

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 B2_1.4MHz_EIRP

Band: 2 / Bandwidth: 1.4MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1850.7	1	0	24.12	0.21	24.33	<=33.01	Pass
			5	24.13	0.21	24.34	<=33.01	Pass
		6	0	23.12	0.21	23.33	<=33.01	Pass
	1880	1	0	24.13	0.21	24.34	<=33.01	Pass
			5	24.17	0.21	24.38	<=33.01	Pass
		6	0	23.18	0.21	23.39	<=33.01	Pass
	1909.3	1	0	24.08	0.21	24.29	<=33.01	Pass
			5	24.10	0.21	24.31	<=33.01	Pass
		6	0	23.10	0.21	23.31	<=33.01	Pass
16QAM	1850.7	1	0	23.17	0.21	23.38	<=33.01	Pass
			5	23.19	0.21	23.40	<=33.01	Pass
		6	0	22.03	0.21	22.24	<=33.01	Pass
	1880	1	0	23.26	0.21	23.47	<=33.01	Pass
			5	23.28	0.21	23.49	<=33.01	Pass
		6	0	22.11	0.21	22.32	<=33.01	Pass
	1909.3	1	0	23.10	0.21	23.31	<=33.01	Pass
			5	23.17	0.21	23.38	<=33.01	Pass
		6	0	22.05	0.21	22.26	<=33.01	Pass
64QAM	1850.7	1	0	22.03	0.21	22.24	<=33.01	Pass
			5	22.06	0.21	22.27	<=33.01	Pass
		6	0	21.17	0.21	21.38	<=33.01	Pass
	1880	1	0	22.04	0.21	22.25	<=33.01	Pass
			5	22.09	0.21	22.30	<=33.01	Pass
		6	0	21.23	0.21	21.44	<=33.01	Pass
	1909.3	1	0	22.51	0.21	22.72	<=33.01	Pass
			5	22.47	0.21	22.68	<=33.01	Pass
		6	0	21.12	0.21	21.33	<=33.01	Pass
256QAM	1850.7	1	0	19.30	0.21	19.51	<=33.01	Pass
			5	19.30	0.21	19.51	<=33.01	Pass
		6	0	19.25	0.21	19.46	<=33.01	Pass
	1880	1	0	19.37	0.21	19.58	<=33.01	Pass
			5	19.38	0.21	19.59	<=33.01	Pass
		6	0	19.35	0.21	19.56	<=33.01	Pass
	1909.3	1	0	19.41	0.21	19.62	<=33.01	Pass
			5	19.40	0.21	19.61	<=33.01	Pass
		6	0	19.10	0.21	19.31	<=33.01	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.1.2 B2_3MHz_EIRP

Band: 2 / Bandwidth: 3MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1851.5	1	0	24.14	0.21	24.35	<=33.01	Pass
			14	24.14	0.21	24.35	<=33.01	Pass
		15	0	23.15	0.21	23.36	<=33.01	Pass
	1880	1	0	24.31	0.21	24.52	<=33.01	Pass

			14	24.27	0.21	24.48	<=33.01	Pass
		15	0	23.18	0.21	23.39	<=33.01	Pass
	1908.5	1	0	24.21	0.21	24.42	<=33.01	Pass
			14	24.17	0.21	24.38	<=33.01	Pass
		15	0	23.12	0.21	23.33	<=33.01	Pass
16QAM	1851.5	1	0	23.18	0.21	23.39	<=33.01	Pass
			14	23.16	0.21	23.37	<=33.01	Pass
		15	0	22.19	0.21	22.40	<=33.01	Pass
	1880	1	0	23.70	0.21	23.91	<=33.01	Pass
			14	23.70	0.21	23.91	<=33.01	Pass
		15	0	22.27	0.21	22.48	<=33.01	Pass
	1908.5	1	0	23.54	0.21	23.75	<=33.01	Pass
			14	23.60	0.21	23.81	<=33.01	Pass
		15	0	22.21	0.21	22.42	<=33.01	Pass
64QAM	1851.5	1	0	22.06	0.21	22.27	<=33.01	Pass
			14	21.98	0.21	22.19	<=33.01	Pass
		15	0	21.19	0.21	21.40	<=33.01	Pass
	1880	1	0	22.50	0.21	22.71	<=33.01	Pass
			14	22.46	0.21	22.67	<=33.01	Pass
		15	0	21.20	0.21	21.41	<=33.01	Pass
	1908.5	1	0	22.35	0.21	22.56	<=33.01	Pass
			14	22.38	0.21	22.59	<=33.01	Pass
		15	0	21.14	0.21	21.35	<=33.01	Pass
256QAM	1851.5	1	0	19.26	0.21	19.47	<=33.01	Pass
			14	19.28	0.21	19.49	<=33.01	Pass
		15	0	19.26	0.21	19.47	<=33.01	Pass
	1880	1	0	19.72	0.21	19.93	<=33.01	Pass
			14	19.74	0.21	19.95	<=33.01	Pass
		15	0	19.35	0.21	19.56	<=33.01	Pass
	1908.5	1	0	19.57	0.21	19.78	<=33.01	Pass
			14	19.57	0.21	19.78	<=33.01	Pass
		15	0	19.23	0.21	19.44	<=33.01	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.1.3 B2_5MHz_EIRP

Band: 2 / Bandwidth: 5MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1852.5	1	0	24.26	0.21	24.47	<=33.01	Pass
			24	24.28	0.21	24.49	<=33.01	Pass
		25	0	23.25	0.21	23.46	<=33.01	Pass
	1880	1	0	24.40	0.21	24.61	<=33.01	Pass
			24	24.38	0.21	24.59	<=33.01	Pass
		25	0	23.28	0.21	23.49	<=33.01	Pass
	1907.5	1	0	24.27	0.21	24.48	<=33.01	Pass
			24	24.29	0.21	24.50	<=33.01	Pass
		25	0	23.21	0.21	23.42	<=33.01	Pass
16QAM	1852.5	1	0	23.31	0.21	23.52	<=33.01	Pass
			24	23.28	0.21	23.49	<=33.01	Pass
		25	0	22.26	0.21	22.47	<=33.01	Pass
	1880	1	0	23.12	0.21	23.33	<=33.01	Pass
			24	23.11	0.21	23.32	<=33.01	Pass
		25	0	22.31	0.21	22.52	<=33.01	Pass
	1907.5	1	0	22.97	0.21	23.18	<=33.01	Pass
			24	23.02	0.21	23.23	<=33.01	Pass
		25	0	22.26	0.21	22.47	<=33.01	Pass

64QAM	1852.5	1	0	22.41	0.21	22.62	<=33.01	Pass
			24	22.36	0.21	22.57	<=33.01	Pass
		25	0	21.23	0.21	21.44	<=33.01	Pass
	1880	1	0	22.25	0.21	22.46	<=33.01	Pass
			24	22.24	0.21	22.45	<=33.01	Pass
		25	0	21.28	0.21	21.49	<=33.01	Pass
	1907.5	1	0	22.13	0.21	22.34	<=33.01	Pass
			24	22.13	0.21	22.34	<=33.01	Pass
		25	0	21.21	0.21	21.42	<=33.01	Pass
256QAM	1852.5	1	0	19.41	0.21	19.62	<=33.01	Pass
			24	19.34	0.21	19.55	<=33.01	Pass
		25	0	19.35	0.21	19.56	<=33.01	Pass
	1880	1	0	19.12	0.21	19.33	<=33.01	Pass
			24	19.11	0.21	19.32	<=33.01	Pass
		25	0	19.42	0.21	19.63	<=33.01	Pass
	1907.5	1	0	18.93	0.21	19.14	<=33.01	Pass
			24	18.95	0.21	19.16	<=33.01	Pass
		25	0	19.29	0.21	19.50	<=33.01	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.1.4 B2_10MHz_EIRP

Band: 2 / Bandwidth: 10MHz / NTN/V								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1855	1	0	24.28	0.21	24.49	<=33.01	Pass
			49	24.25	0.21	24.46	<=33.01	Pass
		50	0	23.27	0.21	23.48	<=33.01	Pass
	1880	1	0	24.46	0.21	24.67	<=33.01	Pass
			49	24.33	0.21	24.54	<=33.01	Pass
		50	0	23.33	0.21	23.54	<=33.01	Pass
	1905	1	0	24.30	0.21	24.51	<=33.01	Pass
			49	24.28	0.21	24.49	<=33.01	Pass
		50	0	23.23	0.21	23.44	<=33.01	Pass
16QAM	1855	1	0	23.28	0.21	23.49	<=33.01	Pass
			49	23.32	0.21	23.53	<=33.01	Pass
		50	0	22.25	0.21	22.46	<=33.01	Pass
	1880	1	0	23.76	0.21	23.97	<=33.01	Pass
			49	23.82	0.21	24.03	<=33.01	Pass
		50	0	22.36	0.21	22.57	<=33.01	Pass
	1905	1	0	23.64	0.21	23.85	<=33.01	Pass
			49	23.70	0.21	23.91	<=33.01	Pass
		50	0	22.24	0.21	22.45	<=33.01	Pass
64QAM	1855	1	0	22.16	0.21	22.37	<=33.01	Pass
			49	22.05	0.21	22.26	<=33.01	Pass
		50	0	21.25	0.21	21.46	<=33.01	Pass
	1880	1	0	22.61	0.21	22.82	<=33.01	Pass
			49	22.52	0.21	22.73	<=33.01	Pass
		50	0	21.36	0.21	21.57	<=33.01	Pass
	1905	1	0	22.44	0.21	22.65	<=33.01	Pass
			49	22.46	0.21	22.67	<=33.01	Pass
		50	0	21.25	0.21	21.46	<=33.01	Pass
256QAM	1855	1	0	19.42	0.21	19.63	<=33.01	Pass
			49	19.41	0.21	19.62	<=33.01	Pass
		50	0	19.36	0.21	19.57	<=33.01	Pass
	1880	1	0	19.83	0.21	20.04	<=33.01	Pass

	1905	50	0	19.46	0.21	19.67	<=33.01	Pass
		1	0	19.64	0.21	19.85	<=33.01	Pass
			49	19.66	0.21	19.87	<=33.01	Pass
		50	0	19.30	0.21	19.51	<=33.01	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.1.5 B2_15MHz_EIRP

Band: 2 / Bandwidth: 15MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1857.5	1	0	24.23	0.21	24.44	<=33.01	Pass
			74	24.34	0.21	24.55	<=33.01	Pass
		75	0	23.24	0.21	23.45	<=33.01	Pass
	1880	1	0	24.48	0.21	24.69	<=33.01	Pass
			74	24.22	0.21	24.43	<=33.01	Pass
		75	0	23.27	0.21	23.48	<=33.01	Pass
	1902.5	1	0	24.19	0.21	24.40	<=33.01	Pass
			74	24.23	0.21	24.44	<=33.01	Pass
		75	0	23.17	0.21	23.38	<=33.01	Pass
16QAM	1857.5	1	0	23.59	0.21	23.80	<=33.01	Pass
			74	23.44	0.21	23.65	<=33.01	Pass
		75	0	22.29	0.21	22.50	<=33.01	Pass
	1880	1	0	23.75	0.21	23.96	<=33.01	Pass
			74	23.75	0.21	23.96	<=33.01	Pass
		75	0	22.32	0.21	22.53	<=33.01	Pass
	1902.5	1	0	23.61	0.21	23.82	<=33.01	Pass
			74	23.65	0.21	23.86	<=33.01	Pass
		75	0	22.21	0.21	22.42	<=33.01	Pass
64QAM	1857.5	1	0	22.54	0.21	22.75	<=33.01	Pass
			74	22.65	0.21	22.86	<=33.01	Pass
		75	0	21.29	0.21	21.50	<=33.01	Pass
	1880	1	0	22.64	0.21	22.85	<=33.01	Pass
			74	22.45	0.21	22.66	<=33.01	Pass
		75	0	21.32	0.21	21.53	<=33.01	Pass
	1902.5	1	0	22.40	0.21	22.61	<=33.01	Pass
			74	22.43	0.21	22.64	<=33.01	Pass
		75	0	21.24	0.21	21.45	<=33.01	Pass
256QAM	1857.5	1	0	19.60	0.21	19.81	<=33.01	Pass
			74	19.57	0.21	19.78	<=33.01	Pass
		75	0	19.30	0.21	19.51	<=33.01	Pass
	1880	1	0	19.79	0.21	20.00	<=33.01	Pass
			74	19.71	0.21	19.92	<=33.01	Pass
		75	0	19.40	0.21	19.61	<=33.01	Pass
	1902.5	1	0	19.61	0.21	19.82	<=33.01	Pass
			74	19.59	0.21	19.80	<=33.01	Pass
		75	0	19.24	0.21	19.45	<=33.01	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.1.6 B2_20MHz_EIRP

Band: 2 / Bandwidth: 20MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1860	1	0	24.22	0.21	24.43	<=33.01	Pass
			99	24.20	0.21	24.41	<=33.01	Pass

		100	0	23.28	0.21	23.49	<=33.01	Pass
	1880	1	0	24.25	0.21	24.46	<=33.01	Pass
			99	24.19	0.21	24.40	<=33.01	Pass
		100	0	23.37	0.21	23.58	<=33.01	Pass
	1900	1	0	24.18	0.21	24.39	<=33.01	Pass
			99	24.17	0.21	24.38	<=33.01	Pass
100		0	23.14	0.21	23.35	<=33.01	Pass	
16QAM	1860	1	0	23.84	0.21	24.05	<=33.01	Pass
			99	23.84	0.21	24.05	<=33.01	Pass
		100	0	22.30	0.21	22.51	<=33.01	Pass
	1880	1	0	23.52	0.21	23.73	<=33.01	Pass
			99	23.41	0.21	23.62	<=33.01	Pass
		100	0	22.35	0.21	22.56	<=33.01	Pass
	1900	1	0	23.44	0.21	23.65	<=33.01	Pass
			99	23.40	0.21	23.61	<=33.01	Pass
		100	0	22.15	0.21	22.36	<=33.01	Pass
64QAM	1860	1	0	22.10	0.21	22.31	<=33.01	Pass
			99	22.16	0.21	22.37	<=33.01	Pass
		100	0	21.30	0.21	21.51	<=33.01	Pass
	1880	1	0	22.48	0.21	22.69	<=33.01	Pass
			99	22.47	0.21	22.68	<=33.01	Pass
		100	0	21.33	0.21	21.54	<=33.01	Pass
	1900	1	0	22.34	0.21	22.55	<=33.01	Pass
			99	22.30	0.21	22.51	<=33.01	Pass
		100	0	21.13	0.21	21.34	<=33.01	Pass
256QAM	1860	1	0	19.23	0.21	19.44	<=33.01	Pass
			99	19.26	0.21	19.47	<=33.01	Pass
		100	0	19.28	0.21	19.49	<=33.01	Pass
	1880	1	0	19.57	0.21	19.78	<=33.01	Pass
			99	19.48	0.21	19.69	<=33.01	Pass
		100	0	19.39	0.21	19.60	<=33.01	Pass
	1900	1	0	19.48	0.21	19.69	<=33.01	Pass
			99	19.40	0.21	19.61	<=33.01	Pass
		100	0	19.15	0.21	19.36	<=33.01	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

Note1: EIRP=Conducted Power+Antenna Gain

2. Frequency Stability

2.1 Test Result

2.1.1 B2_10MHz

Band: 2 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1880	50	0	20	3.7	-3.018	-0.0016	-2.5 to 2.5	Pass
					3.91	-3.719	-0.0020	-2.5 to 2.5	Pass
					4.3	-5.221	-0.0028	-2.5 to 2.5	Pass
				-30	3.91	-3.347	-0.0018	-2.5 to 2.5	Pass
				-20	3.91	-2.704	-0.0014	-2.5 to 2.5	Pass
				-10	3.91	1.101	0.0006	-2.5 to 2.5	Pass
				0	3.91	1.087	0.0006	-2.5 to 2.5	Pass
				10	3.91	-0.916	-0.0005	-2.5 to 2.5	Pass
				30	3.91	-2.890	-0.0015	-2.5 to 2.5	Pass
				40	3.91	-1.259	-0.0007	-2.5 to 2.5	Pass
				50	3.91	-0.758	-0.0004	-2.5 to 2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 Band2_OBW

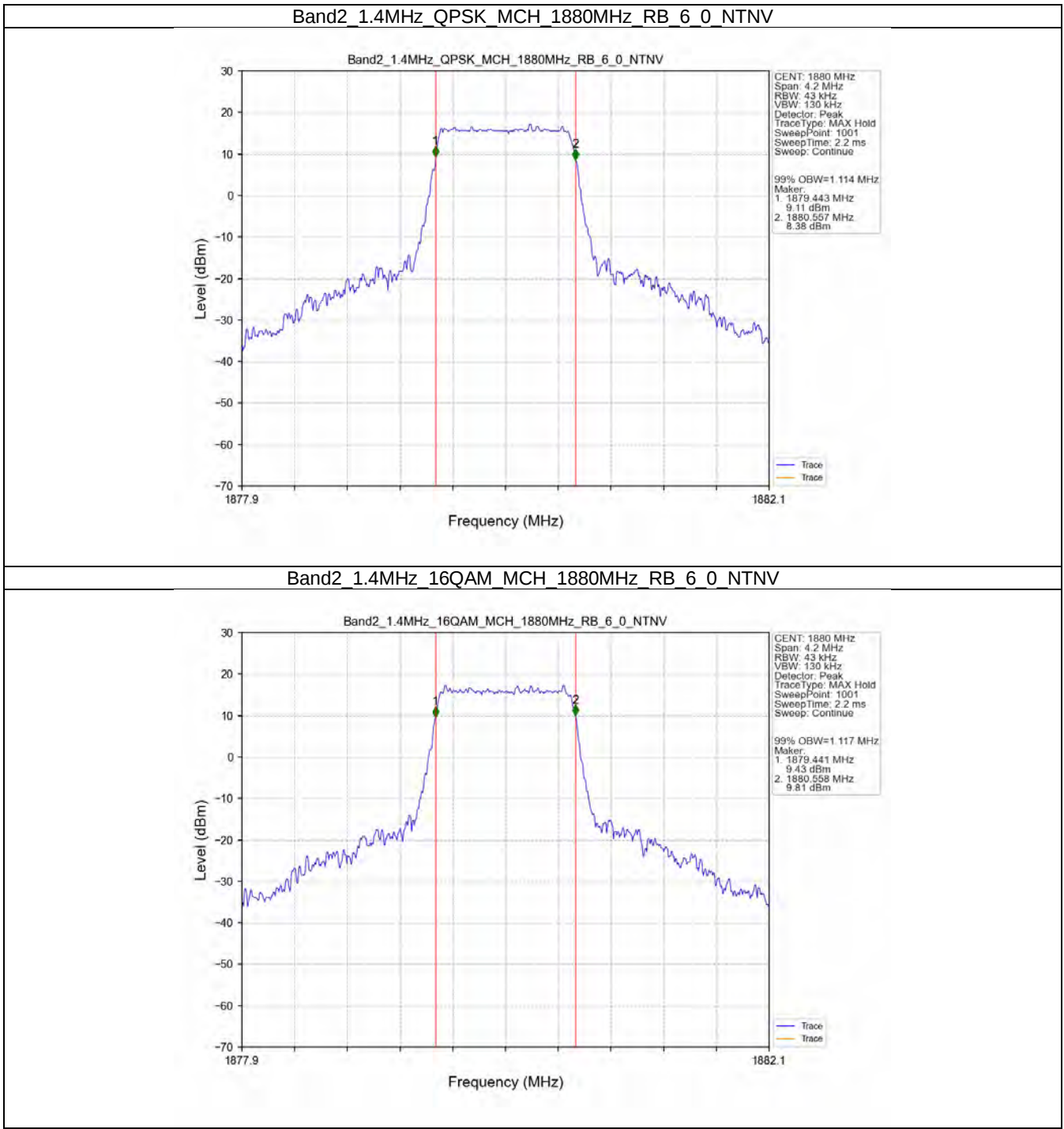
Band: 2 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	1880	6	0	1.114	/	Pass
	16QAM	1880	6	0	1.117	/	Pass
3	QPSK	1880	15	0	2.745	/	Pass
	16QAM	1880	15	0	2.743	/	Pass
5	QPSK	1880	25	0	4.559	/	Pass
	16QAM	1880	25	0	4.542	/	Pass
10	QPSK	1880	50	0	9.087	/	Pass
	16QAM	1880	50	0	9.082	/	Pass
15	QPSK	1880	75	0	13.604	/	Pass
	16QAM	1880	75	0	13.598	/	Pass
20	QPSK	1880	100	0	18.104	/	Pass
	16QAM	1880	100	0	18.104	/	Pass

3.1.2 Band2_XDB

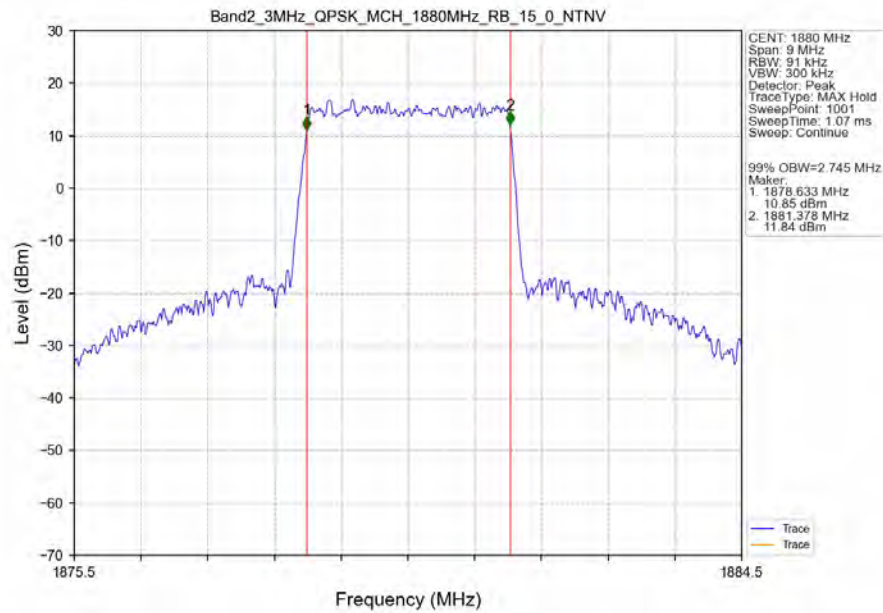
Band: 2 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	1880	6	0	1.329	/	Pass
	16QAM	1880	6	0	1.328	/	Pass
3	QPSK	1880	15	0	3.016	/	Pass
	16QAM	1880	15	0	3.032	/	Pass
5	QPSK	1880	25	0	5.043	/	Pass
	16QAM	1880	25	0	5.045	/	Pass
10	QPSK	1880	50	0	10.083	/	Pass
	16QAM	1880	50	0	10.013	/	Pass
15	QPSK	1880	75	0	14.928	/	Pass
	16QAM	1880	75	0	14.945	/	Pass
20	QPSK	1880	100	0	22.760	/	Pass
	16QAM	1880	100	0	21.288	/	Pass

3.2 Test Graph

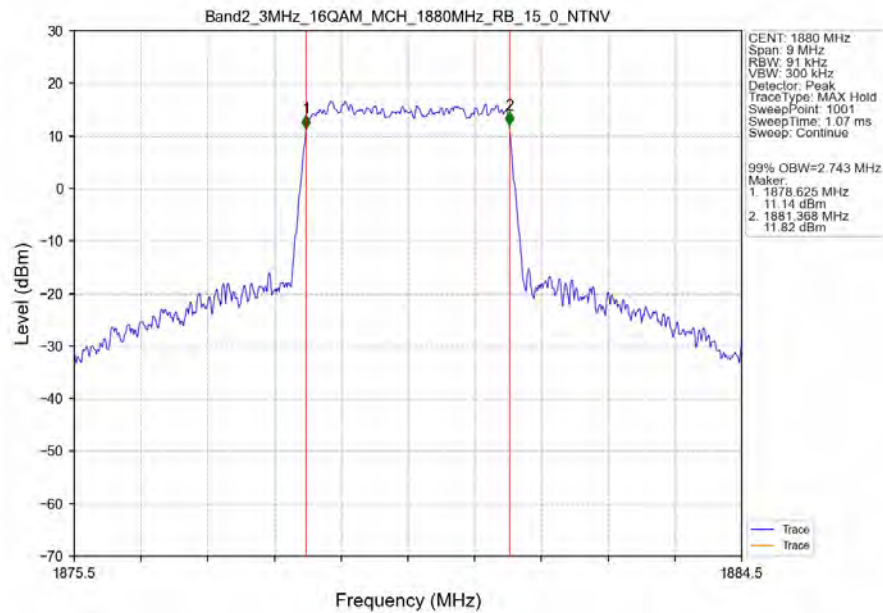
3.2.1 Band2_OBW



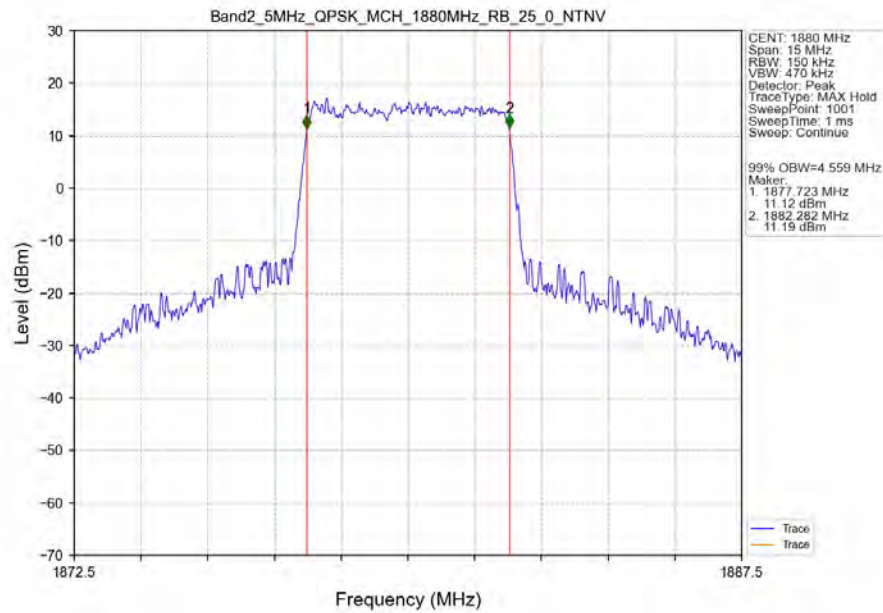
Band2 3MHz QPSK MCH 1880MHz RB 15 0 NTNV



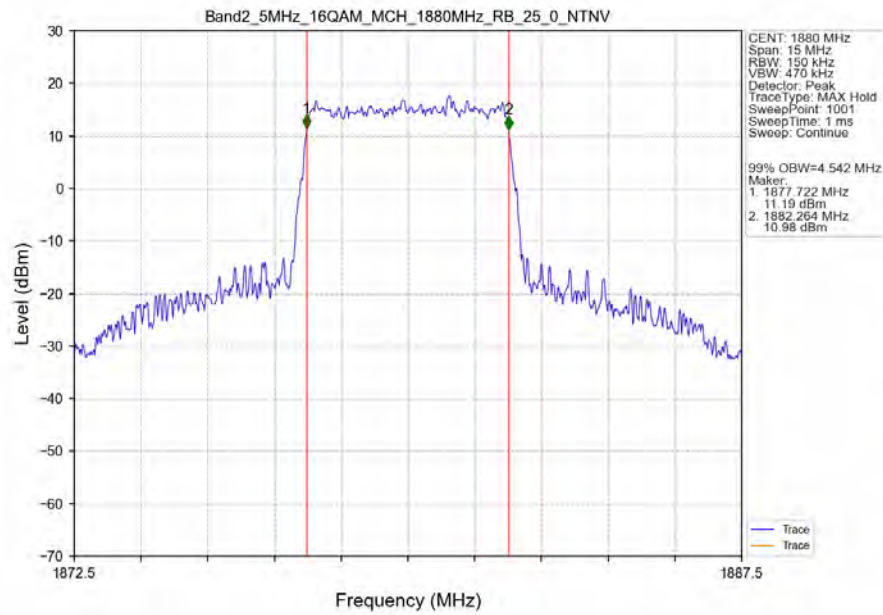
Band2 3MHz 16QAM MCH 1880MHz RB 15 0 NTNV



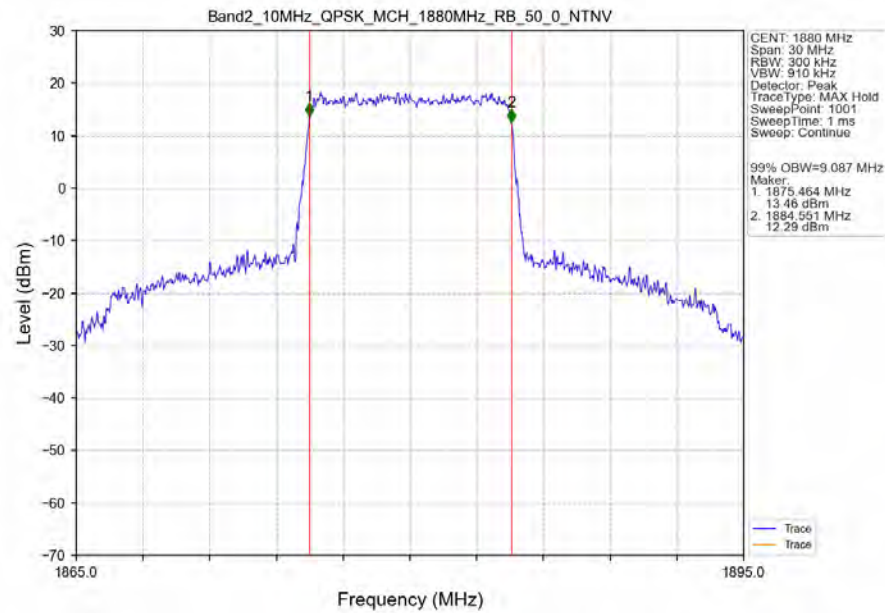
Band2 5MHz QPSK MCH 1880MHz RB 25 0 NTNV



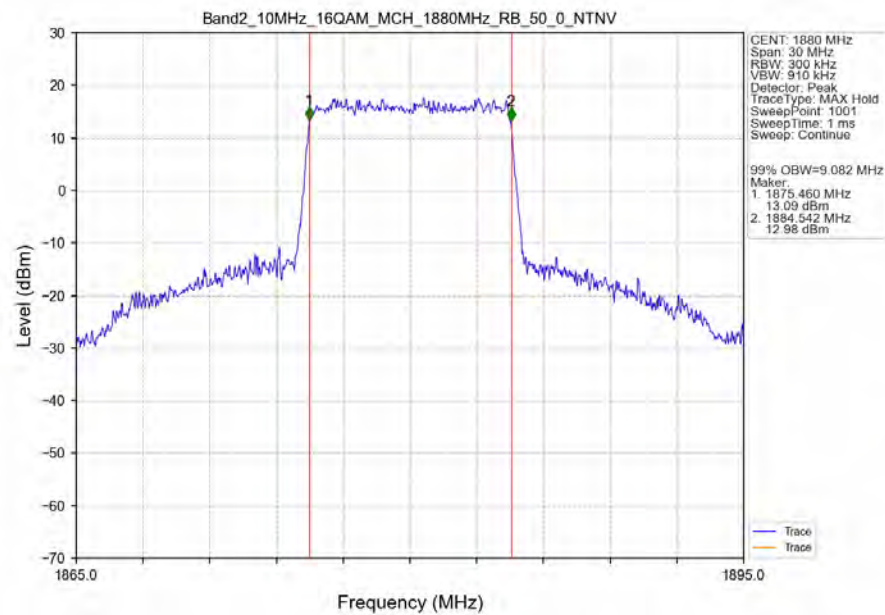
Band2 5MHz 16QAM MCH 1880MHz RB 25 0 NTNV



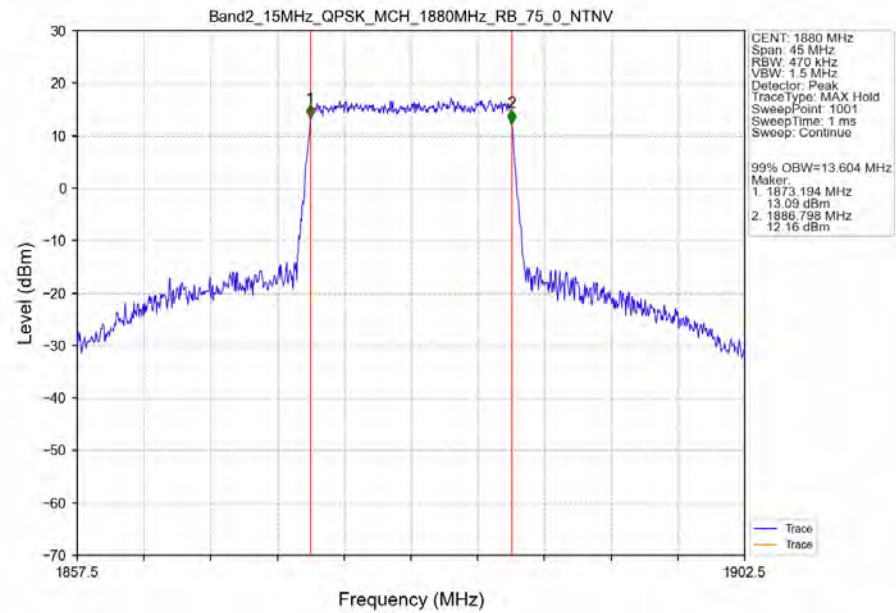
Band2 10MHz QPSK MCH 1880MHz RB 50 0 NTV



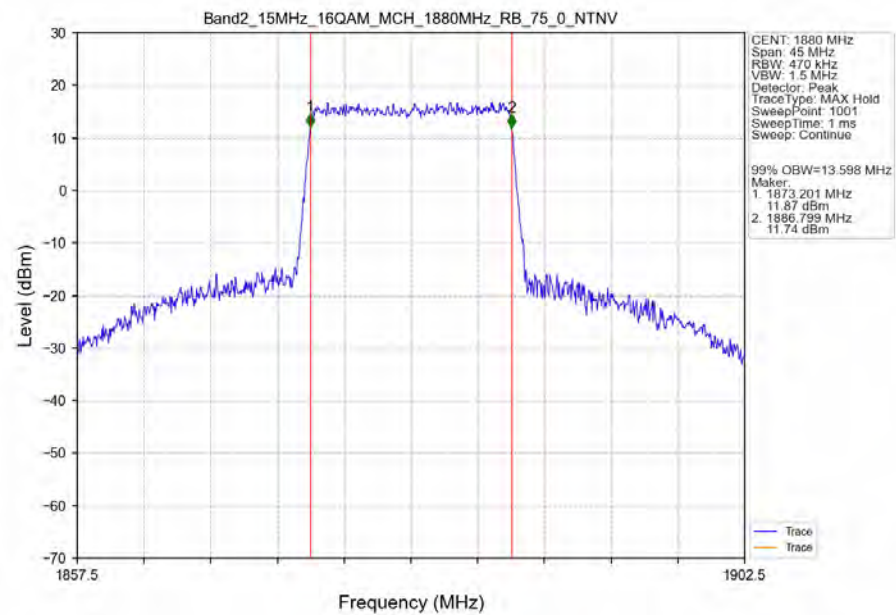
Band2 10MHz 16QAM MCH 1880MHz RB 50 0 NTV



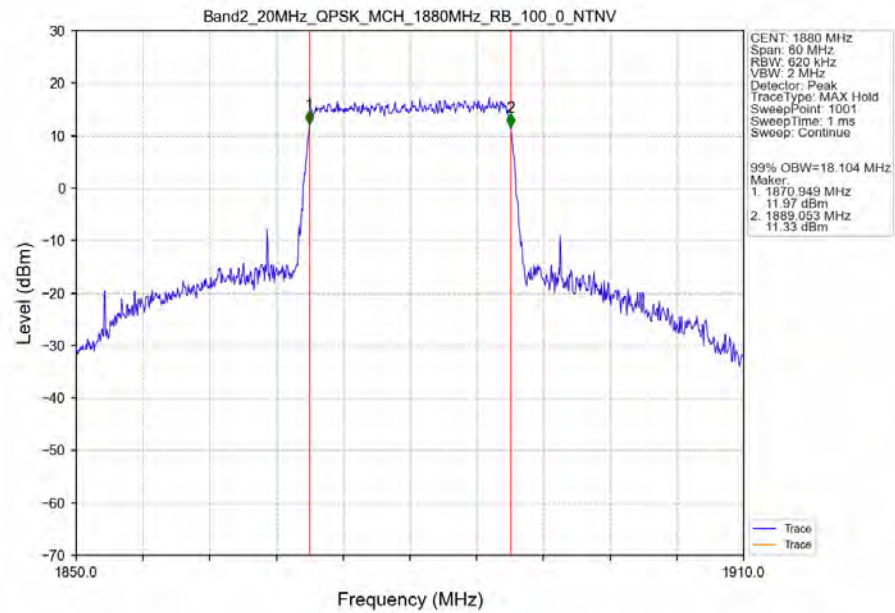
Band2 15MHz QPSK MCH 1880MHz RB 75 0 NTV



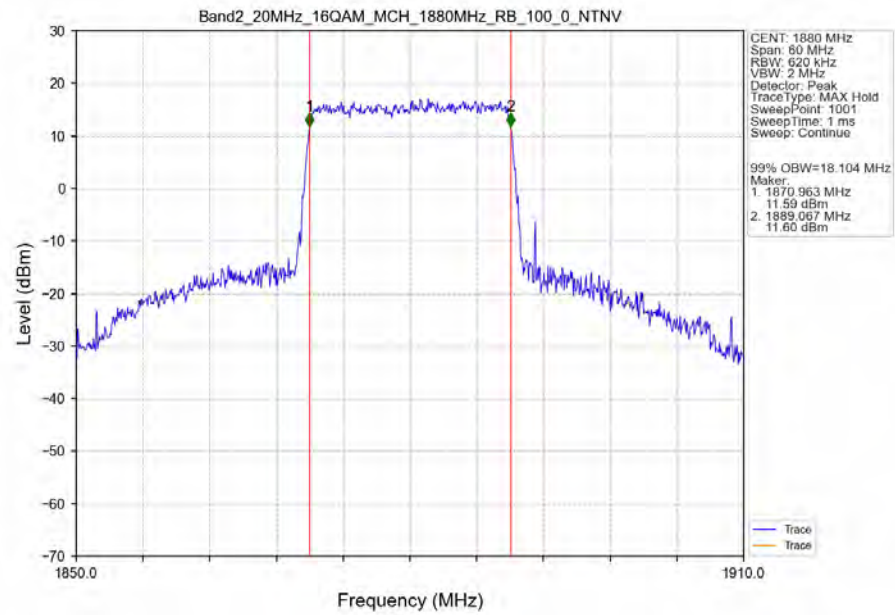
Band2 15MHz 16QAM MCH 1880MHz RB 75 0 NTV



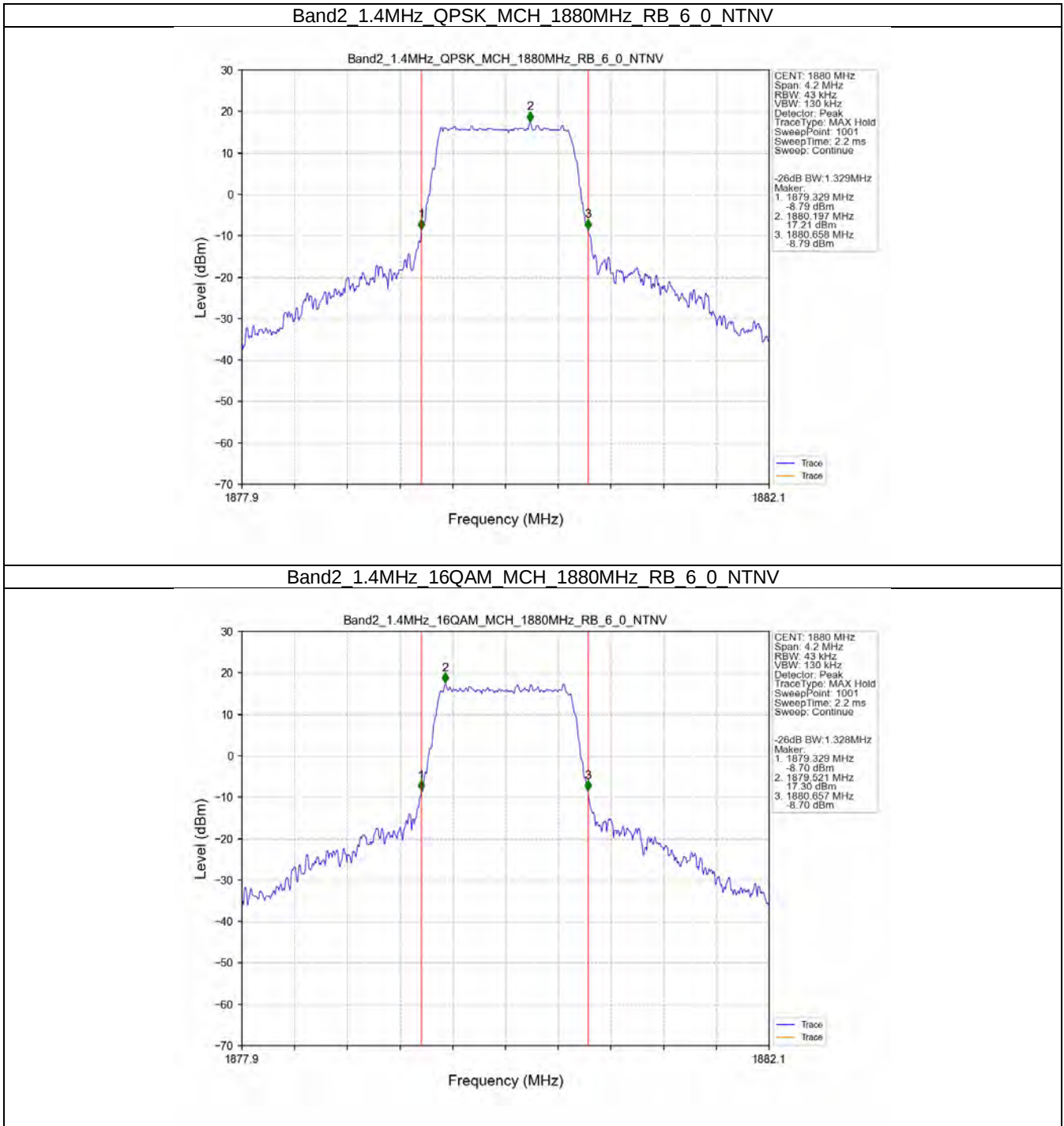
Band2 20MHz QPSK MCH 1880MHz RB 100 0 NTNV



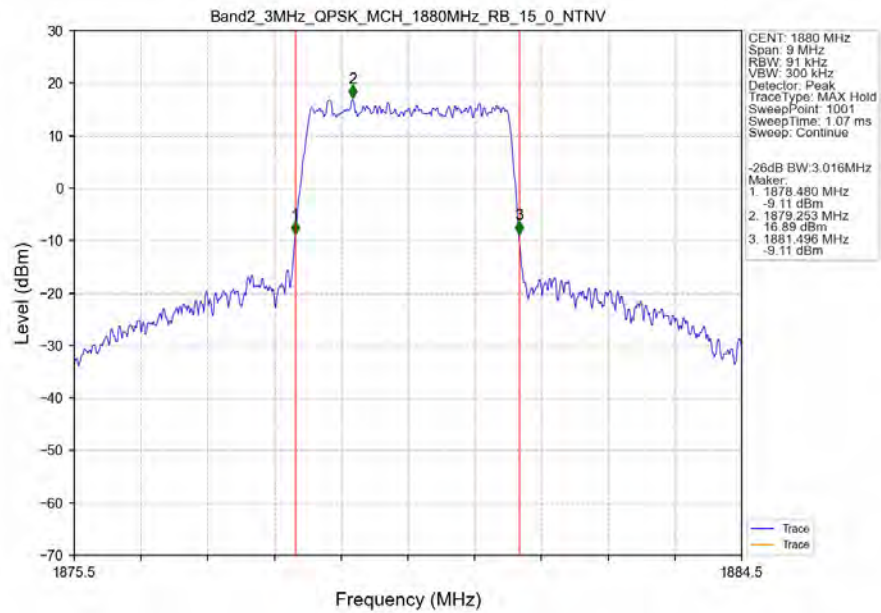
Band2 20MHz 16QAM MCH 1880MHz RB 100 0 NTNV



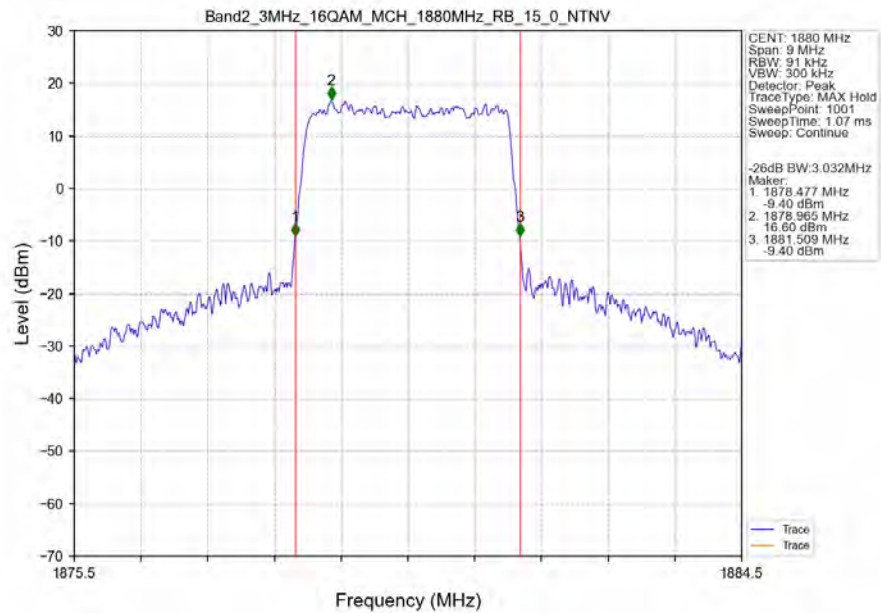
3.2.2 Band2_XDB



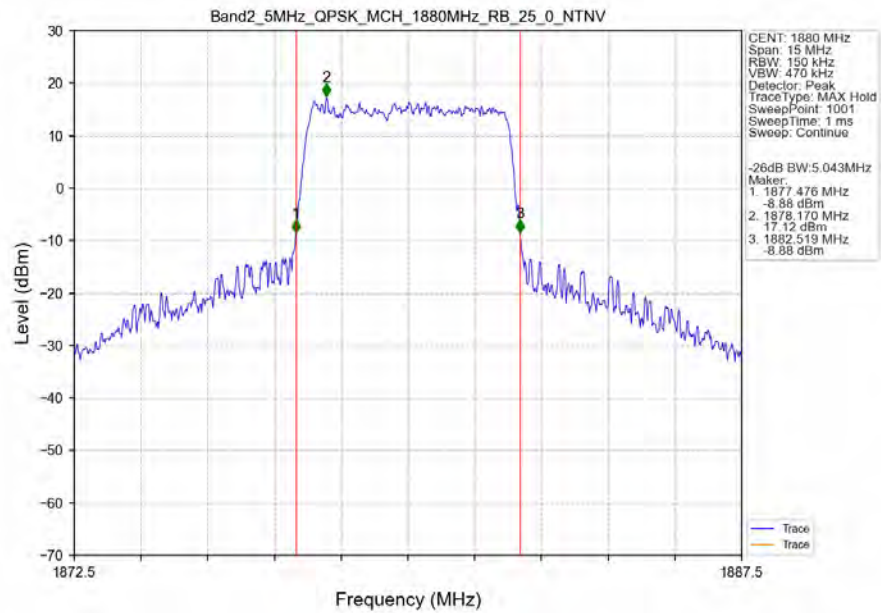
Band2 3MHz QPSK MCH 1880MHz RB 15 0 NTN



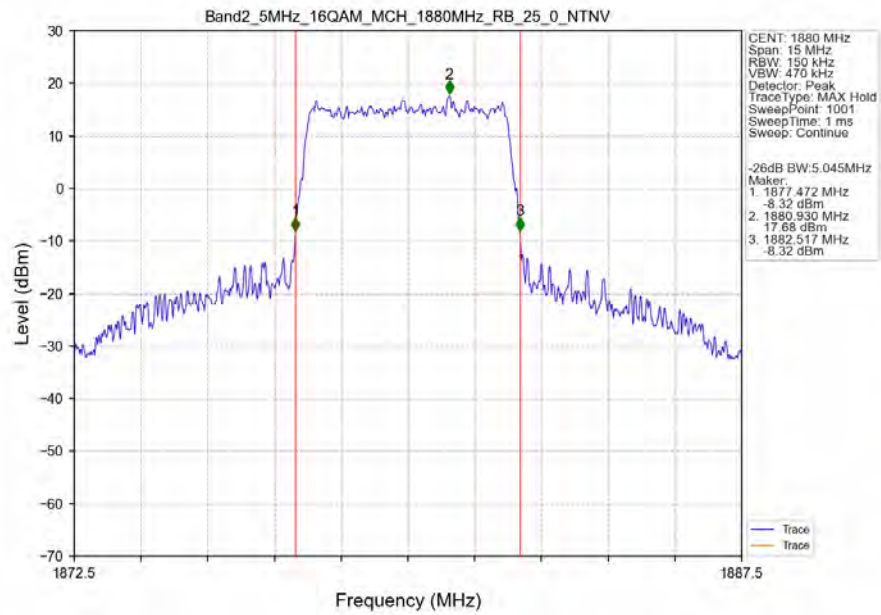
Band2 3MHz 16QAM MCH 1880MHz RB 15 0 NTN



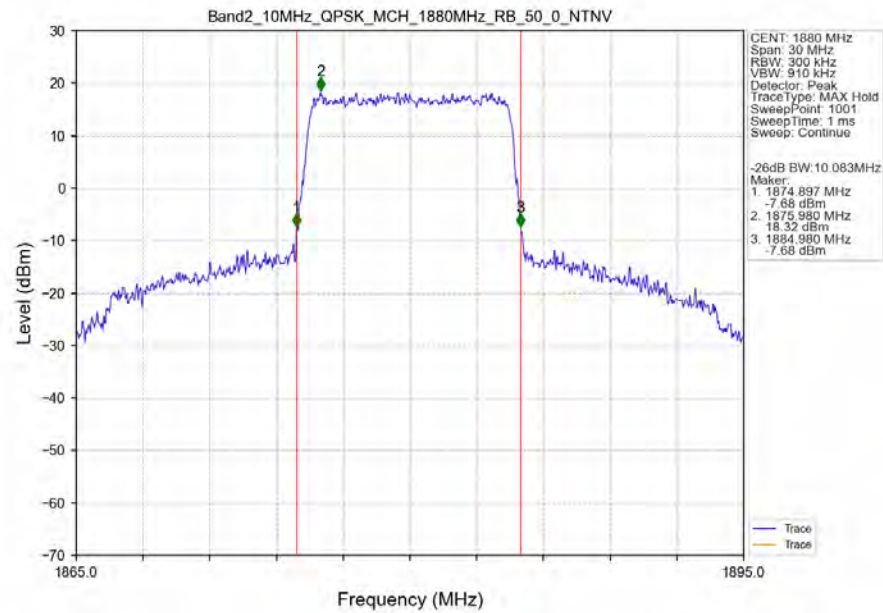
Band2 5MHz QPSK MCH 1880MHz RB 25 0 NTNV



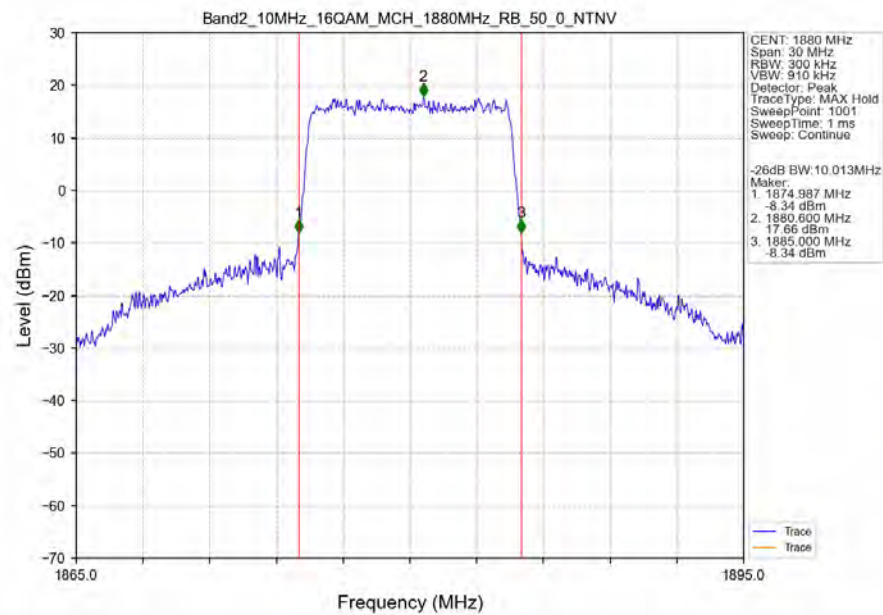
Band2 5MHz 16QAM MCH 1880MHz RB 25 0 NTNV



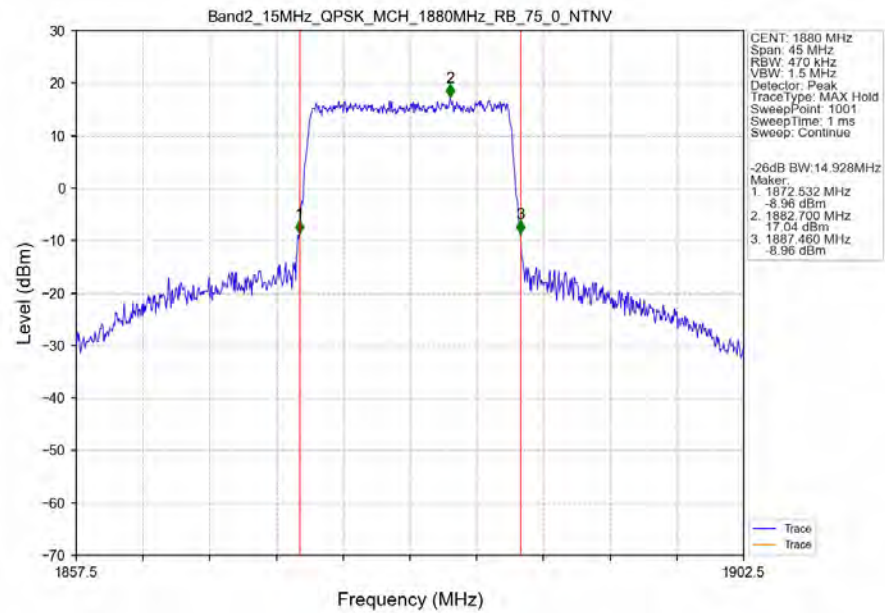
Band2 10MHz QPSK MCH 1880MHz RB 50 0 NTN



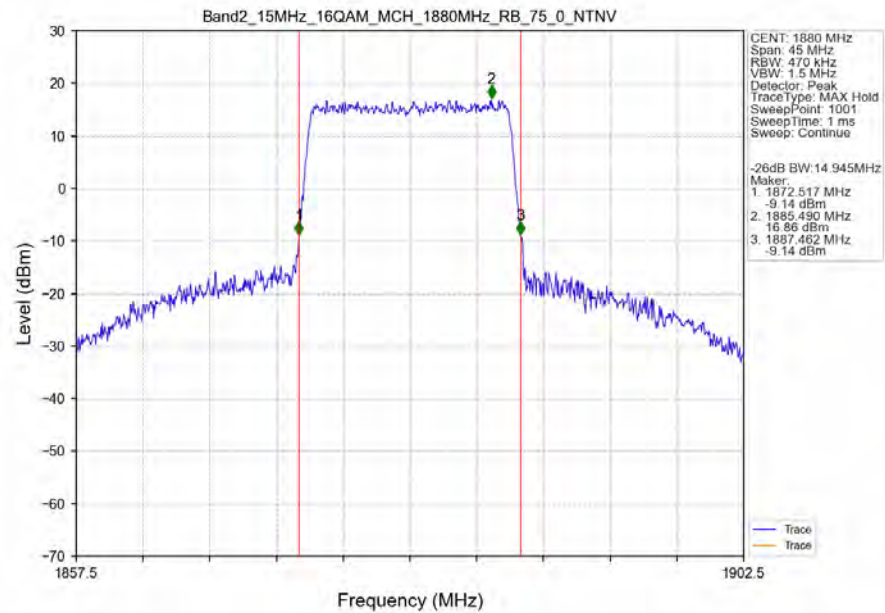
Band2 10MHz 16QAM MCH 1880MHz RB 50 0 NTN



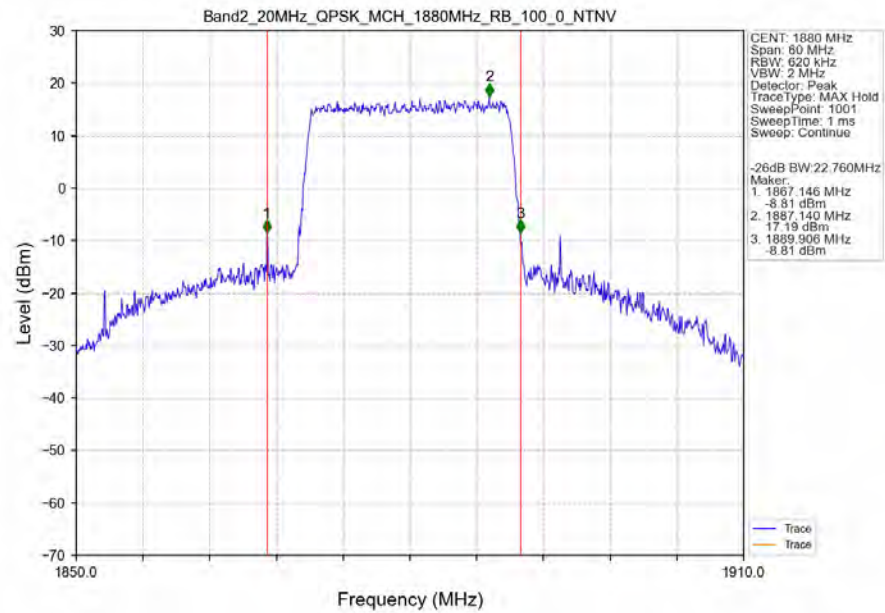
Band2 15MHz QPSK MCH 1880MHz RB 75 0 NTV



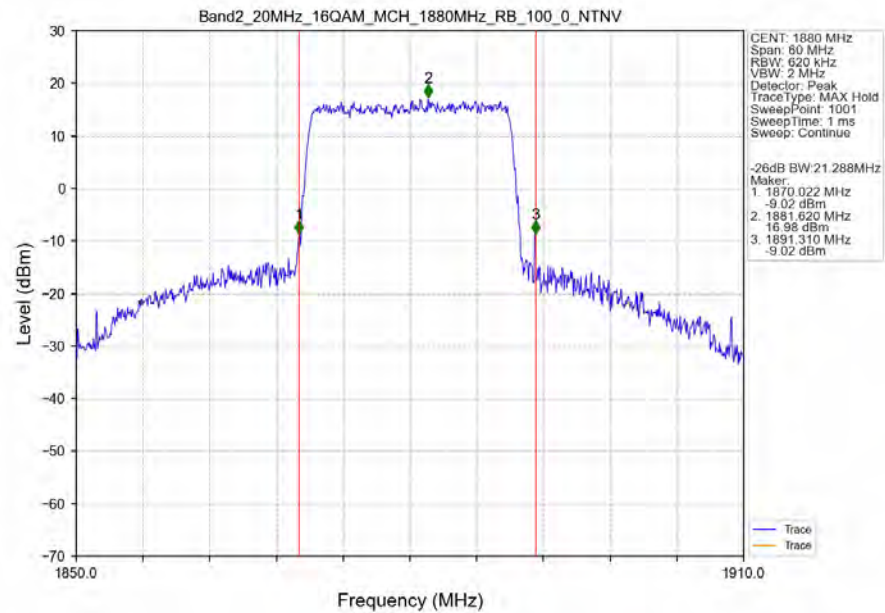
Band2 15MHz 16QAM MCH 1880MHz RB 75 0 NTV



Band2 20MHz QPSK MCH 1880MHz RB 100 0 NTNV



Band2 20MHz 16QAM MCH 1880MHz RB 100 0 NTNV



4. Peak-Average Ratio

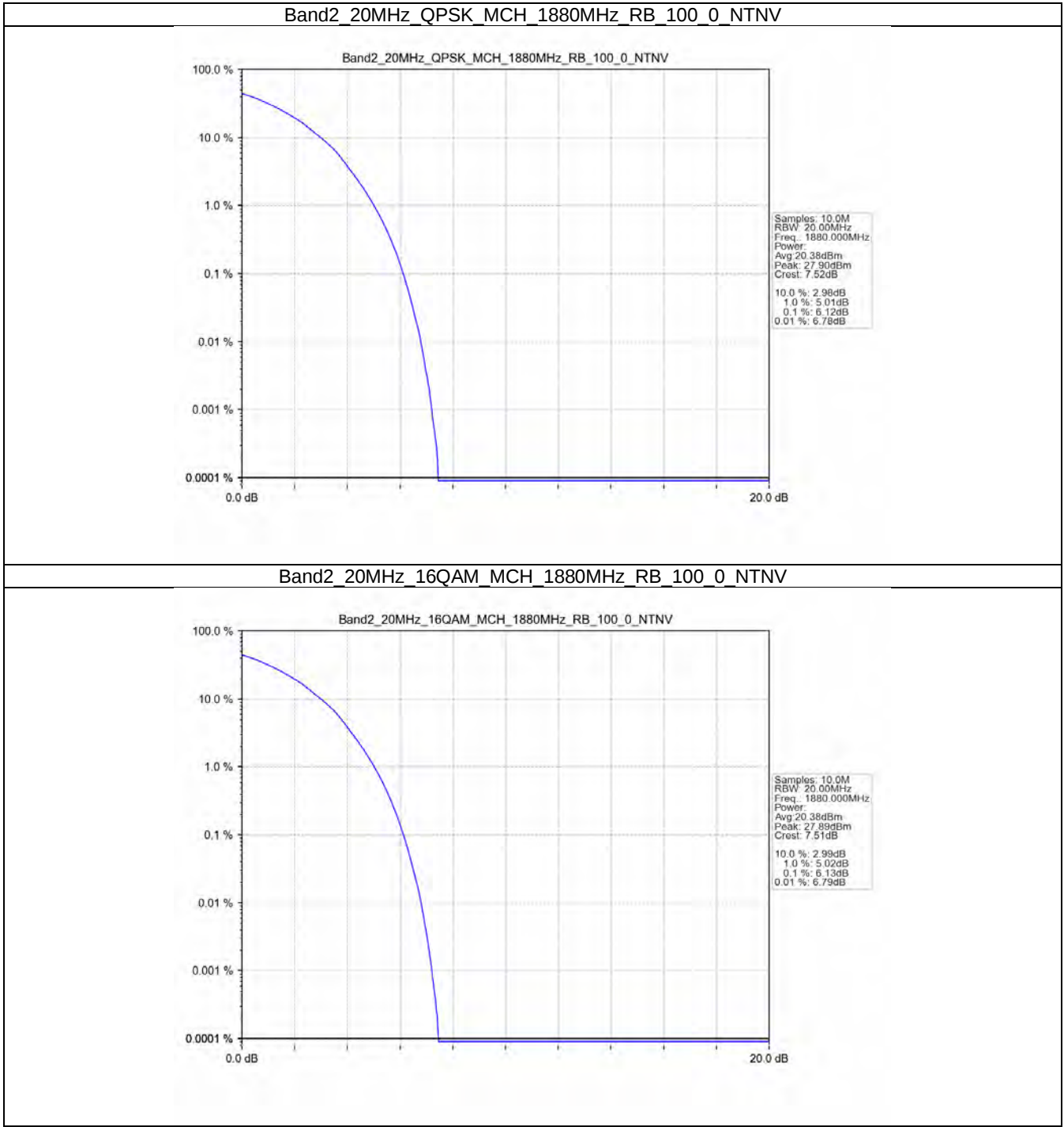
4.1 Test Result

4.1.1 B2_20MHz

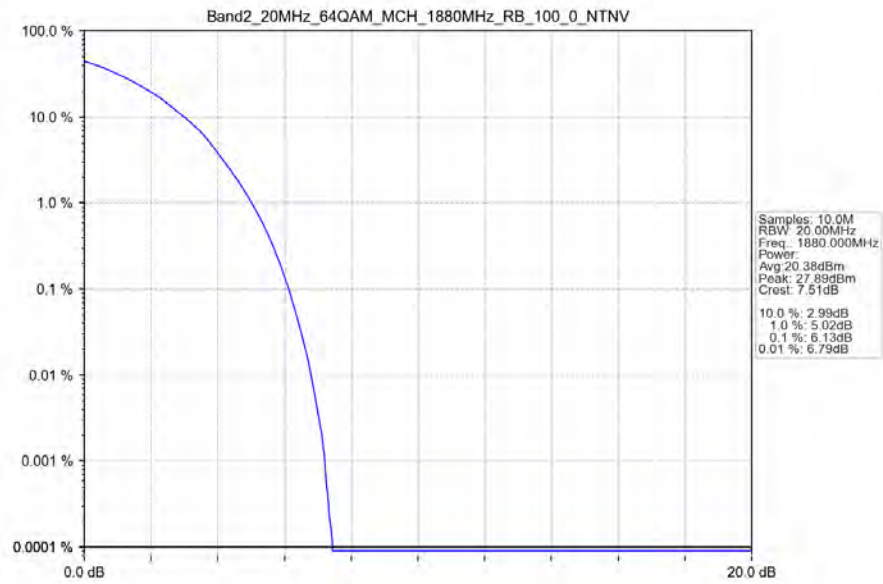
Band: 2 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1880	100	0	6.12	<=13	Pass
16QAM	1880	100	0	6.13	<=13	Pass
64QAM	1880	100	0	6.13	<=13	Pass
256QAM	1880	100	0	6.66	<=13	Pass

4.2 Test Graph

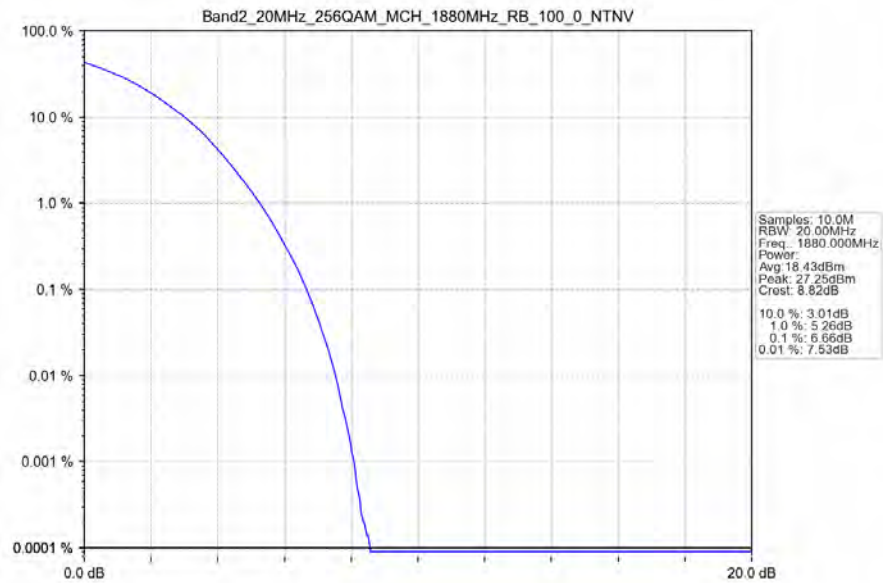
4.2.1 B2_20MHz



Band2 20MHz 64QAM MCH 1880MHz RB 100 0 NTNV



Band2 20MHz 256QAM MCH 1880MHz RB 100 0 NTNV



5. Spurious Emission

5.1 Test Result

5.1.1 B2_1.4MHz

Band: 2 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	1850.7	1	0	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
	1880	1	0	Refer To Test Graph		Pass
	1909.3	1	0	Refer To Test Graph		Pass
			5	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass

5.1.2 B2_3MHz

Band: 2 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	1851.5	1	0	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass
	1880	1	0	Refer To Test Graph		Pass
	1908.5	1	0	Refer To Test Graph		Pass
			14	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass

5.1.3 B2_5MHz

Band: 2 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	1852.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	1880	1	0	Refer To Test Graph		Pass
	1907.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass

5.1.4 B2_10MHz

Band: 2 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	1855	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	1880	1	0	Refer To Test Graph		Pass
	1905	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass

5.1.5 B2_15MHz

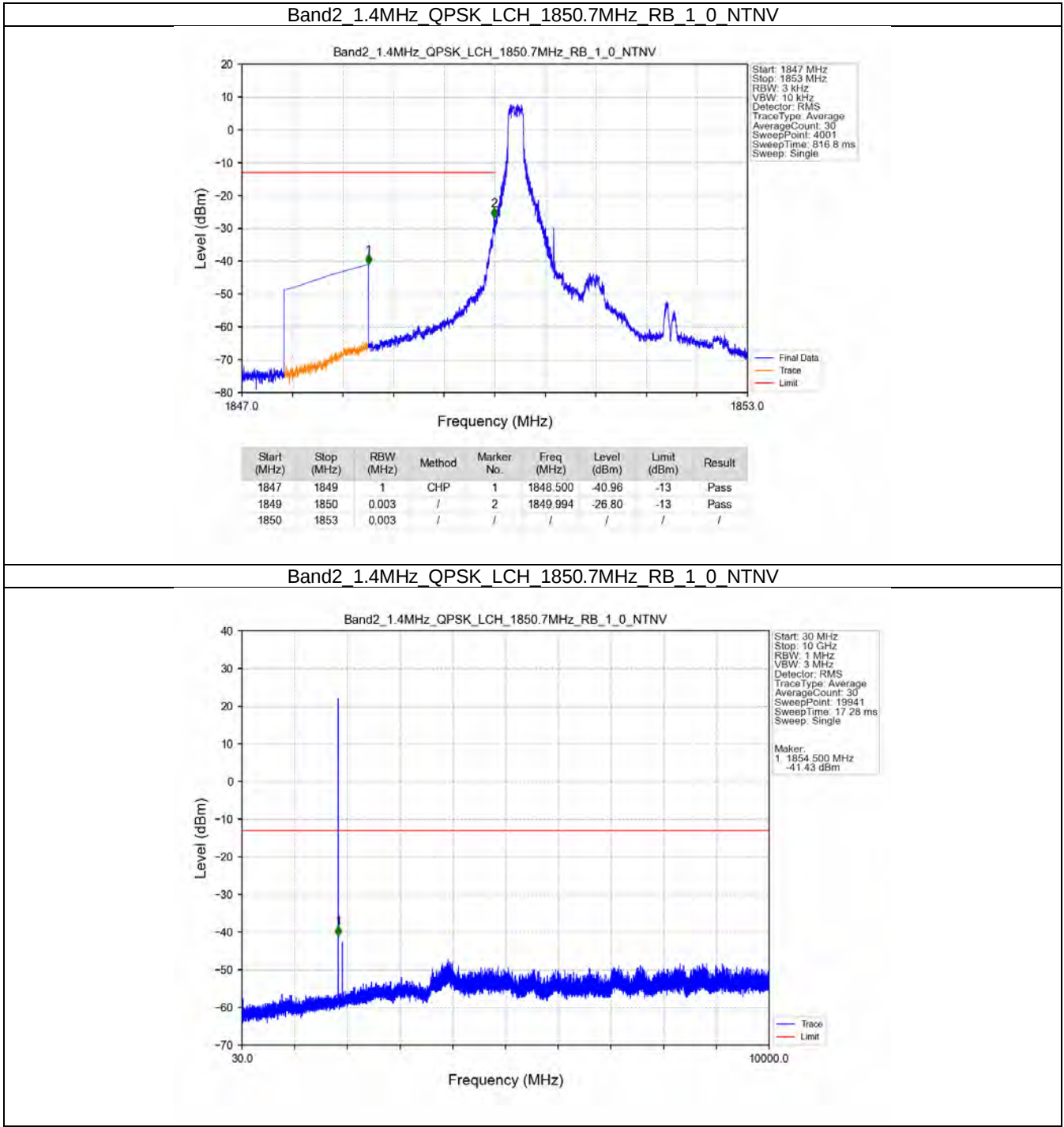
Band: 2 / Bandwidth: 15MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	1857.5	1	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	1880	1	0	Refer To Test Graph		Pass
	1902.5	1	0	Refer To Test Graph		Pass
			74	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass

5.1.6 B2_20MHz

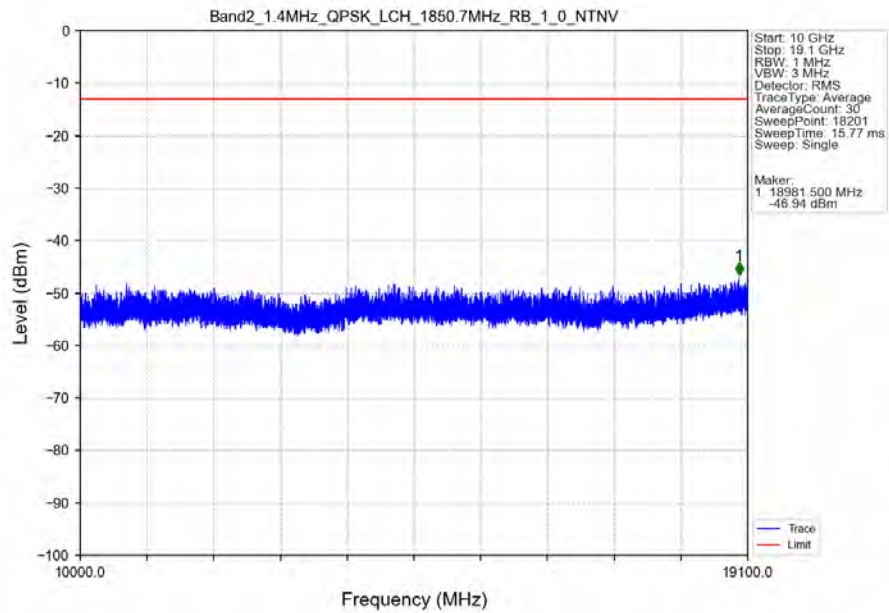
Band: 2 / Bandwidth: 20MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	1860	1	0	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	1880	1	0	Refer To Test Graph		Pass
	1900	1	0	Refer To Test Graph		Pass
			99	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass

5.2 Test Graph

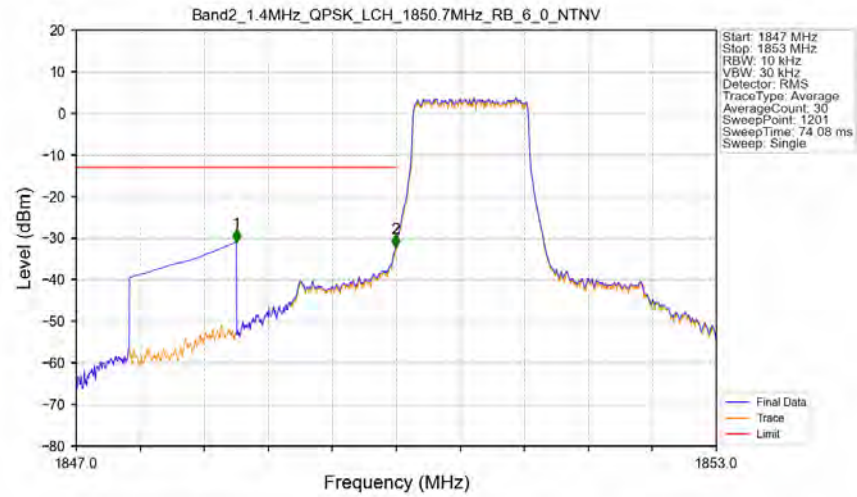
5.2.1 B2_1.4MHz



Band2 1.4MHz QPSK LCH 1850.7MHz RB 1 0 NTV

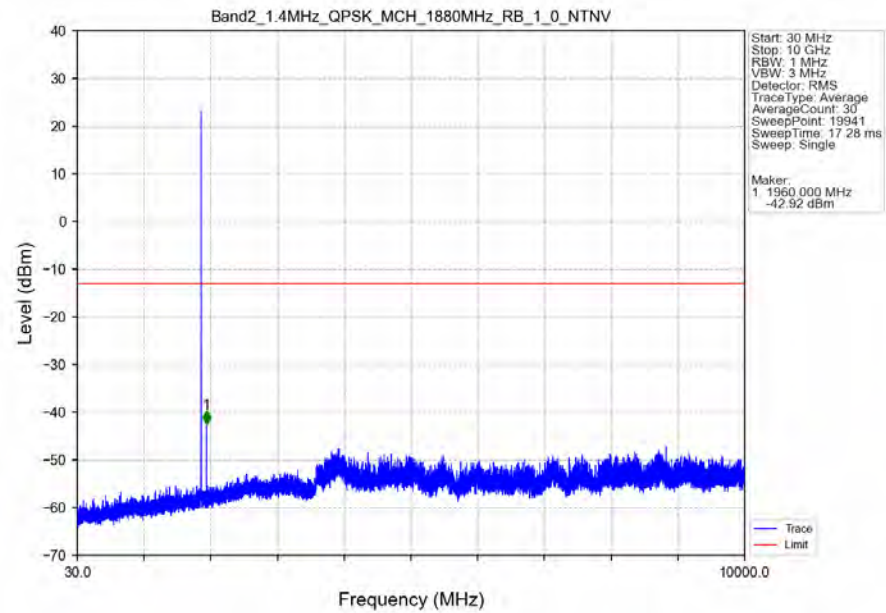


Band2 1.4MHz QPSK LCH 1850.7MHz RB 6 0 NTV

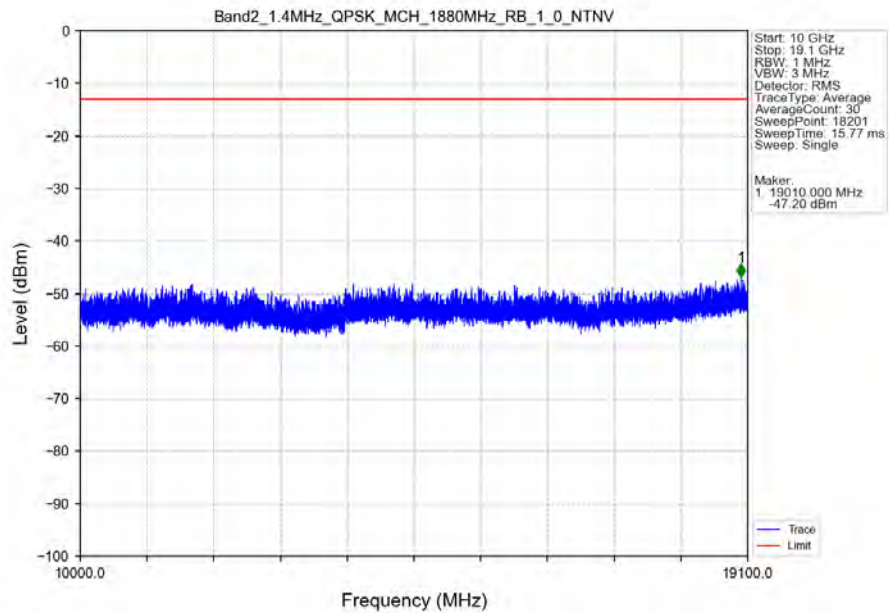


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1847	1849	1	CHP	1	1848.500	-30.92	-13	Pass
1849	1850	0.013	CHP	2	1849.995	-32.28	-13	Pass
1850	1853	0.013	CHP	/	/	/	/	/

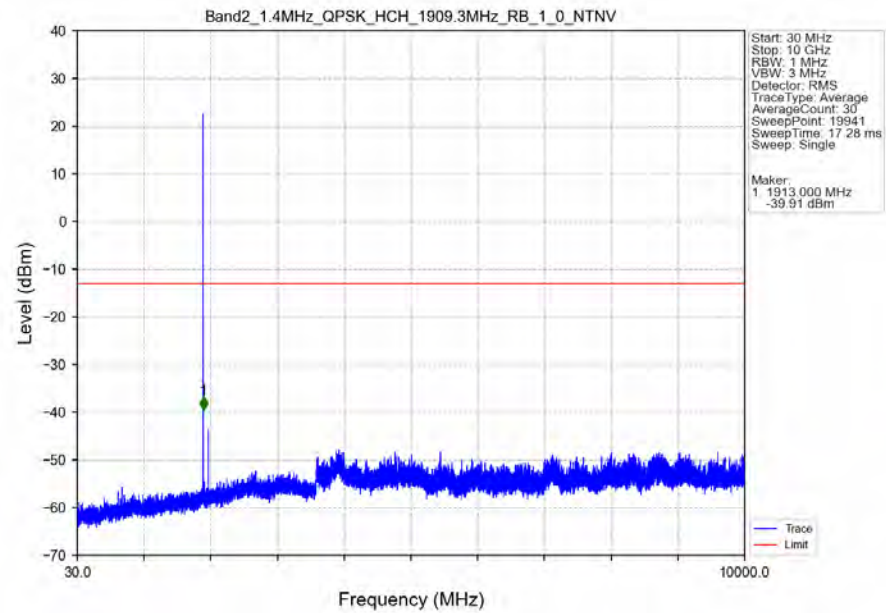
Band2 1.4MHz QPSK MCH 1880MHz RB 1 0 NTN



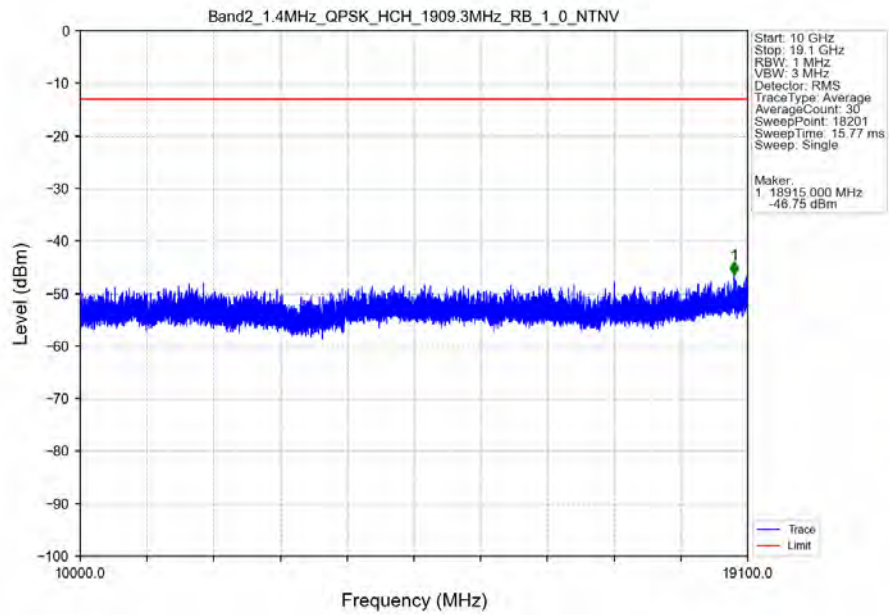
Band2 1.4MHz QPSK MCH 1880MHz RB 1 0 NTN



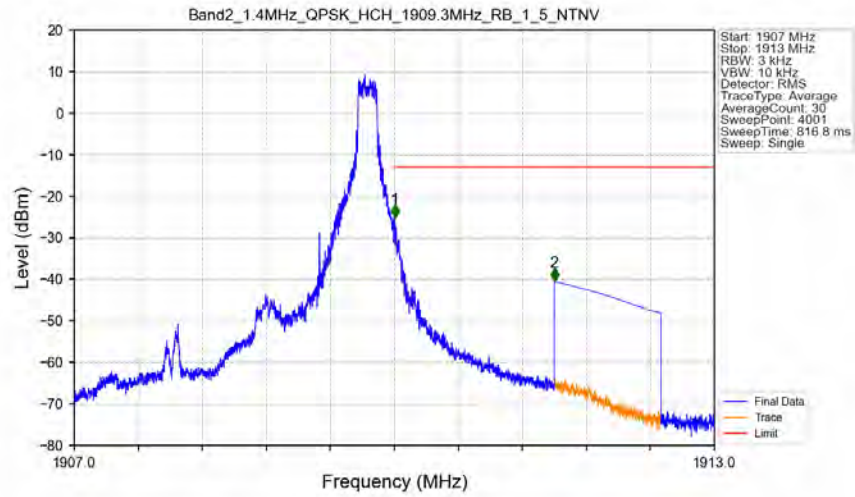
Band2 1.4MHz QPSK HCH 1909.3MHz RB 1 0 NTV



Band2 1.4MHz QPSK HCH 1909.3MHz RB 1 0 NTV

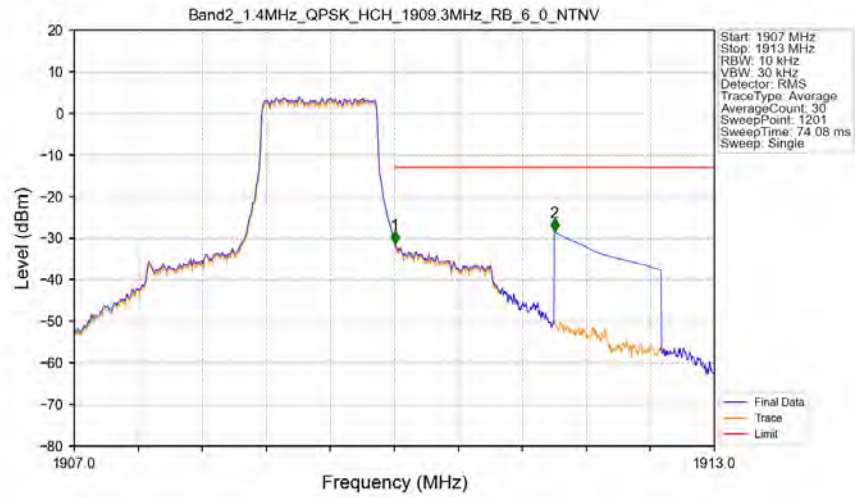


Band2 1.4MHz QPSK HCH 1909.3MHz RB 1 5 NTV



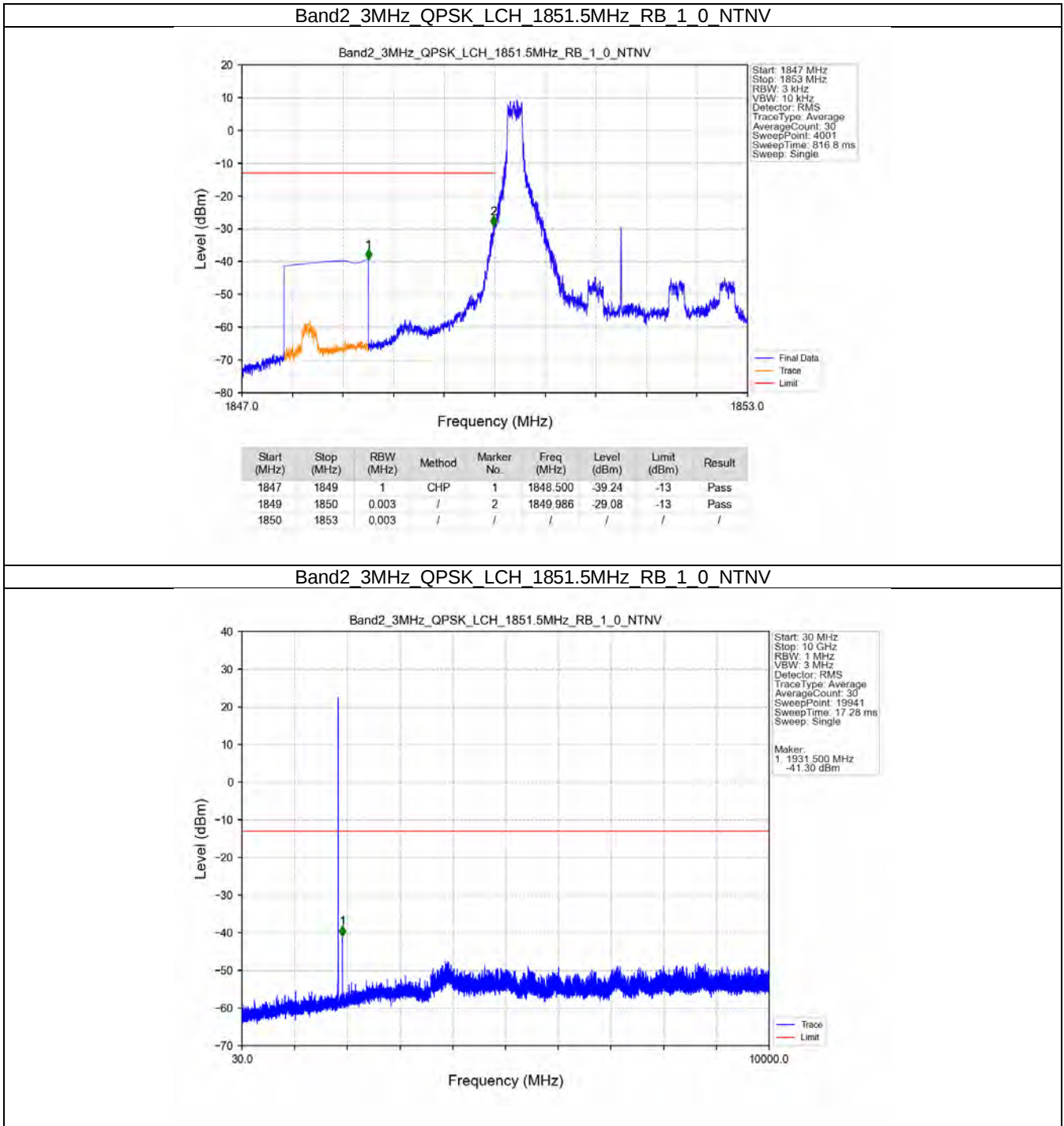
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1907	1910	0.003	/	/	/	/	/	/
1910	1911	0.003	/	1	1910.005	-25.10	-13	Pass
1911	1913	1	CHP	2	1911.500	-40.49	-13	Pass

Band2 1.4MHz QPSK HCH 1909.3MHz RB 6 0 NTV

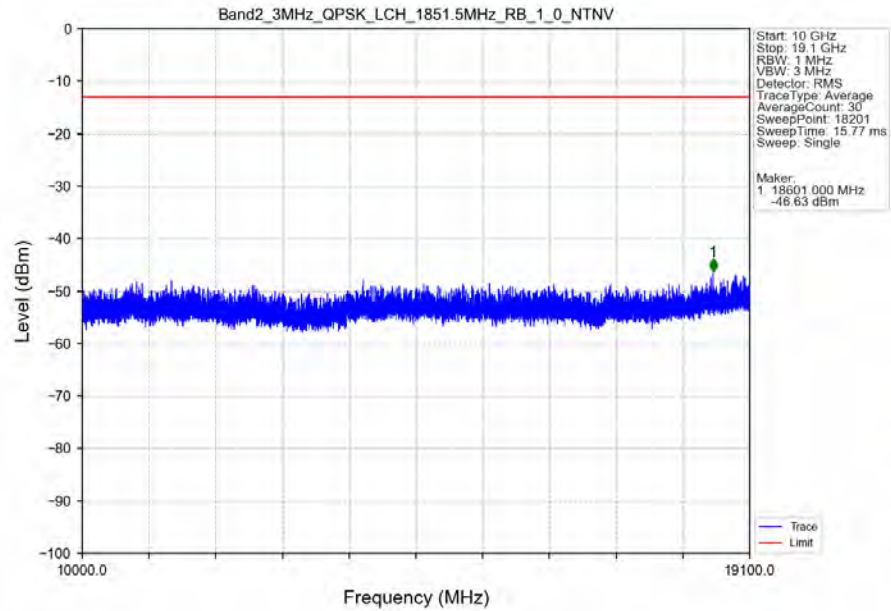


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1907	1910	0.013	CHP	/	/	/	/	/
1910	1911	0.013	CHP	1	1910.005	-31.38	-13	Pass
1911	1913	1	CHP	2	1911.500	-28.46	-13	Pass

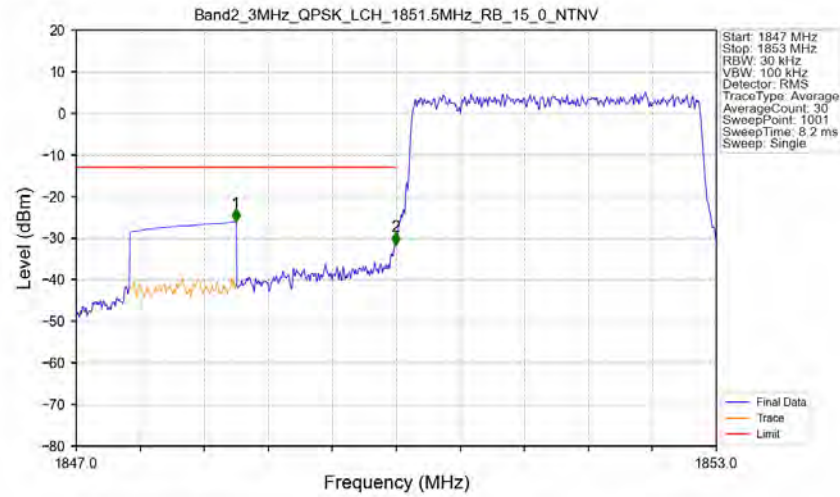
5.2.2 B2_3MHz



Band2 3MHz QPSK LCH 1851.5MHz RB 1 0 NTNV

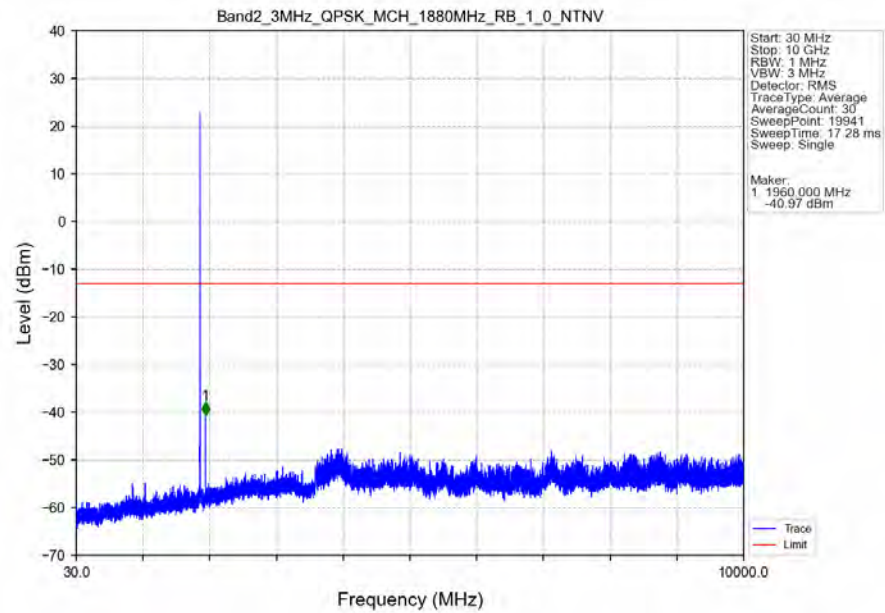


Band2 3MHz QPSK LCH 1851.5MHz RB 15 0 NTNV

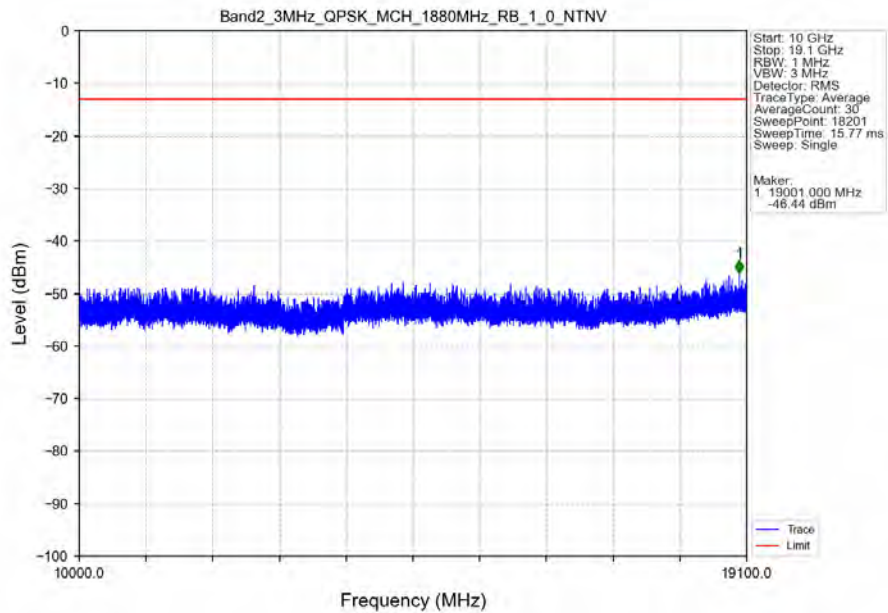


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1847	1849	1	CHP	1	1848.494	-26.10	-13	Pass
1849	1850	0.03	/	2	1849.994	-31.62	-13	Pass
1850	1853	0.03	/	/	/	/	/	/

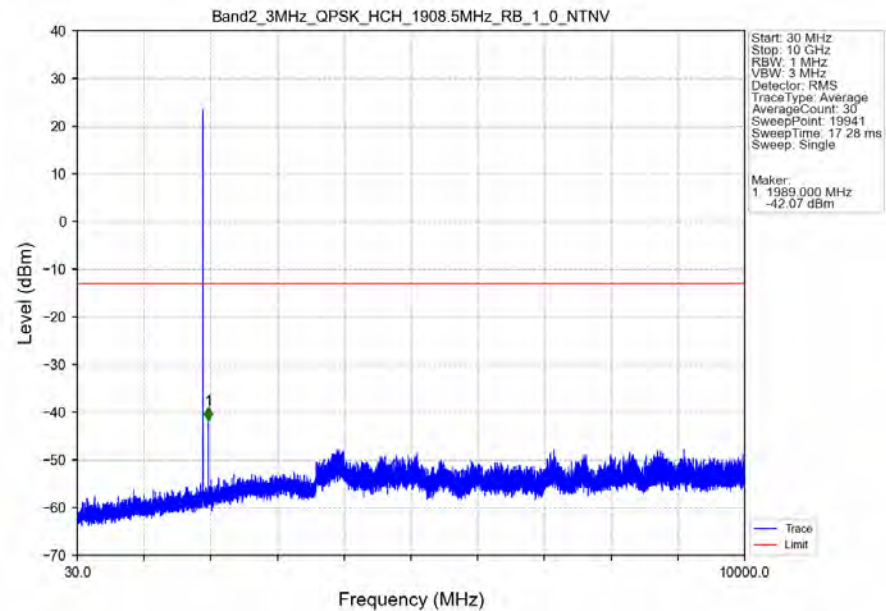
Band2_3MHz_QPSK_MCH_1880MHz_RB_1_0_NTNV



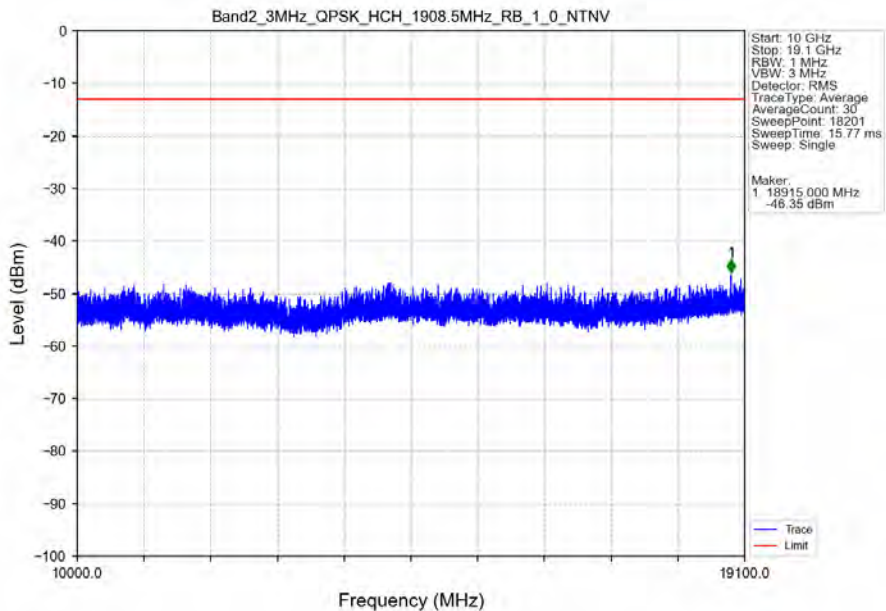
Band2_3MHz_QPSK_MCH_1880MHz_RB_1_0_NTNV



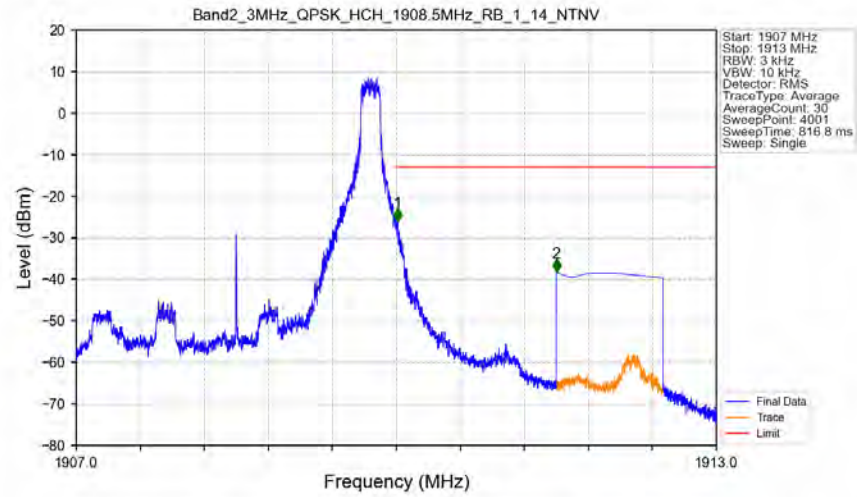
Band2 3MHz QPSK HCH 1908.5MHz RB 1 0 NTN



Band2 3MHz QPSK HCH 1908.5MHz RB 1 0 NTN

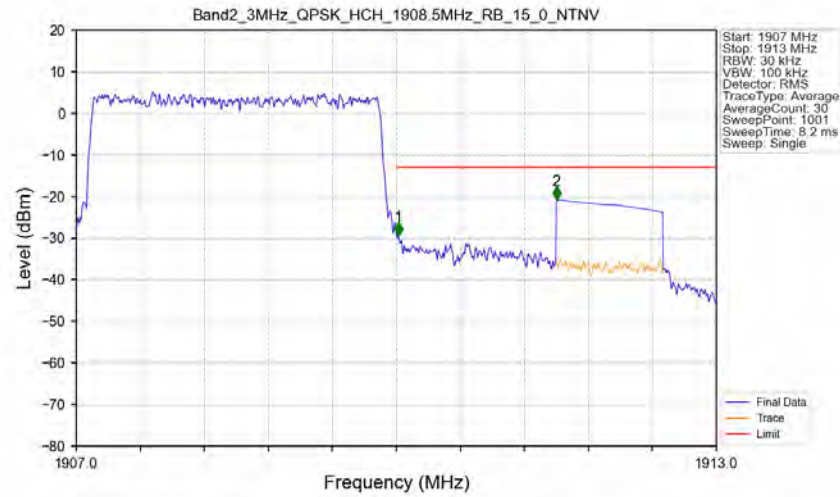


Band2 3MHz QPSK HCH 1908.5MHz RB 1 14 NTV



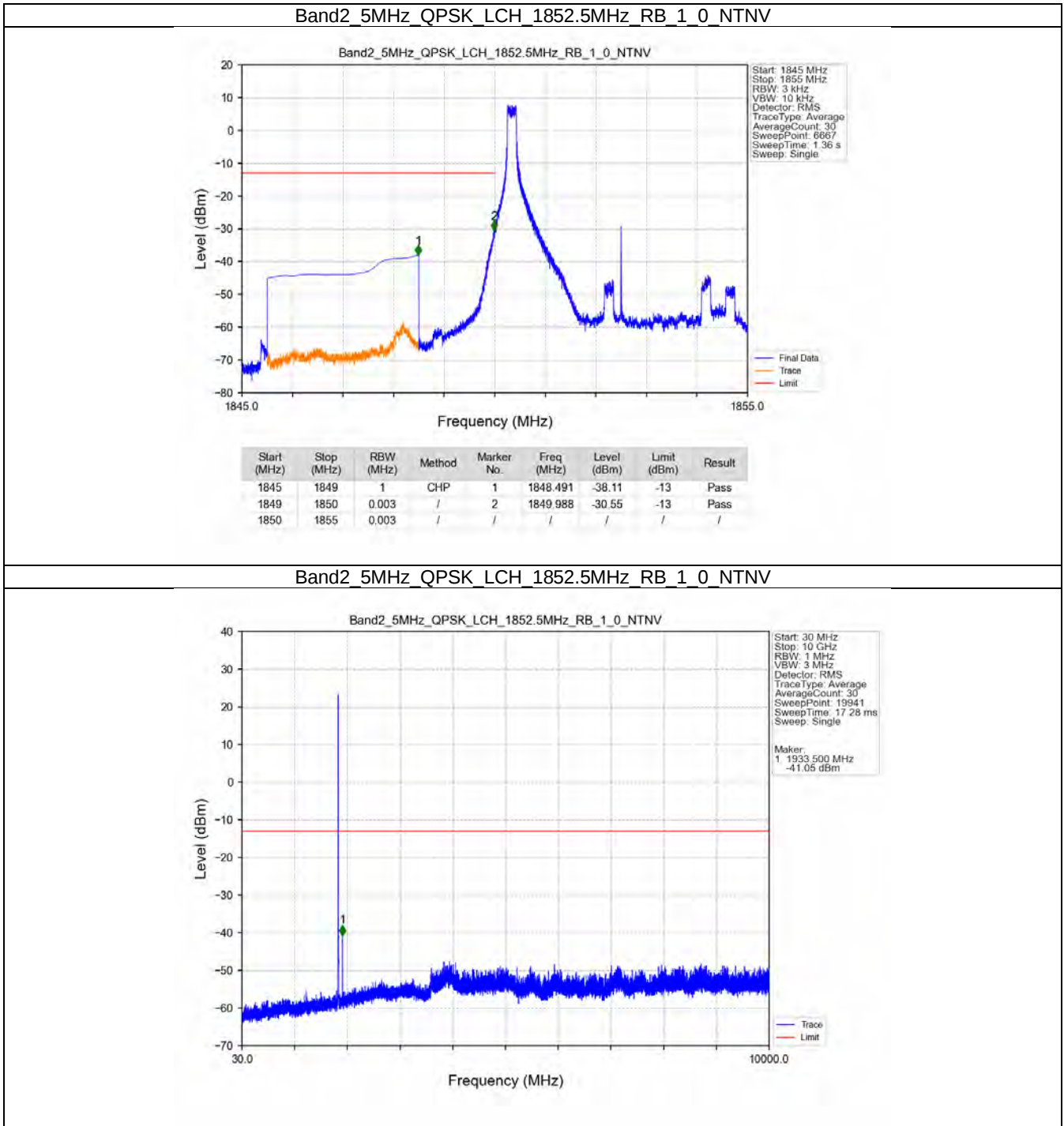
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1907	1910	0.003	/	/	/	/	/	/
1910	1911	0.003	/	1	1910.014	-25.96	-13	Pass
1911	1913	1	CHP	2	1911.500	-38.30	-13	Pass

Band2 3MHz QPSK HCH 1908.5MHz RB 15 0 NTV

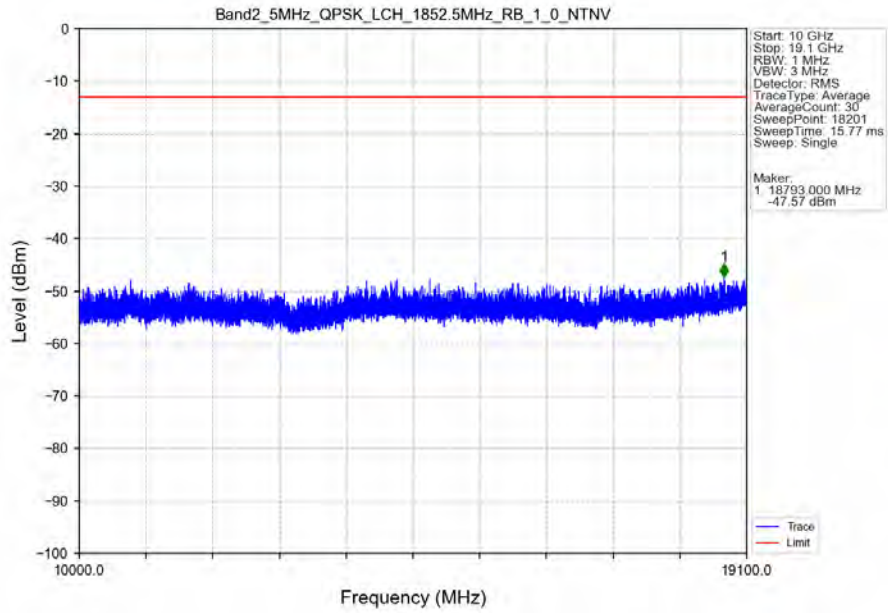


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1907	1910	0.03	/	/	/	/	/	/
1910	1911	0.03	/	1	1910.018	-29.29	-13	Pass
1911	1913	1	CHP	2	1911.500	-20.74	-13	Pass

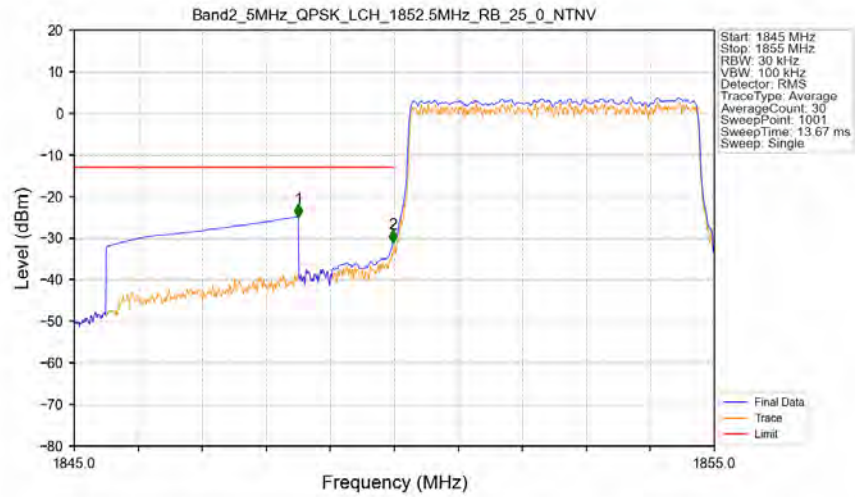
5.2.3 B2_5MHz



Band2 5MHz QPSK LCH 1852.5MHz RB 1 0 NTV

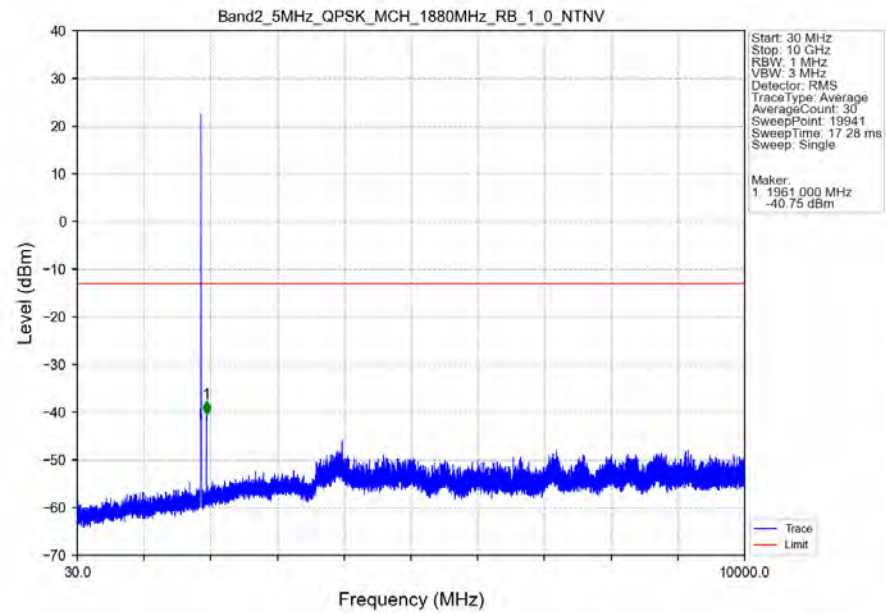


Band2 5MHz QPSK LCH 1852.5MHz RB 25 0 NTV

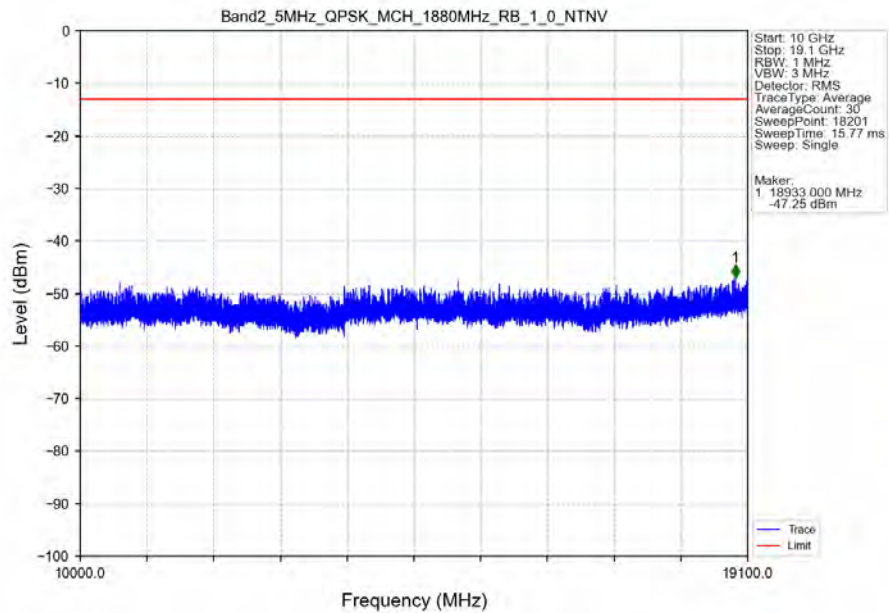


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1845	1849	1	CHP	1	1848.500	-24.87	-13	Pass
1849	1850	0.05	CHP	2	1849.980	-31.17	-13	Pass
1850	1855	0.05	CHP	/	/	/	/	/

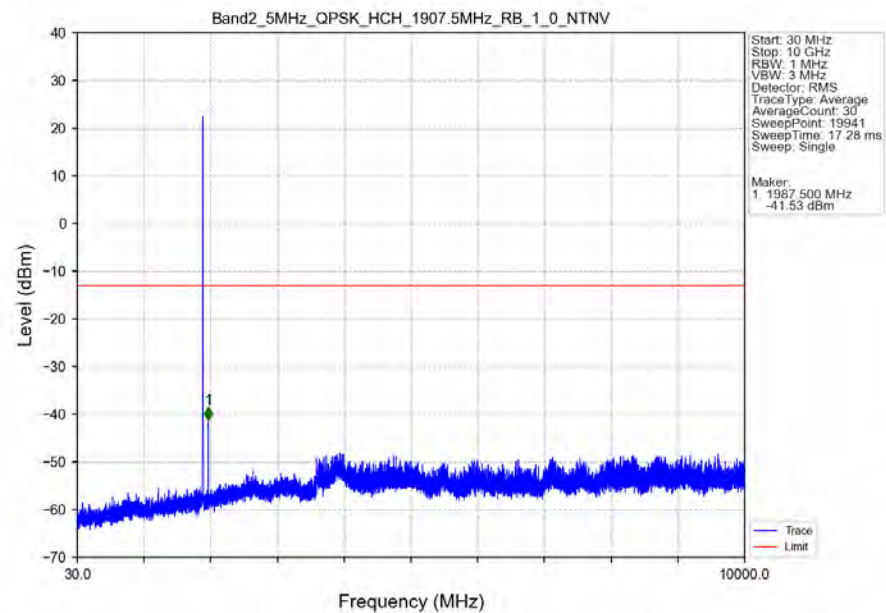
Band2 5MHz QPSK MCH 1880MHz RB 1 0 NTV



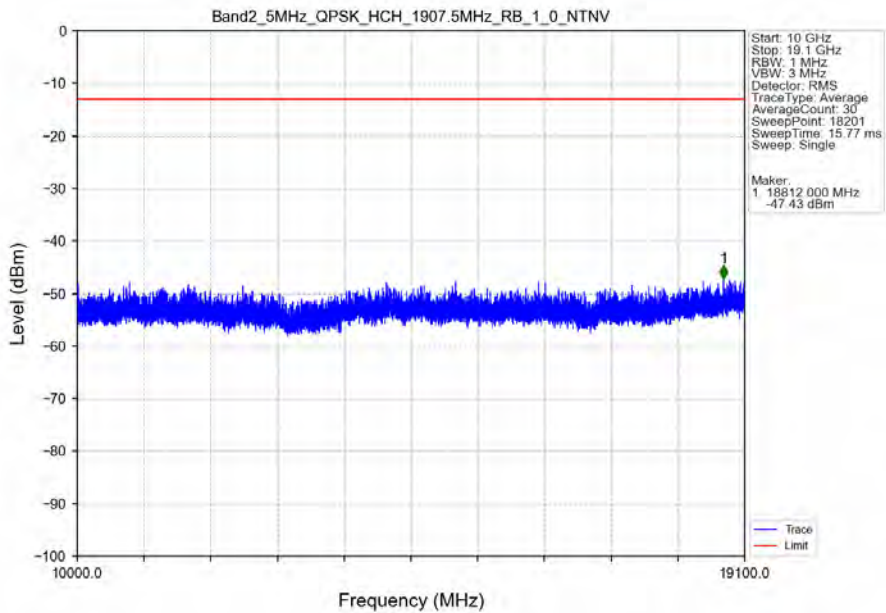
Band2 5MHz QPSK MCH 1880MHz RB 1 0 NTV



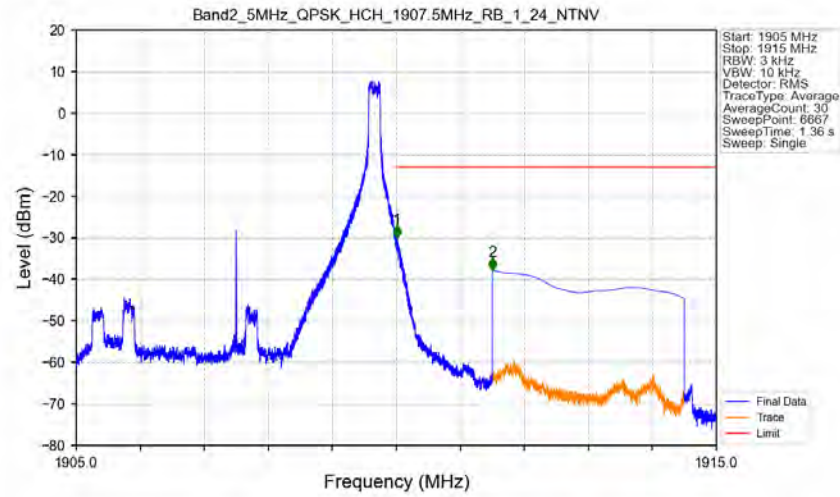
Band2 5MHz QPSK HCH 1907.5MHz RB 1 0 NTN



Band2 5MHz QPSK HCH 1907.5MHz RB 1 0 NTN

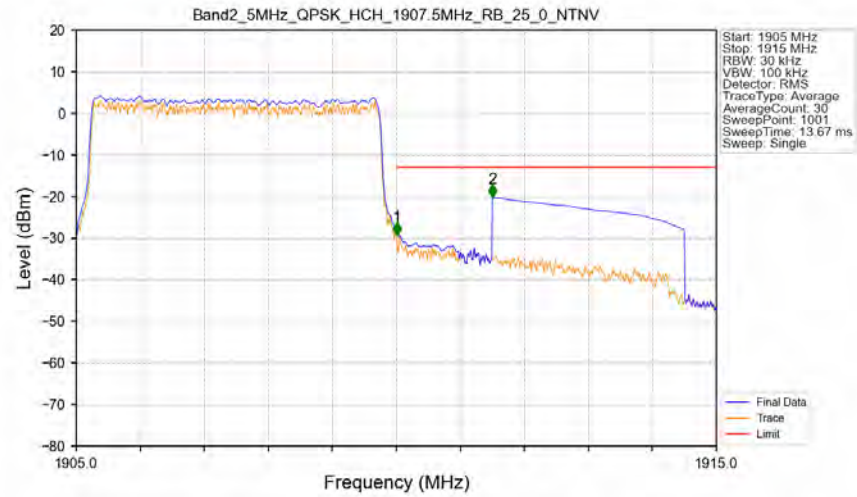


Band2 5MHz QPSK HCH 1907.5MHz RB 1 24 NTV



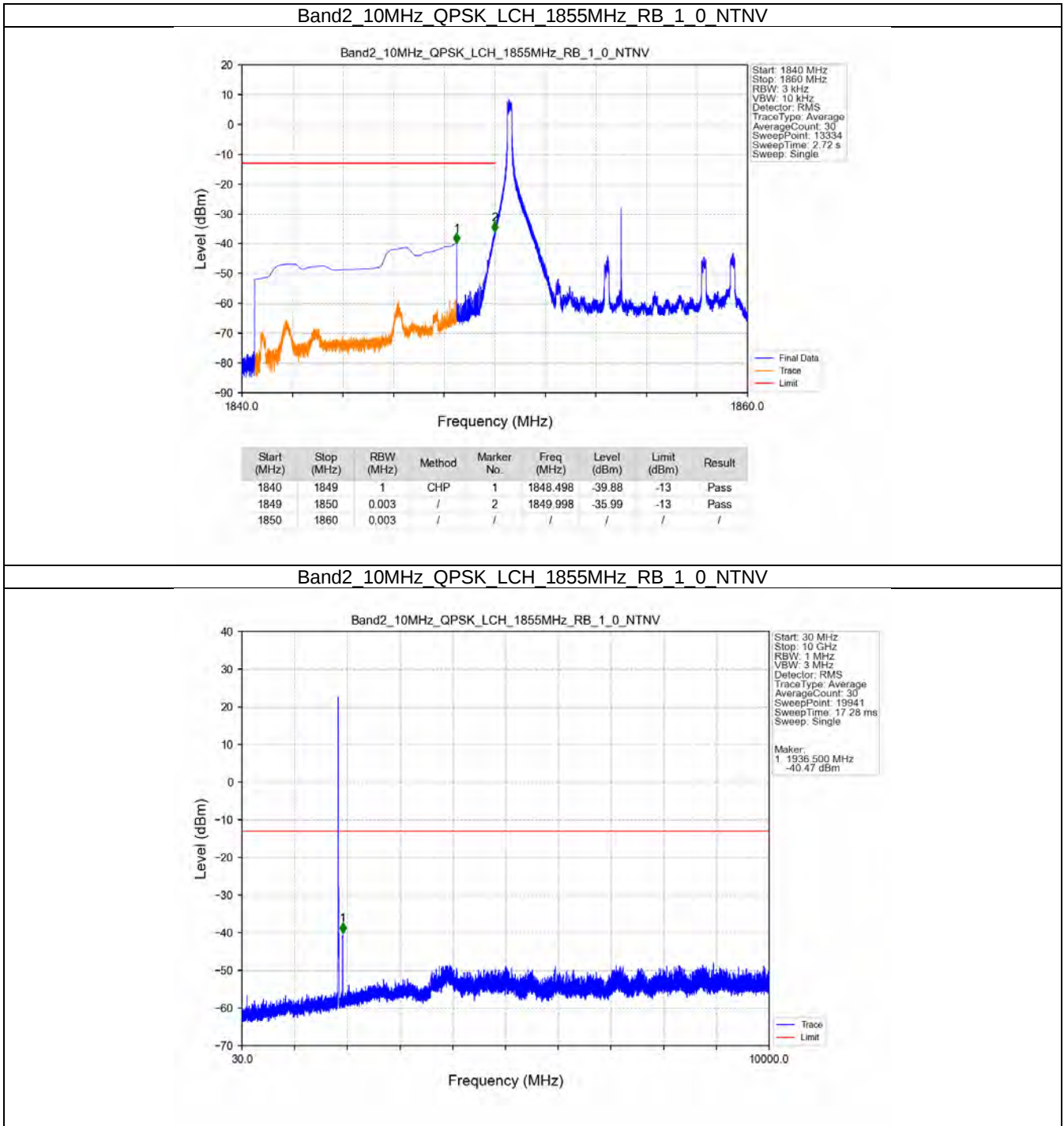
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1905	1910	0.003	/	/	/	/	/	/
1910	1911	0.003	/	1	1910.012	-29.98	-13	Pass
1911	1915	1	CHP	2	1911.500	-37.91	-13	Pass

Band2 5MHz QPSK HCH 1907.5MHz RB 25 0 NTV

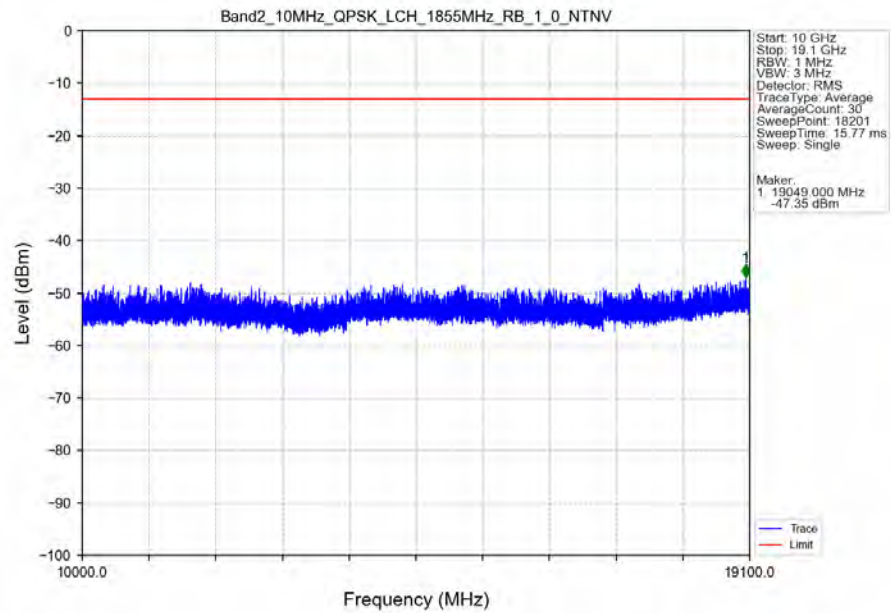


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1905	1910	0.05	CHP	/	/	/	/	/
1910	1911	0.05	CHP	1	1910.010	-29.31	-13	Pass
1911	1915	1	CHP	2	1911.500	-20.17	-13	Pass

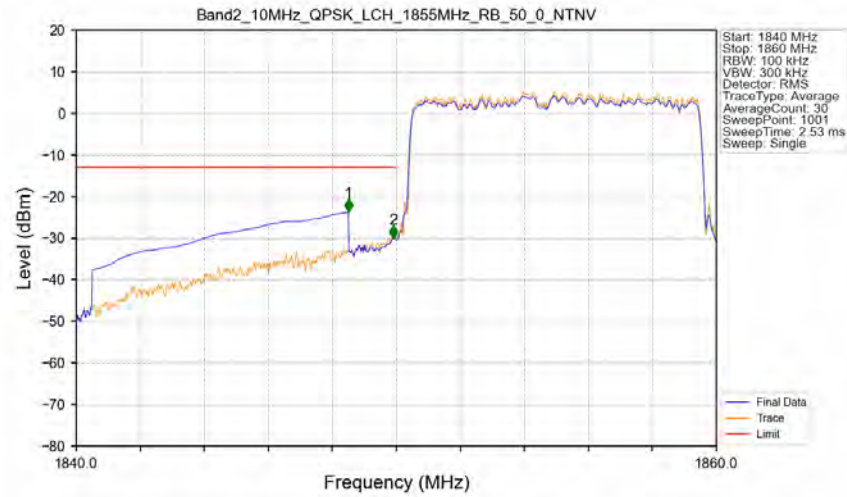
5.2.4 B2_10MHz



Band2_10MHz_QPSK_LCH_1855MHz_RB_1_0_NTNV

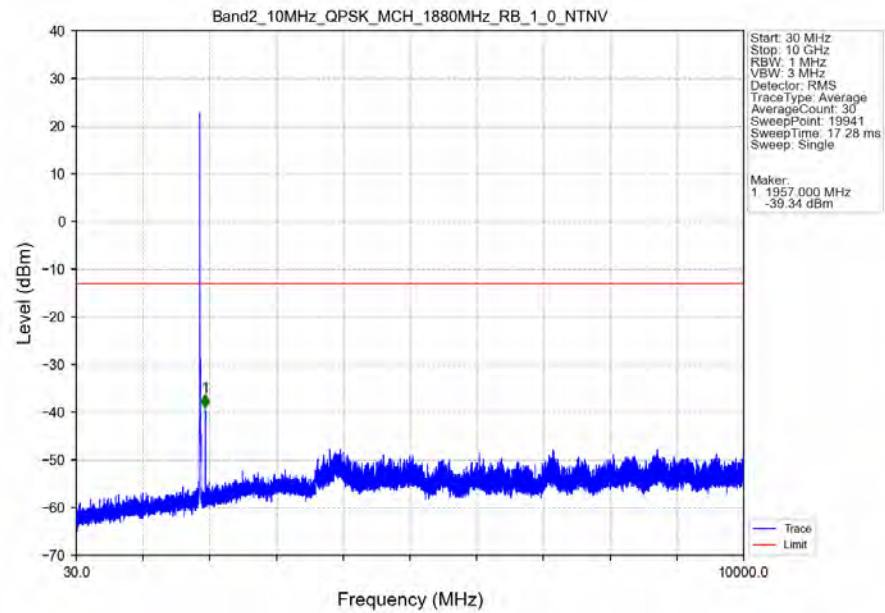


Band2_10MHz_QPSK_LCH_1855MHz_RB_50_0_NTNV

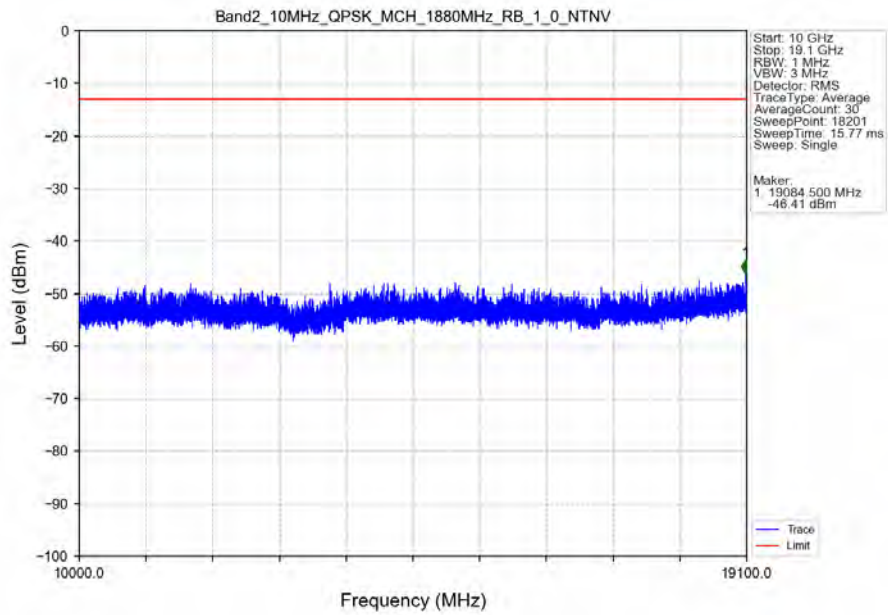


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1840	1849	1	CHP	1	1848.500	-23.68	-13	Pass
1849	1850	0.101	CHP	2	1849.900	-30.03	-13	Pass
1850	1860	0.101	CHP	/	/	/	/	/

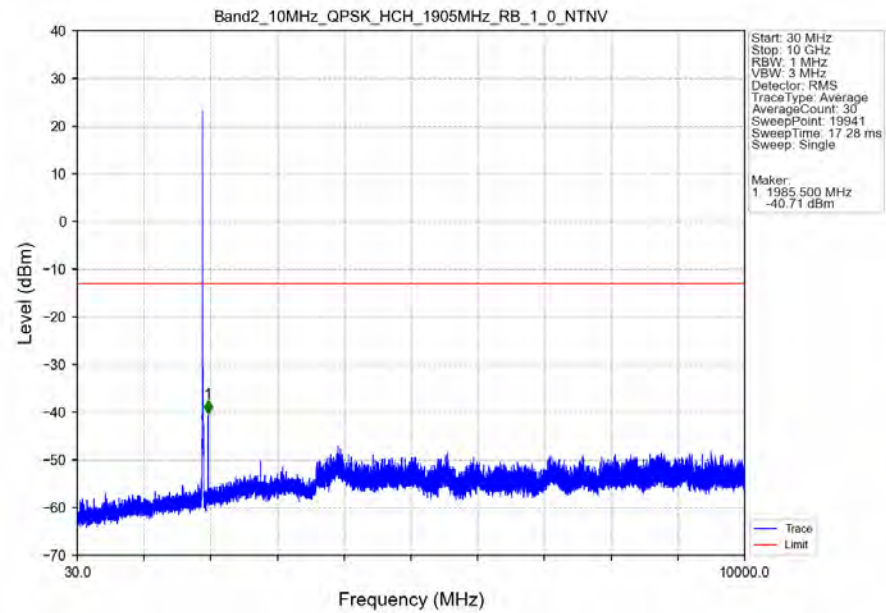
Band2 10MHz QPSK MCH 1880MHz RB 1 0 NTN



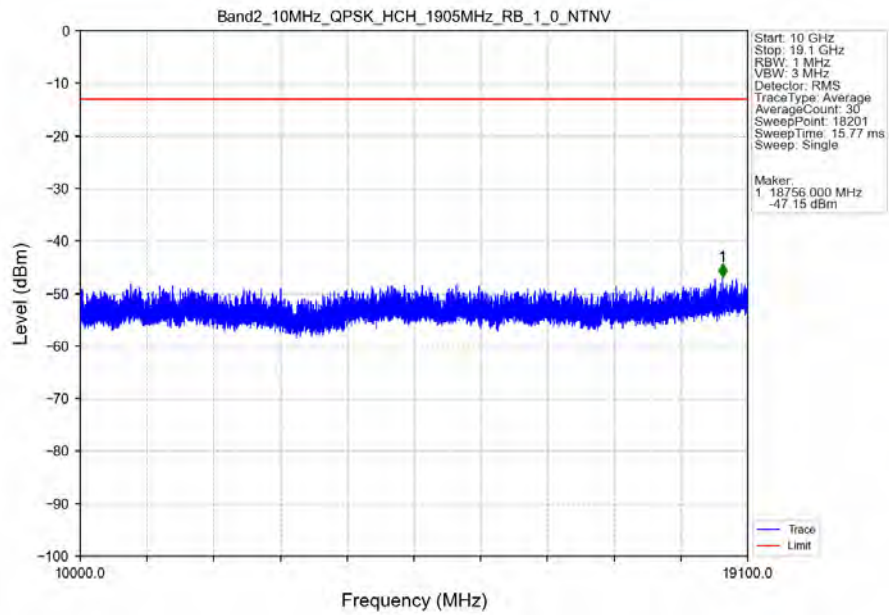
Band2 10MHz QPSK MCH 1880MHz RB 1 0 NTN



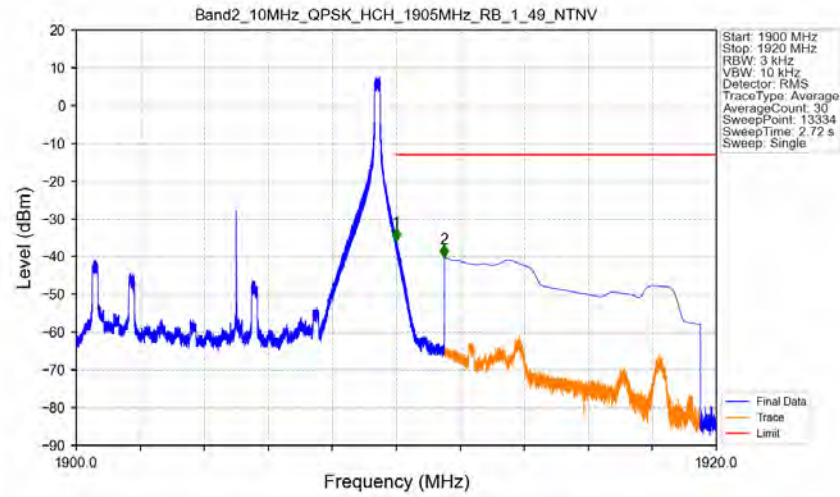
Band2_10MHz_QPSK_HCH_1905MHz_RB_1_0_NTNV



Band2_10MHz_QPSK_HCH_1905MHz_RB_1_0_NTNV

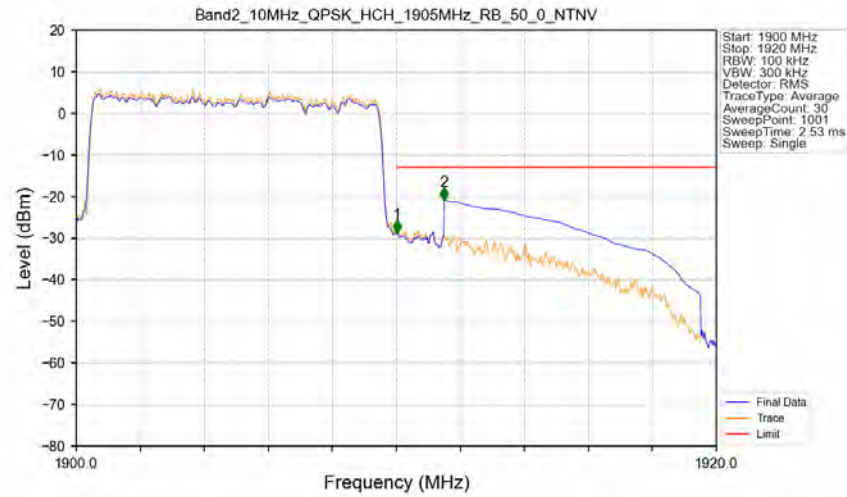


Band2 10MHz QPSK HCH 1905MHz RB 1 49 NTNV



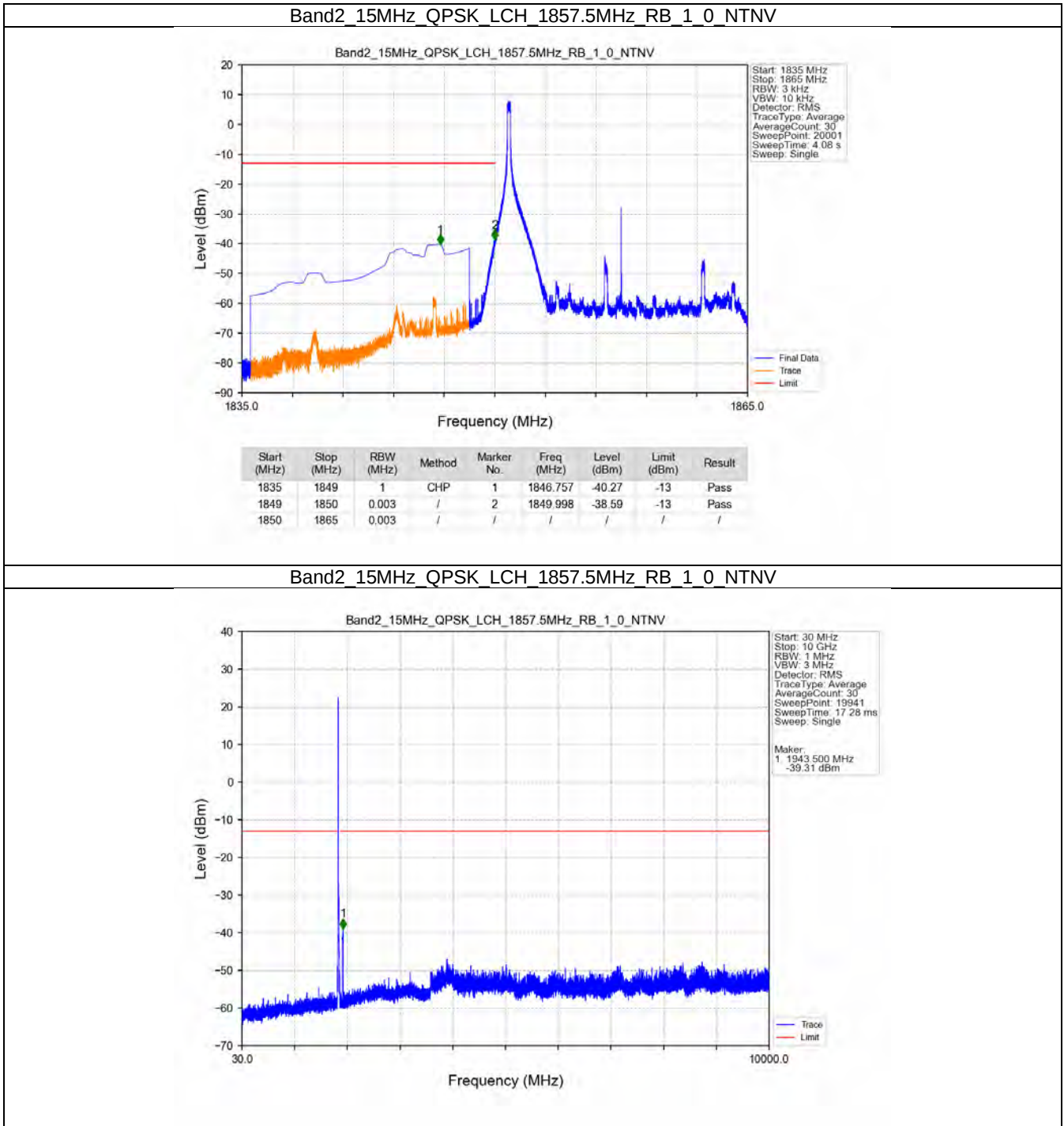
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1900	1910	0.003	/	/	/	/	/	/
1910	1911	0.003	/	1	1910.001	-35.82	-13	Pass
1911	1920	1	CHP	2	1911.501	-40.23	-13	Pass

Band2 10MHz QPSK HCH 1905MHz RB 50 0 NTNV

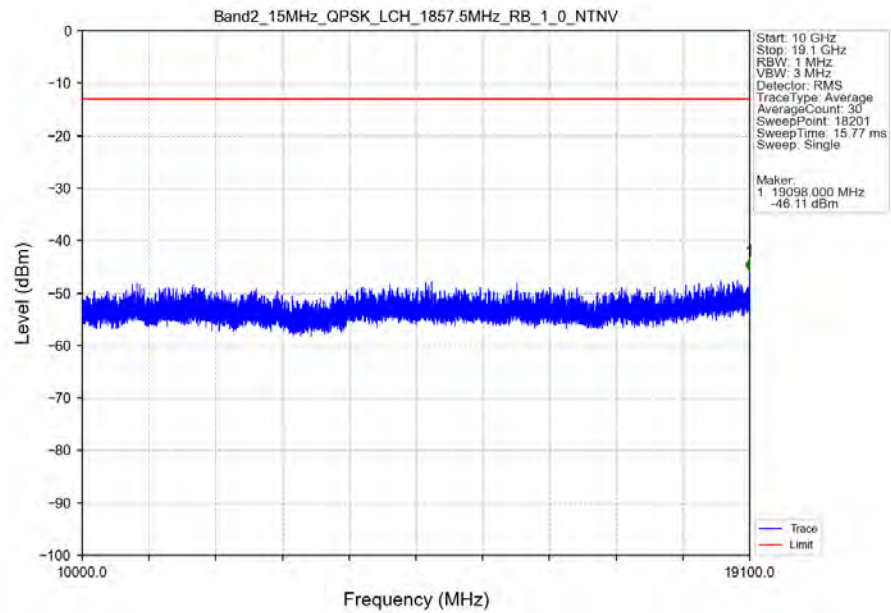


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1900	1910	0.101	CHP	/	/	/	/	/
1910	1911	0.101	CHP	1	1910.020	-28.83	-13	Pass
1911	1920	1	CHP	2	1911.500	-20.96	-13	Pass

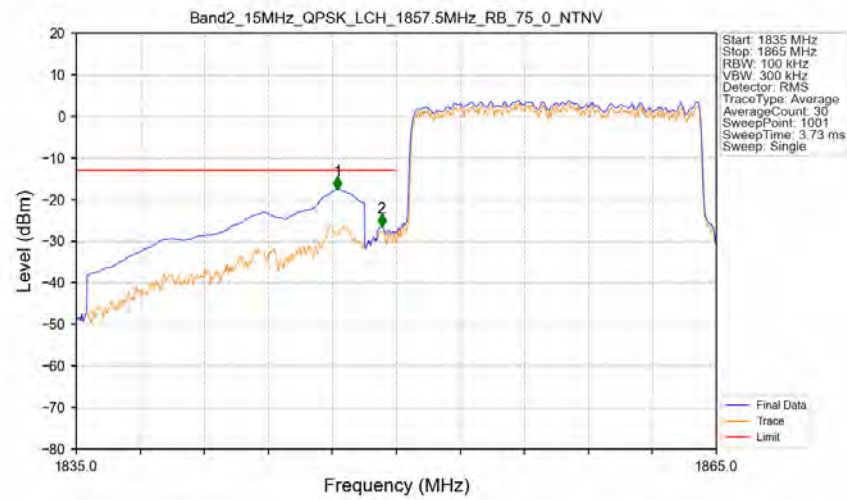
5.2.5 B2_15MHz



Band2 15MHz QPSK LCH 1857.5MHz RB 1 0 NTV

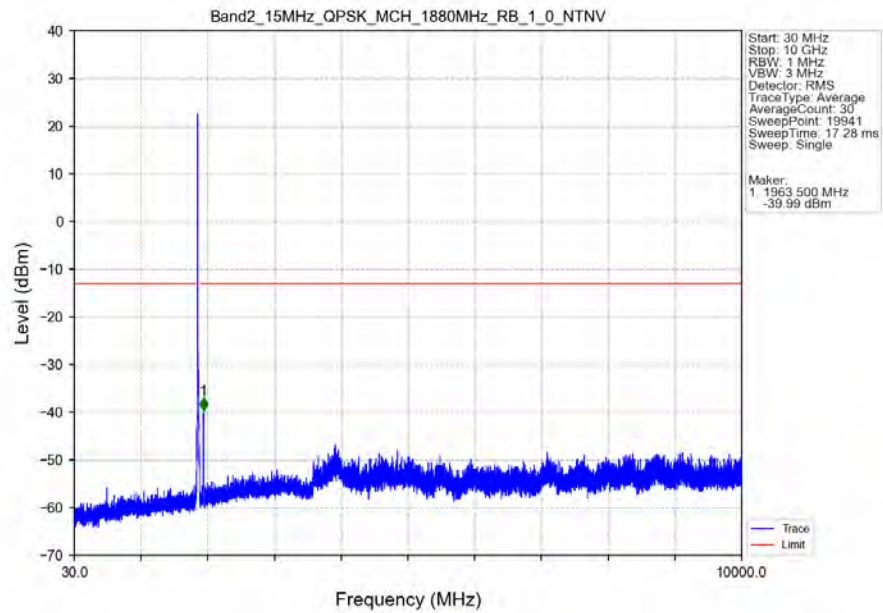


Band2 15MHz QPSK LCH 1857.5MHz RB 75 0 NTV

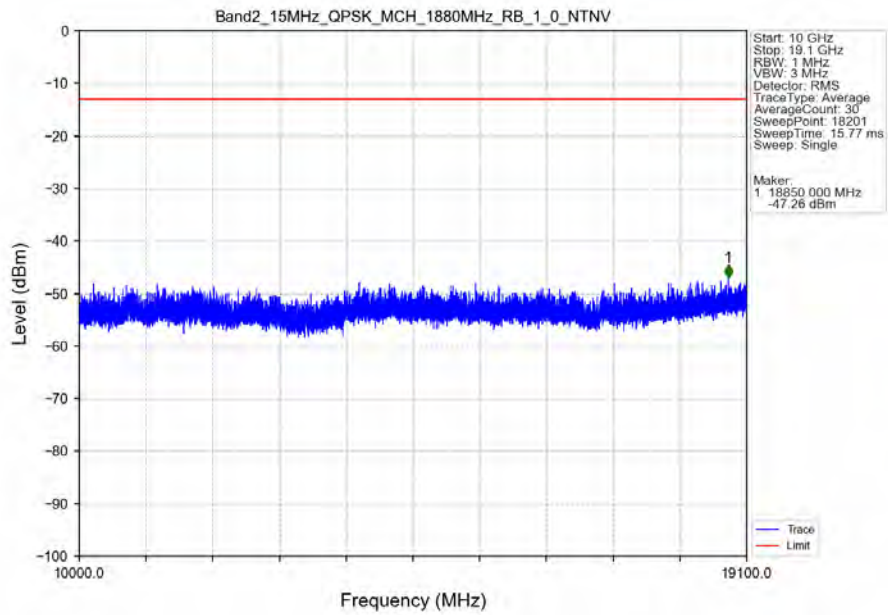


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1835	1849	1	CHP	1	1847.240	-17.57	-13	Pass
1849	1850	0.149	CHP	2	1849.310	-26.60	-13	Pass
1850	1865	0.149	CHP	/	/	/	/	/

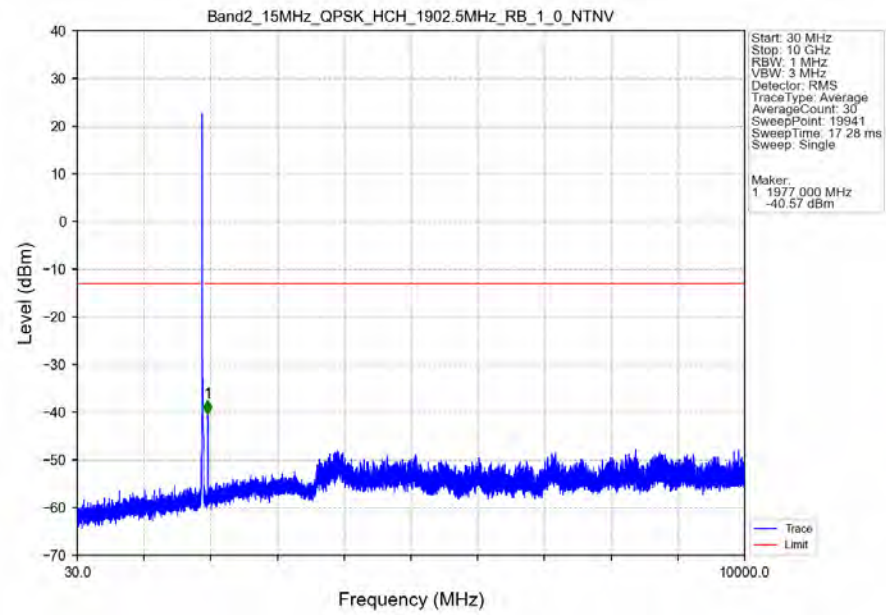
Band2_15MHz_QPSK_MCH_1880MHz_RB_1_0_NTNV



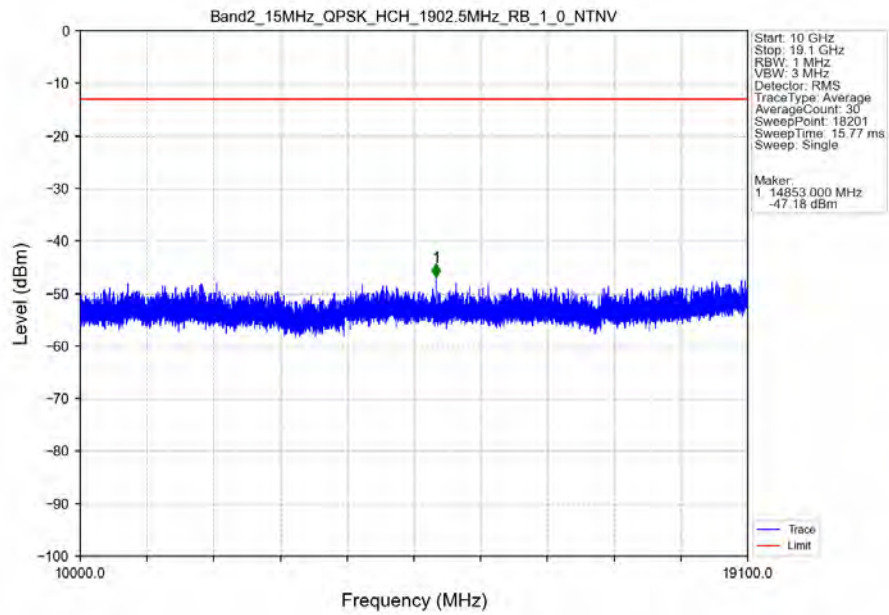
Band2_15MHz_QPSK_MCH_1880MHz_RB_1_0_NTNV



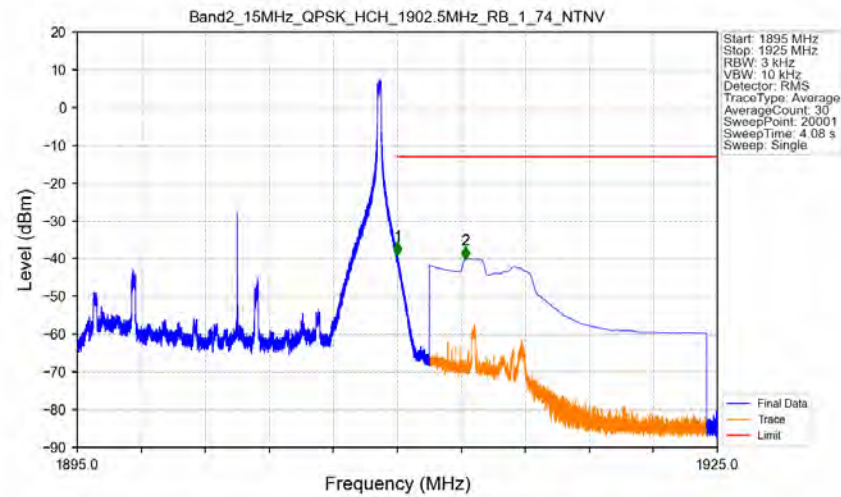
Band2_15MHz_QPSK_HCH_1902.5MHz_RB_1_0_NTNV



Band2_15MHz_QPSK_HCH_1902.5MHz_RB_1_0_NTNV

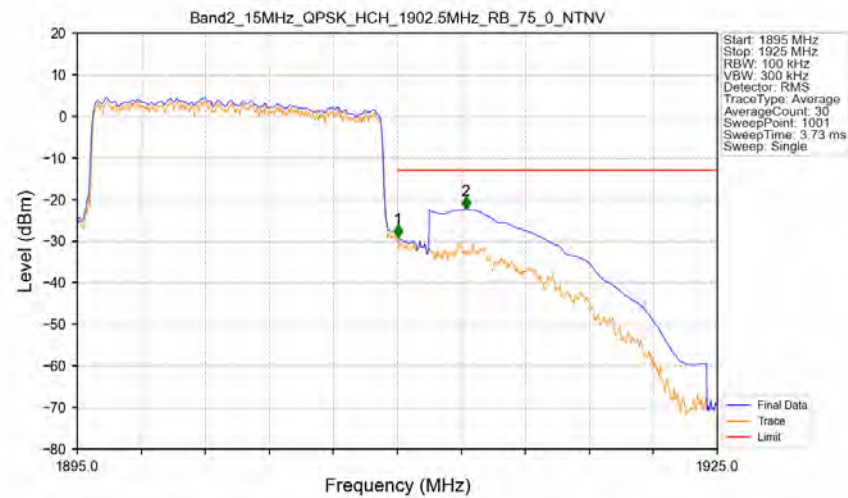


Band2 15MHz QPSK HCH 1902.5MHz RB 1 74 NTV



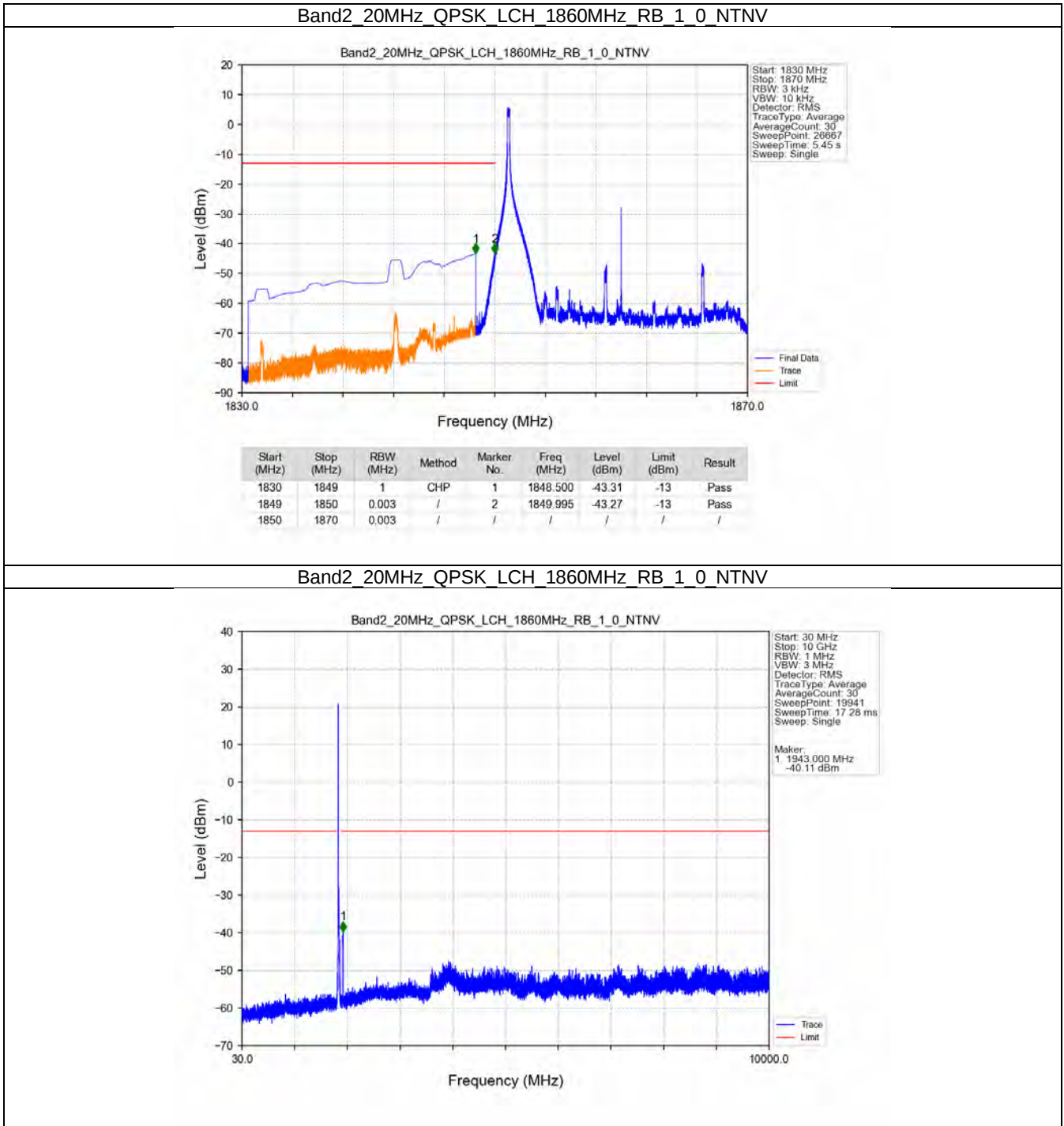
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1895	1910	0.003	/	/	/	/	/	/
1910	1911	0.003	/	1	1910.005	-39.12	-13	Pass
1911	1925	1	CHP	2	1913.198	-40.15	-13	Pass

Band2 15MHz QPSK HCH 1902.5MHz RB 75 0 NTV

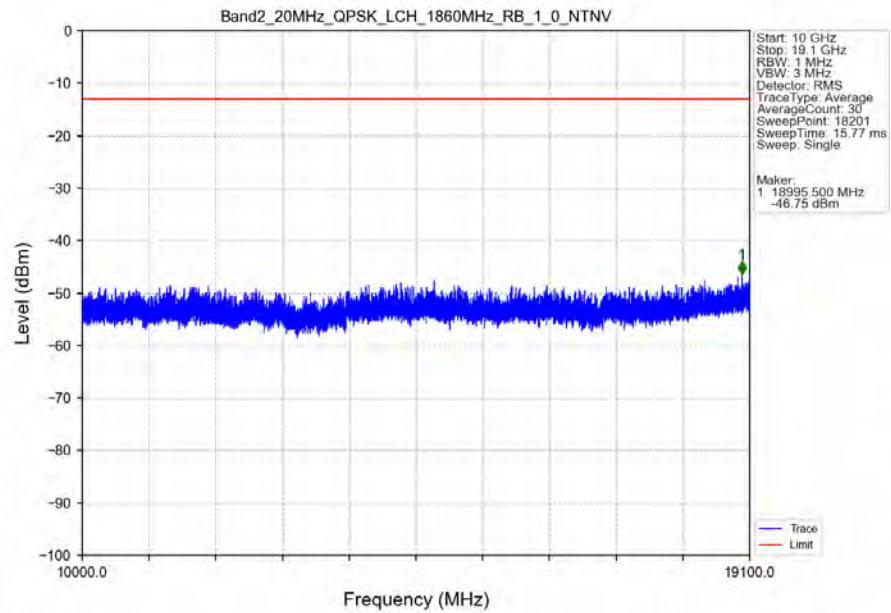


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1895	1910	0.149	CHP	/	/	/	/	/
1910	1911	0.149	CHP	1	1910.030	-29.09	-13	Pass
1911	1925	1	CHP	2	1913.210	-22.36	-13	Pass

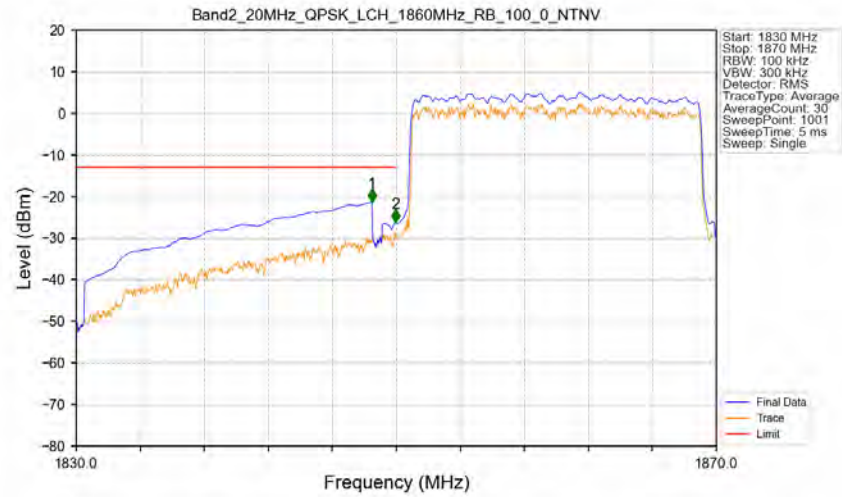
5.2.6 B2_20MHz



Band2 20MHz QPSK LCH 1860MHz RB 1 0 NTV

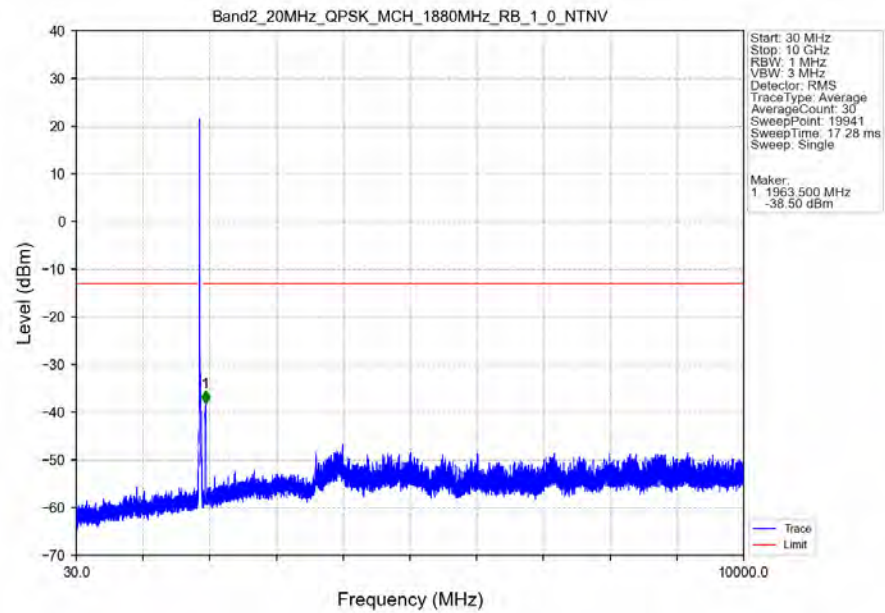


Band2_20MHz_QPSK_LCH_1860MHz_RB_100_0_NTV

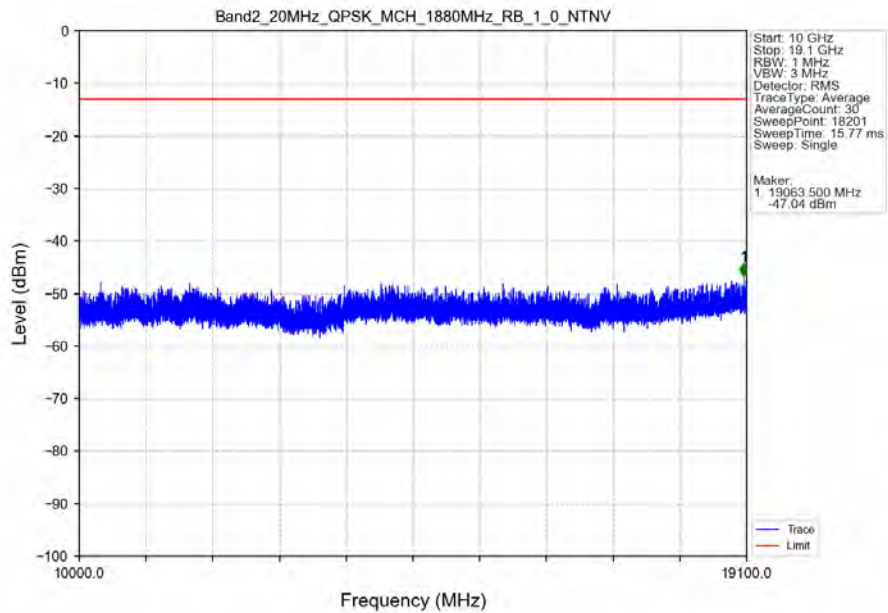


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1830	1849	1	CHP	1	1848.480	-21.24	-13	Pass
1849	1850	0.228	CHP	2	1849.960	-26.16	-13	Pass
1850	1870	0.228	CHP	/	/	/	/	/

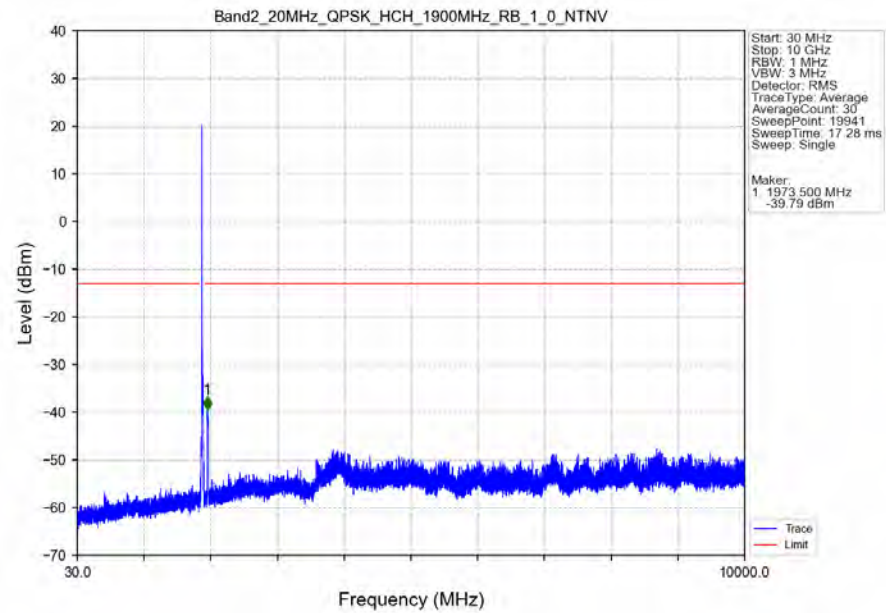
Band2 20MHz QPSK MCH 1880MHz RB 1 0 NTN



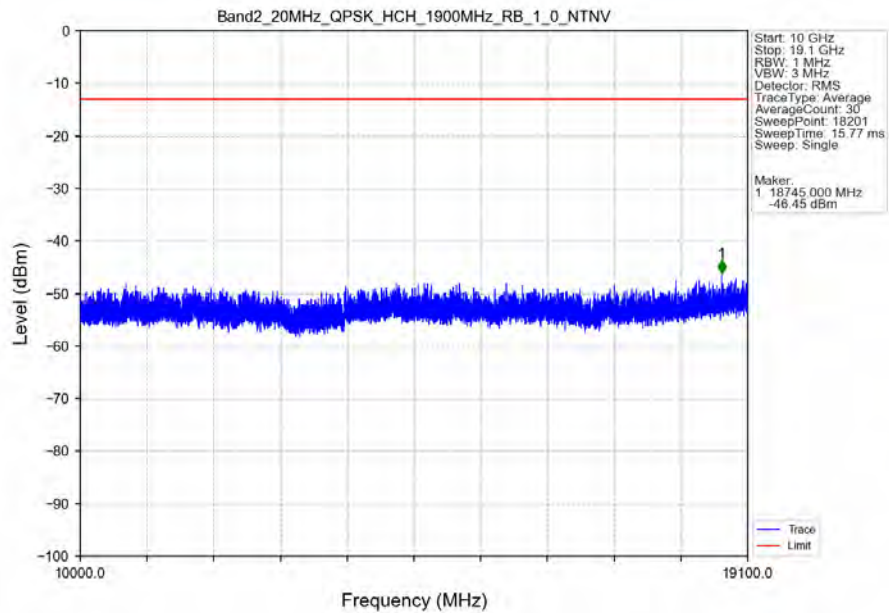
Band2 20MHz QPSK MCH 1880MHz RB 1 0 NTN



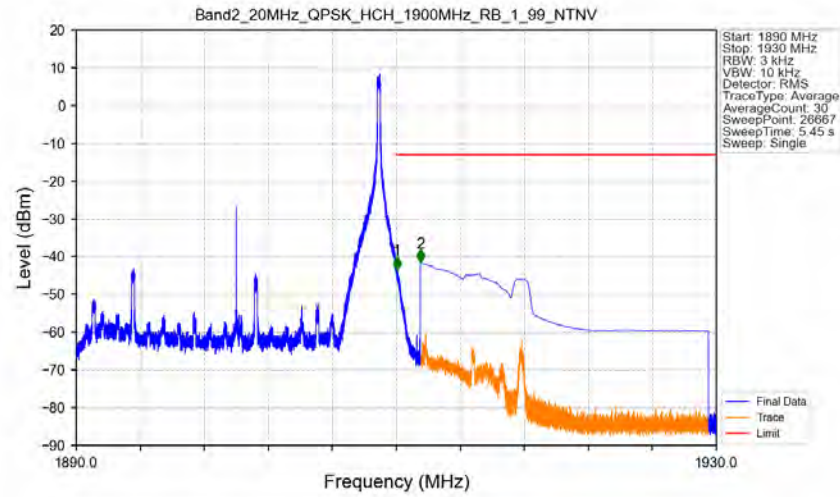
Band2 20MHz QPSK HCH 1900MHz RB 1 0 NTNV



Band2 20MHz QPSK HCH 1900MHz RB 1 0 NTNV

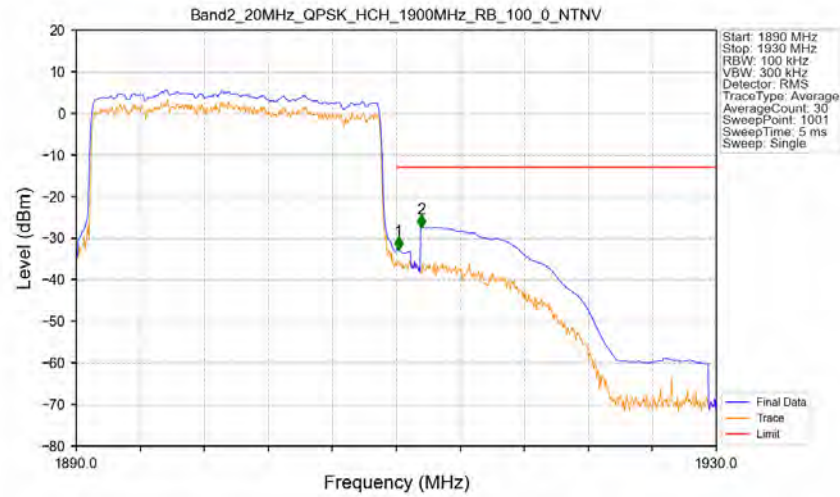


Band2 20MHz QPSK HCH 1900MHz RB 1 99 NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1890	1910	0.003	/	/	/	/	/	/
1910	1911	0.003	/	1	1910.033	-43.35	-13	Pass
1911	1930	1	CHP	2	1911.500	-41.37	-13	Pass

Band2 20MHz QPSK HCH 1900MHz RB 100 0 NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1890	1910	0.228	CHP	/	/	/	/	/
1910	1911	0.228	CHP	1	1910.120	-32.78	-13	Pass
1911	1930	1	CHP	2	1911.560	-27.41	-13	Pass

6. Field Strength of Spurious Radiation

LTE Band 2 ANT31-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
3702.0	-60.17	-13	-47.17	-65.03	3.58	8.44	Horizontal	Pass
5553.0	-56.95	-13	-43.95	-62.66	4.74	10.45	Horizontal	Pass
7404.0	-55.07	-13	-42.07	-61.75	4.94	11.62	Horizontal	Pass
3702.0	-60.86	-13	-47.86	-65.72	3.58	8.44	Vertical	Pass
5553.0	-56.95	-13	-43.95	-62.66	4.74	10.45	Vertical	Pass
7404.0	-55.06	-13	-42.06	-61.74	4.94	11.62	Vertical	Pass

LTE Band 2 ANT31-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
3742.0	-61.37	-13	-48.37	-66.25	3.61	8.49	Horizontal	Pass
5613.0	-56.77	-13	-43.77	-62.48	4.74	10.45	Horizontal	Pass
7484.0	-54.31	-13	-41.31	-61.09	4.94	11.72	Horizontal	Pass
3742.0	-61.54	-13	-48.54	-66.42	3.61	8.49	Vertical	Pass
5613.0	-57.02	-13	-44.02	-62.73	4.74	10.45	Vertical	Pass
7484.0	-55.23	-13	-42.23	-62.01	4.94	11.72	Vertical	Pass

LTE Band 2 ANT31-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
3782.0	-60.25	-13	-47.25	-65.15	3.65	8.55	Horizontal	Pass
5673.0	-57.12	-13	-44.12	-62.82	4.75	10.45	Horizontal	Pass
7564.0	-54.45	-13	-41.45	-61.32	4.95	11.82	Horizontal	Pass
3782.0	-61.56	-13	-48.56	-66.46	3.65	8.55	Vertical	Pass
5673.0	-57.15	-13	-44.15	-62.85	4.75	10.45	Vertical	Pass
7564.0	-54.35	-13	-41.35	-61.22	4.95	11.82	Vertical	Pass

CA_2A_4A-Low channel								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
3702.0	-66.51	-13	-53.51	-71.37	3.58	8.44	Horizontal	Pass
5553.0	-61.97	-13	-48.97	-67.68	4.74	10.45	Horizontal	Pass
7404.0	-60.45	-13	-47.45	-67.13	4.94	11.62	Horizontal	Pass
3702.0	-65.26	-13	-52.26	-70.12	3.58	8.44	Vertical	Pass
5553.0	-61.86	-13	-48.86	-67.57	4.74	10.45	Vertical	Pass
7404.0	-60.52	-13	-47.52	-67.2	4.94	11.62	Vertical	Pass

CA_2A_4A-Middle channel								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
3742.0	-66.87	-13	-53.87	-71.75	3.61	8.49	Horizontal	Pass
5613.0	-62.68	-13	-49.68	-68.39	4.74	10.45	Horizontal	Pass
7484.0	-60.88	-13	-47.88	-67.66	4.94	11.72	Horizontal	Pass
3742.0	-67.35	-13	-54.35	-72.23	3.61	8.49	Vertical	Pass
5613.0	-62.53	-13	-49.53	-68.24	4.74	10.45	Vertical	Pass
7484.0	-61.09	-13	-48.09	-67.87	4.94	11.72	Vertical	Pass

CA_2A_4A-High channel								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
3782.0	-66.84	-13	-53.84	-71.74	3.65	8.55	Horizontal	Pass
5673.0	-62.76	-13	-49.76	-68.46	4.75	10.45	Horizontal	Pass
7564.0	-60.15	-13	-47.15	-67.02	4.95	11.82	Horizontal	Pass
3782.0	-66.32	-13	-53.32	-71.22	3.65	8.55	Vertical	Pass
5673.0	-62.7	-13	-49.7	-68.4	4.75	10.45	Vertical	Pass
7564.0	-60.67	-13	-47.67	-67.54	4.95	11.82	Vertical	Pass

CA_2A_7A-Low channel								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
5002.0	-61.19	-25	-36.19	-66.76	4.57	10.14	Horizontal	Pass
7503.0	-60.71	-25	-35.71	-67.51	4.94	11.74	Horizontal	Pass
10004.0	-57.09	-25	-32.09	-64.66	5.46	13.03	Horizontal	Pass
5002.0	-62.25	-25	-37.25	-67.82	4.57	10.14	Vertical	Pass
7503.0	-60.24	-25	-35.24	-67.04	4.94	11.74	Vertical	Pass
10004.0	-57.29	-25	-32.29	-64.86	5.46	13.03	Vertical	Pass

CA_2A_7A-Middle channel								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
5052.0	-59.92	-25	-34.92	-65.5	4.59	10.17	Horizontal	Pass
7578.0	-60.12	-25	-35.12	-67.0	4.95	11.83	Horizontal	Pass
10104.0	-57.3	-25	-32.3	-64.87	5.48	13.05	Horizontal	Pass
5052.0	-62.11	-25	-37.11	-67.69	4.59	10.17	Vertical	Pass
7578.0	-60.24	-25	-35.24	-67.12	4.95	11.83	Vertical	Pass
10104.0	-57.35	-25	-32.35	-64.92	5.48	13.05	Vertical	Pass

CA_2A_7A-High channel								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
5102.0	-63.63	-25	-38.63	-69.23	4.6	10.2	Horizontal	Pass
7653.0	-59.93	-25	-34.93	-66.9	4.95	11.92	Horizontal	Pass
10204.0	-57.6	-25	-32.6	-65.18	5.49	13.07	Horizontal	Pass
5102.0	-64.08	-25	-39.08	-69.68	4.6	10.2	Vertical	Pass
7653.0	-60.11	-25	-35.11	-67.08	4.95	11.92	Vertical	Pass
10204.0	-58.08	-25	-33.08	-65.66	5.49	13.07	Vertical	Pass