

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 B2_1.4MHz_EIRP

Band: 2 / Bandwidth: 1.4MHz / NTV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1850.7	1	0	22.38	2.66	25.04	<=33.00	Pass
			2	22.48	2.66	25.14	<=33.00	Pass
			5	22.29	2.66	24.95	<=33.00	Pass
		3	0	22.38	2.66	25.04	<=33.00	Pass
			2	22.40	2.66	25.06	<=33.00	Pass
			3	22.33	2.66	24.99	<=33.00	Pass
		6	0	21.33	2.66	23.99	<=33.00	Pass
	1880	1	0	22.51	2.66	25.17	<=33.00	Pass
			2	22.64	2.66	25.30	<=33.00	Pass
			5	22.57	2.66	25.23	<=33.00	Pass
		3	0	22.38	2.66	25.04	<=33.00	Pass
			2	22.46	2.66	25.12	<=33.00	Pass
			3	22.35	2.66	25.01	<=33.00	Pass
	6	0	21.44	2.66	24.10	<=33.00	Pass	
	1909.3	1	0	22.42	2.66	25.08	<=33.00	Pass
			2	22.39	2.66	25.05	<=33.00	Pass
			5	22.37	2.66	25.03	<=33.00	Pass
		3	0	22.41	2.66	25.07	<=33.00	Pass
			2	22.39	2.66	25.05	<=33.00	Pass
			3	22.30	2.66	24.96	<=33.00	Pass
		6	0	21.32	2.66	23.98	<=33.00	Pass
16QAM	1850.7	1	0	21.24	2.66	23.90	<=33.00	Pass
			2	20.96	2.66	23.62	<=33.00	Pass
			5	20.83	2.66	23.49	<=33.00	Pass
		3	0	21.24	2.66	23.90	<=33.00	Pass
			2	21.41	2.66	24.07	<=33.00	Pass
			3	21.18	2.66	23.84	<=33.00	Pass
		6	0	20.04	2.66	22.70	<=33.00	Pass
	1880	1	0	21.62	2.66	24.28	<=33.00	Pass
			2	21.60	2.66	24.26	<=33.00	Pass
			5	21.50	2.66	24.16	<=33.00	Pass
		3	0	21.44	2.66	24.10	<=33.00	Pass
			2	21.50	2.66	24.16	<=33.00	Pass
			3	21.31	2.66	23.97	<=33.00	Pass
	6	0	20.28	2.66	22.94	<=33.00	Pass	
	1909.3	1	0	21.24	2.66	23.90	<=33.00	Pass
			2	21.09	2.66	23.75	<=33.00	Pass
			5	21.24	2.66	23.90	<=33.00	Pass
		3	0	21.22	2.66	23.88	<=33.00	Pass
			2	21.28	2.66	23.94	<=33.00	Pass
			3	21.32	2.66	23.98	<=33.00	Pass
		6	0	20.14	2.66	22.80	<=33.00	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	22.28	2.66	24.94	<=33.00	Pass	
			7	22.32	2.66	24.98	<=33.00	Pass	
			14	22.19	2.66	24.85	<=33.00	Pass	
		8	0	21.25	2.66	23.91	<=33.00	Pass	
			4	21.25	2.66	23.91	<=33.00	Pass	
			7	21.19	2.66	23.85	<=33.00	Pass	
		15	0	21.18	2.66	23.84	<=33.00	Pass	
		1880	1	0	22.49	2.66	25.15	<=33.00	Pass
				7	22.66	2.66	25.32	<=33.00	Pass
	14			22.51	2.66	25.17	<=33.00	Pass	
	8		0	21.35	2.66	24.01	<=33.00	Pass	
			4	21.42	2.66	24.08	<=33.00	Pass	
			7	21.52	2.66	24.18	<=33.00	Pass	
	15	0	21.36	2.66	24.02	<=33.00	Pass		
	1908.5	1	0	22.45	2.66	25.11	<=33.00	Pass	
			7	22.38	2.66	25.04	<=33.00	Pass	
			14	22.51	2.66	25.17	<=33.00	Pass	
		8	0	21.22	2.66	23.88	<=33.00	Pass	
			4	21.18	2.66	23.84	<=33.00	Pass	
			7	21.16	2.66	23.82	<=33.00	Pass	
		15	0	21.25	2.66	23.91	<=33.00	Pass	
16QAM		1851.5	1	0	21.05	2.66	23.71	<=33.00	Pass
				7	21.02	2.66	23.68	<=33.00	Pass
	14			20.87	2.66	23.53	<=33.00	Pass	
	8		0	20.28	2.66	22.94	<=33.00	Pass	
			4	20.28	2.66	22.94	<=33.00	Pass	
			7	20.31	2.66	22.97	<=33.00	Pass	
	15		0	20.10	2.66	22.76	<=33.00	Pass	
	1880	1	0	21.39	2.66	24.05	<=33.00	Pass	
			7	21.40	2.66	24.06	<=33.00	Pass	
			14	21.22	2.66	23.88	<=33.00	Pass	
		8	0	20.37	2.66	23.03	<=33.00	Pass	
			4	20.30	2.66	22.96	<=33.00	Pass	
			7	20.15	2.66	22.81	<=33.00	Pass	
	15	0	20.46	2.66	23.12	<=33.00	Pass		
	1908.5	1	0	21.22	2.66	23.88	<=33.00	Pass	
			7	20.78	2.66	23.44	<=33.00	Pass	
			14	20.88	2.66	23.54	<=33.00	Pass	
		8	0	20.15	2.66	22.81	<=33.00	Pass	
			4	20.17	2.66	22.83	<=33.00	Pass	
			7	20.26	2.66	22.92	<=33.00	Pass	
		15	0	20.29	2.66	22.95	<=33.00	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	22.06	2.66	24.72	<=33.00	Pass
			13	22.28	2.66	24.94	<=33.00	Pass
			24	22.06	2.66	24.72	<=33.00	Pass
		12	0	21.19	2.66	23.85	<=33.00	Pass
			6	21.27	2.66	23.93	<=33.00	Pass
			13	21.17	2.66	23.83	<=33.00	Pass

	1880	25	0	21.23	2.66	23.89	<=33.00	Pass
		1	0	22.48	2.66	25.14	<=33.00	Pass
			13	22.35	2.66	25.01	<=33.00	Pass
			24	21.89	2.66	24.55	<=33.00	Pass
			0	21.23	2.66	23.89	<=33.00	Pass
		12	6	21.36	2.66	24.02	<=33.00	Pass
			13	21.31	2.66	23.97	<=33.00	Pass
			25	0	21.33	2.66	23.99	<=33.00
		1907.5	1	0	22.04	2.66	24.70	<=33.00
	13			22.42	2.66	25.08	<=33.00	Pass
	24			22.30	2.66	24.96	<=33.00	Pass
	12		0	21.30	2.66	23.96	<=33.00	Pass
			6	21.32	2.66	23.98	<=33.00	Pass
			13	21.14	2.66	23.80	<=33.00	Pass
	25		0	21.26	2.66	23.92	<=33.00	Pass
16QAM	1852.5	1	0	20.72	2.66	23.38	<=33.00	Pass
			13	20.67	2.66	23.33	<=33.00	Pass
			24	20.70	2.66	23.36	<=33.00	Pass
		12	0	19.93	2.66	22.59	<=33.00	Pass
			6	20.05	2.66	22.71	<=33.00	Pass
			13	19.94	2.66	22.60	<=33.00	Pass
		25	0	19.99	2.66	22.65	<=33.00	Pass
	1880	1	0	21.09	2.66	23.75	<=33.00	Pass
			13	21.06	2.66	23.72	<=33.00	Pass
			24	20.99	2.66	23.65	<=33.00	Pass
		12	0	20.11	2.66	22.77	<=33.00	Pass
			6	20.17	2.66	22.83	<=33.00	Pass
			13	20.16	2.66	22.82	<=33.00	Pass
		25	0	20.17	2.66	22.83	<=33.00	Pass
	1907.5	1	0	21.17	2.66	23.83	<=33.00	Pass
			13	21.09	2.66	23.75	<=33.00	Pass
			24	20.80	2.66	23.46	<=33.00	Pass
		12	0	20.17	2.66	22.83	<=33.00	Pass
			6	20.27	2.66	22.93	<=33.00	Pass
			13	20.11	2.66	22.77	<=33.00	Pass
		25	0	20.40	2.66	23.06	<=33.00	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	22.14	2.66	24.80	<=33.00	Pass
			25	22.22	2.66	24.88	<=33.00	Pass
			49	22.10	2.66	24.76	<=33.00	Pass
		25	0	20.98	2.66	23.64	<=33.00	Pass
			13	21.04	2.66	23.70	<=33.00	Pass
			25	20.93	2.66	23.59	<=33.00	Pass
		50	0	20.99	2.66	23.65	<=33.00	Pass
	1880	1	0	22.49	2.66	25.15	<=33.00	Pass
			25	22.52	2.66	25.18	<=33.00	Pass
			49	22.49	2.66	25.15	<=33.00	Pass
		25	0	21.38	2.66	24.04	<=33.00	Pass
			13	21.46	2.66	24.12	<=33.00	Pass
			25	21.31	2.66	23.97	<=33.00	Pass
		50	0	21.36	2.66	24.02	<=33.00	Pass

	1905	1	0	22.50	2.66	25.16	<=33.00	Pass		
			25	22.77	2.66	25.43	<=33.00	Pass		
			49	22.35	2.66	25.01	<=33.00	Pass		
		25	0	21.37	2.66	24.03	<=33.00	Pass		
			13	21.28	2.66	23.94	<=33.00	Pass		
			25	21.21	2.66	23.87	<=33.00	Pass		
		50	0	21.38	2.66	24.04	<=33.00	Pass		
		16QAM	1855	1	0	21.00	2.66	23.66	<=33.00	Pass
					25	21.18	2.66	23.84	<=33.00	Pass
49	20.87				2.66	23.53	<=33.00	Pass		
25	0			20.16	2.66	22.82	<=33.00	Pass		
	13			20.31	2.66	22.97	<=33.00	Pass		
	25			20.27	2.66	22.93	<=33.00	Pass		
50	0			20.01	2.66	22.67	<=33.00	Pass		
1880	1			0	21.11	2.66	23.77	<=33.00	Pass	
				25	21.24	2.66	23.90	<=33.00	Pass	
			49	21.09	2.66	23.75	<=33.00	Pass		
	25		0	20.52	2.66	23.18	<=33.00	Pass		
			13	20.60	2.66	23.26	<=33.00	Pass		
			25	20.57	2.66	23.23	<=33.00	Pass		
	50		0	20.29	2.66	22.95	<=33.00	Pass		
	1905		1	0	21.19	2.66	23.85	<=33.00	Pass	
				25	21.24	2.66	23.90	<=33.00	Pass	
49				20.98	2.66	23.64	<=33.00	Pass		
25			0	20.53	2.66	23.19	<=33.00	Pass		
			13	20.52	2.66	23.18	<=33.00	Pass		
			25	20.45	2.66	23.11	<=33.00	Pass		
50			0	20.42	2.66	23.08	<=33.00	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	22.02	2.66	24.68	<=33.00	Pass
			38	22.02	2.66	24.68	<=33.00	Pass
			74	22.14	2.66	24.80	<=33.00	Pass
		36	0	21.16	2.66	23.82	<=33.00	Pass
			18	21.19	2.66	23.85	<=33.00	Pass
			39	21.15	2.66	23.81	<=33.00	Pass
		75	0	21.13	2.66	23.79	<=33.00	Pass
	1880	1	0	22.21	2.66	24.87	<=33.00	Pass
			38	22.41	2.66	25.07	<=33.00	Pass
			74	22.46	2.66	25.12	<=33.00	Pass
		36	0	21.42	2.66	24.08	<=33.00	Pass
			18	21.38	2.66	24.04	<=33.00	Pass
			39	21.34	2.66	24.00	<=33.00	Pass
		75	0	21.35	2.66	24.01	<=33.00	Pass
	1902.5	1	0	22.51	2.66	25.17	<=33.00	Pass
			38	22.43	2.66	25.09	<=33.00	Pass
			74	22.47	2.66	25.13	<=33.00	Pass
		36	0	21.51	2.66	24.17	<=33.00	Pass
			18	21.35	2.66	24.01	<=33.00	Pass
			39	21.26	2.66	23.92	<=33.00	Pass
		75	0	21.35	2.66	24.01	<=33.00	Pass
16QAM	1857.5	1	0	20.90	2.66	23.56	<=33.00	Pass

			38	20.81	2.66	23.47	<=33.00	Pass
			74	20.66	2.66	23.32	<=33.00	Pass
		36	0	20.16	2.66	22.82	<=33.00	Pass
			18	20.14	2.66	22.80	<=33.00	Pass
			39	20.18	2.66	22.84	<=33.00	Pass
		75	0	20.15	2.66	22.81	<=33.00	Pass
	1880	1	0	20.89	2.66	23.55	<=33.00	Pass
			38	21.23	2.66	23.89	<=33.00	Pass
			74	21.03	2.66	23.69	<=33.00	Pass
		36	0	20.28	2.66	22.94	<=33.00	Pass
			18	20.42	2.66	23.08	<=33.00	Pass
			39	20.23	2.66	22.89	<=33.00	Pass
	75	0	20.47	2.66	23.13	<=33.00	Pass	
	1902.5	1	0	21.16	2.66	23.82	<=33.00	Pass
			38	21.21	2.66	23.87	<=33.00	Pass
			74	20.94	2.66	23.60	<=33.00	Pass
		36	0	20.37	2.66	23.03	<=33.00	Pass
			18	20.44	2.66	23.10	<=33.00	Pass
			39	20.31	2.66	22.97	<=33.00	Pass
	75	0	20.39	2.66	23.05	<=33.00	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	21.87	2.66	24.53	<=33.00	Pass
			50	22.26	2.66	24.92	<=33.00	Pass
			99	22.09	2.66	24.75	<=33.00	Pass
		50	0	21.12	2.66	23.78	<=33.00	Pass
			25	21.11	2.66	23.77	<=33.00	Pass
			50	21.08	2.66	23.74	<=33.00	Pass
		100	0	21.03	2.66	23.69	<=33.00	Pass
	1880	1	0	22.07	2.66	24.73	<=33.00	Pass
			50	22.93	2.66	25.59	<=33.00	Pass
			99	22.23	2.66	24.89	<=33.00	Pass
		50	0	21.39	2.66	24.05	<=33.00	Pass
			25	21.38	2.66	24.04	<=33.00	Pass
			50	21.36	2.66	24.02	<=33.00	Pass
		100	0	21.38	2.66	24.04	<=33.00	Pass
	1900	1	0	22.24	2.66	24.90	<=33.00	Pass
			50	22.60	2.66	25.26	<=33.00	Pass
			99	22.23	2.66	24.89	<=33.00	Pass
		50	0	21.49	2.66	24.15	<=33.00	Pass
			25	21.38	2.66	24.04	<=33.00	Pass
			50	21.32	2.66	23.98	<=33.00	Pass
		100	0	21.33	2.66	23.99	<=33.00	Pass
16QAM	1860	1	0	20.65	2.66	23.31	<=33.00	Pass
			50	21.18	2.66	23.84	<=33.00	Pass
			99	20.90	2.66	23.56	<=33.00	Pass
		50	0	20.14	2.66	22.80	<=33.00	Pass
			25	20.26	2.66	22.92	<=33.00	Pass
			50	20.17	2.66	22.83	<=33.00	Pass
		100	0	20.17	2.66	22.83	<=33.00	Pass
	1880	1	0	20.97	2.66	23.63	<=33.00	Pass
			50	21.33	2.66	23.99	<=33.00	Pass

		50	99	21.04	2.66	23.70	<=33.00	Pass
			0	20.18	2.66	22.84	<=33.00	Pass
			25	20.30	2.66	22.96	<=33.00	Pass
			50	20.17	2.66	22.83	<=33.00	Pass
	1900	100	0	20.31	2.66	22.97	<=33.00	Pass
			0	21.03	2.66	23.69	<=33.00	Pass
			50	21.41	2.66	24.07	<=33.00	Pass
		1	99	21.02	2.66	23.68	<=33.00	Pass
			0	20.54	2.66	23.20	<=33.00	Pass
			25	20.40	2.66	23.06	<=33.00	Pass
		50	50	20.44	2.66	23.10	<=33.00	Pass
			100	20.45	2.66	23.11	<=33.00	Pass
			0					

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	3.5	-3.600	-0.0019	-2.5 to 2.5	Pass
					3.87	-2.200	-0.0012	-2.5 to 2.5	Pass
					4.4	-4.600	-0.0024	-2.5 to 2.5	Pass
				-30	3.87	-1.500	-0.0008	-2.5 to 2.5	Pass
				-20	3.87	-3.400	-0.0018	-2.5 to 2.5	Pass
				-10	3.87	-2.900	-0.0015	-2.5 to 2.5	Pass
				0	3.87	-5.600	-0.0030	-2.5 to 2.5	Pass
				10	3.87	-1.500	-0.0008	-2.5 to 2.5	Pass
				30	3.87	-2.800	-0.0015	-2.5 to 2.5	Pass
				40	3.87	-0.600	-0.0003	-2.5 to 2.5	Pass
				50	3.87	-0.300	-0.0002	-2.5 to 2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 Band2_OBW

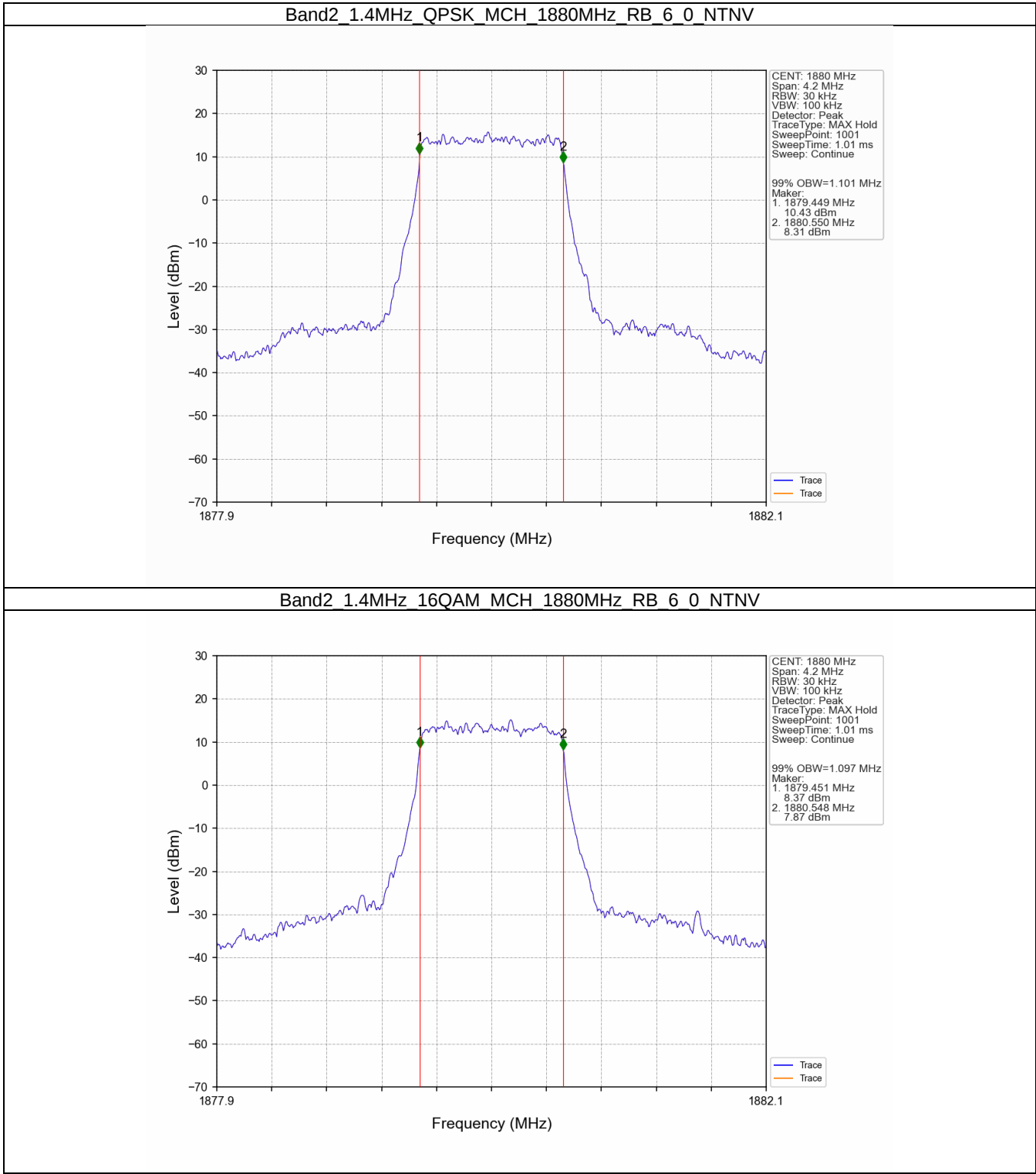
Band: 2 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	1880	6	0	1.101	/	Pass
	16QAM	1880	6	0	1.097	/	Pass
3	QPSK	1880	15	0	2.737	/	Pass
	16QAM	1880	15	0	2.730	/	Pass
5	QPSK	1880	25	0	4.506	/	Pass
	16QAM	1880	25	0	4.500	/	Pass
10	QPSK	1880	50	0	8.958	/	Pass
	16QAM	1880	50	0	8.947	/	Pass
15	QPSK	1880	75	0	13.425	/	Pass
	16QAM	1880	75	0	13.466	/	Pass
20	QPSK	1880	100	0	17.960	/	Pass
	16QAM	1880	100	0	17.990	/	Pass

3.1.2 Band2_XDB

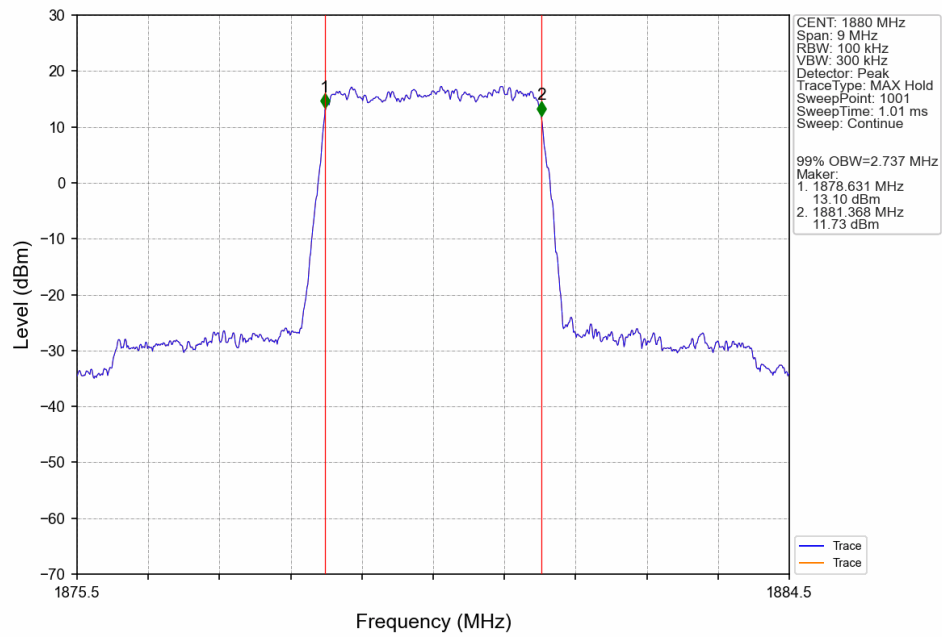
Band: 2 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	1880	6	0	1.302	/	Pass
	16QAM	1880	6	0	1.286	/	Pass
3	QPSK	1880	15	0	3.059	/	Pass
	16QAM	1880	15	0	3.054	/	Pass
5	QPSK	1880	25	0	5.011	/	Pass
	16QAM	1880	25	0	4.996	/	Pass
10	QPSK	1880	50	0	9.737	/	Pass
	16QAM	1880	50	0	9.870	/	Pass
15	QPSK	1880	75	0	14.674	/	Pass
	16QAM	1880	75	0	14.564	/	Pass
20	QPSK	1880	100	0	19.589	/	Pass
	16QAM	1880	100	0	19.478	/	Pass

3.2 Test Graph

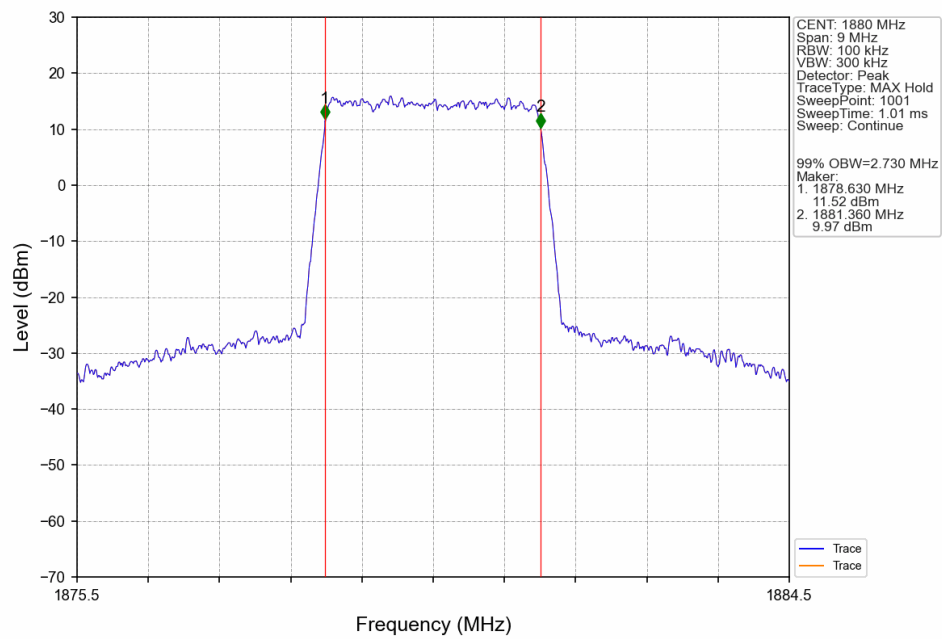
3.2.1 Band2_OBW



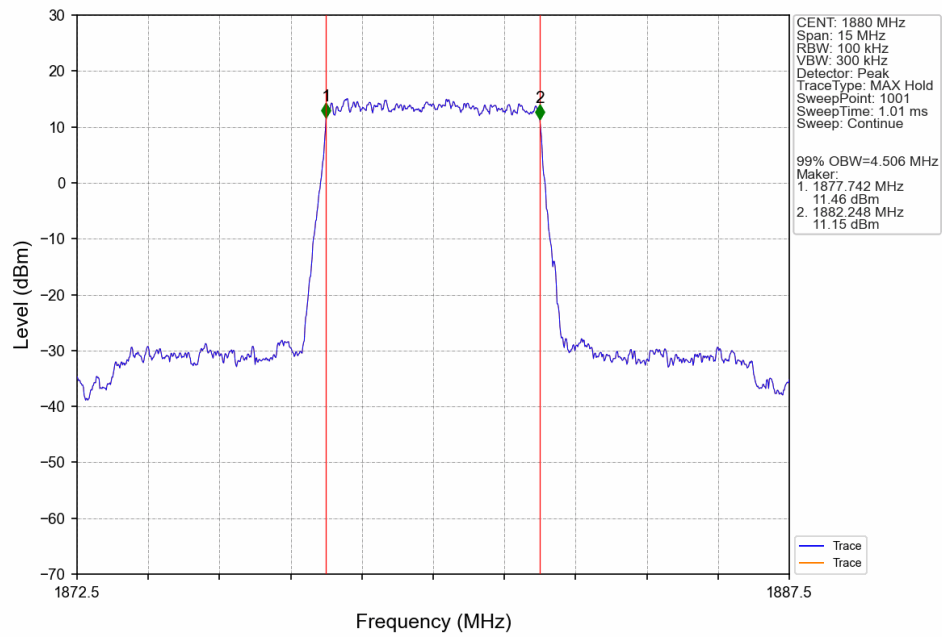
Band2_3MHz_QPSK_MCH_1880MHz_RB_15_0_NTNV



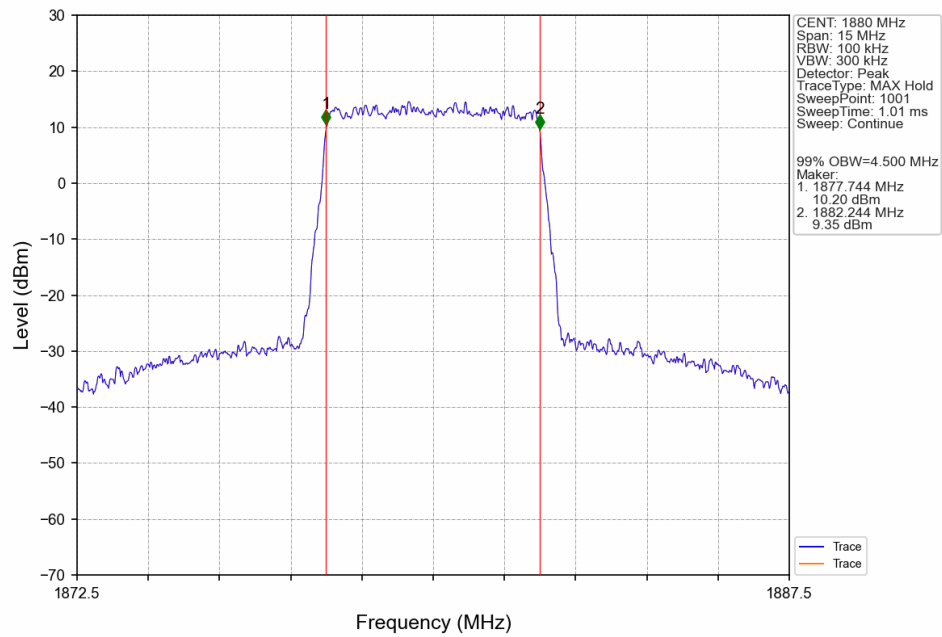
Band2_3MHz_16QAM_MCH_1880MHz_RB_15_0_NTNV



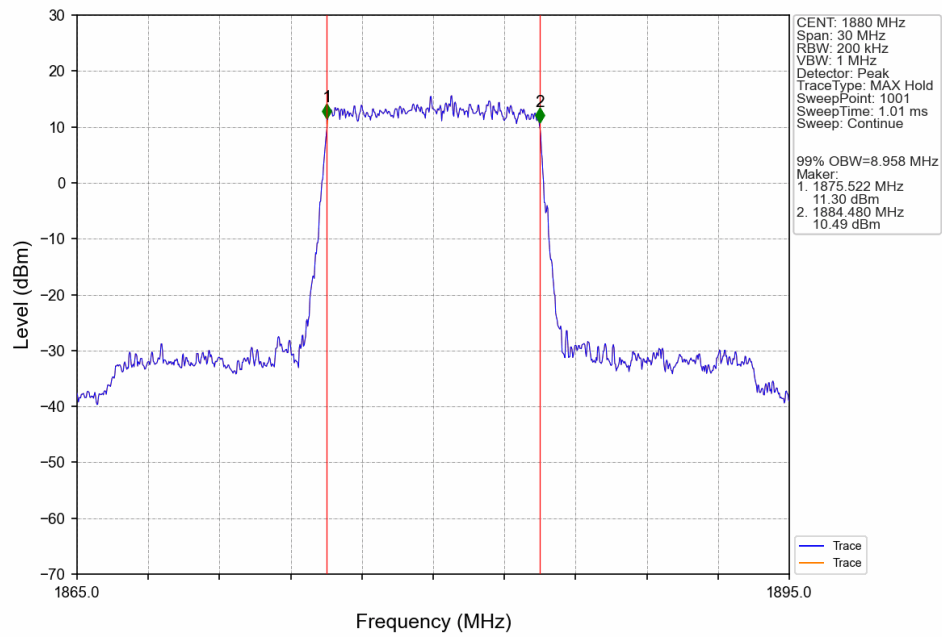
Band2_5MHz_QPSK_MCH_1880MHz_RB_25_0_NTNV



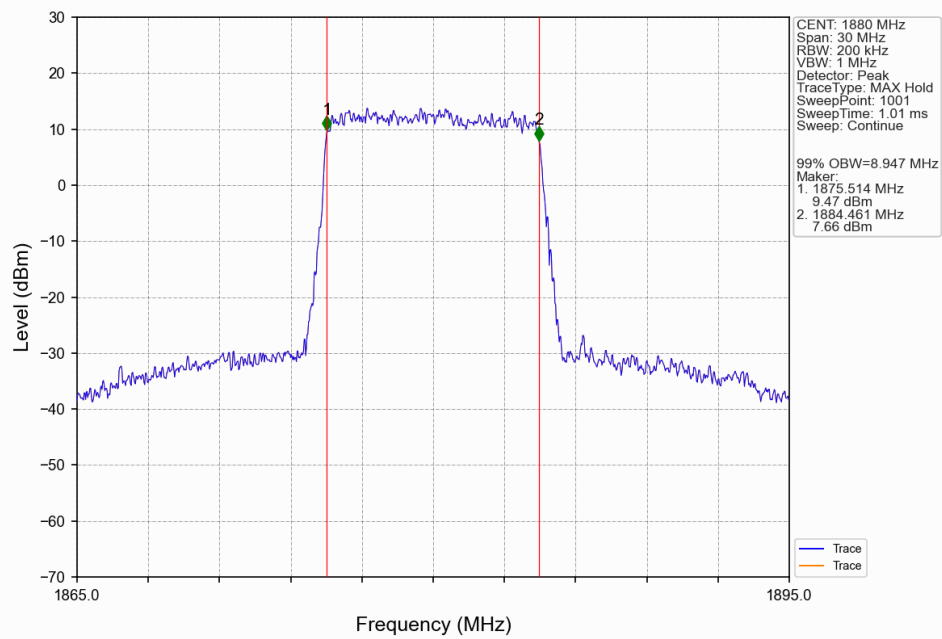
Band2_5MHz_16QAM_MCH_1880MHz_RB_25_0_NTNV



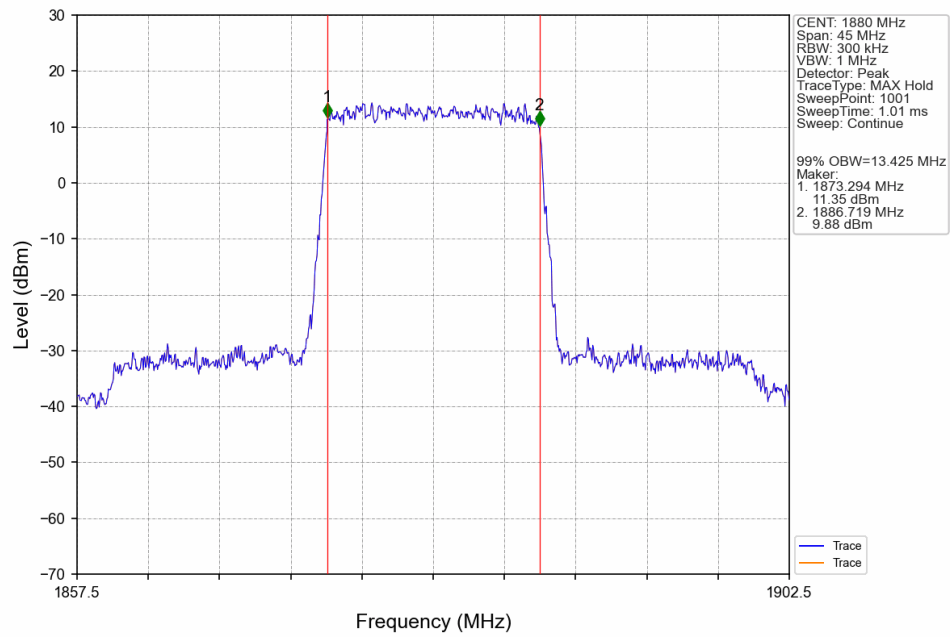
Band2_10MHz_QPSK_MCH_1880MHz_RB_50_0_NTNV



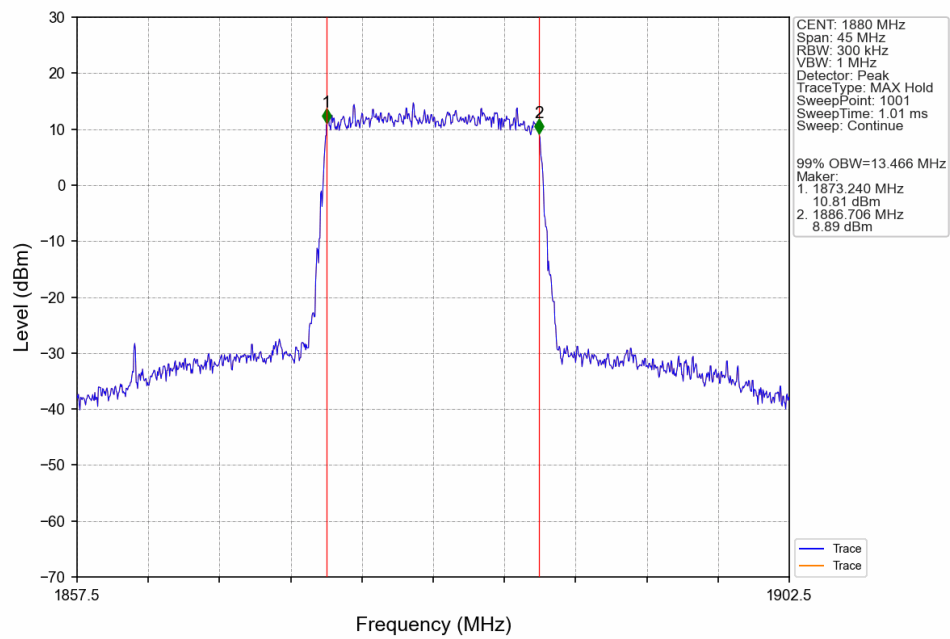
Band2_10MHz_16QAM_MCH_1880MHz_RB_50_0_NTNV



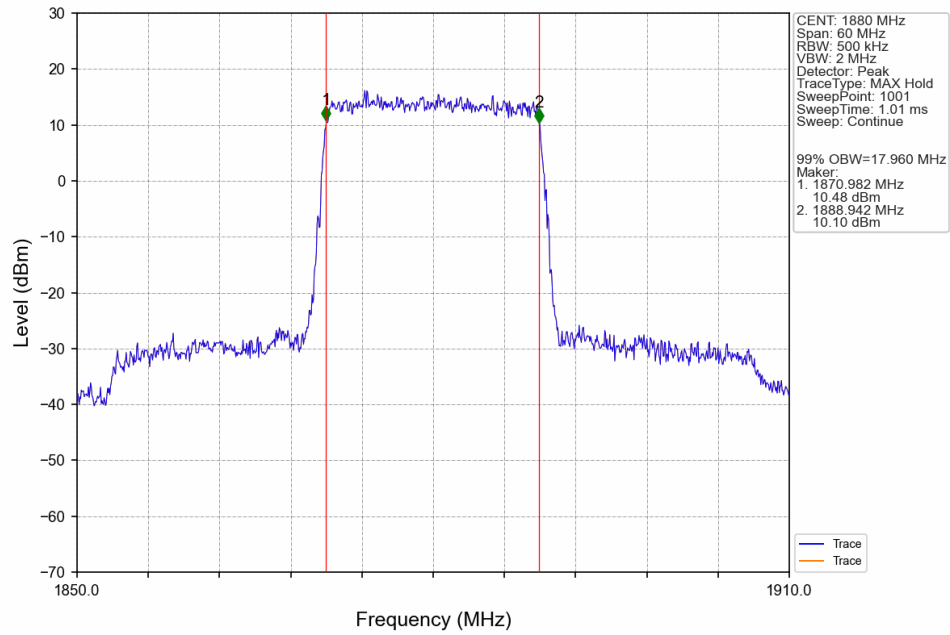
Band2_15MHz_QPSK_MCH_1880MHz_RB_75_0_NTNV



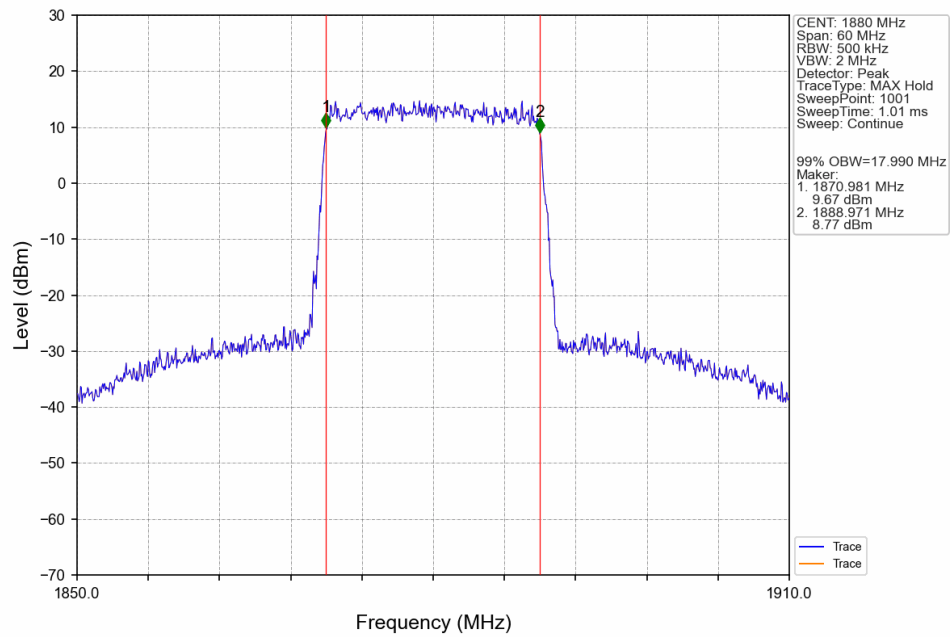
Band2_15MHz_16QAM_MCH_1880MHz_RB_75_0_NTNV



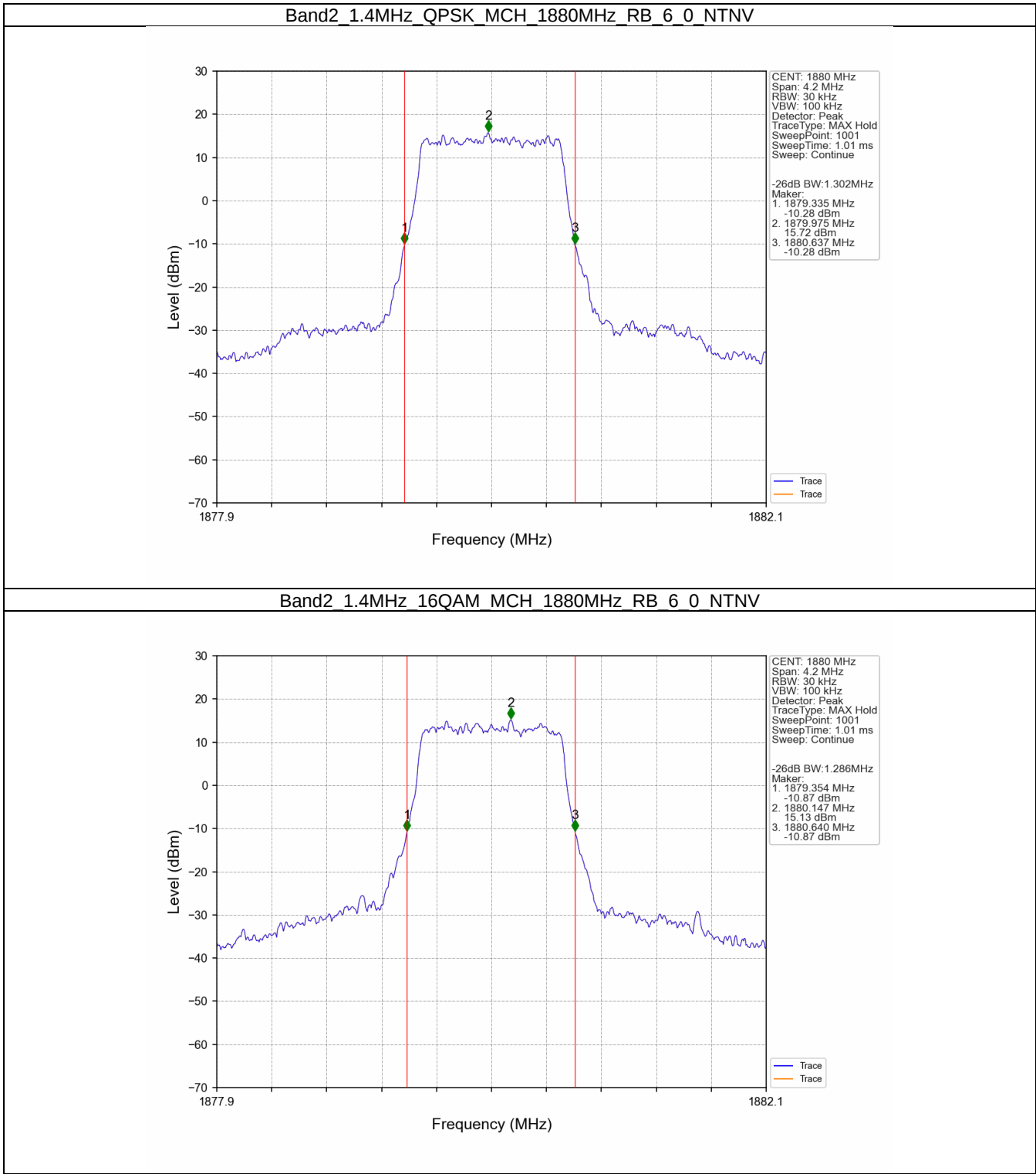
Band2_20MHz_QPSK_MCH_1880MHz_RB_100_0_NTNV



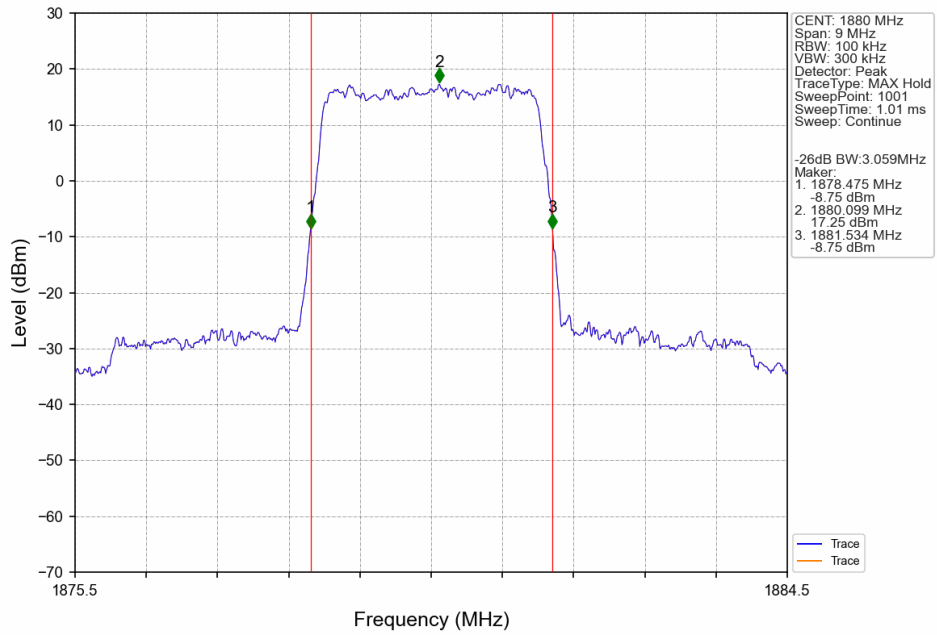
Band2_20MHz_16QAM_MCH_1880MHz_RB_100_0_NTNV



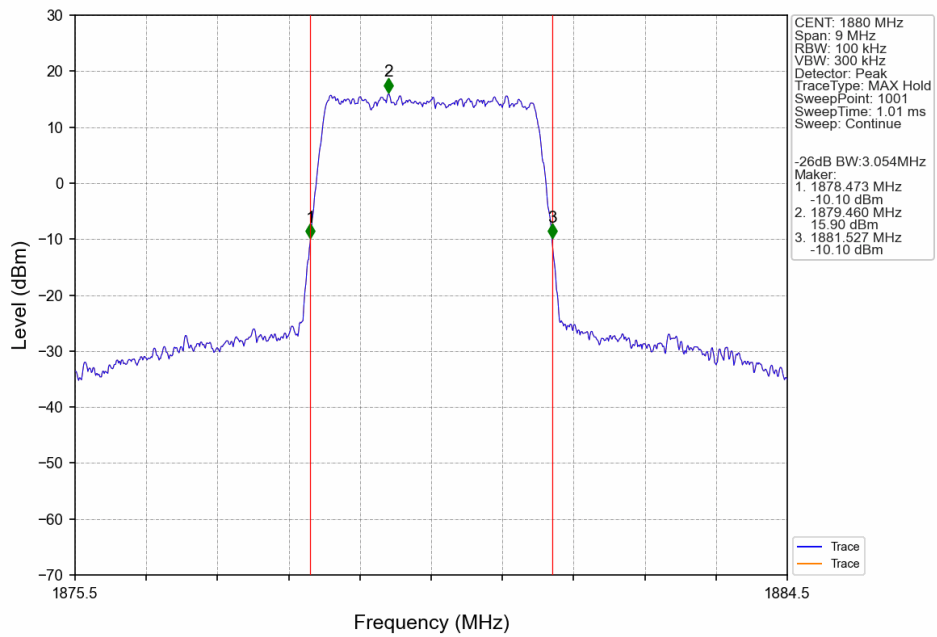
3.2.2 Band2_XDB



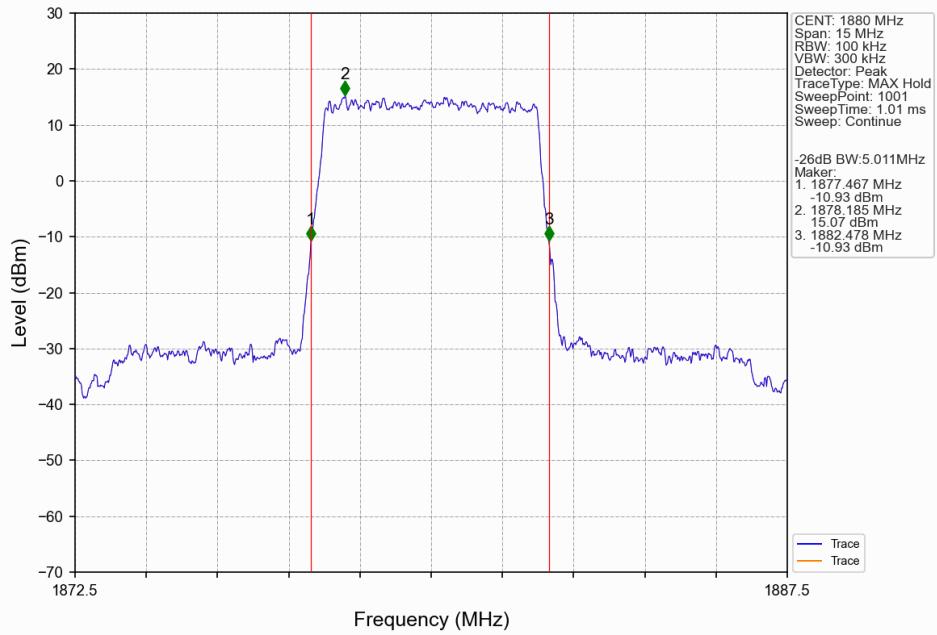
Band2_3MHz_QPSK_MCH_1880MHz_RB_15_0_NTNV



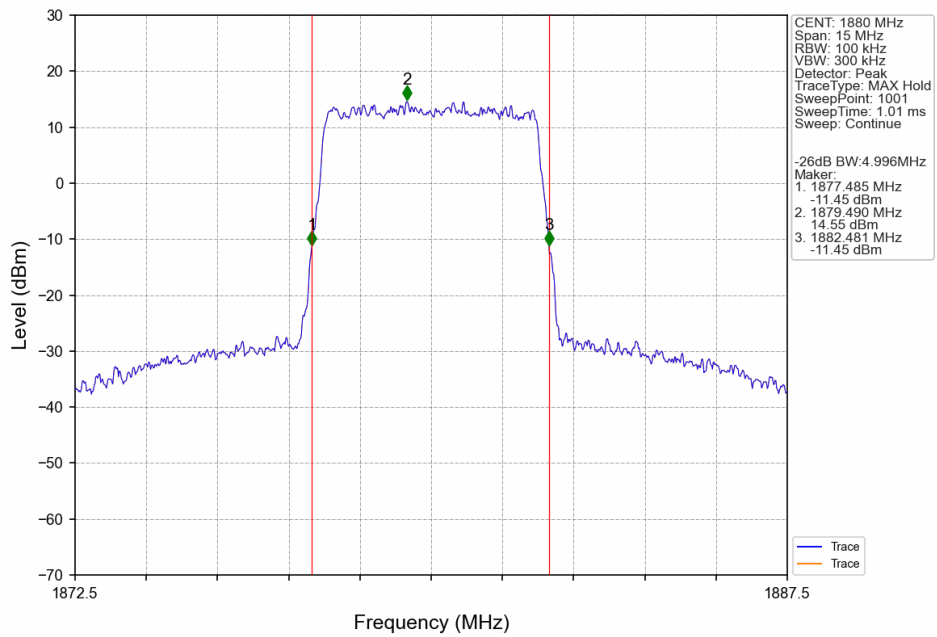
Band2_3MHz_16QAM_MCH_1880MHz_RB_15_0_NTNV



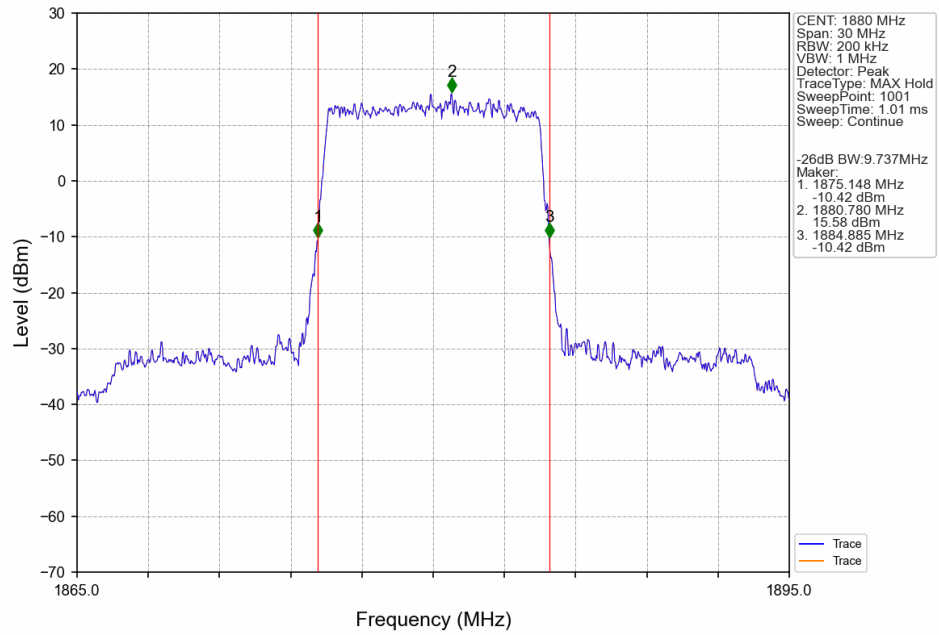
Band2_5MHz_QPSK_MCH_1880MHz_RB_25_0_NTNV



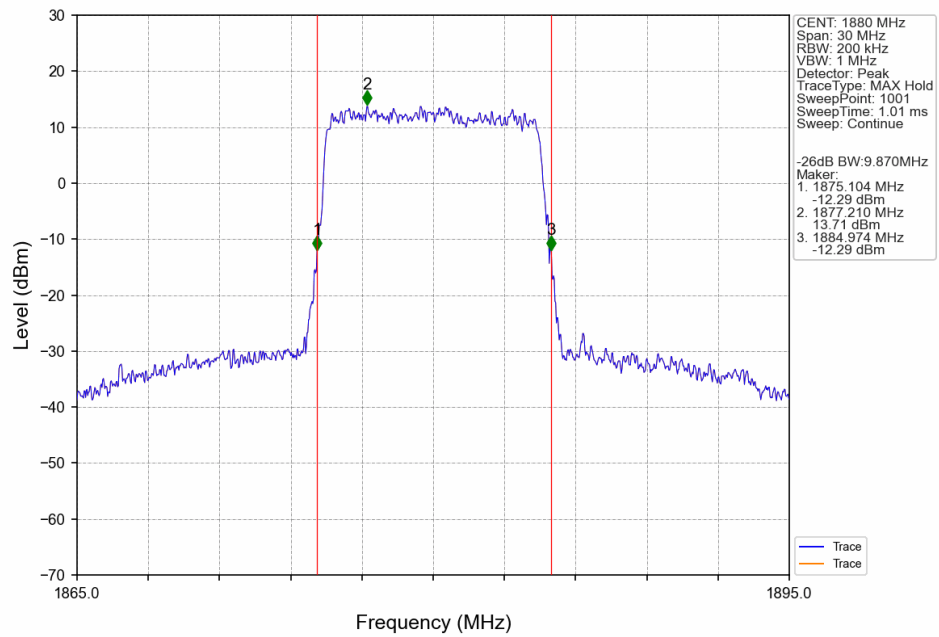
Band2_5MHz_16QAM_MCH_1880MHz_RB_25_0_NTNV



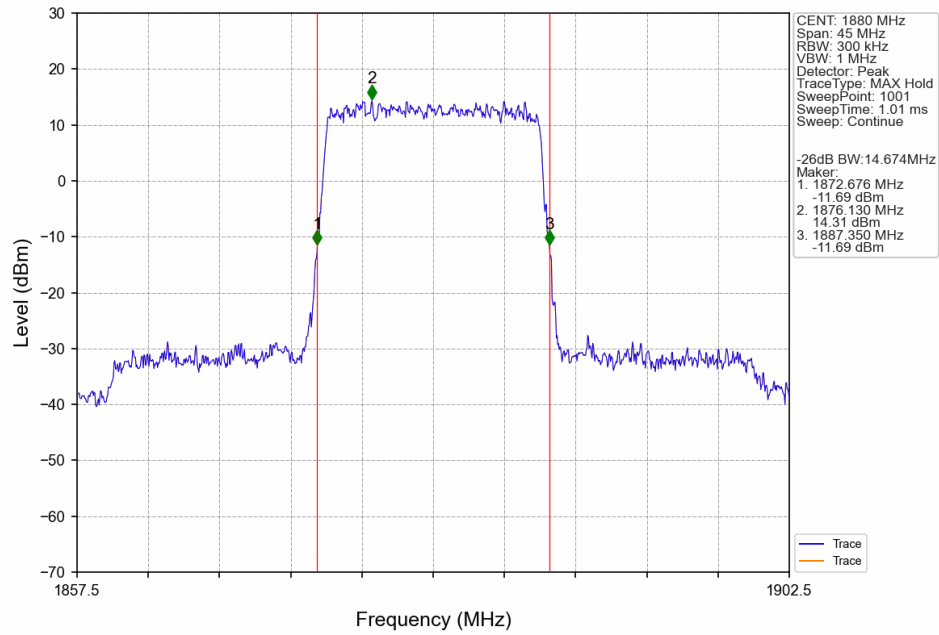
Band2_10MHz_QPSK_MCH_1880MHz_RB_50_0_NTNV



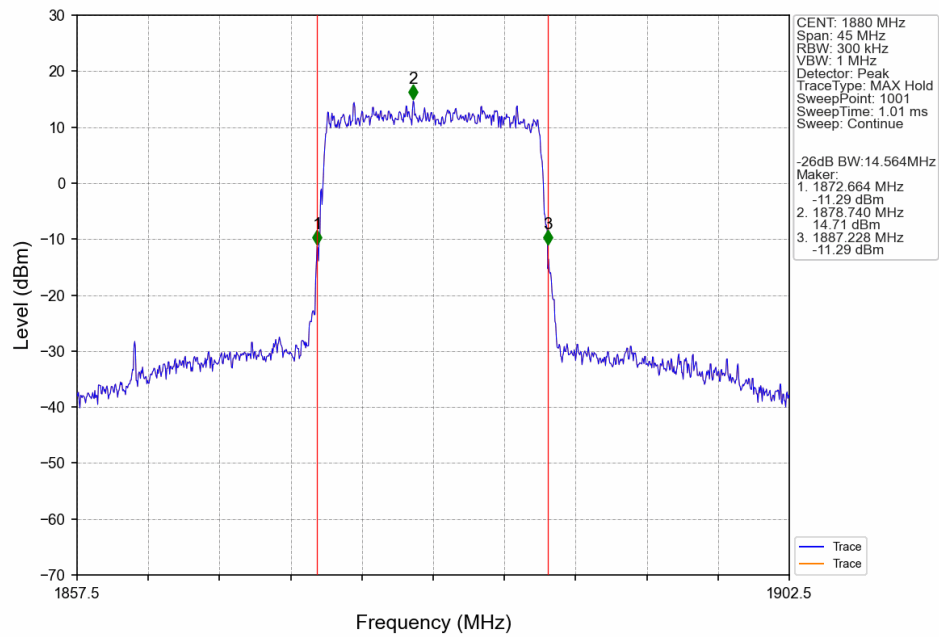
Band2_10MHz_16QAM_MCH_1880MHz_RB_50_0_NTNV



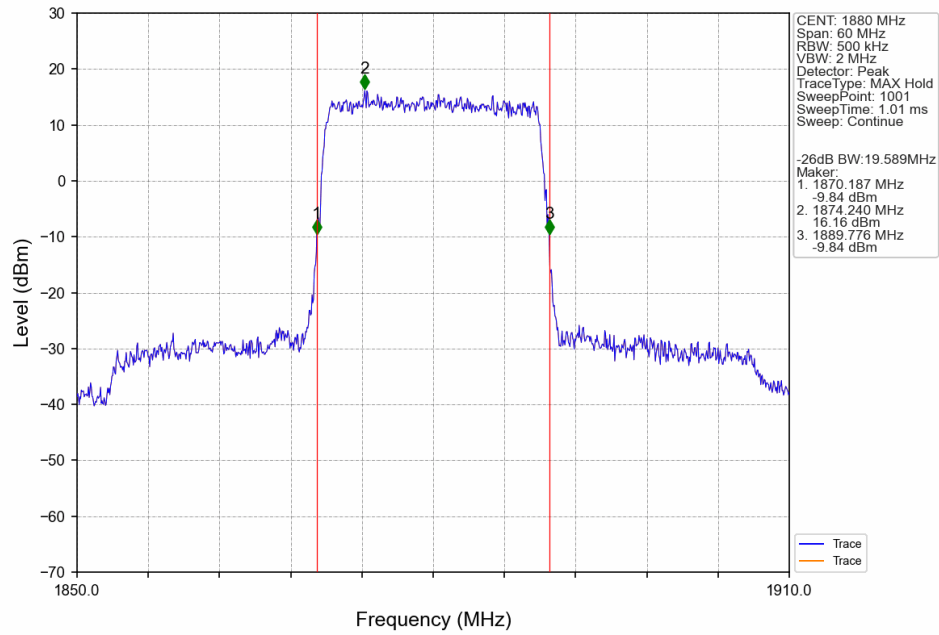
Band2_15MHz_QPSK_MCH_1880MHz_RB_75_0_NTNV



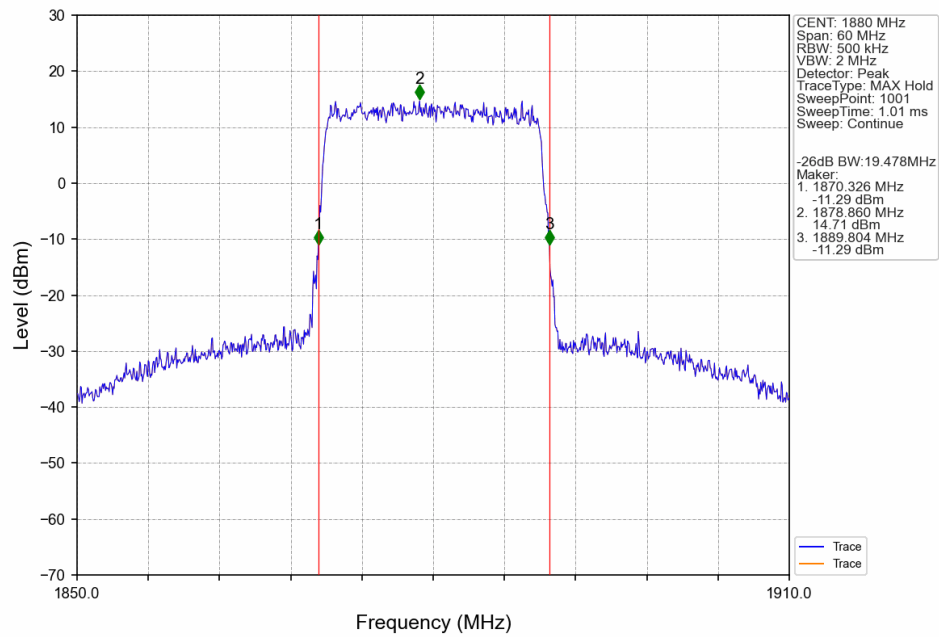
Band2_15MHz_16QAM_MCH_1880MHz_RB_75_0_NTNV



Band2_20MHz_QPSK_MCH_1880MHz_RB_100_0_NTNV



Band2_20MHz_16QAM_MCH_1880MHz_RB_100_0_NTNV



4. Peak-Average Ratio

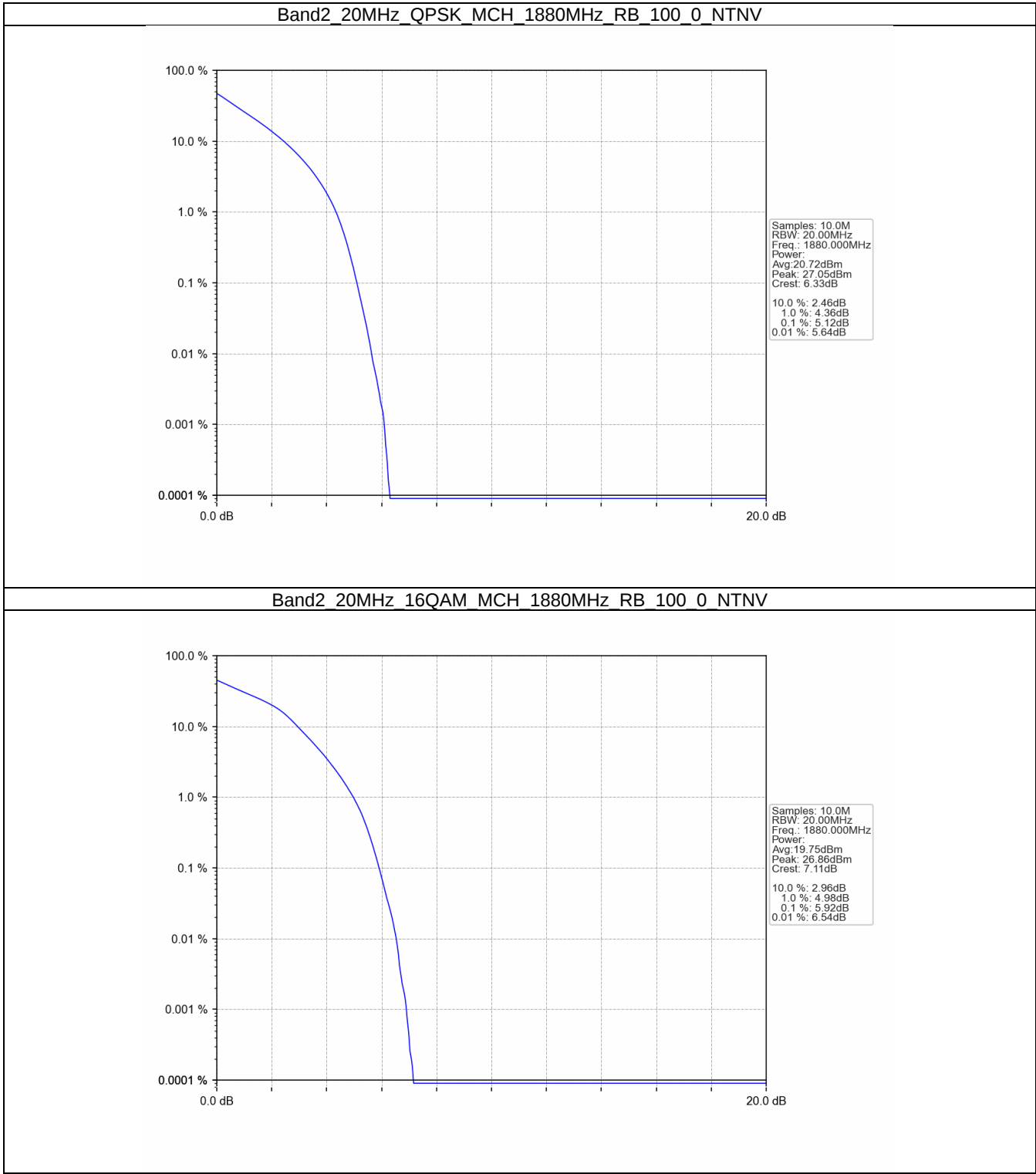
4.1 Test Result

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	5.12	<=13	Pass
16QAM	1880	100	0	5.92	<=13	Pass

4.2 Test Graph

4.2.1 B2_20MHz



5. Spurious Emission

5.1 Test Result

5.1.1 B2_1.4MHz

Band: 2 / Bandwidth: 1.4MHz / NTV						
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 / 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
	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

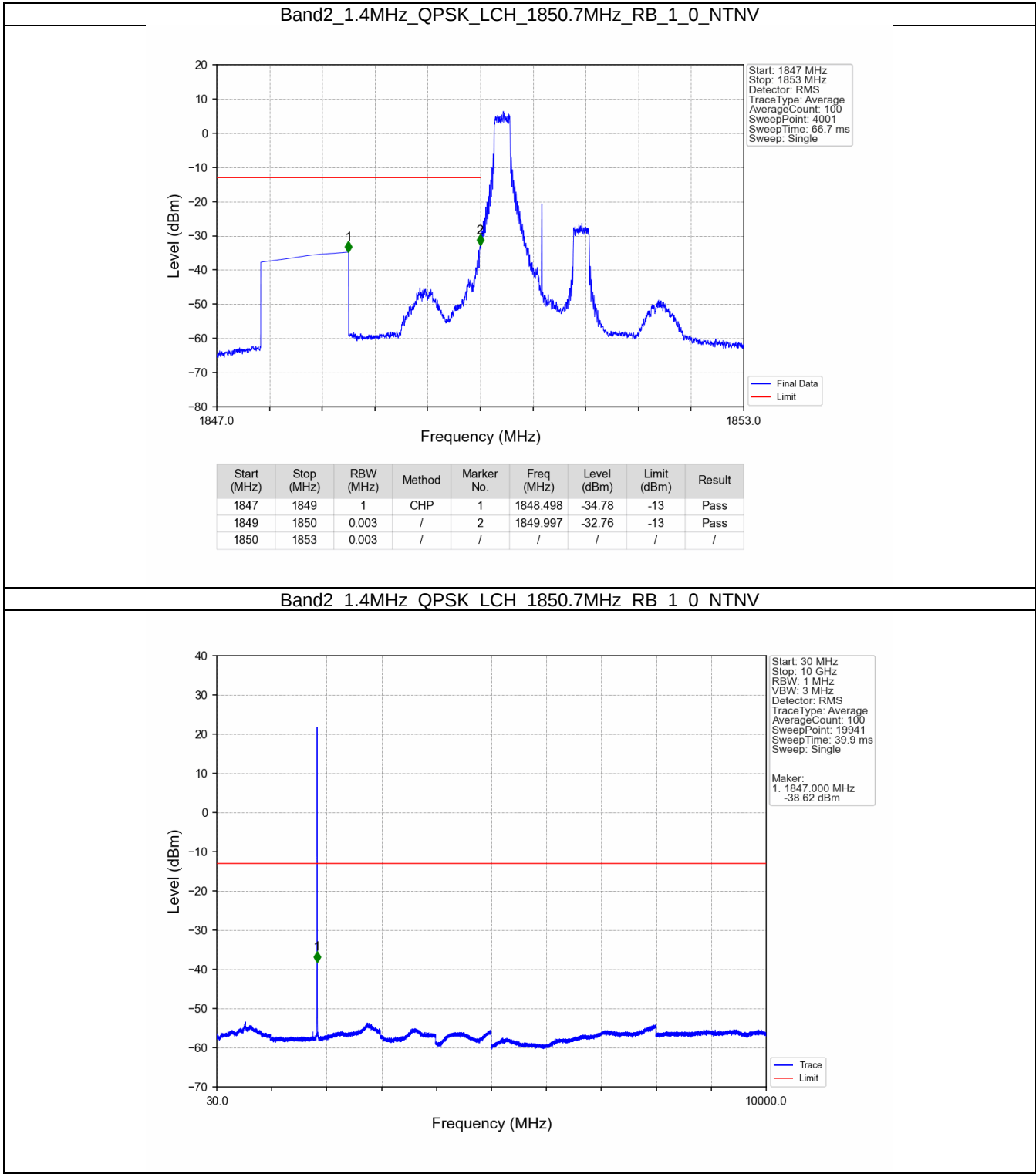
Band: 2 / Bandwidth: 15MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	1857.5	1	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	1880	1	0	Refer To Test Graph		Pass
	1902.5	1	0	Refer To Test Graph		Pass
			74	Refer To Test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

5.1.6 B2_20MHz

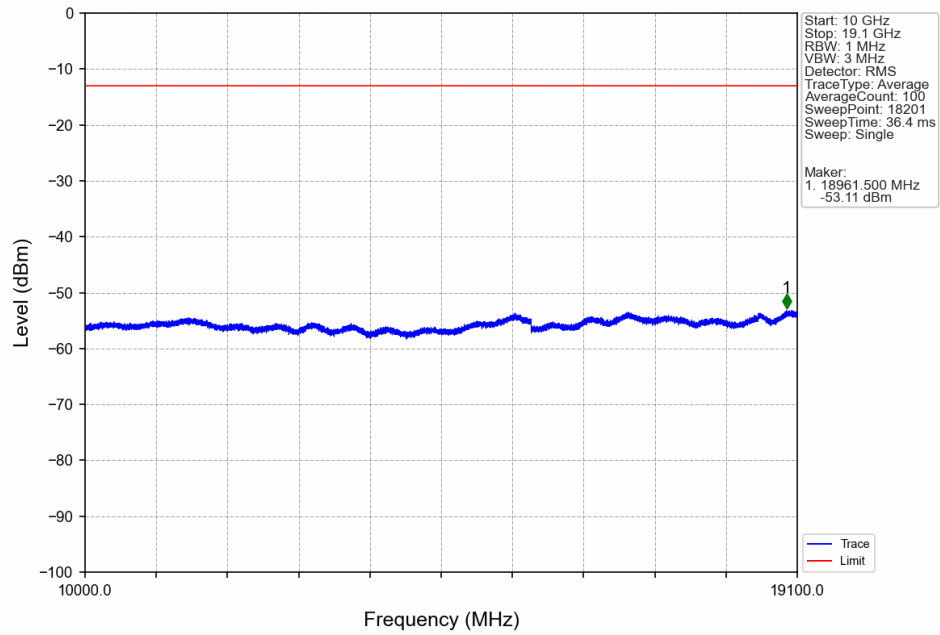
Band: 2 / Bandwidth: 20MHz / NTVN						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	1860	1	0	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	1880	1	0	Refer To Test Graph		Pass
	1900	1	0	Refer To Test Graph		Pass
			99	Refer To Test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

5.2 Test Graph

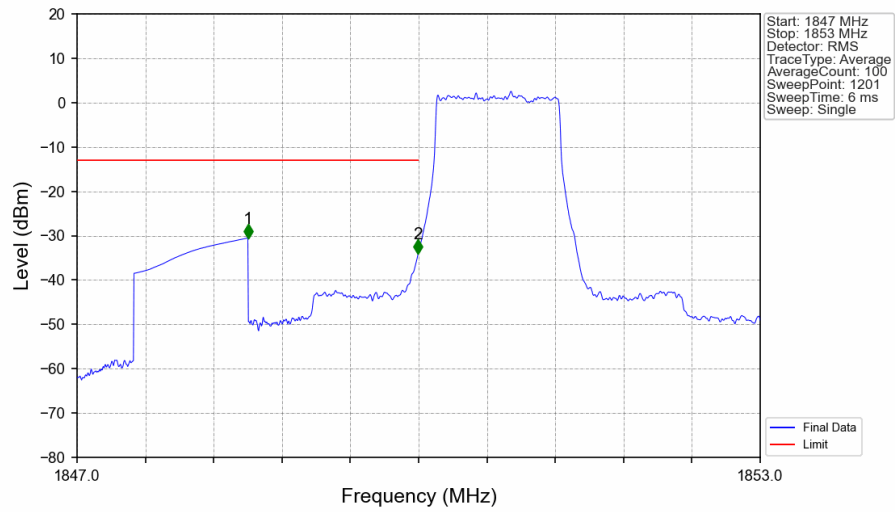
5.2.1 B2_1.4MHz



Band2_1.4MHz_QPSK_LCH_1850.7MHz_RB_1_0_NTNV

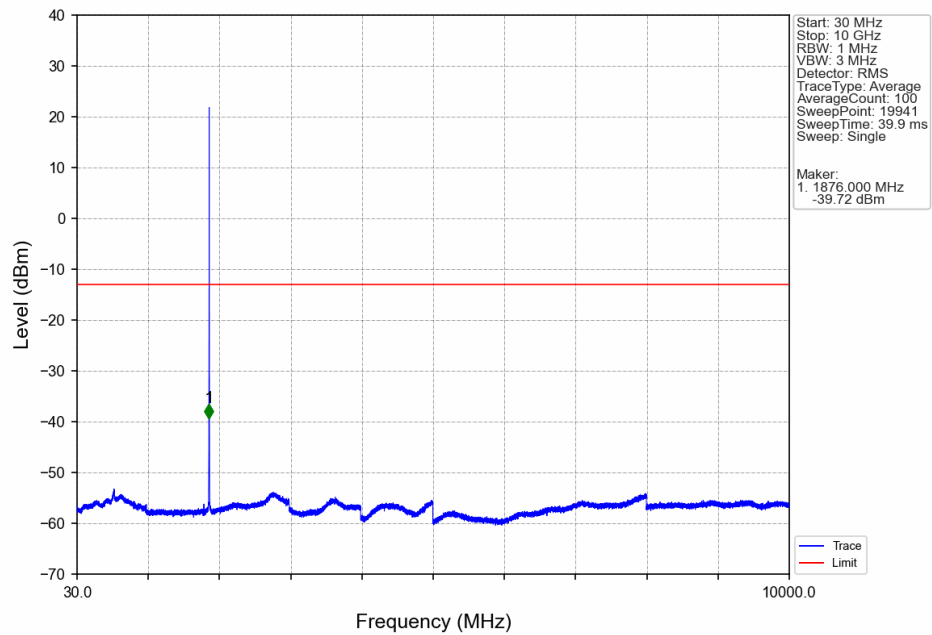


Band2_1.4MHz_QPSK_LCH_1850.7MHz_RB_6_0_NTNV

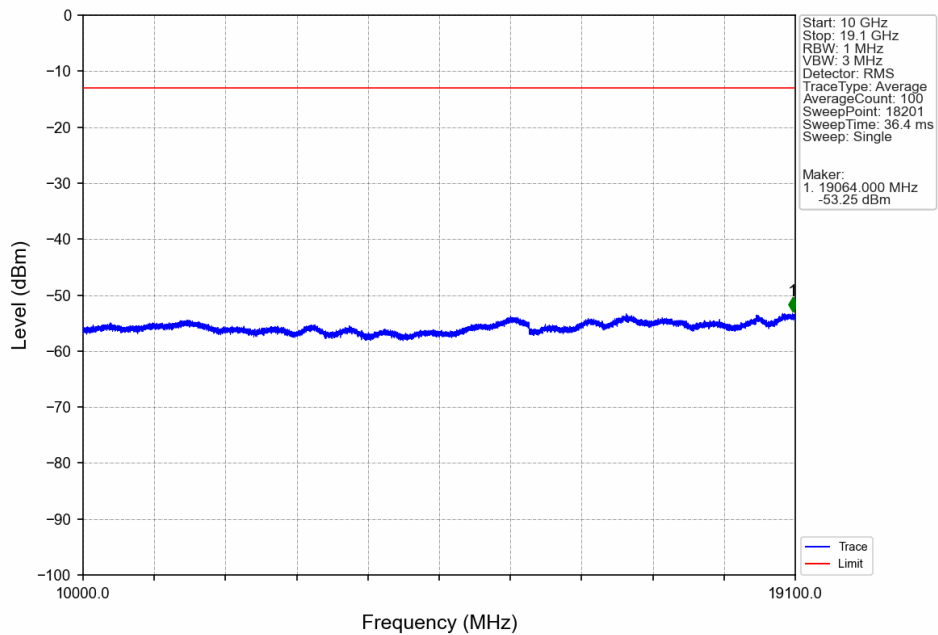


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1847	1849	1	CHP	1	1848.500	-30.53	-13	Pass
1849	1850	0.013	CHP	2	1849.995	-34.11	-13	Pass
1850	1853	0.013	CHP	/	/	/	/	/

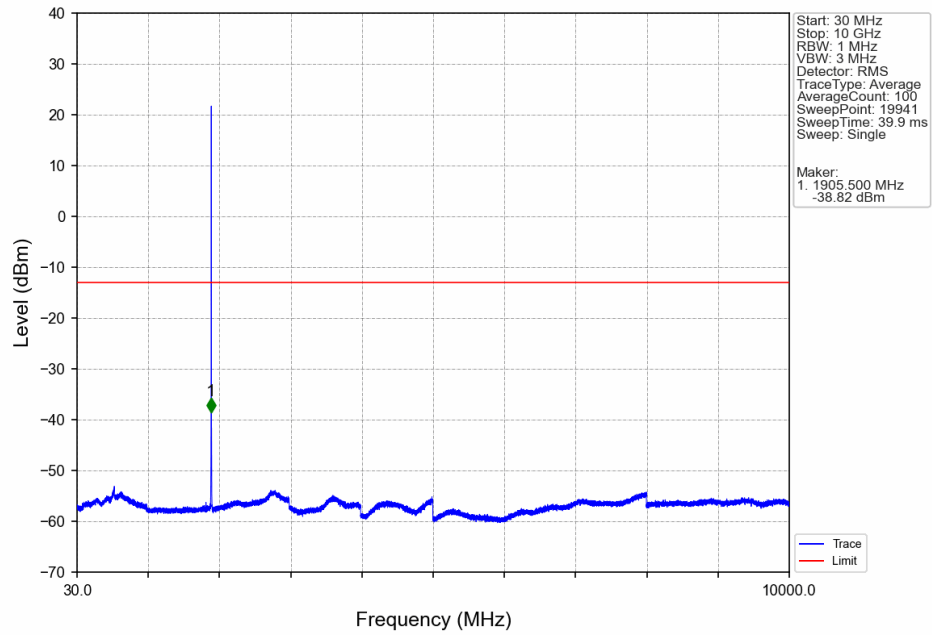
Band2_1.4MHz_QPSK_MCH_1880MHz_RB_1_0_NTNV



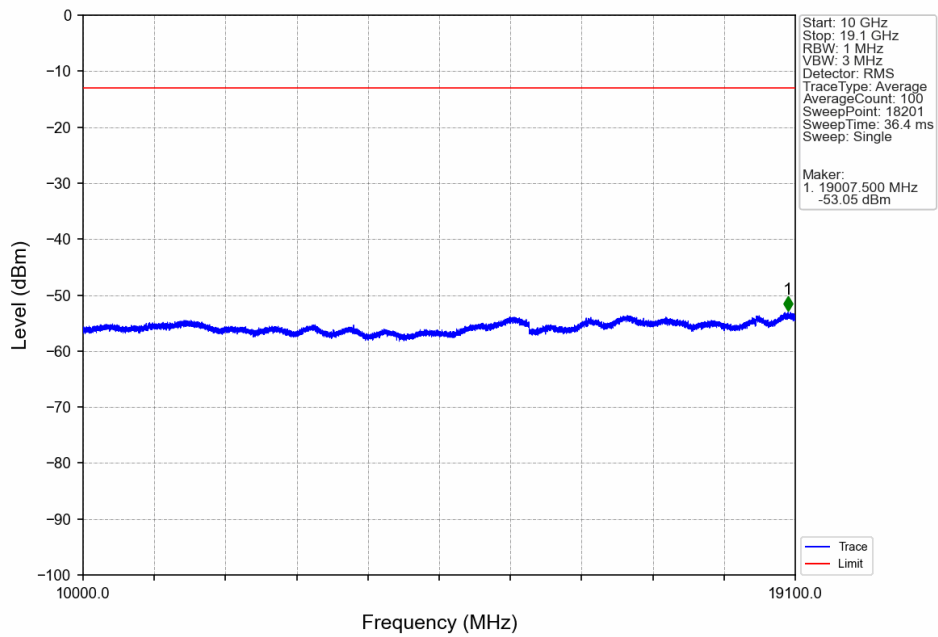
Band2_1.4MHz_QPSK_MCH_1880MHz_RB_1_0_NTNV



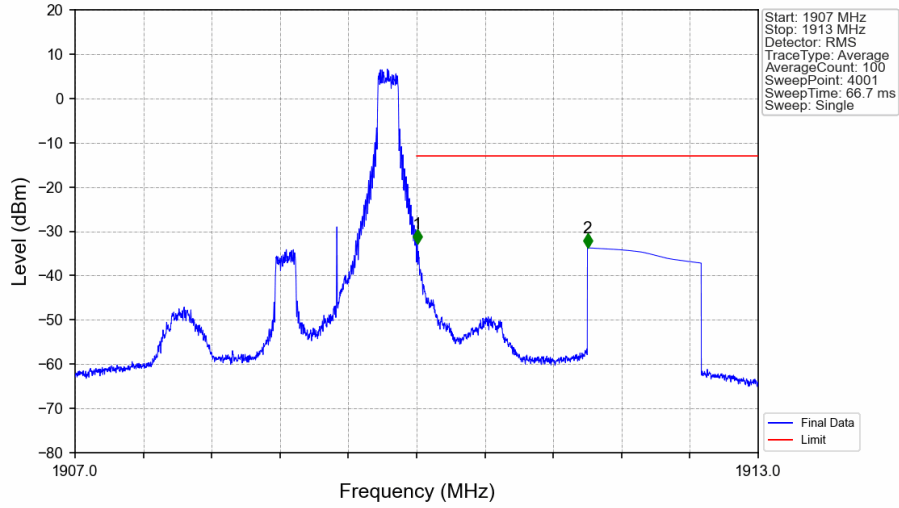
Band2_1.4MHz_QPSK_HCH_1909.3MHz_RB_1_0_NTNV



Band2_1.4MHz_QPSK_HCH_1909.3MHz_RB_1_0_NTNV

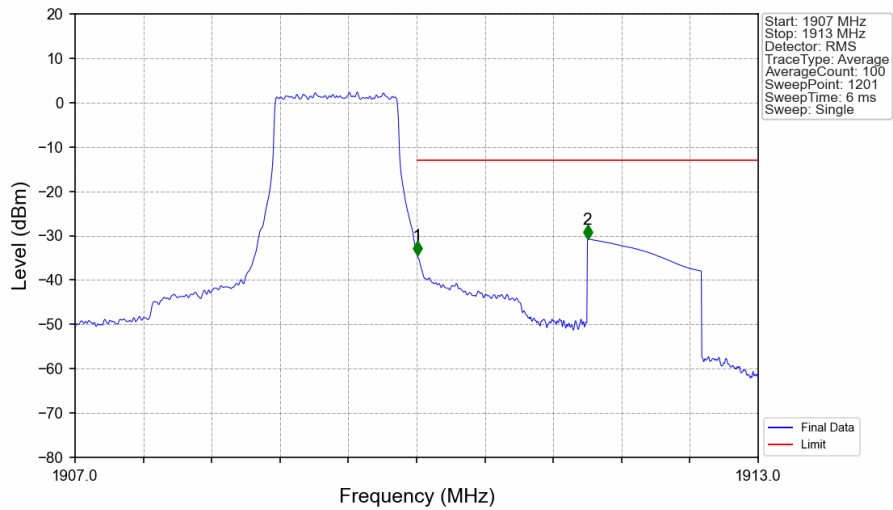


Band2_1.4MHz_QPSK_HCH_1909.3MHz_RB_1_5_NTNV



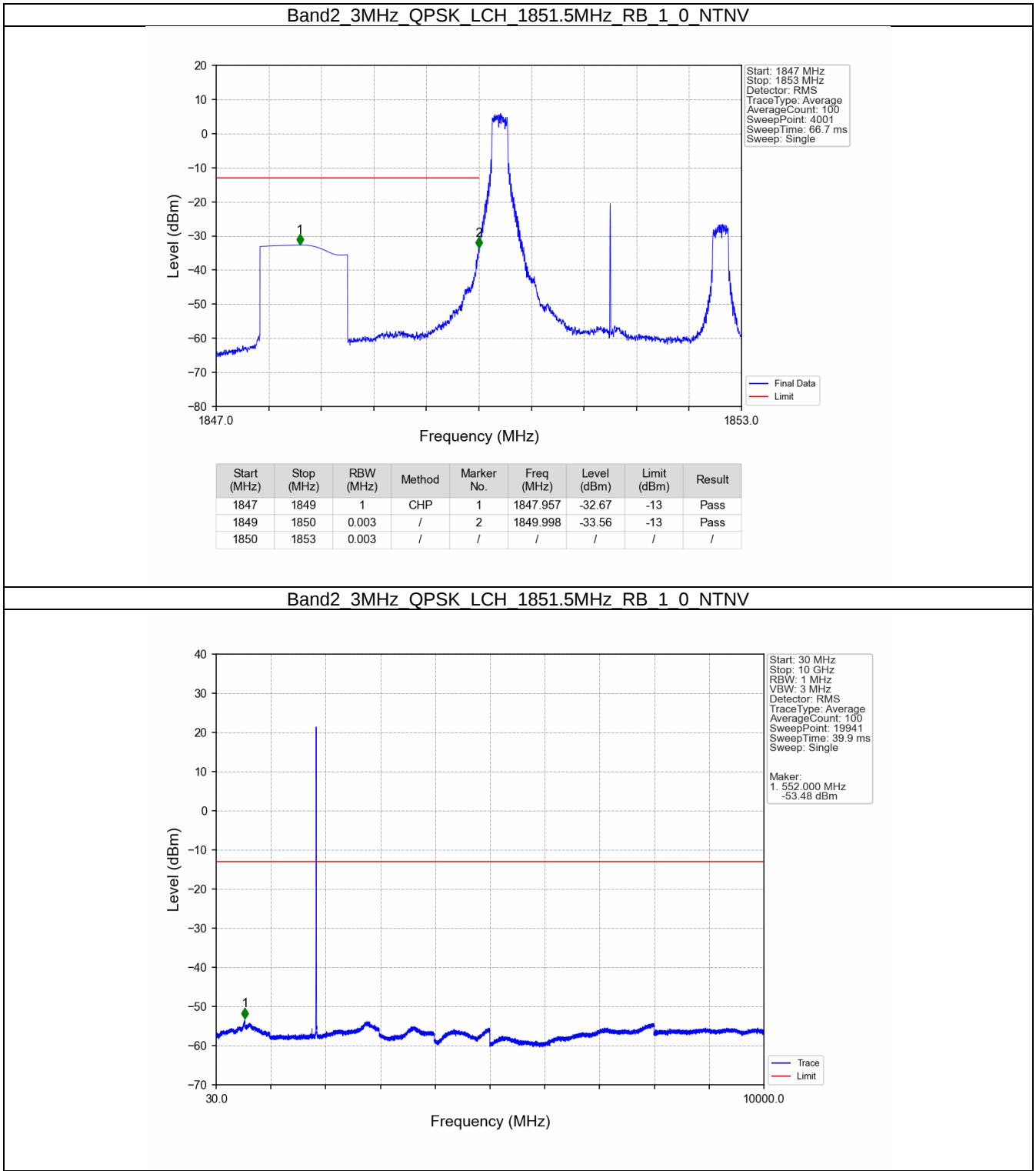
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1907	1910	0.003	/	/	/	/	/	/
1910	1911	0.003	/	1	1910.006	-32.79	-13	Pass
1911	1913	1	CHP	2	1911.500	-33.76	-13	Pass

Band2_1.4MHz_QPSK_HCH_1909.3MHz_RB_6_0_NTNV

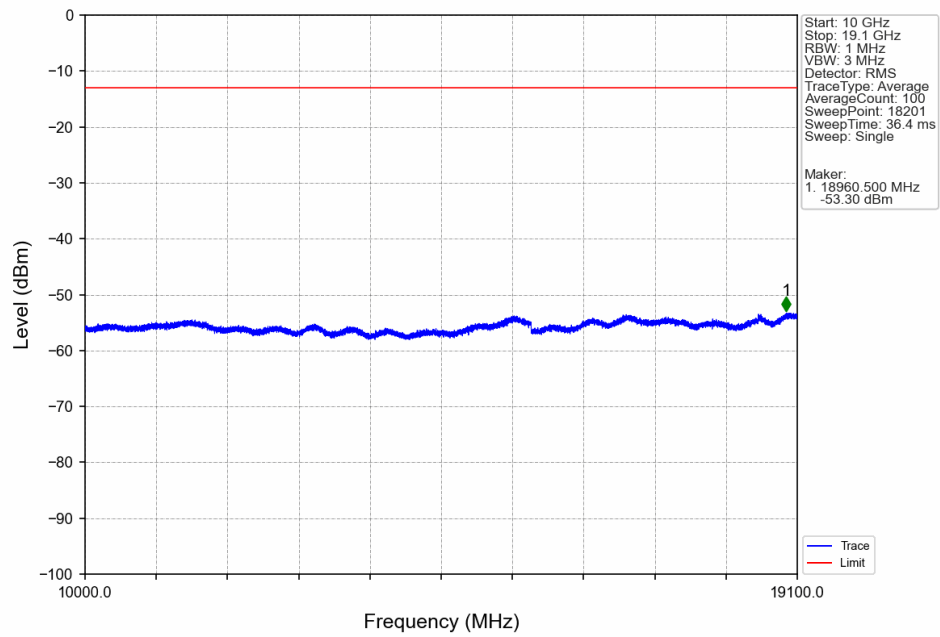


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1907	1910	0.013	CHP	/	/	/	/	/
1910	1911	0.013	CHP	1	1910.005	-34.41	-13	Pass
1911	1913	1	CHP	2	1911.500	-30.72	-13	Pass

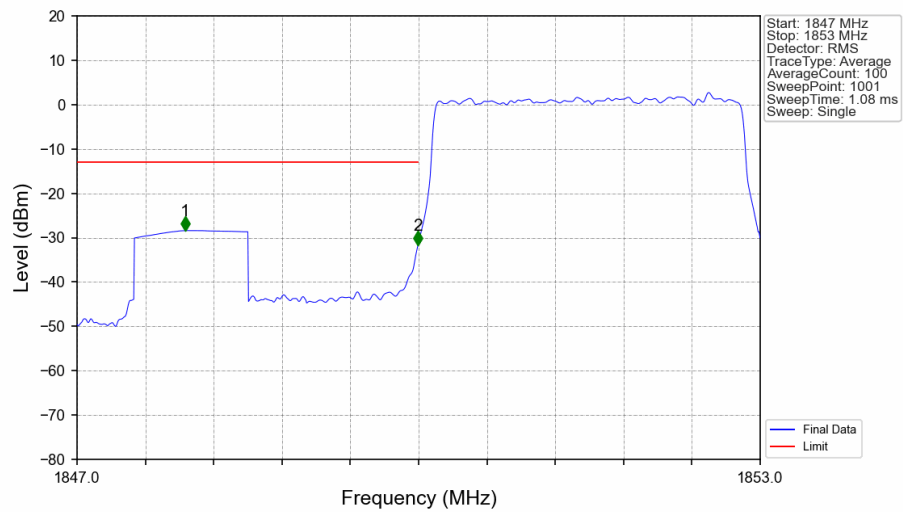
5.2.2 B2_3MHz



Band2_3MHz_QPSK_LCH_1851.5MHz_RB_1_0_NTNV

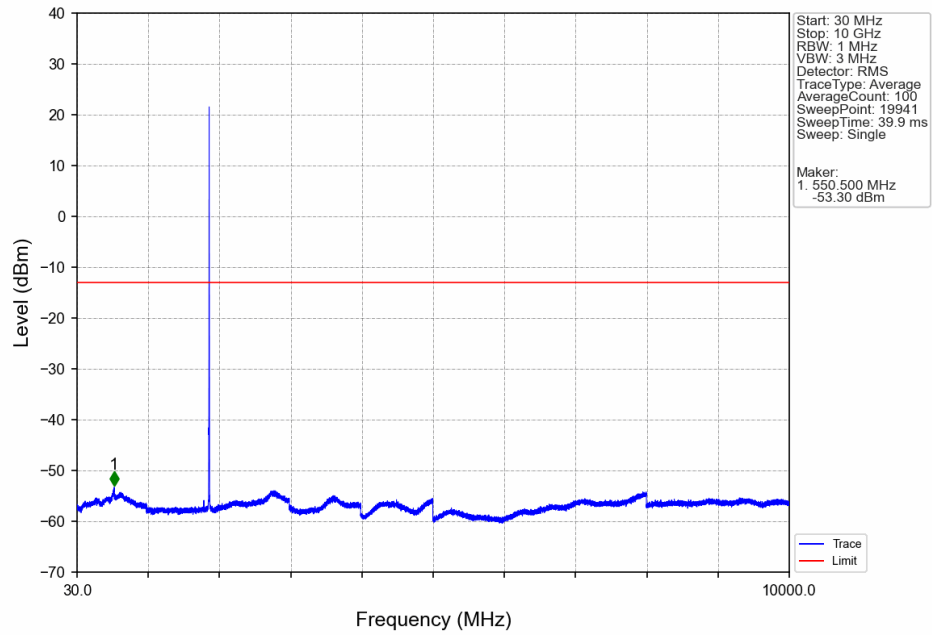


Band2_3MHz_QPSK_LCH_1851.5MHz_RB_15_0_NTNV

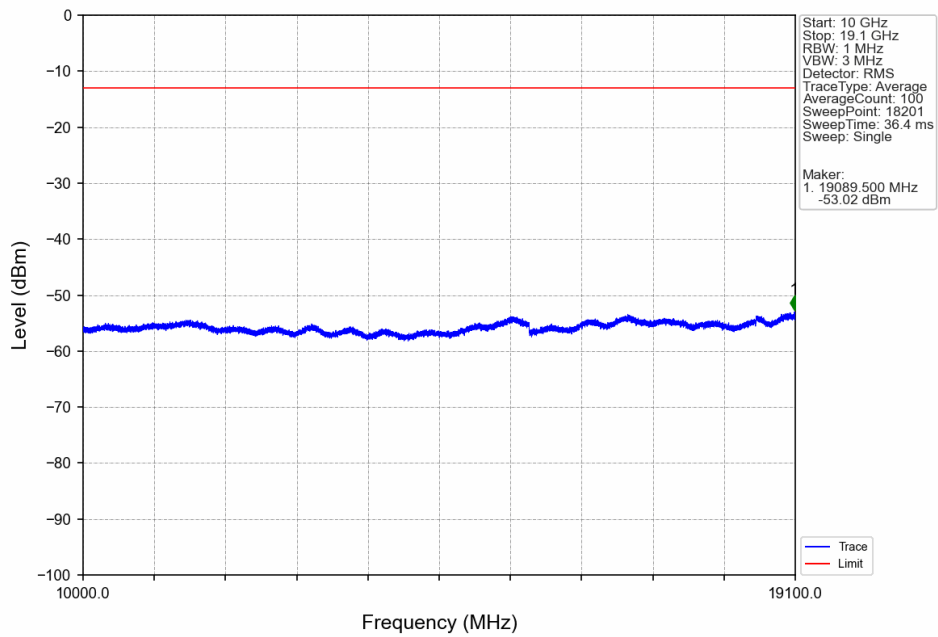


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1847	1849	1	CHP	1	1847.948	-28.41	-13	Pass
1849	1850	0.031	CHP	2	1849.994	-31.75	-13	Pass
1850	1853	0.031	CHP	/	/	/	/	/

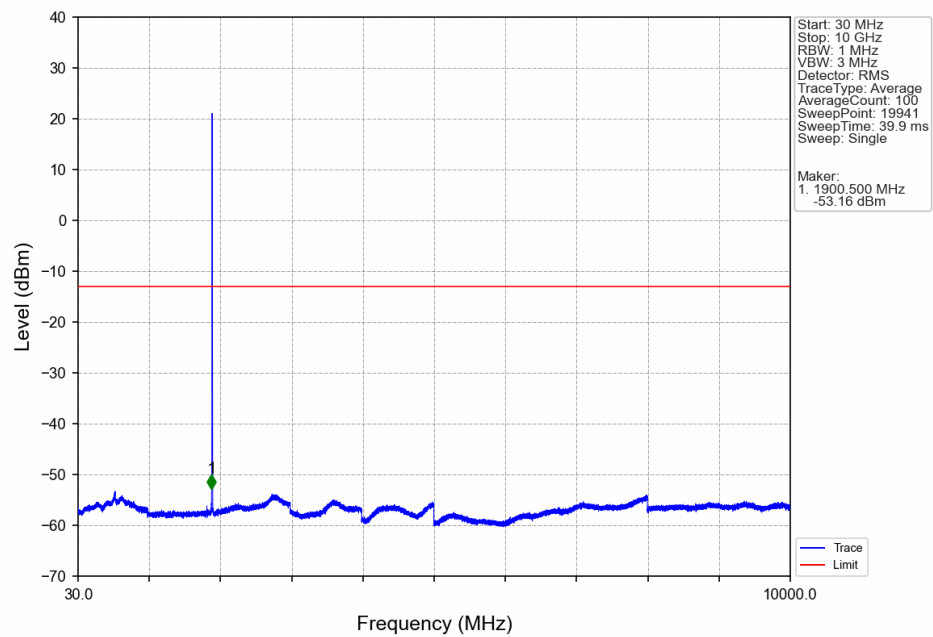
Band2_3MHz_QPSK_MCH_1880MHz_RB_1_0_NTNV



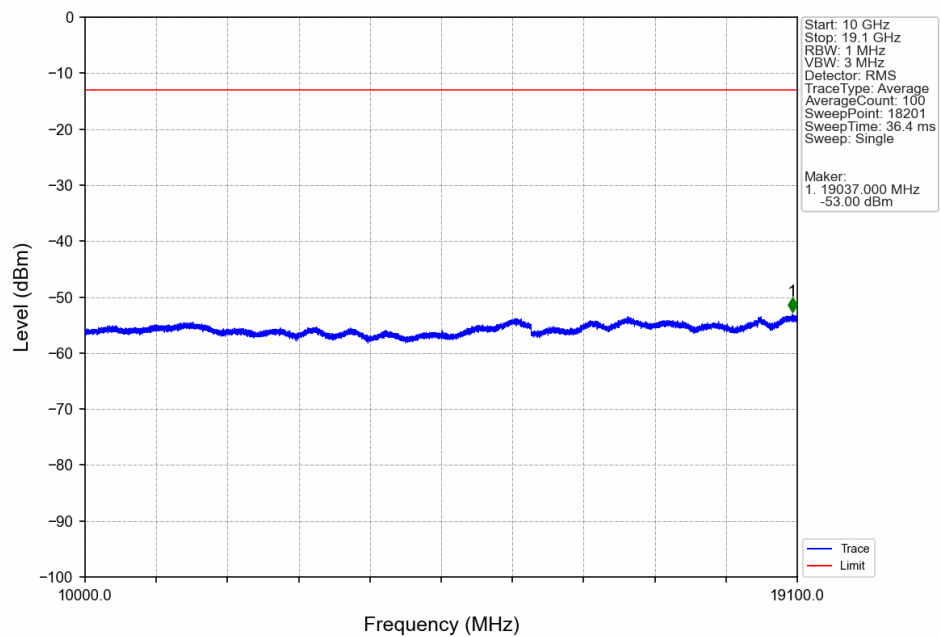
Band2_3MHz_QPSK_MCH_1880MHz_RB_1_0_NTNV



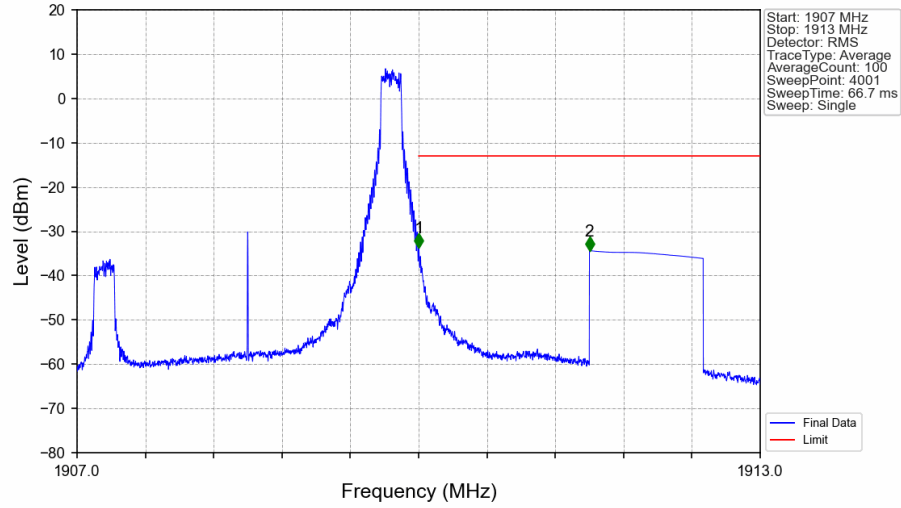
Band2_3MHz_QPSK_HCH_1908.5MHz_RB_1_0_NTNV



Band2_3MHz_QPSK_HCH_1908.5MHz_RB_1_0_NTNV

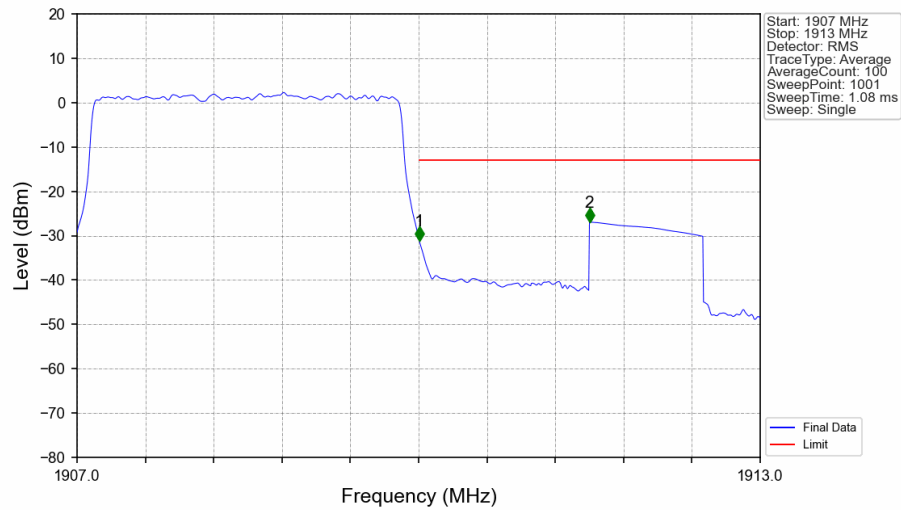


Band2_3MHz_QPSK_HCH_1908.5MHz_RB_1_14_NTNV



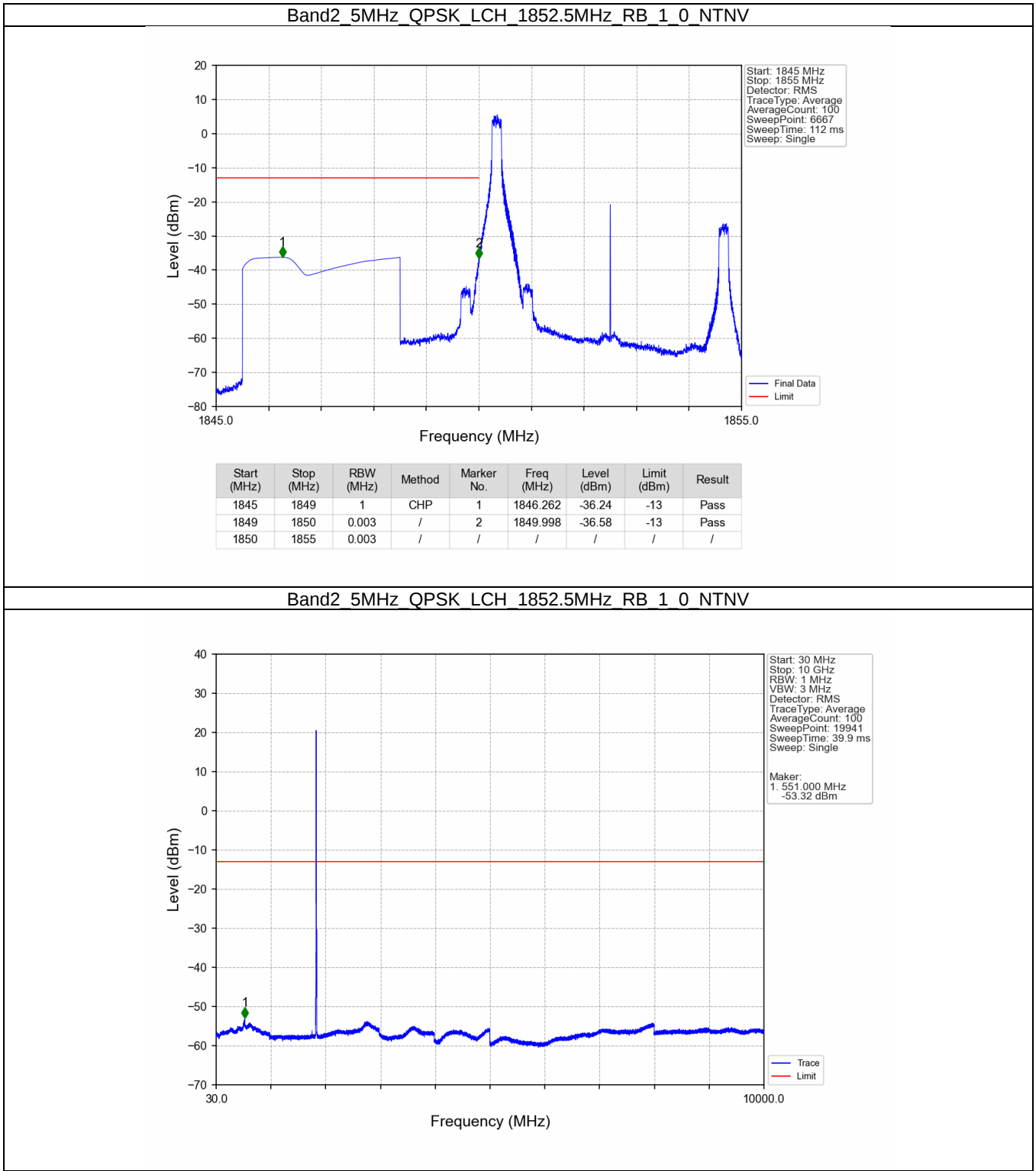
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1907	1910	0.003	/	/	/	/	/	/
1910	1911	0.003	/	1	1910.002	-33.73	-13	Pass
1911	1913	1	CHP	2	1911.500	-34.37	-13	Pass

Band2_3MHz_QPSK_HCH_1908.5MHz_RB_15_0_NTNV

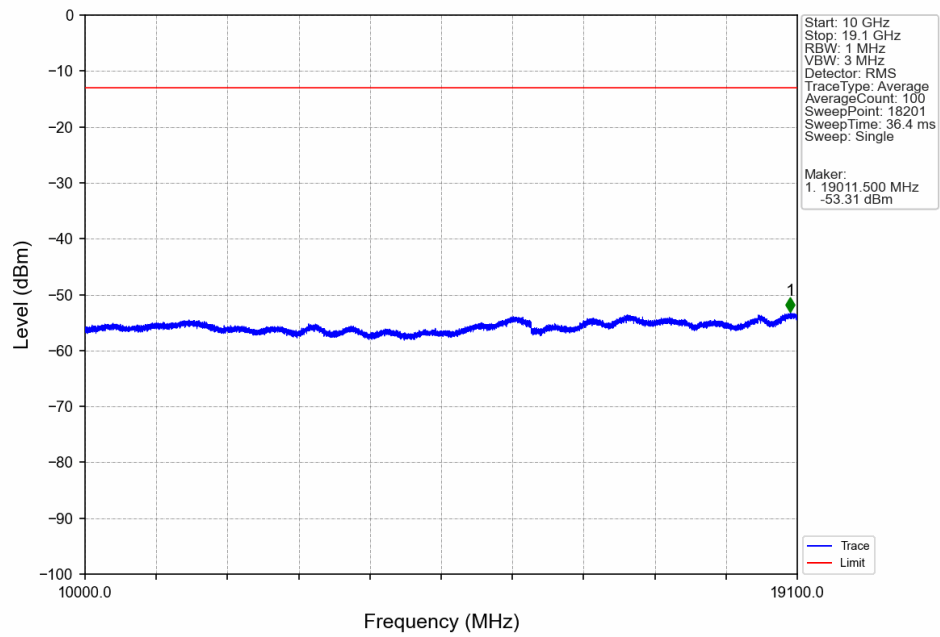


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1907	1910	0.031	CHP	/	/	/	/	/
1910	1911	0.031	CHP	1	1910.006	-31.16	-13	Pass
1911	1913	1	CHP	2	1911.500	-26.94	-13	Pass

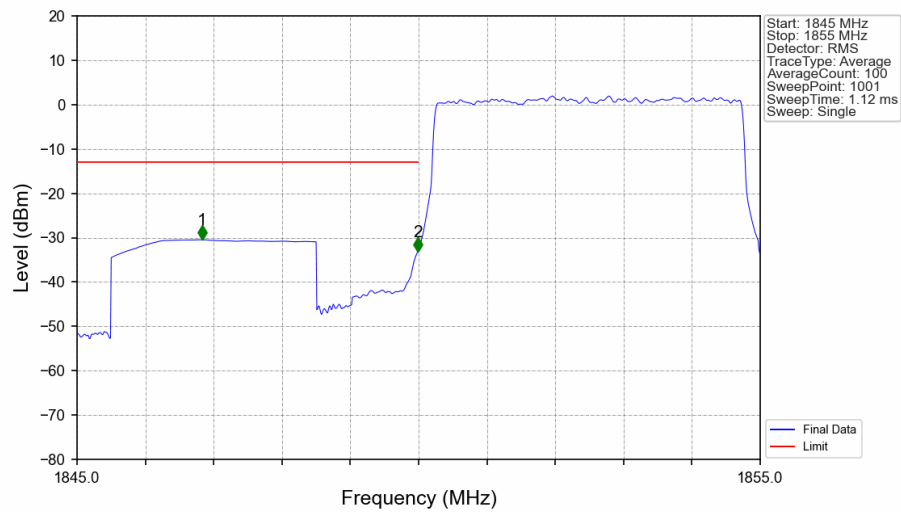
5.2.3 B2_5MHz



Band2_5MHz_QPSK_LCH_1852.5MHz_RB_1_0_NTNV

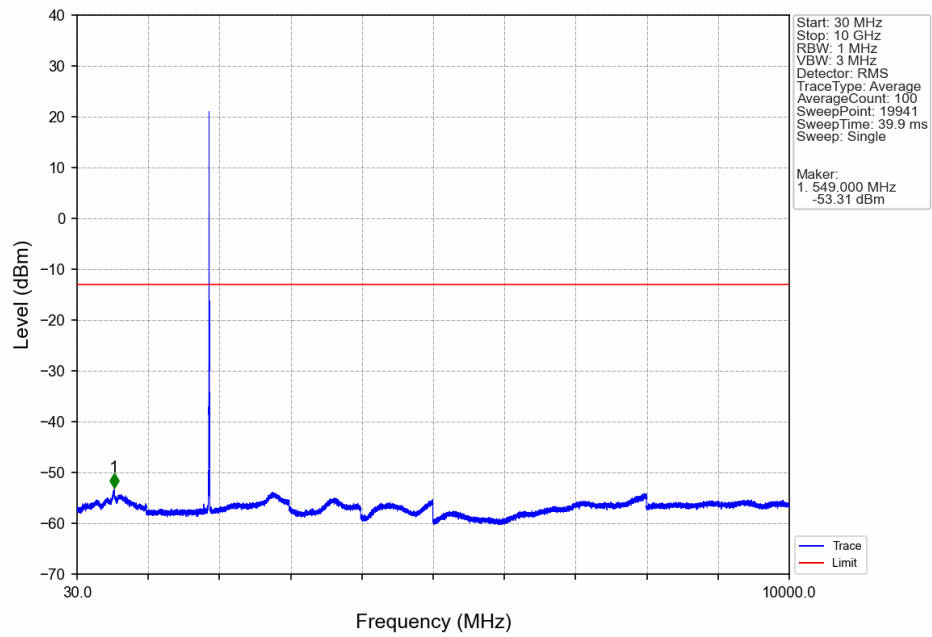


Band2_5MHz_QPSK_LCH_1852.5MHz_RB_25_0_NTNV

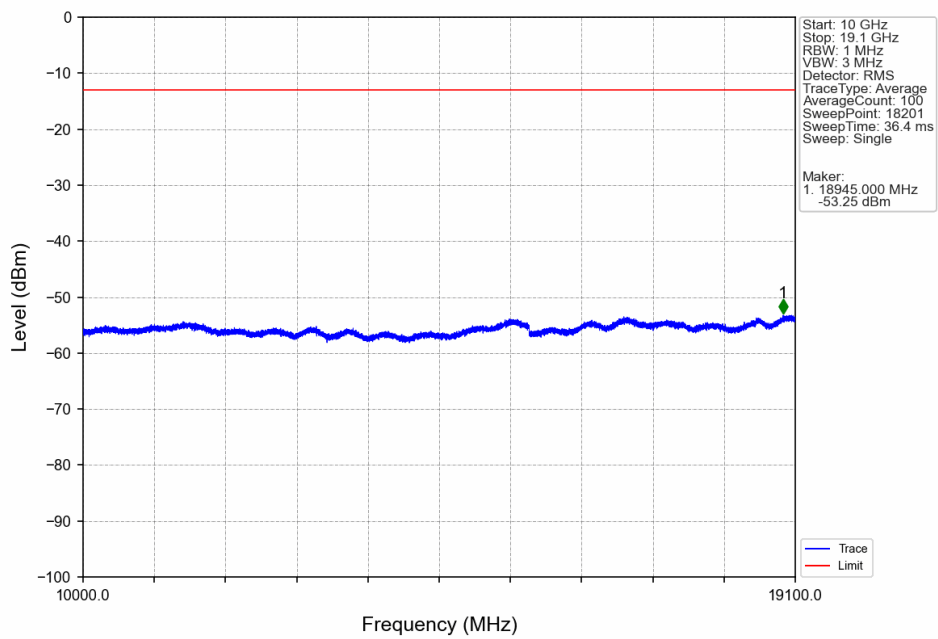


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1845	1849	1	CHP	1	1846.830	-30.48	-13	Pass
1849	1850	0.05	CHP	2	1849.990	-33.06	-13	Pass
1850	1855	0.05	CHP	/	/	/	/	/

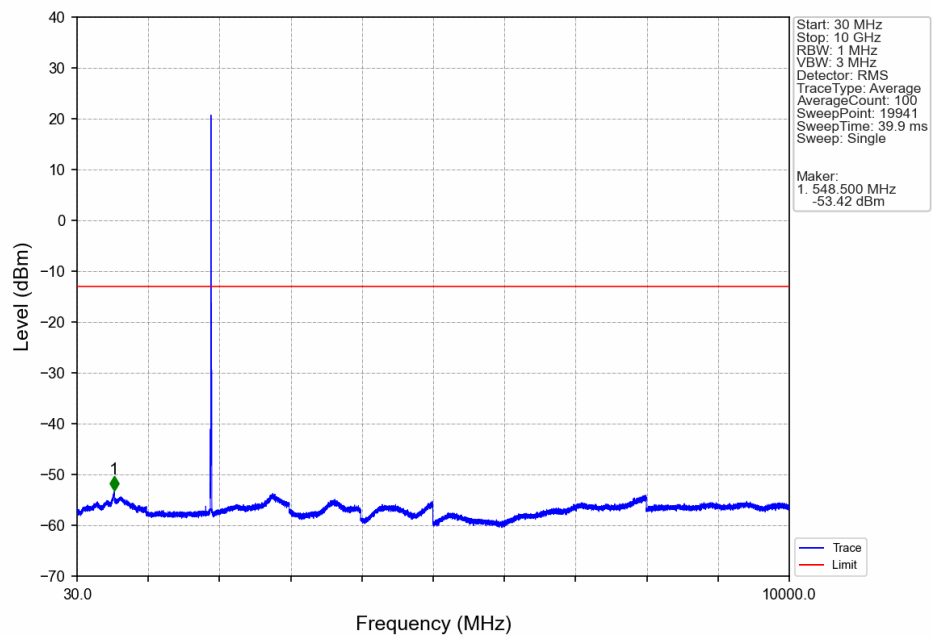
Band2_5MHz_QPSK_MCH_1880MHz_RB_1_0_NTNV



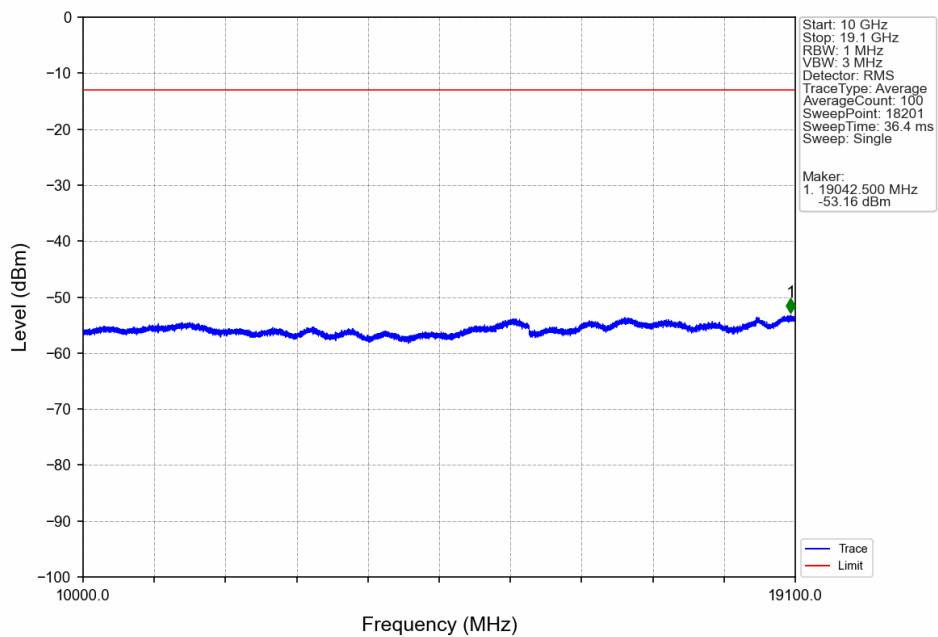
Band2_5MHz_QPSK_MCH_1880MHz_RB_1_0_NTNV



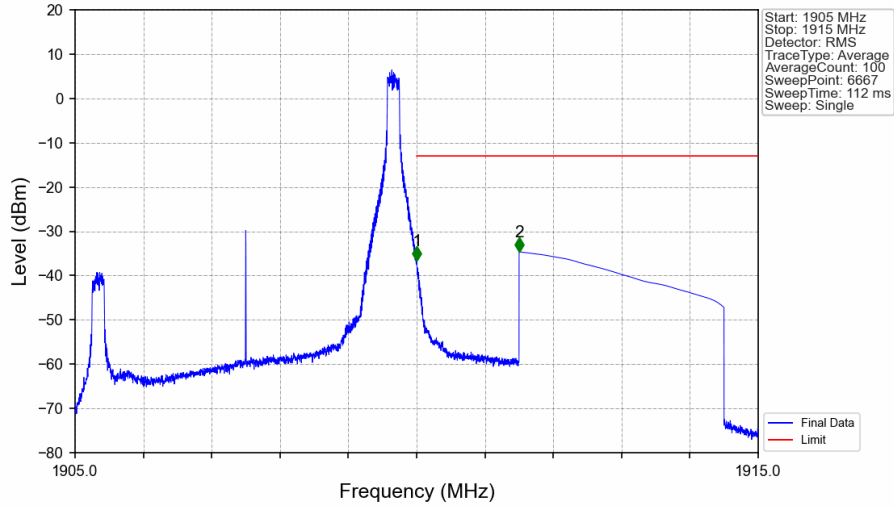
Band2_5MHz_QPSK_HCH_1907.5MHz_RB_1_0_NTNV



Band2_5MHz_QPSK_HCH_1907.5MHz_RB_1_0_NTNV

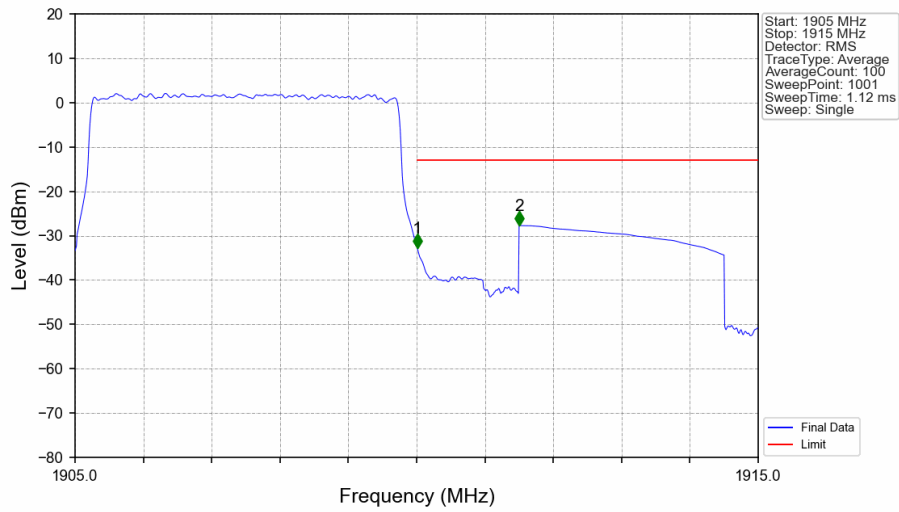


Band2_5MHz_QPSK_HCH_1907.5MHz_RB_1_24_NTNV



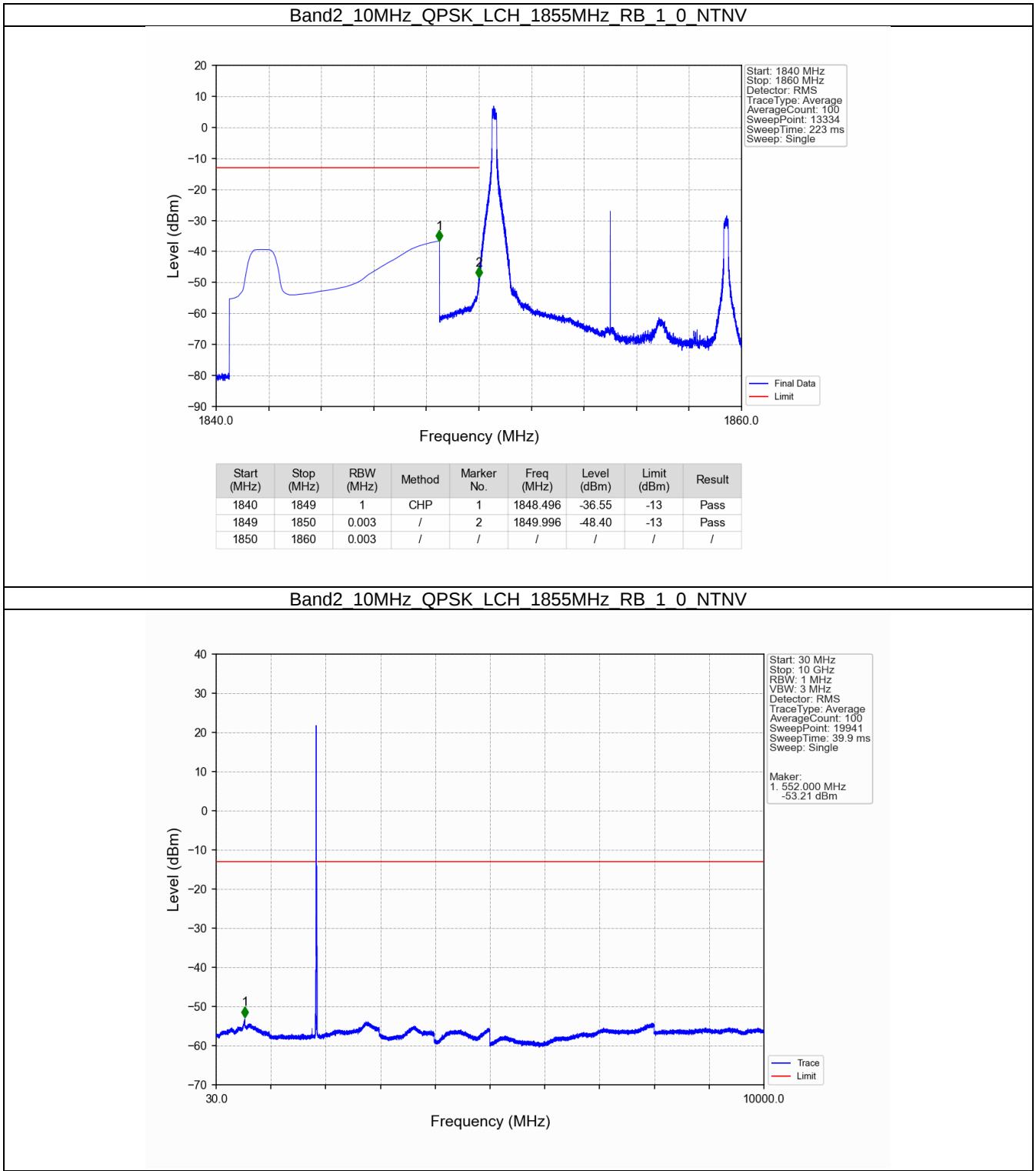
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1905	1910	0.003	/	/	/	/	/	/
1910	1911	0.003	/	1	1910.002	-36.61	-13	Pass
1911	1915	1	CHP	2	1911.500	-34.63	-13	Pass

Band2_5MHz_QPSK_HCH_1907.5MHz_RB_25_0_NTNV

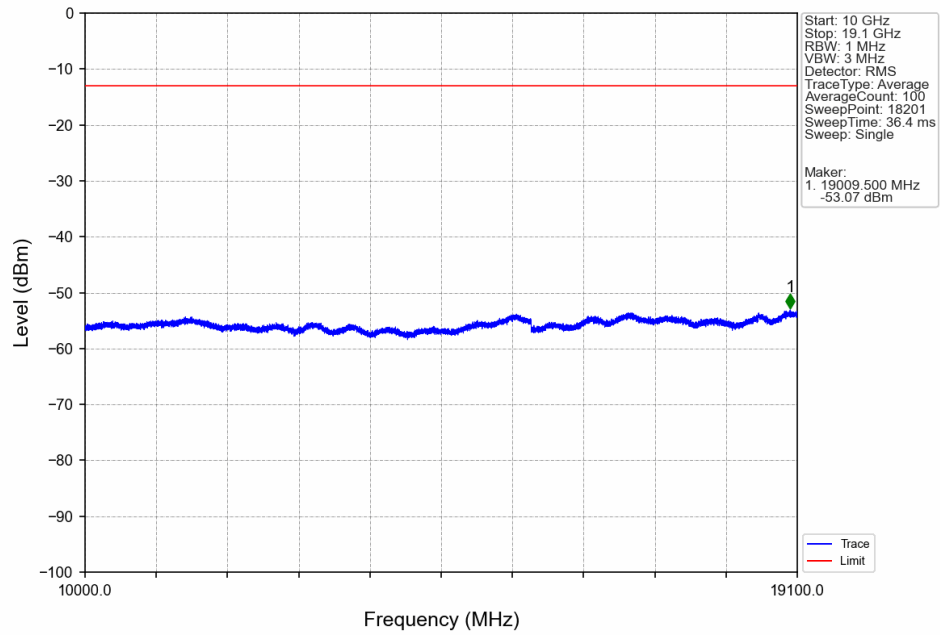


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1905	1910	0.05	CHP	/	/	/	/	/
1910	1911	0.05	CHP	1	1910.010	-32.81	-13	Pass
1911	1915	1	CHP	2	1911.500	-27.72	-13	Pass

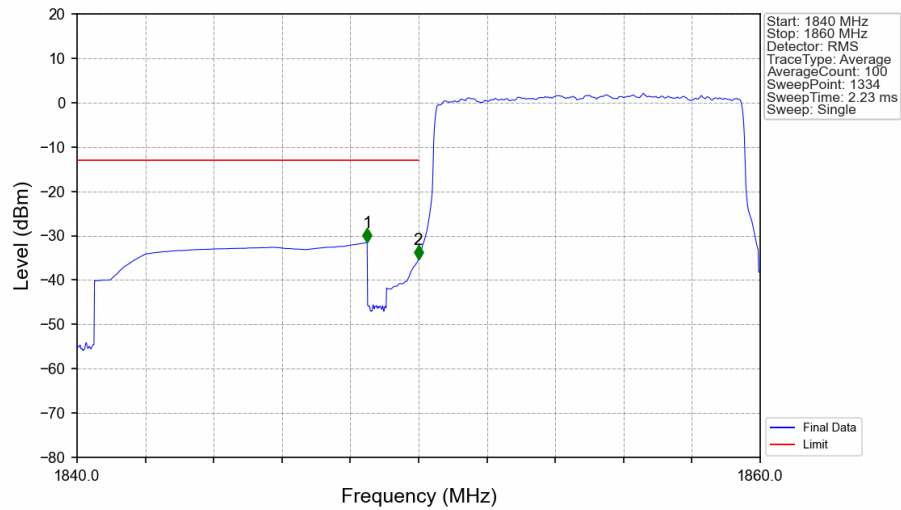
5.2.4 B2_10MHz



Band2_10MHz_QPSK_LCH_1855MHz_RB_1_0_NTNV

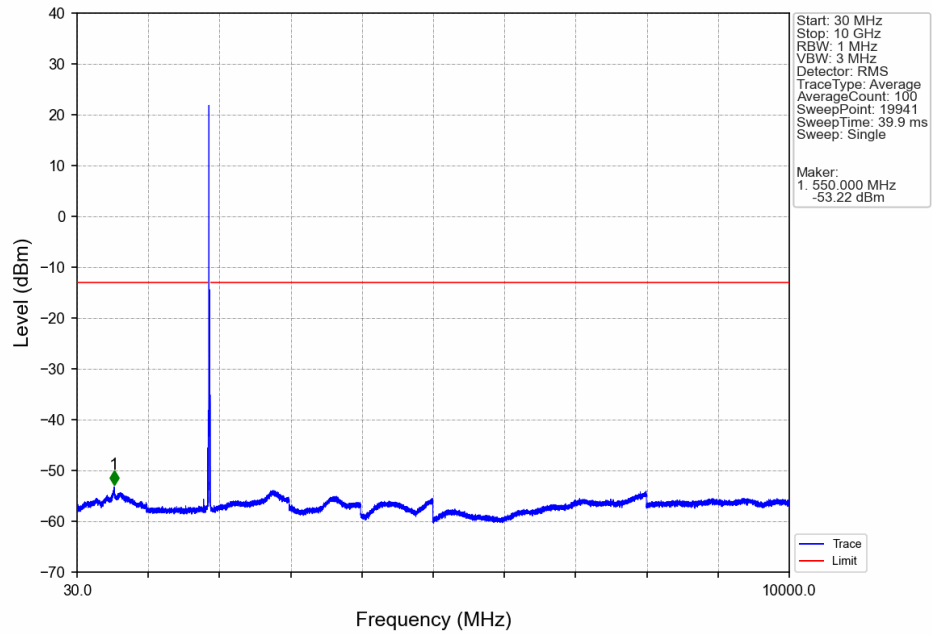


Band2_10MHz_QPSK_LCH_1855MHz_RB_50_0_NTNV

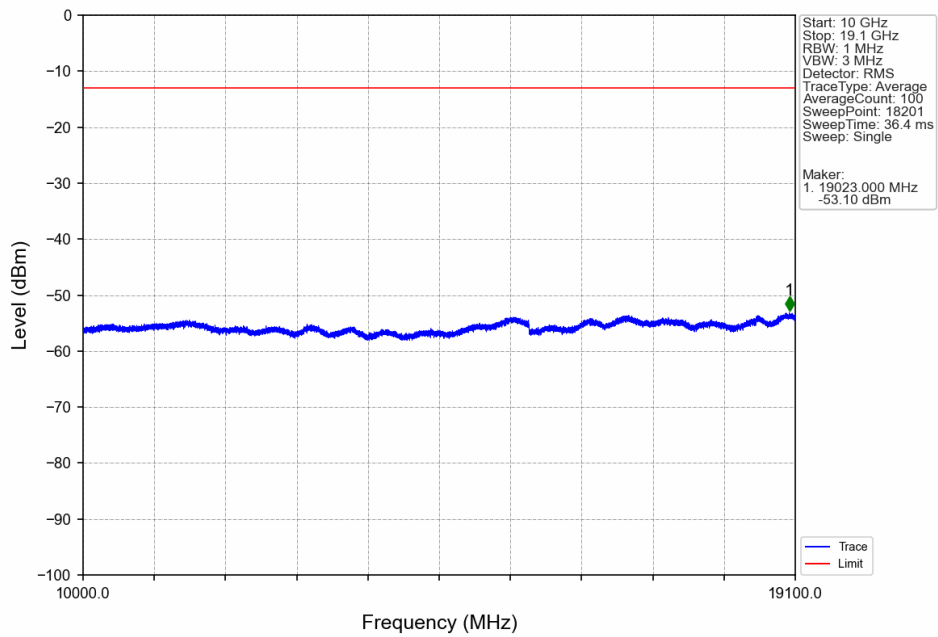


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1840	1849	1	CHP	1	1848.492	-31.56	-13	Pass
1849	1850	0.097	CHP	2	1849.992	-35.28	-13	Pass
1850	1860	0.097	CHP	/	/	/	/	/

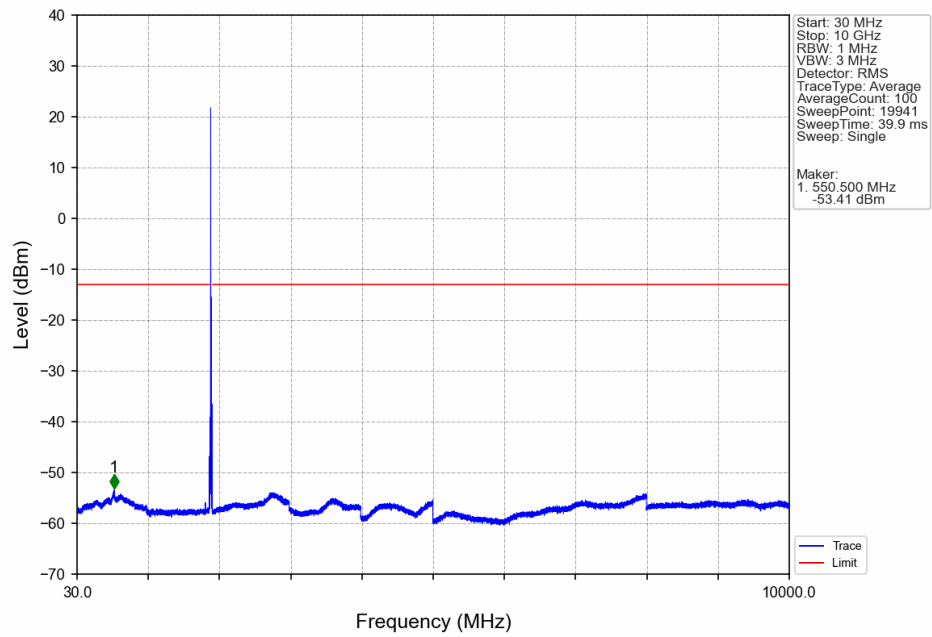
Band2_10MHz_QPSK_MCH_1880MHz_RB_1_0_NTNV



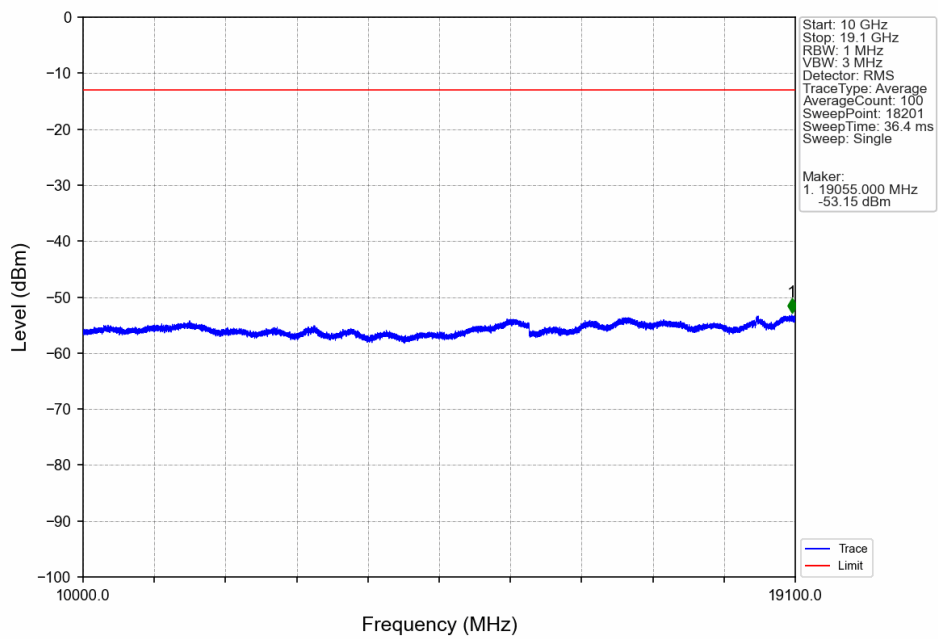
Band2_10MHz_QPSK_MCH_1880MHz_RB_1_0_NTNV



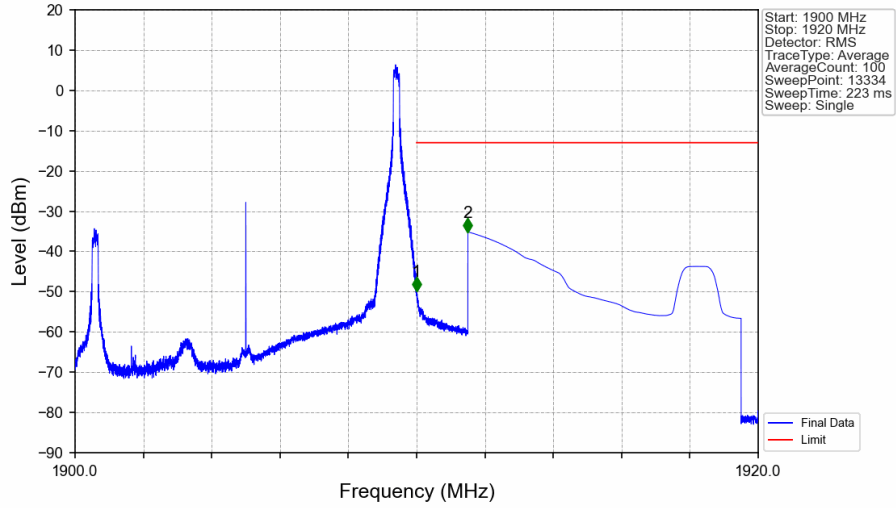
Band2_10MHz_QPSK_HCH_1905MHz_RB_1_0_NTNV



Band2_10MHz_QPSK_HCH_1905MHz_RB_1_0_NTNV

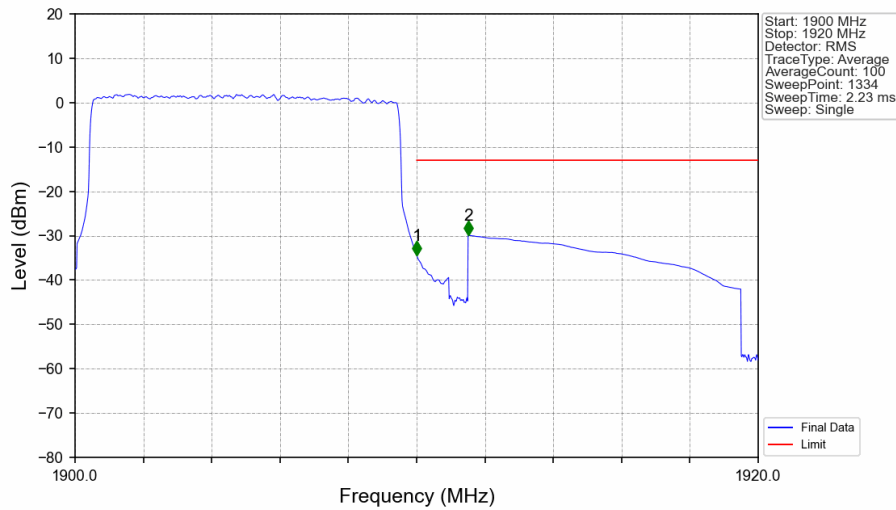


Band2_10MHz_QPSK_HCH_1905MHz_RB_1_49_NTNV



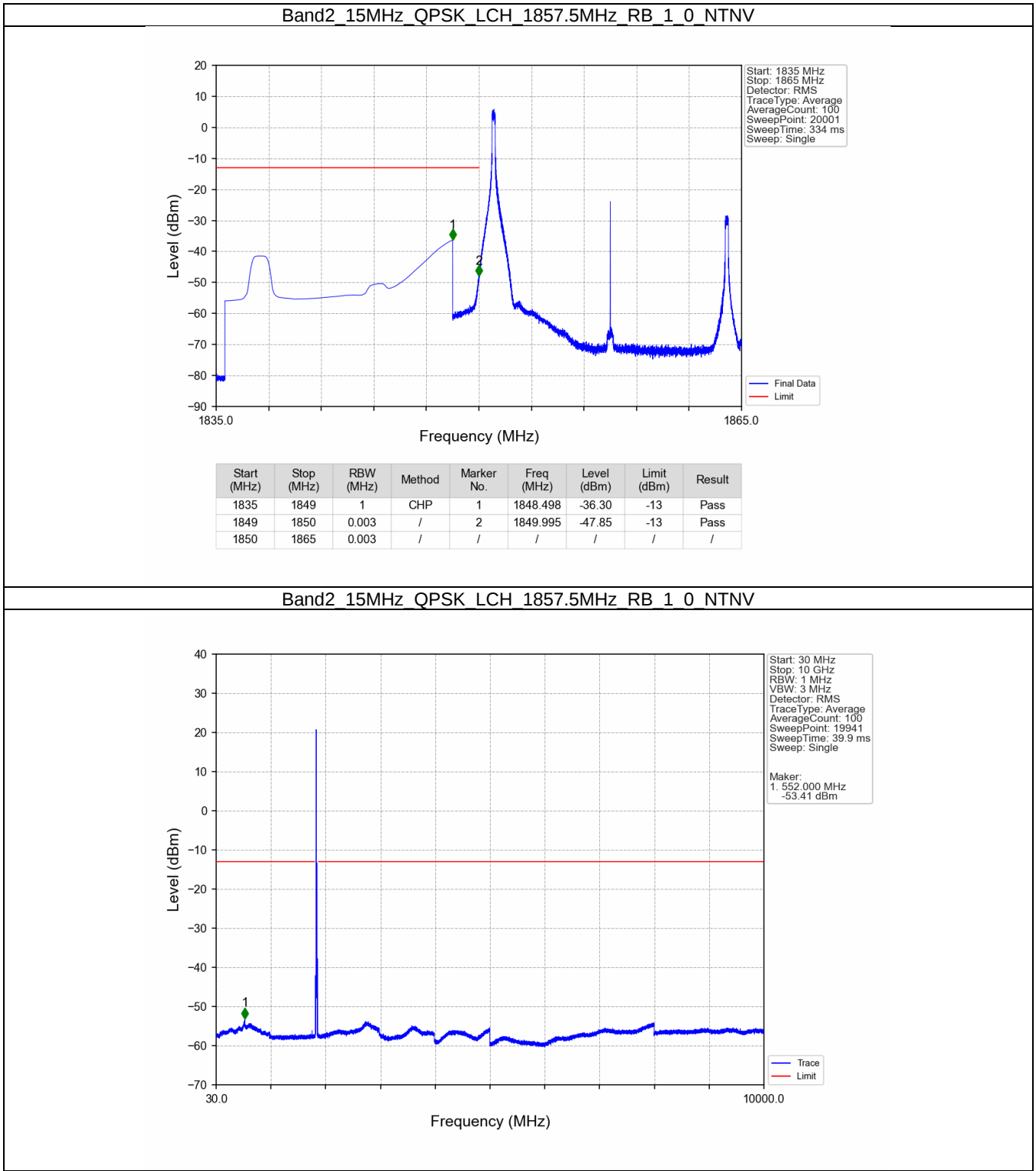
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1900	1910	0.003	/	/	/	/	/	/
1910	1911	0.003	/	1	1910.001	-49.88	-13	Pass
1911	1920	1	CHP	2	1911.501	-35.17	-13	Pass

Band2_10MHz_QPSK_HCH_1905MHz_RB_50_0_NTNV

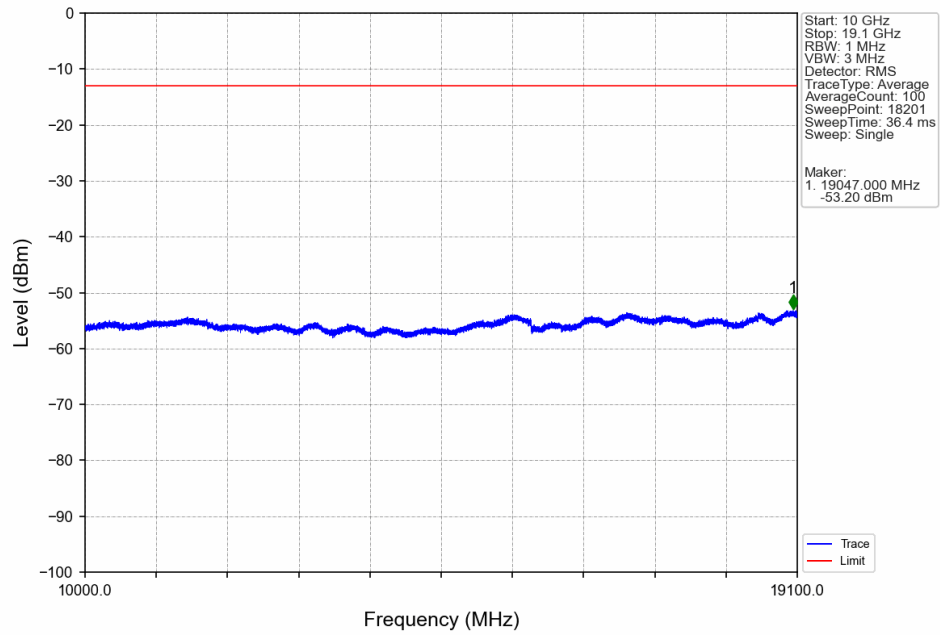


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1900	1910	0.097	CHP	/	/	/	/	/
1910	1911	0.097	CHP	1	1910.008	-34.49	-13	Pass
1911	1920	1	CHP	2	1911.508	-29.92	-13	Pass

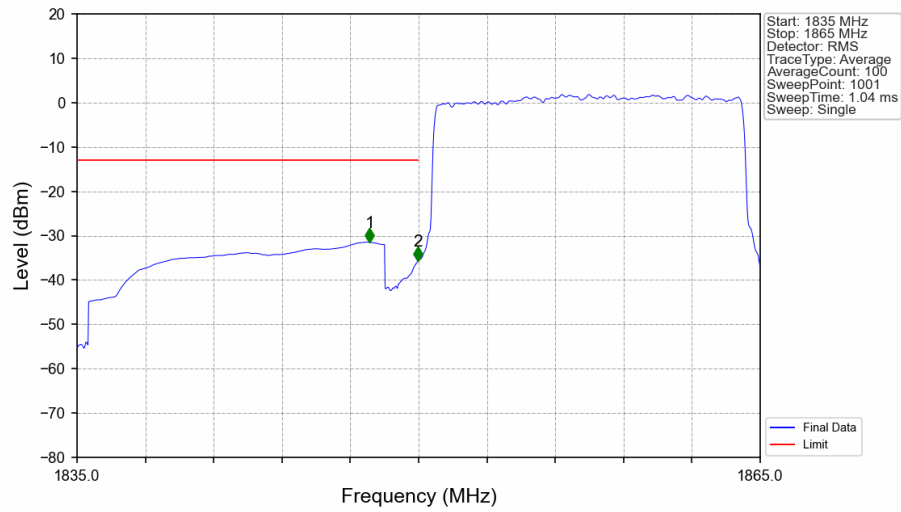
5.2.5 B2_15MHz



Band2_15MHz_QPSK_LCH_1857.5MHz_RB_1_0_NTNV

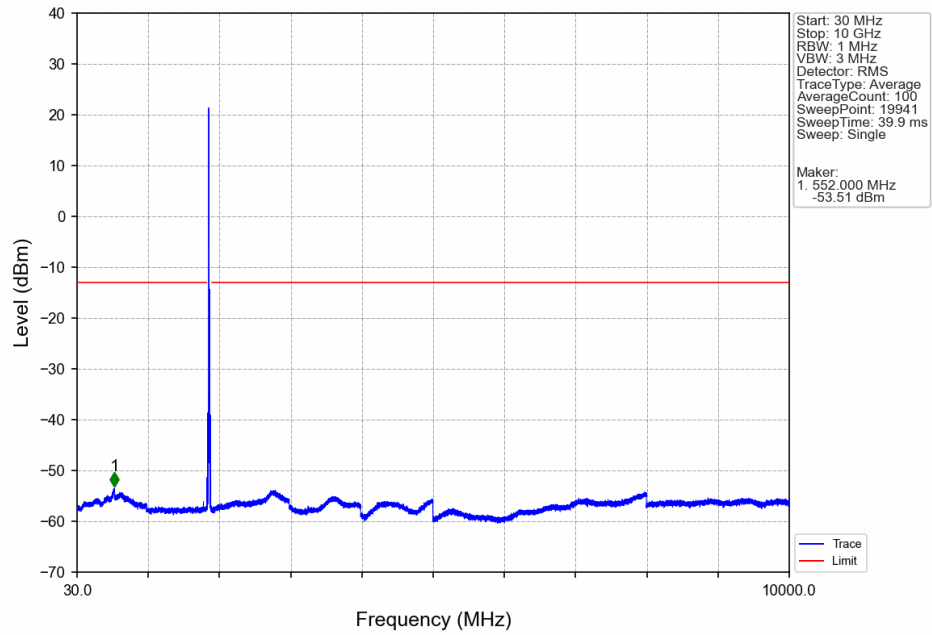


Band2_15MHz_QPSK_LCH_1857.5MHz_RB_75_0_NTNV

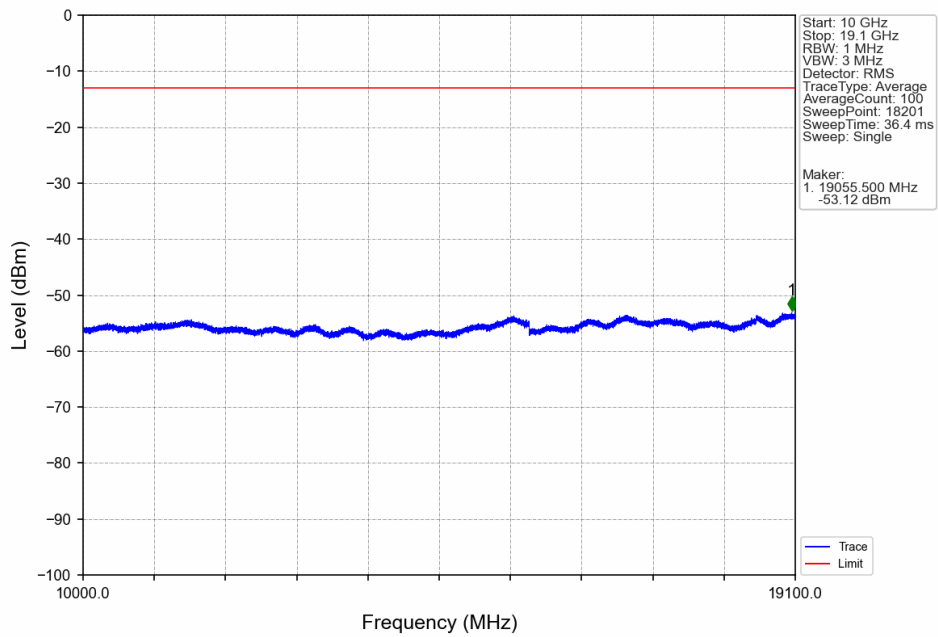


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1835	1849	1	CHP	1	1847.840	-31.43	-13	Pass
1849	1850	0.146	CHP	2	1849.970	-35.72	-13	Pass
1850	1865	0.146	CHP	/	/	/	/	/

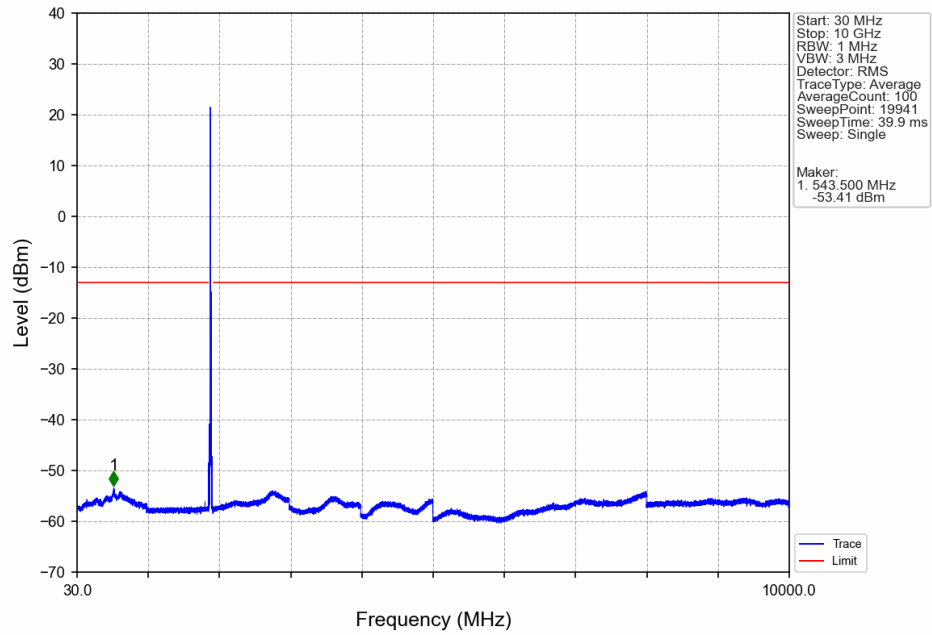
Band2_15MHz_QPSK_MCH_1880MHz_RB_1_0_NTNV



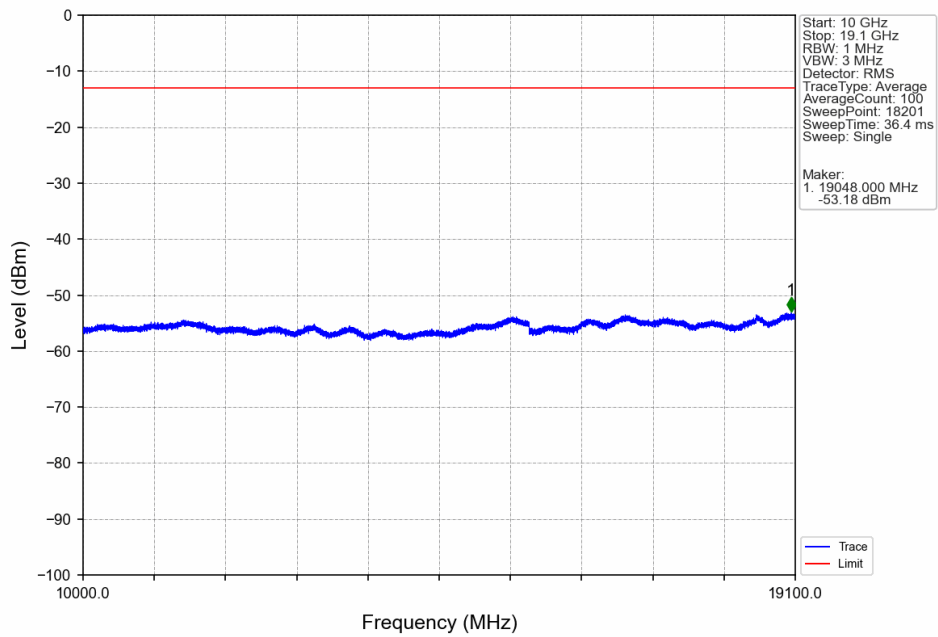
Band2_15MHz_QPSK_MCH_1880MHz_RB_1_0_NTNV



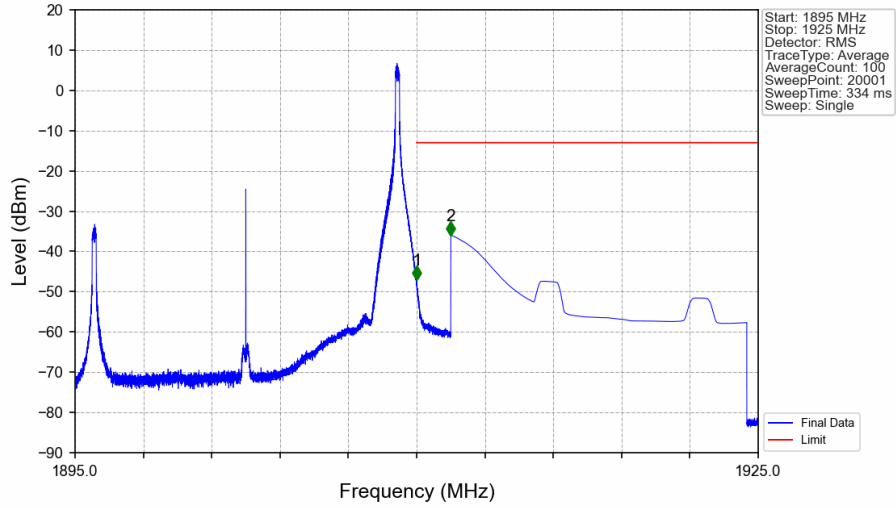
Band2_15MHz_QPSK_HCH_1902.5MHz_RB_1_0_NTNV



Band2_15MHz_QPSK_HCH_1902.5MHz_RB_1_0_NTNV

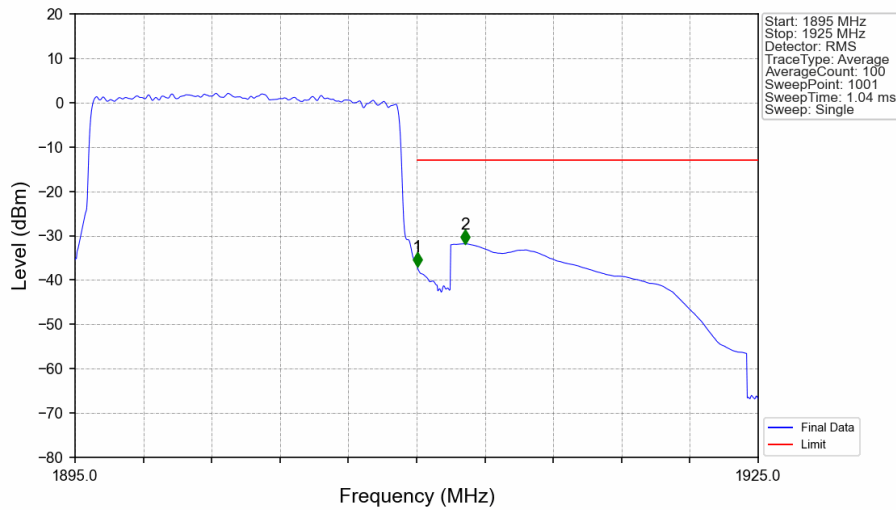


Band2_15MHz_QPSK_HCH_1902.5MHz_RB_1_74_NTNV



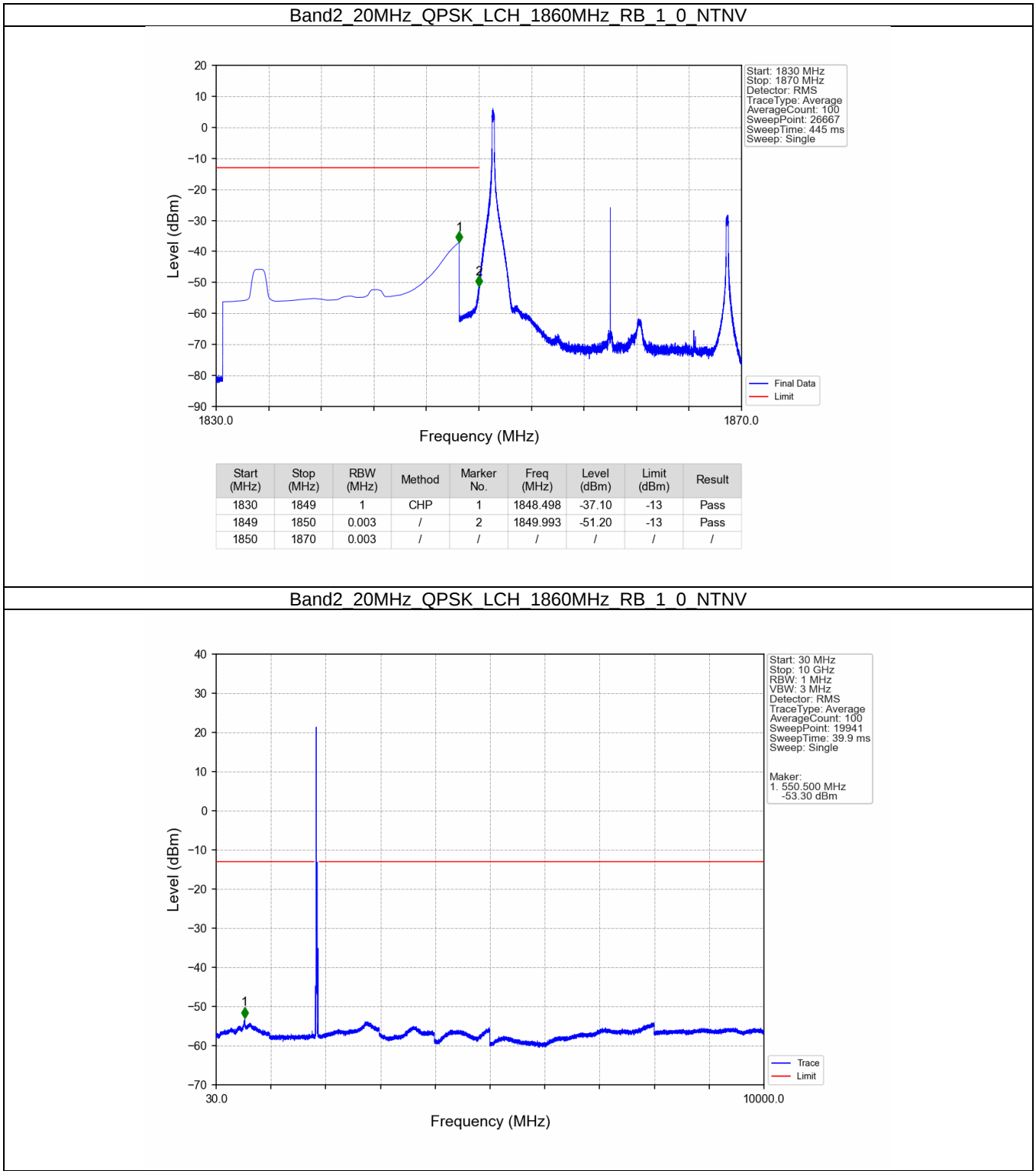
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1895	1910	0.003	/	/	/	/	/	/
1910	1911	0.003	/	1	1910.003	-47.06	-13	Pass
1911	1925	1	CHP	2	1911.500	-35.97	-13	Pass

Band2_15MHz_QPSK_HCH_1902.5MHz_RB_75_0_NTNV

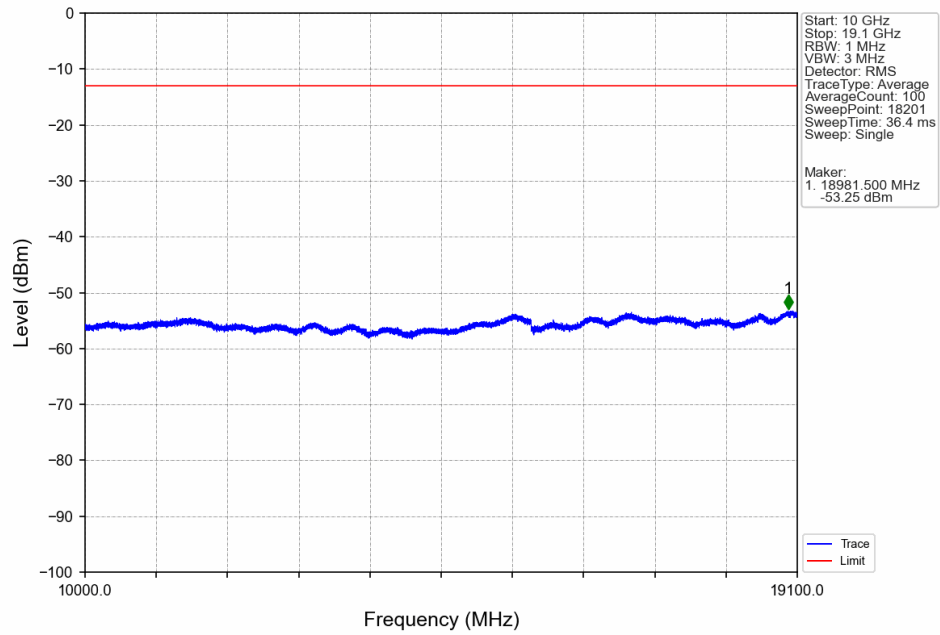


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1895	1910	0.147	CHP	/	/	/	/	/
1910	1911	0.147	CHP	1	1910.030	-37.04	-13	Pass
1911	1925	1	CHP	2	1912.130	-31.84	-13	Pass

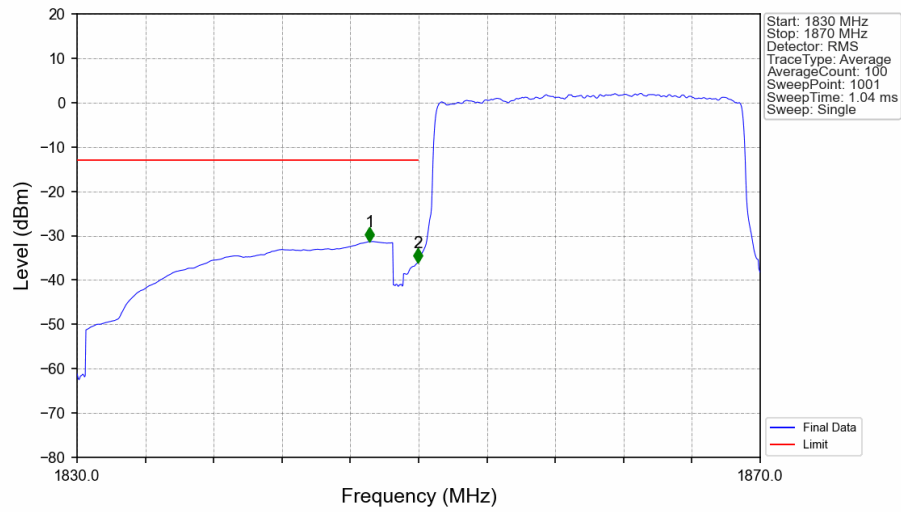
5.2.6 B2_20MHz



Band2_20MHz_QPSK_LCH_1860MHz_RB_1_0_NTNV

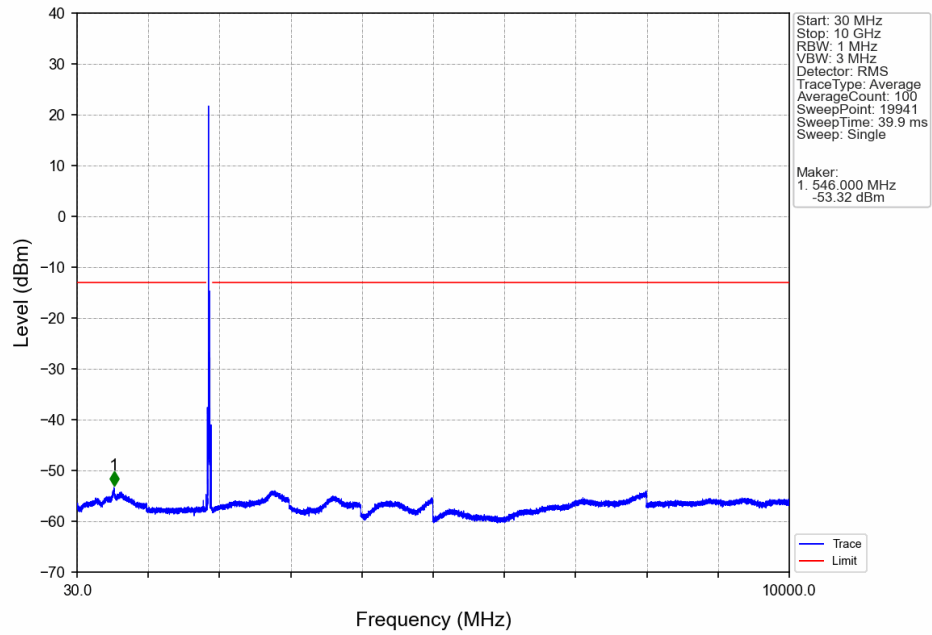


Band2_20MHz_QPSK_LCH_1860MHz_RB_100_0_NTNV

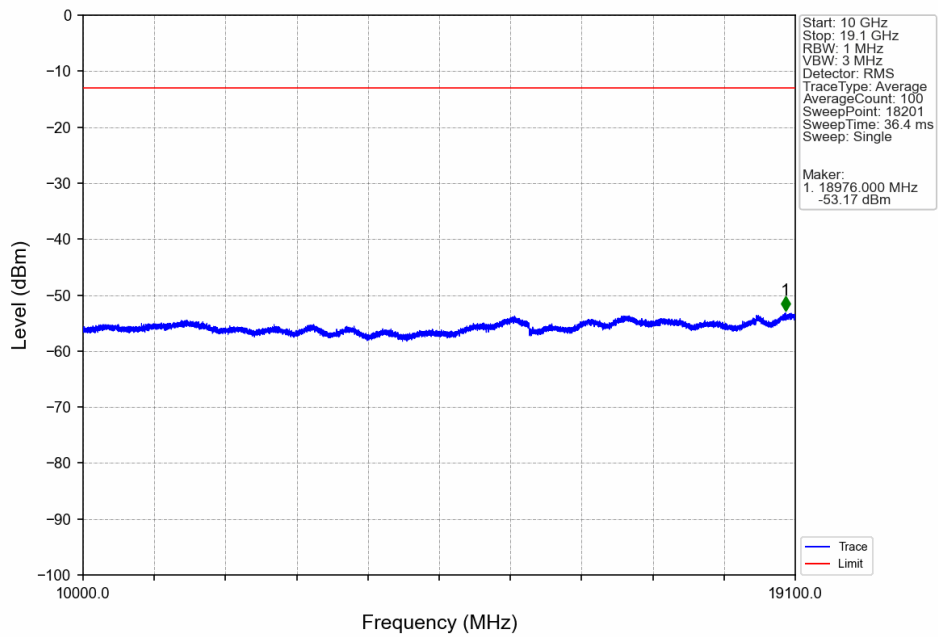


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1830	1849	0.196	CHP	1	1847.120	-31.32	-13	Pass
1849	1850	0.196	CHP	2	1849.960	-36.04	-13	Pass
1850	1870	0.196	CHP	/	/	/	/	/

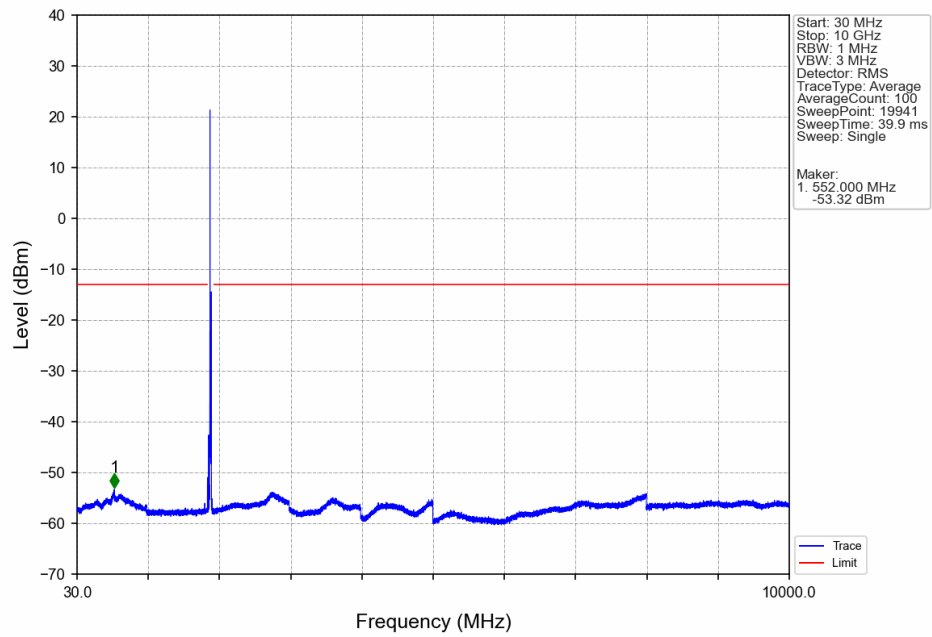
Band2_20MHz_QPSK_MCH_1880MHz_RB_1_0_NTNV



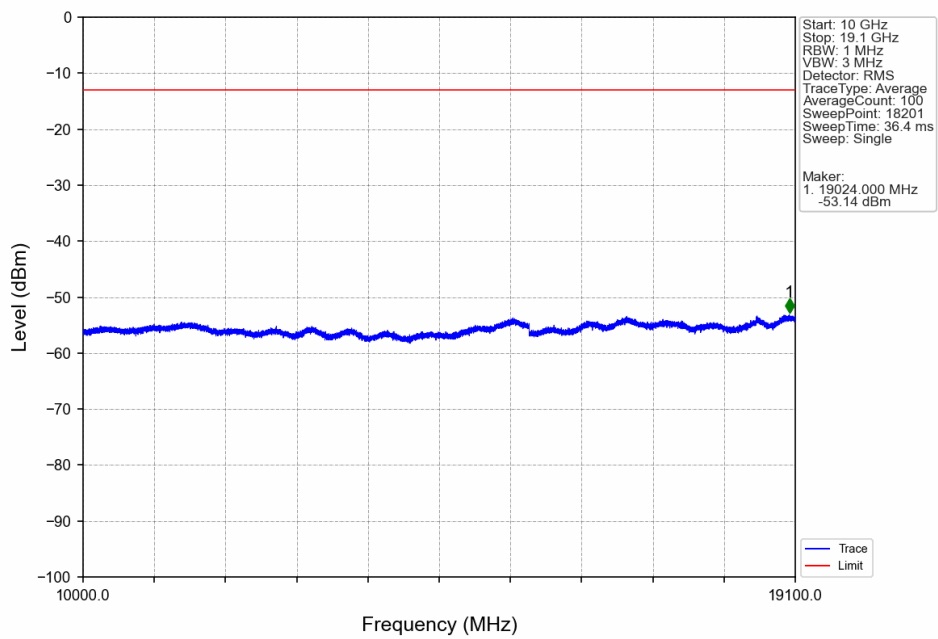
Band2_20MHz_QPSK_MCH_1880MHz_RB_1_0_NTNV



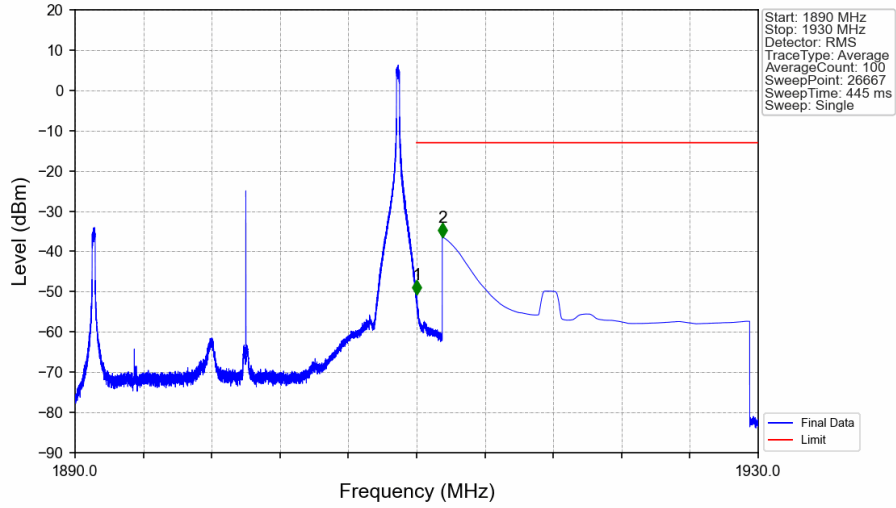
Band2_20MHz_QPSK_HCH_1900MHz_RB_1_0_NTNV



Band2_20MHz_QPSK_HCH_1900MHz_RB_1_0_NTNV

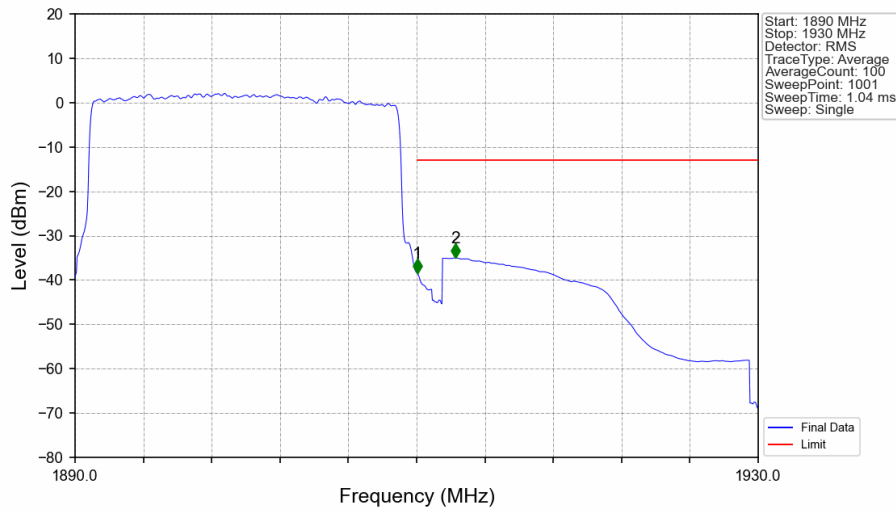


Band2_20MHz_QPSK_HCH_1900MHz_RB_1_99_NTNV



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	1910.006	-50.73	-13	Pass
1911	1930	1	CHP	2	1911.500	-36.39	-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	0.196	CHP	/	/	/	/	/
1910	1911	0.196	CHP	1	1910.040	-38.49	-13	Pass
1911	1930	1	CHP	2	1912.280	-35.01	-13	Pass

6. Field Strength of Spurious Radiation

Test Band = LTE Band 2_ TM1

Test Channel = Low Channel

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3702	65.64	-48.50	28.82	-49.30	-13.00	36.30	Horizontal
2	5553	57.21	-47.66	32.62	-53.09	-13.00	40.09	Horizontal
3	7404.36	62.22	-46.17	36.23	-42.98	-13.00	29.98	Horizontal
4	9255.45	58.07	-43.17	37.76	-42.60	-13.00	29.60	Horizontal
5	11106.54	48.17	-40.36	39.49	-47.96	-13.00	34.96	Horizontal
6	12957.63	48.98	-39.41	38.83	-46.86	-13.00	33.86	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3702	59.87	-48.50	28.82	-55.07	-13.00	42.07	Vertical
2	5553	61.28	-47.66	32.62	-49.02	-13.00	36.02	Vertical
3	7404.36	67.18	-46.17	36.23	-38.02	-13.00	25.02	Vertical
4	9255.45	65.58	-43.17	37.76	-35.09	-13.00	22.09	Vertical
5	11106.54	49.77	-40.36	39.49	-46.36	-13.00	33.36	Vertical
6	12957.63	49.31	-39.41	38.83	-46.53	-13.00	33.53	Vertical

Test Band = LTE Band 2_ TM1
Test Channel = Mid Channel

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	5613	58.63	-47.67	32.65	-51.66	-13.00	38.66	Horizontal
2	7484.25	62.29	-46.17	36.37	-42.77	-13.00	29.77	Horizontal
3	3742.18	60.84	-48.37	28.89	-53.90	-13.00	40.90	Horizontal
4	9355.45	57.36	-42.97	37.90	-42.98	-13.00	29.98	Horizontal
5	11226.54	47.22	-40.37	39.48	-48.93	-13.00	35.93	Horizontal
6	13097.63	49.43	-38.42	38.95	-45.30	-13.00	32.30	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	7484.25	70.68	-46.17	36.37	-34.38	-13.00	21.38	Vertical
2	3742.18	59.73	-48.37	28.89	-55.01	-13.00	42.01	Vertical
3	5613.27	60.91	-47.67	32.65	-49.38	-13.00	36.38	Vertical
4	9355.45	64.36	-42.97	37.90	-35.98	-13.00	22.98	Vertical
5	11226.54	48.69	-40.37	39.48	-47.46	-13.00	34.46	Vertical
6	13097.63	48.97	-38.42	38.95	-45.76	-13.00	32.76	Vertical

Test Band = LTE Band 2_ TM1
Test Channel = High Channel

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	5673	56.43	-47.55	32.67	-53.71	-13.00	40.71	Horizontal
2	9455.25	62.61	-42.67	38.04	-37.29	-13.00	24.29	Horizontal
3	3782.18	62.47	-48.24	28.95	-52.08	-13.00	39.08	Horizontal
4	7564.36	60.96	-45.14	36.39	-43.05	-13.00	30.05	Horizontal
5	11346.54	48.47	-40.28	39.47	-47.61	-13.00	34.61	Horizontal
6	13237.63	49.31	-38.85	39.16	-45.64	-13.00	32.64	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	9455.25	63.80	-42.67	38.04	-36.10	-13.00	23.10	Vertical
2	3782.18	61.26	-48.24	28.95	-53.29	-13.00	40.29	Vertical
3	5673.27	60.20	-47.55	32.67	-49.94	-13.00	36.94	Vertical
4	7564.36	72.41	-45.14	36.39	-31.60	-13.00	18.60	Vertical
5	11346.54	49.36	-40.28	39.47	-46.72	-13.00	33.72	Vertical
6	13237.63	49.14	-38.85	39.16	-45.81	-13.00	32.81	Vertical