

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	23.66	-1.91	21.75	<=33.01	Pass
			13	23.60	-1.91	21.69	<=33.01	Pass
			24	23.68	-1.91	21.77	<=33.01	Pass
		12	0	22.57	-1.91	20.66	<=33.01	Pass
			6	22.68	-1.91	20.77	<=33.01	Pass
			13	22.69	-1.91	20.78	<=33.01	Pass
		25	0	22.75	-1.91	20.84	<=33.01	Pass
	2595	1	0	24.10	-1.91	22.19	<=33.01	Pass
			13	24.09	-1.91	22.18	<=33.01	Pass
			24	24.11	-1.91	22.20	<=33.01	Pass
		12	0	23.16	-1.91	21.25	<=33.01	Pass
			6	23.03	-1.91	21.12	<=33.01	Pass
			13	23.07	-1.91	21.16	<=33.01	Pass
		25	0	23.08	-1.91	21.17	<=33.01	Pass
	2617.5	1	0	24.30	-1.91	22.39	<=33.01	Pass
			13	24.29	-1.91	22.38	<=33.01	Pass
			24	24.30	-1.91	22.39	<=33.01	Pass
		12	0	23.41	-1.91	21.50	<=33.01	Pass
			6	23.39	-1.91	21.48	<=33.01	Pass
			13	23.39	-1.91	21.48	<=33.01	Pass
		25	0	23.42	-1.91	21.51	<=33.01	Pass
16QAM	2572.5	1	0	22.73	-1.91	20.82	<=33.01	Pass
			13	22.73	-1.91	20.82	<=33.01	Pass
			24	22.70	-1.91	20.79	<=33.01	Pass
		12	0	21.71	-1.91	19.80	<=33.01	Pass
			6	21.30	-1.91	19.39	<=33.01	Pass
			13	21.68	-1.91	19.77	<=33.01	Pass
		25	0	21.77	-1.91	19.86	<=33.01	Pass
	2595	1	0	23.05	-1.91	21.14	<=33.01	Pass
			13	23.11	-1.91	21.20	<=33.01	Pass
			24	23.13	-1.91	21.22	<=33.01	Pass
		12	0	22.08	-1.91	20.17	<=33.01	Pass
			6	22.07	-1.91	20.16	<=33.01	Pass
			13	22.07	-1.91	20.16	<=33.01	Pass
		25	0	22.14	-1.91	20.23	<=33.01	Pass
	2617.5	1	0	23.39	-1.91	21.48	<=33.01	Pass
			13	23.42	-1.91	21.51	<=33.01	Pass
			24	23.37	-1.91	21.46	<=33.01	Pass
		12	0	22.40	-1.91	20.49	<=33.01	Pass
			6	22.38	-1.91	20.47	<=33.01	Pass
			13	22.39	-1.91	20.48	<=33.01	Pass
		25	0	22.47	-1.91	20.56	<=33.01	Pass
64QAM	2572.5	1	0	21.46	-1.91	19.55	<=33.01	Pass
			13	21.35	-1.91	19.44	<=33.01	Pass
			24	21.44	-1.91	19.53	<=33.01	Pass
		12	0	20.69	-1.91	18.78	<=33.01	Pass
			6	20.73	-1.91	18.82	<=33.01	Pass
			13	20.73	-1.91	18.82	<=33.01	Pass
		25	0	20.78	-1.91	18.87	<=33.01	Pass

	2595	1	0	21.76	-1.91	19.85	<=33.01	Pass	
			13	21.78	-1.91	19.87	<=33.01	Pass	
			24	21.75	-1.91	19.84	<=33.01	Pass	
		12	0	21.19	-1.91	19.28	<=33.01	Pass	
			6	21.17	-1.91	19.26	<=33.01	Pass	
			13	21.16	-1.91	19.25	<=33.01	Pass	
		25	0	21.17	-1.91	19.26	<=33.01	Pass	
		2617.5	1	0	22.09	-1.91	20.18	<=33.01	Pass
				13	22.02	-1.91	20.11	<=33.01	Pass
	24			22.09	-1.91	20.18	<=33.01	Pass	
	12		0	21.48	-1.91	19.57	<=33.01	Pass	
			6	21.48	-1.91	19.57	<=33.01	Pass	
			13	21.46	-1.91	19.55	<=33.01	Pass	
	25		0	21.47	-1.91	19.56	<=33.01	Pass	
256QAM	2572.5	1	0	18.60	-1.91	16.69	<=33.01	Pass	
			13	18.51	-1.91	16.60	<=33.01	Pass	
			24	18.59	-1.91	16.68	<=33.01	Pass	
		12	0	18.83	-1.91	16.92	<=33.01	Pass	
			6	18.78	-1.91	16.87	<=33.01	Pass	
			13	18.80	-1.91	16.89	<=33.01	Pass	
		25	0	18.69	-1.91	16.78	<=33.01	Pass	
	2595	1	0	18.95	-1.91	17.04	<=33.01	Pass	
			13	18.96	-1.91	17.05	<=33.01	Pass	
			24	19.00	-1.91	17.09	<=33.01	Pass	
		12	0	19.22	-1.91	17.31	<=33.01	Pass	
			6	19.15	-1.91	17.24	<=33.01	Pass	
			13	19.22	-1.91	17.31	<=33.01	Pass	
		25	0	19.17	-1.91	17.26	<=33.01	Pass	
	2617.5	1	0	19.29	-1.91	17.38	<=33.01	Pass	
			13	19.27	-1.91	17.36	<=33.01	Pass	
			24	19.26	-1.91	17.35	<=33.01	Pass	
		12	0	19.52	-1.91	17.61	<=33.01	Pass	
			6	19.50	-1.91	17.59	<=33.01	Pass	
			13	19.51	-1.91	17.60	<=33.01	Pass	
		25	0	19.45	-1.91	17.54	<=33.01	Pass	
Note1: EIRP=Conducted Power+Antenna Gain									

1.1.2 B38_10MHz_EIRP

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	23.72	-1.91	21.81	<=33.01	Pass
			25	23.66	-1.91	21.75	<=33.01	Pass
			49	23.79	-1.91	21.88	<=33.01	Pass
		25	0	22.75	-1.91	20.84	<=33.01	Pass
			13	22.76	-1.91	20.85	<=33.01	Pass
			25	22.83	-1.91	20.92	<=33.01	Pass
		50	0	22.80	-1.91	20.89	<=33.01	Pass
	2595	1	0	24.04	-1.91	22.13	<=33.01	Pass
			25	24.07	-1.91	22.16	<=33.01	Pass
			49	24.05	-1.91	22.14	<=33.01	Pass
		25	0	23.15	-1.91	21.24	<=33.01	Pass
			13	23.14	-1.91	21.23	<=33.01	Pass
			25	23.15	-1.91	21.24	<=33.01	Pass
		50	0	23.17	-1.91	21.26	<=33.01	Pass
	2615	1	0	24.34	-1.91	22.43	<=33.01	Pass

		25	25	24.30	-1.91	22.39	<=33.01	Pass
			49	24.33	-1.91	22.42	<=33.01	Pass
			0	23.40	-1.91	21.49	<=33.01	Pass
			13	23.39	-1.91	21.48	<=33.01	Pass
			25	23.39	-1.91	21.48	<=33.01	Pass
		50	0	23.42	-1.91	21.51	<=33.01	Pass
16QAM	2575	1	0	22.83	-1.91	20.92	<=33.01	Pass
			25	22.78	-1.91	20.87	<=33.01	Pass
			49	22.89	-1.91	20.98	<=33.01	Pass
		25	0	21.79	-1.91	19.88	<=33.01	Pass
			13	21.67	-1.91	19.76	<=33.01	Pass
			25	21.81	-1.91	19.90	<=33.01	Pass
		50	0	21.81	-1.91	19.90	<=33.01	Pass
	2595	1	0	23.15	-1.91	21.24	<=33.01	Pass
			25	23.18	-1.91	21.27	<=33.01	Pass
			49	23.16	-1.91	21.25	<=33.01	Pass
		25	0	22.18	-1.91	20.27	<=33.01	Pass
			13	22.16	-1.91	20.25	<=33.01	Pass
			25	22.17	-1.91	20.26	<=33.01	Pass
		50	0	22.20	-1.91	20.29	<=33.01	Pass
	2615	1	0	23.39	-1.91	21.48	<=33.01	Pass
			25	23.41	-1.91	21.50	<=33.01	Pass
			49	23.40	-1.91	21.49	<=33.01	Pass
		25	0	22.44	-1.91	20.53	<=33.01	Pass
			13	22.43	-1.91	20.52	<=33.01	Pass
			25	22.42	-1.91	20.51	<=33.01	Pass
		50	0	22.46	-1.91	20.55	<=33.01	Pass
64QAM	2575	1	0	21.45	-1.91	19.54	<=33.01	Pass
			25	21.42	-1.91	19.51	<=33.01	Pass
			49	21.54	-1.91	19.63	<=33.01	Pass
		25	0	20.79	-1.91	18.88	<=33.01	Pass
			13	20.80	-1.91	18.89	<=33.01	Pass
			25	20.85	-1.91	18.94	<=33.01	Pass
		50	0	20.79	-1.91	18.88	<=33.01	Pass
	2595	1	0	21.76	-1.91	19.85	<=33.01	Pass
			25	21.79	-1.91	19.88	<=33.01	Pass
			49	21.78	-1.91	19.87	<=33.01	Pass
		25	0	21.19	-1.91	19.28	<=33.01	Pass
			13	21.20	-1.91	19.29	<=33.01	Pass
			25	21.20	-1.91	19.29	<=33.01	Pass
		50	0	21.17	-1.91	19.26	<=33.01	Pass
	2615	1	0	22.10	-1.91	20.19	<=33.01	Pass
			25	22.09	-1.91	20.18	<=33.01	Pass
			49	22.10	-1.91	20.19	<=33.01	Pass
		25	0	21.45	-1.91	19.54	<=33.01	Pass
			13	21.44	-1.91	19.53	<=33.01	Pass
			25	21.44	-1.91	19.53	<=33.01	Pass
		50	0	21.44	-1.91	19.53	<=33.01	Pass
256QAM	2575	1	0	18.68	-1.91	16.77	<=33.01	Pass
			25	18.62	-1.91	16.71	<=33.01	Pass
			49	18.71	-1.91	16.80	<=33.01	Pass
		25	0	18.78	-1.91	16.87	<=33.01	Pass
			13	18.68	-1.91	16.77	<=33.01	Pass
			25	18.83	-1.91	16.92	<=33.01	Pass
		50	0	18.73	-1.91	16.82	<=33.01	Pass
	2595	1	0	18.95	-1.91	17.04	<=33.01	Pass
			25	19.00	-1.91	17.09	<=33.01	Pass
			49	18.92	-1.91	17.01	<=33.01	Pass
		25	0	19.19	-1.91	17.28	<=33.01	Pass

		50	13	19.18	-1.91	17.27	<=33.01	Pass
			25	19.19	-1.91	17.28	<=33.01	Pass
			0	19.23	-1.91	17.32	<=33.01	Pass
	2615	1	0	19.34	-1.91	17.43	<=33.01	Pass
			25	19.24	-1.91	17.33	<=33.01	Pass
			49	19.29	-1.91	17.38	<=33.01	Pass
		25	0	19.44	-1.91	17.53	<=33.01	Pass
			13	19.42	-1.91	17.51	<=33.01	Pass
			25	19.44	-1.91	17.53	<=33.01	Pass
		50	0	19.48	-1.91	17.57	<=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	23.68	-1.91	21.77	<=33.01	Pass
			38	23.74	-1.91	21.83	<=33.01	Pass
			74	23.91	-1.91	22.00	<=33.01	Pass
		36	0	22.53	-1.91	20.62	<=33.01	Pass
			18	22.67	-1.91	20.76	<=33.01	Pass
			39	22.69	-1.91	20.78	<=33.01	Pass
		75	0	22.75	-1.91	20.84	<=33.01	Pass
	2595	1	0	24.00	-1.91	22.09	<=33.01	Pass
			38	24.12	-1.91	22.21	<=33.01	Pass
			74	24.02	-1.91	22.11	<=33.01	Pass
		36	0	23.13	-1.91	21.22	<=33.01	Pass
			18	23.15	-1.91	21.24	<=33.01	Pass
			39	23.11	-1.91	21.20	<=33.01	Pass
		75	0	23.16	-1.91	21.25	<=33.01	Pass
	2612.5	1	0	24.43	-1.91	22.52	<=33.01	Pass
			38	24.31	-1.91	22.40	<=33.01	Pass
			74	24.32	-1.91	22.41	<=33.01	Pass
		36	0	23.41	-1.91	21.50	<=33.01	Pass
			18	23.37	-1.91	21.46	<=33.01	Pass
			39	23.37	-1.91	21.46	<=33.01	Pass
		75	0	23.40	-1.91	21.49	<=33.01	Pass
16QAM	2577.5	1	0	22.82	-1.91	20.91	<=33.01	Pass
			38	22.87	-1.91	20.96	<=33.01	Pass
			74	23.02	-1.91	21.11	<=33.01	Pass
		36	0	21.75	-1.91	19.84	<=33.01	Pass
			18	21.78	-1.91	19.87	<=33.01	Pass
			39	21.85	-1.91	19.94	<=33.01	Pass
		75	0	21.87	-1.91	19.96	<=33.01	Pass
	2595	1	0	23.10	-1.91	21.19	<=33.01	Pass
			38	23.19	-1.91	21.28	<=33.01	Pass
			74	23.13	-1.91	21.22	<=33.01	Pass
		36	0	22.12	-1.91	20.21	<=33.01	Pass
			18	22.13	-1.91	20.22	<=33.01	Pass
			39	22.11	-1.91	20.20	<=33.01	Pass
		75	0	22.20	-1.91	20.29	<=33.01	Pass
	2612.5	1	0	23.51	-1.91	21.60	<=33.01	Pass
			38	23.33	-1.91	21.42	<=33.01	Pass
			74	23.41	-1.91	21.50	<=33.01	Pass
		36	0	22.42	-1.91	20.51	<=33.01	Pass
			18	22.36	-1.91	20.45	<=33.01	Pass

			39	22.37	-1.91	20.46	<=33.01	Pass	
		75	0	22.44	-1.91	20.53	<=33.01	Pass	
64QAM	2577.5	1	0	21.42	-1.91	19.51	<=33.01	Pass	
			38	21.47	-1.91	19.56	<=33.01	Pass	
			74	21.65	-1.91	19.74	<=33.01	Pass	
			0	20.69	-1.91	18.78	<=33.01	Pass	
		36	18	20.80	-1.91	18.89	<=33.01	Pass	
			39	20.87	-1.91	18.96	<=33.01	Pass	
			75	0	20.86	-1.91	18.95	<=33.01	Pass
		2595	1	0	21.73	-1.91	19.82	<=33.01	Pass
				38	21.87	-1.91	19.96	<=33.01	Pass
				74	21.75	-1.91	19.84	<=33.01	Pass
	0			21.14	-1.91	19.23	<=33.01	Pass	
	36		18	21.14	-1.91	19.23	<=33.01	Pass	
			39	21.12	-1.91	19.21	<=33.01	Pass	
			75	0	21.20	-1.91	19.29	<=33.01	Pass
	2612.5		1	0	22.18	-1.91	20.27	<=33.01	Pass
		38		22.00	-1.91	20.09	<=33.01	Pass	
		74		22.01	-1.91	20.10	<=33.01	Pass	
		0		21.42	-1.91	19.51	<=33.01	Pass	
		36	18	21.38	-1.91	19.47	<=33.01	Pass	
			39	21.39	-1.91	19.48	<=33.01	Pass	
			75	0	21.44	-1.91	19.53	<=33.01	Pass
		256QAM	2577.5	1	0	18.63	-1.91	16.72	<=33.01
	38				18.67	-1.91	16.76	<=33.01	Pass
74	18.85				-1.91	16.94	<=33.01	Pass	
36	0			18.78	-1.91	16.87	<=33.01	Pass	
	18			18.81	-1.91	16.90	<=33.01	Pass	
	39			18.89	-1.91	16.98	<=33.01	Pass	
75	0			18.87	-1.91	16.96	<=33.01	Pass	
2595	1		0	18.95	-1.91	17.04	<=33.01	Pass	
			38	19.06	-1.91	17.15	<=33.01	Pass	
			74	18.99	-1.91	17.08	<=33.01	Pass	
	36		0	19.15	-1.91	17.24	<=33.01	Pass	
			18	19.18	-1.91	17.27	<=33.01	Pass	
			39	19.13	-1.91	17.22	<=33.01	Pass	
	75		0	19.07	-1.91	17.16	<=33.01	Pass	
2612.5	1		0	19.40	-1.91	17.49	<=33.01	Pass	
			38	19.27	-1.91	17.36	<=33.01	Pass	
			74	19.30	-1.91	17.39	<=33.01	Pass	
	36		0	19.43	-1.91	17.52	<=33.01	Pass	
			18	19.39	-1.91	17.48	<=33.01	Pass	
			39	19.39	-1.91	17.48	<=33.01	Pass	
	75		0	19.43	-1.91	17.52	<=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	23.71	-1.91	21.80	<=33.01	Pass
			50	23.78	-1.91	21.87	<=33.01	Pass
			99	24.01	-1.91	22.10	<=33.01	Pass
		50	0	22.76	-1.91	20.85	<=33.01	Pass
			25	22.80	-1.91	20.89	<=33.01	Pass
			50	22.87	-1.91	20.96	<=33.01	Pass

		100	0	22.80	-1.91	20.89	<=33.01	Pass	
		2595	1	0	24.02	-1.91	22.11	<=33.01	Pass
				50	24.13	-1.91	22.22	<=33.01	Pass
				99	24.09	-1.91	22.18	<=33.01	Pass
				0	23.17	-1.91	21.26	<=33.01	Pass
			50	25	23.20	-1.91	21.29	<=33.01	Pass
				50	23.16	-1.91	21.25	<=33.01	Pass
		100	0	23.16	-1.91	21.25	<=33.01	Pass	
		2610	1	0	24.36	-1.91	22.45	<=33.01	Pass
				50	24.30	-1.91	22.39	<=33.01	Pass
				99	24.32	-1.91	22.41	<=33.01	Pass
				0	23.48	-1.91	21.57	<=33.01	Pass
			50	25	23.43	-1.91	21.52	<=33.01	Pass
				50	23.42	-1.91	21.51	<=33.01	Pass
				100	0	23.42	-1.91	21.51	<=33.01
			16QAM	2580	1	0	22.74	-1.91	20.83
50	22.89	-1.91				20.98	<=33.01	Pass	
99	23.10	-1.91				21.19	<=33.01	Pass	
50	0	21.86			-1.91	19.95	<=33.01	Pass	
	25	21.90			-1.91	19.99	<=33.01	Pass	
	50	21.98			-1.91	20.07	<=33.01	Pass	
100	0	21.92			-1.91	20.01	<=33.01	Pass	
2595	1	0			23.11	-1.91	21.20	<=33.01	Pass
		50		23.22	-1.91	21.31	<=33.01	Pass	
		99		23.16	-1.91	21.25	<=33.01	Pass	
	50	0		22.19	-1.91	20.28	<=33.01	Pass	
		25		22.22	-1.91	20.31	<=33.01	Pass	
		50		22.19	-1.91	20.28	<=33.01	Pass	
	100	0		22.17	-1.91	20.26	<=33.01	Pass	
2610	1	0		23.27	-1.91	21.36	<=33.01	Pass	
		50		23.37	-1.91	21.46	<=33.01	Pass	
		99		23.43	-1.91	21.52	<=33.01	Pass	
	50	0		22.51	-1.91	20.60	<=33.01	Pass	
		25		22.30	-1.91	20.39	<=33.01	Pass	
		50		22.45	-1.91	20.54	<=33.01	Pass	
	100	0		22.45	-1.91	20.54	<=33.01	Pass	
	64QAM	2580		1	0	21.44	-1.91	19.53	<=33.01
50					21.52	-1.91	19.61	<=33.01	Pass
99					21.72	-1.91	19.81	<=33.01	Pass
50			0	20.84	-1.91	18.93	<=33.01	Pass	
			25	20.88	-1.91	18.97	<=33.01	Pass	
			50	20.96	-1.91	19.05	<=33.01	Pass	
100			0	20.88	-1.91	18.97	<=33.01	Pass	
2595			1	0	21.72	-1.91	19.81	<=33.01	Pass
		50		21.86	-1.91	19.95	<=33.01	Pass	
		99		21.82	-1.91	19.91	<=33.01	Pass	
		50	0	21.17	-1.91	19.26	<=33.01	Pass	
			25	21.21	-1.91	19.30	<=33.01	Pass	
			50	21.17	-1.91	19.26	<=33.01	Pass	
		100	0	21.15	-1.91	19.24	<=33.01	Pass	
2610		1	0	22.13	-1.91	20.22	<=33.01	Pass	
			50	22.07	-1.91	20.16	<=33.01	Pass	
			99	22.12	-1.91	20.21	<=33.01	Pass	
		50	0	21.50	-1.91	19.59	<=33.01	Pass	
			25	21.44	-1.91	19.53	<=33.01	Pass	
			50	21.44	-1.91	19.53	<=33.01	Pass	
		100	0	21.45	-1.91	19.54	<=33.01	Pass	
		256QAM	2580	1	0	18.65	-1.91	16.74	<=33.01
				50	18.70	-1.91	16.79	<=33.01	Pass

			99	18.94	-1.91	17.03	<=33.01	Pass		
		50	0	18.88	-1.91	16.97	<=33.01	Pass		
			25	18.93	-1.91	17.02	<=33.01	Pass		
			50	19.01	-1.91	17.10	<=33.01	Pass		
			100	0	18.89	-1.91	16.98	<=33.01	Pass	
	2595	1	0	18.92	-1.91	17.01	<=33.01	Pass		
			50	19.05	-1.91	17.14	<=33.01	Pass		
			99	19.01	-1.91	17.10	<=33.01	Pass		
		50	0	19.21	-1.91	17.30	<=33.01	Pass		
			25	19.25	-1.91	17.34	<=33.01	Pass		
			50	19.21	-1.91	17.30	<=33.01	Pass		
		100	0	19.17	-1.91	17.26	<=33.01	Pass		
		2610	1	0	19.15	-1.91	17.24	<=33.01	Pass	
				50	19.23	-1.91	17.32	<=33.01	Pass	
	99			19.22	-1.91	17.31	<=33.01	Pass		
	50		0	19.54	-1.91	17.63	<=33.01	Pass		
			25	19.48	-1.91	17.57	<=33.01	Pass		
			50	19.49	-1.91	17.58	<=33.01	Pass		
	100		0	19.44	-1.91	17.53	<=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	-5.800	-0.0022	-2.5 to 2.5	Pass
					NV	12.400	0.0048	-2.5 to 2.5	Pass
					HV	7.600	0.0029	-2.5 to 2.5	Pass
				-30	NV	-14.000	-0.0054	-2.5 to 2.5	Pass
				-20	NV	-13.600	-0.0052	-2.5 to 2.5	Pass
				-10	NV	9.400	0.0036	-2.5 to 2.5	Pass
				0	NV	6.200	0.0024	-2.5 to 2.5	Pass
				10	NV	0.800	0.0003	-2.5 to 2.5	Pass
				30	NV	10.700	0.0041	-2.5 to 2.5	Pass
				40	NV	-4.900	-0.0019	-2.5 to 2.5	Pass
				50	NV	7.400	0.0029	-2.5 to 2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 Band38_OBW

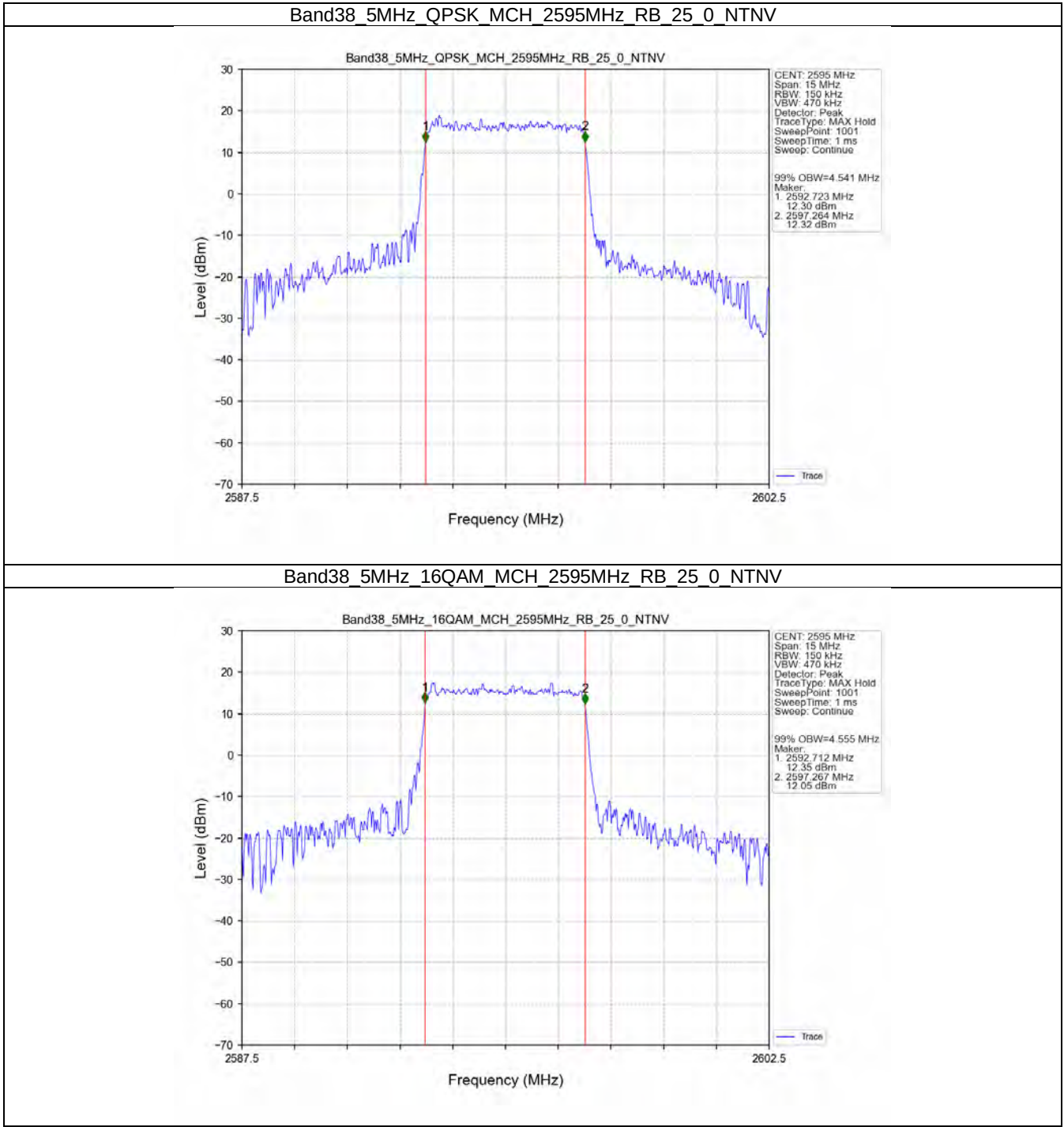
Band: 38 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2595	25	0	4.541	/	Pass
	16QAM	2595	25	0	4.555	/	Pass
	64QAM	2595	25	0	4.537	/	Pass
	256QAM	2595	25	0	4.549	/	Pass
10	QPSK	2595	50	0	9.058	/	Pass
	16QAM	2595	50	0	9.058	/	Pass
	64QAM	2595	50	0	9.061	/	Pass
	256QAM	2595	50	0	9.048	/	Pass
15	QPSK	2595	75	0	13.661	/	Pass
	16QAM	2595	75	0	13.602	/	Pass
	64QAM	2595	75	0	13.611	/	Pass
	256QAM	2595	75	0	13.639	/	Pass
20	QPSK	2595	100	0	18.113	/	Pass
	16QAM	2595	100	0	18.164	/	Pass
	64QAM	2595	100	0	18.080	/	Pass
	256QAM	2595	100	0	18.104	/	Pass

3.1.2 Band38_XDB

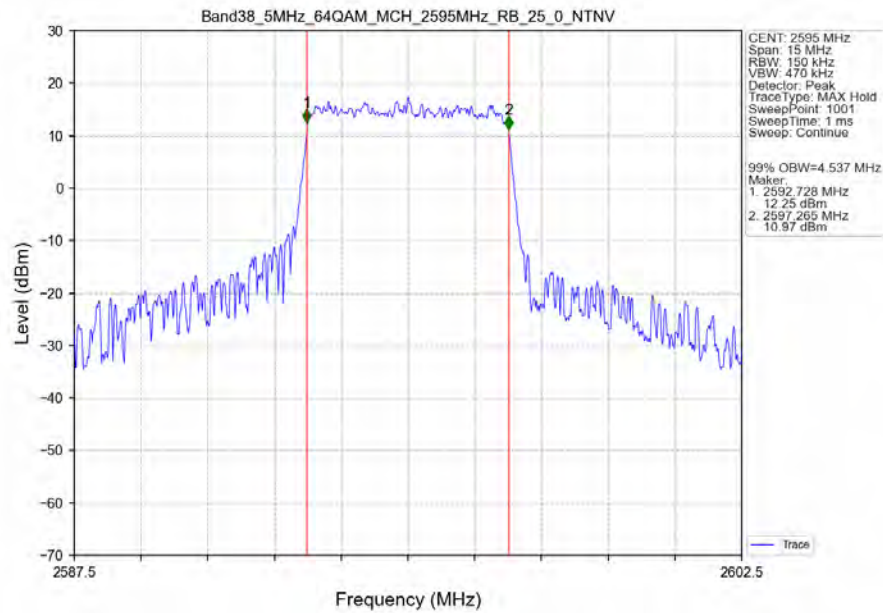
Band: 38 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2595	25	0	5.125	/	Pass
	16QAM	2595	25	0	5.247	/	Pass
	64QAM	2595	25	0	5.097	/	Pass
	256QAM	2595	25	0	5.749	/	Pass
10	QPSK	2595	50	0	10.954	/	Pass
	16QAM	2595	50	0	10.670	/	Pass
	64QAM	2595	50	0	11.487	/	Pass
	256QAM	2595	50	0	9.894	/	Pass
15	QPSK	2595	75	0	20.249	/	Pass
	16QAM	2595	75	0	15.782	/	Pass
	64QAM	2595	75	0	17.780	/	Pass
	256QAM	2595	75	0	18.864	/	Pass
20	QPSK	2595	100	0	23.182	/	Pass
	16QAM	2595	100	0	25.979	/	Pass
	64QAM	2595	100	0	21.262	/	Pass
	256QAM	2595	100	0	21.168	/	Pass

3.2 Test Graph

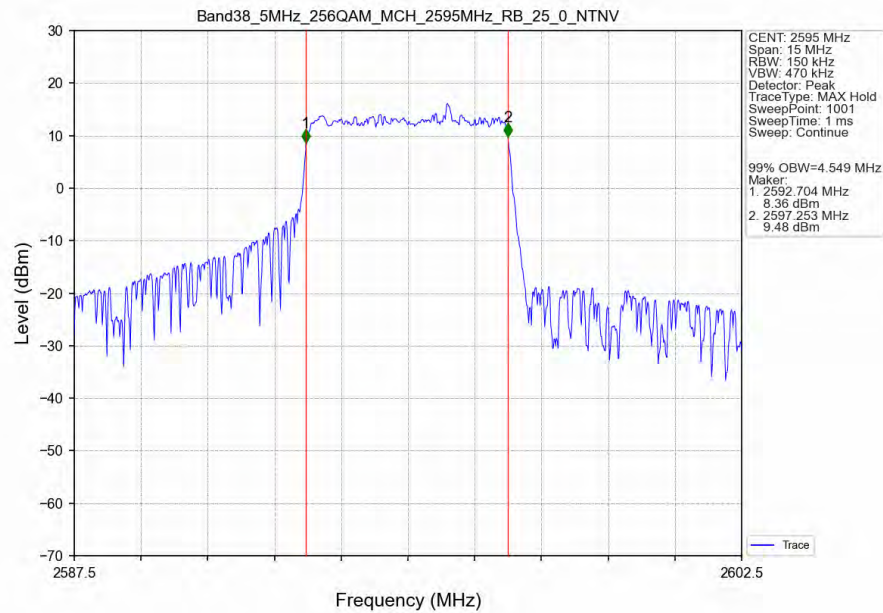
3.2.1 Band38_OBW



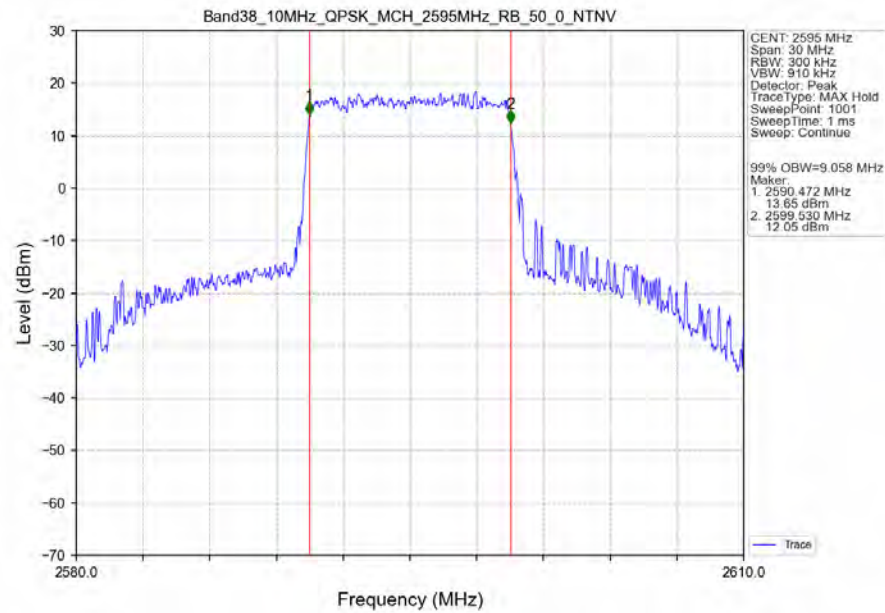
Band38 5MHz 64QAM MCH 2595MHz RB 25 0 NTN



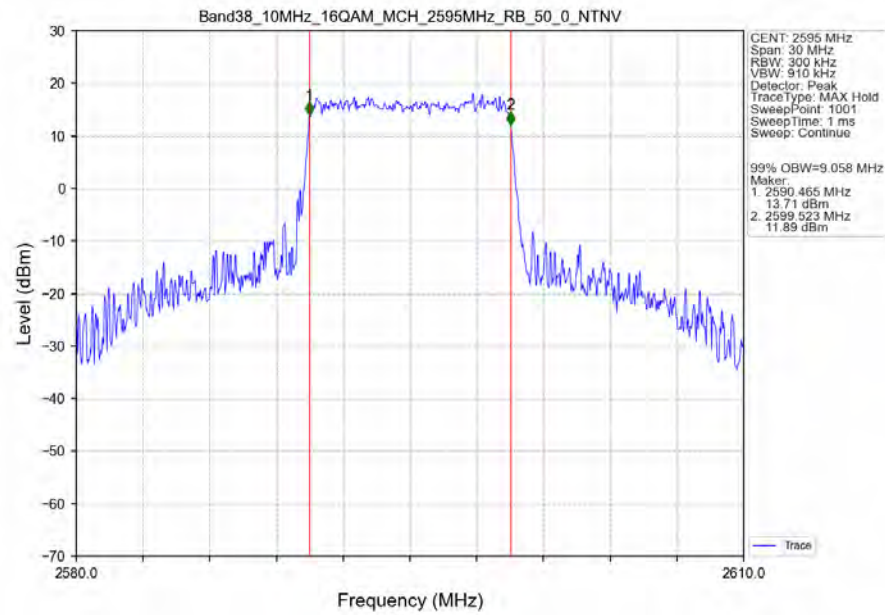
Band38 5MHz 256QAM MCH 2595MHz RB 25 0 NTN



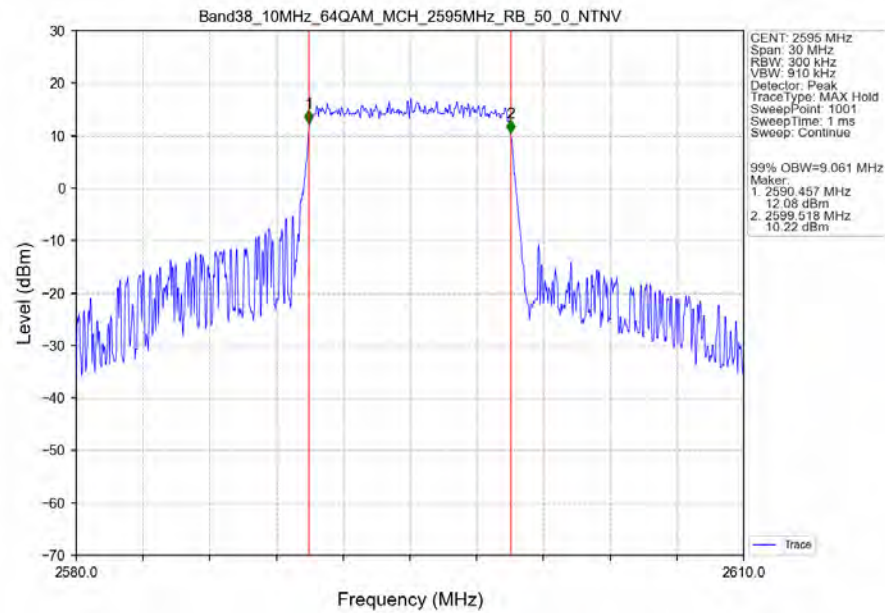
Band38_10MHz_QPSK_MCH_2595MHz_RB_50_0_NTNV



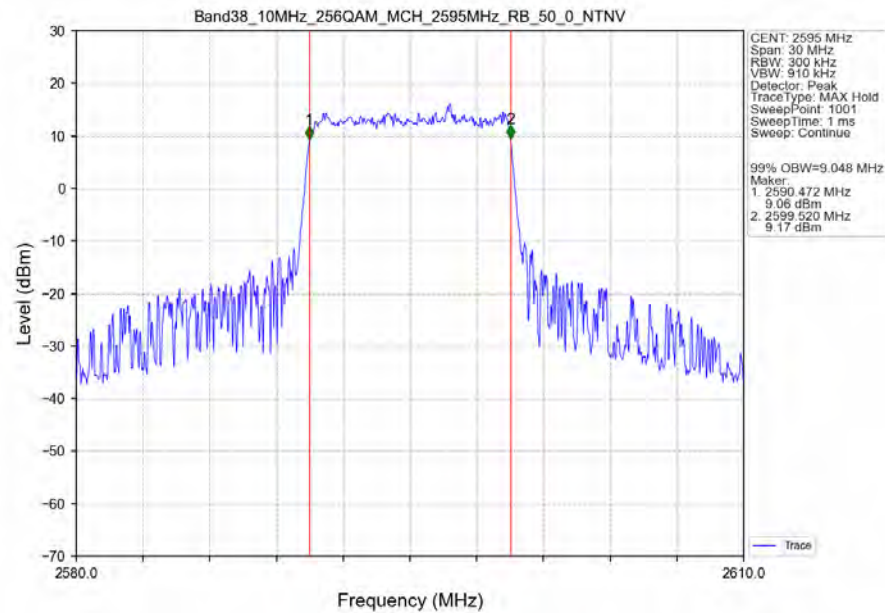
Band38_10MHz_16QAM_MCH_2595MHz_RB_50_0_NTNV



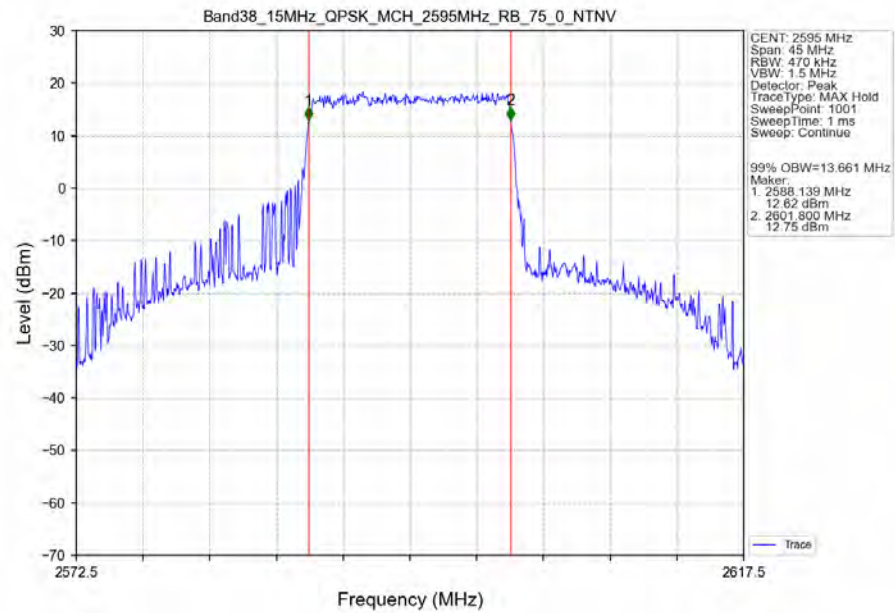
Band38 10MHz 64QAM MCH 2595MHz RB 50 0 NTNV



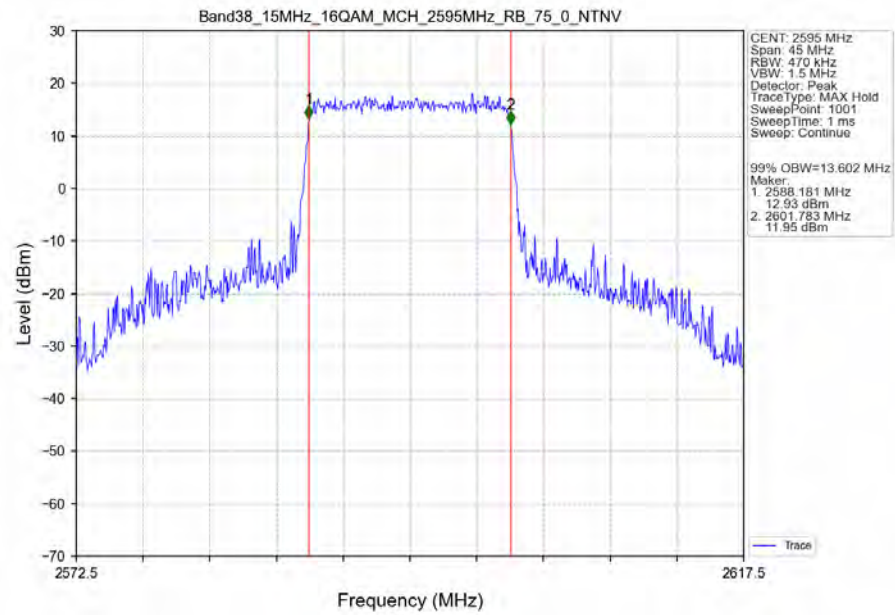
Band38 10MHz 256QAM MCH 2595MHz RB 50 0 NTNV



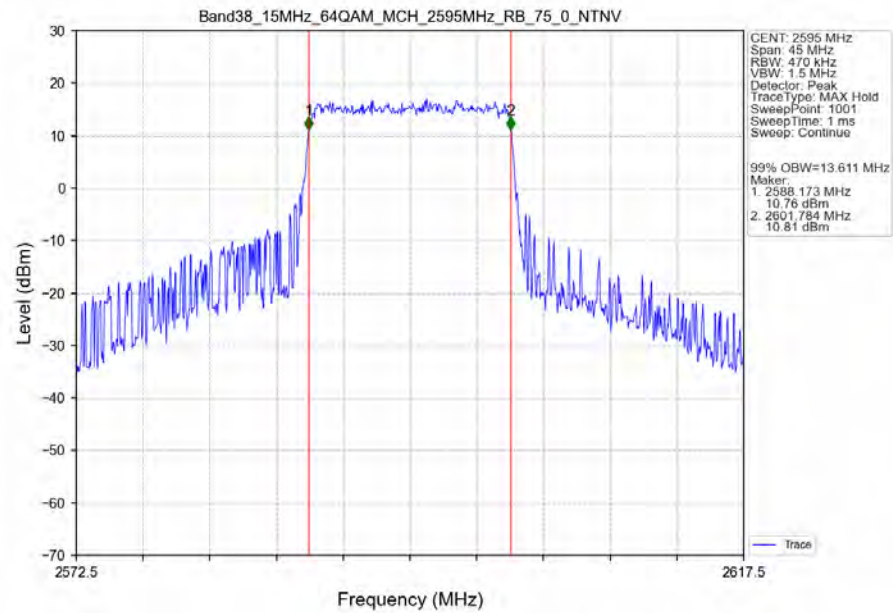
Band38_15MHz_QPSK_MCH_2595MHz_RB_75_0_NTNV



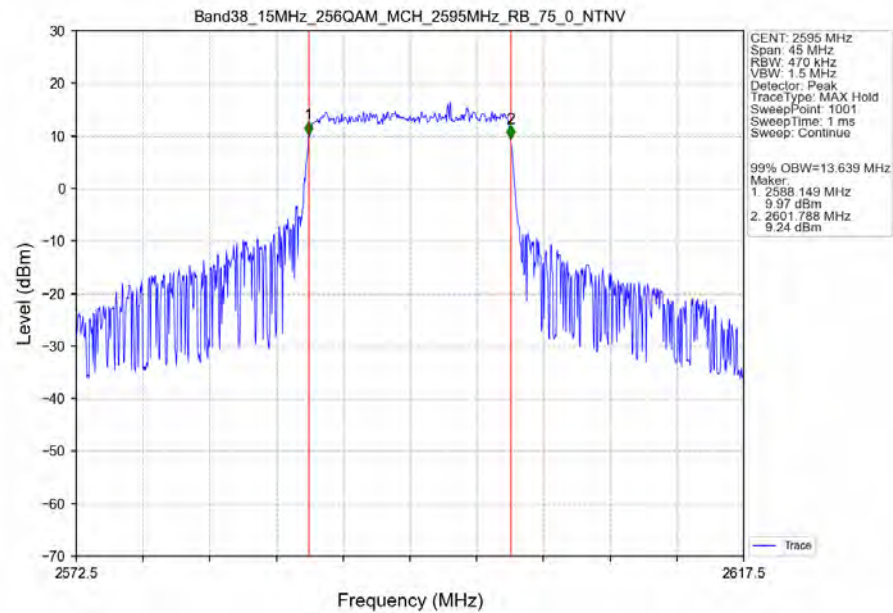
Band38_15MHz_16QAM_MCH_2595MHz_RB_75_0_NTNV



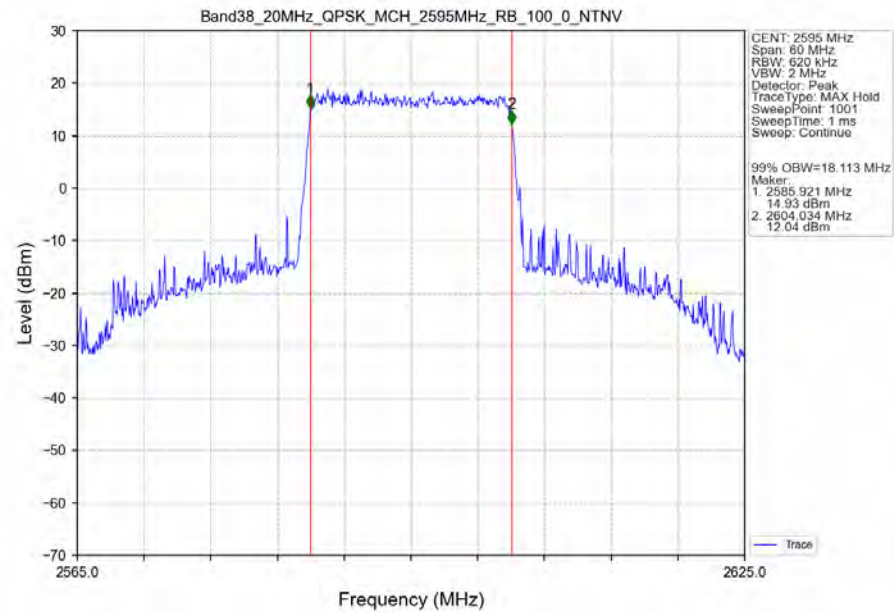
Band38 15MHz 64QAM MCH 2595MHz RB 75 0 NTNV



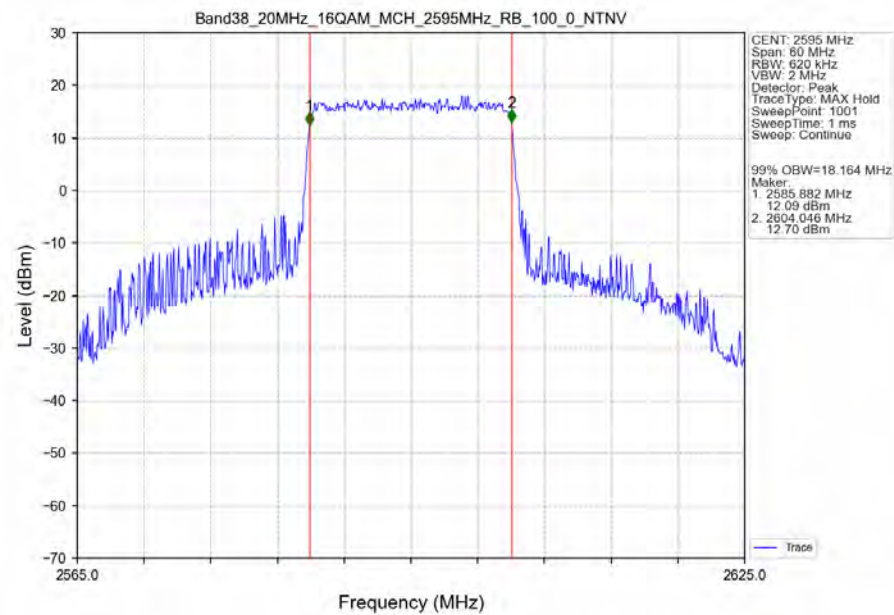
Band38 15MHz 256QAM MCH 2595MHz RB 75 0 NTNV



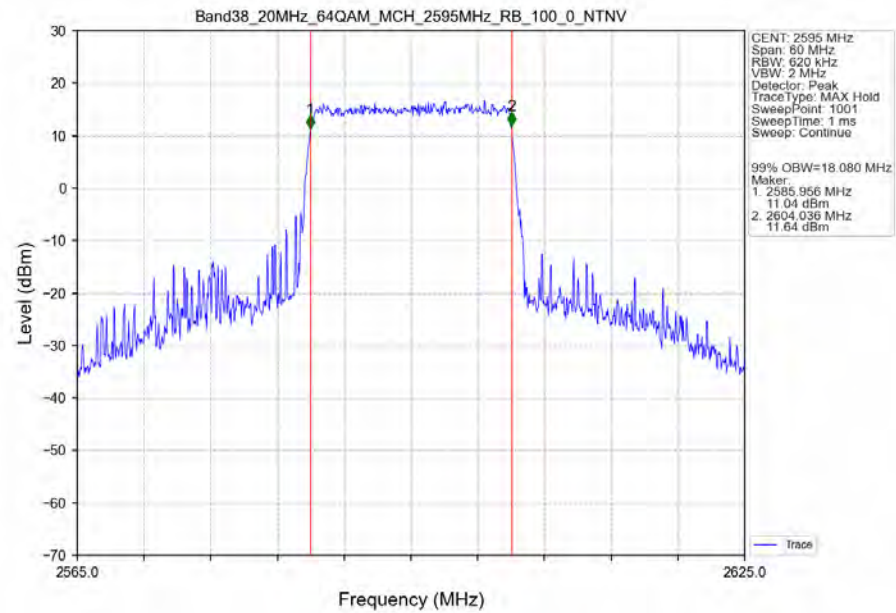
Band38 20MHz QPSK MCH 2595MHz RB 100 0 NTV



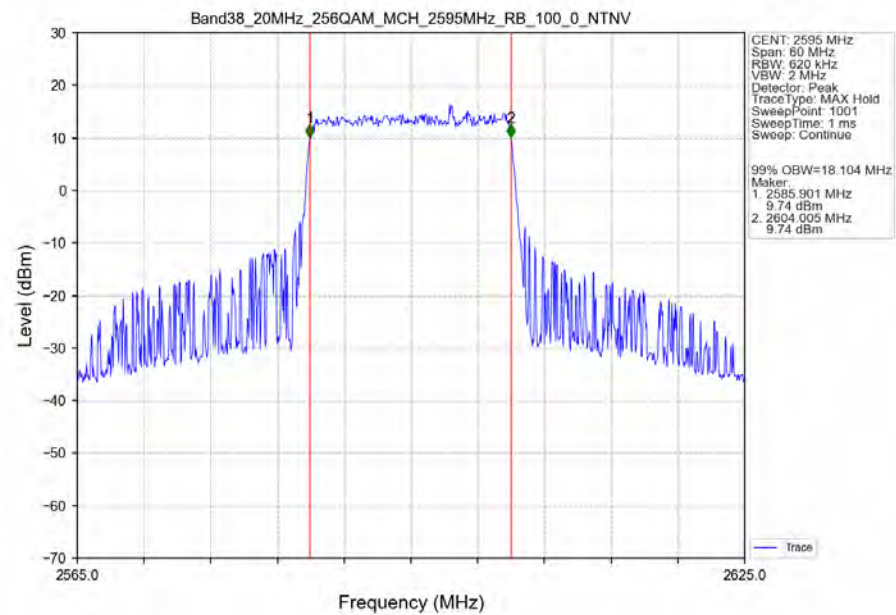
Band38 20MHz 16QAM MCH 2595MHz RB 100 0 NTV



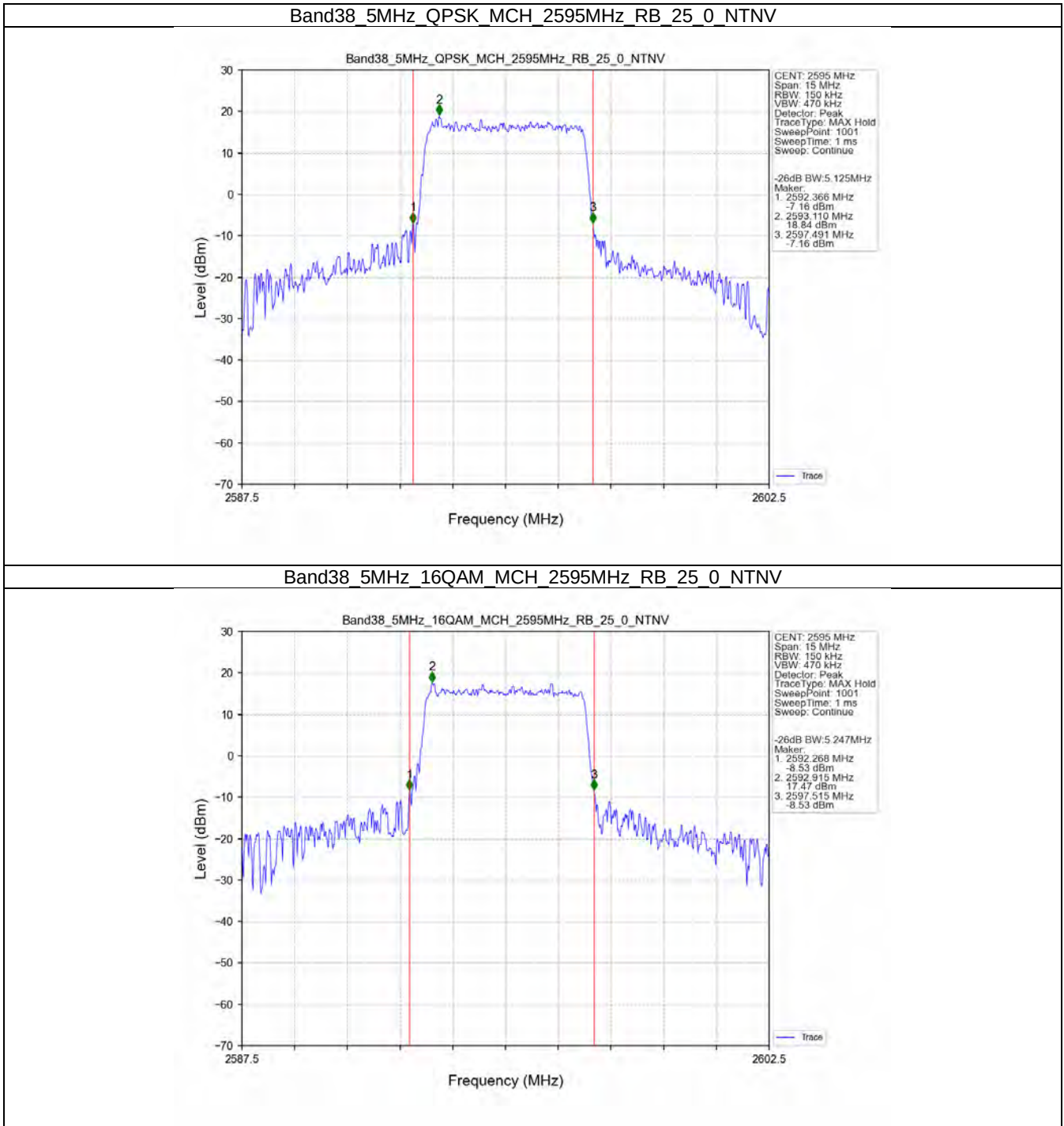
Band38_20MHz_64QAM_MCH_2595MHz_RB_100_0_NTNV



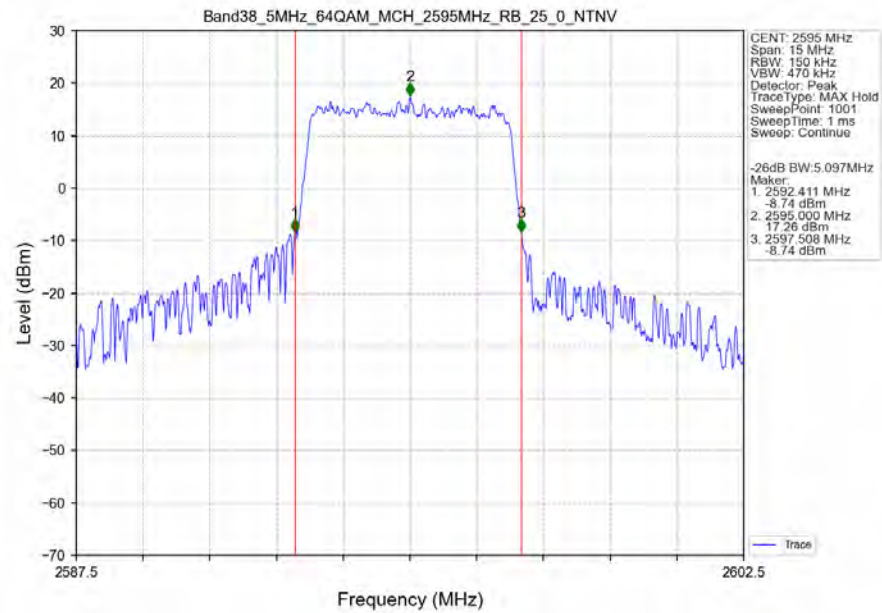
Band38_20MHz_256QAM_MCH_2595MHz_RB_100_0_NTNV



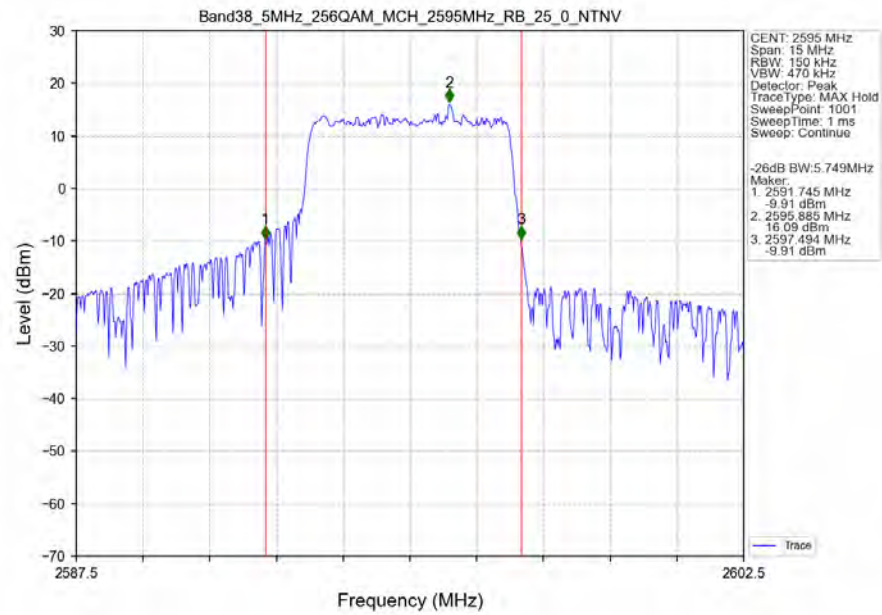
3.2.2 Band38_XDB



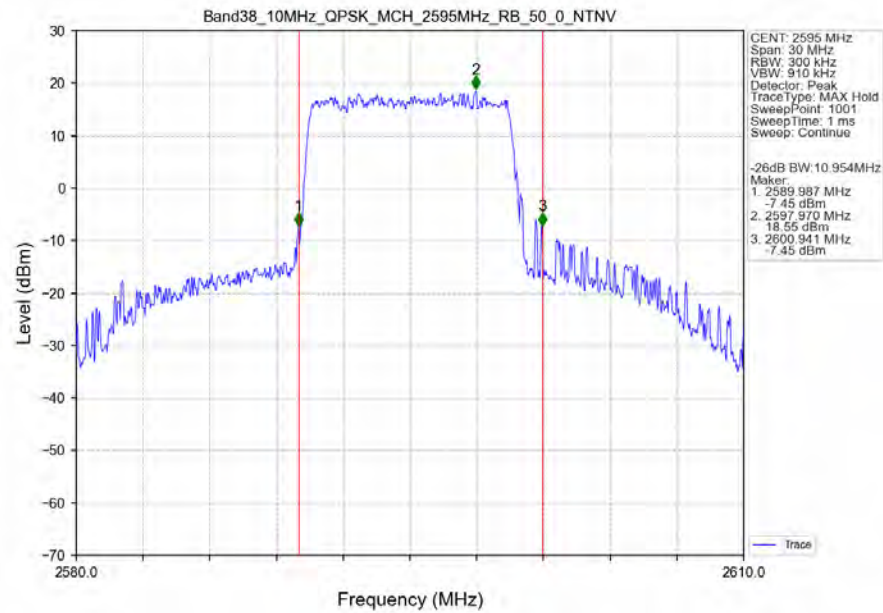
Band38 5MHz 64QAM MCH 2595MHz RB 25 0 NTNV



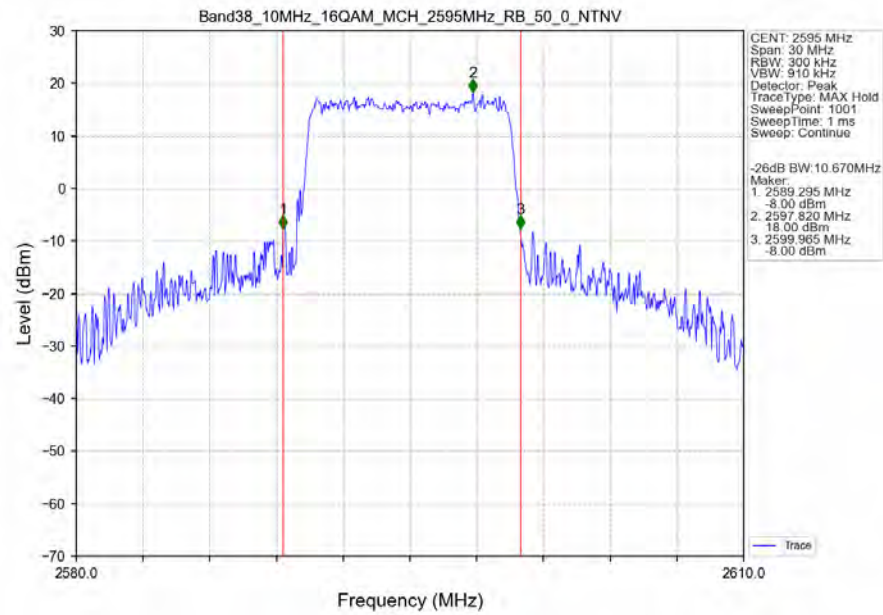
Band38 5MHz 256QAM MCH 2595MHz RB 25 0 NTNV



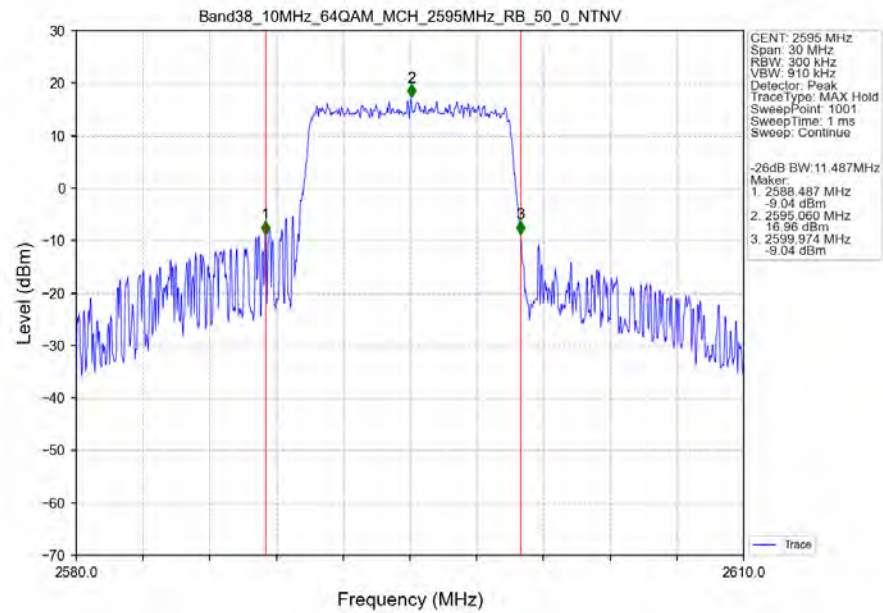
Band38_10MHz_QPSK_MCH_2595MHz_RB_50_0_NTNV



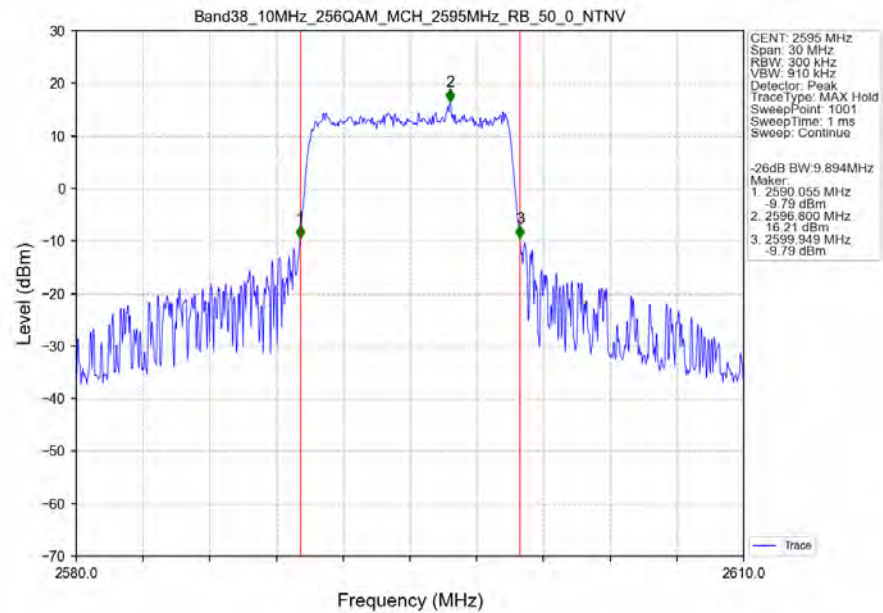
Band38_10MHz_16QAM_MCH_2595MHz_RB_50_0_NTNV



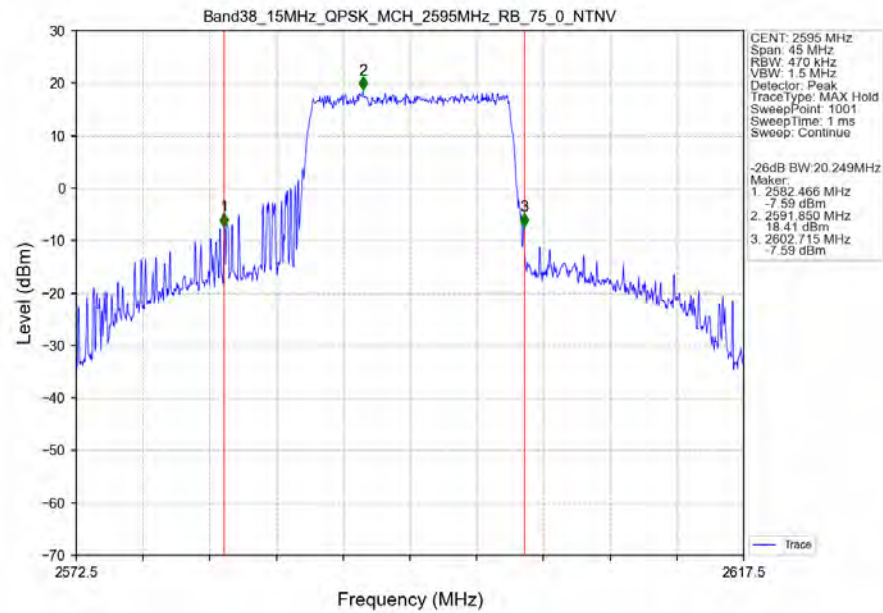
Band38 10MHz 64QAM MCH 2595MHz RB 50 0 NTN



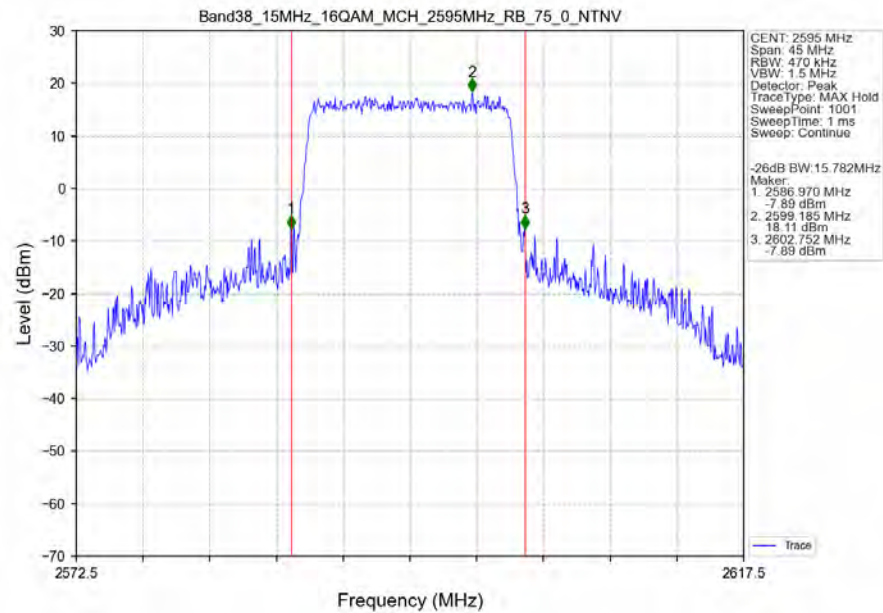
Band38 10MHz 256QAM MCH 2595MHz RB 50 0 NTN



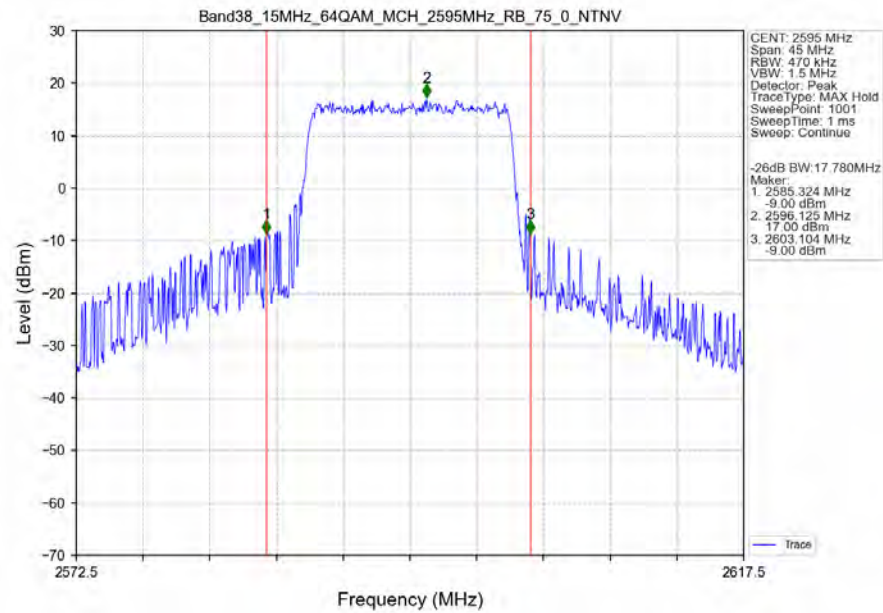
Band38_15MHz_QPSK_MCH_2595MHz_RB_75_0_NTNV



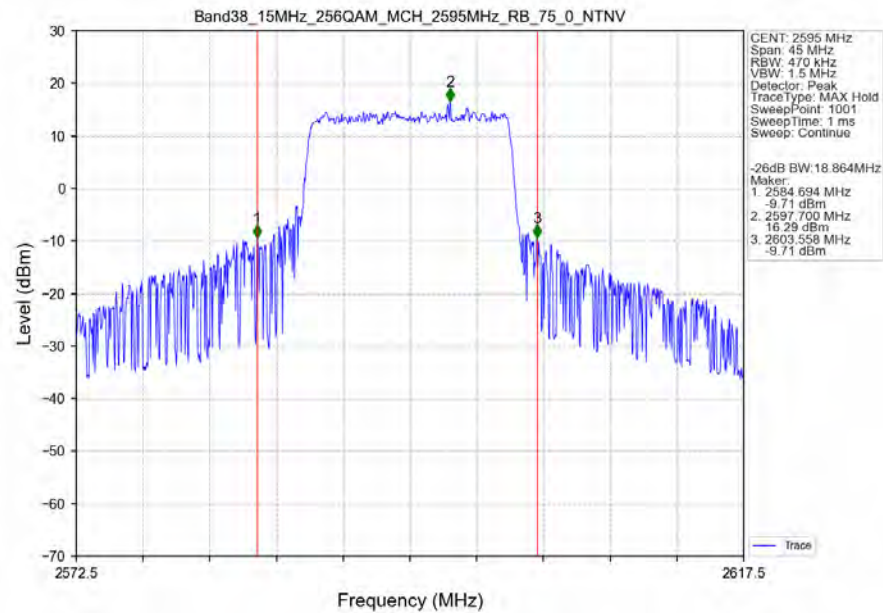
Band38_15MHz_16QAM_MCH_2595MHz_RB_75_0_NTNV



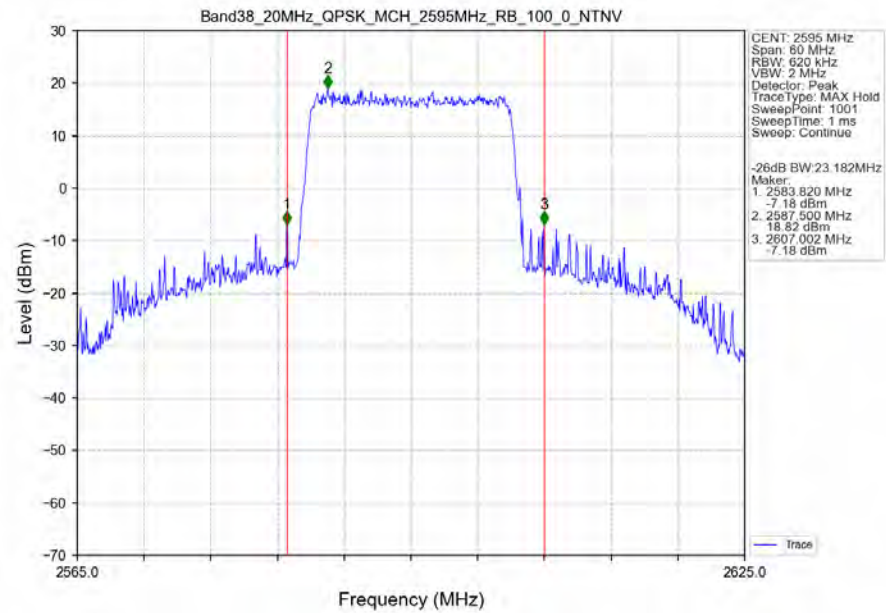
Band38 15MHz 64QAM MCH 2595MHz RB 75 0 NTNV



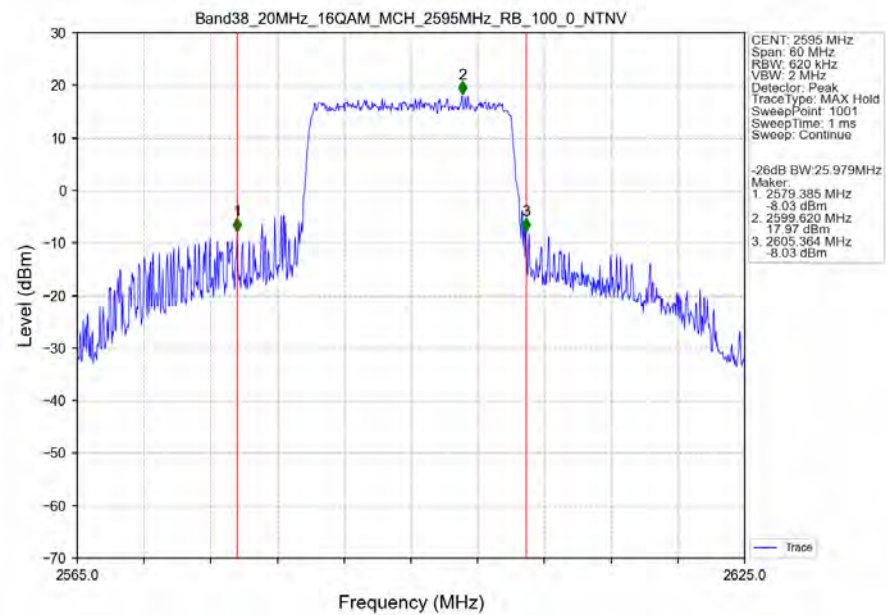
Band38 15MHz 256QAM MCH 2595MHz RB 75 0 NTNV



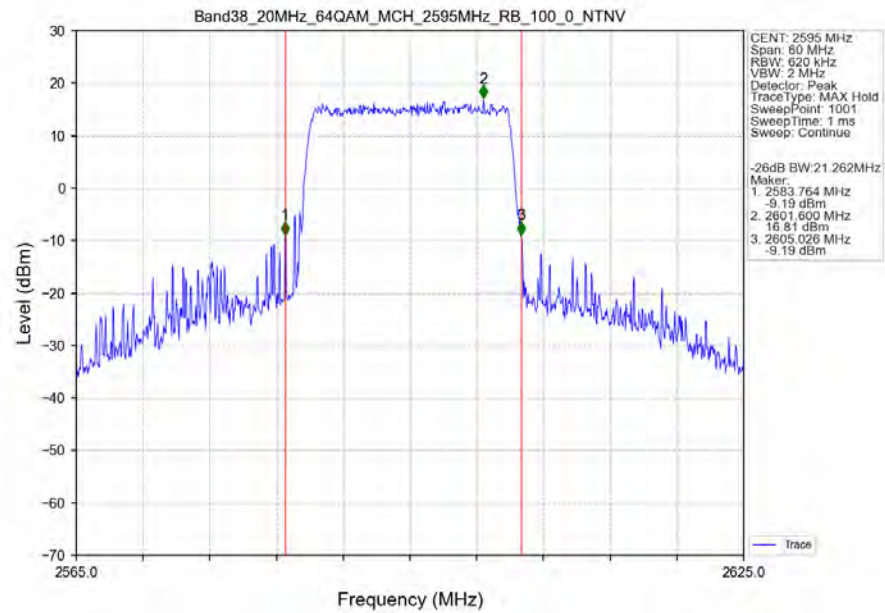
Band38 20MHz QPSK MCH 2595MHz RB 100 0 NTN



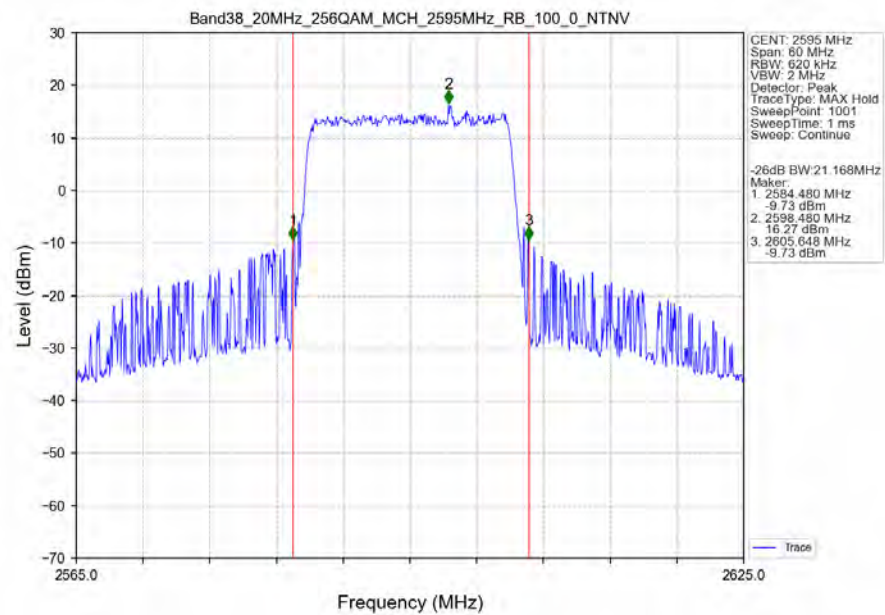
Band38 20MHz 16QAM MCH 2595MHz RB 100 0 NTN



Band38_20MHz_64QAM_MCH_2595MHz_RB_100_0_NTNV



Band38_20MHz_256QAM_MCH_2595MHz_RB_100_0_NTNV



4. Peak-Average Ratio

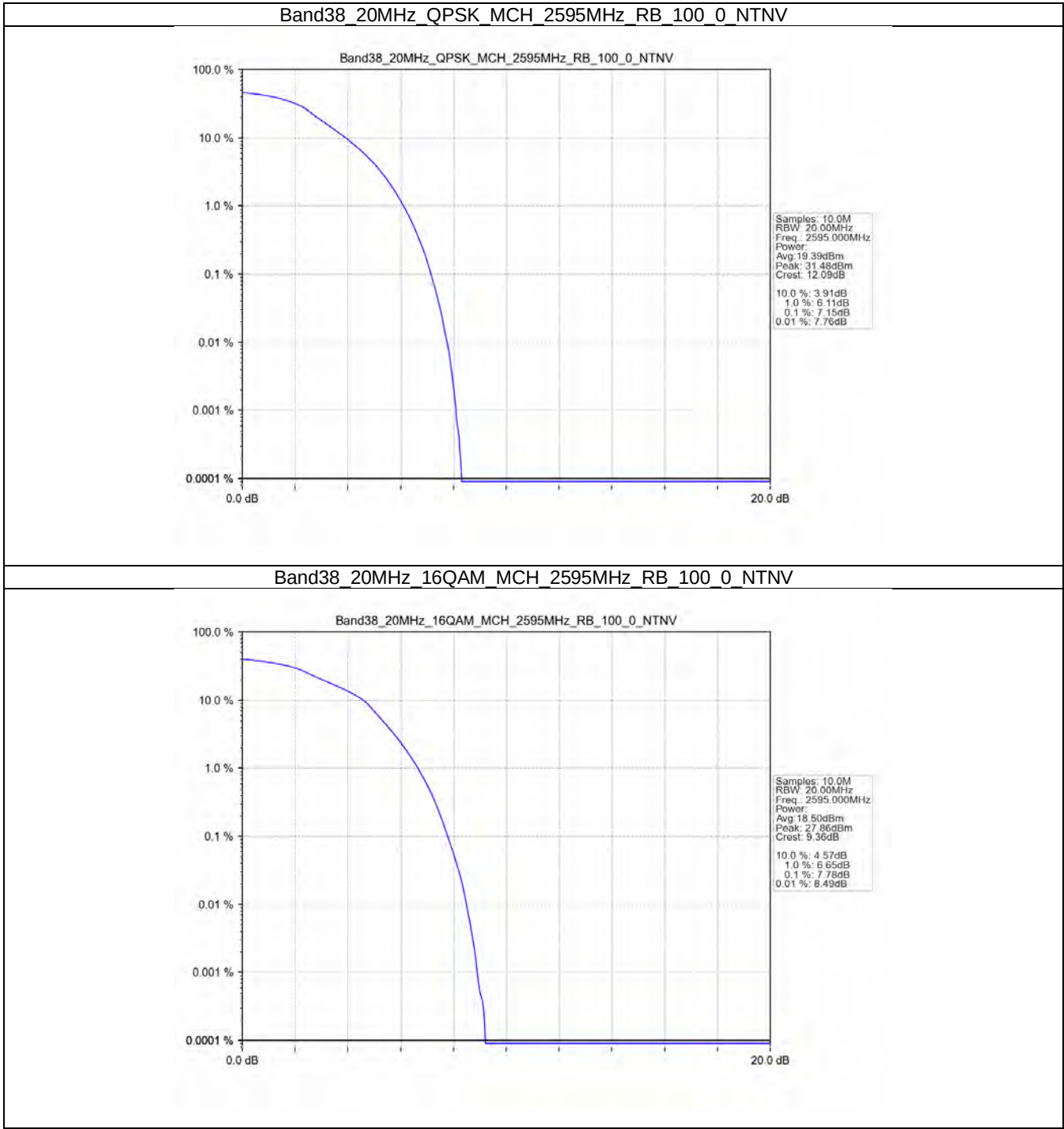
4.1 Test Result

4.1.1 B38_20MHz

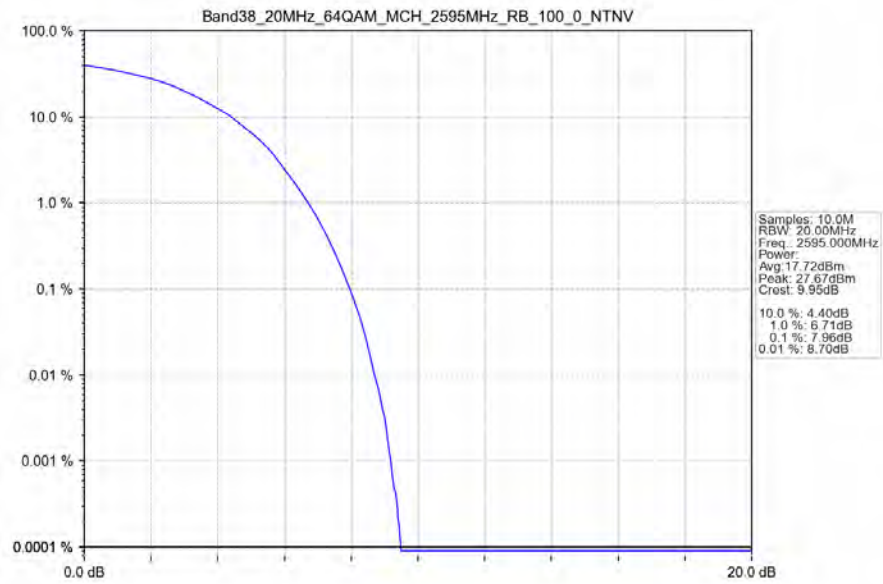
Band: 38 / Bandwidth: 20MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2595	100	0	7.15	<=13	Pass
16QAM	2595	100	0	7.78	<=13	Pass
64QAM	2595	100	0	7.96	<=13	Pass
256QAM	2595	100	0	8.60	<=13	Pass

4.2 Test Graph

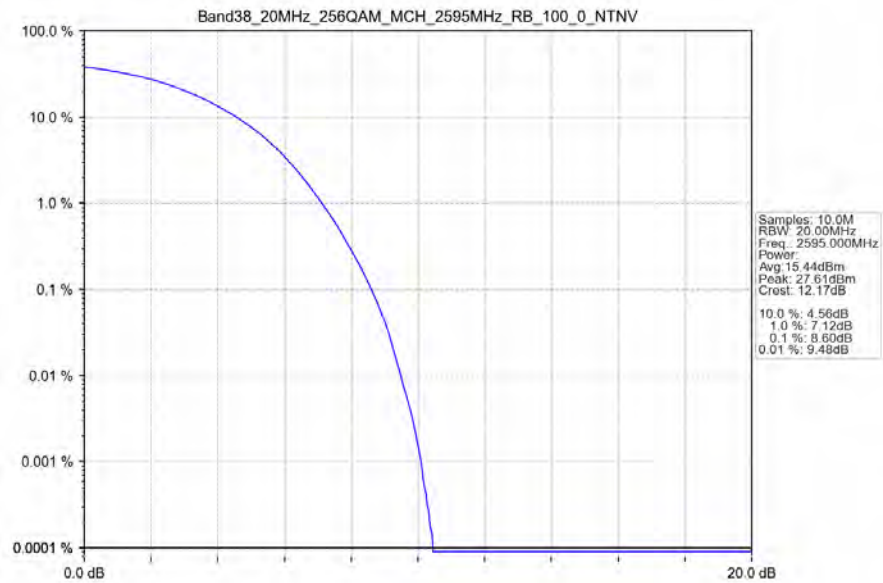
4.2.1 B38_20MHz



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



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



5. Spurious Emission

5.1 Test Result

5.1.1 B38_5MHz

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

5.1.2 B38_10MHz

Band: 38 / Bandwidth: 10MHz / 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

5.1.3 B38_15MHz

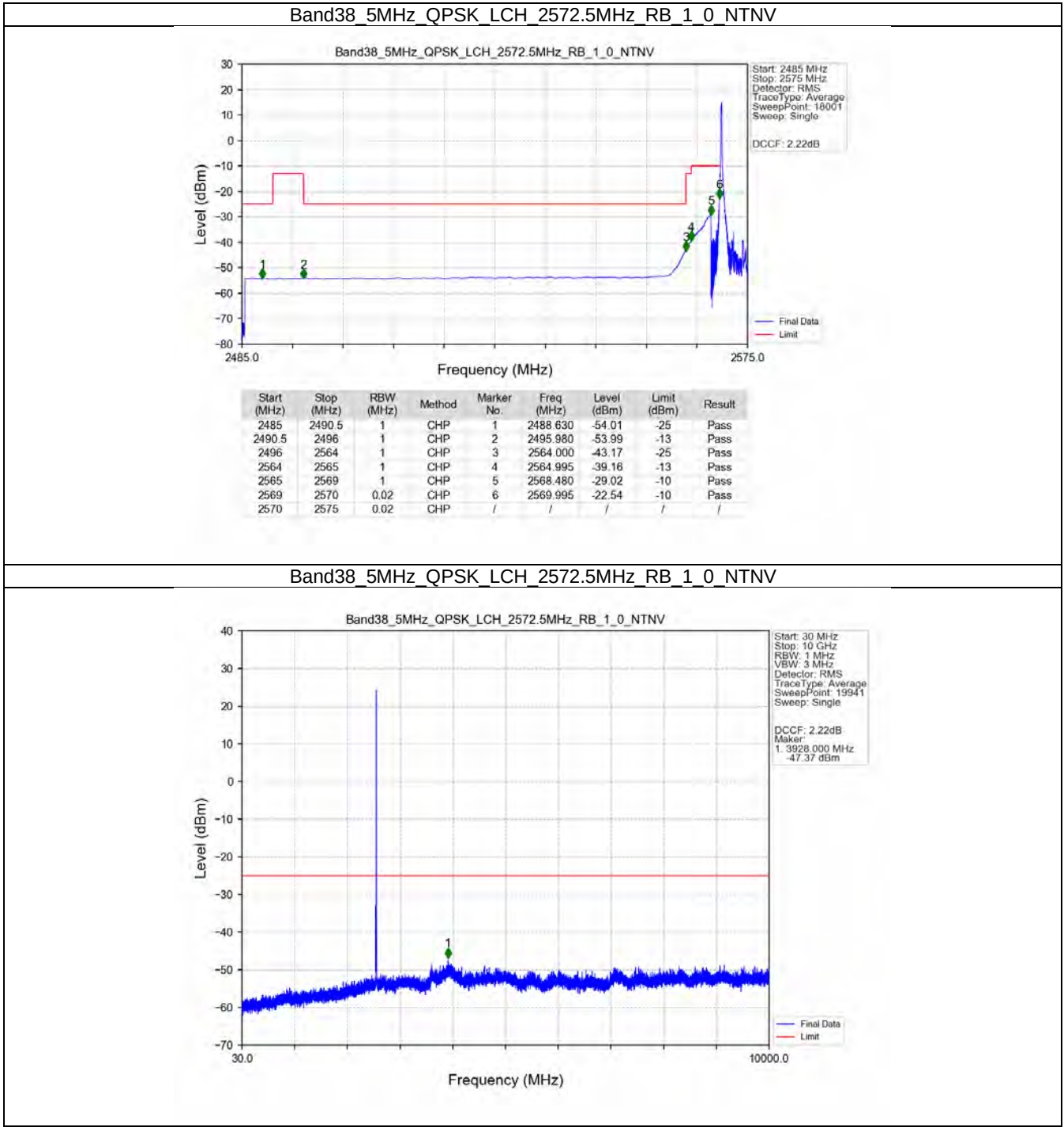
Band: 38 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	2577.5	1	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	2595	1	0	Refer To Test Graph		Pass
	2612.5	1	0	Refer To Test Graph		Pass
			74	Refer To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

5.1.4 B38_20MHz

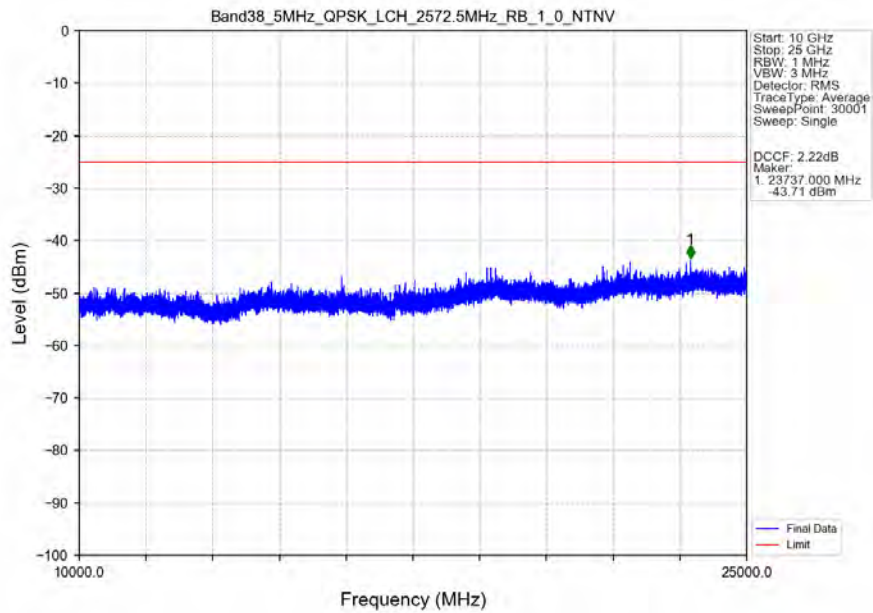
Band: 38 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	2580	1	0	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	2595	1	0	Refer To Test Graph		Pass
	2610	1	0	Refer To Test Graph		Pass
			99	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass

5.2 Test Graph

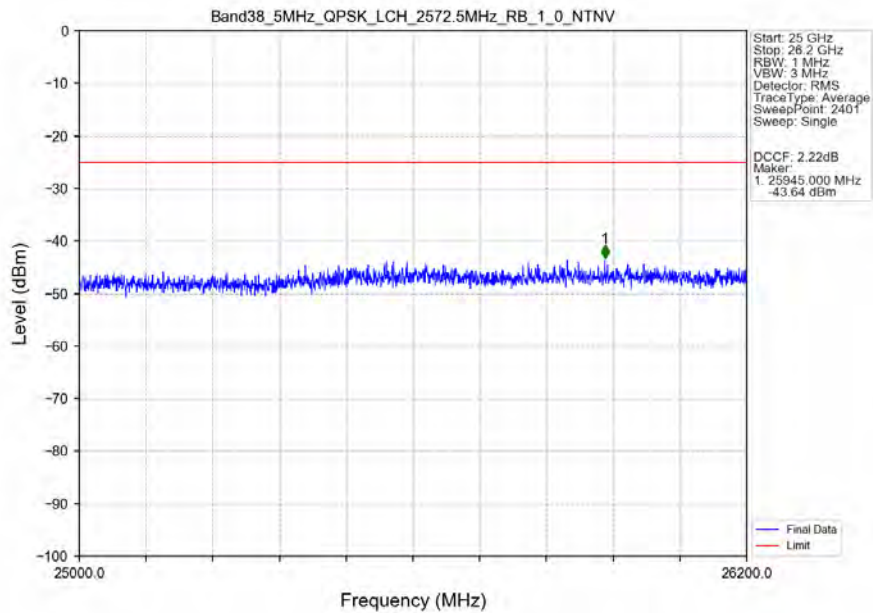
5.2.1 B38_5MHz



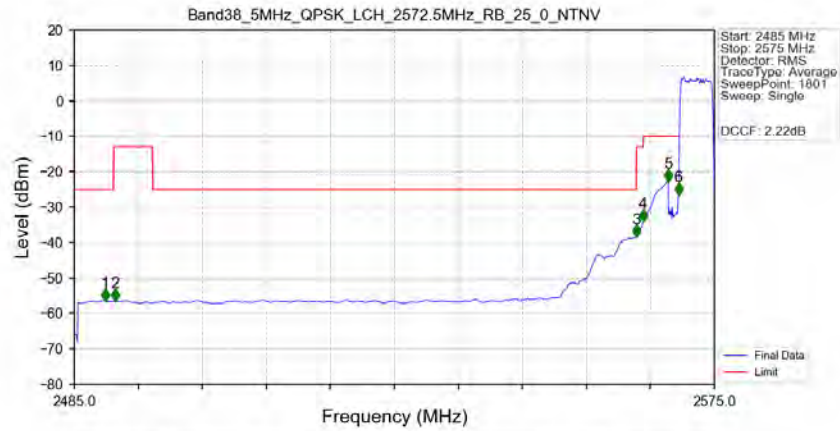
Band38 5MHz QPSK LCH 2572.5MHz RB 1 0 NTNV



Band38 5MHz QPSK LCH 2572.5MHz RB 1 0 NTNV

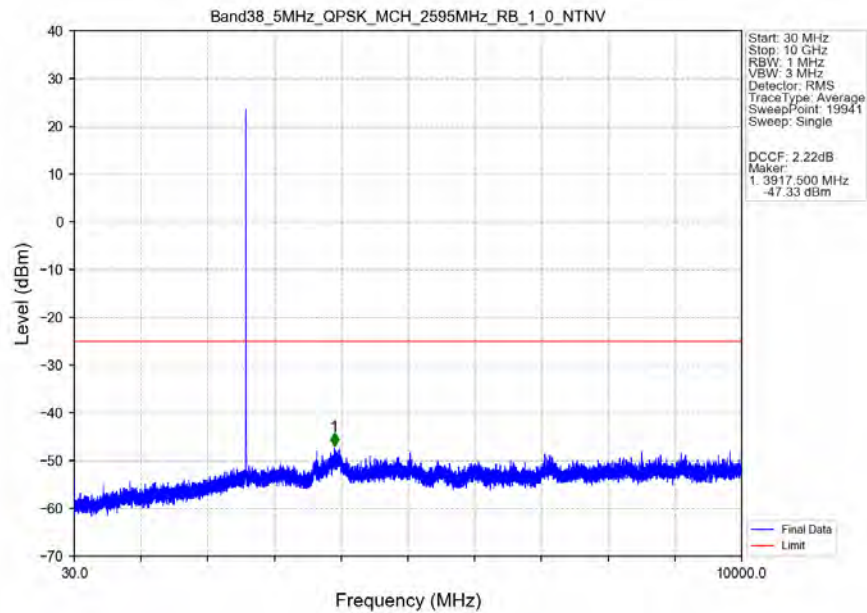


Band38 5MHz QPSK LCH 2572.5MHz RB 25 0 NTNV

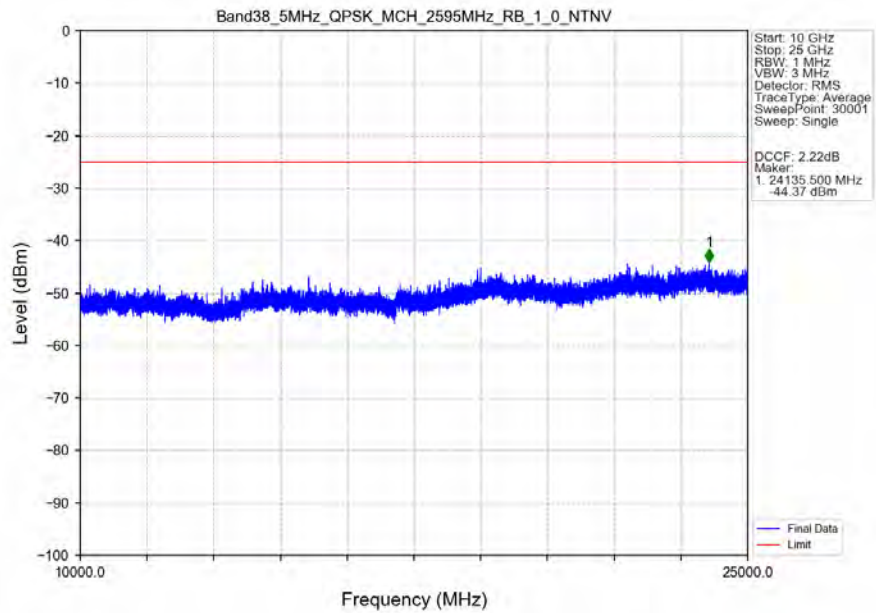


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2489.350	-56.29	-25	Pass
2490.5	2496	1	CHP	2	2490.750	-56.32	-13	Pass
2496	2564	1	CHP	3	2564.000	-38.28	-25	Pass
2564	2565	1	CHP	4	2565.000	-33.86	-13	Pass
2565	2569	1	CHP	5	2568.500	-22.50	-10	Pass
2569	2570	0.103	CHP	6	2569.950	-26.37	-10	Pass
2570	2575	0.103	CHP	/	/	/	/	/

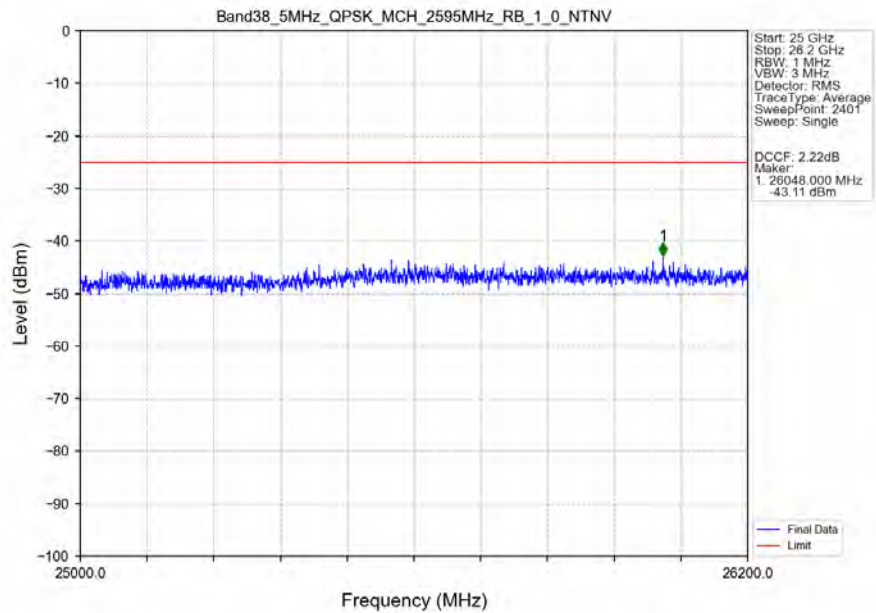
Band38 5MHz QPSK MCH 2595MHz RB 1 0 NTNV



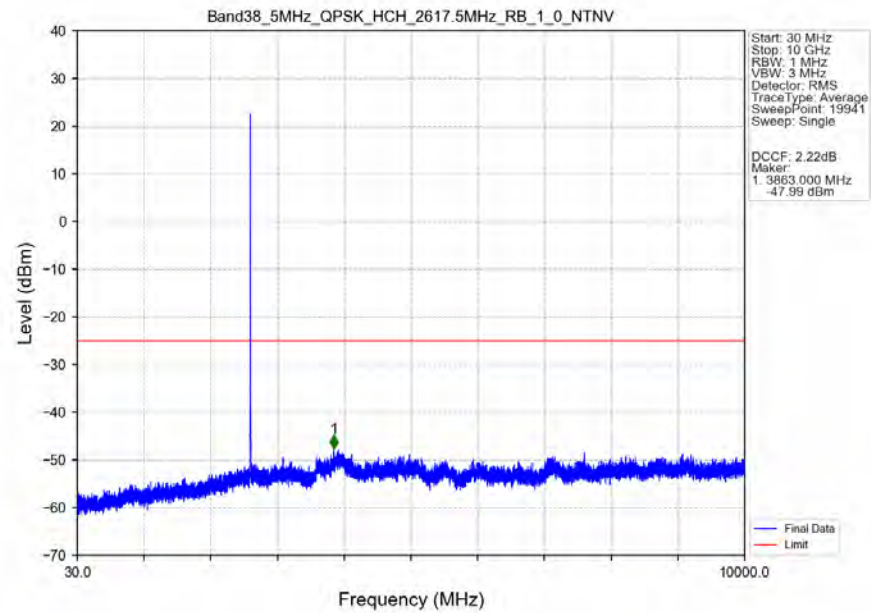
Band38 5MHz QPSK MCH 2595MHz RB 1 0 NTN



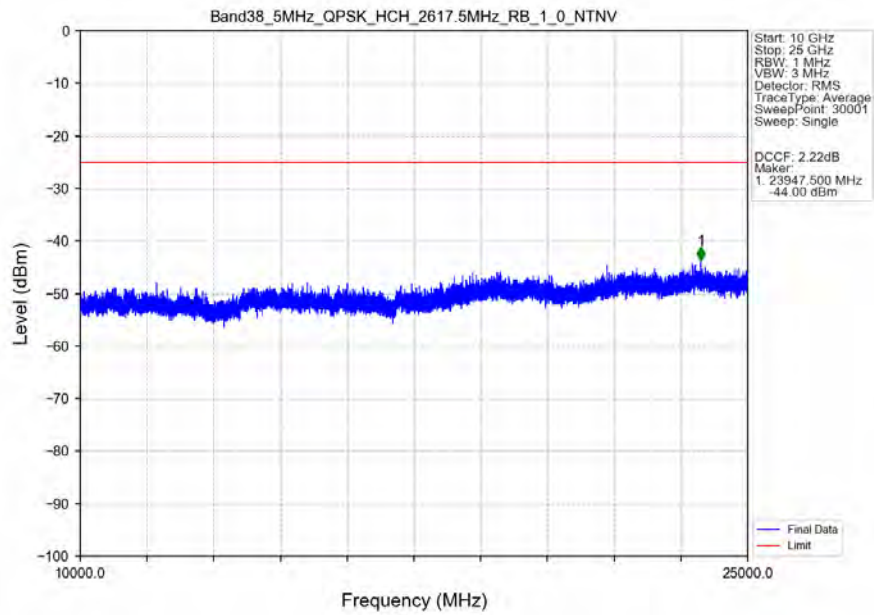
Band38 5MHz QPSK MCH 2595MHz RB 1 0 NTN



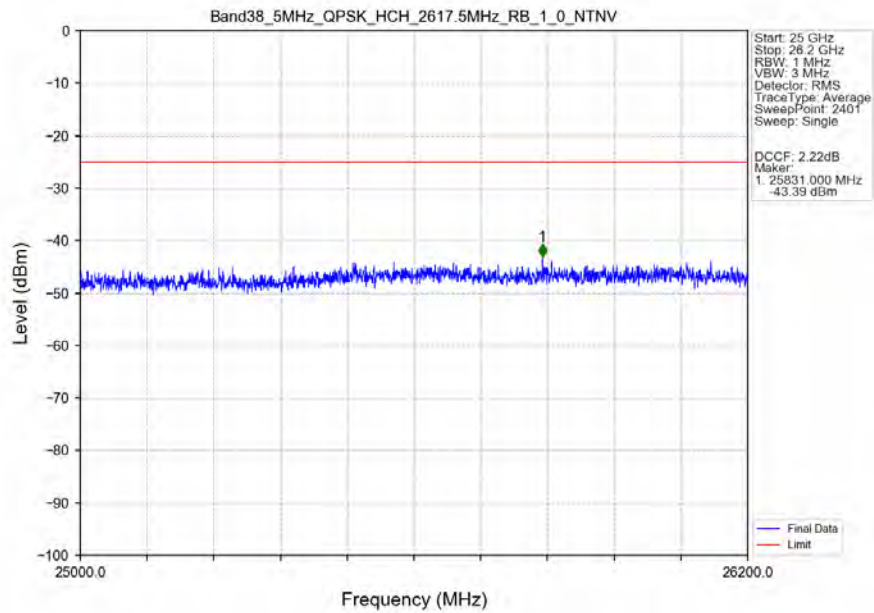
Band38 5MHz QPSK HCH 2617.5MHz RB 1 0 NTV



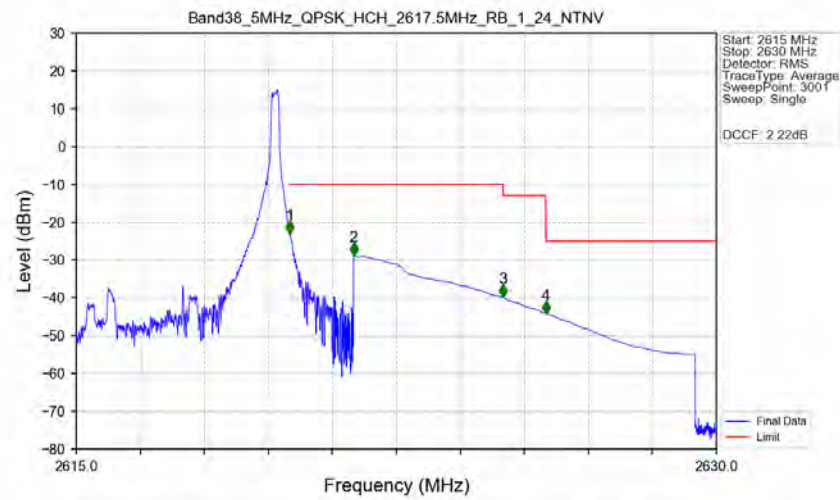
Band38 5MHz QPSK HCH 2617.5MHz RB 1 0 NTV



Band38 5MHz QPSK HCH 2617.5MHz RB 1 0 NTV

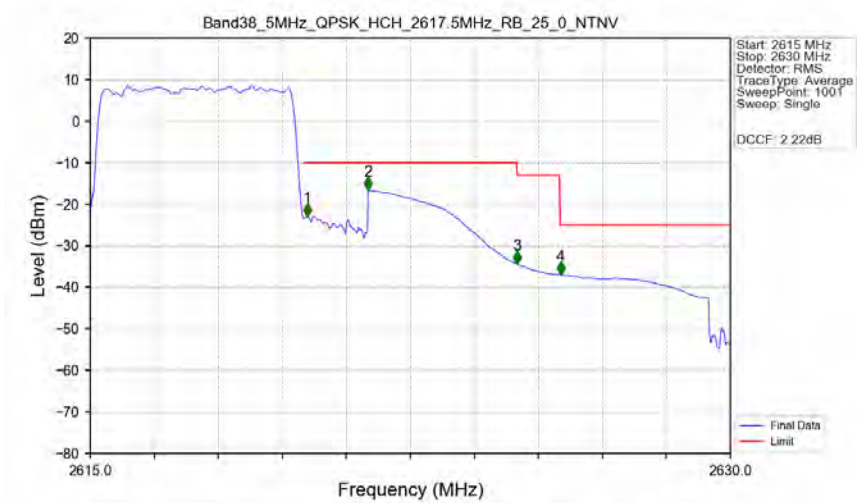


Band38 5MHz QPSK HCH 2617.5MHz RB 1 24 NTV



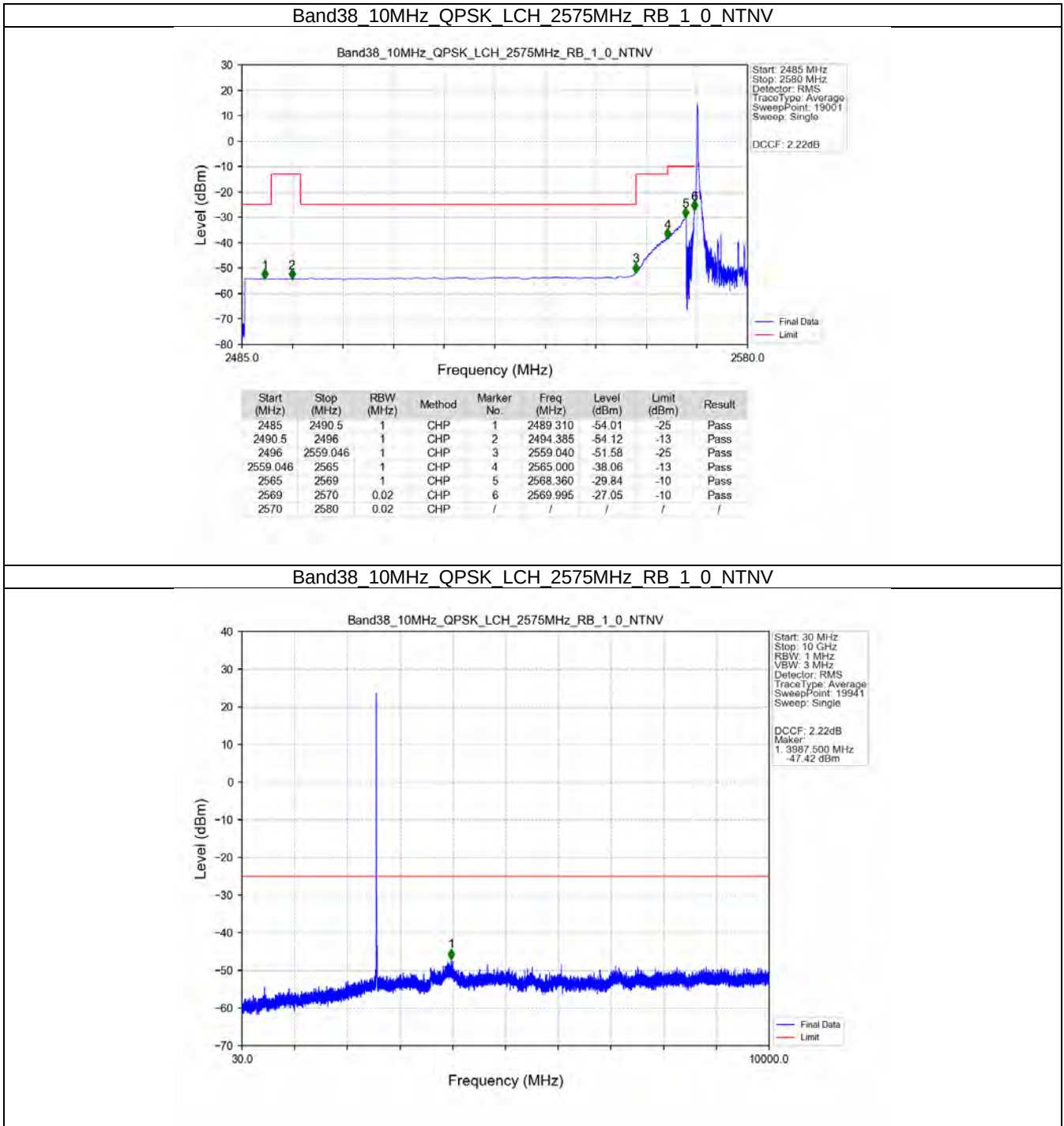
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2615	2620	0.02	CHP	/	/	/	/	/
2620	2621	0.02	CHP	1	2620.005	-23.07	-10	Pass
2621	2625	1	CHP	2	2621.500	-28.94	-10	Pass
2625	2626	1	CHP	3	2625.005	-39.93	-13	Pass
2626	2630	1	CHP	4	2626.005	-44.20	-25	Pass

Band38 5MHz QPSK HCH 2617.5MHz RB 25 0 NTV

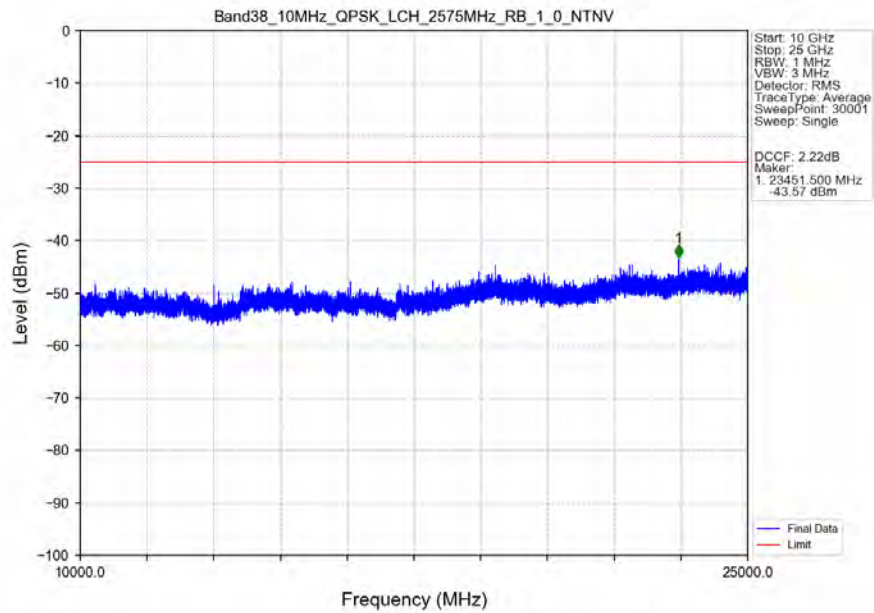


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2615	2620	0.103	CHP	/	/	/	/	/
2620	2621	0.103	CHP	1	2620.085	-22.88	-10	Pass
2621	2625	1	CHP	2	2621.510	-16.56	-10	Pass
2625	2626	1	CHP	3	2625.005	-34.38	-13	Pass
2626	2630	1	CHP	4	2626.025	-37.04	-25	Pass

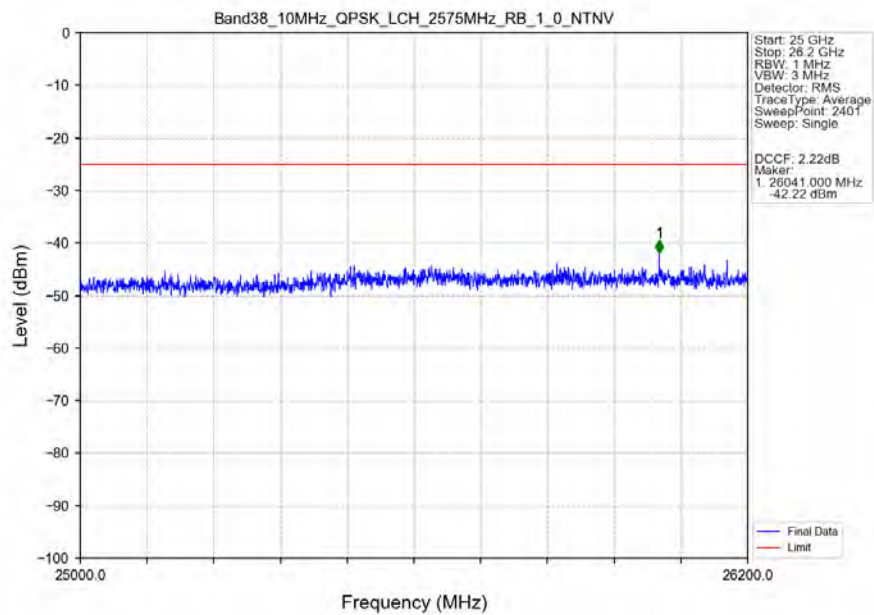
5.2.2 B38_10MHz



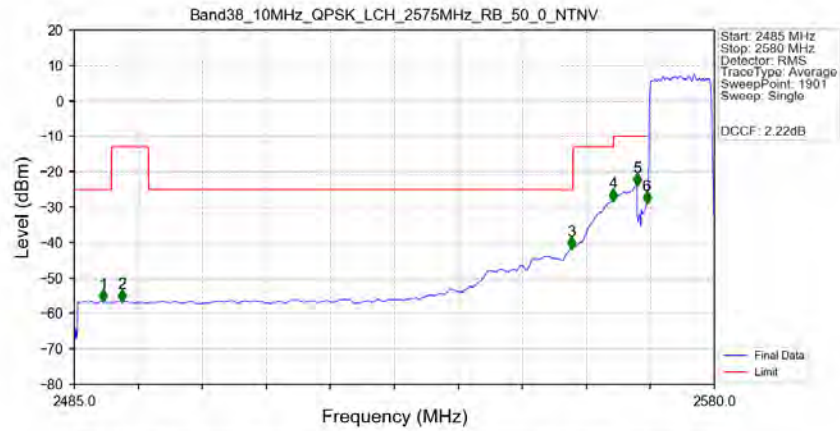
Band38 10MHz QPSK LCH 2575MHz RB 1 0 NTN



Band38 10MHz QPSK LCH 2575MHz RB 1 0 NTN

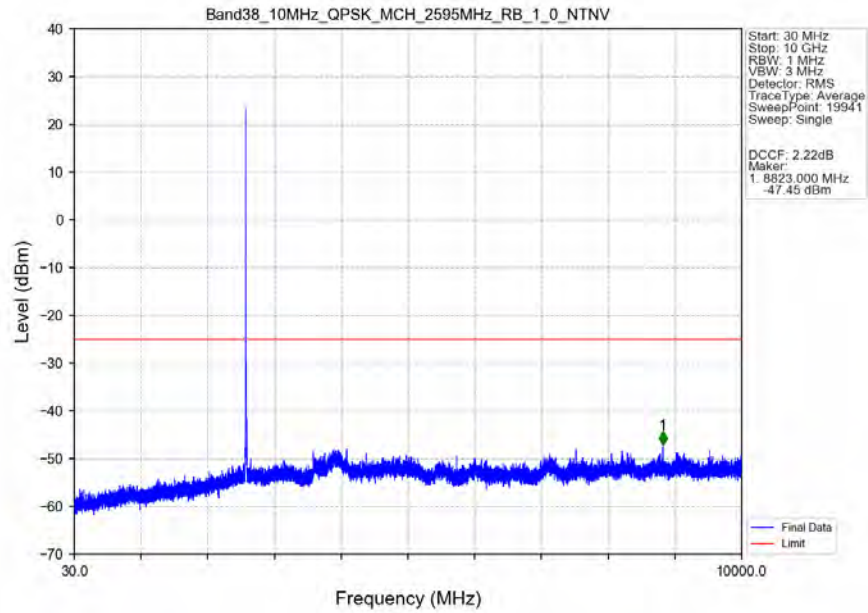


Band38_10MHz_QPSK_LCH_2575MHz_RB_50_0_NTNV

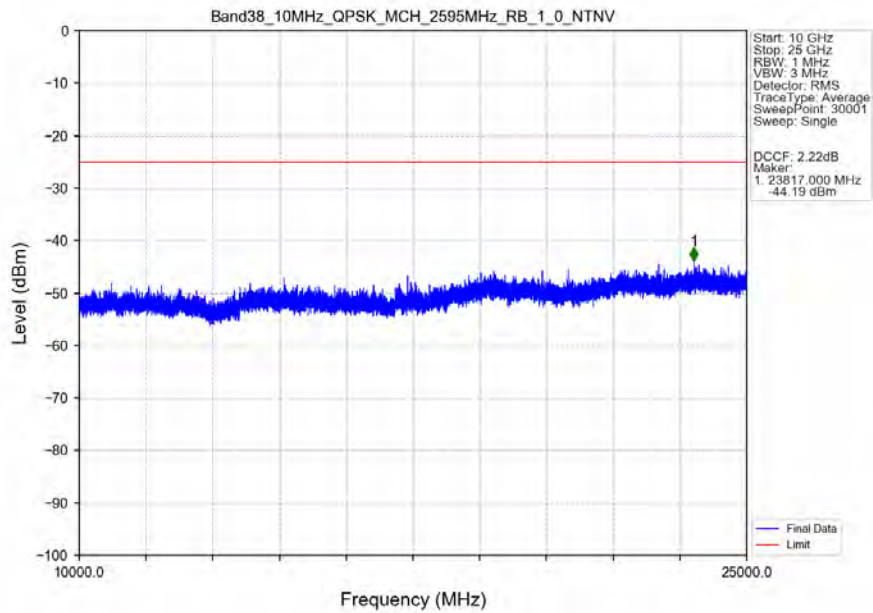


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2489.300	-56.55	-25	Pass
2490.5	2496	1	CHP	2	2492.100	-56.52	-13	Pass
2496	2559.046	1	CHP	3	2558.750	-41.67	-25	Pass
2559.046	2565	1	CHP	4	2565.000	-28.06	-13	Pass
2565	2569	1	CHP	5	2568.500	-23.73	-10	Pass
2569	2570	0.219	CHP	6	2569.950	-28.81	-10	Pass
2570	2580	0.219	CHP	/	/	/	/	/

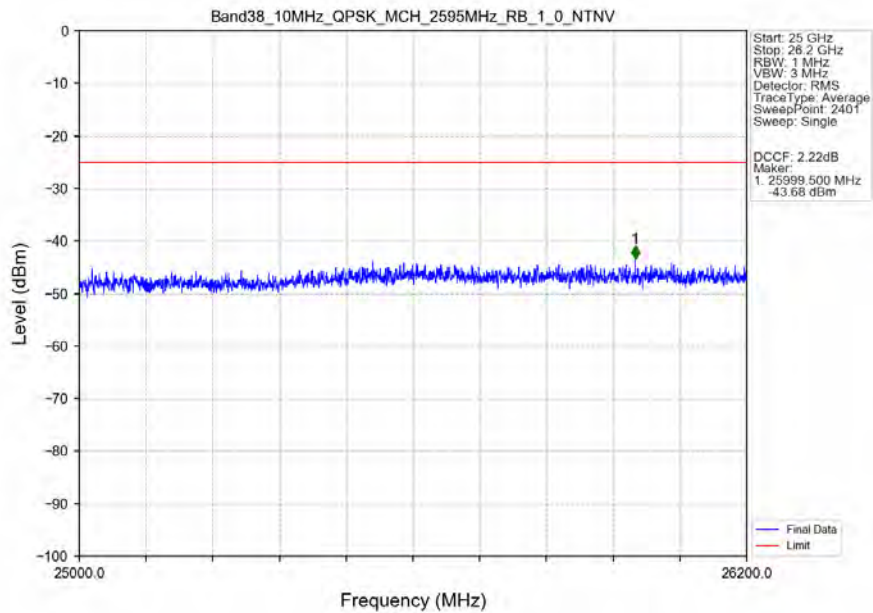
Band38_10MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



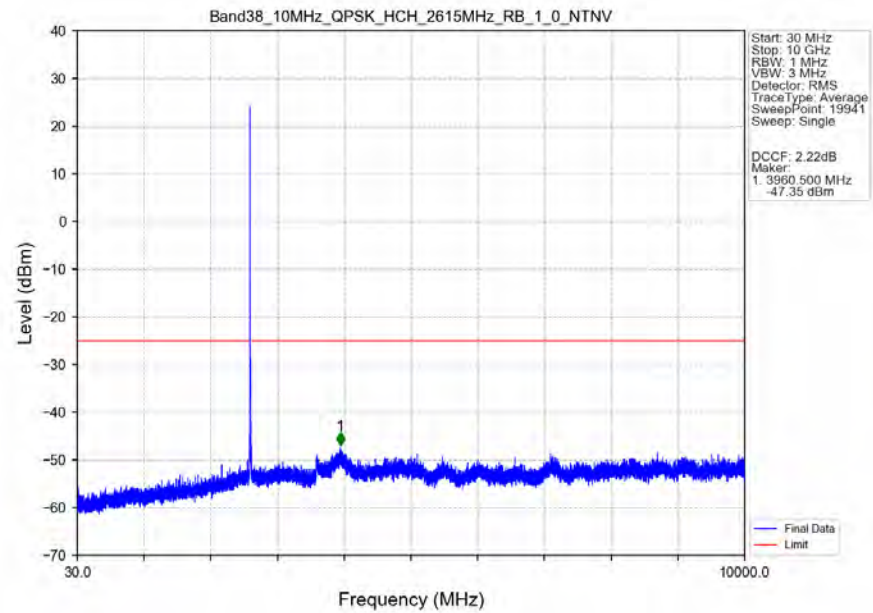
Band38_10MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



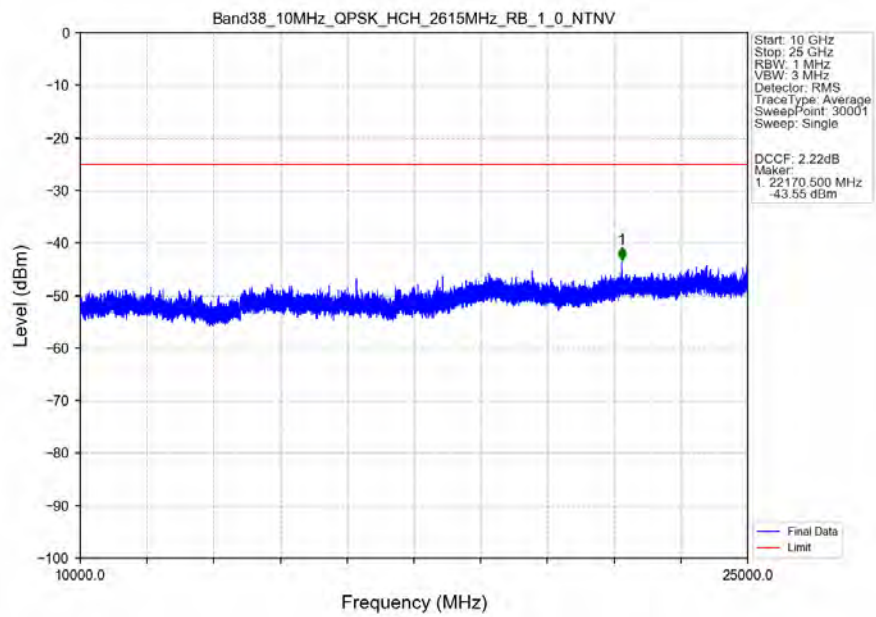
Band38_10MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



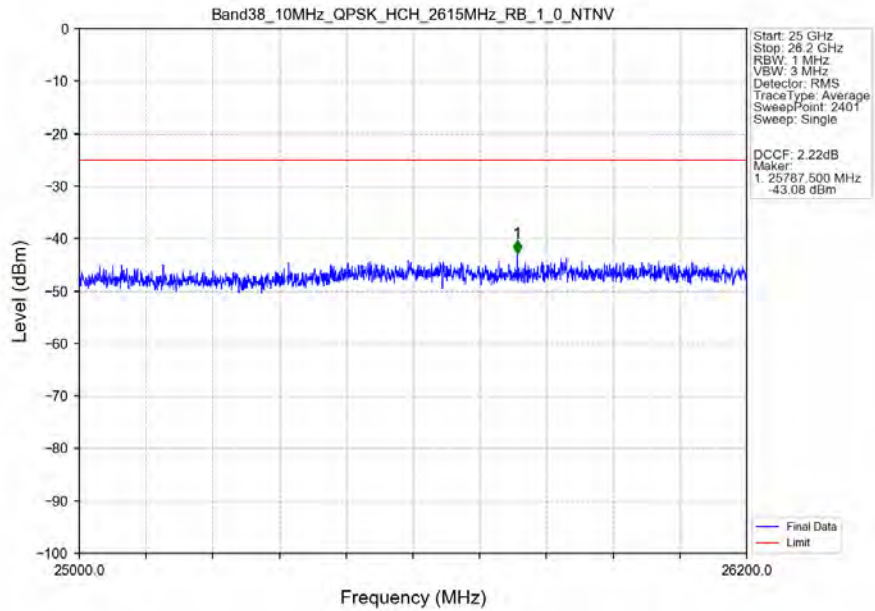
Band38 10MHz QPSK HCH 2615MHz RB 1 0 NTN



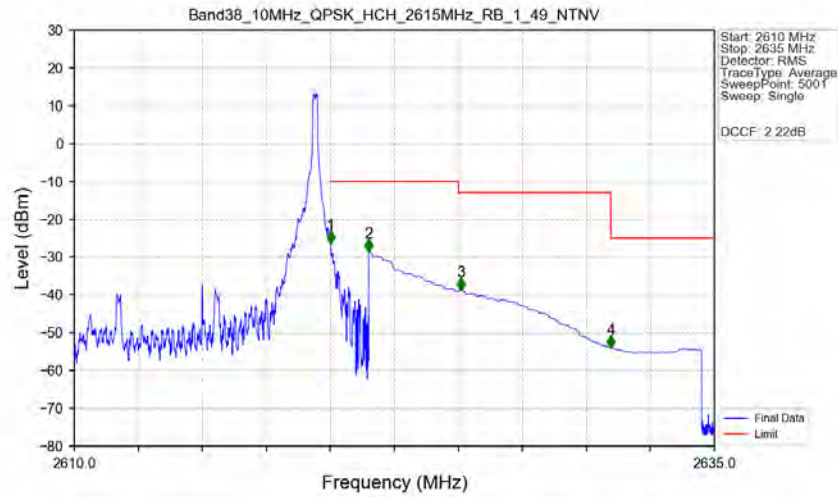
Band38 10MHz QPSK HCH 2615MHz RB 1 0 NTN



Band38 10MHz QPSK HCH 2615MHz RB 1 0 NTV

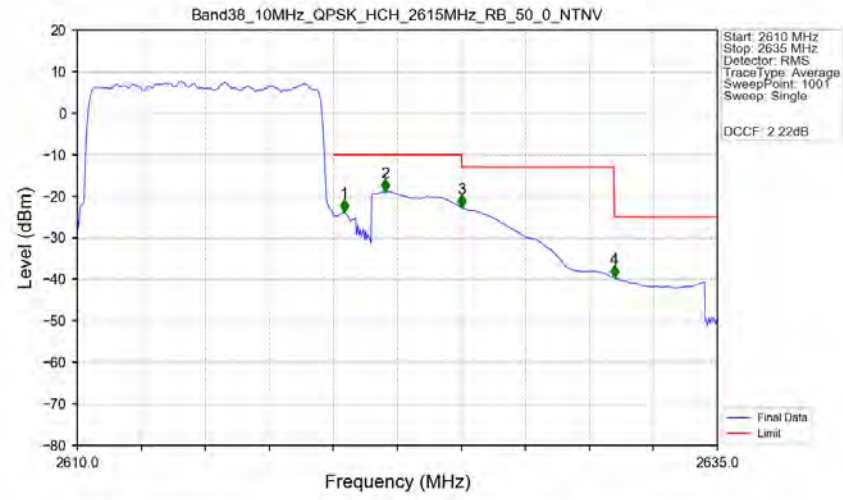


Band38_10MHz_QPSK_HCH_2615MHz_RB_1_49_NTV



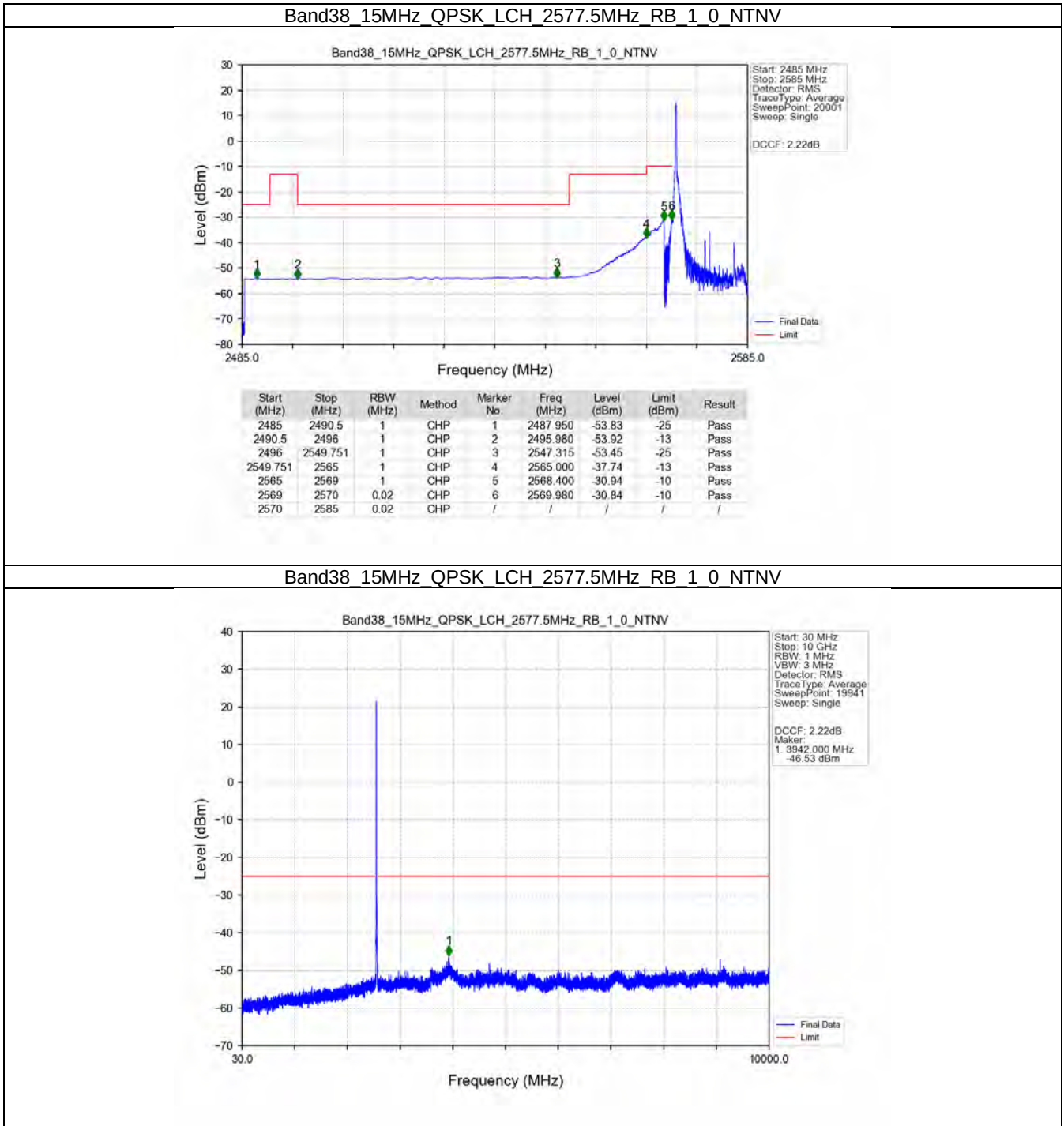
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2610	2620	0.02	CHP	/	/	/	/	/
2620	2621	0.02	CHP	1	2620.005	-26.38	-10	Pass
2621	2625	1	CHP	2	2621.500	-28.71	-10	Pass
2625	2630.954	1	CHP	3	2625.095	-38.87	-13	Pass
2630.954	2635	1	CHP	4	2630.955	-54.02	-25	Pass

Band38 10MHz QPSK HCH 2615MHz RB 50 0 NTV

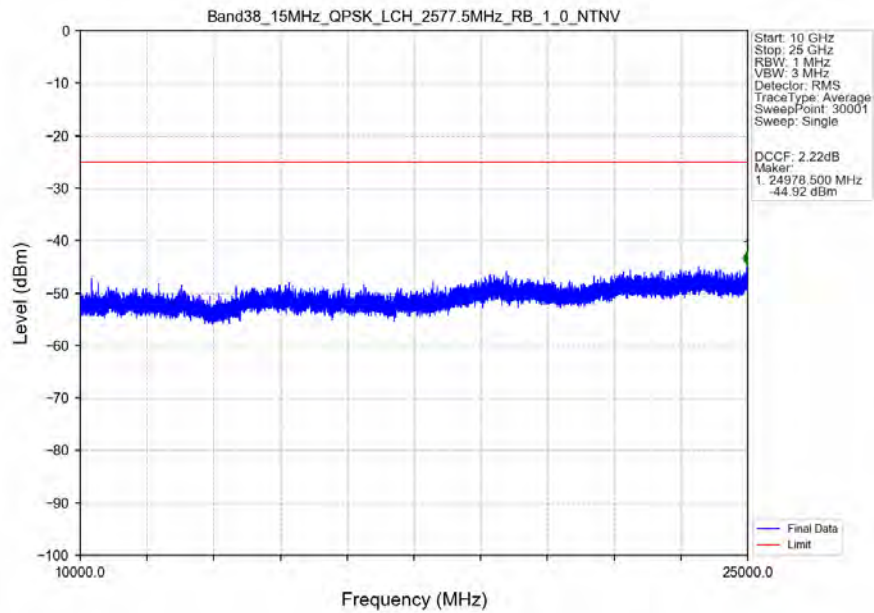


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2610	2620	0.219	CHP	/	/	/	/	/
2620	2621	0.219	CHP	1	2620.425	-23.87	-10	Pass
2621	2625	1	CHP	2	2622.025	-18.90	-10	Pass
2625	2630.954	1	CHP	3	2625.025	-22.75	-13	Pass
2630.954	2635	1	CHP	4	2630.975	-39.61	-25	Pass

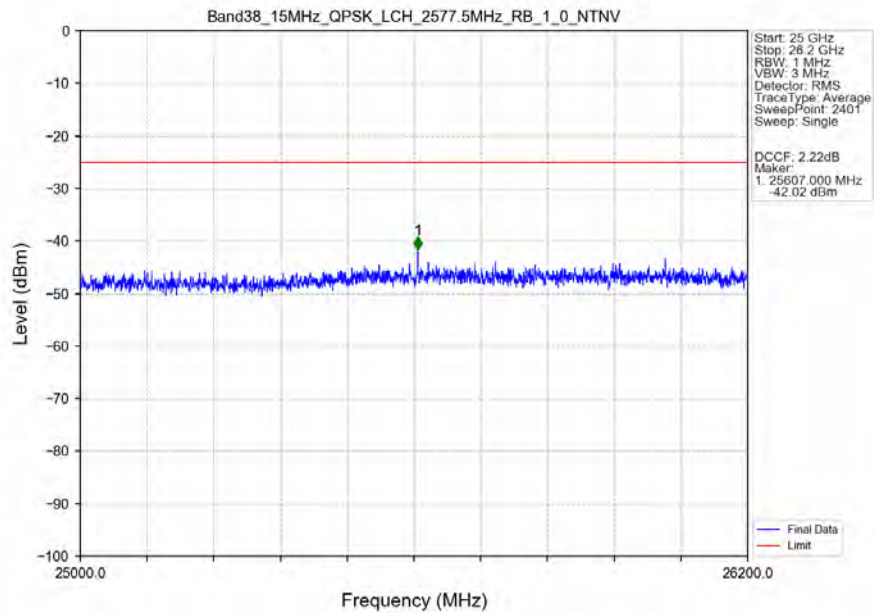
5.2.3 B38_15MHz



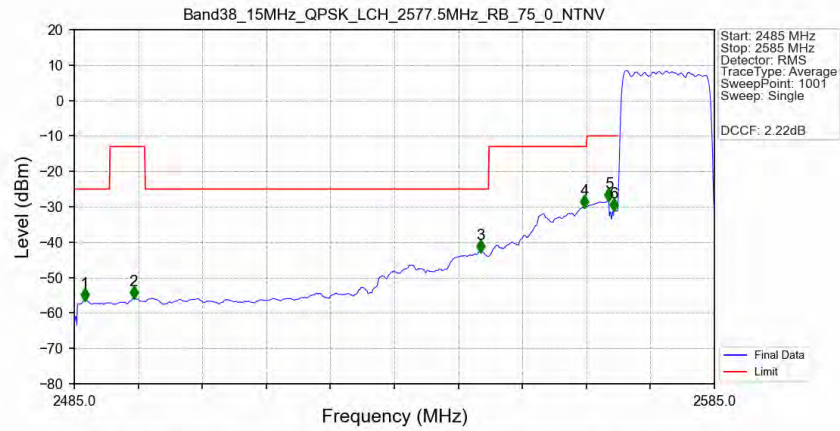
Band38_15MHz_QPSK_LCH_2577.5MHz_RB_1_0_NTNV



Band38_15MHz_QPSK_LCH_2577.5MHz_RB_1_0_NTNV

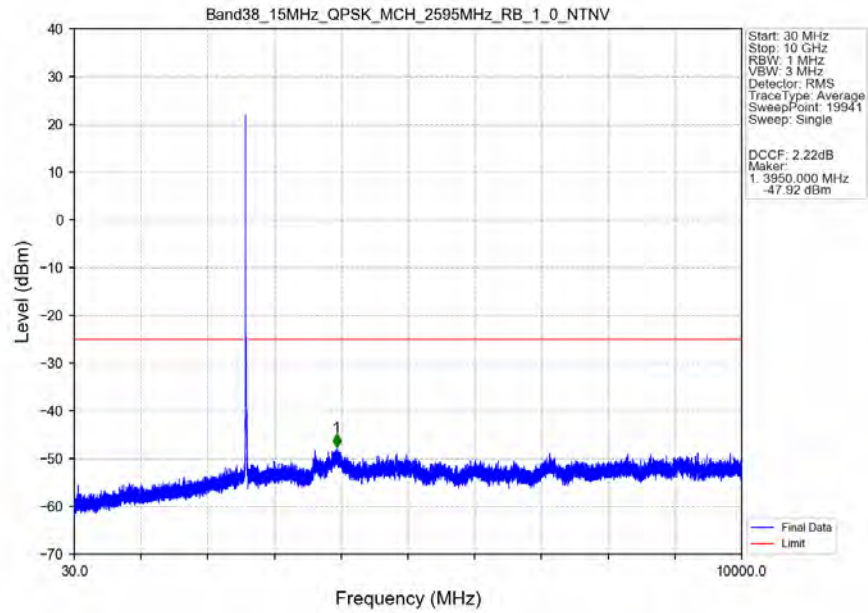


Band38 15MHz QPSK LCH 2577.5MHz RB 75 0 NTN

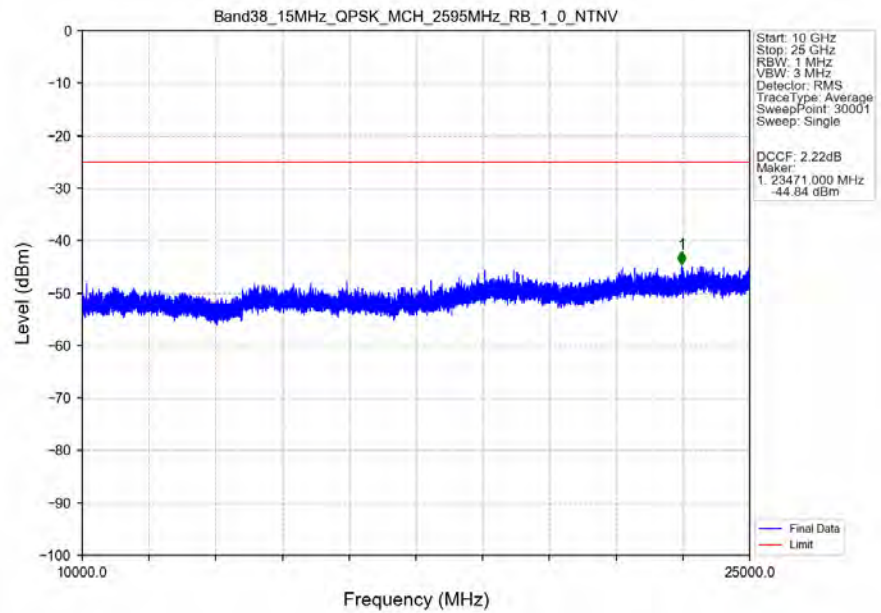


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2486.600	-56.47	-25	Pass
2490.5	2496	1	CHP	2	2494.300	-55.79	-13	Pass
2496	2549.751	1	CHP	3	2548.500	-42.68	-25	Pass
2549.751	2565	1	CHP	4	2564.700	-30.06	-13	Pass
2565	2569	1	CHP	5	2568.500	-28.14	-10	Pass
2569	2570	0.405	CHP	6	2569.300	-30.90	-10	Pass
2570	2585	0.405	CHP	/	/	/	/	/

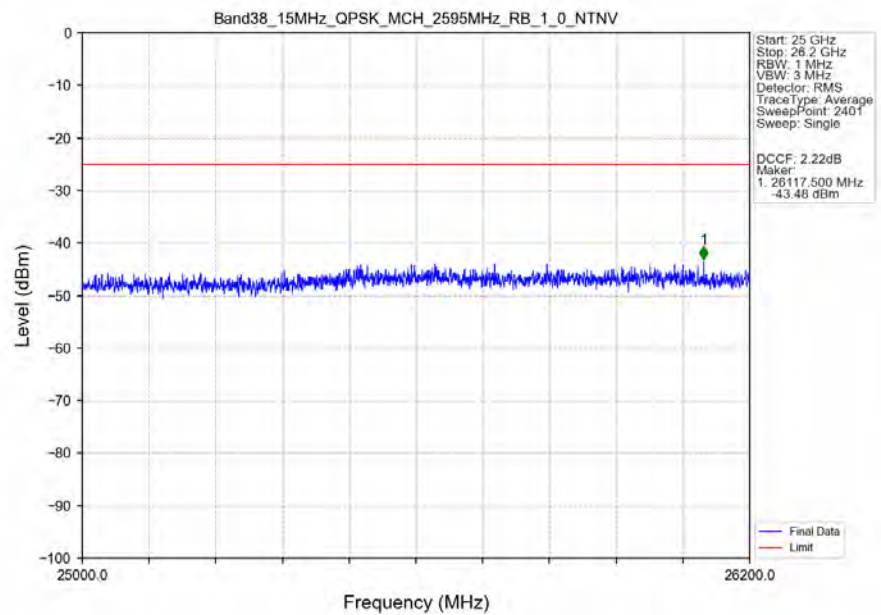
Band38 15MHz QPSK MCH 2595MHz RB 1 0 NTN



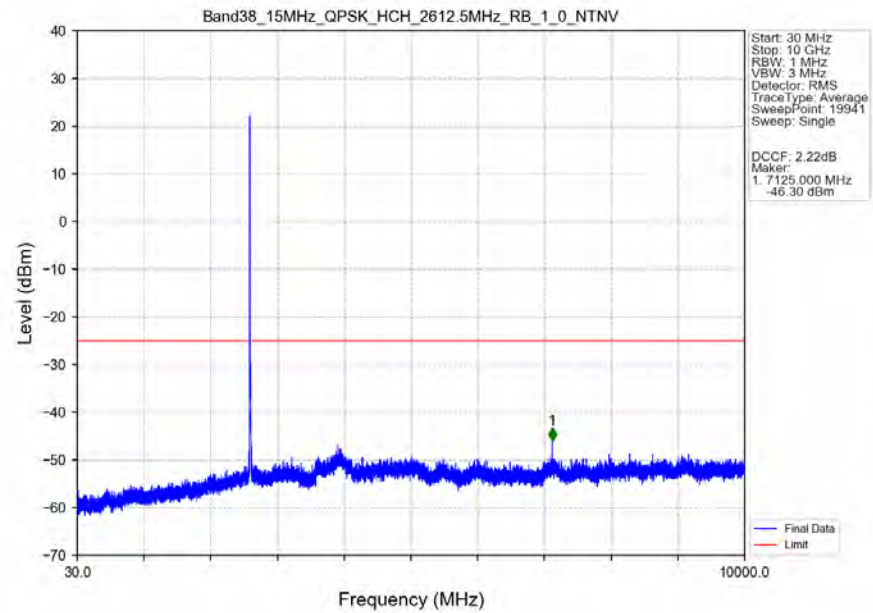
Band38_15MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



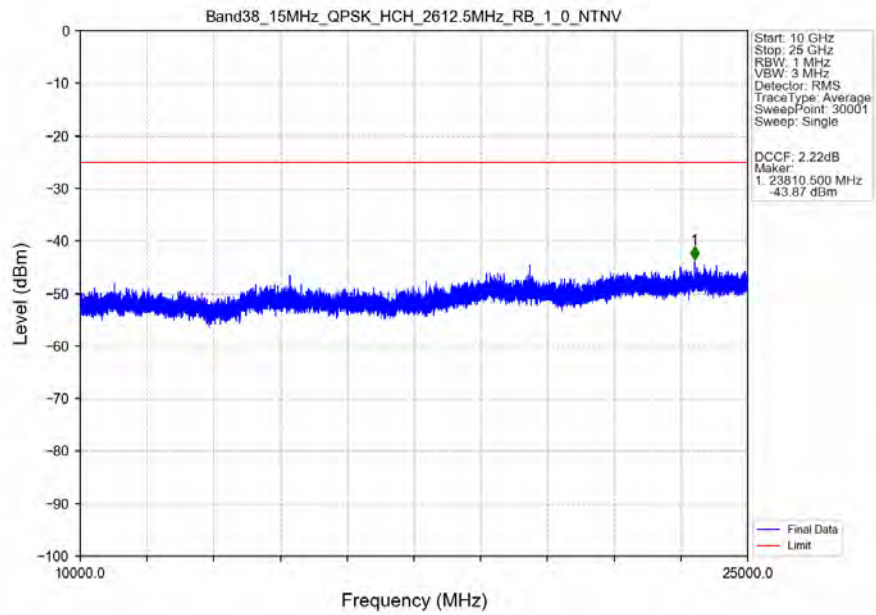
Band38_15MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



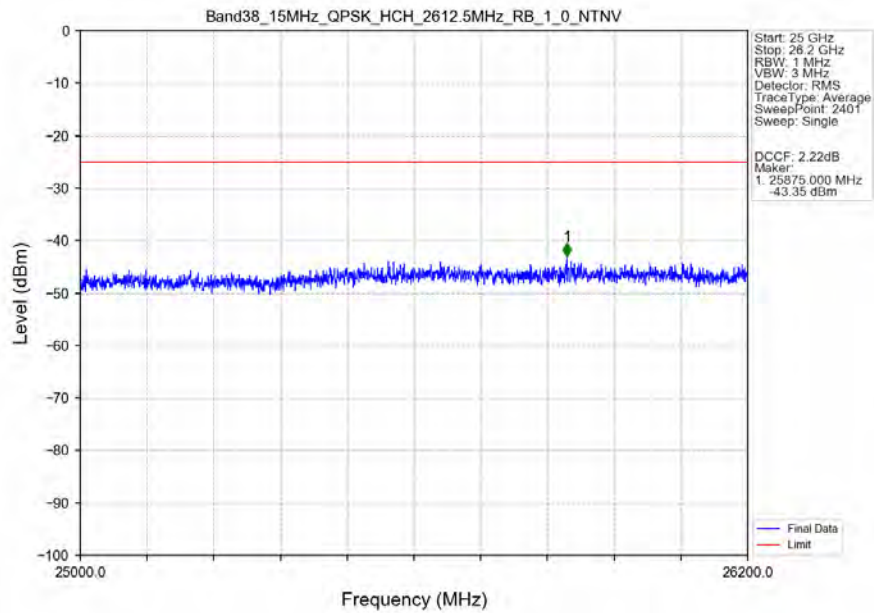
Band38_15MHz_QPSK_HCH_2612.5MHz_RB_1_0_NTNV



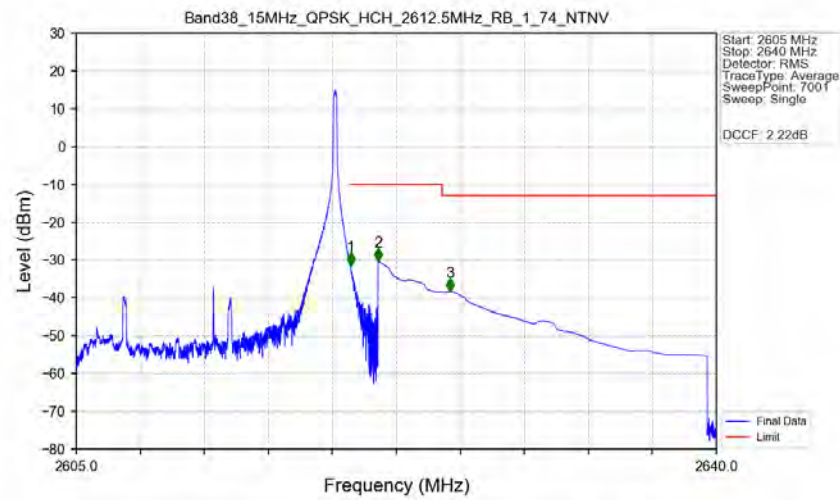
Band38_15MHz_QPSK_HCH_2612.5MHz_RB_1_0_NTNV



Band38 15MHz QPSK HCH 2612.5MHz RB 1 0 NTNV

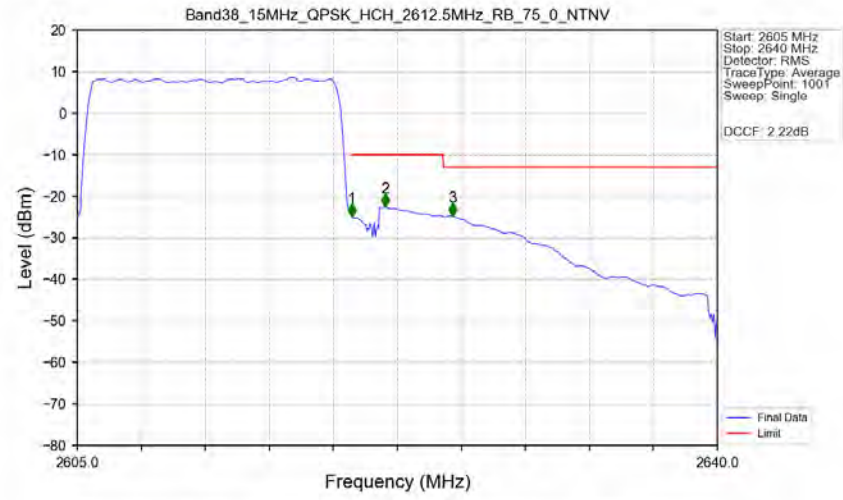


Band38 15MHz QPSK HCH 2612.5MHz RB 1 74 NTNV



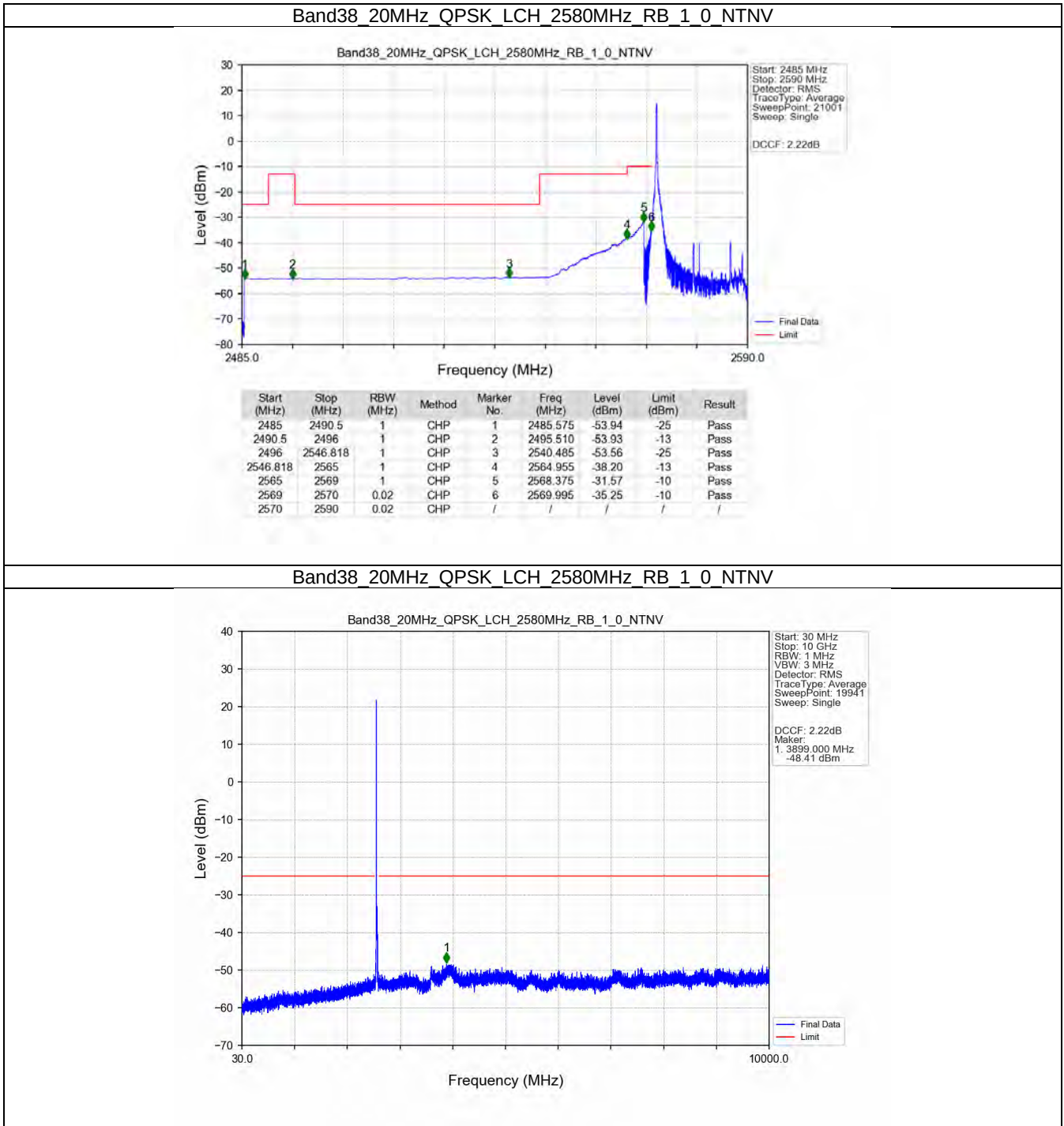
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2605	2620	0.02	CHP	/	/	/	/	/
2620	2621	0.02	CHP	1	2620.005	-31.43	-10	Pass
2621	2625	1	CHP	2	2621.500	-30.25	-10	Pass
2625	2640	1	CHP	3	2625.430	-38.26	-13	Pass

Band38 15MHz QPSK HCH 2612.5MHz RB 75 0 NTN

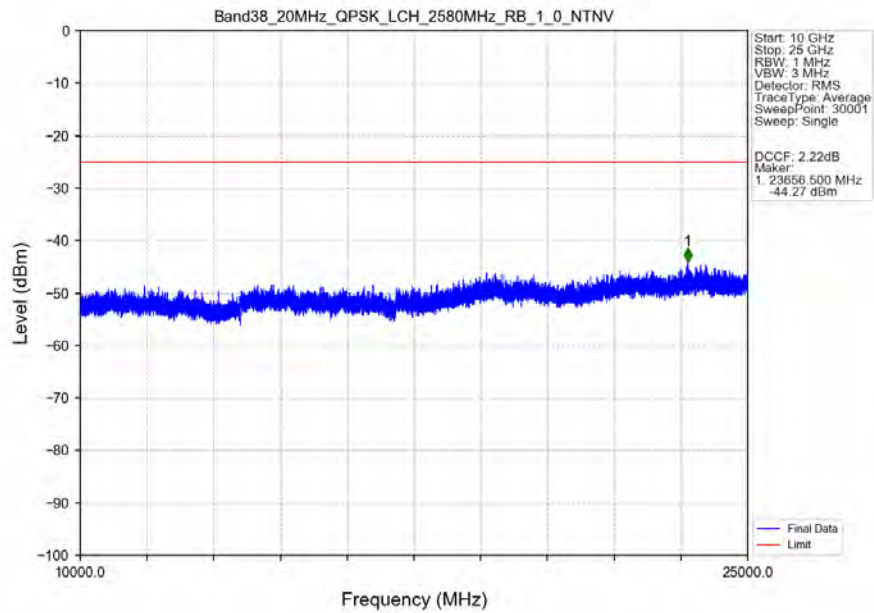


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2605	2620	0.405	CHP	/	/	/	/	/
2620	2621	0.405	CHP	1	2620.015	-24.90	-10	Pass
2621	2625	1	CHP	2	2621.835	-22.63	-10	Pass
2625	2640	1	CHP	3	2625.510	-24.74	-13	Pass

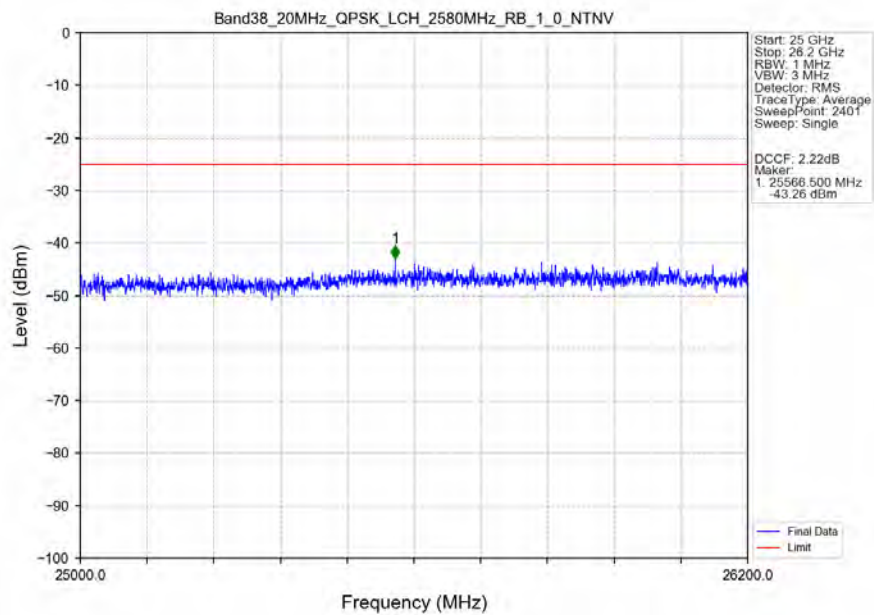
5.2.4 B38_20MHz



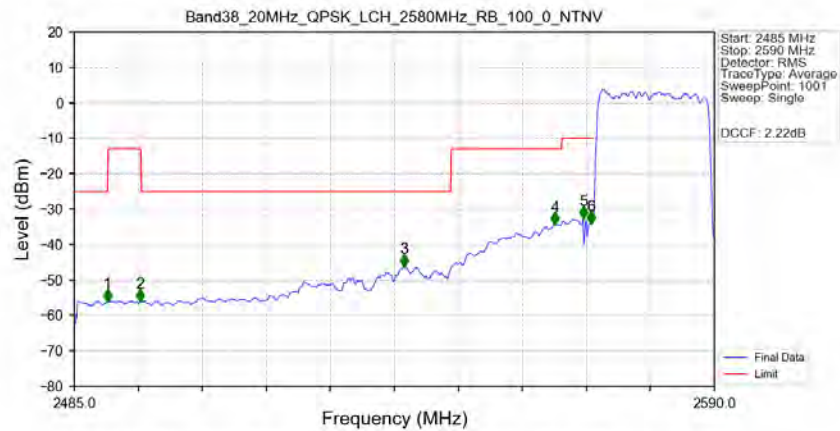
Band38 20MHz QPSK LCH 2580MHz RB 1 0 NTN



Band38 20MHz QPSK LCH 2580MHz RB 1 0 NTN

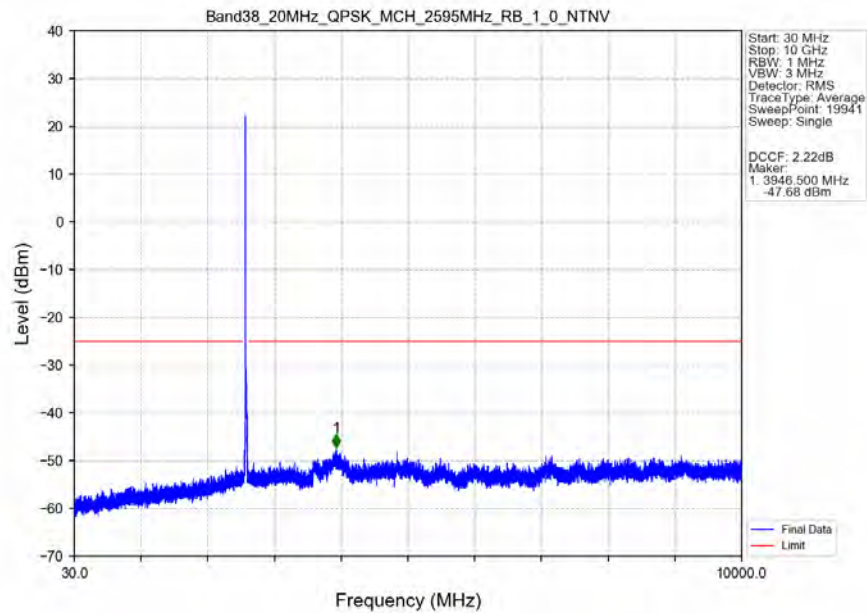


Band38 20MHz QPSK LCH 2580MHz RB 100 0 NTV

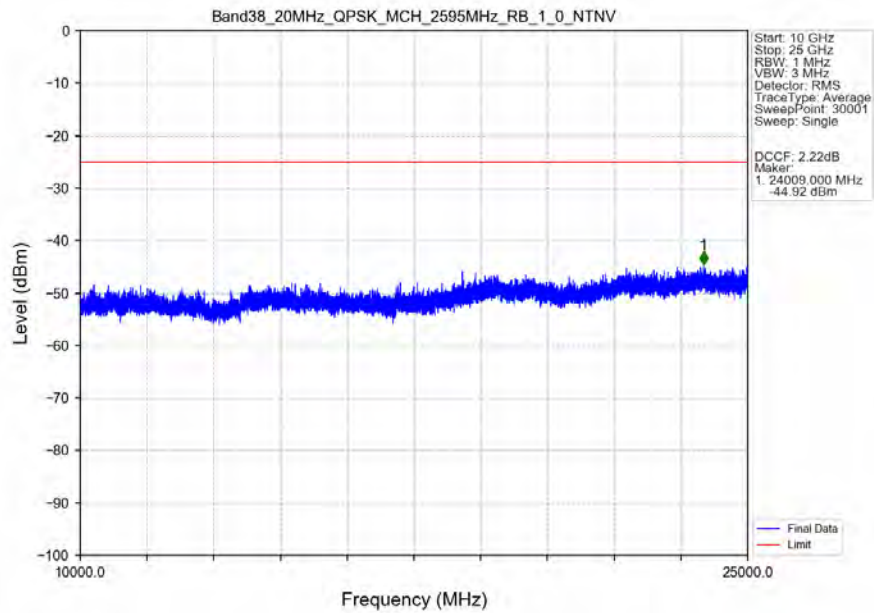


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2490.460	-55.89	-25	Pass
2490.5	2496	1	CHP	2	2495.815	-55.88	-13	Pass
2496	2546.818	1	CHP	3	2539.075	-46.05	-25	Pass
2546.818	2565	1	CHP	4	2563.855	-34.23	-13	Pass
2565	2569	1	CHP	5	2568.475	-32.52	-10	Pass
2569	2570	0.464	CHP	6	2569.735	-34.00	-10	Pass
2570	2590	0.464	CHP	/	/	/	/	/

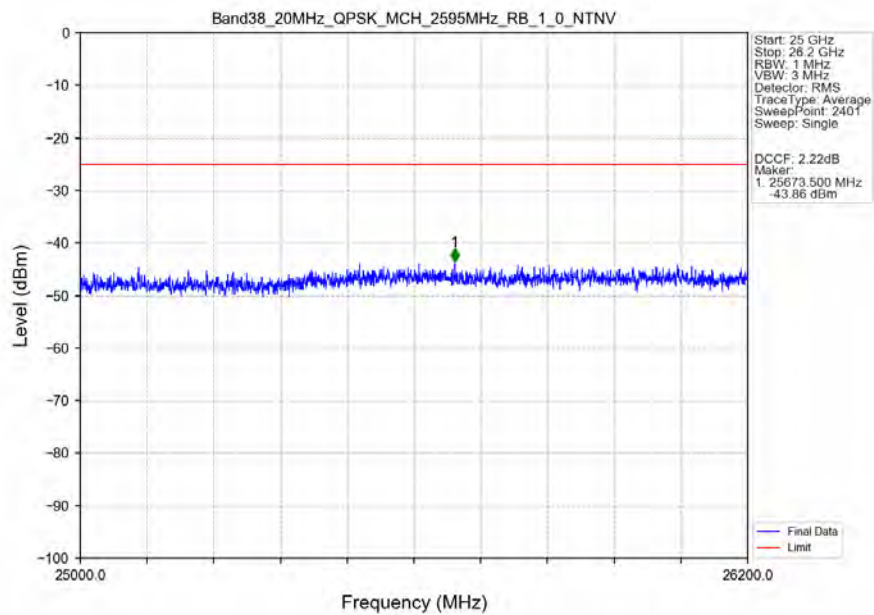
Band38 20MHz QPSK MCH 2595MHz RB 1 0 NTV



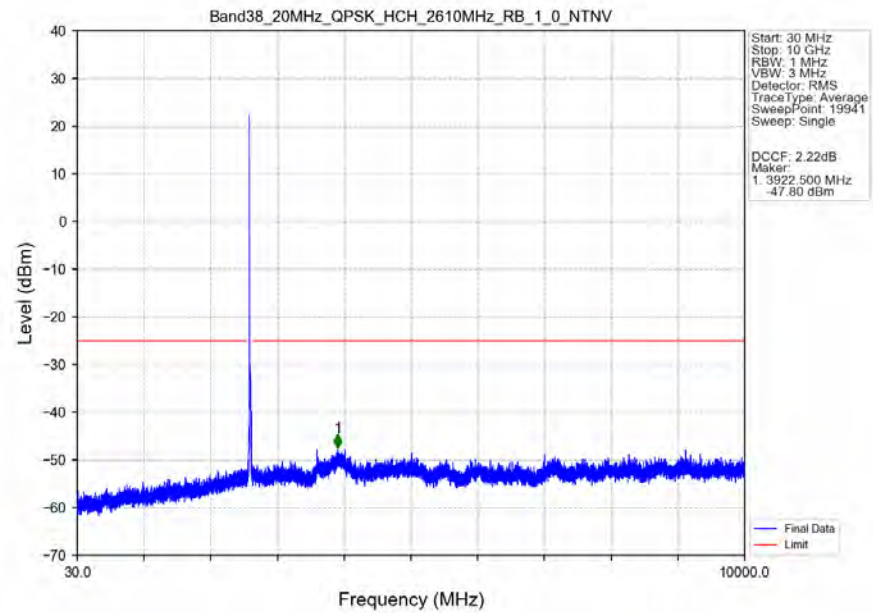
Band38_20MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



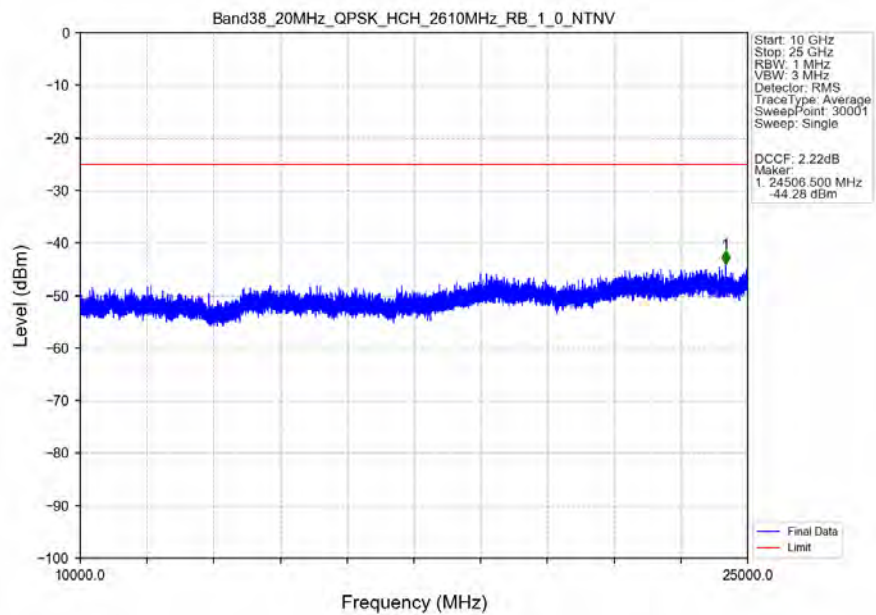
Band38_20MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



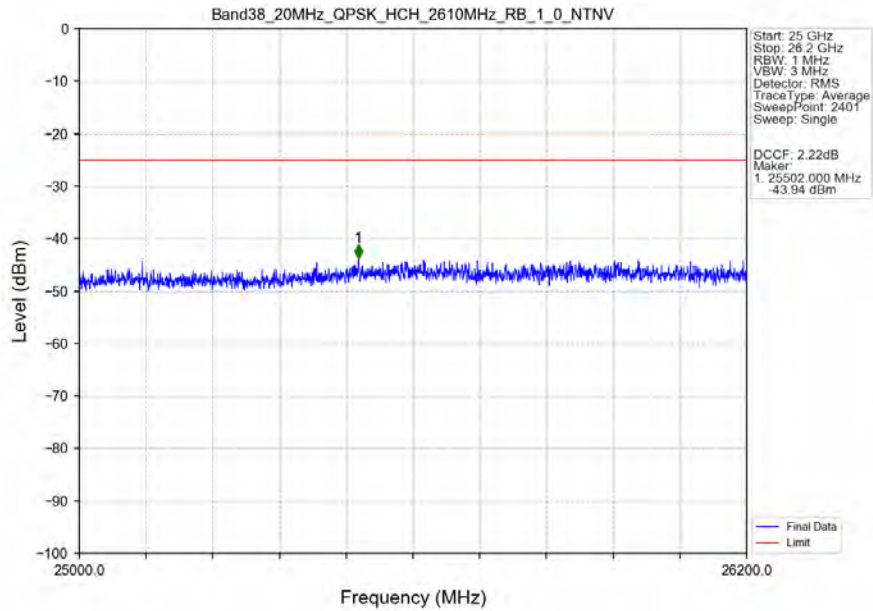
Band38 20MHz QPSK HCH 2610MHz RB 1 0 NTN



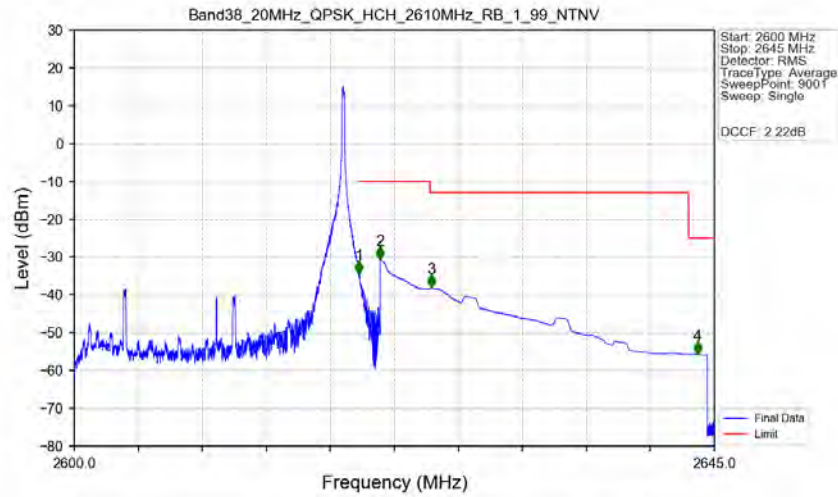
Band38 20MHz QPSK HCH 2610MHz RB 1 0 NTN



Band38 20MHz QPSK HCH 2610MHz RB 1 0 NTV

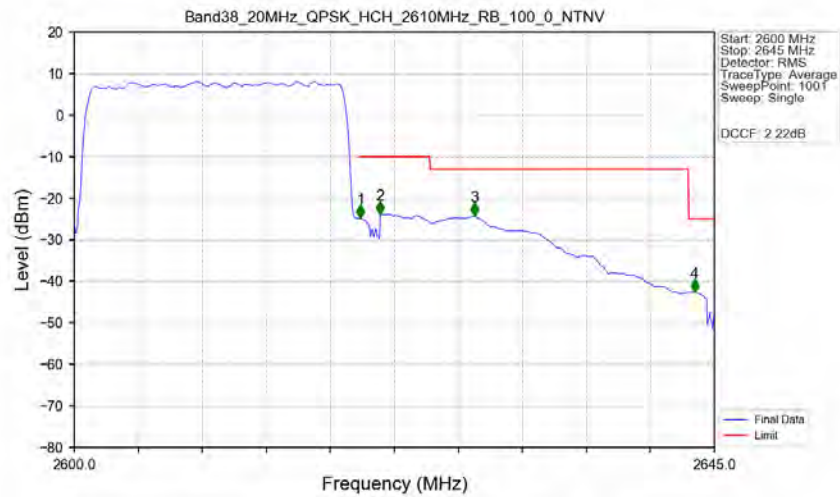


Band38 20MHz QPSK HCH 2610MHz RB 1 99 NTV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2600	2620	0.02	CHP	/	/	/	/	/
2620	2621	0.02	CHP	1	2620.005	-34.42	-10	Pass
2621	2625	1	CHP	2	2621.500	-30.63	-10	Pass
2625	2643.182	1	CHP	3	2625.095	-38.15	-13	Pass
2643.182	2645	1	CHP	4	2643.820	-55.64	-25	Pass

Band38 20MHz QPSK HCH 2610MHz RB 100 0 NTV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2600	2620	0.464	CHP	/	/	/	/	/
2620	2621	0.464	CHP	1	2620.115	-24.80	-10	Pass
2621	2625	1	CHP	2	2621.510	-23.83	-10	Pass
2625	2643.182	1	CHP	3	2628.125	-24.25	-13	Pass
2643.182	2645	1	CHP	4	2643.605	-42.53	-25	Pass