

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 B38_5MHz_EIRP

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	23.60	-1.42	22.18	<=33.01	Pass
			13	23.52	-1.42	22.10	<=33.01	Pass
			24	23.55	-1.42	22.13	<=33.01	Pass
		12	0	22.54	-1.42	21.12	<=33.01	Pass
			6	22.48	-1.42	21.06	<=33.01	Pass
			13	22.49	-1.42	21.07	<=33.01	Pass
		25	0	22.53	-1.42	21.11	<=33.01	Pass
	2595	1	0	23.38	-1.42	21.96	<=33.01	Pass
			13	23.19	-1.42	21.77	<=33.01	Pass
			24	23.41	-1.42	21.99	<=33.01	Pass
		12	0	22.37	-1.42	20.95	<=33.01	Pass
			6	22.33	-1.42	20.91	<=33.01	Pass
			13	22.22	-1.42	20.80	<=33.01	Pass
		25	0	22.35	-1.42	20.93	<=33.01	Pass
	2617.5	1	0	23.54	-1.42	22.12	<=33.01	Pass
			13	23.41	-1.42	21.99	<=33.01	Pass
			24	23.44	-1.42	22.02	<=33.01	Pass
		12	0	22.48	-1.42	21.06	<=33.01	Pass
			6	22.51	-1.42	21.09	<=33.01	Pass
			13	22.34	-1.42	20.92	<=33.01	Pass
		25	0	22.52	-1.42	21.10	<=33.01	Pass
16QAM	2572.5	1	0	22.35	-1.42	20.93	<=33.01	Pass
			13	22.34	-1.42	20.92	<=33.01	Pass
			24	22.57	-1.42	21.15	<=33.01	Pass
		12	0	21.56	-1.42	20.14	<=33.01	Pass
			6	21.49	-1.42	20.07	<=33.01	Pass
			13	21.43	-1.42	20.01	<=33.01	Pass
		25	0	21.50	-1.42	20.08	<=33.01	Pass
	2595	1	0	22.47	-1.42	21.05	<=33.01	Pass
			13	22.31	-1.42	20.89	<=33.01	Pass
			24	22.27	-1.42	20.85	<=33.01	Pass
		12	0	21.51	-1.42	20.09	<=33.01	Pass
			6	21.37	-1.42	19.95	<=33.01	Pass
			13	21.29	-1.42	19.87	<=33.01	Pass
		25	0	21.33	-1.42	19.91	<=33.01	Pass
	2617.5	1	0	22.78	-1.42	21.36	<=33.01	Pass
			13	22.41	-1.42	20.99	<=33.01	Pass
			24	22.34	-1.42	20.92	<=33.01	Pass
		12	0	21.54	-1.42	20.12	<=33.01	Pass
			6	21.51	-1.42	20.09	<=33.01	Pass
			13	21.44	-1.42	20.02	<=33.01	Pass
		25	0	21.49	-1.42	20.07	<=33.01	Pass
64QAM	2572.5	1	0	21.20	-1.42	19.78	<=33.01	Pass
			13	21.88	-1.42	20.46	<=33.01	Pass
			24	21.21	-1.42	19.79	<=33.01	Pass
		12	0	20.37	-1.42	18.95	<=33.01	Pass
			6	20.58	-1.42	19.16	<=33.01	Pass
			13	20.57	-1.42	19.15	<=33.01	Pass
		25	0	20.43	-1.42	19.01	<=33.01	Pass

	2595	1	0	21.14	-1.42	19.72	<=33.01	Pass
			13	21.27	-1.42	19.85	<=33.01	Pass
			24	21.03	-1.42	19.61	<=33.01	Pass
		12	0	20.31	-1.42	18.89	<=33.01	Pass
			6	20.29	-1.42	18.87	<=33.01	Pass
			13	20.21	-1.42	18.79	<=33.01	Pass
		25	0	20.24	-1.42	18.82	<=33.01	Pass
	2617.5	1	0	21.57	-1.42	20.15	<=33.01	Pass
			13	21.55	-1.42	20.13	<=33.01	Pass
			24	21.00	-1.42	19.58	<=33.01	Pass
		12	0	20.55	-1.42	19.13	<=33.01	Pass
			6	20.45	-1.42	19.03	<=33.01	Pass
			13	20.35	-1.42	18.93	<=33.01	Pass
		25	0	20.46	-1.42	19.04	<=33.01	Pass
256QAM	2572.5	1	0	18.67	-1.42	17.25	<=33.01	Pass
			13	18.57	-1.42	17.15	<=33.01	Pass
			24	18.60	-1.42	17.18	<=33.01	Pass
		12	0	18.51	-1.42	17.09	<=33.01	Pass
			6	18.50	-1.42	17.08	<=33.01	Pass
			13	18.45	-1.42	17.03	<=33.01	Pass
		25	0	18.50	-1.42	17.08	<=33.01	Pass
	2595	1	0	18.41	-1.42	16.99	<=33.01	Pass
			13	18.24	-1.42	16.82	<=33.01	Pass
			24	18.12	-1.42	16.70	<=33.01	Pass
		12	0	18.41	-1.42	16.99	<=33.01	Pass
			6	18.13	-1.42	16.71	<=33.01	Pass
			13	18.20	-1.42	16.78	<=33.01	Pass
		25	0	18.22	-1.42	16.80	<=33.01	Pass
	2617.5	1	0	18.33	-1.42	16.91	<=33.01	Pass
			13	18.21	-1.42	16.79	<=33.01	Pass
			24	18.46	-1.42	17.04	<=33.01	Pass
		12	0	18.52	-1.42	17.10	<=33.01	Pass
			6	18.41	-1.42	16.99	<=33.01	Pass
			13	18.34	-1.42	16.92	<=33.01	Pass
		25	0	18.48	-1.42	17.06	<=33.01	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.1.2 B38_10MHz_EIRP

Band: 38 / Bandwidth: 10MHz / NTV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	2575	1	0	23.62	-1.42	22.20	<=33.01	Pass
			25	23.67	-1.42	22.25	<=33.01	Pass
			49	23.68	-1.42	22.26	<=33.01	Pass
		25	0	22.57	-1.42	21.15	<=33.01	Pass
			13	22.56	-1.42	21.14	<=33.01	Pass
			25	22.56	-1.42	21.14	<=33.01	Pass
		50	0	22.54	-1.42	21.12	<=33.01	Pass
	2595	1	0	23.52	-1.42	22.10	<=33.01	Pass
			25	23.39	-1.42	21.97	<=33.01	Pass
			49	23.14	-1.42	21.72	<=33.01	Pass
		25	0	22.47	-1.42	21.05	<=33.01	Pass
			13	22.37	-1.42	20.95	<=33.01	Pass
			25	22.32	-1.42	20.90	<=33.01	Pass
		50	0	22.42	-1.42	21.00	<=33.01	Pass
	2615	1	0	23.37	-1.42	21.95	<=33.01	Pass

		25	25	23.37	-1.42	21.95	<=33.01	Pass
			49	23.41	-1.42	21.99	<=33.01	Pass
			0	22.48	-1.42	21.06	<=33.01	Pass
			13	22.47	-1.42	21.05	<=33.01	Pass
			25	22.52	-1.42	21.10	<=33.01	Pass
		50	0	22.49	-1.42	21.07	<=33.01	Pass
16QAM	2575	1	0	22.72	-1.42	21.30	<=33.01	Pass
			25	22.83	-1.42	21.41	<=33.01	Pass
			49	22.76	-1.42	21.34	<=33.01	Pass
		25	0	21.55	-1.42	20.13	<=33.01	Pass
			13	21.58	-1.42	20.16	<=33.01	Pass
			25	21.55	-1.42	20.13	<=33.01	Pass
		50	0	21.48	-1.42	20.06	<=33.01	Pass
	2595	1	0	22.53	-1.42	21.11	<=33.01	Pass
			25	22.20	-1.42	20.78	<=33.01	Pass
			49	22.21	-1.42	20.79	<=33.01	Pass
		25	0	21.59	-1.42	20.17	<=33.01	Pass
			13	21.37	-1.42	19.95	<=33.01	Pass
			25	21.33	-1.42	19.91	<=33.01	Pass
		50	0	21.49	-1.42	20.07	<=33.01	Pass
	2615	1	0	22.16	-1.42	20.74	<=33.01	Pass
			25	22.28	-1.42	20.86	<=33.01	Pass
			49	22.31	-1.42	20.89	<=33.01	Pass
		25	0	21.44	-1.42	20.02	<=33.01	Pass
			13	21.49	-1.42	20.07	<=33.01	Pass
			25	21.43	-1.42	20.01	<=33.01	Pass
		50	0	21.39	-1.42	19.97	<=33.01	Pass
64QAM	2575	1	0	21.64	-1.42	20.22	<=33.01	Pass
			25	21.00	-1.42	19.58	<=33.01	Pass
			49	21.62	-1.42	20.20	<=33.01	Pass
		25	0	20.44	-1.42	19.02	<=33.01	Pass
			13	20.47	-1.42	19.05	<=33.01	Pass
			25	20.48	-1.42	19.06	<=33.01	Pass
		50	0	20.50	-1.42	19.08	<=33.01	Pass
	2595	1	0	22.01	-1.42	20.59	<=33.01	Pass
			25	21.48	-1.42	20.06	<=33.01	Pass
			49	21.48	-1.42	20.06	<=33.01	Pass
		25	0	20.53	-1.42	19.11	<=33.01	Pass
			13	20.33	-1.42	18.91	<=33.01	Pass
			25	20.34	-1.42	18.92	<=33.01	Pass
		50	0	20.46	-1.42	19.04	<=33.01	Pass
	2615	1	0	21.40	-1.42	19.98	<=33.01	Pass
			25	21.06	-1.42	19.64	<=33.01	Pass
			49	21.25	-1.42	19.83	<=33.01	Pass
		25	0	20.44	-1.42	19.02	<=33.01	Pass
			13	20.45	-1.42	19.03	<=33.01	Pass
			25	20.39	-1.42	18.97	<=33.01	Pass
		50	0	20.38	-1.42	18.96	<=33.01	Pass
256QAM	2575	1	0	18.39	-1.42	16.97	<=33.01	Pass
			25	18.51	-1.42	17.09	<=33.01	Pass
			49	18.41	-1.42	16.99	<=33.01	Pass
		25	0	18.51	-1.42	17.09	<=33.01	Pass
			13	18.48	-1.42	17.06	<=33.01	Pass
			25	18.47	-1.42	17.05	<=33.01	Pass
		50	0	18.52	-1.42	17.10	<=33.01	Pass
	2595	1	0	18.80	-1.42	17.38	<=33.01	Pass
			25	18.34	-1.42	16.92	<=33.01	Pass
			49	18.07	-1.42	16.65	<=33.01	Pass
		25	0	18.48	-1.42	17.06	<=33.01	Pass

			13	18.32	-1.42	16.90	<=33.01	Pass
			25	18.21	-1.42	16.79	<=33.01	Pass
		50	0	18.29	-1.42	16.87	<=33.01	Pass
	2615	1	0	18.13	-1.42	16.71	<=33.01	Pass
			25	18.45	-1.42	17.03	<=33.01	Pass
			49	17.98	-1.42	16.56	<=33.01	Pass
		25	0	18.39	-1.42	16.97	<=33.01	Pass
			13	18.45	-1.42	17.03	<=33.01	Pass
			25	18.43	-1.42	17.01	<=33.01	Pass
		50	0	18.39	-1.42	16.97	<=33.01	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.1.3 B38_15MHz_EIRP

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	23.70	-1.42	22.28	<=33.01	Pass
			38	23.71	-1.42	22.29	<=33.01	Pass
			74	23.54	-1.42	22.12	<=33.01	Pass
		36	0	22.56	-1.42	21.14	<=33.01	Pass
			18	22.57	-1.42	21.15	<=33.01	Pass
			39	22.49	-1.42	21.07	<=33.01	Pass
		75	0	22.53	-1.42	21.11	<=33.01	Pass
	2595	1	0	23.42	-1.42	22.00	<=33.01	Pass
			38	23.21	-1.42	21.79	<=33.01	Pass
			74	23.28	-1.42	21.86	<=33.01	Pass
		36	0	22.42	-1.42	21.00	<=33.01	Pass
			18	22.30	-1.42	20.88	<=33.01	Pass
			39	22.20	-1.42	20.78	<=33.01	Pass
		75	0	22.37	-1.42	20.95	<=33.01	Pass
	2612.5	1	0	23.20	-1.42	21.78	<=33.01	Pass
			38	23.56	-1.42	22.14	<=33.01	Pass
			74	23.47	-1.42	22.05	<=33.01	Pass
		36	0	22.38	-1.42	20.96	<=33.01	Pass
			18	22.35	-1.42	20.93	<=33.01	Pass
			39	22.39	-1.42	20.97	<=33.01	Pass
		75	0	22.34	-1.42	20.92	<=33.01	Pass
16QAM	2577.5	1	0	22.91	-1.42	21.49	<=33.01	Pass
			38	22.70	-1.42	21.28	<=33.01	Pass
			74	22.27	-1.42	20.85	<=33.01	Pass
		36	0	21.55	-1.42	20.13	<=33.01	Pass
			18	21.57	-1.42	20.15	<=33.01	Pass
			39	21.50	-1.42	20.08	<=33.01	Pass
		75	0	21.56	-1.42	20.14	<=33.01	Pass
	2595	1	0	22.37	-1.42	20.95	<=33.01	Pass
			38	22.31	-1.42	20.89	<=33.01	Pass
			74	22.16	-1.42	20.74	<=33.01	Pass
		36	0	21.45	-1.42	20.03	<=33.01	Pass
			18	21.33	-1.42	19.91	<=33.01	Pass
			39	21.25	-1.42	19.83	<=33.01	Pass
		75	0	21.34	-1.42	19.92	<=33.01	Pass
	2612.5	1	0	22.68	-1.42	21.26	<=33.01	Pass
			38	22.14	-1.42	20.72	<=33.01	Pass
			74	22.23	-1.42	20.81	<=33.01	Pass
		36	0	21.36	-1.42	19.94	<=33.01	Pass
			18	21.37	-1.42	19.95	<=33.01	Pass

			39	21.44	-1.42	20.02	<=33.01	Pass		
		75	0	21.34	-1.42	19.92	<=33.01	Pass		
64QAM	2577.5	1	0	21.66	-1.42	20.24	<=33.01	Pass		
			38	21.75	-1.42	20.33	<=33.01	Pass		
			74	21.54	-1.42	20.12	<=33.01	Pass		
			0	20.59	-1.42	19.17	<=33.01	Pass		
		36	18	20.57	-1.42	19.15	<=33.01	Pass		
			39	20.48	-1.42	19.06	<=33.01	Pass		
			75	0	20.57	-1.42	19.15	<=33.01	Pass	
		2595	1	0	21.22	-1.42	19.80	<=33.01	Pass	
				38	21.60	-1.42	20.18	<=33.01	Pass	
				74	21.02	-1.42	19.60	<=33.01	Pass	
	0			20.45	-1.42	19.03	<=33.01	Pass		
	36		18	20.30	-1.42	18.88	<=33.01	Pass		
			39	20.20	-1.42	18.78	<=33.01	Pass		
			75	0	20.38	-1.42	18.96	<=33.01	Pass	
	2612.5		1	0	20.99	-1.42	19.57	<=33.01	Pass	
				38	21.55	-1.42	20.13	<=33.01	Pass	
				74	21.48	-1.42	20.06	<=33.01	Pass	
		0		20.38	-1.42	18.96	<=33.01	Pass		
		36	18	20.40	-1.42	18.98	<=33.01	Pass		
			39	20.36	-1.42	18.94	<=33.01	Pass		
			75	0	20.35	-1.42	18.93	<=33.01	Pass	
		256QAM	2577.5	1	0	18.54	-1.42	17.12	<=33.01	Pass
					38	18.49	-1.42	17.07	<=33.01	Pass
74	18.46				-1.42	17.04	<=33.01	Pass		
36	0			18.53	-1.42	17.11	<=33.01	Pass		
	18			18.54	-1.42	17.12	<=33.01	Pass		
	39			18.50	-1.42	17.08	<=33.01	Pass		
75	0			18.52	-1.42	17.10	<=33.01	Pass		
2595	1		0	18.29	-1.42	16.87	<=33.01	Pass		
			38	18.08	-1.42	16.66	<=33.01	Pass		
			74	18.41	-1.42	16.99	<=33.01	Pass		
			0	18.40	-1.42	16.98	<=33.01	Pass		
	36		18	18.21	-1.42	16.79	<=33.01	Pass		
			39	18.19	-1.42	16.77	<=33.01	Pass		
	75		0	18.29	-1.42	16.87	<=33.01	Pass		
2612.5	1		0	18.18	-1.42	16.76	<=33.01	Pass		
			38	18.52	-1.42	17.10	<=33.01	Pass		
			74	18.44	-1.42	17.02	<=33.01	Pass		
	36		0	18.33	-1.42	16.91	<=33.01	Pass		
			18	18.29	-1.42	16.87	<=33.01	Pass		
			39	18.40	-1.42	16.98	<=33.01	Pass		
	75		0	18.34	-1.42	16.92	<=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	23.72	-1.42	22.30	<=33.01	Pass
			50	23.74	-1.42	22.32	<=33.01	Pass
			99	23.55	-1.42	22.13	<=33.01	Pass
		50	0	22.58	-1.42	21.16	<=33.01	Pass
			25	22.61	-1.42	21.19	<=33.01	Pass
			50	22.55	-1.42	21.13	<=33.01	Pass

		100	0	22.54	-1.42	21.12	<=33.01	Pass
		2595	1	0	23.38	-1.42	21.96	<=33.01
				50	23.32	-1.42	21.90	<=33.01
				99	23.38	-1.42	21.96	<=33.01
				0	22.56	-1.42	21.14	<=33.01
		50		25	22.50	-1.42	21.08	<=33.01
				50	22.32	-1.42	20.90	<=33.01
				0	22.44	-1.42	21.02	<=33.01
		100		0	22.44	-1.42	21.02	<=33.01
		2610	1	0	23.18	-1.42	21.76	<=33.01
				50	23.44	-1.42	22.02	<=33.01
				99	23.42	-1.42	22.00	<=33.01
			50	0	22.43	-1.42	21.01	<=33.01
				25	22.42	-1.42	21.00	<=33.01
				50	22.49	-1.42	21.07	<=33.01
			100	0	22.44	-1.42	21.02	<=33.01
				0	22.58	-1.42	21.16	<=33.01
16QAM	2580	1		50	22.78	-1.42	21.36	<=33.01
				99	22.76	-1.42	21.34	<=33.01
				0	21.59	-1.42	20.17	<=33.01
		50		25	21.56	-1.42	20.14	<=33.01
				50	21.52	-1.42	20.10	<=33.01
				0	21.53	-1.42	20.11	<=33.01
		100		0	21.53	-1.42	20.11	<=33.01
	2595	1		0	22.58	-1.42	21.16	<=33.01
				50	22.13	-1.42	20.71	<=33.01
				99	22.09	-1.42	20.67	<=33.01
		50		0	21.60	-1.42	20.18	<=33.01
				25	21.44	-1.42	20.02	<=33.01
				50	21.25	-1.42	19.83	<=33.01
		100		0	21.38	-1.42	19.96	<=33.01
	2610	1		0	22.38	-1.42	20.96	<=33.01
				50	22.31	-1.42	20.89	<=33.01
				99	22.39	-1.42	20.97	<=33.01
		50		0	21.36	-1.42	19.94	<=33.01
				25	21.37	-1.42	19.95	<=33.01
				50	21.43	-1.42	20.01	<=33.01
		100		0	21.42	-1.42	20.00	<=33.01
64QAM	2580	1		0	21.66	-1.42	20.24	<=33.01
				50	21.91	-1.42	20.49	<=33.01
				99	21.19	-1.42	19.77	<=33.01
		50		0	20.61	-1.42	19.19	<=33.01
				25	20.53	-1.42	19.11	<=33.01
				50	20.45	-1.42	19.03	<=33.01
		100		0	20.45	-1.42	19.03	<=33.01
	2595	1		0	21.59	-1.42	20.17	<=33.01
				50	21.21	-1.42	19.79	<=33.01
				99	21.03	-1.42	19.61	<=33.01
		50		0	20.47	-1.42	19.05	<=33.01
				25	20.37	-1.42	18.95	<=33.01
				50	20.26	-1.42	18.84	<=33.01
		100		0	20.38	-1.42	18.96	<=33.01
	2610	1		0	21.10	-1.42	19.68	<=33.01
				50	21.53	-1.42	20.11	<=33.01
				99	21.04	-1.42	19.62	<=33.01
		50		0	20.44	-1.42	19.02	<=33.01
				25	20.39	-1.42	18.97	<=33.01
				50	20.45	-1.42	19.03	<=33.01
		100		0	20.42	-1.42	19.00	<=33.01
256QAM	2580	1		0	18.58	-1.42	17.16	<=33.01
				50	18.62	-1.42	17.20	<=33.01

		50	99	18.78	-1.42	17.36	<=33.01	Pass
			0	18.51	-1.42	17.09	<=33.01	Pass
			25	18.49	-1.42	17.07	<=33.01	Pass
			50	18.47	-1.42	17.05	<=33.01	Pass
		100	0	18.47	-1.42	17.05	<=33.01	Pass
	2595	1	0	18.80	-1.42	17.38	<=33.01	Pass
			50	18.22	-1.42	16.80	<=33.01	Pass
			99	18.19	-1.42	16.77	<=33.01	Pass
		50	0	18.53	-1.42	17.11	<=33.01	Pass
			25	18.37	-1.42	16.95	<=33.01	Pass
			50	18.26	-1.42	16.84	<=33.01	Pass
		100	0	18.44	-1.42	17.02	<=33.01	Pass
		2610	1	0	17.94	-1.42	16.52	<=33.01
	50			18.33	-1.42	16.91	<=33.01	Pass
	99			18.62	-1.42	17.20	<=33.01	Pass
	50		0	18.35	-1.42	16.93	<=33.01	Pass
			25	18.35	-1.42	16.93	<=33.01	Pass
			50	18.40	-1.42	16.98	<=33.01	Pass
	100		0	18.33	-1.42	16.91	<=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	-46.425	-0.0179	-2.5 to 2.5	Pass
					NV	-0.287	-0.0001	-2.5 to 2.5	Pass
					HV	-1.628	-0.0006	-2.5 to 2.5	Pass
				-30	NV	2.386	0.0009	-2.5 to 2.5	Pass
				-20	NV	-0.074	0.0000	-2.5 to 2.5	Pass
				-10	NV	-3.518	-0.0014	-2.5 to 2.5	Pass
				0	NV	-4.589	-0.0018	-2.5 to 2.5	Pass
				10	NV	0.538	0.0002	-2.5 to 2.5	Pass
				30	NV	2.171	0.0008	-2.5 to 2.5	Pass
				40	NV	1.228	0.0005	-2.5 to 2.5	Pass
				50	NV	3.653	0.0014	-2.5 to 2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 Band38_OBW

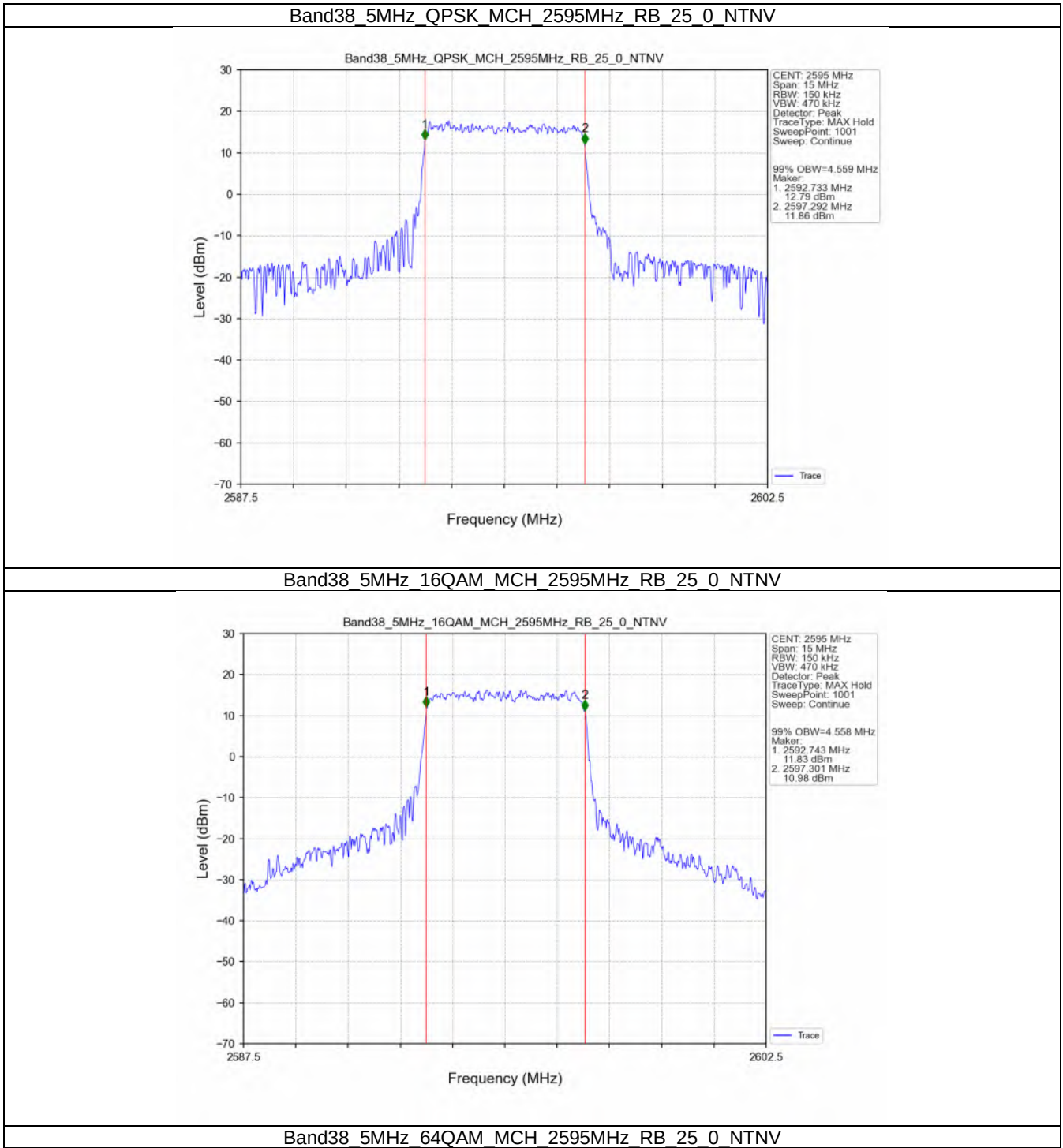
Band: 38 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2595	25	0	4.559	/	Pass
	16QAM	2595	25	0	4.558	/	Pass
	64QAM	2595	25	0	4.578	/	Pass
	256QAM	2595	25	0	4.556	/	Pass
10	QPSK	2595	50	0	9.087	/	Pass
	16QAM	2595	50	0	9.095	/	Pass
	64QAM	2595	50	0	9.095	/	Pass
	256QAM	2595	50	0	9.069	/	Pass
15	QPSK	2595	75	0	13.613	/	Pass
	16QAM	2595	75	0	13.635	/	Pass
	64QAM	2595	75	0	13.567	/	Pass
	256QAM	2595	75	0	13.609	/	Pass
20	QPSK	2595	100	0	18.194	/	Pass
	16QAM	2595	100	0	18.106	/	Pass
	64QAM	2595	100	0	18.147	/	Pass
	256QAM	2595	100	0	18.218	/	Pass

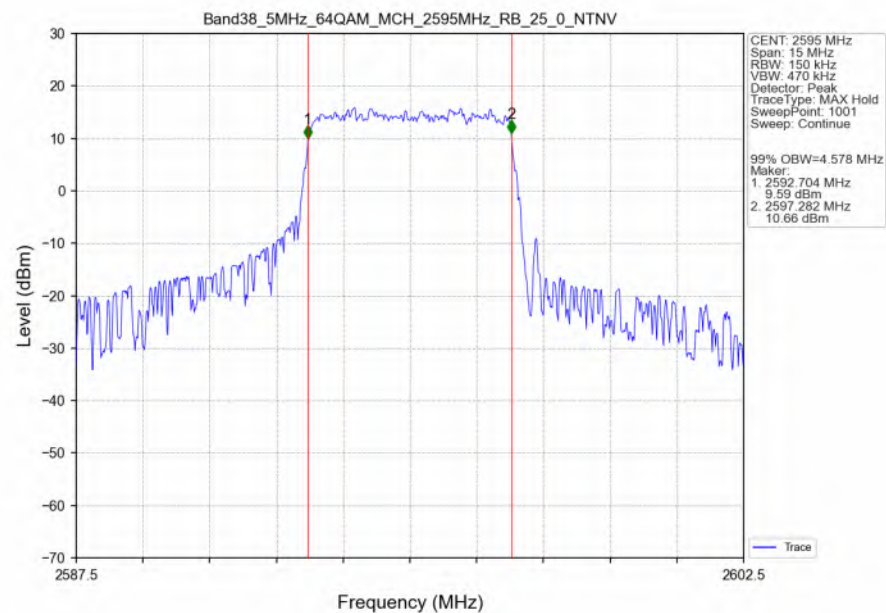
3.1.2 Band38_XDB

Band: 38 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2595	25	0	5.751	/	Pass
	16QAM	2595	25	0	5.153	/	Pass
	64QAM	2595	25	0	5.928	/	Pass
	256QAM	2595	25	0	5.494	/	Pass
10	QPSK	2595	50	0	9.989	/	Pass
	16QAM	2595	50	0	10.204	/	Pass
	64QAM	2595	50	0	11.471	/	Pass
	256QAM	2595	50	0	10.598	/	Pass
15	QPSK	2595	75	0	16.131	/	Pass
	16QAM	2595	75	0	16.114	/	Pass
	64QAM	2595	75	0	22.369	/	Pass
	256QAM	2595	75	0	16.357	/	Pass
20	QPSK	2595	100	0	25.884	/	Pass
	16QAM	2595	100	0	24.392	/	Pass
	64QAM	2595	100	0	25.698	/	Pass
	256QAM	2595	100	0	25.301	/	Pass

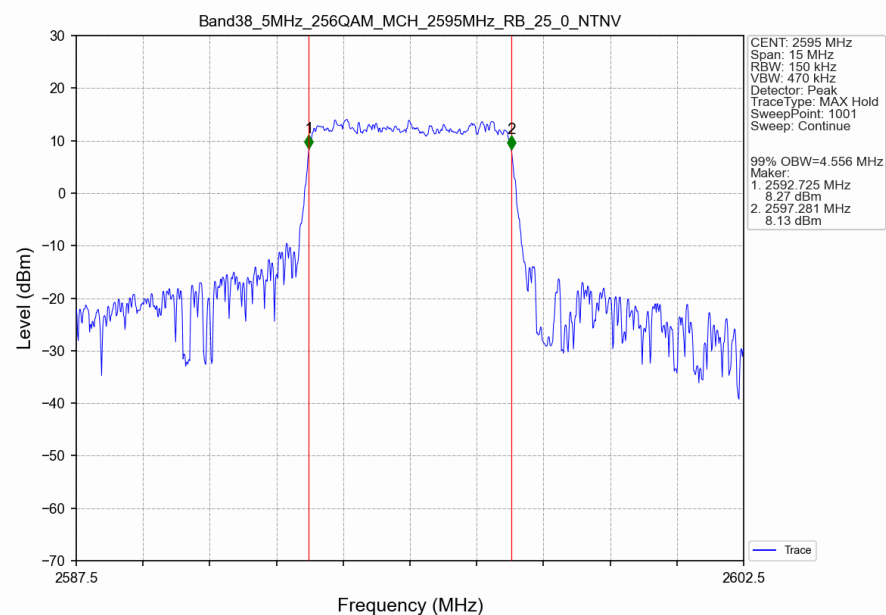
3.2 Test Graph

3.2.1 Band38_OBW

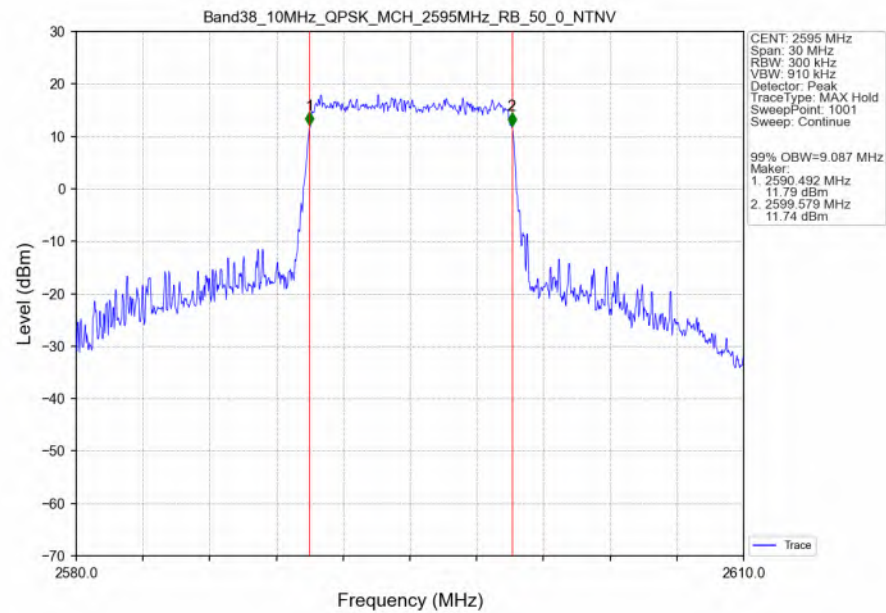




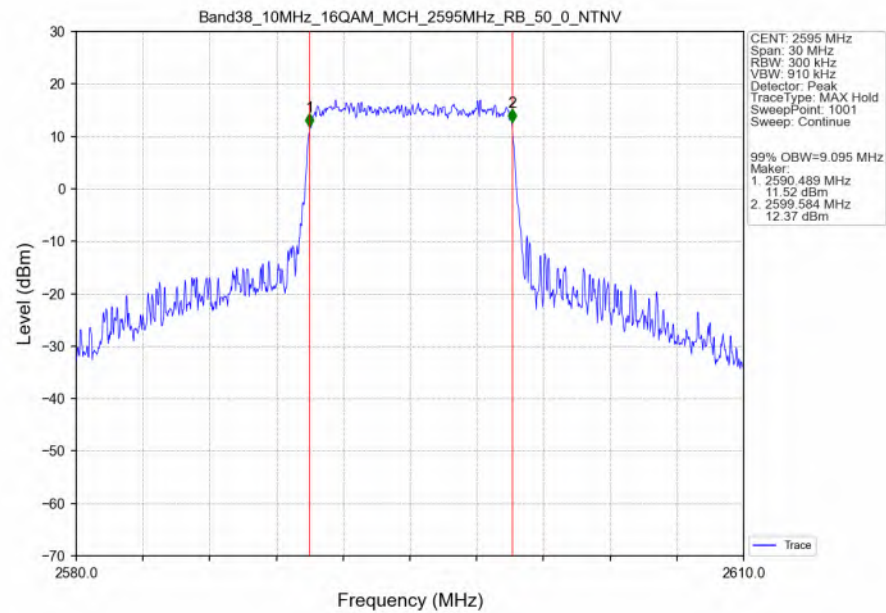
Band38 5MHz 256QAM MCH 2595MHz RB 25 0 NTN



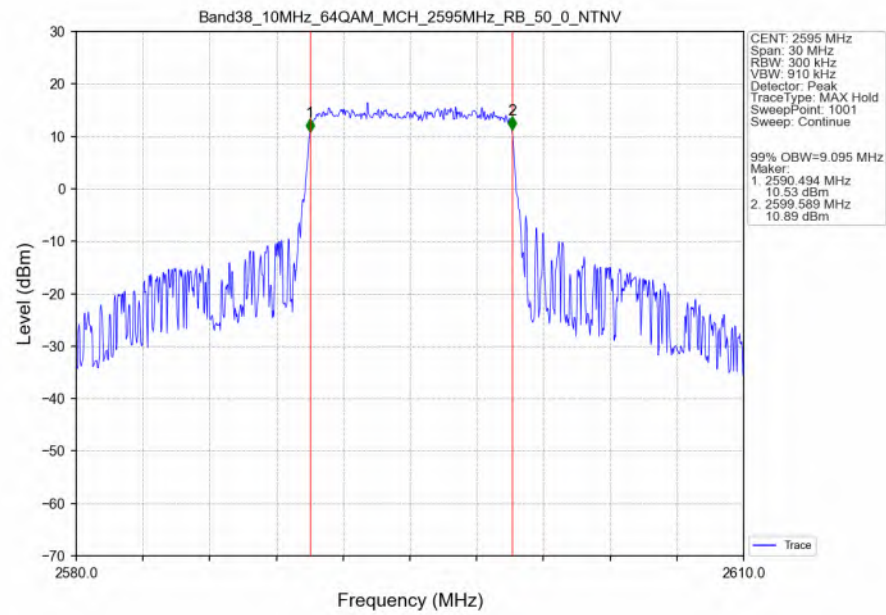
Band38_10MHz_QPSK_MCH_2595MHz_RB_50_0_NTNV



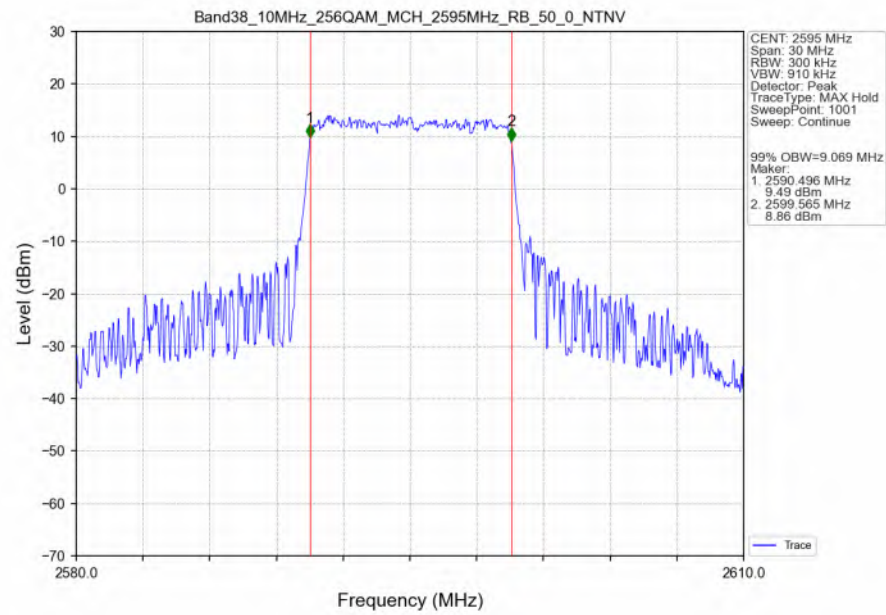
Band38_10MHz_16QAM_MCH_2595MHz_RB_50_0_NTNV



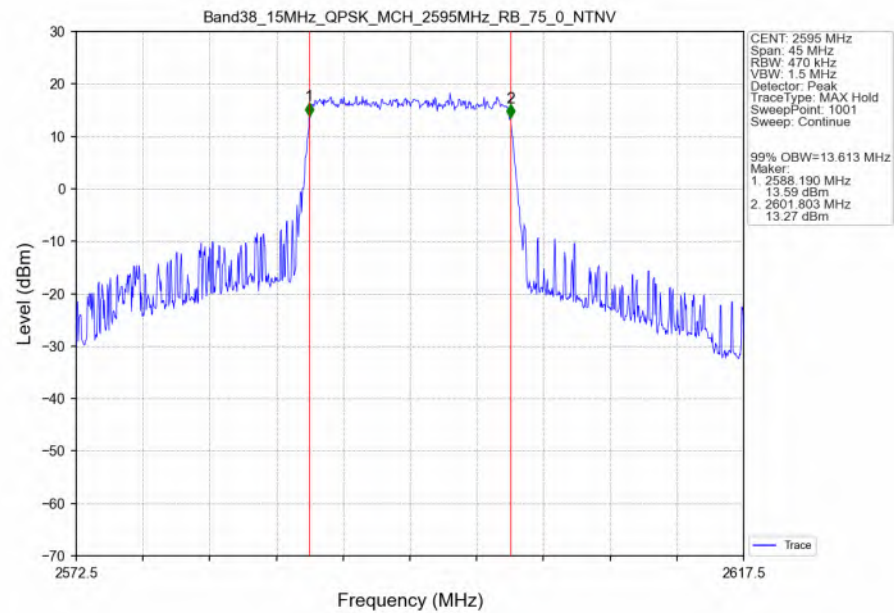
Band38_10MHz_64QAM_MCH_2595MHz_RB_50_0_NTNV



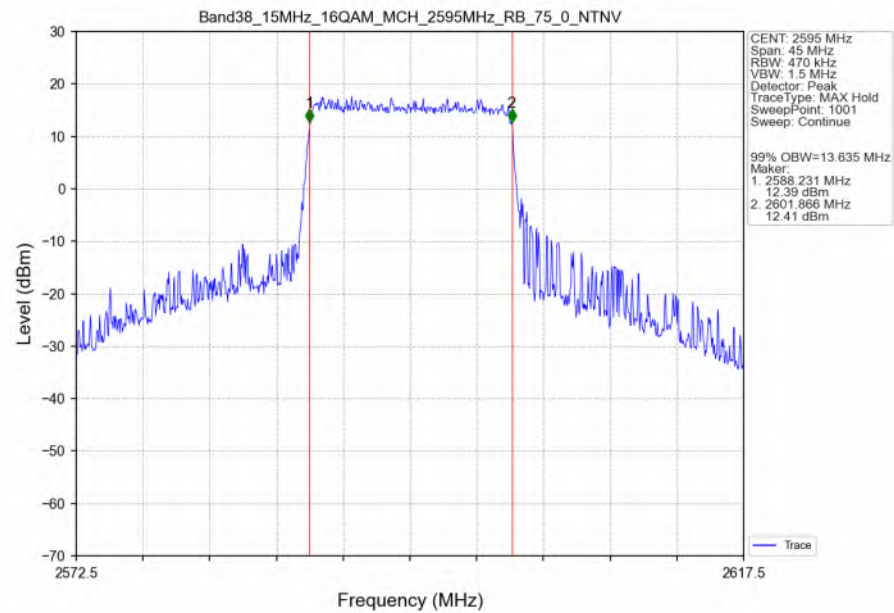
Band38_10MHz_256QAM_MCH_2595MHz_RB_50_0_NTNV



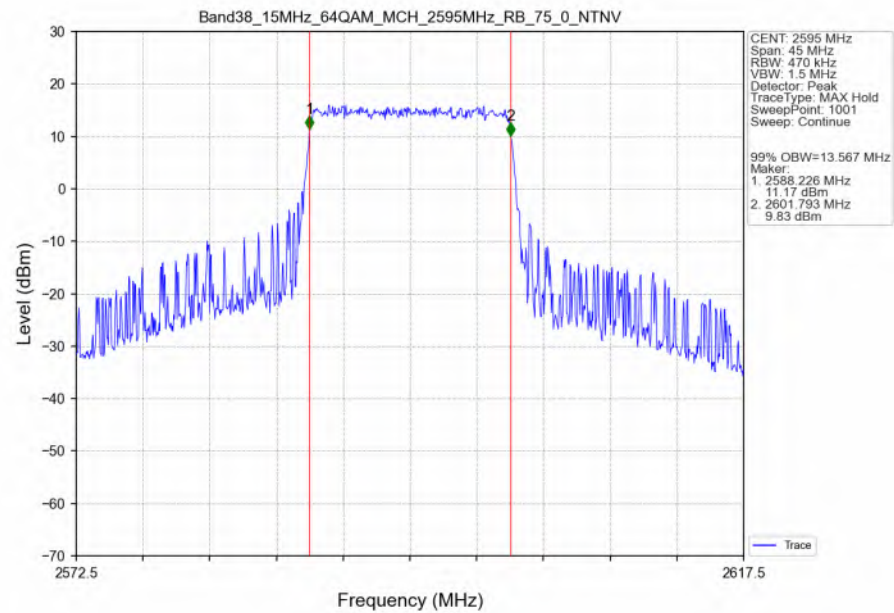
Band38_15MHz_QPSK_MCH_2595MHz_RB_75_0_NTNV



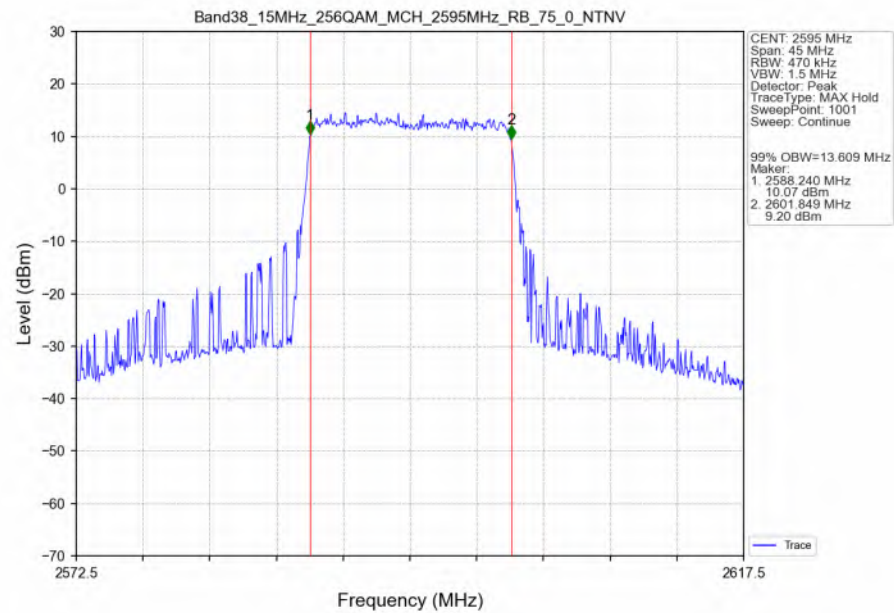
Band38_15MHz_16QAM_MCH_2595MHz_RB_75_0_NTNV



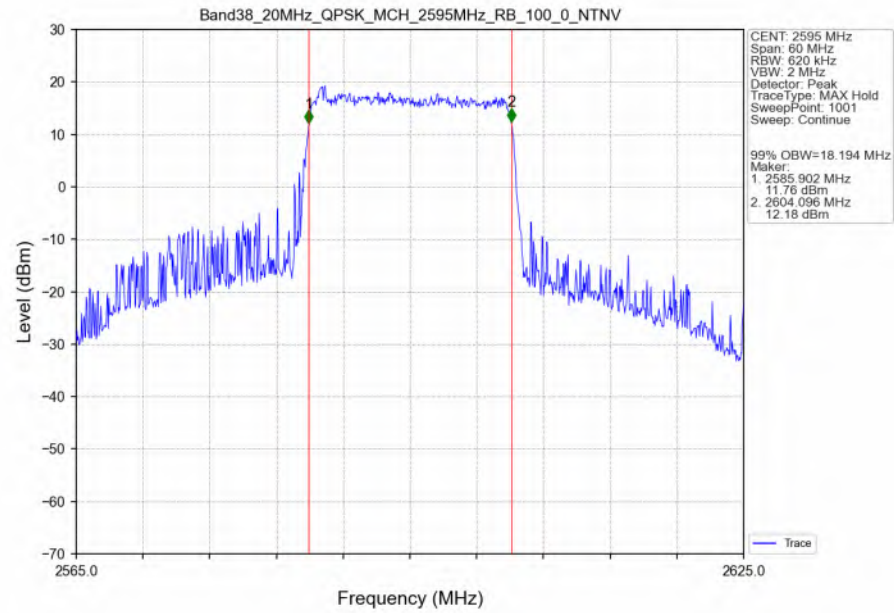
Band38_15MHz_64QAM_MCH_2595MHz_RB_75_0_NTNV



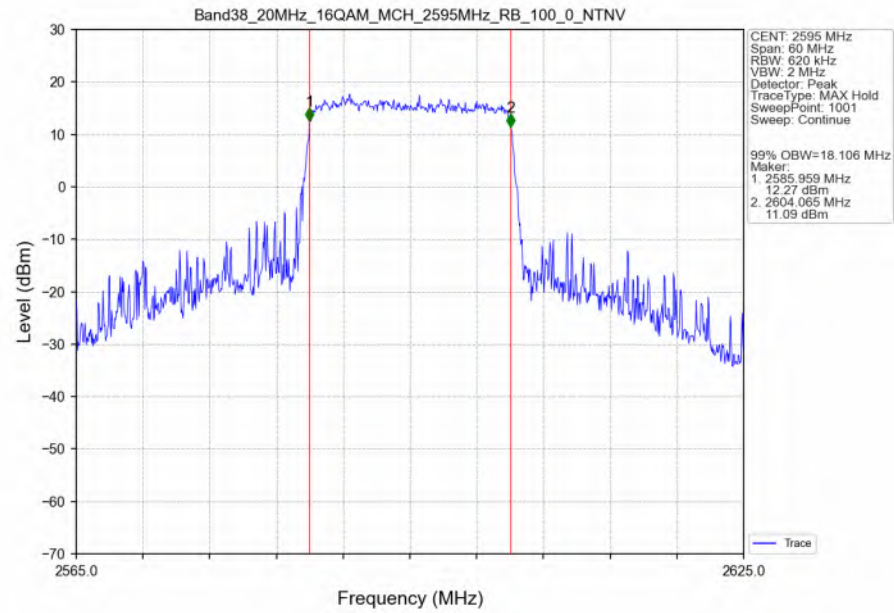
Band38_15MHz_256QAM_MCH_2595MHz_RB_75_0_NTNV



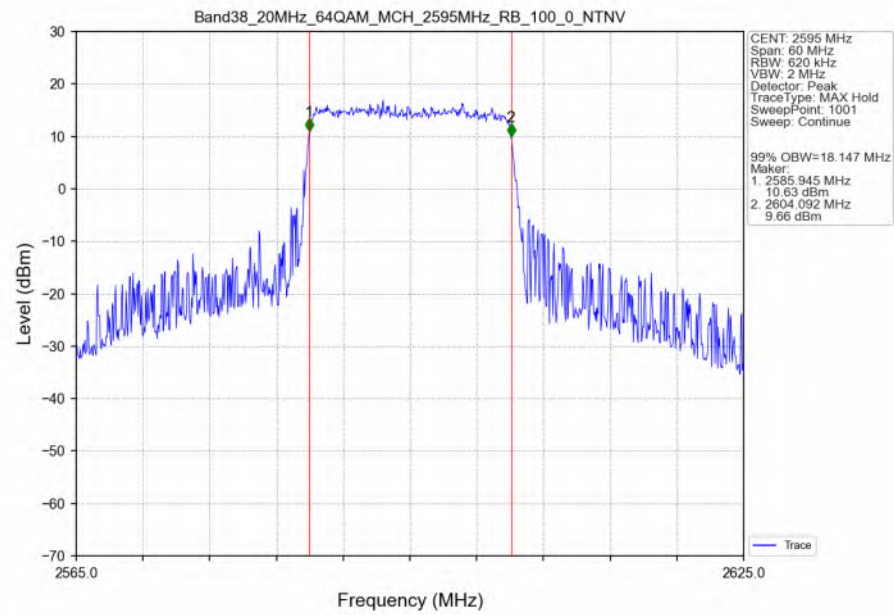
Band38_20MHz_QPSK_MCH_2595MHz_RB_100_0_NTNV



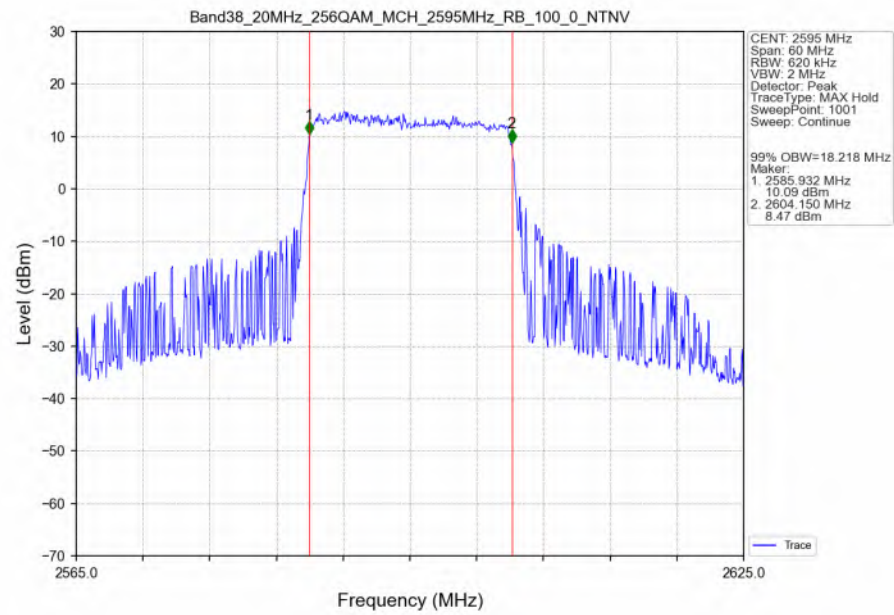
Band38_20MHz_16QAM_MCH_2595MHz_RB_100_0_NTNV



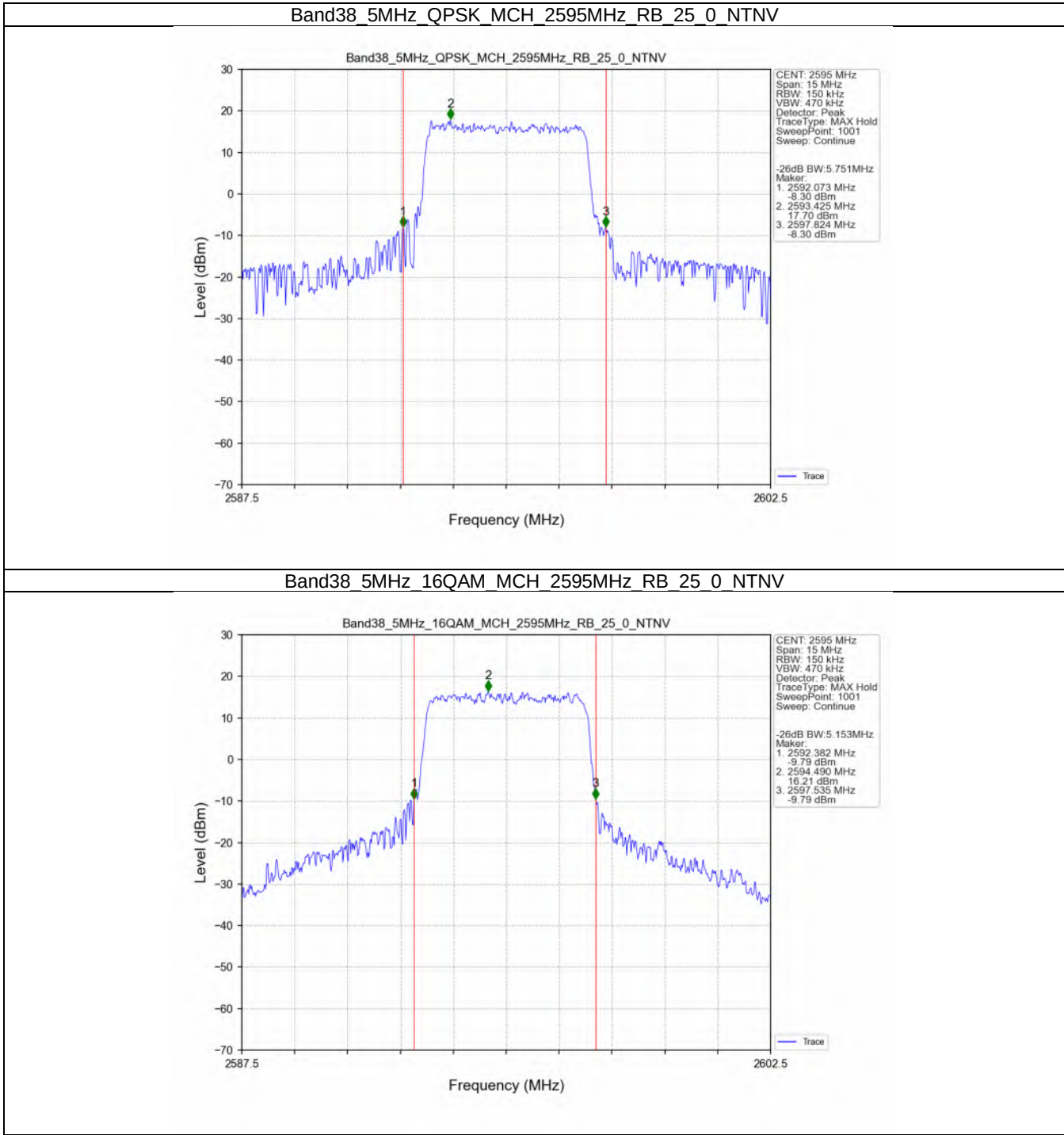
Band38_20MHz_64QAM_MCH_2595MHz_RB_100_0_NTNV



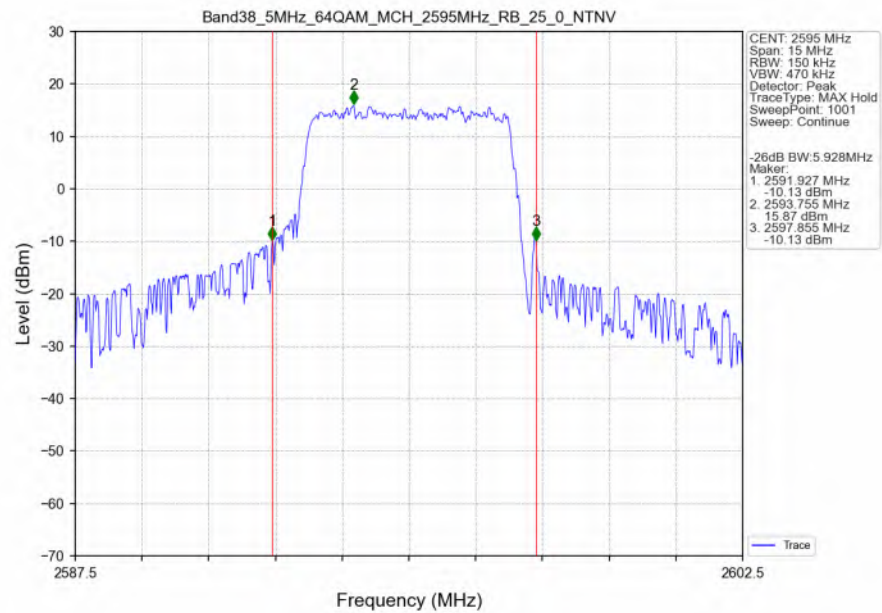
Band38_20MHz_256QAM_MCH_2595MHz_RB_100_0_NTNV



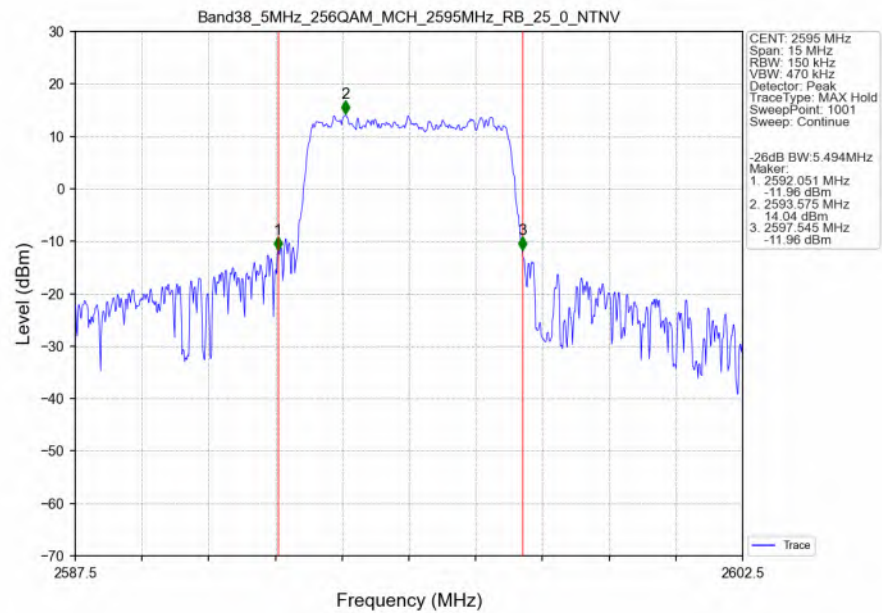
3.2.2 Band38_XDB



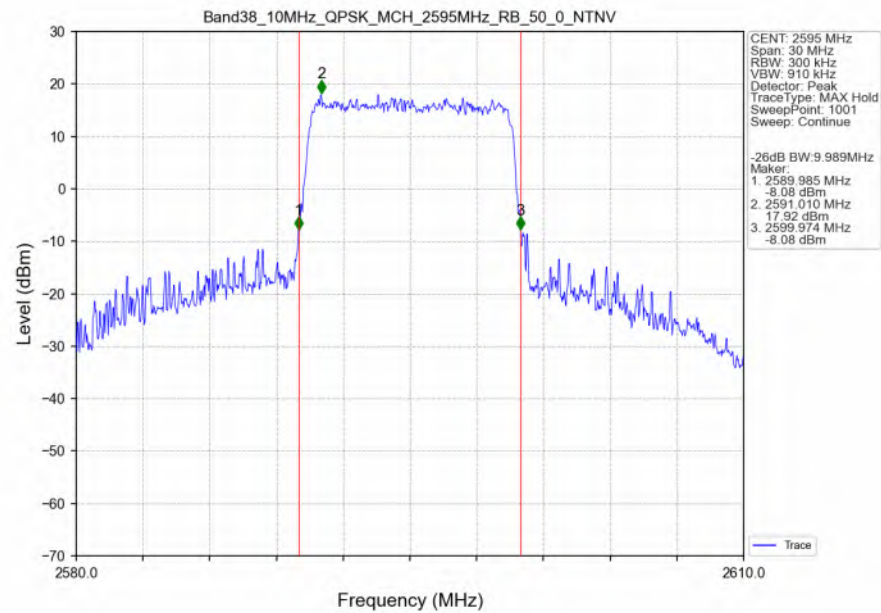
Band38_5MHz_64QAM_MCH_2595MHz_RB_25_0_NTNV



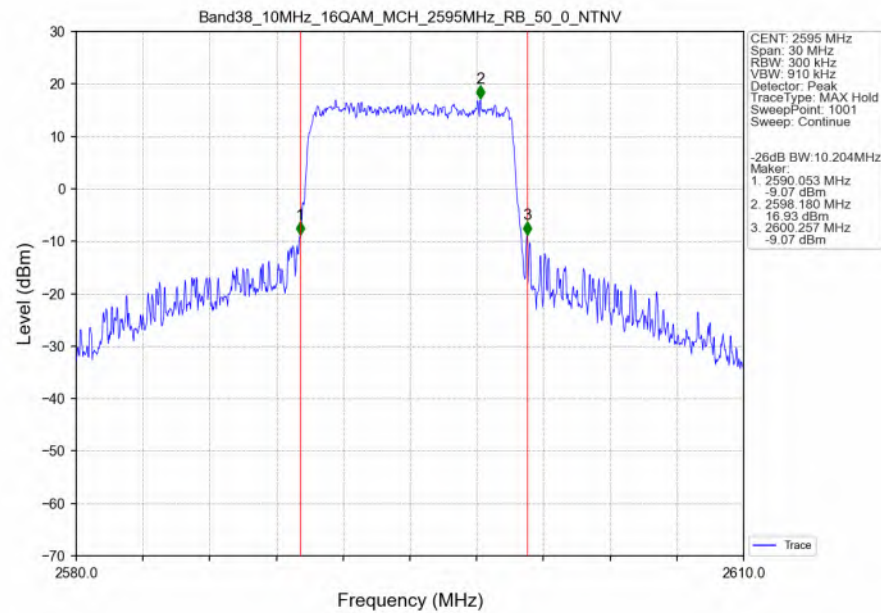
Band38_5MHz_256QAM_MCH_2595MHz_RB_25_0_NTNV



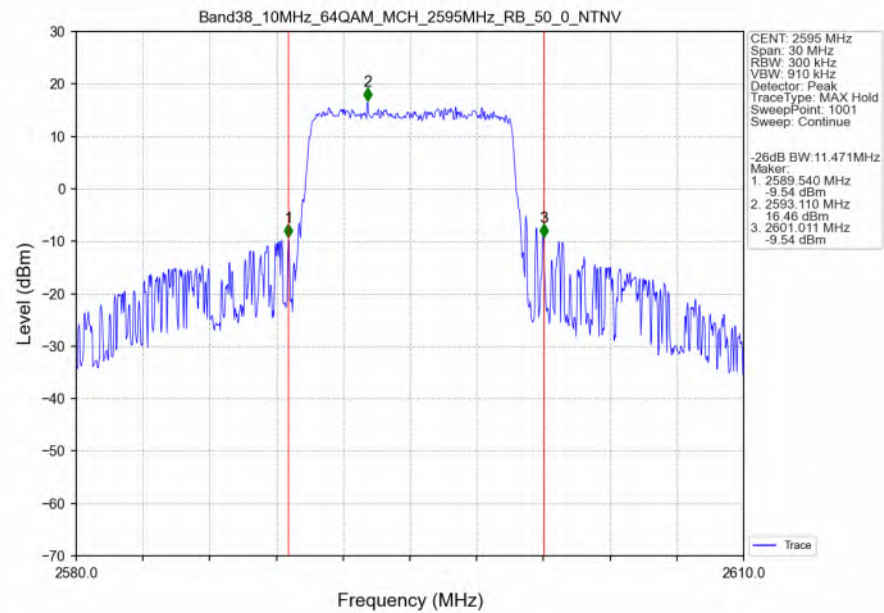
Band38_10MHz_QPSK_MCH_2595MHz_RB_50_0_NTNV



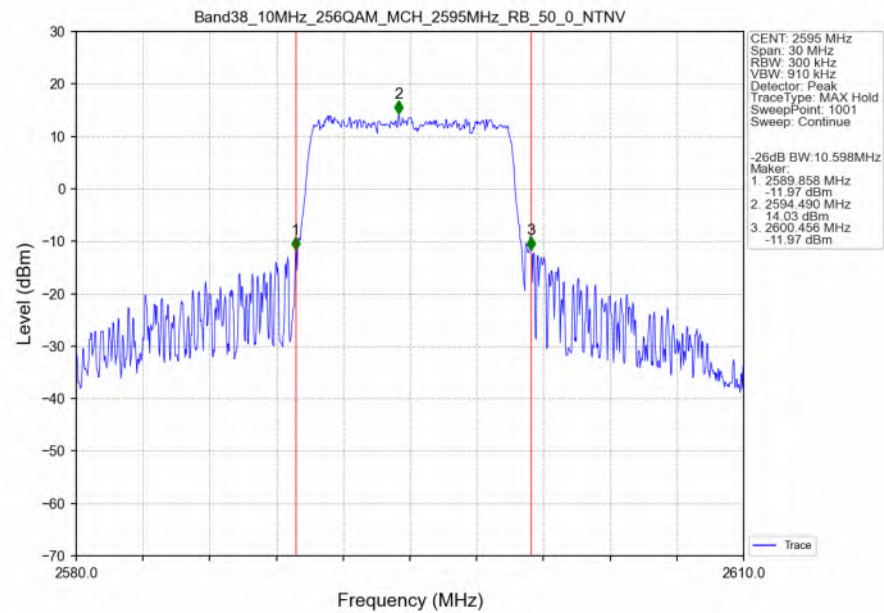
Band38_10MHz_16QAM_MCH_2595MHz_RB_50_0_NTNV



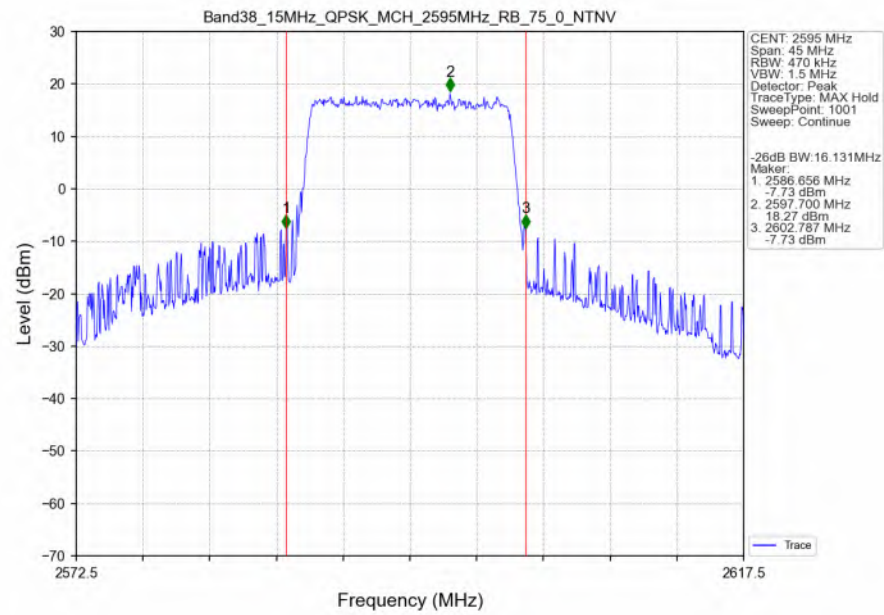
Band38_10MHz_64QAM_MCH_2595MHz_RB_50_0_NTNV



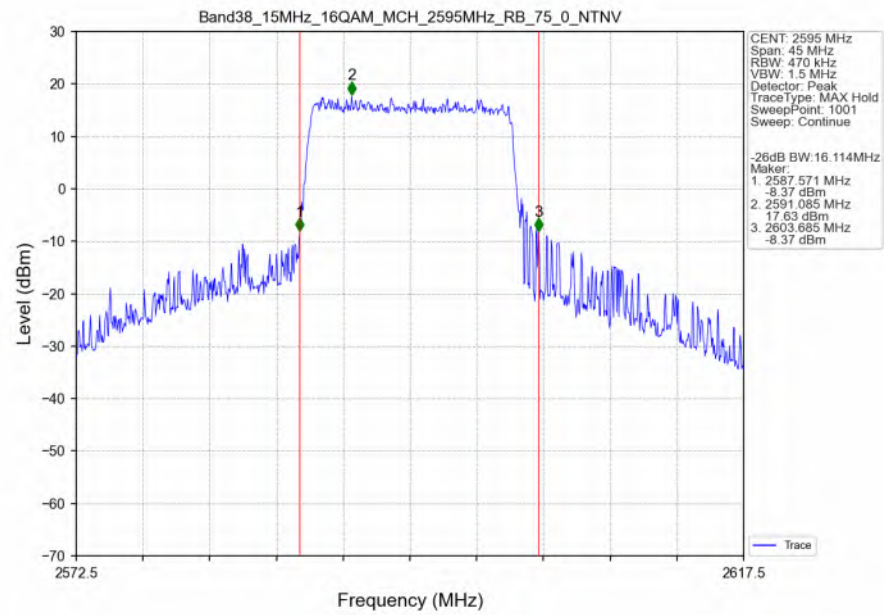
Band38_10MHz_256QAM_MCH_2595MHz_RB_50_0_NTNV



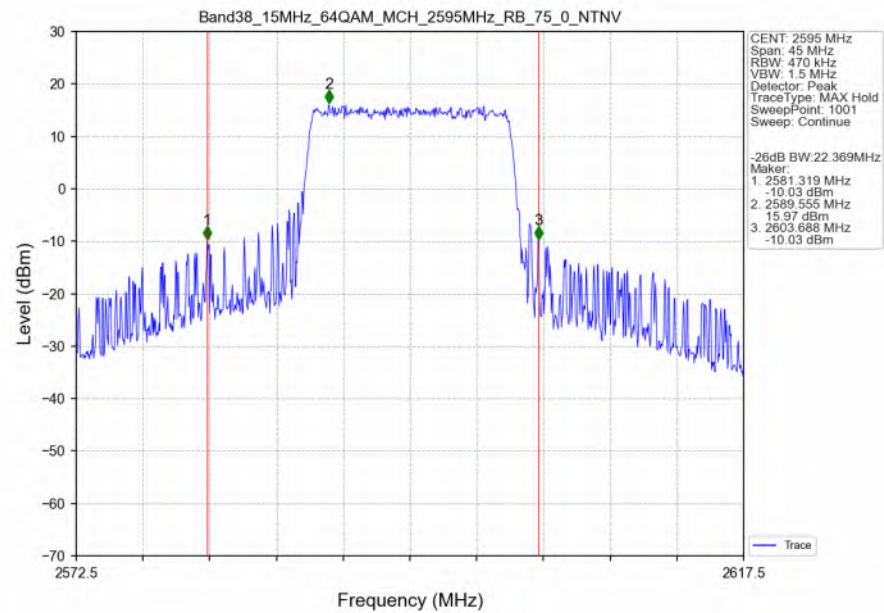
Band38_15MHz_QPSK_MCH_2595MHz_RB_75_0_NTNV



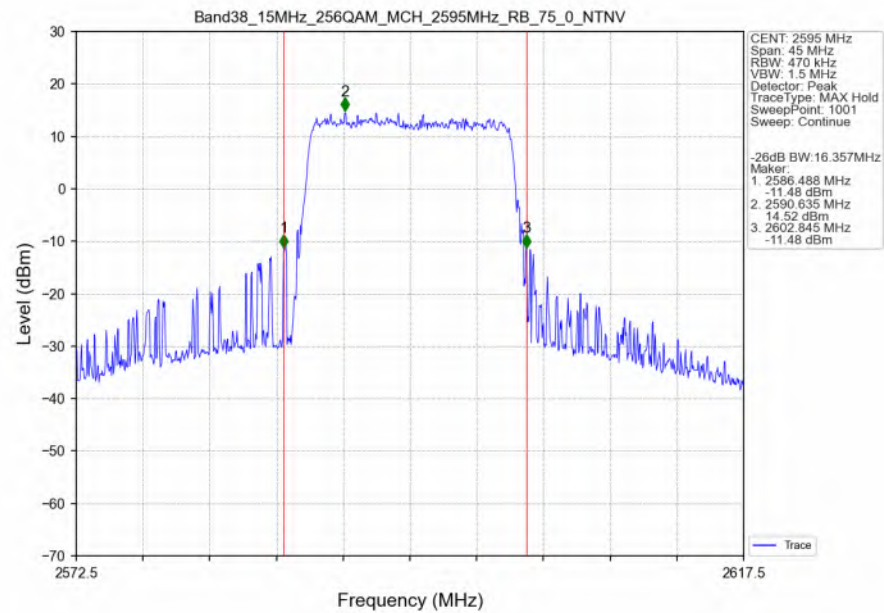
Band38_15MHz_16QAM_MCH_2595MHz_RB_75_0_NTNV



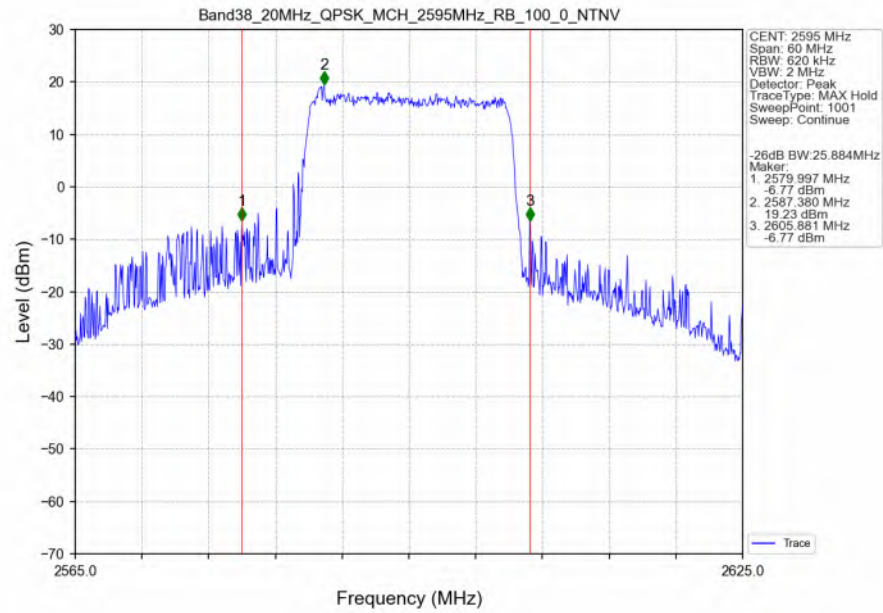
Band38_15MHz_64QAM_MCH_2595MHz_RB_75_0_NTNV



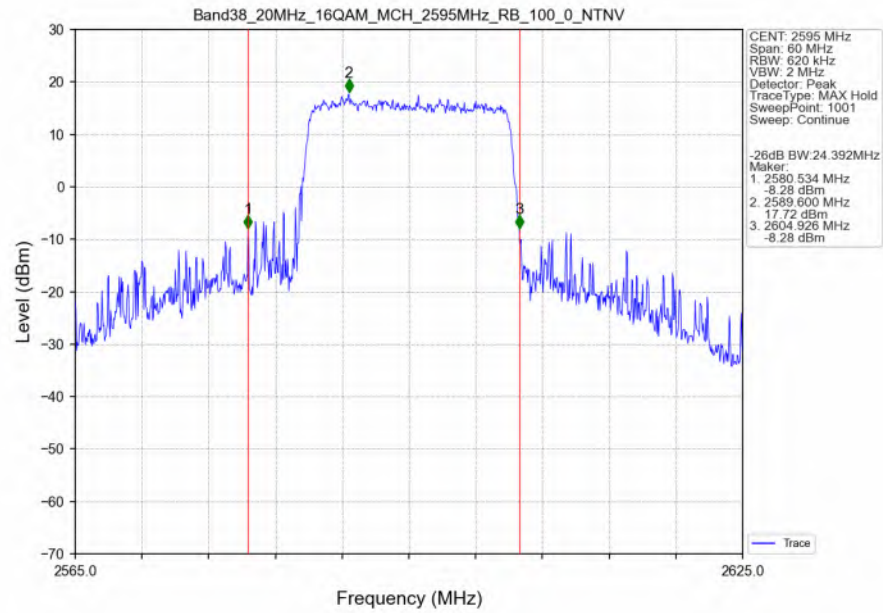
Band38_15MHz_256QAM_MCH_2595MHz_RB_75_0_NTNV



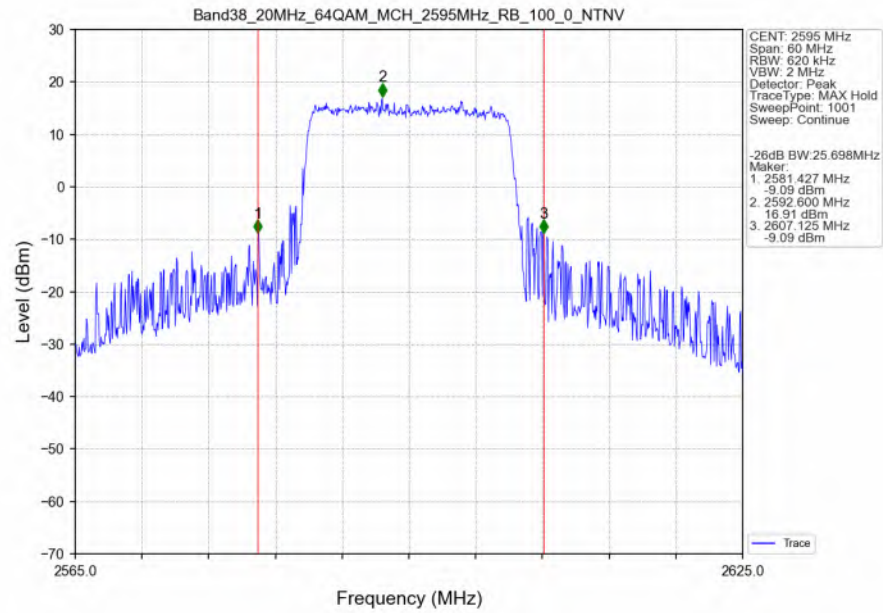
Band38_20MHz_QPSK_MCH_2595MHz_RB_100_0_NTNV



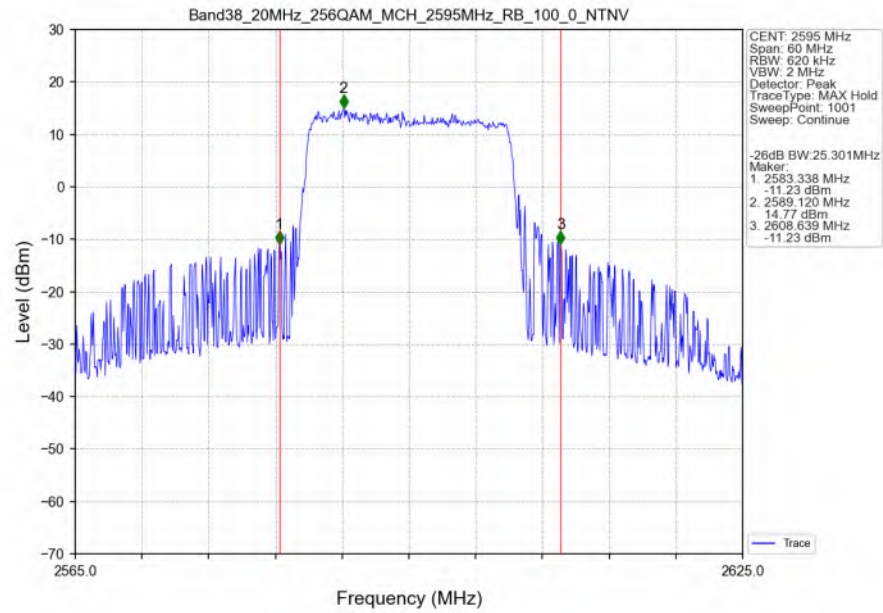
Band38_20MHz_16QAM_MCH_2595MHz_RB_100_0_NTNV



Band38_20MHz_64QAM_MCH_2595MHz_RB_100_0_NTNV



Band38_20MHz_256QAM_MCH_2595MHz_RB_100_0_NTNV



4. Peak-Average Ratio

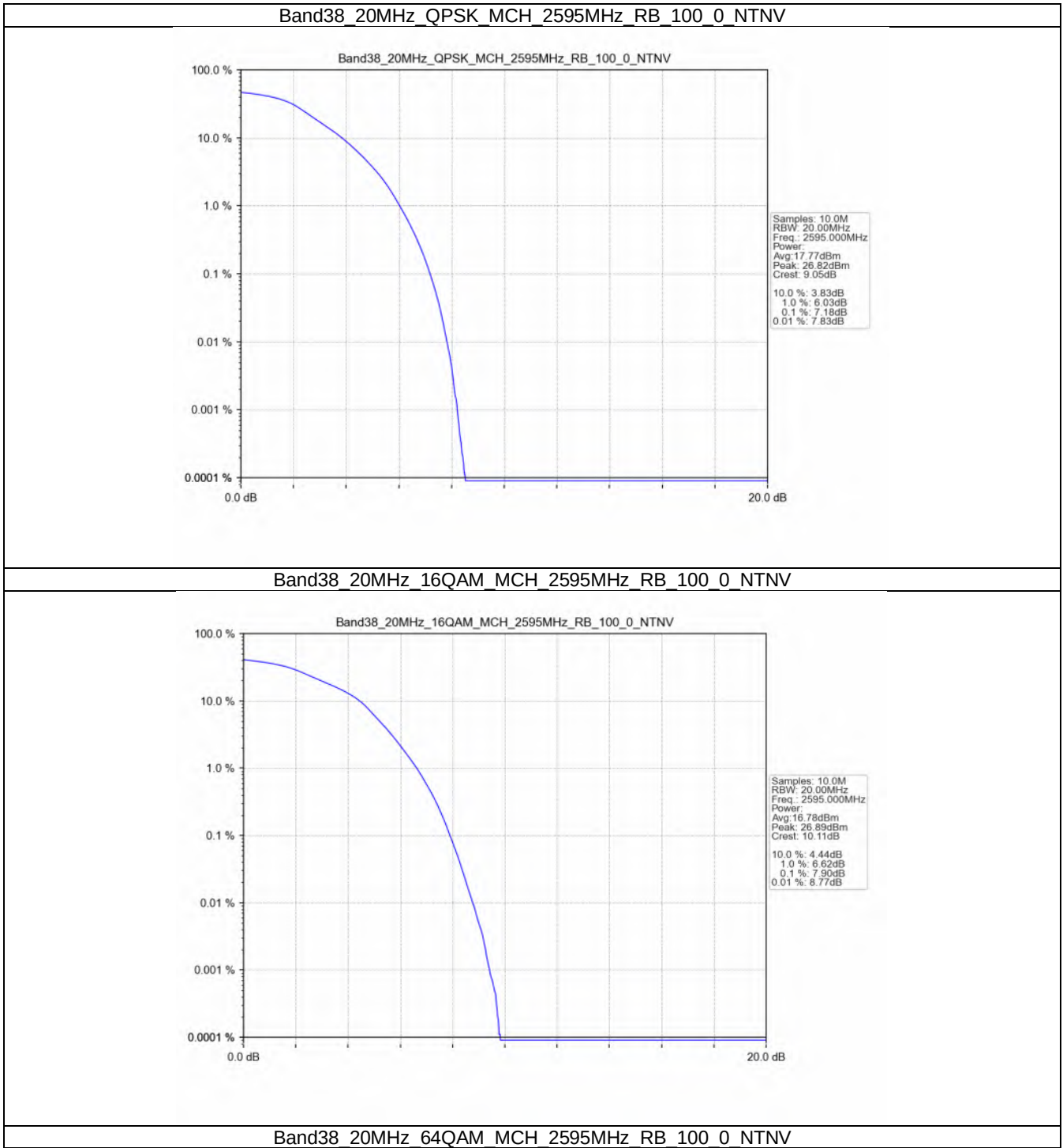
4.1 Test Result

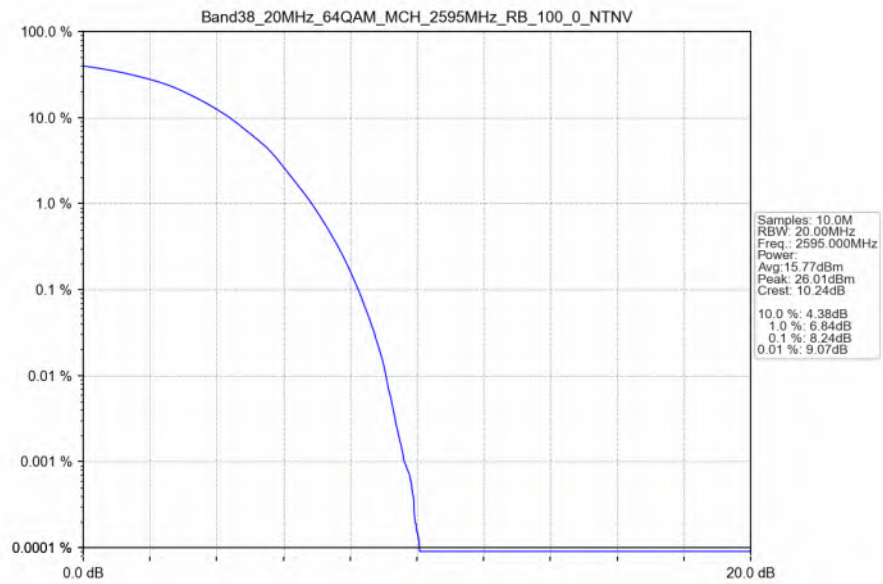
4.1.1 B38_20MHz

Band: 38 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2595	100	0	7.18	<=13	Pass
16QAM	2595	100	0	7.90	<=13	Pass
64QAM	2595	100	0	8.24	<=13	Pass
256QAM	2595	100	0	8.55	<=13	Pass

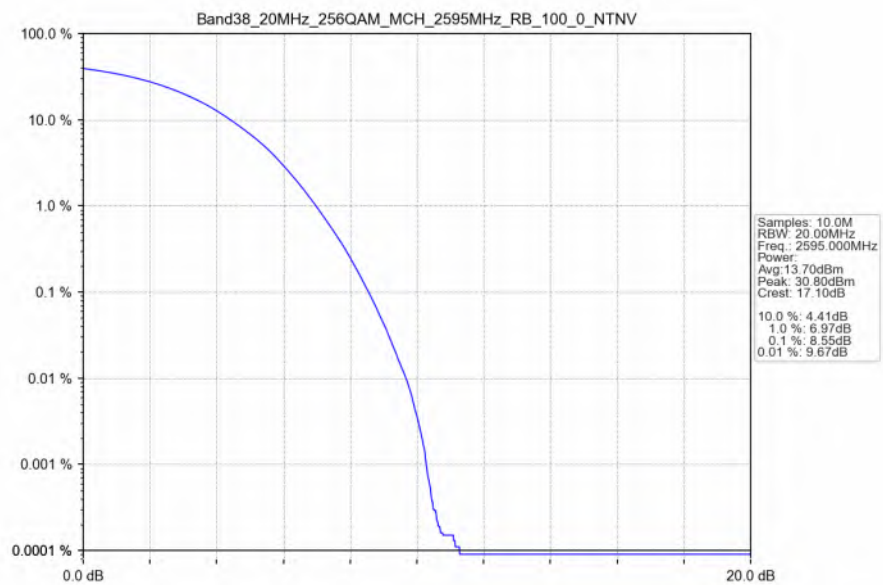
4.2 Test Graph

4.2.1 B38_20MHz





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 / NTNV						
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	
	49			Refer To Test Graph		Pass
	50		0	Refer To Test Graph		Pass

5.1.3 B38_15MHz

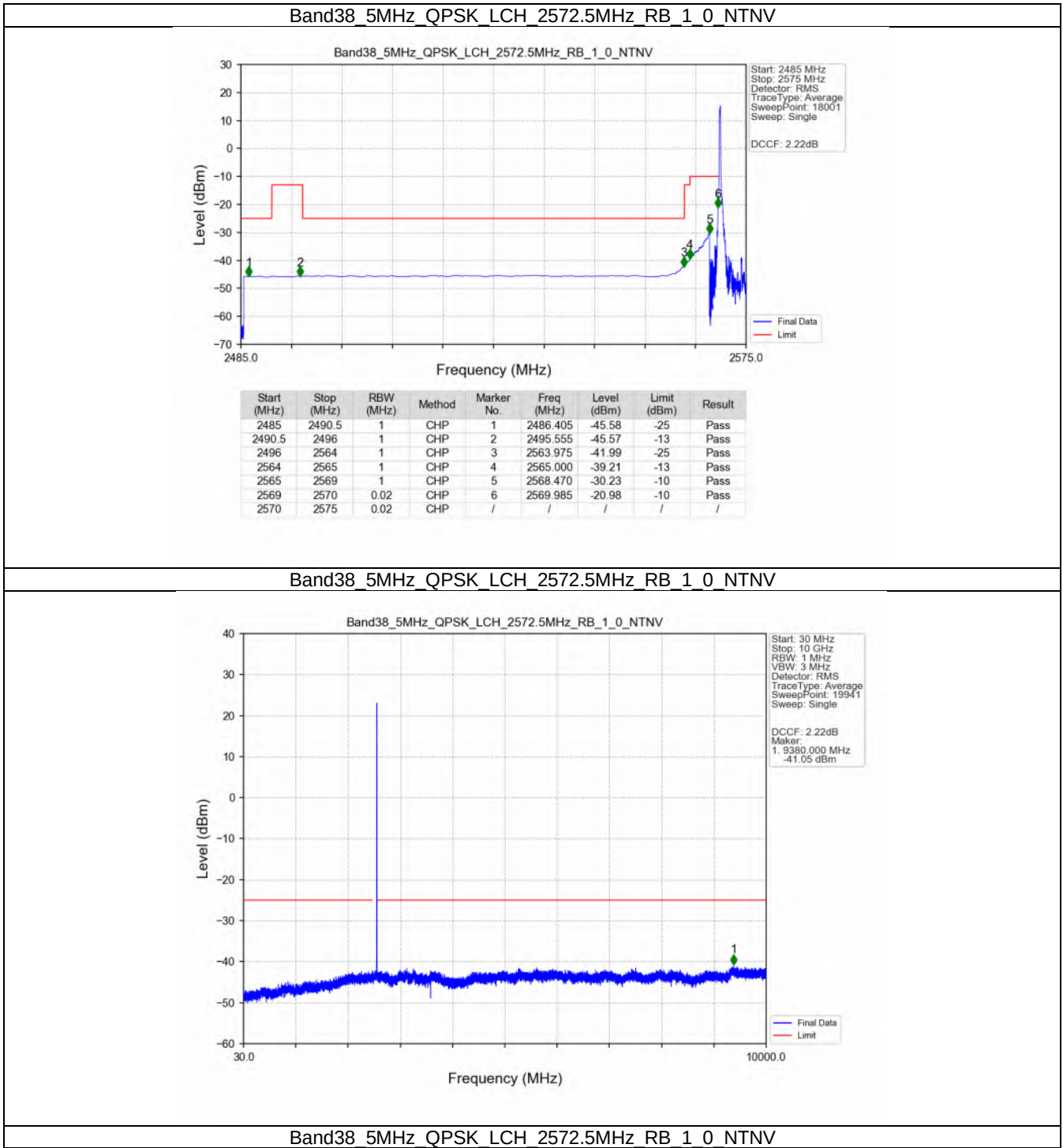
Band: 38 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	2577.5	1	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	2595	1	0	Refer To Test Graph		Pass
	2612.5	1	0	Refer To Test Graph		Pass
			74	Refer To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

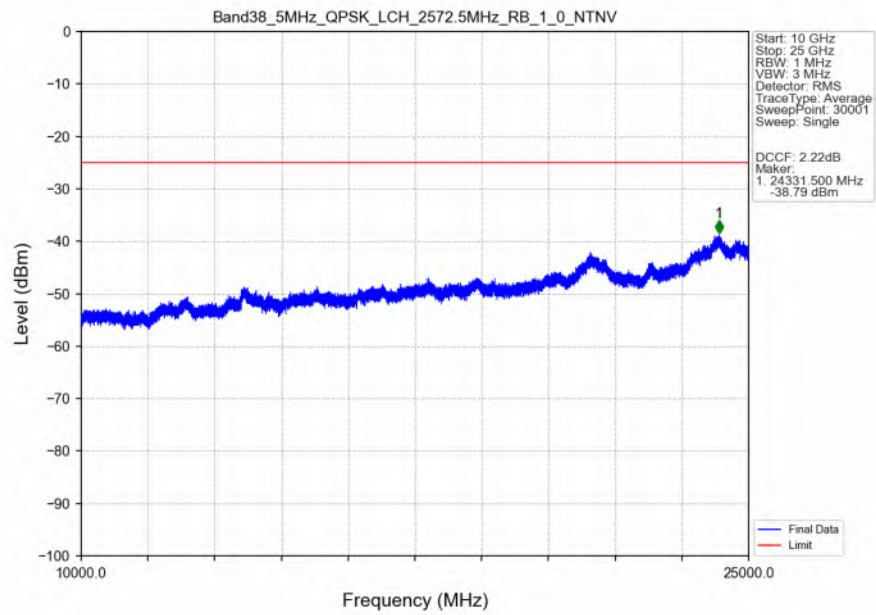
5.1.4 B38_20MHz

Band: 38 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (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

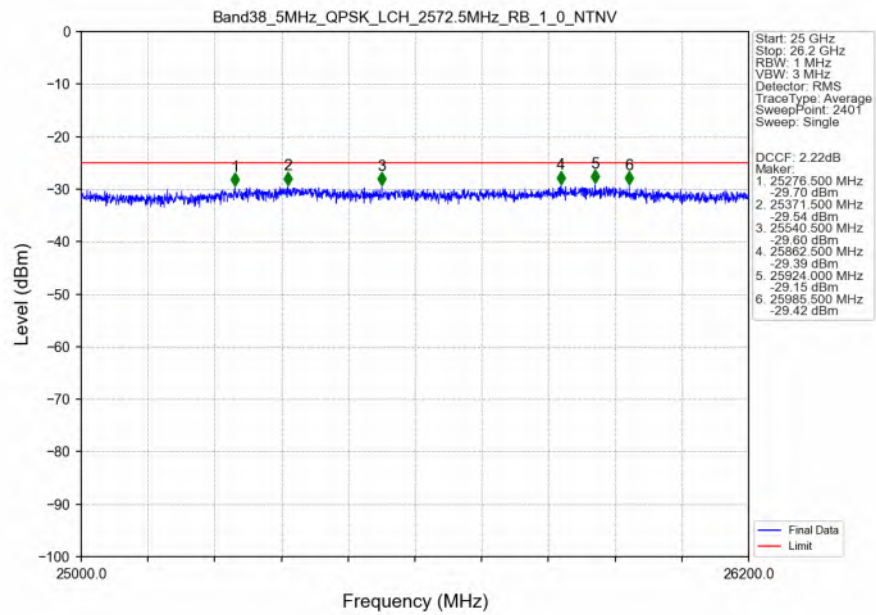
5.2 Test Graph

5.2.1 B38_5MHz

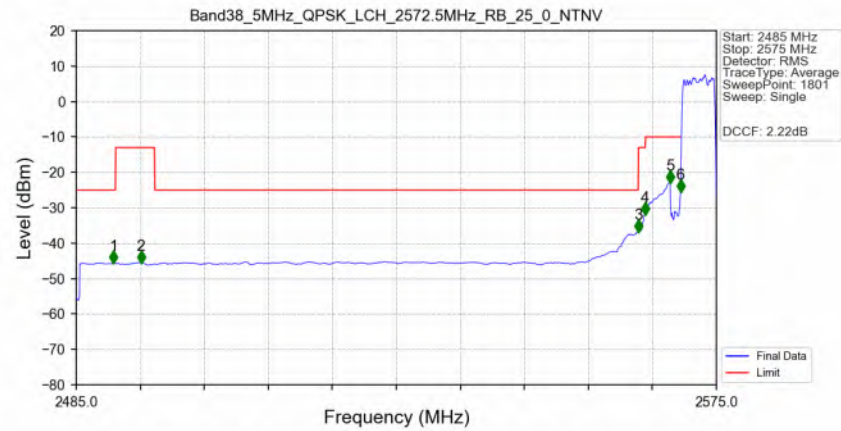




Band38 5MHz QPSK LCH 2572.5MHz RB 1 0 NTN

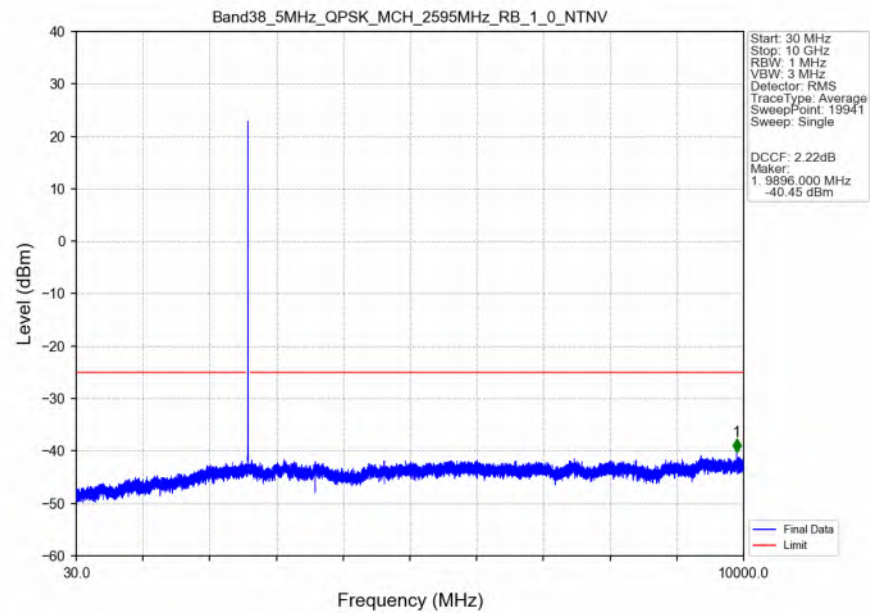


Band38_5MHz_QPSK_LCH_2572.5MHz_RB_25_0_NTNV

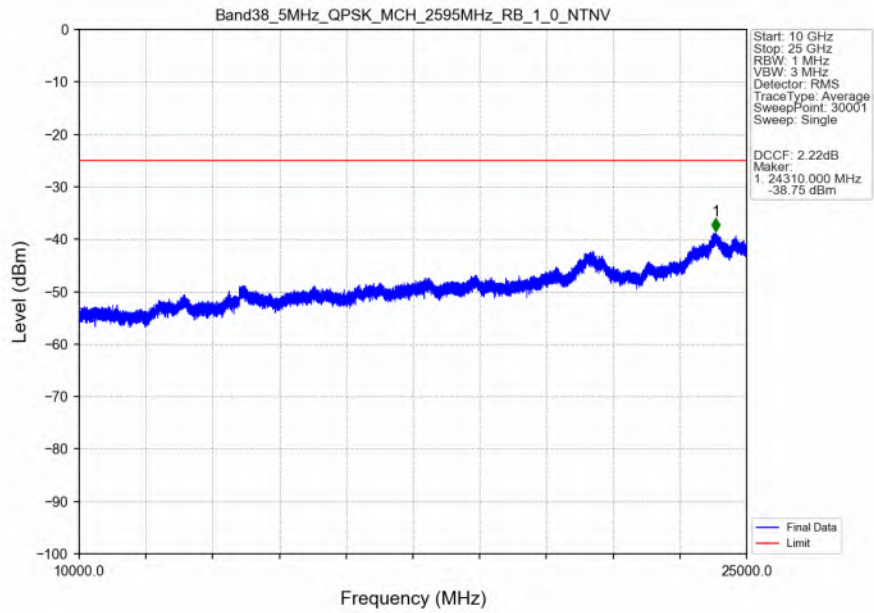


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2490.250	-45.56	-25	Pass
2490.5	2496	1	CHP	2	2494.100	-45.48	-13	Pass
2496	2564	1	CHP	3	2564.000	-36.75	-25	Pass
2564	2565	1	CHP	4	2565.000	-31.78	-13	Pass
2565	2569	1	CHP	5	2568.500	-22.79	-10	Pass
2569	2570	0.11	CHP	6	2569.950	-25.47	-10	Pass
2570	2575	0.11	CHP	/	/	/	/	/

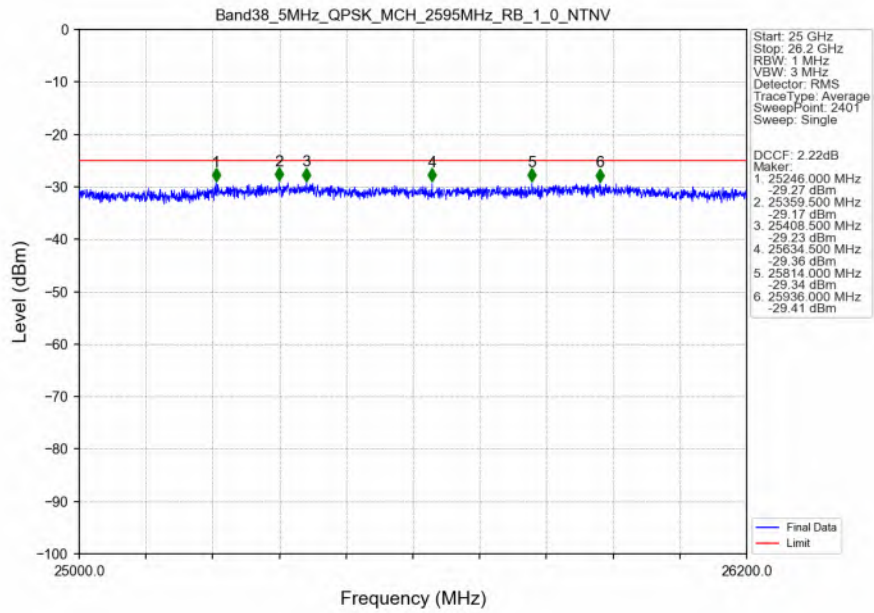
Band38_5MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



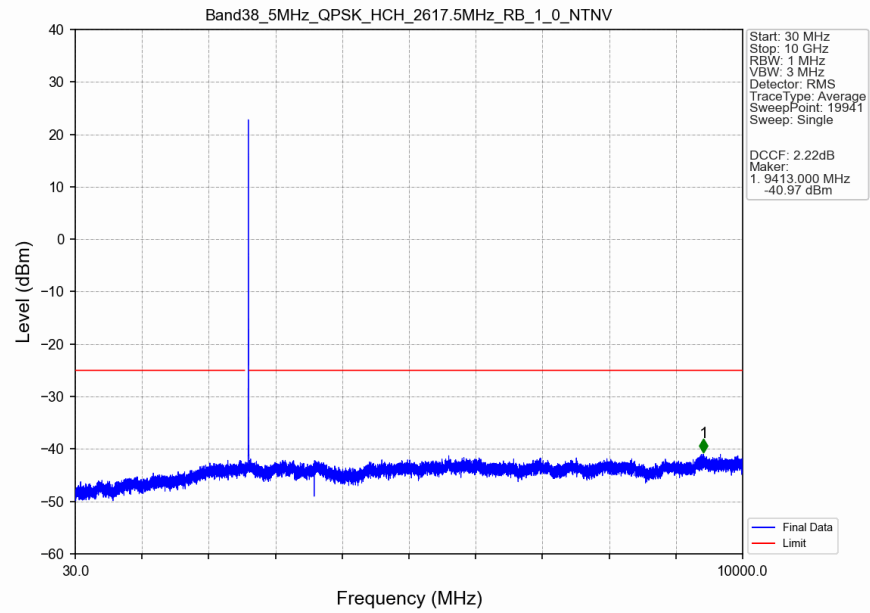
Band38_5MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



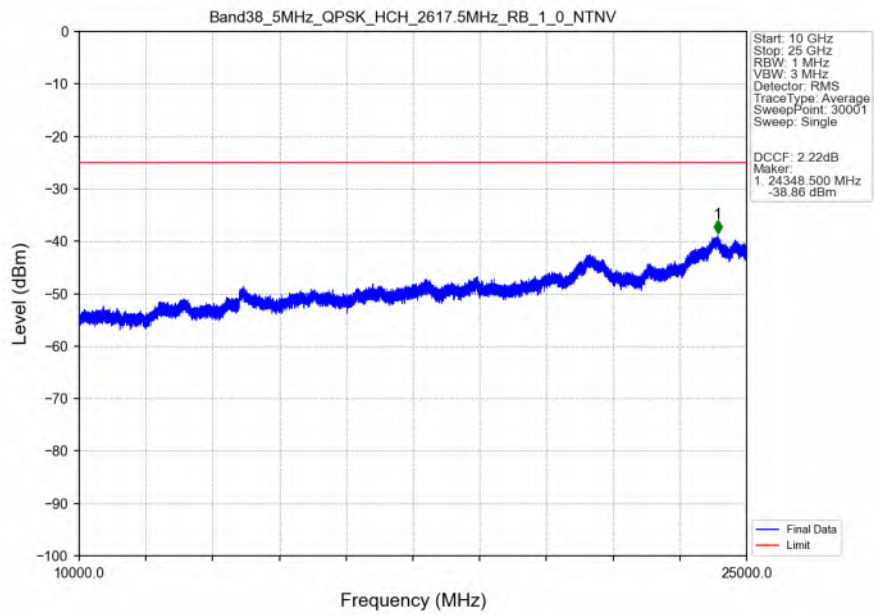
Band38_5MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



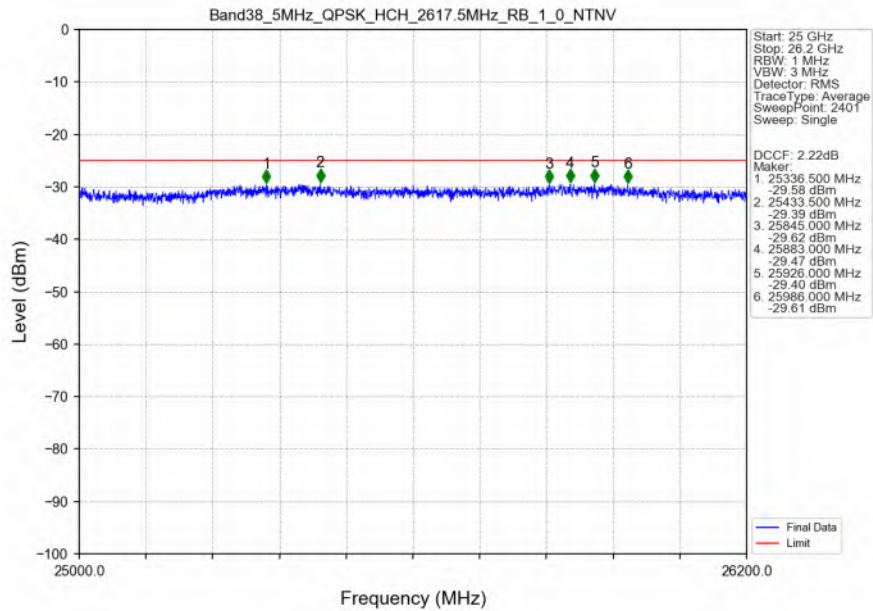
Band38_5MHz_QPSK_HCH_2617.5MHz_RB_1_0_NTNV



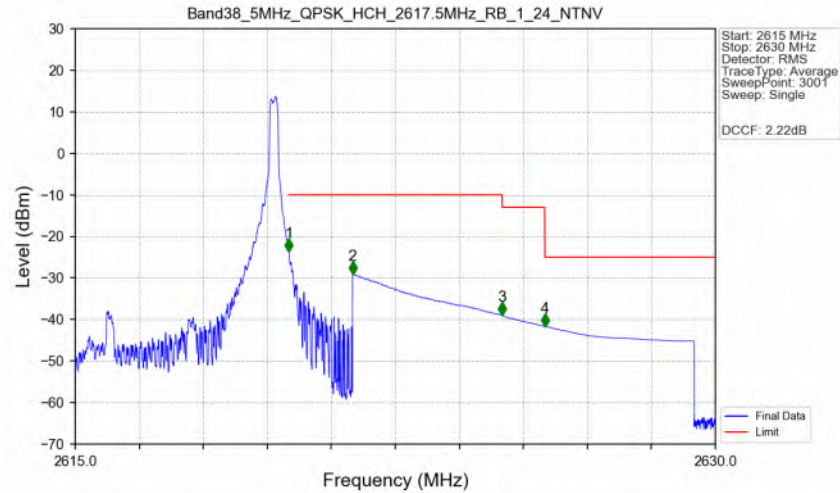
Band38_5MHz_QPSK_HCH_2617.5MHz_RB_1_0_NTNV



Band38_5MHz_QPSK_HCH_2617.5MHz_RB_1_0_NTNV

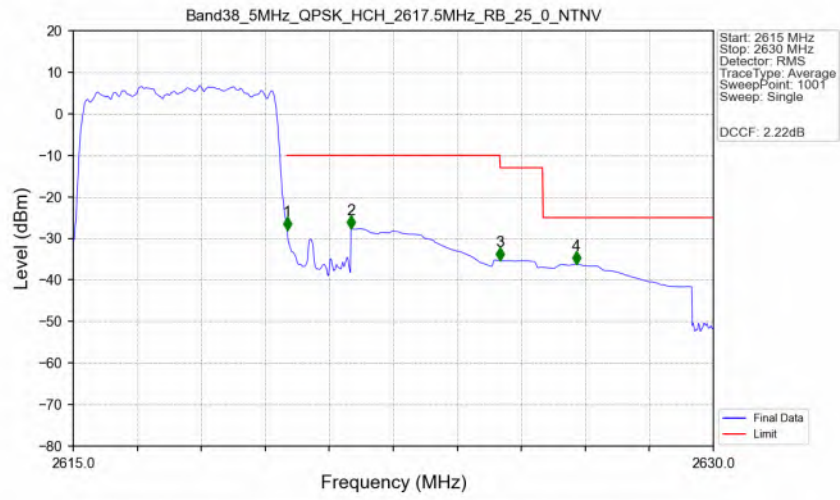


Band38_5MHz_QPSK_HCH_2617.5MHz_RB_1_24_NTNV



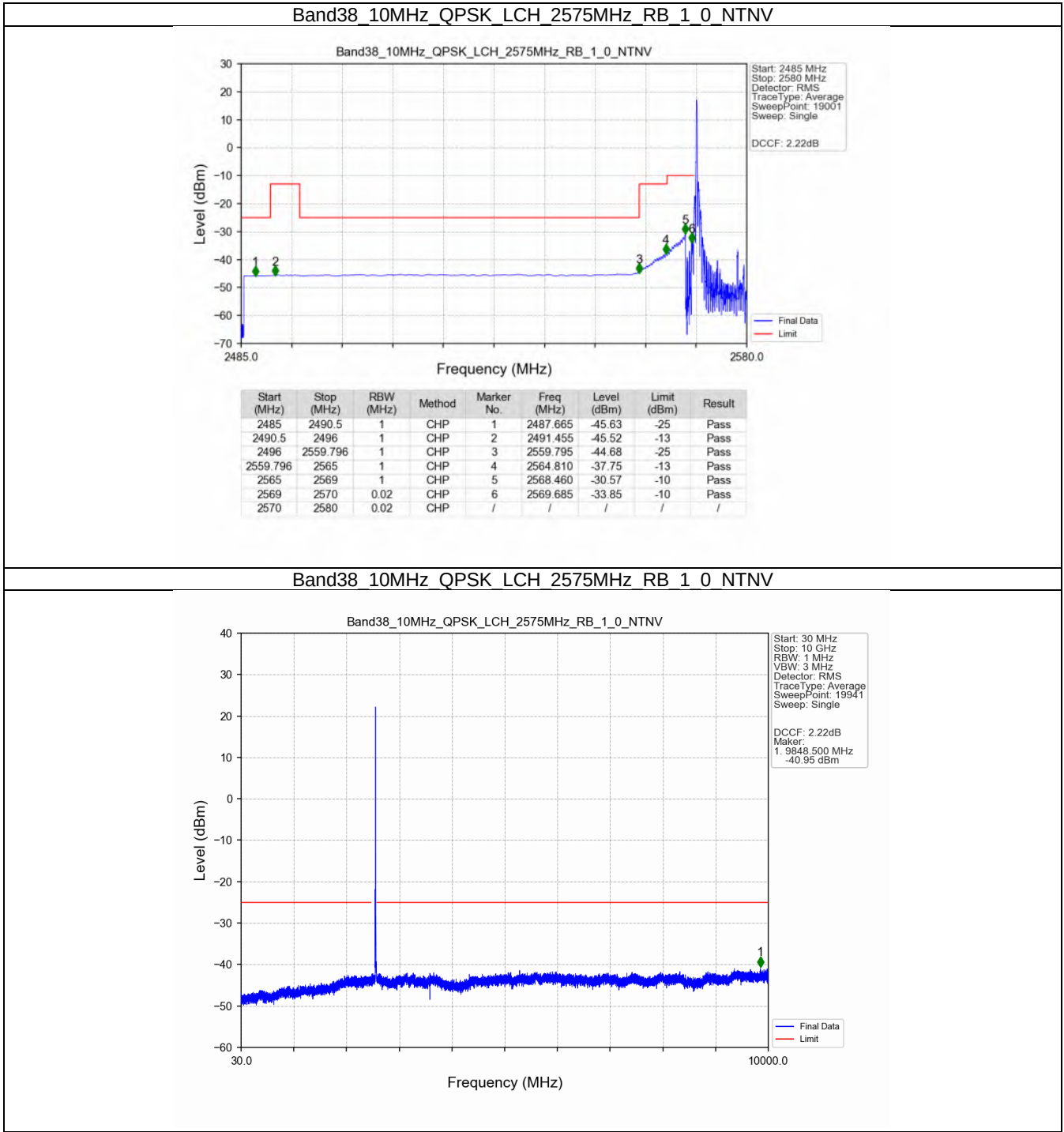
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2615	2620	0.02	CHP	/	/	/	/	/
2620	2621	0.02	CHP	1	2620.005	-23.67	-10	Pass
2621	2625	1	CHP	2	2621.500	-29.10	-10	Pass
2625	2626	1	CHP	3	2625.005	-38.97	-13	Pass
2626	2630	1	CHP	4	2626.005	-41.65	-25	Pass

Band38_5MHz_QPSK_HCH_2617.5MHz_RB_25_0_NTNV

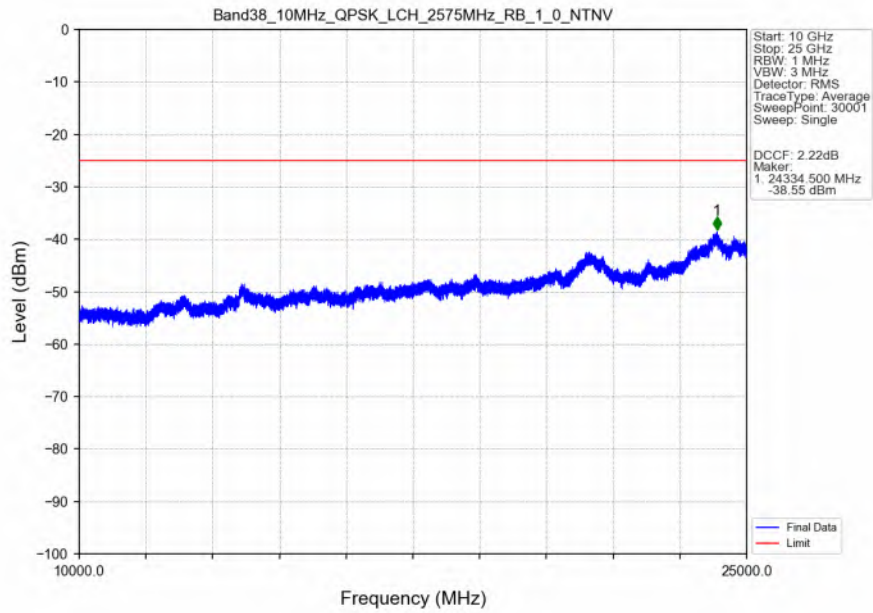


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2615	2620	0.11	CHP	/	/	/	/	/
2620	2621	0.11	CHP	1	2620.010	-28.10	-10	Pass
2621	2625	1	CHP	2	2621.510	-27.64	-10	Pass
2625	2626	1	CHP	3	2625.005	-35.35	-13	Pass
2626	2630	1	CHP	4	2626.790	-36.21	-25	Pass

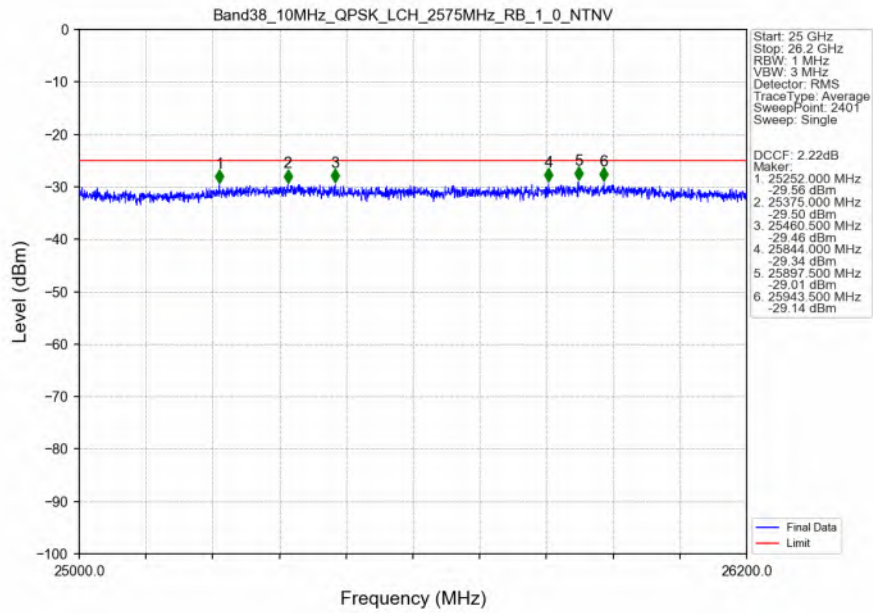
5.2.2 B38_10MHz



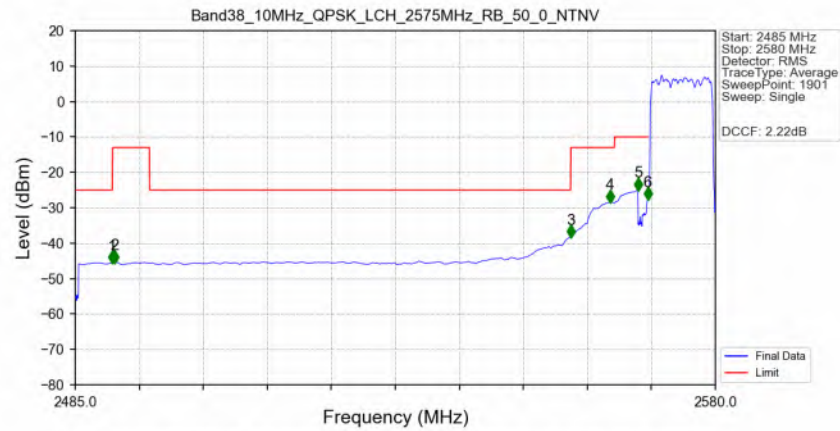
Band38_10MHz_QPSK_LCH_2575MHz_RB_1_0_NTNV



Band38_10MHz_QPSK_LCH_2575MHz_RB_1_0_NTNV

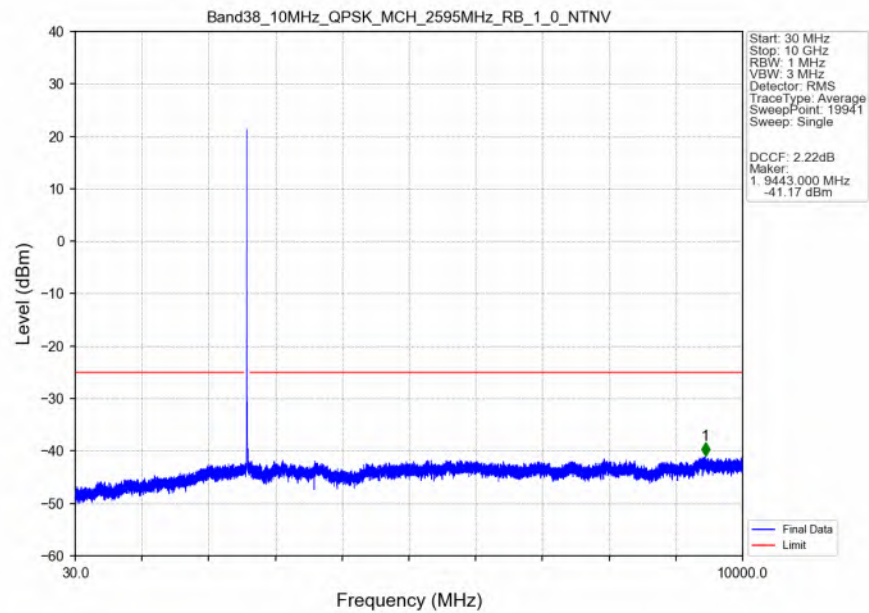


Band38_10MHz_QPSK_LCH_2575MHz_RB_50_0_NTNV

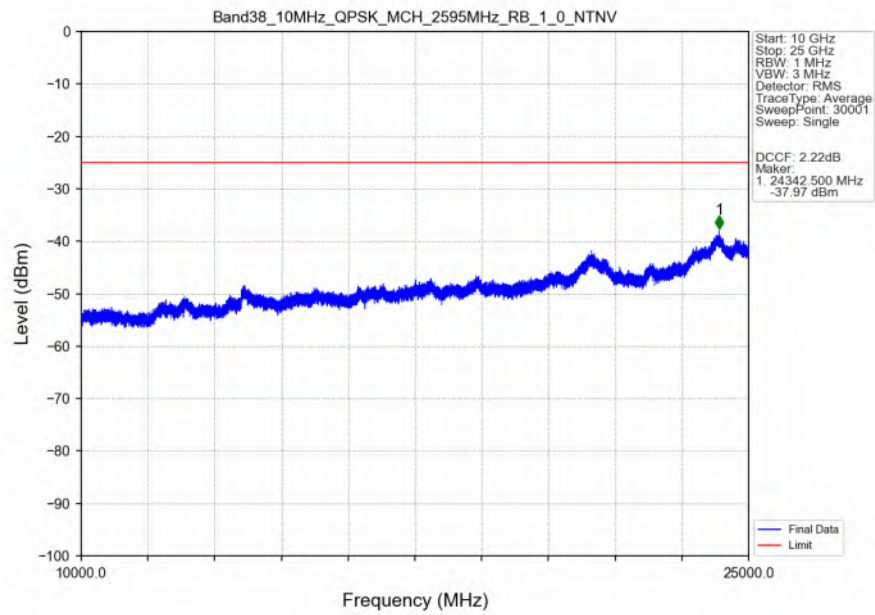


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2490.450	-45.52	-25	Pass
2490.5	2496	1	CHP	2	2490.850	-45.39	-13	Pass
2496	2558.529	1	CHP	3	2558.500	-38.29	-25	Pass
2558.529	2565	1	CHP	4	2564.350	-28.33	-13	Pass
2565	2569	1	CHP	5	2568.500	-24.89	-10	Pass
2569	2570	0.229	CHP	6	2569.950	-27.55	-10	Pass
2570	2580	0.229	CHP	/	/	/	/	/

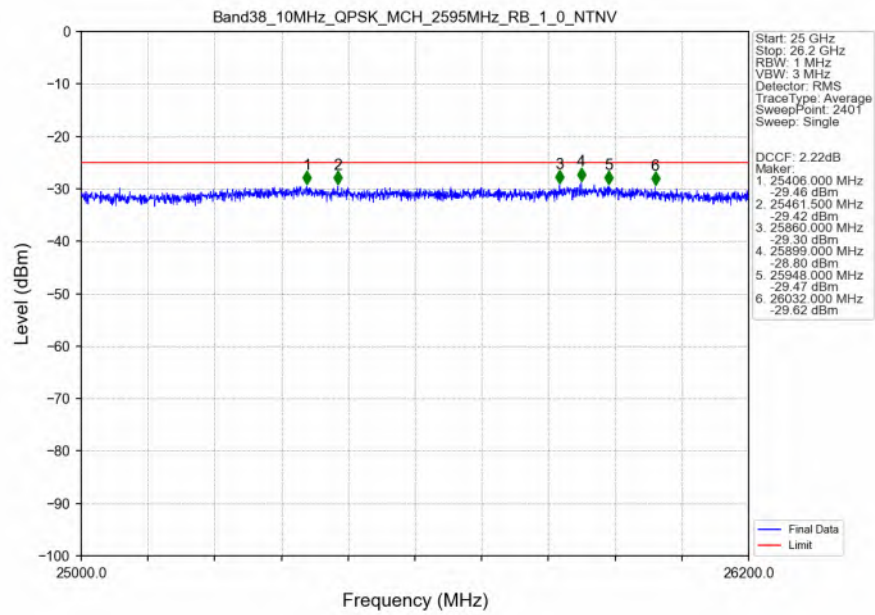
Band38_10MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



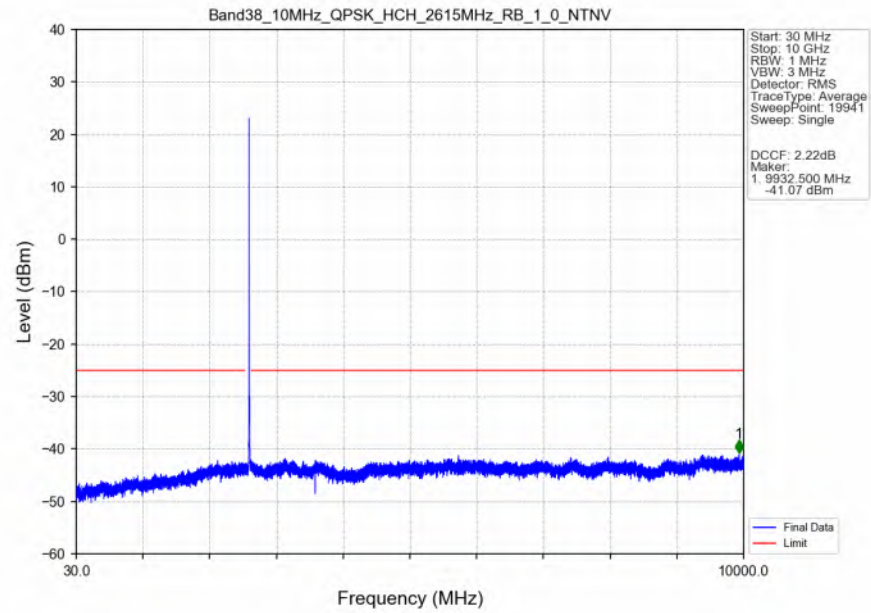
Band38_10MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



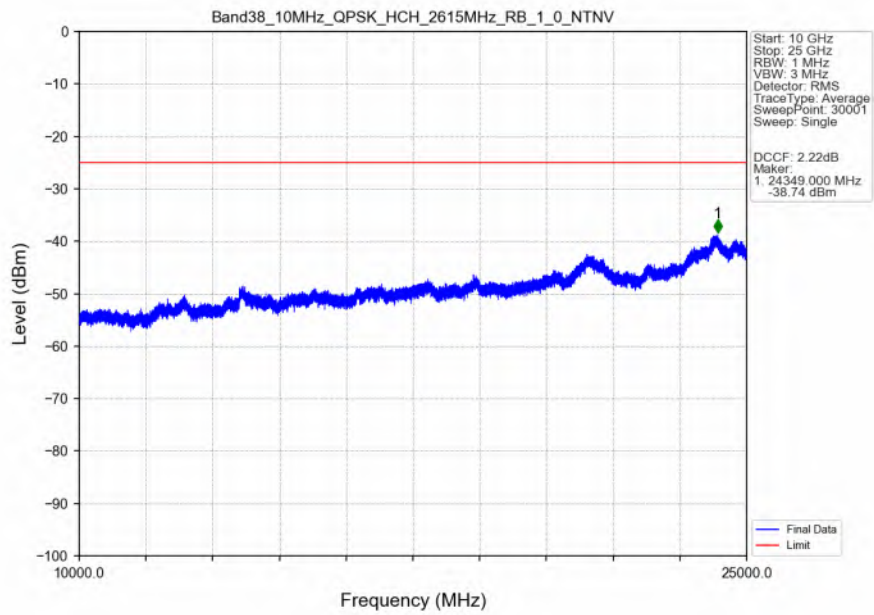
Band38_10MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



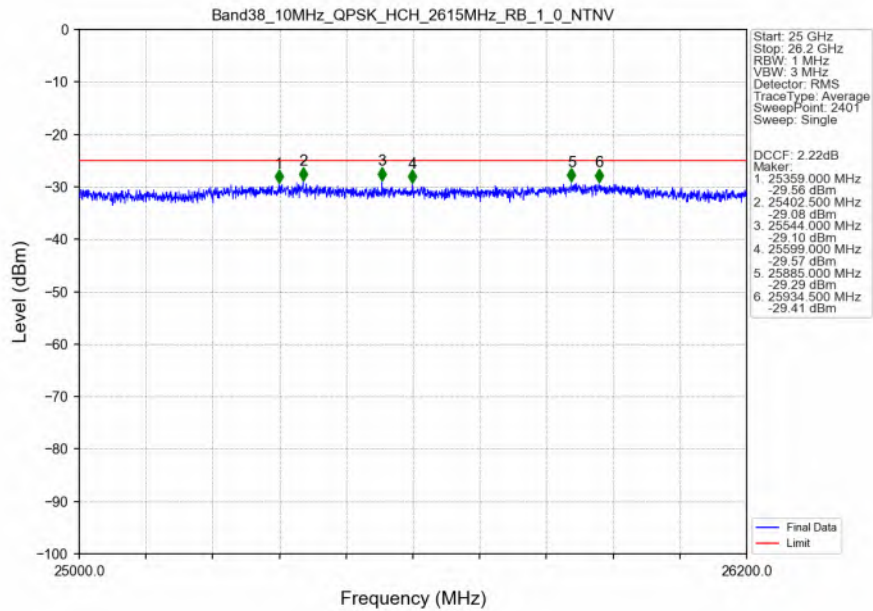
Band38_10MHz_QPSK_HCH_2615MHz_RB_1_0_NTNV



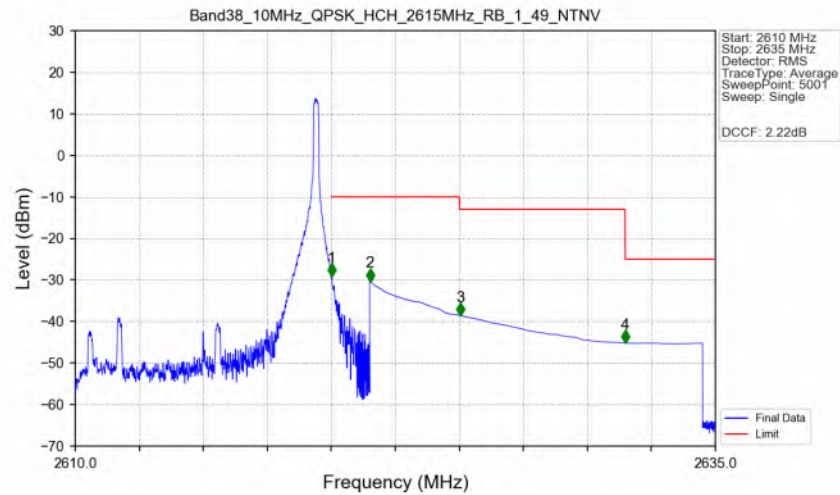
Band38_10MHz_QPSK_HCH_2615MHz_RB_1_0_NTNV



Band38_10MHz_QPSK_HCH_2615MHz_RB_1_0_NTNV

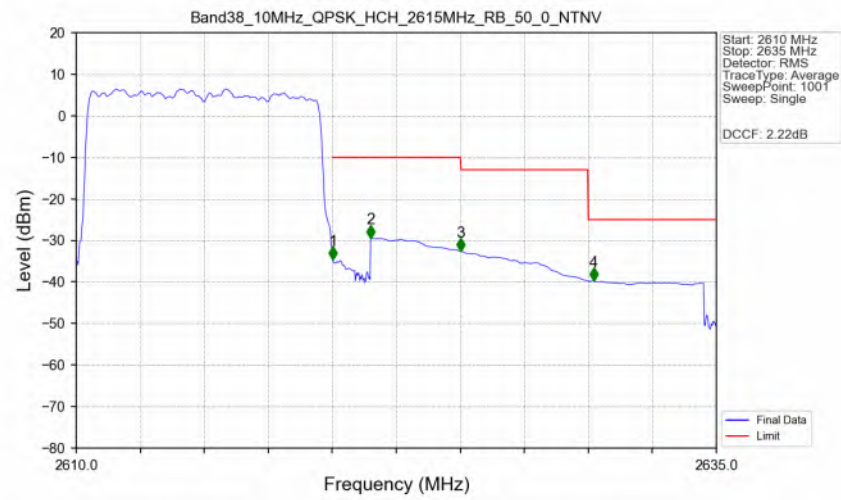


Band38_10MHz_QPSK_HCH_2615MHz_RB_1_49_NTNV



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	2620.010	-29.12	-10	Pass
2621	2625	1	CHP	2	2621.515	-30.33	-10	Pass
2625	2631.471	1	CHP	3	2625.030	-38.54	-13	Pass
2631.471	2635	1	CHP	4	2631.475	-45.17	-25	Pass

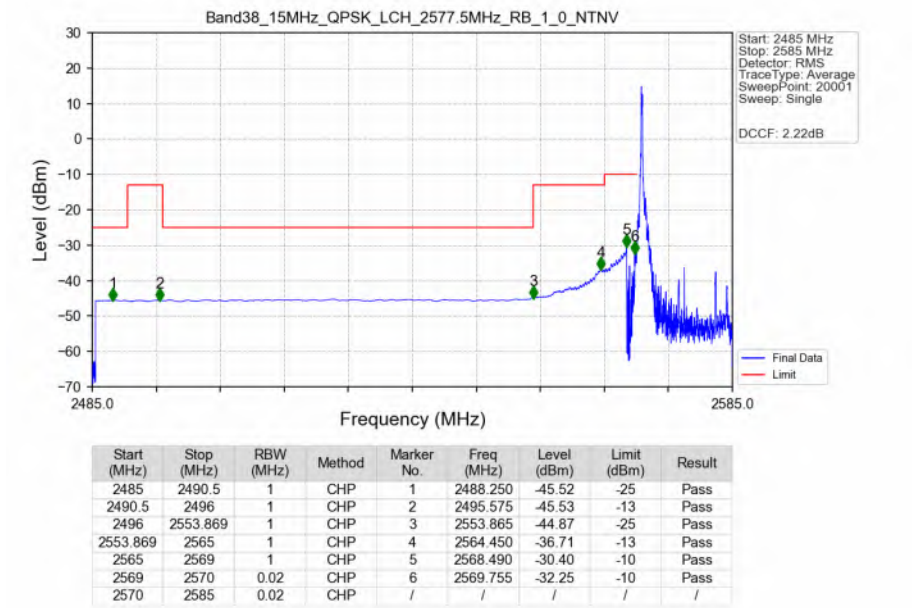
Band38_10MHz_QPSK_HCH_2615MHz_RB_50_0_NTNV



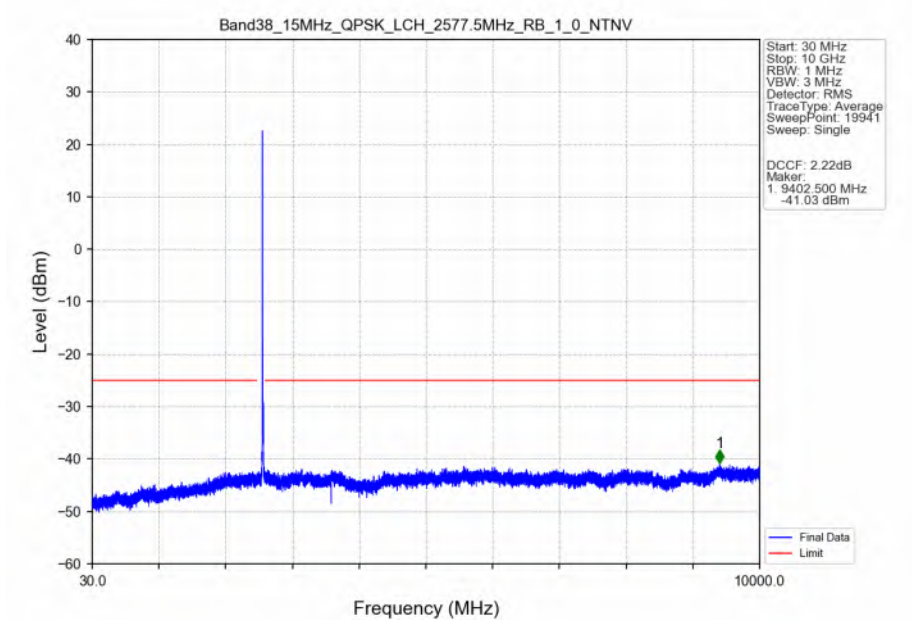
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2610	2620	0.2	CHP	/	/	/	/	/
2620	2621	0.2	CHP	1	2620.025	-34.67	-10	Pass
2621	2625	1	CHP	2	2621.500	-29.40	-10	Pass
2625	2629.989	1	CHP	3	2625.025	-32.67	-13	Pass
2629.989	2635	1	CHP	4	2630.200	-39.75	-25	Pass

5.2.3 B38_15MHz

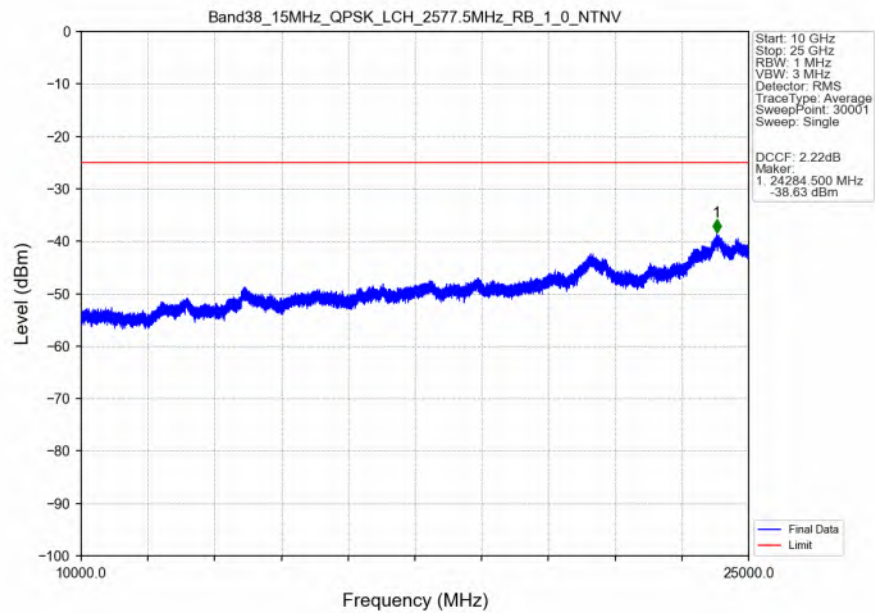
Band38_15MHz_QPSK_LCH_2577.5MHz_RB_1_0_NTNV



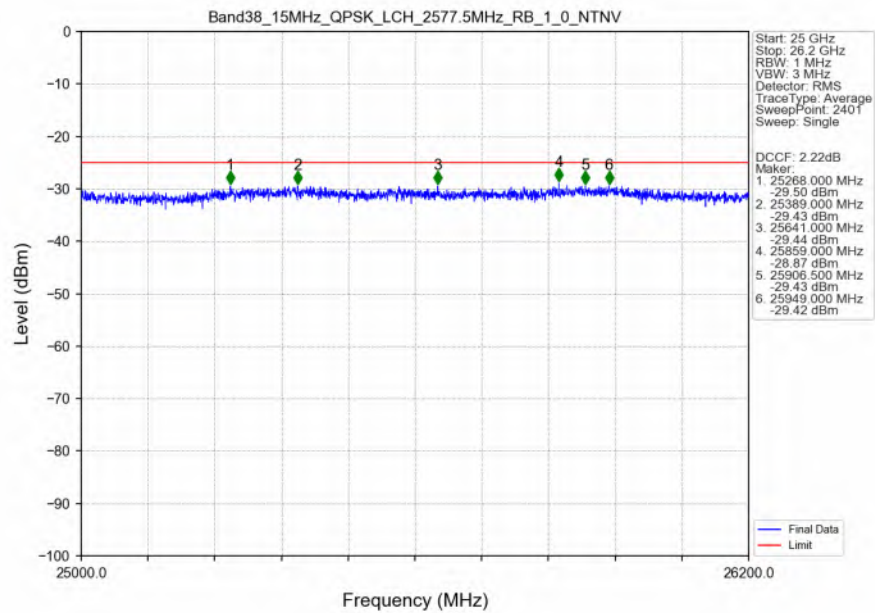
Band38_15MHz_QPSK_LCH_2577.5MHz_RB_1_0_NTNV



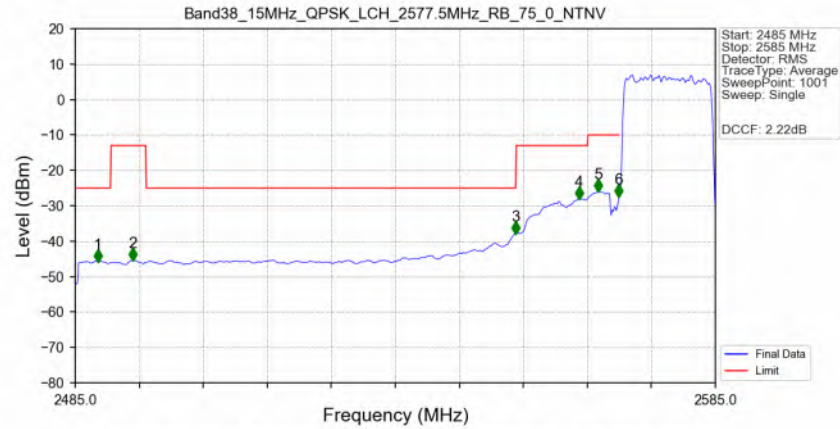
Band38_15MHz_QPSK_LCH_2577.5MHz_RB_1_0_NTNV



Band38_15MHz_QPSK_LCH_2577.5MHz_RB_1_0_NTNV

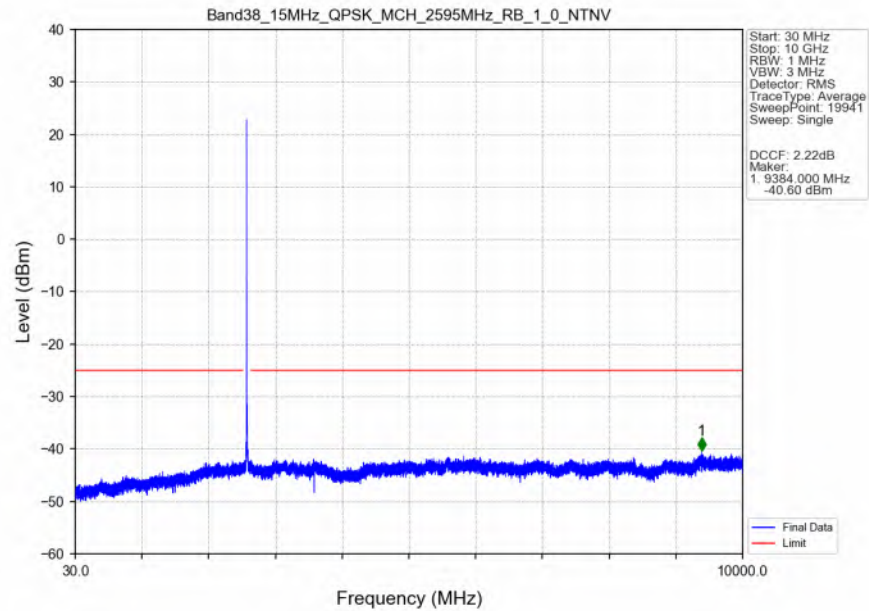


Band38_15MHz_QPSK_LCH_2577.5MHz_RB_75_0_NTNV

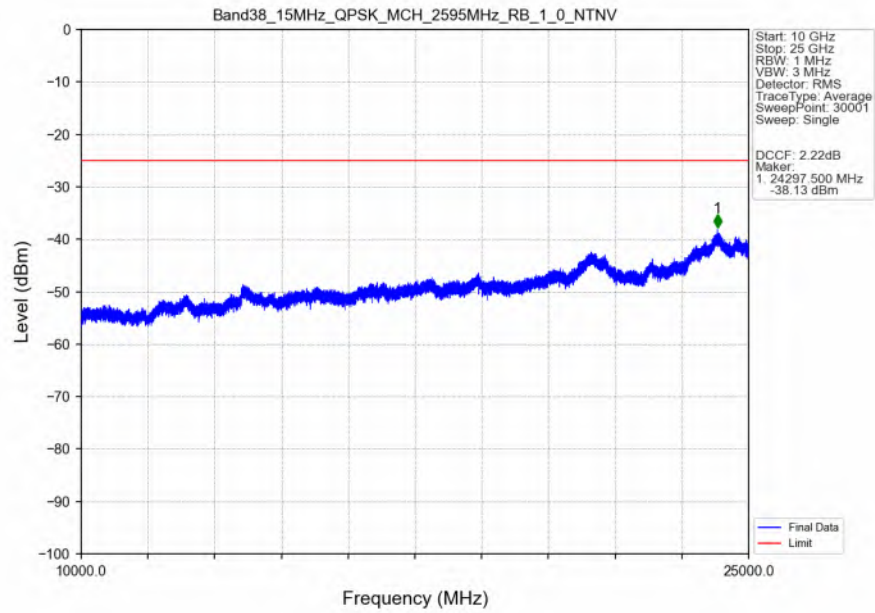


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2488.500	-45.65	-25	Pass
2490.5	2496	1	CHP	2	2494.000	-45.32	-13	Pass
2496	2553.869	1	CHP	3	2553.800	-37.82	-25	Pass
2553.869	2565	1	CHP	4	2563.700	-27.99	-13	Pass
2565	2569	1	CHP	5	2566.700	-25.88	-10	Pass
2569	2570	0.323	CHP	6	2569.900	-27.41	-10	Pass
2570	2585	0.323	CHP	/	/	/	/	/

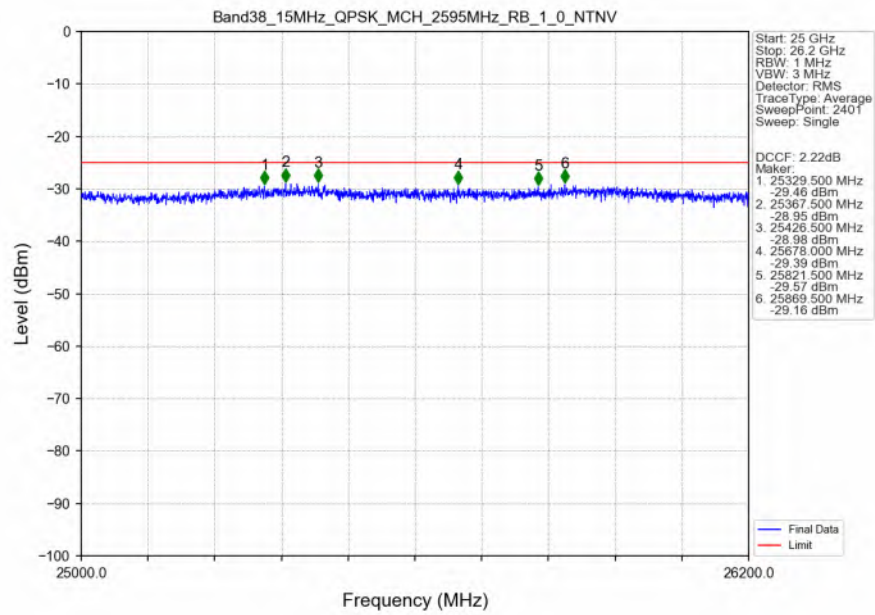
Band38_15MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



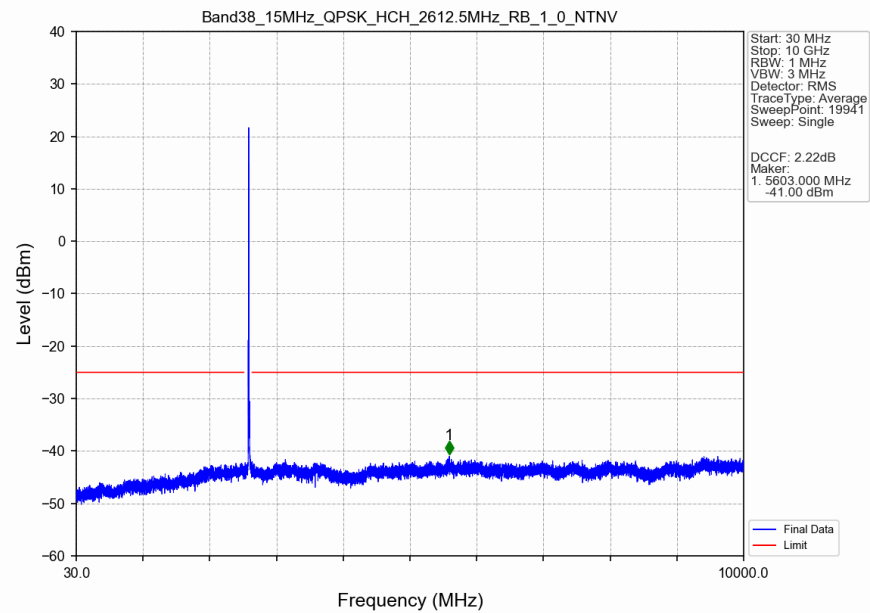
Band38_15MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



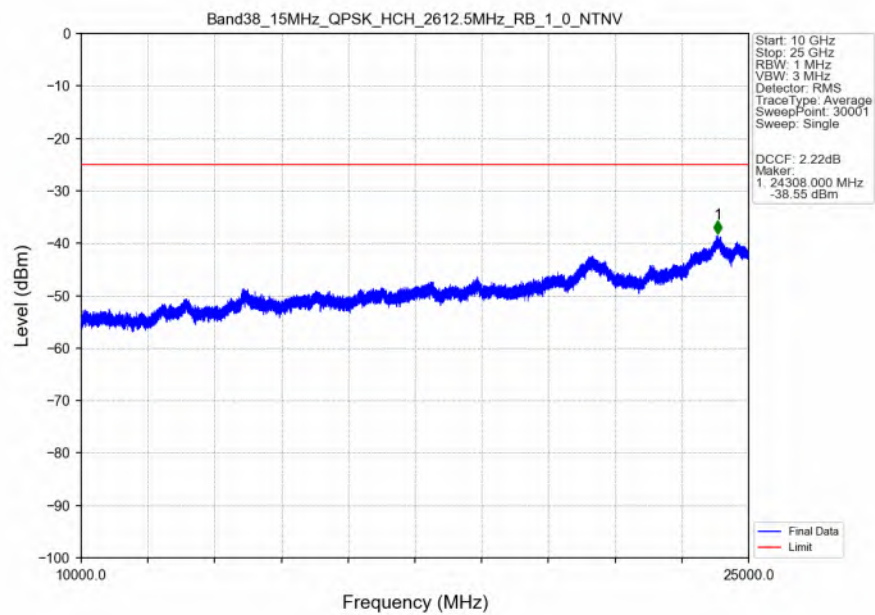
Band38_15MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



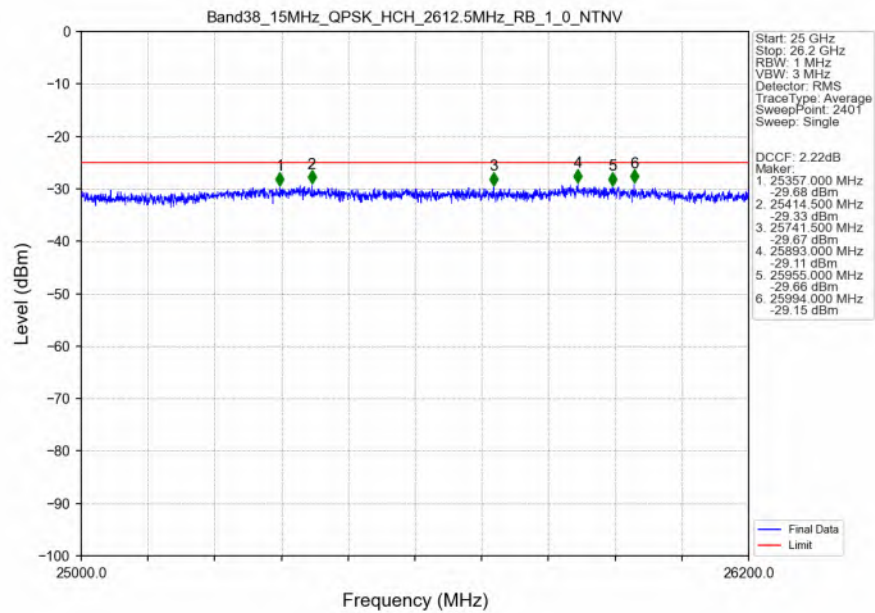
Band38_15MHz_QPSK_HCH_2612.5MHz_RB_1_0_NTNV



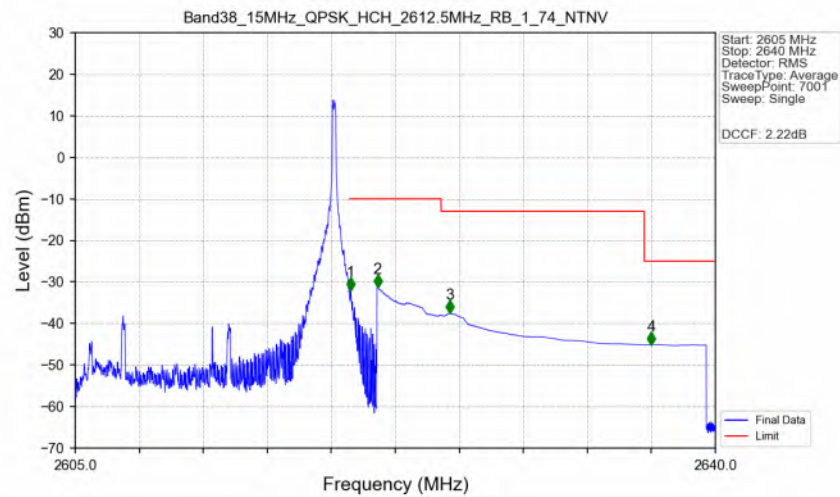
Band38_15MHz_QPSK_HCH_2612.5MHz_RB_1_0_NTNV



Band38_15MHz_QPSK_HCH_2612.5MHz_RB_1_0_NTNV

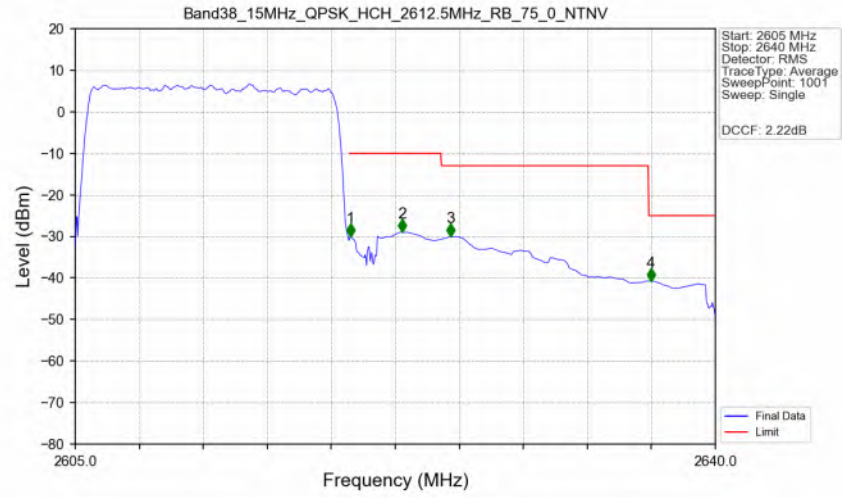


Band38_15MHz_QPSK_HCH_2612.5MHz_RB_1_74_NTNV



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	2620.055	-32.03	-10	Pass
2621	2625	1	CHP	2	2621.530	-31.35	-10	Pass
2625	2636.114	1	CHP	3	2625.490	-37.58	-13	Pass
2636.114	2640	1	CHP	4	2636.500	-45.10	-25	Pass

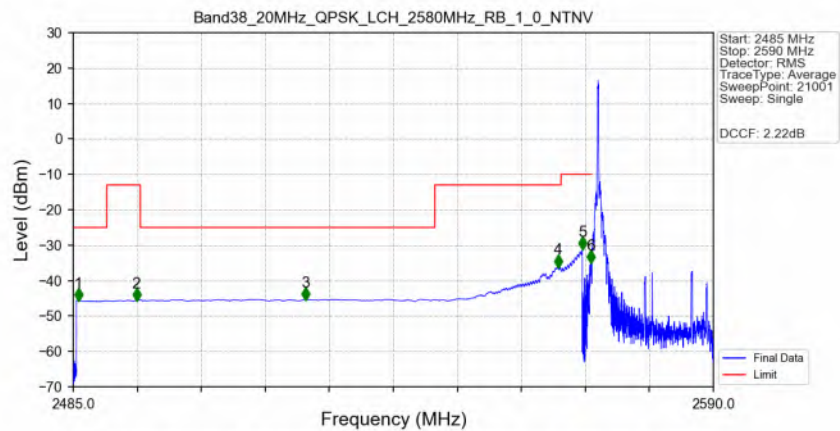
Band38_15MHz_QPSK_HCH_2612.5MHz_RB_75_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2605	2620	0.327	CHP	/	/	/	/	/
2620	2621	0.327	CHP	1	2620.050	-29.96	-10	Pass
2621	2625	1	CHP	2	2622.885	-28.95	-10	Pass
2625	2636.357	1	CHP	3	2625.510	-30.08	-13	Pass
2636.357	2640	1	CHP	4	2636.465	-40.75	-25	Pass

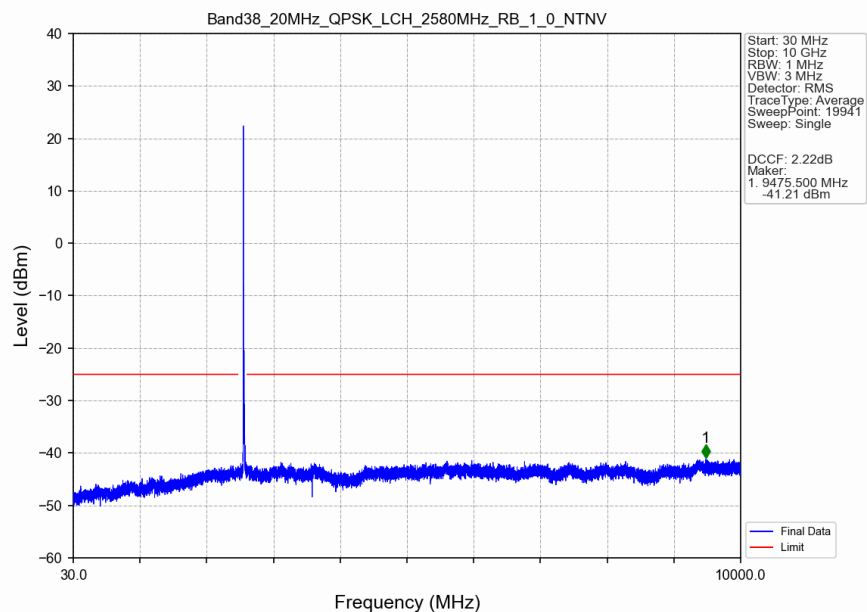
5.2.4 B38_20MHz

Band38_20MHz_QPSK_LCH_2580MHz_RB_1_0_NTNV

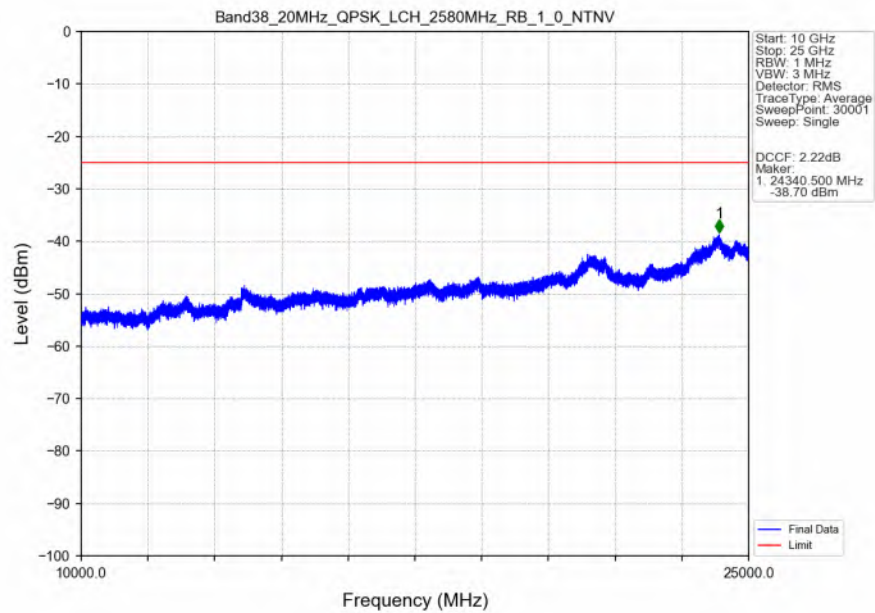


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2485.815	-45.61	-25	Pass
2490.5	2496	1	CHP	2	2495.380	-45.49	-13	Pass
2496	2544.302	1	CHP	3	2523.135	-45.28	-25	Pass
2544.302	2565	1	CHP	4	2564.495	-36.06	-13	Pass
2565	2569	1	CHP	5	2568.495	-30.96	-10	Pass
2569	2570	0.02	CHP	6	2569.900	-34.93	-10	Pass
2570	2590	0.02	CHP	/	/	/	/	/

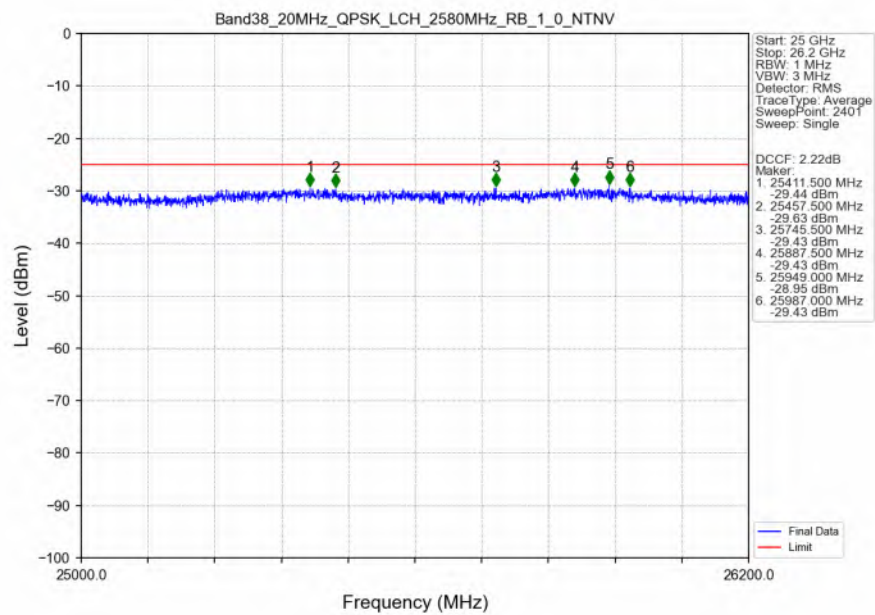
Band38_20MHz_QPSK_LCH_2580MHz_RB_1_0_NTNV



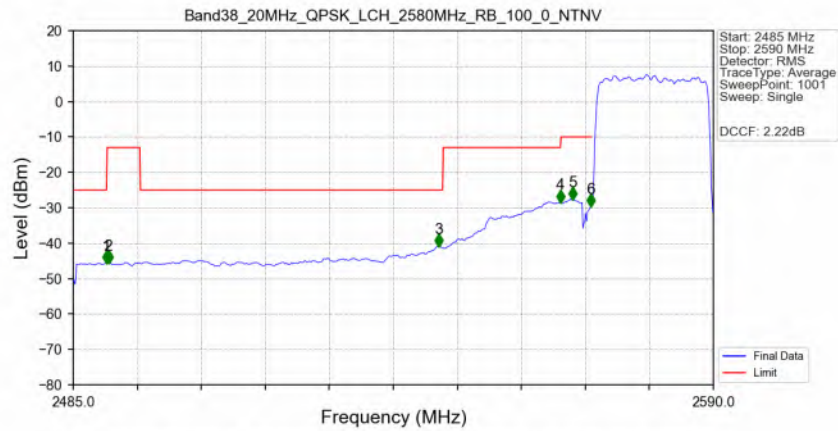
Band38_20MHz_QPSK_LCH_2580MHz_RB_1_0_NTNV



Band38_20MHz_QPSK_LCH_2580MHz_RB_1_0_NTNV

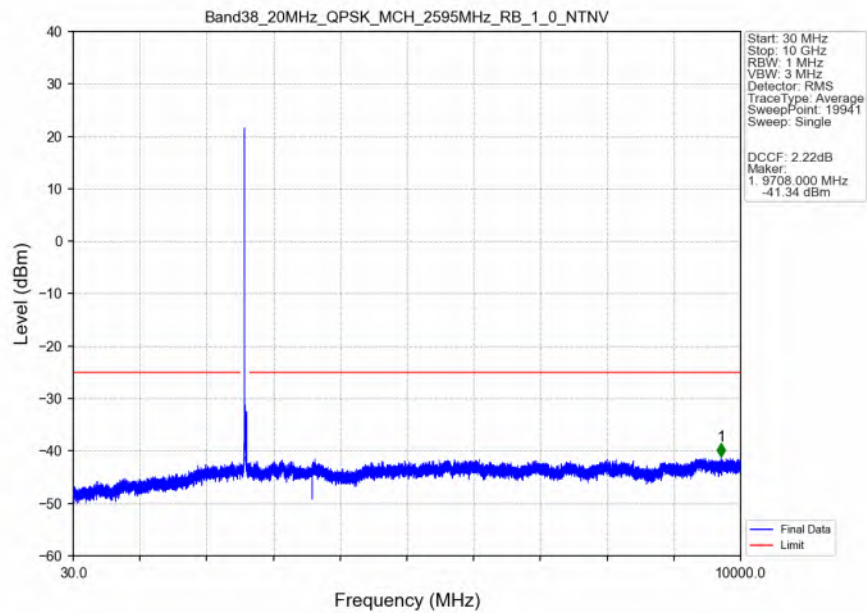


Band38_20MHz_QPSK_LCH_2580MHz_RB_100_0_NTNV

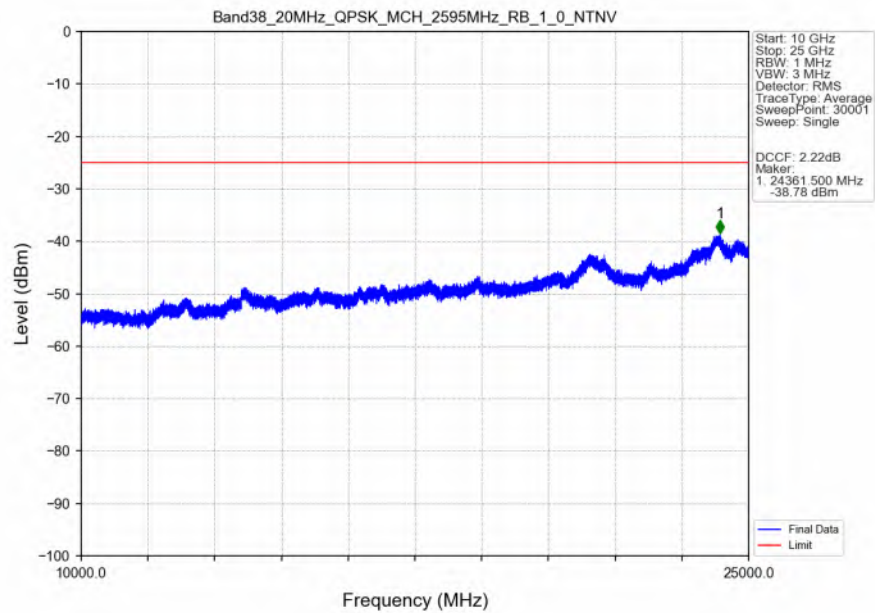


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2490.460	-45.50	-25	Pass
2490.5	2496	1	CHP	2	2490.775	-45.48	-13	Pass
2496	2545.608	1	CHP	3	2544.955	-40.84	-25	Pass
2545.608	2565	1	CHP	4	2564.905	-28.28	-13	Pass
2565	2569	1	CHP	5	2566.900	-27.57	-10	Pass
2569	2570	0.488	CHP	6	2569.945	-29.54	-10	Pass
2570	2590	0.488	CHP	/	/	/	/	/

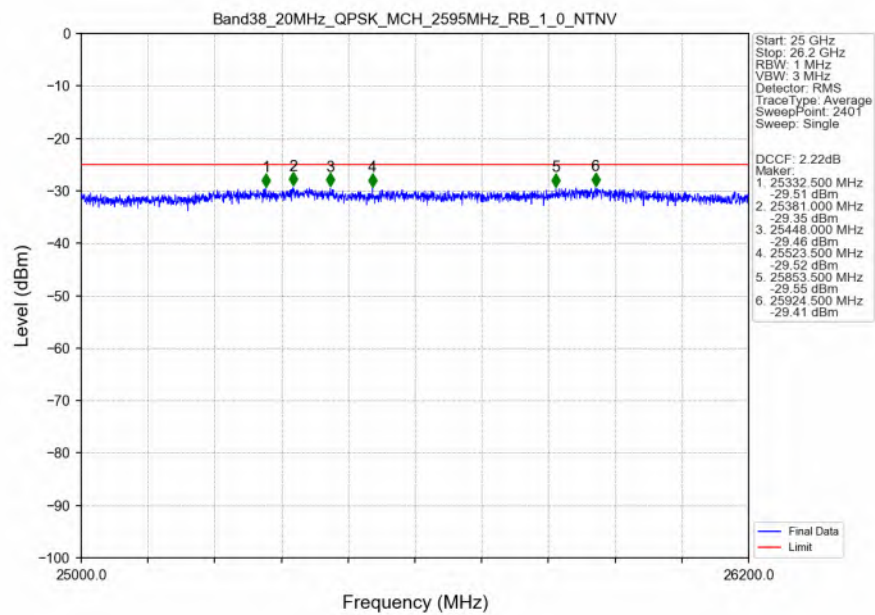
Band38_20MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



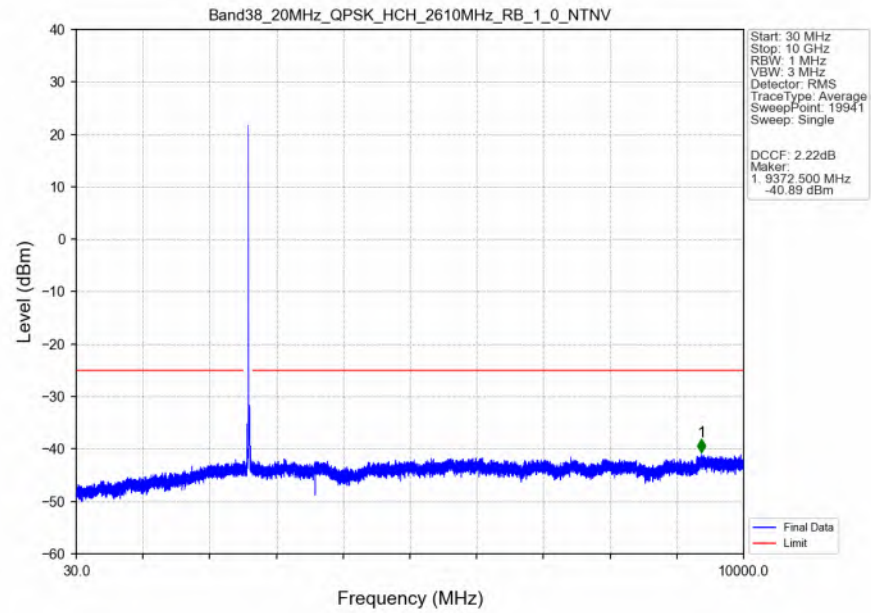
Band38_20MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



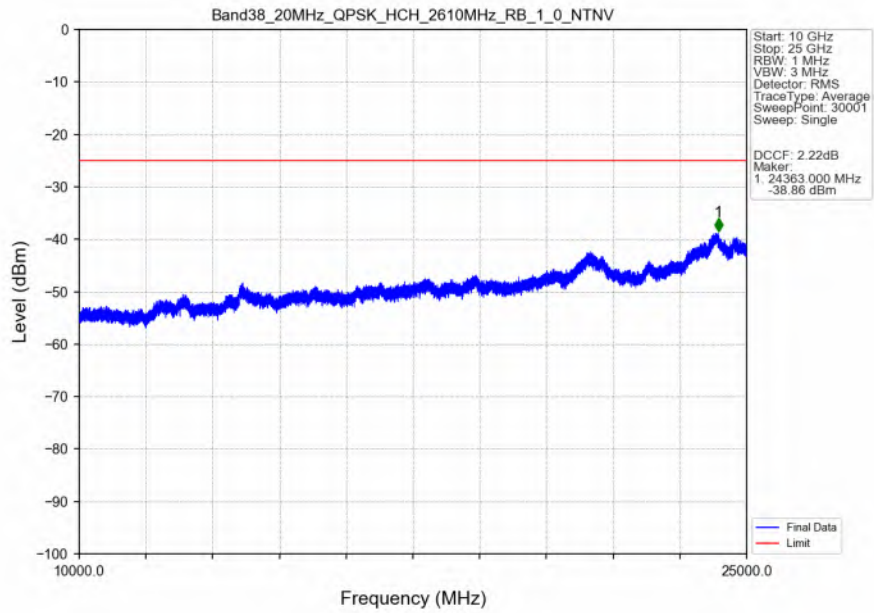
Band38_20MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



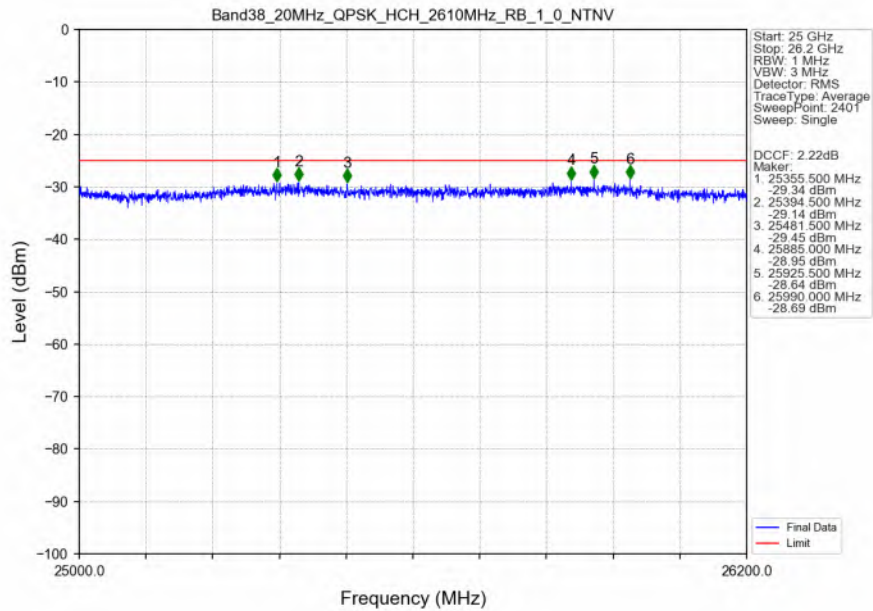
Band38_20MHz_QPSK_HCH_2610MHz_RB_1_0_NTNV



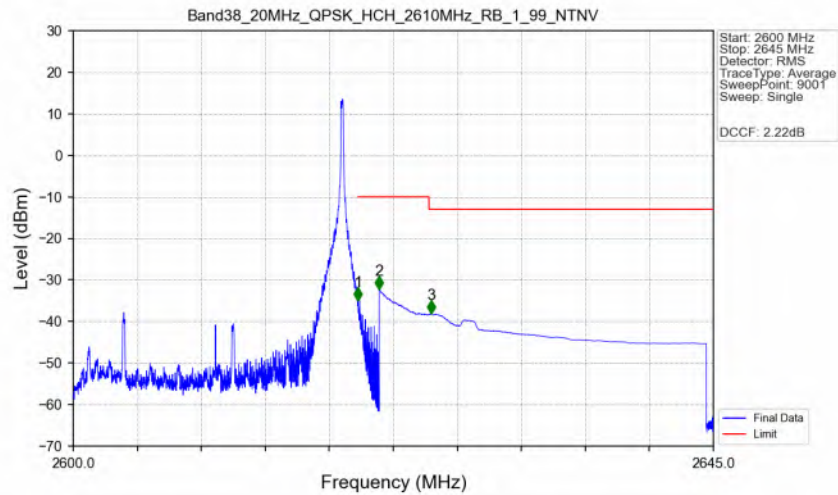
Band38_20MHz_QPSK_HCH_2610MHz_RB_1_0_NTNV



Band38_20MHz_QPSK_HCH_2610MHz_RB_1_0_NTNV

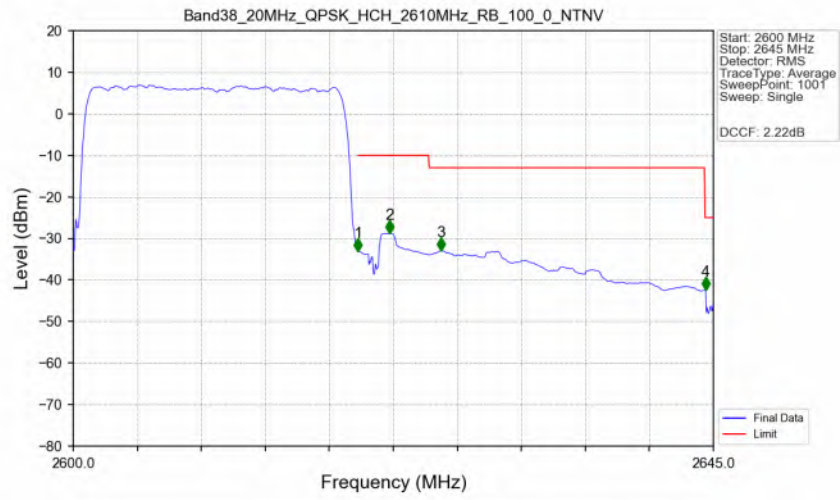


Band38_20MHz_QPSK_HCH_2610MHz_RB_1_99_NTNV



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	2620.025	-34.97	-10	Pass
2621	2625	1	CHP	2	2621.500	-32.16	-10	Pass
2625	2645	1	CHP	3	2625.160	-38.15	-13	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	0.488	CHP	/	/	/	/	/
2620	2621	0.488	CHP	1	2620.025	-33.07	-10	Pass
2621	2625	1	CHP	2	2622.230	-28.81	-10	Pass
2625	2644.392	1	CHP	3	2625.830	-32.96	-13	Pass
2644.392	2645	1	CHP	4	2644.460	-42.43	-25	Pass