

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	24.86	-0.60	24.26	<=33.01	Pass
			13	24.95	-0.60	24.35	<=33.01	Pass
			24	24.89	-0.60	24.29	<=33.01	Pass
		12	0	23.98	-0.60	23.38	<=33.01	Pass
			6	24.00	-0.60	23.40	<=33.01	Pass
			13	23.96	-0.60	23.36	<=33.01	Pass
		25	0	23.97	-0.60	23.37	<=33.01	Pass
	2595	1	0	25.06	-0.60	24.46	<=33.01	Pass
			13	25.13	-0.60	24.53	<=33.01	Pass
			24	24.96	-0.60	24.36	<=33.01	Pass
		12	0	24.05	-0.60	23.45	<=33.01	Pass
			6	24.06	-0.60	23.46	<=33.01	Pass
			13	24.14	-0.60	23.54	<=33.01	Pass
		25	0	24.03	-0.60	23.43	<=33.01	Pass
	2617.5	1	0	25.01	-0.60	24.41	<=33.01	Pass
			13	25.07	-0.60	24.47	<=33.01	Pass
			24	25.01	-0.60	24.41	<=33.01	Pass
		12	0	24.12	-0.60	23.52	<=33.01	Pass
			6	24.13	-0.60	23.53	<=33.01	Pass
			13	24.10	-0.60	23.50	<=33.01	Pass
		25	0	24.12	-0.60	23.52	<=33.01	Pass
16QAM	2572.5	1	0	23.79	-0.60	23.19	<=33.01	Pass
			13	24.07	-0.60	23.47	<=33.01	Pass
			24	23.82	-0.60	23.22	<=33.01	Pass
		12	0	22.90	-0.60	22.30	<=33.01	Pass
			6	23.02	-0.60	22.42	<=33.01	Pass
			13	22.99	-0.60	22.39	<=33.01	Pass
		25	0	23.01	-0.60	22.41	<=33.01	Pass
	2595	1	0	24.02	-0.60	23.42	<=33.01	Pass
			13	23.87	-0.60	23.27	<=33.01	Pass
			24	23.93	-0.60	23.33	<=33.01	Pass
		12	0	23.04	-0.60	22.44	<=33.01	Pass
			6	23.08	-0.60	22.48	<=33.01	Pass
			13	23.02	-0.60	22.42	<=33.01	Pass
		25	0	23.02	-0.60	22.42	<=33.01	Pass
	2617.5	1	0	23.92	-0.60	23.32	<=33.01	Pass
			13	23.98	-0.60	23.38	<=33.01	Pass
			24	23.99	-0.60	23.39	<=33.01	Pass
		12	0	23.17	-0.60	22.57	<=33.01	Pass
			6	23.17	-0.60	22.57	<=33.01	Pass
			13	23.11	-0.60	22.51	<=33.01	Pass
		25	0	23.11	-0.60	22.51	<=33.01	Pass
64QAM	2572.5	1	0	23.76	-0.60	23.16	<=33.01	Pass
			13	23.92	-0.60	23.32	<=33.01	Pass
			24	23.79	-0.60	23.19	<=33.01	Pass
		12	0	23.01	-0.60	22.41	<=33.01	Pass
			6	23.05	-0.60	22.45	<=33.01	Pass
			13	23.02	-0.60	22.42	<=33.01	Pass
		25	0	23.00	-0.60	22.40	<=33.01	Pass

	2595	1	0	23.95	-0.60	23.35	<=33.01	Pass
			13	23.79	-0.60	23.19	<=33.01	Pass
			24	23.83	-0.60	23.23	<=33.01	Pass
		12	0	23.05	-0.60	22.45	<=33.01	Pass
			6	23.09	-0.60	22.49	<=33.01	Pass
			13	23.16	-0.60	22.56	<=33.01	Pass
		25	0	23.04	-0.60	22.44	<=33.01	Pass
	2617.5	1	0	23.96	-0.60	23.36	<=33.01	Pass
			13	23.77	-0.60	23.17	<=33.01	Pass
			24	23.81	-0.60	23.21	<=33.01	Pass
		12	0	23.16	-0.60	22.56	<=33.01	Pass
			6	23.21	-0.60	22.61	<=33.01	Pass
			13	23.10	-0.60	22.50	<=33.01	Pass
		25	0	23.11	-0.60	22.51	<=33.01	Pass
256QAM	2572.5	1	0	19.77	-0.60	19.17	<=33.01	Pass
			13	19.91	-0.60	19.31	<=33.01	Pass
			24	19.82	-0.60	19.22	<=33.01	Pass
		12	0	20.01	-0.60	19.41	<=33.01	Pass
			6	20.00	-0.60	19.40	<=33.01	Pass
			13	19.97	-0.60	19.37	<=33.01	Pass
		25	0	20.06	-0.60	19.46	<=33.01	Pass
	2595	1	0	19.77	-0.60	19.17	<=33.01	Pass
			13	20.05	-0.60	19.45	<=33.01	Pass
			24	20.14	-0.60	19.54	<=33.01	Pass
		12	0	20.03	-0.60	19.43	<=33.01	Pass
			6	20.10	-0.60	19.50	<=33.01	Pass
			13	20.08	-0.60	19.48	<=33.01	Pass
		25	0	20.05	-0.60	19.45	<=33.01	Pass
	2617.5	1	0	19.87	-0.60	19.27	<=33.01	Pass
			13	20.11	-0.60	19.51	<=33.01	Pass
			24	19.99	-0.60	19.39	<=33.01	Pass
		12	0	20.11	-0.60	19.51	<=33.01	Pass
			6	20.15	-0.60	19.55	<=33.01	Pass
			13	20.11	-0.60	19.51	<=33.01	Pass
		25	0	20.10	-0.60	19.50	<=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	24.96	-0.60	24.36	<=33.01	Pass
			25	25.00	-0.60	24.40	<=33.01	Pass
			49	24.96	-0.60	24.36	<=33.01	Pass
		25	0	24.00	-0.60	23.40	<=33.01	Pass
			13	24.07	-0.60	23.47	<=33.01	Pass
			25	24.04	-0.60	23.44	<=33.01	Pass
		50	0	24.09	-0.60	23.49	<=33.01	Pass
	2595	1	0	25.07	-0.60	24.47	<=33.01	Pass
			25	25.14	-0.60	24.54	<=33.01	Pass
			49	25.01	-0.60	24.41	<=33.01	Pass
		25	0	24.07	-0.60	23.47	<=33.01	Pass
			13	24.11	-0.60	23.51	<=33.01	Pass
			25	24.01	-0.60	23.41	<=33.01	Pass
		50	0	24.04	-0.60	23.44	<=33.01	Pass
	2615	1	0	25.11	-0.60	24.51	<=33.01	Pass

		25	25	25.12	-0.60	24.52	<=33.01	Pass
			49	25.02	-0.60	24.42	<=33.01	Pass
			0	24.16	-0.60	23.56	<=33.01	Pass
			13	24.21	-0.60	23.61	<=33.01	Pass
			25	24.15	-0.60	23.55	<=33.01	Pass
		50	0	24.15	-0.60	23.55	<=33.01	Pass
16QAM	2575	1	0	23.62	-0.60	23.02	<=33.01	Pass
			25	24.00	-0.60	23.40	<=33.01	Pass
			49	23.85	-0.60	23.25	<=33.01	Pass
		25	0	22.95	-0.60	22.35	<=33.01	Pass
			13	23.10	-0.60	22.50	<=33.01	Pass
			25	23.01	-0.60	22.41	<=33.01	Pass
		50	0	23.05	-0.60	22.45	<=33.01	Pass
	2595	1	0	24.07	-0.60	23.47	<=33.01	Pass
			25	24.01	-0.60	23.41	<=33.01	Pass
			49	23.72	-0.60	23.12	<=33.01	Pass
		25	0	23.09	-0.60	22.49	<=33.01	Pass
			13	23.10	-0.60	22.50	<=33.01	Pass
			25	23.04	-0.60	22.44	<=33.01	Pass
		50	0	23.09	-0.60	22.49	<=33.01	Pass
	2615	1	0	24.00	-0.60	23.40	<=33.01	Pass
			25	23.94	-0.60	23.34	<=33.01	Pass
			49	23.82	-0.60	23.22	<=33.01	Pass
		25	0	23.17	-0.60	22.57	<=33.01	Pass
			13	23.16	-0.60	22.56	<=33.01	Pass
			25	23.16	-0.60	22.56	<=33.01	Pass
		50	0	23.17	-0.60	22.57	<=33.01	Pass
64QAM	2575	1	0	23.72	-0.60	23.12	<=33.01	Pass
			25	23.75	-0.60	23.15	<=33.01	Pass
			49	23.88	-0.60	23.28	<=33.01	Pass
		25	0	22.98	-0.60	22.38	<=33.01	Pass
			13	23.05	-0.60	22.45	<=33.01	Pass
			25	23.06	-0.60	22.46	<=33.01	Pass
		50	0	23.10	-0.60	22.50	<=33.01	Pass
	2595	1	0	24.00	-0.60	23.40	<=33.01	Pass
			25	24.06	-0.60	23.46	<=33.01	Pass
			49	23.86	-0.60	23.26	<=33.01	Pass
		25	0	23.12	-0.60	22.52	<=33.01	Pass
			13	23.11	-0.60	22.51	<=33.01	Pass
			25	23.05	-0.60	22.45	<=33.01	Pass
		50	0	23.08	-0.60	22.48	<=33.01	Pass
	2615	1	0	24.01	-0.60	23.41	<=33.01	Pass
			25	23.78	-0.60	23.18	<=33.01	Pass
			49	23.91	-0.60	23.31	<=33.01	Pass
		25	0	23.17	-0.60	22.57	<=33.01	Pass
			13	23.15	-0.60	22.55	<=33.01	Pass
			25	23.15	-0.60	22.55	<=33.01	Pass
		50	0	23.18	-0.60	22.58	<=33.01	Pass
256QAM	2575	1	0	19.87	-0.60	19.27	<=33.01	Pass
			25	20.00	-0.60	19.40	<=33.01	Pass
			49	19.91	-0.60	19.31	<=33.01	Pass
		25	0	19.99	-0.60	19.39	<=33.01	Pass
			13	20.11	-0.60	19.51	<=33.01	Pass
			25	20.00	-0.60	19.40	<=33.01	Pass
		50	0	20.02	-0.60	19.42	<=33.01	Pass
	2595	1	0	19.95	-0.60	19.35	<=33.01	Pass
			25	20.11	-0.60	19.51	<=33.01	Pass
			49	19.87	-0.60	19.27	<=33.01	Pass
		25	0	20.10	-0.60	19.50	<=33.01	Pass

			13	20.00	-0.60	19.40	<=33.01	Pass
			25	20.01	-0.60	19.41	<=33.01	Pass
		50	0	20.04	-0.60	19.44	<=33.01	Pass
	2615	1	0	19.90	-0.60	19.30	<=33.01	Pass
			25	19.99	-0.60	19.39	<=33.01	Pass
			49	19.81	-0.60	19.21	<=33.01	Pass
		25	0	20.18	-0.60	19.58	<=33.01	Pass
			13	20.07	-0.60	19.47	<=33.01	Pass
			25	20.13	-0.60	19.53	<=33.01	Pass
		50	0	20.13	-0.60	19.53	<=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	24.71	-0.60	24.11	<=33.01	Pass
			38	24.78	-0.60	24.18	<=33.01	Pass
			74	24.70	-0.60	24.10	<=33.01	Pass
		36	0	23.92	-0.60	23.32	<=33.01	Pass
			18	23.91	-0.60	23.31	<=33.01	Pass
			39	23.91	-0.60	23.31	<=33.01	Pass
		75	0	23.93	-0.60	23.33	<=33.01	Pass
	2595	1	0	24.86	-0.60	24.26	<=33.01	Pass
			38	24.89	-0.60	24.29	<=33.01	Pass
			74	24.74	-0.60	24.14	<=33.01	Pass
		36	0	23.97	-0.60	23.37	<=33.01	Pass
			18	23.93	-0.60	23.33	<=33.01	Pass
			39	23.88	-0.60	23.28	<=33.01	Pass
		75	0	23.93	-0.60	23.33	<=33.01	Pass
	2612.5	1	0	24.84	-0.60	24.24	<=33.01	Pass
			38	24.90	-0.60	24.30	<=33.01	Pass
			74	24.78	-0.60	24.18	<=33.01	Pass
		36	0	24.01	-0.60	23.41	<=33.01	Pass
			18	24.00	-0.60	23.40	<=33.01	Pass
			39	23.99	-0.60	23.39	<=33.01	Pass
		75	0	23.99	-0.60	23.39	<=33.01	Pass
16QAM	2577.5	1	0	23.76	-0.60	23.16	<=33.01	Pass
			38	23.53	-0.60	22.93	<=33.01	Pass
			74	23.57	-0.60	22.97	<=33.01	Pass
		36	0	22.83	-0.60	22.23	<=33.01	Pass
			18	22.94	-0.60	22.34	<=33.01	Pass
			39	22.90	-0.60	22.30	<=33.01	Pass
		75	0	22.96	-0.60	22.36	<=33.01	Pass
	2595	1	0	23.76	-0.60	23.16	<=33.01	Pass
			38	23.77	-0.60	23.17	<=33.01	Pass
			74	23.62	-0.60	23.02	<=33.01	Pass
		36	0	22.90	-0.60	22.30	<=33.01	Pass
			18	22.93	-0.60	22.33	<=33.01	Pass
			39	22.87	-0.60	22.27	<=33.01	Pass
		75	0	22.93	-0.60	22.33	<=33.01	Pass
	2612.5	1	0	23.81	-0.60	23.21	<=33.01	Pass
			38	23.94	-0.60	23.34	<=33.01	Pass
			74	23.75	-0.60	23.15	<=33.01	Pass
		36	0	23.00	-0.60	22.40	<=33.01	Pass
			18	22.99	-0.60	22.39	<=33.01	Pass

			39	22.99	-0.60	22.39	<=33.01	Pass		
		75	0	23.03	-0.60	22.43	<=33.01	Pass		
64QAM	2577.5	1	0	23.61	-0.60	23.01	<=33.01	Pass		
			38	23.65	-0.60	23.05	<=33.01	Pass		
			74	23.29	-0.60	22.69	<=33.01	Pass		
			0	22.86	-0.60	22.26	<=33.01	Pass		
		36	18	22.95	-0.60	22.35	<=33.01	Pass		
			39	22.88	-0.60	22.28	<=33.01	Pass		
			75	0	22.96	-0.60	22.36	<=33.01	Pass	
		2595	1	0	23.82	-0.60	23.22	<=33.01	Pass	
				38	23.96	-0.60	23.36	<=33.01	Pass	
	74			23.73	-0.60	23.13	<=33.01	Pass		
	0			22.96	-0.60	22.36	<=33.01	Pass		
	36		18	22.94	-0.60	22.34	<=33.01	Pass		
			39	22.94	-0.60	22.34	<=33.01	Pass		
			75	0	22.92	-0.60	22.32	<=33.01	Pass	
	2612.5		1	0	23.51	-0.60	22.91	<=33.01	Pass	
				38	23.58	-0.60	22.98	<=33.01	Pass	
		74		23.72	-0.60	23.12	<=33.01	Pass		
		0		23.00	-0.60	22.40	<=33.01	Pass		
		36	18	23.00	-0.60	22.40	<=33.01	Pass		
			39	23.02	-0.60	22.42	<=33.01	Pass		
			75	0	23.04	-0.60	22.44	<=33.01	Pass	
		256QAM	2577.5	1	0	19.72	-0.60	19.12	<=33.01	Pass
					38	19.76	-0.60	19.16	<=33.01	Pass
74	19.77				-0.60	19.17	<=33.01	Pass		
36	0			19.79	-0.60	19.19	<=33.01	Pass		
	18			19.87	-0.60	19.27	<=33.01	Pass		
	39			19.84	-0.60	19.24	<=33.01	Pass		
75	0			19.86	-0.60	19.26	<=33.01	Pass		
2595	1		0	19.85	-0.60	19.25	<=33.01	Pass		
			38	19.88	-0.60	19.28	<=33.01	Pass		
			74	19.81	-0.60	19.21	<=33.01	Pass		
	36		0	19.97	-0.60	19.37	<=33.01	Pass		
			18	19.96	-0.60	19.36	<=33.01	Pass		
			39	19.84	-0.60	19.24	<=33.01	Pass		
	75		0	19.90	-0.60	19.30	<=33.01	Pass		
2612.5	1		0	19.90	-0.60	19.30	<=33.01	Pass		
			38	19.80	-0.60	19.20	<=33.01	Pass		
			74	19.94	-0.60	19.34	<=33.01	Pass		
	36		0	19.98	-0.60	19.38	<=33.01	Pass		
			18	19.97	-0.60	19.37	<=33.01	Pass		
			39	19.82	-0.60	19.22	<=33.01	Pass		
	75		0	19.92	-0.60	19.32	<=33.01	Pass		
Note1: EIRP=Conducted Power+Antenna Gain										

1.1.4 B38_20MHz_EIRP

Band: 38 / Bandwidth: 20MHz / NTV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	2580	1	0	24.82	-0.60	24.22	<=33.01	Pass
			50	24.81	-0.60	24.21	<=33.01	Pass
			99	24.66	-0.60	24.06	<=33.01	Pass
		50	0	23.85	-0.60	23.25	<=33.01	Pass
			25	23.95	-0.60	23.35	<=33.01	Pass
			50	23.90	-0.60	23.30	<=33.01	Pass

		100	0	23.91	-0.60	23.31	<=33.01	Pass	
	2595	1	0	24.85	-0.60	24.25	<=33.01	Pass	
			50	24.82	-0.60	24.22	<=33.01	Pass	
			99	24.70	-0.60	24.10	<=33.01	Pass	
			0	23.96	-0.60	23.36	<=33.01	Pass	
		50	25	23.96	-0.60	23.36	<=33.01	Pass	
			50	23.91	-0.60	23.31	<=33.01	Pass	
	100	0	23.92	-0.60	23.32	<=33.01	Pass		
	2610	1	0	24.92	-0.60	24.32	<=33.01	Pass	
			50	24.86	-0.60	24.26	<=33.01	Pass	
			99	24.77	-0.60	24.17	<=33.01	Pass	
		50	0	24.07	-0.60	23.47	<=33.01	Pass	
			25	24.06	-0.60	23.46	<=33.01	Pass	
			50	23.92	-0.60	23.32	<=33.01	Pass	
		100	0	24.04	-0.60	23.44	<=33.01	Pass	
		16QAM	2580	1	0	23.86	-0.60	23.26	<=33.01
50	23.71				-0.60	23.11	<=33.01	Pass	
99	23.63				-0.60	23.03	<=33.01	Pass	
50	0			22.86	-0.60	22.26	<=33.01	Pass	
	25			22.94	-0.60	22.34	<=33.01	Pass	
	50			22.87	-0.60	22.27	<=33.01	Pass	
100	0			22.89	-0.60	22.29	<=33.01	Pass	
2595	1		0	23.91	-0.60	23.31	<=33.01	Pass	
			50	23.85	-0.60	23.25	<=33.01	Pass	
			99	23.72	-0.60	23.12	<=33.01	Pass	
	50		0	22.95	-0.60	22.35	<=33.01	Pass	
			25	22.94	-0.60	22.34	<=33.01	Pass	
			50	22.92	-0.60	22.32	<=33.01	Pass	
	100		0	22.95	-0.60	22.35	<=33.01	Pass	
2610	1		0	23.84	-0.60	23.24	<=33.01	Pass	
			50	23.89	-0.60	23.29	<=33.01	Pass	
			99	23.75	-0.60	23.15	<=33.01	Pass	
	50		0	23.07	-0.60	22.47	<=33.01	Pass	
			25	23.07	-0.60	22.47	<=33.01	Pass	
			50	22.93	-0.60	22.33	<=33.01	Pass	
	100		0	23.06	-0.60	22.46	<=33.01	Pass	
64QAM	2580		1	0	23.64	-0.60	23.04	<=33.01	Pass
				50	23.53	-0.60	22.93	<=33.01	Pass
				99	23.53	-0.60	22.93	<=33.01	Pass
		50	0	22.89	-0.60	22.29	<=33.01	Pass	
			25	22.96	-0.60	22.36	<=33.01	Pass	
			50	22.88	-0.60	22.28	<=33.01	Pass	
		100	0	22.92	-0.60	22.32	<=33.01	Pass	
	2595	1	0	23.72	-0.60	23.12	<=33.01	Pass	
			50	23.64	-0.60	23.04	<=33.01	Pass	
			99	23.68	-0.60	23.08	<=33.01	Pass	
		50	0	22.92	-0.60	22.32	<=33.01	Pass	
			25	22.96	-0.60	22.36	<=33.01	Pass	
			50	22.89	-0.60	22.29	<=33.01	Pass	
		100	0	22.96	-0.60	22.36	<=33.01	Pass	
	2610	1	0	23.64	-0.60	23.04	<=33.01	Pass	
			50	23.64	-0.60	23.04	<=33.01	Pass	
			99	23.73	-0.60	23.13	<=33.01	Pass	
		50	0	23.01	-0.60	22.41	<=33.01	Pass	
			25	23.06	-0.60	22.46	<=33.01	Pass	
			50	22.91	-0.60	22.31	<=33.01	Pass	
		100	0	23.01	-0.60	22.41	<=33.01	Pass	
	256QAM	2580	1	0	19.74	-0.60	19.14	<=33.01	Pass
				50	19.73	-0.60	19.13	<=33.01	Pass

			99	19.71	-0.60	19.11	<=33.01	Pass
		50	0	19.79	-0.60	19.19	<=33.01	Pass
			25	19.67	-0.60	19.07	<=33.01	Pass
			50	19.81	-0.60	19.21	<=33.01	Pass
		100	0	19.85	-0.60	19.25	<=33.01	Pass
	2595	1	0	19.90	-0.60	19.30	<=33.01	Pass
			50	19.76	-0.60	19.16	<=33.01	Pass
			99	19.84	-0.60	19.24	<=33.01	Pass
		50	0	19.98	-0.60	19.38	<=33.01	Pass
			25	19.92	-0.60	19.32	<=33.01	Pass
			50	19.82	-0.60	19.22	<=33.01	Pass
		100	0	19.87	-0.60	19.27	<=33.01	Pass
		2610	1	0	19.99	-0.60	19.39	<=33.01
	50			19.86	-0.60	19.26	<=33.01	Pass
	99			19.92	-0.60	19.32	<=33.01	Pass
	50		0	20.05	-0.60	19.45	<=33.01	Pass
			25	20.05	-0.60	19.45	<=33.01	Pass
			50	19.79	-0.60	19.19	<=33.01	Pass
	100		0	19.93	-0.60	19.33	<=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	3.000	0.0012	-2.5 to 2.5	Pass
					NV	-0.400	-0.0002	-2.5 to 2.5	Pass
					HV	2.300	0.0009	-2.5 to 2.5	Pass
				-30	NV	2.400	0.0009	-2.5 to 2.5	Pass
				-20	NV	4.700	0.0018	-2.5 to 2.5	Pass
				-10	NV	-1.400	-0.0005	-2.5 to 2.5	Pass
				0	NV	1.200	0.0005	-2.5 to 2.5	Pass
				10	NV	2.500	0.0010	-2.5 to 2.5	Pass
				30	NV	1.000	0.0004	-2.5 to 2.5	Pass
				40	NV	1.300	0.0005	-2.5 to 2.5	Pass
				50	NV	0.000	0.0000	-2.5 to 2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 Band38_OBW

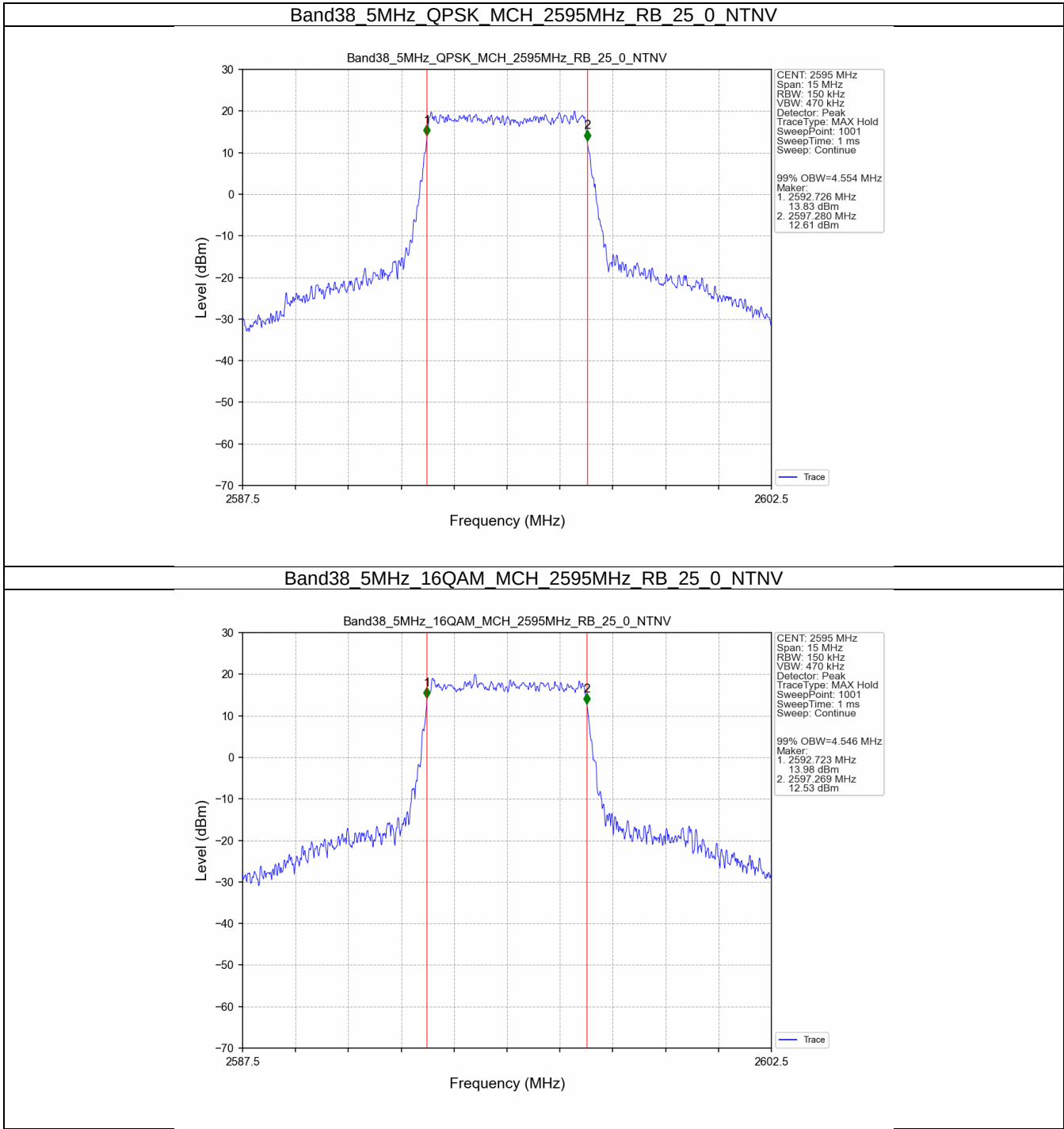
Band: 38 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2595	25	0	4.554	/	Pass
	16QAM	2595	25	0	4.546	/	Pass
	64QAM	2595	25	0	4.562	/	Pass
	256QAM	2595	25	0	4.543	/	Pass
10	QPSK	2595	50	0	9.095	/	Pass
	16QAM	2595	50	0	9.074	/	Pass
	64QAM	2595	50	0	9.070	/	Pass
	256QAM	2595	50	0	9.077	/	Pass
15	QPSK	2595	75	0	13.617	/	Pass
	16QAM	2595	75	0	13.590	/	Pass
	64QAM	2595	75	0	13.595	/	Pass
	256QAM	2595	75	0	13.596	/	Pass
20	QPSK	2595	100	0	18.163	/	Pass
	16QAM	2595	100	0	18.134	/	Pass
	64QAM	2595	100	0	18.134	/	Pass
	256QAM	2595	100	0	18.092	/	Pass

3.1.2 Band38_XDB

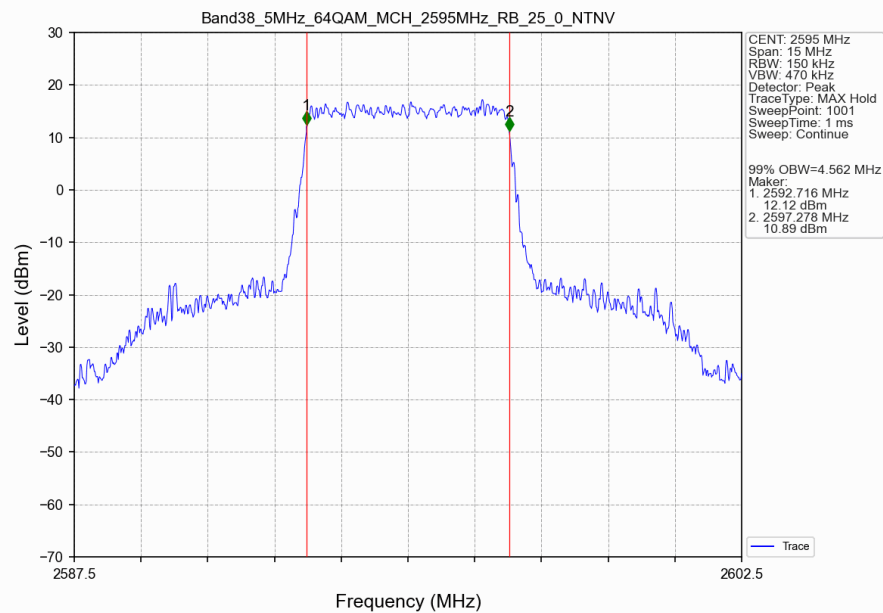
Band: 38 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2595	25	0	5.205	/	Pass
	16QAM	2595	25	0	5.134	/	Pass
	64QAM	2595	25	0	5.166	/	Pass
	256QAM	2595	25	0	5.168	/	Pass
10	QPSK	2595	50	0	10.256	/	Pass
	16QAM	2595	50	0	10.231	/	Pass
	64QAM	2595	50	0	10.295	/	Pass
	256QAM	2595	50	0	10.154	/	Pass
15	QPSK	2595	75	0	15.332	/	Pass
	16QAM	2595	75	0	15.175	/	Pass
	64QAM	2595	75	0	15.203	/	Pass
	256QAM	2595	75	0	15.208	/	Pass
20	QPSK	2595	100	0	20.103	/	Pass
	16QAM	2595	100	0	19.989	/	Pass
	64QAM	2595	100	0	20.042	/	Pass
	256QAM	2595	100	0	19.937	/	Pass

3.2 Test Graph

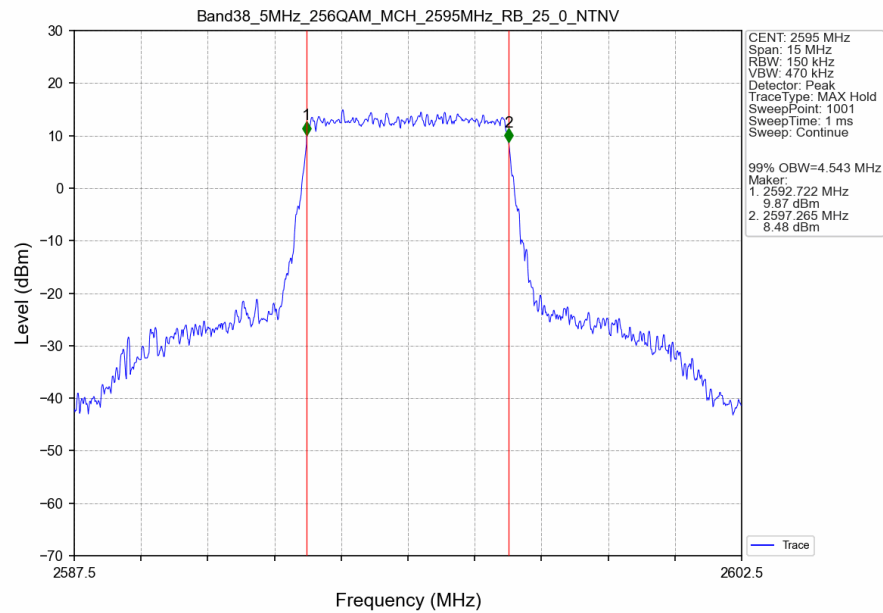
3.2.1 Band38_OBW



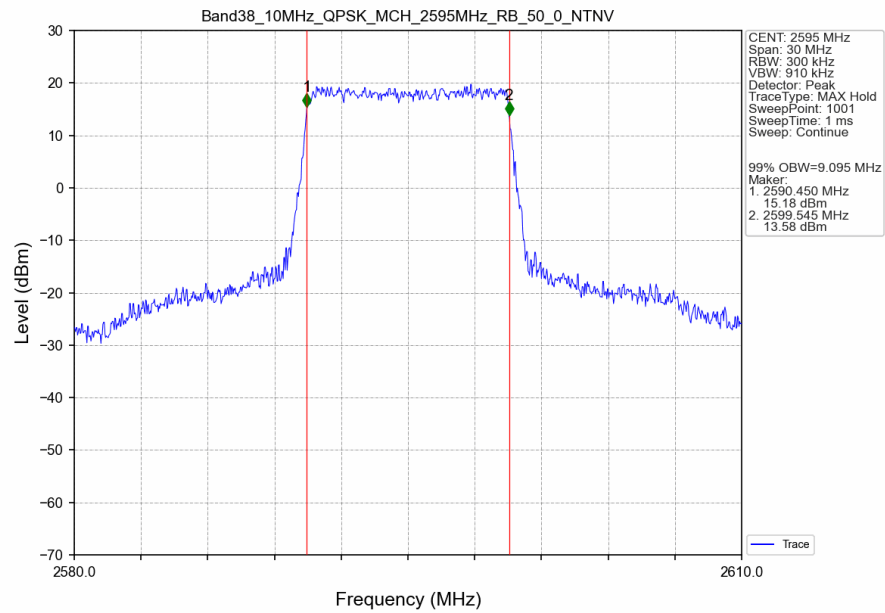
Band38 5MHz 64QAM MCH 2595MHz RB 25 0 NTNV



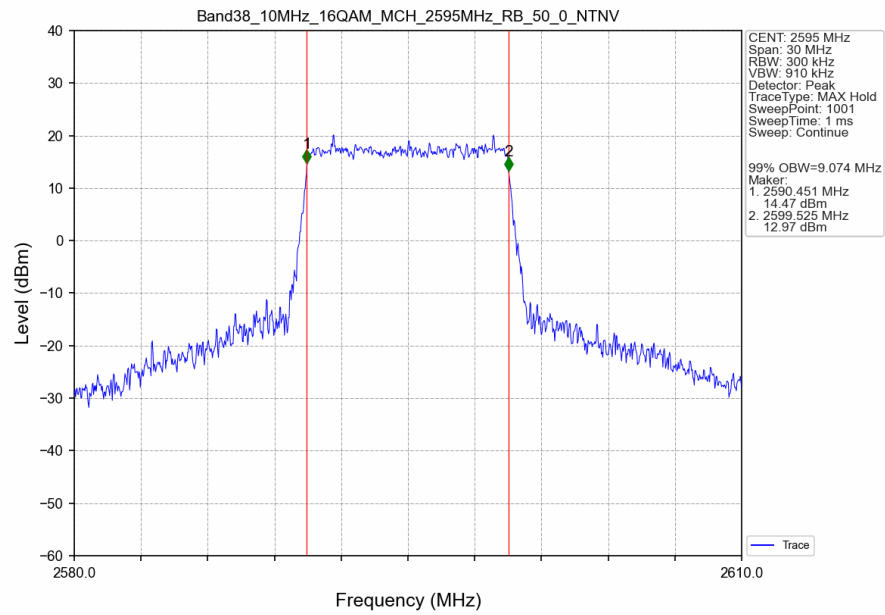
Band38 5MHz 256QAM MCH 2595MHz RB 25 0 NTNV



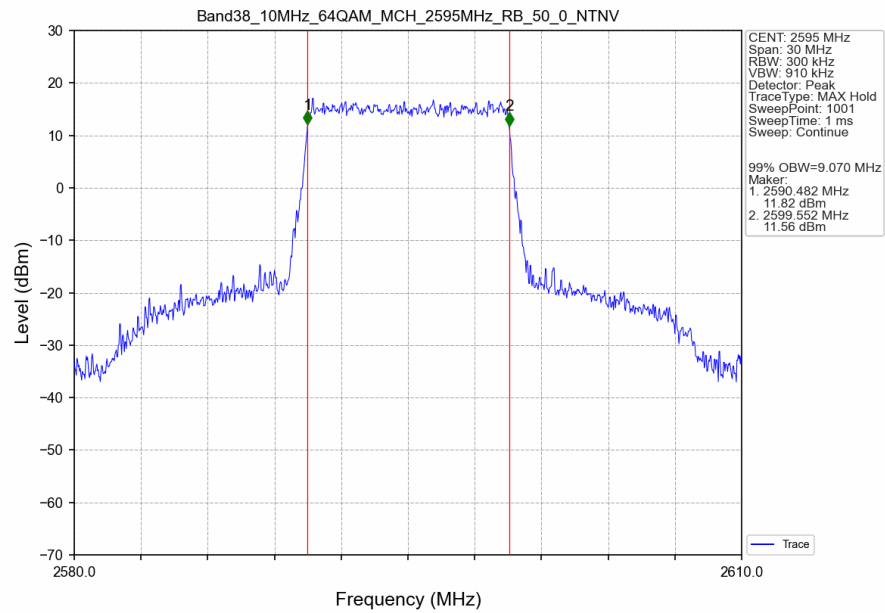
Band38 10MHz QPSK MCH 2595MHz RB 50 0 NTNV



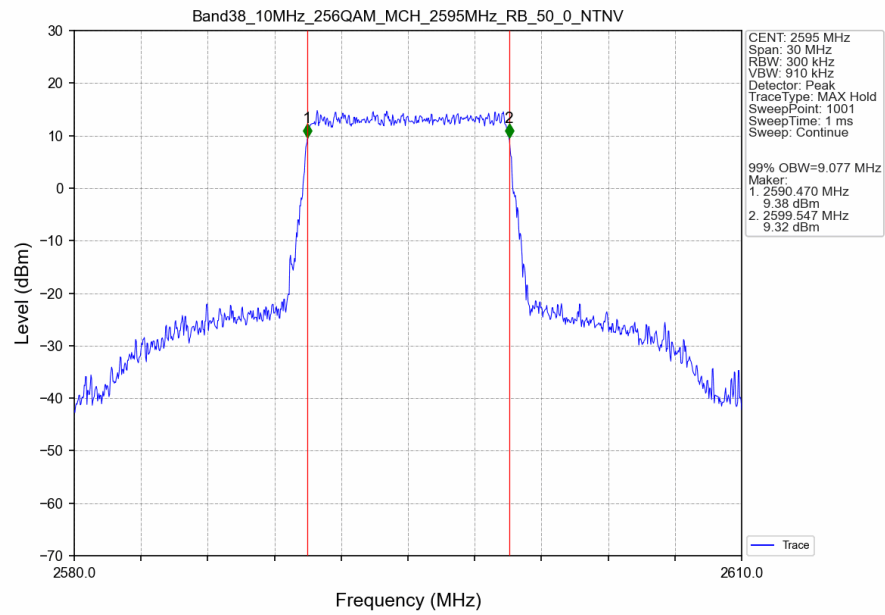
Band38 10MHz 16QAM MCH 2595MHz RB 50 0 NTNV



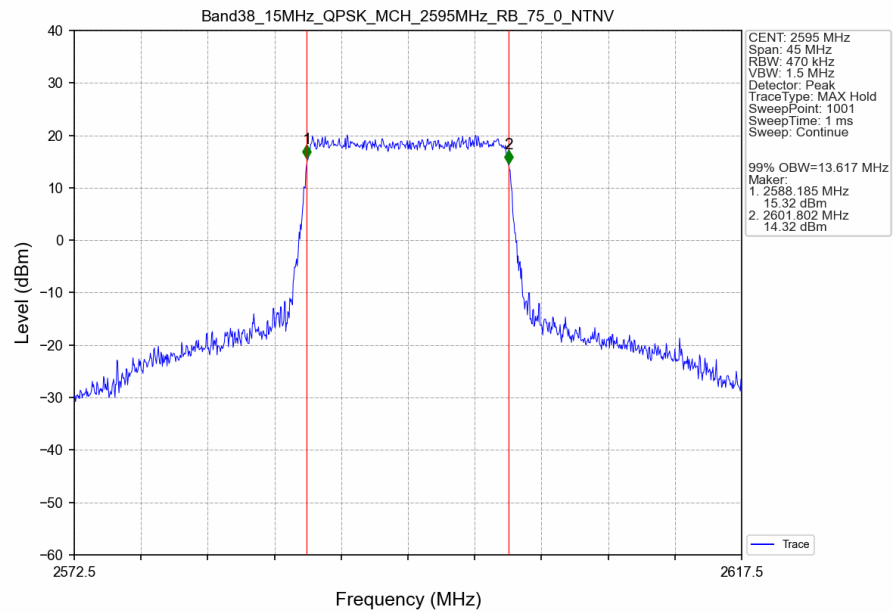
Band38 10MHz 64QAM MCH 2595MHz RB 50 0 NTN



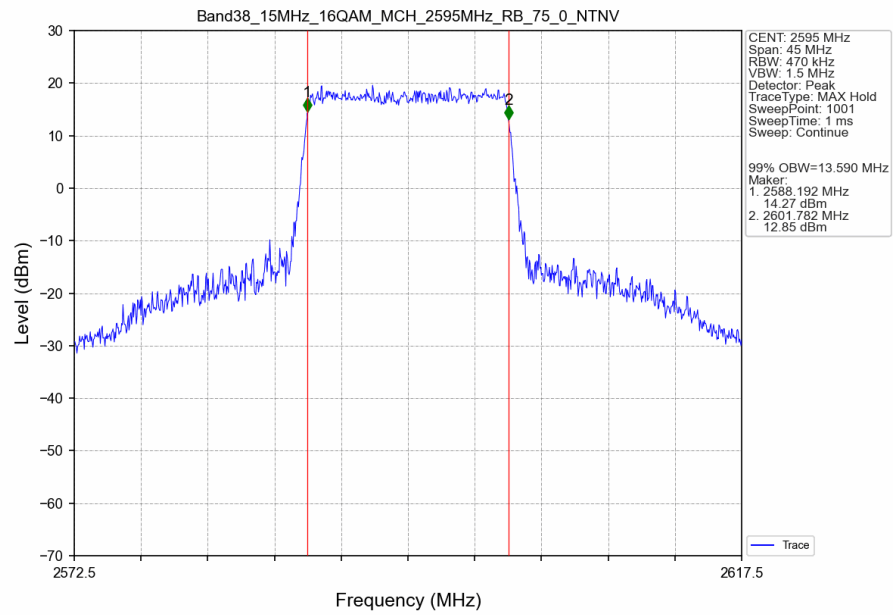
Band38 10MHz 256QAM MCH 2595MHz RB 50 0 NTN



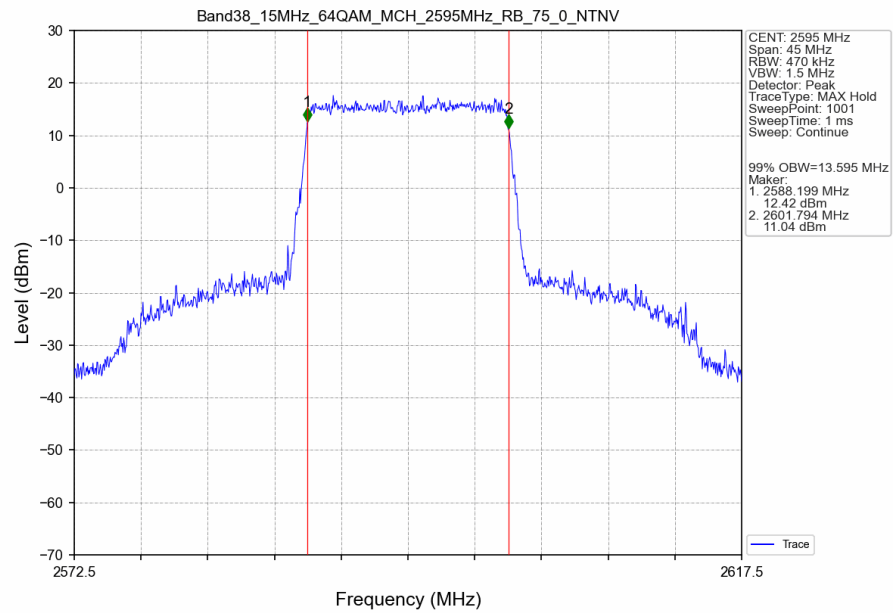
Band38 15MHz QPSK MCH 2595MHz RB 75 0 NTV



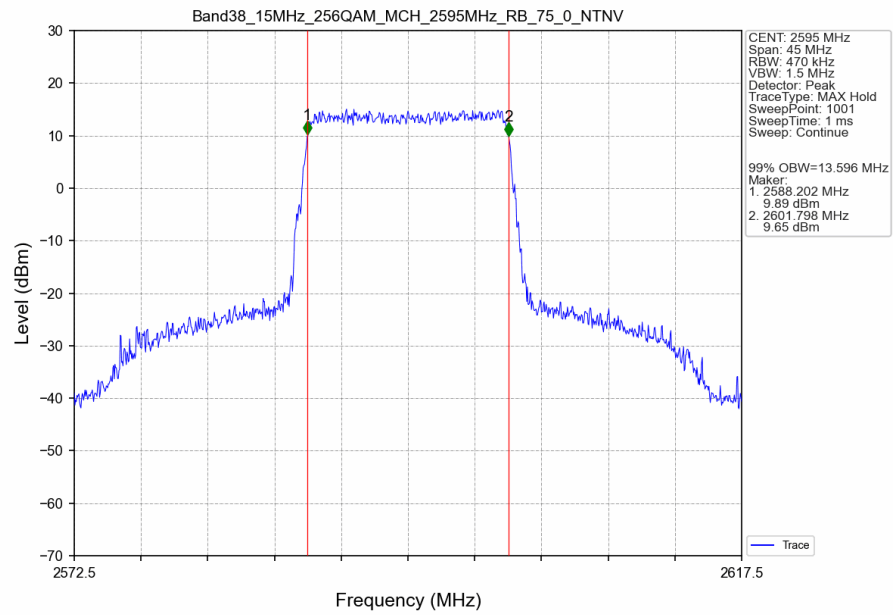
Band38 15MHz 16QAM MCH 2595MHz RB 75 0 NTV



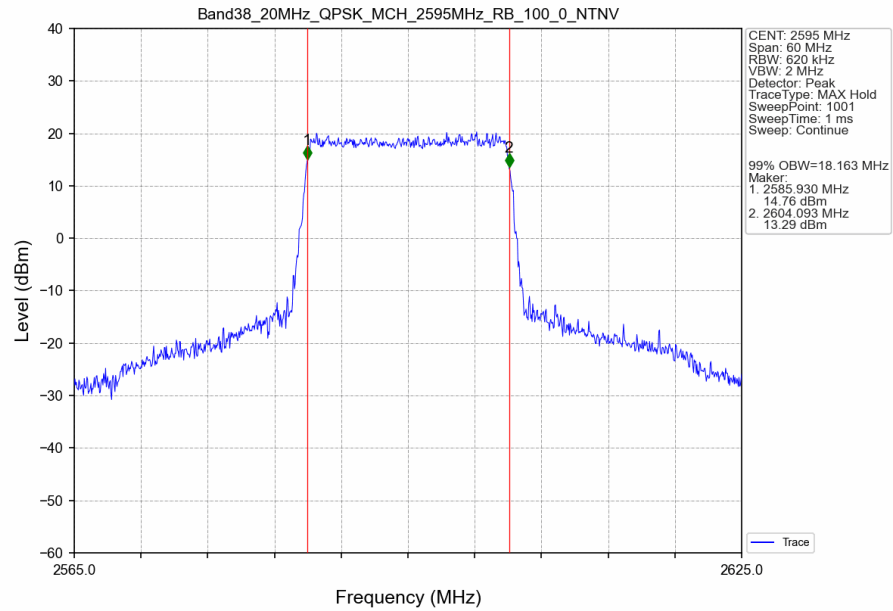
Band38 15MHz 64QAM MCH 2595MHz RB 75 0 NTN



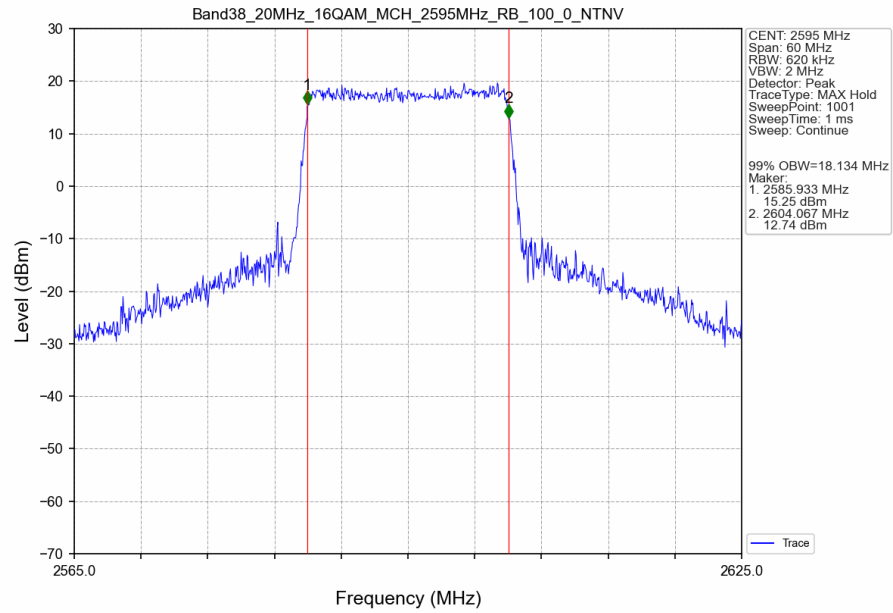
Band38 15MHz 256QAM MCH 2595MHz RB 75 0 NTN



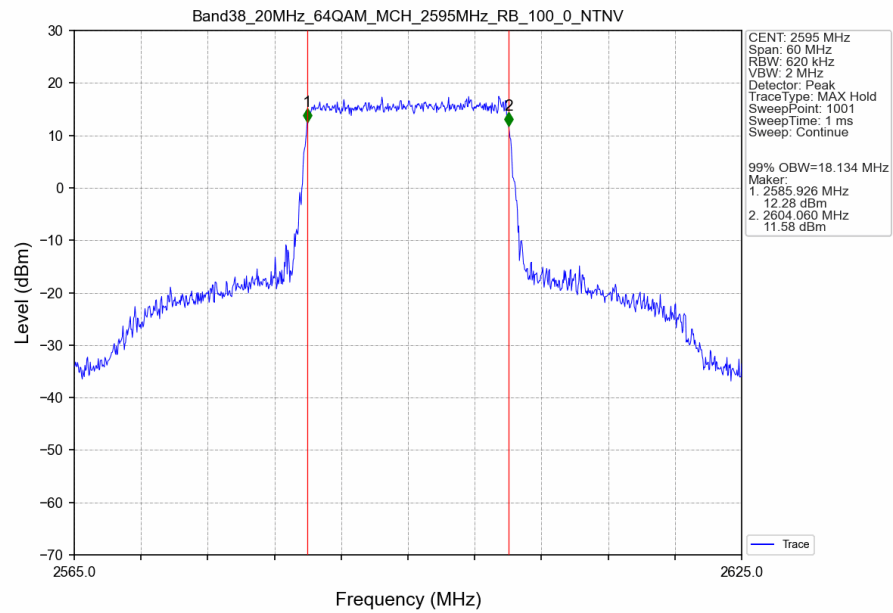
Band38 20MHz QPSK MCH 2595MHz RB 100 0 NTV



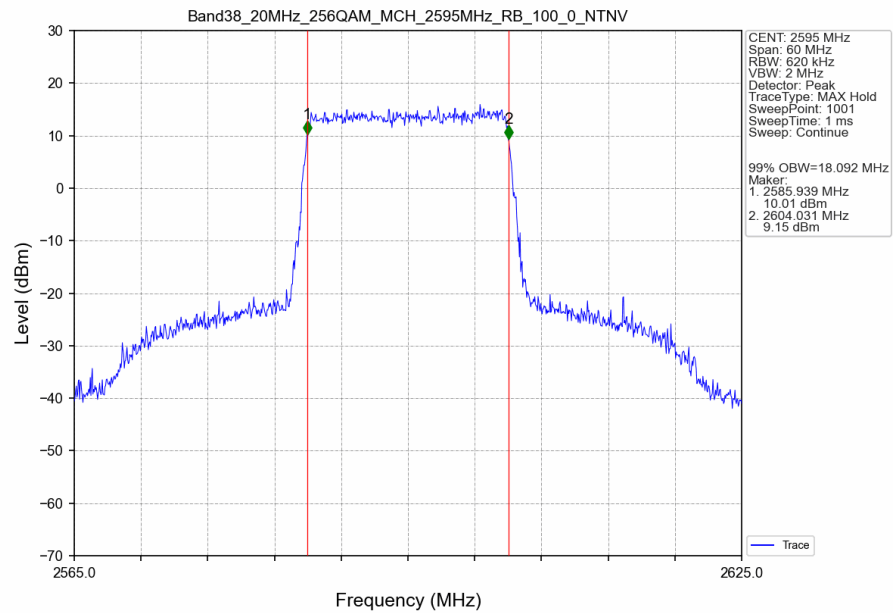
Band38 20MHz 16QAM MCH 2595MHz RB 100 0 NTV



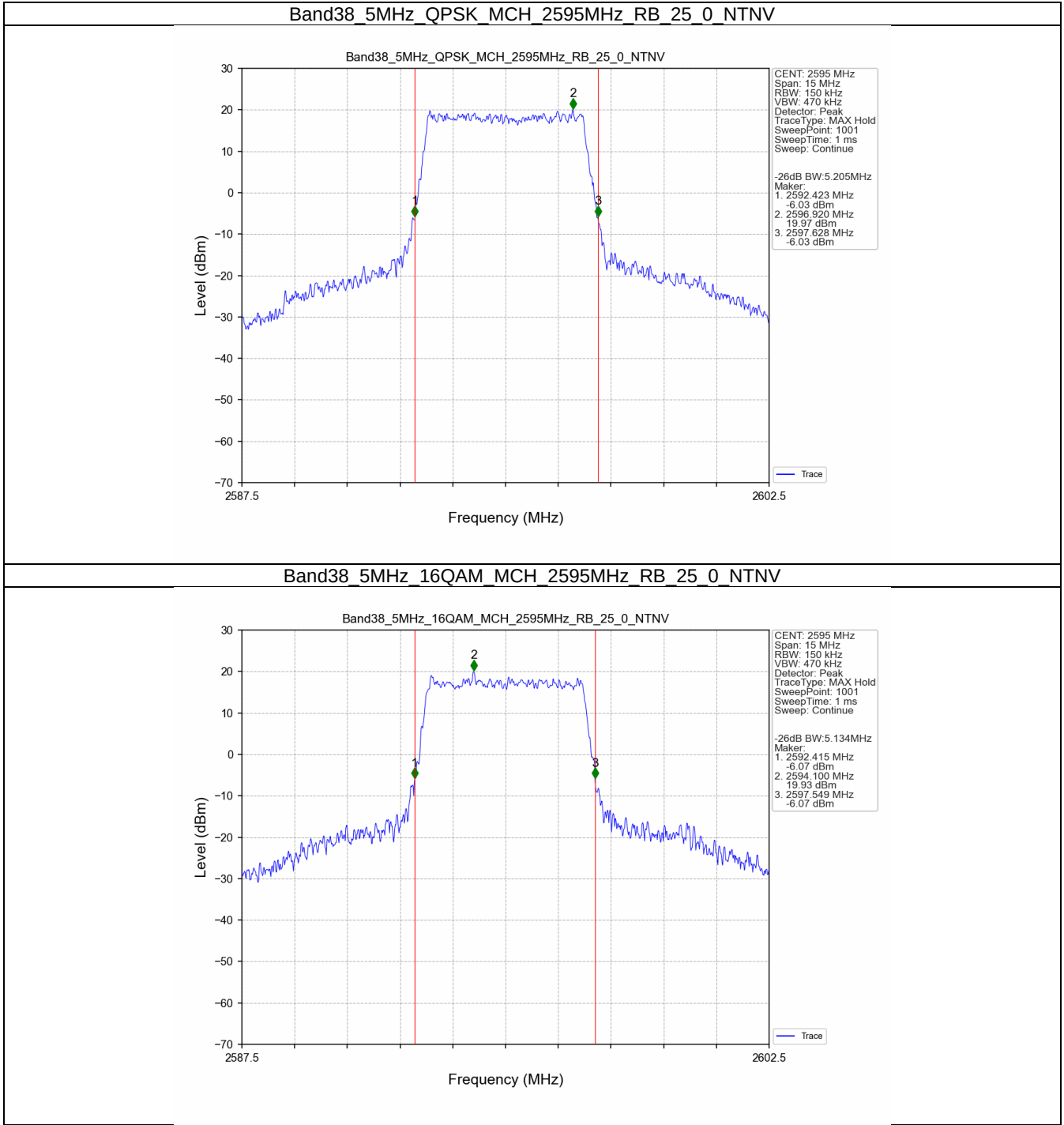
Band38 20MHz 64QAM MCH 2595MHz RB 100 0 NTNV



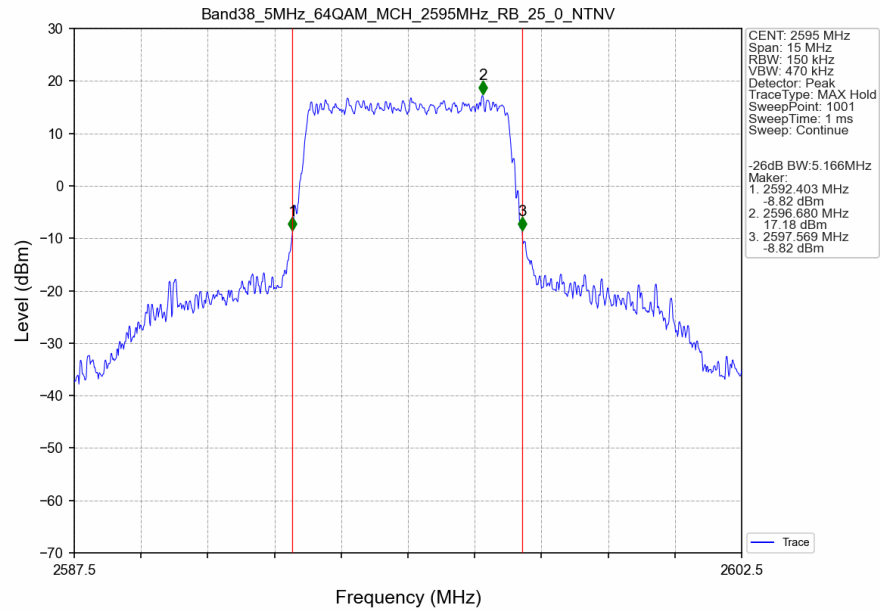
Band38 20MHz 256QAM MCH 2595MHz RB 100 0 NTNV



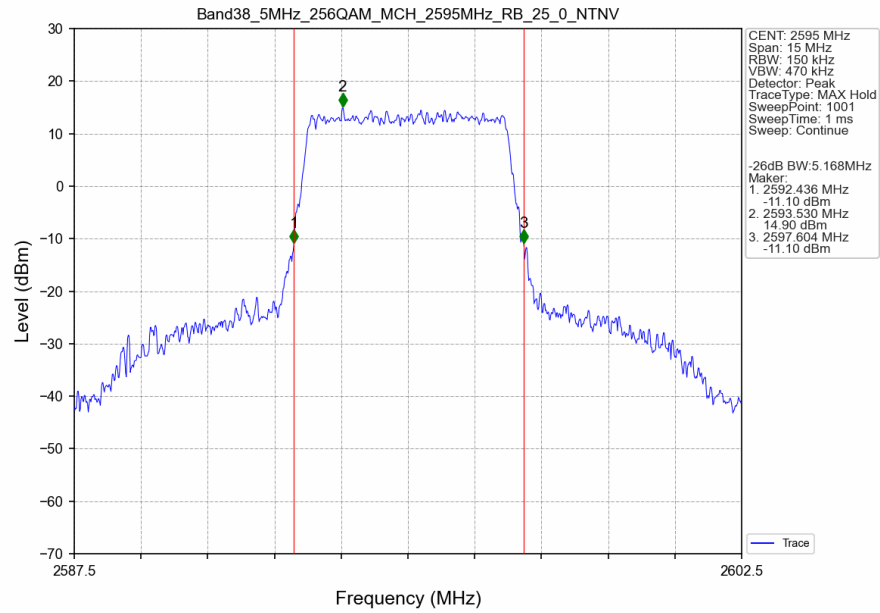
3.2.2 Band38_XDB



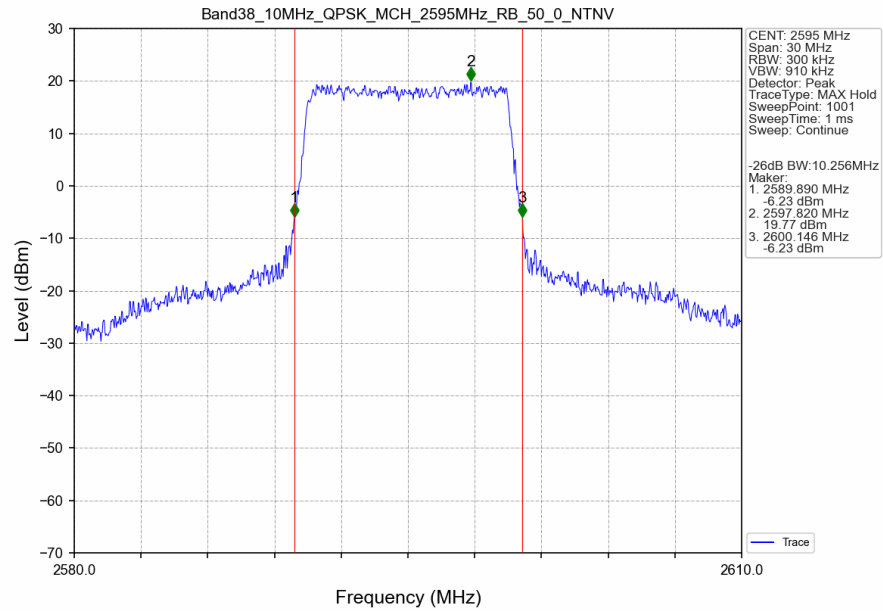
Band38 5MHz 64QAM MCH 2595MHz RB 25 0 NTN



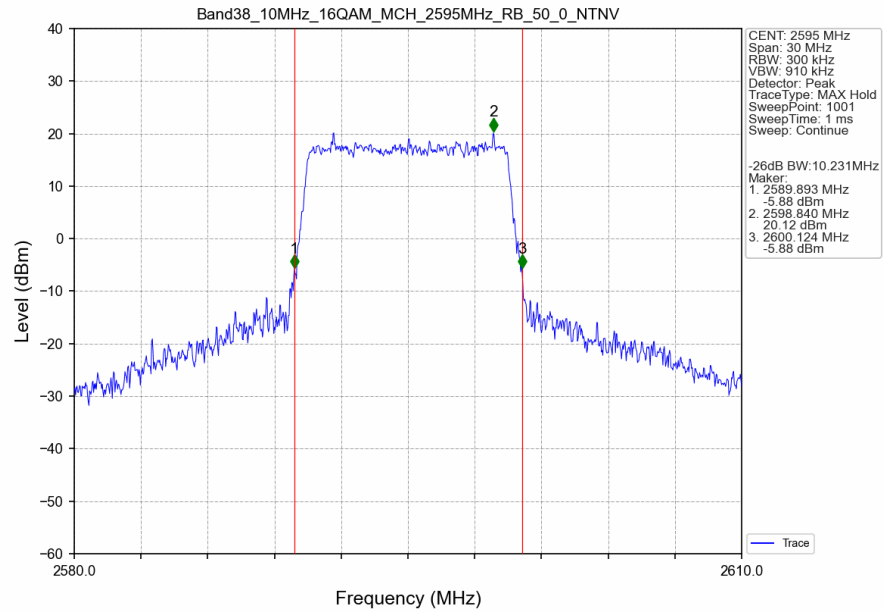
Band38 5MHz 256QAM MCH 2595MHz RB 25 0 NTN



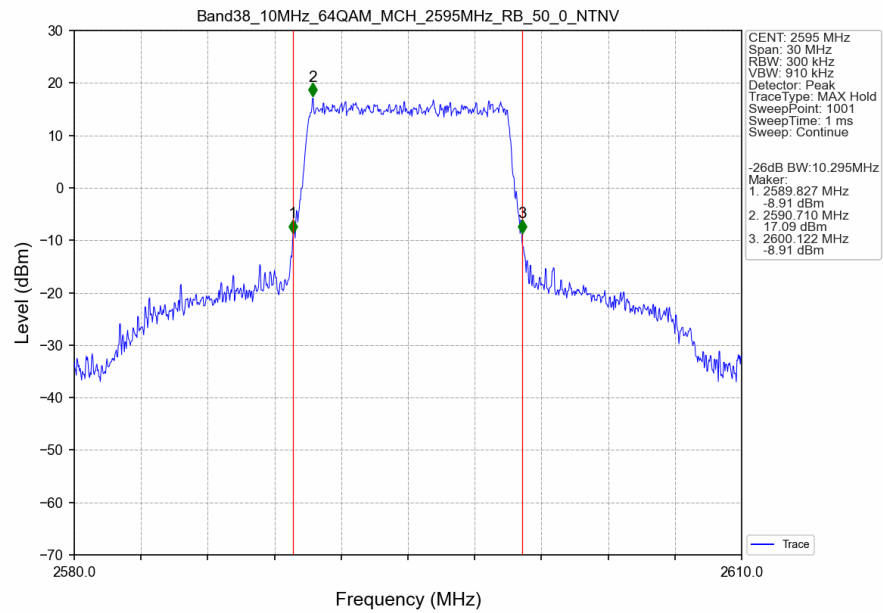
Band38 10MHz QPSK MCH 2595MHz RB 50 0 NTN



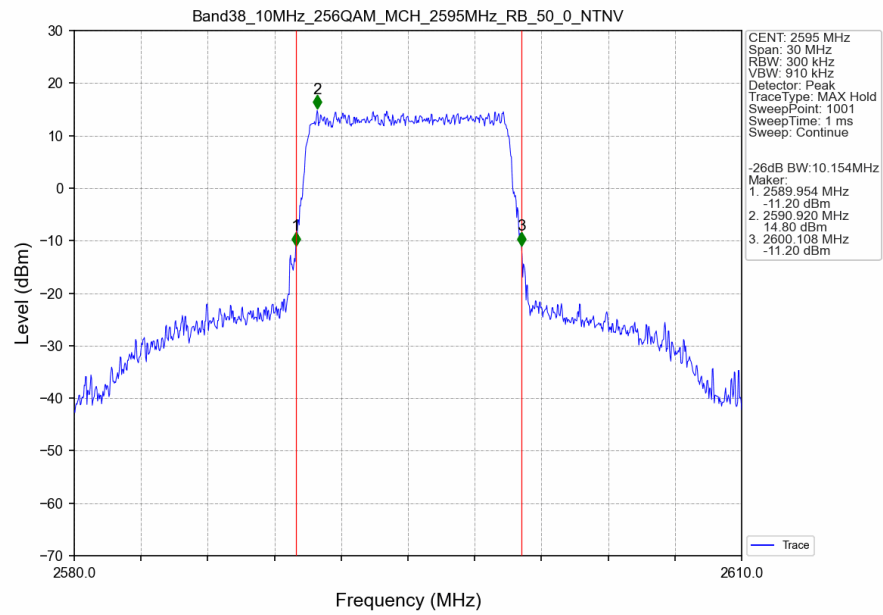
Band38 10MHz 16QAM MCH 2595MHz RB 50 0 NTN



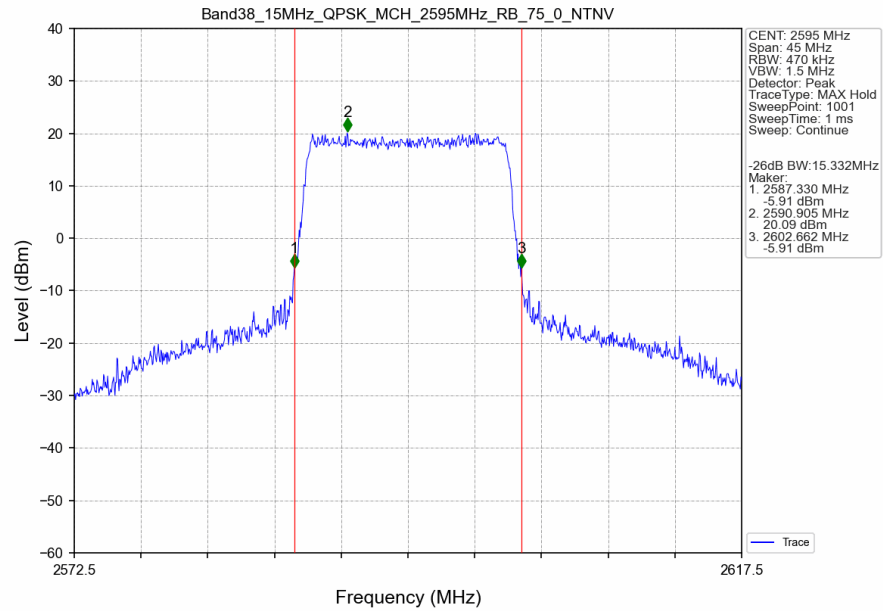
Band38 10MHz 64QAM MCH 2595MHz RB 50 0 NTV



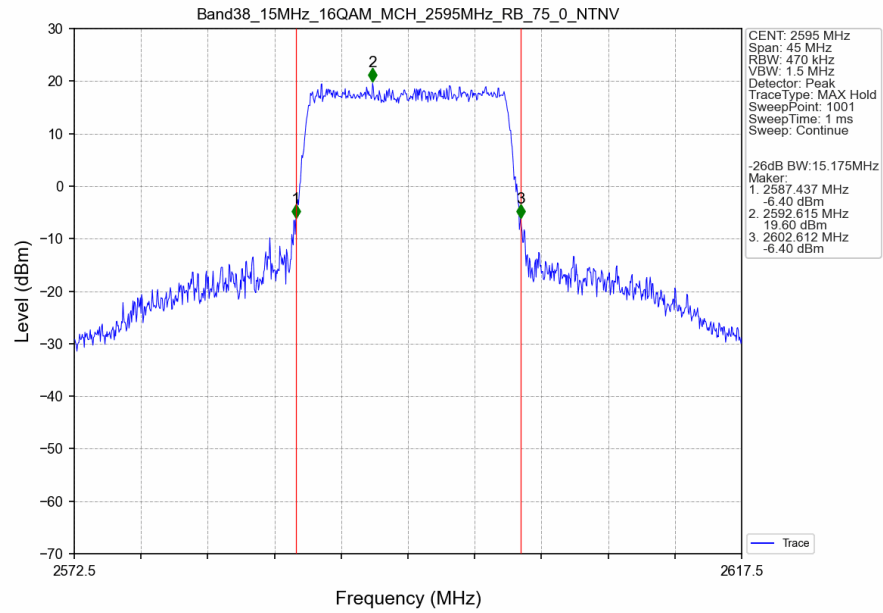
Band38 10MHz 256QAM MCH 2595MHz RB 50 0 NTV



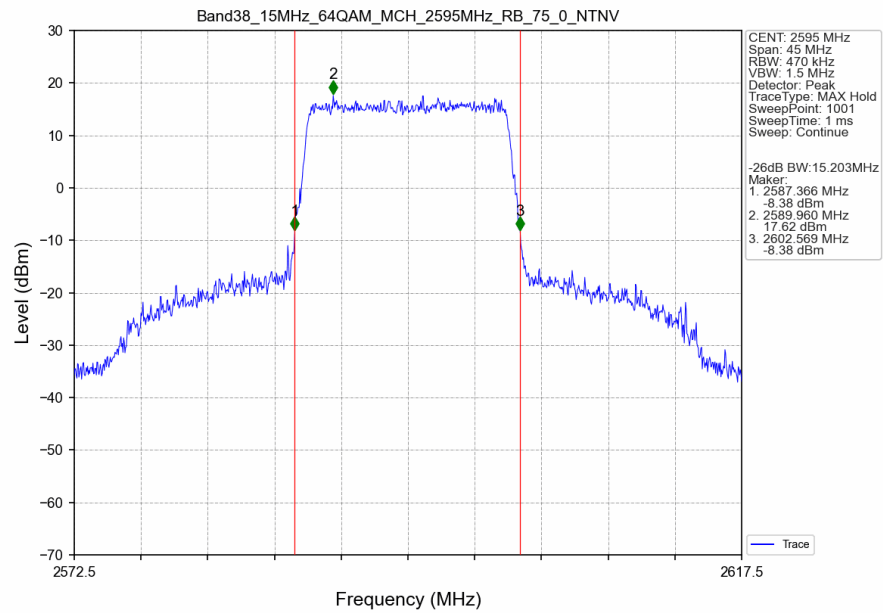
Band38 15MHz QPSK MCH 2595MHz RB 75 0 NTN



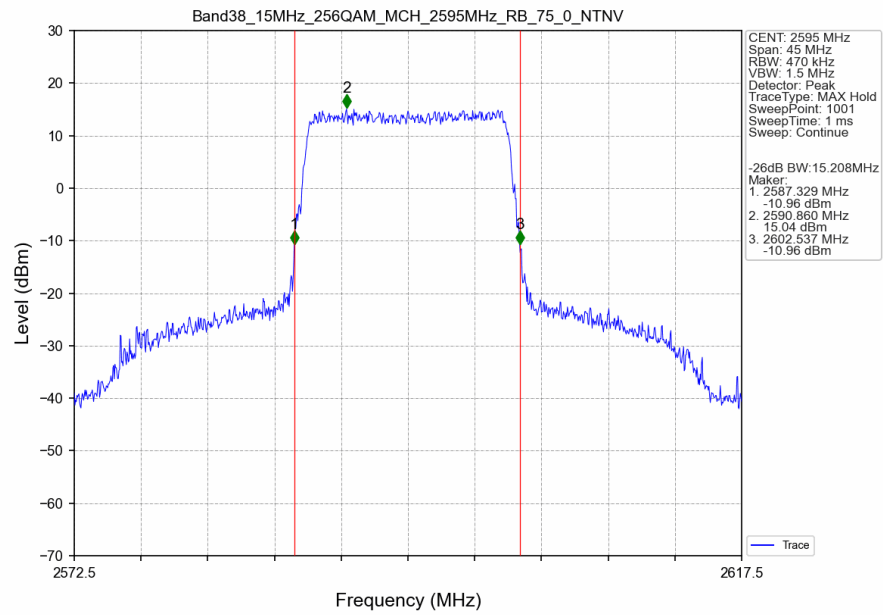
Band38 15MHz 16QAM MCH 2595MHz RB 75 0 NTN



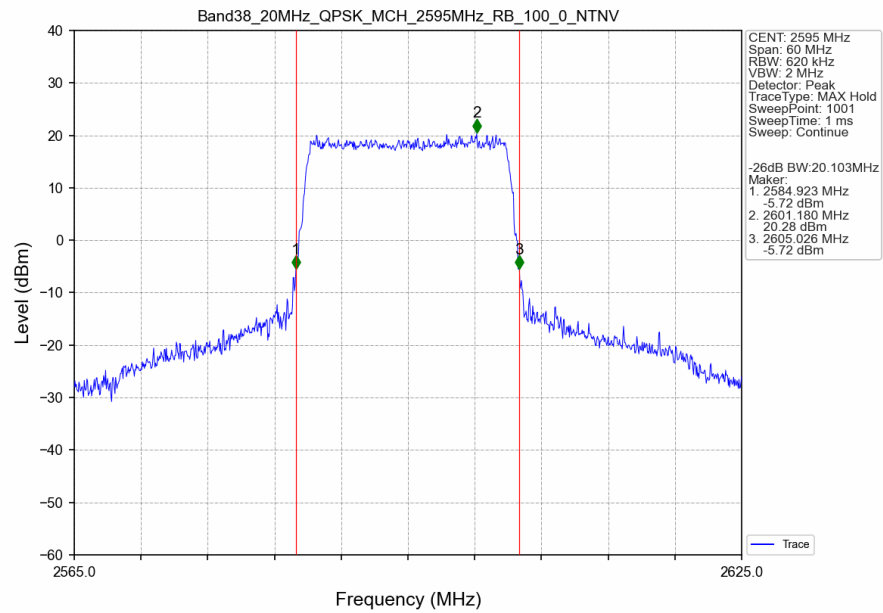
Band38 15MHz 64QAM MCH 2595MHz RB 75 0 NTNV



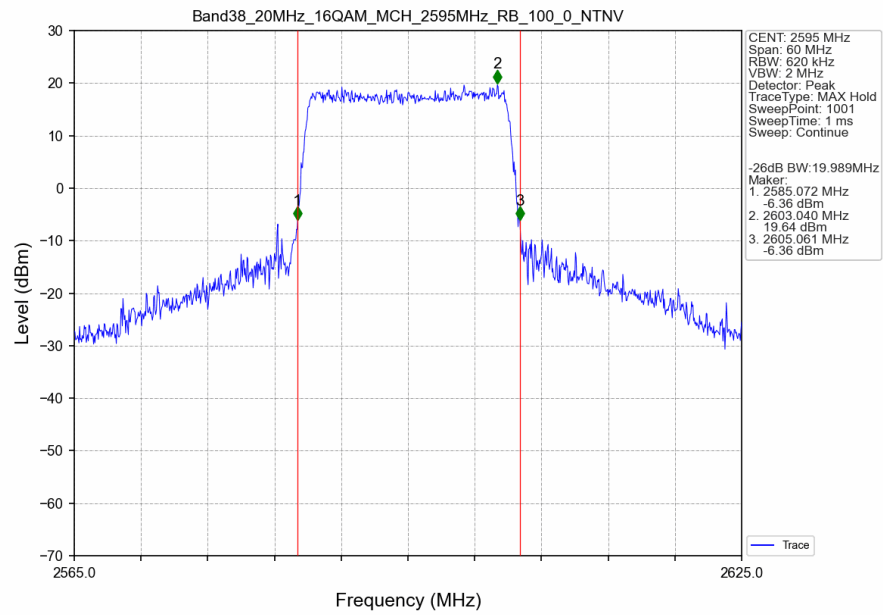
Band38 15MHz 256QAM MCH 2595MHz RB 75 0 NTNV



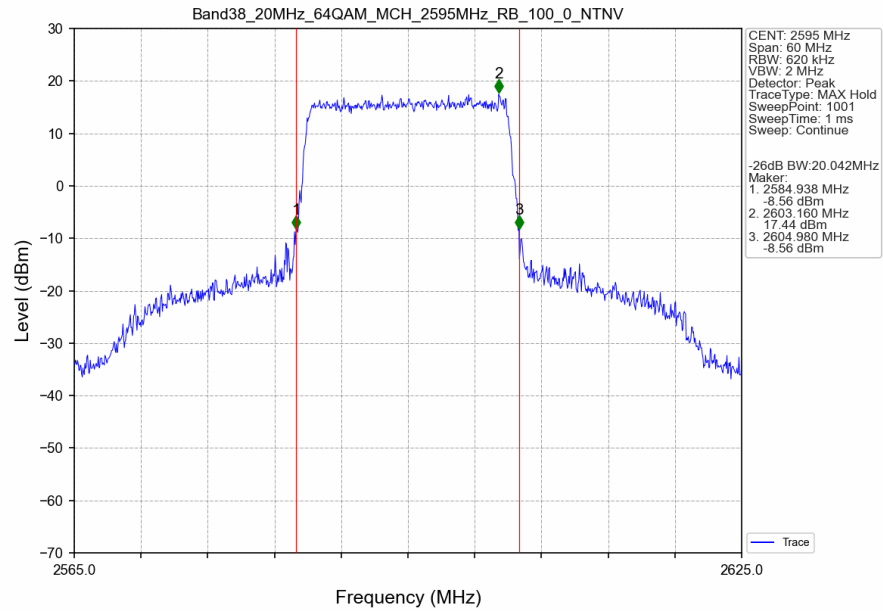
Band38 20MHz QPSK MCH 2595MHz RB 100 0 NTNV



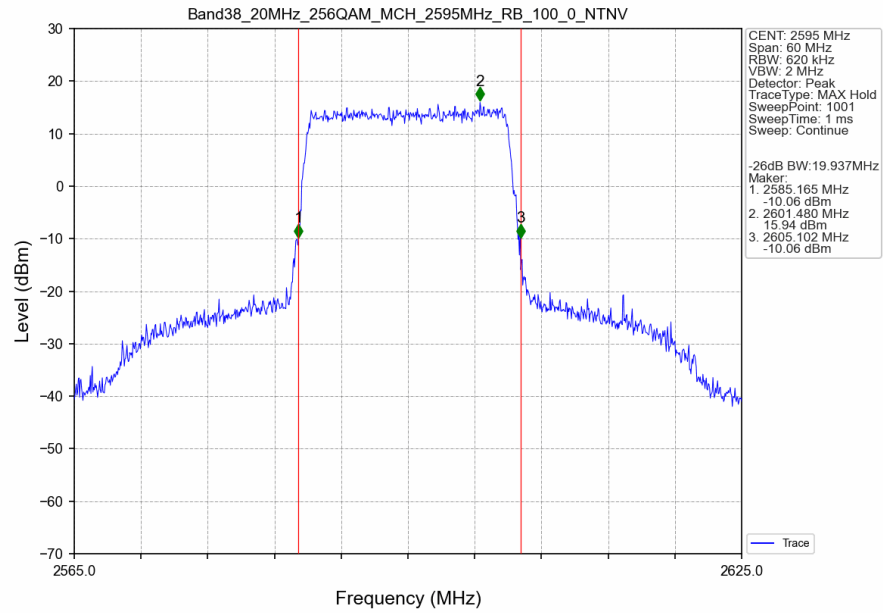
Band38 20MHz 16QAM MCH 2595MHz RB 100 0 NTNV



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



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



4. Peak-Average Ratio

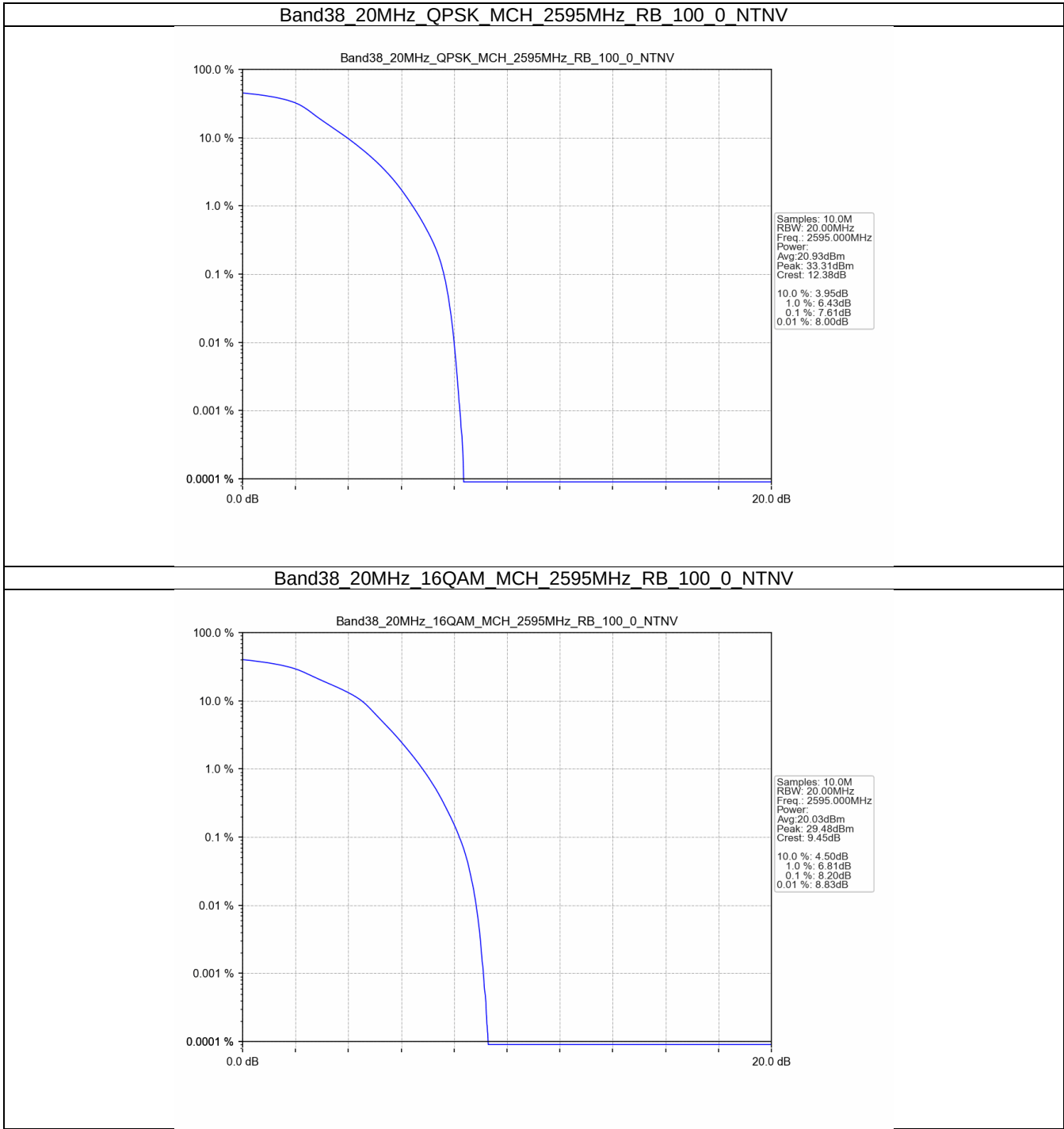
4.1 Test Result

4.1.1 B38_20MHz

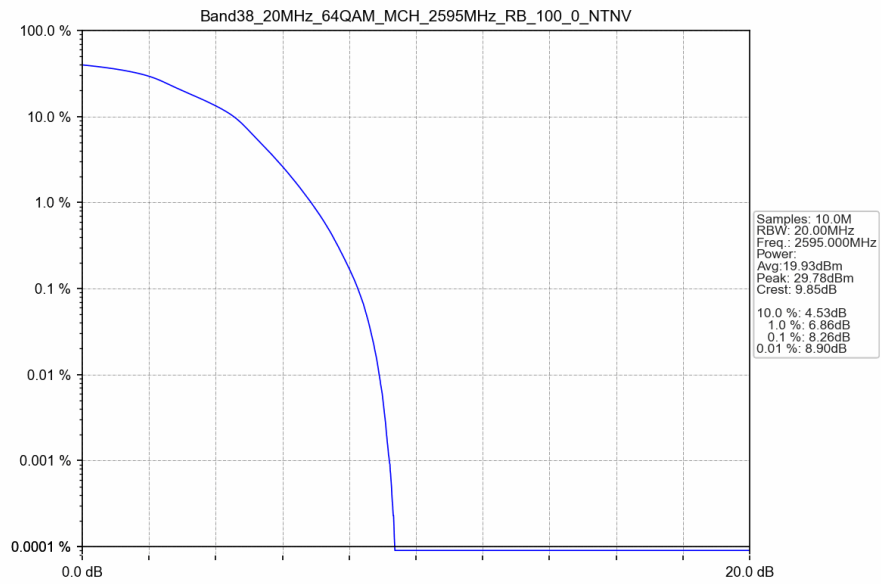
Band: 38 / Bandwidth: 20MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2595	100	0	7.61	<=13	Pass
16QAM	2595	100	0	8.20	<=13	Pass
64QAM	2595	100	0	8.26	<=13	Pass
256QAM	2595	100	0	8.44	<=13	Pass

4.2 Test Graph

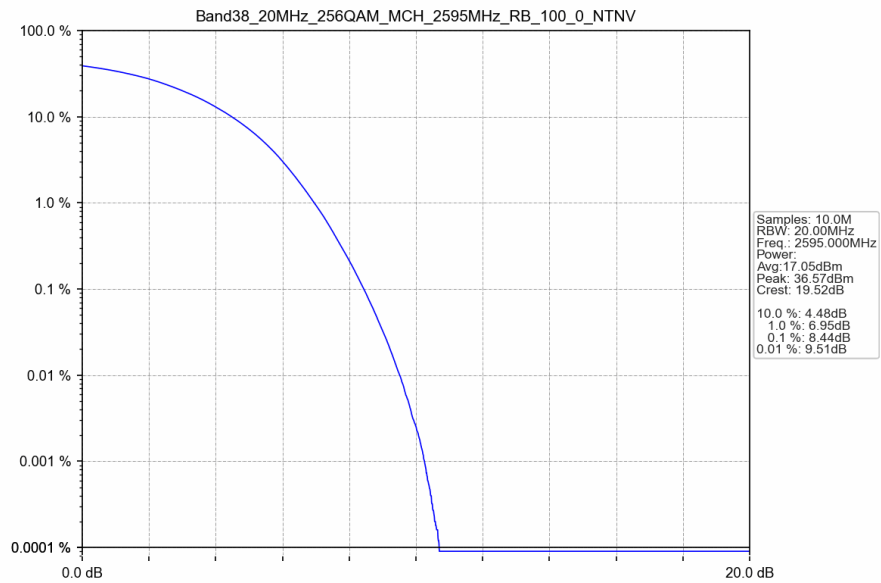
4.2.1 B38_20MHz



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



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



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

5.1.3 B38_15MHz

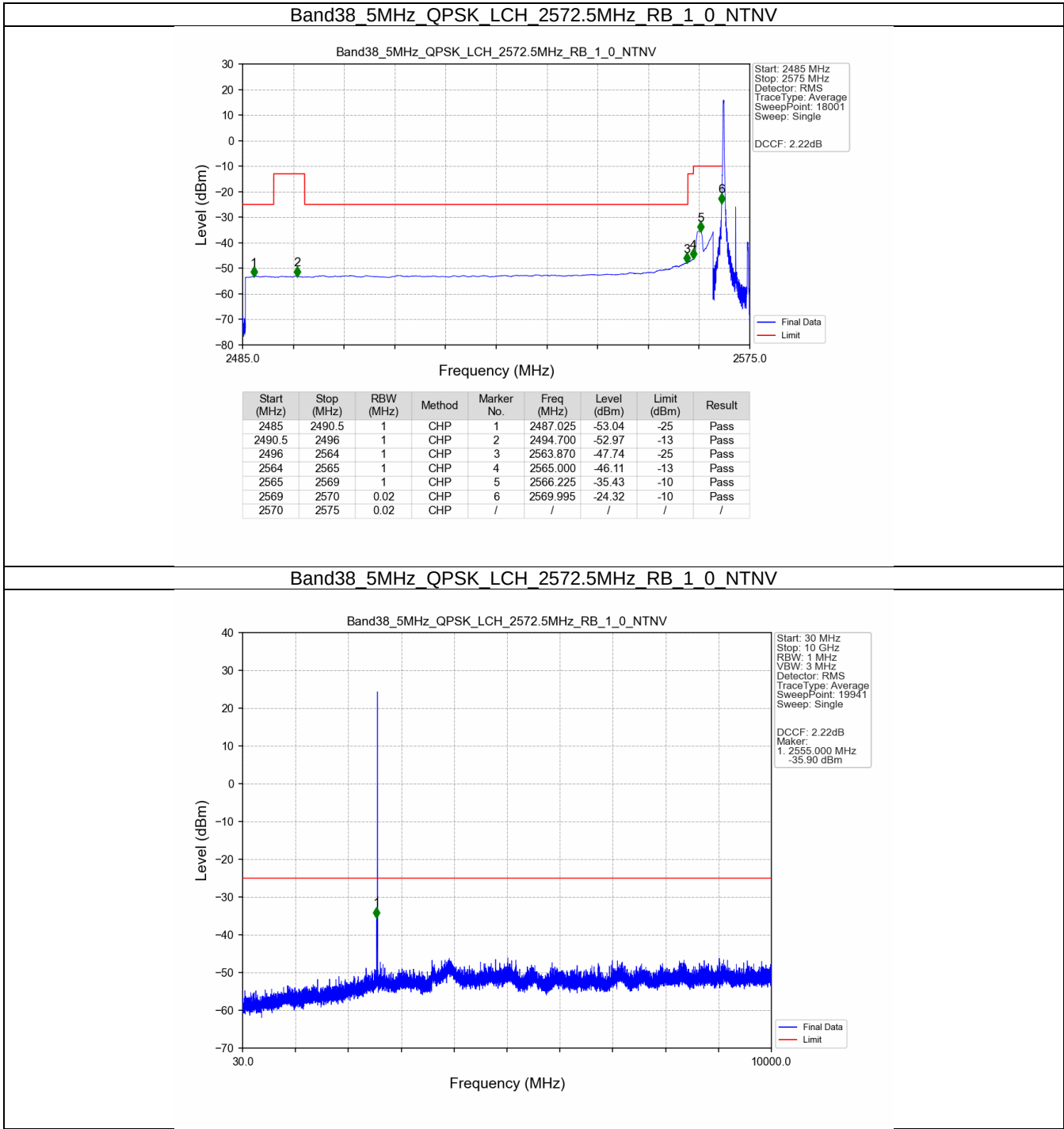
Band: 38 / Bandwidth: 15MHz / NTVN						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	2577.5	1	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	2595	1	0	Refer To Test Graph		Pass
	2612.5	1	0	Refer To Test Graph		Pass
			74	Refer To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

5.1.4 B38_20MHz

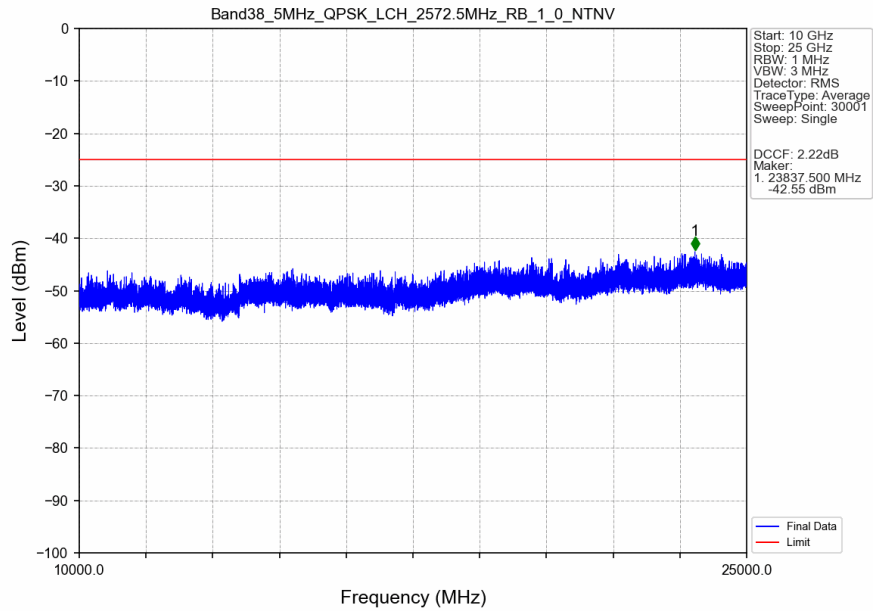
Band: 38 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	2580	1	0	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	2595	1	0	Refer To Test Graph		Pass
	2610	1	0	Refer To Test Graph		Pass
			99	Refer To Test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

5.2 Test Graph

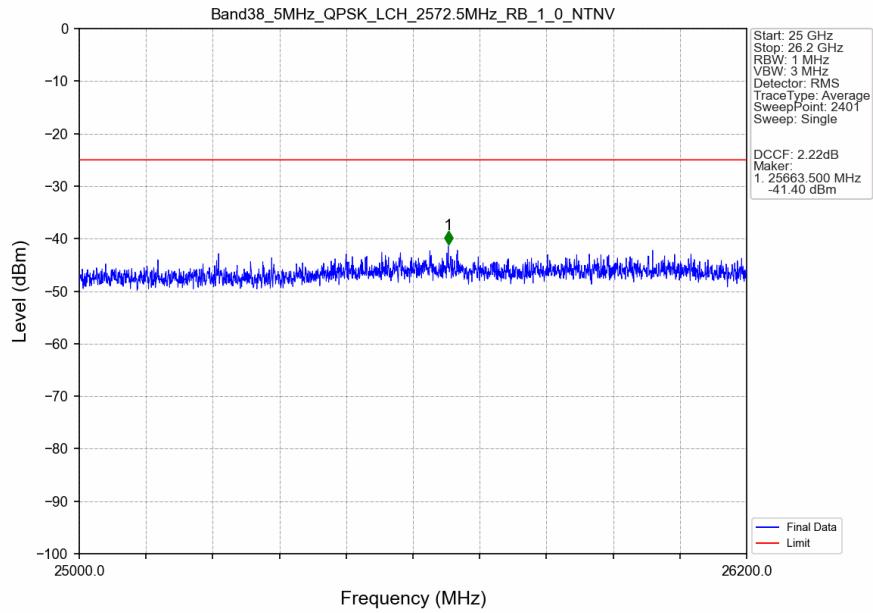
5.2.1 B38_5MHz



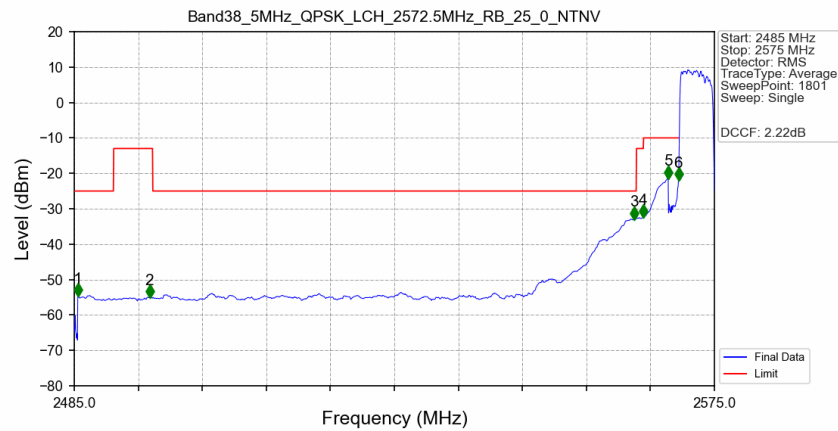
Band38 5MHz QPSK LCH 2572.5MHz RB 1 0 NTN



Band38 5MHz QPSK LCH 2572.5MHz RB 1 0 NTN

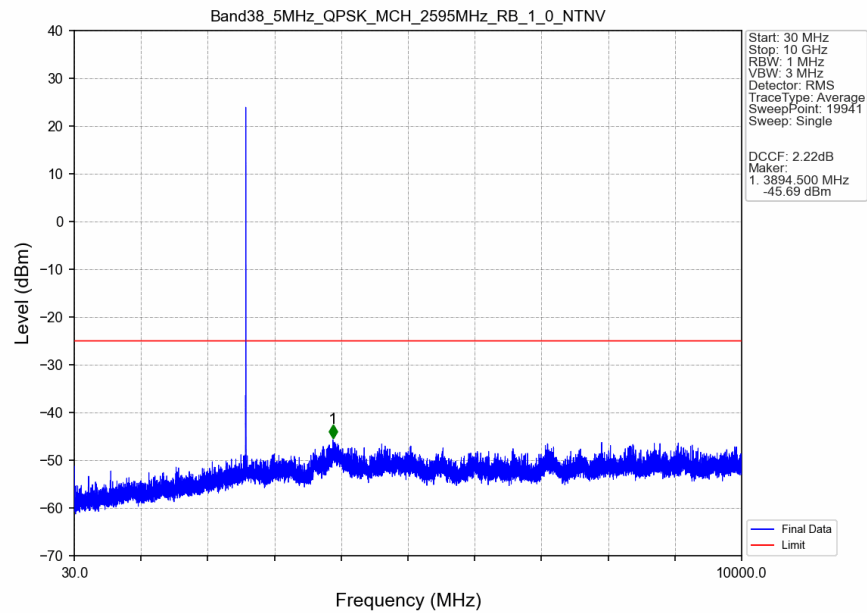


Band38 5MHz QPSK LCH 2572.5MHz RB 25 0 NTNV

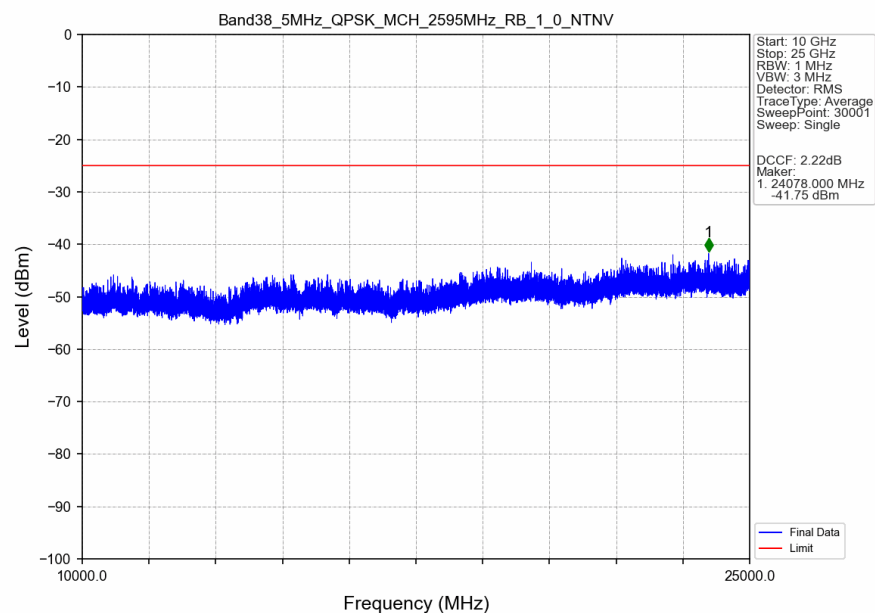


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2485.500	-54.47	-25	Pass
2490.5	2496	1	CHP	2	2495.600	-54.97	-13	Pass
2496	2564	1	CHP	3	2563.750	-32.81	-25	Pass
2564	2565	1	CHP	4	2565.000	-32.25	-13	Pass
2565	2569	1	CHP	5	2568.500	-21.25	-10	Pass
2569	2570	0.104	CHP	6	2569.950	-21.74	-10	Pass
2570	2575	0.104	CHP	/	/	/	/	/

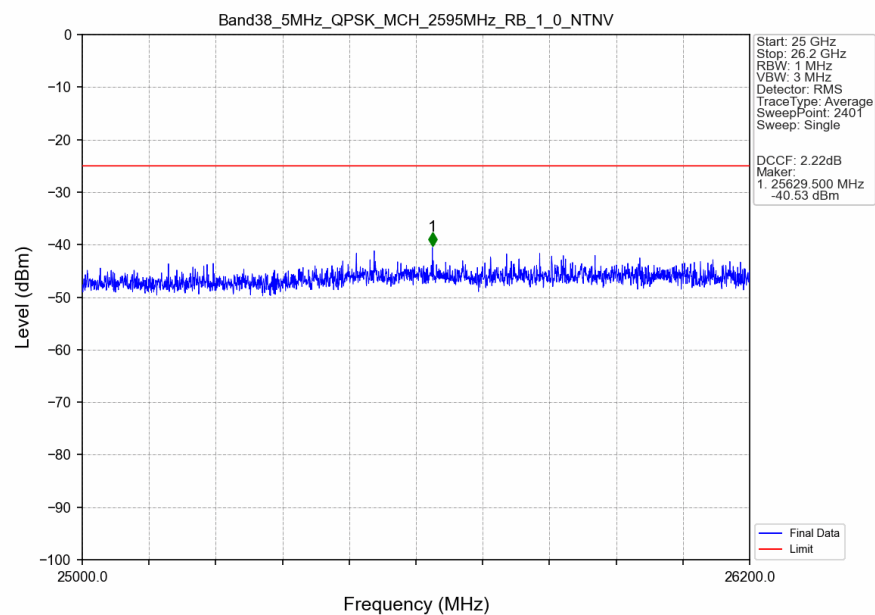
Band38 5MHz QPSK MCH 2595MHz RB 1 0 NTNV



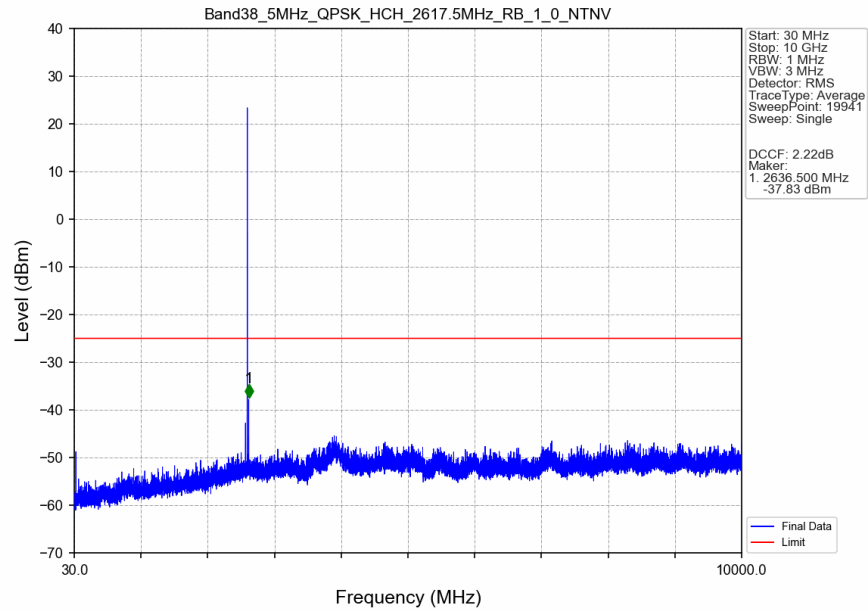
Band38 5MHz QPSK MCH 2595MHz RB 1 0 NTN



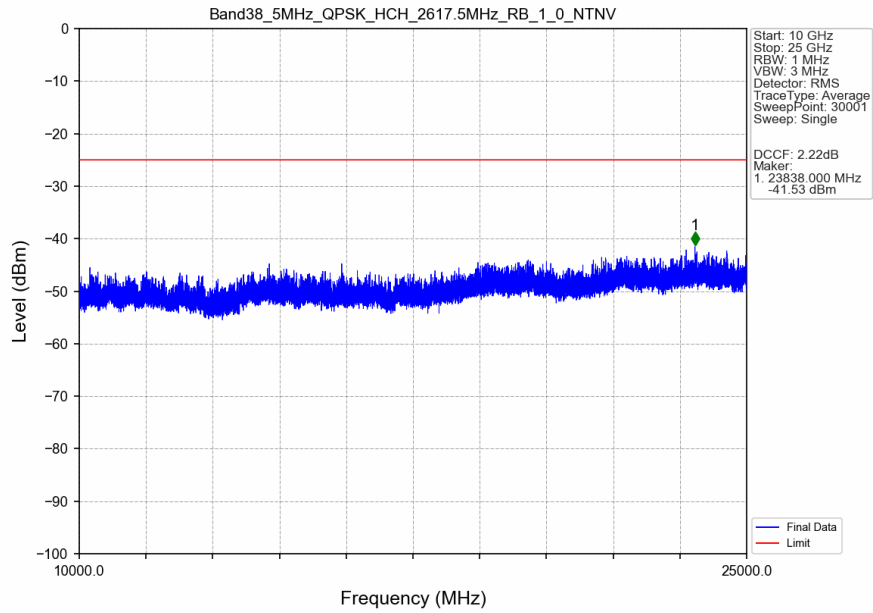
Band38 5MHz QPSK MCH 2595MHz RB 1 0 NTN



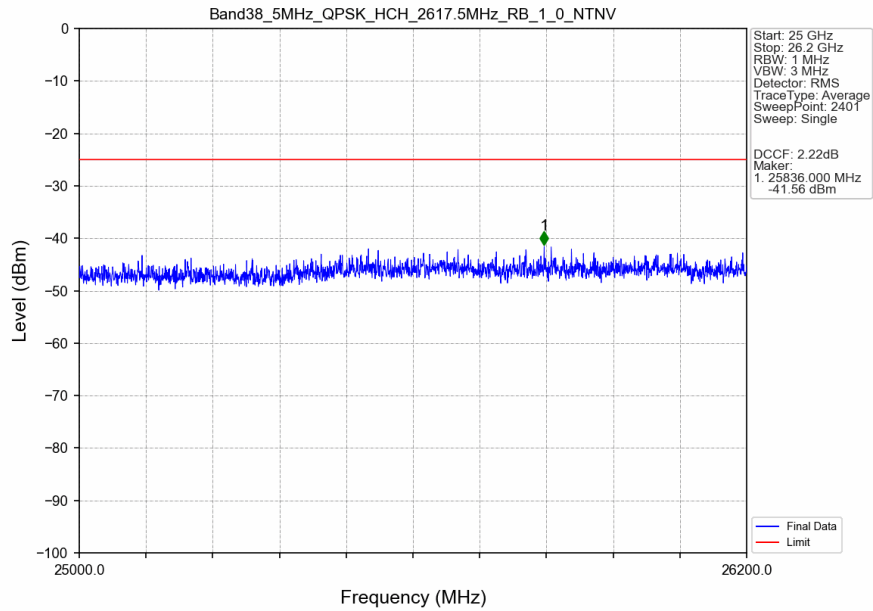
Band38 5MHz QPSK HCH 2617.5MHz RB 1 0 NTV



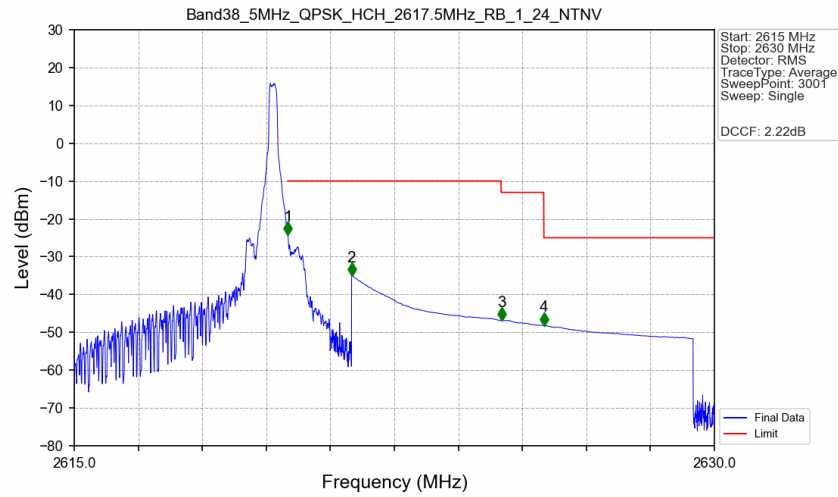
Band38 5MHz QPSK HCH 2617.5MHz RB 1 0 NTV



Band38 5MHz QPSK HCH 2617.5MHz RB 1 0 NTV

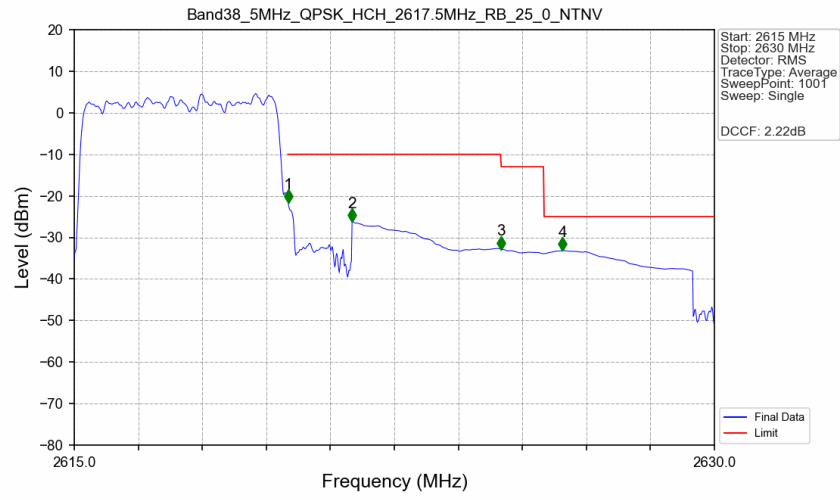


Band38 5MHz QPSK HCH 2617.5MHz RB 1 24 NTV



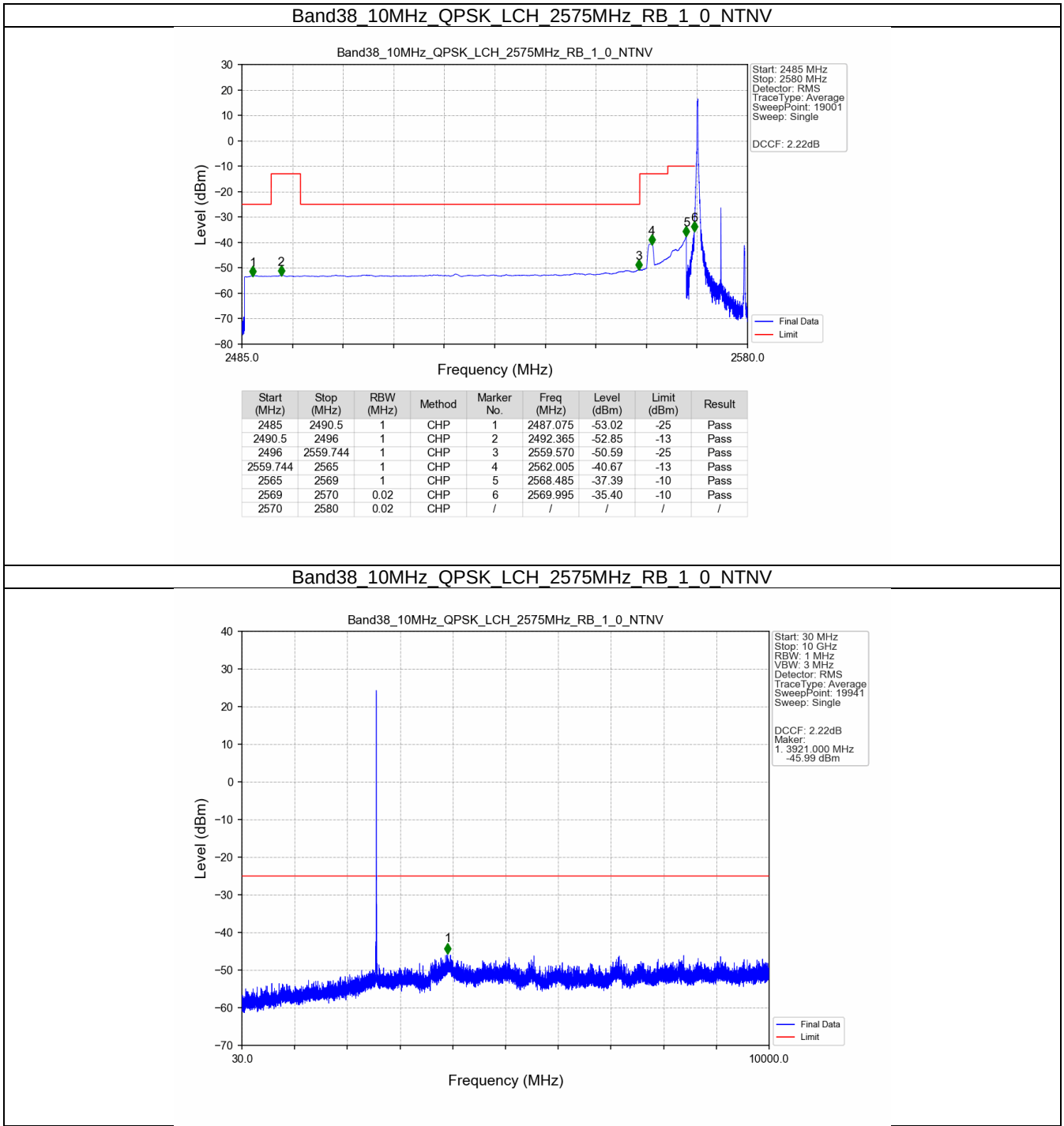
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2615	2620	0.02	CHP	/	/	/	/	/
2620	2621	0.02	CHP	1	2620.005	-24.23	-10	Pass
2621	2625	1	CHP	2	2621.500	-34.99	-10	Pass
2625	2626	1	CHP	3	2625.020	-46.83	-13	Pass
2626	2630	1	CHP	4	2626.005	-48.18	-25	Pass

Band38 5MHz QPSK HCH 2617.5MHz RB 25 0 NTNV

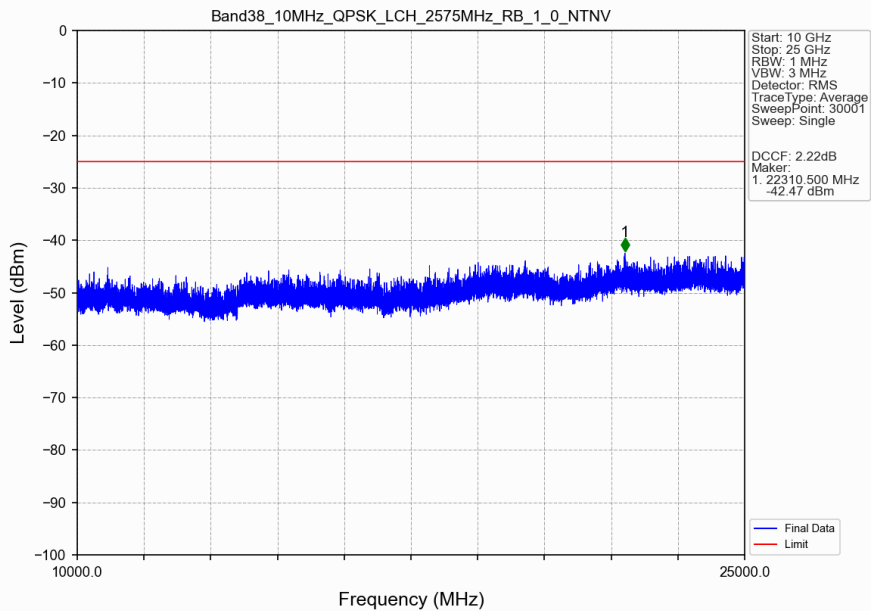


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2615	2620	0.104	CHP	/	/	/	/	/
2620	2621	0.104	CHP	1	2620.010	-21.74	-10	Pass
2621	2625	1	CHP	2	2621.510	-26.18	-10	Pass
2625	2626	1	CHP	3	2625.005	-32.86	-13	Pass
2626	2630	1	CHP	4	2626.445	-33.15	-25	Pass

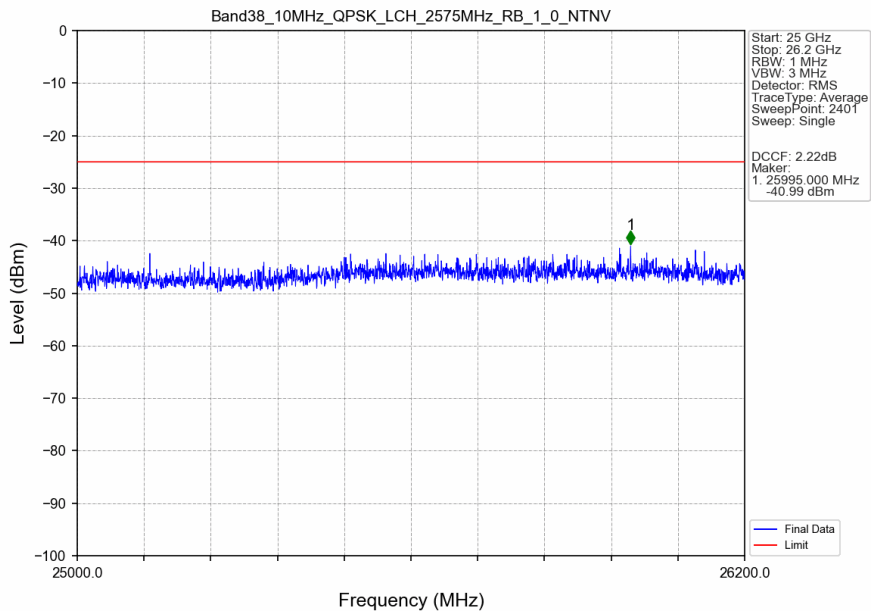
5.2.2 B38_10MHz



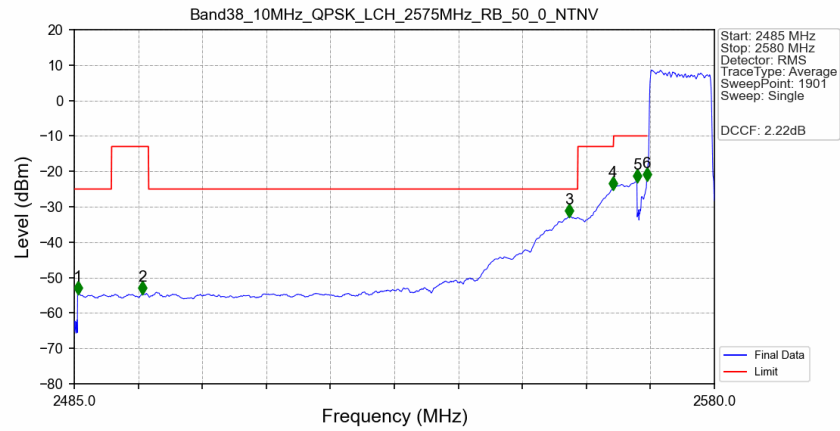
Band38 10MHz QPSK LCH 2575MHz RB 1 0 NTNV



Band38 10MHz QPSK LCH 2575MHz RB 1 0 NTNV

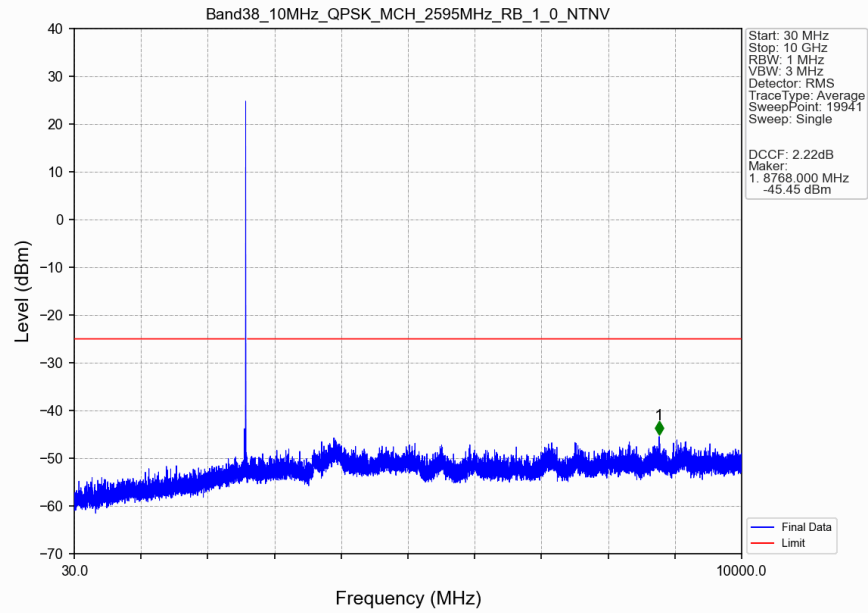


Band38 10MHz QPSK LCH 2575MHz RB 50 0 NTV

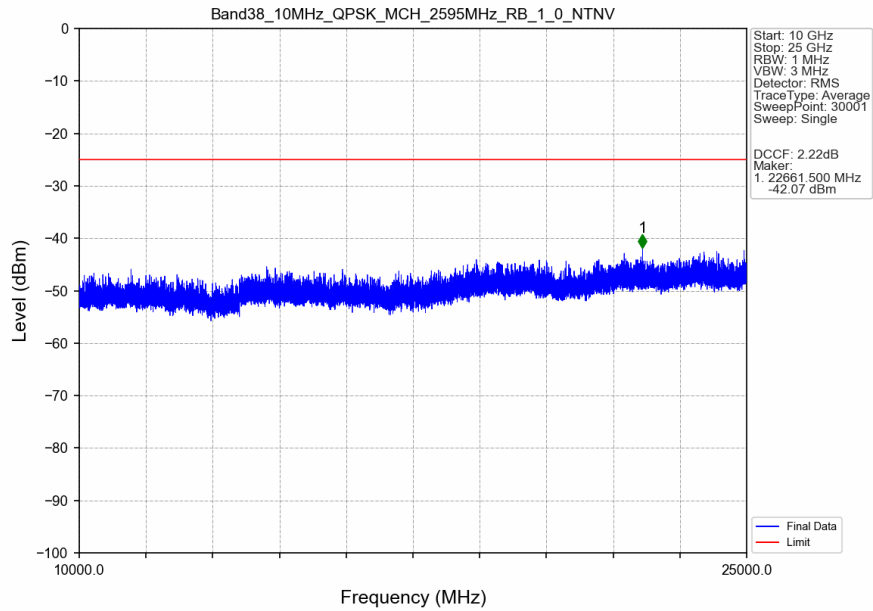


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2485.550	-54.45	-25	Pass
2490.5	2496	1	CHP	2	2495.100	-54.45	-13	Pass
2496	2559.744	1	CHP	3	2558.450	-32.61	-25	Pass
2559.744	2565	1	CHP	4	2564.950	-24.97	-13	Pass
2565	2569	1	CHP	5	2568.500	-22.78	-10	Pass
2569	2570	0.205	CHP	6	2569.950	-22.45	-10	Pass
2570	2580	0.205	CHP	/	/	/	/	/

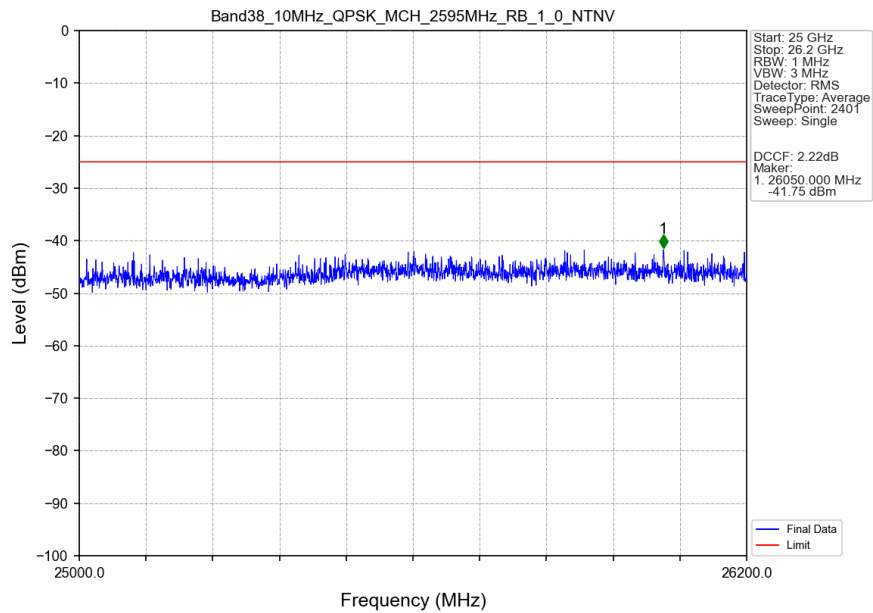
Band38 10MHz QPSK MCH 2595MHz RB 1 0 NTV



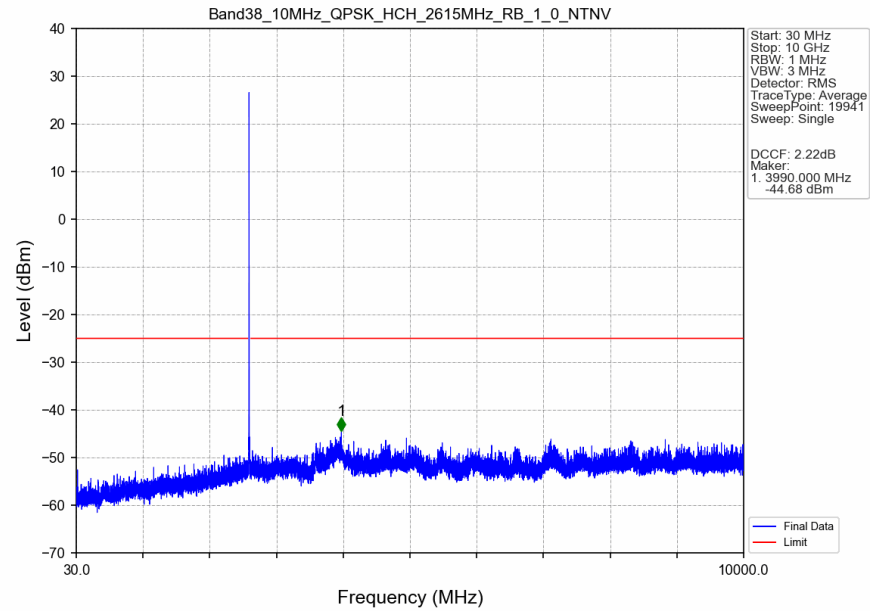
Band38_10MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



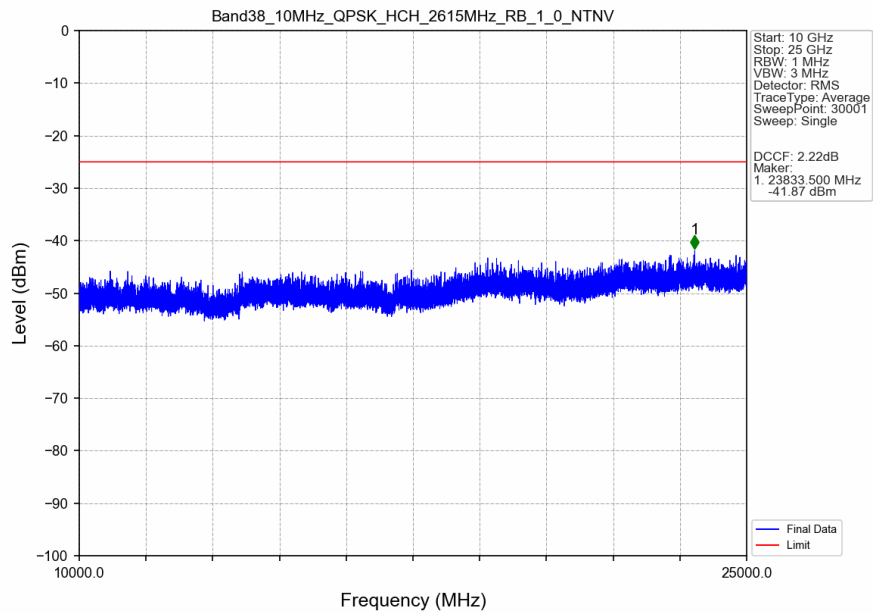
Band38_10MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



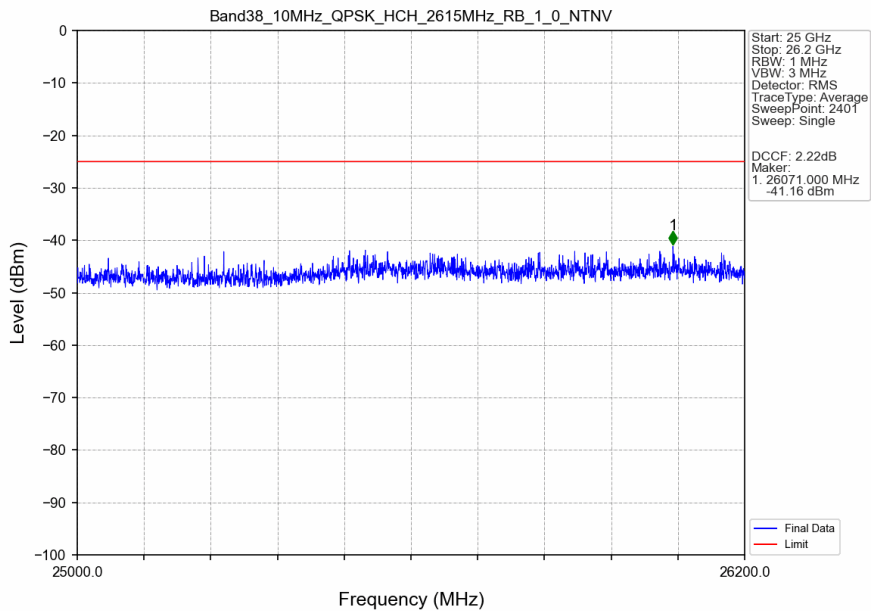
Band38 10MHz QPSK HCH 2615MHz RB 1 0 NTNV



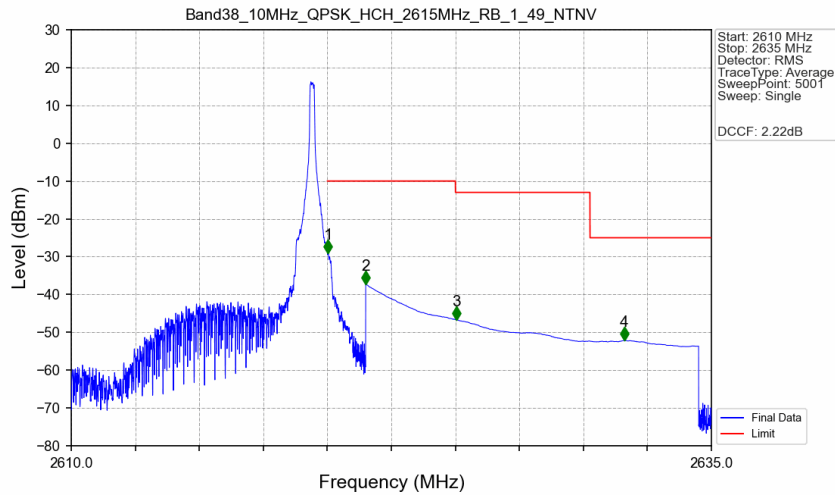
Band38 10MHz QPSK HCH 2615MHz RB 1 0 NTNV



Band38 10MHz QPSK HCH 2615MHz RB 1 0 NTV

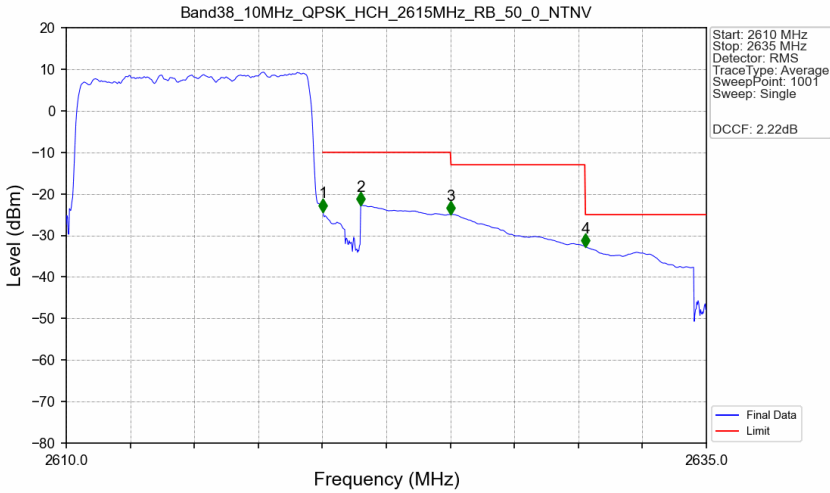


Band38 10MHz QPSK HCH 2615MHz RB 1 49 NTV



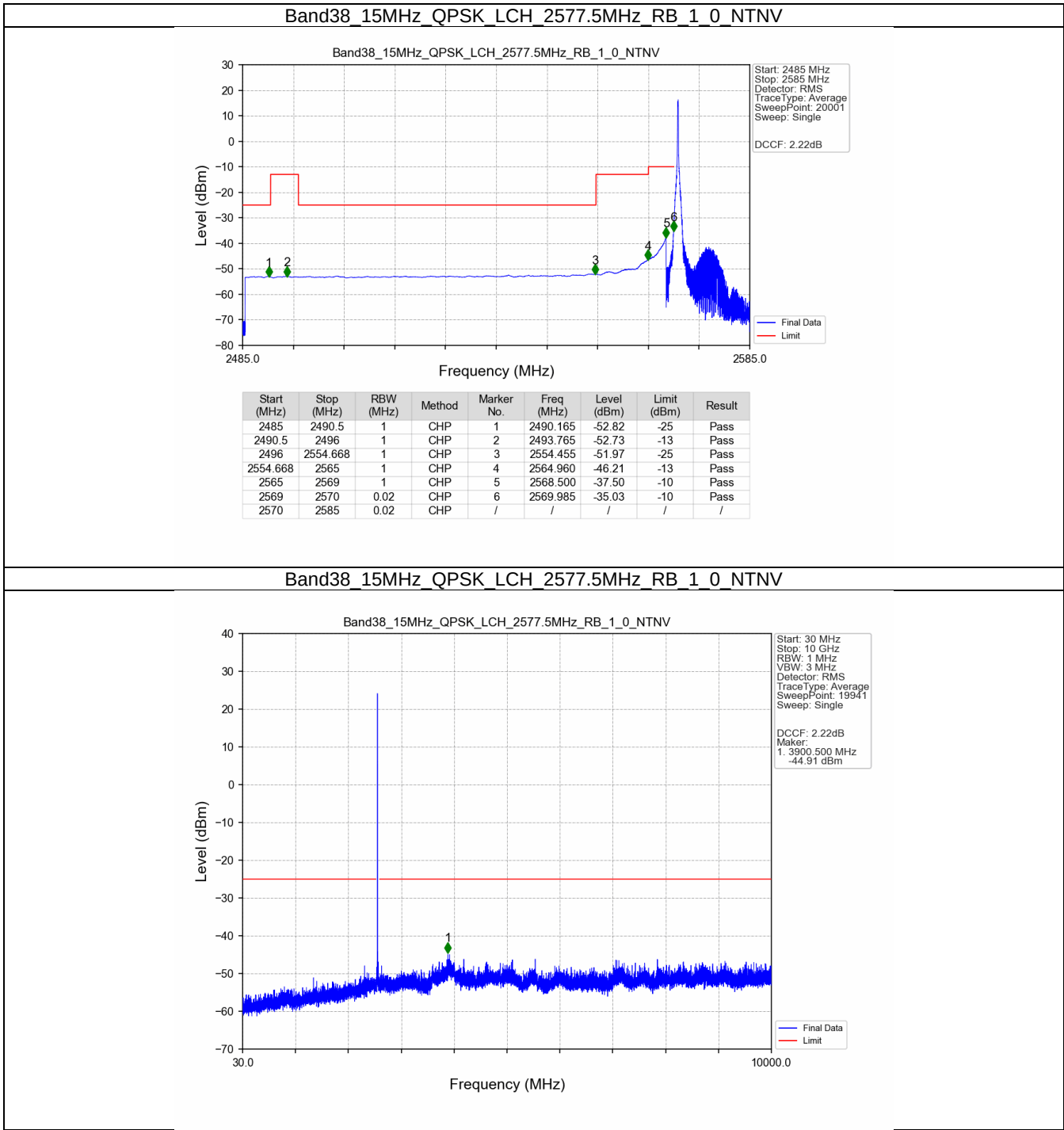
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2610	2620	0.02	CHP	/	/	/	/	/
2620	2621	0.02	CHP	1	2620.030	-29.05	-10	Pass
2621	2625	1	CHP	2	2621.500	-37.20	-10	Pass
2625	2630.256	1	CHP	3	2625.030	-46.68	-13	Pass
2630.256	2635	1	CHP	4	2631.590	-52.17	-25	Pass

Band38_10MHz_QPSK_HCH_2615MHz_RB_50_0_NTNV

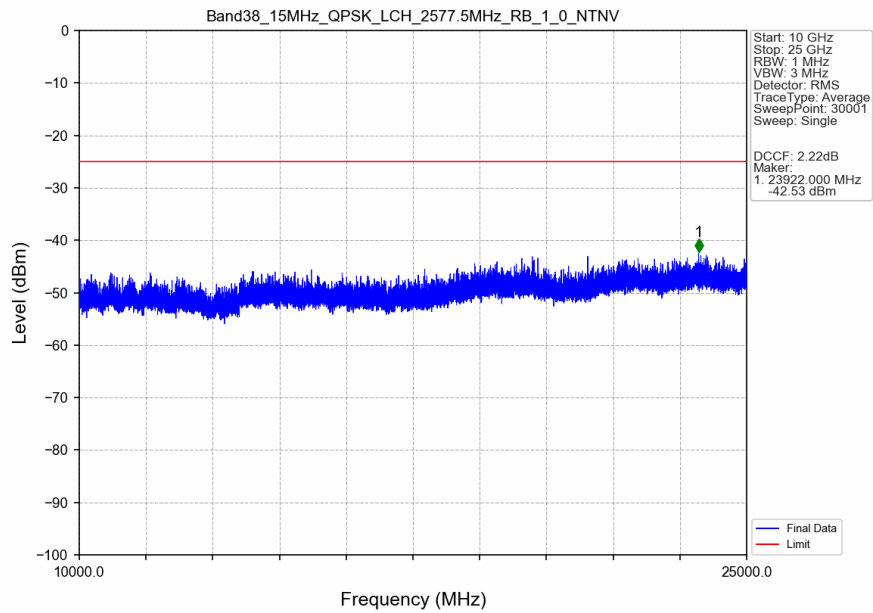


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2610	2620	0.205	CHP	/	/	/	/	/
2620	2621	0.205	CHP	1	2620.025	-24.30	-10	Pass
2621	2625	1	CHP	2	2621.500	-22.70	-10	Pass
2625	2630.256	1	CHP	3	2625.025	-24.92	-13	Pass
2630.256	2635	1	CHP	4	2630.275	-32.71	-25	Pass

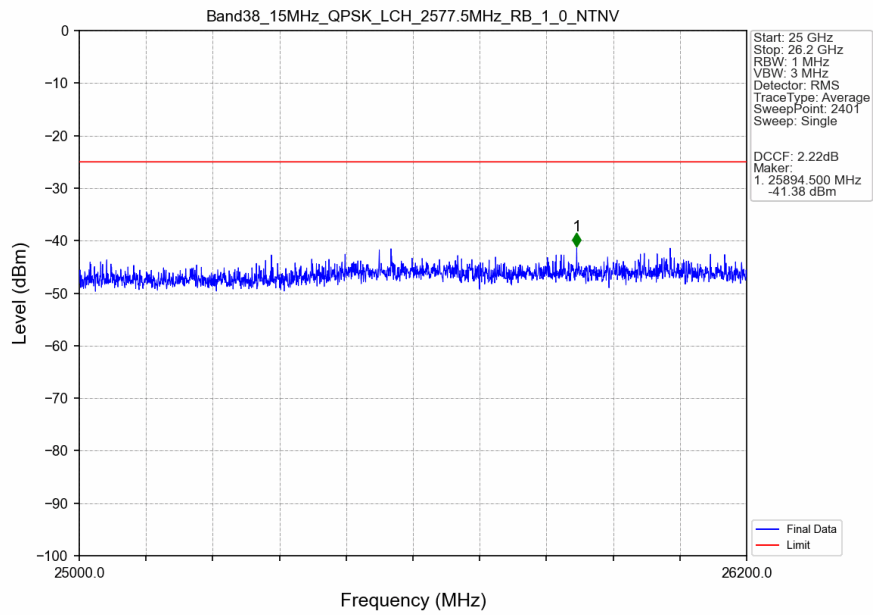
5.2.3 B38_15MHz



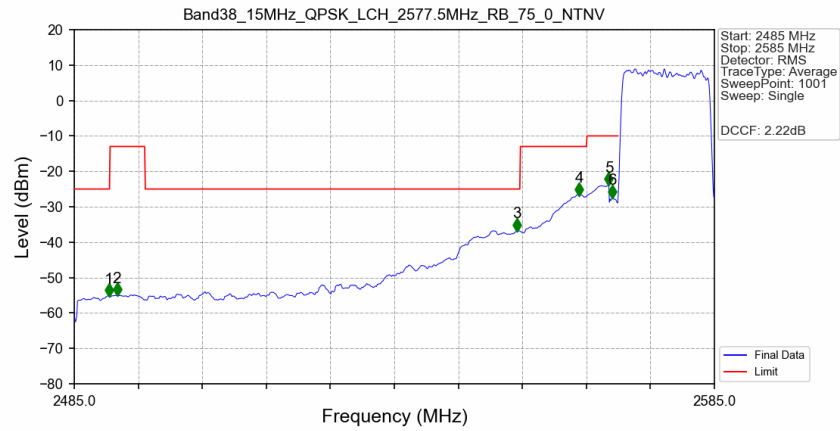
Band38_15MHz_QPSK_LCH_2577.5MHz_RB_1_0_NTNV



Band38_15MHz_QPSK_LCH_2577.5MHz_RB_1_0_NTNV

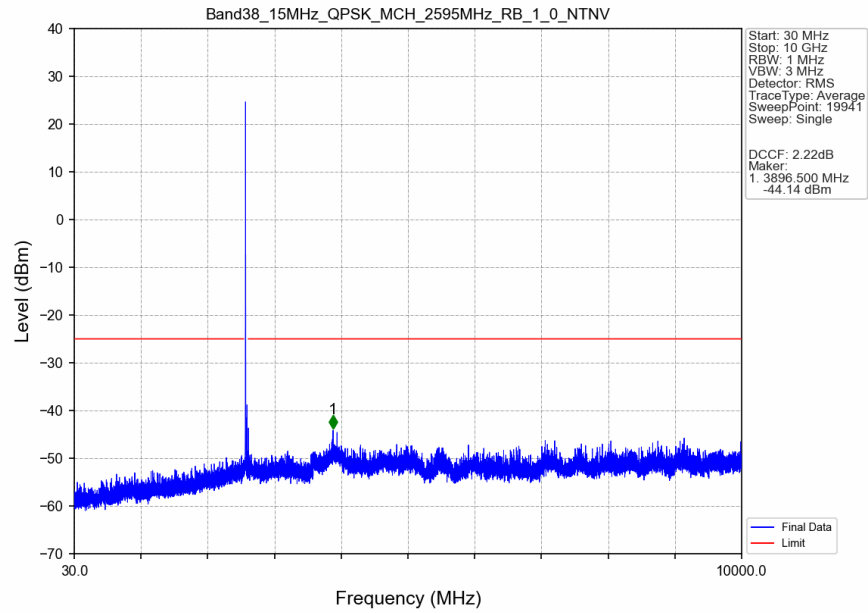


Band38 15MHz QPSK LCH 2577.5MHz RB 75 0 NTNV

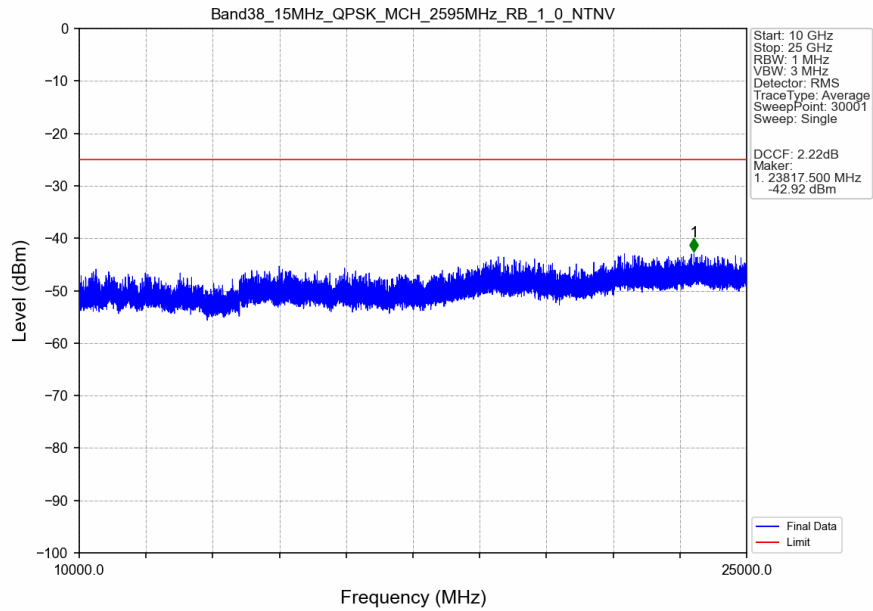


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2490.400	-55.13	-25	Pass
2490.5	2496	1	CHP	2	2491.700	-54.88	-13	Pass
2496	2554.668	1	CHP	3	2554.200	-36.62	-25	Pass
2554.668	2565	1	CHP	4	2563.900	-26.62	-13	Pass
2565	2569	1	CHP	5	2568.500	-23.72	-10	Pass
2569	2570	0.307	CHP	6	2569.100	-27.22	-10	Pass
2570	2585	0.307	CHP	/	/	/	/	/

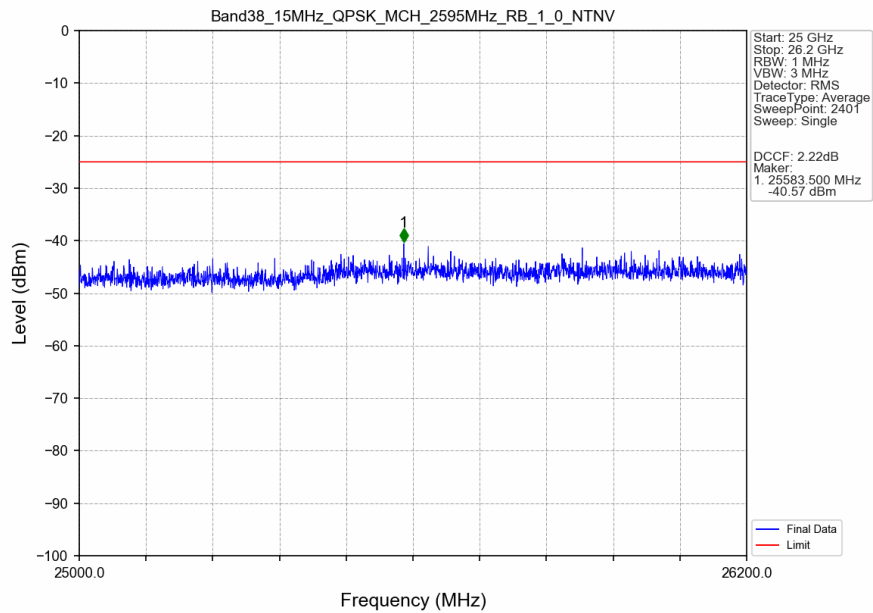
Band38 15MHz QPSK MCH 2595MHz RB 1 0 NTNV



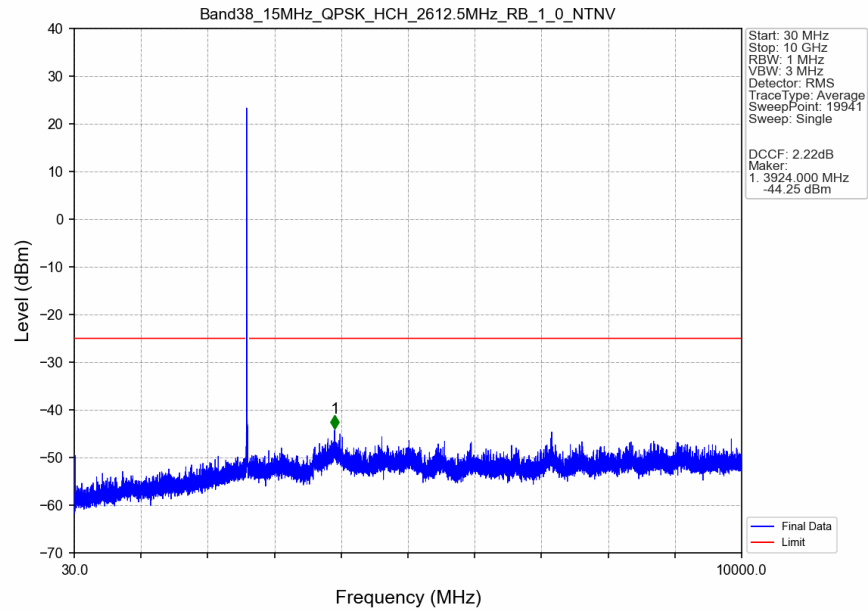
Band38_15MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



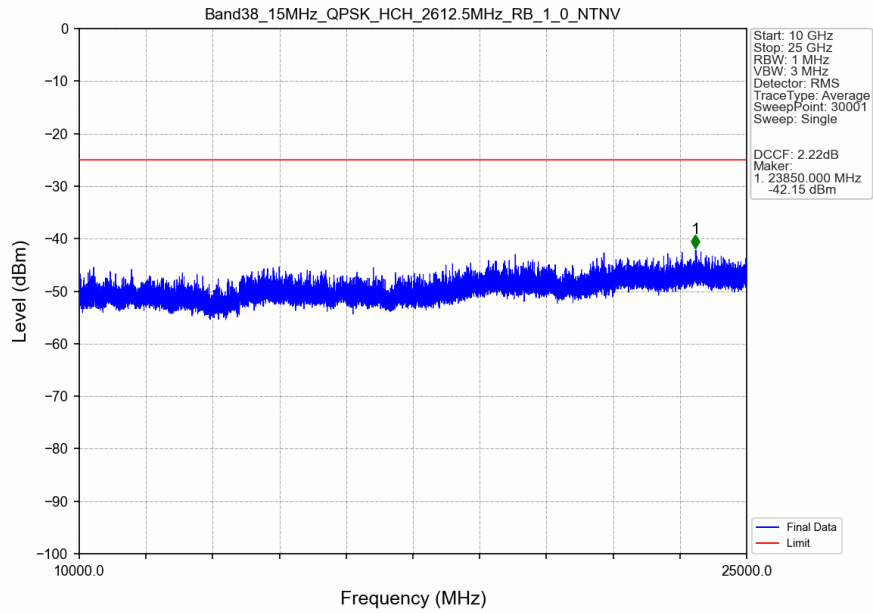
Band38_15MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



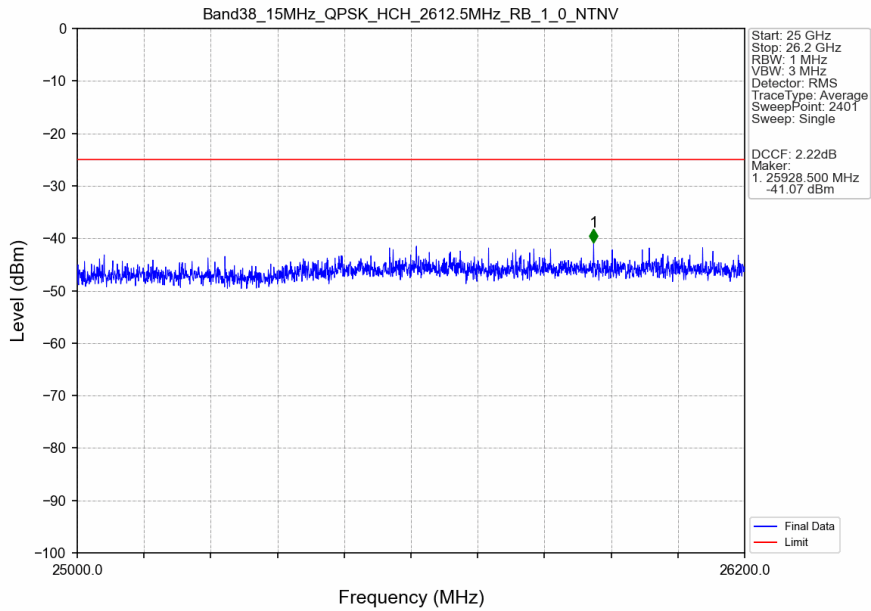
Band38_15MHz_QPSK_HCH_2612.5MHz_RB_1_0_NTNV



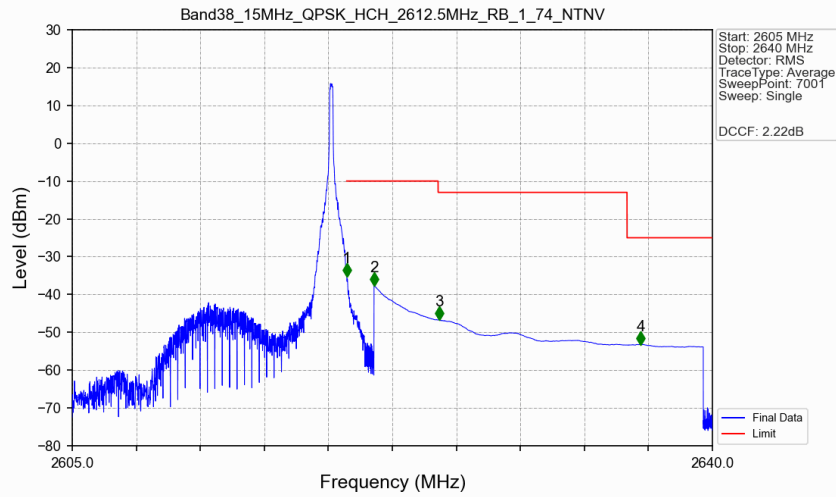
Band38_15MHz_QPSK_HCH_2612.5MHz_RB_1_0_NTNV



Band38 15MHz QPSK HCH 2612.5MHz RB 1 0 NTNV

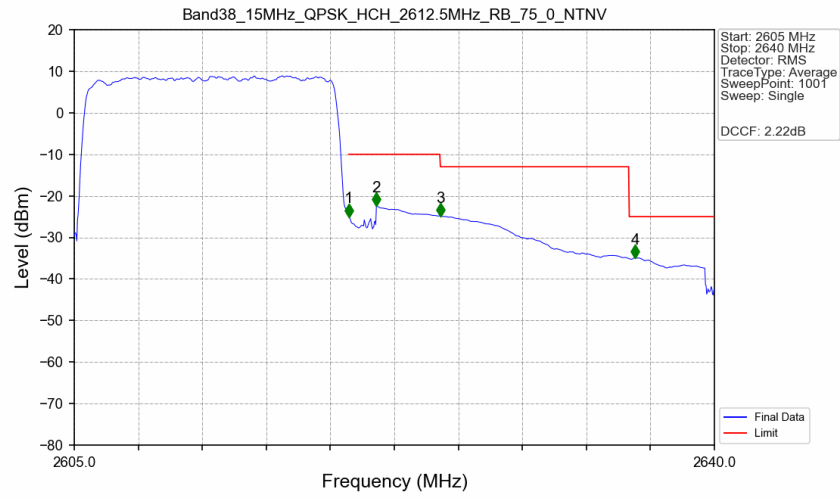


Band38 15MHz QPSK HCH 2612.5MHz RB 1 74 NTNV



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	2620.005	-35.25	-10	Pass
2621	2625	1	CHP	2	2621.500	-37.69	-10	Pass
2625	2635.332	1	CHP	3	2625.045	-46.70	-13	Pass
2635.332	2640	1	CHP	4	2636.075	-53.21	-25	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	0.307	CHP	/	/	/	/	/
2620	2621	0.307	CHP	1	2620.015	-25.03	-10	Pass
2621	2625	1	CHP	2	2621.520	-22.44	-10	Pass
2625	2635.332	1	CHP	3	2625.020	-24.86	-13	Pass
2635.332	2640	1	CHP	4	2635.660	-34.92	-25	Pass