

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	22.49	-1.45	21.04	<=33.01	Pass
			13	22.51	-1.45	21.06	<=33.01	Pass
			24	22.51	-1.45	21.06	<=33.01	Pass
		12	0	21.60	-1.45	20.15	<=33.01	Pass
			6	21.66	-1.45	20.21	<=33.01	Pass
			13	21.58	-1.45	20.13	<=33.01	Pass
		25	0	21.64	-1.45	20.19	<=33.01	Pass
	2595	1	0	22.61	-1.45	21.16	<=33.01	Pass
			13	22.63	-1.45	21.18	<=33.01	Pass
			24	22.64	-1.45	21.19	<=33.01	Pass
		12	0	21.70	-1.45	20.25	<=33.01	Pass
			6	21.83	-1.45	20.38	<=33.01	Pass
			13	21.77	-1.45	20.32	<=33.01	Pass
		25	0	21.63	-1.45	20.18	<=33.01	Pass
	2617.5	1	0	22.56	-1.45	21.11	<=33.01	Pass
			13	22.88	-1.45	21.43	<=33.01	Pass
			24	22.84	-1.45	21.39	<=33.01	Pass
		12	0	21.89	-1.45	20.44	<=33.01	Pass
			6	21.96	-1.45	20.51	<=33.01	Pass
			13	21.90	-1.45	20.45	<=33.01	Pass
		25	0	21.92	-1.45	20.47	<=33.01	Pass
16QAM	2572.5	1	0	21.48	-1.45	20.03	<=33.01	Pass
			13	21.50	-1.45	20.05	<=33.01	Pass
			24	21.37	-1.45	19.92	<=33.01	Pass
		12	0	20.59	-1.45	19.14	<=33.01	Pass
			6	20.36	-1.45	18.91	<=33.01	Pass
			13	20.42	-1.45	18.97	<=33.01	Pass
		25	0	20.43	-1.45	18.98	<=33.01	Pass
	2595	1	0	21.50	-1.45	20.05	<=33.01	Pass
			13	21.54	-1.45	20.09	<=33.01	Pass
			24	21.53	-1.45	20.08	<=33.01	Pass
		12	0	20.49	-1.45	19.04	<=33.01	Pass
			6	20.59	-1.45	19.14	<=33.01	Pass
			13	20.31	-1.45	18.86	<=33.01	Pass
		25	0	20.47	-1.45	19.02	<=33.01	Pass
	2617.5	1	0	21.78	-1.45	20.33	<=33.01	Pass
			13	21.77	-1.45	20.32	<=33.01	Pass
			24	21.79	-1.45	20.34	<=33.01	Pass
		12	0	20.84	-1.45	19.39	<=33.01	Pass
			6	20.92	-1.45	19.47	<=33.01	Pass
			13	20.62	-1.45	19.17	<=33.01	Pass
		25	0	20.93	-1.45	19.48	<=33.01	Pass
64QAM	2572.5	1	0	21.39	-1.45	19.94	<=33.01	Pass
			13	21.23	-1.45	19.78	<=33.01	Pass
			24	21.16	-1.45	19.71	<=33.01	Pass
		12	0	20.40	-1.45	18.95	<=33.01	Pass
			6	20.56	-1.45	19.11	<=33.01	Pass
			13	20.45	-1.45	19.00	<=33.01	Pass
		25	0	20.44	-1.45	18.99	<=33.01	Pass

	2595	1	0	21.53	-1.45	20.08	<=33.01	Pass
			13	21.72	-1.45	20.27	<=33.01	Pass
			24	21.46	-1.45	20.01	<=33.01	Pass
		12	0	20.49	-1.45	19.04	<=33.01	Pass
			6	20.72	-1.45	19.27	<=33.01	Pass
			13	20.53	-1.45	19.08	<=33.01	Pass
		25	0	20.42	-1.45	18.97	<=33.01	Pass
	2617.5	1	0	21.76	-1.45	20.31	<=33.01	Pass
			13	21.50	-1.45	20.05	<=33.01	Pass
			24	21.60	-1.45	20.15	<=33.01	Pass
		12	0	20.88	-1.45	19.43	<=33.01	Pass
			6	20.86	-1.45	19.41	<=33.01	Pass
			13	20.90	-1.45	19.45	<=33.01	Pass
		25	0	20.93	-1.45	19.48	<=33.01	Pass
256QAM	2572.5	1	0	17.59	-1.45	16.14	<=33.01	Pass
			13	17.56	-1.45	16.11	<=33.01	Pass
			24	17.41	-1.45	15.96	<=33.01	Pass
		12	0	17.64	-1.45	16.19	<=33.01	Pass
			6	17.61	-1.45	16.16	<=33.01	Pass
			13	17.49	-1.45	16.04	<=33.01	Pass
		25	0	17.54	-1.45	16.09	<=33.01	Pass
	2595	1	0	17.26	-1.45	15.81	<=33.01	Pass
			13	17.72	-1.45	16.27	<=33.01	Pass
			24	17.47	-1.45	16.02	<=33.01	Pass
		12	0	17.76	-1.45	16.31	<=33.01	Pass
			6	17.87	-1.45	16.42	<=33.01	Pass
			13	17.65	-1.45	16.20	<=33.01	Pass
		25	0	17.64	-1.45	16.19	<=33.01	Pass
	2617.5	1	0	17.83	-1.45	16.38	<=33.01	Pass
			13	17.90	-1.45	16.45	<=33.01	Pass
			24	17.67	-1.45	16.22	<=33.01	Pass
		12	0	17.96	-1.45	16.51	<=33.01	Pass
			6	17.99	-1.45	16.54	<=33.01	Pass
			13	17.89	-1.45	16.44	<=33.01	Pass
		25	0	17.96	-1.45	16.51	<=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	22.37	-1.45	20.92	<=33.01	Pass
			25	22.55	-1.45	21.10	<=33.01	Pass
			49	22.51	-1.45	21.06	<=33.01	Pass
		25	0	21.68	-1.45	20.23	<=33.01	Pass
			13	21.68	-1.45	20.23	<=33.01	Pass
			25	21.65	-1.45	20.20	<=33.01	Pass
		50	0	21.69	-1.45	20.24	<=33.01	Pass
	2595	1	0	22.71	-1.45	21.26	<=33.01	Pass
			25	22.77	-1.45	21.32	<=33.01	Pass
			49	22.80	-1.45	21.35	<=33.01	Pass
		25	0	21.77	-1.45	20.32	<=33.01	Pass
			13	21.78	-1.45	20.33	<=33.01	Pass
			25	21.76	-1.45	20.31	<=33.01	Pass
		50	0	21.77	-1.45	20.32	<=33.01	Pass
	2615	1	0	22.90	-1.45	21.45	<=33.01	Pass

			25	22.90	-1.45	21.45	<=33.01	Pass
			49	22.82	-1.45	21.37	<=33.01	Pass
			0	21.99	-1.45	20.54	<=33.01	Pass
		25	13	22.01	-1.45	20.56	<=33.01	Pass
			25	21.98	-1.45	20.53	<=33.01	Pass
		50	0	22.04	-1.45	20.59	<=33.01	Pass
16QAM	2575	1	0	21.41	-1.45	19.96	<=33.01	Pass
			25	21.50	-1.45	20.05	<=33.01	Pass
			49	21.43	-1.45	19.98	<=33.01	Pass
		25	0	20.49	-1.45	19.04	<=33.01	Pass
			13	20.64	-1.45	19.19	<=33.01	Pass
			25	20.58	-1.45	19.13	<=33.01	Pass
		50	0	20.44	-1.45	18.99	<=33.01	Pass
	2595	1	0	21.48	-1.45	20.03	<=33.01	Pass
			25	21.67	-1.45	20.22	<=33.01	Pass
			49	21.49	-1.45	20.04	<=33.01	Pass
		25	0	20.64	-1.45	19.19	<=33.01	Pass
			13	20.60	-1.45	19.15	<=33.01	Pass
			25	20.56	-1.45	19.11	<=33.01	Pass
		50	0	20.76	-1.45	19.31	<=33.01	Pass
	2615	1	0	21.89	-1.45	20.44	<=33.01	Pass
			25	21.67	-1.45	20.22	<=33.01	Pass
			49	21.90	-1.45	20.45	<=33.01	Pass
		25	0	20.97	-1.45	19.52	<=33.01	Pass
			13	21.00	-1.45	19.55	<=33.01	Pass
			25	20.97	-1.45	19.52	<=33.01	Pass
		50	0	20.96	-1.45	19.51	<=33.01	Pass
64QAM	2575	1	0	21.31	-1.45	19.86	<=33.01	Pass
			25	21.22	-1.45	19.77	<=33.01	Pass
			49	21.32	-1.45	19.87	<=33.01	Pass
		25	0	20.53	-1.45	19.08	<=33.01	Pass
			13	20.49	-1.45	19.04	<=33.01	Pass
			25	20.53	-1.45	19.08	<=33.01	Pass
		50	0	20.66	-1.45	19.21	<=33.01	Pass
	2595	1	0	21.62	-1.45	20.17	<=33.01	Pass
			25	21.33	-1.45	19.88	<=33.01	Pass
			49	21.41	-1.45	19.96	<=33.01	Pass
		25	0	12.85	-1.45	11.40	<=33.01	Pass
			13	20.80	-1.45	19.35	<=33.01	Pass
			25	20.56	-1.45	19.11	<=33.01	Pass
		50	0	20.75	-1.45	19.30	<=33.01	Pass
	2615	1	0	21.70	-1.45	20.25	<=33.01	Pass
			25	21.75	-1.45	20.30	<=33.01	Pass
			49	21.69	-1.45	20.24	<=33.01	Pass
		25	0	20.94	-1.45	19.49	<=33.01	Pass
			13	20.95	-1.45	19.50	<=33.01	Pass
			25	20.92	-1.45	19.47	<=33.01	Pass
		50	0	20.99	-1.45	19.54	<=33.01	Pass
256QAM	2575	1	0	17.30	-1.45	15.85	<=33.01	Pass
			25	17.65	-1.45	16.20	<=33.01	Pass
			49	17.42	-1.45	15.97	<=33.01	Pass
		25	0	17.66	-1.45	16.21	<=33.01	Pass
			13	17.72	-1.45	16.27	<=33.01	Pass
			25	17.63	-1.45	16.18	<=33.01	Pass
		50	0	17.77	-1.45	16.32	<=33.01	Pass
	2595	1	0	17.77	-1.45	16.32	<=33.01	Pass
			25	17.83	-1.45	16.38	<=33.01	Pass
			49	17.54	-1.45	16.09	<=33.01	Pass
		25	0	17.75	-1.45	16.30	<=33.01	Pass

			13	17.76	-1.45	16.31	<=33.01	Pass
			25	17.62	-1.45	16.17	<=33.01	Pass
		50	0	17.86	-1.45	16.41	<=33.01	Pass
	2615	1	0	17.68	-1.45	16.23	<=33.01	Pass
			25	17.74	-1.45	16.29	<=33.01	Pass
			49	17.73	-1.45	16.28	<=33.01	Pass
		25	0	17.98	-1.45	16.53	<=33.01	Pass
			13	17.98	-1.45	16.53	<=33.01	Pass
			25	17.97	-1.45	16.52	<=33.01	Pass
		50	0	17.81	-1.45	16.36	<=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	22.38	-1.45	20.93	<=33.01	Pass
			38	22.35	-1.45	20.90	<=33.01	Pass
			74	22.29	-1.45	20.84	<=33.01	Pass
		36	0	21.51	-1.45	20.06	<=33.01	Pass
			18	21.52	-1.45	20.07	<=33.01	Pass
			39	21.48	-1.45	20.03	<=33.01	Pass
		75	0	21.54	-1.45	20.09	<=33.01	Pass
	2595	1	0	22.48	-1.45	21.03	<=33.01	Pass
			38	22.56	-1.45	21.11	<=33.01	Pass
			74	22.47	-1.45	21.02	<=33.01	Pass
		36	0	21.60	-1.45	20.15	<=33.01	Pass
			18	21.58	-1.45	20.13	<=33.01	Pass
			39	21.57	-1.45	20.12	<=33.01	Pass
		75	0	21.61	-1.45	20.16	<=33.01	Pass
	2612.5	1	0	22.66	-1.45	21.21	<=33.01	Pass
			38	22.57	-1.45	21.12	<=33.01	Pass
			74	22.62	-1.45	21.17	<=33.01	Pass
		36	0	21.77	-1.45	20.32	<=33.01	Pass
			18	21.81	-1.45	20.36	<=33.01	Pass
			39	21.82	-1.45	20.37	<=33.01	Pass
		75	0	21.78	-1.45	20.33	<=33.01	Pass
16QAM	2577.5	1	0	21.25	-1.45	19.80	<=33.01	Pass
			38	21.20	-1.45	19.75	<=33.01	Pass
			74	21.19	-1.45	19.74	<=33.01	Pass
		36	0	20.55	-1.45	19.10	<=33.01	Pass
			18	20.36	-1.45	18.91	<=33.01	Pass
			39	20.49	-1.45	19.04	<=33.01	Pass
		75	0	20.45	-1.45	19.00	<=33.01	Pass
	2595	1	0	21.44	-1.45	19.99	<=33.01	Pass
			38	21.56	-1.45	20.11	<=33.01	Pass
			74	21.51	-1.45	20.06	<=33.01	Pass
		36	0	20.58	-1.45	19.13	<=33.01	Pass
			18	20.34	-1.45	18.89	<=33.01	Pass
			39	20.56	-1.45	19.11	<=33.01	Pass
		75	0	20.59	-1.45	19.14	<=33.01	Pass
	2612.5	1	0	21.52	-1.45	20.07	<=33.01	Pass
			38	21.57	-1.45	20.12	<=33.01	Pass
			74	21.55	-1.45	20.10	<=33.01	Pass
		36	0	20.78	-1.45	19.33	<=33.01	Pass
			18	20.69	-1.45	19.24	<=33.01	Pass

			39	20.69	-1.45	19.24	<=33.01	Pass	
		75	0	20.79	-1.45	19.34	<=33.01	Pass	
64QAM	2577.5	1	0	21.16	-1.45	19.71	<=33.01	Pass	
			38	21.27	-1.45	19.82	<=33.01	Pass	
			74	21.09	-1.45	19.64	<=33.01	Pass	
			0	20.47	-1.45	19.02	<=33.01	Pass	
		36	18	20.41	-1.45	18.96	<=33.01	Pass	
			39	20.51	-1.45	19.06	<=33.01	Pass	
			75	0	20.50	-1.45	19.05	<=33.01	Pass
		2595	1	0	20.43	-1.45	18.98	<=33.01	Pass
				38	20.66	-1.45	19.21	<=33.01	Pass
				74	20.40	-1.45	18.95	<=33.01	Pass
	0			19.44	-1.45	17.99	<=33.01	Pass	
	36		18	19.60	-1.45	18.15	<=33.01	Pass	
			39	19.59	-1.45	18.14	<=33.01	Pass	
			75	0	19.57	-1.45	18.12	<=33.01	Pass
	2612.5		1	0	20.46	-1.45	19.01	<=33.01	Pass
		38		20.58	-1.45	19.13	<=33.01	Pass	
		74		20.65	-1.45	19.20	<=33.01	Pass	
		0		19.76	-1.45	18.31	<=33.01	Pass	
		36	18	19.58	-1.45	18.13	<=33.01	Pass	
			39	19.69	-1.45	18.24	<=33.01	Pass	
			75	0	19.54	-1.45	18.09	<=33.01	Pass
		256QAM	2577.5	1	0	17.33	-1.45	15.88	<=33.01
	38				17.41	-1.45	15.96	<=33.01	Pass
74	17.47				-1.45	16.02	<=33.01	Pass	
36	0			17.59	-1.45	16.14	<=33.01	Pass	
	18			17.42	-1.45	15.97	<=33.01	Pass	
	39			17.48	-1.45	16.03	<=33.01	Pass	
75	0			17.53	-1.45	16.08	<=33.01	Pass	
2595	1		0	17.55	-1.45	16.10	<=33.01	Pass	
			38	17.48	-1.45	16.03	<=33.01	Pass	
			74	17.69	-1.45	16.24	<=33.01	Pass	
	36		0	17.63	-1.45	16.18	<=33.01	Pass	
			18	17.59	-1.45	16.14	<=33.01	Pass	
			39	17.55	-1.45	16.10	<=33.01	Pass	
2612.5	1		0	17.57	-1.45	16.12	<=33.01	Pass	
			0	17.70	-1.45	16.25	<=33.01	Pass	
			38	17.79	-1.45	16.34	<=33.01	Pass	
	36		74	17.76	-1.45	16.31	<=33.01	Pass	
			0	17.71	-1.45	16.26	<=33.01	Pass	
			18	17.83	-1.45	16.38	<=33.01	Pass	
	39		17.84	-1.45	16.39	<=33.01	Pass		
	75		0	17.82	-1.45	16.37	<=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	21.98	-1.45	20.53	<=33.01	Pass
			50	22.37	-1.45	20.92	<=33.01	Pass
			99	22.27	-1.45	20.82	<=33.01	Pass
		50	0	21.56	-1.45	20.11	<=33.01	Pass
			25	21.55	-1.45	20.10	<=33.01	Pass
			50	21.52	-1.45	20.07	<=33.01	Pass

		100	0	21.53	-1.45	20.08	<=33.01	Pass
	2595	1	0	22.52	-1.45	21.07	<=33.01	Pass
			50	22.53	-1.45	21.08	<=33.01	Pass
			99	22.53	-1.45	21.08	<=33.01	Pass
			0	21.64	-1.45	20.19	<=33.01	Pass
		25	21.54	-1.45	20.09	<=33.01	Pass	
		50	21.59	-1.45	20.14	<=33.01	Pass	
	100	0	21.56	-1.45	20.11	<=33.01	Pass	
	2610	1	0	22.59	-1.45	21.14	<=33.01	Pass
			50	22.60	-1.45	21.15	<=33.01	Pass
			99	22.51	-1.45	21.06	<=33.01	Pass
		50	0	21.82	-1.45	20.37	<=33.01	Pass
			25	21.88	-1.45	20.43	<=33.01	Pass
			50	21.85	-1.45	20.40	<=33.01	Pass
	100	0	21.85	-1.45	20.40	<=33.01	Pass	
16QAM	2580	1	0	21.28	-1.45	19.83	<=33.01	Pass
			50	21.35	-1.45	19.90	<=33.01	Pass
			99	21.33	-1.45	19.88	<=33.01	Pass
		50	0	20.54	-1.45	19.09	<=33.01	Pass
			25	20.33	-1.45	18.88	<=33.01	Pass
			50	20.42	-1.45	18.97	<=33.01	Pass
		100	0	20.48	-1.45	19.03	<=33.01	Pass
	2595	1	0	21.43	-1.45	19.98	<=33.01	Pass
			50	21.43	-1.45	19.98	<=33.01	Pass
			99	21.15	-1.45	19.70	<=33.01	Pass
		50	0	20.59	-1.45	19.14	<=33.01	Pass
			25	20.54	-1.45	19.09	<=33.01	Pass
			50	20.59	-1.45	19.14	<=33.01	Pass
		100	0	20.50	-1.45	19.05	<=33.01	Pass
	2610	1	0	21.50	-1.45	20.05	<=33.01	Pass
			50	21.27	-1.45	19.82	<=33.01	Pass
			99	21.51	-1.45	20.06	<=33.01	Pass
		50	0	20.85	-1.45	19.40	<=33.01	Pass
			25	20.80	-1.45	19.35	<=33.01	Pass
			50	20.83	-1.45	19.38	<=33.01	Pass
		100	0	20.80	-1.45	19.35	<=33.01	Pass
64QAM	2580	1	0	19.95	-1.45	18.50	<=33.01	Pass
			50	20.11	-1.45	18.66	<=33.01	Pass
			99	20.19	-1.45	18.74	<=33.01	Pass
		50	0	19.55	-1.45	18.10	<=33.01	Pass
			25	19.54	-1.45	18.09	<=33.01	Pass
			50	19.35	-1.45	17.90	<=33.01	Pass
		100	0	19.50	-1.45	18.05	<=33.01	Pass
	2595	1	0	21.57	-1.45	20.12	<=33.01	Pass
			50	21.46	-1.45	20.01	<=33.01	Pass
			99	21.42	-1.45	19.97	<=33.01	Pass
		50	0	20.61	-1.45	19.16	<=33.01	Pass
			25	20.28	-1.45	18.83	<=33.01	Pass
			50	20.57	-1.45	19.12	<=33.01	Pass
		100	0	20.58	-1.45	19.13	<=33.01	Pass
	2610	1	0	21.43	-1.45	19.98	<=33.01	Pass
			50	21.42	-1.45	19.97	<=33.01	Pass
			99	21.43	-1.45	19.98	<=33.01	Pass
		50	0	20.80	-1.45	19.35	<=33.01	Pass
			25	20.82	-1.45	19.37	<=33.01	Pass
			50	20.83	-1.45	19.38	<=33.01	Pass
		100	0	20.83	-1.45	19.38	<=33.01	Pass
256QAM	2580	1	0	17.41	-1.45	15.96	<=33.01	Pass
			50	17.51	-1.45	16.06	<=33.01	Pass

			99	17.29	-1.45	15.84	<=33.01	Pass
		50	0	17.56	-1.45	16.11	<=33.01	Pass
			25	17.40	-1.45	15.95	<=33.01	Pass
			50	17.44	-1.45	15.99	<=33.01	Pass
		100	0	17.53	-1.45	16.08	<=33.01	Pass
	2595	1	0	17.32	-1.45	15.87	<=33.01	Pass
			50	17.53	-1.45	16.08	<=33.01	Pass
			99	17.48	-1.45	16.03	<=33.01	Pass
		50	0	17.65	-1.45	16.20	<=33.01	Pass
			25	17.62	-1.45	16.17	<=33.01	Pass
			50	17.61	-1.45	16.16	<=33.01	Pass
		100	0	17.61	-1.45	16.16	<=33.01	Pass
		2610	1	0	17.65	-1.45	16.20	<=33.01
	50			17.70	-1.45	16.25	<=33.01	Pass
	99			17.67	-1.45	16.22	<=33.01	Pass
	50		0	17.82	-1.45	16.37	<=33.01	Pass
			25	17.88	-1.45	16.43	<=33.01	Pass
			50	17.71	-1.45	16.26	<=33.01	Pass
	100		0	17.84	-1.45	16.39	<=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	-0.700	-0.0003	-2.5 to 2.5	Pass
					NV	-0.500	-0.0002	-2.5 to 2.5	Pass
					HV	-2.000	-0.0008	-2.5 to 2.5	Pass
				-30	NV	-0.700	-0.0003	-2.5 to 2.5	Pass
				-20	NV	-0.800	-0.0003	-2.5 to 2.5	Pass
				-10	NV	-0.300	-0.0001	-2.5 to 2.5	Pass
				0	NV	-5.000	-0.0019	-2.5 to 2.5	Pass
				10	NV	1.700	0.0007	-2.5 to 2.5	Pass
				30	NV	2.600	0.0010	-2.5 to 2.5	Pass
				40	NV	-0.900	-0.0003	-2.5 to 2.5	Pass
				50	NV	1.900	0.0007	-2.5 to 2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 Band38_OBW

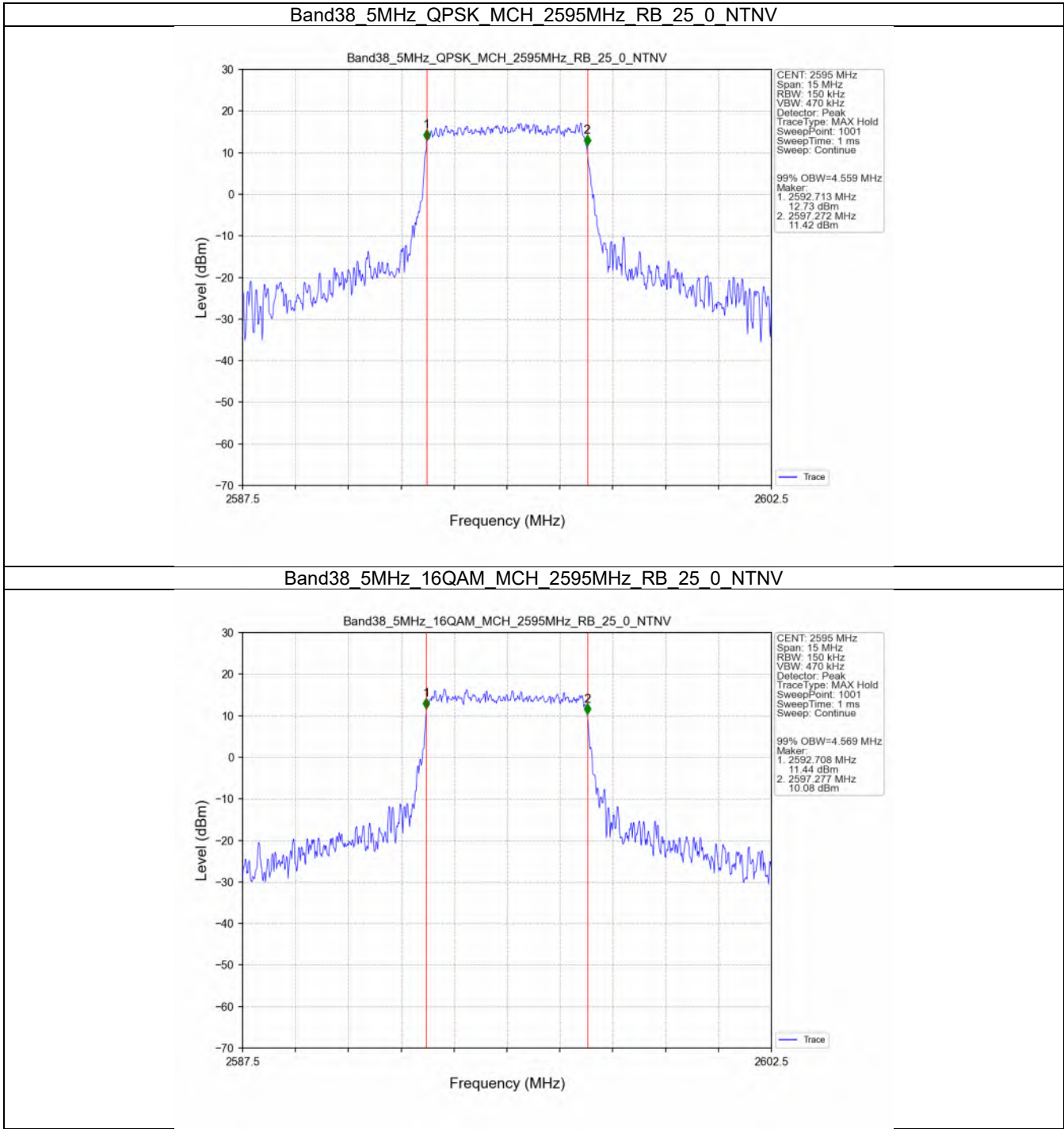
Band: 38 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2595	25	0	4.559	/	Pass
	16QAM	2595	25	0	4.569	/	Pass
	64QAM	2595	25	0	4.553	/	Pass
	256QAM	2595	25	0	4.559	/	Pass
10	QPSK	2595	50	0	9.091	/	Pass
	16QAM	2595	50	0	9.127	/	Pass
	64QAM	2595	50	0	9.078	/	Pass
	256QAM	2595	50	0	9.102	/	Pass
15	QPSK	2595	75	0	13.653	/	Pass
	16QAM	2595	75	0	13.657	/	Pass
	64QAM	2595	75	0	13.645	/	Pass
	256QAM	2595	75	0	13.654	/	Pass
20	QPSK	2595	100	0	18.141	/	Pass
	16QAM	2595	100	0	18.214	/	Pass
	64QAM	2595	100	0	18.207	/	Pass
	256QAM	2595	100	0	18.173	/	Pass

3.1.2 Band38_XDB

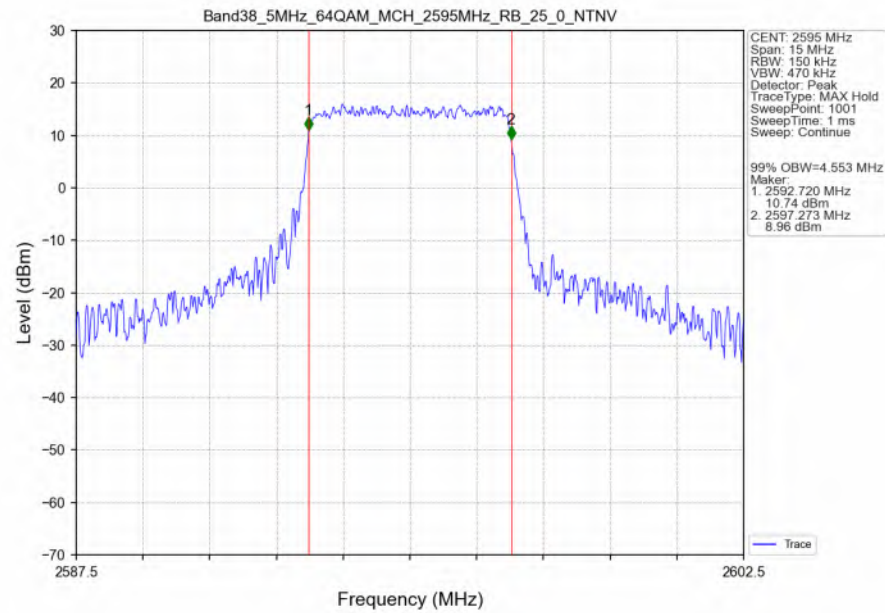
Band: 38 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2595	25	0	5.283	/	Pass
	16QAM	2595	25	0	5.402	/	Pass
	64QAM	2595	25	0	5.582	/	Pass
	256QAM	2595	25	0	5.387	/	Pass
10	QPSK	2595	50	0	10.460	/	Pass
	16QAM	2595	50	0	10.994	/	Pass
	64QAM	2595	50	0	11.771	/	Pass
	256QAM	2595	50	0	11.823	/	Pass
15	QPSK	2595	75	0	15.385	/	Pass
	16QAM	2595	75	0	17.141	/	Pass
	64QAM	2595	75	0	15.613	/	Pass
	256QAM	2595	75	0	16.777	/	Pass
20	QPSK	2595	100	0	21.148	/	Pass
	16QAM	2595	100	0	20.241	/	Pass
	64QAM	2595	100	0	21.211	/	Pass
	256QAM	2595	100	0	20.241	/	Pass

3.2 Test Graph

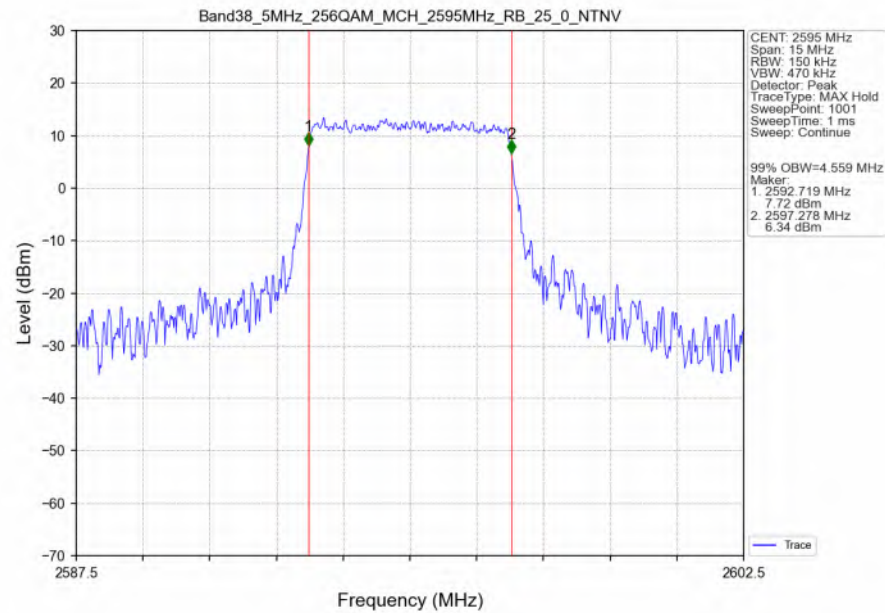
3.2.1 Band38_OBW



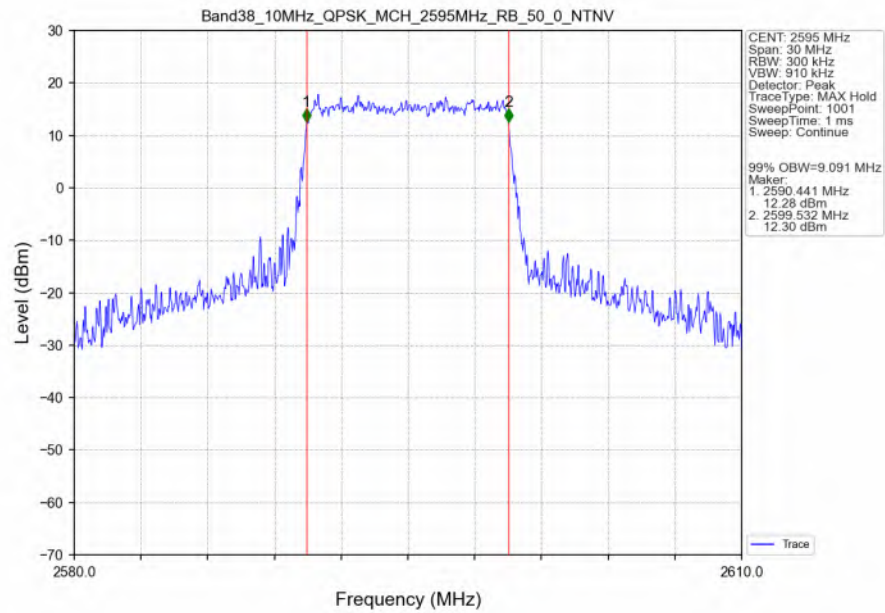
Band38 5MHz 64QAM MCH 2595MHz RB 25 0 NTNV



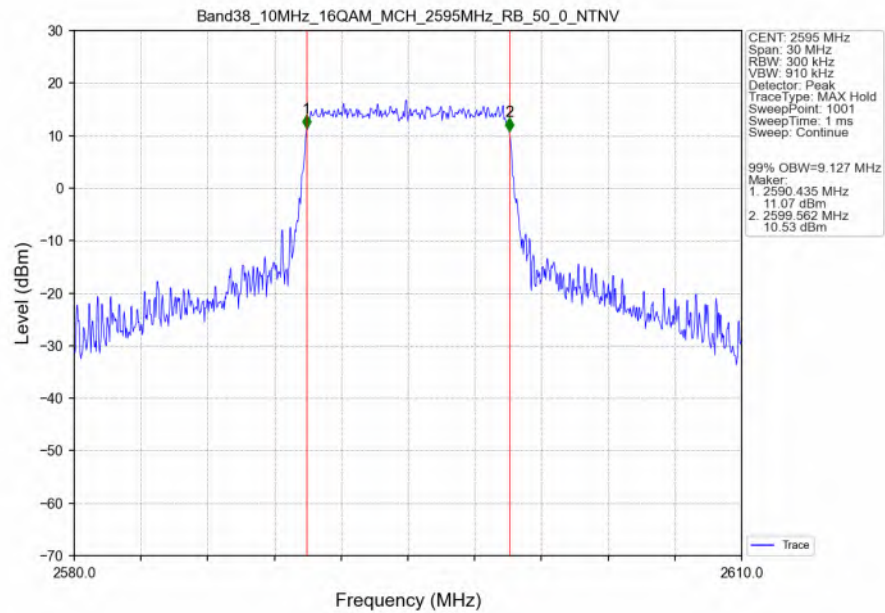
Band38 5MHz 256QAM MCH 2595MHz RB 25 0 NTNV



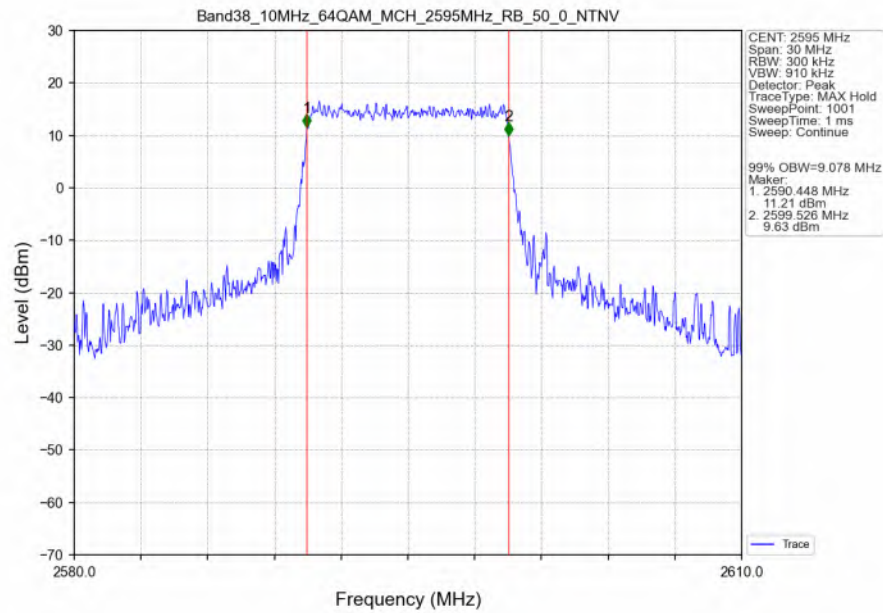
Band38 10MHz QPSK MCH 2595MHz RB 50 0 NTNV



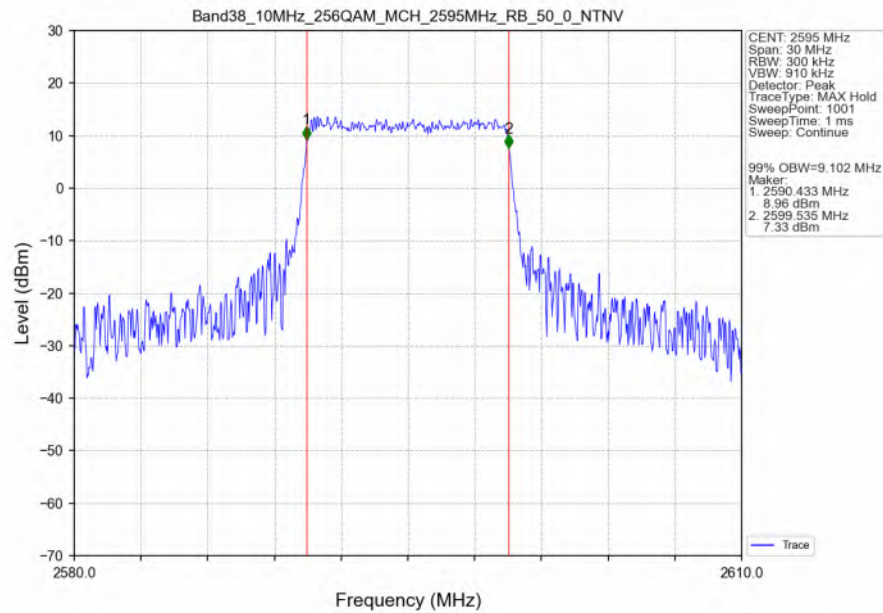
Band38 10MHz 16QAM MCH 2595MHz RB 50 0 NTNV



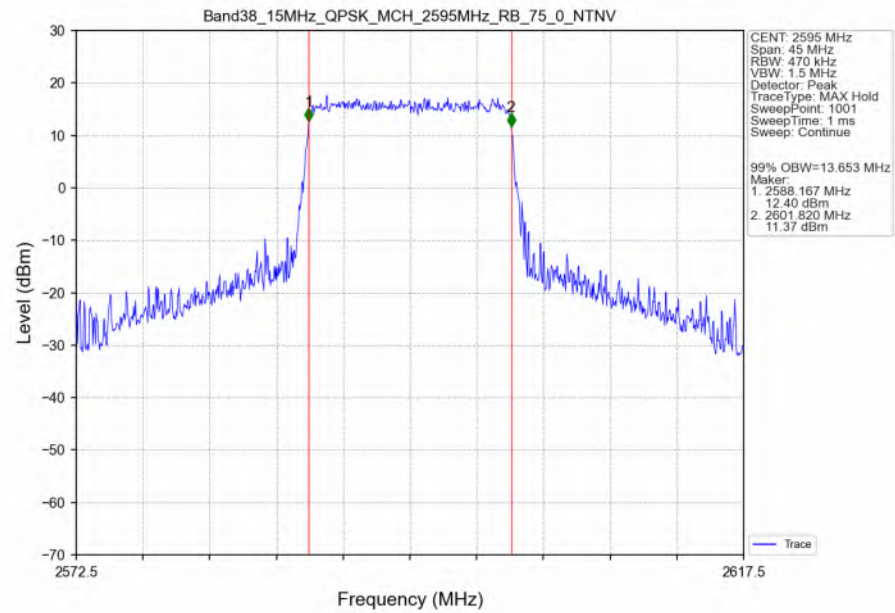
Band38 10MHz 64QAM MCH 2595MHz RB 50 0 NTV



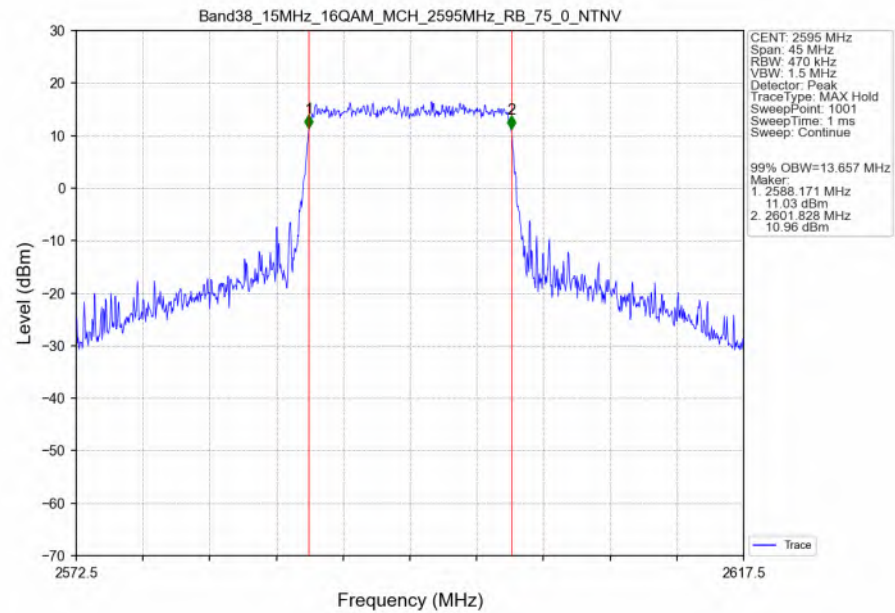
Band38 10MHz 256QAM MCH 2595MHz RB 50 0 NTV



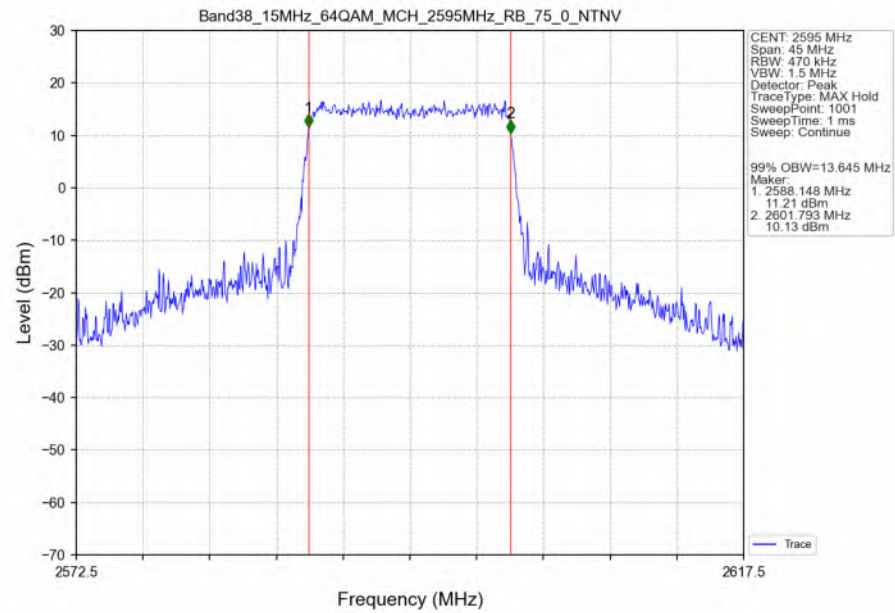
Band38 15MHz QPSK MCH 2595MHz RB 75 0 NTNV



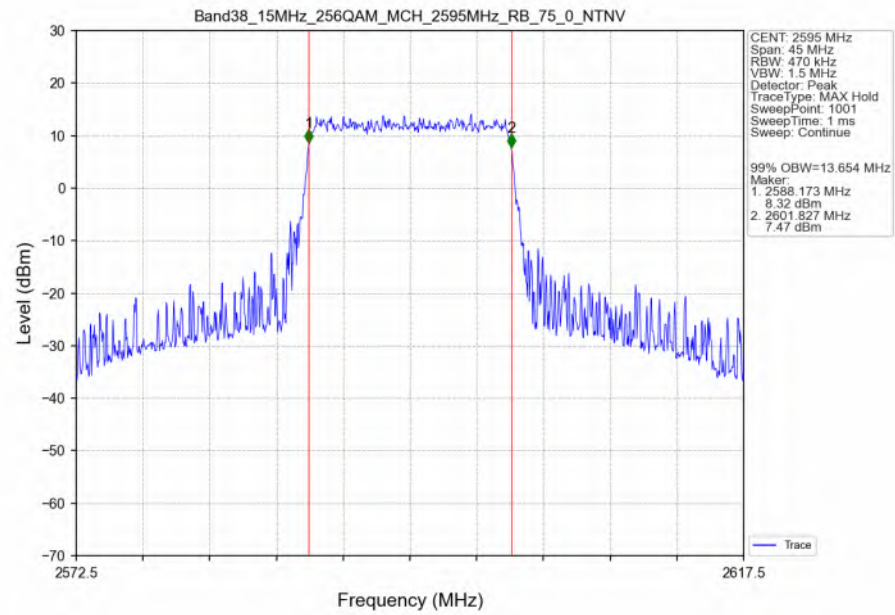
Band38 15MHz 16QAM MCH 2595MHz RB 75 0 NTNV



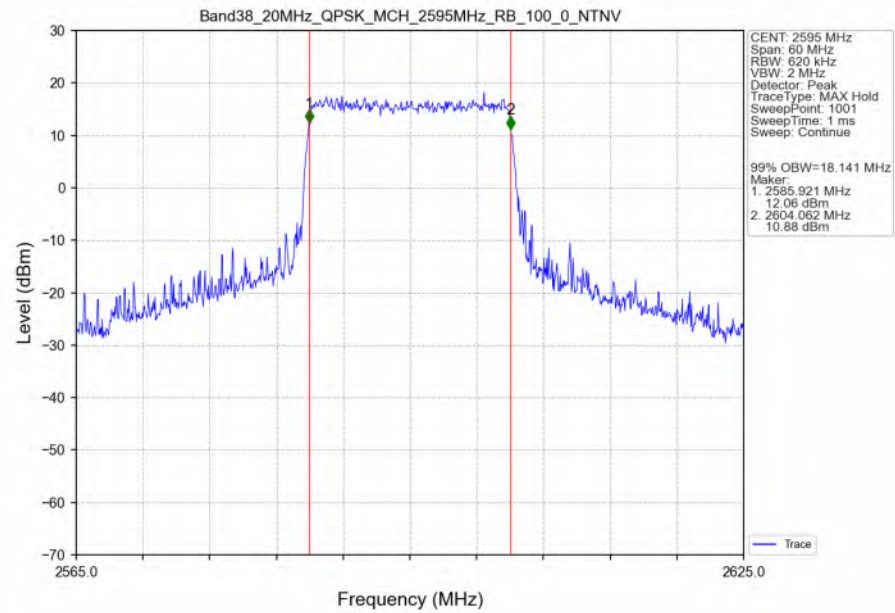
Band38 15MHz 64QAM MCH 2595MHz RB 75 0 NTNV



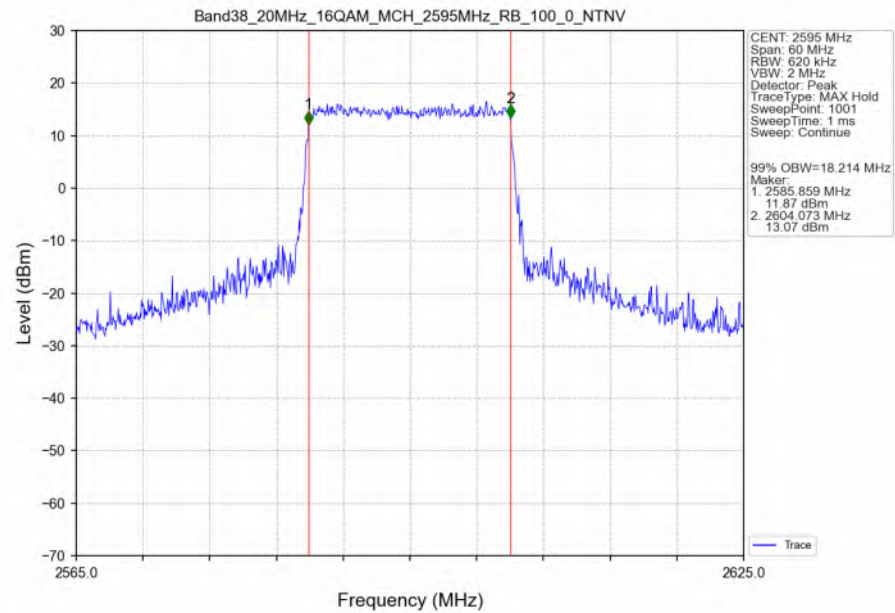
Band38 15MHz 256QAM MCH 2595MHz RB 75 0 NTNV



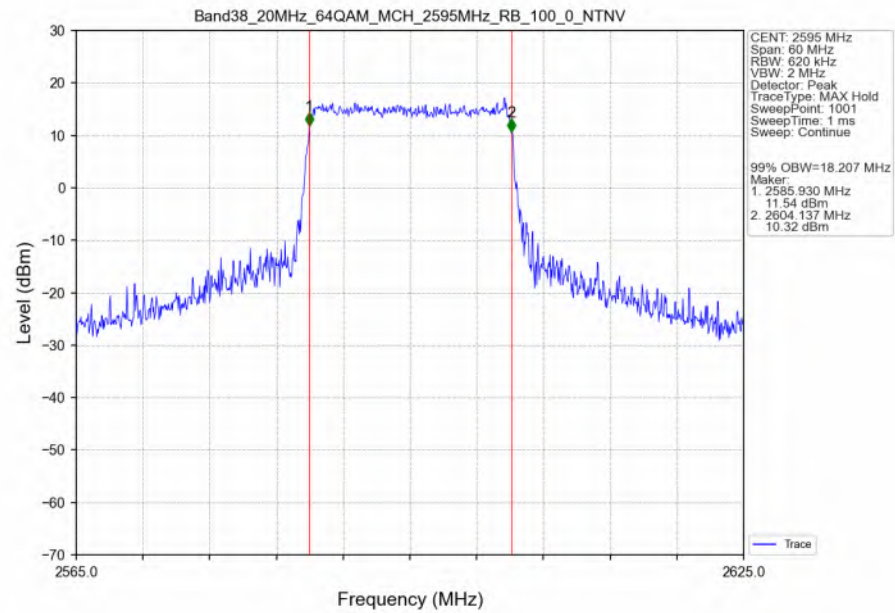
Band38 20MHz QPSK MCH 2595MHz RB 100 0 NTV



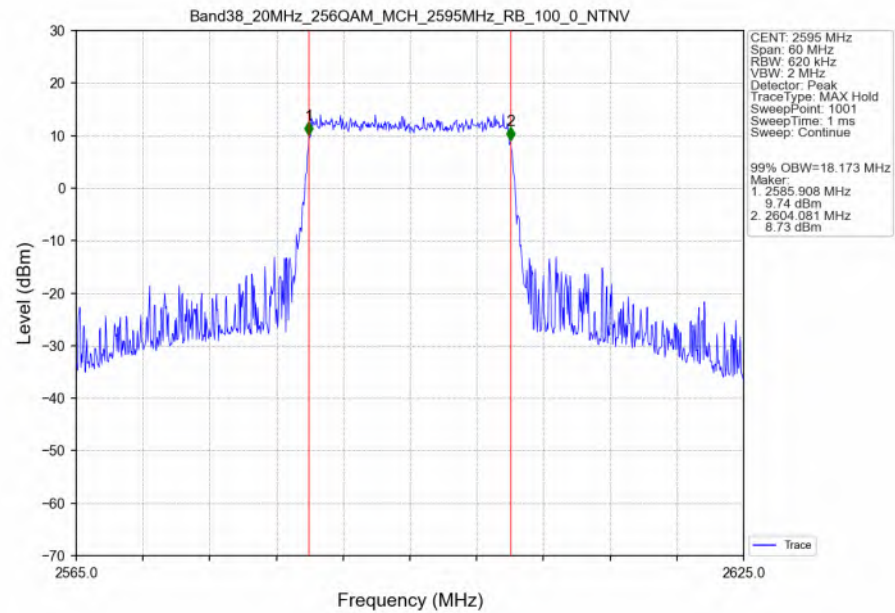
Band38 20MHz 16QAM MCH 2595MHz RB 100 0 NTV



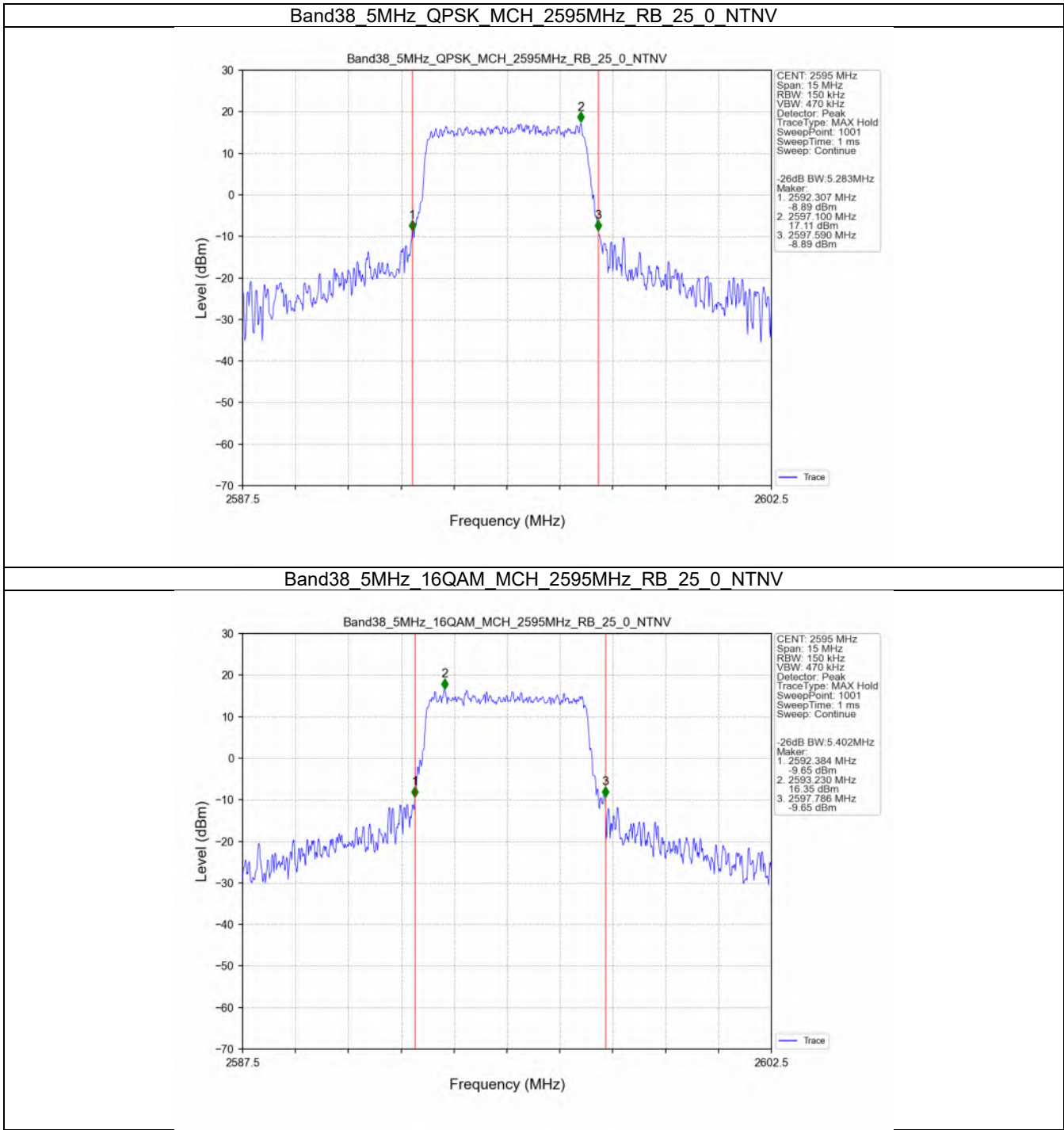
Band38 20MHz 64QAM MCH 2595MHz RB 100 0 NTN



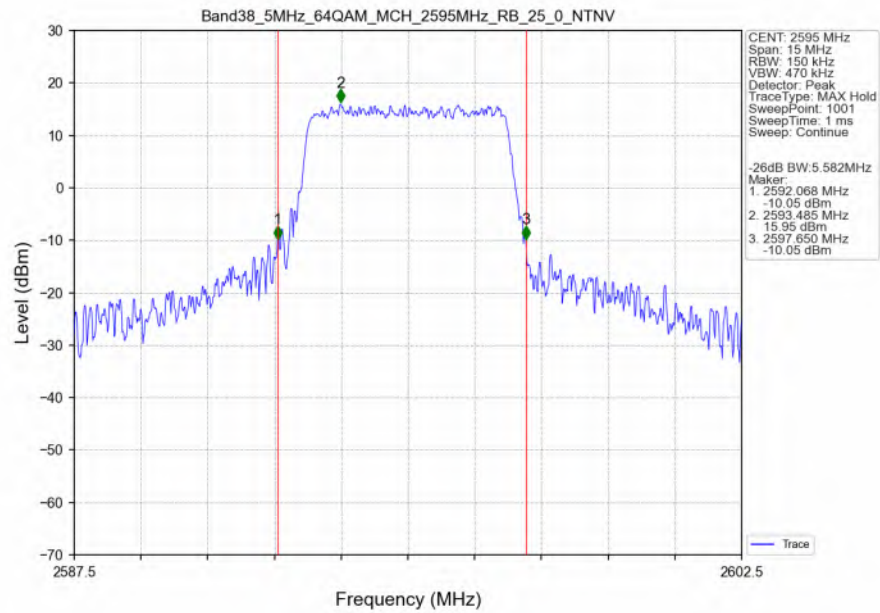
Band38 20MHz 256QAM MCH 2595MHz RB 100 0 NTN



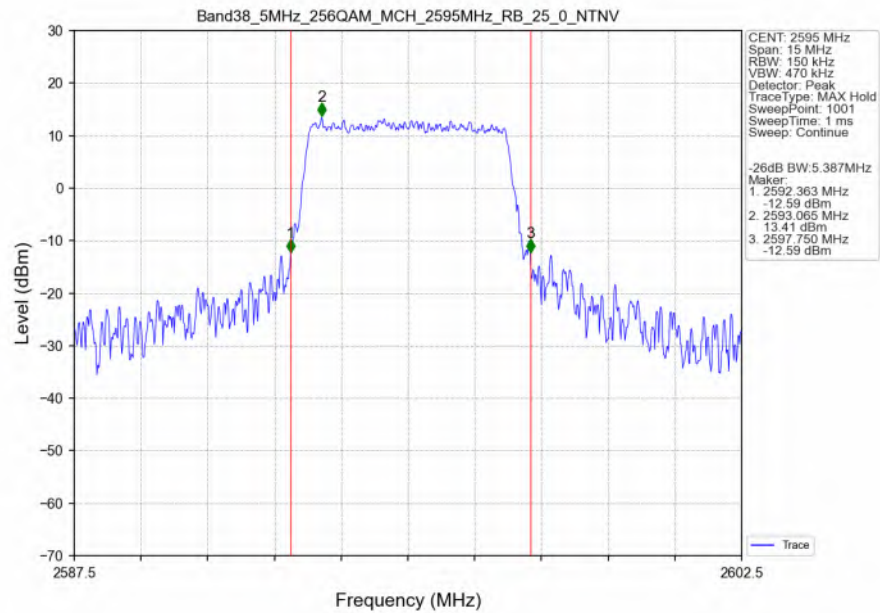
3.2.2 Band38_XDB



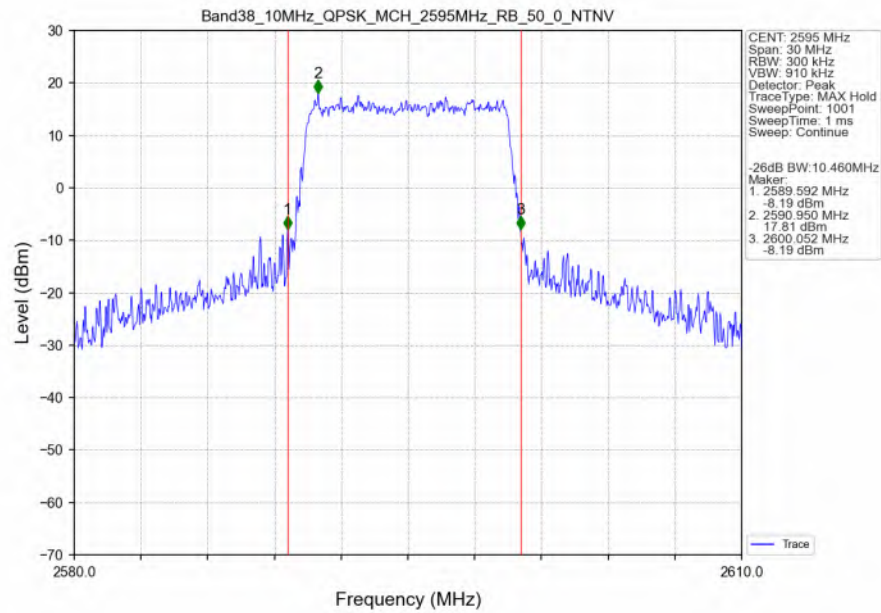
Band38 5MHz 64QAM MCH 2595MHz RB 25 0 NTN



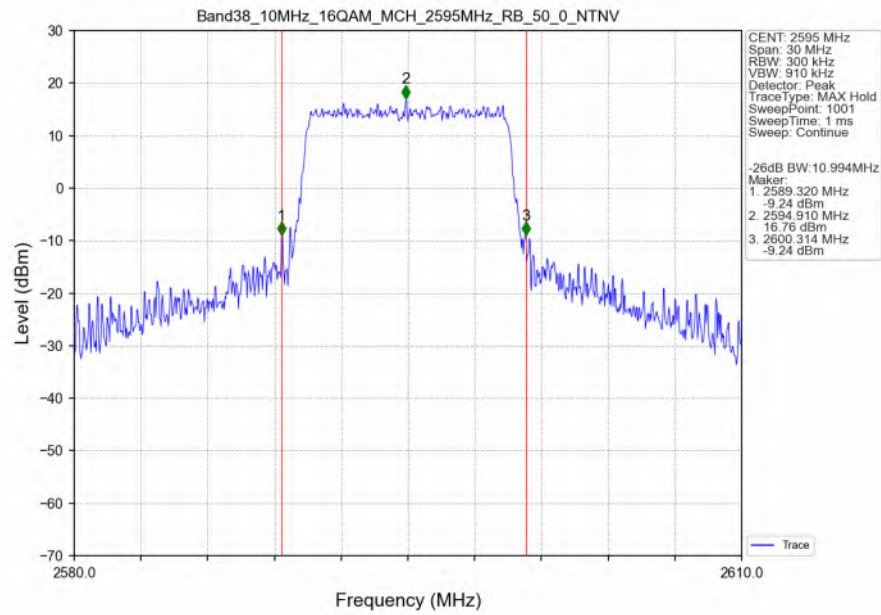
Band38 5MHz 256QAM MCH 2595MHz RB 25 0 NTN



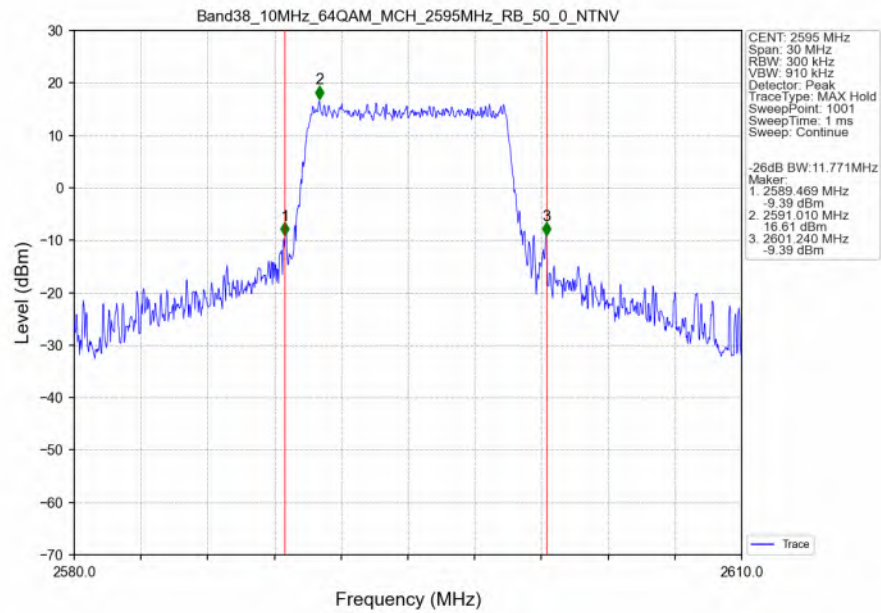
Band38 10MHz QPSK MCH 2595MHz RB 50 0 NTNV



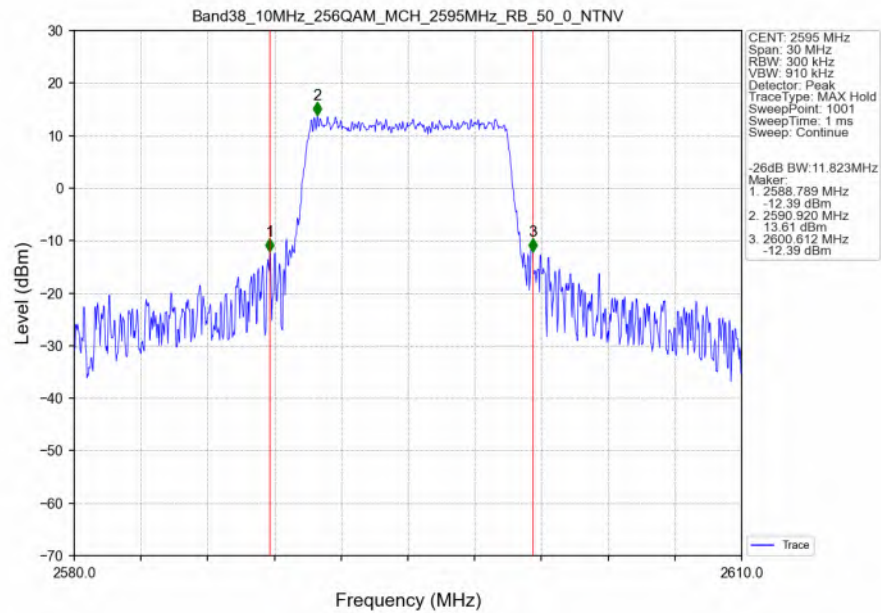
Band38 10MHz 16QAM MCH 2595MHz RB 50 0 NTNV



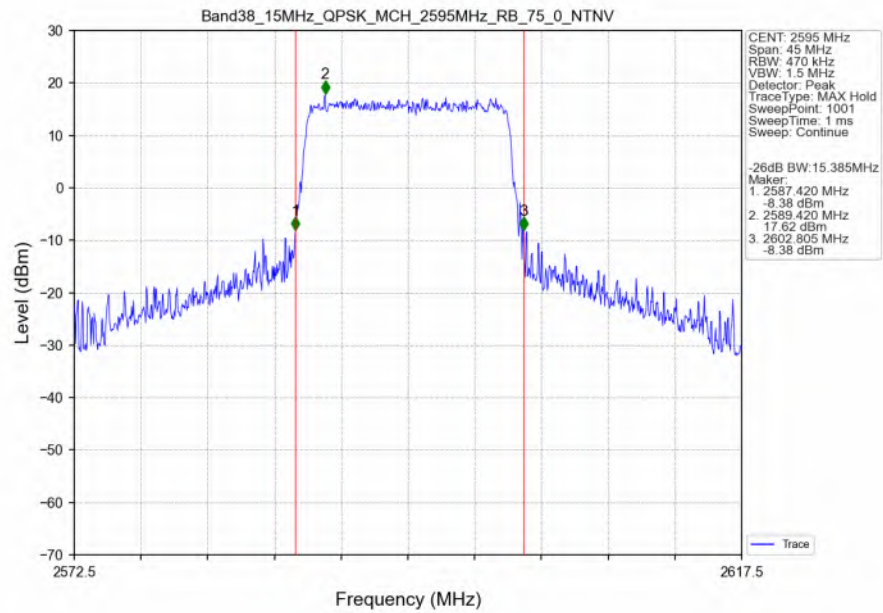
Band38 10MHz 64QAM MCH 2595MHz RB 50 0 NTV



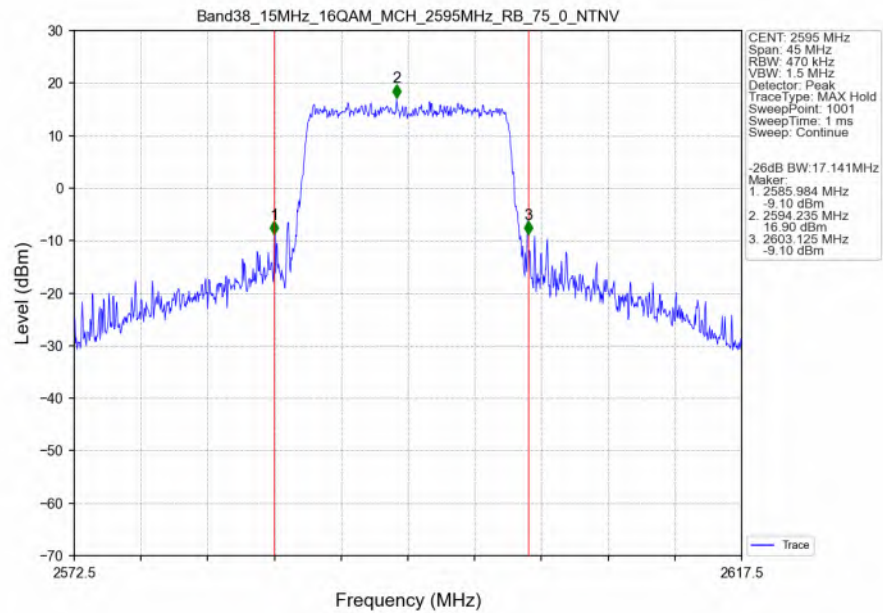
Band38 10MHz 256QAM MCH 2595MHz RB 50 0 NTV



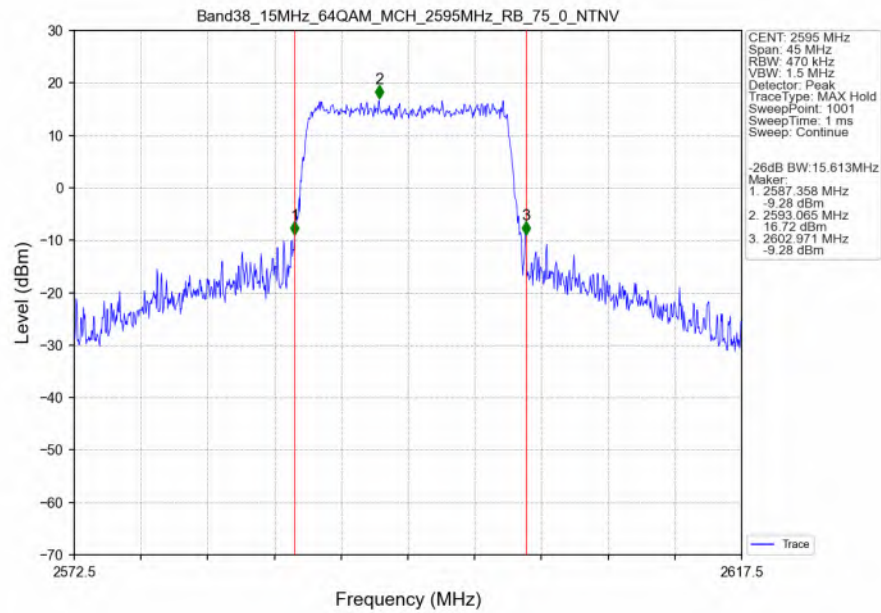
Band38 15MHz QPSK MCH 2595MHz RB 75 0 NTNV



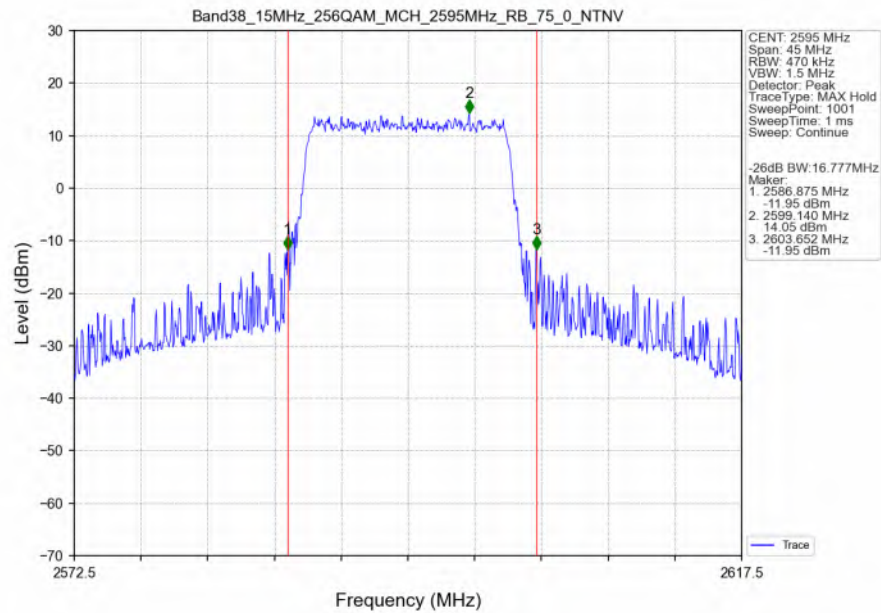
Band38 15MHz 16QAM MCH 2595MHz RB 75 0 NTNV



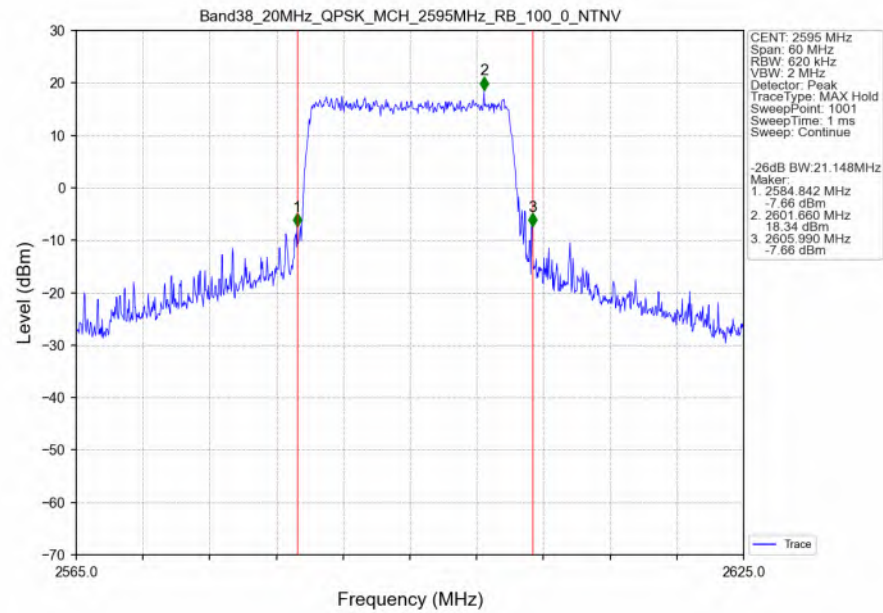
Band38 15MHz 64QAM MCH 2595MHz RB 75 0 NTV



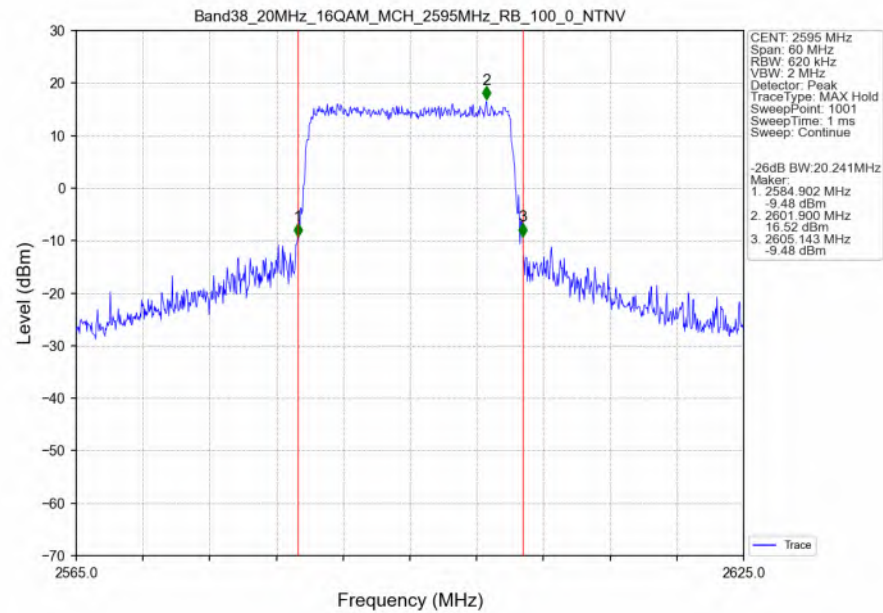
Band38 15MHz 256QAM MCH 2595MHz RB 75 0 NTV



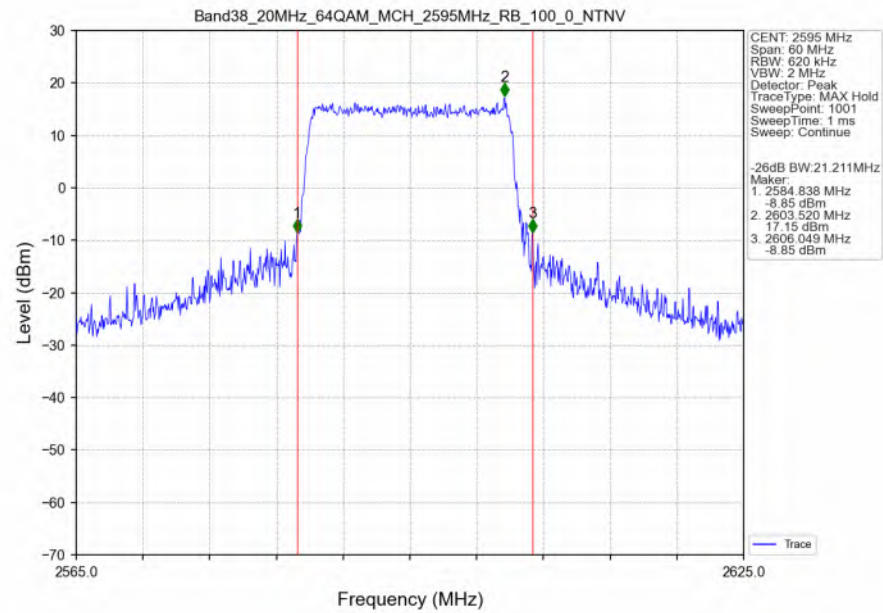
Band38 20MHz QPSK MCH 2595MHz RB 100 0 NTV



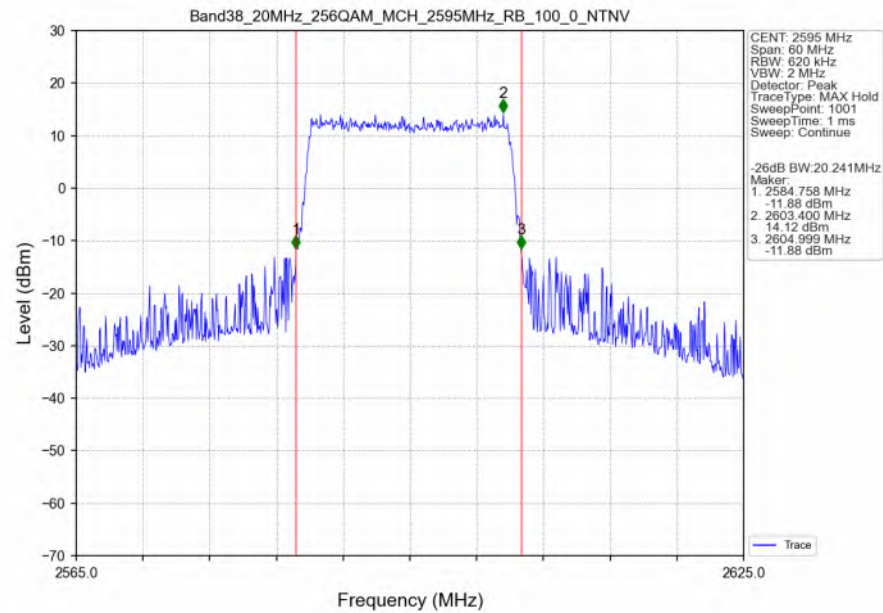
Band38 20MHz 16QAM MCH 2595MHz RB 100 0 NTV



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



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



4. Peak-Average Ratio

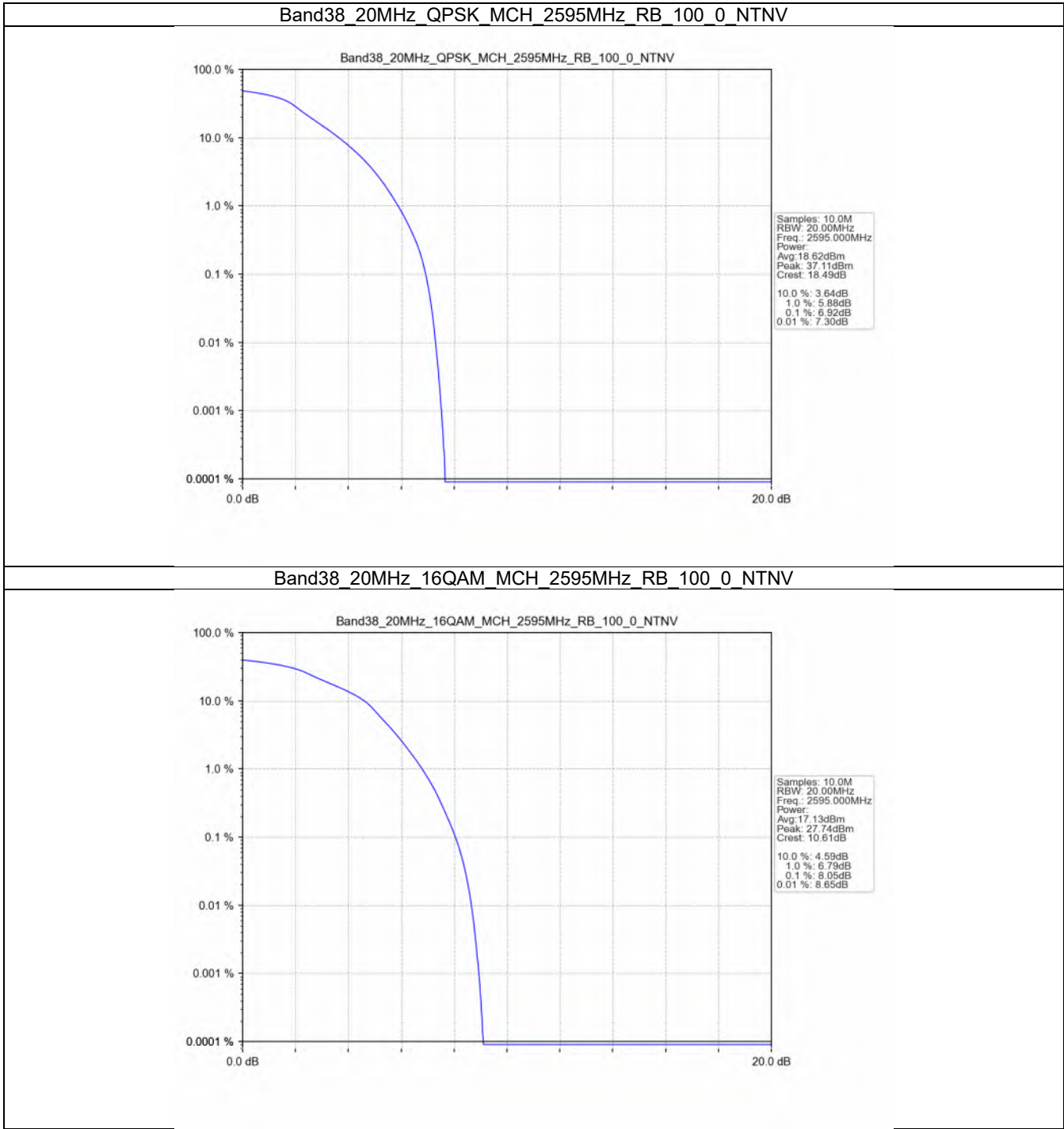
4.1 Test Result

4.1.1 B38_20MHz

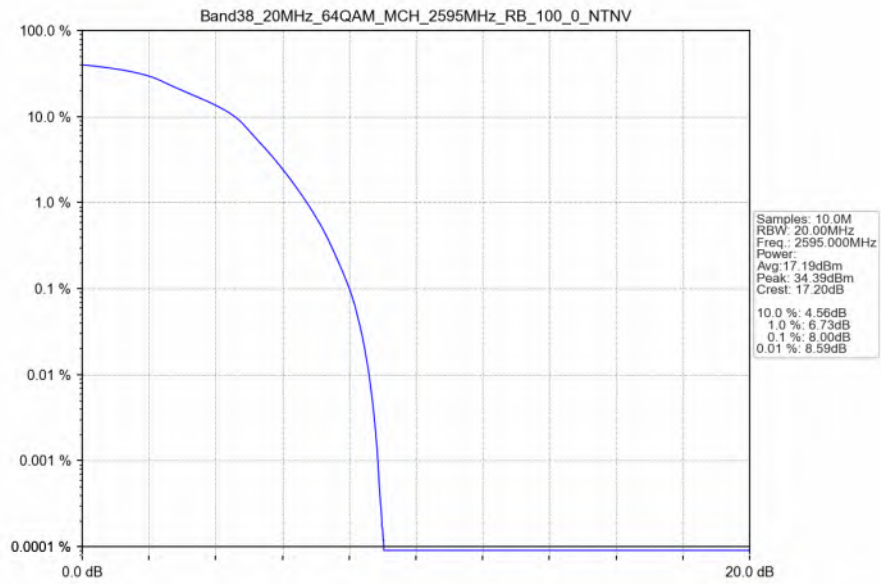
Band: 38 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2595	100	0	6.92	<=13	Pass
16QAM	2595	100	0	8.05	<=13	Pass
64QAM	2595	100	0	8.00	<=13	Pass
256QAM	2595	100	0	8.62	<=13	Pass

4.2 Test Graph

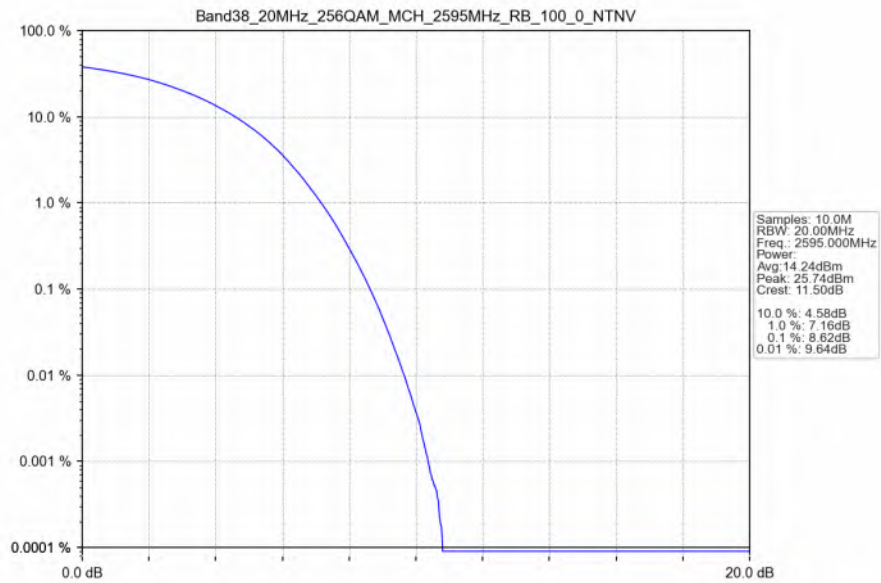
4.2.1 B38_20MHz



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 / 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

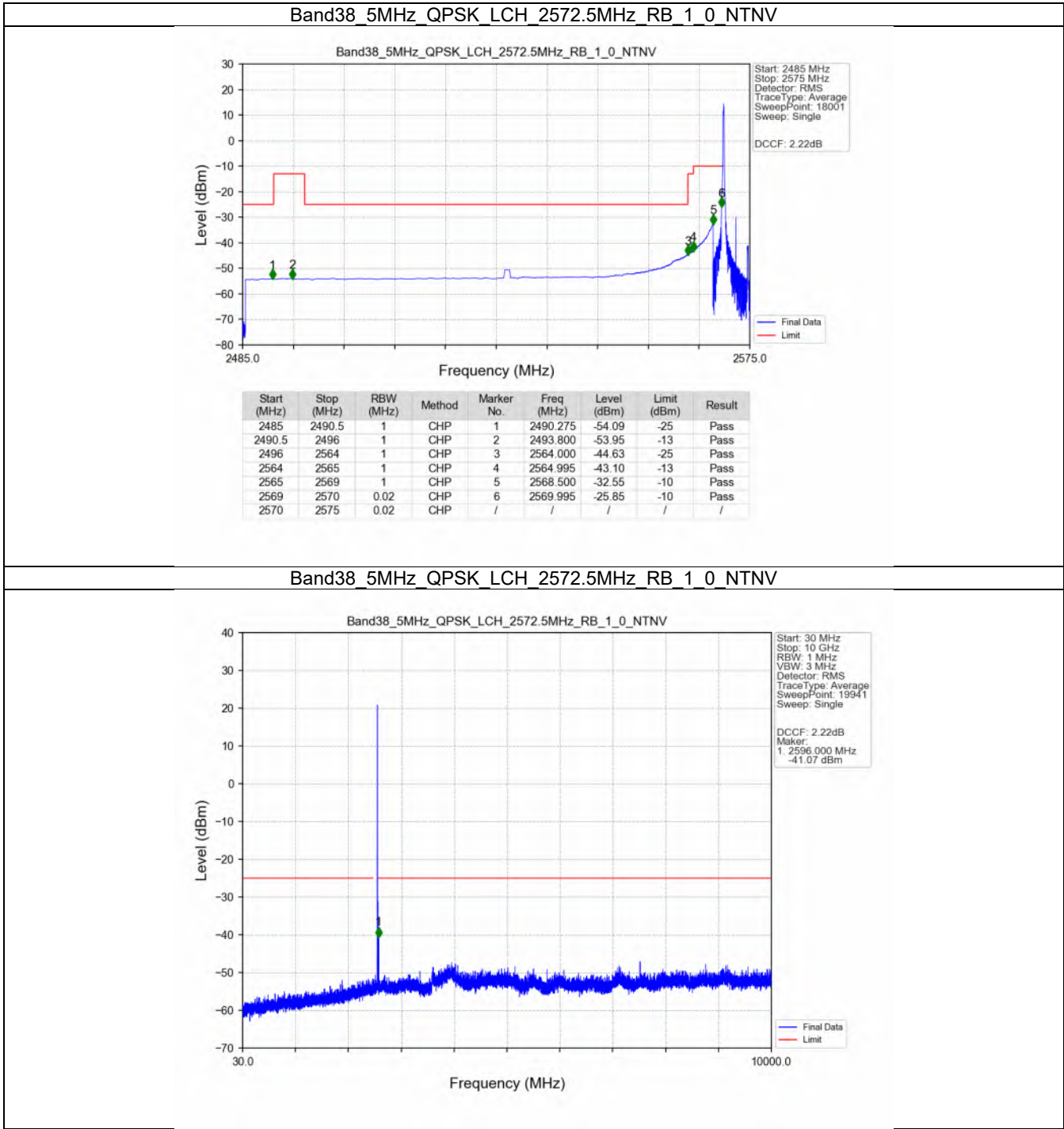
Band: 38 / Bandwidth: 15MHz / NTVN						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	2577.5	1	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	2595	1	0	Refer To Test Graph		Pass
	2612.5	1	0	Refer To Test Graph		Pass
			74	Refer To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

5.1.4 B38_20MHz

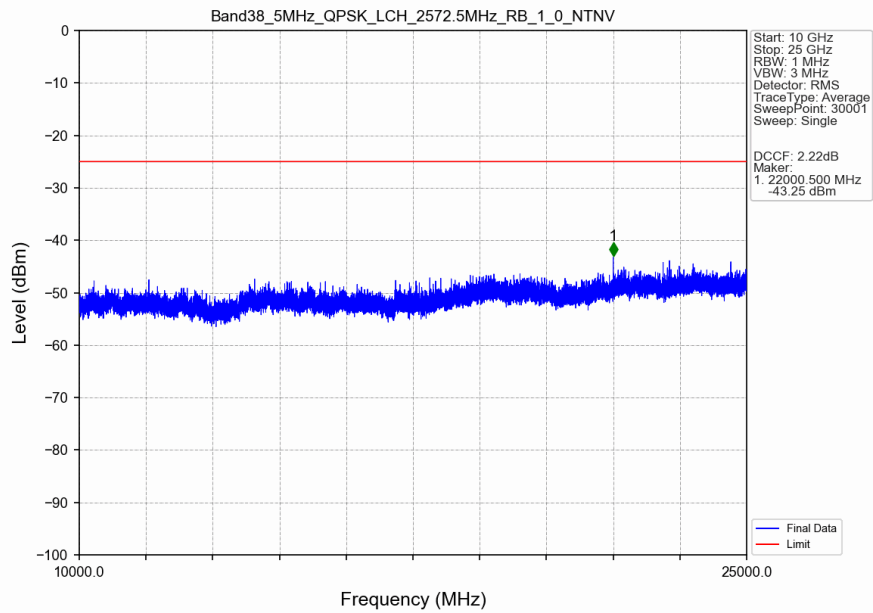
Band: 38 / Bandwidth: 20MHz / NTVN						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	2580	1	0	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	2595	1	0	Refer To Test Graph		Pass
	2610	1	0	Refer To Test Graph		Pass
			99	Refer To Test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

5.2 Test Graph

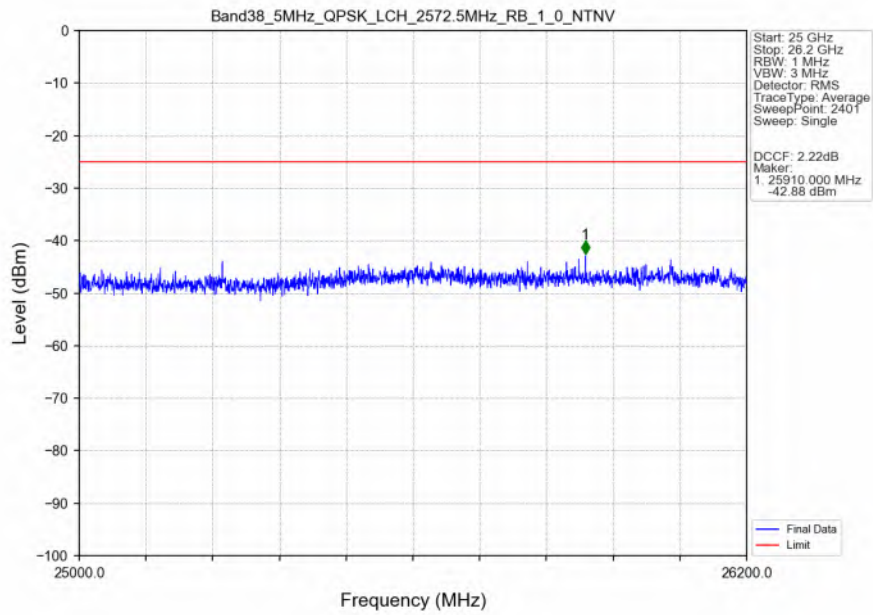
5.2.1 B38_5MHz



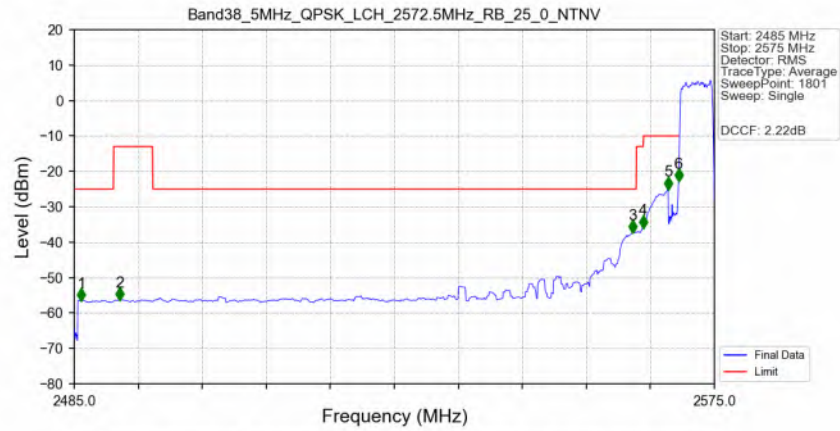
Band38 5MHz QPSK LCH 2572.5MHz RB 1 0 NTNV



Band38 5MHz QPSK LCH 2572.5MHz RB 1 0 NTNV

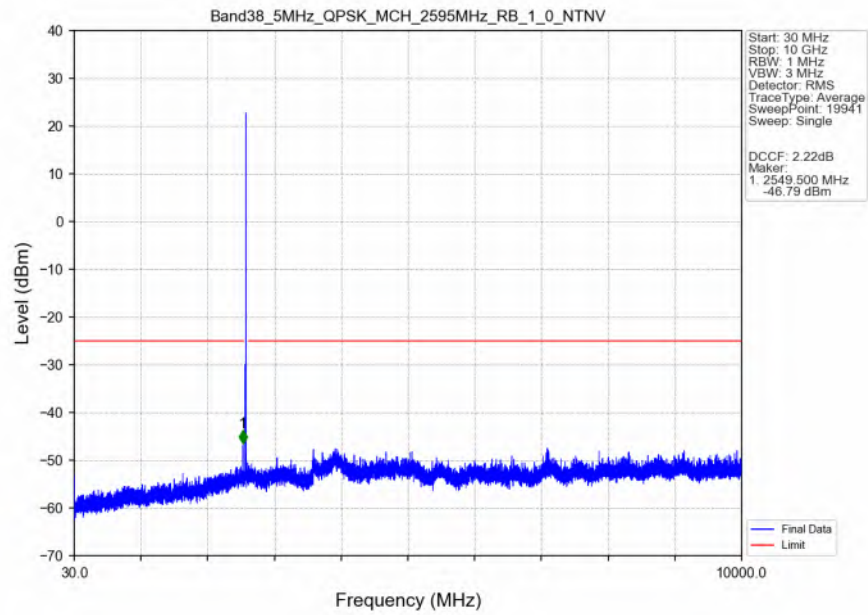


Band38 5MHz QPSK LCH 2572.5MHz RB 25 0 NTNV

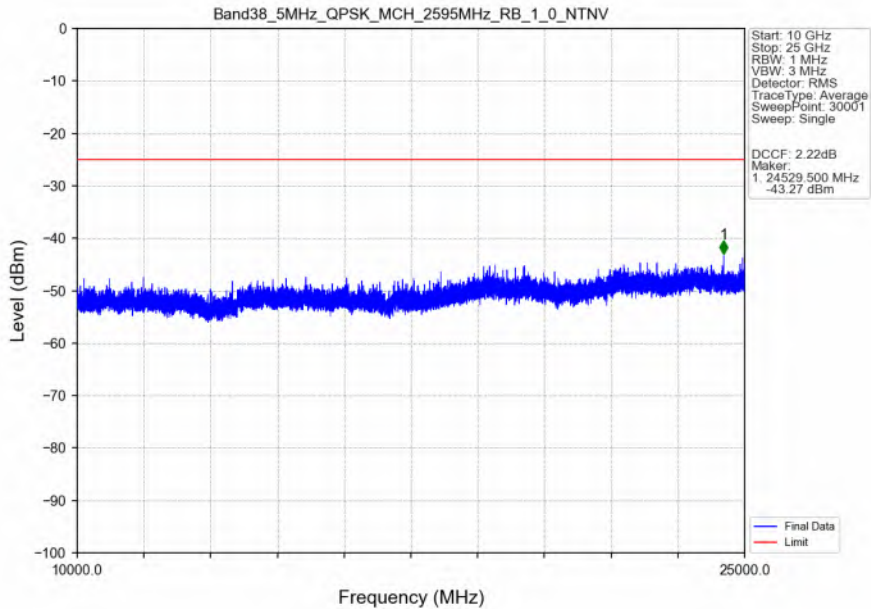


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2486.000	-56.33	-25	Pass
2490.5	2496	1	CHP	2	2491.400	-56.25	-13	Pass
2496	2564	1	CHP	3	2563.550	-37.11	-25	Pass
2564	2565	1	CHP	4	2564.950	-35.75	-13	Pass
2565	2569	1	CHP	5	2568.500	-24.87	-10	Pass
2569	2570	0.106	CHP	6	2569.950	-22.69	-10	Pass
2570	2575	0.106	CHP	/	/	/	/	/

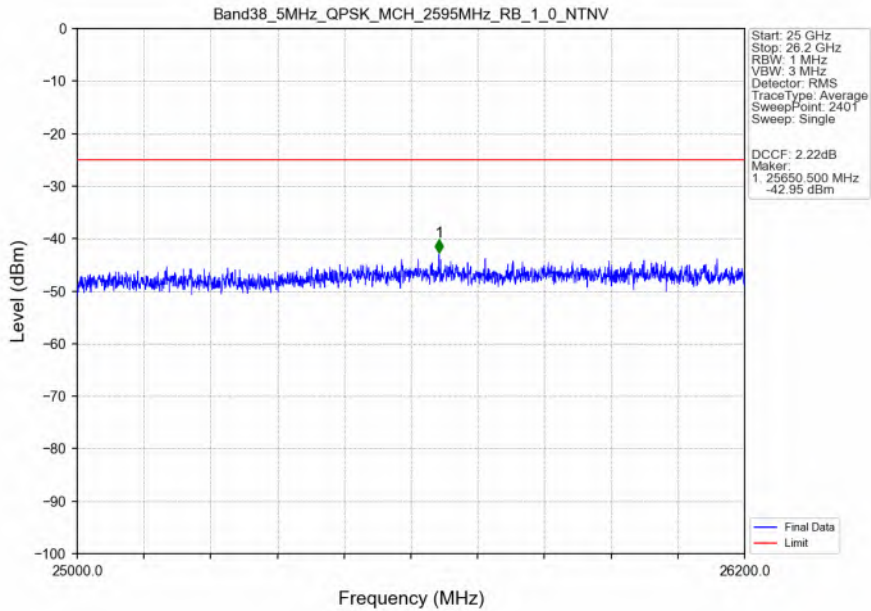
Band38 5MHz QPSK MCH 2595MHz RB 1 0 NTNV



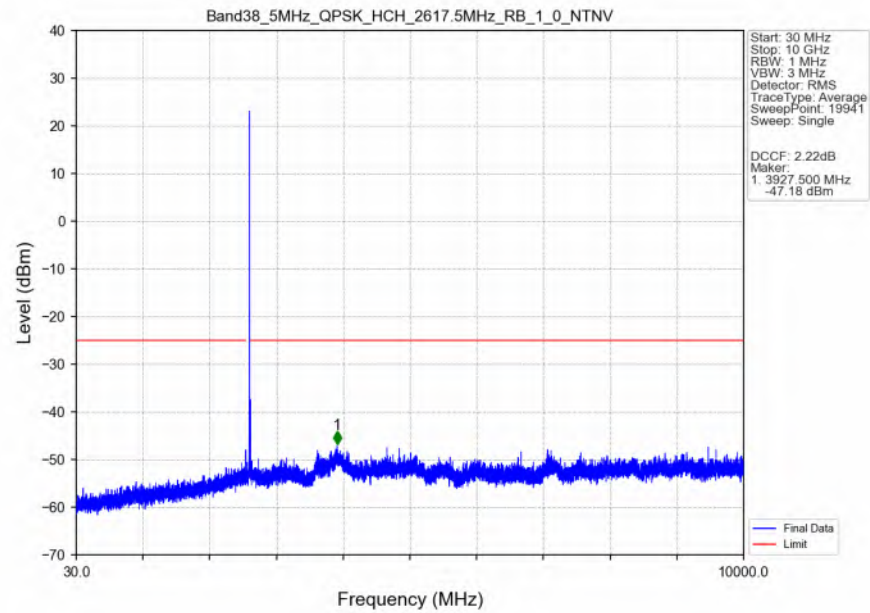
Band38_5MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



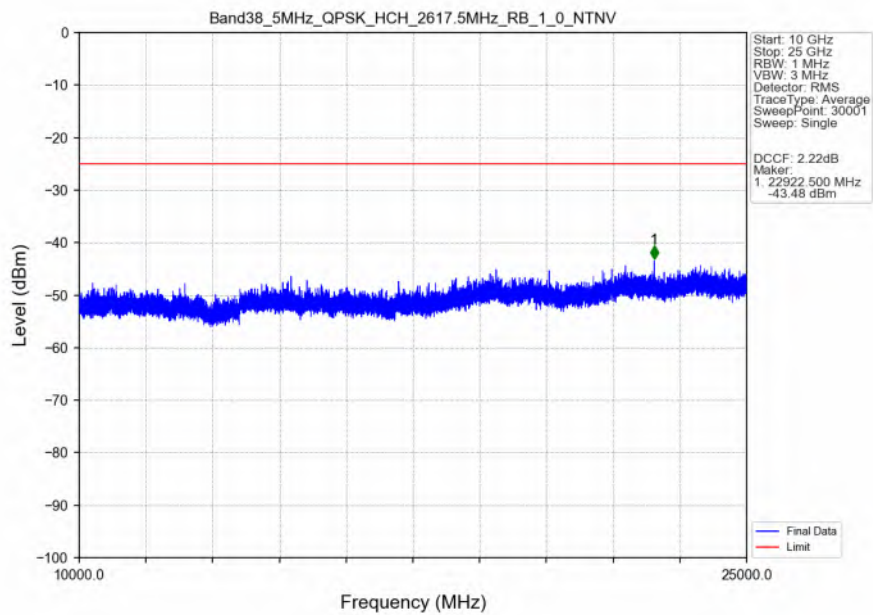
Band38_5MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



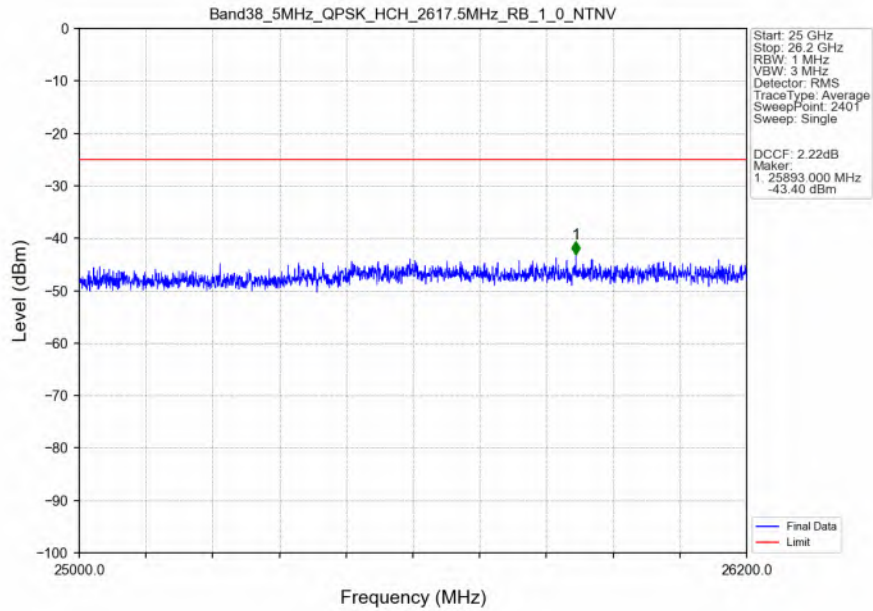
Band38 5MHz QPSK HCH 2617.5MHz RB 1 0 NTN



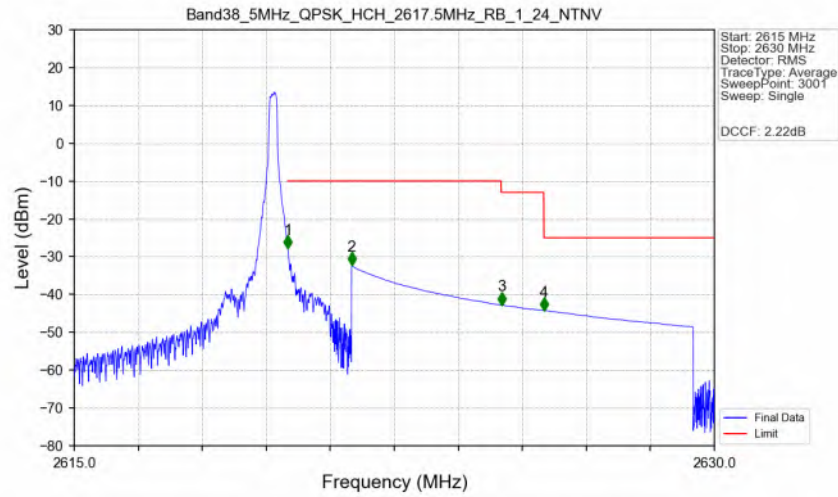
Band38 5MHz QPSK HCH 2617.5MHz RB 1 0 NTN



Band38 5MHz QPSK HCH 2617.5MHz RB 1 0 NTV

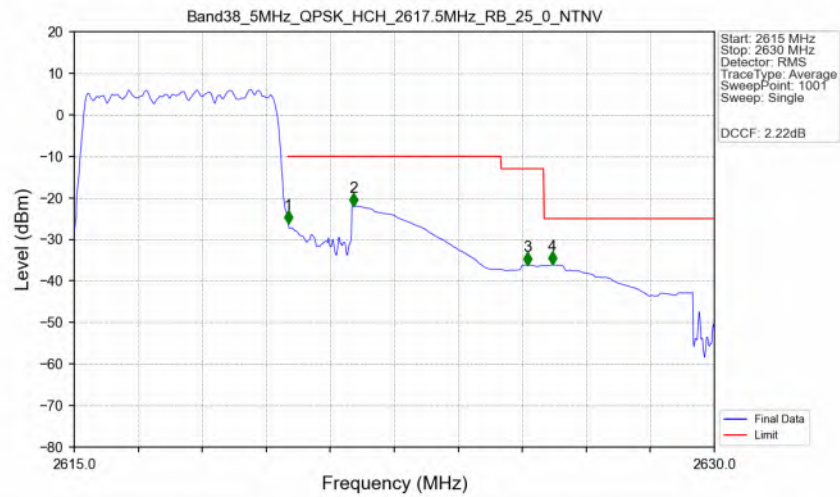


Band38 5MHz QPSK HCH 2617.5MHz RB 1 24 NTV



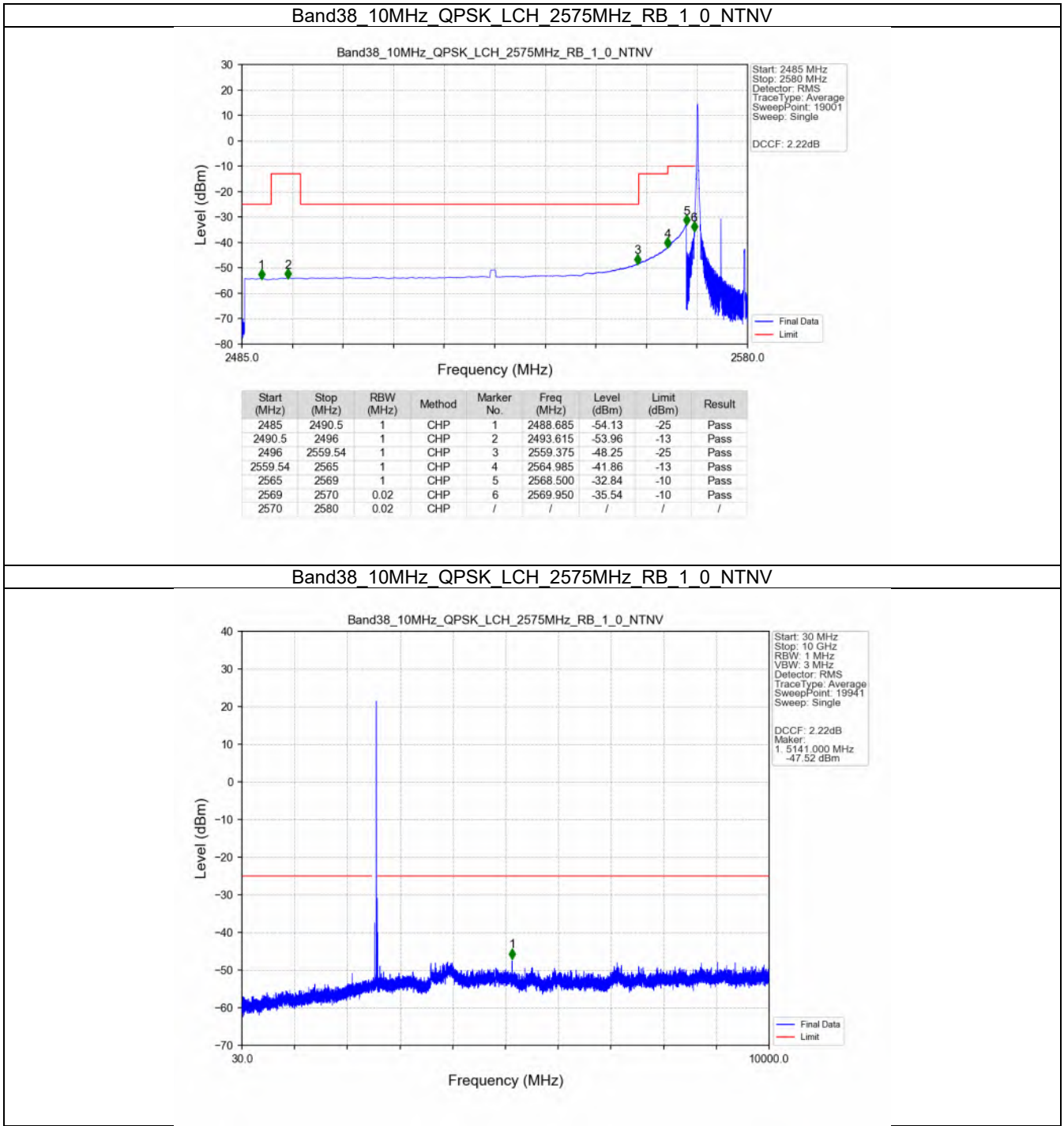
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2615	2620	0.02	CHP	/	/	/	/	/
2620	2621	0.02	CHP	1	2620.005	-27.80	-10	Pass
2621	2625	1	CHP	2	2621.500	-32.34	-10	Pass
2625	2626	1	CHP	3	2625.015	-42.77	-13	Pass
2626	2630	1	CHP	4	2626.005	-44.22	-25	Pass

Band38 5MHz QPSK HCH 2617.5MHz RB 25 0 NTV

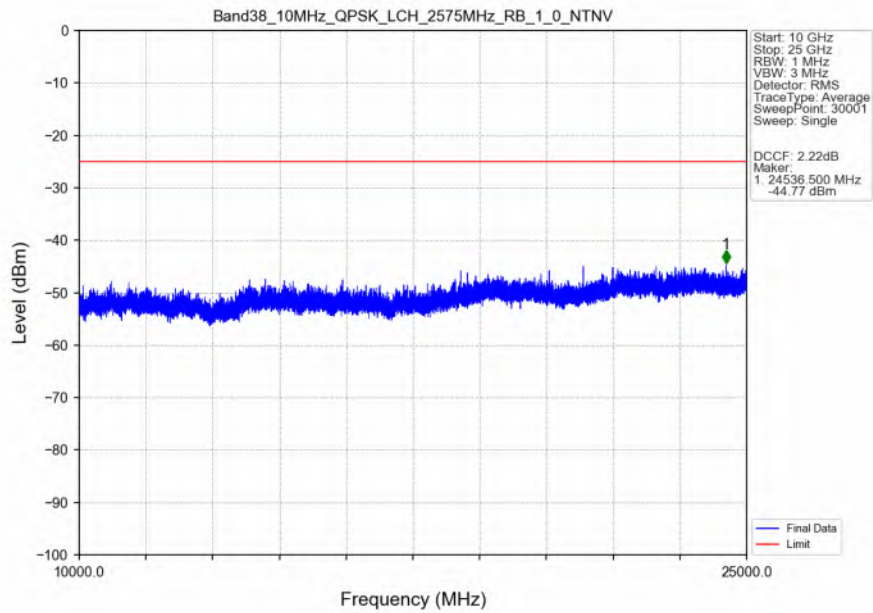


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2615	2620	0.106	CHP	/	/	/	/	/
2620	2621	0.106	CHP	1	2620.010	-26.15	-10	Pass
2621	2625	1	CHP	2	2621.540	-21.94	-10	Pass
2625	2626	1	CHP	3	2625.620	-36.15	-13	Pass
2626	2630	1	CHP	4	2626.205	-36.12	-25	Pass

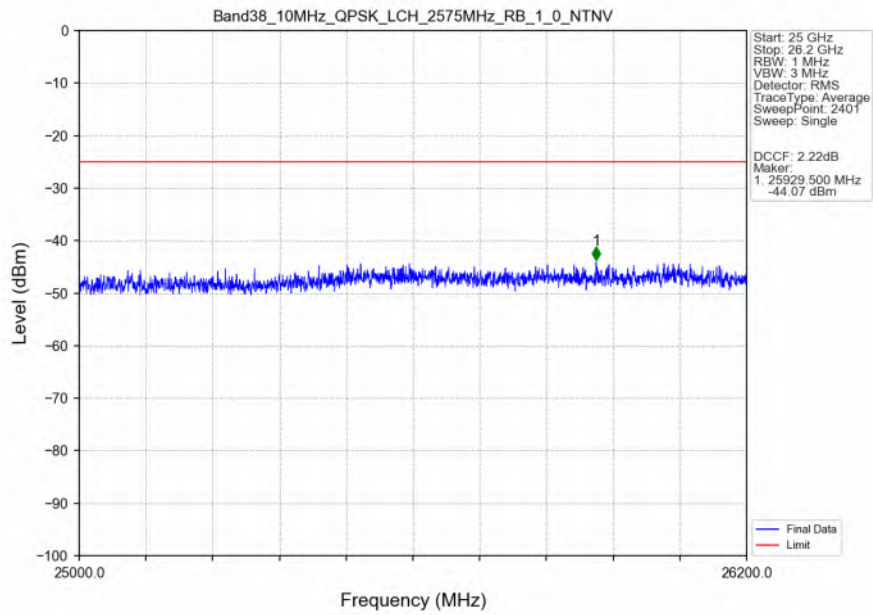
5.2.2 B38_10MHz



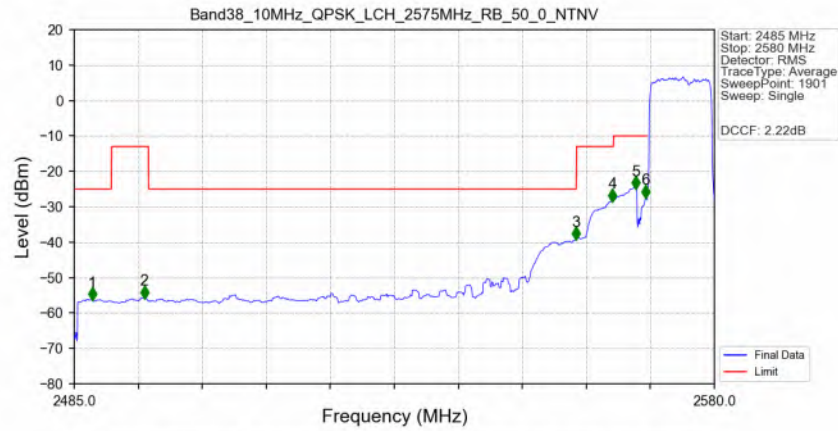
Band38 10MHz QPSK LCH 2575MHz RB 1 0 NTN



Band38 10MHz QPSK LCH 2575MHz RB 1 0 NTN

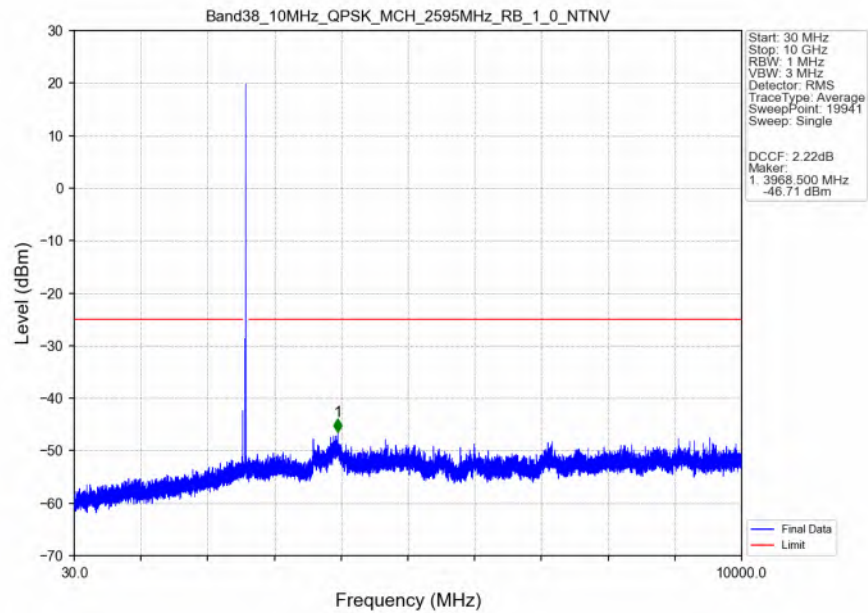


Band38 10MHz QPSK LCH 2575MHz RB 50 0 NTV

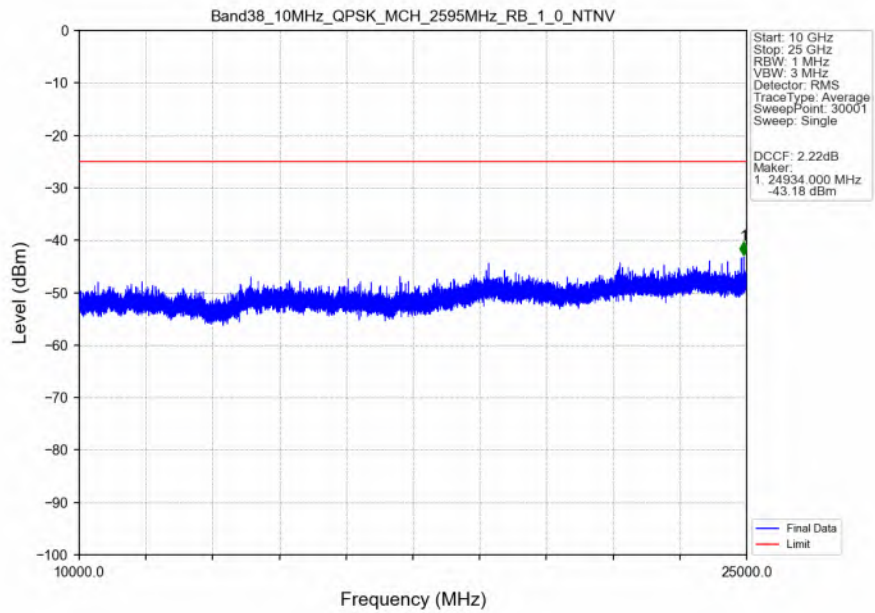


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2487.650	-56.17	-25	Pass
2490.5	2496	1	CHP	2	2495.400	-55.68	-13	Pass
2496	2559.54	1	CHP	3	2559.500	-39.09	-25	Pass
2559.54	2565	1	CHP	4	2564.850	-28.27	-13	Pass
2565	2569	1	CHP	5	2568.350	-24.71	-10	Pass
2569	2570	0.209	CHP	6	2569.800	-27.24	-10	Pass
2570	2580	0.209	CHP	/	/	/	/	/

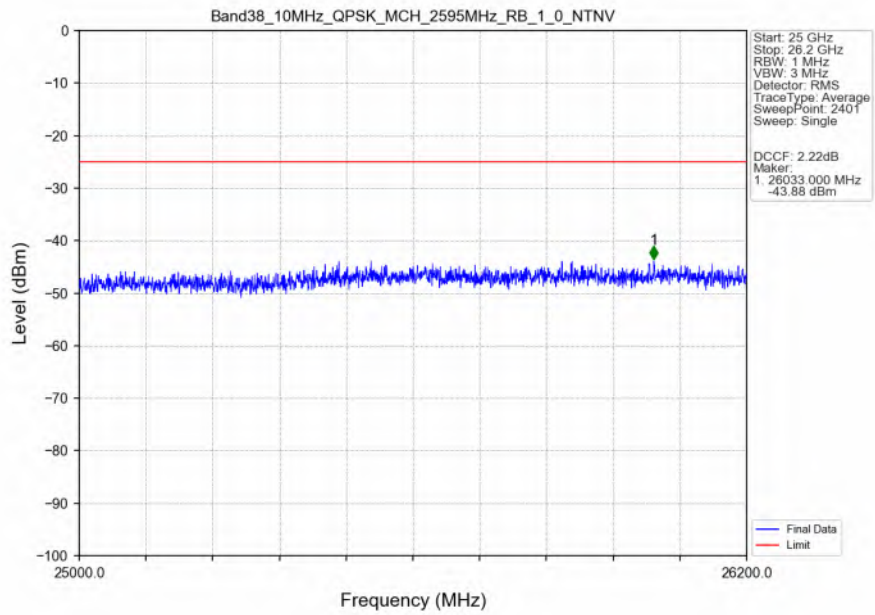
Band38 10MHz QPSK MCH 2595MHz RB 1 0 NTV



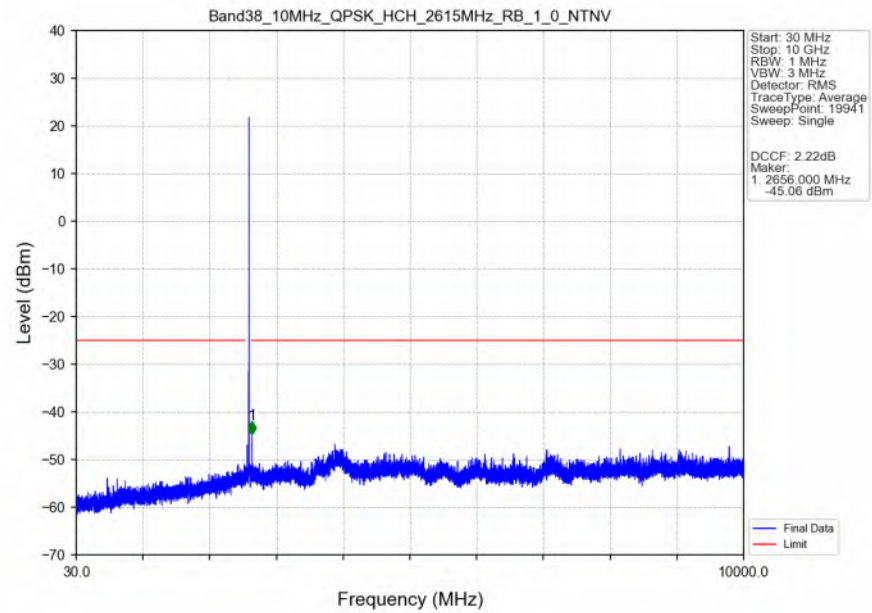
Band38 10MHz QPSK MCH 2595MHz RB 1 0 NTNV



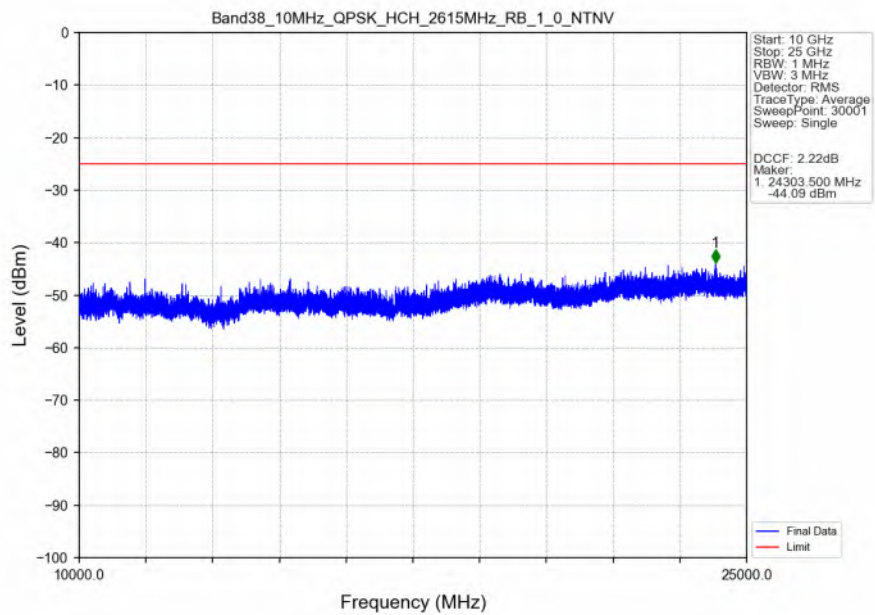
Band38 10MHz QPSK MCH 2595MHz RB 1 0 NTNV



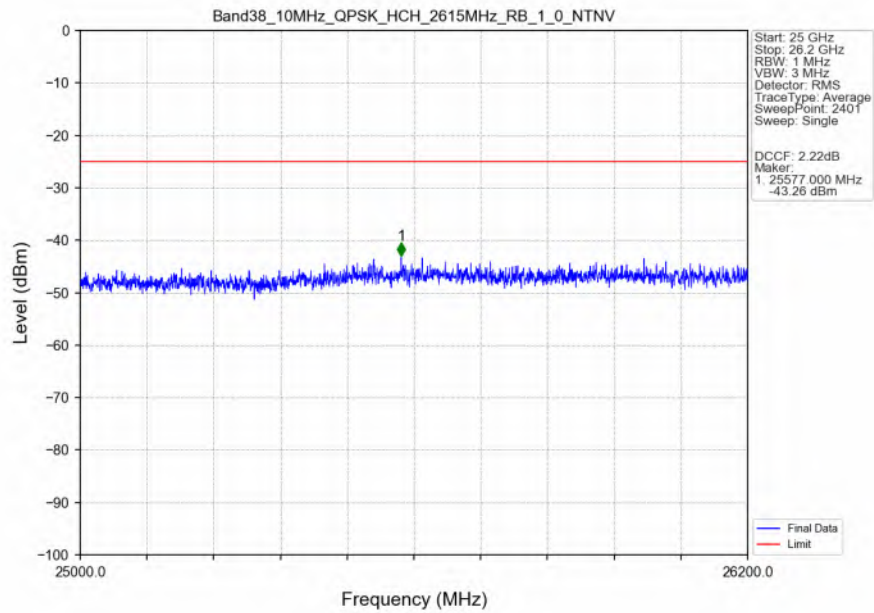
Band38 10MHz QPSK HCH 2615MHz RB 1 0 NTNV



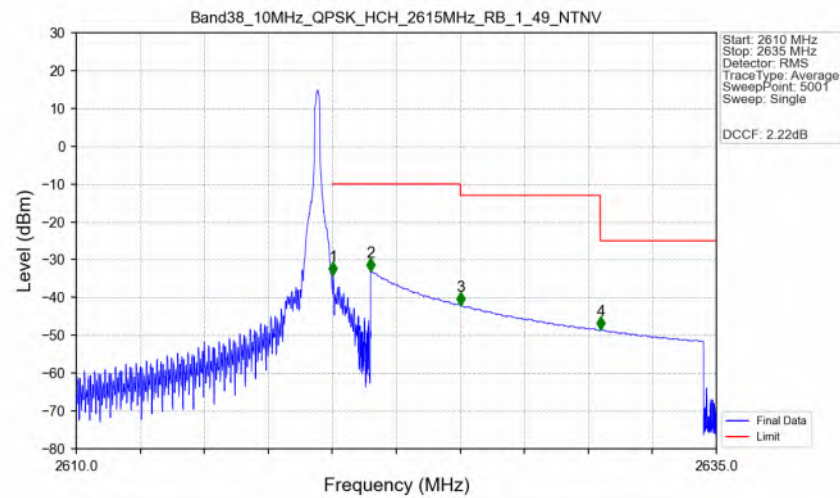
Band38 10MHz QPSK HCH 2615MHz RB 1 0 NTNV



Band38 10MHz QPSK HCH 2615MHz RB 1 0 NTNV

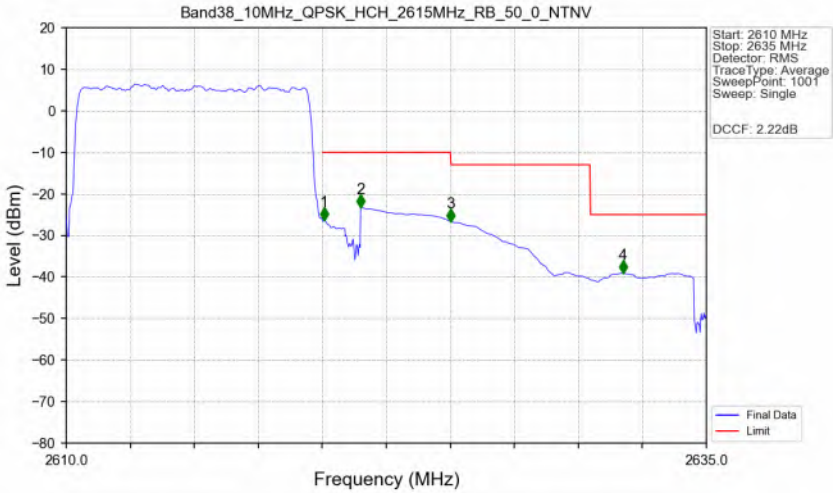


Band38 10MHz QPSK HCH 2615MHz RB 1 49 NTNV



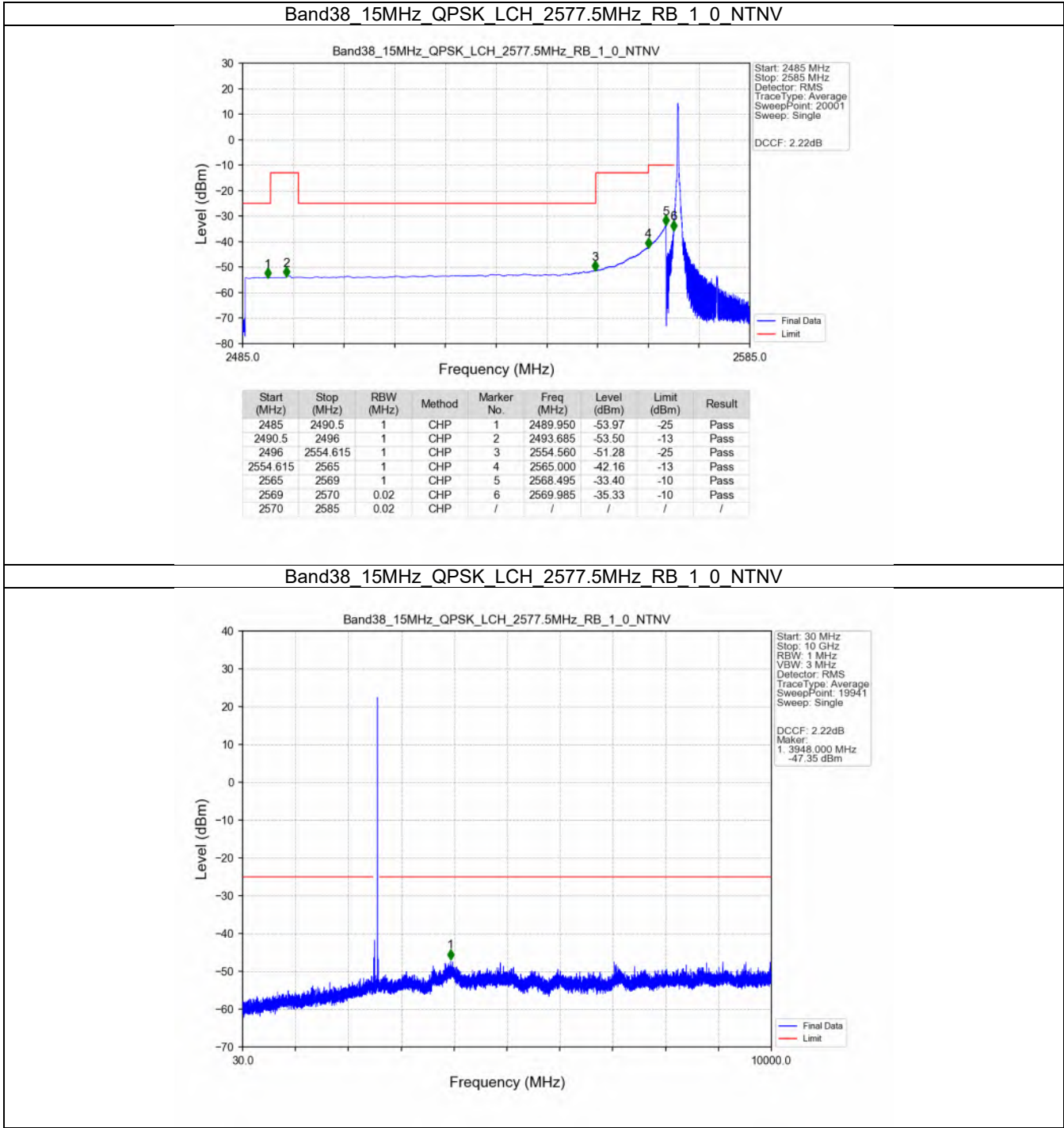
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2610	2620	0.02	CHP	/	/	/	/	/
2620	2621	0.02	CHP	1	2620.030	-34.05	-10	Pass
2621	2625	1	CHP	2	2621.500	-33.00	-10	Pass
2625	2630.46	1	CHP	3	2625.005	-42.14	-13	Pass
2630.46	2635	1	CHP	4	2630.490	-48.53	-25	Pass

Band38_10MHz_QPSK_HCH_2615MHz_RB_50_0_NTNV

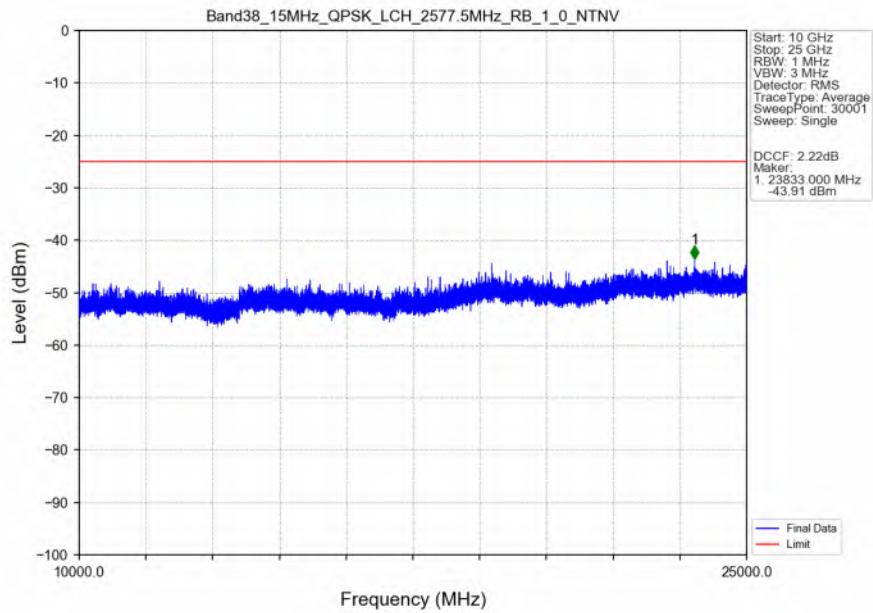


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2610	2620	0.209	CHP	/	/	/	/	/
2620	2621	0.209	CHP	1	2620.075	-26.41	-10	Pass
2621	2625	1	CHP	2	2621.500	-23.27	-10	Pass
2625	2630.46	1	CHP	3	2625.025	-26.72	-13	Pass
2630.46	2635	1	CHP	4	2631.750	-39.13	-25	Pass

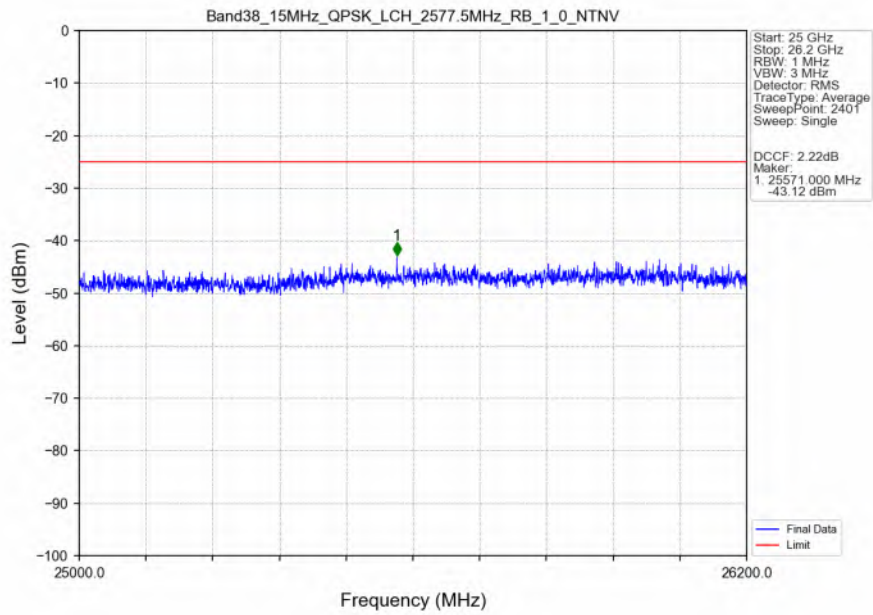
5.2.3 B38_15MHz



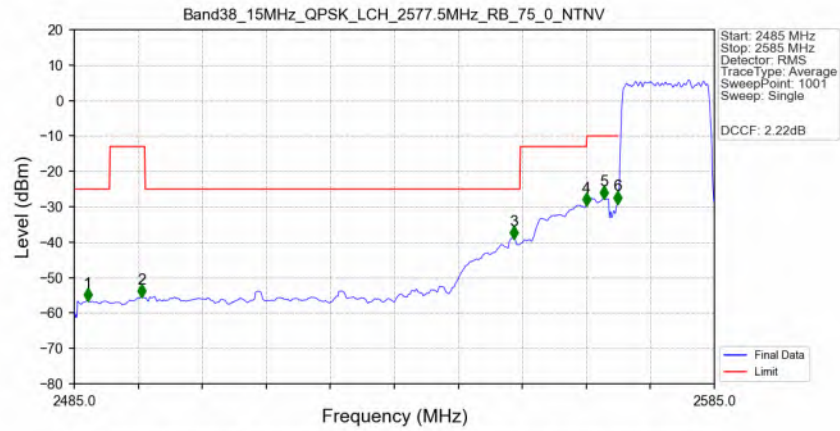
Band38_15MHz_QPSK_LCH_2577.5MHz_RB_1_0_NTNV



Band38_15MHz_QPSK_LCH_2577.5MHz_RB_1_0_NTNV

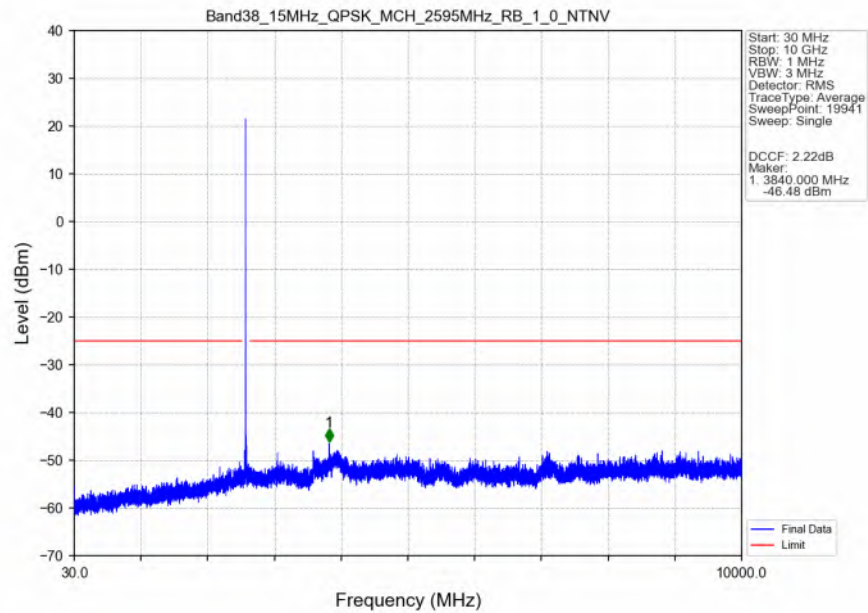


Band38 15MHz QPSK LCH 2577.5MHz RB 75 0 NTNV

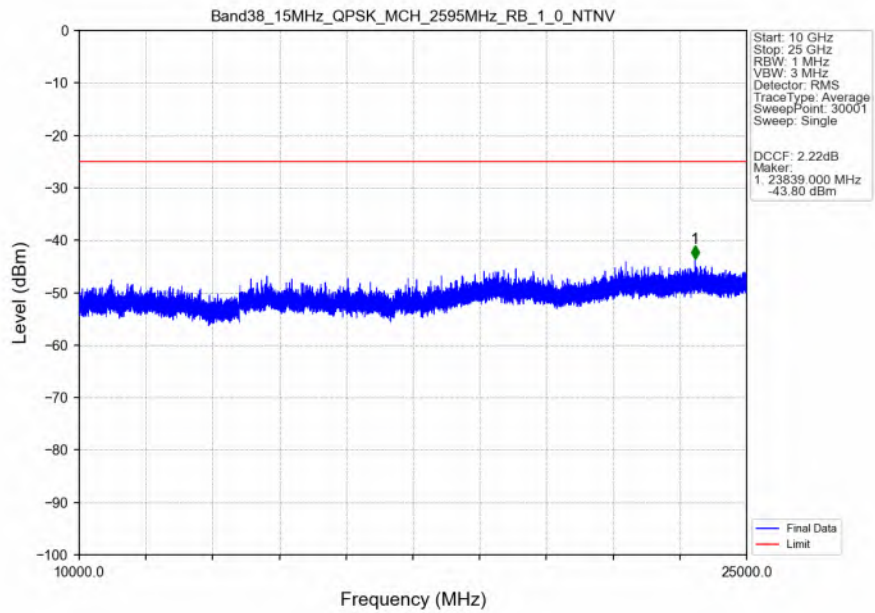


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2487.100	-56.40	-25	Pass
2490.5	2496	1	CHP	2	2495.500	-55.35	-13	Pass
2496	2554.615	1	CHP	3	2553.700	-38.91	-25	Pass
2554.615	2565	1	CHP	4	2565.000	-29.44	-13	Pass
2565	2569	1	CHP	5	2567.700	-27.61	-10	Pass
2569	2570	0.308	CHP	6	2569.900	-28.96	-10	Pass
2570	2585	0.308	CHP	/	/	/	/	/

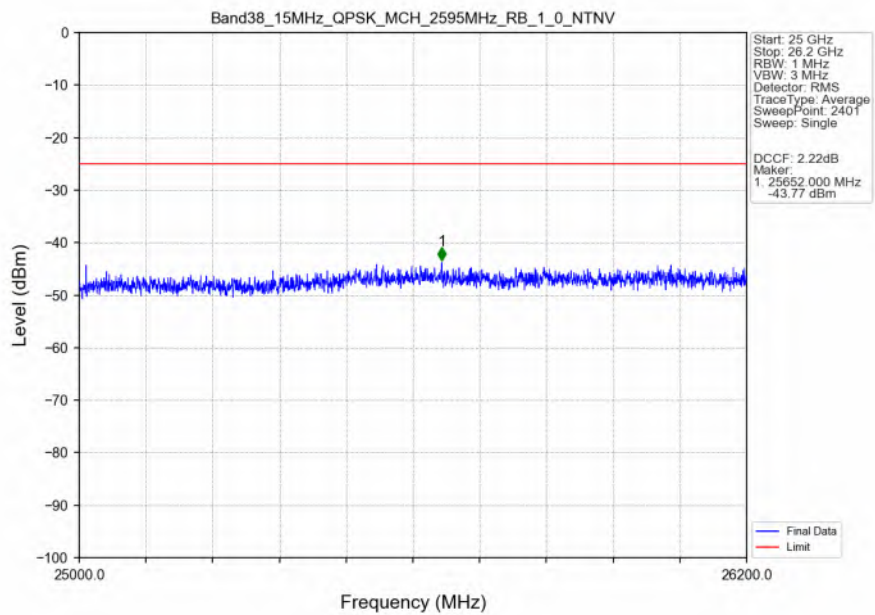
Band38 15MHz QPSK MCH 2595MHz RB 1 0 NTNV



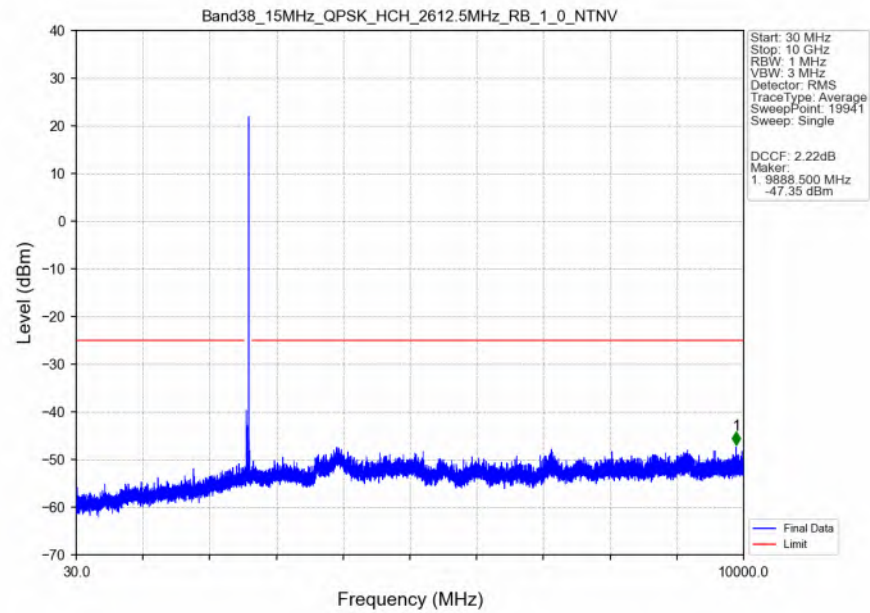
Band38 15MHz QPSK MCH 2595MHz RB 1 0 NTNV



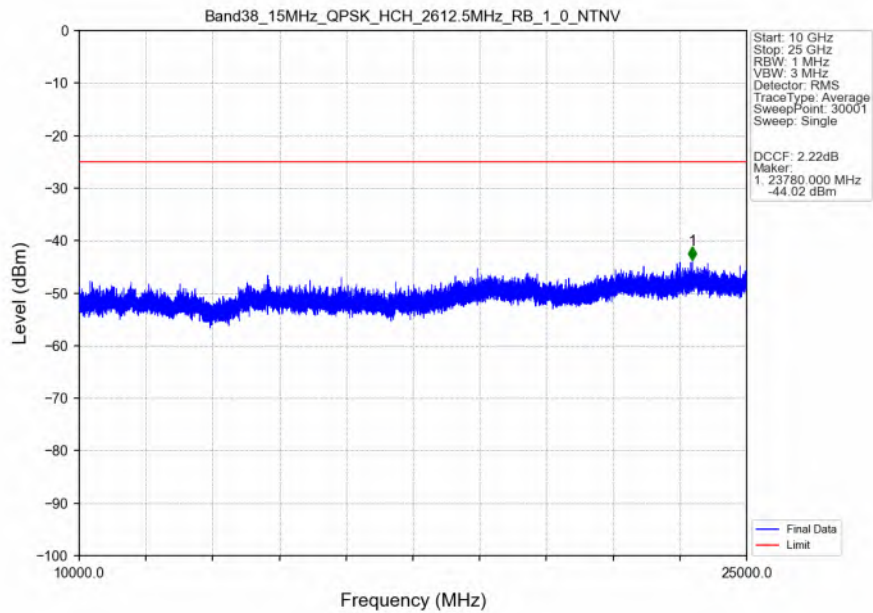
Band38 15MHz QPSK MCH 2595MHz RB 1 0 NTNV



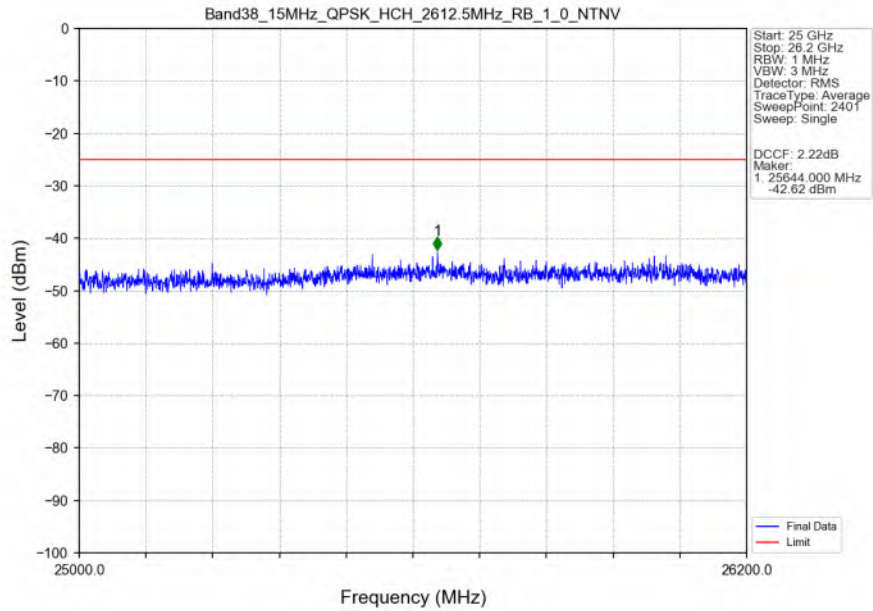
Band38 15MHz QPSK HCH 2612.5MHz RB 1 0 NTV



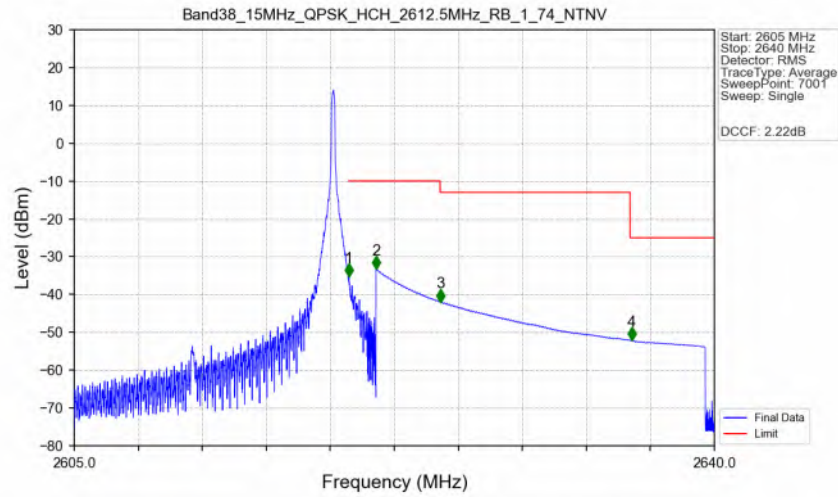
Band38 15MHz QPSK HCH 2612.5MHz RB 1 0 NTV



Band38 15MHz QPSK HCH 2612.5MHz RB 1 0 NTNV

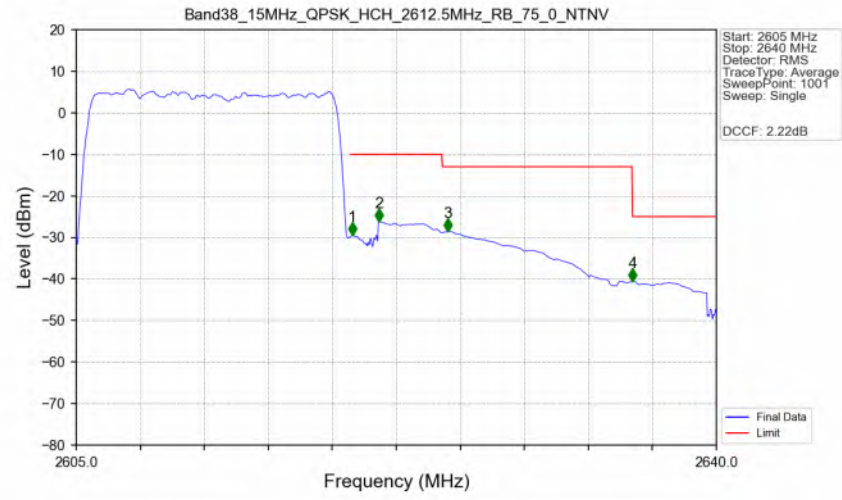


Band38 15MHz QPSK HCH 2612.5MHz RB 1 74 NTNV



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	2620.010	-35.26	-10	Pass
2621	2625	1	CHP	2	2621.500	-33.29	-10	Pass
2625	2635.385	1	CHP	3	2625.005	-41.97	-13	Pass
2635.385	2640	1	CHP	4	2635.490	-52.10	-25	Pass

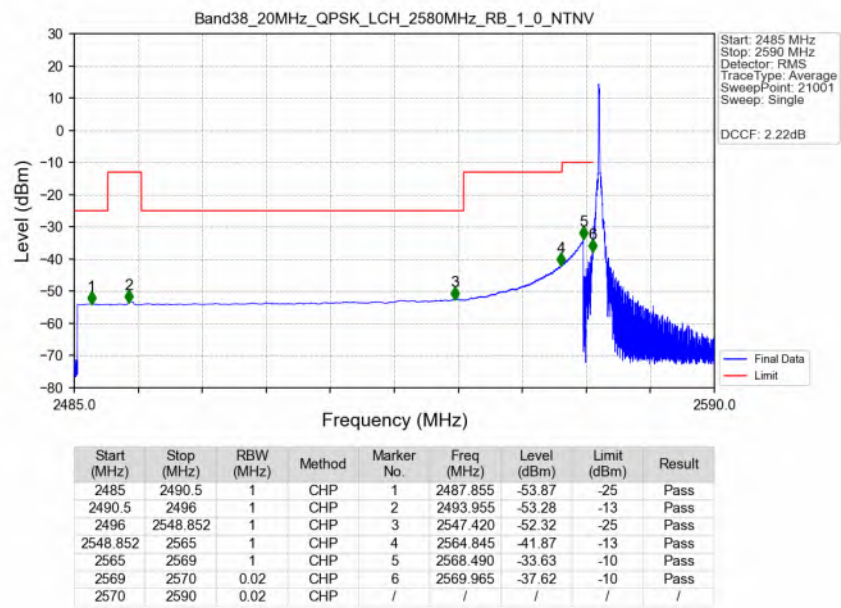
Band38 15MHz QPSK HCH 2612.5MHz RB 75 0 NTN



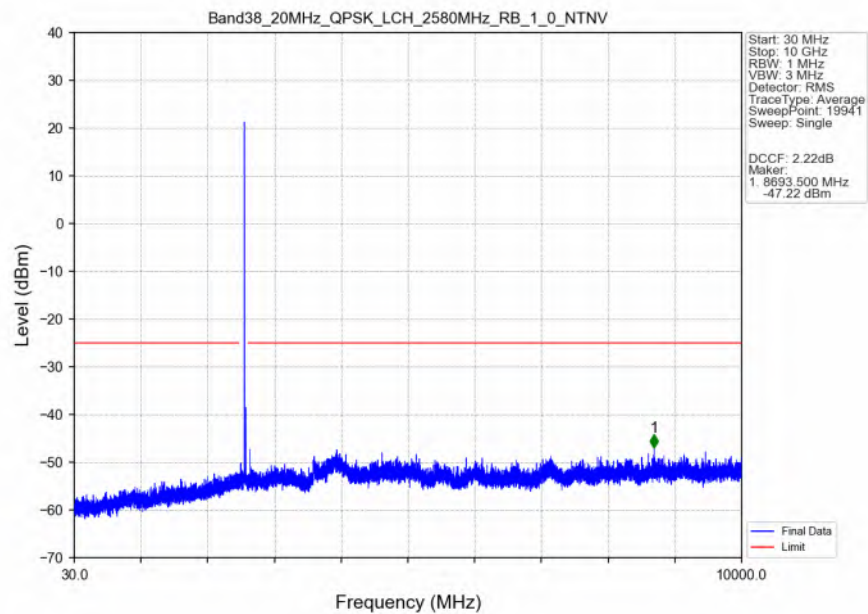
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2605	2620	0.308	CHP	/	/	/	/	/
2620	2621	0.308	CHP	1	2620.085	-29.42	-10	Pass
2621	2625	1	CHP	2	2621.555	-26.27	-10	Pass
2625	2635.385	1	CHP	3	2625.300	-28.57	-13	Pass
2635.385	2640	1	CHP	4	2635.415	-40.57	-25	Pass

5.2.4 B38_20MHz

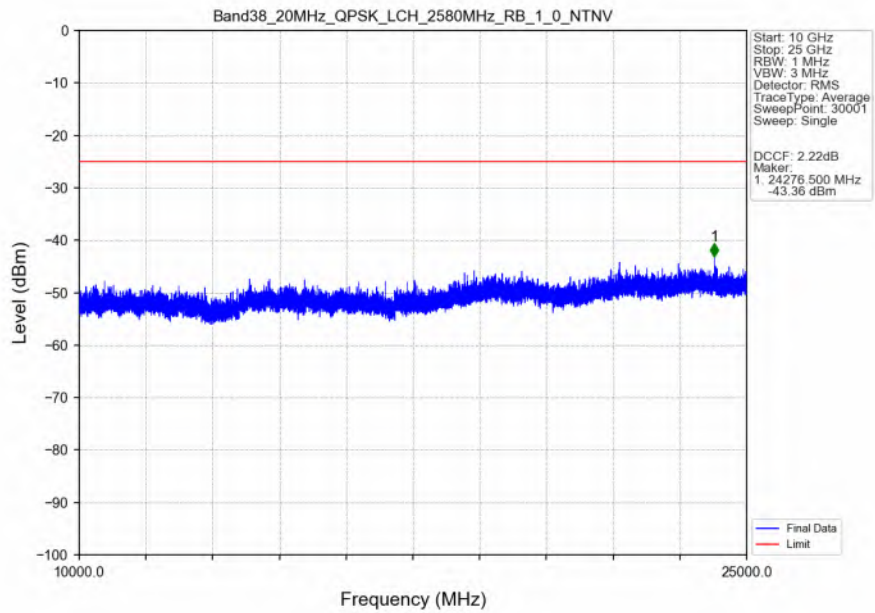
Band38_20MHz_QPSK_LCH_2580MHz_RB_1_0_NTNV



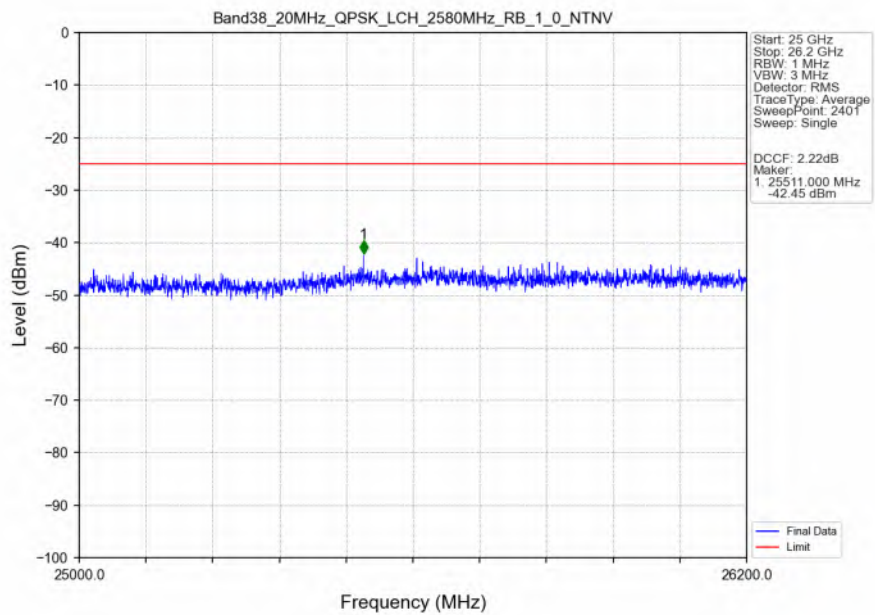
Band38_20MHz_QPSK_LCH_2580MHz_RB_1_0_NTNV



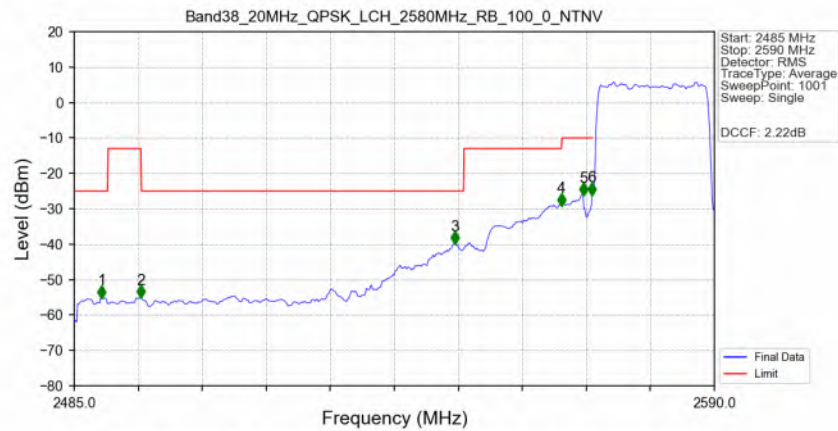
Band38 20MHz QPSK LCH 2580MHz RB 1 0 NTN



Band38 20MHz QPSK LCH 2580MHz RB 1 0 NTN

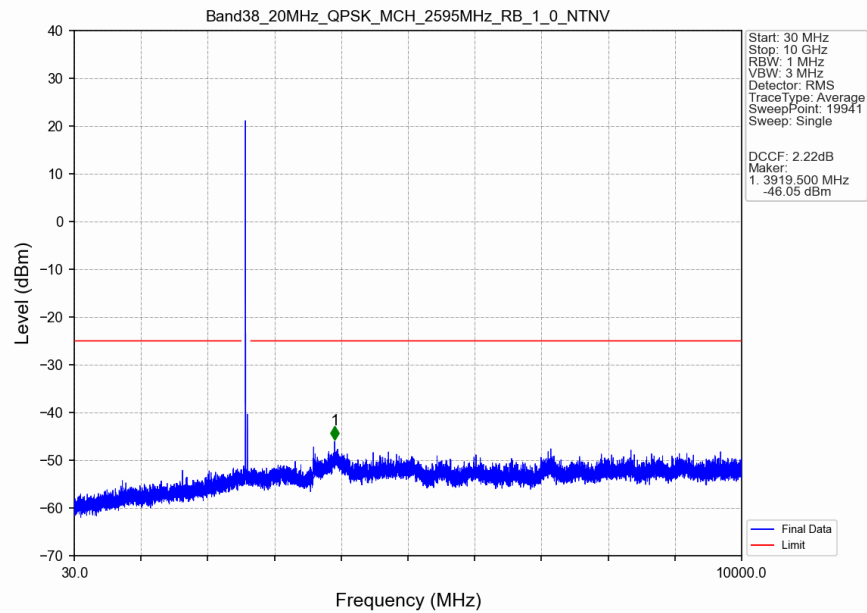


Band38 20MHz QPSK LCH 2580MHz RB 100 0 NTV

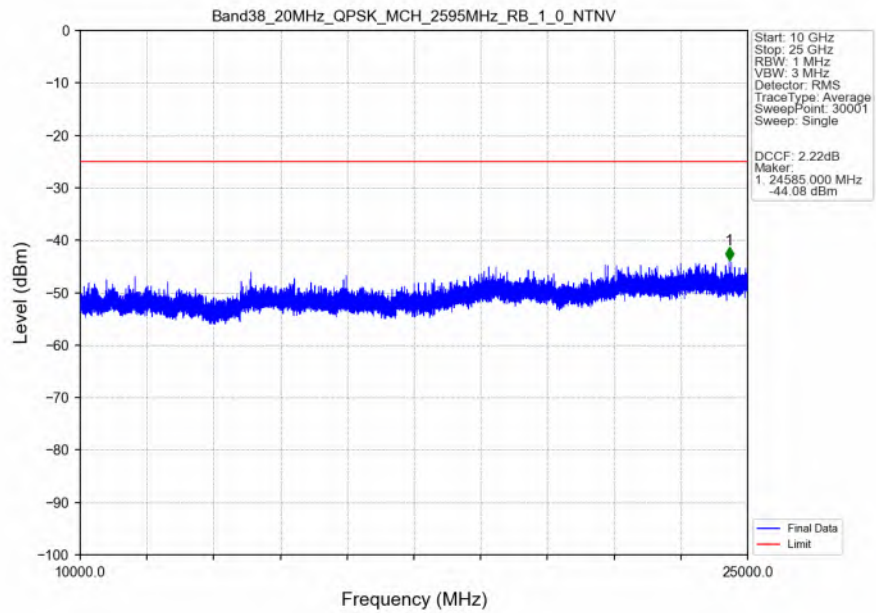


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2489.515	-55.01	-25	Pass
2490.5	2496	1	CHP	2	2495.920	-54.84	-13	Pass
2496	2548.852	1	CHP	3	2547.370	-39.80	-25	Pass
2548.852	2565	1	CHP	4	2564.905	-28.95	-13	Pass
2565	2569	1	CHP	5	2568.475	-26.00	-10	Pass
2569	2570	0.423	CHP	6	2569.945	-25.93	-10	Pass
2570	2590	0.423	CHP	/	/	/	/	/

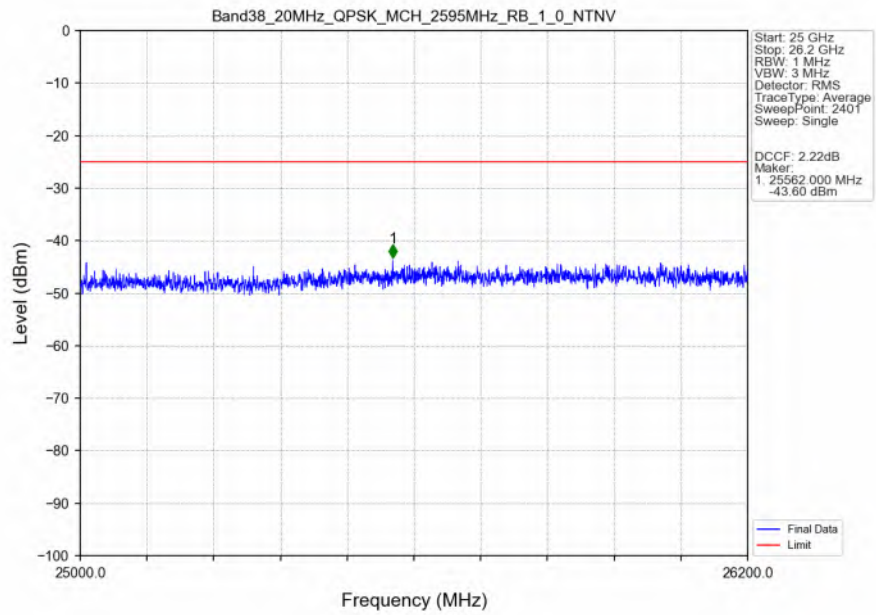
Band38 20MHz QPSK MCH 2595MHz RB 1 0 NTV



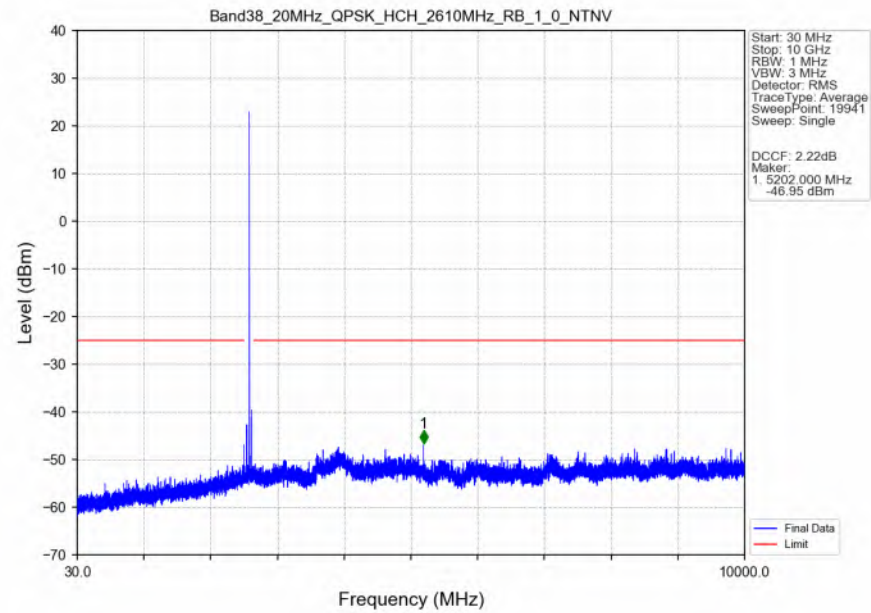
Band38 20MHz QPSK MCH 2595MHz RB 1 0 NTNV



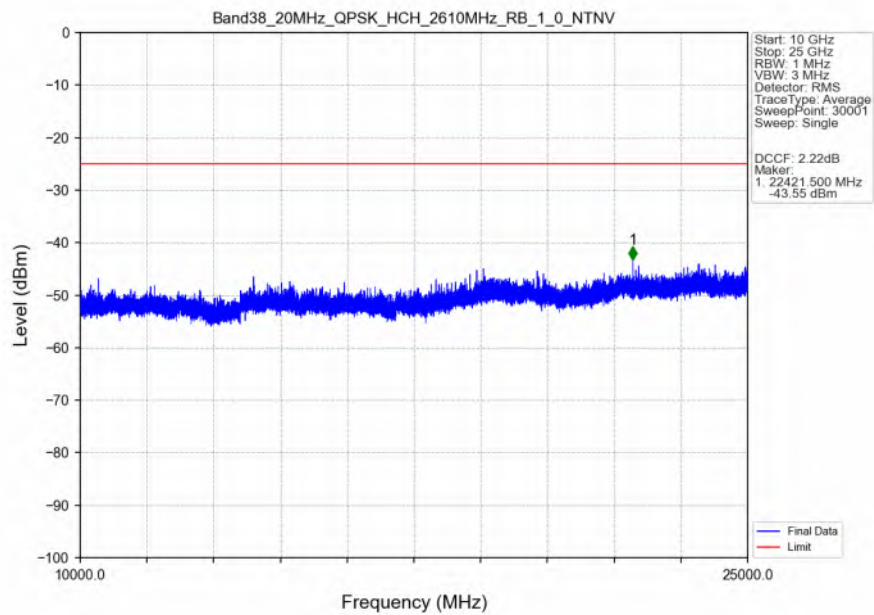
Band38 20MHz QPSK MCH 2595MHz RB 1 0 NTNV



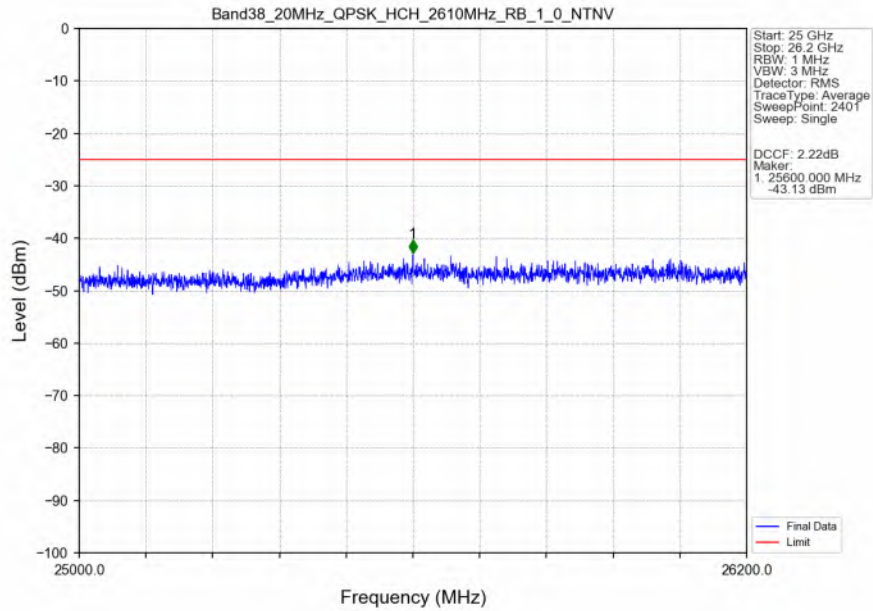
Band38 20MHz QPSK HCH 2610MHz RB 1 0 NTN



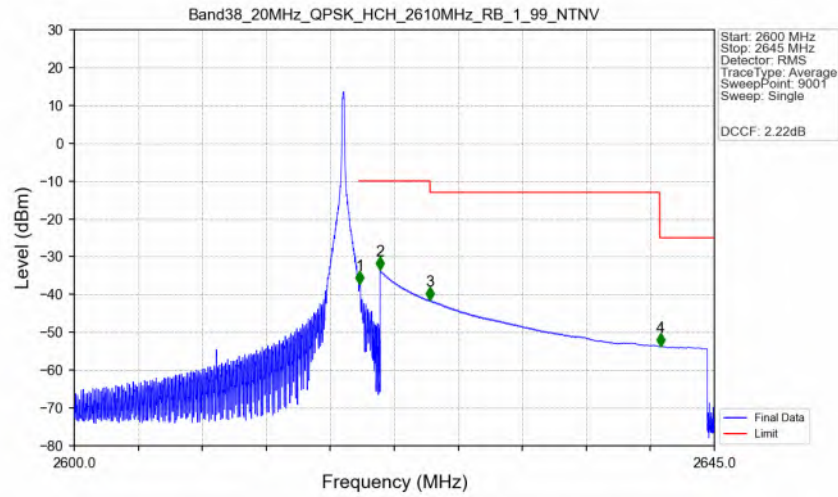
Band38 20MHz QPSK HCH 2610MHz RB 1 0 NTN



Band38 20MHz QPSK HCH 2610MHz RB 1 0 NTV

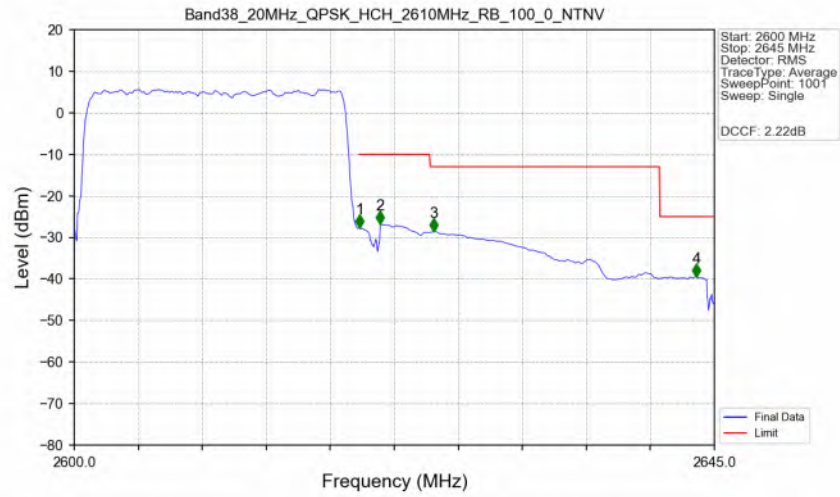


Band38 20MHz QPSK HCH 2610MHz RB 1 99 NTV



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	2620.075	-37.33	-10	Pass
2621	2625	1	CHP	2	2621.500	-33.52	-10	Pass
2625	2641.148	1	CHP	3	2625.005	-41.51	-13	Pass
2641.148	2645	1	CHP	4	2641.200	-53.67	-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	0.423	CHP	/	/	/	/	/
2620	2621	0.423	CHP	1	2620.070	-27.67	-10	Pass
2621	2625	1	CHP	2	2621.510	-26.80	-10	Pass
2625	2641.148	1	CHP	3	2625.290	-28.55	-13	Pass
2641.148	2645	1	CHP	4	2643.740	-39.49	-25	Pass