

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 B25_1.4MHz_EIRP

Band: 25 / 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	23.85	0.10	23.95	<=33.01	Pass
			5	23.95	0.10	24.05	<=33.01	Pass
		6	0	22.75	0.10	22.85	<=33.01	Pass
	1882.5	1	0	23.80	0.10	23.90	<=33.01	Pass
			5	23.80	0.10	23.90	<=33.01	Pass
		6	0	22.76	0.10	22.86	<=33.01	Pass
	1914.3	1	0	23.62	0.10	23.72	<=33.01	Pass
			5	23.70	0.10	23.80	<=33.01	Pass
		6	0	22.83	0.10	22.93	<=33.01	Pass
16QAM	1850.7	1	0	22.85	0.10	22.95	<=33.01	Pass
			5	22.70	0.10	22.80	<=33.01	Pass
		6	0	21.81	0.10	21.91	<=33.01	Pass
	1882.5	1	0	23.04	0.10	23.14	<=33.01	Pass
			5	23.09	0.10	23.19	<=33.01	Pass
		6	0	21.84	0.10	21.94	<=33.01	Pass
	1914.3	1	0	22.96	0.10	23.06	<=33.01	Pass
			5	22.96	0.10	23.06	<=33.01	Pass
		6	0	21.86	0.10	21.96	<=33.01	Pass
64QAM	1850.7	1	0	21.74	0.10	21.84	<=33.01	Pass
			5	21.67	0.10	21.77	<=33.01	Pass
		6	0	20.78	0.10	20.88	<=33.01	Pass
	1882.5	1	0	21.98	0.10	22.08	<=33.01	Pass
			5	21.97	0.10	22.07	<=33.01	Pass
		6	0	20.78	0.10	20.88	<=33.01	Pass
	1914.3	1	0	21.74	0.10	21.84	<=33.01	Pass
			5	22.01	0.10	22.11	<=33.01	Pass
		6	0	20.74	0.10	20.84	<=33.01	Pass
256QAM	1850.7	1	0	18.96	0.10	19.06	<=33.01	Pass
			5	19.00	0.10	19.10	<=33.01	Pass
		6	0	18.80	0.10	18.90	<=33.01	Pass
	1882.5	1	0	18.99	0.10	19.09	<=33.01	Pass
			5	18.99	0.10	19.09	<=33.01	Pass
		6	0	18.88	0.10	18.98	<=33.01	Pass
	1914.3	1	0	18.95	0.10	19.05	<=33.01	Pass
			5	18.82	0.10	18.92	<=33.01	Pass
		6	0	18.91	0.10	19.01	<=33.01	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.1.2 B25_3MHz_EIRP

Band: 25 / 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	23.84	0.10	23.94	<=33.01	Pass
			14	23.86	0.10	23.96	<=33.01	Pass
		15	0	22.80	0.10	22.90	<=33.01	Pass
	1882.5	1	0	23.82	0.10	23.92	<=33.01	Pass

			14	23.87	0.10	23.97	<=33.01	Pass
		15	0	22.81	0.10	22.91	<=33.01	Pass
	1913.5	1	0	23.76	0.10	23.86	<=33.01	Pass
			14	23.84	0.10	23.94	<=33.01	Pass
		15	0	22.85	0.10	22.95	<=33.01	Pass
16QAM	1851.5	1	0	22.97	0.10	23.07	<=33.01	Pass
			14	22.76	0.10	22.86	<=33.01	Pass
		15	0	21.88	0.10	21.98	<=33.01	Pass
	1882.5	1	0	23.01	0.10	23.11	<=33.01	Pass
			14	23.06	0.10	23.16	<=33.01	Pass
		15	0	21.87	0.10	21.97	<=33.01	Pass
	1913.5	1	0	23.11	0.10	23.21	<=33.01	Pass
			14	22.97	0.10	23.07	<=33.01	Pass
		15	0	21.81	0.10	21.91	<=33.01	Pass
64QAM	1851.5	1	0	21.97	0.10	22.07	<=33.01	Pass
			14	22.03	0.10	22.13	<=33.01	Pass
		15	0	20.83	0.10	20.93	<=33.01	Pass
	1882.5	1	0	21.87	0.10	21.97	<=33.01	Pass
			14	22.07	0.10	22.17	<=33.01	Pass
		15	0	20.80	0.10	20.90	<=33.01	Pass
	1913.5	1	0	22.03	0.10	22.13	<=33.01	Pass
			14	22.03	0.10	22.13	<=33.01	Pass
		15	0	20.69	0.10	20.79	<=33.01	Pass
256QAM	1851.5	1	0	18.96	0.10	19.06	<=33.01	Pass
			14	18.97	0.10	19.07	<=33.01	Pass
		15	0	18.83	0.10	18.93	<=33.01	Pass
	1882.5	1	0	19.00	0.10	19.10	<=33.01	Pass
			14	18.91	0.10	19.01	<=33.01	Pass
		15	0	18.91	0.10	19.01	<=33.01	Pass
	1913.5	1	0	19.06	0.10	19.16	<=33.01	Pass
			14	18.72	0.10	18.82	<=33.01	Pass
		15	0	18.91	0.10	19.01	<=33.01	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.1.3 B25_5MHz_EIRP

Band: 25 / 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	23.97	0.10	24.07	<=33.01	Pass
			24	23.92	0.10	24.02	<=33.01	Pass
		25	0	22.94	0.10	23.04	<=33.01	Pass
	1882.5	1	0	23.94	0.10	24.04	<=33.01	Pass
			24	23.89	0.10	23.99	<=33.01	Pass
		25	0	22.92	0.10	23.02	<=33.01	Pass
	1912.5	1	0	23.94	0.10	24.04	<=33.01	Pass
			24	23.91	0.10	24.01	<=33.01	Pass
		25	0	22.94	0.10	23.04	<=33.01	Pass
16QAM	1852.5	1	0	22.99	0.10	23.09	<=33.01	Pass
			24	23.03	0.10	23.13	<=33.01	Pass
		25	0	21.92	0.10	22.02	<=33.01	Pass
	1882.5	1	0	23.10	0.10	23.20	<=33.01	Pass
			24	22.90	0.10	23.00	<=33.01	Pass
		25	0	21.98	0.10	22.08	<=33.01	Pass
	1912.5	1	0	23.03	0.10	23.13	<=33.01	Pass
			24	22.92	0.10	23.02	<=33.01	Pass
		25	0	21.94	0.10	22.04	<=33.01	Pass

64QAM	1852.5	1	0	22.10	0.10	22.20	<=33.01	Pass
			24	21.94	0.10	22.04	<=33.01	Pass
		25	0	20.90	0.10	21.00	<=33.01	Pass
	1882.5	1	0	22.06	0.10	22.16	<=33.01	Pass
			24	22.09	0.10	22.19	<=33.01	Pass
		25	0	20.87	0.10	20.97	<=33.01	Pass
	1912.5	1	0	21.59	0.10	21.69	<=33.01	Pass
			24	21.98	0.10	22.08	<=33.01	Pass
		25	0	20.92	0.10	21.02	<=33.01	Pass
256QAM	1852.5	1	0	18.66	0.10	18.76	<=33.01	Pass
			24	19.02	0.10	19.12	<=33.01	Pass
		25	0	18.95	0.10	19.05	<=33.01	Pass
	1882.5	1	0	18.87	0.10	18.97	<=33.01	Pass
			24	19.04	0.10	19.14	<=33.01	Pass
		25	0	18.92	0.10	19.02	<=33.01	Pass
	1912.5	1	0	19.05	0.10	19.15	<=33.01	Pass
			24	19.13	0.10	19.23	<=33.01	Pass
		25	0	19.02	0.10	19.12	<=33.01	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.1.4 B25_10MHz_EIRP

Band: 25 / Bandwidth: 10MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1855	1	0	23.96	0.10	24.06	<=33.01	Pass
			49	23.88	0.10	23.98	<=33.01	Pass
		50	0	22.91	0.10	23.01	<=33.01	Pass
	1882.5	1	0	23.98	0.10	24.08	<=33.01	Pass
			49	23.95	0.10	24.05	<=33.01	Pass
		50	0	22.97	0.10	23.07	<=33.01	Pass
	1910	1	0	23.99	0.10	24.09	<=33.01	Pass
			49	23.96	0.10	24.06	<=33.01	Pass
		50	0	22.94	0.10	23.04	<=33.01	Pass
16QAM	1855	1	0	23.19	0.10	23.29	<=33.01	Pass
			49	22.79	0.10	22.89	<=33.01	Pass
		50	0	21.82	0.10	21.92	<=33.01	Pass
	1882.5	1	0	22.96	0.10	23.06	<=33.01	Pass
			49	23.07	0.10	23.17	<=33.01	Pass
		50	0	21.91	0.10	22.01	<=33.01	Pass
	1910	1	0	23.07	0.10	23.17	<=33.01	Pass
			49	23.21	0.10	23.31	<=33.01	Pass
		50	0	21.90	0.10	22.00	<=33.01	Pass
64QAM	1855	1	0	22.02	0.10	22.12	<=33.01	Pass
			49	21.73	0.10	21.83	<=33.01	Pass
		50	0	20.87	0.10	20.97	<=33.01	Pass
	1882.5	1	0	22.07	0.10	22.17	<=33.01	Pass
			49	21.67	0.10	21.77	<=33.01	Pass
		50	0	20.92	0.10	21.02	<=33.01	Pass
	1910	1	0	21.93	0.10	22.03	<=33.01	Pass
			49	22.02	0.10	22.12	<=33.01	Pass
		50	0	20.93	0.10	21.03	<=33.01	Pass
256QAM	1855	1	0	19.06	0.10	19.16	<=33.01	Pass
			49	19.00	0.10	19.10	<=33.01	Pass
		50	0	18.92	0.10	19.02	<=33.01	Pass
	1882.5	1	0	19.11	0.10	19.21	<=33.01	Pass

	1910	50	0	18.97	0.10	19.07	<=33.01	Pass
		1	0	19.02	0.10	19.12	<=33.01	Pass
			49	19.15	0.10	19.25	<=33.01	Pass
		50	0	18.94	0.10	19.04	<=33.01	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.1.5 B25_15MHz_EIRP

Band: 25 / 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	23.94	0.10	24.04	<=33.01	Pass
			74	24.04	0.10	24.14	<=33.01	Pass
		75	0	22.89	0.10	22.99	<=33.01	Pass
	1882.5	1	0	24.00	0.10	24.10	<=33.01	Pass
			74	23.84	0.10	23.94	<=33.01	Pass
		75	0	22.97	0.10	23.07	<=33.01	Pass
	1907.5	1	0	24.03	0.10	24.13	<=33.01	Pass
			74	23.85	0.10	23.95	<=33.01	Pass
		75	0	22.95	0.10	23.05	<=33.01	Pass
16QAM	1857.5	1	0	23.08	0.10	23.18	<=33.01	Pass
			74	23.03	0.10	23.13	<=33.01	Pass
		75	0	21.93	0.10	22.03	<=33.01	Pass
	1882.5	1	0	22.85	0.10	22.95	<=33.01	Pass
			74	22.84	0.10	22.94	<=33.01	Pass
		75	0	21.94	0.10	22.04	<=33.01	Pass
	1907.5	1	0	23.24	0.10	23.34	<=33.01	Pass
			74	23.10	0.10	23.20	<=33.01	Pass
		75	0	21.93	0.10	22.03	<=33.01	Pass
64QAM	1857.5	1	0	21.96	0.10	22.06	<=33.01	Pass
			74	21.99	0.10	22.09	<=33.01	Pass
		75	0	20.90	0.10	21.00	<=33.01	Pass
	1882.5	1	0	22.04	0.10	22.14	<=33.01	Pass
			74	22.11	0.10	22.21	<=33.01	Pass
		75	0	20.96	0.10	21.06	<=33.01	Pass
	1907.5	1	0	22.13	0.10	22.23	<=33.01	Pass
			74	22.10	0.10	22.20	<=33.01	Pass
		75	0	20.98	0.10	21.08	<=33.01	Pass
256QAM	1857.5	1	0	18.99	0.10	19.09	<=33.01	Pass
			74	19.12	0.10	19.22	<=33.01	Pass
		75	0	18.98	0.10	19.08	<=33.01	Pass
	1882.5	1	0	18.92	0.10	19.02	<=33.01	Pass
			74	19.10	0.10	19.20	<=33.01	Pass
		75	0	18.93	0.10	19.03	<=33.01	Pass
	1907.5	1	0	19.21	0.10	19.31	<=33.01	Pass
			74	19.17	0.10	19.27	<=33.01	Pass
		75	0	19.06	0.10	19.16	<=33.01	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.1.6 B25_20MHz_EIRP

Band: 25 / Bandwidth: 20MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1860	1	0	23.99	0.10	24.09	<=33.01	Pass
			99	24.09	0.10	24.19	<=33.01	Pass

	1882.5	100	0	22.95	0.10	23.05	<=33.01	Pass
		1	0	23.99	0.10	24.09	<=33.01	Pass
			99	23.96	0.10	24.06	<=33.01	Pass
	1905	100	0	22.98	0.10	23.08	<=33.01	Pass
		1	0	23.93	0.10	24.03	<=33.01	Pass
			99	24.01	0.10	24.11	<=33.01	Pass
16QAM	1860	1	0	22.94	0.10	23.04	<=33.01	Pass
			99	22.97	0.10	23.07	<=33.01	Pass
		100	0	21.93	0.10	22.03	<=33.01	Pass
	1882.5	1	0	23.02	0.10	23.12	<=33.01	Pass
			99	23.08	0.10	23.18	<=33.01	Pass
		100	0	21.94	0.10	22.04	<=33.01	Pass
	1905	1	0	22.95	0.10	23.05	<=33.01	Pass
			99	23.07	0.10	23.17	<=33.01	Pass
		100	0	21.94	0.10	22.04	<=33.01	Pass
64QAM	1860	1	0	21.97	0.10	22.07	<=33.01	Pass
			99	21.93	0.10	22.03	<=33.01	Pass
		100	0	20.92	0.10	21.02	<=33.01	Pass
	1882.5	1	0	22.02	0.10	22.12	<=33.01	Pass
			99	22.20	0.10	22.30	<=33.01	Pass
		100	0	20.99	0.10	21.09	<=33.01	Pass
	1905	1	0	22.13	0.10	22.23	<=33.01	Pass
			99	21.96	0.10	22.06	<=33.01	Pass
		100	0	20.96	0.10	21.06	<=33.01	Pass
256QAM	1860	1	0	19.04	0.10	19.14	<=33.01	Pass
			99	18.90	0.10	19.00	<=33.01	Pass
		100	0	19.01	0.10	19.11	<=33.01	Pass
	1882.5	1	0	19.11	0.10	19.21	<=33.01	Pass
			99	19.12	0.10	19.22	<=33.01	Pass
		100	0	18.98	0.10	19.08	<=33.01	Pass
	1905	1	0	19.12	0.10	19.22	<=33.01	Pass
			99	19.18	0.10	19.28	<=33.01	Pass
		100	0	19.03	0.10	19.13	<=33.01	Pass

Note1: EIRP=Conducted Power+Antenna Gain

2. Frequency Stability

2.1 Test Result

2.1.1 B25_10MHz

Band: 25 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1882.5	50	0	20	LV	-4.600	-0.0024	-2.5 to 2.5	Pass
					NV	-3.100	-0.0016	-2.5 to 2.5	Pass
					HV	-1.200	-0.0006	-2.5 to 2.5	Pass
				-30	NV	1.700	0.0009	-2.5 to 2.5	Pass
				-20	NV	-3.800	-0.0020	-2.5 to 2.5	Pass
				-10	NV	2.000	0.0011	-2.5 to 2.5	Pass
				0	NV	0.000	0.0000	-2.5 to 2.5	Pass
				10	NV	-5.200	-0.0028	-2.5 to 2.5	Pass
				30	NV	-0.800	-0.0004	-2.5 to 2.5	Pass
				40	NV	4.500	0.0024	-2.5 to 2.5	Pass
				50	NV	-3.600	-0.0019	-2.5 to 2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 Band25_OBW

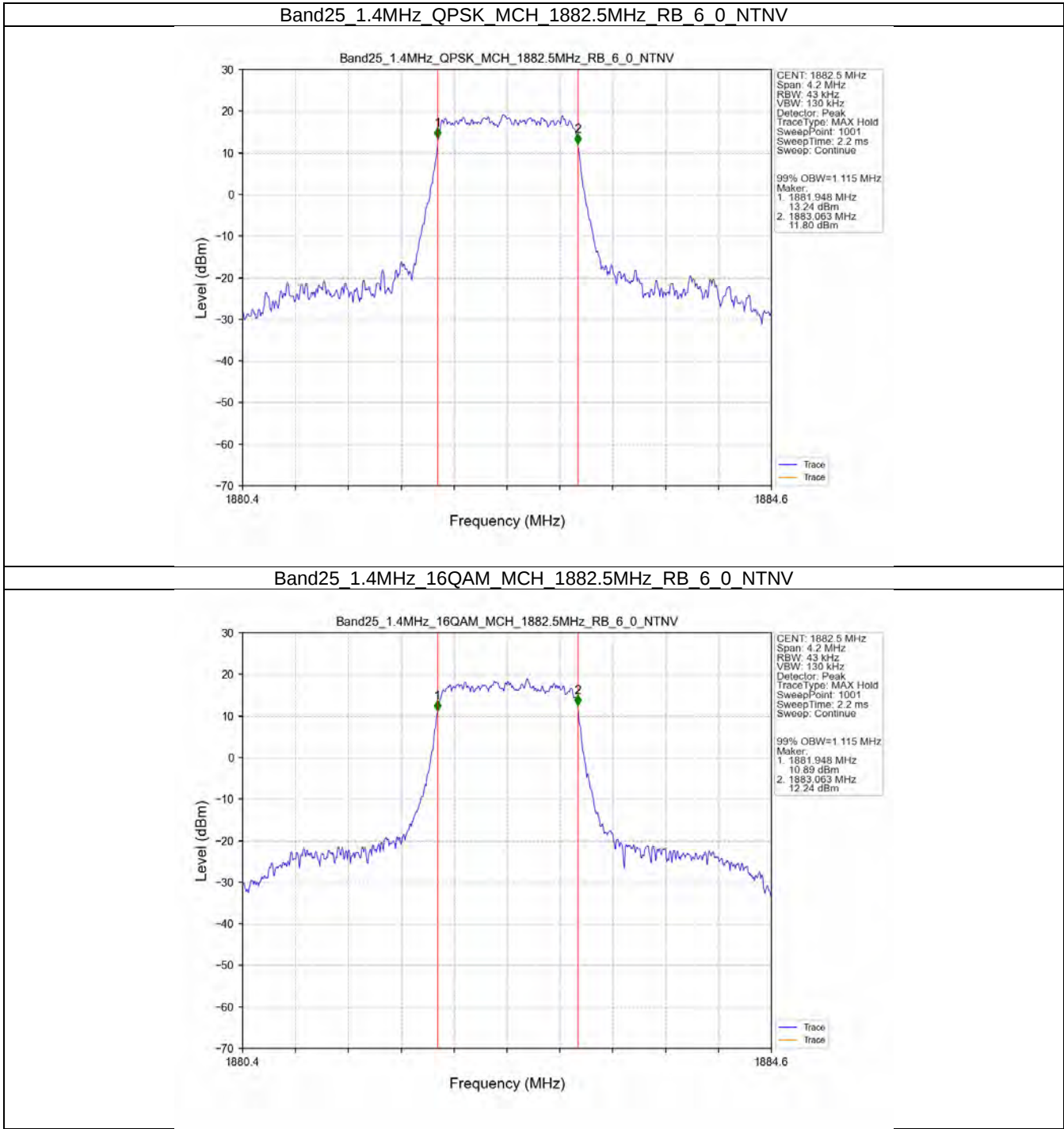
Band: 25 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	1882.5	6	0	1.115	/	Pass
	16QAM	1882.5	6	0	1.115	/	Pass
3	QPSK	1882.5	15	0	2.731	/	Pass
	16QAM	1882.5	15	0	2.725	/	Pass
5	QPSK	1882.5	25	0	4.550	/	Pass
	16QAM	1882.5	25	0	4.538	/	Pass
10	QPSK	1882.5	50	0	9.043	/	Pass
	16QAM	1882.5	50	0	9.038	/	Pass
15	QPSK	1882.5	75	0	13.575	/	Pass
	16QAM	1882.5	75	0	13.583	/	Pass
20	QPSK	1882.5	100	0	18.123	/	Pass
	16QAM	1882.5	100	0	18.082	/	Pass

3.1.2 Band25_XDB

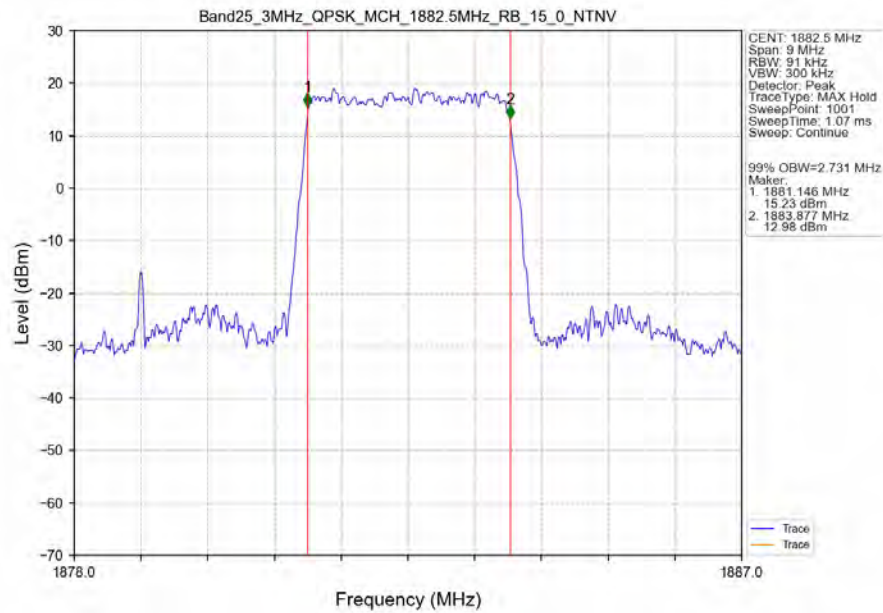
Band: 25 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	1882.5	6	0	1.322	/	Pass
	16QAM	1882.5	6	0	1.314	/	Pass
3	QPSK	1882.5	15	0	3.031	/	Pass
	16QAM	1882.5	15	0	3.016	/	Pass
5	QPSK	1882.5	25	0	5.015	/	Pass
	16QAM	1882.5	25	0	5.050	/	Pass
10	QPSK	1882.5	50	0	9.894	/	Pass
	16QAM	1882.5	50	0	9.906	/	Pass
15	QPSK	1882.5	75	0	14.986	/	Pass
	16QAM	1882.5	75	0	14.876	/	Pass
20	QPSK	1882.5	100	0	19.816	/	Pass
	16QAM	1882.5	100	0	19.687	/	Pass

3.2 Test Graph

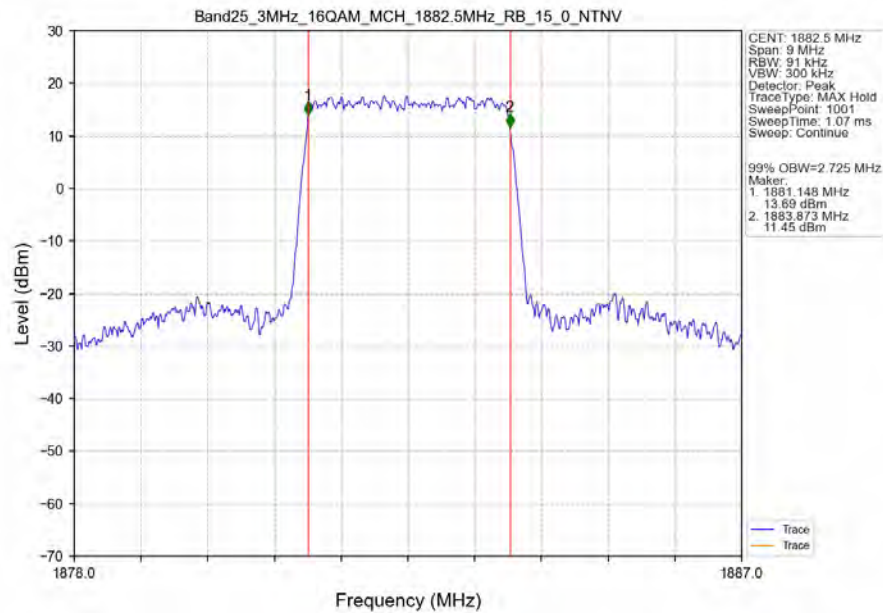
3.2.1 Band25_OBW



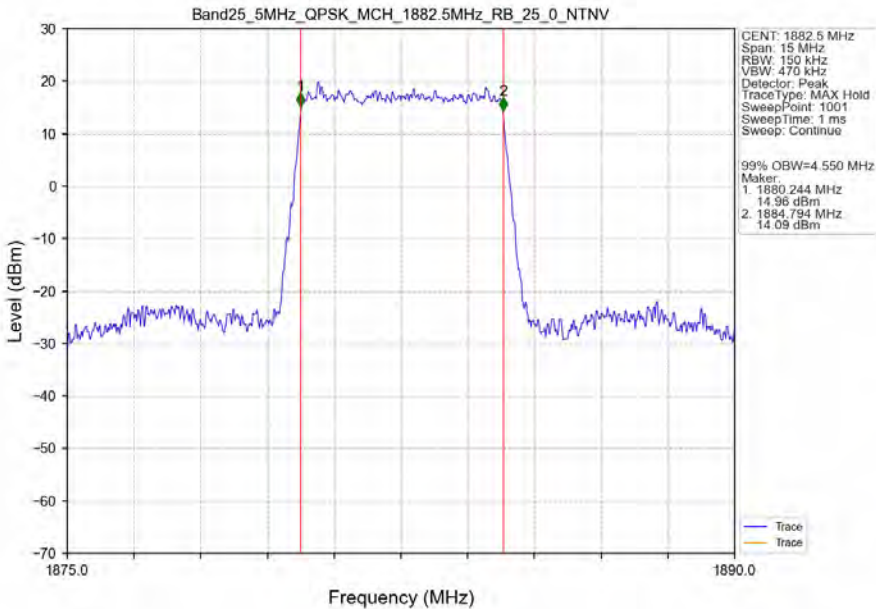
Band25 3MHz QPSK MCH 1882.5MHz RB 15 0 NTV



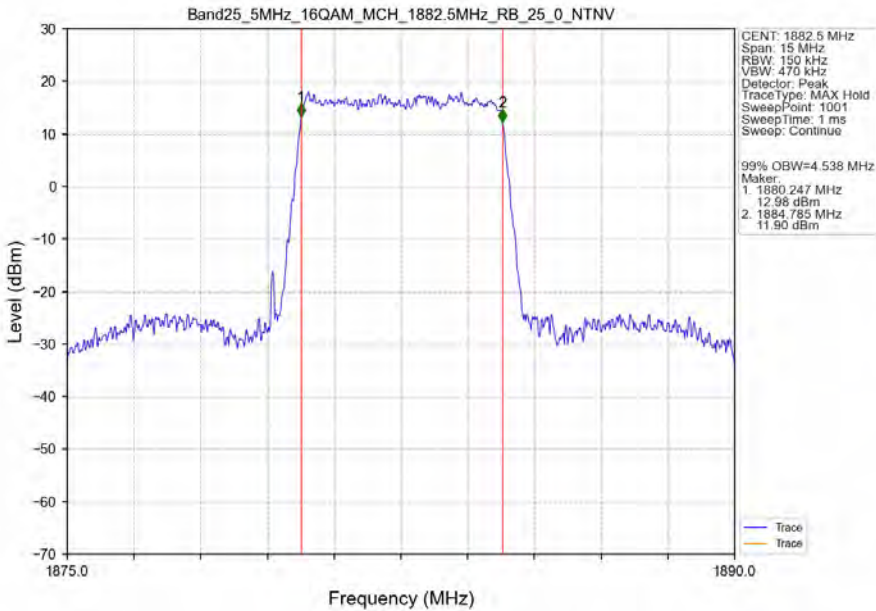
Band25 3MHz 16QAM MCH 1882.5MHz RB 15 0 NTV



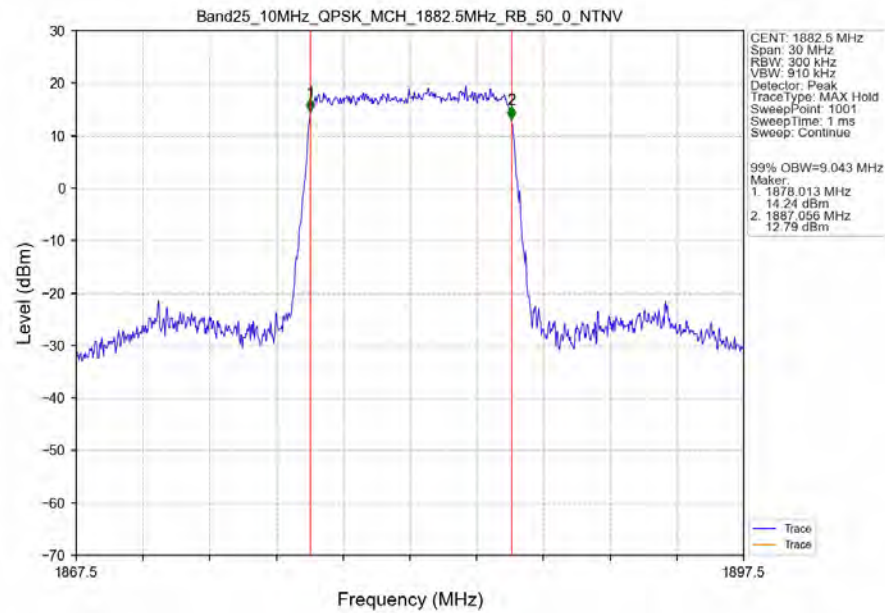
Band25 5MHz QPSK MCH 1882.5MHz RB 25 0 NTNV



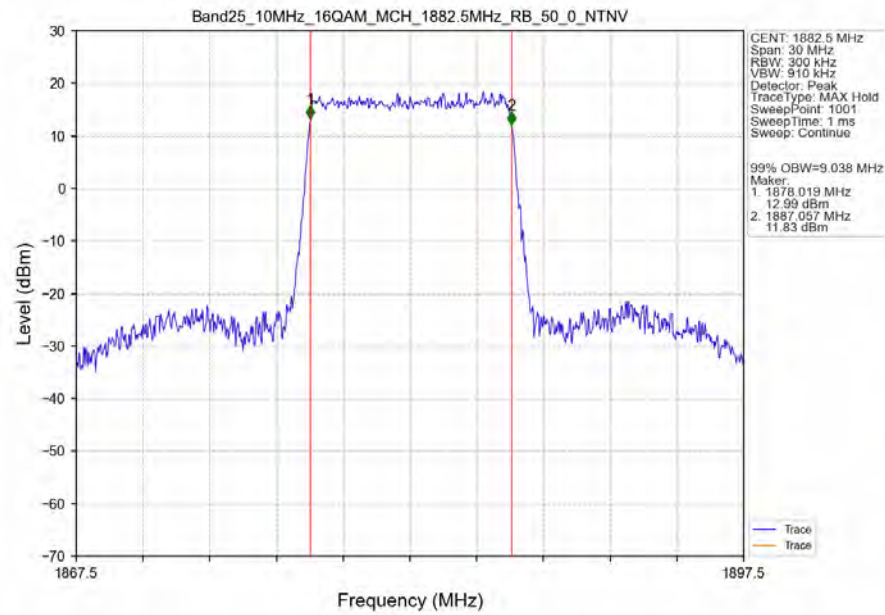
Band25 5MHz 16QAM MCH 1882.5MHz RB 25 0 NTNV



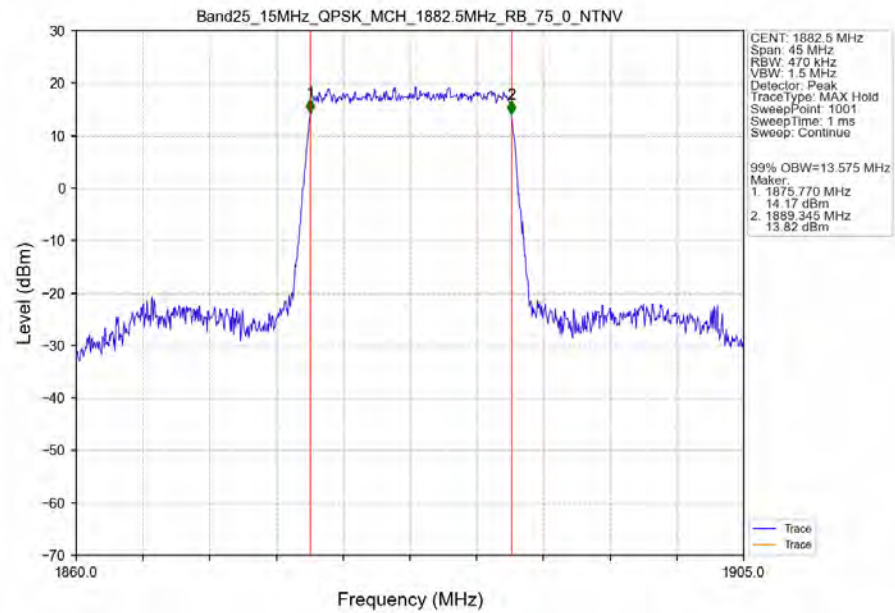
Band25_10MHz_QPSK_MCH_1882.5MHz_RB_50_0_NTNV



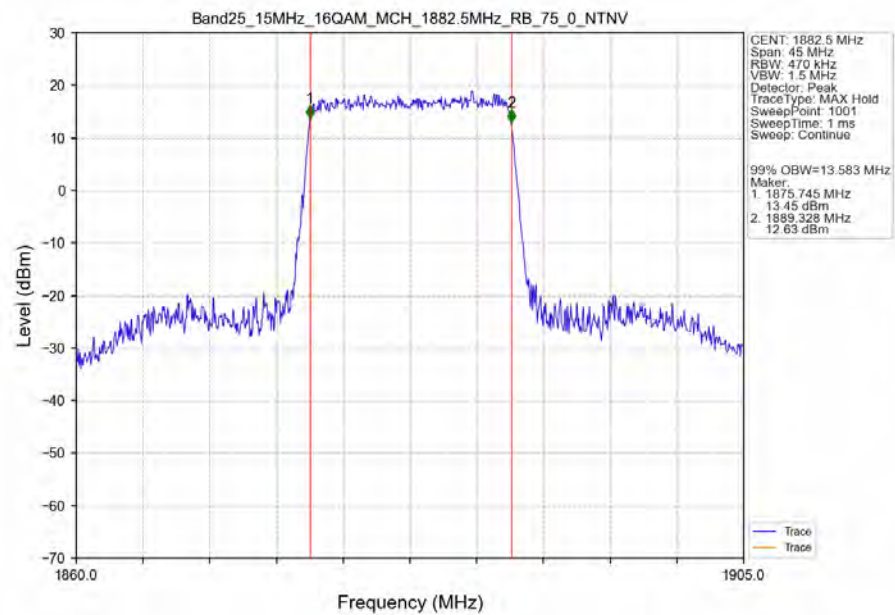
Band25_10MHz_16QAM_MCH_1882.5MHz_RB_50_0_NTNV



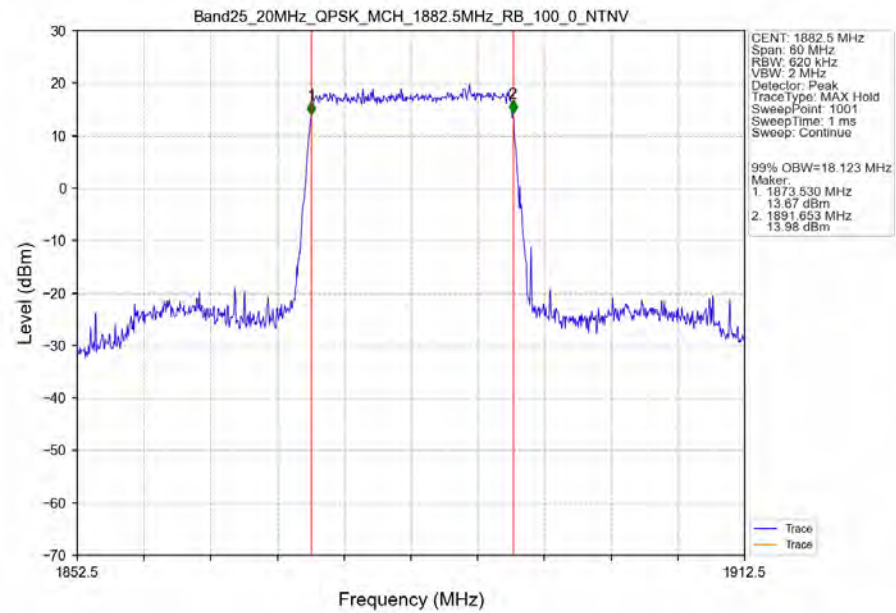
Band25 15MHz QPSK MCH 1882.5MHz RB 75 0 NTV



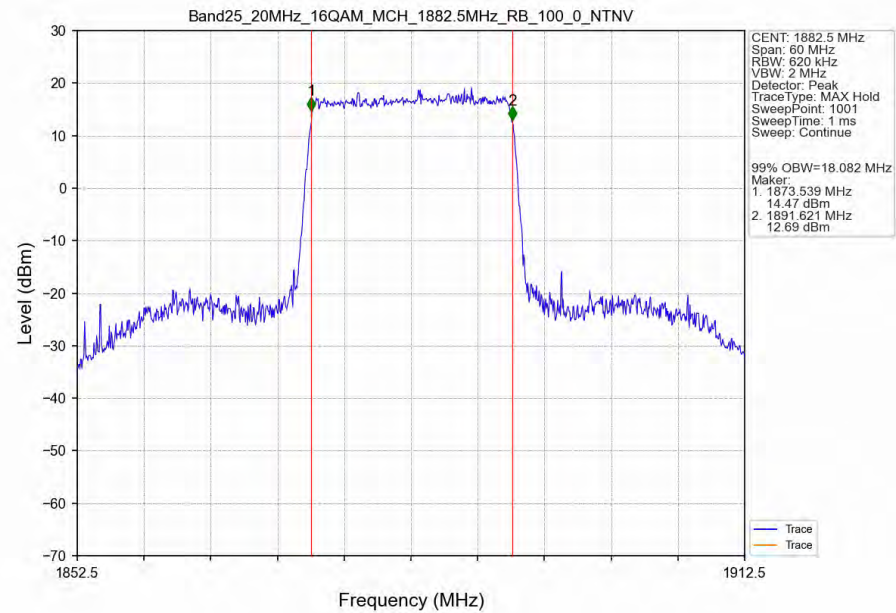
Band25 15MHz 16QAM MCH 1882.5MHz RB 75 0 NTV



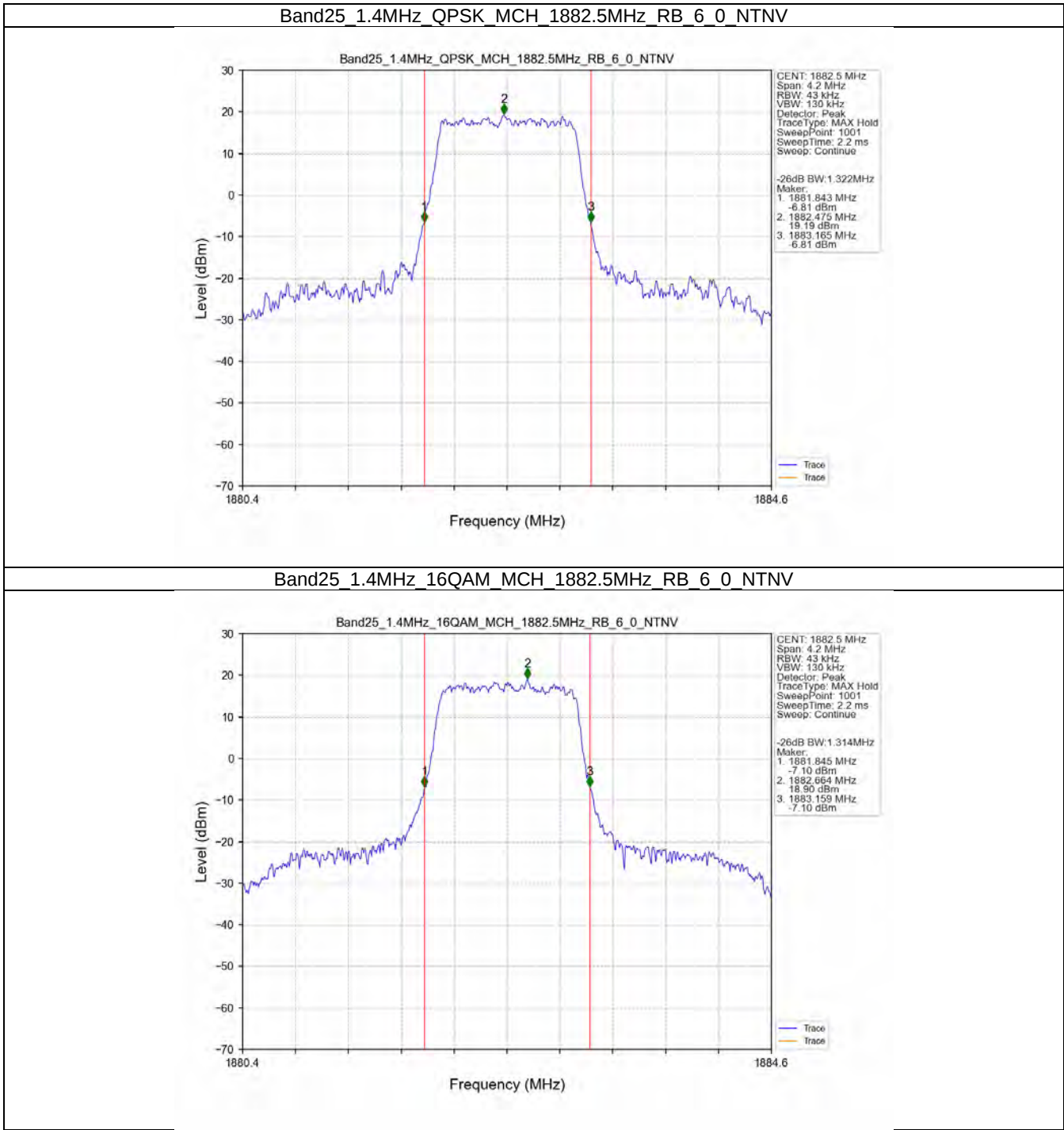
Band25 20MHz QPSK MCH 1882.5MHz RB 100 0 NTN



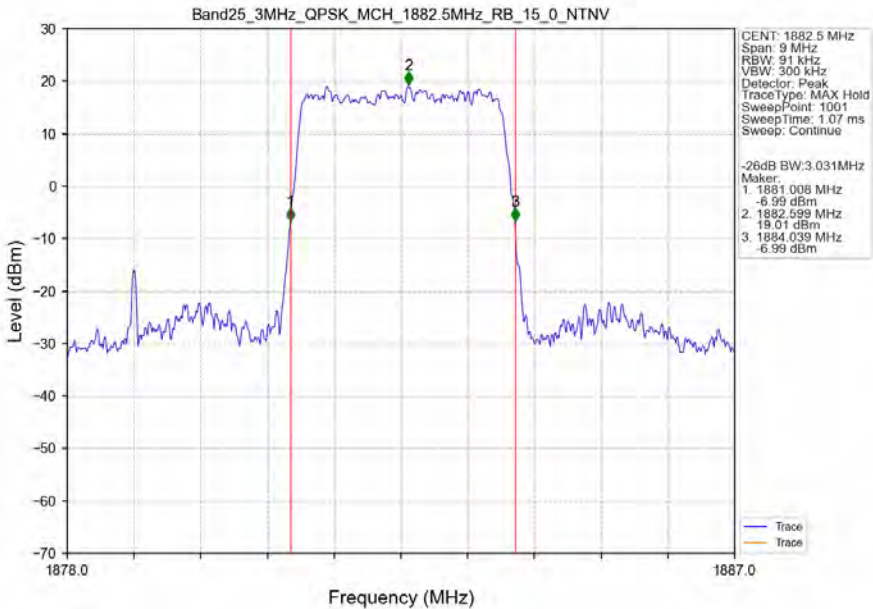
Band25 20MHz 16QAM MCH 1882.5MHz RB 100 0 NTN



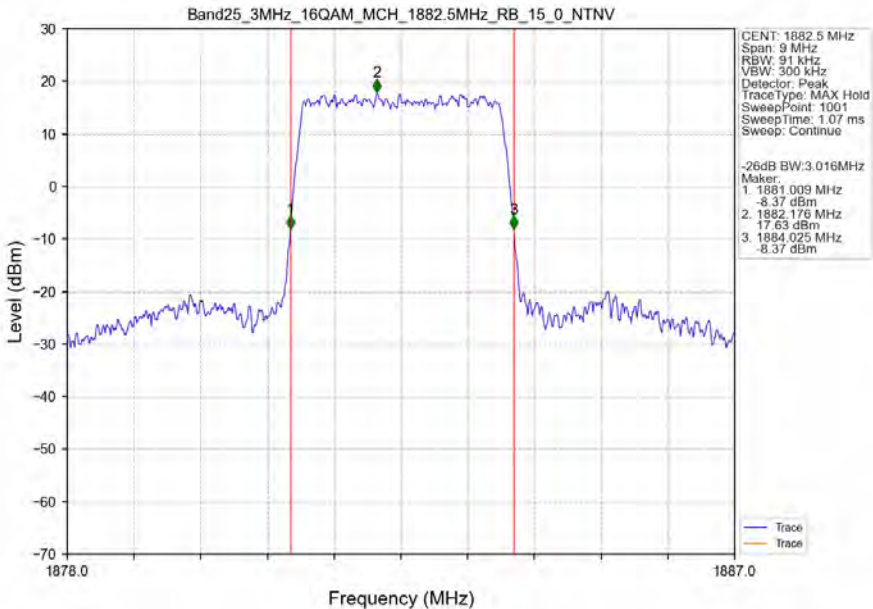
3.2.2 Band25_XDB



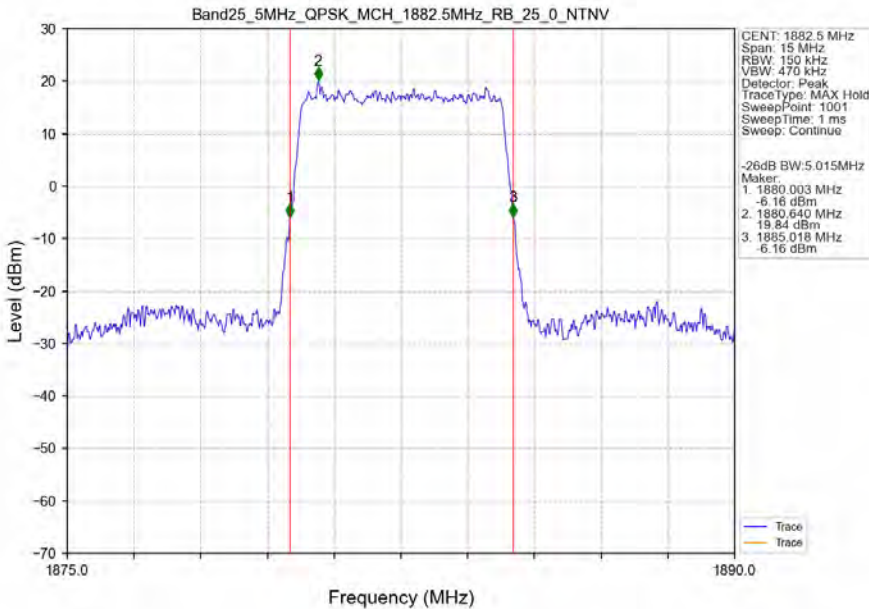
Band25 3MHz QPSK MCH 1882.5MHz RB 15 0 NTNV



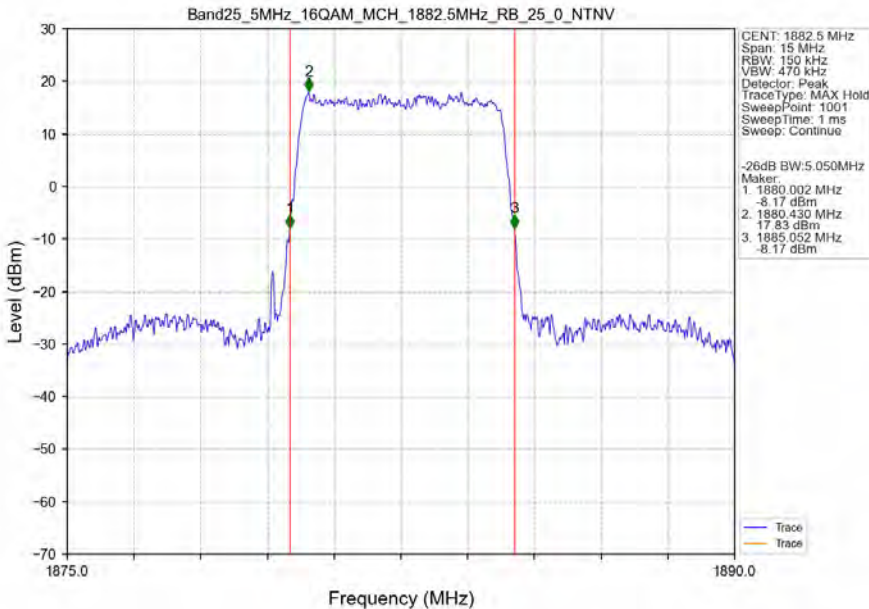
Band25 3MHz 16QAM MCH 1882.5MHz RB 15 0 NTNV



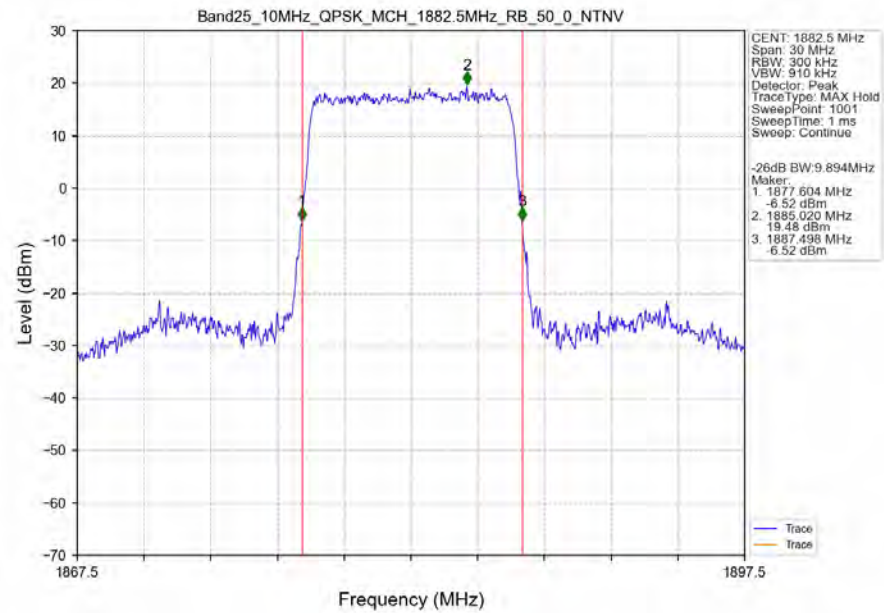
Band25 5MHz QPSK MCH 1882.5MHz RB 25 0 NTN



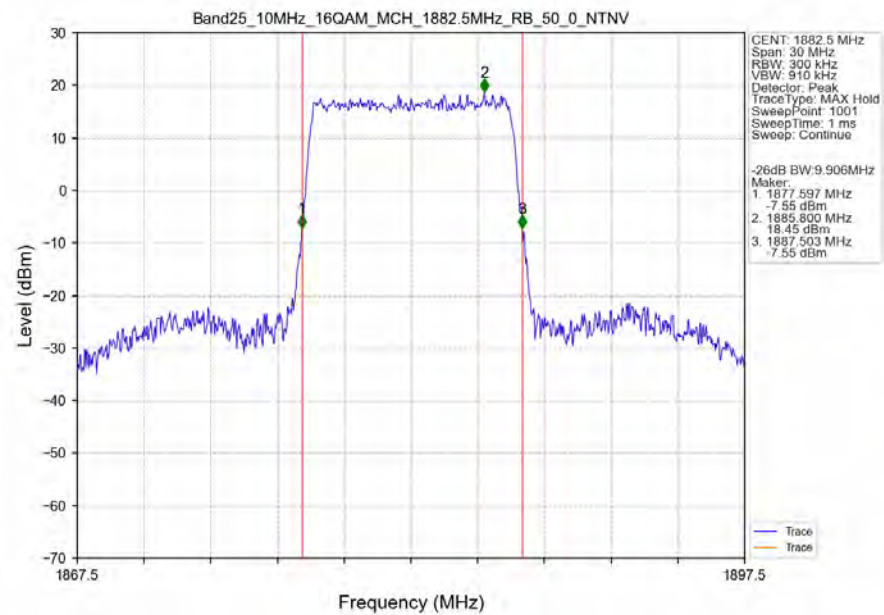
Band25 5MHz 16QAM MCH 1882.5MHz RB 25 0 NTN



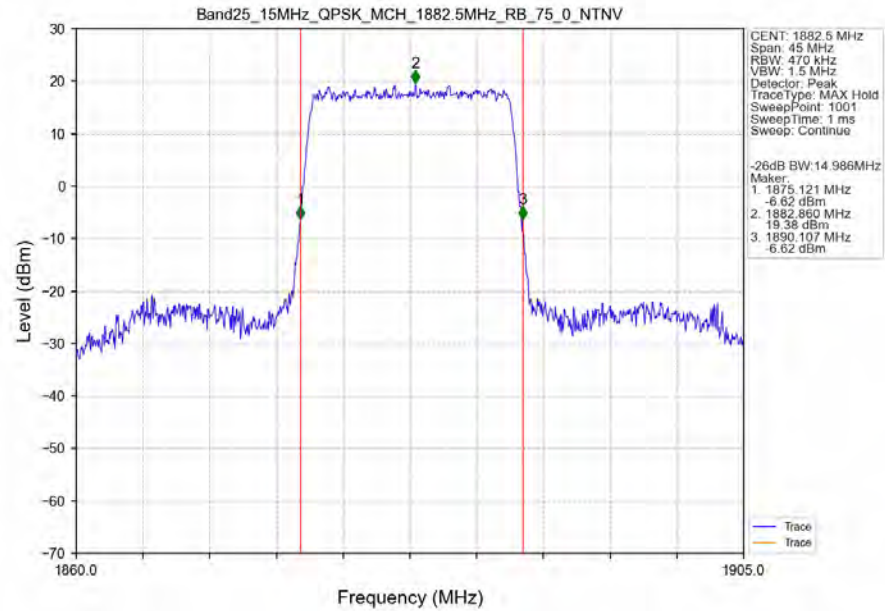
Band25 10MHz QPSK MCH 1882.5MHz RB 50 0 NTNV



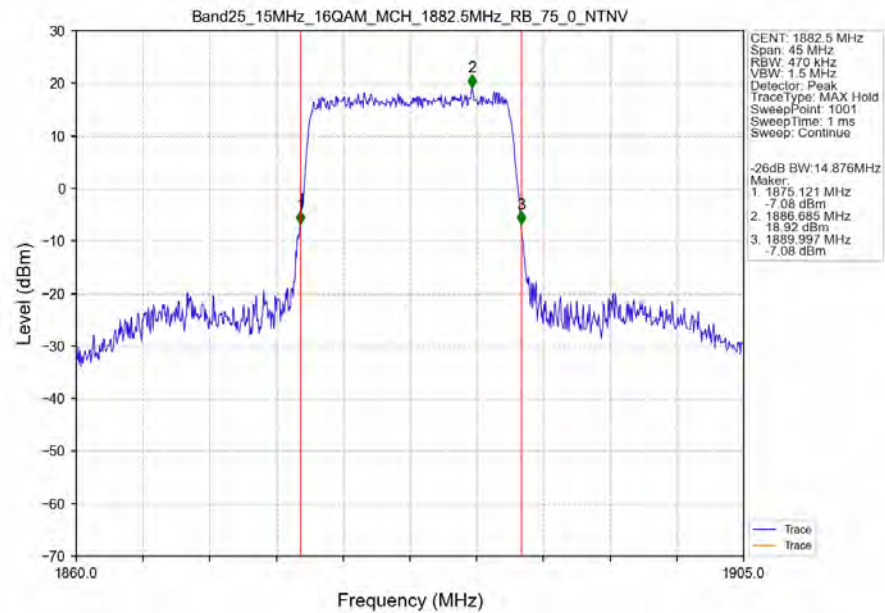
Band25 10MHz 16QAM MCH 1882.5MHz RB 50 0 NTNV



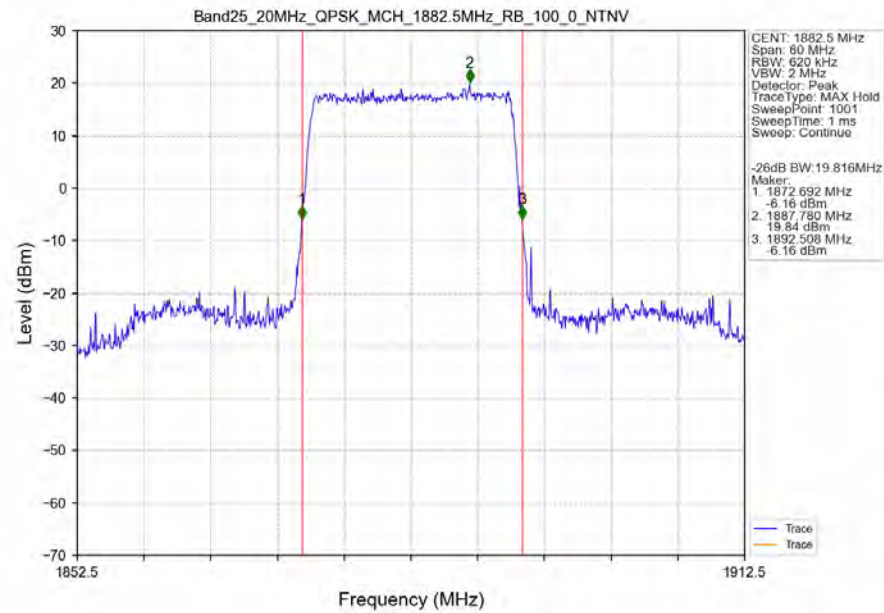
Band25_15MHz_QPSK_MCH_1882.5MHz_RB_75_0_NTNV



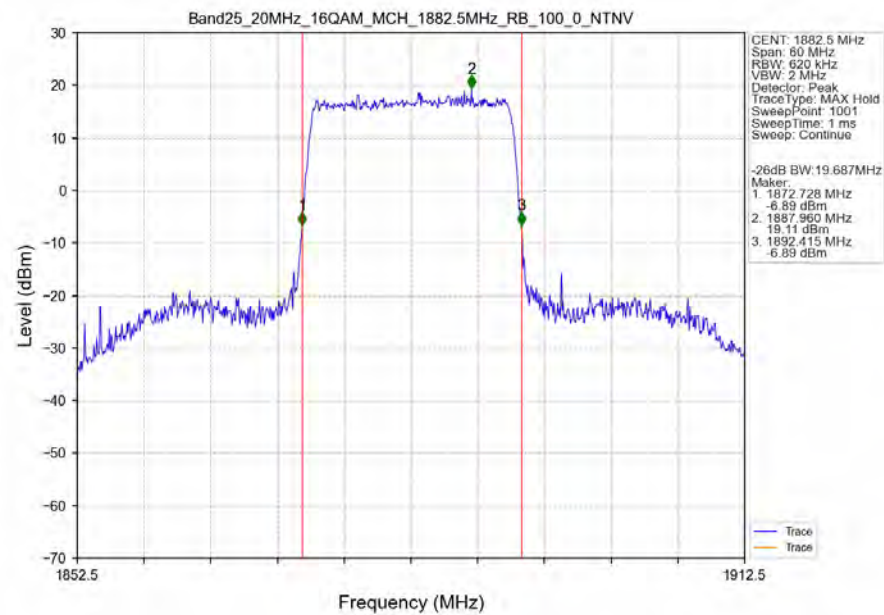
Band25_15MHz_16QAM_MCH_1882.5MHz_RB_75_0_NTNV



Band25 20MHz QPSK MCH 1882.5MHz RB 100 0 NTN



Band25 20MHz 16QAM MCH 1882.5MHz RB 100 0 NTN



4. Peak-Average Ratio

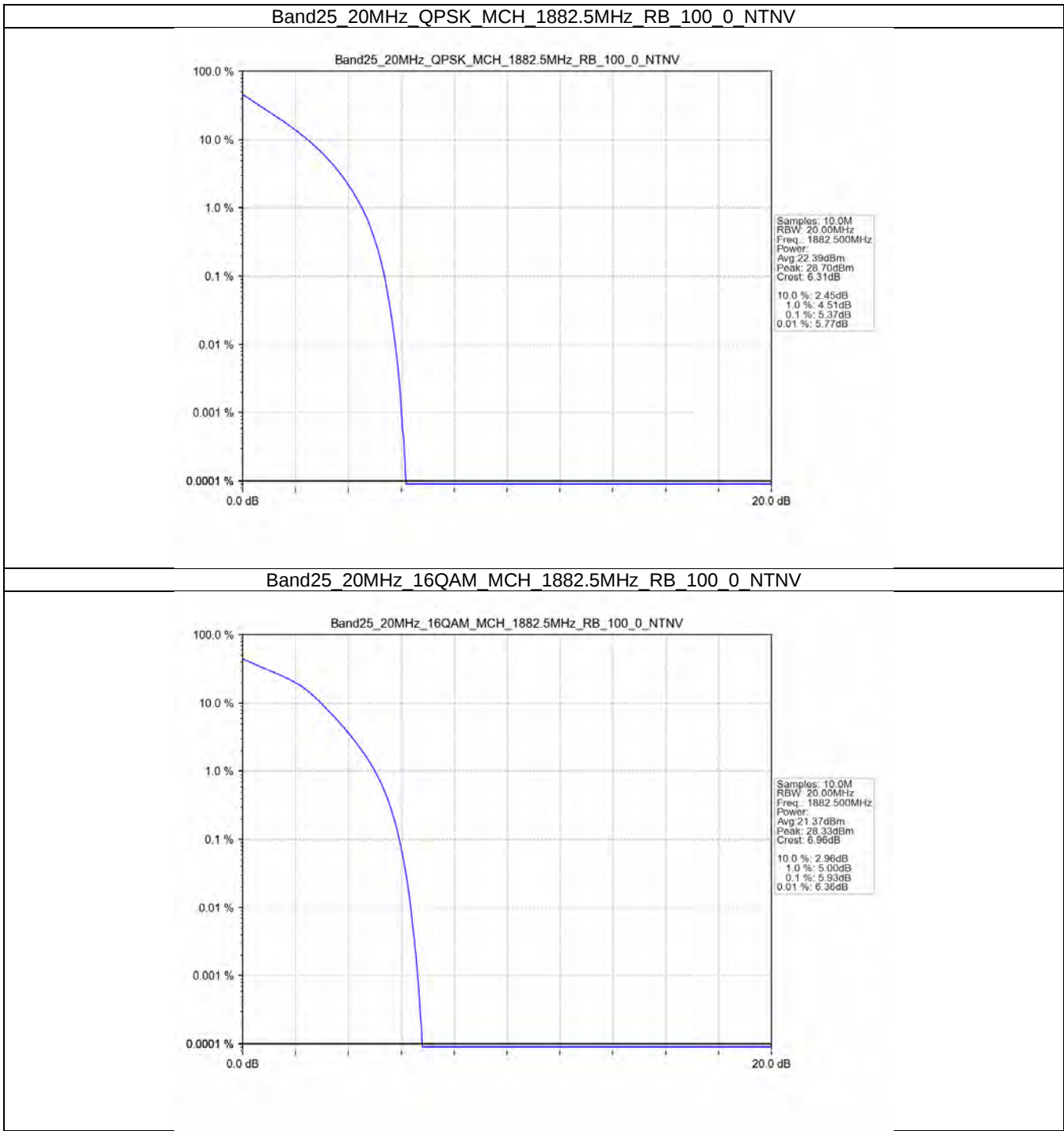
4.1 Test Result

4.1.1 B25_20MHz

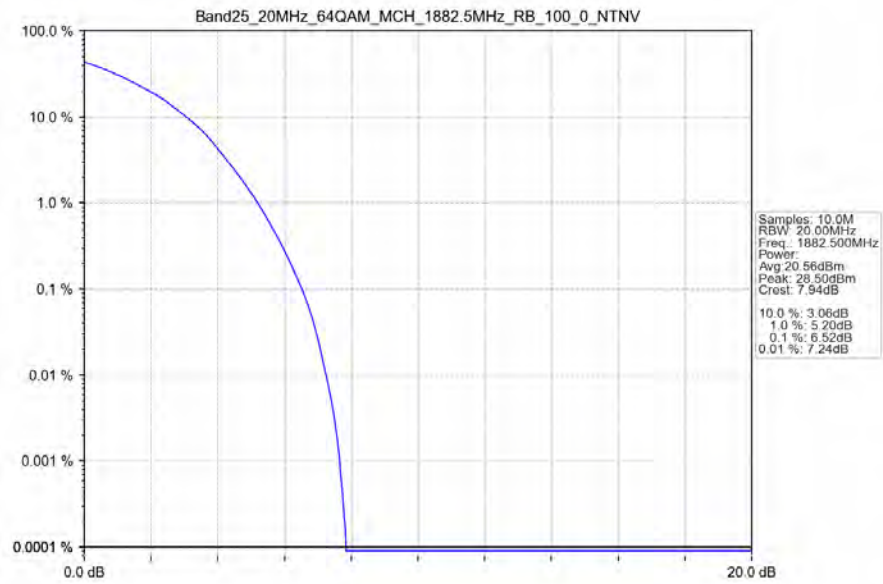
Band: 25 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1882.5	100	0	5.37	<=13	Pass
16QAM	1882.5	100	0	5.93	<=13	Pass
64QAM	1882.5	100	0	6.52	<=13	Pass
256QAM	1882.5	100	0	6.48	<=13	Pass

4.2 Test Graph

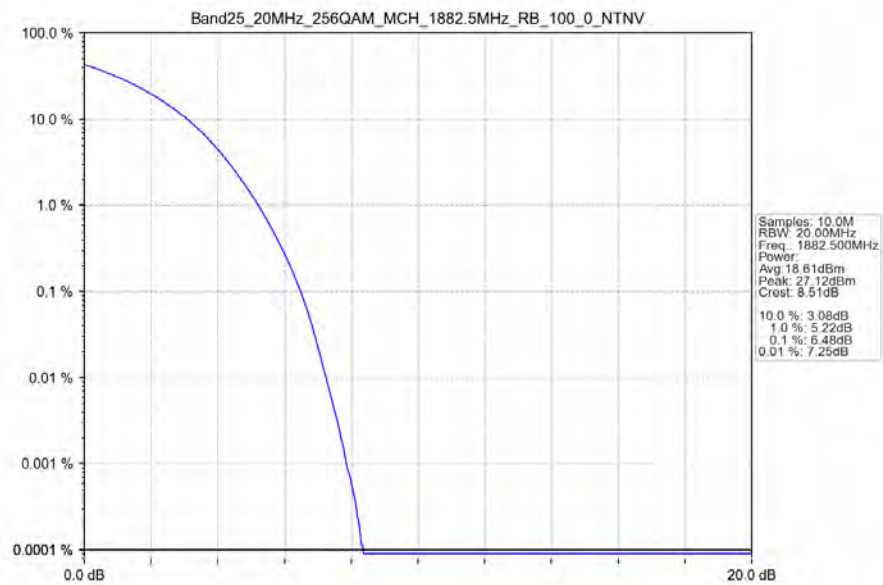
4.2.1 B25_20MHz



Band25 20MHz 64QAM MCH 1882.5MHz RB 100 0 NTV



Band25 20MHz 256QAM MCH 1882.5MHz RB 100 0 NTV



5. Spurious Emission

5.1 Test Result

5.1.1 B25_1.4MHz

Band: 25 / 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
	1882.5	1	0	Refer To Test Graph		Pass
	1914.3	1	0	Refer To Test Graph		Pass
			5	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass

5.1.2 B25_3MHz

Band: 25 / Bandwidth: 3MHz / NTV						
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
	1882.5	1	0	Refer To Test Graph		Pass
	1913.5	1	0	Refer To Test Graph		Pass
			14	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass

5.1.3 B25_5MHz

Band: 25 / Bandwidth: 5MHz / NTV						
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
	1882.5	1	0	Refer To Test Graph		Pass
	1912.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass

5.1.4 B25_10MHz

Band: 25 / Bandwidth: 10MHz / NTV						
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
	1882.5	1	0	Refer To Test Graph		Pass
	1910	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass

5.1.5 B25_15MHz

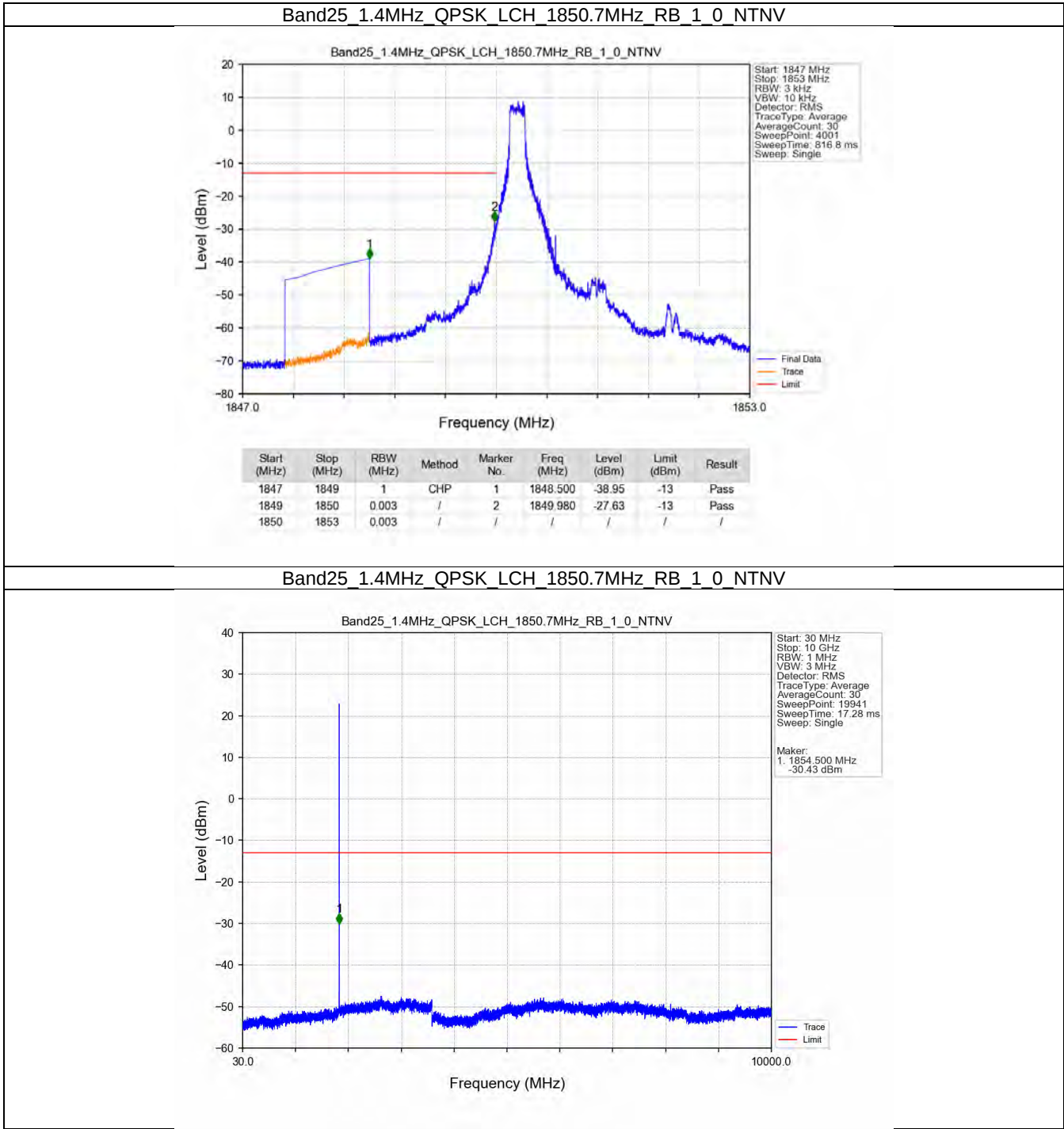
Band: 25 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	1857.5	1	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	1882.5	1	0	Refer To Test Graph		Pass
	1907.5	1	0	Refer To Test Graph		Pass
			74	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass

5.1.6 B25_20MHz

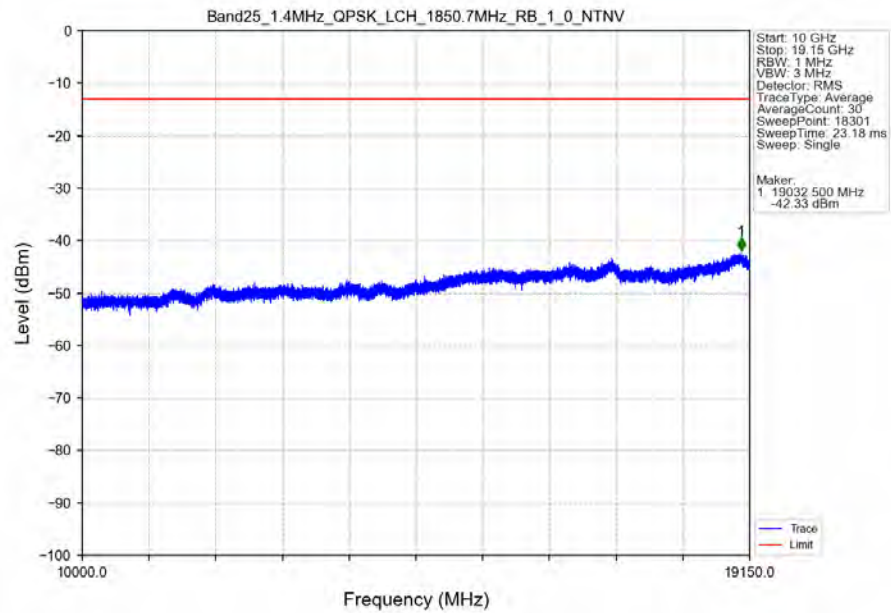
Band: 25 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	1860	1	0	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	1882.5	1	0	Refer To Test Graph		Pass
	1905	1	0	Refer To Test Graph		Pass
			99	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass

5.2 Test Graph

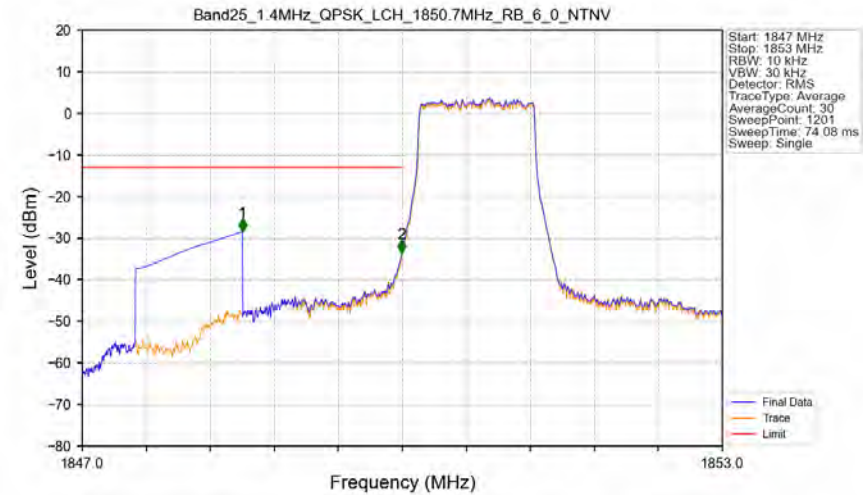
5.2.1 B25_1.4MHz



Band25 1.4MHz QPSK LCH 1850.7MHz RB 1 0 NTV

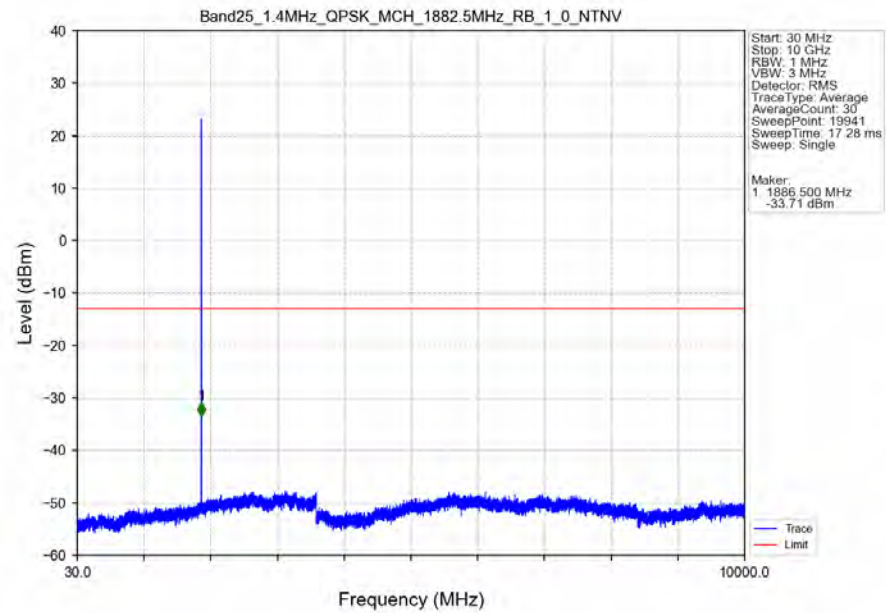


Band25 1.4MHz QPSK LCH 1850.7MHz RB 6 0 NTV

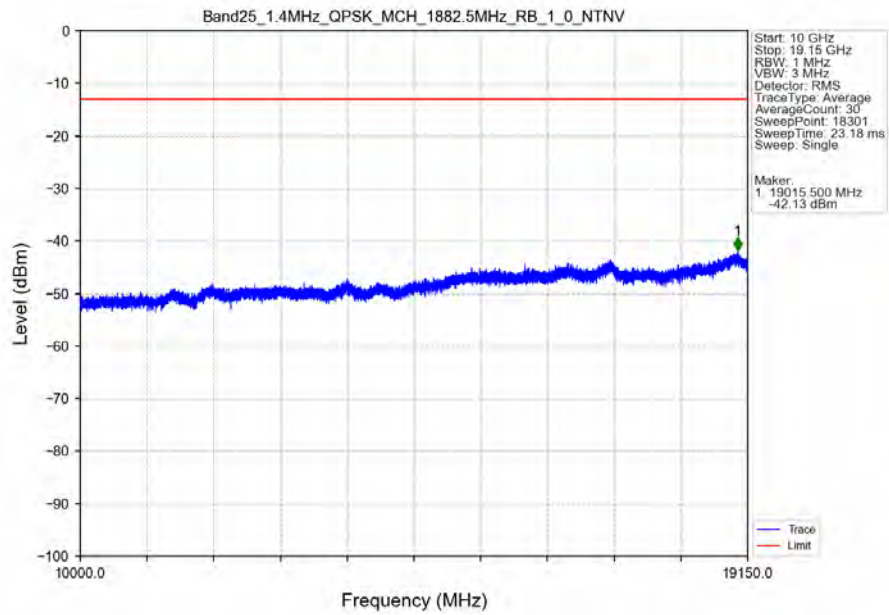


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1847	1849	1	CHP	1	1848.500	-28.45	-13	Pass
1849	1850	0.013	CHP	2	1849.995	-33.51	-13	Pass
1850	1853	0.013	CHP	/	/	/	/	/

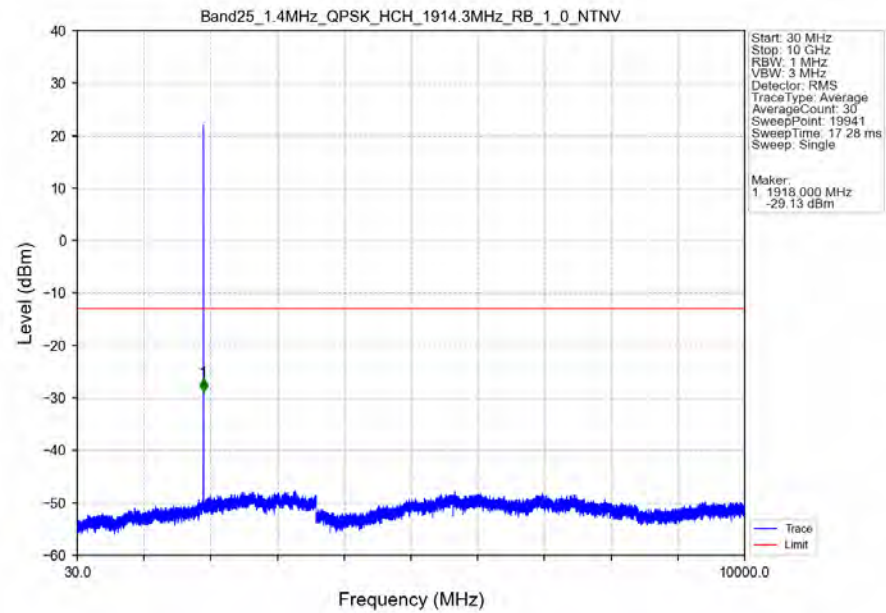
Band25 1.4MHz QPSK MCH 1882.5MHz RB 1 0 NTV



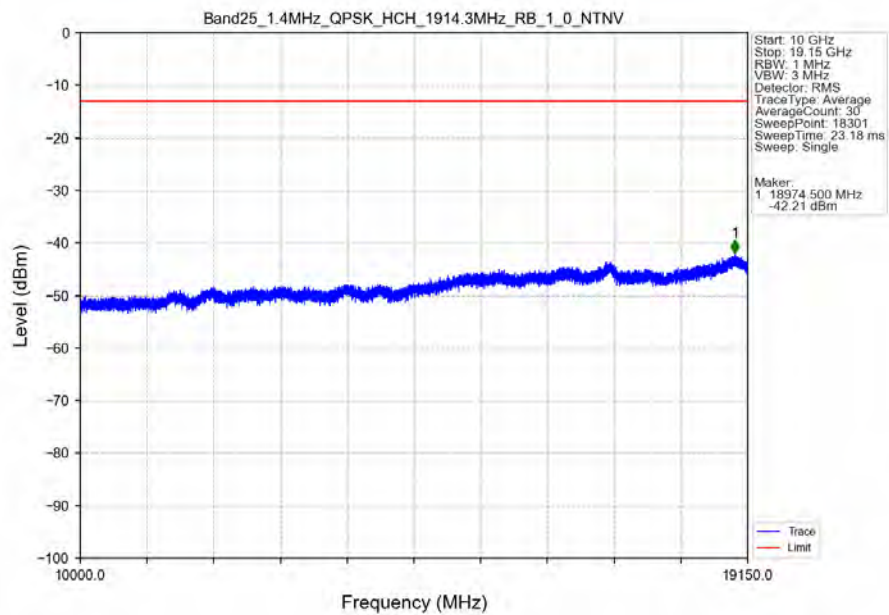
Band25 1.4MHz QPSK MCH 1882.5MHz RB 1 0 NTV



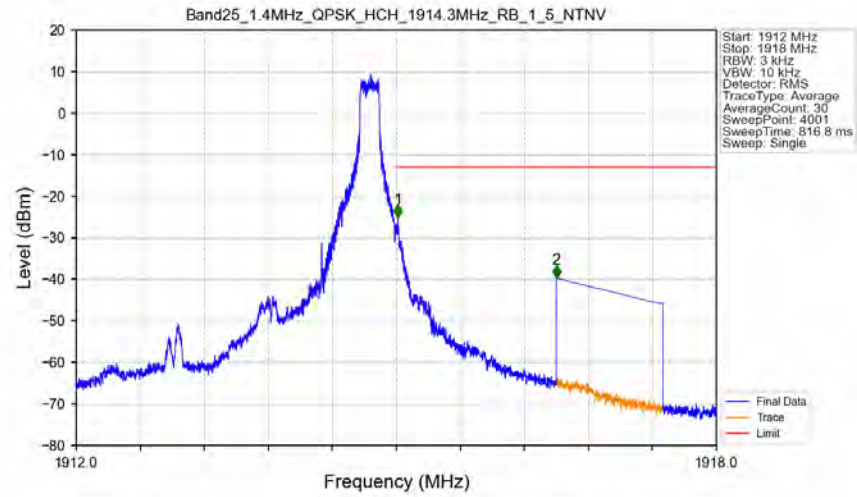
Band25 1.4MHz QPSK HCH 1914.3MHz RB 1 0 NTV



Band25 1.4MHz QPSK HCH 1914.3MHz RB 1 0 NTV

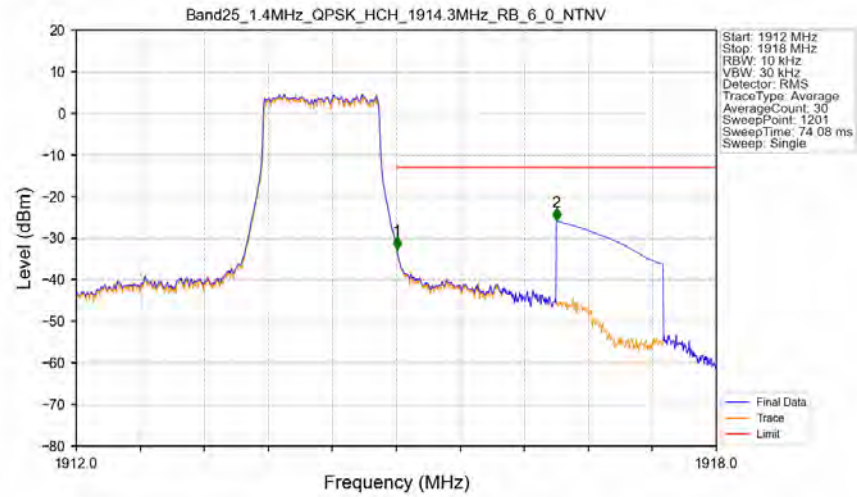


Band25 1.4MHz QPSK HCH 1914.3MHz RB 1 5 NTNV



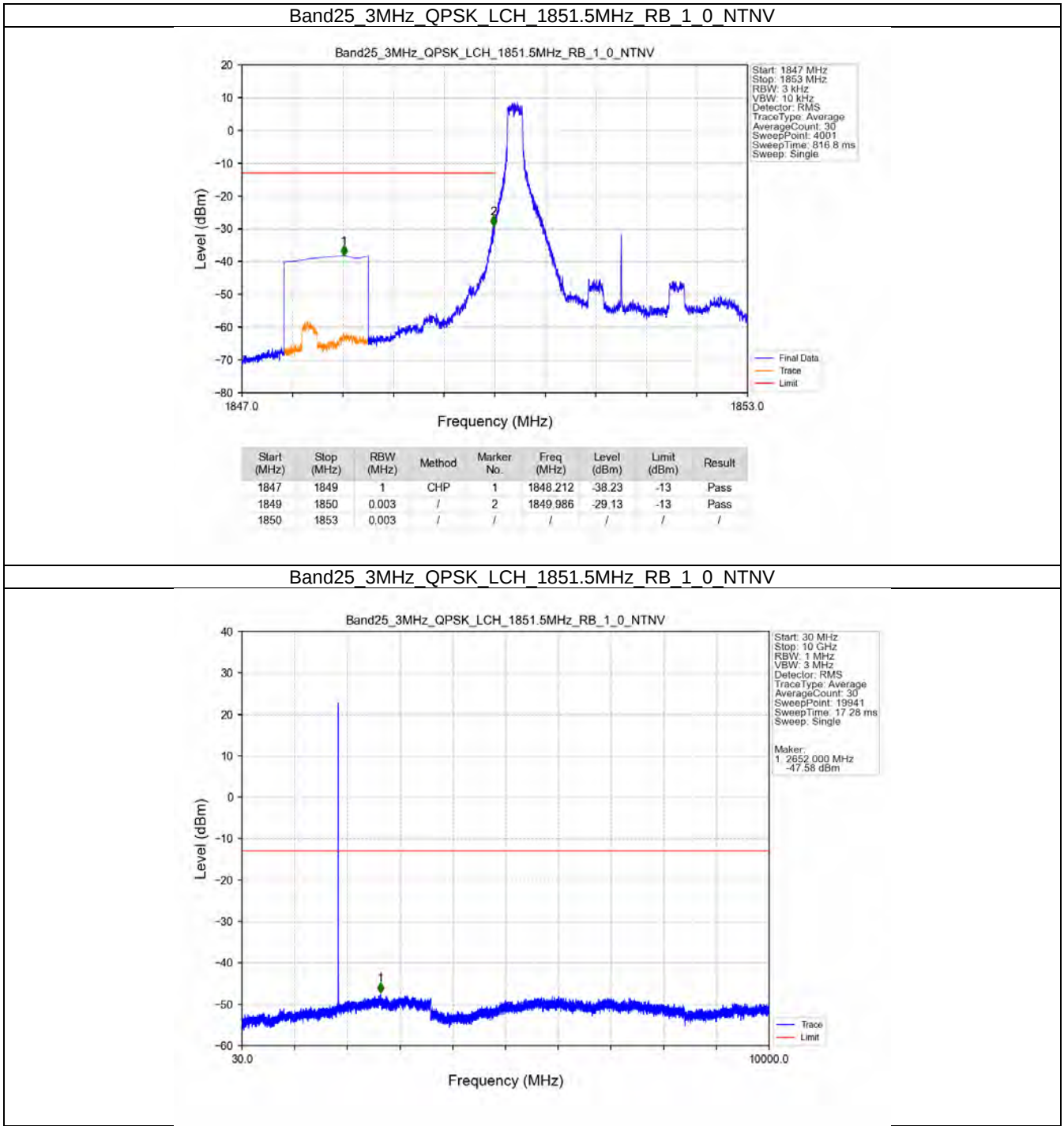
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1912	1915	0.003	/	/	/	/	/	/
1915	1916	0.003	/	1	1915.016	-25.04	-13	Pass
1916	1918	1	CHP	2	1916.500	-39.72	-13	Pass

Band25 1.4MHz QPSK HCH 1914.3MHz RB 6 0 NTNV

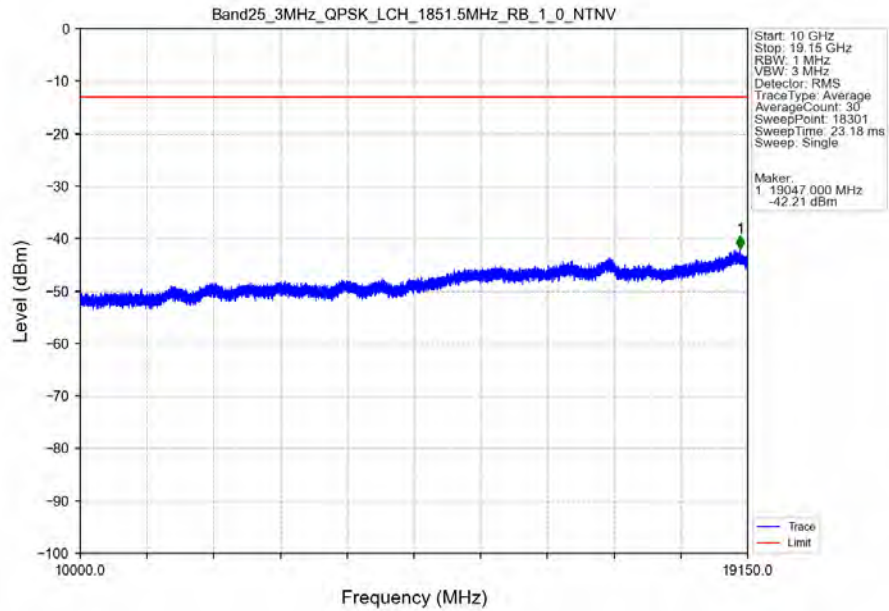


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1912	1915	0.013	CHP	/	/	/	/	/
1915	1916	0.013	CHP	1	1915.005	-32.78	-13	Pass
1916	1918	1	CHP	2	1916.500	-25.86	-13	Pass

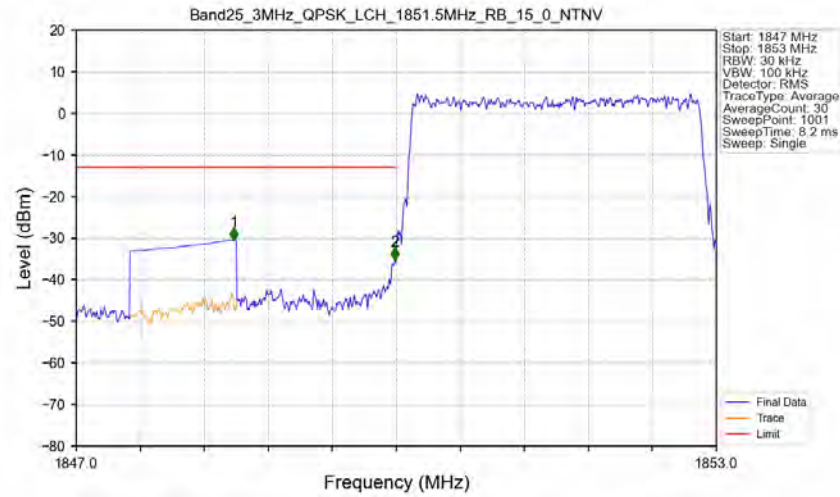
5.2.2 B25_3MHz



Band25 3MHz QPSK LCH 1851.5MHz RB 1 0 NTV

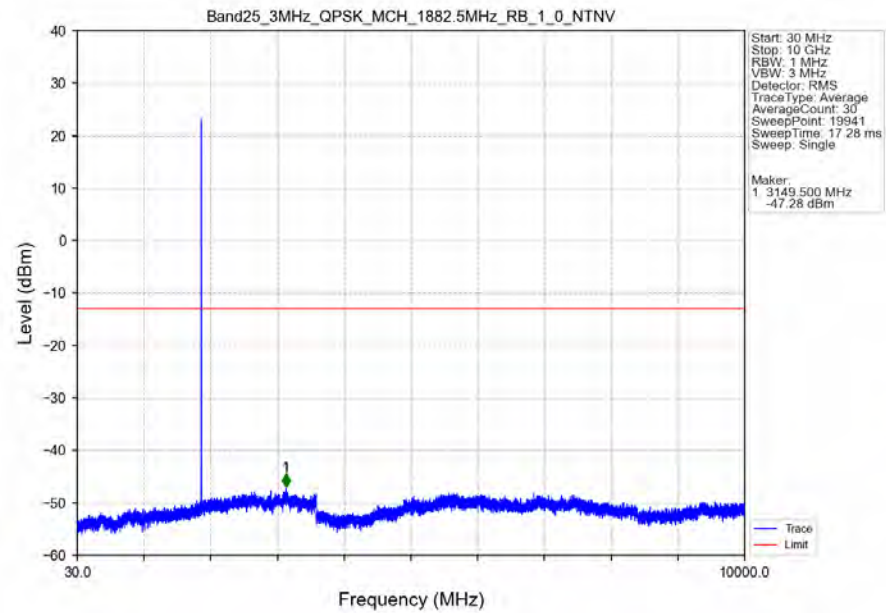


Band25 3MHz QPSK LCH 1851.5MHz RB 15 0 NTV

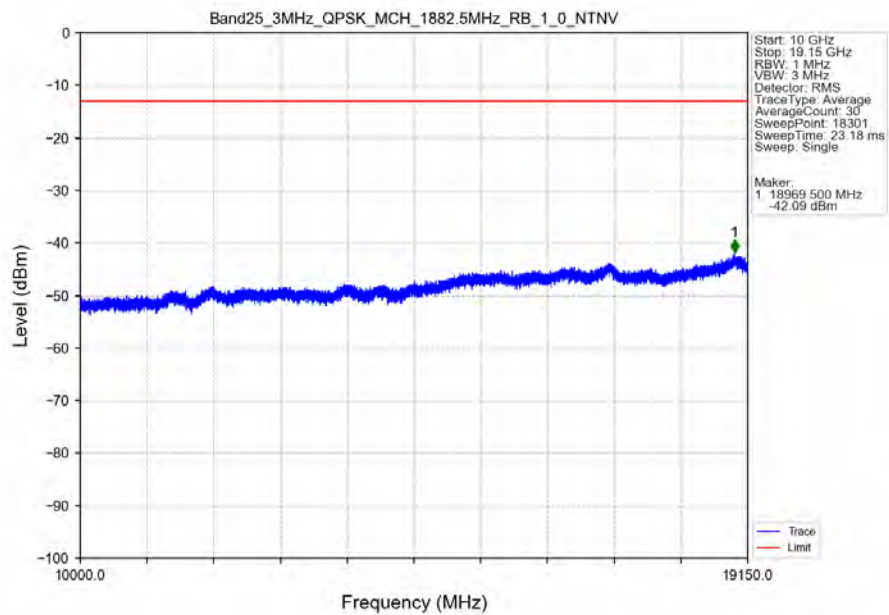


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1847	1849	1	CHP	1	1848.476	-30.50	-13	Pass
1849	1850	0.03	/	2	1849.988	-35.25	-13	Pass
1850	1853	0.03	/	/	/	/	/	/

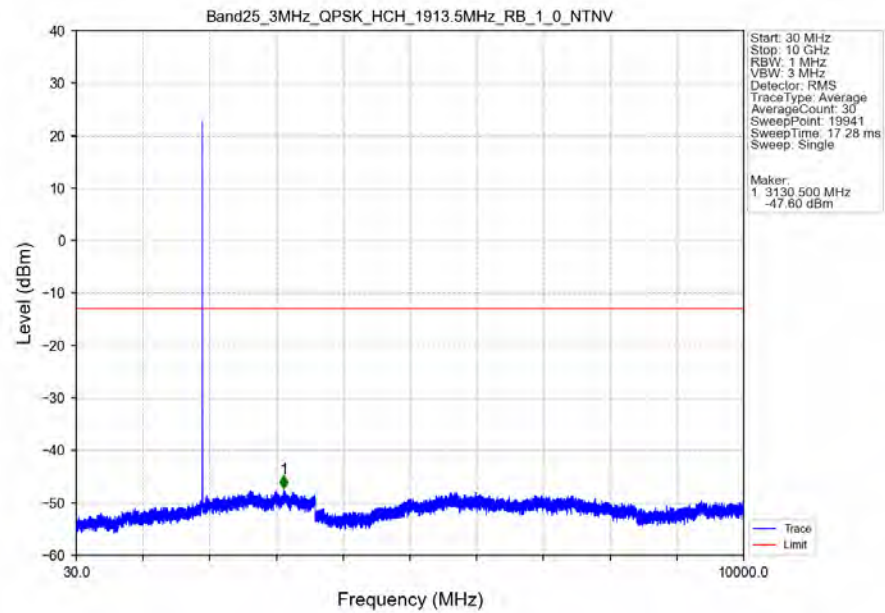
Band25 3MHz QPSK MCH 1882.5MHz RB 1 0 NTV



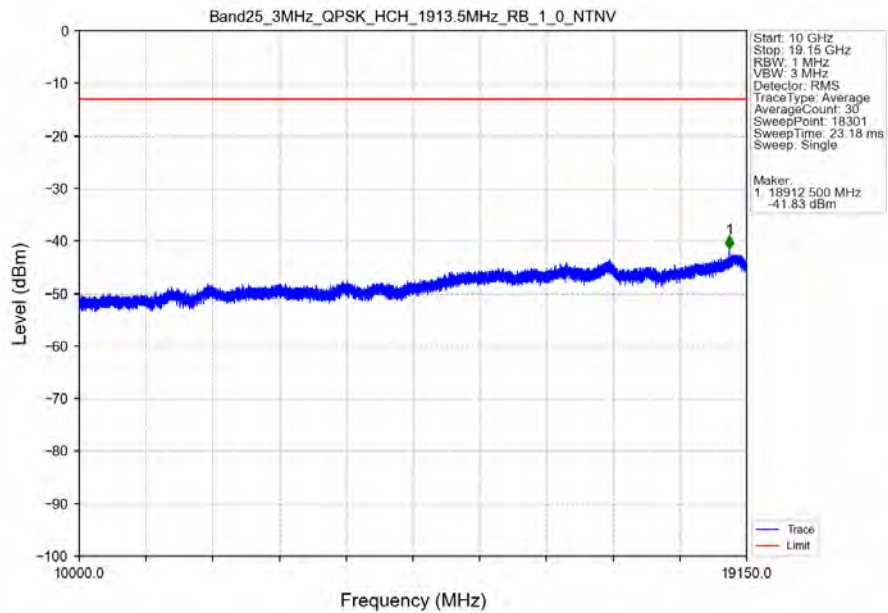
Band25 3MHz QPSK MCH 1882.5MHz RB 1 0 NTV



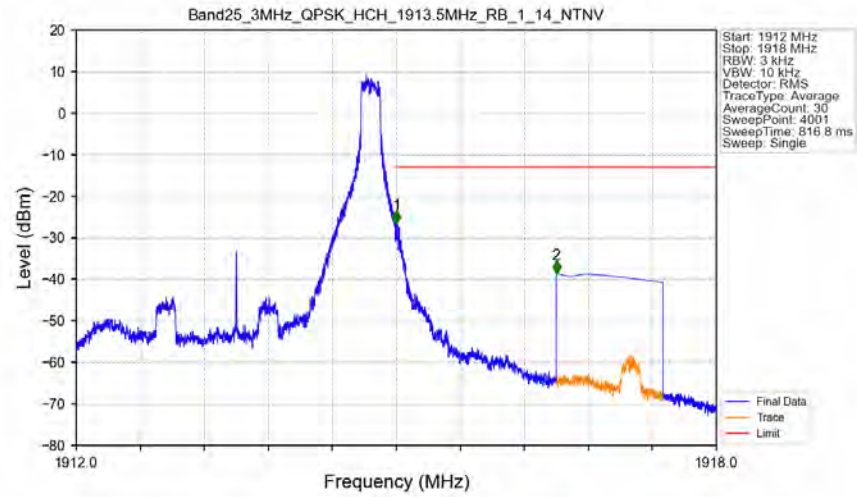
Band25 3MHz QPSK HCH 1913.5MHz RB 1 0 NTV



Band25 3MHz QPSK HCH 1913.5MHz RB 1 0 NTV

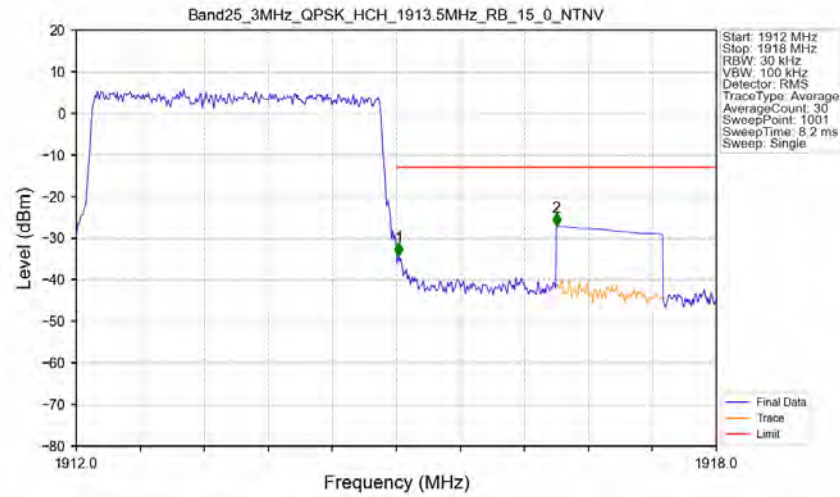


Band25 3MHz QPSK HCH 1913.5MHz RB 1 14 NTV



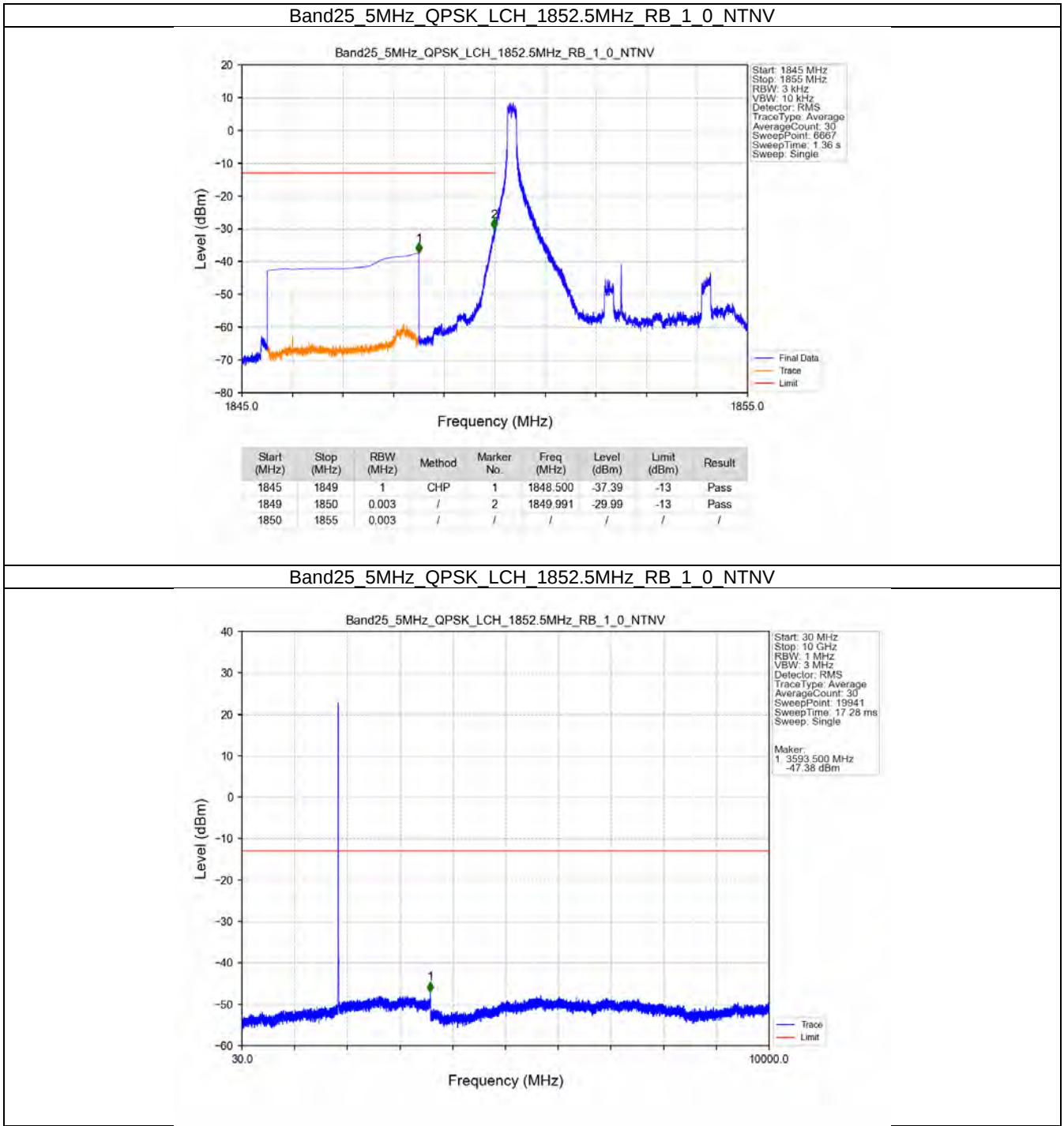
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1912	1915	0.003	/	/	/	/	/	/
1915	1916	0.003	/	1	1915.002	-26.55	-13	Pass
1916	1918	1	CHP	2	1916.500	-38.55	-13	Pass

Band25 3MHz QPSK HCH 1913.5MHz RB 15 0 NTV

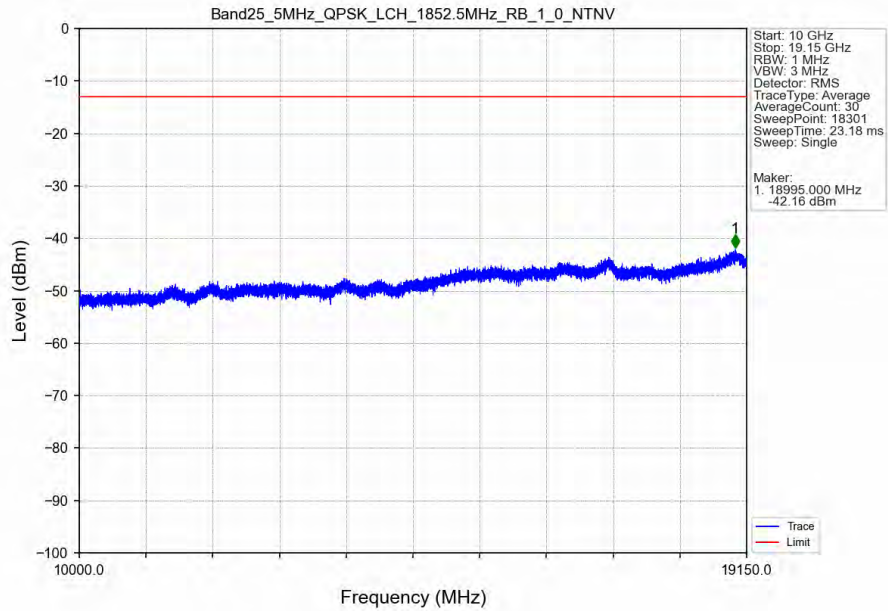


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1912	1915	0.03	/	/	/	/	/	/
1915	1916	0.03	/	1	1915.024	-34.26	-13	Pass
1916	1918	1	CHP	2	1916.500	-27.17	-13	Pass

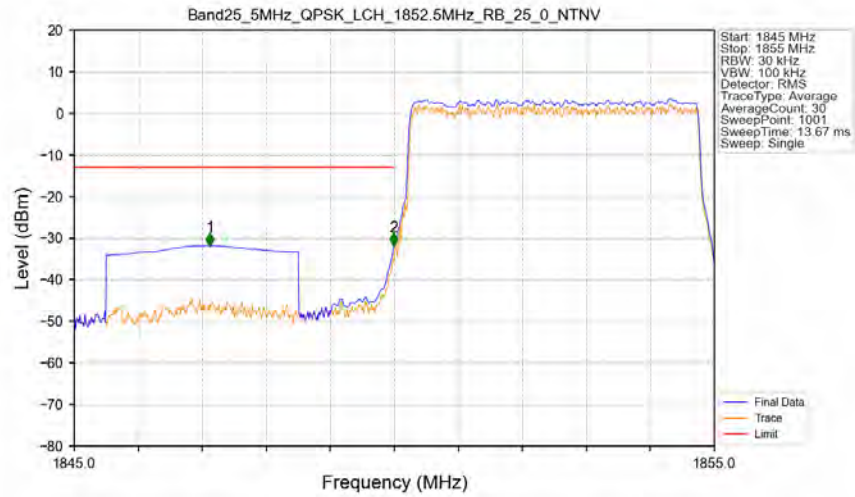
5.2.3 B25_5MHz



Band25 5MHz QPSK LCH 1852.5MHz RB 1 0 NTNV

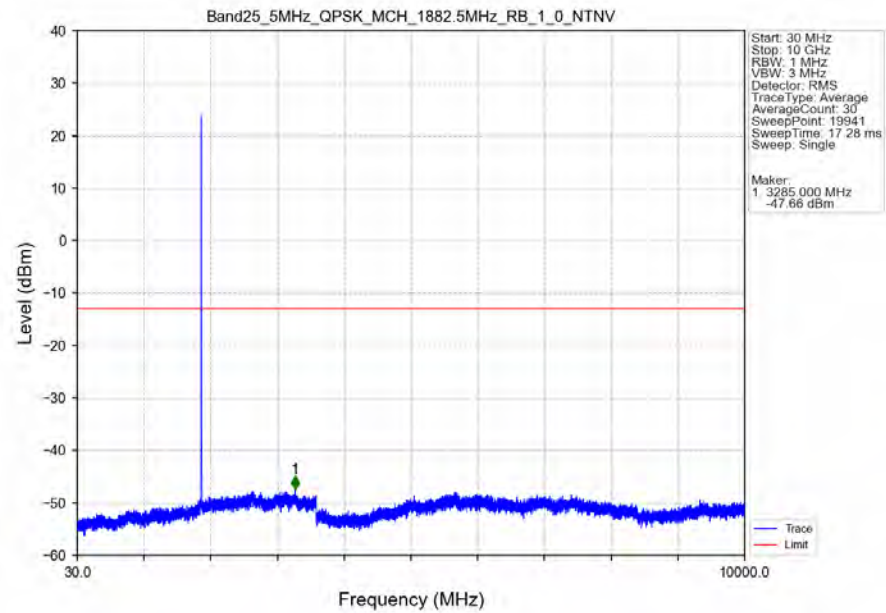


Band25 5MHz QPSK LCH 1852.5MHz RB 25 0 NTNV

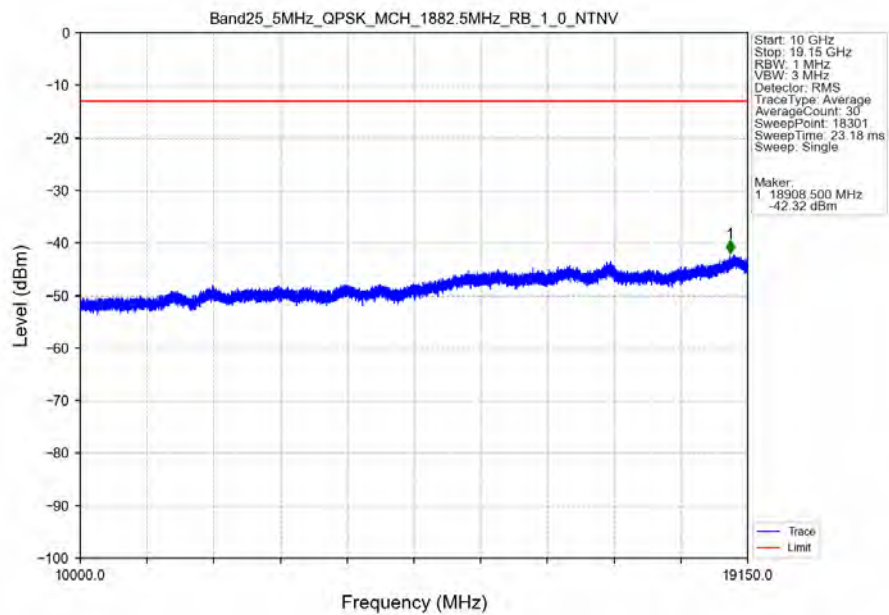


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1845	1849	1	CHP	1	1847.120	-31.84	-13	Pass
1849	1850	0.05	CHP	2	1849.990	-31.83	-13	Pass
1850	1855	0.05	CHP	/	/	/	/	/

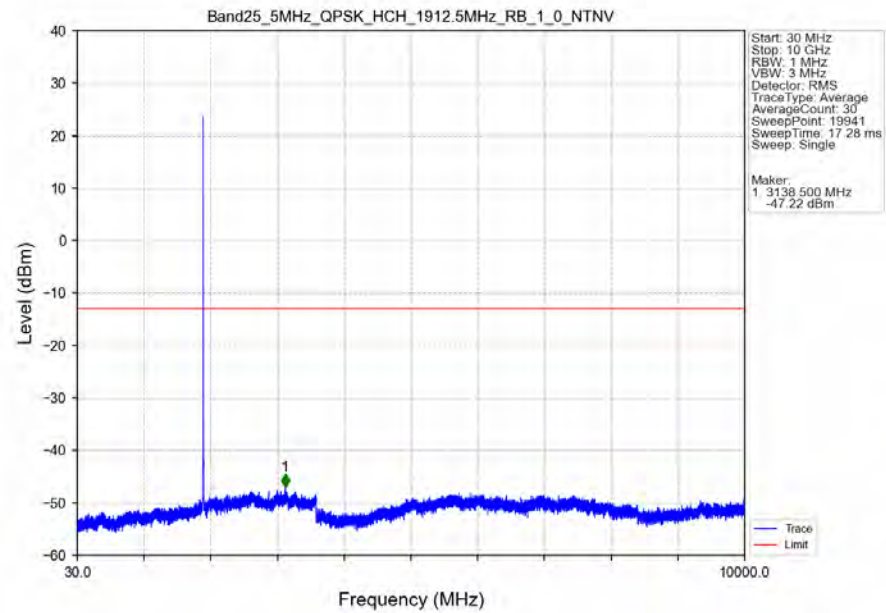
Band25 5MHz QPSK MCH 1882.5MHz RB 1 0 NTV



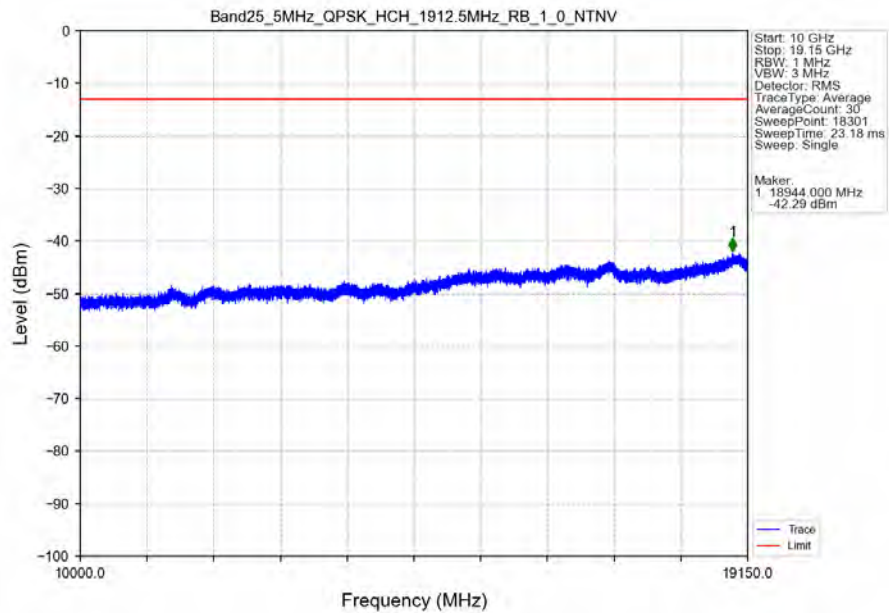
Band25 5MHz QPSK MCH 1882.5MHz RB 1 0 NTV



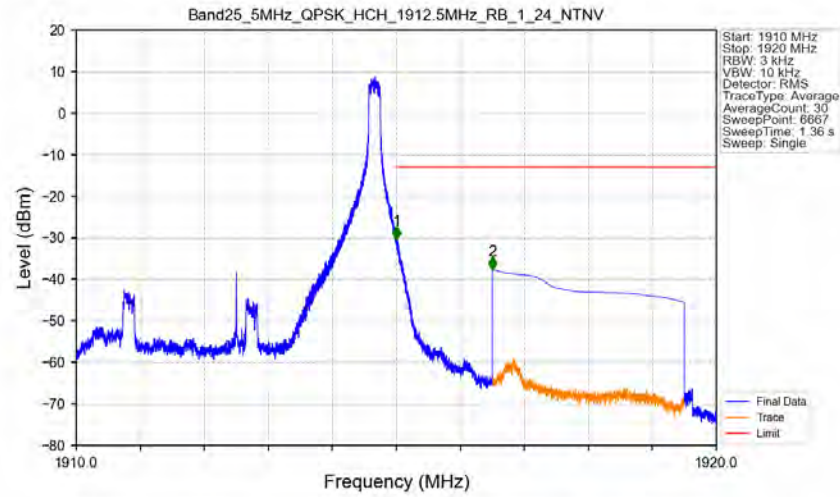
Band25 5MHz QPSK HCH 1912.5MHz RB 1 0 NTV



Band25 5MHz QPSK HCH 1912.5MHz RB 1 0 NTV

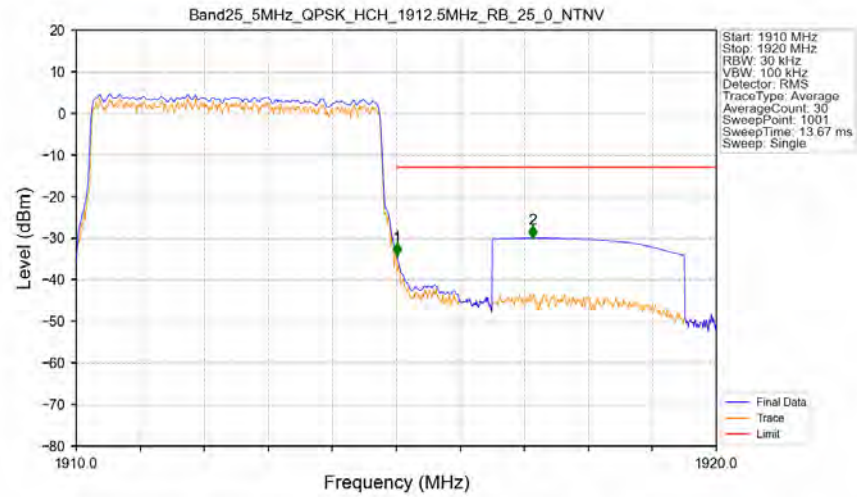


Band25 5MHz QPSK HCH 1912.5MHz RB 1 24 NTV



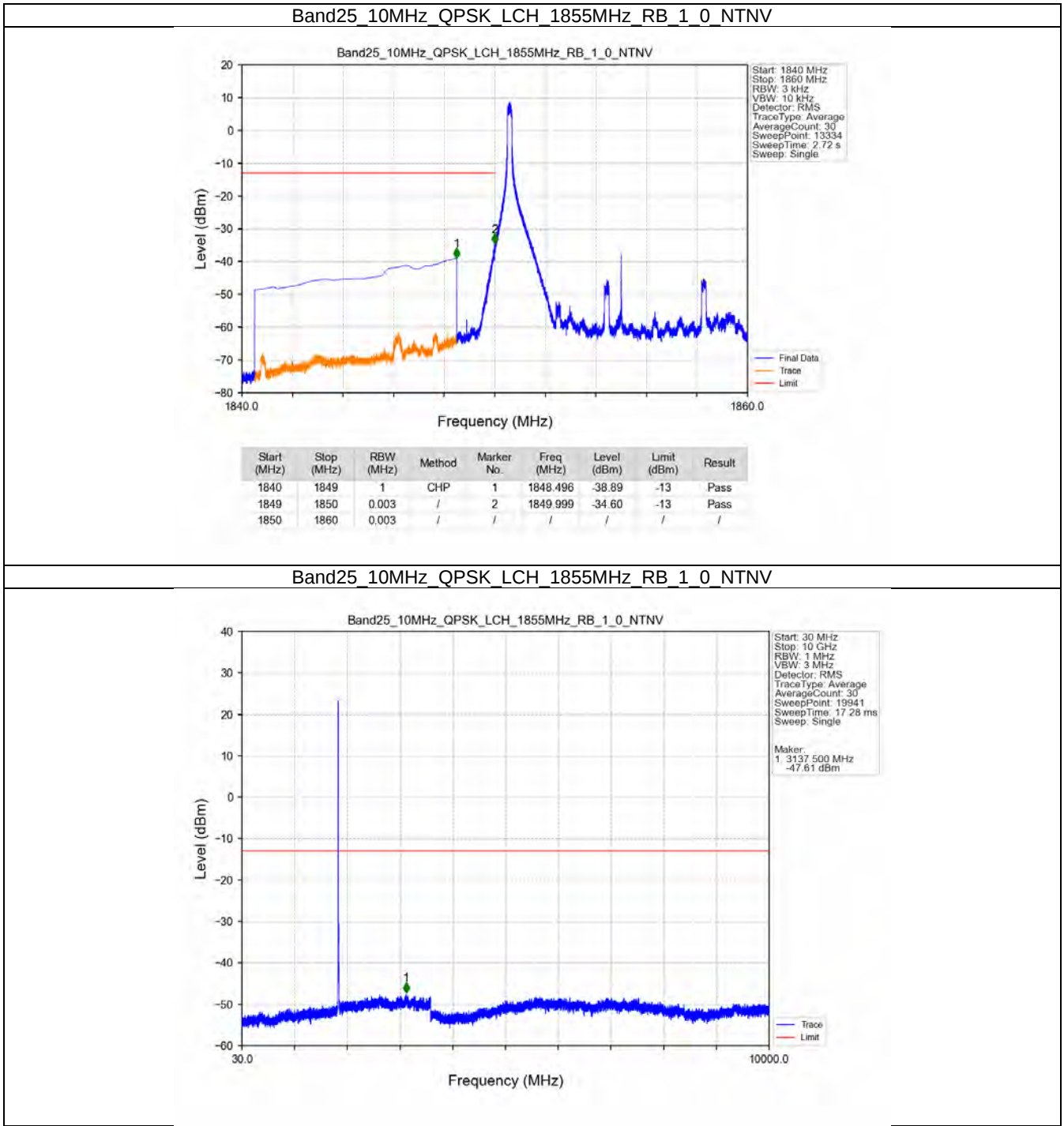
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1910	1915	0.003	/	/	/	/	/	/
1915	1916	0.003	/	1	1915.002	-30.45	-13	Pass
1916	1920	1	CHP	2	1916.500	-37.72	-13	Pass

Band25 5MHz QPSK HCH 1912.5MHz RB 25 0 NTV

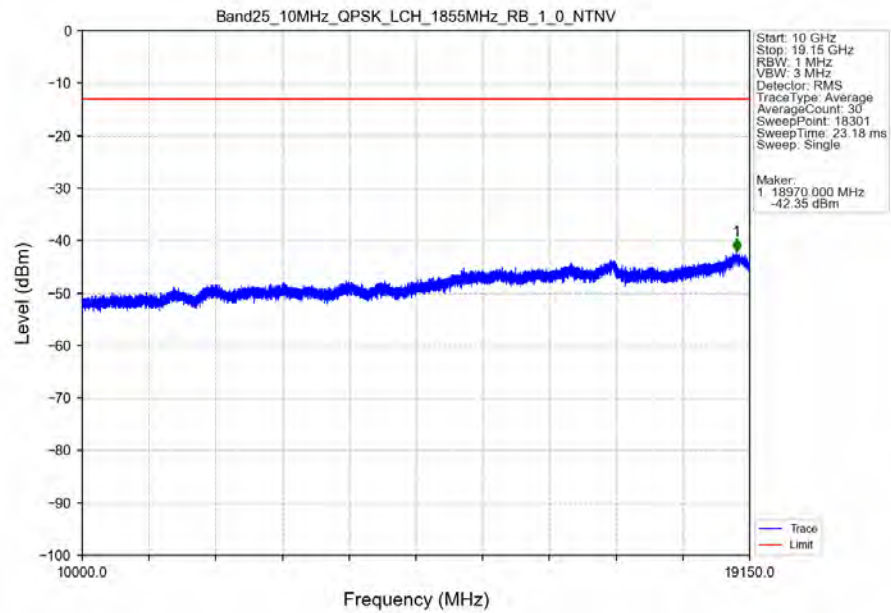


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1910	1915	0.05	CHP	/	/	/	/	/
1915	1916	0.05	CHP	1	1915.010	-34.28	-13	Pass
1916	1920	1	CHP	2	1917.130	-29.99	-13	Pass

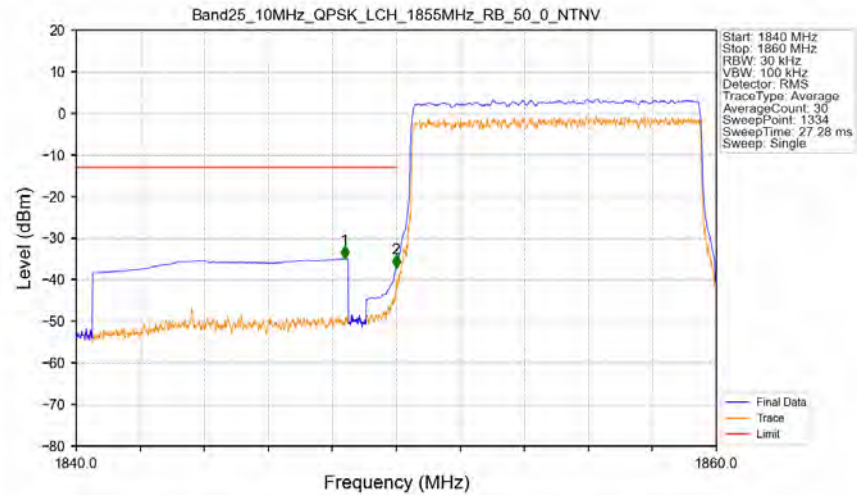
5.2.4 B25_10MHz



Band25 10MHz QPSK LCH 1855MHz RB 1 0 NTV

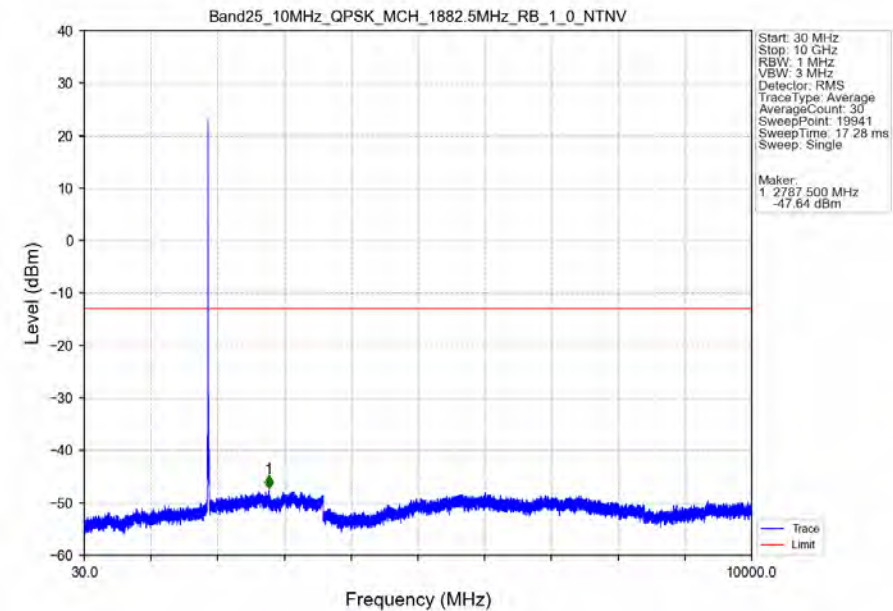


Band25 10MHz QPSK LCH 1855MHz RB 50 0 NTV

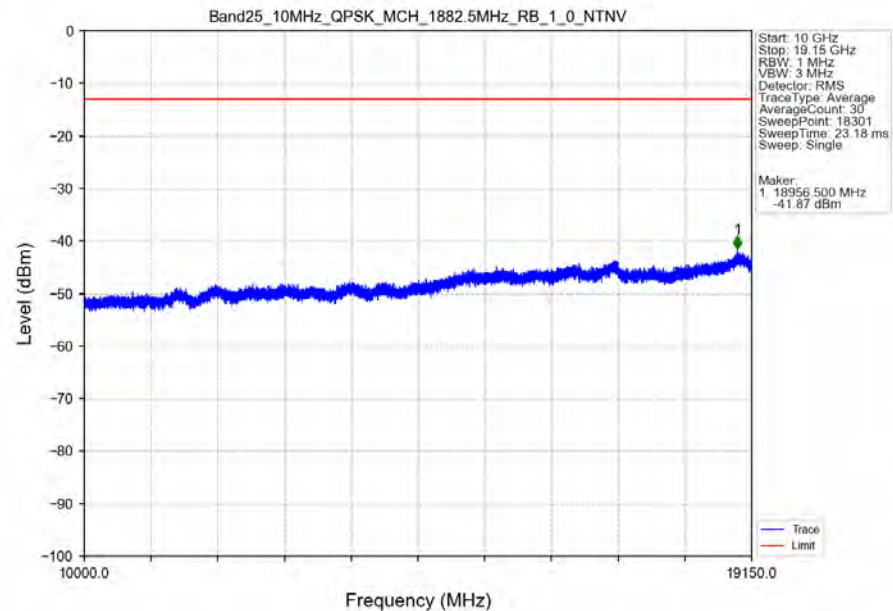


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1840	1849	1	CHP	1	1848.387	-34.94	-13	Pass
1849	1850	0.099	CHP	2	1849.992	-37.14	-13	Pass
1850	1860	0.099	CHP	/	/	/	/	/

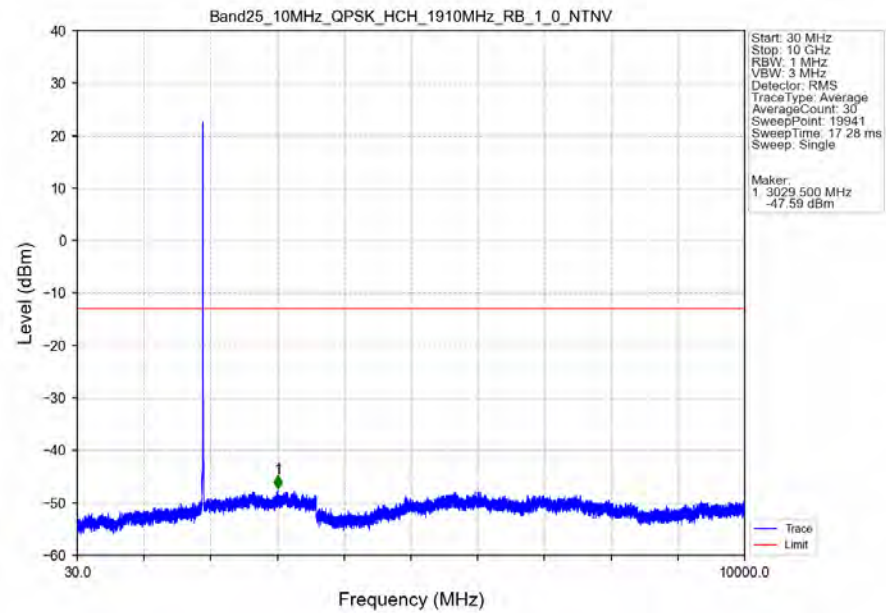
Band25 10MHz QPSK MCH 1882.5MHz RB 1 0 NTV



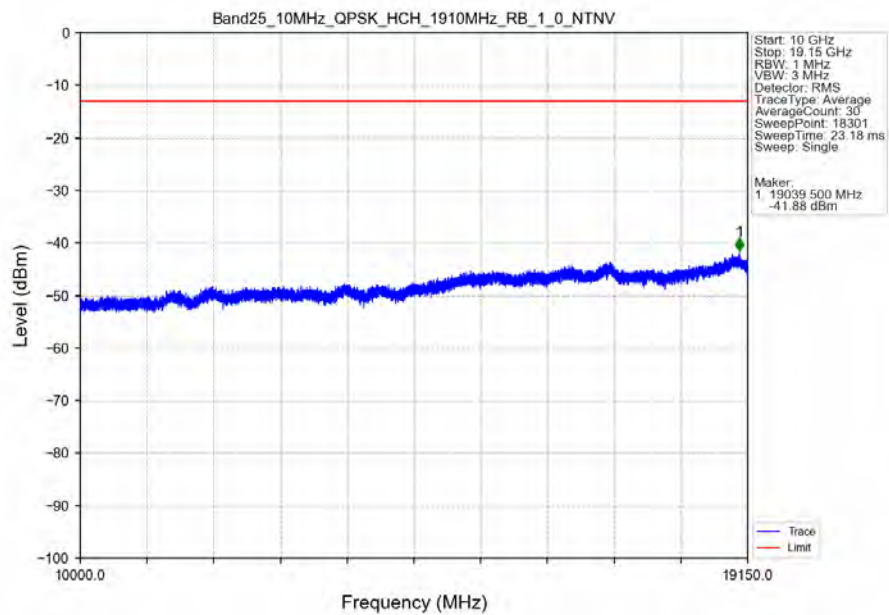
Band25 10MHz QPSK MCH 1882.5MHz RB 1 0 NTV



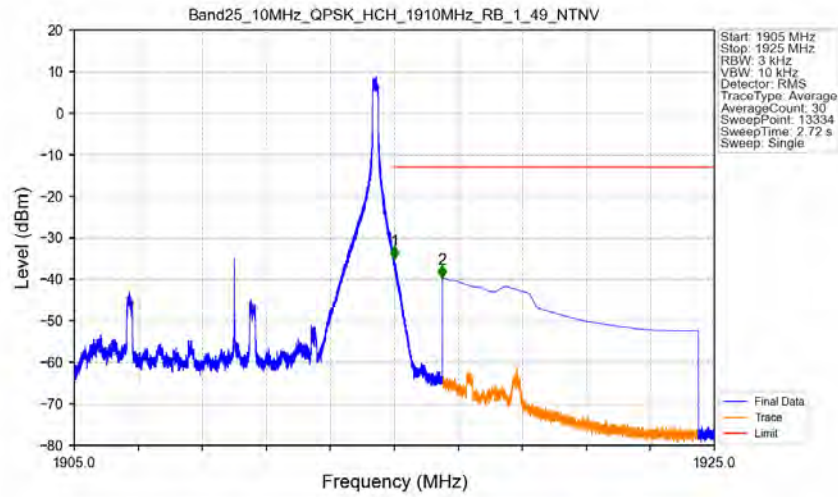
Band25 10MHz QPSK HCH 1910MHz RB 1 0 NTNV



Band25 10MHz QPSK HCH 1910MHz RB 1 0 NTNV

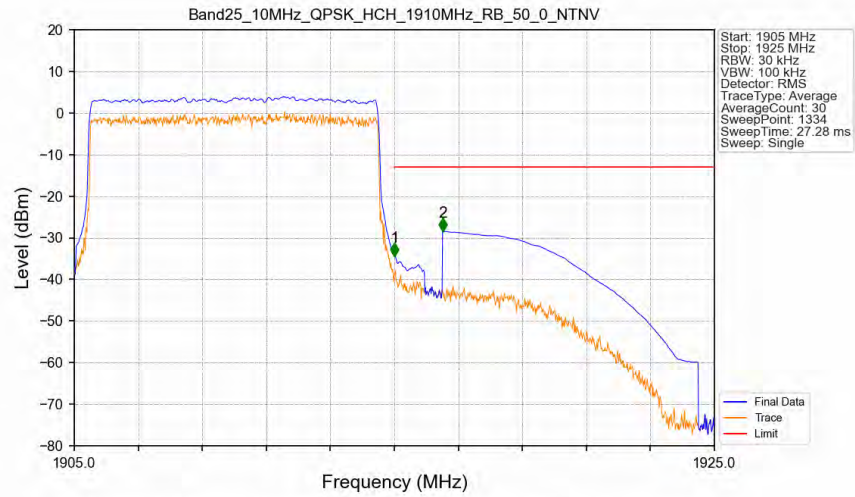


Band25 10MHz QPSK HCH 1910MHz RB 1 49 NTV



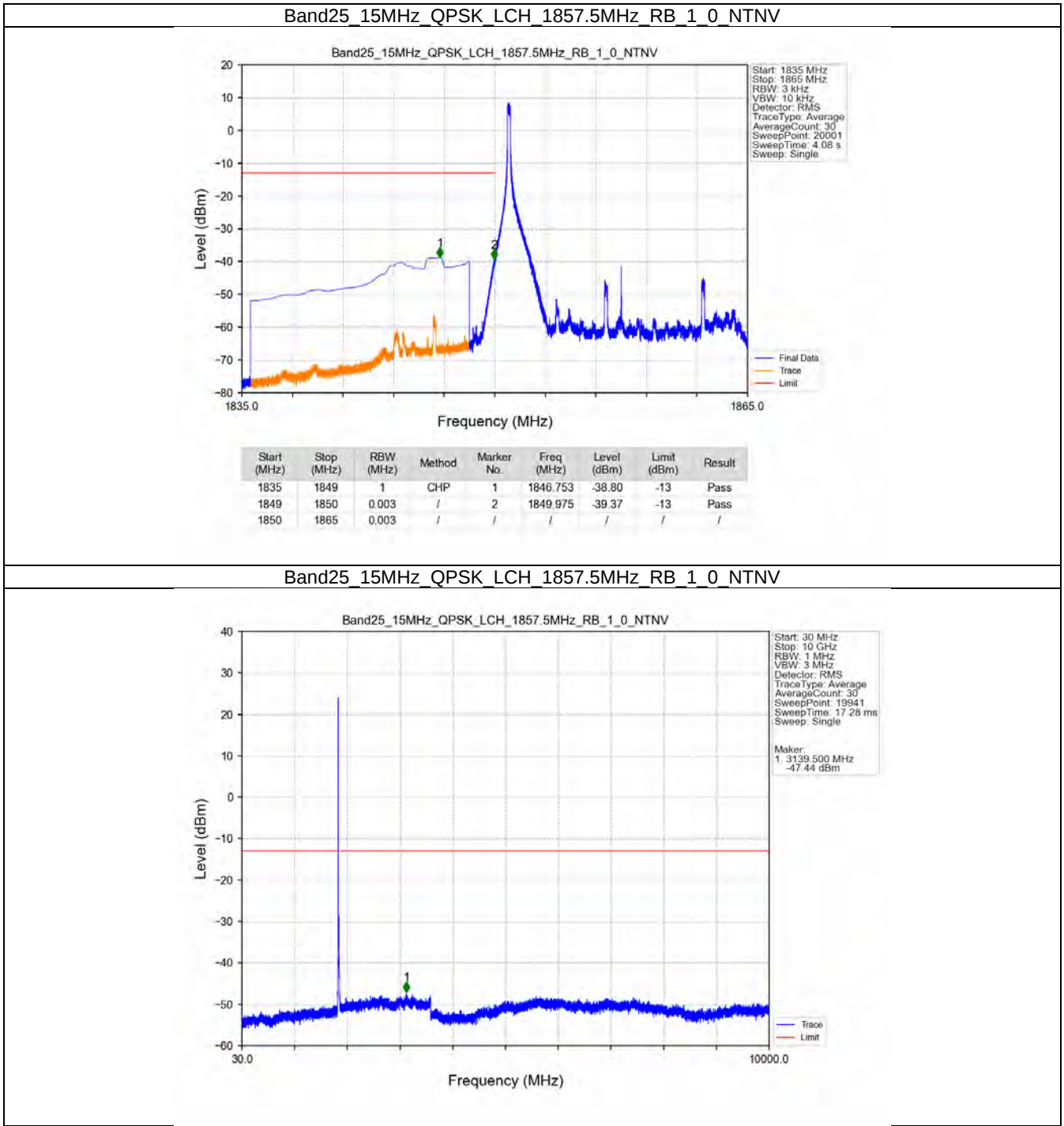
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1905	1915	0.003	/	/	/	/	/	/
1915	1916	0.003	/	1	1915.004	-35.08	-13	Pass
1916	1925	1	CHP	2	1916.501	-39.61	-13	Pass

Band25 10MHz QPSK HCH 1910MHz RB 50 0 NTV

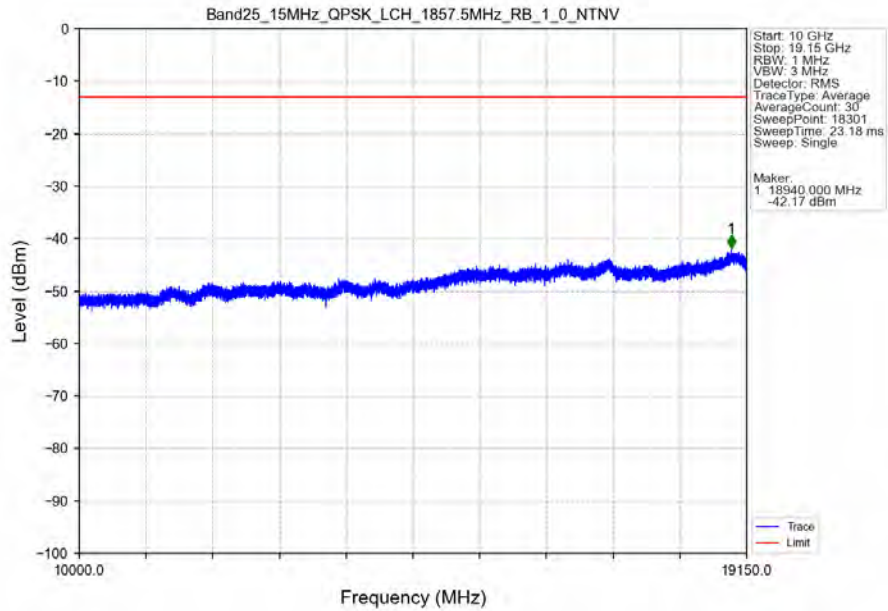


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1905	1915	0.099	CHP	/	/	/	/	/
1915	1916	0.099	CHP	1	1915.008	-34.40	-13	Pass
1916	1925	1	CHP	2	1916.508	-28.44	-13	Pass

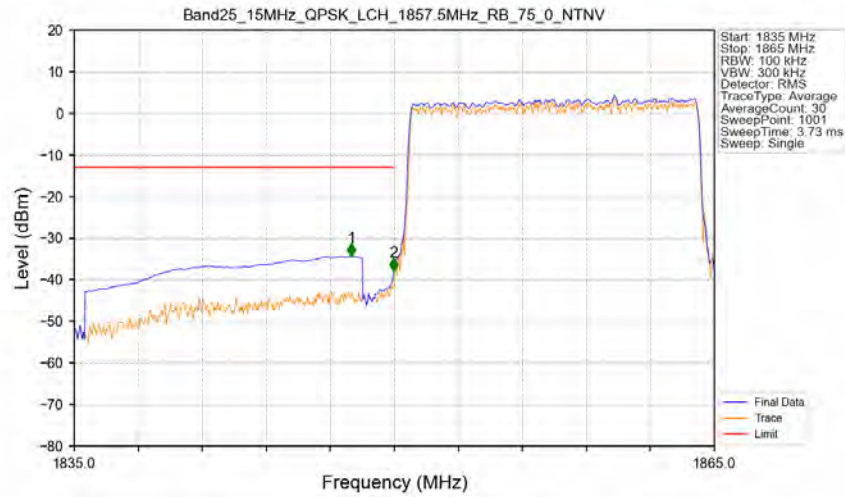
5.2.5 B25_15MHz



Band25 15MHz QPSK LCH 1857.5MHz RB 1 0 NTV

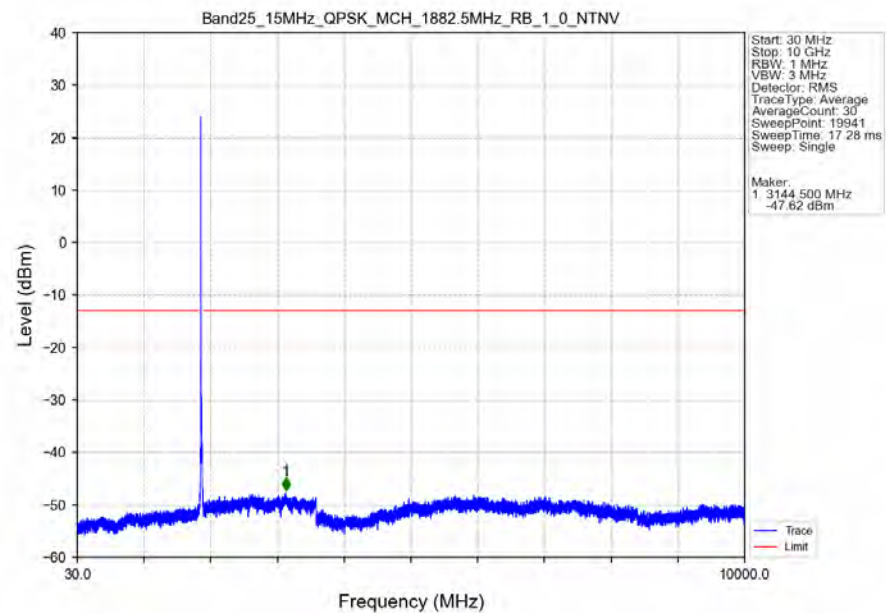


Band25 15MHz QPSK LCH 1857.5MHz RB 75 0 NTV

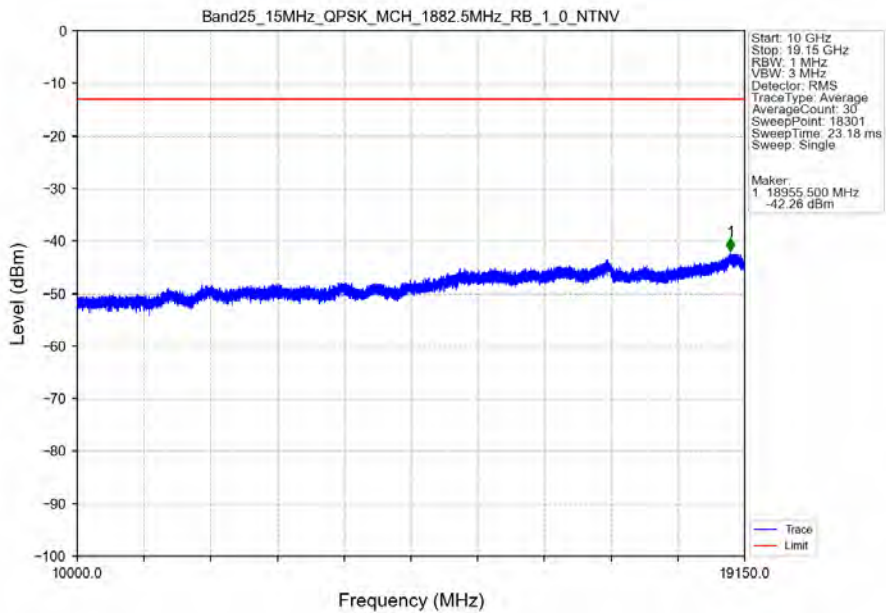


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1835	1849	1	CHP	1	1847.990	-34.44	-13	Pass
1849	1850	0.149	CHP	2	1849.970	-37.85	-13	Pass
1850	1865	0.149	CHP	/	/	/	/	/

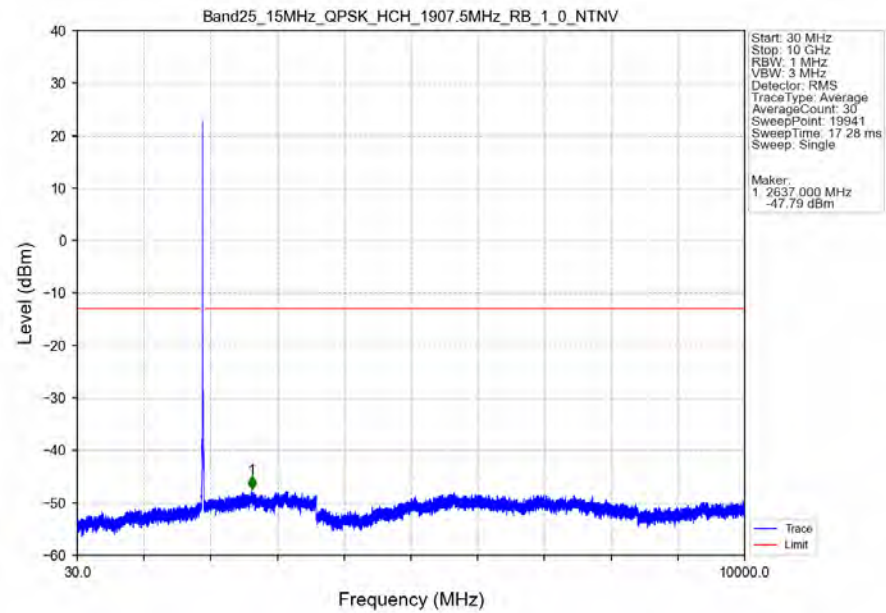
Band25 15MHz QPSK MCH 1882.5MHz RB 1 0 NTV



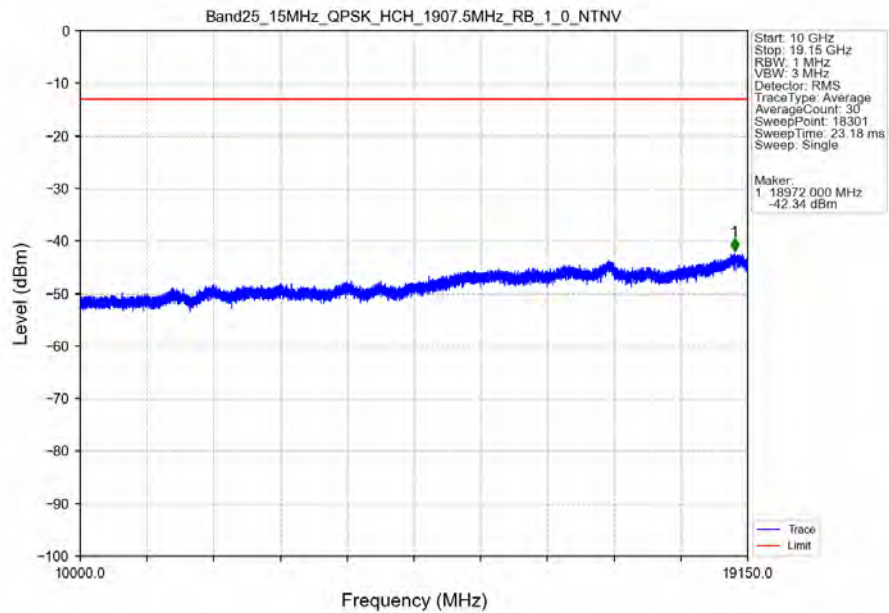
Band25 15MHz QPSK MCH 1882.5MHz RB 1 0 NTV



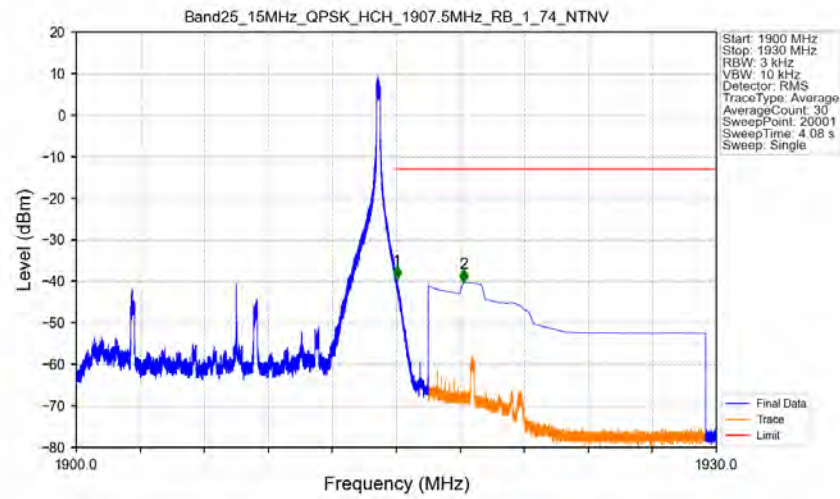
Band25 15MHz QPSK HCH 1907.5MHz RB 1 0 NTV



Band25 15MHz QPSK HCH 1907.5MHz RB 1 0 NTV

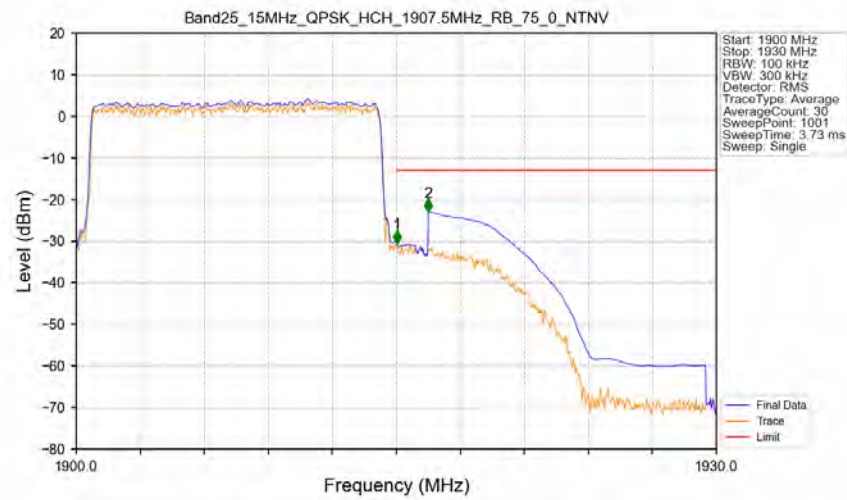


Band25 15MHz QPSK HCH 1907.5MHz RB 1 74 NTNV



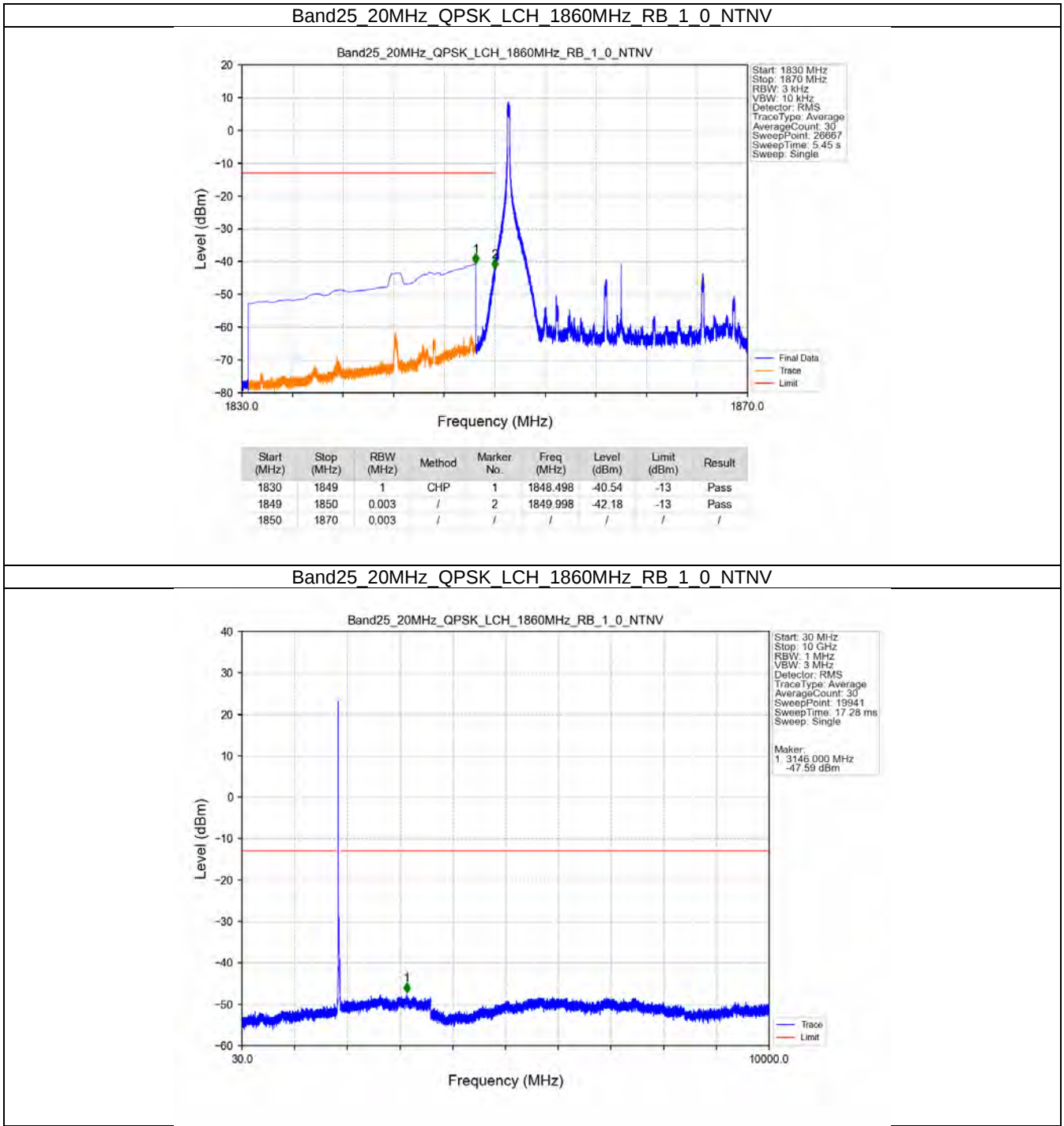
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1900	1915	0.003	/	/	/	/	/	/
1915	1916	0.003	/	1	1915.030	-39.43	-13	Pass
1916	1930	1	CHP	2	1918.162	-40.23	-13	Pass

Band25 15MHz QPSK HCH 1907.5MHz RB 75 0 NTNV

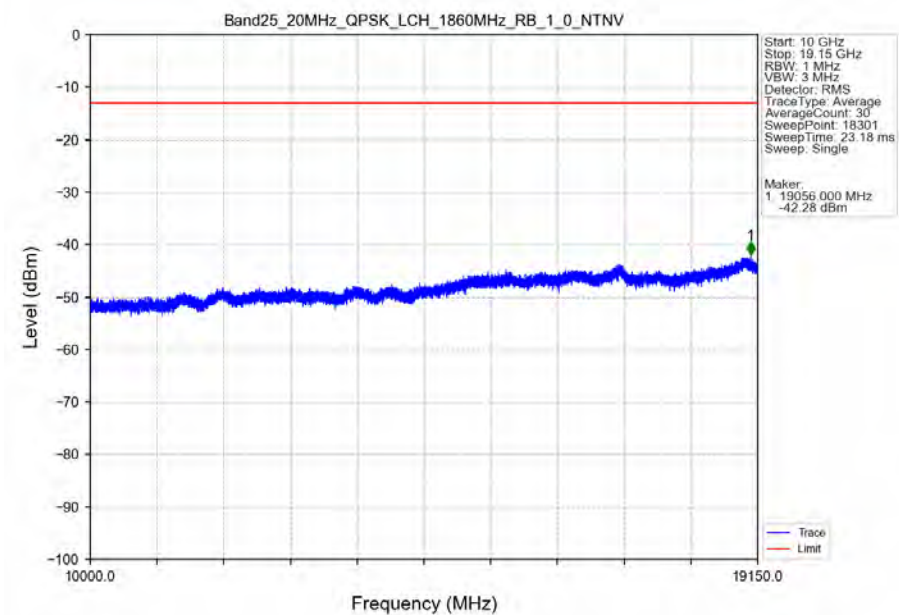


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1900	1915	0.149	CHP	/	/	/	/	/
1915	1916	0.149	CHP	1	1915.030	-30.49	-13	Pass
1916	1930	1	CHP	2	1916.500	-22.94	-13	Pass

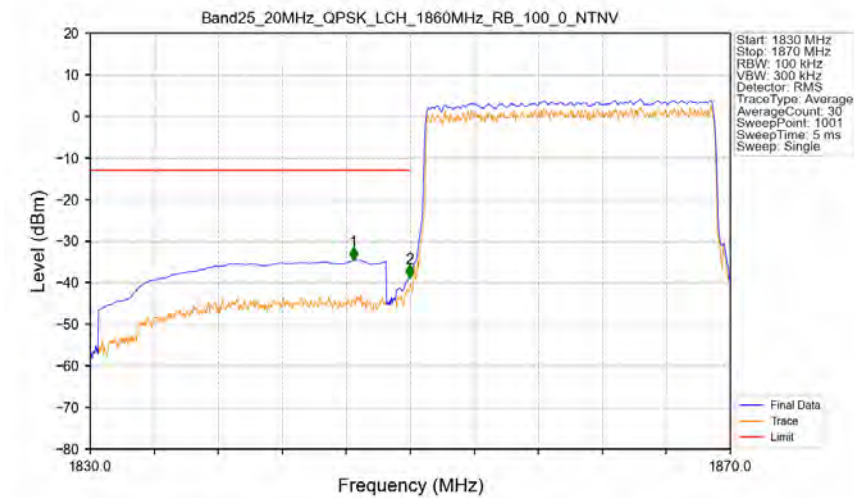
5.2.6 B25_20MHz



Band25 20MHz QPSK LCH 1860MHz RB 1 0 NTNV

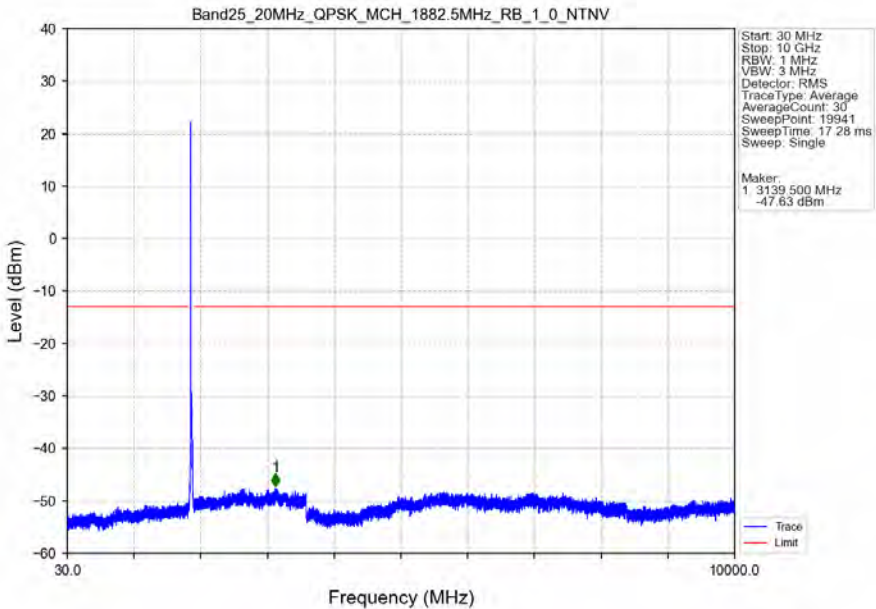


Band25 20MHz QPSK LCH 1860MHz RB 100 0 NTNV

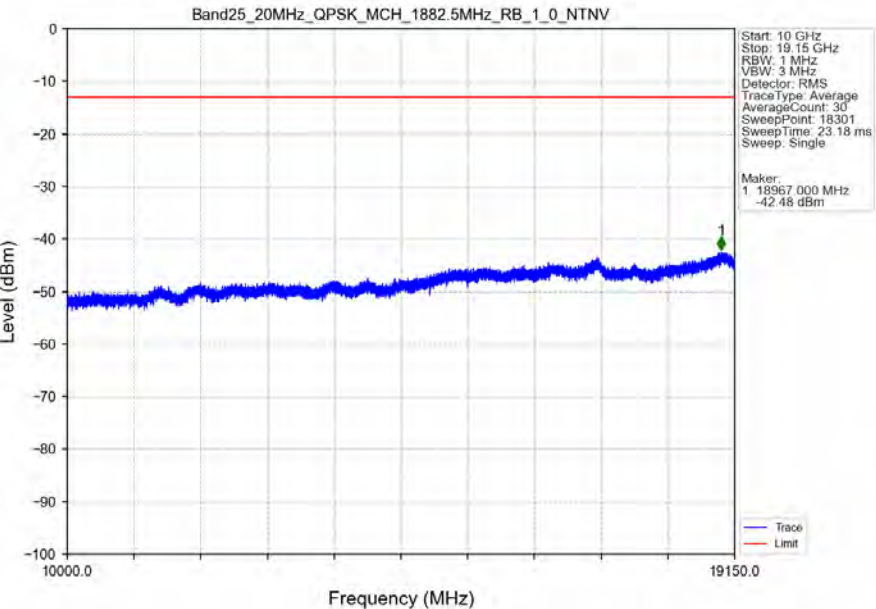


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1830	1849	1	CHP	1	1846.440	-34.67	-13	Pass
1849	1850	0.198	CHP	2	1849.960	-38.82	-13	Pass
1850	1870	0.198	CHP	/	/	/	/	/

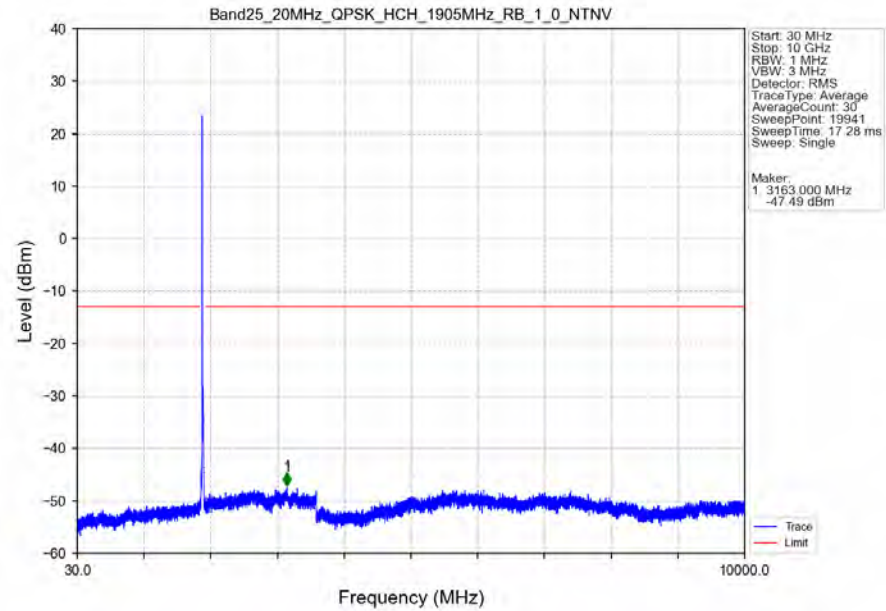
Band25 20MHz QPSK MCH 1882.5MHz RB 1 0 NTV



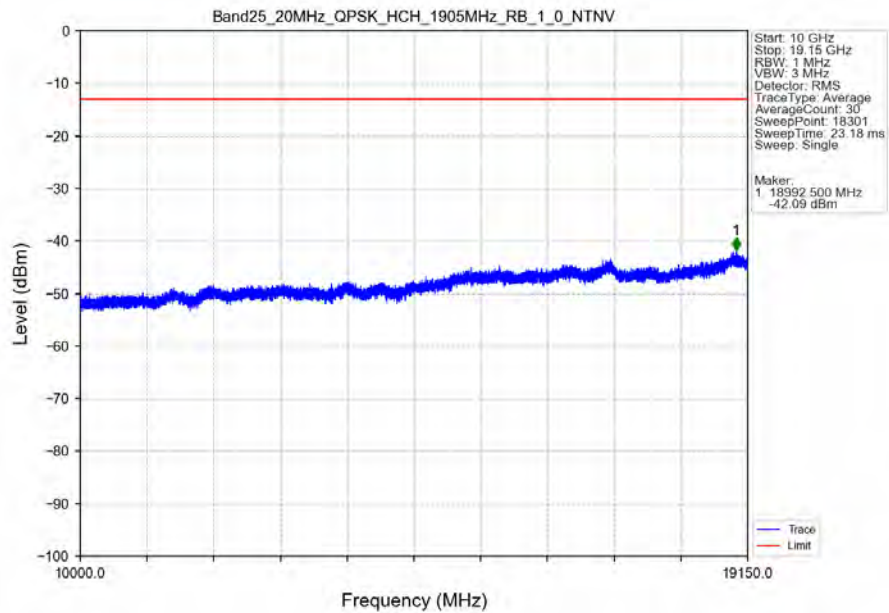
Band25 20MHz QPSK MCH 1882.5MHz RB 1 0 NTV



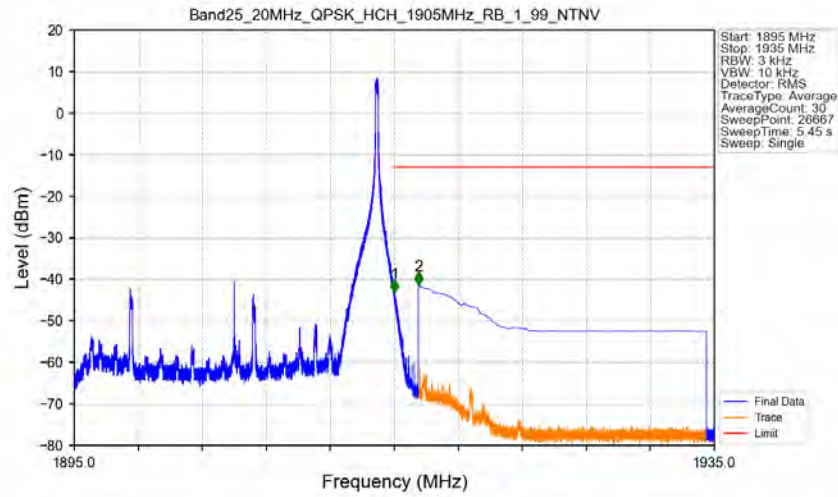
Band25 20MHz QPSK HCH 1905MHz RB 1 0 NTNV



Band25 20MHz QPSK HCH 1905MHz RB 1 0 NTNV

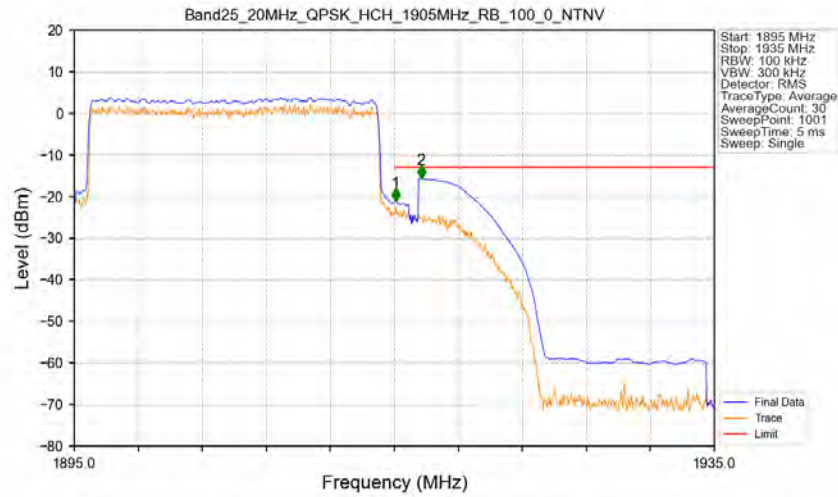


Band25 20MHz QPSK HCH 1905MHz RB 1 99 NTV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1895	1915	0.003	/	/	/	/	/	/
1915	1916	0.003	/	1	1915.021	-43.07	-13	Pass
1916	1935	1	CHP	2	1916.500	-41.37	-13	Pass

Band25 20MHz QPSK HCH 1905MHz RB 100 0 NTV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1895	1915	0.198	CHP	/	/	/	/	/
1915	1916	0.198	CHP	1	1915.080	-21.11	-13	Pass
1916	1935	1	CHP	2	1916.680	-15.68	-13	Pass

6. Field Strength of Spurious Radiation

LTE Band 25-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	-56.79	-13	-43.79	-61.65	3.58	8.44	Horizontal	Pass
5553.0	-58.33	-13	-45.33	-64.04	4.74	10.45	Horizontal	Pass
7404.0	-60.88	-13	-47.88	-67.56	4.94	11.62	Horizontal	Pass
3702.0	-60.12	-13	-47.12	-64.98	3.58	8.44	Vertical	Pass
5553.0	-55.03	-13	-42.03	-60.74	4.74	10.45	Vertical	Pass
7404.0	-60.41	-13	-47.41	-67.09	4.94	11.62	Vertical	Pass

LTE Band 25-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
3747.0	-61.02	-13	-48.02	-65.9	3.62	8.5	Horizontal	Pass
5620.5	-55.46	-13	-42.46	-61.17	4.74	10.45	Horizontal	Pass
7494.0	-60.75	-13	-47.75	-67.54	4.94	11.73	Horizontal	Pass
3747.0	-60.43	-13	-47.43	-65.31	3.62	8.5	Vertical	Pass
5620.5	-54.82	-13	-41.82	-60.53	4.74	10.45	Vertical	Pass
7494.0	-60.47	-13	-47.47	-67.26	4.94	11.73	Vertical	Pass

LTE Band 25-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
3792.0	-60.24	-13	-47.24	-65.14	3.66	8.56	Horizontal	Pass
5688.0	-54.06	-13	-41.06	-59.76	4.75	10.45	Horizontal	Pass
7584.0	-60.14	-13	-47.14	-67.03	4.95	11.84	Horizontal	Pass
3792.0	-59.1	-13	-46.1	-64.0	3.66	8.56	Vertical	Pass
5688.0	-54.17	-13	-41.17	-59.87	4.75	10.45	Vertical	Pass
7584.0	-60.11	-13	-47.11	-67.0	4.95	11.84	Vertical	Pass