

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 B41_5MHz_EIRP

Band: 41 / Bandwidth: 5MHz / NTVN								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	2498.5	1	0	24.88	-0.15	24.73	<=33.01	Pass
			24	24.73	-0.15	24.58	<=33.01	Pass
		25	0	24.40	-0.15	24.25	<=33.01	Pass
	2593	1	0	24.30	-0.15	24.15	<=33.01	Pass
			24	24.32	-0.15	24.17	<=33.01	Pass
		25	0	24.01	-0.15	23.86	<=33.01	Pass
	2687.5	1	0	24.32	-0.15	24.17	<=33.01	Pass
			24	24.29	-0.15	24.14	<=33.01	Pass
		25	0	24.01	-0.15	23.86	<=33.01	Pass
16QAM	2498.5	1	0	23.89	-0.15	23.74	<=33.01	Pass
			24	24.09	-0.15	23.94	<=33.01	Pass
		25	0	23.27	-0.15	23.12	<=33.01	Pass
	2593	1	0	23.50	-0.15	23.35	<=33.01	Pass
			24	23.47	-0.15	23.32	<=33.01	Pass
		25	0	22.97	-0.15	22.82	<=33.01	Pass
	2687.5	1	0	23.75	-0.15	23.60	<=33.01	Pass
			24	23.62	-0.15	23.47	<=33.01	Pass
		25	0	22.95	-0.15	22.80	<=33.01	Pass
64QAM	2498.5	1	0	23.79	-0.15	23.64	<=33.01	Pass
			24	23.73	-0.15	23.58	<=33.01	Pass
		25	0	23.15	-0.15	23.00	<=33.01	Pass
	2593	1	0	23.88	-0.15	23.73	<=33.01	Pass
			24	23.72	-0.15	23.57	<=33.01	Pass
		25	0	22.97	-0.15	22.82	<=33.01	Pass
	2687.5	1	0	23.71	-0.15	23.56	<=33.01	Pass
			24	23.58	-0.15	23.43	<=33.01	Pass
		25	0	23.04	-0.15	22.89	<=33.01	Pass
256QAM	2498.5	1	0	21.06	-0.15	20.91	<=33.01	Pass
			24	20.65	-0.15	20.50	<=33.01	Pass
		25	0	21.20	-0.15	21.05	<=33.01	Pass
	2593	1	0	21.06	-0.15	20.91	<=33.01	Pass
			24	20.61	-0.15	20.46	<=33.01	Pass
		25	0	20.95	-0.15	20.80	<=33.01	Pass
	2687.5	1	0	20.81	-0.15	20.66	<=33.01	Pass
			24	20.77	-0.15	20.62	<=33.01	Pass
		25	0	21.00	-0.15	20.85	<=33.01	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.1.2 B41_10MHz_EIRP

Band: 41 / Bandwidth: 10MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	2501	1	0	24.49	-0.15	24.34	<=33.01	Pass
			49	24.52	-0.15	24.37	<=33.01	Pass
		50	0	24.24	-0.15	24.09	<=33.01	Pass
	2593	1	0	24.30	-0.15	24.15	<=33.01	Pass

			49	24.34	-0.15	24.19	<=33.01	Pass
		50	0	23.91	-0.15	23.76	<=33.01	Pass
	2685	1	0	24.42	-0.15	24.27	<=33.01	Pass
			49	24.45	-0.15	24.30	<=33.01	Pass
		50	0	24.04	-0.15	23.89	<=33.01	Pass
16QAM	2501	1	0	23.91	-0.15	23.76	<=33.01	Pass
			49	23.77	-0.15	23.62	<=33.01	Pass
		50	0	23.22	-0.15	23.07	<=33.01	Pass
	2593	1	0	23.75	-0.15	23.60	<=33.01	Pass
			49	23.50	-0.15	23.35	<=33.01	Pass
		50	0	22.97	-0.15	22.82	<=33.01	Pass
	2685	1	0	23.55	-0.15	23.40	<=33.01	Pass
			49	23.65	-0.15	23.50	<=33.01	Pass
		50	0	22.97	-0.15	22.82	<=33.01	Pass
64QAM	2501	1	0	23.98	-0.15	23.83	<=33.01	Pass
			49	23.82	-0.15	23.67	<=33.01	Pass
		50	0	23.24	-0.15	23.09	<=33.01	Pass
	2593	1	0	23.59	-0.15	23.44	<=33.01	Pass
			49	23.77	-0.15	23.62	<=33.01	Pass
		50	0	22.79	-0.15	22.64	<=33.01	Pass
	2685	1	0	23.58	-0.15	23.43	<=33.01	Pass
			49	23.49	-0.15	23.34	<=33.01	Pass
		50	0	23.02	-0.15	22.87	<=33.01	Pass
256QAM	2501	1	0	20.84	-0.15	20.69	<=33.01	Pass
			49	21.13	-0.15	20.98	<=33.01	Pass
		50	0	21.24	-0.15	21.09	<=33.01	Pass
	2593	1	0	20.60	-0.15	20.45	<=33.01	Pass
			49	20.78	-0.15	20.63	<=33.01	Pass
		50	0	20.96	-0.15	20.81	<=33.01	Pass
	2685	1	0	20.50	-0.15	20.35	<=33.01	Pass
			49	20.89	-0.15	20.74	<=33.01	Pass
50		0	21.01	-0.15	20.86	<=33.01	Pass	
Note1: EIRP=Conducted Power+Antenna Gain								

1.1.3 B41_15MHz_EIRP

Band: 41 / Bandwidth: 15MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	2503.5	1	0	24.48	-0.15	24.33	<=33.01	Pass
			74	24.50	-0.15	24.35	<=33.01	Pass
		75	0	24.12	-0.15	23.97	<=33.01	Pass
	2593	1	0	24.30	-0.15	24.15	<=33.01	Pass
			74	24.27	-0.15	24.12	<=33.01	Pass
		75	0	23.79	-0.15	23.64	<=33.01	Pass
	2682.5	1	0	24.21	-0.15	24.06	<=33.01	Pass
			74	24.37	-0.15	24.22	<=33.01	Pass
		75	0	23.87	-0.15	23.72	<=33.01	Pass
16QAM	2503.5	1	0	23.53	-0.15	23.38	<=33.01	Pass
			74	23.73	-0.15	23.58	<=33.01	Pass
		75	0	23.09	-0.15	22.94	<=33.01	Pass
	2593	1	0	23.54	-0.15	23.39	<=33.01	Pass
			74	23.46	-0.15	23.31	<=33.01	Pass
		75	0	22.60	-0.15	22.45	<=33.01	Pass
	2682.5	1	0	23.48	-0.15	23.33	<=33.01	Pass
			74	23.63	-0.15	23.48	<=33.01	Pass
		75	0	22.53	-0.15	22.38	<=33.01	Pass

64QAM	2503.5	1	0	23.49	-0.15	23.34	<=33.01	Pass
			74	23.91	-0.15	23.76	<=33.01	Pass
		75	0	22.91	-0.15	22.76	<=33.01	Pass
	2593	1	0	23.57	-0.15	23.42	<=33.01	Pass
			74	23.24	-0.15	23.09	<=33.01	Pass
		75	0	22.78	-0.15	22.63	<=33.01	Pass
	2682.5	1	0	23.38	-0.15	23.23	<=33.01	Pass
			74	23.22	-0.15	23.07	<=33.01	Pass
		75	0	22.64	-0.15	22.49	<=33.01	Pass
256QAM	2503.5	1	0	20.68	-0.15	20.53	<=33.01	Pass
			74	20.61	-0.15	20.46	<=33.01	Pass
		75	0	21.04	-0.15	20.89	<=33.01	Pass
	2593	1	0	20.69	-0.15	20.54	<=33.01	Pass
			74	20.68	-0.15	20.53	<=33.01	Pass
		75	0	20.82	-0.15	20.67	<=33.01	Pass
	2682.5	1	0	20.42	-0.15	20.27	<=33.01	Pass
			74	20.64	-0.15	20.49	<=33.01	Pass
		75	0	20.87	-0.15	20.72	<=33.01	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.1.4 B41_20MHz_EIRP

Band: 41 / Bandwidth: 20MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	2506	1	0	24.38	-0.15	24.23	<=33.01	Pass
			99	24.19	-0.15	24.04	<=33.01	Pass
		100	0	24.09	-0.15	23.94	<=33.01	Pass
	2593	1	0	24.31	-0.15	24.16	<=33.01	Pass
			99	24.19	-0.15	24.04	<=33.01	Pass
		100	0	23.78	-0.15	23.63	<=33.01	Pass
	2680	1	0	24.20	-0.15	24.05	<=33.01	Pass
			99	24.32	-0.15	24.17	<=33.01	Pass
		100	0	23.86	-0.15	23.71	<=33.01	Pass
16QAM	2506	1	0	23.46	-0.15	23.31	<=33.01	Pass
			99	23.99	-0.15	23.84	<=33.01	Pass
		100	0	23.11	-0.15	22.96	<=33.01	Pass
	2593	1	0	23.77	-0.15	23.62	<=33.01	Pass
			99	23.58	-0.15	23.43	<=33.01	Pass
		100	0	22.55	-0.15	22.40	<=33.01	Pass
	2680	1	0	23.18	-0.15	23.03	<=33.01	Pass
			99	23.27	-0.15	23.12	<=33.01	Pass
		100	0	22.72	-0.15	22.57	<=33.01	Pass
64QAM	2506	1	0	23.61	-0.15	23.46	<=33.01	Pass
			99	23.34	-0.15	23.19	<=33.01	Pass
		100	0	22.80	-0.15	22.65	<=33.01	Pass
	2593	1	0	23.60	-0.15	23.45	<=33.01	Pass
			99	23.26	-0.15	23.11	<=33.01	Pass
		100	0	22.76	-0.15	22.61	<=33.01	Pass
	2680	1	0	23.39	-0.15	23.24	<=33.01	Pass
			99	23.47	-0.15	23.32	<=33.01	Pass
		100	0	22.84	-0.15	22.69	<=33.01	Pass
256QAM	2506	1	0	20.79	-0.15	20.64	<=33.01	Pass
			99	21.07	-0.15	20.92	<=33.01	Pass
		100	0	21.30	-0.15	21.15	<=33.01	Pass
	2593	1	0	20.74	-0.15	20.59	<=33.01	Pass
			99	20.52	-0.15	20.37	<=33.01	Pass

	2680	100	0	20.85	-0.15	20.70	<=33.01	Pass
		1	0	20.63	-0.15	20.48	<=33.01	Pass
			99	20.59	-0.15	20.44	<=33.01	Pass
		100	0	20.82	-0.15	20.67	<=33.01	Pass

Note1: EIRP=Conducted Power+Antenna Gain

2. Frequency Stability

2.1 Test Result

2.1.1 B41_10MHz

Band: 41 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2593	50	0	20	3.6	2.700	0.0010	-2.5 to 2.5	Pass
					3.84	0.200	0.0001	-2.5 to 2.5	Pass
					4.3	-1.600	-0.0006	-2.5 to 2.5	Pass
				-30	3.84	1.200	0.0005	-2.5 to 2.5	Pass
				-20	3.84	-0.700	-0.0003	-2.5 to 2.5	Pass
				-10	3.84	-3.300	-0.0013	-2.5 to 2.5	Pass
				0	3.84	-0.800	-0.0003	-2.5 to 2.5	Pass
				10	3.84	-2.400	-0.0009	-2.5 to 2.5	Pass
				30	3.84	-3.100	-0.0012	-2.5 to 2.5	Pass
				40	3.84	1.200	0.0005	-2.5 to 2.5	Pass
				50	3.84	-0.800	-0.0003	-2.5 to 2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 Band41_OBW

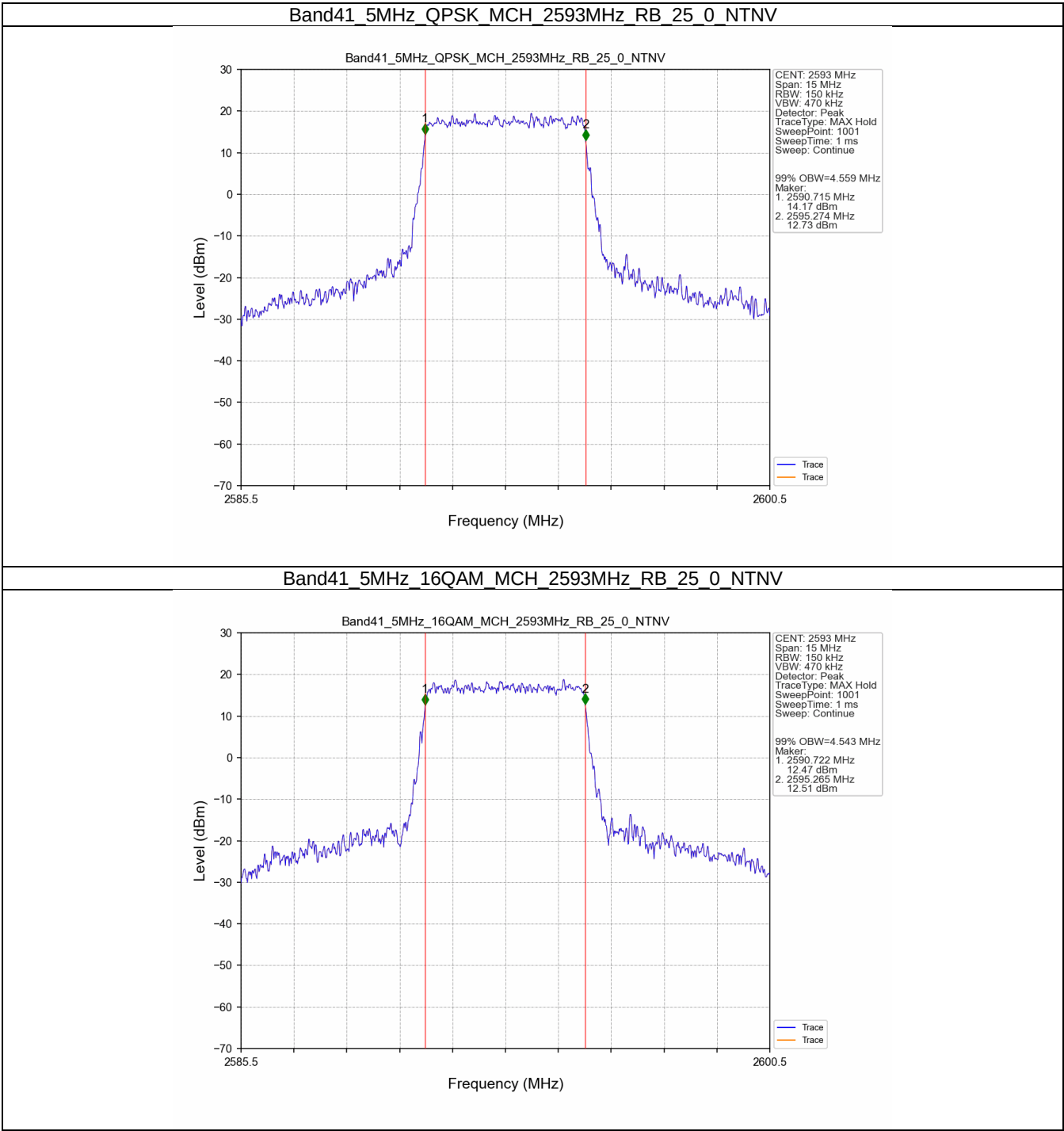
Band: 41 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2593	25	0	4.559	/	Pass
	16QAM	2593	25	0	4.543	/	Pass
10	QPSK	2593	50	0	9.073	/	Pass
	16QAM	2593	50	0	9.072	/	Pass
15	QPSK	2593	75	0	13.617	/	Pass
	16QAM	2593	75	0	13.624	/	Pass
20	QPSK	2593	100	0	18.111	/	Pass
	16QAM	2593	100	0	18.144	/	Pass

3.1.2 Band41_XDB

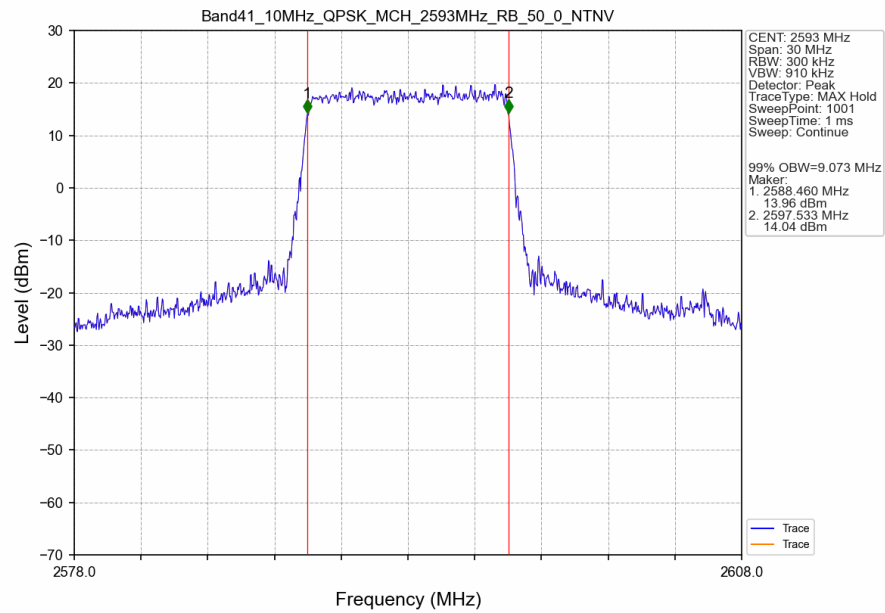
Band: 41 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2593	25	0	5.265	/	Pass
	16QAM	2593	25	0	5.171	/	Pass
10	QPSK	2593	50	0	10.255	/	Pass
	16QAM	2593	50	0	10.121	/	Pass
15	QPSK	2593	75	0	15.102	/	Pass
	16QAM	2593	75	0	15.104	/	Pass
20	QPSK	2593	100	0	19.845	/	Pass
	16QAM	2593	100	0	19.783	/	Pass

3.2 Test Graph

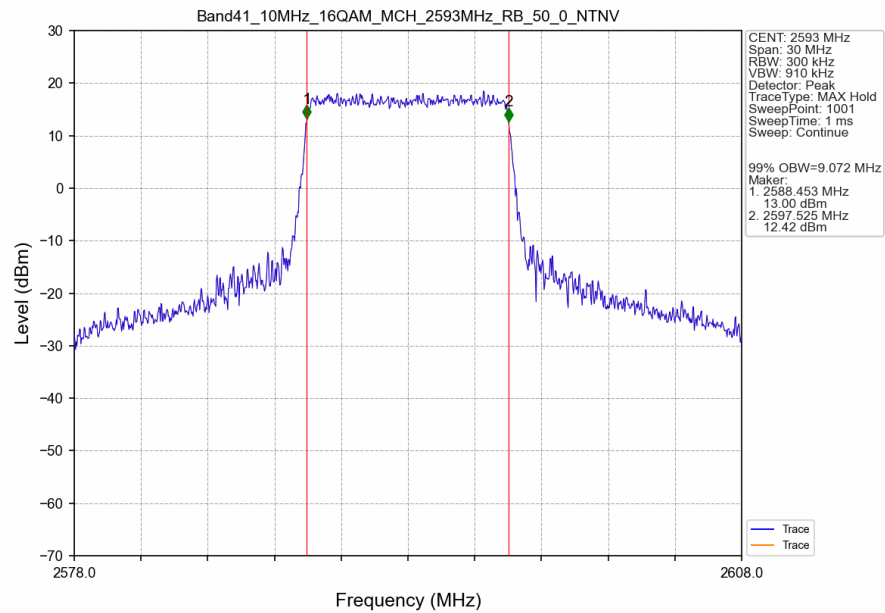
3.2.1 Band41_OBW



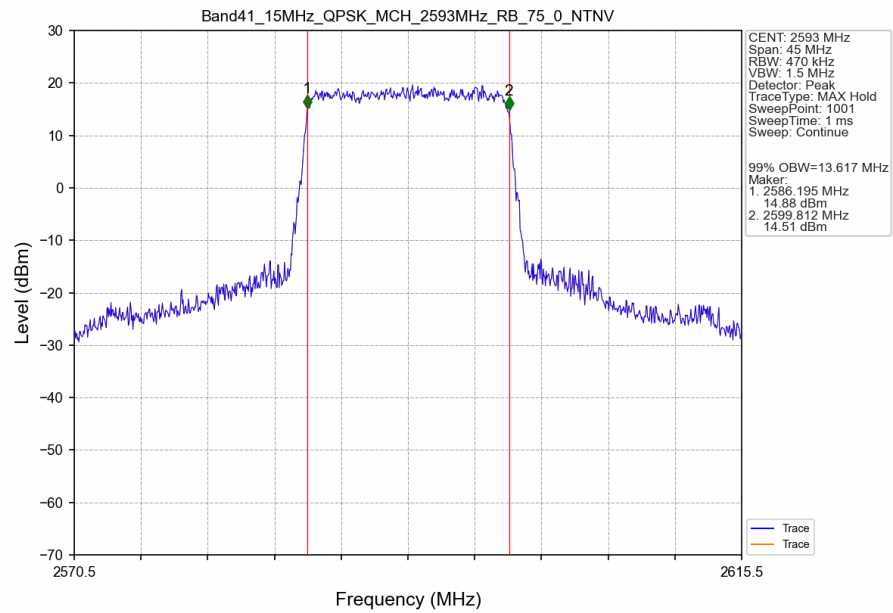
Band41_10MHz_QPSK_MCH_2593MHz_RB_50_0_NTNV



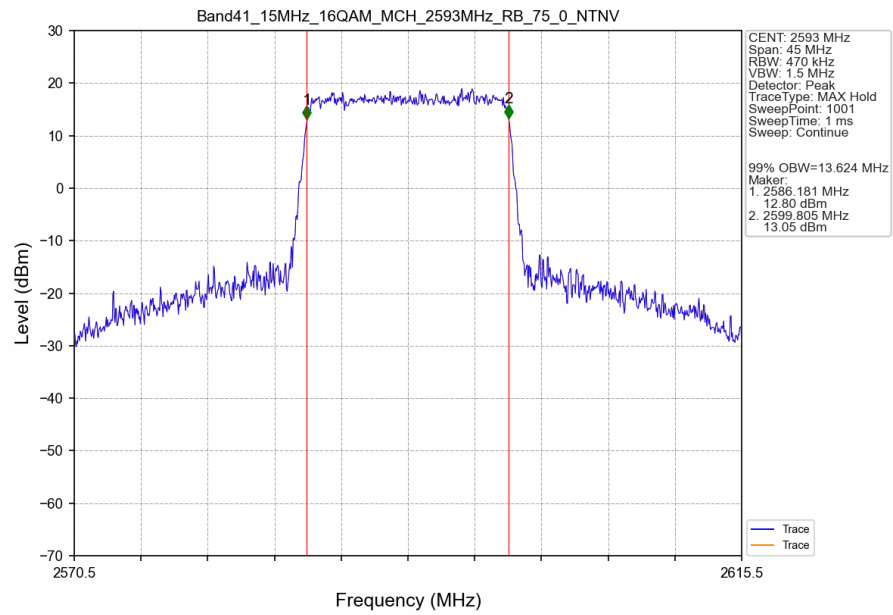
Band41_10MHz_16QAM_MCH_2593MHz_RB_50_0_NTNV



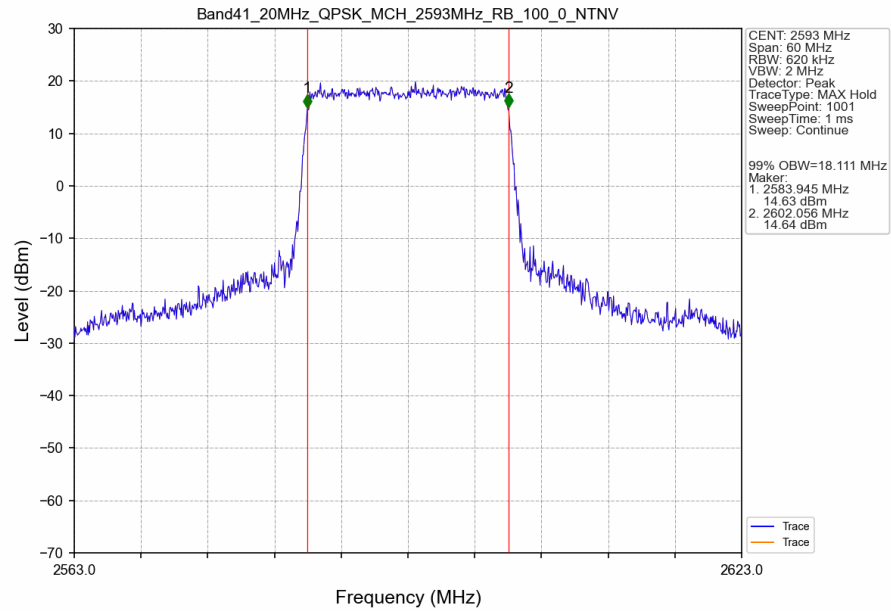
Band41_15MHz_QPSK_MCH_2593MHz_RB_75_0_NTNV



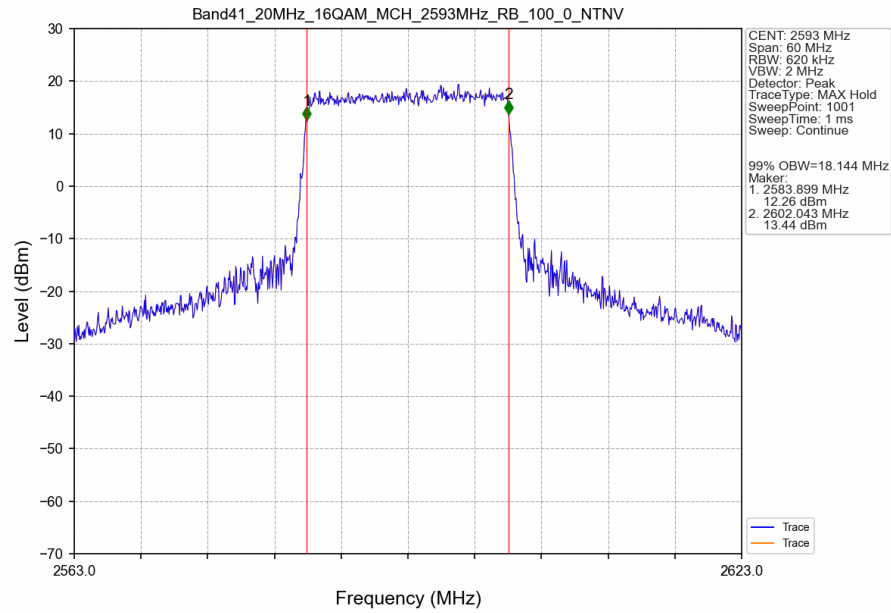
Band41_15MHz_16QAM_MCH_2593MHz_RB_75_0_NTNV



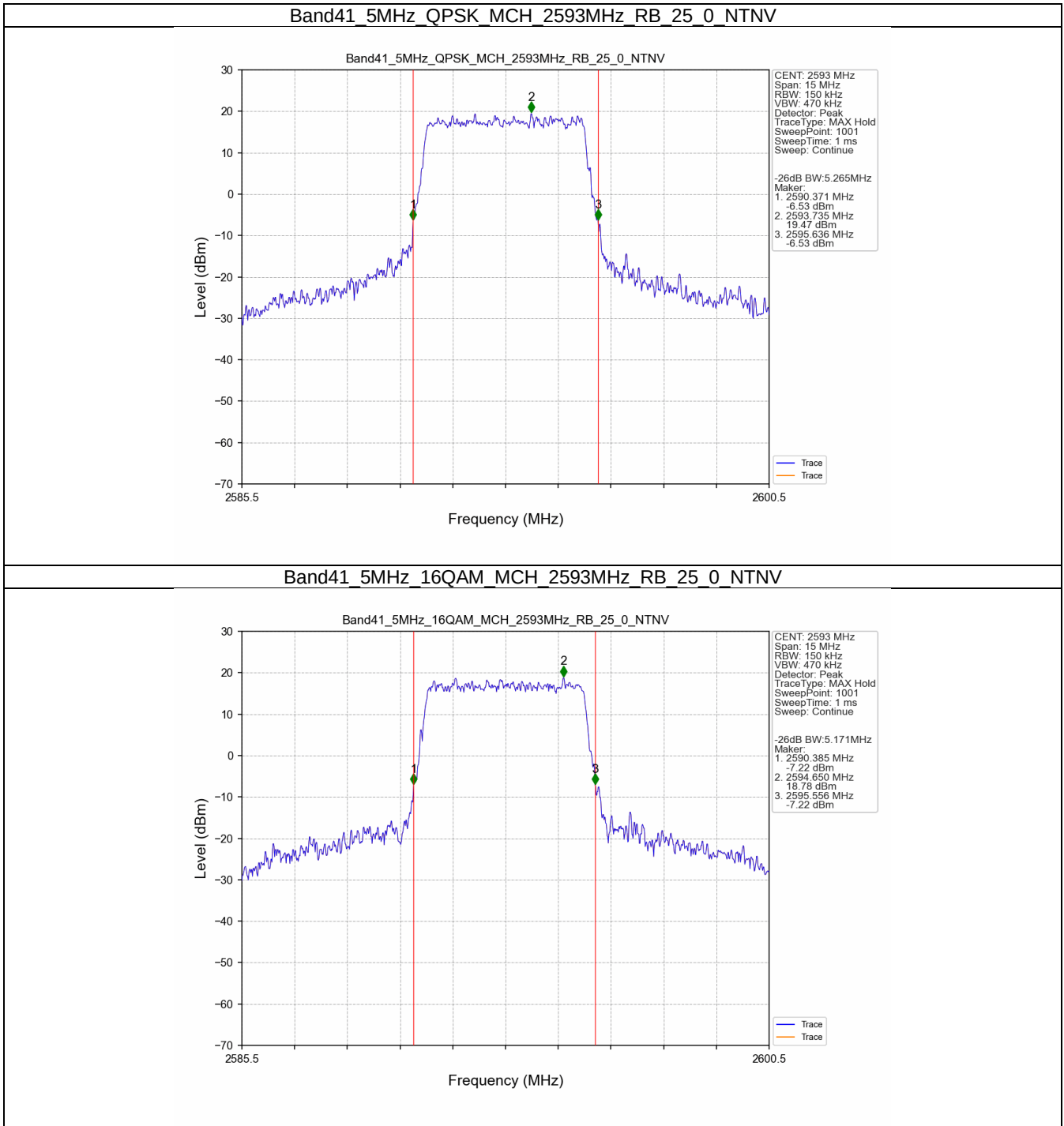
Band41 20MHz QPSK MCH 2593MHz RB 100 0 NTNV



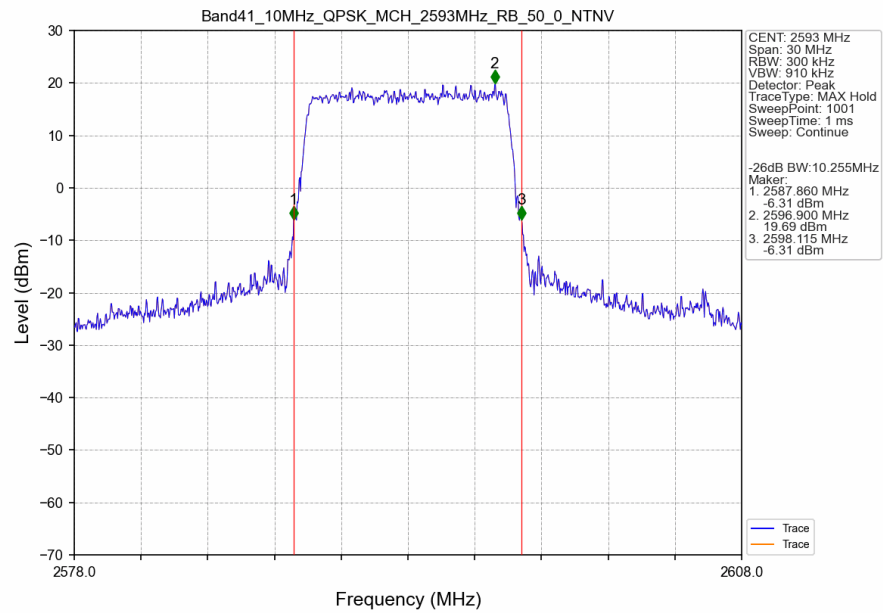
Band41 20MHz 16QAM MCH 2593MHz RB 100 0 NTNV



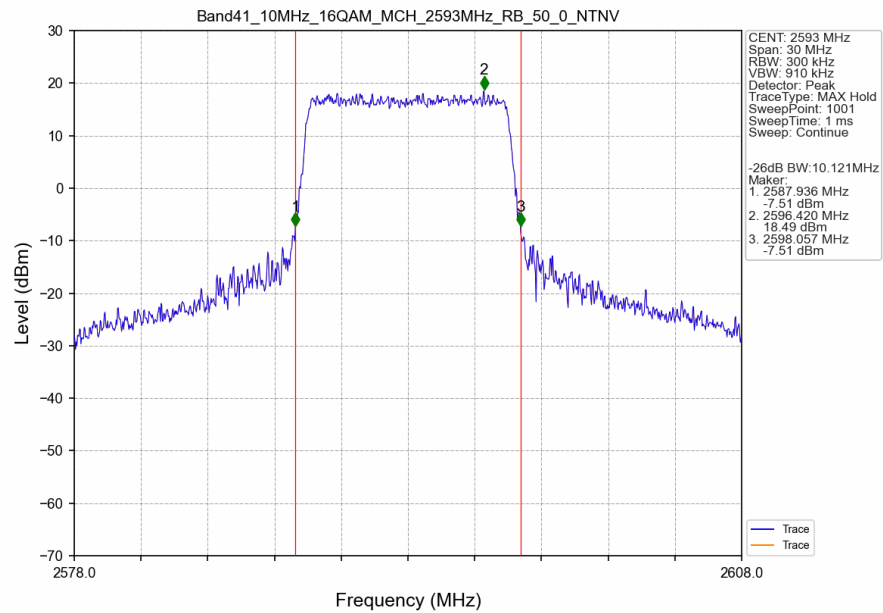
3.2.2 Band41_XDB



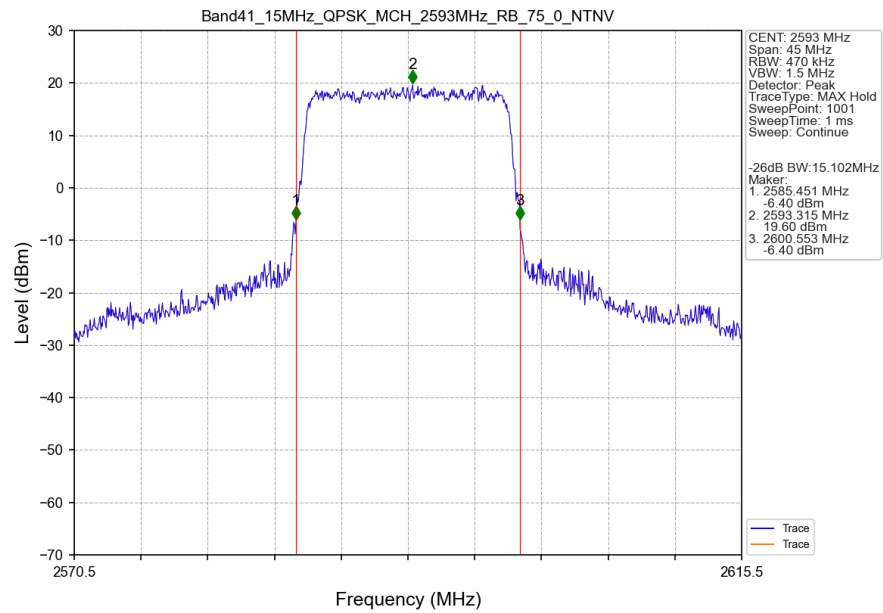
Band41 10MHz QPSK MCH 2593MHz RB 50 0 NTNV



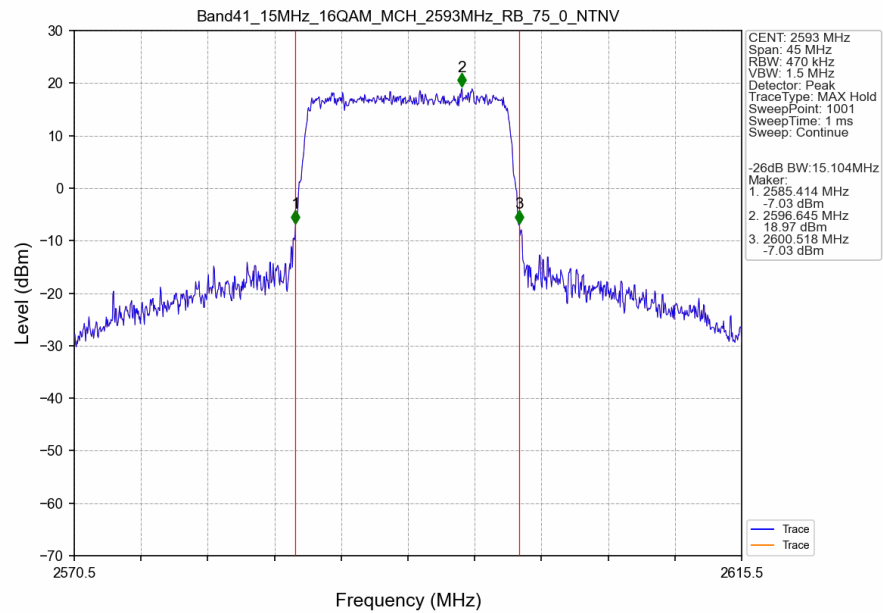
Band41 10MHz 16QAM MCH 2593MHz RB 50 0 NTNV



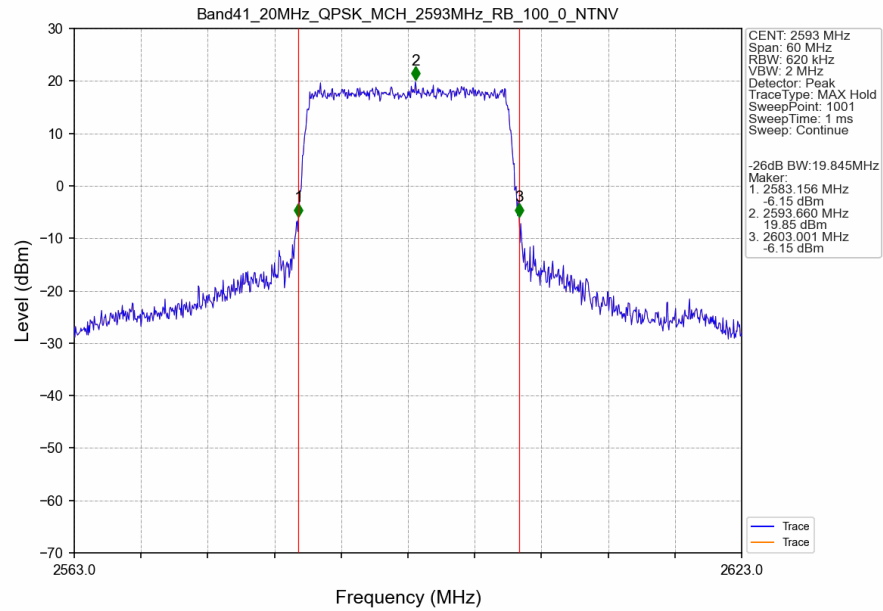
Band41 15MHz QPSK MCH 2593MHz RB 75 0 NTNV



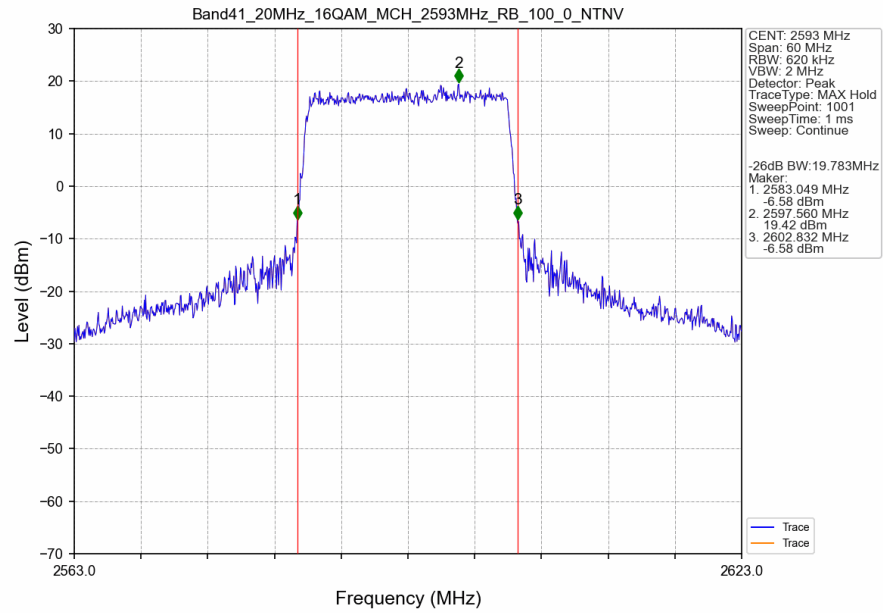
Band41 15MHz 16QAM MCH 2593MHz RB 75 0 NTNV



Band41 20MHz QPSK MCH 2593MHz RB 100 0 NTNV



Band41 20MHz 16QAM MCH 2593MHz RB 100 0 NTNV



4. Peak-Average Ratio

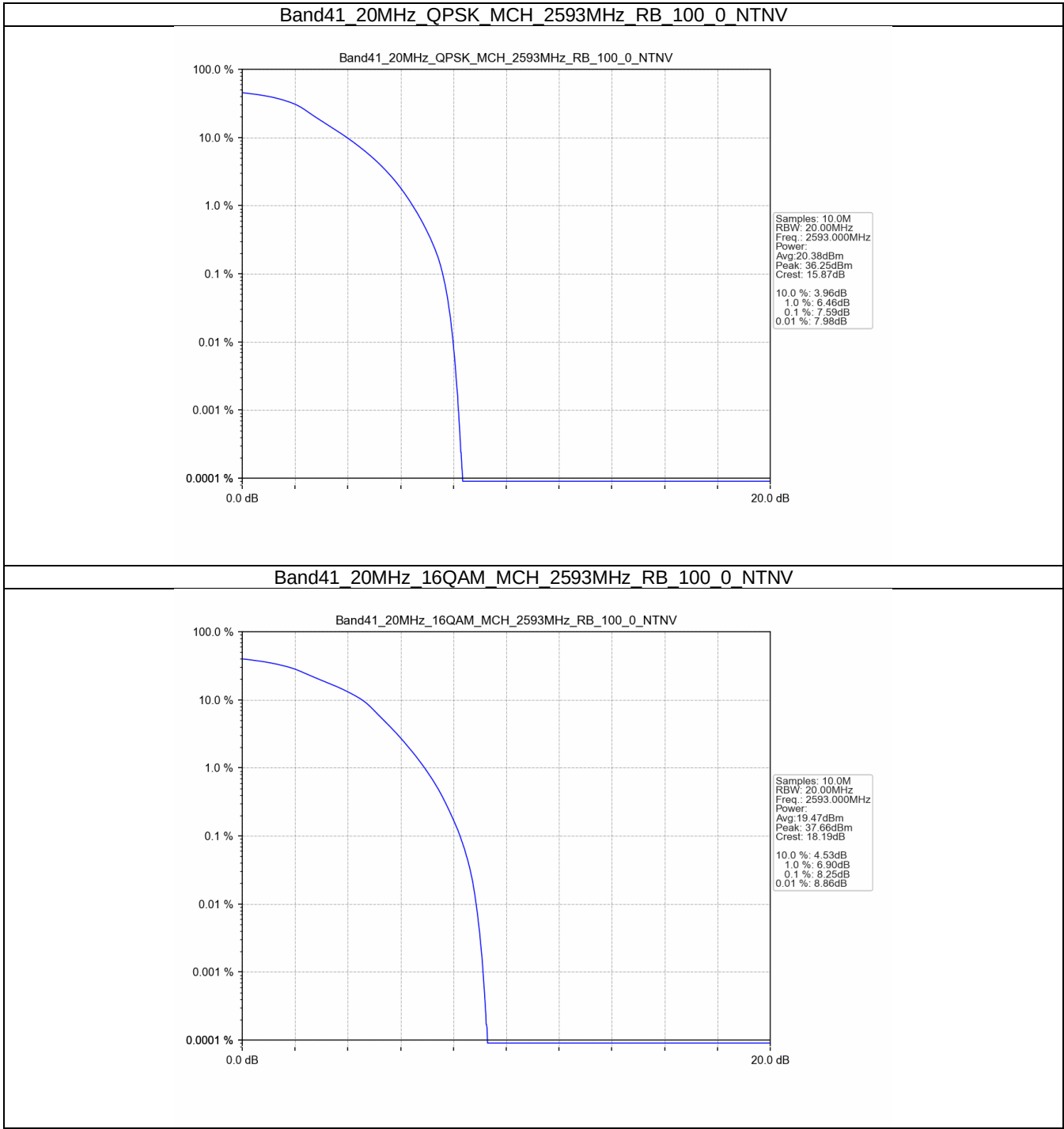
4.1 Test Result

4.1.1 B41_20MHz

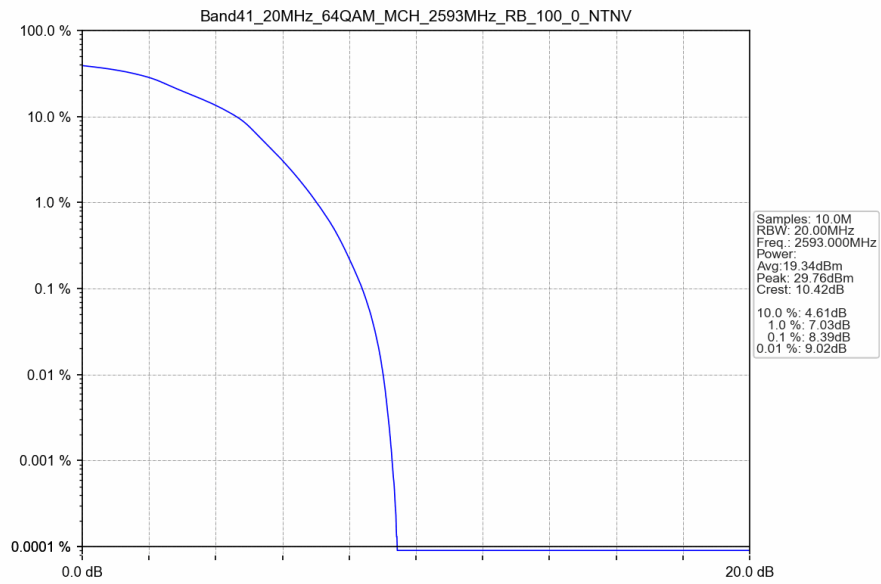
Band: 41 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2593	100	0	7.59	<=13	Pass
16QAM	2593	100	0	8.25	<=13	Pass
64QAM	2593	100	0	8.39	<=13	Pass
256QAM	2593	100	0	8.79	<=13	Pass

4.2 Test Graph

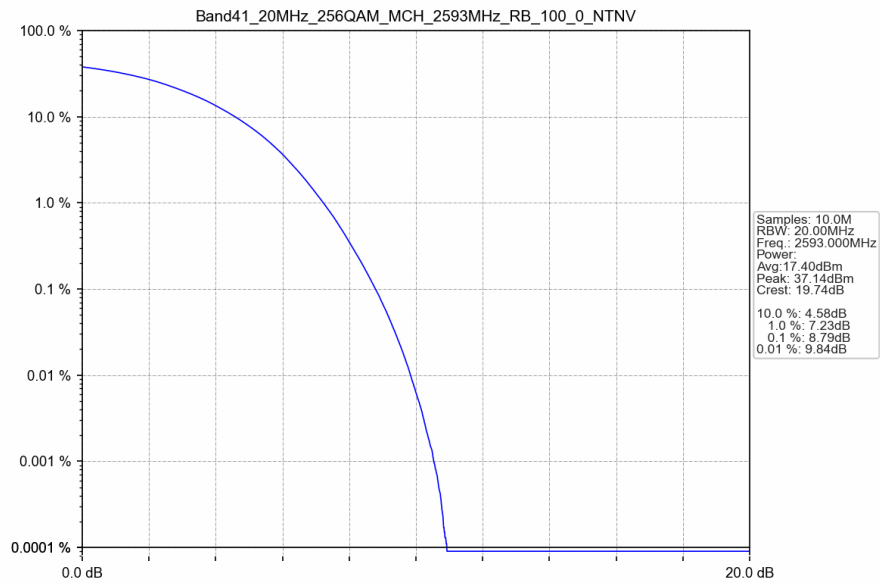
4.2.1 B41_20MHz



Band41 20MHz 64QAM MCH 2593MHz RB 100 0 NTNV



Band41 20MHz 256QAM MCH 2593MHz RB 100 0 NTNV



5. Spurious Emission

5.1 Test Result

5.1.1 B41_5MHz

Band: 41 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	2498.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	2593	1	0	Refer To Test Graph		Pass
	2687.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass

5.1.2 B41_10MHz

Band: 41 / Bandwidth: 10MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	2501	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	2593	1	0	Refer To Test Graph		Pass
	2685	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass

5.1.3 B41_15MHz

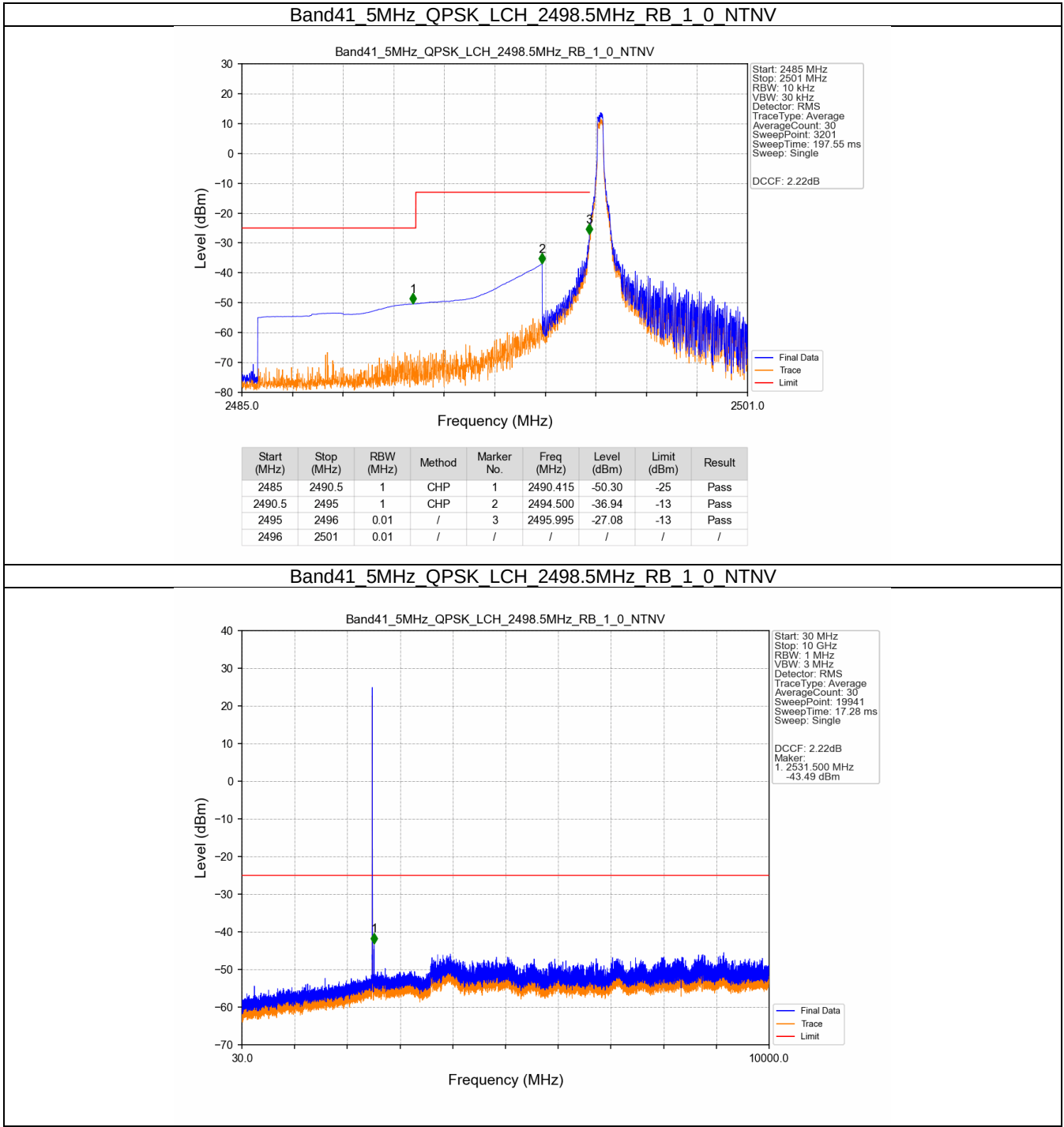
Band: 41 / Bandwidth: 15MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	2503.5	1	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	2593	1	0	Refer To Test Graph		Pass
	2682.5	1	0	Refer To Test Graph		Pass
			74	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass

5.1.4 B41_20MHz

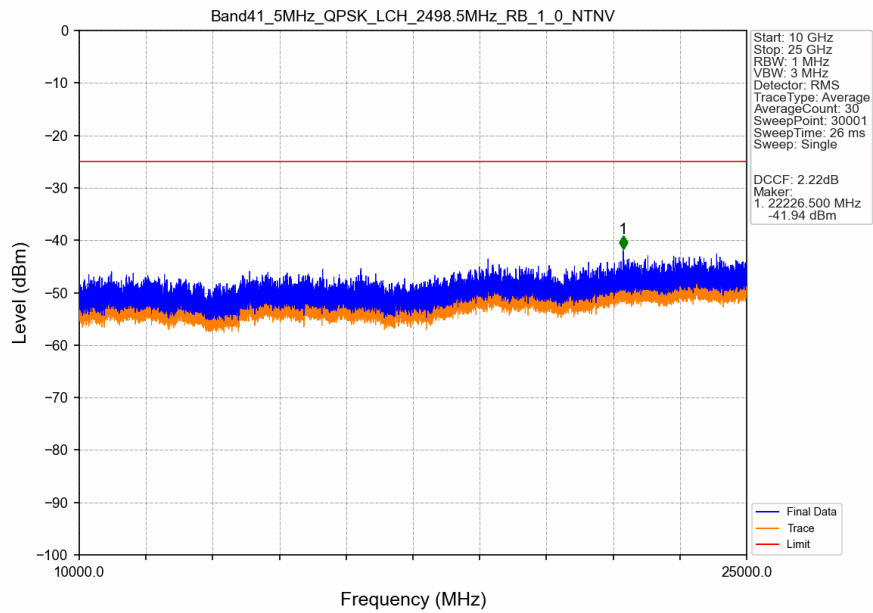
Band: 41 / Bandwidth: 20MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	2506	1	0	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	2593	1	0	Refer To Test Graph		Pass
	2680	1	0	Refer To Test Graph		Pass
			99	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass

5.2 Test Graph

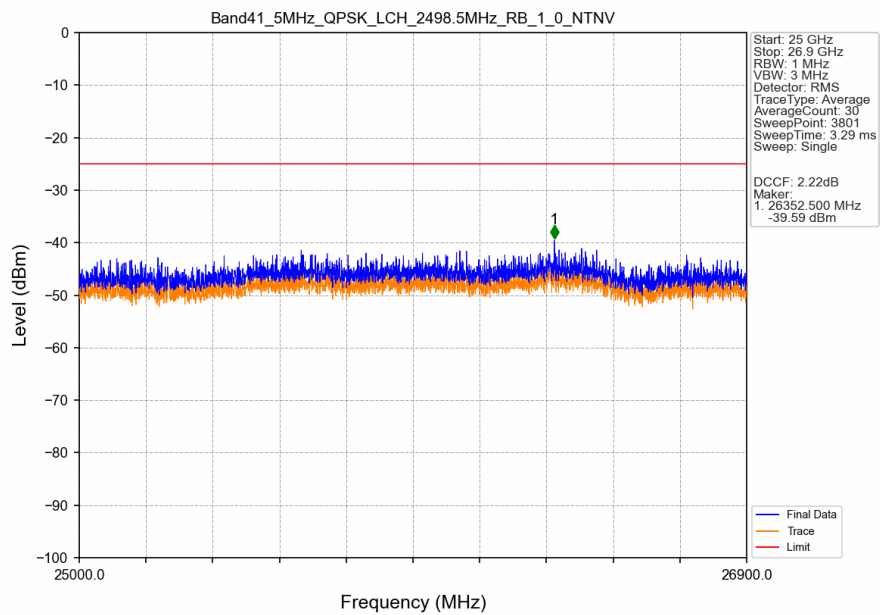
5.2.1 B41_5MHz



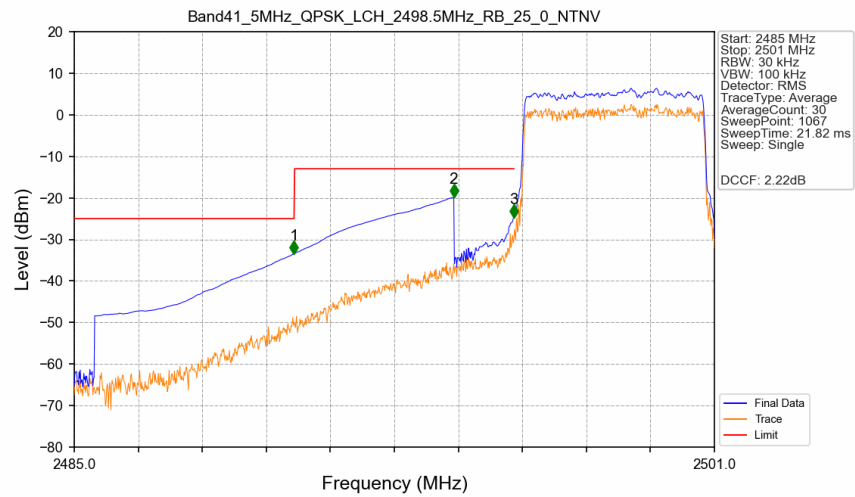
Band41_5MHz_QPSK_LCH_2498.5MHz_RB_1_0_NTNV



Band41_5MHz_QPSK_LCH_2498.5MHz_RB_1_0_NTNV

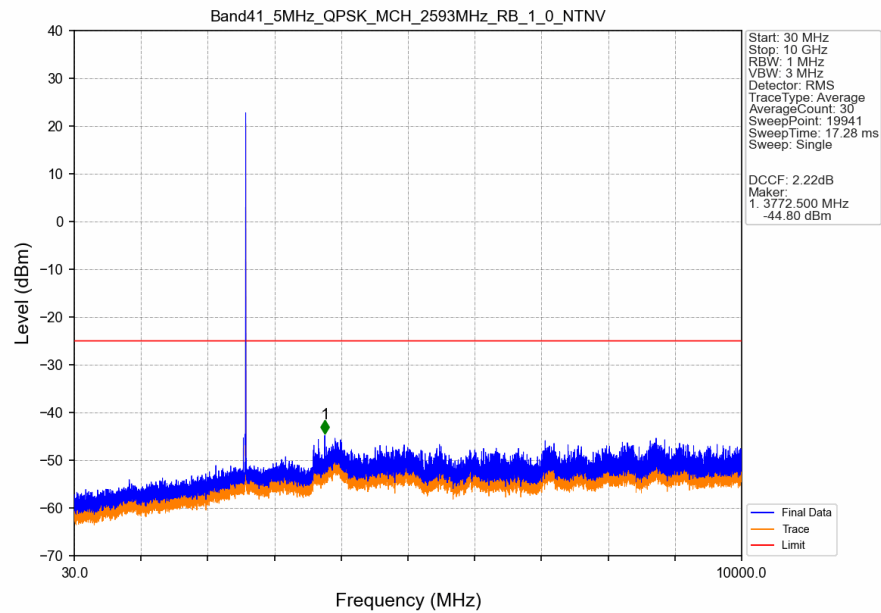


Band41_5MHz_QPSK_LCH_2498.5MHz_RB_25_0_NTNV

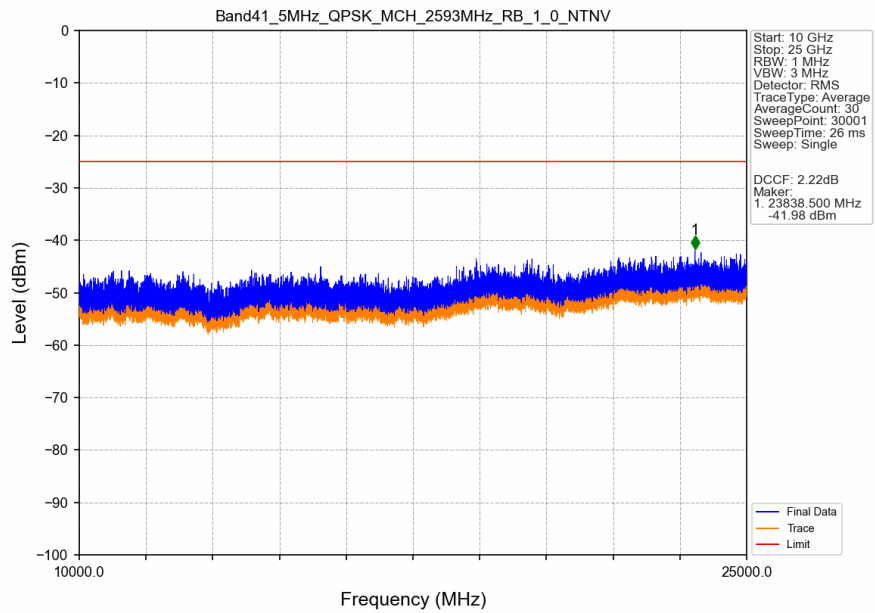


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2490.493	-33.46	-25	Pass
2490.5	2495	1	CHP	2	2494.486	-19.87	-13	Pass
2495	2496	0.053	CHP	3	2495.987	-24.76	-13	Pass
2496	2501	0.053	CHP	/	/	/	/	/

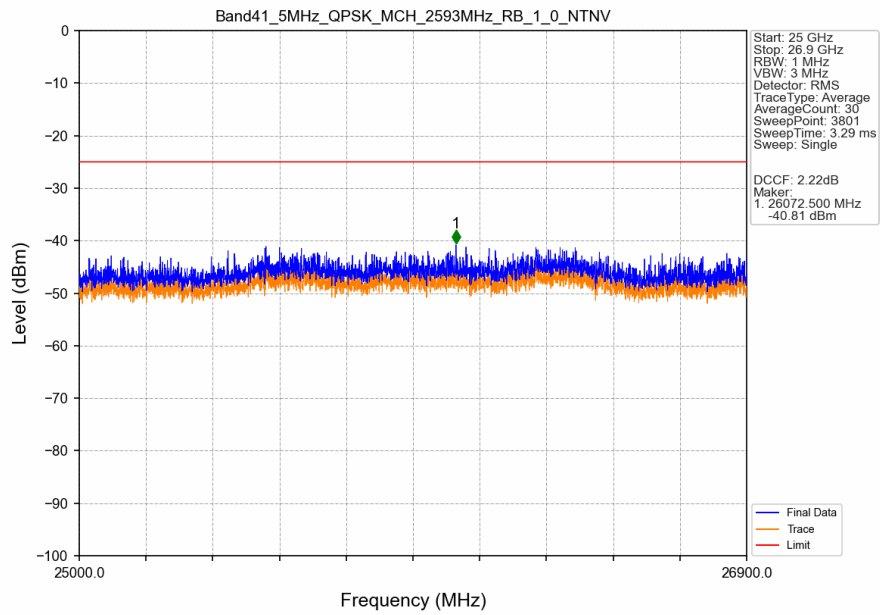
Band41_5MHz_QPSK_MCH_2593MHz_RB_1_0_NTNV



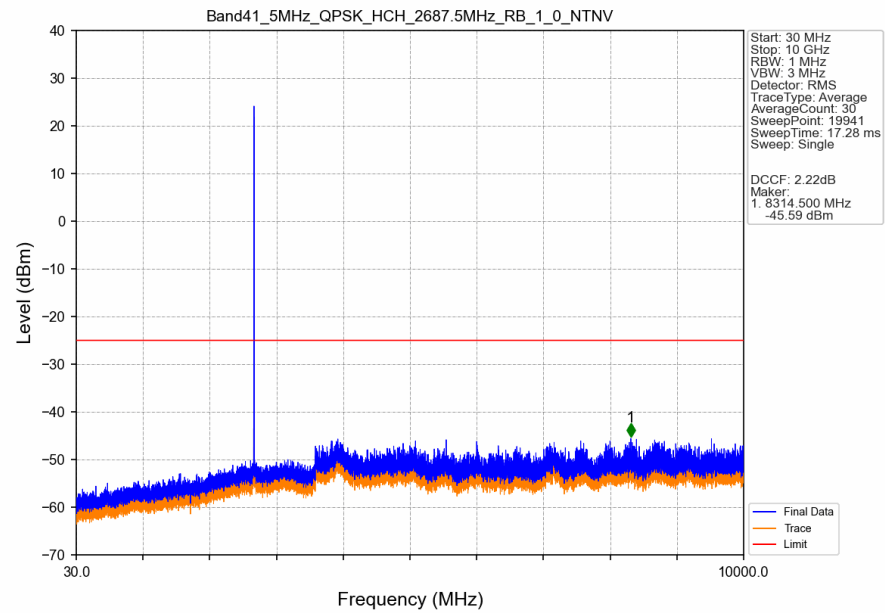
Band41_5MHz_QPSK_MCH_2593MHz_RB_1_0_NTNV



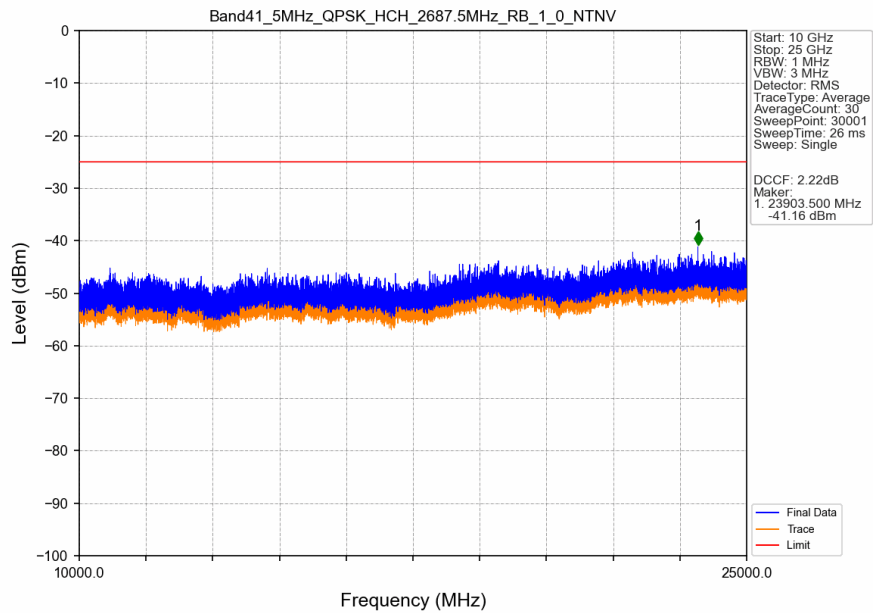
Band41_5MHz_QPSK_MCH_2593MHz_RB_1_0_NTNV



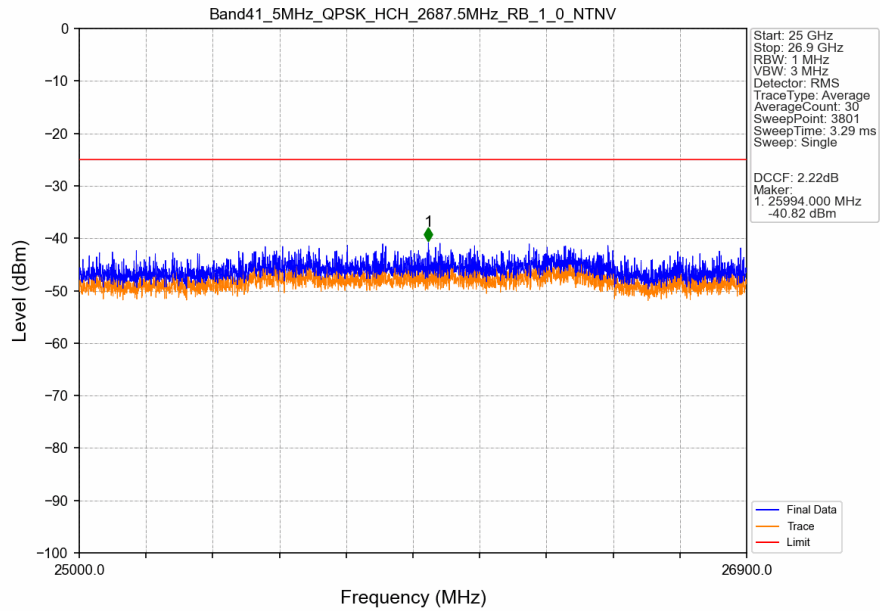
Band41_5MHz_QPSK_HCH_2687.5MHz_RB_1_0_NTNV



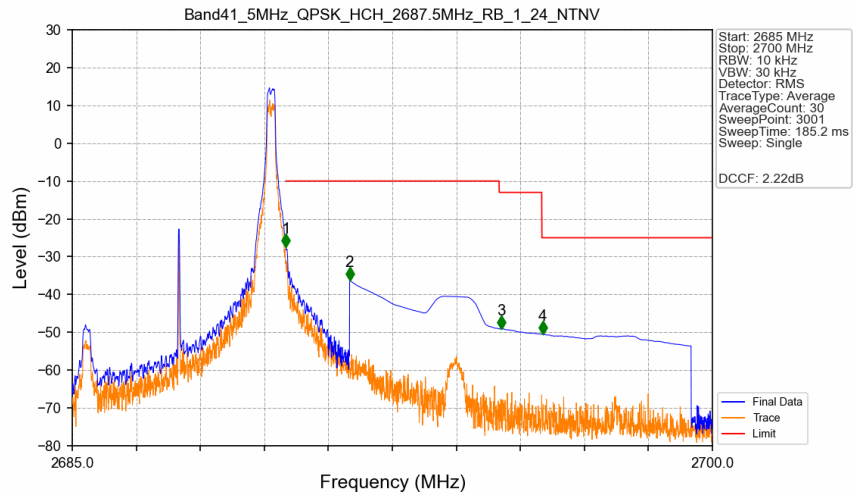
Band41_5MHz_QPSK_HCH_2687.5MHz_RB_1_0_NTNV



Band41 5MHz QPSK HCH 2687.5MHz RB 1 0 NTV

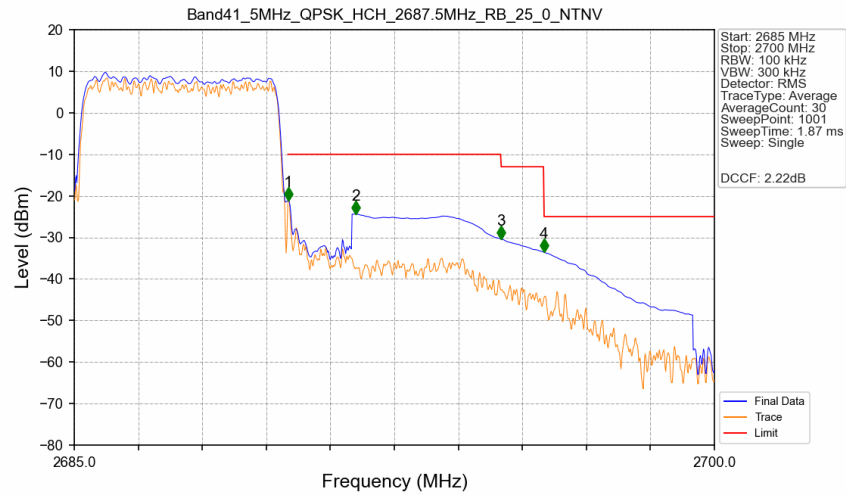


Band41_5MHz_QPSK_HCH_2687.5MHz_RB_1_24_NTV



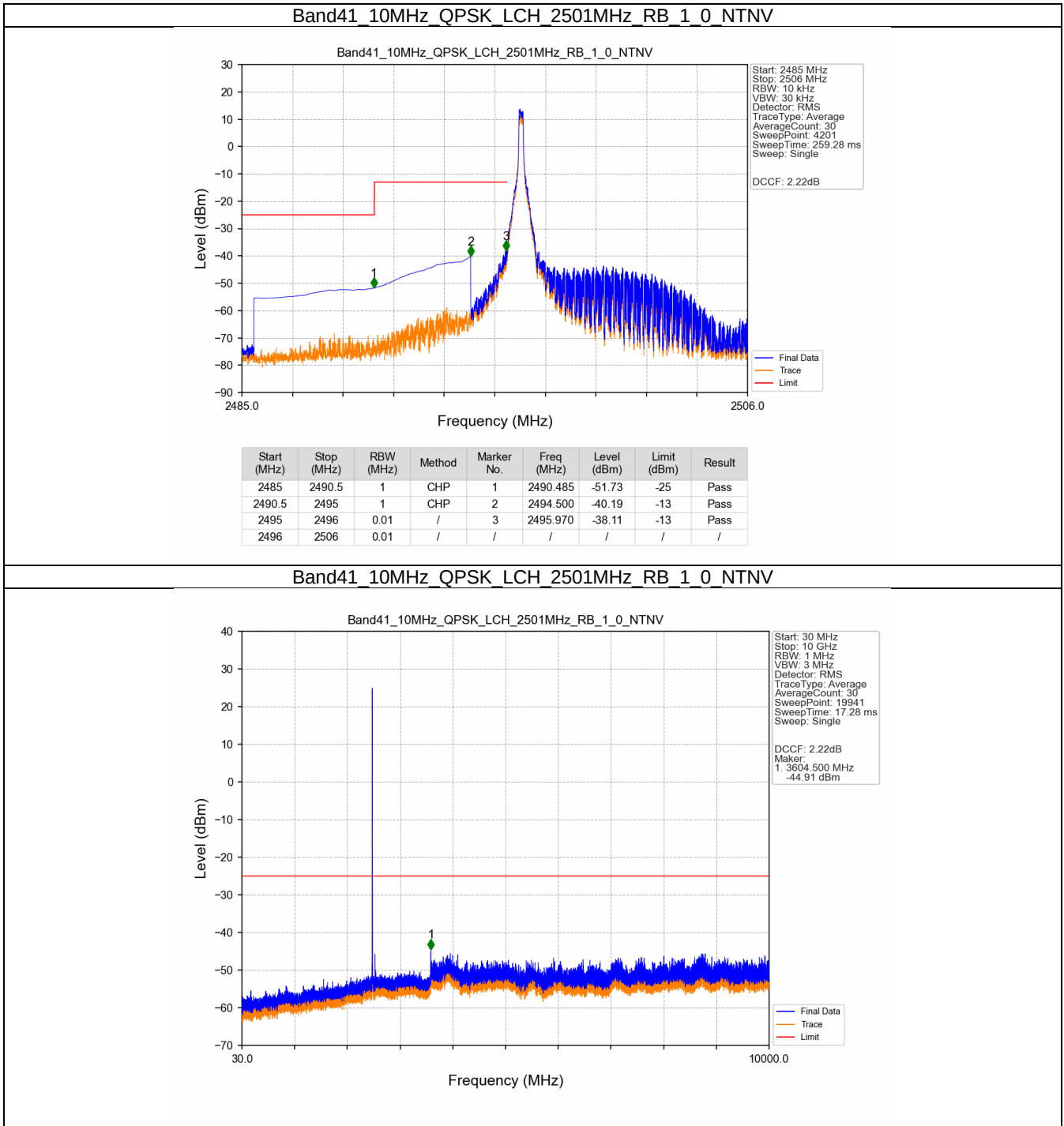
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2685	2690	0.02	CHP	/	/	/	/	/
2690	2691	0.02	CHP	1	2690.005	-27.48	-10	Pass
2691	2695	1	CHP	2	2691.500	-36.25	-10	Pass
2695	2696	1	CHP	3	2695.045	-49.06	-13	Pass
2696	2700	1	CHP	4	2696.025	-50.47	-25	Pass

Band41 5MHz QPSK HCH 2687.5MHz RB 25 0 NTV

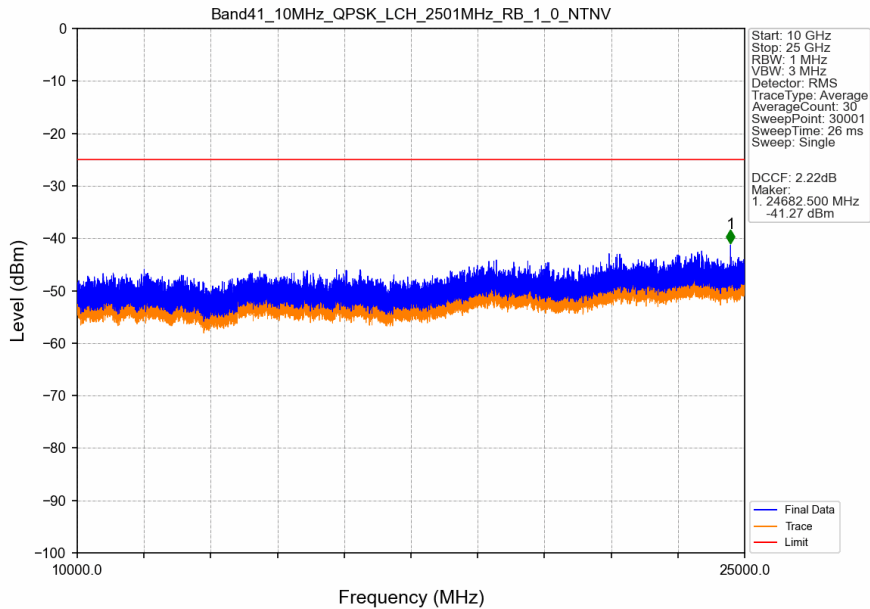


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2685	2690	0.105	CHP	/	/	/	/	/
2690	2691	0.105	CHP	1	2690.010	-21.11	-10	Pass
2691	2695	1	CHP	2	2691.600	-24.37	-13	Pass
2695	2696	1	CHP	3	2695.005	-30.41	-13	Pass
2696	2700	1	CHP	4	2696.010	-33.56	-25	Pass

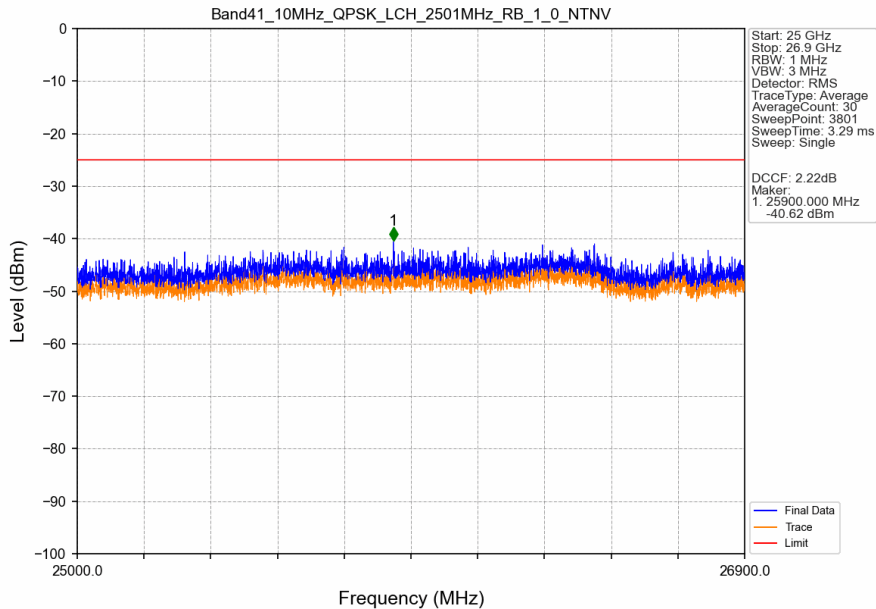
5.2.2 B41_10MHz



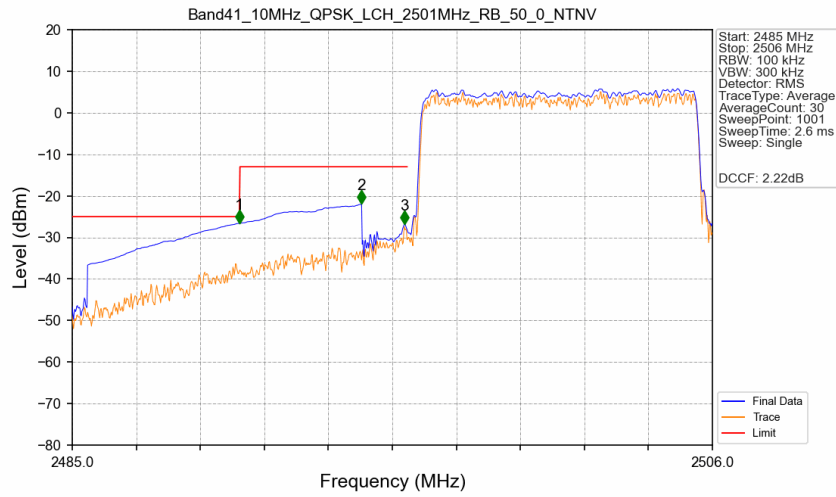
Band41_10MHz_QPSK_LCH_2501MHz_RB_1_0_NTNV



Band41_10MHz_QPSK_LCH_2501MHz_RB_1_0_NTNV

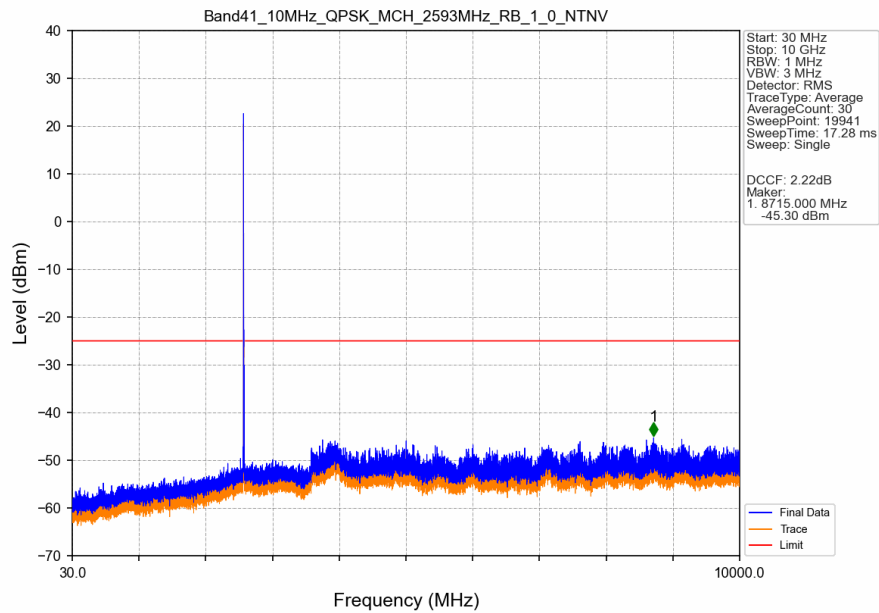


Band41_10MHz_QPSK_LCH_2501MHz_RB_50_0_NTNV

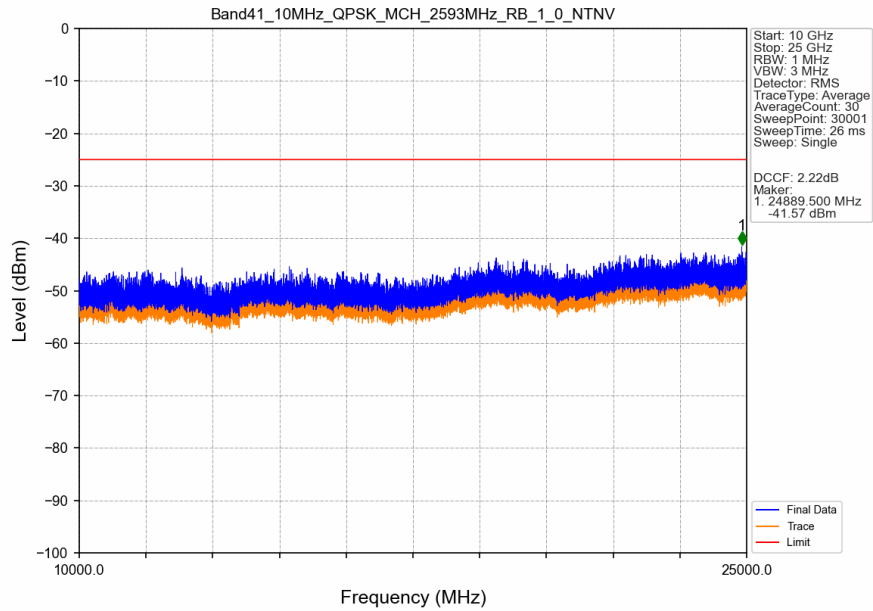


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2490.481	-26.64	-25	Pass
2490.5	2495	1	CHP	2	2494.492	-21.91	-13	Pass
2495	2496	0.101	CHP	3	2495.899	-26.76	-13	Pass
2496	2506	0.101	CHP	/	/	/	/	/

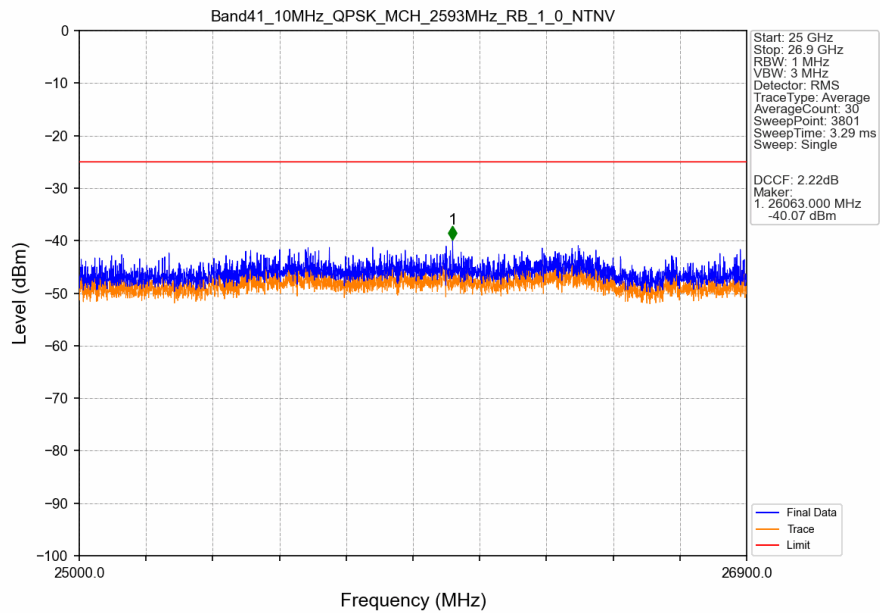
Band41_10MHz_QPSK_MCH_2593MHz_RB_1_0_NTNV



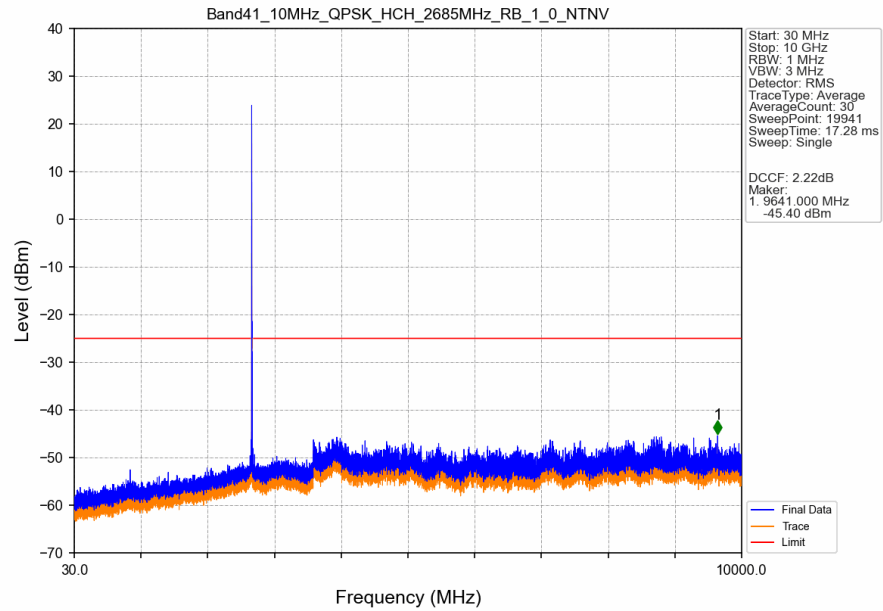
Band41_10MHz_QPSK_MCH_2593MHz_RB_1_0_NTNV



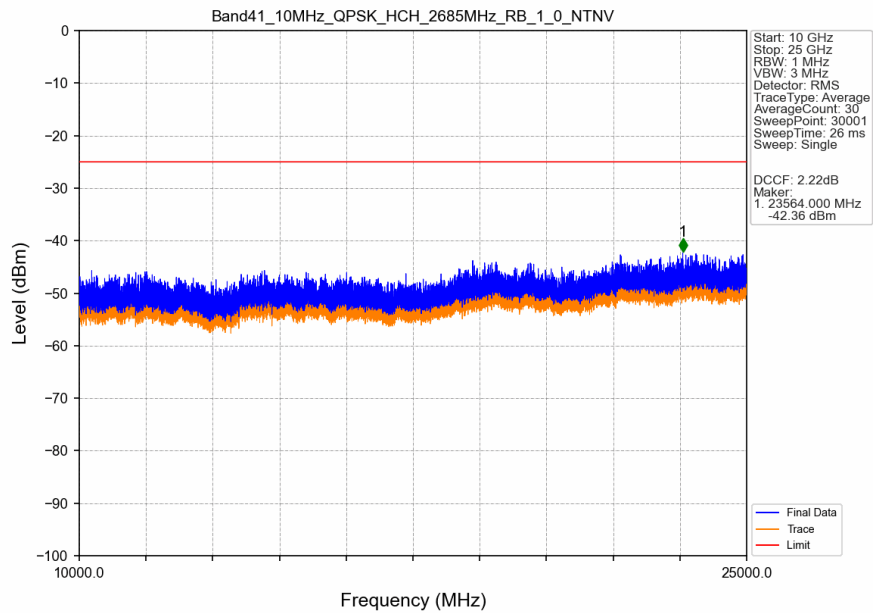
Band41_10MHz_QPSK_MCH_2593MHz_RB_1_0_NTNV



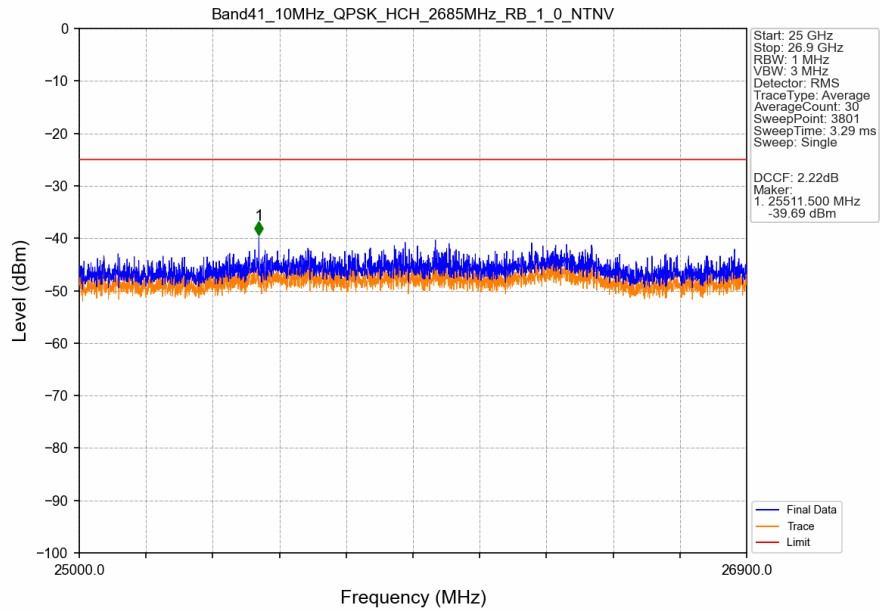
Band41 10MHz QPSK HCH 2685MHz RB 1 0 NTV



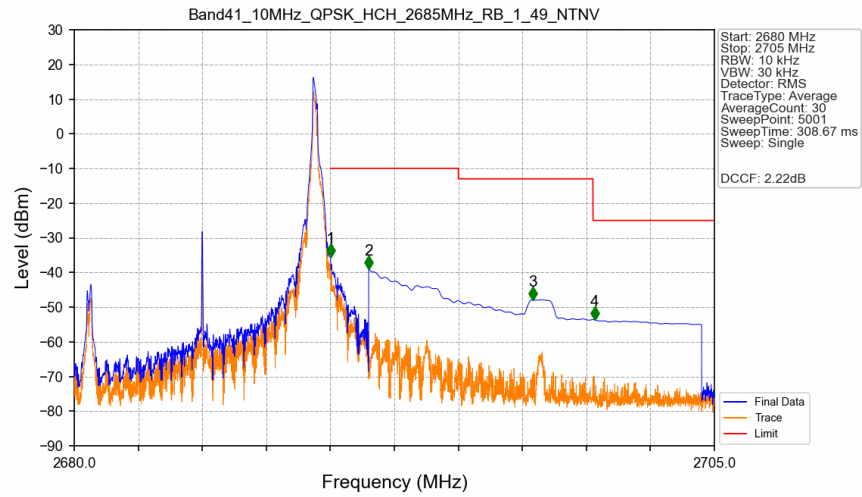
Band41 10MHz QPSK HCH 2685MHz RB 1 0 NTV



Band41 10MHz QPSK HCH 2685MHz RB 1 0 NTNV

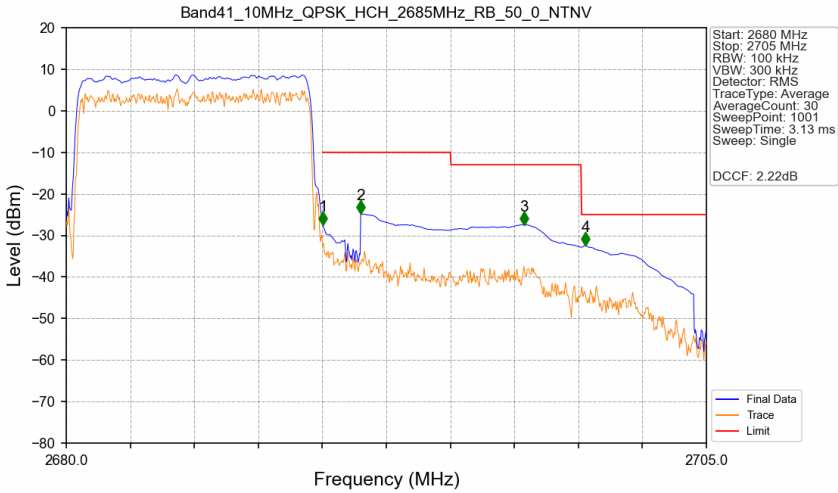


Band41 10MHz QPSK HCH 2685MHz RB 1 49 NTNV



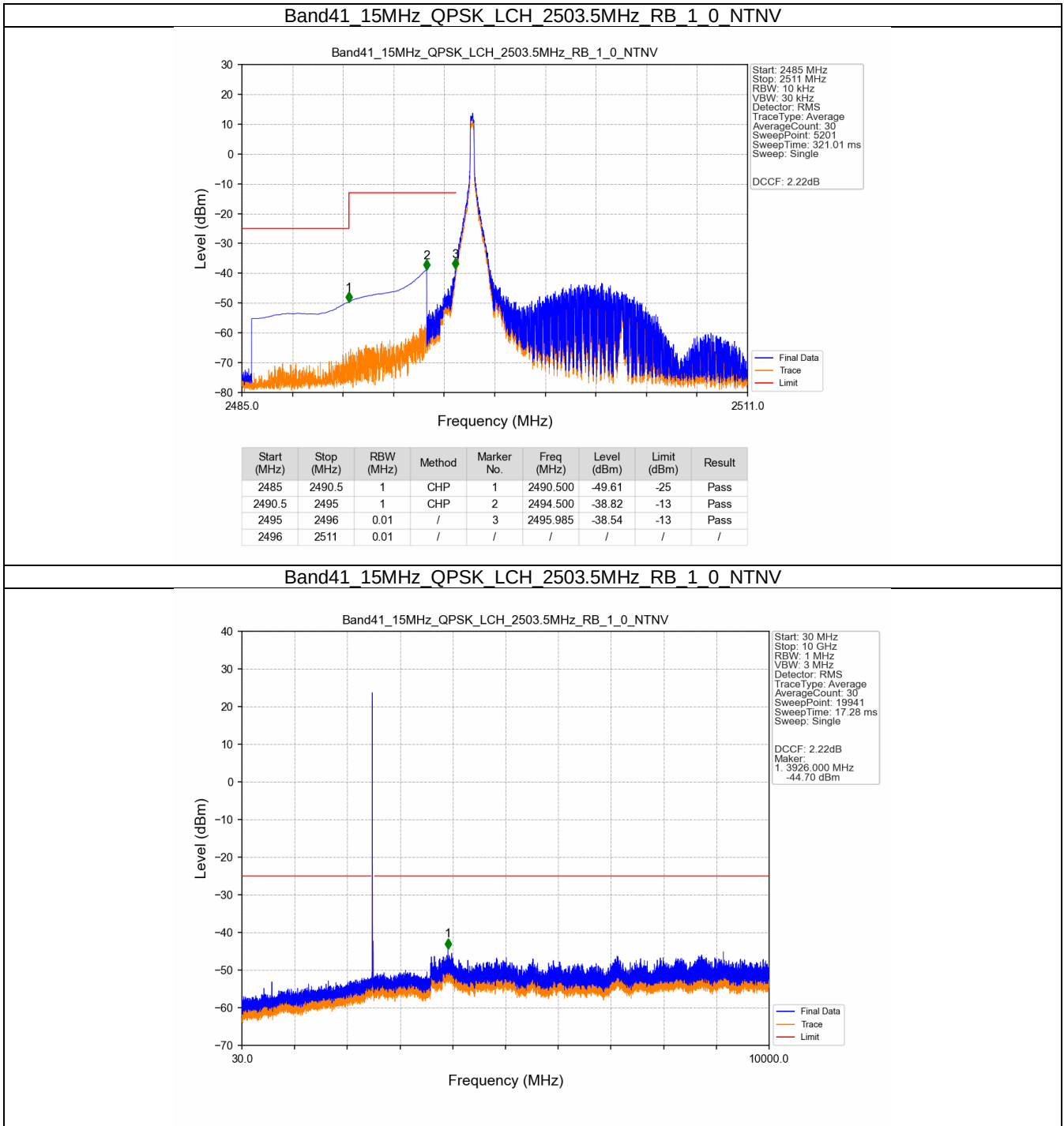
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2680	2690	0.02	CHP	/	/	/	/	/
2690	2691	0.02	CHP	1	2690.005	-35.57	-10	Pass
2691	2695	1	CHP	2	2691.500	-39.09	-10	Pass
2695	2700.255	1	CHP	3	2697.895	-47.90	-13	Pass
2700.255	2705	1	CHP	4	2700.320	-53.62	-25	Pass

Band41 10MHz QPSK HCH 2685MHz RB 50 0 NTNV

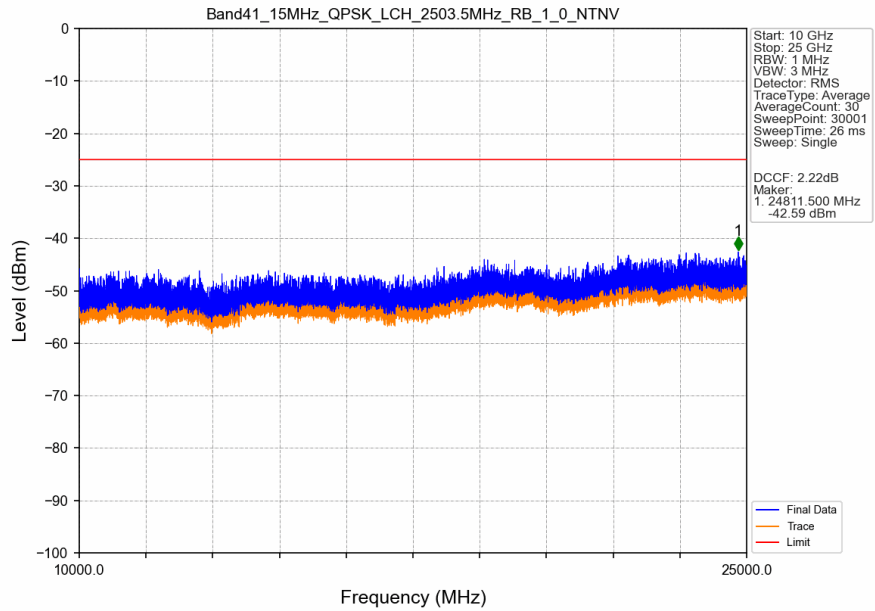


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2680	2690	0.202	CHP	/	/	/	/	/
2690	2691	0.202	CHP	1	2690.025	-27.57	-10	Pass
2691	2695	1	CHP	2	2691.500	-24.83	-10	Pass
2695	2700.121	1	CHP	3	2697.875	-27.43	-13	Pass
2700.121	2705	1	CHP	4	2700.275	-32.46	-25	Pass

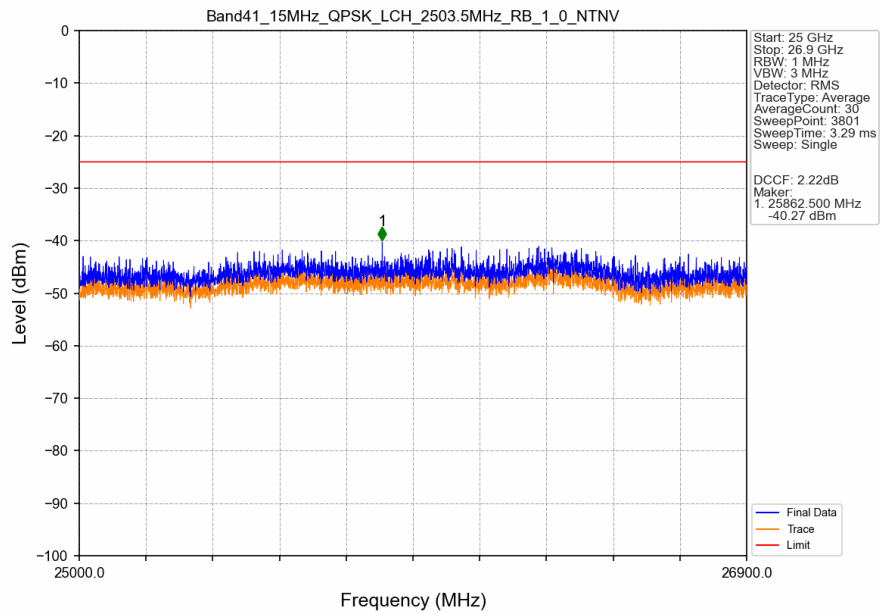
5.2.3 B41_15MHz



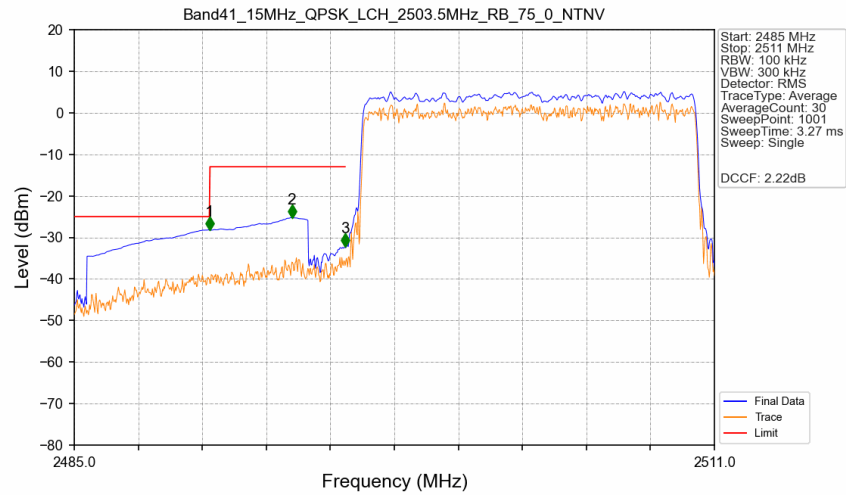
Band41_15MHz_QPSK_LCH_2503.5MHz_RB_1_0_NTNV



Band41_15MHz_QPSK_LCH_2503.5MHz_RB_1_0_NTNV

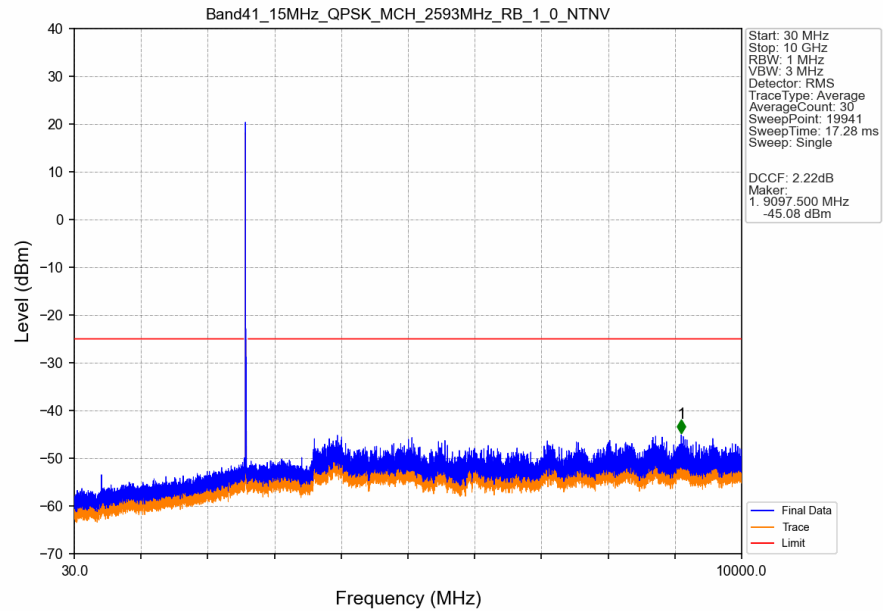


Band41_15MHz_QPSK_LCH_2503.5MHz_RB_75_0_NTNV

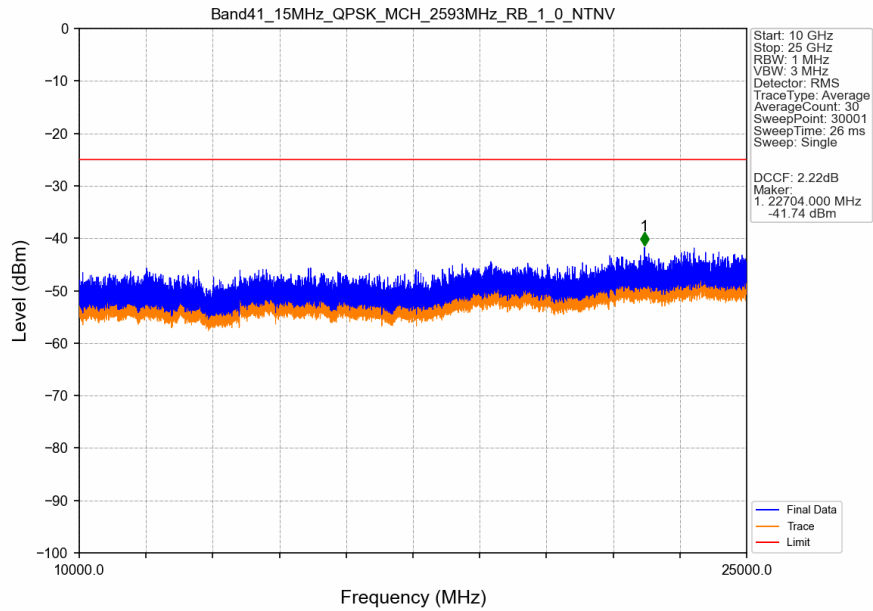


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2490.486	-28.17	-25	Pass
2490.5	2495	1	CHP	2	2493.840	-25.25	-13	Pass
2495	2496	0.151	CHP	3	2495.998	-32.29	-13	Pass
2496	2511	0.151	CHP	/	/	/	/	/

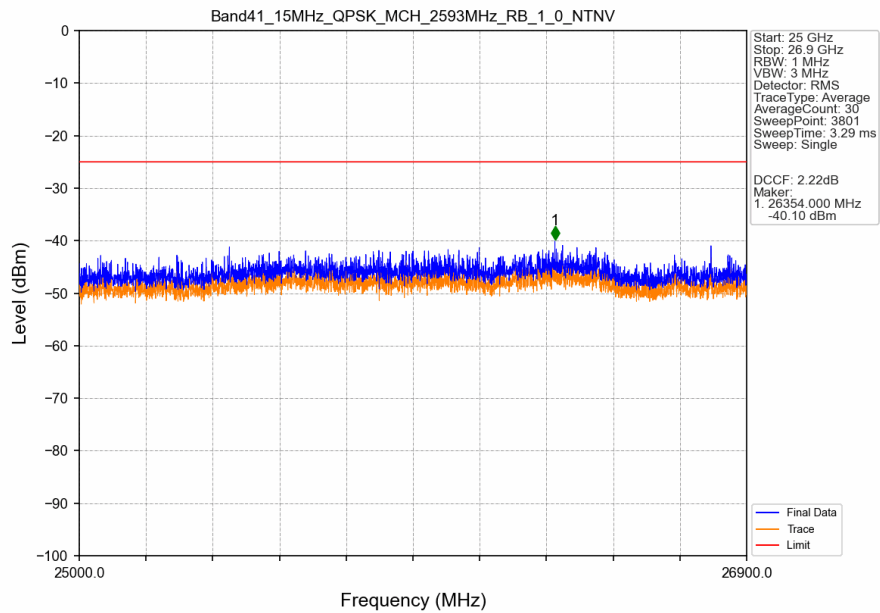
Band41_15MHz_QPSK_MCH_2593MHz_RB_1_0_NTNV



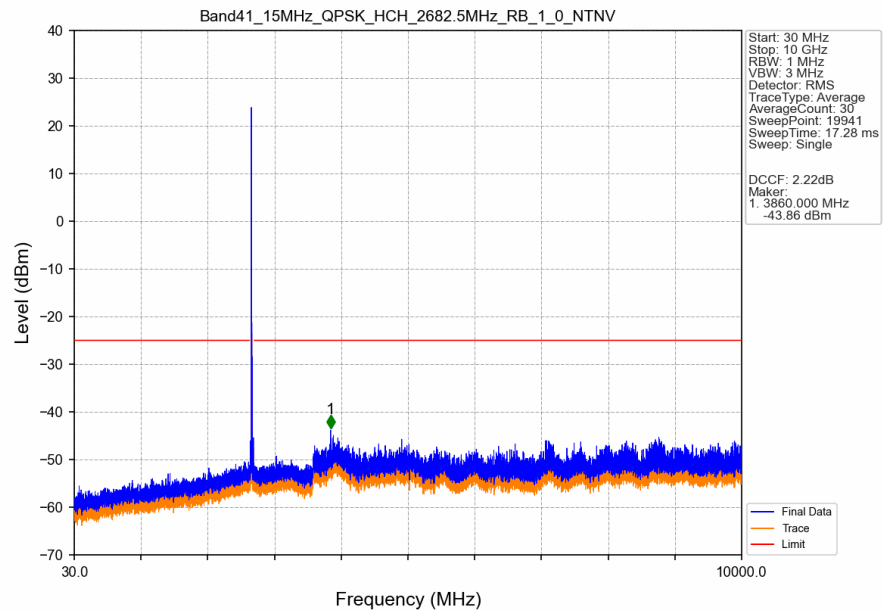
Band41_15MHz_QPSK_MCH_2593MHz_RB_1_0_NTNV



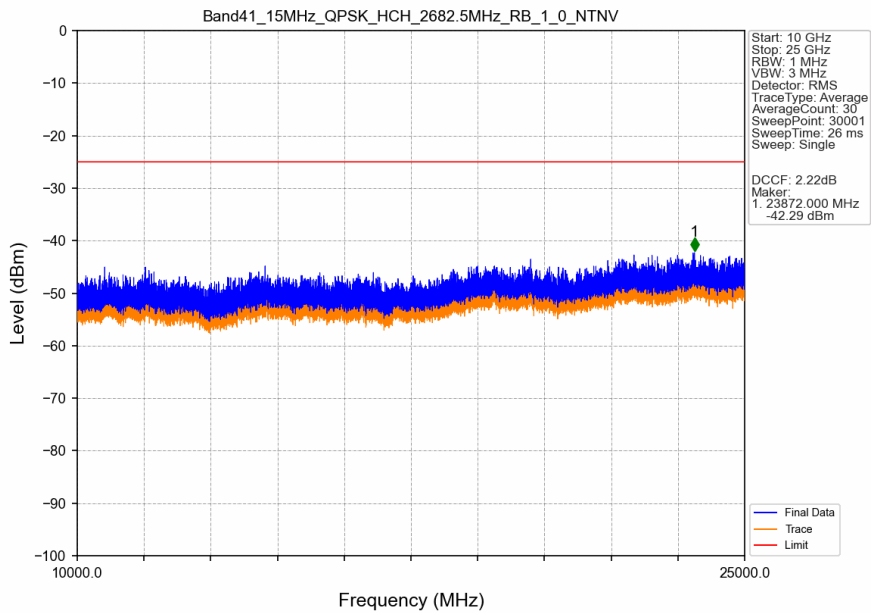
Band41_15MHz_QPSK_MCH_2593MHz_RB_1_0_NTNV



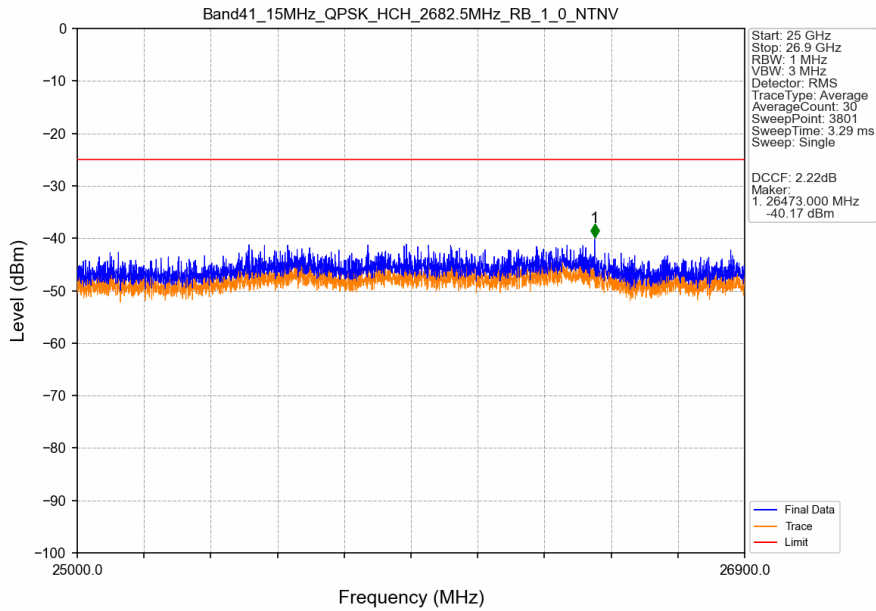
Band41_15MHz_QPSK_HCH_2682.5MHz_RB_1_0_NTNV



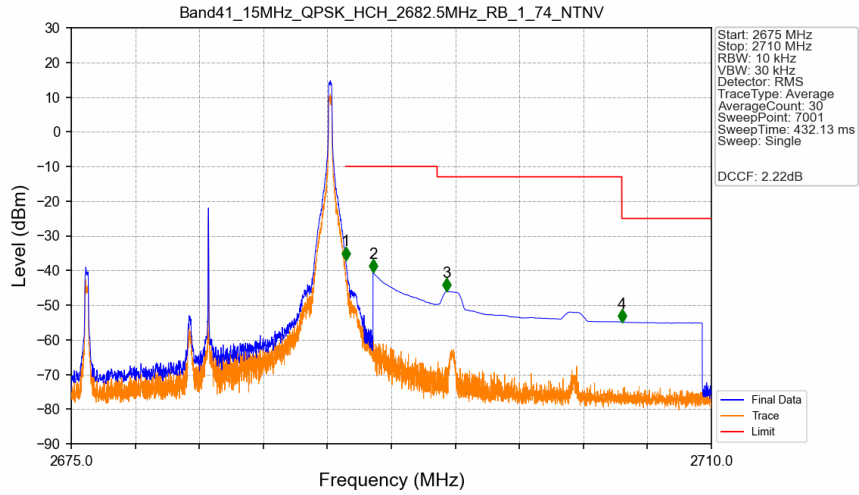
Band41_15MHz_QPSK_HCH_2682.5MHz_RB_1_0_NTNV



Band41_15MHz_QPSK_HCH_2682.5MHz_RB_1_0_NTNV

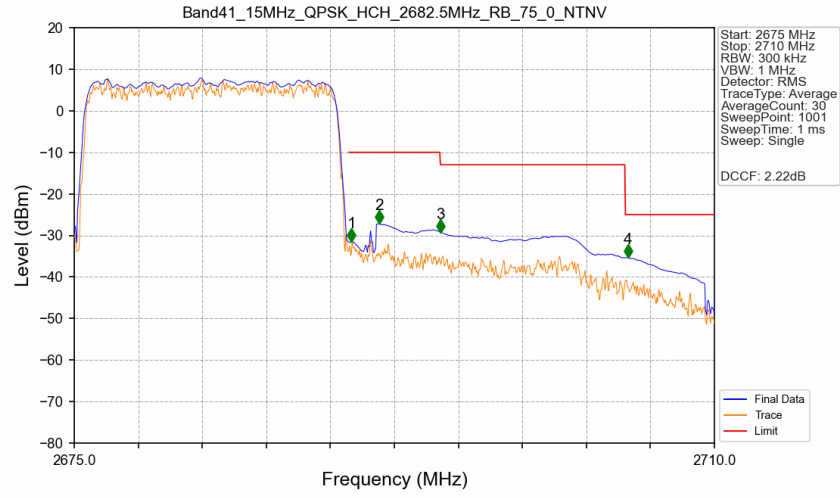


Band41_15MHz_QPSK_HCH_2682.5MHz_RB_1_74_NTNV



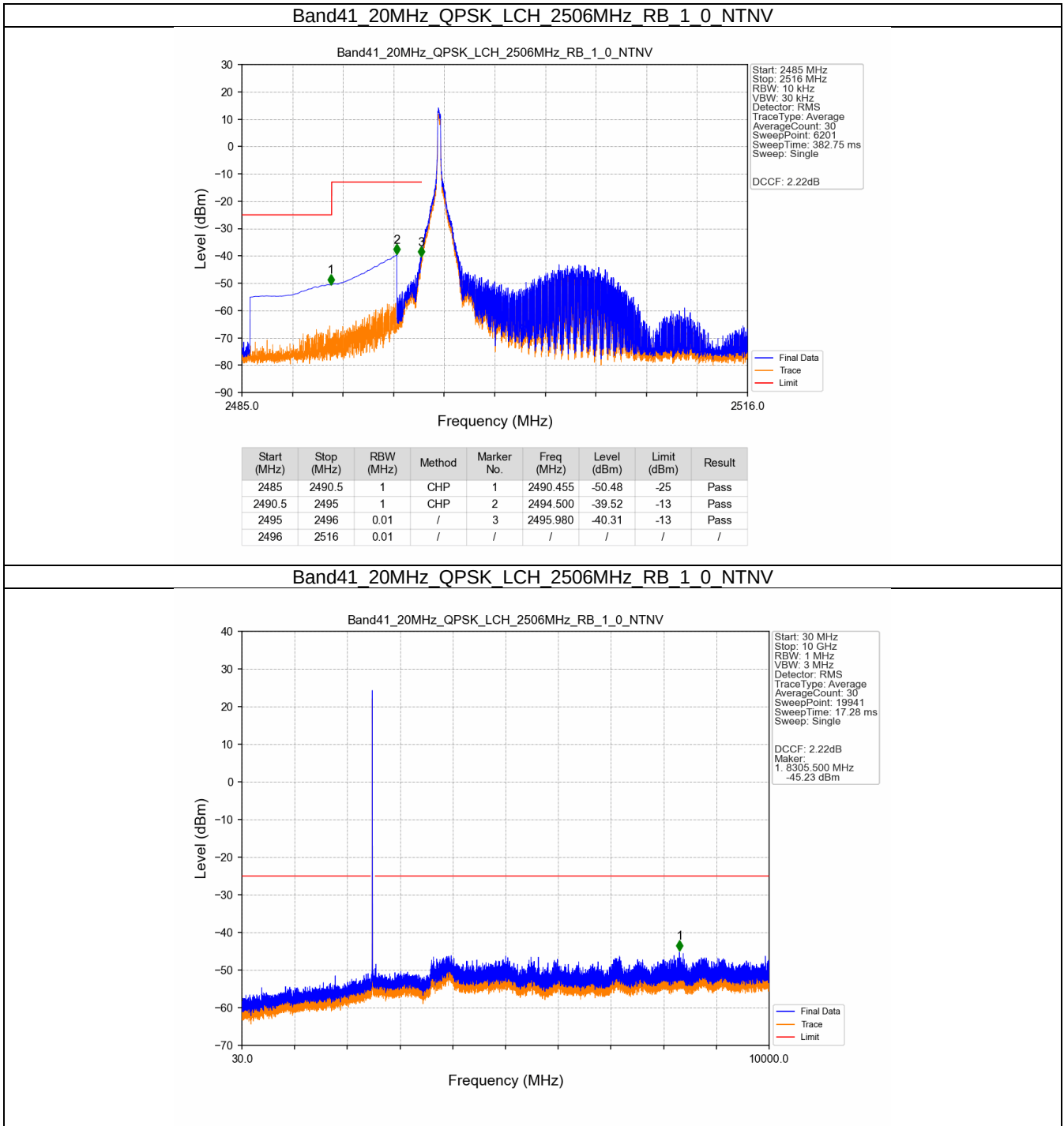
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2675	2690	0.02	CHP	/	/	/	/	/
2690	2691	0.02	CHP	1	2690.005	-36.93	-10	Pass
2691	2695	1	CHP	2	2691.500	-40.61	-10	Pass
2695	2705.102	1	CHP	3	2695.530	-46.08	-13	Pass
2705.102	2710	1	CHP	4	2705.105	-54.92	-25	Pass

Band41 15MHz QPSK HCH 2682.5MHz RB 75 0 NTN

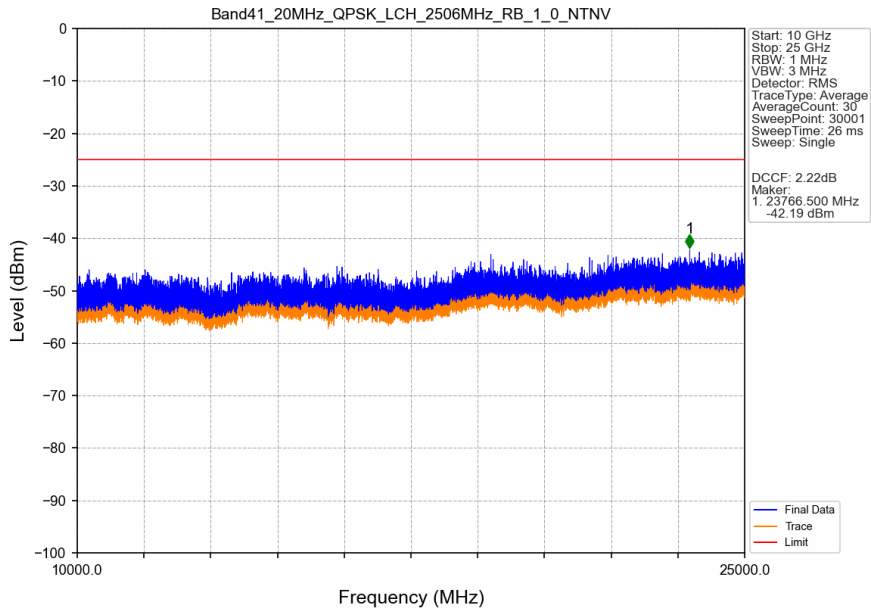


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2675	2690	0.302	CHP	/	/	/	/	/
2690	2691	0.302	CHP	1	2690.155	-31.56	-10	Pass
2691	2695	1	CHP	2	2691.660	-27.17	-10	Pass
2695	2705.102	1	CHP	3	2695.020	-29.25	-13	Pass
2705.102	2710	1	CHP	4	2705.275	-35.36	-25	Pass

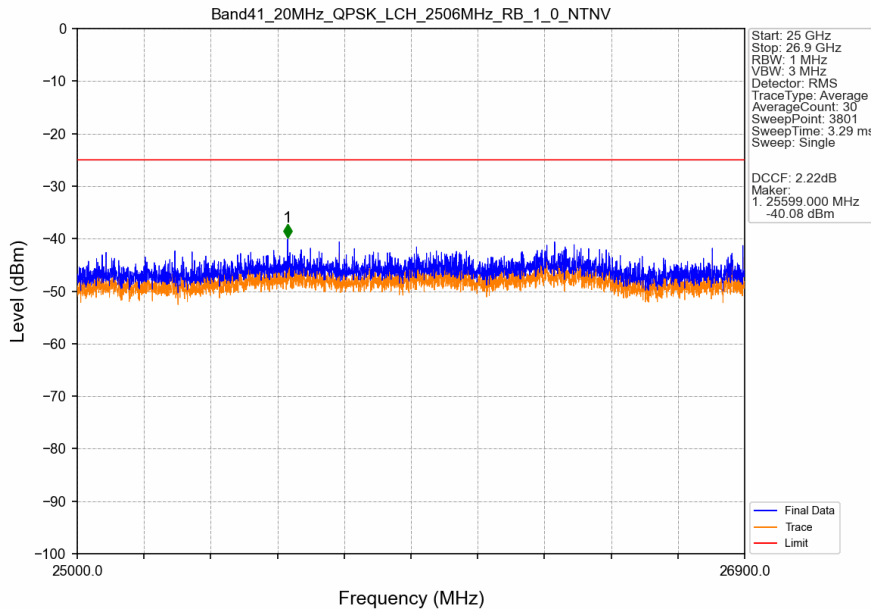
5.2.4 B41_20MHz



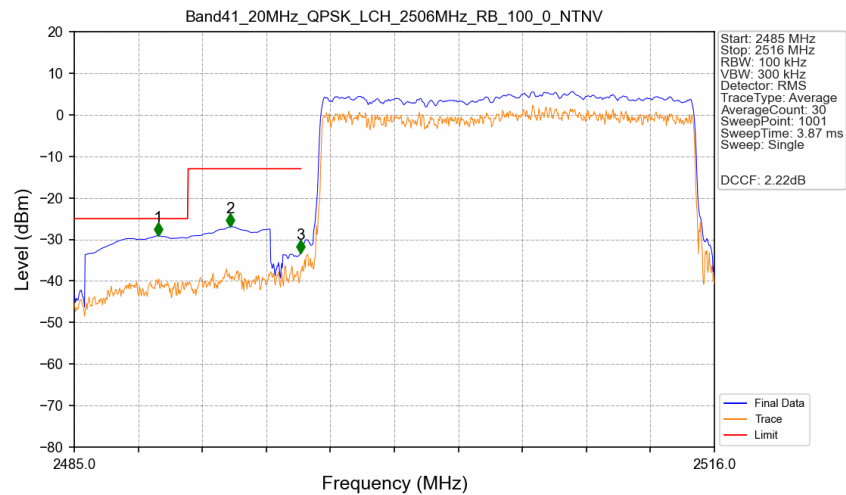
Band41_20MHz_QPSK_LCH_2506MHz_RB_1_0_NTNV



Band41_20MHz_QPSK_LCH_2506MHz_RB_1_0_NTNV

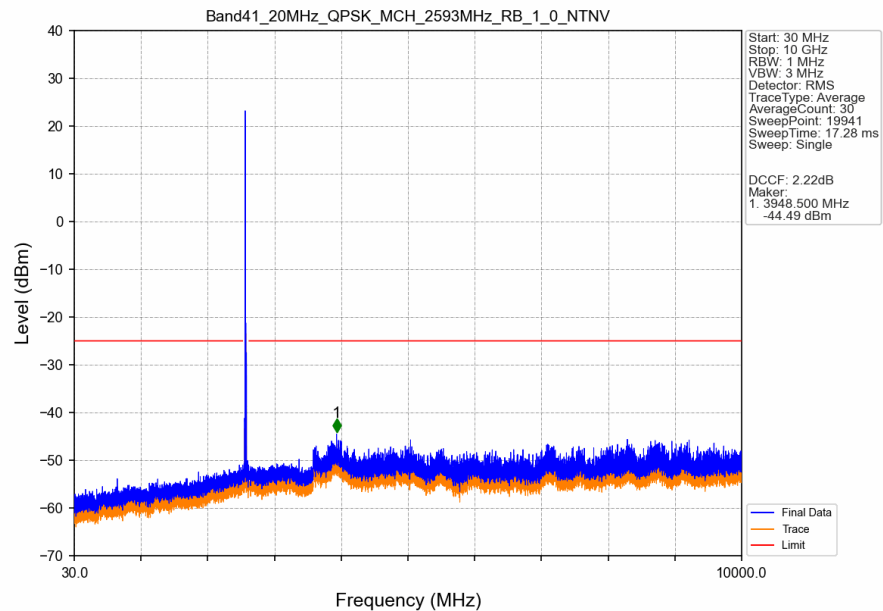


Band41_20MHz_QPSK_LCH_2506MHz_RB_100_0_NTNV

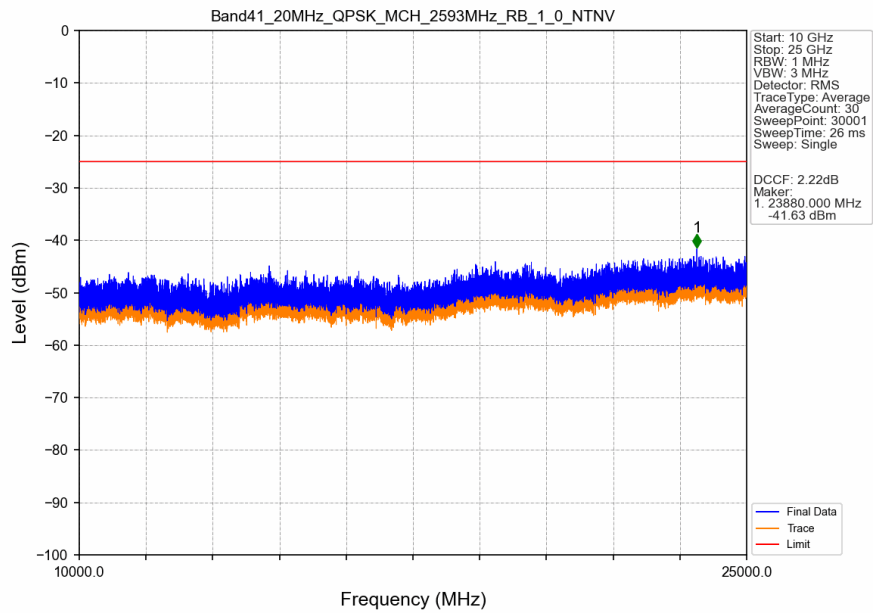


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2489.061	-29.06	-25	Pass
2490.5	2495	1	CHP	2	2492.564	-26.91	-13	Pass
2495	2496	0.198	CHP	3	2495.974	-33.28	-13	Pass
2496	2516	0.198	CHP	/	/	/	/	/

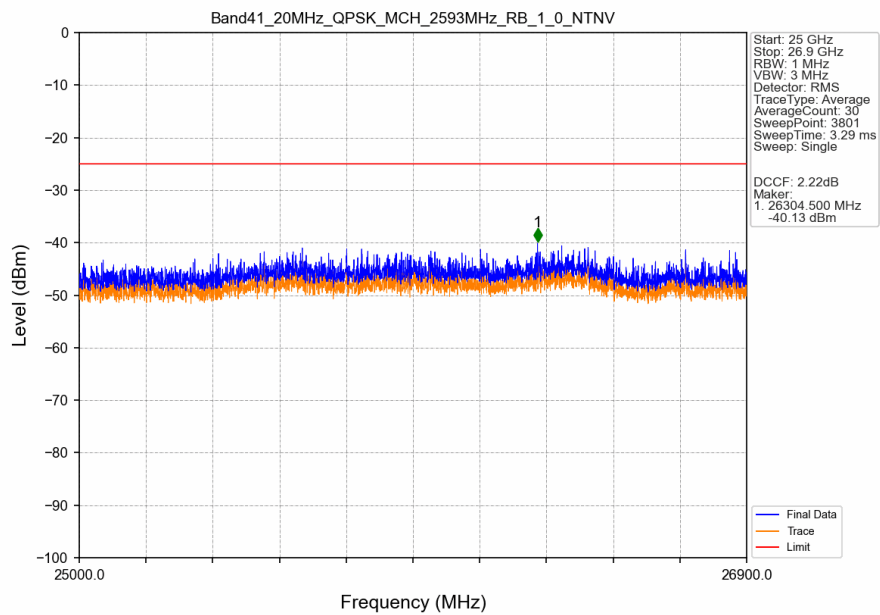
Band41_20MHz_QPSK_MCH_2593MHz_RB_1_0_NTNV



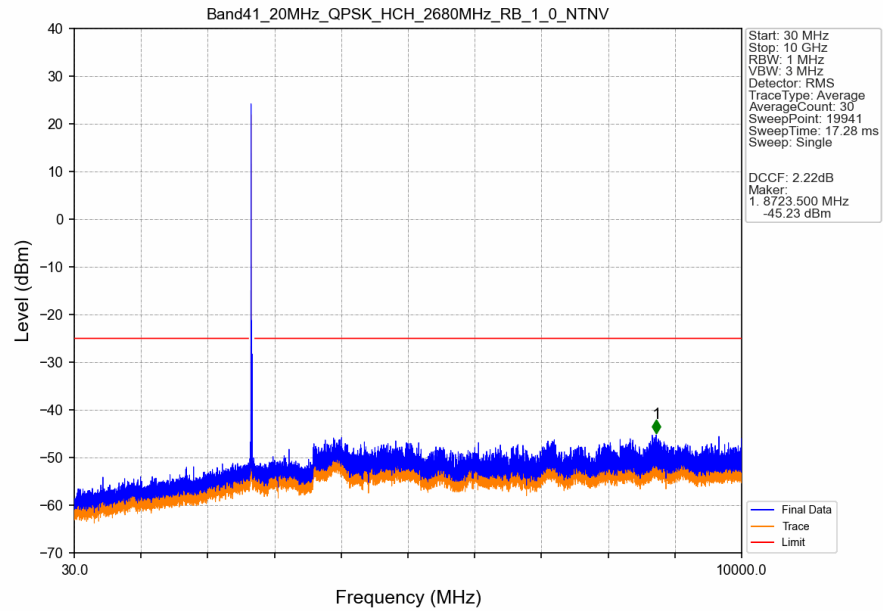
Band41_20MHz_QPSK_MCH_2593MHz_RB_1_0_NTNV



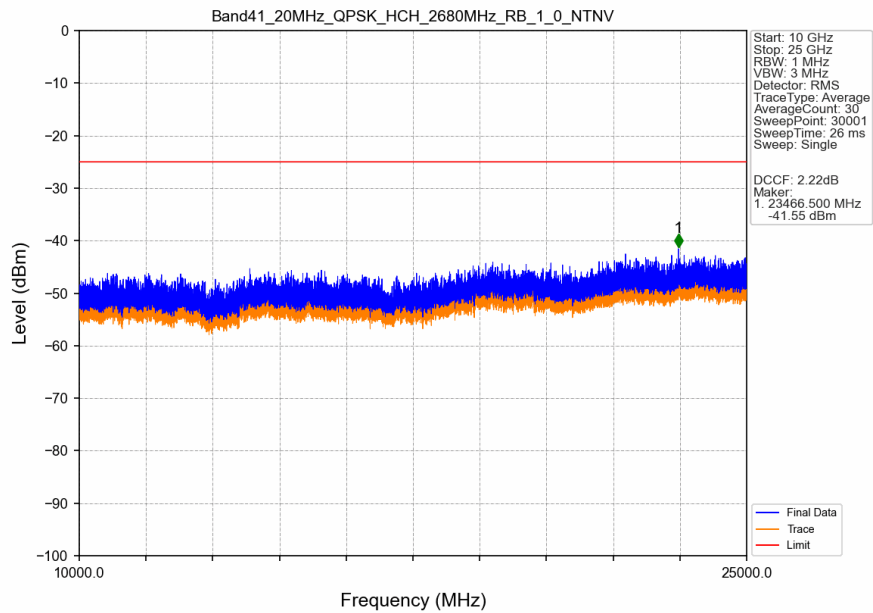
Band41_20MHz_QPSK_MCH_2593MHz_RB_1_0_NTNV



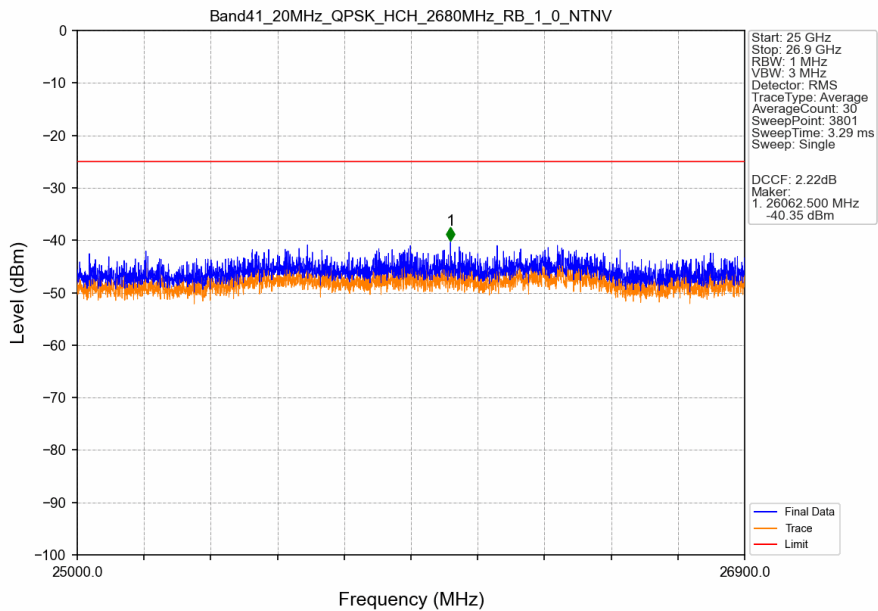
Band41_20MHz_QPSK_HCH_2680MHz_RB_1_0_NTNV



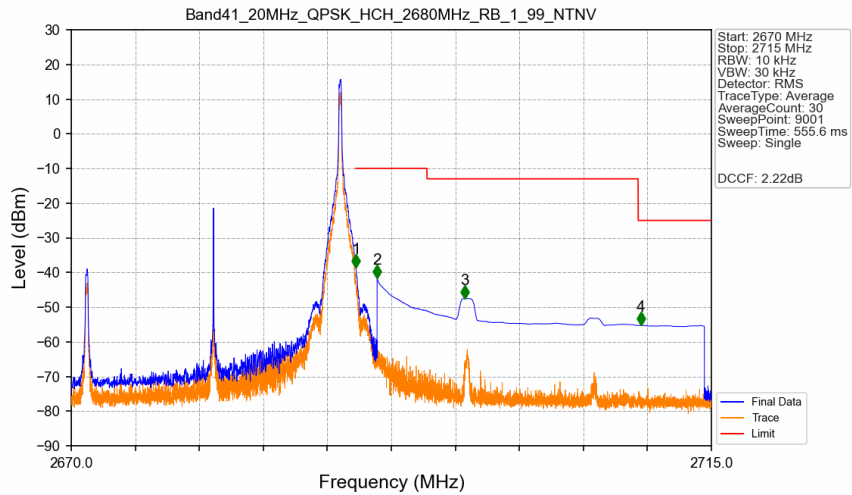
Band41_20MHz_QPSK_HCH_2680MHz_RB_1_0_NTNV



Band41_20MHz_QPSK_HCH_2680MHz_RB_1_0_NTNV

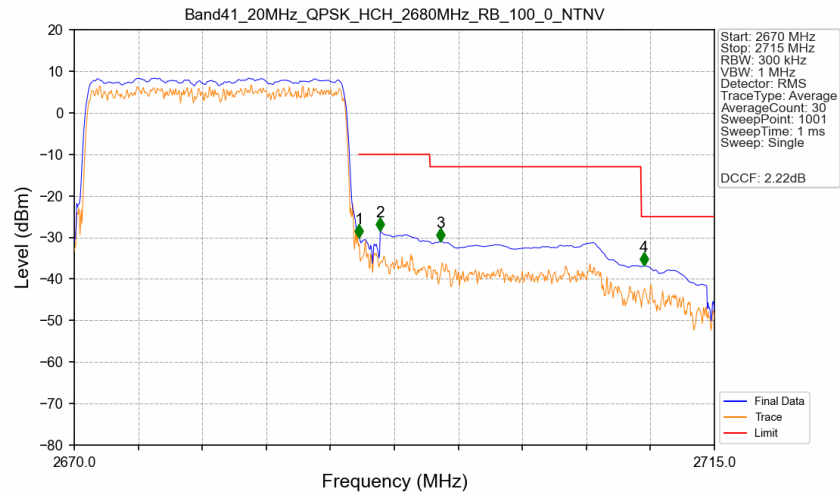


Band41_20MHz_QPSK_HCH_2680MHz_RB_1_99_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2670	2690	0.02	CHP	/	/	/	/	/
2690	2691	0.02	CHP	1	2690.005	-38.53	-10	Pass
2691	2695	1	CHP	2	2691.500	-41.71	-10	Pass
2695	2709.845	1	CHP	3	2697.670	-47.52	-13	Pass
2709.845	2715	1	CHP	4	2710.040	-55.23	-25	Pass

Band41 20MHz QPSK HCH 2680MHz RB 100 0 NTN



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2670	2690	0.397	CHP	/	/	/	/	/
2690	2691	0.397	CHP	1	2690.025	-29.99	-10	Pass
2691	2695	1	CHP	2	2691.510	-28.47	-10	Pass
2695	2709.845	1	CHP	3	2695.740	-31.01	-13	Pass
2709.845	2715	1	CHP	4	2710.050	-36.71	-25	Pass

6. Field Strength of Spurious Radiation

LTE Band 41 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
5082.0	-63.5	-25	-38.5	-69.09	4.6	10.19	Horizontal	Pass
7623.0	-59.91	-25	-34.91	-66.85	4.95	11.89	Horizontal	Pass
10164.0	-56.68	-25	-31.68	-64.25	5.49	13.06	Horizontal	Pass
5082.0	-63.35	-25	-38.35	-68.94	4.6	10.19	Vertical	Pass
7623.0	-60.23	-25	-35.23	-67.17	4.95	11.89	Vertical	Pass
10164.0	-56.53	-25	-31.53	-64.1	5.49	13.06	Vertical	Pass

LTE Band 41 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
5168.0	-63.22	-25	-38.22	-68.84	4.62	10.24	Horizontal	Pass
7752.0	-59.63	-25	-34.63	-66.71	4.96	12.04	Horizontal	Pass
10336.0	-56.97	-25	-31.97	-64.55	5.51	13.09	Horizontal	Pass
5168.0	-62.85	-25	-37.85	-68.47	4.62	10.24	Vertical	Pass
7752.0	-59.35	-25	-34.35	-66.43	4.96	12.04	Vertical	Pass
10336.0	-56.91	-25	-31.91	-64.49	5.51	13.09	Vertical	Pass

LTE Band 41 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
5262.0	-62.01	-25	-37.01	-67.66	4.65	10.3	Horizontal	Pass
7893.0	-58.98	-25	-33.98	-66.21	4.97	12.2	Horizontal	Pass
10524.0	-56.36	-25	-31.36	-63.94	5.55	13.13	Horizontal	Pass
5262.0	-62.4	-25	-37.4	-68.05	4.65	10.3	Vertical	Pass
7893.0	-58.48	-25	-33.48	-65.71	4.97	12.2	Vertical	Pass
10524.0	-56.07	-25	-31.07	-63.65	5.55	13.13	Vertical	Pass