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	23.68	-1.49	22.19	<=33.01	Pass
			13	23.75	-1.49	22.26	<=33.01	Pass
			24	23.59	-1.49	22.10	<=33.01	Pass
		12	0	22.71	-1.49	21.22	<=33.01	Pass
			6	22.70	-1.49	21.21	<=33.01	Pass
			13	22.79	-1.49	21.30	<=33.01	Pass
		25	0	22.83	-1.49	21.34	<=33.01	Pass
	2595	1	0	23.67	-1.49	22.18	<=33.01	Pass
			13	23.77	-1.49	22.28	<=33.01	Pass
			24	23.62	-1.49	22.13	<=33.01	Pass
		12	0	22.77	-1.49	21.28	<=33.01	Pass
			6	22.90	-1.49	21.41	<=33.01	Pass
			13	22.84	-1.49	21.35	<=33.01	Pass
		25	0	22.78	-1.49	21.29	<=33.01	Pass
	2617.5	1	0	23.71	-1.49	22.22	<=33.01	Pass
			13	23.78	-1.49	22.29	<=33.01	Pass
			24	23.69	-1.49	22.20	<=33.01	Pass
		12	0	22.78	-1.49	21.29	<=33.01	Pass
			6	22.66	-1.49	21.17	<=33.01	Pass
			13	22.72	-1.49	21.23	<=33.01	Pass
		25	0	22.84	-1.49	21.35	<=33.01	Pass
16QAM	2572.5	1	0	22.70	-1.49	21.21	<=33.01	Pass
			13	22.88	-1.49	21.39	<=33.01	Pass
			24	22.55	-1.49	21.06	<=33.01	Pass
		12	0	21.82	-1.49	20.33	<=33.01	Pass
			6	21.78	-1.49	20.29	<=33.01	Pass
			13	21.73	-1.49	20.24	<=33.01	Pass
		25	0	21.67	-1.49	20.18	<=33.01	Pass
	2595	1	0	22.80	-1.49	21.31	<=33.01	Pass
			13	22.77	-1.49	21.28	<=33.01	Pass
			24	22.57	-1.49	21.08	<=33.01	Pass
		12	0	21.78	-1.49	20.29	<=33.01	Pass
			6	21.80	-1.49	20.31	<=33.01	Pass
			13	21.84	-1.49	20.35	<=33.01	Pass
		25	0	21.70	-1.49	20.21	<=33.01	Pass
	2617.5	1	0	22.73	-1.49	21.24	<=33.01	Pass
			13	22.82	-1.49	21.33	<=33.01	Pass
			24	22.77	-1.49	21.28	<=33.01	Pass
		12	0	21.83	-1.49	20.34	<=33.01	Pass
			6	21.73	-1.49	20.24	<=33.01	Pass
			13	21.79	-1.49	20.30	<=33.01	Pass
		25	0	21.82	-1.49	20.33	<=33.01	Pass
64QAM	2572.5	1	0	22.62	-1.49	21.13	<=33.01	Pass
			13	22.72	-1.49	21.23	<=33.01	Pass
			24	22.61	-1.49	21.12	<=33.01	Pass
		12	0	21.81	-1.49	20.32	<=33.01	Pass
			6	21.73	-1.49	20.24	<=33.01	Pass
			13	21.81	-1.49	20.32	<=33.01	Pass
		25	0	21.79	-1.49	20.30	<=33.01	Pass

	2595	1	0	22.56	-1.49	21.07	<=33.01	Pass
			13	22.53	-1.49	21.04	<=33.01	Pass
			24	22.69	-1.49	21.20	<=33.01	Pass
		12	0	21.77	-1.49	20.28	<=33.01	Pass
			6	21.95	-1.49	20.46	<=33.01	Pass
			13	21.84	-1.49	20.35	<=33.01	Pass
		25	0	21.73	-1.49	20.24	<=33.01	Pass
	2617.5	1	0	22.81	-1.49	21.32	<=33.01	Pass
			13	22.69	-1.49	21.20	<=33.01	Pass
			24	22.62	-1.49	21.13	<=33.01	Pass
		12	0	21.88	-1.49	20.39	<=33.01	Pass
			6	21.79	-1.49	20.30	<=33.01	Pass
			13	21.83	-1.49	20.34	<=33.01	Pass
		25	0	21.78	-1.49	20.29	<=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	23.65	-1.49	22.16	<=33.01	Pass
			25	23.66	-1.49	22.17	<=33.01	Pass
			49	23.61	-1.49	22.12	<=33.01	Pass
		25	0	22.88	-1.49	21.39	<=33.01	Pass
			13	22.82	-1.49	21.33	<=33.01	Pass
			25	22.75	-1.49	21.26	<=33.01	Pass
		50	0	22.83	-1.49	21.34	<=33.01	Pass
	2595	1	0	23.72	-1.49	22.23	<=33.01	Pass
			25	23.76	-1.49	22.27	<=33.01	Pass
			49	23.65	-1.49	22.16	<=33.01	Pass
		25	0	22.65	-1.49	21.16	<=33.01	Pass
			13	22.80	-1.49	21.31	<=33.01	Pass
			25	22.87	-1.49	21.38	<=33.01	Pass
		50	0	22.80	-1.49	21.31	<=33.01	Pass
	2615	1	0	23.69	-1.49	22.20	<=33.01	Pass
			25	23.69	-1.49	22.20	<=33.01	Pass
			49	23.59	-1.49	22.10	<=33.01	Pass
		25	0	22.83	-1.49	21.34	<=33.01	Pass
			13	22.89	-1.49	21.40	<=33.01	Pass
			25	22.83	-1.49	21.34	<=33.01	Pass
		50	0	22.86	-1.49	21.37	<=33.01	Pass
16QAM	2575	1	0	22.52	-1.49	21.03	<=33.01	Pass
			25	22.62	-1.49	21.13	<=33.01	Pass
			49	22.70	-1.49	21.21	<=33.01	Pass
		25	0	21.94	-1.49	20.45	<=33.01	Pass
			13	21.84	-1.49	20.35	<=33.01	Pass
			25	21.71	-1.49	20.22	<=33.01	Pass
		50	0	21.83	-1.49	20.34	<=33.01	Pass
	2595	1	0	22.67	-1.49	21.18	<=33.01	Pass
			25	22.75	-1.49	21.26	<=33.01	Pass
			49	22.63	-1.49	21.14	<=33.01	Pass
		25	0	21.83	-1.49	20.34	<=33.01	Pass
			13	21.81	-1.49	20.32	<=33.01	Pass
			25	21.74	-1.49	20.25	<=33.01	Pass
		50	0	21.77	-1.49	20.28	<=33.01	Pass
	2615	1	0	22.68	-1.49	21.19	<=33.01	Pass

			25	22.86	-1.49	21.37	<=33.01	Pass
			49	22.85	-1.49	21.36	<=33.01	Pass
		25	0	21.90	-1.49	20.41	<=33.01	Pass
			13	21.79	-1.49	20.30	<=33.01	Pass
			25	21.73	-1.49	20.24	<=33.01	Pass
		50	0	21.86	-1.49	20.37	<=33.01	Pass
64QAM	2575	1	0	22.61	-1.49	21.12	<=33.01	Pass
			25	22.60	-1.49	21.11	<=33.01	Pass
			49	22.37	-1.49	20.88	<=33.01	Pass
		25	0	21.84	-1.49	20.35	<=33.01	Pass
			13	21.79	-1.49	20.30	<=33.01	Pass
			25	21.71	-1.49	20.22	<=33.01	Pass
		50	0	21.74	-1.49	20.25	<=33.01	Pass
	2595	1	0	22.68	-1.49	21.19	<=33.01	Pass
			25	22.52	-1.49	21.03	<=33.01	Pass
			49	22.38	-1.49	20.89	<=33.01	Pass
		25	0	21.81	-1.49	20.32	<=33.01	Pass
			13	21.75	-1.49	20.26	<=33.01	Pass
			25	21.81	-1.49	20.32	<=33.01	Pass
		50	0	21.73	-1.49	20.24	<=33.01	Pass
	2615	1	0	22.71	-1.49	21.22	<=33.01	Pass
			25	22.56	-1.49	21.07	<=33.01	Pass
			49	22.81	-1.49	21.32	<=33.01	Pass
		25	0	21.89	-1.49	20.40	<=33.01	Pass
			13	21.87	-1.49	20.38	<=33.01	Pass
			25	21.78	-1.49	20.29	<=33.01	Pass
		50	0	21.71	-1.49	20.22	<=33.01	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.1.3 B38_15MHz_EIRP

Band: 38 / Bandwidth: 15MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	2577.5	1	0	23.68	-1.49	22.19	<=33.01	Pass
			38	23.77	-1.49	22.28	<=33.01	Pass
			74	23.57	-1.49	22.08	<=33.01	Pass
		36	0	22.80	-1.49	21.31	<=33.01	Pass
			18	22.78	-1.49	21.29	<=33.01	Pass
			39	22.58	-1.49	21.09	<=33.01	Pass
		75	0	22.77	-1.49	21.28	<=33.01	Pass
	2595	1	0	23.65	-1.49	22.16	<=33.01	Pass
			38	23.61	-1.49	22.12	<=33.01	Pass
			74	23.43	-1.49	21.94	<=33.01	Pass
		36	0	22.79	-1.49	21.30	<=33.01	Pass
			18	22.79	-1.49	21.30	<=33.01	Pass
			39	22.79	-1.49	21.30	<=33.01	Pass
		75	0	22.75	-1.49	21.26	<=33.01	Pass
	2612.5	1	0	23.64	-1.49	22.15	<=33.01	Pass
			38	23.62	-1.49	22.13	<=33.01	Pass
			74	23.59	-1.49	22.10	<=33.01	Pass
		36	0	22.84	-1.49	21.35	<=33.01	Pass
			18	22.80	-1.49	21.31	<=33.01	Pass
			39	22.81	-1.49	21.32	<=33.01	Pass
		75	0	22.85	-1.49	21.36	<=33.01	Pass
16QAM	2577.5	1	0	22.55	-1.49	21.06	<=33.01	Pass
			38	22.82	-1.49	21.33	<=33.01	Pass

			74	22.34	-1.49	20.85	<=33.01	Pass
		36	0	21.84	-1.49	20.35	<=33.01	Pass
			18	21.83	-1.49	20.34	<=33.01	Pass
			39	21.79	-1.49	20.30	<=33.01	Pass
		75	0	21.63	-1.49	20.14	<=33.01	Pass
	2595	1	0	22.64	-1.49	21.15	<=33.01	Pass
			38	22.74	-1.49	21.25	<=33.01	Pass
			74	22.75	-1.49	21.26	<=33.01	Pass
		36	0	21.82	-1.49	20.33	<=33.01	Pass
			18	21.75	-1.49	20.26	<=33.01	Pass
			39	21.70	-1.49	20.21	<=33.01	Pass
		75	0	21.61	-1.49	20.12	<=33.01	Pass
	2612.5	1	0	22.80	-1.49	21.31	<=33.01	Pass
			38	22.60	-1.49	21.11	<=33.01	Pass
			74	22.68	-1.49	21.19	<=33.01	Pass
		36	0	21.89	-1.49	20.40	<=33.01	Pass
			18	21.91	-1.49	20.42	<=33.01	Pass
			39	21.82	-1.49	20.33	<=33.01	Pass
		75	0	21.81	-1.49	20.32	<=33.01	Pass
64QAM	2577.5	1	0	22.71	-1.49	21.22	<=33.01	Pass
			38	22.68	-1.49	21.19	<=33.01	Pass
			74	22.54	-1.49	21.05	<=33.01	Pass
		36	0	21.77	-1.49	20.28	<=33.01	Pass
			18	21.71	-1.49	20.22	<=33.01	Pass
			39	21.71	-1.49	20.22	<=33.01	Pass
		75	0	21.65	-1.49	20.16	<=33.01	Pass
	2595	1	0	22.63	-1.49	21.14	<=33.01	Pass
			38	22.85	-1.49	21.36	<=33.01	Pass
			74	22.47	-1.49	20.98	<=33.01	Pass
		36	0	21.83	-1.49	20.34	<=33.01	Pass
			18	21.79	-1.49	20.30	<=33.01	Pass
			39	21.84	-1.49	20.35	<=33.01	Pass
		75	0	21.78	-1.49	20.29	<=33.01	Pass
	2612.5	1	0	22.80	-1.49	21.31	<=33.01	Pass
			38	22.96	-1.49	21.47	<=33.01	Pass
			74	22.61	-1.49	21.12	<=33.01	Pass
		36	0	21.92	-1.49	20.43	<=33.01	Pass
			18	21.86	-1.49	20.37	<=33.01	Pass
			39	21.63	-1.49	20.14	<=33.01	Pass
		75	0	21.78	-1.49	20.29	<=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	23.66	-1.49	22.17	<=33.01	Pass
			50	23.58	-1.49	22.09	<=33.01	Pass
			99	23.45	-1.49	21.96	<=33.01	Pass
		50	0	22.78	-1.49	21.29	<=33.01	Pass
			25	22.82	-1.49	21.33	<=33.01	Pass
			50	22.75	-1.49	21.26	<=33.01	Pass
		100	0	22.78	-1.49	21.29	<=33.01	Pass
	2595	1	0	23.70	-1.49	22.21	<=33.01	Pass
			50	23.59	-1.49	22.10	<=33.01	Pass
			99	23.43	-1.49	21.94	<=33.01	Pass

		50	0	22.80	-1.49	21.31	<=33.01	Pass
			25	22.79	-1.49	21.30	<=33.01	Pass
			50	22.80	-1.49	21.31	<=33.01	Pass
		100	0	22.78	-1.49	21.29	<=33.01	Pass
	2610	1	0	23.67	-1.49	22.18	<=33.01	Pass
			50	23.57	-1.49	22.08	<=33.01	Pass
			99	23.46	-1.49	21.97	<=33.01	Pass
		50	0	22.80	-1.49	21.31	<=33.01	Pass
			25	22.79	-1.49	21.30	<=33.01	Pass
			50	22.67	-1.49	21.18	<=33.01	Pass
		100	0	22.78	-1.49	21.29	<=33.01	Pass
16QAM	2580	1	0	22.76	-1.49	21.27	<=33.01	Pass
			50	22.61	-1.49	21.12	<=33.01	Pass
			99	22.61	-1.49	21.12	<=33.01	Pass
		50	0	21.78	-1.49	20.29	<=33.01	Pass
			25	21.80	-1.49	20.31	<=33.01	Pass
			50	21.62	-1.49	20.13	<=33.01	Pass
		100	0	21.73	-1.49	20.24	<=33.01	Pass
	2595	1	0	22.74	-1.49	21.25	<=33.01	Pass
			50	22.66	-1.49	21.17	<=33.01	Pass
			99	22.54	-1.49	21.05	<=33.01	Pass
		50	0	21.82	-1.49	20.33	<=33.01	Pass
			25	21.74	-1.49	20.25	<=33.01	Pass
			50	21.69	-1.49	20.20	<=33.01	Pass
		100	0	21.73	-1.49	20.24	<=33.01	Pass
	2610	1	0	22.86	-1.49	21.37	<=33.01	Pass
			50	22.79	-1.49	21.30	<=33.01	Pass
			99	22.43	-1.49	20.94	<=33.01	Pass
		50	0	21.94	-1.49	20.45	<=33.01	Pass
			25	21.90	-1.49	20.41	<=33.01	Pass
			50	21.86	-1.49	20.37	<=33.01	Pass
		100	0	21.90	-1.49	20.41	<=33.01	Pass
64QAM	2580	1	0	22.68	-1.49	21.19	<=33.01	Pass
			50	22.63	-1.49	21.14	<=33.01	Pass
			99	22.39	-1.49	20.90	<=33.01	Pass
		50	0	21.81	-1.49	20.32	<=33.01	Pass
			25	21.78	-1.49	20.29	<=33.01	Pass
			50	21.55	-1.49	20.06	<=33.01	Pass
		100	0	21.77	-1.49	20.28	<=33.01	Pass
	2595	1	0	22.80	-1.49	21.31	<=33.01	Pass
			50	22.54	-1.49	21.05	<=33.01	Pass
			99	22.47	-1.49	20.98	<=33.01	Pass
		50	0	21.84	-1.49	20.35	<=33.01	Pass
			25	21.85	-1.49	20.36	<=33.01	Pass
			50	21.75	-1.49	20.26	<=33.01	Pass
		100	0	21.73	-1.49	20.24	<=33.01	Pass
	2610	1	0	22.73	-1.49	21.24	<=33.01	Pass
			50	22.78	-1.49	21.29	<=33.01	Pass
			99	22.60	-1.49	21.11	<=33.01	Pass
		50	0	21.91	-1.49	20.42	<=33.01	Pass
			25	21.81	-1.49	20.32	<=33.01	Pass
			50	21.72	-1.49	20.23	<=33.01	Pass
		100	0	21.91	-1.49	20.42	<=33.01	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

2. Frequency Stability

2.1 Test Result

2.1.1 B38_10MHz

Band: 38 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2595	50	0	20	LV	-3.000	-0.0012	-2.5 to 2.5	Pass
					NV	-2.700	-0.0010	-2.5 to 2.5	Pass
					HV	-3.100	-0.0012	-2.5 to 2.5	Pass
				-30	NV	-2.600	-0.0010	-2.5 to 2.5	Pass
				-20	NV	-3.600	-0.0014	-2.5 to 2.5	Pass
				-10	NV	-4.000	-0.0015	-2.5 to 2.5	Pass
				0	NV	-4.100	-0.0016	-2.5 to 2.5	Pass
				10	NV	-3.800	-0.0015	-2.5 to 2.5	Pass
				30	NV	-2.500	-0.0010	-2.5 to 2.5	Pass
				40	NV	-2.500	-0.0010	-2.5 to 2.5	Pass
				50	NV	-5.500	-0.0021	-2.5 to 2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 Band38_OBW

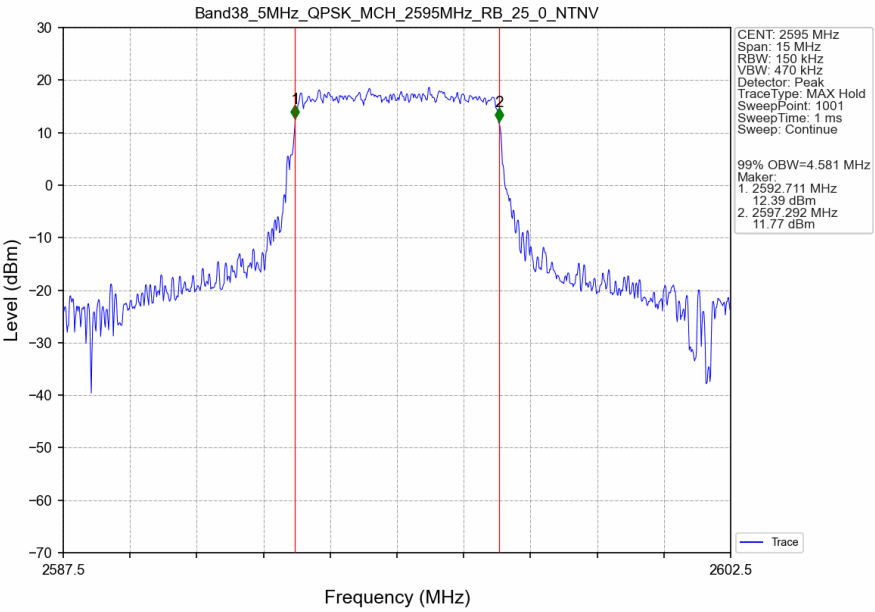
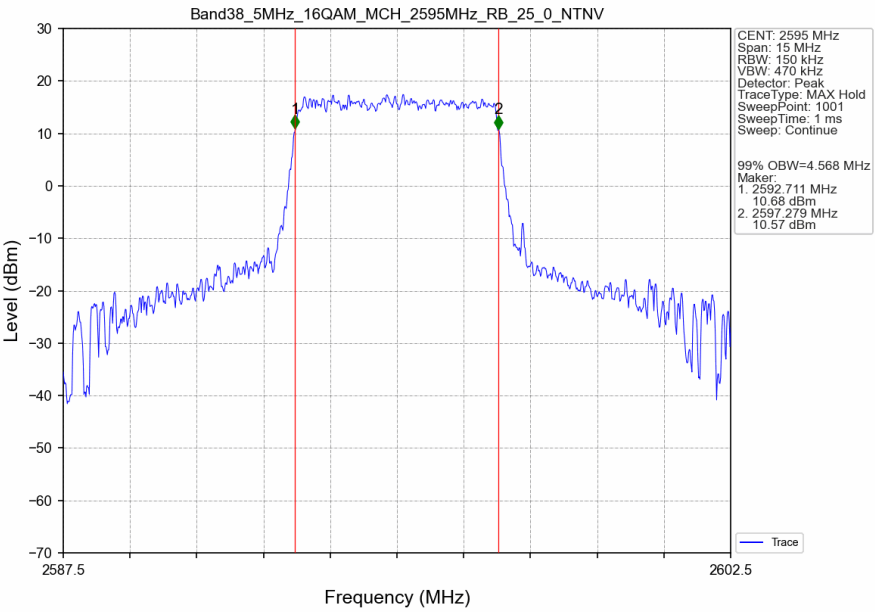
Band: 38 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2595	25	0	4.581	/	Pass
	16QAM	2595	25	0	4.568	/	Pass
10	QPSK	2595	50	0	9.082	/	Pass
	16QAM	2595	50	0	9.077	/	Pass
15	QPSK	2595	75	0	13.622	/	Pass
	16QAM	2595	75	0	13.606	/	Pass
20	QPSK	2595	100	0	18.153	/	Pass
	16QAM	2595	100	0	18.183	/	Pass

3.1.2 Band38_XDB

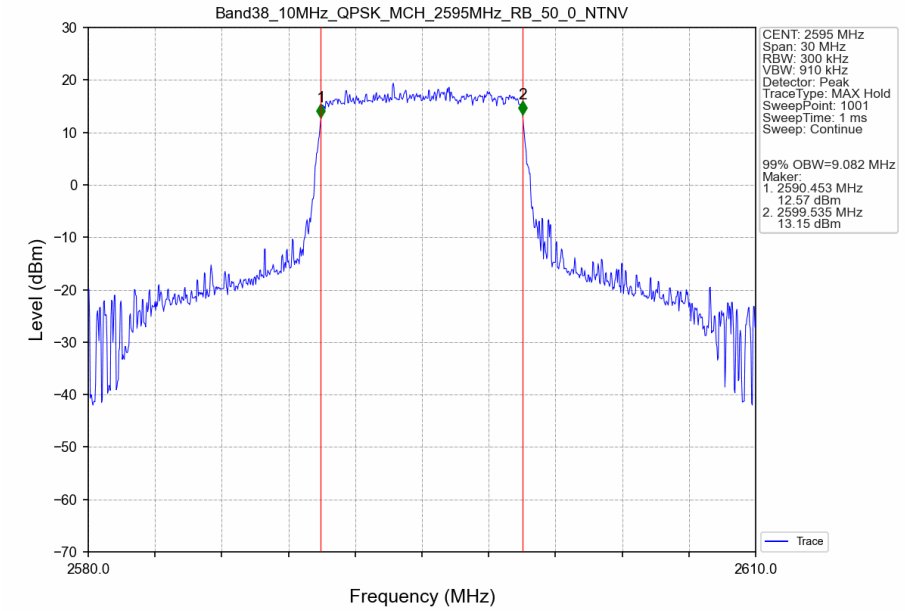
Band: 38 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2595	25	0	5.494	/	Pass
	16QAM	2595	25	0	5.483	/	Pass
10	QPSK	2595	50	0	10.478	/	Pass
	16QAM	2595	50	0	10.798	/	Pass
15	QPSK	2595	75	0	15.096	/	Pass
	16QAM	2595	75	0	15.608	/	Pass
20	QPSK	2595	100	0	21.051	/	Pass
	16QAM	2595	100	0	20.168	/	Pass

3.2 Test Graph

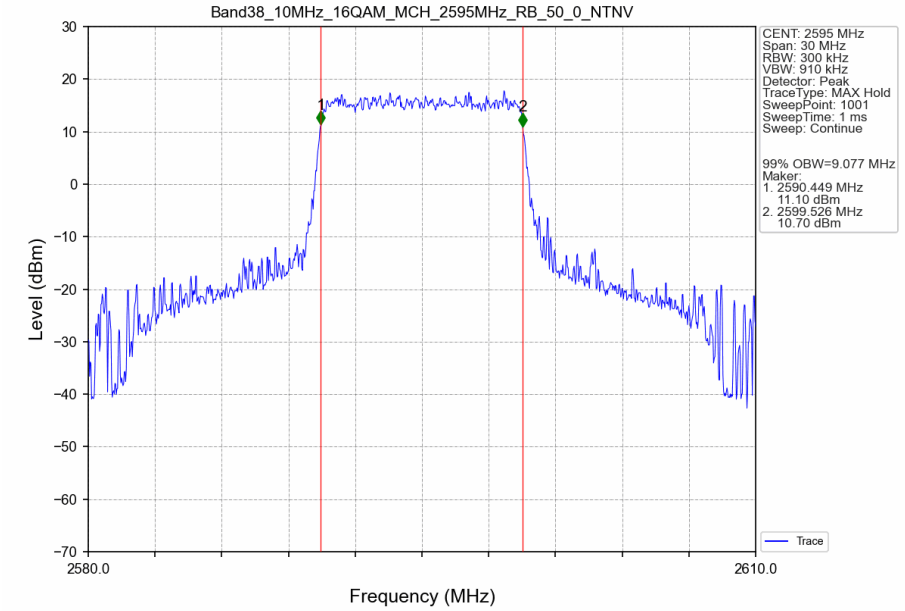
3.2.1 Band38_OBW

Band38_5MHz_QPSK_MCH_2595MHz_RB_25_0_NTNV

Band38_5MHz_16QAM_MCH_2595MHz_RB_25_0_NTNV


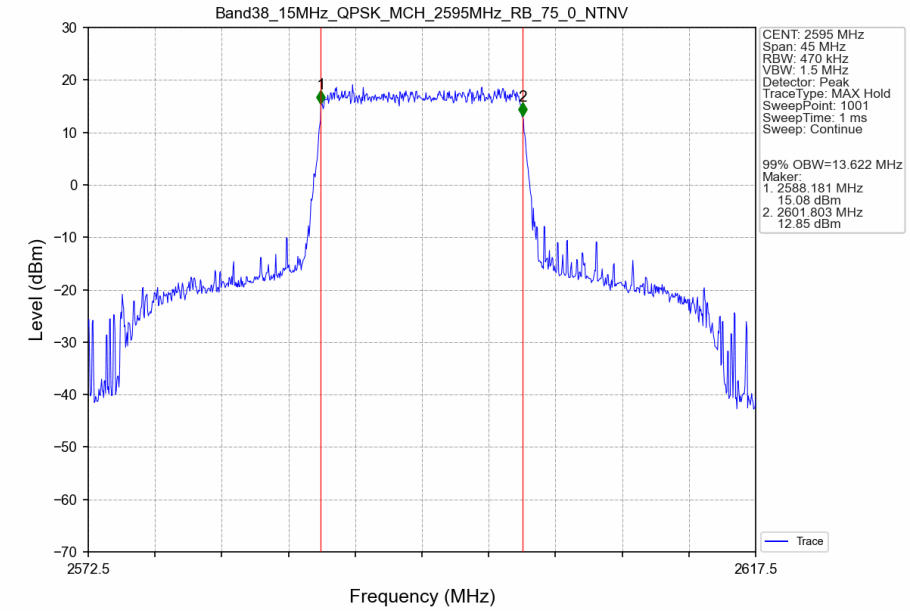
Band38_10MHz_QPSK_MCH_2595MHz_RB_50_0_NTNV



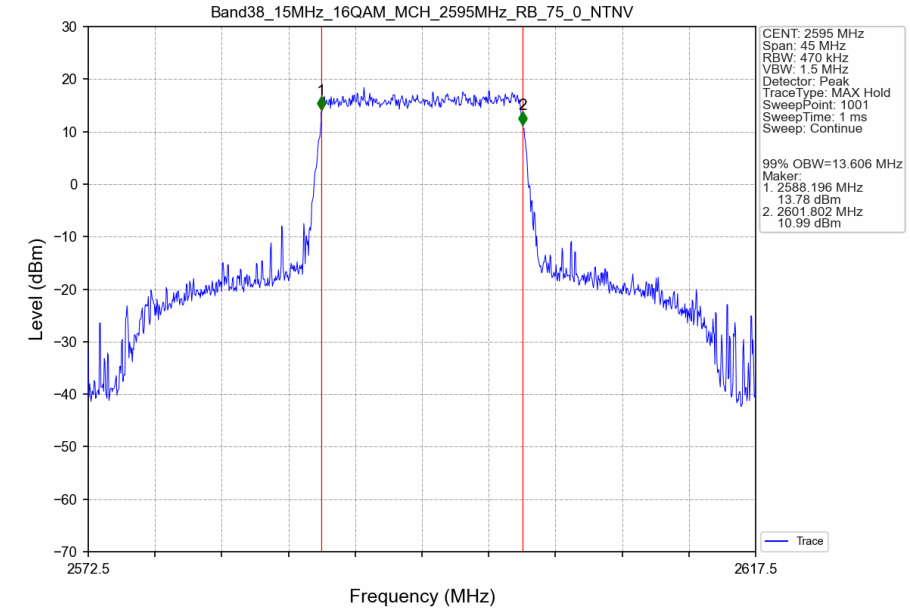
Band38_10MHz_16QAM_MCH_2595MHz_RB_50_0_NTNV



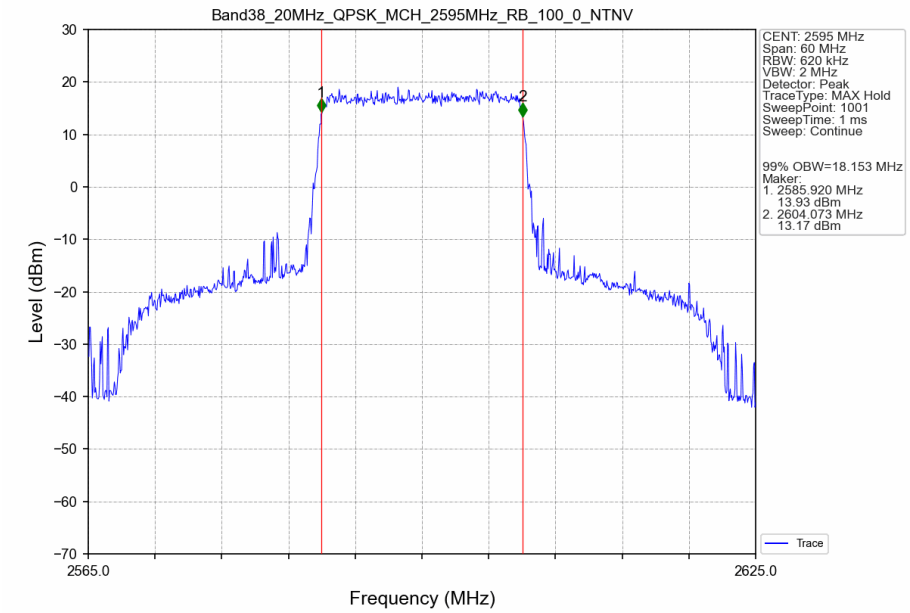
Band38_15MHz_QPSK_MCH_2595MHz_RB_75_0_NTNV



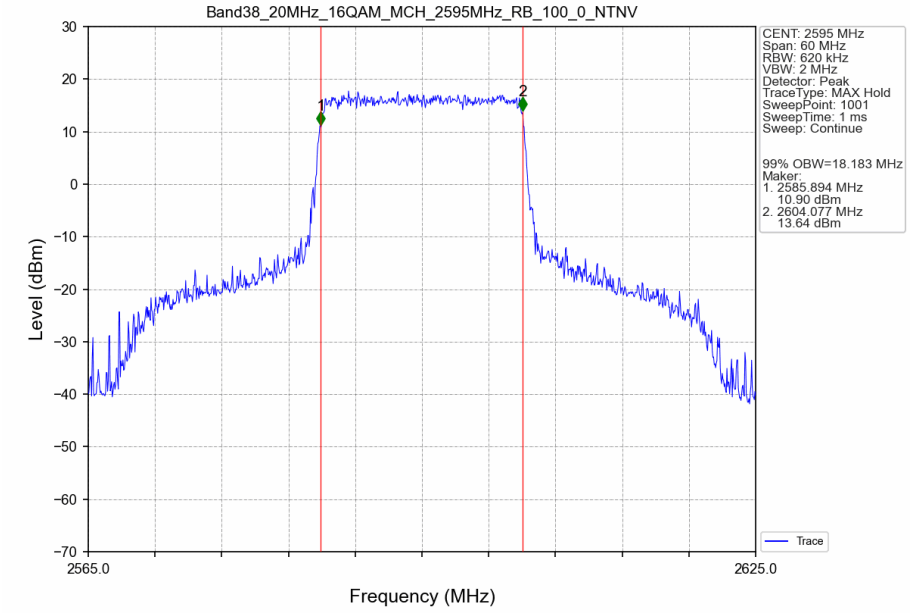
Band38_15MHz_16QAM_MCH_2595MHz_RB_75_0_NTNV



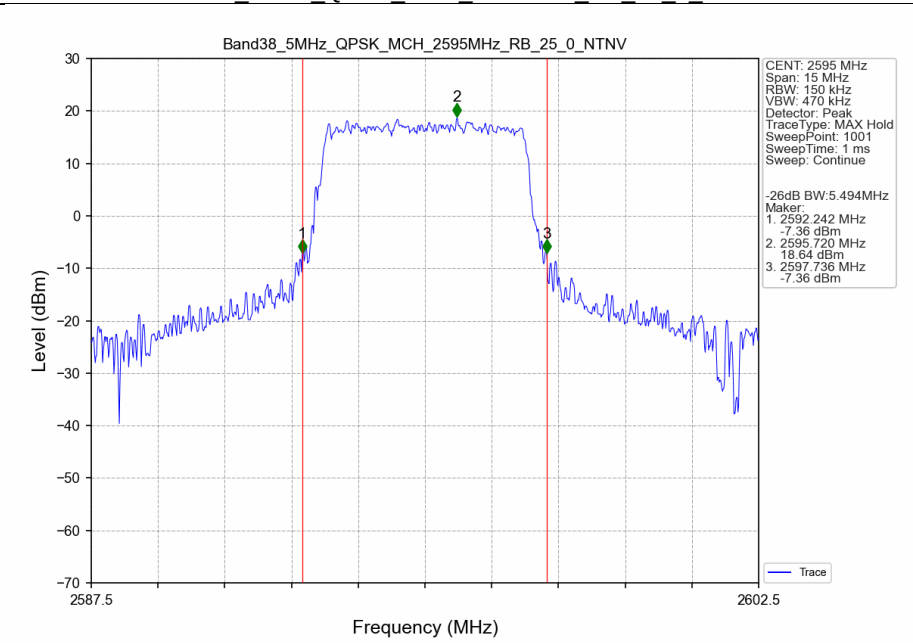
Band38_20MHz_QPSK_MCH_2595MHz_RB_100_0_NTNV

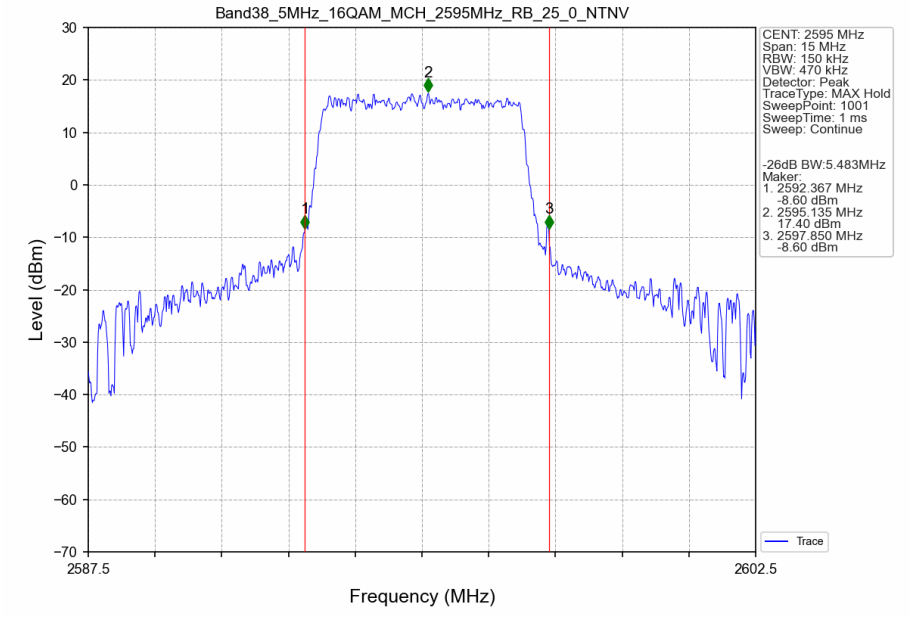


Band38_20MHz_16QAM_MCH_2595MHz_RB_100_0_NTNV

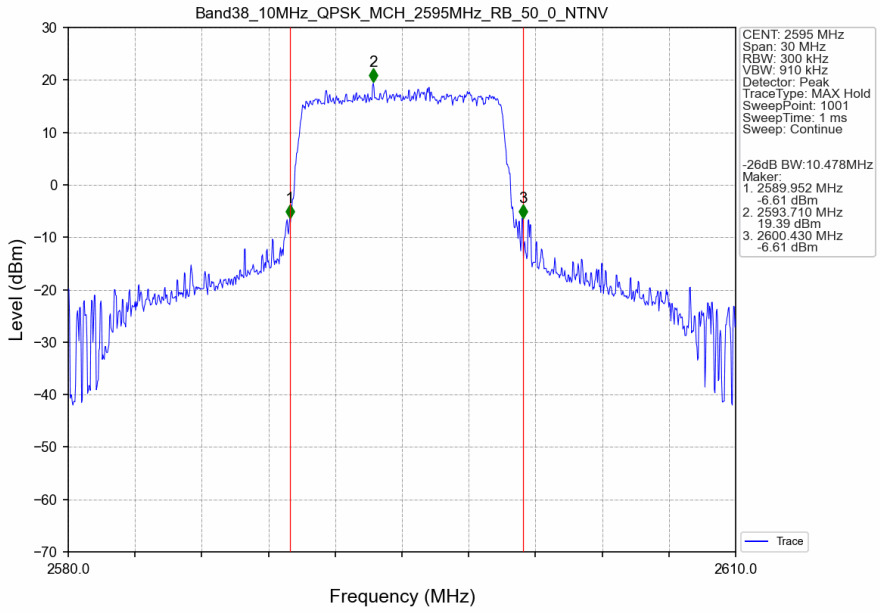


3.2.2 Band38_XDB

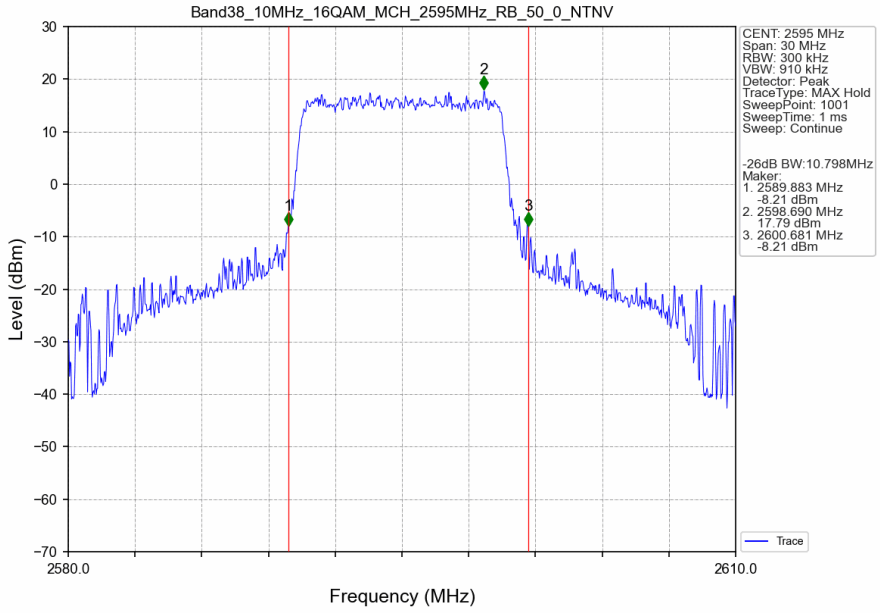
Band38_5MHz_QPSK_MCH_2595MHz_RB_25_0_NTNV


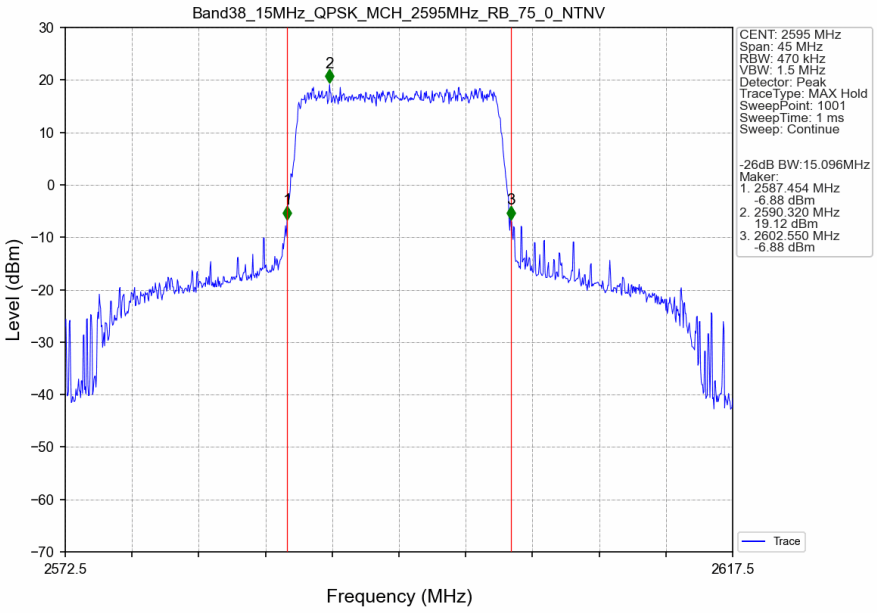
Band38_5MHz_16QAM_MCH_2595MHz_RB_25_0_NTNV


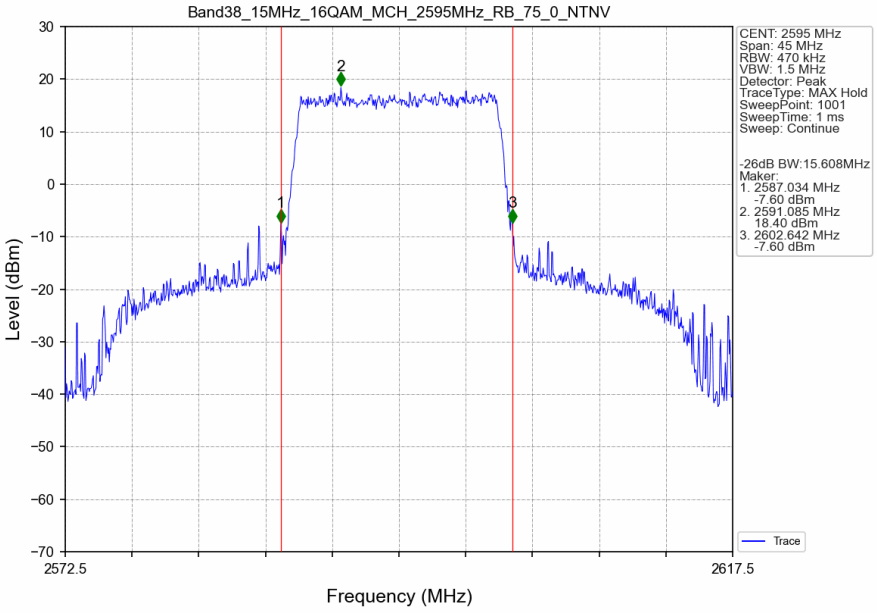
Band38_10MHz_QPSK_MCH_2595MHz_RB_50_0_NTNV



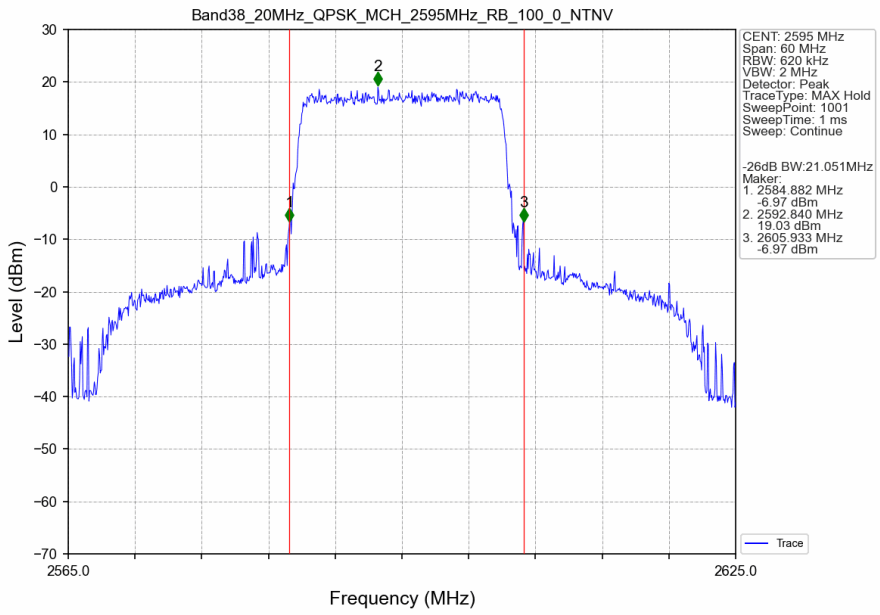
Band38_10MHz_16QAM_MCH_2595MHz_RB_50_0_NTNV



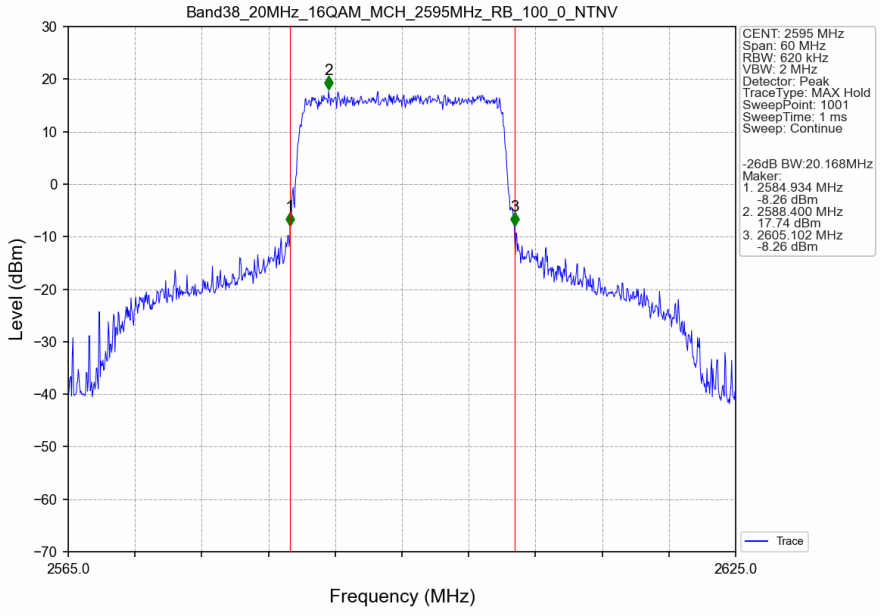
Band38_15MHz_QPSK_MCH_2595MHz_RB_75_0_NTNV


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

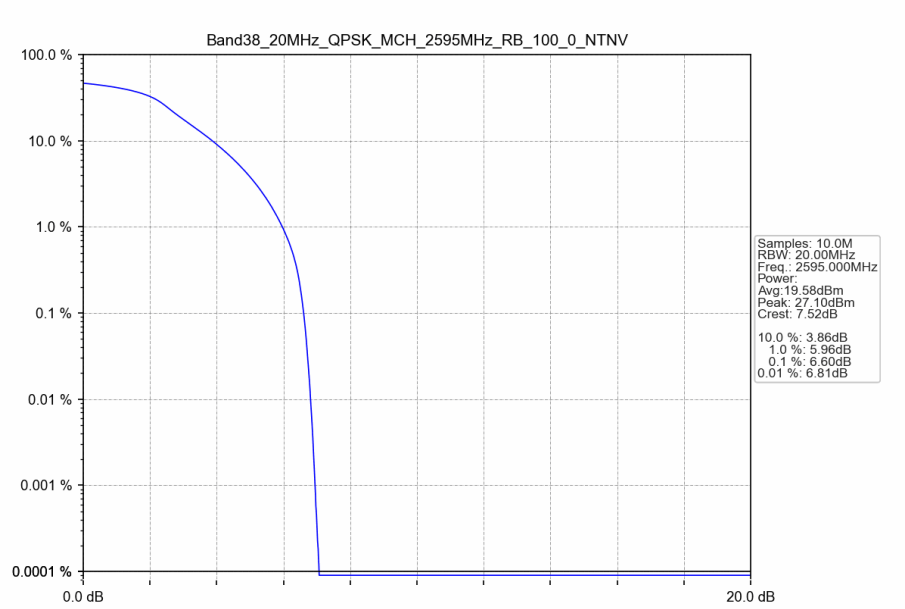
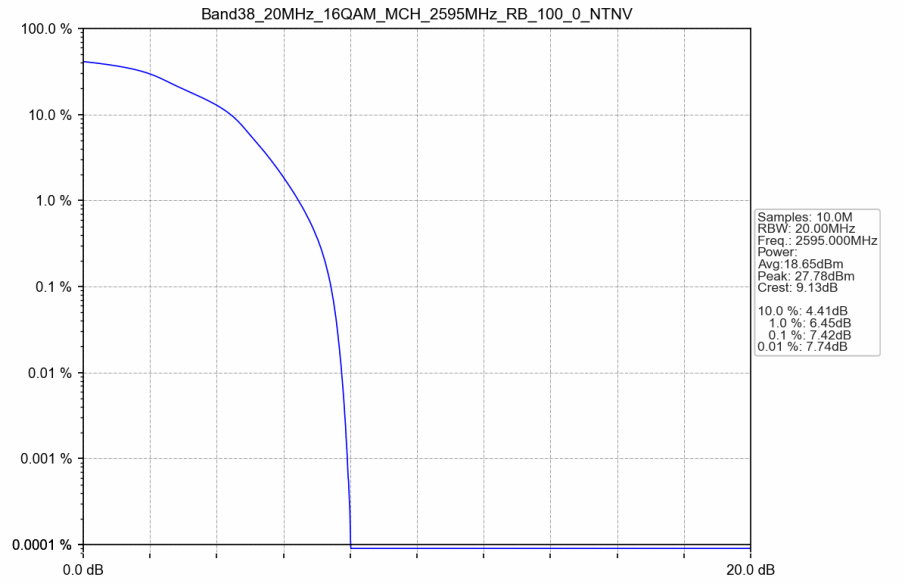
4.1 Test Result

4.1.1 B38_20MHz

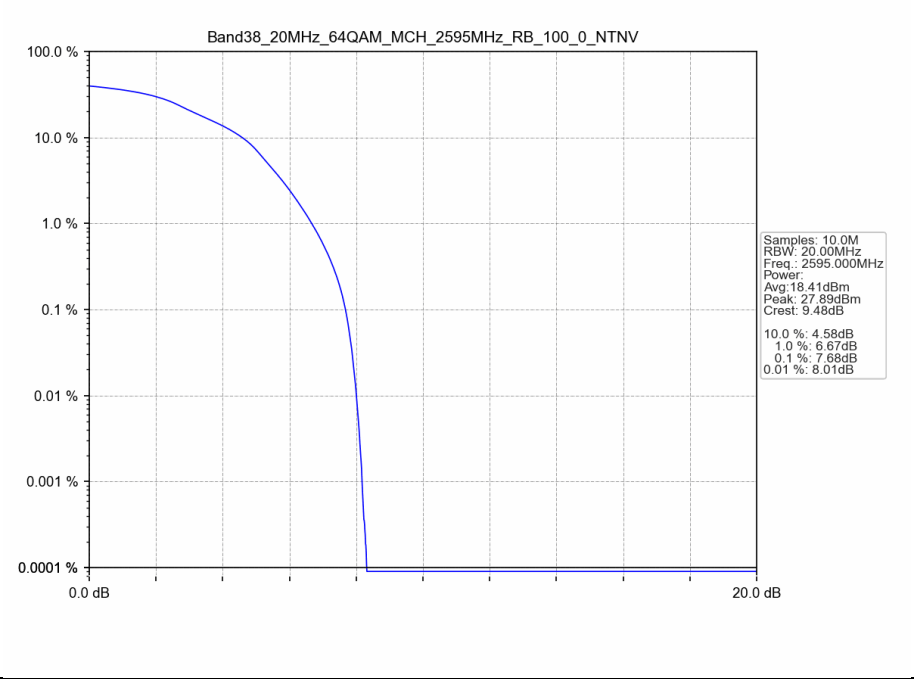
Band: 38 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2595	100	0	6.60	<=13	Pass
16QAM	2595	100	0	7.42	<=13	Pass
64QAM	2595	100	0	7.68	<=13	Pass

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



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

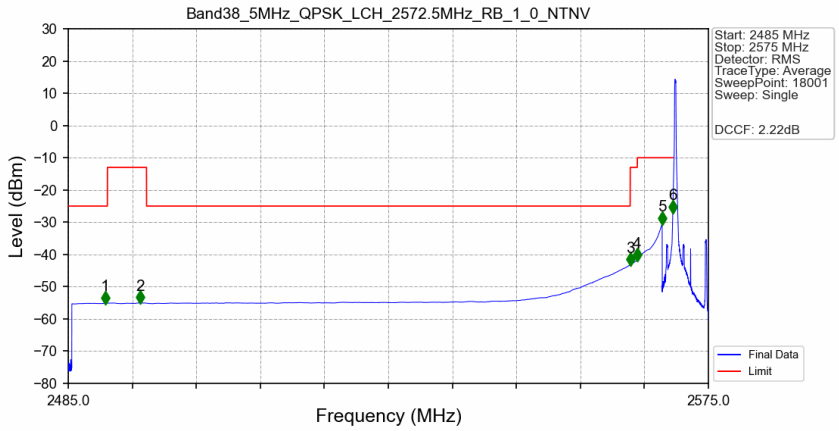
5.1.4 B38_20MHz

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

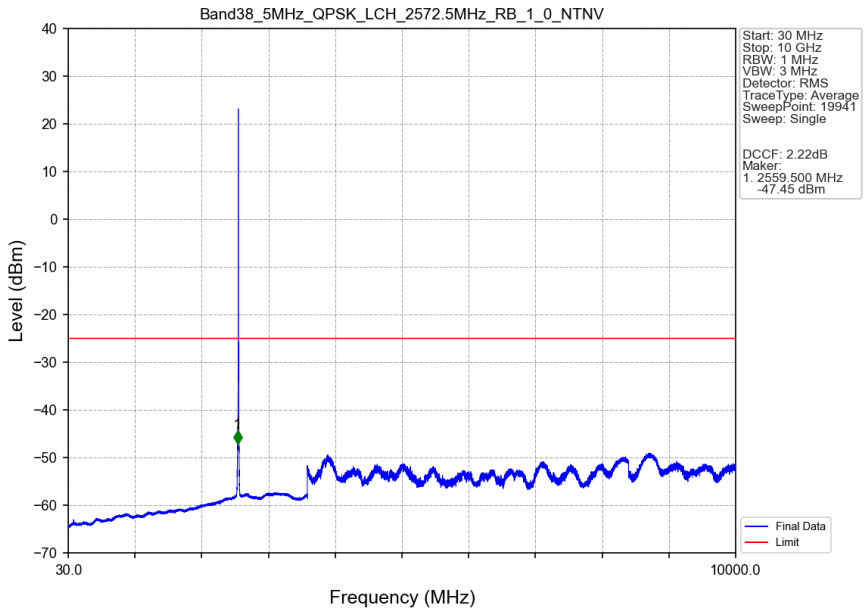
5.2.1 B38_5MHz

Band38_5MHz_QPSK_LCH_2572.5MHz_RB_1_0_NTNV

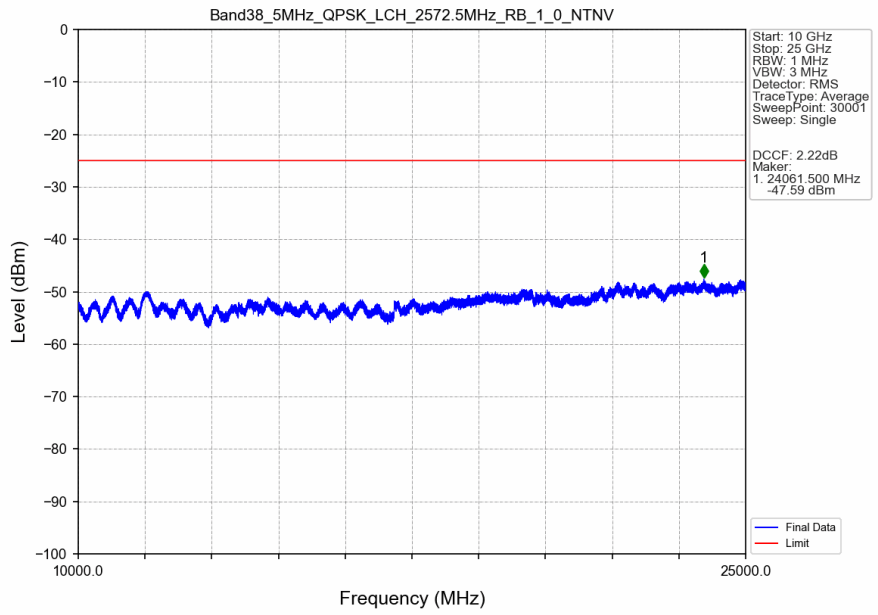


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2490.215	-55.11	-25	Pass
2490.5	2496	1	CHP	2	2495.080	-55.03	-13	Pass
2496	2564	1	CHP	3	2564.000	-43.26	-25	Pass
2564	2565	1	CHP	4	2565.000	-41.83	-13	Pass
2565	2569	1	CHP	5	2568.500	-30.42	-10	Pass
2569	2570	0.02	CHP	6	2569.995	-26.86	-10	Pass
2570	2575	0.02	CHP	/	/	/	/	/

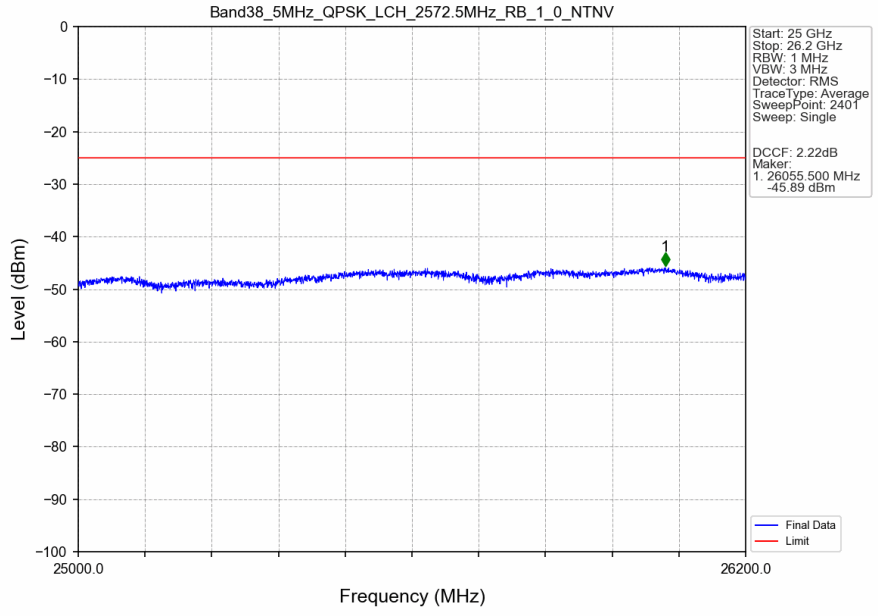
Band38_5MHz_QPSK_LCH_2572.5MHz_RB_1_0_NTNV



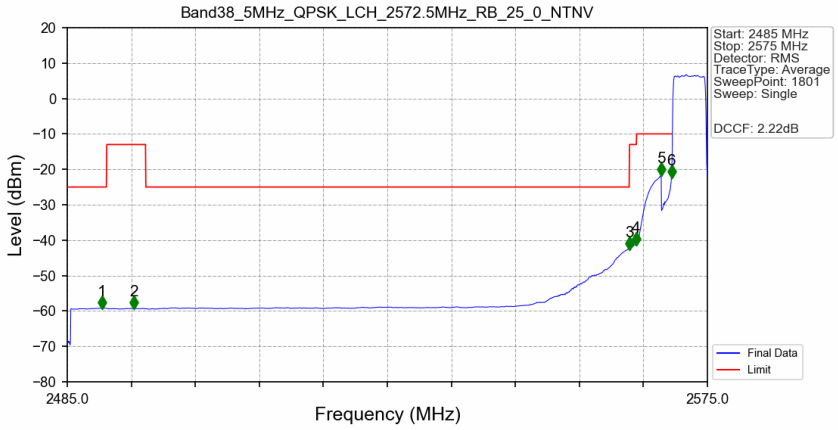
Band38_5MHz_QPSK_LCH_2572.5MHz_RB_1_0_NTNV



Band38_5MHz_QPSK_LCH_2572.5MHz_RB_1_0_NTNV

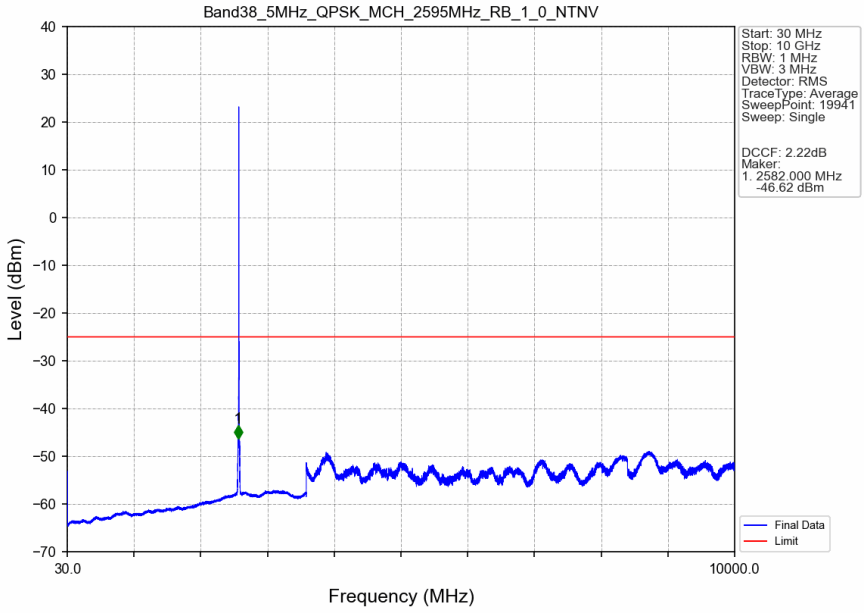


Band38_5MHz_QPSK_LCH_2572.5MHz_RB_25_0_NTNV

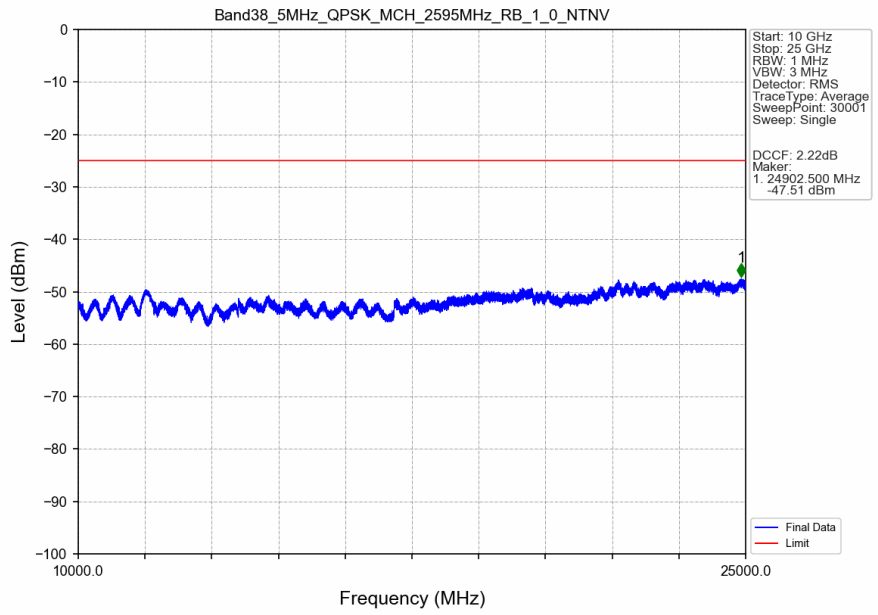


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2489.900	-59.15	-25	Pass
2490.5	2496	1	CHP	2	2494.350	-59.25	-13	Pass
2496	2564	1	CHP	3	2564.000	-42.55	-25	Pass
2564	2565	1	CHP	4	2565.000	-41.19	-13	Pass
2565	2569	1	CHP	5	2568.500	-21.54	-10	Pass
2569	2570	0.11	CHP	6	2569.950	-22.26	-10	Pass
2570	2575	0.11	CHP	/	/	/	/	/

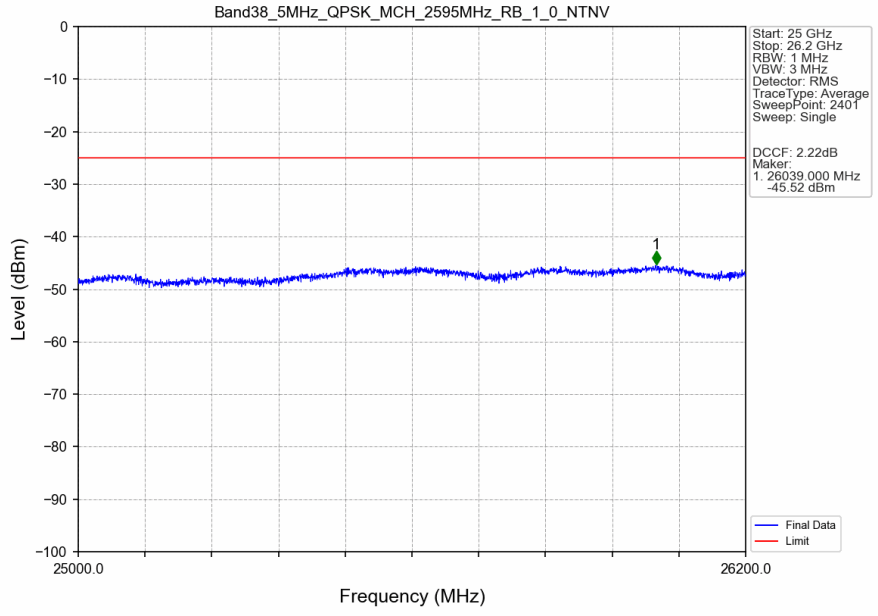
Band38_5MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



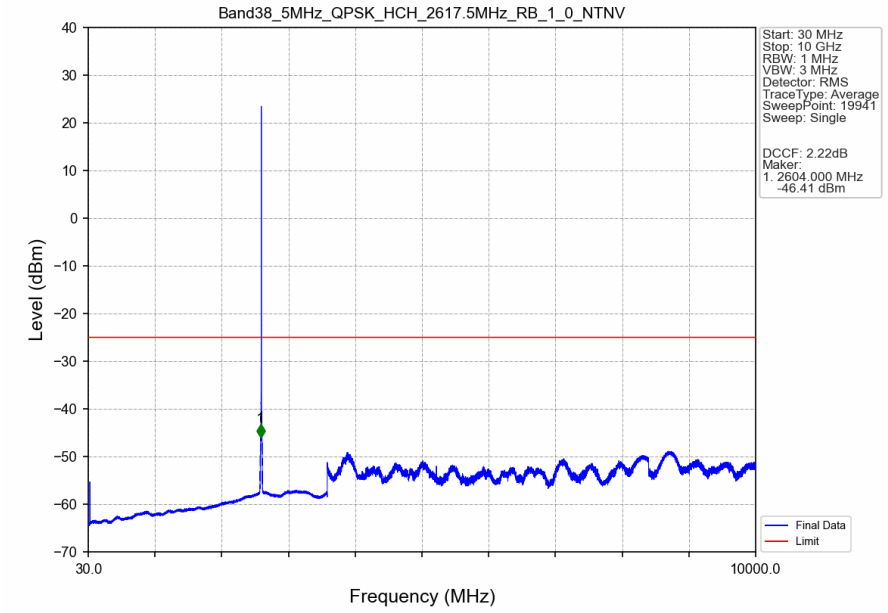
Band38_5MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



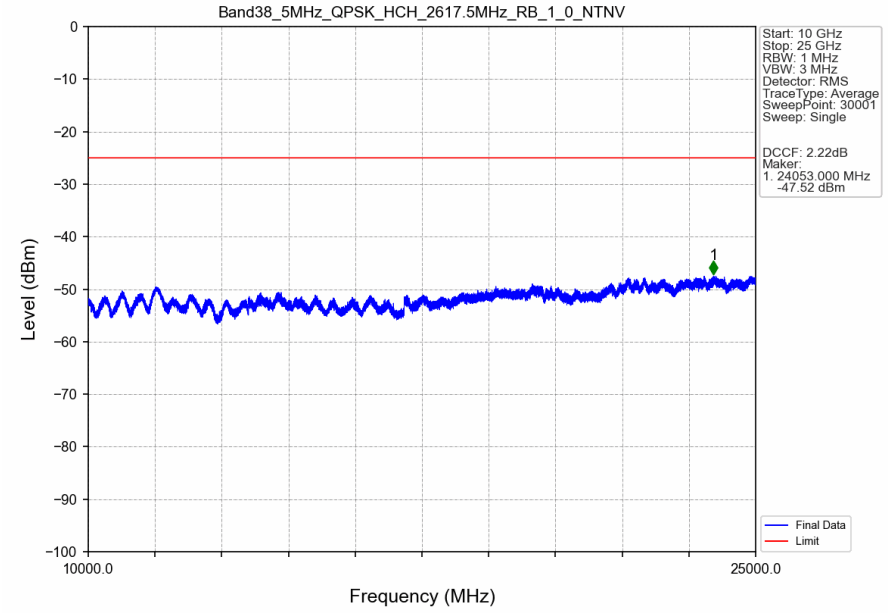
Band38_5MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



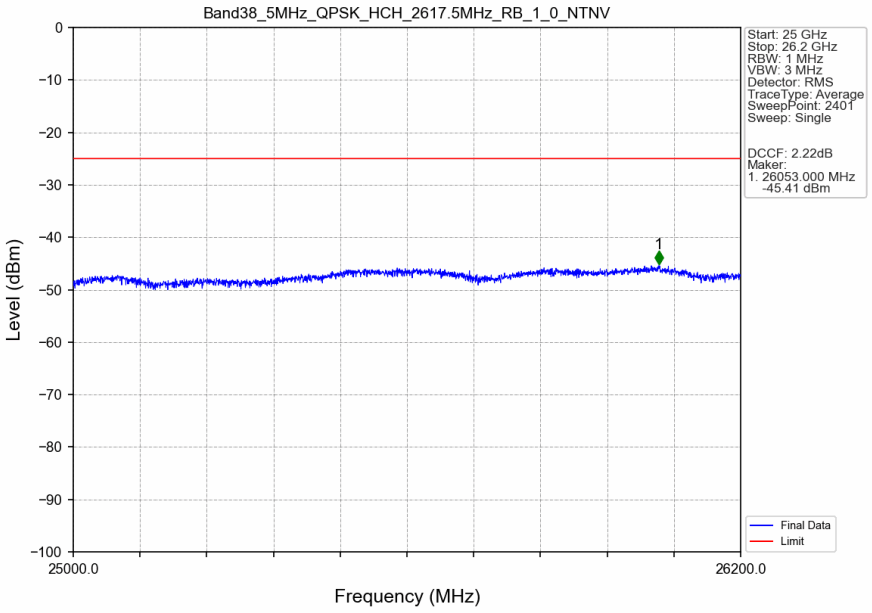
Band38_5MHz_QPSK_HCH_2617.5MHz_RB_1_0_NTNV



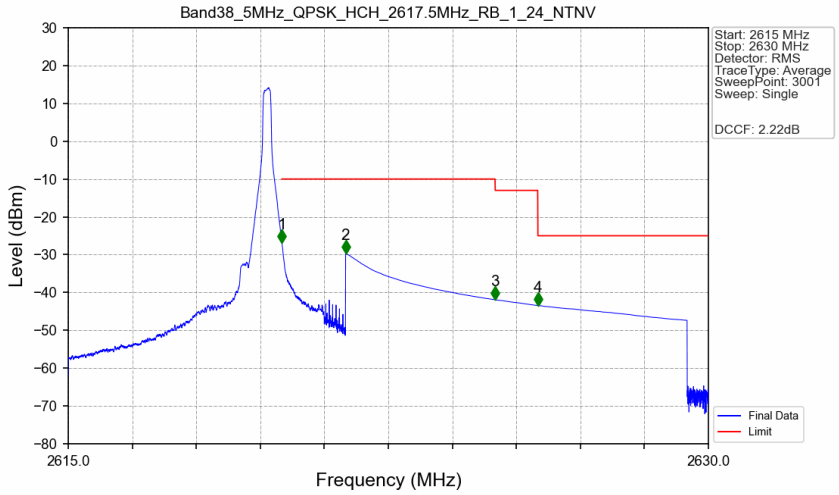
Band38_5MHz_QPSK_HCH_2617.5MHz_RB_1_0_NTNV



Band38_5MHz_QPSK_HCH_2617.5MHz_RB_1_0_NTNV

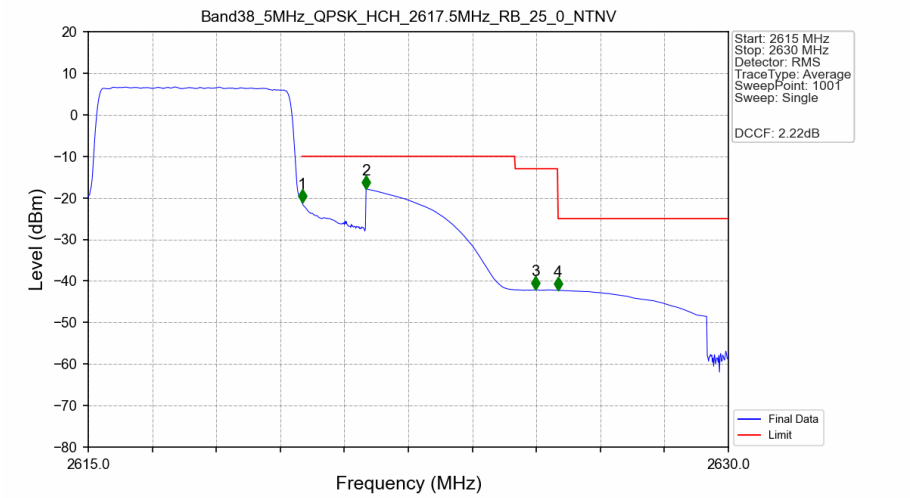


Band38_5MHz_QPSK_HCH_2617.5MHz_RB_1_24_NTNV



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	-26.86	-10	Pass
2621	2625	1	CHP	2	2621.500	-29.66	-10	Pass
2625	2626	1	CHP	3	2625.005	-41.93	-13	Pass
2626	2630	1	CHP	4	2626.005	-43.46	-25	Pass

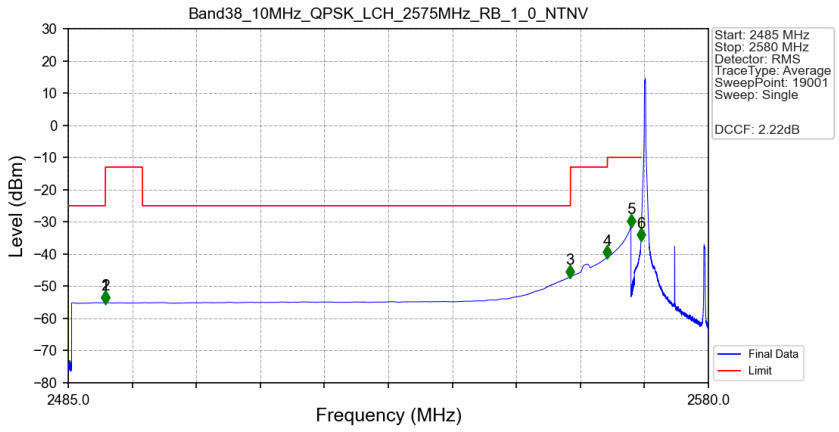
Band38_5MHz_QPSK_HCH_2617.5MHz_RB_25_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2615	2620	0.11	CHP	/	/	/	/	/
2620	2621	0.11	CHP	1	2620.010	-21.15	-10	Pass
2621	2625	1	CHP	2	2621.510	-17.84	-10	Pass
2625	2626	1	CHP	3	2625.485	-42.14	-13	Pass
2626	2630	1	CHP	4	2626.010	-42.25	-25	Pass

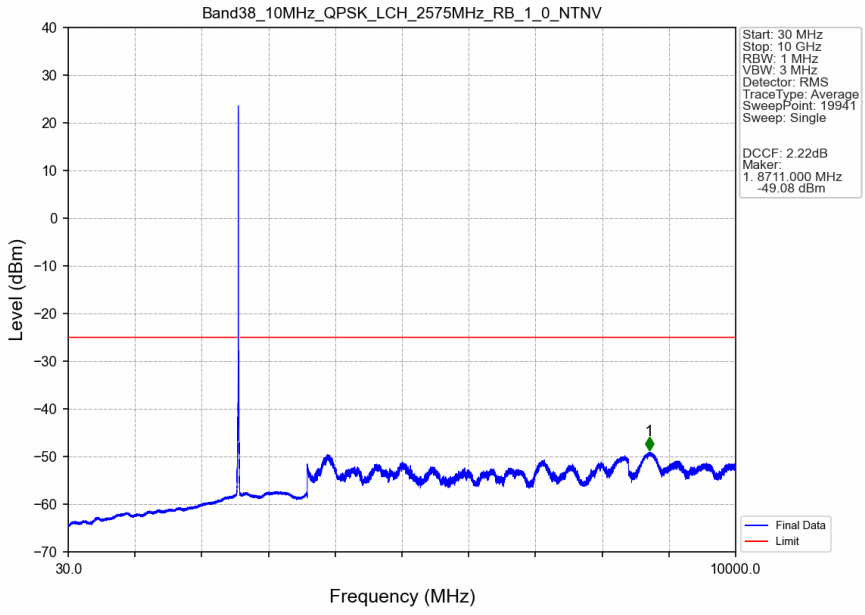
5.2.2 B38_10MHz

Band38_10MHz_QPSK_LCH_2575MHz_RB_1_0_NTNV

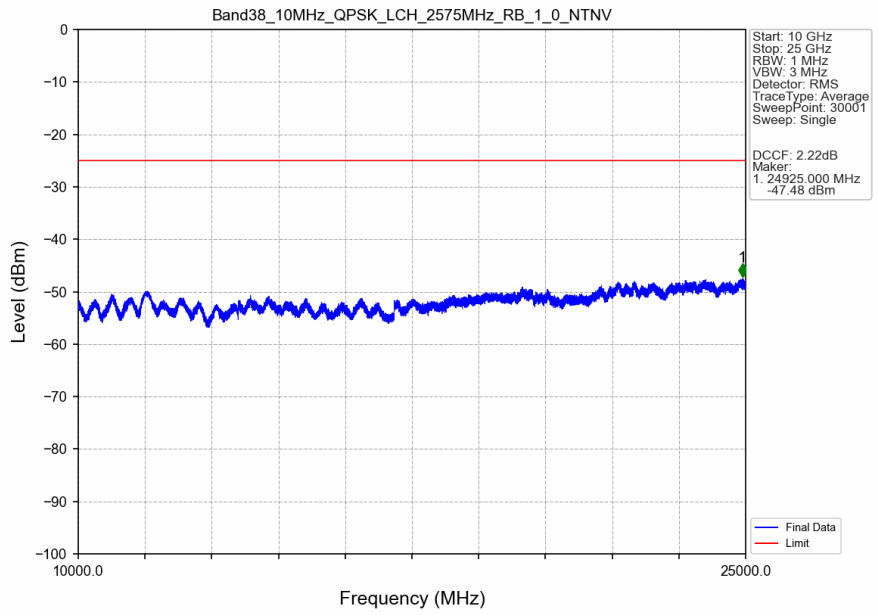


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2490.475	-55.09	-25	Pass
2490.5	2496	1	CHP	2	2490.510	-55.08	-13	Pass
2496	2559.522	1	CHP	3	2559.495	-47.09	-25	Pass
2559.522	2565	1	CHP	4	2564.995	-41.08	-13	Pass
2565	2569	1	CHP	5	2568.500	-31.36	-10	Pass
2569	2570	0.02	CHP	6	2569.995	-35.70	-10	Pass
2570	2580	0.02	CHP	/	/	/	/	/

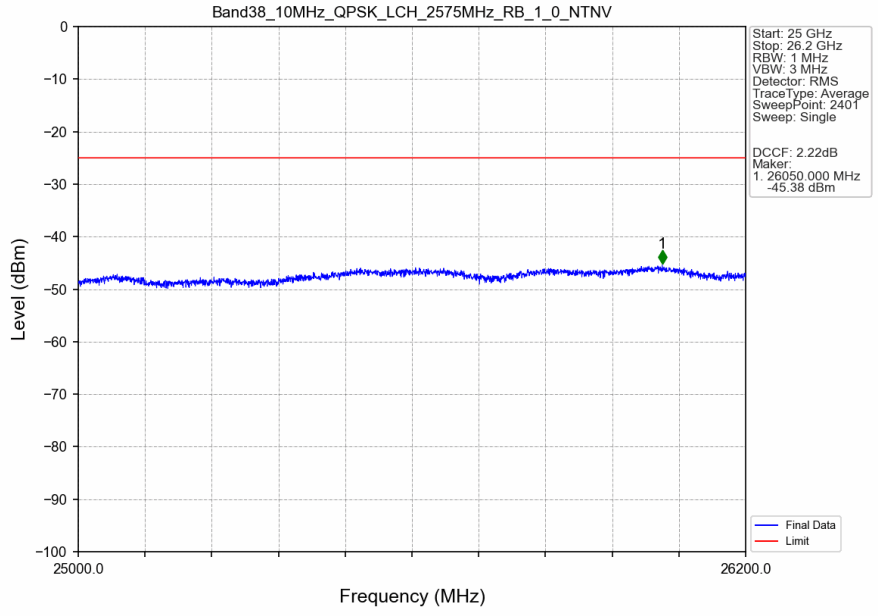
Band38_10MHz_QPSK_LCH_2575MHz_RB_1_0_NTNV



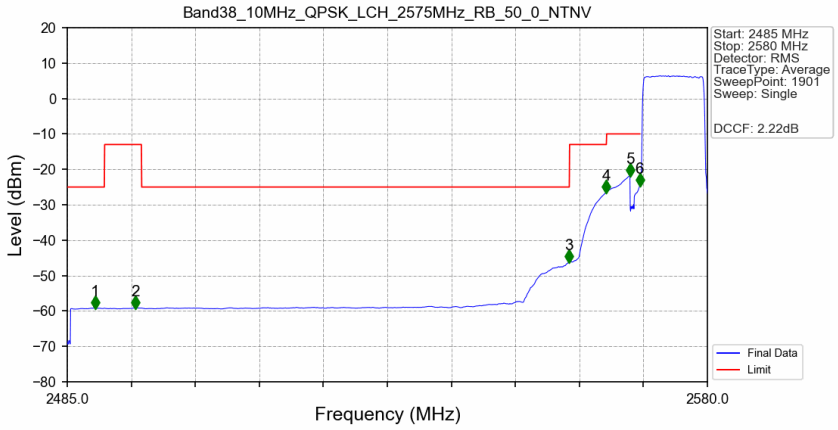
Band38_10MHz_QPSK_LCH_2575MHz_RB_1_0_NTNV



Band38_10MHz_QPSK_LCH_2575MHz_RB_1_0_NTNV

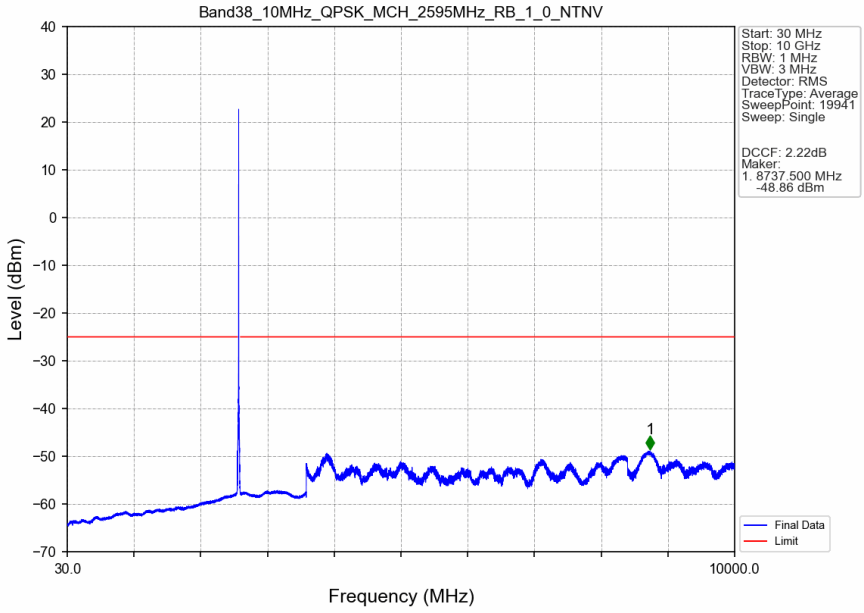


Band38_10MHz_QPSK_LCH_2575MHz_RB_50_0_NTNV

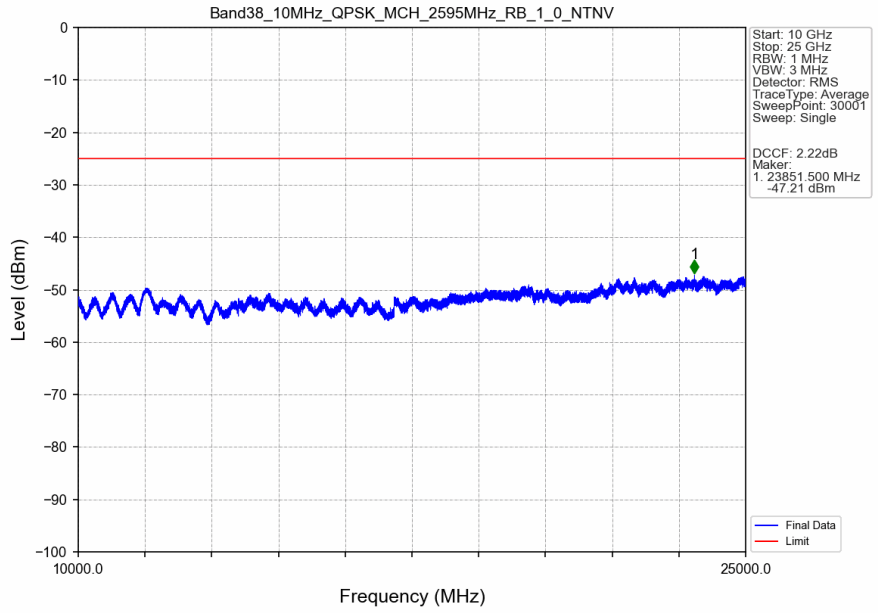


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2489.150	-59.13	-25	Pass
2490.5	2496	1	CHP	2	2495.150	-59.14	-13	Pass
2496	2559.522	1	CHP	3	2559.500	-46.08	-25	Pass
2559.522	2565	1	CHP	4	2565.000	-26.44	-13	Pass
2565	2569	1	CHP	5	2568.500	-21.75	-10	Pass
2569	2570	0.21	CHP	6	2569.950	-24.60	-10	Pass
2570	2580	0.21	CHP	/	/	/	/	/

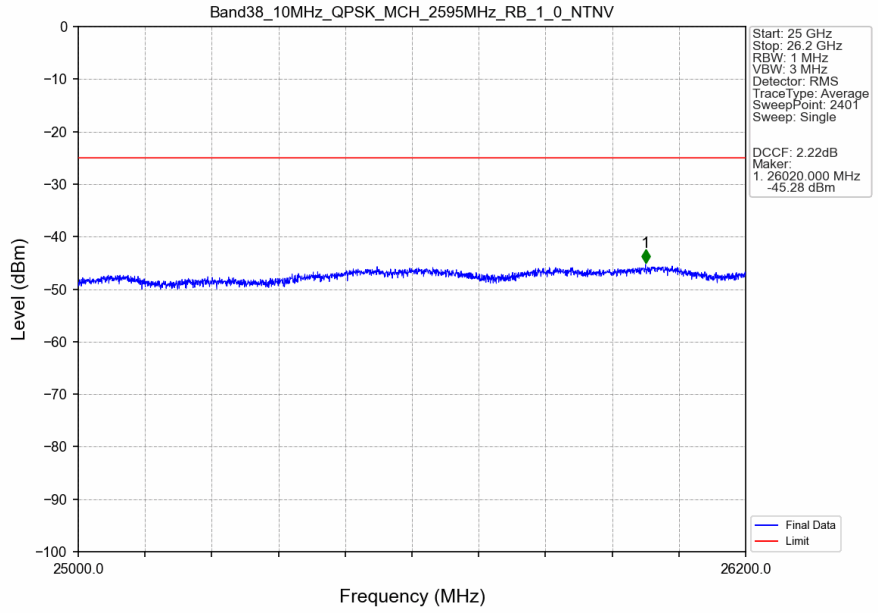
Band38_10MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV

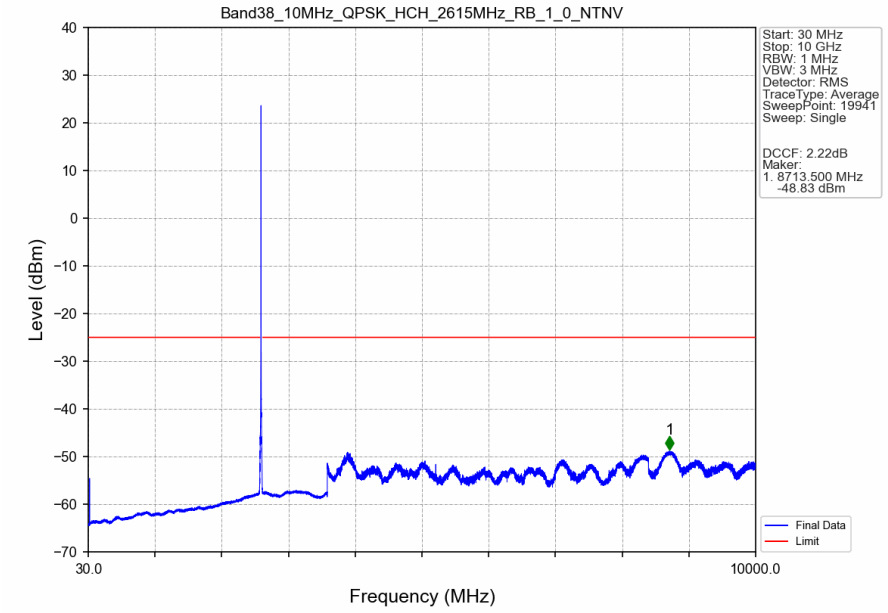


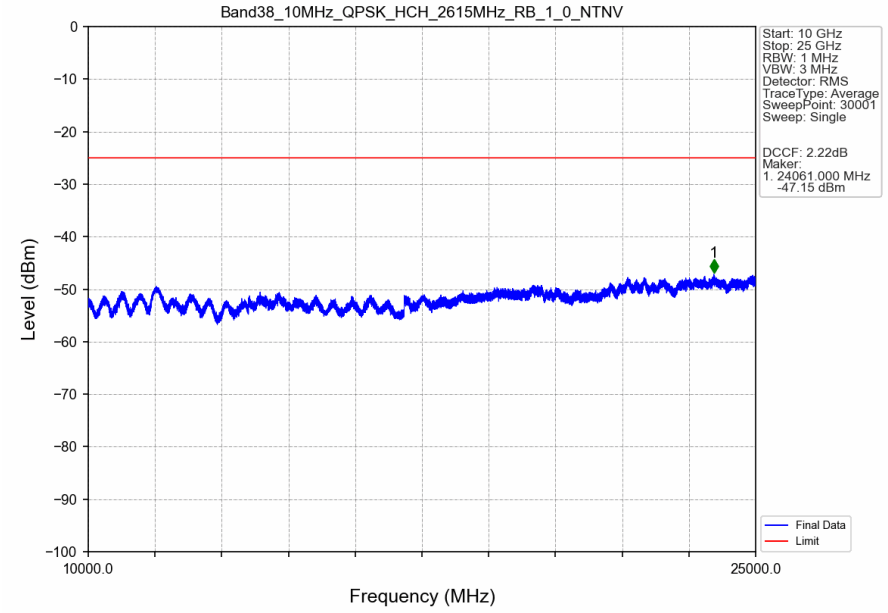
Band38_10MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



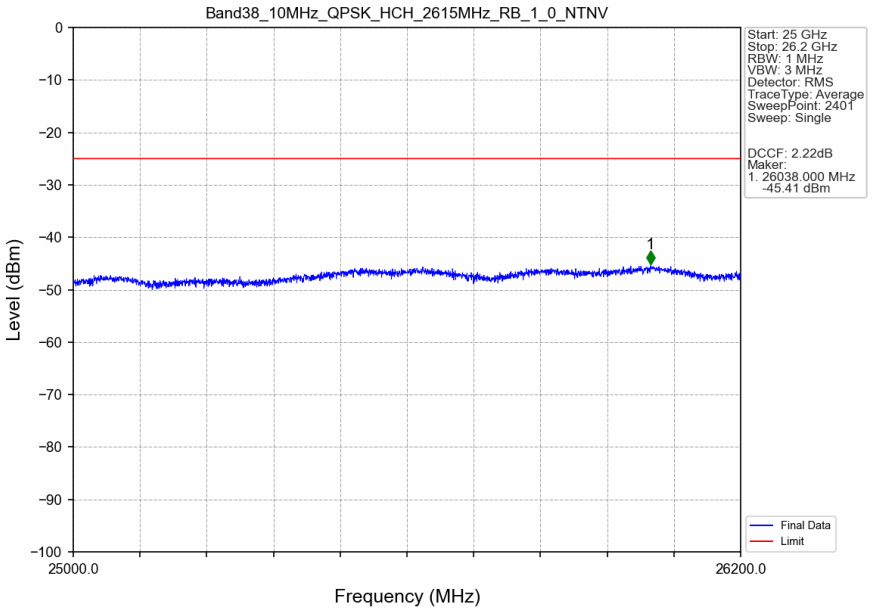
Band38_10MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



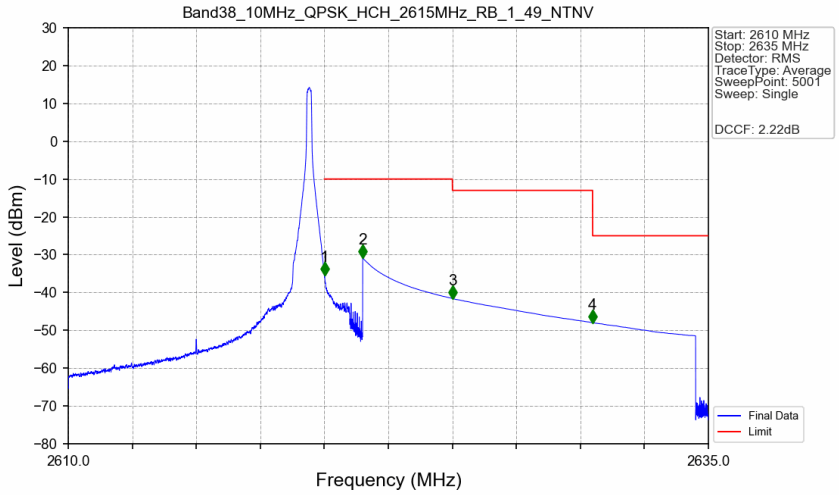
Band38_10MHz_QPSK_HCH_2615MHz_RB_1_0_NTNV


Band38_10MHz_QPSK_HCH_2615MHz_RB_1_0_NTNV


Band38_10MHz_QPSK_HCH_2615MHz_RB_1_0_NTNV

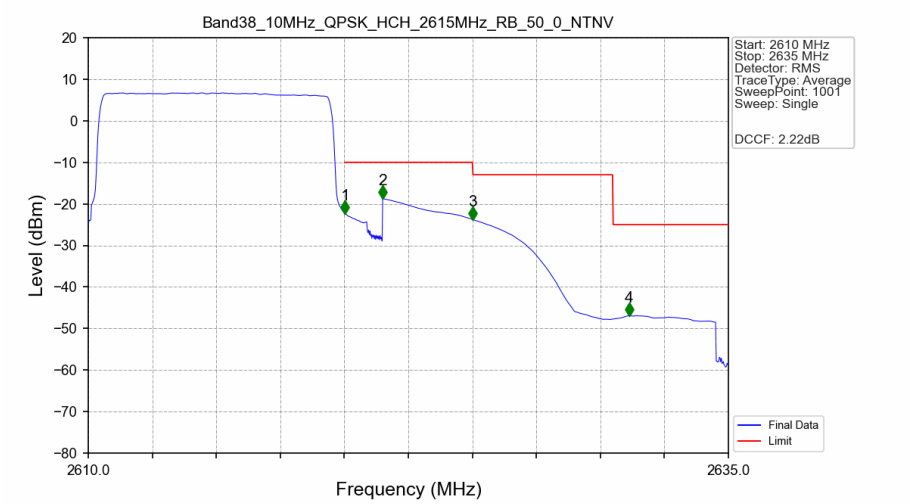


Band38_10MHz_QPSK_HCH_2615MHz_RB_1_49_NTNV



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	2620.005	-35.51	-10	Pass
2621	2625	1	CHP	2	2621.500	-30.88	-10	Pass
2625	2630.478	1	CHP	3	2625.005	-41.61	-13	Pass
2630.478	2635	1	CHP	4	2630.480	-48.00	-25	Pass

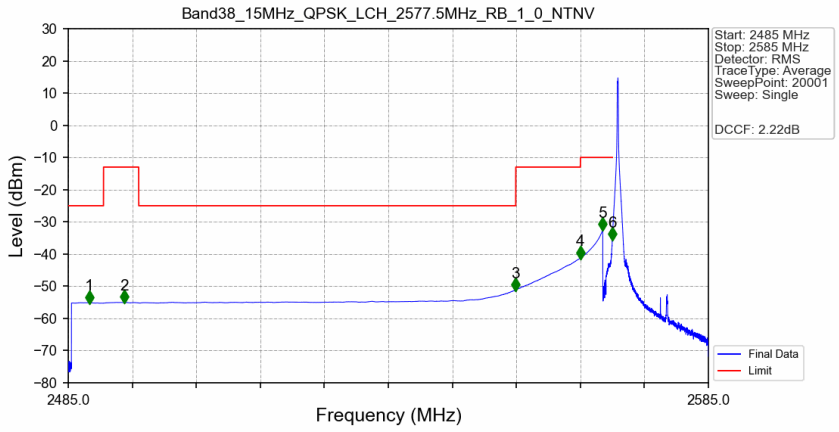
Band38_10MHz_QPSK_HCH_2615MHz_RB_50_0_NTNV



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	-22.32	-10	Pass
2621	2625	1	CHP	2	2621.500	-18.71	-10	Pass
2625	2630.478	1	CHP	3	2625.025	-23.79	-13	Pass
2630.478	2635	1	CHP	4	2631.125	-46.91	-25	Pass

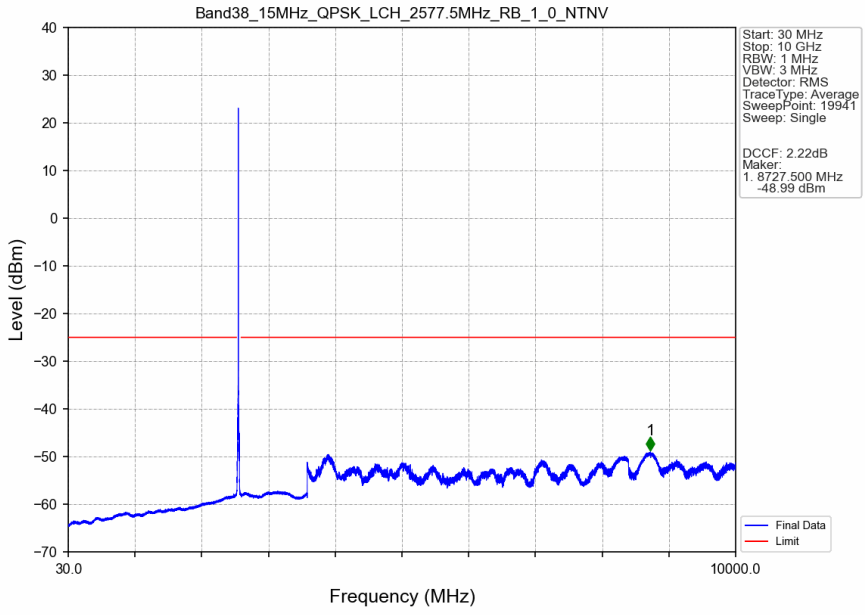
5.2.3 B38_15MHz

Band38_15MHz_QPSK_LCH_2577.5MHz_RB_1_0_NTNV

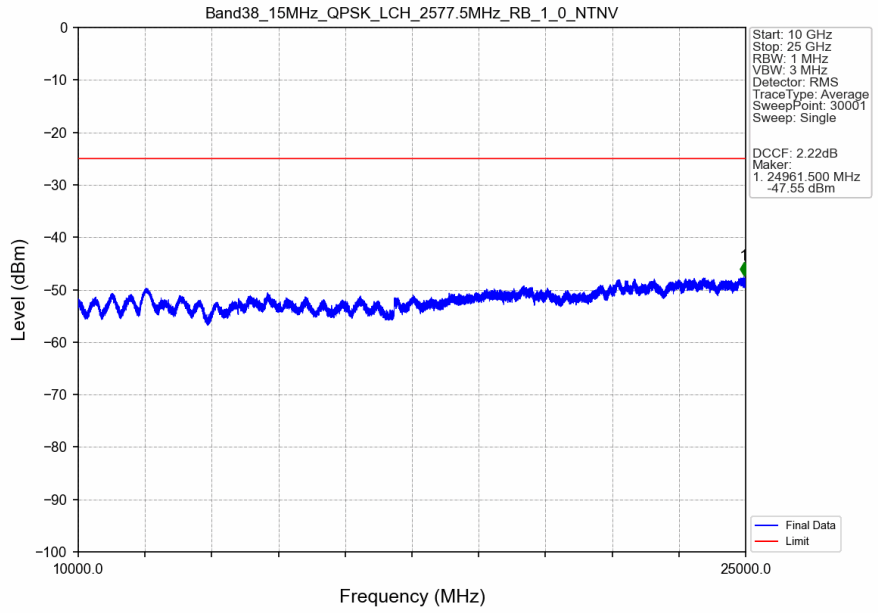


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2488.280	-55.12	-25	Pass
2490.5	2496	1	CHP	2	2493.775	-55.01	-13	Pass
2496	2554.904	1	CHP	3	2554.885	-51.16	-25	Pass
2554.904	2565	1	CHP	4	2565.000	-41.25	-13	Pass
2565	2569	1	CHP	5	2568.495	-32.45	-10	Pass
2569	2570	0.02	CHP	6	2569.995	-35.48	-10	Pass
2570	2585	0.02	CHP	/	/	/	/	/

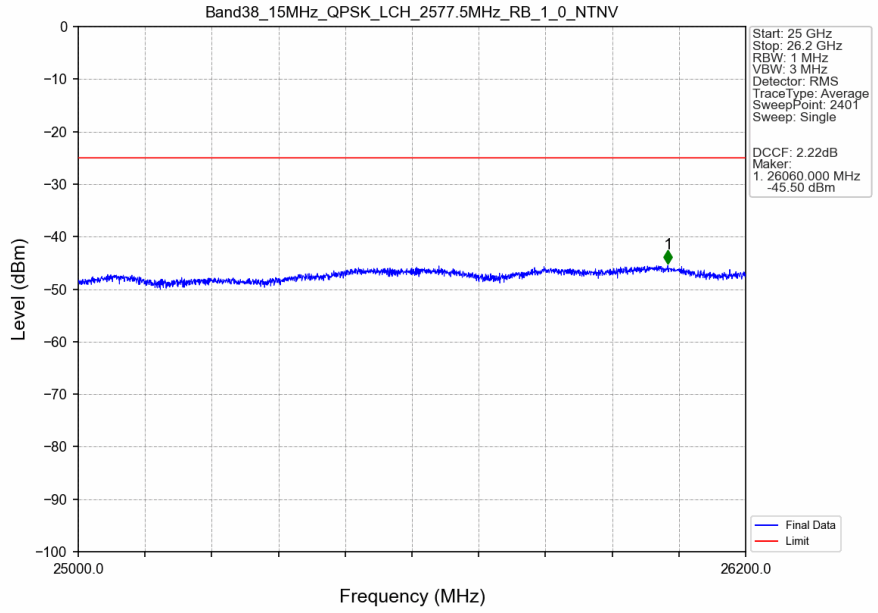
Band38_15MHz_QPSK_LCH_2577.5MHz_RB_1_0_NTNV



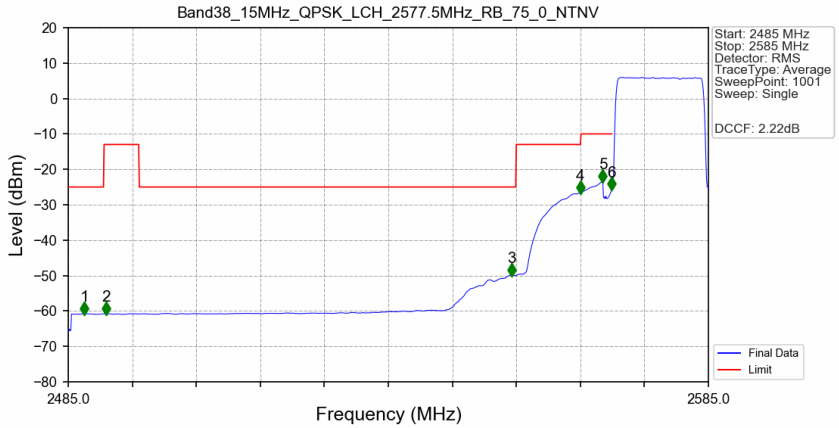
Band38_15MHz_QPSK_LCH_2577.5MHz_RB_1_0_NTNV



Band38_15MHz_QPSK_LCH_2577.5MHz_RB_1_0_NTNV

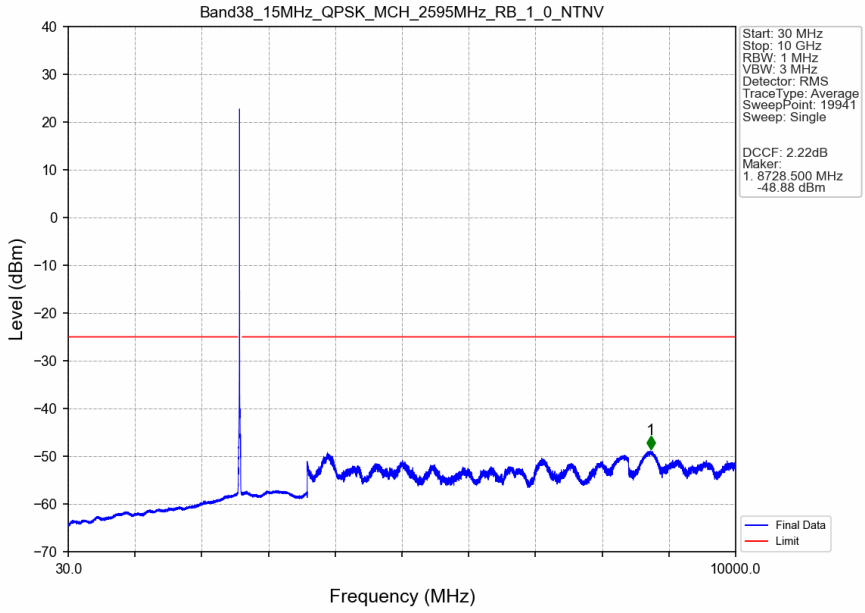


Band38_15MHz_QPSK_LCH_2577.5MHz_RB_75_0_NTNV

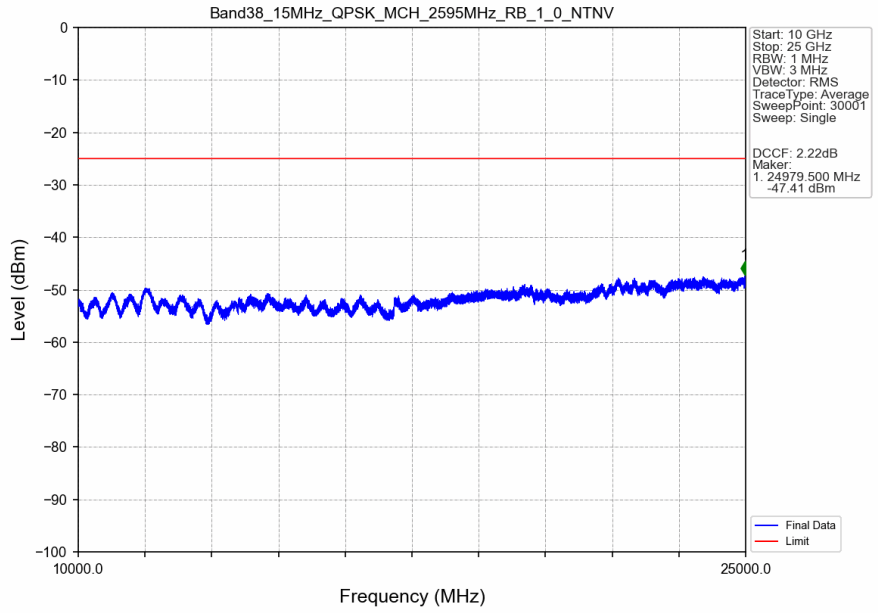


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2487.500	-60.75	-25	Pass
2490.5	2496	1	CHP	2	2490.900	-60.76	-13	Pass
2496	2554.904	1	CHP	3	2554.300	-49.85	-25	Pass
2554.904	2565	1	CHP	4	2565.000	-26.61	-13	Pass
2565	2569	1	CHP	5	2568.500	-23.39	-10	Pass
2569	2570	0.302	CHP	6	2569.900	-25.68	-10	Pass
2570	2585	0.302	CHP	/	/	/	/	/

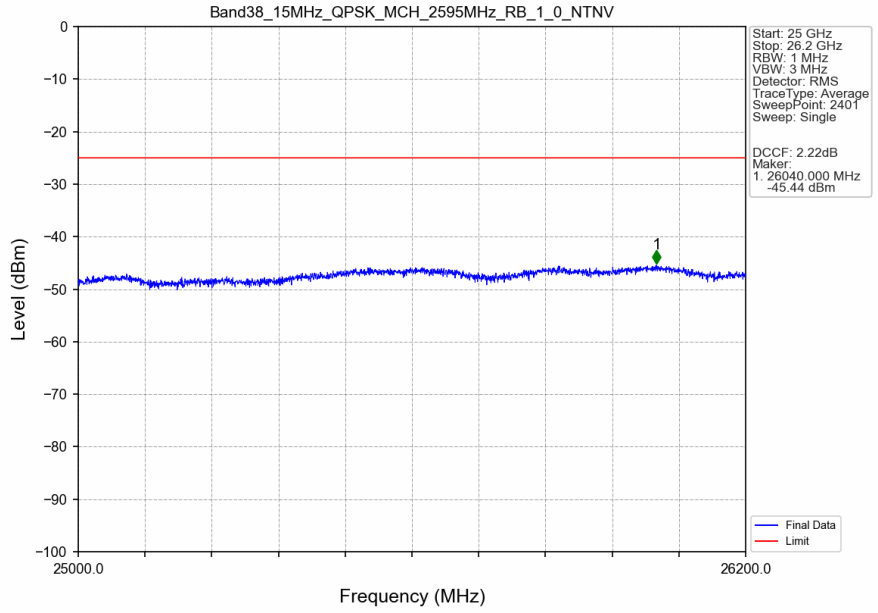
Band38_15MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



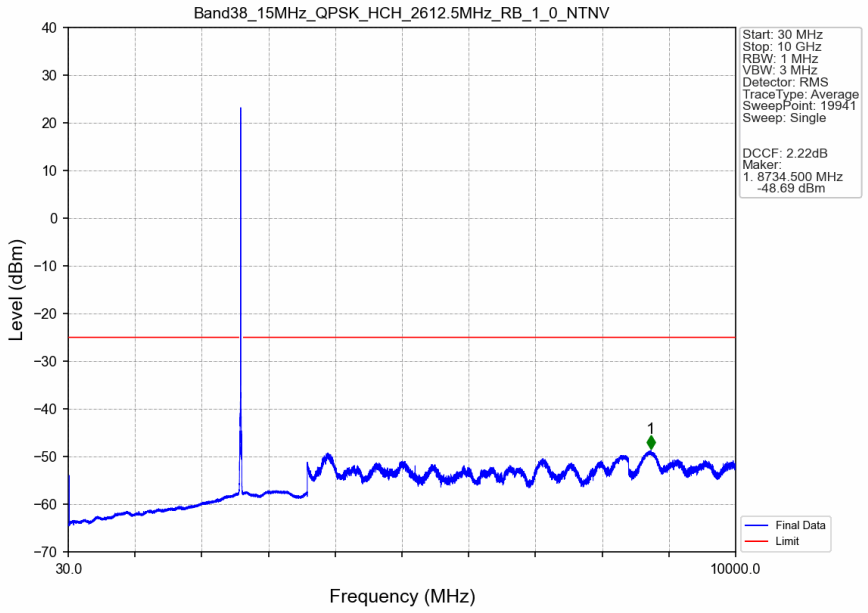
Band38_15MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



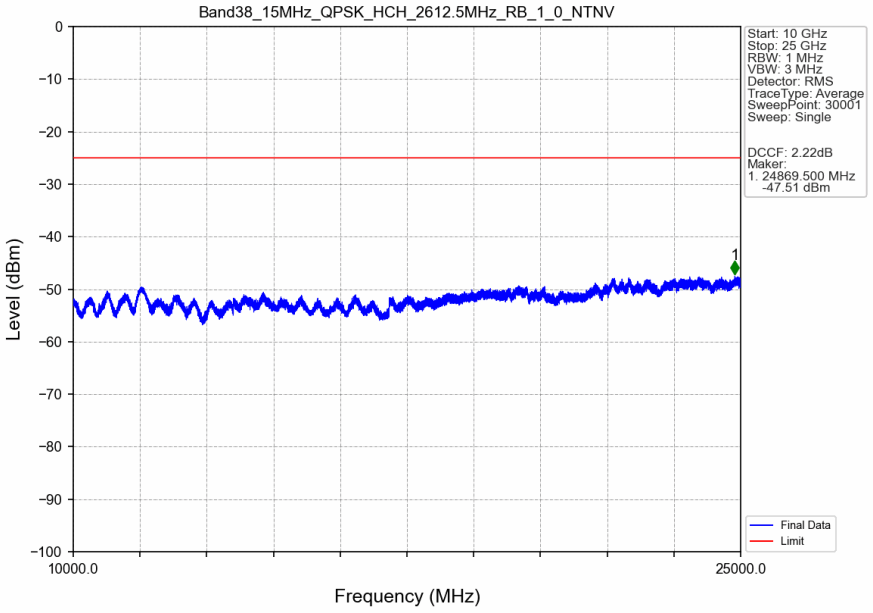
Band38_15MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



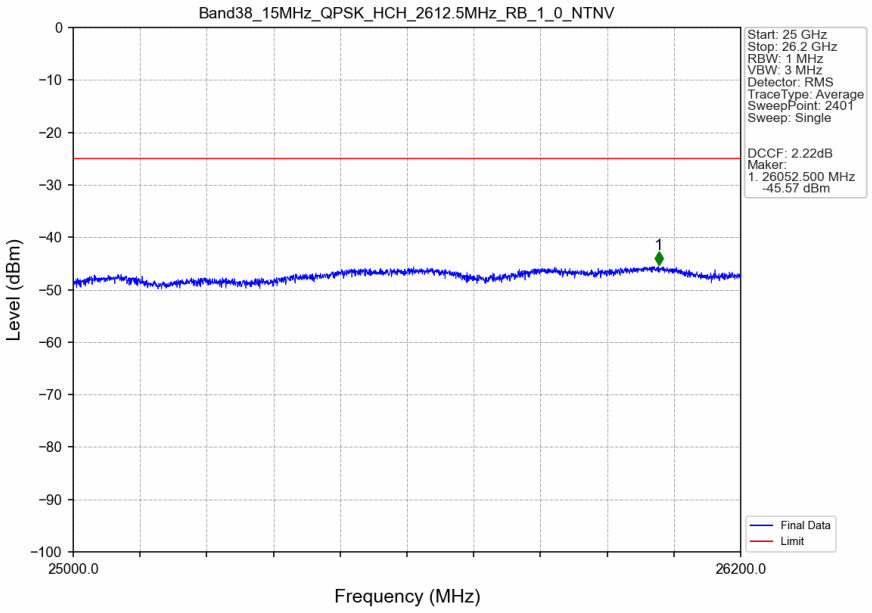
Band38_15MHz_QPSK_HCH_2612.5MHz_RB_1_0_NTNV



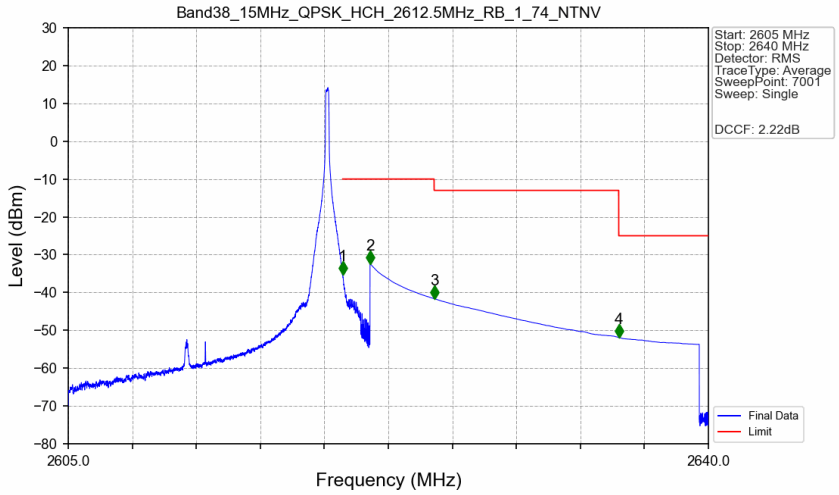
Band38_15MHz_QPSK_HCH_2612.5MHz_RB_1_0_NTNV



Band38_15MHz_QPSK_HCH_2612.5MHz_RB_1_0_NTNV

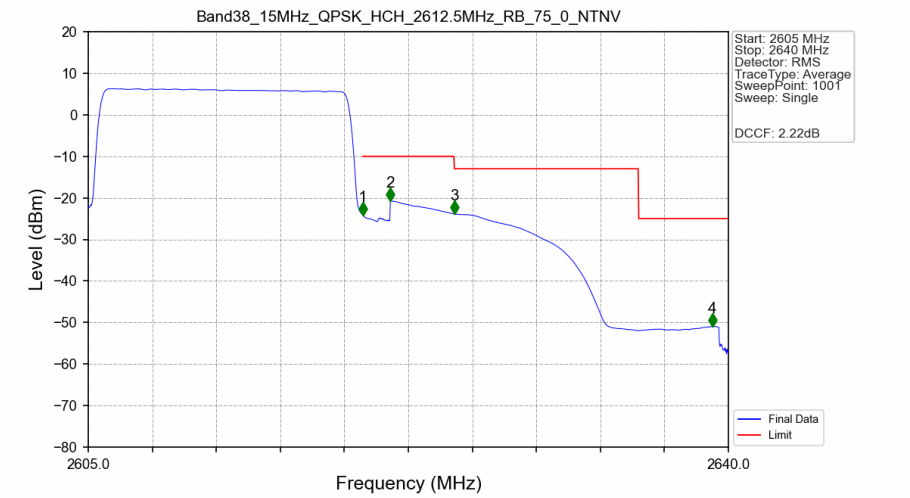


Band38_15MHz_QPSK_HCH_2612.5MHz_RB_1_74_NTNV



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	-35.33	-10	Pass
2621	2625	1	CHP	2	2621.500	-32.36	-10	Pass
2625	2635.096	1	CHP	3	2625.005	-41.62	-13	Pass
2635.096	2640	1	CHP	4	2635.100	-51.92	-25	Pass

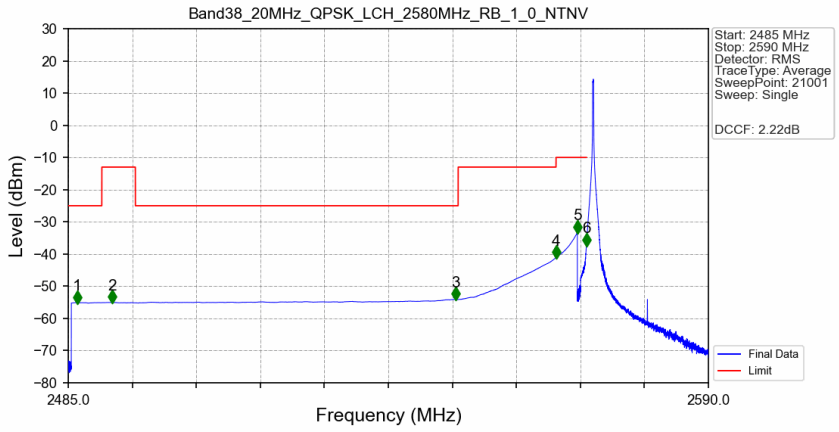
Band38_15MHz_QPSK_HCH_2612.5MHz_RB_75_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2605	2620	0.302	CHP	/	/	/	/	/
2620	2621	0.302	CHP	1	2620.015	-24.17	-10	Pass
2621	2625	1	CHP	2	2621.520	-20.74	-10	Pass
2625	2635.096	1	CHP	3	2625.020	-23.90	-13	Pass
2635.096	2640	1	CHP	4	2639.125	-50.96	-25	Pass

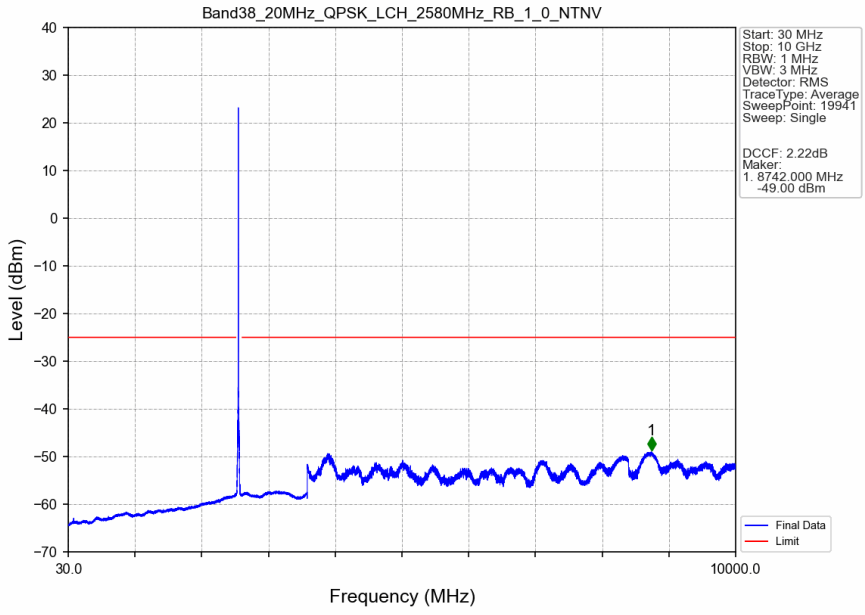
5.2.4 B38_20MHz

Band38_20MHz_QPSK_LCH_2580MHz_RB_1_0_NTNV

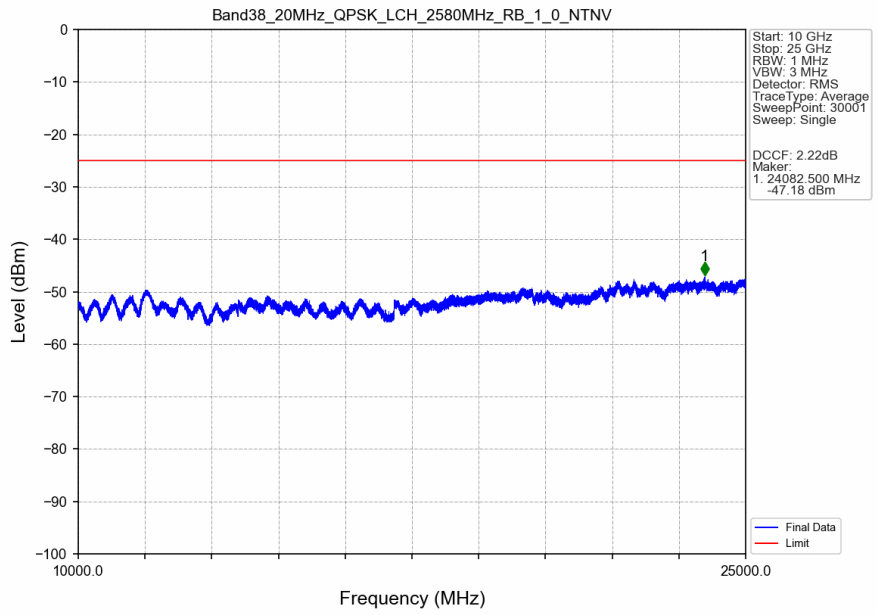


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2486.455	-55.08	-25	Pass
2490.5	2496	1	CHP	2	2492.190	-55.01	-13	Pass
2496	2548.949	1	CHP	3	2548.485	-54.07	-25	Pass
2548.949	2565	1	CHP	4	2565.000	-41.06	-13	Pass
2565	2569	1	CHP	5	2568.500	-33.24	-10	Pass
2569	2570	0.02	CHP	6	2569.995	-37.26	-10	Pass
2570	2590	0.02	CHP	/	/	/	/	/

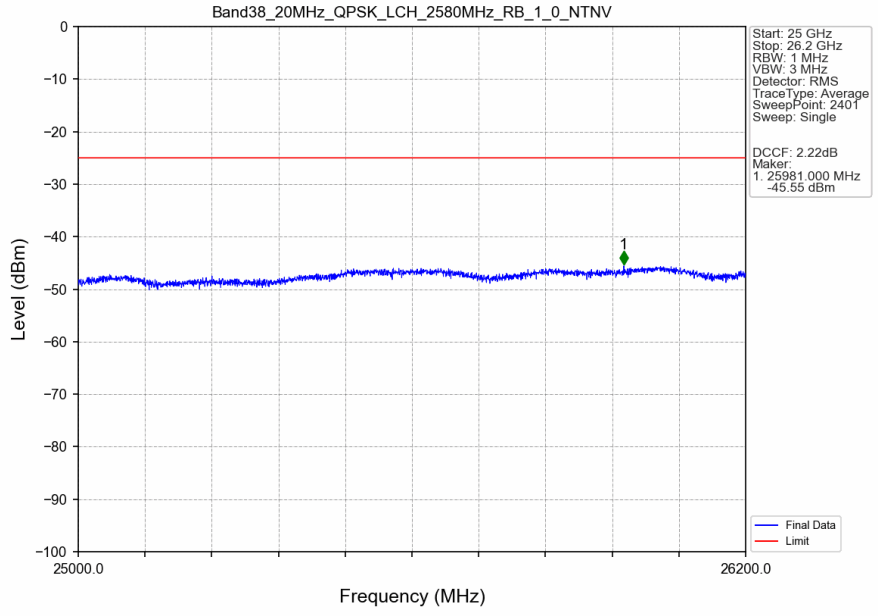
Band38_20MHz_QPSK_LCH_2580MHz_RB_1_0_NTNV



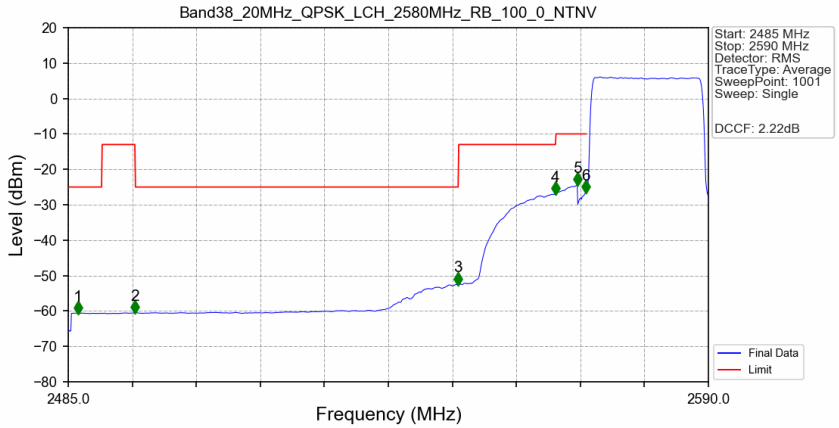
Band38_20MHz_QPSK_LCH_2580MHz_RB_1_0_NTNV



Band38_20MHz_QPSK_LCH_2580MHz_RB_1_0_NTNV

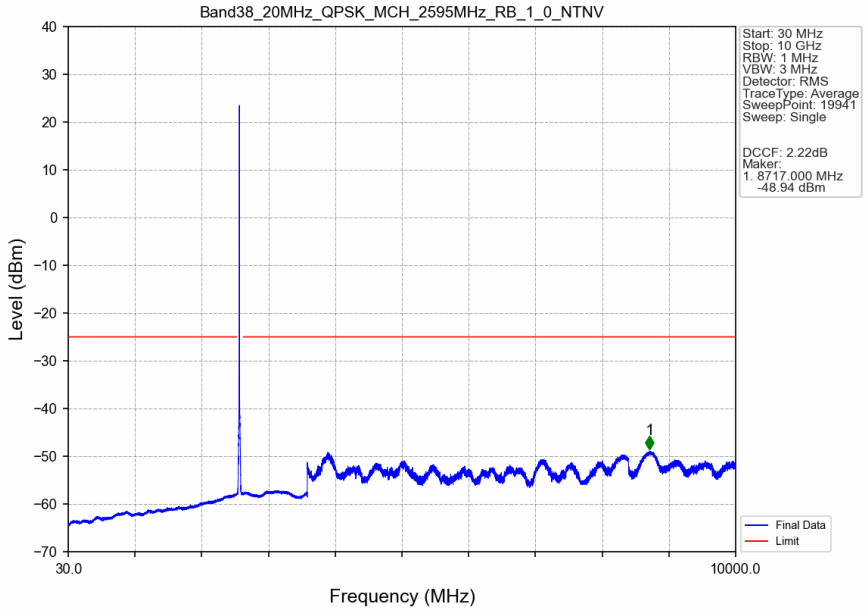


Band38_20MHz_QPSK_LCH_2580MHz_RB_100_0_NTNV

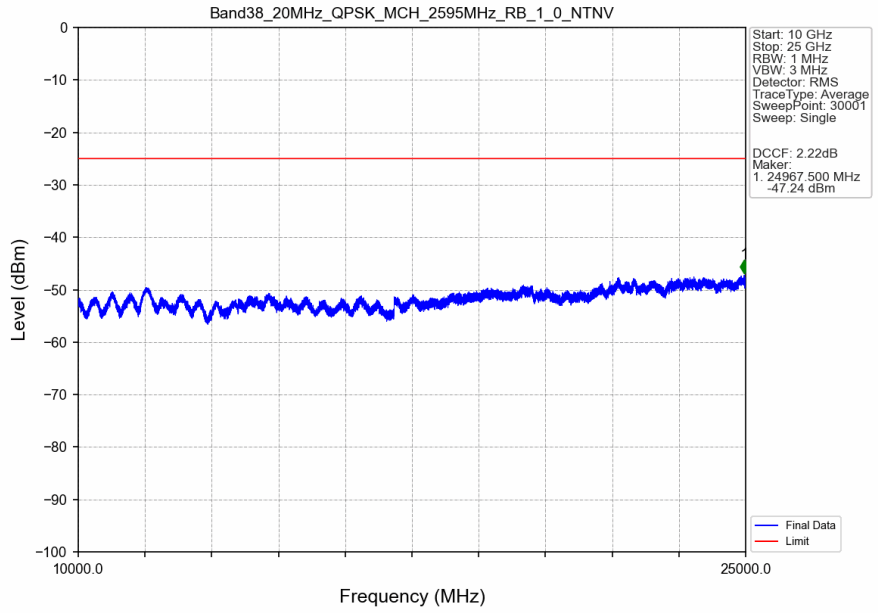


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2486.575	-60.60	-25	Pass
2490.5	2496	1	CHP	2	2495.920	-60.48	-13	Pass
2496	2548.949	1	CHP	3	2548.945	-52.47	-25	Pass
2548.949	2565	1	CHP	4	2564.905	-26.91	-13	Pass
2565	2569	1	CHP	5	2568.475	-24.33	-10	Pass
2569	2570	0.421	CHP	6	2569.945	-26.53	-10	Pass
2570	2590	0.421	CHP	/	/	/	/	/

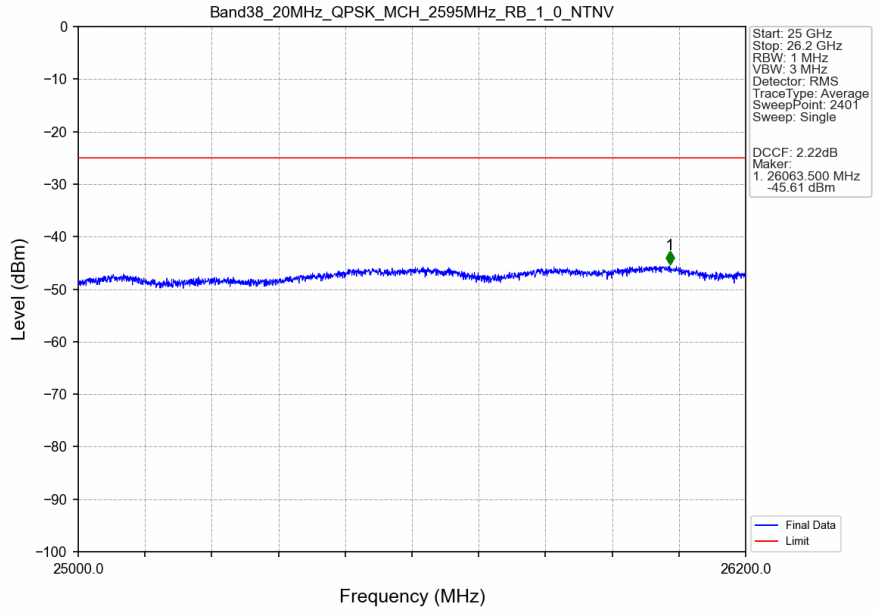
Band38_20MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



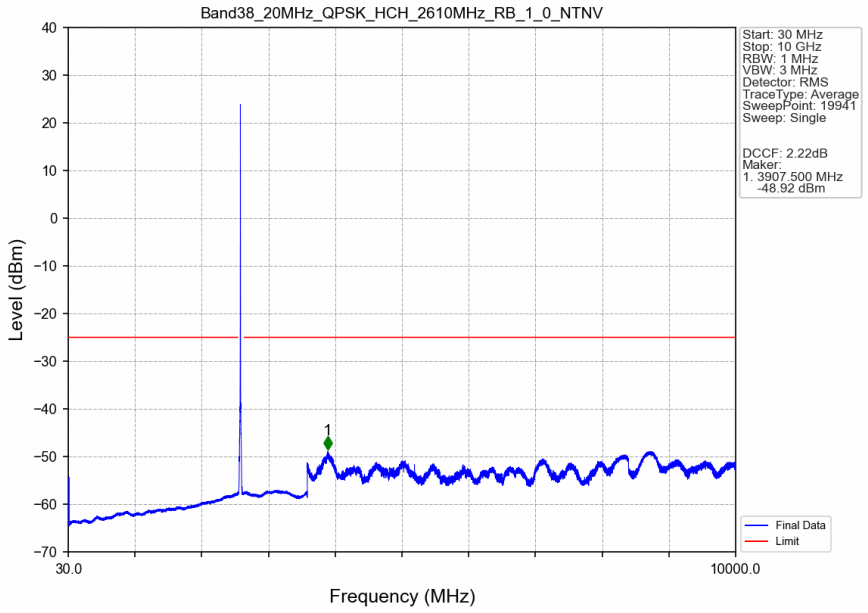
Band38_20MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



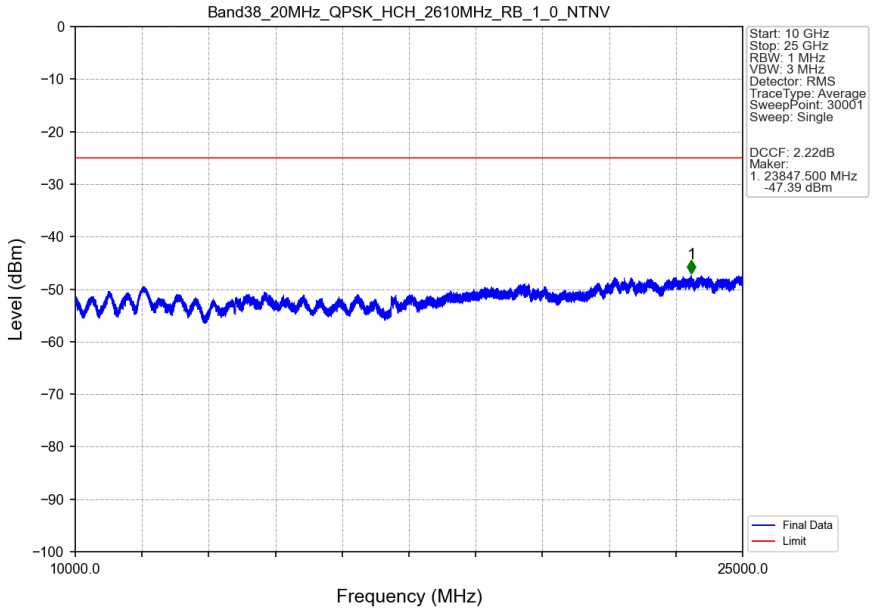
Band38_20MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



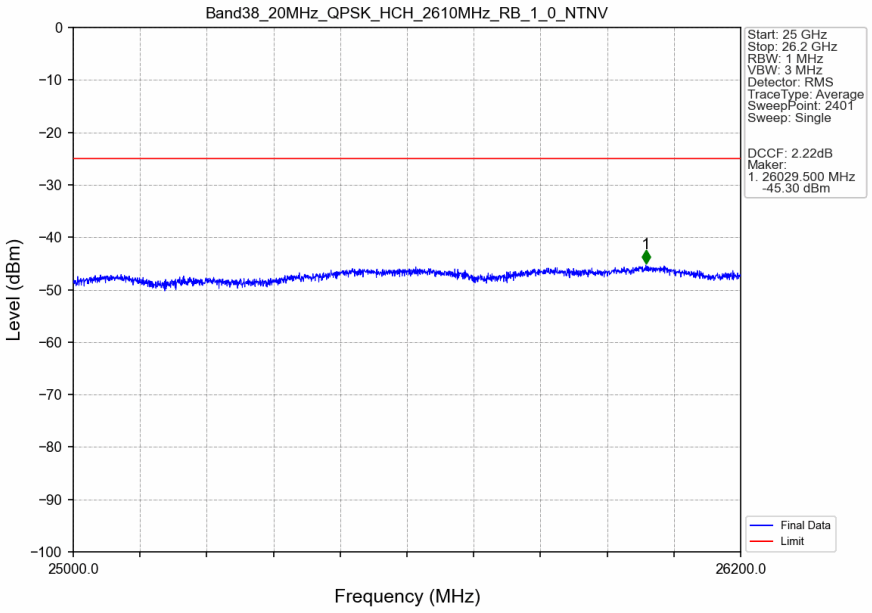
Band38_20MHz_QPSK_HCH_2610MHz_RB_1_0_NTNV



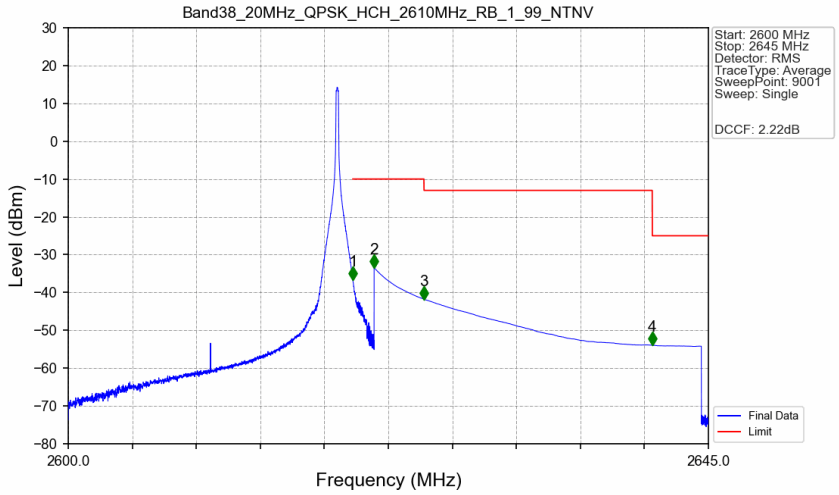
Band38_20MHz_QPSK_HCH_2610MHz_RB_1_0_NTNV



Band38_20MHz_QPSK_HCH_2610MHz_RB_1_0_NTNV

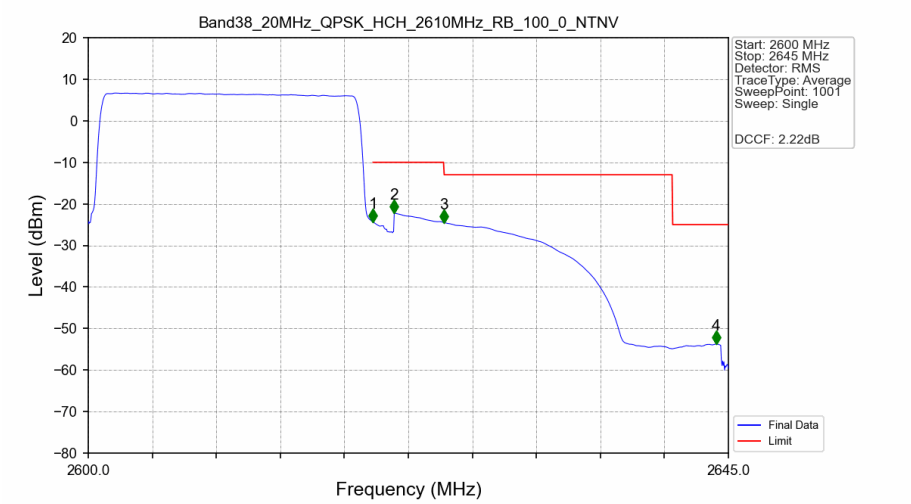


Band38_20MHz_QPSK_HCH_2610MHz_RB_1_99_NTNV



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	2620.005	-36.69	-10	Pass
2621	2625	1	CHP	2	2621.500	-33.37	-10	Pass
2625	2641.051	1	CHP	3	2625.005	-41.79	-13	Pass
2641.051	2645	1	CHP	4	2641.055	-53.95	-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	0.421	CHP	/	/	/	/	/
2620	2621	0.421	CHP	1	2620.025	-24.37	-10	Pass
2621	2625	1	CHP	2	2621.510	-22.23	-10	Pass
2625	2641.051	1	CHP	3	2625.020	-24.51	-13	Pass
2641.051	2645	1	CHP	4	2644.145	-53.72	-25	Pass

6. Field Strength of Spurious Radiation

LTE Band 38 ANT3-Low channel, Modulation: QPSK, Bandwidth:20MHz, 1RB#0								
Frequency (MHz)	**EIRP (dBm)**	**Limit (dBm)**	**Over Limit (dB)**	**S.G. Power (dBm)**	**Cable Loss (dB)**	**Antenna Gain (dBi)**	**Polarization (H/V)**	**Result**
5142.0	-58.54	-25	-33.54	-64.15	4.62	10.23	Horizontal	Pass
7713.0	-57.81	-25	-32.81	-64.84	4.96	11.99	Horizontal	Pass
10284.0	-56.32	-25	-31.32	-63.89	5.51	13.08	Horizontal	Pass
5142.0	-61.5	-25	-36.5	-67.11	4.62	10.23	Vertical	Pass
7713.0	-58.44	-25	-33.44	-65.47	4.96	11.99	Vertical	Pass
10284.0	-56.32	-25	-31.32	-63.89	5.51	13.08	Vertical	Pass

LTE Band 38 ANT3-Middle channel, Modulation: QPSK, Bandwidth:20MHz, 1RB#0								
Frequency (MHz)	**EIRP (dBm)**	**Limit (dBm)**	**Over Limit (dB)**	**S.G. Power (dBm)**	**Cable Loss (dB)**	**Antenna Gain (dBi)**	**Polarization (H/V)**	**Result**
5172.0	-58.04	-25	-33.04	-63.66	4.63	10.25	Horizontal	Pass
7758.0	-58.89	-25	-33.89	-65.97	4.96	12.04	Horizontal	Pass
10344.0	-56.2	-25	-31.2	-63.77	5.52	13.09	Horizontal	Pass
5172.0	-61.41	-25	-36.41	-67.03	4.63	10.25	Vertical	Pass
7758.0	-59.01	-25	-34.01	-66.09	4.96	12.04	Vertical	Pass
10344.0	-56.31	-25	-31.31	-63.88	5.52	13.09	Vertical	Pass

LTE Band 38 ANT3-High channel, Modulation: QPSK, Bandwidth:20MHz, 1RB#0								
Frequency (MHz)	**EIRP (dBm)**	**Limit (dBm)**	**Over Limit (dB)**	**S.G. Power (dBm)**	**Cable Loss (dB)**	**Antenna Gain (dBi)**	**Polarization (H/V)**	**Result**
5202.0	-63.39	-25	-38.39	-69.03	4.63	10.27	Horizontal	Pass
7803.0	-59.32	-25	-34.32	-66.46	4.96	12.1	Horizontal	Pass
10404.0	-56.91	-25	-31.91	-64.49	5.52	13.1	Horizontal	Pass
5202.0	-64.05	-25	-39.05	-69.69	4.63	10.27	Vertical	Pass
7803.0	-59.21	-25	-34.21	-66.35	4.96	12.1	Vertical	Pass
10404.0	-56.74	-25	-31.74	-64.32	5.52	13.1	Vertical	Pass