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	23.78	-2.30	21.48	<=33.01	Pass
			5	23.82	-2.30	21.52	<=33.01	Pass
		6	0	22.89	-2.30	20.59	<=33.01	Pass
	1880	1	0	23.75	-2.30	21.45	<=33.01	Pass
			5	23.70	-2.30	21.40	<=33.01	Pass
		6	0	22.72	-2.30	20.42	<=33.01	Pass
	1909.3	1	0	23.33	-2.30	21.03	<=33.01	Pass
			5	23.19	-2.30	20.89	<=33.01	Pass
		6	0	22.31	-2.30	20.01	<=33.01	Pass
16QAM	1850.7	1	0	23.29	-2.30	20.99	<=33.01	Pass
			5	23.07	-2.30	20.77	<=33.01	Pass
		6	0	22.02	-2.30	19.72	<=33.01	Pass
	1880	1	0	23.15	-2.30	20.85	<=33.01	Pass
			5	23.18	-2.30	20.88	<=33.01	Pass
		6	0	21.90	-2.30	19.60	<=33.01	Pass
	1909.3	1	0	22.78	-2.30	20.48	<=33.01	Pass
			5	22.54	-2.30	20.24	<=33.01	Pass
		6	0	21.37	-2.30	19.07	<=33.01	Pass
64QAM	1850.7	1	0	23.04	-2.30	20.74	<=33.01	Pass
			5	22.98	-2.30	20.68	<=33.01	Pass
		6	0	21.89	-2.30	19.59	<=33.01	Pass
	1880	1	0	22.89	-2.30	20.59	<=33.01	Pass
			5	22.79	-2.30	20.49	<=33.01	Pass
		6	0	21.73	-2.30	19.43	<=33.01	Pass
	1909.3	1	0	22.04	-2.30	19.74	<=33.01	Pass
			5	22.19	-2.30	19.89	<=33.01	Pass
		6	0	21.31	-2.30	19.01	<=33.01	Pass
256QAM	1850.7	1	0	19.06	-2.30	16.76	<=33.01	Pass
			5	18.83	-2.30	16.53	<=33.01	Pass
		6	0	18.94	-2.30	16.64	<=33.01	Pass
	1880	1	0	18.87	-2.30	16.57	<=33.01	Pass
			5	18.80	-2.30	16.50	<=33.01	Pass
		6	0	18.68	-2.30	16.38	<=33.01	Pass
	1909.3	1	0	18.39	-2.30	16.09	<=33.01	Pass
			5	18.42	-2.30	16.12	<=33.01	Pass
		6	0	18.26	-2.30	15.96	<=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	23.82	-2.30	21.52	<=33.01	Pass
			14	23.77	-2.30	21.47	<=33.01	Pass
		15	0	22.90	-2.30	20.60	<=33.01	Pass
	1880	1	0	23.77	-2.30	21.47	<=33.01	Pass

			14	23.71	-2.30	21.41	<=33.01	Pass
		15	0	22.83	-2.30	20.53	<=33.01	Pass
	1908.5	1	0	23.37	-2.30	21.07	<=33.01	Pass
			14	22.95	-2.30	20.65	<=33.01	Pass
		15	0	22.35	-2.30	20.05	<=33.01	Pass
16QAM	1851.5	1	0	23.20	-2.30	20.90	<=33.01	Pass
			14	22.91	-2.30	20.61	<=33.01	Pass
		15	0	21.97	-2.30	19.67	<=33.01	Pass
	1880	1	0	22.78	-2.30	20.48	<=33.01	Pass
			14	22.92	-2.30	20.62	<=33.01	Pass
		15	0	21.83	-2.30	19.53	<=33.01	Pass
	1908.5	1	0	22.83	-2.30	20.53	<=33.01	Pass
			14	22.26	-2.30	19.96	<=33.01	Pass
		15	0	21.37	-2.30	19.07	<=33.01	Pass
64QAM	1851.5	1	0	22.99	-2.30	20.69	<=33.01	Pass
			14	22.75	-2.30	20.45	<=33.01	Pass
		15	0	22.00	-2.30	19.70	<=33.01	Pass
	1880	1	0	22.77	-2.30	20.47	<=33.01	Pass
			14	22.79	-2.30	20.49	<=33.01	Pass
		15	0	21.74	-2.30	19.44	<=33.01	Pass
	1908.5	1	0	22.37	-2.30	20.07	<=33.01	Pass
			14	22.29	-2.30	19.99	<=33.01	Pass
		15	0	21.41	-2.30	19.11	<=33.01	Pass
256QAM	1851.5	1	0	19.07	-2.30	16.77	<=33.01	Pass
			14	18.63	-2.30	16.33	<=33.01	Pass
		15	0	18.79	-2.30	16.49	<=33.01	Pass
	1880	1	0	18.34	-2.30	16.04	<=33.01	Pass
			14	18.60	-2.30	16.30	<=33.01	Pass
		15	0	18.80	-2.30	16.50	<=33.01	Pass
	1908.5	1	0	18.61	-2.30	16.31	<=33.01	Pass
			14	18.31	-2.30	16.01	<=33.01	Pass
		15	0	18.53	-2.30	16.23	<=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	23.88	-2.30	21.58	<=33.01	Pass
			24	23.70	-2.30	21.40	<=33.01	Pass
		25	0	22.81	-2.30	20.51	<=33.01	Pass
	1880	1	0	23.73	-2.30	21.43	<=33.01	Pass
			24	23.95	-2.30	21.65	<=33.01	Pass
		25	0	22.67	-2.30	20.37	<=33.01	Pass
	1907.5	1	0	23.60	-2.30	21.30	<=33.01	Pass
			24	23.14	-2.30	20.84	<=33.01	Pass
		25	0	22.52	-2.30	20.22	<=33.01	Pass
16QAM	1852.5	1	0	23.21	-2.30	20.91	<=33.01	Pass
			24	22.90	-2.30	20.60	<=33.01	Pass
		25	0	21.84	-2.30	19.54	<=33.01	Pass
	1880	1	0	22.96	-2.30	20.66	<=33.01	Pass
			24	23.31	-2.30	21.01	<=33.01	Pass
		25	0	21.72	-2.30	19.42	<=33.01	Pass
	1907.5	1	0	22.66	-2.30	20.36	<=33.01	Pass
			24	22.28	-2.30	19.98	<=33.01	Pass
		25	0	21.56	-2.30	19.26	<=33.01	Pass

64QAM	1852.5	1	0	22.95	-2.30	20.65	<=33.01	Pass
			24	22.64	-2.30	20.34	<=33.01	Pass
		25	0	21.85	-2.30	19.55	<=33.01	Pass
	1880	1	0	22.57	-2.30	20.27	<=33.01	Pass
			24	22.54	-2.30	20.24	<=33.01	Pass
		25	0	21.68	-2.30	19.38	<=33.01	Pass
	1907.5	1	0	22.80	-2.30	20.50	<=33.01	Pass
			24	21.99	-2.30	19.69	<=33.01	Pass
		25	0	21.54	-2.30	19.24	<=33.01	Pass
256QAM	1852.5	1	0	19.02	-2.30	16.72	<=33.01	Pass
			24	18.80	-2.30	16.50	<=33.01	Pass
		25	0	18.89	-2.30	16.59	<=33.01	Pass
	1880	1	0	18.80	-2.30	16.50	<=33.01	Pass
			24	18.76	-2.30	16.46	<=33.01	Pass
		25	0	18.83	-2.30	16.53	<=33.01	Pass
	1907.5	1	0	18.78	-2.30	16.48	<=33.01	Pass
			24	18.33	-2.30	16.03	<=33.01	Pass
		25	0	18.59	-2.30	16.29	<=33.01	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.1.4 B2_10MHz_EIRP

Band: 2 / Bandwidth: 10MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1855	1	0	23.86	-2.30	21.56	<=33.01	Pass
			49	23.58	-2.30	21.28	<=33.01	Pass
		50	0	22.79	-2.30	20.49	<=33.01	Pass
	1880	1	0	23.73	-2.30	21.43	<=33.01	Pass
			49	23.82	-2.30	21.52	<=33.01	Pass
		50	0	22.79	-2.30	20.49	<=33.01	Pass
	1905	1	0	23.88	-2.30	21.58	<=33.01	Pass
			49	23.36	-2.30	21.06	<=33.01	Pass
		50	0	22.68	-2.30	20.38	<=33.01	Pass
16QAM	1855	1	0	22.83	-2.30	20.53	<=33.01	Pass
			49	22.84	-2.30	20.54	<=33.01	Pass
		50	0	21.89	-2.30	19.59	<=33.01	Pass
	1880	1	0	22.83	-2.30	20.53	<=33.01	Pass
			49	23.37	-2.30	21.07	<=33.01	Pass
		50	0	21.80	-2.30	19.50	<=33.01	Pass
	1905	1	0	23.06	-2.30	20.76	<=33.01	Pass
			49	22.48	-2.30	20.18	<=33.01	Pass
		50	0	21.71	-2.30	19.41	<=33.01	Pass
64QAM	1855	1	0	22.98	-2.30	20.68	<=33.01	Pass
			49	21.90	-2.30	19.60	<=33.01	Pass
		50	0	21.79	-2.30	19.49	<=33.01	Pass
	1880	1	0	22.38	-2.30	20.08	<=33.01	Pass
			49	22.70	-2.30	20.40	<=33.01	Pass
		50	0	21.81	-2.30	19.51	<=33.01	Pass
	1905	1	0	22.82	-2.30	20.52	<=33.01	Pass
			49	21.97	-2.30	19.67	<=33.01	Pass
		50	0	21.68	-2.30	19.38	<=33.01	Pass
256QAM	1855	1	0	19.17	-2.30	16.87	<=33.01	Pass
			49	18.73	-2.30	16.43	<=33.01	Pass
		50	0	18.79	-2.30	16.49	<=33.01	Pass
	1880	1	0	18.36	-2.30	16.06	<=33.01	Pass
			49	18.89	-2.30	16.59	<=33.01	Pass

		50	0	18.79	-2.30	16.49	<=33.01	Pass
	1905	1	0	18.74	-2.30	16.44	<=33.01	Pass
			49	18.27	-2.30	15.97	<=33.01	Pass
		50	0	18.60	-2.30	16.30	<=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	23.56	-2.30	21.26	<=33.01	Pass
			74	23.49	-2.30	21.19	<=33.01	Pass
		75	0	22.66	-2.30	20.36	<=33.01	Pass
	1880	1	0	23.35	-2.30	21.05	<=33.01	Pass
			74	23.75	-2.30	21.45	<=33.01	Pass
		75	0	22.73	-2.30	20.43	<=33.01	Pass
	1902.5	1	0	23.83	-2.30	21.53	<=33.01	Pass
			74	23.23	-2.30	20.93	<=33.01	Pass
		75	0	22.75	-2.30	20.45	<=33.01	Pass
16QAM	1857.5	1	0	22.82	-2.30	20.52	<=33.01	Pass
			74	22.50	-2.30	20.20	<=33.01	Pass
		75	0	21.64	-2.30	19.34	<=33.01	Pass
	1880	1	0	22.68	-2.30	20.38	<=33.01	Pass
			74	22.85	-2.30	20.55	<=33.01	Pass
		75	0	21.60	-2.30	19.30	<=33.01	Pass
	1902.5	1	0	22.79	-2.30	20.49	<=33.01	Pass
			74	22.31	-2.30	20.01	<=33.01	Pass
		75	0	21.72	-2.30	19.42	<=33.01	Pass
64QAM	1857.5	1	0	22.46	-2.30	20.16	<=33.01	Pass
			74	22.34	-2.30	20.04	<=33.01	Pass
		75	0	21.66	-2.30	19.36	<=33.01	Pass
	1880	1	0	22.28	-2.30	19.98	<=33.01	Pass
			74	22.26	-2.30	19.96	<=33.01	Pass
		75	0	21.60	-2.30	19.30	<=33.01	Pass
	1902.5	1	0	22.91	-2.30	20.61	<=33.01	Pass
			74	22.19	-2.30	19.89	<=33.01	Pass
		75	0	21.69	-2.30	19.39	<=33.01	Pass
256QAM	1857.5	1	0	18.75	-2.30	16.45	<=33.01	Pass
			74	18.33	-2.30	16.03	<=33.01	Pass
		75	0	18.69	-2.30	16.39	<=33.01	Pass
	1880	1	0	18.27	-2.30	15.97	<=33.01	Pass
			74	18.76	-2.30	16.46	<=33.01	Pass
		75	0	18.64	-2.30	16.34	<=33.01	Pass
	1902.5	1	0	18.73	-2.30	16.43	<=33.01	Pass
			74	18.35	-2.30	16.05	<=33.01	Pass
		75	0	18.68	-2.30	16.38	<=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	23.62	-2.30	21.32	<=33.01	Pass
			99	23.34	-2.30	21.04	<=33.01	Pass

		100	0	22.65	-2.30	20.35	<=33.01	Pass
	1880	1	0	23.46	-2.30	21.16	<=33.01	Pass
			99	23.51	-2.30	21.21	<=33.01	Pass
		100	0	22.61	-2.30	20.31	<=33.01	Pass
	1900	1	0	23.78	-2.30	21.48	<=33.01	Pass
			99	23.44	-2.30	21.14	<=33.01	Pass
		100	0	22.80	-2.30	20.50	<=33.01	Pass
16QAM	1860	1	0	22.78	-2.30	20.48	<=33.01	Pass
			99	22.56	-2.30	20.26	<=33.01	Pass
		100	0	21.51	-2.30	19.21	<=33.01	Pass
	1880	1	0	22.80	-2.30	20.50	<=33.01	Pass
			99	23.25	-2.30	20.95	<=33.01	Pass
		100	0	21.66	-2.30	19.36	<=33.01	Pass
	1900	1	0	22.72	-2.30	20.42	<=33.01	Pass
			99	22.44	-2.30	20.14	<=33.01	Pass
		100	0	21.74	-2.30	19.44	<=33.01	Pass
64QAM	1860	1	0	22.12	-2.30	19.82	<=33.01	Pass
			99	22.52	-2.30	20.22	<=33.01	Pass
		100	0	21.57	-2.30	19.27	<=33.01	Pass
	1880	1	0	22.68	-2.30	20.38	<=33.01	Pass
			99	22.83	-2.30	20.53	<=33.01	Pass
		100	0	21.59	-2.30	19.29	<=33.01	Pass
	1900	1	0	22.71	-2.30	20.41	<=33.01	Pass
			99	21.97	-2.30	19.67	<=33.01	Pass
		100	0	21.72	-2.30	19.42	<=33.01	Pass
256QAM	1860	1	0	18.61	-2.30	16.31	<=33.01	Pass
			99	18.54	-2.30	16.24	<=33.01	Pass
		100	0	18.63	-2.30	16.33	<=33.01	Pass
	1880	1	0	18.32	-2.30	16.02	<=33.01	Pass
			99	18.71	-2.30	16.41	<=33.01	Pass
		100	0	18.57	-2.30	16.27	<=33.01	Pass
	1900	1	0	18.81	-2.30	16.51	<=33.01	Pass
			99	18.45	-2.30	16.15	<=33.01	Pass
		100	0	18.71	-2.30	16.41	<=33.01	Pass
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	3.6	1.000	0.0005	-2.5 to 2.5	Pass
					3.84	-0.600	-0.0003	-2.5 to 2.5	Pass
					4.3	-2.200	-0.0012	-2.5 to 2.5	Pass
				-30	3.84	-0.500	-0.0003	-2.5 to 2.5	Pass
				-20	3.84	-4.000	-0.0021	-2.5 to 2.5	Pass
				-10	3.84	-1.500	-0.0008	-2.5 to 2.5	Pass
				0	3.84	3.300	0.0018	-2.5 to 2.5	Pass
				10	3.84	-1.800	-0.0010	-2.5 to 2.5	Pass
				30	3.84	-3.400	-0.0018	-2.5 to 2.5	Pass
				40	3.84	-2.200	-0.0012	-2.5 to 2.5	Pass
				50	3.84	-1.000	-0.0005	-2.5 to 2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 Band2_OBW

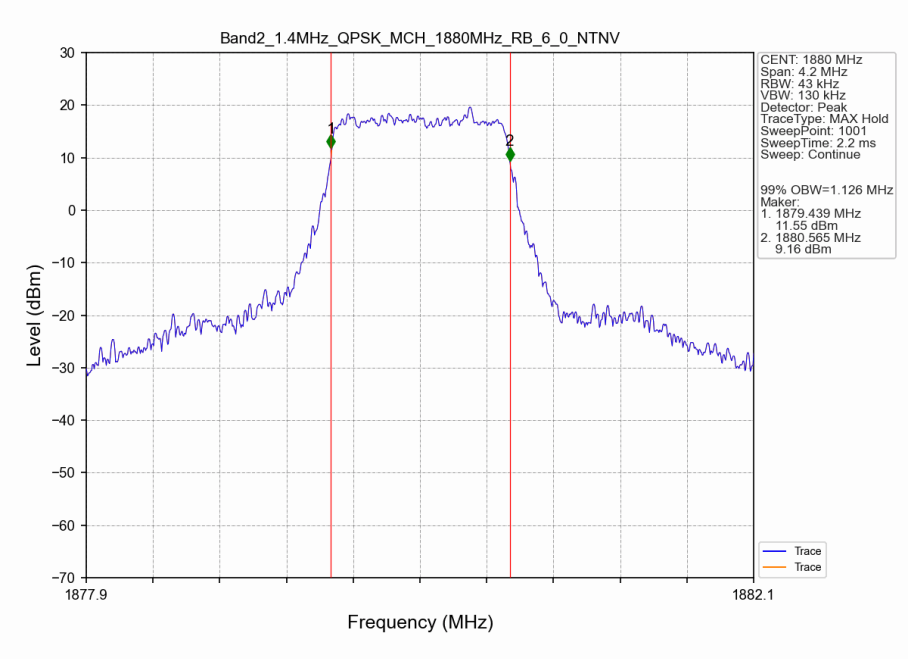
Band: 2 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	1880	6	0	1.126	/	Pass
	16QAM	1880	6	0	1.126	/	Pass
3	QPSK	1880	15	0	2.738	/	Pass
	16QAM	1880	15	0	2.733	/	Pass
5	QPSK	1880	25	0	4.559	/	Pass
	16QAM	1880	25	0	4.559	/	Pass
10	QPSK	1880	50	0	9.069	/	Pass
	16QAM	1880	50	0	9.076	/	Pass
15	QPSK	1880	75	0	13.623	/	Pass
	16QAM	1880	75	0	13.613	/	Pass
20	QPSK	1880	100	0	18.099	/	Pass
	16QAM	1880	100	0	18.101	/	Pass

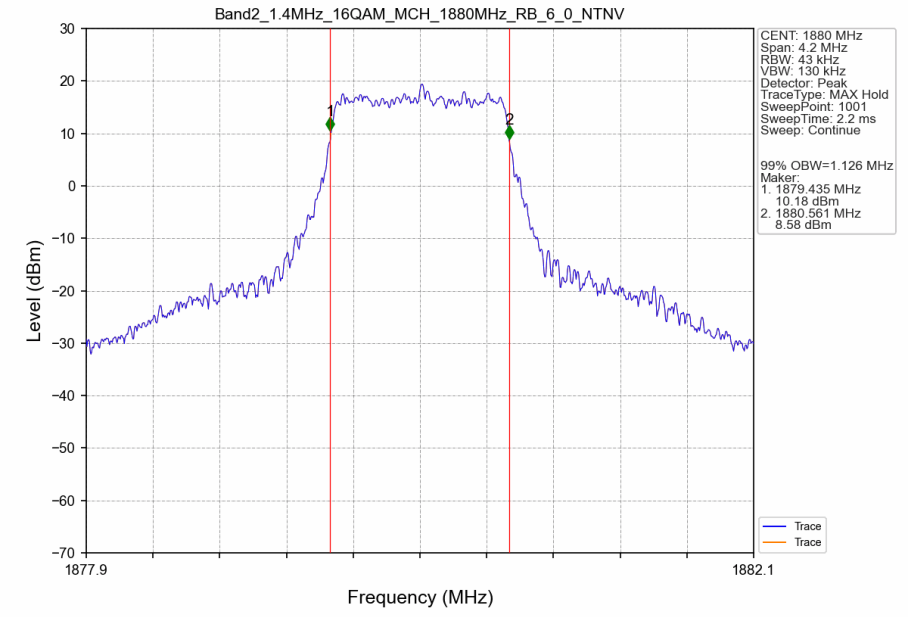
3.1.2 Band2_XDB

Band: 2 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	1880	6	0	1.401	/	Pass
	16QAM	1880	6	0	1.398	/	Pass
3	QPSK	1880	15	0	3.119	/	Pass
	16QAM	1880	15	0	3.120	/	Pass
5	QPSK	1880	25	0	5.189	/	Pass
	16QAM	1880	25	0	5.232	/	Pass
10	QPSK	1880	50	0	10.176	/	Pass
	16QAM	1880	50	0	10.184	/	Pass
15	QPSK	1880	75	0	15.117	/	Pass
	16QAM	1880	75	0	15.098	/	Pass
20	QPSK	1880	100	0	20.189	/	Pass
	16QAM	1880	100	0	20.022	/	Pass

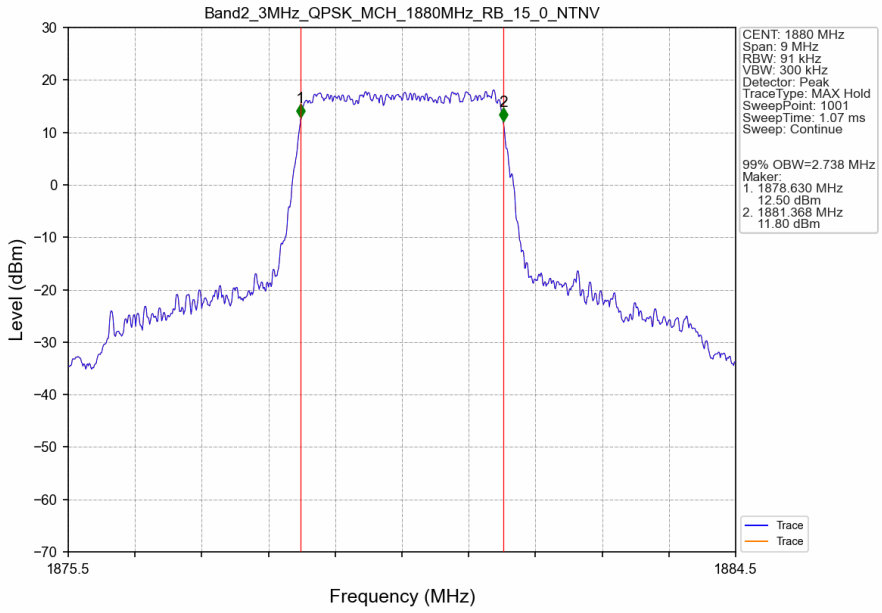
3.2 Test Graph

3.2.1 Band2_OBW

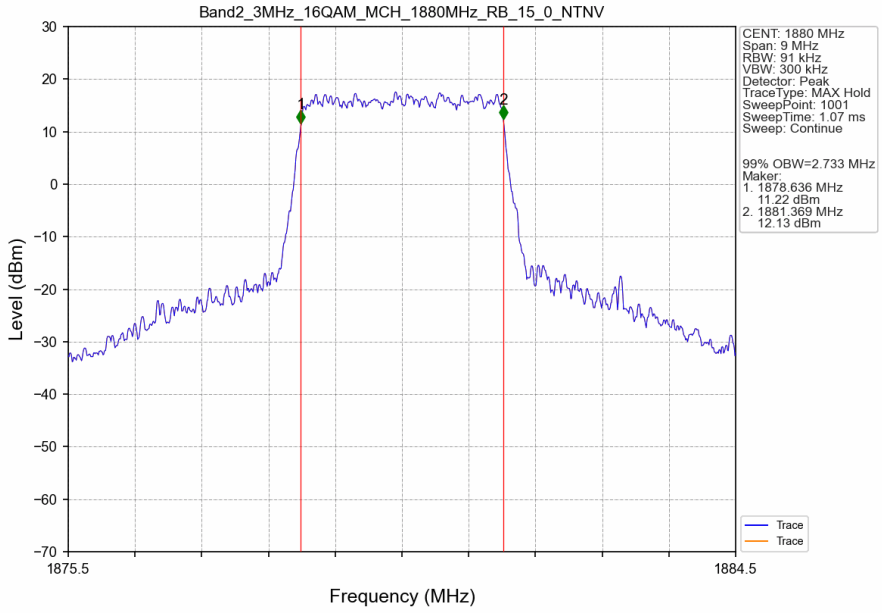
Band2_1.4MHz_QPSK_MCH_1880MHz_RB_6_0_NTNV


Band2_1.4MHz_16QAM_MCH_1880MHz_RB_6_0_NTNV


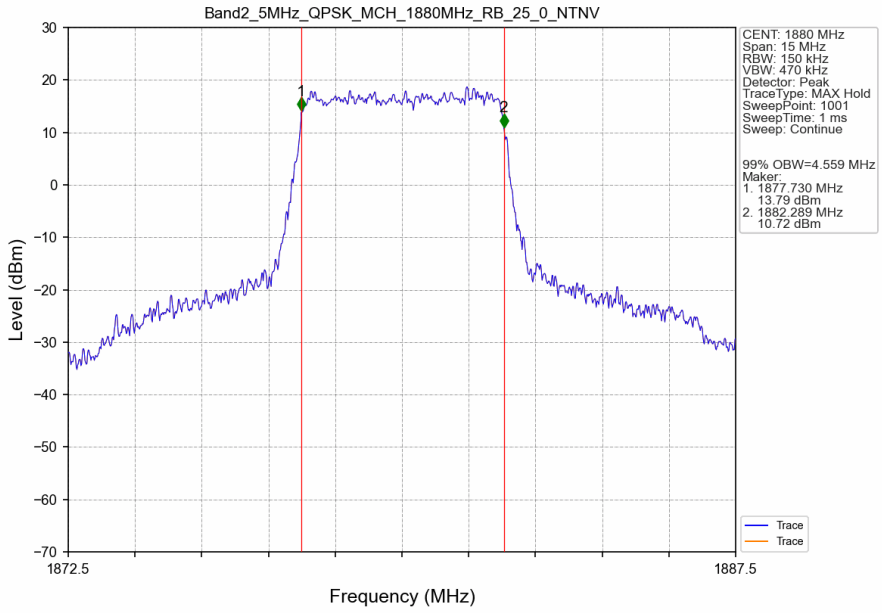
Band2_3MHz_QPSK_MCH_1880MHz_RB_15_0_NTNV



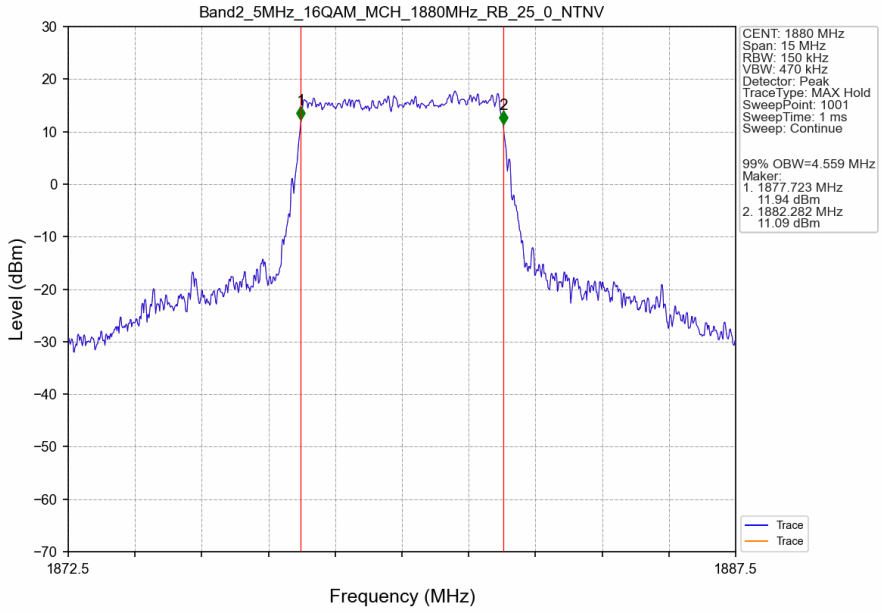
Band2_3MHz_16QAM_MCH_1880MHz_RB_15_0_NTNV



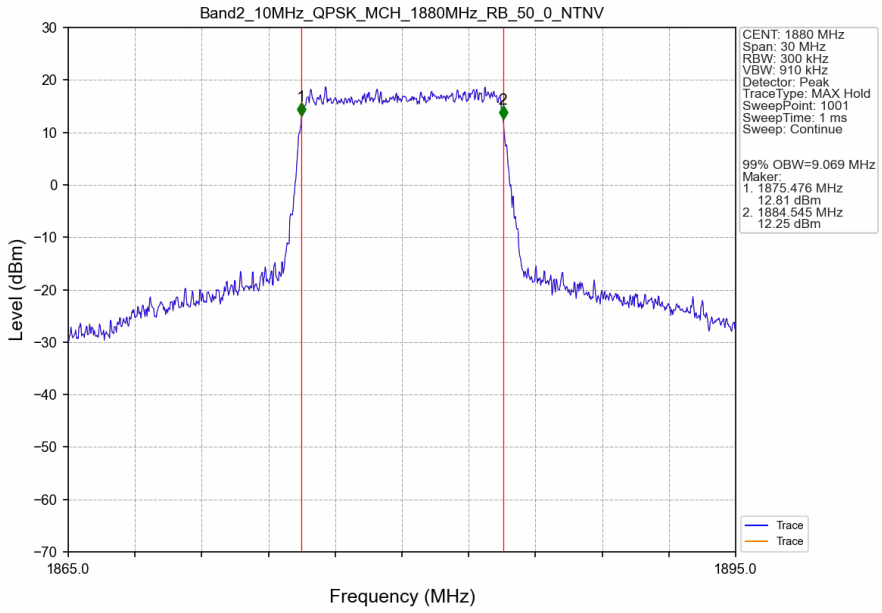
Band2_5MHz_QPSK_MCH_1880MHz_RB_25_0_NTNV



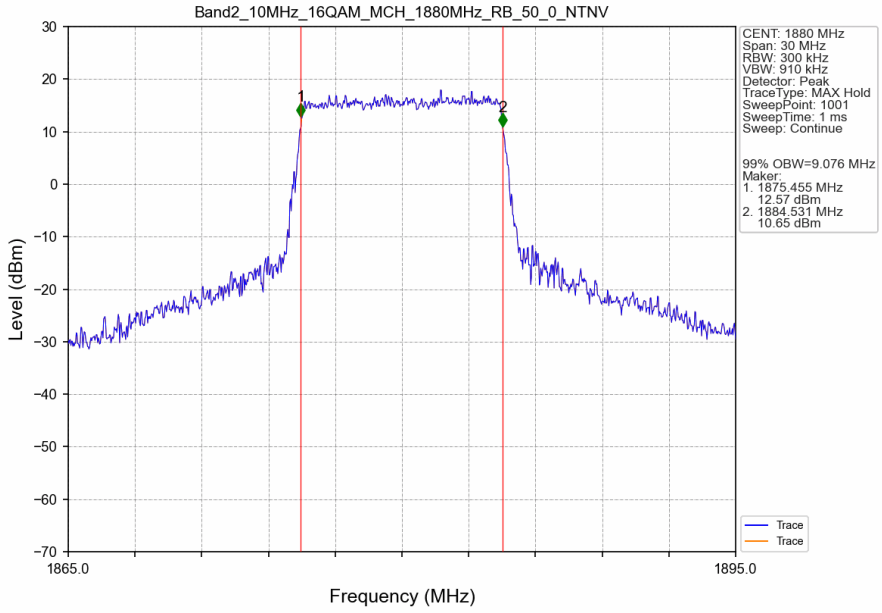
Band2_5MHz_16QAM_MCH_1880MHz_RB_25_0_NTNV



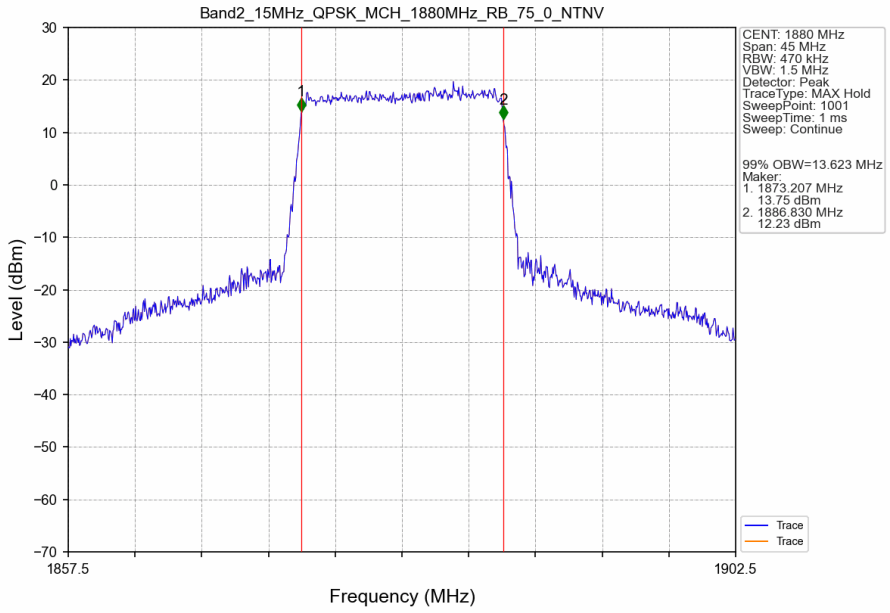
Band2_10MHz_QPSK_MCH_1880MHz_RB_50_0_NTNV



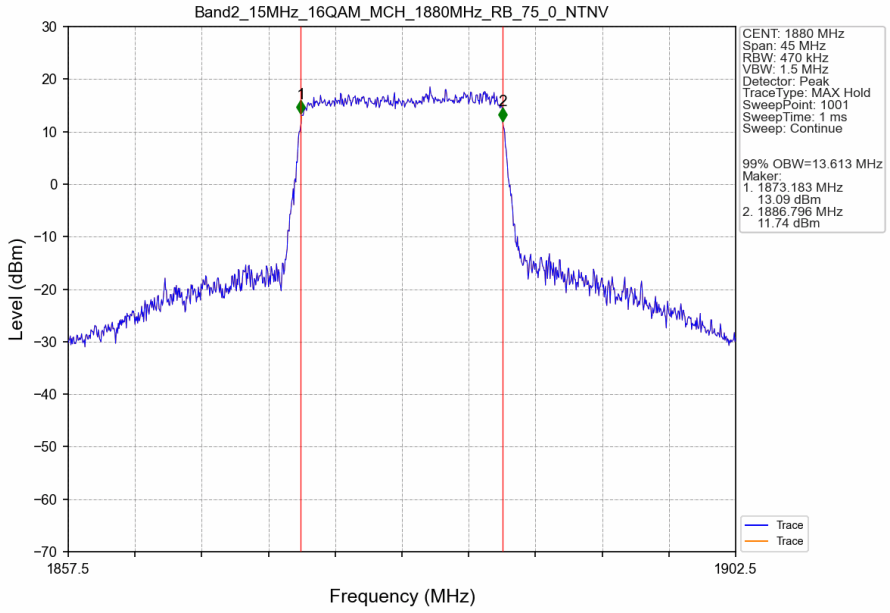
Band2_10MHz_16QAM_MCH_1880MHz_RB_50_0_NTNV



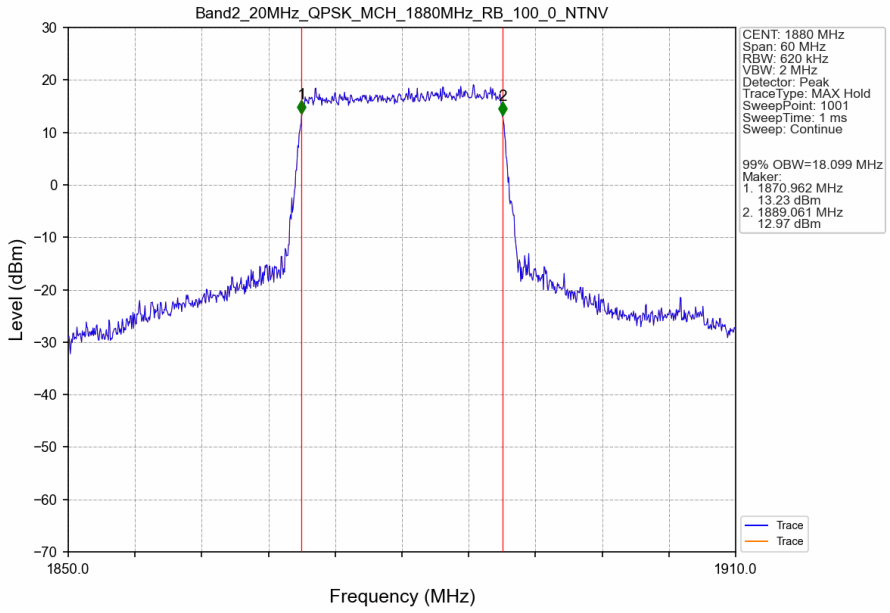
Band2_15MHz_QPSK_MCH_1880MHz_RB_75_0_NTNV



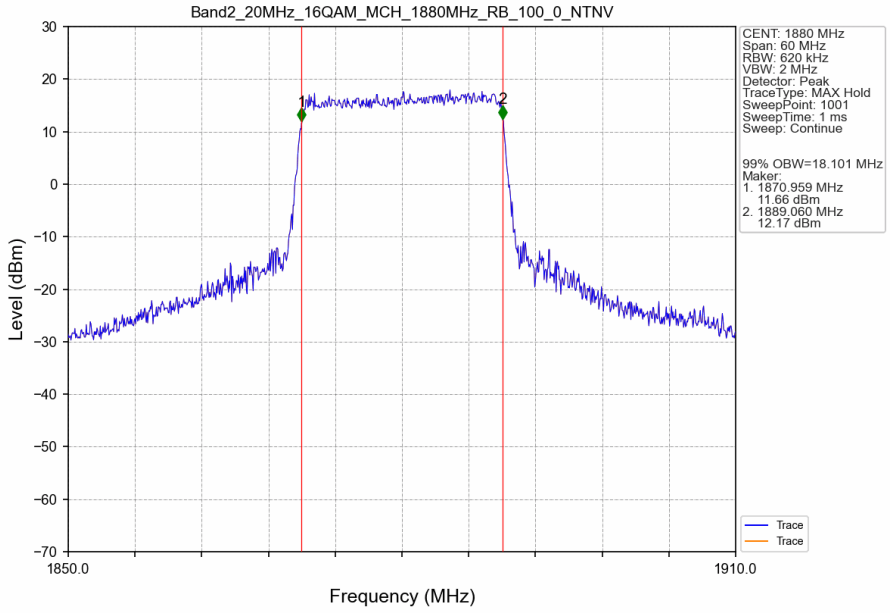
Band2_15MHz_16QAM_MCH_1880MHz_RB_75_0_NTNV



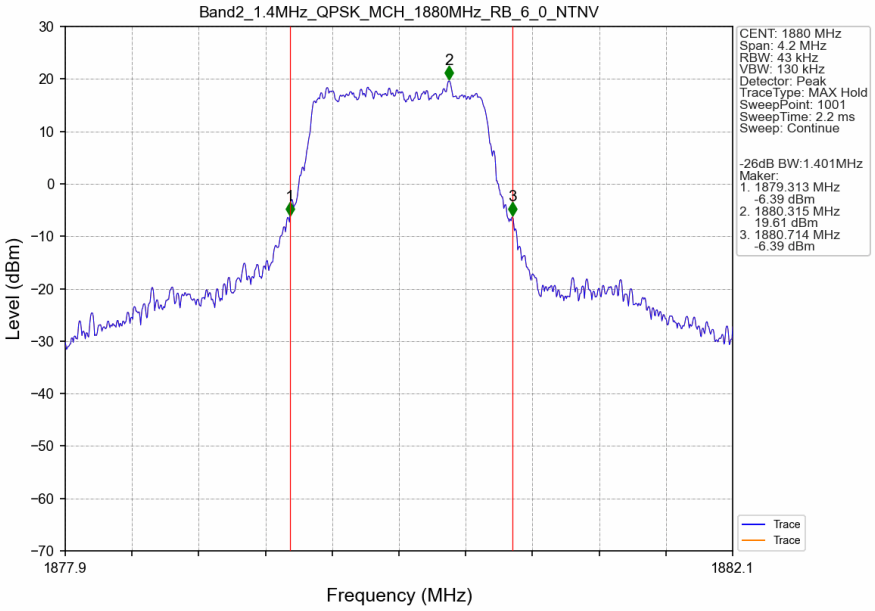
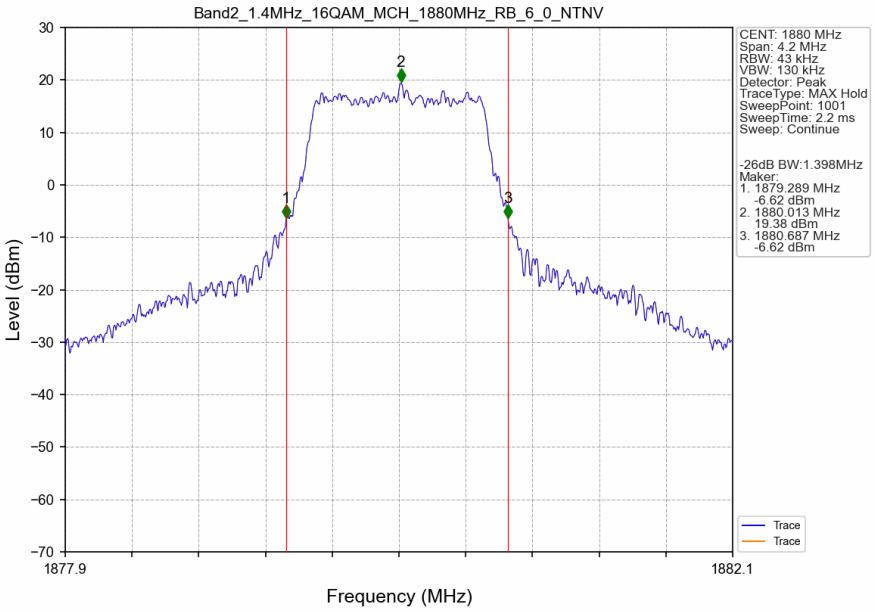
Band2_20MHz_QPSK_MCH_1880MHz_RB_100_0_NTNV



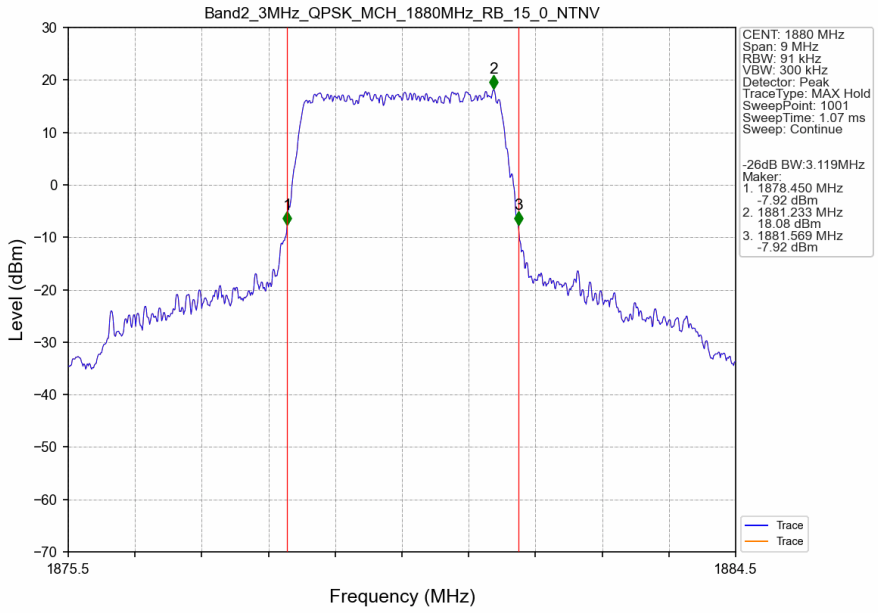
Band2_20MHz_16QAM_MCH_1880MHz_RB_100_0_NTNV



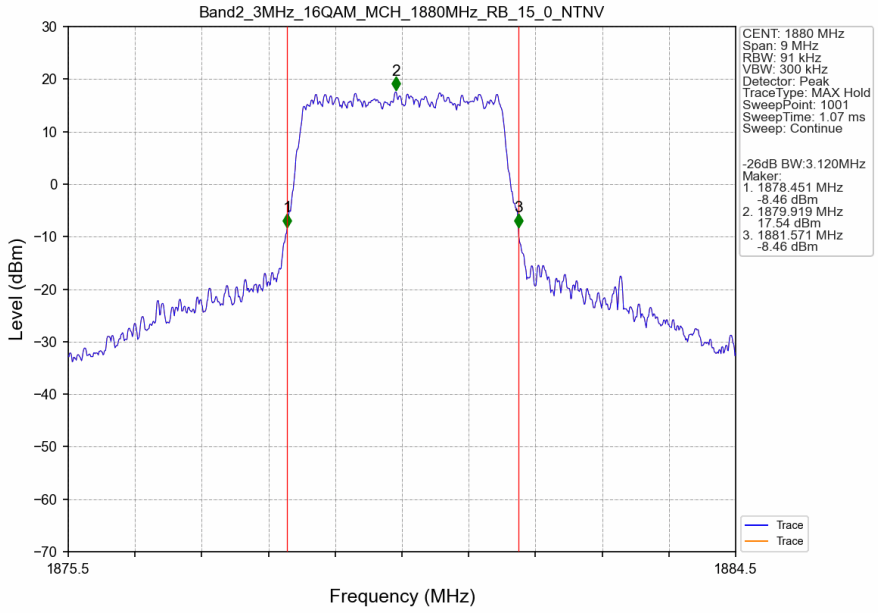
3.2.2 Band2_XDB

Band2_1.4MHz_QPSK_MCH_1880MHz_RB_6_0_NTNV

Band2_1.4MHz_16QAM_MCH_1880MHz_RB_6_0_NTNV


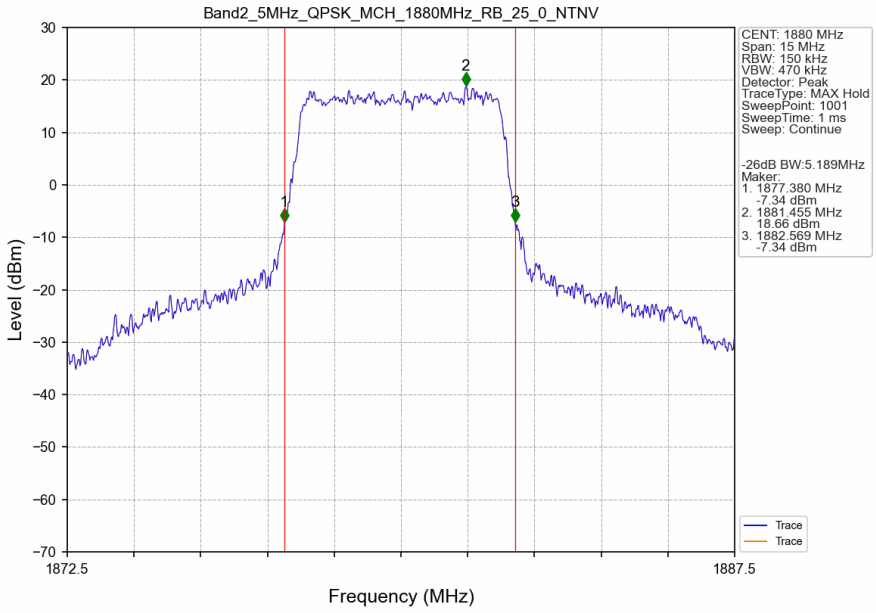
Band2_3MHz_QPSK_MCH_1880MHz_RB_15_0_NTNV



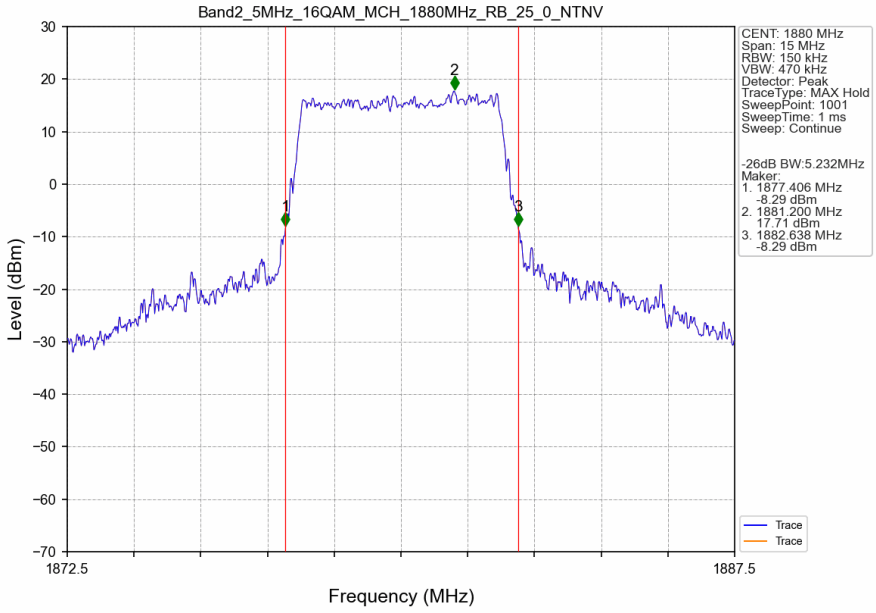
Band2_3MHz_16QAM_MCH_1880MHz_RB_15_0_NTNV



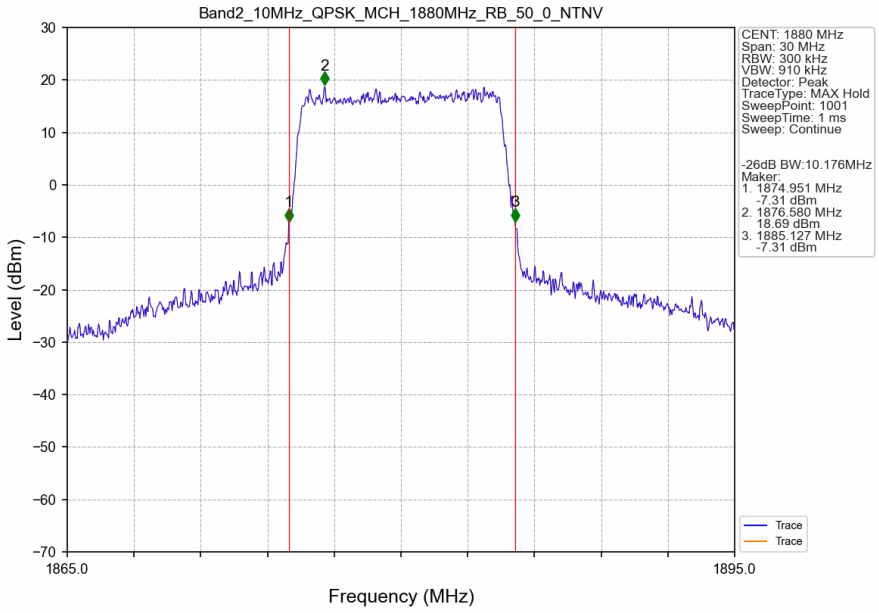
Band2_5MHz_QPSK_MCH_1880MHz_RB_25_0_NTNV



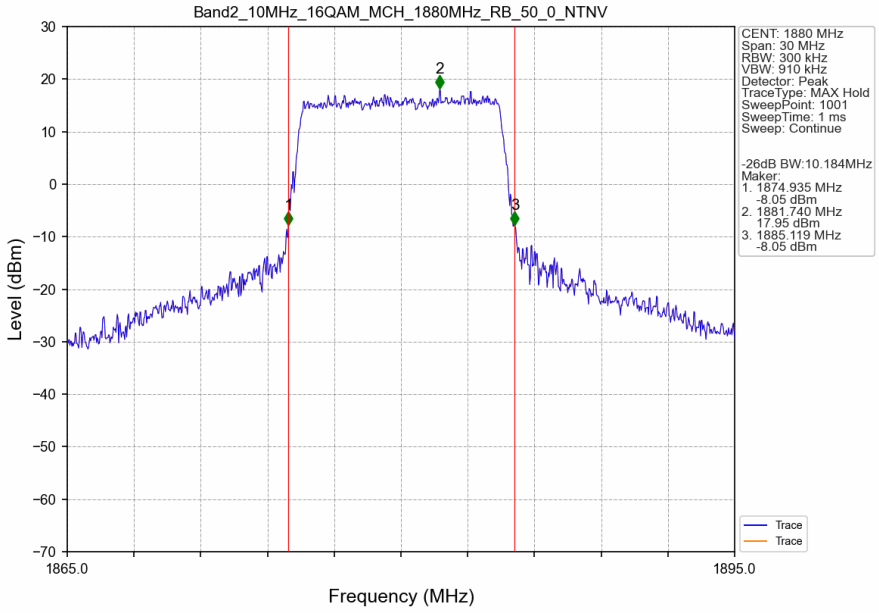
Band2_5MHz_16QAM_MCH_1880MHz_RB_25_0_NTNV



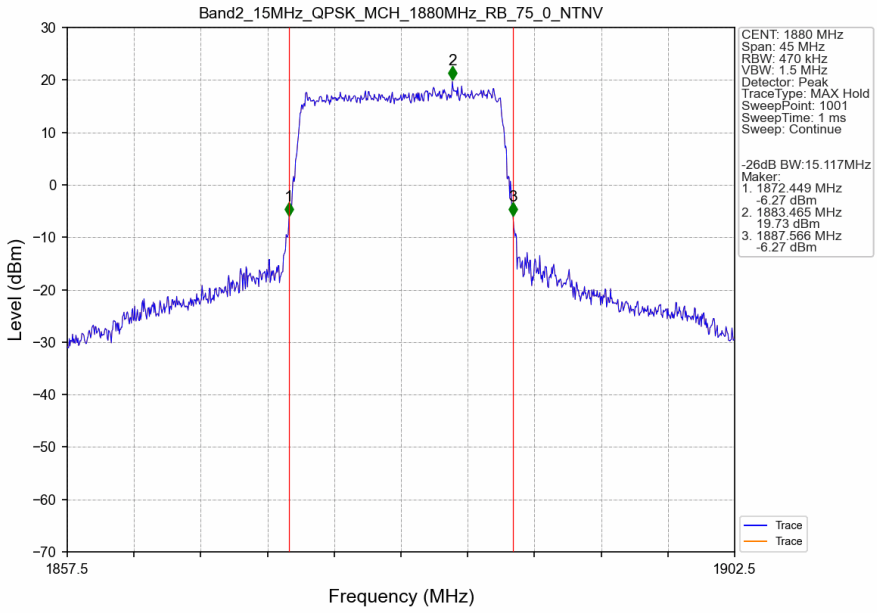
Band2_10MHz_QPSK_MCH_1880MHz_RB_50_0_NTNV



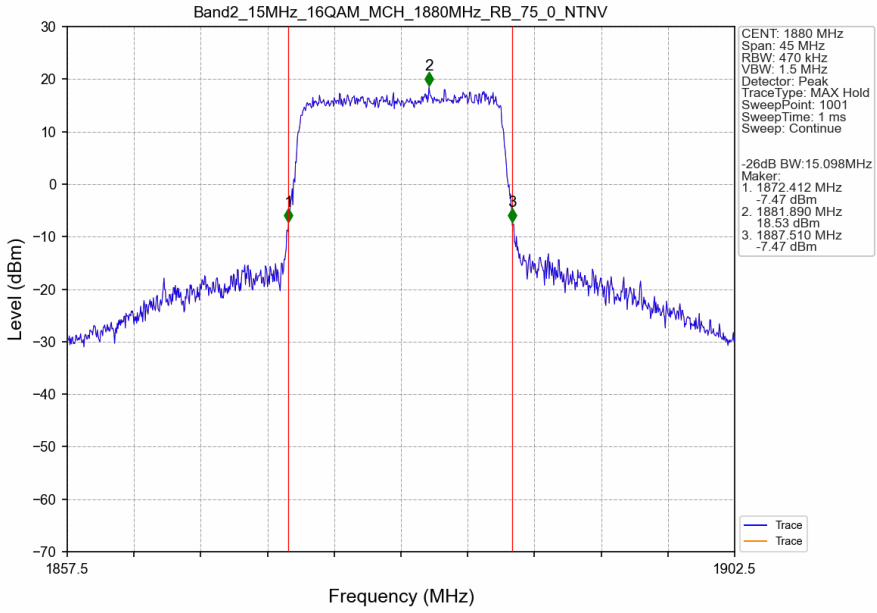
Band2_10MHz_16QAM_MCH_1880MHz_RB_50_0_NTNV



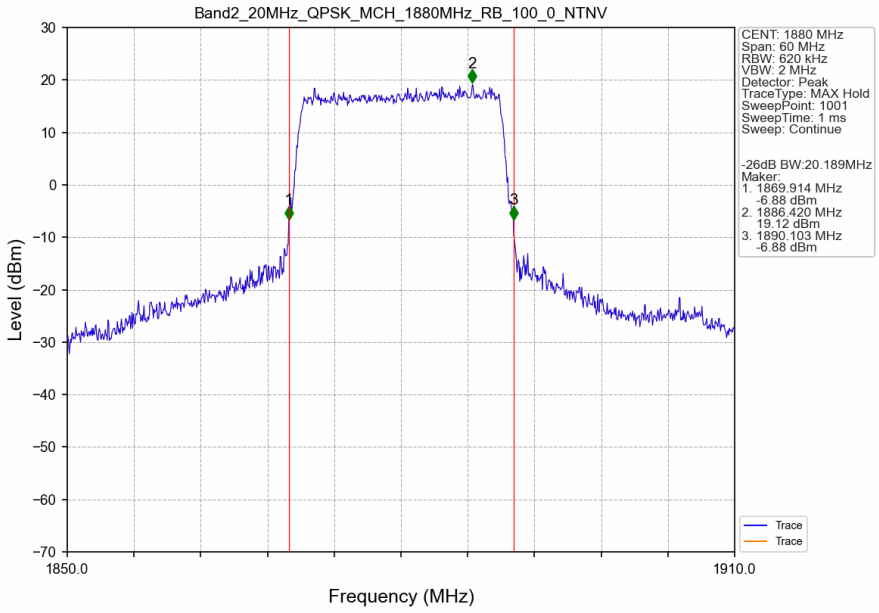
Band2_15MHz_QPSK_MCH_1880MHz_RB_75_0_NTNV



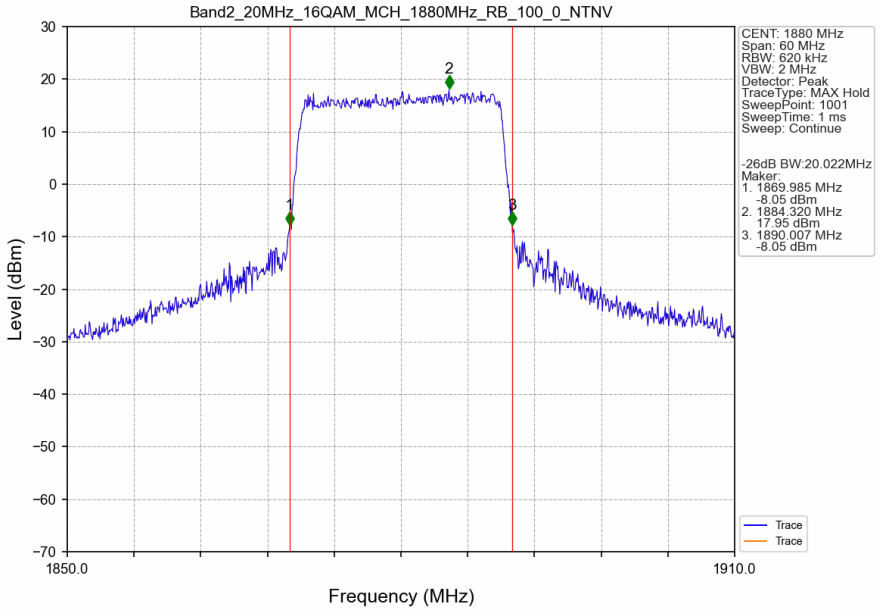
Band2_15MHz_16QAM_MCH_1880MHz_RB_75_0_NTNV



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

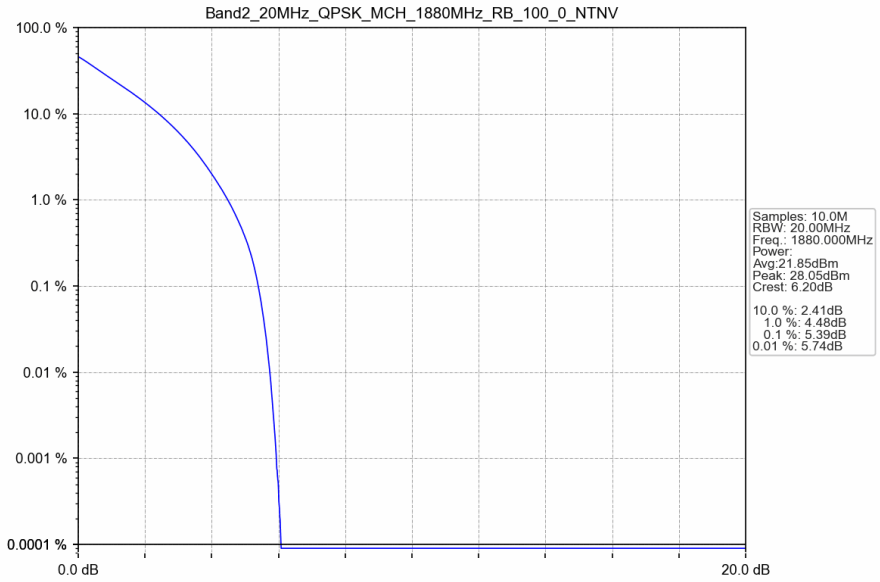
4.1.1 B2_20MHz

Band: 2 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1880	100	0	5.39	<=13	Pass
16QAM	1880	100	0	6.14	<=13	Pass
64QAM	1880	100	0	6.14	<=13	Pass
256QAM	1880	100	0	6.53	<=13	Pass

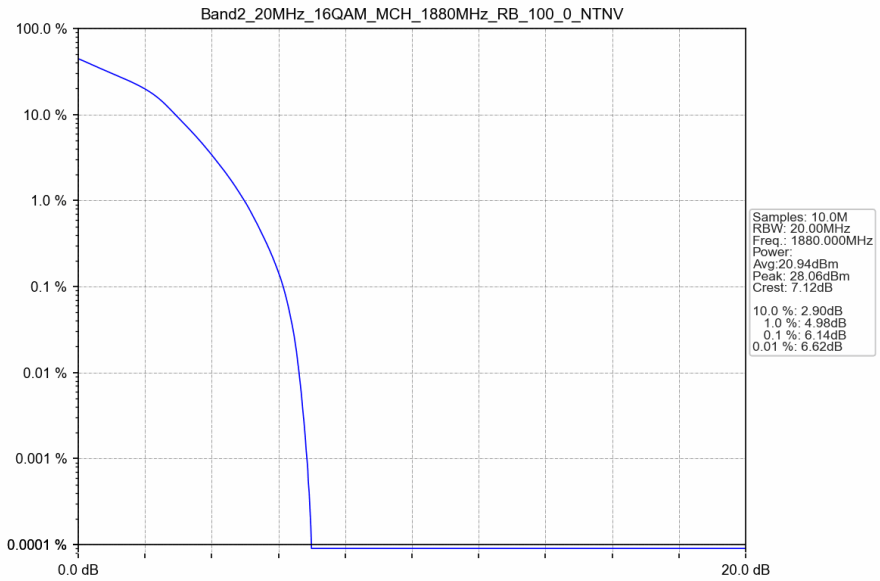
4.2 Test Graph

4.2.1 B2_20MHz

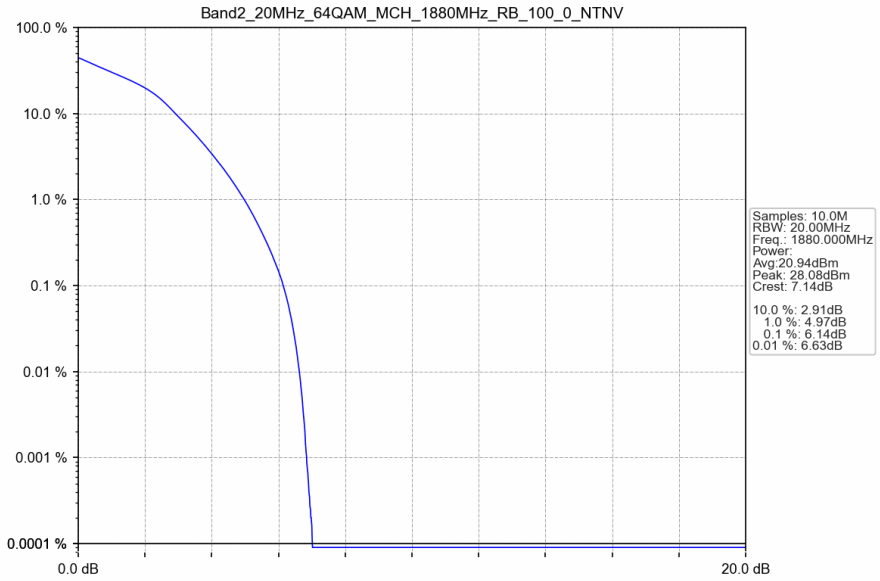
Band2_20MHz_QPSK_MCH_1880MHz_RB_100_0_NTNV



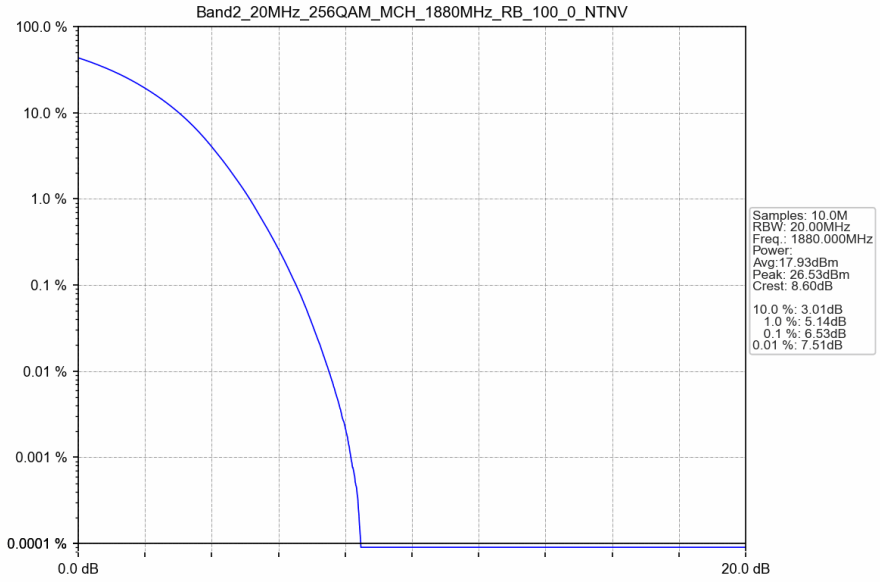
Band2_20MHz_16QAM_MCH_1880MHz_RB_100_0_NTNV



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 / 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
	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

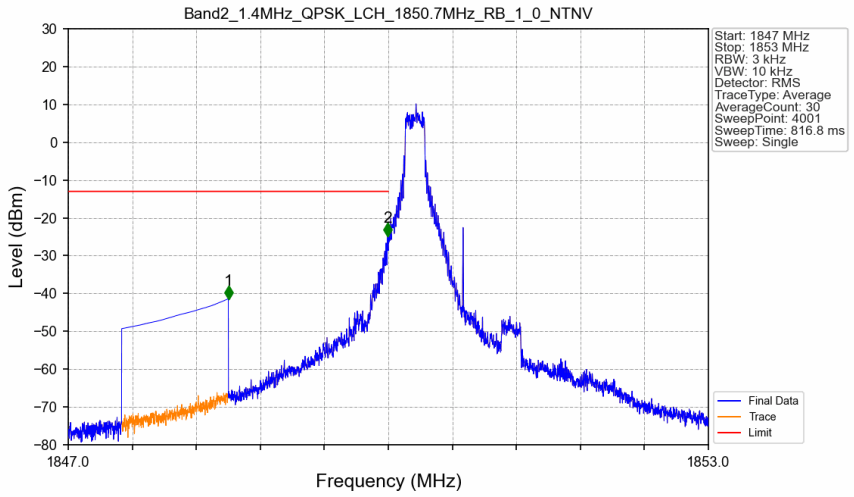
5.1.6 B2_20MHz

Band: 2 / Bandwidth: 20MHz / 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
	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

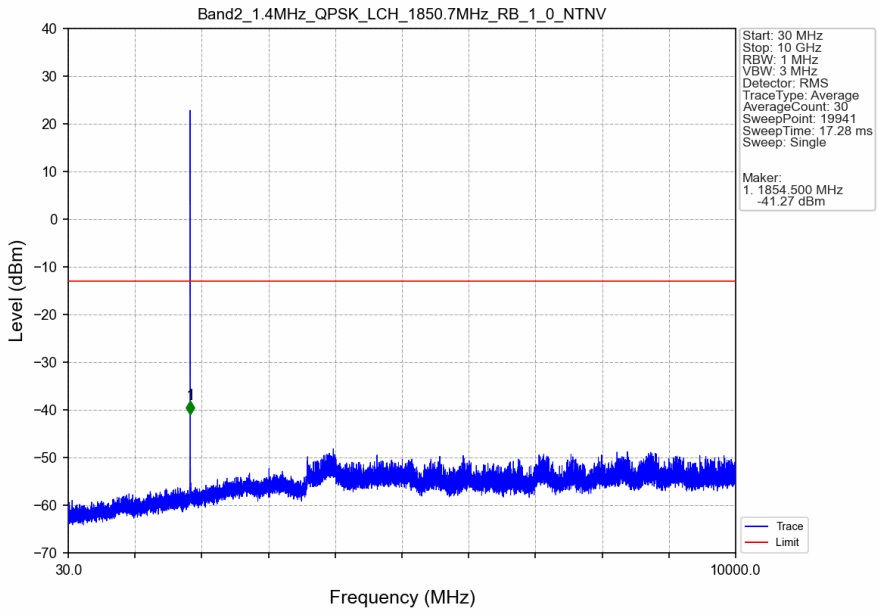
5.2.1 B2_1.4MHz

Band2_1.4MHz_QPSK_LCH_1850.7MHz_RB_1_0_NTNV

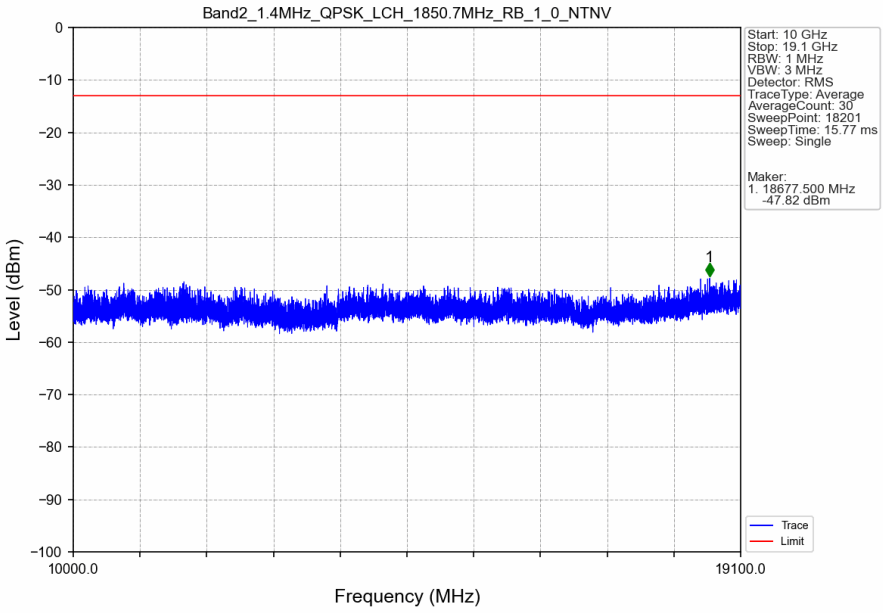


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1847	1849	1	CHP	1	1848.500	-41.38	-13	Pass
1849	1850	0.003	/	2	1849.994	-24.88	-13	Pass
1850	1853	0.003	/	/	/	/	/	/

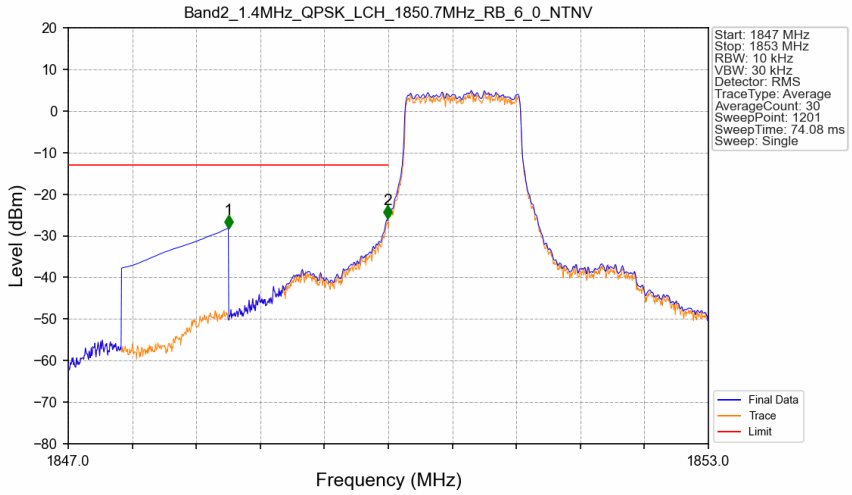
Band2_1.4MHz_QPSK_LCH_1850.7MHz_RB_1_0_NTNV



Band2_1.4MHz_QPSK_LCH_1850.7MHz_RB_1_0_NTNV

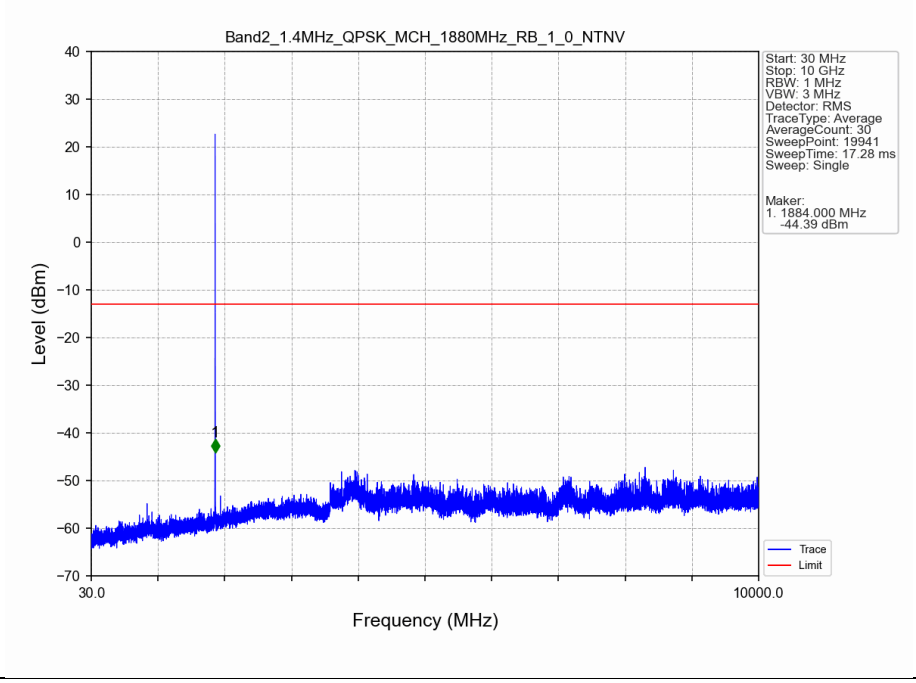


Band2_1.4MHz_QPSK_LCH_1850.7MHz_RB_6_0_NTNV

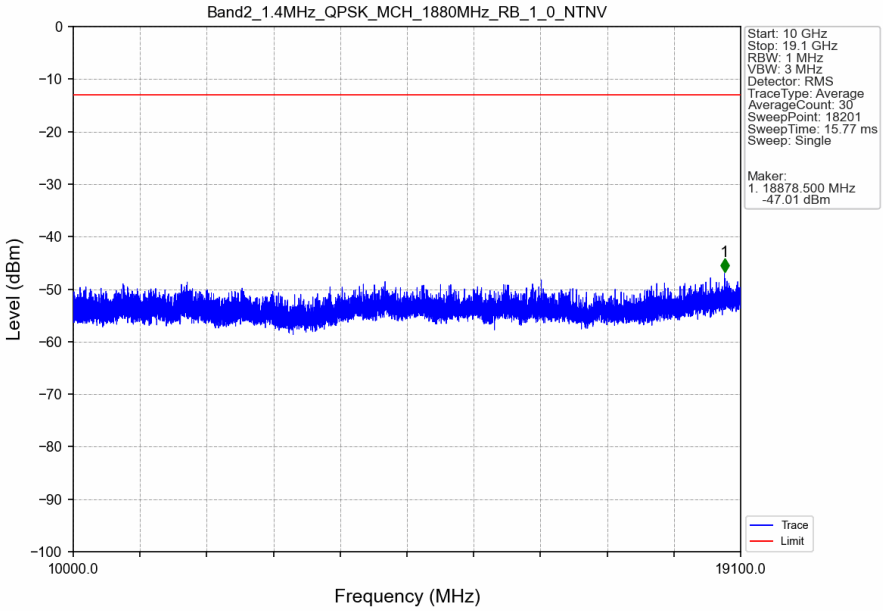


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1847	1849	1	CHP	1	1848.500	-28.18	-13	Pass
1849	1850	0.014	CHP	2	1849.995	-25.87	-13	Pass
1850	1853	0.014	CHP	/	/	/	/	/

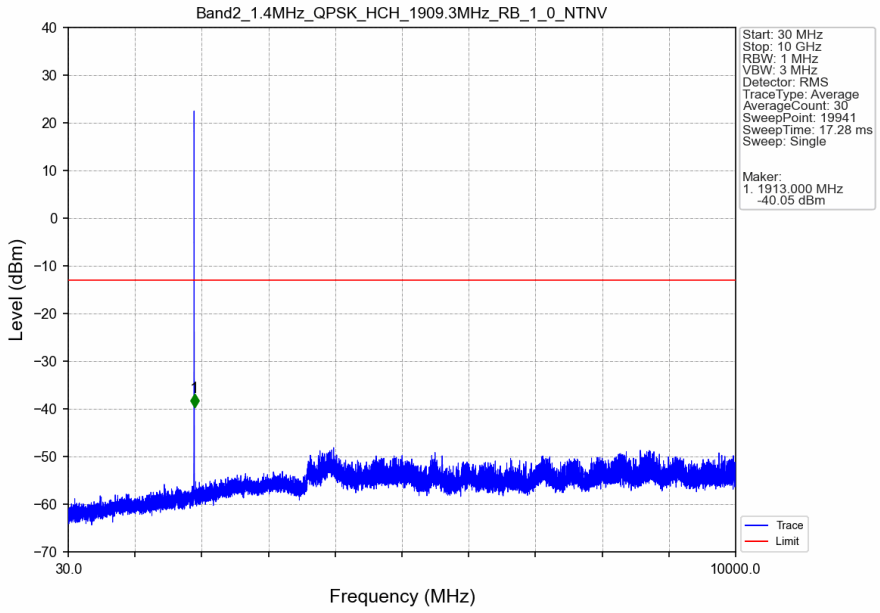
Band2_1.4MHz_QPSK_MCH_1880MHz_RB_1_0_NTNV



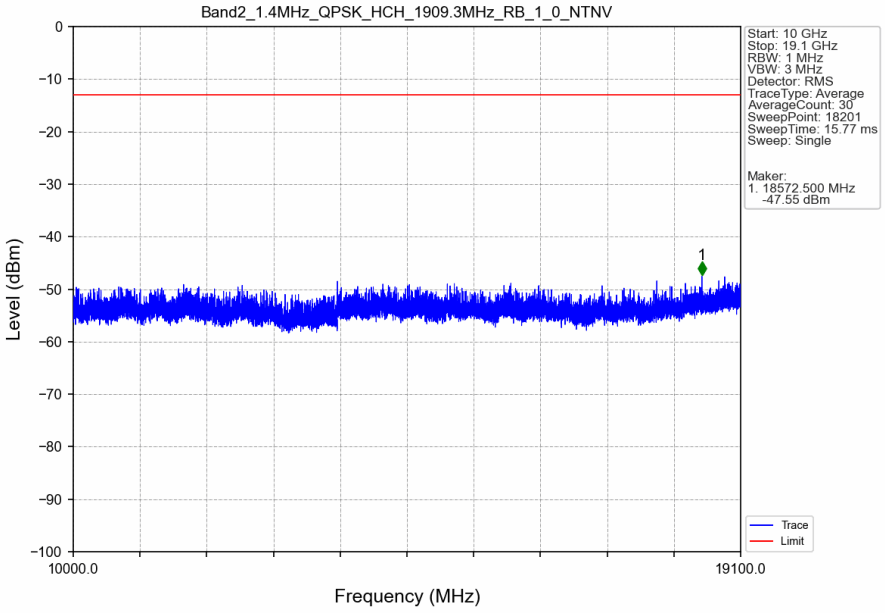
Band2_1.4MHz_QPSK_MCH_1880MHz_RB_1_0_NTNV



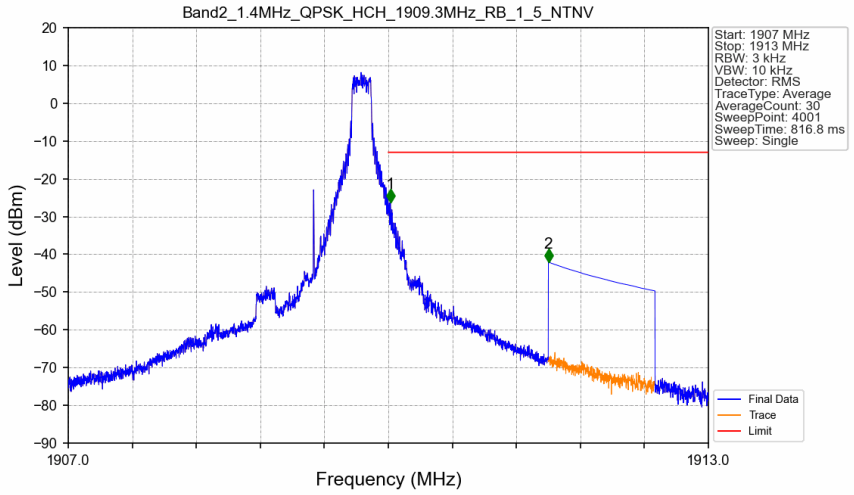
Band2_1.4MHz_QPSK_HCH_1909.3MHz_RB_1_0_NTNV



Band2_1.4MHz_QPSK_HCH_1909.3MHz_RB_1_0_NTNV

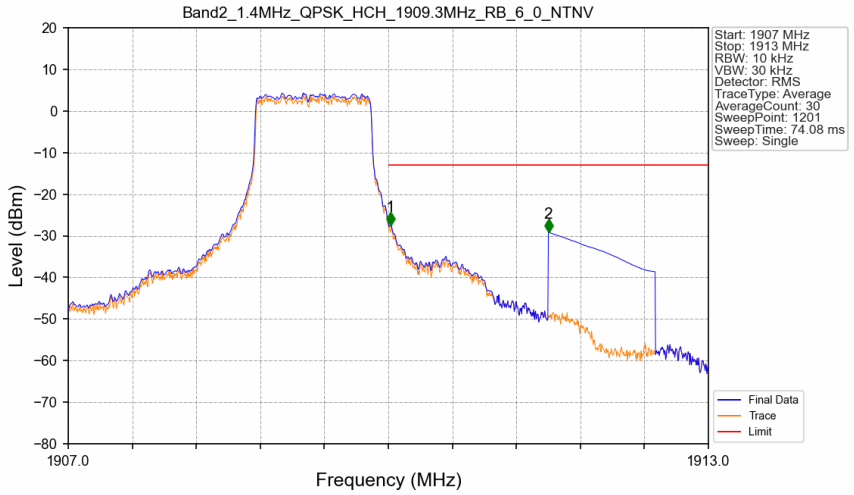


Band2_1.4MHz_QPSK_HCH_1909.3MHz_RB_1_5_NTNV



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	1910.020	-26.28	-13	Pass
1911	1913	1	CHP	2	1911.500	-42.07	-13	Pass

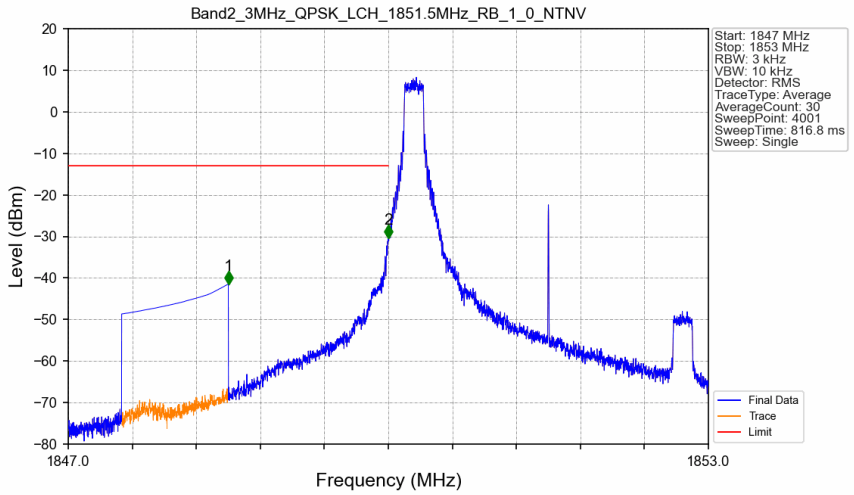
Band2_1.4MHz_QPSK_HCH_1909.3MHz_RB_6_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1907	1910	0.014	CHP	/	/	/	/	/
1910	1911	0.014	CHP	1	1910.020	-27.54	-13	Pass
1911	1913	1	CHP	2	1911.500	-29.17	-13	Pass

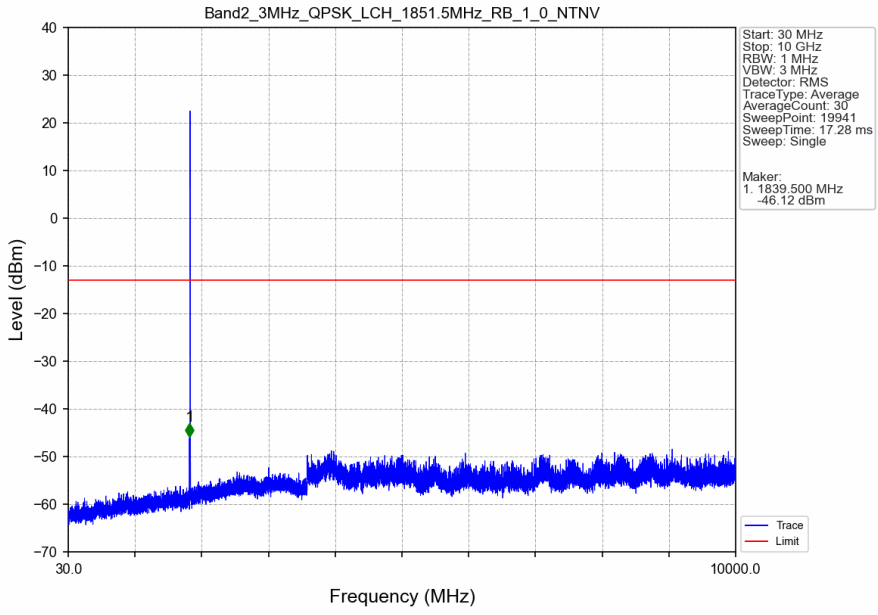
5.2.2 B2_3MHz

Band2_3MHz_QPSK_LCH_1851.5MHz_RB_1_0_NTNV

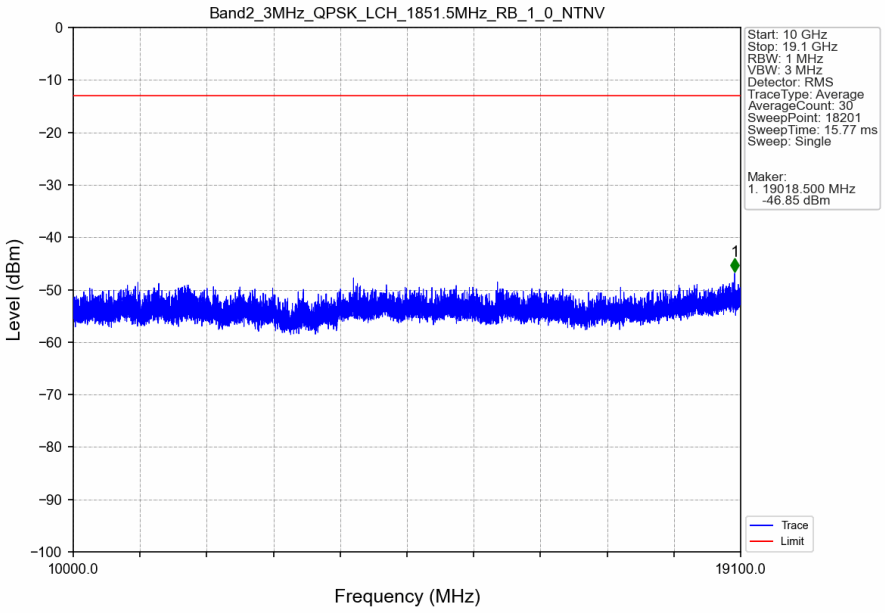


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1847	1849	1	CHP	1	1848.500	-41.47	-13	Pass
1849	1850	0.003	/	2	1849.998	-30.49	-13	Pass
1850	1853	0.003	/	/	/	/	/	/

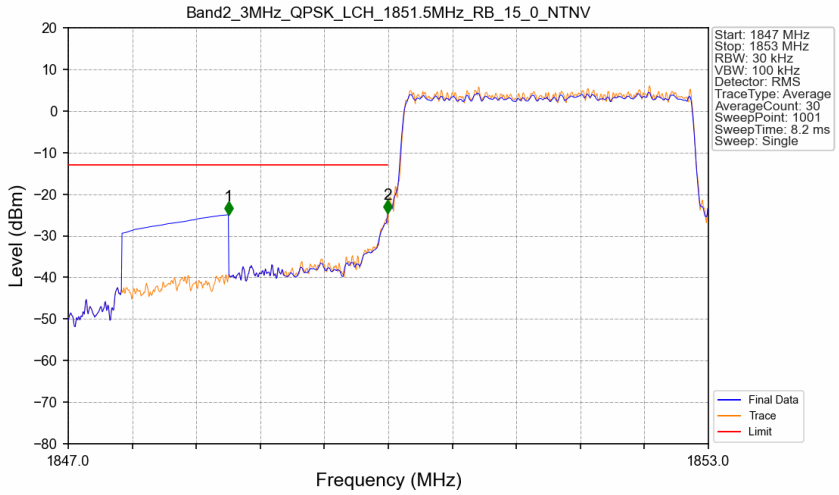
Band2_3MHz_QPSK_LCH_1851.5MHz_RB_1_0_NTNV



Band2_3MHz_QPSK_LCH_1851.5MHz_RB_1_0_NTNV

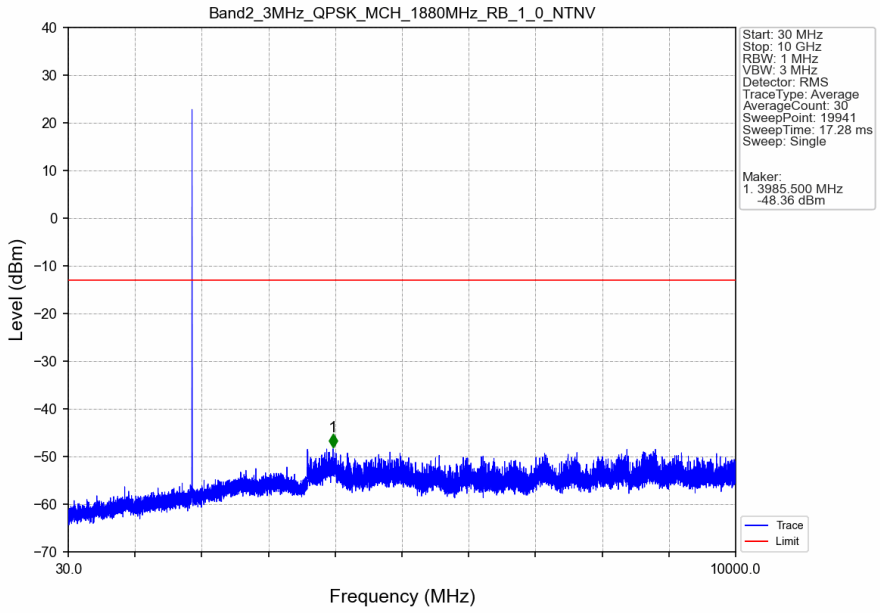


Band2_3MHz_QPSK_LCH_1851.5MHz_RB_15_0_NTNV

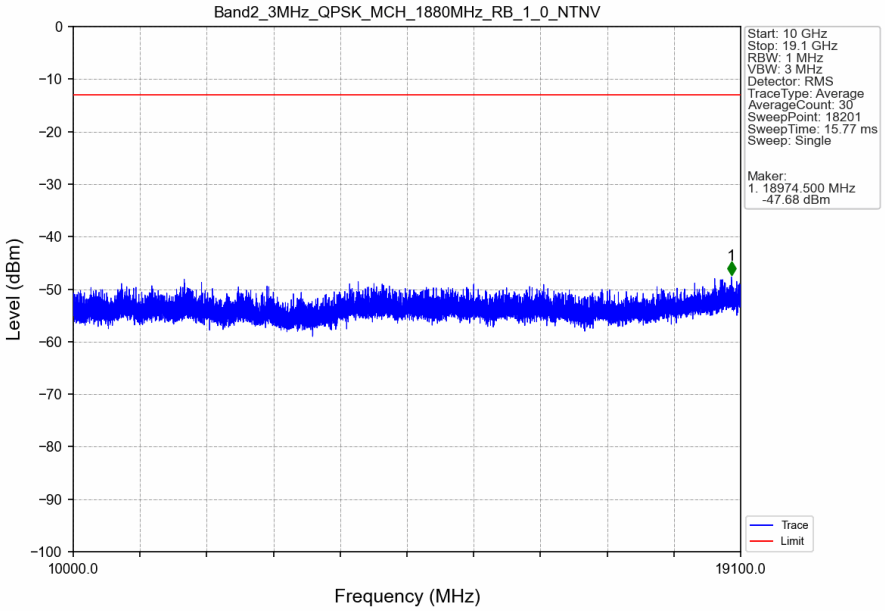


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1847	1849	1	CHP	1	1848.500	-24.96	-13	Pass
1849	1850	0.031	CHP	2	1849.994	-24.51	-13	Pass
1850	1853	0.031	CHP	/	/	/	/	/

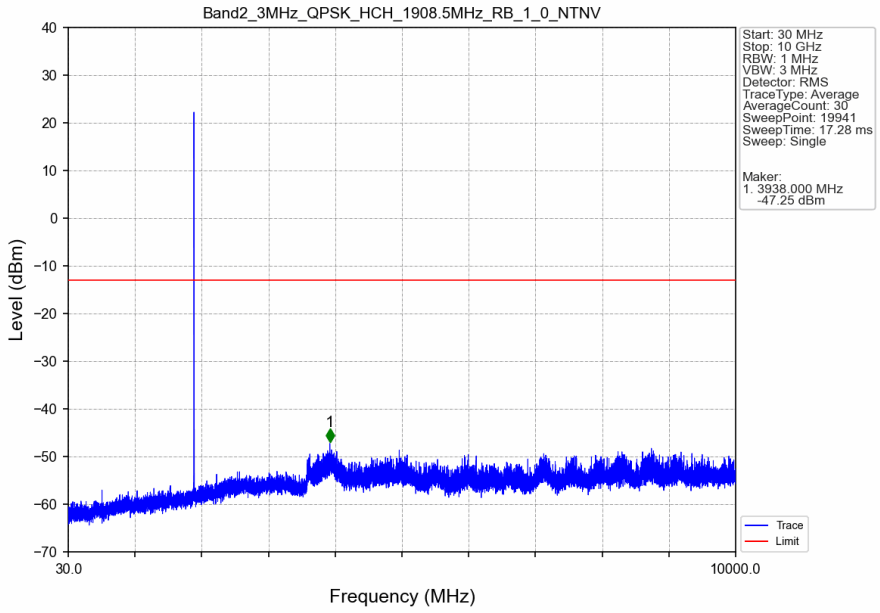
Band2_3MHz_QPSK_MCH_1880MHz_RB_1_0_NTNV



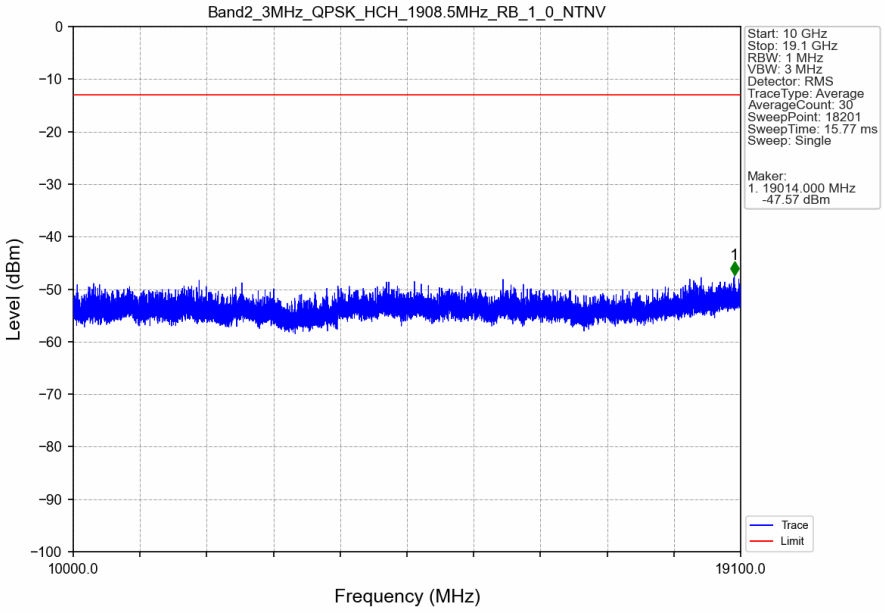
Band2_3MHz_QPSK_MCH_1880MHz_RB_1_0_NTNV



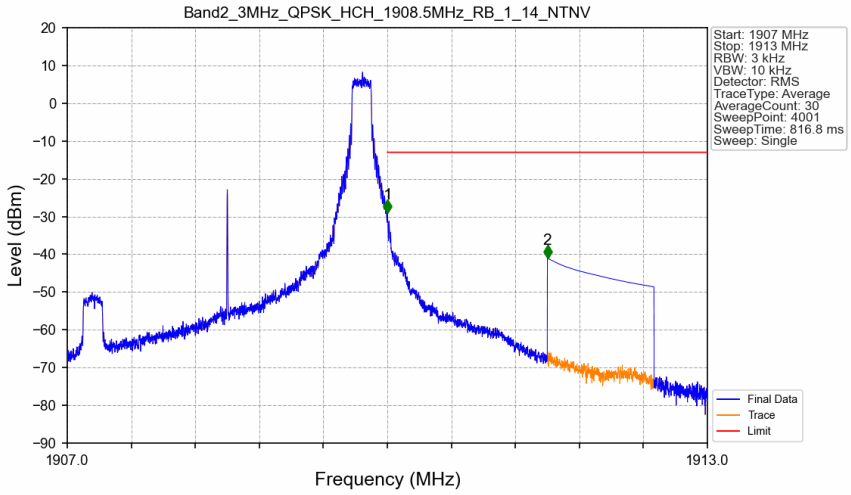
Band2_3MHz_QPSK_HCH_1908.5MHz_RB_1_0_NTNV



Band2_3MHz_QPSK_HCH_1908.5MHz_RB_1_0_NTNV

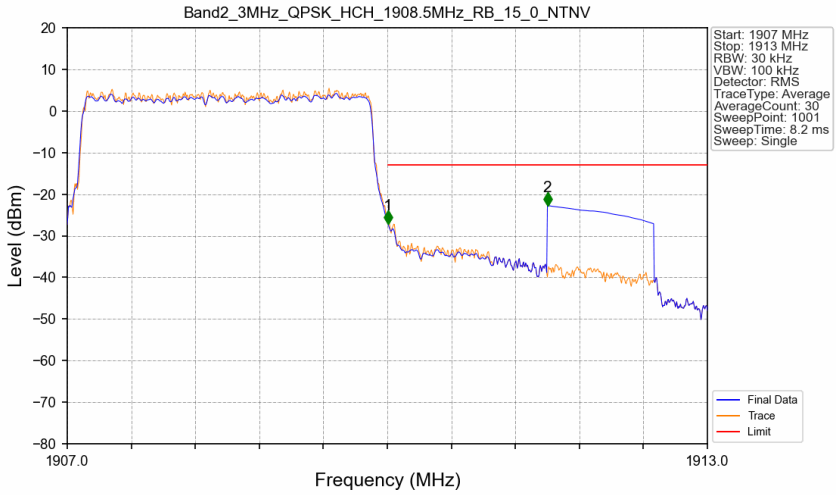


Band2_3MHz_QPSK_HCH_1908.5MHz_RB_1_14_NTNV



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	1910.002	-29.03	-13	Pass
1911	1913	1	CHP	2	1911.500	-41.03	-13	Pass

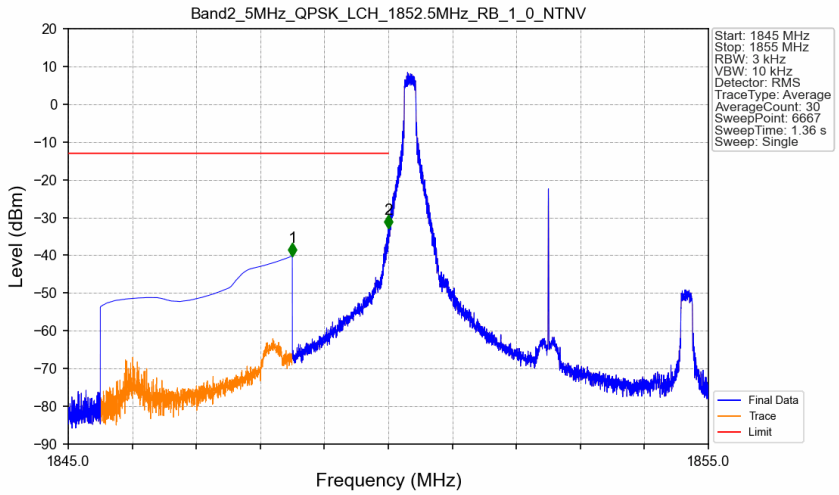
Band2_3MHz_QPSK_HCH_1908.5MHz_RB_15_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1907	1910	0.031	CHP	/	/	/	/	/
1910	1911	0.031	CHP	1	1910.006	-27.13	-13	Pass
1911	1913	1	CHP	2	1911.500	-22.72	-13	Pass

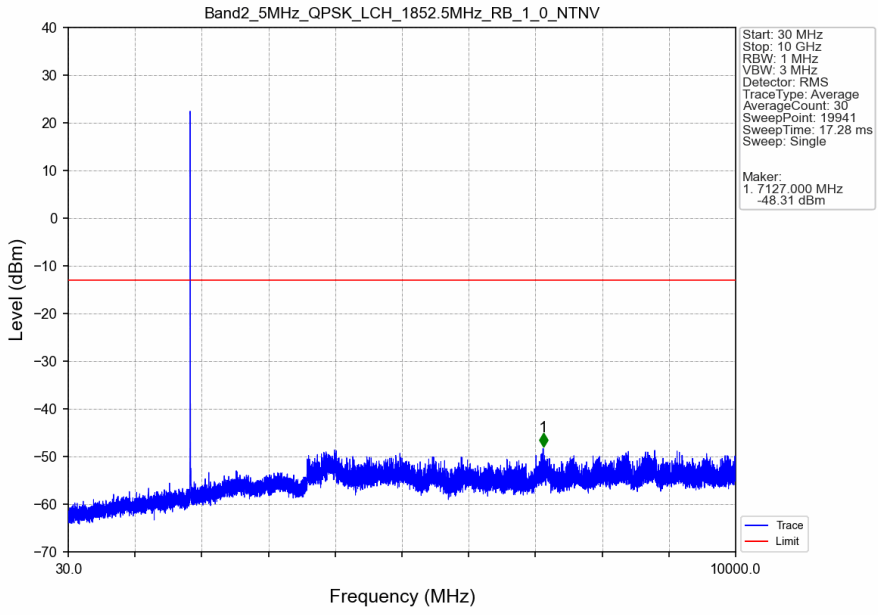
5.2.3 B2_5MHz

Band2_5MHz_QPSK_LCH_1852.5MHz_RB_1_0_NTNV

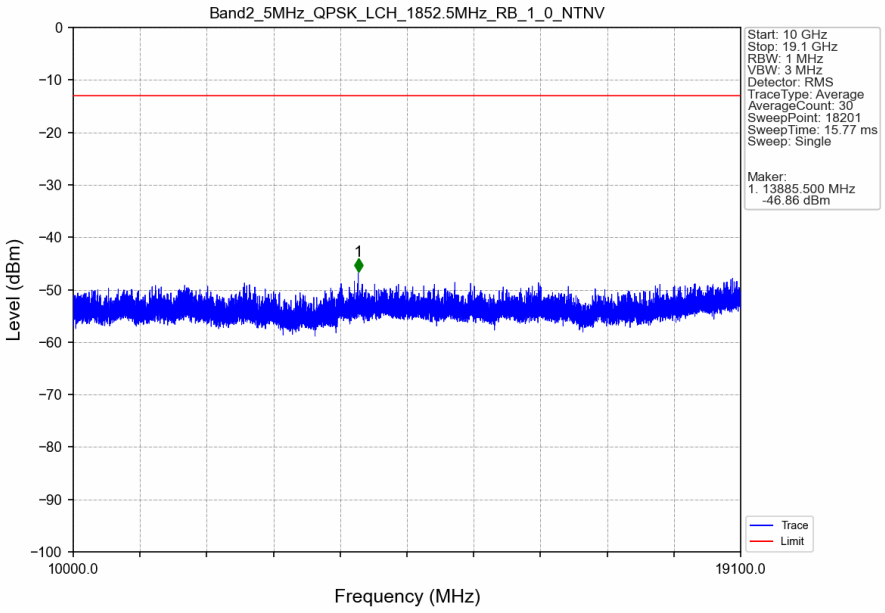


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1845	1849	1	CHP	1	1848.500	-40.16	-13	Pass
1849	1850	0.003	/	2	1849.998	-32.76	-13	Pass
1850	1855	0.003	/	/	/	/	/	/

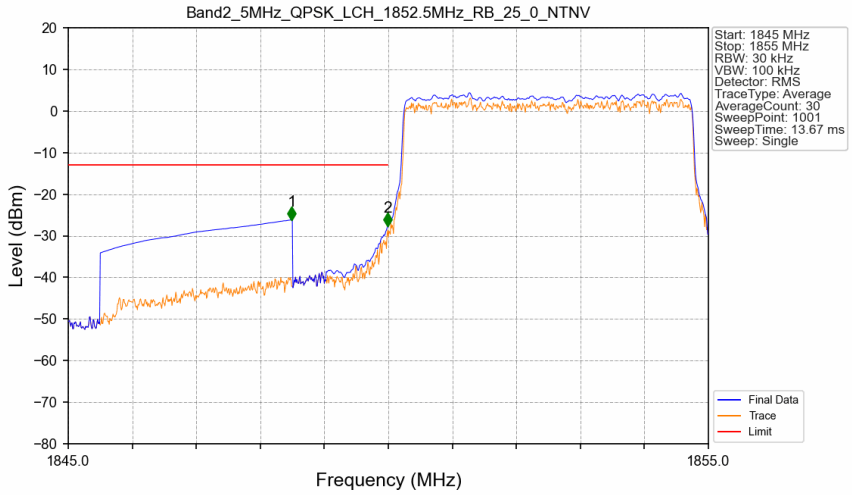
Band2_5MHz_QPSK_LCH_1852.5MHz_RB_1_0_NTNV



Band2_5MHz_QPSK_LCH_1852.5MHz_RB_1_0_NTNV

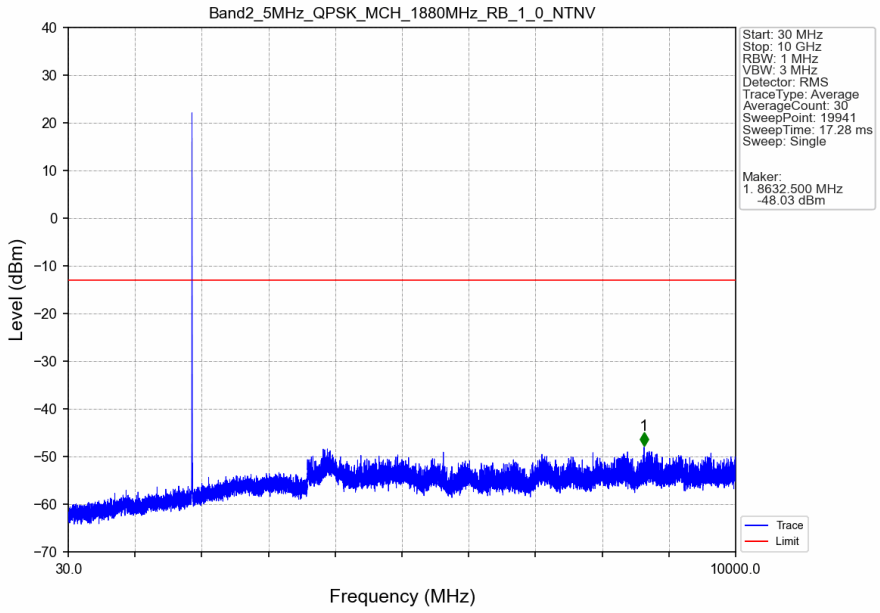


Band2_5MHz_QPSK_LCH_1852.5MHz_RB_25_0_NTNV

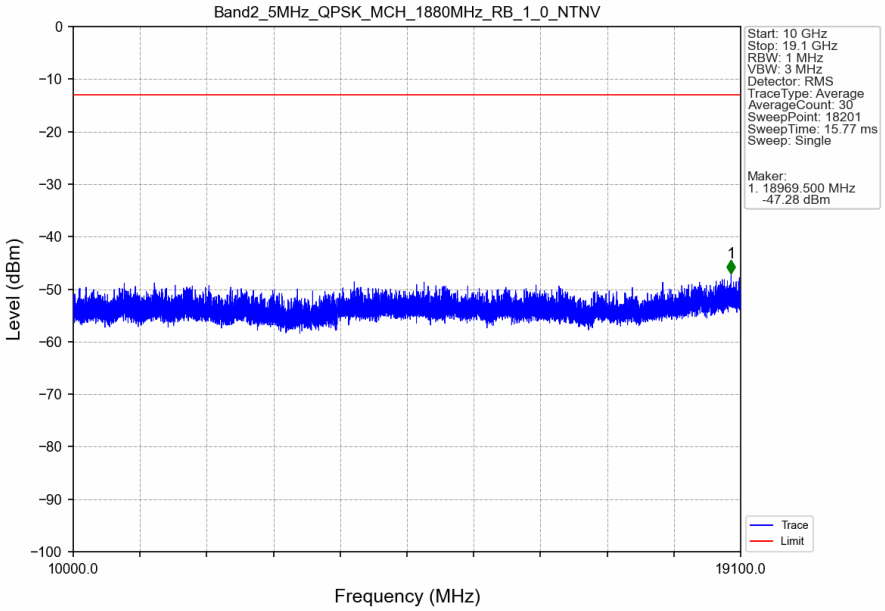


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1845	1849	1	CHP	1	1848.490	-26.15	-13	Pass
1849	1850	0.052	CHP	2	1849.990	-27.75	-13	Pass
1850	1855	0.052	CHP	/	/	/	/	/

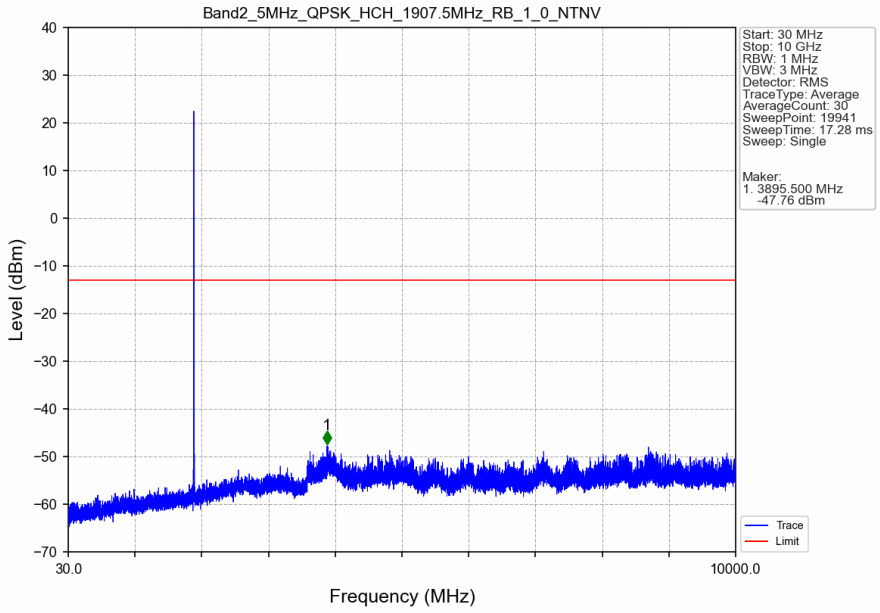
Band2_5MHz_QPSK_MCH_1880MHz_RB_1_0_NTNV



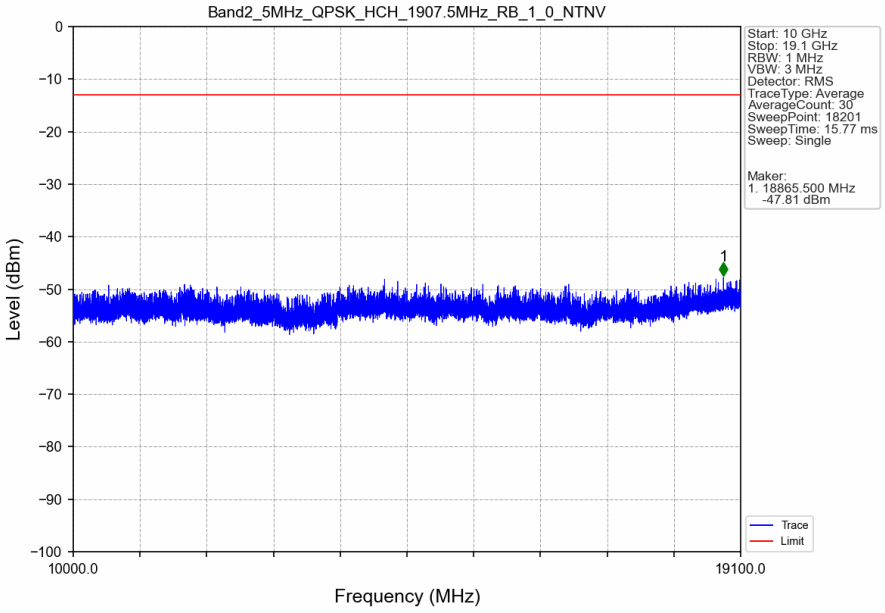
Band2_5MHz_QPSK_MCH_1880MHz_RB_1_0_NTNV



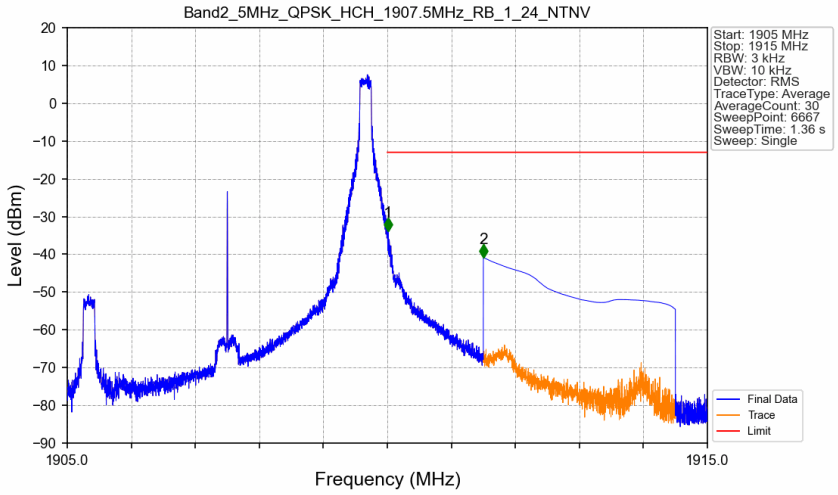
Band2_5MHz_QPSK_HCH_1907.5MHz_RB_1_0_NTNV



Band2_5MHz_QPSK_HCH_1907.5MHz_RB_1_0_NTNV

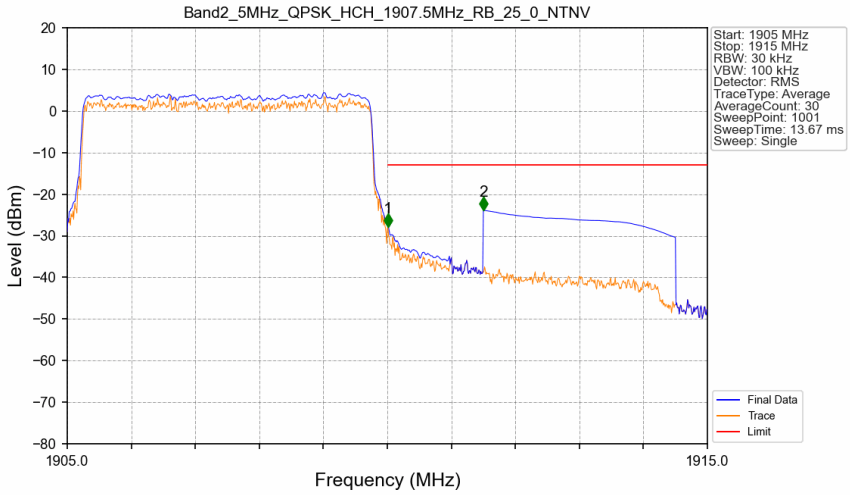


Band2_5MHz_QPSK_HCH_1907.5MHz_RB_1_24_NTNV



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	-33.89	-13	Pass
1911	1915	1	CHP	2	1911.500	-40.87	-13	Pass

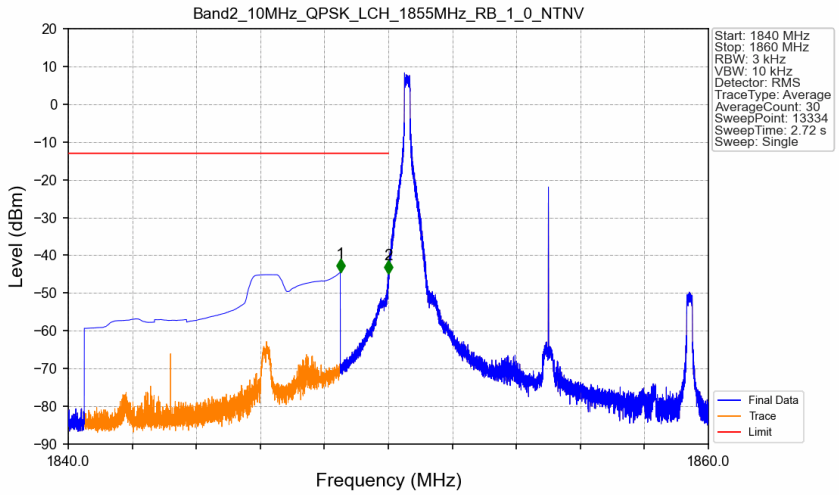
Band2_5MHz_QPSK_HCH_1907.5MHz_RB_25_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1905	1910	0.052	CHP	/	/	/	/	/
1910	1911	0.052	CHP	1	1910.010	-27.82	-13	Pass
1911	1915	1	CHP	2	1911.500	-23.84	-13	Pass

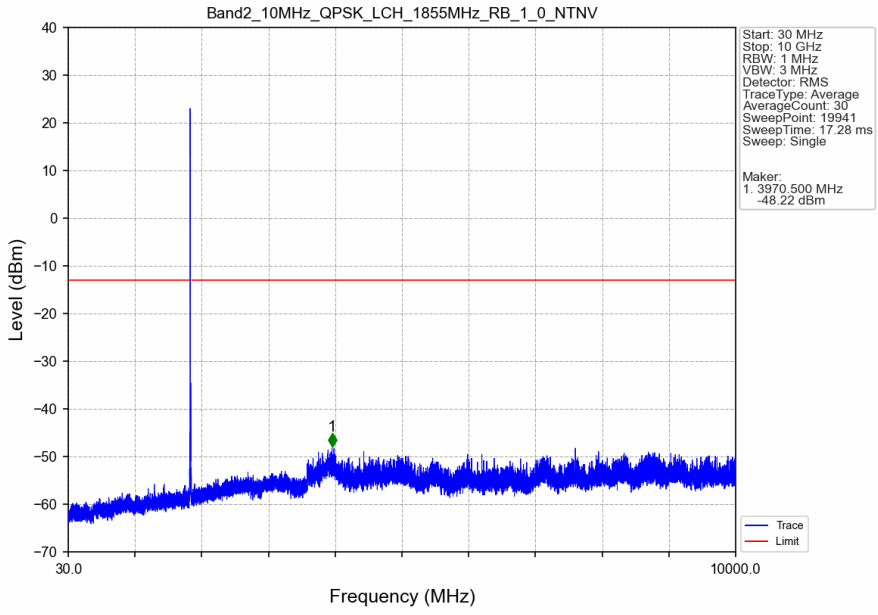
5.2.4 B2_10MHz

Band2_10MHz_QPSK_LCH_1855MHz_RB_1_0_NTNV

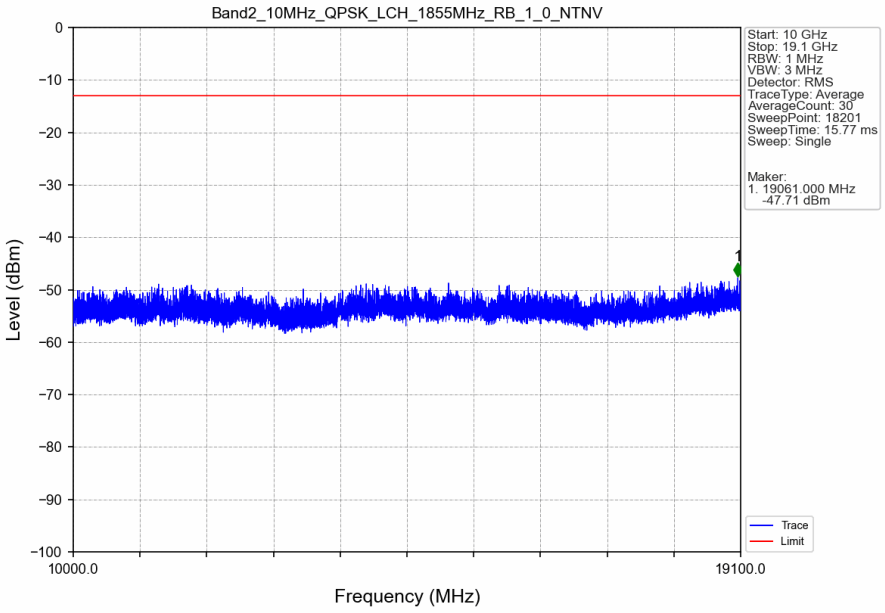


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1840	1849	1	CHP	1	1848.499	-44.51	-13	Pass
1849	1850	0.003	/	2	1849.998	-44.90	-13	Pass
1850	1860	0.003	/	/	/	/	/	/

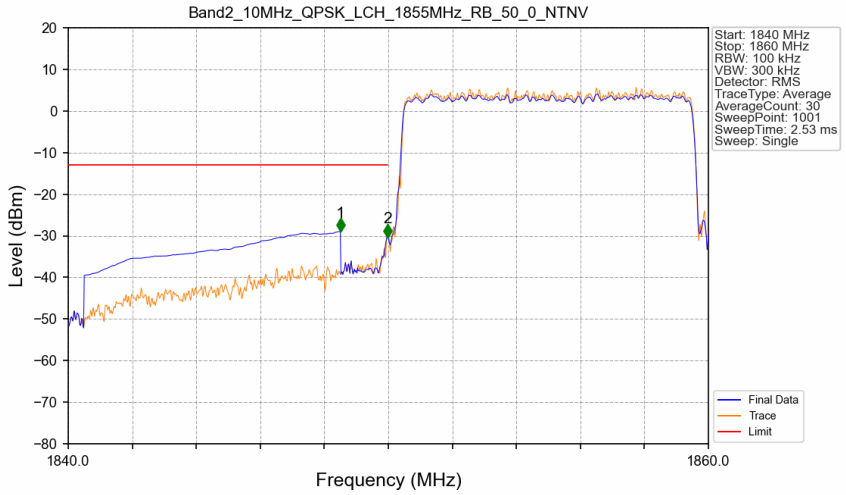
Band2_10MHz_QPSK_LCH_1855MHz_RB_1_0_NTNV



Band2_10MHz_QPSK_LCH_1855MHz_RB_1_0_NTNV

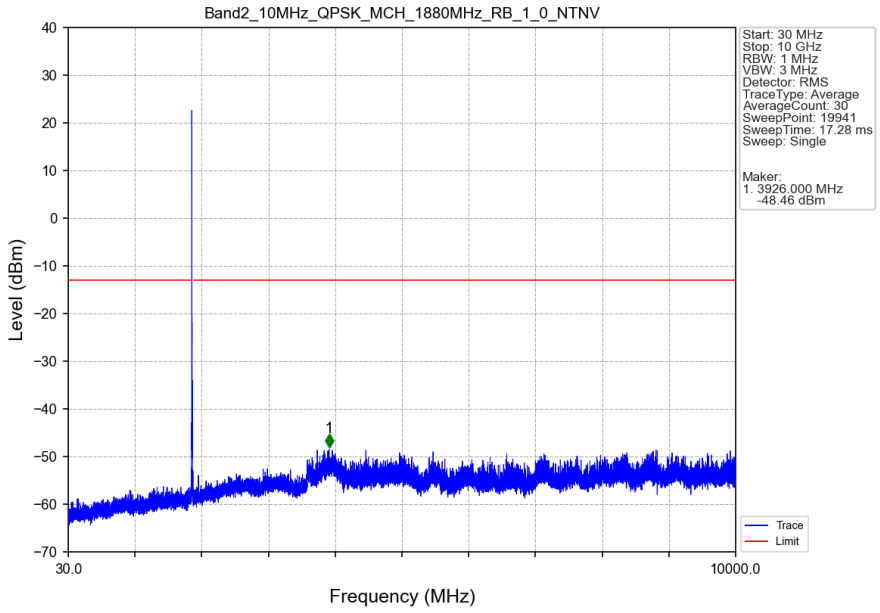


Band2_10MHz_QPSK_LCH_1855MHz_RB_50_0_NTNV

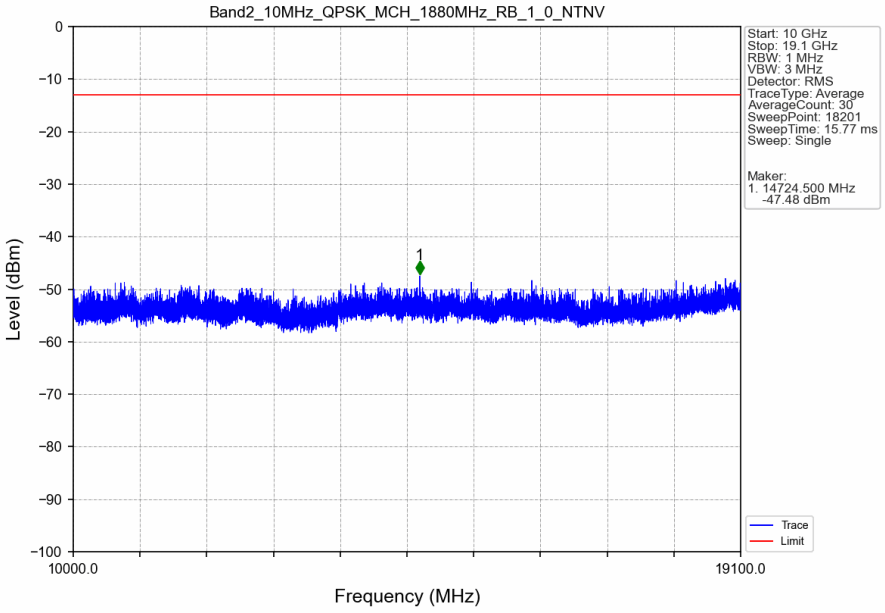


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1840	1849	1	CHP	1	1848.500	-28.94	-13	Pass
1849	1850	0.102	CHP	2	1849.980	-30.31	-13	Pass
1850	1860	0.102	CHP	/	/	/	/	/

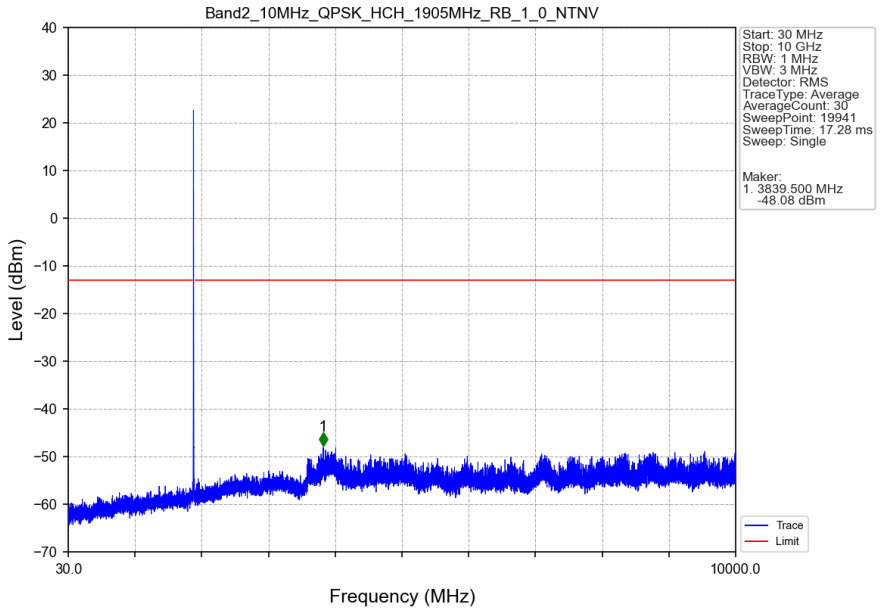
Band2_10MHz_QPSK_MCH_1880MHz_RB_1_0_NTNV



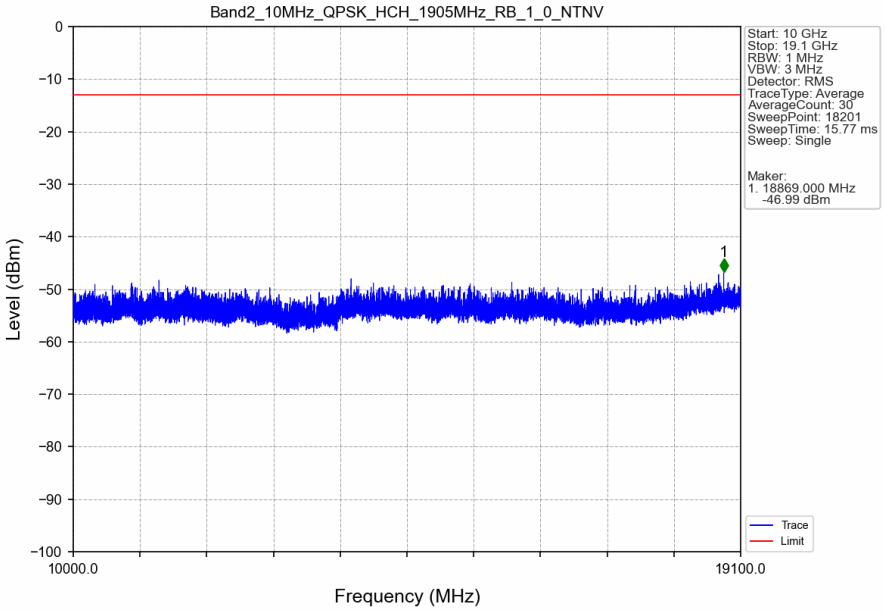
Band2_10MHz_QPSK_MCH_1880MHz_RB_1_0_NTNV



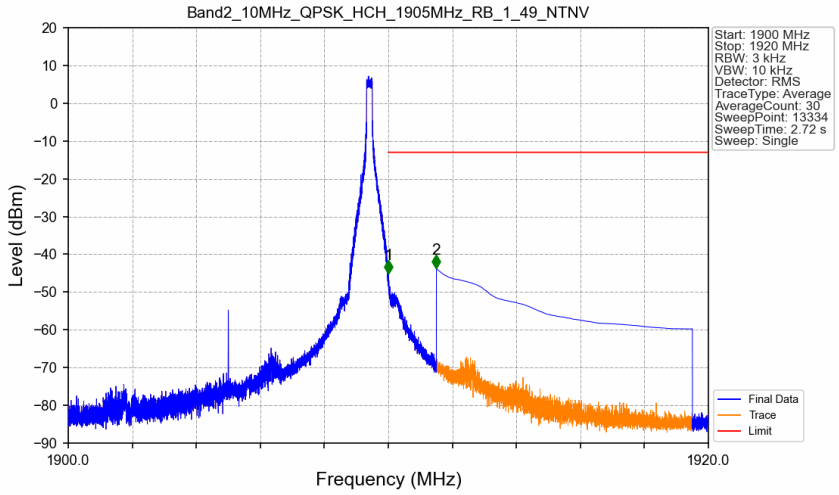
Band2_10MHz_QPSK_HCH_1905MHz_RB_1_0_NTNV



Band2_10MHz_QPSK_HCH_1905MHz_RB_1_0_NTNV

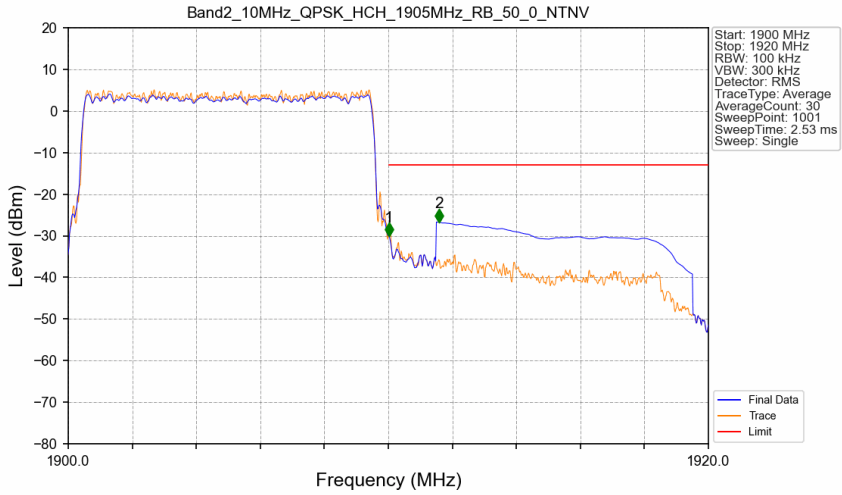


Band2_10MHz_QPSK_HCH_1905MHz_RB_1_49_NTNV



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	1910.004	-45.12	-13	Pass
1911	1920	1	CHP	2	1911.501	-43.73	-13	Pass

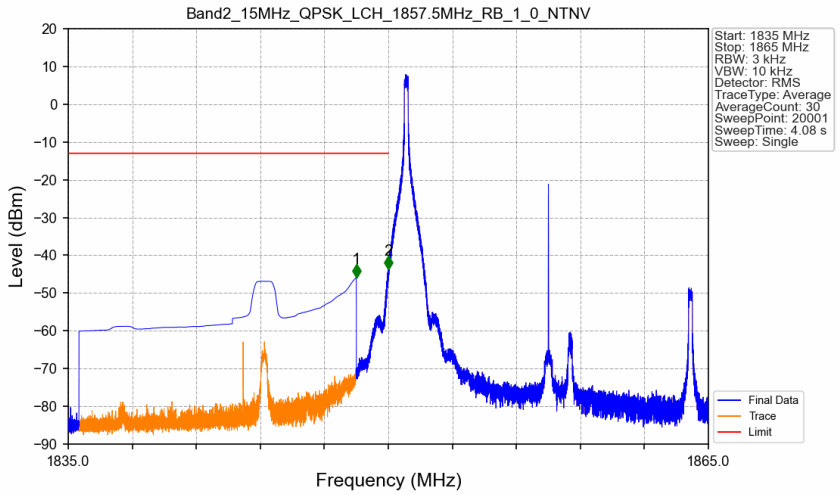
Band2_10MHz_QPSK_HCH_1905MHz_RB_50_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1900	1910	0.102	CHP	/	/	/	/	/
1910	1911	0.102	CHP	1	1910.020	-30.03	-13	Pass
1911	1920	1	CHP	2	1911.580	-26.67	-13	Pass

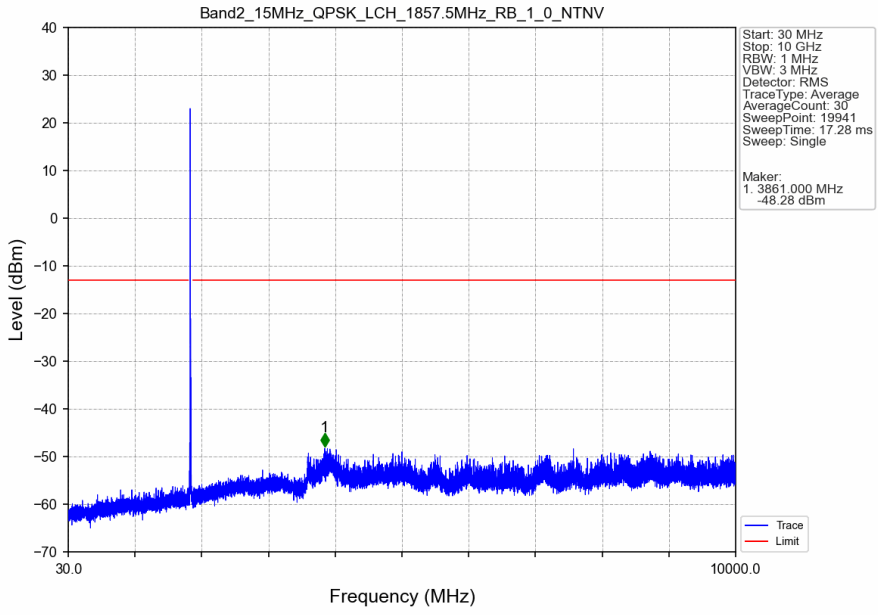
5.2.5 B2_15MHz

Band2_15MHz_QPSK_LCH_1857.5MHz_RB_1_0_NTNV

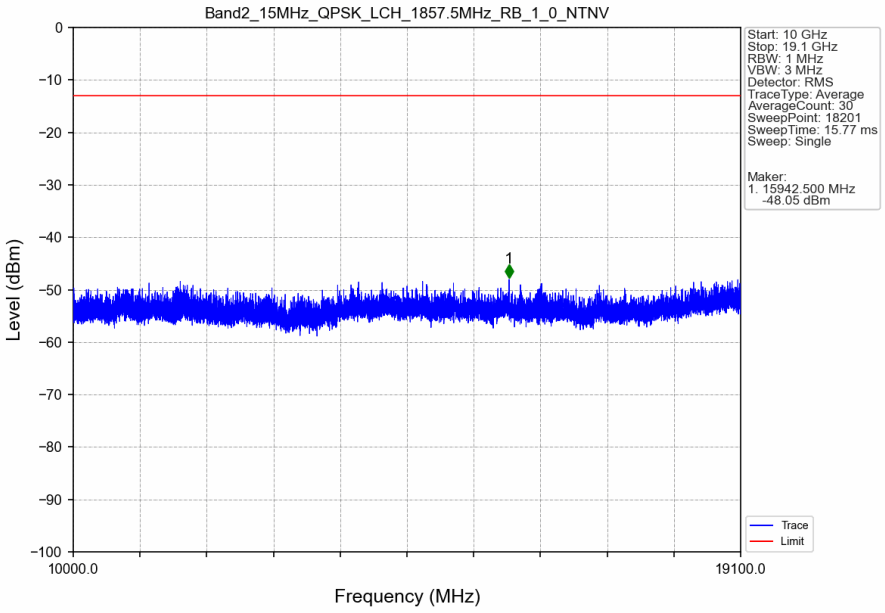


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1835	1849	1	CHP	1	1848.500	-45.89	-13	Pass
1849	1850	0.003	/	2	1849.995	-43.56	-13	Pass
1850	1865	0.003	/	/	/	/	/	/

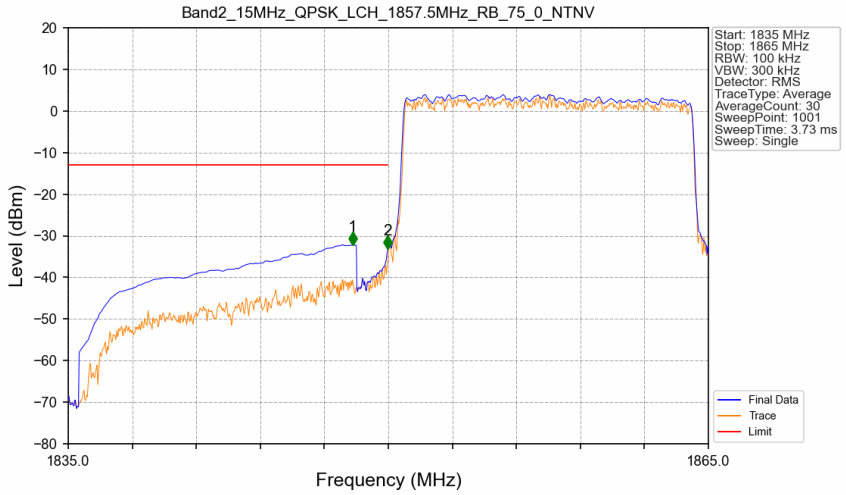
Band2_15MHz_QPSK_LCH_1857.5MHz_RB_1_0_NTNV



Band2_15MHz_QPSK_LCH_1857.5MHz_RB_1_0_NTNV

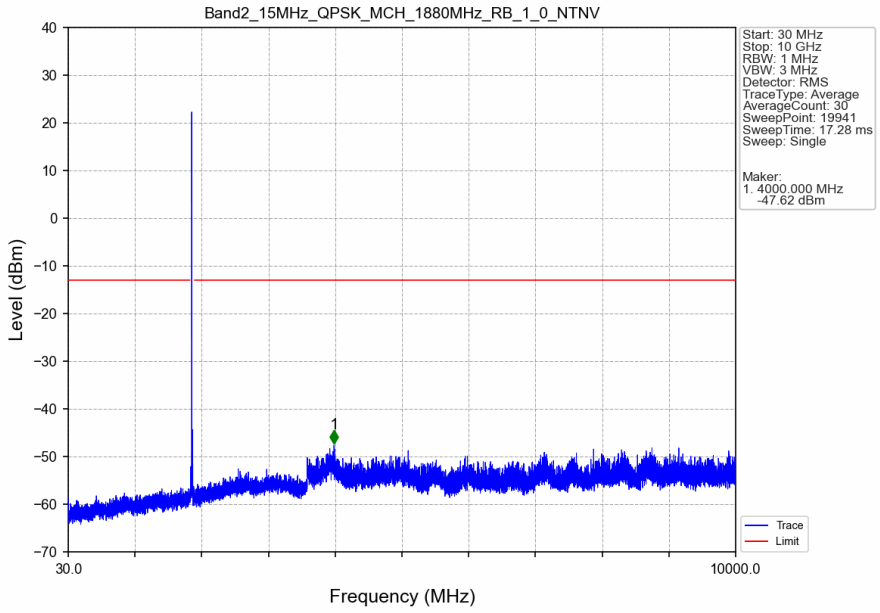


Band2_15MHz_QPSK_LCH_1857.5MHz_RB_75_0_NTNV

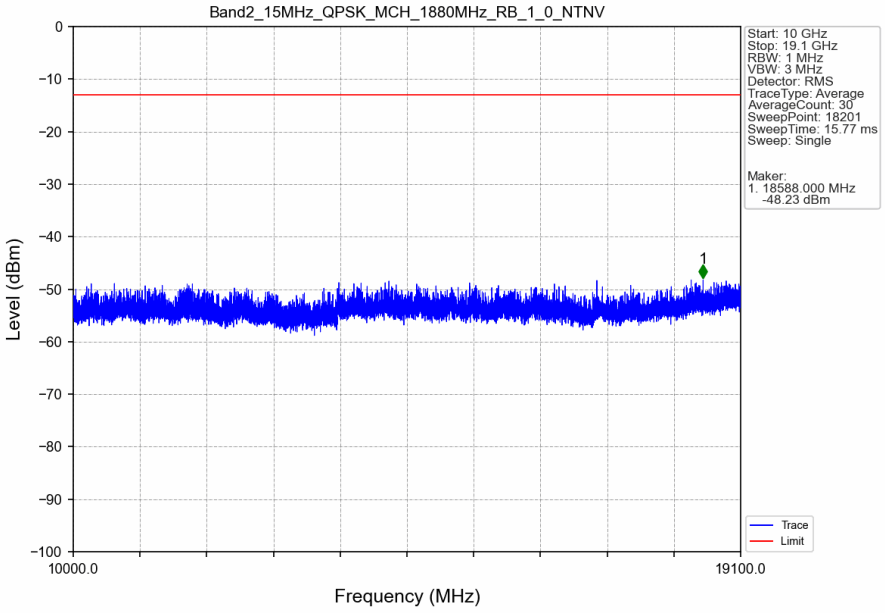


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1835	1849	1	CHP	1	1848.320	-32.17	-13	Pass
1849	1850	0.151	CHP	2	1849.970	-33.20	-13	Pass
1850	1865	0.151	CHP	/	/	/	/	/

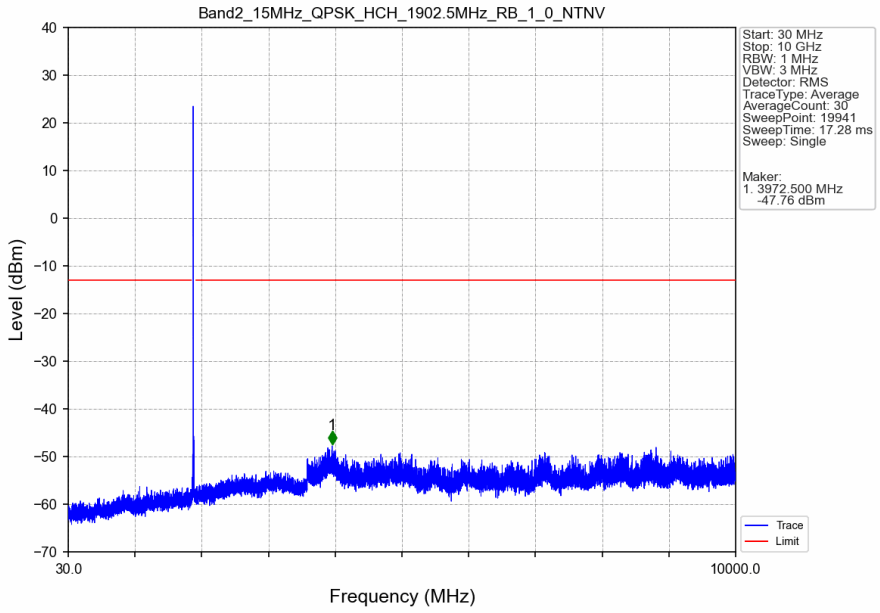
Band2_15MHz_QPSK_MCH_1880MHz_RB_1_0_NTNV



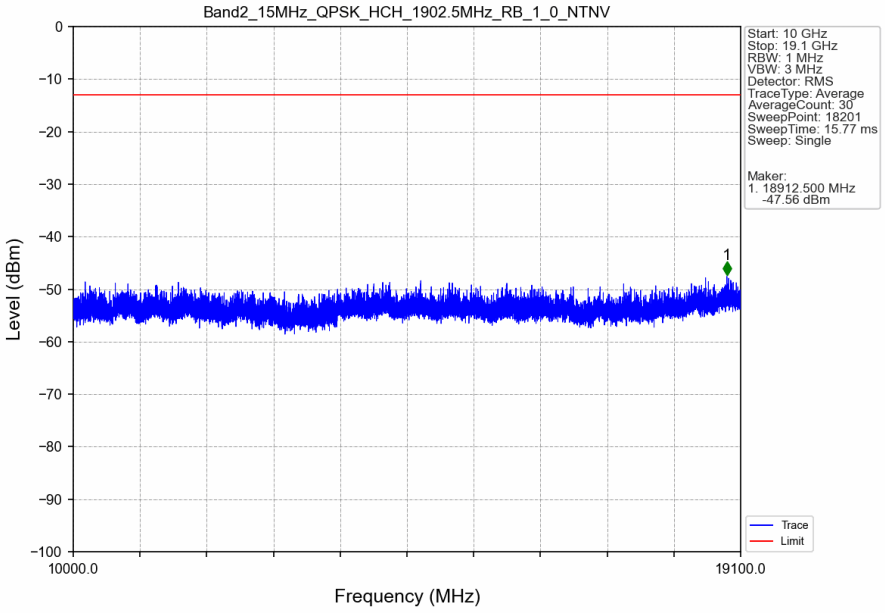
Band2_15MHz_QPSK_MCH_1880MHz_RB_1_0_NTNV



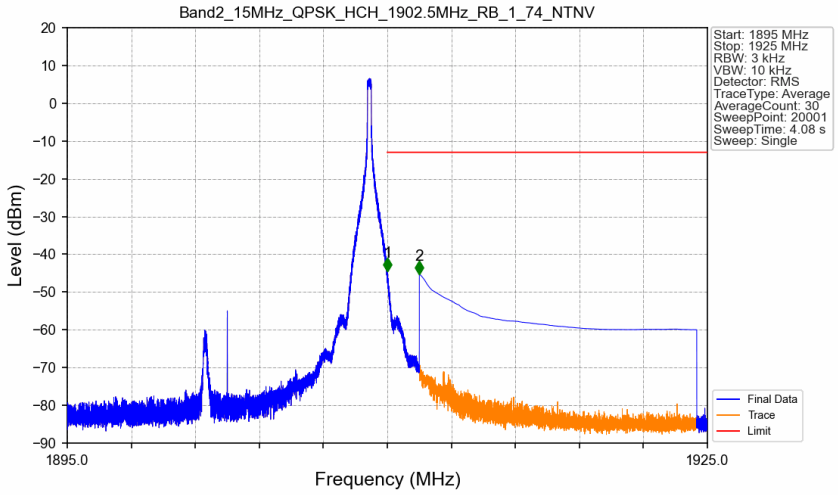
Band2_15MHz_QPSK_HCH_1902.5MHz_RB_1_0_NTNV



Band2_15MHz_QPSK_HCH_1902.5MHz_RB_1_0_NTNV

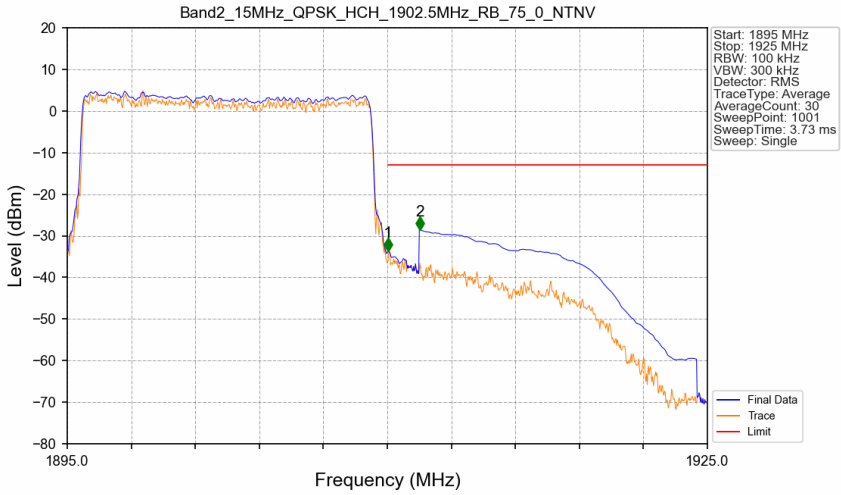


Band2_15MHz_QPSK_HCH_1902.5MHz_RB_1_74_NTNV



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	1910.006	-44.51	-13	Pass
1911	1925	1	CHP	2	1911.500	-45.25	-13	Pass

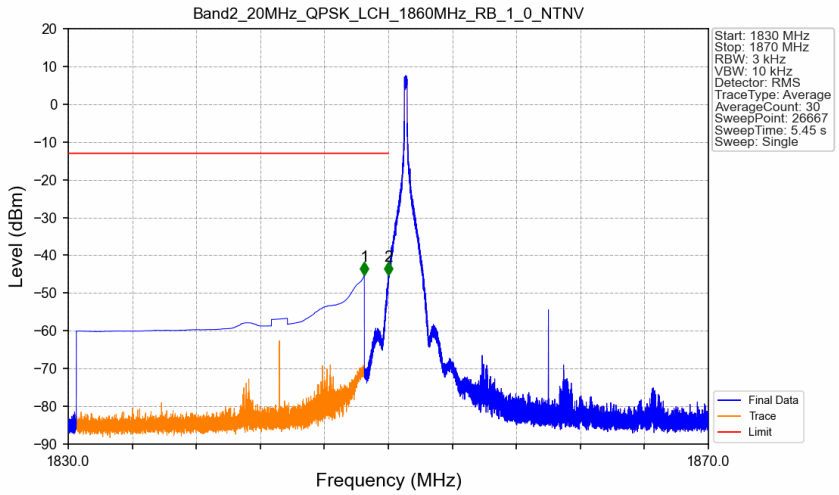
Band2_15MHz_QPSK_HCH_1902.5MHz_RB_75_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1895	1910	0.151	CHP	/	/	/	/	/
1910	1911	0.151	CHP	1	1910.030	-33.73	-13	Pass
1911	1925	1	CHP	2	1911.530	-28.59	-13	Pass

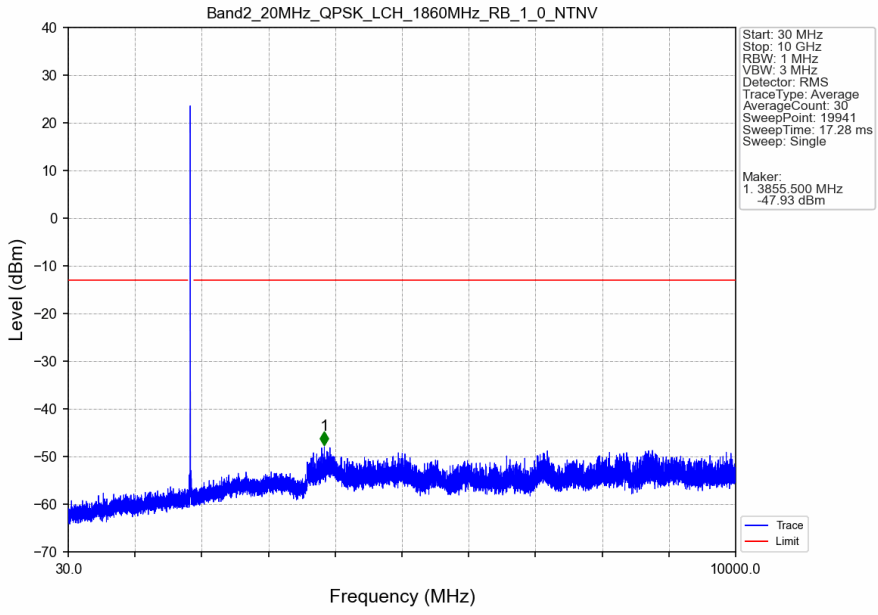
5.2.6 B2_20MHz

Band2_20MHz_QPSK_LCH_1860MHz_RB_1_0_NTNV

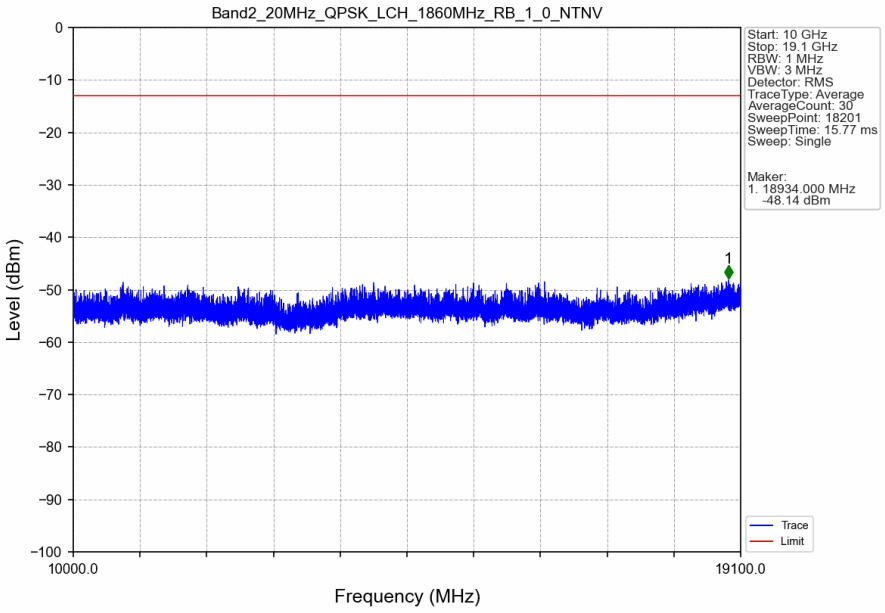


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1830	1849	1	CHP	1	1848.500	-45.23	-13	Pass
1849	1850	0.003	/	2	1849.993	-45.23	-13	Pass
1850	1870	0.003	/	/	/	/	/	/

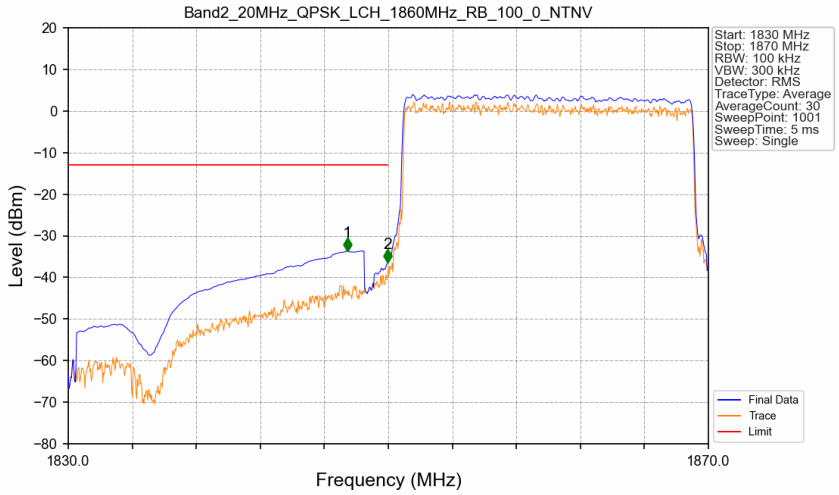
Band2_20MHz_QPSK_LCH_1860MHz_RB_1_0_NTNV



Band2_20MHz_QPSK_LCH_1860MHz_RB_1_0_NTNV

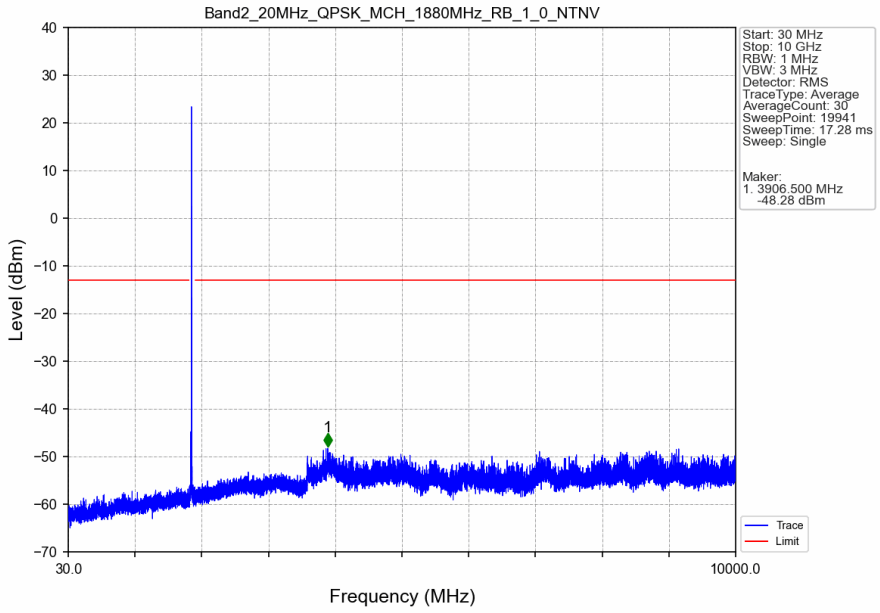


Band2_20MHz_QPSK_LCH_1860MHz_RB_100_0_NTNV

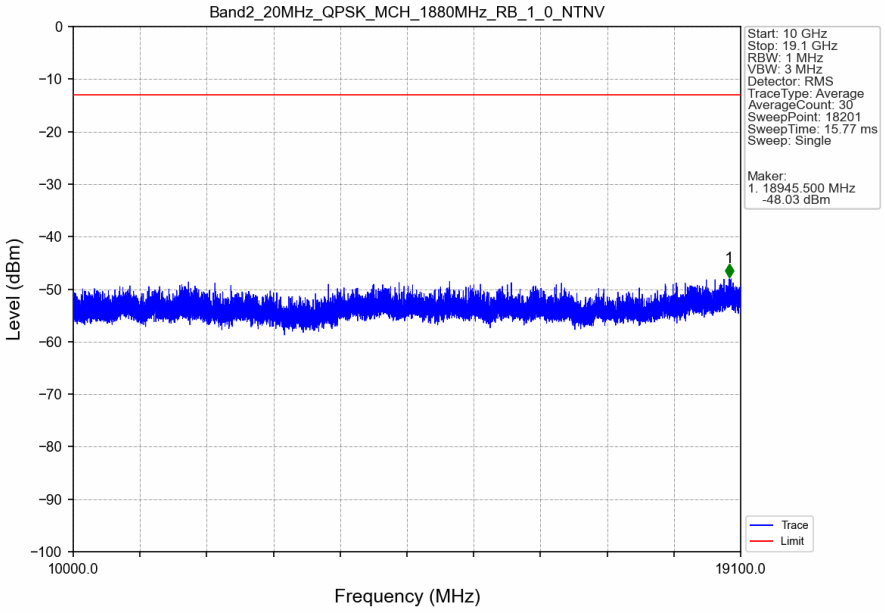


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1830	1849	1	CHP	1	1847.440	-33.60	-13	Pass
1849	1850	0.202	CHP	2	1849.960	-36.39	-13	Pass
1850	1870	0.202	CHP	/	/	/	/	/

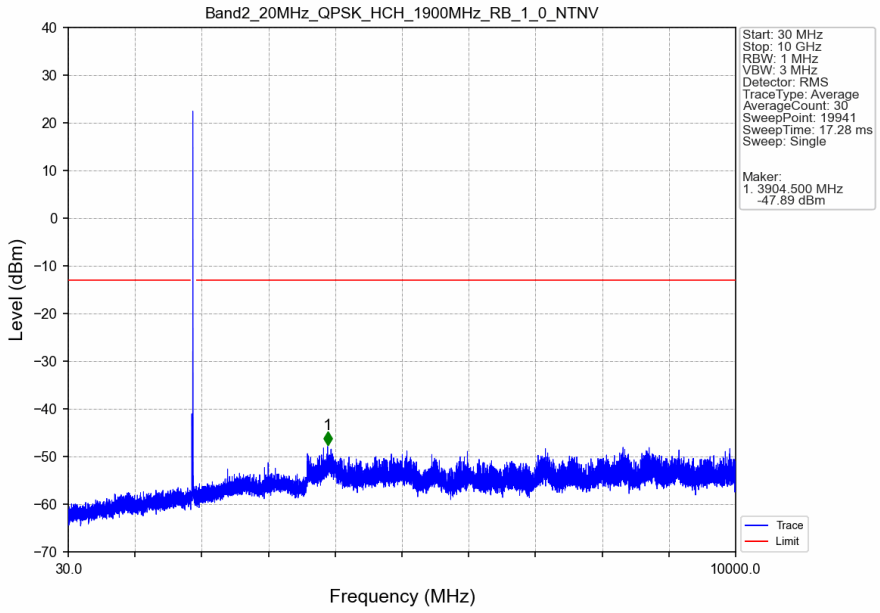
Band2_20MHz_QPSK_MCH_1880MHz_RB_1_0_NTNV



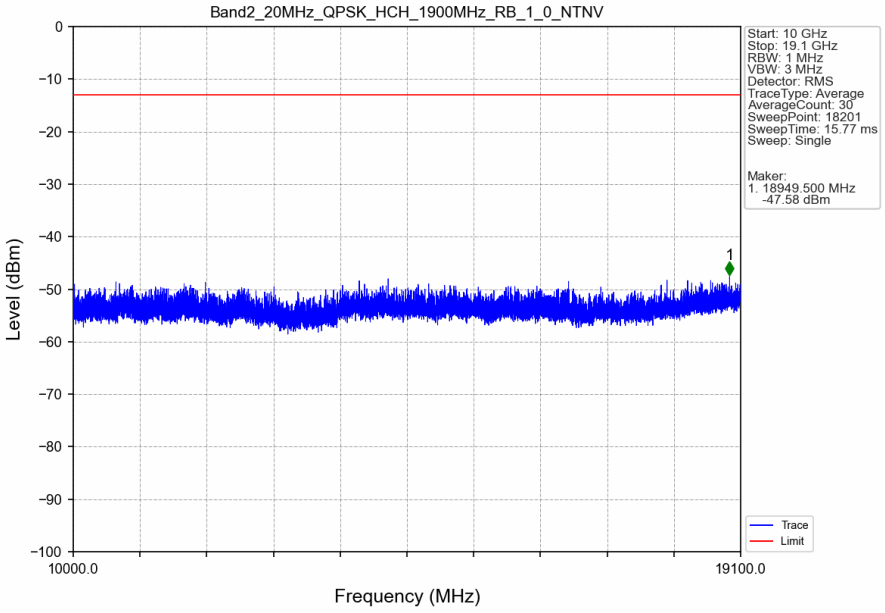
Band2_20MHz_QPSK_MCH_1880MHz_RB_1_0_NTNV



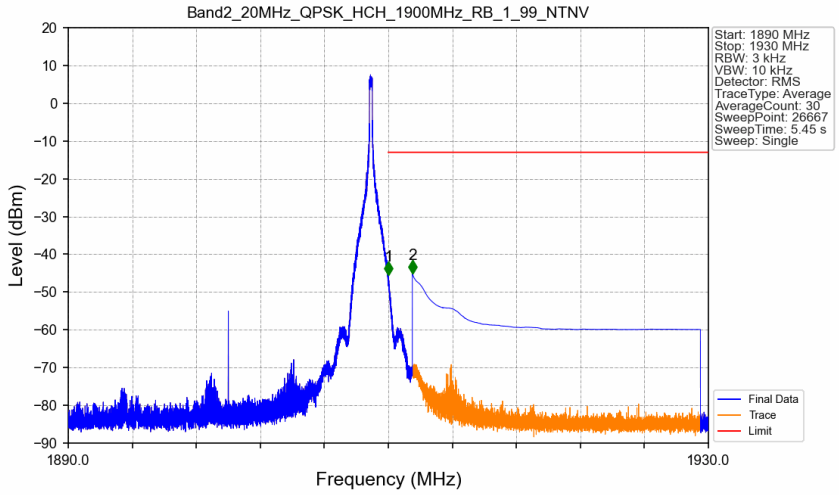
Band2_20MHz_QPSK_HCH_1900MHz_RB_1_0_NTNV



Band2_20MHz_QPSK_HCH_1900MHz_RB_1_0_NTNV

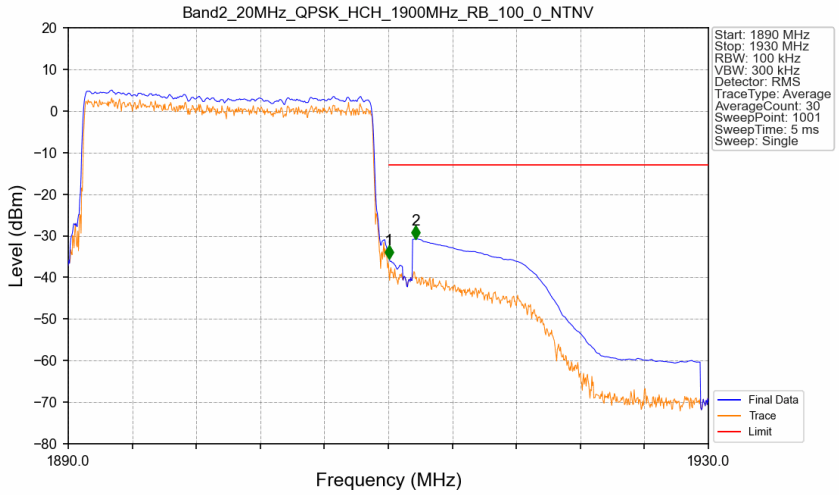


Band2_20MHz_QPSK_HCH_1900MHz_RB_1_99_NTNV



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	1910.007	-45.46	-13	Pass
1911	1930	1	CHP	2	1911.500	-45.13	-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	0.202	CHP	/	/	/	/	/
1910	1911	0.202	CHP	1	1910.040	-35.58	-13	Pass
1911	1930	1	CHP	2	1911.720	-30.76	-13	Pass

6. Field Strength of Spurious Radiation

LTE Band 2 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**
3702.0	-61.07	-13	-48.07	-65.93	3.58	8.44	Horizontal	Pass
5553.0	-62.72	-13	-49.72	-68.43	4.74	10.45	Horizontal	Pass
7404.0	-60.71	-13	-47.71	-67.39	4.94	11.62	Horizontal	Pass
3702.0	-66.42	-13	-53.42	-71.28	3.58	8.44	Vertical	Pass
5553.0	-62.61	-13	-49.61	-68.32	4.74	10.45	Vertical	Pass
7404.0	-60.55	-13	-47.55	-67.23	4.94	11.62	Vertical	Pass

LTE Band 2 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**
3742.0	-64.23	-13	-51.23	-69.11	3.61	8.49	Horizontal	Pass
5613.0	-62.39	-13	-49.39	-68.1	4.74	10.45	Horizontal	Pass
7484.0	-60.55	-13	-47.55	-67.33	4.94	11.72	Horizontal	Pass
3742.0	-66.09	-13	-53.09	-70.97	3.61	8.49	Vertical	Pass
5613.0	-62.2	-13	-49.2	-67.91	4.74	10.45	Vertical	Pass
7484.0	-60.07	-13	-47.07	-66.85	4.94	11.72	Vertical	Pass

LTE Band 2 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**
3782.0	-66.39	-13	-53.39	-71.29	3.65	8.55	Horizontal	Pass
5673.0	-62.66	-13	-49.66	-68.36	4.75	10.45	Horizontal	Pass
7564.0	-60.52	-13	-47.52	-67.39	4.95	11.82	Horizontal	Pass
3782.0	-66.91	-13	-53.91	-71.81	3.65	8.55	Vertical	Pass
5673.0	-62.75	-13	-49.75	-68.45	4.75	10.45	Vertical	Pass
7564.0	-60.5	-13	-47.5	-67.37	4.95	11.82	Vertical	Pass