1. Effective (Isotropic) Radiated Power Output Data

1.1 B25_1.4MHz_EIRP

1.1.1 Test Result

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	23.62	1.8	25.42	<=33.01	Pass
			2	23.67	1.8	25.47	<=33.01	Pass
			5	23.64	1.8	25.44	<=33.01	Pass
		3	0	23.61	1.8	25.41	<=33.01	Pass
			2	23.66	1.8	25.46	<=33.01	Pass
			3	23.65	1.8	25.45	<=33.01	Pass
		6	0	22.65	1.8	24.45	<=33.01	Pass
	1882.5	1	0	23.7	1.8	25.5	<=33.01	Pass
			2	23.75	1.8	25.55	<=33.01	Pass
			5	23.75	1.8	25.55	<=33.01	Pass
		3	0	23.72	1.8	25.52	<=33.01	Pass
			2	23.7	1.8	25.5	<=33.01	Pass
			3	23.75	1.8	25.55	<=33.01	Pass
		6	0	22.72	1.8	24.52	<=33.01	Pass
	1914.3	1	0	23.59	1.8	25.39	<=33.01	Pass
			2	23.64	1.8	25.44	<=33.01	Pass
			5	23.61	1.8	25.41	<=33.01	Pass
		3	0	23.62	1.8	25.42	<=33.01	Pass
			2	23.6	1.8	25.4	<=33.01	Pass
			3	23.6	1.8	25.4	<=33.01	Pass
		6	0	22.61	1.8	24.41	<=33.01	Pass
16QAM	1850.7	1	0	22.76	1.8	24.56	<=33.01	Pass
			2	22.77	1.8	24.57	<=33.01	Pass
			5	22.83	1.8	24.63	<=33.01	Pass
		3	0	22.73	1.8	24.53	<=33.01	Pass
			2	22.75	1.8	24.55	<=33.01	Pass
			3	22.74	1.8	24.54	<=33.01	Pass
		6	0	21.67	1.8	23.47	<=33.01	Pass
	1882.5	1	0	22.84	1.8	24.64	<=33.01	Pass
			2	22.88	1.8	24.68	<=33.01	Pass
			5	22.86	1.8	24.66	<=33.01	Pass
		3	0	22.82	1.8	24.62	<=33.01	Pass

			2	22.76	1.8	24.56	<=33.01	Pass
			3	22.75	1.8	24.55	<=33.01	Pass
		6	0	21.72	1.8	23.52	<=33.01	Pass
	1914.3	1	0	22.77	1.8	24.57	<=33.01	Pass
			2	22.76	1.8	24.56	<=33.01	Pass
			5	22.74	1.8	24.54	<=33.01	Pass
		3	0	22.72	1.8	24.52	<=33.01	Pass
			2	22.7	1.8	24.5	<=33.01	Pass
			3	22.7	1.8	24.5	<=33.01	Pass
		6	0	21.63	1.8	23.43	<=33.01	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.2 B25_3MHz_EIRP

1.2.1 Test Result

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	23.57	1.8	25.37	<=33.01	Pass
			7	23.66	1.8	25.46	<=33.01	Pass
			14	23.57	1.8	25.37	<=33.01	Pass
		8	0	22.67	1.8	24.47	<=33.01	Pass
			4	22.7	1.8	24.5	<=33.01	Pass
			7	22.69	1.8	24.49	<=33.01	Pass
		15	0	22.66	1.8	24.46	<=33.01	Pass
	1882.5	1	0	23.73	1.8	25.53	<=33.01	Pass
			7	23.75	1.8	25.55	<=33.01	Pass
			14	23.7	1.8	25.5	<=33.01	Pass
		8	0	22.75	1.8	24.55	<=33.01	Pass
			4	22.8	1.8	24.6	<=33.01	Pass
			7	22.75	1.8	24.55	<=33.01	Pass
		15	0	22.75	1.8	24.55	<=33.01	Pass
	1913.5	1	0	23.61	1.8	25.41	<=33.01	Pass
			7	23.65	1.8	25.45	<=33.01	Pass
			14	23.6	1.8	25.4	<=33.01	Pass
		8	0	22.67	1.8	24.47	<=33.01	Pass
			4	22.67	1.8	24.47	<=33.01	Pass
			7	22.68	1.8	24.48	<=33.01	Pass
		15	0	22.68	1.8	24.48	<=33.01	Pass

16QAM	1851.5	1	0	22.77	1.8	24.57	<=33.01	Pass
			7	22.83	1.8	24.63	<=33.01	Pass
			14	22.83	1.8	24.63	<=33.01	Pass
		8	0	21.71	1.8	23.51	<=33.01	Pass
			4	21.76	1.8	23.56	<=33.01	Pass
			7	21.7	1.8	23.5	<=33.01	Pass
		15	0	21.68	1.8	23.48	<=33.01	Pass
	1882.5	1	0	22.91	1.8	24.71	<=33.01	Pass
			7	22.97	1.8	24.77	<=33.01	Pass
			14	22.87	1.8	24.67	<=33.01	Pass
		8	0	21.79	1.8	23.59	<=33.01	Pass
			4	21.85	1.8	23.65	<=33.01	Pass
			7	21.82	1.8	23.62	<=33.01	Pass
		15	0	21.8	1.8	23.6	<=33.01	Pass
	1913.5	1	0	22.78	1.8	24.58	<=33.01	Pass
			7	22.76	1.8	24.56	<=33.01	Pass
			14	22.75	1.8	24.55	<=33.01	Pass
		8	0	21.71	1.8	23.51	<=33.01	Pass
			4	21.73	1.8	23.53	<=33.01	Pass
			7	21.68	1.8	23.48	<=33.01	Pass
		15	0	21.73	1.8	23.53	<=33.01	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.3 B25_5MHz_EIRP

1.3.1 Test Result

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	23.69	1.8	25.49	<=33.01	Pass
			13	23.71	1.8	25.51	<=33.01	Pass
			24	23.67	1.8	25.47	<=33.01	Pass
		12	0	22.68	1.8	24.48	<=33.01	Pass
			6	22.72	1.8	24.52	<=33.01	Pass
			13	22.73	1.8	24.53	<=33.01	Pass
		25	0	22.7	1.8	24.5	<=33.01	Pass
	1882.5	1	0	23.72	1.8	25.52	<=33.01	Pass
			13	23.8	1.8	25.6	<=33.01	Pass
			24	23.74	1.8	25.54	<=33.01	Pass

		12	0	22.79	1.8	24.59	<=33.01	Pass
			6	22.79	1.8	24.59	<=33.01	Pass
			13	22.76	1.8	24.56	<=33.01	Pass
		25	0	22.74	1.8	24.54	<=33.01	Pass
	1912.5	1	0	23.66	1.8	25.46	<=33.01	Pass
			13	23.68	1.8	25.48	<=33.01	Pass
			24	23.63	1.8	25.43	<=33.01	Pass
		12	0	22.66	1.8	24.46	<=33.01	Pass
			6	22.69	1.8	24.49	<=33.01	Pass
			13	22.63	1.8	24.43	<=33.01	Pass
		25	0	22.66	1.8	24.46	<=33.01	Pass
16QAM	1852.5	1	0	22.78	1.8	24.58	<=33.01	Pass
			13	22.85	1.8	24.65	<=33.01	Pass
			24	22.7	1.8	24.5	<=33.01	Pass
		12	0	21.71	1.8	23.51	<=33.01	Pass
			6	21.75	1.8	23.55	<=33.01	Pass
			13	21.74	1.8	23.54	<=33.01	Pass
		25	0	21.7	1.8	23.5	<=33.01	Pass
	1882.5	1	0	22.82	1.8	24.62	<=33.01	Pass
			13	22.91	1.8	24.71	<=33.01	Pass
			24	22.86	1.8	24.66	<=33.01	Pass
		12	0	21.76	1.8	23.56	<=33.01	Pass
			6	21.84	1.8	23.64	<=33.01	Pass
			13	21.82	1.8	23.62	<=33.01	Pass
		25	0	21.8	1.8	23.6	<=33.01	Pass
	1912.5	1	0	22.76	1.8	24.56	<=33.01	Pass
			13	22.88	1.8	24.68	<=33.01	Pass
			24	22.83	1.8	24.63	<=33.01	Pass
		12	0	21.69	1.8	23.49	<=33.01	Pass
			6	21.72	1.8	23.52	<=33.01	Pass
			13	21.7	1.8	23.5	<=33.01	Pass
		25	0	21.67	1.8	23.47	<=33.01	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.4 B25_10MHz_EIRP

1.4.1 Test Result

Band: 25 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency	RB Allocation	Conducted Power	Gain	EIRP (dBm)	Verdict

	(MHz)	Size	Offset	(dBm)	(dBi)	Result	Limit	
QPSK	1855	1	0	23.62	1.8	25.42	<=33.01	Pass
			25	23.67	1.8	25.47	<=33.01	Pass
			49	23.63	1.8	25.43	<=33.01	Pass
		25	0	22.71	1.8	24.51	<=33.01	Pass
			13	22.74	1.8	24.54	<=33.01	Pass
			25	22.73	1.8	24.53	<=33.01	Pass
		50	0	22.82	1.8	24.62	<=33.01	Pass
	1882.5	1	0	23.67	1.8	25.47	<=33.01	Pass
			25	23.73	1.8	25.53	<=33.01	Pass
			49	23.67	1.8	25.47	<=33.01	Pass
		25	0	22.72	1.8	24.52	<=33.01	Pass
			13	22.78	1.8	24.58	<=33.01	Pass
			25	22.68	1.8	24.48	<=33.01	Pass
		50	0	22.74	1.8	24.54	<=33.01	Pass
	1910	1	0	23.56	1.8	25.36	<=33.01	Pass
			25	23.57	1.8	25.37	<=33.01	Pass
			49	23.58	1.8	25.38	<=33.01	Pass
		25	0	22.63	1.8	24.43	<=33.01	Pass
			13	22.66	1.8	24.46	<=33.01	Pass
			25	22.62	1.8	24.42	<=33.01	Pass
		50	0	22.74	1.8	24.54	<=33.01	Pass
16QAM	1855	1	0	22.81	1.8	24.61	<=33.01	Pass
			25	22.83	1.8	24.63	<=33.01	Pass
			49	22.75	1.8	24.55	<=33.01	Pass
		25	0	21.76	1.8	23.56	<=33.01	Pass
			13	21.79	1.8	23.59	<=33.01	Pass
			25	21.76	1.8	23.56	<=33.01	Pass
		50	0	21.8	1.8	23.6	<=33.01	Pass
	1882.5	1	0	22.85	1.8	24.65	<=33.01	Pass
			25	22.86	1.8	24.66	<=33.01	Pass
			49	22.81	1.8	24.61	<=33.01	Pass
		25	0	21.75	1.8	23.55	<=33.01	Pass
			13	21.79	1.8	23.59	<=33.01	Pass
			25	21.68	1.8	23.48	<=33.01	Pass
		50	0	21.74	1.8	23.54	<=33.01	Pass
	1910	1	0	22.74	1.8	24.54	<=33.01	Pass
			25	22.82	1.8	24.62	<=33.01	Pass

			49	22.68	1.8	24.48	<=33.01	Pass
		25	0	21.65	1.8	23.45	<=33.01	Pass
			13	21.7	1.8	23.5	<=33.01	Pass
			25	21.64	1.8	23.44	<=33.01	Pass
		50	0	21.8	1.8	23.6	<=33.01	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.5 B25_15MHz_EIRP

1.5.1 Test Result

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	23.53	1.8	25.33	<=33.01	Pass
			38	23.59	1.8	25.39	<=33.01	Pass
			74	23.53	1.8	25.33	<=33.01	Pass
		36	0	22.71	1.8	24.51	<=33.01	Pass
			18	22.7	1.8	24.5	<=33.01	Pass
			39	22.72	1.8	24.52	<=33.01	Pass
		75	0	22.75	1.8	24.55	<=33.01	Pass
	1882.5	1	0	23.55	1.8	25.35	<=33.01	Pass
			38	23.63	1.8	25.43	<=33.01	Pass
			74	23.6	1.8	25.4	<=33.01	Pass
		36	0	22.68	1.8	24.48	<=33.01	Pass
			18	22.62	1.8	24.42	<=33.01	Pass
			39	22.64	1.8	24.44	<=33.01	Pass
		75	0	22.7	1.8	24.5	<=33.01	Pass
	1907.5	1	0	23.52	1.8	25.32	<=33.01	Pass
			38	23.55	1.8	25.35	<=33.01	Pass
			74	23.49	1.8	25.29	<=33.01	Pass
		36	0	22.64	1.8	24.44	<=33.01	Pass
			18	22.61	1.8	24.41	<=33.01	Pass
			39	22.62	1.8	24.42	<=33.01	Pass
		75	0	22.69	1.8	24.49	<=33.01	Pass
16QAM	1857.5	1	0	22.7	1.8	24.5	<=33.01	Pass
			38	22.81	1.8	24.61	<=33.01	Pass
			74	22.66	1.8	24.46	<=33.01	Pass
		36	0	21.69	1.8	23.49	<=33.01	Pass
			18	21.71	1.8	23.51	<=33.01	Pass

			39	21.7	1.8	23.5	<=33.01	Pass
		75	0	21.76	1.8	23.56	<=33.01	Pass
	1882.5	1	0	22.72	1.8	24.52	<=33.01	Pass
			38	22.75	1.8	24.55	<=33.01	Pass
			74	22.78	1.8	24.58	<=33.01	Pass
		36	0	21.71	1.8	23.51	<=33.01	Pass
			18	21.65	1.8	23.45	<=33.01	Pass
			39	21.67	1.8	23.47	<=33.01	Pass
		75	0	21.71	1.8	23.51	<=33.01	Pass
	1907.5	1	0	22.65	1.8	24.45	<=33.01	Pass
			38	22.71	1.8	24.51	<=33.01	Pass
			74	22.66	1.8	24.46	<=33.01	Pass
		36	0	21.66	1.8	23.46	<=33.01	Pass
			18	21.67	1.8	23.47	<=33.01	Pass
			39	21.62	1.8	23.42	<=33.01	Pass
		75	0	21.71	1.8	23.51	<=33.01	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.6 B25_20MHz_EIRP

1.6.1 Test Result

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	23.6	1.8	25.4	<=33.01	Pass
			50	23.64	1.8	25.44	<=33.01	Pass
			99	23.52	1.8	25.32	<=33.01	Pass
		50	0	22.71	1.8	24.51	<=33.01	Pass
			25	22.75	1.8	24.55	<=33.01	Pass
			50	22.6	1.8	24.4	<=33.01	Pass
		100	0	22.73	1.8	24.53	<=33.01	Pass
	1882.5	1	0	23.56	1.8	25.36	<=33.01	Pass
			50	23.64	1.8	25.44	<=33.01	Pass
			99	23.59	1.8	25.39	<=33.01	Pass
		50	0	22.67	1.8	24.47	<=33.01	Pass
			25	22.67	1.8	24.47	<=33.01	Pass
			50	22.65	1.8	24.45	<=33.01	Pass
		100	0	22.76	1.8	24.56	<=33.01	Pass
	1905	1	0	23.58	1.8	25.38	<=33.01	Pass

			50	23.52	1.8	25.32	<=33.01	Pass
			99	23.46	1.8	25.26	<=33.01	Pass
		50	0	22.66	1.8	24.46	<=33.01	Pass
			25	22.68	1.8	24.48	<=33.01	Pass
			50	22.6	1.8	24.4	<=33.01	Pass
		100	0	22.79	1.8	24.59	<=33.01	Pass
16QAM	1860	1	0	22.78	1.8	24.58	<=33.01	Pass
			50	23.02	1.8	24.82	<=33.01	Pass
			99	22.68	1.8	24.48	<=33.01	Pass
		50	0	21.7	1.8	23.5	<=33.01	Pass
			25	21.7	1.8	23.5	<=33.01	Pass
			50	21.53	1.8	23.33	<=33.01	Pass
		100	0	21.71	1.8	23.51	<=33.01	Pass
	1882.5	1	0	22.67	1.8	24.47	<=33.01	Pass
			50	22.76	1.8	24.56	<=33.01	Pass
			99	22.67	1.8	24.47	<=33.01	Pass
		50	0	21.67	1.8	23.47	<=33.01	Pass
			25	21.64	1.8	23.44	<=33.01	Pass
			50	21.67	1.8	23.47	<=33.01	Pass
		100	0	21.78	1.8	23.58	<=33.01	Pass
	1905	1	0	22.8	1.8	24.6	<=33.01	Pass
			50	22.78	1.8	24.58	<=33.01	Pass
			99	22.67	1.8	24.47	<=33.01	Pass
		50	0	21.62	1.8	23.42	<=33.01	Pass
			25	21.64	1.8	23.44	<=33.01	Pass
			50	21.6	1.8	23.4	<=33.01	Pass
		100	0	21.8	1.8	23.6	<=33.01	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

2. Frequency Stability

2.1 B25_20MHz

2.1.1 Test Result

Band: 25 / Bandwidth: 20MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1860	100	0	20	3.27	-0.433	-0.0002	-2.5 to 2.5	Pass
					3.85	-0.461	-0.0002	-2.5 to 2.5	Pass
					4.43	-0.736	-0.0004	-2.5 to 2.5	Pass

				-30	3.85	-0.219	-0.0001	-2.5 to 2.5	Pass
				-20	3.85	-0.410	-0.0002	-2.5 to 2.5	Pass
				-10	3.85	0.256	0.0001	-2.5 to 2.5	Pass
				0	3.85	-0.900	-0.0005	-2.5 to 2.5	Pass
				10	3.85	-1.170	-0.0006	-2.5 to 2.5	Pass
				30	3.85	-0.719	-0.0004	-2.5 to 2.5	Pass
				40	3.85	-0.714	-0.0004	-2.5 to 2.5	Pass
				50	3.85	0.282	0.0002	-2.5 to 2.5	Pass
	1882.5	100	0	20	3.27	0.684	0.0004	-2.5 to 2.5	Pass
					3.85	1.212	0.0006	-2.5 to 2.5	Pass
					4.43	1.603	0.0009	-2.5 to 2.5	Pass
				-30	3.85	0.272	0.0001	-2.5 to 2.5	Pass
				-20	3.85	2.010	0.0011	-2.5 to 2.5	Pass
				-10	3.85	1.256	0.0007	-2.5 to 2.5	Pass
				0	3.85	0.417	0.0002	-2.5 to 2.5	Pass
				10	3.85	1.554	0.0008	-2.5 to 2.5	Pass
				30	3.85	1.118	0.0006	-2.5 to 2.5	Pass
				40	3.85	0.236	0.0001	-2.5 to 2.5	Pass
				50	3.85	1.271	0.0007	-2.5 to 2.5	Pass
	1905	100	0	20	3.27	0.088	0.0000	-2.5 to 2.5	Pass
					3.85	0.193	0.0001	-2.5 to 2.5	Pass
					4.43	-0.105	-0.0001	-2.5 to 2.5	Pass
				-30	3.85	0.725	0.0004	-2.5 to 2.5	Pass
				-20	3.85	0.028	0.0000	-2.5 to 2.5	Pass
				-10	3.85	0.327	0.0002	-2.5 to 2.5	Pass
				0	3.85	-1.490	-0.0008	-2.5 to 2.5	Pass
				10	3.85	-0.620	-0.0003	-2.5 to 2.5	Pass
				30	3.85	-1.432	-0.0008	-2.5 to 2.5	Pass
				40	3.85	-1.982	-0.0010	-2.5 to 2.5	Pass
				50	3.85	-1.376	-0.0007	-2.5 to 2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Band25_OBW

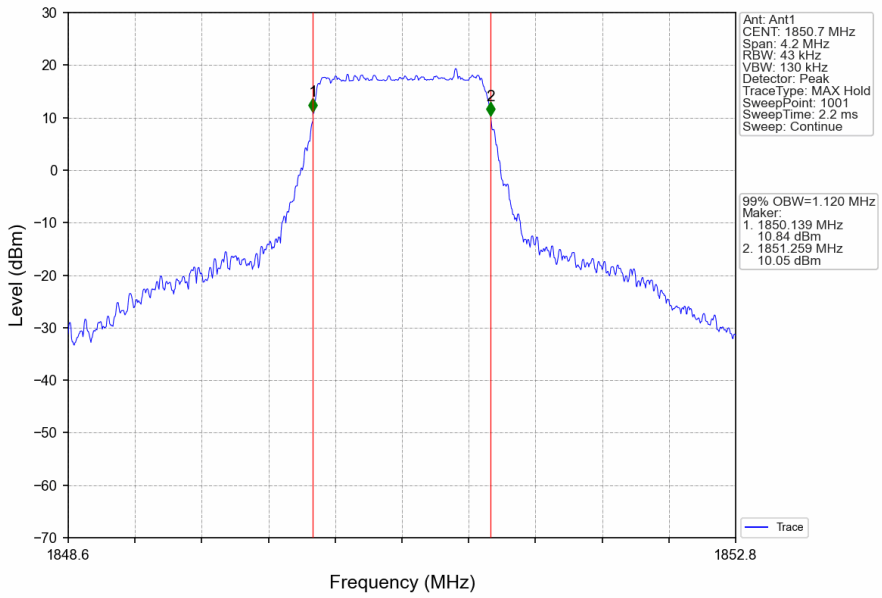
3.1.1 Test Result

Band: 25 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	1850.7	6	0	1.120	/	Pass
		1882.5	6	0	1.116	/	Pass
		1914.3	6	0	1.129	/	Pass
	16QAM	1850.7	6	0	1.129	/	Pass
		1882.5	6	0	1.126	/	Pass
		1914.3	6	0	1.125	/	Pass
3	QPSK	1851.5	15	0	2.748	/	Pass
		1882.5	15	0	2.731	/	Pass
		1913.5	15	0	2.753	/	Pass
	16QAM	1851.5	15	0	2.746	/	Pass
		1882.5	15	0	2.742	/	Pass
		1913.5	15	0	2.750	/	Pass
5	QPSK	1852.5	25	0	4.569	/	Pass
		1882.5	25	0	4.558	/	Pass

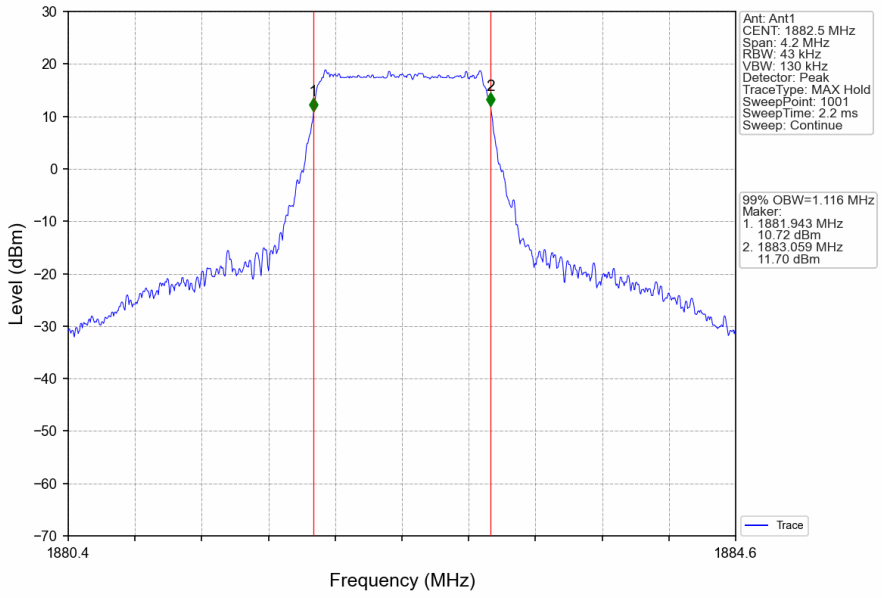
		1912.5	25	0	4.584	/	Pass
	16QAM	1852.5	25	0	4.577	/	Pass
		1882.5	25	0	4.563	/	Pass
		1912.5	25	0	4.583	/	Pass
10	QPSK	1855	50	0	9.114	/	Pass
		1882.5	50	0	9.076	/	Pass
		1910	50	0	9.110	/	Pass
	16QAM	1855	50	0	9.118	/	Pass
		1882.5	50	0	9.069	/	Pass
		1910	50	0	9.091	/	Pass
15	QPSK	1857.5	75	0	13.624	/	Pass
		1882.5	75	0	13.614	/	Pass
		1907.5	75	0	13.596	/	Pass
	16QAM	1857.5	75	0	13.614	/	Pass
		1882.5	75	0	13.595	/	Pass
		1907.5	75	0	13.585	/	Pass
20	QPSK	1860	100	0	18.091	/	Pass
		1882.5	100	0	18.044	/	Pass
		1905	100	0	18.069	/	Pass
	16QAM	1860	100	0	18.105	/	Pass
		1882.5	100	0	18.109	/	Pass
		1905	100	0	18.037	/	Pass

3.1.2 Test Graph

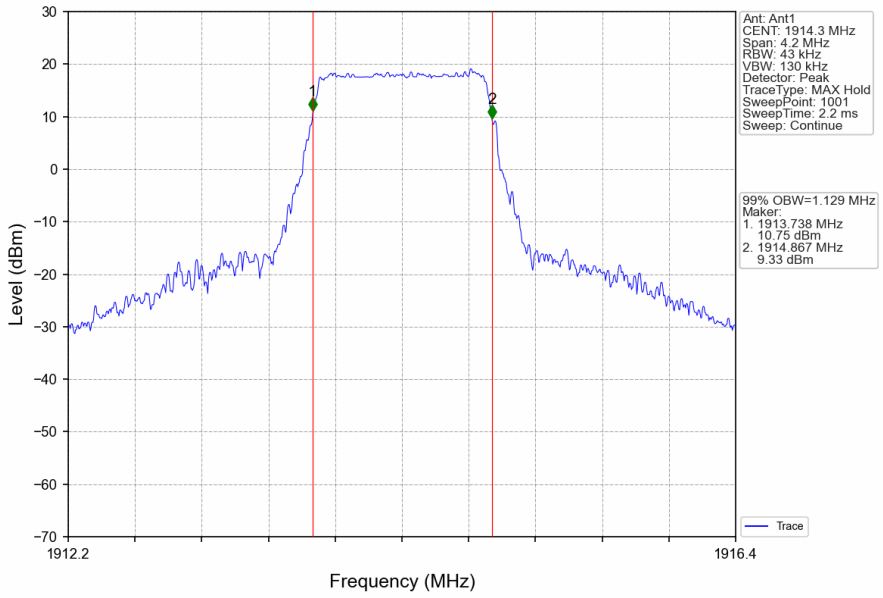
Band25_1.4MHz_QPSK_LCH_1850.7MHz_RB_6_0_NTNV



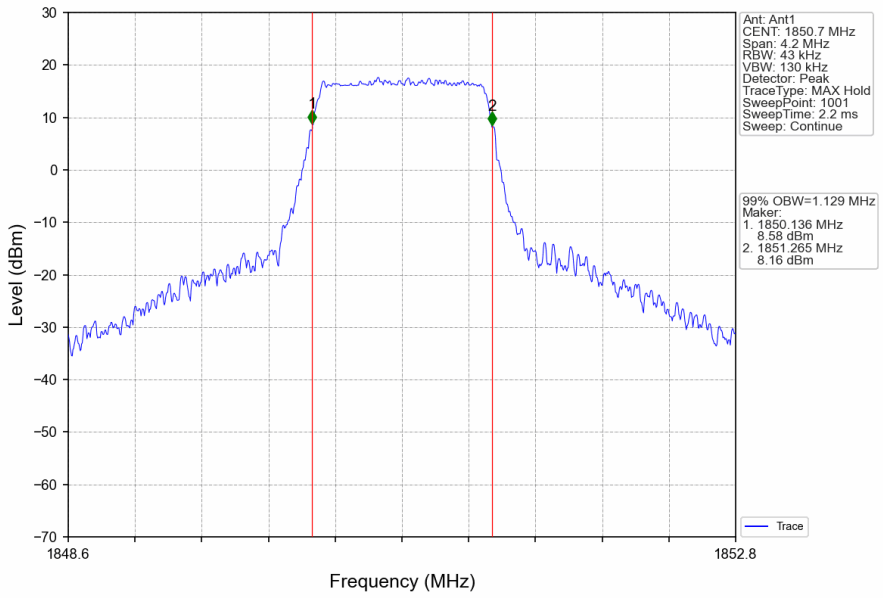
Band25_1.4MHz_QPSK_MCH_1882.5MHz_RB_6_0_NTNV



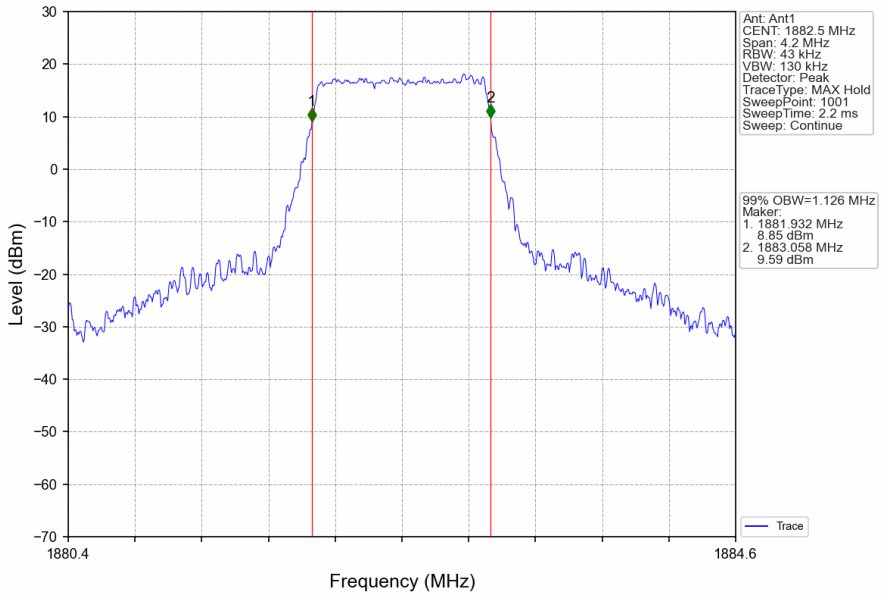
Band25_1.4MHz_QPSK_HCH_1914.3MHz_RB_6_0_NTNV



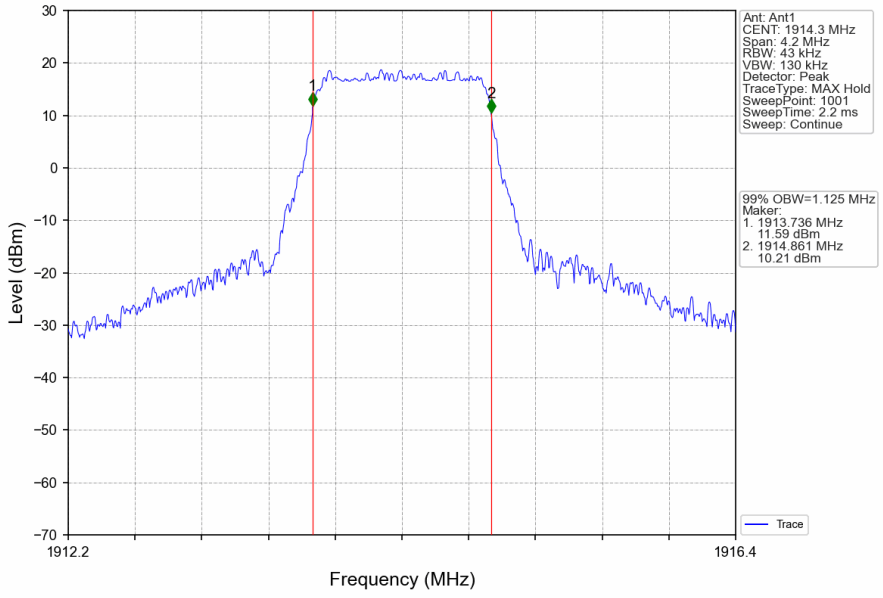
Band25_1.4MHz_16QAM_LCH_1850.7MHz_RB_6_0_NTNV



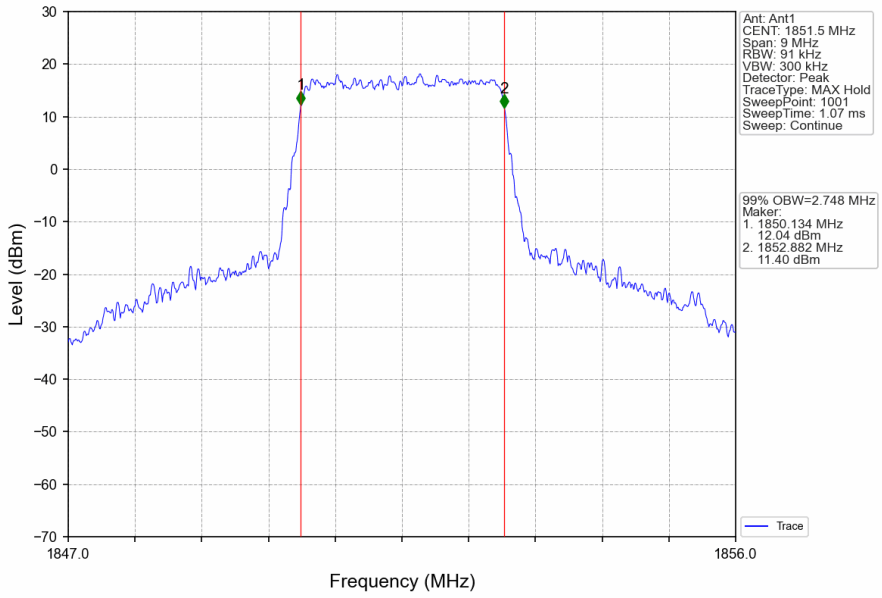
Band25_1.4MHz_16QAM_MCH_1882.5MHz_RB_6_0_NTNV



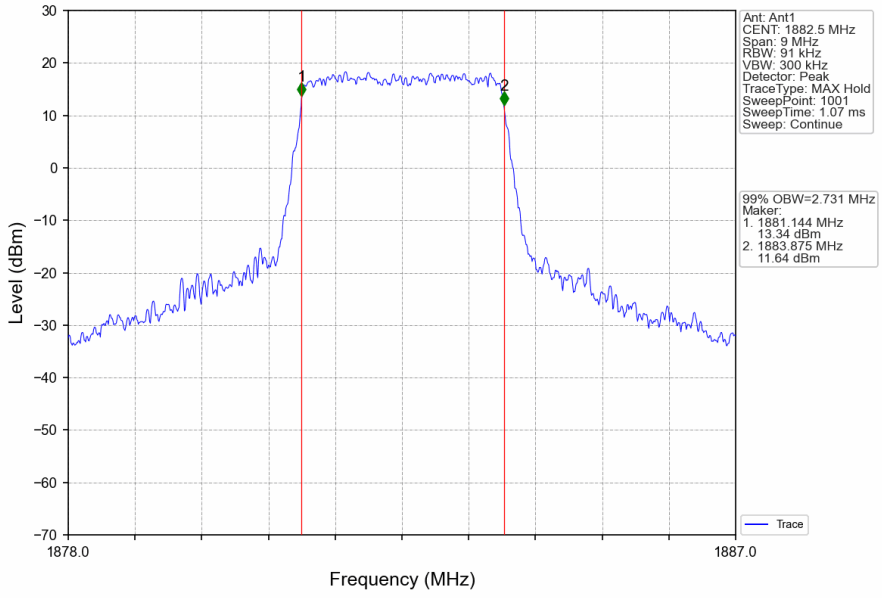
Band25_1.4MHz_16QAM_HCH_1914.3MHz_RB_6_0_NTNV



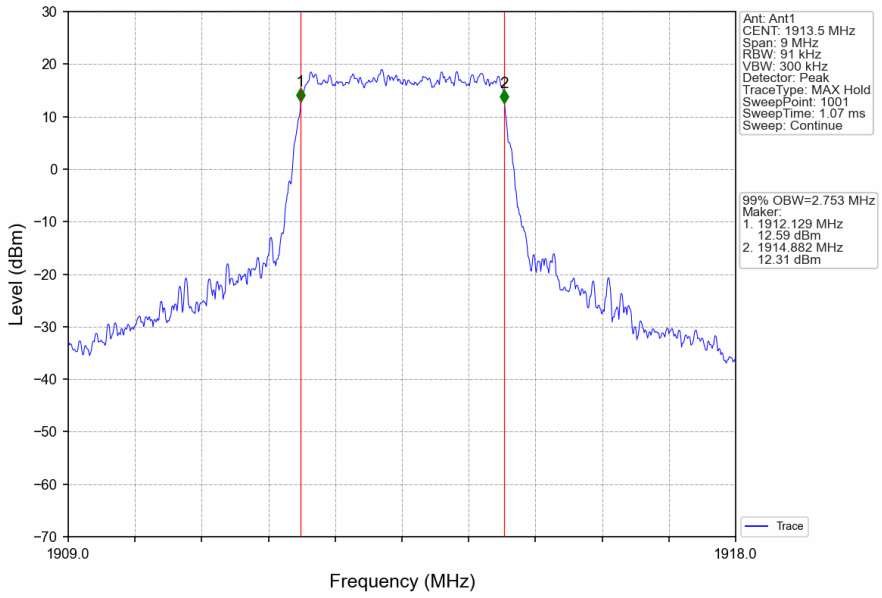
Band25_3MHz_QPSK_LCH_1851.5MHz_RB_15_0_NTNV



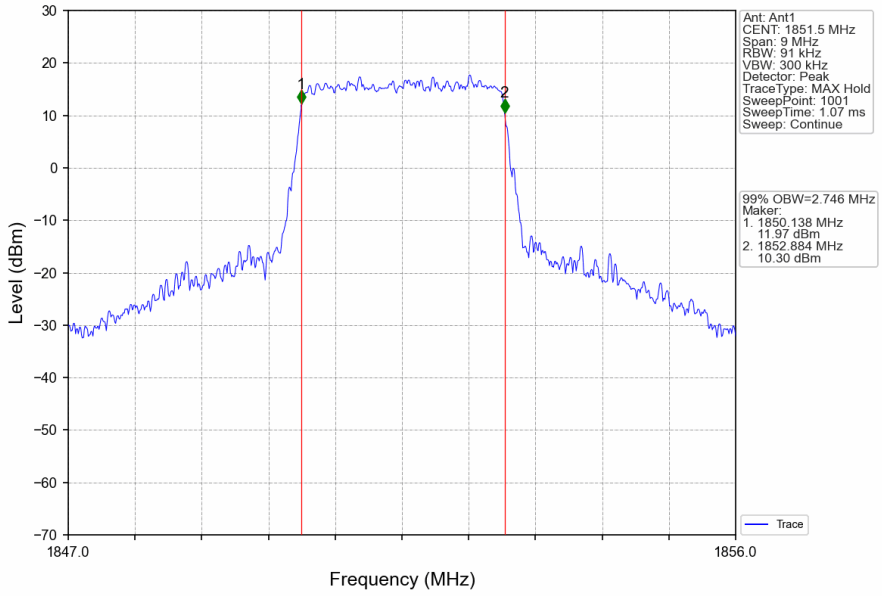
Band25_3MHz_QPSK_MCH_1882.5MHz_RB_15_0_NTNV



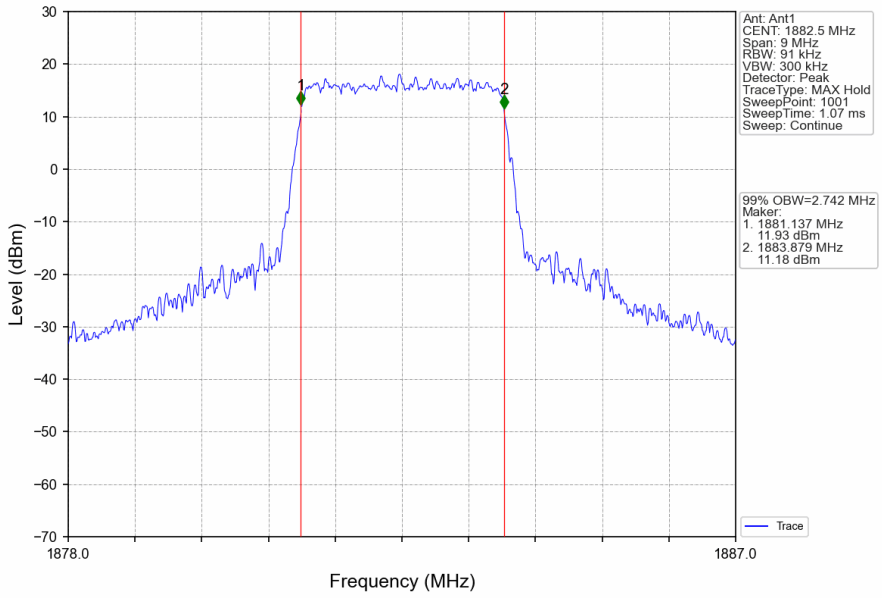
Band25_3MHz_QPSK_HCH_1913.5MHz_RB_15_0_NTNV



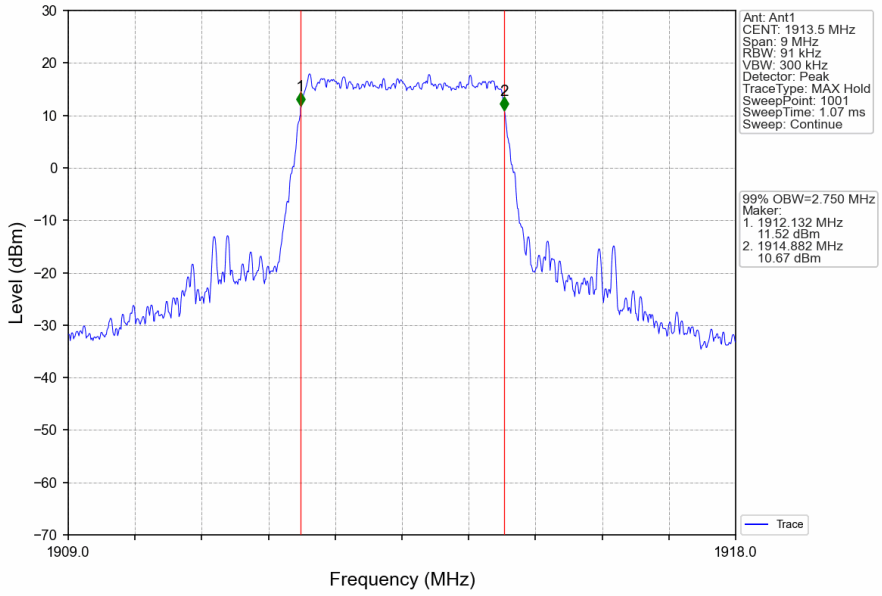
Band25_3MHz_16QAM_LCH_1851.5MHz_RB_15_0_NTNV



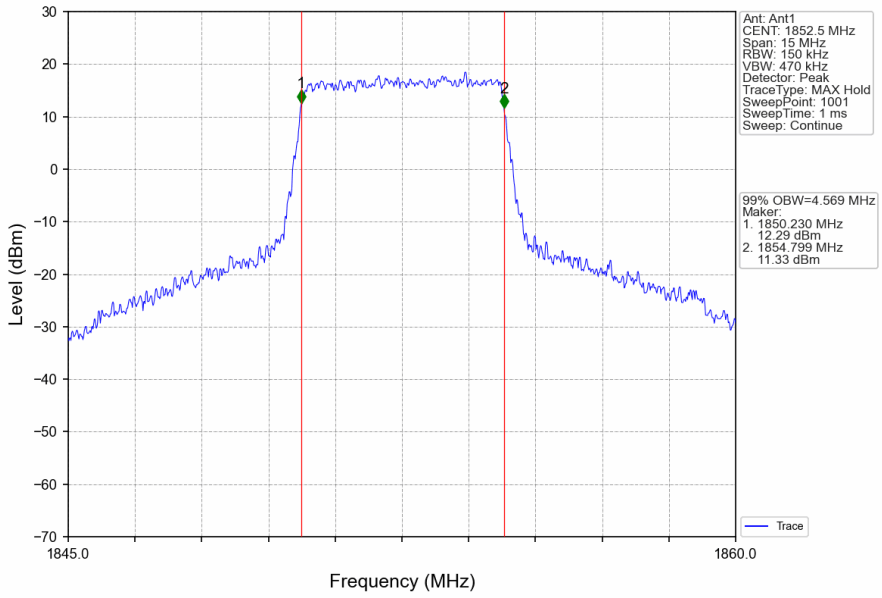
Band25_3MHz_16QAM_MCH_1882.5MHz_RB_15_0_NTNV



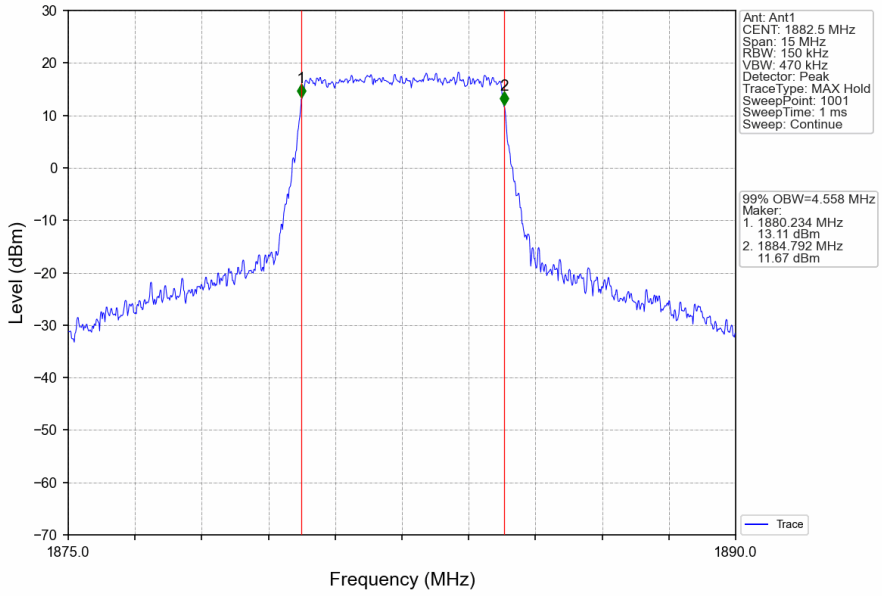
Band25_3MHz_16QAM_HCH_1913.5MHz_RB_15_0_NTNV



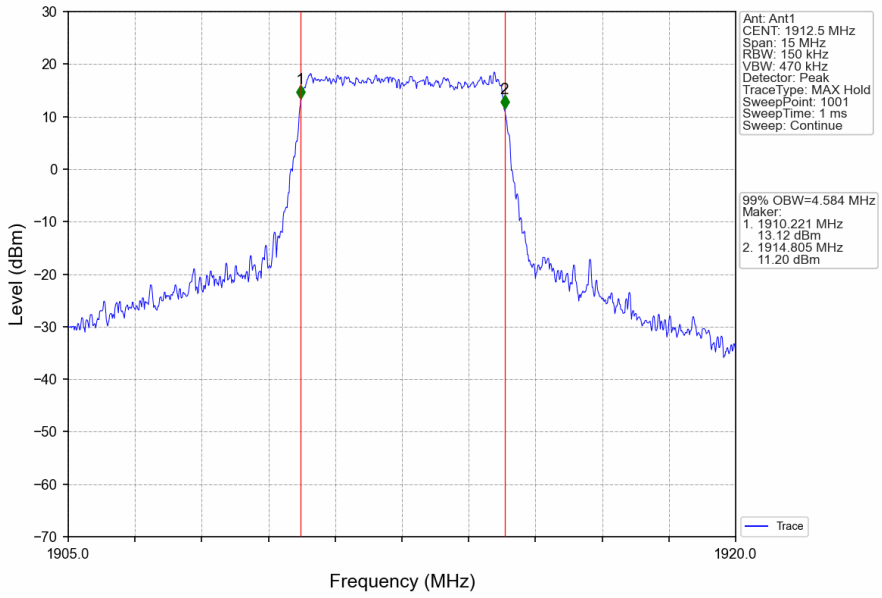
Band25_5MHz_QPSK_LCH_1852.5MHz_RB_25_0_NTNV



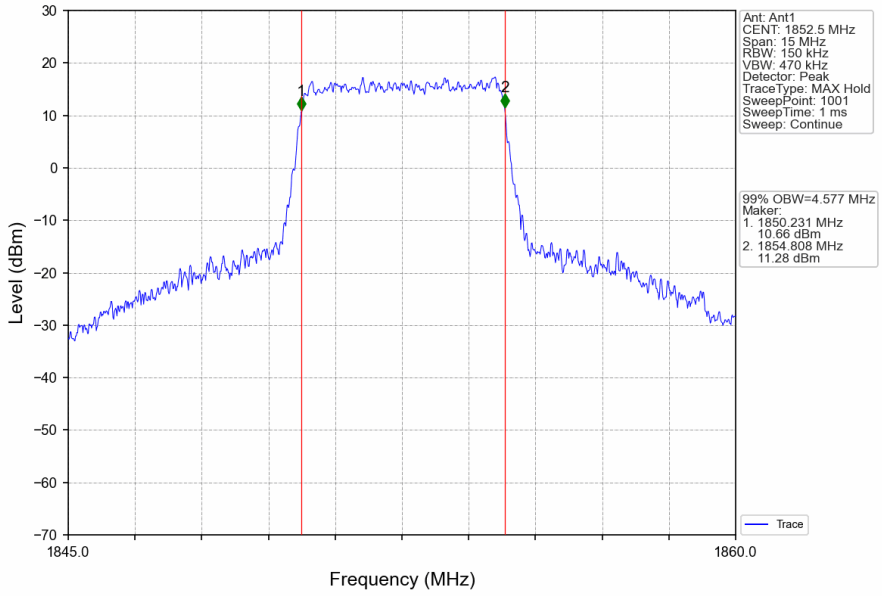
Band25_5MHz_QPSK_MCH_1882.5MHz_RB_25_0_NTNV



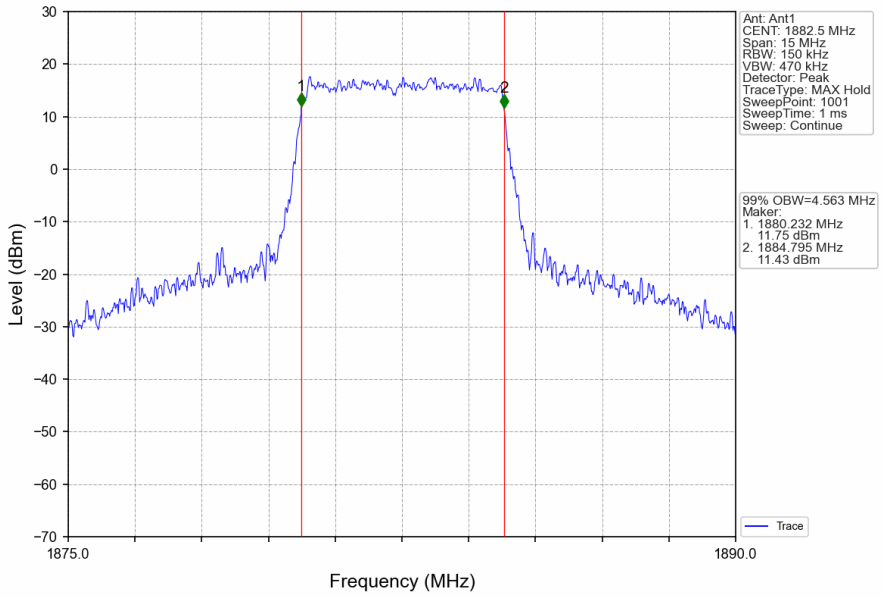
Band25_5MHz_QPSK_HCH_1912.5MHz_RB_25_0_NTNV



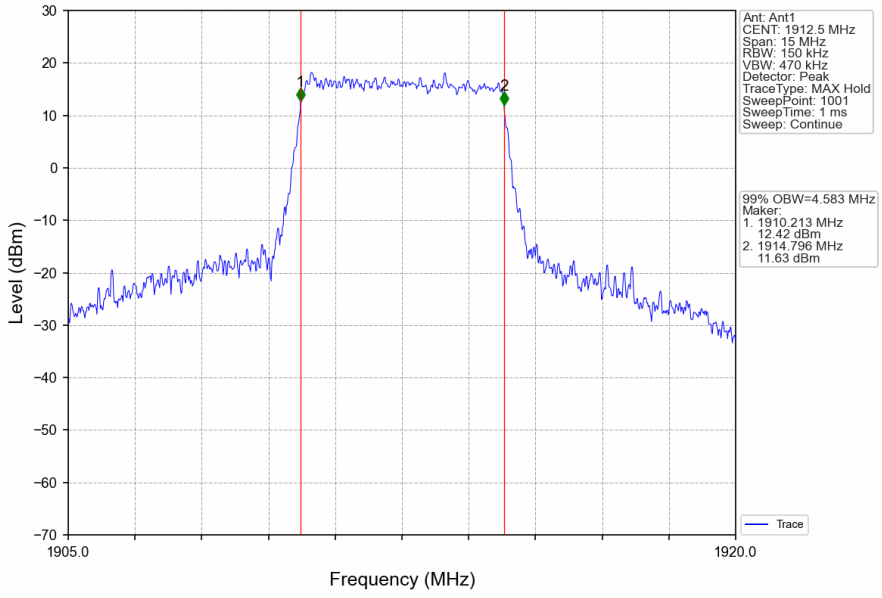
Band25_5MHz_16QAM_LCH_1852.5MHz_RB_25_0_NTNV



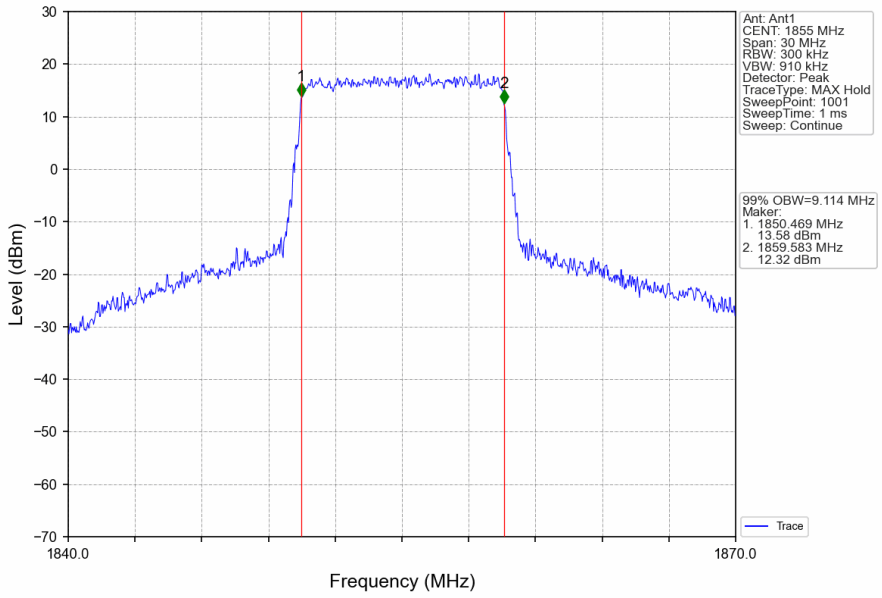
Band25_5MHz_16QAM_MCH_1882.5MHz_RB_25_0_NTNV



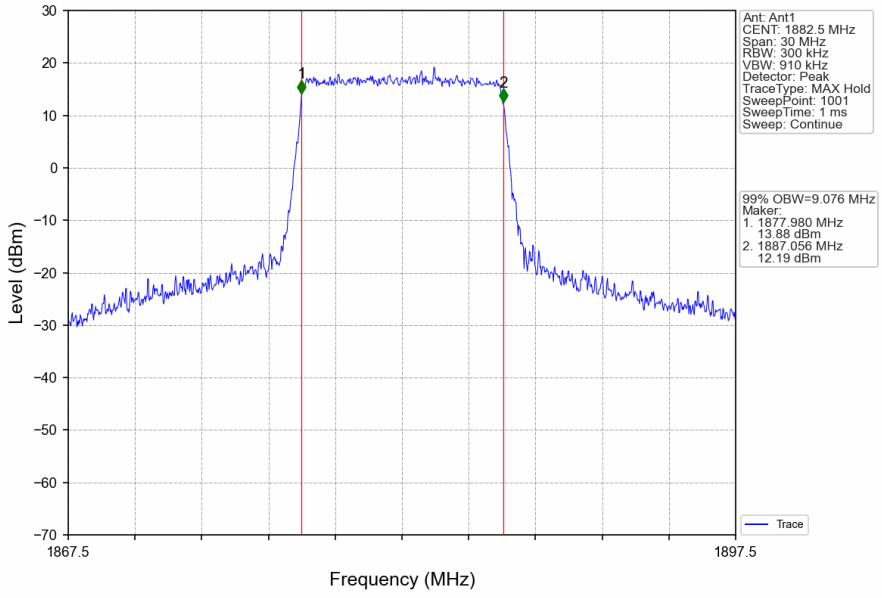
Band25_5MHz_16QAM_HCH_1912.5MHz_RB_25_0_NTNV



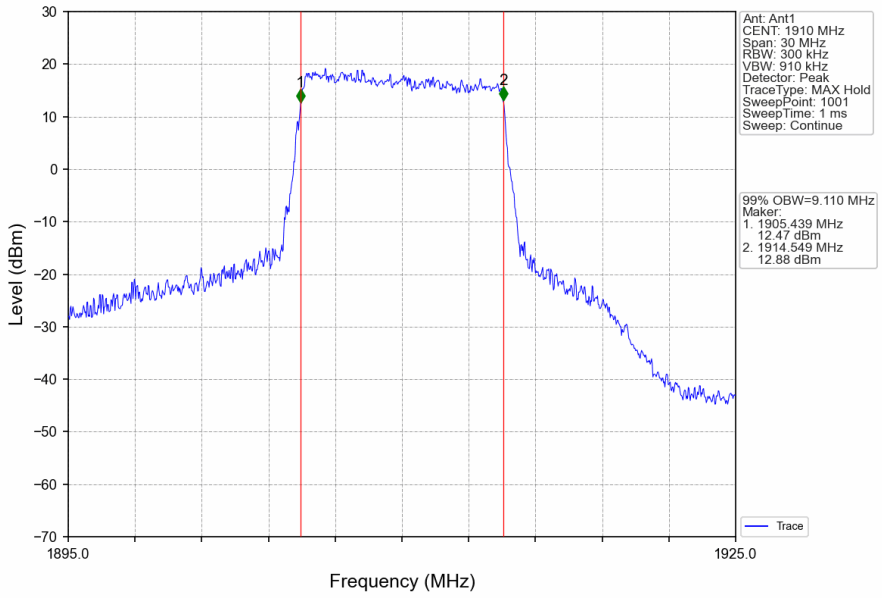
Band25_10MHz_QPSK_LCH_1855MHz_RB_50_0_NTNV



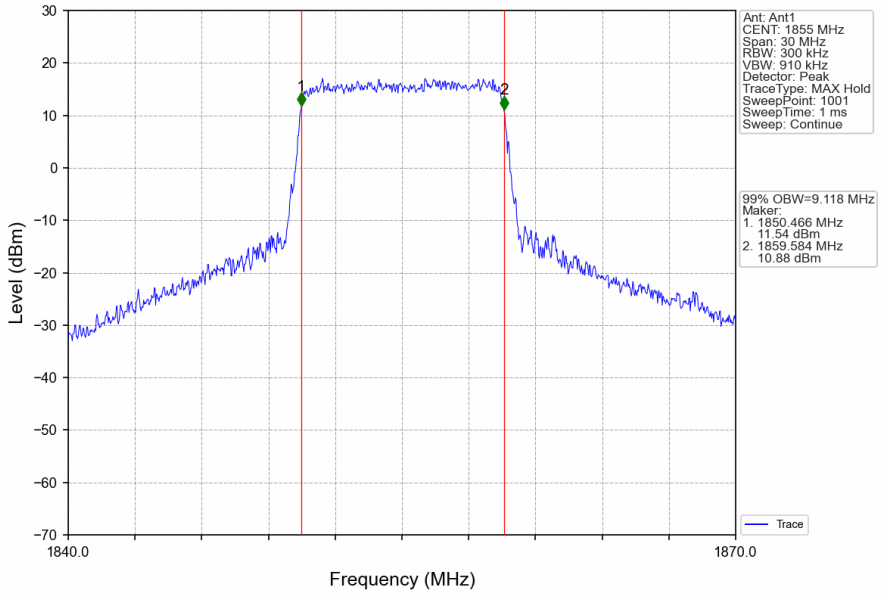
Band25_10MHz_QPSK_MCH_1882.5MHz_RB_50_0_NTNV



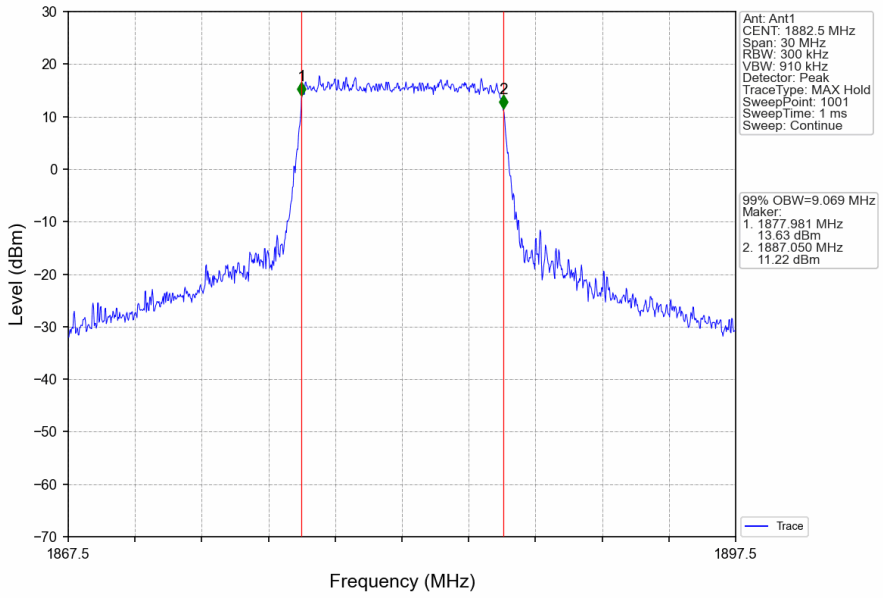
Band25_10MHz_QPSK_HCH_1910MHz_RB_50_0_NTNV



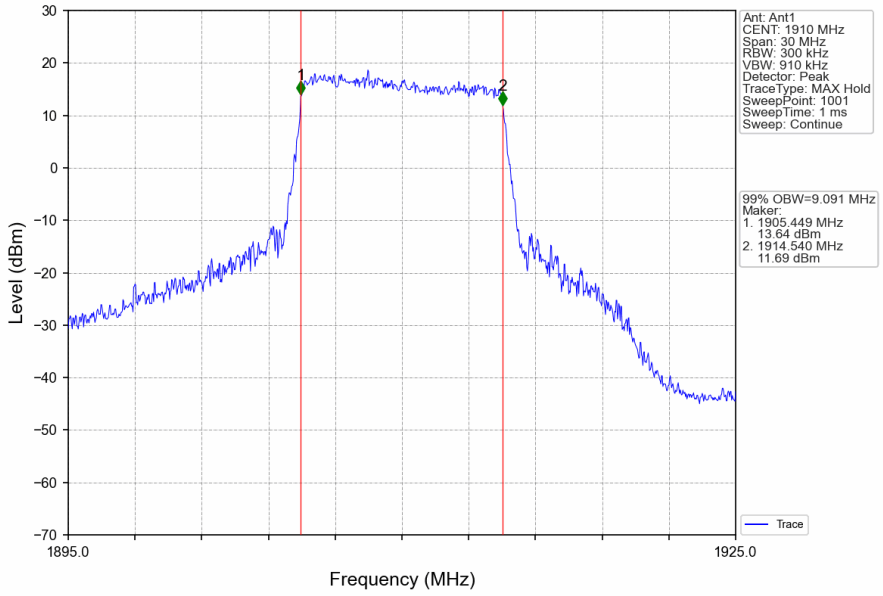
Band25_10MHz_16QAM_LCH_1855MHz_RB_50_0_NTNV



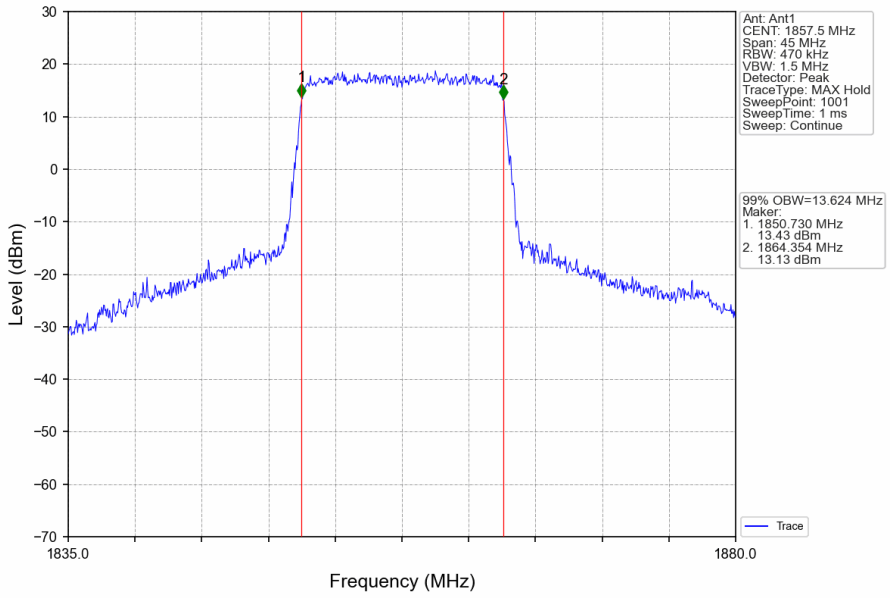
Band25_10MHz_16QAM_MCH_1882.5MHz_RB_50_0_NTNV



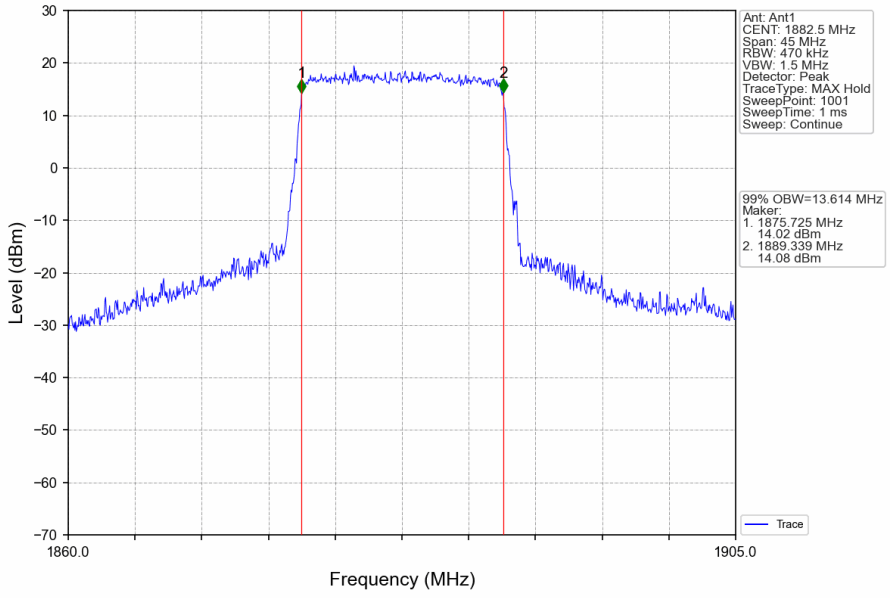
Band25_10MHz_16QAM_HCH_1910MHz_RB_50_0_NTNV



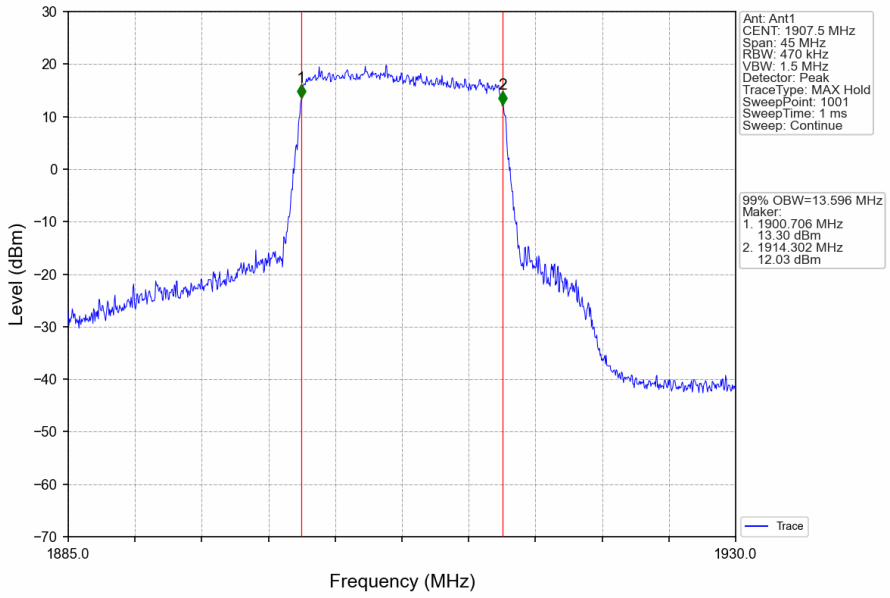
Band25_15MHz_QPSK_LCH_1857.5MHz_RB_75_0_NTNV



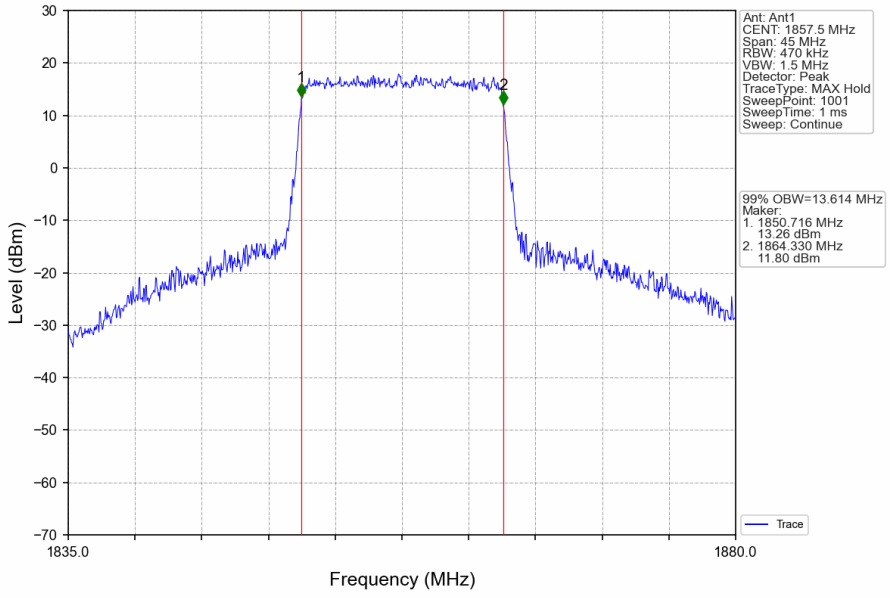
Band25_15MHz_QPSK_MCH_1882.5MHz_RB_75_0_NTNV



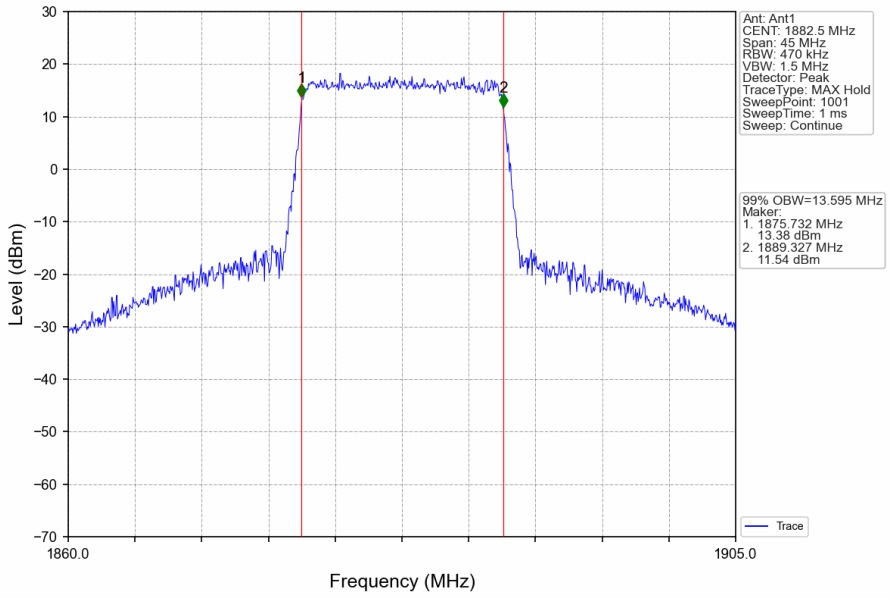
Band25_15MHz_QPSK_HCH_1907.5MHz_RB_75_0_NTNV



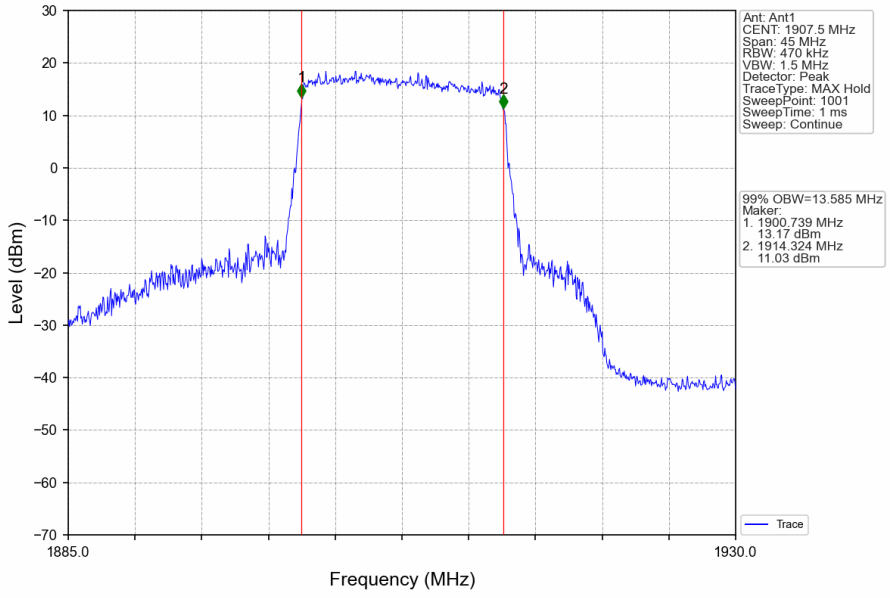
Band25_15MHz_16QAM_LCH_1857.5MHz_RB_75_0_NTNV



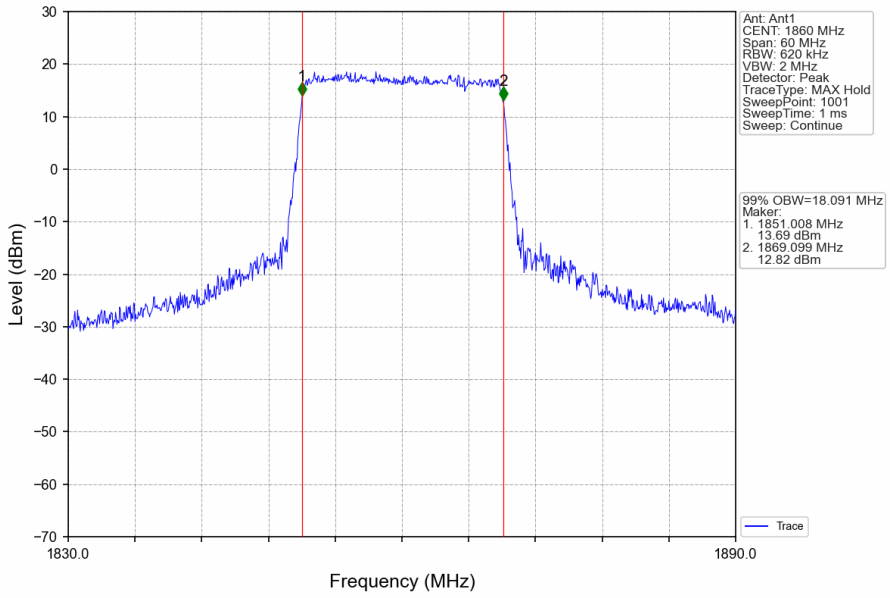
Band25_15MHz_16QAM_MCH_1882.5MHz_RB_75_0_NTNV



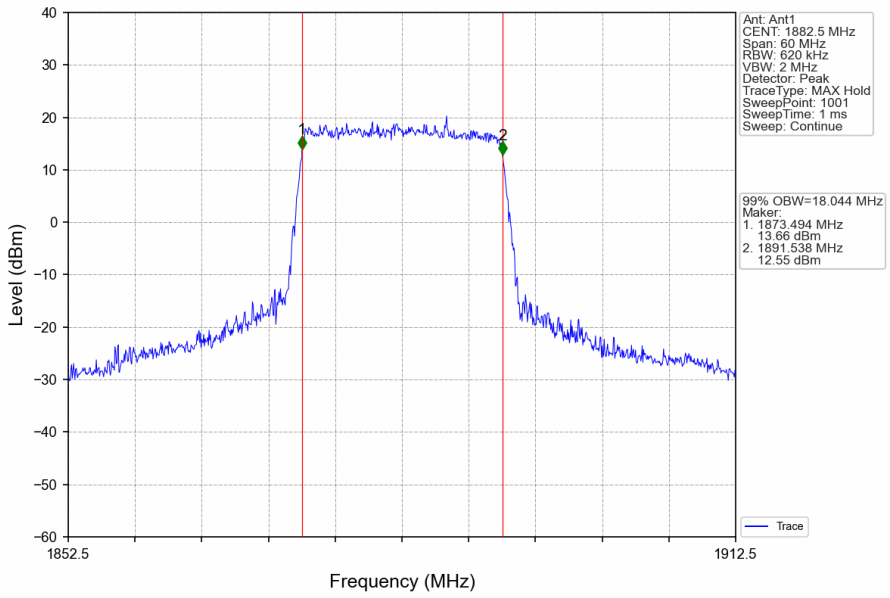
Band25_15MHz_16QAM_HCH_1907.5MHz_RB_75_0_NTNV



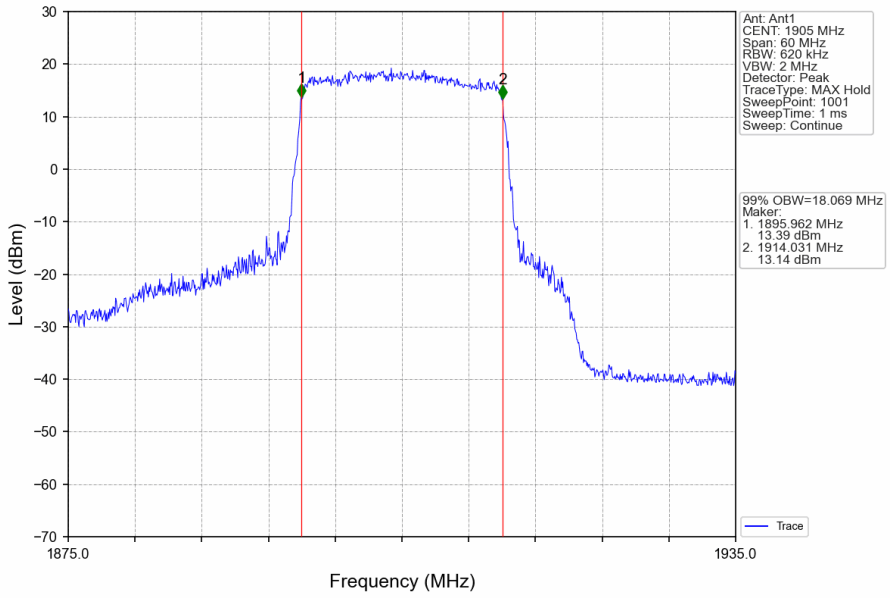
Band25_20MHz_QPSK_LCH_1860MHz_RB_100_0_NTNV



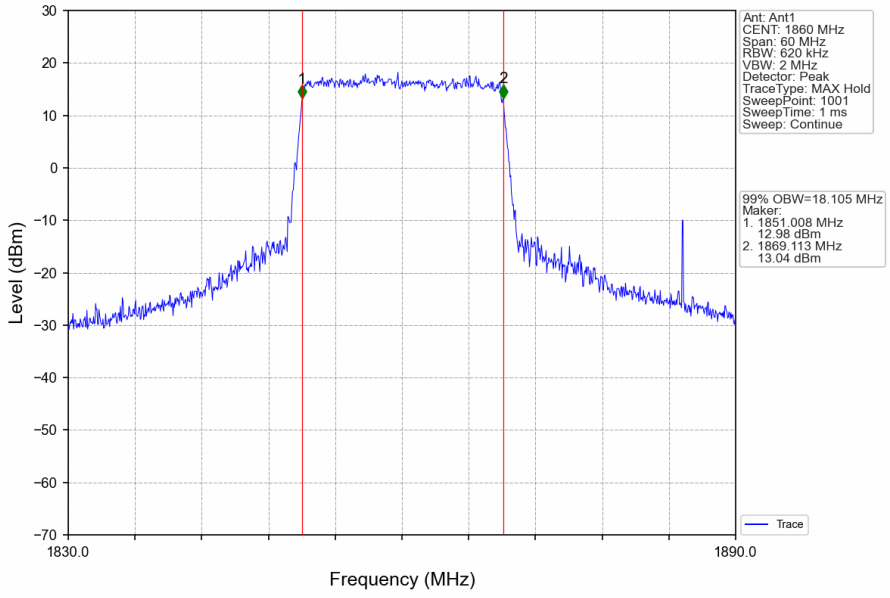
Band25_20MHz_QPSK_MCH_1882.5MHz_RB_100_0_NTNV



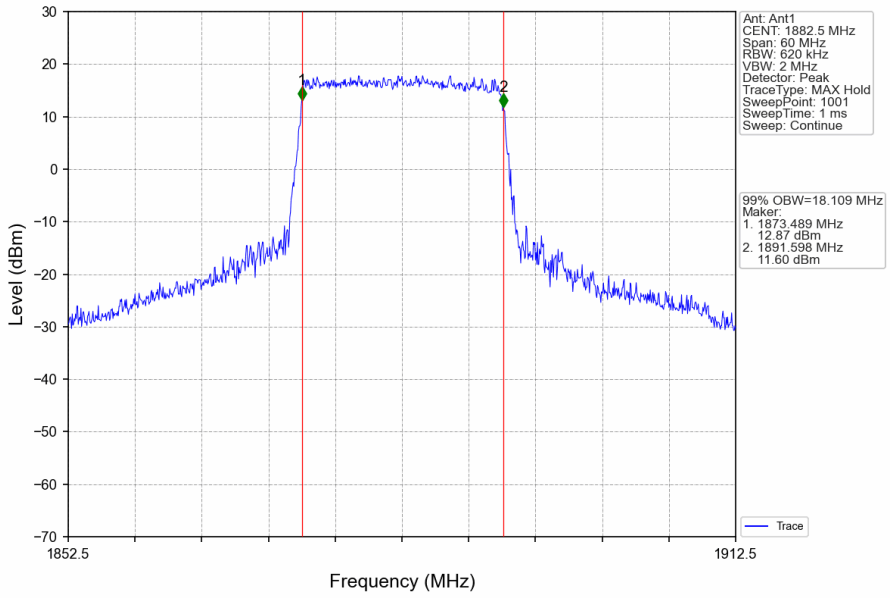
Band25_20MHz_QPSK_HCH_1905MHz_RB_100_0_NTNV



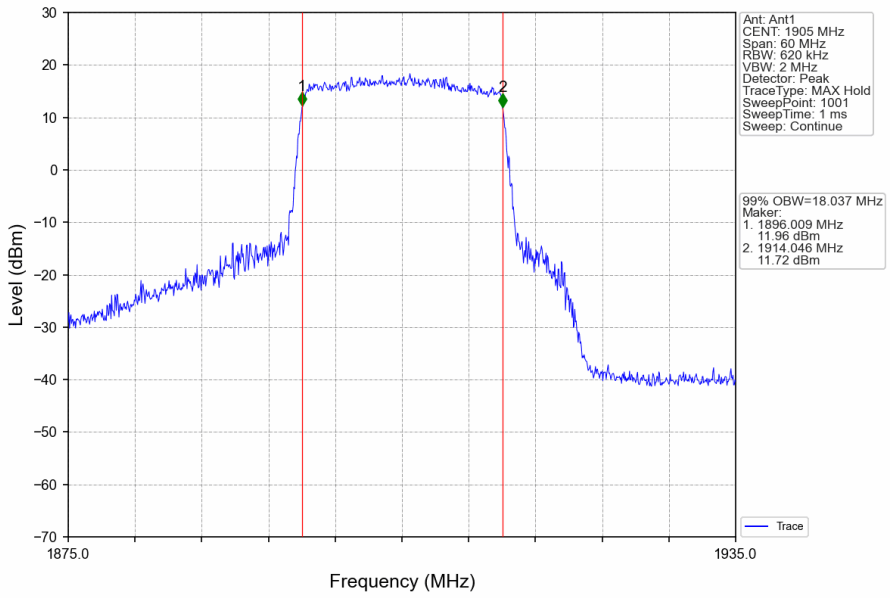
Band25_20MHz_16QAM_LCH_1860MHz_RB_100_0_NTNV



Band25_20MHz_16QAM_MCH_1882.5MHz_RB_100_0_NTNV



Band25_20MHz_16QAM_HCH_1905MHz_RB_100_0_NTNV



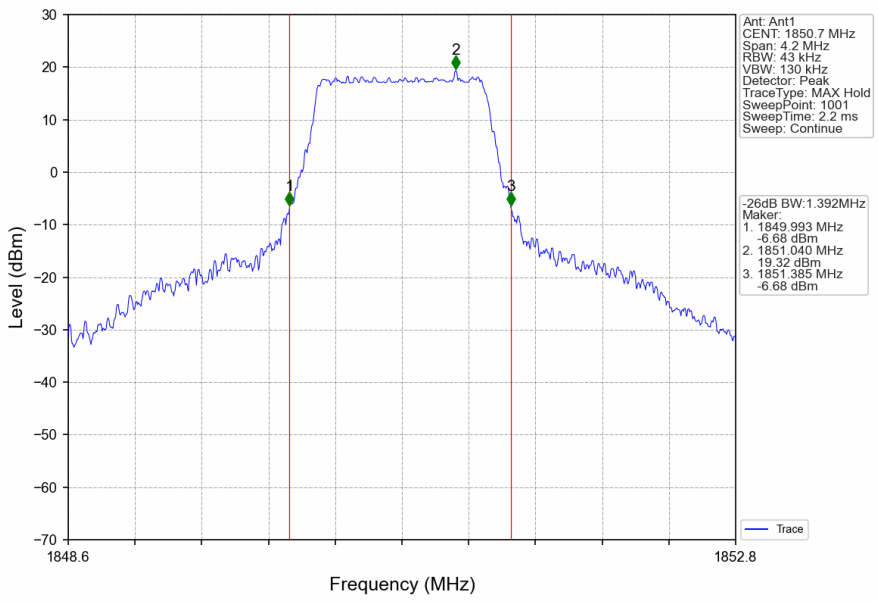
3.2 Band25_XDB

3.2.1 Test Result

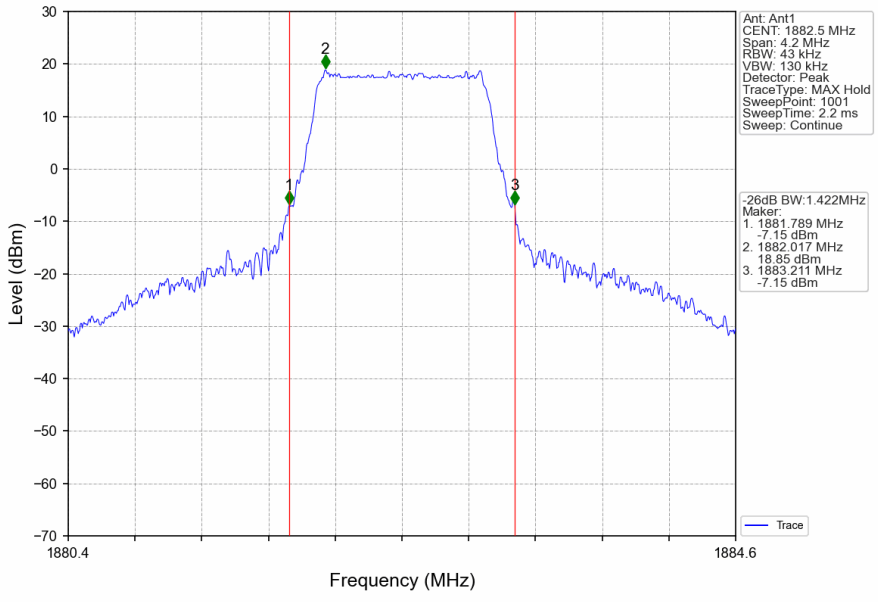
Band: 25 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	1850.7	6	0	1.392	/	Pass
		1882.5	6	0	1.422	/	Pass
		1914.3	6	0	1.420	/	Pass
	16QAM	1850.7	6	0	1.387	/	Pass
		1882.5	6	0	1.433	/	Pass
		1914.3	6	0	1.427	/	Pass
3	QPSK	1851.5	15	0	3.187	/	Pass
		1882.5	15	0	3.149	/	Pass
		1913.5	15	0	3.126	/	Pass
	16QAM	1851.5	15	0	3.123	/	Pass
		1882.5	15	0	3.080	/	Pass
		1913.5	15	0	3.133	/	Pass
5	QPSK	1852.5	25	0	5.198	/	Pass
		1882.5	25	0	5.314	/	Pass
		1912.5	25	0	5.247	/	Pass
	16QAM	1852.5	25	0	5.250	/	Pass
		1882.5	25	0	5.269	/	Pass
		1912.5	25	0	5.296	/	Pass
10	QPSK	1855	50	0	10.175	/	Pass
		1882.5	50	0	10.150	/	Pass
		1910	50	0	10.127	/	Pass
	16QAM	1855	50	0	10.226	/	Pass
		1882.5	50	0	10.168	/	Pass
		1910	50	0	10.237	/	Pass
15	QPSK	1857.5	75	0	15.145	/	Pass
		1882.5	75	0	15.280	/	Pass
		1907.5	75	0	15.005	/	Pass
	16QAM	1857.5	75	0	15.137	/	Pass
		1882.5	75	0	15.176	/	Pass
		1907.5	75	0	15.082	/	Pass
20	QPSK	1860	100	0	20.257	/	Pass
		1882.5	100	0	20.050	/	Pass
		1905	100	0	19.901	/	Pass
	16QAM	1860	100	0	19.958	/	Pass
		1882.5	100	0	20.150	/	Pass
		1905	100	0	19.865	/	Pass

3.2.2 Test Graph

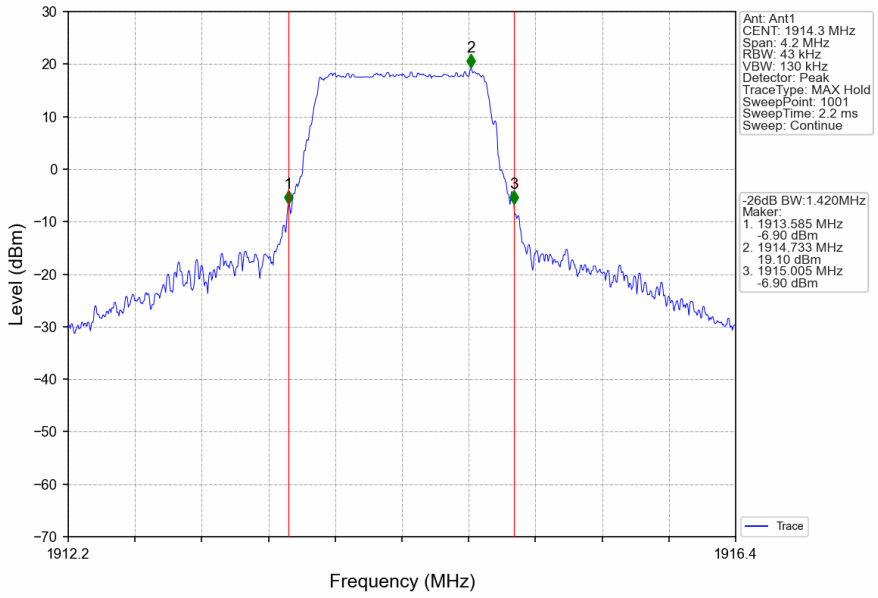
Band25_1.4MHz_QPSK_LCH_1850.7MHz_RB_6_0_NTNV



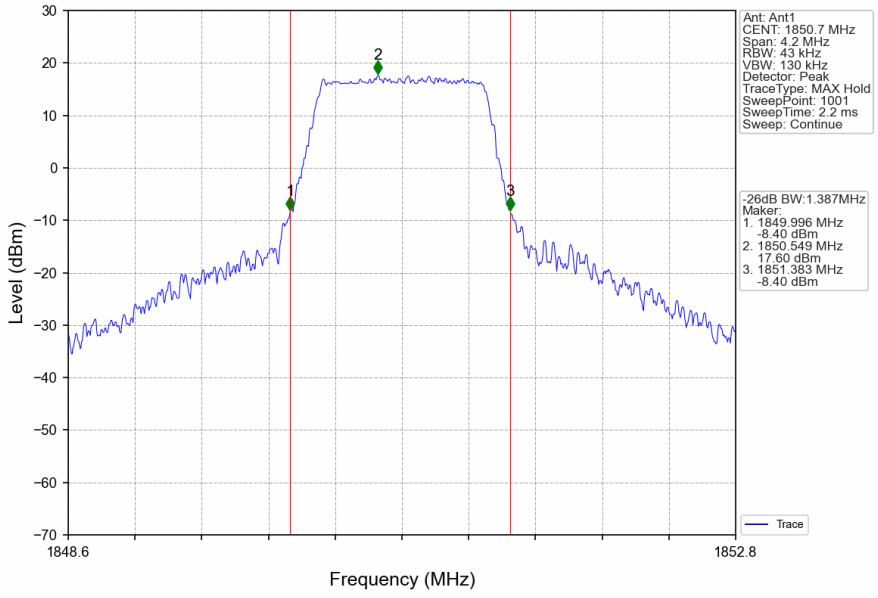
Band25_1.4MHz_QPSK_MCH_1882.5MHz_RB_6_0_NTNV



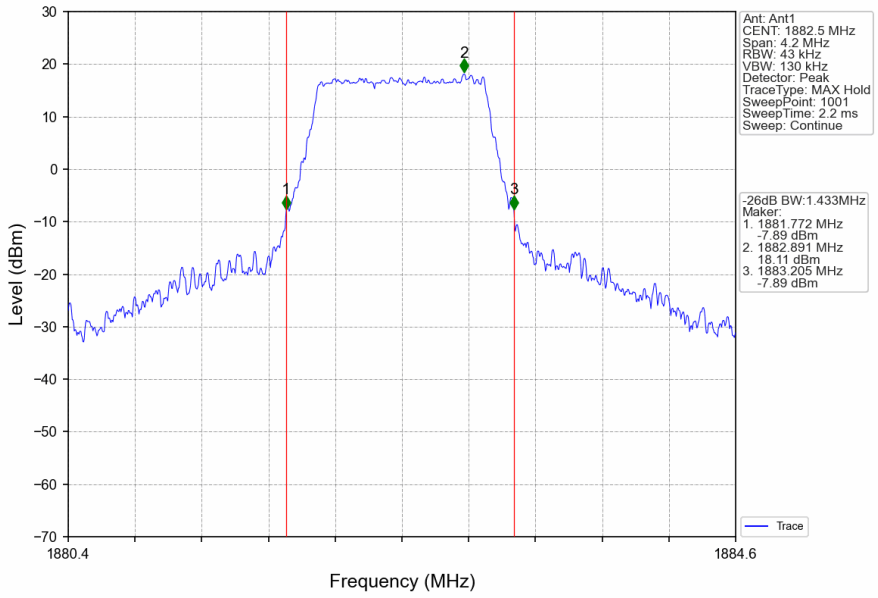
Band25_1.4MHz_QPSK_HCH_1914.3MHz_RB_6_0_NTNV



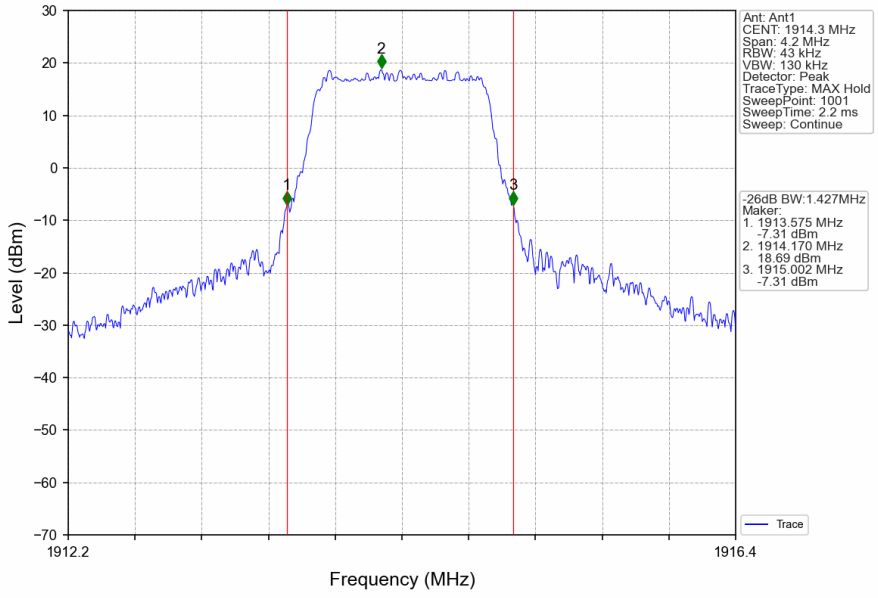
Band25_1.4MHz_16QAM_LCH_1850.7MHz_RB_6_0_NTNV



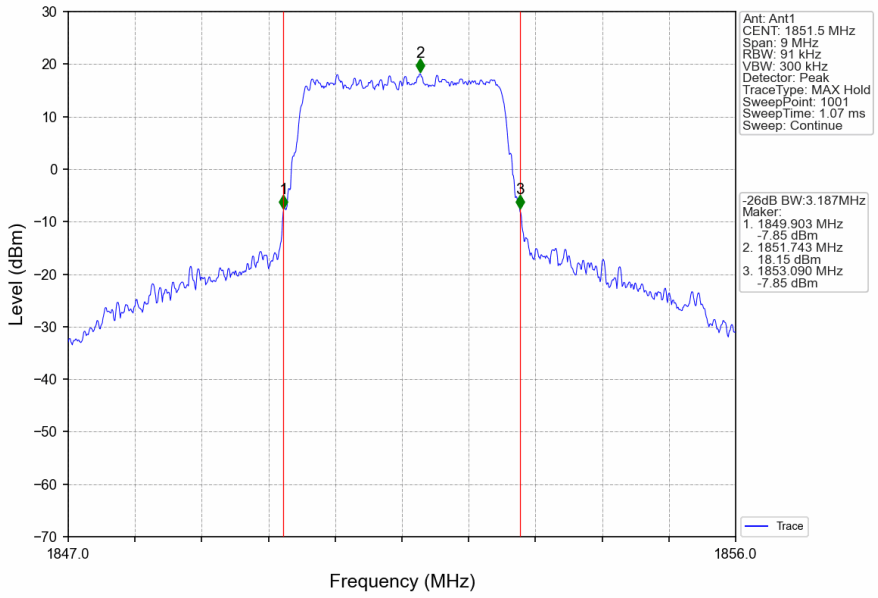
Band25_1.4MHz_16QAM_MCH_1882.5MHz_RB_6_0_NTNV



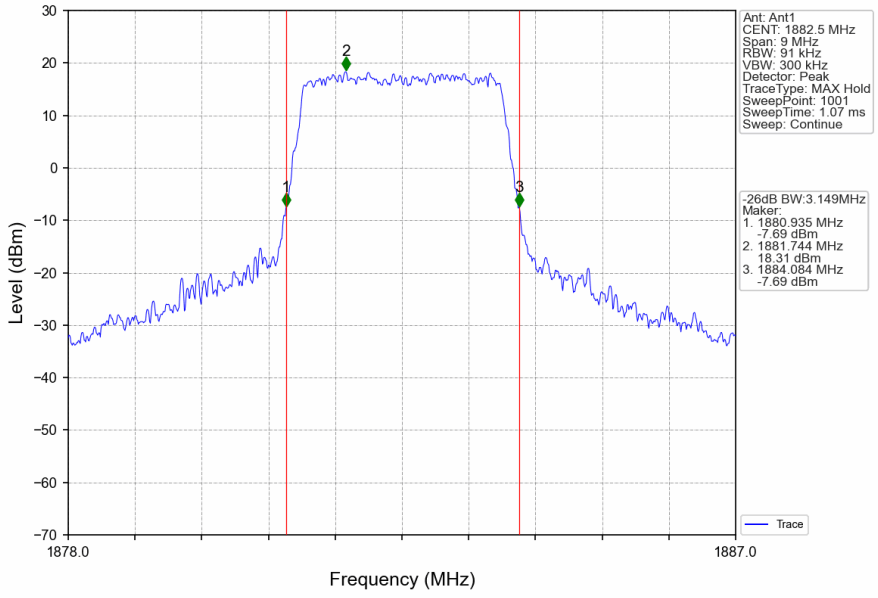
Band25_1.4MHz_16QAM_HCH_1914.3MHz_RB_6_0_NTNV



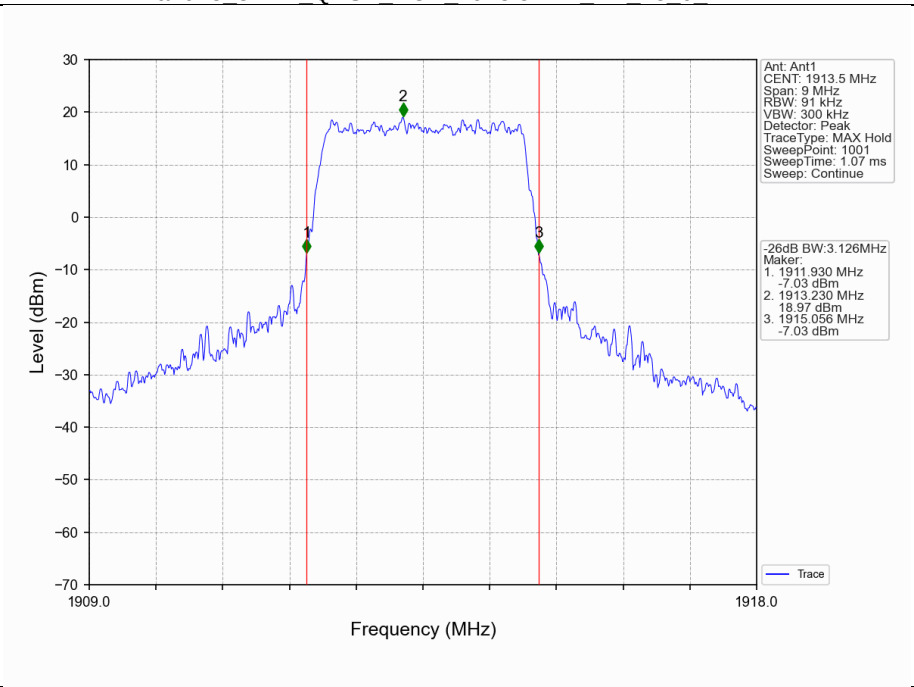
Band25_3MHz_QPSK_LCH_1851.5MHz_RB_15_0_NTNV



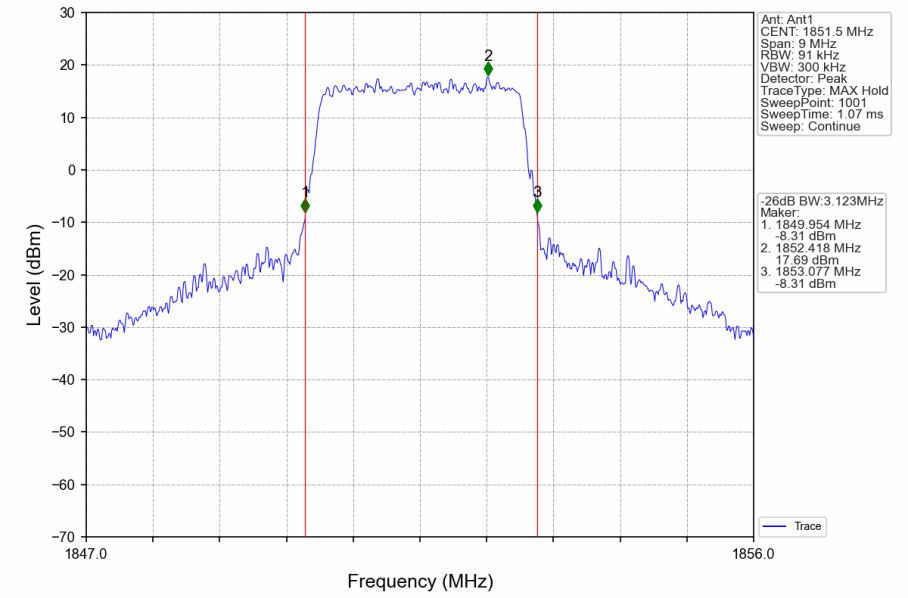
Band25_3MHz_QPSK_MCH_1882.5MHz_RB_15_0_NTNV



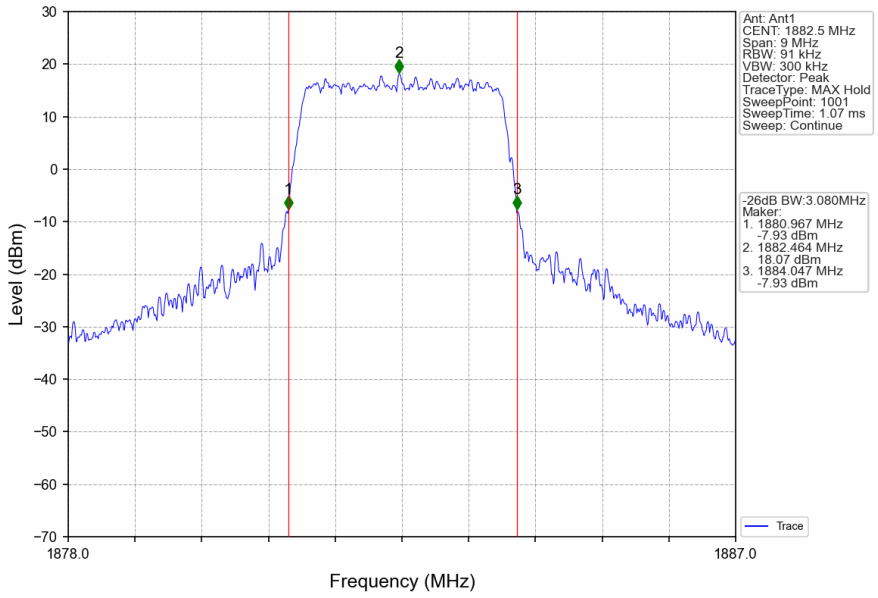
Band25_3MHz_QPSK_HCH_1913.5MHz_RB_15_0_NTNV



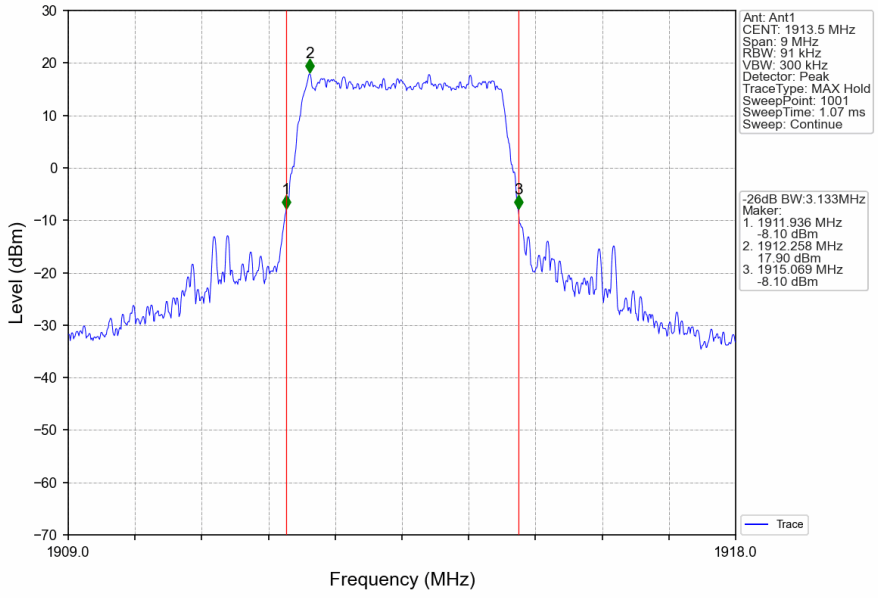
Band25_3MHz_16QAM_LCH_1851.5MHz_RB_15_0_NTNV



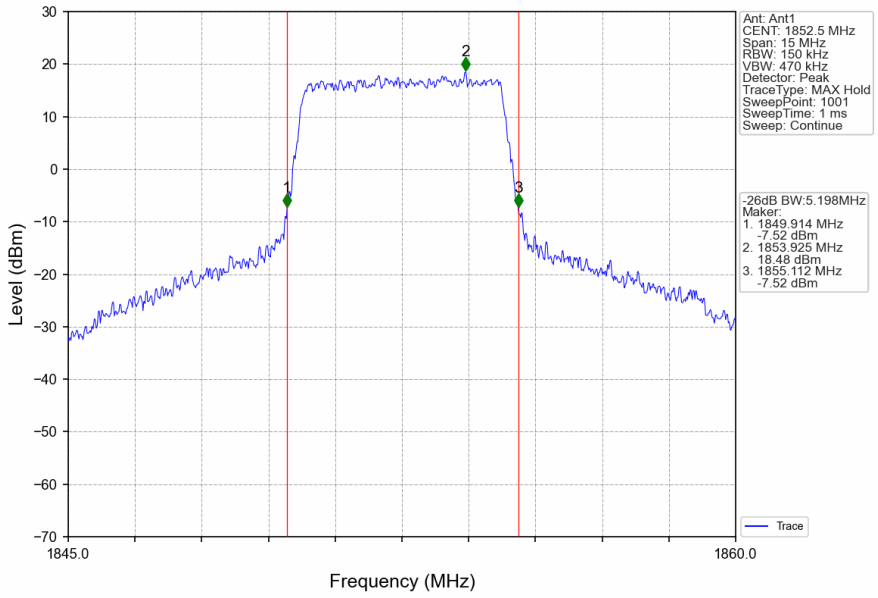
Band25_3MHz_16QAM_MCH_1882.5MHz_RB_15_0_NTNV



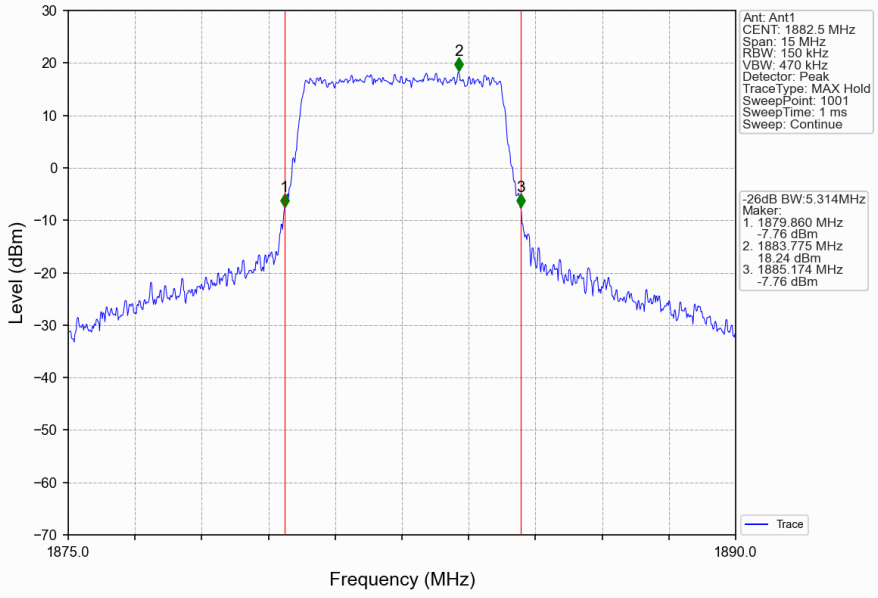
Band25_3MHz_16QAM_HCH_1913.5MHz_RB_15_0_NTNV



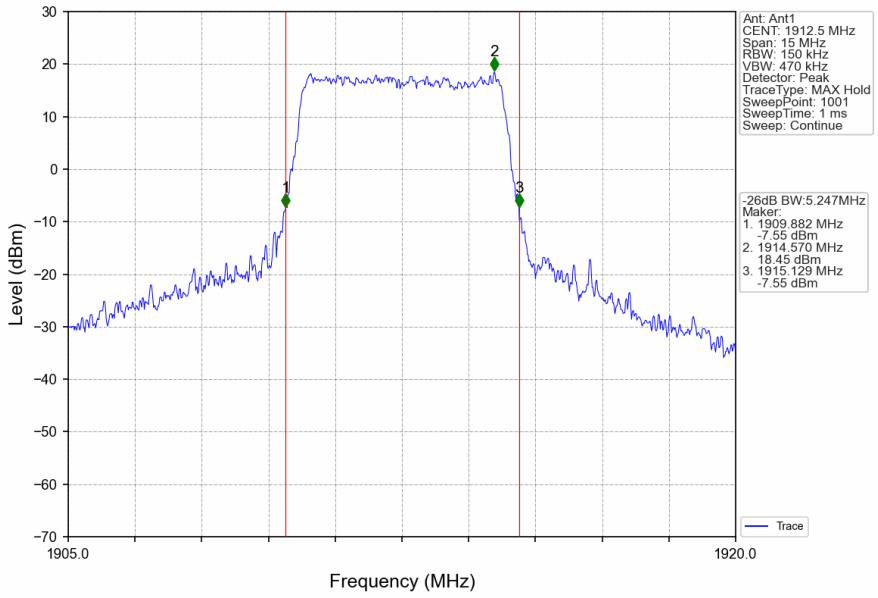
Band25_5MHz_QPSK_LCH_1852.5MHz_RB_25_0_NTNV



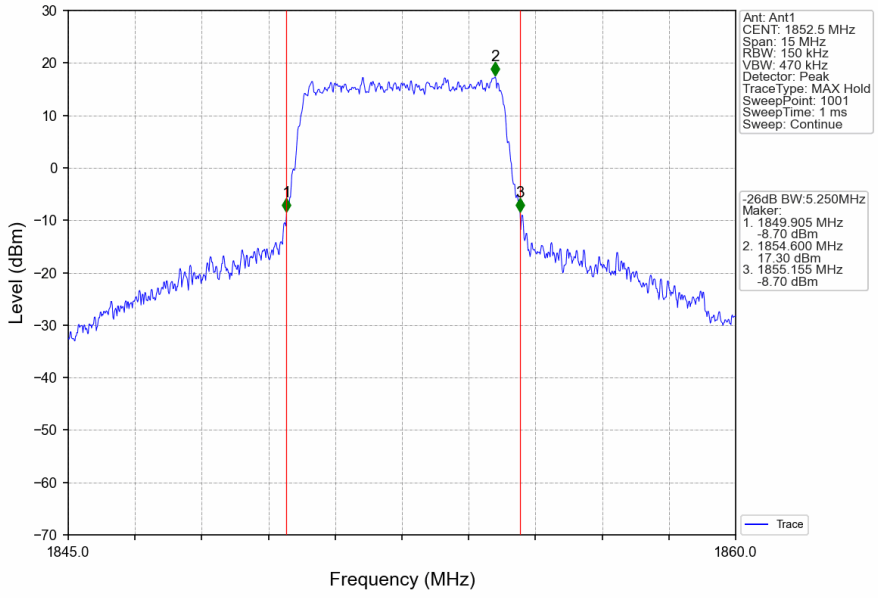
Band25_5MHz_QPSK_MCH_1882.5MHz_RB_25_0_NTNV



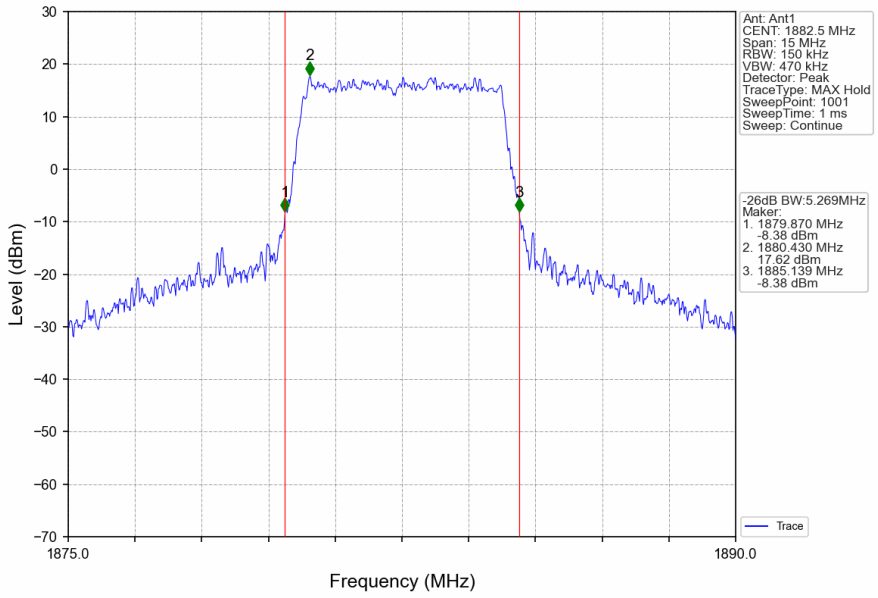
Band25_5MHz_QPSK_HCH_1912.5MHz_RB_25_0_NTNV



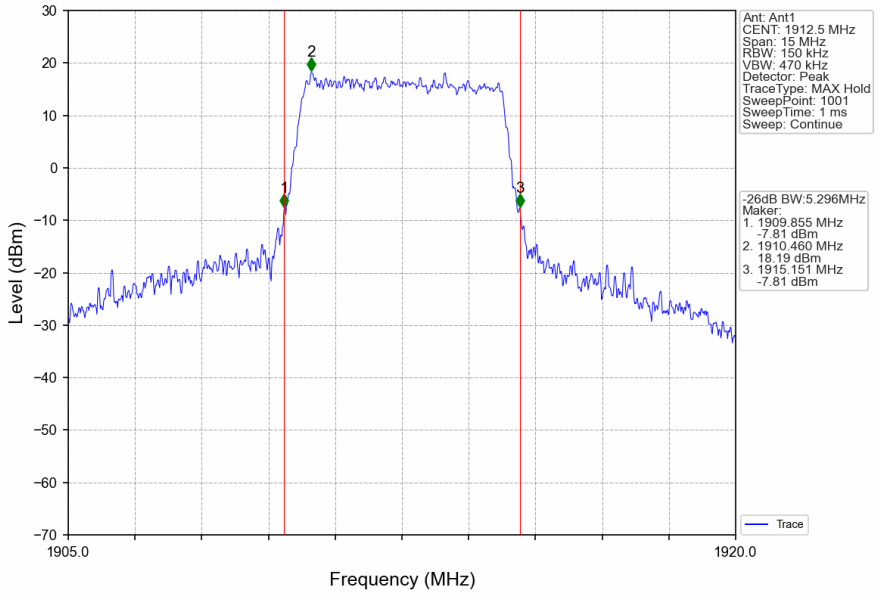
Band25_5MHz_16QAM_LCH_1852.5MHz_RB_25_0_NTNV



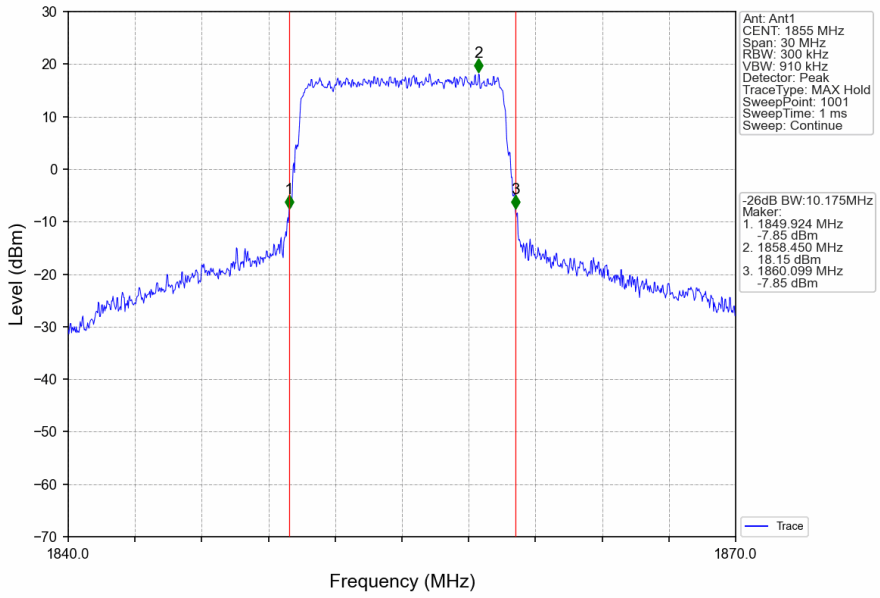
Band25_5MHz_16QAM_MCH_1882.5MHz_RB_25_0_NTNV



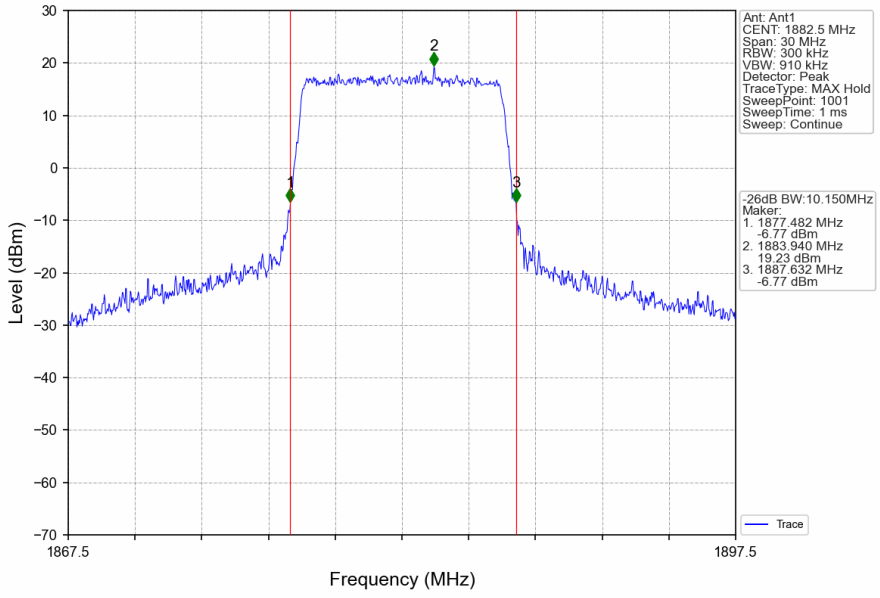
Band25_5MHz_16QAM_HCH_1912.5MHz_RB_25_0_NTNV



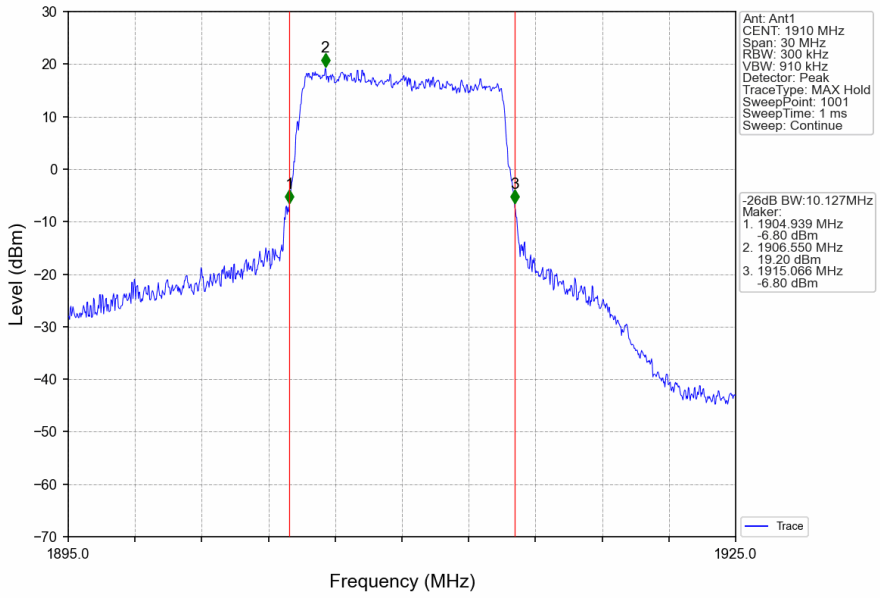
Band25_10MHz_QPSK_LCH_1855MHz_RB_50_0_NTNV



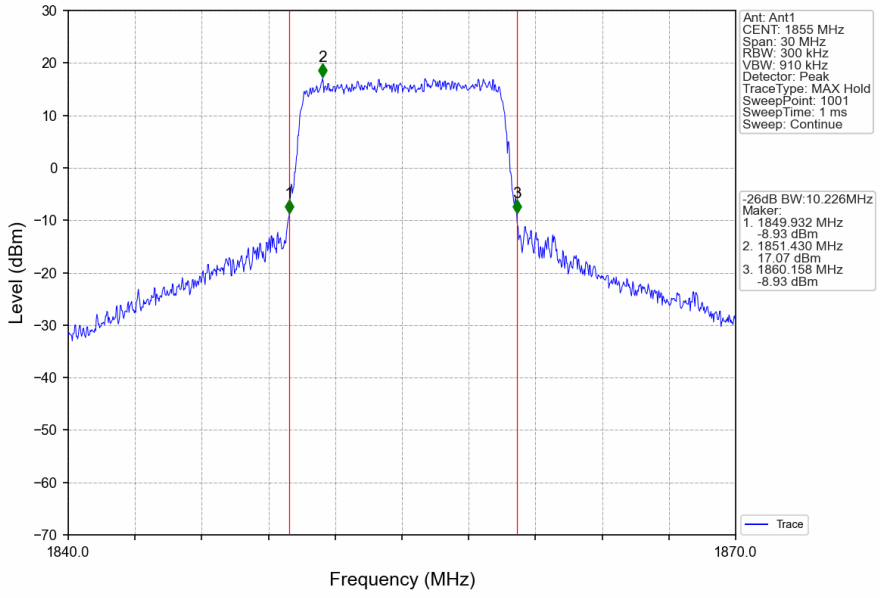
Band25_10MHz_QPSK_MCH_1882.5MHz_RB_50_0_NTNV



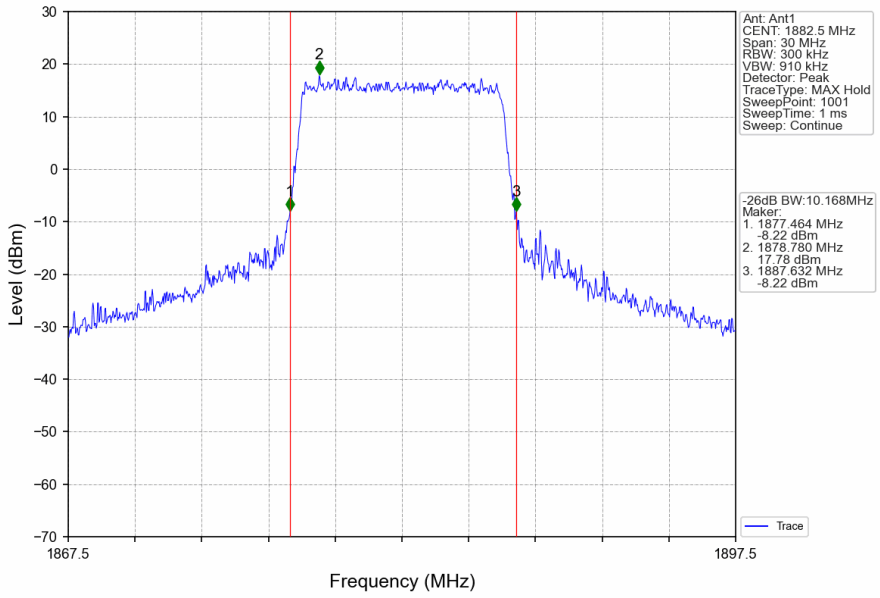
Band25_10MHz_QPSK_HCH_1910MHz_RB_50_0_NTNV



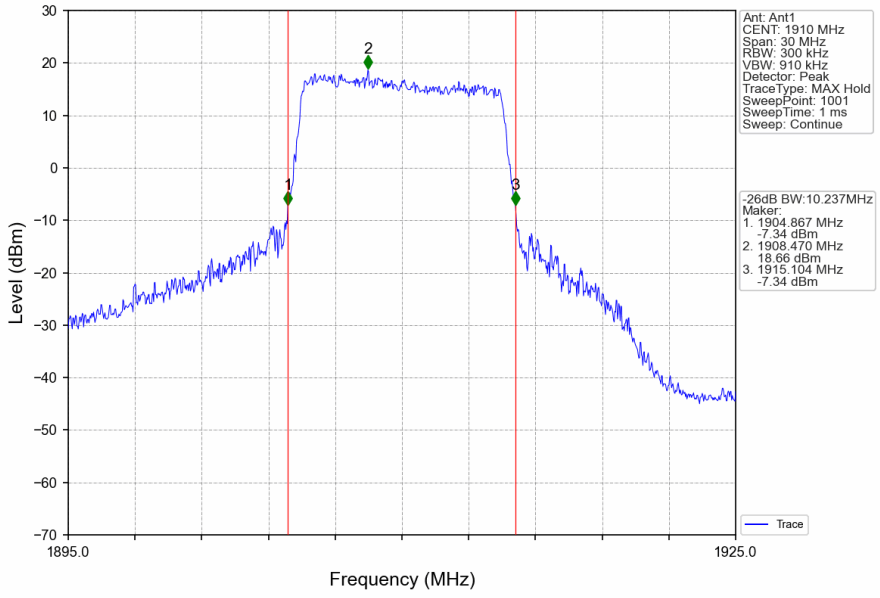
Band25_10MHz_16QAM_LCH_1855MHz_RB_50_0_NTNV



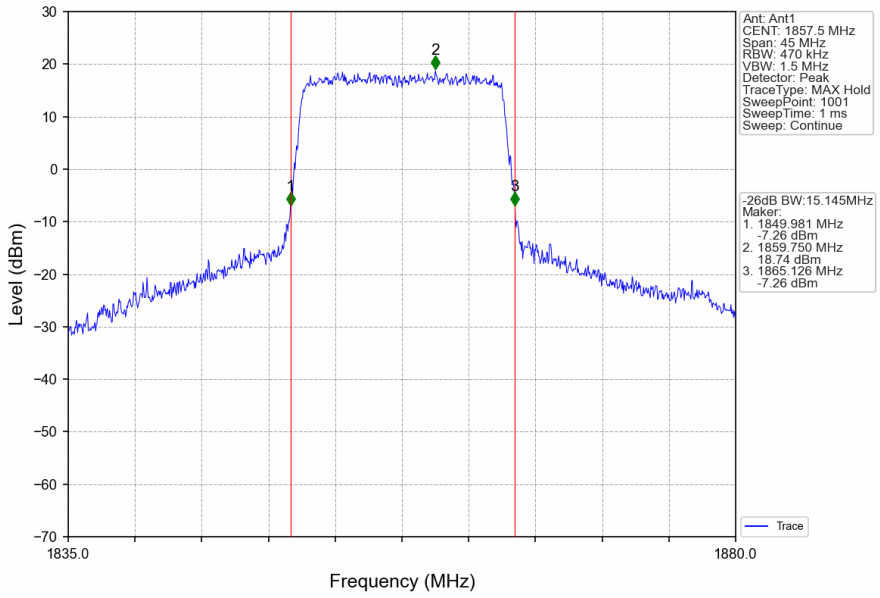
Band25_10MHz_16QAM_MCH_1882.5MHz_RB_50_0_NTNV



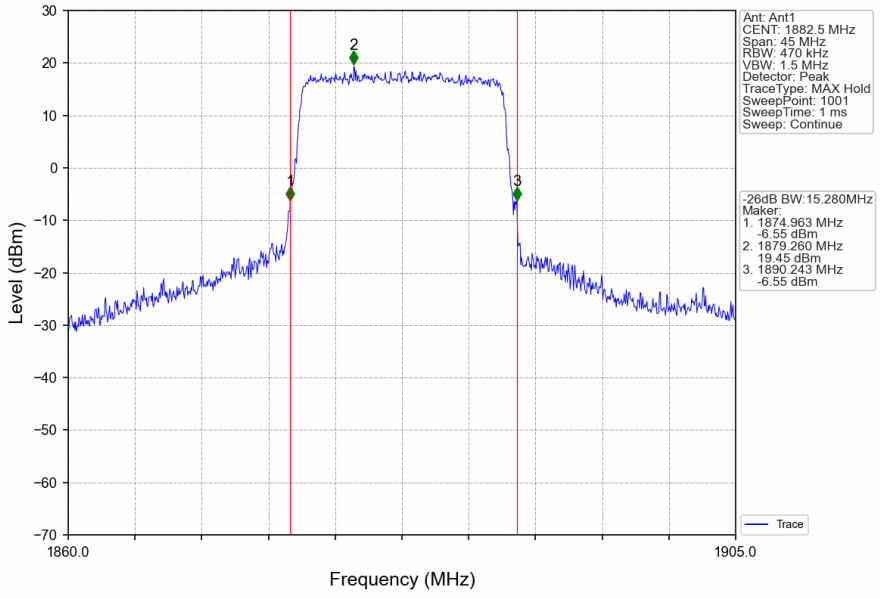
Band25_10MHz_16QAM_HCH_1910MHz_RB_50_0_NTNV



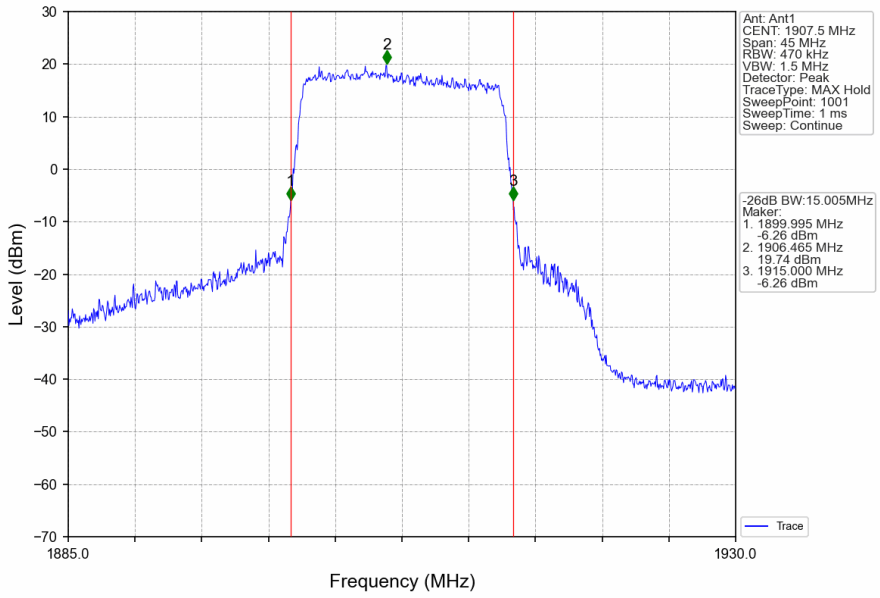
Band25_15MHz_QPSK_LCH_1857.5MHz_RB_75_0_NTNV



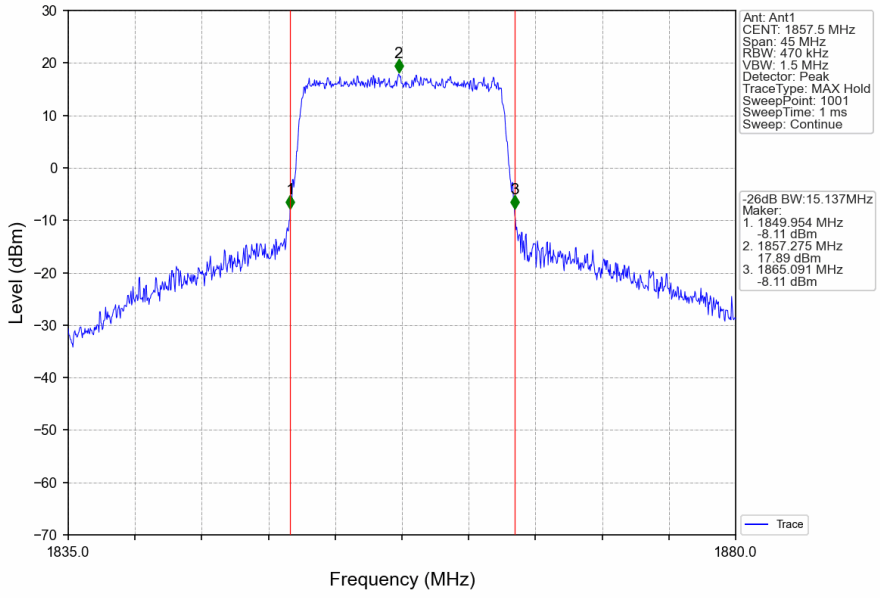
Band25_15MHz_QPSK_MCH_1882.5MHz_RB_75_0_NTNV



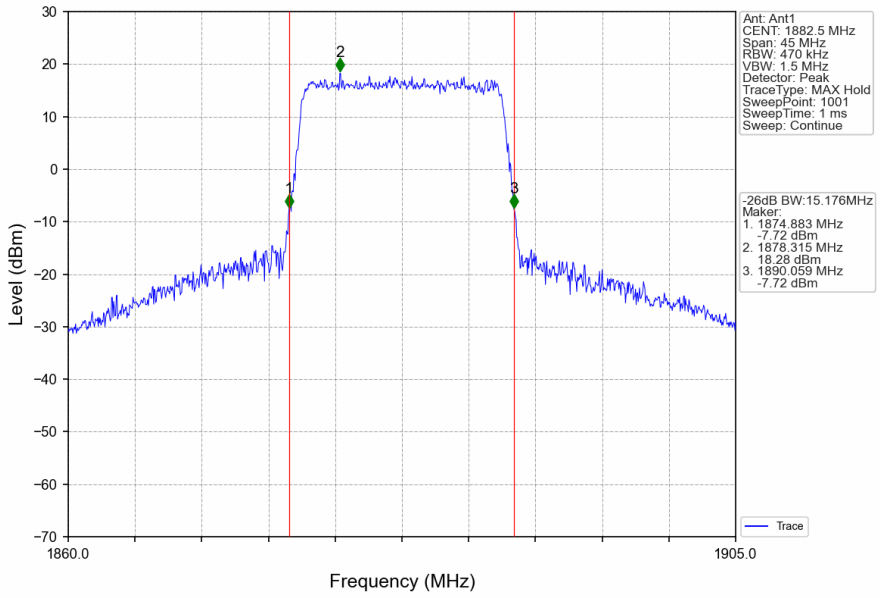
Band25_15MHz_QPSK_HCH_1907.5MHz_RB_75_0_NTNV



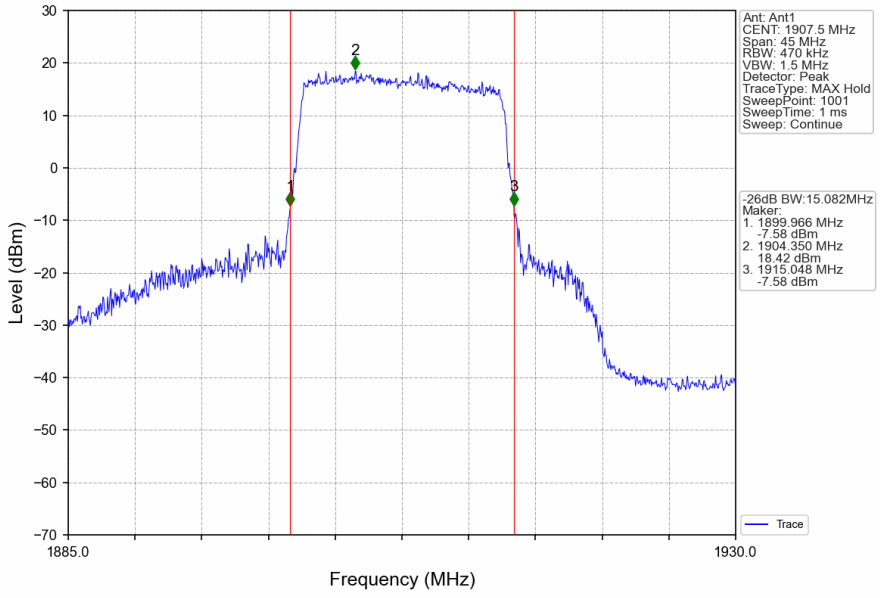
Band25_15MHz_16QAM_LCH_1857.5MHz_RB_75_0_NTNV



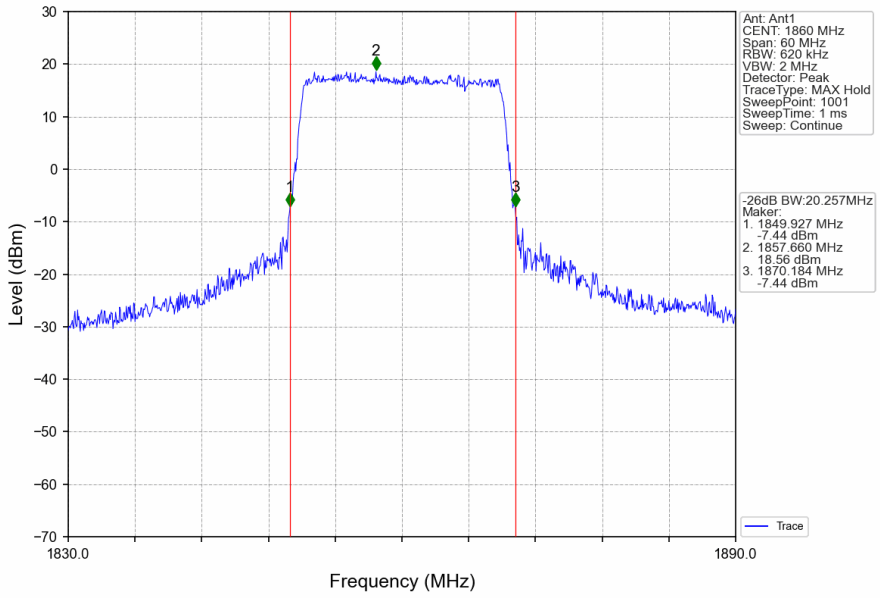
Band25_15MHz_16QAM_MCH_1882.5MHz_RB_75_0_NTNV



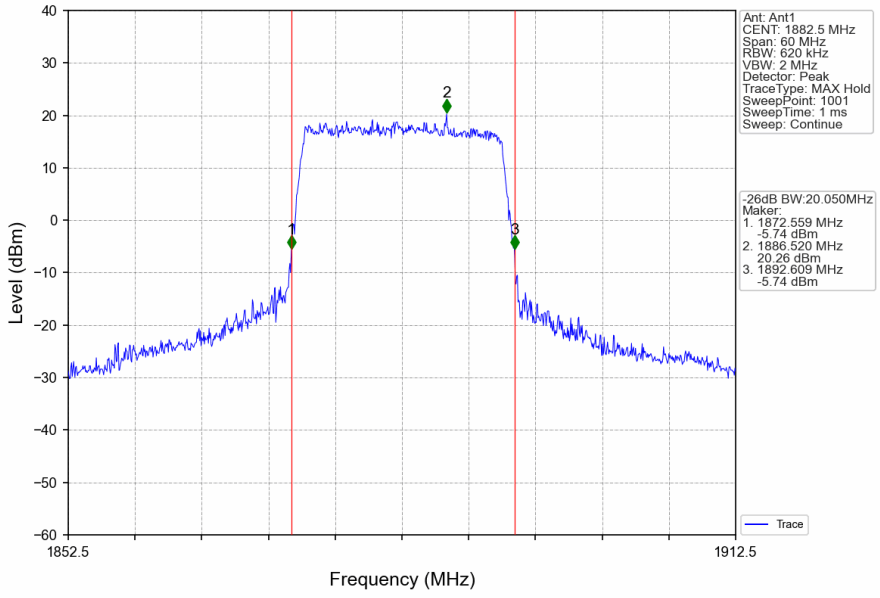
Band25_15MHz_16QAM_HCH_1907.5MHz_RB_75_0_NTNV



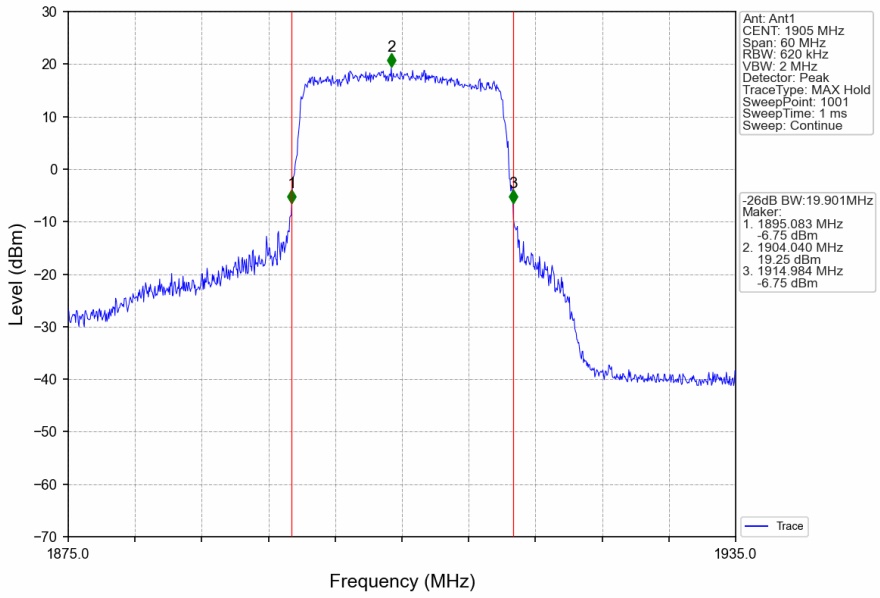
Band25_20MHz_QPSK_LCH_1860MHz_RB_100_0_NTNV



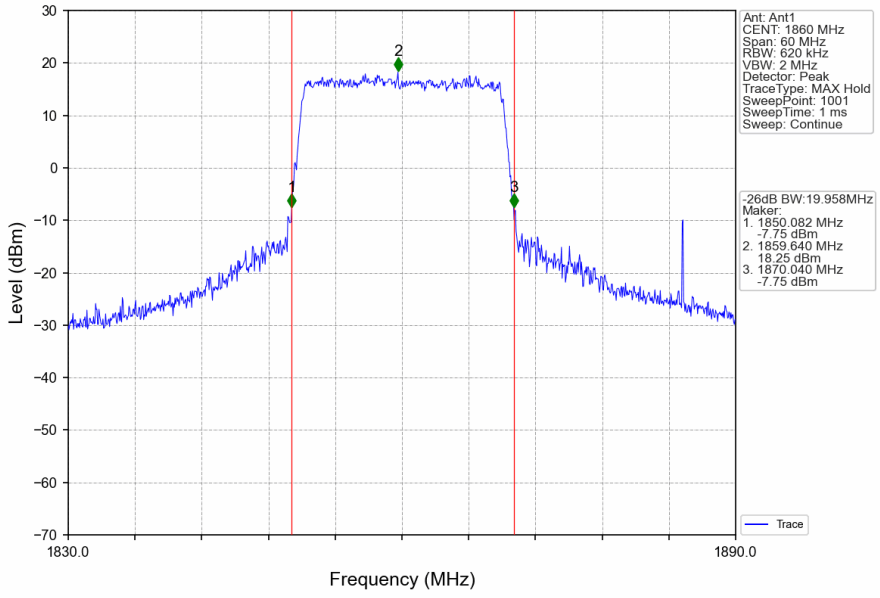
Band25_20MHz_QPSK_MCH_1882.5MHz_RB_100_0_NTNV



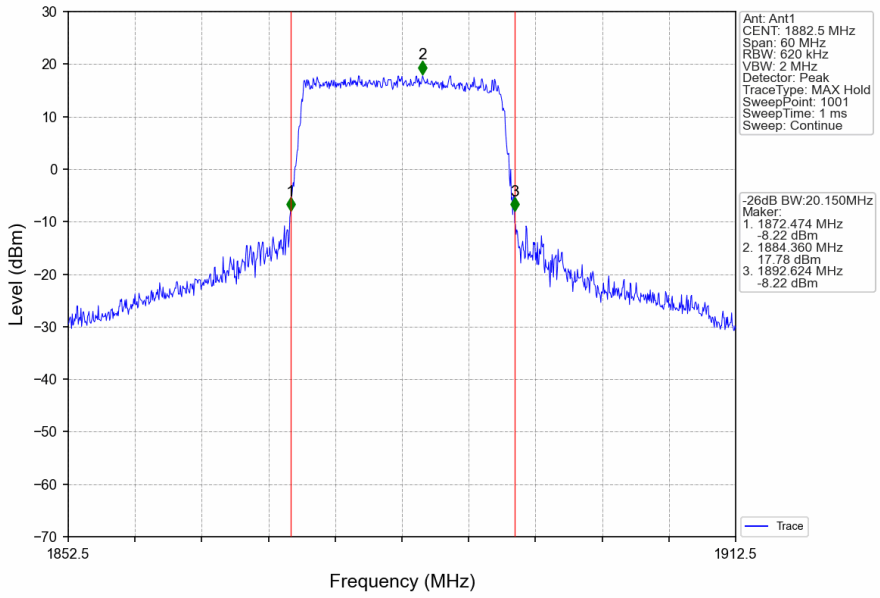
Band25_20MHz_QPSK_HCH_1905MHz_RB_100_0_NTNV



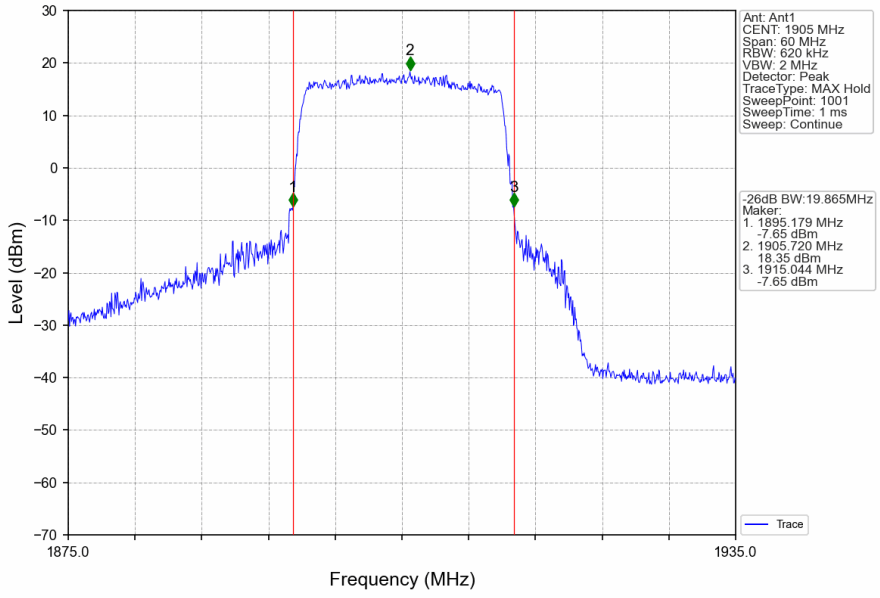
Band25_20MHz_16QAM_LCH_1860MHz_RB_100_0_NTNV



Band25_20MHz_16QAM_MCH_1882.5MHz_RB_100_0_NTNV



Band25_20MHz_16QAM_HCH_1905MHz_RB_100_0_NTNV



4. Peak-Average Ratio

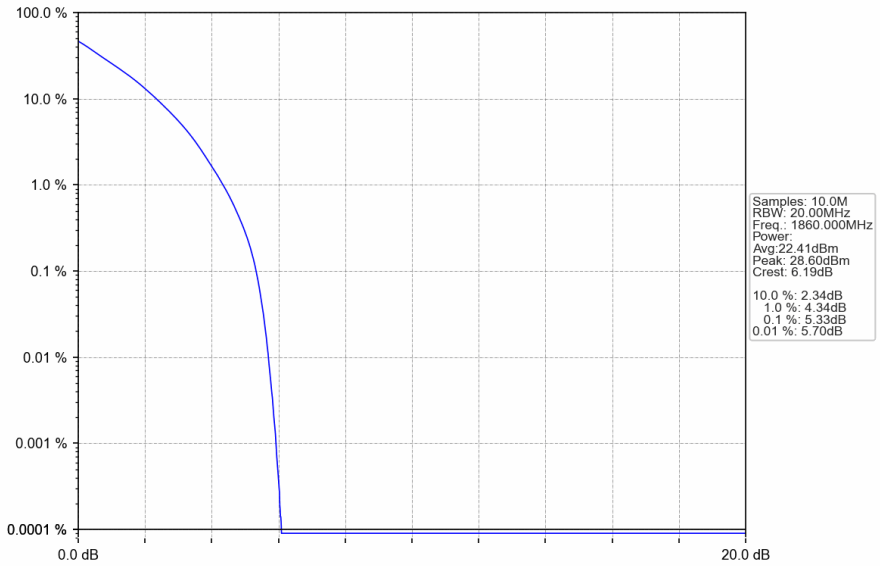
4.1 B25_20MHz

4.1.1 Test Result

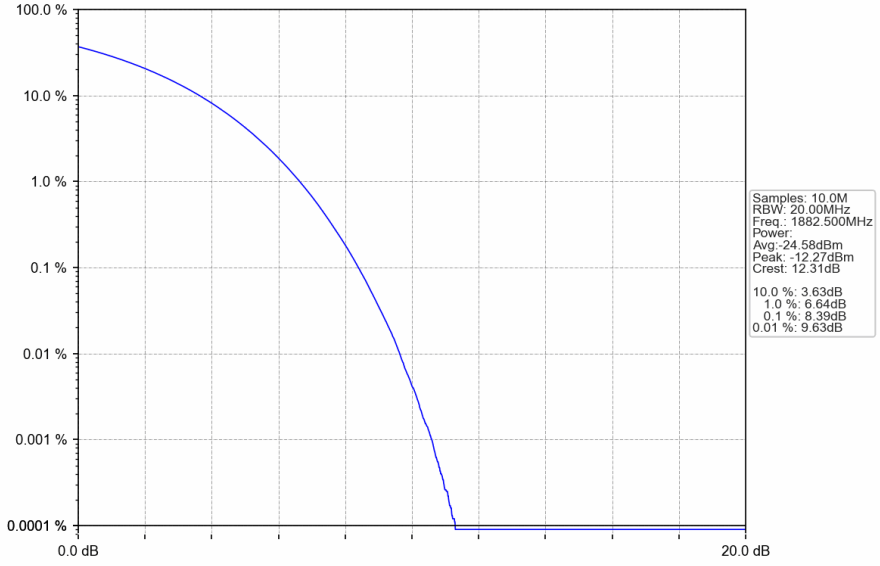
Band: 25 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1860	100	0	5.33	<=13	Pass
	1882.5	100	0	8.39	<=13	Pass
	1905	100	0	8.39	<=13	Pass
16QAM	1860	100	0	6.16	<=13	Pass
	1882.5	100	0	6.14	<=13	Pass
	1905	100	0	6.10	<=13	Pass

4.1.2 Test Graph

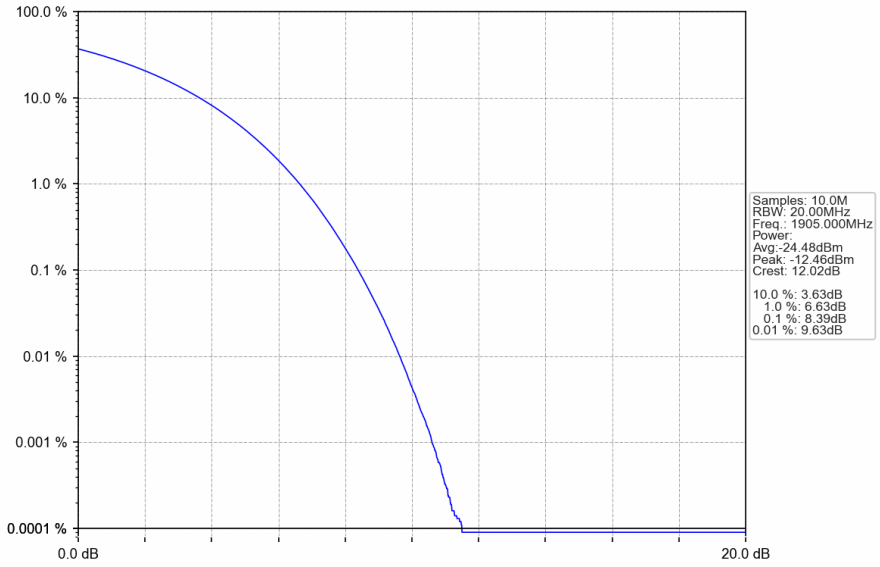
Band25_20MHz_QPSK_LCH_1860MHz_RB_100_0_NTNV



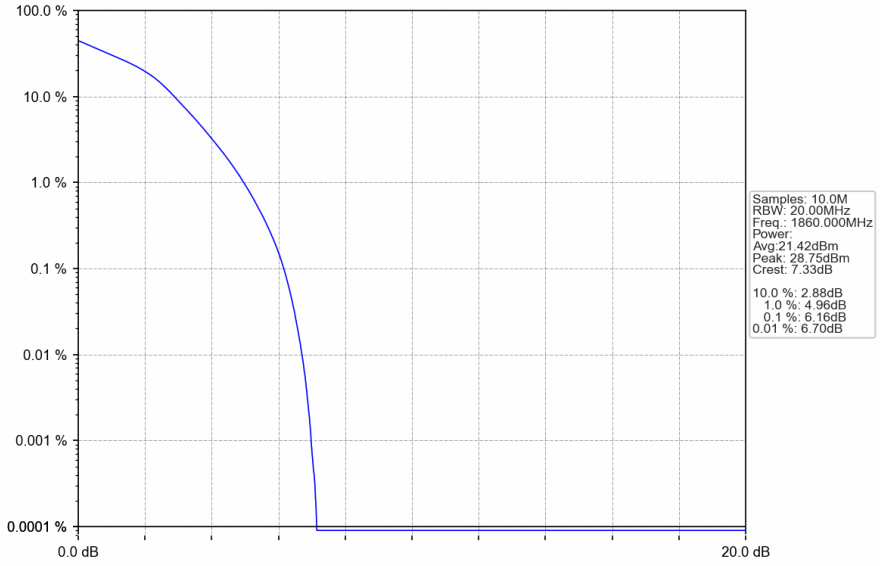
Band25_20MHz_QPSK_MCH_1882.5MHz_RB_100_0_NTNV



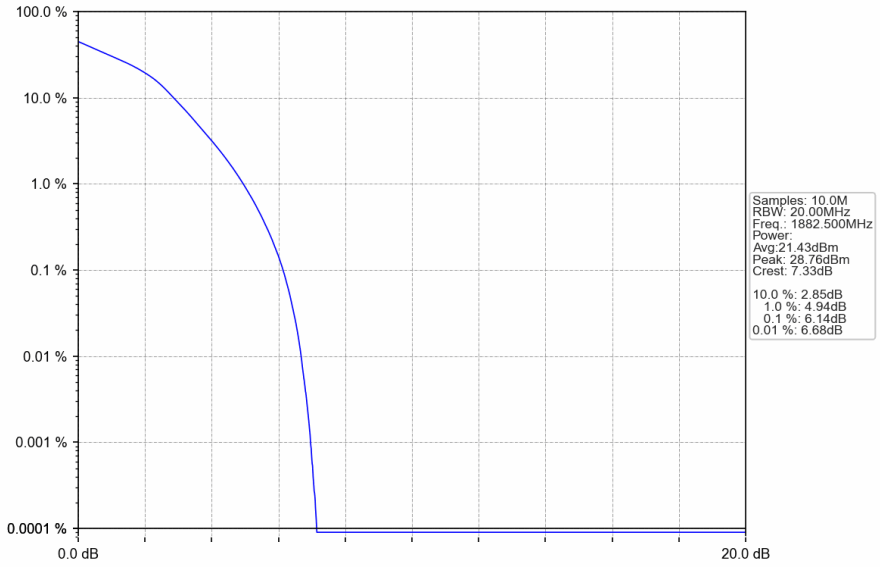
Band25_20MHz_QPSK_HCH_1905MHz_RB_100_0_NTNV



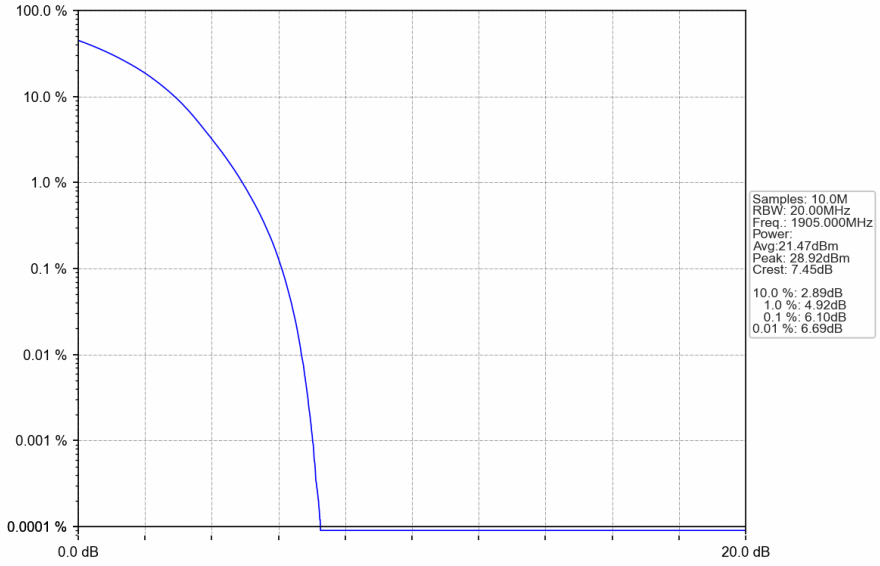
Band25_20MHz_16QAM_LCH_1860MHz_RB_100_0_NTNV



Band25_20MHz_16QAM_MCH_1882.5MHz_RB_100_0_NTNV



Band25_20MHz_16QAM_HCH_1905MHz_RB_100_0_NTNV



5. Spurious Emission

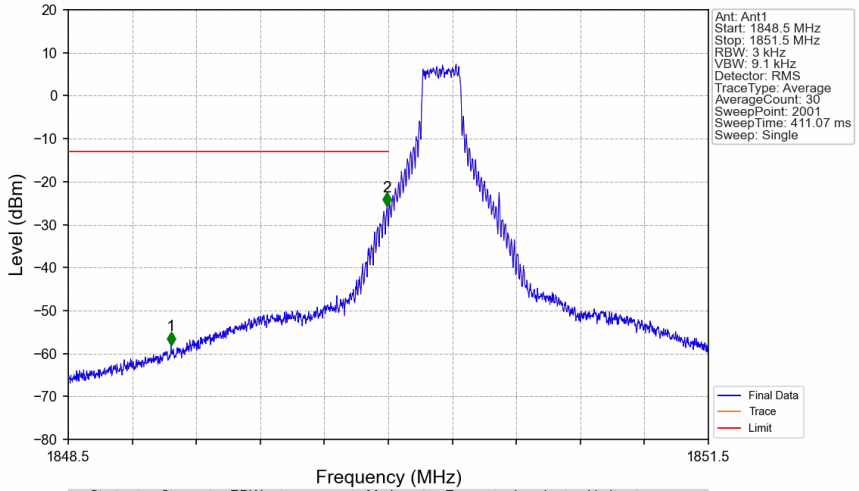
5.1 B25_1.4MHz

5.1.1 Test Result

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

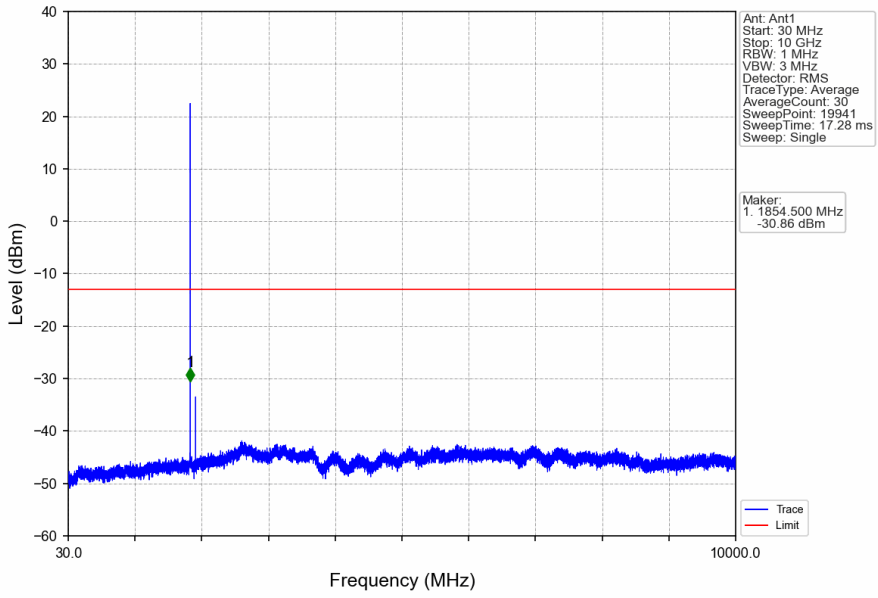
5.1.2 Test Graph

Band25_1.4MHz_QPSK_LCH_1850.7MHz_RB_1_0_NTNV

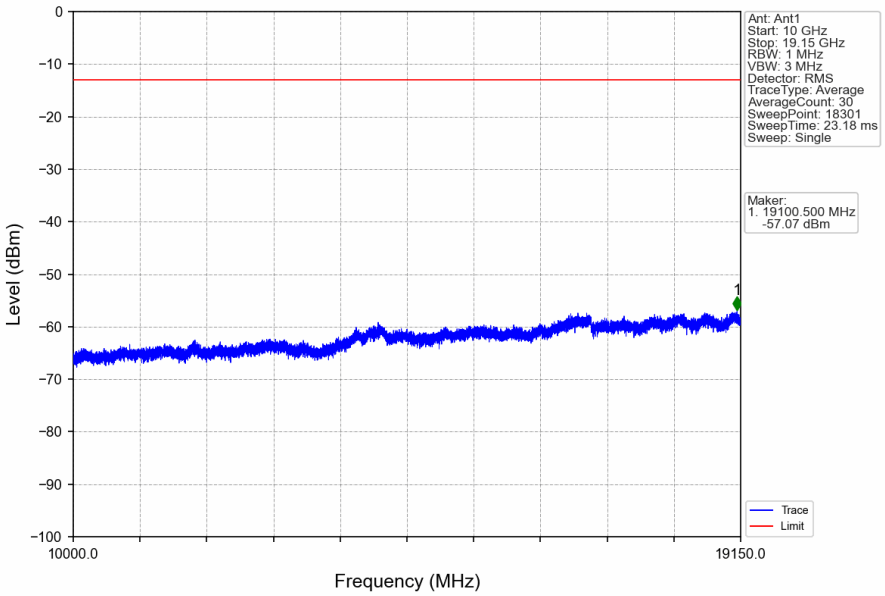


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1848.5	1849	1	/	1	1848.982	-58.05	-13	Pass
1849	1850	0.003	/	2	1849.994	-25.74	-13	Pass
1850	1851.5	0.003	/	/	/	/	/	/

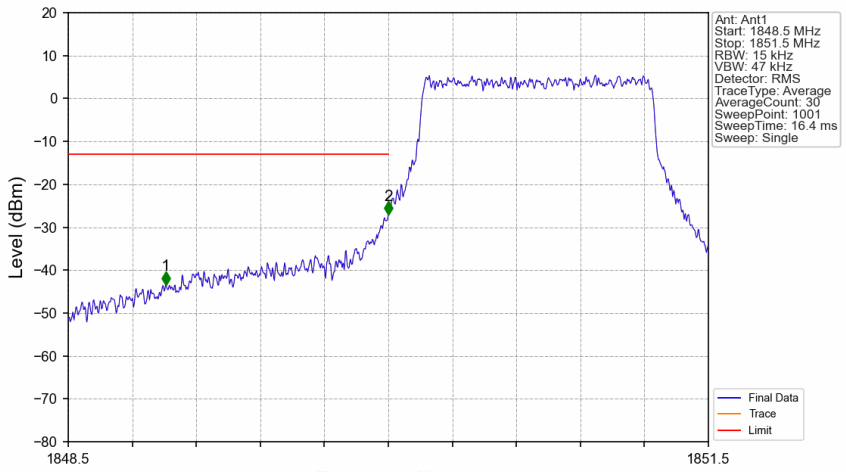
Band25_1.4MHz_QPSK_LCH_1850.7MHz_RB_1_0_NTNV



Band25_1.4MHz_QPSK_LCH_1850.7MHz_RB_1_0_NTNV

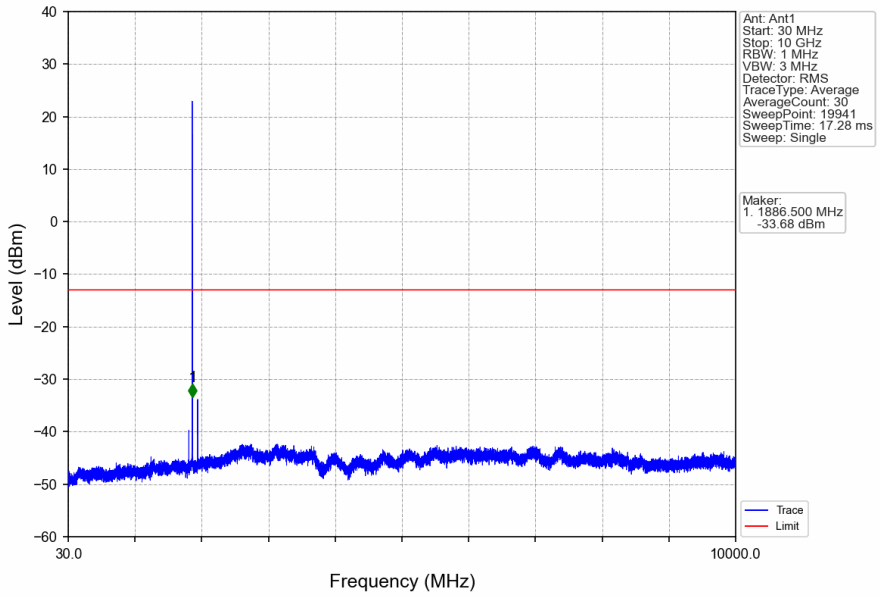


Band25_1.4MHz_QPSK_LCH_1850.7MHz_RB_6_0_NTNV

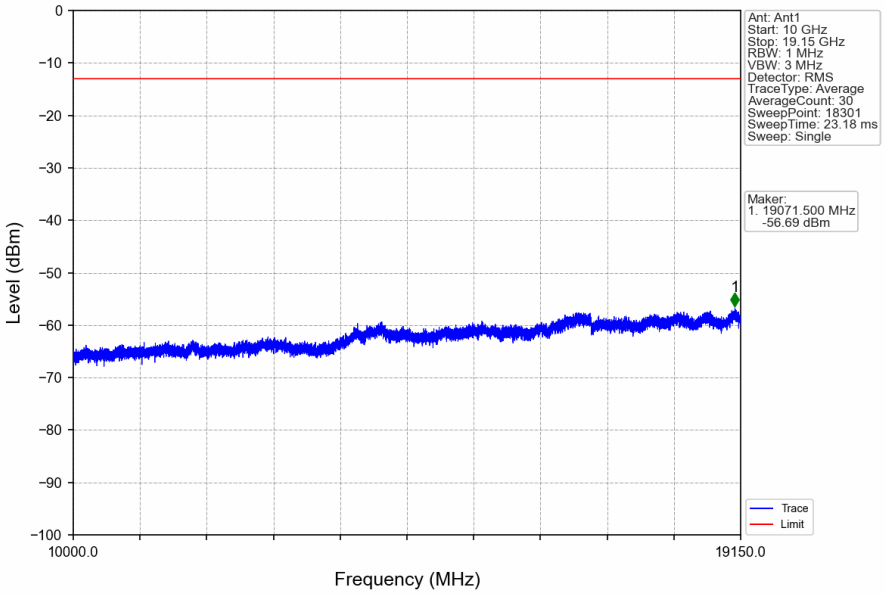


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1848.5	1849	1	/	1	1848.956	-43.40	-13	Pass
1849	1850	0.015	/	2	1850.000	-27.05	-13	Pass
1850	1851.5	0.015	/	/	/	/	/	/

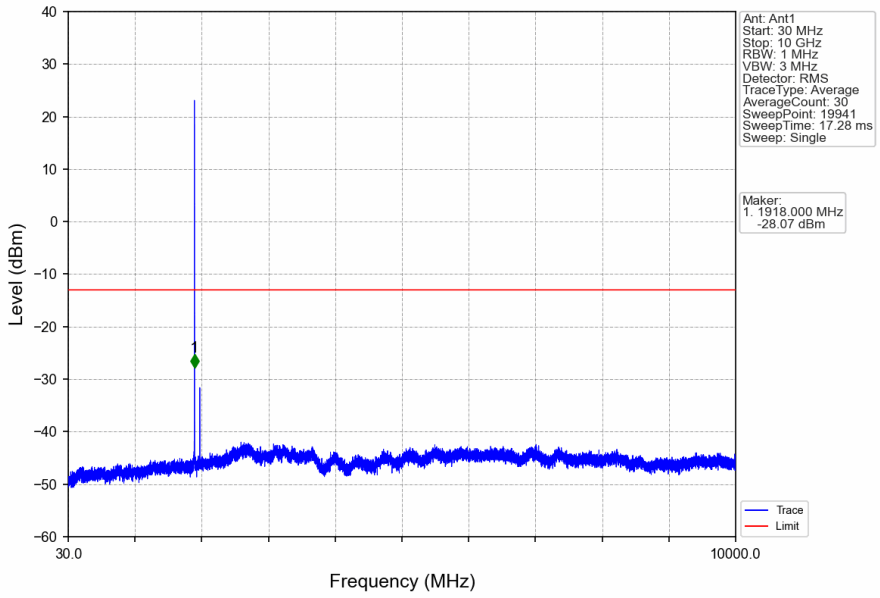
Band25_1.4MHz_QPSK_MCH_1882.5MHz_RB_1_0_NTNV



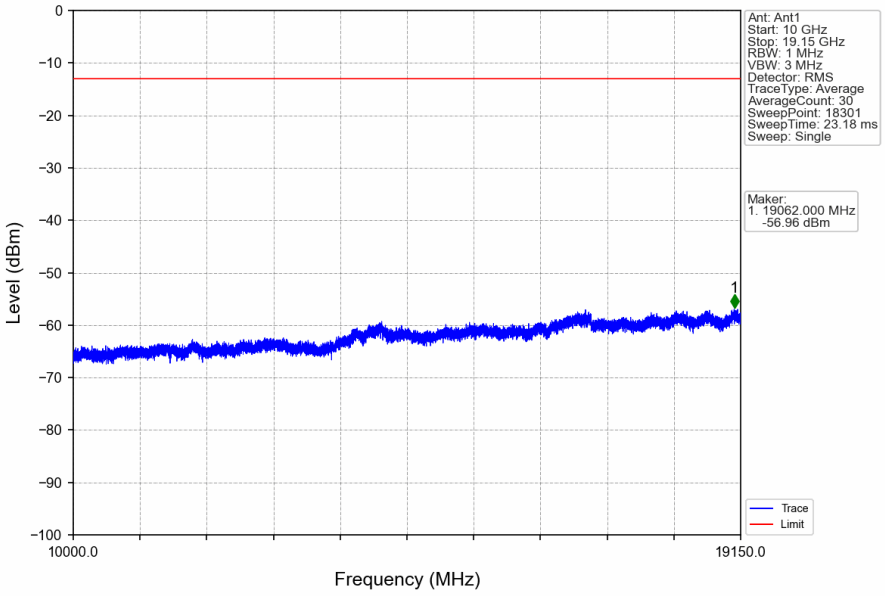
Band25_1.4MHz_QPSK_MCH_1882.5MHz_RB_1_0_NTNV



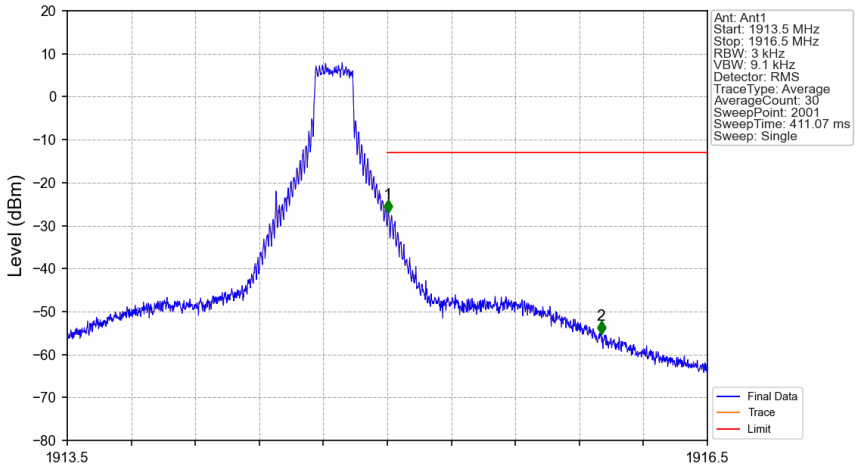
Band25_1.4MHz_QPSK_HCH_1914.3MHz_RB_1_0_NTNV



Band25_1.4MHz_QPSK_HCH_1914.3MHz_RB_1_0_NTNV

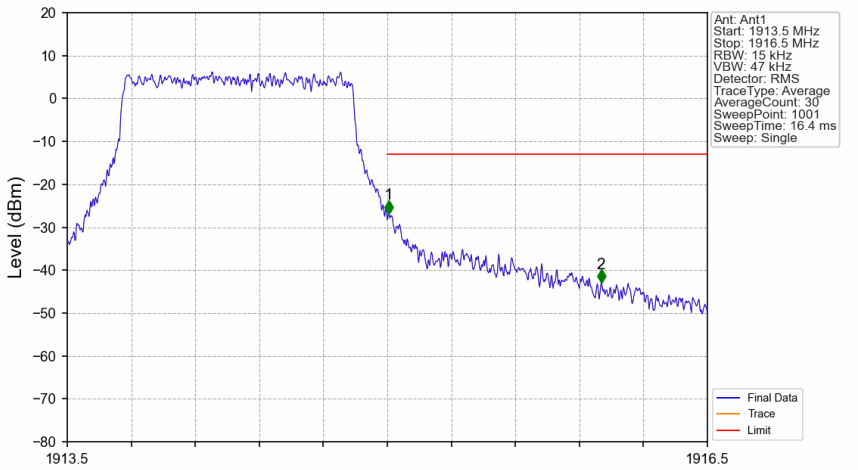


Band25_1.4MHz_QPSK_HCH_1914.3MHz_RB_1_5_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1913.5	1915	0.003	/	/	/	/	/	/
1915	1916	0.003	/	1	1915.003	-27.09	-13	Pass
1916	1916.5	1	/	2	1916.002	-55.37	-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
1913.5	1915	0.015	/	/	/	/	/	/
1915	1916	0.015	/	1	1915.006	-26.85	-13	Pass
1916	1916.5	1	/	2	1916.002	-43.01	-13	Pass

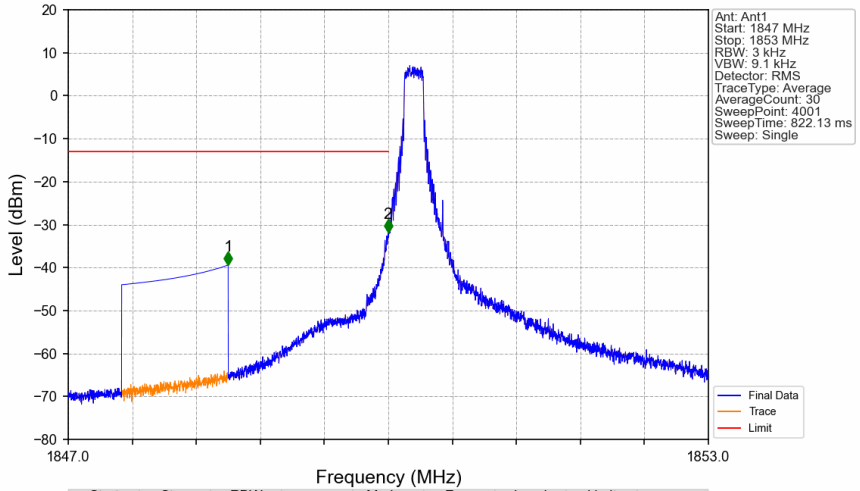
5.2 B25_3MHz

5.2.1 Test Result

Band: 25 / 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
	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

5.2.2 Test Graph

Band25_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	1848.498	-39.40	-13	Pass
1849	1850	0.003	/	2	1849.997	-31.89	-13	Pass
1850	1853	0.003	/	/	/	/	/	/

Band25_3MHz_QPSK_LCH_1851.5MHz_RB_1_0_NTNV