

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	23.15	-0.60	22.55	<=33.01	Pass
			13	23.21	-0.60	22.61	<=33.01	Pass
			24	23.13	-0.60	22.53	<=33.01	Pass
		12	0	22.26	-0.60	21.66	<=33.01	Pass
			6	22.30	-0.60	21.70	<=33.01	Pass
			13	22.26	-0.60	21.66	<=33.01	Pass
		25	0	22.25	-0.60	21.65	<=33.01	Pass
	2595	1	0	23.39	-0.60	22.79	<=33.01	Pass
			13	23.44	-0.60	22.84	<=33.01	Pass
			24	23.35	-0.60	22.75	<=33.01	Pass
		12	0	22.29	-0.60	21.69	<=33.01	Pass
			6	22.43	-0.60	21.83	<=33.01	Pass
			13	22.34	-0.60	21.74	<=33.01	Pass
		25	0	22.38	-0.60	21.78	<=33.01	Pass
	2617.5	1	0	23.47	-0.60	22.87	<=33.01	Pass
			13	23.57	-0.60	22.97	<=33.01	Pass
			24	23.33	-0.60	22.73	<=33.01	Pass
		12	0	22.48	-0.60	21.88	<=33.01	Pass
			6	22.56	-0.60	21.96	<=33.01	Pass
			13	22.49	-0.60	21.89	<=33.01	Pass
		25	0	22.52	-0.60	21.92	<=33.01	Pass
16QAM	2572.5	1	0	22.12	-0.60	21.52	<=33.01	Pass
			13	22.16	-0.60	21.56	<=33.01	Pass
			24	22.10	-0.60	21.50	<=33.01	Pass
		12	0	21.29	-0.60	20.69	<=33.01	Pass
			6	21.31	-0.60	20.71	<=33.01	Pass
			13	21.17	-0.60	20.57	<=33.01	Pass
		25	0	21.18	-0.60	20.58	<=33.01	Pass
	2595	1	0	22.29	-0.60	21.69	<=33.01	Pass
			13	22.38	-0.60	21.78	<=33.01	Pass
			24	22.21	-0.60	21.61	<=33.01	Pass
		12	0	21.34	-0.60	20.74	<=33.01	Pass
			6	21.39	-0.60	20.79	<=33.01	Pass
			13	21.26	-0.60	20.66	<=33.01	Pass
		25	0	21.34	-0.60	20.74	<=33.01	Pass
	2617.5	1	0	22.43	-0.60	21.83	<=33.01	Pass
			13	22.46	-0.60	21.86	<=33.01	Pass
			24	22.37	-0.60	21.77	<=33.01	Pass
		12	0	21.54	-0.60	20.94	<=33.01	Pass
			6	21.54	-0.60	20.94	<=33.01	Pass
			13	21.54	-0.60	20.94	<=33.01	Pass
		25	0	21.46	-0.60	20.86	<=33.01	Pass
64QAM	2572.5	1	0	21.04	-0.60	20.44	<=33.01	Pass
			13	21.06	-0.60	20.46	<=33.01	Pass
			24	21.07	-0.60	20.47	<=33.01	Pass
		12	0	20.24	-0.60	19.64	<=33.01	Pass
			6	20.28	-0.60	19.68	<=33.01	Pass
			13	20.21	-0.60	19.61	<=33.01	Pass
		25	0	20.19	-0.60	19.59	<=33.01	Pass

	2595	1	0	21.34	-0.60	20.74	<=33.01	Pass		
			13	21.42	-0.60	20.82	<=33.01	Pass		
			24	21.34	-0.60	20.74	<=33.01	Pass		
		12	0	20.34	-0.60	19.74	<=33.01	Pass		
			6	20.38	-0.60	19.78	<=33.01	Pass		
			13	20.33	-0.60	19.73	<=33.01	Pass		
		25	0	20.30	-0.60	19.70	<=33.01	Pass		
		2617.5	1	0	21.38	-0.60	20.78	<=33.01	Pass	
				13	21.52	-0.60	20.92	<=33.01	Pass	
	24			21.37	-0.60	20.77	<=33.01	Pass		
	12		0	20.37	-0.60	19.77	<=33.01	Pass		
			6	20.46	-0.60	19.86	<=33.01	Pass		
			13	20.40	-0.60	19.80	<=33.01	Pass		
	25		0	20.44	-0.60	19.84	<=33.01	Pass		
	256QAM		2572.5	1	0	18.19	-0.60	17.59	<=33.01	Pass
					13	18.25	-0.60	17.65	<=33.01	Pass
		24			18.07	-0.60	17.47	<=33.01	Pass	
		12		0	18.18	-0.60	17.58	<=33.01	Pass	
6				18.20	-0.60	17.60	<=33.01	Pass		
13				18.16	-0.60	17.56	<=33.01	Pass		
25		0		18.22	-0.60	17.62	<=33.01	Pass		
2595		1		0	18.13	-0.60	17.53	<=33.01	Pass	
				13	18.39	-0.60	17.79	<=33.01	Pass	
			24	18.13	-0.60	17.53	<=33.01	Pass		
		12	0	18.25	-0.60	17.65	<=33.01	Pass		
			6	18.35	-0.60	17.75	<=33.01	Pass		
			13	18.22	-0.60	17.62	<=33.01	Pass		
		25	0	18.27	-0.60	17.67	<=33.01	Pass		
		2617.5	1	0	18.36	-0.60	17.76	<=33.01	Pass	
				13	18.41	-0.60	17.81	<=33.01	Pass	
24				18.39	-0.60	17.79	<=33.01	Pass		
12			0	18.47	-0.60	17.87	<=33.01	Pass		
			6	18.47	-0.60	17.87	<=33.01	Pass		
			13	18.45	-0.60	17.85	<=33.01	Pass		
25			0	18.35	-0.60	17.75	<=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	23.17	-0.60	22.57	<=33.01	Pass
			25	23.25	-0.60	22.65	<=33.01	Pass
			49	23.20	-0.60	22.60	<=33.01	Pass
		25	0	22.26	-0.60	21.66	<=33.01	Pass
			13	22.21	-0.60	21.61	<=33.01	Pass
			25	22.19	-0.60	21.59	<=33.01	Pass
		50	0	22.30	-0.60	21.70	<=33.01	Pass
	2595	1	0	23.33	-0.60	22.73	<=33.01	Pass
			25	23.43	-0.60	22.83	<=33.01	Pass
			49	23.28	-0.60	22.68	<=33.01	Pass
		25	0	22.30	-0.60	21.70	<=33.01	Pass
			13	22.41	-0.60	21.81	<=33.01	Pass
			25	22.37	-0.60	21.77	<=33.01	Pass
		50	0	22.25	-0.60	21.65	<=33.01	Pass
	2615	1	0	23.42	-0.60	22.82	<=33.01	Pass

		25	25	23.43	-0.60	22.83	<=33.01	Pass
			49	23.41	-0.60	22.81	<=33.01	Pass
			0	22.51	-0.60	21.91	<=33.01	Pass
			13	22.55	-0.60	21.95	<=33.01	Pass
			25	22.43	-0.60	21.83	<=33.01	Pass
			50	22.51	-0.60	21.91	<=33.01	Pass
16QAM	2575	1	0	22.17	-0.60	21.57	<=33.01	Pass
			25	22.30	-0.60	21.70	<=33.01	Pass
			49	22.16	-0.60	21.56	<=33.01	Pass
		25	0	21.26	-0.60	20.66	<=33.01	Pass
			13	21.21	-0.60	20.61	<=33.01	Pass
			25	21.29	-0.60	20.69	<=33.01	Pass
		50	0	21.22	-0.60	20.62	<=33.01	Pass
	2595	1	0	22.33	-0.60	21.73	<=33.01	Pass
			25	22.39	-0.60	21.79	<=33.01	Pass
			49	22.18	-0.60	21.58	<=33.01	Pass
		25	0	21.30	-0.60	20.70	<=33.01	Pass
			13	21.37	-0.60	20.77	<=33.01	Pass
			25	21.37	-0.60	20.77	<=33.01	Pass
		50	0	21.30	-0.60	20.70	<=33.01	Pass
	2615	1	0	22.45	-0.60	21.85	<=33.01	Pass
			25	22.49	-0.60	21.89	<=33.01	Pass
			49	22.37	-0.60	21.77	<=33.01	Pass
		25	0	21.52	-0.60	20.92	<=33.01	Pass
			13	21.53	-0.60	20.93	<=33.01	Pass
			25	21.42	-0.60	20.82	<=33.01	Pass
		50	0	21.43	-0.60	20.83	<=33.01	Pass
64QAM	2575	1	0	21.17	-0.60	20.57	<=33.01	Pass
			25	21.24	-0.60	20.64	<=33.01	Pass
			49	21.16	-0.60	20.56	<=33.01	Pass
		25	0	20.26	-0.60	19.66	<=33.01	Pass
			13	20.24	-0.60	19.64	<=33.01	Pass
			25	20.29	-0.60	19.69	<=33.01	Pass
		50	0	20.22	-0.60	19.62	<=33.01	Pass
	2595	1	0	21.37	-0.60	20.77	<=33.01	Pass
			25	21.48	-0.60	20.88	<=33.01	Pass
			49	21.25	-0.60	20.65	<=33.01	Pass
		25	0	20.41	-0.60	19.81	<=33.01	Pass
			13	20.30	-0.60	19.70	<=33.01	Pass
			25	20.29	-0.60	19.69	<=33.01	Pass
		50	0	20.38	-0.60	19.78	<=33.01	Pass
	2615	1	0	21.20	-0.60	20.60	<=33.01	Pass
			25	21.36	-0.60	20.76	<=33.01	Pass
			49	21.42	-0.60	20.82	<=33.01	Pass
		25	0	20.43	-0.60	19.83	<=33.01	Pass
			13	20.53	-0.60	19.93	<=33.01	Pass
			25	20.44	-0.60	19.84	<=33.01	Pass
		50	0	20.47	-0.60	19.87	<=33.01	Pass
256QAM	2575	1	0	18.13	-0.60	17.53	<=33.01	Pass
			25	18.16	-0.60	17.56	<=33.01	Pass
			49	18.22	-0.60	17.62	<=33.01	Pass
		25	0	18.22	-0.60	17.62	<=33.01	Pass
			13	18.22	-0.60	17.62	<=33.01	Pass
			25	18.15	-0.60	17.55	<=33.01	Pass
		50	0	18.16	-0.60	17.56	<=33.01	Pass
	2595	1	0	18.23	-0.60	17.63	<=33.01	Pass
			25	18.35	-0.60	17.75	<=33.01	Pass
			49	18.28	-0.60	17.68	<=33.01	Pass
		25	0	18.30	-0.60	17.70	<=33.01	Pass

			13	18.33	-0.60	17.73	<=33.01	Pass
			25	18.29	-0.60	17.69	<=33.01	Pass
		50	0	18.32	-0.60	17.72	<=33.01	Pass
	2615	1	0	18.26	-0.60	17.66	<=33.01	Pass
			25	18.49	-0.60	17.89	<=33.01	Pass
			49	18.37	-0.60	17.77	<=33.01	Pass
		25	0	18.37	-0.60	17.77	<=33.01	Pass
			13	18.45	-0.60	17.85	<=33.01	Pass
			25	18.47	-0.60	17.87	<=33.01	Pass
		50	0	18.38	-0.60	17.78	<=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	23.39	-0.60	22.79	<=33.01	Pass
			38	23.07	-0.60	22.47	<=33.01	Pass
			74	23.04	-0.60	22.44	<=33.01	Pass
		36	0	22.15	-0.60	21.55	<=33.01	Pass
			18	22.12	-0.60	21.52	<=33.01	Pass
			39	22.18	-0.60	21.58	<=33.01	Pass
		75	0	22.10	-0.60	21.50	<=33.01	Pass
	2595	1	0	23.10	-0.60	22.50	<=33.01	Pass
			38	23.15	-0.60	22.55	<=33.01	Pass
			74	22.97	-0.60	22.37	<=33.01	Pass
		36	0	22.23	-0.60	21.63	<=33.01	Pass
			18	22.25	-0.60	21.65	<=33.01	Pass
			39	22.21	-0.60	21.61	<=33.01	Pass
		75	0	22.24	-0.60	21.64	<=33.01	Pass
	2612.5	1	0	23.16	-0.60	22.56	<=33.01	Pass
			38	23.15	-0.60	22.55	<=33.01	Pass
			74	23.04	-0.60	22.44	<=33.01	Pass
		36	0	22.22	-0.60	21.62	<=33.01	Pass
			18	22.27	-0.60	21.67	<=33.01	Pass
			39	22.31	-0.60	21.71	<=33.01	Pass
		75	0	22.27	-0.60	21.67	<=33.01	Pass
16QAM	2577.5	1	0	22.01	-0.60	21.41	<=33.01	Pass
			38	21.98	-0.60	21.38	<=33.01	Pass
			74	22.01	-0.60	21.41	<=33.01	Pass
		36	0	21.14	-0.60	20.54	<=33.01	Pass
			18	21.13	-0.60	20.53	<=33.01	Pass
			39	21.17	-0.60	20.57	<=33.01	Pass
		75	0	21.16	-0.60	20.56	<=33.01	Pass
	2595	1	0	22.12	-0.60	21.52	<=33.01	Pass
			38	22.15	-0.60	21.55	<=33.01	Pass
			74	22.05	-0.60	21.45	<=33.01	Pass
		36	0	21.24	-0.60	20.64	<=33.01	Pass
			18	21.22	-0.60	20.62	<=33.01	Pass
			39	21.17	-0.60	20.57	<=33.01	Pass
		75	0	21.13	-0.60	20.53	<=33.01	Pass
	2612.5	1	0	21.98	-0.60	21.38	<=33.01	Pass
			38	22.11	-0.60	21.51	<=33.01	Pass
			74	22.00	-0.60	21.40	<=33.01	Pass
		36	0	21.32	-0.60	20.72	<=33.01	Pass
			18	21.30	-0.60	20.70	<=33.01	Pass

			39	21.34	-0.60	20.74	<=33.01	Pass	
		75	0	21.23	-0.60	20.63	<=33.01	Pass	
64QAM	2577.5	1	0	20.99	-0.60	20.39	<=33.01	Pass	
			38	21.00	-0.60	20.40	<=33.01	Pass	
			74	21.08	-0.60	20.48	<=33.01	Pass	
			0	20.10	-0.60	19.50	<=33.01	Pass	
		36	18	20.16	-0.60	19.56	<=33.01	Pass	
			39	20.15	-0.60	19.55	<=33.01	Pass	
			75	0	20.08	-0.60	19.48	<=33.01	Pass
		2595	1	0	21.05	-0.60	20.45	<=33.01	Pass
				38	21.04	-0.60	20.44	<=33.01	Pass
				74	20.99	-0.60	20.39	<=33.01	Pass
	36		0	20.24	-0.60	19.64	<=33.01	Pass	
			18	20.18	-0.60	19.58	<=33.01	Pass	
			39	20.17	-0.60	19.57	<=33.01	Pass	
	75		0	20.24	-0.60	19.64	<=33.01	Pass	
	2612.5	1	0	21.19	-0.60	20.59	<=33.01	Pass	
			38	21.16	-0.60	20.56	<=33.01	Pass	
			74	21.10	-0.60	20.50	<=33.01	Pass	
		36	0	20.22	-0.60	19.62	<=33.01	Pass	
			18	20.37	-0.60	19.77	<=33.01	Pass	
			39	20.33	-0.60	19.73	<=33.01	Pass	
		75	0	20.33	-0.60	19.73	<=33.01	Pass	
		256QAM	2577.5	1	0	17.86	-0.60	17.26	<=33.01
	38				18.00	-0.60	17.40	<=33.01	Pass
74	17.94				-0.60	17.34	<=33.01	Pass	
36	0			18.11	-0.60	17.51	<=33.01	Pass	
	18			18.01	-0.60	17.41	<=33.01	Pass	
	39			18.07	-0.60	17.47	<=33.01	Pass	
75	0			17.99	-0.60	17.39	<=33.01	Pass	
2595	1		0	18.05	-0.60	17.45	<=33.01	Pass	
			38	17.99	-0.60	17.39	<=33.01	Pass	
			74	18.03	-0.60	17.43	<=33.01	Pass	
	36		0	18.16	-0.60	17.56	<=33.01	Pass	
			18	18.12	-0.60	17.52	<=33.01	Pass	
			39	18.10	-0.60	17.50	<=33.01	Pass	
75	0		18.03	-0.60	17.43	<=33.01	Pass		
2612.5	1		0	18.03	-0.60	17.43	<=33.01	Pass	
			38	18.25	-0.60	17.65	<=33.01	Pass	
			74	18.22	-0.60	17.62	<=33.01	Pass	
	36		0	18.13	-0.60	17.53	<=33.01	Pass	
			18	18.25	-0.60	17.65	<=33.01	Pass	
			39	18.27	-0.60	17.67	<=33.01	Pass	
	75		0	18.26	-0.60	17.66	<=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	23.00	-0.60	22.40	<=33.01	Pass
			50	23.06	-0.60	22.46	<=33.01	Pass
			99	23.18	-0.60	22.58	<=33.01	Pass
		50	0	22.11	-0.60	21.51	<=33.01	Pass
			25	22.16	-0.60	21.56	<=33.01	Pass
			50	22.08	-0.60	21.48	<=33.01	Pass

		100	0	22.17	-0.60	21.57	<=33.01	Pass
		2595	1	0	23.12	-0.60	22.52	<=33.01
				50	23.30	-0.60	22.70	<=33.01
				99	23.03	-0.60	22.43	<=33.01
			50	0	22.15	-0.60	21.55	<=33.01
				25	22.16	-0.60	21.56	<=33.01
				50	22.11	-0.60	21.51	<=33.01
		100	0	22.22	-0.60	21.62	<=33.01	Pass
		2610	1	0	23.02	-0.60	22.42	<=33.01
				50	23.25	-0.60	22.65	<=33.01
				99	23.15	-0.60	22.55	<=33.01
			50	0	22.16	-0.60	21.56	<=33.01
				25	22.24	-0.60	21.64	<=33.01
				50	22.29	-0.60	21.69	<=33.01
		100	0	22.17	-0.60	21.57	<=33.01	Pass
16QAM	2580	1	0	21.96	-0.60	21.36	<=33.01	Pass
			50	22.10	-0.60	21.50	<=33.01	Pass
			99	22.01	-0.60	21.41	<=33.01	Pass
			0	21.14	-0.60	20.54	<=33.01	Pass
		50	25	21.12	-0.60	20.52	<=33.01	Pass
			50	21.22	-0.60	20.62	<=33.01	Pass
		100	0	21.11	-0.60	20.51	<=33.01	Pass
	2595	1	0	22.00	-0.60	21.40	<=33.01	Pass
			50	22.13	-0.60	21.53	<=33.01	Pass
			99	21.95	-0.60	21.35	<=33.01	Pass
		50	0	21.24	-0.60	20.64	<=33.01	Pass
			25	21.14	-0.60	20.54	<=33.01	Pass
			50	21.09	-0.60	20.49	<=33.01	Pass
		100	0	21.10	-0.60	20.50	<=33.01	Pass
	2610	1	0	22.24	-0.60	21.64	<=33.01	Pass
			50	22.26	-0.60	21.66	<=33.01	Pass
			99	22.22	-0.60	21.62	<=33.01	Pass
		50	0	21.15	-0.60	20.55	<=33.01	Pass
			25	21.32	-0.60	20.72	<=33.01	Pass
			50	21.30	-0.60	20.70	<=33.01	Pass
		100	0	21.26	-0.60	20.66	<=33.01	Pass
64QAM	2580	1	0	21.07	-0.60	20.47	<=33.01	Pass
			50	21.12	-0.60	20.52	<=33.01	Pass
			99	21.14	-0.60	20.54	<=33.01	Pass
			0	20.06	-0.60	19.46	<=33.01	Pass
		50	25	20.11	-0.60	19.51	<=33.01	Pass
			50	20.25	-0.60	19.65	<=33.01	Pass
		100	0	20.15	-0.60	19.55	<=33.01	Pass
	2595	1	0	21.14	-0.60	20.54	<=33.01	Pass
			50	21.03	-0.60	20.43	<=33.01	Pass
			99	21.08	-0.60	20.48	<=33.01	Pass
		50	0	20.26	-0.60	19.66	<=33.01	Pass
			25	20.15	-0.60	19.55	<=33.01	Pass
			50	20.13	-0.60	19.53	<=33.01	Pass
		100	0	20.13	-0.60	19.53	<=33.01	Pass
	2610	1	0	21.06	-0.60	20.46	<=33.01	Pass
			50	21.20	-0.60	20.60	<=33.01	Pass
			99	21.21	-0.60	20.61	<=33.01	Pass
		50	0	20.18	-0.60	19.58	<=33.01	Pass
			25	20.26	-0.60	19.66	<=33.01	Pass
			50	20.24	-0.60	19.64	<=33.01	Pass
		100	0	20.22	-0.60	19.62	<=33.01	Pass
256QAM	2580	1	0	18.01	-0.60	17.41	<=33.01	Pass
			50	17.93	-0.60	17.33	<=33.01	Pass

			99	18.17	-0.60	17.57	<=33.01	Pass
		50	0	18.05	-0.60	17.45	<=33.01	Pass
			25	18.04	-0.60	17.44	<=33.01	Pass
			50	18.08	-0.60	17.48	<=33.01	Pass
		100	0	18.11	-0.60	17.51	<=33.01	Pass
	2595	1	0	17.98	-0.60	17.38	<=33.01	Pass
			50	18.06	-0.60	17.46	<=33.01	Pass
			99	18.02	-0.60	17.42	<=33.01	Pass
		50	0	18.16	-0.60	17.56	<=33.01	Pass
			25	18.09	-0.60	17.49	<=33.01	Pass
			50	18.12	-0.60	17.52	<=33.01	Pass
		100	0	18.16	-0.60	17.56	<=33.01	Pass
	2610	1	0	18.14	-0.60	17.54	<=33.01	Pass
			50	18.14	-0.60	17.54	<=33.01	Pass
			99	18.10	-0.60	17.50	<=33.01	Pass
		50	0	18.10	-0.60	17.50	<=33.01	Pass
			25	18.24	-0.60	17.64	<=33.01	Pass
			50	18.13	-0.60	17.53	<=33.01	Pass
		100	0	18.25	-0.60	17.65	<=33.01	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

2. Frequency Stability

2.1 Test Result

2.1.1 B38_10MHz

Band: 38 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2595	50	0	20	LV	0.958	0.0004	-2.5 to 2.5	Pass
					NV	0.736	0.0003	-2.5 to 2.5	Pass
					HV	1.003	0.0004	-2.5 to 2.5	Pass
				-30	NV	1.151	0.0004	-2.5 to 2.5	Pass
				-20	NV	-0.429	-0.0002	-2.5 to 2.5	Pass
				-10	NV	0.987	0.0004	-2.5 to 2.5	Pass
				0	NV	0.778	0.0003	-2.5 to 2.5	Pass
				10	NV	0.444	0.0002	-2.5 to 2.5	Pass
				30	NV	0.474	0.0002	-2.5 to 2.5	Pass
				40	NV	0.594	0.0002	-2.5 to 2.5	Pass
				50	NV	0.824	0.0003	-2.5 to 2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 Band38_OBW

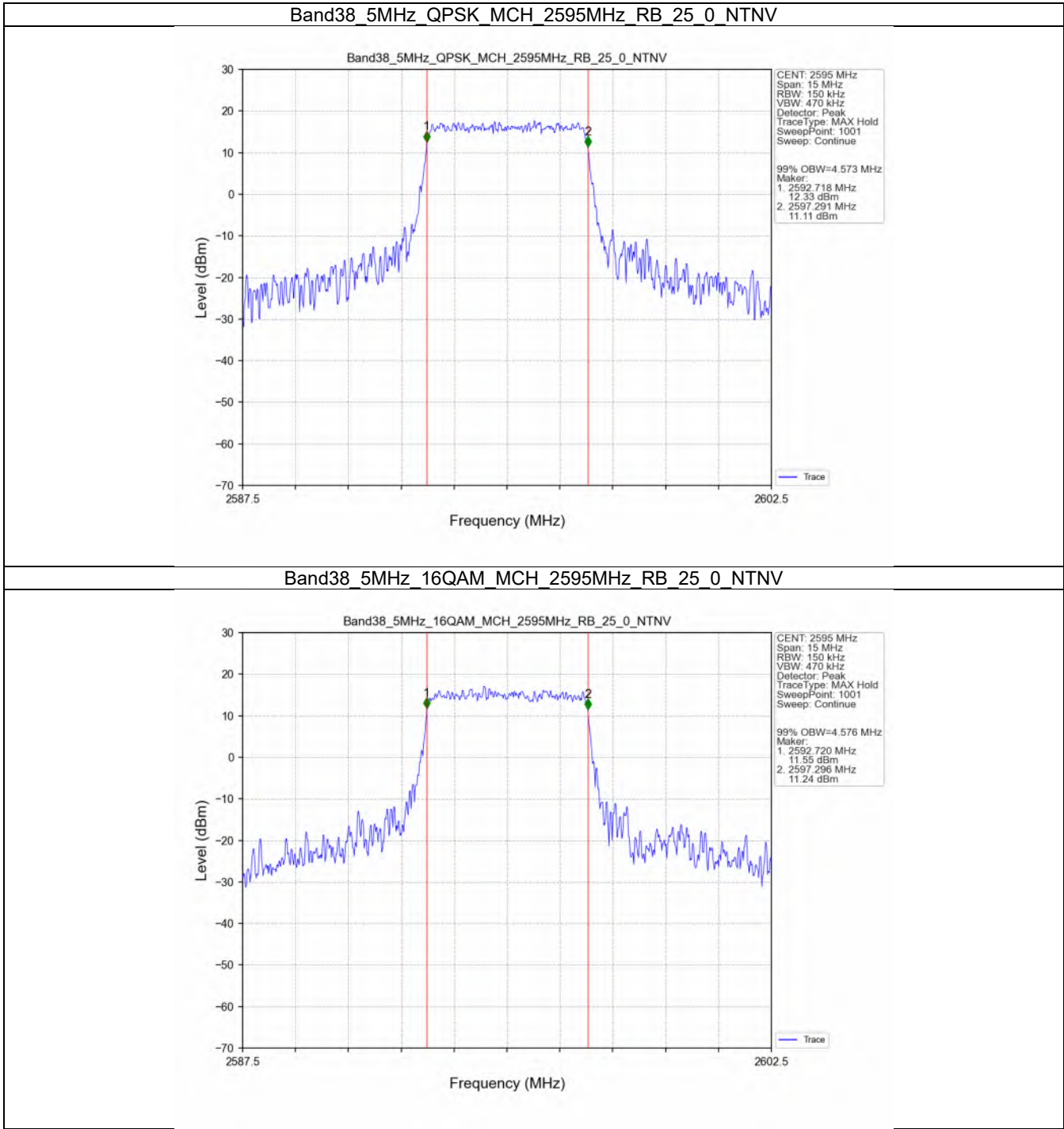
Band: 38 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2595	25	0	4.573	/	Pass
	16QAM	2595	25	0	4.576	/	Pass
	64QAM	2595	25	0	4.567	/	Pass
	256QAM	2595	25	0	4.578	/	Pass
10	QPSK	2595	50	0	9.092	/	Pass
	16QAM	2595	50	0	9.102	/	Pass
	64QAM	2595	50	0	9.141	/	Pass
	256QAM	2595	50	0	9.094	/	Pass
15	QPSK	2595	75	0	13.652	/	Pass
	16QAM	2595	75	0	13.670	/	Pass
	64QAM	2595	75	0	13.620	/	Pass
	256QAM	2595	75	0	13.683	/	Pass
20	QPSK	2595	100	0	18.205	/	Pass
	16QAM	2595	100	0	18.174	/	Pass
	64QAM	2595	100	0	18.181	/	Pass
	256QAM	2595	100	0	18.170	/	Pass

3.1.2 Band38_XDB

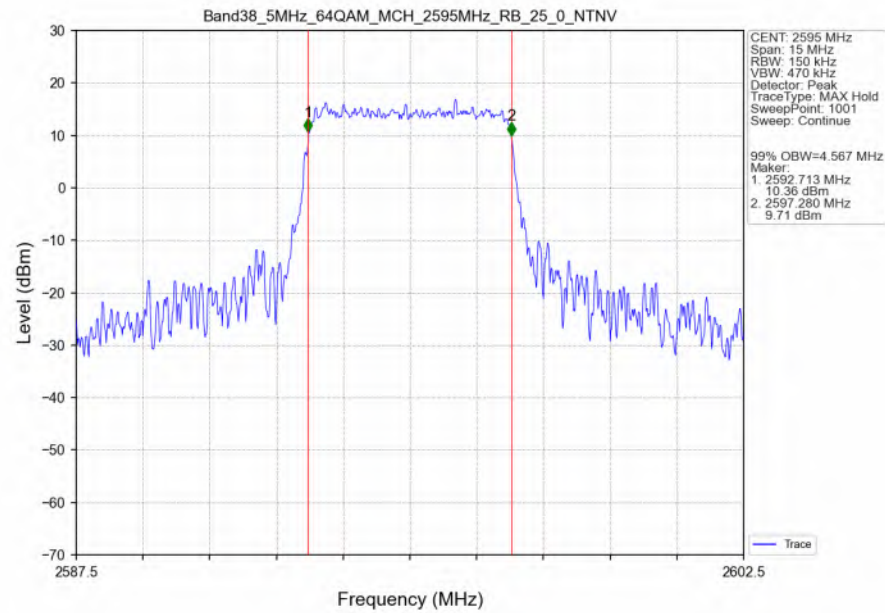
Band: 38 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2595	25	0	5.542	/	Pass
	16QAM	2595	25	0	5.390	/	Pass
	64QAM	2595	25	0	5.277	/	Pass
	256QAM	2595	25	0	5.488	/	Pass
10	QPSK	2595	50	0	10.487	/	Pass
	16QAM	2595	50	0	11.042	/	Pass
	64QAM	2595	50	0	10.286	/	Pass
	256QAM	2595	50	0	11.857	/	Pass
15	QPSK	2595	75	0	15.407	/	Pass
	16QAM	2595	75	0	15.637	/	Pass
	64QAM	2595	75	0	17.011	/	Pass
	256QAM	2595	75	0	17.397	/	Pass
20	QPSK	2595	100	0	21.647	/	Pass
	16QAM	2595	100	0	21.631	/	Pass
	64QAM	2595	100	0	20.367	/	Pass
	256QAM	2595	100	0	22.992	/	Pass

3.2 Test Graph

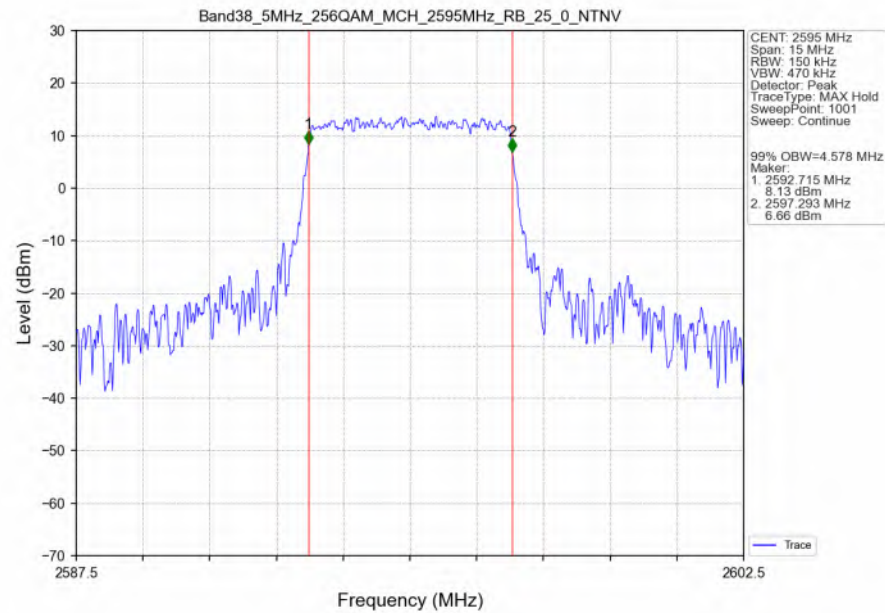
3.2.1 Band38_OBW



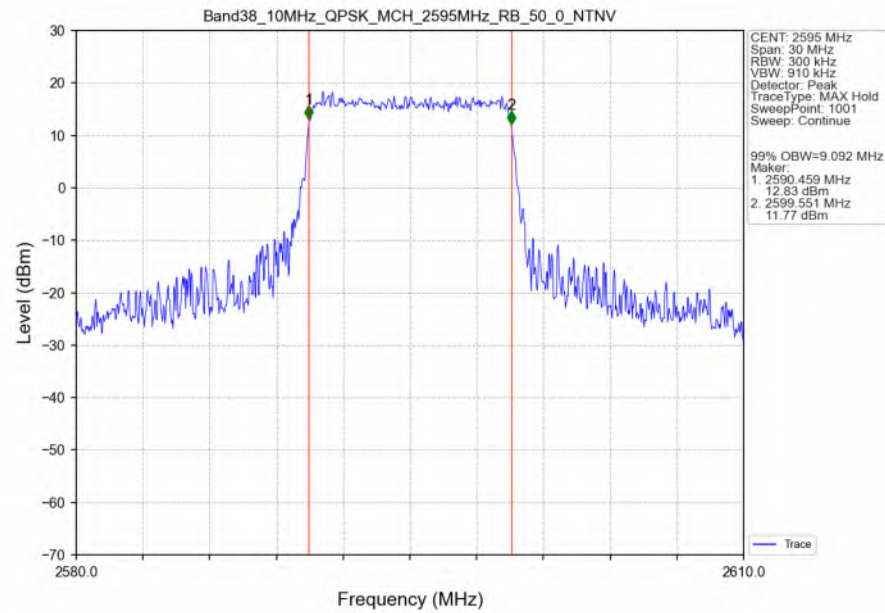
Band38 5MHz 64QAM MCH 2595MHz RB 25 0 NTNV



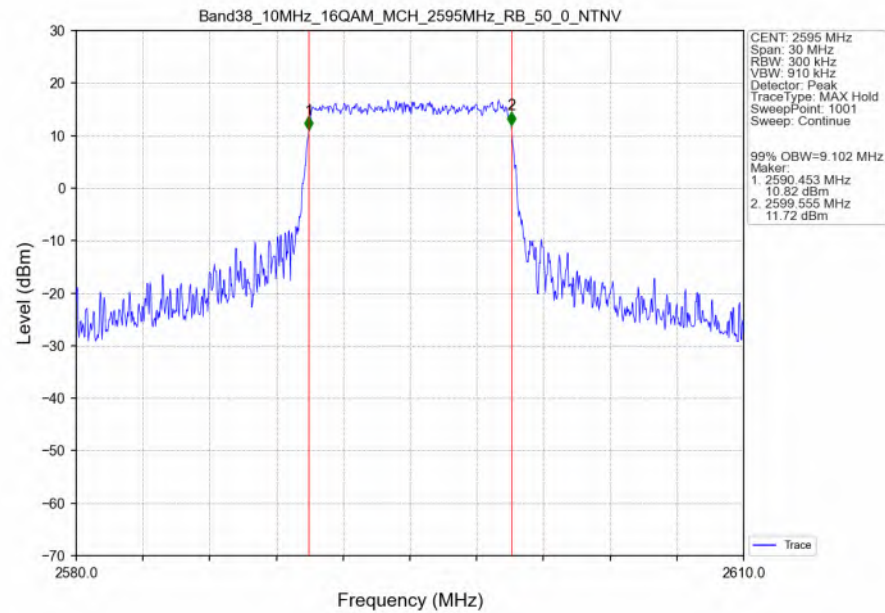
Band38 5MHz 256QAM MCH 2595MHz RB 25 0 NTNV



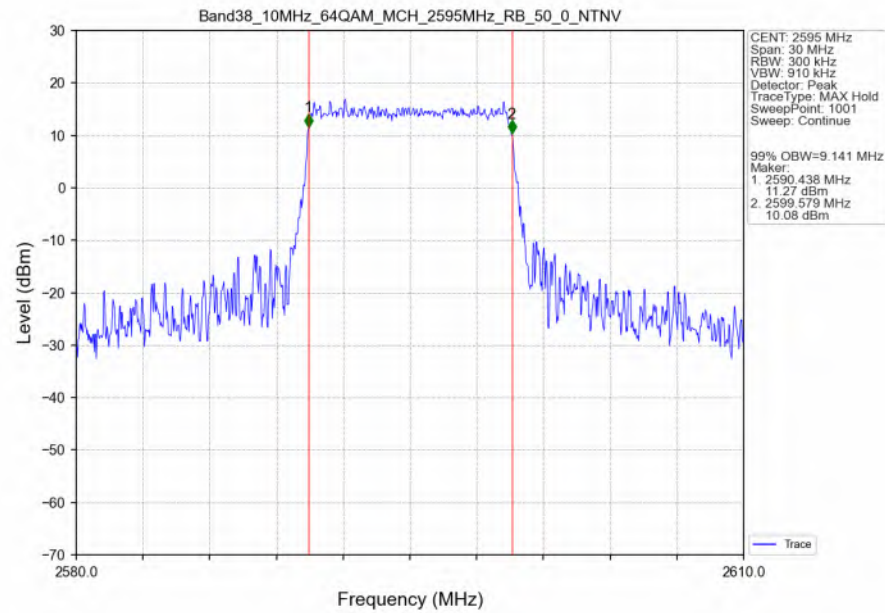
Band38 10MHz QPSK MCH 2595MHz RB 50 0 NTV



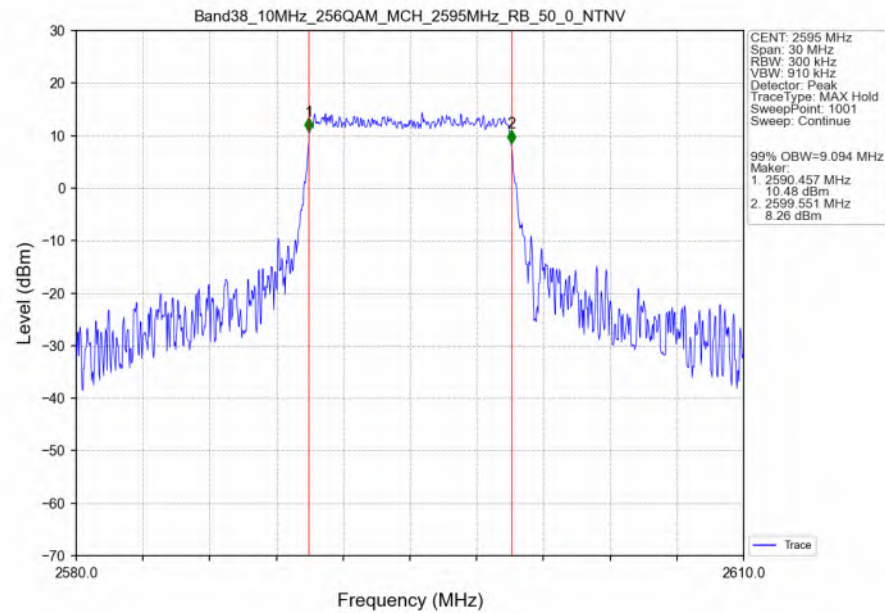
Band38 10MHz 16QAM MCH 2595MHz RB 50 0 NTV



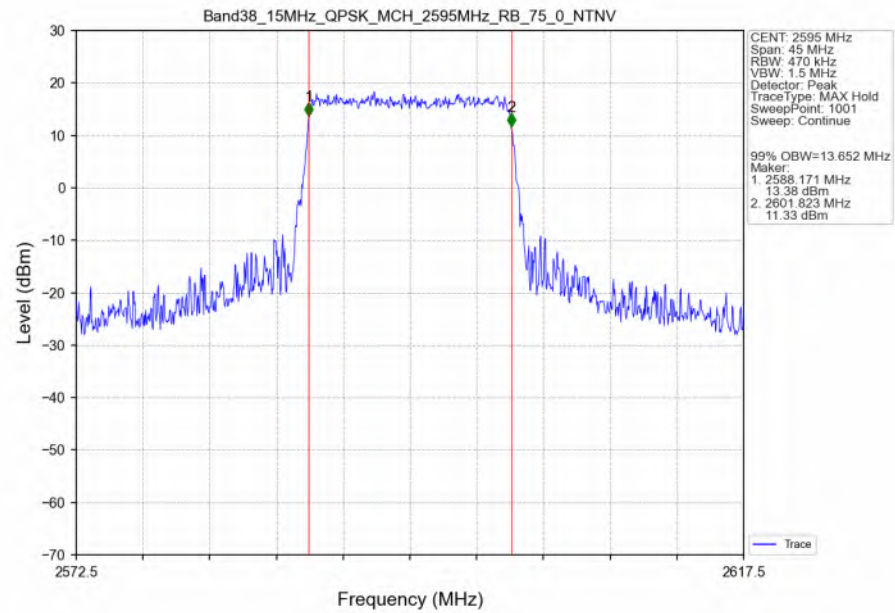
Band38 10MHz 64QAM MCH 2595MHz RB 50 0 NTV



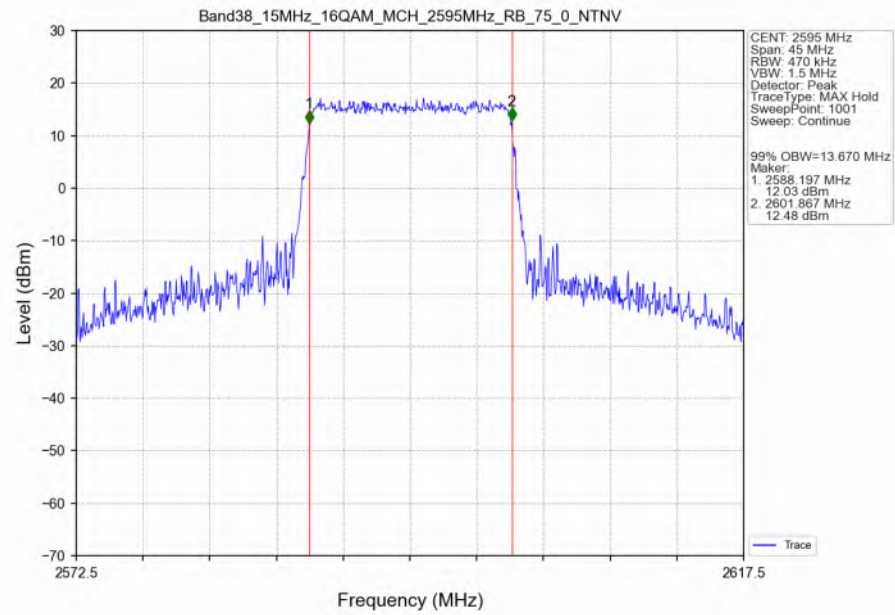
Band38 10MHz 256QAM MCH 2595MHz RB 50 0 NTV



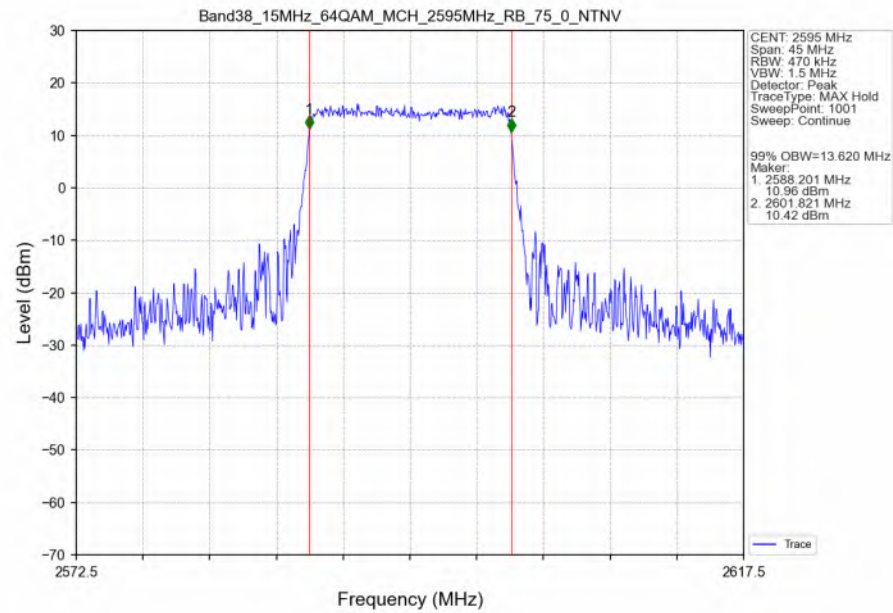
Band38 15MHz QPSK MCH 2595MHz RB 75 0 NTV



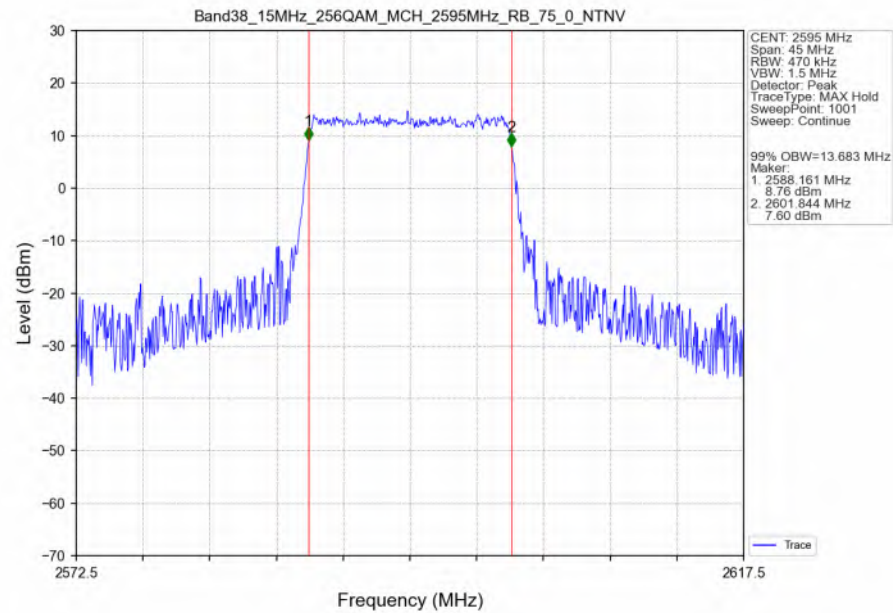
Band38 15MHz 16QAM MCH 2595MHz RB 75 0 NTV



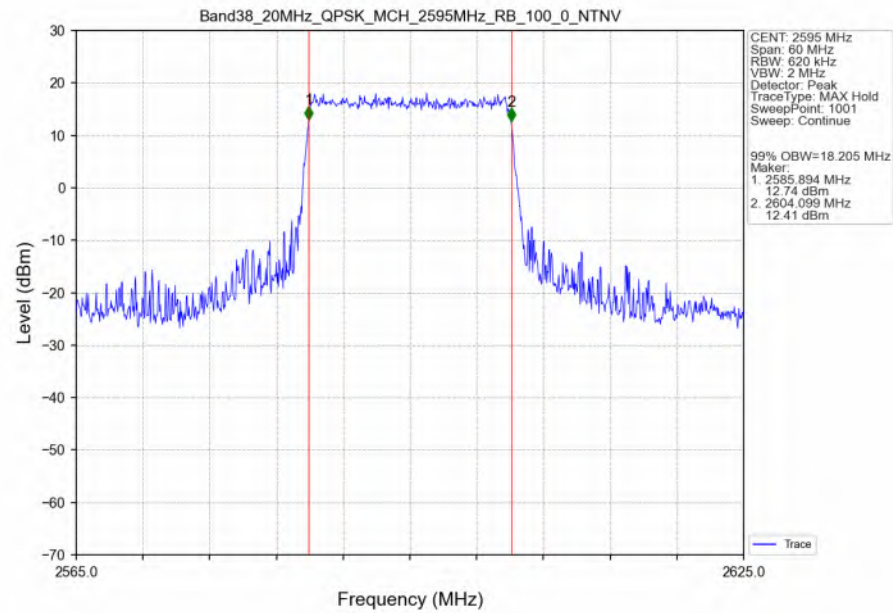
Band38 15MHz 64QAM MCH 2595MHz RB 75 0 NTNV



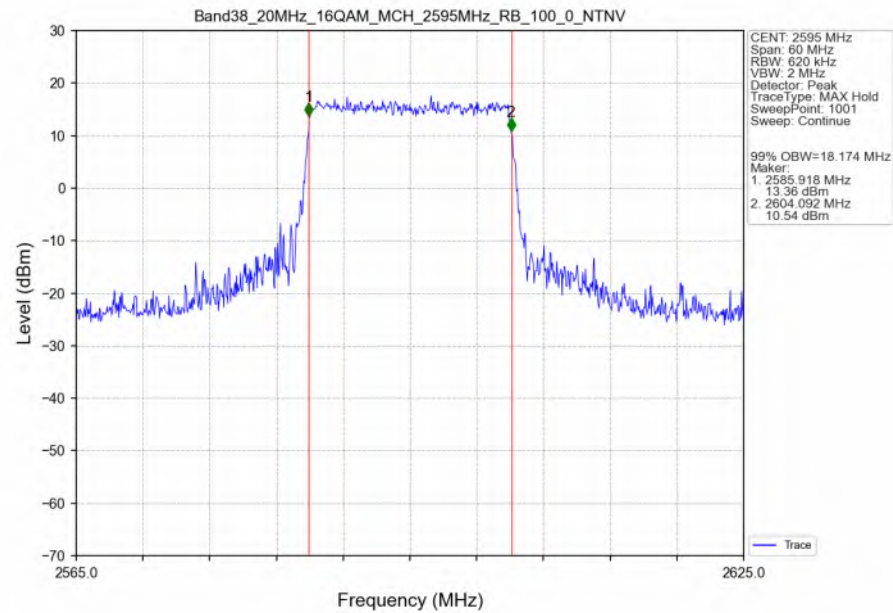
Band38 15MHz 256QAM MCH 2595MHz RB 75 0 NTNV



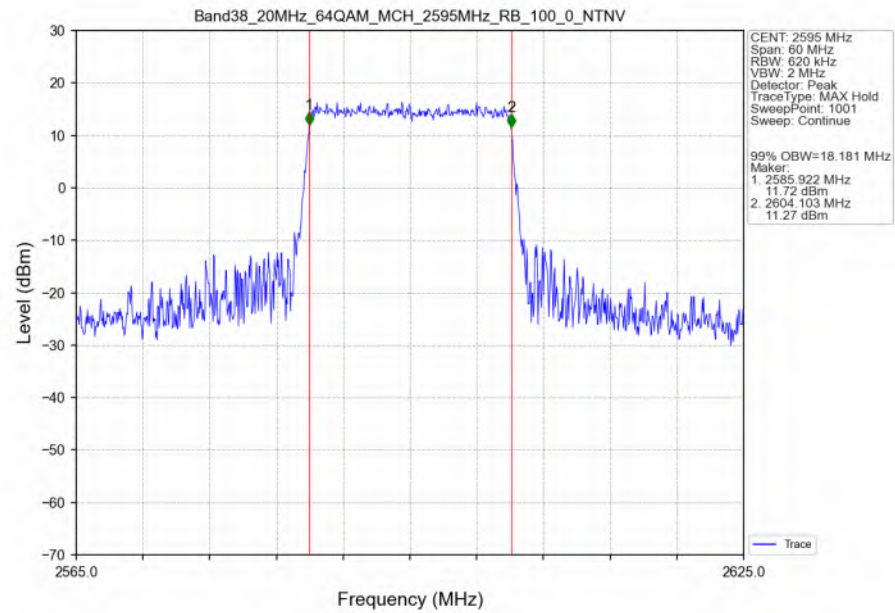
Band38 20MHz QPSK MCH 2595MHz RB 100 0 NTV



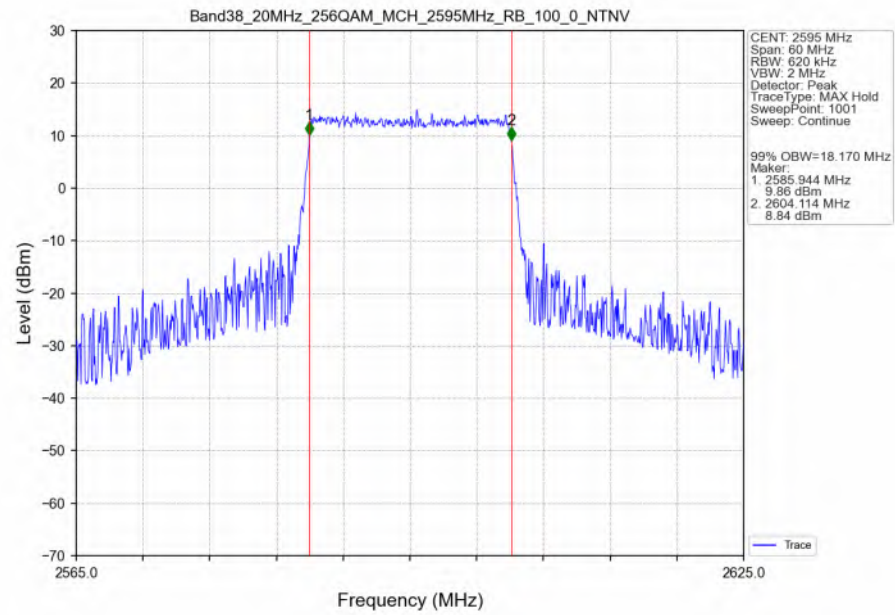
Band38 20MHz 16QAM MCH 2595MHz RB 100 0 NTV



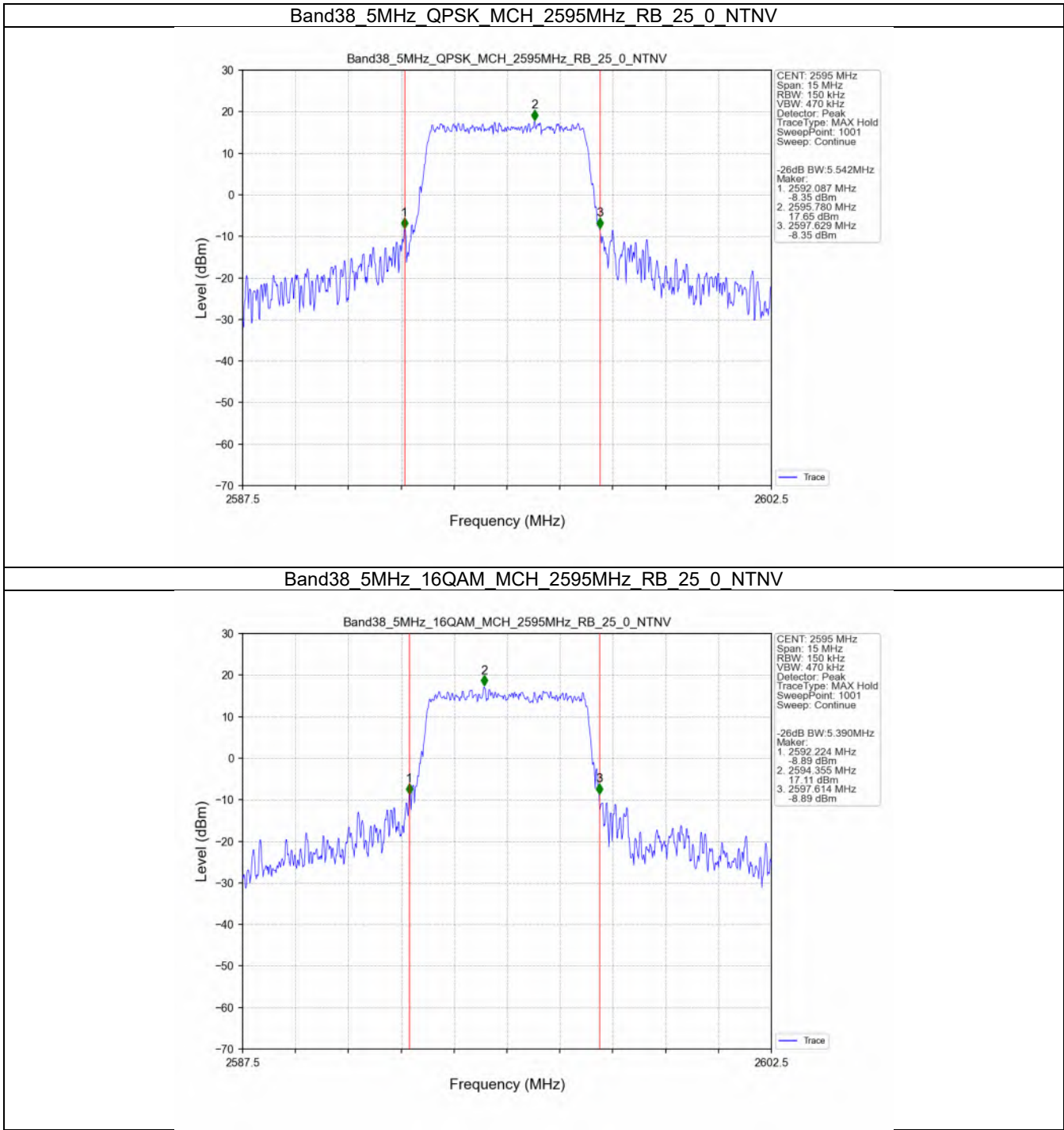
Band38 20MHz 64QAM MCH 2595MHz RB 100 0 NTNV



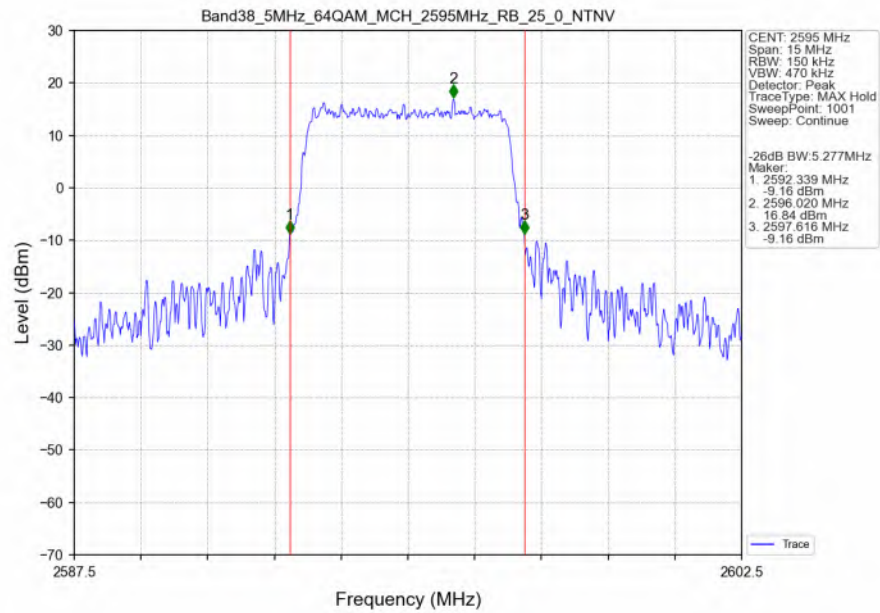
Band38 20MHz 256QAM MCH 2595MHz RB 100 0 NTNV



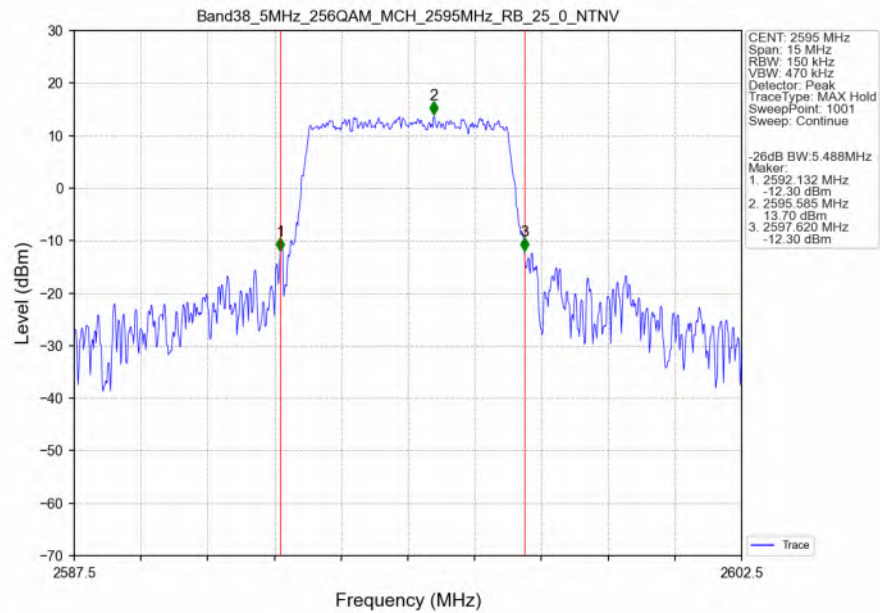
3.2.2 Band38_XDB



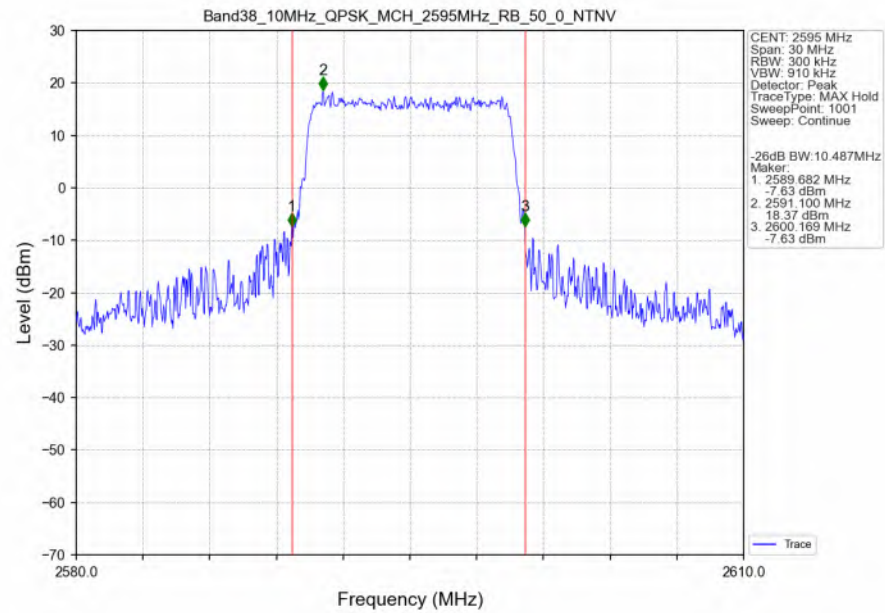
Band38 5MHz 64QAM MCH 2595MHz RB 25 0 NTN



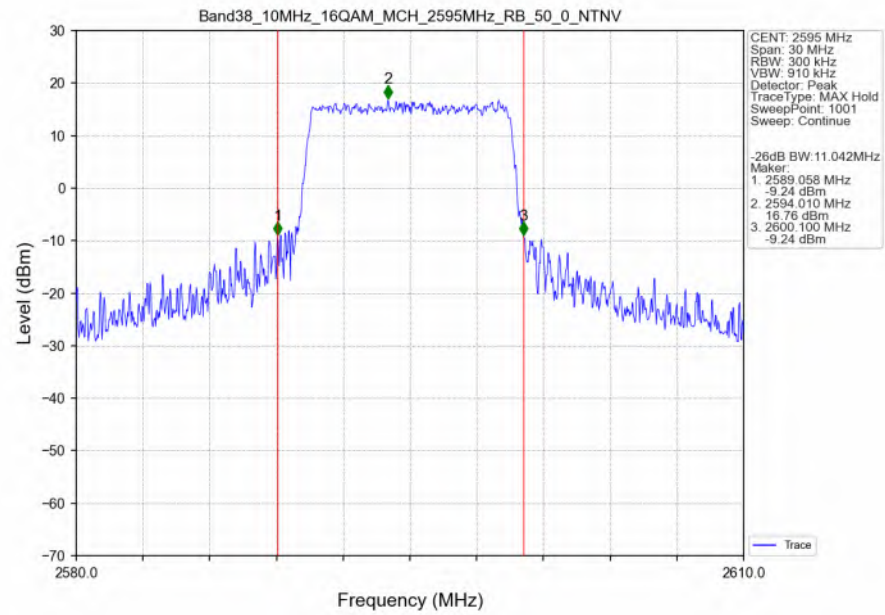
Band38 5MHz 256QAM MCH 2595MHz RB 25 0 NTN



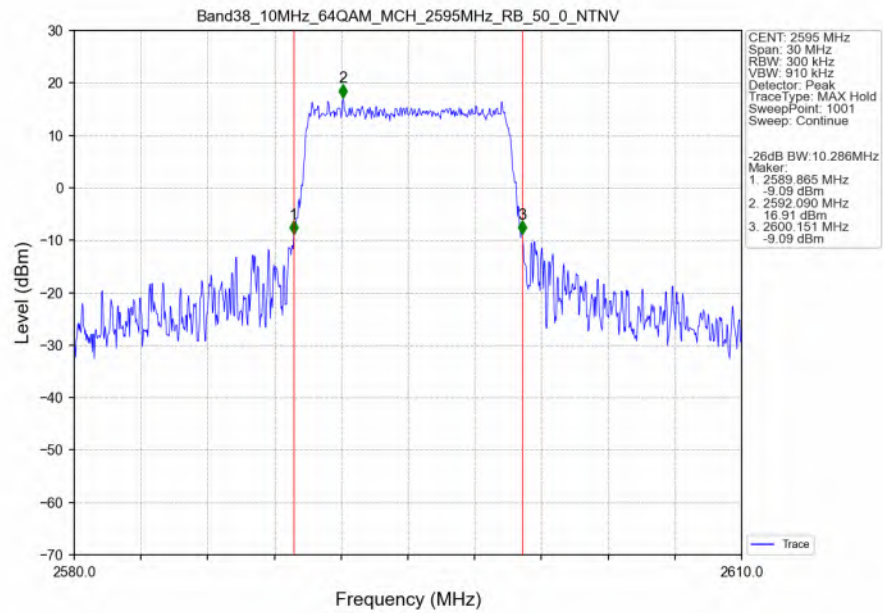
Band38 10MHz QPSK MCH 2595MHz RB 50 0 NTNV



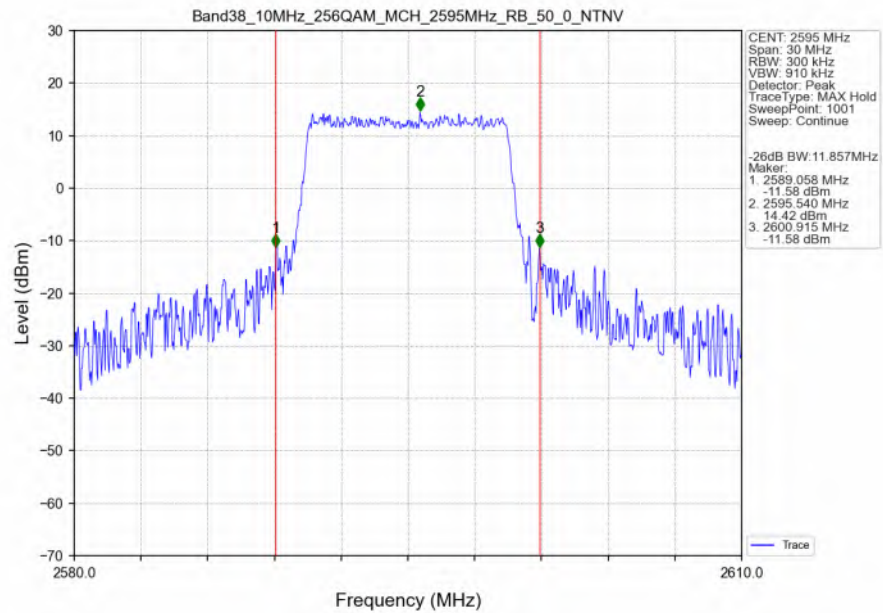
Band38 10MHz 16QAM MCH 2595MHz RB 50 0 NTNV



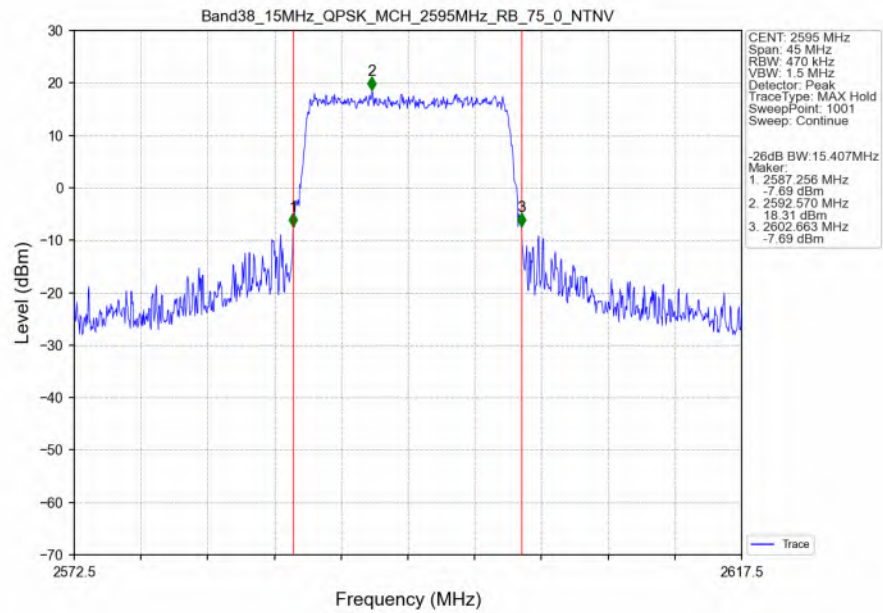
Band38 10MHz 64QAM MCH 2595MHz RB 50 0 NTV



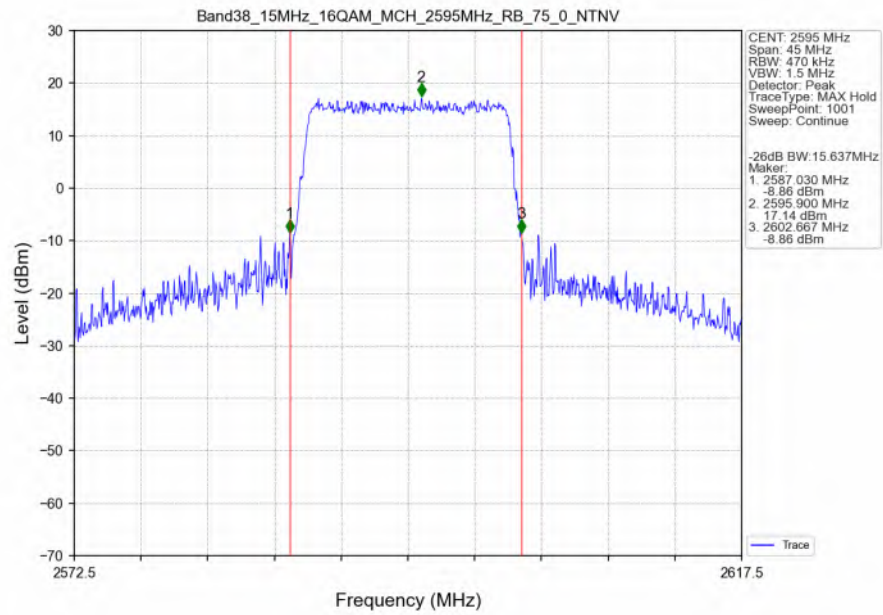
Band38 10MHz 256QAM MCH 2595MHz RB 50 0 NTV



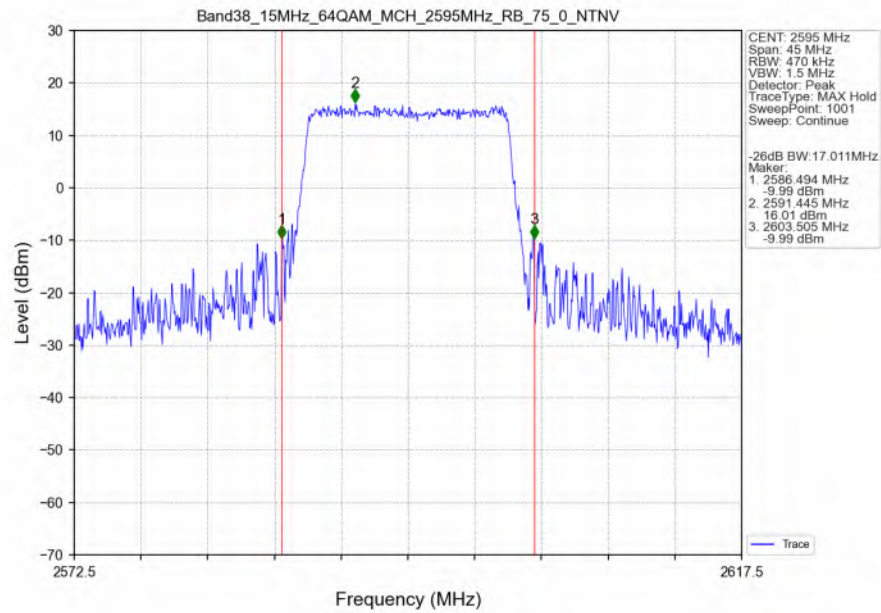
Band38 15MHz QPSK MCH 2595MHz RB 75 0 NTNV



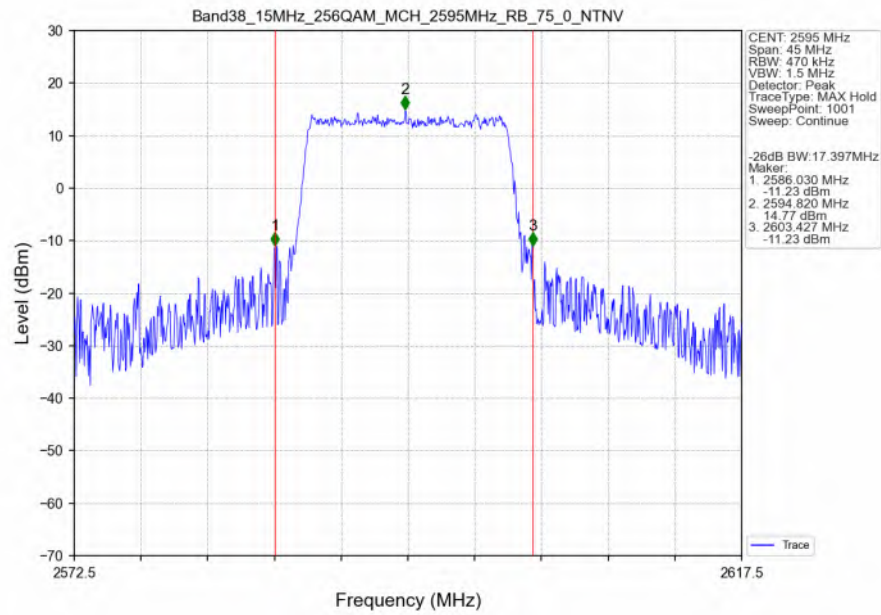
Band38 15MHz 16QAM MCH 2595MHz RB 75 0 NTNV



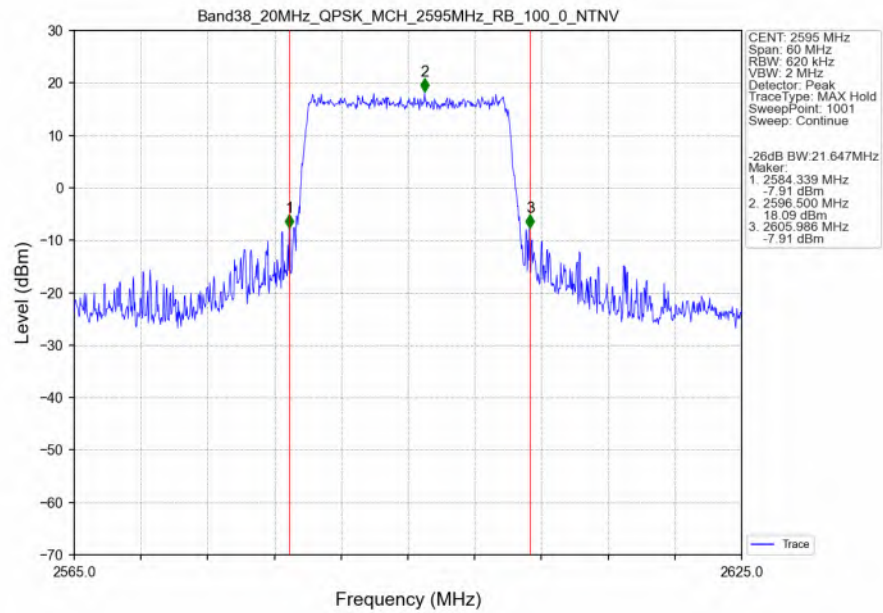
Band38 15MHz 64QAM MCH 2595MHz RB 75 0 NTNV



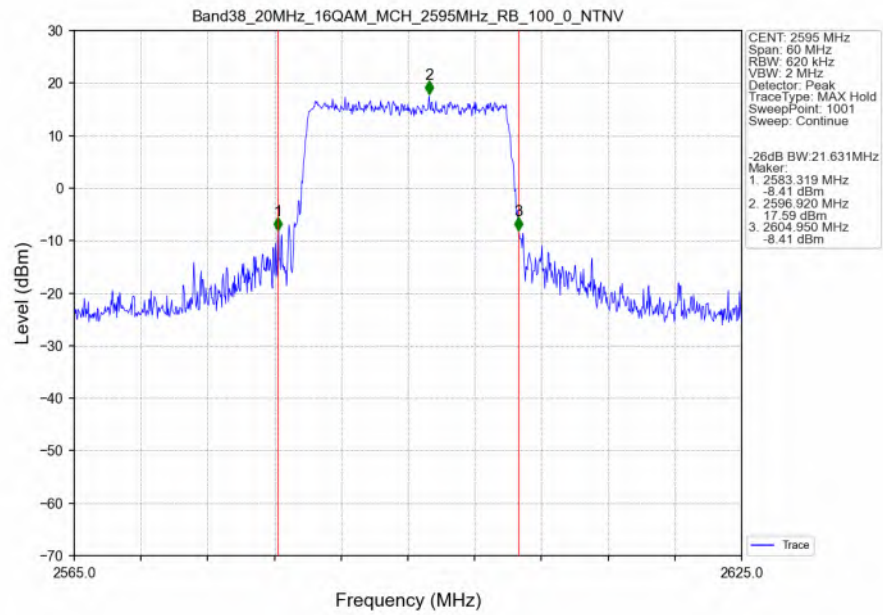
Band38 15MHz 256QAM MCH 2595MHz RB 75 0 NTNV



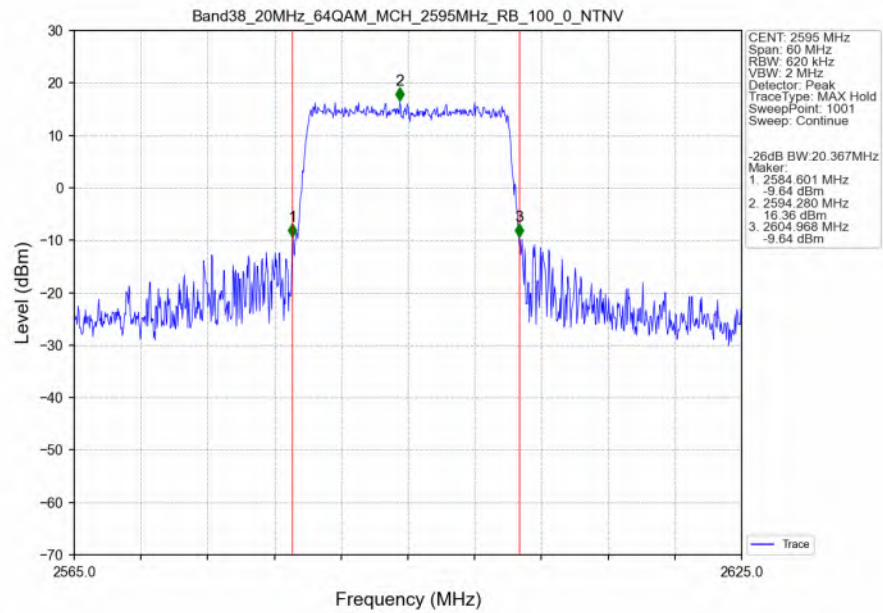
Band38 20MHz QPSK MCH 2595MHz RB 100 0 NTV



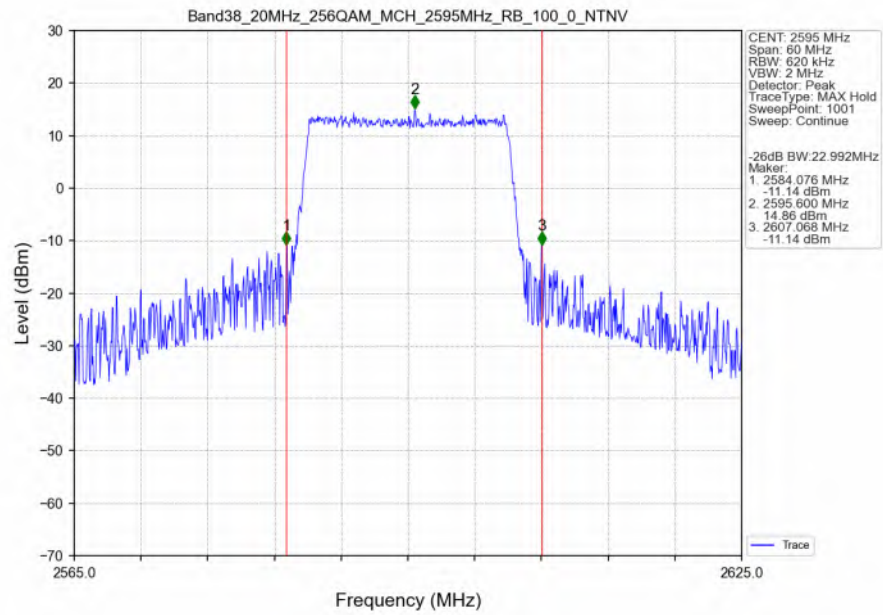
Band38 20MHz 16QAM MCH 2595MHz RB 100 0 NTV



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



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



4. Peak-Average Ratio

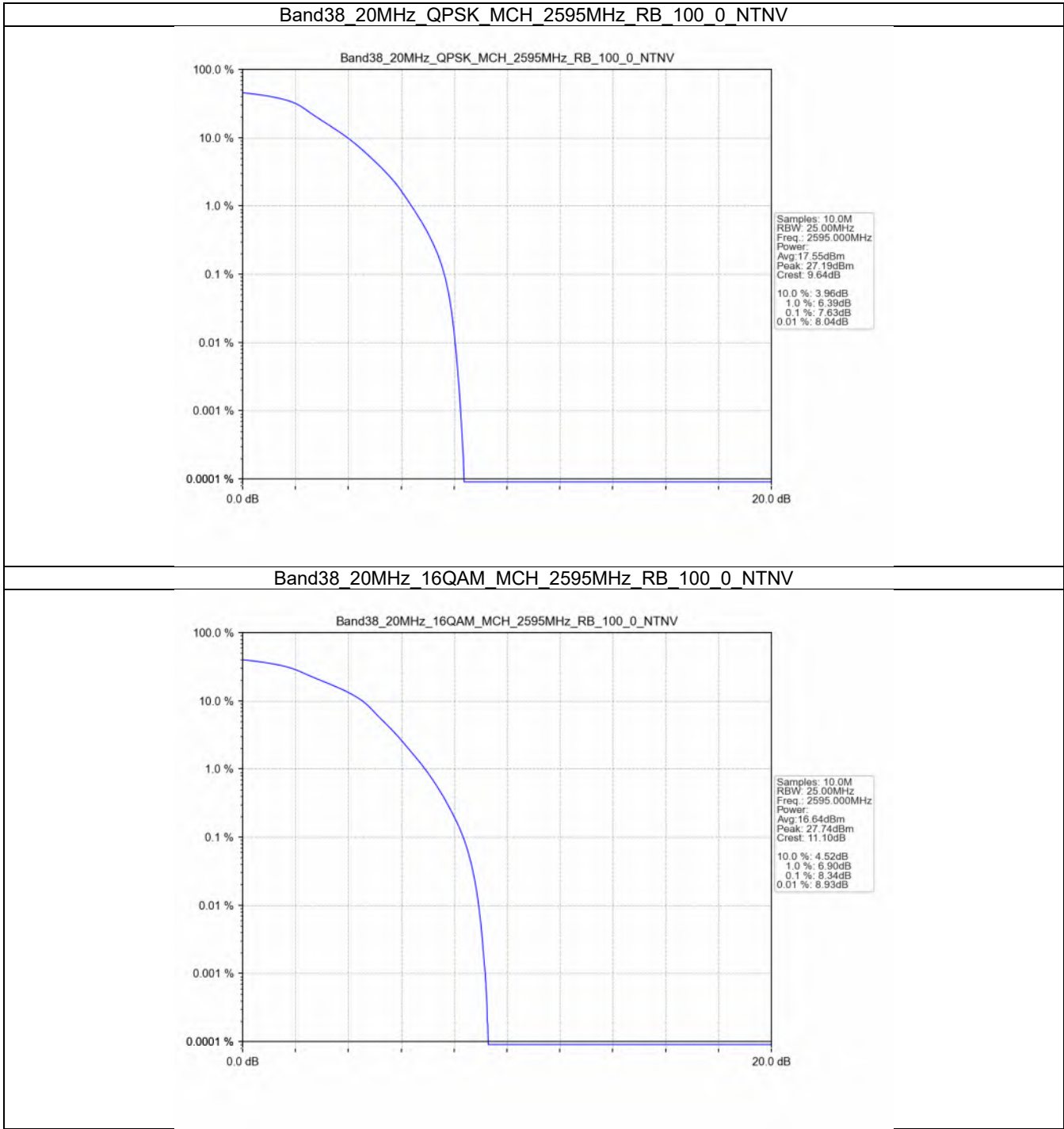
4.1 Test Result

4.1.1 B38_20MHz

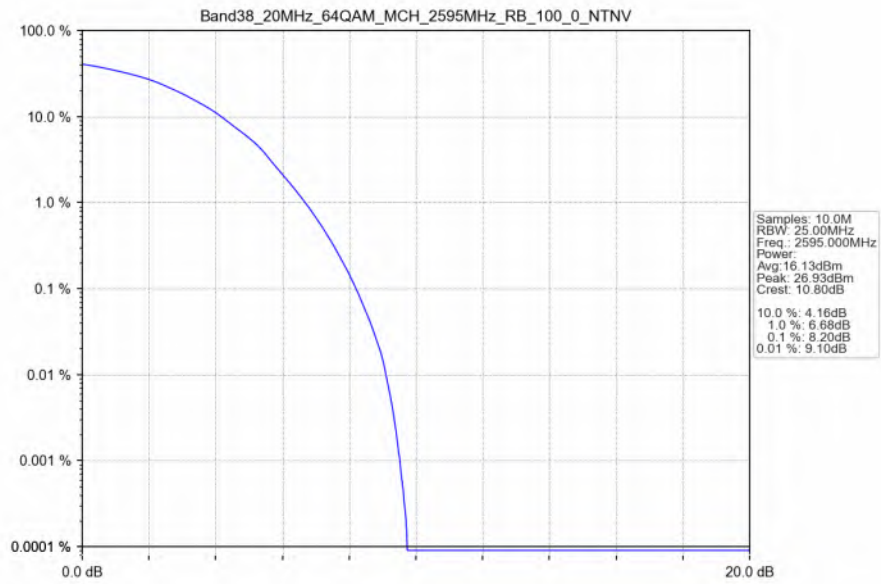
Band: 38 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2595	100	0	7.63	<=13	Pass
16QAM	2595	100	0	8.34	<=13	Pass
64QAM	2595	100	0	8.20	<=13	Pass
256QAM	2595	100	0	8.76	<=13	Pass

4.2 Test Graph

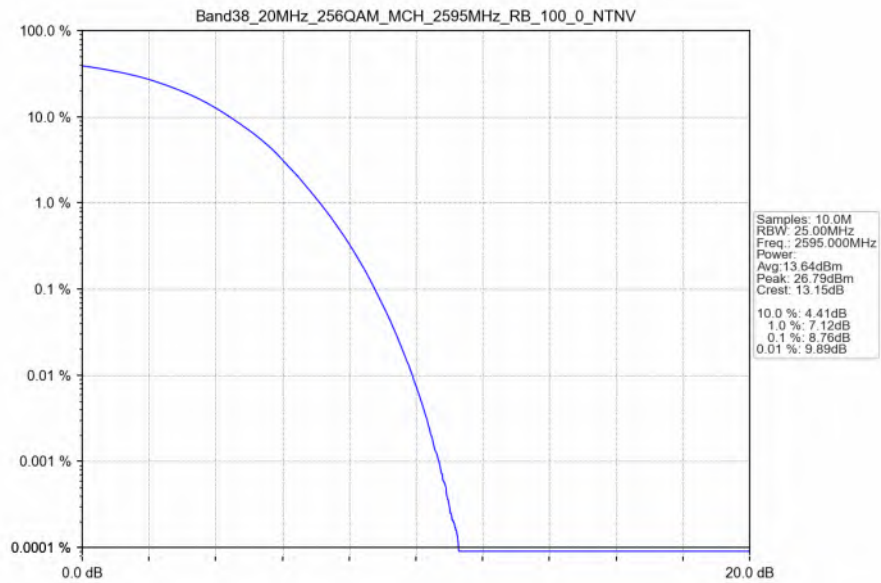
4.2.1 B38_20MHz



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



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



5. Spurious Emission

5.1 Test Result

5.1.1 B38_5MHz

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

5.1.2 B38_10MHz

Band: 38 / Bandwidth: 10MHz / NTV						
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

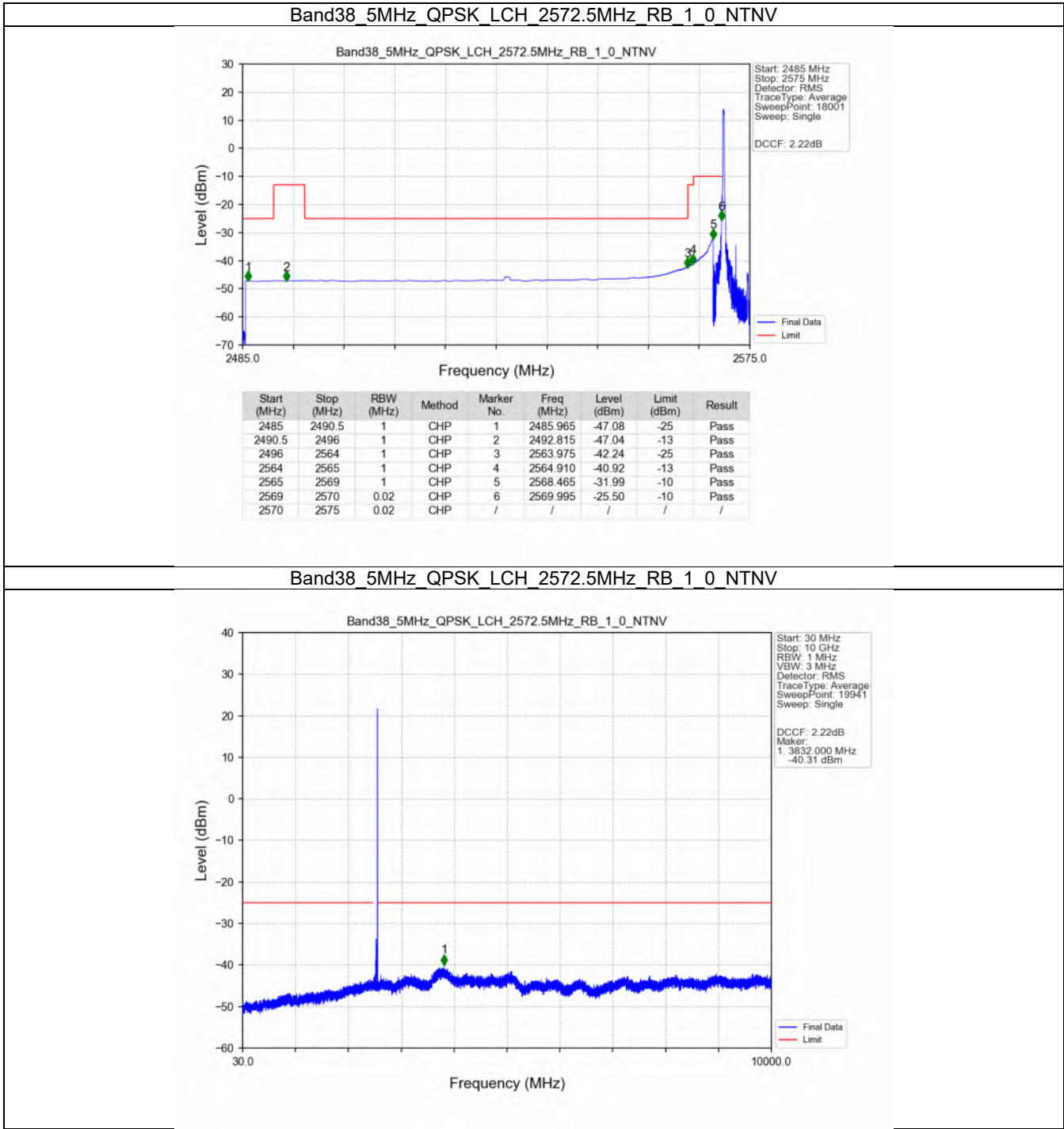
Band: 38 / Bandwidth: 15MHz / NTVN						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	2577.5	1	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	2595	1	0	Refer To Test Graph		Pass
	2612.5	1	0	Refer To Test Graph		Pass
			74	Refer To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

5.1.4 B38_20MHz

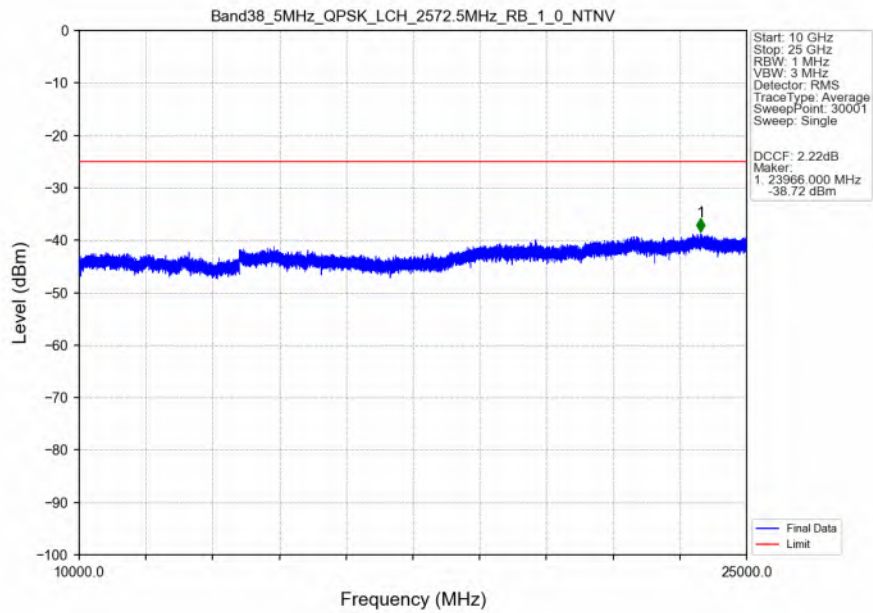
Band: 38 / Bandwidth: 20MHz / NTVN						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	2580	1	0	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	2595	1	0	Refer To Test Graph		Pass
	2610	1	0	Refer To Test Graph		Pass
			99	Refer To Test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

5.2 Test Graph

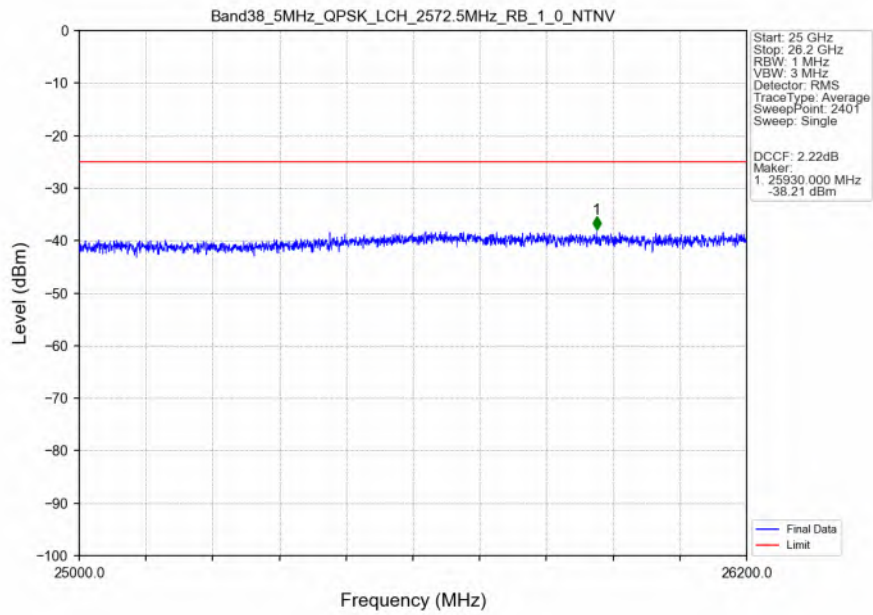
5.2.1 B38_5MHz



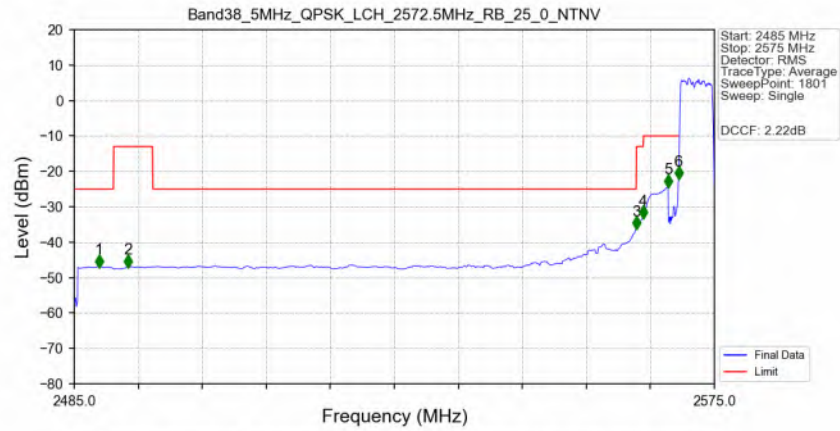
Band38 5MHz QPSK LCH 2572.5MHz RB 1 0 NTNV



Band38 5MHz QPSK LCH 2572.5MHz RB 1 0 NTNV

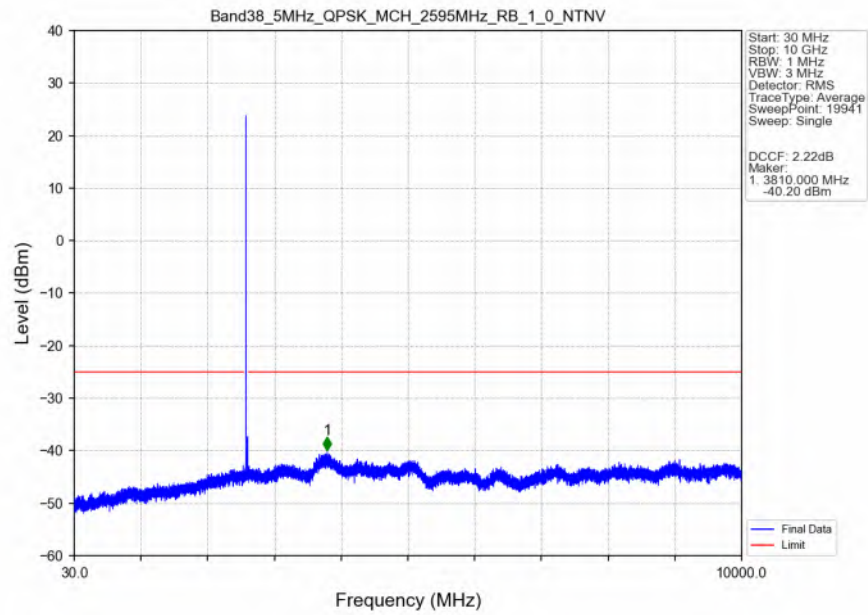


Band38 5MHz QPSK LCH 2572.5MHz RB 25 0 NTNV

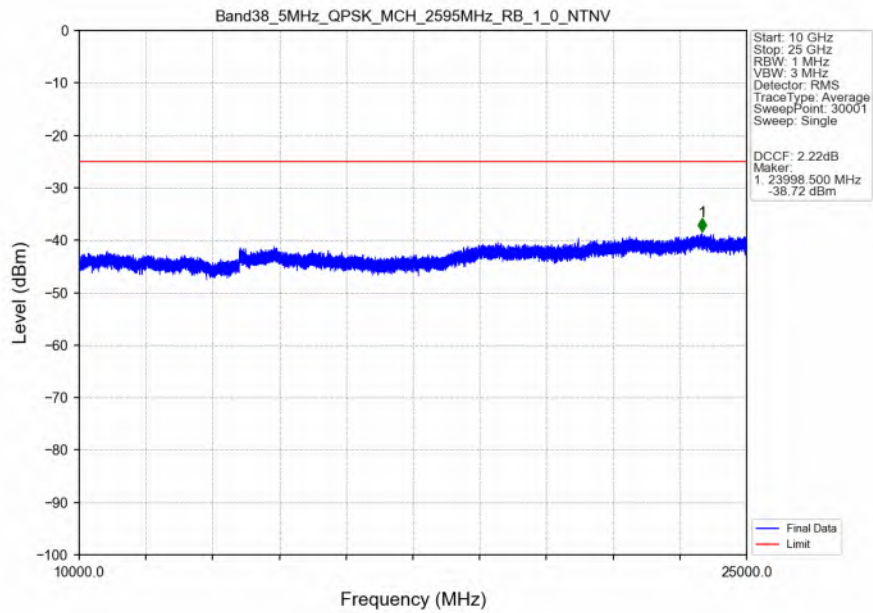


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2488.500	-46.87	-25	Pass
2490.5	2496	1	CHP	2	2492.550	-46.90	-13	Pass
2496	2564	1	CHP	3	2564.000	-36.13	-25	Pass
2564	2565	1	CHP	4	2565.000	-33.13	-13	Pass
2565	2569	1	CHP	5	2568.500	-24.26	-10	Pass
2569	2570	0.11	CHP	6	2569.950	-22.03	-10	Pass
2570	2575	0.11	CHP	/	/	/	/	/

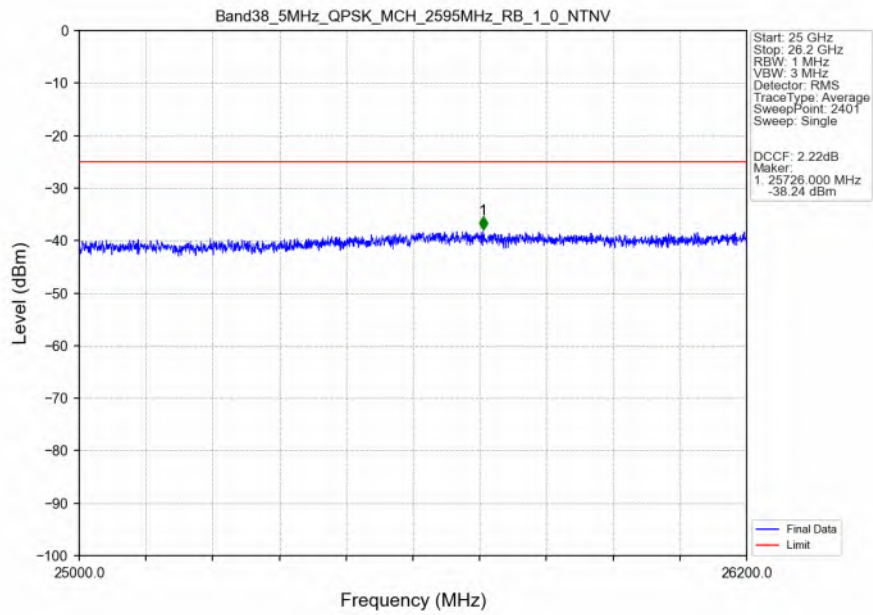
Band38 5MHz QPSK MCH 2595MHz RB 1 0 NTNV



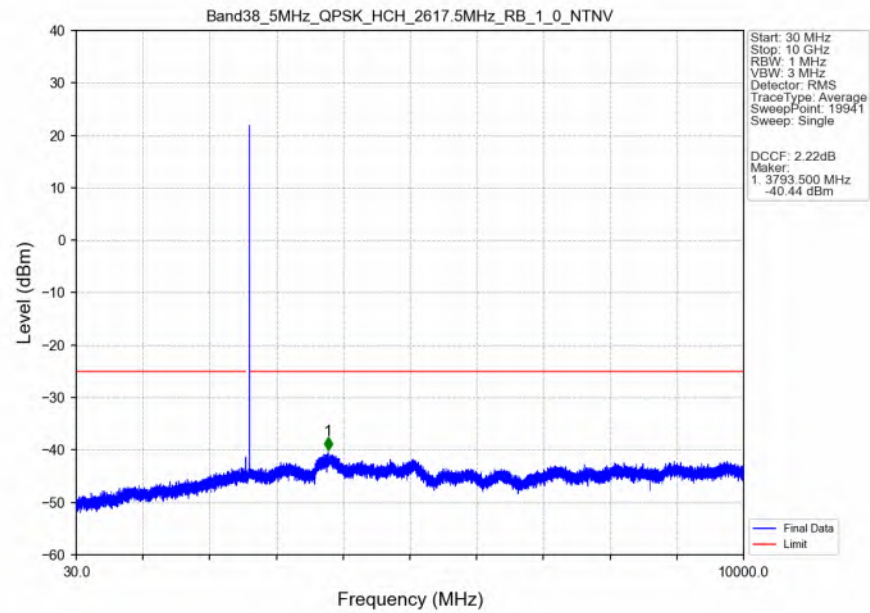
Band38 5MHz QPSK MCH 2595MHz RB 1 0 NTN



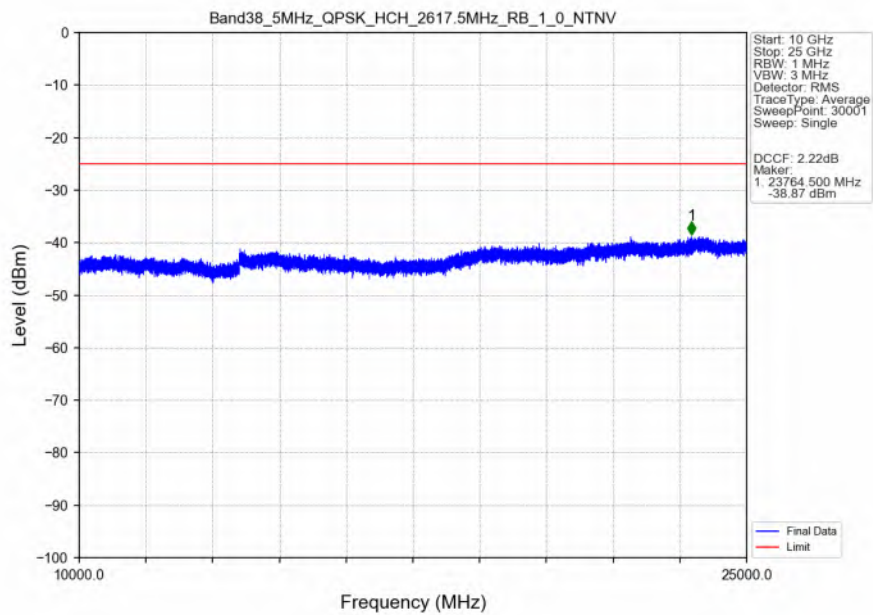
Band38 5MHz QPSK MCH 2595MHz RB 1 0 NTN



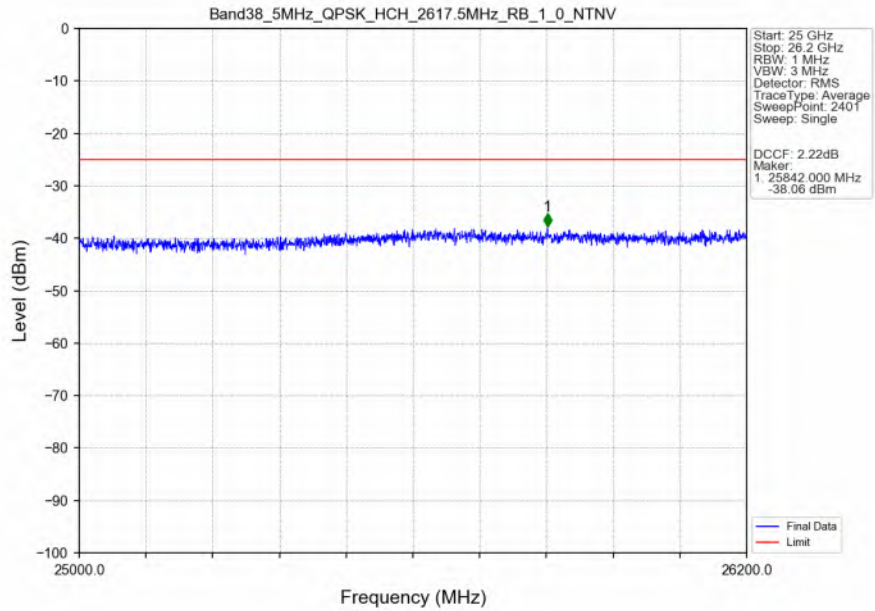
Band38 5MHz QPSK HCH 2617.5MHz RB 1 0 NTNV



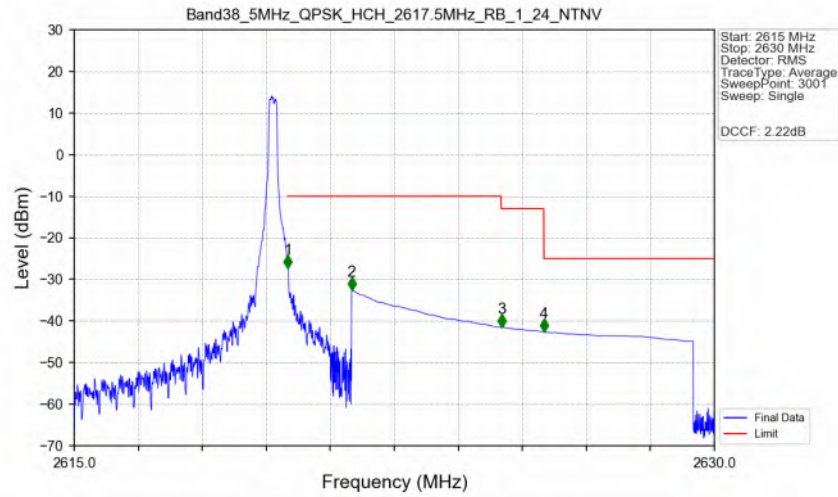
Band38 5MHz QPSK HCH 2617.5MHz RB 1 0 NTNV



Band38 5MHz QPSK HCH 2617.5MHz RB 1 0 NTV

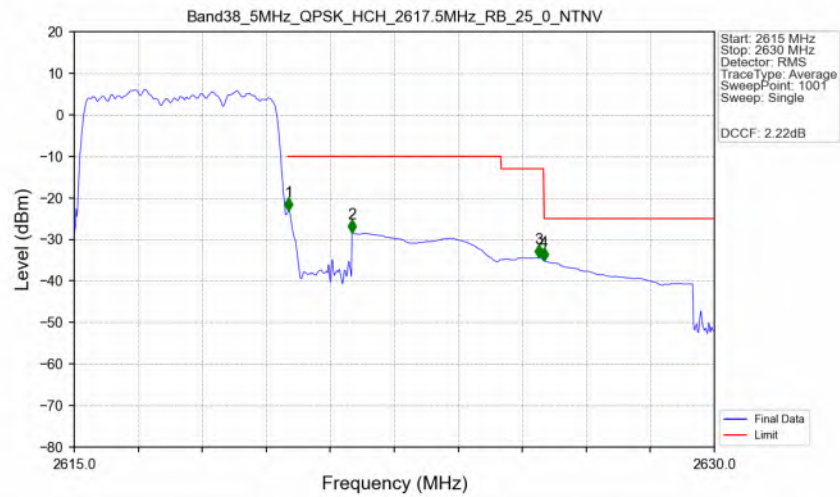


Band38 5MHz QPSK HCH 2617.5MHz RB 1 24 NTV



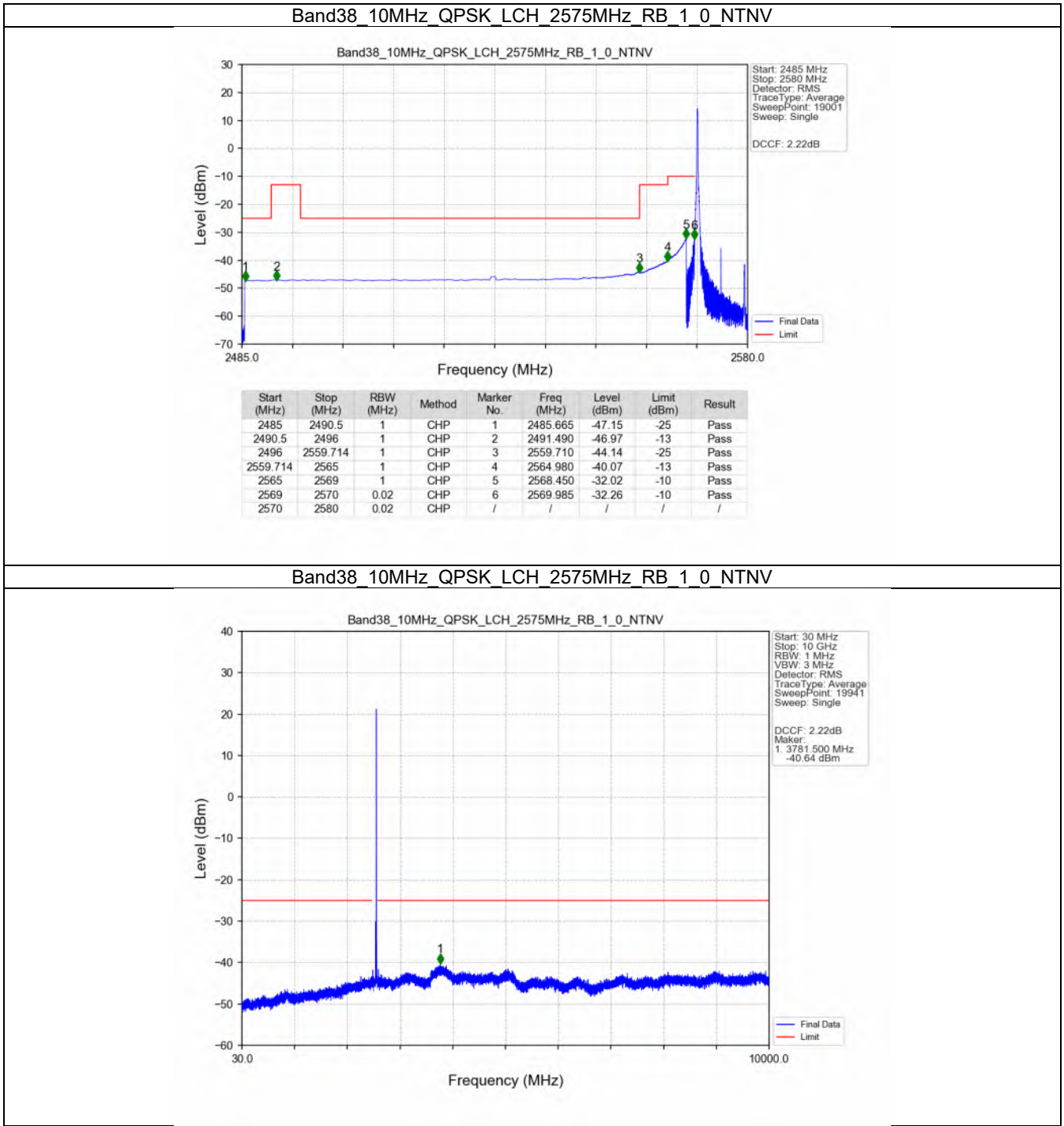
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2615	2620	0.02	CHP	/	/	/	/	/
2620	2621	0.02	CHP	1	2620.005	-27.28	-10	Pass
2621	2625	1	CHP	2	2621.500	-32.53	-10	Pass
2625	2626	1	CHP	3	2625.020	-41.48	-13	Pass
2626	2630	1	CHP	4	2626.005	-42.63	-25	Pass

Band38 5MHz QPSK HCH 2617.5MHz RB 25 0 NTNV

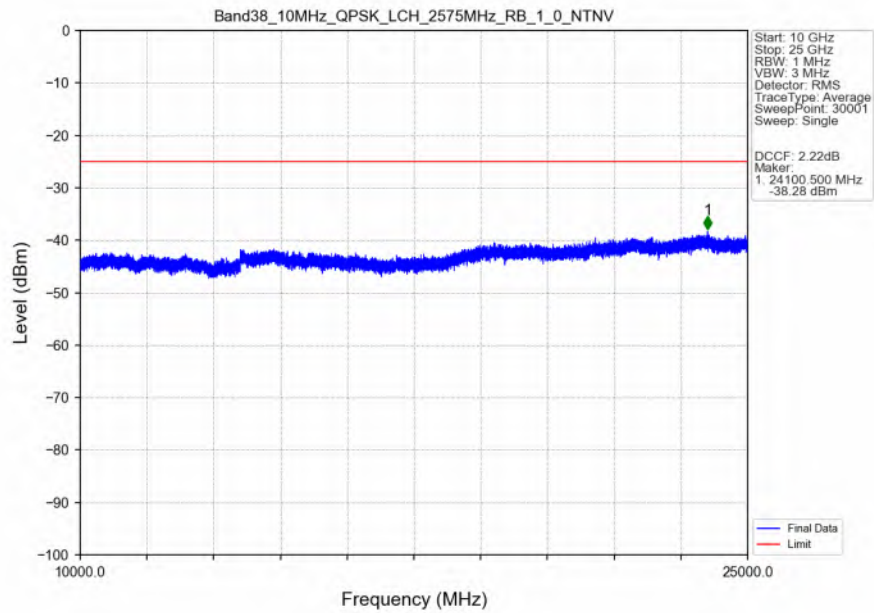


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2615	2620	0.106	CHP	/	/	/	/	/
2620	2621	0.106	CHP	1	2620.025	-23.19	-10	Pass
2621	2625	1	CHP	2	2621.510	-28.38	-10	Pass
2625	2626	1	CHP	3	2625.890	-34.37	-13	Pass
2626	2630	1	CHP	4	2626.010	-35.17	-25	Pass

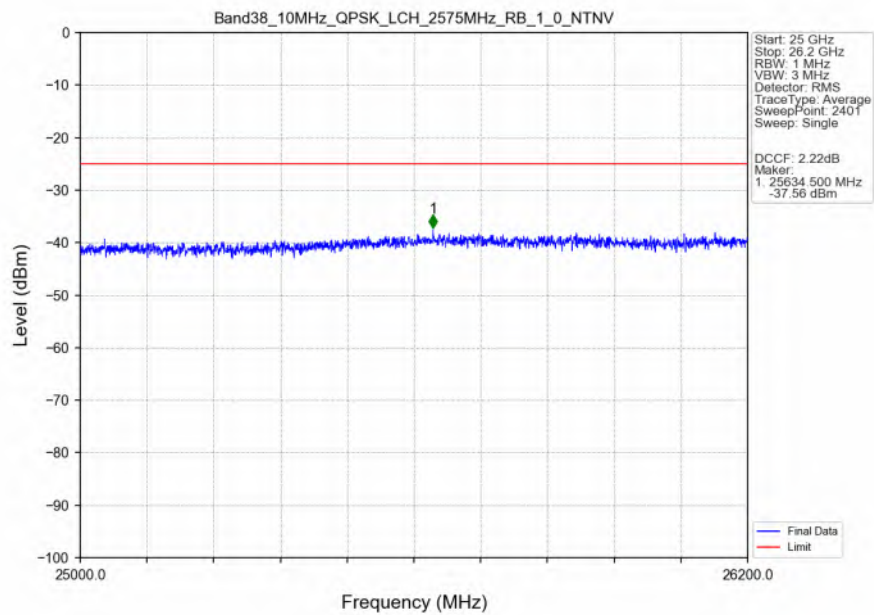
5.2.2 B38_10MHz



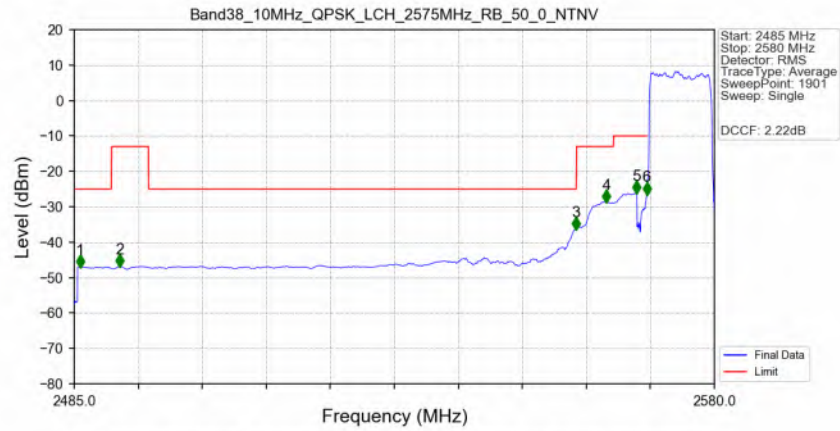
Band38 10MHz QPSK LCH 2575MHz RB 1 0 NTN



Band38 10MHz QPSK LCH 2575MHz RB 1 0 NTN

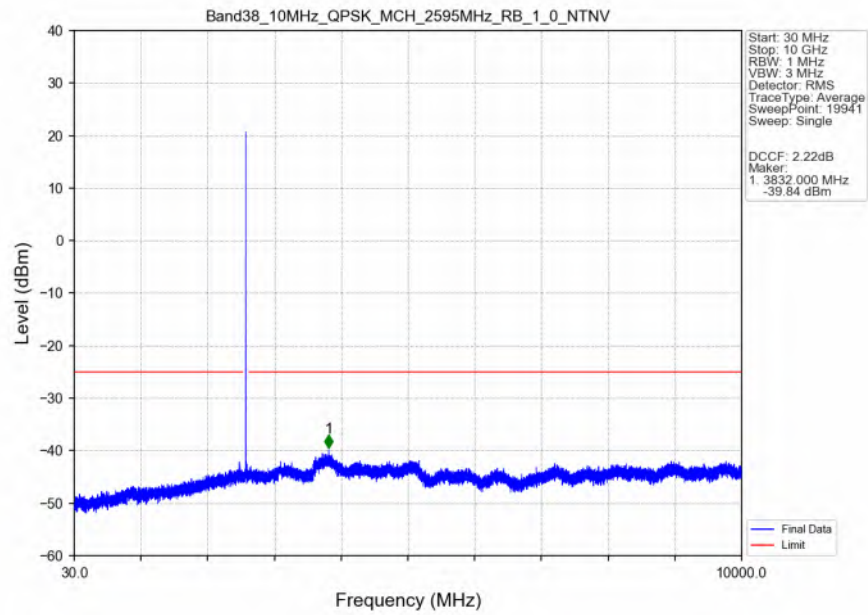


Band38 10MHz QPSK LCH 2575MHz RB 50 0 NTV

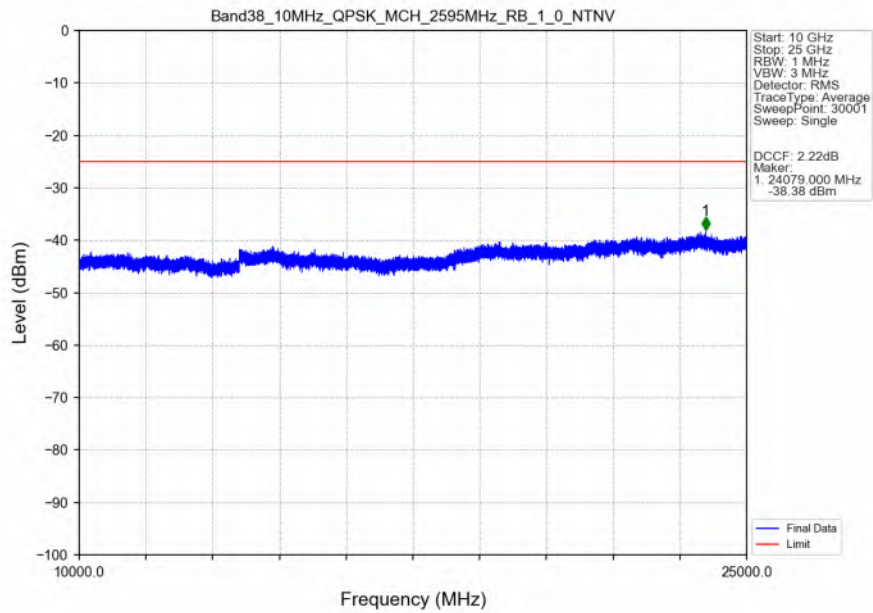


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2485.900	-47.02	-25	Pass
2490.5	2496	1	CHP	2	2491.750	-46.81	-13	Pass
2496	2559.513	1	CHP	3	2559.500	-36.33	-25	Pass
2559.513	2565	1	CHP	4	2563.950	-28.59	-13	Pass
2565	2569	1	CHP	5	2568.450	-26.12	-10	Pass
2569	2570	0.206	CHP	6	2569.950	-26.38	-10	Pass
2570	2580	0.206	CHP	/	/	/	/	/

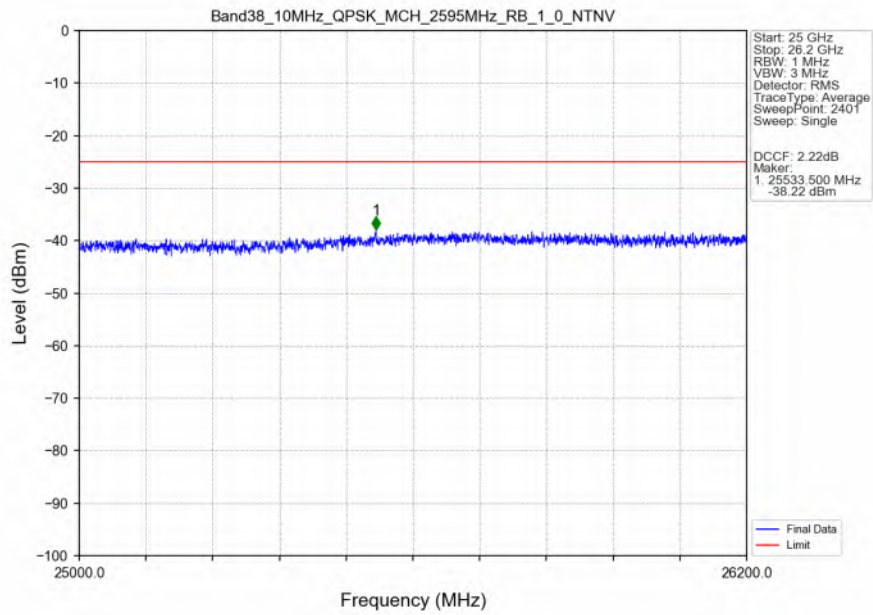
Band38 10MHz QPSK MCH 2595MHz RB 1 0 NTV



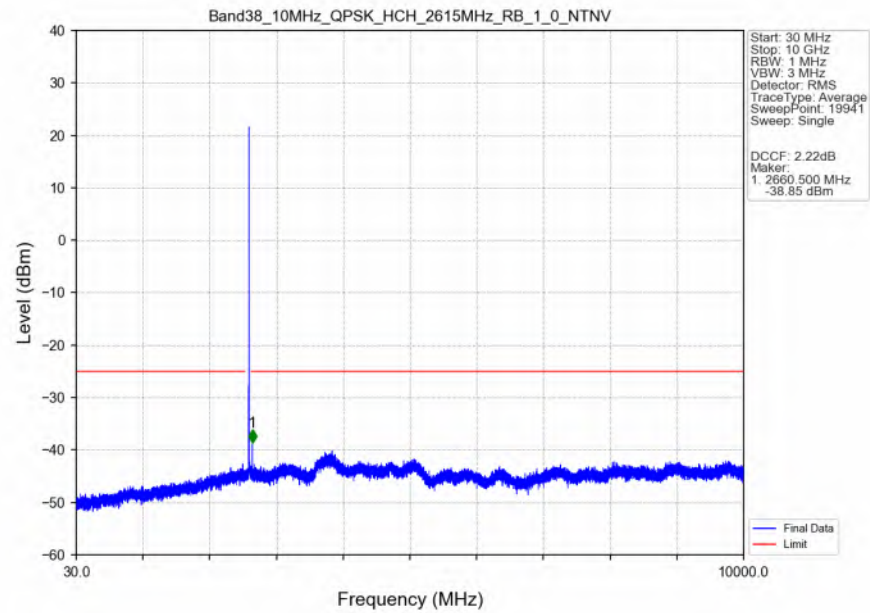
Band38 10MHz QPSK MCH 2595MHz RB 1 0 NTNV



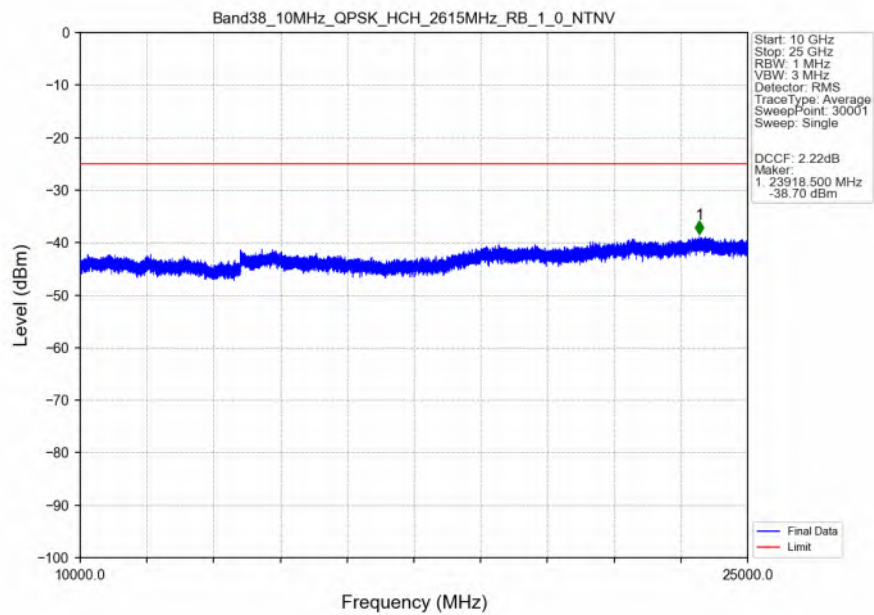
Band38 10MHz QPSK MCH 2595MHz RB 1 0 NTNV



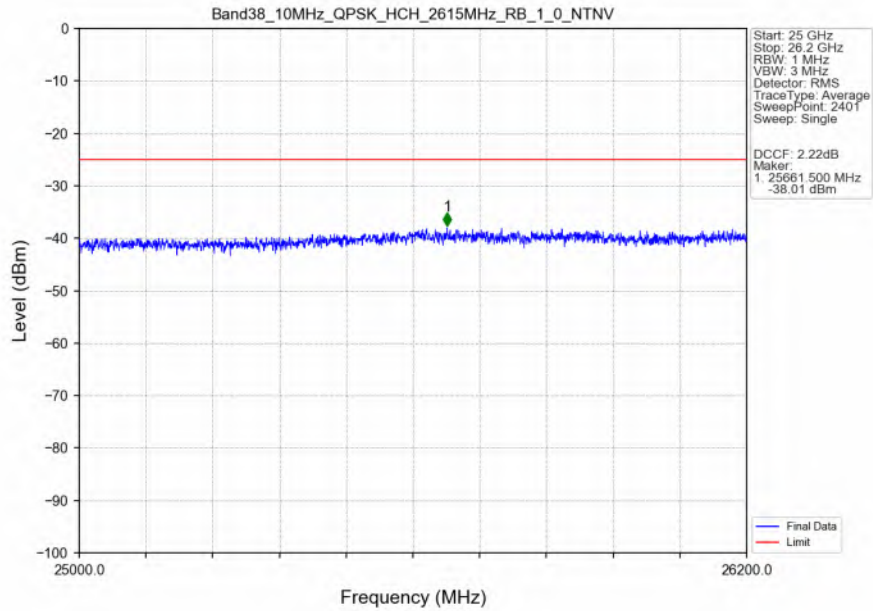
Band38 10MHz QPSK HCH 2615MHz RB 1 0 NTN



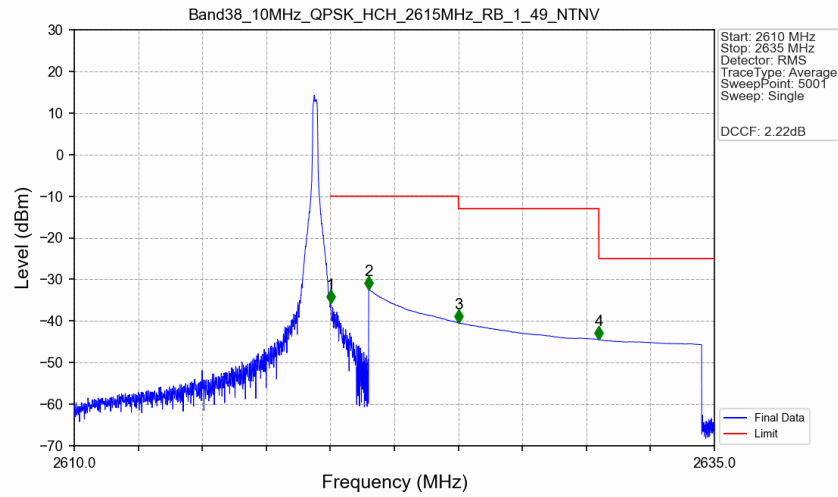
Band38 10MHz QPSK HCH 2615MHz RB 1 0 NTN



Band38 10MHz QPSK HCH 2615MHz RB 1 0 NTNV

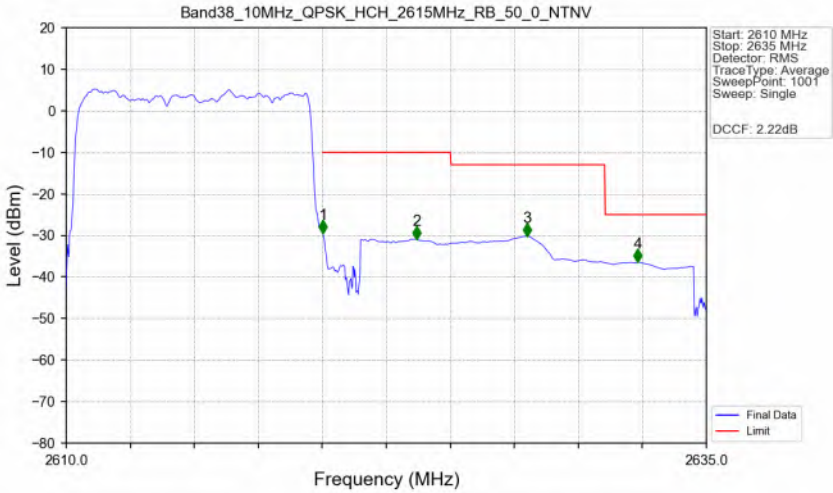


Band38 10MHz QPSK HCH 2615MHz RB 1 49 NTNV



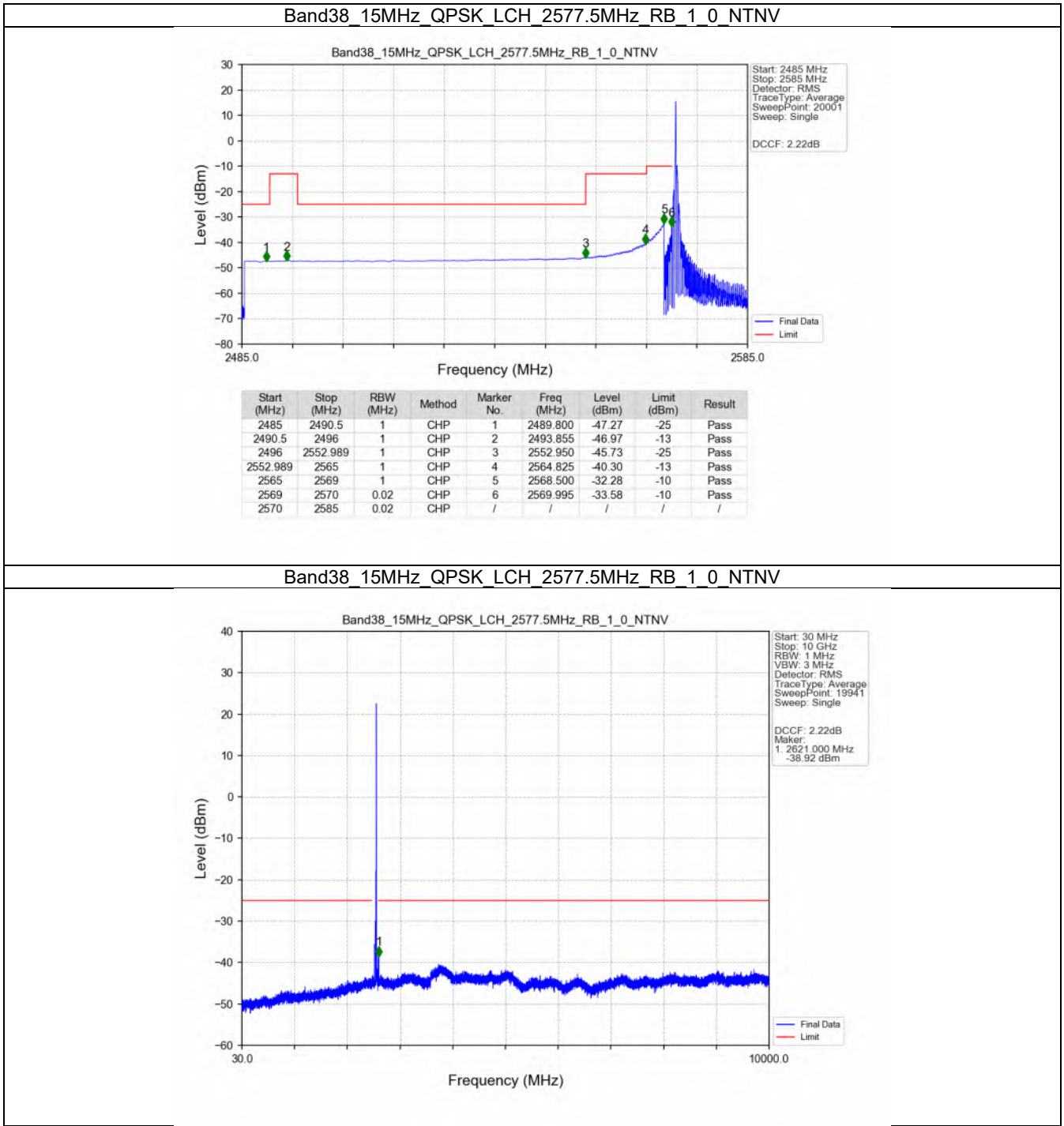
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2610	2620	0.02	CHP	/	/	/	/	/
2620	2621	0.02	CHP	1	2620.010	-35.78	-10	Pass
2621	2625	1	CHP	2	2621.500	-32.42	-10	Pass
2625	2630.487	1	CHP	3	2625.025	-40.46	-13	Pass
2630.487	2635	1	CHP	4	2630.490	-44.48	-25	Pass

Band38_10MHz_QPSK_HCH_2615MHz_RB_50_0_NTNV

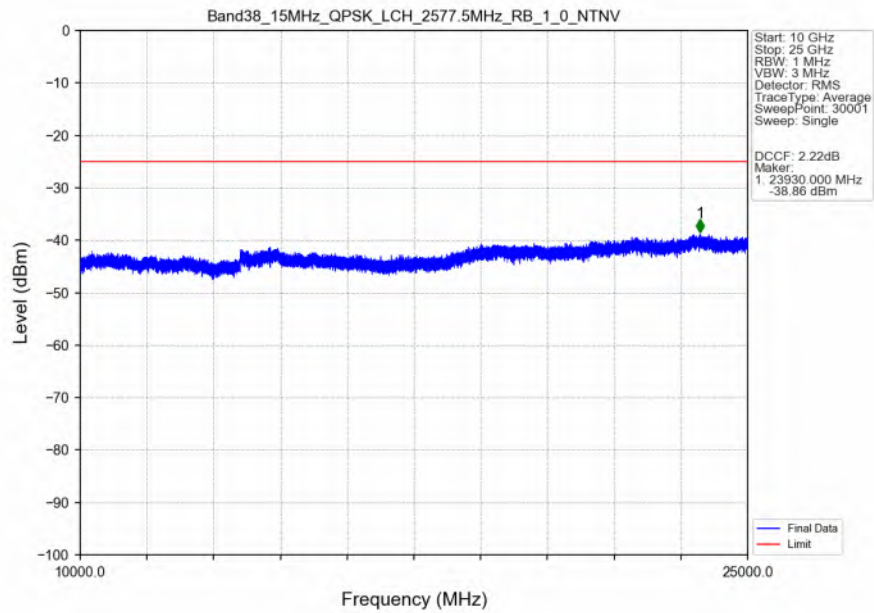


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2610	2620	0.21	CHP	/	/	/	/	/
2620	2621	0.21	CHP	1	2620.025	-29.46	-10	Pass
2621	2625	1	CHP	2	2623.675	-30.87	-13	Pass
2625	2631.042	1	CHP	3	2628.000	-30.16	-13	Pass
2631.042	2635	1	CHP	4	2632.325	-36.42	-25	Pass

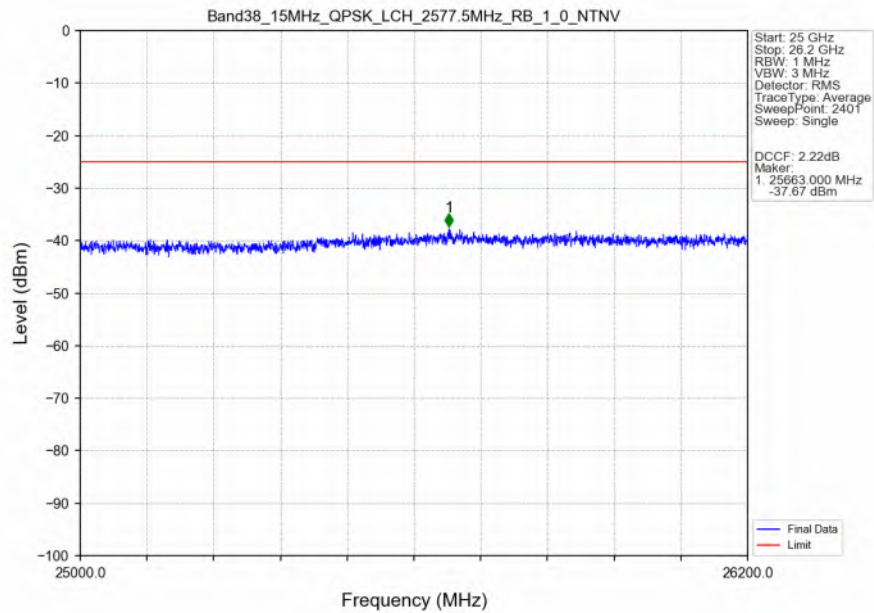
5.2.3 B38_15MHz



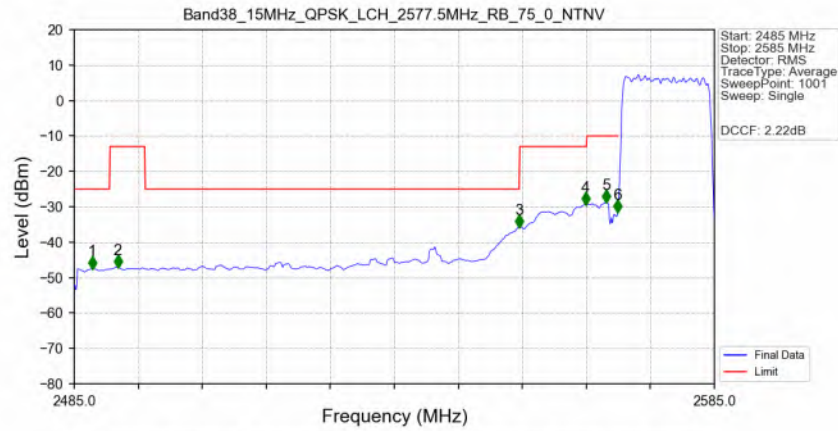
Band38_15MHz_QPSK_LCH_2577.5MHz_RB_1_0_NTNV



Band38_15MHz_QPSK_LCH_2577.5MHz_RB_1_0_NTNV

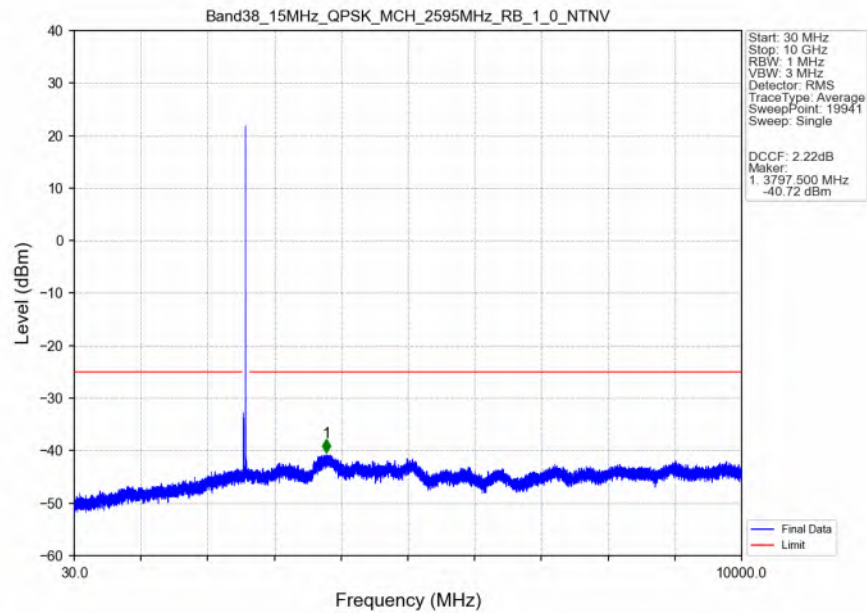


Band38 15MHz QPSK LCH 2577.5MHz RB 75 0 NTNV

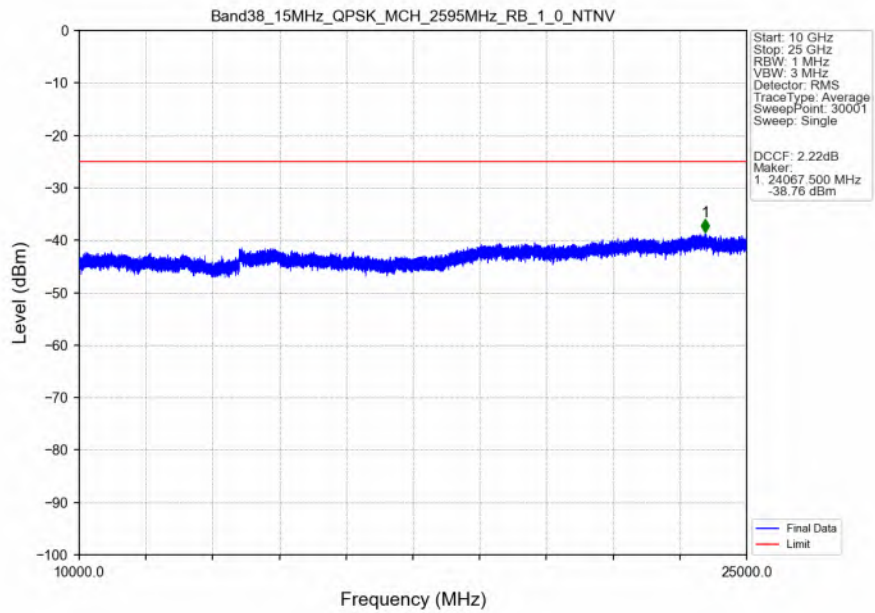


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2487.800	-47.34	-25	Pass
2490.5	2496	1	CHP	2	2491.800	-47.04	-13	Pass
2496	2554.593	1	CHP	3	2554.500	-35.68	-25	Pass
2554.593	2565	1	CHP	4	2564.900	-29.28	-13	Pass
2565	2569	1	CHP	5	2568.100	-28.66	-10	Pass
2569	2570	0.348	CHP	6	2569.900	-31.43	-10	Pass
2570	2585	0.348	CHP	/	/	/	/	/

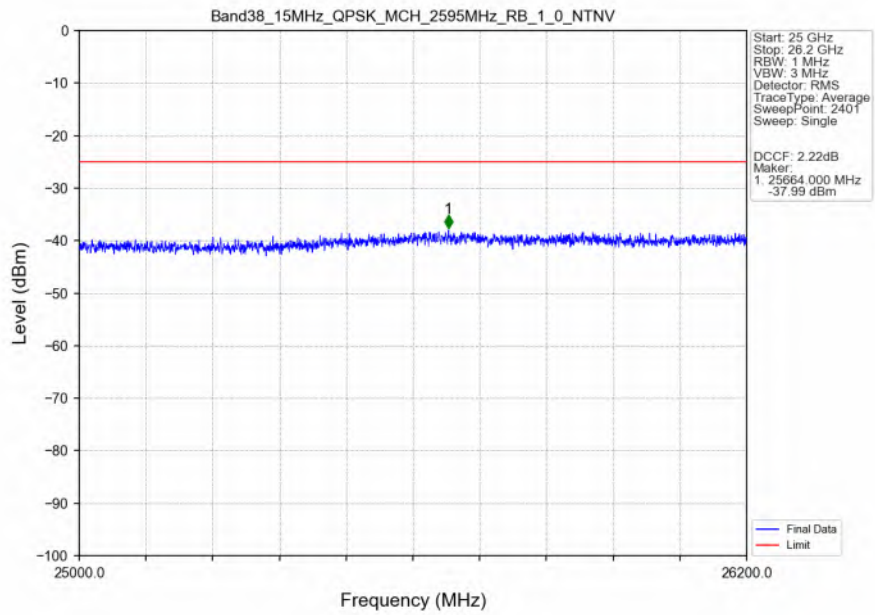
Band38 15MHz QPSK MCH 2595MHz RB 1 0 NTNV



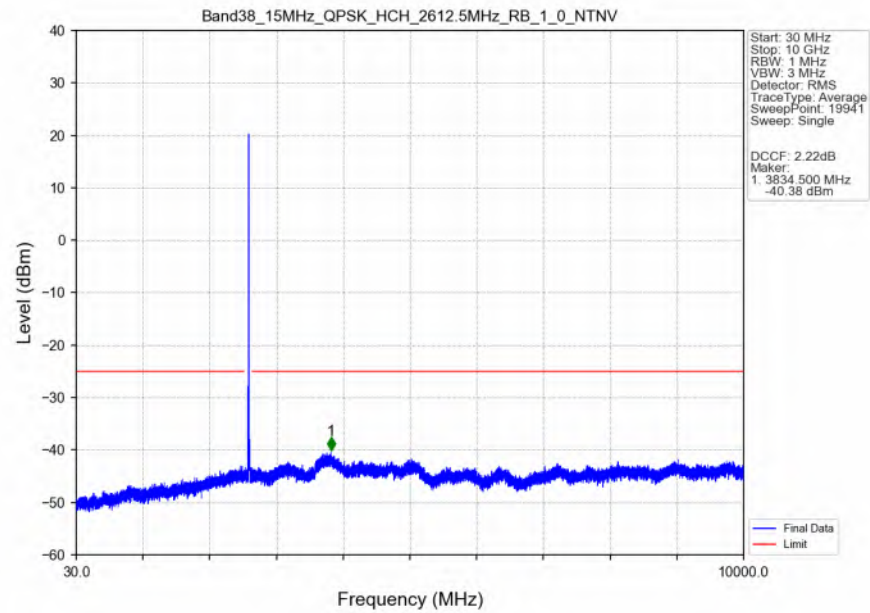
Band38 15MHz QPSK MCH 2595MHz RB 1 0 NTNV



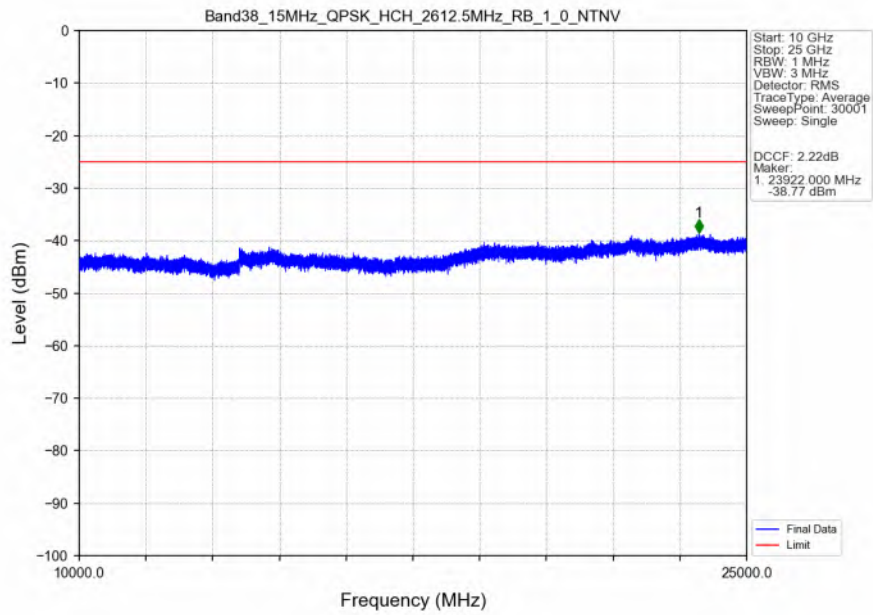
Band38 15MHz QPSK MCH 2595MHz RB 1 0 NTNV



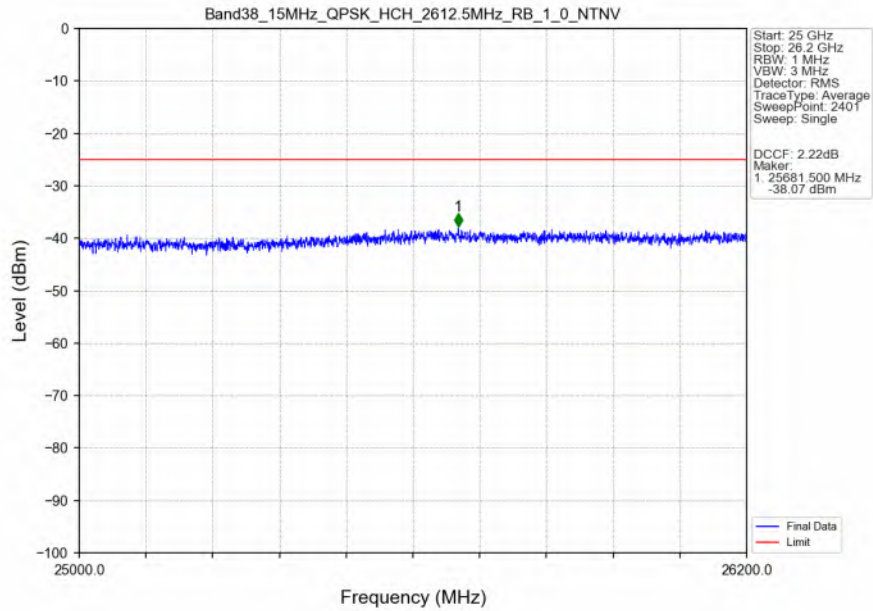
Band38 15MHz QPSK HCH 2612.5MHz RB 1 0 NTV



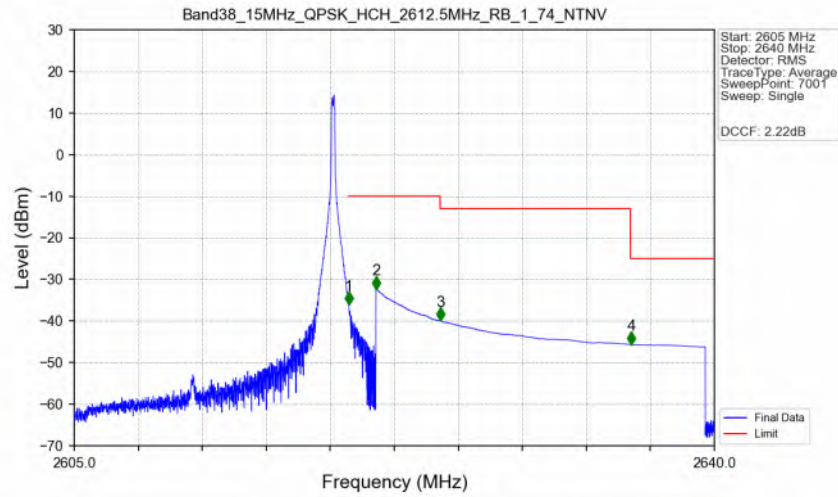
Band38 15MHz QPSK HCH 2612.5MHz RB 1 0 NTV



Band38 15MHz QPSK HCH 2612.5MHz RB 1 0 NTNV

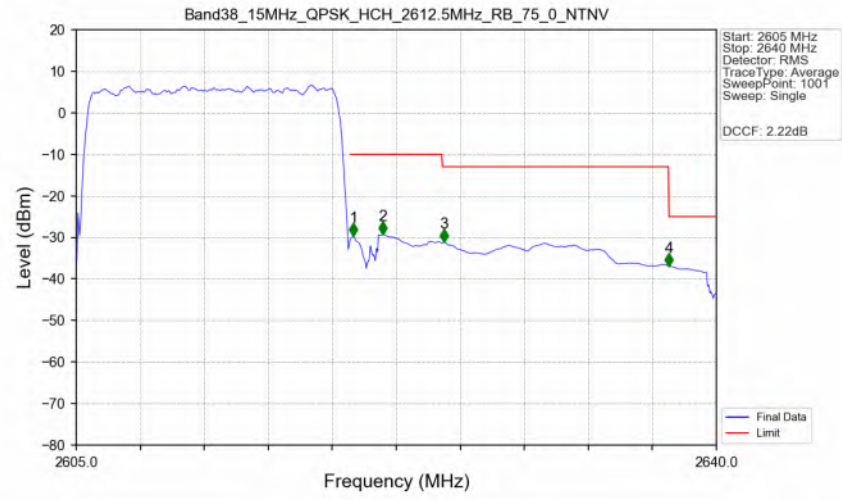


Band38 15MHz QPSK HCH 2612.5MHz RB 1 74 NTNV



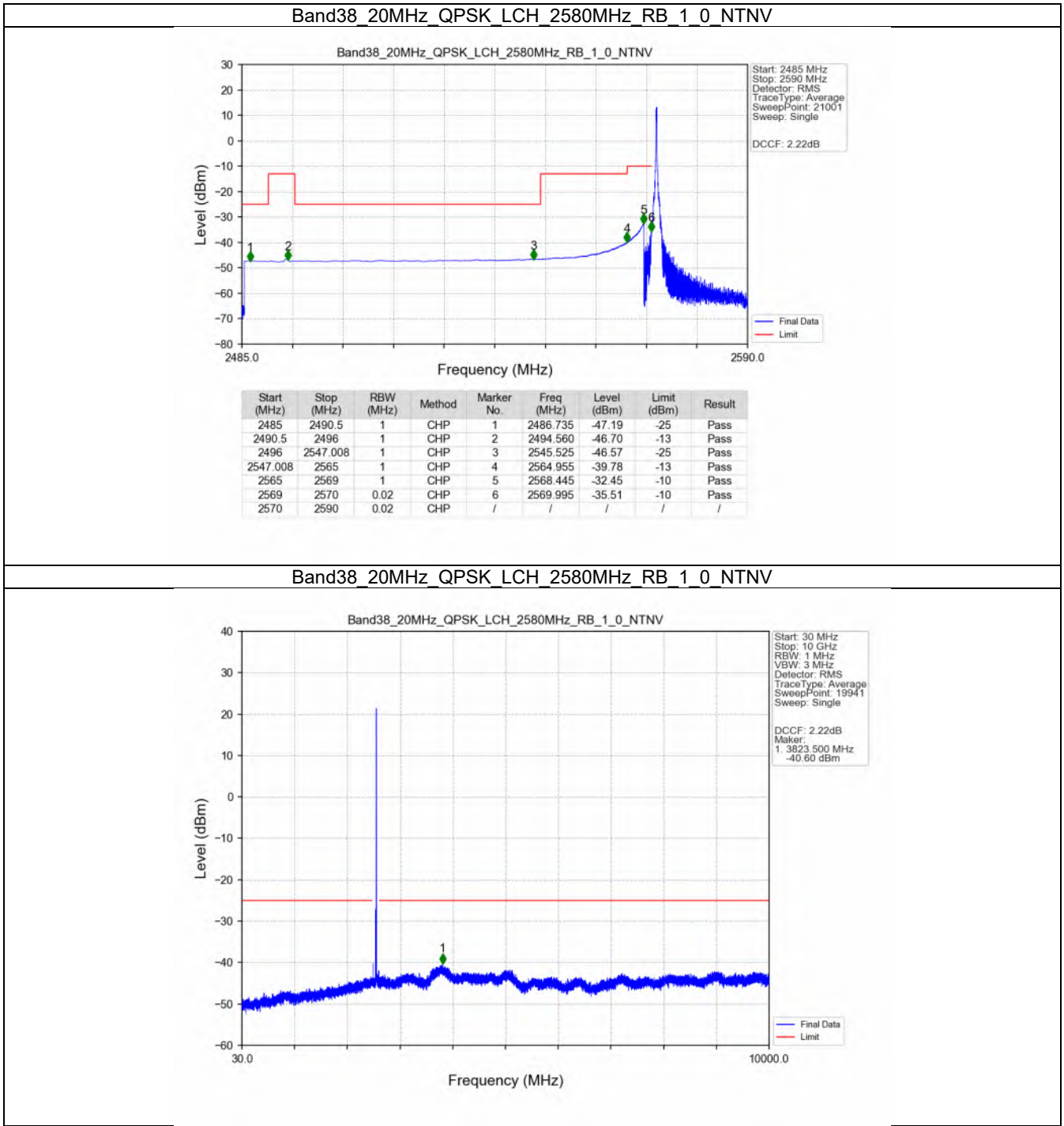
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2605	2620	0.02	CHP	/	/	/	/	/
2620	2621	0.02	CHP	1	2620.005	-36.04	-10	Pass
2621	2625	1	CHP	2	2621.520	-32.33	-10	Pass
2625	2635.407	1	CHP	3	2625.020	-39.91	-13	Pass
2635.407	2640	1	CHP	4	2635.455	-45.63	-25	Pass

Band38 15MHz QPSK HCH 2612.5MHz RB 75 0 NTN

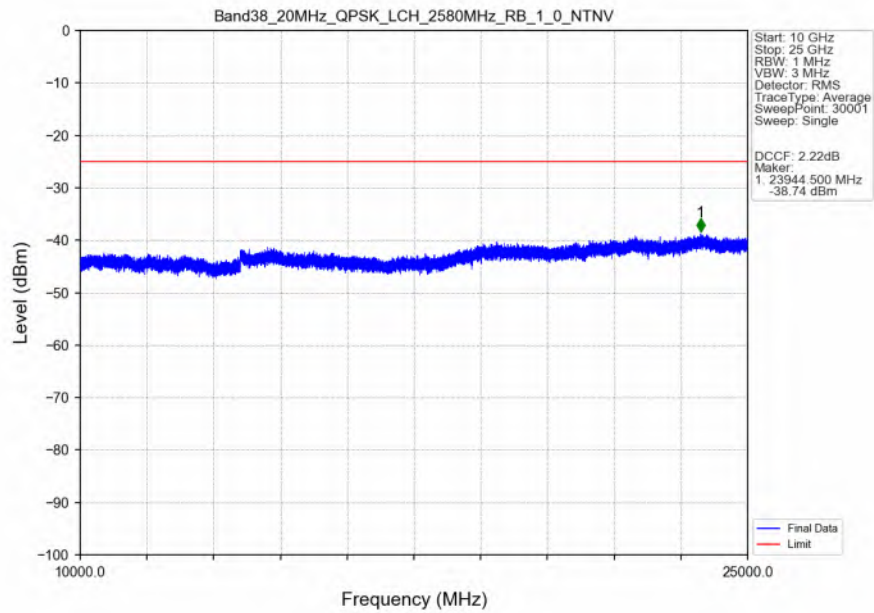


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2605	2620	0.348	CHP	/	/	/	/	/
2620	2621	0.348	CHP	1	2620.155	-29.74	-10	Pass
2621	2625	1	CHP	2	2621.765	-29.32	-10	Pass
2625	2637.397	1	CHP	3	2625.090	-31.11	-13	Pass
2637.397	2640	1	CHP	4	2637.410	-36.94	-25	Pass

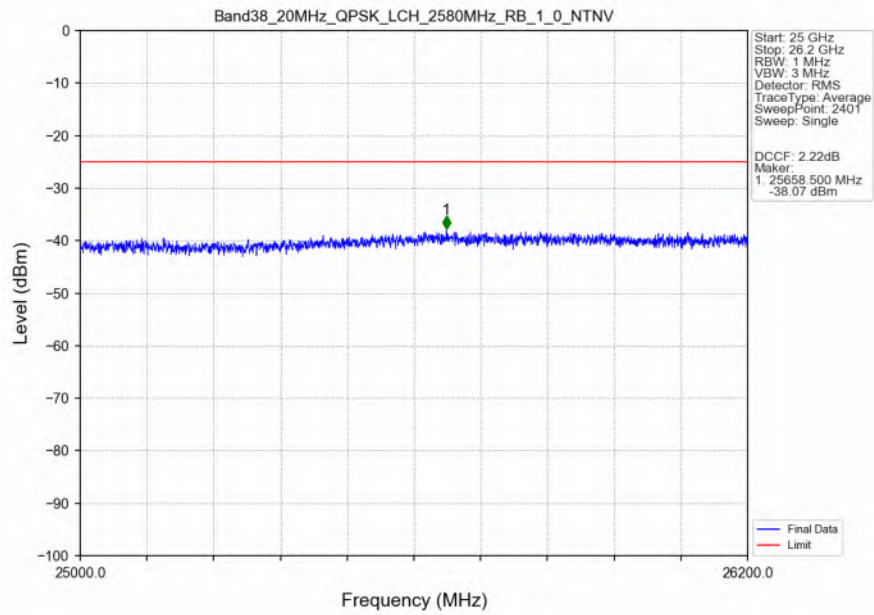
5.2.4 B38_20MHz



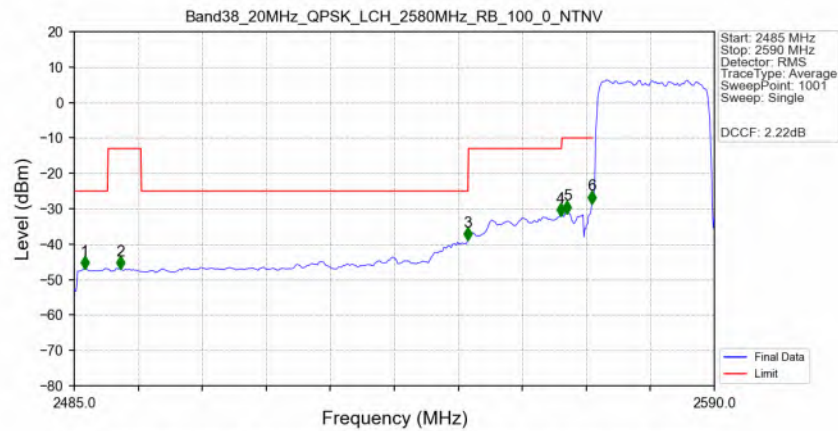
Band38 20MHz QPSK LCH 2580MHz RB 1 0 NTN



Band38 20MHz QPSK LCH 2580MHz RB 1 0 NTN

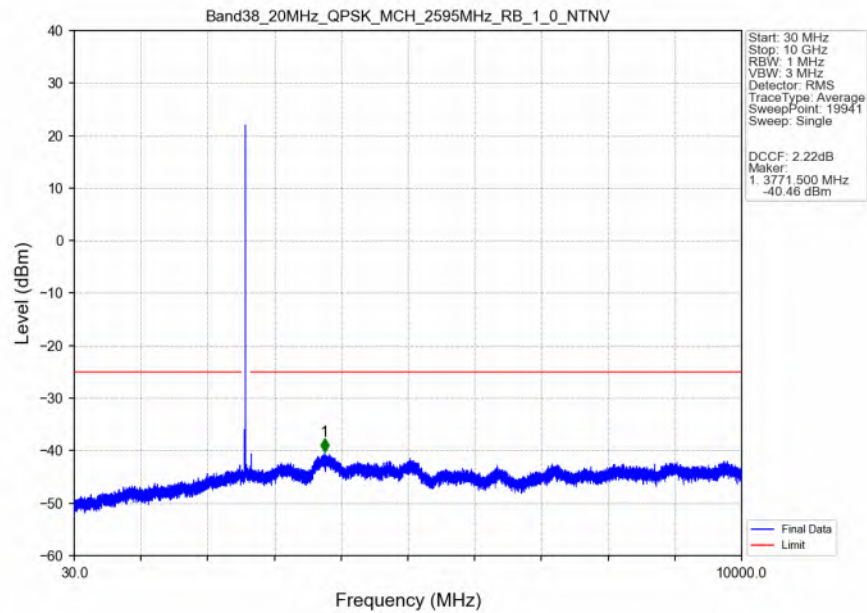


Band38 20MHz QPSK LCH 2580MHz RB 100 0 NTV

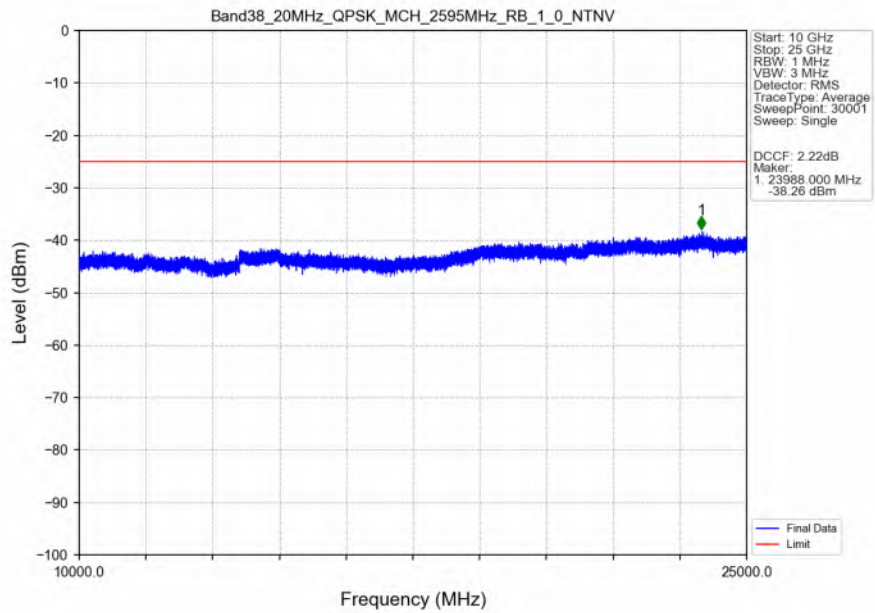


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2486.680	-46.79	-25	Pass
2490.5	2496	1	CHP	2	2492.560	-46.73	-13	Pass
2496	2549.633	1	CHP	3	2549.575	-38.64	-25	Pass
2549.633	2565	1	CHP	4	2564.800	-31.76	-13	Pass
2565	2569	1	CHP	5	2565.850	-31.06	-10	Pass
2569	2570	0.433	CHP	6	2569.945	-28.30	-10	Pass
2570	2590	0.433	CHP	/	/	/	/	/

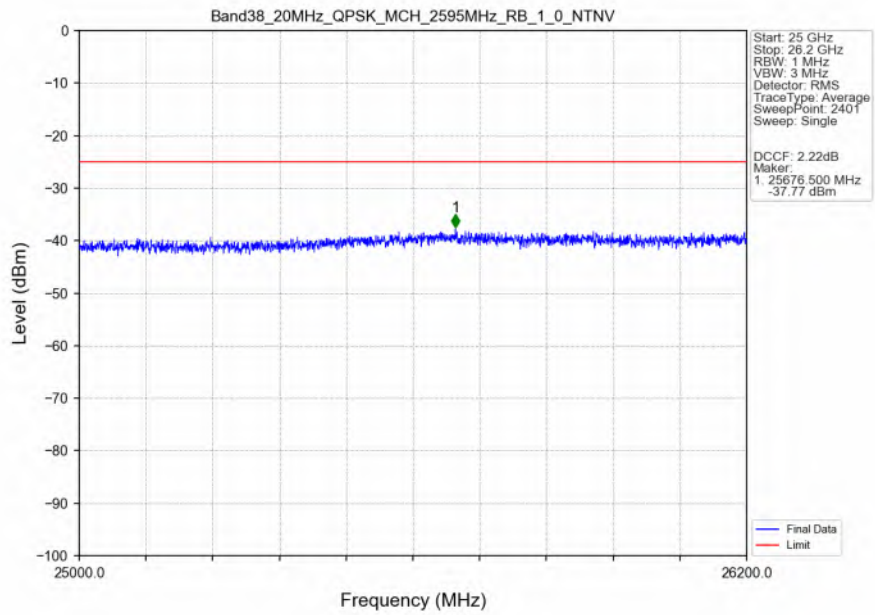
Band38 20MHz QPSK MCH 2595MHz RB 1 0 NTV



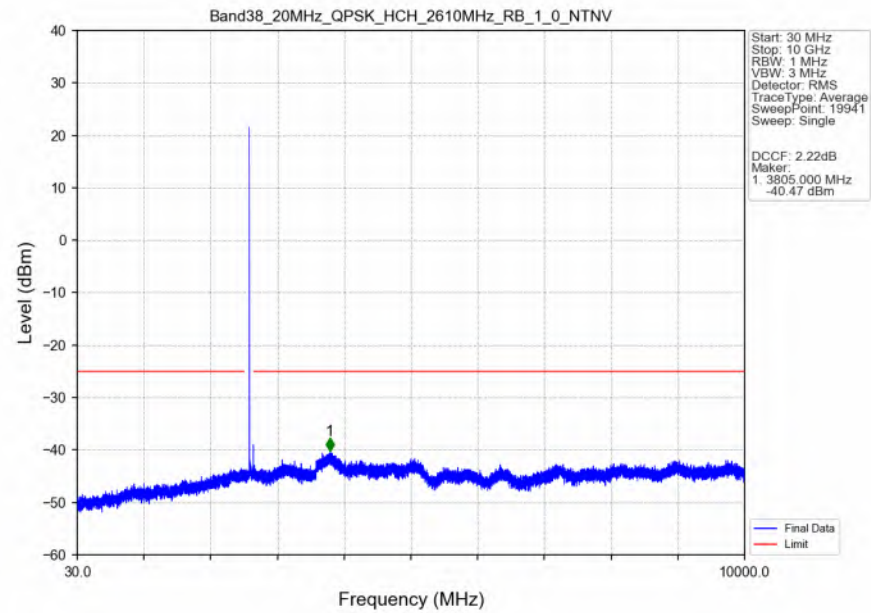
Band38 20MHz QPSK MCH 2595MHz RB 1 0 NTNV



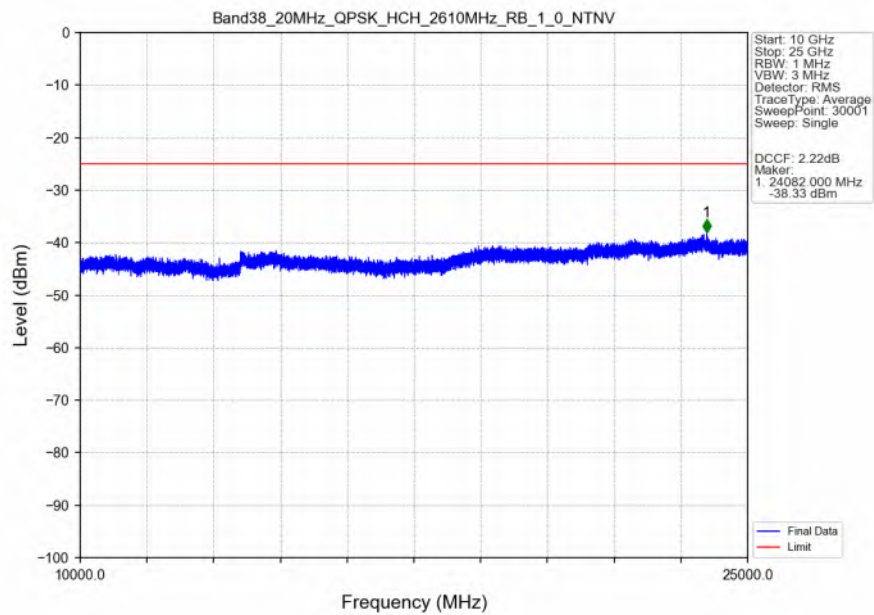
Band38 20MHz QPSK MCH 2595MHz RB 1 0 NTNV



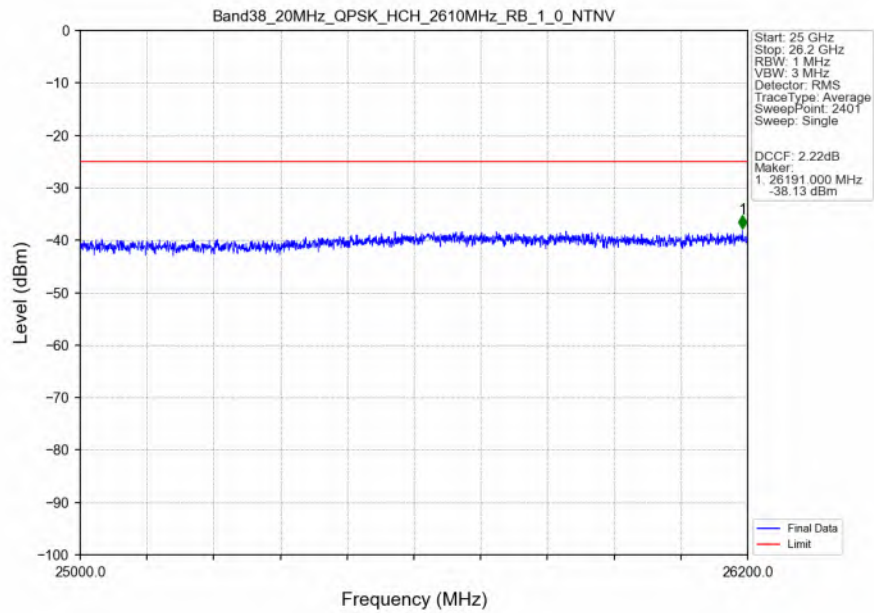
Band38 20MHz QPSK HCH 2610MHz RB 1 0 NTNV



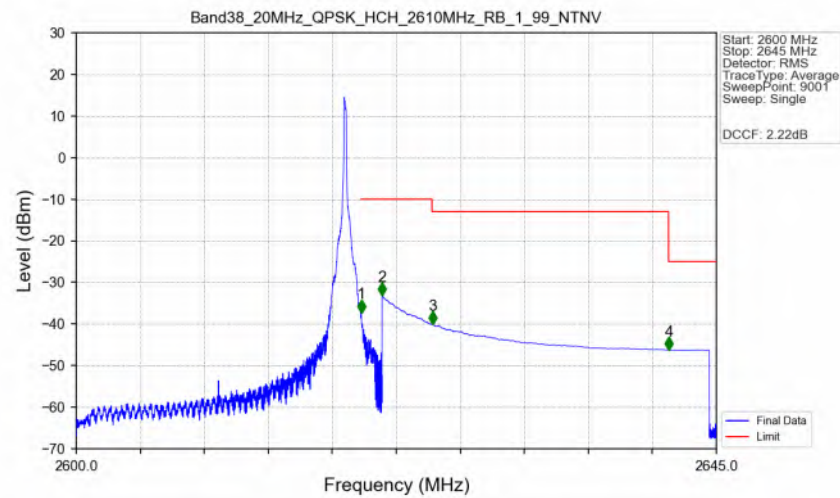
Band38 20MHz QPSK HCH 2610MHz RB 1 0 NTNV



Band38 20MHz QPSK HCH 2610MHz RB 1 0 NTV

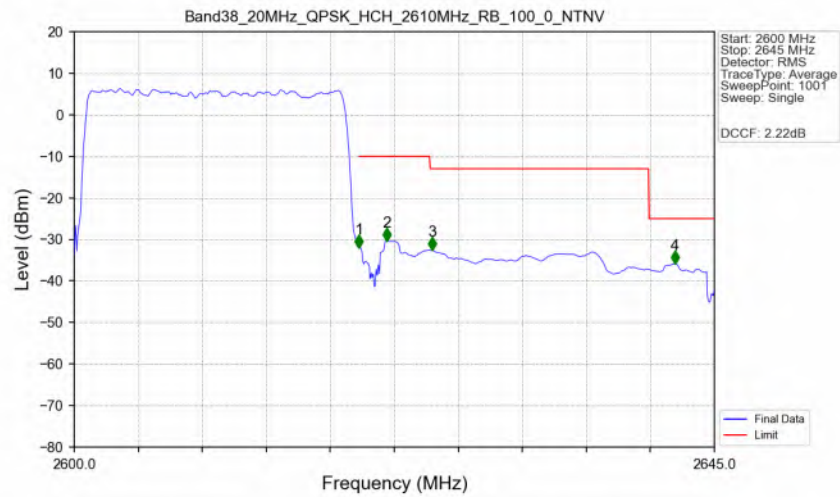


Band38 20MHz QPSK HCH 2610MHz RB 1 99 NTV



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	2620.035	-37.25	-10	Pass
2621	2625	1	CHP	2	2621.500	-33.09	-10	Pass
2625	2641.631	1	CHP	3	2625.065	-40.11	-13	Pass
2641.631	2645	1	CHP	4	2641.665	-46.27	-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	0.433	CHP	/	/	/	/	/
2620	2621	0.433	CHP	1	2620.025	-31.98	-10	Pass
2621	2625	1	CHP	2	2621.960	-30.41	-10	Pass
2625	2640.367	1	CHP	3	2625.155	-32.60	-13	Pass
2640.367	2645	1	CHP	4	2642.210	-35.83	-25	Pass