

**Appendix A.17****1. Effective (Isotropic) Radiated Power Output Data****1.1 Test Result****1.1.1 B38_5MHz_EIRP**

Band: 38 / Bandwidth: 5MHz / NTN								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	2572.5	1	0	23.82	-2.85	20.97	<=33.01	Pass
			13	23.50	-2.85	20.65	<=33.01	Pass
			24	23.16	-2.85	20.31	<=33.01	Pass
		12	0	22.38	-2.85	19.53	<=33.01	Pass
			6	22.35	-2.85	19.50	<=33.01	Pass
			13	22.32	-2.85	19.47	<=33.01	Pass
		25	0	22.43	-2.85	19.58	<=33.01	Pass
	2595	1	0	23.27	-2.85	20.42	<=33.01	Pass
			13	23.86	-2.85	21.01	<=33.01	Pass
			24	23.46	-2.85	20.61	<=33.01	Pass
		12	0	22.59	-2.85	19.74	<=33.01	Pass
			6	22.65	-2.85	19.80	<=33.01	Pass
			13	22.56	-2.85	19.71	<=33.01	Pass
		25	0	22.60	-2.85	19.75	<=33.01	Pass
	2617.5	1	0	23.41	-2.85	20.56	<=33.01	Pass
			13	23.70	-2.85	20.85	<=33.01	Pass
			24	23.50	-2.85	20.65	<=33.01	Pass
		12	0	22.66	-2.85	19.81	<=33.01	Pass
			6	22.70	-2.85	19.85	<=33.01	Pass
			13	22.66	-2.85	19.81	<=33.01	Pass
		25	0	22.69	-2.85	19.84	<=33.01	Pass
16QAM	2572.5	1	0	22.11	-2.85	19.26	<=33.01	Pass
			13	22.19	-2.85	19.34	<=33.01	Pass
			24	21.87	-2.85	19.02	<=33.01	Pass
		12	0	21.61	-2.85	18.76	<=33.01	Pass
			6	21.41	-2.85	18.56	<=33.01	Pass
			13	21.36	-2.85	18.51	<=33.01	Pass
		25	0	21.22	-2.85	18.37	<=33.01	Pass
	2595	1	0	22.72	-2.85	19.87	<=33.01	Pass
			13	22.72	-2.85	19.87	<=33.01	Pass
			24	22.03	-2.85	19.18	<=33.01	Pass
		12	0	21.56	-2.85	18.71	<=33.01	Pass
			6	21.58	-2.85	18.73	<=33.01	Pass
			13	21.52	-2.85	18.67	<=33.01	Pass
		25	0	21.72	-2.85	18.87	<=33.01	Pass
	2617.5	1	0	21.93	-2.85	19.08	<=33.01	Pass
			13	22.37	-2.85	19.52	<=33.01	Pass
			24	22.12	-2.85	19.27	<=33.01	Pass
		12	0	21.65	-2.85	18.80	<=33.01	Pass
			6	21.69	-2.85	18.84	<=33.01	Pass



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			13	21.66	-2.85	18.81	<=33.01	Pass	
		25	0	22.03	-2.85	19.18	<=33.01	Pass	
64QAM	2572.5	1	0	21.65	-2.85	18.80	<=33.01	Pass	
			13	21.57	-2.85	18.72	<=33.01	Pass	
			24	21.15	-2.85	18.30	<=33.01	Pass	
		12	0	21.38	-2.85	18.53	<=33.01	Pass	
			6	21.49	-2.85	18.64	<=33.01	Pass	
			13	21.24	-2.85	18.39	<=33.01	Pass	
		25	0	21.35	-2.85	18.50	<=33.01	Pass	
		2595	1	0	21.72	-2.85	18.87	<=33.01	Pass
				13	21.64	-2.85	18.79	<=33.01	Pass
				24	21.43	-2.85	18.58	<=33.01	Pass
	12		0	21.58	-2.85	18.73	<=33.01	Pass	
			6	21.62	-2.85	18.77	<=33.01	Pass	
			13	21.55	-2.85	18.70	<=33.01	Pass	
	25		0	21.57	-2.85	18.72	<=33.01	Pass	
	2617.5	1	0	21.69	-2.85	18.84	<=33.01	Pass	
			13	21.73	-2.85	18.88	<=33.01	Pass	
			24	21.42	-2.85	18.57	<=33.01	Pass	
		12	0	21.49	-2.85	18.64	<=33.01	Pass	
			6	21.67	-2.85	18.82	<=33.01	Pass	
			13	21.69	-2.85	18.84	<=33.01	Pass	
		25	0	21.90	-2.85	19.05	<=33.01	Pass	
	Note1: EIRP=Conducted Power+Antenna Gain								

1.1.2 B38_10MHz_EIRP

Band: 38 / Bandwidth: 10MHz / NTN								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	2575	1	0	23.52	-2.85	20.67	<=33.01	Pass
			25	23.58	-2.85	20.73	<=33.01	Pass
			49	23.34	-2.85	20.49	<=33.01	Pass
		25	0	22.61	-2.85	19.76	<=33.01	Pass
			13	22.68	-2.85	19.83	<=33.01	Pass
			25	22.70	-2.85	19.85	<=33.01	Pass
	2595	1	0	22.67	-2.85	19.82	<=33.01	Pass
			25	23.60	-2.85	20.75	<=33.01	Pass
			49	23.71	-2.85	20.86	<=33.01	Pass
		25	0	23.62	-2.85	20.77	<=33.01	Pass
			13	22.70	-2.85	19.85	<=33.01	Pass
			25	22.63	-2.85	19.78	<=33.01	Pass
	2615	1	0	22.55	-2.85	19.70	<=33.01	Pass
			25	22.63	-2.85	19.78	<=33.01	Pass
			49	22.63	-2.85	19.78	<=33.01	Pass
		25	0	22.63	-2.85	19.78	<=33.01	Pass
			13	22.50	-2.85	19.65	<=33.01	Pass
			25	22.54	-2.85	19.69	<=33.01	Pass
	2615	1	0	22.62	-2.85	19.77	<=33.01	Pass
			25	22.62	-2.85	19.77	<=33.01	Pass
			49	22.58	-2.85	19.73	<=33.01	Pass
		25	0	22.58	-2.85	19.73	<=33.01	Pass
			13	22.58	-2.85	19.73	<=33.01	Pass
			25	22.58	-2.85	19.73	<=33.01	Pass

16QAM	2575	1	0	22.51	-2.85	19.66	<=33.01	Pass
			25	22.23	-2.85	19.38	<=33.01	Pass
			49	22.02	-2.85	19.17	<=33.01	Pass
		25	0	21.65	-2.85	18.80	<=33.01	Pass
			13	21.89	-2.85	19.04	<=33.01	Pass
			25	21.88	-2.85	19.03	<=33.01	Pass
		50	0	21.73	-2.85	18.88	<=33.01	Pass
	2595	1	0	22.42	-2.85	19.57	<=33.01	Pass
			25	22.45	-2.85	19.60	<=33.01	Pass
			49	21.64	-2.85	18.79	<=33.01	Pass
		25	0	22.06	-2.85	19.21	<=33.01	Pass
			13	22.06	-2.85	19.21	<=33.01	Pass
			25	21.93	-2.85	19.08	<=33.01	Pass
		50	0	21.53	-2.85	18.68	<=33.01	Pass
	2615	1	0	22.29	-2.85	19.44	<=33.01	Pass
			25	22.27	-2.85	19.42	<=33.01	Pass
			49	22.01	-2.85	19.16	<=33.01	Pass
		25	0	21.70	-2.85	18.85	<=33.01	Pass
			13	21.76	-2.85	18.91	<=33.01	Pass
			25	21.81	-2.85	18.96	<=33.01	Pass
		50	0	21.54	-2.85	18.69	<=33.01	Pass
64QAM	2575	1	0	21.75	-2.85	18.90	<=33.01	Pass
			25	21.79	-2.85	18.94	<=33.01	Pass
			49	21.43	-2.85	18.58	<=33.01	Pass
		25	0	21.68	-2.85	18.83	<=33.01	Pass
			13	21.67	-2.85	18.82	<=33.01	Pass
			25	21.69	-2.85	18.84	<=33.01	Pass
		50	0	21.61	-2.85	18.76	<=33.01	Pass
	2595	1	0	21.59	-2.85	18.74	<=33.01	Pass
			25	21.82	-2.85	18.97	<=33.01	Pass
			49	21.26	-2.85	18.41	<=33.01	Pass
		25	0	21.88	-2.85	19.03	<=33.01	Pass
			13	21.84	-2.85	18.99	<=33.01	Pass
			25	21.84	-2.85	18.99	<=33.01	Pass
		50	0	21.57	-2.85	18.72	<=33.01	Pass
	2615	1	0	21.70	-2.85	18.85	<=33.01	Pass
			25	21.75	-2.85	18.90	<=33.01	Pass
			49	21.56	-2.85	18.71	<=33.01	Pass
		25	0	21.36	-2.85	18.51	<=33.01	Pass
			13	21.40	-2.85	18.55	<=33.01	Pass
			25	21.58	-2.85	18.73	<=33.01	Pass
		50	0	21.54	-2.85	18.69	<=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	23.52	-2.85	20.67	<=33.01	Pass
			38	23.61	-2.85	20.76	<=33.01	Pass

		36	74	23.49	-2.85	20.64	<=33.01	Pass
			0	22.73	-2.85	19.88	<=33.01	Pass
			18	22.56	-2.85	19.71	<=33.01	Pass
			39	22.50	-2.85	19.65	<=33.01	Pass
	75	1	0	22.42	-2.85	19.57	<=33.01	Pass
			0	23.50	-2.85	20.65	<=33.01	Pass
			38	23.74	-2.85	20.89	<=33.01	Pass
			74	23.46	-2.85	20.61	<=33.01	Pass
	2595	36	0	22.80	-2.85	19.95	<=33.01	Pass
			18	22.85	-2.85	20.00	<=33.01	Pass
			39	22.75	-2.85	19.90	<=33.01	Pass
			75	22.84	-2.85	19.99	<=33.01	Pass
	2612.5	1	0	23.50	-2.85	20.65	<=33.01	Pass
			38	23.54	-2.85	20.69	<=33.01	Pass
			74	23.51	-2.85	20.66	<=33.01	Pass
			0	22.76	-2.85	19.91	<=33.01	Pass
		36	18	22.65	-2.85	19.80	<=33.01	Pass
			39	22.48	-2.85	19.63	<=33.01	Pass
			75	22.51	-2.85	19.66	<=33.01	Pass
		1	0	22.13	-2.85	19.28	<=33.01	Pass
			38	22.19	-2.85	19.34	<=33.01	Pass
			74	21.69	-2.85	18.84	<=33.01	Pass
			0	21.50	-2.85	18.65	<=33.01	Pass
	2577.5	36	18	21.53	-2.85	18.68	<=33.01	Pass
			39	21.35	-2.85	18.50	<=33.01	Pass
			75	21.60	-2.85	18.75	<=33.01	Pass
	2595	1	0	22.22	-2.85	19.37	<=33.01	Pass
			38	22.32	-2.85	19.47	<=33.01	Pass
			74	21.94	-2.85	19.09	<=33.01	Pass
			0	21.55	-2.85	18.70	<=33.01	Pass
		36	18	21.61	-2.85	18.76	<=33.01	Pass
			39	21.55	-2.85	18.70	<=33.01	Pass
			75	21.55	-2.85	18.70	<=33.01	Pass
	2612.5	1	0	21.81	-2.85	18.96	<=33.01	Pass
			38	22.51	-2.85	19.66	<=33.01	Pass
			74	21.91	-2.85	19.06	<=33.01	Pass
			0	21.73	-2.85	18.88	<=33.01	Pass
16QAM		36	18	21.71	-2.85	18.86	<=33.01	Pass
			39	21.52	-2.85	18.67	<=33.01	Pass
			75	21.55	-2.85	18.70	<=33.01	Pass
		1	0	22.06	-2.85	19.21	<=33.01	Pass
			38	21.57	-2.85	18.72	<=33.01	Pass
			74	21.34	-2.85	18.49	<=33.01	Pass
	2577.5	36	0	21.58	-2.85	18.73	<=33.01	Pass
			18	21.57	-2.85	18.72	<=33.01	Pass
			39	21.56	-2.85	18.71	<=33.01	Pass
			75	21.44	-2.85	18.59	<=33.01	Pass
	2595	1	0	21.65	-2.85	18.80	<=33.01	Pass
			38	21.65	-2.85	18.80	<=33.01	Pass
			74	21.59	-2.85	18.74	<=33.01	Pass
			0	21.69	-2.85	18.84	<=33.01	Pass
		36	18	21.75	-2.85	18.90	<=33.01	Pass
			39	21.69	-2.85	18.84	<=33.01	Pass
64QAM		1	0	22.06	-2.85	19.21	<=33.01	Pass
			38	21.57	-2.85	18.72	<=33.01	Pass
			74	21.34	-2.85	18.49	<=33.01	Pass
	2577.5	36	0	21.58	-2.85	18.73	<=33.01	Pass
			18	21.57	-2.85	18.72	<=33.01	Pass
			39	21.56	-2.85	18.71	<=33.01	Pass
			75	21.44	-2.85	18.59	<=33.01	Pass
	2595	1	0	21.65	-2.85	18.80	<=33.01	Pass
			38	21.65	-2.85	18.80	<=33.01	Pass
			74	21.59	-2.85	18.74	<=33.01	Pass
			0	21.69	-2.85	18.84	<=33.01	Pass
		36	18	21.75	-2.85	18.90	<=33.01	Pass
			39	21.69	-2.85	18.84	<=33.01	Pass



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	2612.5	75	0	21.55	-2.85	18.70	<=33.01	Pass
		1	0	21.80	-2.85	18.95	<=33.01	Pass
			38	21.54	-2.85	18.69	<=33.01	Pass
			74	21.18	-2.85	18.33	<=33.01	Pass
		36	0	21.60	-2.85	18.75	<=33.01	Pass
			18	21.69	-2.85	18.84	<=33.01	Pass
			39	21.63	-2.85	18.78	<=33.01	Pass
			75	21.49	-2.85	18.64	<=33.01	Pass
		75	0	21.49	-2.85	18.64	<=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	23.26	-2.85	20.41	<=33.01	Pass
			50	23.51	-2.85	20.66	<=33.01	Pass
			99	23.40	-2.85	20.55	<=33.01	Pass
		50	0	22.57	-2.85	19.72	<=33.01	Pass
			25	22.54	-2.85	19.69	<=33.01	Pass
			50	22.41	-2.85	19.56	<=33.01	Pass
		100	0	22.47	-2.85	19.62	<=33.01	Pass
	2595	1	0	23.41	-2.85	20.56	<=33.01	Pass
			50	23.76	-2.85	20.91	<=33.01	Pass
			99	23.37	-2.85	20.52	<=33.01	Pass
		50	0	22.68	-2.85	19.83	<=33.01	Pass
			25	22.83	-2.85	19.98	<=33.01	Pass
			50	22.58	-2.85	19.73	<=33.01	Pass
		100	0	22.58	-2.85	19.73	<=33.01	Pass
	2610	1	0	23.44	-2.85	20.59	<=33.01	Pass
			50	23.97	-2.85	21.12	<=33.01	Pass
			99	23.57	-2.85	20.72	<=33.01	Pass
		50	0	22.66	-2.85	19.81	<=33.01	Pass
			25	22.61	-2.85	19.76	<=33.01	Pass
			50	22.52	-2.85	19.67	<=33.01	Pass
		100	0	22.56	-2.85	19.71	<=33.01	Pass
16QAM	2580	1	0	21.76	-2.85	18.91	<=33.01	Pass
			50	22.64	-2.85	19.79	<=33.01	Pass
			99	21.72	-2.85	18.87	<=33.01	Pass
		50	0	21.48	-2.85	18.63	<=33.01	Pass
			25	21.48	-2.85	18.63	<=33.01	Pass
			50	21.44	-2.85	18.59	<=33.01	Pass
		100	0	21.41	-2.85	18.56	<=33.01	Pass
	2595	1	0	22.02	-2.85	19.17	<=33.01	Pass
			50	22.75	-2.85	19.90	<=33.01	Pass
			99	21.79	-2.85	18.94	<=33.01	Pass
		50	0	21.72	-2.85	18.87	<=33.01	Pass
			25	21.59	-2.85	18.74	<=33.01	Pass
			50	21.48	-2.85	18.63	<=33.01	Pass
		100	0	21.54	-2.85	18.69	<=33.01	Pass
	2610	1	0	22.22	-2.85	19.37	<=33.01	Pass



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			50	22.70	-2.85	19.85	<=33.01	Pass	
			99	21.85	-2.85	19.00	<=33.01	Pass	
		50	0	21.73	-2.85	18.88	<=33.01	Pass	
			25	21.77	-2.85	18.92	<=33.01	Pass	
			50	21.79	-2.85	18.94	<=33.01	Pass	
		100	0	21.80	-2.85	18.95	<=33.01	Pass	
64QAM	2580	1	0	21.13	-2.85	18.28	<=33.01	Pass	
			50	21.73	-2.85	18.88	<=33.01	Pass	
			99	21.42	-2.85	18.57	<=33.01	Pass	
		50	0	21.49	-2.85	18.64	<=33.01	Pass	
			25	21.43	-2.85	18.58	<=33.01	Pass	
			50	21.46	-2.85	18.61	<=33.01	Pass	
	100	0	21.45	-2.85	18.60	<=33.01	Pass		
	2595	1	0	21.14	-2.85	18.29	<=33.01	Pass	
			50	21.78	-2.85	18.93	<=33.01	Pass	
			99	21.39	-2.85	18.54	<=33.01	Pass	
		50	0	21.52	-2.85	18.67	<=33.01	Pass	
			25	21.73	-2.85	18.88	<=33.01	Pass	
			50	21.60	-2.85	18.75	<=33.01	Pass	
	100	0	21.58	-2.85	18.73	<=33.01	Pass		
	2610	1	0	21.59	-2.85	18.74	<=33.01	Pass	
			50	21.92	-2.85	19.07	<=33.01	Pass	
			99	21.29	-2.85	18.44	<=33.01	Pass	
		50	0	21.60	-2.85	18.75	<=33.01	Pass	
			25	21.57	-2.85	18.72	<=33.01	Pass	
			50	21.53	-2.85	18.68	<=33.01	Pass	
	100	0	21.55	-2.85	18.70	<=33.01	Pass		
	Note1: EIRP=Conducted Power+Antenna Gain								

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	8.8	1.800	0.0007	-2.5 to 2.5	Pass
					7.7	-4.000	-0.0015	-2.5 to 2.5	Pass
					6.6	0.200	0.0001	-2.5 to 2.5	Pass
				-30	7.7	-3.100	-0.0012	-2.5 to 2.5	Pass
				-20	7.7	-1.900	-0.0007	-2.5 to 2.5	Pass
				-10	7.7	-0.900	-0.0003	-2.5 to 2.5	Pass
				0	7.7	1.700	0.0007	-2.5 to 2.5	Pass
				10	7.7	-2.000	-0.0008	-2.5 to 2.5	Pass
				30	7.7	7.700	0.0030	-2.5 to 2.5	Pass
				40	7.7	4.600	0.0018	-2.5 to 2.5	Pass
				50	7.7	0.800	0.0003	-2.5 to 2.5	Pass



3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 Band38_OBW

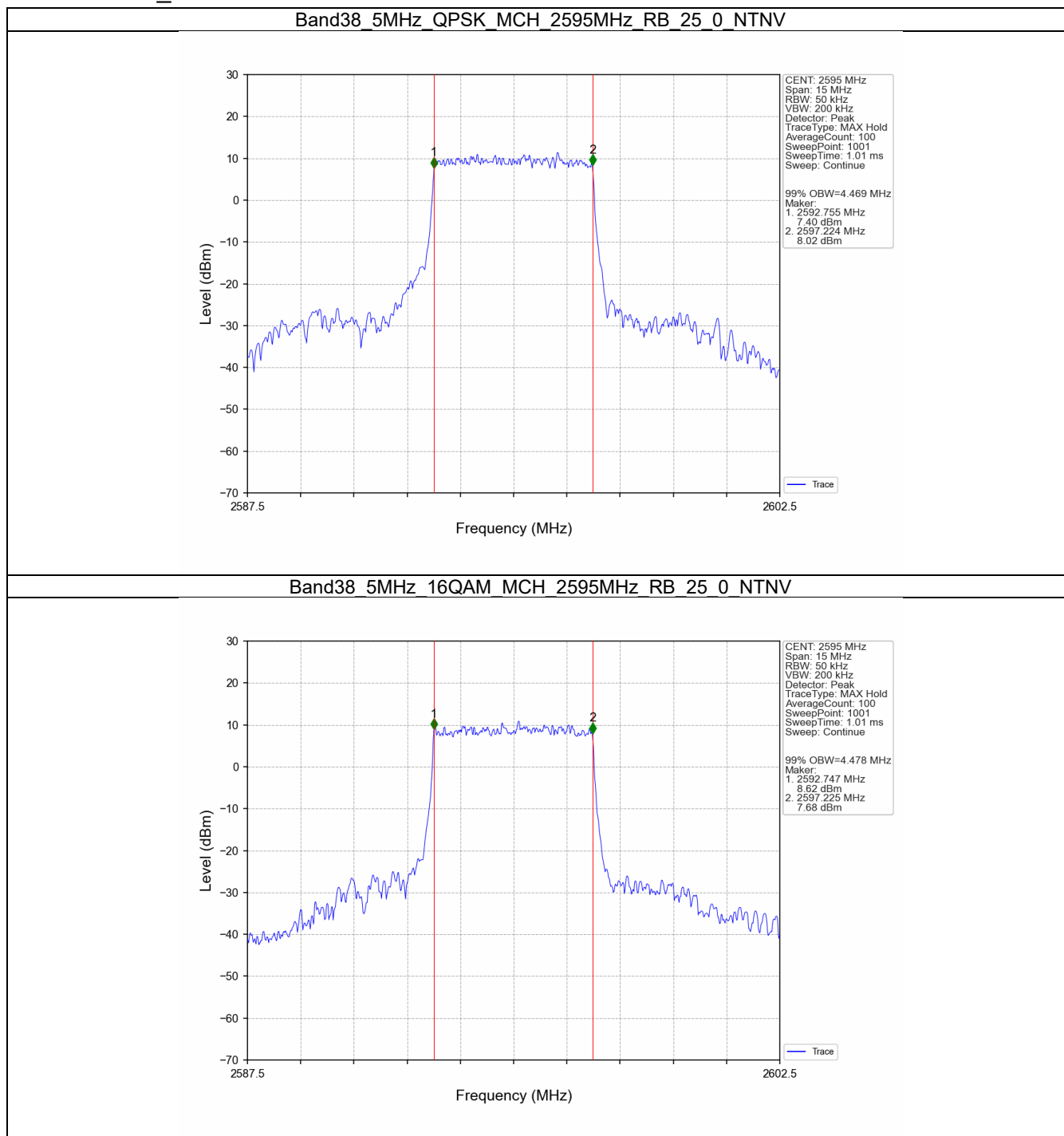
Band: 38 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2595	25	0	4.469	/	Pass
	16QAM	2595	25	0	4.478	/	Pass
	64QAM	2595	25	0	4.477	/	Pass
10	QPSK	2595	50	0	8.941	/	Pass
	16QAM	2595	50	0	8.924	/	Pass
	64QAM	2595	50	0	8.961	/	Pass
15	QPSK	2595	75	0	13.454	/	Pass
	16QAM	2595	75	0	13.428	/	Pass
	64QAM	2595	75	0	13.444	/	Pass
20	QPSK	2595	100	0	17.857	/	Pass
	16QAM	2595	100	0	17.877	/	Pass
	64QAM	2595	100	0	17.849	/	Pass

3.1.2 Band38_XDB

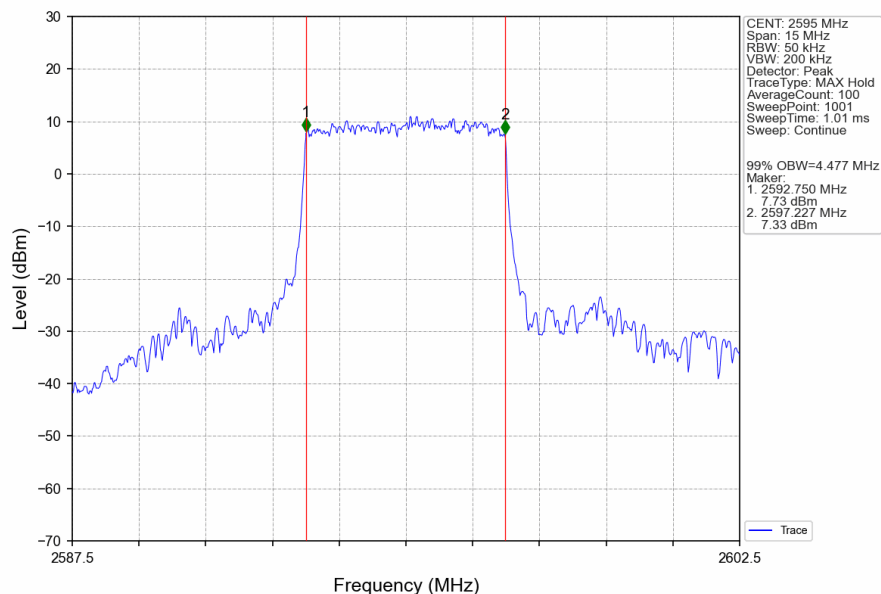
Band: 38 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2595	25	0	4.900	/	Pass
	16QAM	2595	25	0	4.877	/	Pass
	64QAM	2595	25	0	4.863	/	Pass
10	QPSK	2595	50	0	9.620	/	Pass
	16QAM	2595	50	0	9.619	/	Pass
	64QAM	2595	50	0	9.701	/	Pass
15	QPSK	2595	75	0	14.583	/	Pass
	16QAM	2595	75	0	14.929	/	Pass
	64QAM	2595	75	0	14.630	/	Pass
20	QPSK	2595	100	0	19.380	/	Pass
	16QAM	2595	100	0	19.110	/	Pass
	64QAM	2595	100	0	19.101	/	Pass

3.2 Test Graph

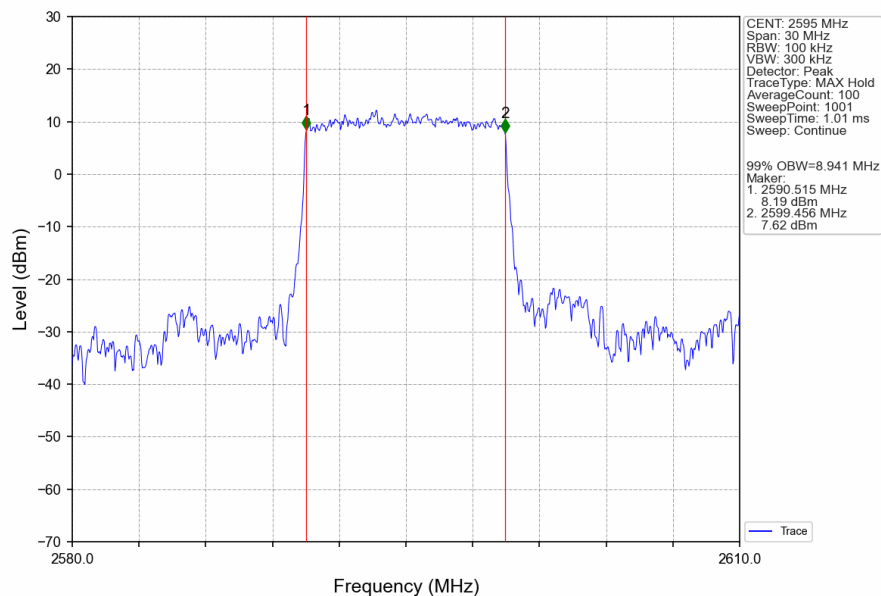
3.2.1 Band38_OBW



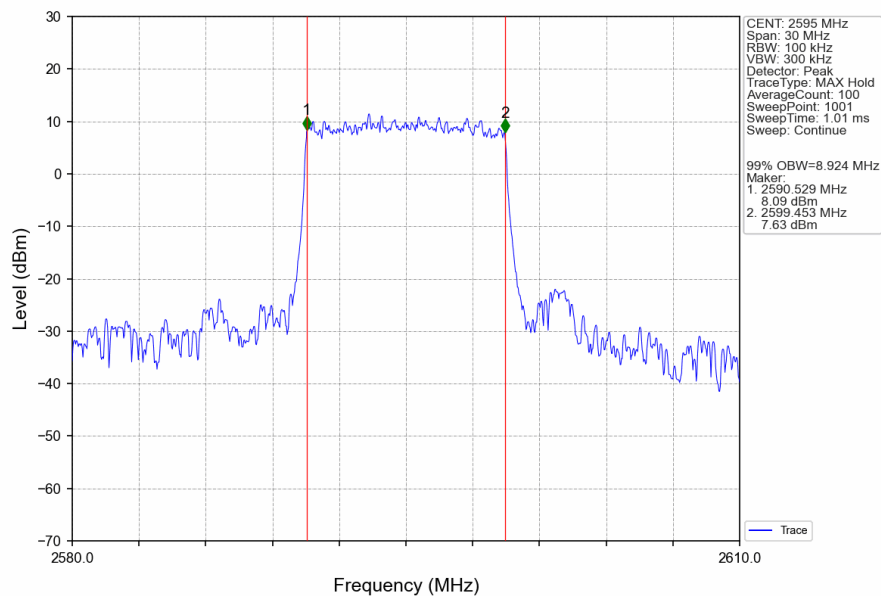
Band38_5MHz_64QAM_MCH_2595MHz_RB_25_0_NTNV



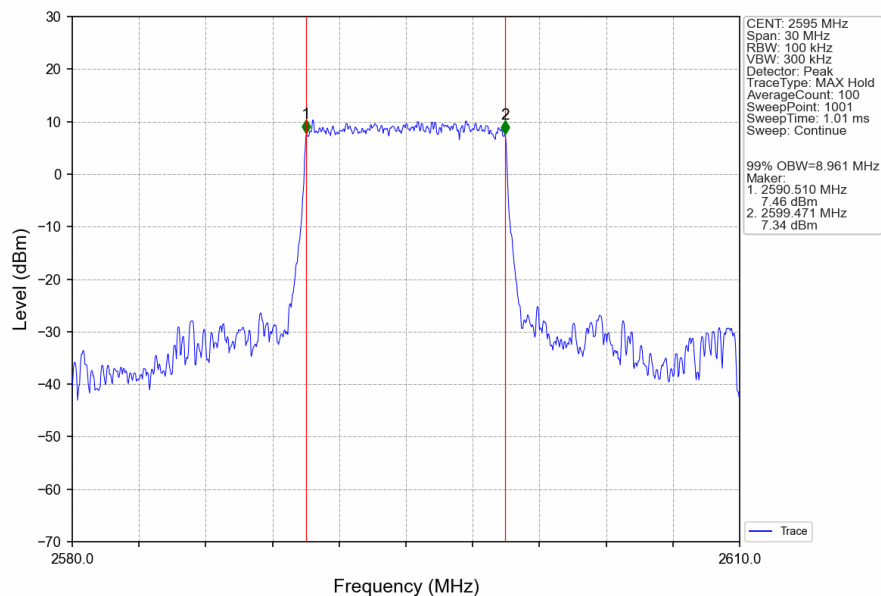
Band38_10MHz_QPSK_MCH_2595MHz_RB_50_0_NTNV



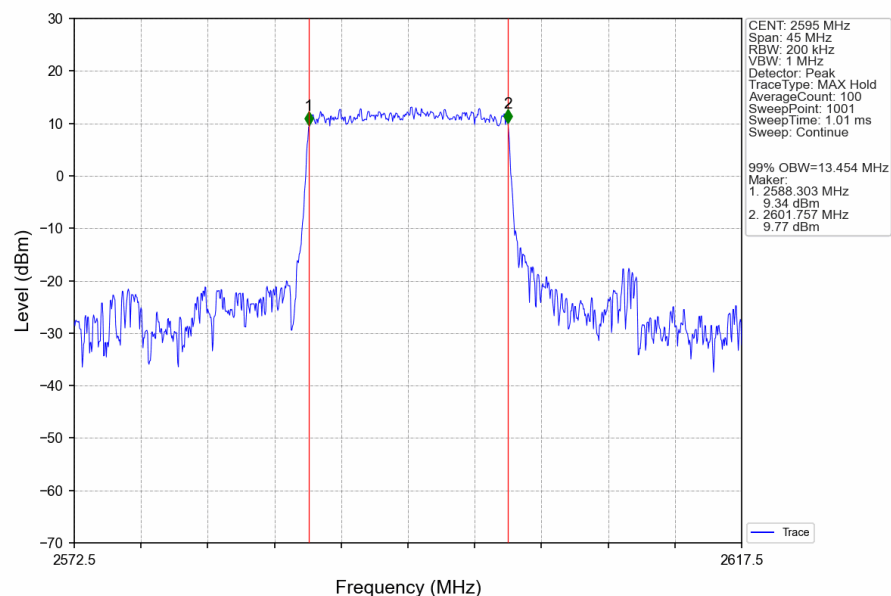
Band38_10MHz_16QAM_MCH_2595MHz_RB_50_0_NTNV



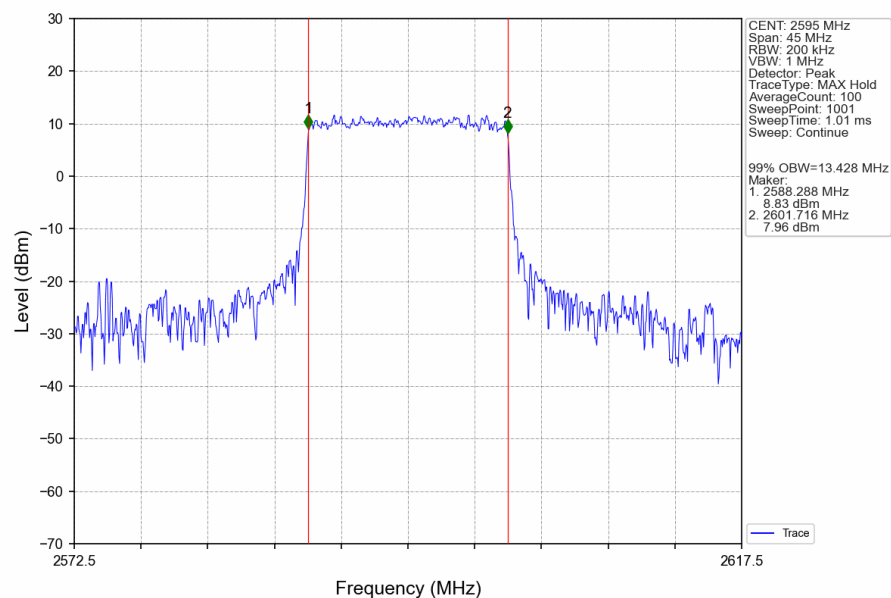
Band38_10MHz_64QAM_MCH_2595MHz_RB_50_0_NTNV



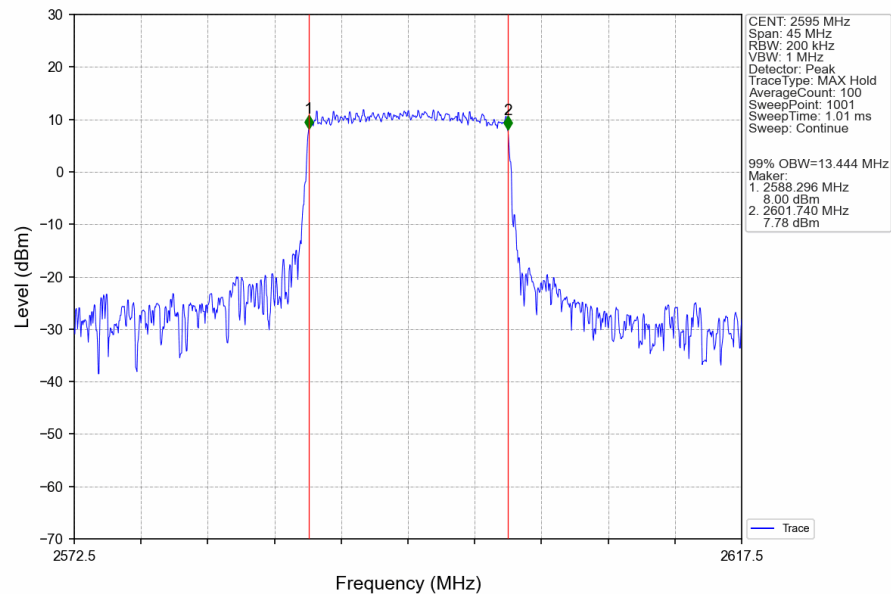
Band38_15MHz_QPSK_MCH_2595MHz_RB_75_0_NTNV



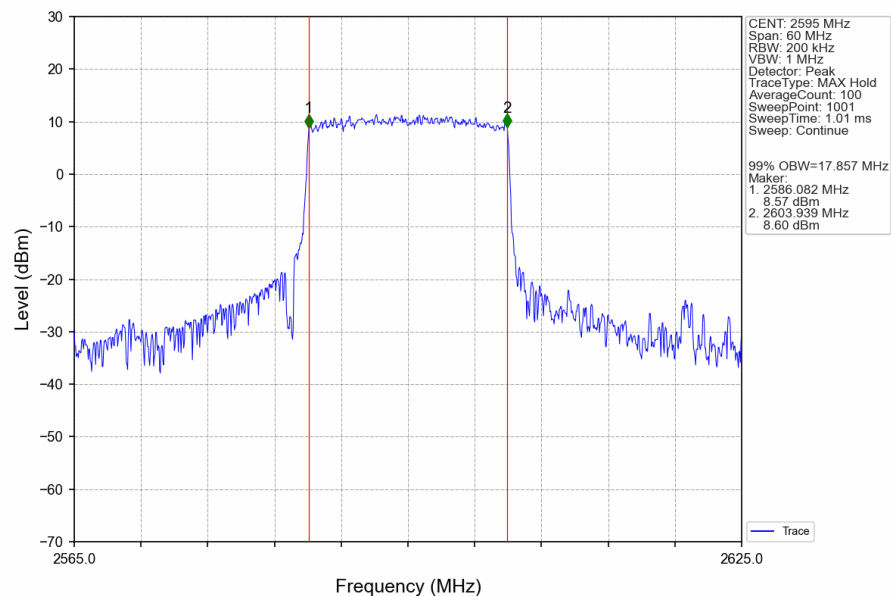
Band38_15MHz_16QAM_MCH_2595MHz_RB_75_0_NTNV



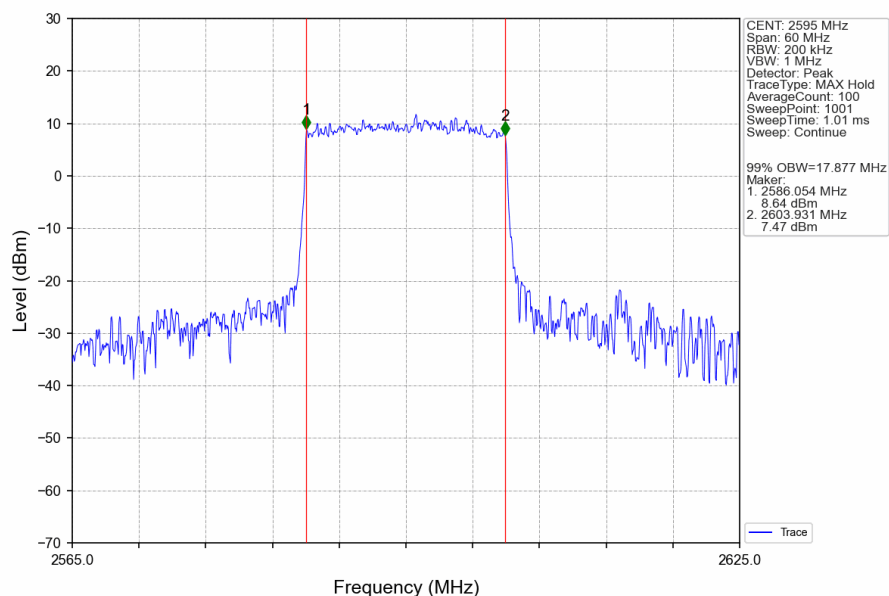
Band38_15MHz_64QAM_MCH_2595MHz_RB_75_0_NTNV



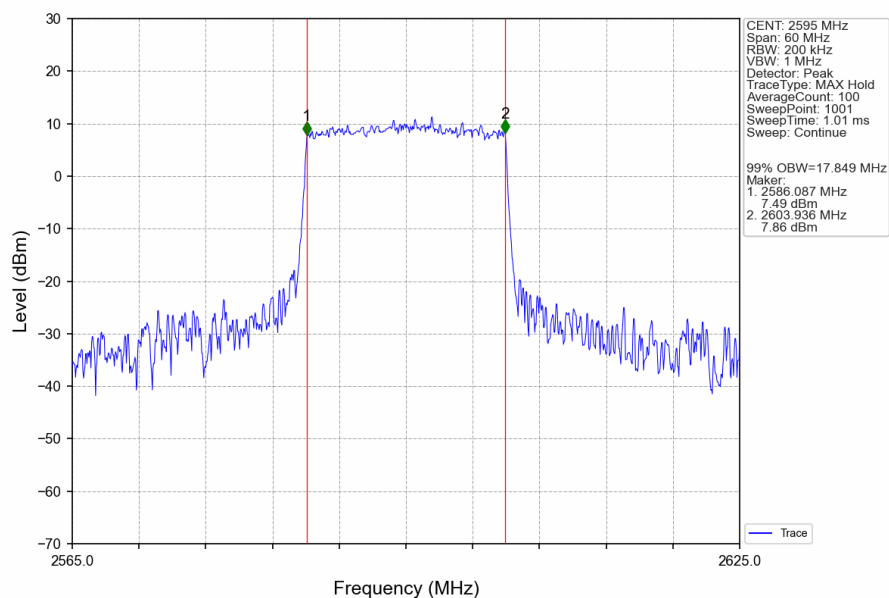
Band38_20MHz_QPSK_MCH_2595MHz_RB_100_0_NTNV



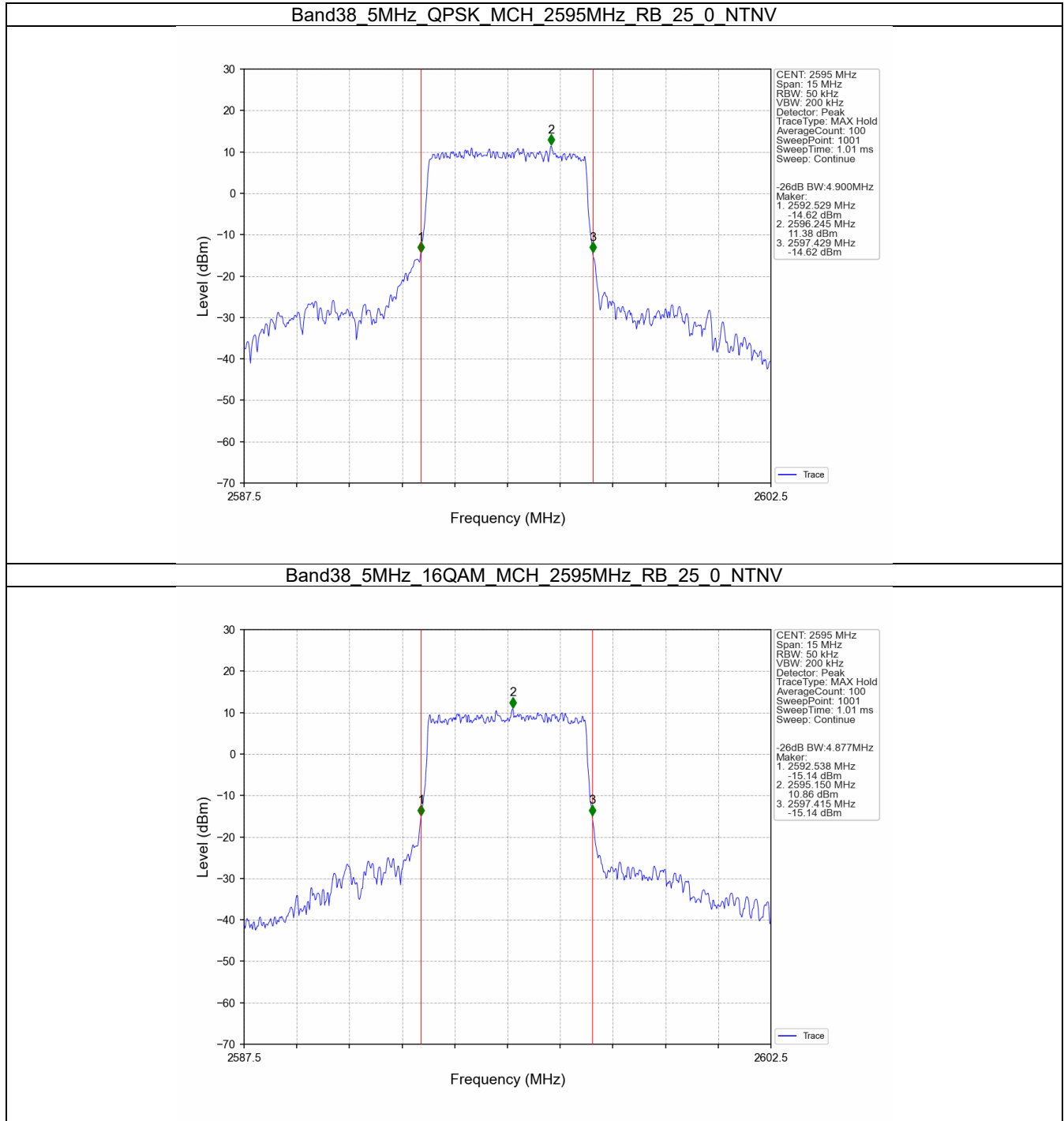
Band38_20MHz_16QAM_MCH_2595MHz_RB_100_0_NTNV



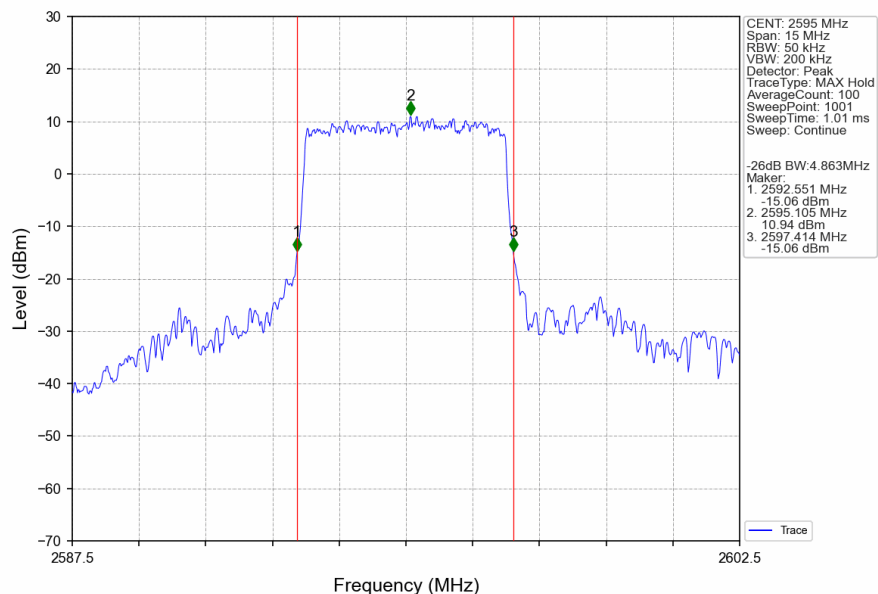
Band38_20MHz_64QAM_MCH_2595MHz_RB_100_0_NTNV



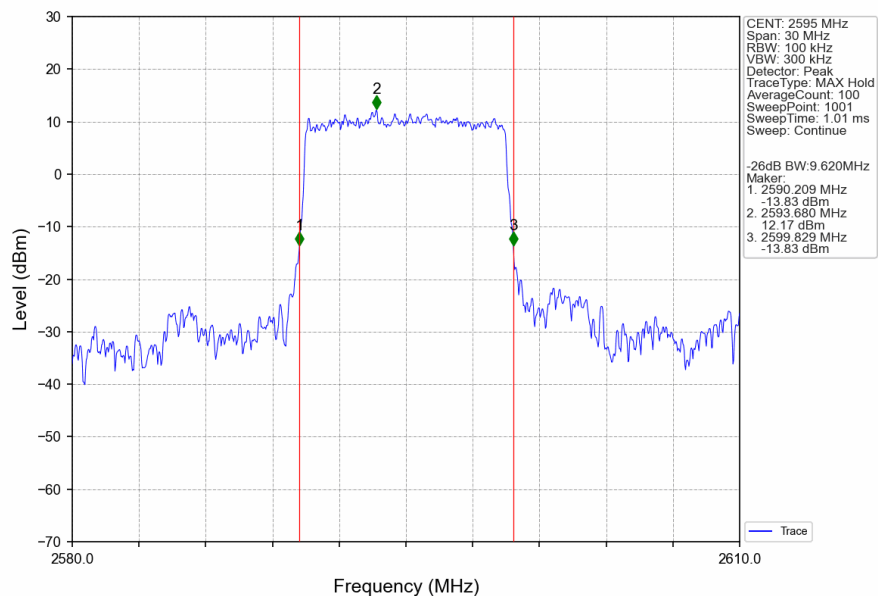
3.2.2 Band38_XDB



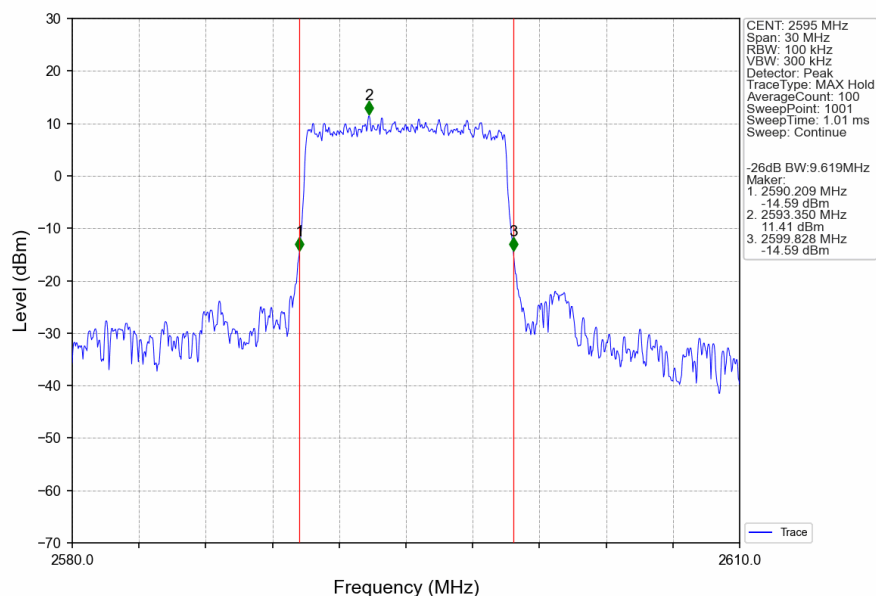
Band38_5MHz_64QAM_MCH_2595MHz_RB_25_0_NTNV



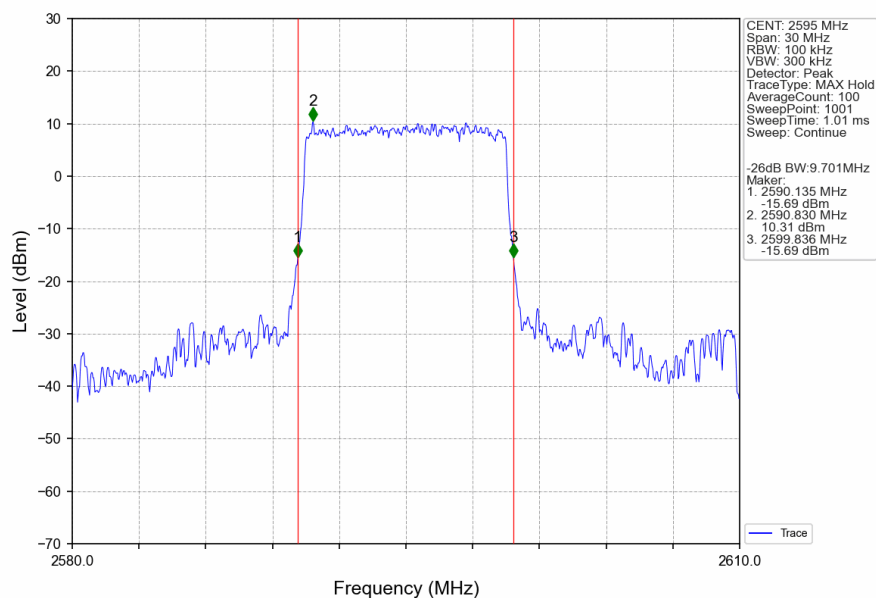
Band38_10MHz_QPSK_MCH_2595MHz_RB_50_0_NTNV



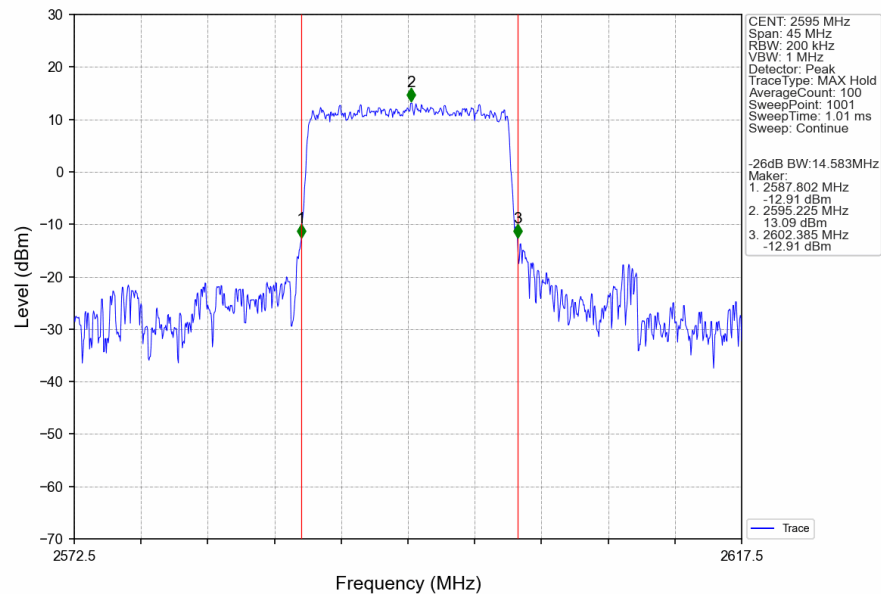
Band38_10MHz_16QAM_MCH_2595MHz_RB_50_0_NTNV



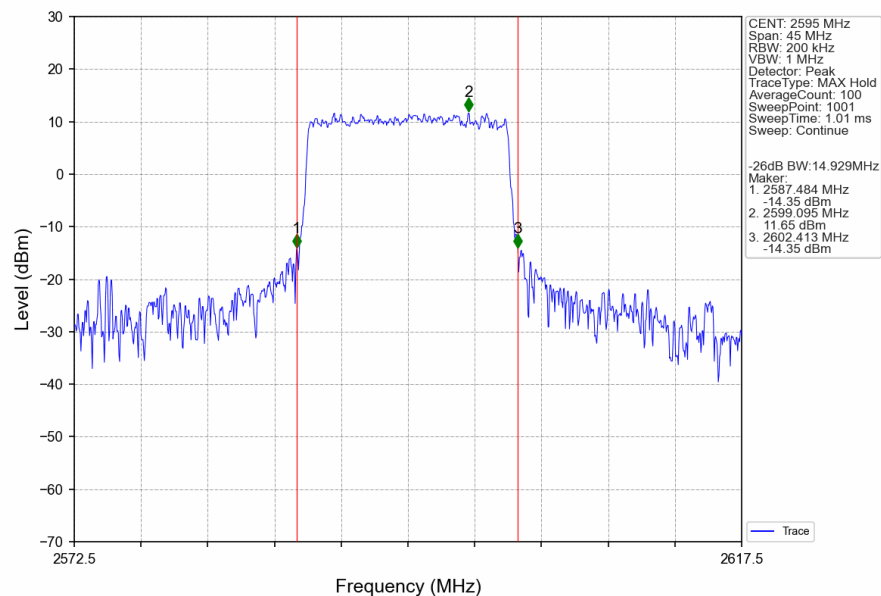
Band38_10MHz_64QAM_MCH_2595MHz_RB_50_0_NTNV



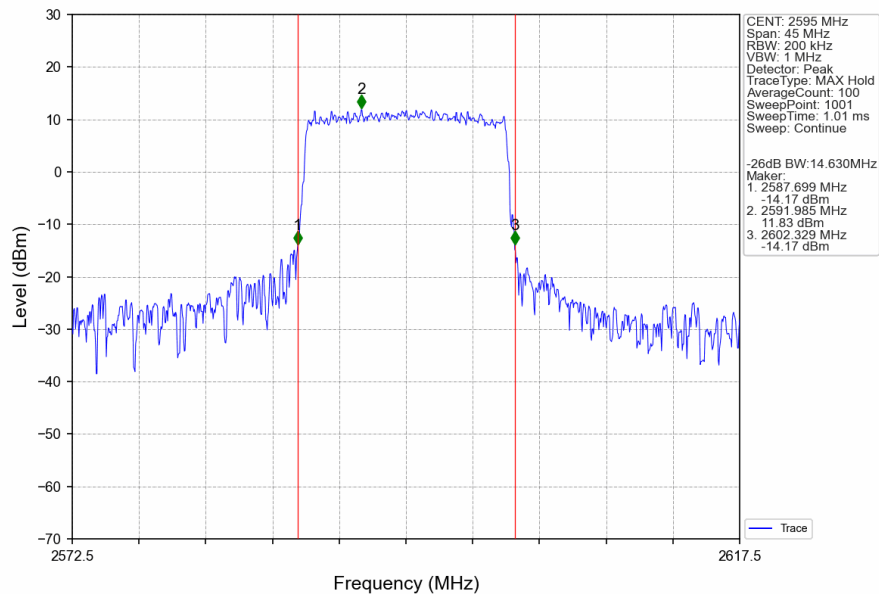
Band38_15MHz_QPSK_MCH_2595MHz_RB_75_0_NTNV



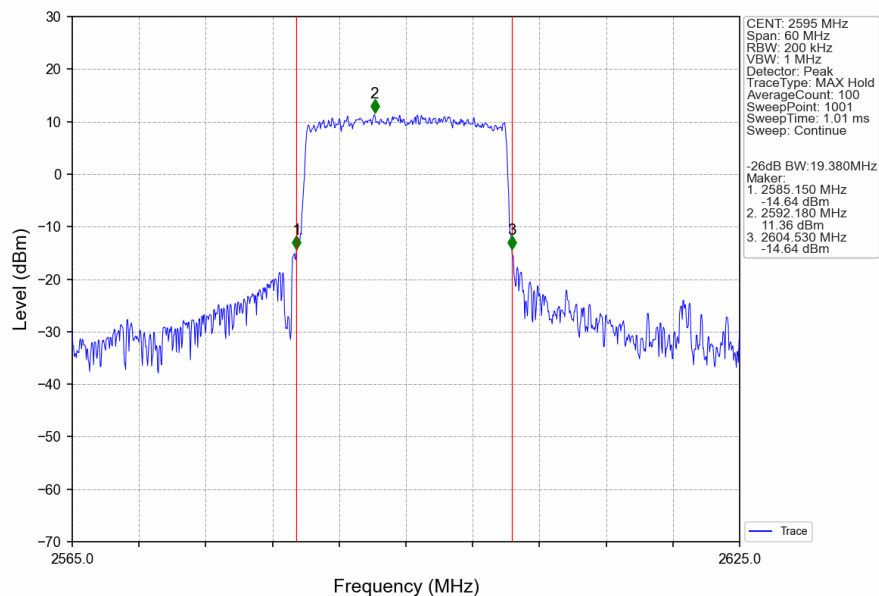
Band38_15MHz_16QAM_MCH_2595MHz_RB_75_0_NTNV



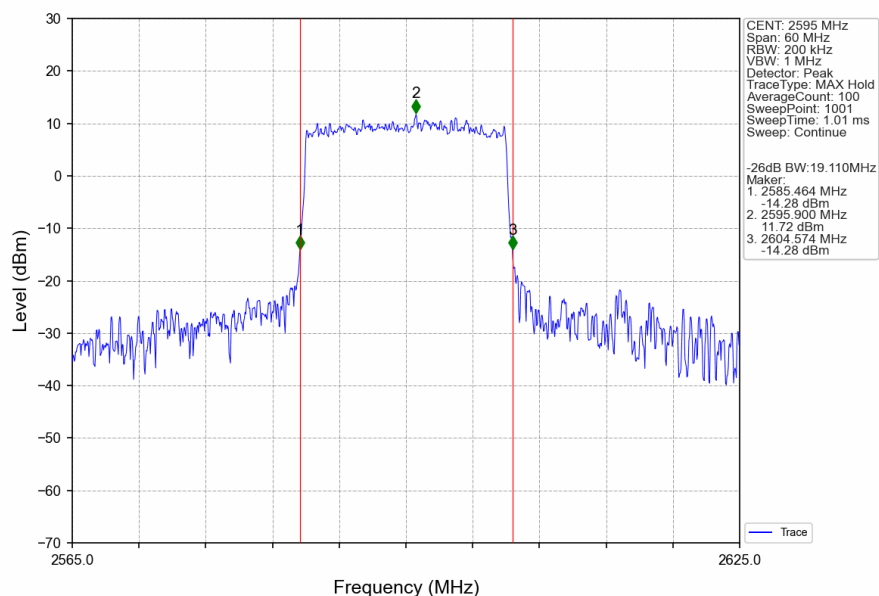
Band38_15MHz_64QAM_MCH_2595MHz_RB_75_0_NTNV



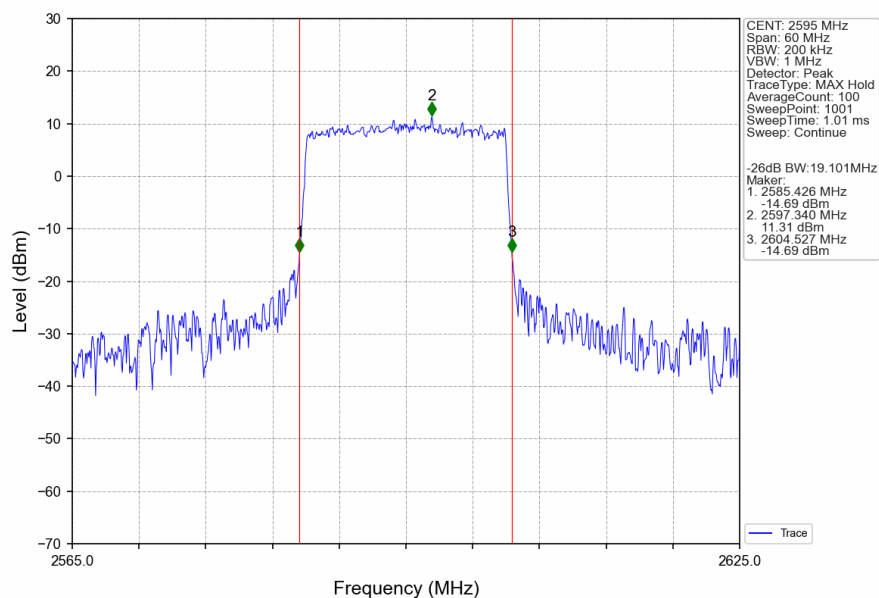
Band38_20MHz_QPSK_MCH_2595MHz_RB_100_0_NTNV



Band38_20MHz_16QAM_MCH_2595MHz_RB_100_0_NTNV



Band38_20MHz_64QAM_MCH_2595MHz_RB_100_0_NTNV





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4. Peak-Average Ratio

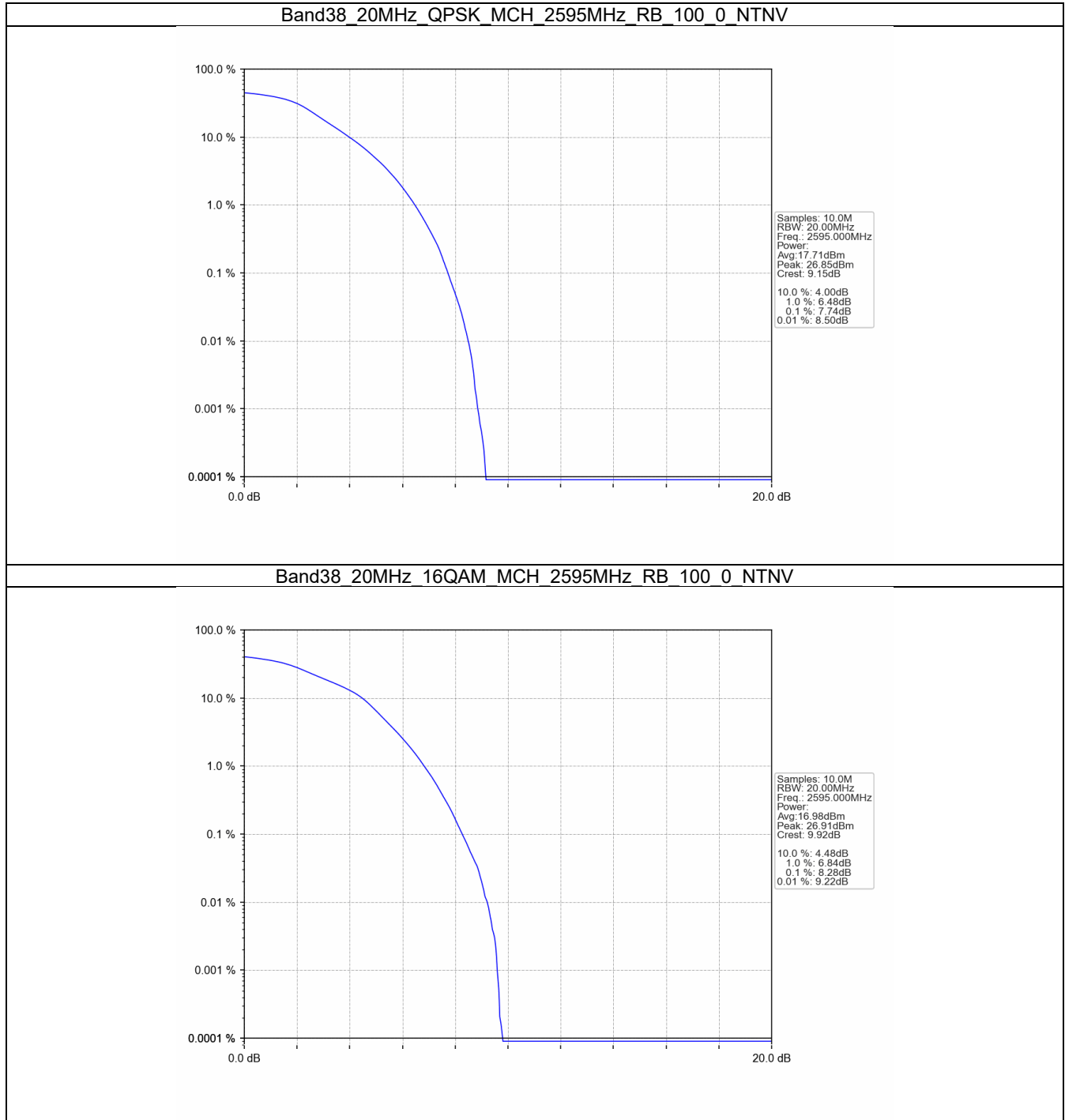
4.1 Test Result

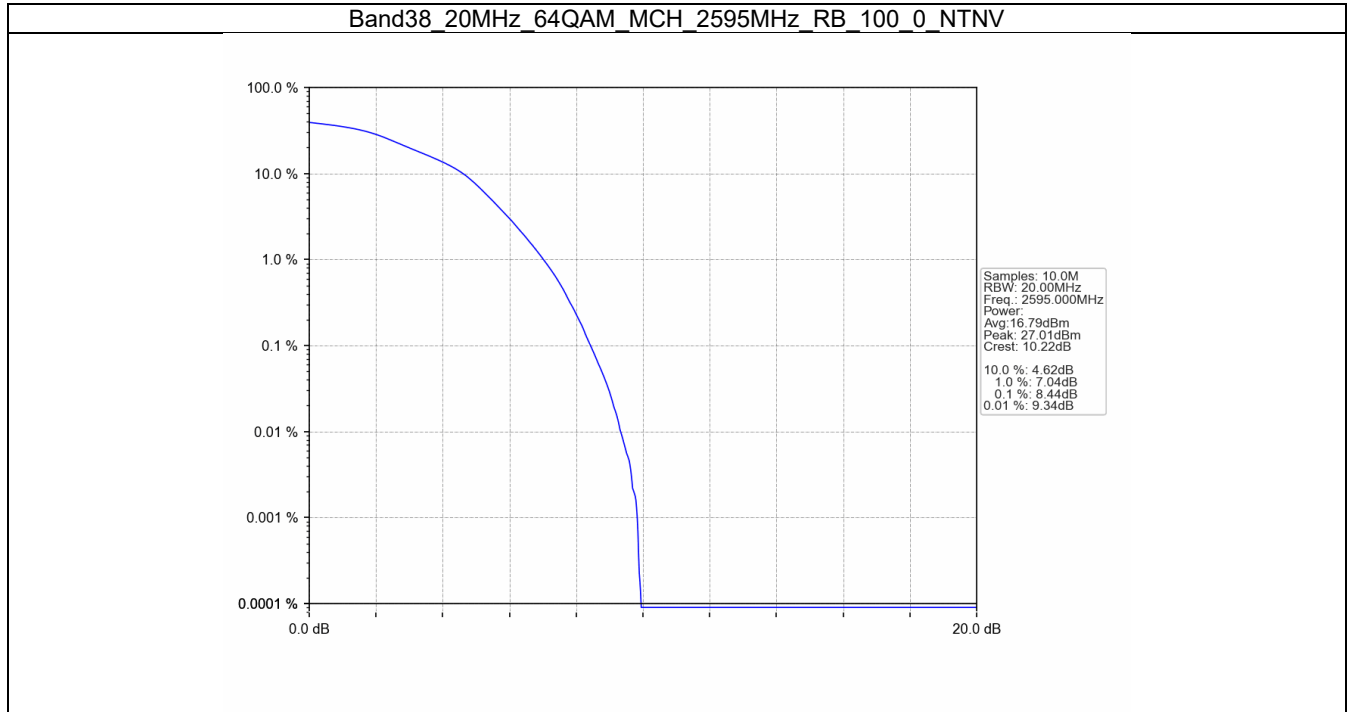
4.1.1 B38_20MHz

Band: 38 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2595	100	0	7.74	<=13	Pass
16QAM	2595	100	0	8.28	<=13	Pass
64QAM	2595	100	0	8.44	<=13	Pass

4.2 Test Graph

4.2.1 B38_20MHz







5. Spurious Emission

5.1 Test Result

5.1.1 B38_5MHz

Band: 38 / Bandwidth: 5MHz / NTNV					
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission	
		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	
		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	
		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

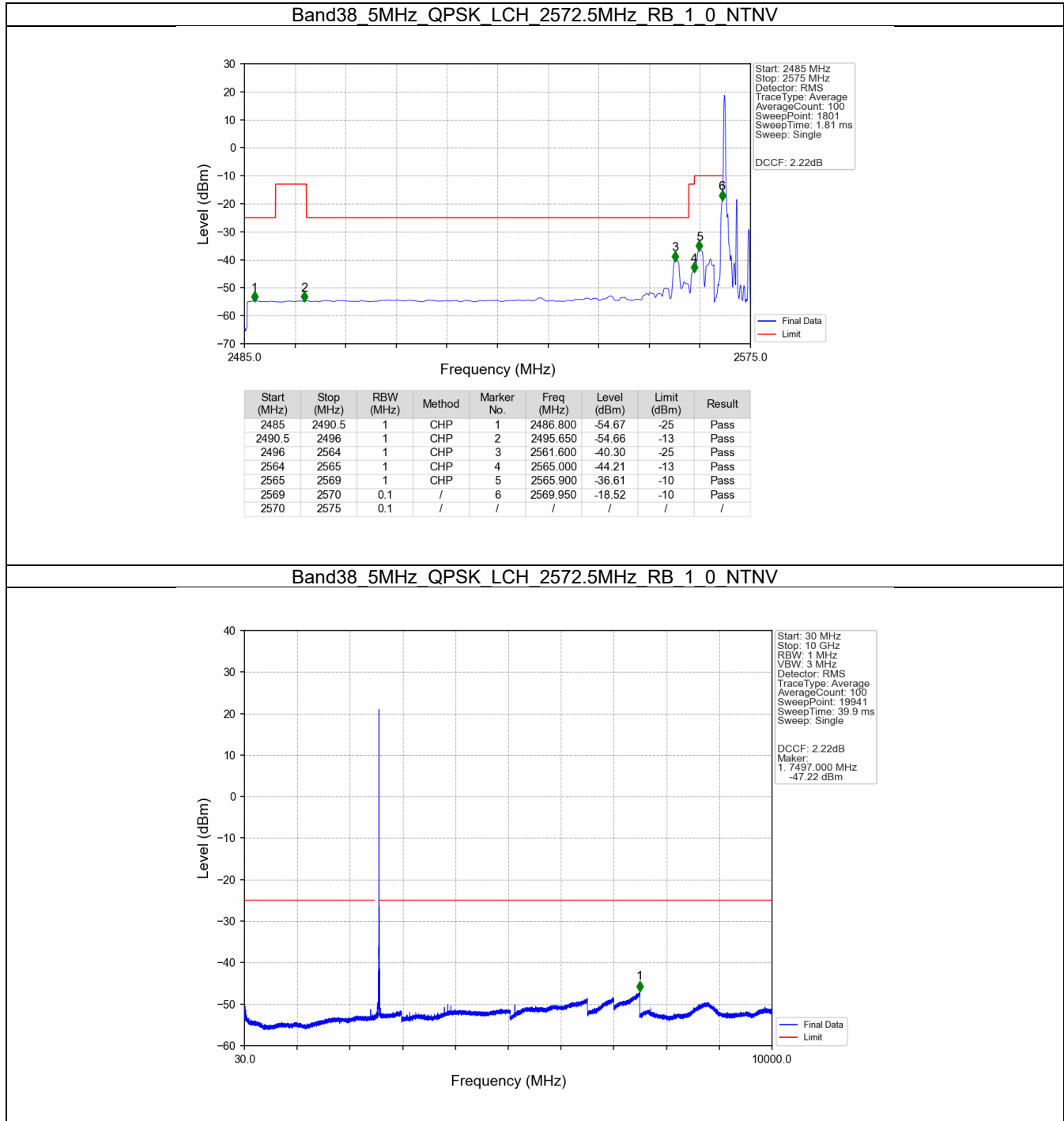
Band: 38 / Bandwidth: 20MHz / NTNV				
Modulation	Frequency	RB Allocation	Spurious Emission	Verdict



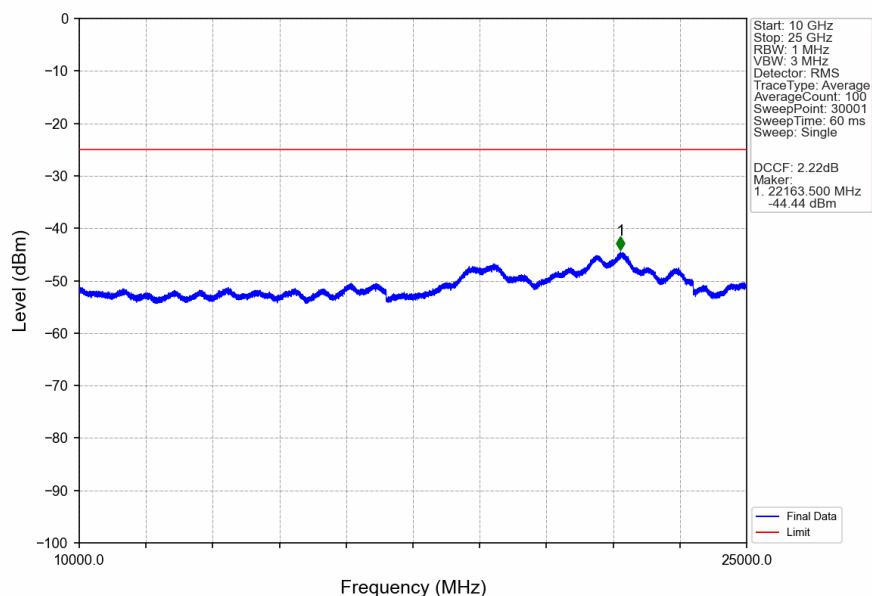
	(MHz)	Size	Offset	Result	Limit	
QPSK	2580	1	0	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	2595	1	0	Refer To Test Graph		Pass
	2610	1	0	Refer To Test Graph		Pass
			99	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass

5.2 Test Graph

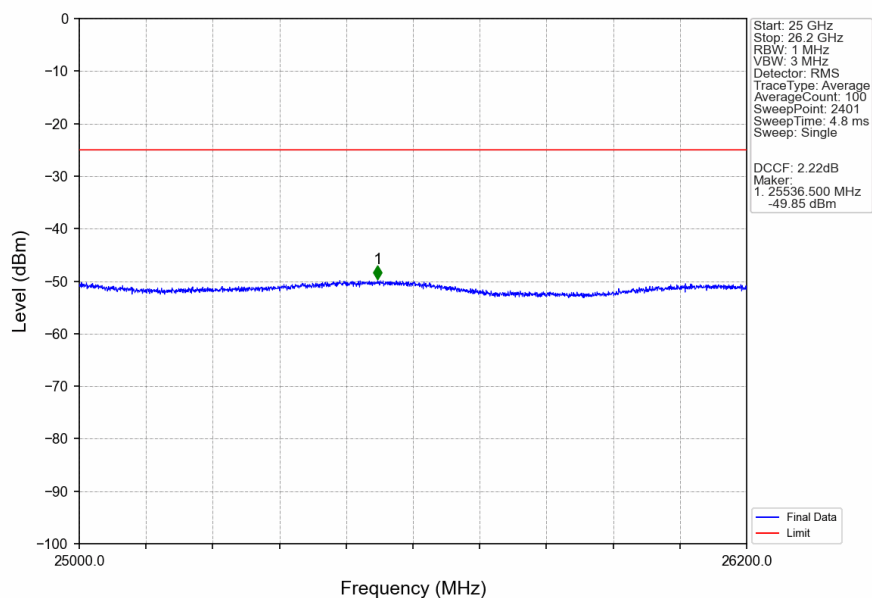
5.2.1 B38_5MHz



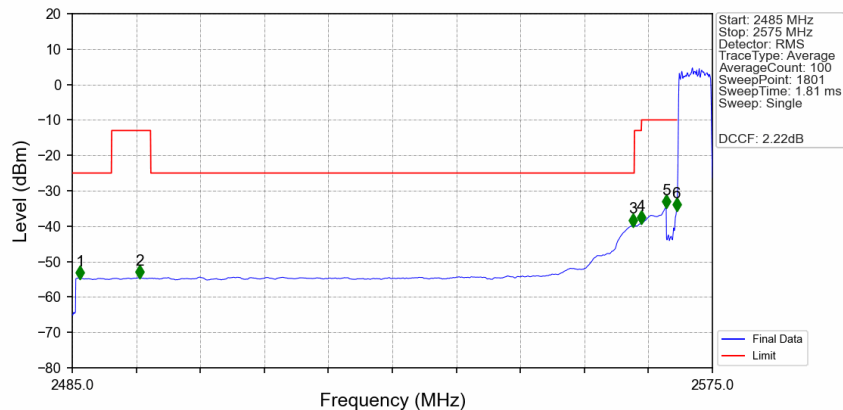
Band38_5MHz_QPSK_LCH_2572.5MHz_RB_1_0_NTNV



Band38_5MHz_QPSK_LCH_2572.5MHz_RB_1_0_NTNV

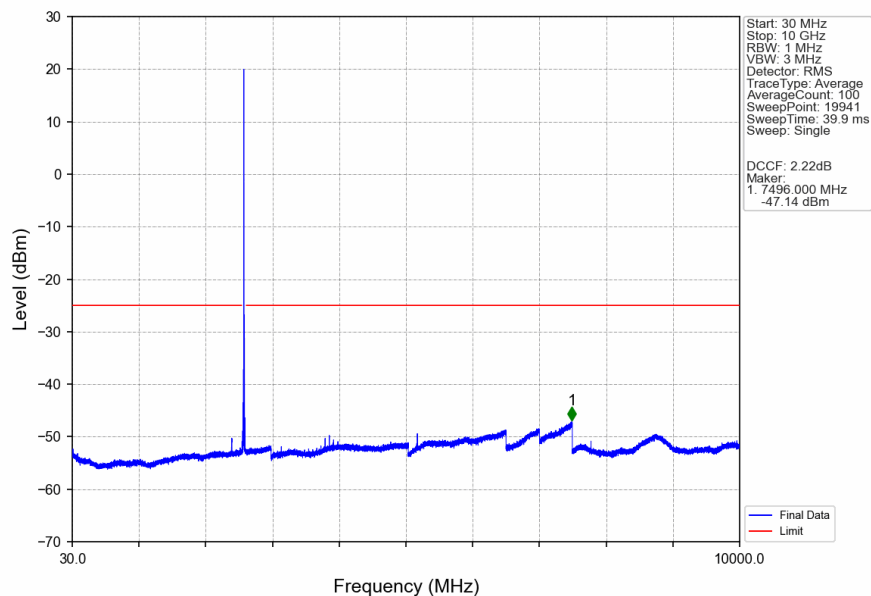


Band38_5MHz_QPSK_LCH_2572.5MHz_RB_25_0_NTNV

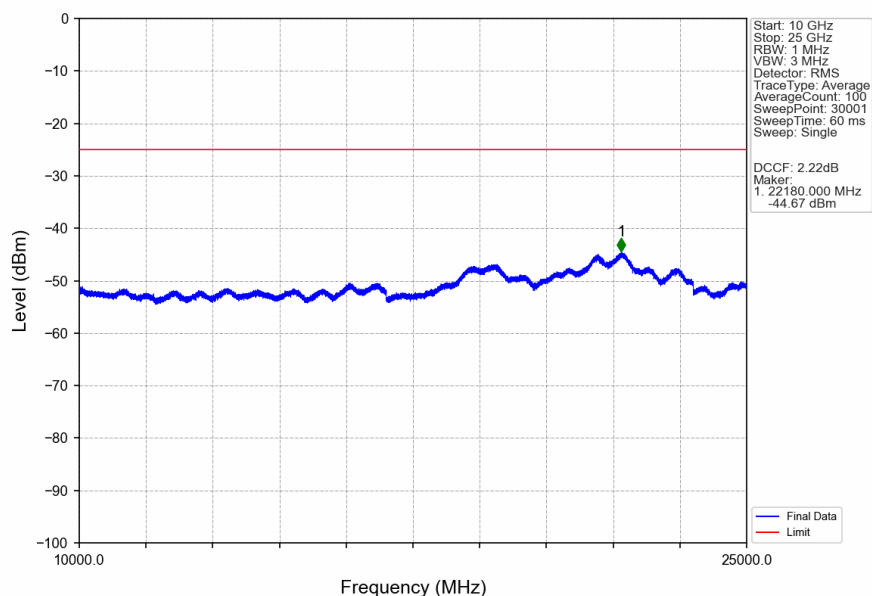


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2486.100	-54.65	-25	Pass
2490.5	2496	1	CHP	2	2494.450	-54.54	-13	Pass
2496	2564	1	CHP	3	2563.850	-39.86	-25	Pass
2564	2565	1	CHP	4	2565.000	-39.14	-13	Pass
2565	2569	1	CHP	5	2568.500	-34.64	-10	Pass
2569	2570	0.1	/	6	2569.950	-35.39	-10	Pass
2570	2575	0.1	/	/	/	/	/	/

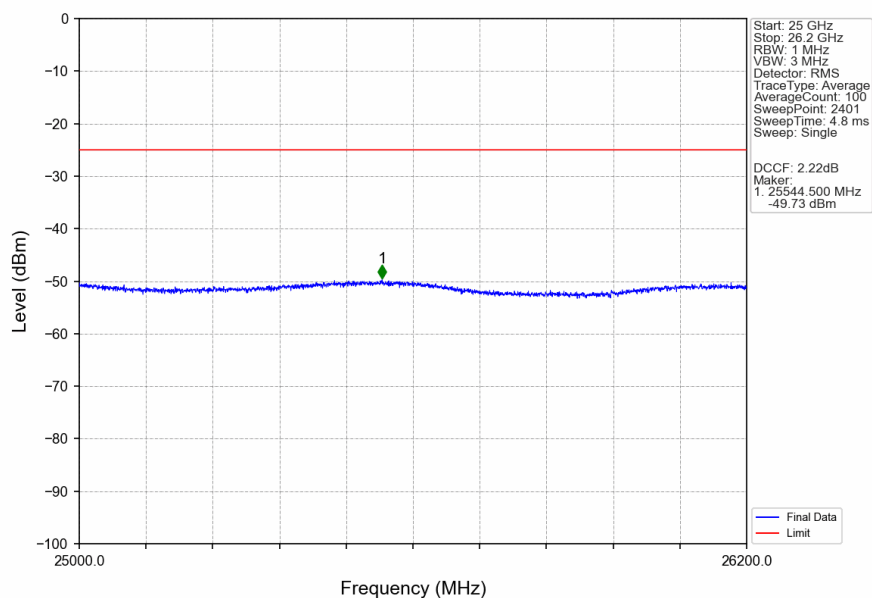
Band38_5MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



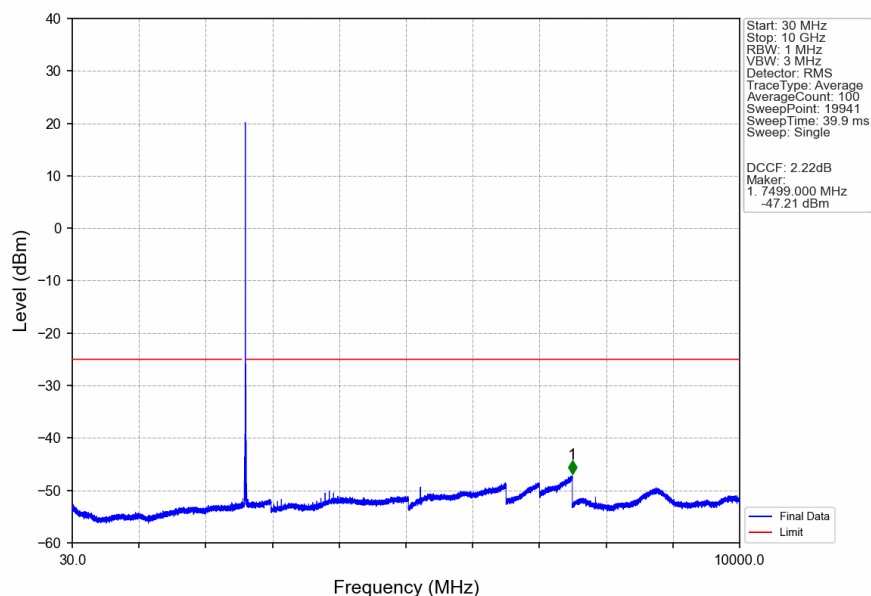
Band38_5MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



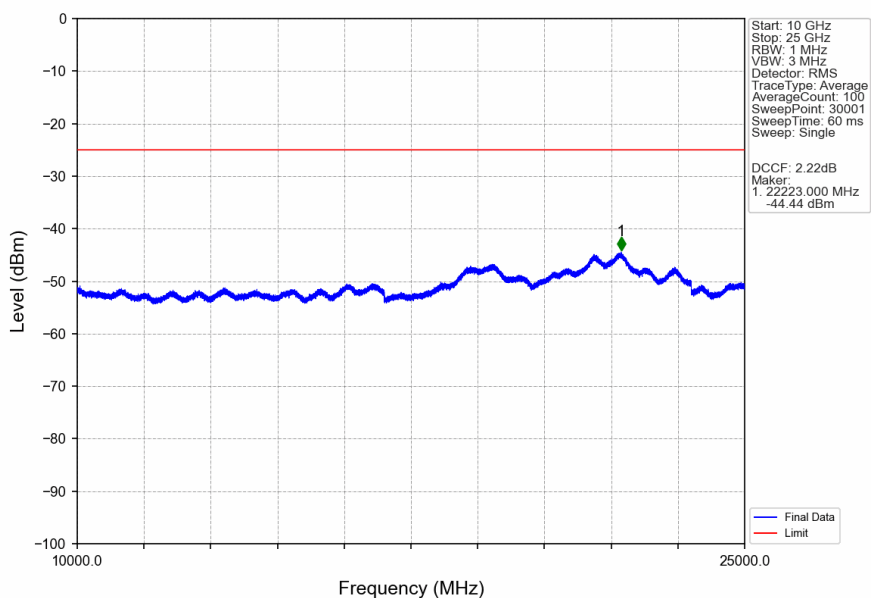
Band38_5MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



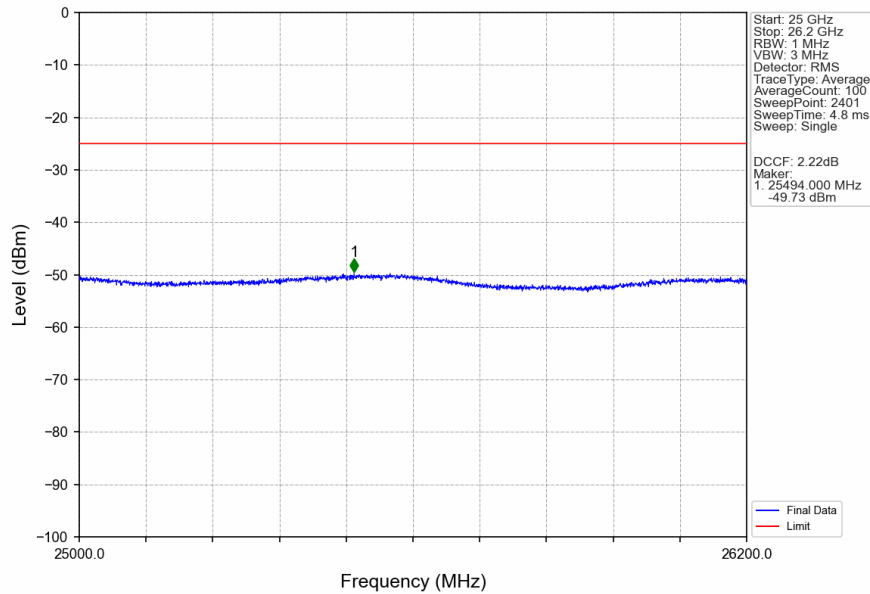
Band38_5MHz_QPSK_HCH_2617.5MHz_RB_1_0_NTNV



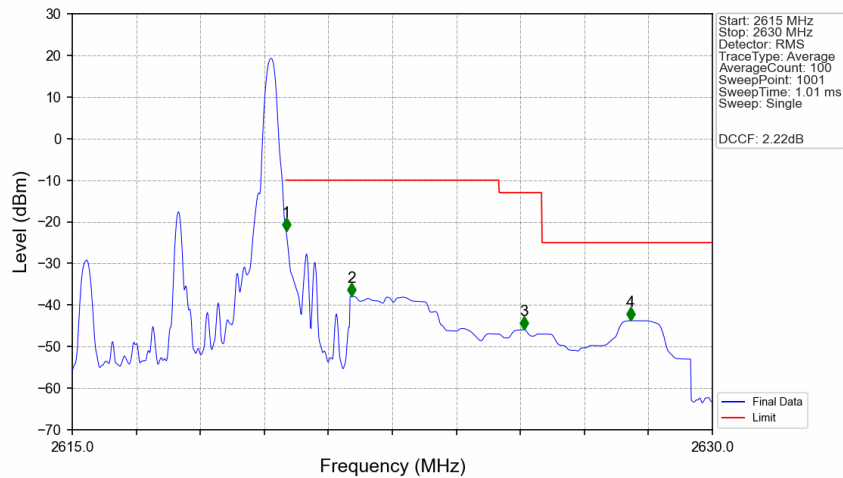
Band38_5MHz_QPSK_HCH_2617.5MHz_RB_1_0_NTNV



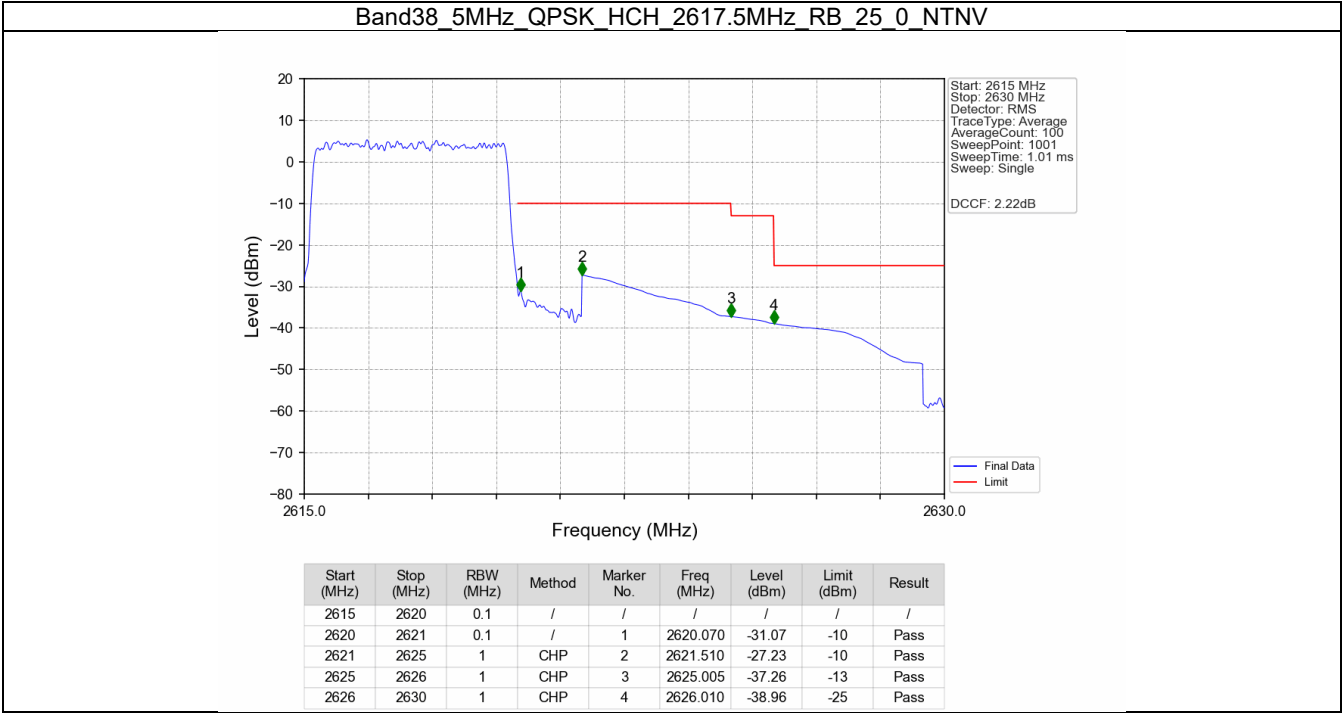
Band38_5MHz_QPSK_HCH_2617.5MHz_RB_1_0_NTNV



Band38_5MHz_QPSK_HCH_2617.5MHz_RB_1_24_NTNV

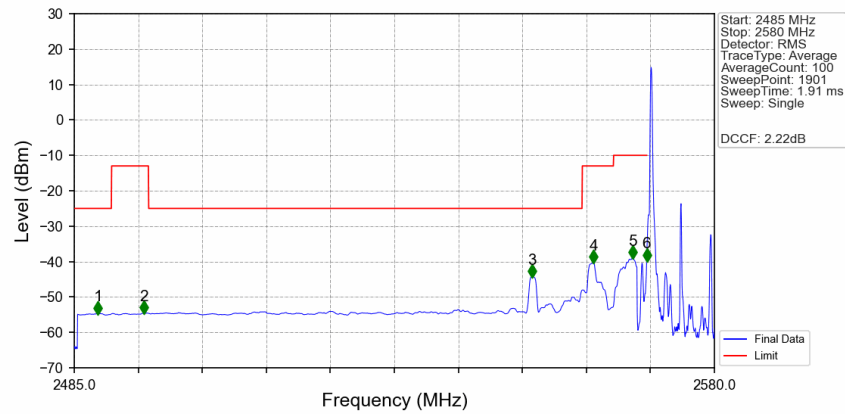


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2615	2620	0.1	/	/	/	/	/	/
2620	2621	0.1	/	1	2620.010	-22.22	-10	Pass
2621	2625	1	CHP	2	2621.540	-37.96	-10	Pass
2625	2626	1	CHP	3	2625.590	-45.87	-13	Pass
2626	2630	1	CHP	4	2628.080	-43.76	-25	Pass



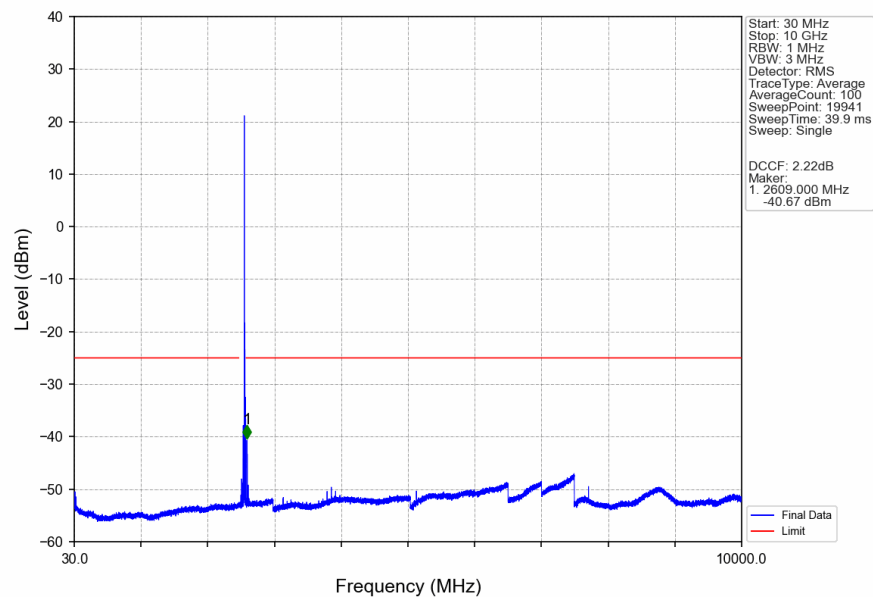
5.2.2 B38_10MHz

Band38_10MHz_QPSK_LCH_2575MHz_RB_1_0_NTNV



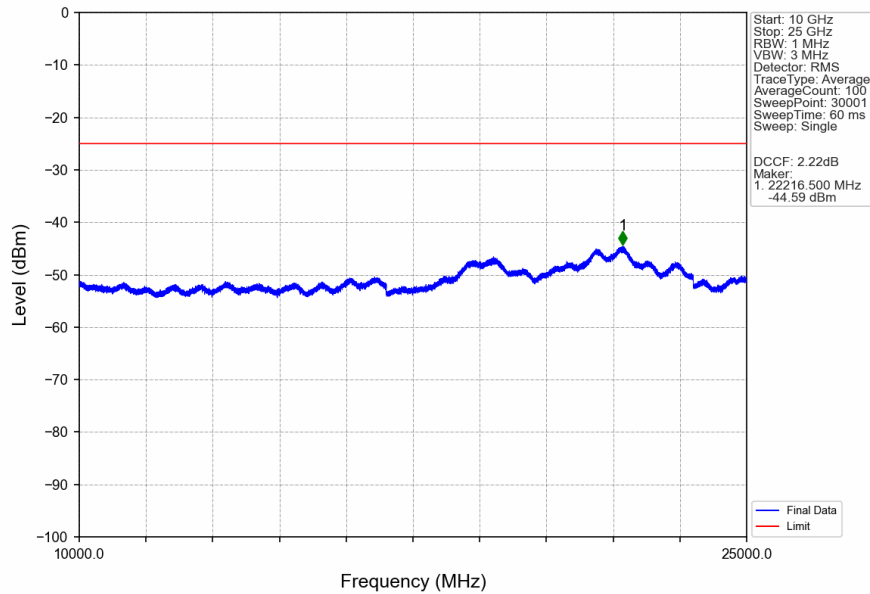
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2488.500	-54.61	-25	Pass
2490.5	2496	1	CHP	2	2495.300	-54.54	-13	Pass
2496	2560.38	1	CHP	3	2552.900	-44.30	-25	Pass
2560.38	2565	1	CHP	4	2562.050	-40.27	-13	Pass
2565	2569	1	CHP	5	2567.850	-38.91	-10	Pass
2569	2570	0.1	/	6	2569.950	-39.69	-10	Pass
2570	2580	0.1	/	/	/	/	/	/

Band38_10MHz_QPSK_LCH_2575MHz_RB_1_0_NTNV

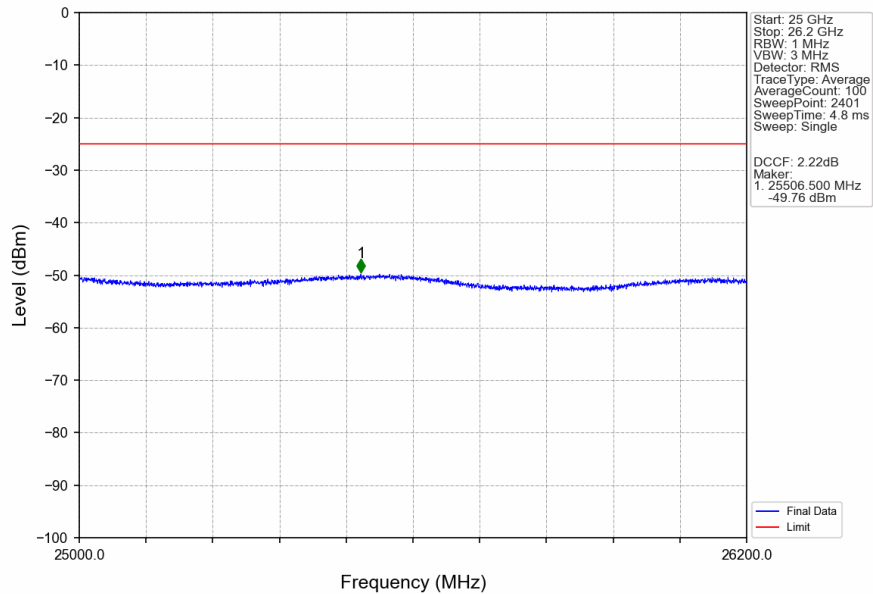




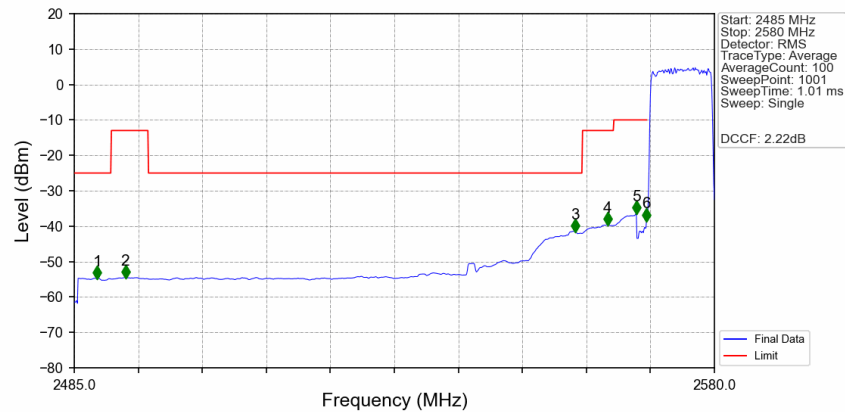
Band38_10MHz_QPSK_LCH_2575MHz_RB_1_0_NTNV



Band38_10MHz_QPSK_LCH_2575MHz_RB_1_0_NTNV

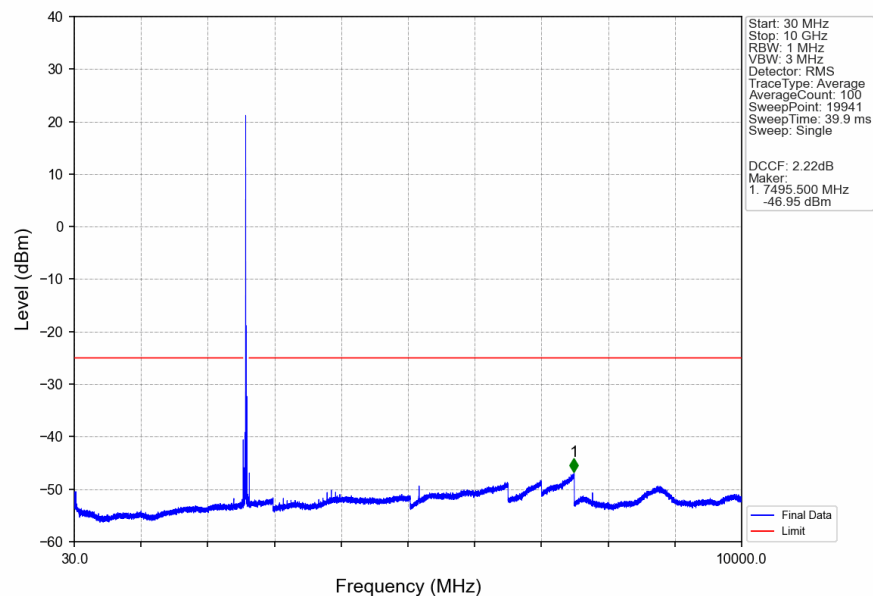


Band38_10MHz_QPSK_LCH_2575MHz_RB_50_0_NTNV



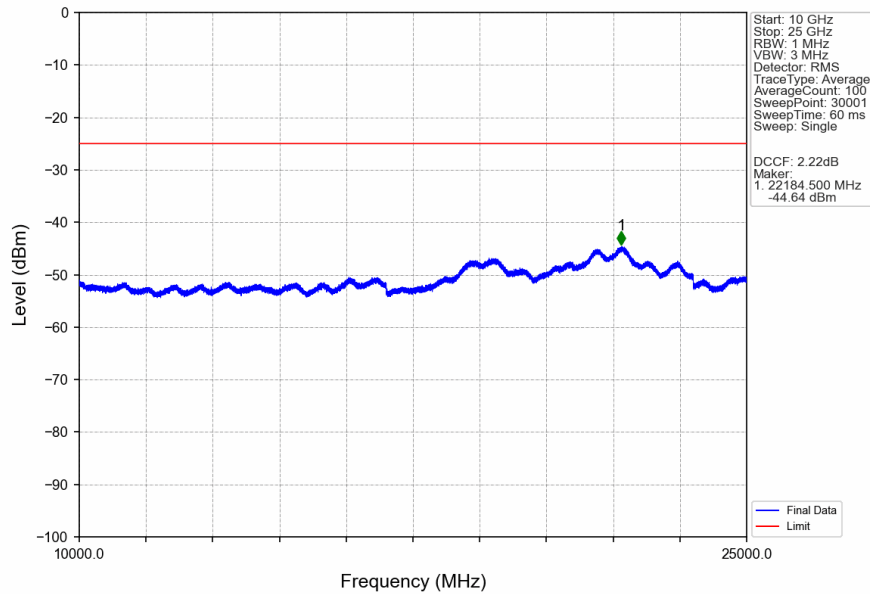
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2488.420	-54.62	-25	Pass
2490.5	2496	1	CHP	2	2492.600	-54.48	-13	Pass
2496	2560.38	1	CHP	3	2559.290	-41.40	-25	Pass
2560.38	2565	1	CHP	4	2564.135	-39.58	-13	Pass
2565	2569	1	CHP	5	2568.410	-36.37	-10	Pass
2569	2570	0.2	/	6	2569.930	-38.34	-10	Pass
2570	2580	0.2	/	/	/	/	/	/

Band38_10MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV

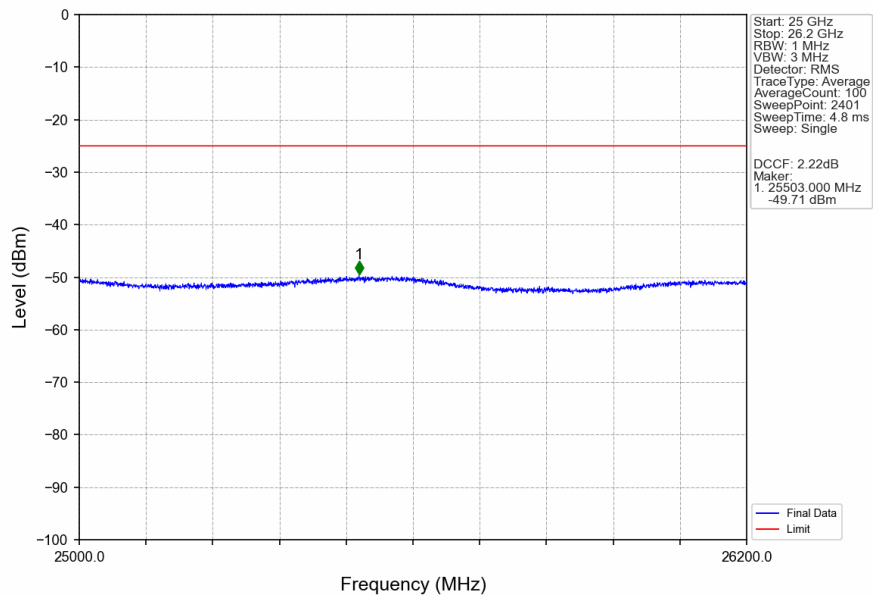




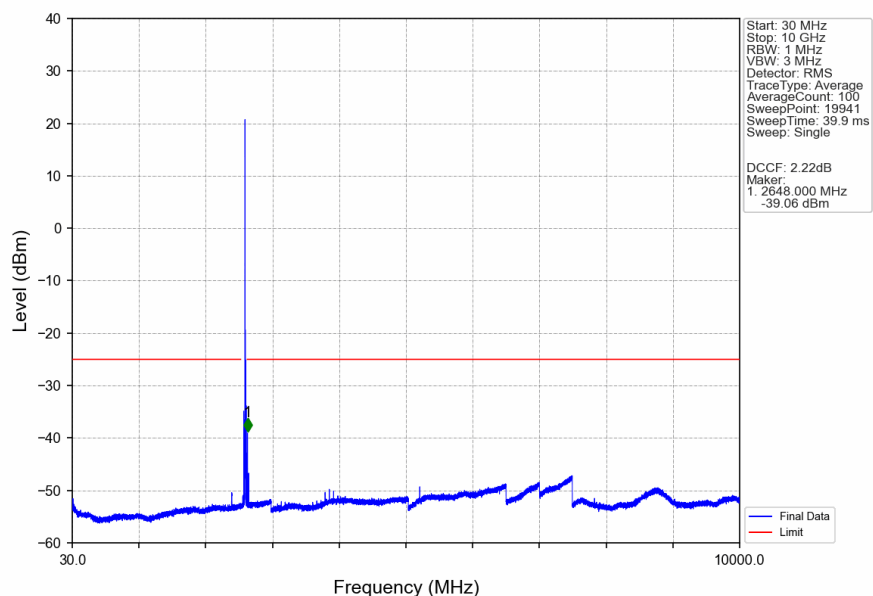
Band38_10MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



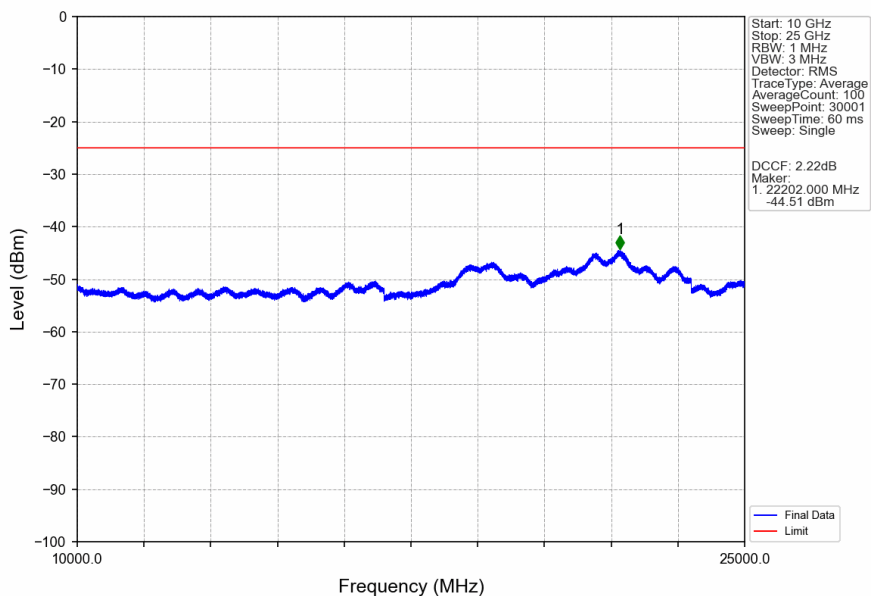
Band38_10MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



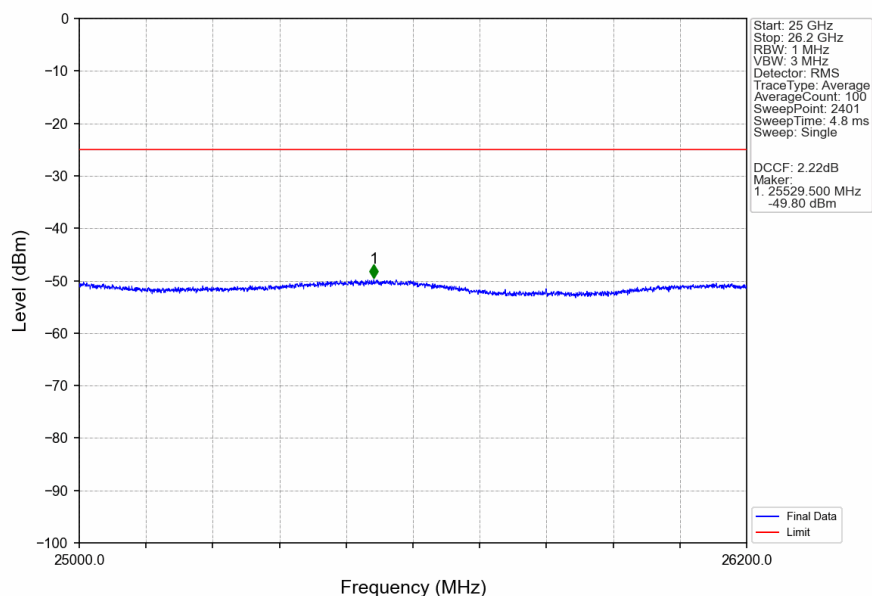
Band38_10MHz_QPSK_HCH_2615MHz_RB_1_0_NTNV



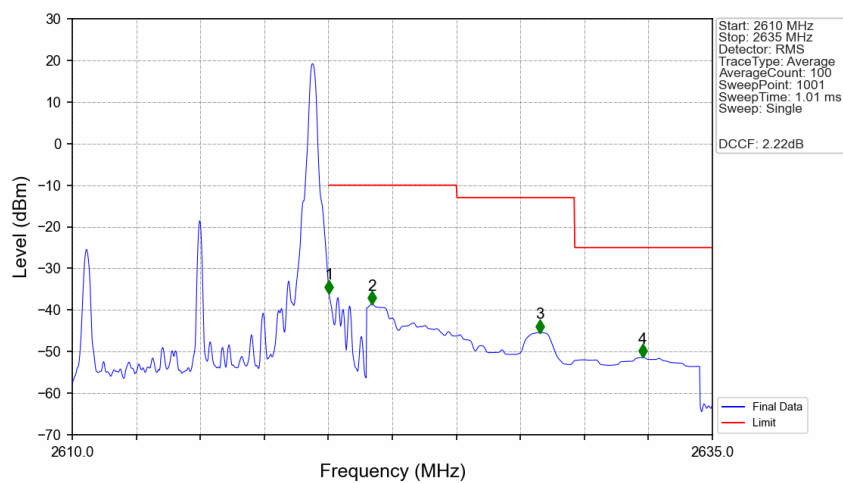
Band38_10MHz_QPSK_HCH_2615MHz_RB_1_0_NTNV



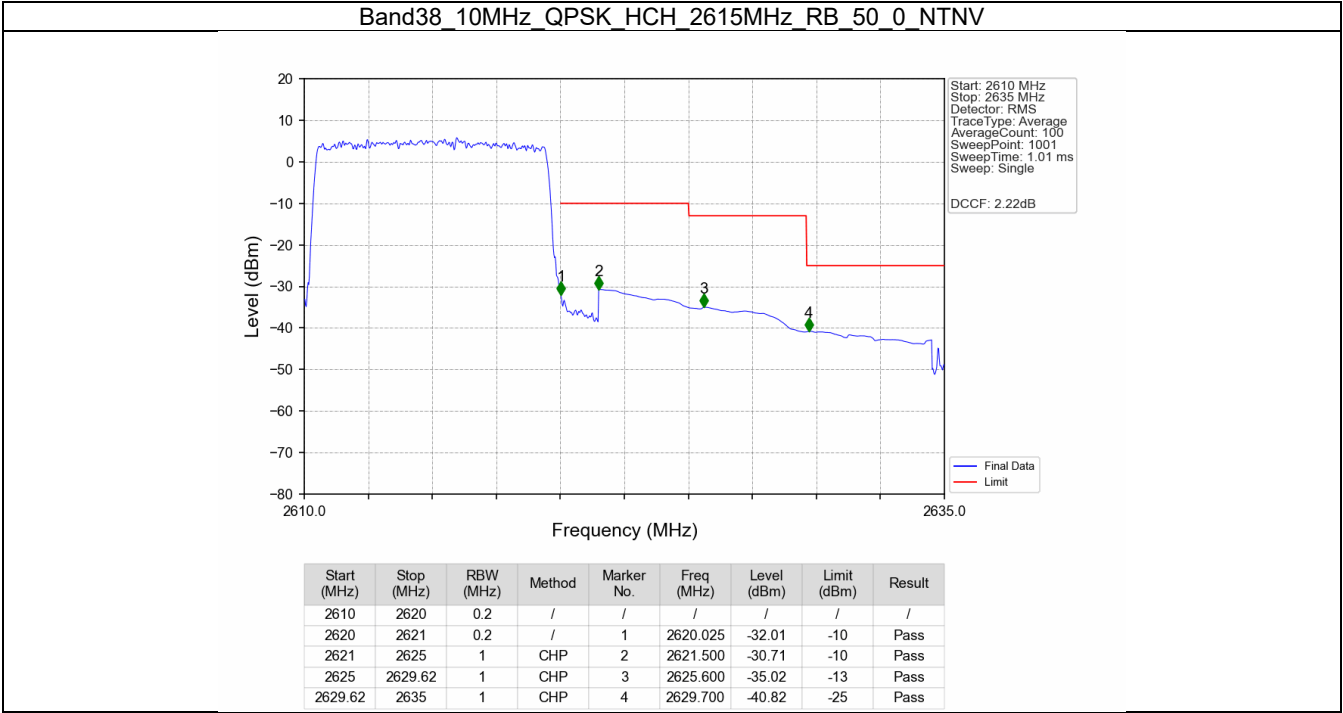
Band38_10MHz_QPSK_HCH_2615MHz_RB_1_0_NTNV



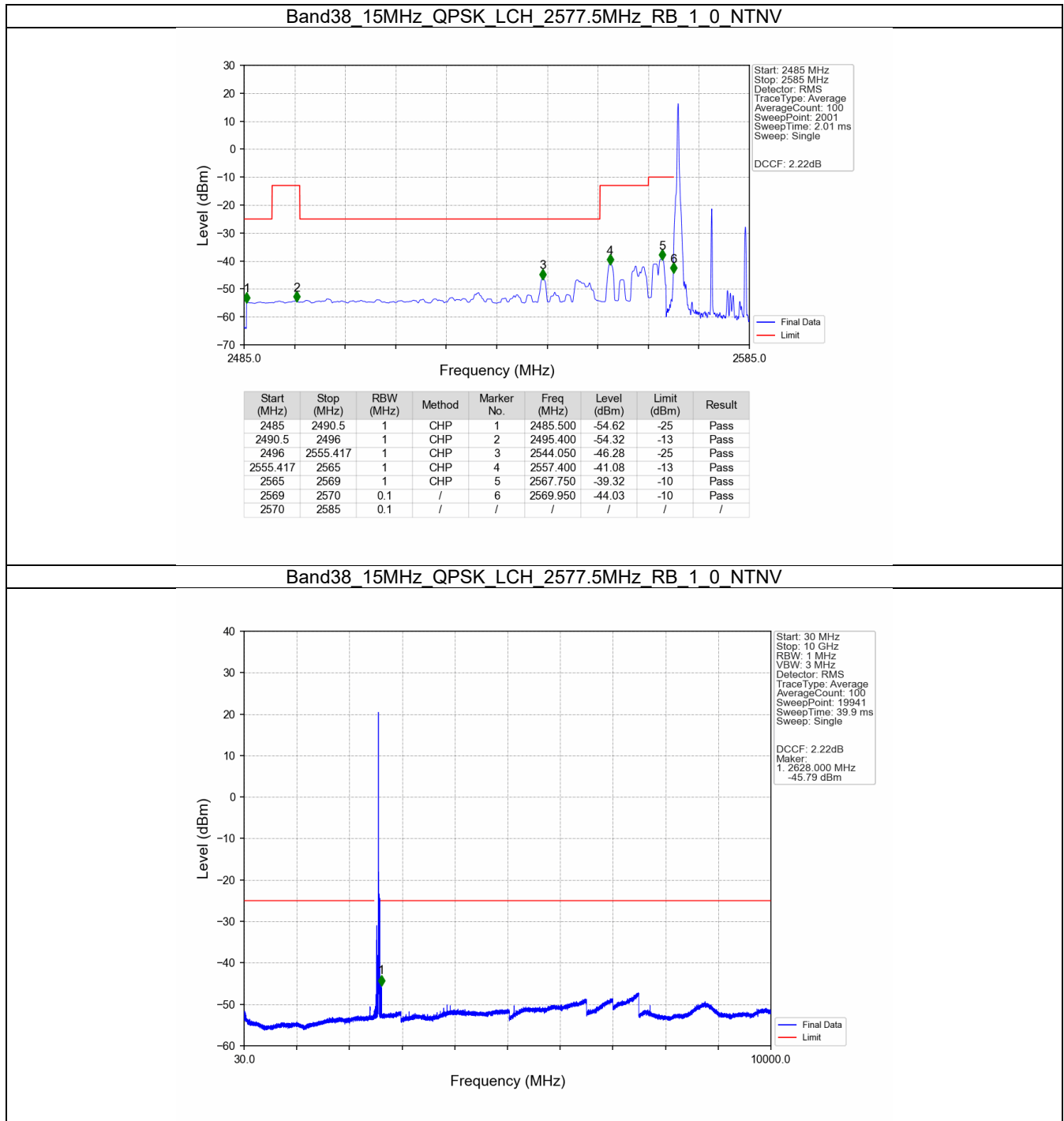
Band38_10MHz_QPSK_HCH_2615MHz_RB_1_49_NTNV



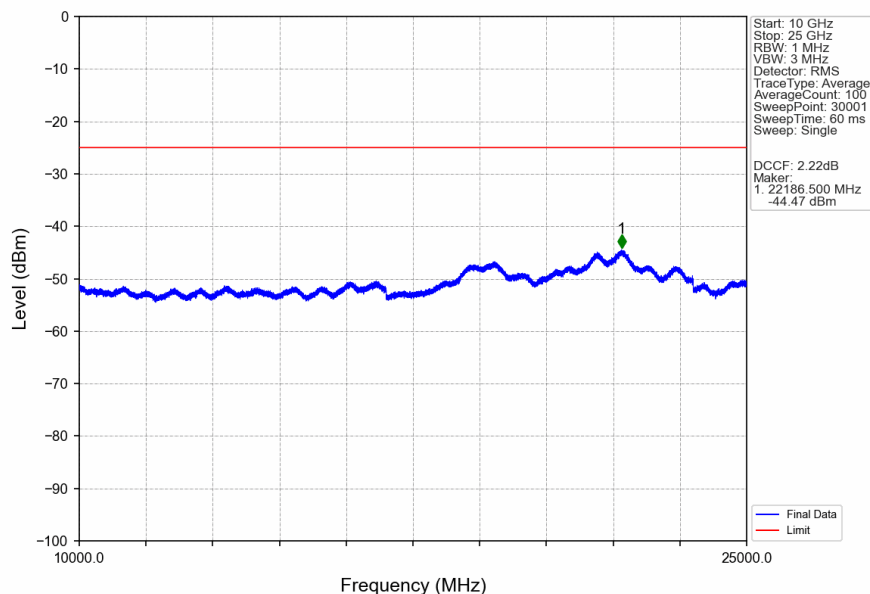
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2610	2620	0.1	/	/	/	/	/	/
2620	2621	0.1	/	1	2620.025	-35.97	-10	Pass
2621	2625	1	CHP	2	2621.700	-38.62	-10	Pass
2625	2629.62	1	CHP	3	2628.250	-45.45	-13	Pass
2629.62	2635	1	CHP	4	2632.275	-51.38	-25	Pass



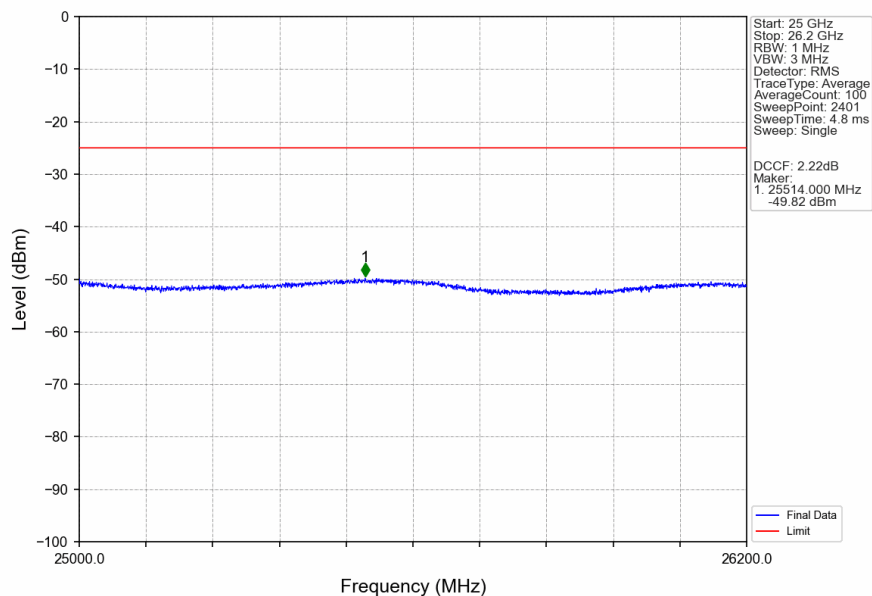
5.2.3 B38_15MHz



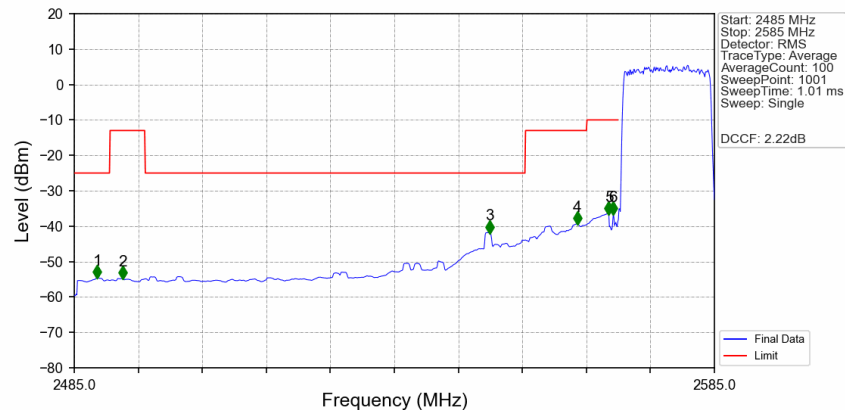
Band38_15MHz_QPSK_LCH_2577.5MHz_RB_1_0_NTNV



Band38_15MHz_QPSK_LCH_2577.5MHz_RB_1_0_NTNV

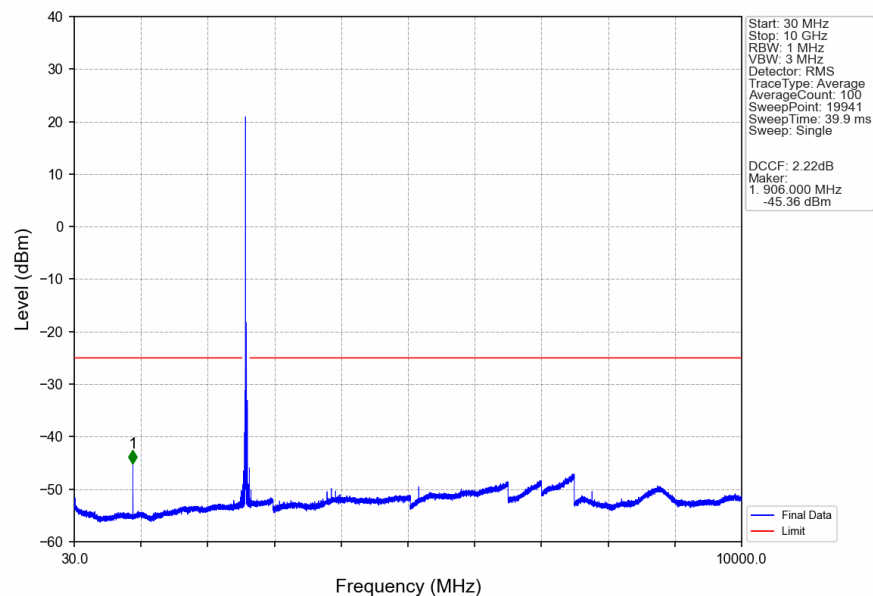


Band38_15MHz_QPSK_LCH_2577.5MHz_RB_75_0_NTNV

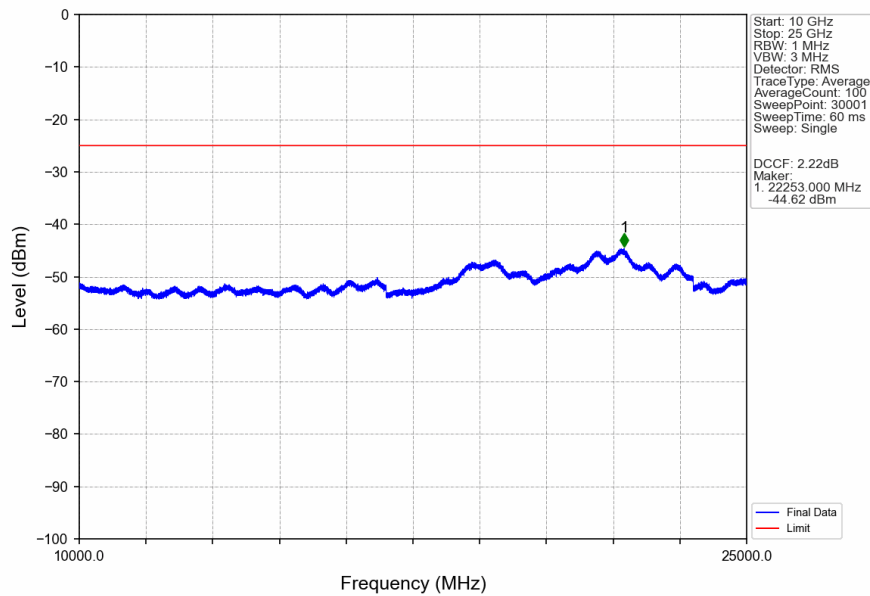


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2488.600	-54.47	-25	Pass
2490.5	2496	1	CHP	2	2492.600	-54.68	-13	Pass
2496	2555.417	1	CHP	3	2549.900	-41.78	-25	Pass
2555.417	2565	1	CHP	4	2563.600	-39.35	-13	Pass
2565	2569	1	CHP	5	2568.500	-36.49	-10	Pass
2569	2570	0.3	/	6	2569.200	-36.53	-10	Pass
2570	2585	0.3	/	/	/	/	/	/

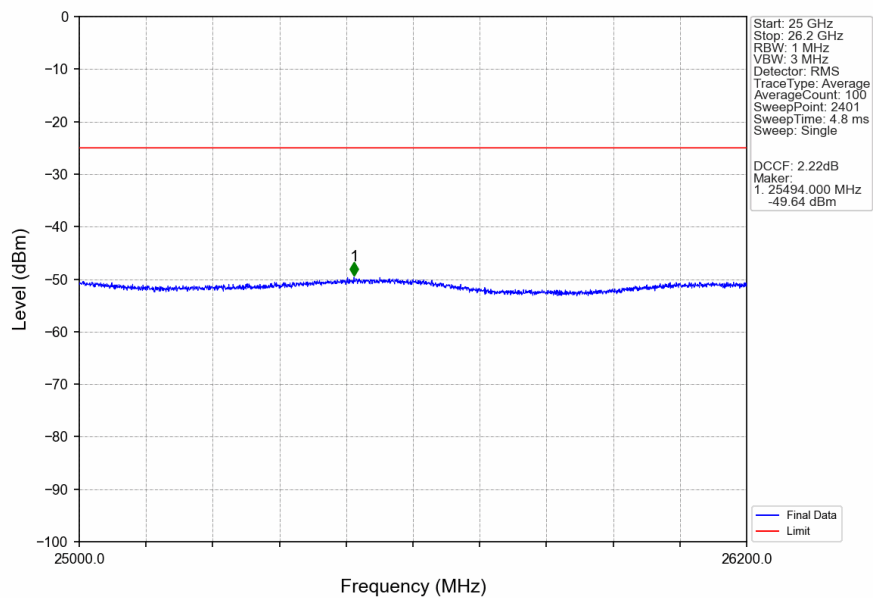
Band38_15MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



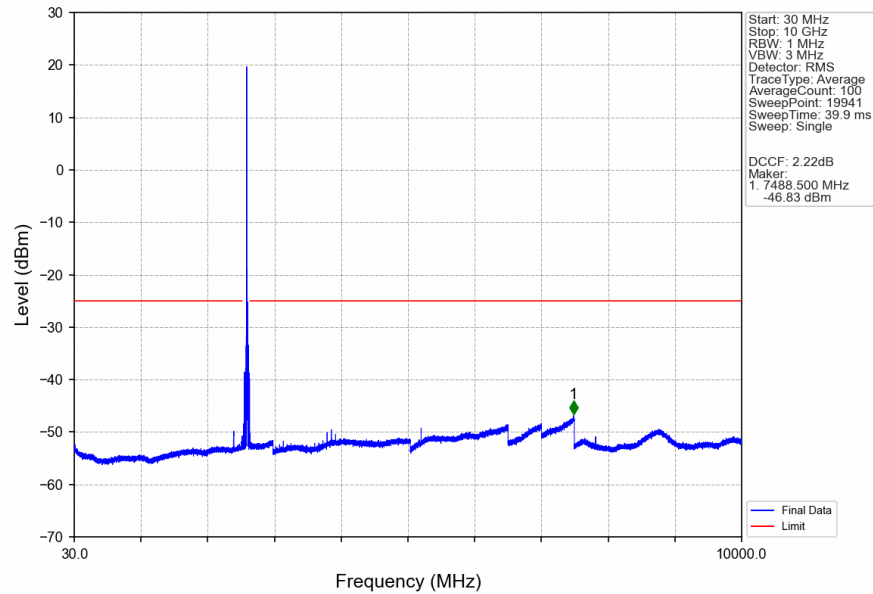
Band38_15MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



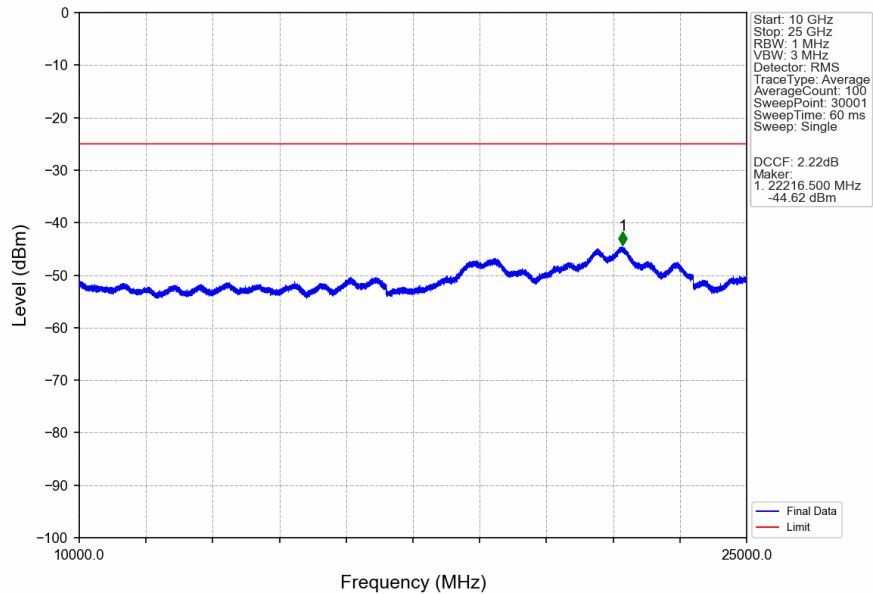
Band38_15MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



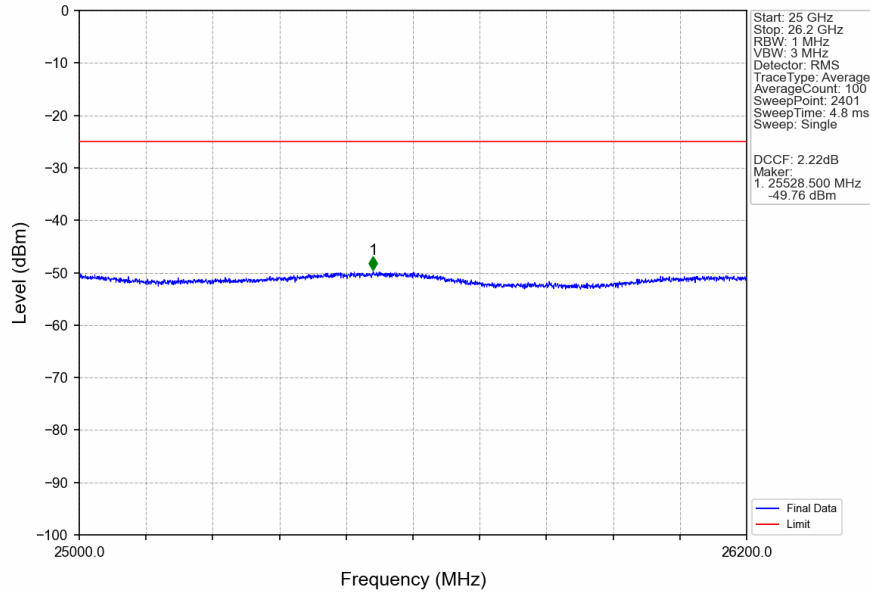
Band38_15MHz_QPSK_HCH_2612.5MHz_RB_1_0_NTNV



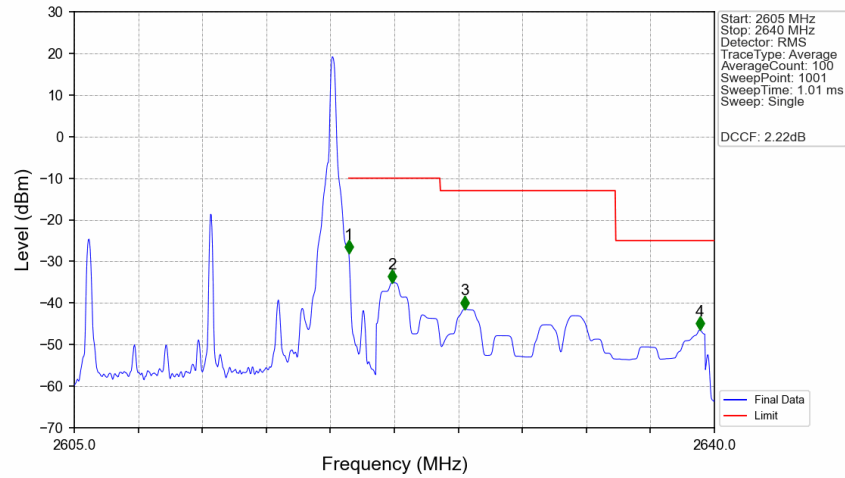
Band38_15MHz_QPSK_HCH_2612.5MHz_RB_1_0_NTNV



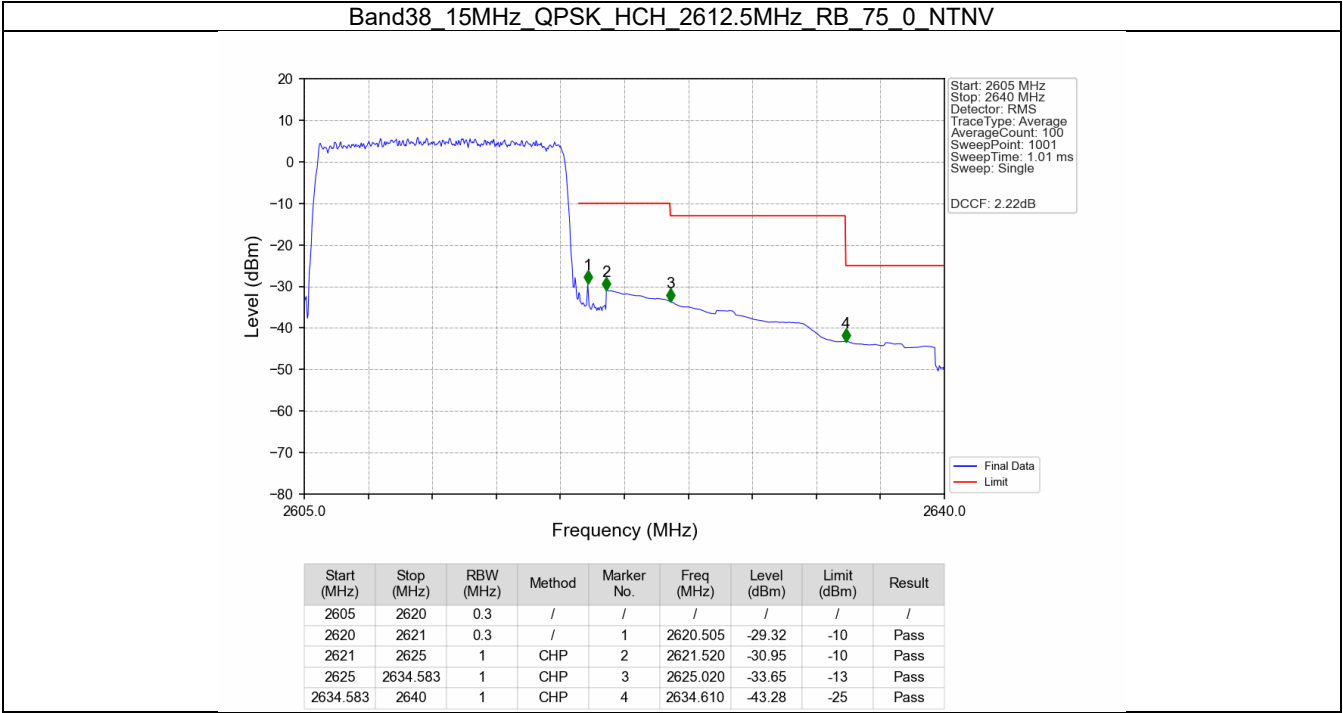
Band38_15MHz_QPSK_HCH_2612.5MHz_RB_1_0_NTNV



Band38_15MHz_QPSK_HCH_2612.5MHz_RB_1_74_NTNV

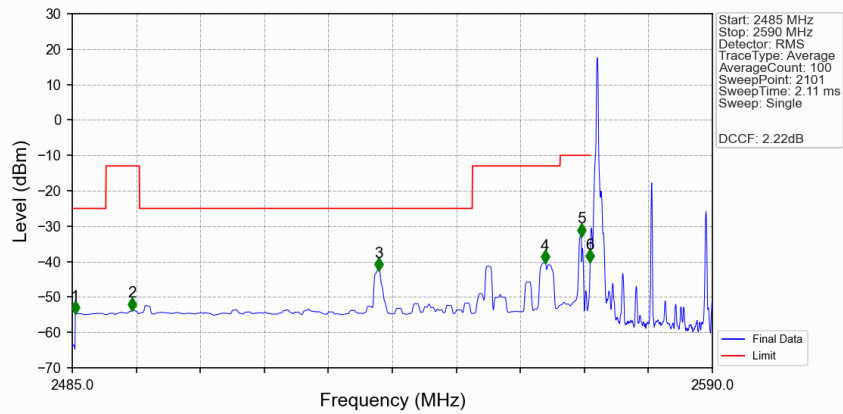


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2605	2620	0.1	/	/	/	/	/	/
2620	2621	0.1	/	1	2620.015	-28.13	-10	Pass
2621	2625	1	CHP	2	2622.395	-35.13	-10	Pass
2625	2634.583	1	CHP	3	2626.350	-41.44	-13	Pass
2634.583	2640	1	CHP	4	2639.195	-46.48	-25	Pass



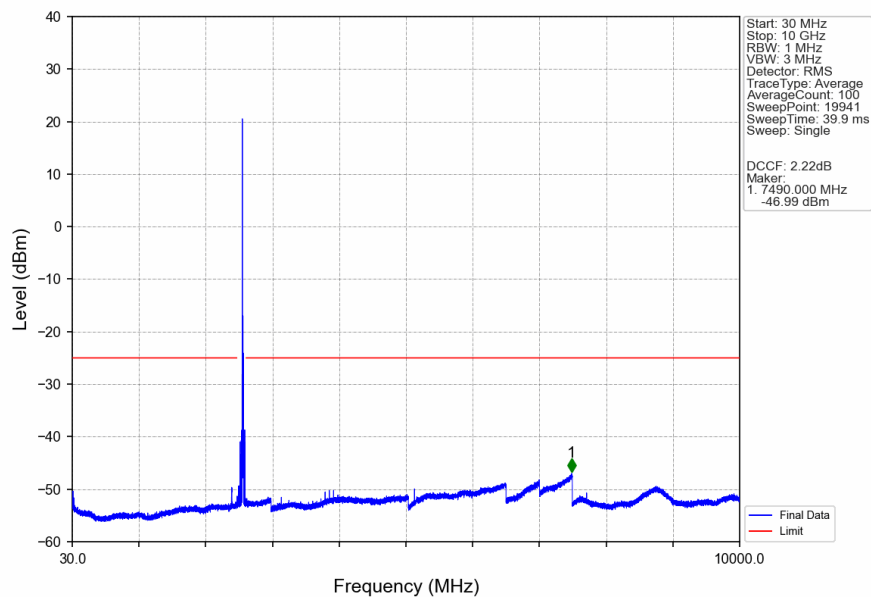
5.2.4 B38_20MHz

Band38_20MHz_QPSK_LCH_2580MHz_RB_1_0_NTNV

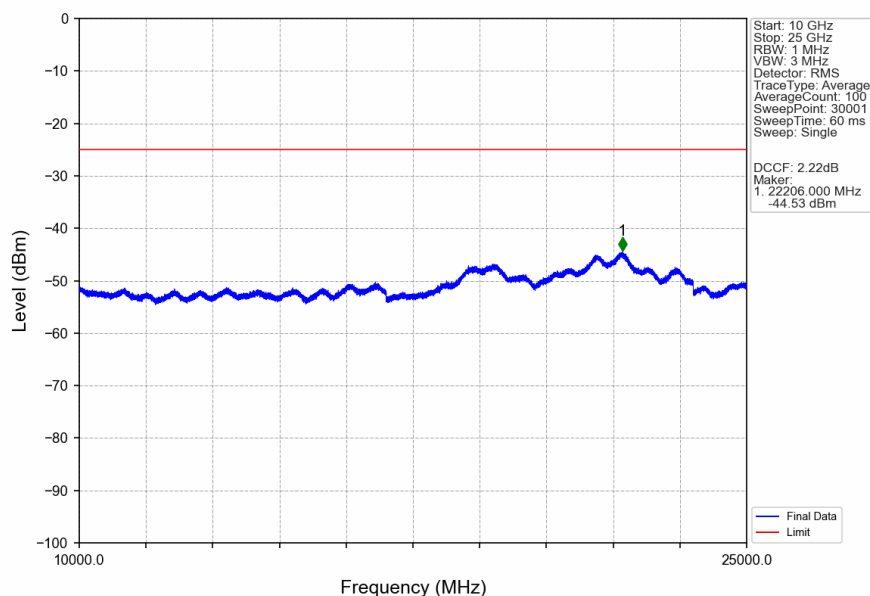


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2485.500	-54.48	-25	Pass
2490.5	2496	1	CHP	2	2494.800	-53.55	-13	Pass
2496	2550.62	1	CHP	3	2535.250	-42.28	-25	Pass
2550.62	2565	1	CHP	4	2562.550	-40.18	-13	Pass
2565	2569	1	CHP	5	2568.500	-32.63	-10	Pass
2569	2570	0.1	/	6	2569.950	-39.95	-10	Pass
2570	2590	0.1	/	/	/	/	/	/

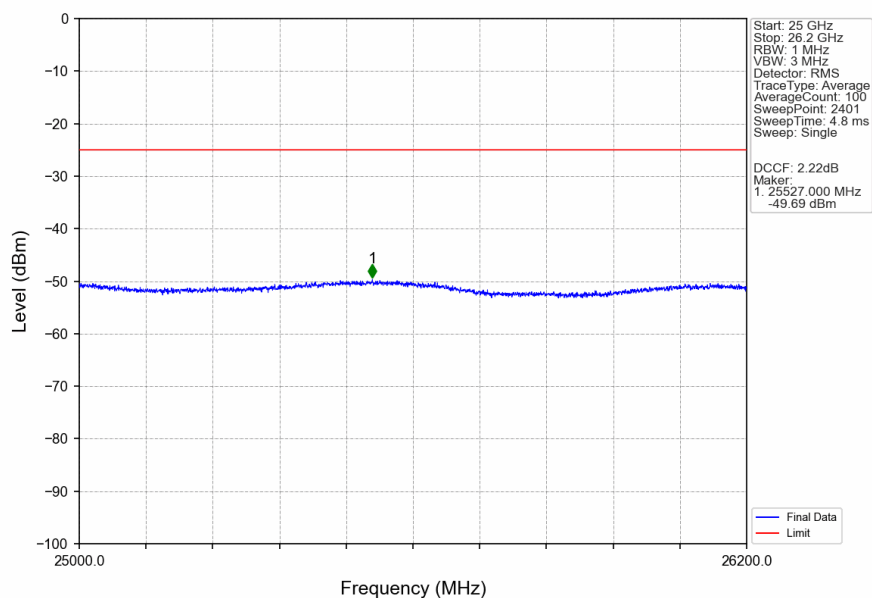
Band38_20MHz_QPSK_LCH_2580MHz_RB_1_0_NTNV



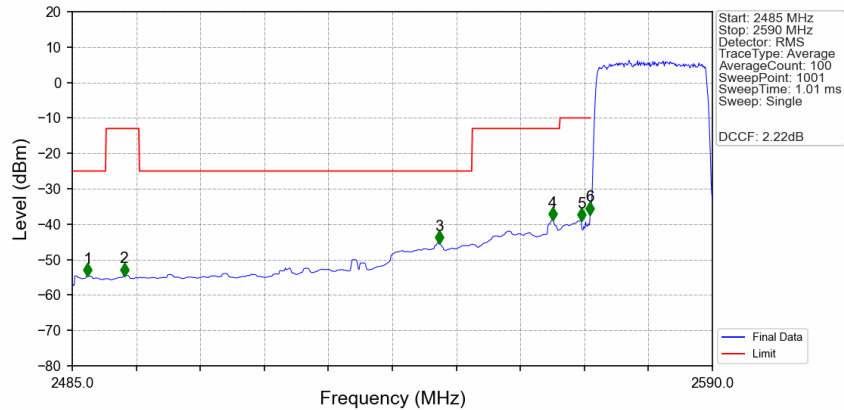
Band38_20MHz_QPSK_LCH_2580MHz_RB_1_0_NTNV



Band38_20MHz_QPSK_LCH_2580MHz_RB_1_0_NTNV

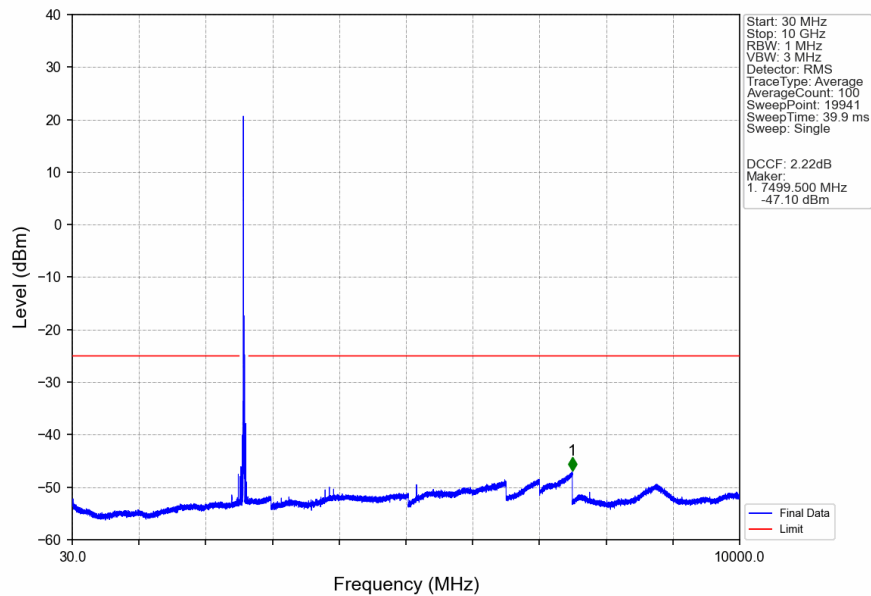


Band38_20MHz_QPSK_LCH_2580MHz_RB_100_0_NTNV

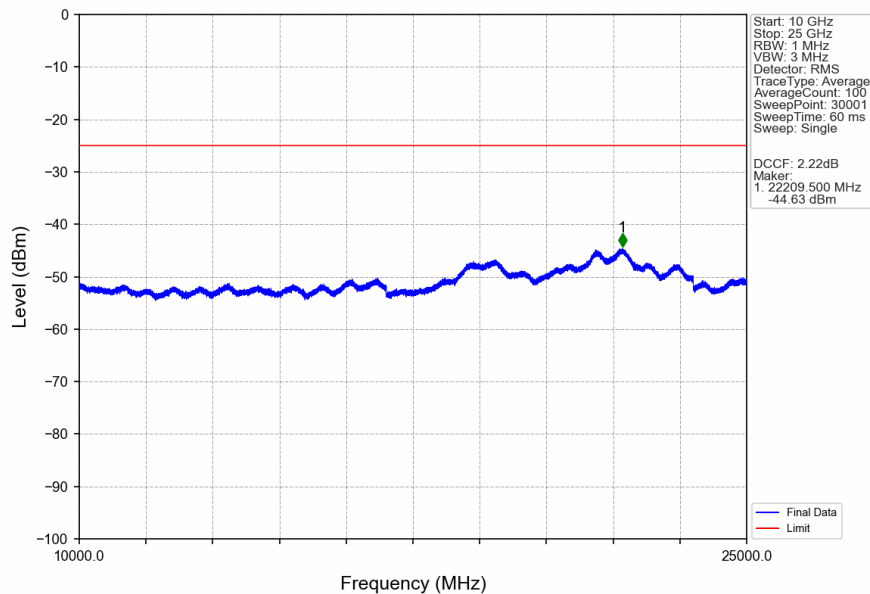


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2487.520	-54.52	-25	Pass
2490.5	2496	1	CHP	2	2493.505	-54.37	-13	Pass
2496	2550.62	1	CHP	3	2545.165	-45.31	-25	Pass
2550.62	2565	1	CHP	4	2563.750	-38.67	-13	Pass
2565	2569	1	CHP	5	2568.475	-38.91	-10	Pass
2569	2570	0.5	/	6	2569.945	-37.04	-10	Pass
2570	2590	0.5	/	/	/	/	/	/

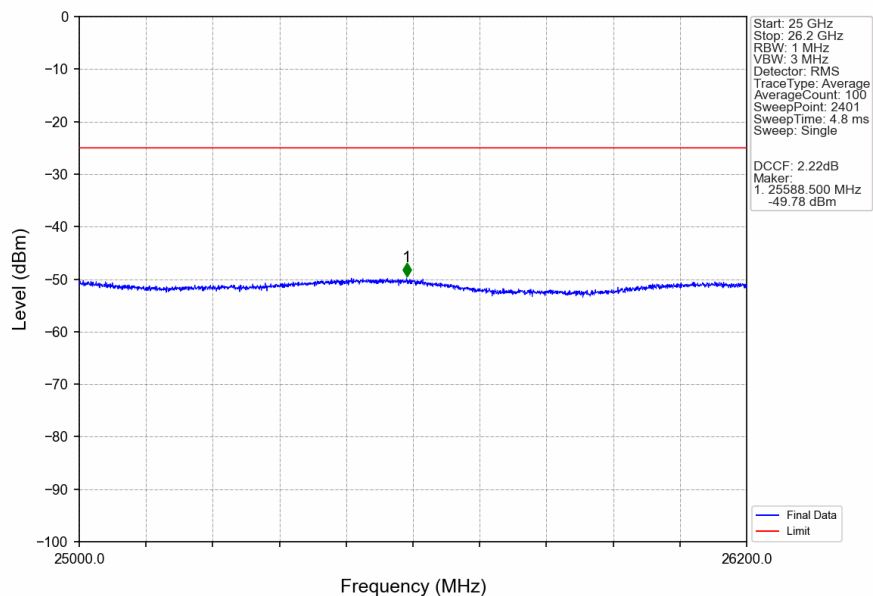
Band38_20MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



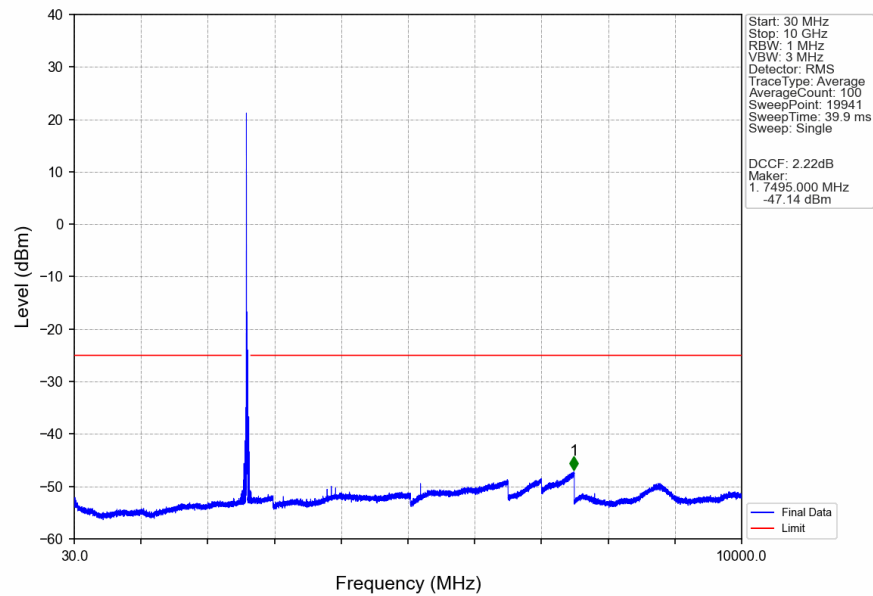
Band38_20MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



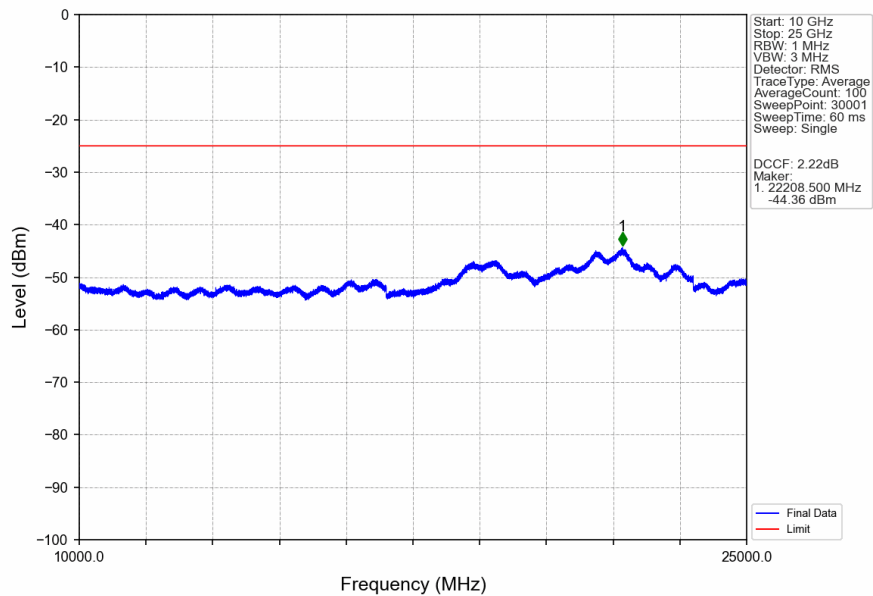
Band38_20MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



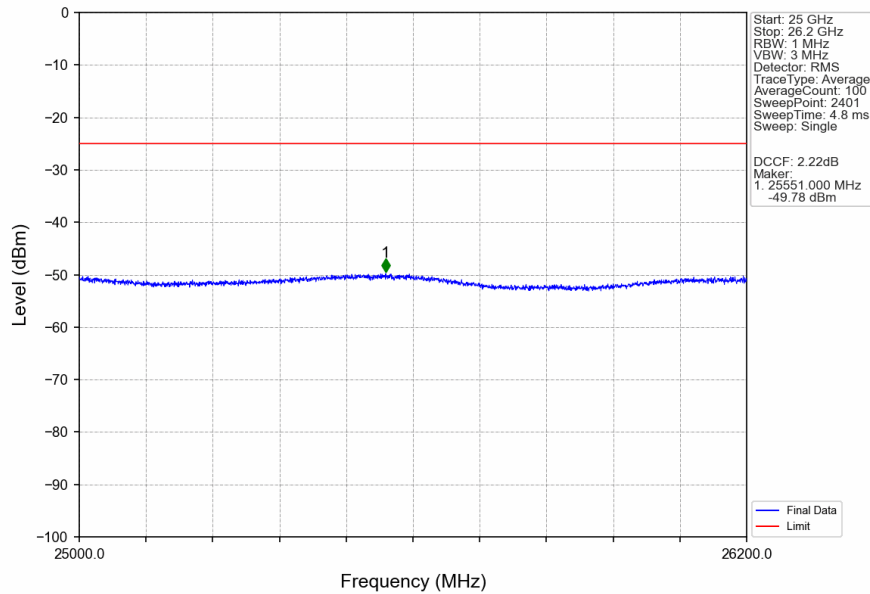
Band38_20MHz_QPSK_HCH_2610MHz_RB_1_0_NTNV



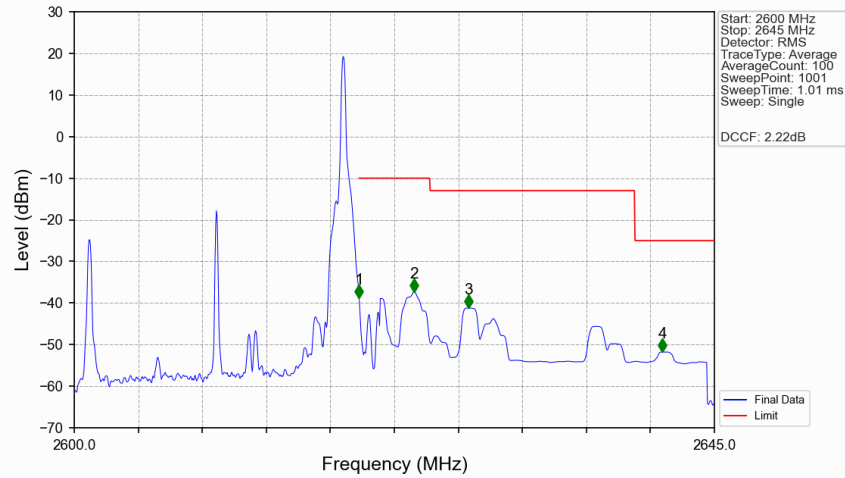
Band38_20MHz_QPSK_HCH_2610MHz_RB_1_0_NTNV



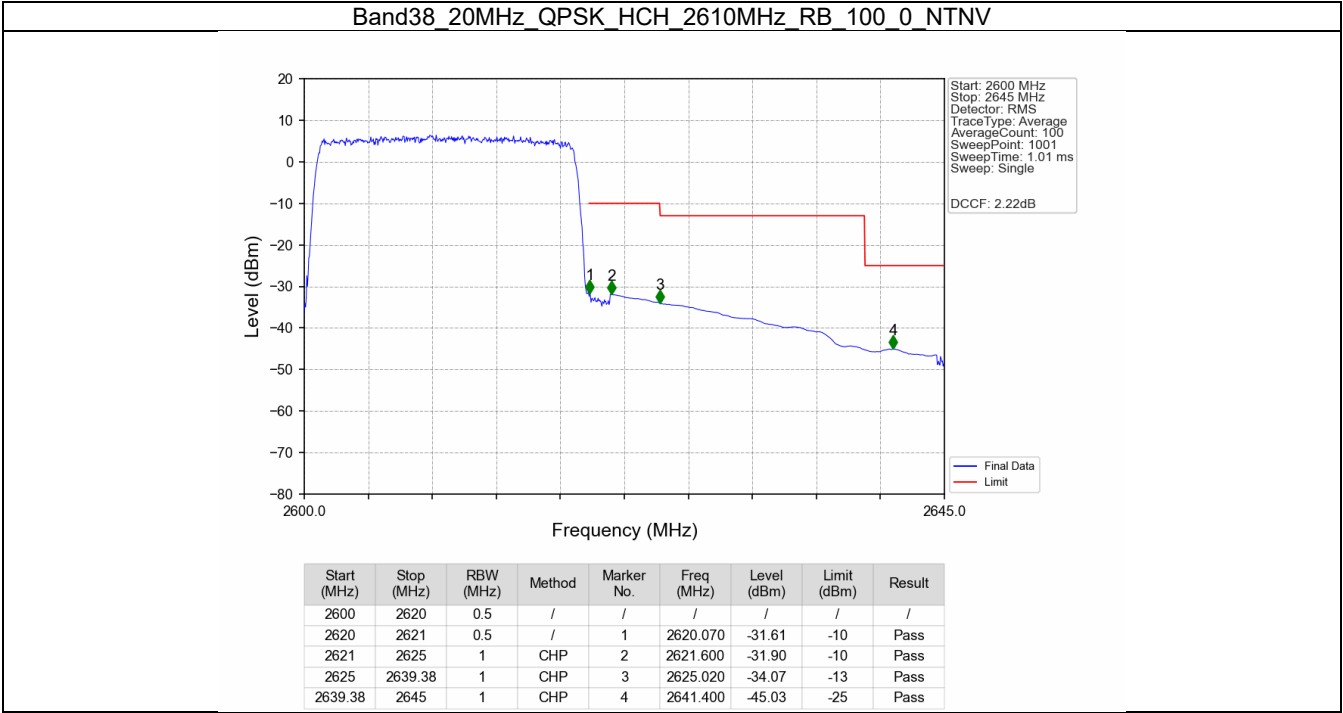
Band38_20MHz_QPSK_HCH_2610MHz_RB_1_0_NTNV



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	0.1	/	/	/	/	/	/
2620	2621	0.1	/	1	2620.025	-38.84	-10	Pass
2621	2625	1	CHP	2	2623.895	-37.28	-10	Pass
2625	2639.38	1	CHP	3	2627.720	-41.22	-13	Pass
2639.38	2645	1	CHP	4	2641.355	-51.77	-25	Pass



---End of Attachment---