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	23.85	0.73	24.58	<=33.01	Pass
			13	23.81	0.73	24.54	<=33.01	Pass
			24	23.78	0.73	24.51	<=33.01	Pass
		12	0	22.86	0.73	23.59	<=33.01	Pass
			6	22.99	0.73	23.72	<=33.01	Pass
			13	22.97	0.73	23.70	<=33.01	Pass
		25	0	22.99	0.73	23.72	<=33.01	Pass
	2595	1	0	23.58	0.73	24.31	<=33.01	Pass
			13	23.83	0.73	24.56	<=33.01	Pass
			24	23.75	0.73	24.48	<=33.01	Pass
		12	0	22.90	0.73	23.63	<=33.01	Pass
			6	22.99	0.73	23.72	<=33.01	Pass
			13	22.90	0.73	23.63	<=33.01	Pass
		25	0	22.86	0.73	23.59	<=33.01	Pass
	2617.5	1	0	23.65	0.73	24.38	<=33.01	Pass
			13	23.61	0.73	24.34	<=33.01	Pass
			24	23.51	0.73	24.24	<=33.01	Pass
		12	0	22.75	0.73	23.48	<=33.01	Pass
			6	22.69	0.73	23.42	<=33.01	Pass
			13	22.61	0.73	23.34	<=33.01	Pass
		25	0	22.74	0.73	23.47	<=33.01	Pass
16QAM	2572.5	1	0	23.01	0.73	23.74	<=33.01	Pass
			13	22.95	0.73	23.68	<=33.01	Pass
			24	22.66	0.73	23.39	<=33.01	Pass
		12	0	22.04	0.73	22.77	<=33.01	Pass
			6	22.10	0.73	22.83	<=33.01	Pass
			13	22.00	0.73	22.73	<=33.01	Pass
		25	0	22.05	0.73	22.78	<=33.01	Pass
	2595	1	0	22.93	0.73	23.66	<=33.01	Pass
			13	22.86	0.73	23.59	<=33.01	Pass
			24	22.60	0.73	23.33	<=33.01	Pass
		12	0	21.79	0.73	22.52	<=33.01	Pass
			6	21.89	0.73	22.62	<=33.01	Pass
			13	21.96	0.73	22.69	<=33.01	Pass
		25	0	21.84	0.73	22.57	<=33.01	Pass
	2617.5	1	0	22.50	0.73	23.23	<=33.01	Pass
			13	22.62	0.73	23.35	<=33.01	Pass
			24	22.61	0.73	23.34	<=33.01	Pass
		12	0	21.61	0.73	22.34	<=33.01	Pass
			6	21.65	0.73	22.38	<=33.01	Pass
			13	21.72	0.73	22.45	<=33.01	Pass
		25	0	21.55	0.73	22.28	<=33.01	Pass
64QAM	2572.5	1	0	22.90	0.73	23.63	<=33.01	Pass
			13	22.78	0.73	23.51	<=33.01	Pass
			24	22.66	0.73	23.39	<=33.01	Pass
		12	0	22.11	0.73	22.84	<=33.01	Pass
			6	22.03	0.73	22.76	<=33.01	Pass
			13	21.98	0.73	22.71	<=33.01	Pass
		25	0	22.05	0.73	22.78	<=33.01	Pass

	2595	1	0	22.54	0.73	23.27	<=33.01	Pass
			13	22.87	0.73	23.60	<=33.01	Pass
			24	22.46	0.73	23.19	<=33.01	Pass
		12	0	21.88	0.73	22.61	<=33.01	Pass
			6	21.96	0.73	22.69	<=33.01	Pass
			13	21.83	0.73	22.56	<=33.01	Pass
		25	0	21.84	0.73	22.57	<=33.01	Pass
	2617.5	1	0	22.67	0.73	23.40	<=33.01	Pass
			13	22.66	0.73	23.39	<=33.01	Pass
			24	22.36	0.73	23.09	<=33.01	Pass
		12	0	21.72	0.73	22.45	<=33.01	Pass
			6	21.73	0.73	22.46	<=33.01	Pass
			13	21.60	0.73	22.33	<=33.01	Pass
		25	0	21.67	0.73	22.40	<=33.01	Pass
256QAM	2572.5	1	0	18.97	0.73	19.70	<=33.01	Pass
			13	18.96	0.73	19.69	<=33.01	Pass
			24	18.86	0.73	19.59	<=33.01	Pass
		12	0	19.05	0.73	19.78	<=33.01	Pass
			6	19.01	0.73	19.74	<=33.01	Pass
			13	18.92	0.73	19.65	<=33.01	Pass
		25	0	18.97	0.73	19.70	<=33.01	Pass
	2595	1	0	18.69	0.73	19.42	<=33.01	Pass
			13	18.98	0.73	19.71	<=33.01	Pass
			24	18.69	0.73	19.42	<=33.01	Pass
		12	0	18.83	0.73	19.56	<=33.01	Pass
			6	18.93	0.73	19.66	<=33.01	Pass
			13	18.77	0.73	19.50	<=33.01	Pass
		25	0	18.78	0.73	19.51	<=33.01	Pass
	2617.5	1	0	18.61	0.73	19.34	<=33.01	Pass
			13	18.49	0.73	19.22	<=33.01	Pass
			24	18.39	0.73	19.12	<=33.01	Pass
		12	0	18.70	0.73	19.43	<=33.01	Pass
			6	18.62	0.73	19.35	<=33.01	Pass
			13	18.55	0.73	19.28	<=33.01	Pass
		25	0	18.64	0.73	19.37	<=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	23.99	0.73	24.72	<=33.01	Pass
			25	24.07	0.73	24.80	<=33.01	Pass
			49	23.80	0.73	24.53	<=33.01	Pass
		25	0	22.89	0.73	23.62	<=33.01	Pass
			13	23.03	0.73	23.76	<=33.01	Pass
			25	23.01	0.73	23.74	<=33.01	Pass
		50	0	23.03	0.73	23.76	<=33.01	Pass
	2595	1	0	23.91	0.73	24.64	<=33.01	Pass
			25	23.91	0.73	24.64	<=33.01	Pass
			49	23.77	0.73	24.50	<=33.01	Pass
		25	0	22.89	0.73	23.62	<=33.01	Pass
			13	22.90	0.73	23.63	<=33.01	Pass
			25	22.91	0.73	23.64	<=33.01	Pass
		50	0	22.86	0.73	23.59	<=33.01	Pass
	2615	1	0	23.50	0.73	24.23	<=33.01	Pass

			25	23.54	0.73	24.27	<=33.01	Pass
			49	23.25	0.73	23.98	<=33.01	Pass
		25	0	22.69	0.73	23.42	<=33.01	Pass
			13	22.60	0.73	23.33	<=33.01	Pass
			25	22.57	0.73	23.30	<=33.01	Pass
		50	0	22.64	0.73	23.37	<=33.01	Pass
16QAM	2575	1	0	23.01	0.73	23.74	<=33.01	Pass
			25	22.89	0.73	23.62	<=33.01	Pass
			49	22.80	0.73	23.53	<=33.01	Pass
		25	0	22.08	0.73	22.81	<=33.01	Pass
			13	22.05	0.73	22.78	<=33.01	Pass
			25	22.01	0.73	22.74	<=33.01	Pass
		50	0	22.04	0.73	22.77	<=33.01	Pass
	2595	1	0	22.86	0.73	23.59	<=33.01	Pass
			25	22.82	0.73	23.55	<=33.01	Pass
			49	22.79	0.73	23.52	<=33.01	Pass
		25	0	21.92	0.73	22.65	<=33.01	Pass
			13	21.91	0.73	22.64	<=33.01	Pass
			25	21.88	0.73	22.61	<=33.01	Pass
		50	0	21.85	0.73	22.58	<=33.01	Pass
	2615	1	0	22.61	0.73	23.34	<=33.01	Pass
			25	22.63	0.73	23.36	<=33.01	Pass
			49	22.61	0.73	23.34	<=33.01	Pass
		25	0	21.76	0.73	22.49	<=33.01	Pass
			13	21.67	0.73	22.40	<=33.01	Pass
			25	21.64	0.73	22.37	<=33.01	Pass
		50	0	21.76	0.73	22.49	<=33.01	Pass
64QAM	2575	1	0	22.96	0.73	23.69	<=33.01	Pass
			25	22.85	0.73	23.58	<=33.01	Pass
			49	22.56	0.73	23.29	<=33.01	Pass
		25	0	22.01	0.73	22.74	<=33.01	Pass
			13	22.05	0.73	22.78	<=33.01	Pass
			25	22.00	0.73	22.73	<=33.01	Pass
		50	0	22.02	0.73	22.75	<=33.01	Pass
	2595	1	0	22.67	0.73	23.40	<=33.01	Pass
			25	22.62	0.73	23.35	<=33.01	Pass
			49	22.74	0.73	23.47	<=33.01	Pass
		25	0	21.91	0.73	22.64	<=33.01	Pass
			13	21.95	0.73	22.68	<=33.01	Pass
			25	21.90	0.73	22.63	<=33.01	Pass
		50	0	21.88	0.73	22.61	<=33.01	Pass
	2615	1	0	22.61	0.73	23.34	<=33.01	Pass
			25	22.64	0.73	23.37	<=33.01	Pass
			49	22.52	0.73	23.25	<=33.01	Pass
		25	0	21.80	0.73	22.53	<=33.01	Pass
			13	21.70	0.73	22.43	<=33.01	Pass
			25	21.60	0.73	22.33	<=33.01	Pass
		50	0	21.56	0.73	22.29	<=33.01	Pass
256QAM	2575	1	0	18.94	0.73	19.67	<=33.01	Pass
			25	18.78	0.73	19.51	<=33.01	Pass
			49	18.75	0.73	19.48	<=33.01	Pass
		25	0	19.05	0.73	19.78	<=33.01	Pass
			13	19.05	0.73	19.78	<=33.01	Pass
			25	18.89	0.73	19.62	<=33.01	Pass
		50	0	18.97	0.73	19.70	<=33.01	Pass
	2595	1	0	18.83	0.73	19.56	<=33.01	Pass
			25	18.92	0.73	19.65	<=33.01	Pass
			49	18.69	0.73	19.42	<=33.01	Pass
		25	0	18.85	0.73	19.58	<=33.01	Pass

			13	18.89	0.73	19.62	<=33.01	Pass
			25	18.82	0.73	19.55	<=33.01	Pass
		50	0	18.85	0.73	19.58	<=33.01	Pass
	2615	1	0	18.67	0.73	19.40	<=33.01	Pass
			25	18.57	0.73	19.30	<=33.01	Pass
			49	18.40	0.73	19.13	<=33.01	Pass
		25	0	18.75	0.73	19.48	<=33.01	Pass
			13	18.76	0.73	19.49	<=33.01	Pass
			25	18.50	0.73	19.23	<=33.01	Pass
		50	0	18.73	0.73	19.46	<=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	24.01	0.73	24.74	<=33.01	Pass
			38	23.93	0.73	24.66	<=33.01	Pass
			74	23.84	0.73	24.57	<=33.01	Pass
		36	0	23.05	0.73	23.78	<=33.01	Pass
			18	23.02	0.73	23.75	<=33.01	Pass
			39	22.91	0.73	23.64	<=33.01	Pass
		75	0	23.02	0.73	23.75	<=33.01	Pass
	2595	1	0	23.67	0.73	24.40	<=33.01	Pass
			38	23.63	0.73	24.36	<=33.01	Pass
			74	23.57	0.73	24.30	<=33.01	Pass
		36	0	22.87	0.73	23.60	<=33.01	Pass
			18	22.87	0.73	23.60	<=33.01	Pass
			39	22.83	0.73	23.56	<=33.01	Pass
		75	0	22.84	0.73	23.57	<=33.01	Pass
	2612.5	1	0	23.66	0.73	24.39	<=33.01	Pass
			38	23.58	0.73	24.31	<=33.01	Pass
			74	23.46	0.73	24.19	<=33.01	Pass
		36	0	22.80	0.73	23.53	<=33.01	Pass
			18	22.80	0.73	23.53	<=33.01	Pass
			39	22.70	0.73	23.43	<=33.01	Pass
		75	0	22.59	0.73	23.32	<=33.01	Pass
16QAM	2577.5	1	0	22.74	0.73	23.47	<=33.01	Pass
			38	22.77	0.73	23.50	<=33.01	Pass
			74	22.88	0.73	23.61	<=33.01	Pass
		36	0	22.06	0.73	22.79	<=33.01	Pass
			18	22.05	0.73	22.78	<=33.01	Pass
			39	21.95	0.73	22.68	<=33.01	Pass
		75	0	22.00	0.73	22.73	<=33.01	Pass
	2595	1	0	22.86	0.73	23.59	<=33.01	Pass
			38	22.72	0.73	23.45	<=33.01	Pass
			74	22.81	0.73	23.54	<=33.01	Pass
		36	0	21.89	0.73	22.62	<=33.01	Pass
			18	21.90	0.73	22.63	<=33.01	Pass
			39	21.87	0.73	22.60	<=33.01	Pass
		75	0	21.84	0.73	22.57	<=33.01	Pass
	2612.5	1	0	22.60	0.73	23.33	<=33.01	Pass
			38	22.54	0.73	23.27	<=33.01	Pass
			74	22.57	0.73	23.30	<=33.01	Pass
		36	0	21.81	0.73	22.54	<=33.01	Pass
			18	21.80	0.73	22.53	<=33.01	Pass

			39	21.64	0.73	22.37	<=33.01	Pass
		75	0	21.60	0.73	22.33	<=33.01	Pass
64QAM	2577.5	1	0	22.81	0.73	23.54	<=33.01	Pass
			38	22.63	0.73	23.36	<=33.01	Pass
			74	22.82	0.73	23.55	<=33.01	Pass
		36	0	22.06	0.73	22.79	<=33.01	Pass
			18	22.01	0.73	22.74	<=33.01	Pass
			39	21.92	0.73	22.65	<=33.01	Pass
		75	0	22.01	0.73	22.74	<=33.01	Pass
	2595	1	0	22.45	0.73	23.18	<=33.01	Pass
			38	22.69	0.73	23.42	<=33.01	Pass
			74	22.83	0.73	23.56	<=33.01	Pass
		36	0	21.89	0.73	22.62	<=33.01	Pass
			18	21.89	0.73	22.62	<=33.01	Pass
			39	21.83	0.73	22.56	<=33.01	Pass
		75	0	21.84	0.73	22.57	<=33.01	Pass
	2612.5	1	0	22.80	0.73	23.53	<=33.01	Pass
			38	22.62	0.73	23.35	<=33.01	Pass
			74	22.21	0.73	22.94	<=33.01	Pass
		36	0	21.79	0.73	22.52	<=33.01	Pass
			18	21.79	0.73	22.52	<=33.01	Pass
			39	21.58	0.73	22.31	<=33.01	Pass
		75	0	21.77	0.73	22.50	<=33.01	Pass
256QAM	2577.5	1	0	18.95	0.73	19.68	<=33.01	Pass
			38	19.00	0.73	19.73	<=33.01	Pass
			74	18.68	0.73	19.41	<=33.01	Pass
		36	0	19.03	0.73	19.76	<=33.01	Pass
			18	18.97	0.73	19.70	<=33.01	Pass
			39	18.89	0.73	19.62	<=33.01	Pass
		75	0	18.99	0.73	19.72	<=33.01	Pass
	2595	1	0	18.84	0.73	19.57	<=33.01	Pass
			38	18.92	0.73	19.65	<=33.01	Pass
			74	18.67	0.73	19.40	<=33.01	Pass
		36	0	18.89	0.73	19.62	<=33.01	Pass
			18	18.83	0.73	19.56	<=33.01	Pass
			39	18.82	0.73	19.55	<=33.01	Pass
		75	0	18.77	0.73	19.50	<=33.01	Pass
	2612.5	1	0	18.76	0.73	19.49	<=33.01	Pass
			38	18.73	0.73	19.46	<=33.01	Pass
			74	18.49	0.73	19.22	<=33.01	Pass
		36	0	18.78	0.73	19.51	<=33.01	Pass
			18	18.69	0.73	19.42	<=33.01	Pass
			39	18.54	0.73	19.27	<=33.01	Pass
		75	0	18.64	0.73	19.37	<=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	24.00	0.73	24.73	<=33.01	Pass
			50	23.95	0.73	24.68	<=33.01	Pass
			99	23.81	0.73	24.54	<=33.01	Pass
		50	0	23.07	0.73	23.80	<=33.01	Pass
			25	23.01	0.73	23.74	<=33.01	Pass
			50	22.93	0.73	23.66	<=33.01	Pass

		100	0	22.97	0.73	23.70	<=33.01	Pass
	2595	1	0	23.92	0.73	24.65	<=33.01	Pass
			50	23.86	0.73	24.59	<=33.01	Pass
			99	23.72	0.73	24.45	<=33.01	Pass
		50	0	22.77	0.73	23.50	<=33.01	Pass
			25	22.89	0.73	23.62	<=33.01	Pass
			50	22.81	0.73	23.54	<=33.01	Pass
		100	0	22.82	0.73	23.55	<=33.01	Pass
	2610	1	0	23.82	0.73	24.55	<=33.01	Pass
			50	23.71	0.73	24.44	<=33.01	Pass
			99	23.34	0.73	24.07	<=33.01	Pass
		50	0	22.72	0.73	23.45	<=33.01	Pass
			25	22.71	0.73	23.44	<=33.01	Pass
			50	22.57	0.73	23.30	<=33.01	Pass
		100	0	22.61	0.73	23.34	<=33.01	Pass
16QAM	2580	1	0	22.88	0.73	23.61	<=33.01	Pass
			50	23.11	0.73	23.84	<=33.01	Pass
			99	22.80	0.73	23.53	<=33.01	Pass
		50	0	22.07	0.73	22.80	<=33.01	Pass
			25	22.00	0.73	22.73	<=33.01	Pass
			50	21.93	0.73	22.66	<=33.01	Pass
		100	0	21.97	0.73	22.70	<=33.01	Pass
	2595	1	0	22.95	0.73	23.68	<=33.01	Pass
			50	22.85	0.73	23.58	<=33.01	Pass
			99	22.65	0.73	23.38	<=33.01	Pass
		50	0	21.91	0.73	22.64	<=33.01	Pass
			25	21.87	0.73	22.60	<=33.01	Pass
			50	21.83	0.73	22.56	<=33.01	Pass
		100	0	21.87	0.73	22.60	<=33.01	Pass
	2610	1	0	22.66	0.73	23.39	<=33.01	Pass
			50	22.69	0.73	23.42	<=33.01	Pass
			99	22.39	0.73	23.12	<=33.01	Pass
		50	0	21.82	0.73	22.55	<=33.01	Pass
			25	21.82	0.73	22.55	<=33.01	Pass
			50	21.70	0.73	22.43	<=33.01	Pass
		100	0	21.71	0.73	22.44	<=33.01	Pass
64QAM	2580	1	0	22.70	0.73	23.43	<=33.01	Pass
			50	22.80	0.73	23.53	<=33.01	Pass
			99	22.81	0.73	23.54	<=33.01	Pass
		50	0	22.03	0.73	22.76	<=33.01	Pass
			25	22.00	0.73	22.73	<=33.01	Pass
			50	21.91	0.73	22.64	<=33.01	Pass
		100	0	21.97	0.73	22.70	<=33.01	Pass
	2595	1	0	22.76	0.73	23.49	<=33.01	Pass
			50	22.82	0.73	23.55	<=33.01	Pass
			99	22.61	0.73	23.34	<=33.01	Pass
		50	0	21.96	0.73	22.69	<=33.01	Pass
			25	21.86	0.73	22.59	<=33.01	Pass
			50	21.87	0.73	22.60	<=33.01	Pass
		100	0	21.82	0.73	22.55	<=33.01	Pass
	2610	1	0	22.76	0.73	23.49	<=33.01	Pass
			50	22.62	0.73	23.35	<=33.01	Pass
			99	22.45	0.73	23.18	<=33.01	Pass
		50	0	21.75	0.73	22.48	<=33.01	Pass
			25	21.83	0.73	22.56	<=33.01	Pass
			50	21.49	0.73	22.22	<=33.01	Pass
		100	0	21.59	0.73	22.32	<=33.01	Pass
256QAM	2580	1	0	18.95	0.73	19.68	<=33.01	Pass
			50	18.97	0.73	19.70	<=33.01	Pass

			99	18.59	0.73	19.32	<=33.01	Pass
		50	0	19.03	0.73	19.76	<=33.01	Pass
			25	18.95	0.73	19.68	<=33.01	Pass
			50	18.90	0.73	19.63	<=33.01	Pass
		100	0	18.95	0.73	19.68	<=33.01	Pass
	2595	1	0	18.75	0.73	19.48	<=33.01	Pass
			50	18.87	0.73	19.60	<=33.01	Pass
			99	18.63	0.73	19.36	<=33.01	Pass
		50	0	18.88	0.73	19.61	<=33.01	Pass
			25	18.86	0.73	19.59	<=33.01	Pass
			50	18.80	0.73	19.53	<=33.01	Pass
		100	0	18.80	0.73	19.53	<=33.01	Pass
	2610	1	0	18.72	0.73	19.45	<=33.01	Pass
			50	18.72	0.73	19.45	<=33.01	Pass
			99	18.54	0.73	19.27	<=33.01	Pass
		50	0	18.79	0.73	19.52	<=33.01	Pass
			25	18.74	0.73	19.47	<=33.01	Pass
			50	18.63	0.73	19.36	<=33.01	Pass
		100	0	18.51	0.73	19.24	<=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 (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2595	50	0	20	LV	-1.600	-0.0006	-2.5 to 2.5	Pass
					HV	-0.800	-0.0003	-2.5 to 2.5	Pass
					NV	-2.100	-0.0008	-2.5 to 2.5	Pass
				-30	NV	-3.100	-0.0012	-2.5 to 2.5	Pass
				-20	NV	-2.400	-0.0009	-2.5 to 2.5	Pass
				-10	NV	-1.500	-0.0006	-2.5 to 2.5	Pass
				0	NV	-2.000	-0.0008	-2.5 to 2.5	Pass
				10	NV	-3.500	-0.0013	-2.5 to 2.5	Pass
				30	NV	-3.800	-0.0015	-2.5 to 2.5	Pass
				40	NV	-4.100	-0.0016	-2.5 to 2.5	Pass
				50	NV	-5.400	-0.0021	-2.5 to 2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 Band38_OBW

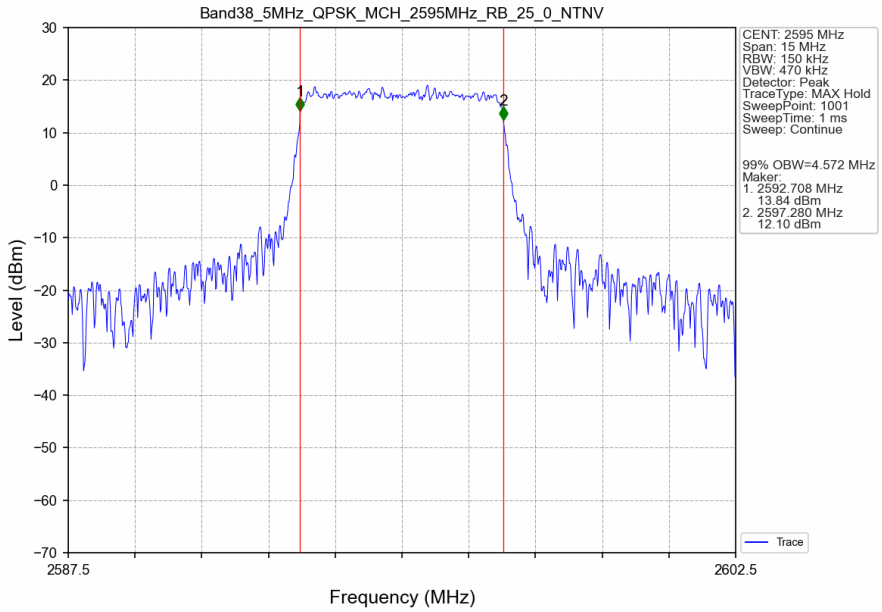
Band: 38 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2595	25	0	4.572	/	Pass
	16QAM	2595	25	0	4.575	/	Pass
10	QPSK	2595	50	0	9.065	/	Pass
	16QAM	2595	50	0	9.094	/	Pass
15	QPSK	2595	75	0	13.645	/	Pass
	16QAM	2595	75	0	13.588	/	Pass
20	QPSK	2595	100	0	18.175	/	Pass
	16QAM	2595	100	0	18.084	/	Pass

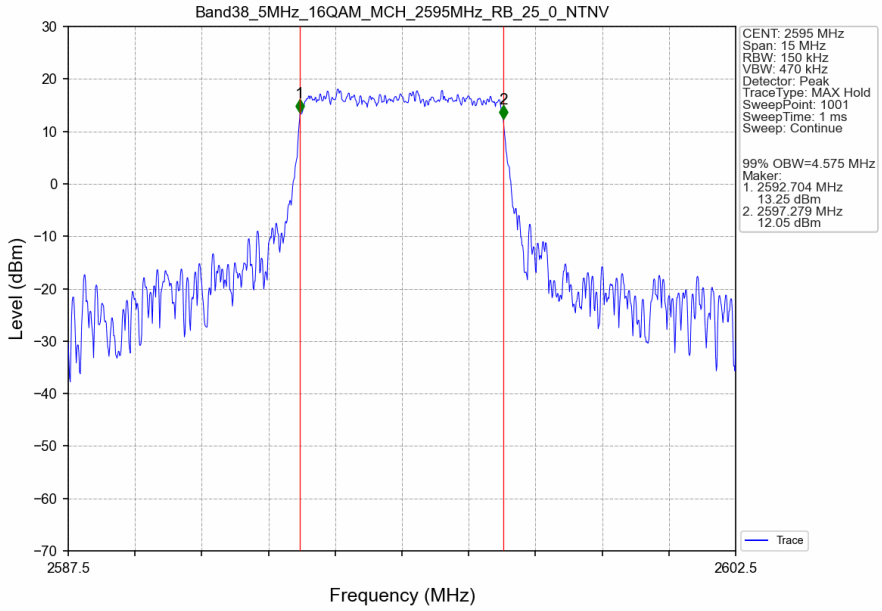
3.1.2 Band38_XDB

Band: 38 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2595	25	0	5.383	/	Pass
	16QAM	2595	25	0	5.722	/	Pass
10	QPSK	2595	50	0	10.503	/	Pass
	16QAM	2595	50	0	11.371	/	Pass
15	QPSK	2595	75	0	16.712	/	Pass
	16QAM	2595	75	0	16.139	/	Pass
20	QPSK	2595	100	0	24.066	/	Pass
	16QAM	2595	100	0	22.137	/	Pass

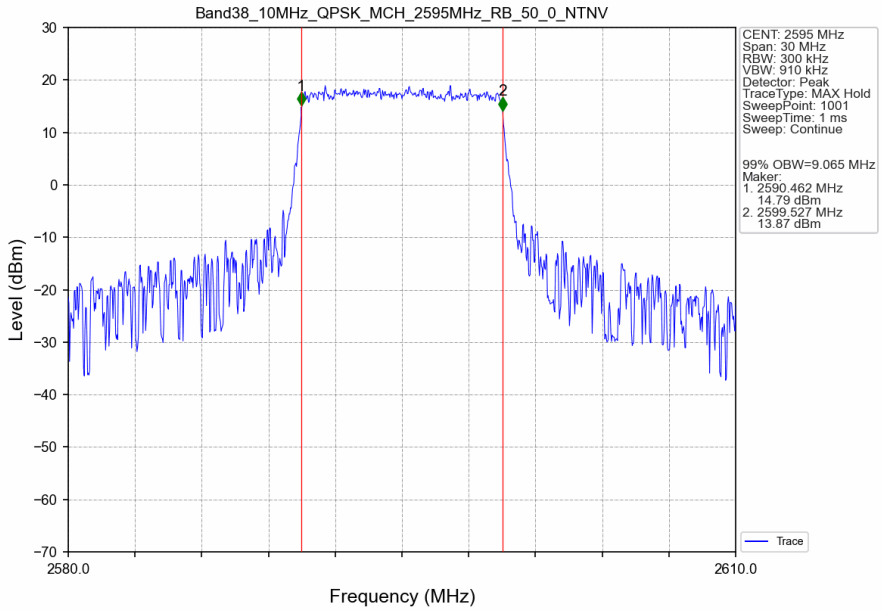
3.2 Test Graph

3.2.1 Band38_OBW

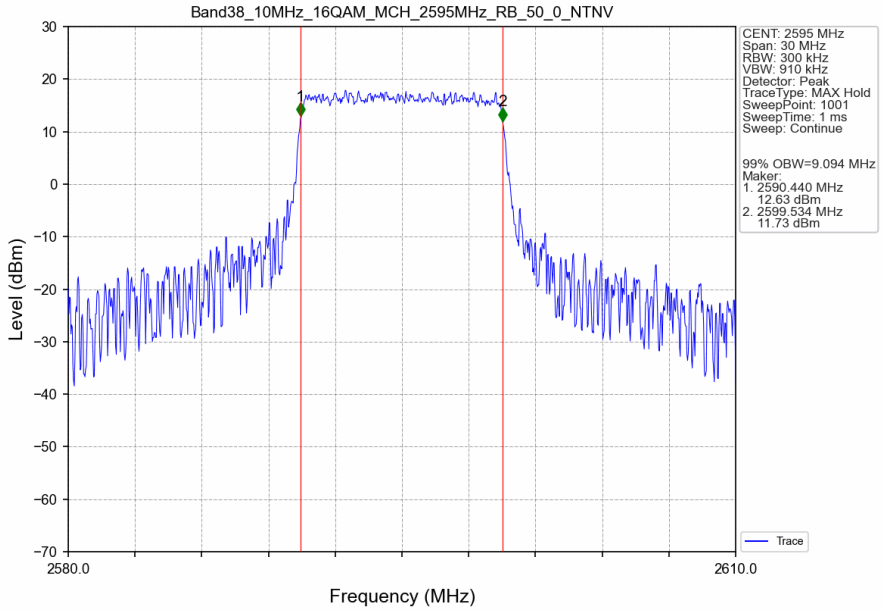
Band38_5MHz_QPSK_MCH_2595MHz_RB_25_0_NTNV


Band38_5MHz_16QAM_MCH_2595MHz_RB_25_0_NTNV


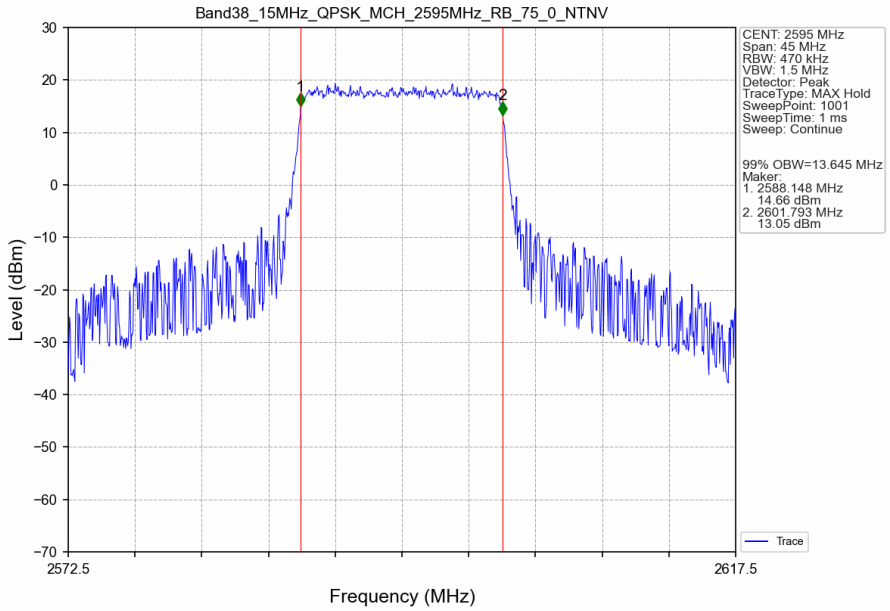
Band38_10MHz_QPSK_MCH_2595MHz_RB_50_0_NTNV



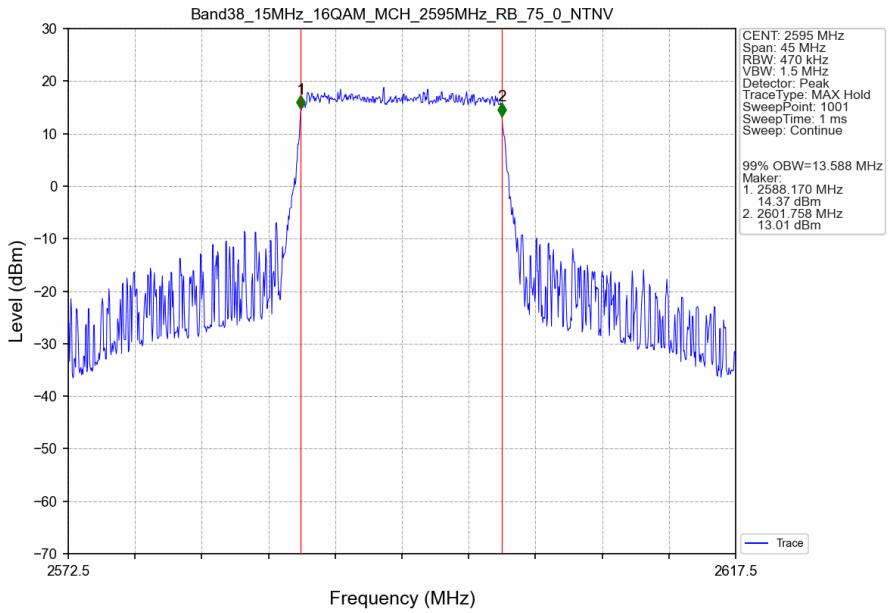
Band38_10MHz_16QAM_MCH_2595MHz_RB_50_0_NTNV



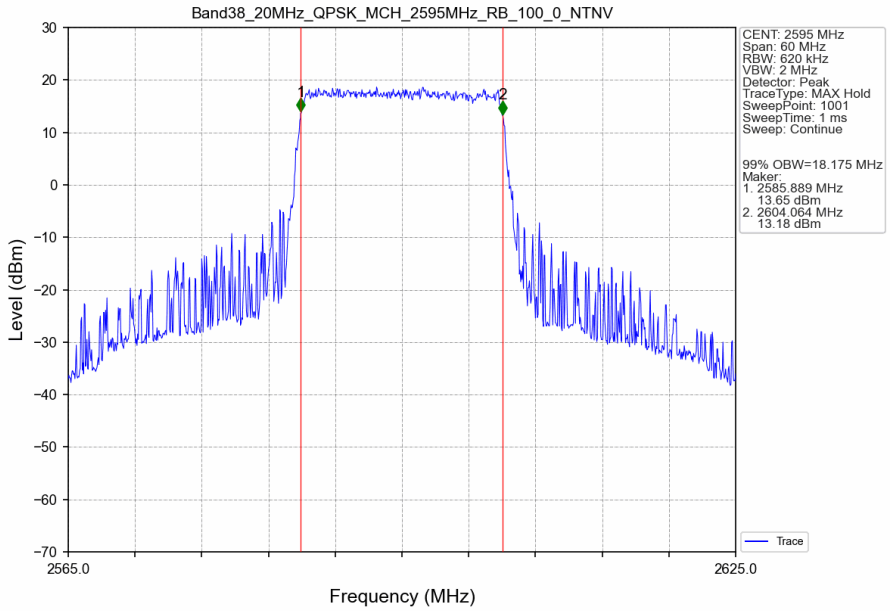
Band38_15MHz_QPSK_MCH_2595MHz_RB_75_0_NTNV



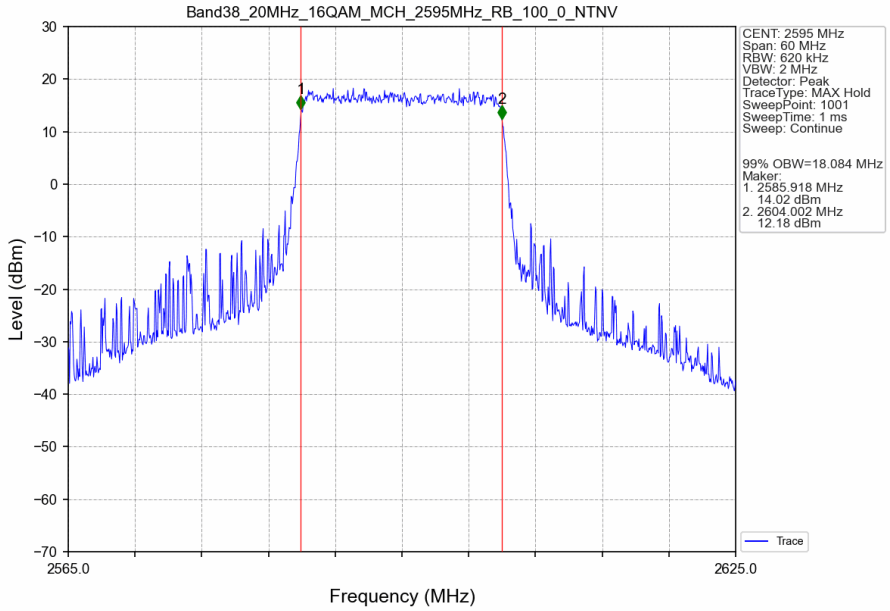
Band38_15MHz_16QAM_MCH_2595MHz_RB_75_0_NTNV



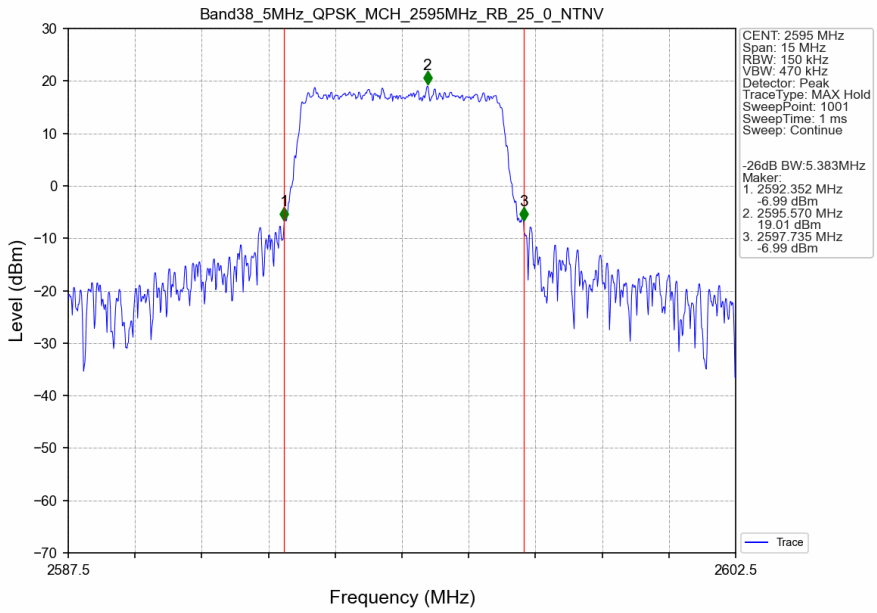
Band38_20MHz_QPSK_MCH_2595MHz_RB_100_0_NTNV

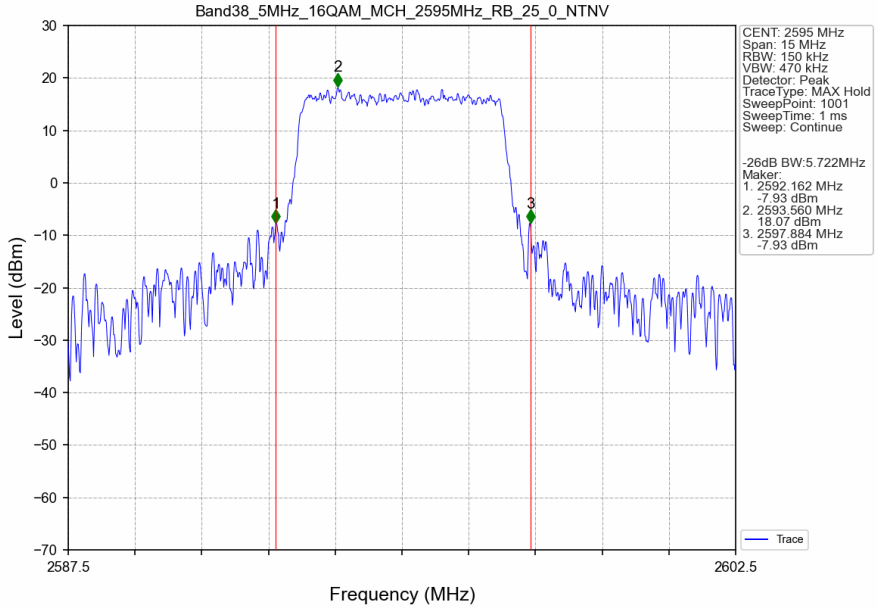


Band38_20MHz_16QAM_MCH_2595MHz_RB_100_0_NTNV

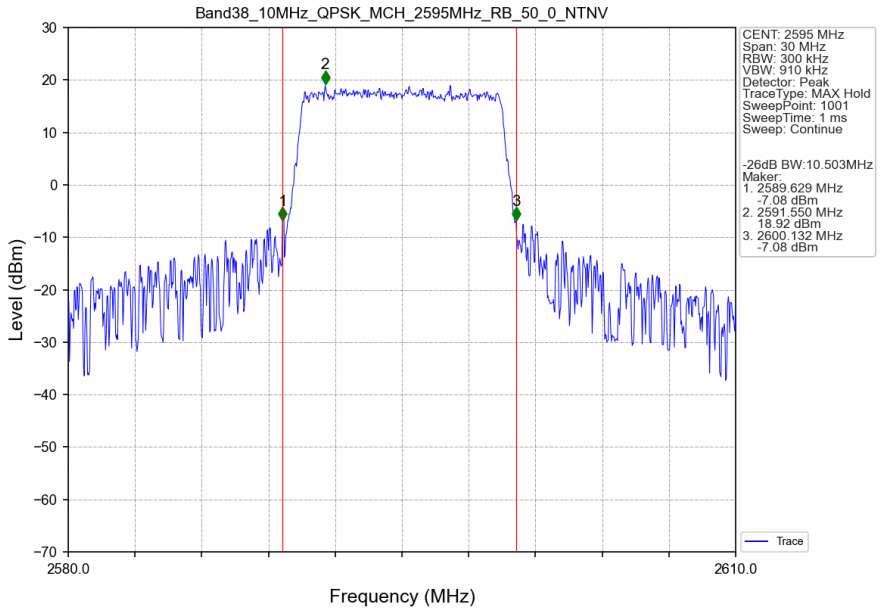


3.2.2 Band38_XDB

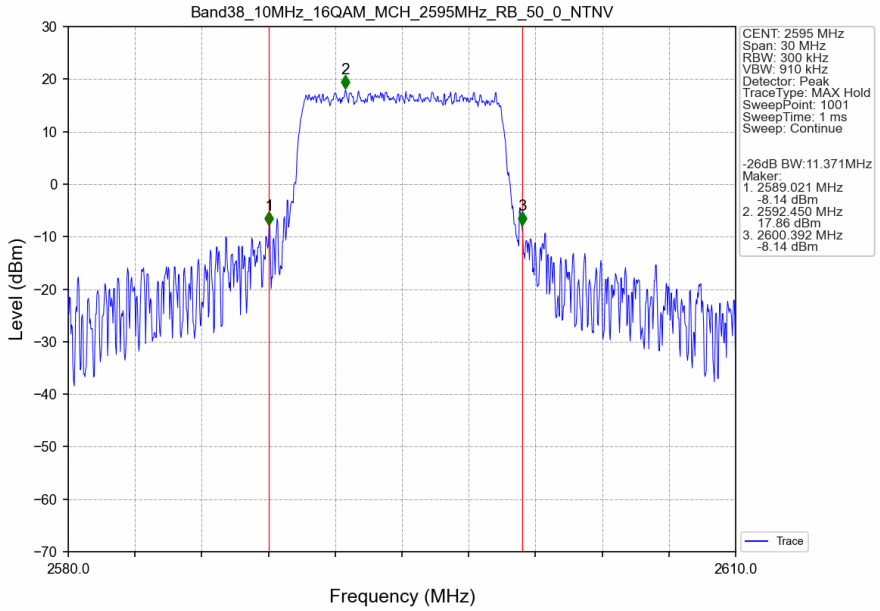
Band38_5MHz_QPSK_MCH_2595MHz_RB_25_0_NTNV


Band38_5MHz_16QAM_MCH_2595MHz_RB_25_0_NTNV


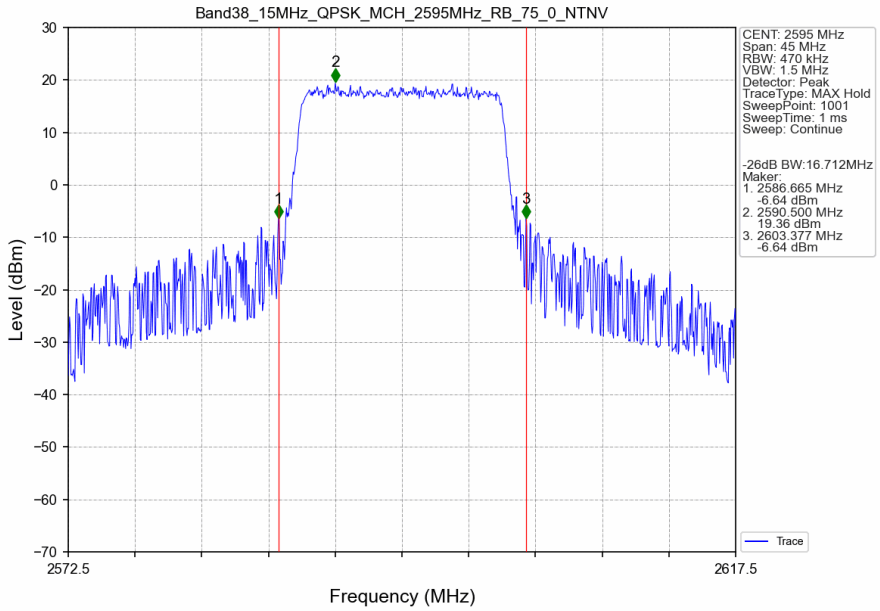
Band38_10MHz_QPSK_MCH_2595MHz_RB_50_0_NTNV



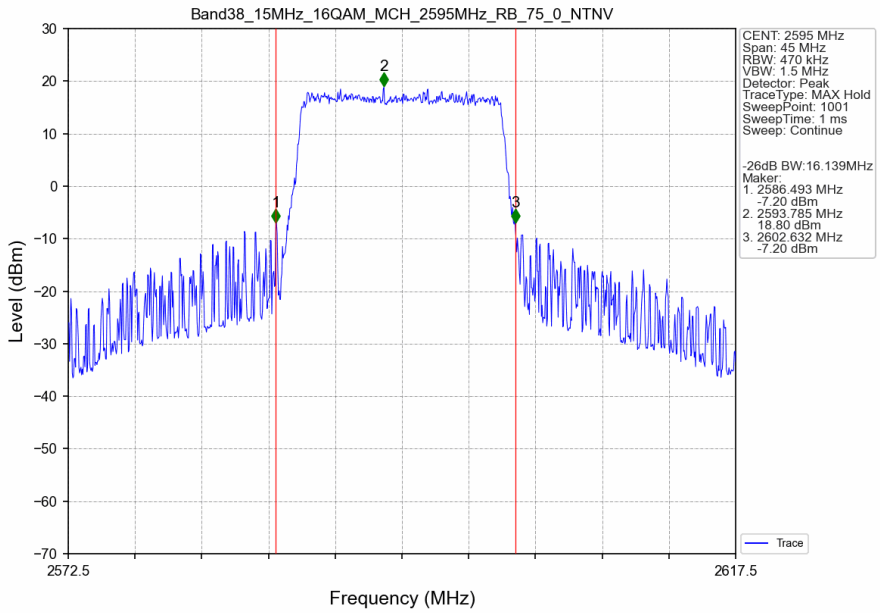
Band38_10MHz_16QAM_MCH_2595MHz_RB_50_0_NTNV



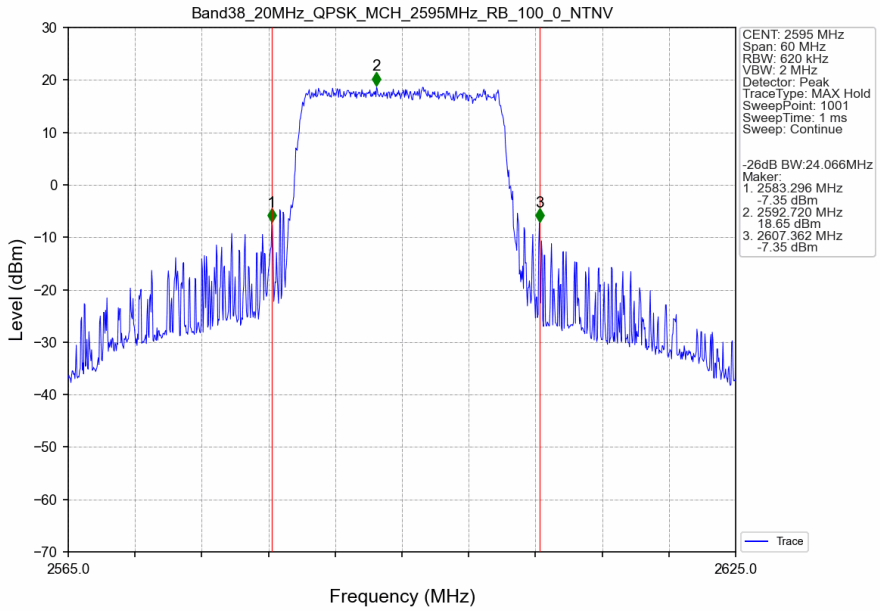
Band38_15MHz_QPSK_MCH_2595MHz_RB_75_0_NTNV



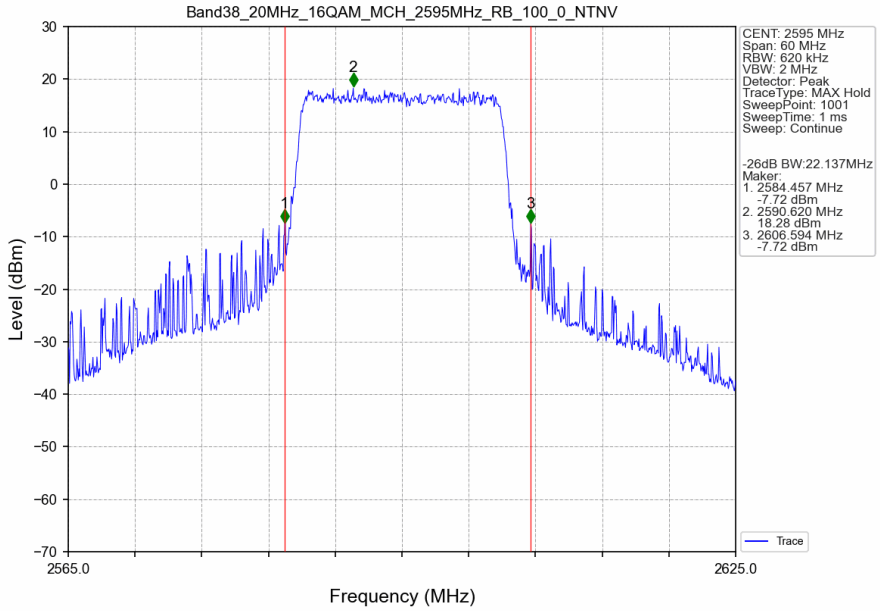
Band38_15MHz_16QAM_MCH_2595MHz_RB_75_0_NTNV



Band38_20MHz_QPSK_MCH_2595MHz_RB_100_0_NTNV



Band38_20MHz_16QAM_MCH_2595MHz_RB_100_0_NTNV



4. Peak-Average Ratio

4.1 Test Result

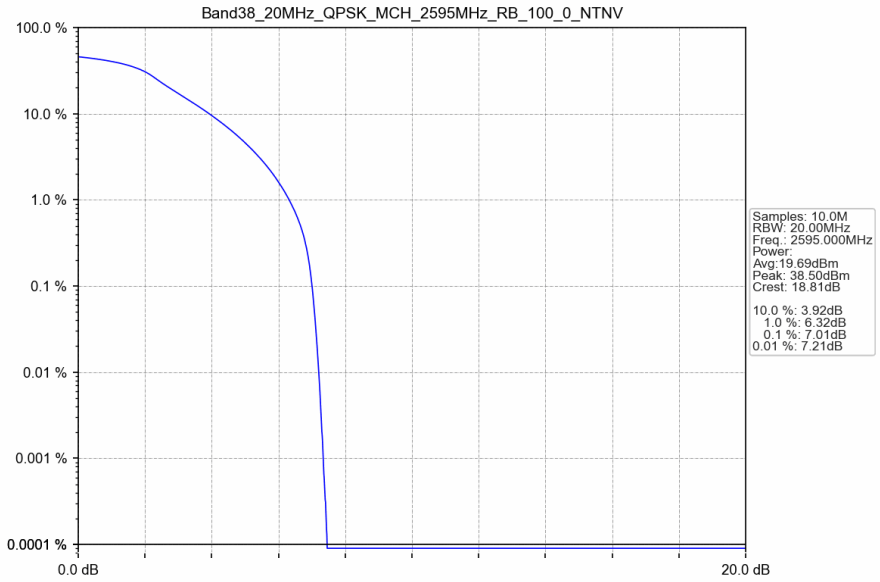
4.1.1 B38_20MHz

Band: 38 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2595	100	0	7.01	<=13	Pass
16QAM	2595	100	0	8.27	<=13	Pass
64QAM	2595	100	0	8.14	<=13	Pass
256QAM	2595	100	0	8.71	<=13	Pass

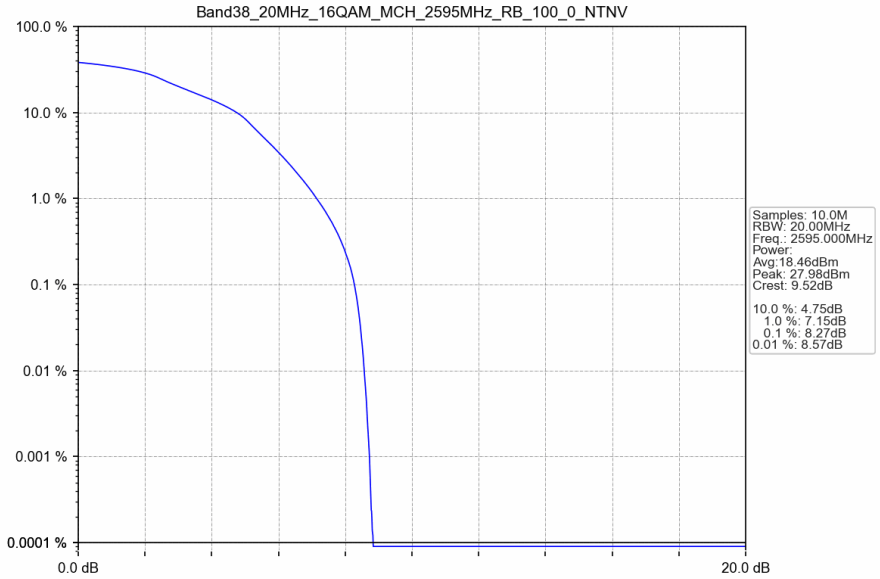
4.2 Test Graph

4.2.1 B38_20MHz

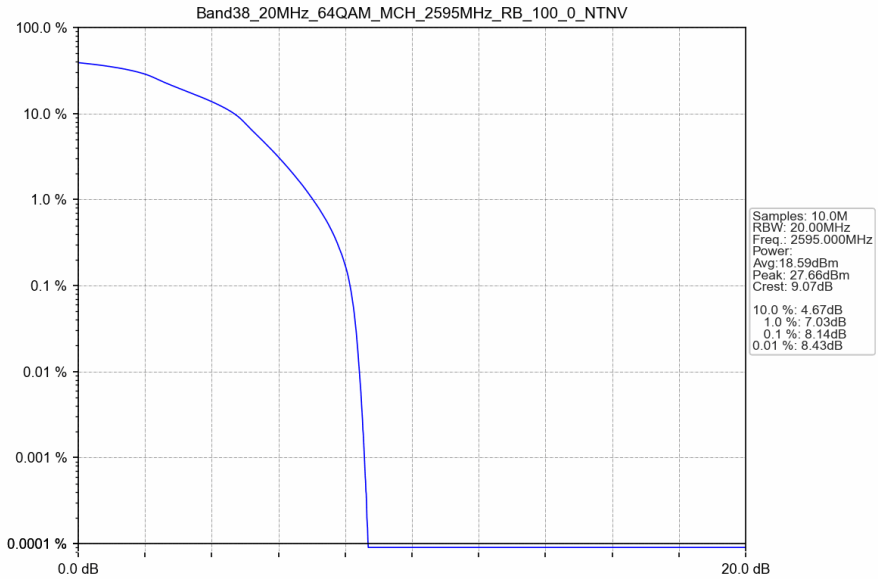
Band38_20MHz_QPSK_MCH_2595MHz_RB_100_0_NTNV



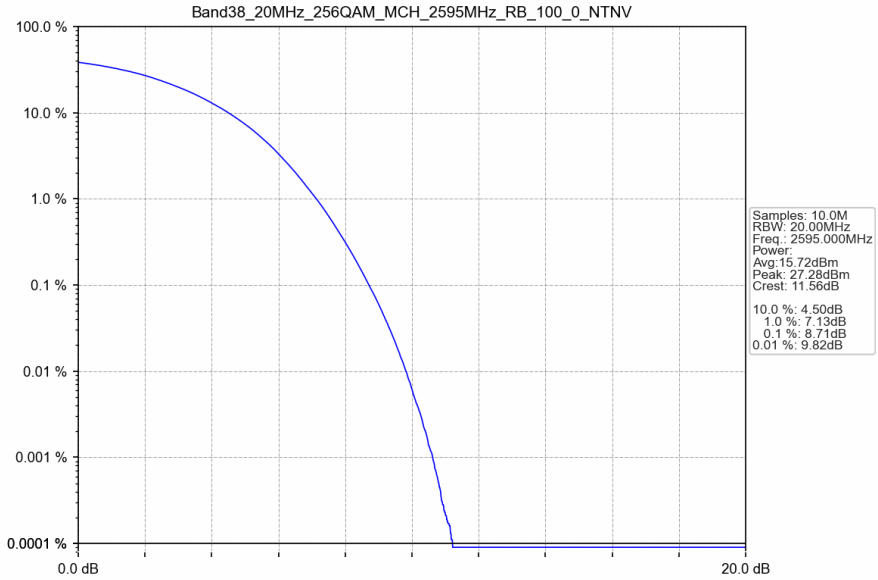
Band38_20MHz_16QAM_MCH_2595MHz_RB_100_0_NTNV



Band38_20MHz_64QAM_MCH_2595MHz_RB_100_0_NTNV



Band38_20MHz_256QAM_MCH_2595MHz_RB_100_0_NTNV



5. Spurious Emission

5.1 Test Result

5.1.1 B38_5MHz

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

5.1.2 B38_10MHz

Band: 38 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	2575	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	2595	1	0	Refer To Test Graph		Pass
	2615	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass

5.1.3 B38_15MHz

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

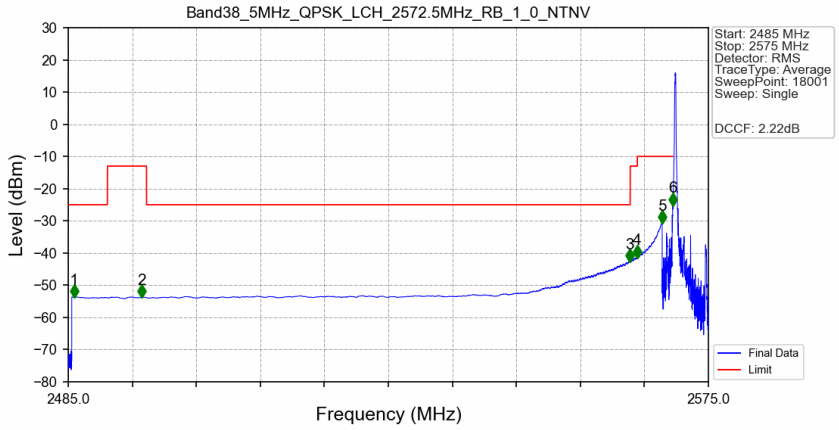
5.1.4 B38_20MHz

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

5.2 Test Graph

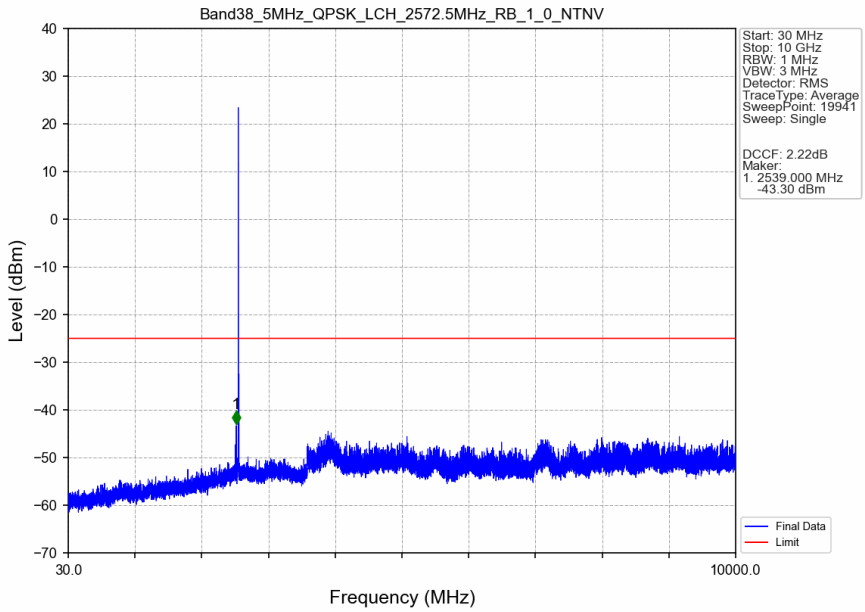
5.2.1 B38_5MHz

Band38_5MHz_QPSK_LCH_2572.5MHz_RB_1_0_NTNV

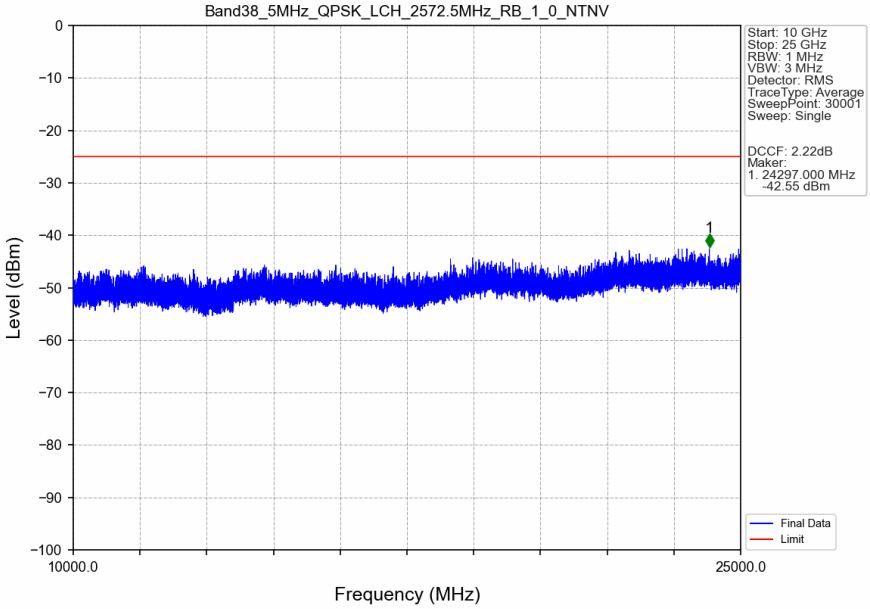


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2485.810	-53.60	-25	Pass
2490.5	2496	1	CHP	2	2495.325	-53.62	-13	Pass
2496	2564	1	CHP	3	2563.930	-42.51	-25	Pass
2564	2565	1	CHP	4	2564.975	-41.26	-13	Pass
2565	2569	1	CHP	5	2568.500	-30.50	-10	Pass
2569	2570	0.02	CHP	6	2569.990	-25.04	-10	Pass
2570	2575	0.02	CHP	/	/	/	/	/

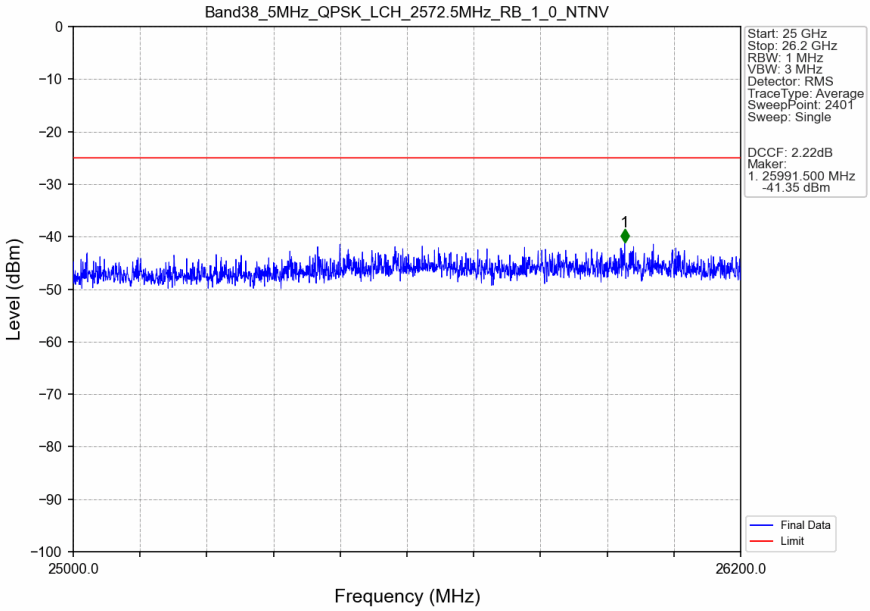
Band38_5MHz_QPSK_LCH_2572.5MHz_RB_1_0_NTNV



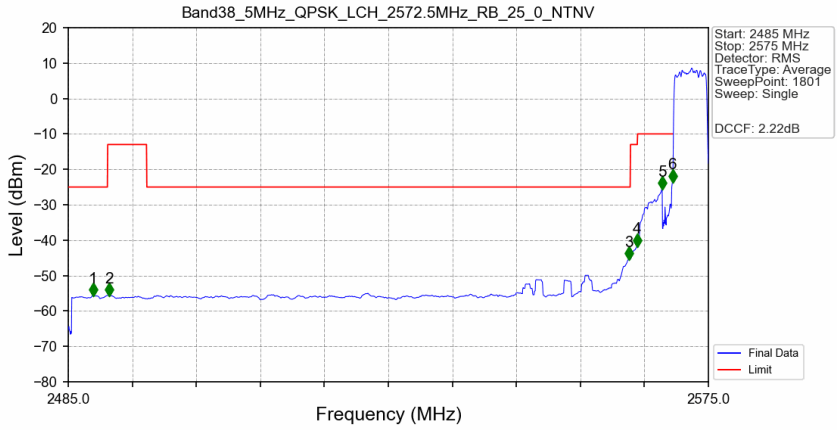
Band38_5MHz_QPSK_LCH_2572.5MHz_RB_1_0_NTNV



Band38_5MHz_QPSK_LCH_2572.5MHz_RB_1_0_NTNV

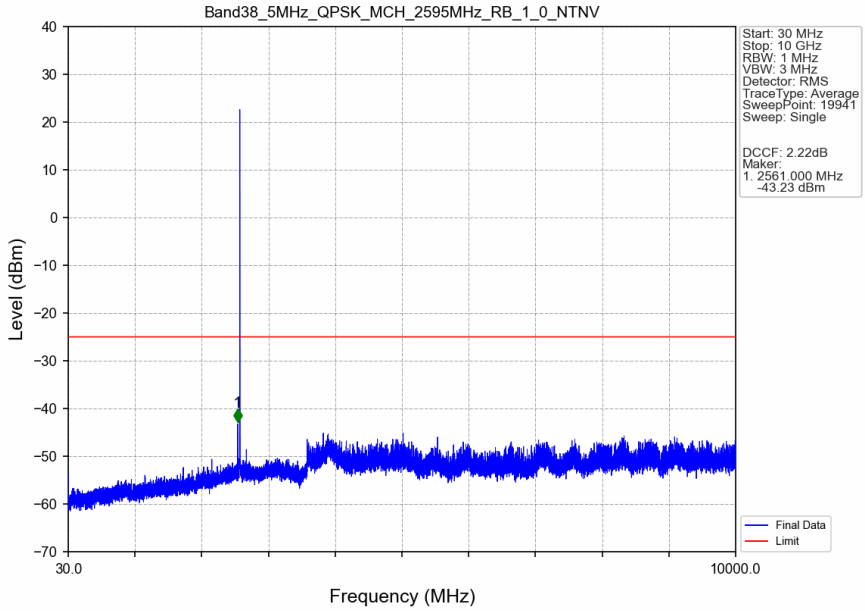


Band38_5MHz_QPSK_LCH_2572.5MHz_RB_25_0_NTNV

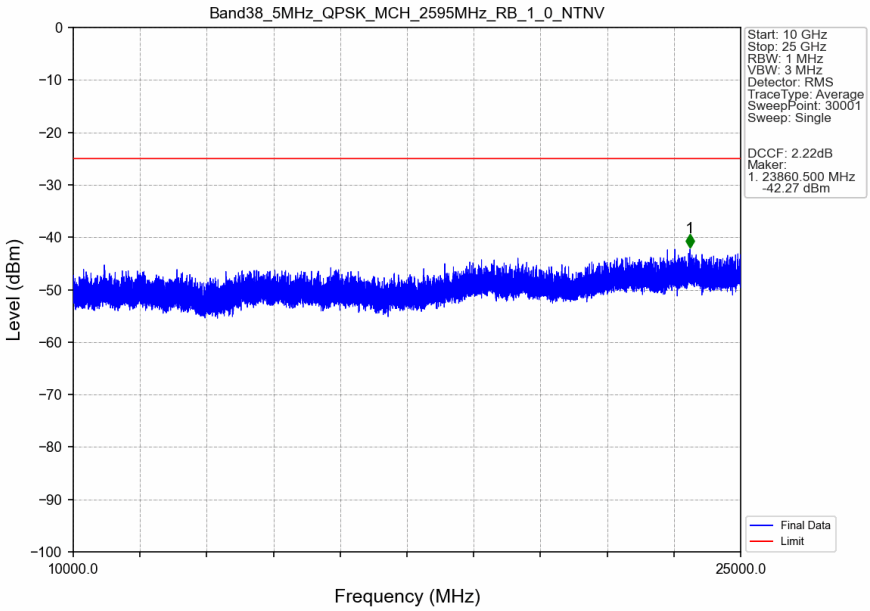


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2488.500	-55.53	-25	Pass
2490.5	2496	1	CHP	2	2490.750	-55.50	-13	Pass
2496	2564	1	CHP	3	2563.800	-45.26	-25	Pass
2564	2565	1	CHP	4	2565.000	-41.57	-13	Pass
2565	2569	1	CHP	5	2568.500	-25.49	-10	Pass
2569	2570	0.108	CHP	6	2569.950	-23.39	-10	Pass
2570	2575	0.108	CHP	/	/	/	/	/

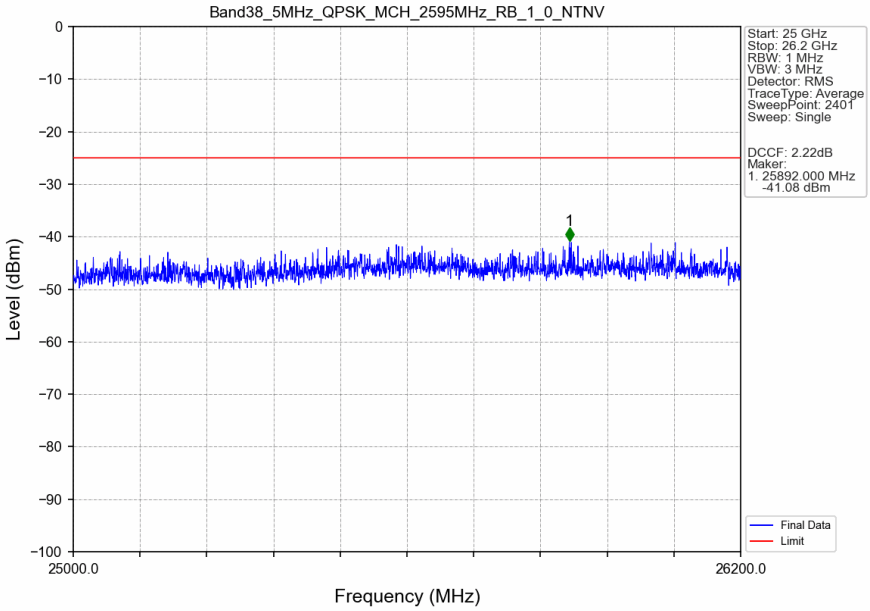
Band38_5MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



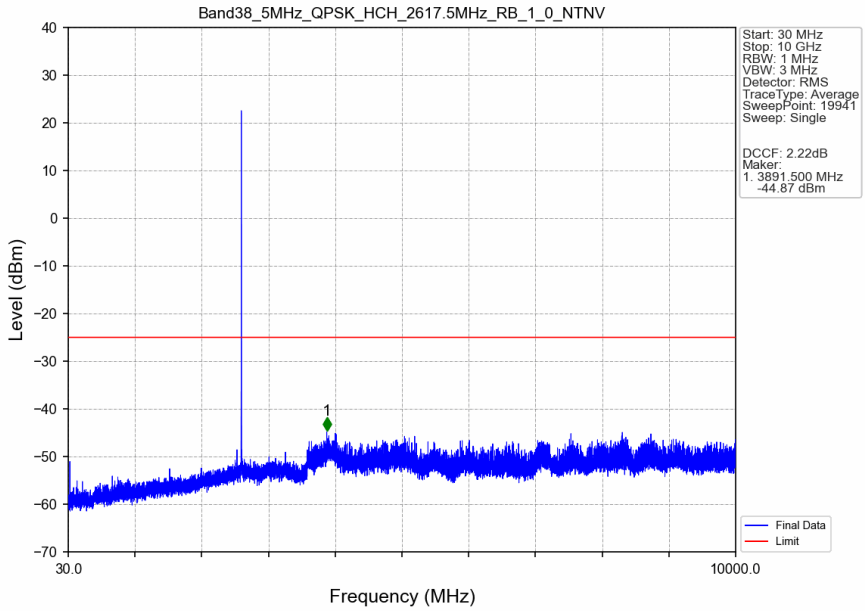
Band38_5MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



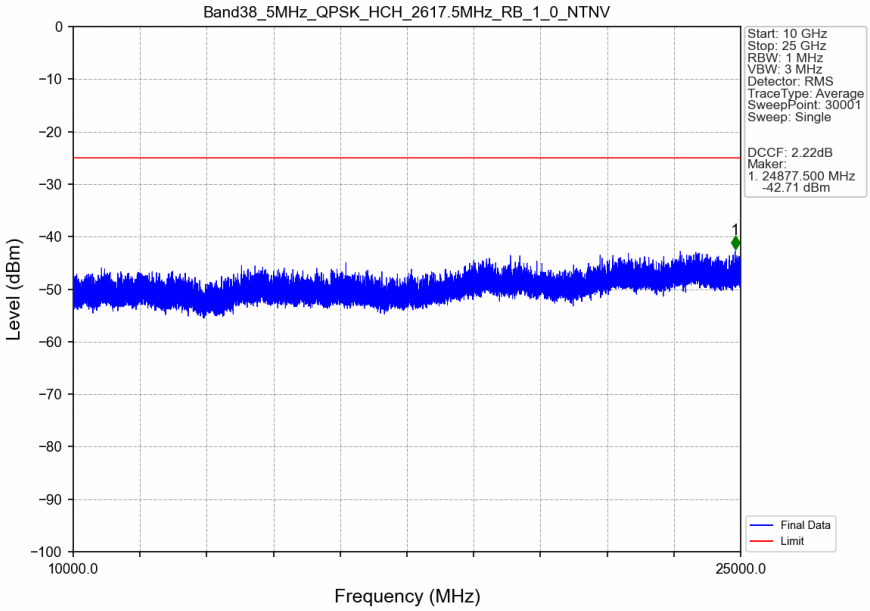
Band38_5MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



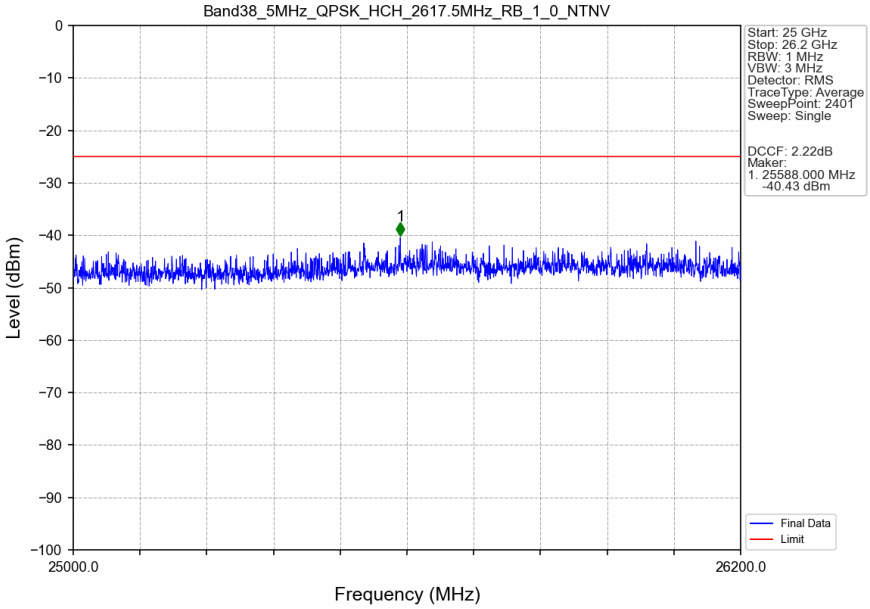
Band38_5MHz_QPSK_HCH_2617.5MHz_RB_1_0_NTNV



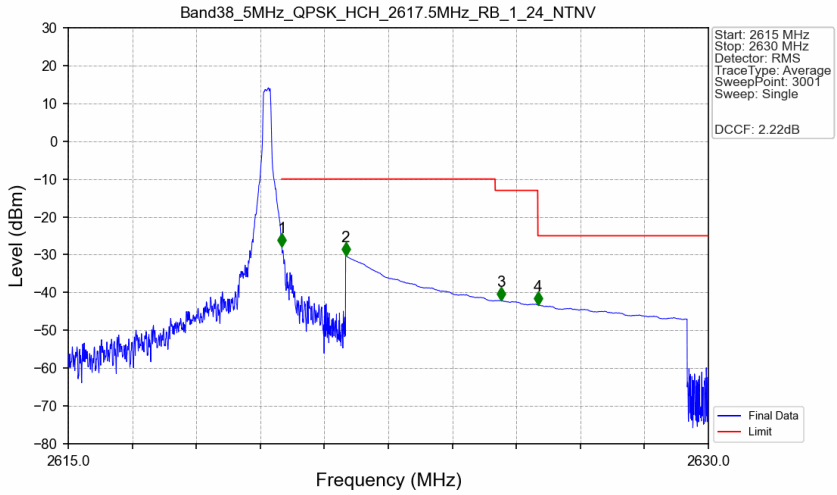
Band38_5MHz_QPSK_HCH_2617.5MHz_RB_1_0_NTNV



Band38_5MHz_QPSK_HCH_2617.5MHz_RB_1_0_NTNV

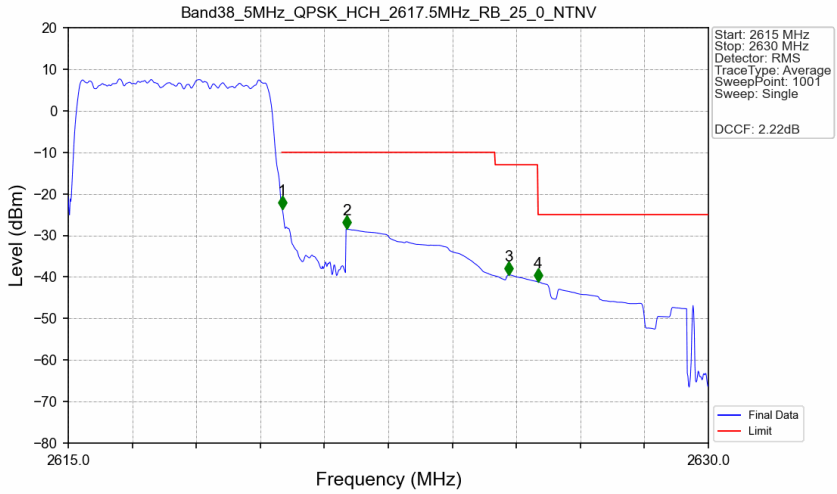


Band38_5MHz_QPSK_HCH_2617.5MHz_RB_1_24_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2615	2620	0.02	CHP	/	/	/	/	/
2620	2621	0.02	CHP	1	2620.005	-27.79	-10	Pass
2621	2625	1	CHP	2	2621.500	-30.16	-10	Pass
2625	2626	1	CHP	3	2625.140	-42.05	-13	Pass
2626	2630	1	CHP	4	2626.005	-43.33	-25	Pass

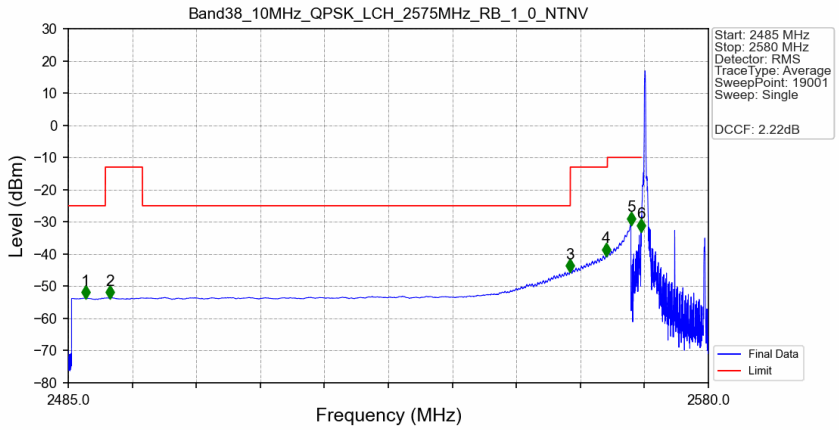
Band38_5MHz_QPSK_HCH_2617.5MHz_RB_25_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2615	2620	0.108	CHP	/	/	/	/	/
2620	2621	0.108	CHP	1	2620.010	-23.60	-10	Pass
2621	2625	1	CHP	2	2621.525	-28.48	-10	Pass
2625	2626	1	CHP	3	2625.320	-39.51	-13	Pass
2626	2630	1	CHP	4	2626.010	-41.18	-25	Pass

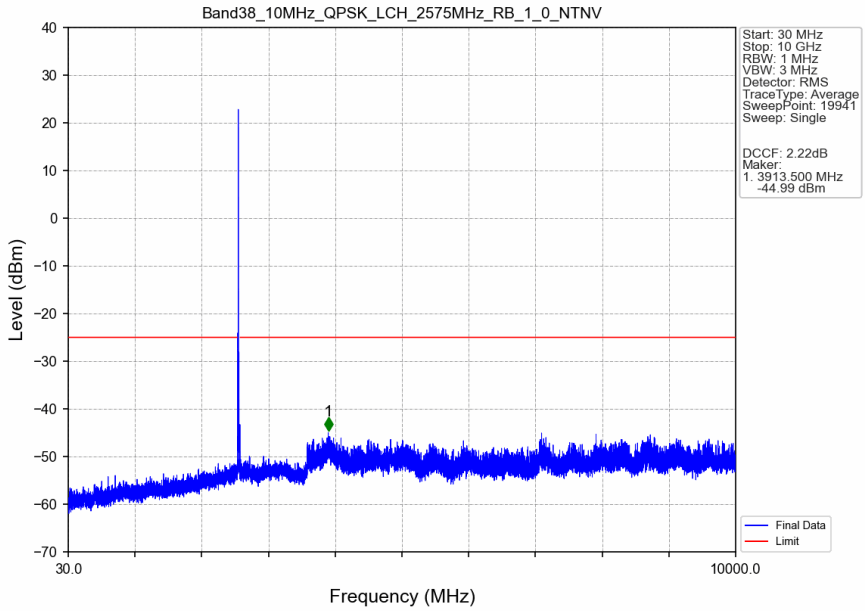
5.2.2 B38_10MHz

Band38_10MHz_QPSK_LCH_2575MHz_RB_1_0_NTNV

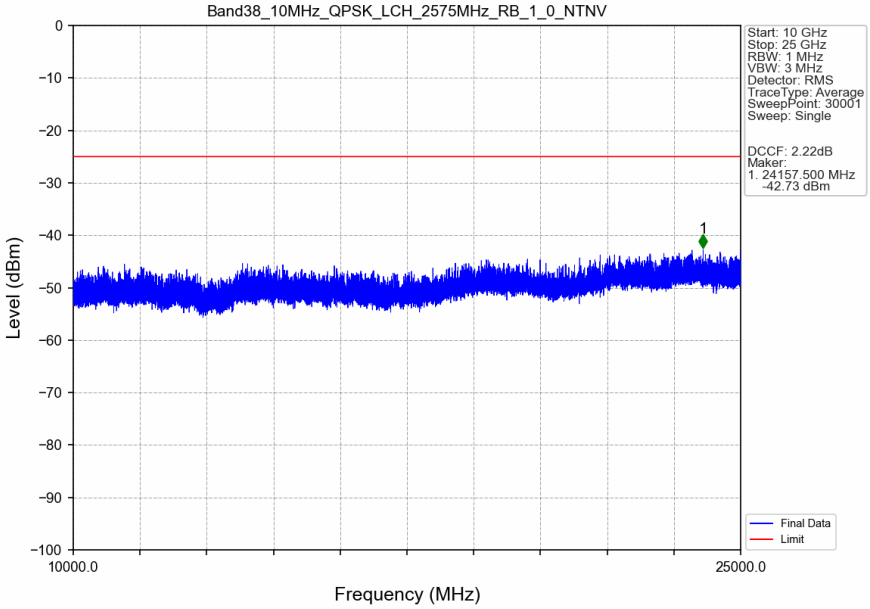


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2487.550	-53.65	-25	Pass
2490.5	2496	1	CHP	2	2491.225	-53.55	-13	Pass
2496	2559.497	1	CHP	3	2559.475	-45.38	-25	Pass
2559.497	2565	1	CHP	4	2564.790	-40.32	-13	Pass
2565	2569	1	CHP	5	2568.495	-30.62	-10	Pass
2569	2570	0.02	CHP	6	2569.995	-32.76	-10	Pass
2570	2580	0.02	CHP	/	/	/	/	/

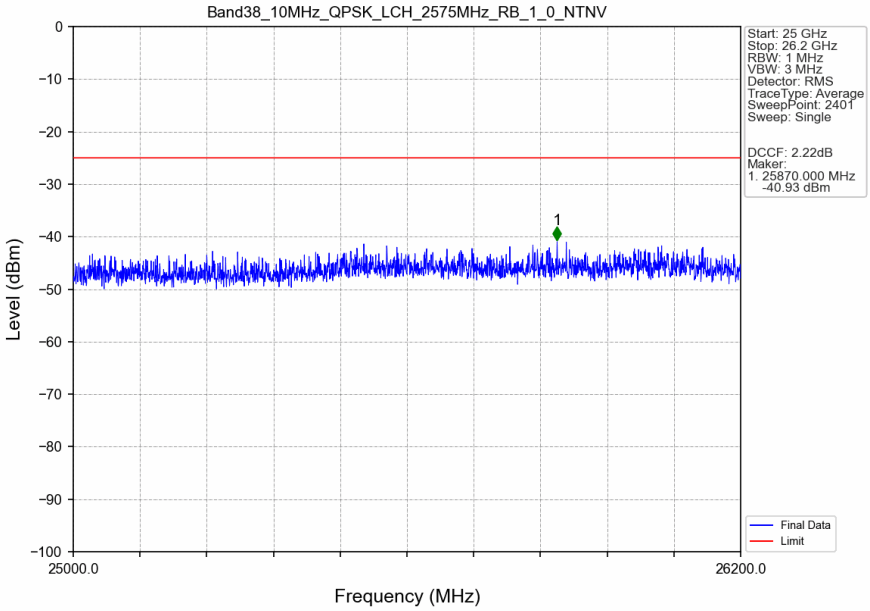
Band38_10MHz_QPSK_LCH_2575MHz_RB_1_0_NTNV



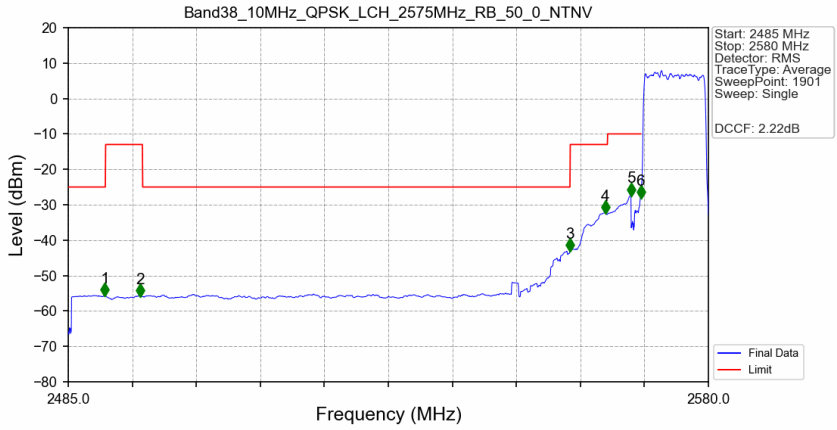
Band38_10MHz_QPSK_LCH_2575MHz_RB_1_0_NTNV



Band38_10MHz_QPSK_LCH_2575MHz_RB_1_0_NTNV

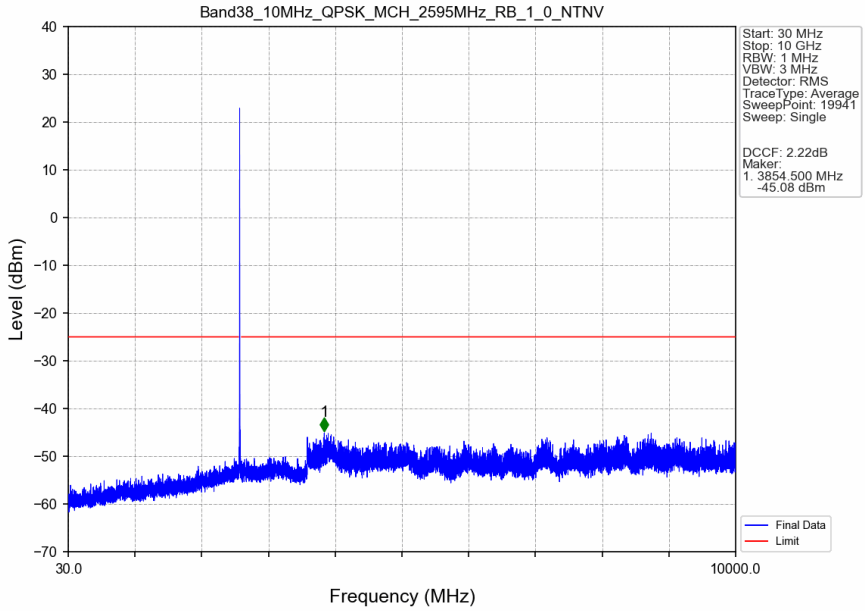


Band38_10MHz_QPSK_LCH_2575MHz_RB_50_0_NTNV

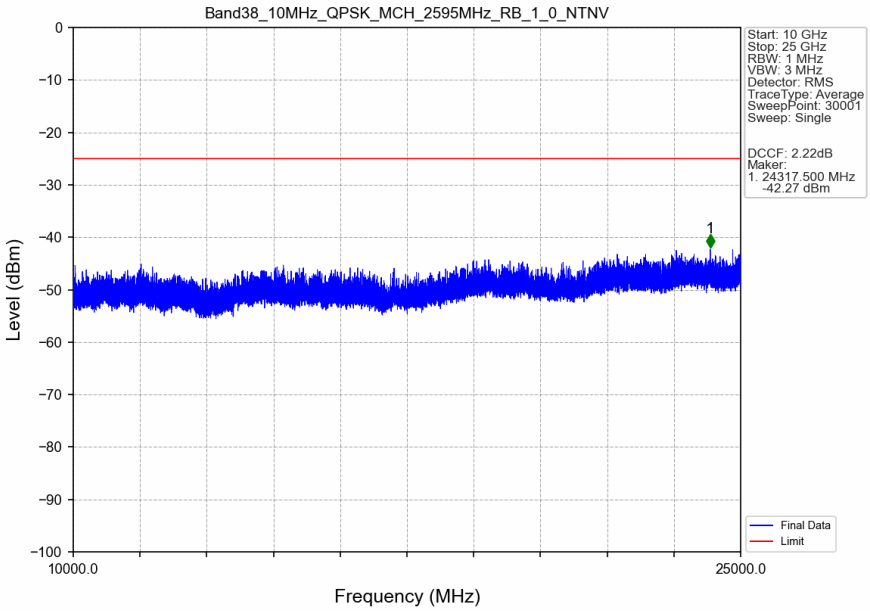


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2490.400	-55.53	-25	Pass
2490.5	2496	1	CHP	2	2495.650	-55.69	-13	Pass
2496	2559.497	1	CHP	3	2559.450	-42.98	-25	Pass
2559.497	2565	1	CHP	4	2564.700	-32.21	-13	Pass
2565	2569	1	CHP	5	2568.500	-27.22	-10	Pass
2569	2570	0.21	CHP	6	2569.950	-27.94	-10	Pass
2570	2580	0.21	CHP	/	/	/	/	/

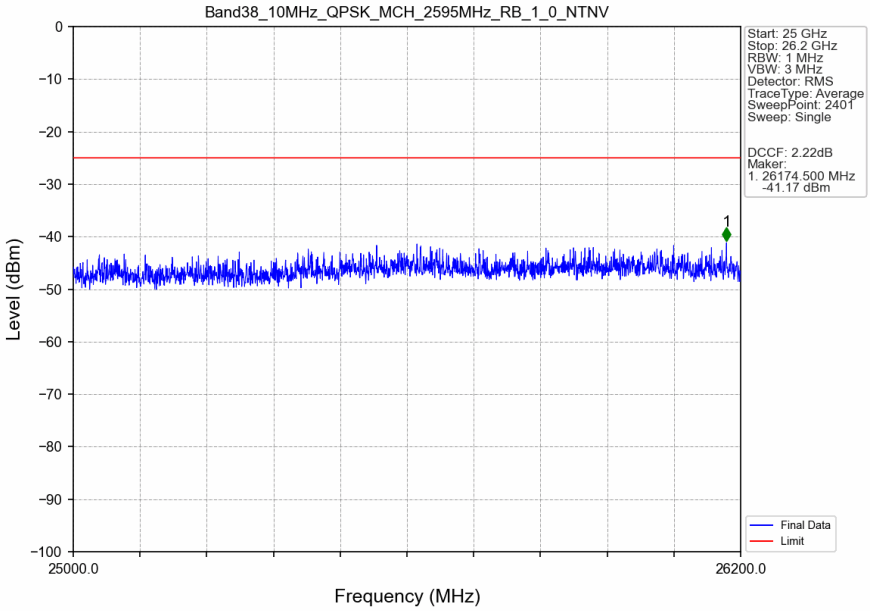
Band38_10MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



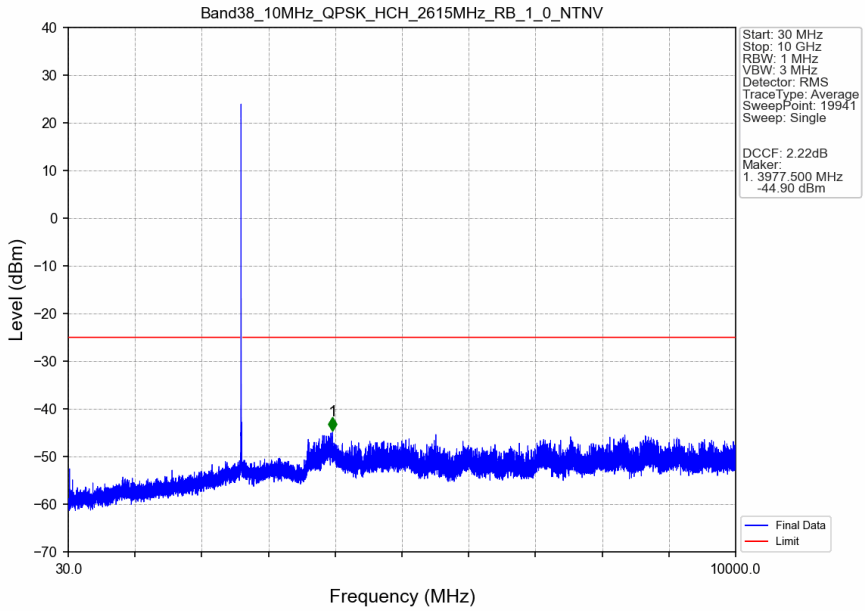
Band38_10MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



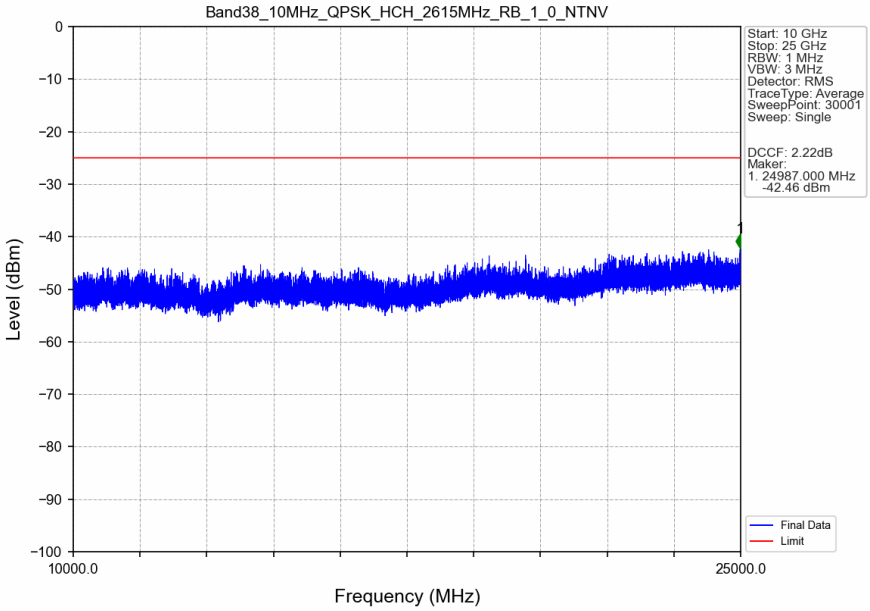
Band38_10MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



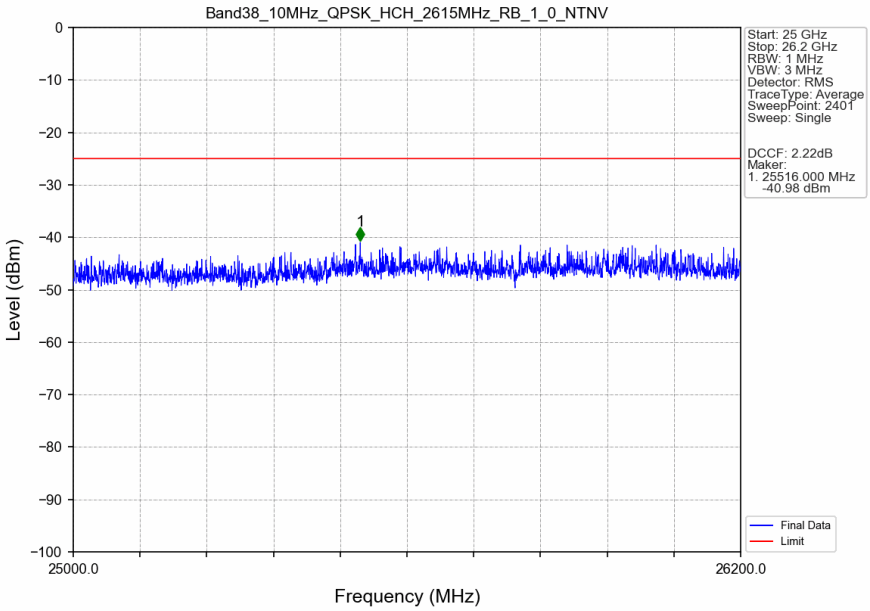
Band38_10MHz_QPSK_HCH_2615MHz_RB_1_0_NTNV



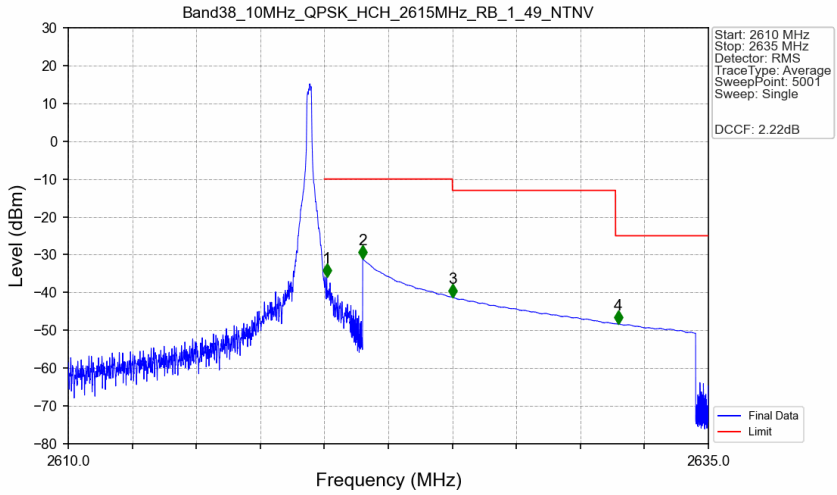
Band38_10MHz_QPSK_HCH_2615MHz_RB_1_0_NTNV



Band38_10MHz_QPSK_HCH_2615MHz_RB_1_0_NTNV

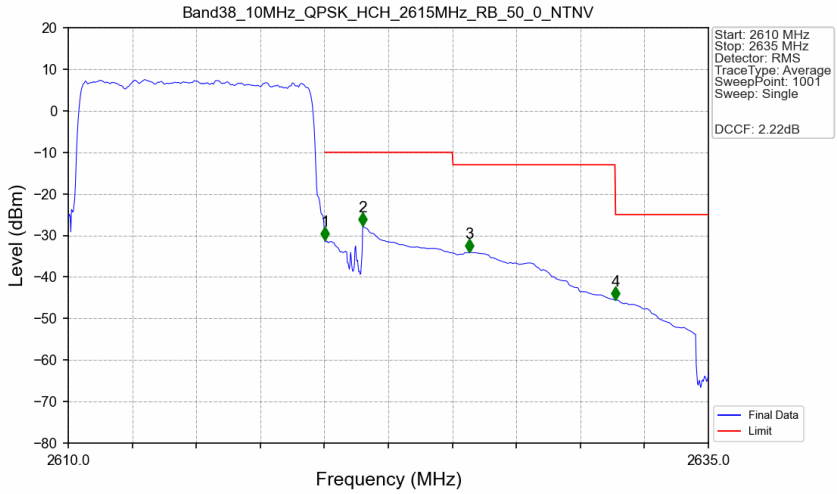


Band38_10MHz_QPSK_HCH_2615MHz_RB_1_49_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2610	2620	0.02	CHP	/	/	/	/	/
2620	2621	0.02	CHP	1	2620.095	-35.80	-10	Pass
2621	2625	1	CHP	2	2621.500	-31.07	-10	Pass
2625	2631.371	1	CHP	3	2625.005	-41.19	-13	Pass
2631.371	2635	1	CHP	4	2631.475	-48.26	-25	Pass

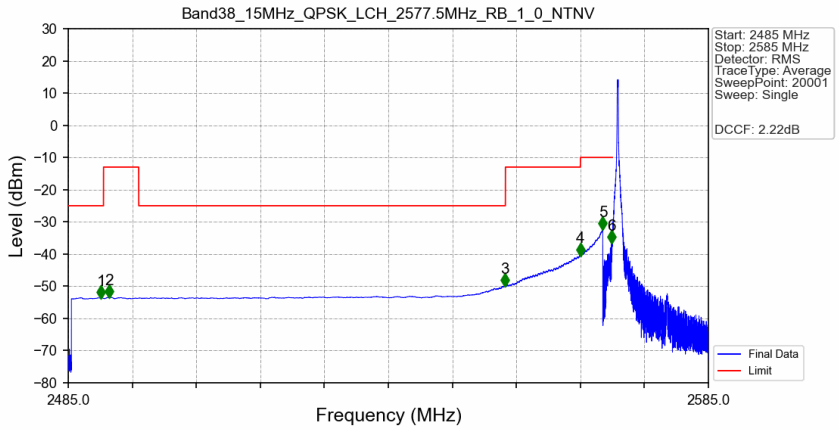
Band38_10MHz_QPSK_HCH_2615MHz_RB_50_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2610	2620	0.227	CHP	/	/	/	/	/
2620	2621	0.227	CHP	1	2620.025	-31.09	-10	Pass
2621	2625	1	CHP	2	2621.500	-27.75	-10	Pass
2625	2631.371	1	CHP	3	2625.675	-34.10	-13	Pass
2631.371	2635	1	CHP	4	2631.375	-45.54	-25	Pass

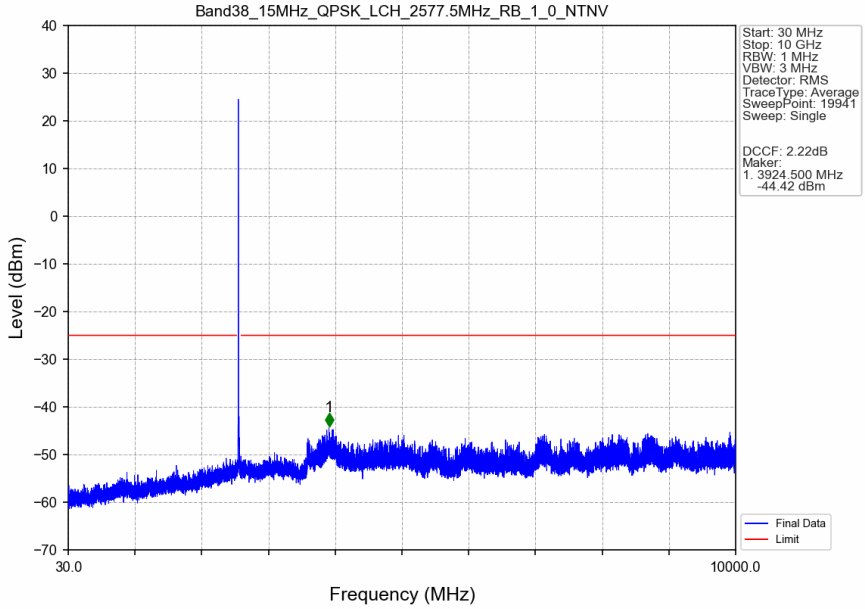
5.2.3 B38_15MHz

Band38_15MHz_QPSK_LCH_2577.5MHz_RB_1_0_NTNV

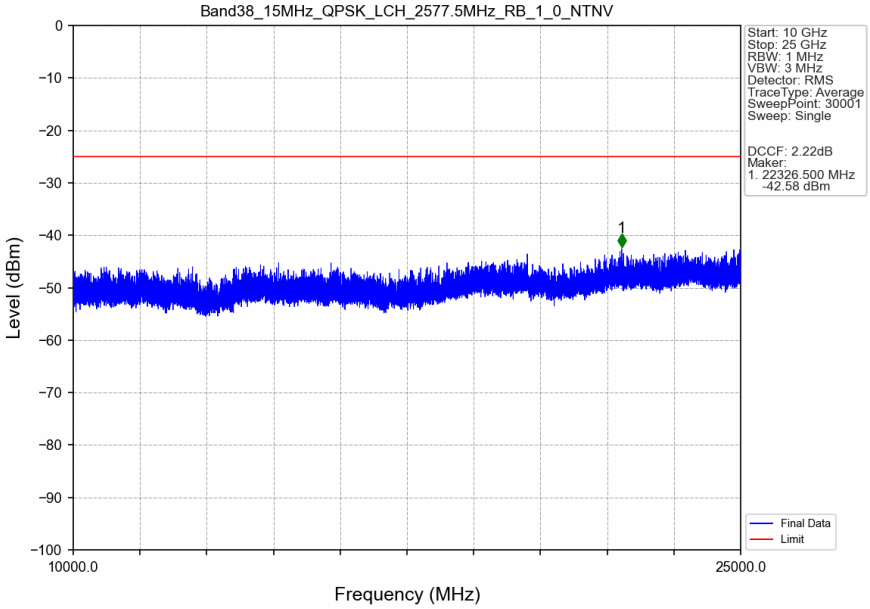


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2490.120	-53.56	-25	Pass
2490.5	2496	1	CHP	2	2491.440	-53.39	-13	Pass
2496	2553.288	1	CHP	3	2553.160	-49.83	-25	Pass
2553.288	2565	1	CHP	4	2564.980	-40.31	-13	Pass
2565	2569	1	CHP	5	2568.500	-32.13	-10	Pass
2569	2570	0.02	CHP	6	2569.850	-36.46	-10	Pass
2570	2585	0.02	CHP	/	/	/	/	/

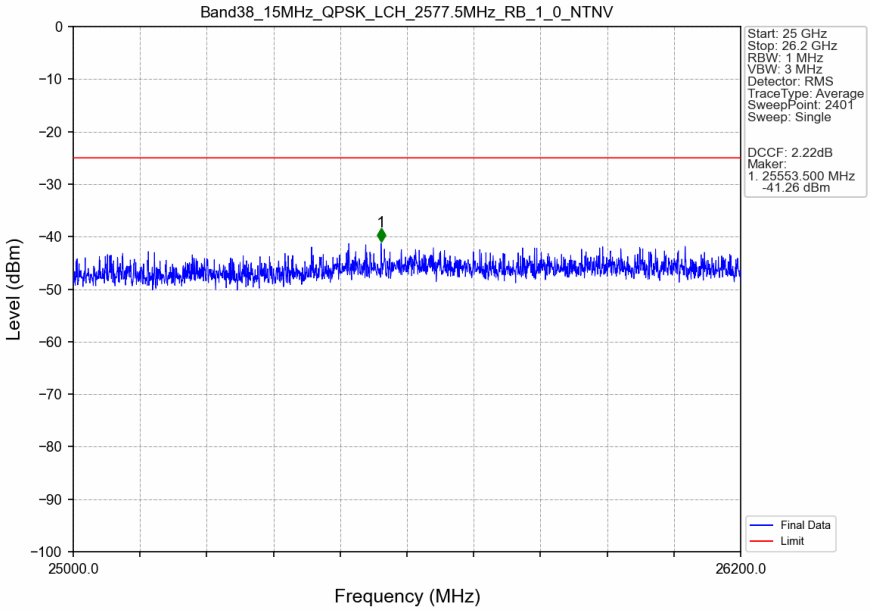
Band38_15MHz_QPSK_LCH_2577.5MHz_RB_1_0_NTNV



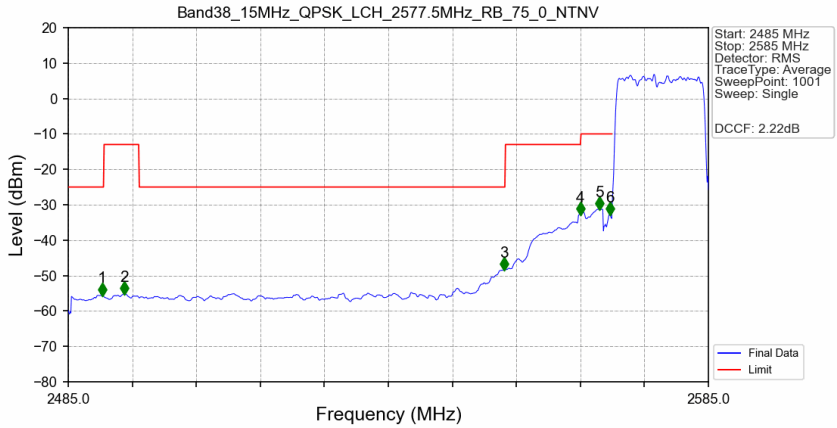
Band38_15MHz_QPSK_LCH_2577.5MHz_RB_1_0_NTNV



Band38_15MHz_QPSK_LCH_2577.5MHz_RB_1_0_NTNV

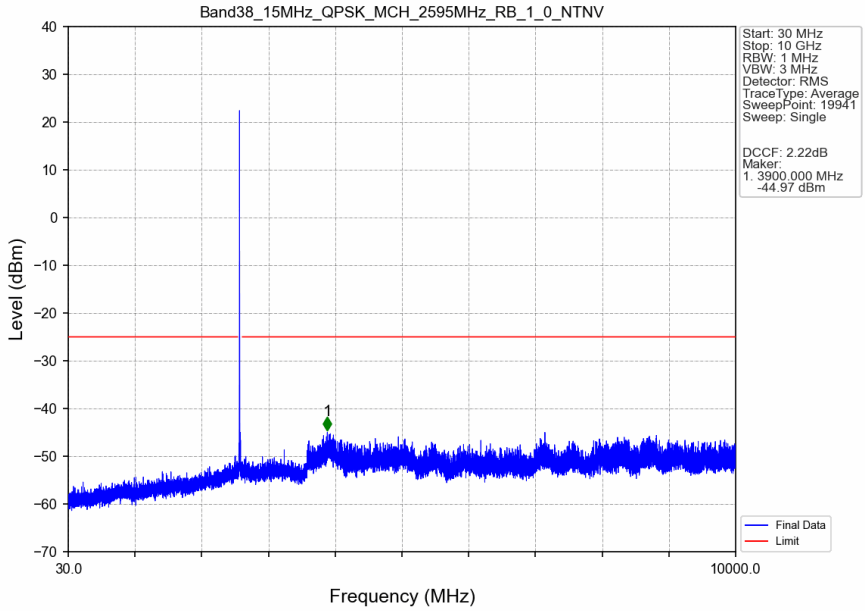


Band38_15MHz_QPSK_LCH_2577.5MHz_RB_75_0_NTNV

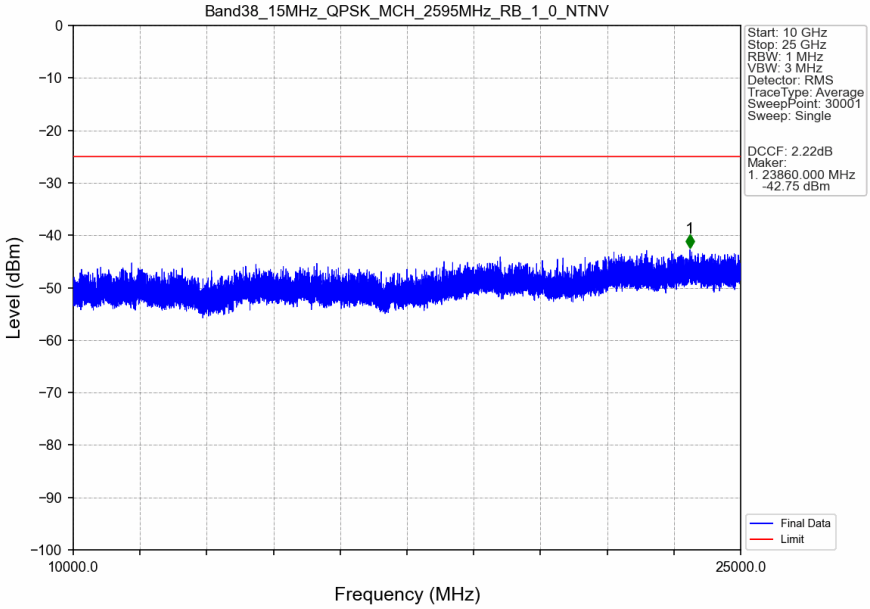


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2490.300	-55.47	-25	Pass
2490.5	2496	1	CHP	2	2493.800	-55.13	-13	Pass
2496	2553.288	1	CHP	3	2553.100	-48.34	-25	Pass
2553.288	2565	1	CHP	4	2565.000	-32.63	-13	Pass
2565	2569	1	CHP	5	2568.000	-31.19	-10	Pass
2569	2570	0.334	CHP	6	2569.600	-32.70	-10	Pass
2570	2585	0.334	CHP	/	/	/	/	/

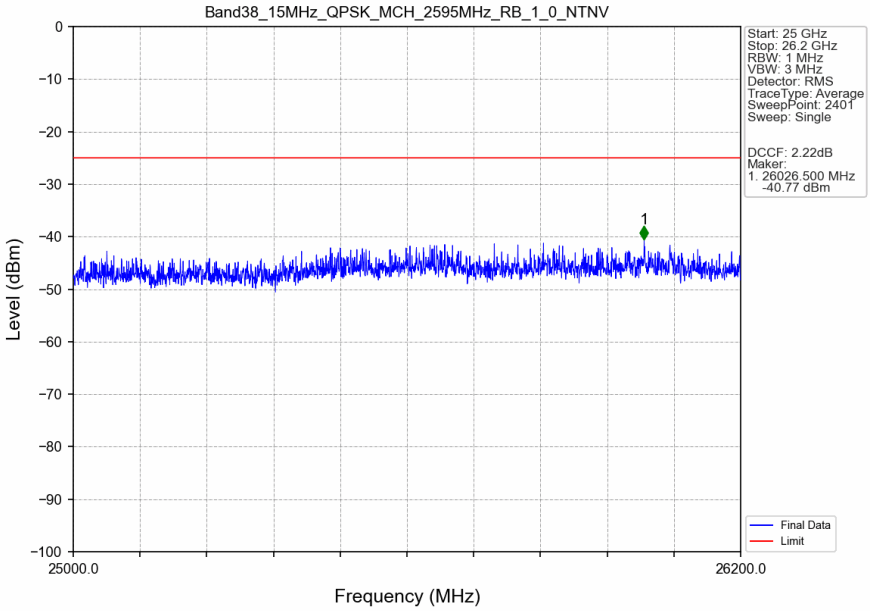
Band38_15MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



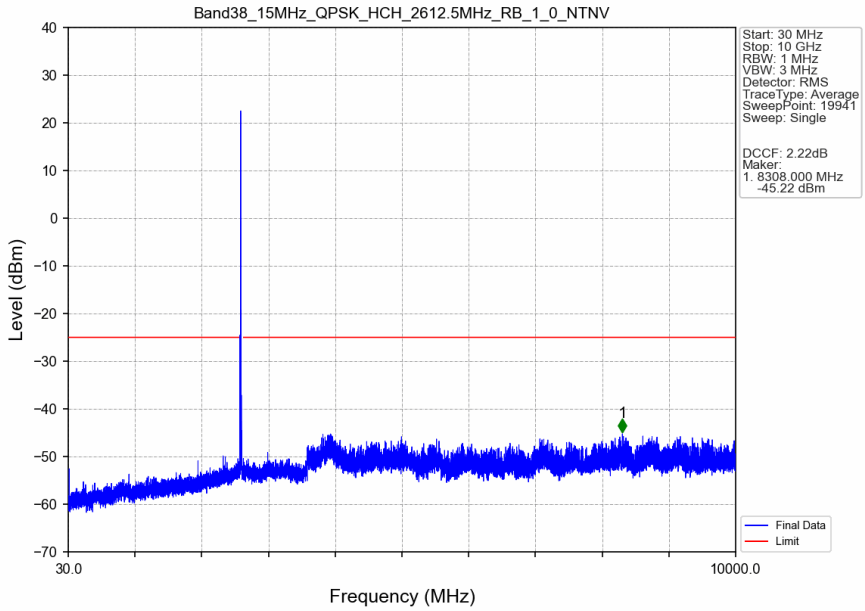
Band38_15MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



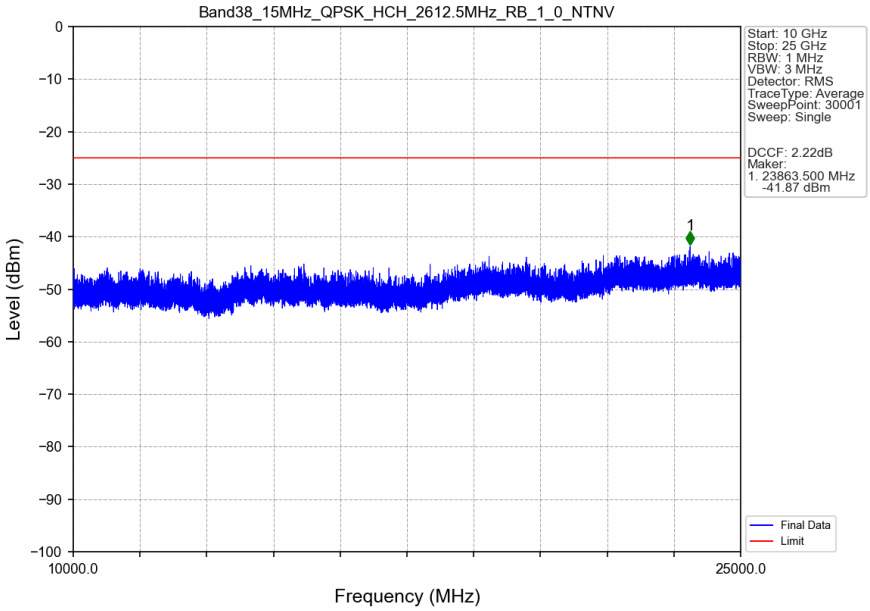
Band38_15MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



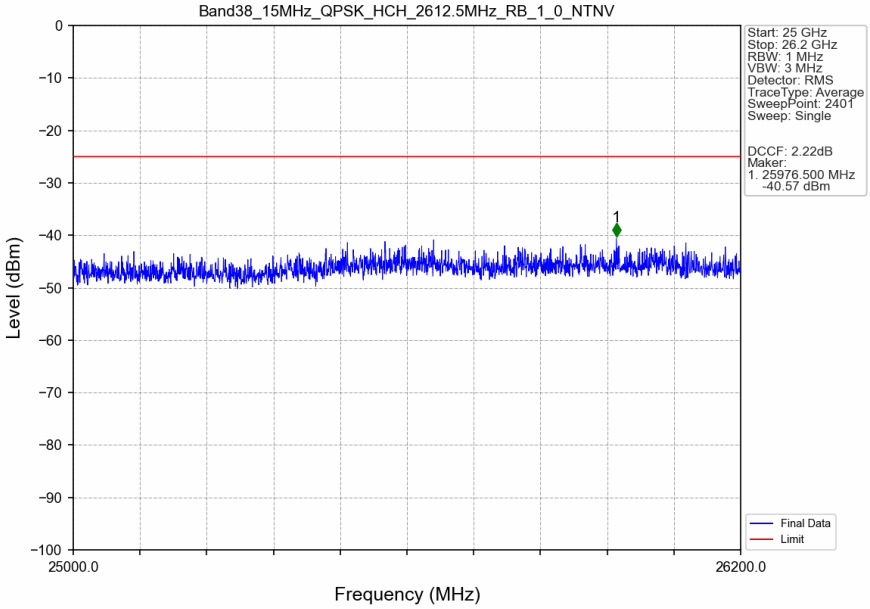
Band38_15MHz_QPSK_HCH_2612.5MHz_RB_1_0_NTNV



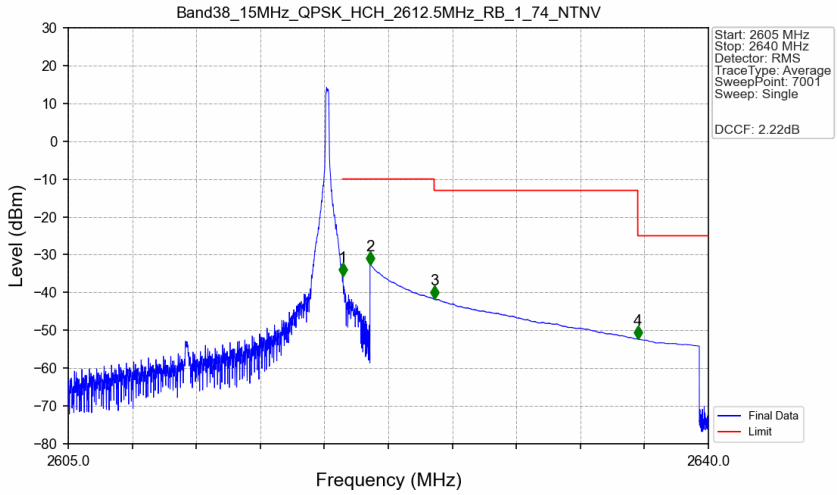
Band38_15MHz_QPSK_HCH_2612.5MHz_RB_1_0_NTNV



Band38_15MHz_QPSK_HCH_2612.5MHz_RB_1_0_NTNV

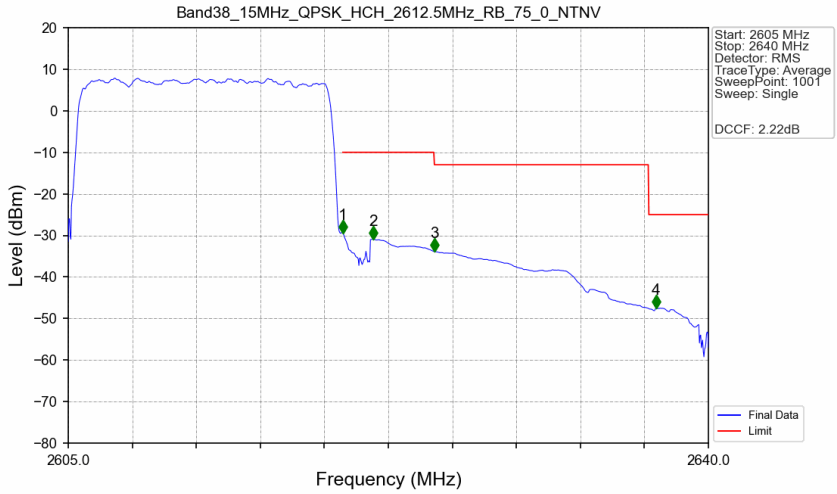


Band38_15MHz_QPSK_HCH_2612.5MHz_RB_1_74_NTNV



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	-35.68	-10	Pass
2621	2625	1	CHP	2	2621.500	-32.59	-10	Pass
2625	2636.139	1	CHP	3	2625.025	-41.74	-13	Pass
2636.139	2640	1	CHP	4	2636.140	-52.26	-25	Pass

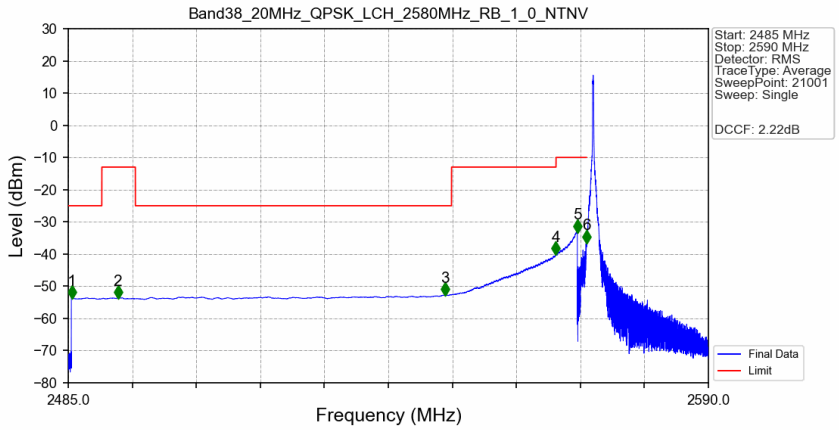
Band38_15MHz_QPSK_HCH_2612.5MHz_RB_75_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2605	2620	0.334	CHP	/	/	/	/	/
2620	2621	0.334	CHP	1	2620.015	-29.46	-10	Pass
2621	2625	1	CHP	2	2621.660	-30.88	-10	Pass
2625	2636.712	1	CHP	3	2625.020	-33.88	-13	Pass
2636.712	2640	1	CHP	4	2637.130	-47.51	-25	Pass

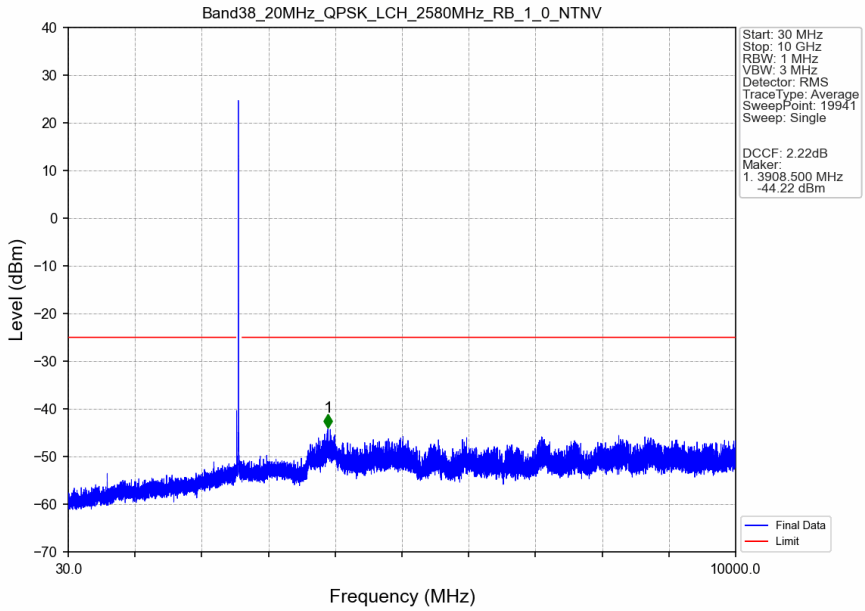
5.2.4 B38_20MHz

Band38_20MHz_QPSK_LCH_2580MHz_RB_1_0_NTNV

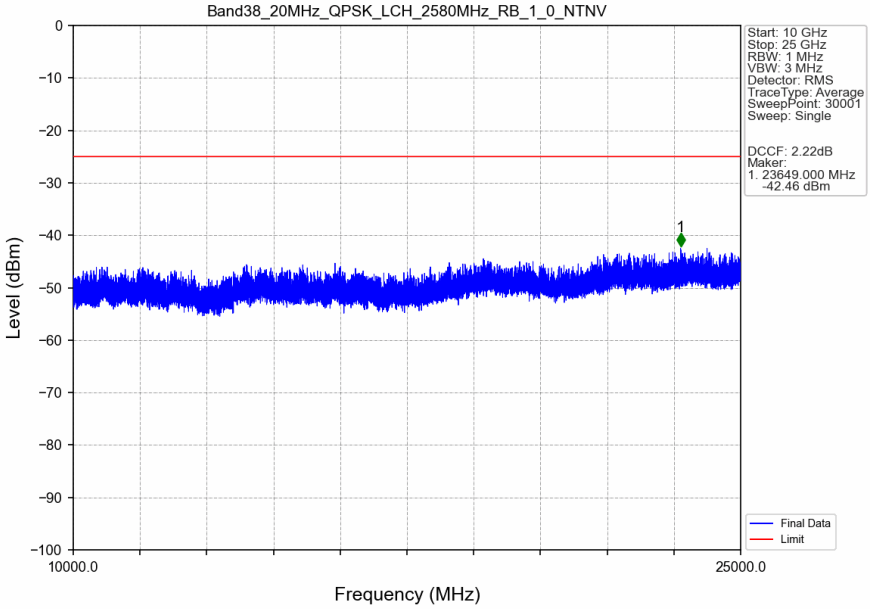


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2485.570	-53.61	-25	Pass
2490.5	2496	1	CHP	2	2493.130	-53.54	-13	Pass
2496	2547.863	1	CHP	3	2546.825	-52.60	-25	Pass
2547.863	2565	1	CHP	4	2564.975	-39.94	-13	Pass
2565	2569	1	CHP	5	2568.500	-32.99	-10	Pass
2569	2570	0.02	CHP	6	2569.980	-36.28	-10	Pass
2570	2590	0.02	CHP	/	/	/	/	/

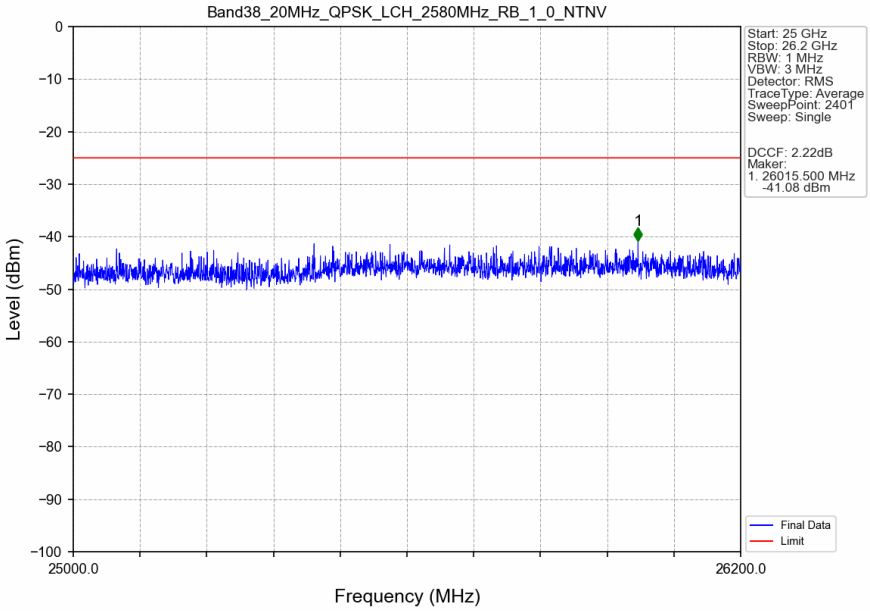
Band38_20MHz_QPSK_LCH_2580MHz_RB_1_0_NTNV



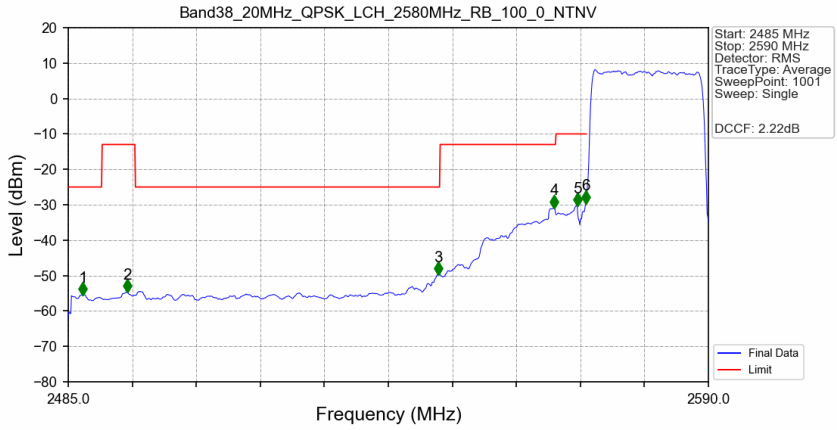
Band38_20MHz_QPSK_LCH_2580MHz_RB_1_0_NTNV



Band38_20MHz_QPSK_LCH_2580MHz_RB_1_0_NTNV

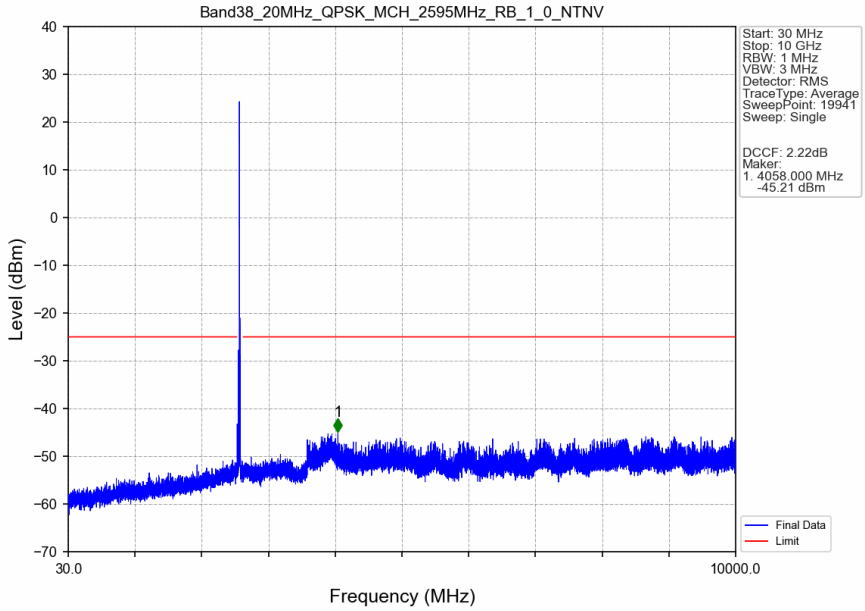


Band38_20MHz_QPSK_LCH_2580MHz_RB_100_0_NTNV

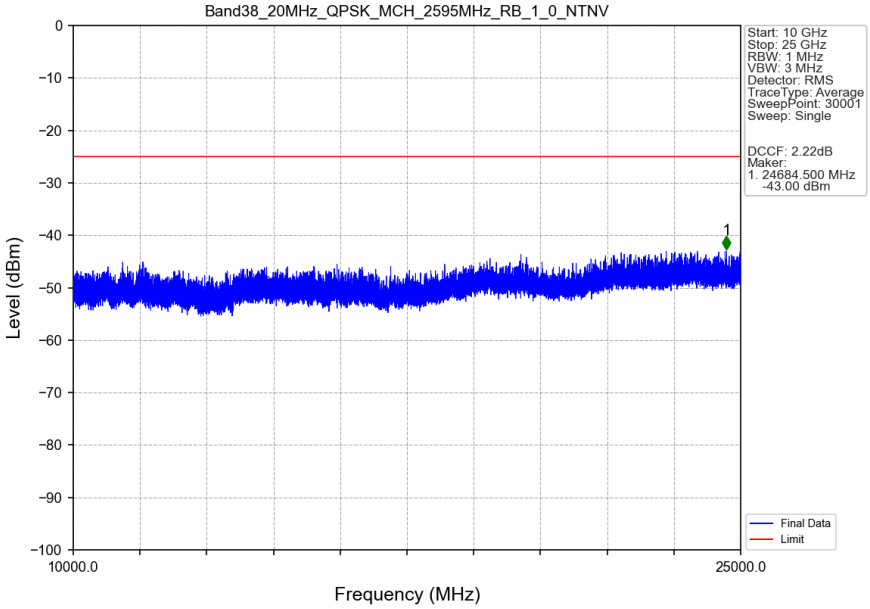


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2487.415	-55.26	-25	Pass
2490.5	2496	1	CHP	2	2494.660	-54.48	-13	Pass
2496	2545.934	1	CHP	3	2545.690	-49.49	-25	Pass
2545.934	2565	1	CHP	4	2564.695	-30.65	-13	Pass
2565	2569	1	CHP	5	2568.475	-30.07	-10	Pass
2569	2570	0.481	CHP	6	2569.945	-29.36	-10	Pass
2570	2590	0.481	CHP	/	/	/	/	/

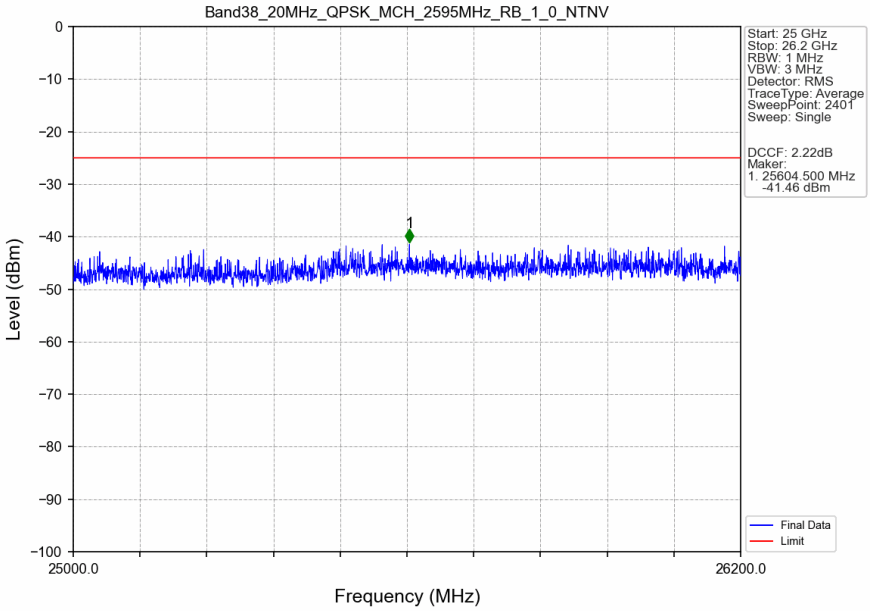
Band38_20MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



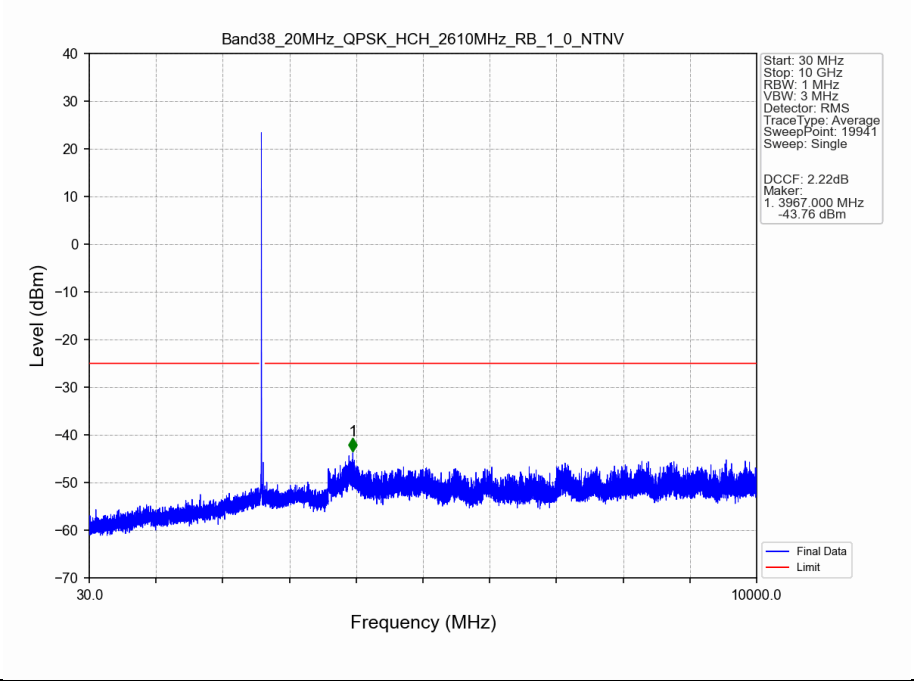
Band38_20MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



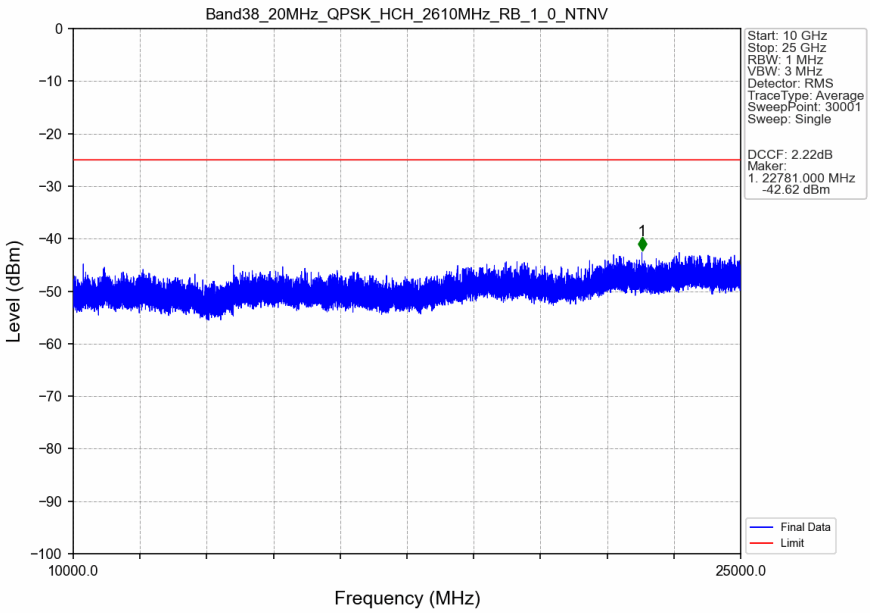
Band38_20MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



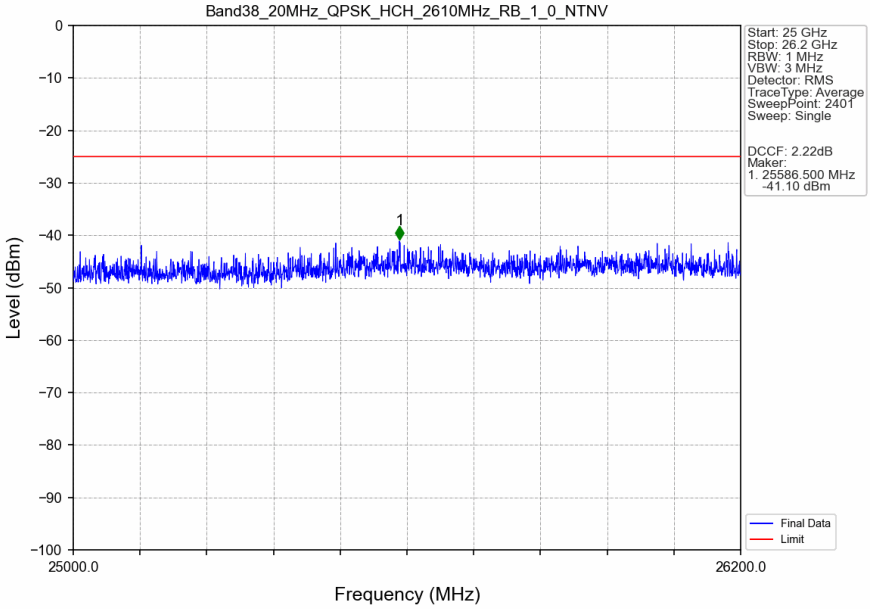
Band38_20MHz_QPSK_HCH_2610MHz_RB_1_0_NTNV



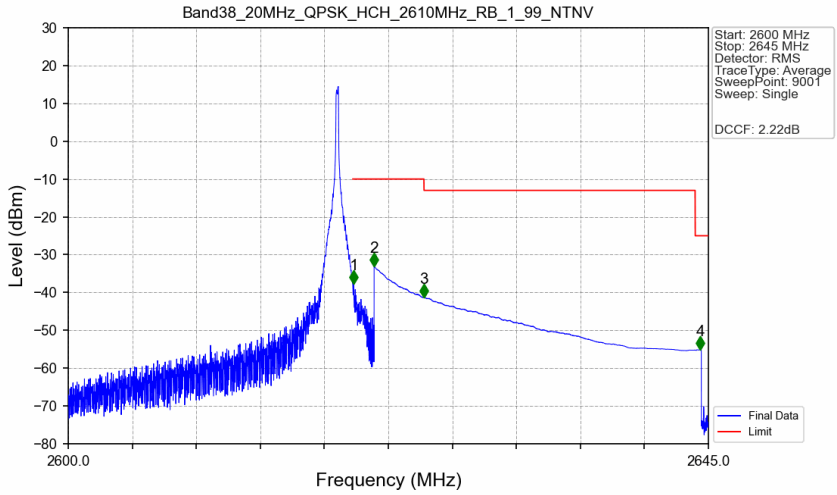
Band38_20MHz_QPSK_HCH_2610MHz_RB_1_0_NTNV



Band38_20MHz_QPSK_HCH_2610MHz_RB_1_0_NTNV

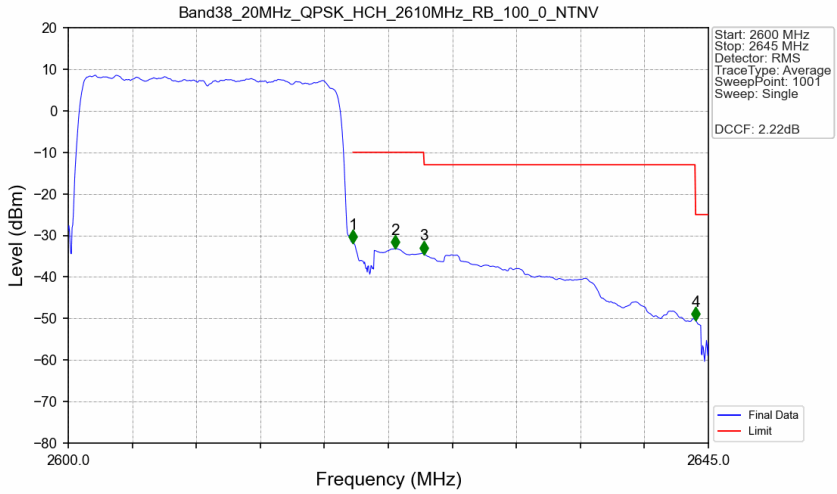


Band38_20MHz_QPSK_HCH_2610MHz_RB_1_99_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2600	2620	0.02	CHP	/	/	/	/	/
2620	2621	0.02	CHP	1	2620.060	-37.72	-10	Pass
2621	2625	1	CHP	2	2621.500	-32.99	-10	Pass
2625	2644.066	1	CHP	3	2625.005	-41.28	-13	Pass
2644.066	2645	1	CHP	4	2644.430	-55.13	-25	Pass

Band38_20MHz_QPSK_HCH_2610MHz_RB_100_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2600	2620	0.481	CHP	/	/	/	/	/
2620	2621	0.481	CHP	1	2620.025	-31.80	-10	Pass
2621	2625	1	CHP	2	2622.995	-33.21	-10	Pass
2625	2644.066	1	CHP	3	2625.020	-34.50	-13	Pass
2644.066	2645	1	CHP	4	2644.100	-50.40	-25	Pass