

Appendix - LTE_band_25

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 B25_1.4MHz_EIRP

Band: 25 / Bandwidth: 1.4MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1850.7	1	0	22.00	0.52	22.52	<=33.01	Pass
			2	21.99	0.52	22.51	<=33.01	Pass
			5	22.03	0.52	22.55	<=33.01	Pass
		3	0	22.03	0.52	22.55	<=33.01	Pass
			2	22.02	0.52	22.54	<=33.01	Pass
			3	22.05	0.52	22.57	<=33.01	Pass
		6	0	21.06	0.52	21.58	<=33.01	Pass
	1882.5	1	0	21.60	0.52	22.12	<=33.01	Pass
			2	21.55	0.52	22.07	<=33.01	Pass
			5	21.60	0.52	22.12	<=33.01	Pass
		3	0	21.65	0.52	22.17	<=33.01	Pass
			2	21.67	0.52	22.19	<=33.01	Pass
			3	21.61	0.52	22.13	<=33.01	Pass
		6	0	20.76	0.52	21.28	<=33.01	Pass
	1914.3	1	0	21.42	0.52	21.94	<=33.01	Pass
			2	21.59	0.52	22.11	<=33.01	Pass
			5	21.60	0.52	22.12	<=33.01	Pass
		3	0	21.54	0.52	22.06	<=33.01	Pass
			2	21.48	0.52	22.00	<=33.01	Pass
			3	21.54	0.52	22.06	<=33.01	Pass
		6	0	20.55	0.52	21.07	<=33.01	Pass
16QAM	1850.7	1	0	21.03	0.52	21.55	<=33.01	Pass
			2	21.03	0.52	21.55	<=33.01	Pass
			5	21.03	0.52	21.55	<=33.01	Pass
		3	0	20.93	0.52	21.45	<=33.01	Pass
			2	20.94	0.52	21.46	<=33.01	Pass
			3	20.87	0.52	21.39	<=33.01	Pass
		6	0	20.16	0.52	20.68	<=33.01	Pass
	1882.5	1	0	20.82	0.52	21.34	<=33.01	Pass
			2	20.82	0.52	21.34	<=33.01	Pass
			5	20.82	0.52	21.34	<=33.01	Pass
		3	0	20.51	0.52	21.03	<=33.01	Pass
			2	20.55	0.52	21.07	<=33.01	Pass
			3	20.50	0.52	21.02	<=33.01	Pass
		6	0	19.66	0.52	20.18	<=33.01	Pass
	1914.3	1	0	21.26	0.52	21.78	<=33.01	Pass
			2	21.21	0.52	21.73	<=33.01	Pass
			5	21.26	0.52	21.78	<=33.01	Pass
		3	0	20.79	0.52	21.31	<=33.01	Pass
			2	20.77	0.52	21.29	<=33.01	Pass
			3	20.78	0.52	21.30	<=33.01	Pass
		6	0	19.90	0.52	20.42	<=33.01	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.1.2 B25_3MHz_EIRP

Band: 25 / Bandwidth: 3MHz / NTNV									
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict	
		Size	Offset			Result	Limit		
QPSK	1851.5	1	0	22.08	0.52	22.60	<=33.01	Pass	
			7	22.05	0.52	22.57	<=33.01	Pass	
			14	22.02	0.52	22.54	<=33.01	Pass	
		8	0	20.99	0.52	21.51	<=33.01	Pass	
			4	21.00	0.52	21.52	<=33.01	Pass	
			7	21.00	0.52	21.52	<=33.01	Pass	
		15	0	20.97	0.52	21.49	<=33.01	Pass	
		1882.5	1	0	21.52	0.52	22.04	<=33.01	Pass
				7	21.54	0.52	22.06	<=33.01	Pass
	14			21.61	0.52	22.13	<=33.01	Pass	
	8		0	20.68	0.52	21.20	<=33.01	Pass	
			4	20.67	0.52	21.19	<=33.01	Pass	
			7	20.65	0.52	21.17	<=33.01	Pass	
	15		0	20.68	0.52	21.20	<=33.01	Pass	
	1913.5		1	0	21.50	0.52	22.02	<=33.01	Pass
				7	21.53	0.52	22.05	<=33.01	Pass
		14		21.51	0.52	22.03	<=33.01	Pass	
		8	0	20.52	0.52	21.04	<=33.01	Pass	
			4	20.55	0.52	21.07	<=33.01	Pass	
			7	20.57	0.52	21.09	<=33.01	Pass	
		15	0	20.55	0.52	21.07	<=33.01	Pass	
16QAM		1851.5	1	0	21.05	0.52	21.57	<=33.01	Pass
				7	21.06	0.52	21.58	<=33.01	Pass
	14			21.05	0.52	21.57	<=33.01	Pass	
	8		0	20.37	0.52	20.89	<=33.01	Pass	
			4	20.39	0.52	20.91	<=33.01	Pass	
			7	20.38	0.52	20.90	<=33.01	Pass	
	15		0	20.19	0.52	20.71	<=33.01	Pass	
	1882.5		1	0	21.62	0.52	22.14	<=33.01	Pass
				7	21.62	0.52	22.14	<=33.01	Pass
		14		21.67	0.52	22.19	<=33.01	Pass	
		8	0	19.88	0.52	20.40	<=33.01	Pass	
			4	19.88	0.52	20.40	<=33.01	Pass	
			7	19.86	0.52	20.38	<=33.01	Pass	
		15	0	19.75	0.52	20.27	<=33.01	Pass	
		1913.5	1	0	21.55	0.52	22.07	<=33.01	Pass
				7	21.51	0.52	22.03	<=33.01	Pass
	14			21.48	0.52	22.00	<=33.01	Pass	
	8		0	19.90	0.52	20.42	<=33.01	Pass	
			4	19.91	0.52	20.43	<=33.01	Pass	
			7	19.90	0.52	20.42	<=33.01	Pass	
	15		0	19.78	0.52	20.30	<=33.01	Pass	
Note1: EIRP=Conducted Power+Antenna Gain									

1.1.3 B25_5MHz_EIRP

Band: 25 / Bandwidth: 5MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1852.5	1	0	22.17	0.52	22.69	<=33.01	Pass
			13	22.11	0.52	22.63	<=33.01	Pass
			24	22.08	0.52	22.60	<=33.01	Pass
		12	0	21.03	0.52	21.55	<=33.01	Pass
			6	21.09	0.52	21.61	<=33.01	Pass
			13	21.02	0.52	21.54	<=33.01	Pass

16QAM	1882.5	25	0	21.08	0.52	21.60	<=33.01	Pass
			0	21.73	0.52	22.25	<=33.01	Pass
		1	13	21.65	0.52	22.17	<=33.01	Pass
			24	21.84	0.52	22.36	<=33.01	Pass
		12	0	20.73	0.52	21.25	<=33.01	Pass
			6	20.79	0.52	21.31	<=33.01	Pass
			13	20.76	0.52	21.28	<=33.01	Pass
		25	0	20.81	0.52	21.33	<=33.01	Pass
	1912.5	1	0	21.45	0.52	21.97	<=33.01	Pass
			13	21.41	0.52	21.93	<=33.01	Pass
			24	21.41	0.52	21.93	<=33.01	Pass
		12	0	20.69	0.52	21.21	<=33.01	Pass
			6	20.65	0.52	21.17	<=33.01	Pass
			13	20.61	0.52	21.13	<=33.01	Pass
		25	0	20.63	0.52	21.15	<=33.01	Pass
	1852.5	1	0	21.51	0.52	22.03	<=33.01	Pass
			13	21.57	0.52	22.09	<=33.01	Pass
			24	21.51	0.52	22.03	<=33.01	Pass
		12	0	20.07	0.52	20.59	<=33.01	Pass
			6	19.98	0.52	20.50	<=33.01	Pass
			13	20.08	0.52	20.60	<=33.01	Pass
		25	0	20.11	0.52	20.63	<=33.01	Pass
	1882.5	1	0	20.36	0.52	20.88	<=33.01	Pass
			13	20.36	0.52	20.88	<=33.01	Pass
			24	20.32	0.52	20.84	<=33.01	Pass
		12	0	19.92	0.52	20.44	<=33.01	Pass
			6	19.80	0.52	20.32	<=33.01	Pass
			13	19.82	0.52	20.34	<=33.01	Pass
		25	0	19.91	0.52	20.43	<=33.01	Pass
	1912.5	1	0	21.20	0.52	21.72	<=33.01	Pass
			13	21.13	0.52	21.65	<=33.01	Pass
			24	21.21	0.52	21.73	<=33.01	Pass
		12	0	19.69	0.52	20.21	<=33.01	Pass
			6	19.73	0.52	20.25	<=33.01	Pass
			13	19.63	0.52	20.15	<=33.01	Pass
		25	0	19.84	0.52	20.36	<=33.01	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.1.4 B25_10MHz_EIRP

Band: 25 / Bandwidth: 10MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1855	1	0	22.03	0.52	22.55	<=33.01	Pass
			25	21.96	0.52	22.48	<=33.01	Pass
			49	21.87	0.52	22.39	<=33.01	Pass
		25	0	21.14	0.52	21.66	<=33.01	Pass
			13	21.11	0.52	21.63	<=33.01	Pass
			25	21.01	0.52	21.53	<=33.01	Pass
		50	0	20.97	0.52	21.49	<=33.01	Pass
	1882.5	1	0	21.79	0.52	22.31	<=33.01	Pass
			25	21.77	0.52	22.29	<=33.01	Pass
			49	21.86	0.52	22.38	<=33.01	Pass
		25	0	20.69	0.52	21.21	<=33.01	Pass
			13	20.75	0.52	21.27	<=33.01	Pass
			25	20.71	0.52	21.23	<=33.01	Pass
		50	0	20.70	0.52	21.22	<=33.01	Pass
	1910	1	0	21.49	0.52	22.01	<=33.01	Pass

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16QAM		25	25	21.46	0.52	21.98	<=33.01	Pass
			49	21.47	0.52	21.99	<=33.01	Pass
			0	20.72	0.52	21.24	<=33.01	Pass
			13	20.58	0.52	21.10	<=33.01	Pass
			25	20.62	0.52	21.14	<=33.01	Pass
	1855	1	0	20.67	0.52	21.19	<=33.01	Pass
			25	21.39	0.52	21.91	<=33.01	Pass
			49	21.31	0.52	21.83	<=33.01	Pass
		25	0	21.35	0.52	21.87	<=33.01	Pass
			25	20.32	0.52	20.84	<=33.01	Pass
			13	20.24	0.52	20.76	<=33.01	Pass
	1882.5	1	25	20.31	0.52	20.83	<=33.01	Pass
			0	20.17	0.52	20.69	<=33.01	Pass
			49	21.33	0.52	21.85	<=33.01	Pass
		25	0	21.32	0.52	21.84	<=33.01	Pass
			25	21.40	0.52	21.92	<=33.01	Pass
	1910	1	49	21.32	0.52	21.84	<=33.01	Pass
			0	19.90	0.52	20.42	<=33.01	Pass
			25	19.86	0.52	20.38	<=33.01	Pass
		25	25	19.93	0.52	20.45	<=33.01	Pass
			0	19.91	0.52	20.43	<=33.01	Pass
	1910	1	0	21.41	0.52	21.93	<=33.01	Pass
			25	21.30	0.52	21.82	<=33.01	Pass
			49	21.30	0.52	21.82	<=33.01	Pass
		25	0	19.71	0.52	20.23	<=33.01	Pass
			13	19.71	0.52	20.23	<=33.01	Pass
			25	19.76	0.52	20.28	<=33.01	Pass
		50	0	19.77	0.52	20.29	<=33.01	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.1.5 B25_15MHz_EIRP

Band: 25 / Bandwidth: 15MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1857.5	1	0	21.86	0.52	22.38	<=33.01	Pass
			38	21.81	0.52	22.33	<=33.01	Pass
			74	21.79	0.52	22.31	<=33.01	Pass
		36	0	21.03	0.52	21.55	<=33.01	Pass
			18	21.07	0.52	21.59	<=33.01	Pass
			39	21.03	0.52	21.55	<=33.01	Pass
	1882.5	1	0	21.07	0.52	21.59	<=33.01	Pass
			38	21.70	0.52	22.22	<=33.01	Pass
			74	21.72	0.52	22.24	<=33.01	Pass
		36	0	21.70	0.52	22.22	<=33.01	Pass
			18	20.77	0.52	21.29	<=33.01	Pass
			39	20.74	0.52	21.26	<=33.01	Pass
	1907.5	1	0	20.86	0.52	21.38	<=33.01	Pass
			38	20.76	0.52	21.28	<=33.01	Pass
			74	20.76	0.52	21.28	<=33.01	Pass
		36	0	21.49	0.52	22.01	<=33.01	Pass
			18	21.54	0.52	22.06	<=33.01	Pass
			39	21.44	0.52	21.96	<=33.01	Pass
16QAM	1857.5	1	0	20.68	0.52	21.20	<=33.01	Pass
			18	20.66	0.52	21.18	<=33.01	Pass
			39	20.60	0.52	21.12	<=33.01	Pass
16QAM	1857.5	1	0	20.68	0.52	21.20	<=33.01	Pass
			38	21.70	0.52	22.22	<=33.01	Pass
			74	21.69	0.52	22.21	<=33.01	Pass
16QAM	1857.5	1	0	21.64	0.52	22.16	<=33.01	Pass
			38	21.69	0.52	22.21	<=33.01	Pass
			74	21.64	0.52	22.16	<=33.01	Pass

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		36	0	20.21	0.52	20.73	<=33.01	Pass
			18	20.11	0.52	20.63	<=33.01	Pass
			39	20.07	0.52	20.59	<=33.01	Pass
		75	0	20.14	0.52	20.66	<=33.01	Pass
			0	22.14	0.52	22.66	<=33.01	Pass
			38	22.01	0.52	22.53	<=33.01	Pass
	1882.5	1	74	22.03	0.52	22.55	<=33.01	Pass
			0	19.83	0.52	20.35	<=33.01	Pass
			18	19.83	0.52	20.35	<=33.01	Pass
		36	39	19.89	0.52	20.41	<=33.01	Pass
			0	19.87	0.52	20.39	<=33.01	Pass
			74	21.41	0.52	21.93	<=33.01	Pass
	1907.5	1	38	21.42	0.52	21.94	<=33.01	Pass
			74	21.33	0.52	21.85	<=33.01	Pass
			0	19.82	0.52	20.34	<=33.01	Pass
		36	18	19.90	0.52	20.42	<=33.01	Pass
			39	19.81	0.52	20.33	<=33.01	Pass
			75	19.84	0.52	20.36	<=33.01	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.1.6 B25_20MHz_EIRP

Band: 25 / Bandwidth: 20MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1860	1	0	22.17	0.52	22.69	<=33.01	Pass
			50	22.07	0.52	22.59	<=33.01	Pass
			99	21.78	0.52	22.30	<=33.01	Pass
		50	0	21.02	0.52	21.54	<=33.01	Pass
			25	21.03	0.52	21.55	<=33.01	Pass
			50	20.88	0.52	21.40	<=33.01	Pass
		100	0	20.95	0.52	21.47	<=33.01	Pass
			0	21.76	0.52	22.28	<=33.01	Pass
			50	21.69	0.52	22.21	<=33.01	Pass
		1882.5	99	21.76	0.52	22.28	<=33.01	Pass
			0	20.80	0.52	21.32	<=33.01	Pass
			25	20.81	0.52	21.33	<=33.01	Pass
	1905	50	50	20.75	0.52	21.27	<=33.01	Pass
			0	20.83	0.52	21.35	<=33.01	Pass
			100	20.83	0.52	21.35	<=33.01	Pass
		1905	0	21.57	0.52	22.09	<=33.01	Pass
			50	21.60	0.52	22.12	<=33.01	Pass
			99	21.56	0.52	22.08	<=33.01	Pass
		50	0	20.71	0.52	21.23	<=33.01	Pass
			25	20.69	0.52	21.21	<=33.01	Pass
			50	20.66	0.52	21.18	<=33.01	Pass
		100	0	20.66	0.52	21.18	<=33.01	Pass
16QAM	1860	1	0	22.30	0.52	22.82	<=33.01	Pass
			50	22.24	0.52	22.76	<=33.01	Pass
			99	22.15	0.52	22.67	<=33.01	Pass
		50	0	20.05	0.52	20.57	<=33.01	Pass
			25	20.08	0.52	20.60	<=33.01	Pass
			50	19.96	0.52	20.48	<=33.01	Pass
		100	0	20.13	0.52	20.65	<=33.01	Pass
			0	21.20	0.52	21.72	<=33.01	Pass
			50	21.23	0.52	21.75	<=33.01	Pass
	1882.5	1	99	21.18	0.52	21.70	<=33.01	Pass
			0	19.89	0.52	20.41	<=33.01	Pass
			25	19.82	0.52	20.34	<=33.01	Pass

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		100	50	19.94	0.52	20.46	<=33.01	Pass
			0	19.77	0.52	20.29	<=33.01	Pass
	1905	1	0	21.29	0.52	21.81	<=33.01	Pass
			50	21.35	0.52	21.87	<=33.01	Pass
			99	21.21	0.52	21.73	<=33.01	Pass
		50	0	19.72	0.52	20.24	<=33.01	Pass
			25	19.79	0.52	20.31	<=33.01	Pass
			50	19.88	0.52	20.40	<=33.01	Pass
		100	0	19.74	0.52	20.26	<=33.01	Pass
	Note1: EIRP=Conducted Power+Antenna Gain							

2. Frequency Stability

2.1 Test Result

2.1.1 B25_1.4MHz

Band: 25 / Bandwidth: 1.4MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1850.7	6	0	20	3.27	-12.531	-0.0068	-2.5 to 2.5	Pass
					3.85	-43.073	-0.0233	-2.5 to 2.5	Pass
					4.43	-6.065	-0.0033	-2.5 to 2.5	Pass
				-30	3.85	-37.065	-0.0200	-2.5 to 2.5	Pass
				-20	3.85	-32.229	-0.0174	-2.5 to 2.5	Pass
				-10	3.85	-30.499	-0.0165	-2.5 to 2.5	Pass
				0	3.85	-22.173	-0.0120	-2.5 to 2.5	Pass
				10	3.85	-19.856	-0.0107	-2.5 to 2.5	Pass
				30	3.85	-1.144	-0.0006	-2.5 to 2.5	Pass
				40	3.85	-53.058	-0.0287	-2.5 to 2.5	Pass
				50	3.85	5.250	0.0028	-2.5 to 2.5	Pass
	1882.5	6	0	20	3.27	-6.537	-0.0035	-2.5 to 2.5	Pass
					3.85	-4.950	-0.0026	-2.5 to 2.5	Pass
					4.43	-20.785	-0.0110	-2.5 to 2.5	Pass
				-30	3.85	3.390	0.0018	-2.5 to 2.5	Pass
				-20	3.85	-18.597	-0.0099	-2.5 to 2.5	Pass
				-10	3.85	-41.814	-0.0222	-2.5 to 2.5	Pass
				0	3.85	-7.238	-0.0038	-2.5 to 2.5	Pass
				10	3.85	-28.882	-0.0153	-2.5 to 2.5	Pass
				30	3.85	-39.654	-0.0211	-2.5 to 2.5	Pass
				40	3.85	-29.912	-0.0159	-2.5 to 2.5	Pass
				50	3.85	11.015	0.0059	-2.5 to 2.5	Pass
	1914.3	6	0	20	3.27	-17.481	-0.0091	-2.5 to 2.5	Pass
					3.85	-23.317	-0.0122	-2.5 to 2.5	Pass
					4.43	-44.389	-0.0232	-2.5 to 2.5	Pass
				-30	3.85	-2.904	-0.0015	-2.5 to 2.5	Pass
				-20	3.85	-24.261	-0.0127	-2.5 to 2.5	Pass
				-10	3.85	7.625	0.0040	-2.5 to 2.5	Pass
				0	3.85	-11.187	-0.0058	-2.5 to 2.5	Pass
				10	3.85	-38.009	-0.0199	-2.5 to 2.5	Pass
				30	3.85	-14.048	-0.0073	-2.5 to 2.5	Pass
				40	3.85	-5.121	-0.0027	-2.5 to 2.5	Pass
				50	3.85	-40.455	-0.0211	-2.5 to 2.5	Pass
16QAM	1850.7	6	0	20	3.27	44.146	0.0239	-2.5 to 2.5	Pass
					3.85	30.885	0.0167	-2.5 to 2.5	Pass
					4.43	13.304	0.0072	-2.5 to 2.5	Pass

				-30	3.85	11.215	0.0061	-2.5 to 2.5	Pass
				-20	3.85	-9.027	-0.0049	-2.5 to 2.5	Pass
				-10	3.85	-15.235	-0.0082	-2.5 to 2.5	Pass
				0	3.85	-18.926	-0.0102	-2.5 to 2.5	Pass
				10	3.85	-21.172	-0.0114	-2.5 to 2.5	Pass
				30	3.85	-30.084	-0.0163	-2.5 to 2.5	Pass
				40	3.85	-8.769	-0.0047	-2.5 to 2.5	Pass
				50	3.85	-9.928	-0.0054	-2.5 to 2.5	Pass
	1882.5	6	0	20	3.27	-8.540	-0.0045	-2.5 to 2.5	Pass
					3.85	-29.054	-0.0154	-2.5 to 2.5	Pass
					4.43	-34.332	-0.0182	-2.5 to 2.5	Pass
				-30	3.85	-36.078	-0.0192	-2.5 to 2.5	Pass
				-20	3.85	-34.704	-0.0184	-2.5 to 2.5	Pass
				-10	3.85	-32.501	-0.0173	-2.5 to 2.5	Pass
				0	3.85	-30.742	-0.0163	-2.5 to 2.5	Pass
				10	3.85	-33.431	-0.0178	-2.5 to 2.5	Pass
				30	3.85	-32.644	-0.0173	-2.5 to 2.5	Pass
				40	3.85	-37.537	-0.0199	-2.5 to 2.5	Pass
				50	3.85	-39.153	-0.0208	-2.5 to 2.5	Pass
	1914.3	6	0	20	3.27	20.714	0.0108	-2.5 to 2.5	Pass
					3.85	0.901	0.0005	-2.5 to 2.5	Pass
					4.43	-13.318	-0.0070	-2.5 to 2.5	Pass
				-30	3.85	-13.747	-0.0072	-2.5 to 2.5	Pass
				-20	3.85	-7.639	-0.0040	-2.5 to 2.5	Pass
				-10	3.85	-6.309	-0.0033	-2.5 to 2.5	Pass
				0	3.85	-0.386	-0.0002	-2.5 to 2.5	Pass
				10	3.85	4.764	0.0025	-2.5 to 2.5	Pass
				30	3.85	0.415	0.0002	-2.5 to 2.5	Pass
				40	3.85	-9.713	-0.0051	-2.5 to 2.5	Pass
				50	3.85	3.963	0.0021	-2.5 to 2.5	Pass

2.1.2 B25_3MHz

Band: 25 / Bandwidth: 3MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1851.5	15	0	20	3.27	-40.412	-0.0218	-2.5 to 2.5	Pass
					3.85	-5.922	-0.0032	-2.5 to 2.5	Pass
					4.43	-40.627	-0.0219	-2.5 to 2.5	Pass
				-30	3.85	0.429	0.0002	-2.5 to 2.5	Pass
				-20	3.85	-1.316	-0.0007	-2.5 to 2.5	Pass
				-10	3.85	-39.654	-0.0214	-2.5 to 2.5	Pass
				0	3.85	-12.975	-0.0070	-2.5 to 2.5	Pass
				10	3.85	-6.137	-0.0033	-2.5 to 2.5	Pass
				30	3.85	-32.144	-0.0174	-2.5 to 2.5	Pass
				40	3.85	-25.492	-0.0138	-2.5 to 2.5	Pass
	1882.5	15	0	20	3.85	-10.371	-0.0056	-2.5 to 2.5	Pass
					3.27	-2.904	-0.0015	-2.5 to 2.5	Pass
					3.85	-4.563	-0.0024	-2.5 to 2.5	Pass
					4.43	-25.020	-0.0133	-2.5 to 2.5	Pass
				-30	3.85	2.933	0.0016	-2.5 to 2.5	Pass
				-20	3.85	-27.108	-0.0144	-2.5 to 2.5	Pass
				-10	3.85	-18.754	-0.0100	-2.5 to 2.5	Pass
				0	3.85	-24.419	-0.0130	-2.5 to 2.5	Pass
				10	3.85	-12.131	-0.0064	-2.5 to 2.5	Pass
				30	3.85	-29.726	-0.0158	-2.5 to 2.5	Pass
				40	3.85	-41.599	-0.0221	-2.5 to 2.5	Pass
				50	3.85	-6.452	-0.0034	-2.5 to 2.5	Pass

	1913.5	15	0	20	3.27	-5.279	-0.0028	-2.5 to 2.5	Pass
					3.85	-32.401	-0.0169	-2.5 to 2.5	Pass
					4.43	-16.909	-0.0088	-2.5 to 2.5	Pass
				-30	3.85	-41.857	-0.0219	-2.5 to 2.5	Pass
				-20	3.85	27.909	0.0146	-2.5 to 2.5	Pass
				-10	3.85	1.860	0.0010	-2.5 to 2.5	Pass
				0	3.85	-16.923	-0.0088	-2.5 to 2.5	Pass
				10	3.85	0.029	0.0000	-2.5 to 2.5	Pass
				30	3.85	-16.079	-0.0084	-2.5 to 2.5	Pass
				40	3.85	-7.625	-0.0040	-2.5 to 2.5	Pass
16QAM	1851.5	15	0	20	3.27	-45.605	-0.0246	-2.5 to 2.5	Pass
					3.85	-11.745	-0.0063	-2.5 to 2.5	Pass
					4.43	9.141	0.0049	-2.5 to 2.5	Pass
				-30	3.85	-25.163	-0.0136	-2.5 to 2.5	Pass
				-20	3.85	4.063	0.0022	-2.5 to 2.5	Pass
				-10	3.85	13.175	0.0071	-2.5 to 2.5	Pass
				0	3.85	3.576	0.0019	-2.5 to 2.5	Pass
				10	3.85	-5.465	-0.0030	-2.5 to 2.5	Pass
				30	3.85	-16.708	-0.0090	-2.5 to 2.5	Pass
				40	3.85	-36.078	-0.0195	-2.5 to 2.5	Pass
	1882.5	15	0	20	3.27	-22.516	-0.0120	-2.5 to 2.5	Pass
					3.85	-46.363	-0.0246	-2.5 to 2.5	Pass
					4.43	-14.906	-0.0079	-2.5 to 2.5	Pass
				-30	3.85	-23.360	-0.0124	-2.5 to 2.5	Pass
				-20	3.85	-35.205	-0.0187	-2.5 to 2.5	Pass
				-10	3.85	-41.842	-0.0222	-2.5 to 2.5	Pass
				0	3.85	-47.135	-0.0250	-2.5 to 2.5	Pass
				10	3.85	-14.420	-0.0077	-2.5 to 2.5	Pass
				30	3.85	-21.873	-0.0116	-2.5 to 2.5	Pass
				40	3.85	-29.783	-0.0158	-2.5 to 2.5	Pass
	1913.5	15	0	20	3.27	-10.757	-0.0056	-2.5 to 2.5	Pass
					3.85	-30.727	-0.0161	-2.5 to 2.5	Pass
					4.43	-38.195	-0.0200	-2.5 to 2.5	Pass
				-30	3.85	15.550	0.0081	-2.5 to 2.5	Pass
				-20	3.85	15.264	0.0080	-2.5 to 2.5	Pass
				-10	3.85	11.630	0.0061	-2.5 to 2.5	Pass
				0	3.85	11.230	0.0059	-2.5 to 2.5	Pass
				10	3.85	9.098	0.0048	-2.5 to 2.5	Pass
				30	3.85	-8.025	-0.0042	-2.5 to 2.5	Pass
				40	3.85	-14.448	-0.0076	-2.5 to 2.5	Pass
				50	3.85	-11.659	-0.0061	-2.5 to 2.5	Pass

2.1.3 B25_5MHz

Band: 25 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1852.5	25	0	20	3.27	-23.375	-0.0126	-2.5 to 2.5	Pass
					3.85	-31.371	-0.0169	-2.5 to 2.5	Pass
					4.43	3.834	0.0021	-2.5 to 2.5	Pass
				-30	3.85	5.107	0.0028	-2.5 to 2.5	Pass
				-20	3.85	-8.984	-0.0048	-2.5 to 2.5	Pass
				-10	3.85	-21.772	-0.0118	-2.5 to 2.5	Pass
				0	3.85	-44.017	-0.0238	-2.5 to 2.5	Pass
				10	3.85	-10.257	-0.0055	-2.5 to 2.5	Pass

16QAM	1882.5	25	0	30	3.85	-19.755	-0.0107	-2.5 to 2.5	Pass
				40	3.85	-31.428	-0.0170	-2.5 to 2.5	Pass
				50	3.85	-2.661	-0.0014	-2.5 to 2.5	Pass
				20	3.27	33.345	0.0177	-2.5 to 2.5	Pass
					3.85	26.135	0.0139	-2.5 to 2.5	Pass
					4.43	14.634	0.0078	-2.5 to 2.5	Pass
				-30	3.85	23.847	0.0127	-2.5 to 2.5	Pass
				-20	3.85	14.491	0.0077	-2.5 to 2.5	Pass
				-10	3.85	9.413	0.0050	-2.5 to 2.5	Pass
				0	3.85	31.614	0.0168	-2.5 to 2.5	Pass
				10	3.85	27.351	0.0145	-2.5 to 2.5	Pass
				30	3.85	10.657	0.0057	-2.5 to 2.5	Pass
				40	3.85	29.211	0.0155	-2.5 to 2.5	Pass
				50	3.85	13.862	0.0074	-2.5 to 2.5	Pass
	1912.5	25	0	20	3.27	14.877	0.0078	-2.5 to 2.5	Pass
					3.85	11.702	0.0061	-2.5 to 2.5	Pass
					4.43	-43.674	-0.0228	-2.5 to 2.5	Pass
				-30	3.85	-41.542	-0.0217	-2.5 to 2.5	Pass
				-20	3.85	-19.827	-0.0104	-2.5 to 2.5	Pass
				-10	3.85	-4.735	-0.0025	-2.5 to 2.5	Pass
				0	3.85	13.461	0.0070	-2.5 to 2.5	Pass
				10	3.85	8.383	0.0044	-2.5 to 2.5	Pass
				30	3.85	16.279	0.0085	-2.5 to 2.5	Pass
				40	3.85	28.710	0.0150	-2.5 to 2.5	Pass
				50	3.85	-8.526	-0.0045	-2.5 to 2.5	Pass
	1852.5	25	0	20	3.27	-34.304	-0.0185	-2.5 to 2.5	Pass
					3.85	-45.547	-0.0246	-2.5 to 2.5	Pass
					4.43	-43.659	-0.0236	-2.5 to 2.5	Pass
				-30	3.85	-31.199	-0.0168	-2.5 to 2.5	Pass
				-20	3.85	-29.411	-0.0159	-2.5 to 2.5	Pass
				-10	3.85	-24.934	-0.0135	-2.5 to 2.5	Pass
				0	3.85	-35.462	-0.0191	-2.5 to 2.5	Pass
				10	3.85	-33.474	-0.0181	-2.5 to 2.5	Pass
				30	3.85	35.992	0.0194	-2.5 to 2.5	Pass
				40	3.85	21.944	0.0118	-2.5 to 2.5	Pass
				50	3.85	31.357	0.0169	-2.5 to 2.5	Pass
	1882.5	25	0	20	3.27	25.578	0.0136	-2.5 to 2.5	Pass
					3.85	-1.202	-0.0006	-2.5 to 2.5	Pass
					4.43	36.736	0.0195	-2.5 to 2.5	Pass
				-30	3.85	-15.664	-0.0083	-2.5 to 2.5	Pass
				-20	3.85	32.916	0.0175	-2.5 to 2.5	Pass
				-10	3.85	38.323	0.0204	-2.5 to 2.5	Pass
				0	3.85	16.565	0.0088	-2.5 to 2.5	Pass
				10	3.85	28.825	0.0153	-2.5 to 2.5	Pass
				30	3.85	12.102	0.0064	-2.5 to 2.5	Pass
				40	3.85	52.485	0.0279	-2.5 to 2.5	Pass
				50	3.85	37.050	0.0197	-2.5 to 2.5	Pass
	1912.5	25	0	20	3.27	1.259	0.0007	-2.5 to 2.5	Pass
					3.85	7.582	0.0040	-2.5 to 2.5	Pass
					4.43	11.544	0.0060	-2.5 to 2.5	Pass
				-30	3.85	29.626	0.0155	-2.5 to 2.5	Pass
				-20	3.85	12.503	0.0065	-2.5 to 2.5	Pass
				-10	3.85	0.000	0.0000	-2.5 to 2.5	Pass
				0	3.85	24.834	0.0130	-2.5 to 2.5	Pass
				10	3.85	27.123	0.0142	-2.5 to 2.5	Pass
				30	3.85	27.552	0.0144	-2.5 to 2.5	Pass
				40	3.85	-0.887	-0.0005	-2.5 to 2.5	Pass
				50	3.85	20.556	0.0107	-2.5 to 2.5	Pass

2.1.4 B25_10MHz

Band: 25 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1855	50	0	20	3.27	17.037	0.0092	-2.5 to 2.5	Pass
					3.85	44.031	0.0237	-2.5 to 2.5	Pass
					4.43	-9.627	-0.0052	-2.5 to 2.5	Pass
				-30	3.85	-16.065	-0.0087	-2.5 to 2.5	Pass
				-20	3.85	34.404	0.0185	-2.5 to 2.5	Pass
				-10	3.85	-7.510	-0.0040	-2.5 to 2.5	Pass
				0	3.85	23.632	0.0127	-2.5 to 2.5	Pass
				10	3.85	27.866	0.0150	-2.5 to 2.5	Pass
				30	3.85	32.287	0.0174	-2.5 to 2.5	Pass
				40	3.85	-8.841	-0.0048	-2.5 to 2.5	Pass
				50	3.85	36.664	0.0198	-2.5 to 2.5	Pass
	1882.5	50	0	20	3.27	-11.616	-0.0062	-2.5 to 2.5	Pass
					3.85	-15.578	-0.0083	-2.5 to 2.5	Pass
					4.43	5.479	0.0029	-2.5 to 2.5	Pass
				-30	3.85	-29.297	-0.0156	-2.5 to 2.5	Pass
				-20	3.85	-48.938	-0.0260	-2.5 to 2.5	Pass
				-10	3.85	-31.428	-0.0167	-2.5 to 2.5	Pass
				0	3.85	26.665	0.0142	-2.5 to 2.5	Pass
				10	3.85	29.497	0.0157	-2.5 to 2.5	Pass
				30	3.85	28.939	0.0154	-2.5 to 2.5	Pass
				40	3.85	20.199	0.0107	-2.5 to 2.5	Pass
				50	3.85	29.769	0.0158	-2.5 to 2.5	Pass
	1910	50	0	20	3.27	33.360	0.0175	-2.5 to 2.5	Pass
					3.85	24.319	0.0127	-2.5 to 2.5	Pass
					4.43	-9.084	-0.0048	-2.5 to 2.5	Pass
				-30	3.85	-1.659	-0.0009	-2.5 to 2.5	Pass
				-20	3.85	8.383	0.0044	-2.5 to 2.5	Pass
				-10	3.85	-25.206	-0.0132	-2.5 to 2.5	Pass
				0	3.85	-43.144	-0.0226	-2.5 to 2.5	Pass
				10	3.85	-13.318	-0.0070	-2.5 to 2.5	Pass
				30	3.85	12.932	0.0068	-2.5 to 2.5	Pass
				40	3.85	22.688	0.0119	-2.5 to 2.5	Pass
16QAM	1855	50	0	20	3.27	49.167	0.0265	-2.5 to 2.5	Pass
					3.85	-26.650	-0.0144	-2.5 to 2.5	Pass
					4.43	-33.274	-0.0179	-2.5 to 2.5	Pass
				-30	3.85	-18.182	-0.0098	-2.5 to 2.5	Pass
				-20	3.85	-26.207	-0.0141	-2.5 to 2.5	Pass
				-10	3.85	-18.969	-0.0102	-2.5 to 2.5	Pass
				0	3.85	-8.039	-0.0043	-2.5 to 2.5	Pass
				10	3.85	-39.196	-0.0211	-2.5 to 2.5	Pass
				30	3.85	-47.421	-0.0256	-2.5 to 2.5	Pass
				40	3.85	-34.003	-0.0183	-2.5 to 2.5	Pass
				50	3.85	-36.964	-0.0199	-2.5 to 2.5	Pass
	1882.5	50	0	20	3.27	39.067	0.0208	-2.5 to 2.5	Pass
					3.85	22.545	0.0120	-2.5 to 2.5	Pass
					4.43	23.246	0.0123	-2.5 to 2.5	Pass
				-30	3.85	1.016	0.0005	-2.5 to 2.5	Pass
				-20	3.85	-7.496	-0.0040	-2.5 to 2.5	Pass
				-10	3.85	0.129	0.0001	-2.5 to 2.5	Pass
				0	3.85	31.114	0.0165	-2.5 to 2.5	Pass
				10	3.85	38.481	0.0204	-2.5 to 2.5	Pass
				30	3.85	27.995	0.0149	-2.5 to 2.5	Pass
				40	3.85	27.366	0.0145	-2.5 to 2.5	Pass

	1910	50	0	50	3.85	38.395	0.0204	-2.5 to 2.5	Pass
				20	3.27	25.048	0.0131	-2.5 to 2.5	Pass
					3.85	40.970	0.0215	-2.5 to 2.5	Pass
					4.43	20.242	0.0106	-2.5 to 2.5	Pass
				-30	3.85	31.557	0.0165	-2.5 to 2.5	Pass
				-20	3.85	19.670	0.0103	-2.5 to 2.5	Pass
				-10	3.85	30.885	0.0162	-2.5 to 2.5	Pass
				0	3.85	9.899	0.0052	-2.5 to 2.5	Pass
				10	3.85	21.801	0.0114	-2.5 to 2.5	Pass
				30	3.85	-1.659	-0.0009	-2.5 to 2.5	Pass
				40	3.85	30.327	0.0159	-2.5 to 2.5	Pass
				50	3.85	0.443	0.0002	-2.5 to 2.5	Pass

2.1.5 B25_15MHz

Band: 25 / Bandwidth: 15MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1857.5	75	0	20	3.27	-17.796	-0.0096	-2.5 to 2.5	Pass
					3.85	-21.758	-0.0117	-2.5 to 2.5	Pass
					4.43	-19.455	-0.0105	-2.5 to 2.5	Pass
				-30	3.85	-42.644	-0.0230	-2.5 to 2.5	Pass
				-20	3.85	-21.443	-0.0115	-2.5 to 2.5	Pass
				-10	3.85	-3.719	-0.0020	-2.5 to 2.5	Pass
				0	3.85	-33.460	-0.0180	-2.5 to 2.5	Pass
				10	3.85	26.579	0.0143	-2.5 to 2.5	Pass
				30	3.85	25.334	0.0136	-2.5 to 2.5	Pass
				40	3.85	21.186	0.0114	-2.5 to 2.5	Pass
				50	3.85	25.706	0.0138	-2.5 to 2.5	Pass
	1882.5	75	0	20	3.27	38.180	0.0203	-2.5 to 2.5	Pass
					3.85	34.289	0.0182	-2.5 to 2.5	Pass
					4.43	38.638	0.0205	-2.5 to 2.5	Pass
				-30	3.85	0.429	0.0002	-2.5 to 2.5	Pass
				-20	3.85	19.398	0.0103	-2.5 to 2.5	Pass
				-10	3.85	38.652	0.0205	-2.5 to 2.5	Pass
				0	3.85	48.265	0.0256	-2.5 to 2.5	Pass
				10	3.85	27.738	0.0147	-2.5 to 2.5	Pass
				30	3.85	40.083	0.0213	-2.5 to 2.5	Pass
				40	3.85	9.427	0.0050	-2.5 to 2.5	Pass
				50	3.85	21.772	0.0116	-2.5 to 2.5	Pass
	1907.5	75	0	20	3.27	33.689	0.0177	-2.5 to 2.5	Pass
					3.85	53.644	0.0281	-2.5 to 2.5	Pass
					4.43	-6.108	-0.0032	-2.5 to 2.5	Pass
				-30	3.85	-7.238	-0.0038	-2.5 to 2.5	Pass
				-20	3.85	-29.812	-0.0156	-2.5 to 2.5	Pass
				-10	3.85	-20.614	-0.0108	-2.5 to 2.5	Pass
				0	3.85	-12.560	-0.0066	-2.5 to 2.5	Pass
				10	3.85	-4.792	-0.0025	-2.5 to 2.5	Pass
				30	3.85	-6.680	-0.0035	-2.5 to 2.5	Pass
				40	3.85	-6.509	-0.0034	-2.5 to 2.5	Pass
				50	3.85	-6.309	-0.0033	-2.5 to 2.5	Pass
16QAM	1857.5	75	0	20	3.27	43.974	0.0237	-2.5 to 2.5	Pass
					3.85	5.507	0.0030	-2.5 to 2.5	Pass
					4.43	33.731	0.0182	-2.5 to 2.5	Pass
				-30	3.85	5.107	0.0027	-2.5 to 2.5	Pass
				-20	3.85	2.460	0.0013	-2.5 to 2.5	Pass
				-10	3.85	34.947	0.0188	-2.5 to 2.5	Pass
				0	3.85	31.772	0.0171	-2.5 to 2.5	Pass

				10	3.85	21.601	0.0116	-2.5 to 2.5	Pass
				30	3.85	36.364	0.0196	-2.5 to 2.5	Pass
				40	3.85	-2.990	-0.0016	-2.5 to 2.5	Pass
				50	3.85	-5.450	-0.0029	-2.5 to 2.5	Pass
	1882.5	75	0	20	3.27	38.939	0.0207	-2.5 to 2.5	Pass
					3.85	1.173	0.0006	-2.5 to 2.5	Pass
					4.43	-5.779	-0.0031	-2.5 to 2.5	Pass
				-30	3.85	15.192	0.0081	-2.5 to 2.5	Pass
				-20	3.85	3.233	0.0017	-2.5 to 2.5	Pass
				-10	3.85	18.096	0.0096	-2.5 to 2.5	Pass
				0	3.85	11.673	0.0062	-2.5 to 2.5	Pass
				10	3.85	14.248	0.0076	-2.5 to 2.5	Pass
				30	3.85	37.551	0.0199	-2.5 to 2.5	Pass
				40	3.85	25.520	0.0136	-2.5 to 2.5	Pass
				50	3.85	10.657	0.0057	-2.5 to 2.5	Pass
	1907.5	75	0	20	3.27	-4.063	-0.0021	-2.5 to 2.5	Pass
					3.85	-10.057	-0.0053	-2.5 to 2.5	Pass
					4.43	13.475	0.0071	-2.5 to 2.5	Pass
				-30	3.85	9.127	0.0048	-2.5 to 2.5	Pass
				-20	3.85	37.022	0.0194	-2.5 to 2.5	Pass
				-10	3.85	9.170	0.0048	-2.5 to 2.5	Pass
				0	3.85	-31.471	-0.0165	-2.5 to 2.5	Pass
				10	3.85	-8.669	-0.0045	-2.5 to 2.5	Pass
				30	3.85	34.704	0.0182	-2.5 to 2.5	Pass
				40	3.85	37.293	0.0196	-2.5 to 2.5	Pass
				50	3.85	9.027	0.0047	-2.5 to 2.5	Pass

2.1.6 B25_20MHz

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	-24.319	-0.0131	-2.5 to 2.5	Pass
					3.85	-29.097	-0.0156	-2.5 to 2.5	Pass
					4.43	-23.317	-0.0125	-2.5 to 2.5	Pass
				-30	3.85	-23.561	-0.0127	-2.5 to 2.5	Pass
				-20	3.85	-25.778	-0.0139	-2.5 to 2.5	Pass
				-10	3.85	-13.533	-0.0073	-2.5 to 2.5	Pass
				0	3.85	-30.599	-0.0165	-2.5 to 2.5	Pass
				10	3.85	-36.736	-0.0198	-2.5 to 2.5	Pass
				30	3.85	-19.412	-0.0104	-2.5 to 2.5	Pass
				40	3.85	23.546	0.0127	-2.5 to 2.5	Pass
				50	3.85	28.782	0.0155	-2.5 to 2.5	Pass
	1882.5	100	0	20	3.27	31.099	0.0165	-2.5 to 2.5	Pass
					3.85	13.175	0.0070	-2.5 to 2.5	Pass
					4.43	9.313	0.0049	-2.5 to 2.5	Pass
				-30	3.85	-16.394	-0.0087	-2.5 to 2.5	Pass
				-20	3.85	-14.977	-0.0080	-2.5 to 2.5	Pass
				-10	3.85	-20.571	-0.0109	-2.5 to 2.5	Pass
				0	3.85	15.707	0.0083	-2.5 to 2.5	Pass
				10	3.85	41.928	0.0223	-2.5 to 2.5	Pass
				30	3.85	13.533	0.0072	-2.5 to 2.5	Pass
				40	3.85	28.768	0.0153	-2.5 to 2.5	Pass
				50	3.85	36.922	0.0196	-2.5 to 2.5	Pass
	1905	100	0	20	3.27	-33.703	-0.0177	-2.5 to 2.5	Pass
					3.85	-32.687	-0.0172	-2.5 to 2.5	Pass
					4.43	-26.021	-0.0137	-2.5 to 2.5	Pass
				-30	3.85	-31.428	-0.0165	-2.5 to 2.5	Pass

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<http://www.btf-lab.com>

Version: 1/00

16QAM	1860	100	0	-20	3.85	-21.071	-0.0111	-2.5 to 2.5	Pass
				-10	3.85	-23.975	-0.0126	-2.5 to 2.5	Pass
				0	3.85	-22.745	-0.0119	-2.5 to 2.5	Pass
				10	3.85	-25.334	-0.0133	-2.5 to 2.5	Pass
				30	3.85	-11.387	-0.0060	-2.5 to 2.5	Pass
				40	3.85	26.550	0.0139	-2.5 to 2.5	Pass
				50	3.85	23.274	0.0122	-2.5 to 2.5	Pass
	1882.5	100	0	20	3.27	24.934	0.0134	-2.5 to 2.5	Pass
					3.85	30.942	0.0166	-2.5 to 2.5	Pass
					4.43	12.860	0.0069	-2.5 to 2.5	Pass
				-30	3.85	21.529	0.0116	-2.5 to 2.5	Pass
				-20	3.85	-5.136	-0.0028	-2.5 to 2.5	Pass
				-10	3.85	24.862	0.0134	-2.5 to 2.5	Pass
				0	3.85	29.368	0.0158	-2.5 to 2.5	Pass
				10	3.85	18.425	0.0099	-2.5 to 2.5	Pass
				30	3.85	8.998	0.0048	-2.5 to 2.5	Pass
				40	3.85	12.016	0.0065	-2.5 to 2.5	Pass
				50	3.85	28.610	0.0154	-2.5 to 2.5	Pass
				20	3.27	33.259	0.0177	-2.5 to 2.5	Pass
					3.85	38.624	0.0205	-2.5 to 2.5	Pass
					4.43	33.059	0.0176	-2.5 to 2.5	Pass
	1905	100	0	-30	3.85	41.070	0.0218	-2.5 to 2.5	Pass
				-20	3.85	5.422	0.0029	-2.5 to 2.5	Pass
				-10	3.85	-4.320	-0.0023	-2.5 to 2.5	Pass
				0	3.85	3.920	0.0021	-2.5 to 2.5	Pass
				10	3.85	15.192	0.0081	-2.5 to 2.5	Pass
				30	3.85	20.456	0.0109	-2.5 to 2.5	Pass
				40	3.85	32.573	0.0173	-2.5 to 2.5	Pass
				50	3.85	27.509	0.0146	-2.5 to 2.5	Pass
				20	3.27	27.294	0.0143	-2.5 to 2.5	Pass
					3.85	26.379	0.0138	-2.5 to 2.5	Pass
					4.43	37.293	0.0196	-2.5 to 2.5	Pass
				-30	3.85	21.386	0.0112	-2.5 to 2.5	Pass
				-20	3.85	12.259	0.0064	-2.5 to 2.5	Pass
				-10	3.85	10.257	0.0054	-2.5 to 2.5	Pass
				0	3.85	17.166	0.0090	-2.5 to 2.5	Pass
				10	3.85	14.105	0.0074	-2.5 to 2.5	Pass
				30	3.85	33.131	0.0174	-2.5 to 2.5	Pass
				40	3.85	19.813	0.0104	-2.5 to 2.5	Pass
				50	3.85	13.790	0.0072	-2.5 to 2.5	Pass

3. Modulation Characteristics

3.1 Test Result

3.1.1 B25_1.4MHz

Band: 25 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1882.5	6	0	Refer To Test Graph		Pass
16QAM	1882.5	6	0	Refer To Test Graph		Pass

3.1.2 B25_3MHz

Band: 25 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1882.5	15	0	Refer To Test Graph		Pass
16QAM	1882.5	15	0	Refer To Test Graph		Pass

3.1.3 B25_5MHz

Band: 25 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1882.5	25	0	Refer To Test Graph		Pass
16QAM	1882.5	25	0	Refer To Test Graph		Pass

3.1.4 B25_10MHz

Band: 25 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1882.5	50	0	Refer To Test Graph		Pass
16QAM	1882.5	50	0	Refer To Test Graph		Pass

3.1.5 B25_15MHz

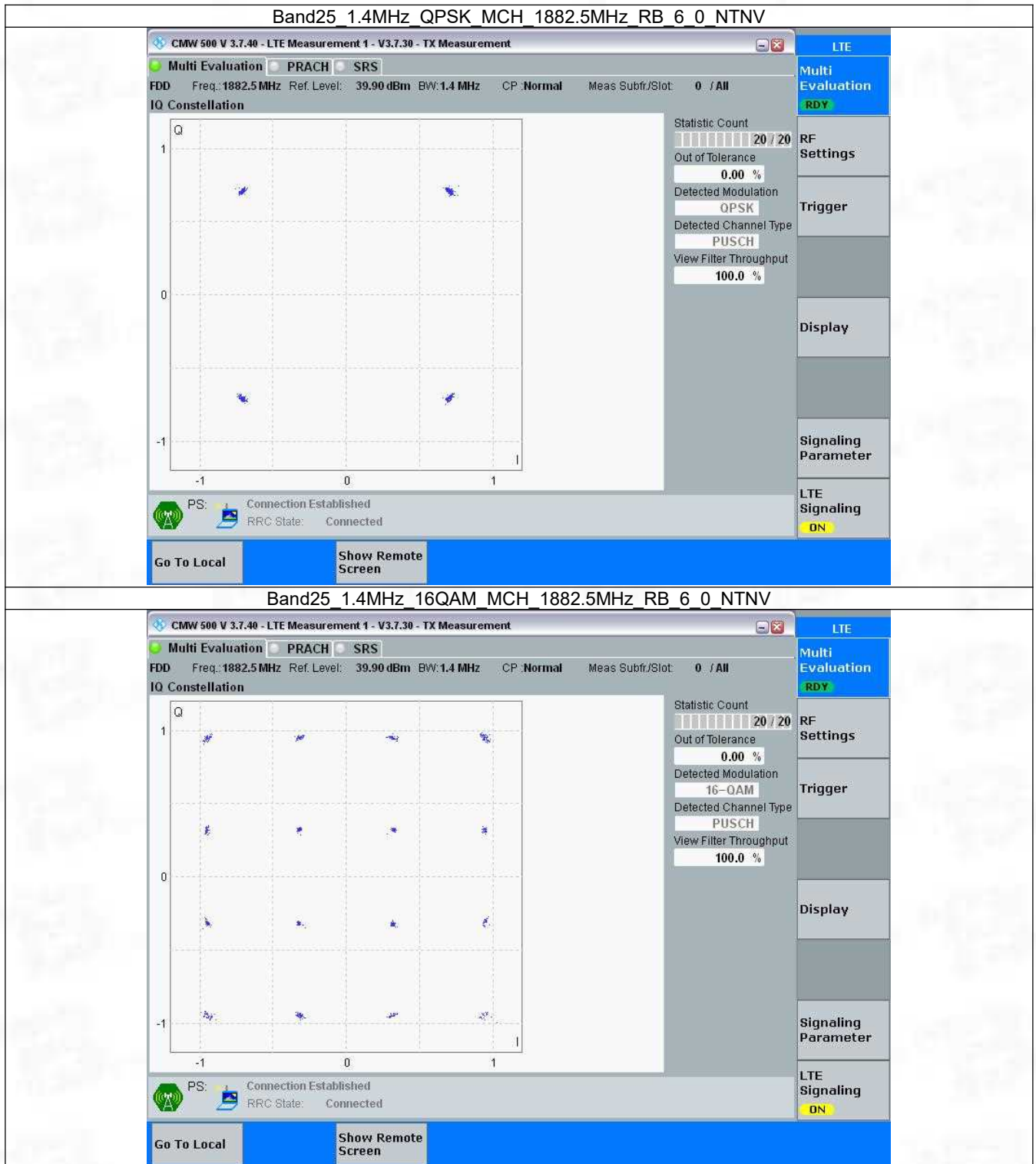
Band: 25 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1882.5	75	0	Refer To Test Graph		Pass
16QAM	1882.5	75	0	Refer To Test Graph		Pass

3.1.6 B25_20MHz

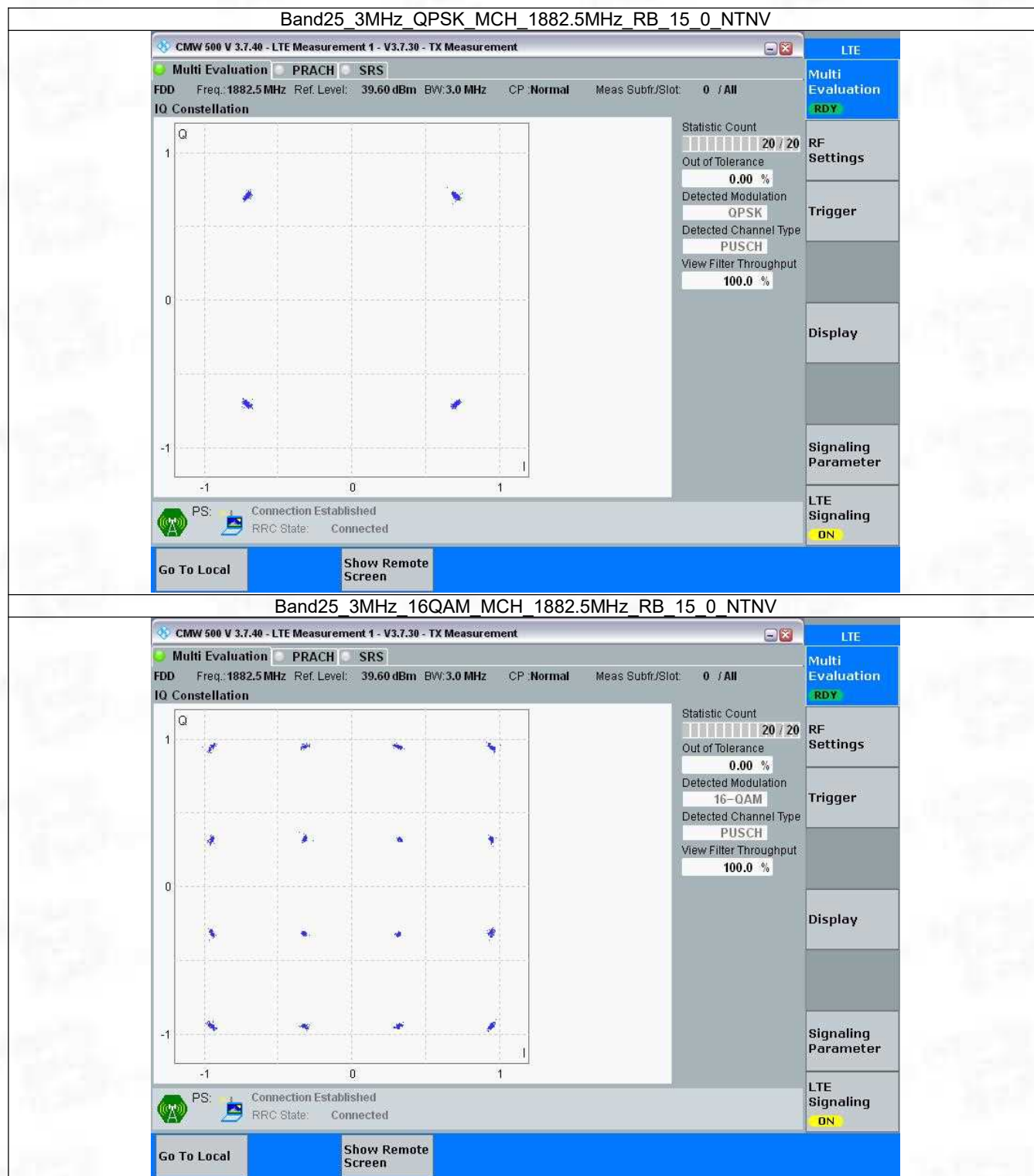
Band: 25 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1882.5	100	0	Refer To Test Graph		Pass
16QAM	1882.5	100	0	Refer To Test Graph		Pass

3.2 Test Graph

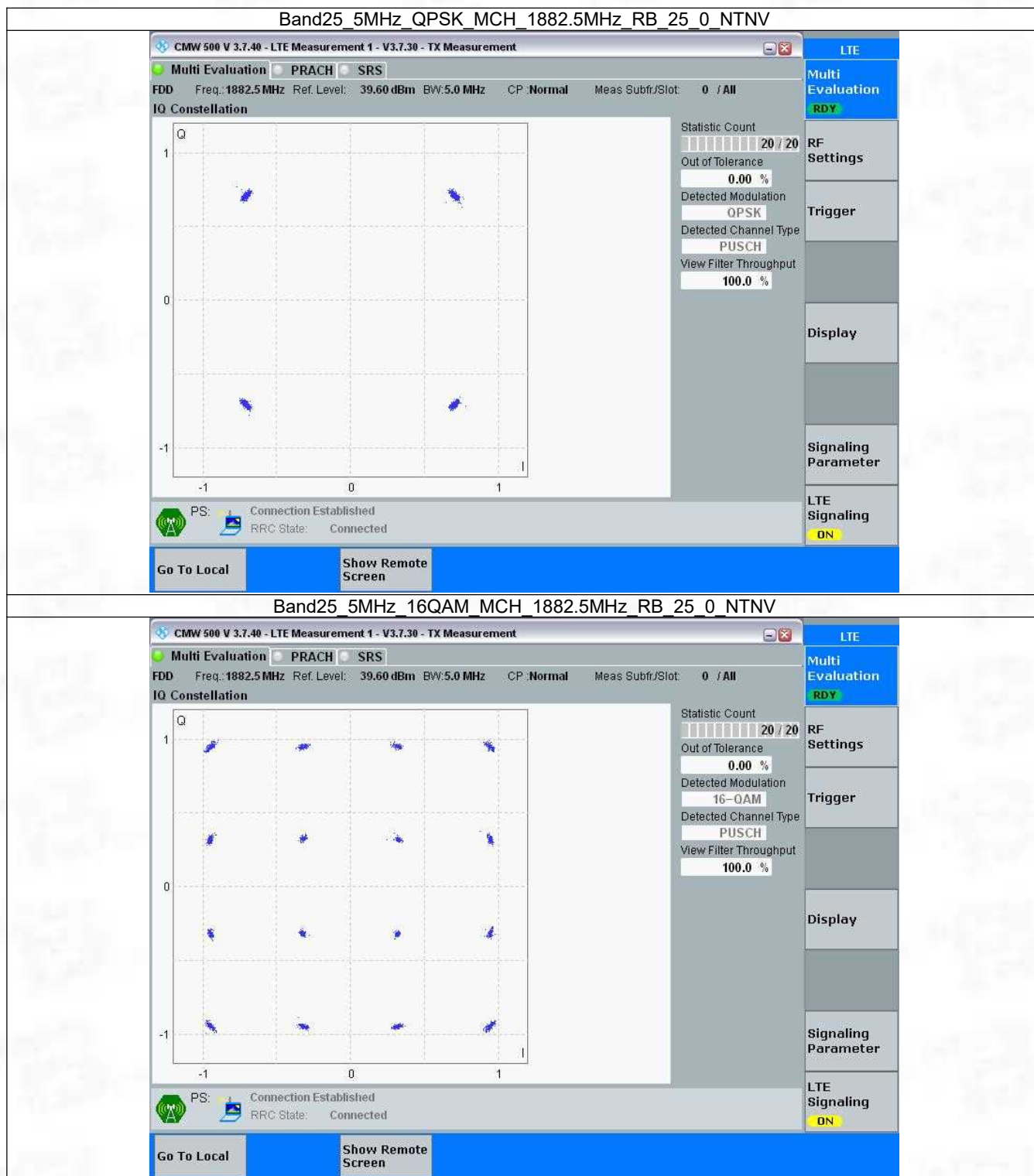
3.2.1 B25_1.4MHz



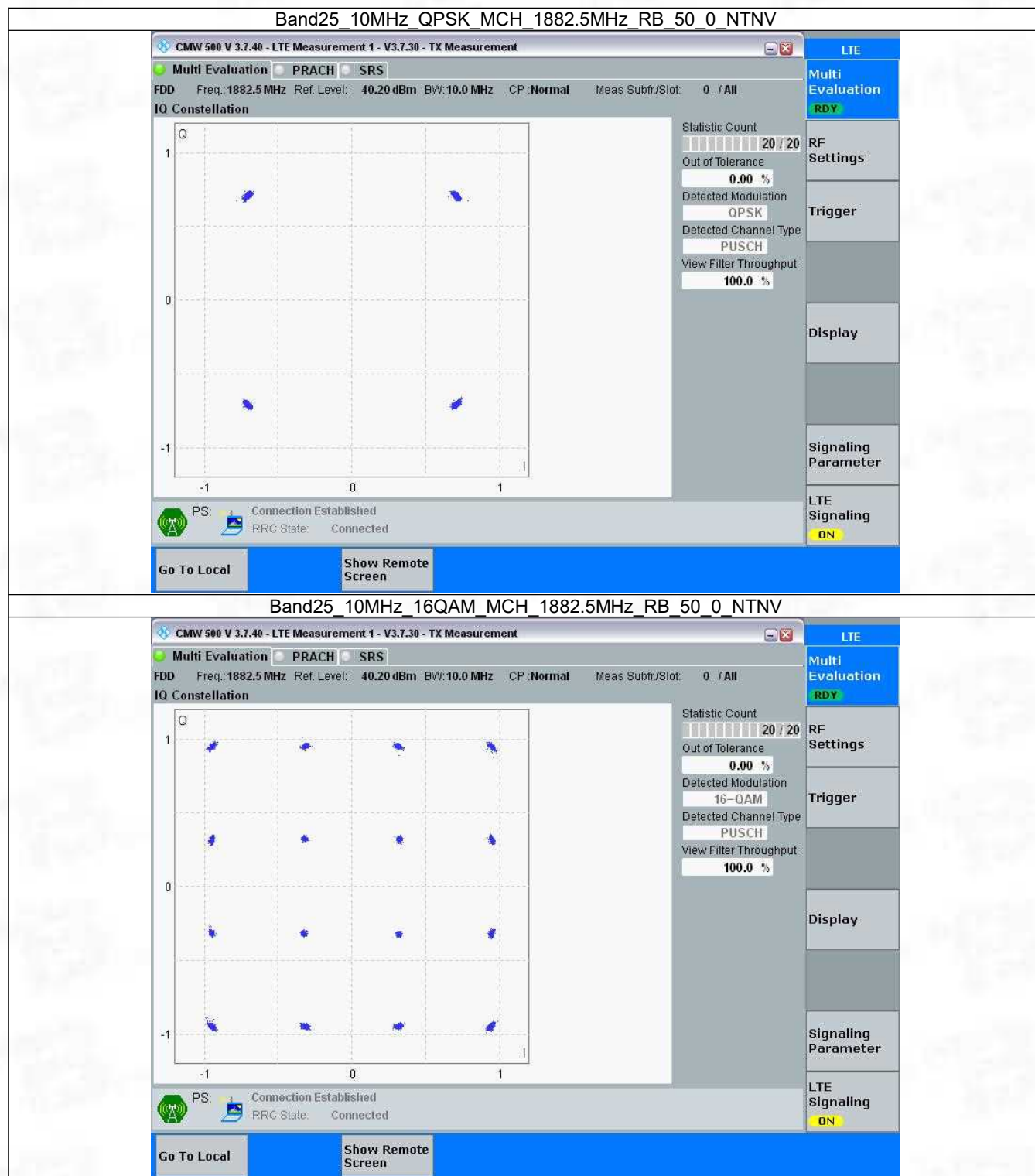
3.2.2 B25_3MHz



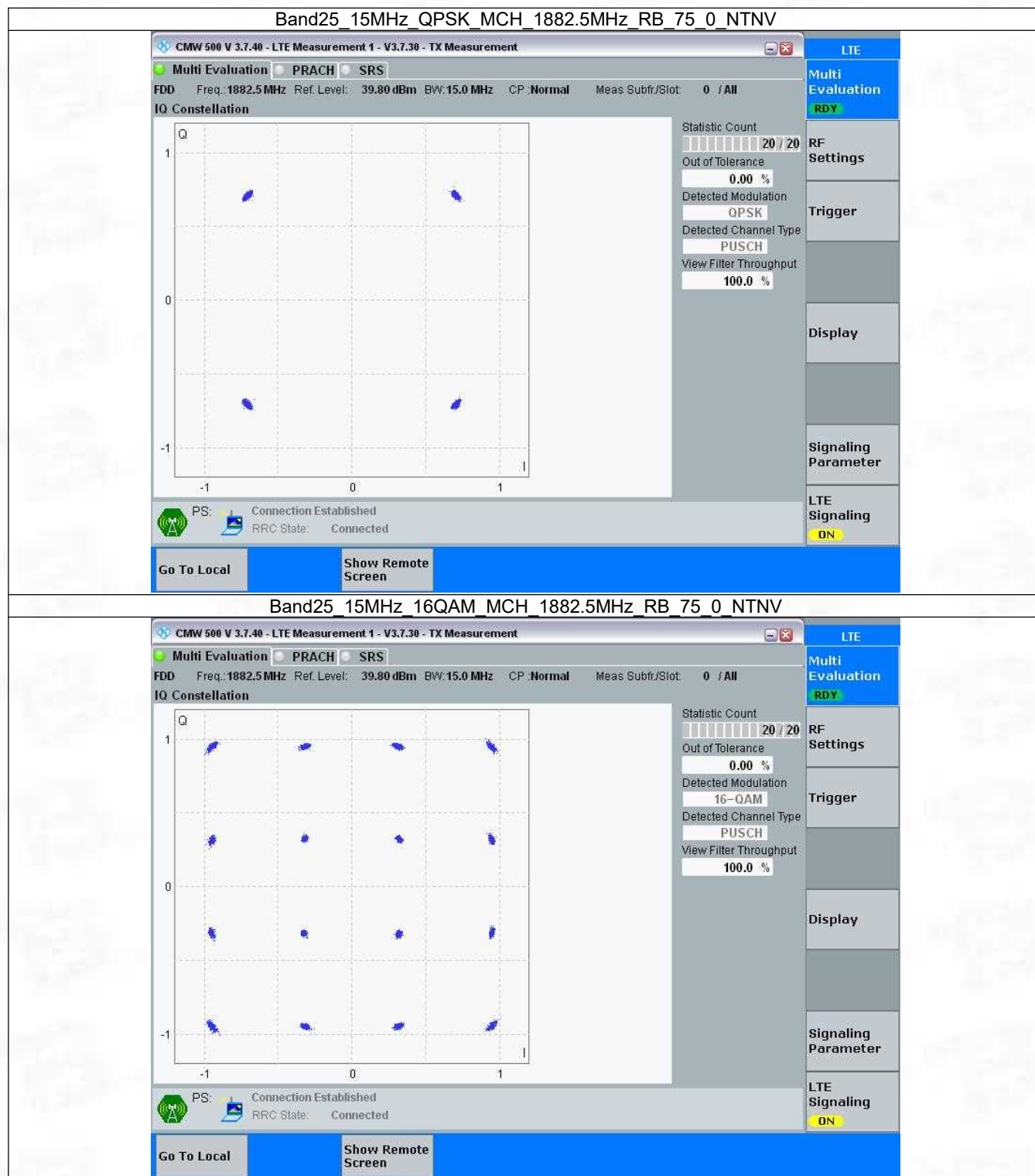
3.2.3 B25_5MHz



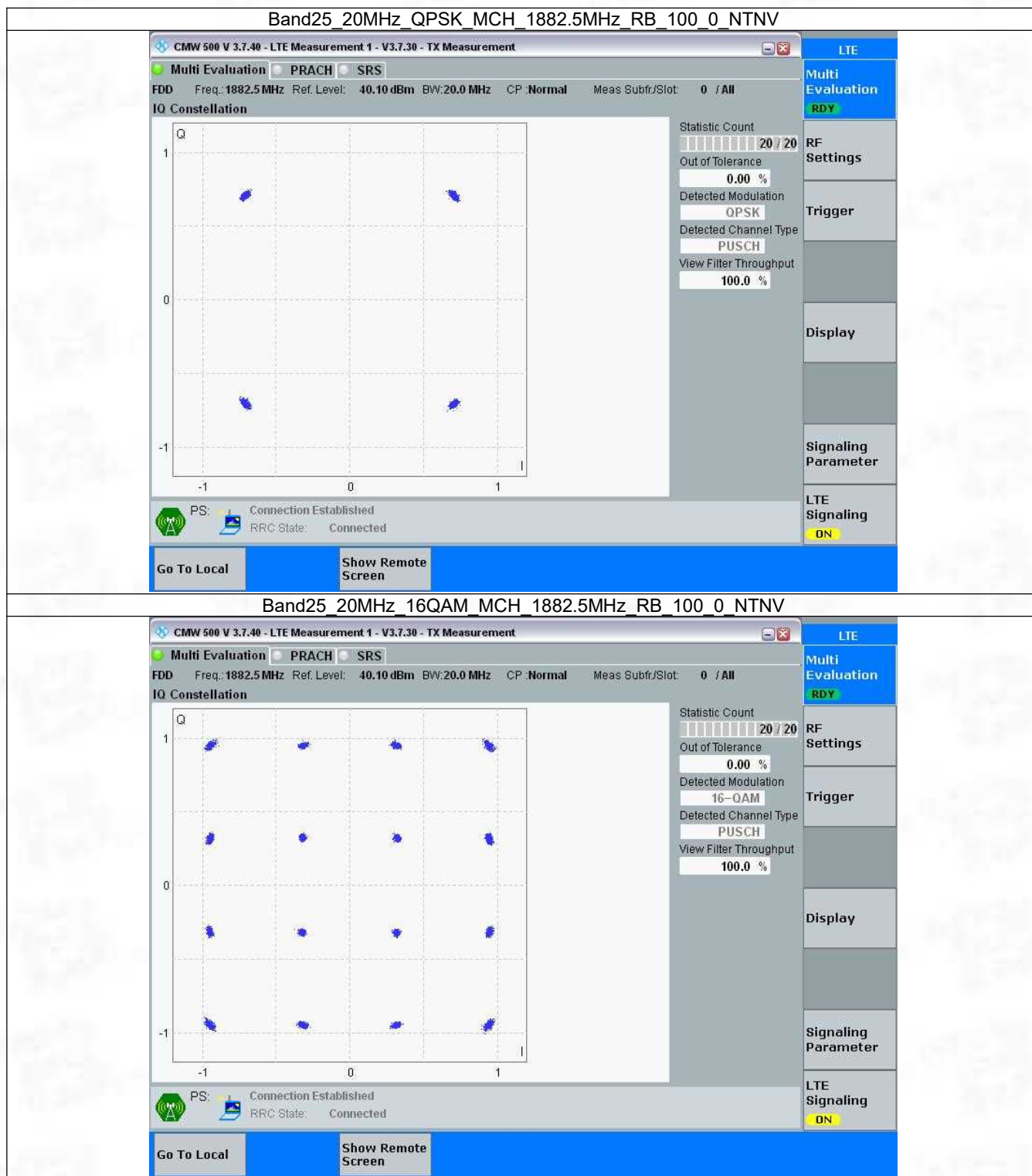
3.2.4 B25_10MHz



3.2.5 B25_15MHz



3.2.6 B25_20MHz



4. 99% & 26dB Bandwidth

4.1 Test Result

4.1.1 Band25_OBW

Band: 25 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	1850.7	6	0	1.116	/	Pass
		1882.5	6	0	1.110	/	Pass
		1914.3	6	0	1.114	/	Pass
	16QAM	1850.7	6	0	1.108	/	Pass
		1882.5	6	0	1.108	/	Pass
		1914.3	6	0	1.122	/	Pass
3	QPSK	1851.5	15	0	2.764	/	Pass
		1882.5	15	0	2.766	/	Pass
		1913.5	15	0	2.765	/	Pass
	16QAM	1851.5	15	0	2.759	/	Pass
		1882.5	15	0	2.763	/	Pass
		1913.5	15	0	2.759	/	Pass
5	QPSK	1852.5	25	0	4.553	/	Pass
		1882.5	25	0	4.540	/	Pass
		1912.5	25	0	4.546	/	Pass
	16QAM	1852.5	25	0	4.549	/	Pass
		1882.5	25	0	4.583	/	Pass
		1912.5	25	0	4.571	/	Pass
10	QPSK	1855	50	0	9.085	/	Pass
		1882.5	50	0	9.063	/	Pass
		1910	50	0	9.035	/	Pass
	16QAM	1855	50	0	9.088	/	Pass
		1882.5	50	0	9.042	/	Pass
		1910	50	0	9.061	/	Pass
15	QPSK	1857.5	75	0	13.577	/	Pass
		1882.5	75	0	13.604	/	Pass
		1907.5	75	0	13.554	/	Pass
	16QAM	1857.5	75	0	13.576	/	Pass
		1882.5	75	0	13.614	/	Pass
		1907.5	75	0	13.582	/	Pass
20	QPSK	1860	100	0	18.174	/	Pass
		1882.5	100	0	18.178	/	Pass
		1905	100	0	18.136	/	Pass
	16QAM	1860	100	0	18.145	/	Pass
		1882.5	100	0	18.133	/	Pass
		1905	100	0	18.097	/	Pass

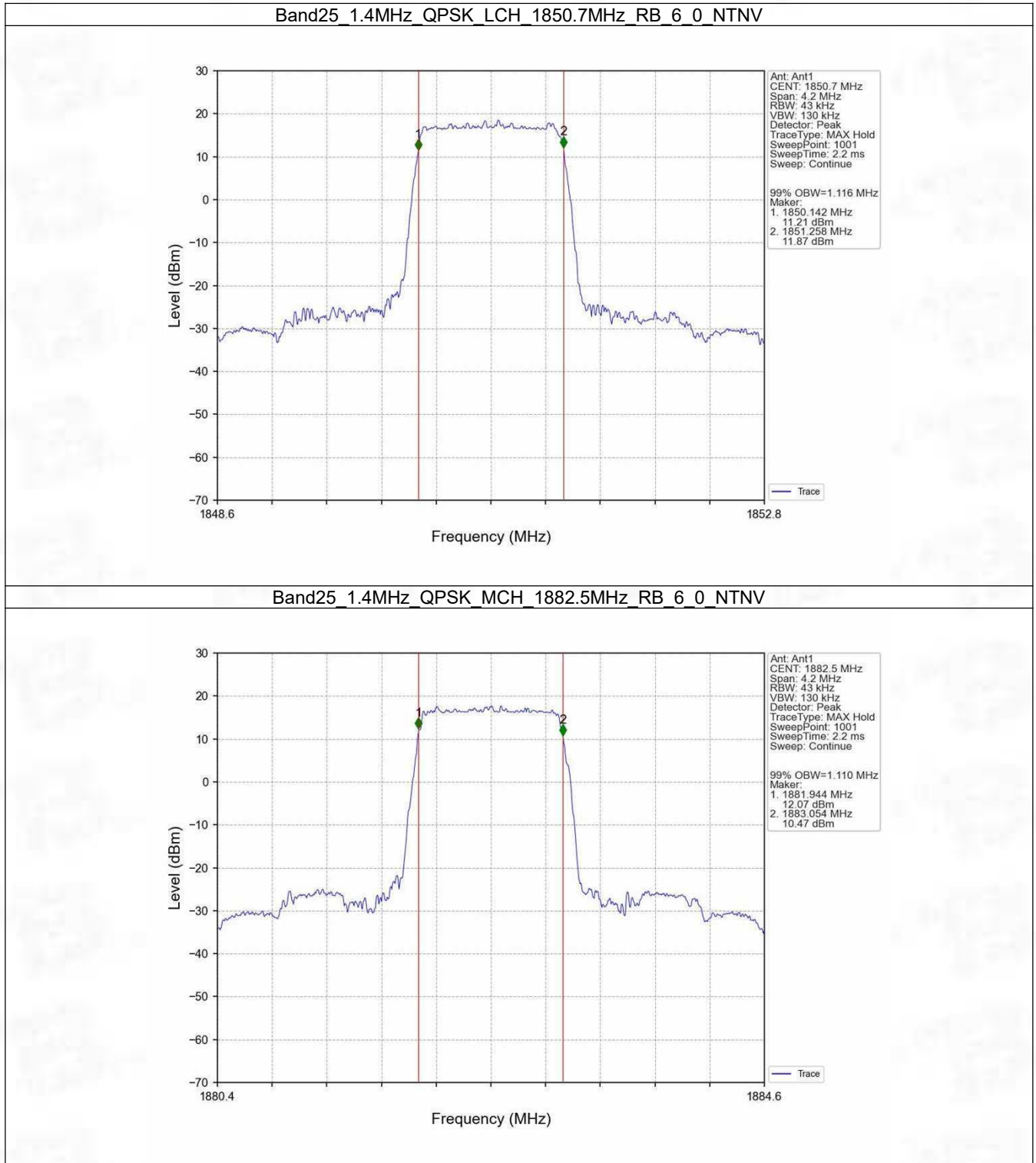
4.1.2 Band25_XDB

Band: 25 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	1850.7	6	0	1.265	/	Pass
		1882.5	6	0	1.276	/	Pass
		1914.3	6	0	1.276	/	Pass

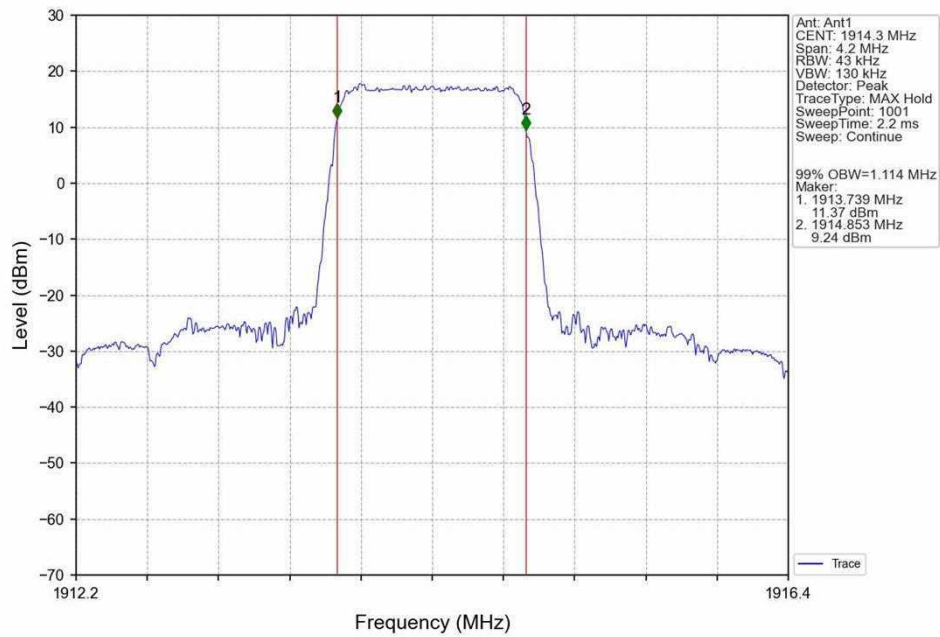
	16QAM	1850.7	6	0	1.281	/	Pass
		1882.5	6	0	1.268	/	Pass
		1914.3	6	0	1.282	/	Pass
3	QPSK	1851.5	15	0	3.094	/	Pass
		1882.5	15	0	3.117	/	Pass
		1913.5	15	0	3.101	/	Pass
	16QAM	1851.5	15	0	3.105	/	Pass
		1882.5	15	0	3.087	/	Pass
		1913.5	15	0	3.099	/	Pass
5	QPSK	1852.5	25	0	5.051	/	Pass
		1882.5	25	0	5.040	/	Pass
		1912.5	25	0	5.046	/	Pass
	16QAM	1852.5	25	0	5.058	/	Pass
		1882.5	25	0	5.086	/	Pass
		1912.5	25	0	5.062	/	Pass
10	QPSK	1855	50	0	10.036	/	Pass
		1882.5	50	0	10.037	/	Pass
		1910	50	0	10.076	/	Pass
	16QAM	1855	50	0	10.059	/	Pass
		1882.5	50	0	10.049	/	Pass
		1910	50	0	10.033	/	Pass
15	QPSK	1857.5	75	0	15.213	/	Pass
		1882.5	75	0	15.249	/	Pass
		1907.5	75	0	15.019	/	Pass
	16QAM	1857.5	75	0	15.194	/	Pass
		1882.5	75	0	15.115	/	Pass
		1907.5	75	0	15.169	/	Pass
20	QPSK	1860	100	0	20.034	/	Pass
		1882.5	100	0	19.974	/	Pass
		1905	100	0	19.902	/	Pass
	16QAM	1860	100	0	20.006	/	Pass
		1882.5	100	0	20.056	/	Pass
		1905	100	0	20.050	/	Pass

4.2 Test Graph

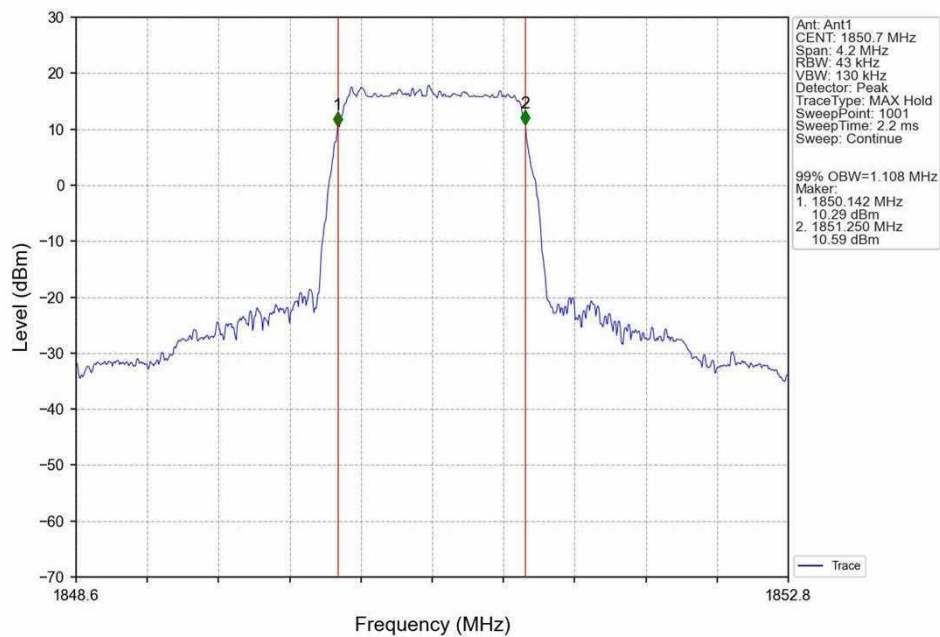
4.2.1 Band25_OBW



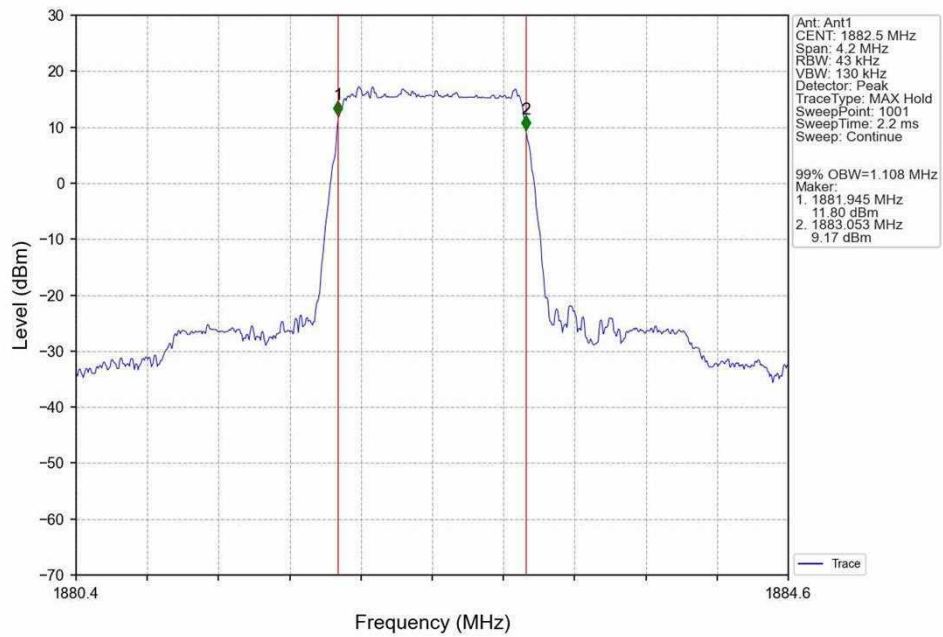
Band25_1.4MHz_QPSK_HCH_1914.3MHz_RB_6_0_NTNV



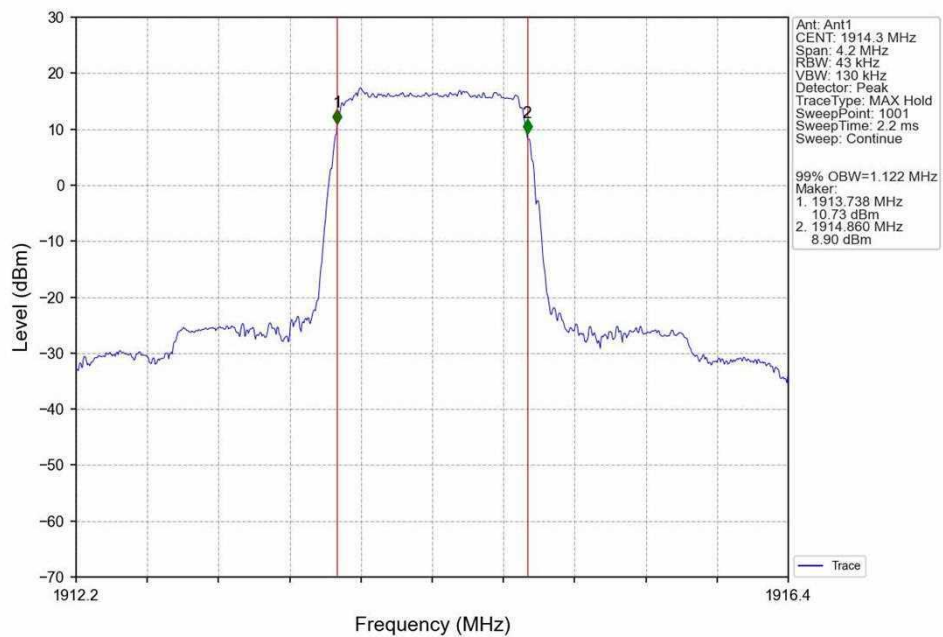
Band25_1.4MHz_16QAM_LCH_1850.7MHz_RB_6_0_NTNV



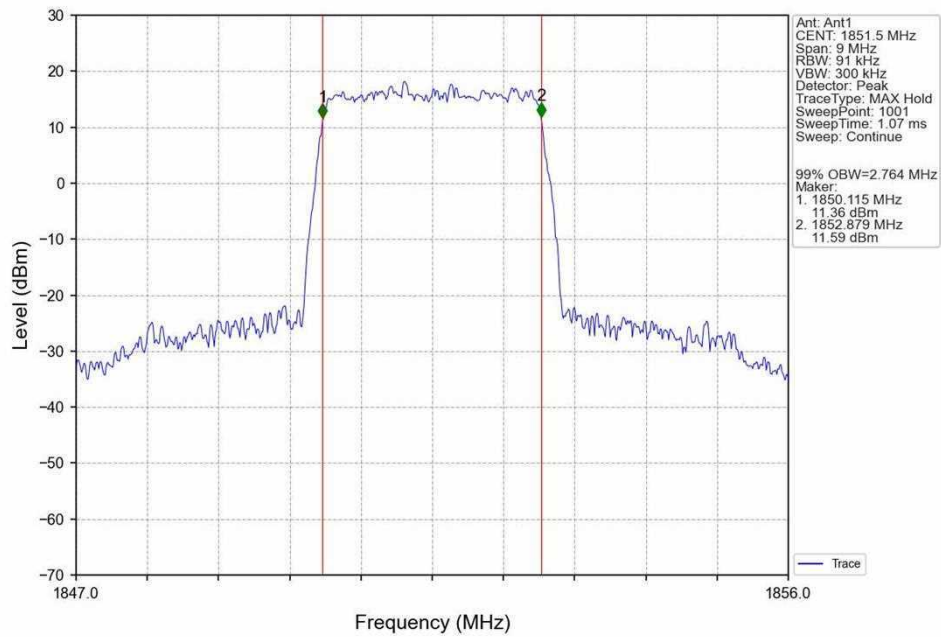
Band25_1.4MHz_16QAM_MCH_1882.5MHz_RB_6_0_NTNV



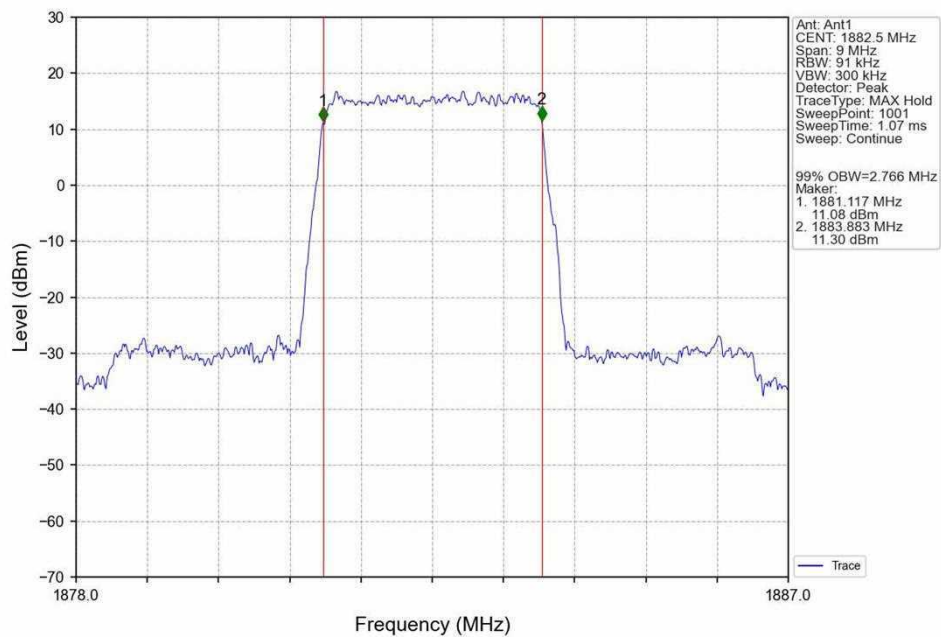
Band25_1.4MHz_16QAM_HCH_1914.3MHz_RB_6_0_NTNV



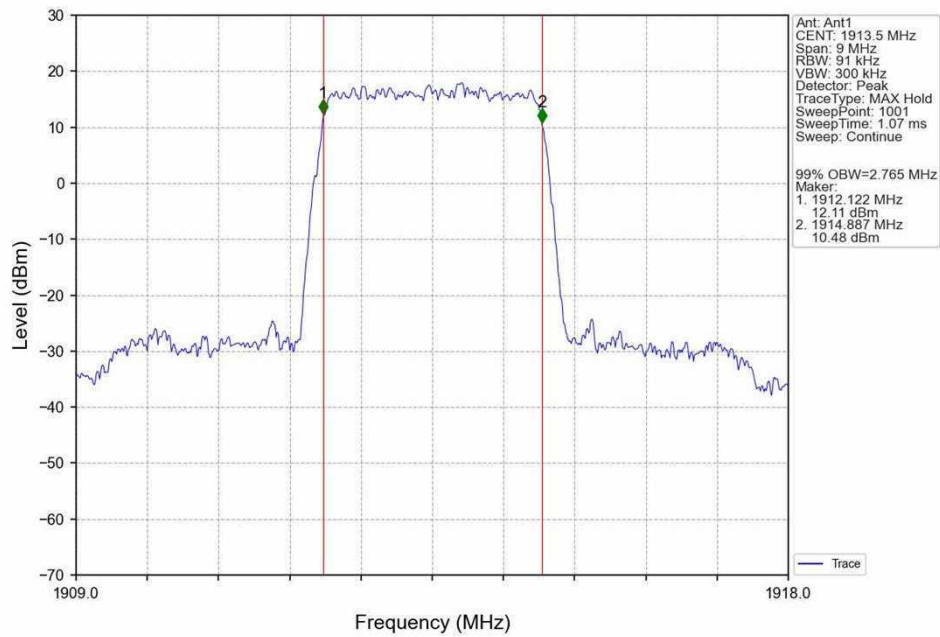
Band25_3MHz_QPSK_LCH_1851.5MHz_RB_15_0_NTNV



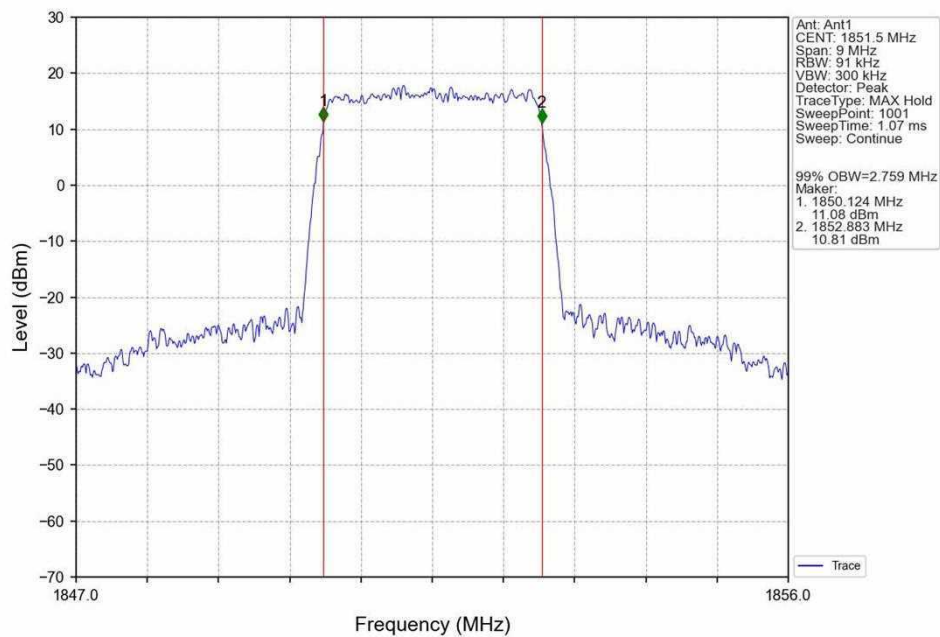
Band25_3MHz_QPSK_MCH_1882.5MHz_RB_15_0_NTNV



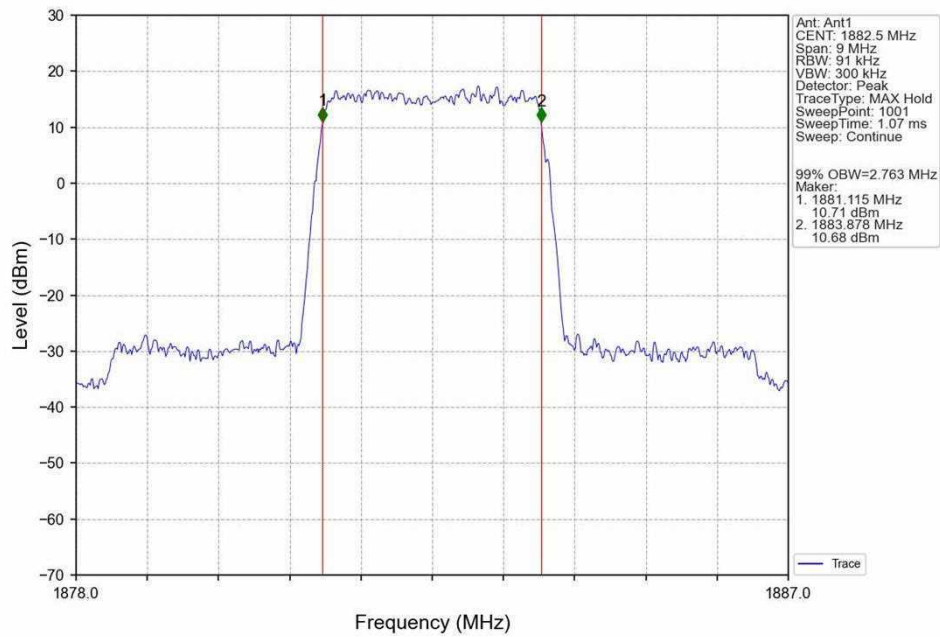
Band25_3MHz_QPSK_HCH_1913.5MHz_RB_15_0_NTNV



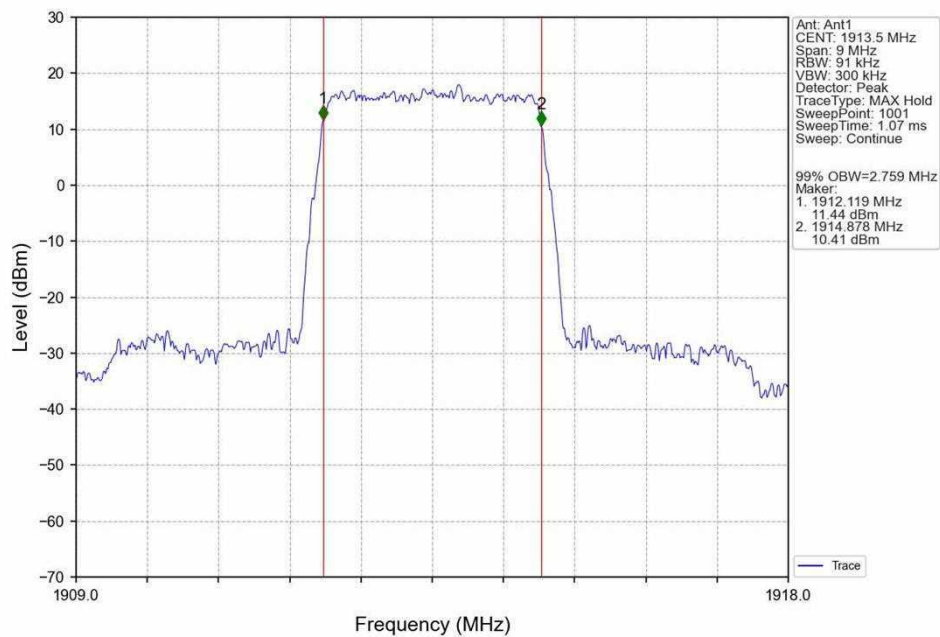
Band25_3MHz_16QAM_LCH_1851.5MHz_RB_15_0_NTNV



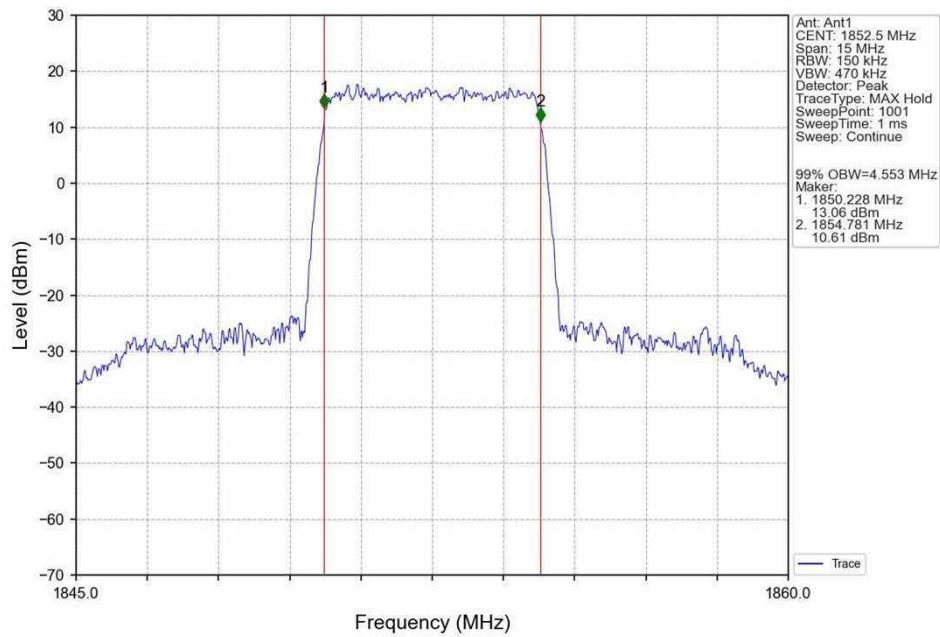
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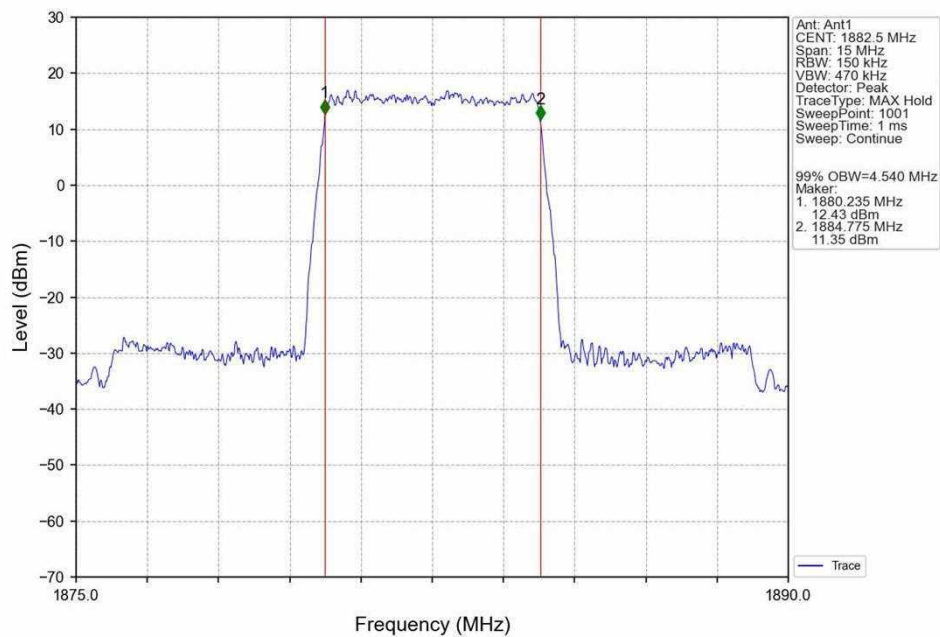
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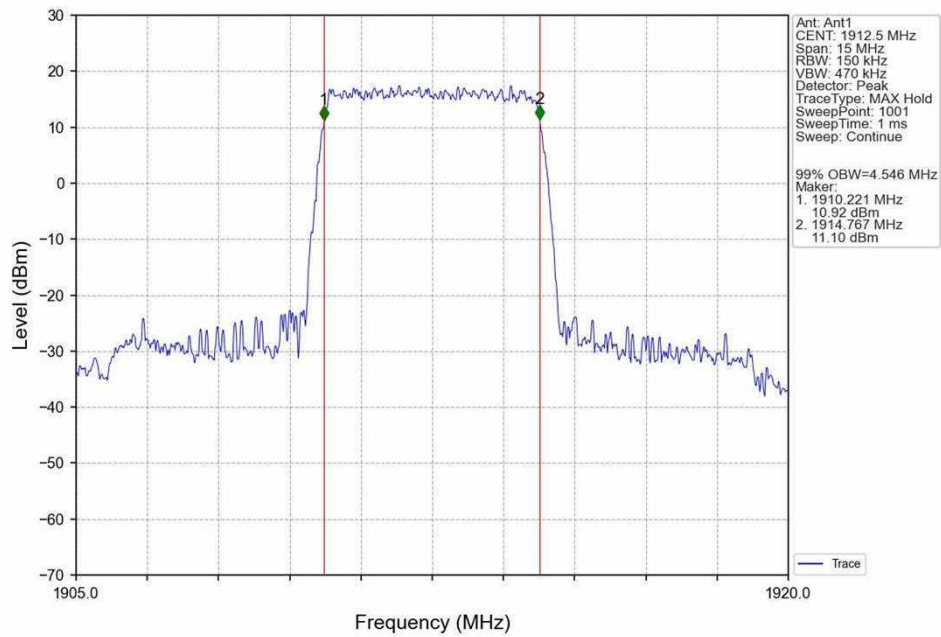
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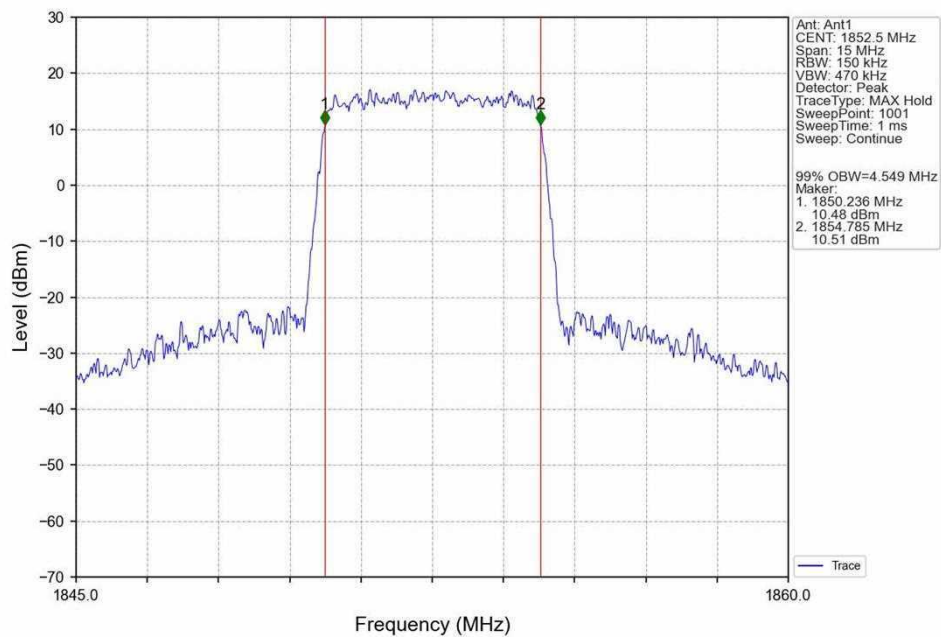
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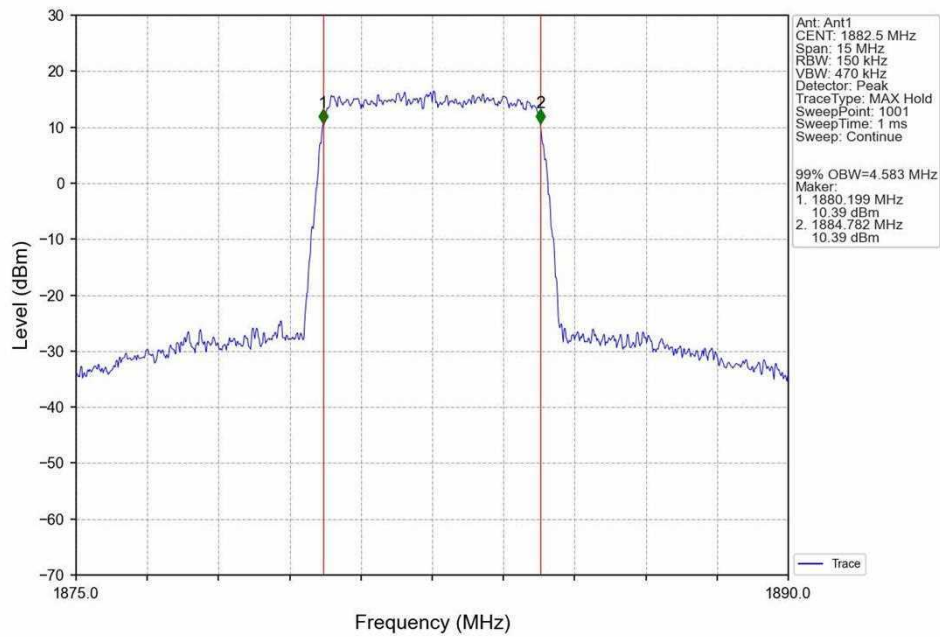
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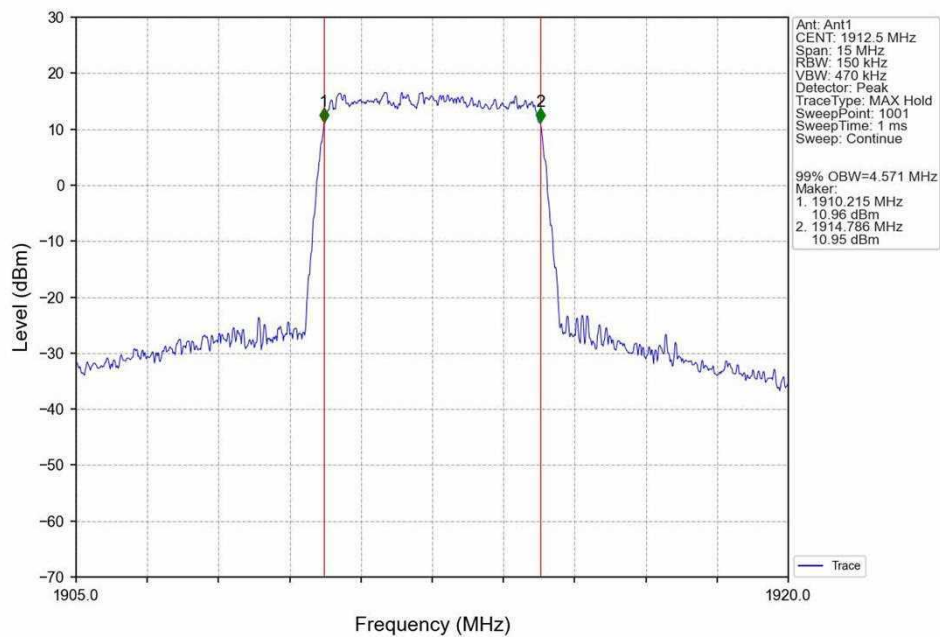
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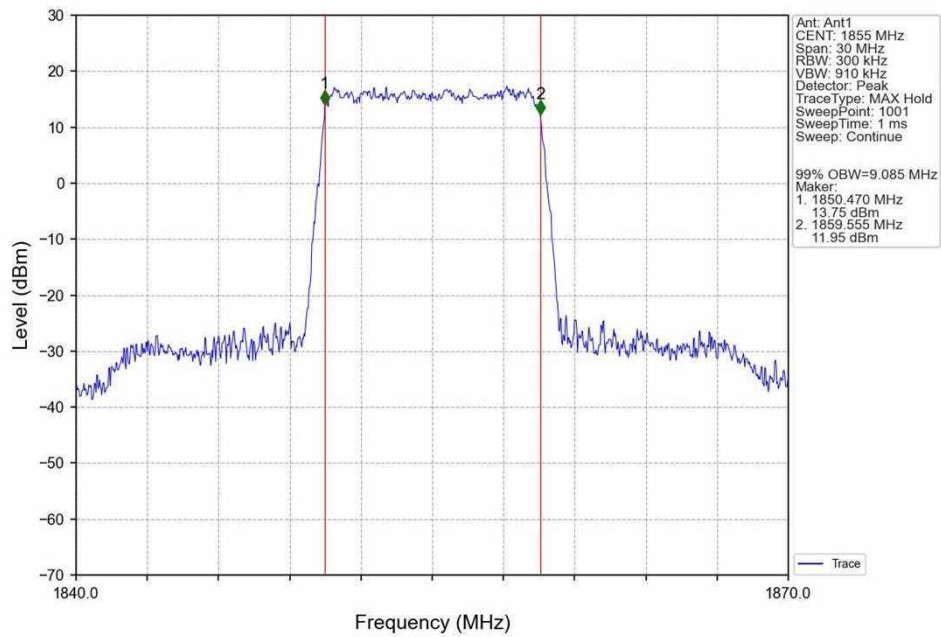
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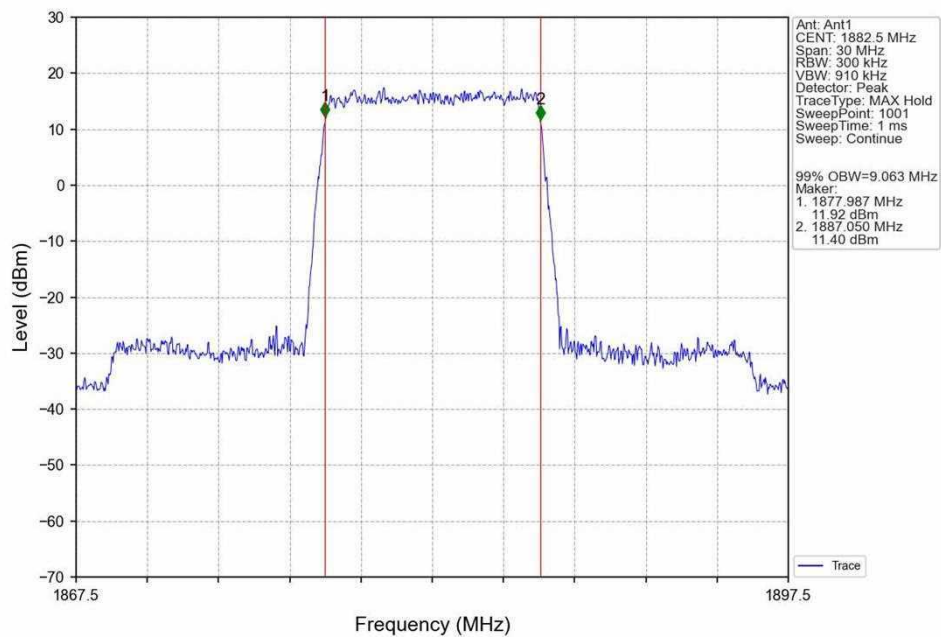
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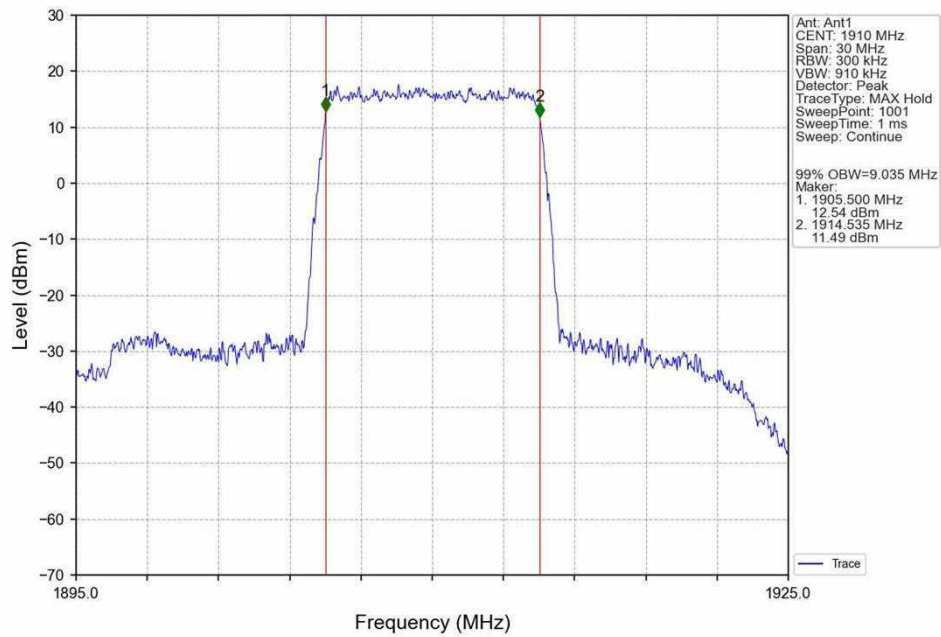
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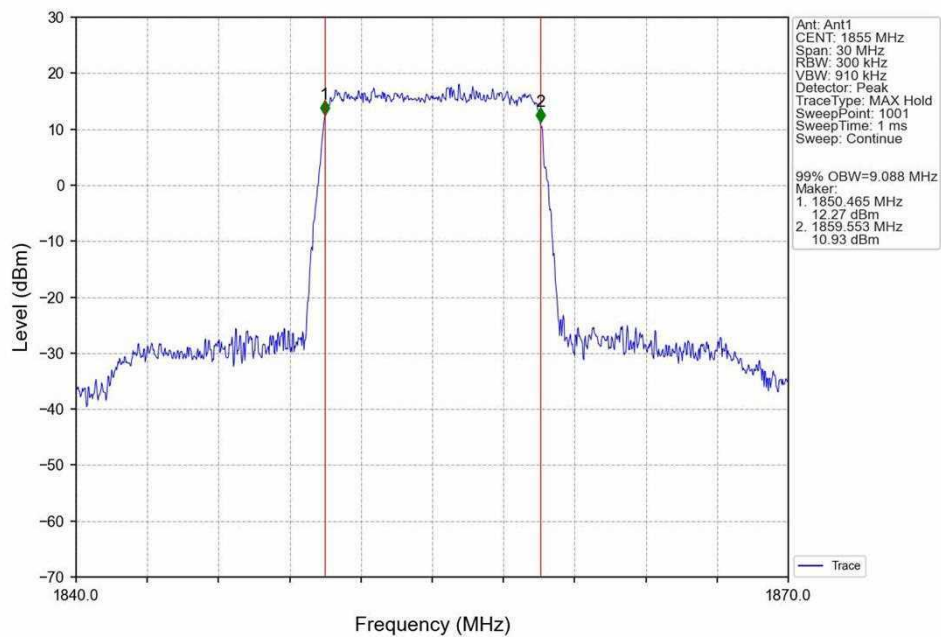
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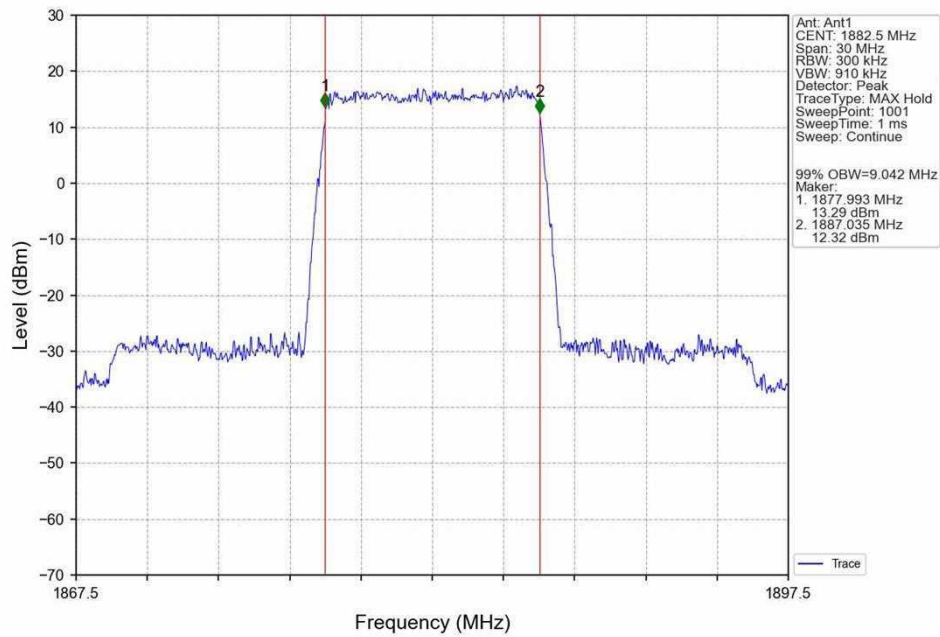
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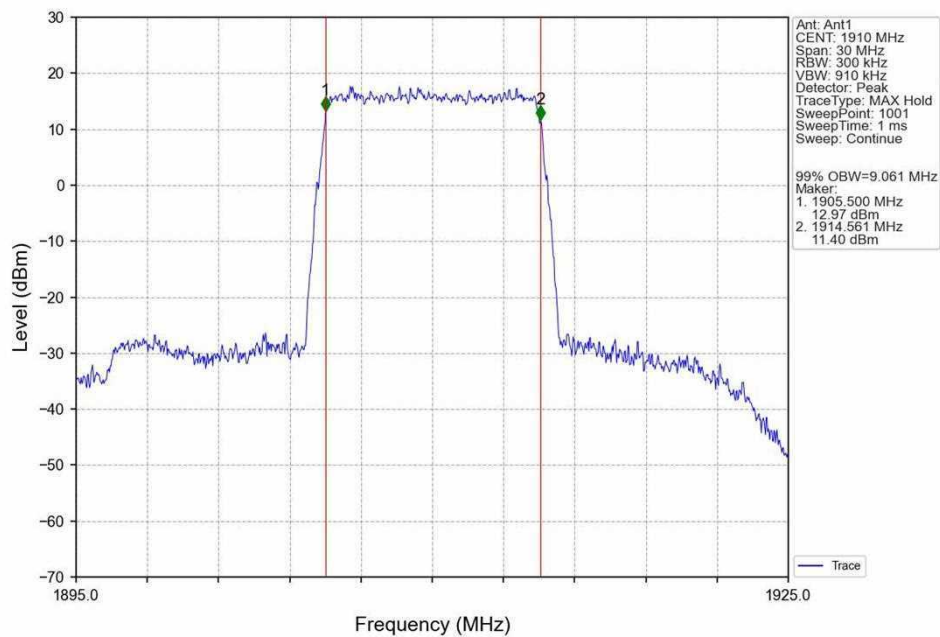
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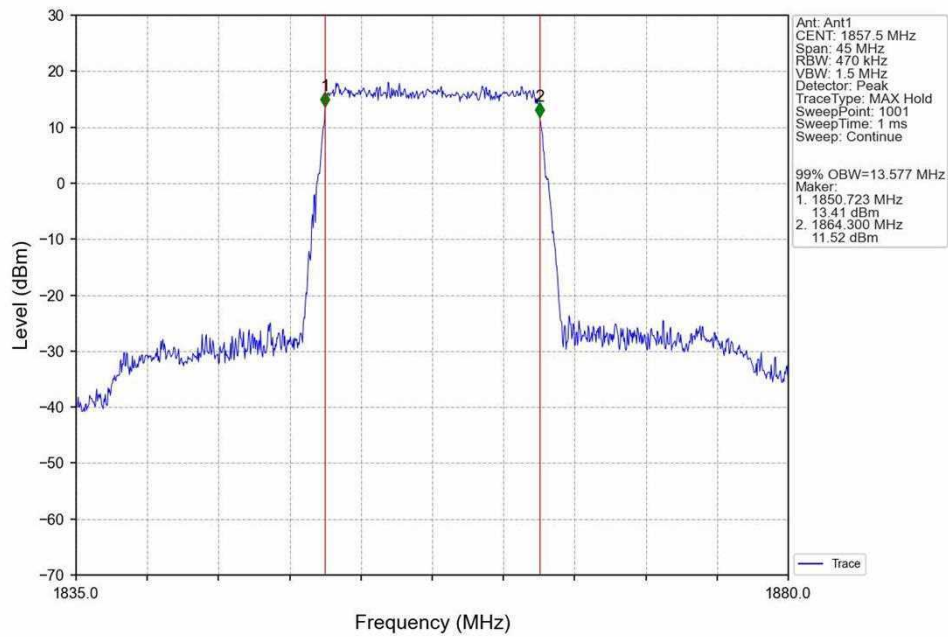
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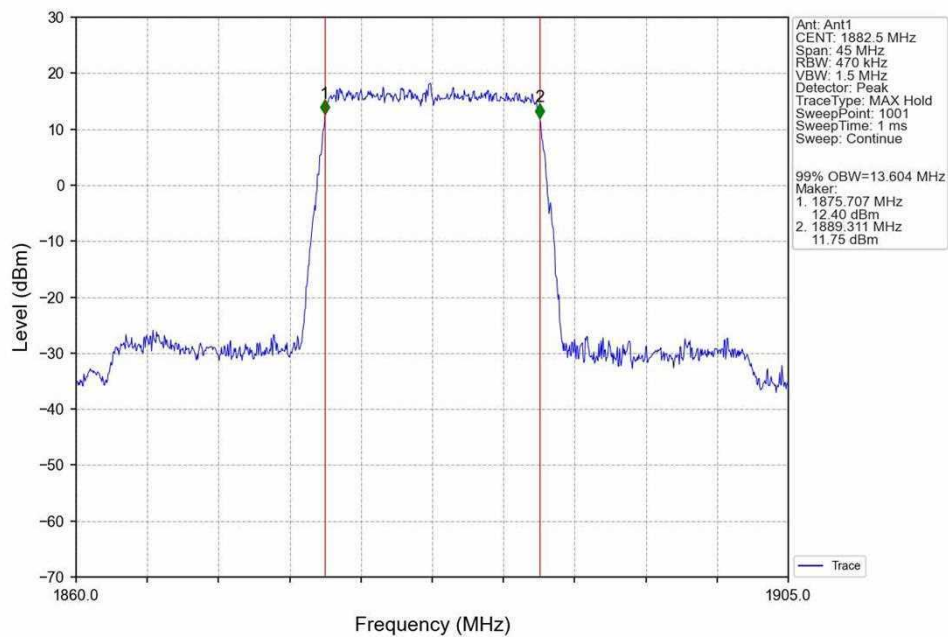
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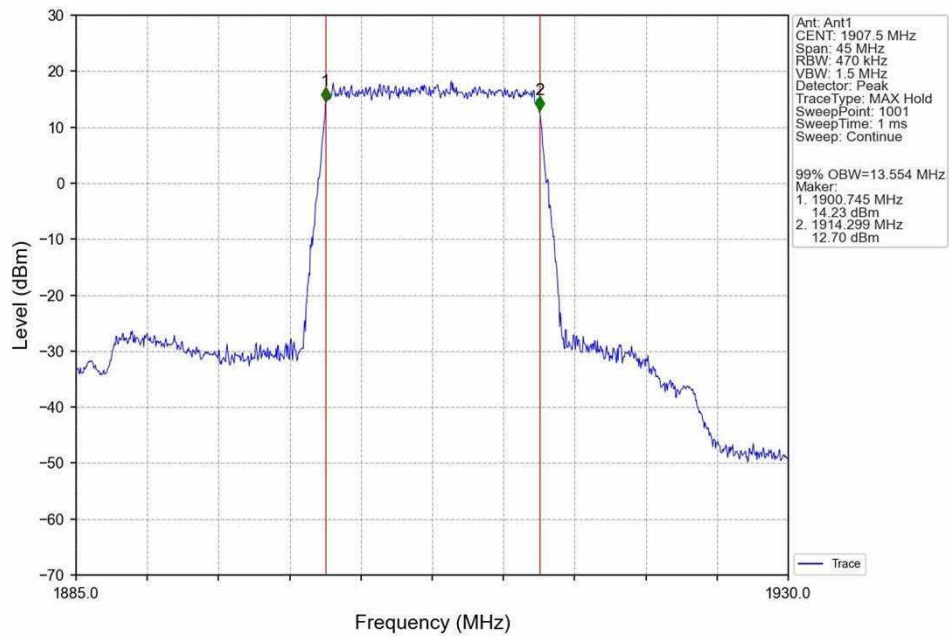
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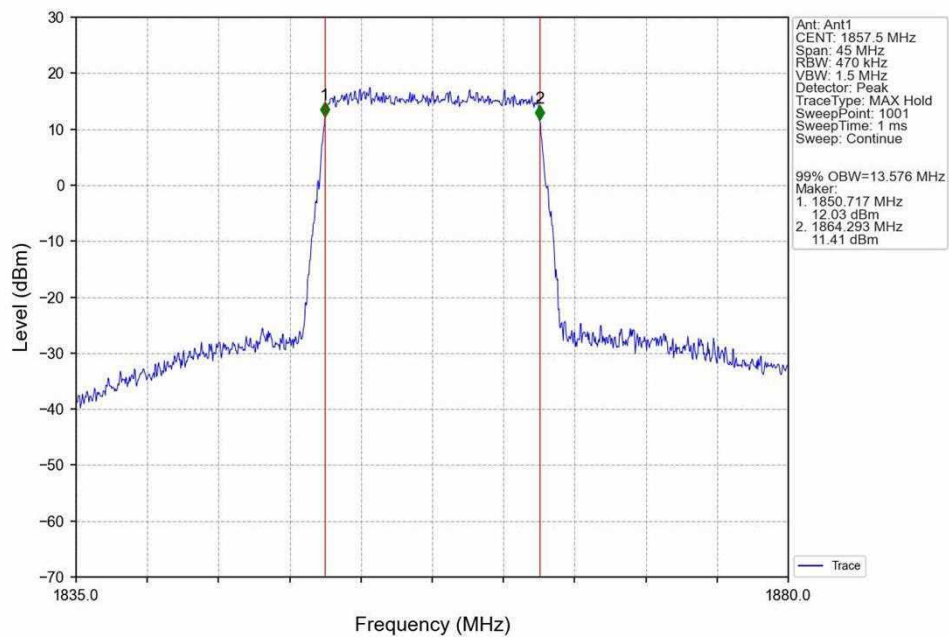
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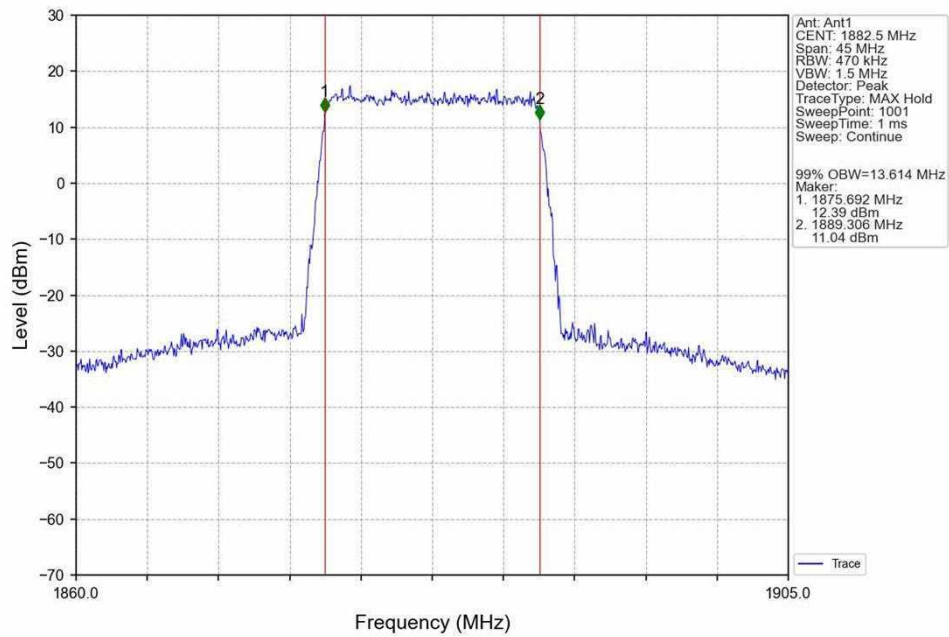
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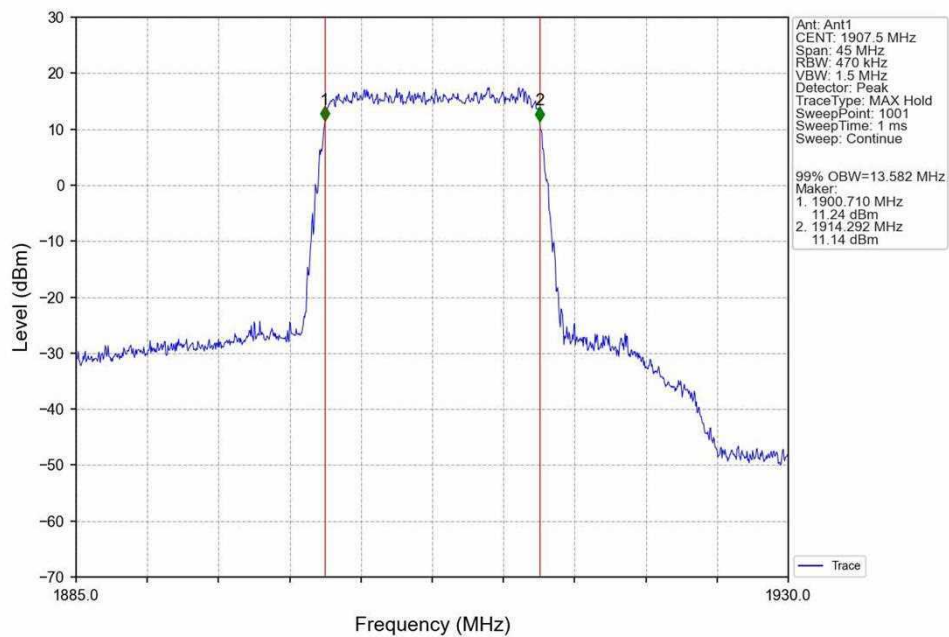
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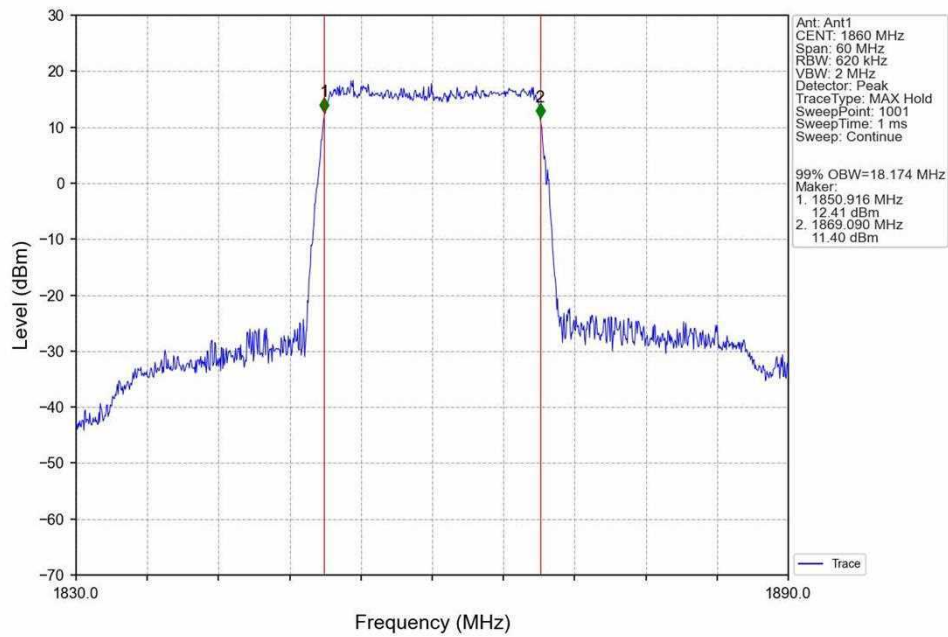
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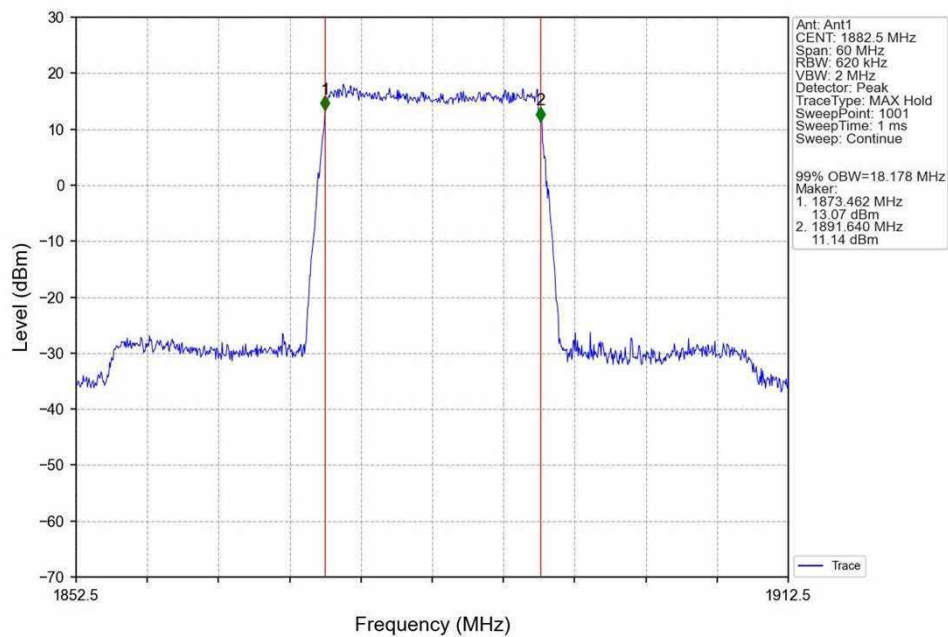
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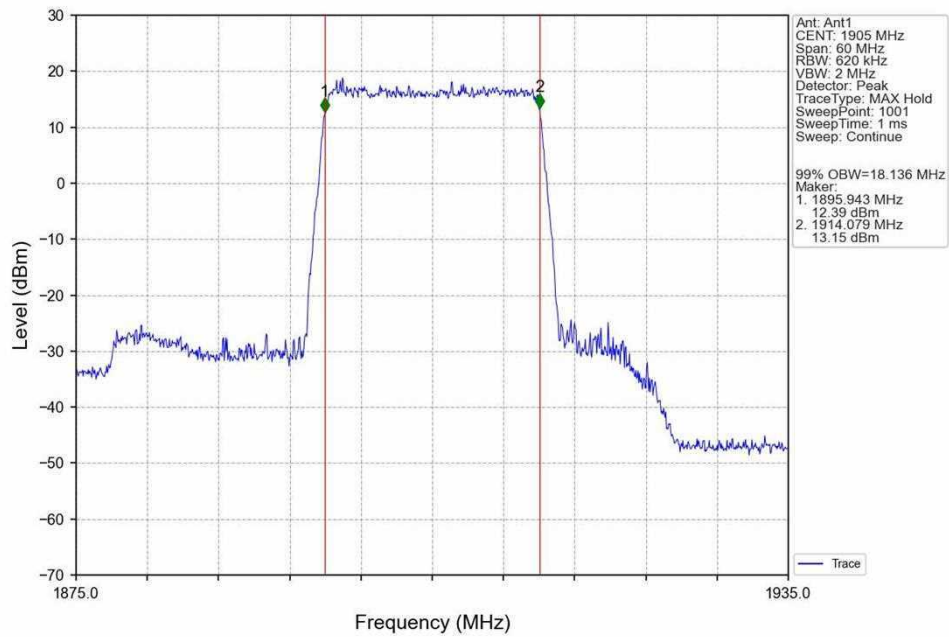
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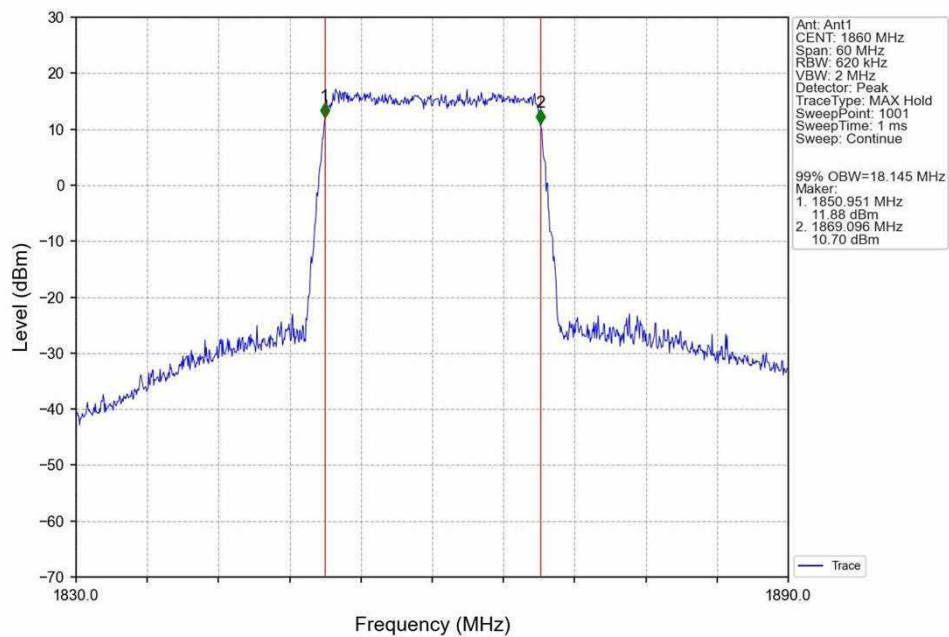
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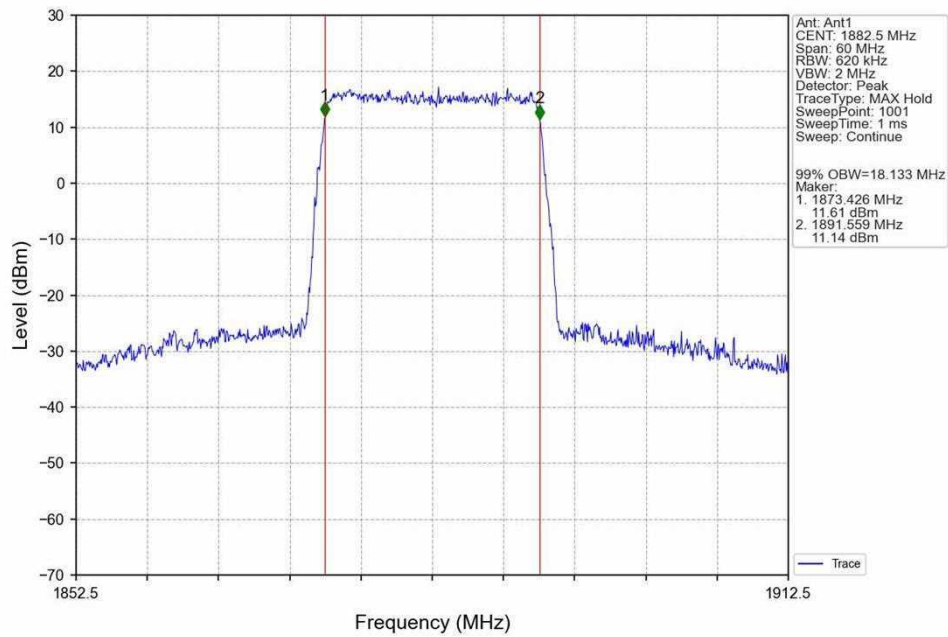
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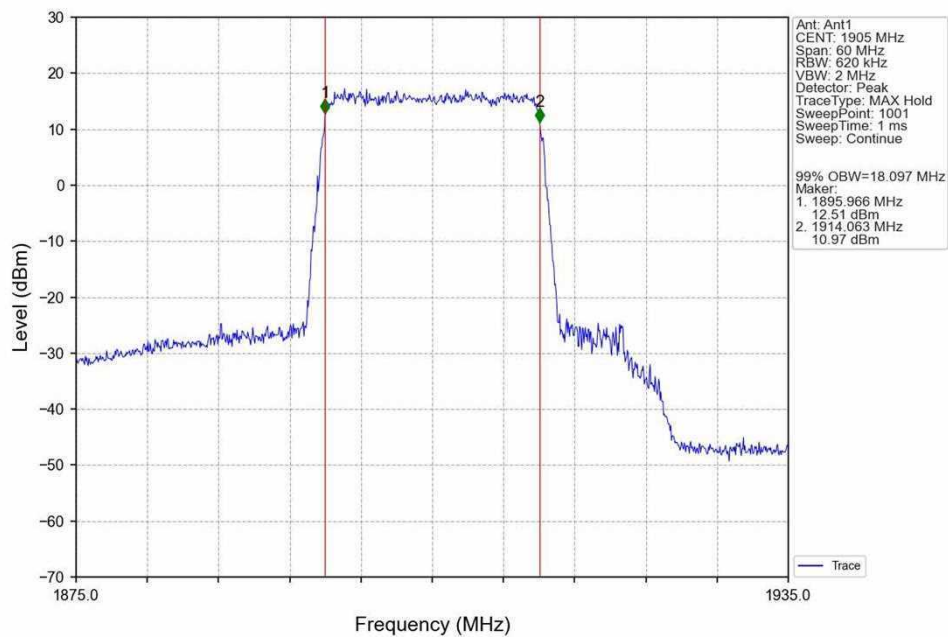
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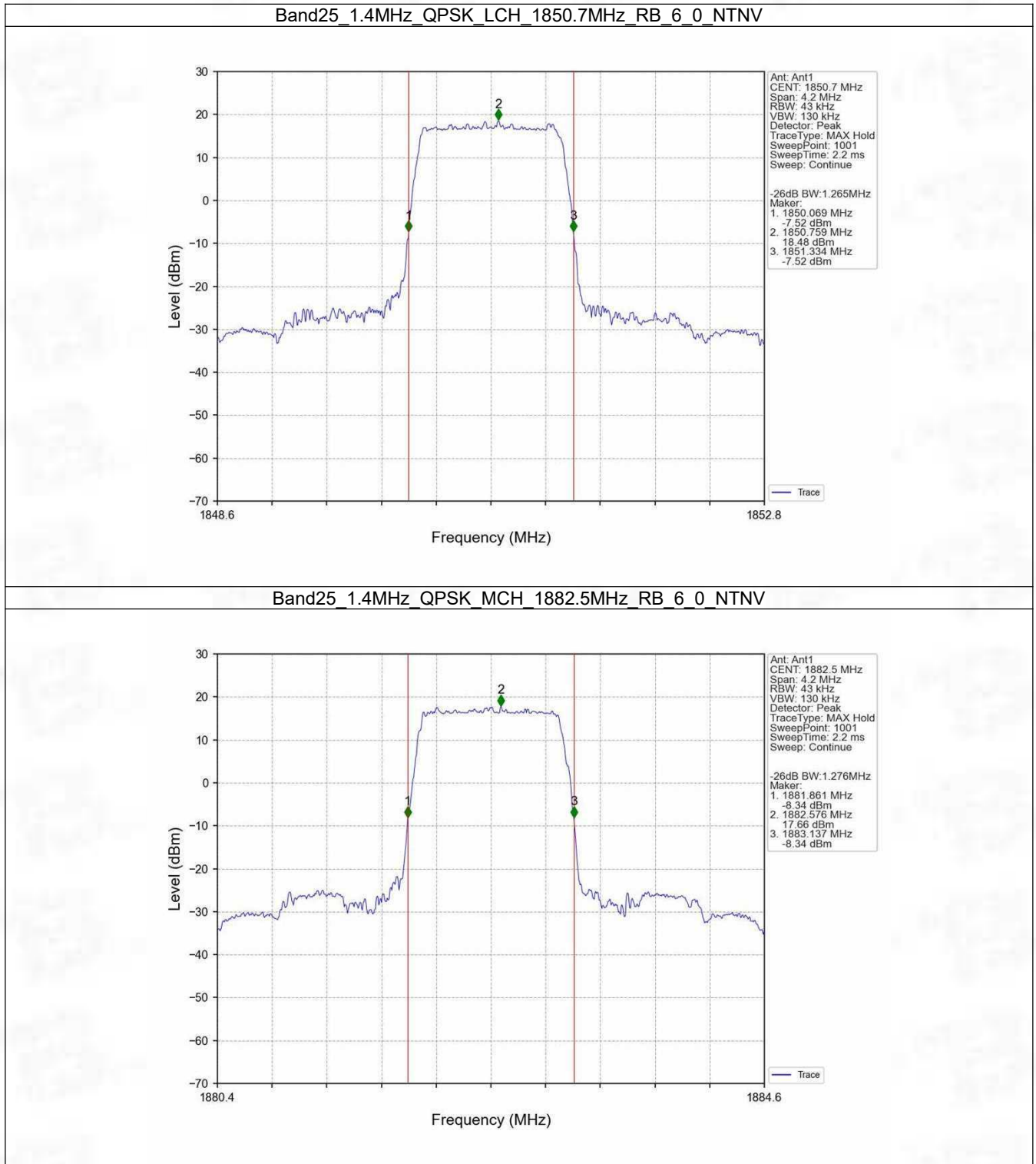
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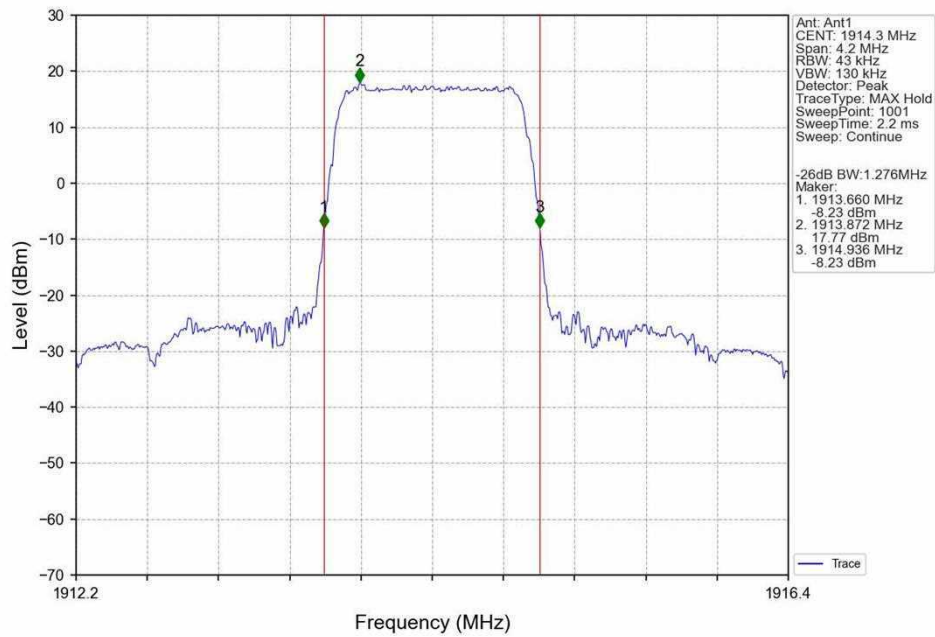
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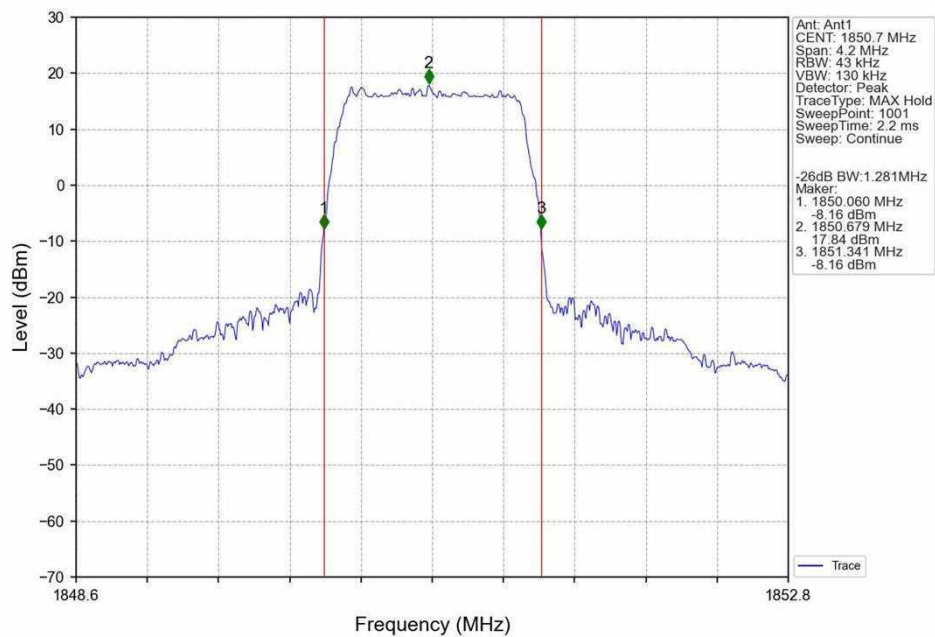
4.2.2 Band25_XDB



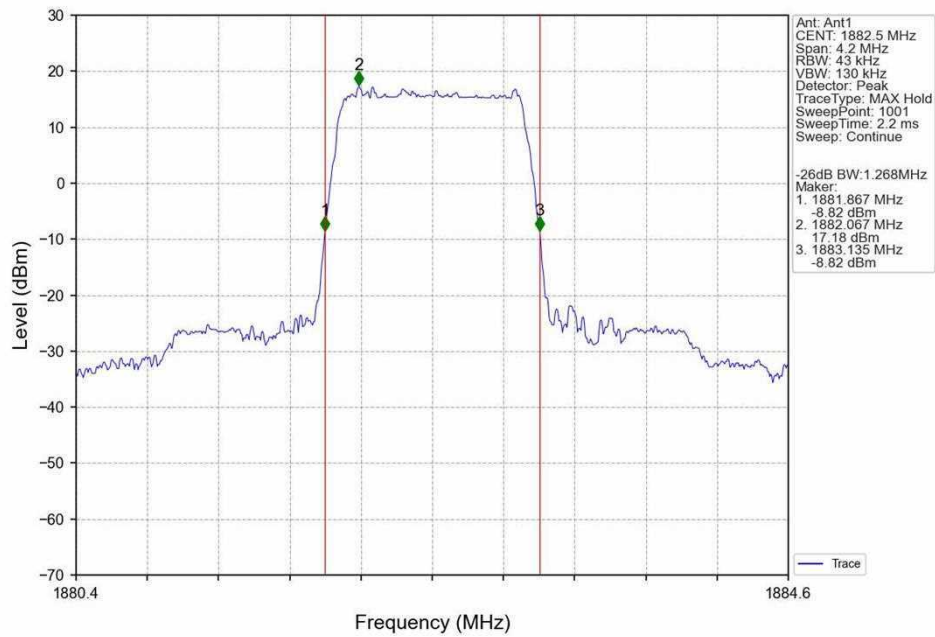
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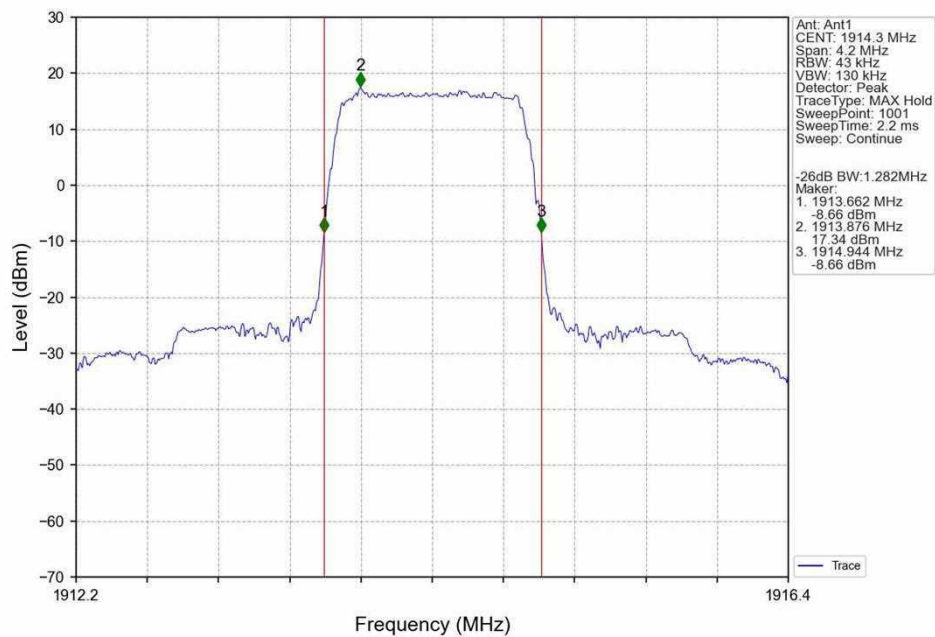
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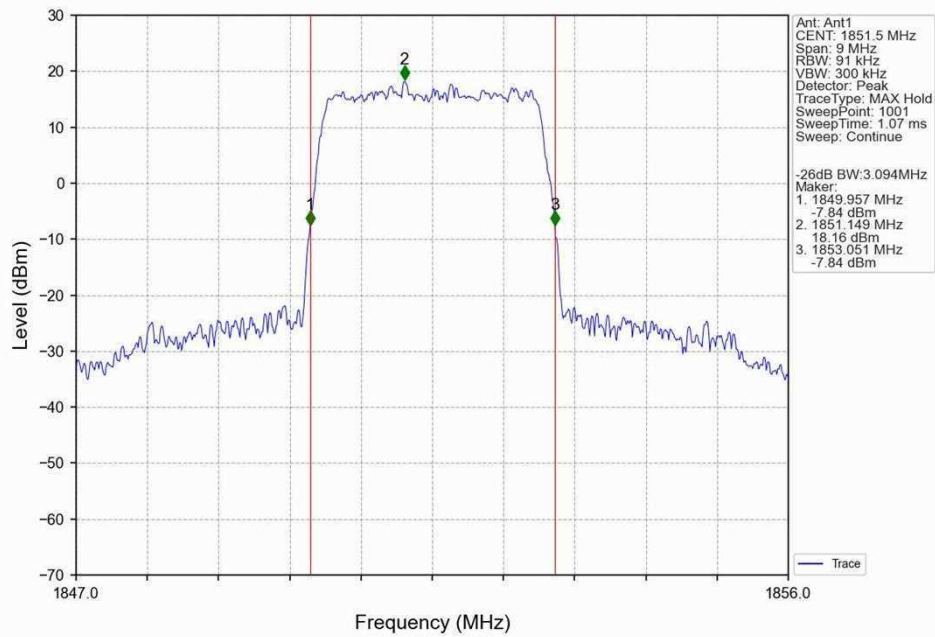
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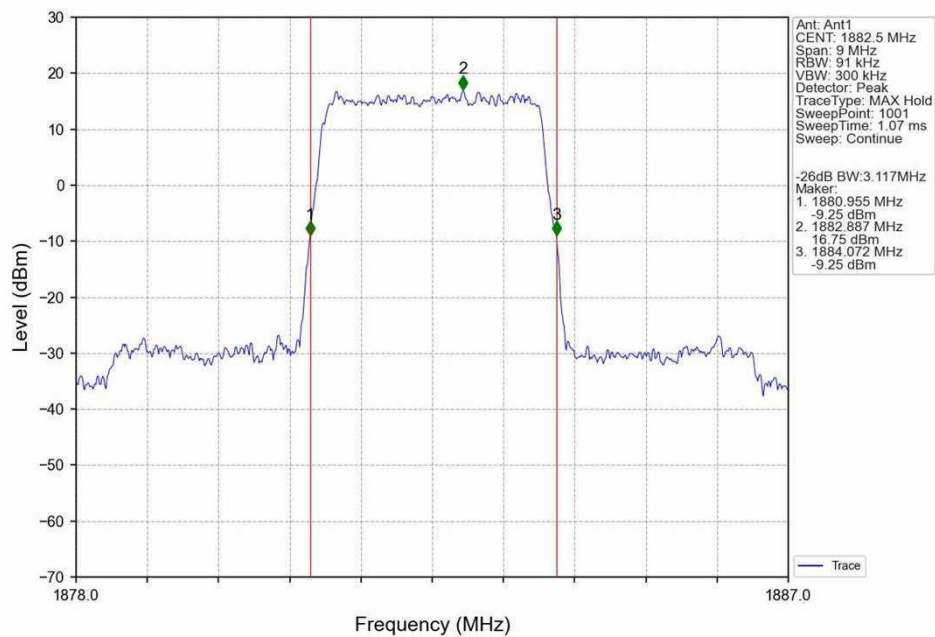
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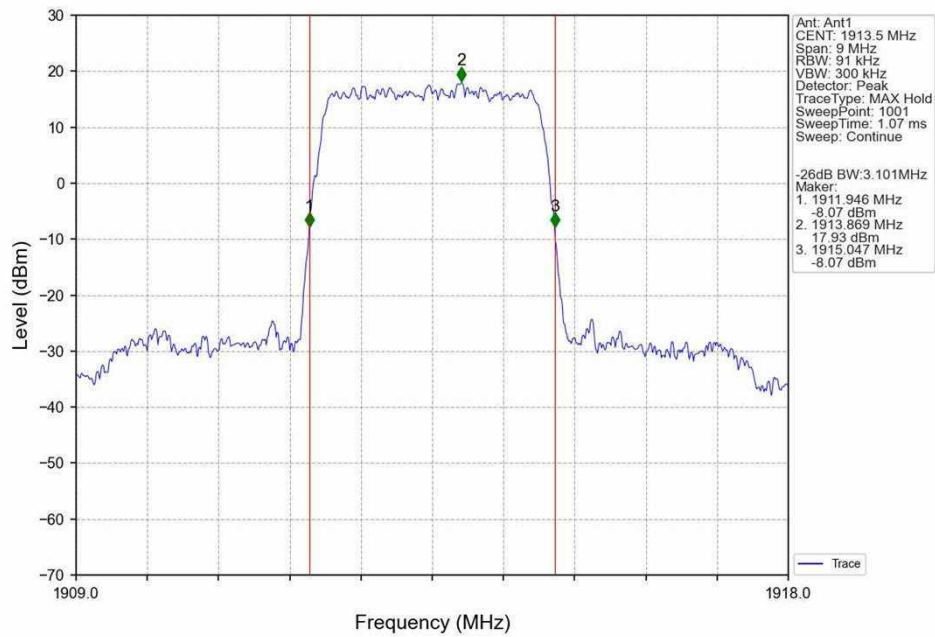
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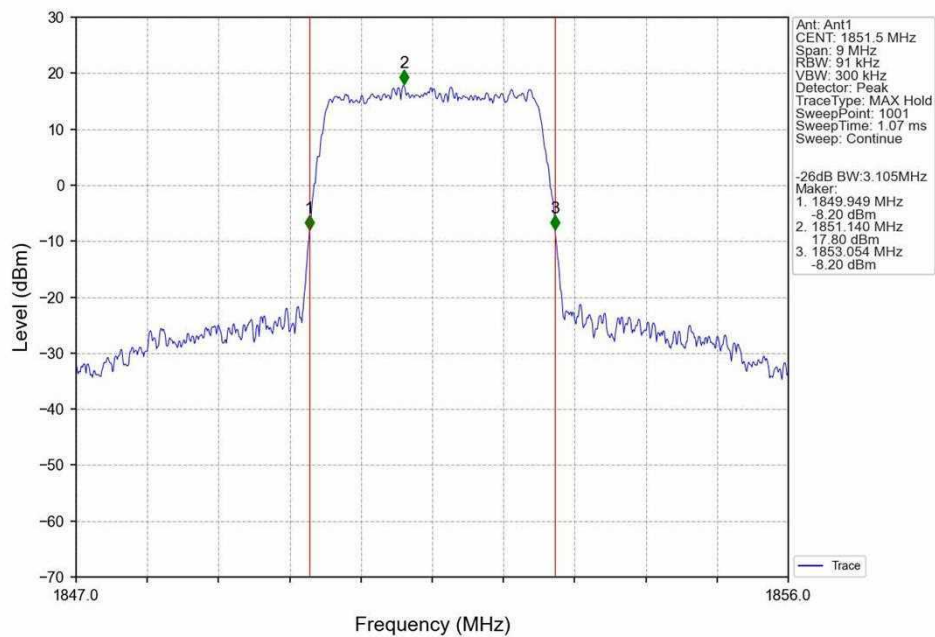
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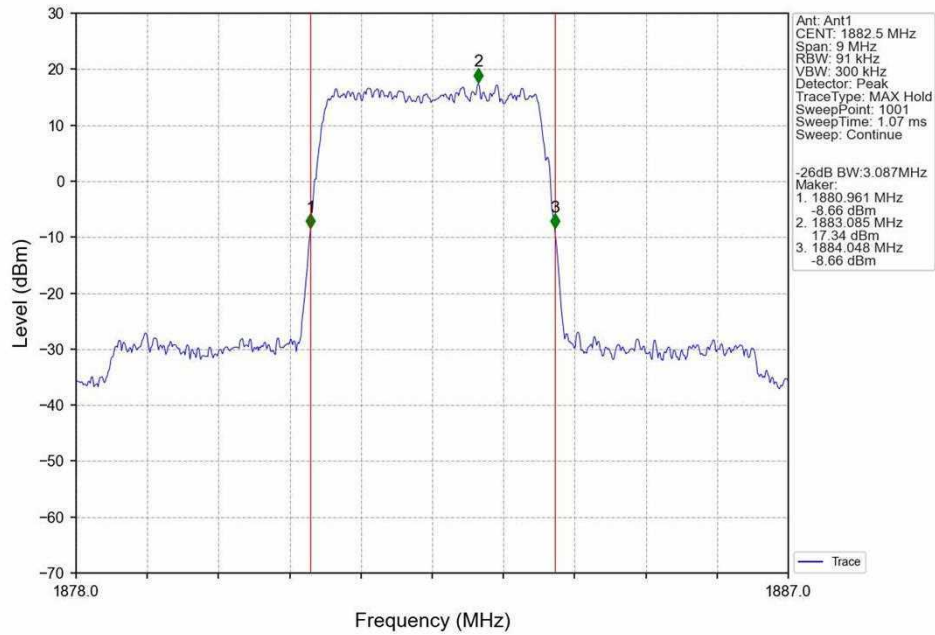
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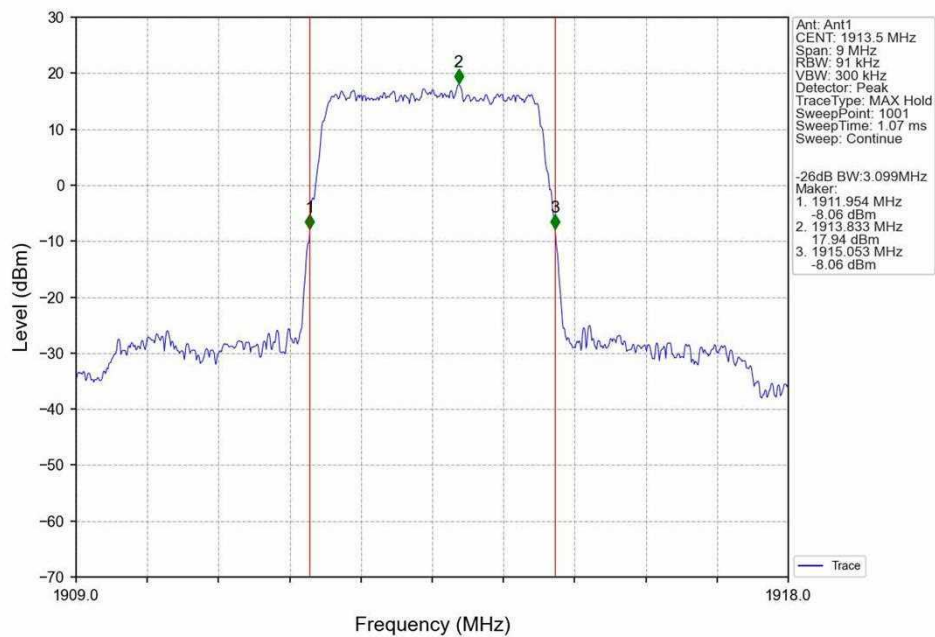
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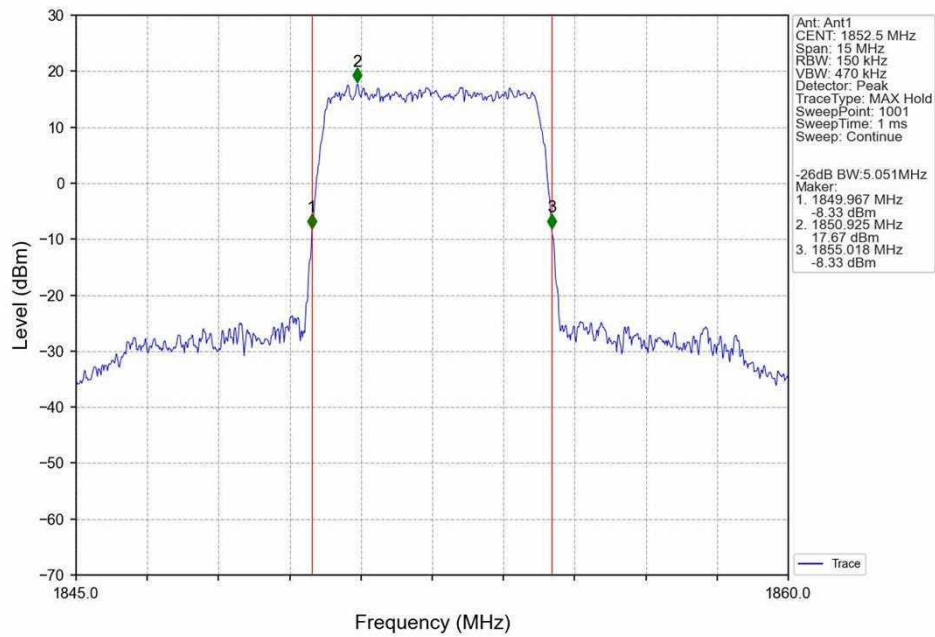
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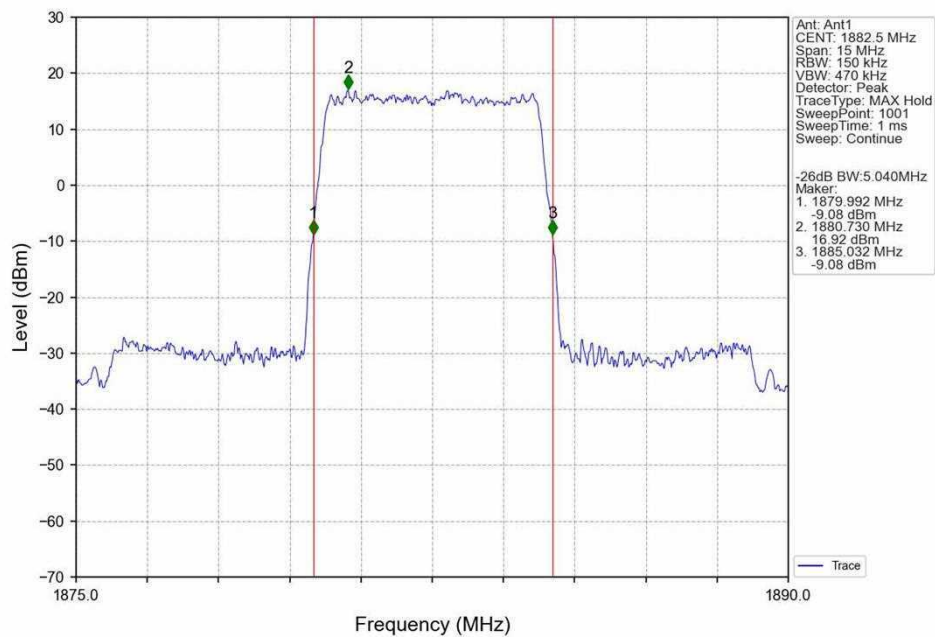
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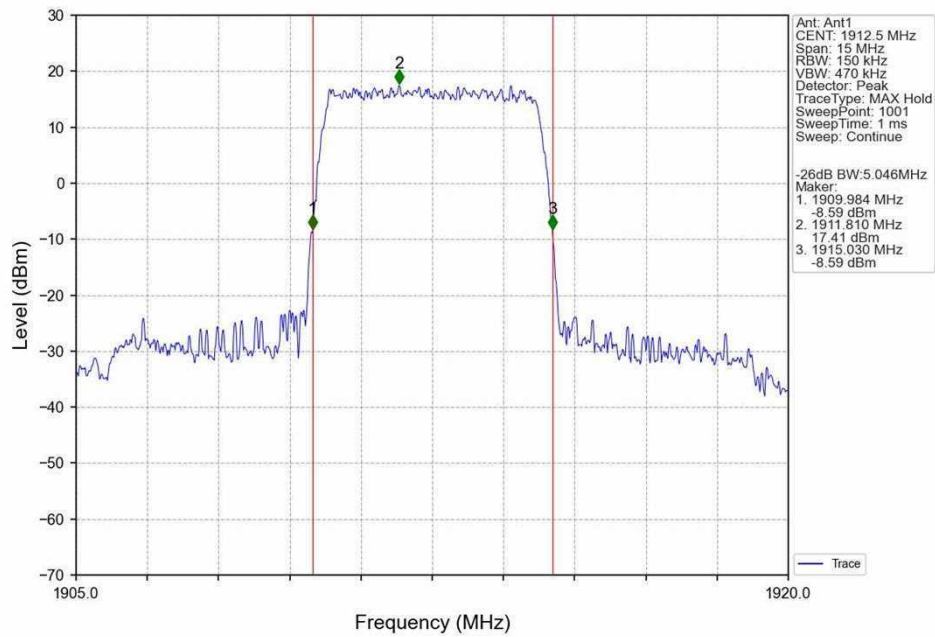
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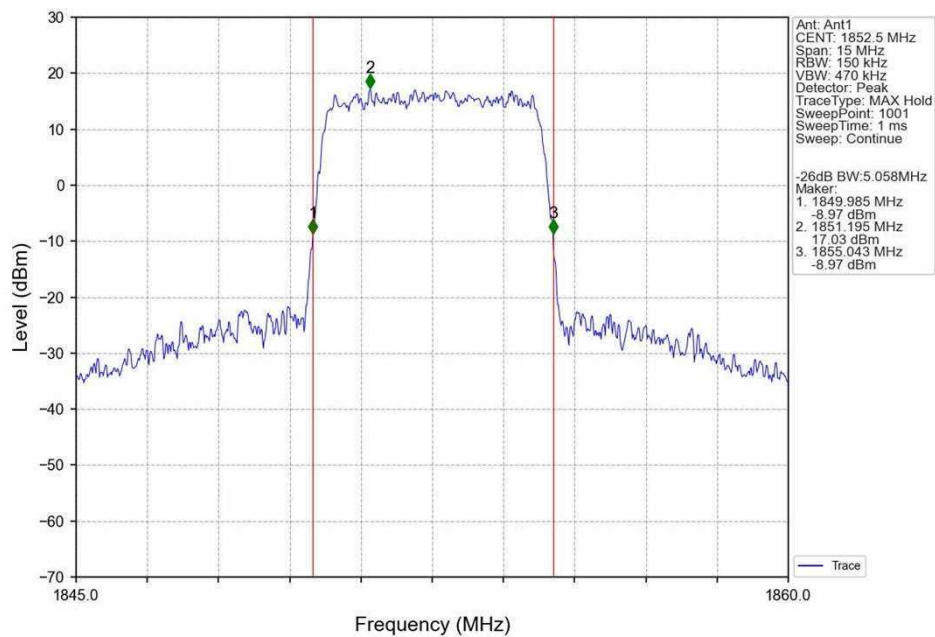
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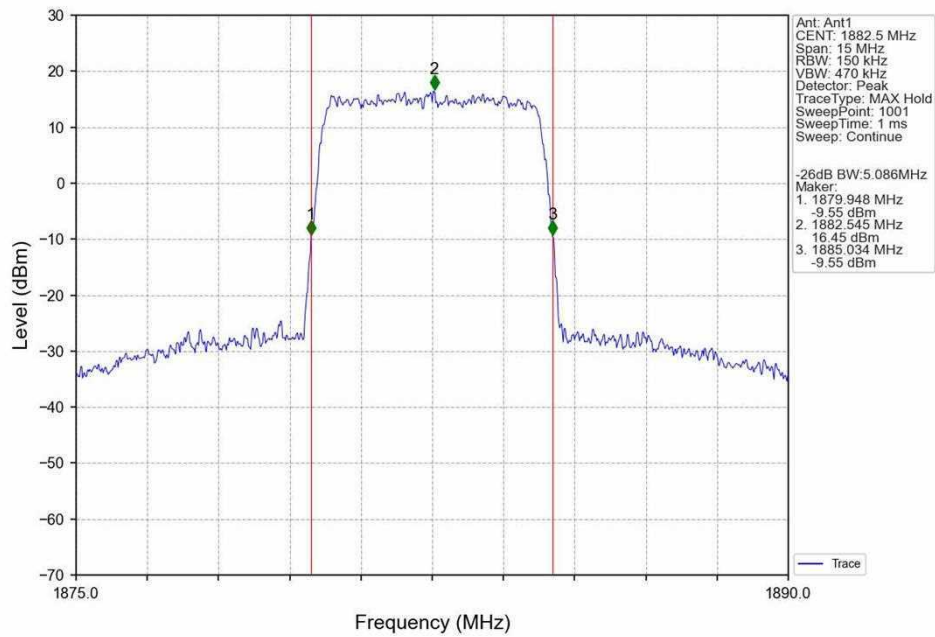
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Band25_5MHz_16QAM_LCH_1852.5MHz_RB_25_0_NTNV



Band25_5MHz_16QAM_MCH_1882.5MHz_RB_25_0_NTNV



Band25_5MHz_16QAM_HCH_1912.5MHz_RB_25_0_NTNV

