

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	24.69	0.00	24.69	<=33.01	Pass
			24	24.47	0.00	24.47	<=33.01	Pass
		25	0	23.56	0.00	23.56	<=33.01	Pass
	2595	1	0	24.33	0.00	24.33	<=33.01	Pass
			24	24.40	0.00	24.40	<=33.01	Pass
		25	0	23.45	0.00	23.45	<=33.01	Pass
	2617.5	1	0	24.37	0.00	24.37	<=33.01	Pass
			24	24.34	0.00	24.34	<=33.01	Pass
		25	0	23.40	0.00	23.40	<=33.01	Pass
16QAM	2572.5	1	0	23.62	0.00	23.62	<=33.01	Pass
			24	23.53	0.00	23.53	<=33.01	Pass
		25	0	22.44	0.00	22.44	<=33.01	Pass
	2595	1	0	23.44	0.00	23.44	<=33.01	Pass
			24	23.34	0.00	23.34	<=33.01	Pass
		25	0	22.40	0.00	22.40	<=33.01	Pass
	2617.5	1	0	23.44	0.00	23.44	<=33.01	Pass
			24	23.35	0.00	23.35	<=33.01	Pass
		25	0	22.37	0.00	22.37	<=33.01	Pass
64QAM	2572.5	1	0	23.45	0.00	23.45	<=33.01	Pass
			24	23.38	0.00	23.38	<=33.01	Pass
		25	0	22.51	0.00	22.51	<=33.01	Pass
	2595	1	0	23.16	0.00	23.16	<=33.01	Pass
			24	23.19	0.00	23.19	<=33.01	Pass
		25	0	22.41	0.00	22.41	<=33.01	Pass
	2617.5	1	0	23.12	0.00	23.12	<=33.01	Pass
			24	23.33	0.00	23.33	<=33.01	Pass
		25	0	22.40	0.00	22.40	<=33.01	Pass
256QAM	2572.5	1	0	19.38	0.00	19.38	<=33.01	Pass
			24	19.35	0.00	19.35	<=33.01	Pass
		25	0	19.59	0.00	19.59	<=33.01	Pass
	2595	1	0	19.31	0.00	19.31	<=33.01	Pass
			24	19.38	0.00	19.38	<=33.01	Pass
		25	0	19.39	0.00	19.39	<=33.01	Pass
	2617.5	1	0	19.13	0.00	19.13	<=33.01	Pass
			24	19.37	0.00	19.37	<=33.01	Pass
		25	0	19.41	0.00	19.41	<=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	24.35	0.00	24.35	<=33.01	Pass
			49	24.44	0.00	24.44	<=33.01	Pass
		50	0	23.40	0.00	23.40	<=33.01	Pass
	2595	1	0	24.49	0.00	24.49	<=33.01	Pass

			49	24.40	0.00	24.40	<=33.01	Pass
		50	0	23.38	0.00	23.38	<=33.01	Pass
	2615	1	0	24.38	0.00	24.38	<=33.01	Pass
			49	24.32	0.00	24.32	<=33.01	Pass
		50	0	23.34	0.00	23.34	<=33.01	Pass
16QAM	2575	1	0	23.36	0.00	23.36	<=33.01	Pass
			49	23.34	0.00	23.34	<=33.01	Pass
		50	0	22.41	0.00	22.41	<=33.01	Pass
	2595	1	0	23.46	0.00	23.46	<=33.01	Pass
			49	23.36	0.00	23.36	<=33.01	Pass
		50	0	22.39	0.00	22.39	<=33.01	Pass
	2615	1	0	23.26	0.00	23.26	<=33.01	Pass
			49	23.23	0.00	23.23	<=33.01	Pass
		50	0	22.25	0.00	22.25	<=33.01	Pass
	64QAM	2575	1	0	23.40	0.00	23.40	<=33.01
49				23.30	0.00	23.30	<=33.01	Pass
50			0	22.45	0.00	22.45	<=33.01	Pass
2595		1	0	23.44	0.00	23.44	<=33.01	Pass
			49	23.13	0.00	23.13	<=33.01	Pass
		50	0	22.39	0.00	22.39	<=33.01	Pass
2615		1	0	23.17	0.00	23.17	<=33.01	Pass
			49	23.23	0.00	23.23	<=33.01	Pass
		50	0	22.30	0.00	22.30	<=33.01	Pass
256QAM	2575	1	0	19.31	0.00	19.31	<=33.01	Pass
			49	19.31	0.00	19.31	<=33.01	Pass
		50	0	19.49	0.00	19.49	<=33.01	Pass
	2595	1	0	19.14	0.00	19.14	<=33.01	Pass
			49	19.26	0.00	19.26	<=33.01	Pass
		50	0	19.35	0.00	19.35	<=33.01	Pass
	2615	1	0	19.23	0.00	19.23	<=33.01	Pass
			49	19.13	0.00	19.13	<=33.01	Pass
		50	0	19.31	0.00	19.31	<=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	24.30	0.00	24.30	<=33.01	Pass
			74	24.26	0.00	24.26	<=33.01	Pass
		75	0	23.23	0.00	23.23	<=33.01	Pass
	2595	1	0	24.19	0.00	24.19	<=33.01	Pass
			74	24.11	0.00	24.11	<=33.01	Pass
		75	0	23.18	0.00	23.18	<=33.01	Pass
	2612.5	1	0	24.14	0.00	24.14	<=33.01	Pass
			74	24.14	0.00	24.14	<=33.01	Pass
		75	0	23.05	0.00	23.05	<=33.01	Pass
16QAM	2577.5	1	0	23.09	0.00	23.09	<=33.01	Pass
			74	23.18	0.00	23.18	<=33.01	Pass
		75	0	22.32	0.00	22.32	<=33.01	Pass
	2595	1	0	23.20	0.00	23.20	<=33.01	Pass
			74	22.95	0.00	22.95	<=33.01	Pass
		75	0	22.24	0.00	22.24	<=33.01	Pass
	2612.5	1	0	22.99	0.00	22.99	<=33.01	Pass
			74	23.02	0.00	23.02	<=33.01	Pass
		75	0	22.11	0.00	22.11	<=33.01	Pass

64QAM	2577.5	1	0	23.07	0.00	23.07	<=33.01	Pass
			74	22.80	0.00	22.80	<=33.01	Pass
		75	0	22.34	0.00	22.34	<=33.01	Pass
	2595	1	0	23.14	0.00	23.14	<=33.01	Pass
			74	23.05	0.00	23.05	<=33.01	Pass
		75	0	22.23	0.00	22.23	<=33.01	Pass
	2612.5	1	0	22.89	0.00	22.89	<=33.01	Pass
			74	22.80	0.00	22.80	<=33.01	Pass
		75	0	22.12	0.00	22.12	<=33.01	Pass
256QAM	2577.5	1	0	19.19	0.00	19.19	<=33.01	Pass
			74	19.28	0.00	19.28	<=33.01	Pass
		75	0	19.37	0.00	19.37	<=33.01	Pass
	2595	1	0	19.29	0.00	19.29	<=33.01	Pass
			74	19.25	0.00	19.25	<=33.01	Pass
		75	0	19.26	0.00	19.26	<=33.01	Pass
	2612.5	1	0	19.08	0.00	19.08	<=33.01	Pass
			74	18.94	0.00	18.94	<=33.01	Pass
		75	0	19.16	0.00	19.16	<=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	24.16	0.00	24.16	<=33.01	Pass
			99	24.17	0.00	24.17	<=33.01	Pass
		100	0	23.32	0.00	23.32	<=33.01	Pass
	2595	1	0	24.34	0.00	24.34	<=33.01	Pass
			99	24.09	0.00	24.09	<=33.01	Pass
		100	0	23.15	0.00	23.15	<=33.01	Pass
	2610	1	0	24.25	0.00	24.25	<=33.01	Pass
			99	24.11	0.00	24.11	<=33.01	Pass
		100	0	23.16	0.00	23.16	<=33.01	Pass
16QAM	2580	1	0	23.19	0.00	23.19	<=33.01	Pass
			99	23.06	0.00	23.06	<=33.01	Pass
		100	0	22.31	0.00	22.31	<=33.01	Pass
	2595	1	0	23.18	0.00	23.18	<=33.01	Pass
			99	23.06	0.00	23.06	<=33.01	Pass
		100	0	22.28	0.00	22.28	<=33.01	Pass
	2610	1	0	23.09	0.00	23.09	<=33.01	Pass
			99	23.01	0.00	23.01	<=33.01	Pass
		100	0	22.20	0.00	22.20	<=33.01	Pass
64QAM	2580	1	0	23.19	0.00	23.19	<=33.01	Pass
			99	23.07	0.00	23.07	<=33.01	Pass
		100	0	22.31	0.00	22.31	<=33.01	Pass
	2595	1	0	23.07	0.00	23.07	<=33.01	Pass
			99	22.94	0.00	22.94	<=33.01	Pass
		100	0	22.22	0.00	22.22	<=33.01	Pass
	2610	1	0	23.05	0.00	23.05	<=33.01	Pass
			99	22.93	0.00	22.93	<=33.01	Pass
		100	0	22.21	0.00	22.21	<=33.01	Pass
256QAM	2580	1	0	19.28	0.00	19.28	<=33.01	Pass
			99	19.23	0.00	19.23	<=33.01	Pass
		100	0	19.35	0.00	19.35	<=33.01	Pass
	2595	1	0	19.19	0.00	19.19	<=33.01	Pass
			99	19.31	0.00	19.31	<=33.01	Pass

	2610	100	0	19.23	0.00	19.23	<=33.01	Pass
		1	0	19.28	0.00	19.28	<=33.01	Pass
			99	18.96	0.00	18.96	<=33.01	Pass
		100	0	19.24	0.00	19.24	<=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	-1.300	-0.0005	-2.5 to 2.5	Pass
					3.84	-0.300	-0.0001	-2.5 to 2.5	Pass
					4.3	-1.400	-0.0005	-2.5 to 2.5	Pass
				-30	3.84	1.300	0.0005	-2.5 to 2.5	Pass
				-20	3.84	2.100	0.0008	-2.5 to 2.5	Pass
				-10	3.84	-3.200	-0.0012	-2.5 to 2.5	Pass
				0	3.84	-1.900	-0.0007	-2.5 to 2.5	Pass
				10	3.84	-5.500	-0.0021	-2.5 to 2.5	Pass
				30	3.84	0.900	0.0003	-2.5 to 2.5	Pass
				40	3.84	1.000	0.0004	-2.5 to 2.5	Pass
				50	3.84	-3.500	-0.0013	-2.5 to 2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 Band38_OBW

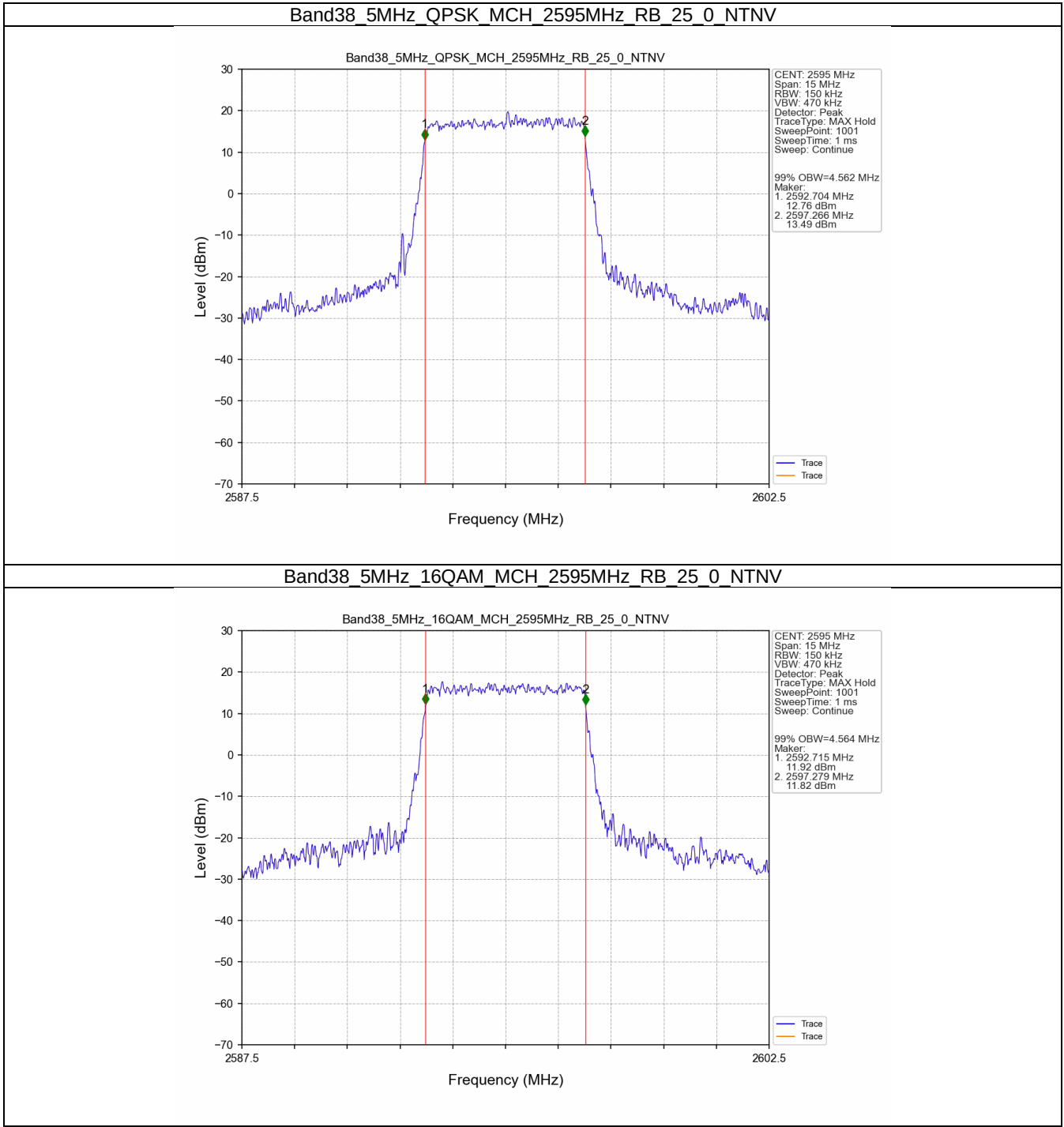
Band: 38 / NTN							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2595	25	0	4.562	/	Pass
	16QAM	2595	25	0	4.564	/	Pass
10	QPSK	2595	50	0	9.097	/	Pass
	16QAM	2595	50	0	9.078	/	Pass
15	QPSK	2595	75	0	13.611	/	Pass
	16QAM	2595	75	0	13.592	/	Pass
20	QPSK	2595	100	0	18.121	/	Pass
	16QAM	2595	100	0	18.127	/	Pass

3.1.2 Band38_XDB

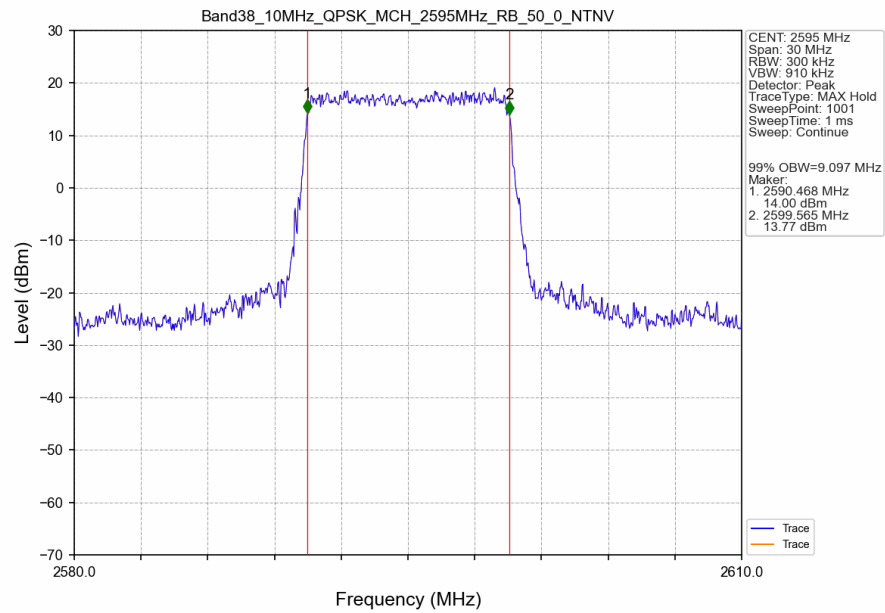
Band: 38 / NTN							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2595	25	0	5.185	/	Pass
	16QAM	2595	25	0	5.196	/	Pass
10	QPSK	2595	50	0	10.194	/	Pass
	16QAM	2595	50	0	10.167	/	Pass
15	QPSK	2595	75	0	15.037	/	Pass
	16QAM	2595	75	0	15.043	/	Pass
20	QPSK	2595	100	0	20.055	/	Pass
	16QAM	2595	100	0	19.851	/	Pass

3.2 Test Graph

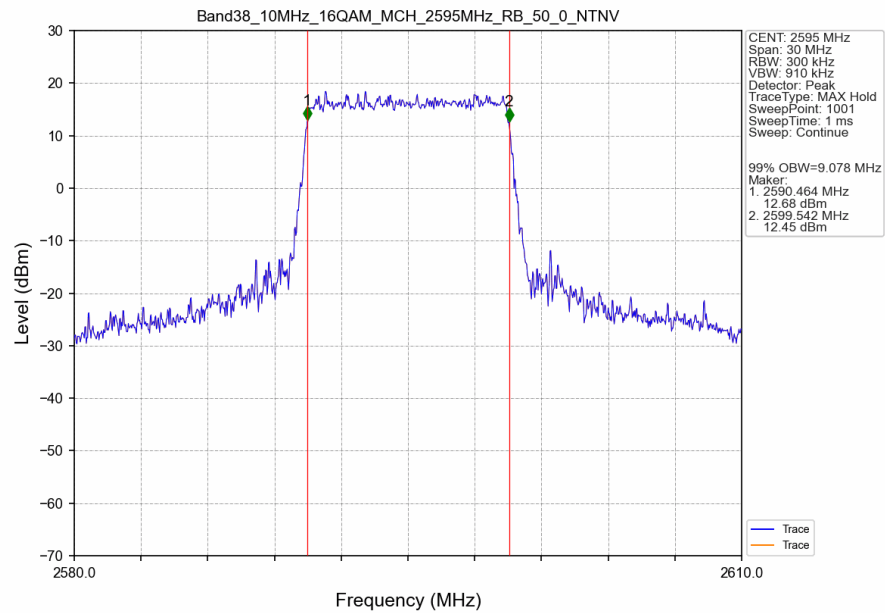
3.2.1 Band38_OBW



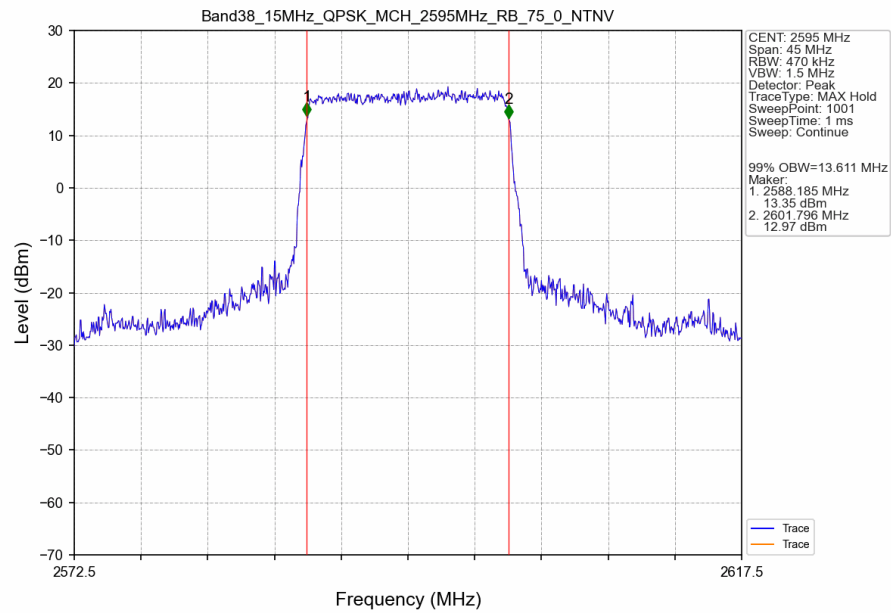
Band38_10MHz_QPSK_MCH_2595MHz_RB_50_0_NTNV



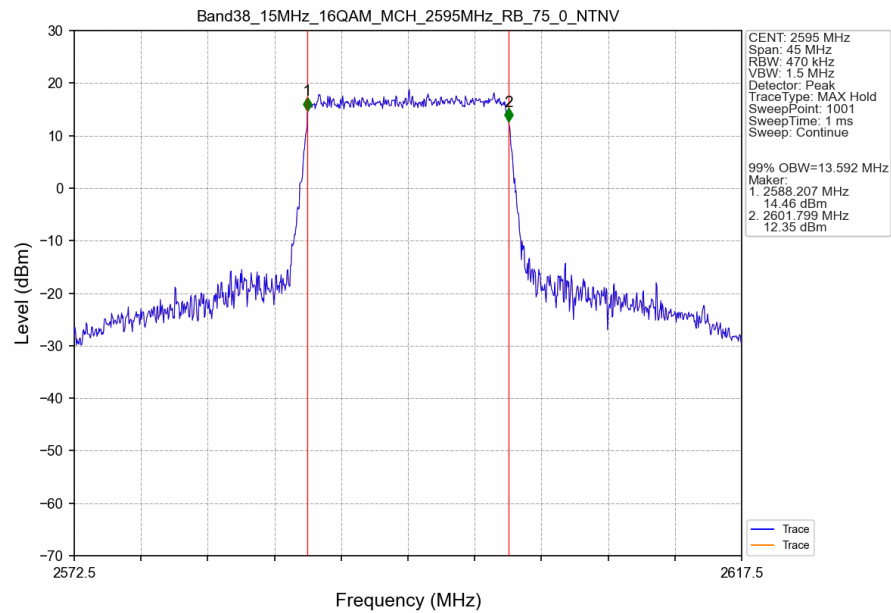
Band38_10MHz_16QAM_MCH_2595MHz_RB_50_0_NTNV



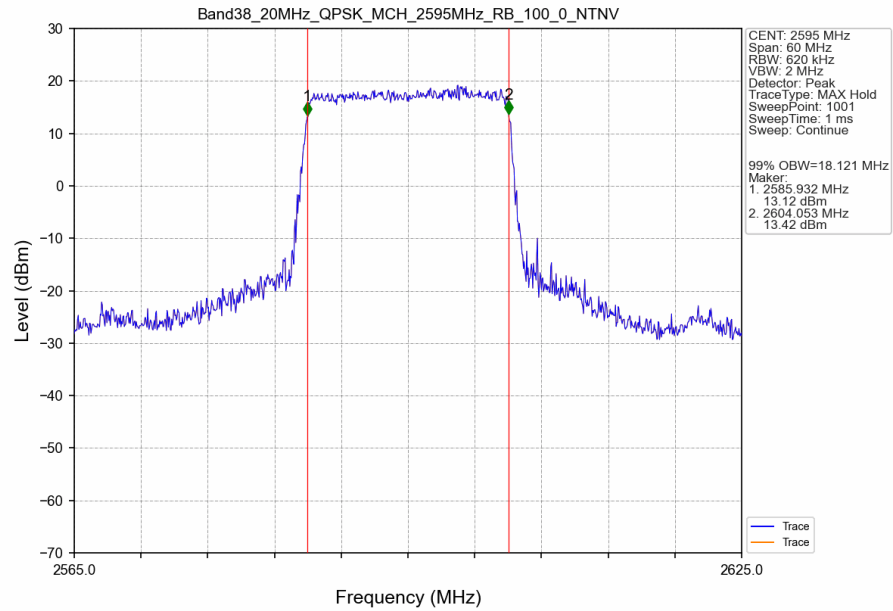
Band38_15MHz_QPSK_MCH_2595MHz_RB_75_0_NTNV



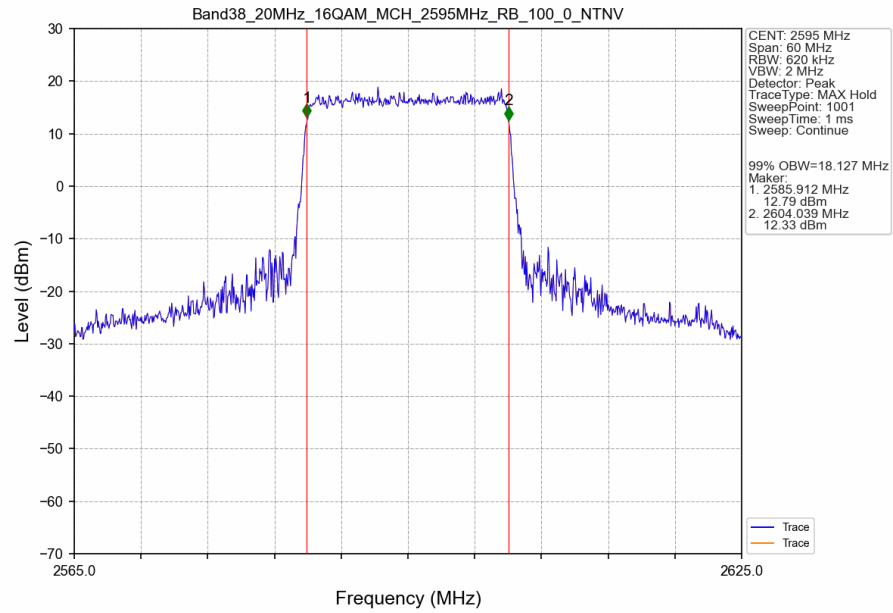
Band38_15MHz_16QAM_MCH_2595MHz_RB_75_0_NTNV



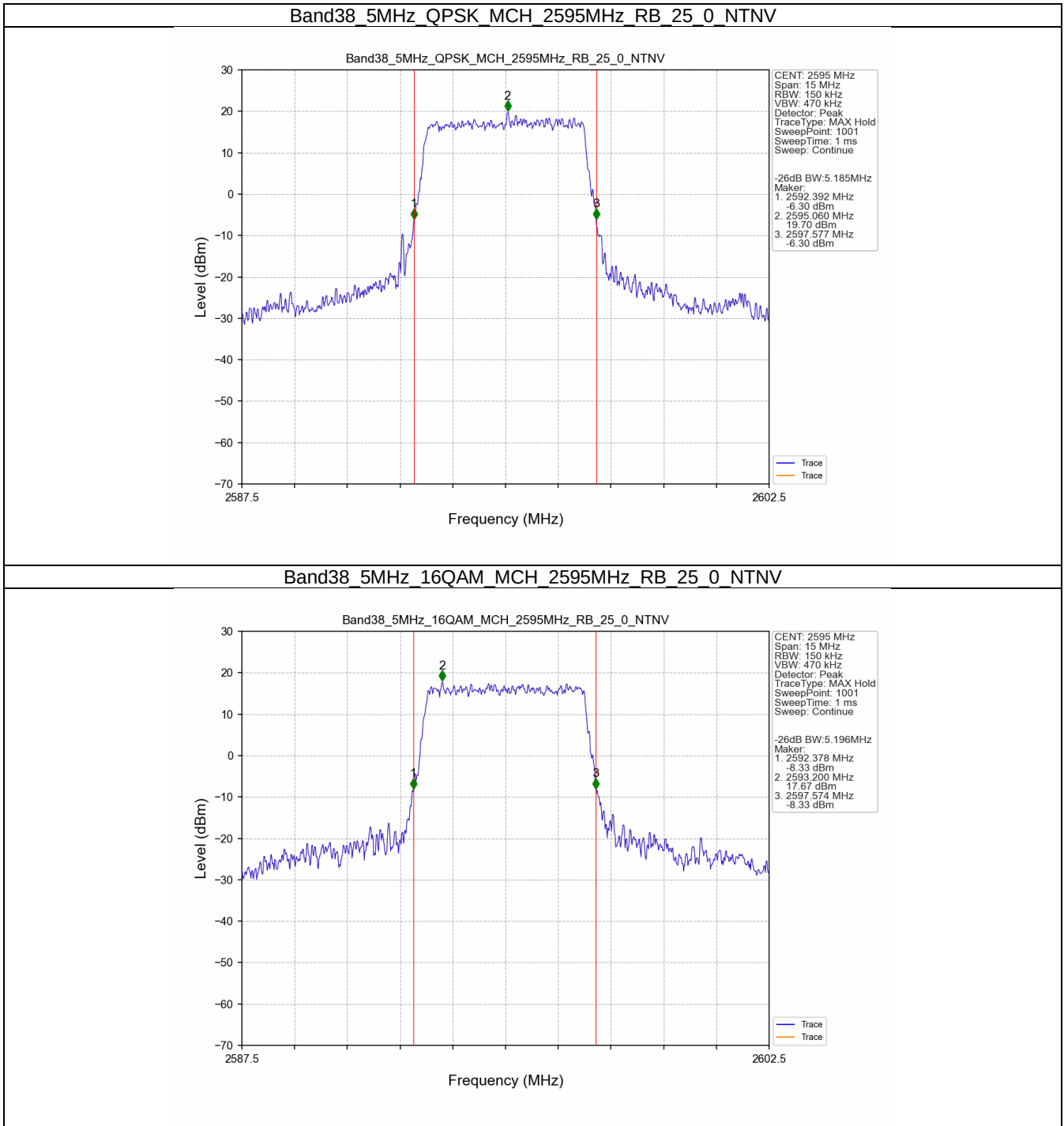
Band38 20MHz QPSK MCH 2595MHz RB 100 0 NTNV



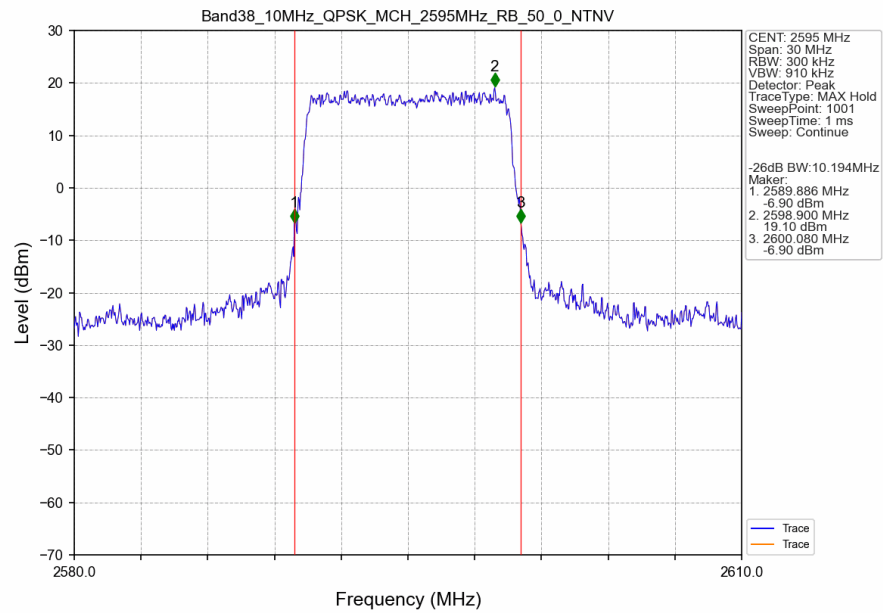
Band38 20MHz 16QAM MCH 2595MHz RB 100 0 NTNV



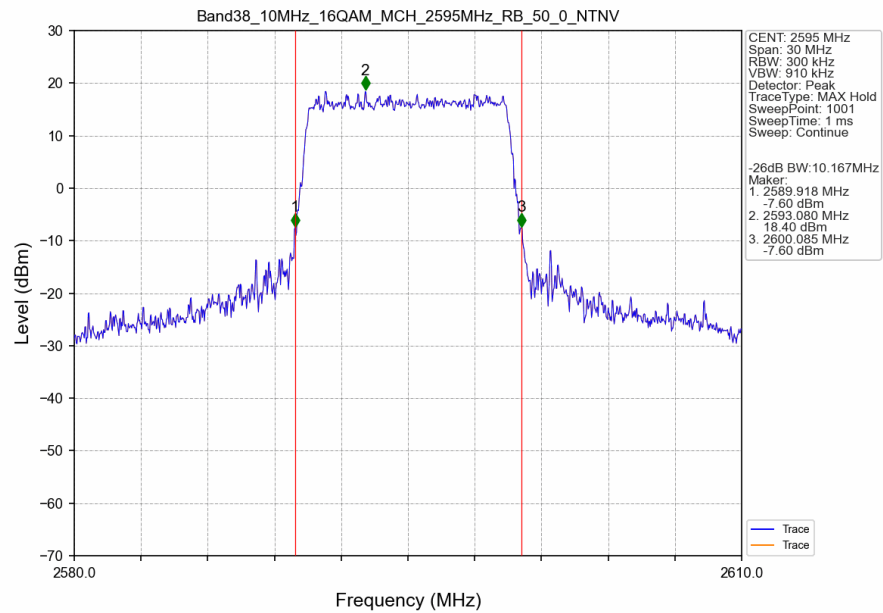
3.2.2 Band38_XDB



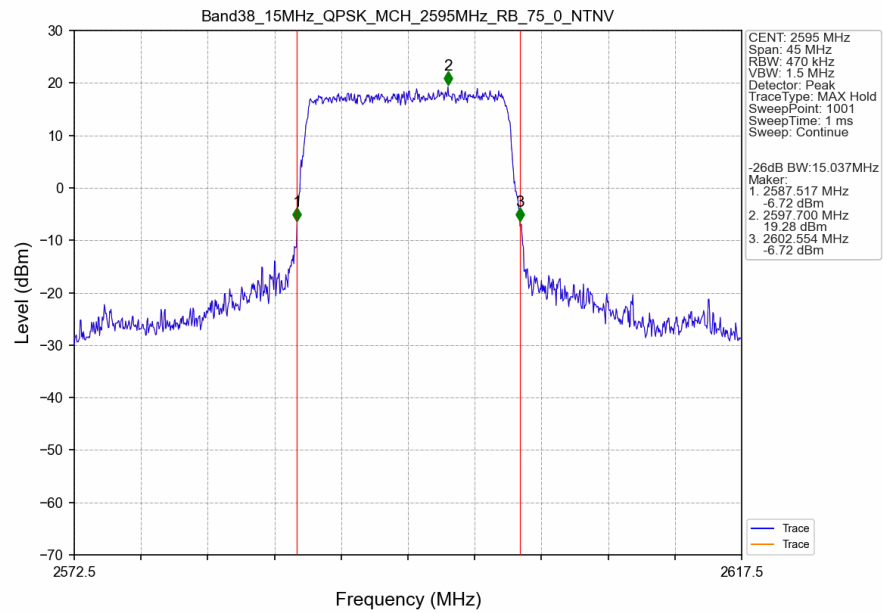
Band38_10MHz_QPSK_MCH_2595MHz_RB_50_0_NTNV



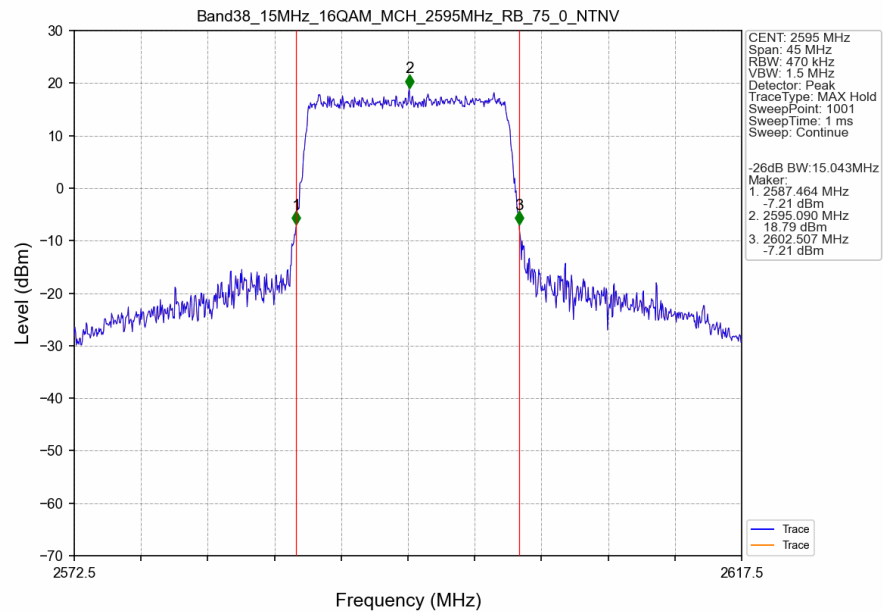
Band38_10MHz_16QAM_MCH_2595MHz_RB_50_0_NTNV



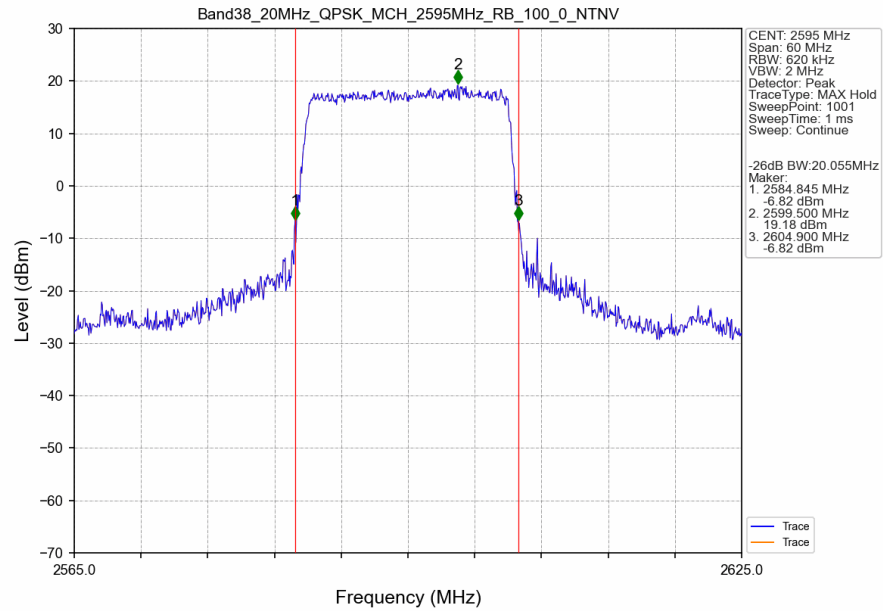
Band38_15MHz_QPSK_MCH_2595MHz_RB_75_0_NTNV



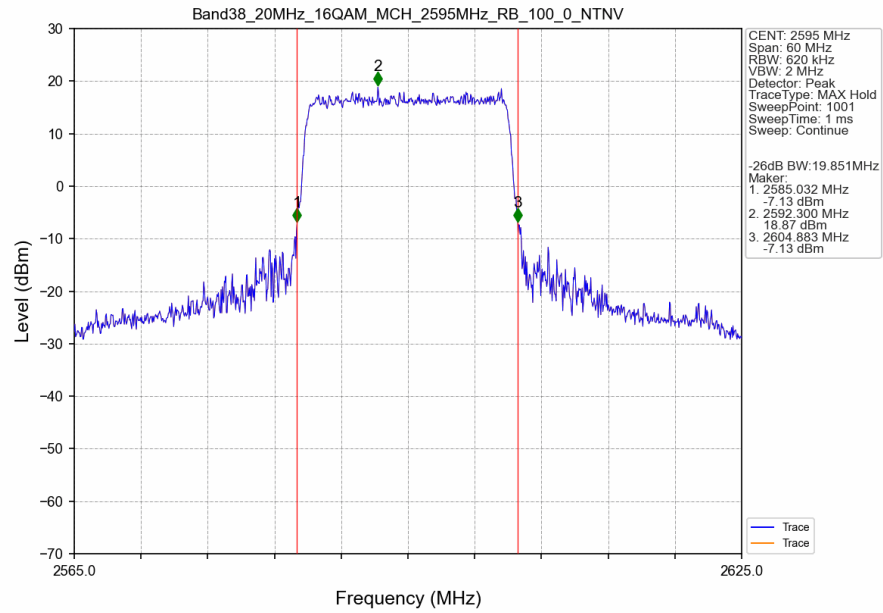
Band38_15MHz_16QAM_MCH_2595MHz_RB_75_0_NTNV



Band38 20MHz QPSK MCH 2595MHz RB 100 0 NTNV



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



4. Peak-Average Ratio

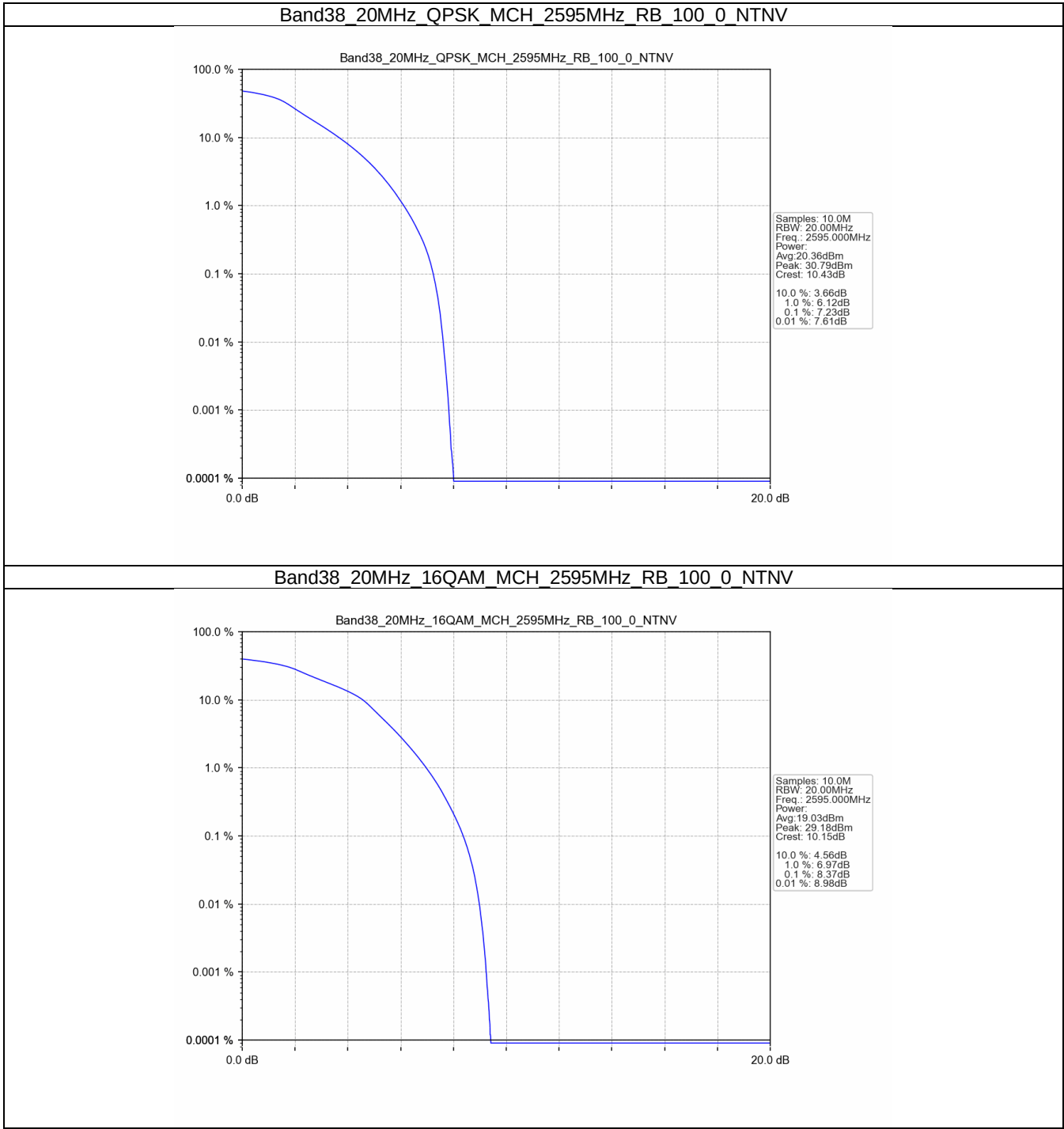
4.1 Test Result

4.1.1 B38_20MHz

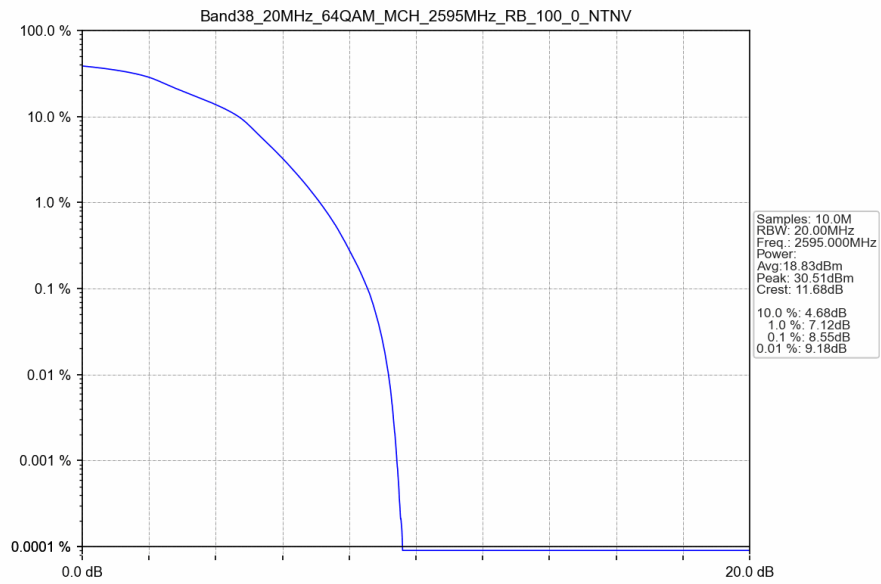
Band: 38 / Bandwidth: 20MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2595	100	0	7.23	<=13	Pass
16QAM	2595	100	0	8.37	<=13	Pass
64QAM	2595	100	0	8.55	<=13	Pass
256QAM	2595	100	0	8.83	<=13	Pass

4.2 Test Graph

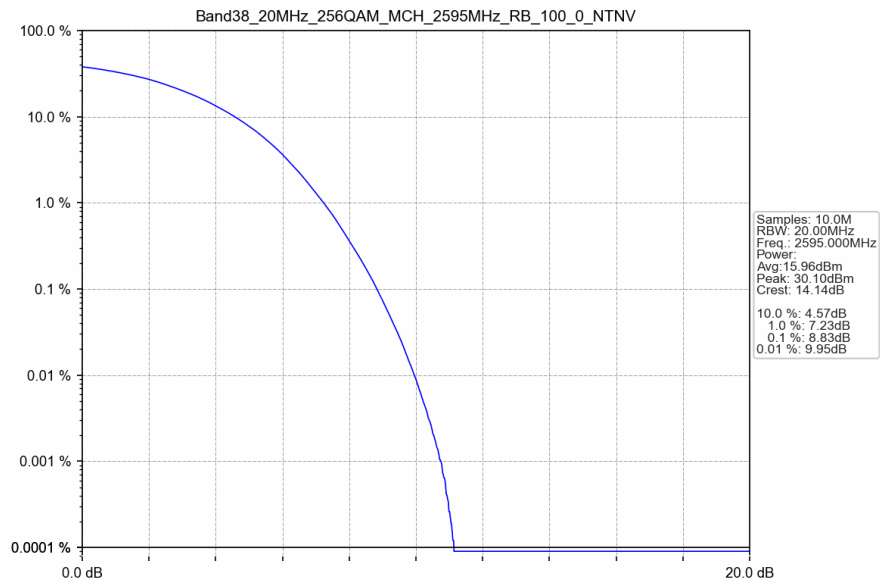
4.2.1 B38_20MHz



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



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



5. Spurious Emission

5.1 Test Result

5.1.1 B38_5MHz

Band: 38 / Bandwidth: 5MHz / NTNV						
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

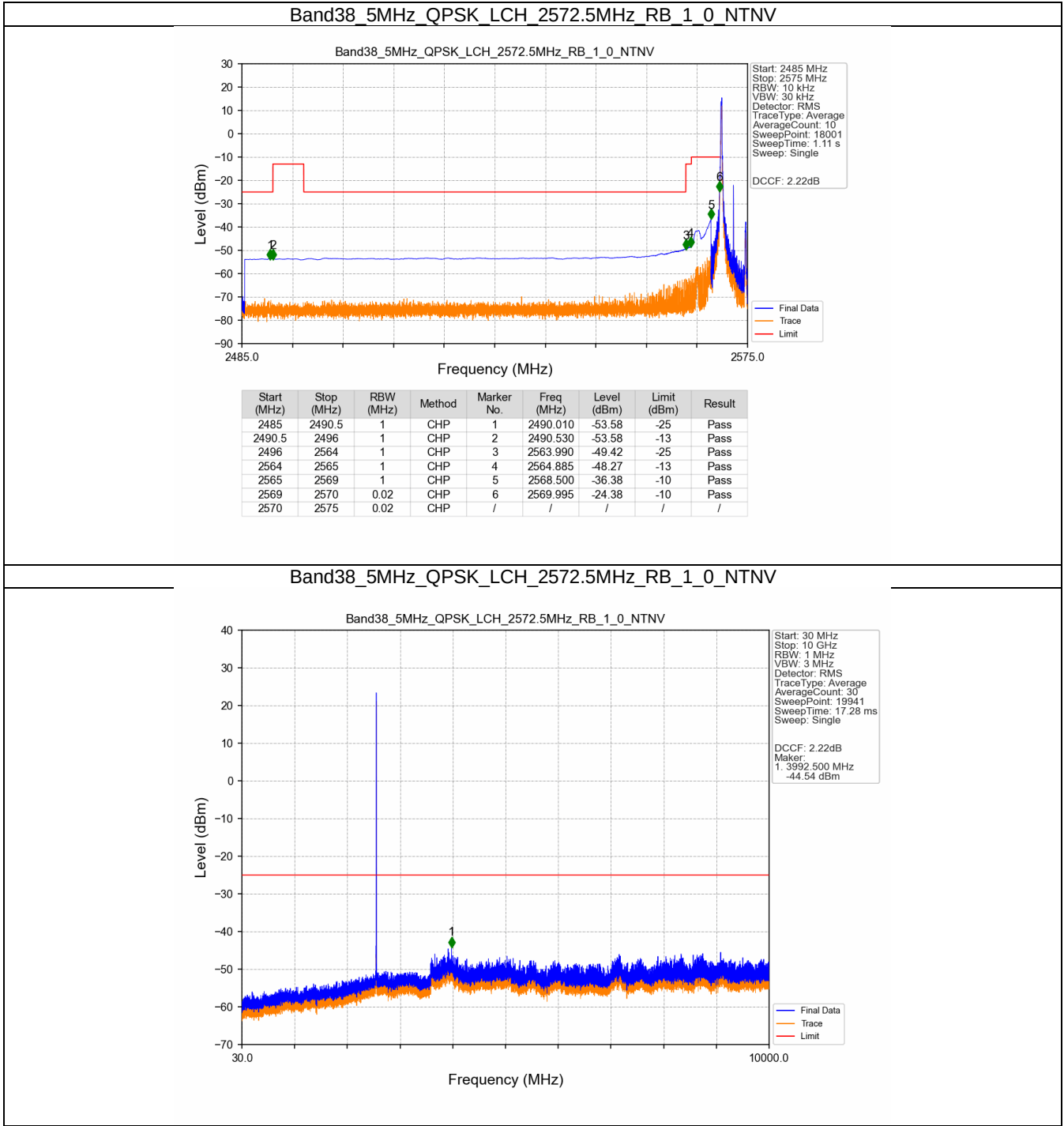
Band: 38 / Bandwidth: 15MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	2577.5	1	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	2595	1	0	Refer To Test Graph		Pass
	2612.5	1	0	Refer To Test Graph		Pass
			74	Refer To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

5.1.4 B38_20MHz

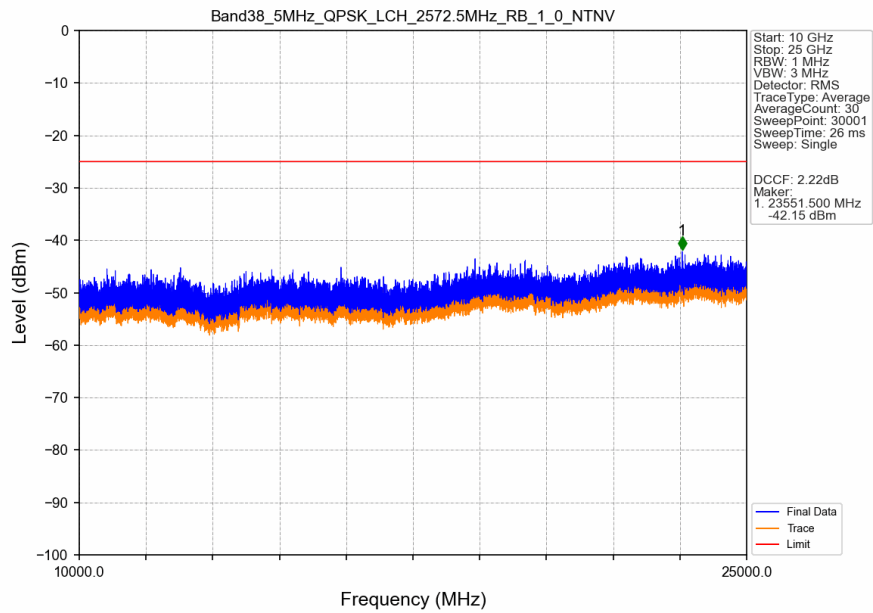
Band: 38 / Bandwidth: 20MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	2580	1	0	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	2595	1	0	Refer To Test Graph		Pass
	2610	1	0	Refer To Test Graph		Pass
			99	Refer To Test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

5.2 Test Graph

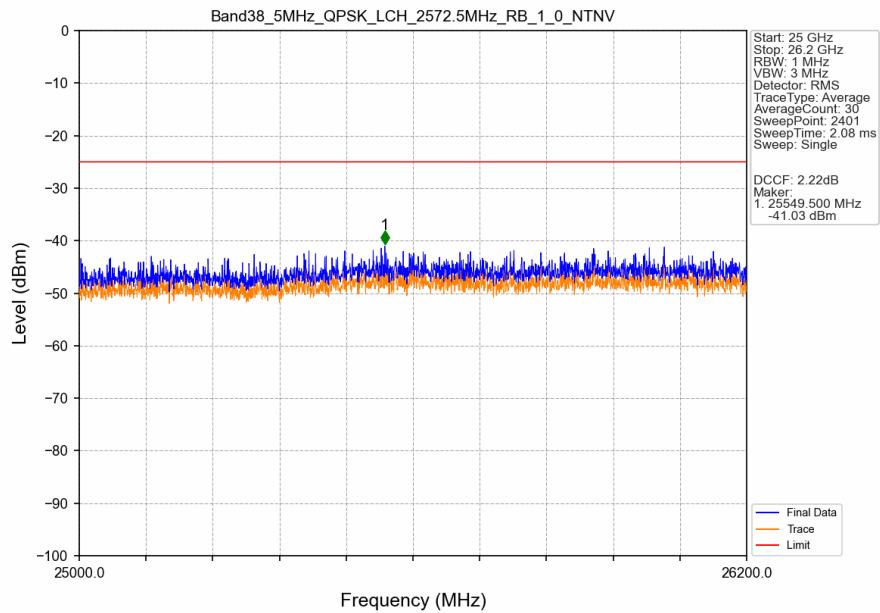
5.2.1 B38_5MHz



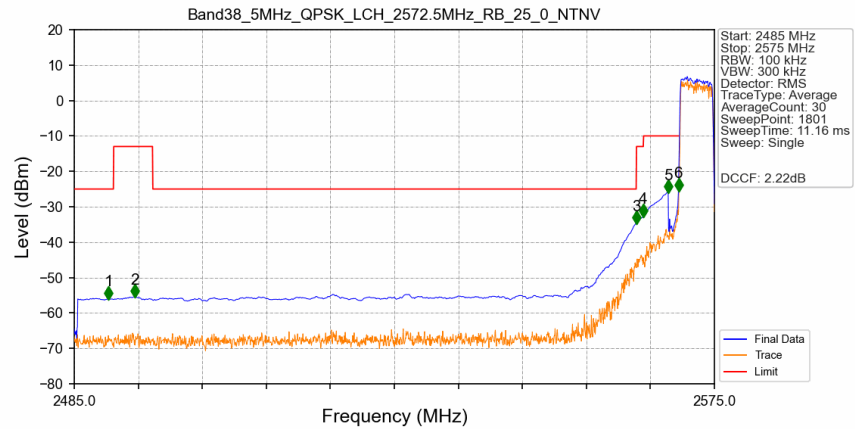
Band38 5MHz QPSK LCH 2572.5MHz RB 1 0 NTNV



Band38 5MHz QPSK LCH 2572.5MHz RB 1 0 NTNV

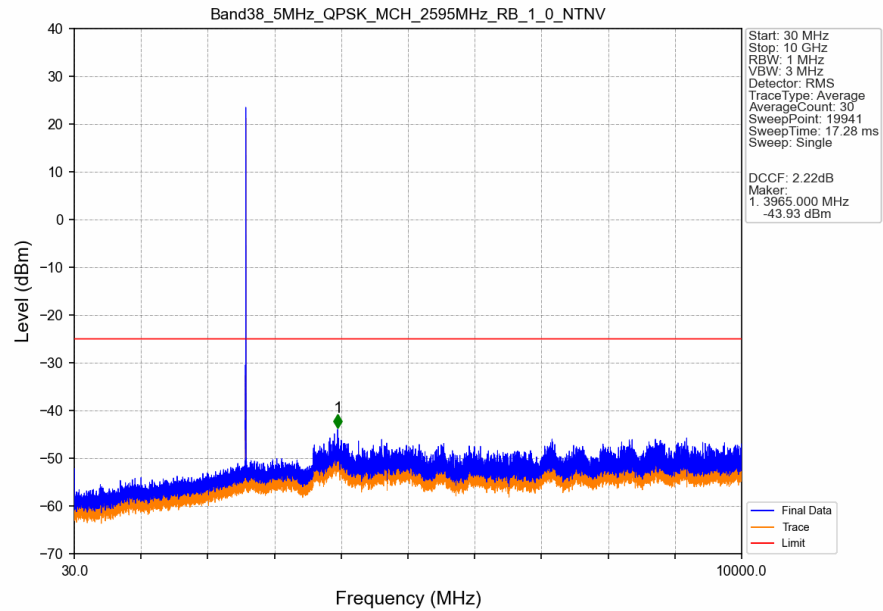


Band38_5MHz_QPSK_LCH_2572.5MHz_RB_25_0_NTNV

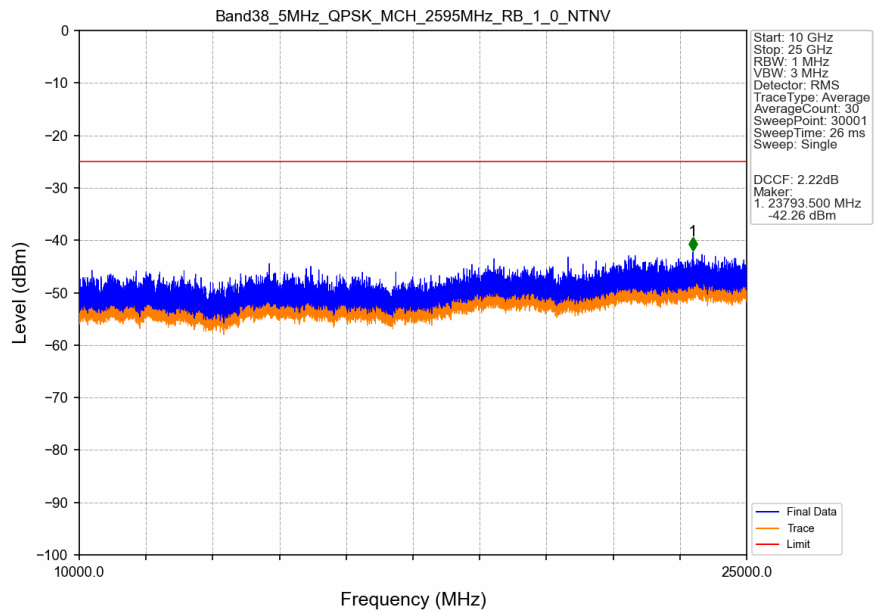


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2489.800	-55.88	-25	Pass
2490.5	2496	1	CHP	2	2493.500	-55.37	-13	Pass
2496	2564	1	CHP	3	2564.000	-34.61	-25	Pass
2564	2565	1	CHP	4	2565.000	-32.58	-13	Pass
2565	2569	1	CHP	5	2568.500	-25.86	-10	Pass
2569	2570	0.104	CHP	6	2569.950	-25.33	-10	Pass
2570	2575	0.104	CHP	/	/	/	/	/

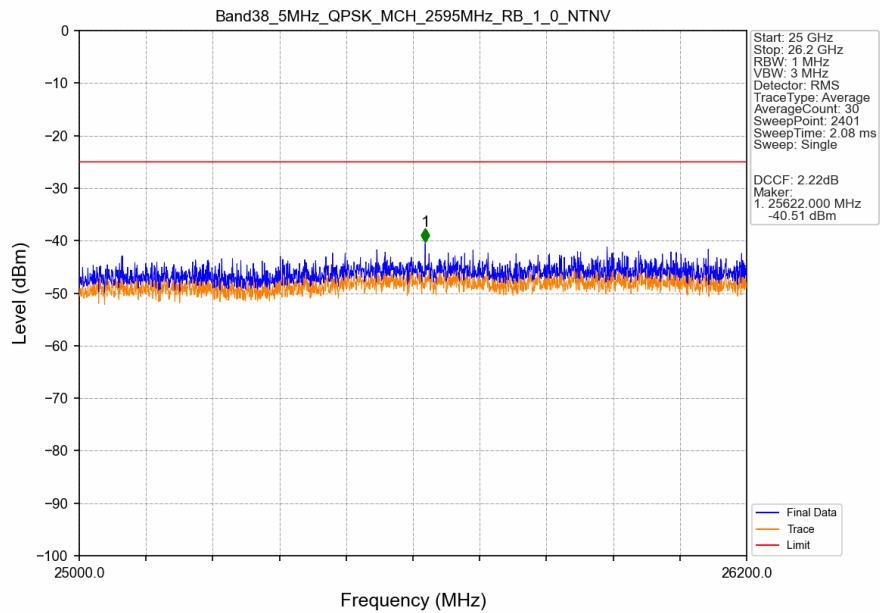
Band38_5MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



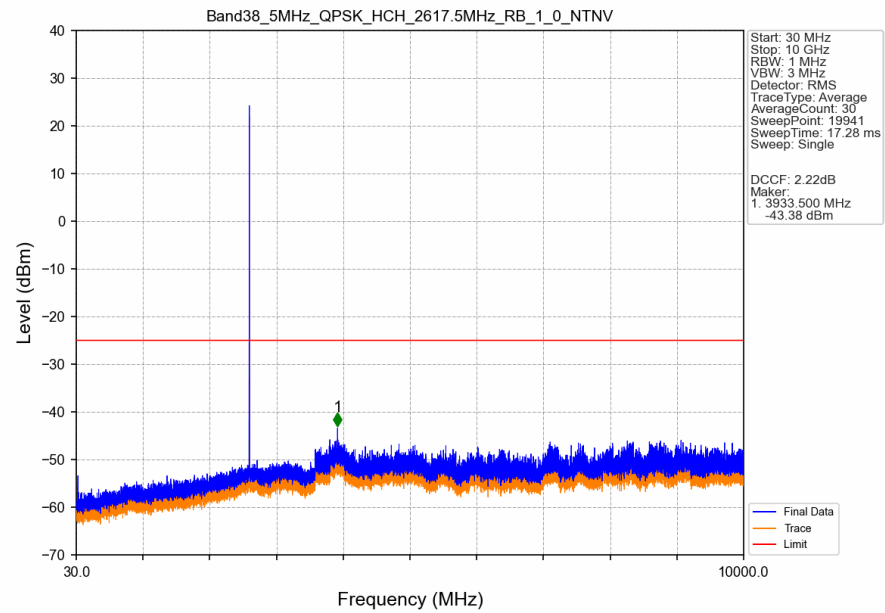
Band38 5MHz QPSK MCH 2595MHz RB 1 0 NTN



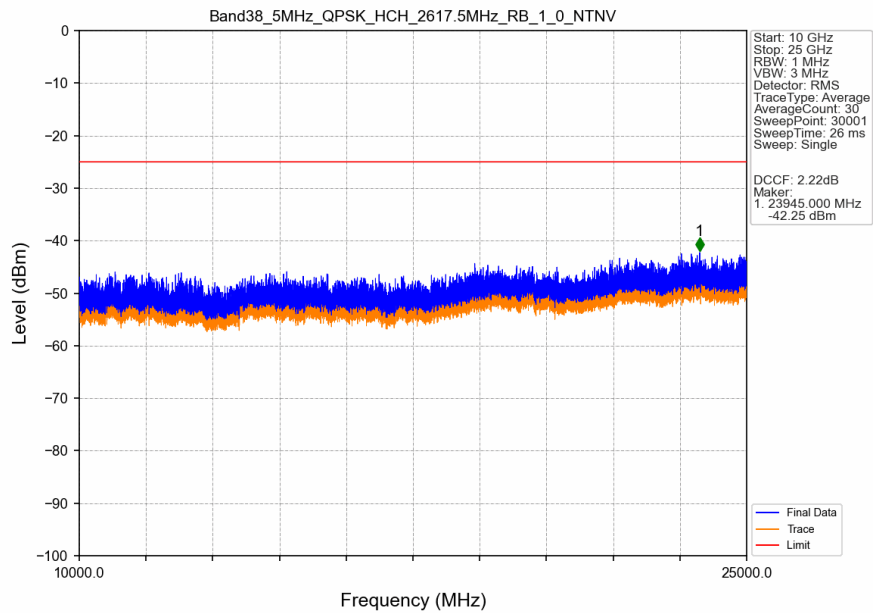
Band38 5MHz QPSK MCH 2595MHz RB 1 0 NTN



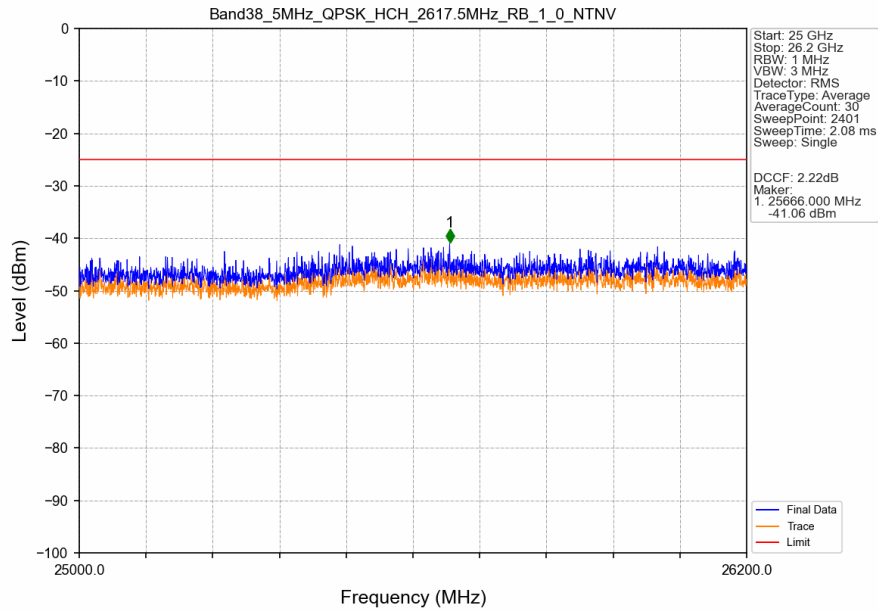
Band38 5MHz QPSK HCH 2617.5MHz RB 1 0 NTV



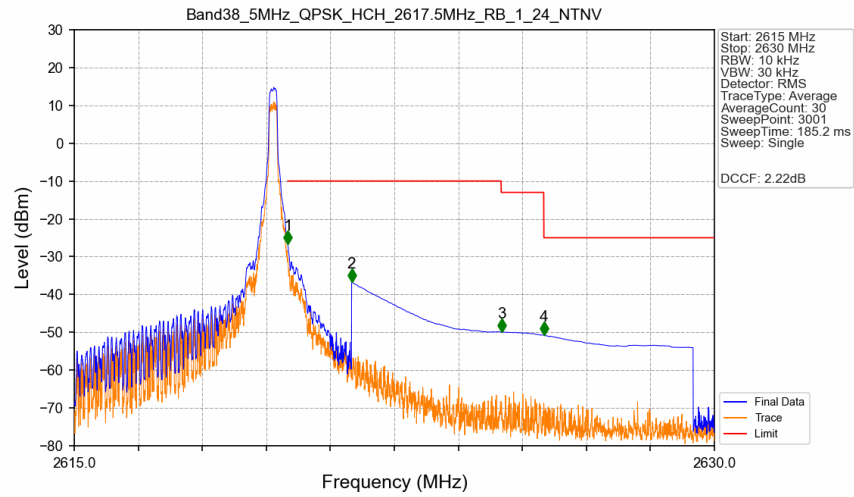
Band38 5MHz QPSK HCH 2617.5MHz RB 1 0 NTV



Band38 5MHz QPSK HCH 2617.5MHz RB 1 0 NTV

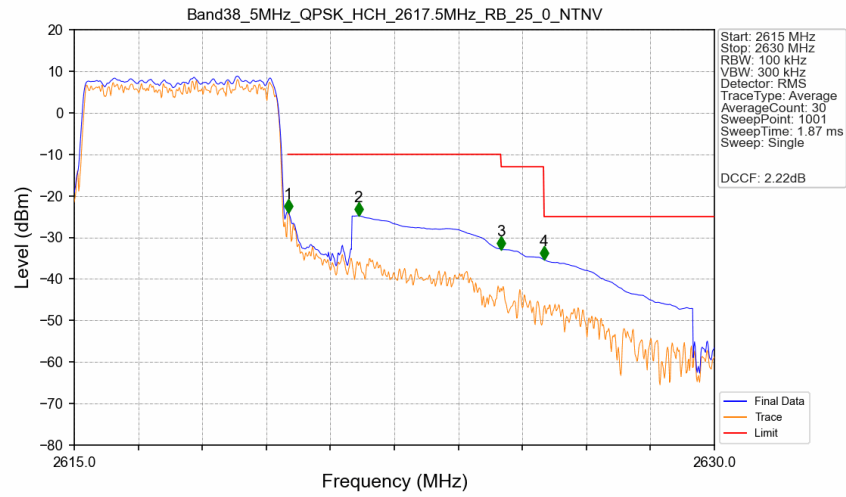


Band38 5MHz QPSK HCH 2617.5MHz RB 1 24 NTV



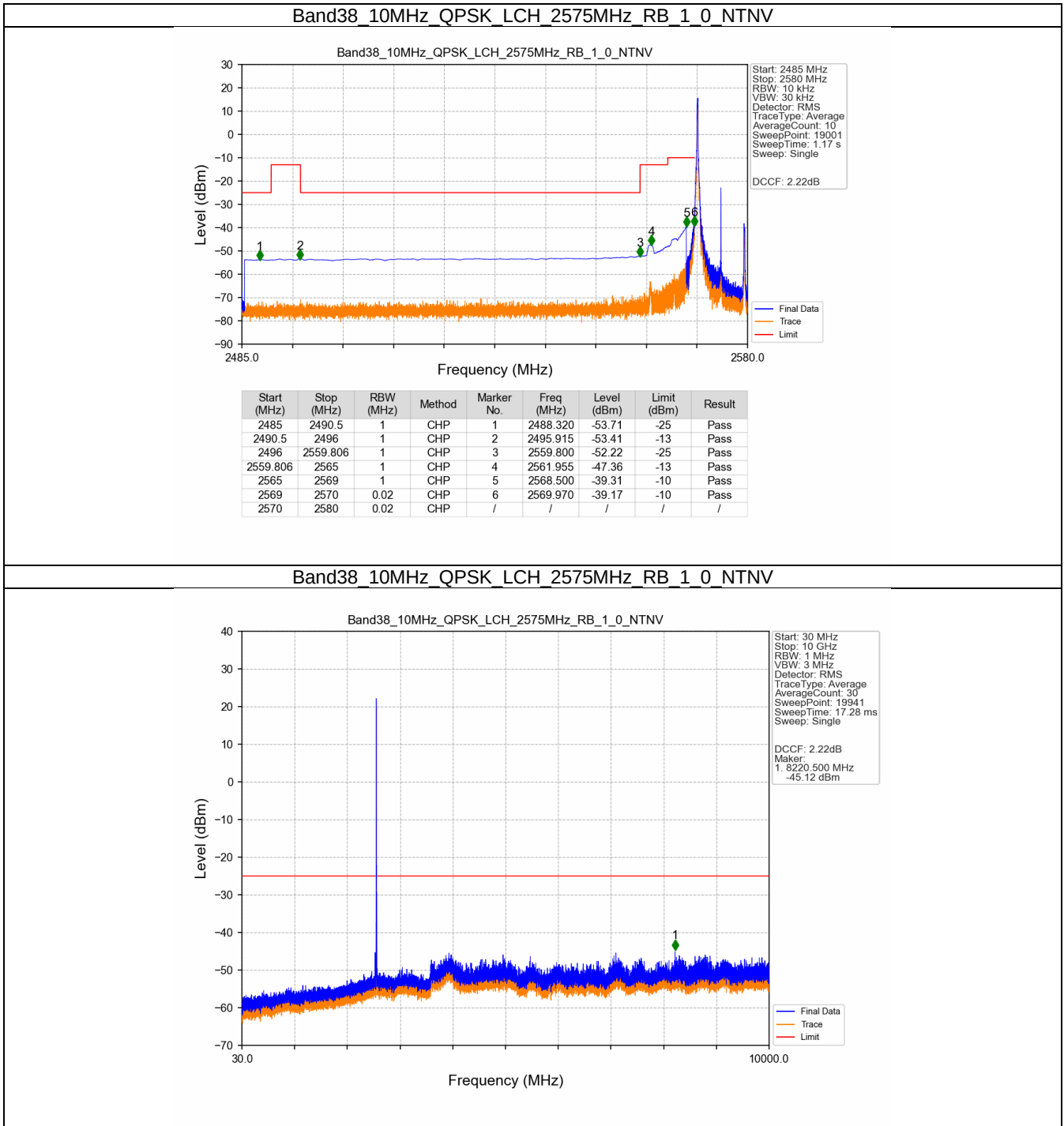
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2615	2620	0.02	CHP	/	/	/	/	/
2620	2621	0.02	CHP	1	2620.005	-26.73	-10	Pass
2621	2625	1	CHP	2	2621.500	-36.59	-10	Pass
2625	2626	1	CHP	3	2625.015	-49.87	-13	Pass
2626	2630	1	CHP	4	2626.005	-50.75	-25	Pass

Band38 5MHz QPSK HCH 2617.5MHz RB 25 0 NTV

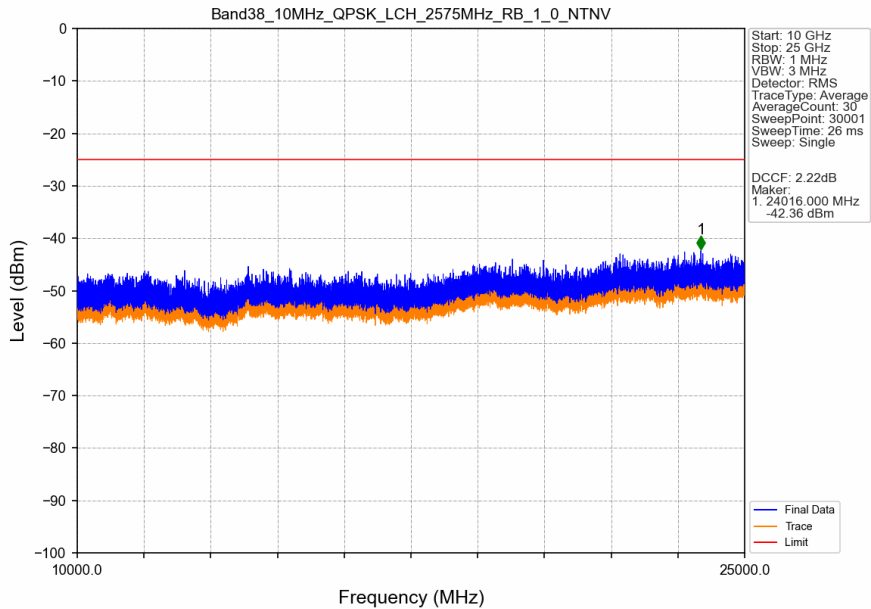


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2615	2620	0.104	CHP	/	/	/	/	/
2620	2621	0.104	CHP	1	2620.010	-23.97	-10	Pass
2621	2625	1	CHP	2	2621.660	-24.79	-10	Pass
2625	2626	1	CHP	3	2625.005	-32.92	-13	Pass
2626	2630	1	CHP	4	2626.010	-35.36	-25	Pass

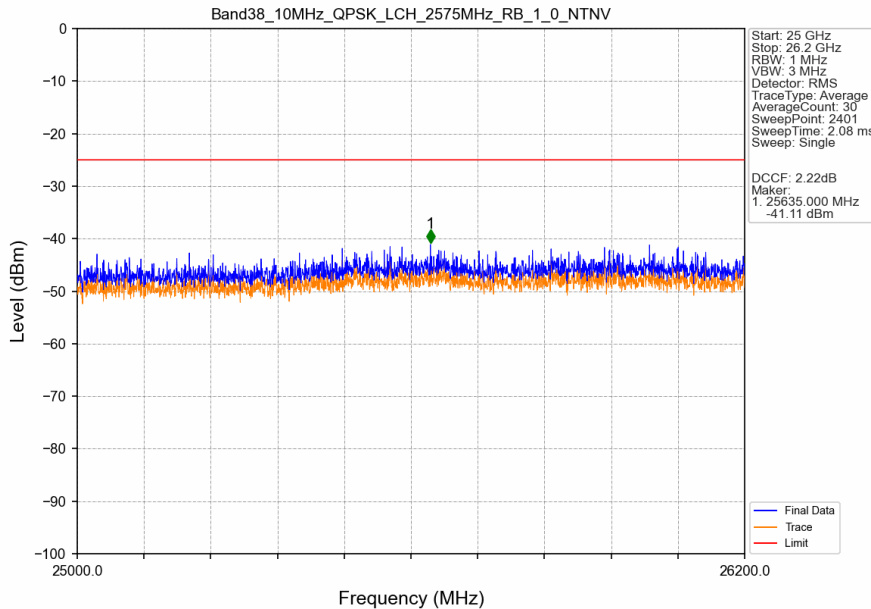
5.2.2 B38_10MHz



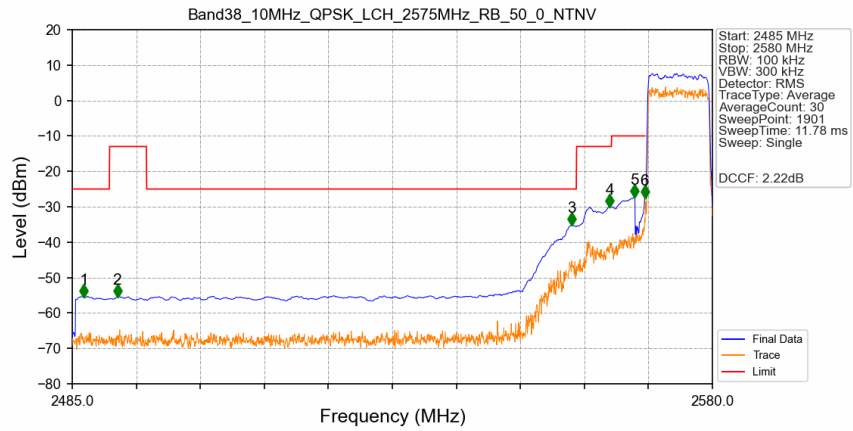
Band38_10MHz_QPSK_LCH_2575MHz_RB_1_0_NTNV



Band38_10MHz_QPSK_LCH_2575MHz_RB_1_0_NTNV

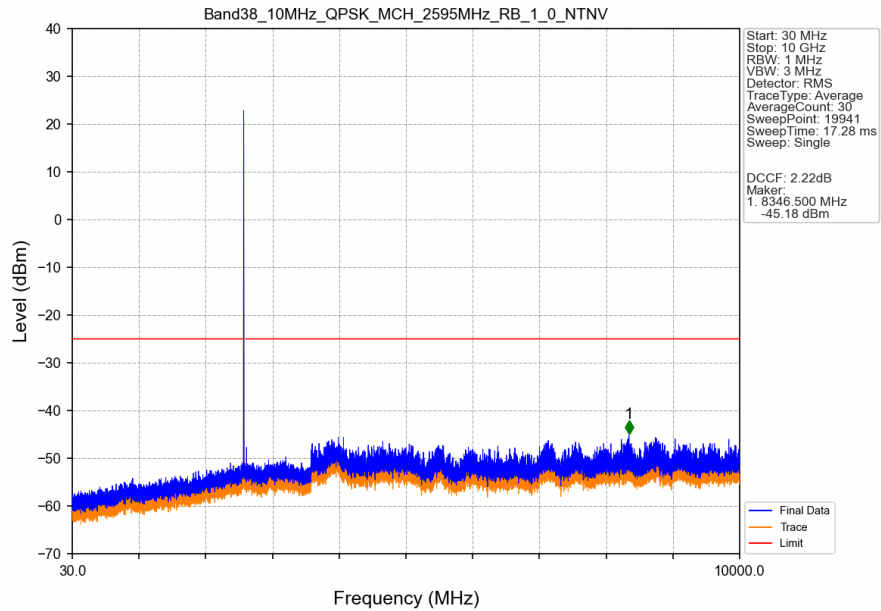


Band38 10MHz QPSK LCH 2575MHz RB 50 0 NTV

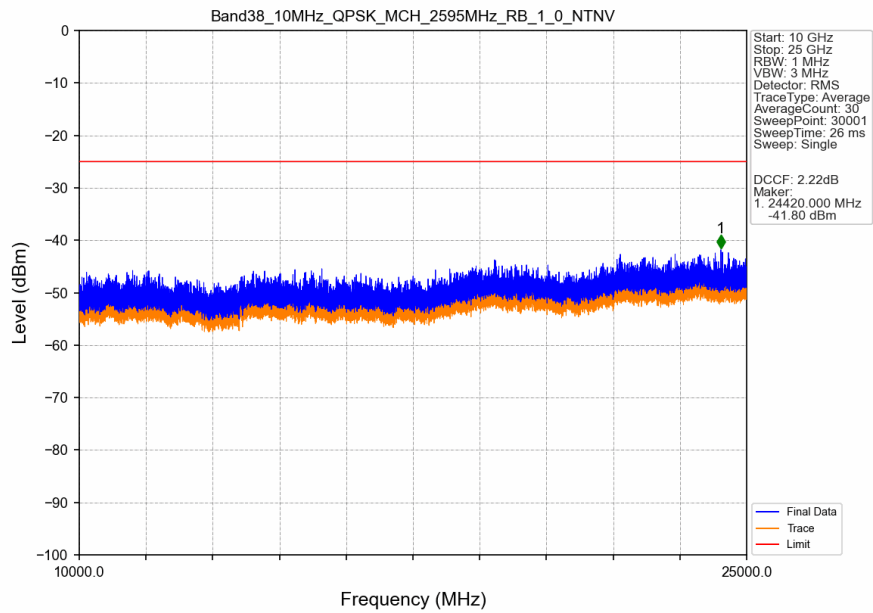


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2486.700	-55.29	-25	Pass
2490.5	2496	1	CHP	2	2491.700	-55.31	-13	Pass
2496	2559.806	1	CHP	3	2559.150	-35.09	-25	Pass
2559.806	2565	1	CHP	4	2564.750	-29.83	-13	Pass
2565	2569	1	CHP	5	2568.450	-27.13	-10	Pass
2569	2570	0.204	CHP	6	2569.950	-27.39	-10	Pass
2570	2580	0.204	CHP	/	/	/	/	/

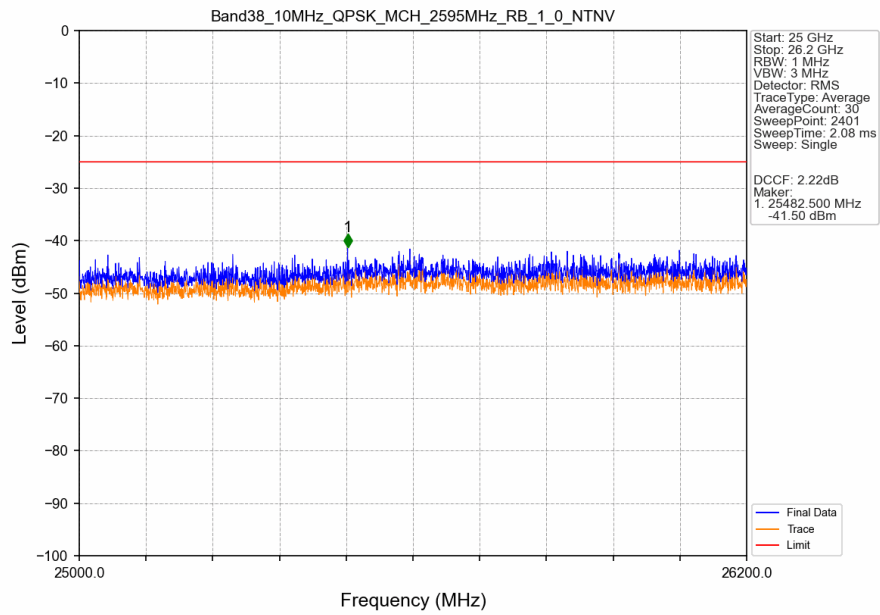
Band38 10MHz QPSK MCH 2595MHz RB 1 0 NTV



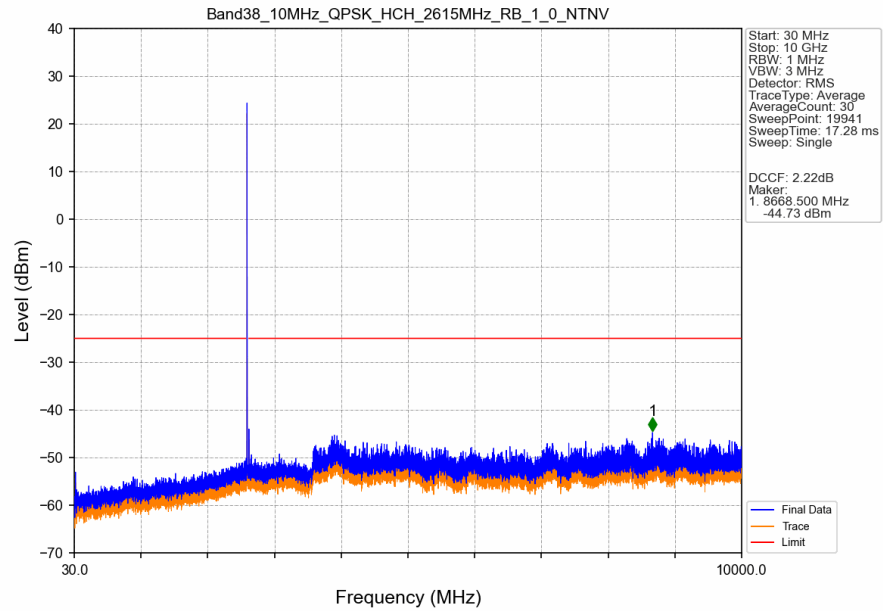
Band38_10MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



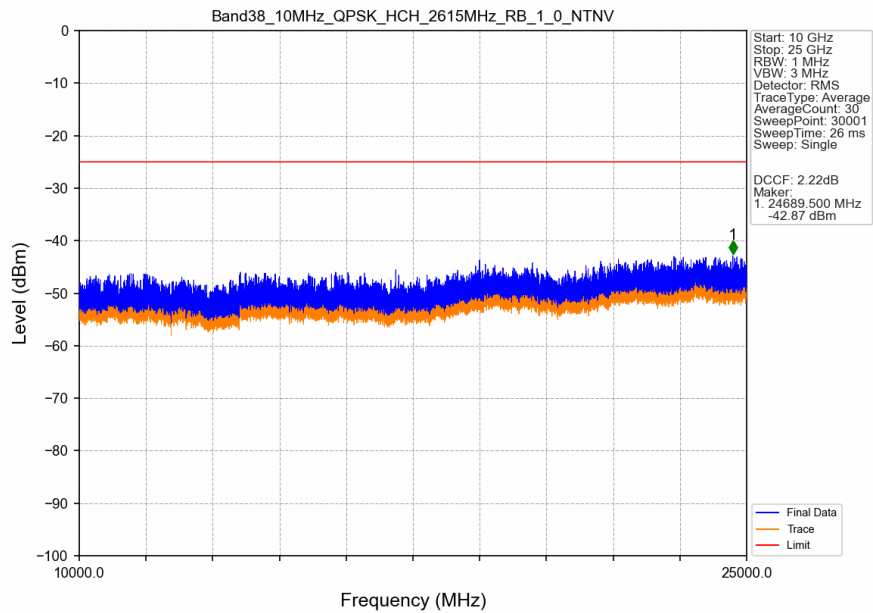
Band38_10MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



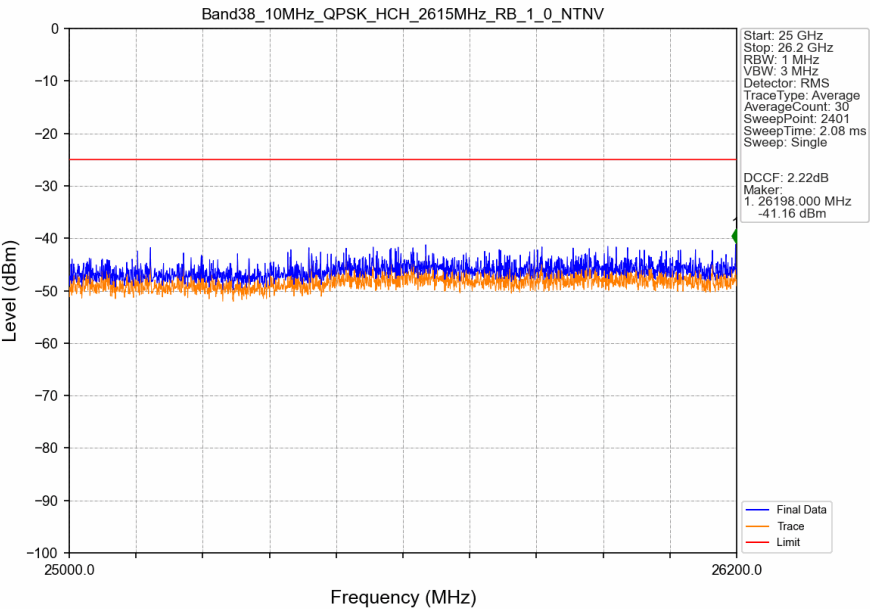
Band38 10MHz QPSK HCH 2615MHz RB 1 0 NTV



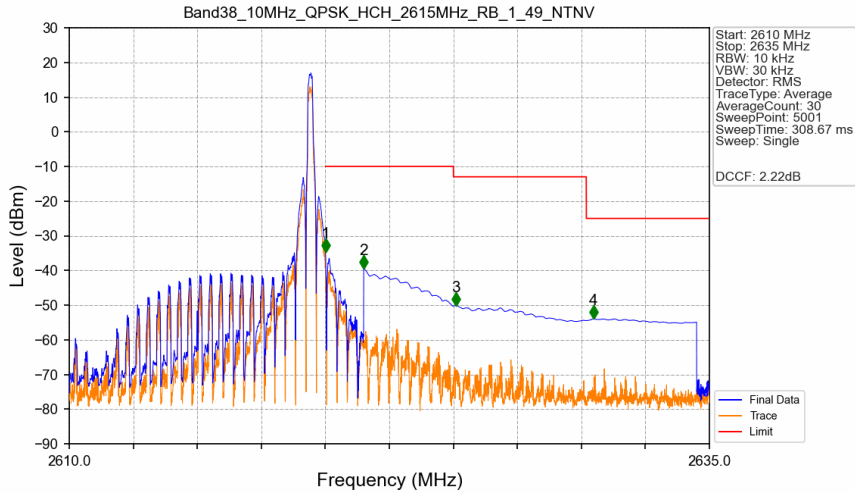
Band38 10MHz QPSK HCH 2615MHz RB 1 0 NTV



Band38 10MHz QPSK HCH 2615MHz RB 1 0 NTNV

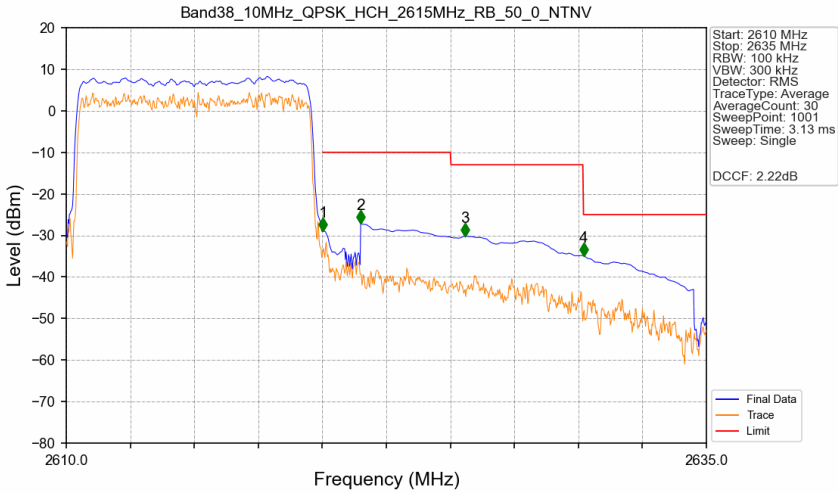


Band38_10MHz_QPSK_HCH_2615MHz_RB_1_49_NTNV



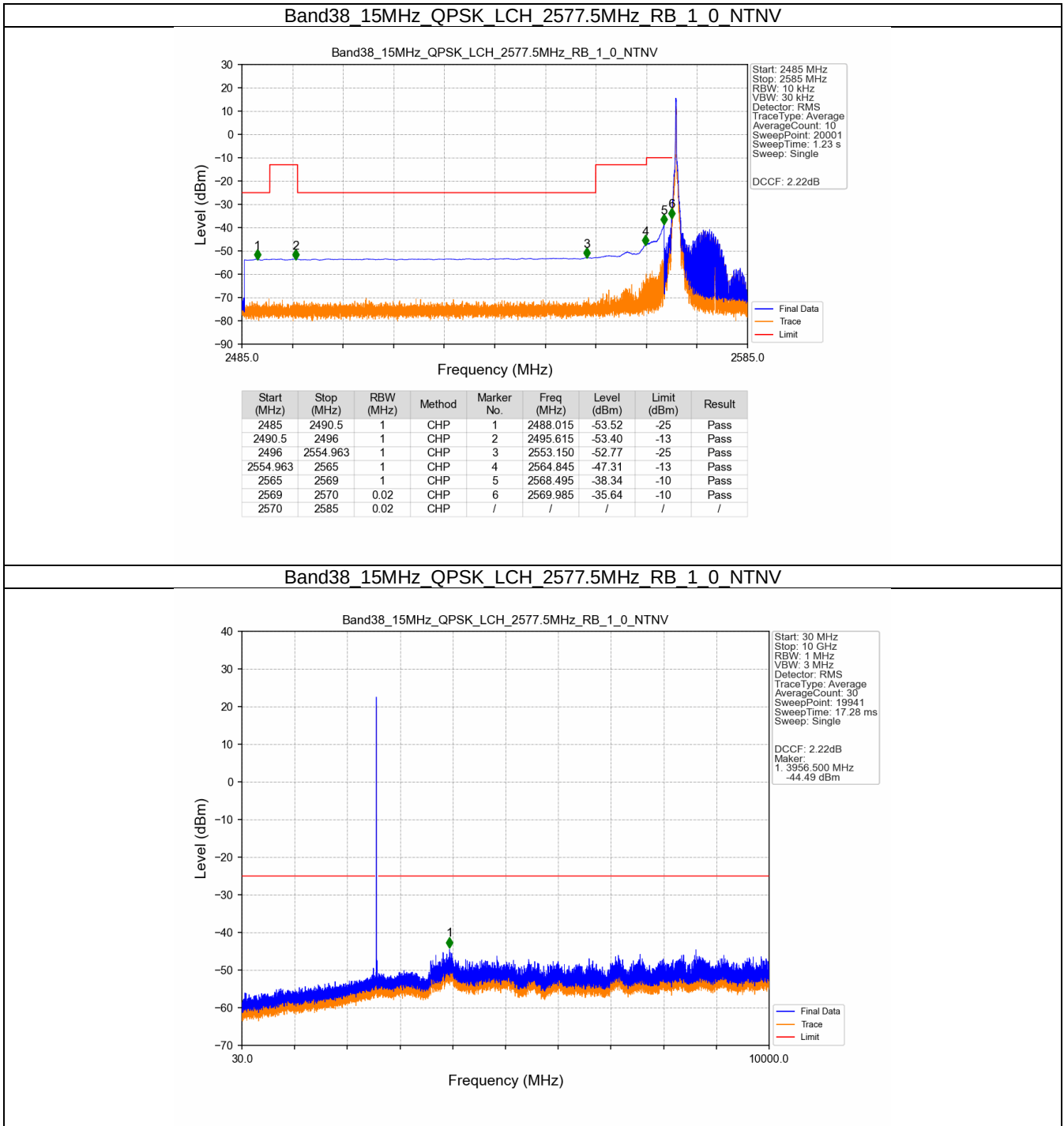
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2610	2620	0.02	CHP	/	/	/	/	/
2620	2621	0.02	CHP	1	2620.005	-34.56	-10	Pass
2621	2625	1	CHP	2	2621.500	-39.45	-10	Pass
2625	2630.194	1	CHP	3	2625.105	-50.06	-13	Pass
2630.194	2635	1	CHP	4	2630.465	-53.97	-25	Pass

Band38 10MHz QPSK HCH 2615MHz RB 50 0 NTV

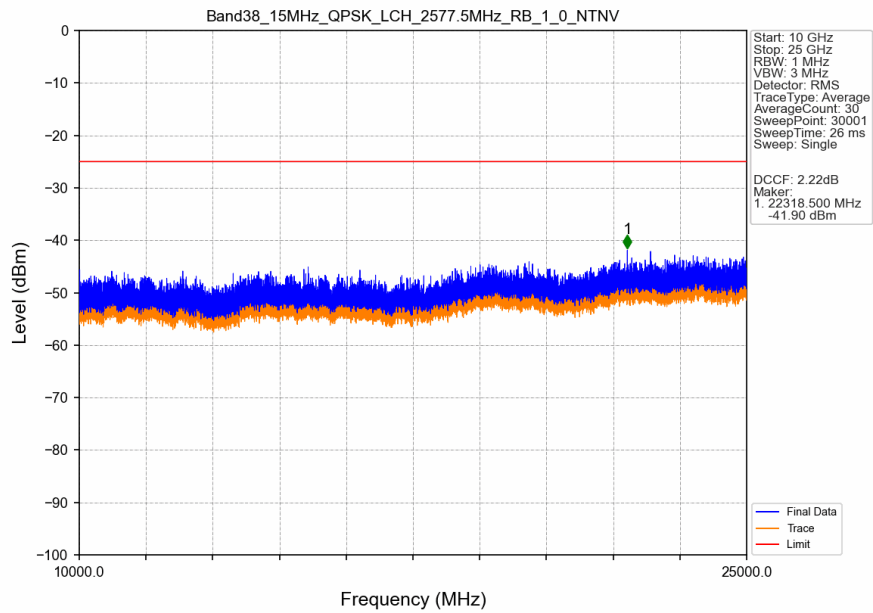


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2610	2620	0.204	CHP	/	/	/	/	/
2620	2621	0.204	CHP	1	2620.025	-28.90	-10	Pass
2621	2625	1	CHP	2	2621.500	-27.11	-10	Pass
2625	2630.194	1	CHP	3	2625.575	-30.20	-13	Pass
2630.194	2635	1	CHP	4	2630.200	-34.90	-25	Pass

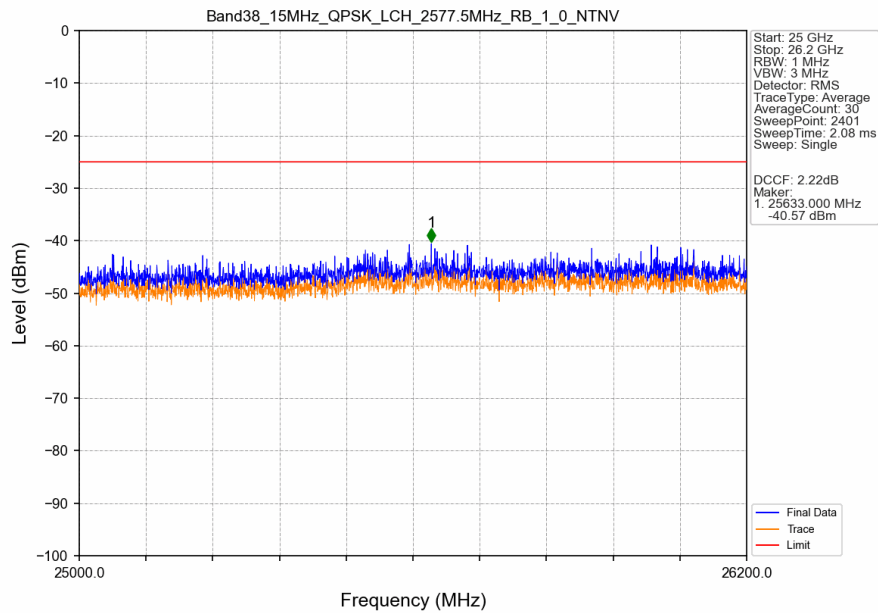
5.2.3 B38_15MHz



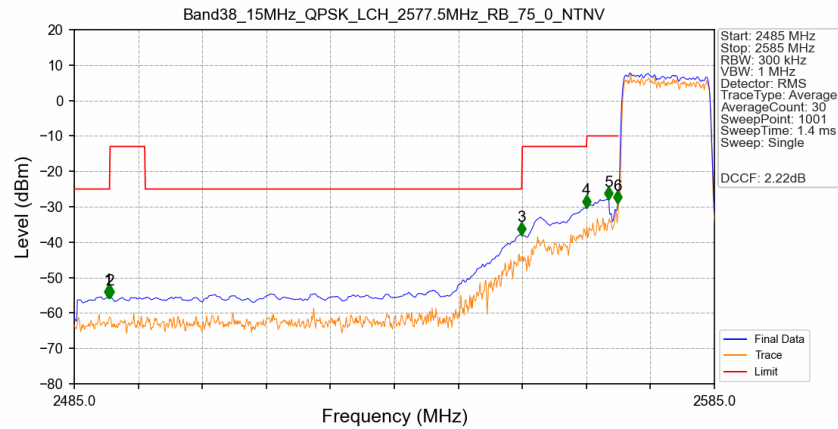
Band38_15MHz_QPSK_LCH_2577.5MHz_RB_1_0_NTNV



Band38_15MHz_QPSK_LCH_2577.5MHz_RB_1_0_NTNV

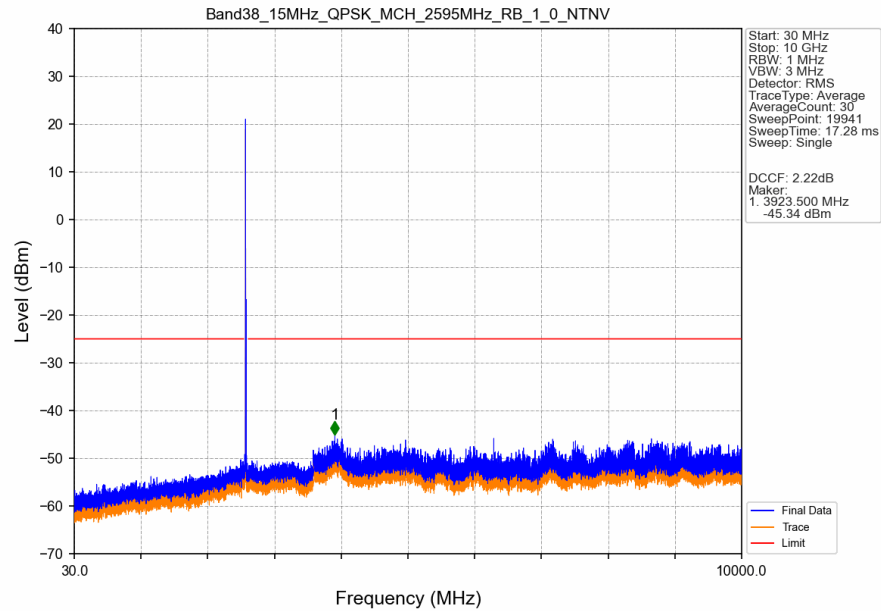


Band38 15MHz QPSK LCH 2577.5MHz RB 75 0 NTN

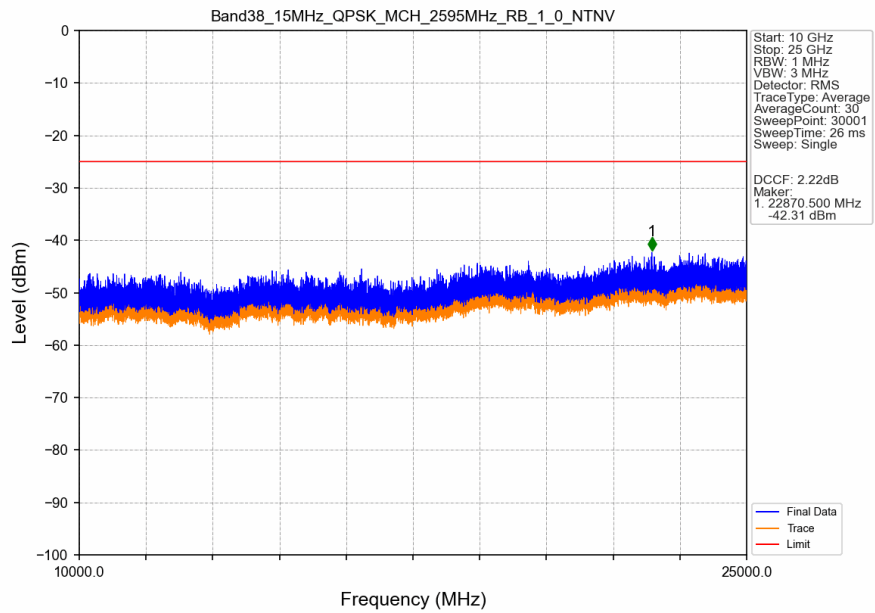


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2490.300	-55.42	-25	Pass
2490.5	2496	1	CHP	2	2490.600	-55.50	-13	Pass
2496	2554.963	1	CHP	3	2554.900	-37.67	-25	Pass
2554.963	2565	1	CHP	4	2565.000	-30.02	-13	Pass
2565	2569	1	CHP	5	2568.400	-27.82	-10	Pass
2569	2570	0.301	CHP	6	2569.900	-28.87	-10	Pass
2570	2585	0.301	CHP	/	/	/	/	/

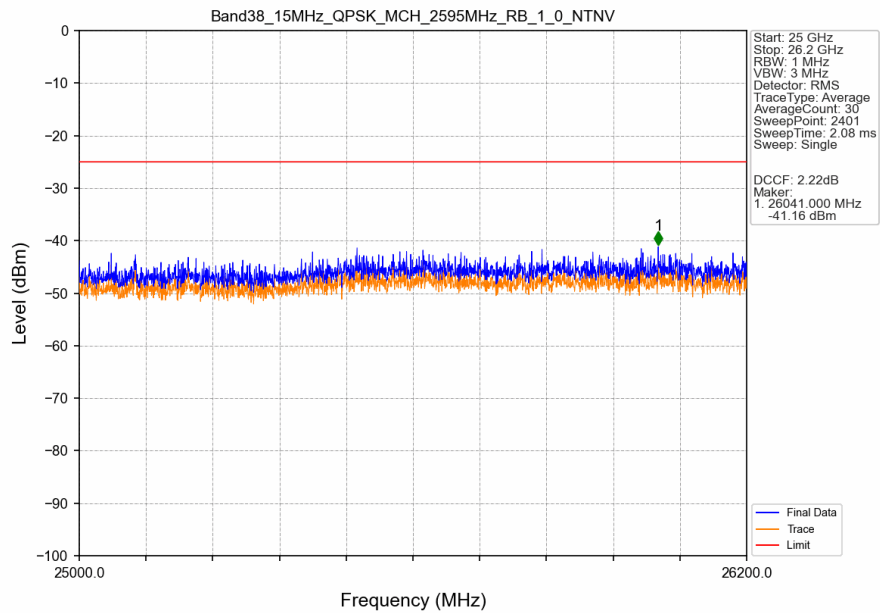
Band38 15MHz QPSK MCH 2595MHz RB 1 0 NTN



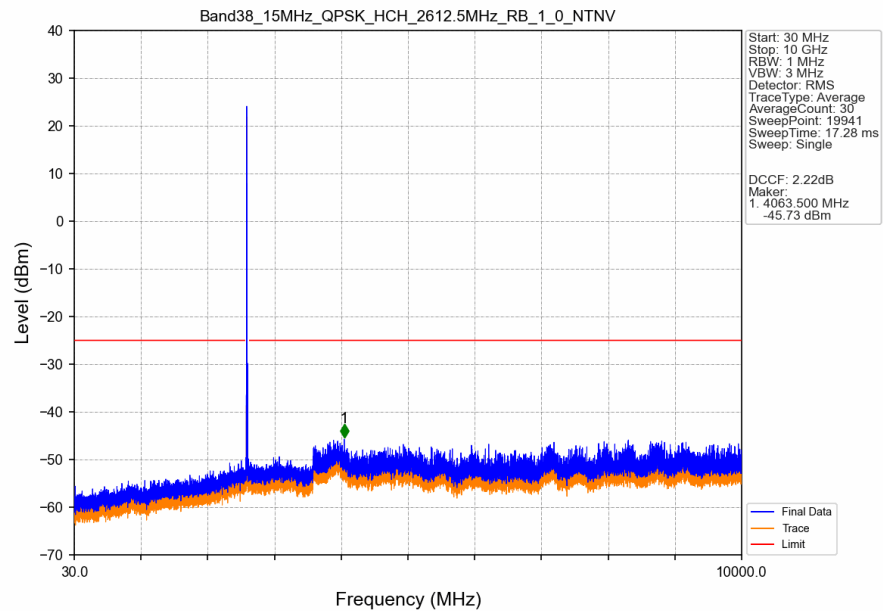
Band38_15MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



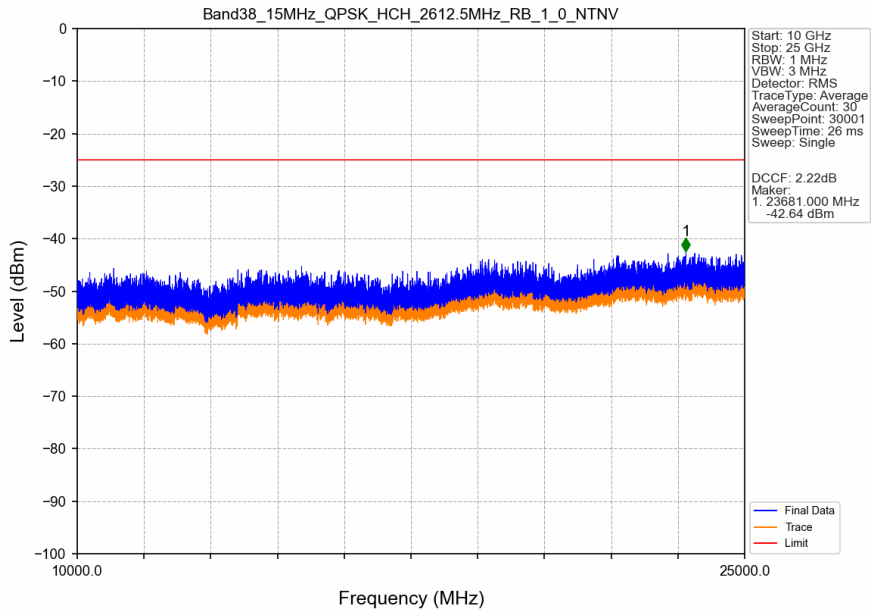
Band38_15MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



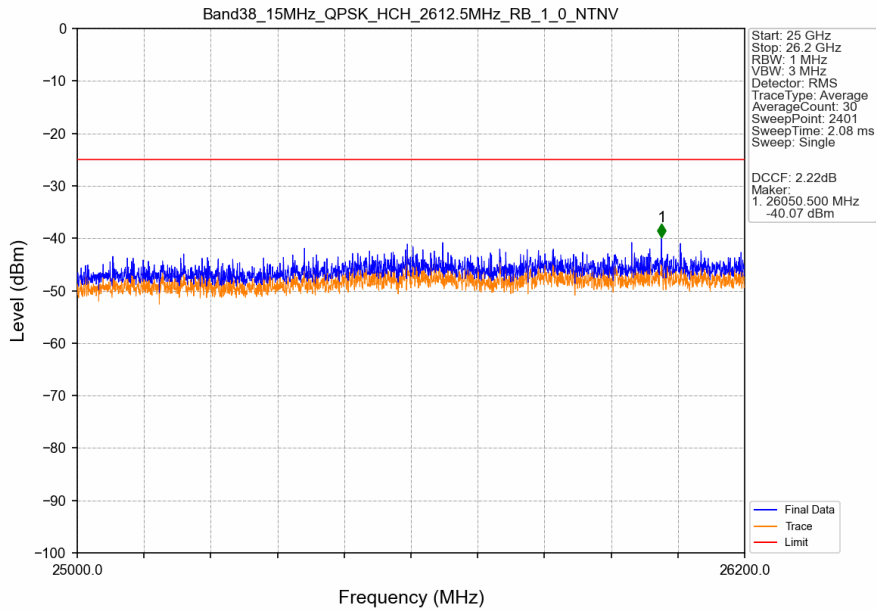
Band38_15MHz_QPSK_HCH_2612.5MHz_RB_1_0_NTNV



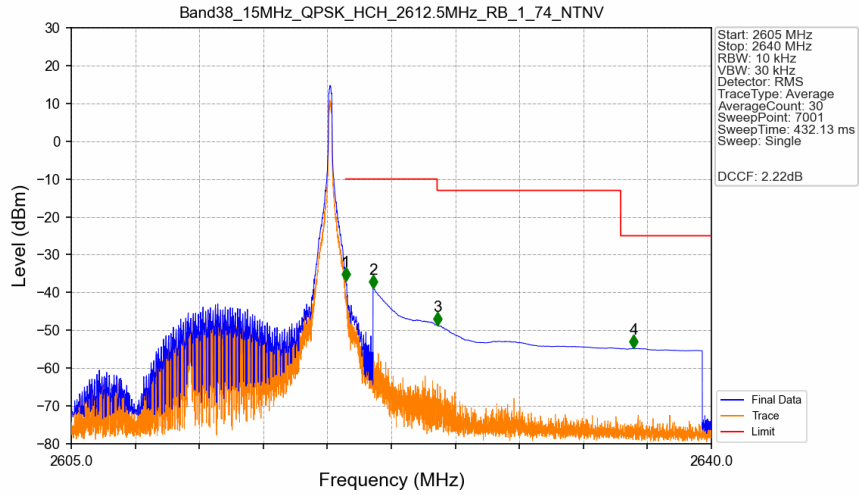
Band38_15MHz_QPSK_HCH_2612.5MHz_RB_1_0_NTNV



Band38 15MHz QPSK HCH 2612.5MHz RB 1 0 NTNV

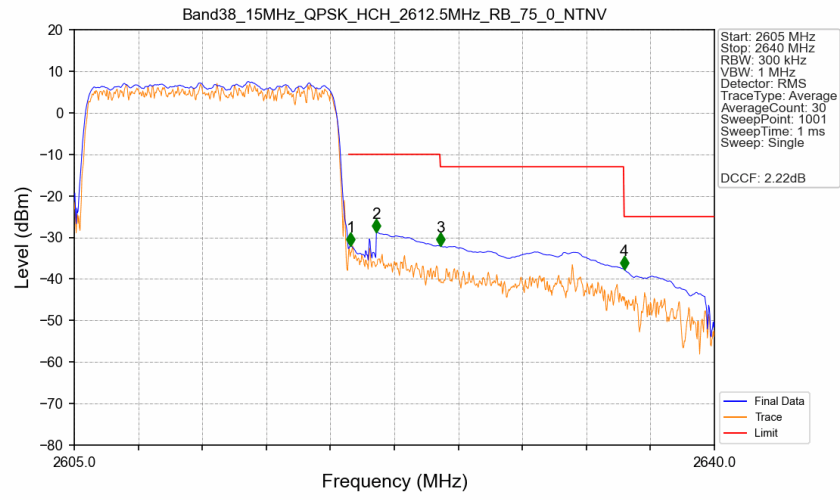


Band38 15MHz QPSK HCH 2612.5MHz RB 1 74 NTNV



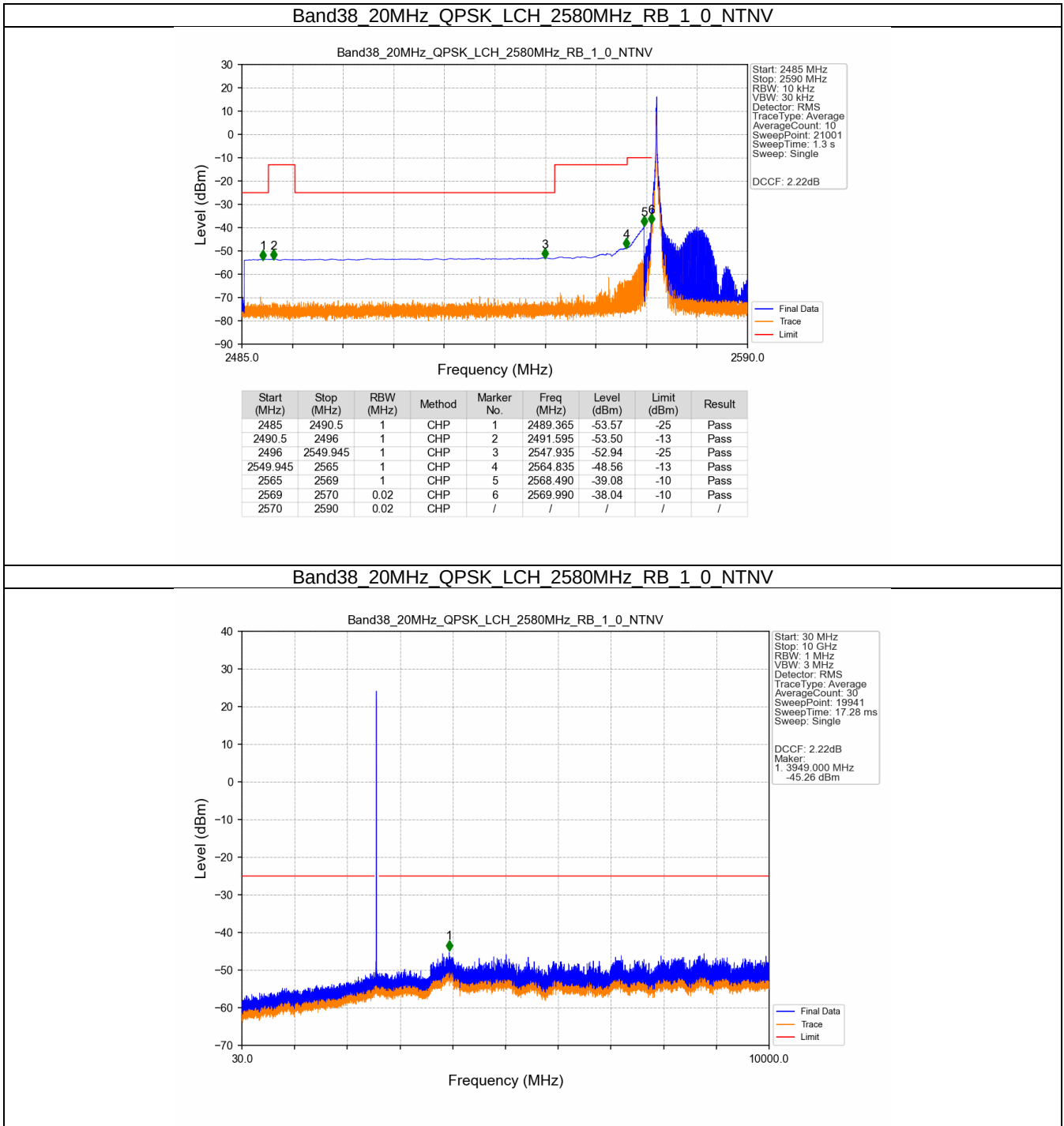
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2605	2620	0.02	CHP	/	/	/	/	/
2620	2621	0.02	CHP	1	2620.010	-36.93	-10	Pass
2621	2625	1	CHP	2	2621.500	-38.91	-10	Pass
2625	2635.037	1	CHP	3	2625.005	-48.77	-13	Pass
2635.037	2640	1	CHP	4	2635.755	-54.79	-25	Pass

Band38 15MHz QPSK HCH 2612.5MHz RB 75 0 NTN

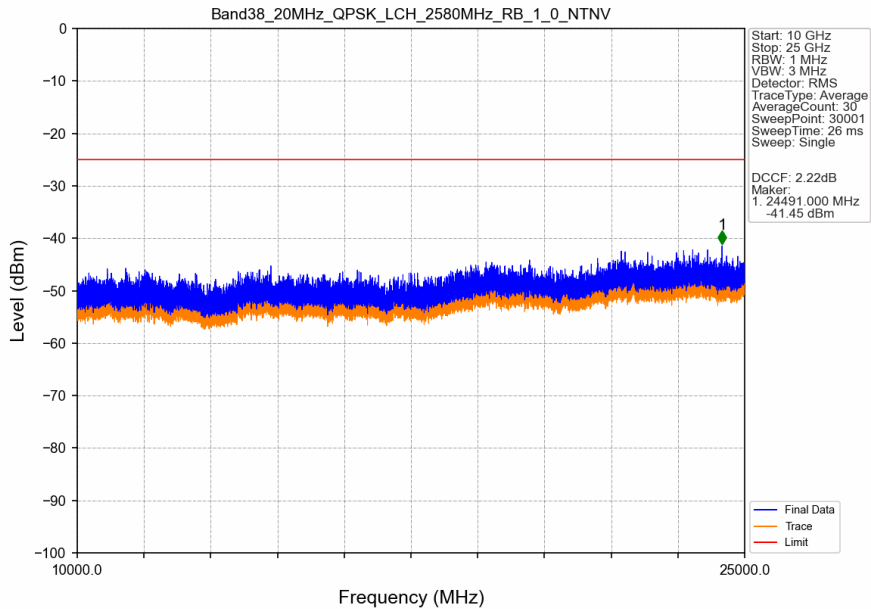


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2605	2620	0.301	CHP	/	/	/	/	/
2620	2621	0.301	CHP	1	2620.120	-32.04	-10	Pass
2621	2625	1	CHP	2	2621.520	-28.73	-10	Pass
2625	2635.037	1	CHP	3	2625.020	-32.11	-13	Pass
2635.037	2640	1	CHP	4	2635.065	-37.70	-25	Pass

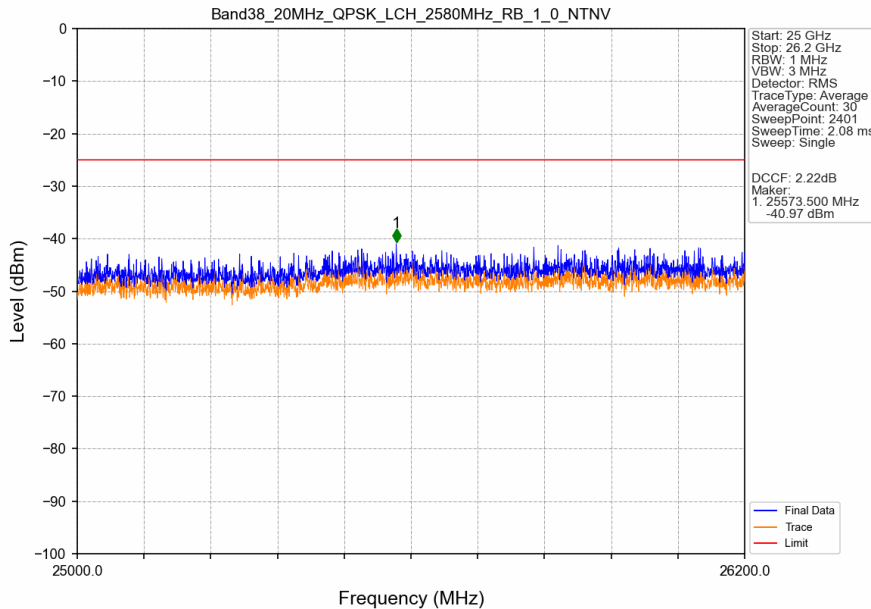
5.2.4 B38_20MHz



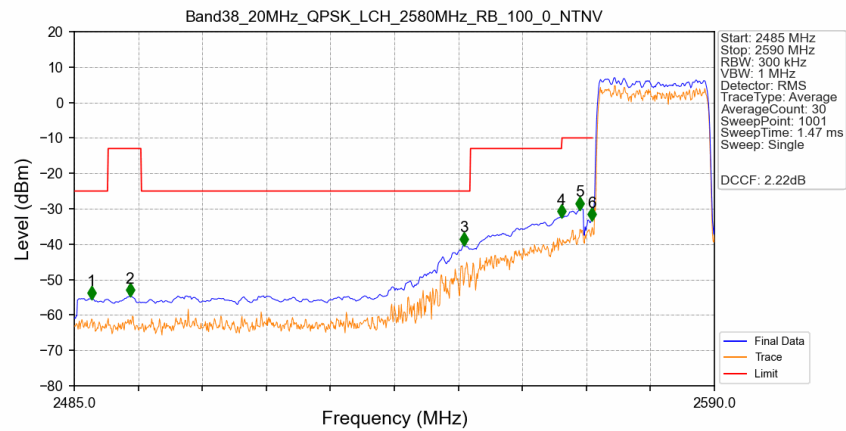
Band38_20MHz_QPSK_LCH_2580MHz_RB_1_0_NTNV



Band38_20MHz_QPSK_LCH_2580MHz_RB_1_0_NTNV

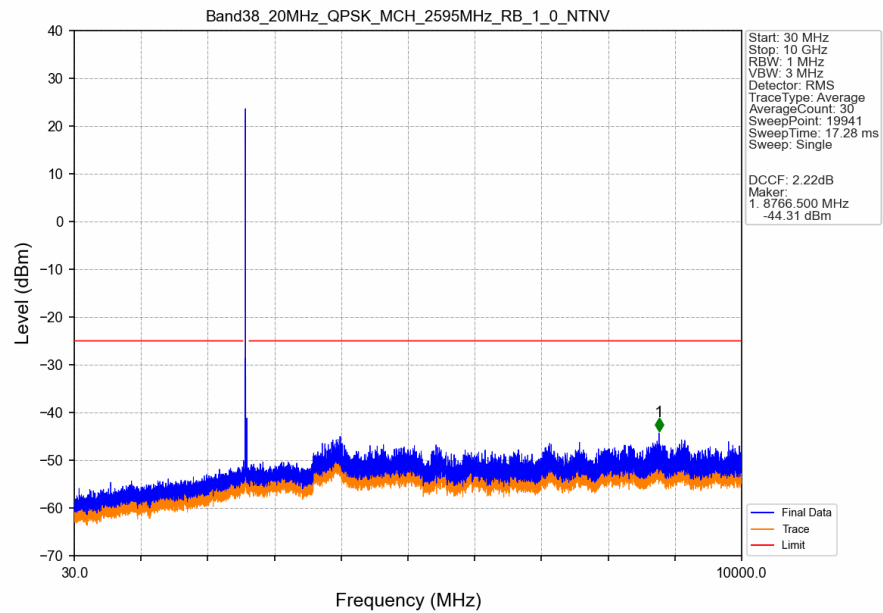


Band38 20MHz QPSK LCH 2580MHz RB 100 0 NTV

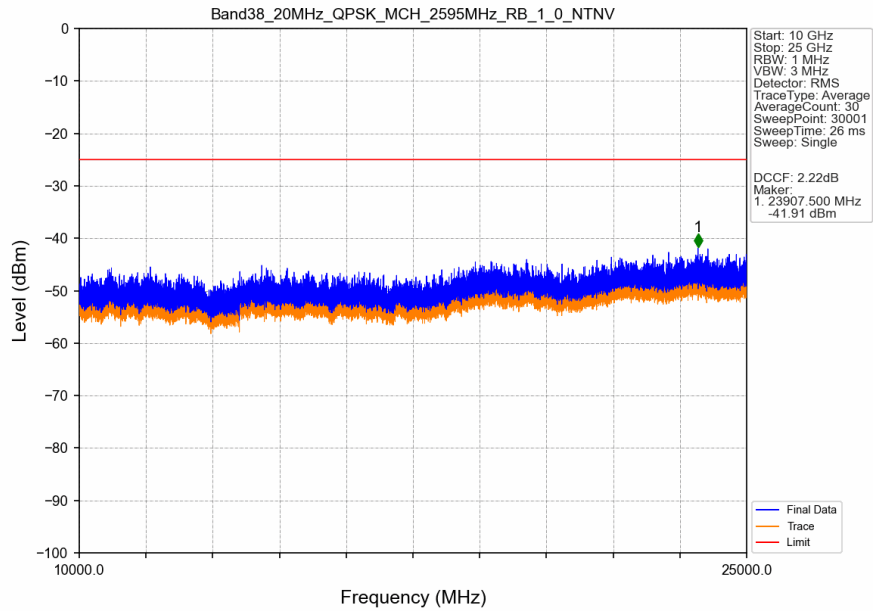


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2487.835	-55.25	-25	Pass
2490.5	2496	1	CHP	2	2494.135	-54.49	-13	Pass
2496	2549.945	1	CHP	3	2548.945	-40.07	-25	Pass
2549.945	2565	1	CHP	4	2564.905	-32.29	-13	Pass
2565	2569	1	CHP	5	2567.950	-30.02	-10	Pass
2569	2570	0.401	CHP	6	2569.945	-33.17	-10	Pass
2570	2590	0.401	CHP	/	/	/	/	/

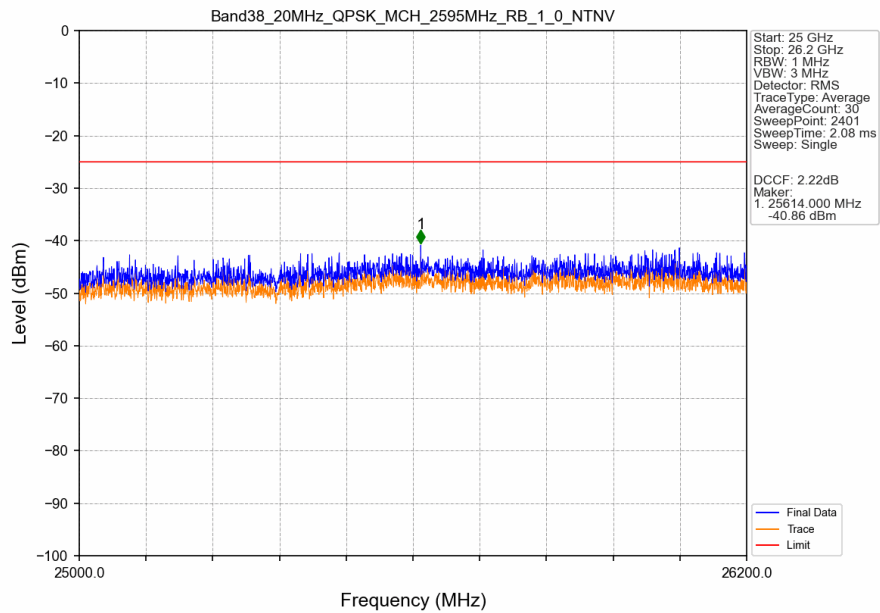
Band38 20MHz QPSK MCH 2595MHz RB 1 0 NTV



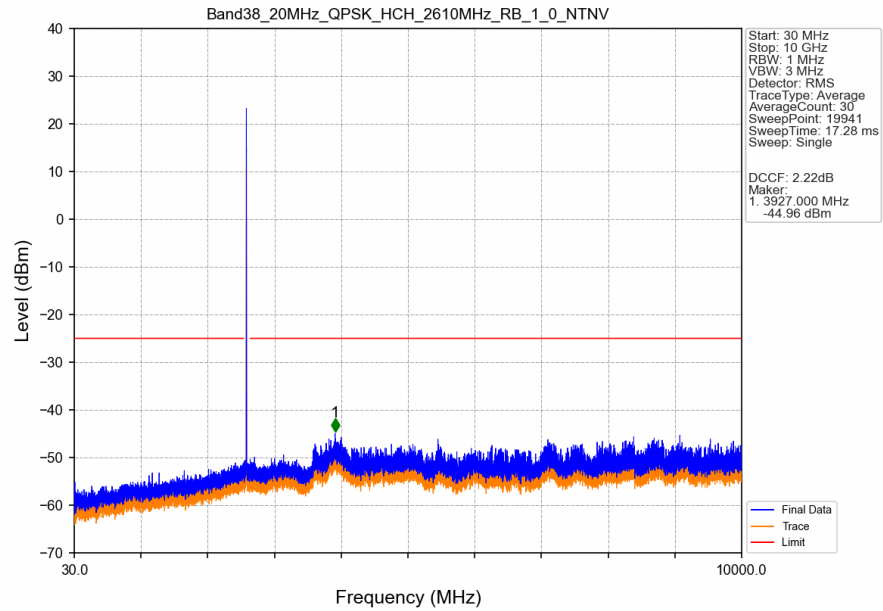
Band38_20MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



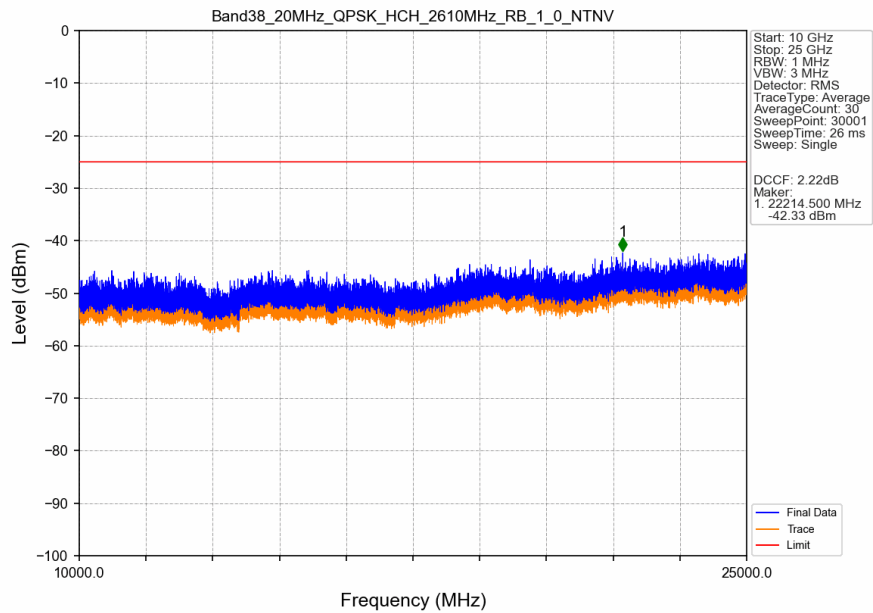
Band38_20MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



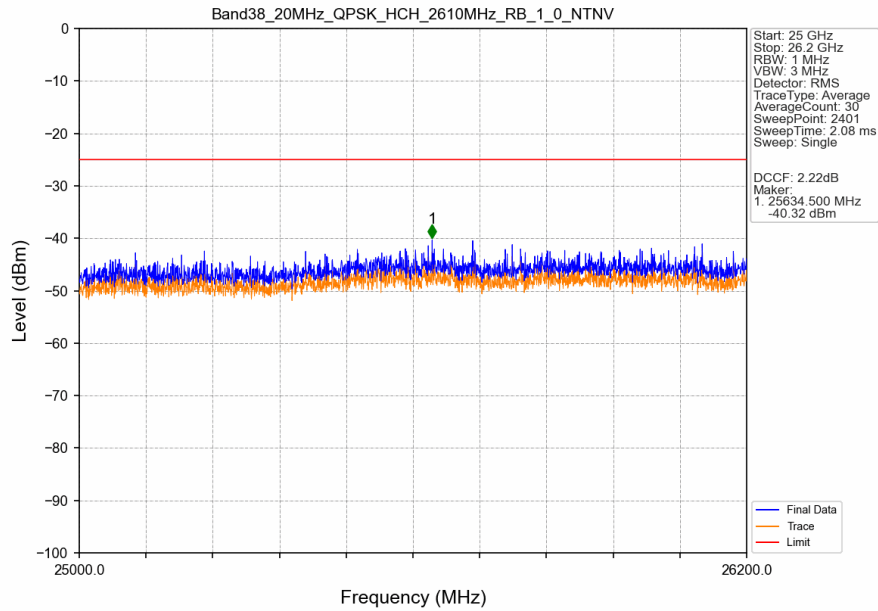
Band38 20MHz QPSK HCH 2610MHz RB 1 0 NTNV



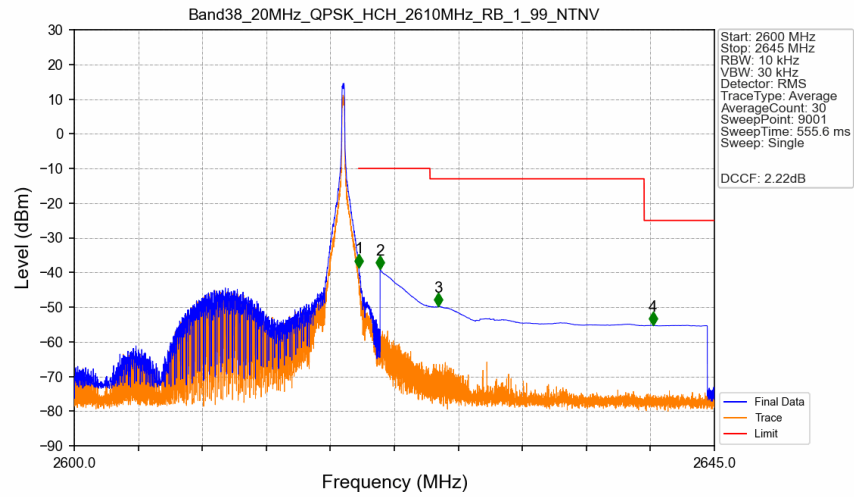
Band38 20MHz QPSK HCH 2610MHz RB 1 0 NTNV



Band38 20MHz QPSK HCH 2610MHz RB 1 0 NTNV

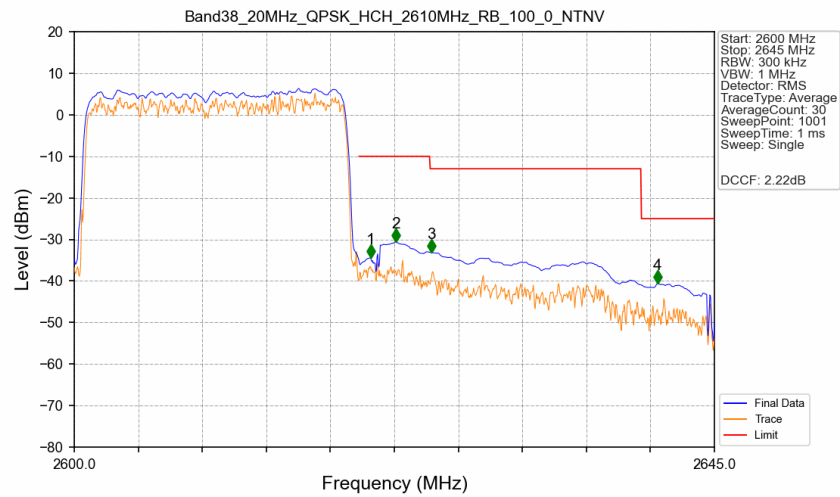


Band38 20MHz QPSK HCH 2610MHz RB 1 99 NTNV



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	-38.46	-10	Pass
2621	2625	1	CHP	2	2621.500	-39.09	-10	Pass
2625	2640.055	1	CHP	3	2625.580	-49.80	-13	Pass
2640.055	2645	1	CHP	4	2640.670	-55.25	-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	0.397	CHP	/	/	/	/	/
2620	2621	0.397	CHP	1	2620.835	-34.45	-10	Pass
2621	2625	1	CHP	2	2622.590	-30.58	-10	Pass
2625	2639.851	1	CHP	3	2625.110	-33.15	-13	Pass
2639.851	2645	1	CHP	4	2640.995	-40.64	-25	Pass

6. Field Strength of Spurious Radiation

LTE Band 38 ANT41-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	-62.44	-25	-37.44	-68.05	4.62	10.23	Horizontal	Pass
7713.0	-59.73	-25	-34.73	-66.76	4.96	11.99	Horizontal	Pass
10284.0	-56.81	-25	-31.81	-64.38	5.51	13.08	Horizontal	Pass
5142.0	-63.25	-25	-38.25	-68.86	4.62	10.23	Vertical	Pass
7713.0	-60.05	-25	-35.05	-67.08	4.96	11.99	Vertical	Pass
10284.0	-57.01	-25	-32.01	-64.58	5.51	13.08	Vertical	Pass

LTE Band 38 ANT41-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	-62.92	-25	-37.92	-68.54	4.63	10.25	Horizontal	Pass
7758.0	-59.2	-25	-34.2	-66.28	4.96	12.04	Horizontal	Pass
10344.0	-56.46	-25	-31.46	-64.03	5.52	13.09	Horizontal	Pass
5172.0	-63.39	-25	-38.39	-69.01	4.63	10.25	Vertical	Pass
7758.0	-59.7	-25	-34.7	-66.78	4.96	12.04	Vertical	Pass
10344.0	-56.43	-25	-31.43	-64.0	5.52	13.09	Vertical	Pass

LTE Band 38 ANT41-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	-63.8	-25	-38.8	-69.44	4.63	10.27	Horizontal	Pass
7803.0	-59.44	-25	-34.44	-66.58	4.96	12.1	Horizontal	Pass
10404.0	-57.03	-25	-32.03	-64.61	5.52	13.1	Horizontal	Pass
5202.0	-63.71	-25	-38.71	-69.35	4.63	10.27	Vertical	Pass
7803.0	-59.64	-25	-34.64	-66.78	4.96	12.1	Vertical	Pass
10404.0	-56.5	-25	-31.5	-64.08	5.52	13.1	Vertical	Pass