

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 B38_5MHz_EIRP

Band: 38 / Bandwidth: 5MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	2572.5	1	0	23.21	1.00	24.21	<=33.01	Pass
			24	23.12	1.00	24.12	<=33.01	Pass
		25	0	22.20	1.00	23.20	<=33.01	Pass
	2595	1	0	23.12	1.00	24.12	<=33.01	Pass
			24	23.05	1.00	24.05	<=33.01	Pass
		25	0	22.12	1.00	23.12	<=33.01	Pass
	2617.5	1	0	22.94	1.00	23.94	<=33.01	Pass
			24	22.91	1.00	23.91	<=33.01	Pass
		25	0	22.02	1.00	23.02	<=33.01	Pass
16QAM	2572.5	1	0	22.23	1.00	23.23	<=33.01	Pass
			24	22.27	1.00	23.27	<=33.01	Pass
		25	0	21.21	1.00	22.21	<=33.01	Pass
	2595	1	0	22.03	1.00	23.03	<=33.01	Pass
			24	22.17	1.00	23.17	<=33.01	Pass
		25	0	21.12	1.00	22.12	<=33.01	Pass
	2617.5	1	0	22.08	1.00	23.08	<=33.01	Pass
			24	22.04	1.00	23.04	<=33.01	Pass
		25	0	21.03	1.00	22.03	<=33.01	Pass
64QAM	2572.5	1	0	20.85	1.00	21.85	<=33.01	Pass
			24	20.85	1.00	21.85	<=33.01	Pass
		25	0	20.29	1.00	21.29	<=33.01	Pass
	2595	1	0	20.85	1.00	21.85	<=33.01	Pass
			24	20.77	1.00	21.77	<=33.01	Pass
		25	0	20.27	1.00	21.27	<=33.01	Pass
	2617.5	1	0	20.67	1.00	21.67	<=33.01	Pass
			24	20.66	1.00	21.66	<=33.01	Pass
		25	0	20.21	1.00	21.21	<=33.01	Pass
256QAM	2572.5	1	0	18.11	1.00	19.11	<=33.01	Pass
			24	18.07	1.00	19.07	<=33.01	Pass
		25	0	18.25	1.00	19.25	<=33.01	Pass
	2595	1	0	18.02	1.00	19.02	<=33.01	Pass
			24	17.93	1.00	18.93	<=33.01	Pass
		25	0	18.26	1.00	19.26	<=33.01	Pass
	2617.5	1	0	18.00	1.00	19.00	<=33.01	Pass
			24	18.00	1.00	19.00	<=33.01	Pass
		25	0	18.19	1.00	19.19	<=33.01	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.1.2 B38_10MHz_EIRP

Band: 38 / Bandwidth: 10MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	2575	1	0	23.34	1.00	24.34	<=33.01	Pass
			49	23.30	1.00	24.30	<=33.01	Pass
		50	0	22.21	1.00	23.21	<=33.01	Pass
	2595	1	0	23.19	1.00	24.19	<=33.01	Pass

			49	23.06	1.00	24.06	<=33.01	Pass
		50	0	22.15	1.00	23.15	<=33.01	Pass
	2615	1	0	23.05	1.00	24.05	<=33.01	Pass
			49	22.97	1.00	23.97	<=33.01	Pass
		50	0	22.03	1.00	23.03	<=33.01	Pass
16QAM	2575	1	0	22.31	1.00	23.31	<=33.01	Pass
			49	22.31	1.00	23.31	<=33.01	Pass
		50	0	21.24	1.00	22.24	<=33.01	Pass
	2595	1	0	22.32	1.00	23.32	<=33.01	Pass
			49	22.12	1.00	23.12	<=33.01	Pass
		50	0	21.16	1.00	22.16	<=33.01	Pass
	2615	1	0	22.16	1.00	23.16	<=33.01	Pass
			49	22.08	1.00	23.08	<=33.01	Pass
		50	0	21.07	1.00	22.07	<=33.01	Pass
64QAM	2575	1	0	20.96	1.00	21.96	<=33.01	Pass
			49	20.90	1.00	21.90	<=33.01	Pass
		50	0	20.27	1.00	21.27	<=33.01	Pass
	2595	1	0	20.89	1.00	21.89	<=33.01	Pass
			49	20.73	1.00	21.73	<=33.01	Pass
		50	0	20.22	1.00	21.22	<=33.01	Pass
	2615	1	0	20.69	1.00	21.69	<=33.01	Pass
			49	20.66	1.00	21.66	<=33.01	Pass
		50	0	20.15	1.00	21.15	<=33.01	Pass
256QAM	2575	1	0	18.15	1.00	19.15	<=33.01	Pass
			49	18.15	1.00	19.15	<=33.01	Pass
		50	0	18.31	1.00	19.31	<=33.01	Pass
	2595	1	0	18.16	1.00	19.16	<=33.01	Pass
			49	18.02	1.00	19.02	<=33.01	Pass
		50	0	18.27	1.00	19.27	<=33.01	Pass
	2615	1	0	18.05	1.00	19.05	<=33.01	Pass
			49	18.03	1.00	19.03	<=33.01	Pass
		50	0	18.23	1.00	19.23	<=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	23.37	1.00	24.37	<=33.01	Pass
			74	23.26	1.00	24.26	<=33.01	Pass
		75	0	22.22	1.00	23.22	<=33.01	Pass
	2595	1	0	23.14	1.00	24.14	<=33.01	Pass
			74	22.93	1.00	23.93	<=33.01	Pass
		75	0	22.10	1.00	23.10	<=33.01	Pass
	2612.5	1	0	23.03	1.00	24.03	<=33.01	Pass
			74	22.96	1.00	23.96	<=33.01	Pass
		75	0	22.03	1.00	23.03	<=33.01	Pass
16QAM	2577.5	1	0	21.96	1.00	22.96	<=33.01	Pass
			74	22.04	1.00	23.04	<=33.01	Pass
		75	0	21.23	1.00	22.23	<=33.01	Pass
	2595	1	0	22.33	1.00	23.33	<=33.01	Pass
			74	22.05	1.00	23.05	<=33.01	Pass
		75	0	21.16	1.00	22.16	<=33.01	Pass
	2612.5	1	0	22.11	1.00	23.11	<=33.01	Pass
			74	21.97	1.00	22.97	<=33.01	Pass
		75	0	21.09	1.00	22.09	<=33.01	Pass

64QAM	2577.5	1	0	20.93	1.00	21.93	<=33.01	Pass
			74	20.89	1.00	21.89	<=33.01	Pass
		75	0	20.28	1.00	21.28	<=33.01	Pass
	2595	1	0	20.92	1.00	21.92	<=33.01	Pass
			74	20.72	1.00	21.72	<=33.01	Pass
		75	0	20.23	1.00	21.23	<=33.01	Pass
	2612.5	1	0	20.73	1.00	21.73	<=33.01	Pass
			74	20.66	1.00	21.66	<=33.01	Pass
		75	0	20.18	1.00	21.18	<=33.01	Pass
256QAM	2577.5	1	0	18.12	1.00	19.12	<=33.01	Pass
			74	18.11	1.00	19.11	<=33.01	Pass
		75	0	18.29	1.00	19.29	<=33.01	Pass
	2595	1	0	18.15	1.00	19.15	<=33.01	Pass
			74	17.99	1.00	18.99	<=33.01	Pass
		75	0	18.25	1.00	19.25	<=33.01	Pass
	2612.5	1	0	18.03	1.00	19.03	<=33.01	Pass
			74	18.00	1.00	19.00	<=33.01	Pass
		75	0	18.20	1.00	19.20	<=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	22.88	1.00	23.88	<=33.01	Pass
			99	22.89	1.00	23.89	<=33.01	Pass
		100	0	22.26	1.00	23.26	<=33.01	Pass
	2595	1	0	23.25	1.00	24.25	<=33.01	Pass
			99	22.93	1.00	23.93	<=33.01	Pass
		100	0	22.16	1.00	23.16	<=33.01	Pass
	2610	1	0	23.10	1.00	24.10	<=33.01	Pass
			99	22.97	1.00	23.97	<=33.01	Pass
		100	0	22.09	1.00	23.09	<=33.01	Pass
16QAM	2580	1	0	22.36	1.00	23.36	<=33.01	Pass
			99	22.20	1.00	23.20	<=33.01	Pass
		100	0	21.27	1.00	22.27	<=33.01	Pass
	2595	1	0	22.37	1.00	23.37	<=33.01	Pass
			99	22.11	1.00	23.11	<=33.01	Pass
		100	0	21.18	1.00	22.18	<=33.01	Pass
	2610	1	0	22.22	1.00	23.22	<=33.01	Pass
			99	22.12	1.00	23.12	<=33.01	Pass
		100	0	21.08	1.00	22.08	<=33.01	Pass
64QAM	2580	1	0	20.95	1.00	21.95	<=33.01	Pass
			99	20.87	1.00	21.87	<=33.01	Pass
		100	0	20.28	1.00	21.28	<=33.01	Pass
	2595	1	0	20.96	1.00	21.96	<=33.01	Pass
			99	20.69	1.00	21.69	<=33.01	Pass
		100	0	20.25	1.00	21.25	<=33.01	Pass
	2610	1	0	20.83	1.00	21.83	<=33.01	Pass
			99	20.69	1.00	21.69	<=33.01	Pass
		100	0	20.19	1.00	21.19	<=33.01	Pass
256QAM	2580	1	0	18.15	1.00	19.15	<=33.01	Pass
			99	18.13	1.00	19.13	<=33.01	Pass
		100	0	18.29	1.00	19.29	<=33.01	Pass
	2595	1	0	18.21	1.00	19.21	<=33.01	Pass
			99	18.01	1.00	19.01	<=33.01	Pass

		100	0	18.27	1.00	19.27	<=33.01	Pass
	2610	1	0	18.05	1.00	19.05	<=33.01	Pass
			99	18.03	1.00	19.03	<=33.01	Pass
		100	0	18.20	1.00	19.20	<=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	LV	-0.600	-0.0002	-2.5 to 2.5	Pass
					NV	-7.500	-0.0029	-2.5 to 2.5	Pass
					HV	-3.100	-0.0012	-2.5 to 2.5	Pass
				-30	NV	-8.200	-0.0032	-2.5 to 2.5	Pass
				-20	NV	-5.200	-0.0020	-2.5 to 2.5	Pass
				-10	NV	-5.900	-0.0023	-2.5 to 2.5	Pass
				0	NV	-3.400	-0.0013	-2.5 to 2.5	Pass
				10	NV	4.100	0.0016	-2.5 to 2.5	Pass
				30	NV	-3.700	-0.0014	-2.5 to 2.5	Pass
				40	NV	-5.300	-0.0020	-2.5 to 2.5	Pass
				50	NV	-3.800	-0.0015	-2.5 to 2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 Band38_OBW

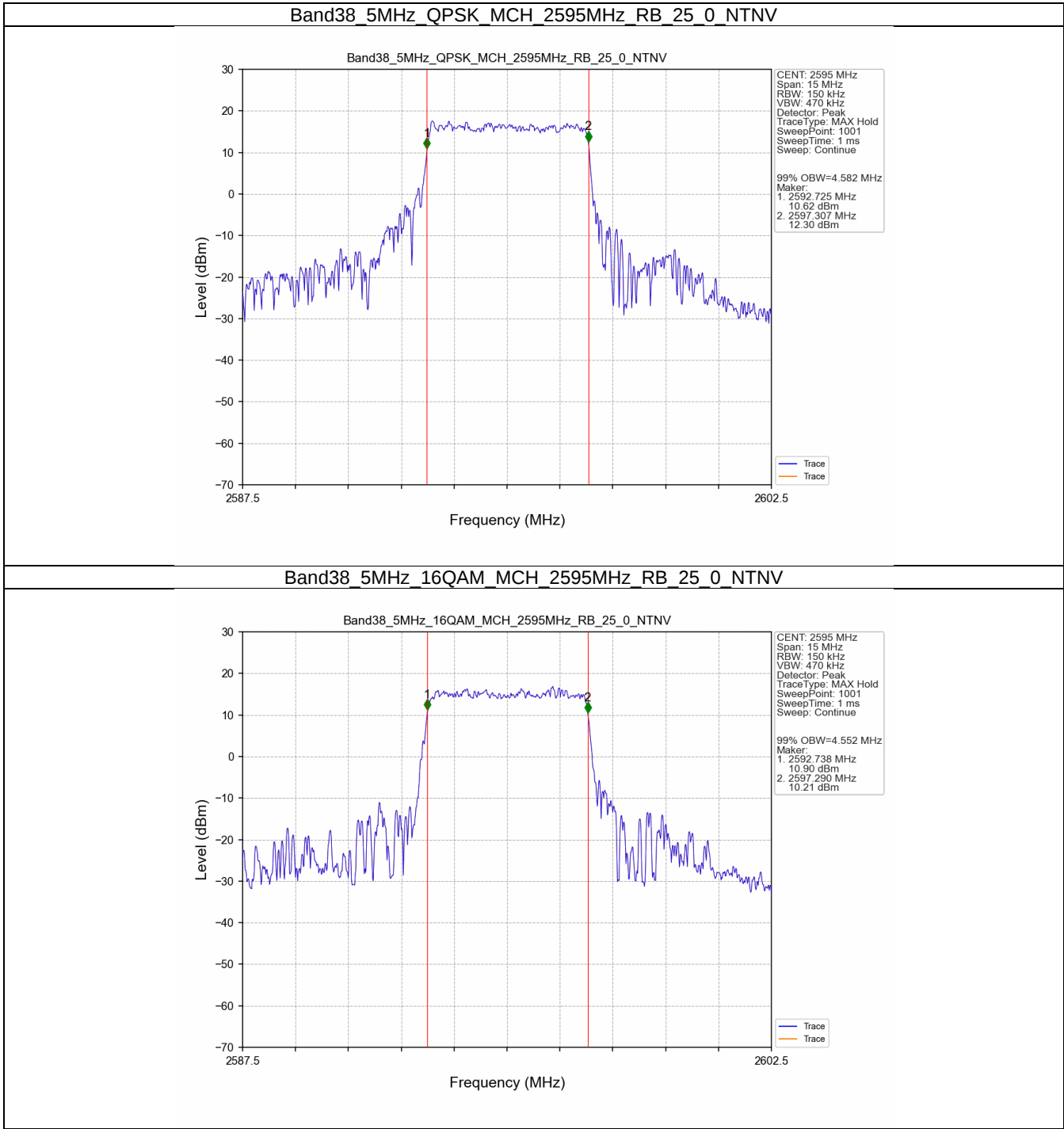
Band: 38 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2595	25	0	4.582	/	Pass
	16QAM	2595	25	0	4.552	/	Pass
10	QPSK	2595	50	0	9.130	/	Pass
	16QAM	2595	50	0	9.313	/	Pass
15	QPSK	2595	75	0	13.761	/	Pass
	16QAM	2595	75	0	14.026	/	Pass
20	QPSK	2595	100	0	18.151	/	Pass
	16QAM	2595	100	0	18.663	/	Pass

3.1.2 Band38_XDB

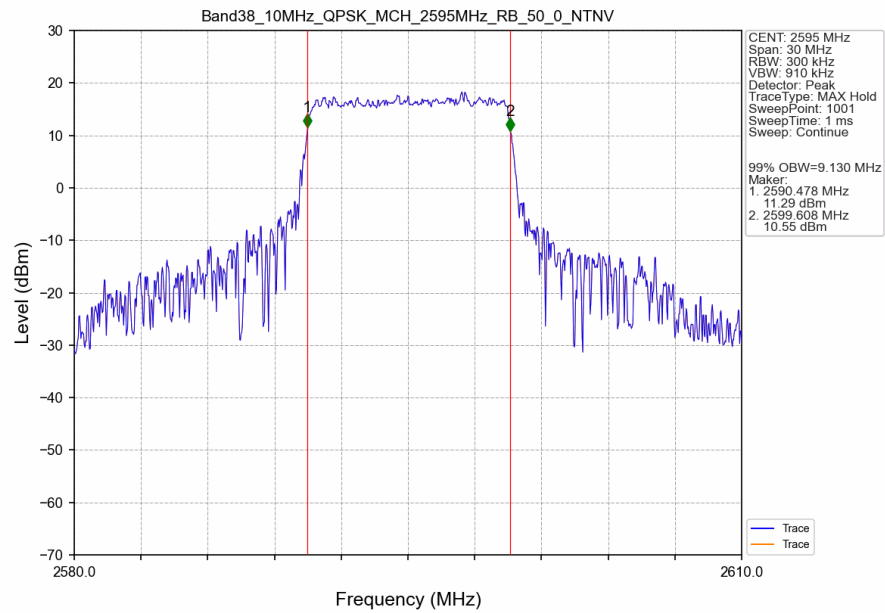
Band: 38 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2595	25	0	6.319	/	Pass
	16QAM	2595	25	0	5.340	/	Pass
10	QPSK	2595	50	0	12.728	/	Pass
	16QAM	2595	50	0	17.558	/	Pass
15	QPSK	2595	75	0	24.981	/	Pass
	16QAM	2595	75	0	28.956	/	Pass
20	QPSK	2595	100	0	22.967	/	Pass
	16QAM	2595	100	0	39.632	/	Pass

3.2 Test Graph

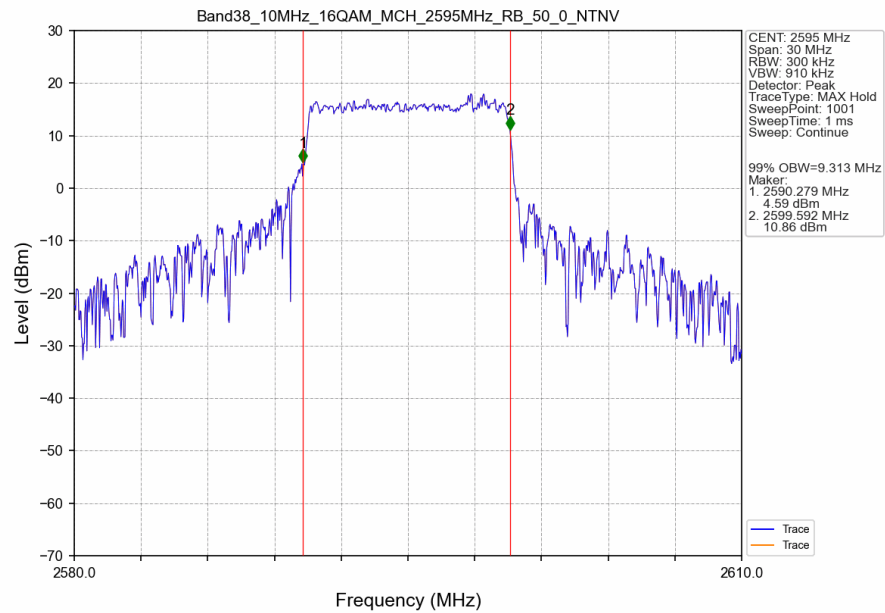
3.2.1 Band38_OBW



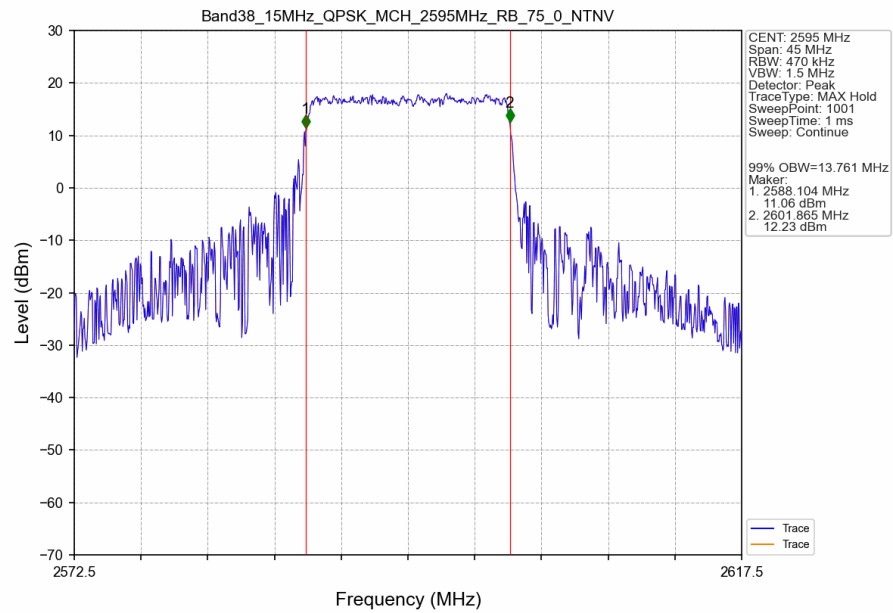
Band38 10MHz QPSK MCH 2595MHz RB 50 0 NTV



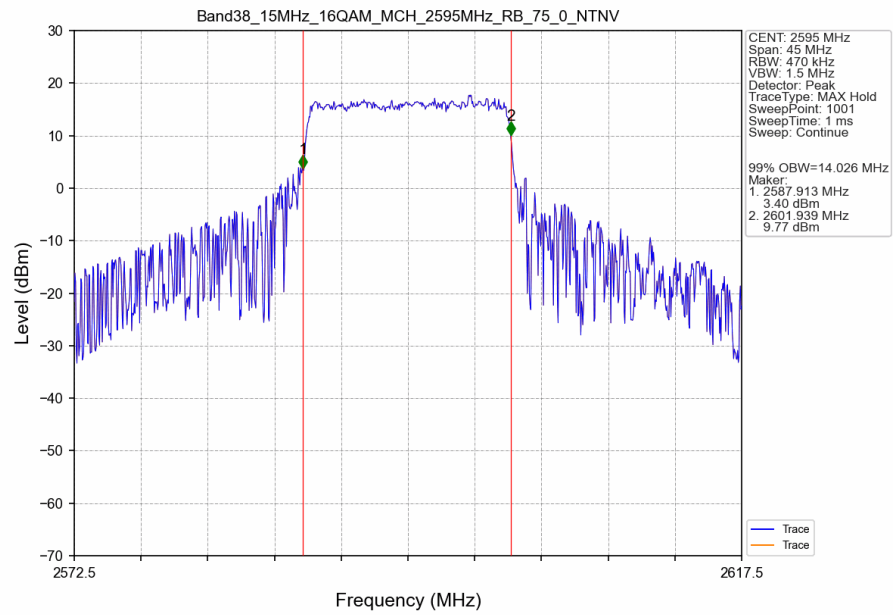
Band38 10MHz 16QAM MCH 2595MHz RB 50 0 NTV



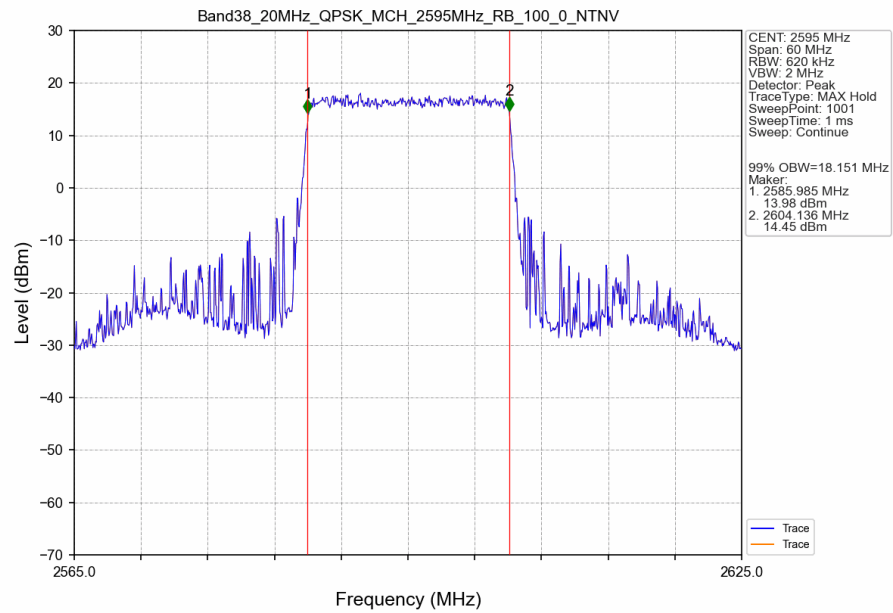
Band38 15MHz QPSK MCH 2595MHz RB 75 0 NTNV



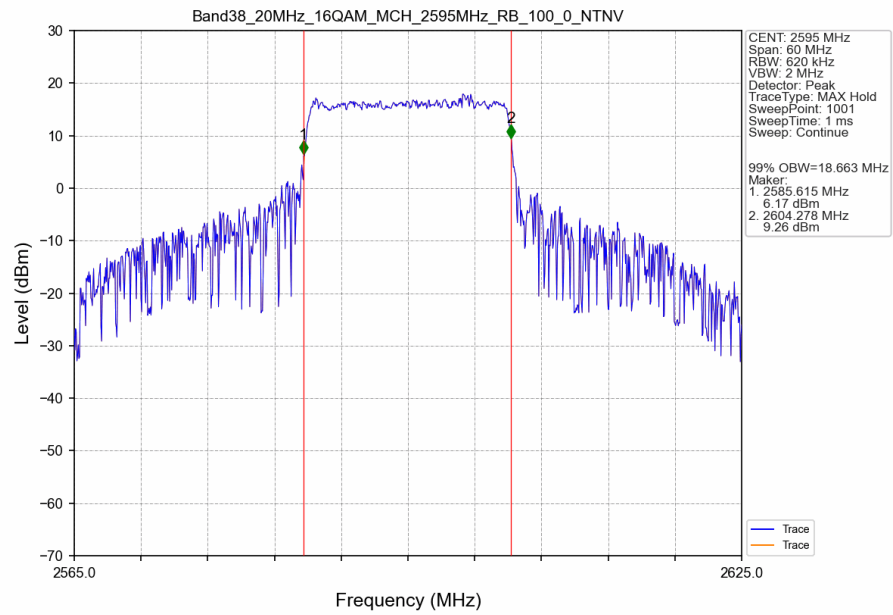
Band38 15MHz 16QAM MCH 2595MHz RB 75 0 NTNV



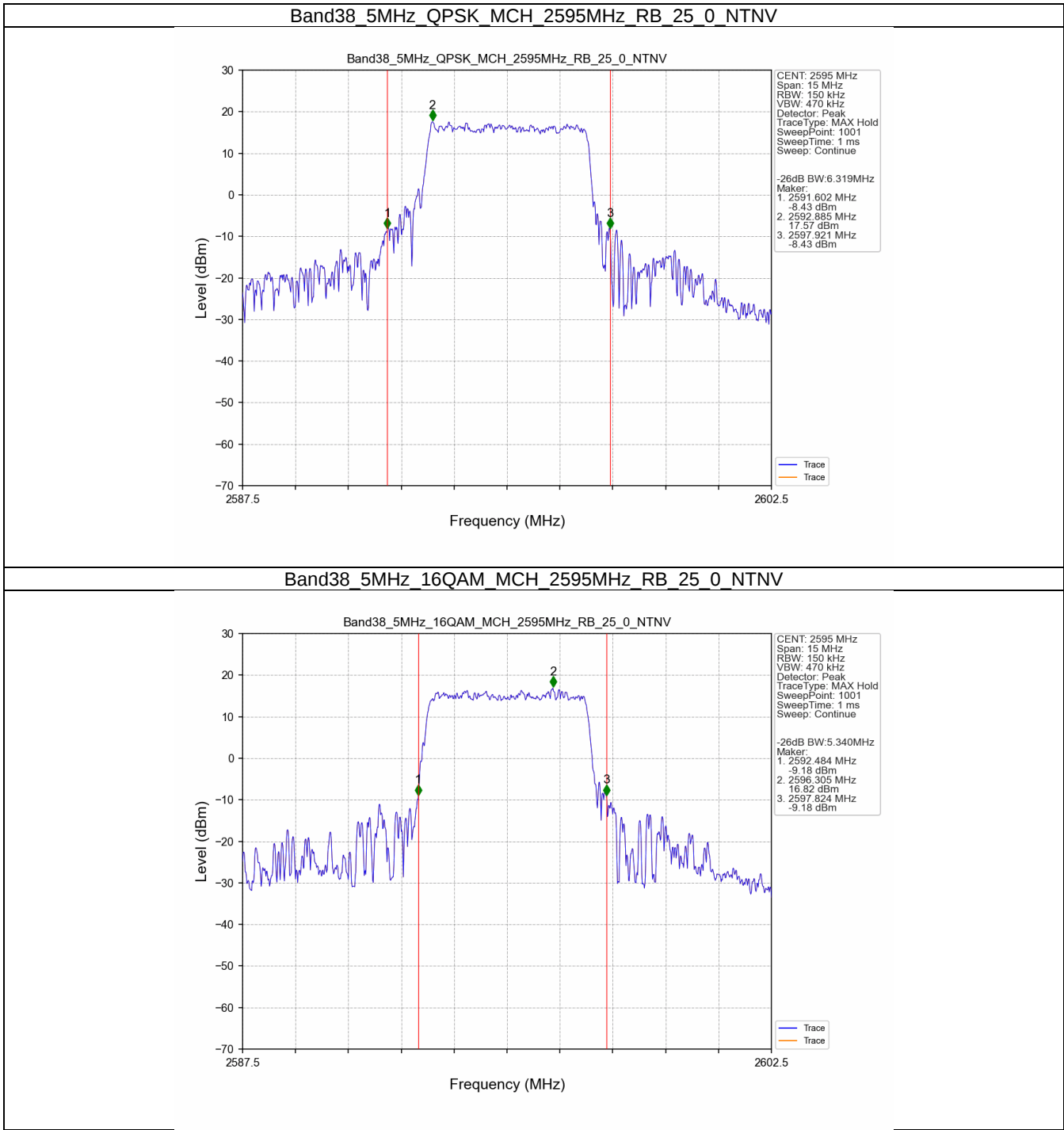
Band38 20MHz QPSK MCH 2595MHz RB 100 0 NTV



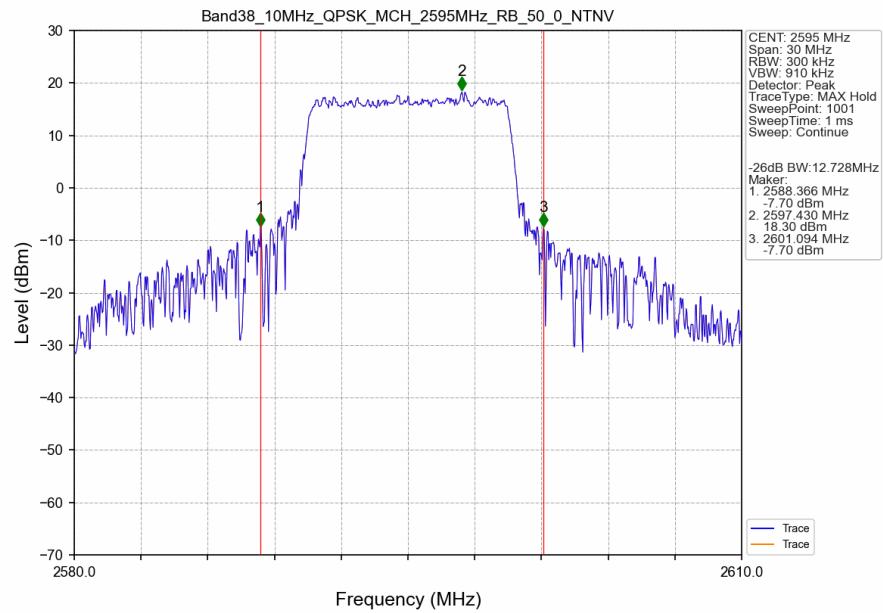
Band38 20MHz 16QAM MCH 2595MHz RB 100 0 NTV



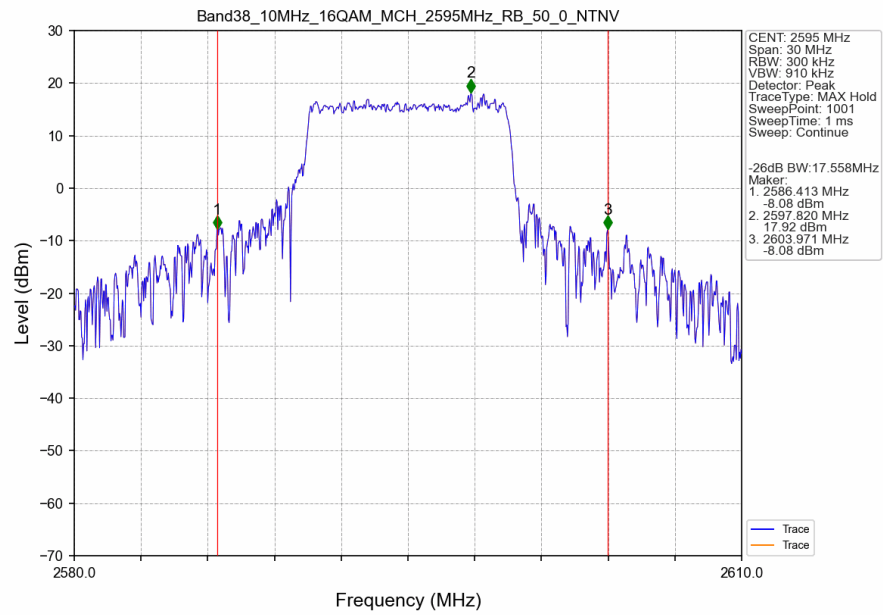
3.2.2 Band38_XDB



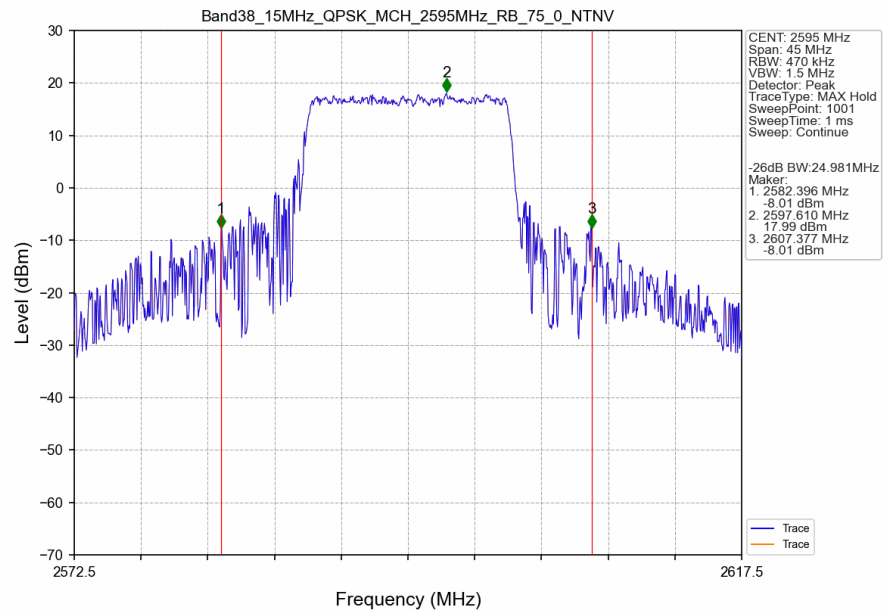
Band38 10MHz QPSK MCH 2595MHz RB 50 0 NTN



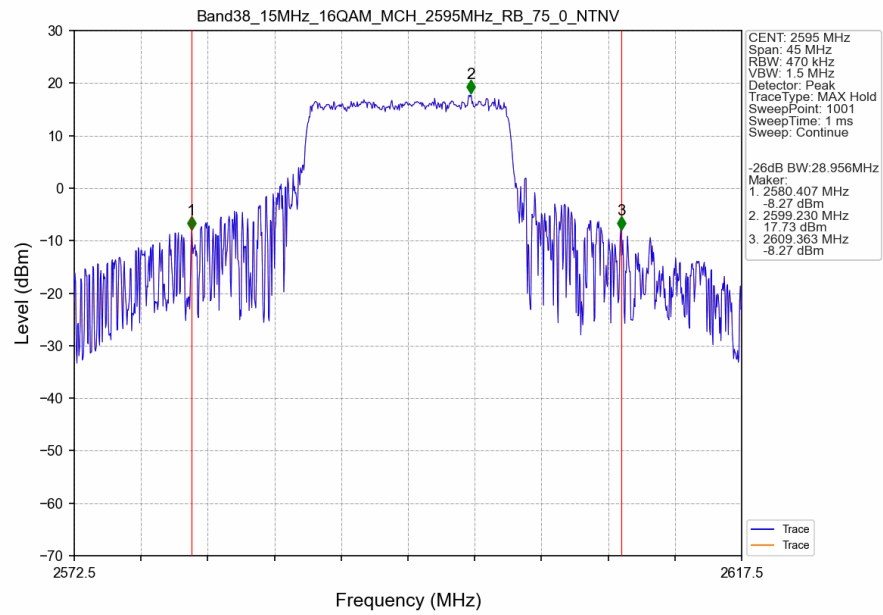
Band38 10MHz 16QAM MCH 2595MHz RB 50 0 NTN



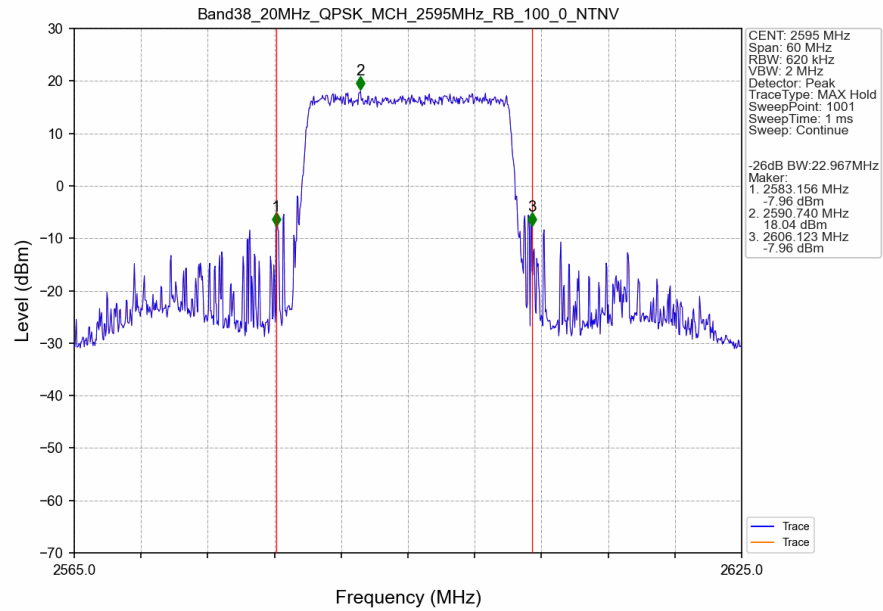
Band38 15MHz QPSK MCH 2595MHz RB 75 0 NTN



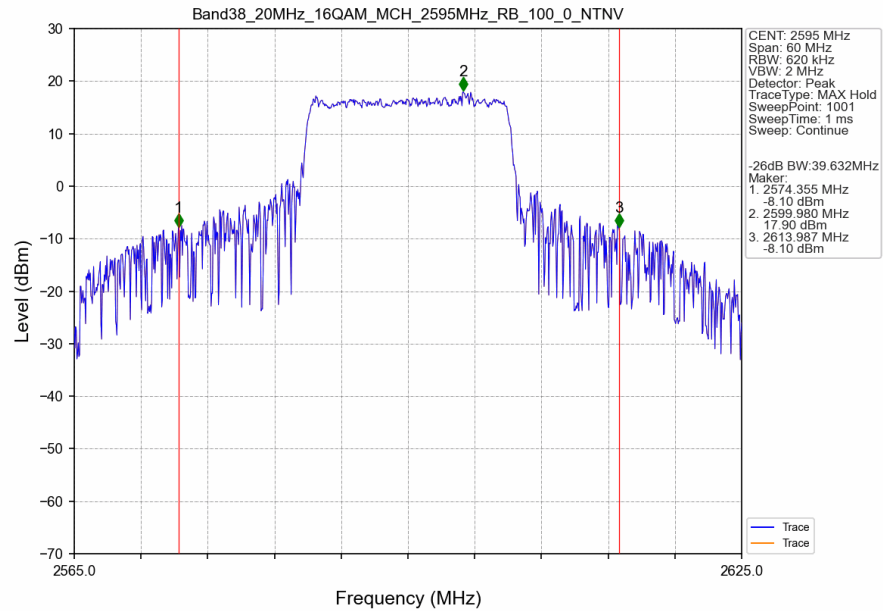
Band38 15MHz 16QAM MCH 2595MHz RB 75 0 NTN



Band38 20MHz QPSK MCH 2595MHz RB 100 0 NTN



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



4. Peak-Average Ratio

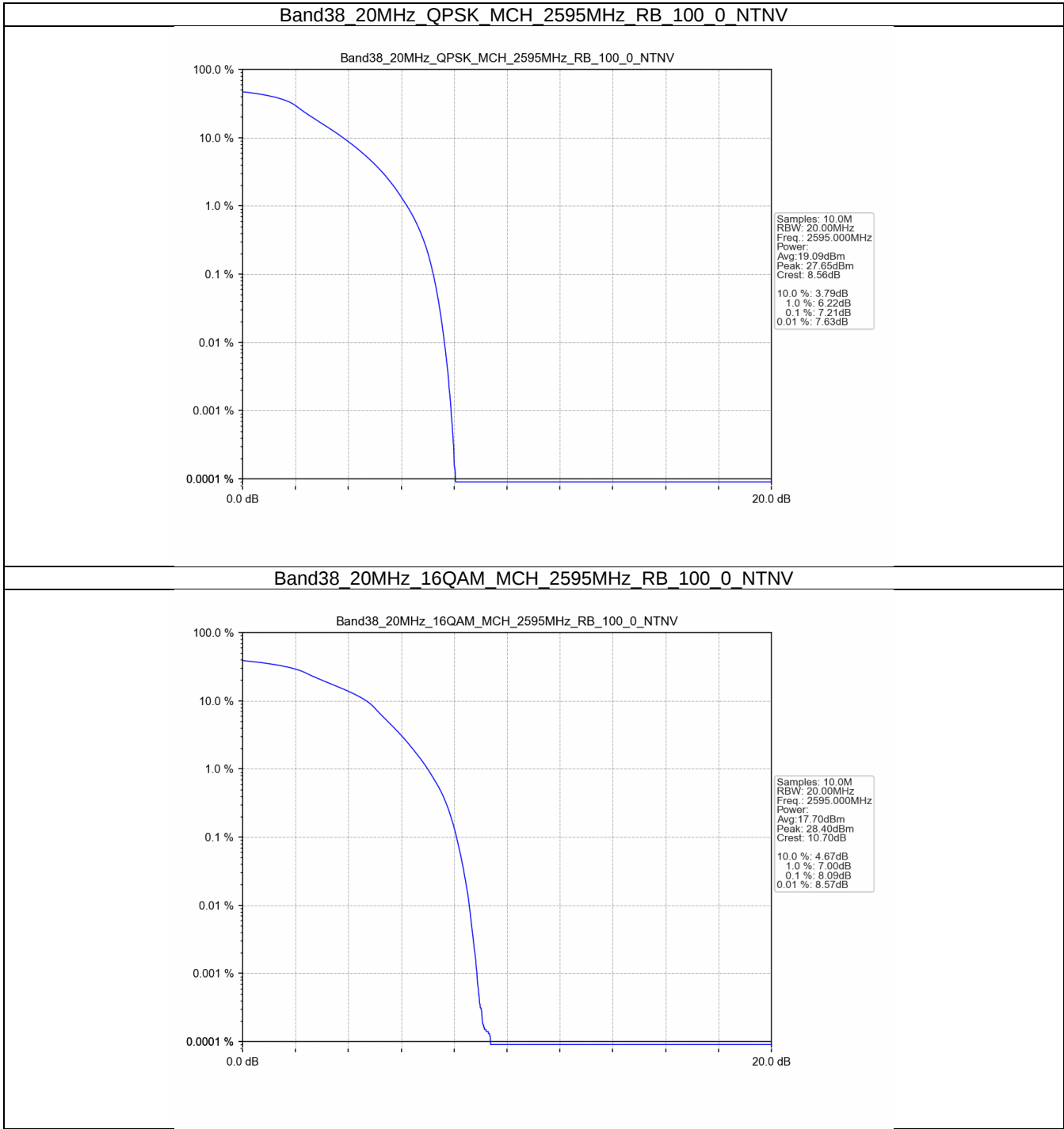
4.1 Test Result

4.1.1 B38_20MHz

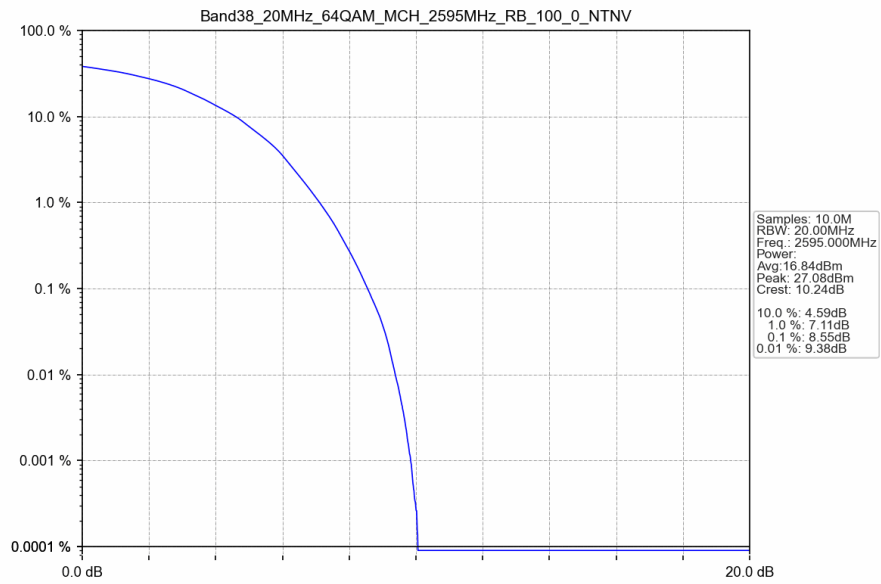
Band: 38 / Bandwidth: 20MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2595	100	0	7.21	<=13	Pass
16QAM	2595	100	0	8.09	<=13	Pass
64QAM	2595	100	0	8.55	<=13	Pass
256QAM	2595	100	0	8.49	<=13	Pass

4.2 Test Graph

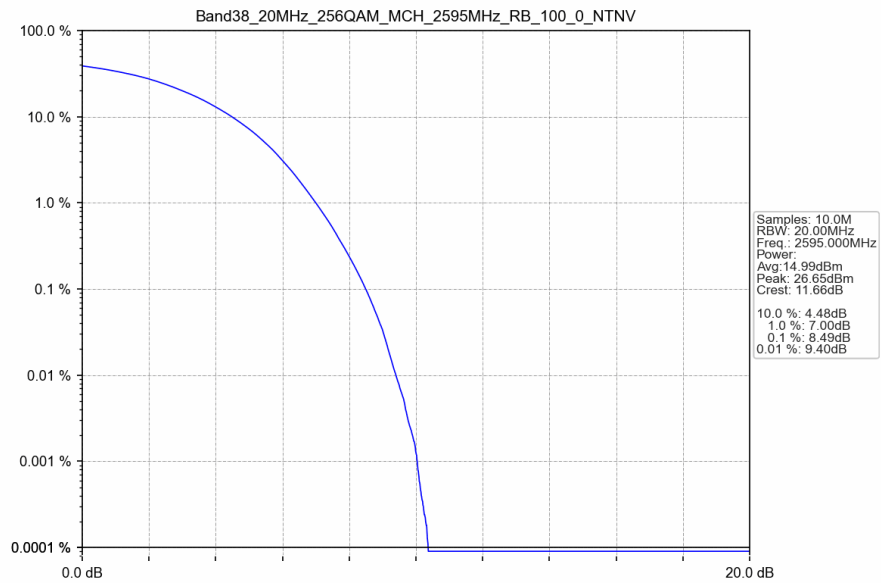
4.2.1 B38_20MHz



Band38 20MHz 64QAM MCH 2595MHz RB 100 0 NTV



Band38 20MHz 256QAM MCH 2595MHz RB 100 0 NTV



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

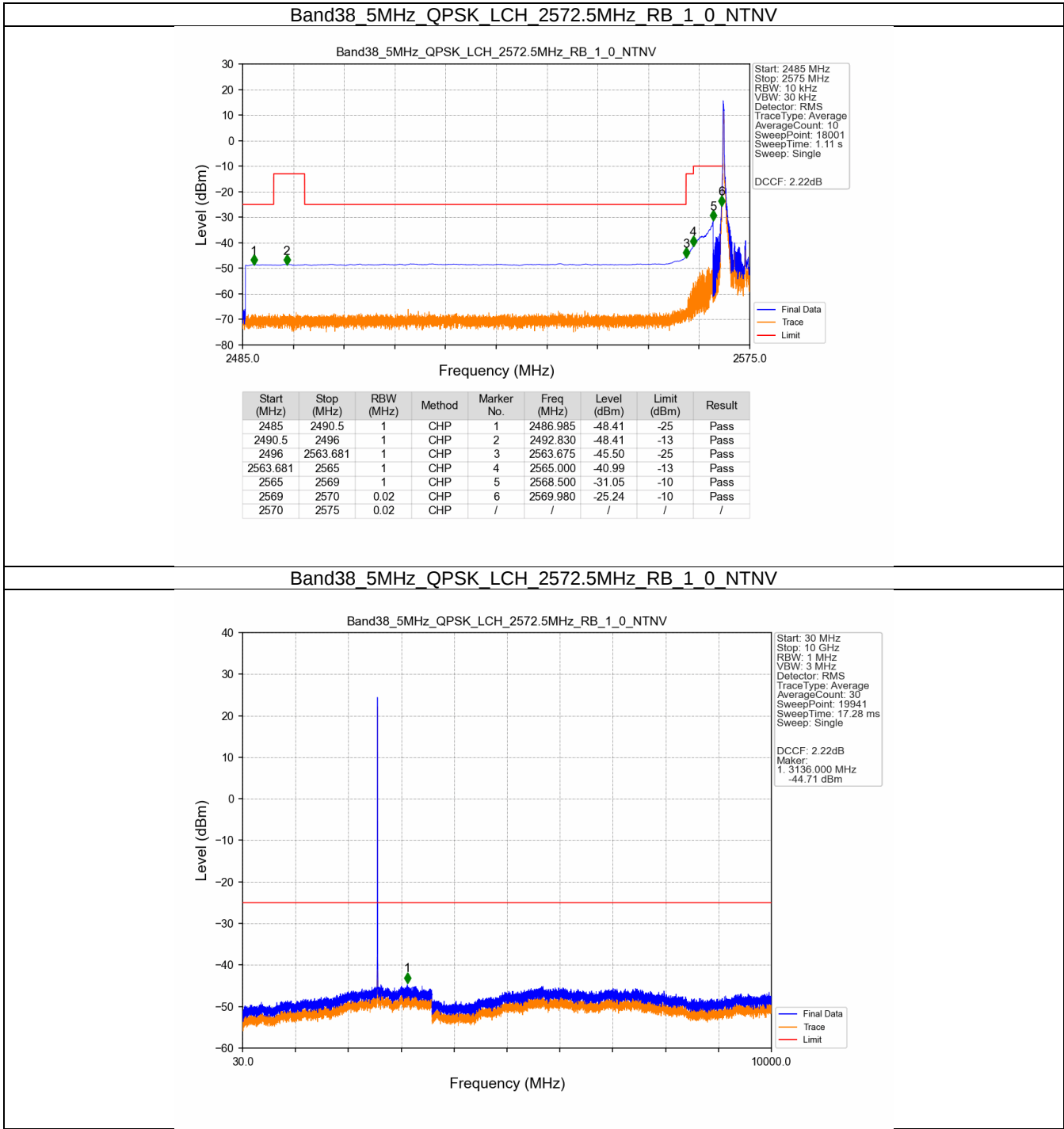
Band: 38 / Bandwidth: 15MHz / NTVN						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	2577.5	1	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	2595	1	0	Refer To Test Graph		Pass
	2612.5	1	0	Refer To Test Graph		Pass
			74	Refer To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

5.1.4 B38_20MHz

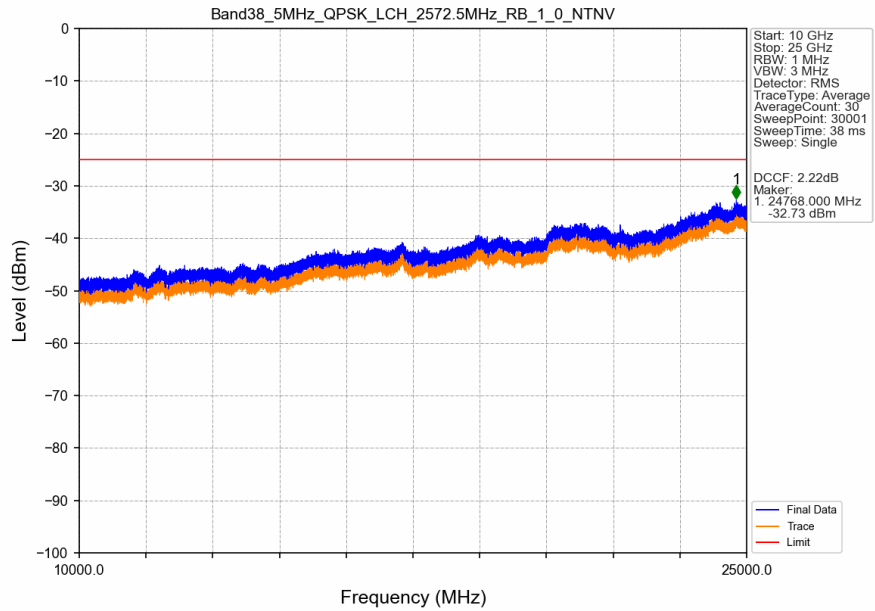
Band: 38 / Bandwidth: 20MHz / NTVN						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	2580	1	0	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	2595	1	0	Refer To Test Graph		Pass
	2610	1	0	Refer To Test Graph		Pass
			99	Refer To Test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

5.2 Test Graph

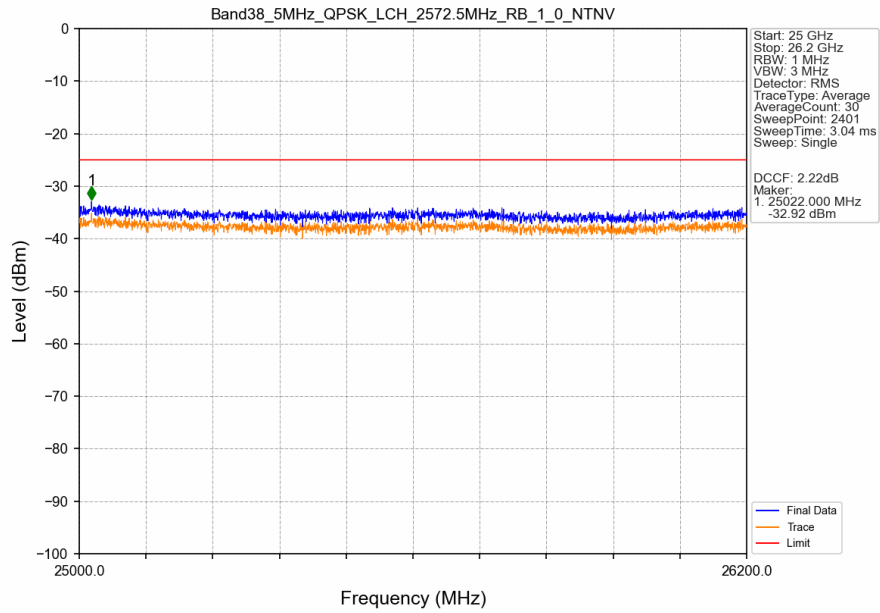
5.2.1 B38_5MHz



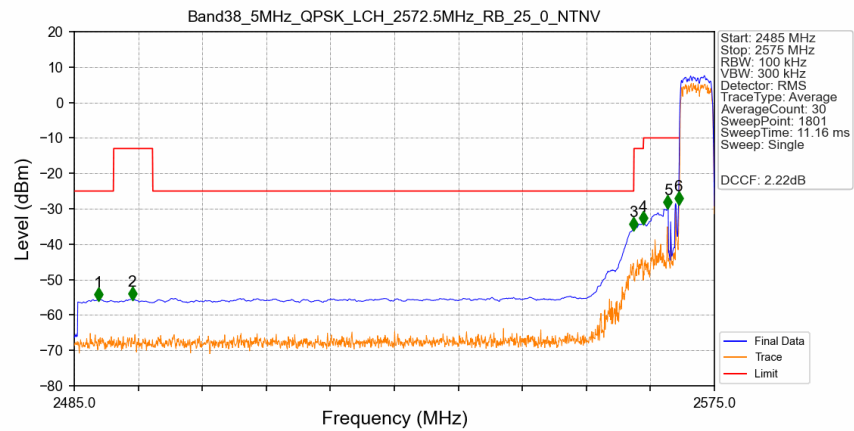
Band38 5MHz QPSK LCH 2572.5MHz RB 1 0 NTNV



Band38 5MHz QPSK LCH 2572.5MHz RB 1 0 NTNV

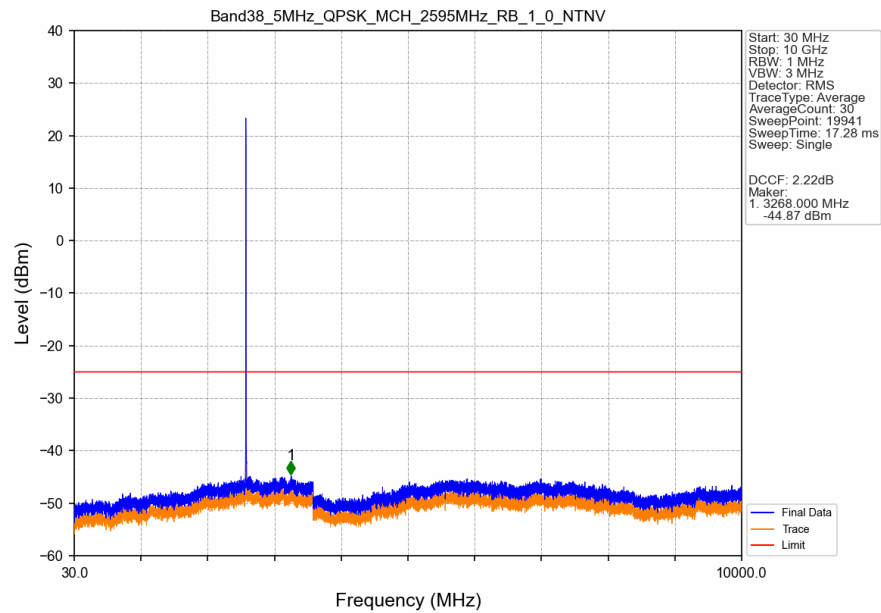


Band38 5MHz QPSK LCH 2572.5MHz RB 25 0 NTNV

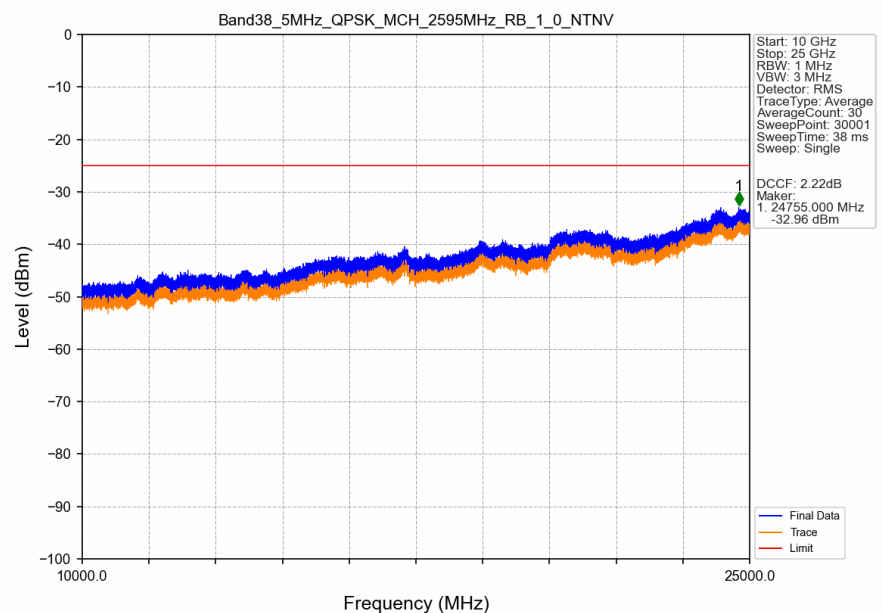


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2488.400	-55.63	-25	Pass
2490.5	2496	1	CHP	2	2493.150	-55.43	-13	Pass
2496	2563.681	1	CHP	3	2563.650	-35.78	-25	Pass
2563.681	2565	1	CHP	4	2565.000	-34.19	-13	Pass
2565	2569	1	CHP	5	2568.450	-29.56	-10	Pass
2569	2570	0.126	CHP	6	2569.950	-28.51	-10	Pass
2570	2575	0.126	CHP	/	/	/	/	/

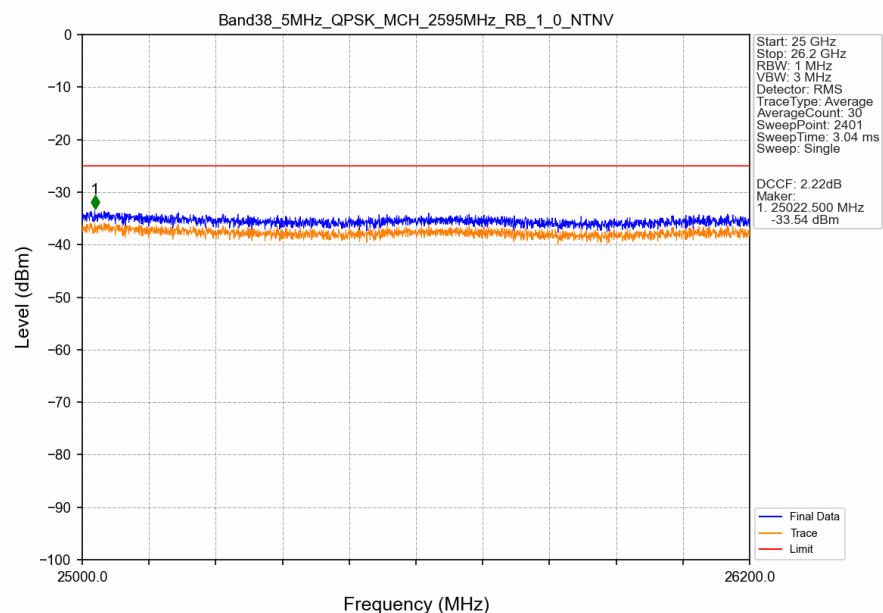
Band38 5MHz QPSK MCH 2595MHz RB 1 0 NTNV



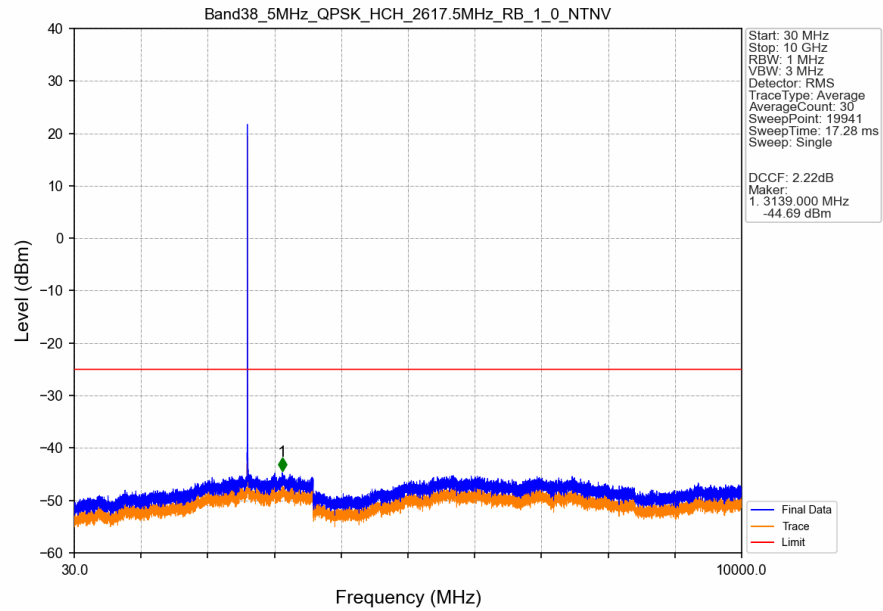
Band38 5MHz QPSK MCH 2595MHz RB 1 0 NTN



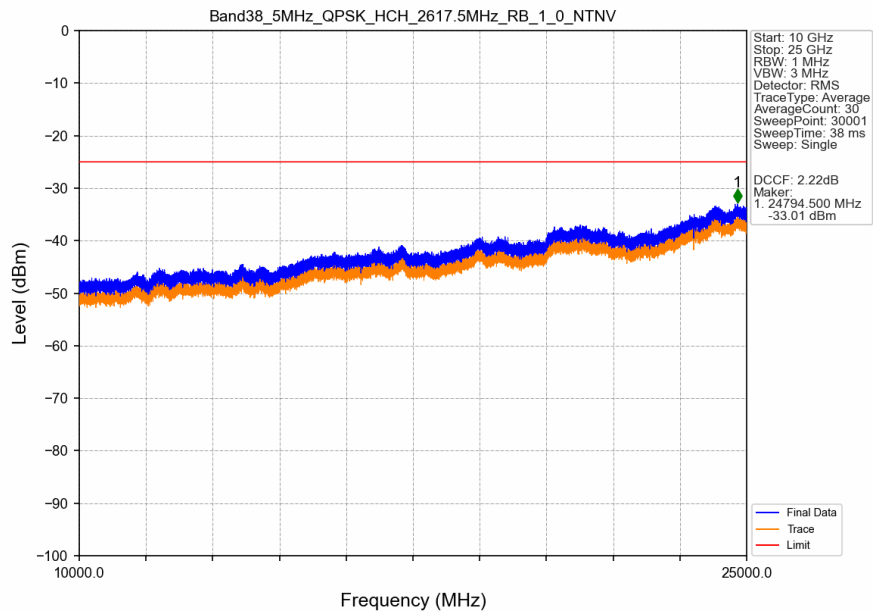
Band38 5MHz QPSK MCH 2595MHz RB 1 0 NTN



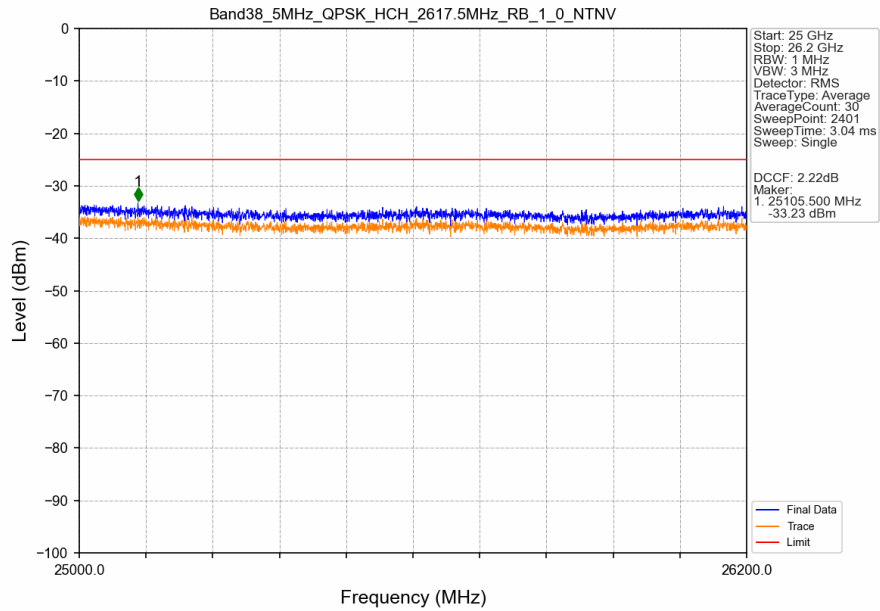
Band38 5MHz QPSK HCH 2617.5MHz RB 1 0 NTV



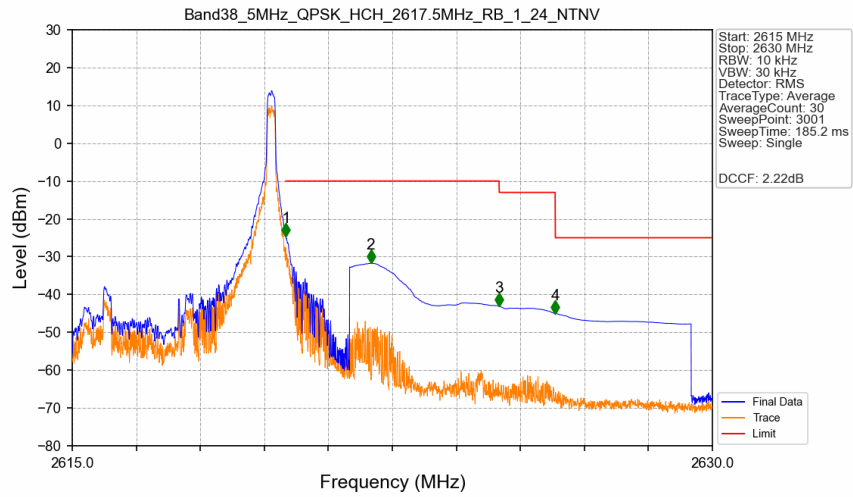
Band38 5MHz QPSK HCH 2617.5MHz RB 1 0 NTV



Band38 5MHz QPSK HCH 2617.5MHz RB 1 0 NTV

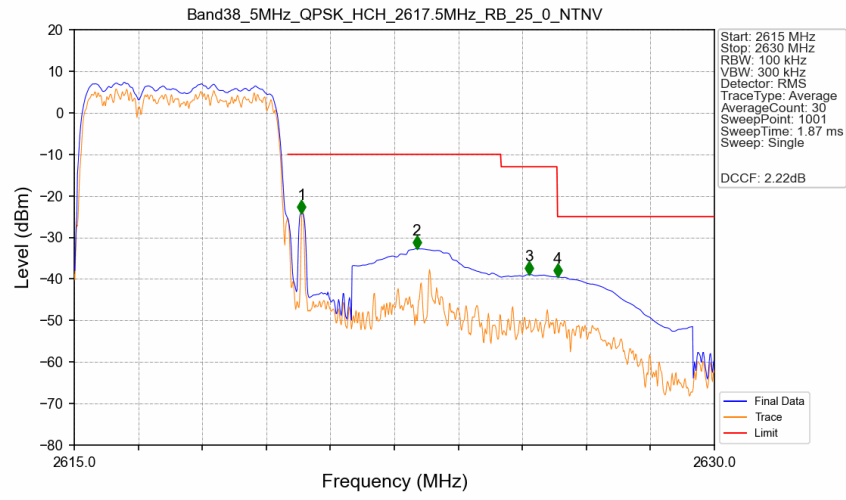


Band38 5MHz QPSK HCH 2617.5MHz RB 1 24 NTV



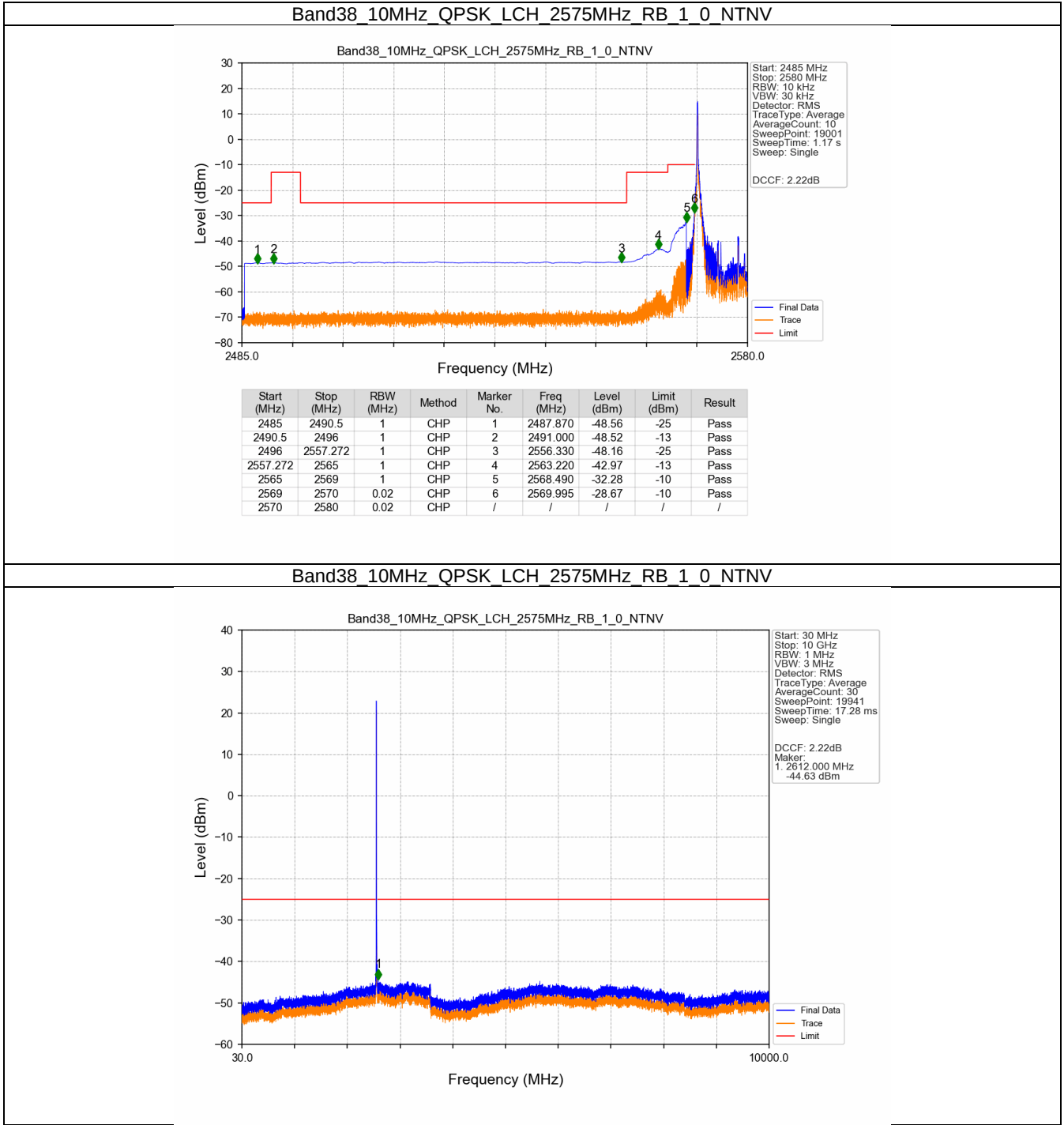
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2615	2620	0.02	CHP	/	/	/	/	/
2620	2621	0.02	CHP	1	2620.005	-24.58	-10	Pass
2621	2625	1	CHP	2	2621.995	-31.72	-10	Pass
2625	2626.319	1	CHP	3	2625.005	-43.09	-13	Pass
2626.319	2630	1	CHP	4	2626.320	-45.04	-25	Pass

Band38 5MHz QPSK HCH 2617.5MHz RB 25 0 NTN

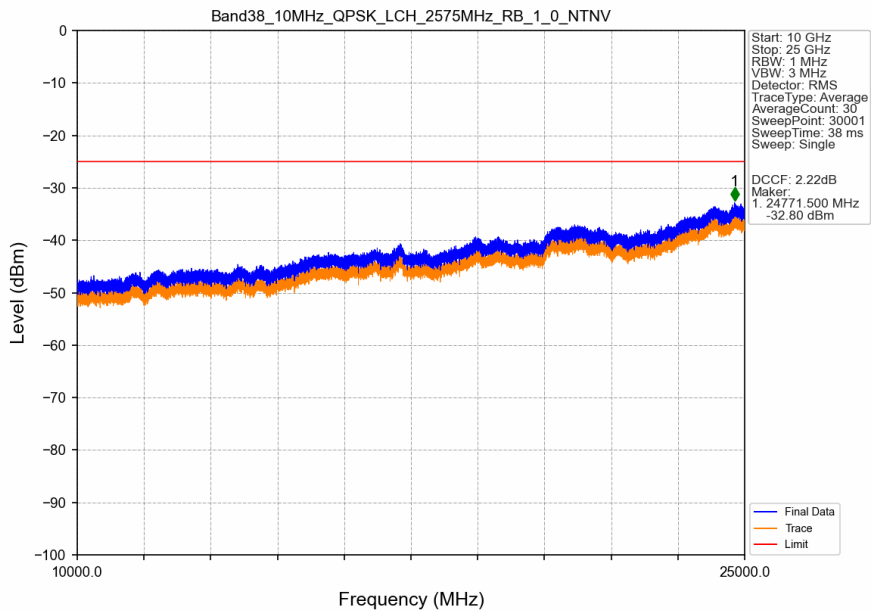


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2615	2620	0.126	CHP	/	/	/	/	/
2620	2621	0.126	CHP	1	2620.325	-24.16	-10	Pass
2621	2625	1	CHP	2	2623.025	-32.70	-13	Pass
2625	2626.319	1	CHP	3	2625.650	-38.98	-25	Pass
2626.319	2630	1	CHP	4	2626.325	-39.55	-25	Pass

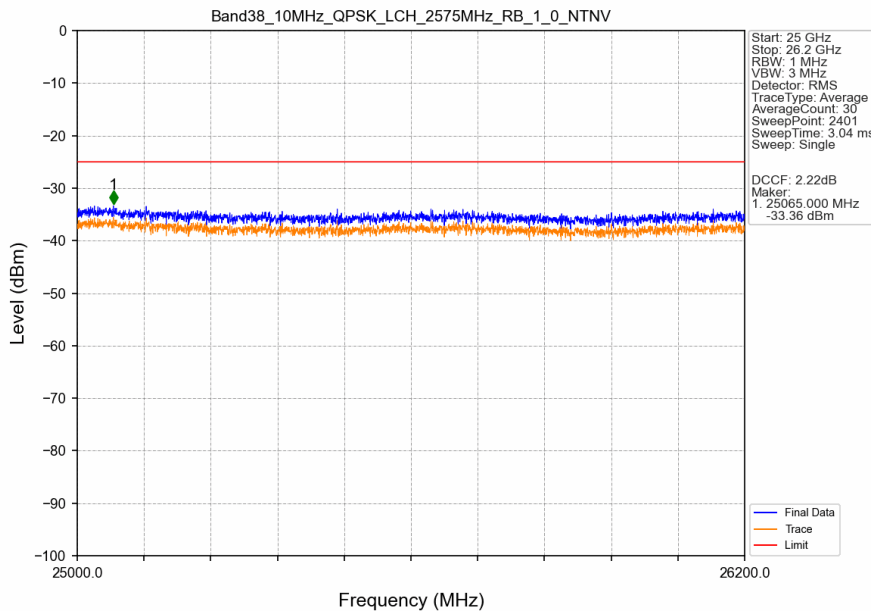
5.2.2 B38_10MHz



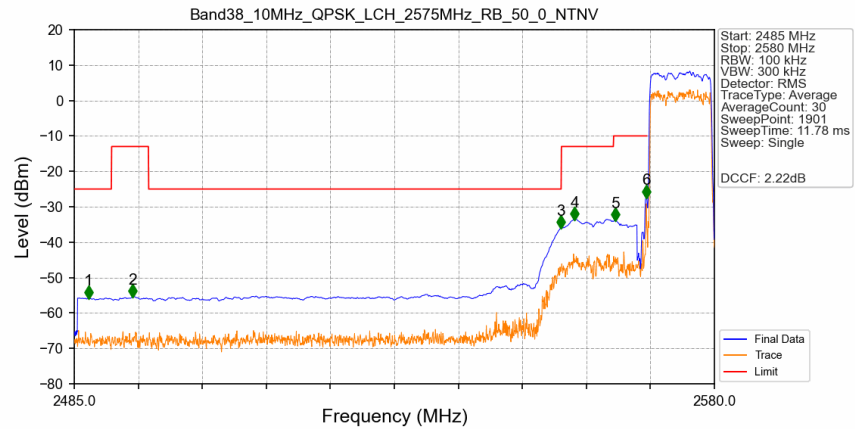
Band38 10MHz QPSK LCH 2575MHz RB 1 0 NTNV



Band38 10MHz QPSK LCH 2575MHz RB 1 0 NTNV

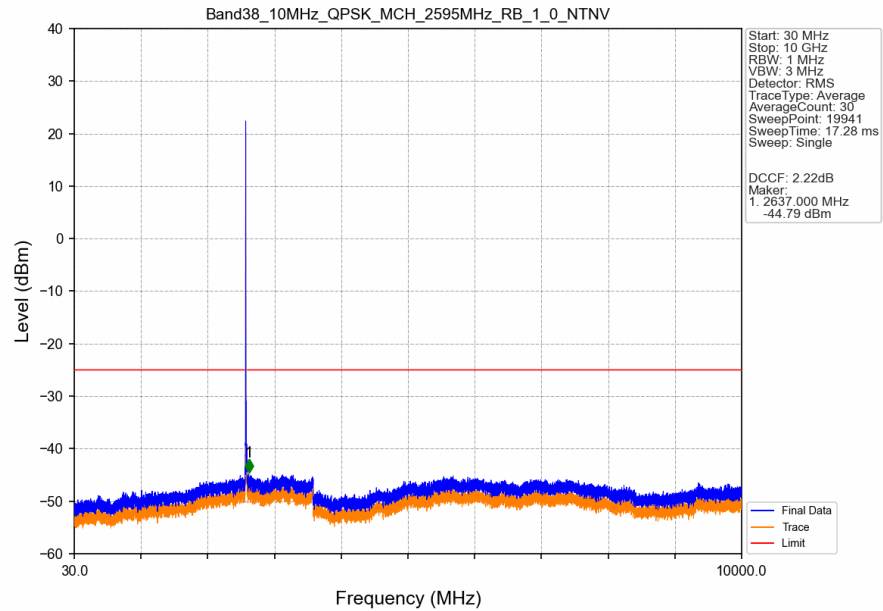


Band38 10MHz QPSK LCH 2575MHz RB 50 0 NTV

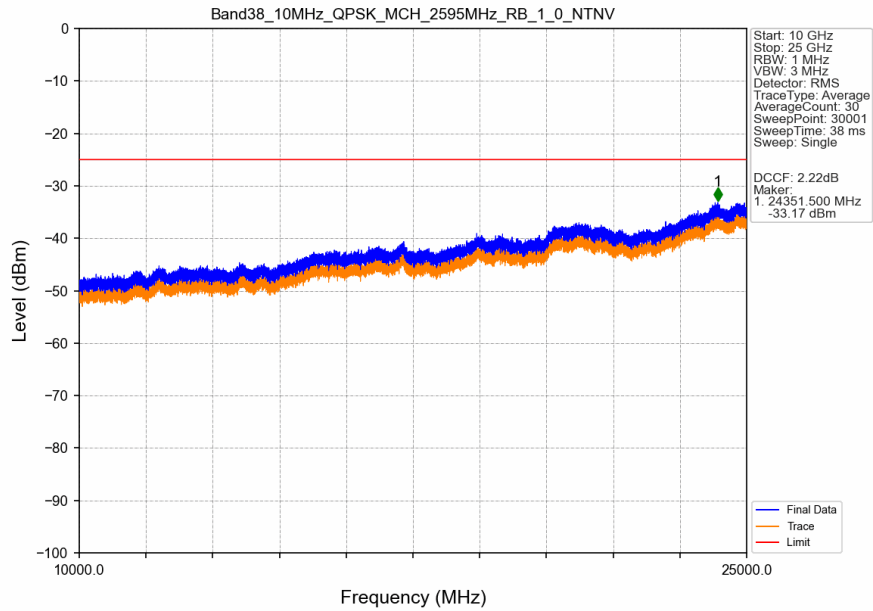


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2487.100	-55.67	-25	Pass
2490.5	2496	1	CHP	2	2493.700	-55.34	-13	Pass
2496	2557.272	1	CHP	3	2557.250	-35.91	-25	Pass
2557.272	2565	1	CHP	4	2559.250	-33.51	-13	Pass
2565	2569	1	CHP	5	2565.250	-33.73	-10	Pass
2569	2570	0.255	CHP	6	2569.900	-27.22	-10	Pass
2570	2580	0.255	CHP	/	/	/	/	/

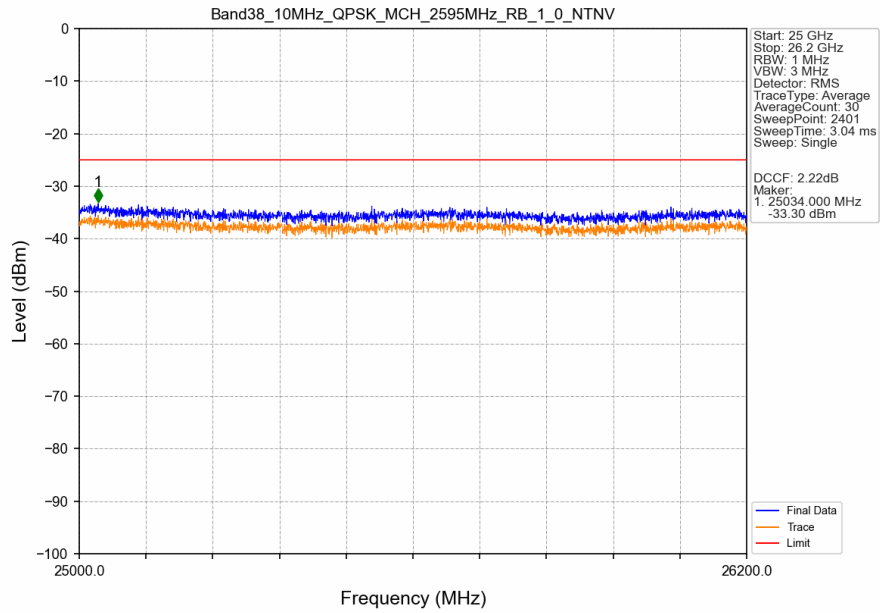
Band38 10MHz QPSK MCH 2595MHz RB 1 0 NTV



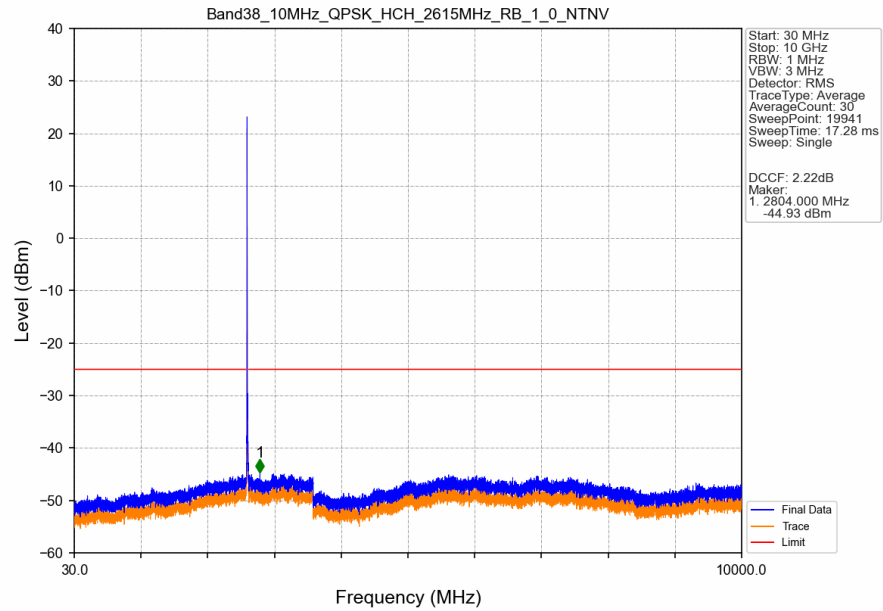
Band38 10MHz QPSK MCH 2595MHz RB 1 0 NTNV



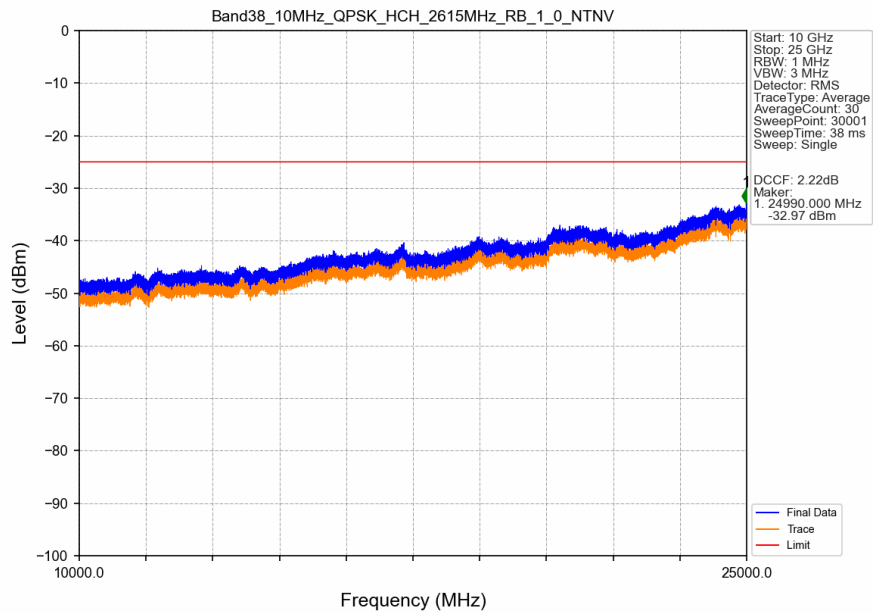
Band38 10MHz QPSK MCH 2595MHz RB 1 0 NTNV



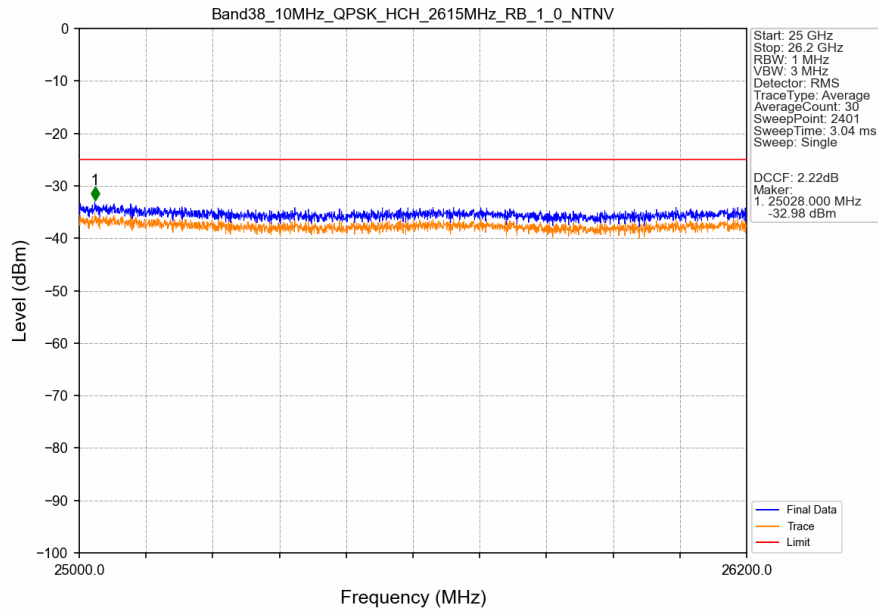
Band38 10MHz QPSK HCH 2615MHz RB 1 0 NTNV



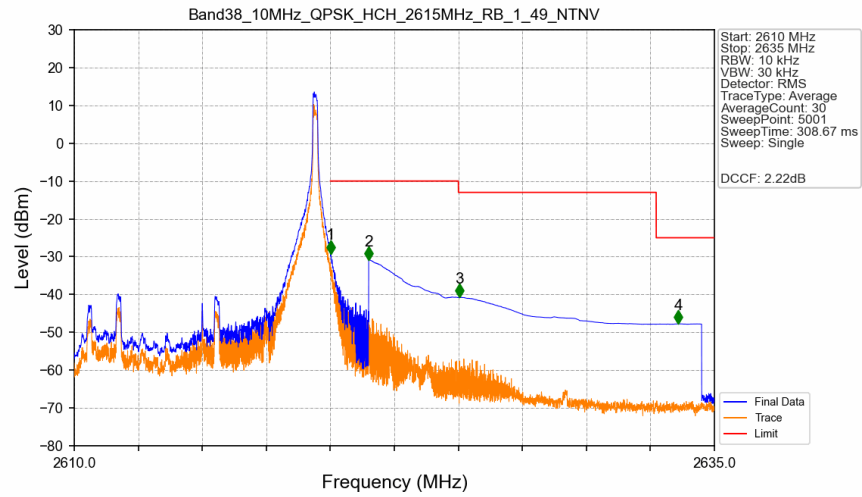
Band38 10MHz QPSK HCH 2615MHz RB 1 0 NTNV



Band38 10MHz QPSK HCH 2615MHz RB 1 0 NTN

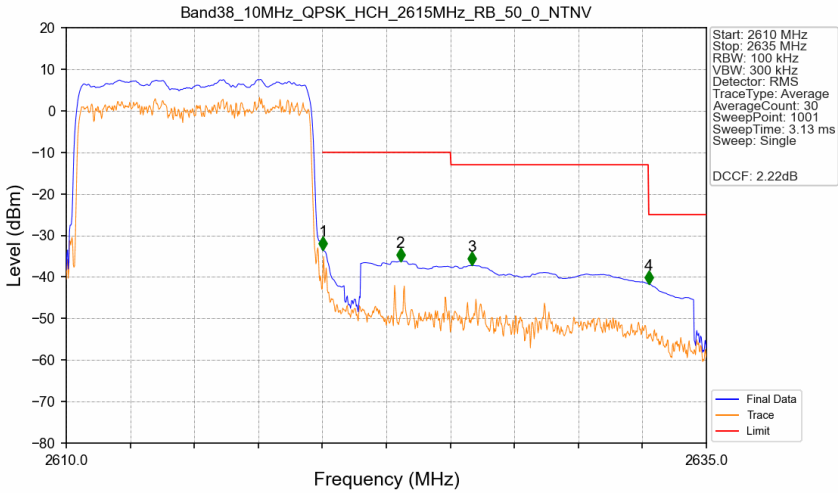


Band38 10MHz QPSK HCH 2615MHz RB 1 49 NTN



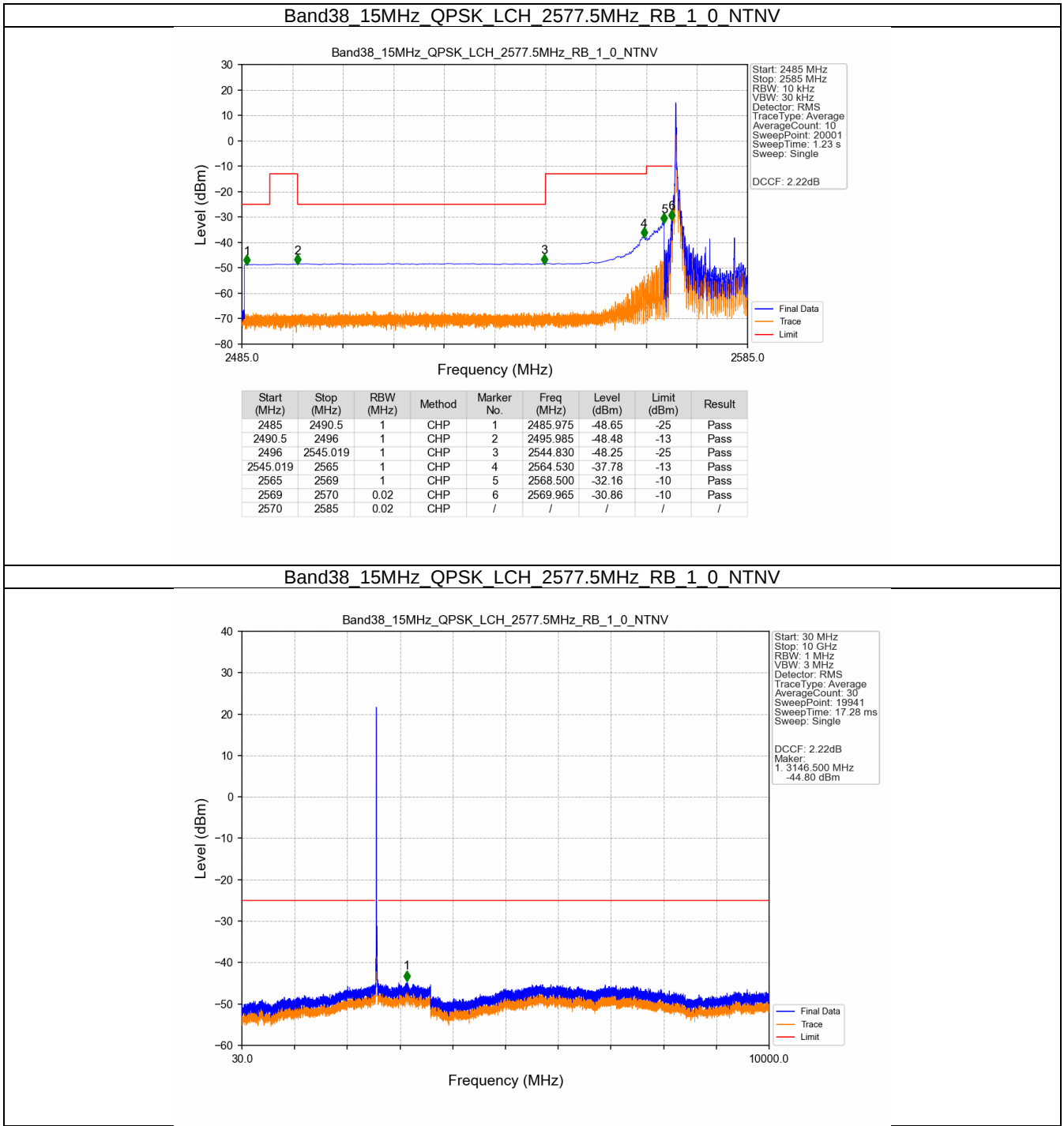
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2610	2620	0.02	CHP	/	/	/	/	/
2620	2621	0.02	CHP	1	2620.005	-29.15	-10	Pass
2621	2625	1	CHP	2	2621.500	-30.76	-10	Pass
2625	2632.728	1	CHP	3	2625.050	-40.74	-13	Pass
2632.728	2635	1	CHP	4	2633.595	-47.76	-25	Pass

Band38_10MHz_QPSK_HCH_2615MHz_RB_50_0_NTNV

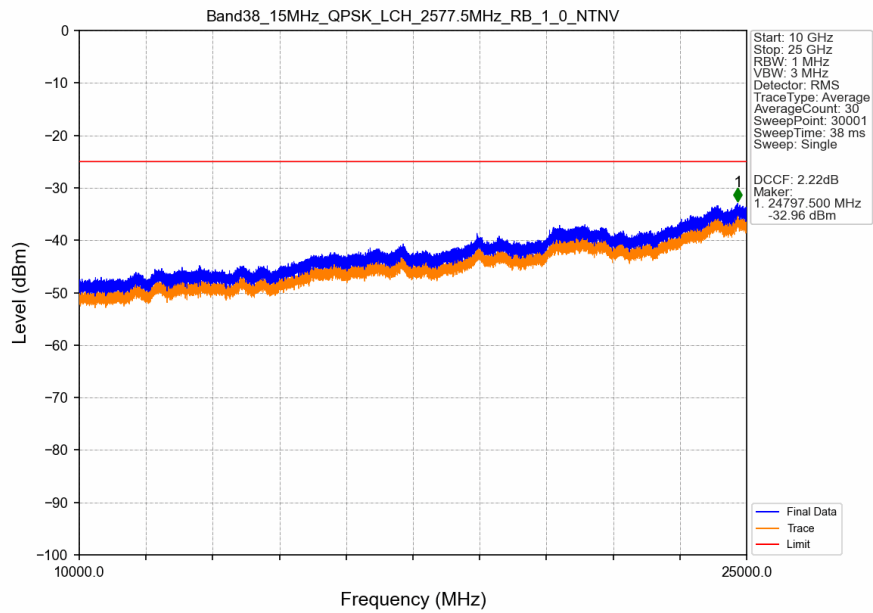


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2610	2620	0.255	CHP	/	/	/	/	/
2620	2621	0.255	CHP	1	2620.025	-33.51	-10	Pass
2621	2625	1	CHP	2	2623.050	-36.18	-10	Pass
2625	2632.728	1	CHP	3	2625.850	-37.22	-13	Pass
2632.728	2635	1	CHP	4	2632.750	-41.66	-25	Pass

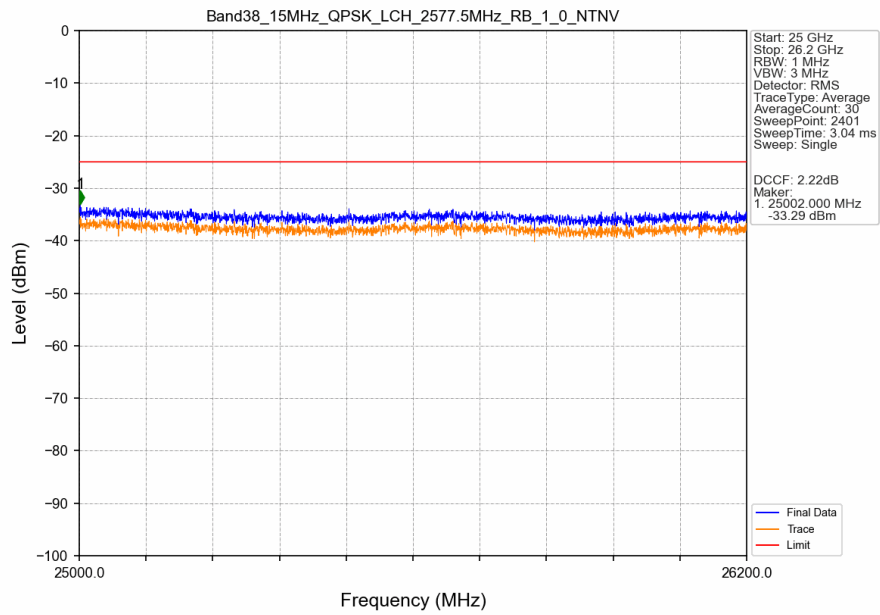
5.2.3 B38_15MHz



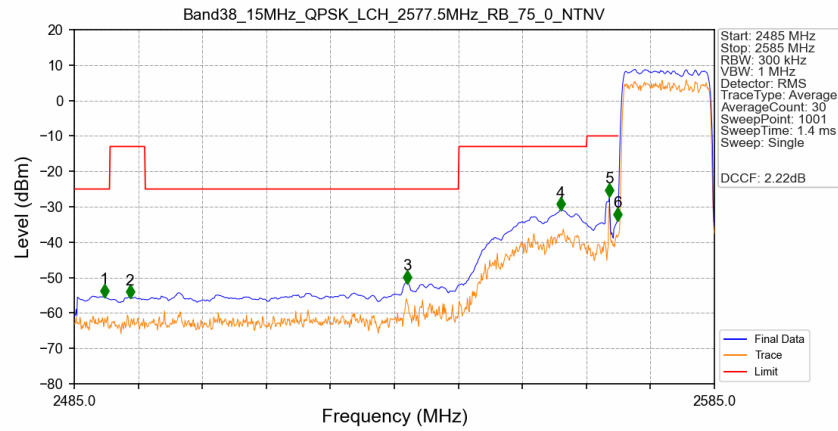
Band38_15MHz_QPSK_LCH_2577.5MHz_RB_1_0_NTNV



Band38_15MHz_QPSK_LCH_2577.5MHz_RB_1_0_NTNV

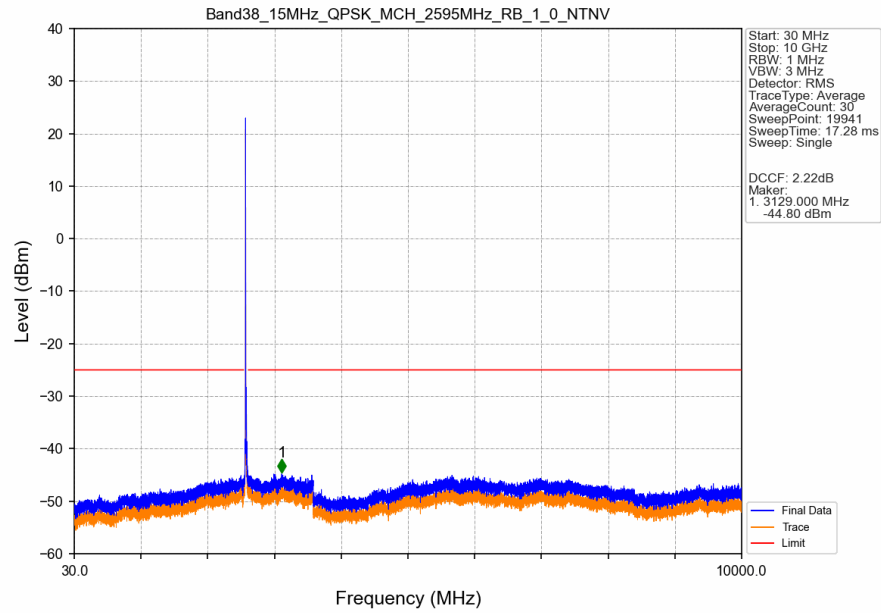


Band38 15MHz QPSK LCH 2577.5MHz RB 75 0 NTNV

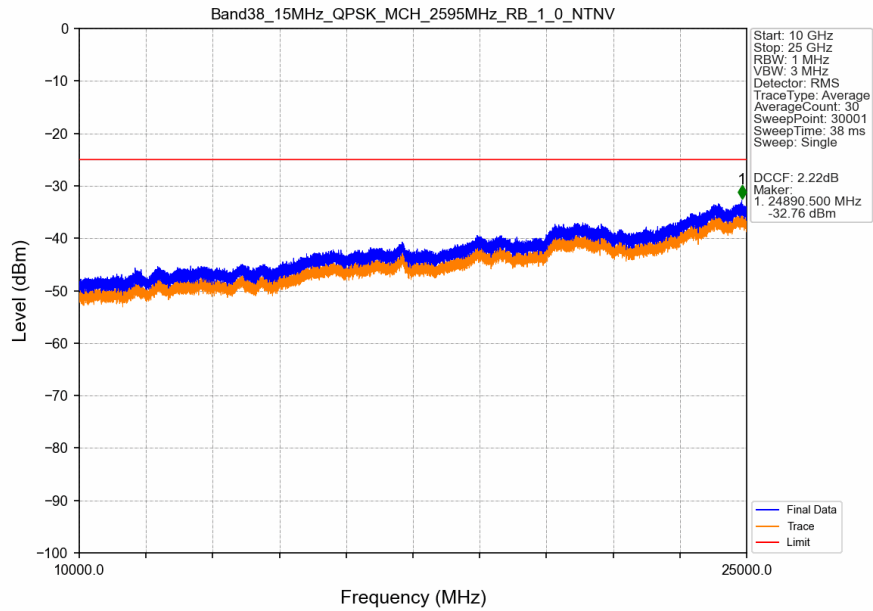


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2489.700	-55.22	-25	Pass
2490.5	2496	1	CHP	2	2493.700	-55.49	-13	Pass
2496	2545.019	1	CHP	3	2537.000	-51.36	-25	Pass
2545.019	2565	1	CHP	4	2561.000	-30.77	-13	Pass
2565	2569	1	CHP	5	2568.600	-26.83	-10	Pass
2569	2570	0.5	CHP	6	2569.900	-33.67	-10	Pass
2570	2585	0.5	CHP	/	/	/	/	/

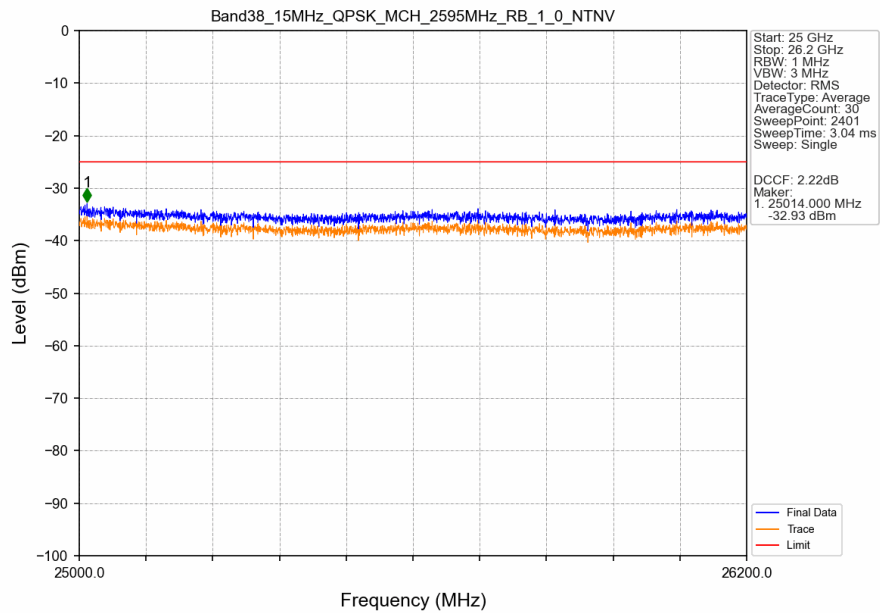
Band38 15MHz QPSK MCH 2595MHz RB 1 0 NTNV



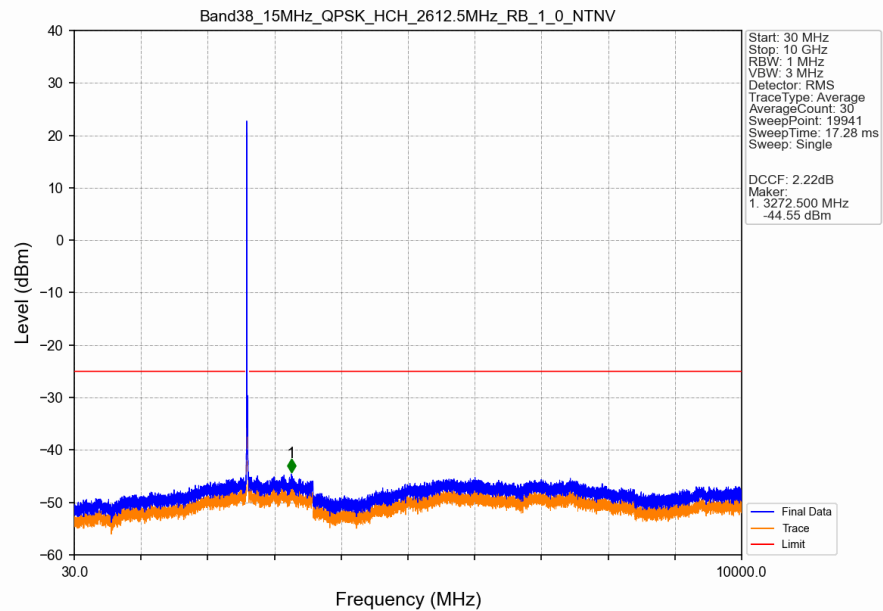
Band38_15MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



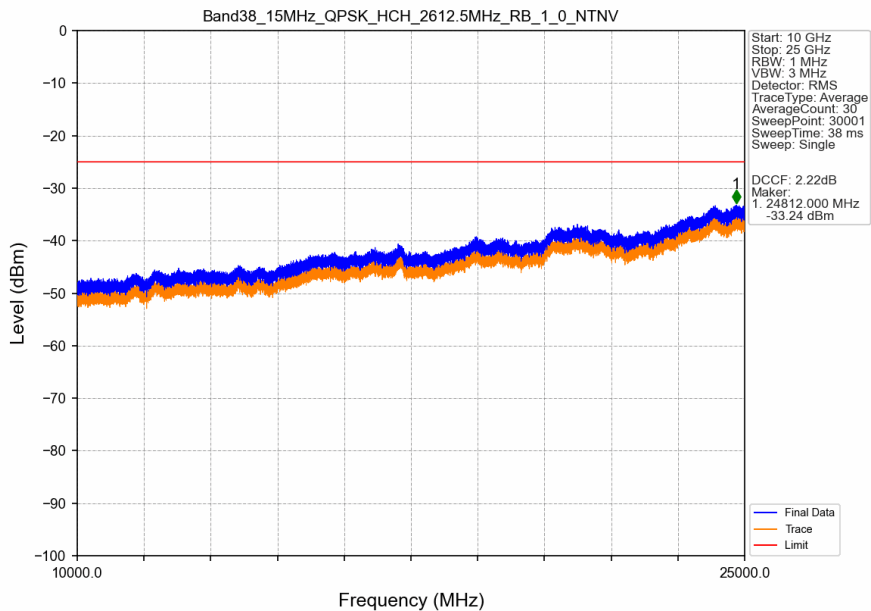
Band38_15MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



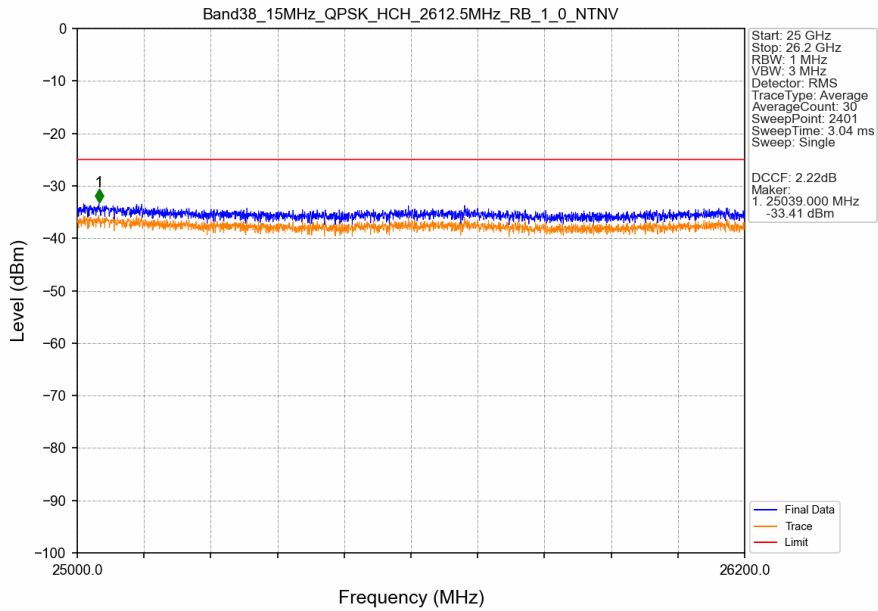
Band38_15MHz_QPSK_HCH_2612.5MHz_RB_1_0_NTNV



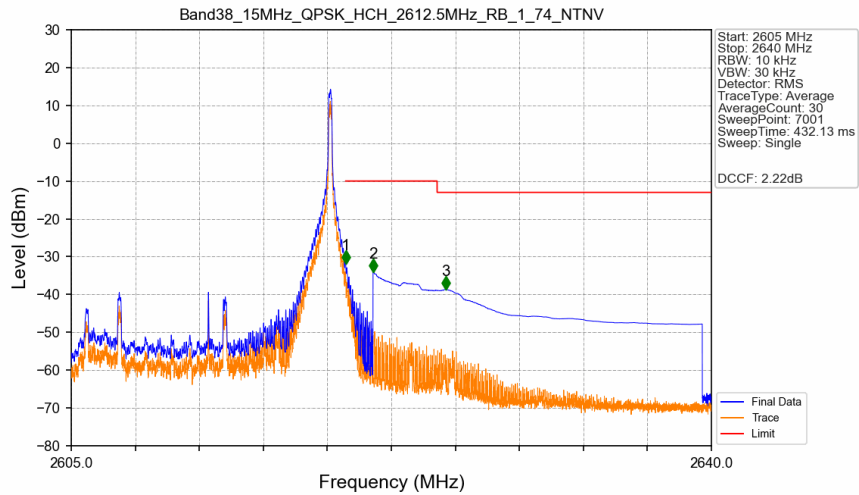
Band38_15MHz_QPSK_HCH_2612.5MHz_RB_1_0_NTNV



Band38 15MHz QPSK HCH 2612.5MHz RB 1 0 NTNV

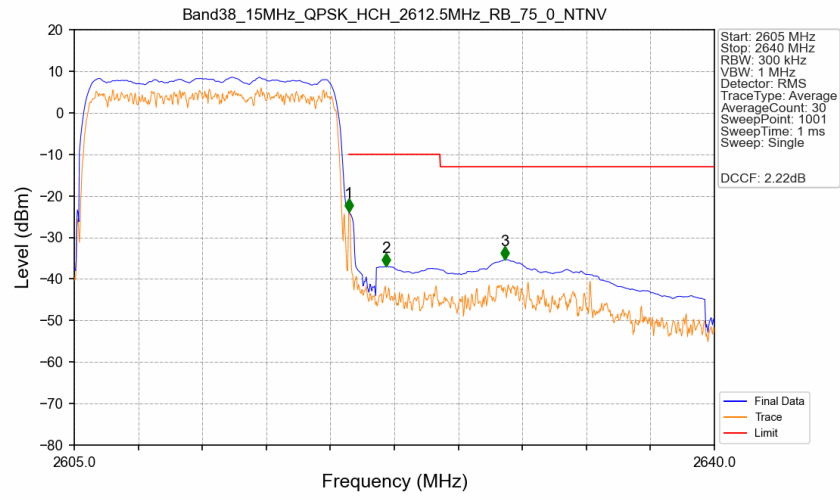


Band38 15MHz QPSK HCH 2612.5MHz RB 1 74 NTNV



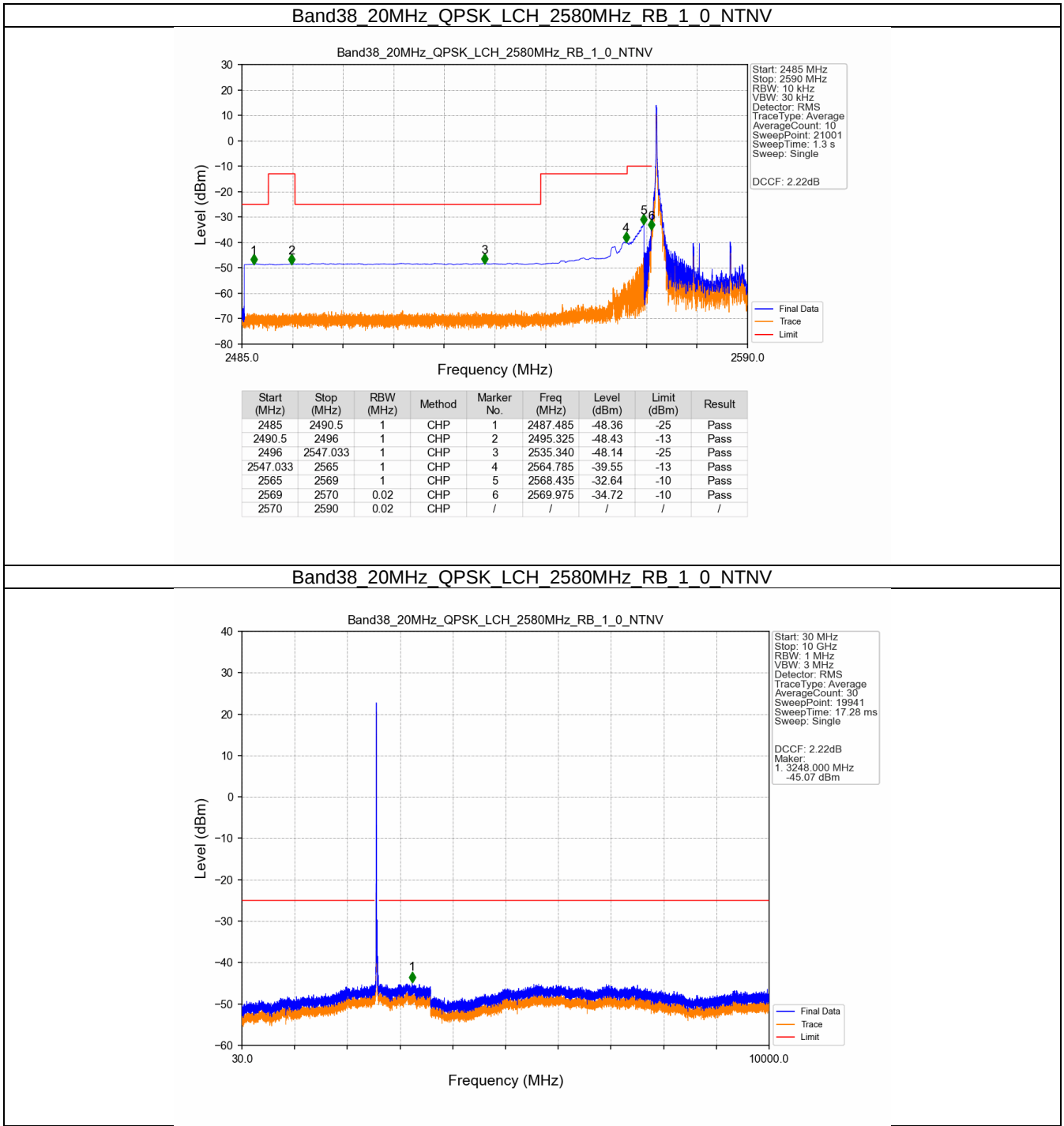
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2605	2620	0.02	CHP	/	/	/	/	/
2620	2621	0.02	CHP	1	2620.005	-31.81	-10	Pass
2621	2625	1	CHP	2	2621.500	-34.06	-10	Pass
2625	2640	1	CHP	3	2625.470	-38.65	-13	Pass

Band38 15MHz QPSK HCH 2612.5MHz RB 75 0 NTN

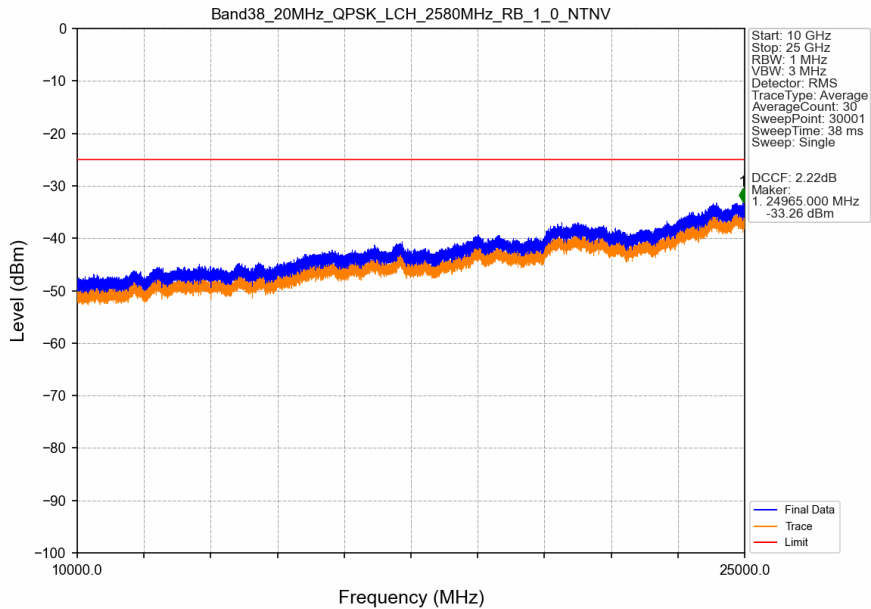


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2605	2620	0.5	CHP	/	/	/	/	/
2620	2621	0.5	CHP	1	2620.015	-23.86	-10	Pass
2621	2625	1	CHP	2	2622.045	-36.98	-10	Pass
2625	2640	1	CHP	3	2628.555	-35.29	-13	Pass

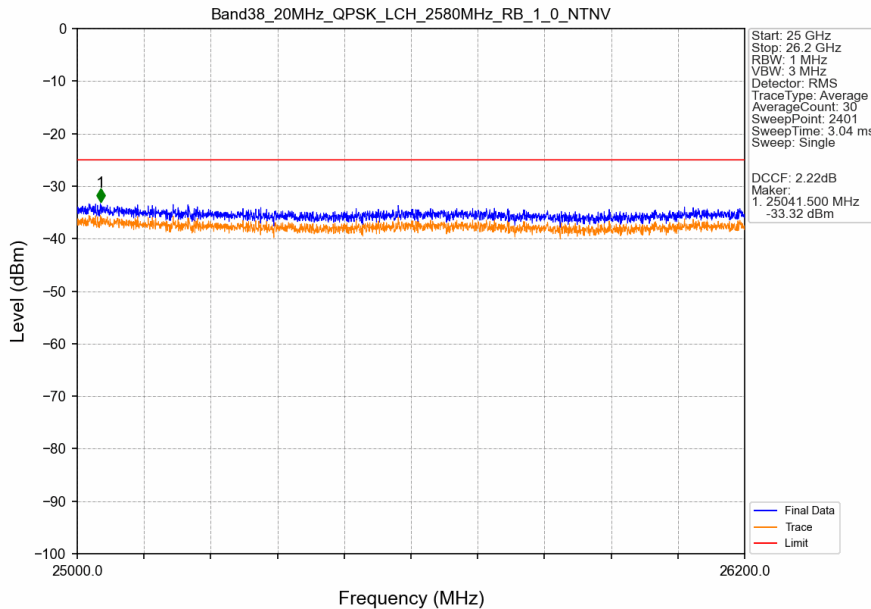
5.2.4 B38_20MHz



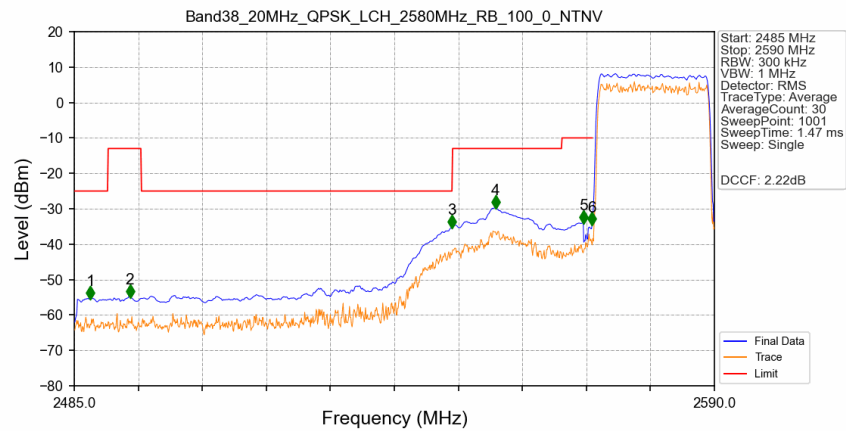
Band38 20MHz QPSK LCH 2580MHz RB 1 0 NTNV



Band38 20MHz QPSK LCH 2580MHz RB 1 0 NTNV

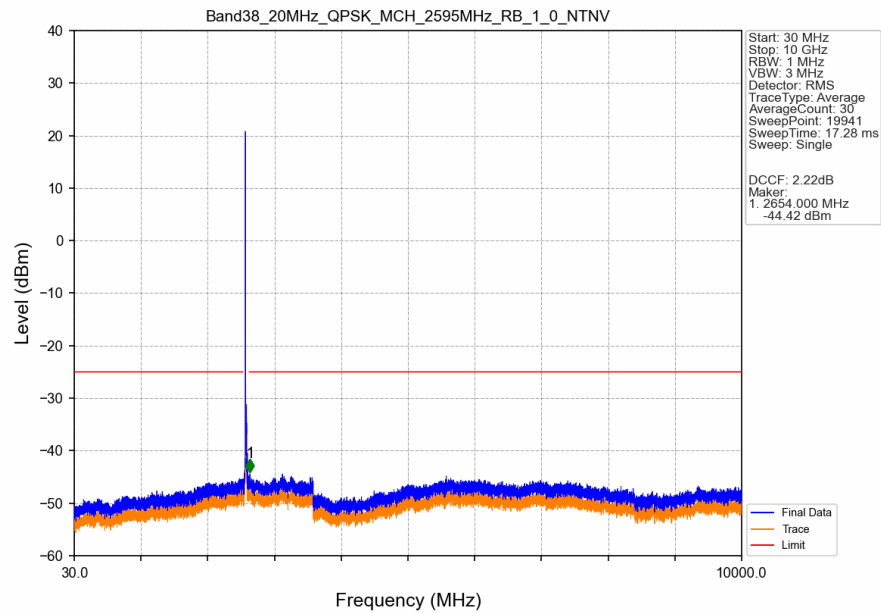


Band38 20MHz QPSK LCH 2580MHz RB 100 0 NTV

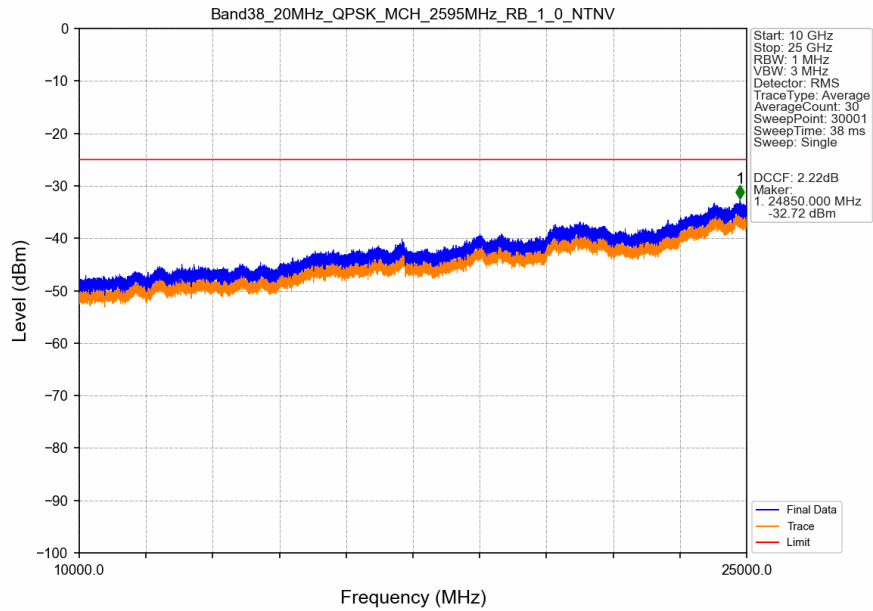


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2487.625	-55.21	-25	Pass
2490.5	2496	1	CHP	2	2494.135	-54.78	-13	Pass
2496	2547.033	1	CHP	3	2546.950	-35.12	-25	Pass
2547.033	2565	1	CHP	4	2554.090	-29.58	-13	Pass
2565	2569	1	CHP	5	2568.475	-33.87	-10	Pass
2569	2570	0.459	CHP	6	2569.945	-34.46	-10	Pass
2570	2590	0.459	CHP	/	/	/	/	/

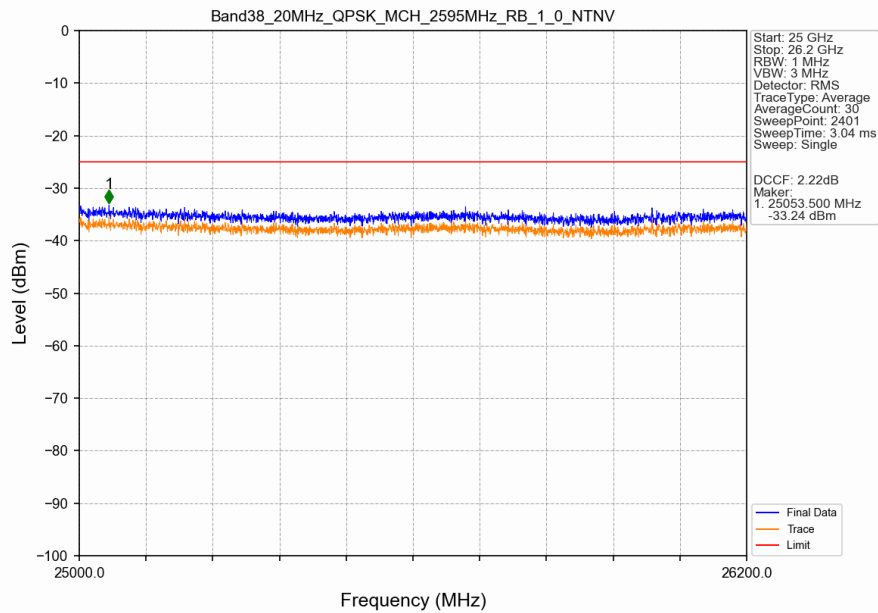
Band38 20MHz QPSK MCH 2595MHz RB 1 0 NTV



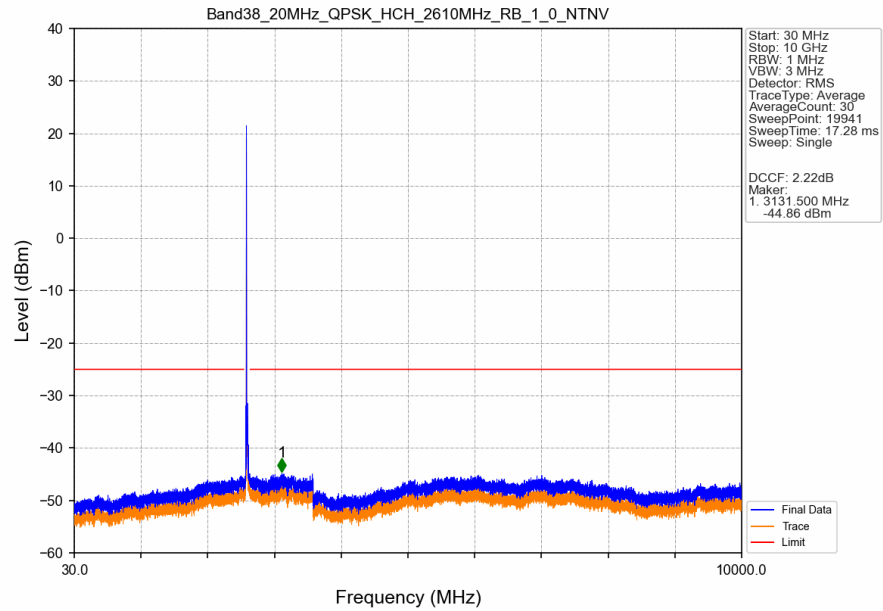
Band38 20MHz QPSK MCH 2595MHz RB 1 0 NTNV



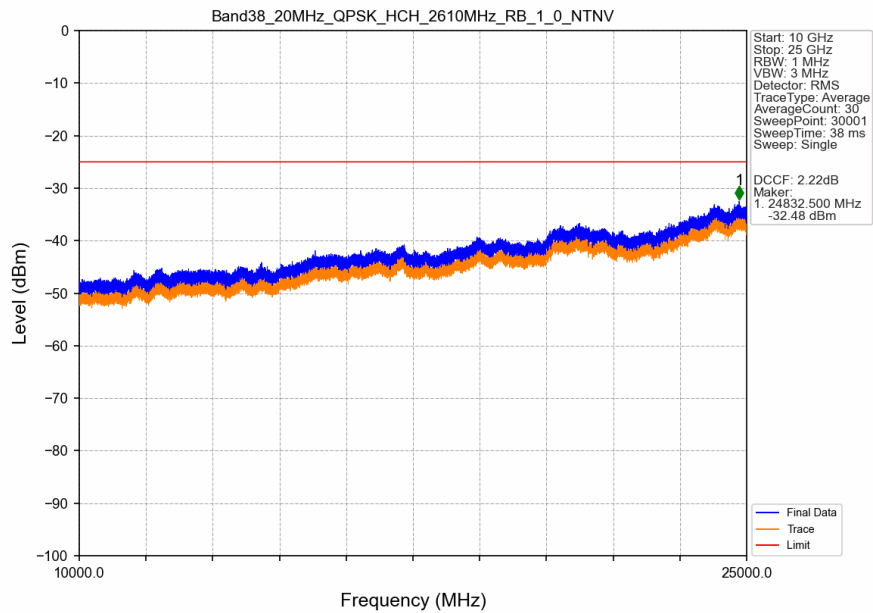
Band38 20MHz QPSK MCH 2595MHz RB 1 0 NTNV



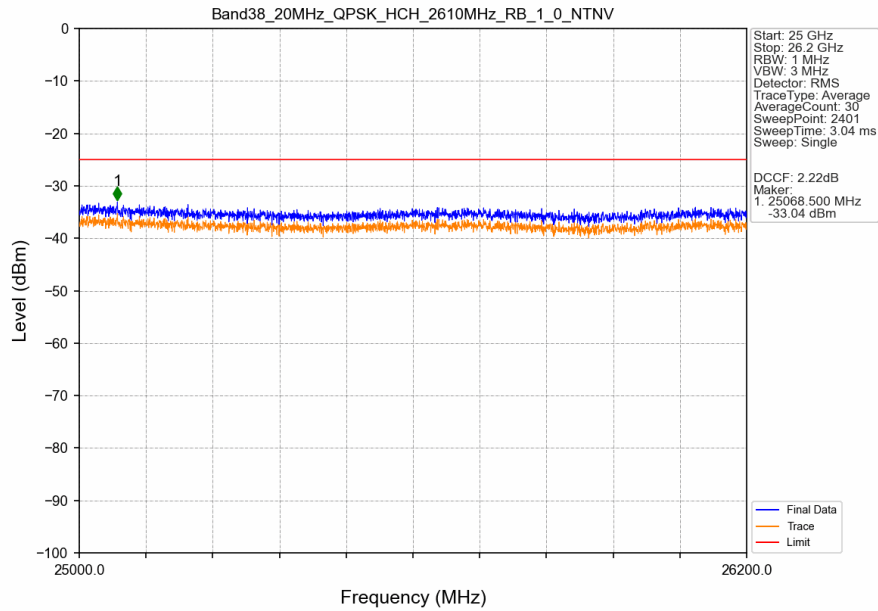
Band38 20MHz QPSK HCH 2610MHz RB 1 0 NTNV



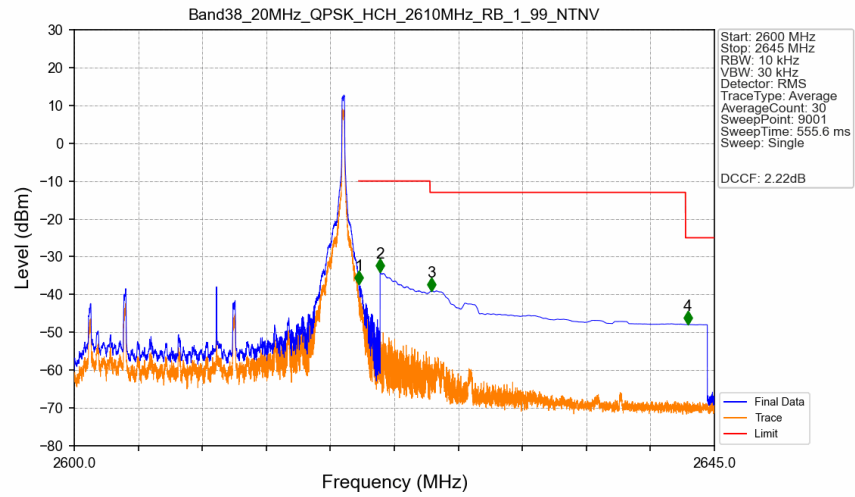
Band38 20MHz QPSK HCH 2610MHz RB 1 0 NTNV



Band38 20MHz QPSK HCH 2610MHz RB 1 0 NTN

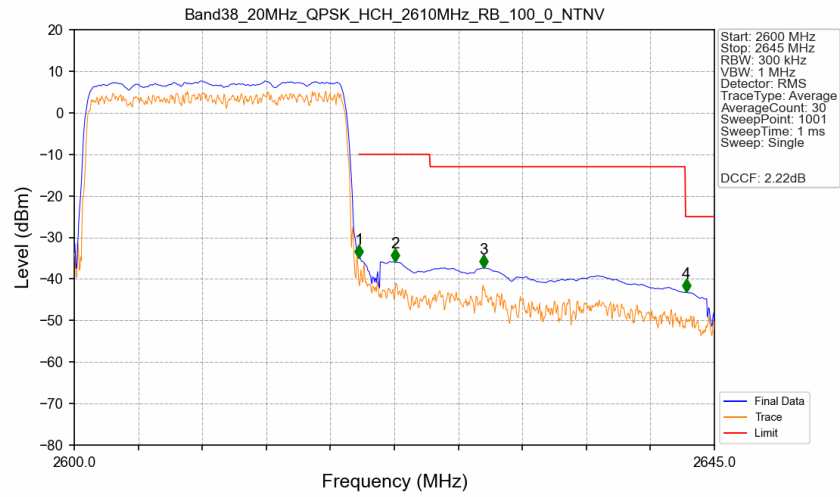


Band38 20MHz QPSK HCH 2610MHz RB 1 99 NTN



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	-37.30	-10	Pass
2621	2625	1	CHP	2	2621.500	-34.11	-10	Pass
2625	2642.967	1	CHP	3	2625.105	-39.05	-13	Pass
2642.967	2645	1	CHP	4	2643.120	-47.94	-25	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	0.459	CHP	/	/	/	/	/
2620	2621	0.459	CHP	1	2620.025	-35.02	-10	Pass
2621	2625	1	CHP	2	2622.545	-35.84	-10	Pass
2625	2642.967	1	CHP	3	2628.800	-37.33	-13	Pass
2642.967	2645	1	CHP	4	2643.020	-43.18	-25	Pass

6. Field Strength of Spurious Radiation

LTE Band 38-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	-63.17	-25	-38.17	-68.78	4.62	10.23	Horizontal	Pass
7713.0	-59.88	-25	-34.88	-66.91	4.96	11.99	Horizontal	Pass
10284.0	-56.36	-25	-31.36	-63.93	5.51	13.08	Horizontal	Pass
5142.0	-63.17	-25	-38.17	-68.78	4.62	10.23	Vertical	Pass
7713.0	-59.65	-25	-34.65	-66.68	4.96	11.99	Vertical	Pass
12872.44	-50.78	-25	-25.78	-58.25	5.97	13.44	Vertical	Pass

LTE Band 38-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	-62.95	-25	-37.95	-68.57	4.63	10.25	Horizontal	Pass
7758.0	-59.49	-25	-34.49	-66.57	4.96	12.04	Horizontal	Pass
10344.0	-56.48	-25	-31.48	-64.05	5.52	13.09	Horizontal	Pass
5172.0	-63.13	-25	-38.13	-68.75	4.63	10.25	Vertical	Pass
7758.0	-59.5	-25	-34.5	-66.58	4.96	12.04	Vertical	Pass
12947.07	-48.55	-25	-23.55	-56.05	5.98	13.48	Vertical	Pass

LTE Band 38-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	-63.48	-25	-38.48	-69.12	4.63	10.27	Horizontal	Pass
7803.0	-59.19	-25	-34.19	-66.33	4.96	12.1	Horizontal	Pass
10404.0	-56.21	-25	-31.21	-63.79	5.52	13.1	Horizontal	Pass
5202.0	-63.29	-25	-38.29	-68.93	4.63	10.27	Vertical	Pass
7803.0	-59.25	-25	-34.25	-66.39	4.96	12.1	Vertical	Pass
13022.13	-46.47	-25	-21.47	-54.03	5.98	13.54	Vertical	Pass