

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	23.45	-2.20	21.25	<=33.00	Pass
			13	23.45	-2.20	21.25	<=33.00	Pass
			24	23.45	-2.20	21.25	<=33.00	Pass
		12	0	22.35	-2.20	20.15	<=33.00	Pass
			6	22.31	-2.20	20.11	<=33.00	Pass
			13	22.42	-2.20	20.22	<=33.00	Pass
		25	0	22.39	-2.20	20.19	<=33.00	Pass
	2595	1	0	23.54	-2.20	21.34	<=33.00	Pass
			13	23.34	-2.20	21.14	<=33.00	Pass
			24	23.43	-2.20	21.23	<=33.00	Pass
		12	0	22.42	-2.20	20.22	<=33.00	Pass
			6	22.39	-2.20	20.19	<=33.00	Pass
			13	22.28	-2.20	20.08	<=33.00	Pass
		25	0	22.35	-2.20	20.15	<=33.00	Pass
	2617.5	1	0	23.56	-2.20	21.36	<=33.00	Pass
			13	23.54	-2.20	21.34	<=33.00	Pass
			24	23.59	-2.20	21.39	<=33.00	Pass
		12	0	22.42	-2.20	20.22	<=33.00	Pass
			6	22.41	-2.20	20.21	<=33.00	Pass
			13	22.49	-2.20	20.29	<=33.00	Pass
		25	0	22.51	-2.20	20.31	<=33.00	Pass
16QAM	2572.5	1	0	22.48	-2.20	20.28	<=33.00	Pass
			13	22.41	-2.20	20.21	<=33.00	Pass
			24	22.44	-2.20	20.24	<=33.00	Pass
		12	0	21.52	-2.20	19.32	<=33.00	Pass
			6	21.31	-2.20	19.11	<=33.00	Pass
			13	21.34	-2.20	19.14	<=33.00	Pass
		25	0	21.43	-2.20	19.23	<=33.00	Pass
	2595	1	0	22.37	-2.20	20.17	<=33.00	Pass
			13	22.42	-2.20	20.22	<=33.00	Pass
			24	22.58	-2.20	20.38	<=33.00	Pass
		12	0	21.41	-2.20	19.21	<=33.00	Pass
			6	21.32	-2.20	19.12	<=33.00	Pass
			13	21.26	-2.20	19.06	<=33.00	Pass
		25	0	21.40	-2.20	19.20	<=33.00	Pass
	2617.5	1	0	22.59	-2.20	20.39	<=33.00	Pass
			13	22.58	-2.20	20.38	<=33.00	Pass
			24	22.58	-2.20	20.38	<=33.00	Pass
		12	0	21.54	-2.20	19.34	<=33.00	Pass
			6	21.41	-2.20	19.21	<=33.00	Pass
			13	21.51	-2.20	19.31	<=33.00	Pass
		25	0	21.49	-2.20	19.29	<=33.00	Pass
64QAM	2572.5	1	0	21.80	-2.20	19.60	<=33.00	Pass
			13	21.17	-2.20	18.97	<=33.00	Pass
			24	21.38	-2.20	19.18	<=33.00	Pass
		12	0	20.59	-2.20	18.39	<=33.00	Pass
			6	20.62	-2.20	18.42	<=33.00	Pass
			13	20.62	-2.20	18.42	<=33.00	Pass
		25	0	20.55	-2.20	18.35	<=33.00	Pass

	2595	1	0	21.42	-2.20	19.22	<=33.00	Pass
			13	21.37	-2.20	19.17	<=33.00	Pass
			24	21.70	-2.20	19.50	<=33.00	Pass
		12	0	20.53	-2.20	18.33	<=33.00	Pass
			6	20.57	-2.20	18.37	<=33.00	Pass
			13	20.65	-2.20	18.45	<=33.00	Pass
		25	0	20.70	-2.20	18.50	<=33.00	Pass
	2617.5	1	0	21.69	-2.20	19.49	<=33.00	Pass
			13	21.64	-2.20	19.44	<=33.00	Pass
			24	21.23	-2.20	19.03	<=33.00	Pass
		12	0	20.81	-2.20	18.61	<=33.00	Pass
			6	20.72	-2.20	18.52	<=33.00	Pass
			13	20.73	-2.20	18.53	<=33.00	Pass
		25	0	20.68	-2.20	18.48	<=33.00	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	23.55	-2.20	21.35	<=33.00	Pass
			25	23.44	-2.20	21.24	<=33.00	Pass
			49	23.40	-2.20	21.20	<=33.00	Pass
		25	0	22.37	-2.20	20.17	<=33.00	Pass
			13	22.41	-2.20	20.21	<=33.00	Pass
			25	22.45	-2.20	20.25	<=33.00	Pass
		50	0	22.39	-2.20	20.19	<=33.00	Pass
	2595	1	0	23.45	-2.20	21.25	<=33.00	Pass
			25	23.53	-2.20	21.33	<=33.00	Pass
			49	23.48	-2.20	21.28	<=33.00	Pass
		25	0	22.42	-2.20	20.22	<=33.00	Pass
			13	22.44	-2.20	20.24	<=33.00	Pass
			25	22.48	-2.20	20.28	<=33.00	Pass
		50	0	22.37	-2.20	20.17	<=33.00	Pass
	2615	1	0	23.64	-2.20	21.44	<=33.00	Pass
			25	23.37	-2.20	21.17	<=33.00	Pass
			49	23.48	-2.20	21.28	<=33.00	Pass
		25	0	22.57	-2.20	20.37	<=33.00	Pass
			13	22.52	-2.20	20.32	<=33.00	Pass
			25	22.46	-2.20	20.26	<=33.00	Pass
		50	0	22.48	-2.20	20.28	<=33.00	Pass
16QAM	2575	1	0	22.54	-2.20	20.34	<=33.00	Pass
			25	22.51	-2.20	20.31	<=33.00	Pass
			49	22.43	-2.20	20.23	<=33.00	Pass
		25	0	21.44	-2.20	19.24	<=33.00	Pass
			13	21.37	-2.20	19.17	<=33.00	Pass
			25	21.43	-2.20	19.23	<=33.00	Pass
		50	0	21.33	-2.20	19.13	<=33.00	Pass
	2595	1	0	22.24	-2.20	20.04	<=33.00	Pass
			25	22.16	-2.20	19.96	<=33.00	Pass
			49	22.18	-2.20	19.98	<=33.00	Pass
		25	0	21.44	-2.20	19.24	<=33.00	Pass
			13	21.44	-2.20	19.24	<=33.00	Pass
			25	21.39	-2.20	19.19	<=33.00	Pass
		50	0	21.31	-2.20	19.11	<=33.00	Pass
	2615	1	0	22.74	-2.20	20.54	<=33.00	Pass

		25	25	22.76	-2.20	20.56	<=33.00	Pass	
			49	22.47	-2.20	20.27	<=33.00	Pass	
			25	0	21.53	-2.20	19.33	<=33.00	Pass
				13	21.41	-2.20	19.21	<=33.00	Pass
				25	21.45	-2.20	19.25	<=33.00	Pass
			50	0	21.51	-2.20	19.31	<=33.00	Pass
64QAM	2575	1	0	20.87	-2.20	18.67	<=33.00	Pass	
			25	21.60	-2.20	19.40	<=33.00	Pass	
			49	21.54	-2.20	19.34	<=33.00	Pass	
		25	0	20.54	-2.20	18.34	<=33.00	Pass	
			13	20.51	-2.20	18.31	<=33.00	Pass	
			25	20.49	-2.20	18.29	<=33.00	Pass	
		50	0	20.56	-2.20	18.36	<=33.00	Pass	
	2595	1	0	21.13	-2.20	18.93	<=33.00	Pass	
			25	21.27	-2.20	19.07	<=33.00	Pass	
			49	21.75	-2.20	19.55	<=33.00	Pass	
		25	0	20.53	-2.20	18.33	<=33.00	Pass	
			13	20.58	-2.20	18.38	<=33.00	Pass	
			25	20.59	-2.20	18.39	<=33.00	Pass	
		50	0	20.51	-2.20	18.31	<=33.00	Pass	
	2615	1	0	21.42	-2.20	19.22	<=33.00	Pass	
			25	21.35	-2.20	19.15	<=33.00	Pass	
			49	21.72	-2.20	19.52	<=33.00	Pass	
		25	0	20.64	-2.20	18.44	<=33.00	Pass	
			13	20.66	-2.20	18.46	<=33.00	Pass	
			25	20.65	-2.20	18.45	<=33.00	Pass	
		50	0	20.67	-2.20	18.47	<=33.00	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	23.53	-2.20	21.33	<=33.00	Pass
			38	23.47	-2.20	21.27	<=33.00	Pass
			74	23.45	-2.20	21.25	<=33.00	Pass
		36	0	22.42	-2.20	20.22	<=33.00	Pass
			18	22.36	-2.20	20.16	<=33.00	Pass
			39	22.28	-2.20	20.08	<=33.00	Pass
		75	0	22.46	-2.20	20.26	<=33.00	Pass
	2595	1	0	23.55	-2.20	21.35	<=33.00	Pass
			38	23.41	-2.20	21.21	<=33.00	Pass
			74	23.56	-2.20	21.36	<=33.00	Pass
		36	0	22.39	-2.20	20.19	<=33.00	Pass
			18	22.34	-2.20	20.14	<=33.00	Pass
			39	22.39	-2.20	20.19	<=33.00	Pass
		75	0	22.39	-2.20	20.19	<=33.00	Pass
	2612.5	1	0	23.51	-2.20	21.31	<=33.00	Pass
			38	23.46	-2.20	21.26	<=33.00	Pass
			74	23.54	-2.20	21.34	<=33.00	Pass
		36	0	22.50	-2.20	20.30	<=33.00	Pass
			18	22.53	-2.20	20.33	<=33.00	Pass
			39	22.45	-2.20	20.25	<=33.00	Pass
		75	0	22.51	-2.20	20.31	<=33.00	Pass
16QAM	2577.5	1	0	22.63	-2.20	20.43	<=33.00	Pass
			38	22.47	-2.20	20.27	<=33.00	Pass

		36	74	22.29	-2.20	20.09	<=33.00	Pass
			0	21.41	-2.20	19.21	<=33.00	Pass
			18	21.38	-2.20	19.18	<=33.00	Pass
			39	21.35	-2.20	19.15	<=33.00	Pass
	2595	75	0	21.44	-2.20	19.24	<=33.00	Pass
			0	22.29	-2.20	20.09	<=33.00	Pass
			38	22.29	-2.20	20.09	<=33.00	Pass
		1	74	22.30	-2.20	20.10	<=33.00	Pass
			0	21.42	-2.20	19.22	<=33.00	Pass
			18	21.38	-2.20	19.18	<=33.00	Pass
		36	39	21.34	-2.20	19.14	<=33.00	Pass
			75	0	21.46	19.26	<=33.00	Pass
	2612.5	1	0	22.58	-2.20	20.38	<=33.00	Pass
			38	22.50	-2.20	20.30	<=33.00	Pass
			74	22.83	-2.20	20.63	<=33.00	Pass
		36	0	21.47	-2.20	19.27	<=33.00	Pass
			18	21.49	-2.20	19.29	<=33.00	Pass
			39	21.44	-2.20	19.24	<=33.00	Pass
		75	0	21.50	-2.20	19.30	<=33.00	Pass
			0	21.26	-2.20	19.06	<=33.00	Pass
			38	21.62	-2.20	19.42	<=33.00	Pass
		1	74	21.63	-2.20	19.43	<=33.00	Pass
			0	20.64	-2.20	18.44	<=33.00	Pass
			18	20.51	-2.20	18.31	<=33.00	Pass
64QAM	2577.5	36	39	20.54	-2.20	18.34	<=33.00	Pass
			75	0	20.54	18.34	<=33.00	Pass
		1	0	21.89	-2.20	19.69	<=33.00	Pass
			38	21.54	-2.20	19.34	<=33.00	Pass
			74	21.92	-2.20	19.72	<=33.00	Pass
	2595	36	0	20.54	-2.20	18.34	<=33.00	Pass
			18	20.54	-2.20	18.34	<=33.00	Pass
			39	20.60	-2.20	18.40	<=33.00	Pass
		75	0	20.59	-2.20	18.39	<=33.00	Pass
			0	21.57	-2.20	19.37	<=33.00	Pass
			38	21.42	-2.20	19.22	<=33.00	Pass
		1	74	21.40	-2.20	19.20	<=33.00	Pass
			0	20.69	-2.20	18.49	<=33.00	Pass
	2612.5	36	18	20.61	-2.20	18.41	<=33.00	Pass
			39	20.66	-2.20	18.46	<=33.00	Pass
			75	0	20.64	18.44	<=33.00	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	23.57	-2.20	21.37	<=33.00	Pass
			50	23.50	-2.20	21.30	<=33.00	Pass
			99	23.38	-2.20	21.18	<=33.00	Pass
		50	0	22.45	-2.20	20.25	<=33.00	Pass
			25	22.48	-2.20	20.28	<=33.00	Pass
			50	22.47	-2.20	20.27	<=33.00	Pass
		100	0	22.39	-2.20	20.19	<=33.00	Pass
	2595	1	0	23.61	-2.20	21.41	<=33.00	Pass
			50	23.55	-2.20	21.35	<=33.00	Pass
			99	23.57	-2.20	21.37	<=33.00	Pass

		50	0	22.47	-2.20	20.27	<=33.00	Pass		
			25	22.39	-2.20	20.19	<=33.00	Pass		
			50	22.41	-2.20	20.21	<=33.00	Pass		
		100	0	22.50	-2.20	20.30	<=33.00	Pass		
			1	0	23.43	-2.20	21.23	<=33.00	Pass	
				50	23.52	-2.20	21.32	<=33.00	Pass	
		99		23.57	-2.20	21.37	<=33.00	Pass		
		50	0	22.46	-2.20	20.26	<=33.00	Pass		
			25	22.54	-2.20	20.34	<=33.00	Pass		
	50		22.59	-2.20	20.39	<=33.00	Pass			
	100	0	22.58	-2.20	20.38	<=33.00	Pass			
	16QAM	2580	1	0	22.59	-2.20	20.39	<=33.00	Pass	
50				22.85	-2.20	20.65	<=33.00	Pass		
99				22.46	-2.20	20.26	<=33.00	Pass		
50			0	21.48	-2.20	19.28	<=33.00	Pass		
			25	21.46	-2.20	19.26	<=33.00	Pass		
			50	21.38	-2.20	19.18	<=33.00	Pass		
100			0	21.43	-2.20	19.23	<=33.00	Pass		
2595			1	0	22.23	-2.20	20.03	<=33.00	Pass	
				50	22.17	-2.20	19.97	<=33.00	Pass	
		99		22.63	-2.20	20.43	<=33.00	Pass		
		50	0	21.51	-2.20	19.31	<=33.00	Pass		
			25	21.47	-2.20	19.27	<=33.00	Pass		
			50	21.48	-2.20	19.28	<=33.00	Pass		
		100	0	21.41	-2.20	19.21	<=33.00	Pass		
		2610	1	0	22.71	-2.20	20.51	<=33.00	Pass	
				50	22.84	-2.20	20.64	<=33.00	Pass	
99				22.71	-2.20	20.51	<=33.00	Pass		
50			0	21.44	-2.20	19.24	<=33.00	Pass		
			25	21.50	-2.20	19.30	<=33.00	Pass		
			50	21.52	-2.20	19.32	<=33.00	Pass		
100			0	21.55	-2.20	19.35	<=33.00	Pass		
64QAM			2580	1	0	21.68	-2.20	19.48	<=33.00	Pass
					50	21.63	-2.20	19.43	<=33.00	Pass
		99			21.13	-2.20	18.93	<=33.00	Pass	
		50		0	20.59	-2.20	18.39	<=33.00	Pass	
				25	20.48	-2.20	18.28	<=33.00	Pass	
				50	20.50	-2.20	18.30	<=33.00	Pass	
		100		0	20.54	-2.20	18.34	<=33.00	Pass	
		2595		1	0	21.09	-2.20	18.89	<=33.00	Pass
					50	21.27	-2.20	19.07	<=33.00	Pass
			99		21.06	-2.20	18.86	<=33.00	Pass	
			50	0	20.62	-2.20	18.42	<=33.00	Pass	
	25			20.61	-2.20	18.41	<=33.00	Pass		
	50			20.56	-2.20	18.36	<=33.00	Pass		
	100	0	20.64	-2.20	18.44	<=33.00	Pass			
	2610	1	0	21.79	-2.20	19.59	<=33.00	Pass		
			50	21.36	-2.20	19.16	<=33.00	Pass		
			99	21.31	-2.20	19.11	<=33.00	Pass		
		50	0	20.68	-2.20	18.48	<=33.00	Pass		
			25	20.70	-2.20	18.50	<=33.00	Pass		
			50	20.69	-2.20	18.49	<=33.00	Pass		
		100	0	20.73	-2.20	18.53	<=33.00	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	3.27	-0.159	-0.0001	-2.5 to 2.5	Pass
					3.85	-0.221	-0.0001	-2.5 to 2.5	Pass
					4.43	1.127	0.0004	-2.5 to 2.5	Pass
				-30	3.85	0.797	0.0003	-2.5 to 2.5	Pass
				-20	3.85	1.226	0.0005	-2.5 to 2.5	Pass
				-10	3.85	-0.906	-0.0003	-2.5 to 2.5	Pass
				0	3.85	1.281	0.0005	-2.5 to 2.5	Pass
				10	3.85	-0.961	-0.0004	-2.5 to 2.5	Pass
				30	3.85	-0.683	-0.0003	-2.5 to 2.5	Pass
				40	3.85	-1.455	-0.0006	-2.5 to 2.5	Pass
				50	3.85	-1.753	-0.0007	-2.5 to 2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 Band38_OBW

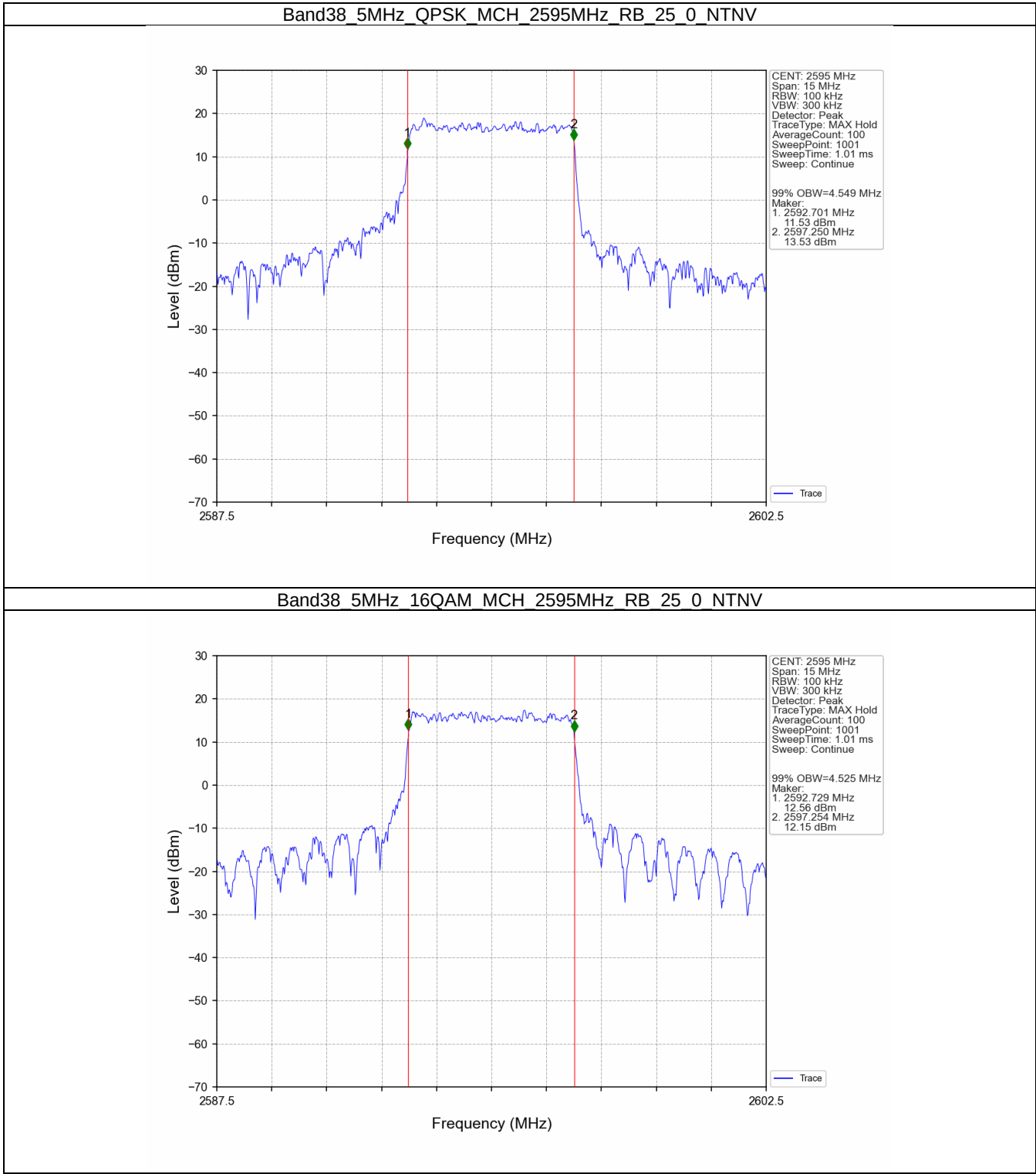
Band: 38 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2595	25	0	4.549	/	Pass
	16QAM	2595	25	0	4.525	/	Pass
10	QPSK	2595	50	0	9.004	/	Pass
	16QAM	2595	50	0	9.035	/	Pass
15	QPSK	2595	75	0	13.526	/	Pass
	16QAM	2595	75	0	13.524	/	Pass
20	QPSK	2595	100	0	18.113	/	Pass
	16QAM	2595	100	0	18.038	/	Pass

3.1.2 Band38_XDB

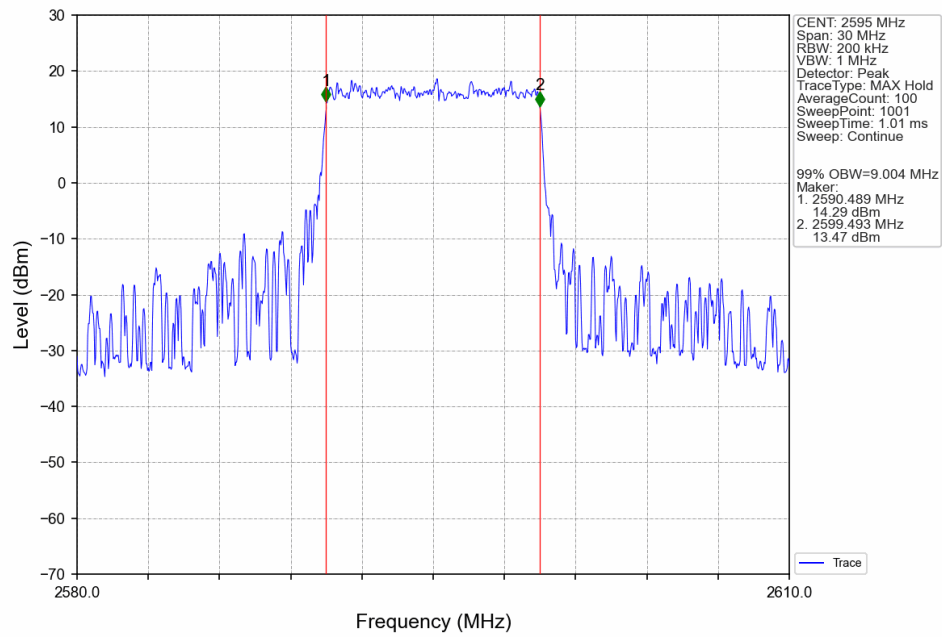
Band: 38 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2595	25	0	5.978	/	Pass
	16QAM	2595	25	0	5.500	/	Pass
10	QPSK	2595	50	0	10.459	/	Pass
	16QAM	2595	50	0	11.539	/	Pass
15	QPSK	2595	75	0	15.285	/	Pass
	16QAM	2595	75	0	14.579	/	Pass
20	QPSK	2595	100	0	25.794	/	Pass
	16QAM	2595	100	0	19.767	/	Pass

3.2 Test Graph

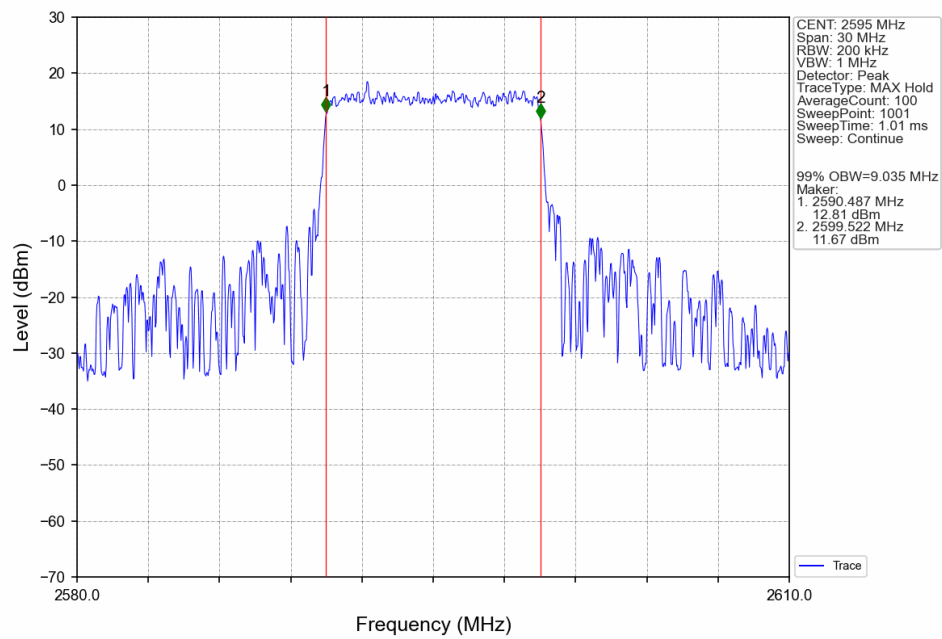
3.2.1 Band38_OBW



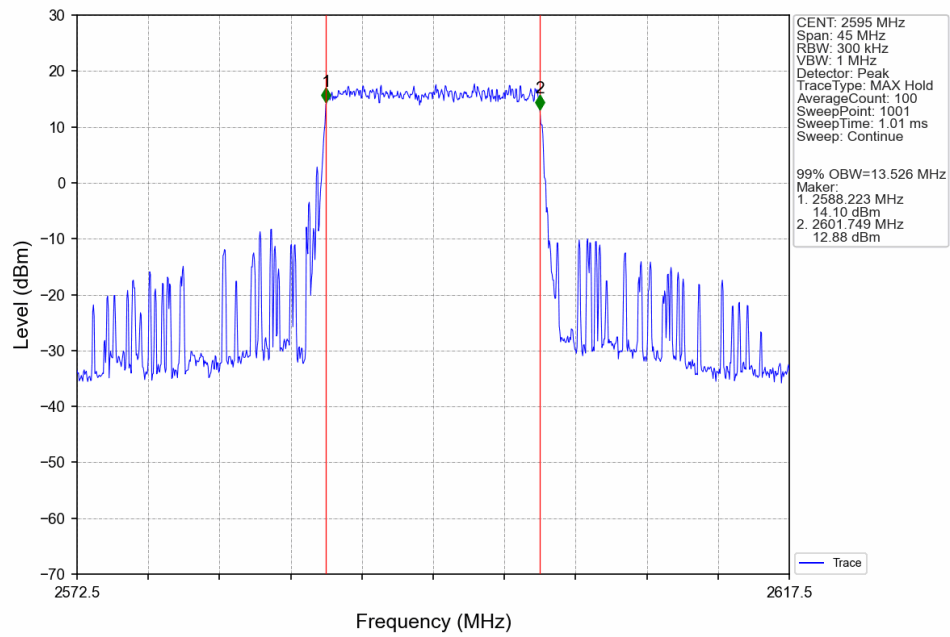
Band38_10MHz_QPSK_MCH_2595MHz_RB_50_0_NTNV



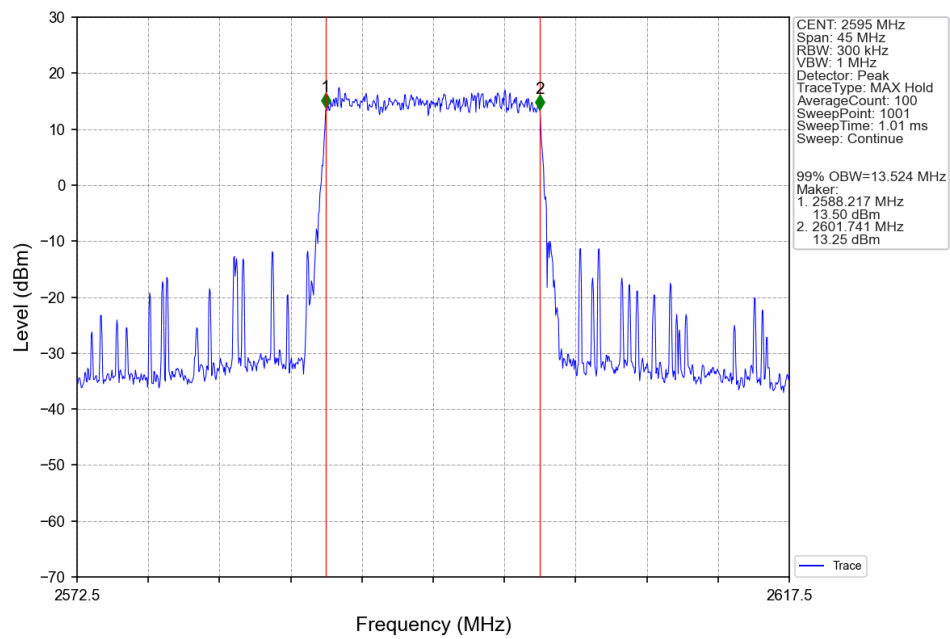
Band38_10MHz_16QAM_MCH_2595MHz_RB_50_0_NTNV



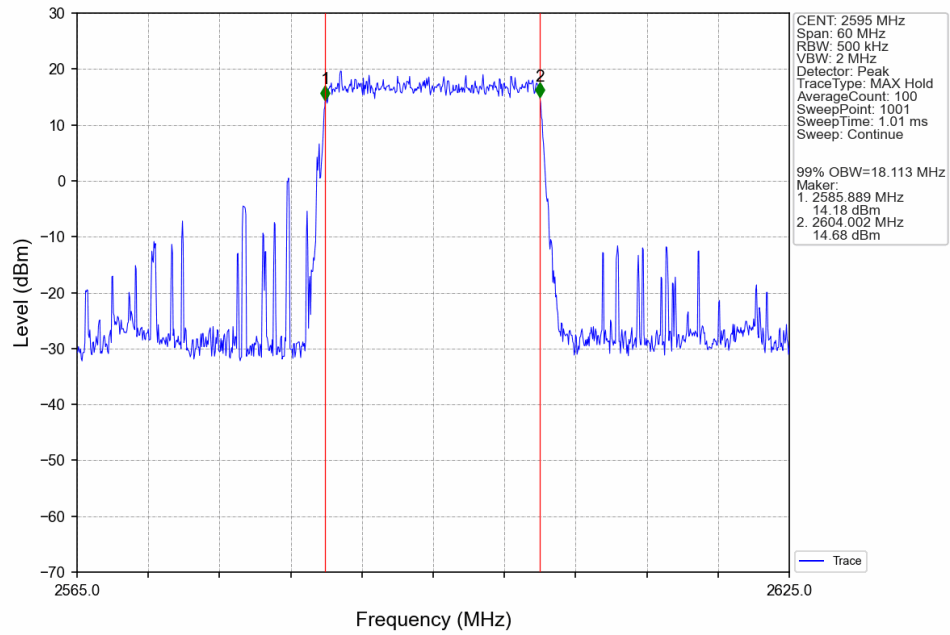
Band38_15MHz_QPSK_MCH_2595MHz_RB_75_0_NTNV



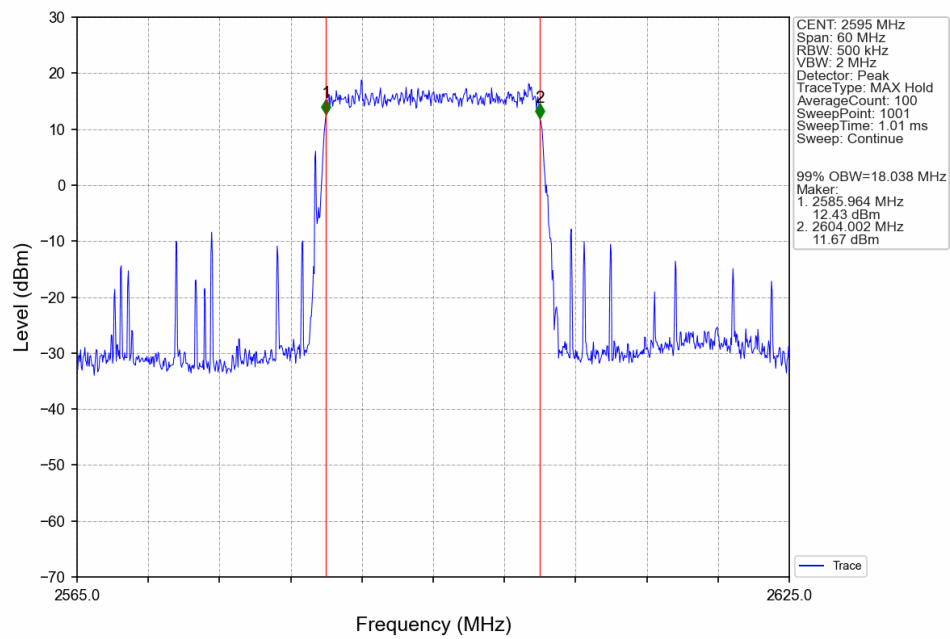
Band38_15MHz_16QAM_MCH_2595MHz_RB_75_0_NTNV



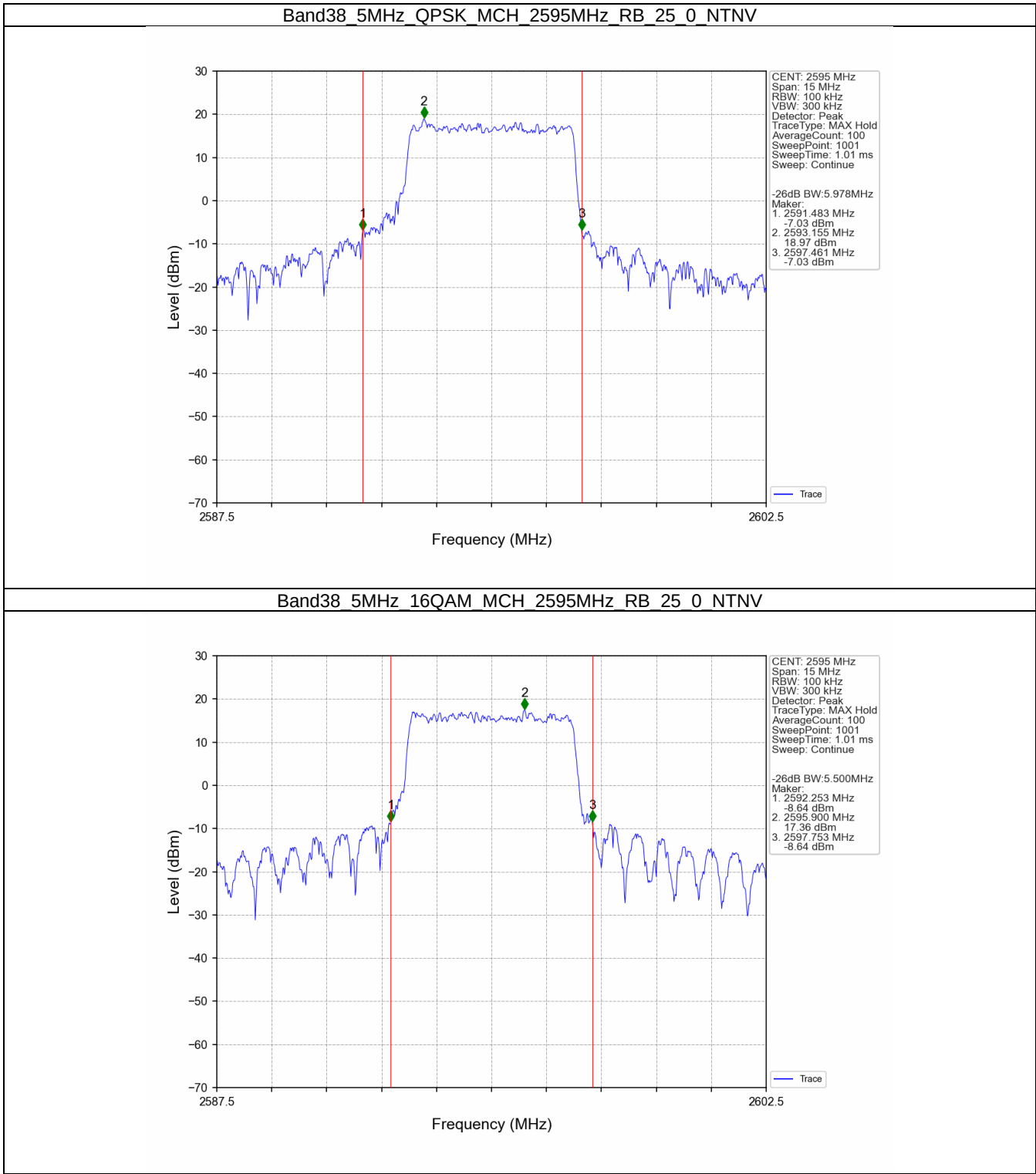
Band38_20MHz_QPSK_MCH_2595MHz_RB_100_0_NTNV



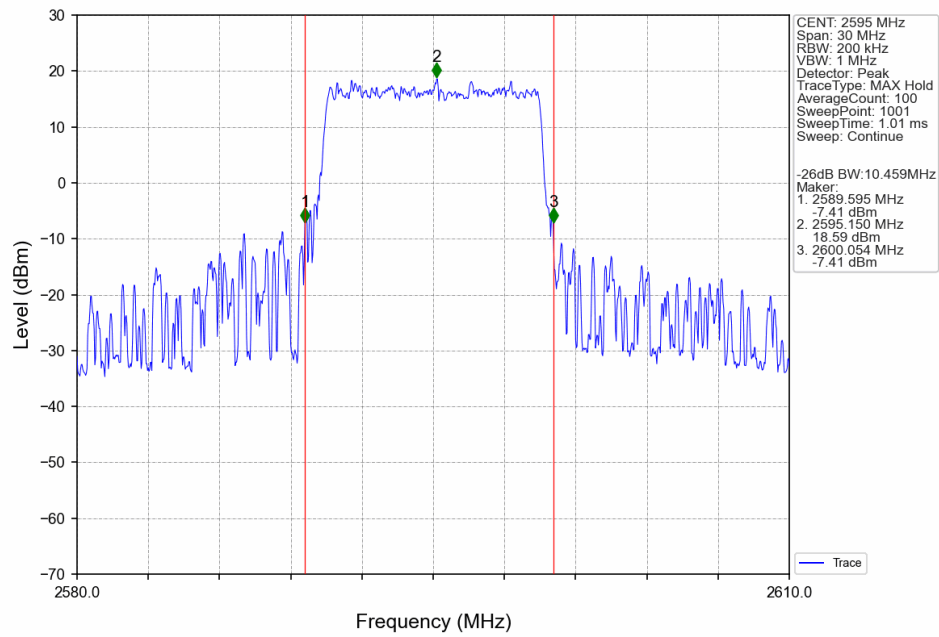
Band38_20MHz_16QAM_MCH_2595MHz_RB_100_0_NTNV



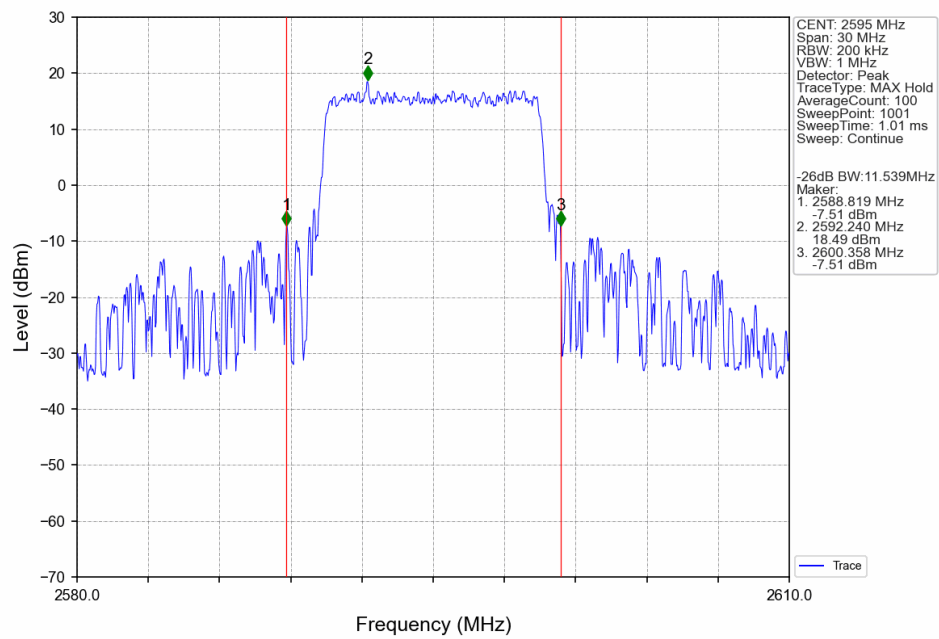
3.2.2 Band38_XDB



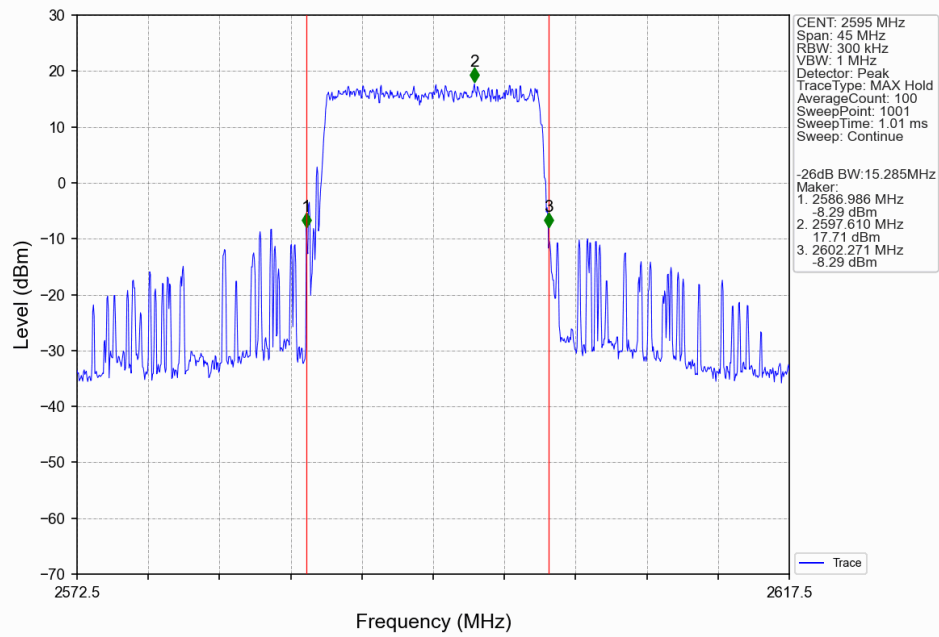
Band38_10MHz_QPSK_MCH_2595MHz_RB_50_0_NTNV



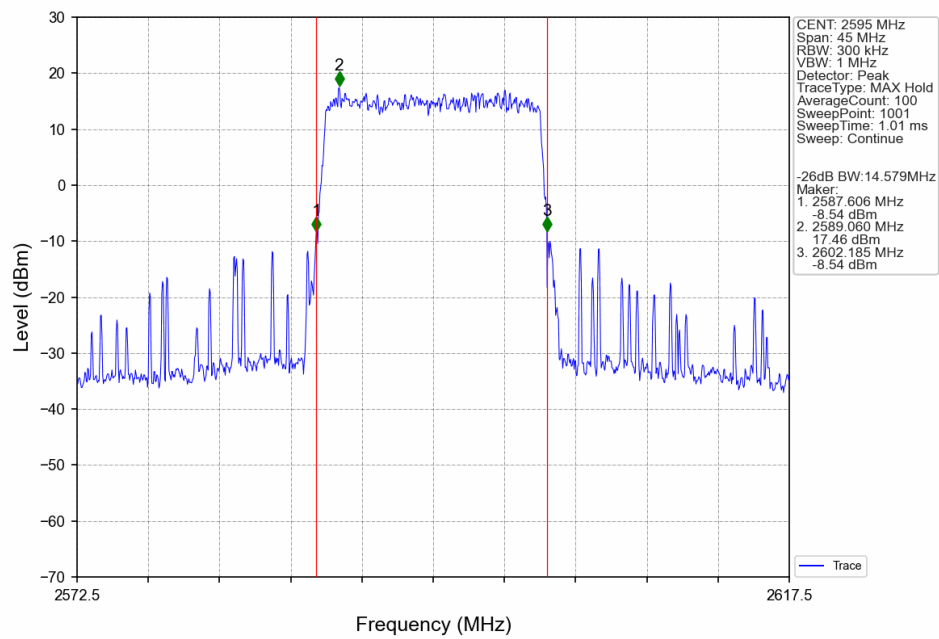
Band38_10MHz_16QAM_MCH_2595MHz_RB_50_0_NTNV



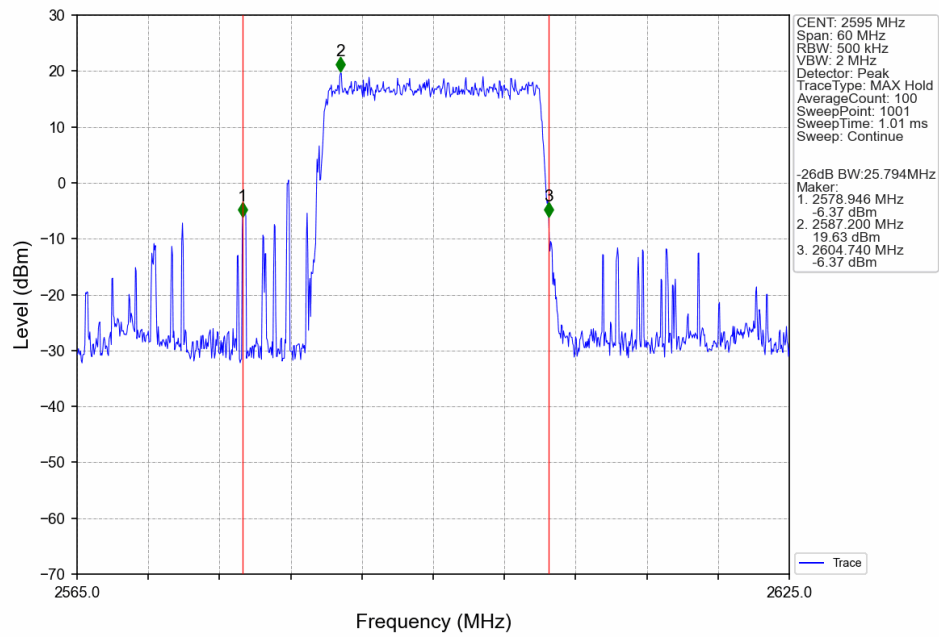
Band38_15MHz_QPSK_MCH_2595MHz_RB_75_0_NTNV



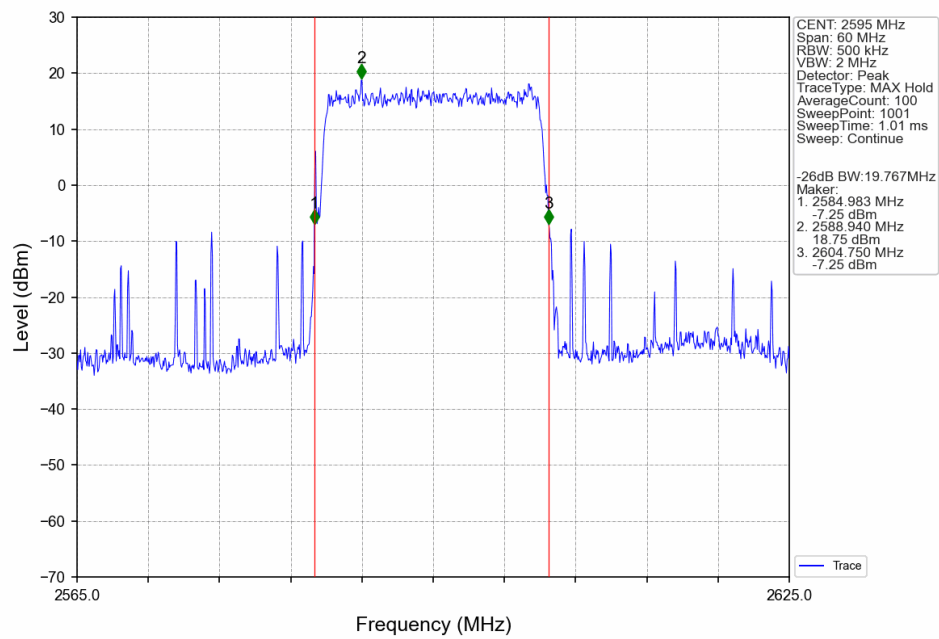
Band38_15MHz_16QAM_MCH_2595MHz_RB_75_0_NTNV



Band38_20MHz_QPSK_MCH_2595MHz_RB_100_0_NTNV



Band38_20MHz_16QAM_MCH_2595MHz_RB_100_0_NTNV



4. Peak-Average Ratio

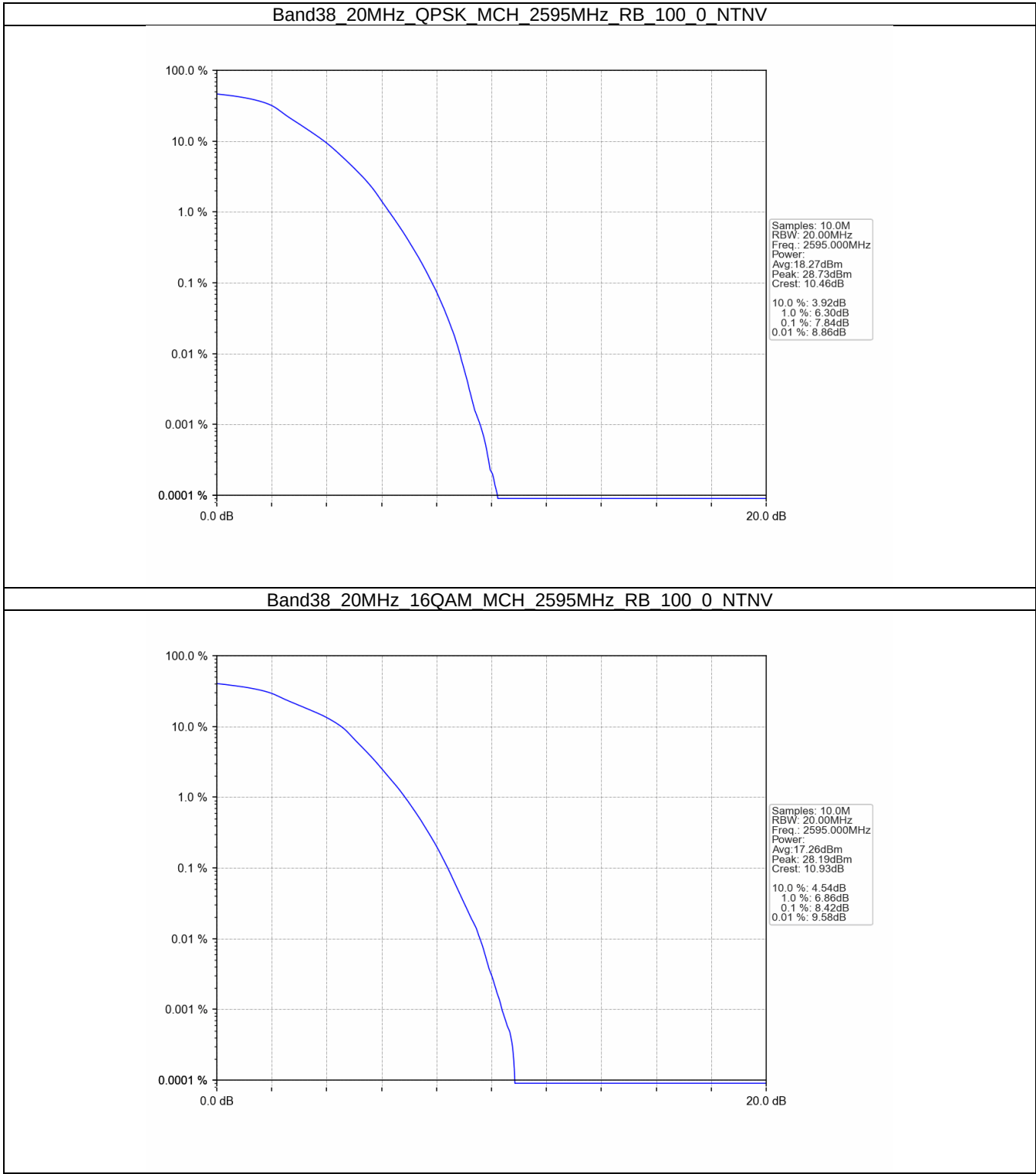
4.1 Test Result

4.1.1 B38_20MHz

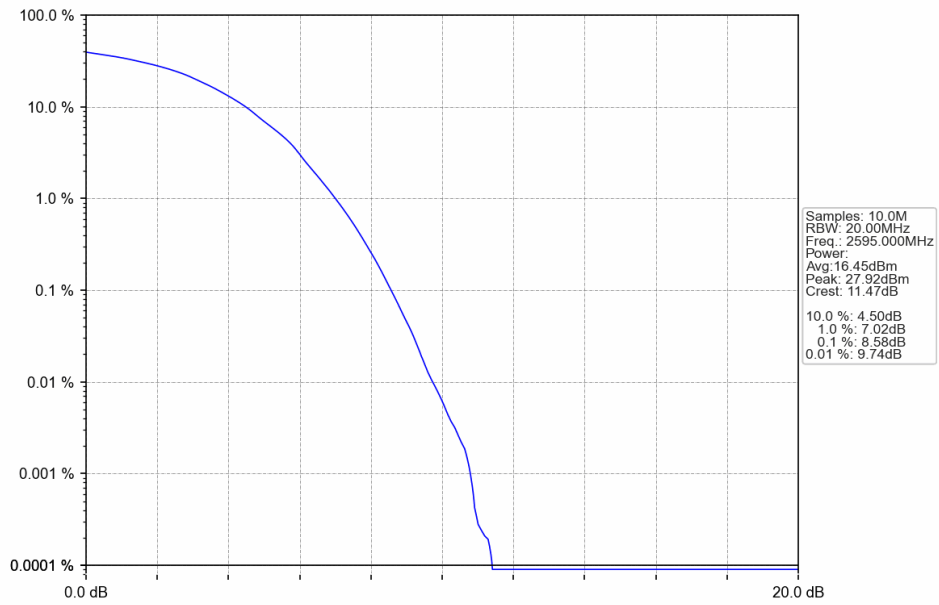
Band: 38 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2595	100	0	7.84	<=13	Pass
16QAM	2595	100	0	8.42	<=13	Pass
64QAM	2595	100	0	8.58	<=13	Pass

4.2 Test Graph

4.2.1 B38_20MHz



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

5.1.2 B38_10MHz

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

5.1.3 B38_15MHz

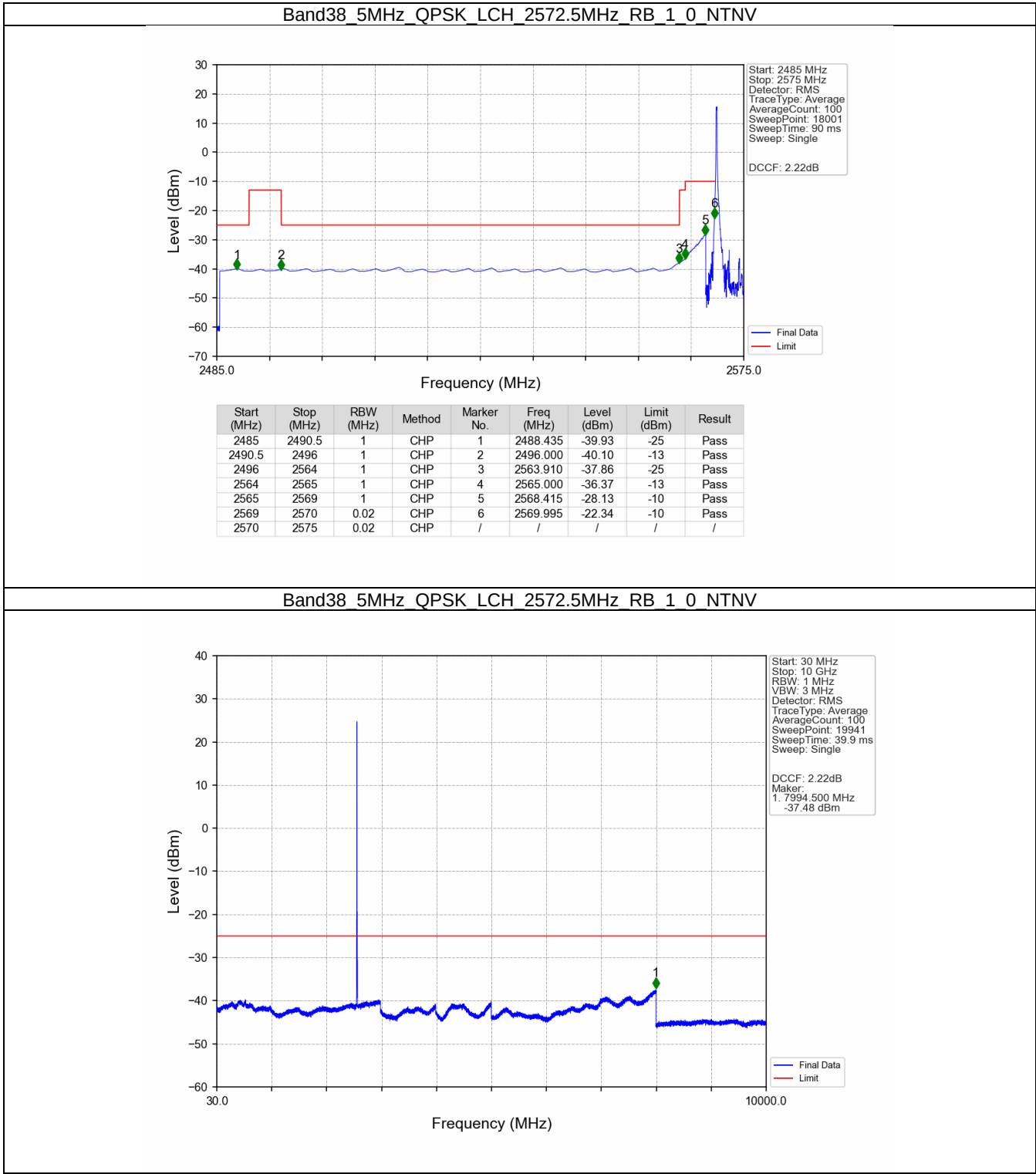
Band: 38 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	2577.5	1	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	2595	1	0	Refer To Test Graph		Pass
	2612.5	1	0	Refer To Test Graph		Pass
			74	Refer To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

5.1.4 B38_20MHz

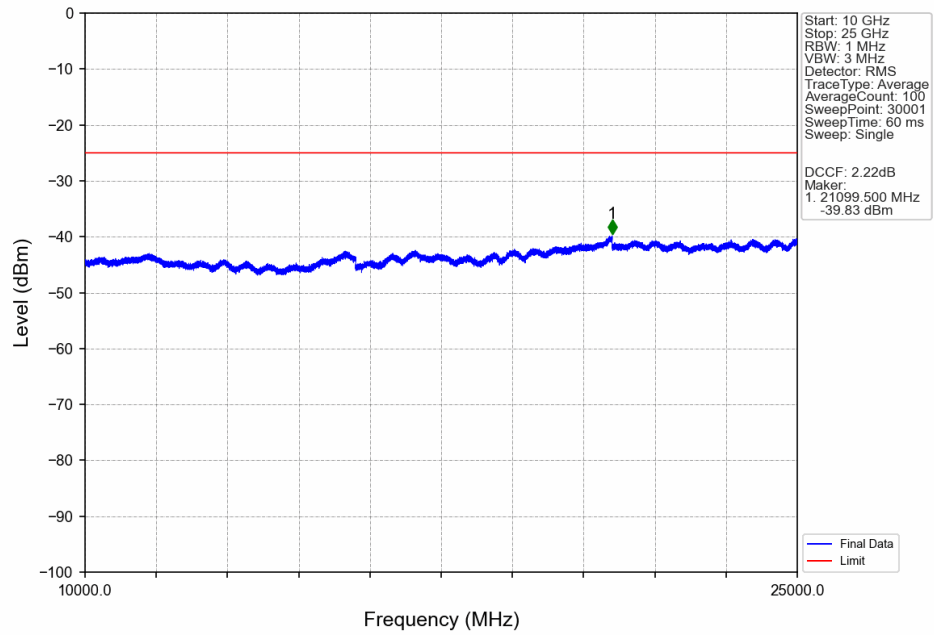
Band: 38 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	2580	1	0	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	2595	1	0	Refer To Test Graph		Pass
	2610	1	0	Refer To Test Graph		Pass
			99	Refer To Test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

5.2 Test Graph

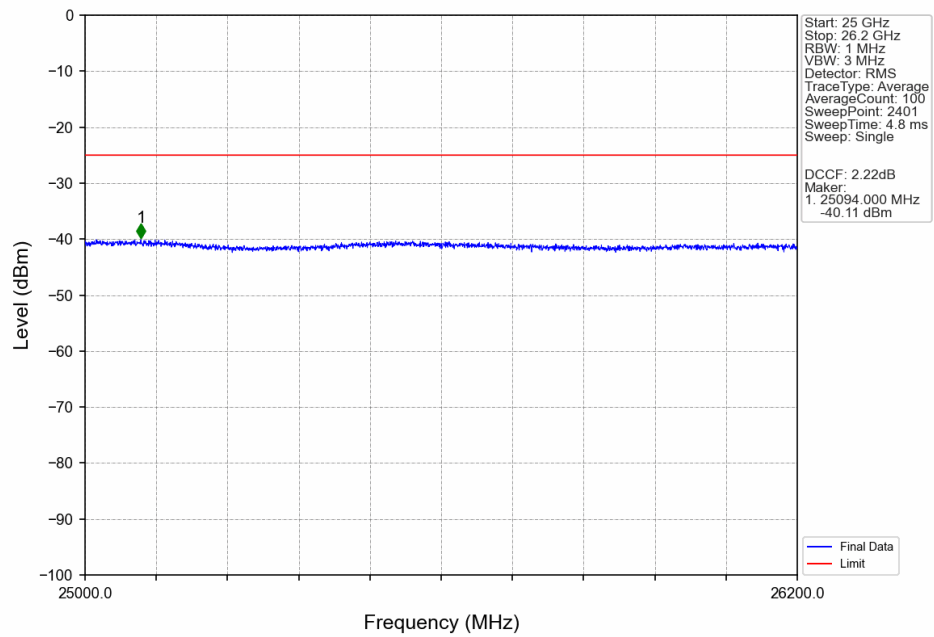
5.2.1 B38_5MHz



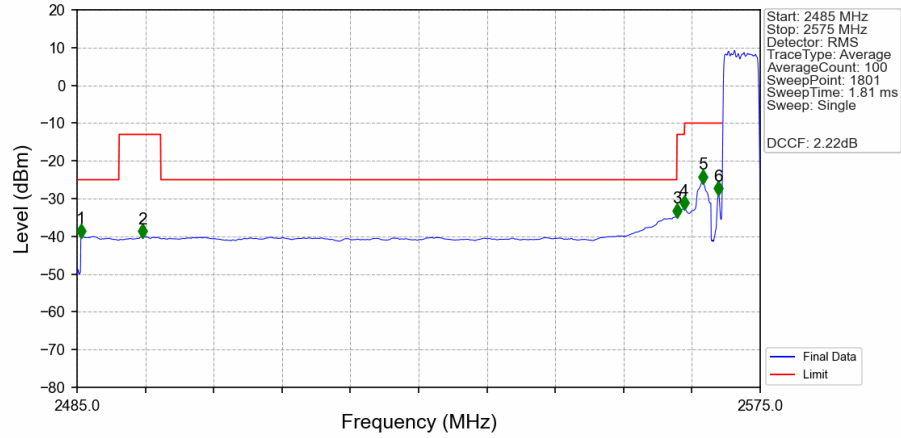
Band38_5MHz_QPSK_LCH_2572.5MHz_RB_1_0_NTNV



Band38_5MHz_QPSK_LCH_2572.5MHz_RB_1_0_NTNV

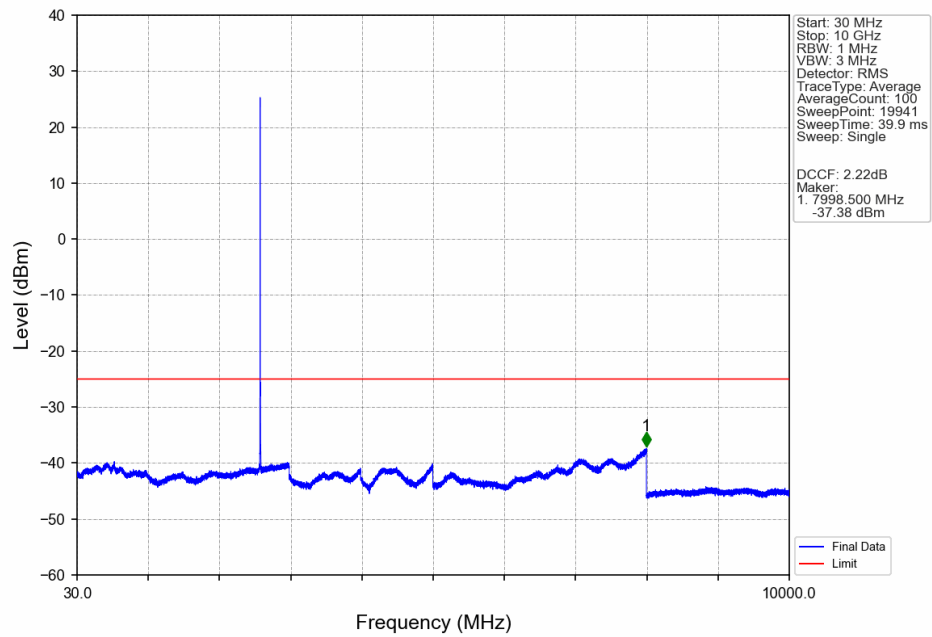


Band38_5MHz_QPSK_LCH_2572.5MHz_RB_25_0_NTNV

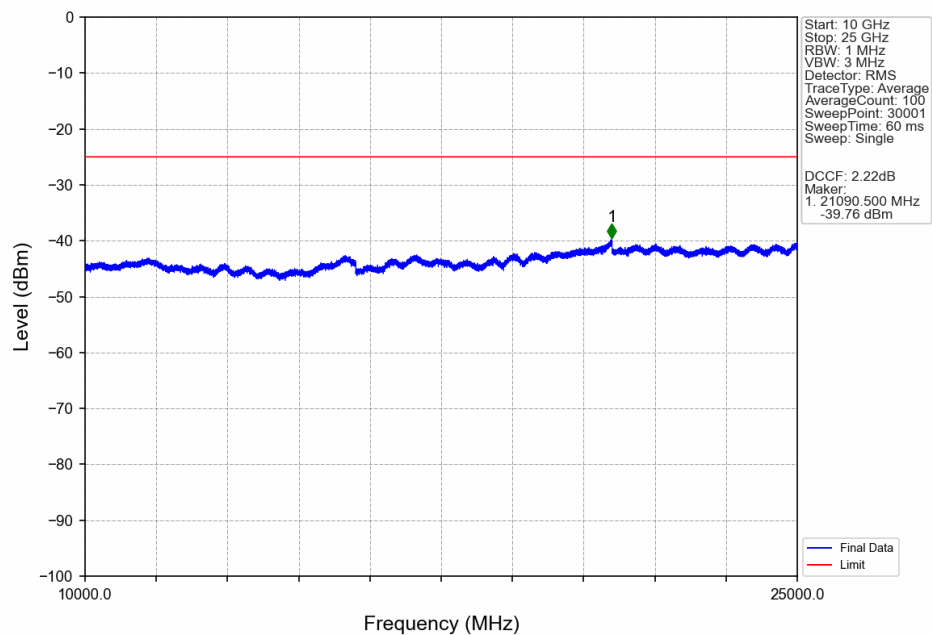


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2485.500	-40.05	-25	Pass
2490.5	2496	1	CHP	2	2493.650	-40.09	-13	Pass
2496	2564	1	CHP	3	2564.000	-34.71	-25	Pass
2564	2565	1	CHP	4	2565.000	-32.74	-13	Pass
2565	2569	1	CHP	5	2567.450	-25.76	-10	Pass
2569	2570	0.12	CHP	6	2569.500	-28.88	-10	Pass
2570	2575	0.12	CHP	/	/	/	/	/

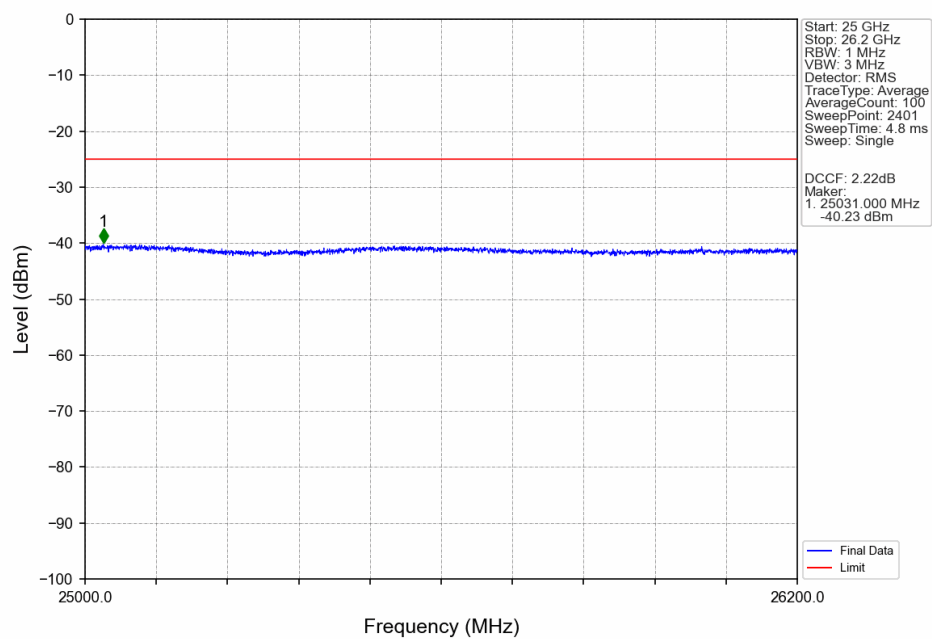
Band38_5MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



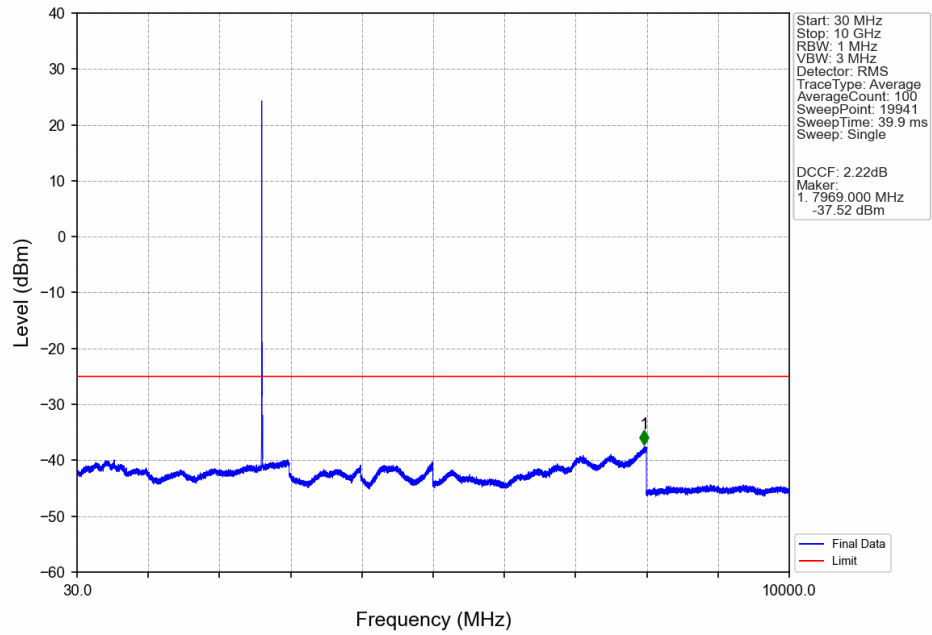
Band38_5MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



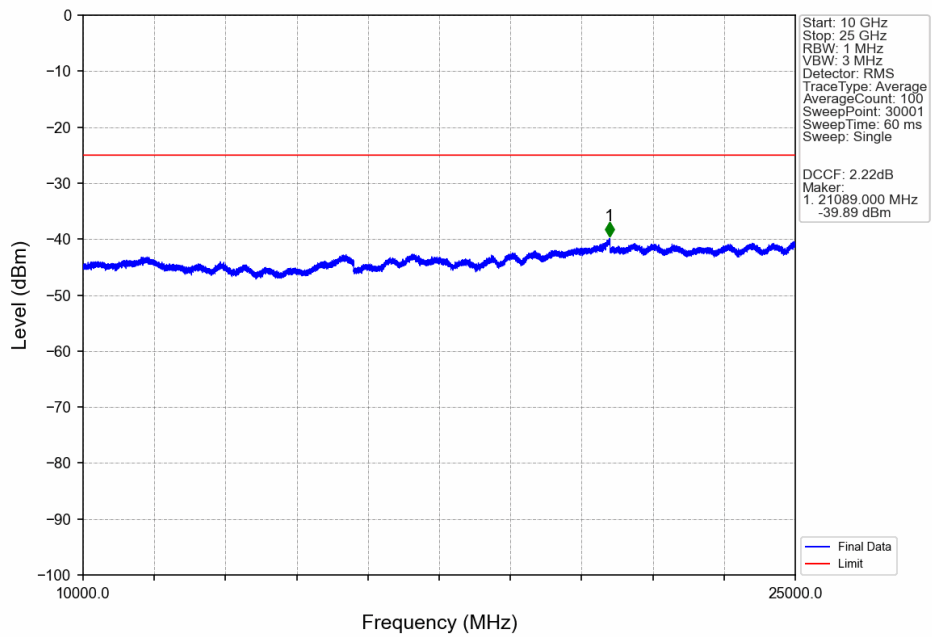
Band38_5MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



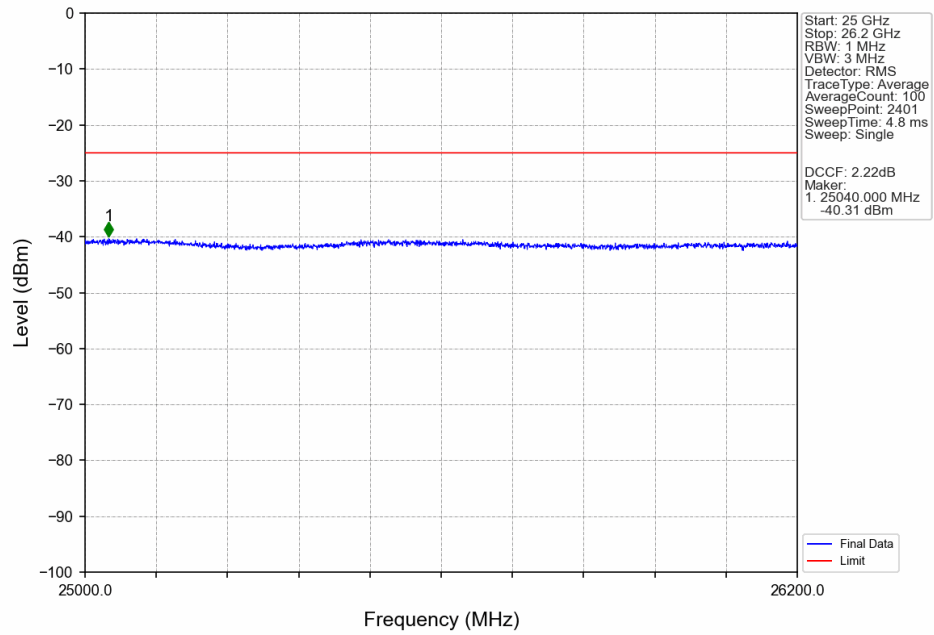
Band38_5MHz_QPSK_HCH_2617.5MHz_RB_1_0_NTNV



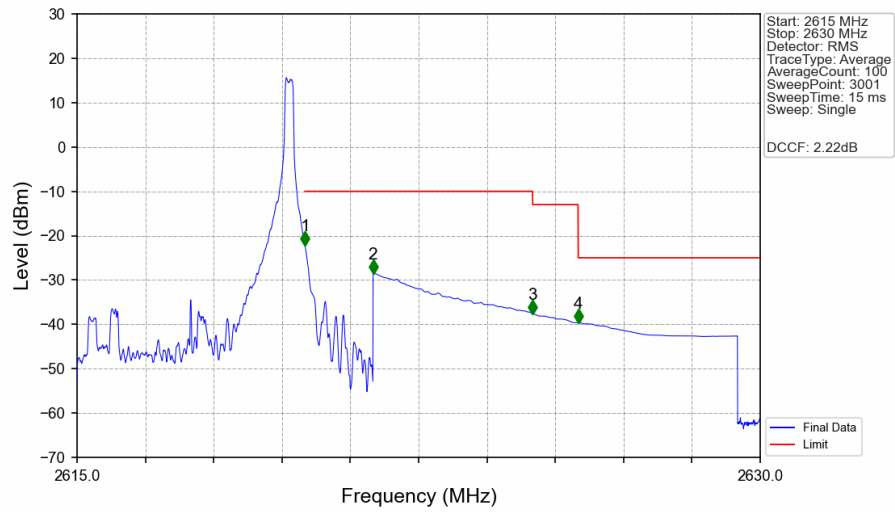
Band38_5MHz_QPSK_HCH_2617.5MHz_RB_1_0_NTNV



Band38_5MHz_QPSK_HCH_2617.5MHz_RB_1_0_NTNV

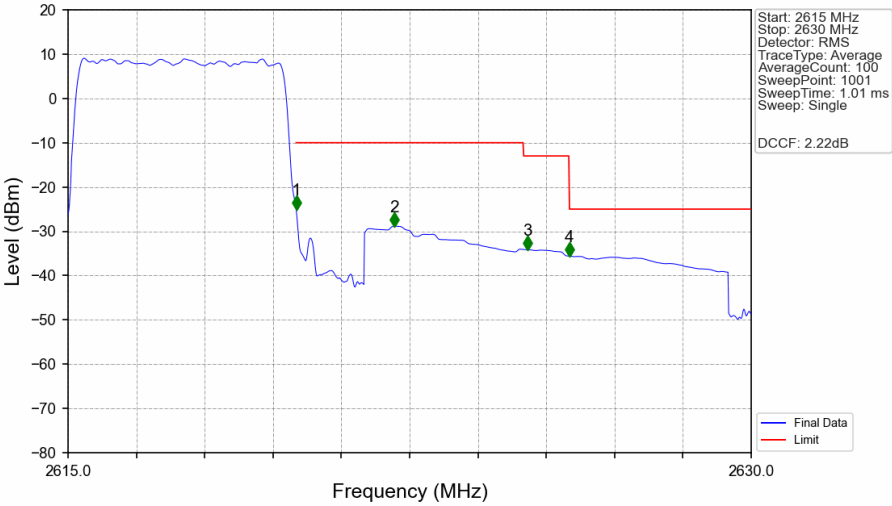


Band38_5MHz_QPSK_HCH_2617.5MHz_RB_1_24_NTNV



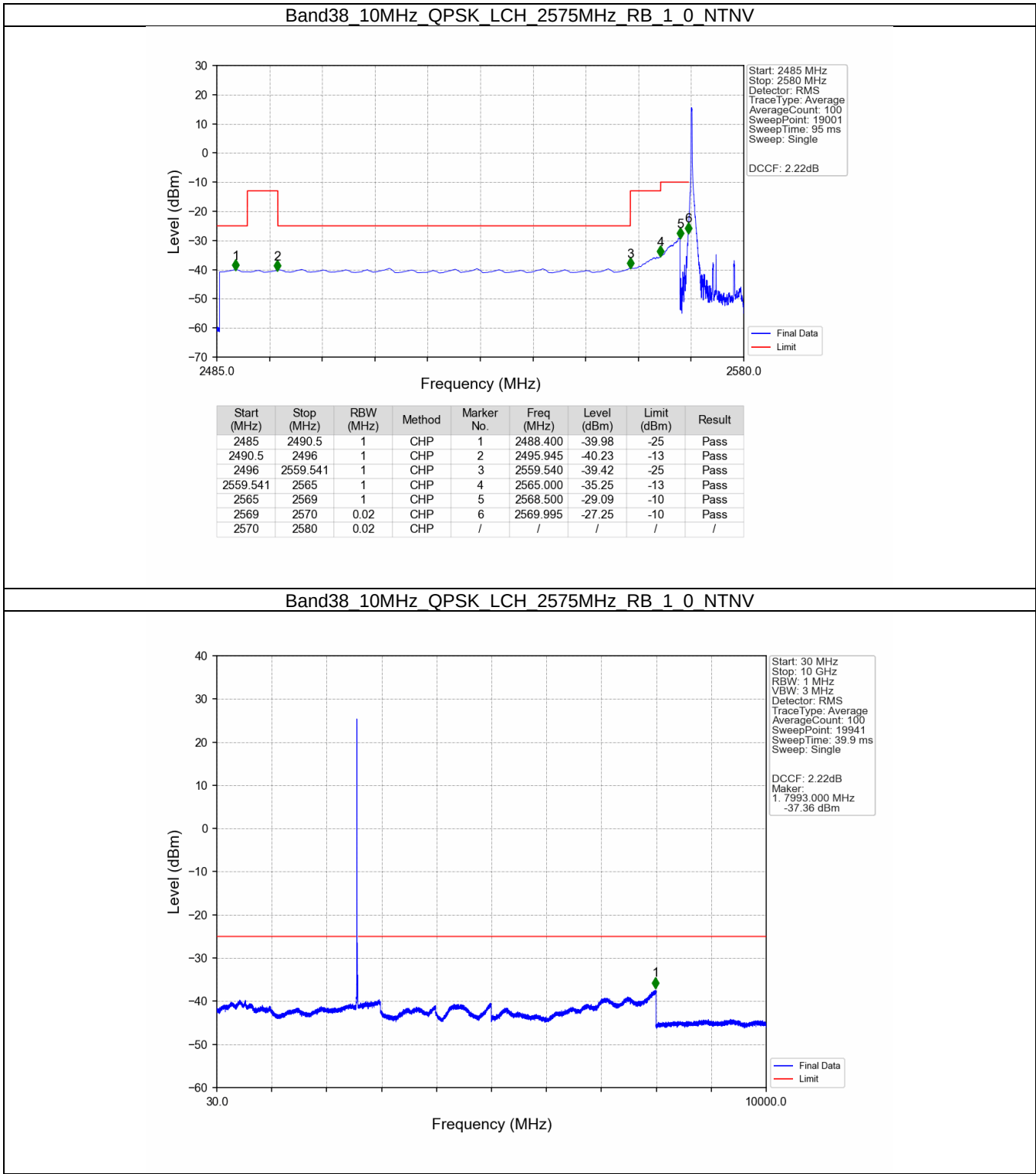
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2615	2620	0.02	CHP	/	/	/	/	/
2620	2621	0.02	CHP	1	2620.005	-22.21	-10	Pass
2621	2625	1	CHP	2	2621.500	-28.52	-10	Pass
2625	2626	1	CHP	3	2625.005	-37.65	-13	Pass
2626	2630	1	CHP	4	2626.005	-39.66	-25	Pass

Band38_5MHz_QPSK_HCH_2617.5MHz_RB_25_0_NTNV

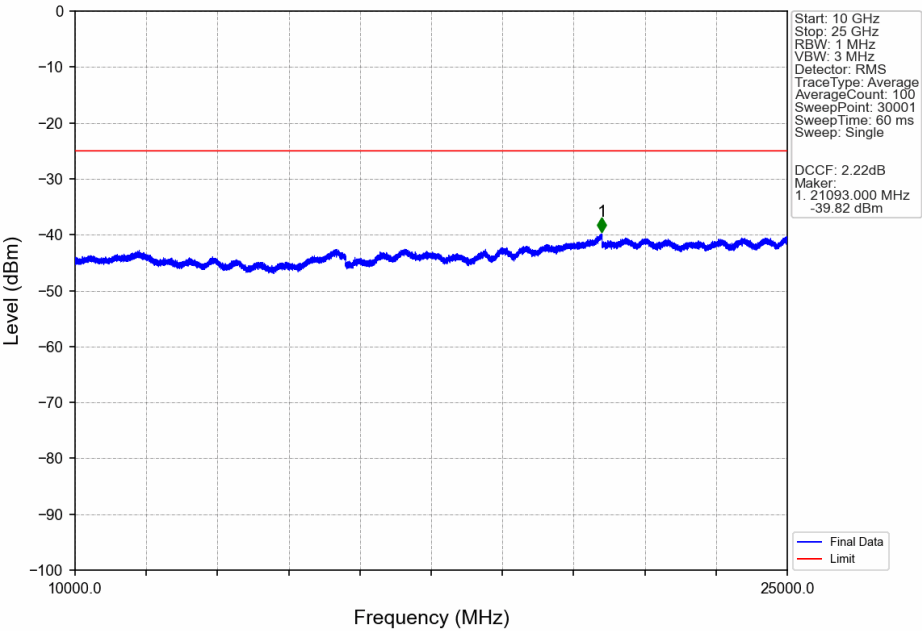


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2615	2620	0.12	CHP	/	/	/	/	/
2620	2621	0.12	CHP	1	2620.010	-25.20	-10	Pass
2621	2625	1	CHP	2	2622.170	-28.87	-10	Pass
2625	2626	1	CHP	3	2625.080	-34.14	-13	Pass
2626	2630	1	CHP	4	2626.010	-35.62	-25	Pass

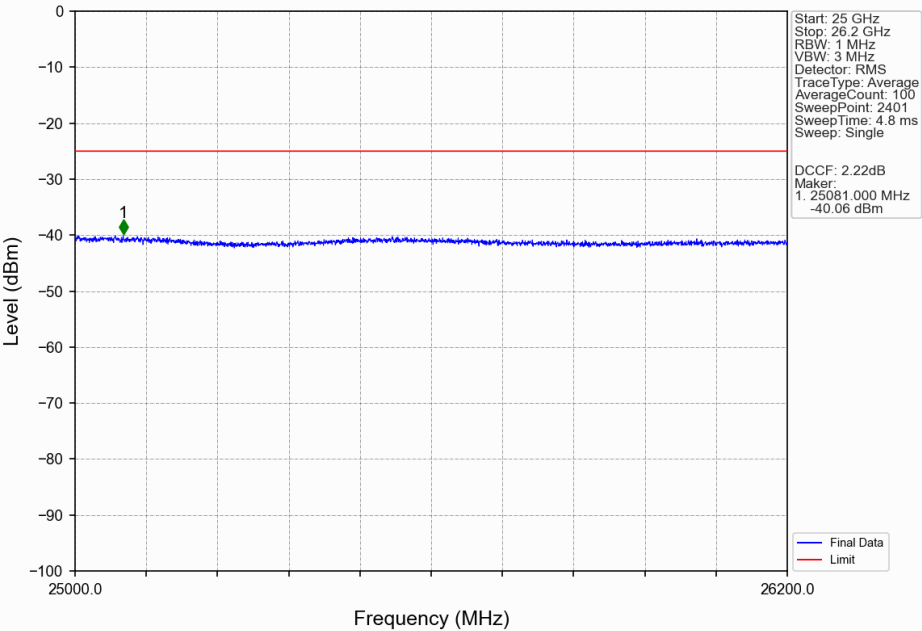
5.2.2 B38_10MHz



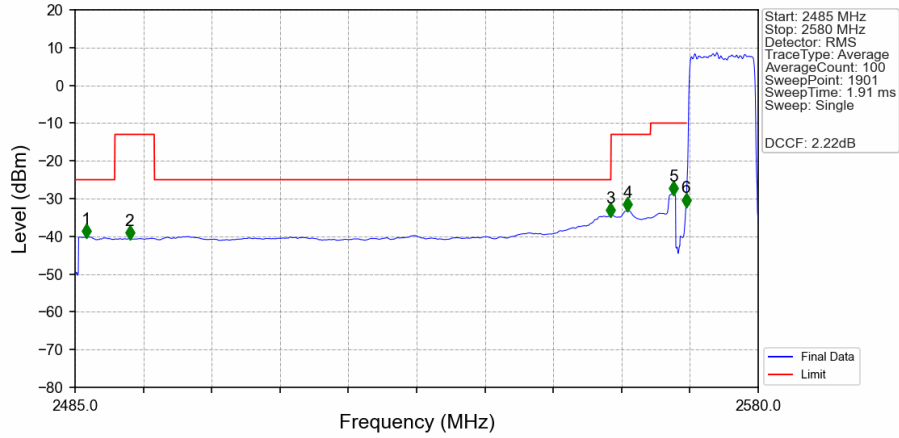
Band38_10MHz_QPSK_LCH_2575MHz_RB_1_0_NTNV



Band38_10MHz_QPSK_LCH_2575MHz_RB_1_0_NTNV

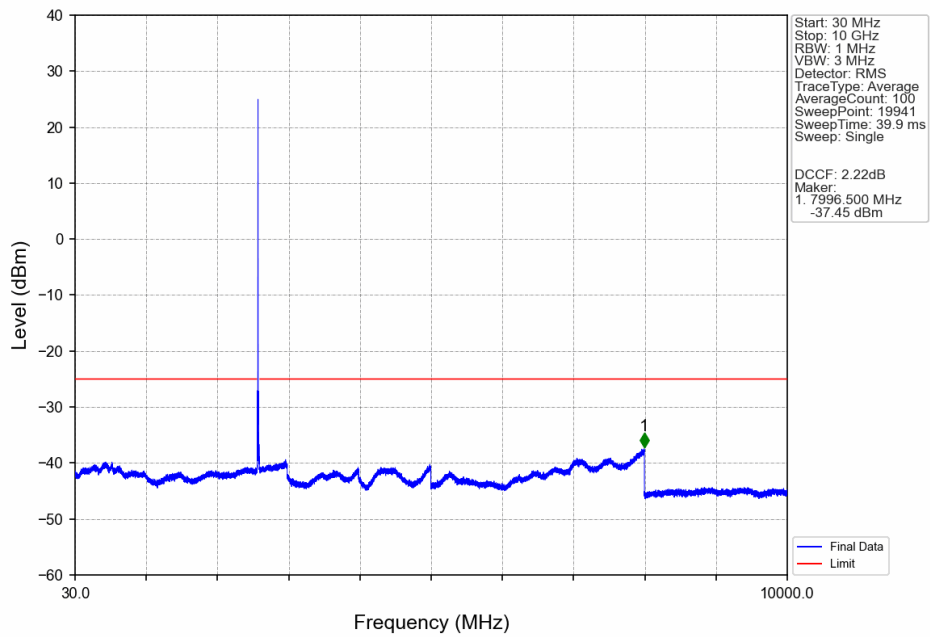


Band38_10MHz_QPSK_LCH_2575MHz_RB_50_0_NTNV

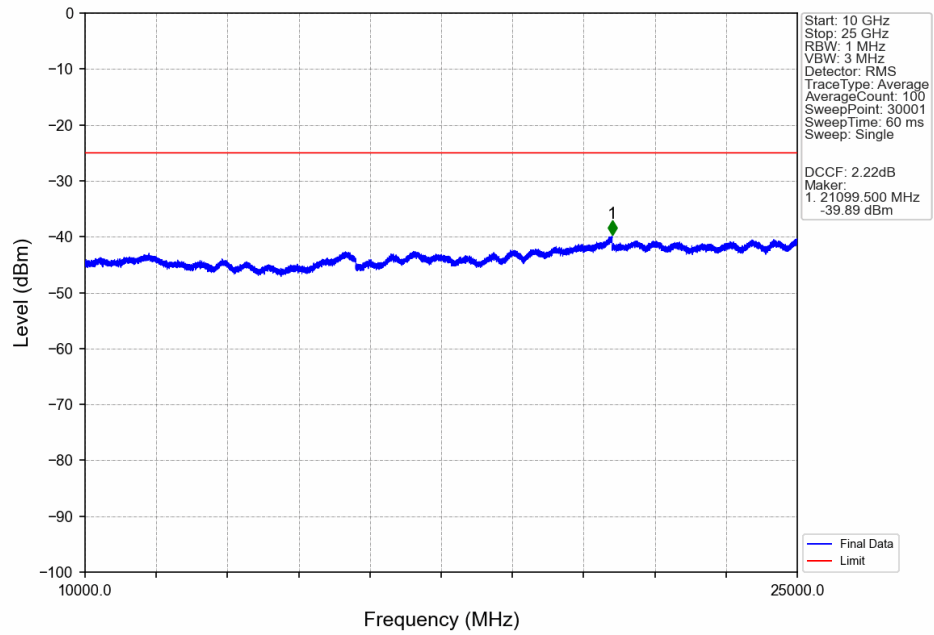


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2486.550	-40.19	-25	Pass
2490.5	2496	1	CHP	2	2492.600	-40.53	-13	Pass
2496	2559.541	1	CHP	3	2559.500	-34.59	-25	Pass
2559.541	2565	1	CHP	4	2561.850	-33.10	-13	Pass
2565	2569	1	CHP	5	2568.200	-28.78	-10	Pass
2569	2570	0.209	CHP	6	2569.950	-31.92	-10	Pass
2570	2580	0.209	CHP	/	/	/	/	/

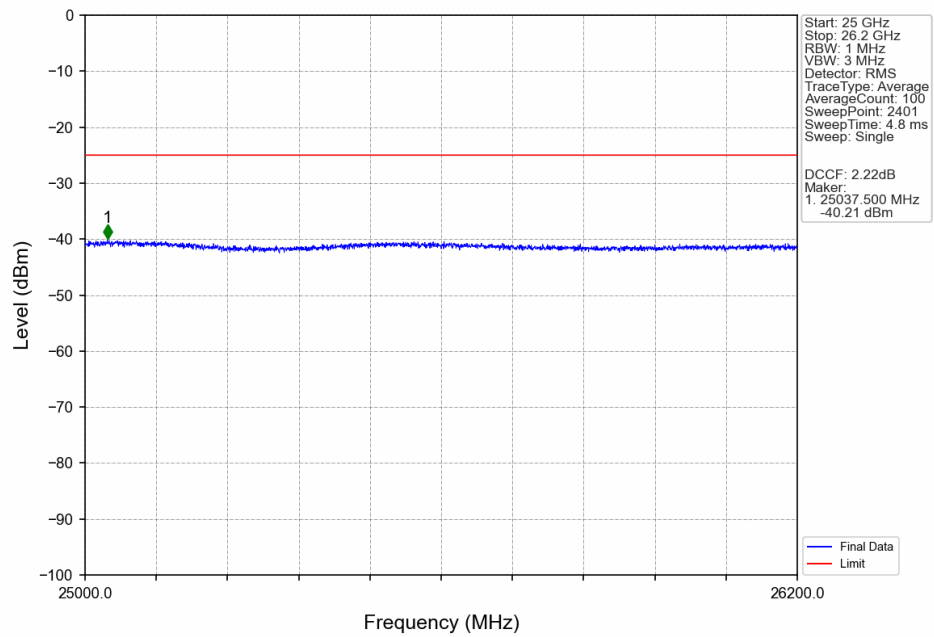
Band38_10MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



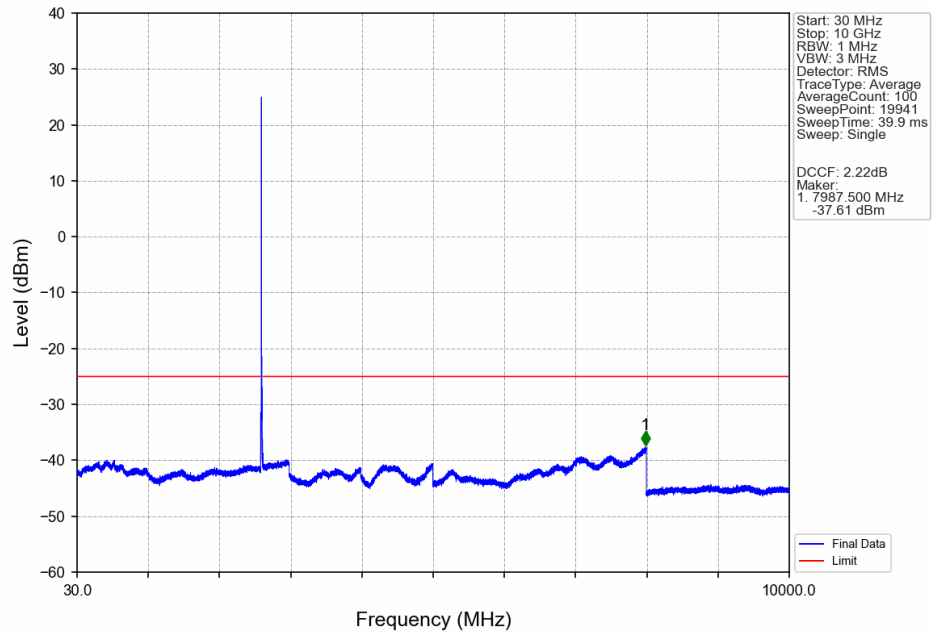
Band38_10MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



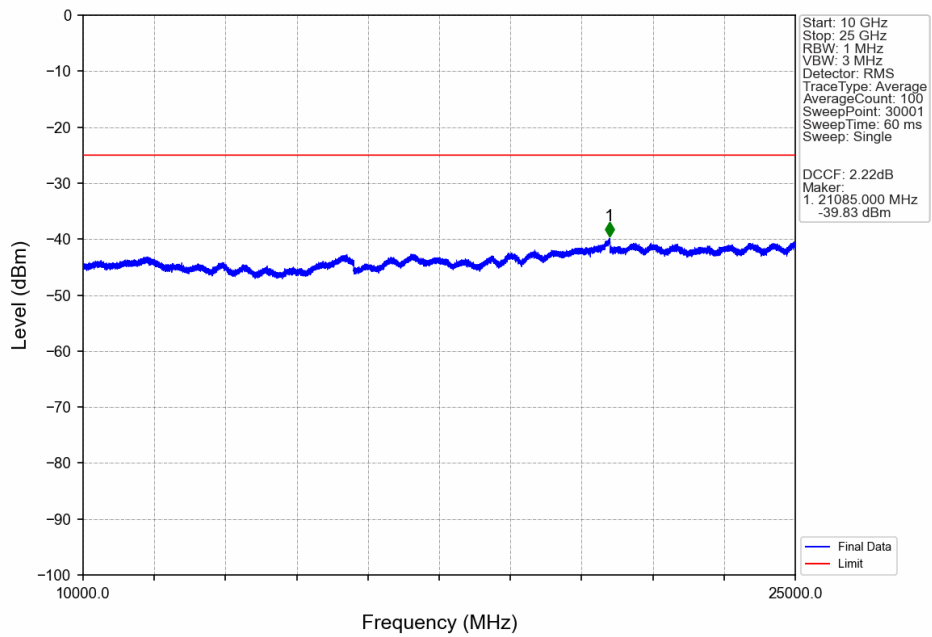
Band38_10MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



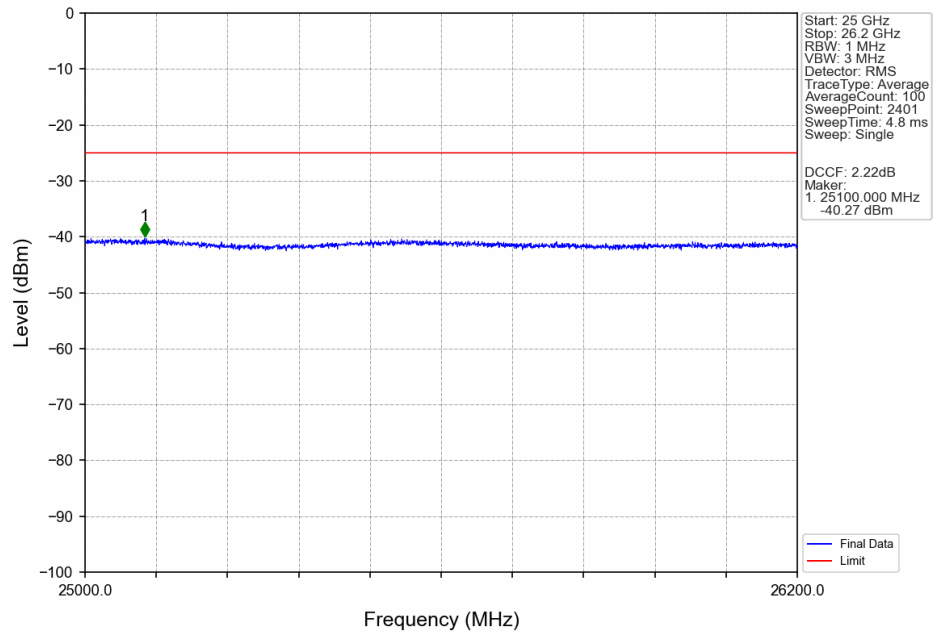
Band38_10MHz_QPSK_HCH_2615MHz_RB_1_0_NTNV



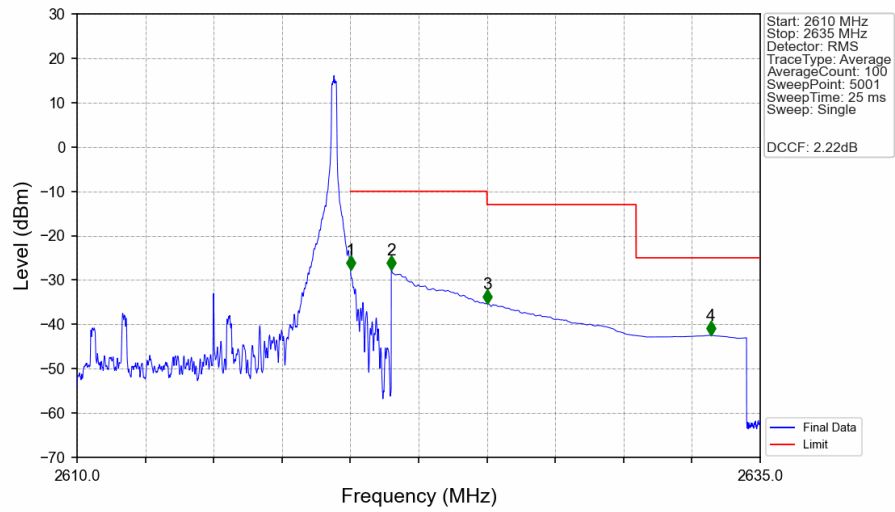
Band38_10MHz_QPSK_HCH_2615MHz_RB_1_0_NTNV



Band38_10MHz_QPSK_HCH_2615MHz_RB_1_0_NTNV

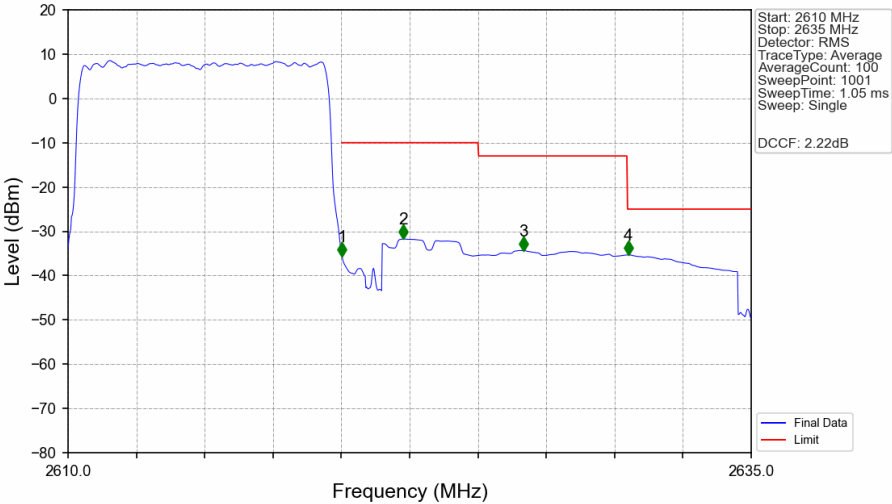


Band38_10MHz_QPSK_HCH_2615MHz_RB_1_49_NTNV



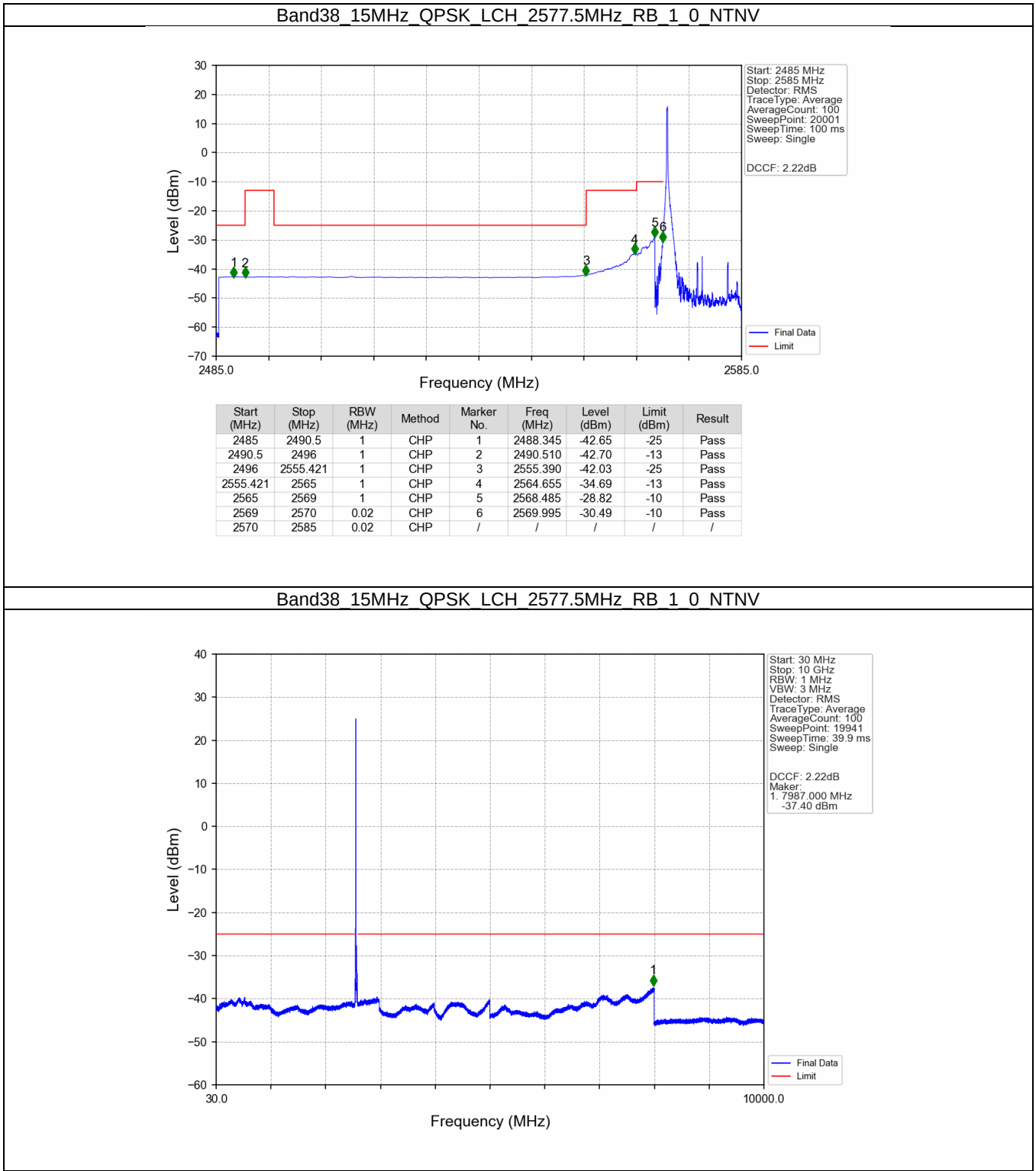
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2610	2620	0.02	CHP	/	/	/	/	/
2620	2621	0.02	CHP	1	2620.005	-27.65	-10	Pass
2621	2625	1	CHP	2	2621.500	-27.76	-10	Pass
2625	2630.459	1	CHP	3	2625.005	-35.27	-13	Pass
2630.459	2635	1	CHP	4	2633.190	-42.47	-25	Pass

Band38_10MHz_QPSK_HCH_2615MHz_RB_50_0_NTNV

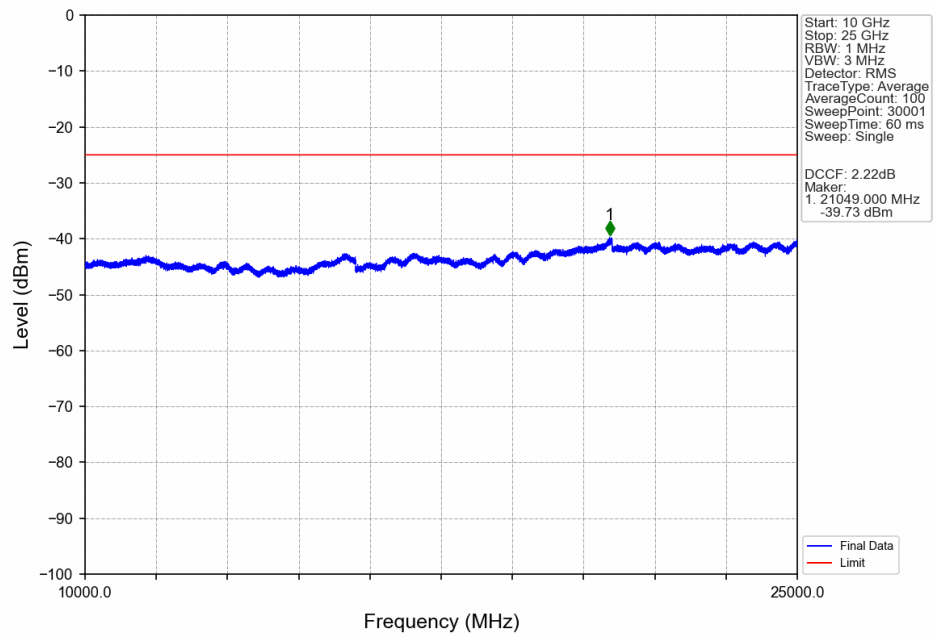


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2610	2620	0.209	CHP	/	/	/	/	/
2620	2621	0.209	CHP	1	2620.025	-35.63	-10	Pass
2621	2625	1	CHP	2	2622.275	-31.75	-10	Pass
2625	2630.459	1	CHP	3	2626.675	-34.33	-13	Pass
2630.459	2635	1	CHP	4	2630.500	-35.33	-25	Pass

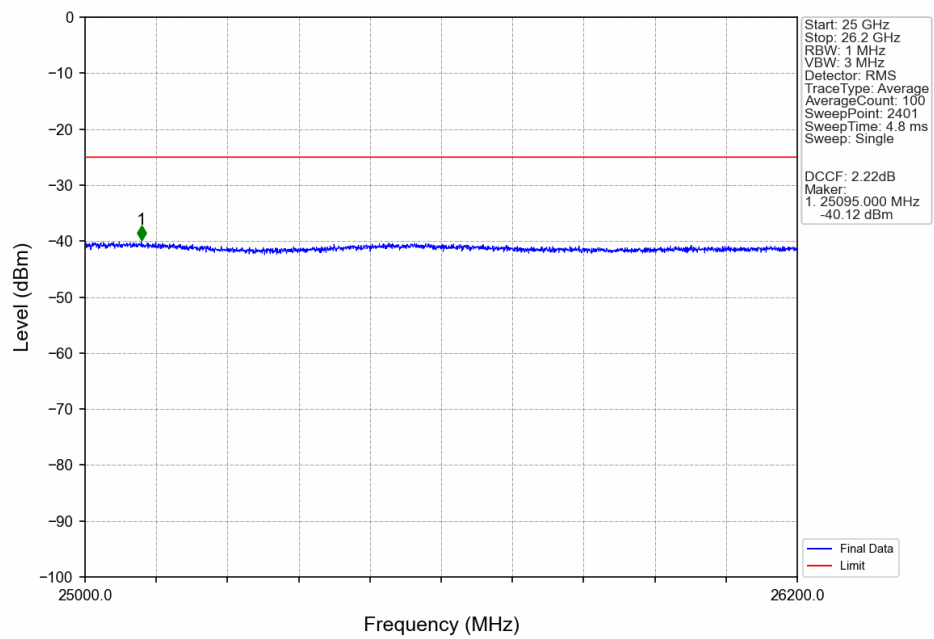
5.2.3 B38_15MHz



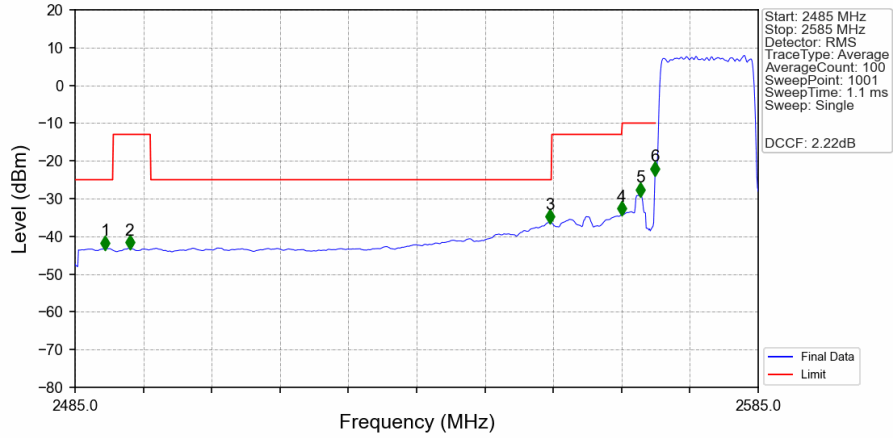
Band38_15MHz_QPSK_LCH_2577.5MHz_RB_1_0_NTNV



Band38_15MHz_QPSK_LCH_2577.5MHz_RB_1_0_NTNV

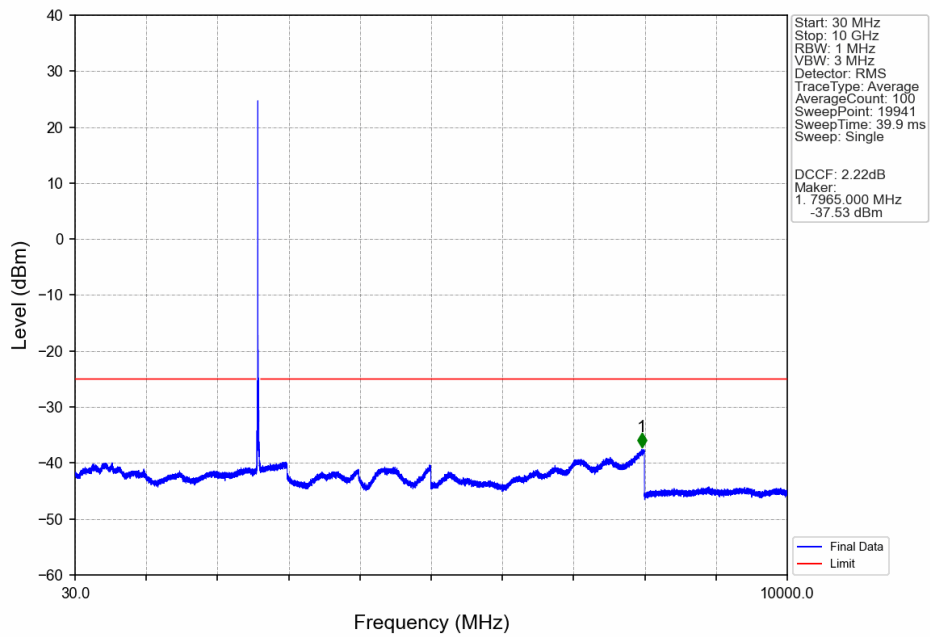


Band38_15MHz_QPSK_LCH_2577.5MHz_RB_75_0_NTNV

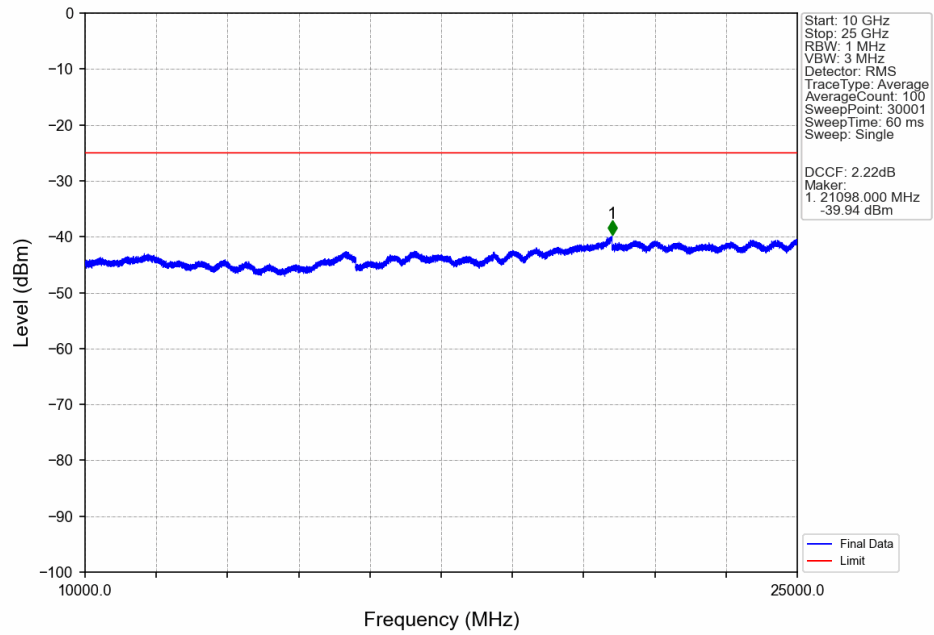


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2489.400	-43.23	-25	Pass
2490.5	2496	1	CHP	2	2493.000	-43.15	-13	Pass
2496	2554.715	1	CHP	3	2554.500	-36.31	-25	Pass
2554.715	2565	1	CHP	4	2565.000	-34.22	-13	Pass
2565	2569	1	CHP	5	2567.700	-29.13	-10	Pass
2569	2570	0.306	CHP	6	2569.900	-23.62	-10	Pass
2570	2585	0.306	CHP	/	/	/	/	/

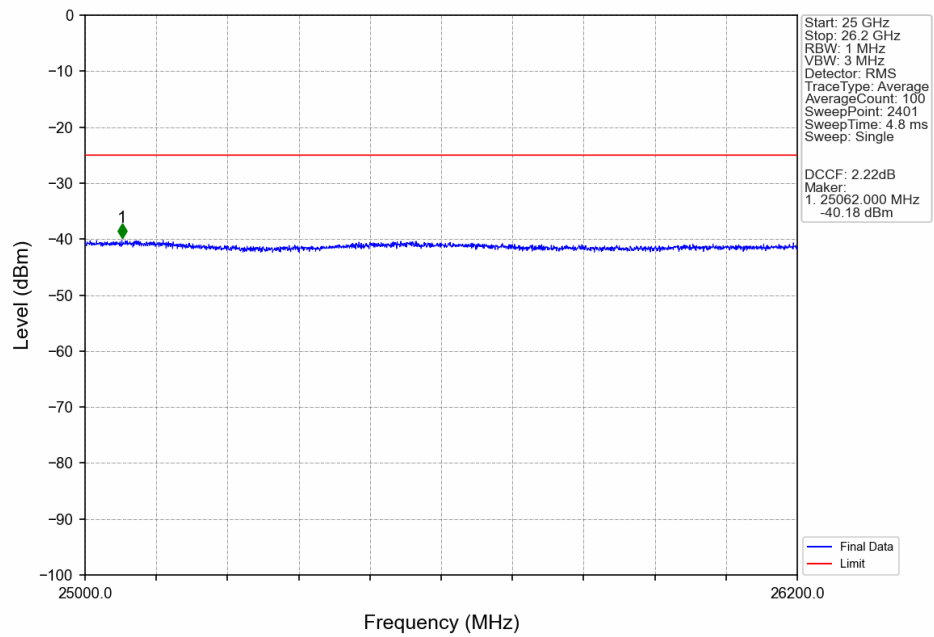
Band38_15MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



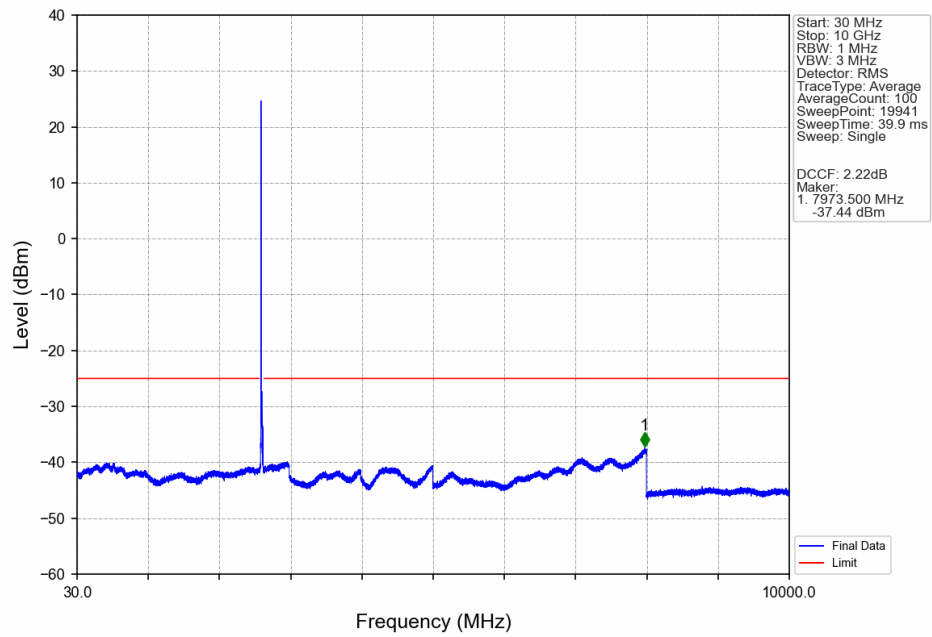
Band38_15MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



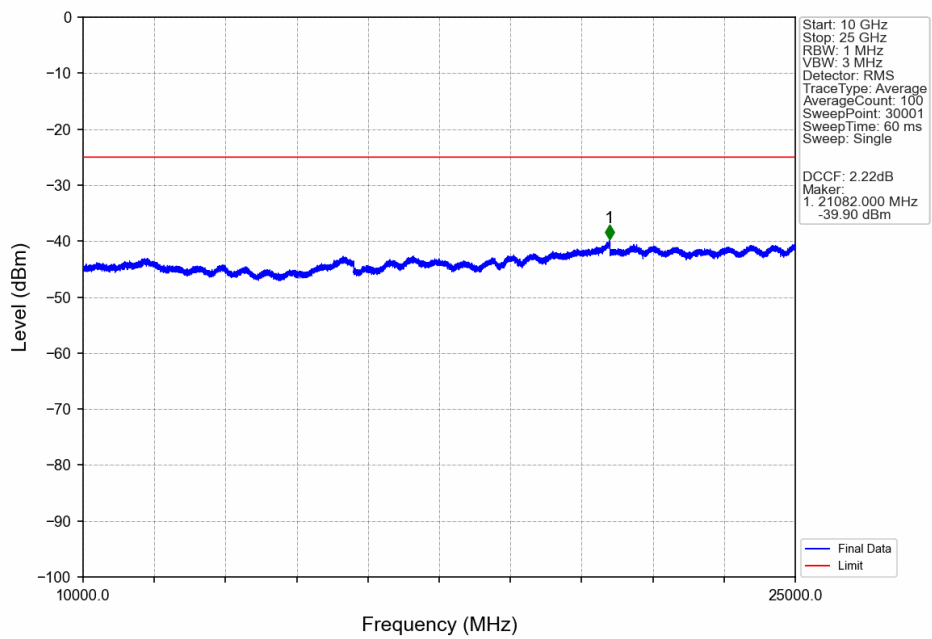
Band38_15MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



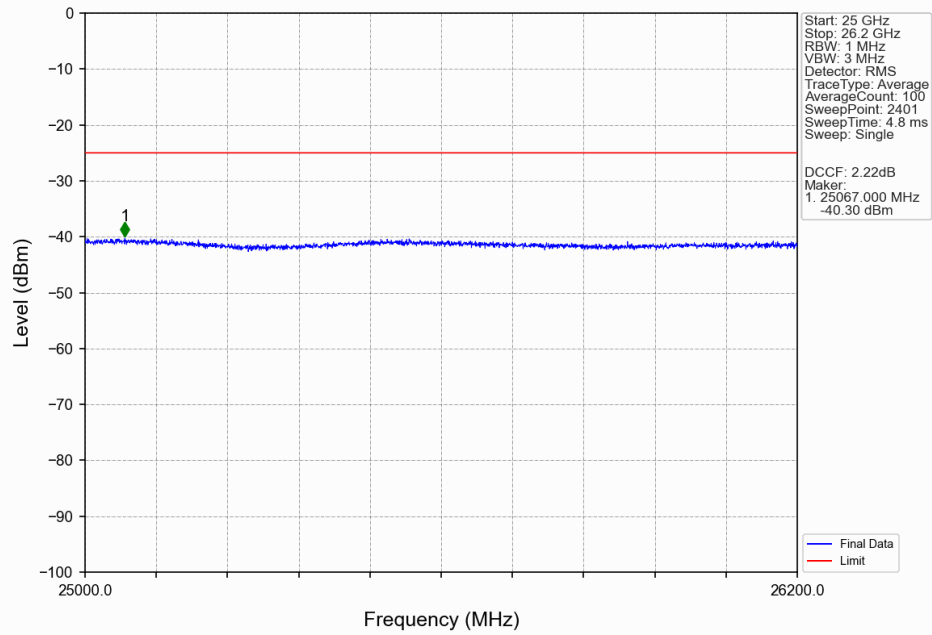
Band38_15MHz_QPSK_HCH_2612.5MHz_RB_1_0_NTNV



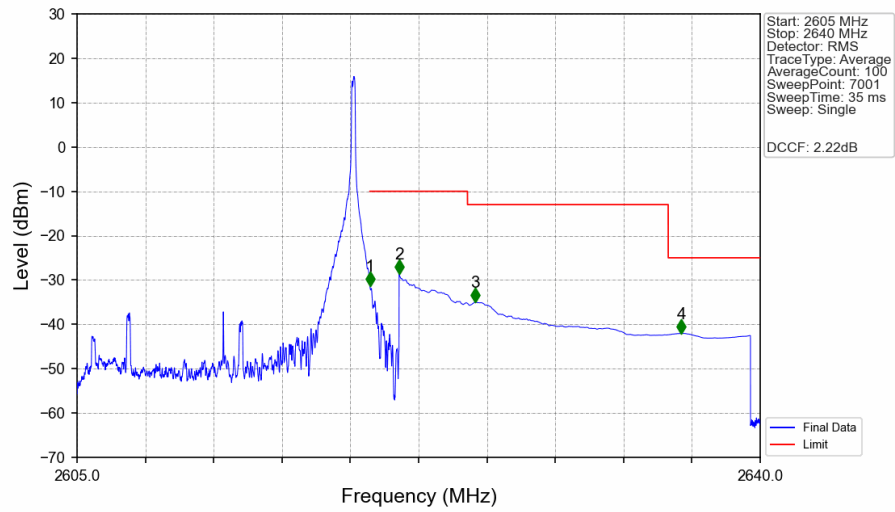
Band38_15MHz_QPSK_HCH_2612.5MHz_RB_1_0_NTNV



Band38_15MHz_QPSK_HCH_2612.5MHz_RB_1_0_NTNV

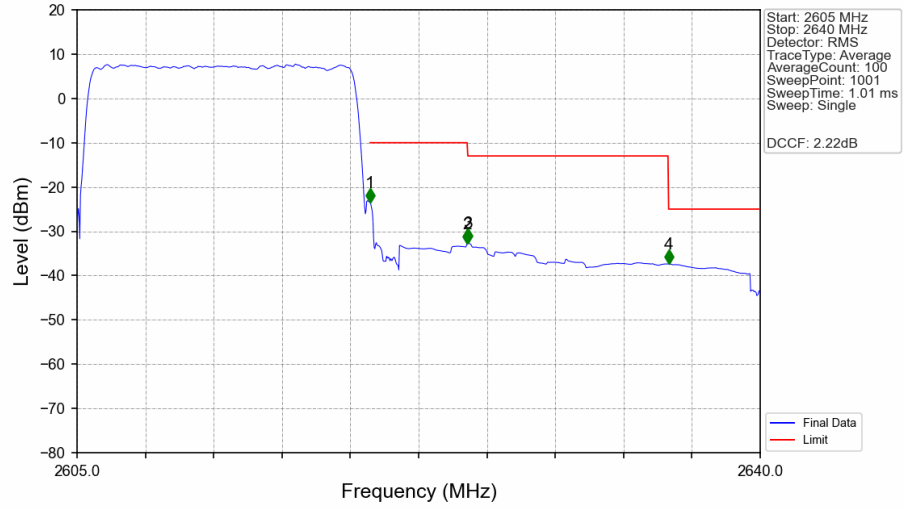


Band38_15MHz_QPSK_HCH_2612.5MHz_RB_1_74_NTNV



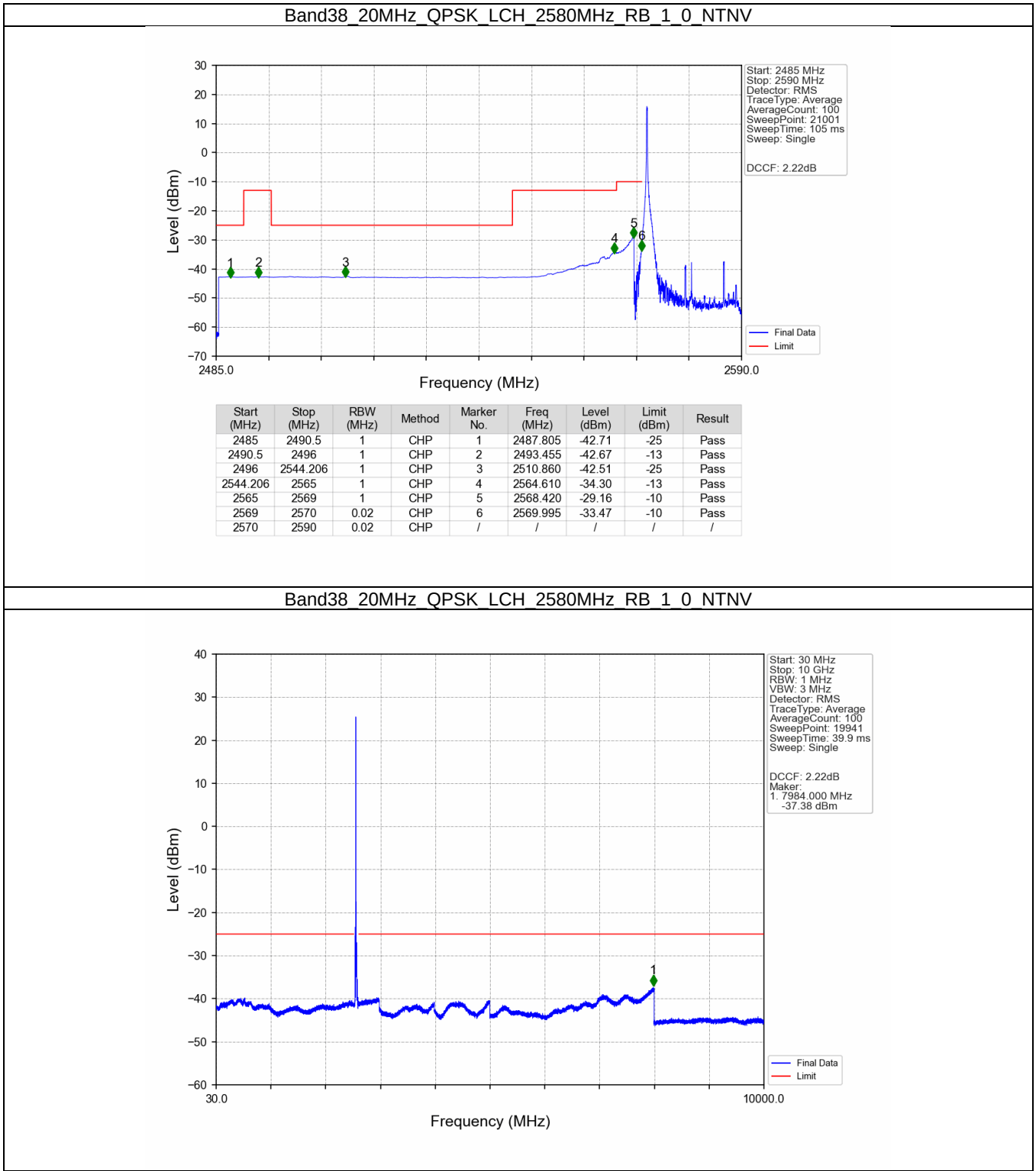
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2605	2620	0.02	CHP	/	/	/	/	/
2620	2621	0.02	CHP	1	2620.005	-31.41	-10	Pass
2621	2625	1	CHP	2	2621.500	-28.62	-10	Pass
2625	2635.285	1	CHP	3	2625.400	-34.95	-13	Pass
2635.285	2640	1	CHP	4	2635.955	-42.02	-25	Pass

Band38_15MHz_QPSK_HCH_2612.5MHz_RB_75_0_NTNV

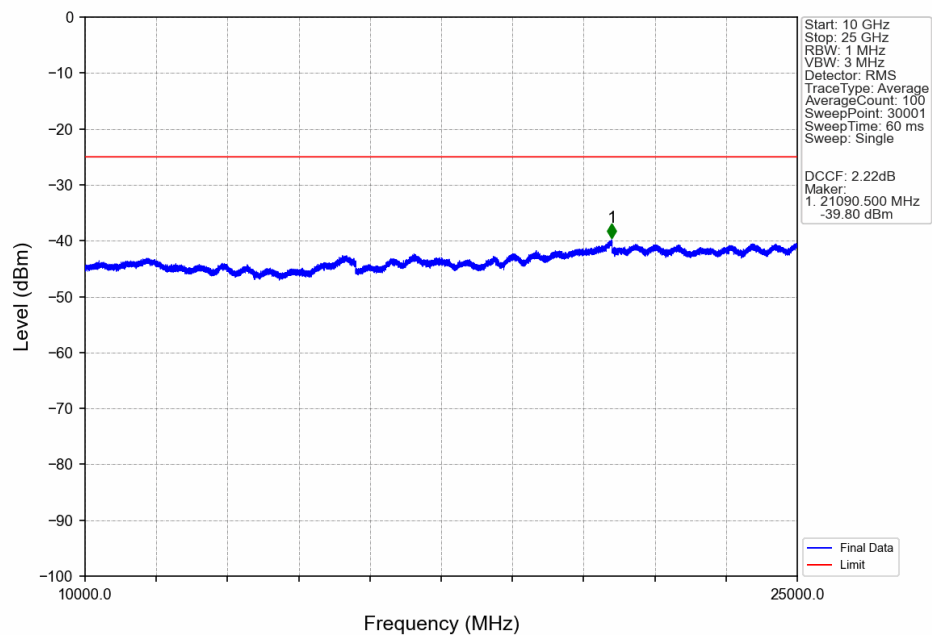


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2605	2620	0.306	CHP	/	/	/	/	/
2620	2621	0.306	CHP	1	2620.015	-23.43	-10	Pass
2621	2625	1	CHP	2	2624.985	-32.72	-10	Pass
2625	2635.285	1	CHP	3	2625.020	-32.61	-13	Pass
2635.285	2640	1	CHP	4	2635.310	-37.38	-25	Pass

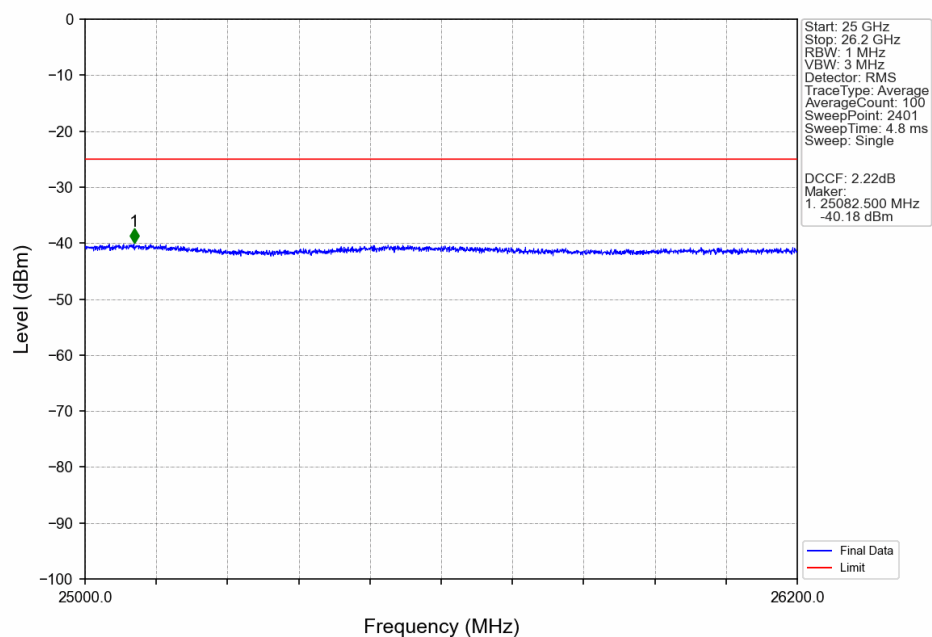
5.2.4 B38_20MHz



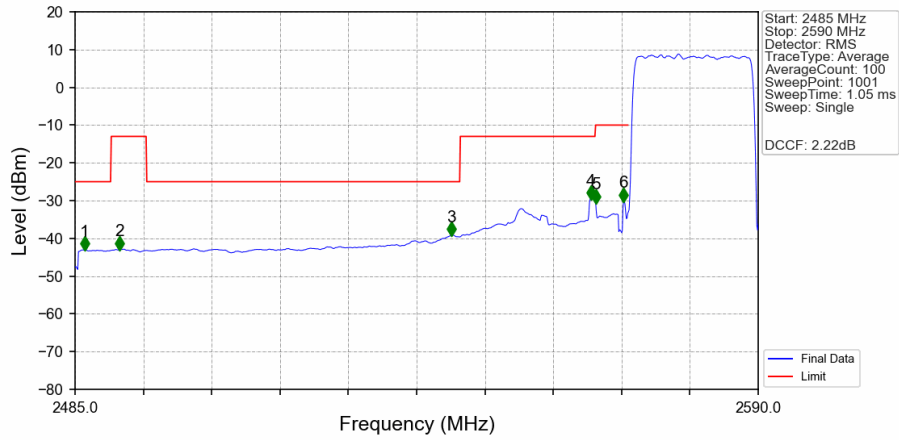
Band38_20MHz_QPSK_LCH_2580MHz_RB_1_0_NTNV



Band38_20MHz_QPSK_LCH_2580MHz_RB_1_0_NTNV

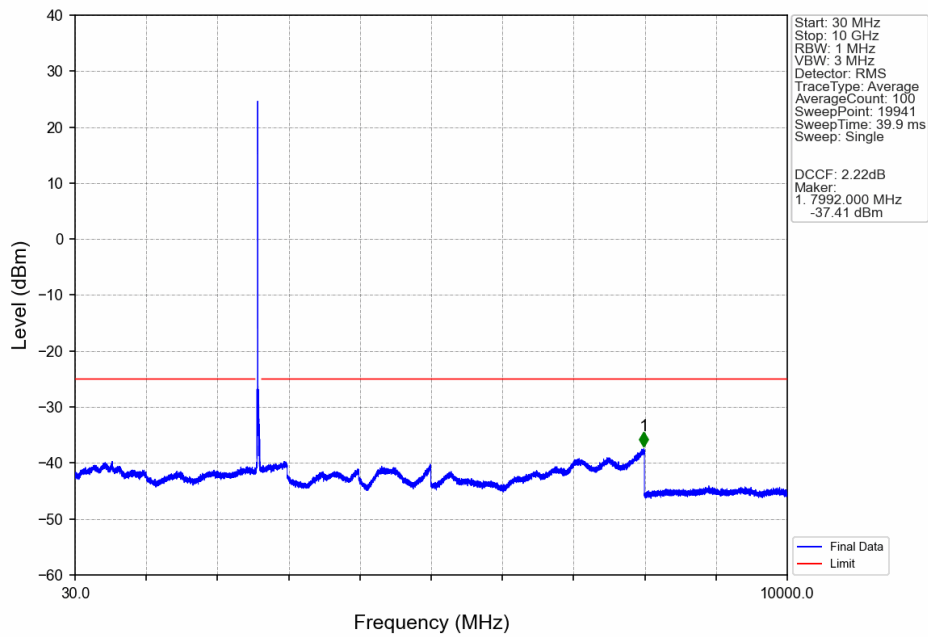


Band38_20MHz_QPSK_LCH_2580MHz_RB_100_0_NTNV

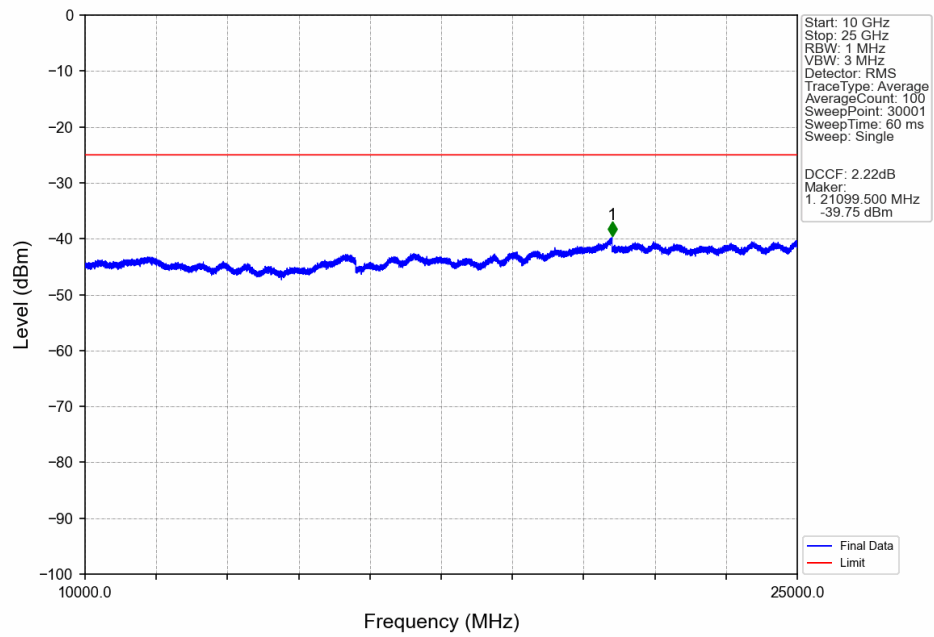


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2486.470	-42.98	-25	Pass
2490.5	2496	1	CHP	2	2491.825	-42.86	-13	Pass
2496	2544.206	1	CHP	3	2542.855	-39.12	-25	Pass
2544.206	2565	1	CHP	4	2564.275	-29.52	-13	Pass
2565	2569	1	CHP	5	2565.010	-30.45	-10	Pass
2569	2570	0.516	CHP	6	2569.315	-30.00	-10	Pass
2570	2590	0.516	CHP	/	/	/	/	/

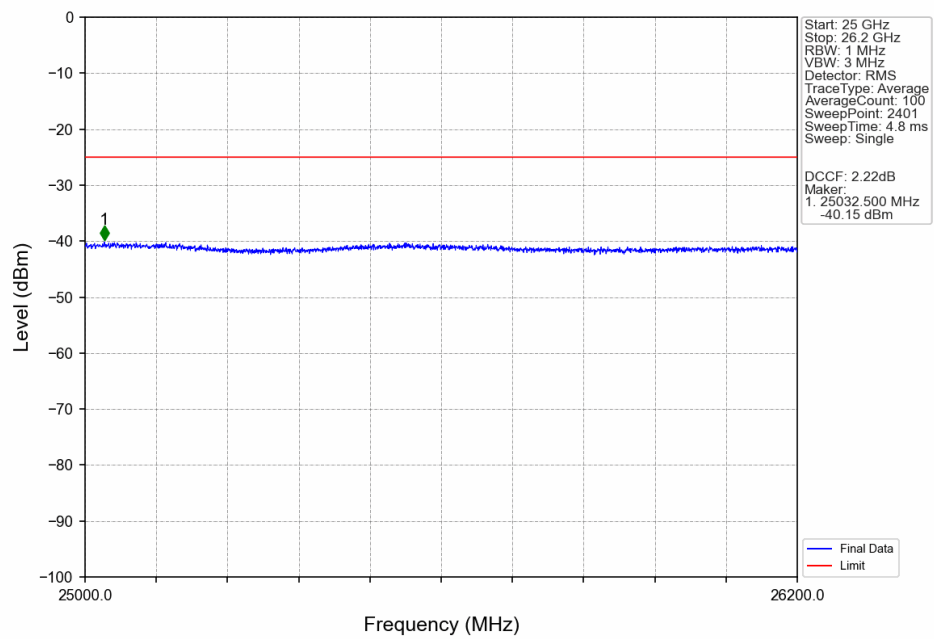
Band38_20MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



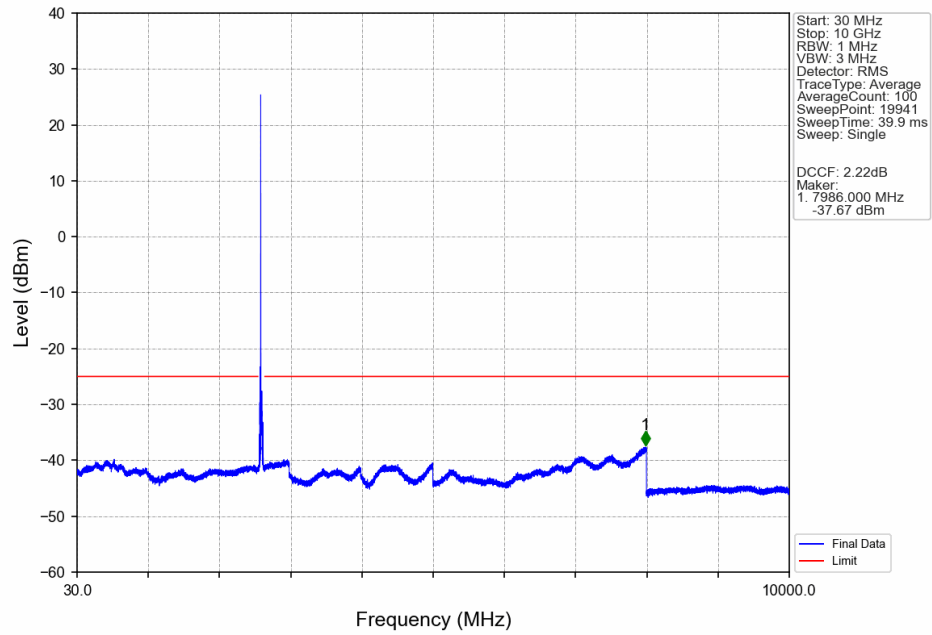
Band38_20MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



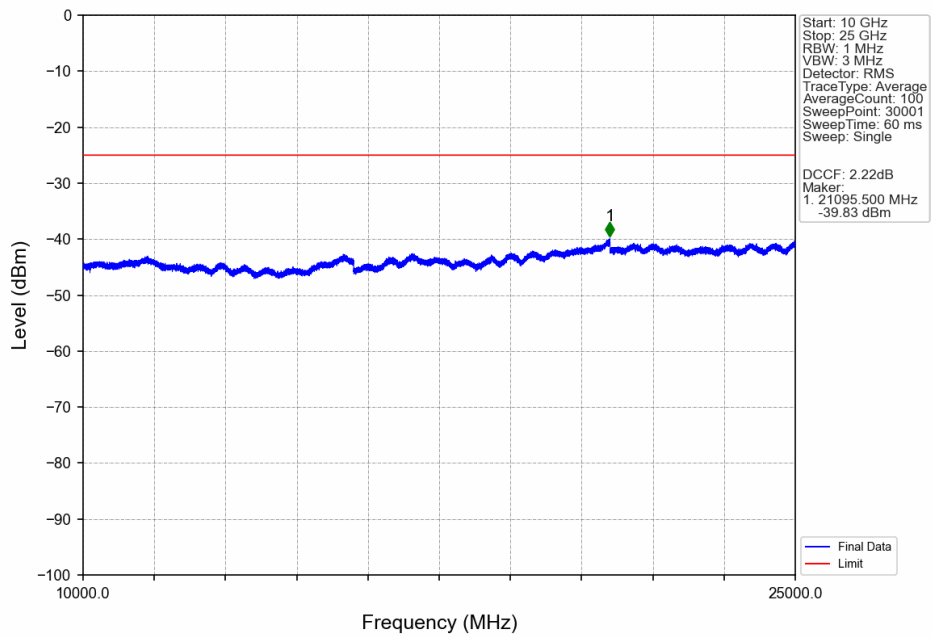
Band38_20MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



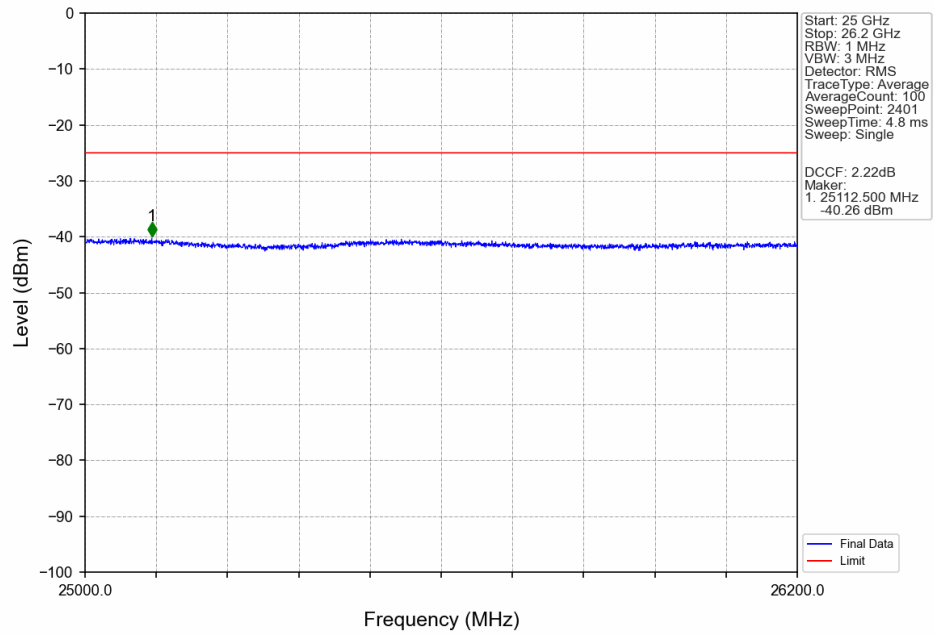
Band38_20MHz_QPSK_HCH_2610MHz_RB_1_0_NTNV



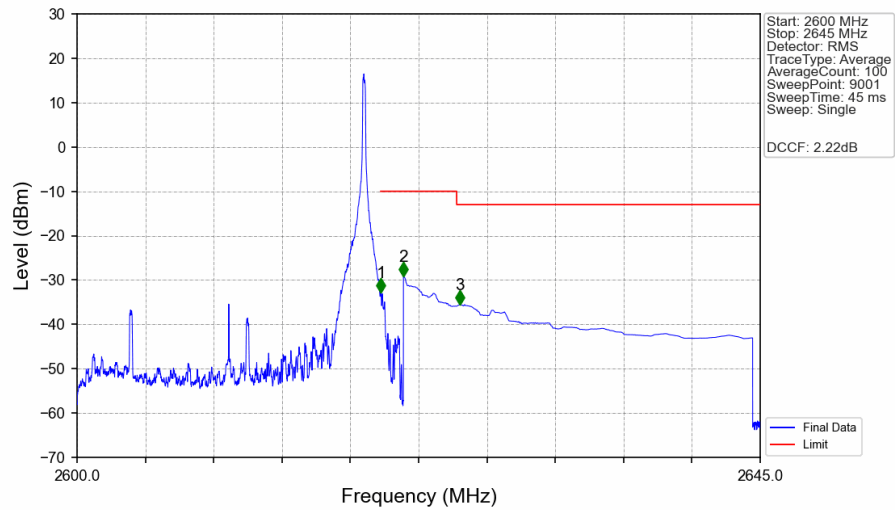
Band38_20MHz_QPSK_HCH_2610MHz_RB_1_0_NTNV



Band38_20MHz_QPSK_HCH_2610MHz_RB_1_0_NTNV

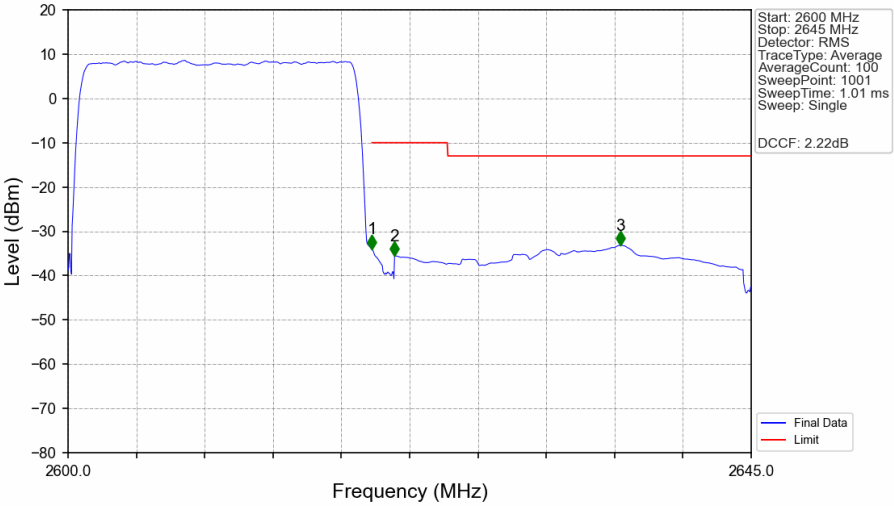


Band38_20MHz_QPSK_HCH_2610MHz_RB_1_99_NTNV



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	2620.010	-32.78	-10	Pass
2621	2625	1	CHP	2	2621.500	-29.10	-10	Pass
2625	2645	1	CHP	3	2625.205	-35.54	-13	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	0.516	CHP	/	/	/	/	/
2620	2621	0.516	CHP	1	2620.025	-33.95	-10	Pass
2621	2625	1	CHP	2	2621.510	-35.58	-10	Pass
2625	2645	1	CHP	3	2636.405	-33.16	-13	Pass

6. Field Strength of Spurious Radiation

Test Band = LTE Band 38_ TM1

Test Channel = Low

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	5142.18	50.65	-47.85	31.60	-60.86	-25.00	35.86	Horizontal
2	7713.27	49.16	-45.17	36.36	-54.91	-25.00	29.91	Horizontal
3	10284.36	47.36	-41.30	39.00	-50.20	-25.00	25.20	Horizontal
4	12855.45	49.15	-39.37	38.89	-46.60	-25.00	21.60	Horizontal
5	15426.54	51.92	-37.45	39.43	-41.36	-25.00	16.36	Horizontal
6	17997.63	50.99	-36.60	44.79	-36.08	-25.00	11.08	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	5142.18	50.25	-47.85	31.60	-61.26	-25.00	36.26	Vertical
2	7713.27	48.99	-45.17	36.36	-55.08	-25.00	30.08	Vertical
3	10284.36	47.56	-41.30	39.00	-50.00	-25.00	25.00	Vertical
4	12855.45	48.75	-39.37	38.89	-47.00	-25.00	22.00	Vertical
5	15426.54	51.25	-37.45	39.43	-42.03	-25.00	17.03	Vertical
6	17997.63	50.83	-36.60	44.79	-36.24	-25.00	11.24	Vertical

Test Band = LTE Band 38_ TM1
Test Channel = Mid

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	17921.5	51.46	-36.47	44.33	-35.95	-25.00	10.95	Horizontal
2	5172.18	50.63	-47.87	31.68	-60.82	-25.00	35.82	Horizontal
3	7758.27	48.35	-45.03	36.35	-55.60	-25.00	30.60	Horizontal
4	10344.36	47.46	-41.19	39.04	-49.95	-25.00	24.95	Horizontal
5	12930.45	49.44	-39.42	38.84	-46.40	-25.00	21.40	Horizontal
6	15516.54	51.33	-37.99	39.27	-42.65	-25.00	17.65	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	17975	52.22	-36.56	44.65	-34.95	-25.00	9.95	Vertical
2	5172.18	50.40	-47.87	31.68	-61.05	-25.00	36.05	Vertical
3	7758.27	48.22	-45.03	36.35	-55.73	-25.00	30.73	Vertical
4	10344.36	48.41	-41.19	39.04	-49.00	-25.00	24.00	Vertical
5	12930.45	48.52	-39.42	38.84	-47.32	-25.00	22.32	Vertical
6	15516.54	51.47	-37.99	39.27	-42.51	-25.00	17.51	Vertical

Test Band = LTE Band 38_ TM1
Test Channel = High

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	17977.5	52.54	-36.56	44.67	-34.62	-25.00	9.62	Horizontal
2	5202.18	50.15	-47.89	31.77	-61.23	-25.00	36.23	Horizontal
3	7803.27	47.85	-44.93	36.34	-56.00	-25.00	31.00	Horizontal
4	10404.36	48.04	-41.21	39.08	-49.35	-25.00	24.35	Horizontal
5	13005.45	47.98	-39.34	38.81	-47.81	-25.00	22.81	Horizontal
6	15606.54	51.38	-37.65	39.11	-42.42	-25.00	17.42	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	17931.5	52.40	-36.49	44.39	-34.96	-25.00	9.96	Vertical
2	5202.18	50.83	-47.89	31.77	-60.55	-25.00	35.55	Vertical
3	7803.27	48.79	-44.93	36.34	-55.06	-25.00	30.06	Vertical
4	10404.36	47.63	-41.21	39.08	-49.76	-25.00	24.76	Vertical
5	13005.45	49.43	-39.34	38.81	-46.36	-25.00	21.36	Vertical
6	15606.54	51.25	-37.65	39.11	-42.55	-25.00	17.55	Vertical