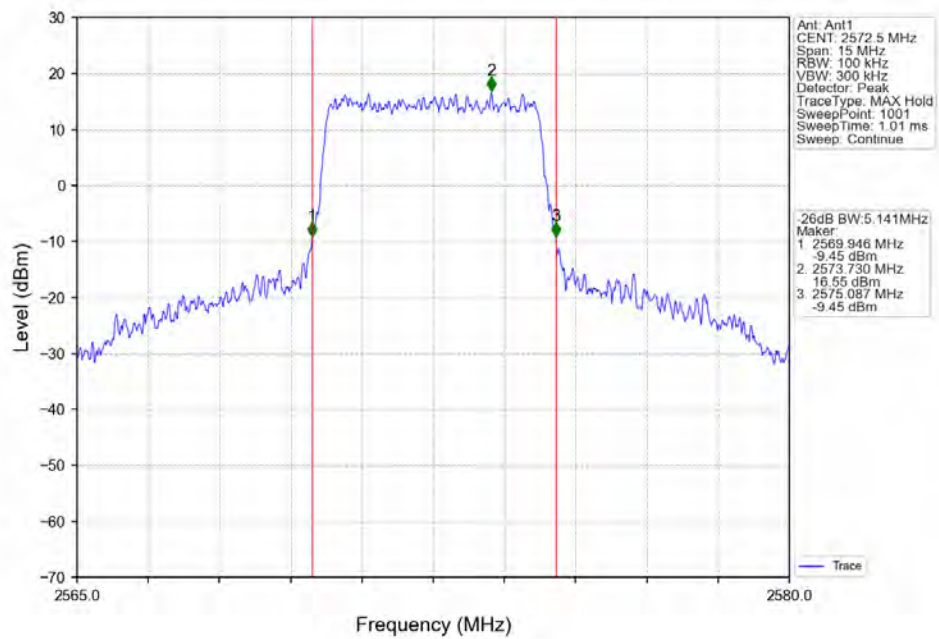
3.2.2 Test Graph



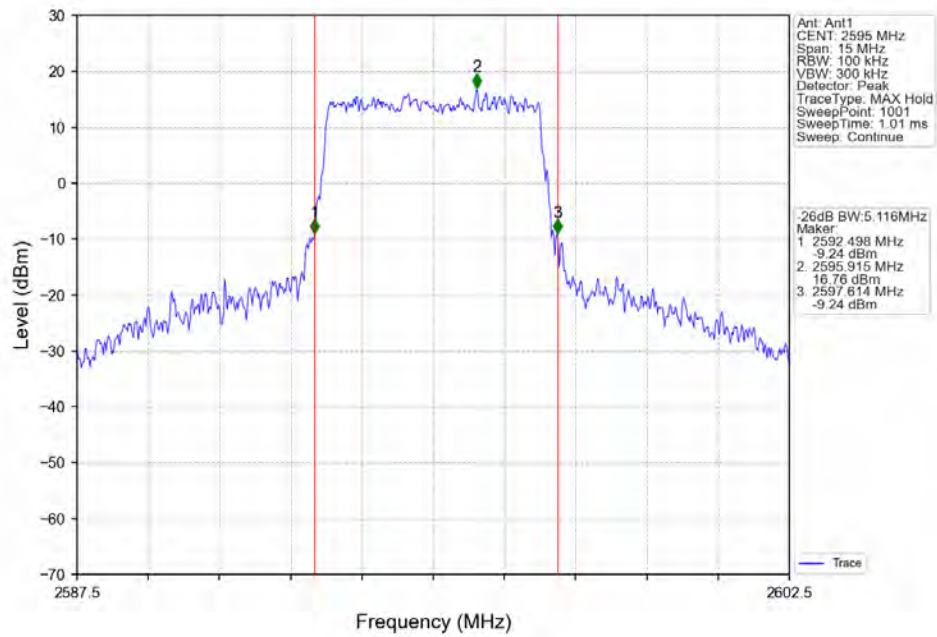
Band38 5MHz QPSK HCH 2617.5MHz RB 25 0 NTNV



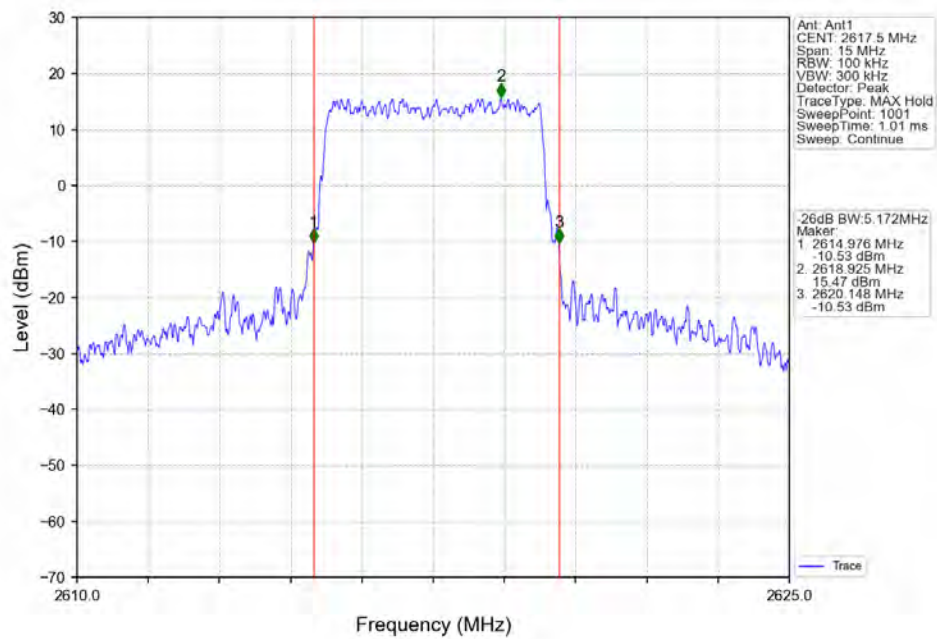
Band38 5MHz 16QAM LCH 2572.5MHz RB 25 0 NTNV



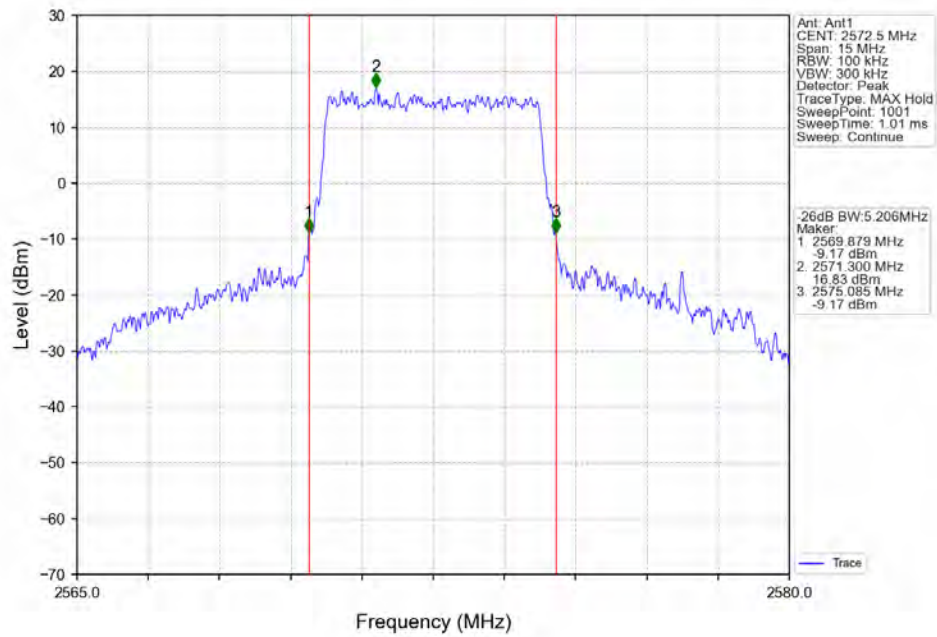
Band38_5MHz_16QAM_MCH_2595MHz_RB_25_0_NTNV



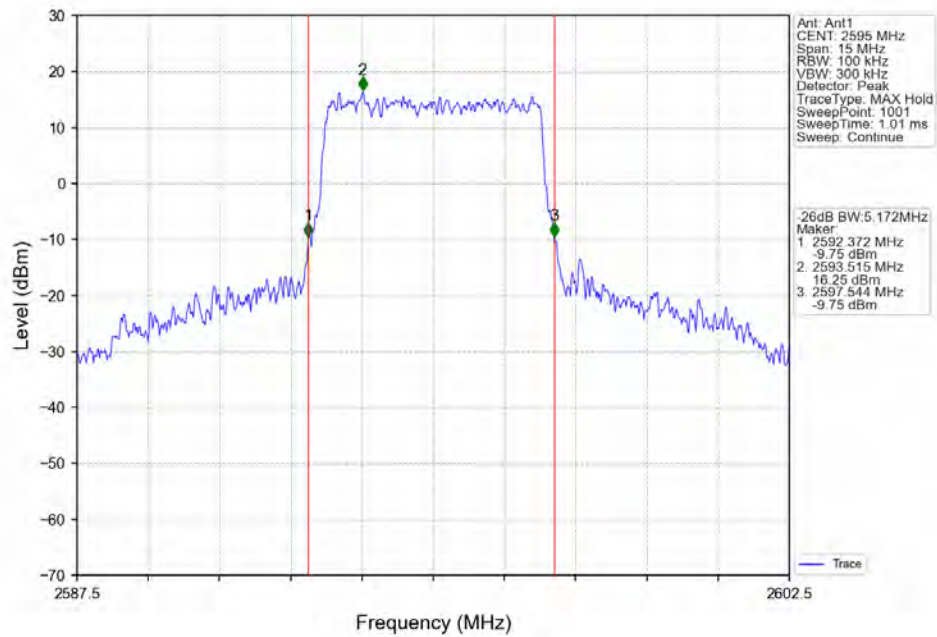
Band38_5MHz_16QAM_HCH_2617.5MHz_RB_25_0_NTNV



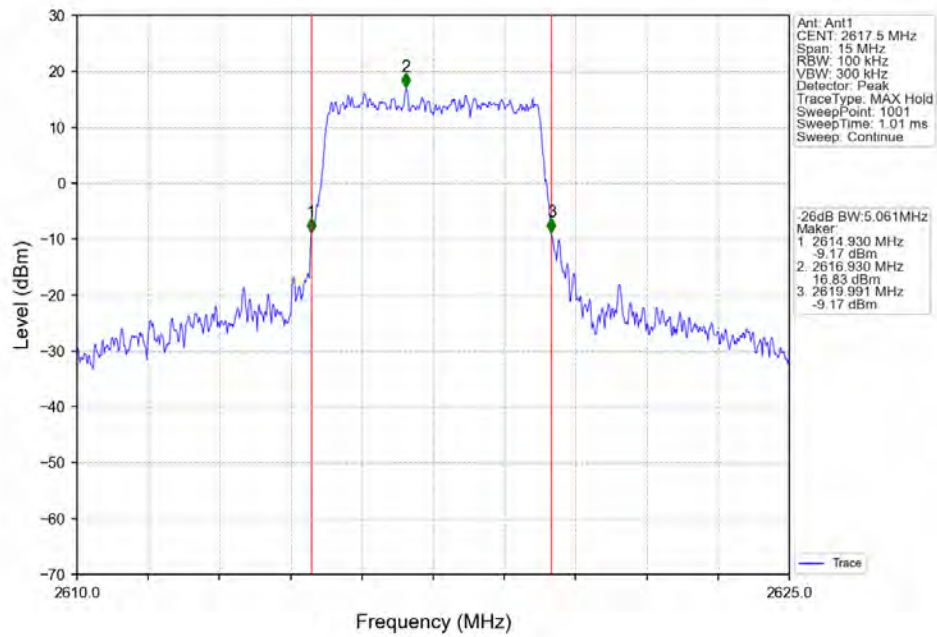
Band38 5MHz 64QAM LCH 2572.5MHz RB 25 0 NTN



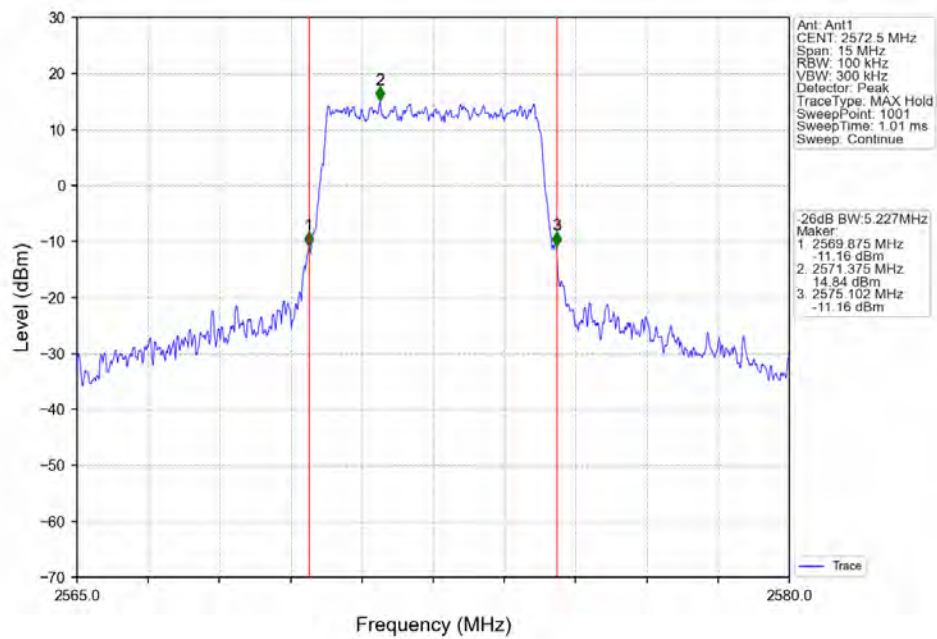
Band38_5MHz_64QAM_MCH_2595MHz_RB_25_0 NTN



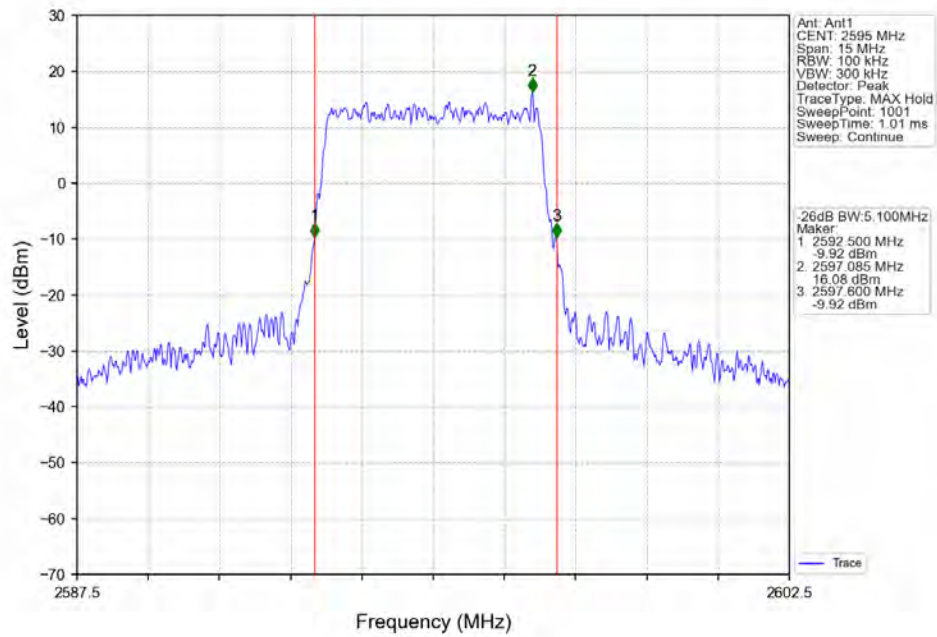
Band38 5MHz 64QAM HCH 2617.5MHz RB 25 0 NTN



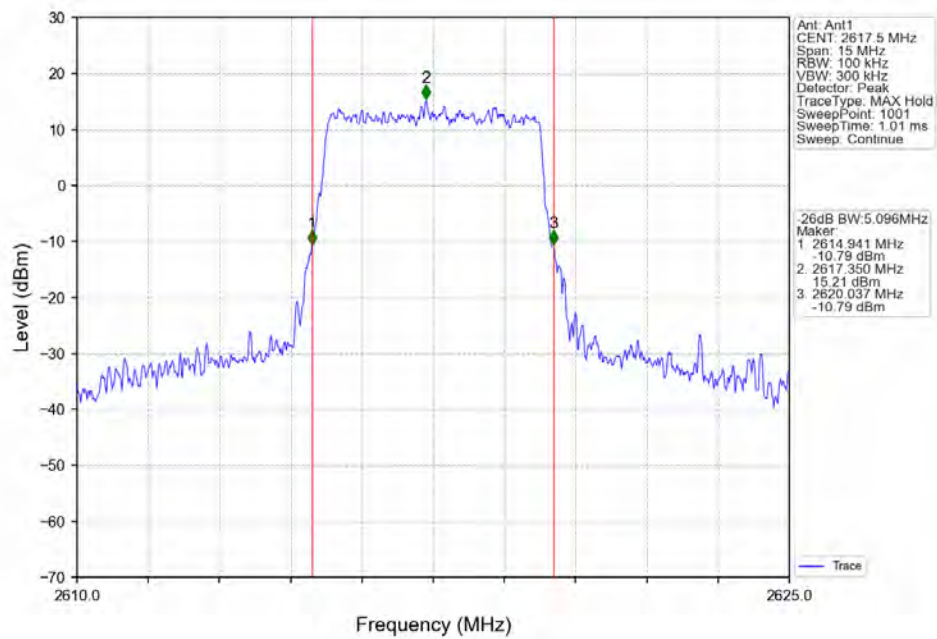
Band38 5MHz 256QAM LCH 2572.5MHz RB 25 0 NTN



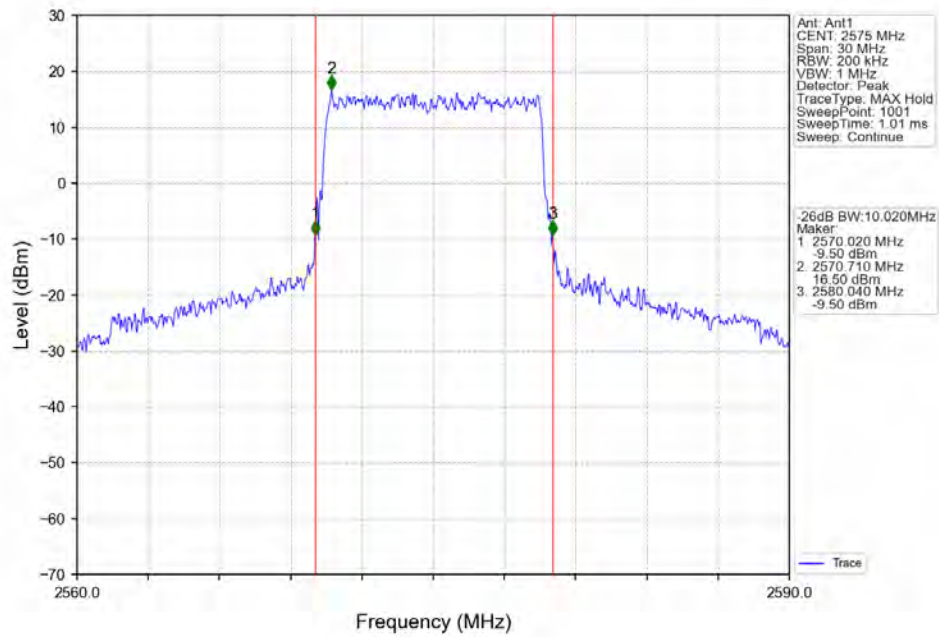
Band38 5MHz 256QAM MCH 2595MHz RB 25 0 NTNV



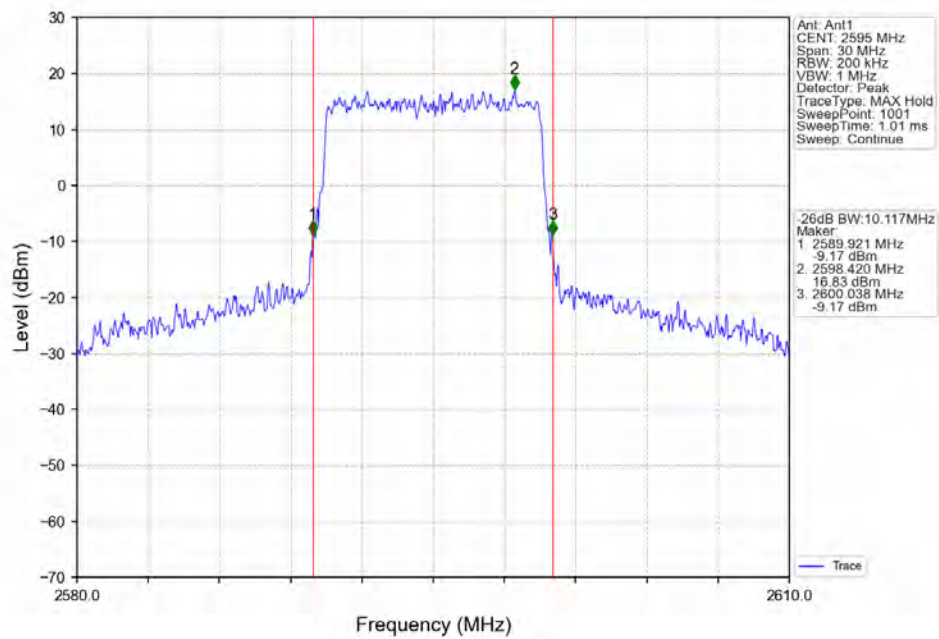
Band38_5MHz_256QAM_HCH_2617.5MHz_RB_25_0_NTNV



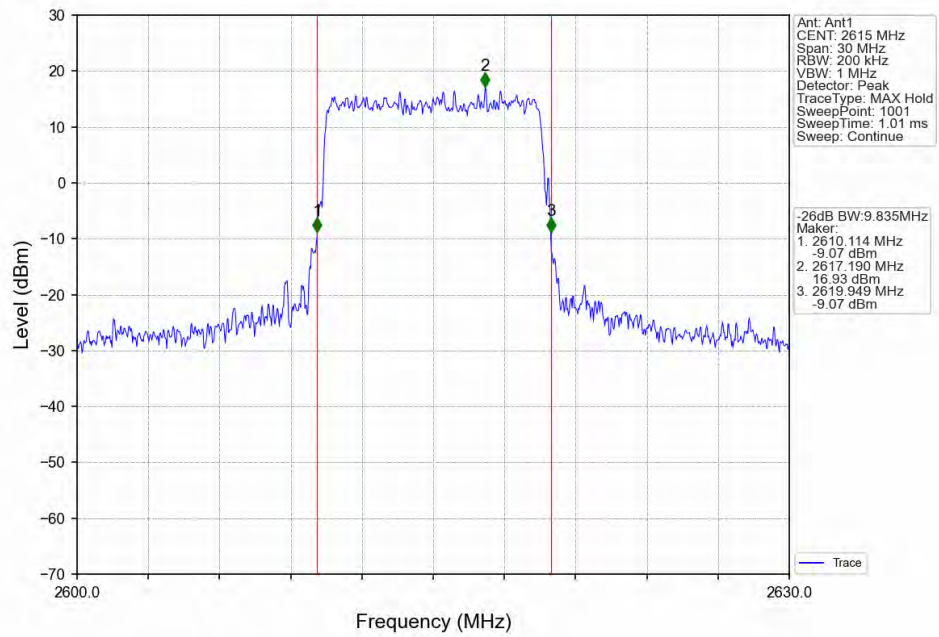
Band38_10MHz_QPSK_LCH_2575MHz_RB_50_0_NTNV



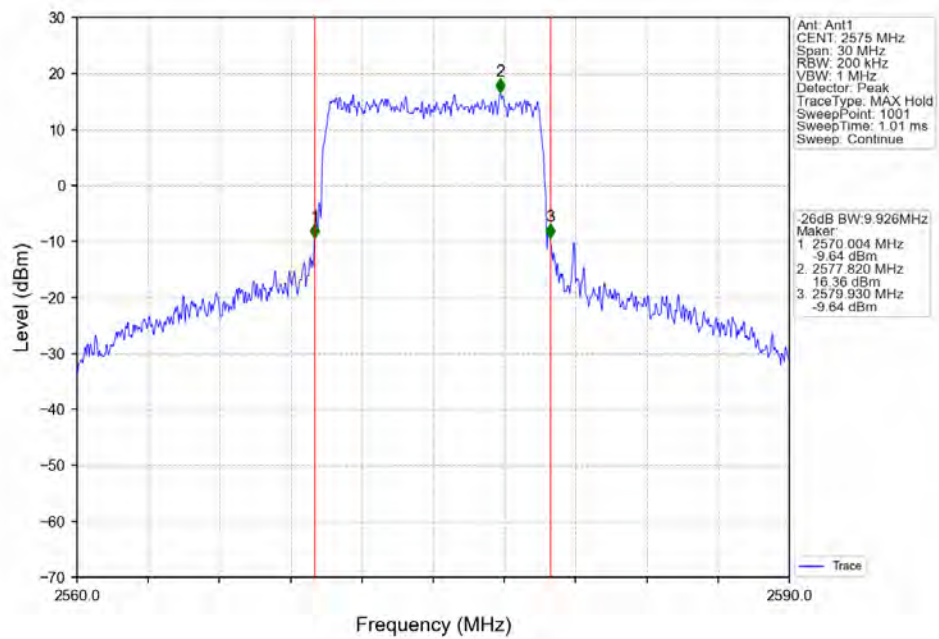
Band38_10MHz_QPSK_MCH_2595MHz_RB_50_0_NTNV



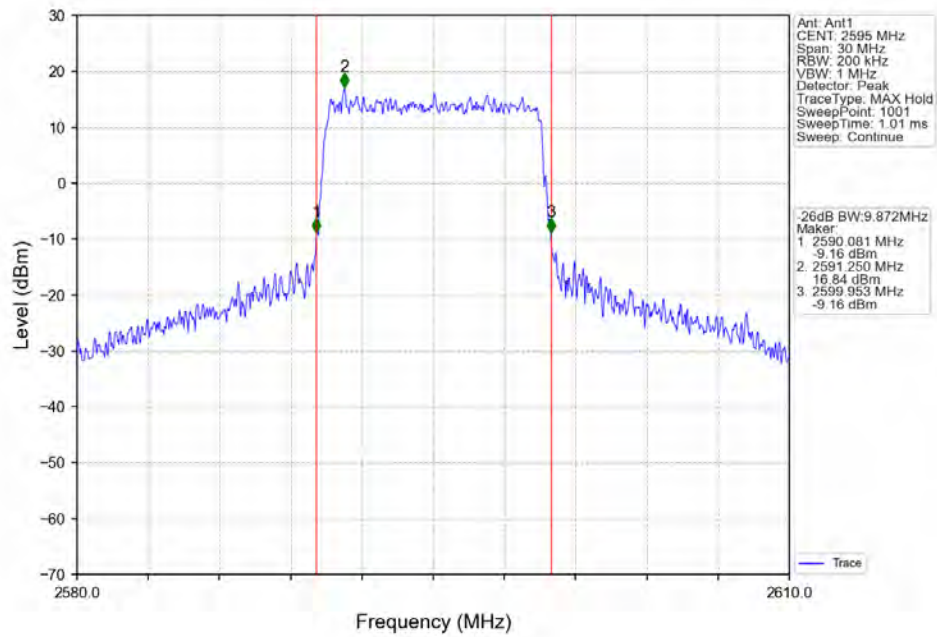
Band38_10MHz_QPSK_HCH_2615MHz_RB_50_0_NTNV



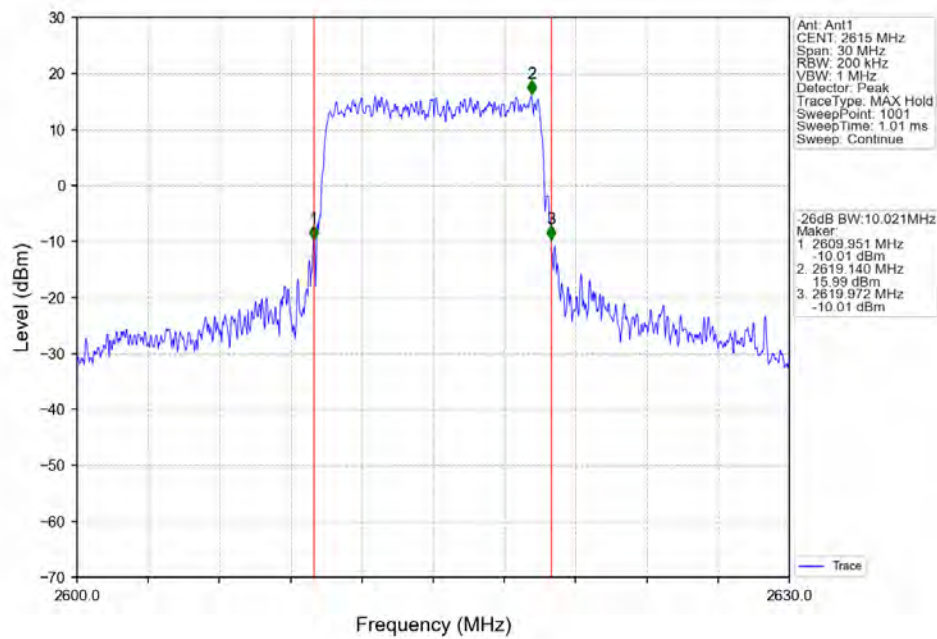
Band38_10MHz_16QAM_LCH_2575MHz_RB_50_0_NTNV



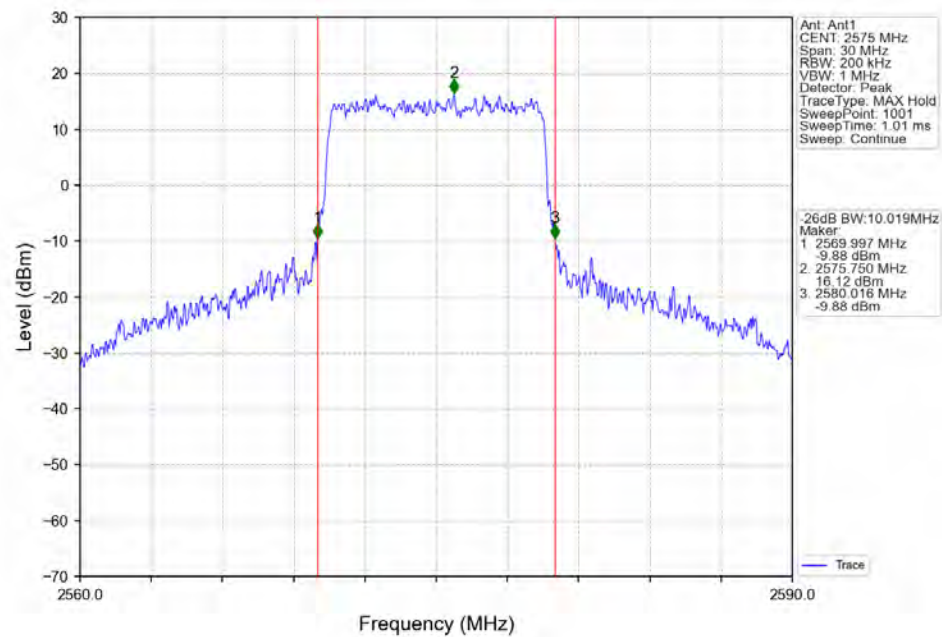
Band38 10MHz 16QAM MCH 2595MHz RB 50 0 NTN



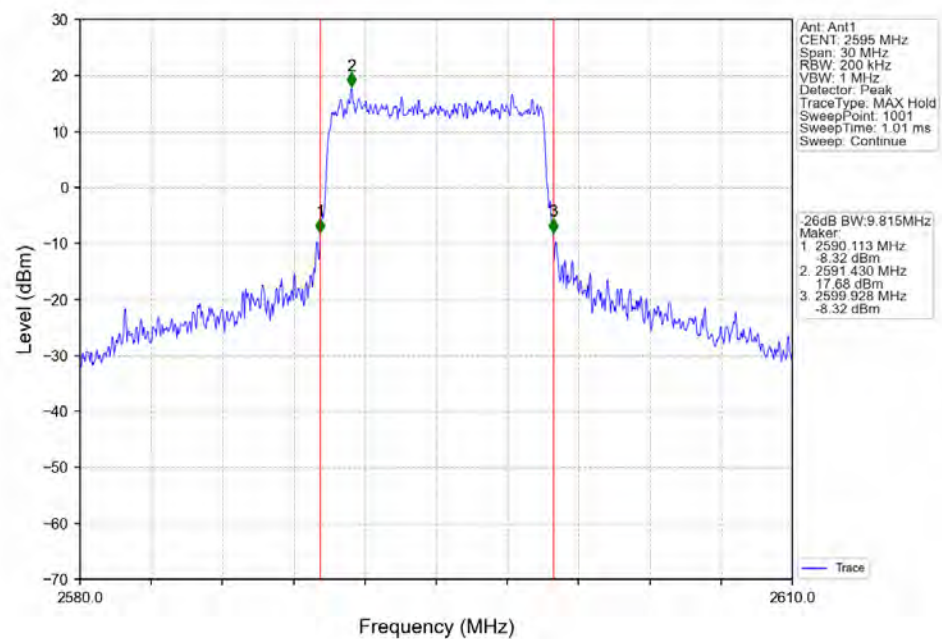
Band38 10MHz 16QAM HCH 2615MHz RB 50 0 NTN



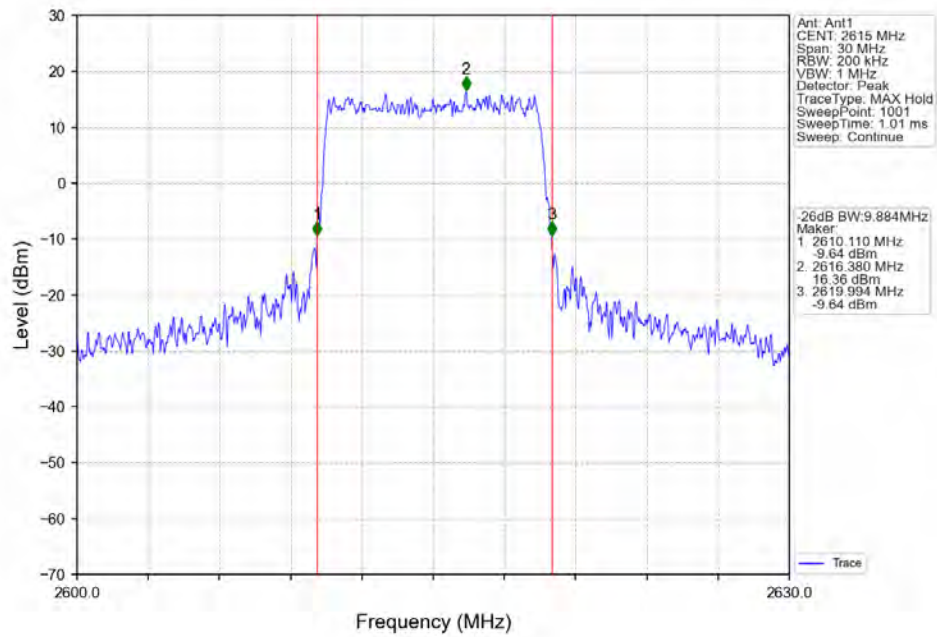
Band38 10MHz 64QAM LCH 2575MHz RB 50 0 NTNV



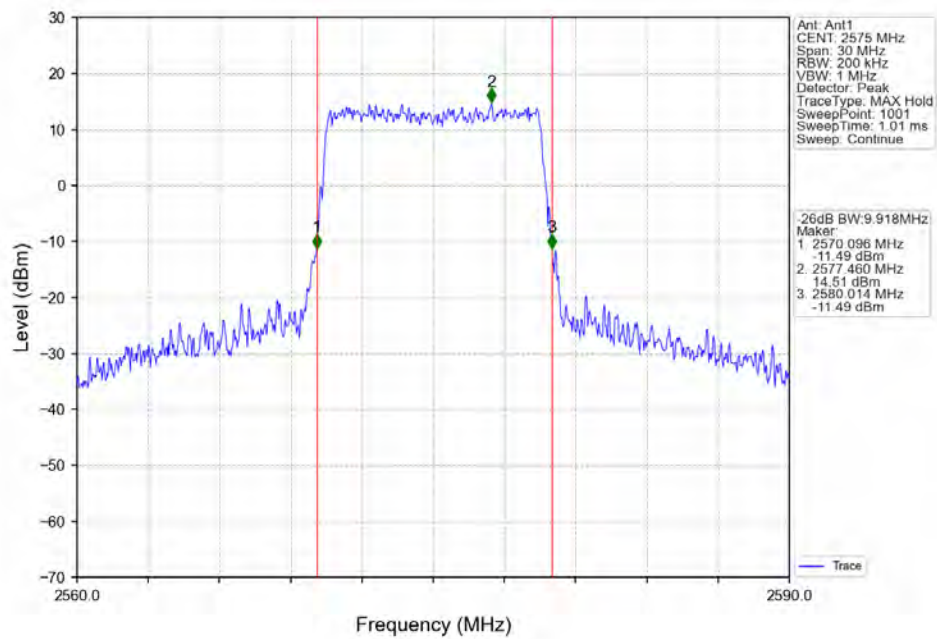
Band38 10MHz 64QAM MCH 2595MHz RB 50 0 NTNV



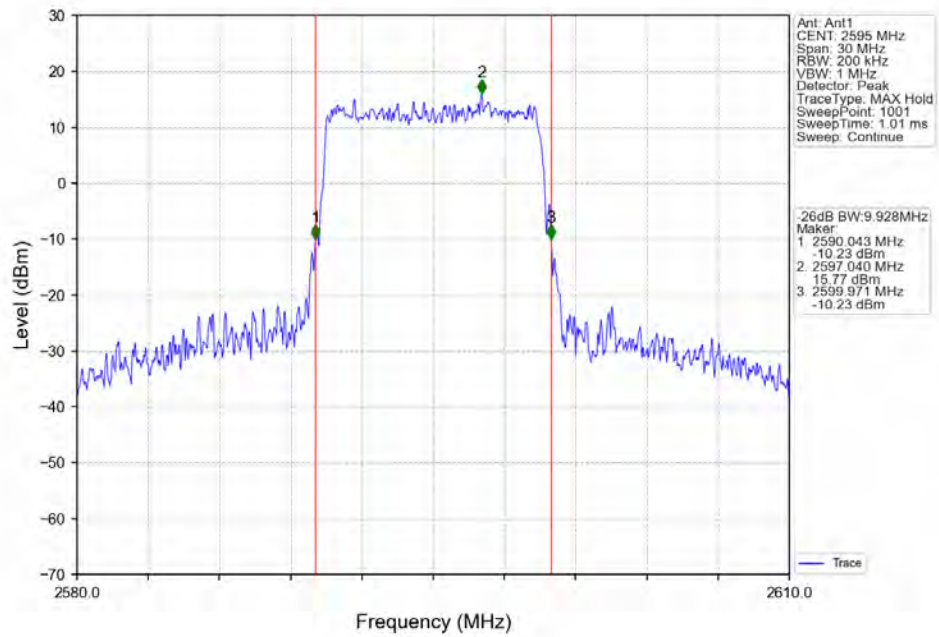
Band38 10MHz 64QAM HCH 2615MHz RB 50 0 NTN



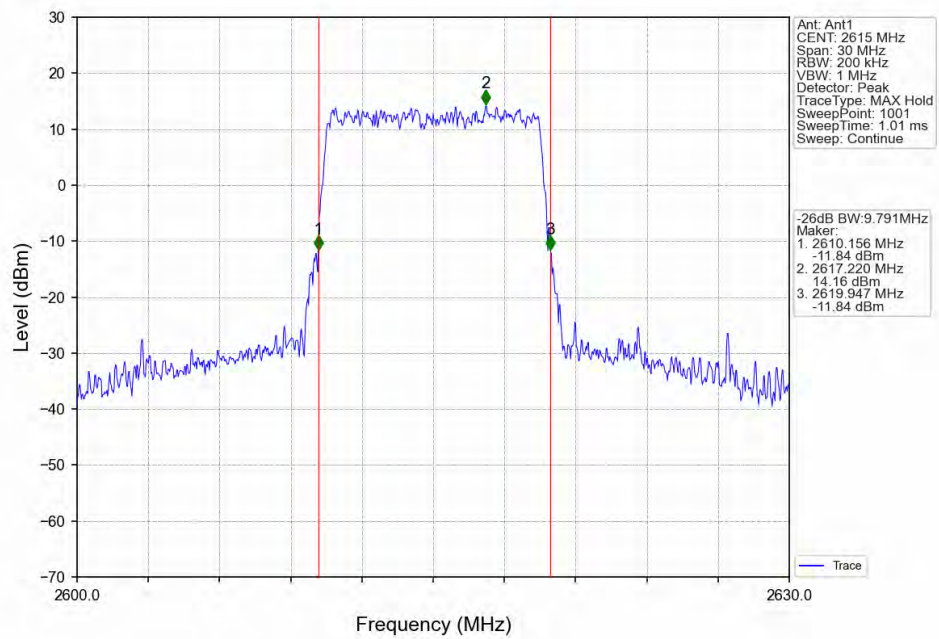
Band38_10MHz_256QAM_LCH_2575MHz_RB_50_0_NTN



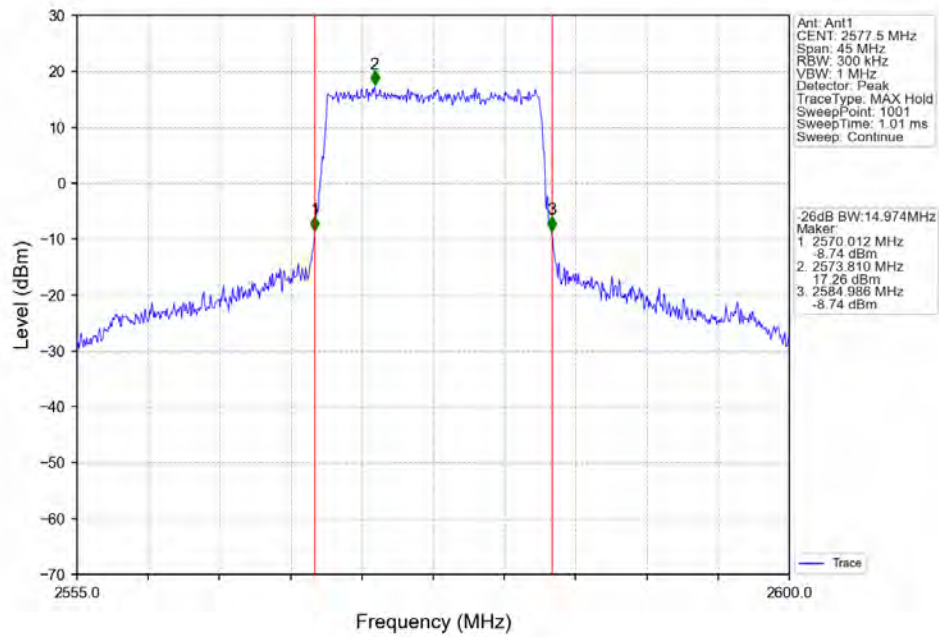
Band38_10MHz_256QAM_MCH_2595MHz_RB_50_0_NTNV



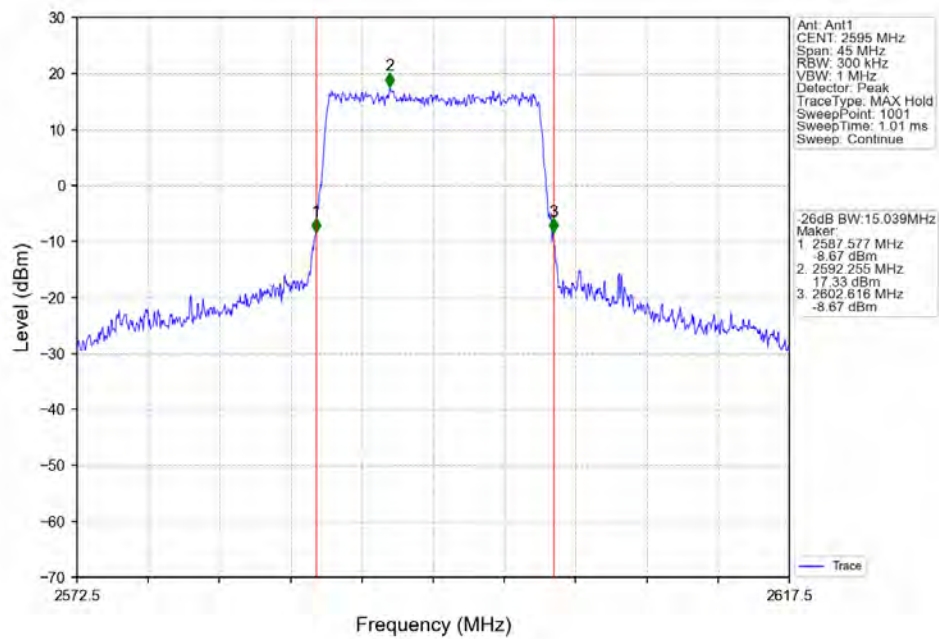
Band38_10MHz_256QAM_HCH_2615MHz_RB_50_0_NTNV



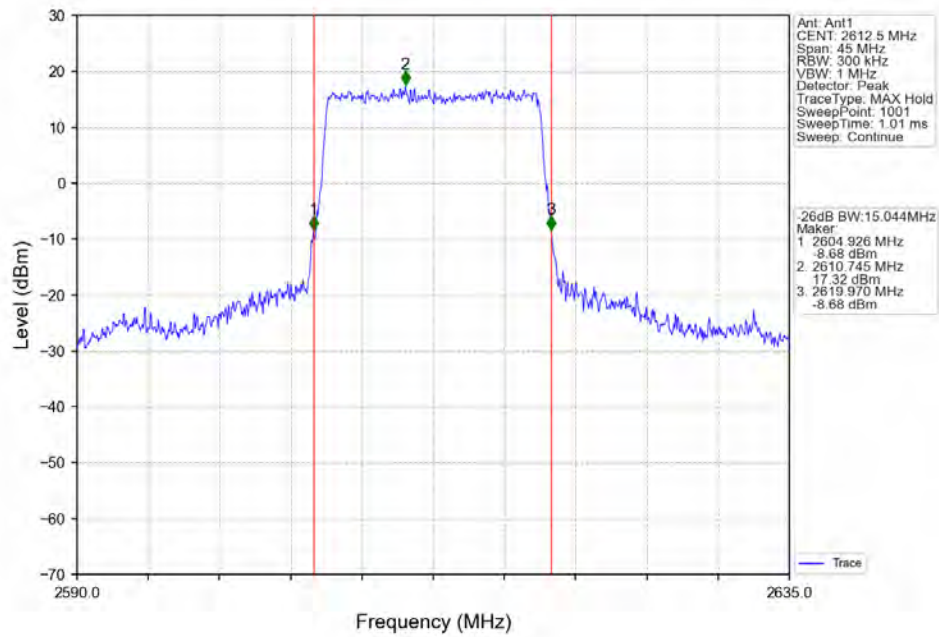
Band38 15MHz QPSK LCH 2577.5MHz RB 75 0 NTNV



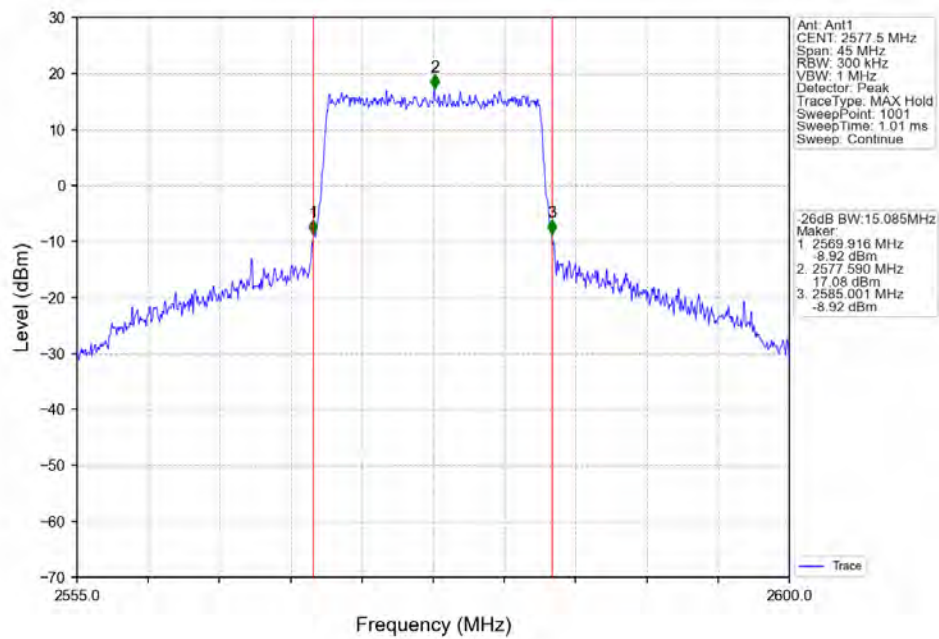
Band38_15MHz_QPSK_MCH_2595MHz_RB_75_0_NTNV



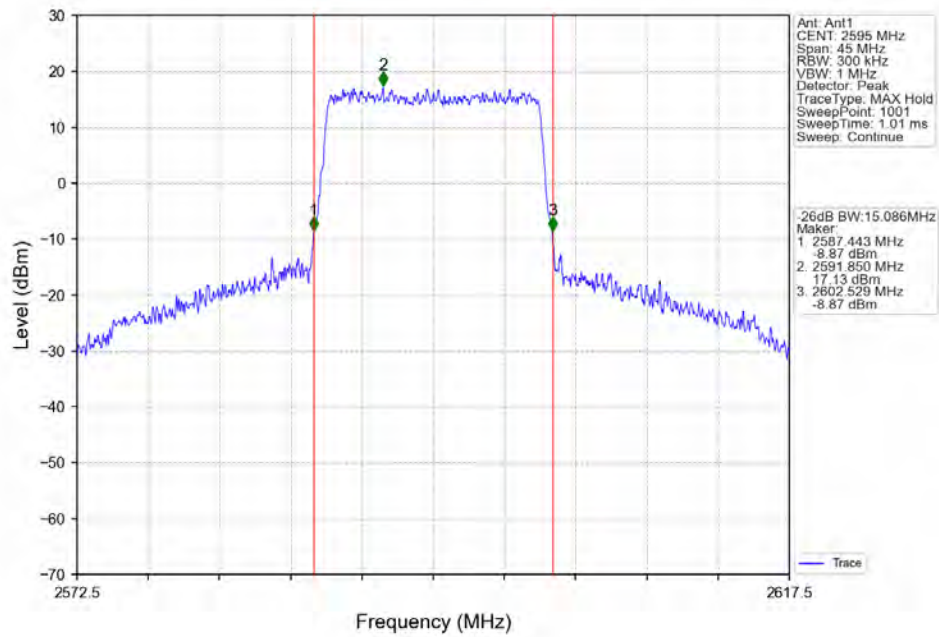
Band38 15MHz QPSK HCH 2612.5MHz RB 75 0 NTN



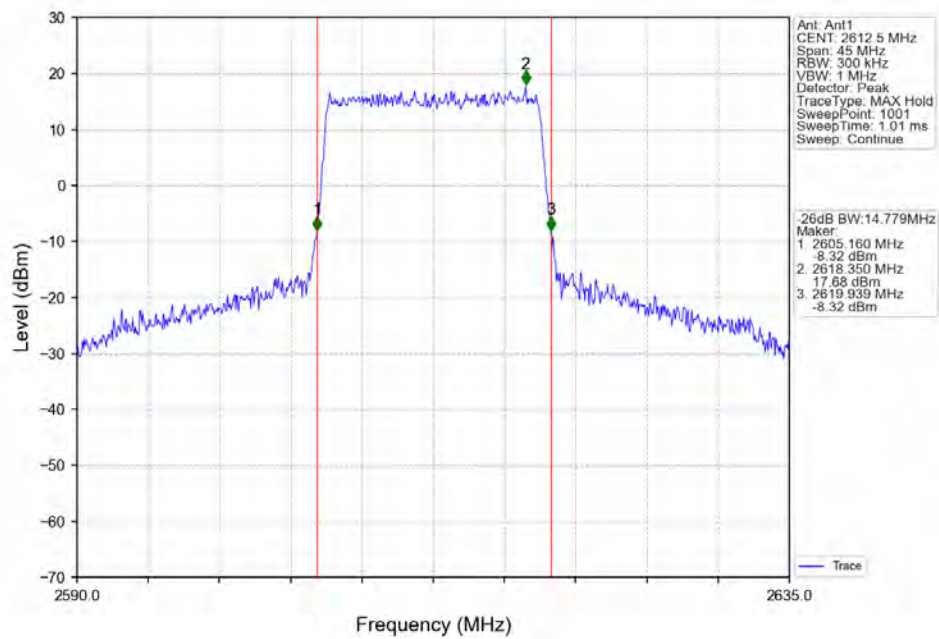
Band38 15MHz 16QAM LCH 2577.5MHz RB 75 0 NTN



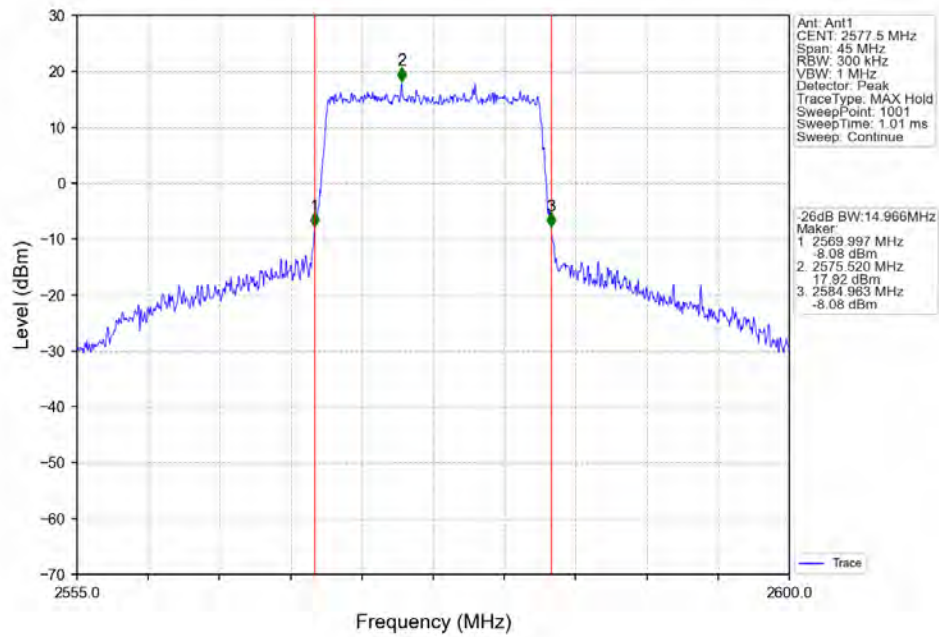
Band38 15MHz 16QAM MCH 2595MHz RB 75 0 NTNV



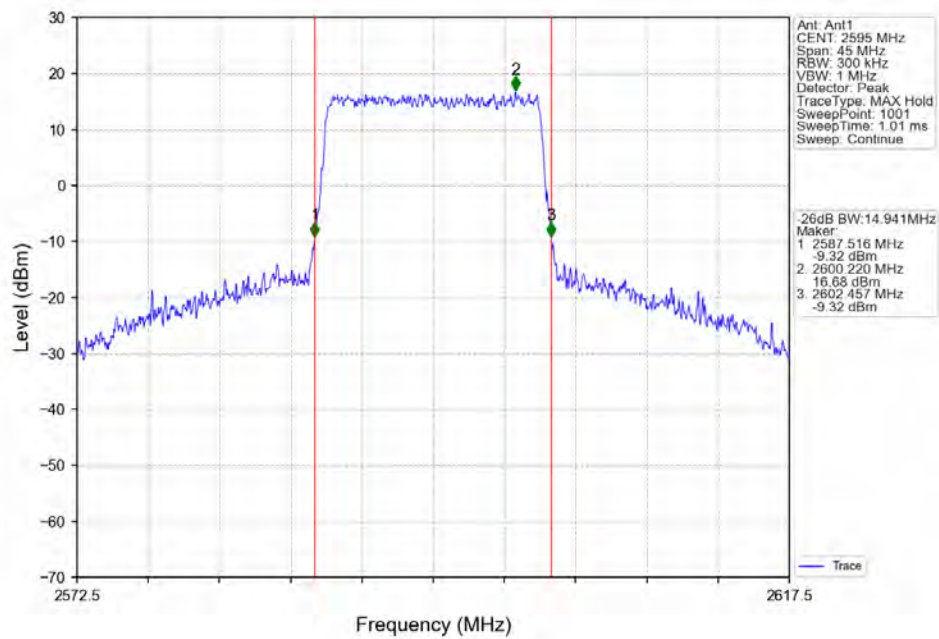
Band38_15MHz_16QAM_HCH_2612.5MHz_RB_75_0_NTNV



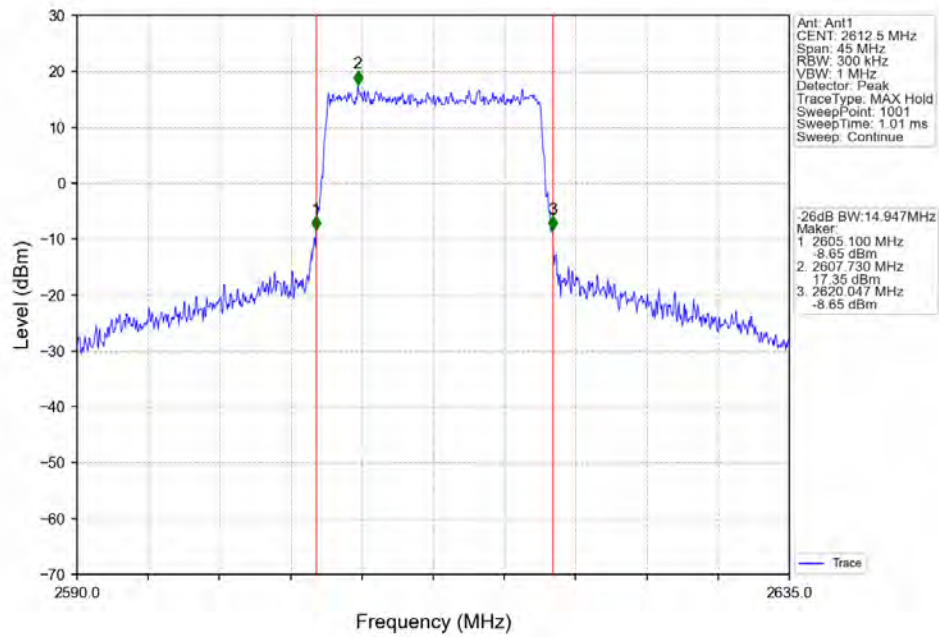
Band38_15MHz_64QAM_LCH_2577.5MHz_RB_75_0_NTNV



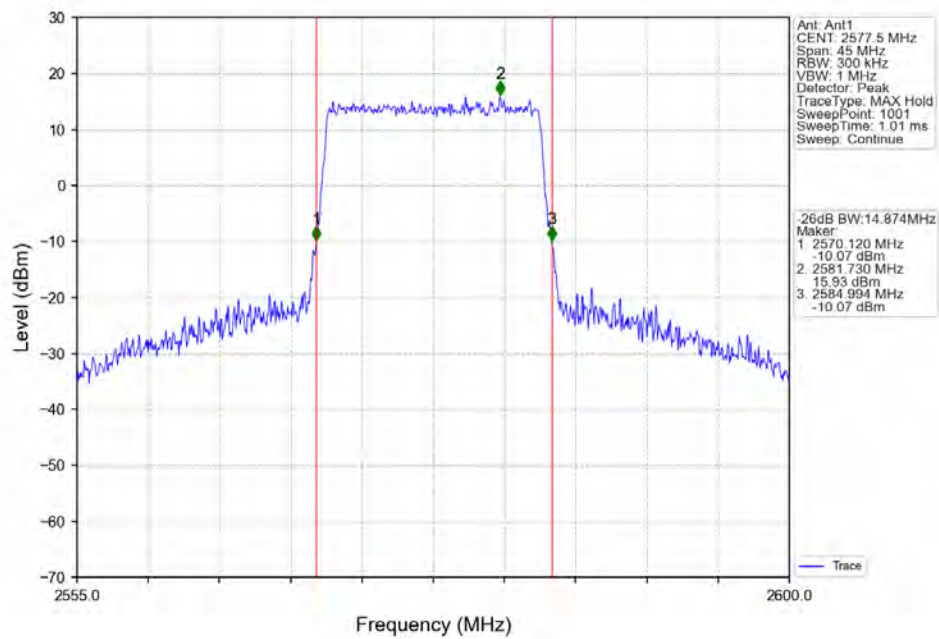
Band38_15MHz_64QAM_MCH_2595MHz_RB_75_0_NTNV



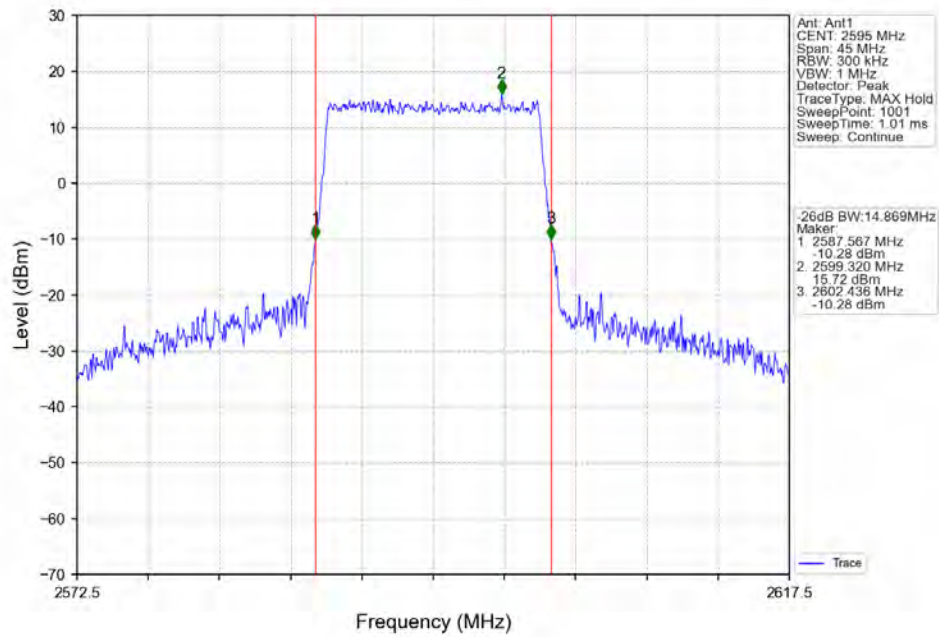
Band38_15MHz_64QAM_HCH_2612.5MHz_RB_75_0_NTNV



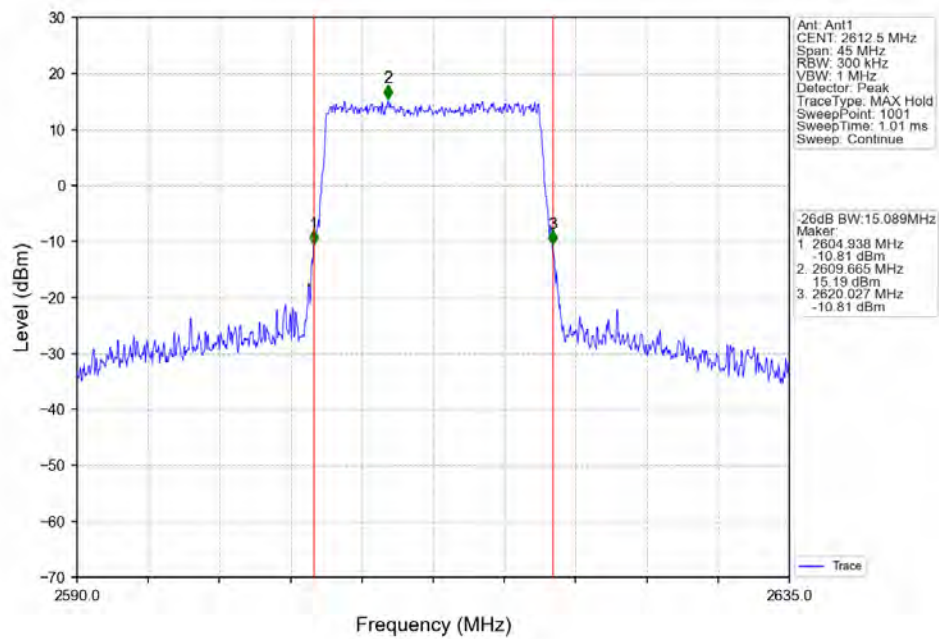
Band38_15MHz_256QAM_LCH_2577.5MHz_RB_75_0_NTNV



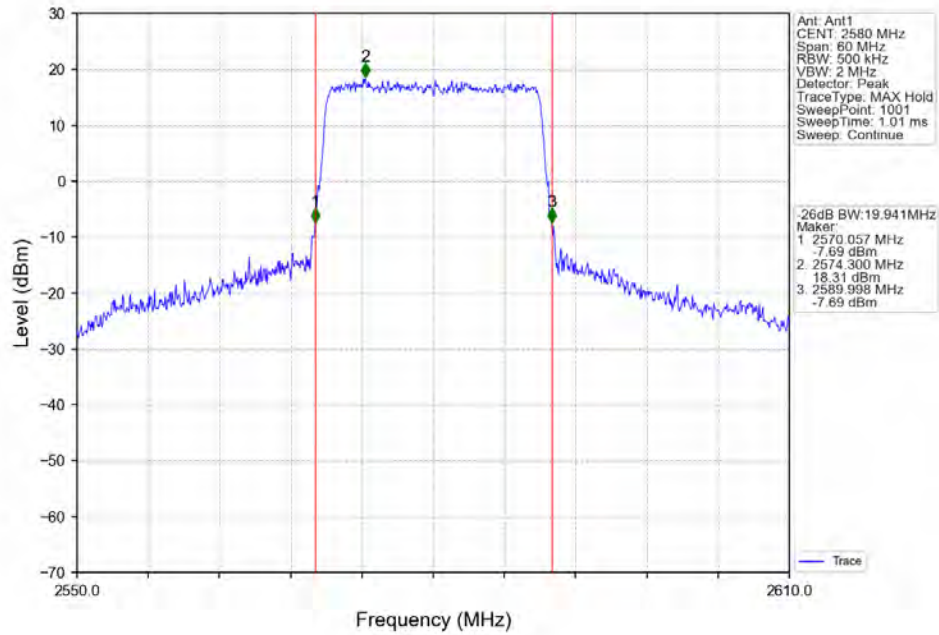
Band38_15MHz_256QAM_MCH_2595MHz_RB_75_0_NTNV



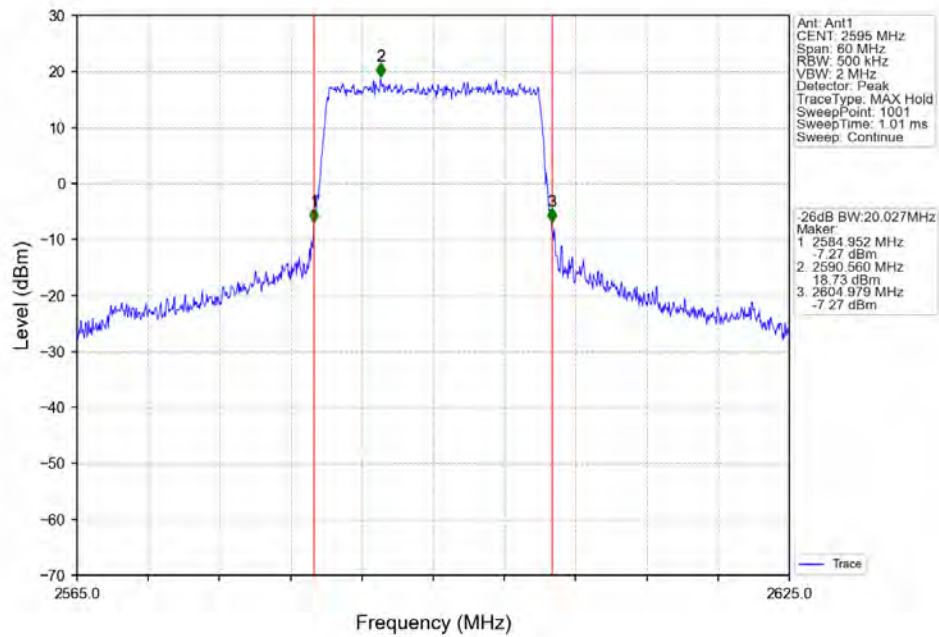
Band38_15MHz_256QAM_HCH_2612.5MHz_RB_75_0_NTNV



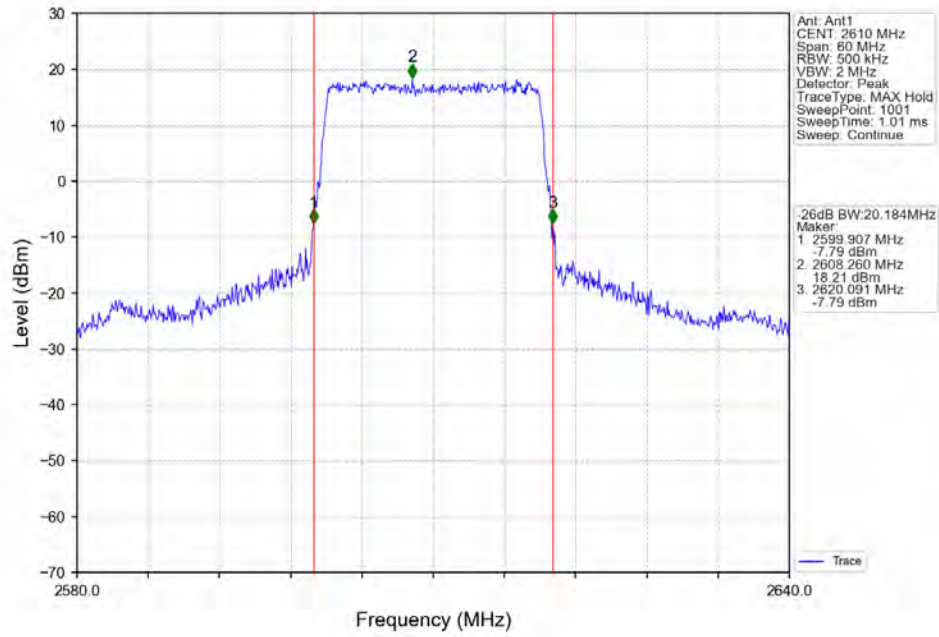
Band38 20MHz QPSK LCH 2580MHz RB 100 0 NTNV



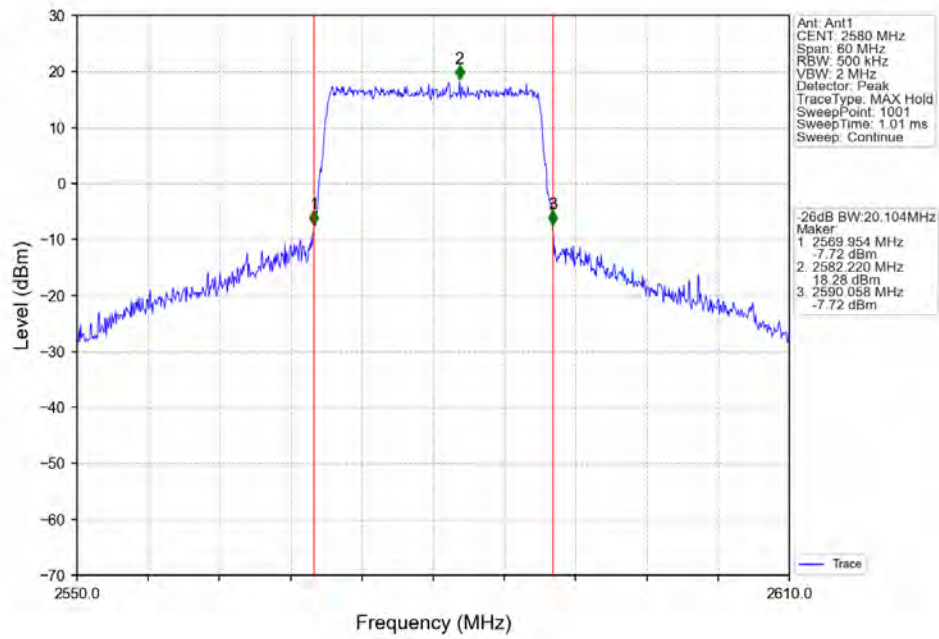
Band38 20MHz QPSK MCH 2595MHz RB 100 0 NTNV



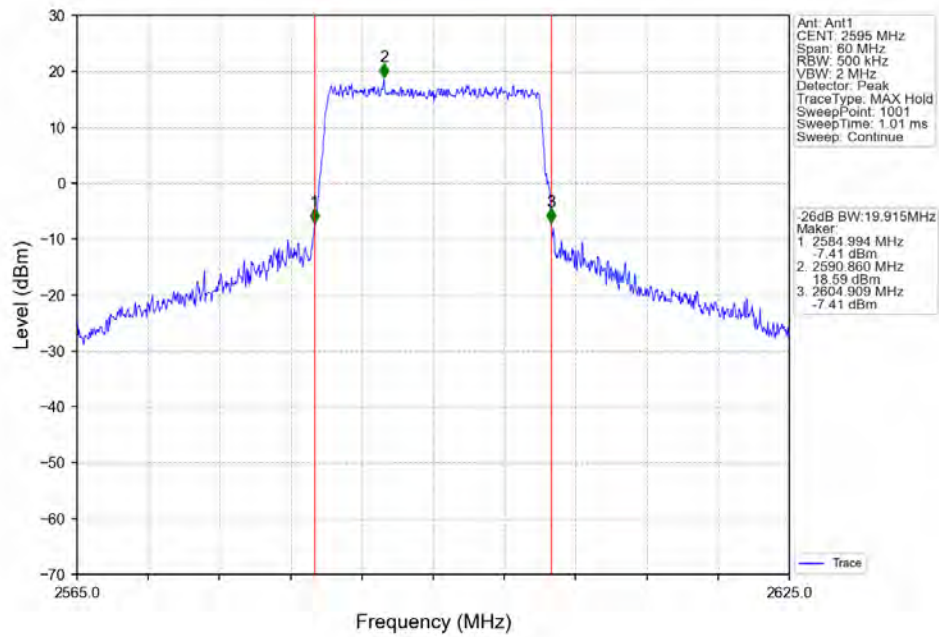
Band38 20MHz QPSK HCH 2610MHz RB 100 0 NTN



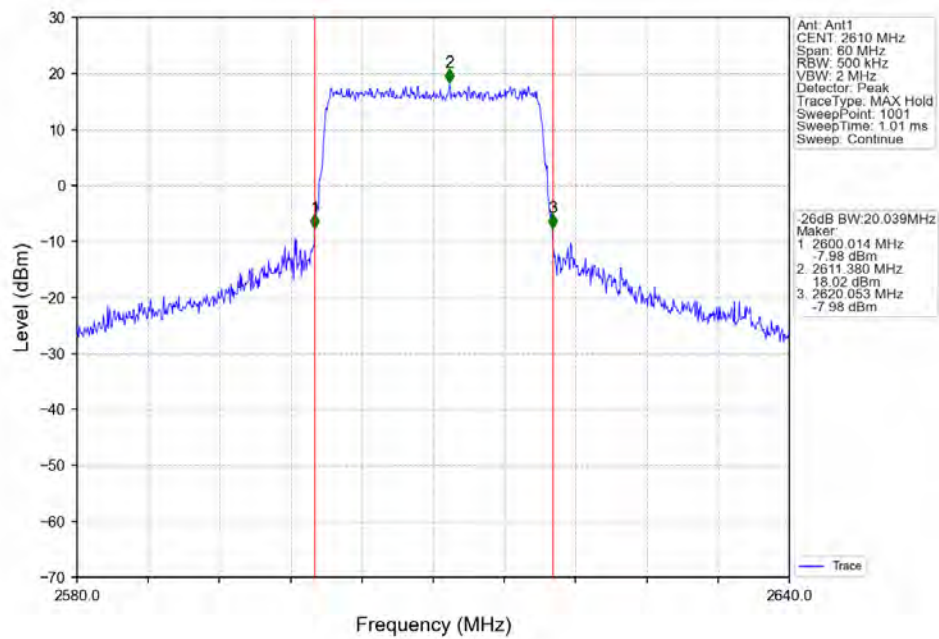
Band38_20MHz_16QAM_LCH_2580MHz_RB_100_0 NTN



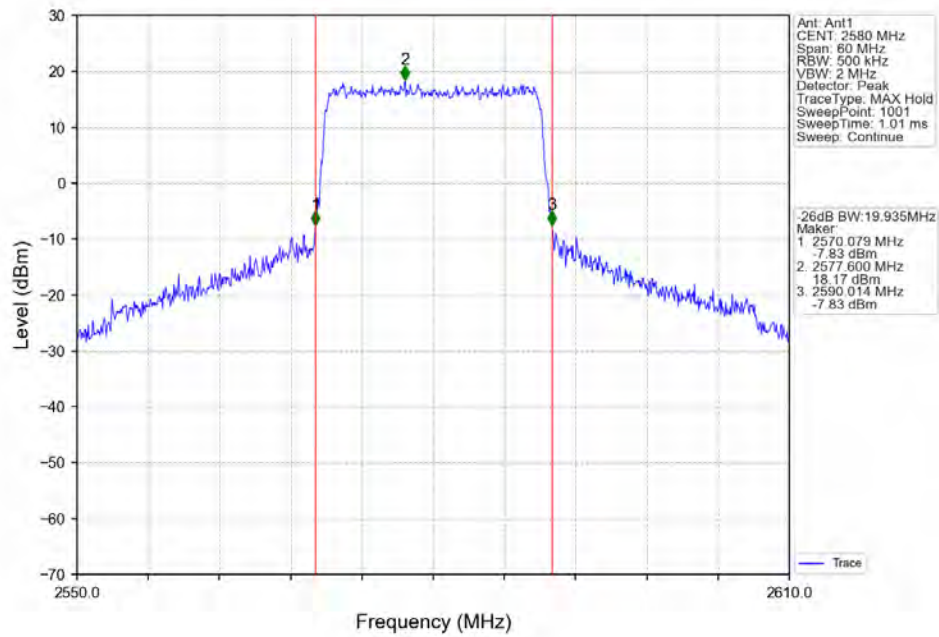
Band38_20MHz_16QAM_MCH_2595MHz_RB_100_0_NTNV



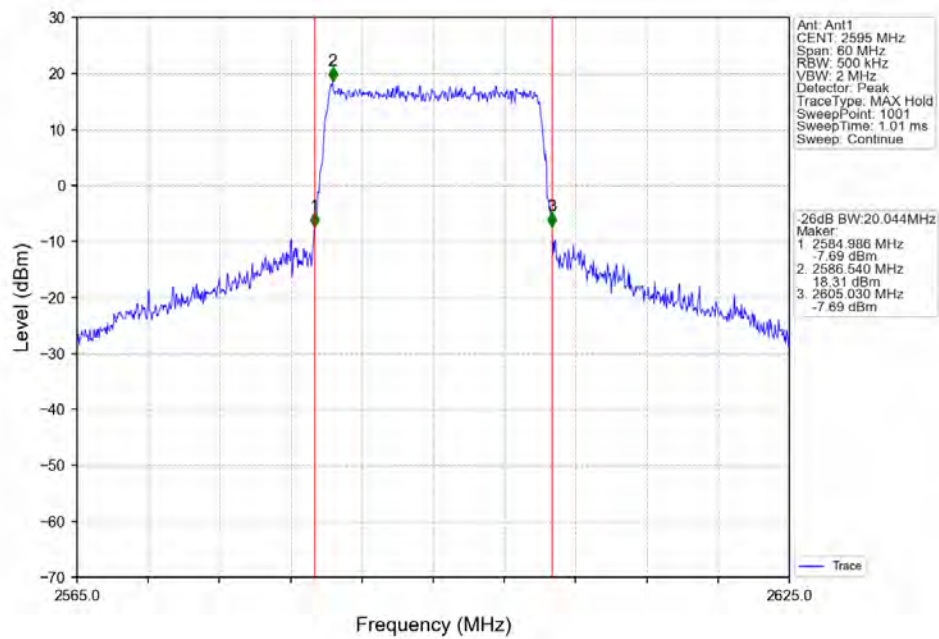
Band38_20MHz_16QAM_HCH_2610MHz_RB_100_0_NTNV



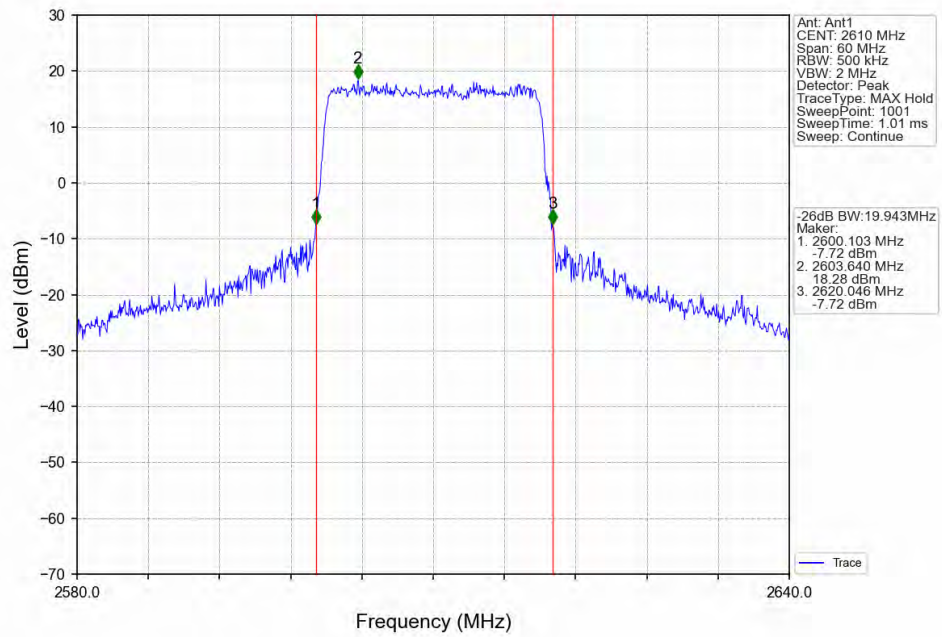
Band38 20MHz 64QAM LCH 2580MHz RB 100 0 NTN



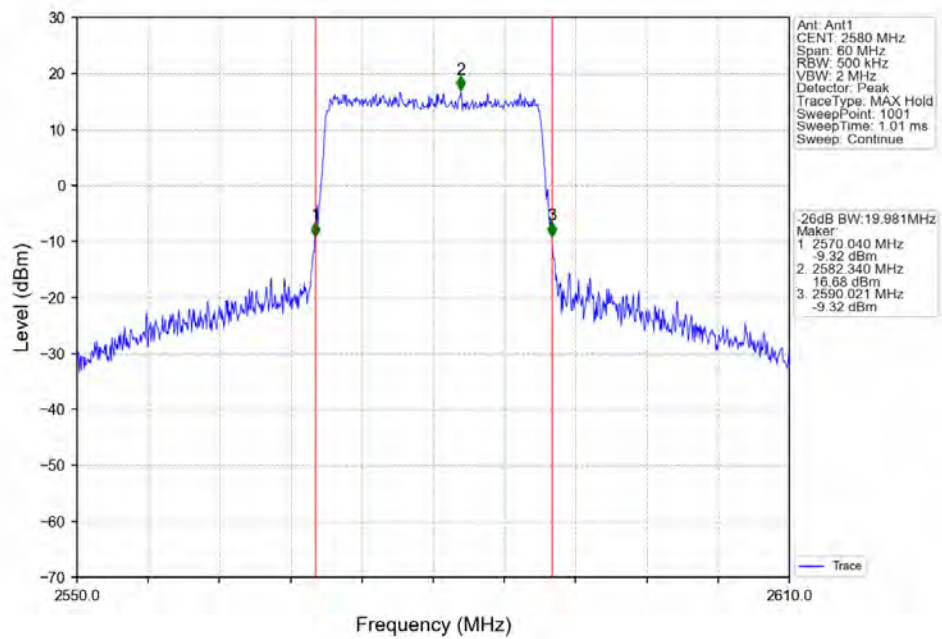
Band38 20MHz 64QAM MCH 2595MHz RB 100 0 NTN



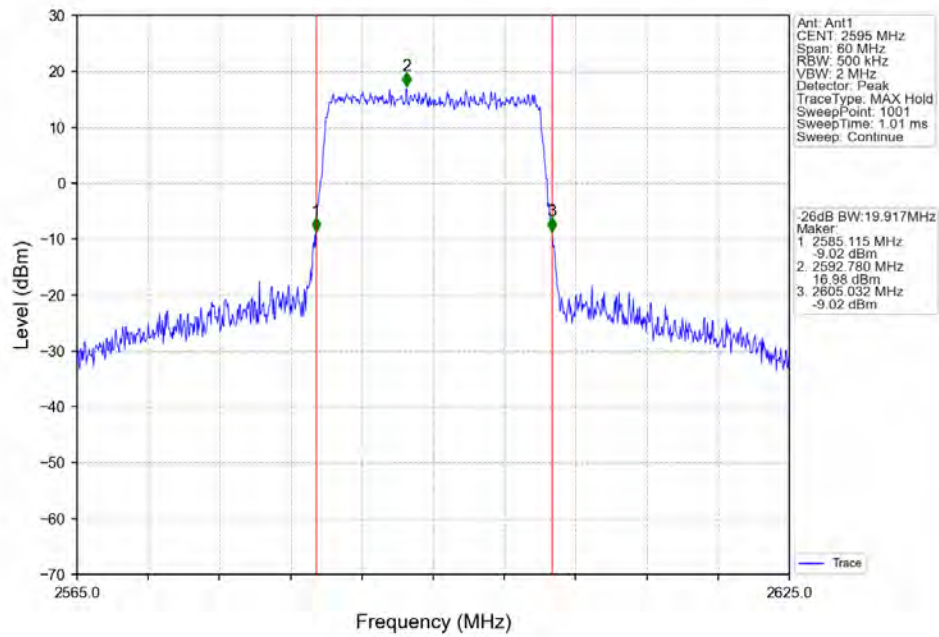
Band38 20MHz 64QAM HCH 2610MHz RB 100 0 NTNV



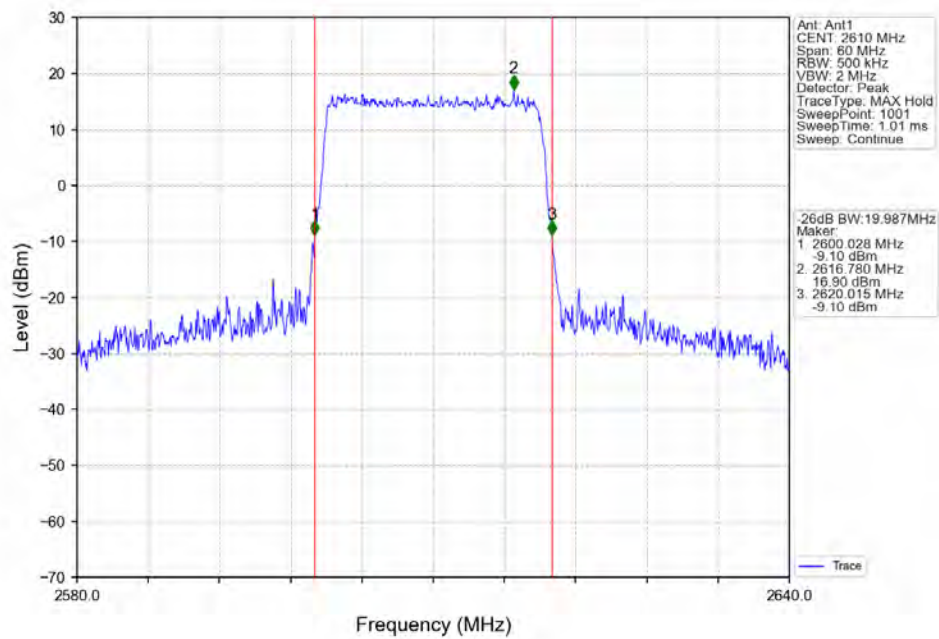
Band38 20MHz 256QAM LCH 2580MHz RB 100 0 NTNV



Band38 20MHz 256QAM MCH 2595MHz RB 100 0 NTN



Band38 20MHz 256QAM HCH 2610MHz RB 100 0 NTN



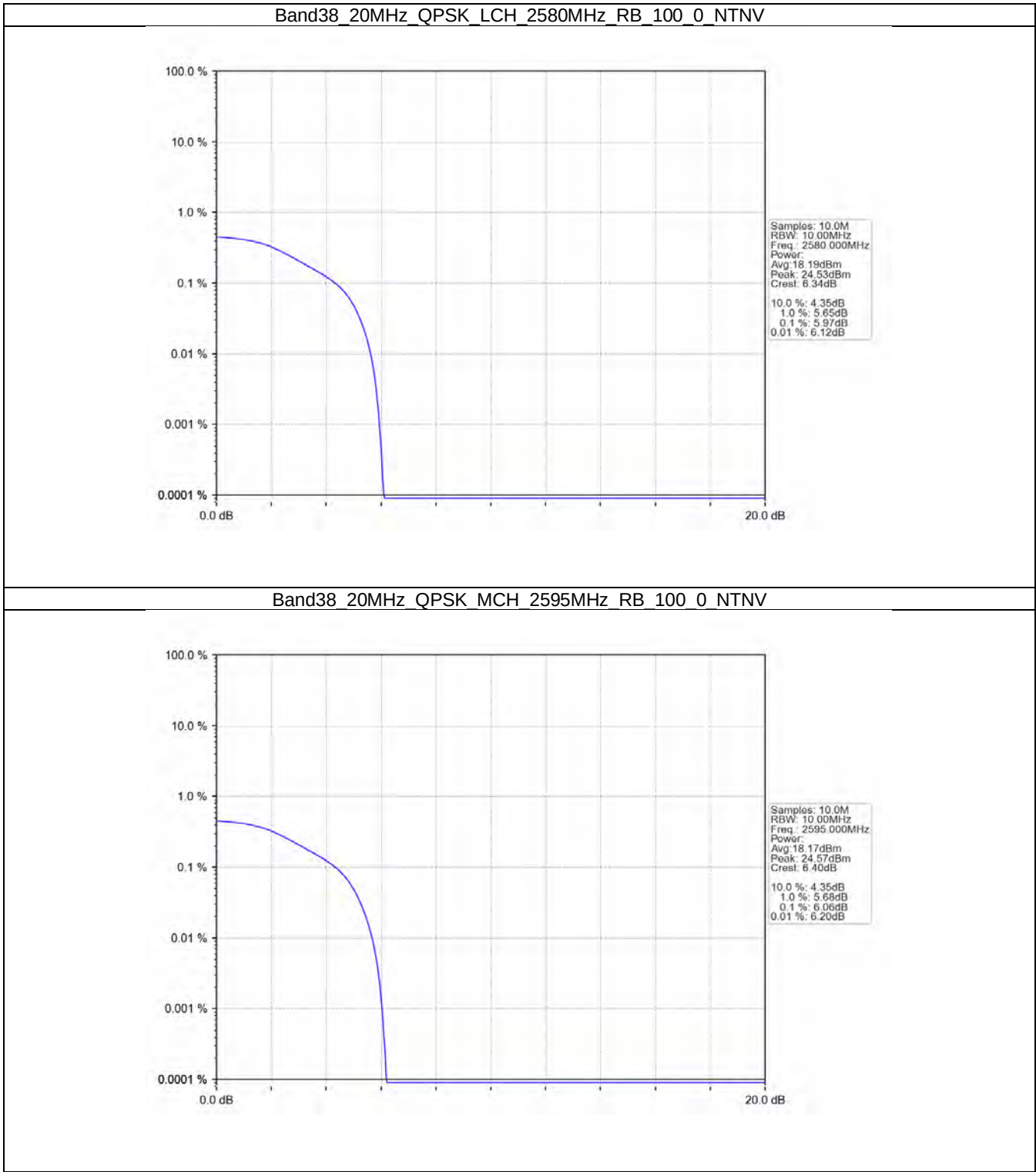
4. Peak-Average Ratio

4.1 B38_20MHz

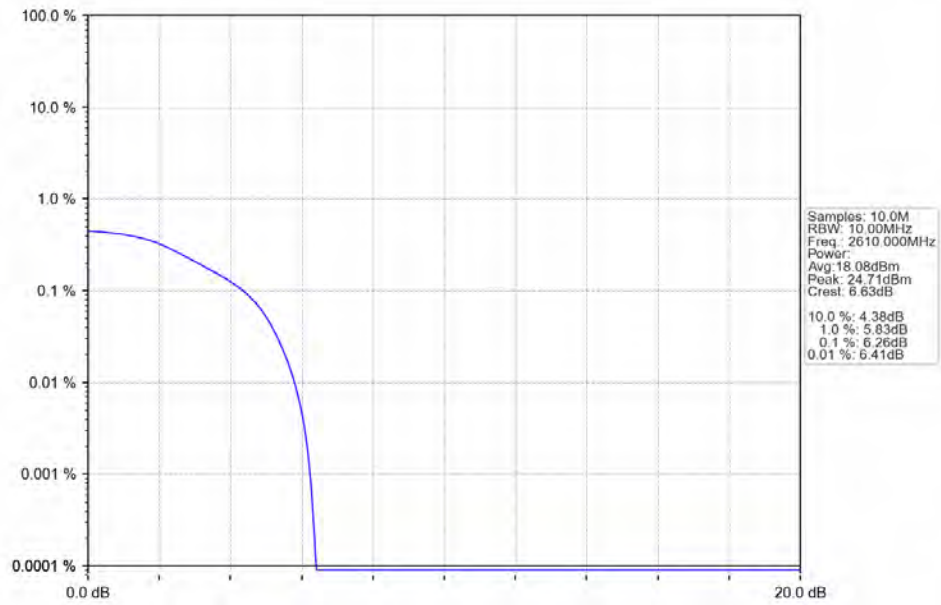
4.1.1 Test Result

Band: 38 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2580	100	0	5.97	<=13	Pass
	2595	100	0	6.06	<=13	Pass
	2610	100	0	6.26	<=13	Pass
16QAM	2580	100	0	7.57	<=13	Pass
	2595	100	0	7.65	<=13	Pass
	2610	100	0	7.83	<=13	Pass
64QAM	2580	100	0	8.12	<=13	Pass
	2595	100	0	8.17	<=13	Pass
	2610	100	0	8.23	<=13	Pass
256QAM	2580	100	0	8.17	<=13	Pass
	2595	100	0	8.26	<=13	Pass
	2610	100	0	8.35	<=13	Pass

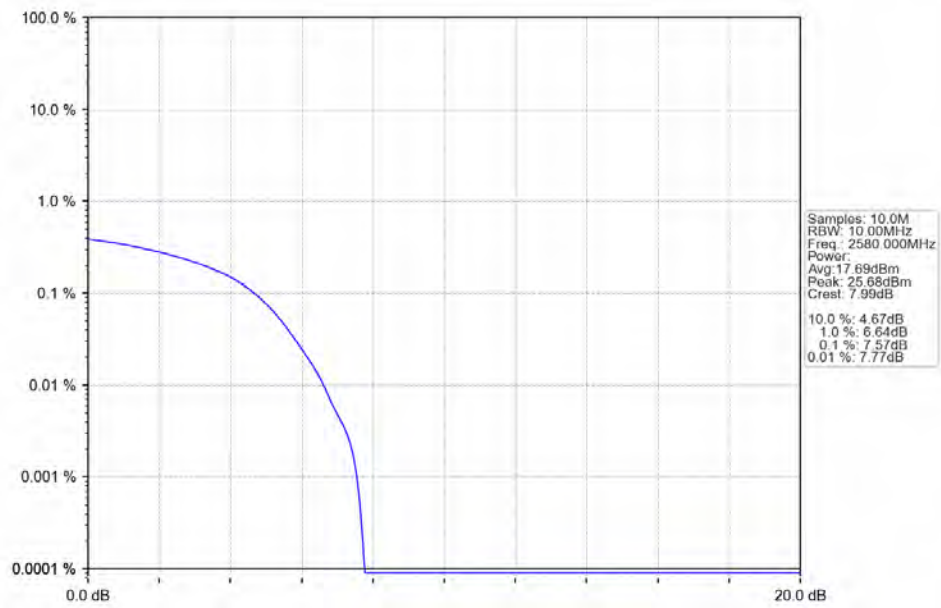
4.1.2 Test Graph



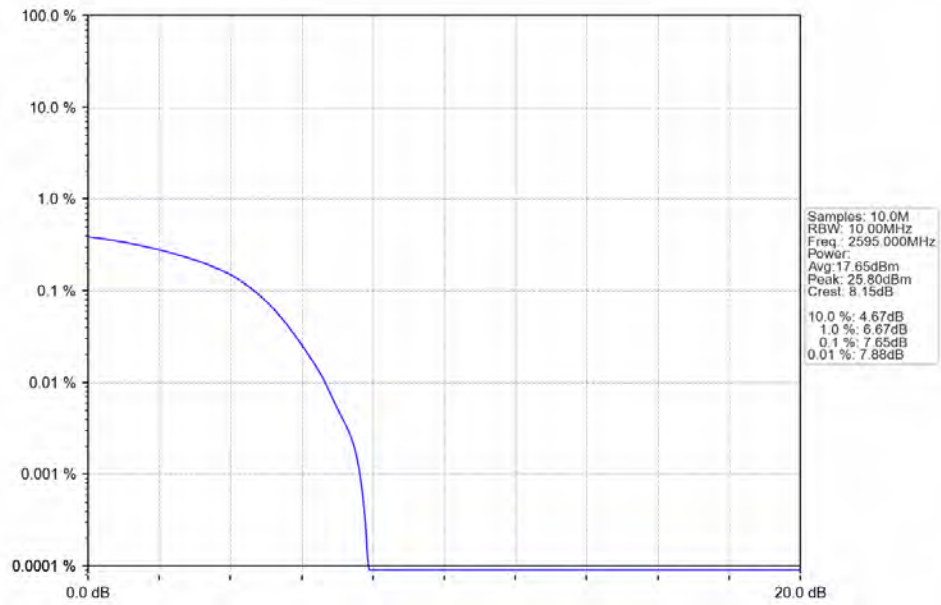
Band38 20MHz QPSK HCH 2610MHz RB 100 0 NTNV



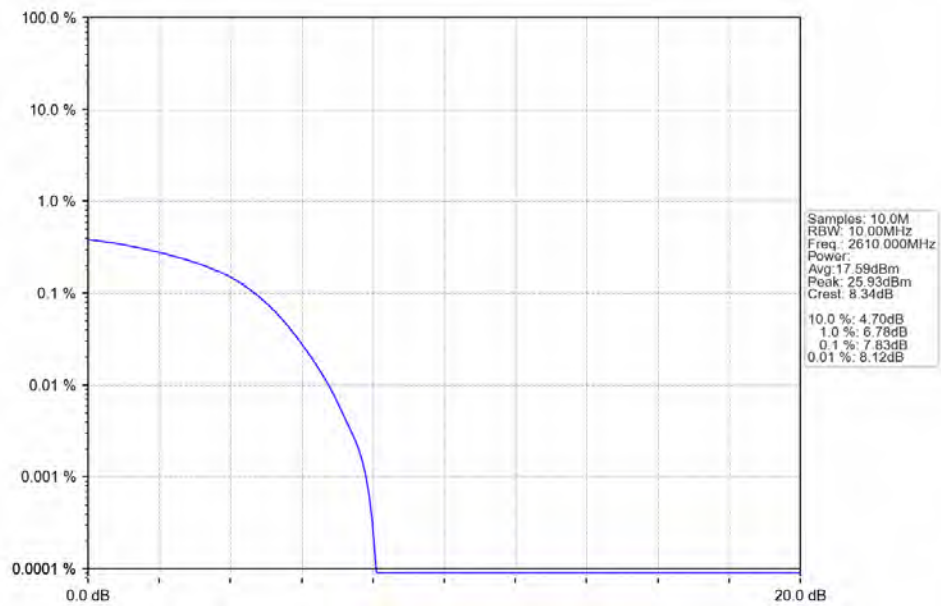
Band38_20MHz_16QAM_LCH_2580MHz_RB_100_0_NTNV



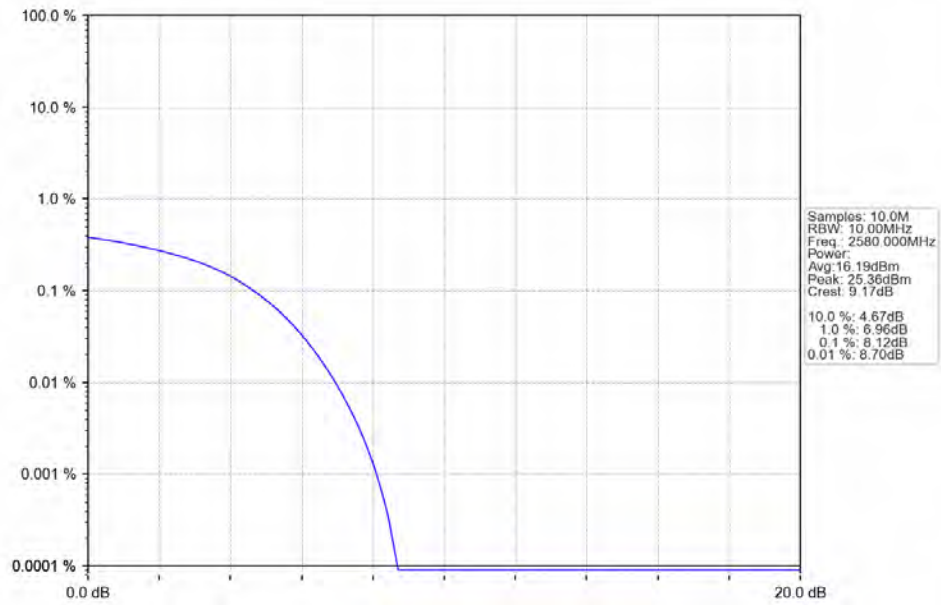
Band38_20MHz_16QAM_MCH_2595MHz_RB_100_0_NTNV



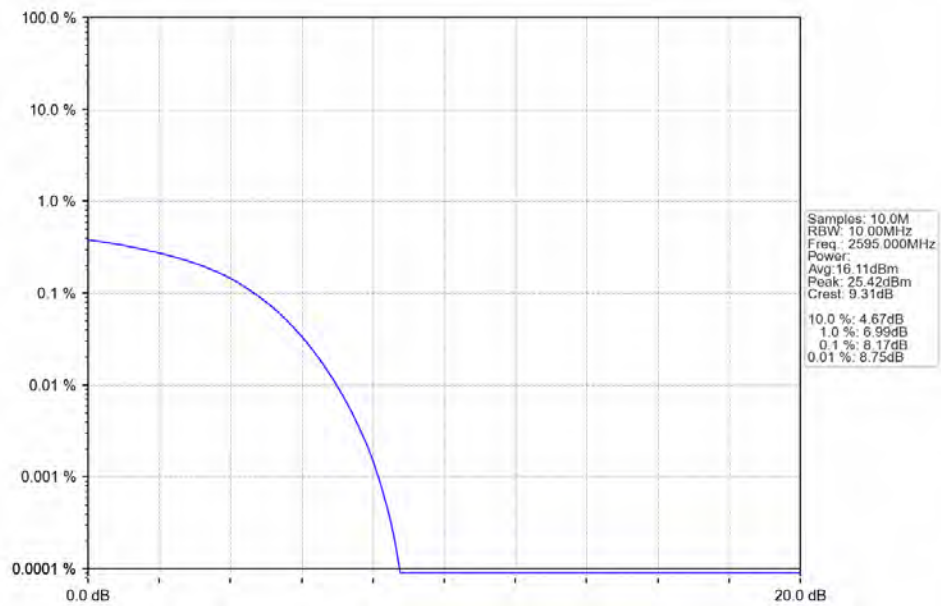
Band38_20MHz_16QAM_HCH_2610MHz_RB_100_0_NTNV



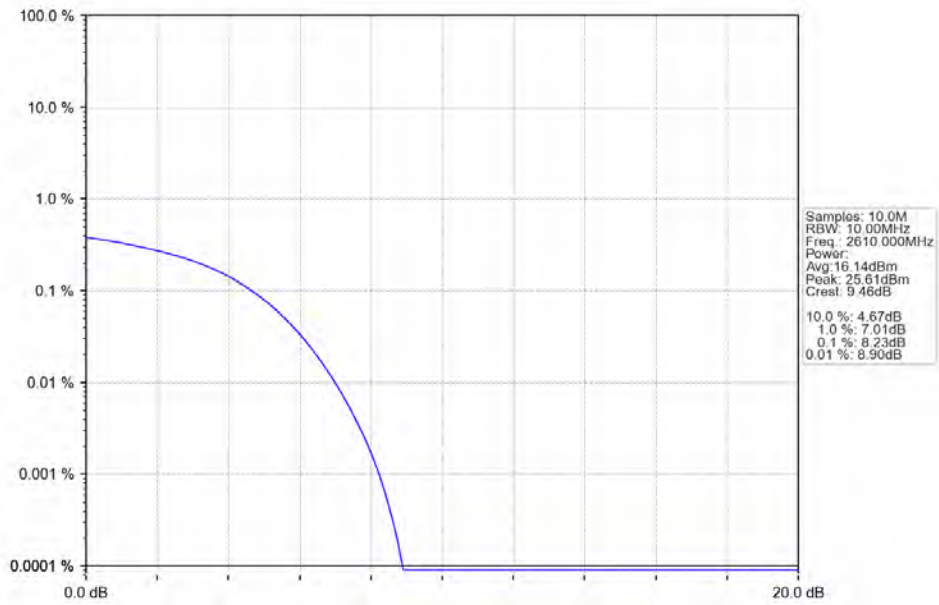
Band38 20MHz 64QAM LCH 2580MHz RB 100 0 NTNV



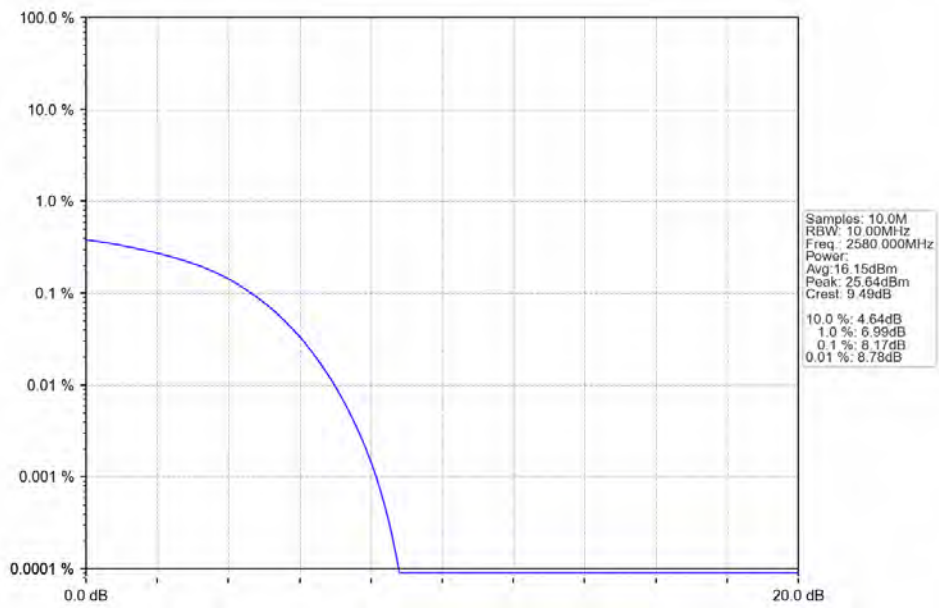
Band38 20MHz 64QAM MCH 2595MHz RB 100 0 NTNV



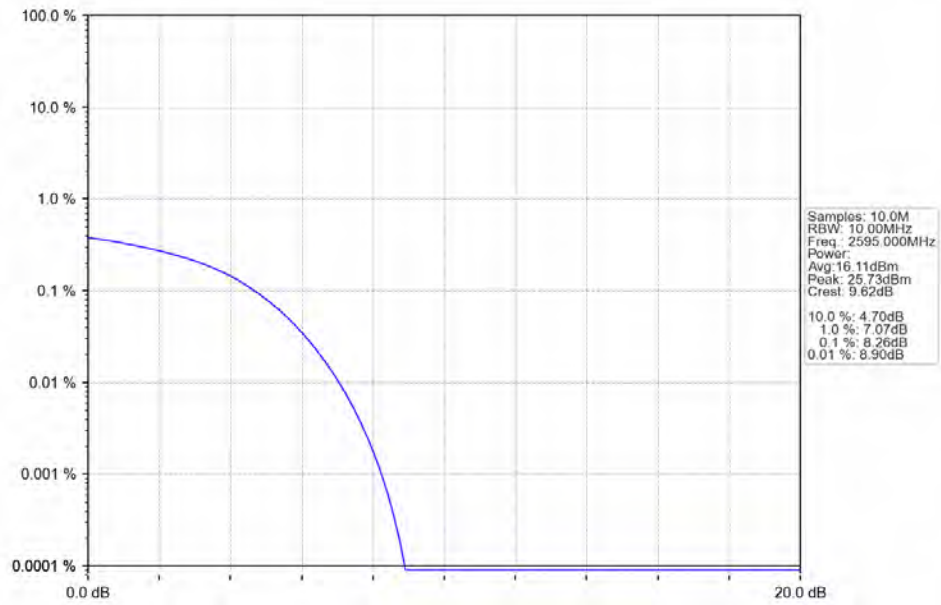
Band38 20MHz 64QAM HCH 2610MHz RB 100 0 NTNV



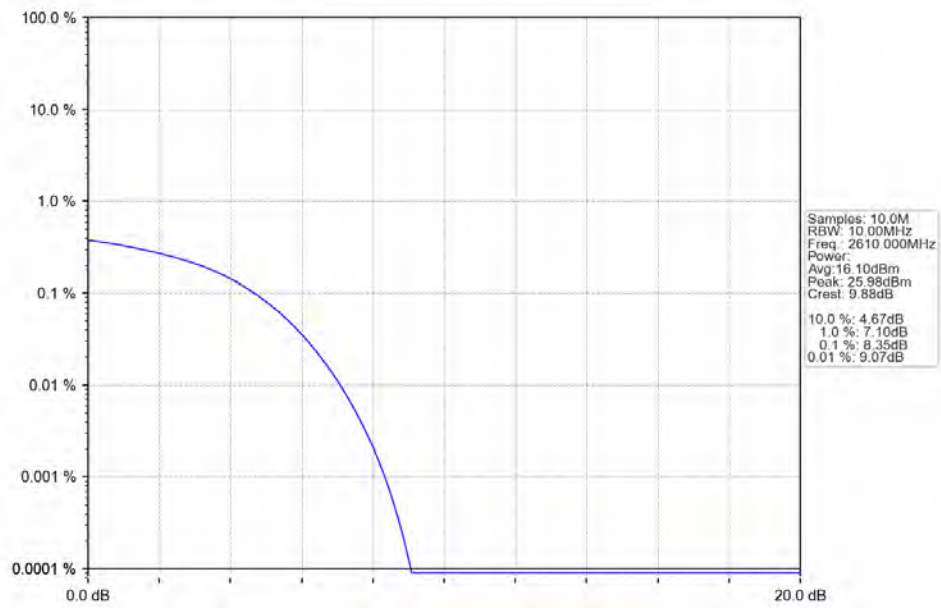
Band38 20MHz 256QAM LCH 2580MHz RB 100 0 NTNV



Band38 20MHz 256QAM MCH 2595MHz RB 100 0 NTN



Band38 20MHz 256QAM HCH 2610MHz RB 100 0 NTN



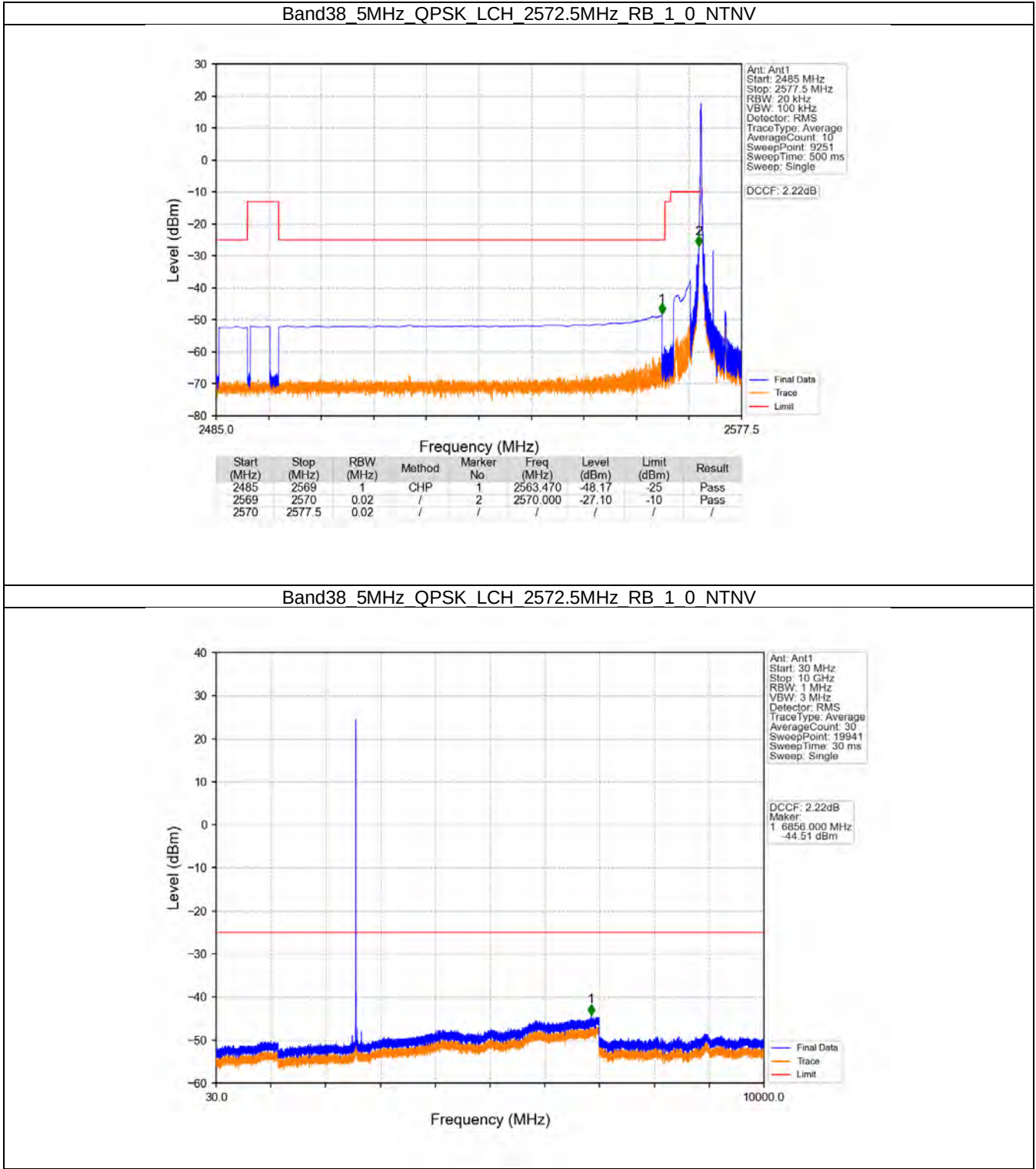
5. Spurious Emission & Band Edges

5.1 B38_5MHz

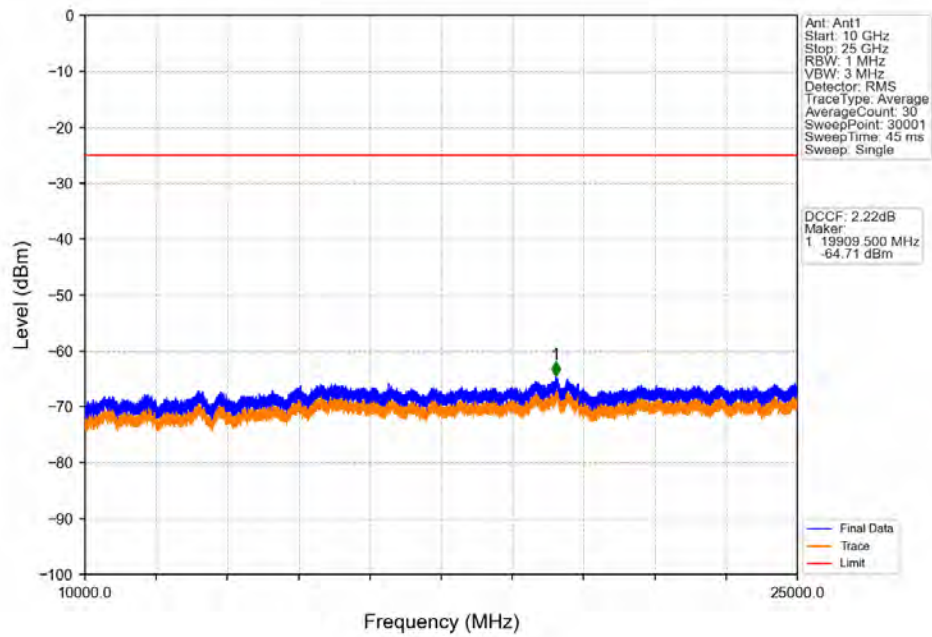
5.1.1 Test Result

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

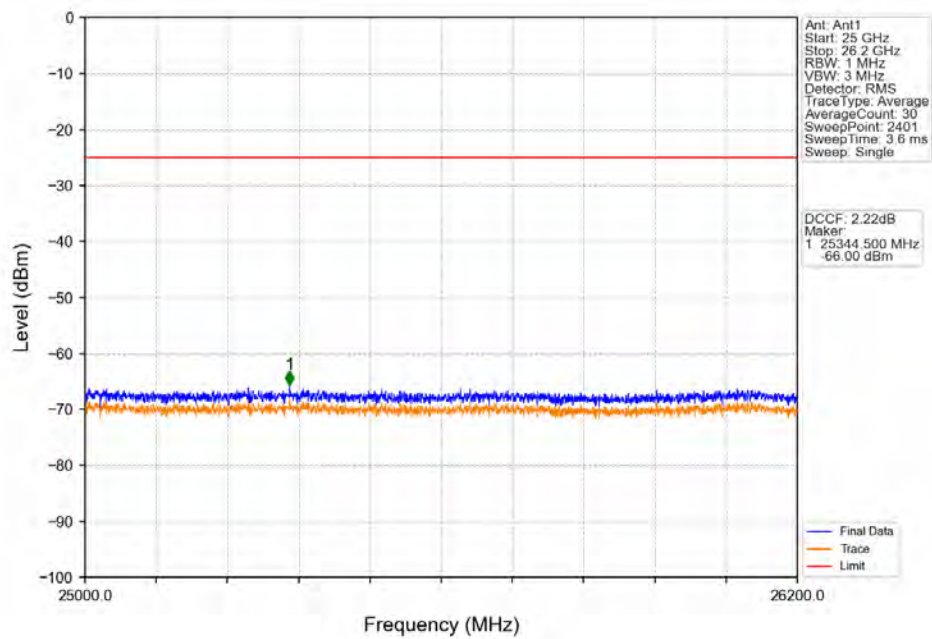
5.1.2 Test Graph



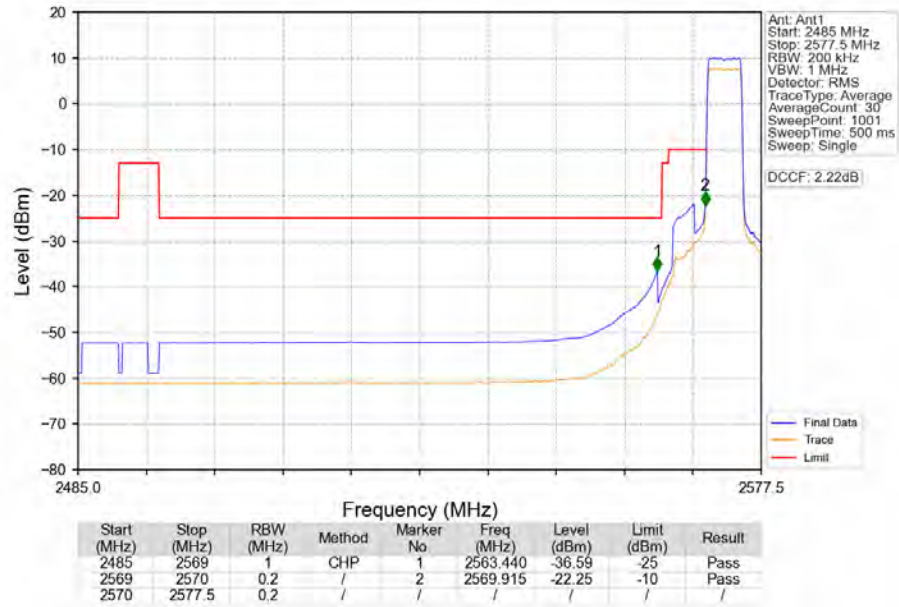
Band38 5MHz QPSK LCH 2572.5MHz RB 1 0 NTNV



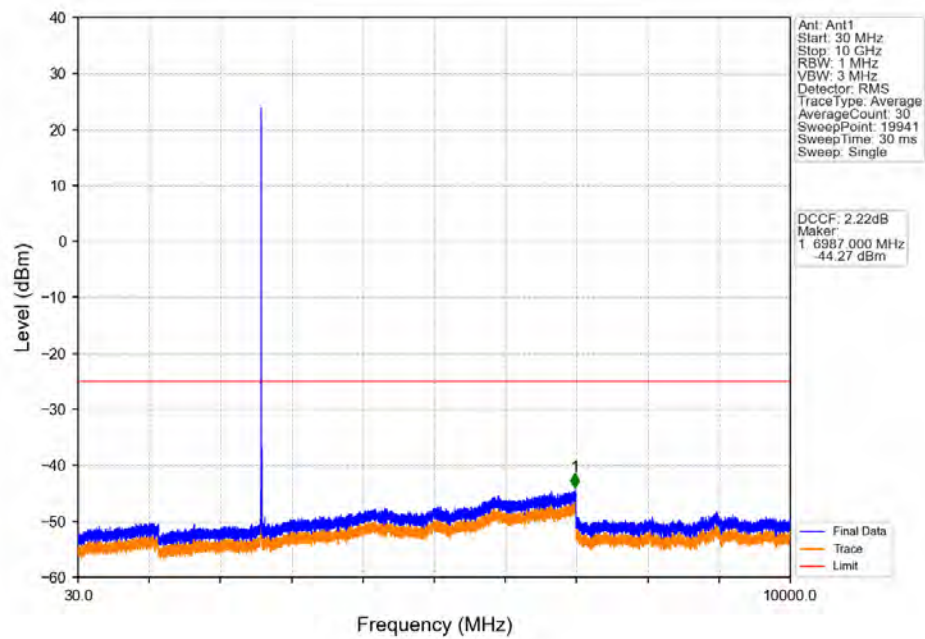
Band38_5MHz_QPSK_LCH_2572.5MHz_RB_1_0_NTNV



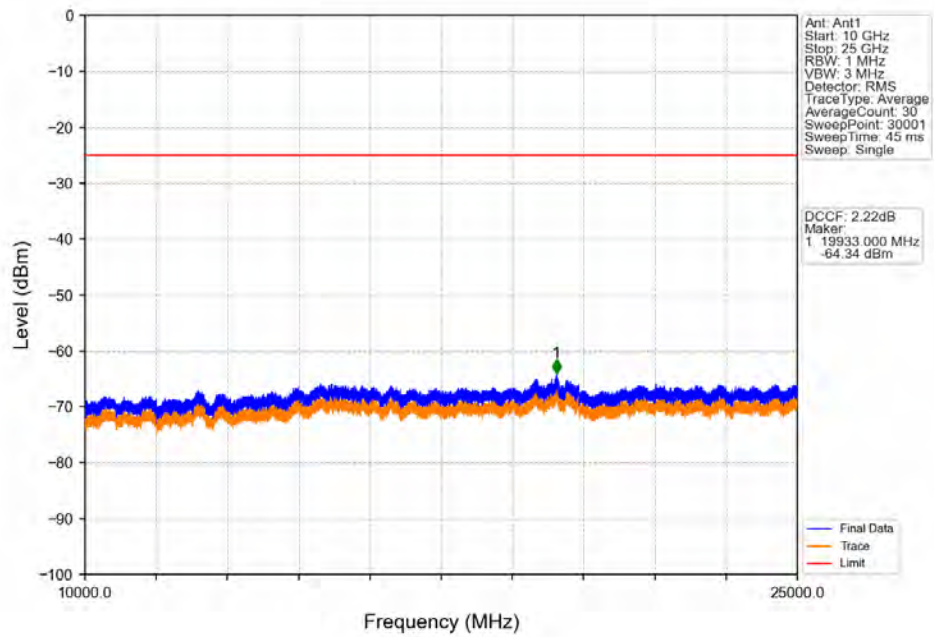
Band38_5MHz_QPSK_LCH_2572.5MHz_RB_25_0_NTNV



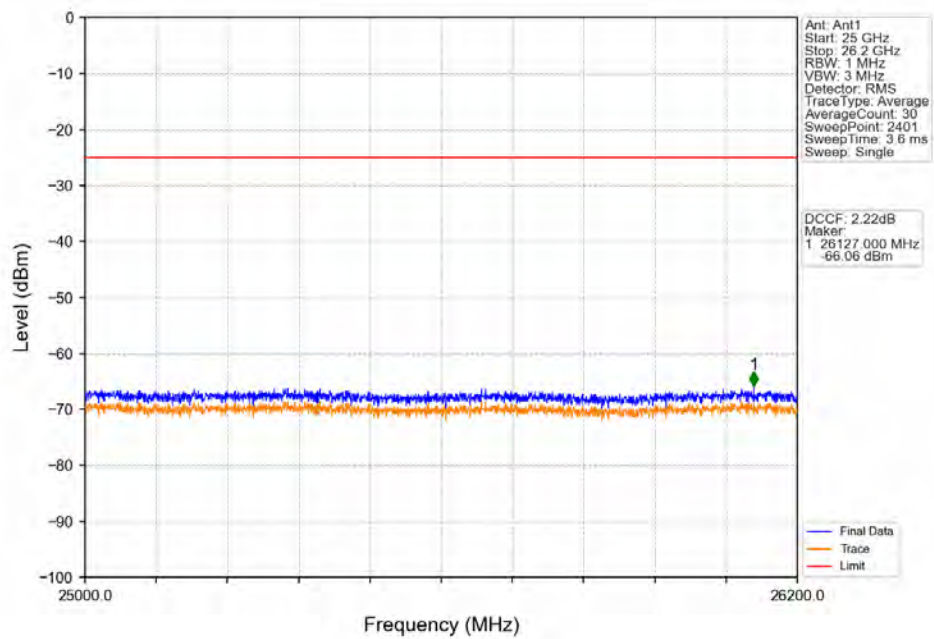
Band38_5MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



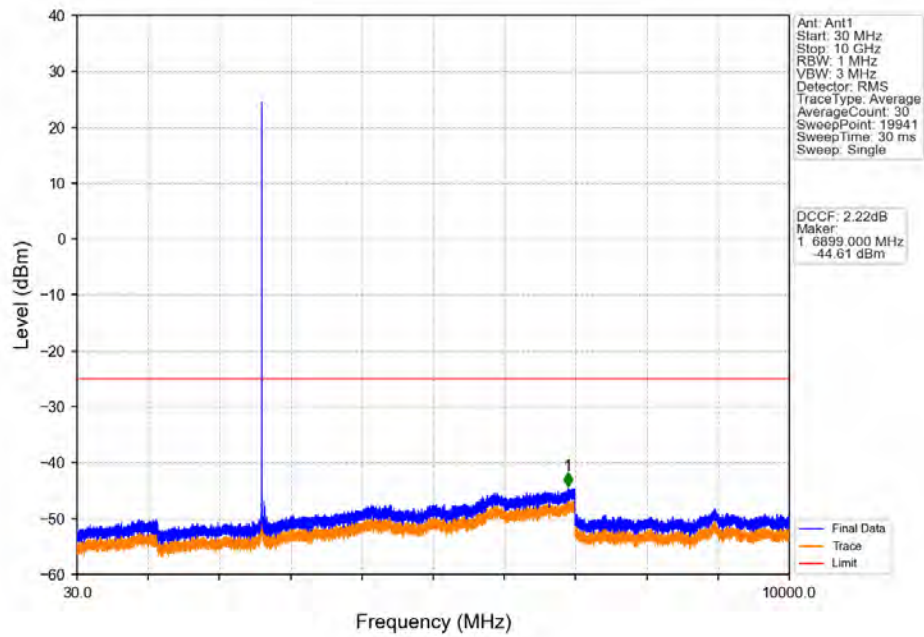
Band38 5MHz QPSK MCH 2595MHz RB 1 0 NTN



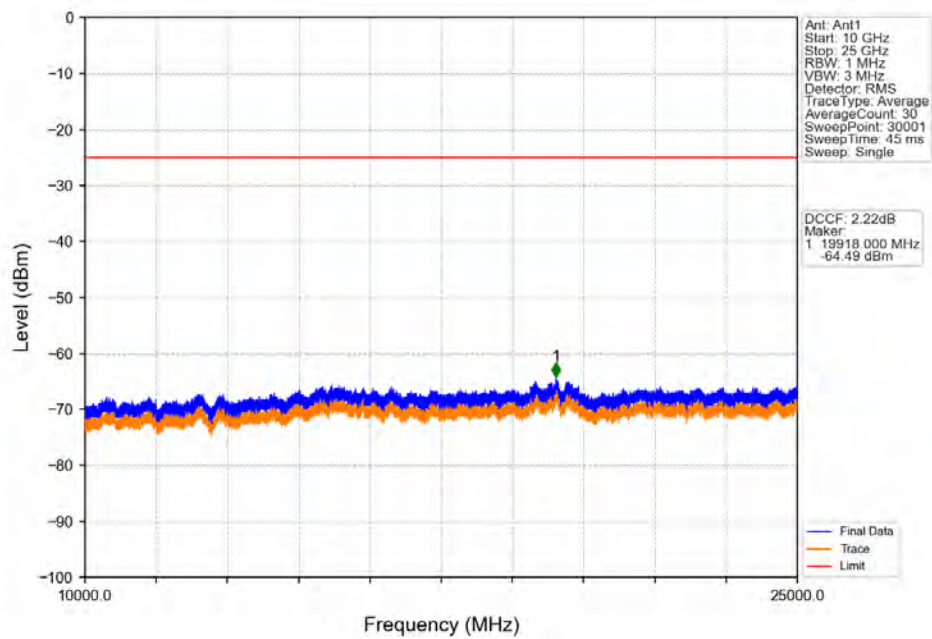
Band38 5MHz QPSK MCH 2595MHz RB 1 0 NTN



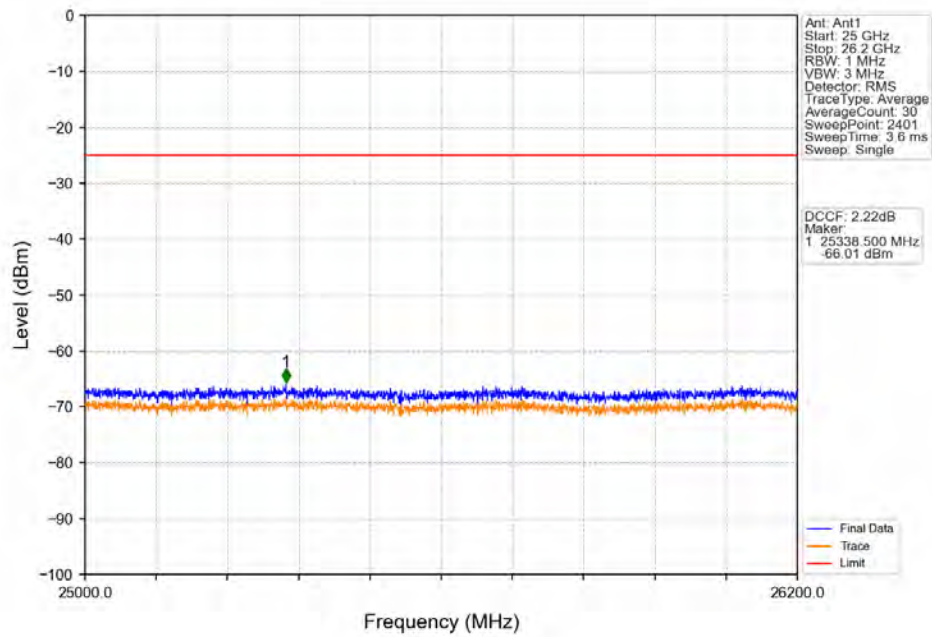
Band38_5MHz_QPSK_HCH_2617.5MHz_RB_1_0_NTNV



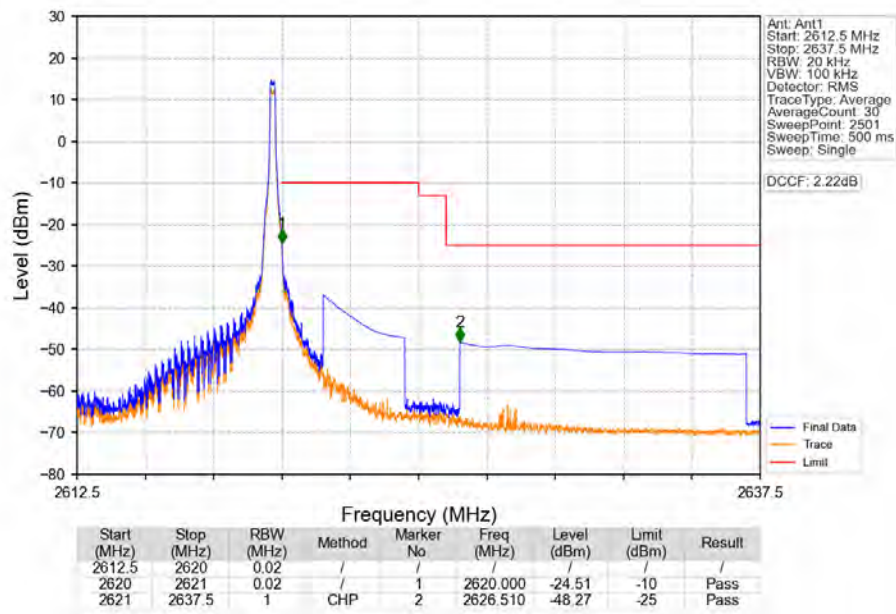
Band38_5MHz_QPSK_HCH_2617.5MHz_RB_1_0_NTNV

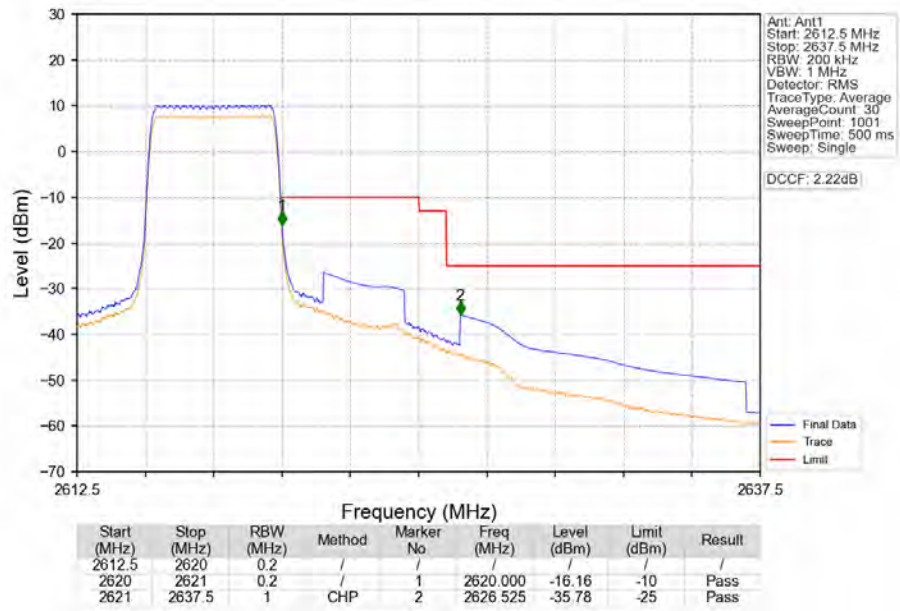


Band38 5MHz QPSK HCH 2617.5MHz RB 1 0 NTNV



Band38_5MHz_QPSK_HCH_2617.5MHz_RB_1_24_NTNV



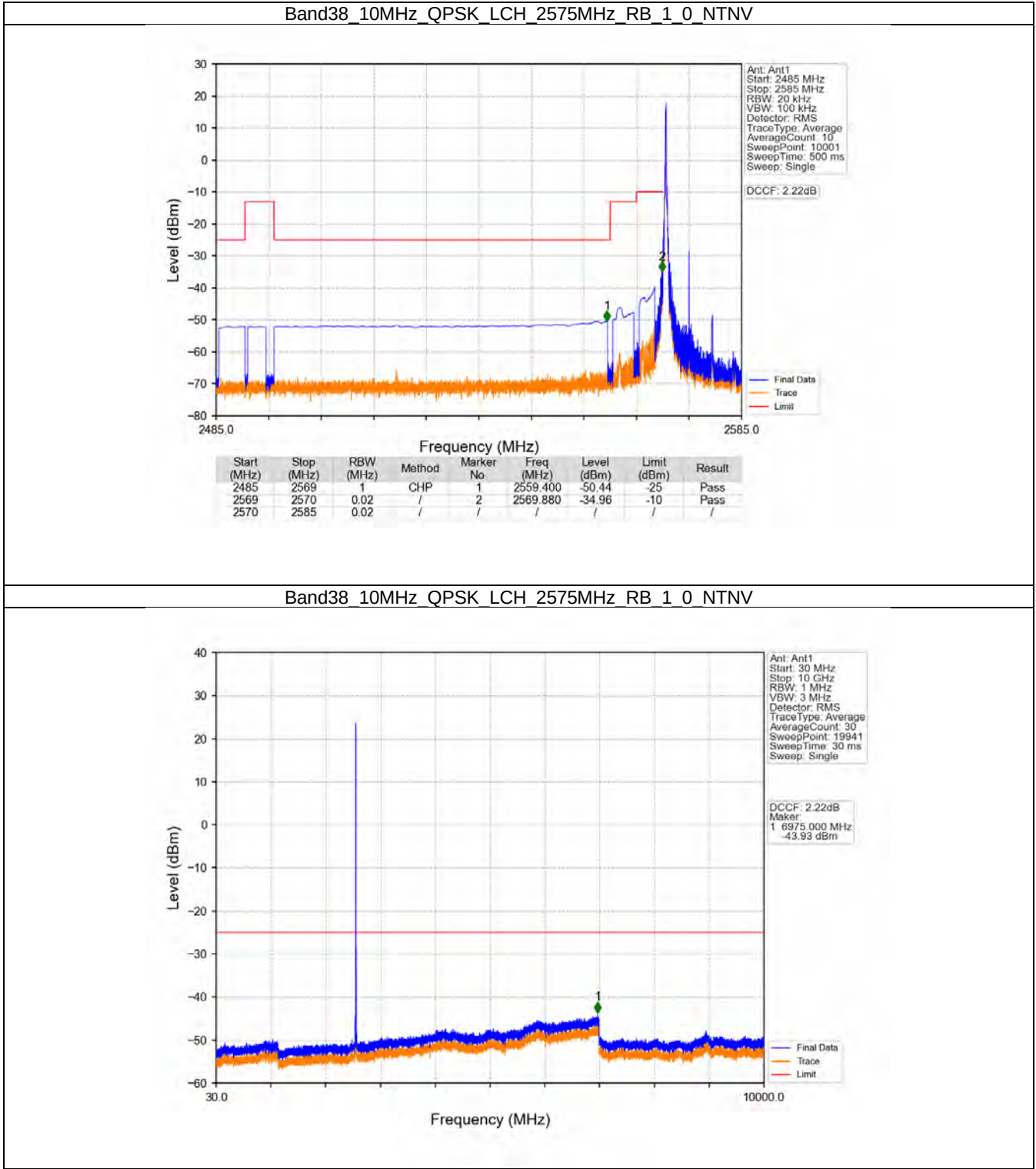


5.2 B38_10MHz

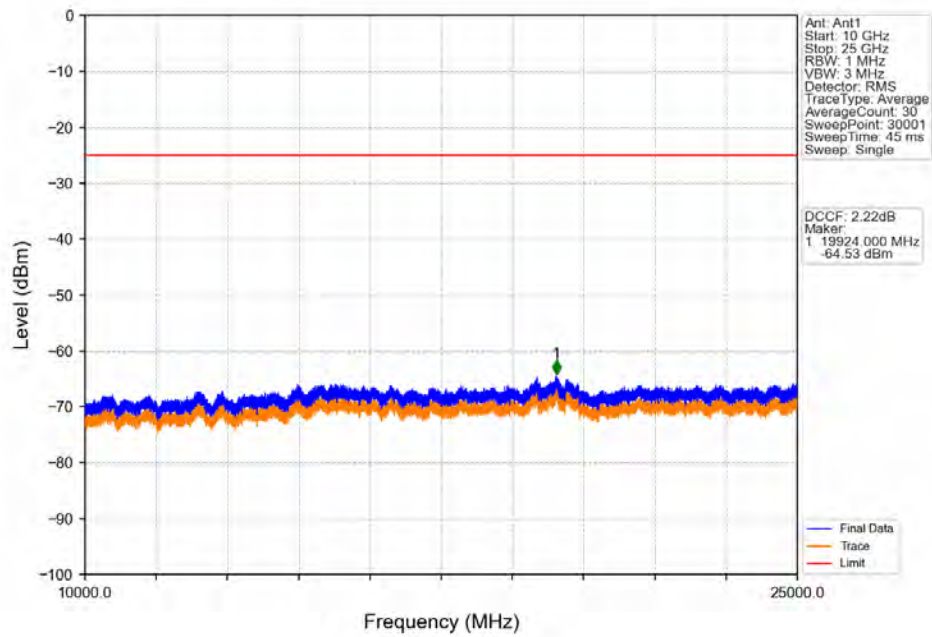
5.2.1 Test Result

Band: 38 / Bandwidth: 10MHz / NTVN						
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

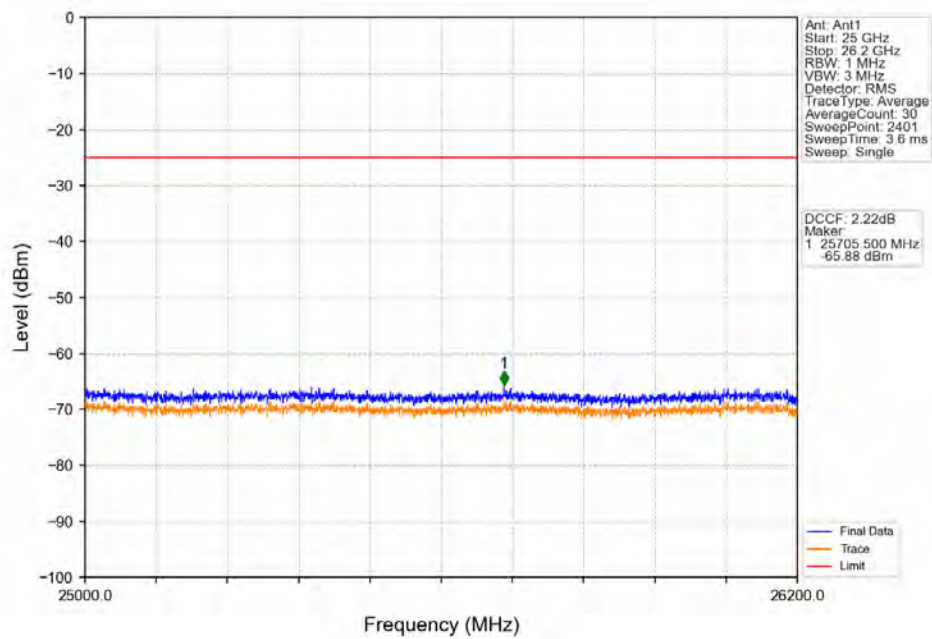
5.2.2 Test Graph



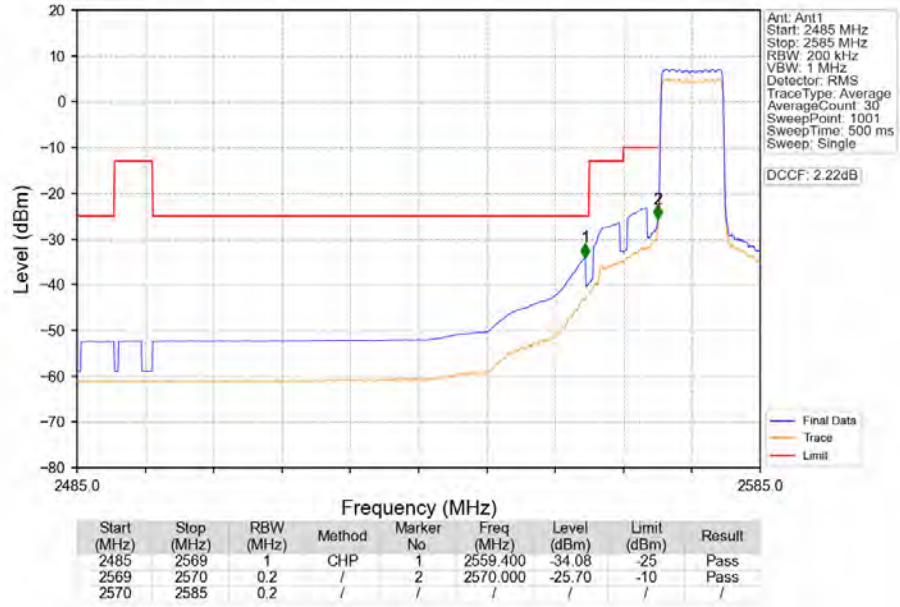
Band38_10MHz_QPSK_LCH_2575MHz_RB_1_0_NTNV



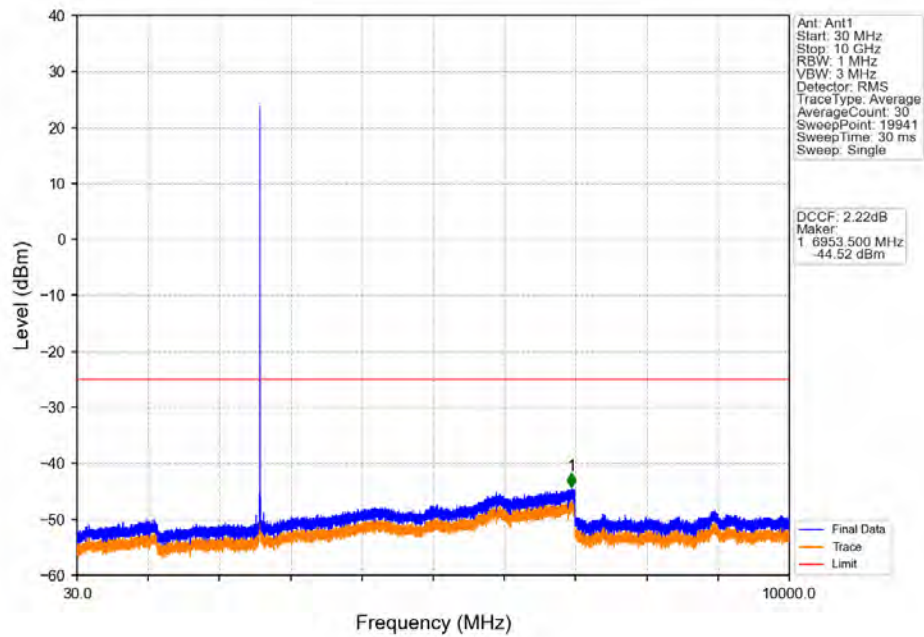
Band38_10MHz_QPSK_LCH_2575MHz_RB_1_0_NTNV



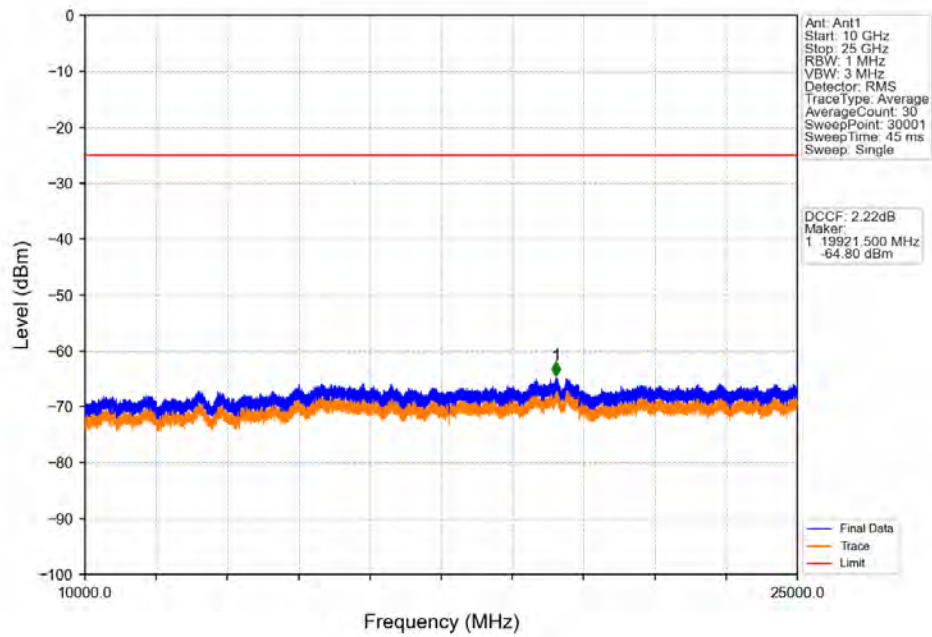
Band38_10MHz_QPSK_LCH_2575MHz_RB_50_0_NTNV



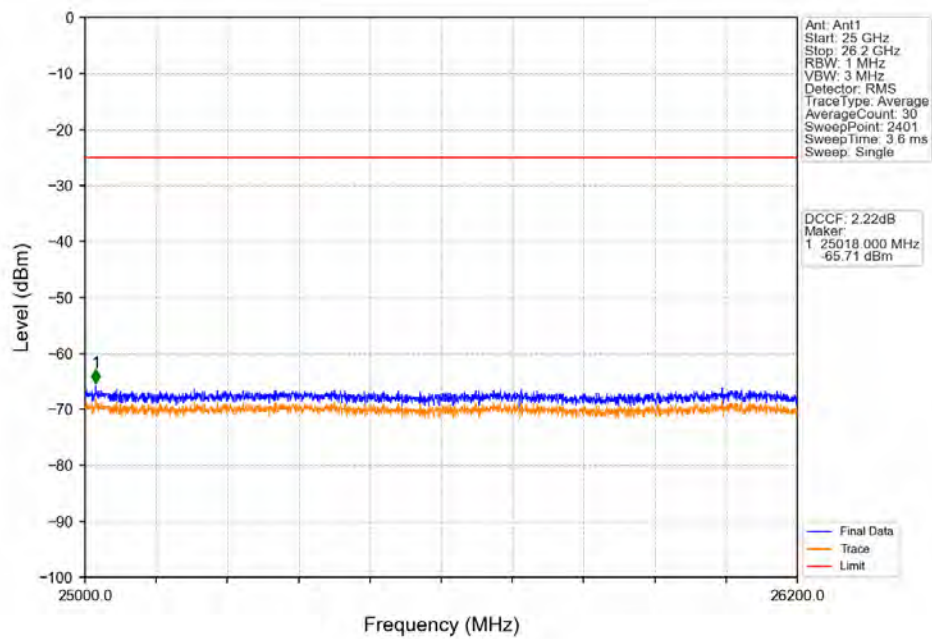
Band38_10MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



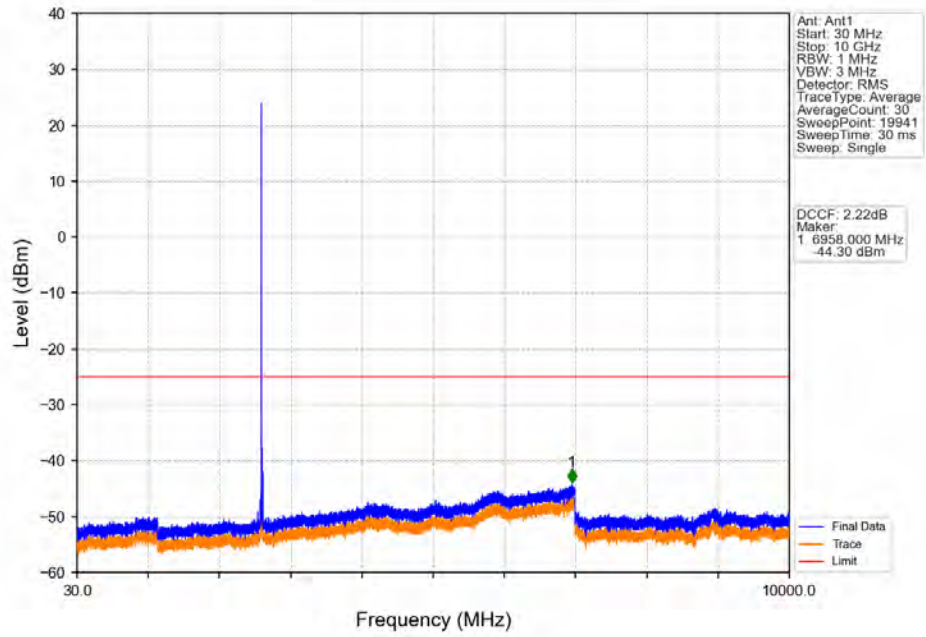
Band38 10MHz QPSK MCH 2595MHz RB 1 0 NTV



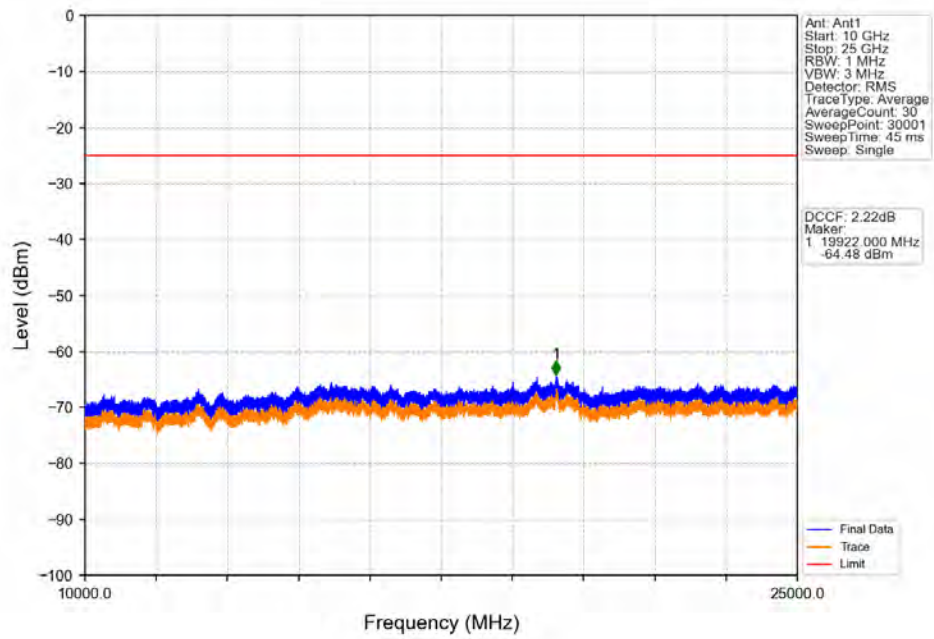
Band38_10MHz_QPSK_MCH_2595MHz_RB_1_0_NTV



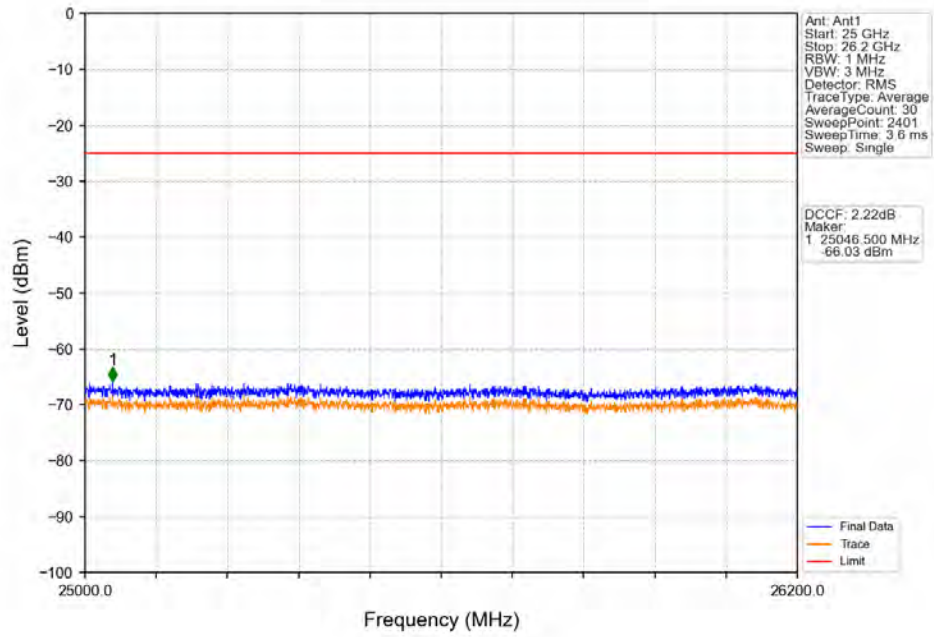
Band38 10MHz QPSK HCH 2615MHz RB 1 0 NTV



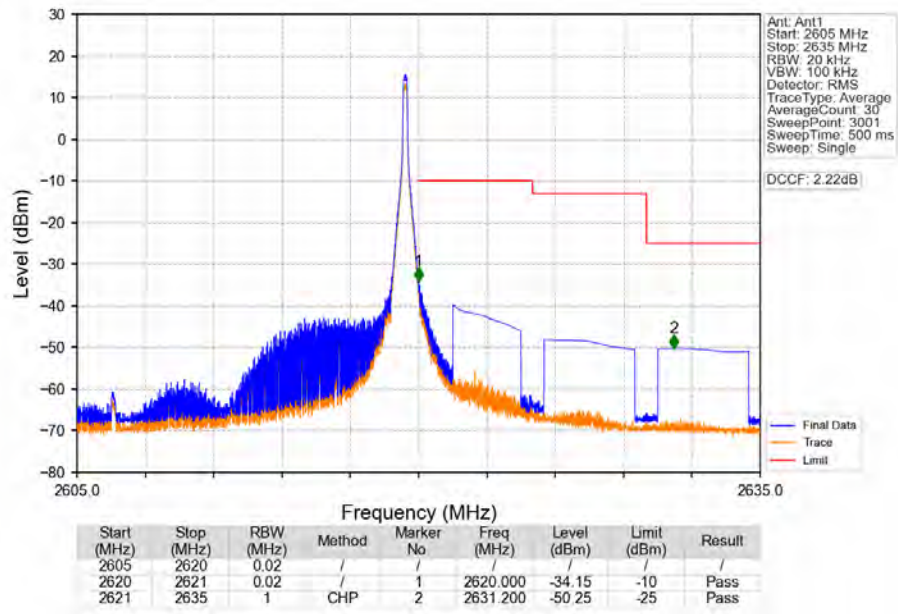
Band38 10MHz QPSK HCH 2615MHz RB 1 0 NTV

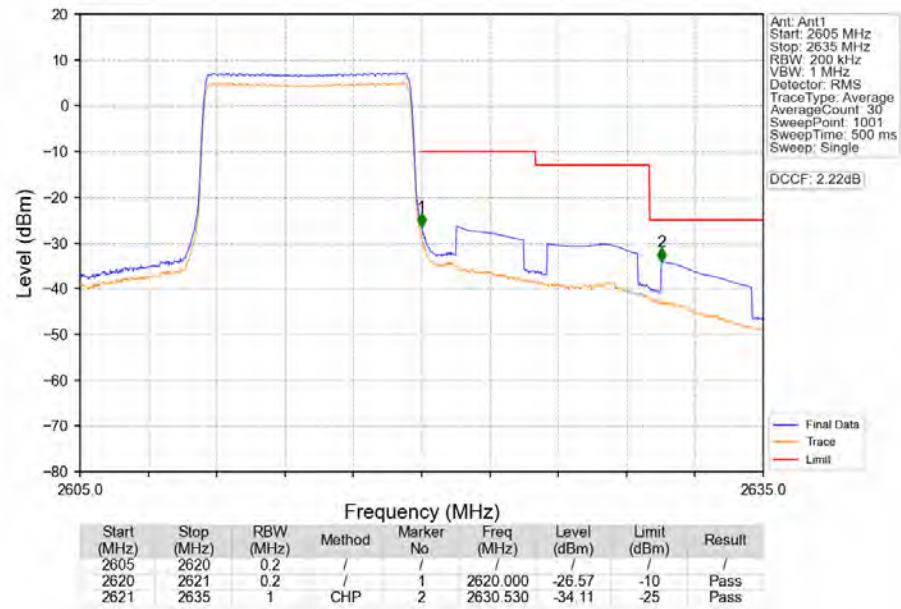


Band38 10MHz QPSK HCH 2615MHz RB 1 0 NTNV



Band38_10MHz_QPSK_HCH_2615MHz_RB_1_49_NTNV



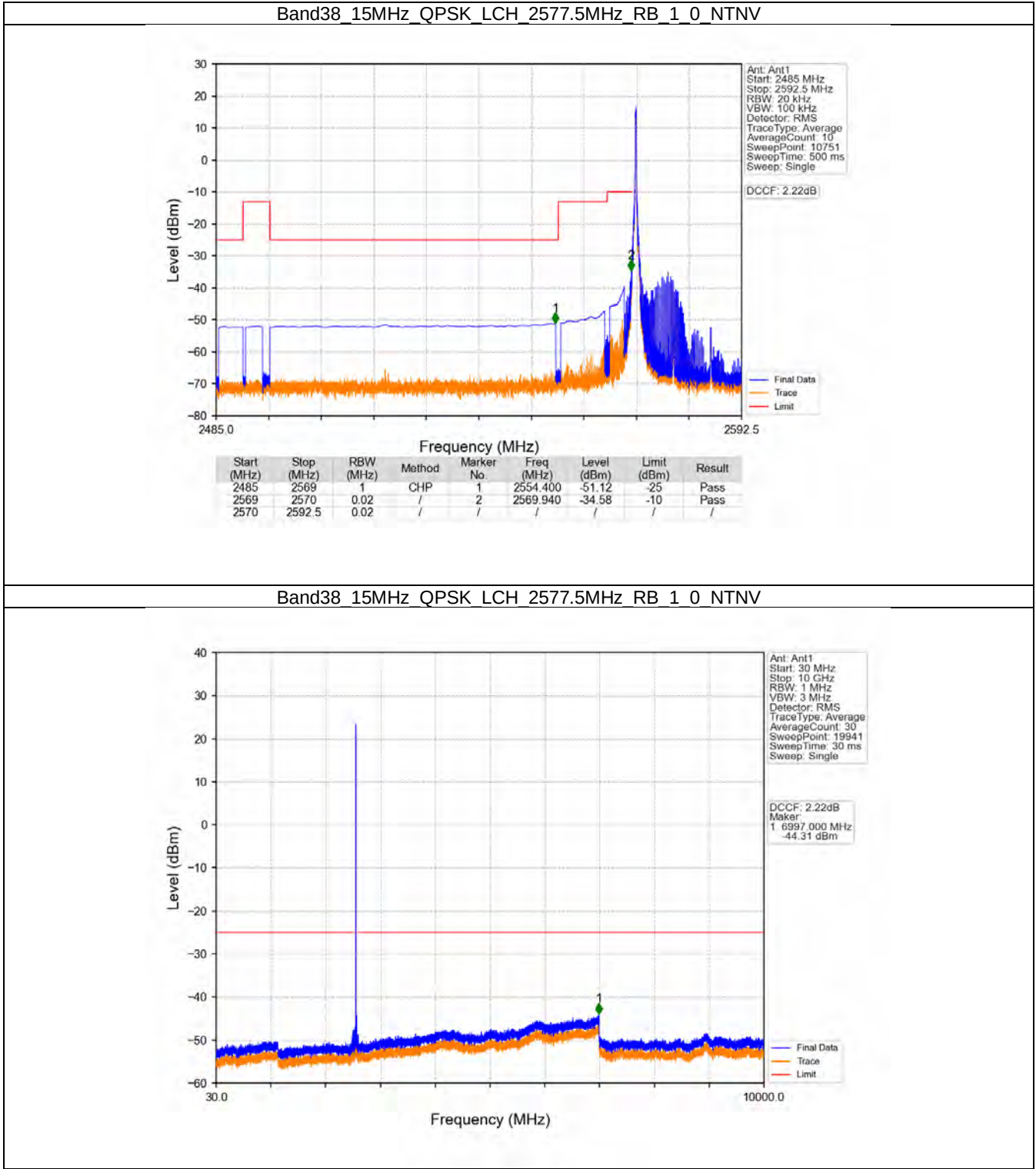


5.3 B38_15MHz

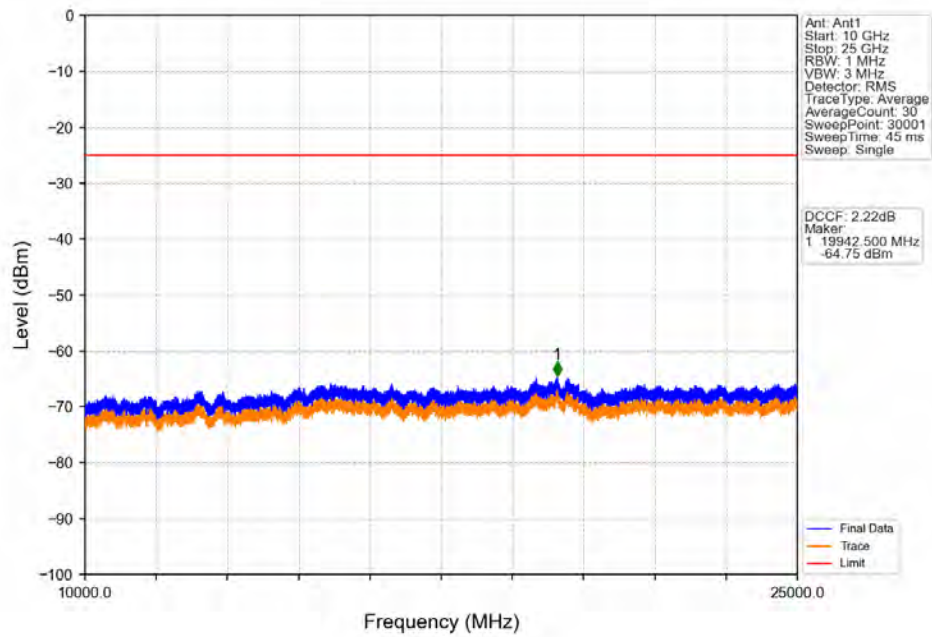
5.3.1 Test Result

Band: 38 / Bandwidth: 15MHz / NTVN						
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

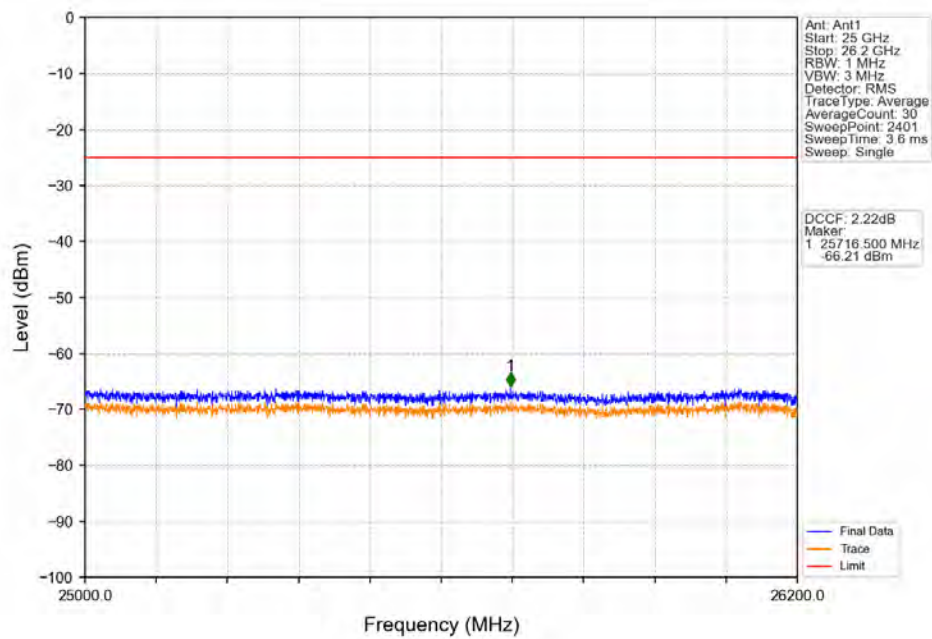
5.3.2 Test Graph



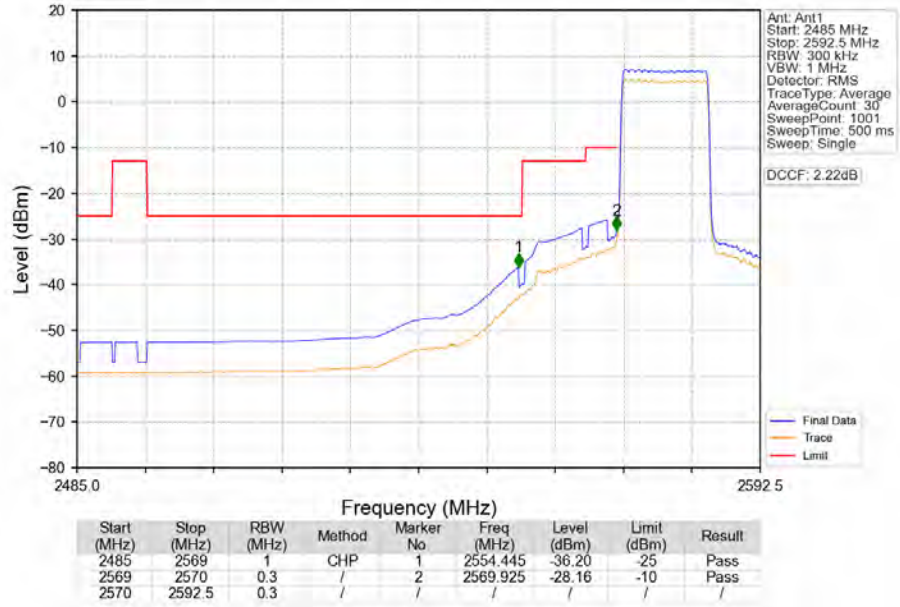
Band38_15MHz_QPSK_LCH_2577.5MHz_RB_1_0_NTNV



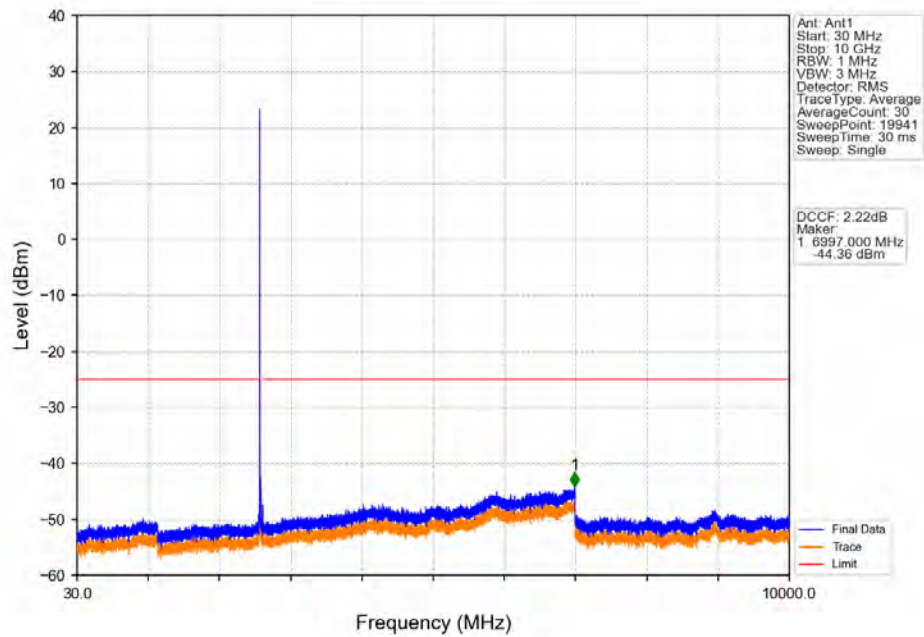
Band38_15MHz_QPSK_LCH_2577.5MHz_RB_1_0_NTNV



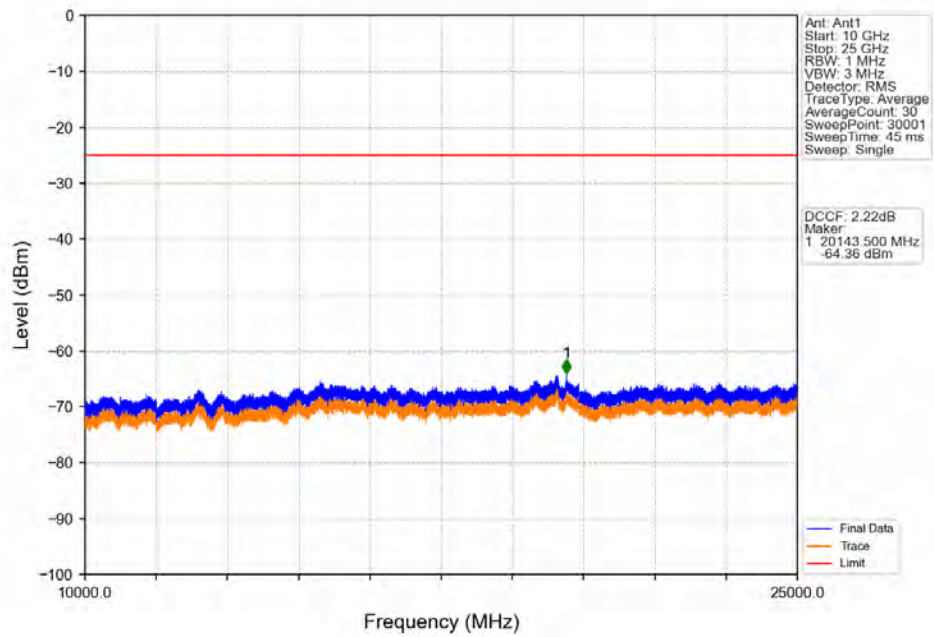
Band38 15MHz QPSK LCH 2577.5MHz RB 75 0 NTNV



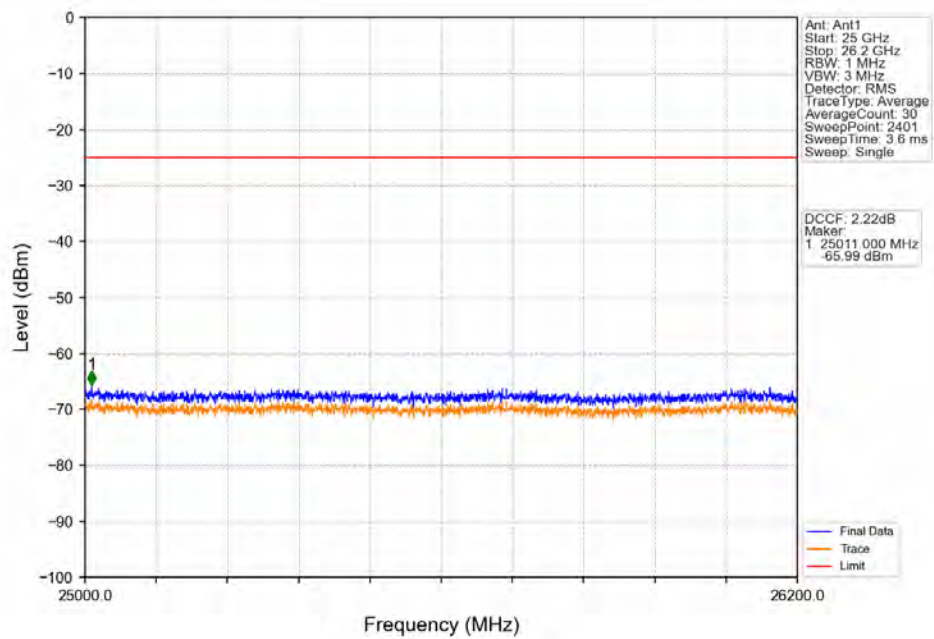
Band38_15MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



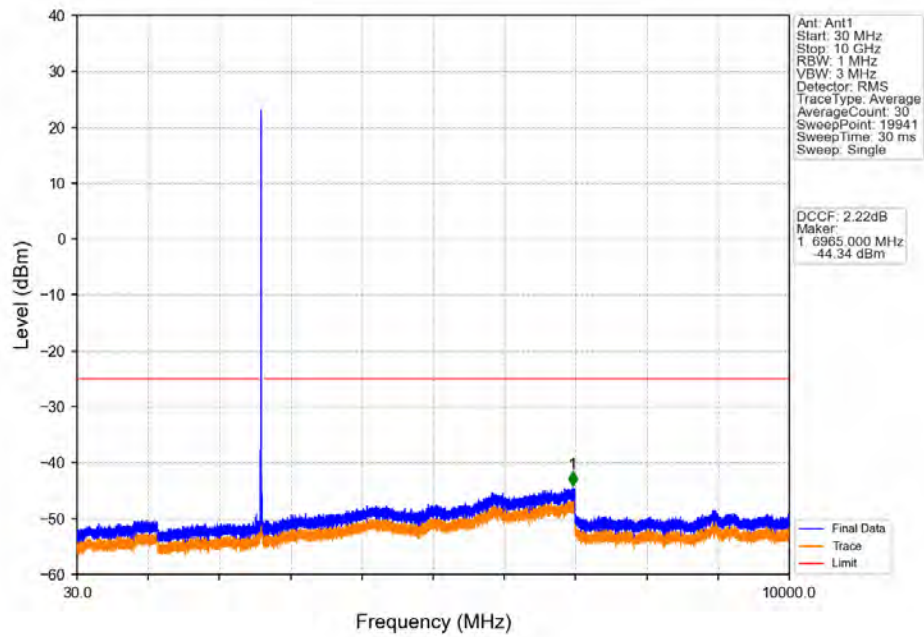
Band38_15MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



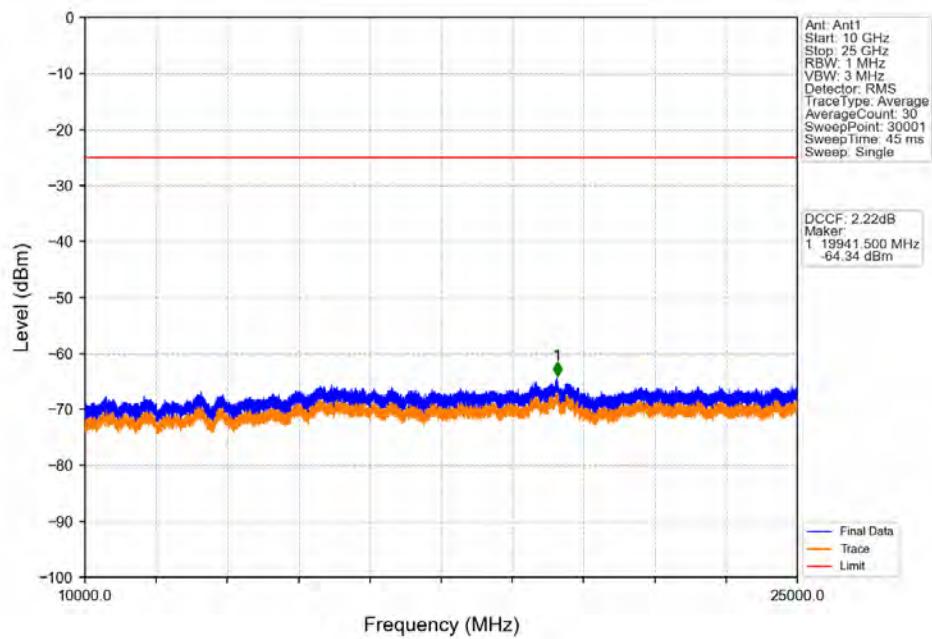
Band38_15MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



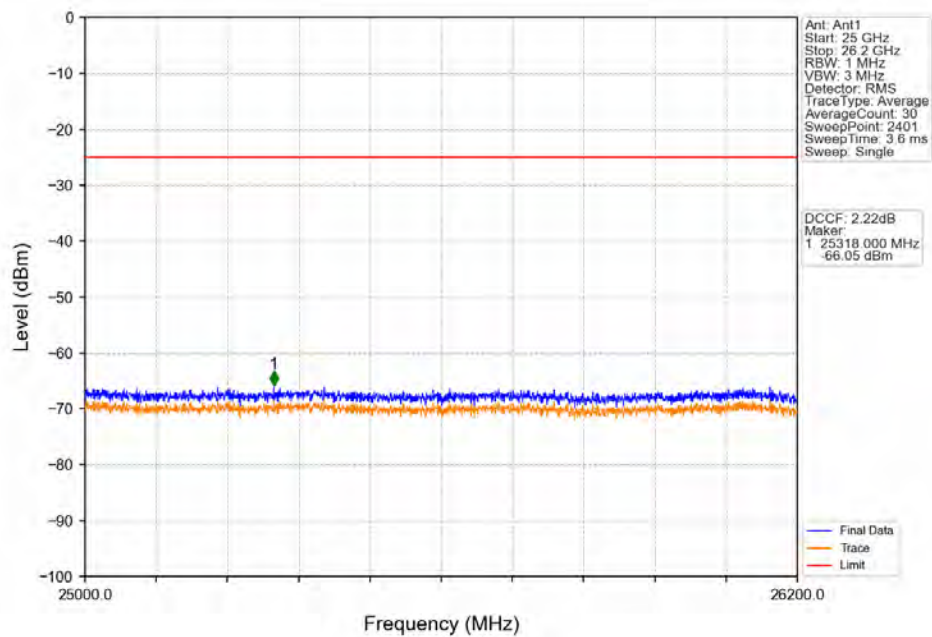
Band38_15MHz_QPSK_HCH_2612.5MHz_RB_1_0_NTNV



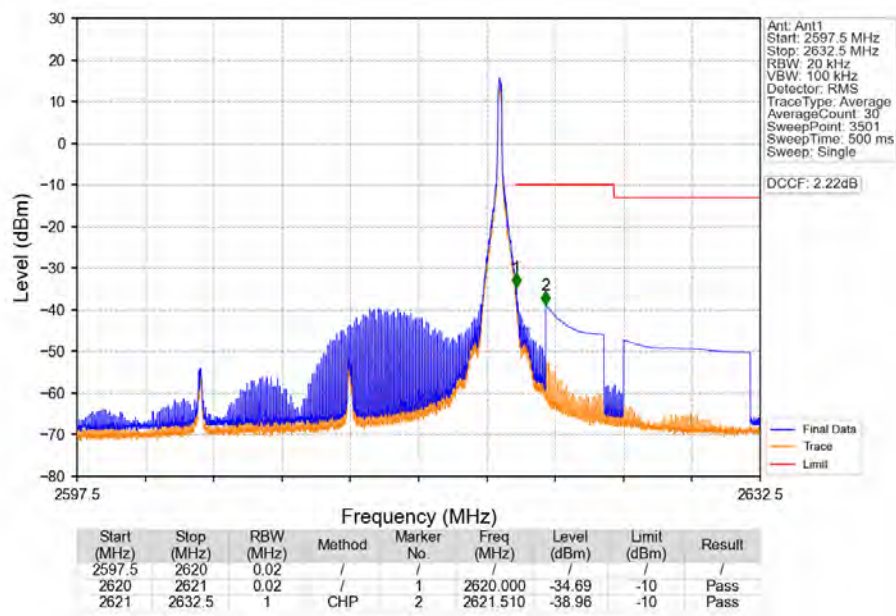
Band38_15MHz_QPSK_HCH_2612.5MHz_RB_1_0_NTNV



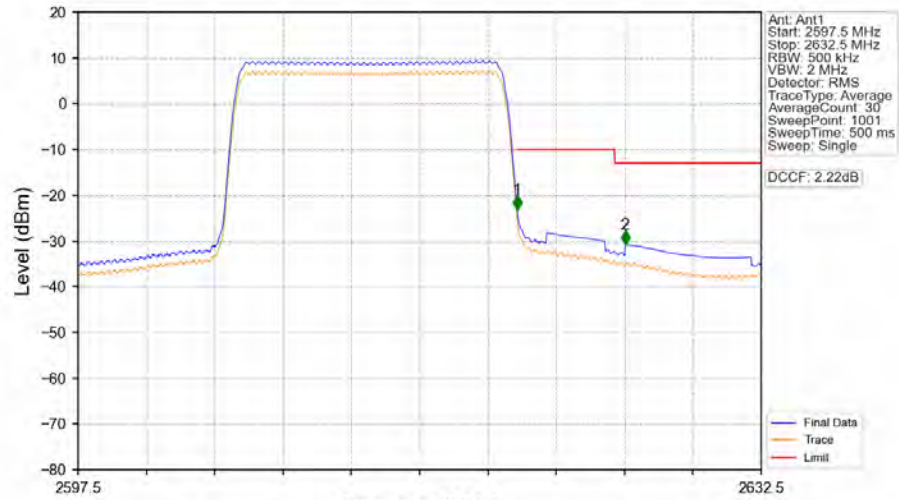
Band38_15MHz_QPSK_HCH_2612.5MHz_RB_1_0_NTNV



Band38_15MHz_QPSK_HCH_2612.5MHz_RB_1_74_NTNV



Band38 15MHz QPSK HCH 2612.5MHz RB 75 0 NTN



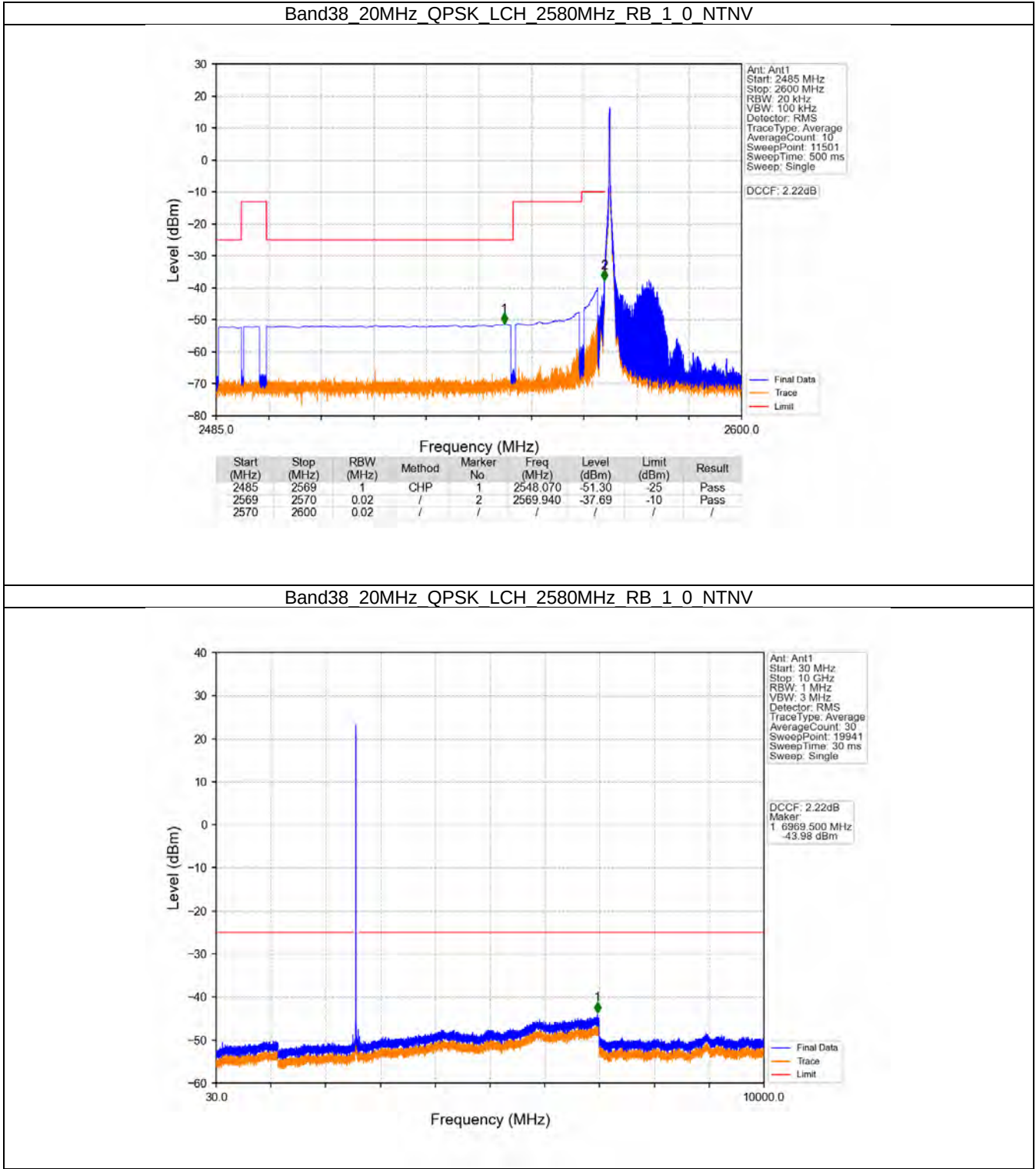
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2597.5	2620	0.5	/	1	2620.005	-23.16	-10	Pass
2620	2621	0.5	/	1	2620.005	-23.16	-10	Pass
2621	2632.5	1	CHP	2	2625.535	-30.84	-13	Pass

5.4 B38_20MHz

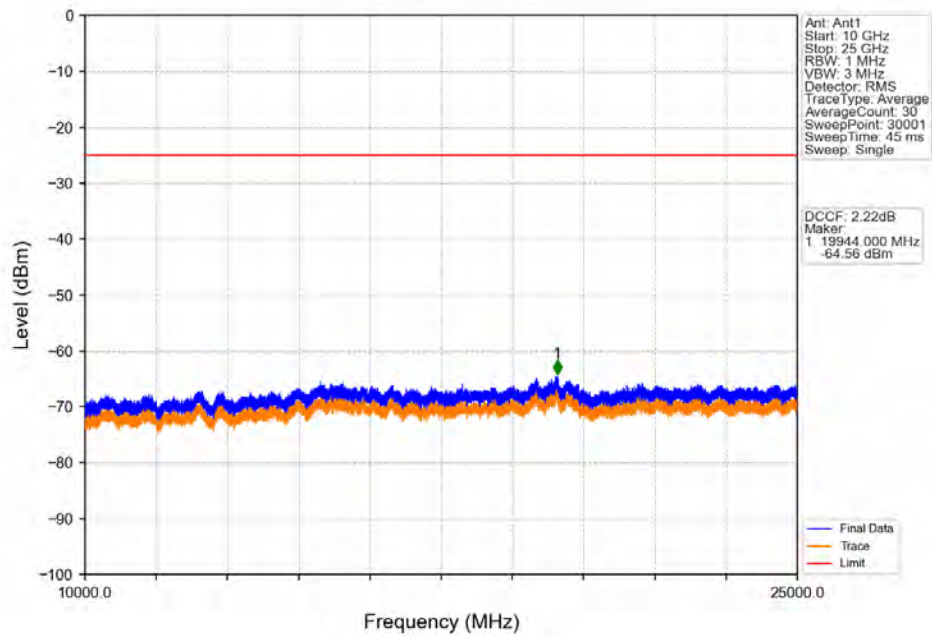
5.4.1 Test Result

Band: 38 / Bandwidth: 20MHz / NTVN						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		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

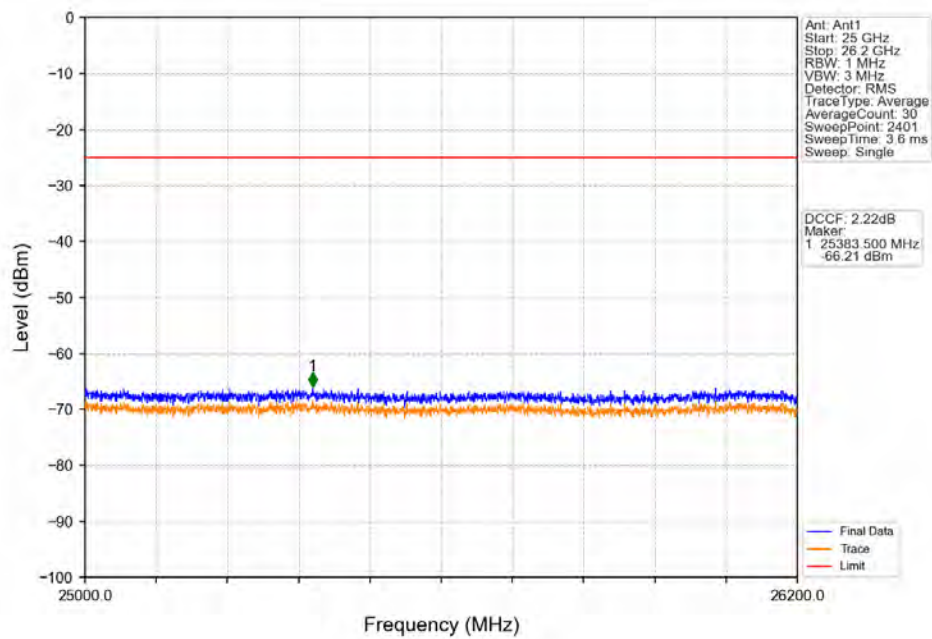
5.4.2 Test Graph



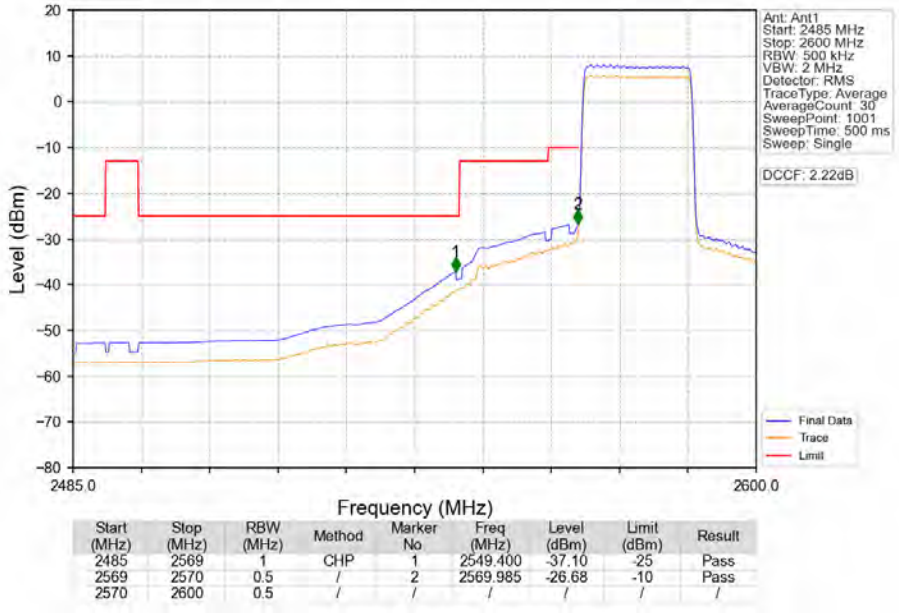
Band38 20MHz QPSK LCH 2580MHz RB 1 0 NTN



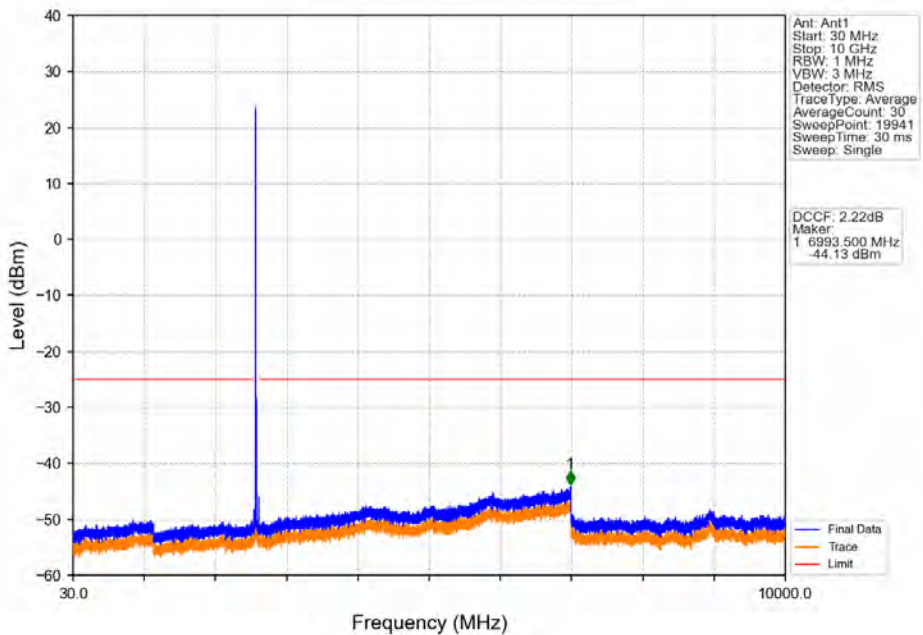
Band38 20MHz QPSK LCH 2580MHz RB 1 0 NTN



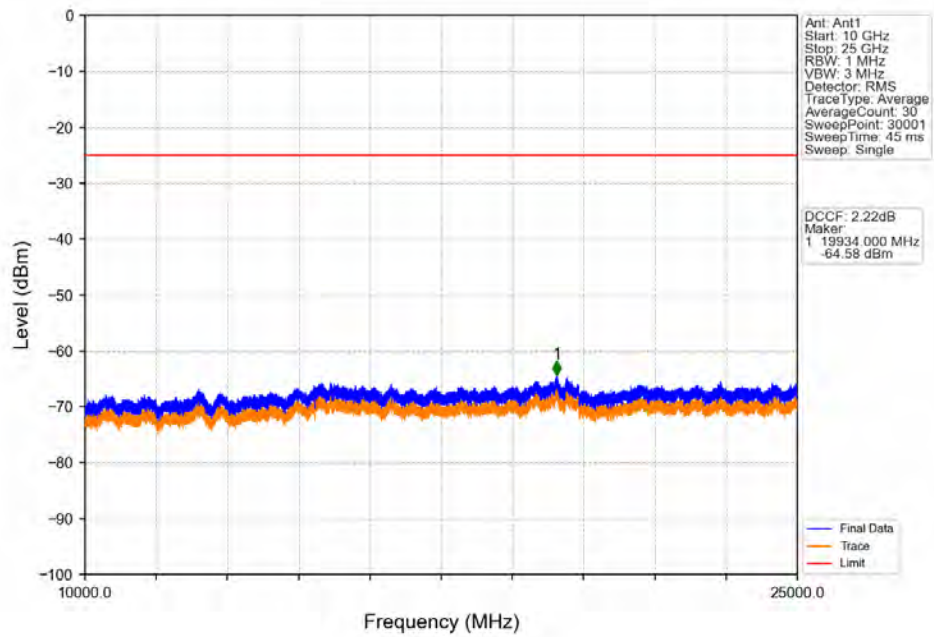
Band38 20MHz QPSK LCH 2580MHz RB 100 0 NTV



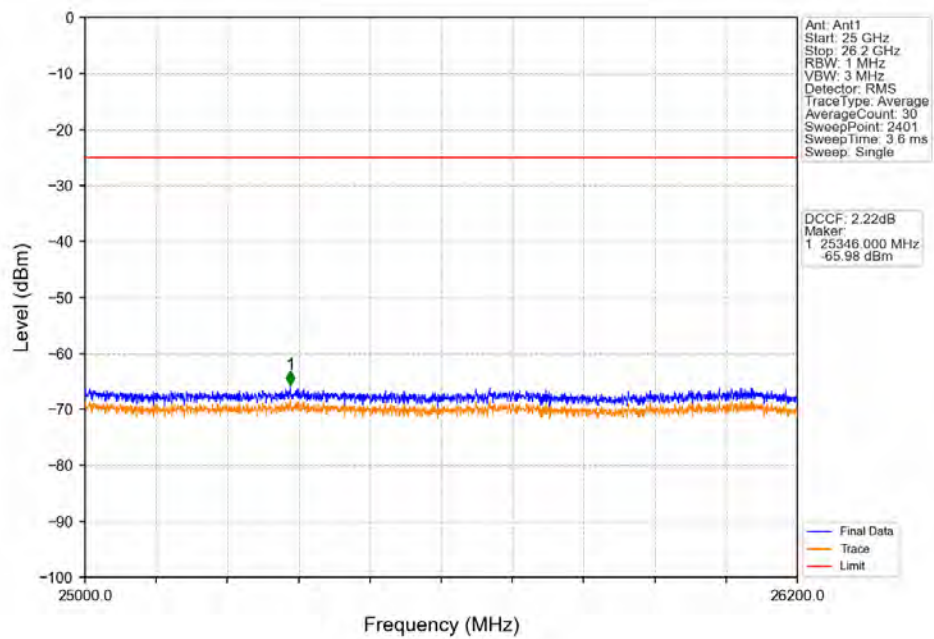
Band38_20MHz_QPSK_MCH_2595MHz_RB_1_0_NTV



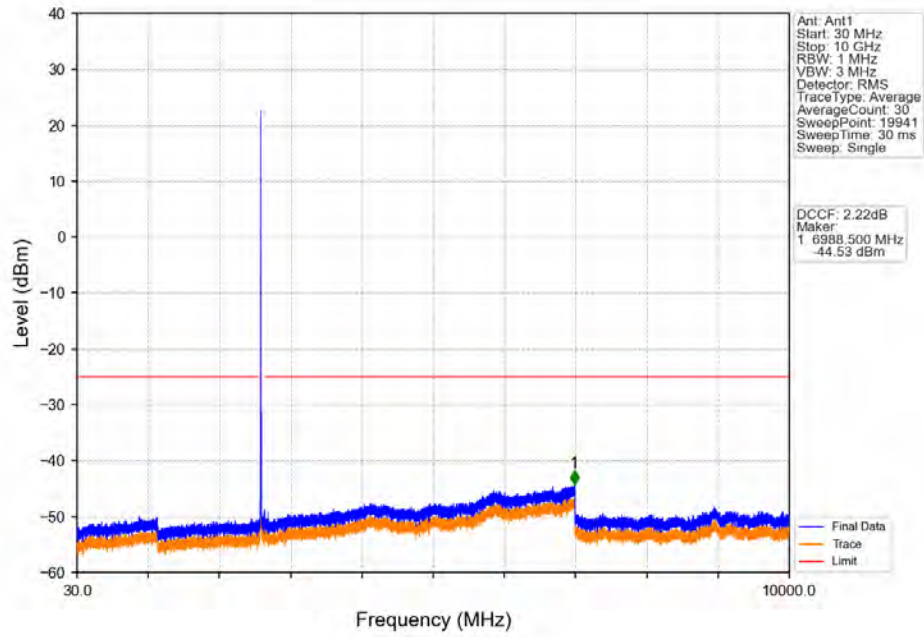
Band38 20MHz QPSK MCH 2595MHz RB 1 0 NTV



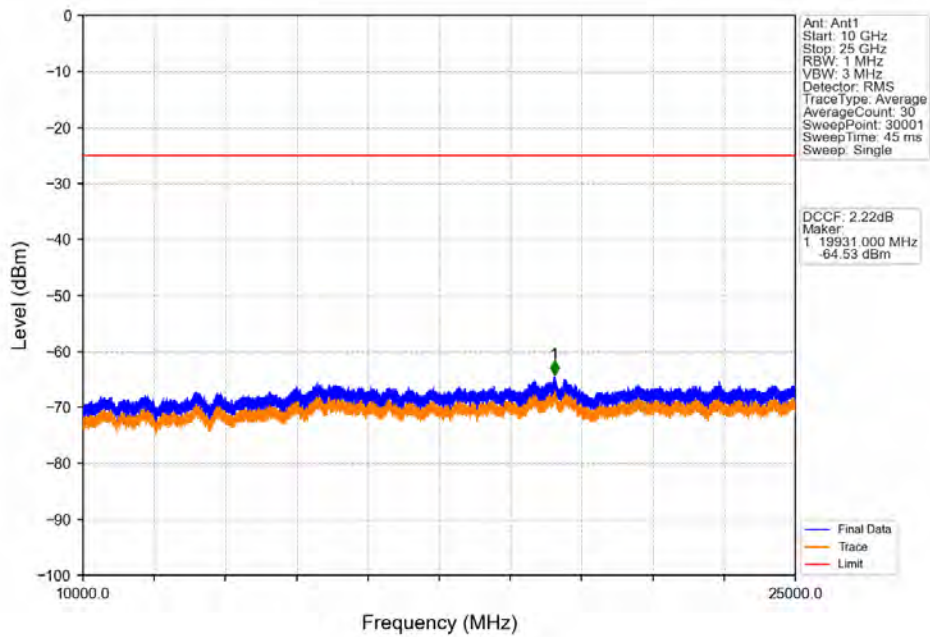
Band38_20MHz_QPSK_MCH_2595MHz_RB_1_0_NTV



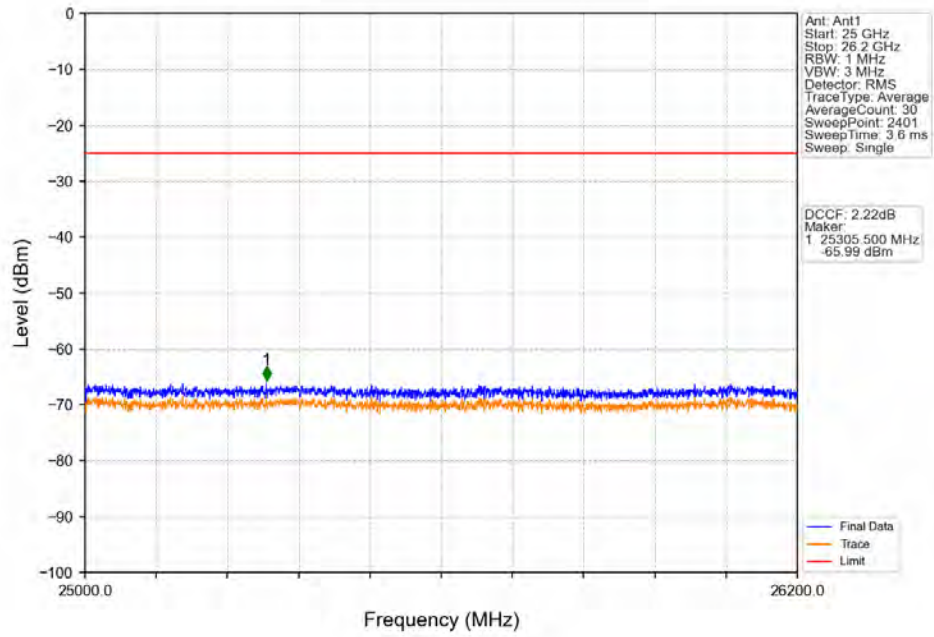
Band38 20MHz QPSK HCH 2610MHz RB 1 0 NTV



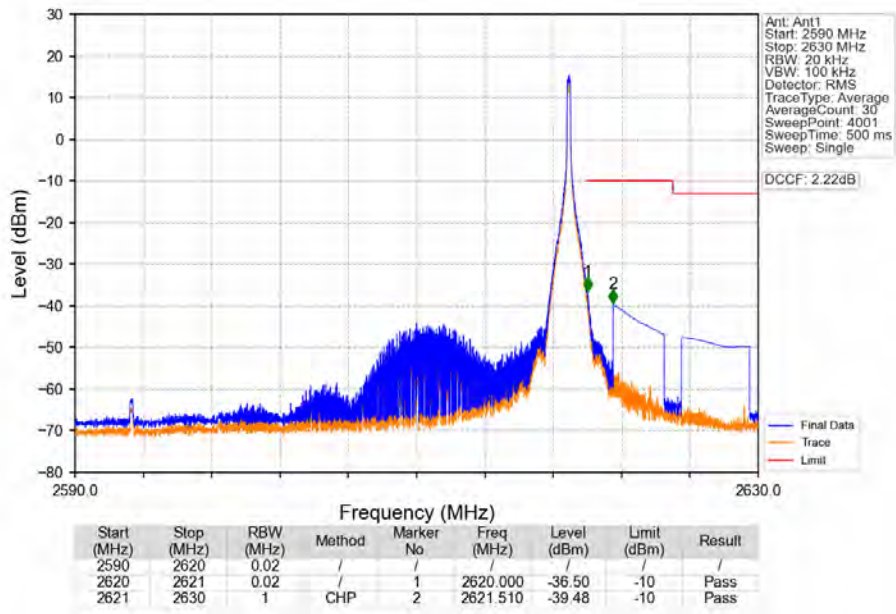
Band38 20MHz QPSK HCH 2610MHz RB 1 0 NTV

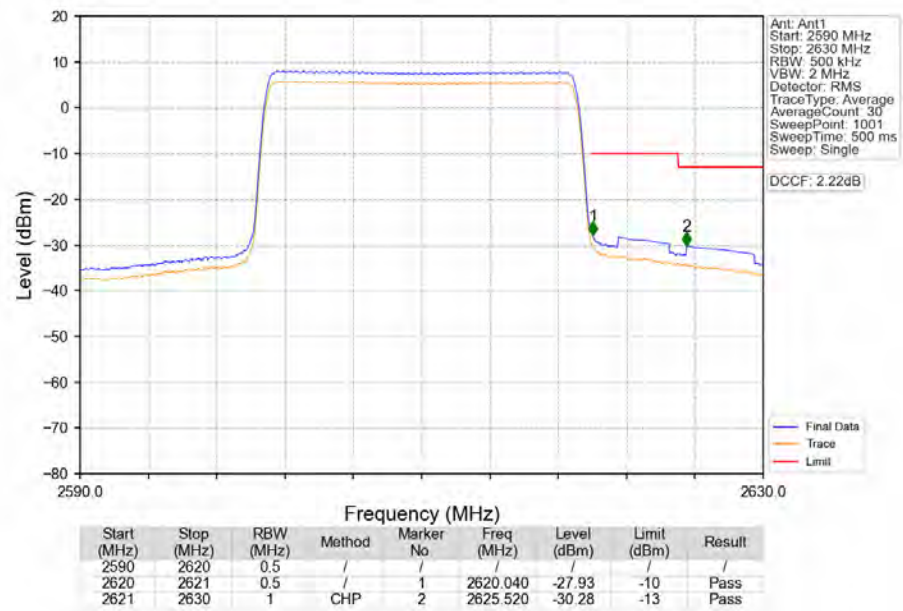


Band38 20MHz QPSK HCH 2610MHz RB 1 0 NTNV



Band38 20MHz QPSK HCH 2610MHz RB 1 99 NTNV





6. Field Strength of Spurious Radiation

LTE Band 38 ANT41-Low channel								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
5142.0	-63.24	-25	-38.24	-68.85	4.62	10.23	Horizontal	Pass
7713.0	-59.86	-25	-34.86	-66.89	4.96	11.99	Horizontal	Pass
10284.0	-56.81	-25	-31.81	-64.38	5.51	13.08	Horizontal	Pass
5142.0	-63.36	-25	-38.36	-68.97	4.62	10.23	Vertical	Pass
7713.0	-60.14	-25	-35.14	-67.17	4.96	11.99	Vertical	Pass
10284.0	-56.89	-25	-31.89	-64.46	5.51	13.08	Vertical	Pass

LTE Band 38 ANT41-Middle channel								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
5172.0	-62.56	-25	-37.56	-68.18	4.63	10.25	Horizontal	Pass
7758.0	-51.69	-25	-26.69	-58.77	4.96	12.04	Horizontal	Pass
10344.0	-56.57	-25	-31.57	-64.14	5.52	13.09	Horizontal	Pass
5172.0	-62.51	-25	-37.51	-68.13	4.63	10.25	Vertical	Pass
7758.0	-50.3	-25	-25.3	-57.38	4.96	12.04	Vertical	Pass
10344.0	-56.47	-25	-31.47	-64.04	5.52	13.09	Vertical	Pass

LTE Band 38 ANT41-High channel								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
5202.0	-63.12	-25	-38.12	-68.76	4.63	10.27	Horizontal	Pass
7803.0	-59.5	-25	-34.5	-66.64	4.96	12.1	Horizontal	Pass
10404.0	-55.92	-25	-30.92	-63.5	5.52	13.1	Horizontal	Pass
5202.0	-59.92	-25	-34.92	-65.56	4.63	10.27	Vertical	Pass
7803.0	-59.71	-25	-34.71	-66.85	4.96	12.1	Vertical	Pass
10404.0	-56.78	-25	-31.78	-64.36	5.52	13.1	Vertical	Pass

1) All antennas of RSE are tested, and only the worst data is presented.

---End of Attachment---