

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	24.24	1.19	25.43	<=33.01	Pass
			13	24.08	1.19	25.27	<=33.01	Pass
			24	24.27	1.19	25.46	<=33.01	Pass
		12	0	23.12	1.19	24.31	<=33.01	Pass
			6	23.09	1.19	24.28	<=33.01	Pass
			13	23.11	1.19	24.30	<=33.01	Pass
		25	0	23.18	1.19	24.37	<=33.01	Pass
	2595	1	0	24.03	1.19	25.22	<=33.01	Pass
			13	24.12	1.19	25.31	<=33.01	Pass
			24	24.13	1.19	25.32	<=33.01	Pass
		12	0	23.03	1.19	24.22	<=33.01	Pass
			6	22.99	1.19	24.18	<=33.01	Pass
			13	22.98	1.19	24.17	<=33.01	Pass
		25	0	23.14	1.19	24.33	<=33.01	Pass
	2617.5	1	0	24.01	1.19	25.20	<=33.01	Pass
			13	23.90	1.19	25.09	<=33.01	Pass
			24	23.87	1.19	25.06	<=33.01	Pass
		12	0	22.91	1.19	24.10	<=33.01	Pass
			6	22.90	1.19	24.09	<=33.01	Pass
			13	22.89	1.19	24.08	<=33.01	Pass
		25	0	22.94	1.19	24.13	<=33.01	Pass
16QAM	2572.5	1	0	23.09	1.19	24.28	<=33.01	Pass
			13	23.02	1.19	24.21	<=33.01	Pass
			24	23.39	1.19	24.58	<=33.01	Pass
		12	0	22.03	1.19	23.22	<=33.01	Pass
			6	22.00	1.19	23.19	<=33.01	Pass
			13	22.25	1.19	23.44	<=33.01	Pass
		25	0	22.03	1.19	23.22	<=33.01	Pass
	2595	1	0	23.06	1.19	24.25	<=33.01	Pass
			13	23.00	1.19	24.19	<=33.01	Pass
			24	23.07	1.19	24.26	<=33.01	Pass
		12	0	22.10	1.19	23.29	<=33.01	Pass
			6	21.99	1.19	23.18	<=33.01	Pass
			13	21.94	1.19	23.13	<=33.01	Pass
		25	0	21.98	1.19	23.17	<=33.01	Pass
	2617.5	1	0	22.89	1.19	24.08	<=33.01	Pass
			13	22.83	1.19	24.02	<=33.01	Pass
			24	22.88	1.19	24.07	<=33.01	Pass
		12	0	21.87	1.19	23.06	<=33.01	Pass
			6	21.81	1.19	23.00	<=33.01	Pass
			13	21.85	1.19	23.04	<=33.01	Pass
		25	0	21.90	1.19	23.09	<=33.01	Pass
64QAM	2572.5	1	0	22.02	1.19	23.21	<=33.01	Pass
			13	21.75	1.19	22.94	<=33.01	Pass
			24	22.01	1.19	23.20	<=33.01	Pass
		12	0	20.98	1.19	22.17	<=33.01	Pass
			6	21.11	1.19	22.30	<=33.01	Pass
			13	21.17	1.19	22.36	<=33.01	Pass
		25	0	21.05	1.19	22.24	<=33.01	Pass

	2595	1	0	22.00	1.19	23.19	<=33.01	Pass
			13	21.95	1.19	23.14	<=33.01	Pass
			24	21.90	1.19	23.09	<=33.01	Pass
		12	0	21.07	1.19	22.26	<=33.01	Pass
			6	20.86	1.19	22.05	<=33.01	Pass
			13	20.89	1.19	22.08	<=33.01	Pass
		25	0	20.95	1.19	22.14	<=33.01	Pass
	2617.5	1	0	21.69	1.19	22.88	<=33.01	Pass
			13	21.88	1.19	23.07	<=33.01	Pass
			24	22.04	1.19	23.23	<=33.01	Pass
		12	0	20.89	1.19	22.08	<=33.01	Pass
			6	20.83	1.19	22.02	<=33.01	Pass
			13	20.88	1.19	22.07	<=33.01	Pass
		25	0	20.85	1.19	22.04	<=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	24.17	1.19	25.36	<=33.01	Pass
			25	24.24	1.19	25.43	<=33.01	Pass
			49	24.22	1.19	25.41	<=33.01	Pass
		25	0	23.17	1.19	24.36	<=33.01	Pass
			13	23.14	1.19	24.33	<=33.01	Pass
			25	23.10	1.19	24.29	<=33.01	Pass
		50	0	23.09	1.19	24.28	<=33.01	Pass
	2595	1	0	24.07	1.19	25.26	<=33.01	Pass
			25	24.09	1.19	25.28	<=33.01	Pass
			49	24.08	1.19	25.27	<=33.01	Pass
		25	0	22.99	1.19	24.18	<=33.01	Pass
			13	22.99	1.19	24.18	<=33.01	Pass
			25	23.08	1.19	24.27	<=33.01	Pass
		50	0	23.01	1.19	24.20	<=33.01	Pass
	2615	1	0	23.79	1.19	24.98	<=33.01	Pass
			25	23.85	1.19	25.04	<=33.01	Pass
			49	23.74	1.19	24.93	<=33.01	Pass
		25	0	22.95	1.19	24.14	<=33.01	Pass
			13	22.84	1.19	24.03	<=33.01	Pass
			25	22.86	1.19	24.05	<=33.01	Pass
		50	0	22.88	1.19	24.07	<=33.01	Pass
16QAM	2575	1	0	23.00	1.19	24.19	<=33.01	Pass
			25	23.11	1.19	24.30	<=33.01	Pass
			49	22.99	1.19	24.18	<=33.01	Pass
		25	0	22.10	1.19	23.29	<=33.01	Pass
			13	22.10	1.19	23.29	<=33.01	Pass
			25	22.12	1.19	23.31	<=33.01	Pass
		50	0	22.05	1.19	23.24	<=33.01	Pass
	2595	1	0	22.95	1.19	24.14	<=33.01	Pass
			25	22.90	1.19	24.09	<=33.01	Pass
			49	22.85	1.19	24.04	<=33.01	Pass
		25	0	22.07	1.19	23.26	<=33.01	Pass
			13	22.03	1.19	23.22	<=33.01	Pass
			25	22.03	1.19	23.22	<=33.01	Pass
		50	0	21.99	1.19	23.18	<=33.01	Pass
	2615	1	0	23.19	1.19	24.38	<=33.01	Pass

		25	25	22.72	1.19	23.91	<=33.01	Pass	
			49	22.86	1.19	24.05	<=33.01	Pass	
			25	0	21.93	1.19	23.12	<=33.01	Pass
				13	21.80	1.19	22.99	<=33.01	Pass
				25	21.83	1.19	23.02	<=33.01	Pass
			50	0	21.80	1.19	22.99	<=33.01	Pass
64QAM	2575	1	0	22.35	1.19	23.54	<=33.01	Pass	
			25	21.62	1.19	22.81	<=33.01	Pass	
			49	21.93	1.19	23.12	<=33.01	Pass	
		25	0	21.06	1.19	22.25	<=33.01	Pass	
			13	21.01	1.19	22.20	<=33.01	Pass	
			25	21.03	1.19	22.22	<=33.01	Pass	
		50	0	21.09	1.19	22.28	<=33.01	Pass	
	2595	1	0	22.24	1.19	23.43	<=33.01	Pass	
			25	21.69	1.19	22.88	<=33.01	Pass	
			49	22.29	1.19	23.48	<=33.01	Pass	
		25	0	20.98	1.19	22.17	<=33.01	Pass	
			13	21.00	1.19	22.19	<=33.01	Pass	
			25	21.02	1.19	22.21	<=33.01	Pass	
		50	0	21.03	1.19	22.22	<=33.01	Pass	
	2615	1	0	21.59	1.19	22.78	<=33.01	Pass	
			25	21.65	1.19	22.84	<=33.01	Pass	
			49	21.67	1.19	22.86	<=33.01	Pass	
		25	0	20.82	1.19	22.01	<=33.01	Pass	
			13	20.84	1.19	22.03	<=33.01	Pass	
			25	20.89	1.19	22.08	<=33.01	Pass	
		50	0	20.80	1.19	21.99	<=33.01	Pass	
Note1: EIRP=Conducted Power+Antenna Gain									

1.1.3 B38_15MHz_EIRP

Band: 38 / Bandwidth: 15MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	2577.5	1	0	24.25	1.19	25.44	<=33.01	Pass
			38	24.31	1.19	25.50	<=33.01	Pass
			74	24.20	1.19	25.39	<=33.01	Pass
		36	0	23.18	1.19	24.37	<=33.01	Pass
			18	23.11	1.19	24.30	<=33.01	Pass
			39	23.14	1.19	24.33	<=33.01	Pass
		75	0	23.16	1.19	24.35	<=33.01	Pass
	2595	1	0	23.92	1.19	25.11	<=33.01	Pass
			38	23.93	1.19	25.12	<=33.01	Pass
			74	23.81	1.19	25.00	<=33.01	Pass
		36	0	22.91	1.19	24.10	<=33.01	Pass
			18	22.88	1.19	24.07	<=33.01	Pass
			39	22.90	1.19	24.09	<=33.01	Pass
		75	0	22.88	1.19	24.07	<=33.01	Pass
	2612.5	1	0	23.82	1.19	25.01	<=33.01	Pass
			38	23.74	1.19	24.93	<=33.01	Pass
			74	23.75	1.19	24.94	<=33.01	Pass
		36	0	22.81	1.19	24.00	<=33.01	Pass
			18	22.82	1.19	24.01	<=33.01	Pass
			39	22.75	1.19	23.94	<=33.01	Pass
		75	0	22.90	1.19	24.09	<=33.01	Pass
16QAM	2577.5	1	0	23.08	1.19	24.27	<=33.01	Pass
			38	22.84	1.19	24.03	<=33.01	Pass

		36	74	23.04	1.19	24.23	<=33.01	Pass	
			0	21.94	1.19	23.13	<=33.01	Pass	
				18	21.95	1.19	23.14	<=33.01	Pass
			39	21.98	1.19	23.17	<=33.01	Pass	
		75	0	21.94	1.19	23.13	<=33.01	Pass	
	2595	1	0	22.82	1.19	24.01	<=33.01	Pass	
			38	22.83	1.19	24.02	<=33.01	Pass	
			74	22.79	1.19	23.98	<=33.01	Pass	
		36	0	21.93	1.19	23.12	<=33.01	Pass	
			18	21.85	1.19	23.04	<=33.01	Pass	
			39	21.86	1.19	23.05	<=33.01	Pass	
		75	0	21.97	1.19	23.16	<=33.01	Pass	
		2612.5	1	0	23.17	1.19	24.36	<=33.01	Pass
				38	23.11	1.19	24.30	<=33.01	Pass
	74			22.69	1.19	23.88	<=33.01	Pass	
	36		0	21.85	1.19	23.04	<=33.01	Pass	
			18	21.84	1.19	23.03	<=33.01	Pass	
			39	21.73	1.19	22.92	<=33.01	Pass	
	75		0	21.86	1.19	23.05	<=33.01	Pass	
	64QAM	2577.5	1	0	22.27	1.19	23.46	<=33.01	Pass
				38	22.16	1.19	23.35	<=33.01	Pass
				74	22.03	1.19	23.22	<=33.01	Pass
			36	0	21.02	1.19	22.21	<=33.01	Pass
				18	20.95	1.19	22.14	<=33.01	Pass
				39	21.01	1.19	22.20	<=33.01	Pass
			75	0	20.94	1.19	22.13	<=33.01	Pass
			2595	1	0	22.21	1.19	23.40	<=33.01
38					21.71	1.19	22.90	<=33.01	Pass
74		22.25			1.19	23.44	<=33.01	Pass	
36		0		20.91	1.19	22.10	<=33.01	Pass	
		18		20.92	1.19	22.11	<=33.01	Pass	
		39		20.88	1.19	22.07	<=33.01	Pass	
75		0	20.99	1.19	22.18	<=33.01	Pass		
2612.5		1	0	21.96	1.19	23.15	<=33.01	Pass	
			38	21.94	1.19	23.13	<=33.01	Pass	
			74	22.04	1.19	23.23	<=33.01	Pass	
		36	0	20.86	1.19	22.05	<=33.01	Pass	
			18	20.83	1.19	22.02	<=33.01	Pass	
			39	20.81	1.19	22.00	<=33.01	Pass	
		75	0	20.87	1.19	22.06	<=33.01	Pass	
Note1: EIRP=Conducted Power+Antenna Gain									

1.1.4 B38_20MHz_EIRP

Band: 38 / Bandwidth: 20MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	2580	1	0	24.09	1.19	25.28	<=33.01	Pass
			50	24.14	1.19	25.33	<=33.01	Pass
			99	24.17	1.19	25.36	<=33.01	Pass
		50	0	23.13	1.19	24.32	<=33.01	Pass
			25	23.11	1.19	24.30	<=33.01	Pass
			50	23.04	1.19	24.23	<=33.01	Pass
		100	0	23.13	1.19	24.32	<=33.01	Pass
	2595	1	0	24.00	1.19	25.19	<=33.01	Pass
			50	24.02	1.19	25.21	<=33.01	Pass
			99	23.83	1.19	25.02	<=33.01	Pass

		50	0	23.02	1.19	24.21	<=33.01	Pass		
			25	23.02	1.19	24.21	<=33.01	Pass		
			50	23.01	1.19	24.20	<=33.01	Pass		
		100	0	23.04	1.19	24.23	<=33.01	Pass		
	2610	1	0	23.87	1.19	25.06	<=33.01	Pass		
			50	23.88	1.19	25.07	<=33.01	Pass		
			99	23.84	1.19	25.03	<=33.01	Pass		
		50	0	22.92	1.19	24.11	<=33.01	Pass		
			25	22.86	1.19	24.05	<=33.01	Pass		
			50	22.84	1.19	24.03	<=33.01	Pass		
100		0	22.93	1.19	24.12	<=33.01	Pass			
16QAM		2580	1	0	23.41	1.19	24.60	<=33.01	Pass	
	50			22.99	1.19	24.18	<=33.01	Pass		
	99			23.08	1.19	24.27	<=33.01	Pass		
	50		0	22.06	1.19	23.25	<=33.01	Pass		
			25	22.02	1.19	23.21	<=33.01	Pass		
			50	22.07	1.19	23.26	<=33.01	Pass		
	100		0	22.12	1.19	23.31	<=33.01	Pass		
	2595		1	0	22.87	1.19	24.06	<=33.01	Pass	
				50	22.87	1.19	24.06	<=33.01	Pass	
		99		22.68	1.19	23.87	<=33.01	Pass		
		50	0	22.01	1.19	23.20	<=33.01	Pass		
			25	21.96	1.19	23.15	<=33.01	Pass		
			50	22.01	1.19	23.20	<=33.01	Pass		
		100	0	22.06	1.19	23.25	<=33.01	Pass		
		2610	1	0	23.07	1.19	24.26	<=33.01	Pass	
				50	22.98	1.19	24.17	<=33.01	Pass	
	99			22.43	1.19	23.62	<=33.01	Pass		
	50		0	21.90	1.19	23.09	<=33.01	Pass		
			25	21.88	1.19	23.07	<=33.01	Pass		
			50	21.83	1.19	23.02	<=33.01	Pass		
	100		0	21.87	1.19	23.06	<=33.01	Pass		
	64QAM		2580	1	0	21.84	1.19	23.03	<=33.01	Pass
					50	22.03	1.19	23.22	<=33.01	Pass
		99			21.81	1.19	23.00	<=33.01	Pass	
		50		0	21.10	1.19	22.29	<=33.01	Pass	
				25	21.01	1.19	22.20	<=33.01	Pass	
				50	21.08	1.19	22.27	<=33.01	Pass	
		100		0	21.09	1.19	22.28	<=33.01	Pass	
2595		1		0	21.68	1.19	22.87	<=33.01	Pass	
				50	21.61	1.19	22.80	<=33.01	Pass	
			99	22.00	1.19	23.19	<=33.01	Pass		
		50	0	21.07	1.19	22.26	<=33.01	Pass		
			25	21.07	1.19	22.26	<=33.01	Pass		
			50	21.01	1.19	22.20	<=33.01	Pass		
		100	0	21.02	1.19	22.21	<=33.01	Pass		
		2610	1	0	21.90	1.19	23.09	<=33.01	Pass	
				50	21.67	1.19	22.86	<=33.01	Pass	
99				21.73	1.19	22.92	<=33.01	Pass		
50			0	20.93	1.19	22.12	<=33.01	Pass		
			25	20.89	1.19	22.08	<=33.01	Pass		
			50	20.88	1.19	22.07	<=33.01	Pass		
100			0	20.92	1.19	22.11	<=33.01	Pass		
Note1: EIRP=Conducted Power+Antenna Gain										

2. Frequency Stability

2.1 Test Result

2.1.1 B38_10MHz

Band: 38 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2595	50	0	20	3.6	-2.060	-0.0008	-2.5 to 2.5	Pass
					3.85	-7.553	-0.0029	-2.5 to 2.5	Pass
					4.3	-4.349	-0.0017	-2.5 to 2.5	Pass
				-30	3.85	-0.415	-0.0002	-2.5 to 2.5	Pass
				-20	3.85	-3.819	-0.0015	-2.5 to 2.5	Pass
				-10	3.85	-1.845	-0.0007	-2.5 to 2.5	Pass
				0	3.85	0.873	0.0003	-2.5 to 2.5	Pass
				10	3.85	-1.087	-0.0004	-2.5 to 2.5	Pass
				30	3.85	-0.143	-0.0001	-2.5 to 2.5	Pass
				40	3.85	-1.473	-0.0006	-2.5 to 2.5	Pass
				50	3.85	-1.717	-0.0007	-2.5 to 2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 Band38_OBW

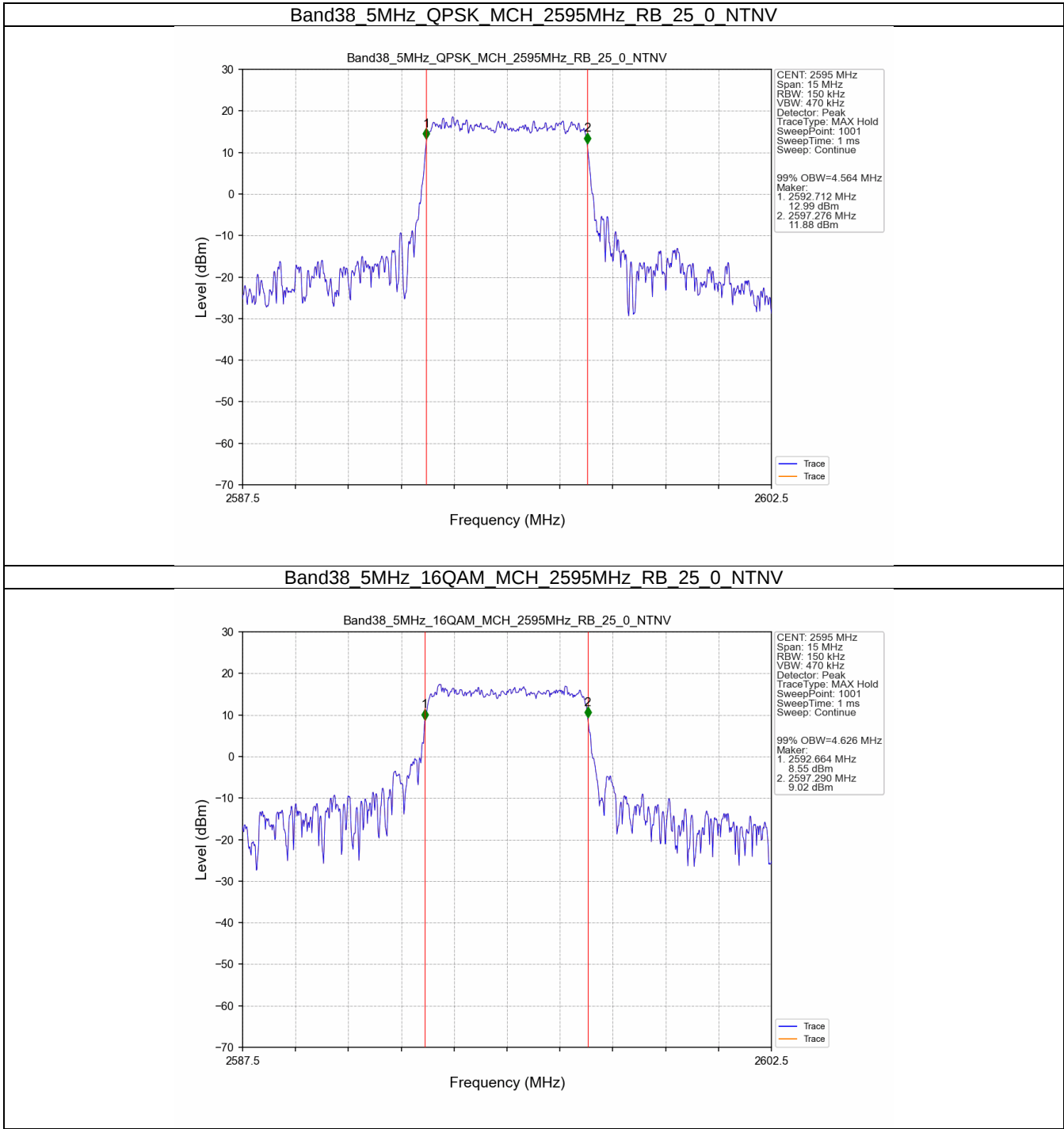
Band: 38 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2595	25	0	4.564	/	Pass
	16QAM	2595	25	0	4.626	/	Pass
10	QPSK	2595	50	0	9.123	/	Pass
	16QAM	2595	50	0	9.395	/	Pass
15	QPSK	2595	75	0	13.717	/	Pass
	16QAM	2595	75	0	14.470	/	Pass
20	QPSK	2595	100	0	18.591	/	Pass
	16QAM	2595	100	0	18.633	/	Pass

3.1.2 Band38_XDB

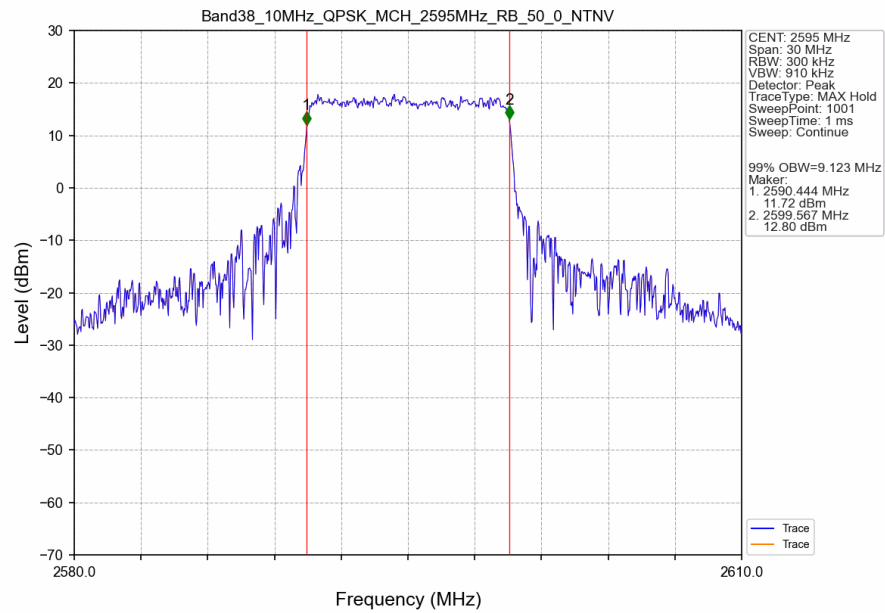
Band: 38 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2595	25	0	5.461	/	Pass
	16QAM	2595	25	0	6.840	/	Pass
10	QPSK	2595	50	0	13.397	/	Pass
	16QAM	2595	50	0	17.034	/	Pass
15	QPSK	2595	75	0	23.103	/	Pass
	16QAM	2595	75	0	31.868	/	Pass
20	QPSK	2595	100	0	32.689	/	Pass
	16QAM	2595	100	0	37.879	/	Pass

3.2 Test Graph

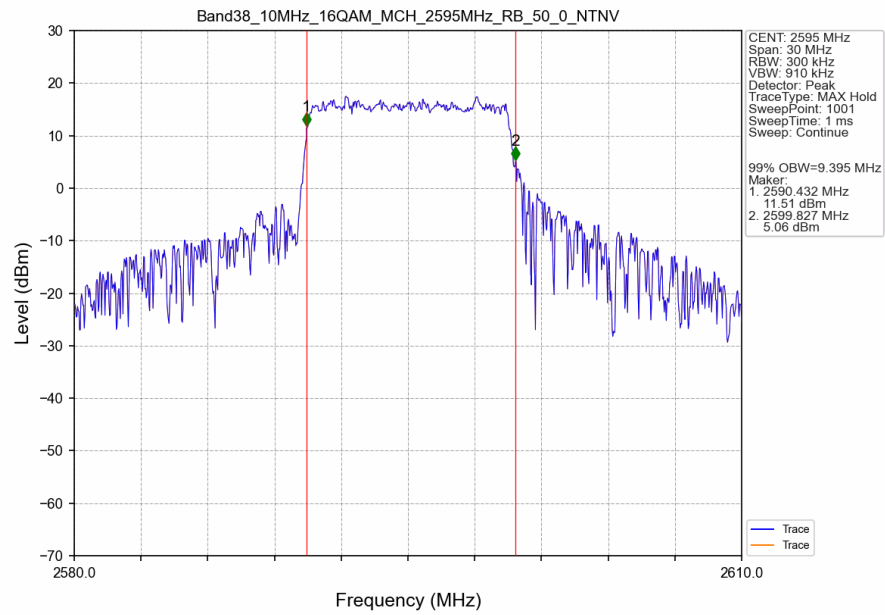
3.2.1 Band38_OBW



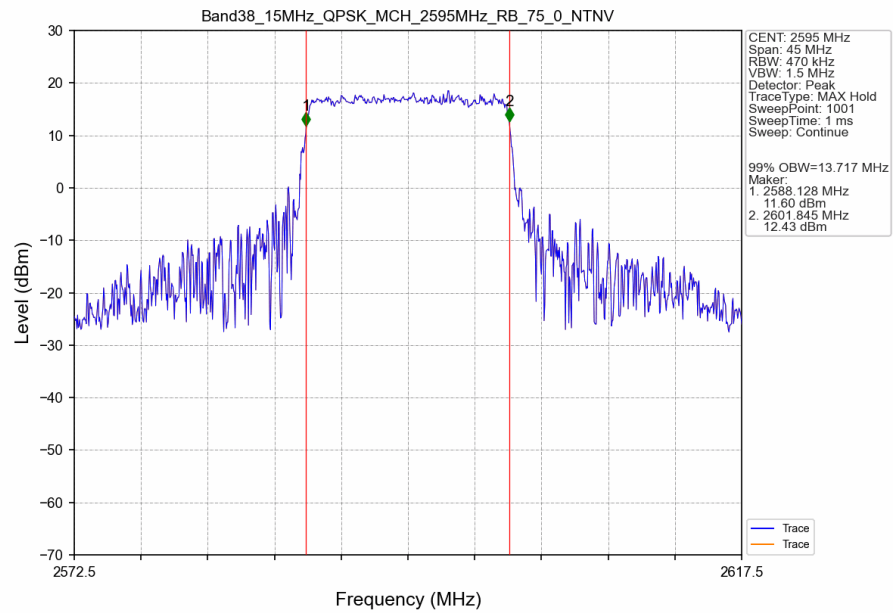
Band38 10MHz QPSK MCH 2595MHz RB 50 0 NTNV



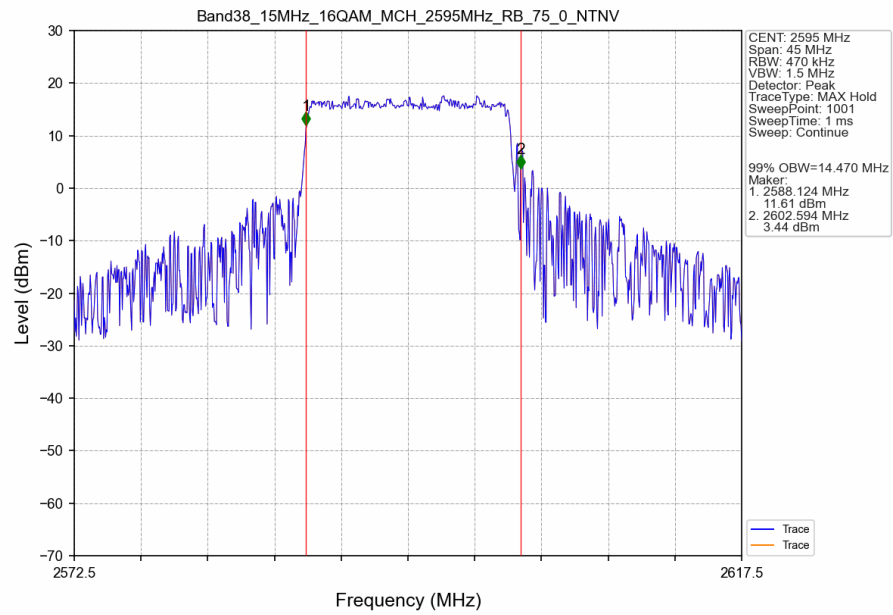
Band38 10MHz 16QAM MCH 2595MHz RB 50 0 NTNV



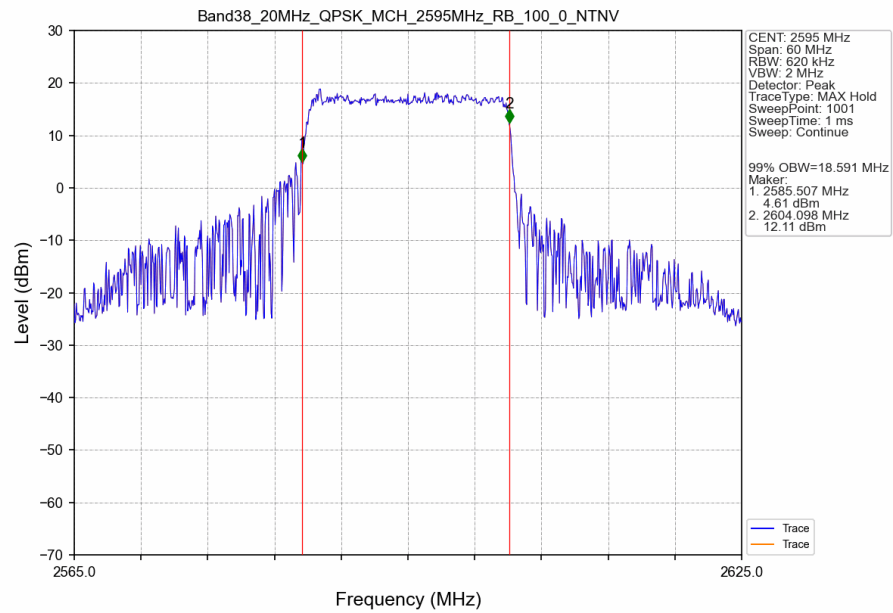
Band38 15MHz QPSK MCH 2595MHz RB 75 0 NTNV



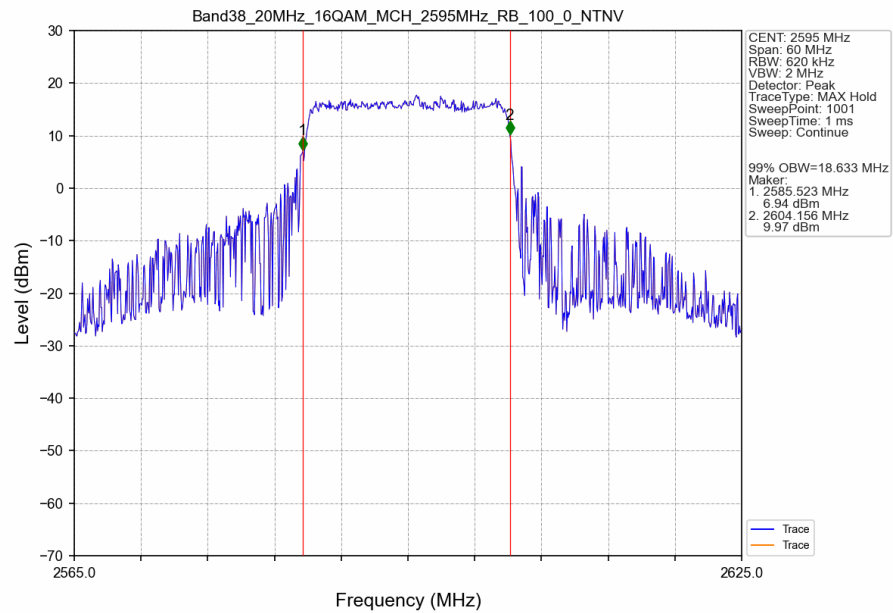
Band38 15MHz 16QAM MCH 2595MHz RB 75 0 NTNV



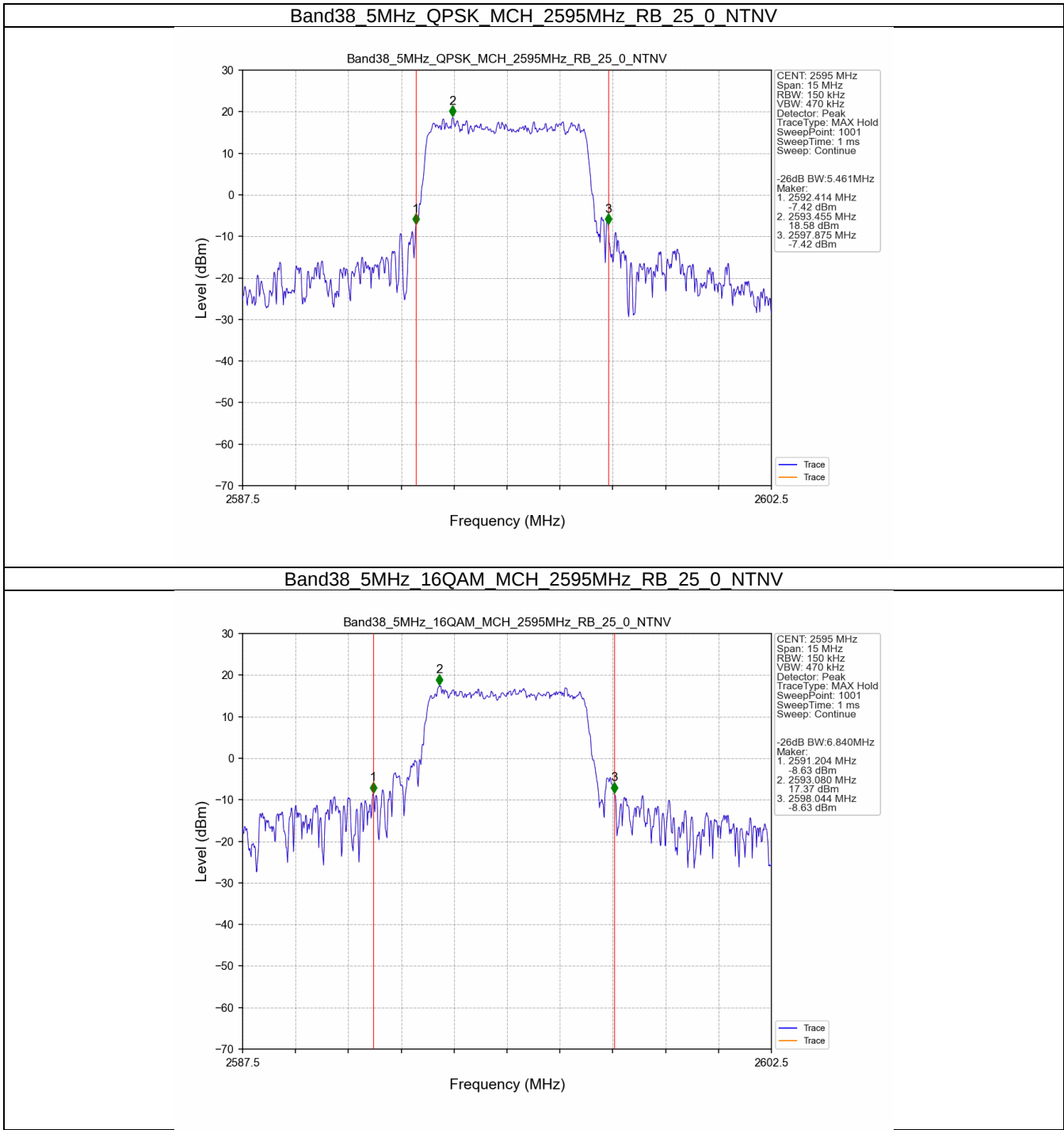
Band38 20MHz QPSK MCH 2595MHz RB 100 0 NTV



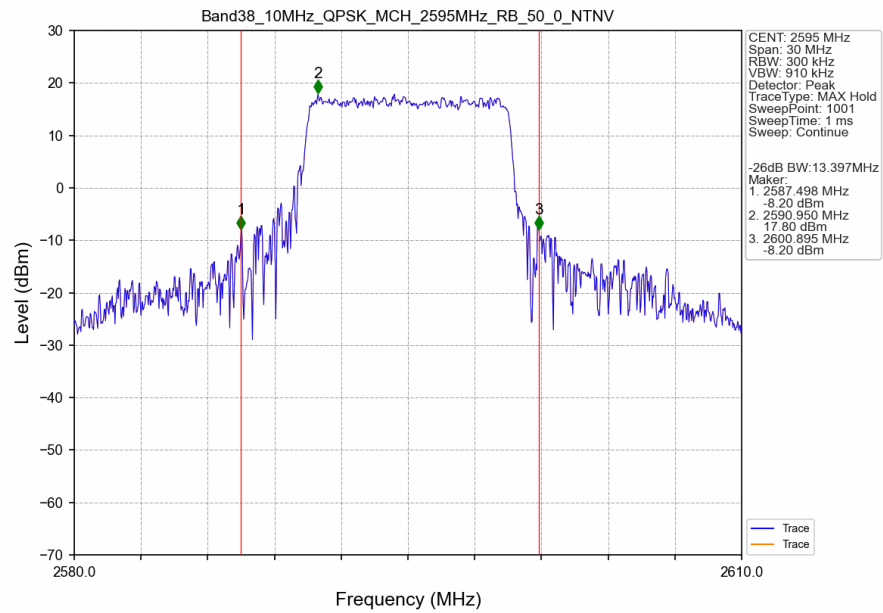
Band38 20MHz 16QAM MCH 2595MHz RB 100 0 NTV



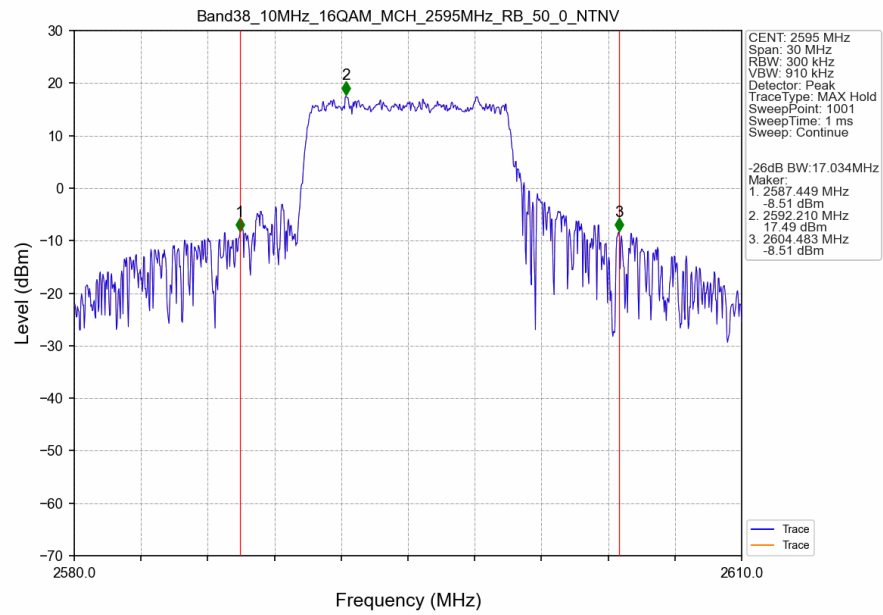
3.2.2 Band38_XDB



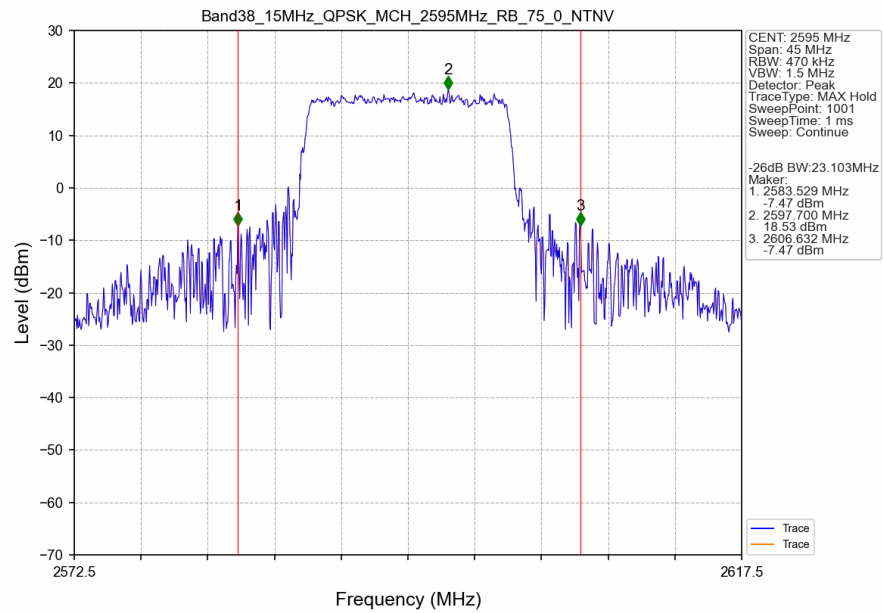
Band38 10MHz QPSK MCH 2595MHz RB 50 0 NTN



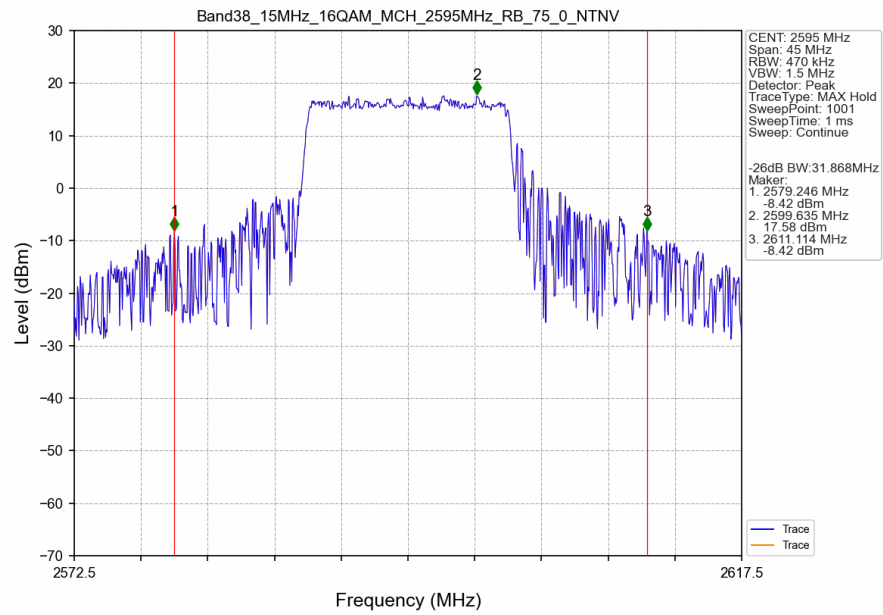
Band38 10MHz 16QAM MCH 2595MHz RB 50 0 NTN



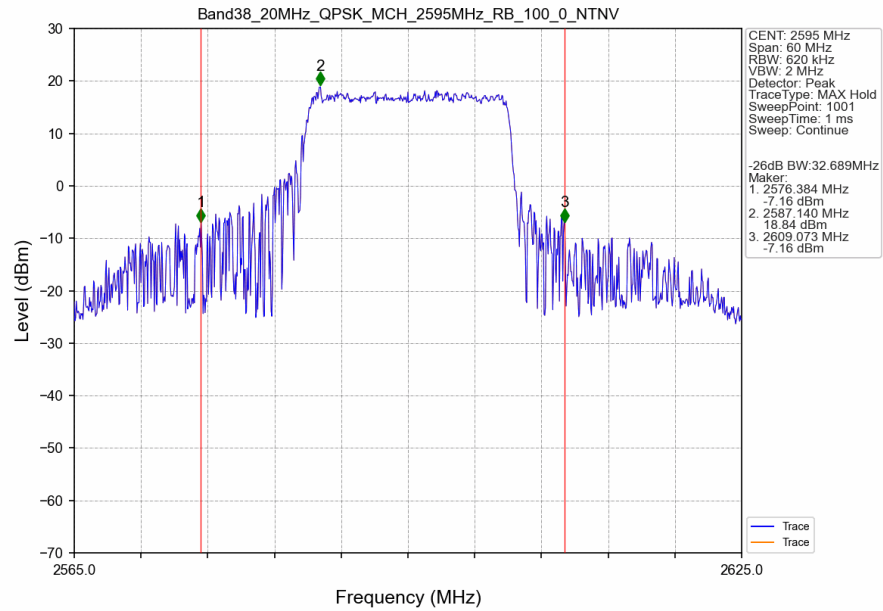
Band38 15MHz QPSK MCH 2595MHz RB 75 0 NTNV



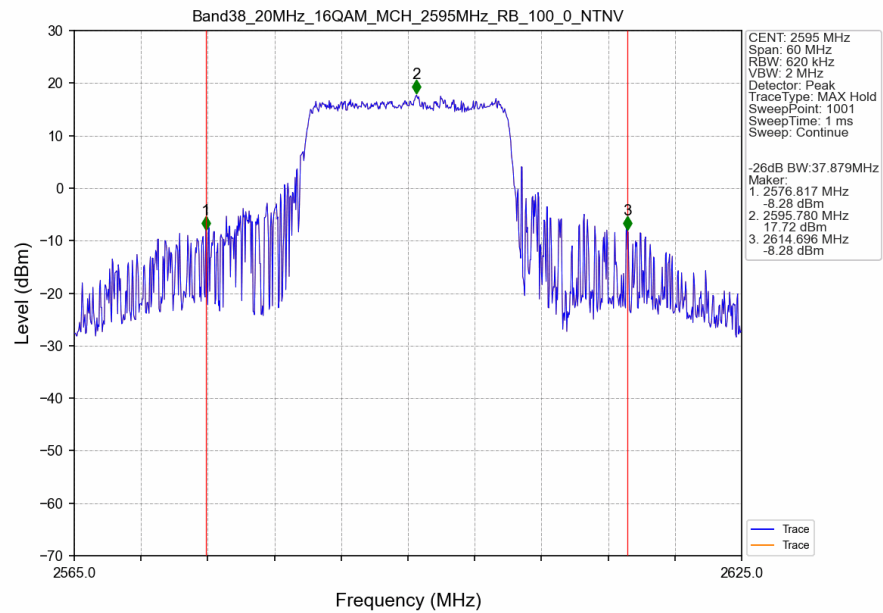
Band38 15MHz 16QAM MCH 2595MHz RB 75 0 NTNV



Band38 20MHz QPSK MCH 2595MHz RB 100 0 NTV



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



4. Peak-Average Ratio

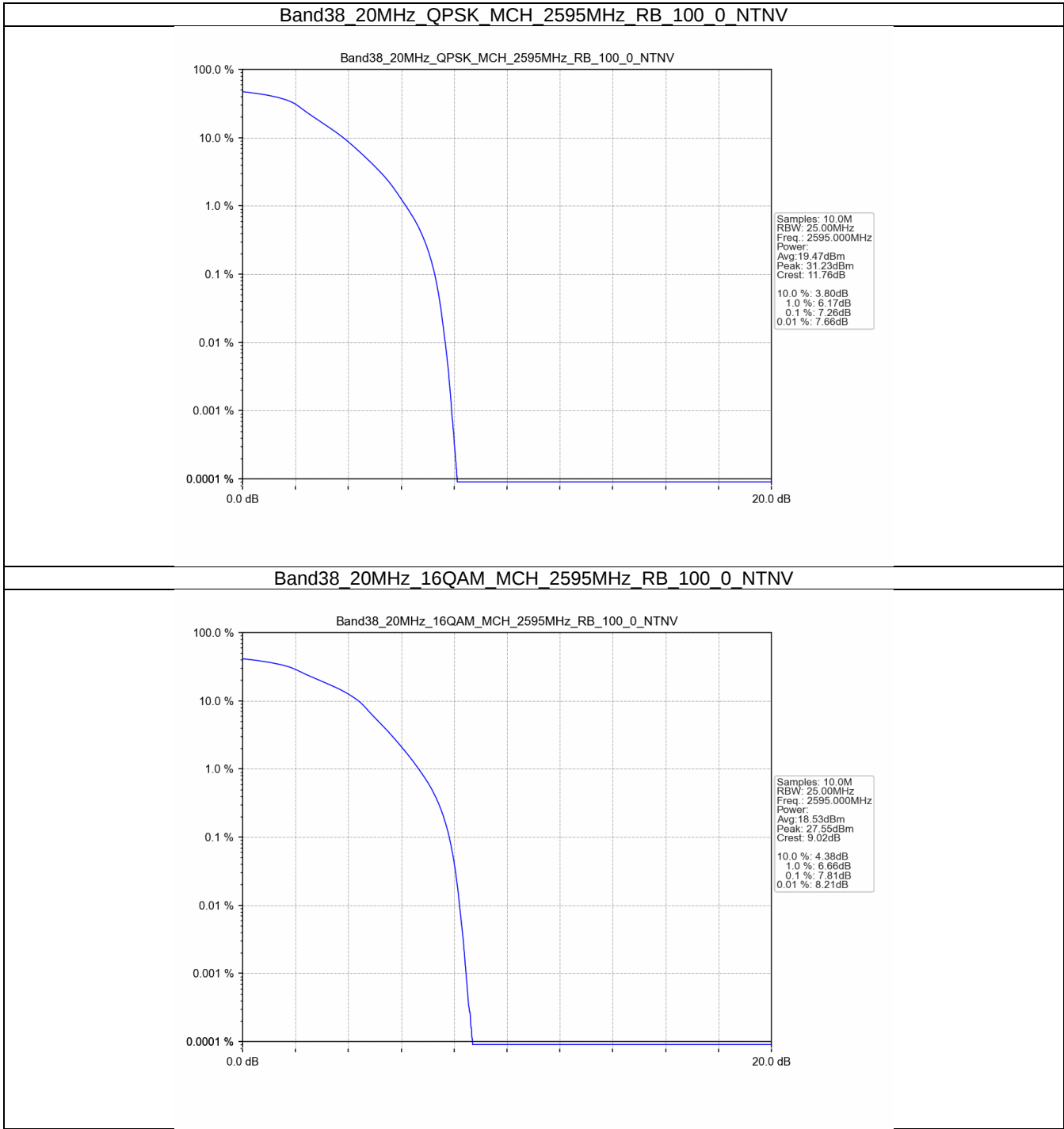
4.1 Test Result

4.1.1 B38_20MHz

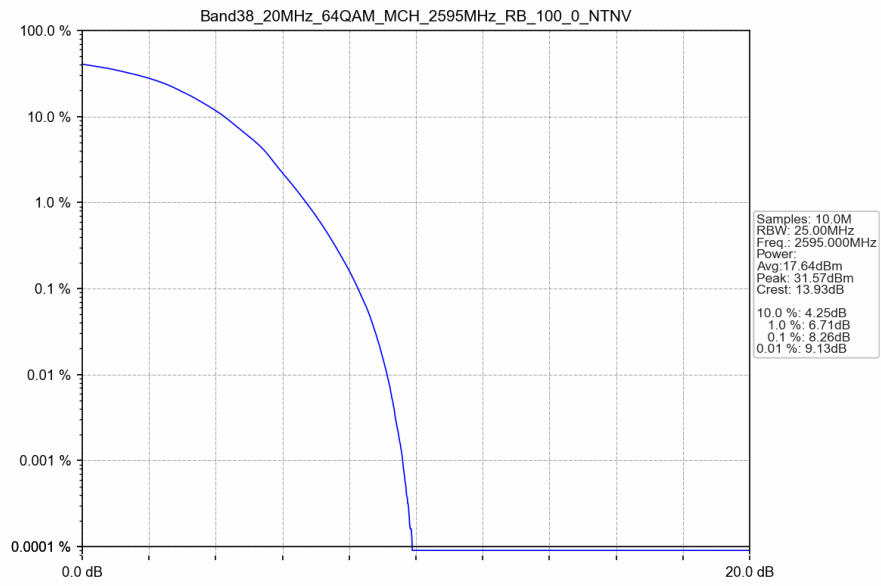
Band: 38 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2595	100	0	7.26	<=13	Pass
16QAM	2595	100	0	7.81	<=13	Pass
64QAM	2595	100	0	8.26	<=13	Pass

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

5.1.3 B38_15MHz

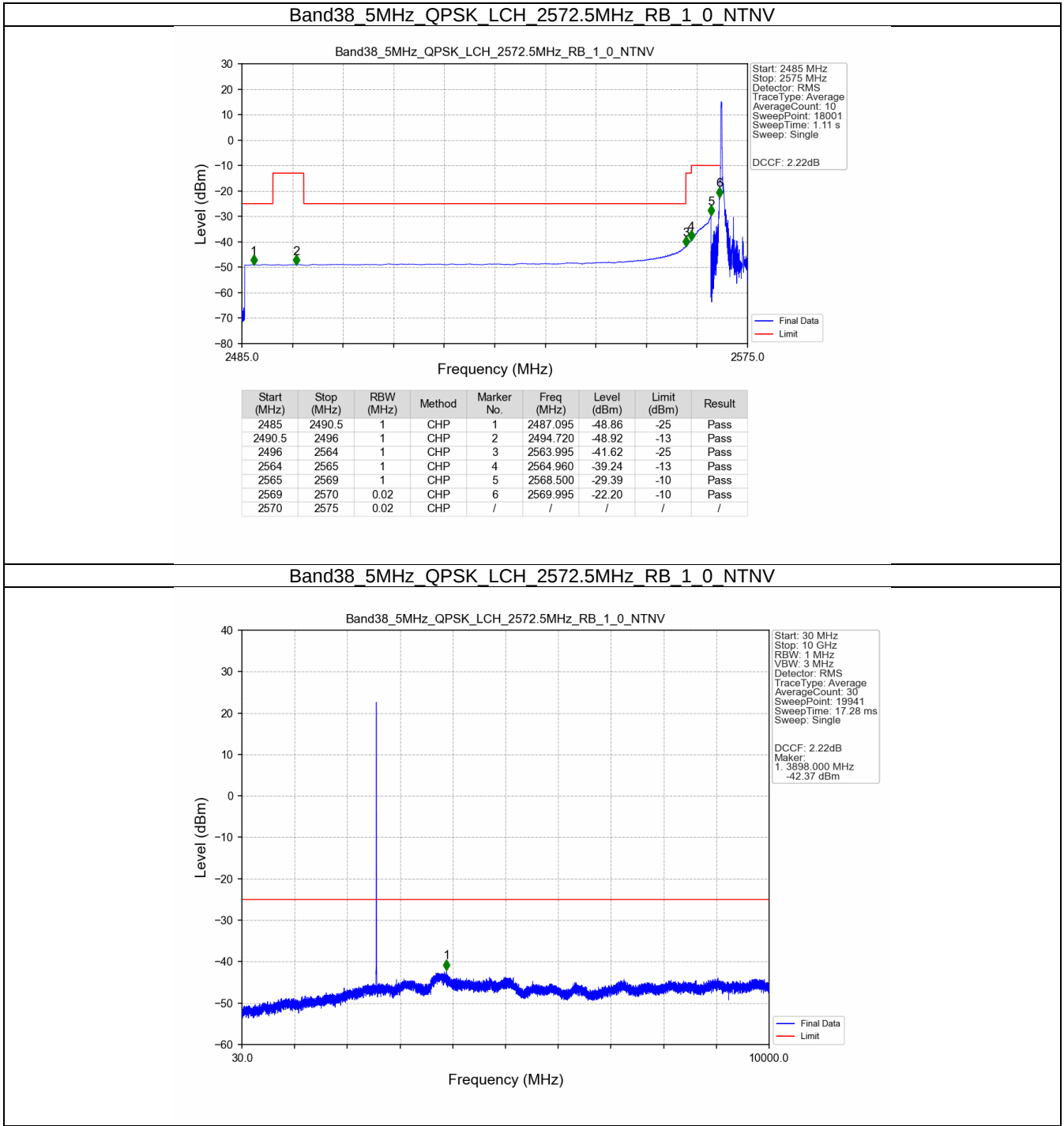
Band: 38 / Bandwidth: 15MHz / NTVN						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	2577.5	1	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	2595	1	0	Refer To Test Graph		Pass
	2612.5	1	0	Refer To Test Graph		Pass
			74	Refer To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

5.1.4 B38_20MHz

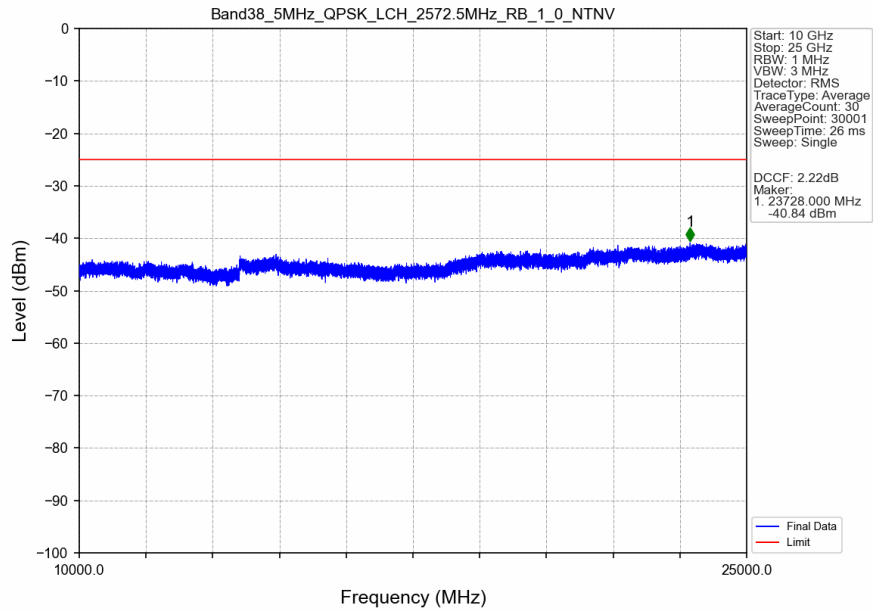
Band: 38 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	2580	1	0	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	2595	1	0	Refer To Test Graph		Pass
	2610	1	0	Refer To Test Graph		Pass
			99	Refer To Test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

5.2 Test Graph

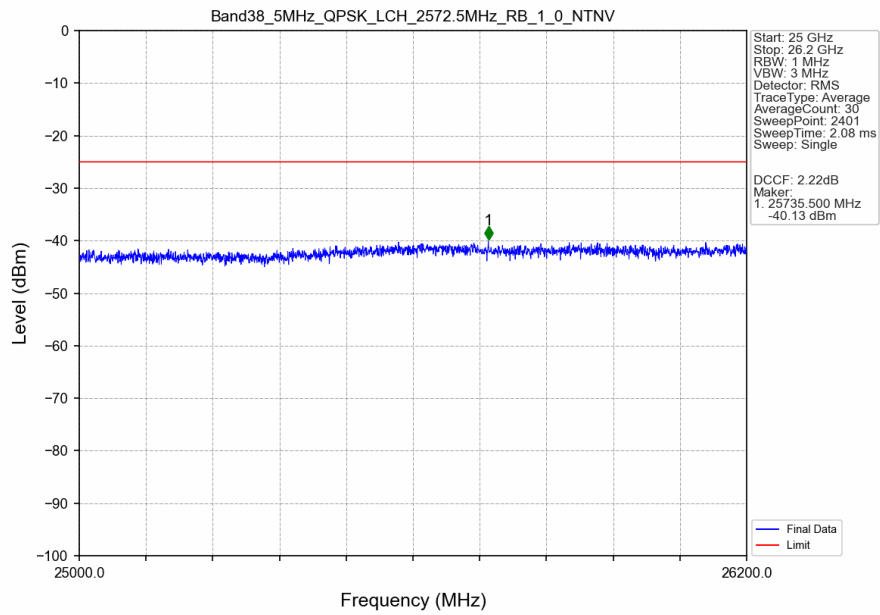
5.2.1 B38_5MHz



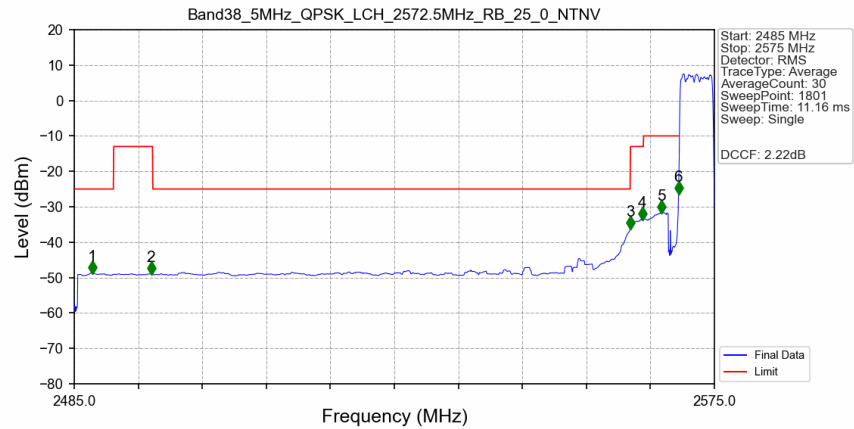
Band38 5MHz QPSK LCH 2572.5MHz RB 1 0 NTNV



Band38 5MHz QPSK LCH 2572.5MHz RB 1 0 NTNV

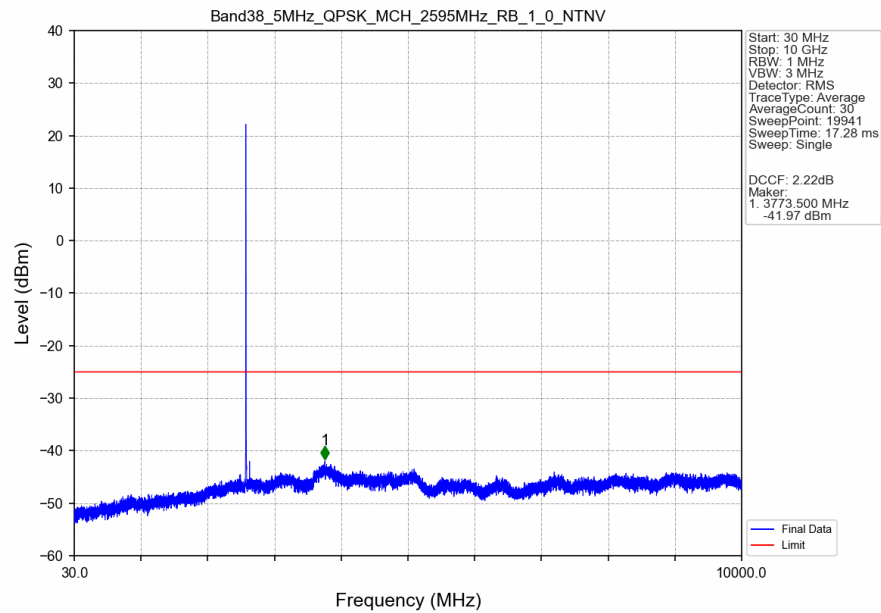


Band38 5MHz QPSK LCH 2572.5MHz RB 25 0 NTNV

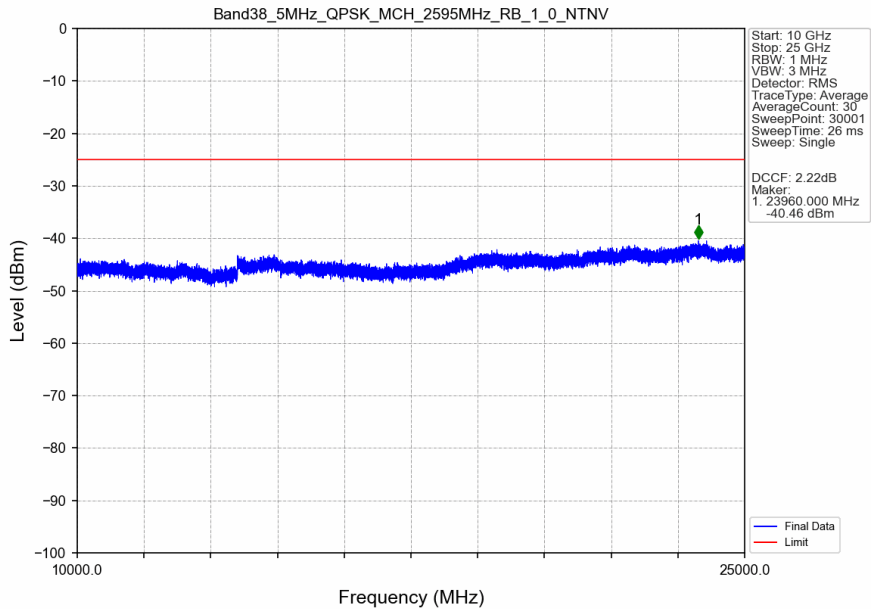


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2487.550	-48.67	-25	Pass
2490.5	2496	1	CHP	2	2495.800	-48.90	-13	Pass
2496	2563.16	1	CHP	3	2563.150	-36.08	-25	Pass
2563.16	2565	1	CHP	4	2564.900	-33.52	-13	Pass
2565	2569	1	CHP	5	2567.500	-31.63	-10	Pass
2569	2570	0.137	CHP	6	2569.950	-26.31	-10	Pass
2570	2575	0.137	CHP	/	/	/	/	/

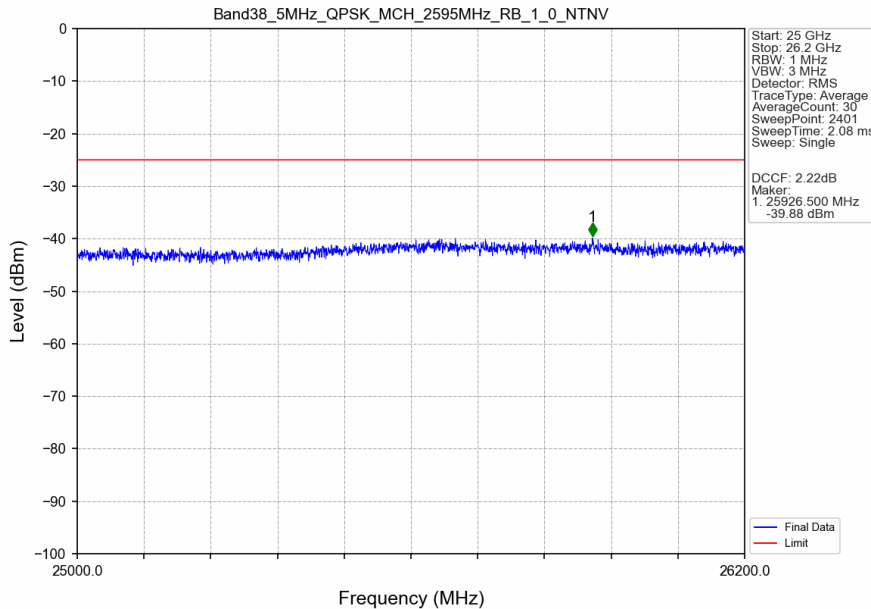
Band38 5MHz QPSK MCH 2595MHz RB 1 0 NTNV



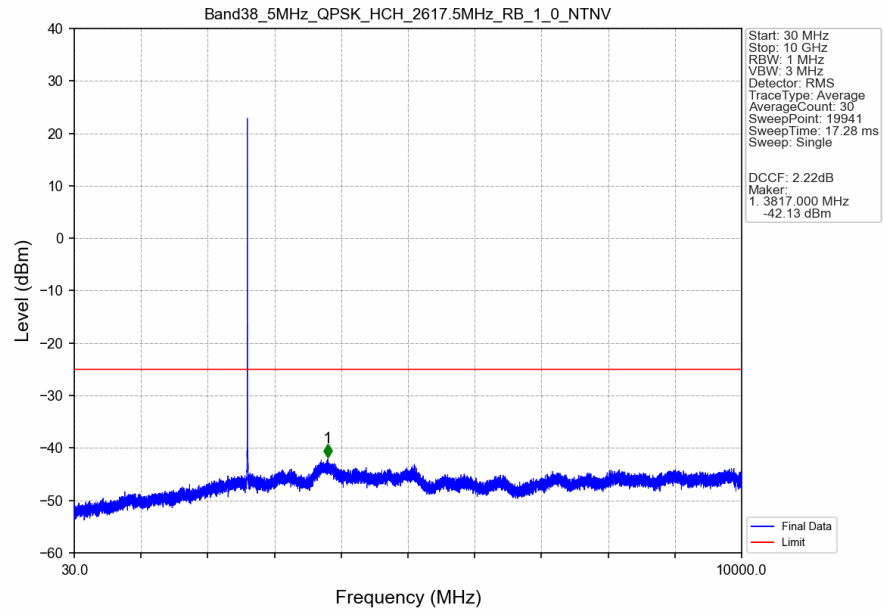
Band38_5MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



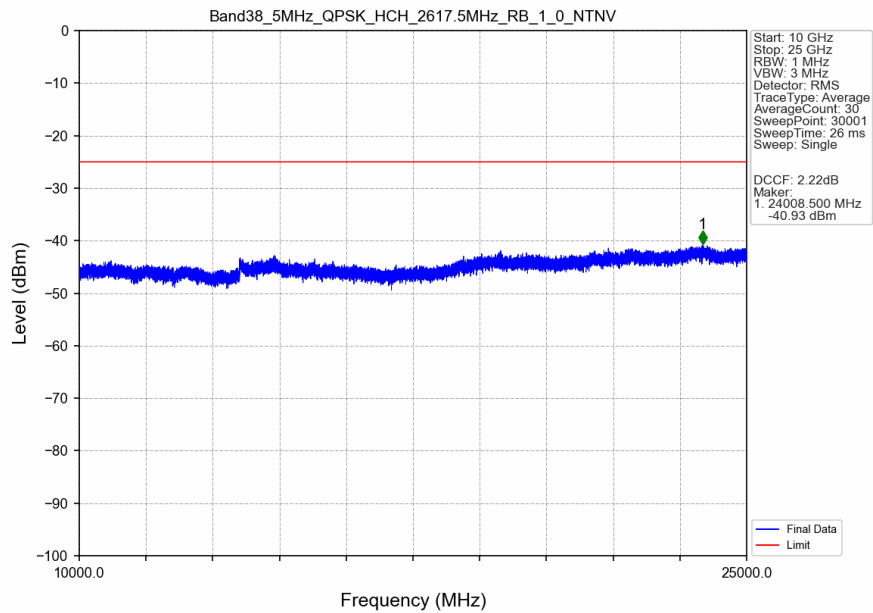
Band38_5MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



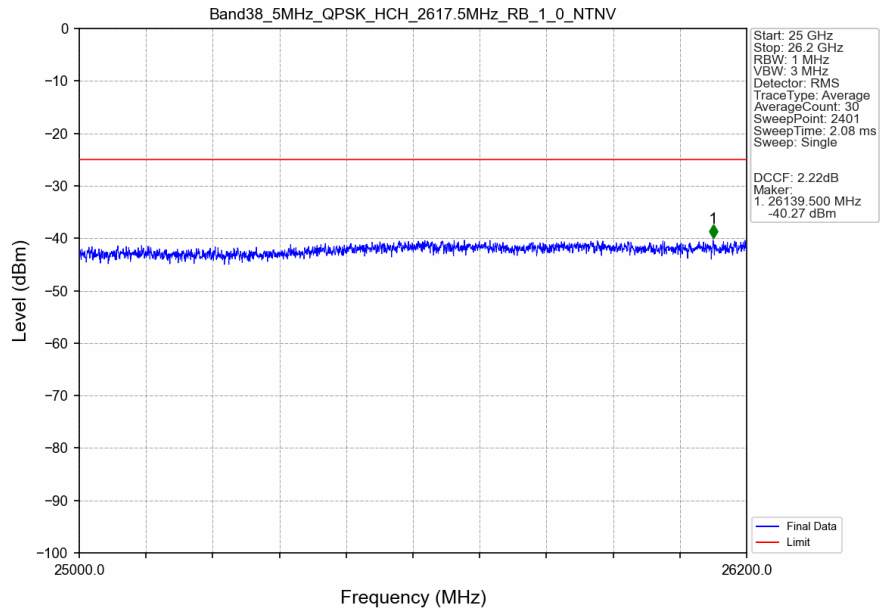
Band38 5MHz QPSK HCH 2617.5MHz RB 1 0 NTV



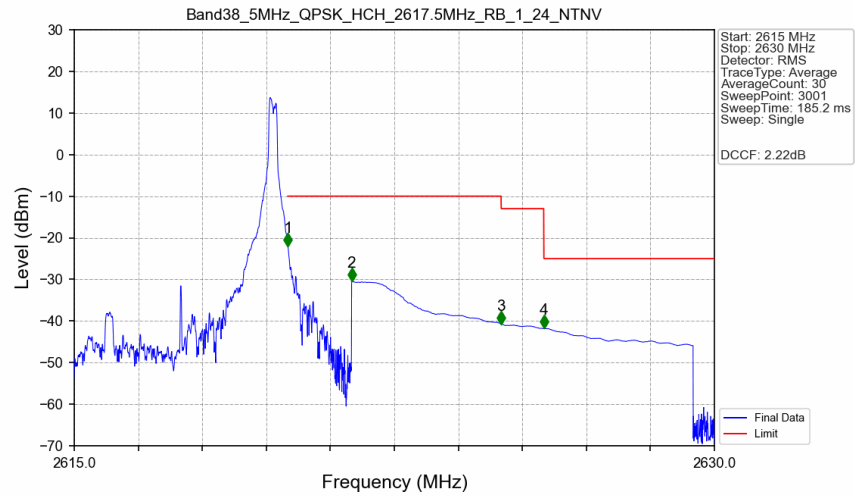
Band38 5MHz QPSK HCH 2617.5MHz RB 1 0 NTV



Band38 5MHz QPSK HCH 2617.5MHz RB 1 0 NTV

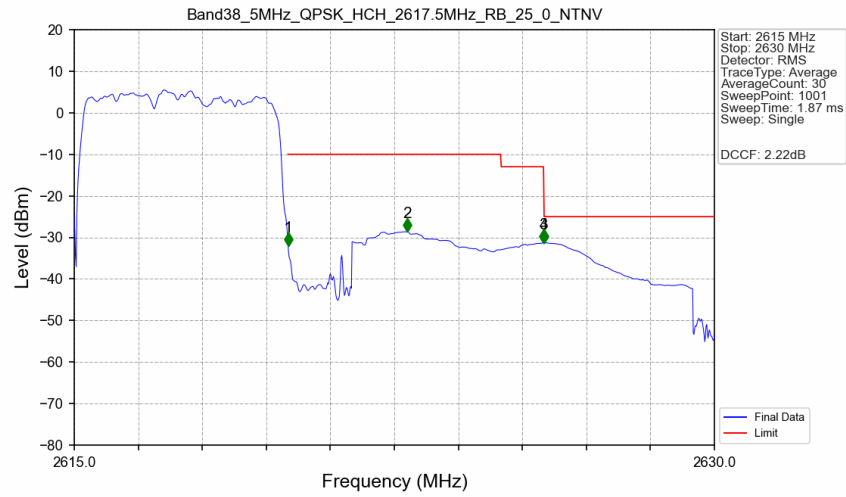


Band38 5MHz QPSK HCH 2617.5MHz RB 1 24 NTV



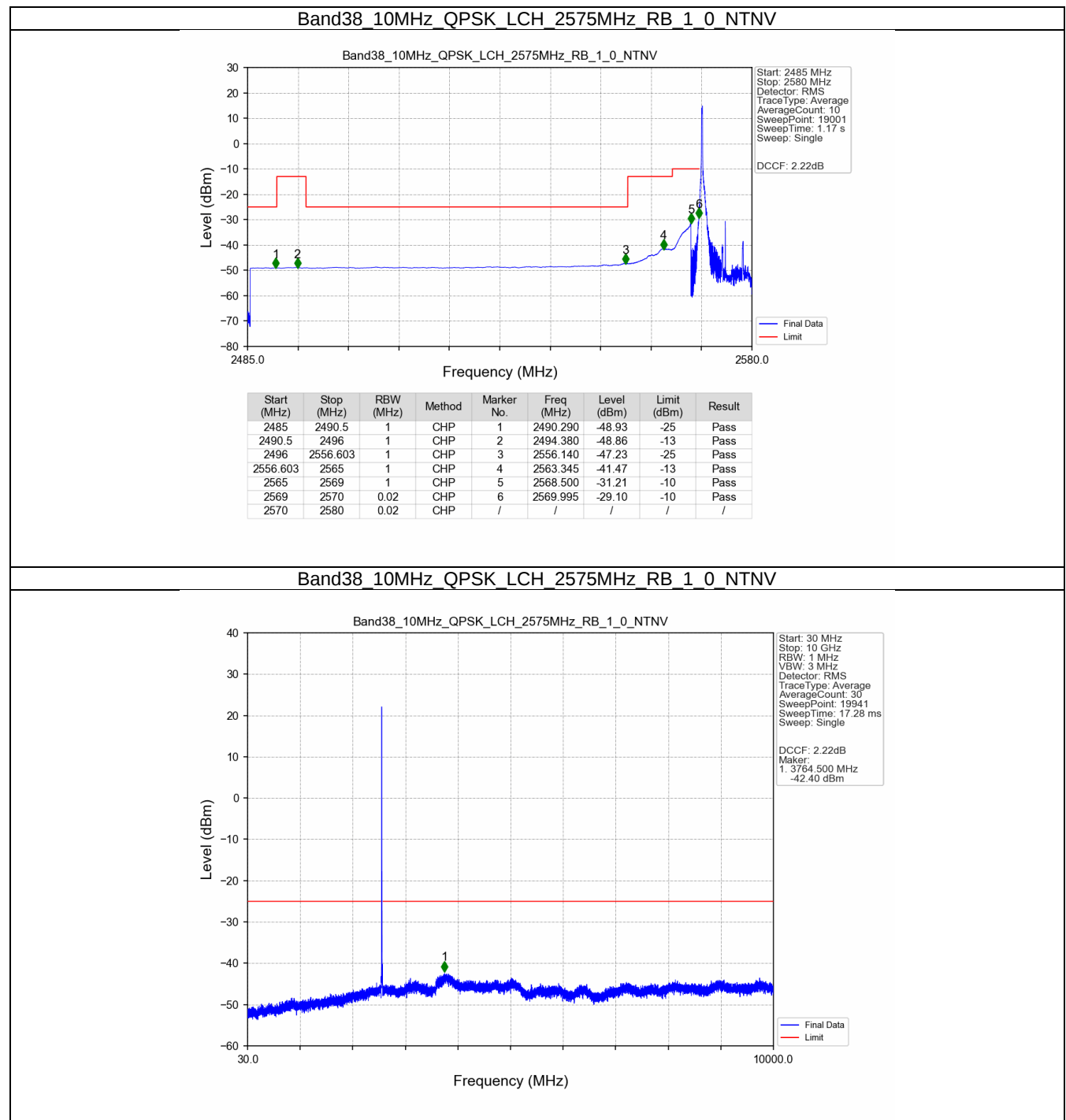
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2615	2620	0.02	CHP	/	/	/	/	/
2620	2621	0.02	CHP	1	2620.005	-22.11	-10	Pass
2621	2625	1	CHP	2	2621.500	-30.47	-10	Pass
2625	2626	1	CHP	3	2625.005	-40.77	-13	Pass
2626	2630	1	CHP	4	2626.010	-41.79	-25	Pass

Band38 5MHz QPSK HCH 2617.5MHz RB 25 0 NTNV

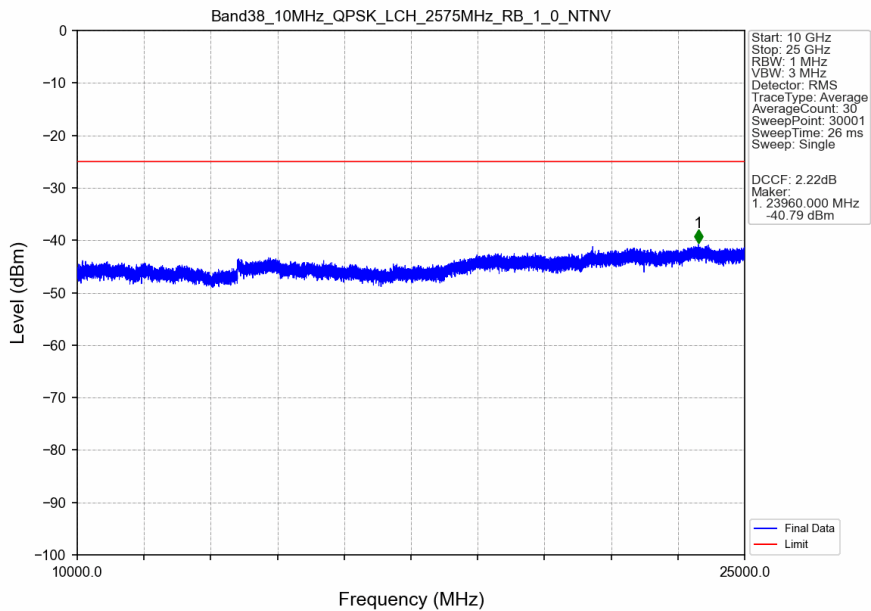


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2615	2620	0.109	CHP	/	/	/	/	/
2620	2621	0.109	CHP	1	2620.010	-32.03	-10	Pass
2621	2625	1	CHP	2	2622.800	-28.62	-10	Pass
2625	2626	1	CHP	3	2625.995	-31.30	-13	Pass
2626	2630	1	CHP	4	2626.010	-31.28	-25	Pass

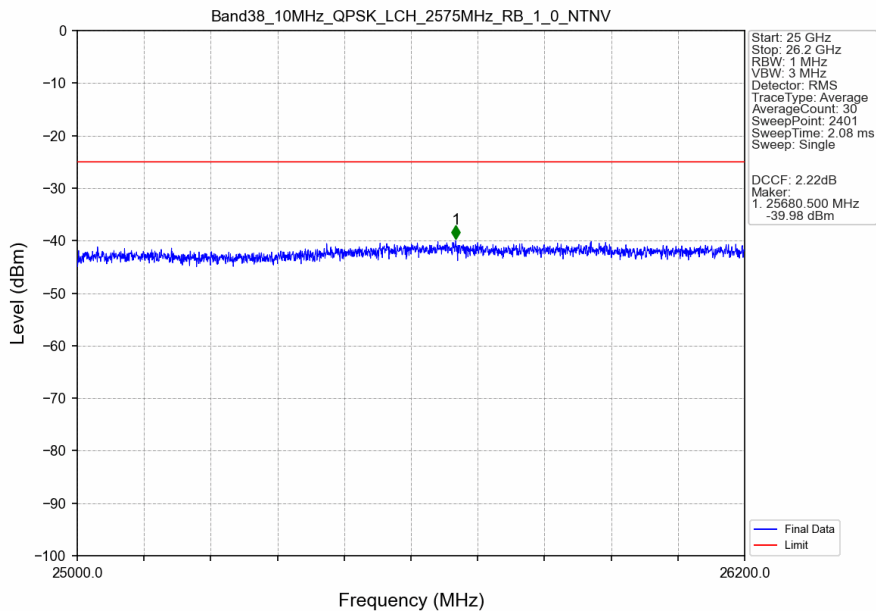
5.2.2 B38_10MHz



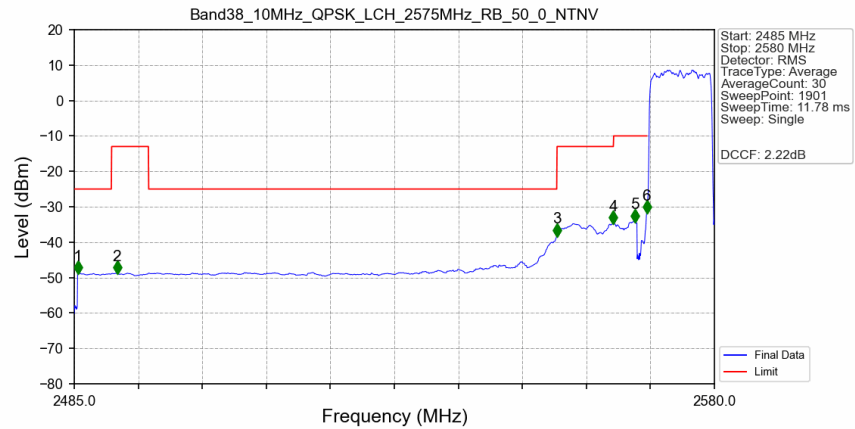
Band38 10MHz QPSK LCH 2575MHz RB 1 0 NTN



Band38 10MHz QPSK LCH 2575MHz RB 1 0 NTN

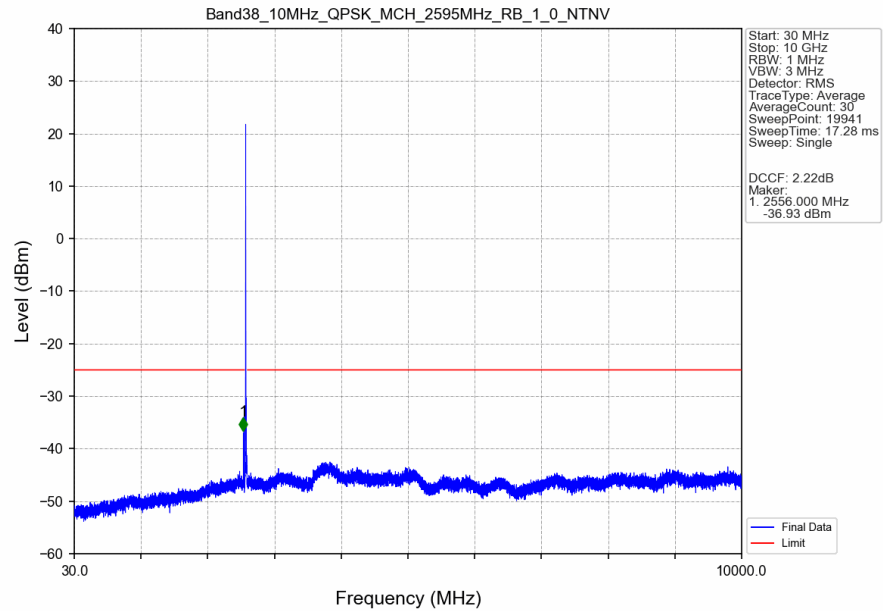


Band38 10MHz QPSK LCH 2575MHz RB 50 0 NTV

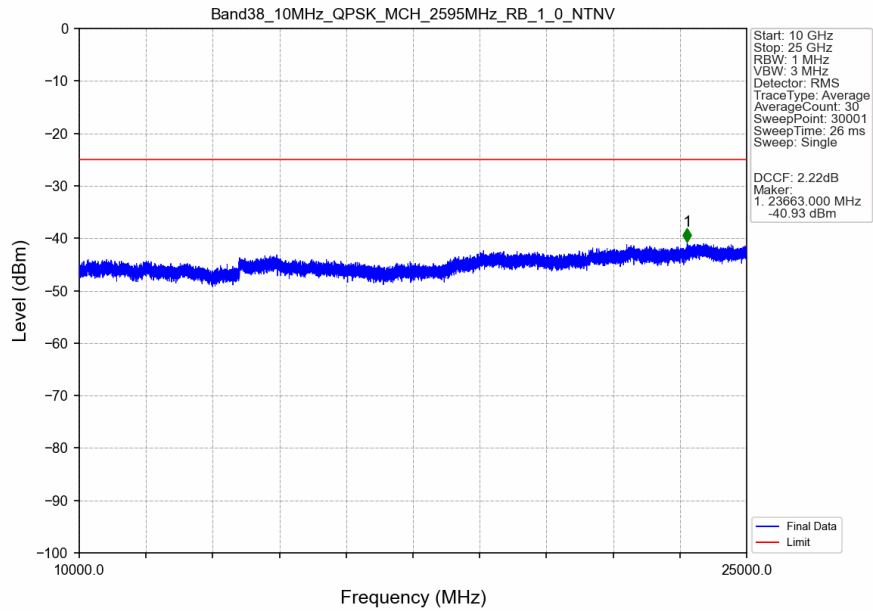


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2485.550	-48.77	-25	Pass
2490.5	2496	1	CHP	2	2491.350	-48.77	-13	Pass
2496	2556.603	1	CHP	3	2556.600	-38.16	-25	Pass
2556.603	2565	1	CHP	4	2565.000	-34.56	-13	Pass
2565	2569	1	CHP	5	2568.200	-34.05	-10	Pass
2569	2570	0.268	CHP	6	2569.950	-31.58	-10	Pass
2570	2580	0.268	CHP	/	/	/	/	/

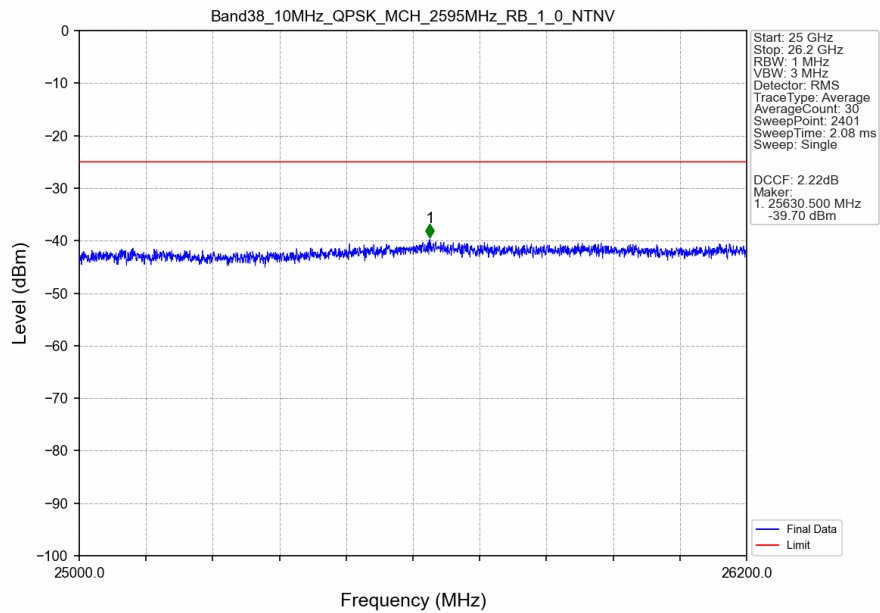
Band38 10MHz QPSK MCH 2595MHz RB 1 0 NTV



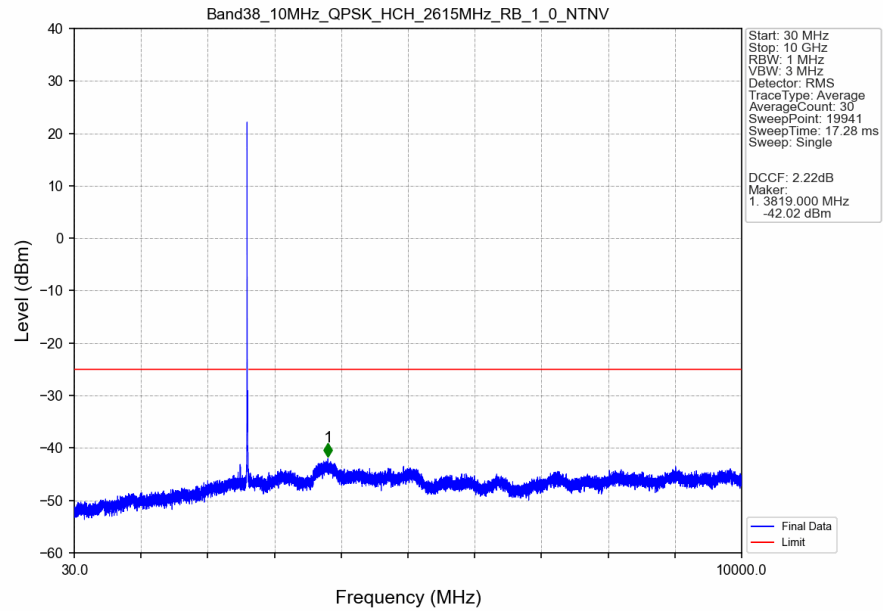
Band38_10MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



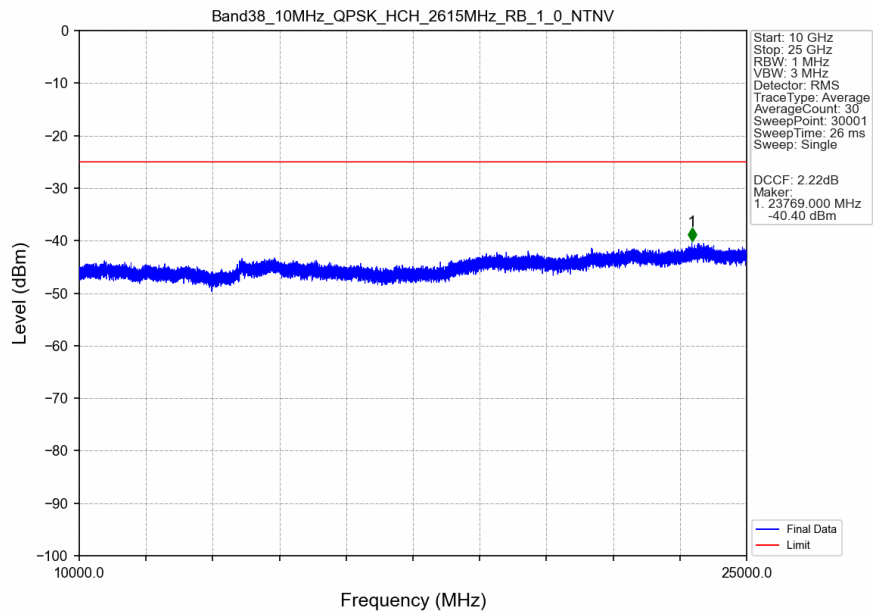
Band38_10MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



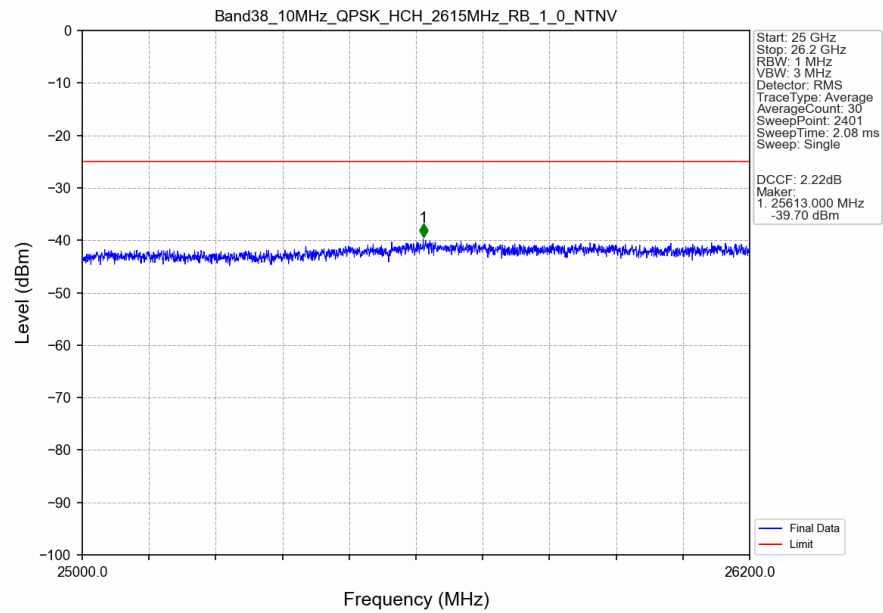
Band38 10MHz QPSK HCH 2615MHz RB 1 0 NTNV



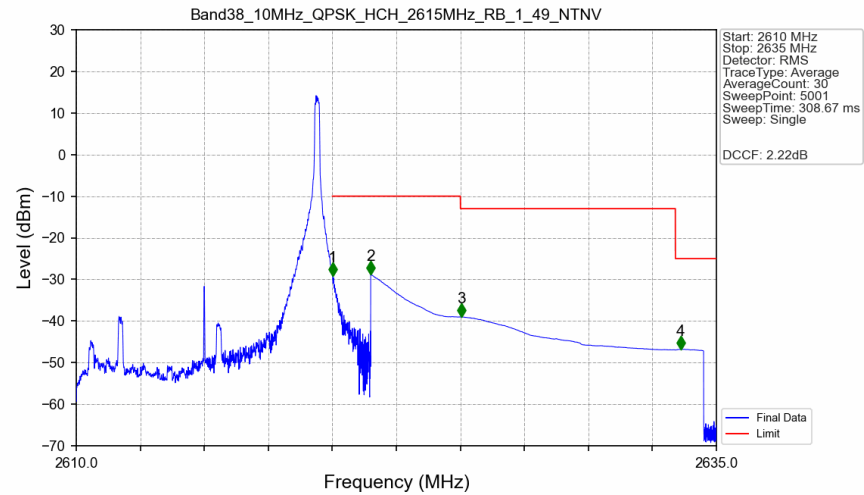
Band38 10MHz QPSK HCH 2615MHz RB 1 0 NTNV



Band38 10MHz QPSK HCH 2615MHz RB 1 0 NTNV

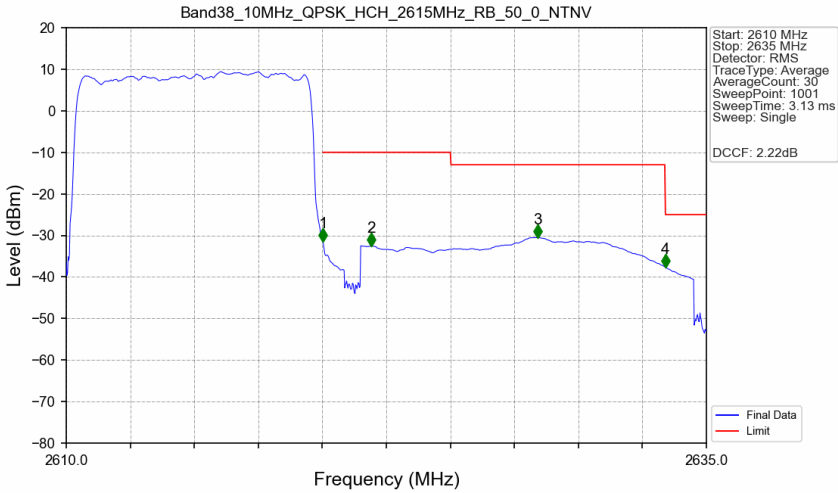


Band38 10MHz QPSK HCH 2615MHz RB 1 49 NTNV



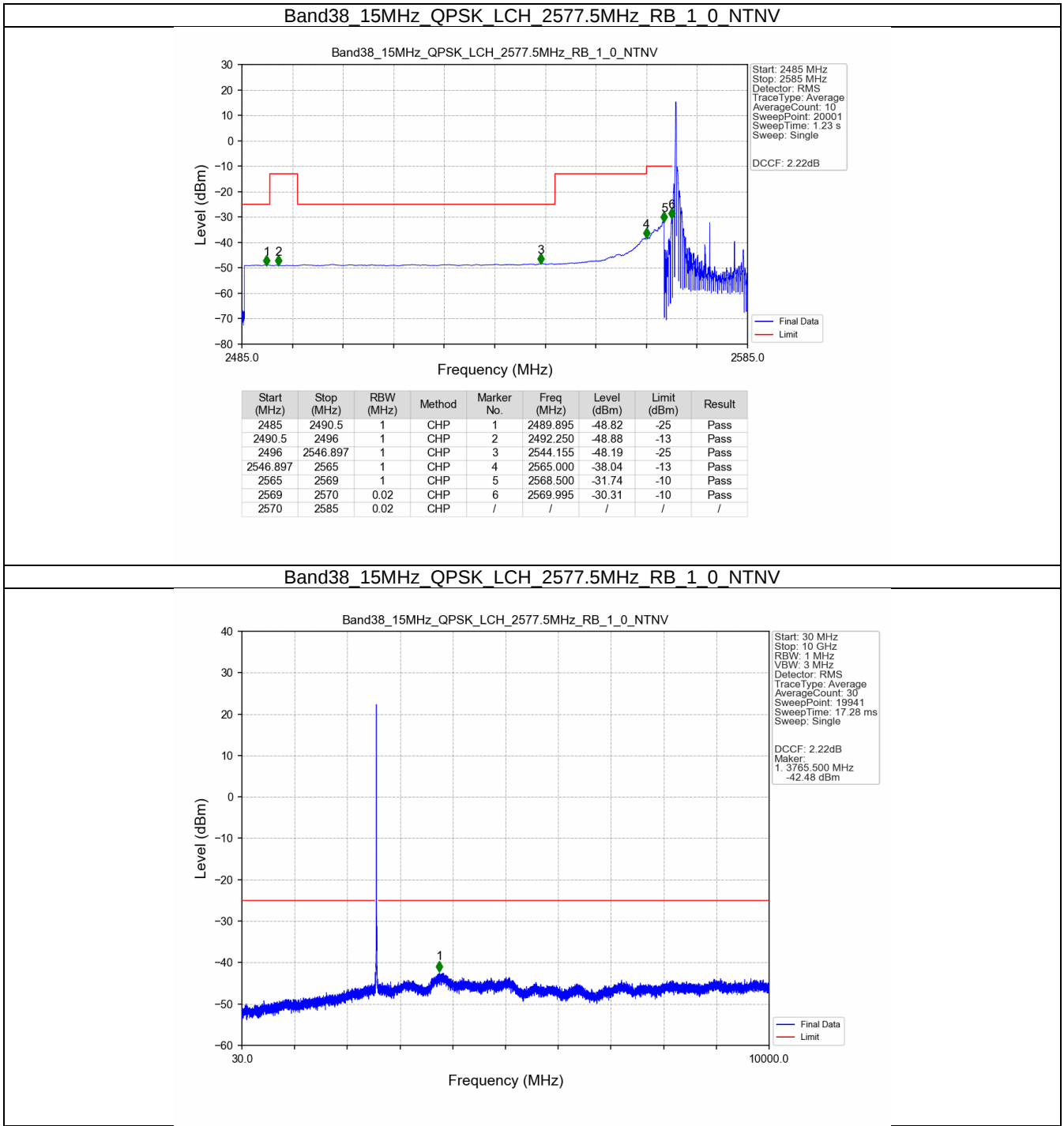
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2610	2620	0.02	CHP	/	/	/	/	/
2620	2621	0.02	CHP	1	2620.005	-29.09	-10	Pass
2621	2625	1	CHP	2	2621.500	-28.77	-10	Pass
2625	2633.397	1	CHP	3	2625.035	-39.01	-13	Pass
2633.397	2635	1	CHP	4	2633.600	-46.80	-25	Pass

Band38_10MHz_QPSK_HCH_2615MHz_RB_50_0_NTNV

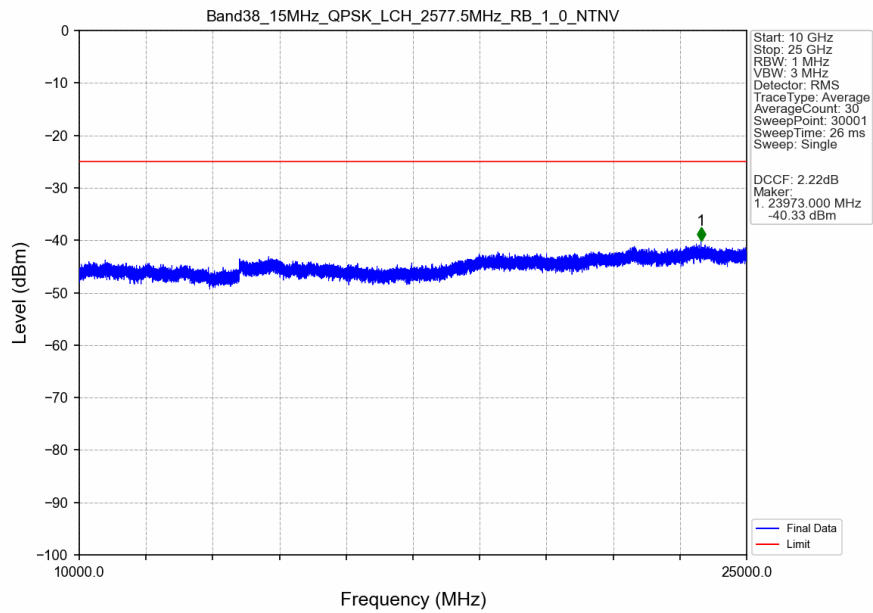


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2610	2620	0.268	CHP	/	/	/	/	/
2620	2621	0.268	CHP	1	2620.025	-31.42	-10	Pass
2621	2625	1	CHP	2	2621.900	-32.50	-10	Pass
2625	2633.397	1	CHP	3	2628.400	-30.52	-13	Pass
2633.397	2635	1	CHP	4	2633.400	-37.69	-25	Pass

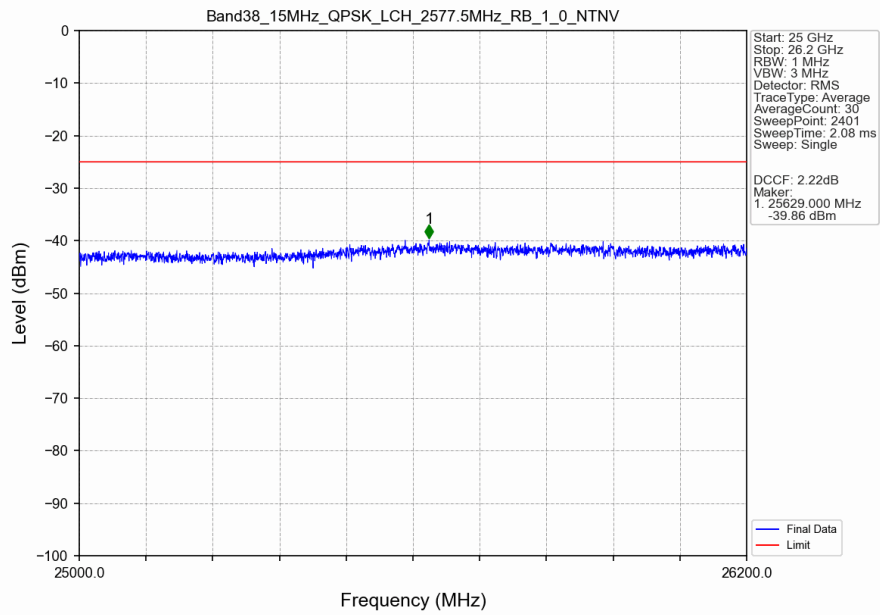
5.2.3 B38_15MHz



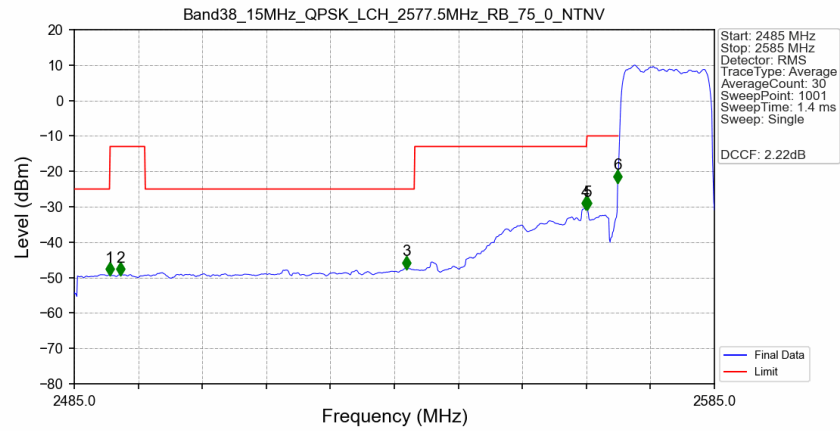
Band38_15MHz_QPSK_LCH_2577.5MHz_RB_1_0_NTNV



Band38_15MHz_QPSK_LCH_2577.5MHz_RB_1_0_NTNV

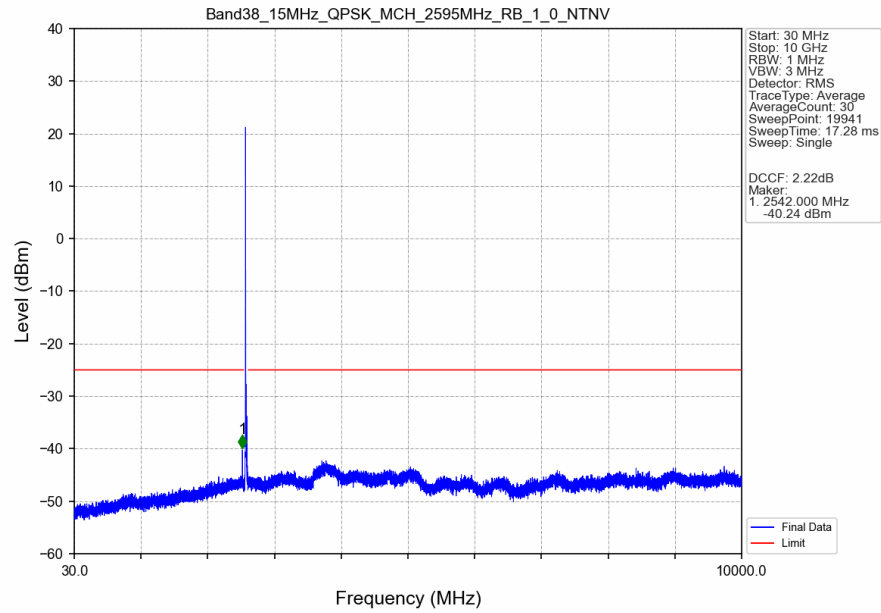


Band38 15MHz QPSK LCH 2577.5MHz RB 75 0 NTNV

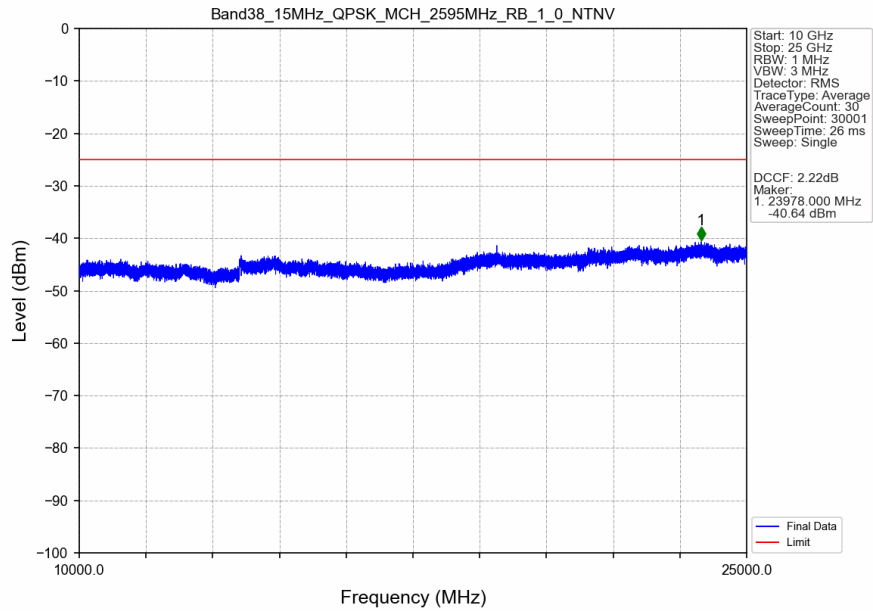


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2490.500	-49.17	-25	Pass
2490.5	2496	1	CHP	2	2492.200	-49.09	-13	Pass
2496	2538.132	1	CHP	3	2536.900	-47.29	-25	Pass
2538.132	2565	1	CHP	4	2564.900	-30.49	-13	Pass
2565	2569	1	CHP	5	2565.100	-30.55	-10	Pass
2569	2570	0.637	CHP	6	2569.900	-22.93	-10	Pass
2570	2585	0.637	CHP	/	/	/	/	/

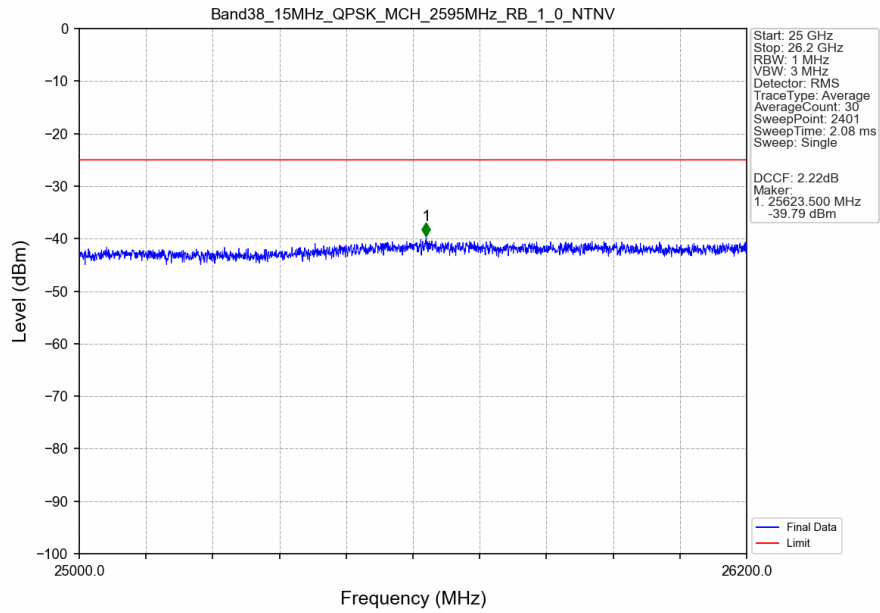
Band38 15MHz QPSK MCH 2595MHz RB 1 0 NTNV



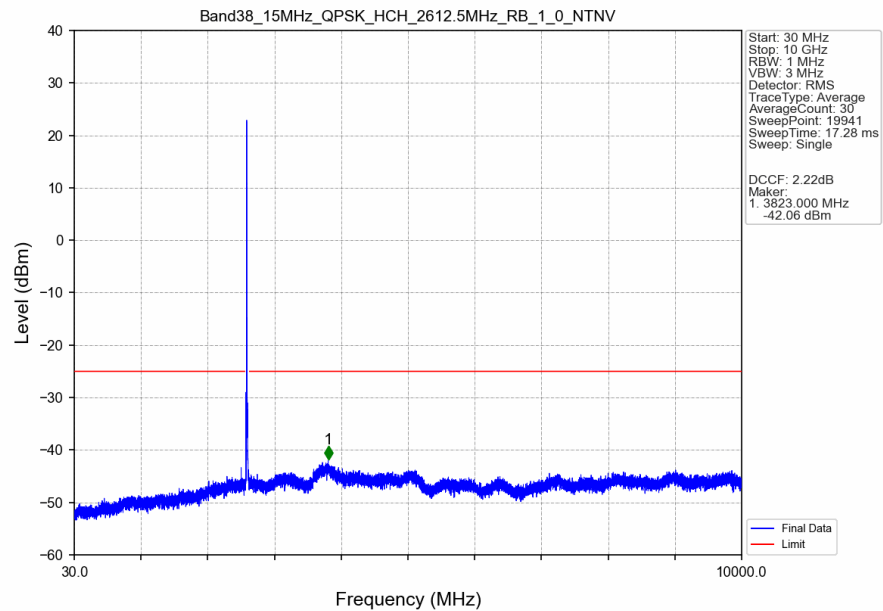
Band38_15MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



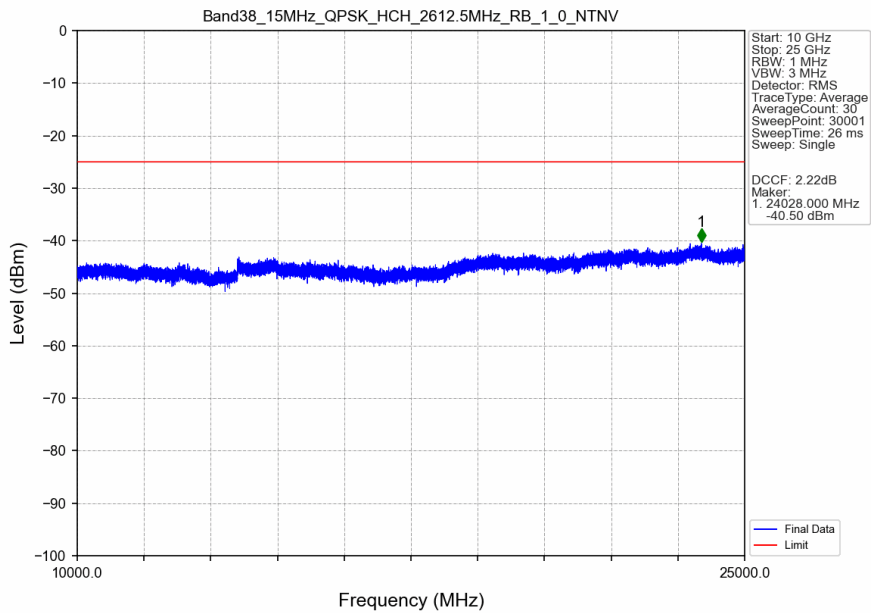
Band38_15MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



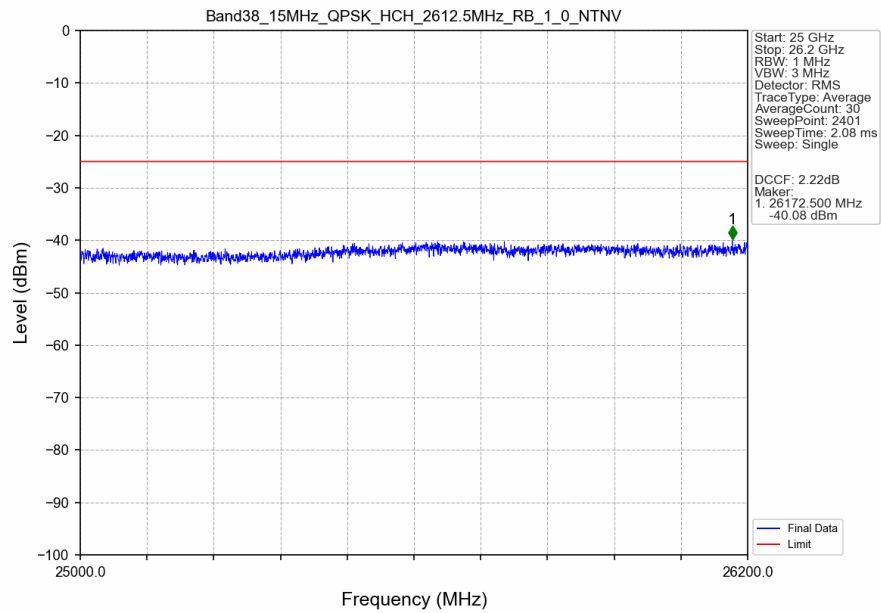
Band38 15MHz QPSK HCH 2612.5MHz RB 1 0 NTV



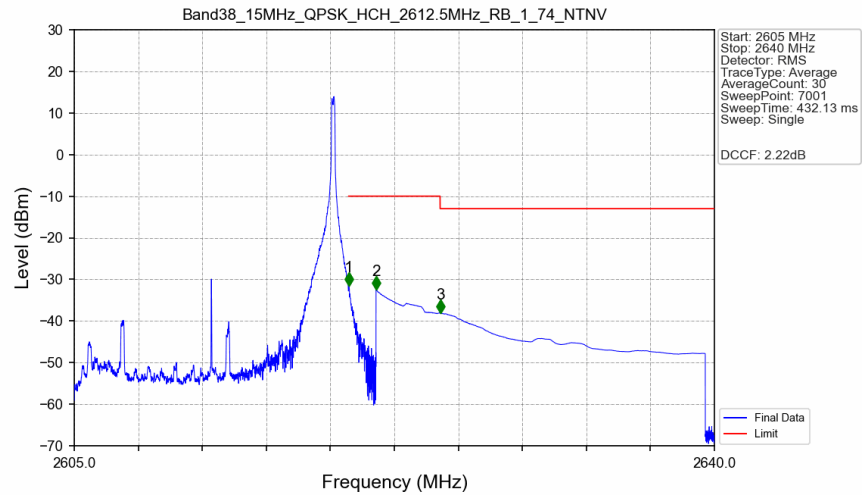
Band38 15MHz QPSK HCH 2612.5MHz RB 1 0 NTV



Band38 15MHz QPSK HCH 2612.5MHz RB 1 0 NTNV

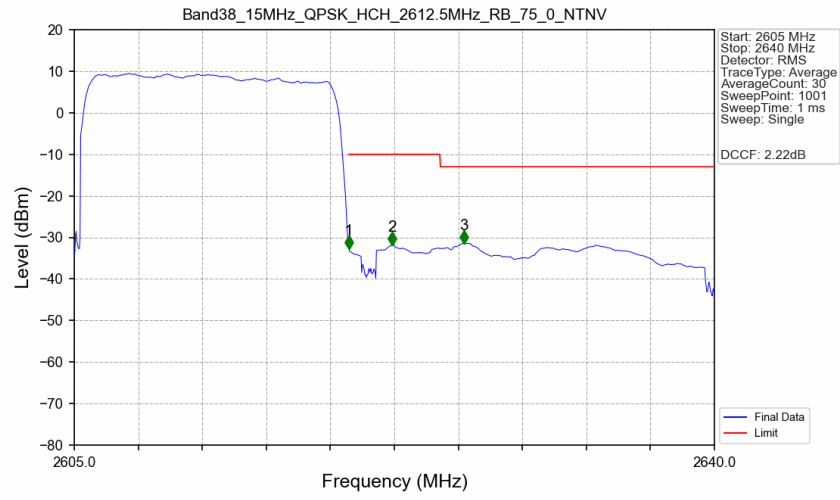


Band38 15MHz QPSK HCH 2612.5MHz RB 1 74 NTNV



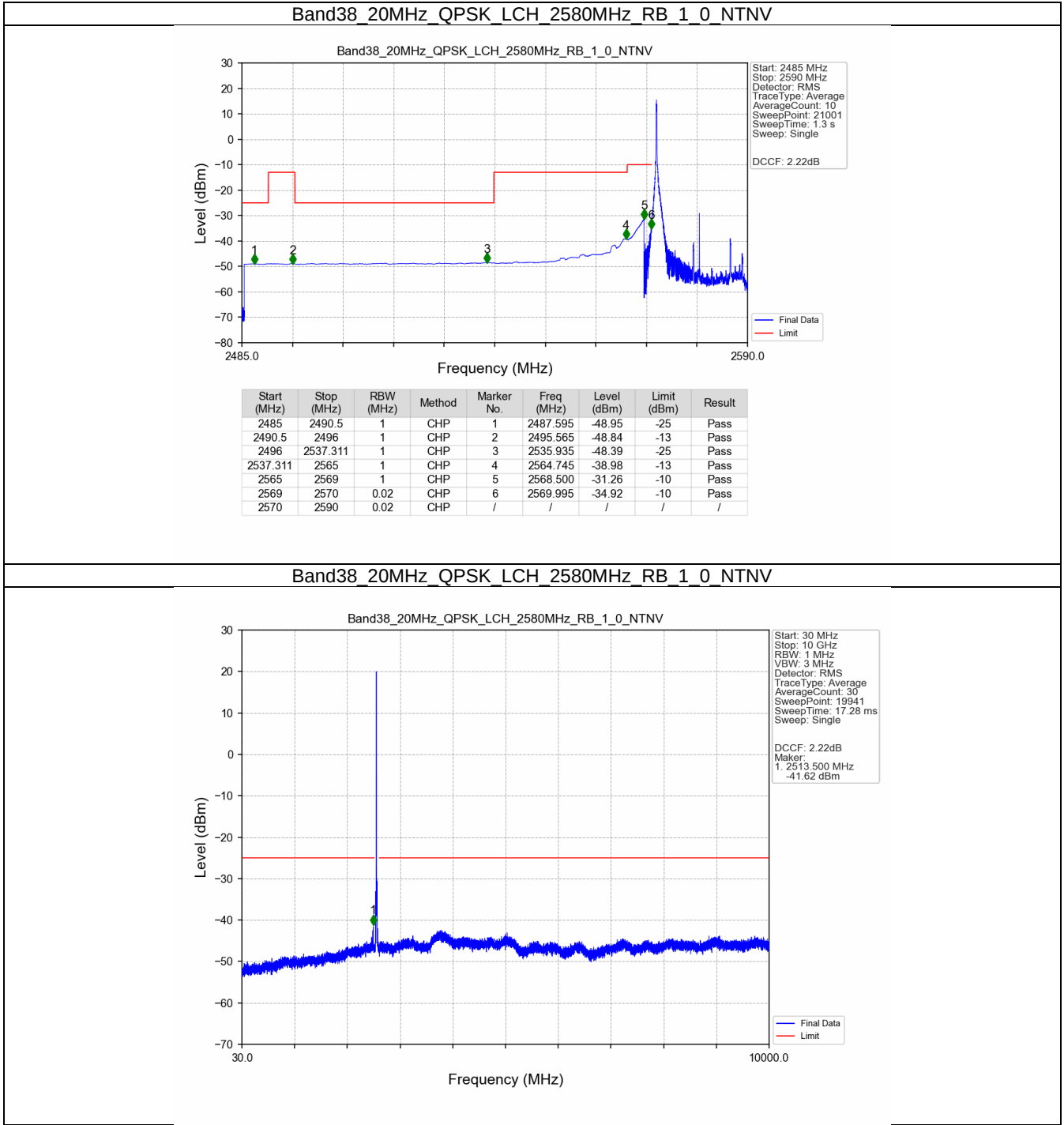
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2605	2620	0.02	CHP	/	/	/	/	/
2620	2621	0.02	CHP	1	2620.010	-31.56	-10	Pass
2621	2625	1	CHP	2	2621.500	-32.47	-10	Pass
2625	2640	1	CHP	3	2625.015	-38.13	-13	Pass

Band38 15MHz QPSK HCH 2612.5MHz RB 75 0 NTN

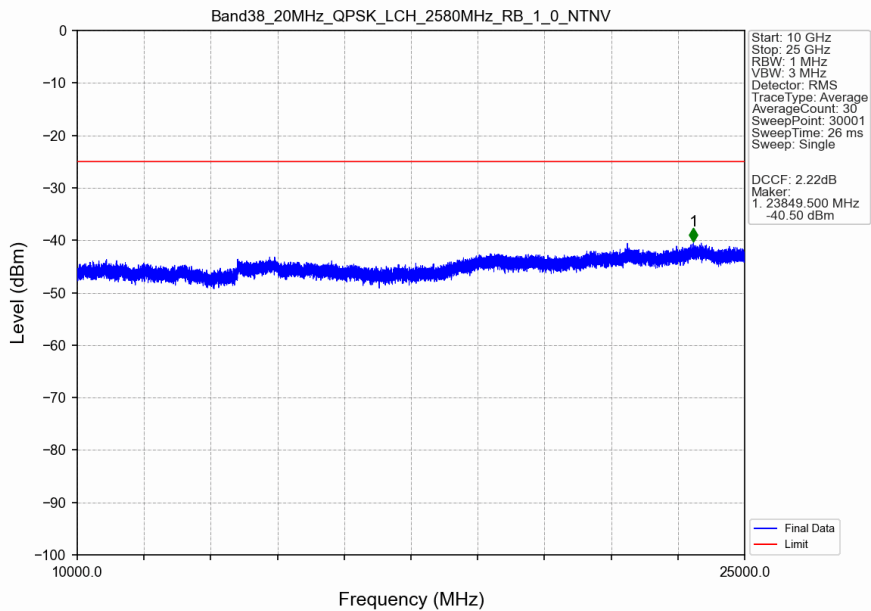


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2605	2620	0.637	CHP	/	/	/	/	/
2620	2621	0.637	CHP	1	2620.015	-32.71	-10	Pass
2621	2625	1	CHP	2	2622.395	-31.87	-10	Pass
2625	2640	1	CHP	3	2626.315	-31.44	-13	Pass

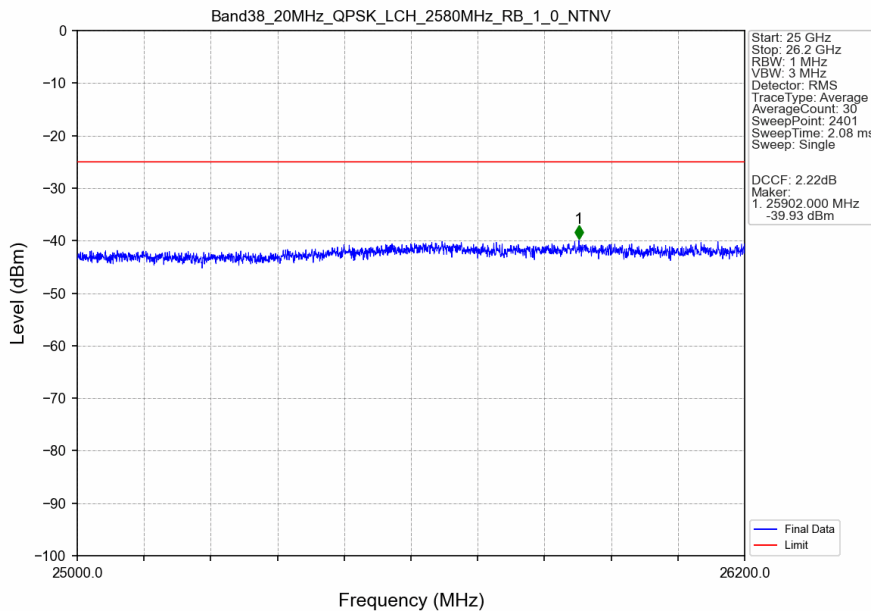
5.2.4 B38_20MHz



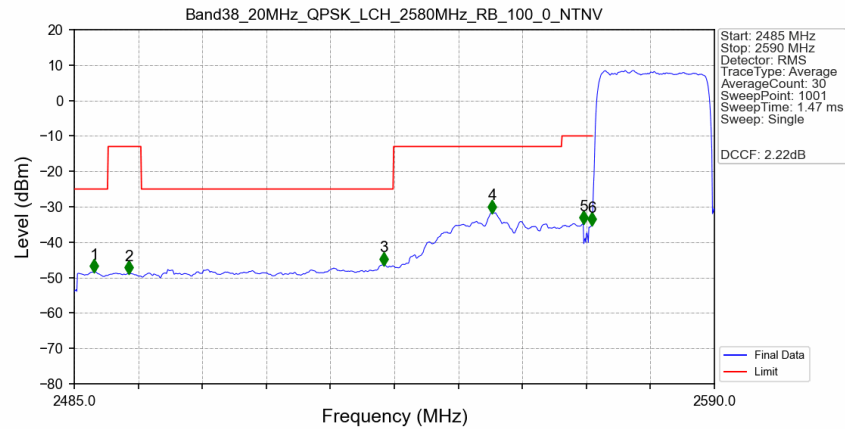
Band38 20MHz QPSK LCH 2580MHz RB 1 0 NTNV



Band38 20MHz QPSK LCH 2580MHz RB 1 0 NTNV

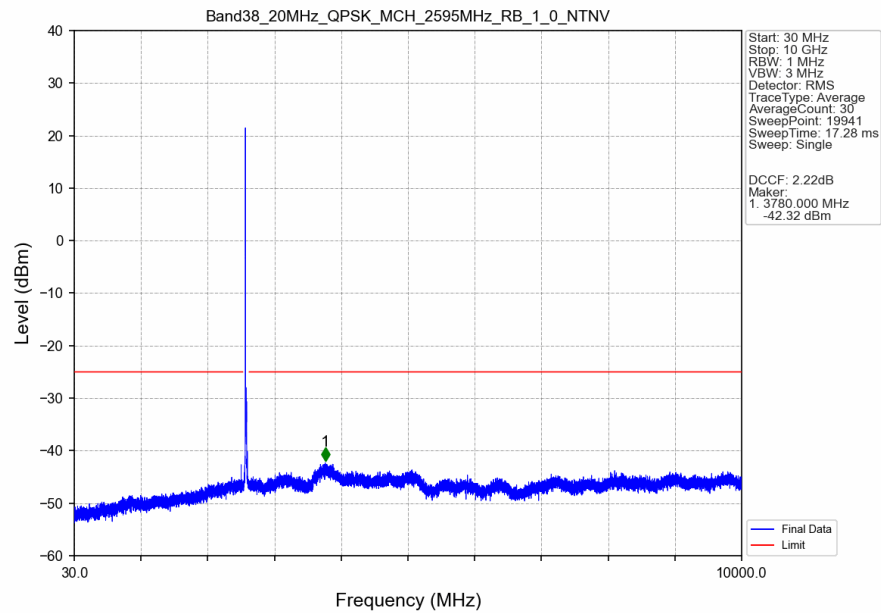


Band38 20MHz QPSK LCH 2580MHz RB 100 0 NTV

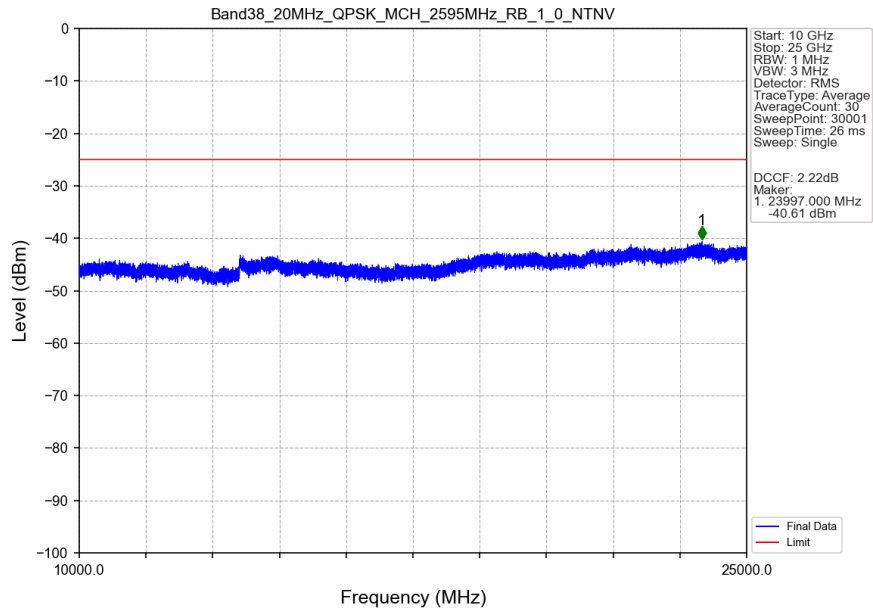


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2488.255	-48.22	-25	Pass
2490.5	2496	1	CHP	2	2493.925	-48.74	-13	Pass
2496	2537.311	1	CHP	3	2535.820	-46.28	-25	Pass
2537.311	2565	1	CHP	4	2553.565	-31.48	-13	Pass
2565	2569	1	CHP	5	2568.475	-34.67	-10	Pass
2569	2570	0.654	CHP	6	2569.945	-34.97	-10	Pass
2570	2590	0.654	CHP	/	/	/	/	/

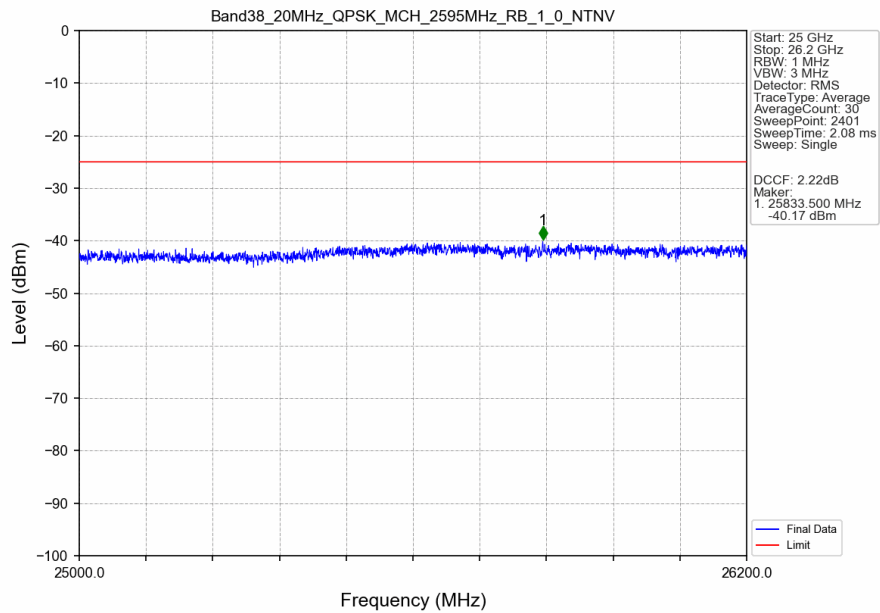
Band38 20MHz QPSK MCH 2595MHz RB 1 0 NTV



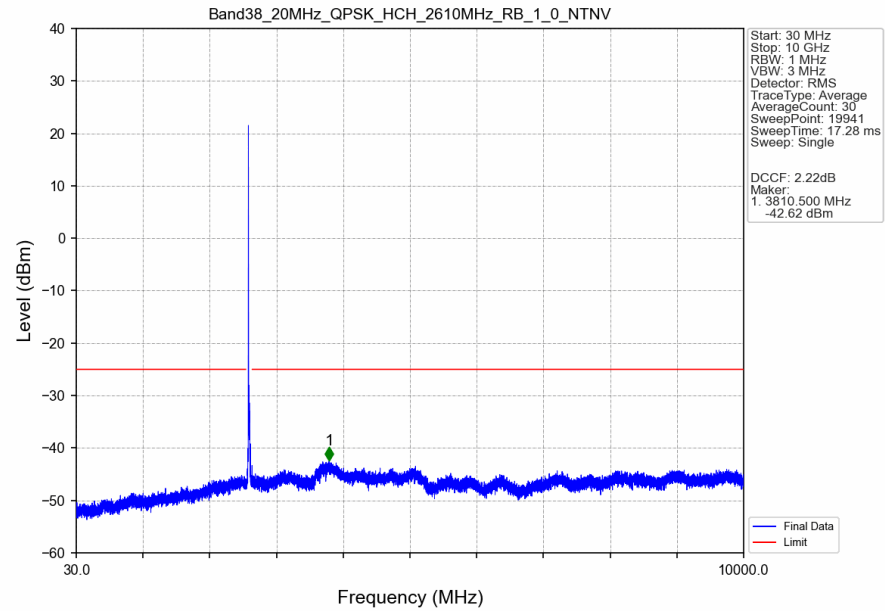
Band38 20MHz QPSK MCH 2595MHz RB 1 0 NTV



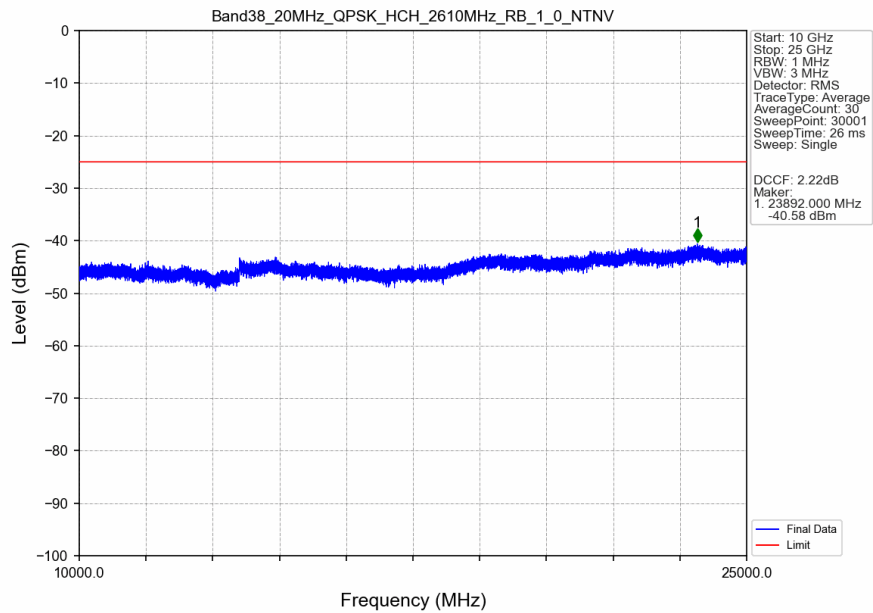
Band38 20MHz QPSK MCH 2595MHz RB 1 0 NTV



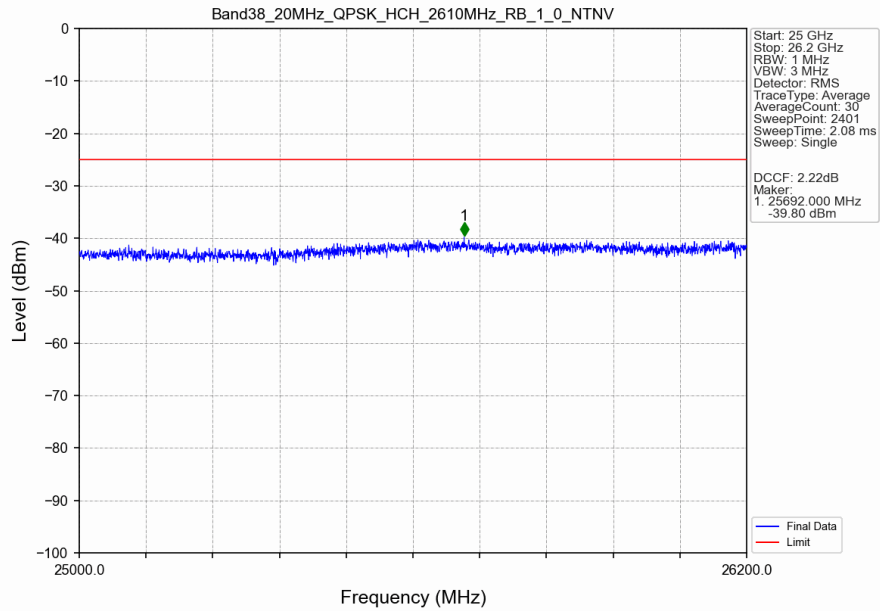
Band38 20MHz QPSK HCH 2610MHz RB 1 0 NTNV



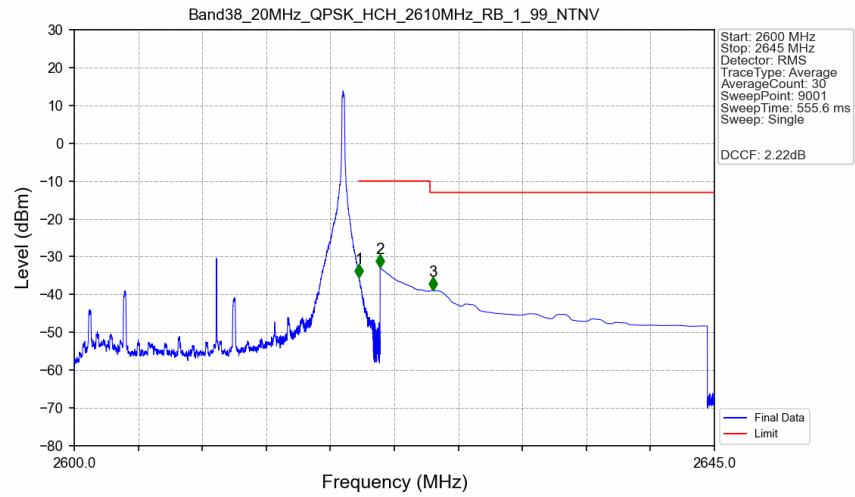
Band38 20MHz QPSK HCH 2610MHz RB 1 0 NTNV



Band38 20MHz QPSK HCH 2610MHz RB 1 0 NTNV

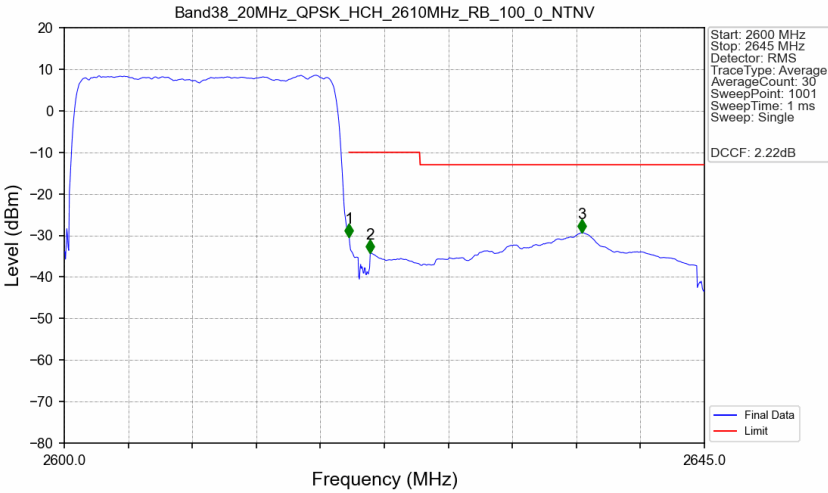


Band38 20MHz QPSK HCH 2610MHz RB 1 99 NTNV



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	-35.37	-10	Pass
2621	2625	1	CHP	2	2621.500	-32.93	-10	Pass
2625	2645	1	CHP	3	2625.195	-38.85	-13	Pass

Band38 20MHz QPSK HCH 2610MHz RB 100 0 NTN



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2600	2620	0.654	CHP	/	/	/	/	/
2620	2621	0.654	CHP	1	2620.025	-30.37	-10	Pass
2621	2625	1	CHP	2	2621.510	-34.26	-10	Pass
2625	2645	1	CHP	3	2636.405	-29.35	-13	Pass

6. Field Strength of Spurious Radiation

LTE Band 38 ANT11-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	-63.05	-25	-38.05	-68.66	4.62	10.23	Horizontal	Pass
7713.0	-59.74	-25	-34.74	-66.77	4.96	11.99	Horizontal	Pass
10284.0	-56.45	-25	-31.45	-64.02	5.51	13.08	Horizontal	Pass
5142.0	-62.86	-25	-37.86	-68.47	4.62	10.23	Vertical	Pass
7784.729	-51.1	-25	-26.1	-58.22	4.96	12.08	Vertical	Pass
10284.0	-56.33	-25	-31.33	-63.9	5.51	13.08	Vertical	Pass

LTE Band 38 ANT11-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	-62.77	-25	-37.77	-68.39	4.63	10.25	Horizontal	Pass
7758.0	-59.33	-25	-34.33	-66.41	4.96	12.04	Horizontal	Pass
10344.0	-56.07	-25	-31.07	-63.64	5.52	13.09	Horizontal	Pass
5172.0	-63.26	-25	-38.26	-68.88	4.63	10.25	Vertical	Pass
7758.0	-59.13	-25	-34.13	-66.21	4.96	12.04	Vertical	Pass
10344.0	-56.0	-25	-31.0	-63.57	5.52	13.09	Vertical	Pass

LTE Band 38 ANT11-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	-63.31	-25	-38.31	-68.95	4.63	10.27	Horizontal	Pass
7803.0	-56.23	-25	-31.23	-63.37	4.96	12.1	Horizontal	Pass
10404.0	-55.84	-25	-30.84	-63.42	5.52	13.1	Horizontal	Pass
5202.0	-63.07	-25	-38.07	-68.71	4.63	10.27	Vertical	Pass
7803.0	-52.03	-25	-27.03	-59.17	4.96	12.1	Vertical	Pass
10404.0	-55.92	-25	-30.92	-63.5	5.52	13.1	Vertical	Pass