

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 B38_5MHz_EIRP

Band: 38 / Bandwidth: 5MHz / NTV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	2572.5	1	0	22.02	2.28	24.30	<=33.00	Pass
			13	22.03	2.28	24.31	<=33.00	Pass
			24	22.01	2.28	24.29	<=33.00	Pass
		12	0	21.09	2.28	23.37	<=33.00	Pass
			6	21.18	2.28	23.46	<=33.00	Pass
			13	21.01	2.28	23.29	<=33.00	Pass
		25	0	21.07	2.28	23.35	<=33.00	Pass
	2595	1	0	22.00	2.28	24.28	<=33.00	Pass
			13	22.03	2.28	24.31	<=33.00	Pass
			24	21.85	2.28	24.13	<=33.00	Pass
		12	0	21.10	2.28	23.38	<=33.00	Pass
			6	21.17	2.28	23.45	<=33.00	Pass
			13	21.09	2.28	23.37	<=33.00	Pass
	25	0	21.15	2.28	23.43	<=33.00	Pass	
	2617.5	1	0	21.94	2.28	24.22	<=33.00	Pass
			13	21.78	2.28	24.06	<=33.00	Pass
			24	21.59	2.28	23.87	<=33.00	Pass
		12	0	20.89	2.28	23.17	<=33.00	Pass
			6	20.95	2.28	23.23	<=33.00	Pass
			13	20.78	2.28	23.06	<=33.00	Pass
		25	0	20.84	2.28	23.12	<=33.00	Pass
16QAM		2572.5	1	0	20.57	2.28	22.85	<=33.00
	13			20.80	2.28	23.08	<=33.00	Pass
	24			20.49	2.28	22.77	<=33.00	Pass
	12		0	20.04	2.28	22.32	<=33.00	Pass
			6	20.07	2.28	22.35	<=33.00	Pass
			13	19.91	2.28	22.19	<=33.00	Pass
	25		0	20.31	2.28	22.59	<=33.00	Pass
	2595	1	0	20.64	2.28	22.92	<=33.00	Pass
			13	21.16	2.28	23.44	<=33.00	Pass
			24	20.61	2.28	22.89	<=33.00	Pass
		12	0	20.03	2.28	22.31	<=33.00	Pass
			6	20.09	2.28	22.37	<=33.00	Pass
			13	19.90	2.28	22.18	<=33.00	Pass
	25	0	20.00	2.28	22.28	<=33.00	Pass	
	2617.5	1	0	20.34	2.28	22.62	<=33.00	Pass
			13	20.83	2.28	23.11	<=33.00	Pass
			24	20.15	2.28	22.43	<=33.00	Pass
		12	0	19.64	2.28	21.92	<=33.00	Pass
			6	19.69	2.28	21.97	<=33.00	Pass
			13	19.64	2.28	21.92	<=33.00	Pass
		25	0	19.60	2.28	21.88	<=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	21.98	2.28	24.26	<=33.00	Pass		
			25	22.24	2.28	24.52	<=33.00	Pass		
			49	21.96	2.28	24.24	<=33.00	Pass		
		25	0	21.18	2.28	23.46	<=33.00	Pass		
			13	21.16	2.28	23.44	<=33.00	Pass		
			25	21.06	2.28	23.34	<=33.00	Pass		
		50	0	21.15	2.28	23.43	<=33.00	Pass		
		2595	1	0	21.74	2.28	24.02	<=33.00	Pass	
				25	22.21	2.28	24.49	<=33.00	Pass	
	49			21.95	2.28	24.23	<=33.00	Pass		
	25		0	21.10	2.28	23.38	<=33.00	Pass		
			13	21.05	2.28	23.33	<=33.00	Pass		
			25	20.95	2.28	23.23	<=33.00	Pass		
	50		0	21.04	2.28	23.32	<=33.00	Pass		
	2615		1	0	21.90	2.28	24.18	<=33.00	Pass	
				25	21.84	2.28	24.12	<=33.00	Pass	
		49		21.44	2.28	23.72	<=33.00	Pass		
		25	0	20.90	2.28	23.18	<=33.00	Pass		
			13	20.88	2.28	23.16	<=33.00	Pass		
			25	20.74	2.28	23.02	<=33.00	Pass		
		50	0	20.88	2.28	23.16	<=33.00	Pass		
		16QAM	2575	1	0	20.67	2.28	22.95	<=33.00	Pass
					25	20.82	2.28	23.10	<=33.00	Pass
	49				20.63	2.28	22.91	<=33.00	Pass	
25	0			20.40	2.28	22.68	<=33.00	Pass		
	13			20.36	2.28	22.64	<=33.00	Pass		
	25			20.01	2.28	22.29	<=33.00	Pass		
50	0			20.19	2.28	22.47	<=33.00	Pass		
2595	1		0	20.65	2.28	22.93	<=33.00	Pass		
			25	20.74	2.28	23.02	<=33.00	Pass		
			49	20.45	2.28	22.73	<=33.00	Pass		
	25		0	20.09	2.28	22.37	<=33.00	Pass		
			13	20.34	2.28	22.62	<=33.00	Pass		
			25	19.94	2.28	22.22	<=33.00	Pass		
	50		0	20.17	2.28	22.45	<=33.00	Pass		
2615	1		0	20.41	2.28	22.69	<=33.00	Pass		
			25	20.43	2.28	22.71	<=33.00	Pass		
			49	20.25	2.28	22.53	<=33.00	Pass		
	25		0	19.76	2.28	22.04	<=33.00	Pass		
			13	20.18	2.28	22.46	<=33.00	Pass		
			25	20.03	2.28	22.31	<=33.00	Pass		
	50		0	19.80	2.28	22.08	<=33.00	Pass		
Note1: EIRP=Conducted Power+Antenna Gain										

1.1.3 B38_15MHz_EIRP

Band: 38 / Bandwidth: 15MHz / NTVN								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	2577.5	1	0	21.87	2.28	24.15	<=33.00	Pass
			38	22.01	2.28	24.29	<=33.00	Pass
			74	21.84	2.28	24.12	<=33.00	Pass
		36	0	21.07	2.28	23.35	<=33.00	Pass
			18	21.06	2.28	23.34	<=33.00	Pass
			39	21.01	2.28	23.29	<=33.00	Pass

	2595	75	0	20.98	2.28	23.26	<=33.00	Pass	
		1	0	21.80	2.28	24.08	<=33.00	Pass	
			38	22.14	2.28	24.42	<=33.00	Pass	
			74	21.72	2.28	24.00	<=33.00	Pass	
			36	0	21.01	2.28	23.29	<=33.00	Pass
		18		21.07	2.28	23.35	<=33.00	Pass	
		39		20.94	2.28	23.22	<=33.00	Pass	
		75	0	20.97	2.28	23.25	<=33.00	Pass	
		2612.5	1	0	22.00	2.28	24.28	<=33.00	Pass
				38	21.90	2.28	24.18	<=33.00	Pass
	74			21.44	2.28	23.72	<=33.00	Pass	
	36		0	20.77	2.28	23.05	<=33.00	Pass	
			18	20.89	2.28	23.17	<=33.00	Pass	
			39	20.82	2.28	23.10	<=33.00	Pass	
	75	0	20.83	2.28	23.11	<=33.00	Pass		
	16QAM	2577.5	1	0	20.54	2.28	22.82	<=33.00	Pass
38				20.77	2.28	23.05	<=33.00	Pass	
74				20.48	2.28	22.76	<=33.00	Pass	
36			0	20.05	2.28	22.33	<=33.00	Pass	
			18	19.94	2.28	22.22	<=33.00	Pass	
			39	19.87	2.28	22.15	<=33.00	Pass	
75			0	19.97	2.28	22.25	<=33.00	Pass	
2595		1	0	20.46	2.28	22.74	<=33.00	Pass	
			38	21.08	2.28	23.36	<=33.00	Pass	
			74	20.48	2.28	22.76	<=33.00	Pass	
		36	0	20.03	2.28	22.31	<=33.00	Pass	
			18	20.11	2.28	22.39	<=33.00	Pass	
			39	19.78	2.28	22.06	<=33.00	Pass	
75		0	20.09	2.28	22.37	<=33.00	Pass		
2612.5		1	0	20.44	2.28	22.72	<=33.00	Pass	
			38	20.41	2.28	22.69	<=33.00	Pass	
			74	20.18	2.28	22.46	<=33.00	Pass	
		36	0	19.73	2.28	22.01	<=33.00	Pass	
			18	19.98	2.28	22.26	<=33.00	Pass	
			39	19.70	2.28	21.98	<=33.00	Pass	
		75	0	19.83	2.28	22.11	<=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	21.87	2.28	24.15	<=33.00	Pass
			50	22.17	2.28	24.45	<=33.00	Pass
			99	21.79	2.28	24.07	<=33.00	Pass
		50	0	21.09	2.28	23.37	<=33.00	Pass
			25	21.02	2.28	23.30	<=33.00	Pass
			50	20.95	2.28	23.23	<=33.00	Pass
		100	0	20.96	2.28	23.24	<=33.00	Pass
	2595	1	0	21.91	2.28	24.19	<=33.00	Pass
			50	22.10	2.28	24.38	<=33.00	Pass
			99	21.87	2.28	24.15	<=33.00	Pass
		50	0	21.08	2.28	23.36	<=33.00	Pass
			25	21.10	2.28	23.38	<=33.00	Pass
			50	20.99	2.28	23.27	<=33.00	Pass
		100	0	20.95	2.28	23.23	<=33.00	Pass

	2610	1	0	21.70	2.28	23.98	<=33.00	Pass		
			50	21.86	2.28	24.14	<=33.00	Pass		
			99	21.49	2.28	23.77	<=33.00	Pass		
		50	0	20.94	2.28	23.22	<=33.00	Pass		
			25	20.83	2.28	23.11	<=33.00	Pass		
			50	20.80	2.28	23.08	<=33.00	Pass		
		100	0	20.79	2.28	23.07	<=33.00	Pass		
		16QAM	2580	1	0	20.49	2.28	22.77	<=33.00	Pass
					50	21.08	2.28	23.36	<=33.00	Pass
99	20.37				2.28	22.65	<=33.00	Pass		
50	0			20.12	2.28	22.40	<=33.00	Pass		
	25			19.98	2.28	22.26	<=33.00	Pass		
	50			19.84	2.28	22.12	<=33.00	Pass		
100	0			19.96	2.28	22.24	<=33.00	Pass		
2595	1			0	20.51	2.28	22.79	<=33.00	Pass	
				50	21.08	2.28	23.36	<=33.00	Pass	
			99	20.30	2.28	22.58	<=33.00	Pass		
	50		0	20.10	2.28	22.38	<=33.00	Pass		
			25	20.02	2.28	22.30	<=33.00	Pass		
			50	19.91	2.28	22.19	<=33.00	Pass		
	100		0	19.85	2.28	22.13	<=33.00	Pass		
	2610		1	0	20.55	2.28	22.83	<=33.00	Pass	
				50	20.75	2.28	23.03	<=33.00	Pass	
99				20.11	2.28	22.39	<=33.00	Pass		
50			0	20.02	2.28	22.30	<=33.00	Pass		
			25	19.77	2.28	22.05	<=33.00	Pass		
			50	19.54	2.28	21.82	<=33.00	Pass		
100			0	19.73	2.28	22.01	<=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	3.5	-4.400	-0.0017	-2.5 to 2.5	Pass
					3.87	1.800	0.0007	-2.5 to 2.5	Pass
					4.4	-2.400	-0.0009	-2.5 to 2.5	Pass
				-30	3.87	-7.800	-0.0030	-2.5 to 2.5	Pass
				-20	3.87	1.000	0.0004	-2.5 to 2.5	Pass
				-10	3.87	-2.300	-0.0009	-2.5 to 2.5	Pass
				0	3.87	-3.100	-0.0012	-2.5 to 2.5	Pass
				10	3.87	2.300	0.0009	-2.5 to 2.5	Pass
				30	3.87	-9.000	-0.0035	-2.5 to 2.5	Pass
				40	3.87	-8.700	-0.0034	-2.5 to 2.5	Pass
				50	3.87	0.300	0.0001	-2.5 to 2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 Band38_OBW

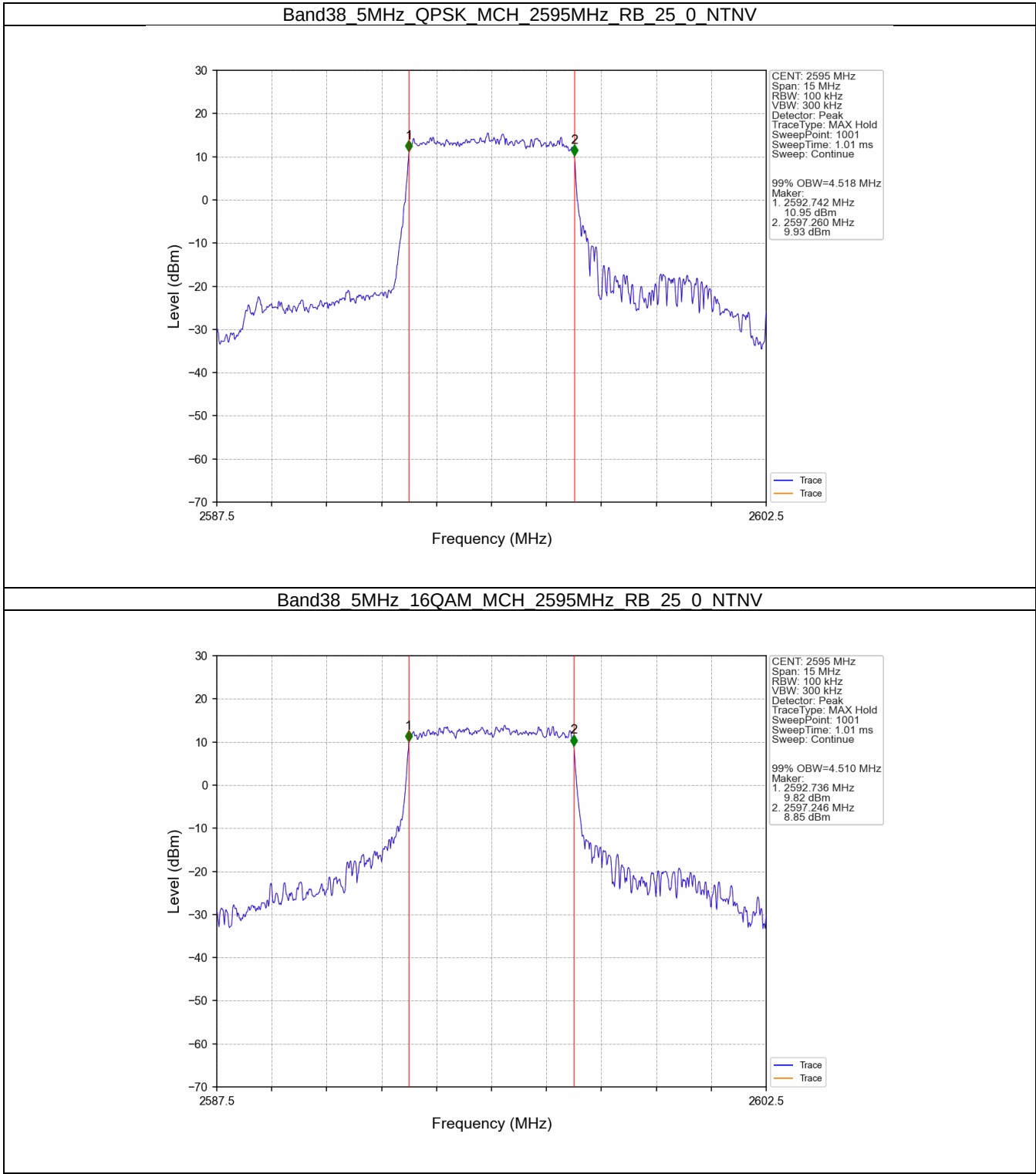
Band: 38 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2595	25	0	4.518	/	Pass
	16QAM	2595	25	0	4.510	/	Pass
10	QPSK	2595	50	0	8.968	/	Pass
	16QAM	2595	50	0	8.994	/	Pass
15	QPSK	2595	75	0	13.432	/	Pass
	16QAM	2595	75	0	13.484	/	Pass
20	QPSK	2595	100	0	18.055	/	Pass
	16QAM	2595	100	0	17.991	/	Pass

3.1.2 Band38_XDB

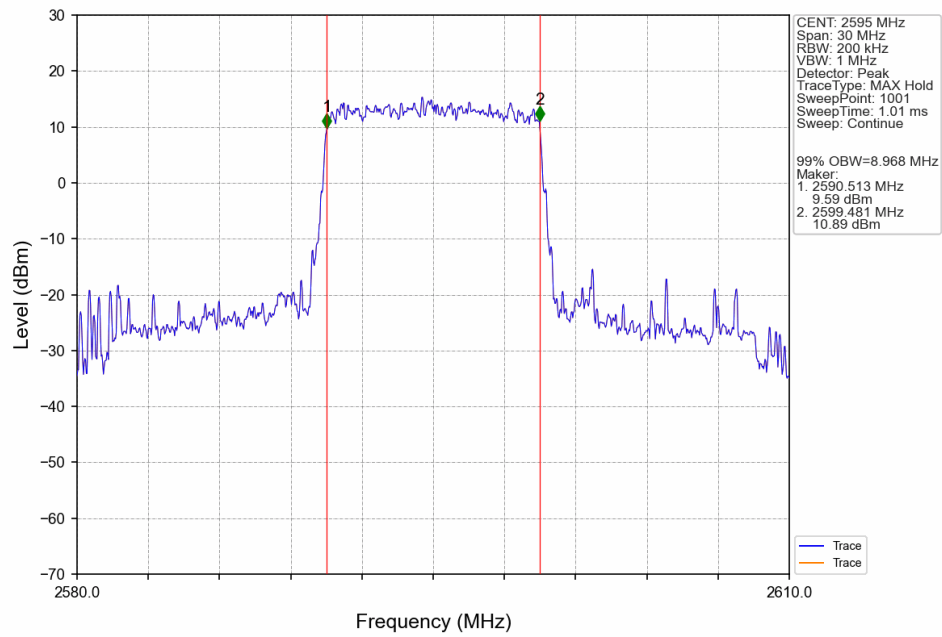
Band: 38 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2595	25	0	5.158	/	Pass
	16QAM	2595	25	0	5.247	/	Pass
10	QPSK	2595	50	0	9.722	/	Pass
	16QAM	2595	50	0	10.115	/	Pass
15	QPSK	2595	75	0	14.577	/	Pass
	16QAM	2595	75	0	14.540	/	Pass
20	QPSK	2595	100	0	19.502	/	Pass
	16QAM	2595	100	0	20.213	/	Pass

3.2 Test Graph

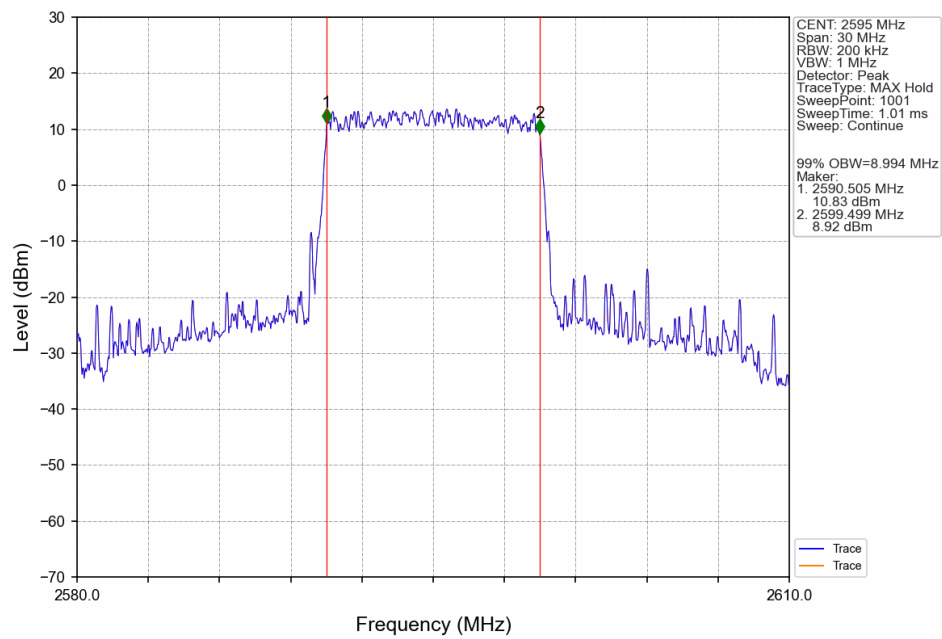
3.2.1 Band38_OBW



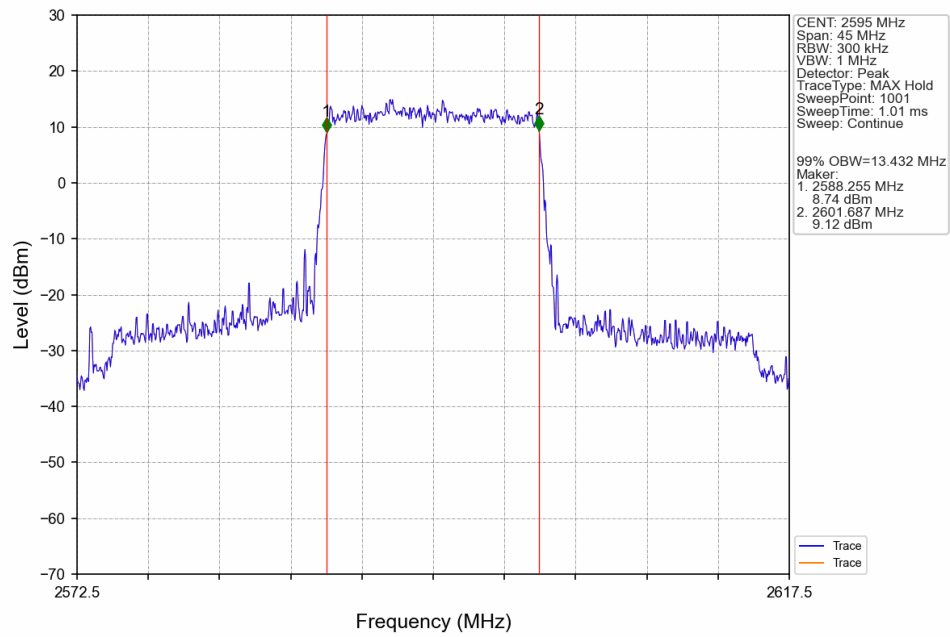
Band38_10MHz_QPSK_MCH_2595MHz_RB_50_0_NTNV



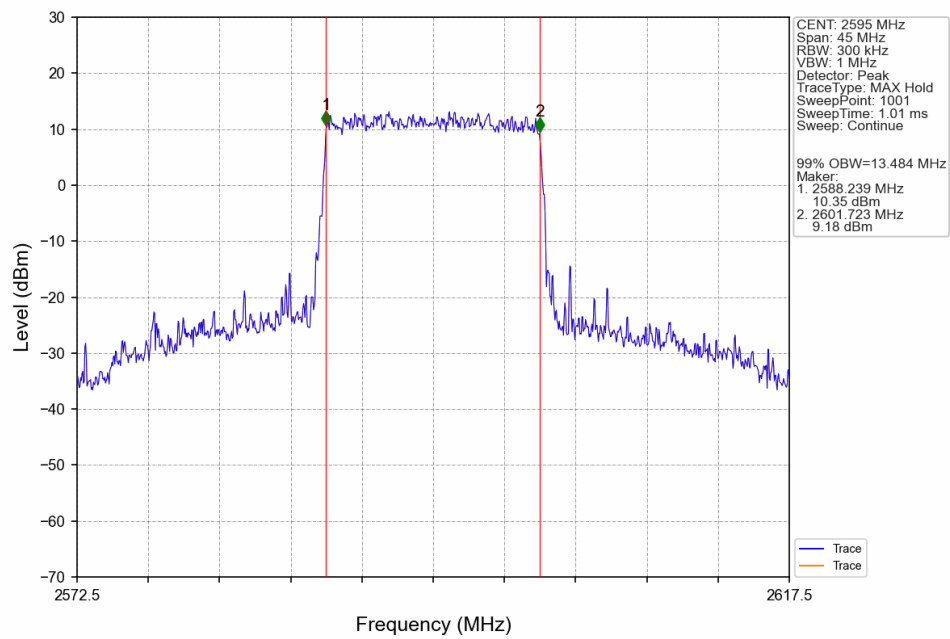
Band38_10MHz_16QAM_MCH_2595MHz_RB_50_0_NTNV



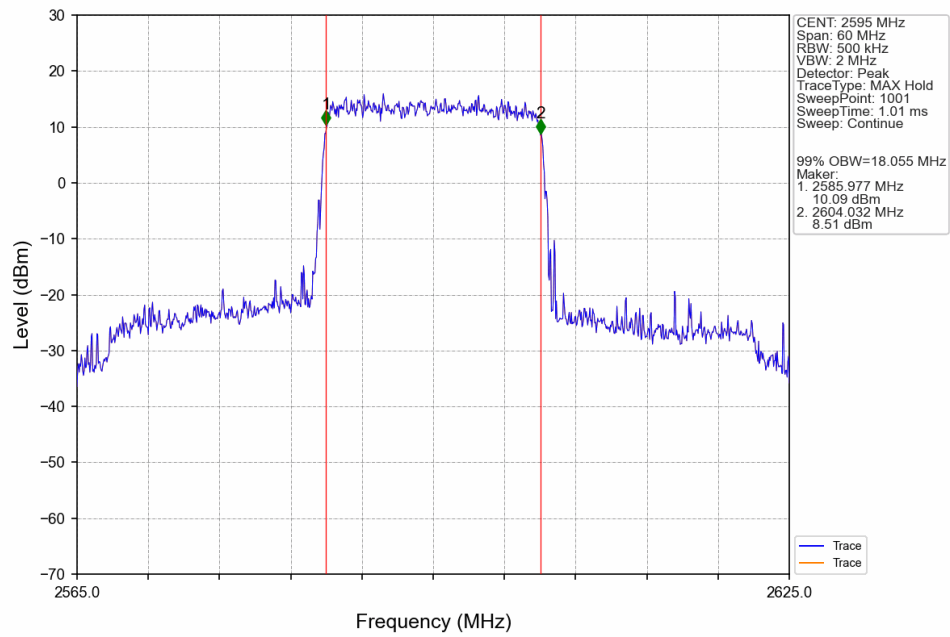
Band38_15MHz_QPSK_MCH_2595MHz_RB_75_0_NTNV



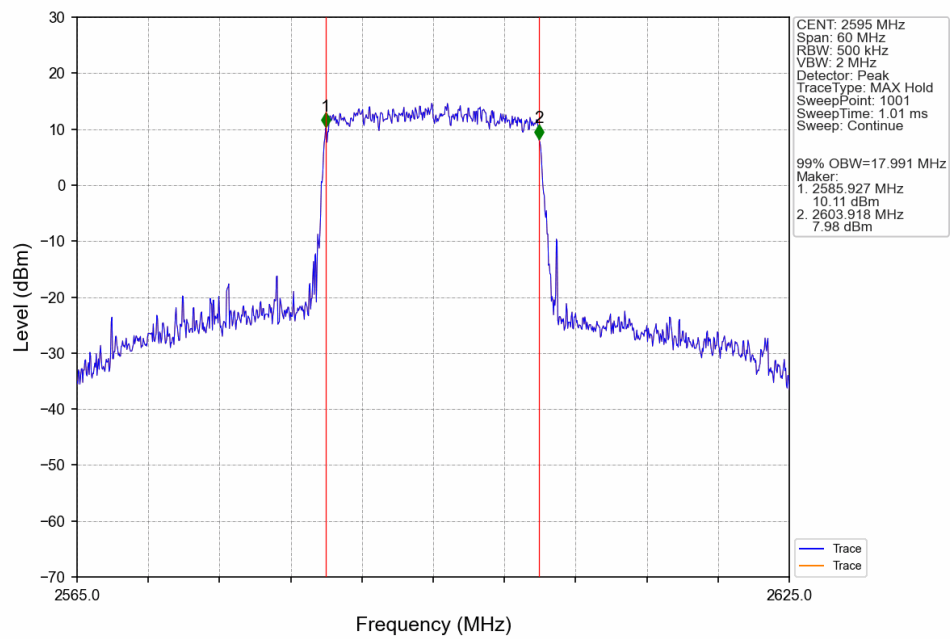
Band38_15MHz_16QAM_MCH_2595MHz_RB_75_0_NTNV



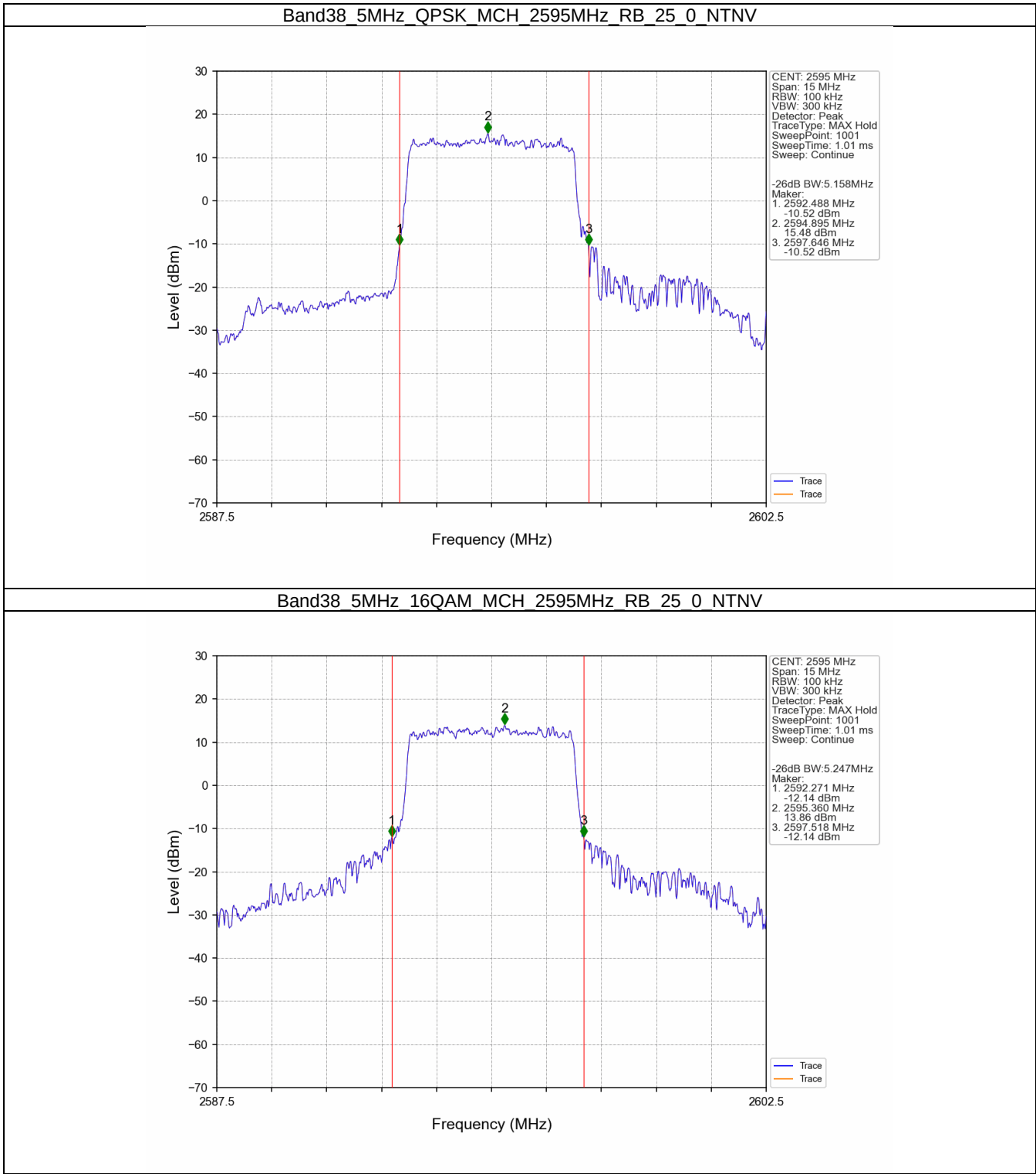
Band38_20MHz_QPSK_MCH_2595MHz_RB_100_0_NTNV



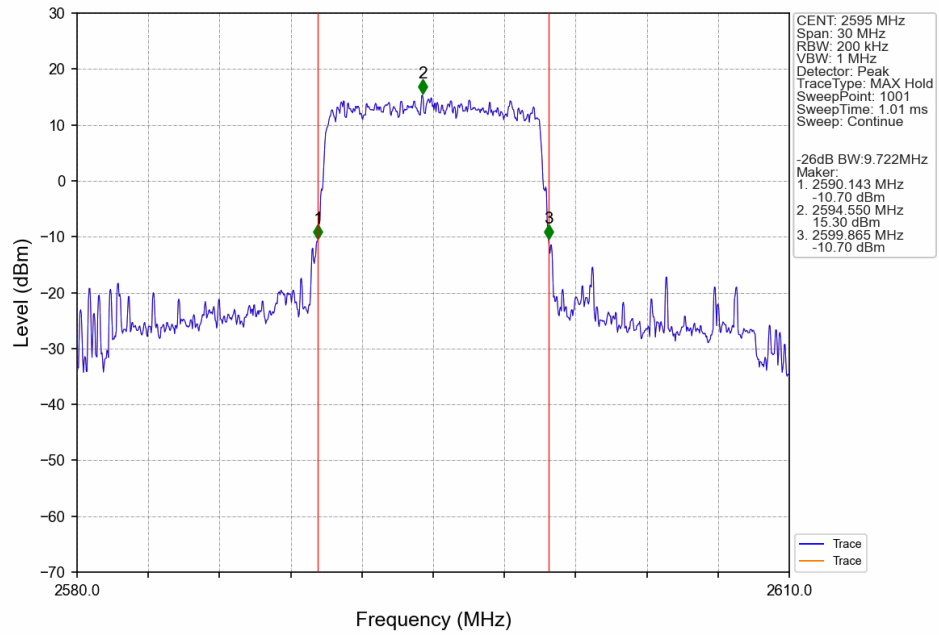
Band38_20MHz_16QAM_MCH_2595MHz_RB_100_0_NTNV



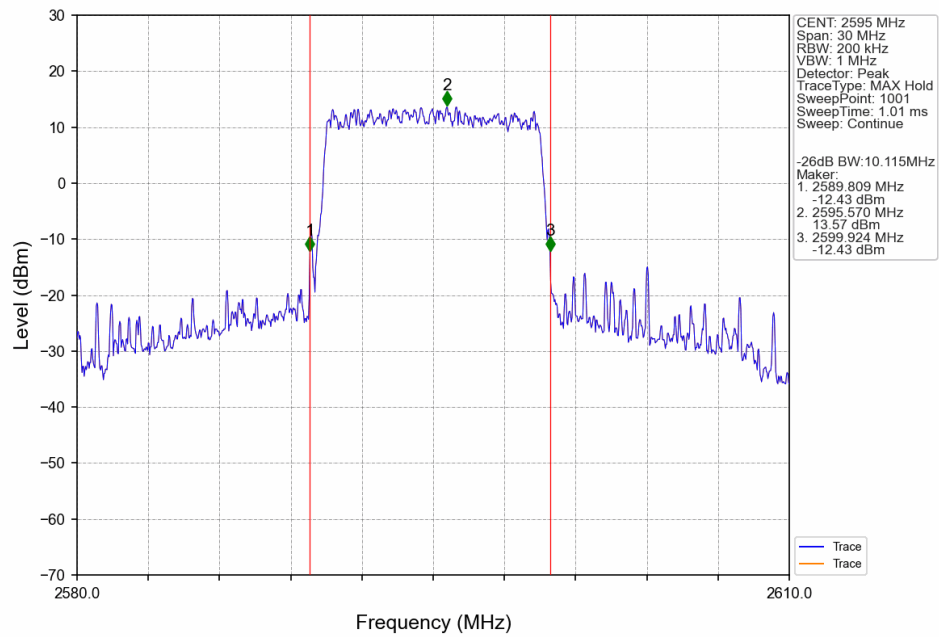
3.2.2 Band38_XDB



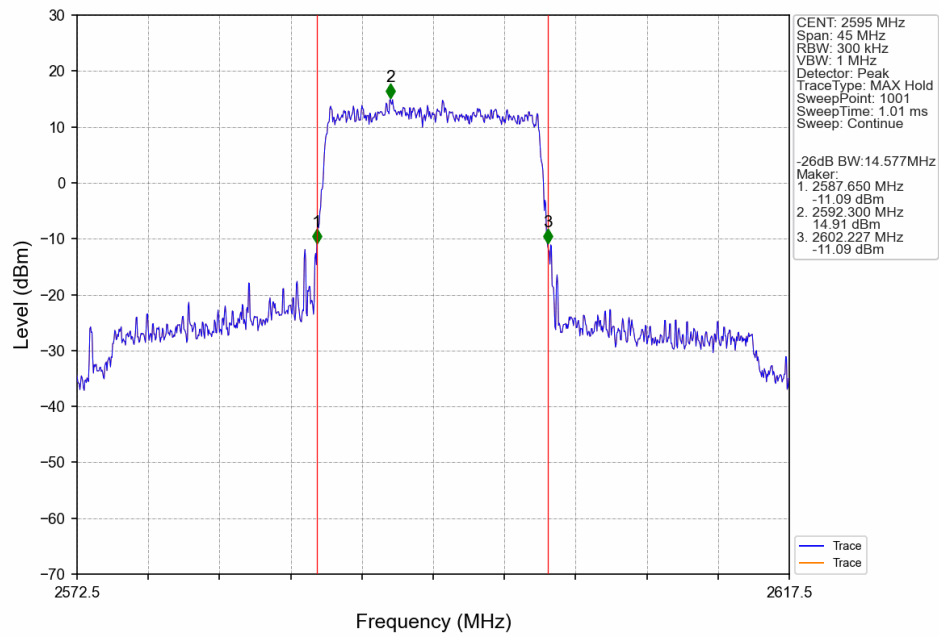
Band38_10MHz_QPSK_MCH_2595MHz_RB_50_0_NTNV



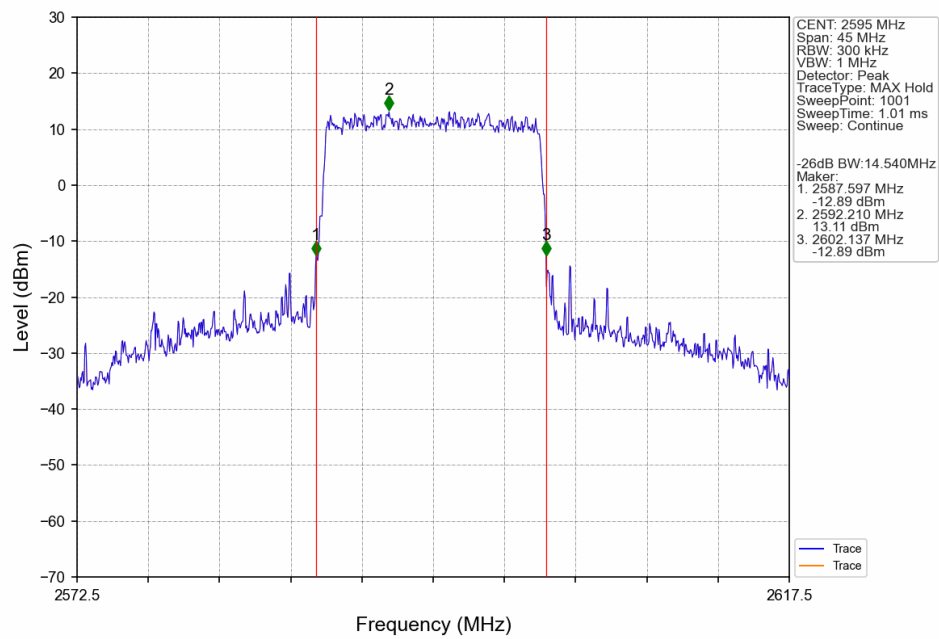
Band38_10MHz_16QAM_MCH_2595MHz_RB_50_0_NTNV



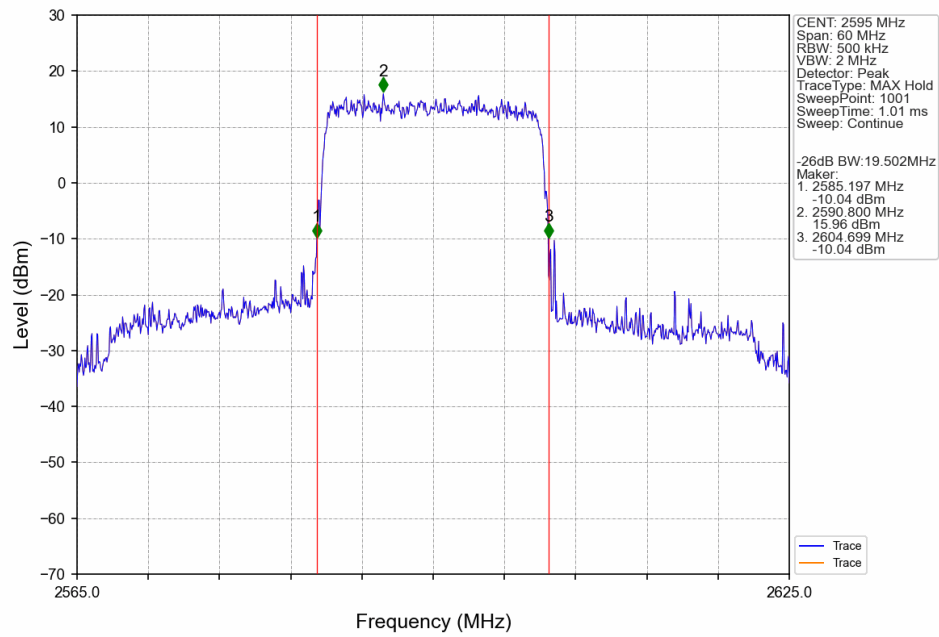
Band38_15MHz_QPSK_MCH_2595MHz_RB_75_0_NTNV



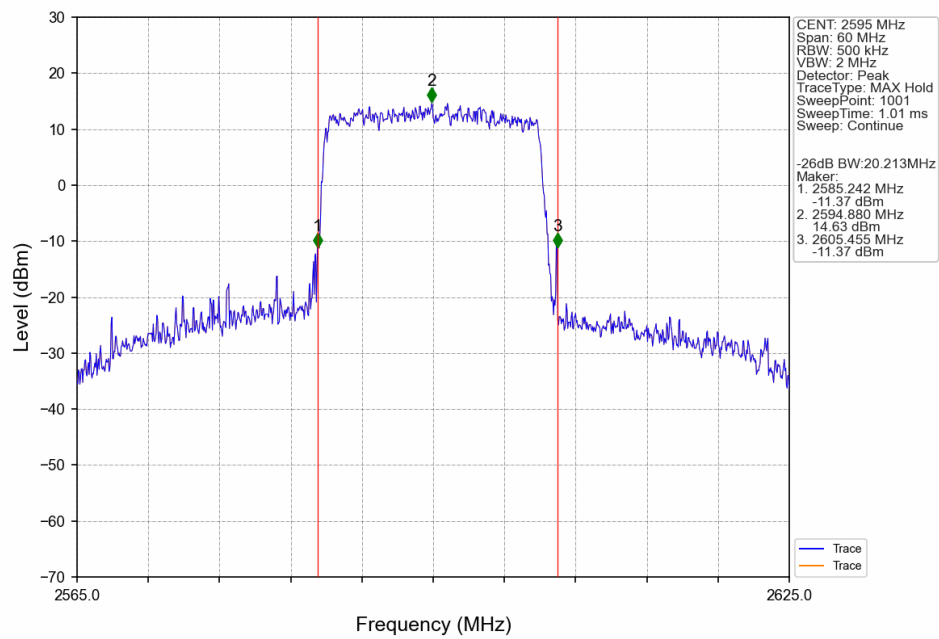
Band38_15MHz_16QAM_MCH_2595MHz_RB_75_0_NTNV



Band38_20MHz_QPSK_MCH_2595MHz_RB_100_0_NTNV



Band38_20MHz_16QAM_MCH_2595MHz_RB_100_0_NTNV



4. Peak-Average Ratio

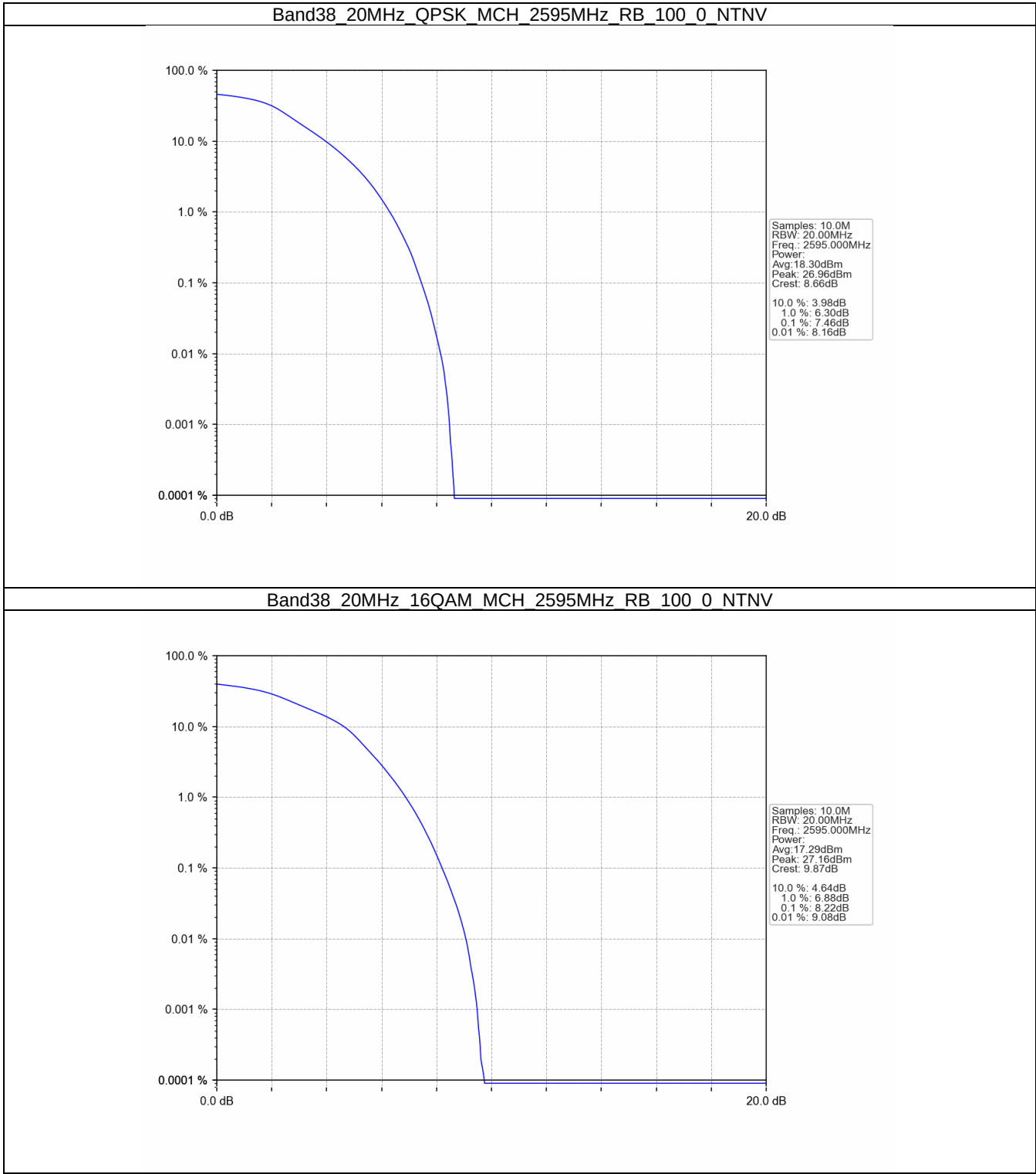
4.1 Test Result

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	7.46	<=13	Pass
16QAM	2595	100	0	8.22	<=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 / 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

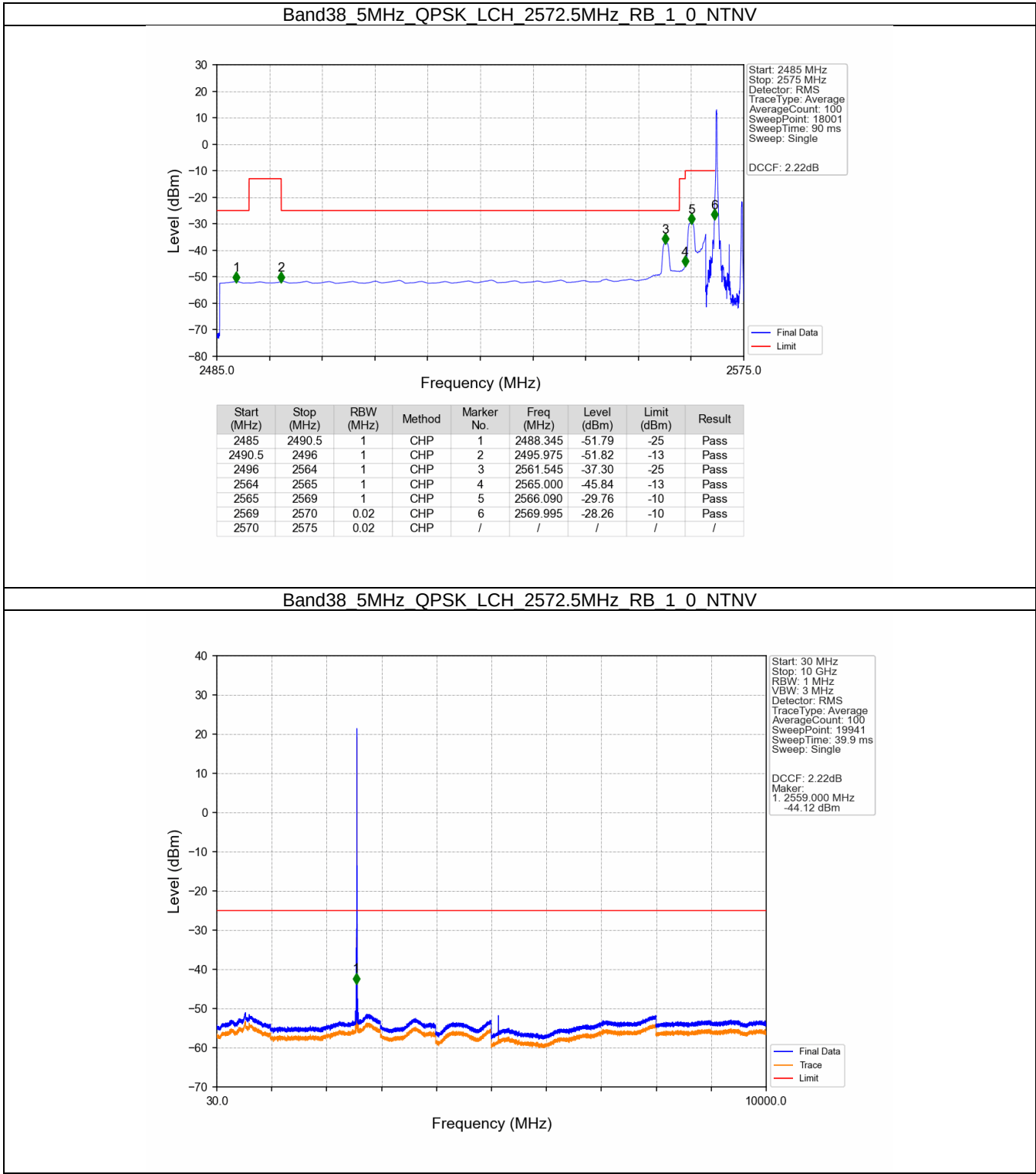
Band: 38 / Bandwidth: 15MHz / NTVN						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	2577.5	1	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	2595	1	0	Refer To Test Graph		Pass
	2612.5	1	0	Refer To Test Graph		Pass
			74	Refer To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

5.1.4 B38_20MHz

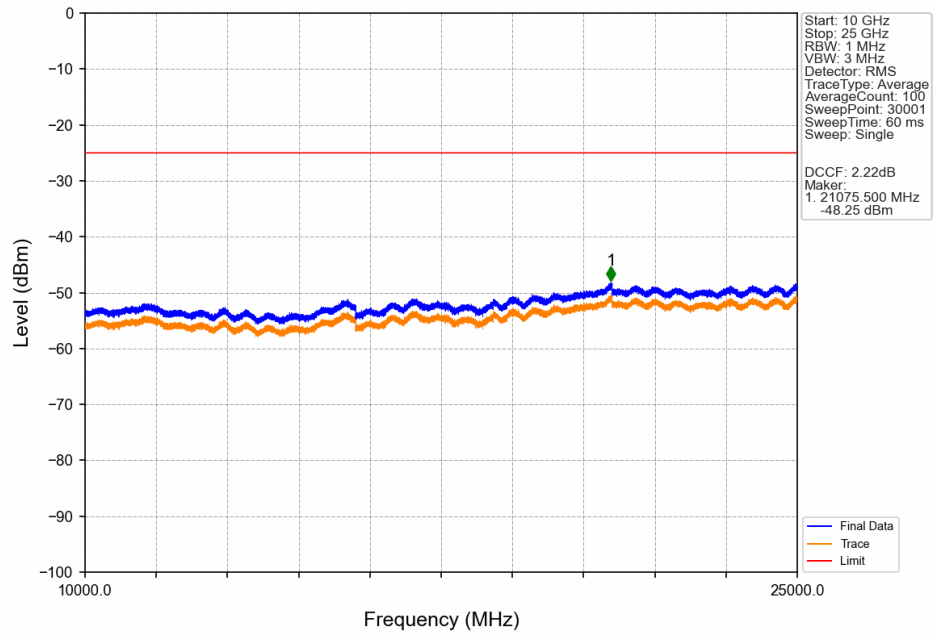
Band: 38 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	2580	1	0	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	2595	1	0	Refer To Test Graph		Pass
	2610	1	0	Refer To Test Graph		Pass
			99	Refer To Test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

5.2 Test Graph

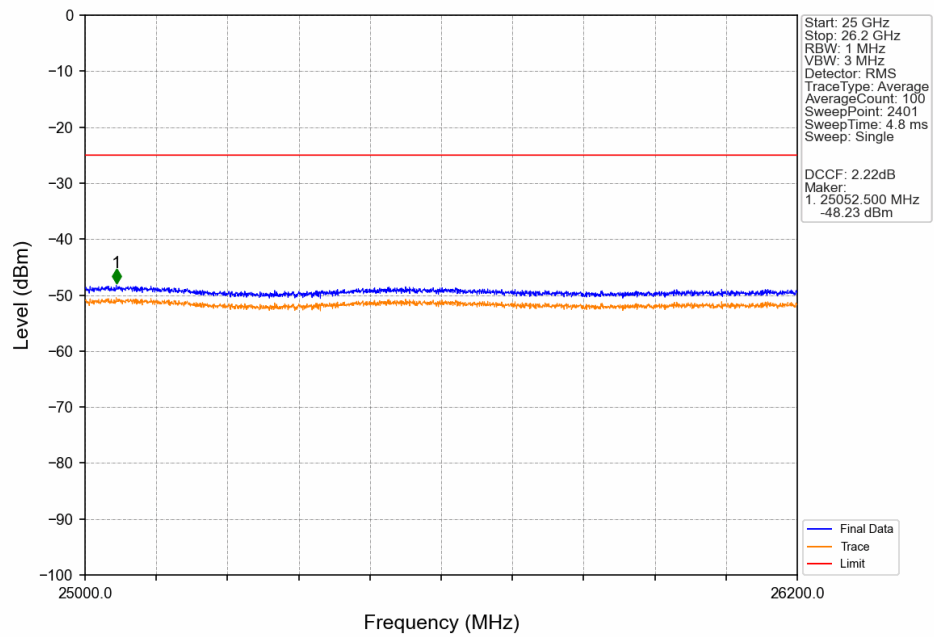
5.2.1 B38_5MHz



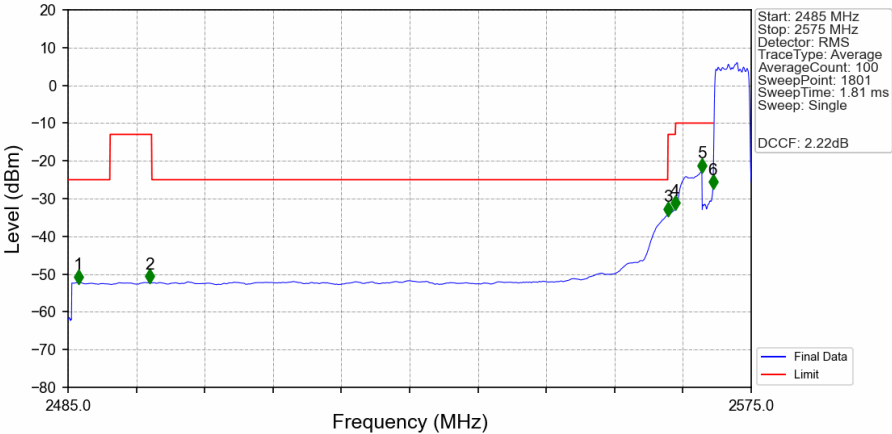
Band38_5MHz_QPSK_LCH_2572.5MHz_RB_1_0_NTNV



Band38_5MHz_QPSK_LCH_2572.5MHz_RB_1_0_NTNV

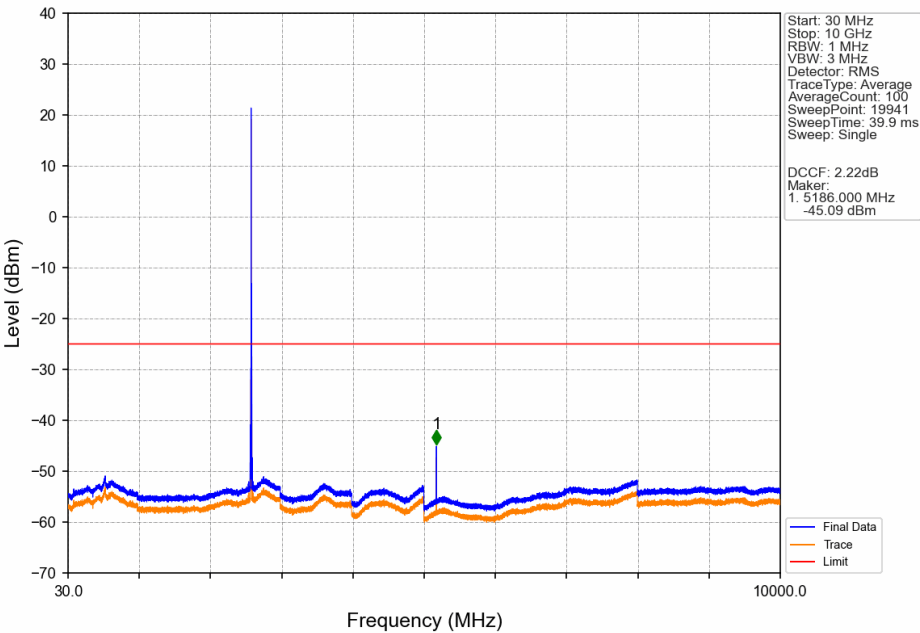


Band38_5MHz_QPSK_LCH_2572.5MHz_RB_25_0_NTNV

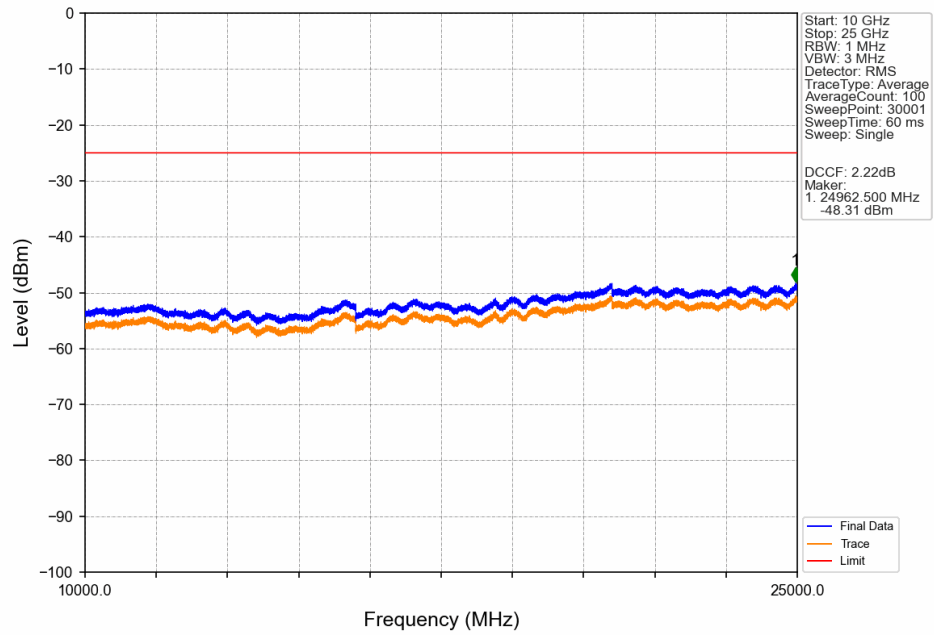


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2486.350	-52.24	-25	Pass
2490.5	2496	1	CHP	2	2495.750	-52.18	-13	Pass
2496	2564	1	CHP	3	2564.000	-34.29	-25	Pass
2564	2565	1	CHP	4	2565.000	-32.73	-13	Pass
2565	2569	1	CHP	5	2568.500	-22.75	-10	Pass
2569	2570	0.103	CHP	6	2569.950	-27.18	-10	Pass
2570	2575	0.103	CHP	/	/	/	/	/

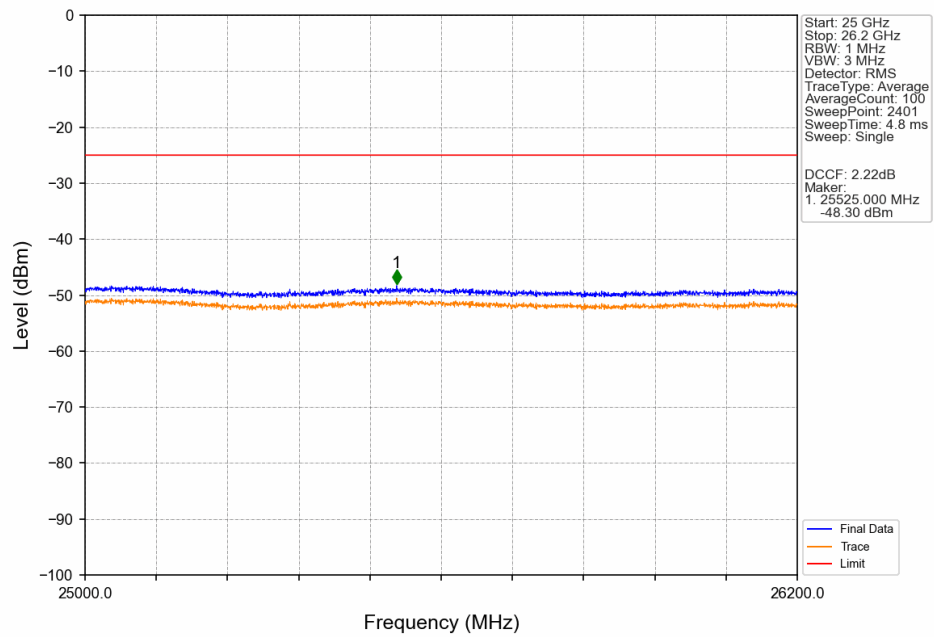
Band38_5MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



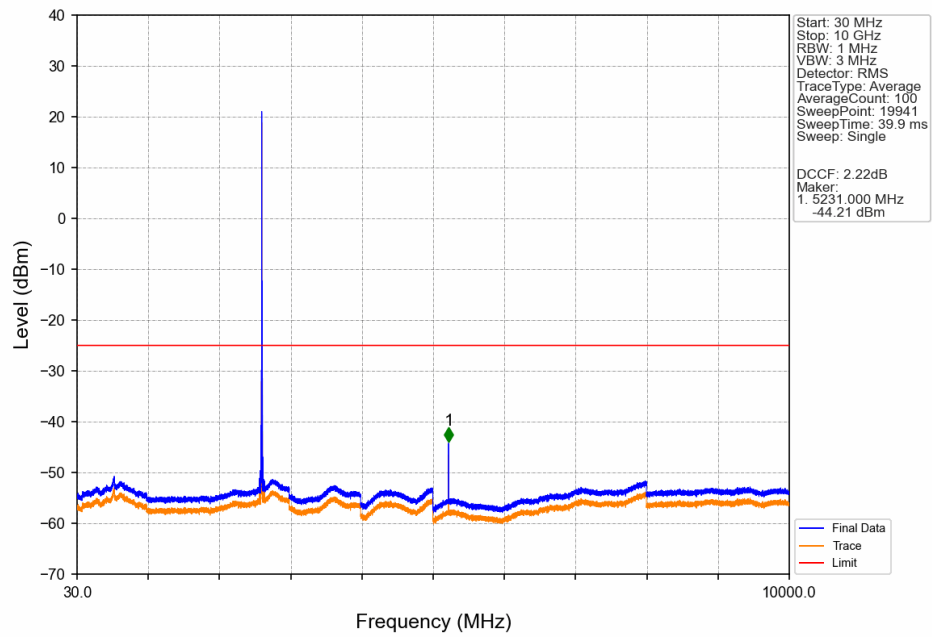
Band38_5MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



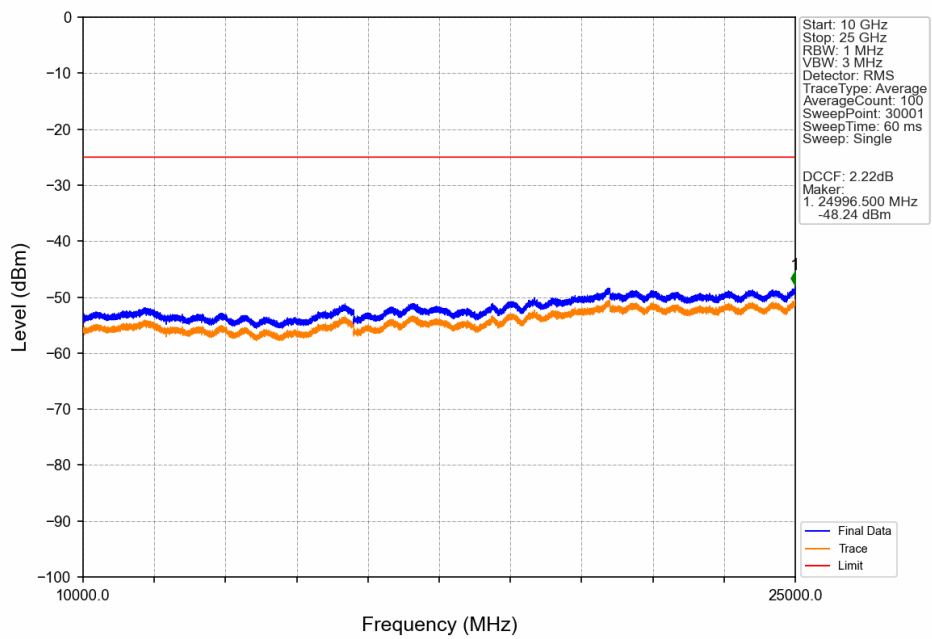
Band38_5MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



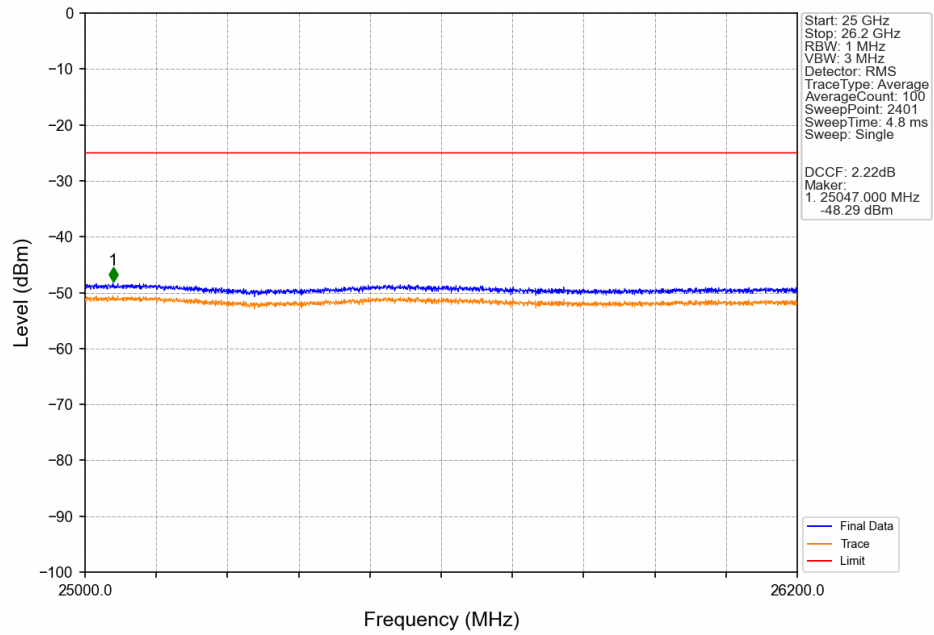
Band38_5MHz_QPSK_HCH_2617.5MHz_RB_1_0_NTNV



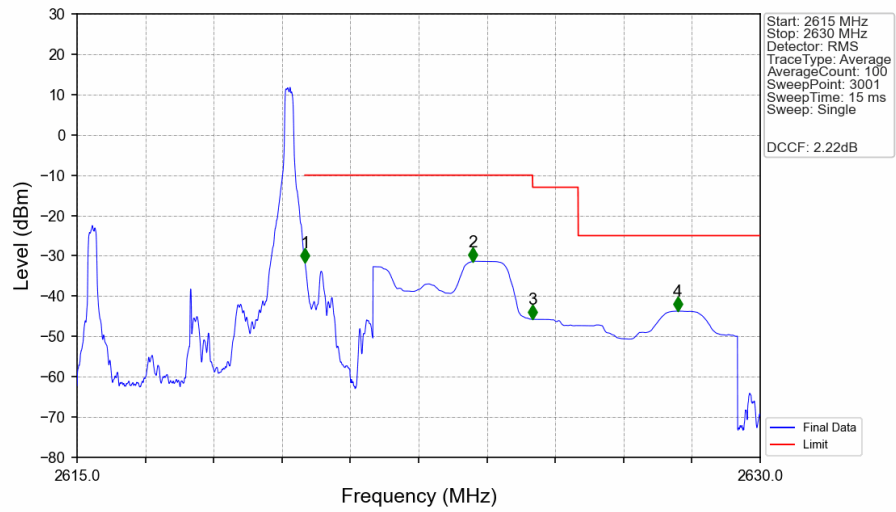
Band38_5MHz_QPSK_HCH_2617.5MHz_RB_1_0_NTNV



Band38_5MHz_QPSK_HCH_2617.5MHz_RB_1_0_NTNV

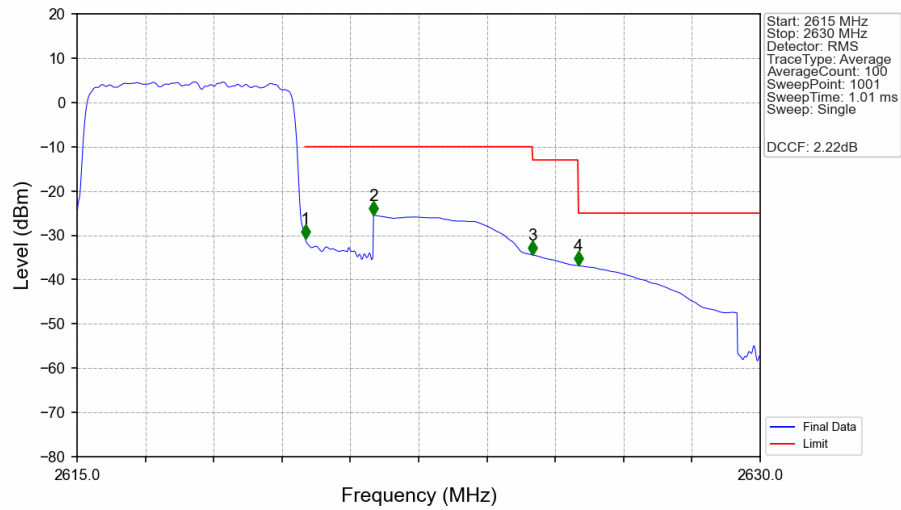


Band38_5MHz_QPSK_HCH_2617.5MHz_RB_1_24_NTNV



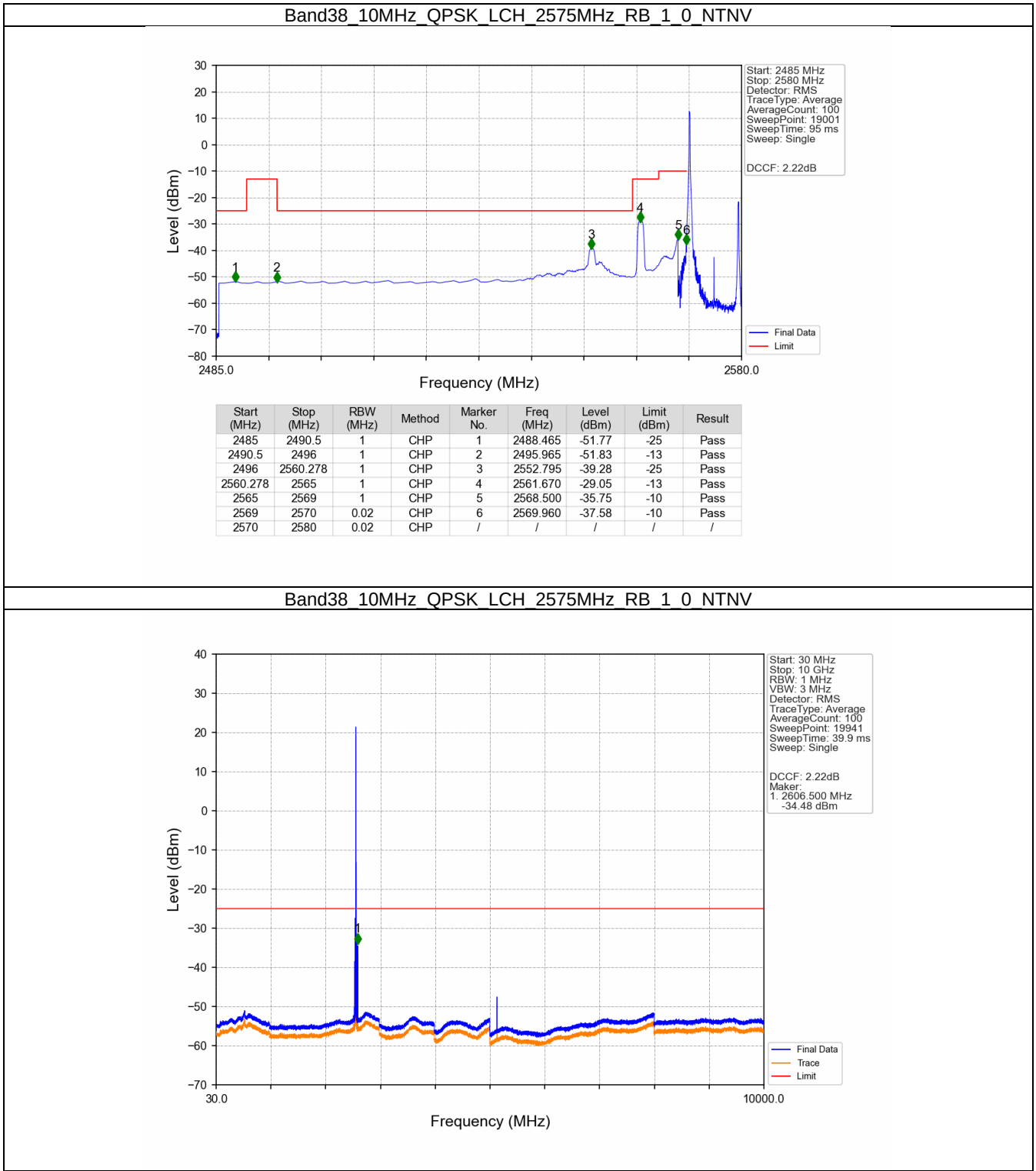
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2615	2620	0.02	CHP	/	/	/	/	/
2620	2621	0.02	CHP	1	2620.005	-31.65	-10	Pass
2621	2625	1	CHP	2	2623.695	-31.36	-10	Pass
2625	2626	1	CHP	3	2625.005	-45.76	-13	Pass
2626	2630	1	CHP	4	2628.185	-43.72	-25	Pass

Band38_5MHz_QPSK_HCH_2617.5MHz_RB_25_0_NTNV

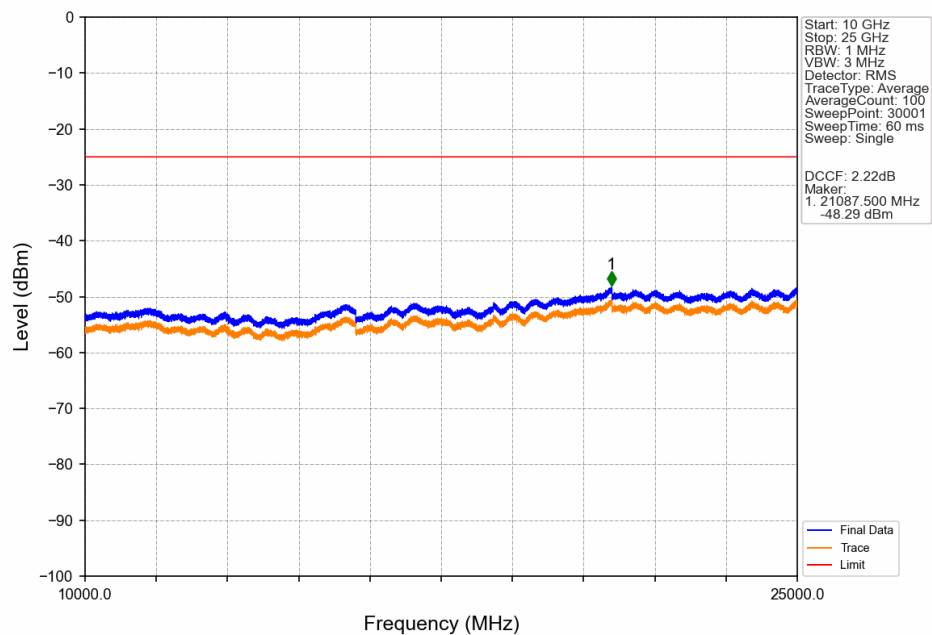


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2615	2620	0.103	CHP	/	/	/	/	/
2620	2621	0.103	CHP	1	2620.010	-30.84	-10	Pass
2621	2625	1	CHP	2	2621.510	-25.41	-10	Pass
2625	2626	1	CHP	3	2625.005	-34.44	-13	Pass
2626	2630	1	CHP	4	2626.010	-36.86	-25	Pass

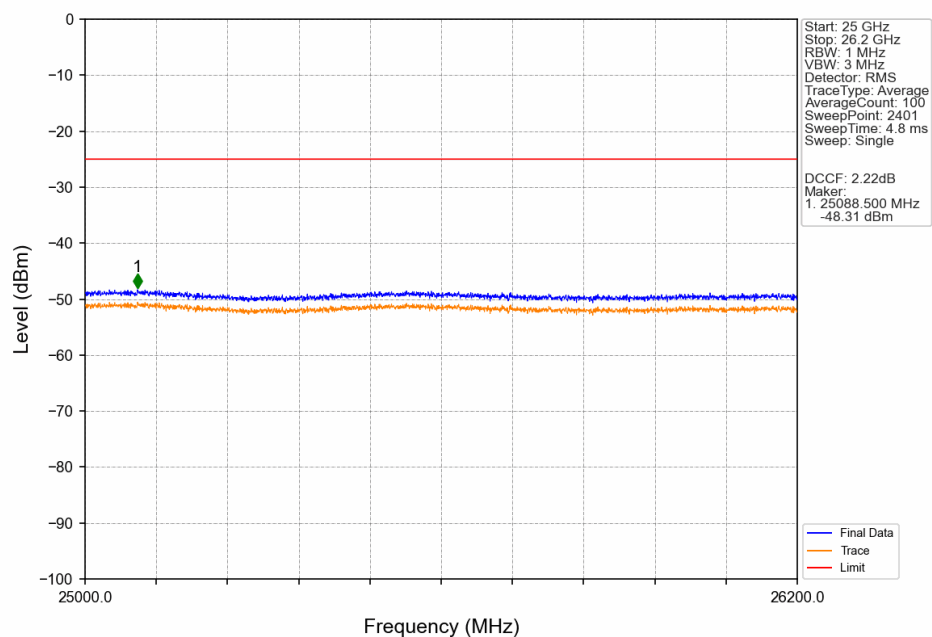
5.2.2 B38_10MHz



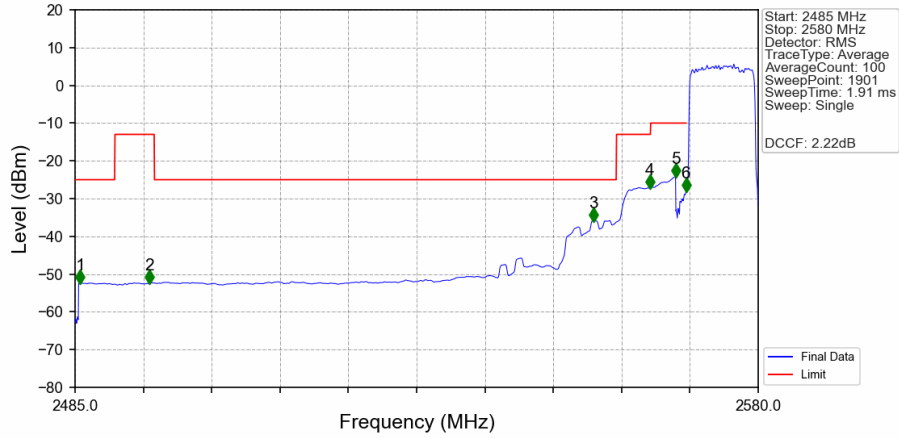
Band38_10MHz_QPSK_LCH_2575MHz_RB_1_0_NTNV



Band38_10MHz_QPSK_LCH_2575MHz_RB_1_0_NTNV

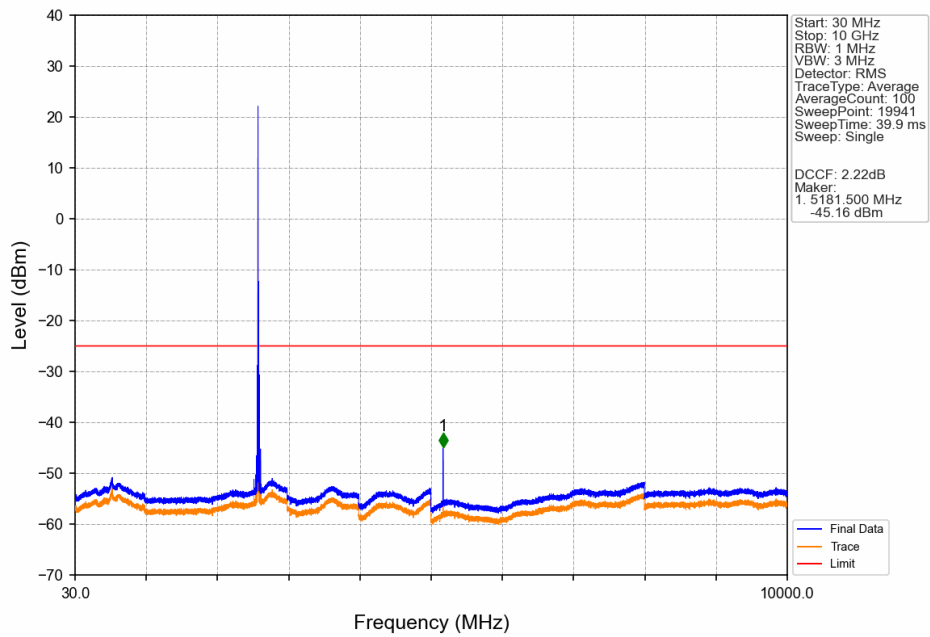


Band38_10MHz_QPSK_LCH_2575MHz_RB_50_0_NTNV

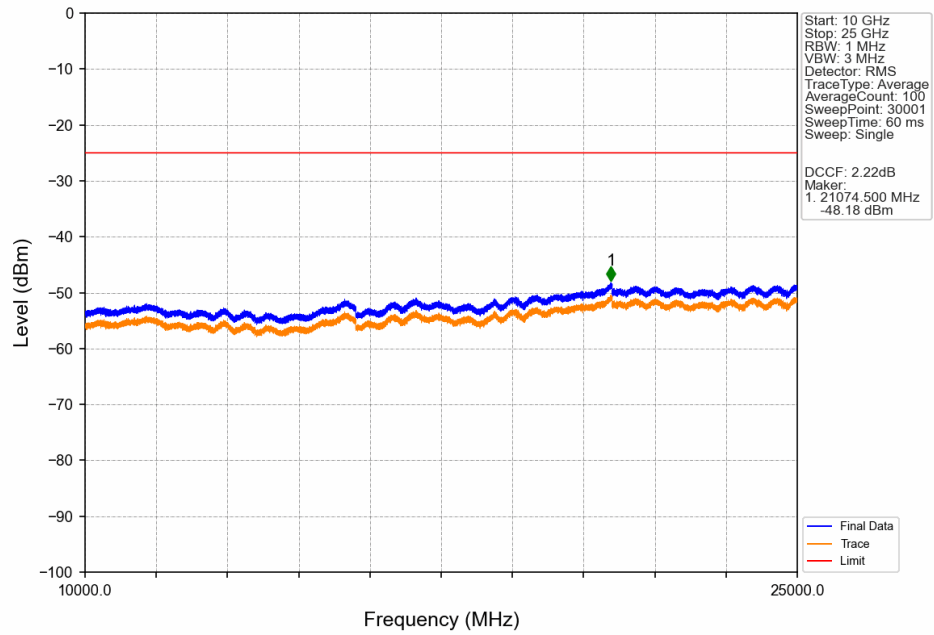


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2485.700	-52.29	-25	Pass
2490.5	2496	1	CHP	2	2495.350	-52.30	-13	Pass
2496	2560.278	1	CHP	3	2557.100	-35.84	-25	Pass
2560.278	2565	1	CHP	4	2564.950	-27.11	-13	Pass
2565	2569	1	CHP	5	2568.500	-24.15	-10	Pass
2569	2570	0.194	CHP	6	2569.950	-27.95	-10	Pass
2570	2580	0.194	CHP	/	/	/	/	/

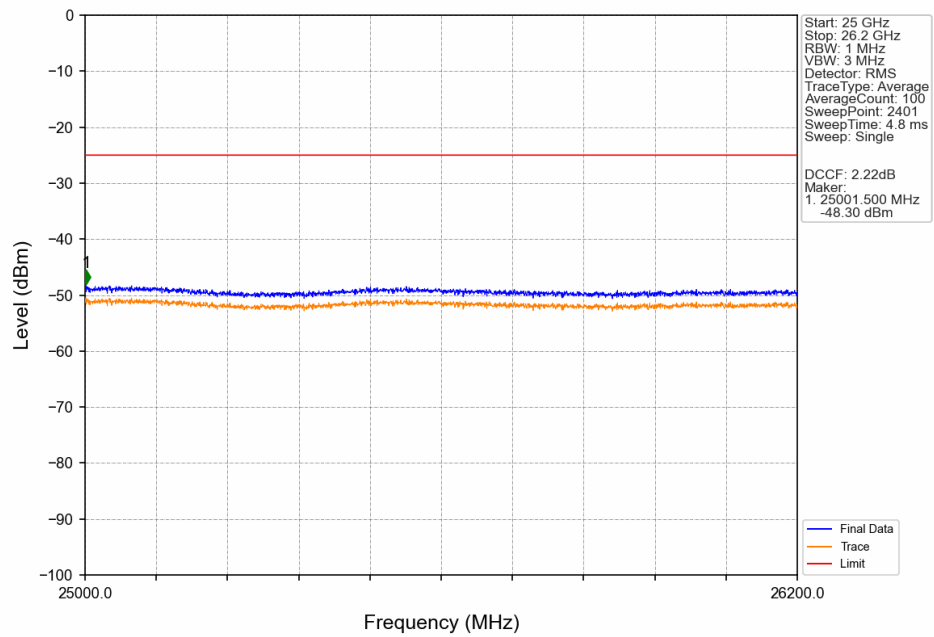
Band38_10MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



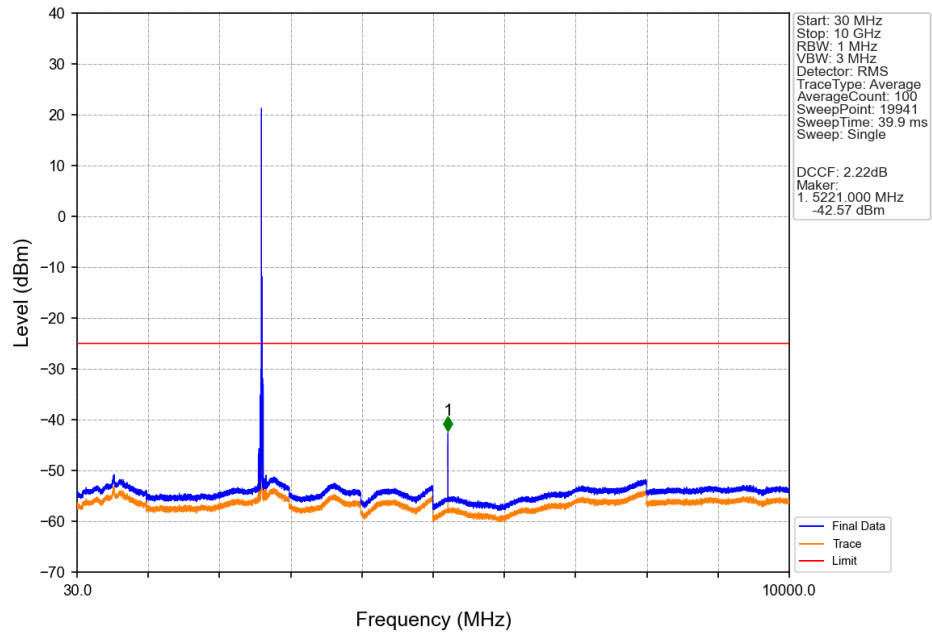
Band38_10MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



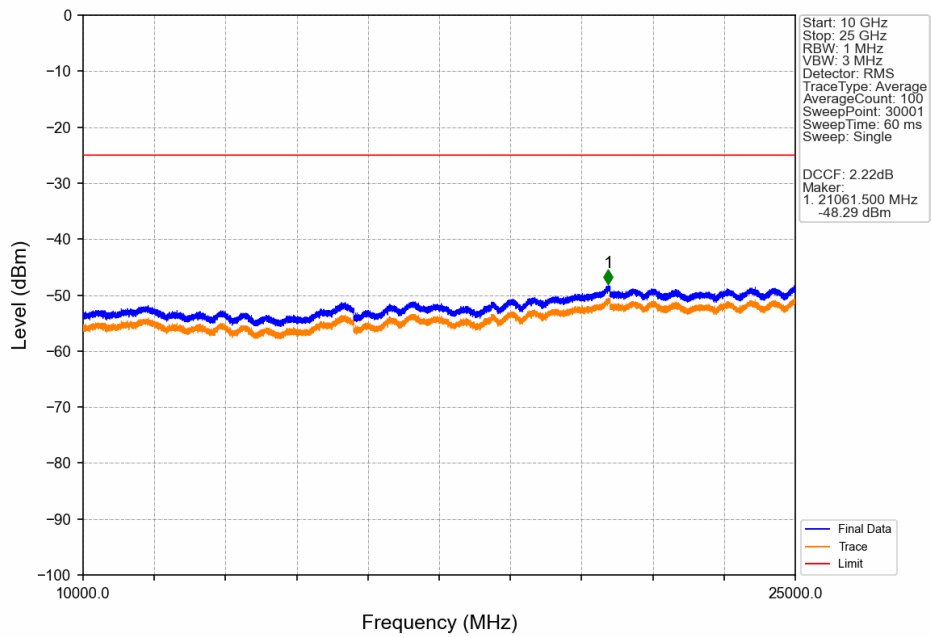
Band38_10MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



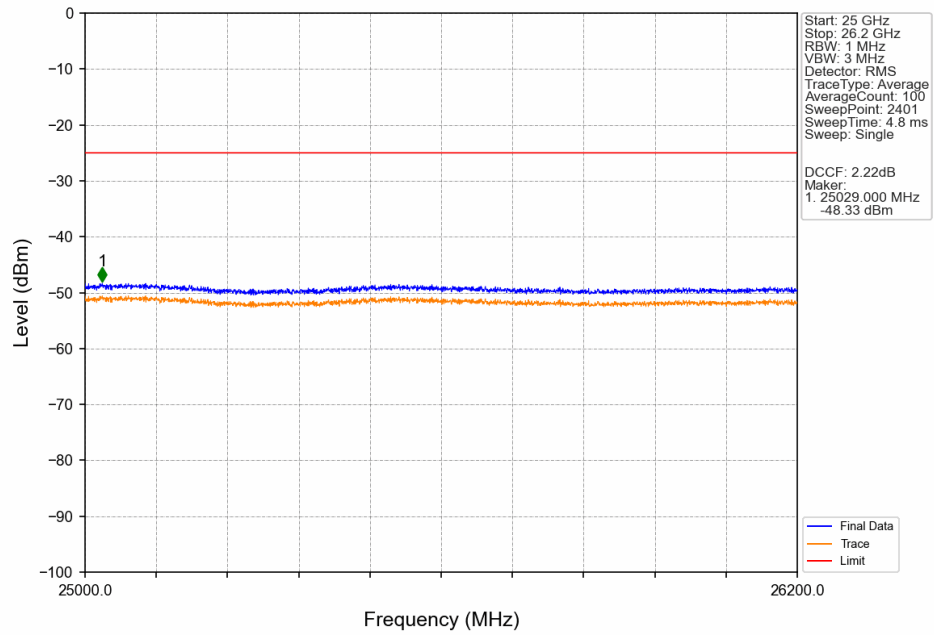
Band38_10MHz_QPSK_HCH_2615MHz_RB_1_0_NTNV



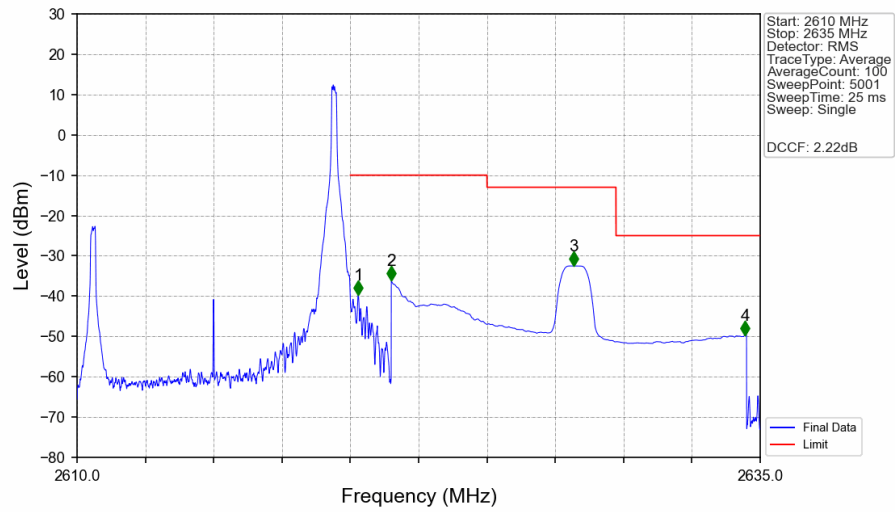
Band38_10MHz_QPSK_HCH_2615MHz_RB_1_0_NTNV



Band38_10MHz_QPSK_HCH_2615MHz_RB_1_0_NTNV

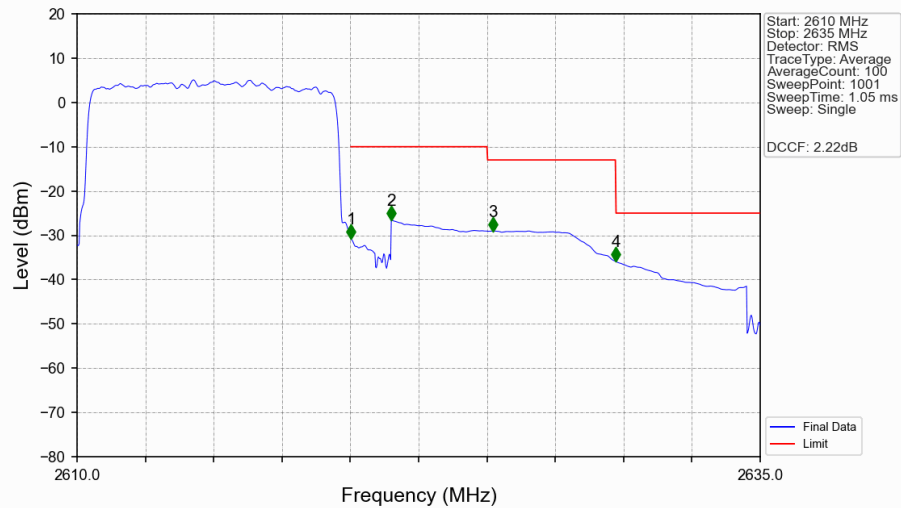


Band38_10MHz_QPSK_HCH_2615MHz_RB_1_49_NTNV



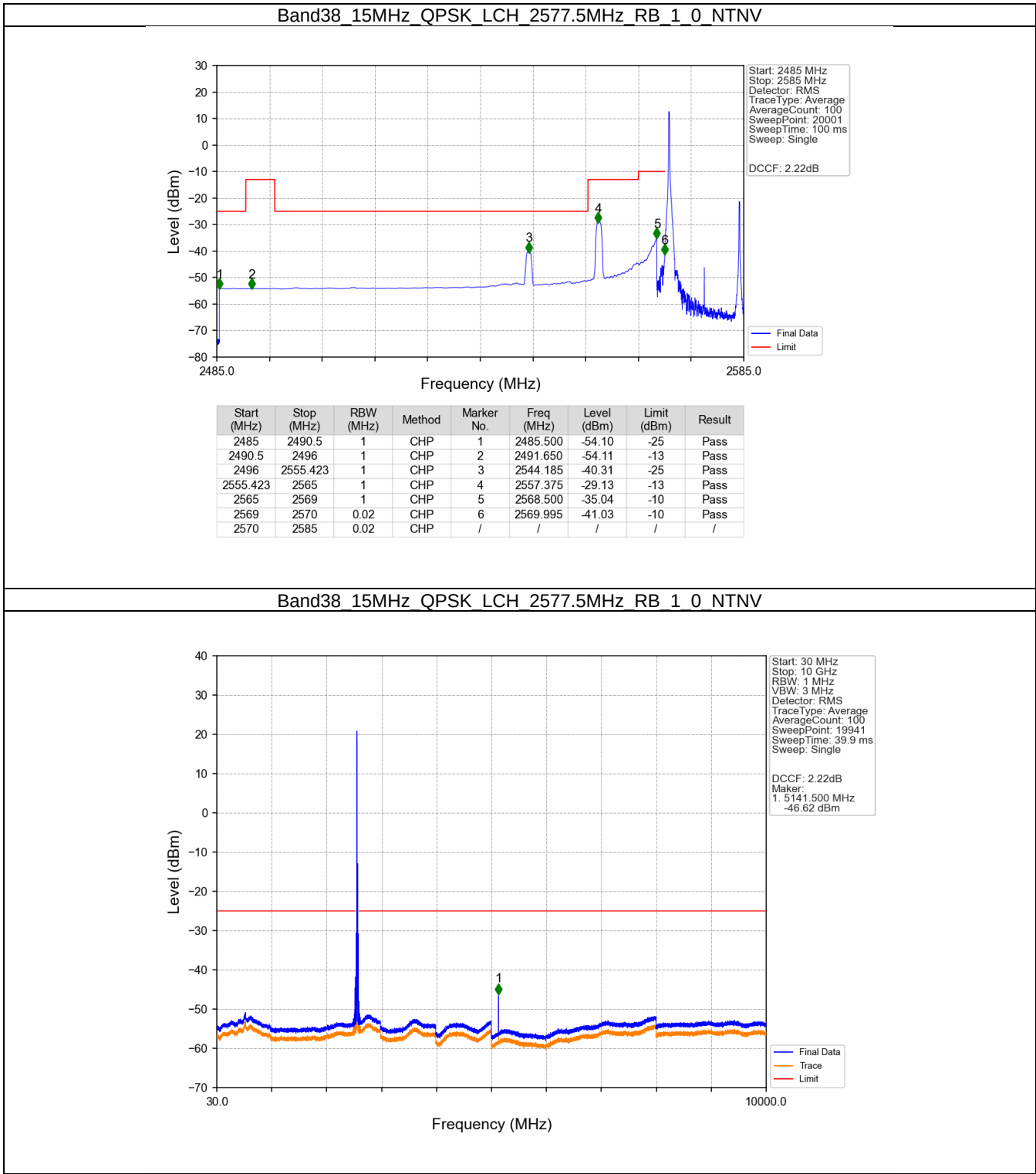
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2610	2620	0.02	CHP	/	/	/	/	/
2620	2621	0.02	CHP	1	2620.290	-39.64	-10	Pass
2621	2625	1	CHP	2	2621.500	-36.15	-10	Pass
2625	2629.722	1	CHP	3	2628.180	-32.51	-13	Pass
2629.722	2635	1	CHP	4	2634.445	-49.63	-25	Pass

Band38_10MHz_QPSK_HCH_2615MHz_RB_50_0_NTNV

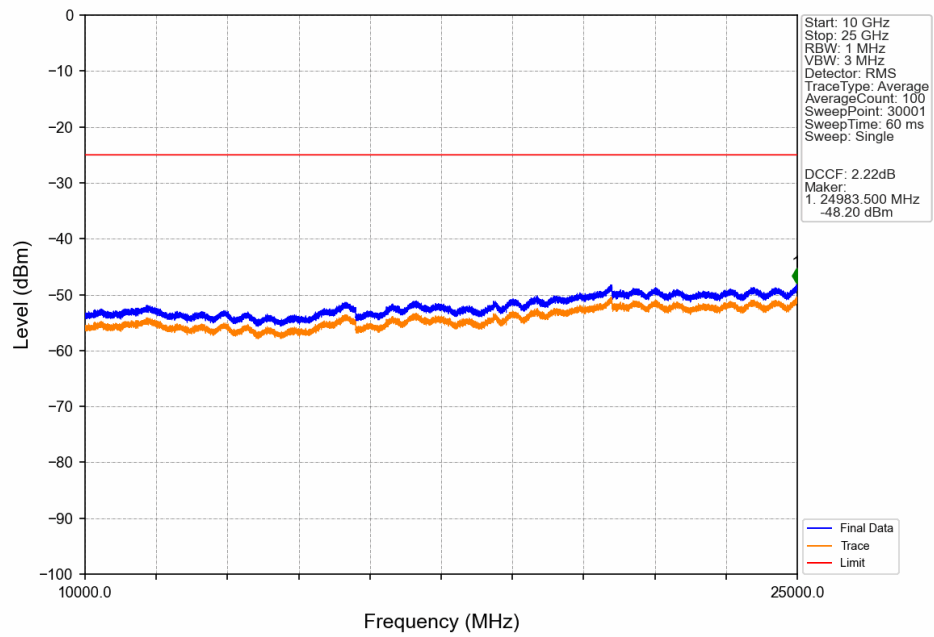


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2610	2620	0.194	CHP	/	/	/	/	/
2620	2621	0.194	CHP	1	2620.025	-30.75	-10	Pass
2621	2625	1	CHP	2	2621.500	-26.53	-10	Pass
2625	2629.722	1	CHP	3	2625.225	-29.04	-13	Pass
2629.722	2635	1	CHP	4	2629.725	-35.92	-25	Pass

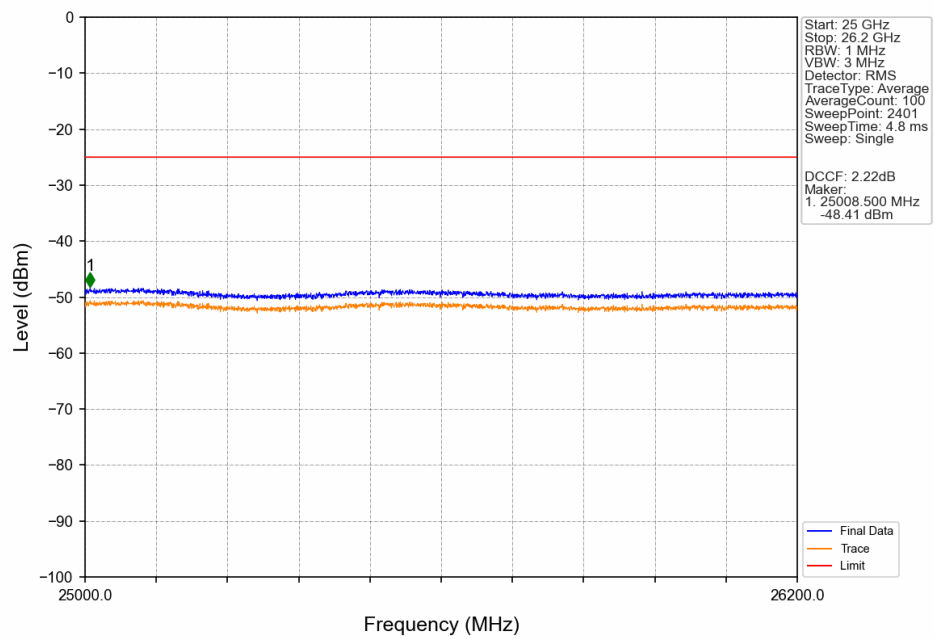
5.2.3 B38_15MHz



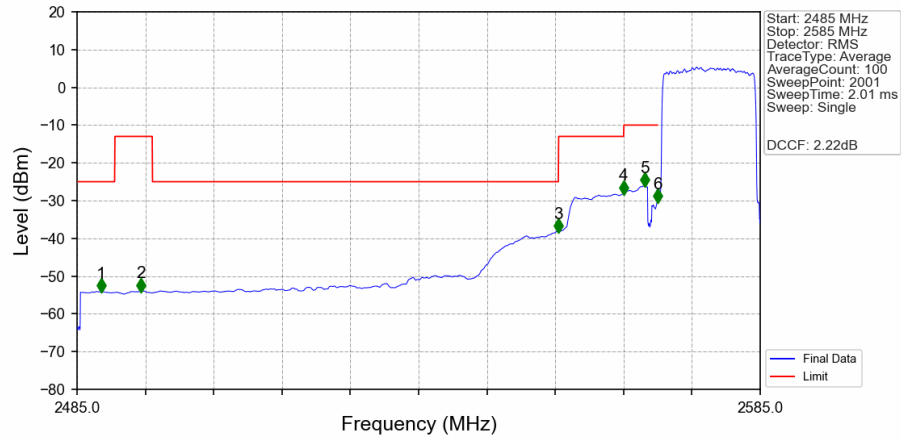
Band38_15MHz_QPSK_LCH_2577.5MHz_RB_1_0_NTNV



Band38_15MHz_QPSK_LCH_2577.5MHz_RB_1_0_NTNV

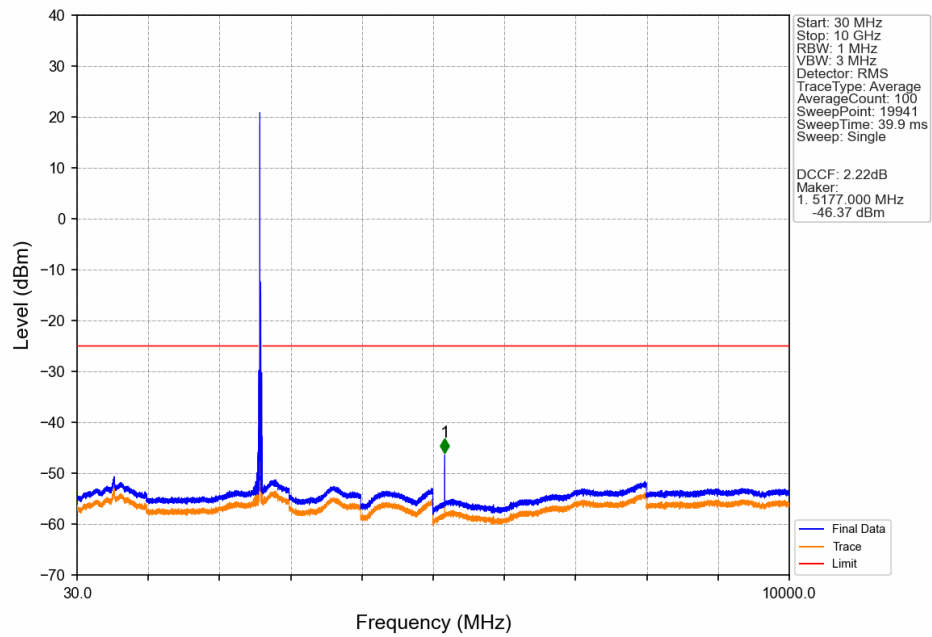


Band38_15MHz_QPSK_LCH_2577.5MHz_RB_75_0_NTNV

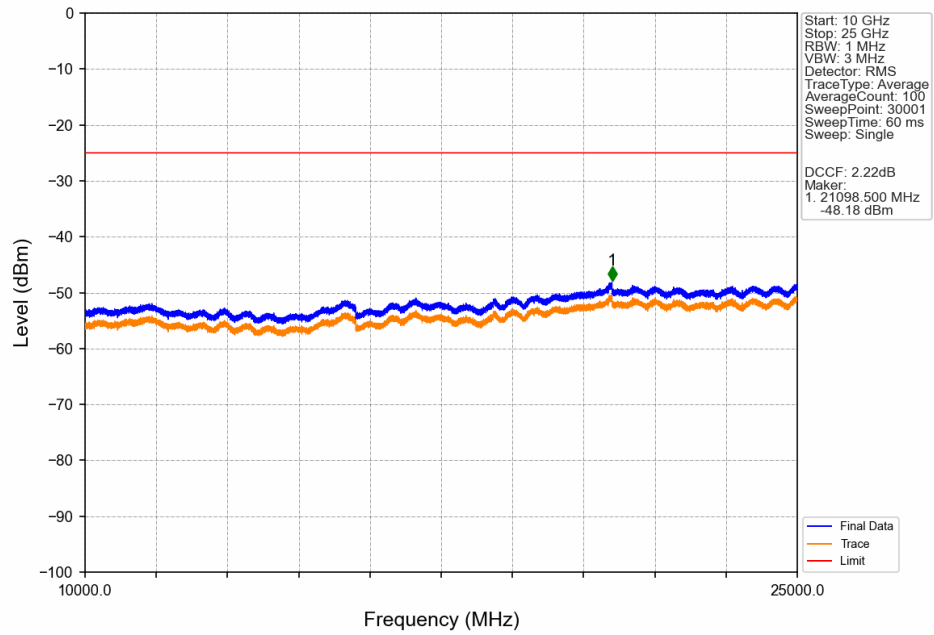


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2488.550	-54.01	-25	Pass
2490.5	2496	1	CHP	2	2494.350	-53.93	-13	Pass
2496	2555.46	1	CHP	3	2555.400	-38.18	-25	Pass
2555.46	2565	1	CHP	4	2565.000	-28.06	-13	Pass
2565	2569	1	CHP	5	2568.050	-26.04	-10	Pass
2569	2570	0.291	CHP	6	2569.950	-30.26	-10	Pass
2570	2585	0.291	CHP	/	/	/	/	/

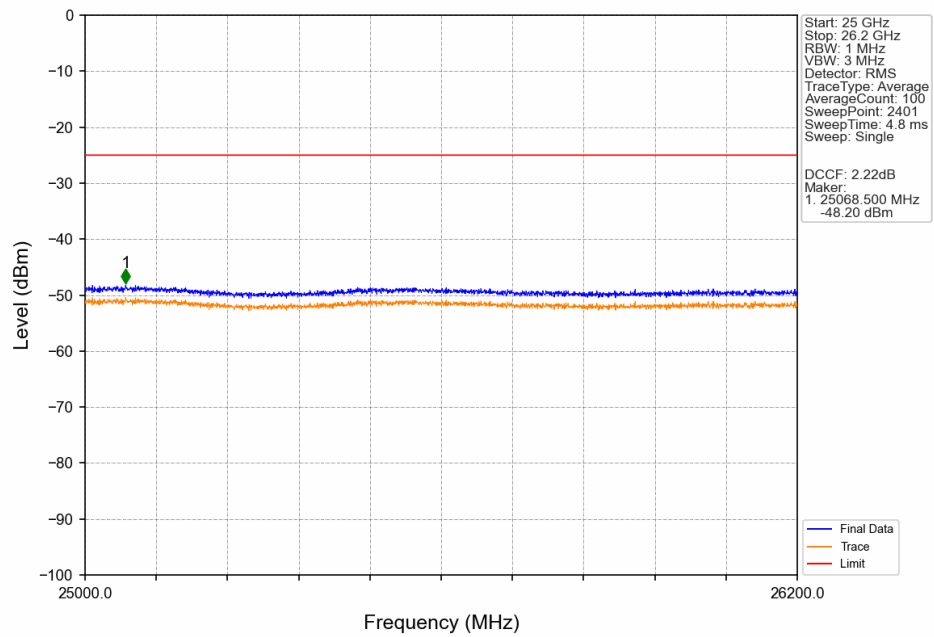
Band38_15MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



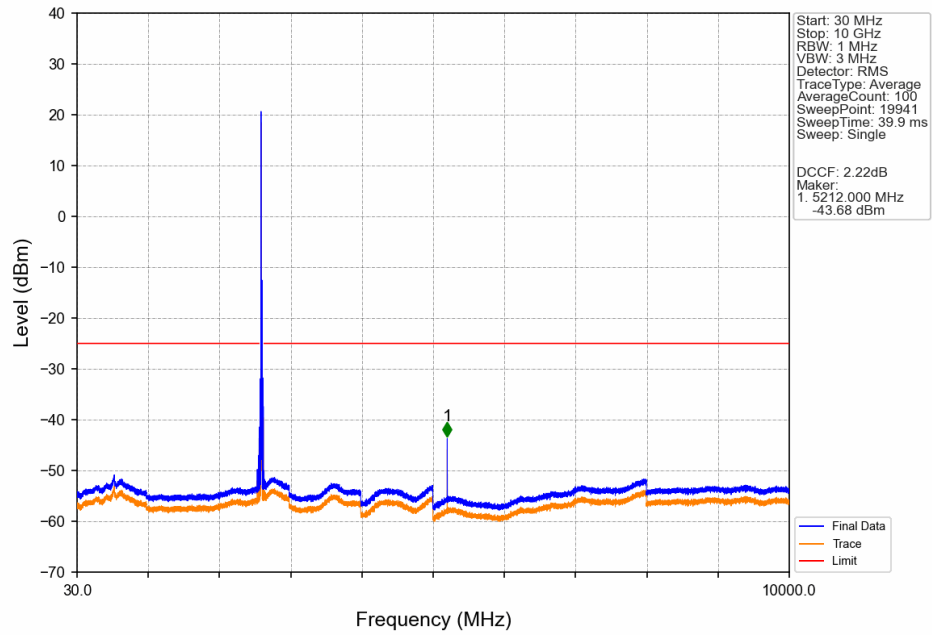
Band38_15MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



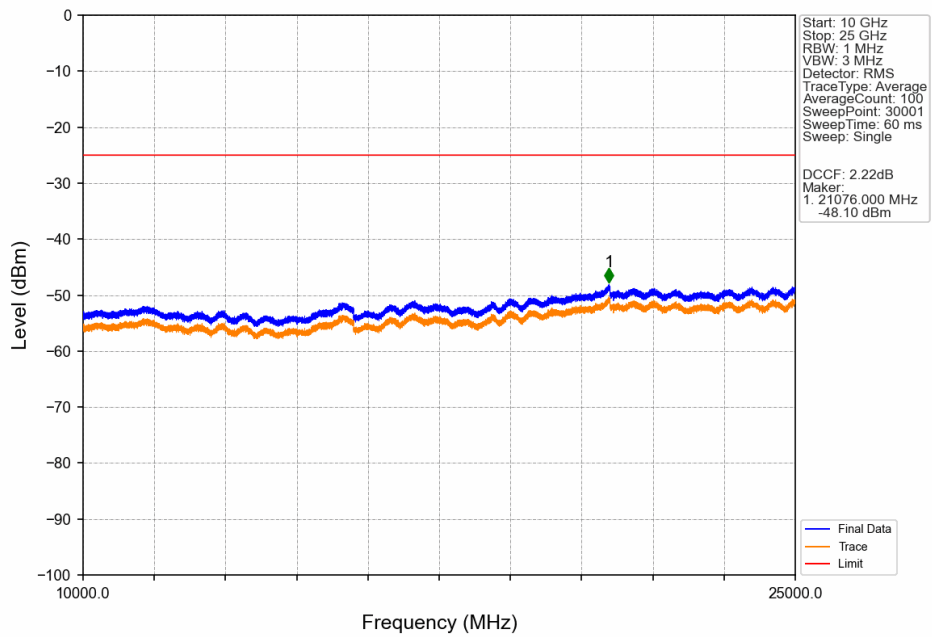
Band38_15MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



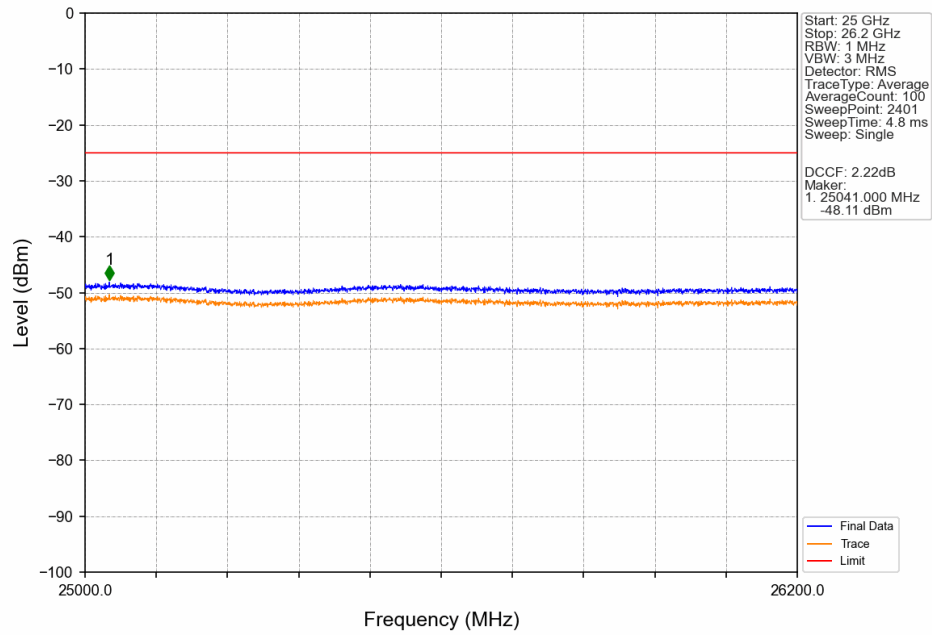
Band38_15MHz_QPSK_HCH_2612.5MHz_RB_1_0_NTNV



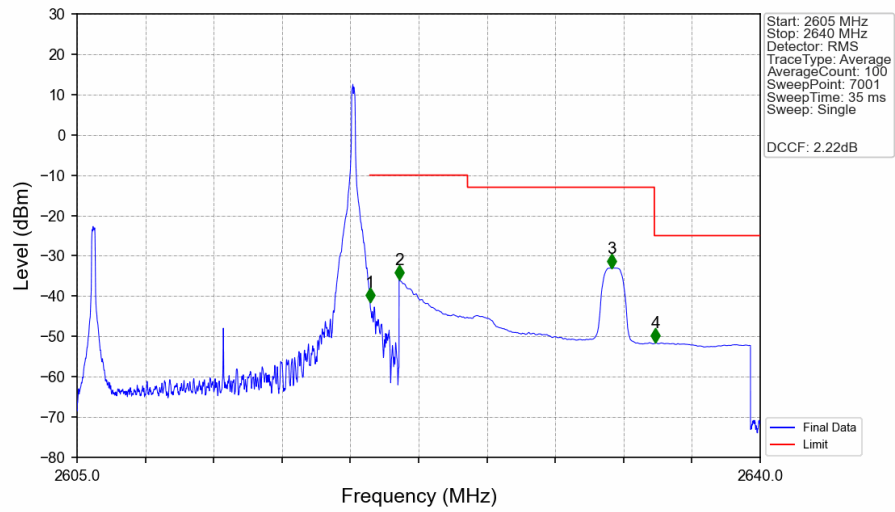
Band38_15MHz_QPSK_HCH_2612.5MHz_RB_1_0_NTNV



Band38_15MHz_QPSK_HCH_2612.5MHz_RB_1_0_NTNV

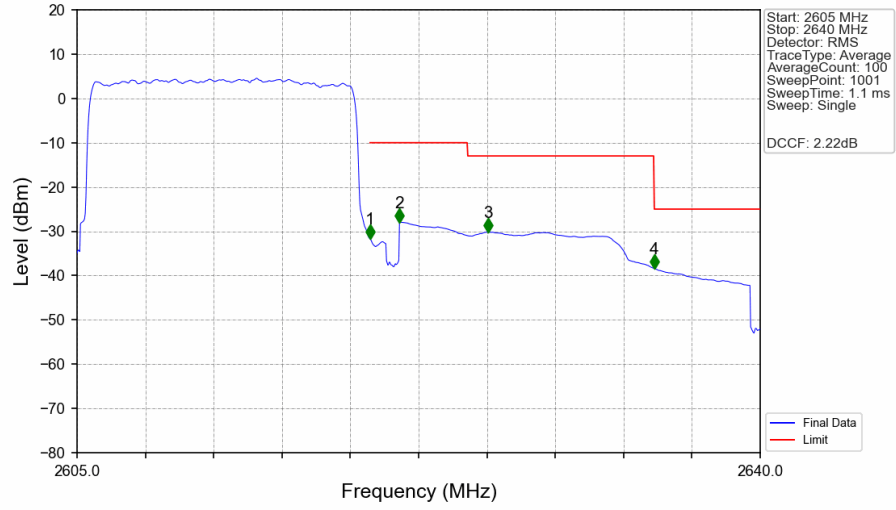


Band38_15MHz_QPSK_HCH_2612.5MHz_RB_1_74_NTNV



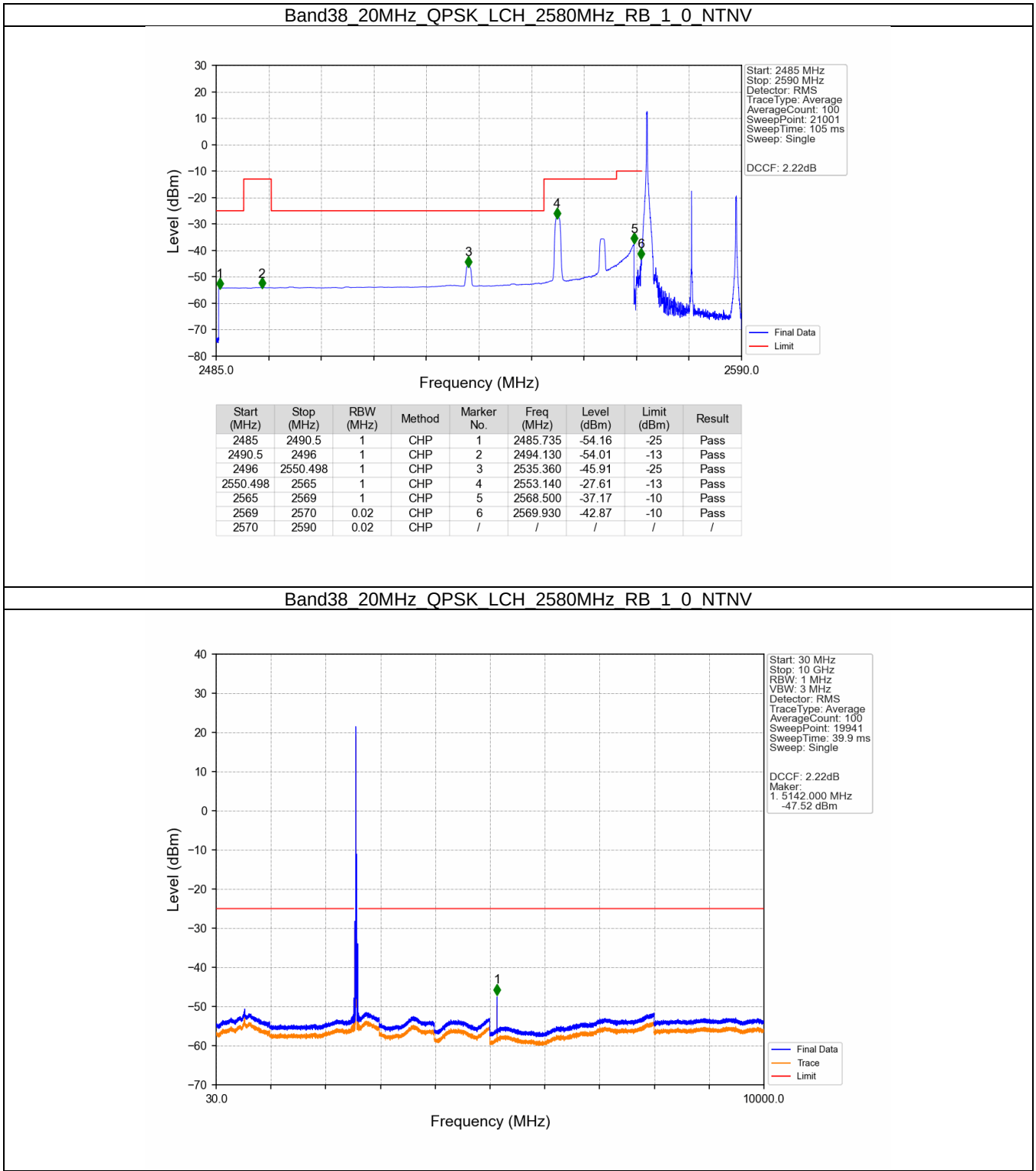
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2605	2620	0.02	CHP	/	/	/	/	/
2620	2621	0.02	CHP	1	2620.005	-41.46	-10	Pass
2621	2625	1	CHP	2	2621.500	-35.88	-10	Pass
2625	2634.577	1	CHP	3	2632.405	-33.04	-13	Pass
2634.577	2640	1	CHP	4	2634.640	-51.57	-25	Pass

Band38_15MHz_QPSK_HCH_2612.5MHz_RB_75_0_NTNV

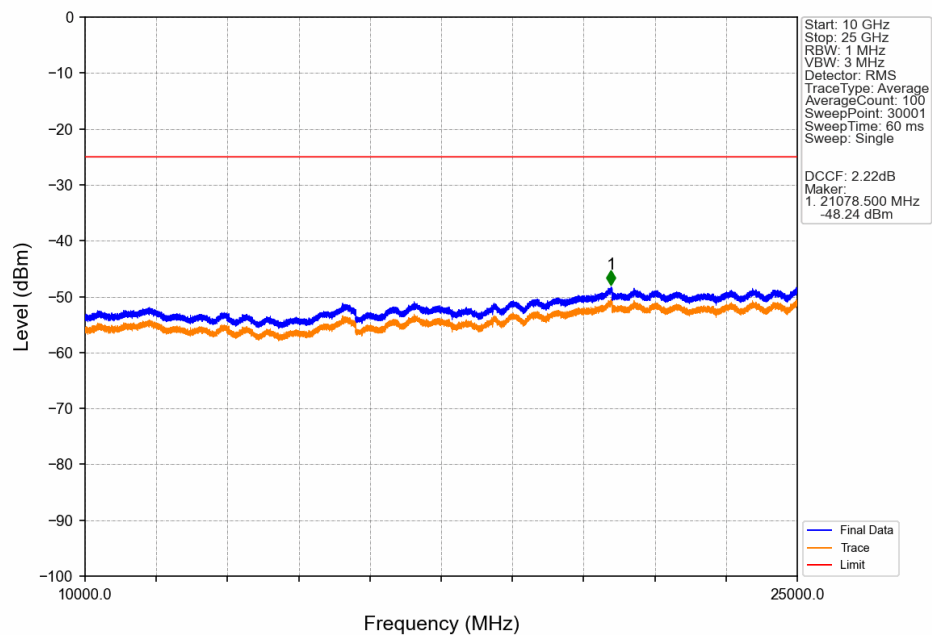


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2605	2620	0.291	CHP	/	/	/	/	/
2620	2621	0.291	CHP	1	2620.015	-31.73	-10	Pass
2621	2625	1	CHP	2	2621.520	-27.95	-10	Pass
2625	2634.54	1	CHP	3	2626.070	-30.17	-13	Pass
2634.54	2640	1	CHP	4	2634.575	-38.42	-25	Pass

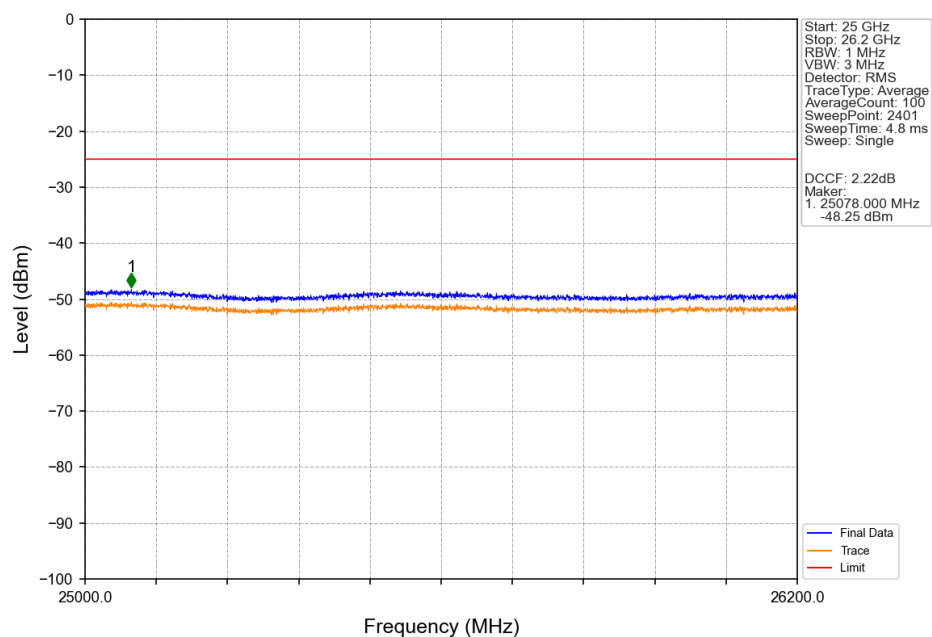
5.2.4 B38_20MHz



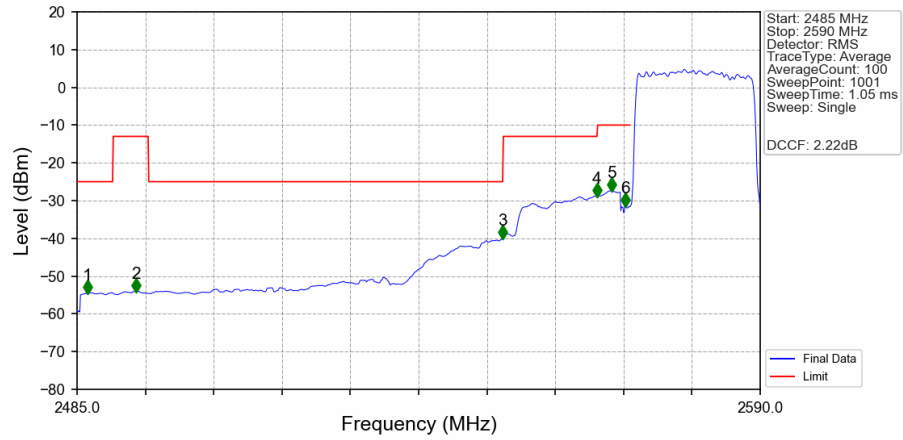
Band38_20MHz_QPSK_LCH_2580MHz_RB_1_0_NTNV



Band38_20MHz_QPSK_LCH_2580MHz_RB_1_0_NTNV

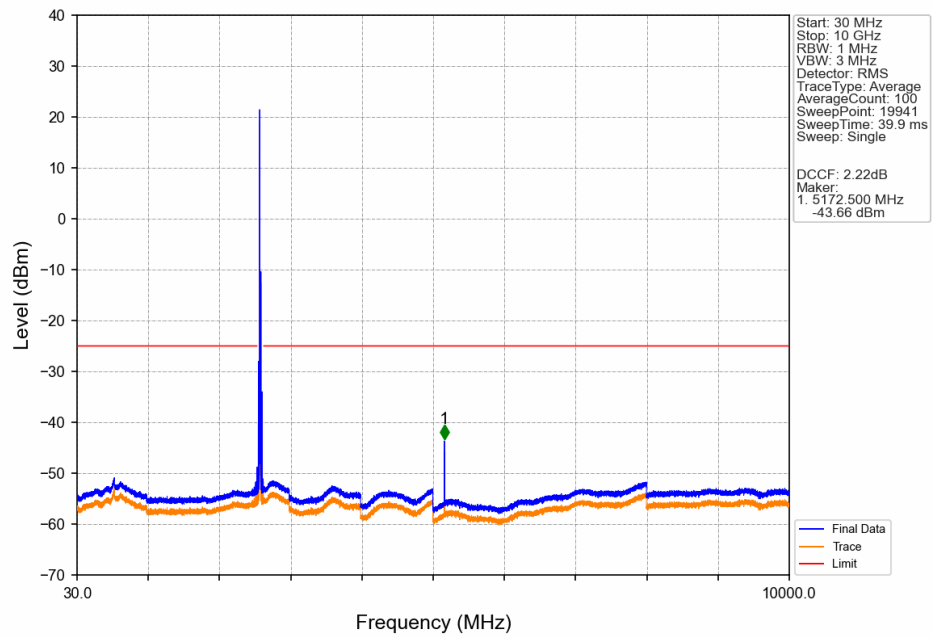


Band38_20MHz_QPSK_LCH_2580MHz_RB_100_0_NTNV

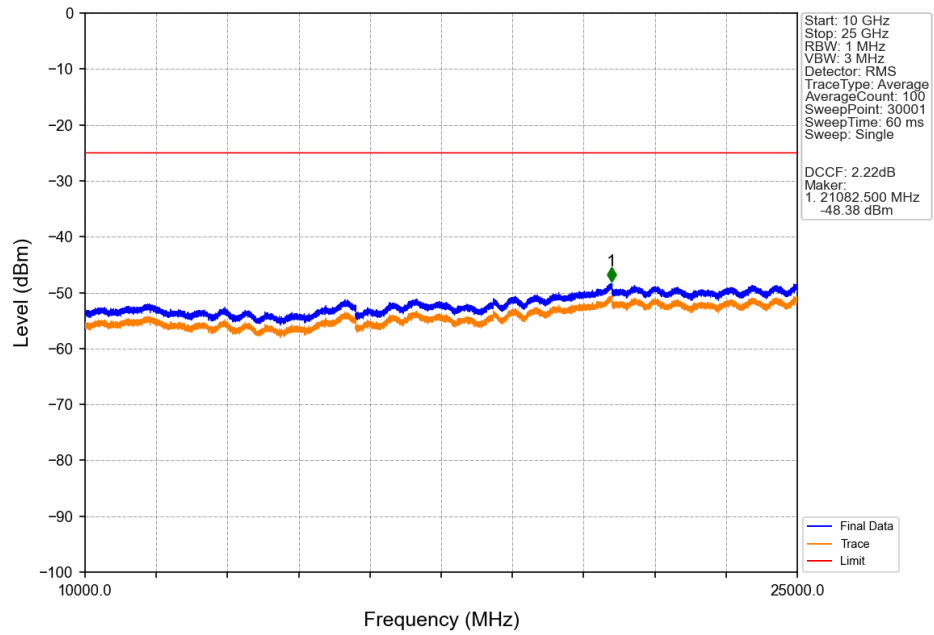


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2486.575	-54.41	-25	Pass
2490.5	2496	1	CHP	2	2494.030	-54.02	-13	Pass
2496	2550.498	1	CHP	3	2550.415	-40.01	-25	Pass
2550.498	2565	1	CHP	4	2564.905	-28.85	-13	Pass
2565	2569	1	CHP	5	2567.110	-27.37	-10	Pass
2569	2570	0.39	CHP	6	2569.315	-31.37	-10	Pass
2570	2590	0.39	CHP	/	/	/	/	/

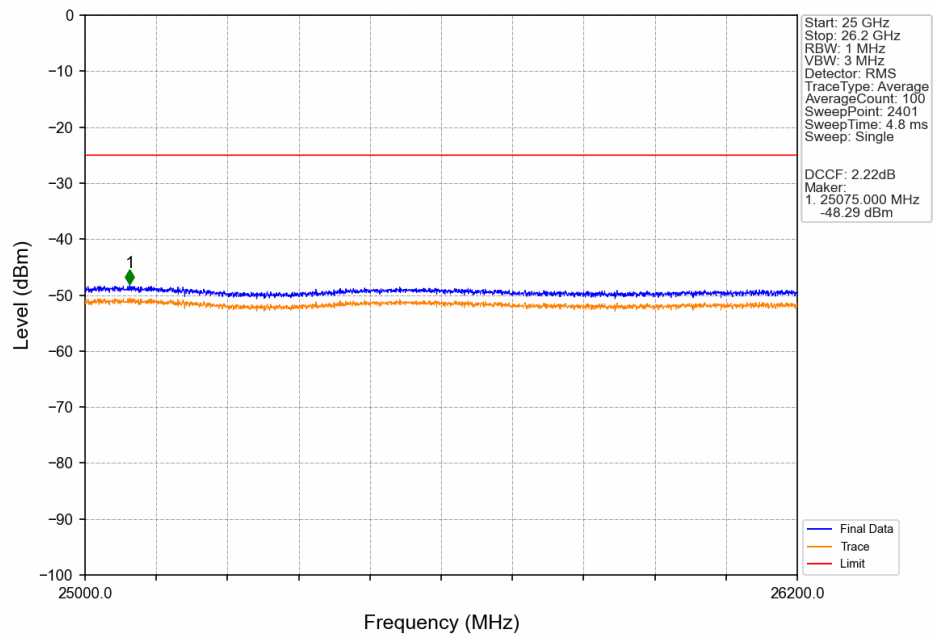
Band38_20MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



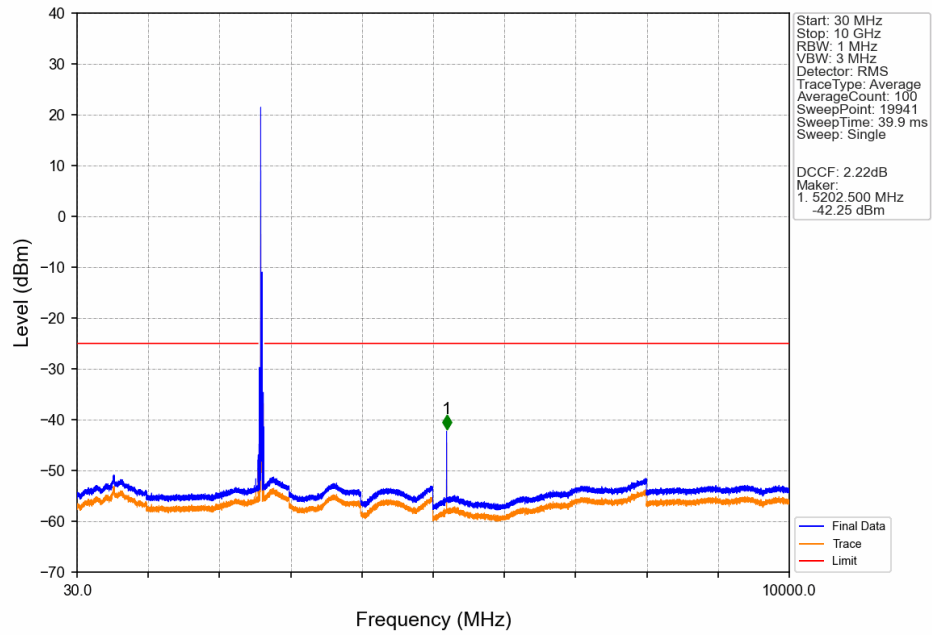
Band38_20MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



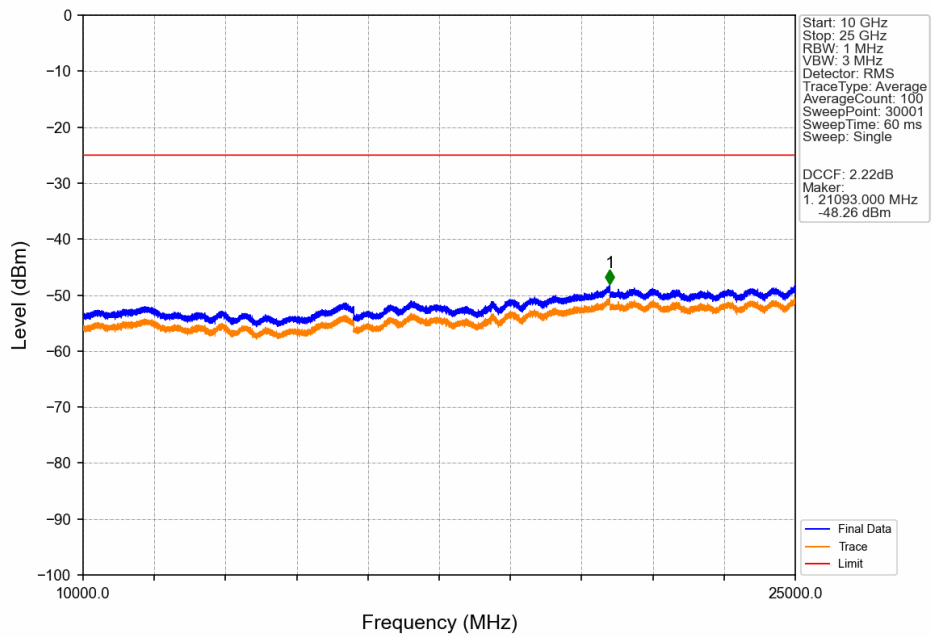
Band38_20MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



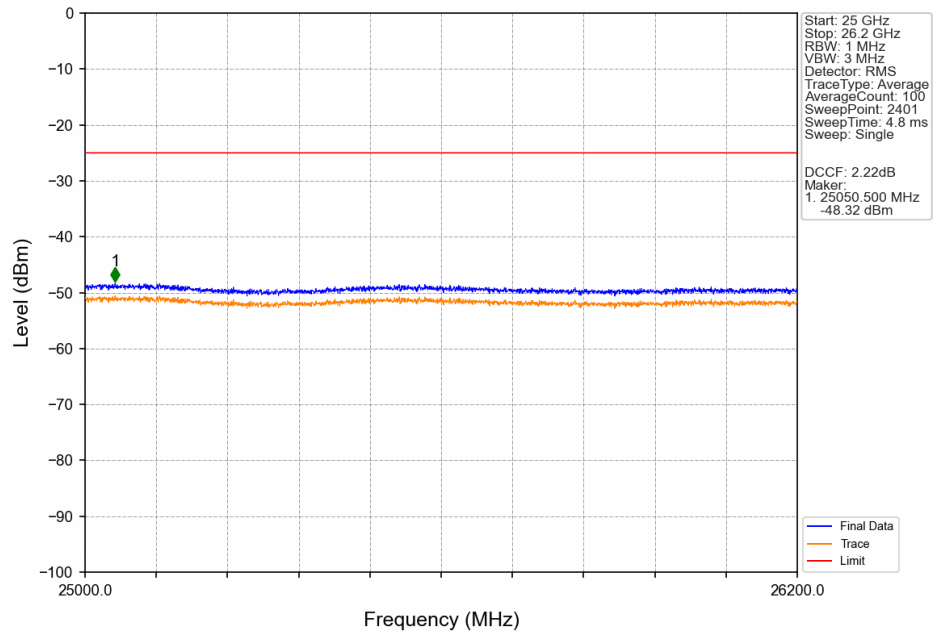
Band38_20MHz_QPSK_HCH_2610MHz_RB_1_0_NTNV



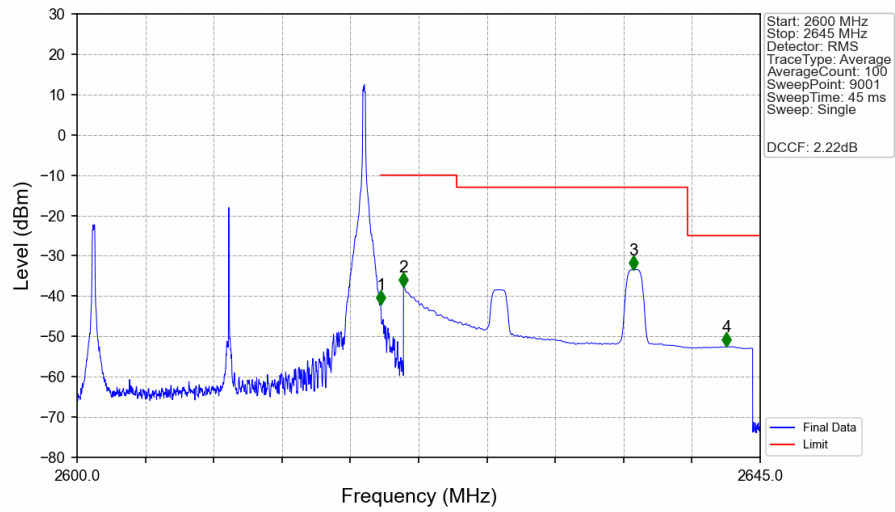
Band38_20MHz_QPSK_HCH_2610MHz_RB_1_0_NTNV



Band38_20MHz_QPSK_HCH_2610MHz_RB_1_0_NTNV

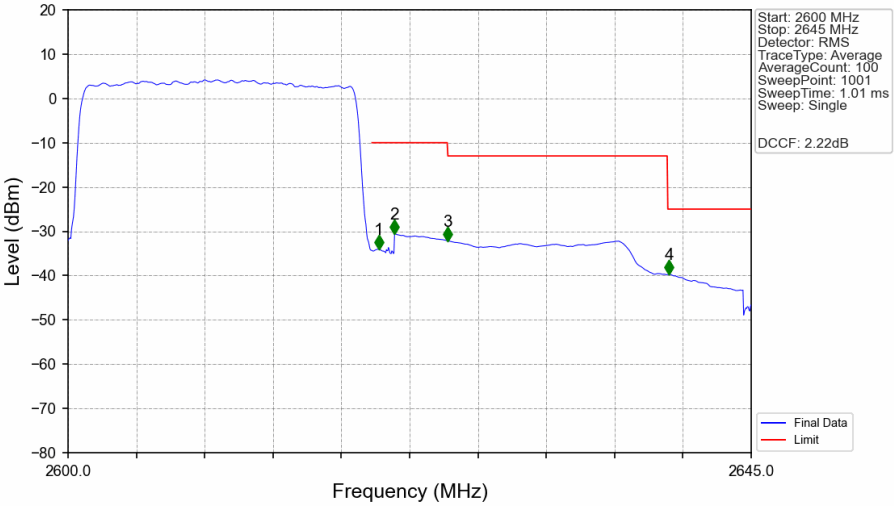


Band38_20MHz_QPSK_HCH_2610MHz_RB_1_99_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2600	2620	0.02	CHP	/	/	/	/	/
2620	2621	0.02	CHP	1	2620.005	-42.03	-10	Pass
2621	2625	1	CHP	2	2621.500	-37.63	-10	Pass
2625	2640.213	1	CHP	3	2636.630	-33.40	-13	Pass
2640.213	2645	1	CHP	4	2642.775	-52.52	-25	Pass

Band38_20MHz_QPSK_HCH_2610MHz_RB_100_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2600	2620	0.39	CHP	/	/	/	/	/
2620	2621	0.39	CHP	1	2620.475	-34.03	-10	Pass
2621	2625	1	CHP	2	2621.510	-30.51	-10	Pass
2625	2639.502	1	CHP	3	2625.020	-32.16	-13	Pass
2639.502	2645	1	CHP	4	2639.600	-39.70	-25	Pass

6. Field Strength of Spurious Radiation

Test Band = LTE Band 38_ TM1

Test Channel = Low Channel

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	5142.18	59.93	-47.85	31.60	-51.58	-25.00	26.58	Horizontal
2	7713.27	58.77	-45.17	36.36	-45.30	-25.00	20.30	Horizontal
3	10284.36	48.05	-41.30	39.00	-49.51	-25.00	24.51	Horizontal
4	12855.45	49.57	-39.37	38.89	-46.18	-25.00	21.18	Horizontal
5	15426.54	55.66	-37.45	39.43	-37.62	-25.00	12.62	Horizontal
6	17997.63	51.53	-36.60	44.79	-35.54	-25.00	10.54	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	5142	57.07	-47.85	31.60	-54.44	-25.00	29.44	Vertical
2	15426.5	62.21	-37.45	39.43	-31.06	-25.00	6.06	Vertical
3	7713.27	61.47	-45.17	36.36	-42.60	-25.00	17.60	Vertical
4	10284.36	49.82	-41.30	39.00	-47.74	-25.00	22.74	Vertical
5	12855.45	53.07	-39.37	38.89	-42.68	-25.00	17.68	Vertical
6	17997.63	51.81	-36.60	44.79	-35.26	-25.00	10.26	Vertical

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

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	7758	57.48	-45.04	36.35	-46.47	-25.00	21.47	Horizontal
2	16903.5	54.42	-36.58	38.76	-38.66	-25.00	13.66	Horizontal
3	5172.18	60.97	-47.87	31.68	-50.48	-25.00	25.48	Horizontal
4	10344.36	48.16	-41.19	39.04	-49.25	-25.00	24.25	Horizontal
5	12930.45	50.37	-39.42	38.84	-45.47	-25.00	20.47	Horizontal
6	15516.54	54.37	-37.99	39.27	-39.61	-25.00	14.61	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	7758	56.55	-45.04	36.35	-47.40	-25.00	22.40	Vertical
2	15516.5	59.89	-38.00	39.27	-34.10	-25.00	9.10	Vertical
3	16901.5	54.86	-36.56	38.76	-38.20	-25.00	13.20	Vertical
4	5172.18	57.59	-47.87	31.68	-53.86	-25.00	28.86	Vertical
5	10344.36	49.28	-41.19	39.04	-48.13	-25.00	23.13	Vertical
6	12930.45	51.20	-39.42	38.84	-44.64	-25.00	19.64	Vertical

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

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	7803	56.37	-44.93	36.34	-47.48	-25.00	22.48	Horizontal
2	17390	53.50	-37.35	41.14	-37.97	-25.00	12.97	Horizontal
3	5202.18	64.00	-47.89	31.77	-47.38	-25.00	22.38	Horizontal
4	10404.36	48.85	-41.21	39.08	-48.54	-25.00	23.54	Horizontal
5	13005.45	49.43	-39.34	38.81	-46.36	-25.00	21.36	Horizontal
6	15606.54	51.36	-37.65	39.11	-42.44	-25.00	17.44	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	5202	61.66	-47.89	31.77	-49.72	-25.00	24.72	Vertical
2	7803.27	54.87	-44.93	36.34	-48.98	-25.00	23.98	Vertical
3	10404.36	50.61	-41.21	39.08	-46.78	-25.00	21.78	Vertical
4	13005.45	51.44	-39.34	38.81	-44.35	-25.00	19.35	Vertical
5	15606.54	59.13	-37.65	39.11	-34.67	-25.00	9.67	Vertical