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Appendix B.15

LTE Band 25



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1. Effective (Isotropic) Radiated Power Output Data

1.1 B25_1.4MHz_EIRPAnt0

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	23.48	1.96	25.44	<=33.00	Pass
			2	23.65	1.96	25.61	<=33.00	Pass
			5	23.44	1.96	25.40	<=33.00	Pass
		3	0	23.52	1.96	25.48	<=33.00	Pass
			2	23.57	1.96	25.53	<=33.00	Pass
			3	23.53	1.96	25.49	<=33.00	Pass
		6	0	22.50	1.96	24.46	<=33.00	Pass
	1882.5	1	0	23.40	1.96	25.36	<=33.00	Pass
			2	23.55	1.96	25.51	<=33.00	Pass
			5	23.38	1.96	25.34	<=33.00	Pass
		3	0	23.52	1.96	25.48	<=33.00	Pass
			2	23.54	1.96	25.50	<=33.00	Pass
			3	23.50	1.96	25.46	<=33.00	Pass
		6	0	22.47	1.96	24.43	<=33.00	Pass
	1914.3	1	0	23.34	1.96	25.30	<=33.00	Pass
			2	23.53	1.96	25.49	<=33.00	Pass
			5	23.35	1.96	25.31	<=33.00	Pass
		3	0	23.39	1.96	25.35	<=33.00	Pass
			2	23.40	1.96	25.36	<=33.00	Pass
			3	23.38	1.96	25.34	<=33.00	Pass
		6	0	22.44	1.96	24.40	<=33.00	Pass
16QAM	1850.7	1	0	22.52	1.96	24.48	<=33.00	Pass
			2	22.67	1.96	24.63	<=33.00	Pass
			5	22.49	1.96	24.45	<=33.00	Pass
		3	0	22.51	1.96	24.47	<=33.00	Pass
			2	22.54	1.96	24.50	<=33.00	Pass
			3	22.51	1.96	24.47	<=33.00	Pass
		6	0	21.64	1.96	23.60	<=33.00	Pass
	1882.5	1	0	22.62	1.96	24.58	<=33.00	Pass
			2	22.77	1.96	24.73	<=33.00	Pass
			5	22.55	1.96	24.51	<=33.00	Pass
		3	0	22.58	1.96	24.54	<=33.00	Pass
			2	22.61	1.96	24.57	<=33.00	Pass
			3	22.52	1.96	24.48	<=33.00	Pass
		6	0	21.48	1.96	23.44	<=33.00	Pass
	1914.3	1	0	22.59	1.96	24.55	<=33.00	Pass
			2	22.73	1.96	24.69	<=33.00	Pass
			5	22.54	1.96	24.50	<=33.00	Pass
		3	0	22.52	1.96	24.48	<=33.00	Pass



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		2	22.52	1.96	24.48	<=33.00	Pass
		3	22.48	1.96	24.44	<=33.00	Pass
	6	0	21.47	1.96	23.43	<=33.00	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.2 B25_3MHz_EIRP

1.2.1 Test Result

Band: 25 / Bandwidth: 3MHz / NTN								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1851.5	1	0	23.48	1.96	25.44	<=33.00	Pass
			7	23.52	1.96	25.48	<=33.00	Pass
			14	23.56	1.96	25.52	<=33.00	Pass
		8	0	22.48	1.96	24.44	<=33.00	Pass
			4	22.51	1.96	24.47	<=33.00	Pass
			7	22.48	1.96	24.44	<=33.00	Pass
		15	0	22.42	1.96	24.38	<=33.00	Pass
	1882.5	1	0	23.40	1.96	25.36	<=33.00	Pass
			7	23.46	1.96	25.42	<=33.00	Pass
			14	23.40	1.96	25.36	<=33.00	Pass
		8	0	22.44	1.96	24.40	<=33.00	Pass
			4	22.50	1.96	24.46	<=33.00	Pass
			7	22.40	1.96	24.36	<=33.00	Pass
		15	0	22.40	1.96	24.36	<=33.00	Pass
	1913.5	1	0	23.36	1.96	25.32	<=33.00	Pass
			7	23.33	1.96	25.29	<=33.00	Pass
			14	23.35	1.96	25.31	<=33.00	Pass
		8	0	22.41	1.96	24.37	<=33.00	Pass
			4	22.43	1.96	24.39	<=33.00	Pass
			7	22.38	1.96	24.34	<=33.00	Pass
		15	0	22.34	1.96	24.30	<=33.00	Pass
16QAM	1851.5	1	0	22.56	1.96	24.52	<=33.00	Pass
			7	22.56	1.96	24.52	<=33.00	Pass
			14	22.54	1.96	24.50	<=33.00	Pass
		8	0	21.69	1.96	23.65	<=33.00	Pass
			4	21.69	1.96	23.65	<=33.00	Pass
			7	21.69	1.96	23.65	<=33.00	Pass
		15	0	21.53	1.96	23.49	<=33.00	Pass
	1882.5	1	0	22.67	1.96	24.63	<=33.00	Pass
			7	22.65	1.96	24.61	<=33.00	Pass
			14	22.57	1.96	24.53	<=33.00	Pass
		8	0	21.52	1.96	23.48	<=33.00	Pass
			4	21.54	1.96	23.50	<=33.00	Pass
			7	21.51	1.96	23.47	<=33.00	Pass
		15	0	21.50	1.96	23.46	<=33.00	Pass



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	1913.5	1	0	22.51	1.96	24.47	<=33.00	Pass
			7	22.52	1.96	24.48	<=33.00	Pass
			14	22.52	1.96	24.48	<=33.00	Pass
		8	0	21.61	1.96	23.57	<=33.00	Pass
			4	21.64	1.96	23.60	<=33.00	Pass
			7	21.56	1.96	23.52	<=33.00	Pass
		15	0	21.41	1.96	23.37	<=33.00	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	23.36	1.96	25.32	<=33.00	Pass
			13	23.52	1.96	25.48	<=33.00	Pass
			24	23.35	1.96	25.31	<=33.00	Pass
		12	0	22.44	1.96	24.40	<=33.00	Pass
			6	22.51	1.96	24.47	<=33.00	Pass
			13	22.52	1.96	24.48	<=33.00	Pass
		25	0	22.47	1.96	24.43	<=33.00	Pass
	1882.5	1	0	23.41	1.96	25.37	<=33.00	Pass
			13	23.51	1.96	25.47	<=33.00	Pass
			24	23.35	1.96	25.31	<=33.00	Pass
		12	0	22.46	1.96	24.42	<=33.00	Pass
			6	22.49	1.96	24.45	<=33.00	Pass
			13	22.42	1.96	24.38	<=33.00	Pass
		25	0	22.46	1.96	24.42	<=33.00	Pass
	1912.5	1	0	23.29	1.96	25.25	<=33.00	Pass
			13	23.41	1.96	25.37	<=33.00	Pass
			24	23.29	1.96	25.25	<=33.00	Pass
		12	0	22.39	1.96	24.35	<=33.00	Pass
			6	22.38	1.96	24.34	<=33.00	Pass
			13	22.27	1.96	24.23	<=33.00	Pass
		25	0	22.35	1.96	24.31	<=33.00	Pass
16QAM	1852.5	1	0	22.56	1.96	24.52	<=33.00	Pass
			13	22.71	1.96	24.67	<=33.00	Pass
			24	22.59	1.96	24.55	<=33.00	Pass
		12	0	21.50	1.96	23.46	<=33.00	Pass
			6	21.61	1.96	23.57	<=33.00	Pass
			13	21.59	1.96	23.55	<=33.00	Pass
		25	0	21.53	1.96	23.49	<=33.00	Pass
	1882.5	1	0	22.58	1.96	24.54	<=33.00	Pass
			13	22.65	1.96	24.61	<=33.00	Pass
			24	22.53	1.96	24.49	<=33.00	Pass



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	12	0	21.46	1.96	23.42	<=33.00	Pass
		6	21.51	1.96	23.47	<=33.00	Pass
		13	21.44	1.96	23.40	<=33.00	Pass
	25	0	21.50	1.96	23.46	<=33.00	Pass
	1	0	22.55	1.96	24.51	<=33.00	Pass
		13	22.65	1.96	24.61	<=33.00	Pass
		24	22.51	1.96	24.47	<=33.00	Pass
	12	0	21.37	1.96	23.33	<=33.00	Pass
		6	21.37	1.96	23.33	<=33.00	Pass
		13	21.24	1.96	23.20	<=33.00	Pass
	25	0	21.40	1.96	23.36	<=33.00	Pass
	Note1: EIRP=Conducted Power+Antenna Gain						

1.4 B25_10MHz_EIRP

1.4.1 Test Result

Band: 25 / Bandwidth: 10MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1855	1	0	23.49	1.96	25.45	<=33.00	Pass
			25	23.68	1.96	25.64	<=33.00	Pass
			49	23.50	1.96	25.46	<=33.00	Pass
		25	0	22.54	1.96	24.50	<=33.00	Pass
			13	22.56	1.96	24.52	<=33.00	Pass
			25	22.51	1.96	24.47	<=33.00	Pass
		50	0	22.56	1.96	24.52	<=33.00	Pass
	1882.5	1	0	23.54	1.96	25.50	<=33.00	Pass
			25	23.64	1.96	25.60	<=33.00	Pass
			49	23.43	1.96	25.39	<=33.00	Pass
		25	0	22.50	1.96	24.46	<=33.00	Pass
			13	22.49	1.96	24.45	<=33.00	Pass
			25	22.44	1.96	24.40	<=33.00	Pass
		50	0	22.48	1.96	24.44	<=33.00	Pass
	1910	1	0	23.28	1.96	25.24	<=33.00	Pass
			25	23.53	1.96	25.49	<=33.00	Pass
			49	23.34	1.96	25.30	<=33.00	Pass
		25	0	22.42	1.96	24.38	<=33.00	Pass
			13	22.40	1.96	24.36	<=33.00	Pass
			25	22.28	1.96	24.24	<=33.00	Pass
		50	0	22.41	1.96	24.37	<=33.00	Pass
16QAM	1855	1	0	22.63	1.96	24.59	<=33.00	Pass
			25	22.85	1.96	24.81	<=33.00	Pass
			49	22.68	1.96	24.64	<=33.00	Pass
		25	0	21.65	1.96	23.61	<=33.00	Pass
			13	21.69	1.96	23.65	<=33.00	Pass
			25	21.63	1.96	23.59	<=33.00	Pass



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	1882.5	50	0	21.61	1.96	23.57	<=33.00	Pass
		1	0	22.59	1.96	24.55	<=33.00	Pass
			25	22.75	1.96	24.71	<=33.00	Pass
			49	22.44	1.96	24.40	<=33.00	Pass
			0	21.61	1.96	23.57	<=33.00	Pass
		25	13	21.59	1.96	23.55	<=33.00	Pass
			25	21.55	1.96	23.51	<=33.00	Pass
		50	0	21.55	1.96	23.51	<=33.00	Pass
	1910	1	0	22.48	1.96	24.44	<=33.00	Pass
			25	22.65	1.96	24.61	<=33.00	Pass
			49	22.46	1.96	24.42	<=33.00	Pass
		25	0	21.49	1.96	23.45	<=33.00	Pass
			13	21.45	1.96	23.41	<=33.00	Pass
			25	21.37	1.96	23.33	<=33.00	Pass
		50	0	21.41	1.96	23.37	<=33.00	Pass
		1	0	22.48	1.96	24.44	<=33.00	Pass
			25	22.65	1.96	24.61	<=33.00	Pass
			49	22.46	1.96	24.42	<=33.00	Pass
		25	0	21.49	1.96	23.45	<=33.00	Pass
			13	21.45	1.96	23.41	<=33.00	Pass
			25	21.37	1.96	23.33	<=33.00	Pass
		50	0	21.41	1.96	23.37	<=33.00	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	23.42	1.96	25.38	<=33.00	Pass
			38	23.56	1.96	25.52	<=33.00	Pass
			74	23.35	1.96	25.31	<=33.00	Pass
		36	0	22.54	1.96	24.50	<=33.00	Pass
			18	22.62	1.96	24.58	<=33.00	Pass
			39	22.54	1.96	24.50	<=33.00	Pass
		75	0	22.61	1.96	24.57	<=33.00	Pass
	1882.5	1	0	23.48	1.96	25.44	<=33.00	Pass
			38	23.54	1.96	25.50	<=33.00	Pass
			74	23.36	1.96	25.32	<=33.00	Pass
		36	0	22.57	1.96	24.53	<=33.00	Pass
			18	22.57	1.96	24.53	<=33.00	Pass
			39	22.45	1.96	24.41	<=33.00	Pass
		75	0	22.49	1.96	24.45	<=33.00	Pass
	1907.5	1	0	23.16	1.96	25.12	<=33.00	Pass
			38	23.33	1.96	25.29	<=33.00	Pass
			74	23.21	1.96	25.17	<=33.00	Pass
		36	0	22.37	1.96	24.33	<=33.00	Pass
			18	22.42	1.96	24.38	<=33.00	Pass
			39	22.35	1.96	24.31	<=33.00	Pass
		75	0	22.38	1.96	24.34	<=33.00	Pass
16QAM	1857.5	1	0	22.60	1.96	24.56	<=33.00	Pass
			38	22.75	1.96	24.71	<=33.00	Pass



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			74	22.58	1.96	24.54	<=33.00	Pass
		36	0	21.60	1.96	23.56	<=33.00	Pass
			18	21.62	1.96	23.58	<=33.00	Pass
			39	21.58	1.96	23.54	<=33.00	Pass
		75	0	21.61	1.96	23.57	<=33.00	Pass
	1882.5	1	0	22.54	1.96	24.50	<=33.00	Pass
			38	22.57	1.96	24.53	<=33.00	Pass
			74	22.42	1.96	24.38	<=33.00	Pass
		36	0	21.56	1.96	23.52	<=33.00	Pass
			18	21.53	1.96	23.49	<=33.00	Pass
			39	21.45	1.96	23.41	<=33.00	Pass
		75	0	21.53	1.96	23.49	<=33.00	Pass
	1907.5	1	0	22.67	1.96	24.63	<=33.00	Pass
			38	22.78	1.96	24.74	<=33.00	Pass
			74	22.65	1.96	24.61	<=33.00	Pass
		36	0	21.39	1.96	23.35	<=33.00	Pass
			18	21.40	1.96	23.36	<=33.00	Pass
			39	21.28	1.96	23.24	<=33.00	Pass
		75	0	21.39	1.96	23.35	<=33.00	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

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	23.42	1.96	25.38	<=33.00	Pass
			50	23.65	1.96	25.61	<=33.00	Pass
			99	23.38	1.96	25.34	<=33.00	Pass
		50	0	22.59	1.96	24.55	<=33.00	Pass
			25	22.56	1.96	24.52	<=33.00	Pass
			50	22.53	1.96	24.49	<=33.00	Pass
		100	0	22.54	1.96	24.50	<=33.00	Pass
			0	23.31	1.96	25.27	<=33.00	Pass
	1882.5	1	50	23.58	1.96	25.54	<=33.00	Pass
			99	23.11	1.96	25.07	<=33.00	Pass
			0	22.48	1.96	24.44	<=33.00	Pass
		50	25	22.48	1.96	24.44	<=33.00	Pass
			50	22.35	1.96	24.31	<=33.00	Pass
			0	22.44	1.96	24.40	<=33.00	Pass
	1905	1	0	23.16	1.96	25.12	<=33.00	Pass
			50	23.43	1.96	25.39	<=33.00	Pass
			99	23.18	1.96	25.14	<=33.00	Pass
		50	0	22.26	1.96	24.22	<=33.00	Pass
			25	22.30	1.96	24.26	<=33.00	Pass



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16QAM			50	22.18	1.96	24.14	<=33.00	Pass
		100	0	22.22	1.96	24.18	<=33.00	Pass
	1860	1	0	22.58	1.96	24.54	<=33.00	Pass
			50	22.94	1.96	24.90	<=33.00	Pass
			99	22.58	1.96	24.54	<=33.00	Pass
		50	0	21.64	1.96	23.60	<=33.00	Pass
			25	21.61	1.96	23.57	<=33.00	Pass
			50	21.53	1.96	23.49	<=33.00	Pass
		100	0	21.62	1.96	23.58	<=33.00	Pass
	1882.5	1	0	22.81	1.96	24.77	<=33.00	Pass
			50	22.99	1.96	24.95	<=33.00	Pass
			99	22.64	1.96	24.60	<=33.00	Pass
		50	0	21.56	1.96	23.52	<=33.00	Pass
			25	21.56	1.96	23.52	<=33.00	Pass
			50	21.48	1.96	23.44	<=33.00	Pass
		100	0	21.45	1.96	23.41	<=33.00	Pass
	1905	1	0	22.43	1.96	24.39	<=33.00	Pass
			50	22.72	1.96	24.68	<=33.00	Pass
			99	22.38	1.96	24.34	<=33.00	Pass
		50	0	21.33	1.96	23.29	<=33.00	Pass
			25	21.39	1.96	23.35	<=33.00	Pass
			50	21.24	1.96	23.20	<=33.00	Pass
		100	0	21.32	1.96	23.28	<=33.00	Pass

Note1: EIRP=Conducted Power+Antenna Gain



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2. Frequency Stability

2.6 B25_20MHz

2.6.1 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	8	-4.741	-0.0025	/	Pass
					12	0.607	0.0003	/	Pass
					16	0.798	0.0004	/	Pass
				-30	12	0.620	0.0003	/	Pass
				-20	12	-0.545	-0.0003	/	Pass
				-10	12	-5.290	-0.0028	/	Pass
				0	12	0.383	0.0002	/	Pass
				10	12	0.125	0.0001	/	Pass
				30	12	-0.348	-0.0002	/	Pass
				40	12	-0.877	-0.0005	/	Pass
	50	12	-2.095	-0.0011	/	Pass			
	1882.5	100	0	20	8	-6.315	-0.0034	/	Pass
					12	-3.526	-0.0019	/	Pass
					16	-6.706	-0.0036	/	Pass
				-30	12	-1.814	-0.0010	/	Pass
				-20	12	-6.673	-0.0035	/	Pass
				-10	12	-1.310	-0.0007	/	Pass
				0	12	-4.503	-0.0024	/	Pass
				10	12	-5.207	-0.0028	/	Pass
				30	12	-3.717	-0.0020	/	Pass
				40	12	-1.899	-0.0010	/	Pass
	50	12	-6.692	-0.0036	/	Pass			
	1905	100	0	20	8	-8.560	-0.0045	/	Pass
					12	-8.367	-0.0044	/	Pass
					16	-4.424	-0.0023	/	Pass
				-30	12	-2.329	-0.0012	/	Pass
				-20	12	-4.769	-0.0025	/	Pass
				-10	12	-6.974	-0.0037	/	Pass
				0	12	-6.739	-0.0035	/	Pass
				10	12	-13.235	-0.0069	/	Pass
30				12	-4.979	-0.0026	/	Pass	
40				12	-3.215	-0.0017	/	Pass	
50	12	-8.994	-0.0047	/	Pass				
16QAM	1860	100	0	20	8	-3.082	-0.0017	/	Pass
					12	-0.995	-0.0005	/	Pass
					16	-4.354	-0.0023	/	Pass
				-30	12	1.176	0.0006	/	Pass
				-20	12	0.589	0.0003	/	Pass
				-10	12	0.968	0.0005	/	Pass



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				0	12	-3.409	-0.0018	/	Pass
				10	12	-0.710	-0.0004	/	Pass
				30	12	-1.890	-0.0010	/	Pass
				40	12	-1.790	-0.0010	/	Pass
				50	12	-1.045	-0.0006	/	Pass
	1882.5	100	0	20	8	-8.081	-0.0043	/	Pass
					12	-1.265	-0.0007	/	Pass
					16	-9.768	-0.0052	/	Pass
				-30	12	-2.234	-0.0012	/	Pass
				-20	12	-8.660	-0.0046	/	Pass
				-10	12	-8.269	-0.0044	/	Pass
				0	12	-7.164	-0.0038	/	Pass
				10	12	-6.904	-0.0037	/	Pass
				30	12	-8.497	-0.0045	/	Pass
				40	12	-6.001	-0.0032	/	Pass
				50	12	-5.005	-0.0027	/	Pass
	1905	100	0	20	8	-2.209	-0.0012	/	Pass
					12	-3.462	-0.0018	/	Pass
					16	-4.546	-0.0024	/	Pass
				-30	12	-5.284	-0.0028	/	Pass
				-20	12	-4.305	-0.0023	/	Pass
				-10	12	-9.689	-0.0051	/	Pass
				0	12	-5.323	-0.0028	/	Pass
				10	12	-7.750	-0.0041	/	Pass
				30	12	-3.339	-0.0018	/	Pass
				40	12	-4.450	-0.0023	/	Pass
				50	12	-9.849	-0.0052	/	Pass



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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	1.105	/	Pass
		1882.5	6	0	1.118	/	Pass
		1914.3	6	0	1.113	/	Pass
	16QAM	1850.7	6	0	1.111	/	Pass
		1882.5	6	0	1.110	/	Pass
		1914.3	6	0	1.112	/	Pass
3	QPSK	1851.5	15	0	2.720	/	Pass
		1882.5	15	0	2.727	/	Pass
		1913.5	15	0	2.728	/	Pass
	16QAM	1851.5	15	0	2.722	/	Pass
		1882.5	15	0	2.723	/	Pass
		1913.5	15	0	2.718	/	Pass
5	QPSK	1852.5	25	0	4.584	/	Pass
		1882.5	25	0	4.565	/	Pass
		1912.5	25	0	4.567	/	Pass
	16QAM	1852.5	25	0	4.567	/	Pass
		1882.5	25	0	4.591	/	Pass
		1912.5	25	0	4.566	/	Pass
10	QPSK	1855	50	0	9.069	/	Pass
		1882.5	50	0	9.061	/	Pass
		1910	50	0	9.087	/	Pass
	16QAM	1855	50	0	9.061	/	Pass
		1882.5	50	0	9.072	/	Pass
		1910	50	0	9.071	/	Pass
15	QPSK	1857.5	75	0	13.620	/	Pass
		1882.5	75	0	13.584	/	Pass
		1907.5	75	0	13.560	/	Pass
	16QAM	1857.5	75	0	13.627	/	Pass
		1882.5	75	0	13.601	/	Pass
		1907.5	75	0	13.620	/	Pass
20	QPSK	1860	100	0	18.135	/	Pass
		1882.5	100	0	18.122	/	Pass
		1905	100	0	18.120	/	Pass
	16QAM	1860	100	0	18.106	/	Pass
		1882.5	100	0	18.096	/	Pass
		1905	100	0	18.095	/	Pass



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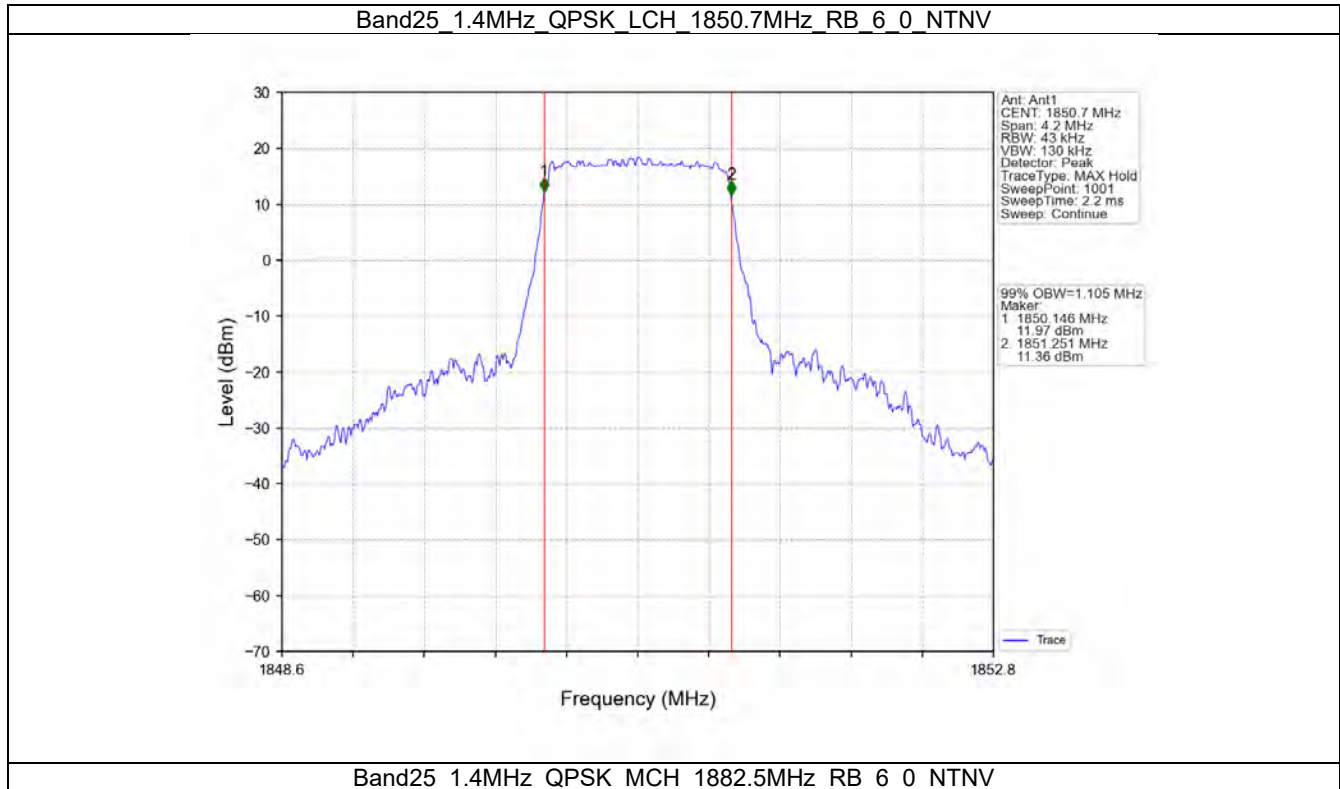
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3.1.2 Test Graph



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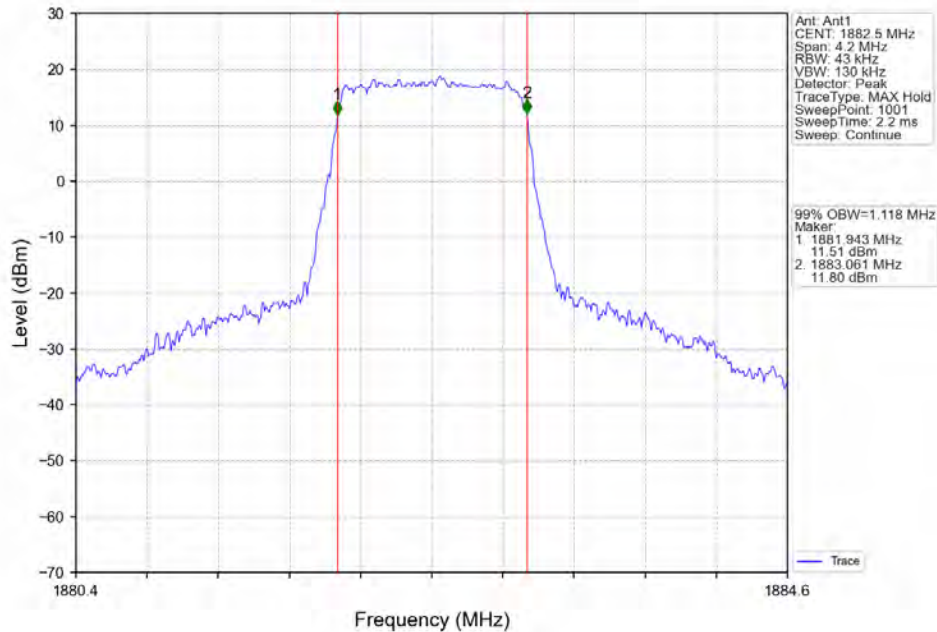
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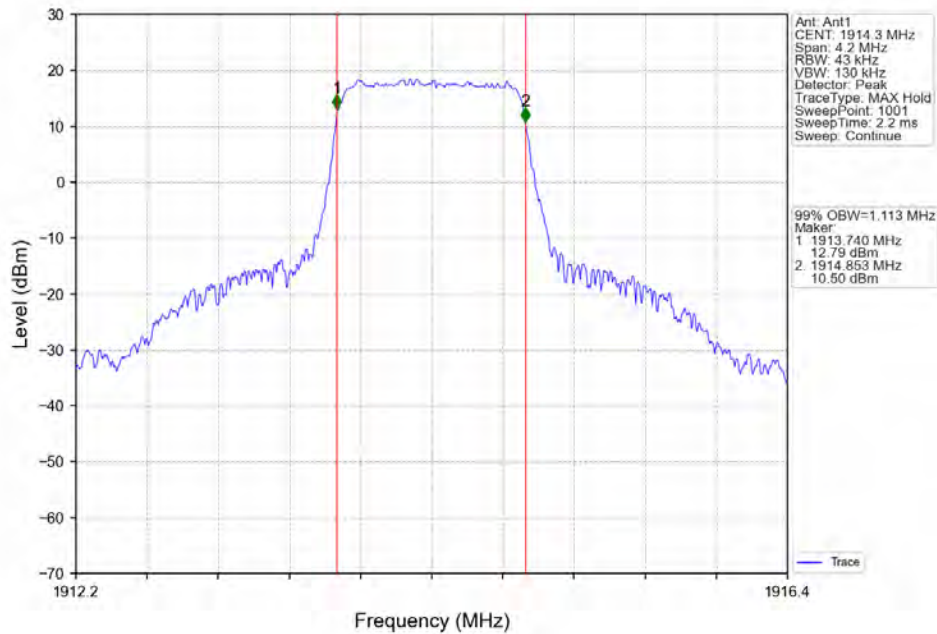
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Band25 1.4MHz QPSK HCH 1914.3MHz RB 6 0 NTN



Band25 1.4MHz 16QAM LCH 1850.7MHz RB 6 0 NTN



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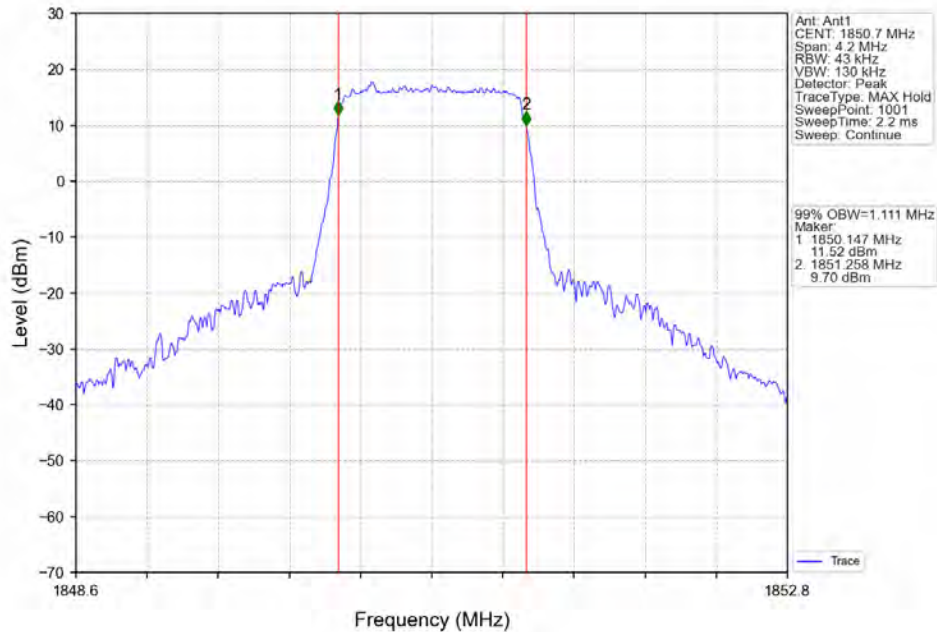
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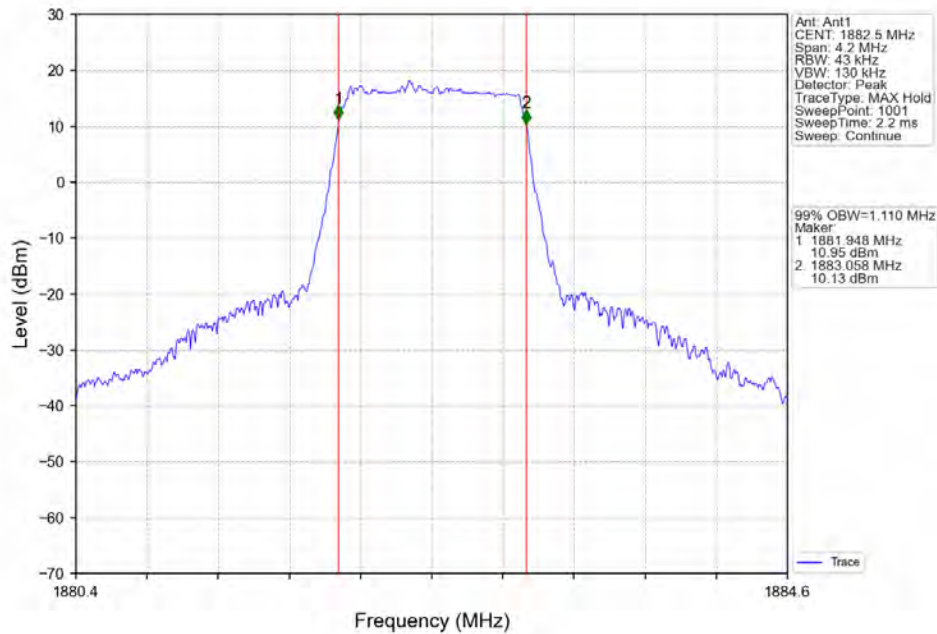
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Band25_1.4MHz_16QAM_HCH_1914.3MHz_RB_6_0_NTNV



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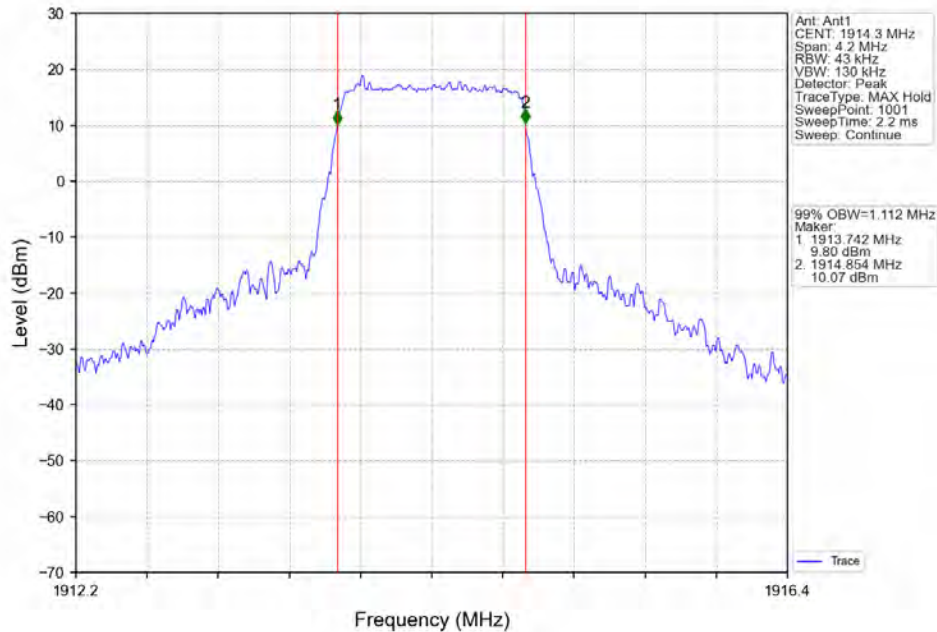
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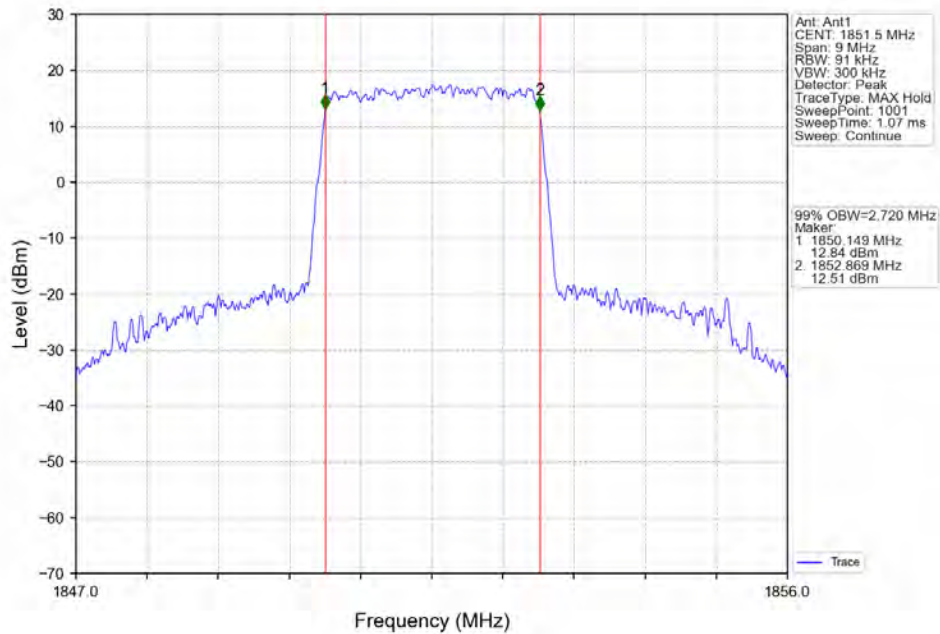
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Band25_3MHz_QPSK_MCH_1882.5MHz_RB_15_0_NTNV



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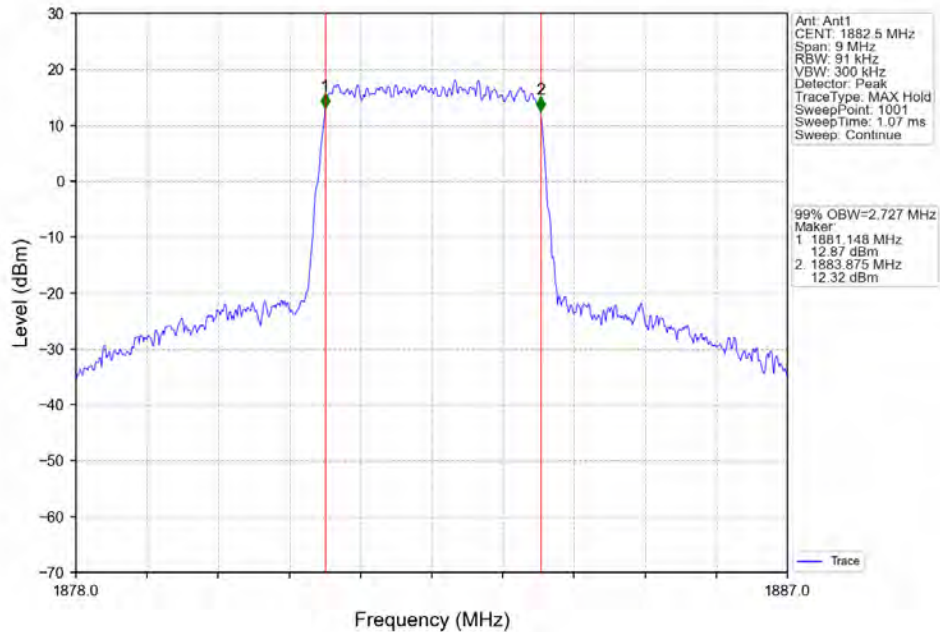
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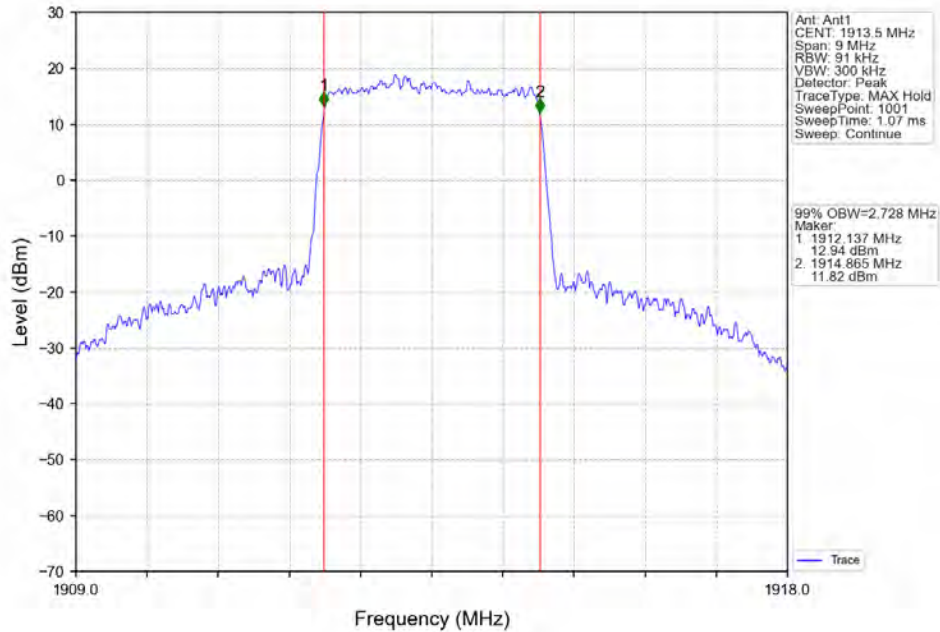
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Band25_3MHz_16QAM_LCH_1851.5MHz_RB_15_0_NTNV



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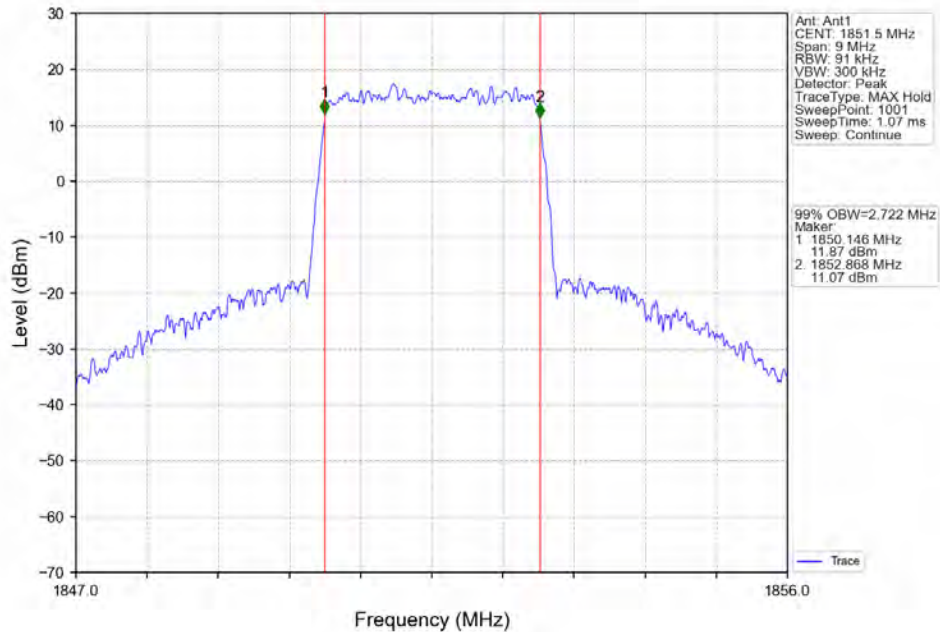
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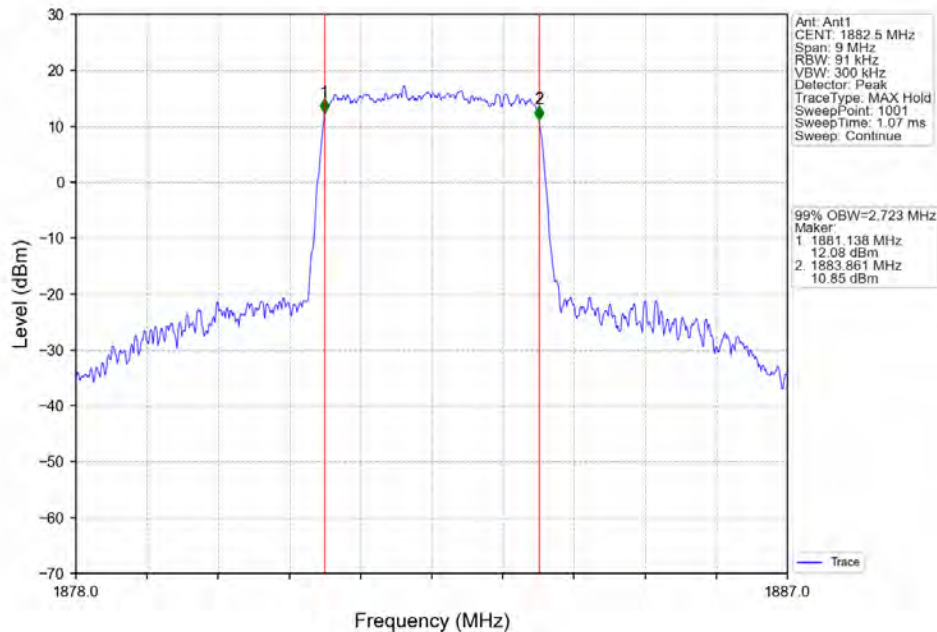
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Band25_3MHz_16QAM_HCH_1913.5MHz_RB_15_0_NTNV



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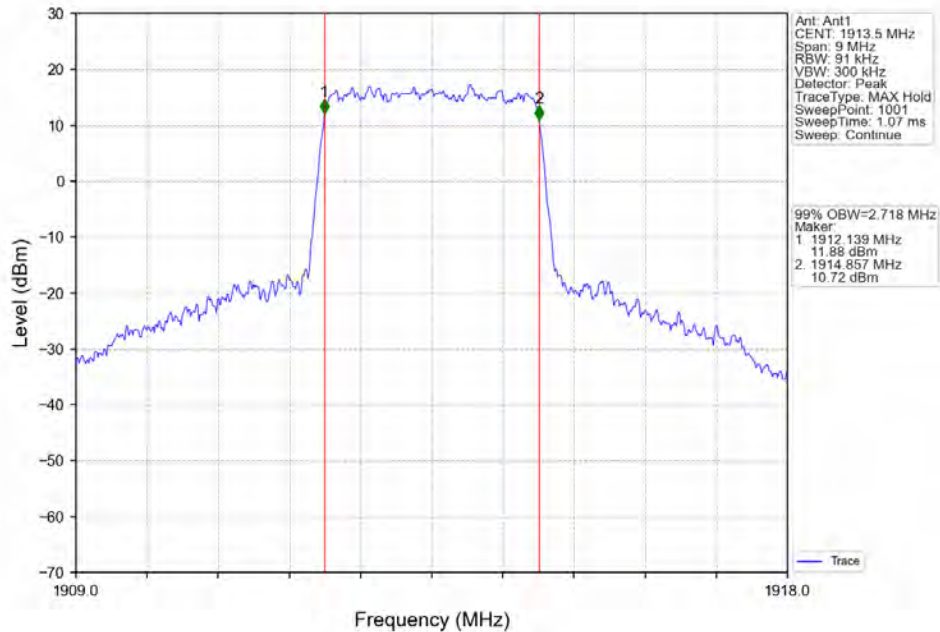
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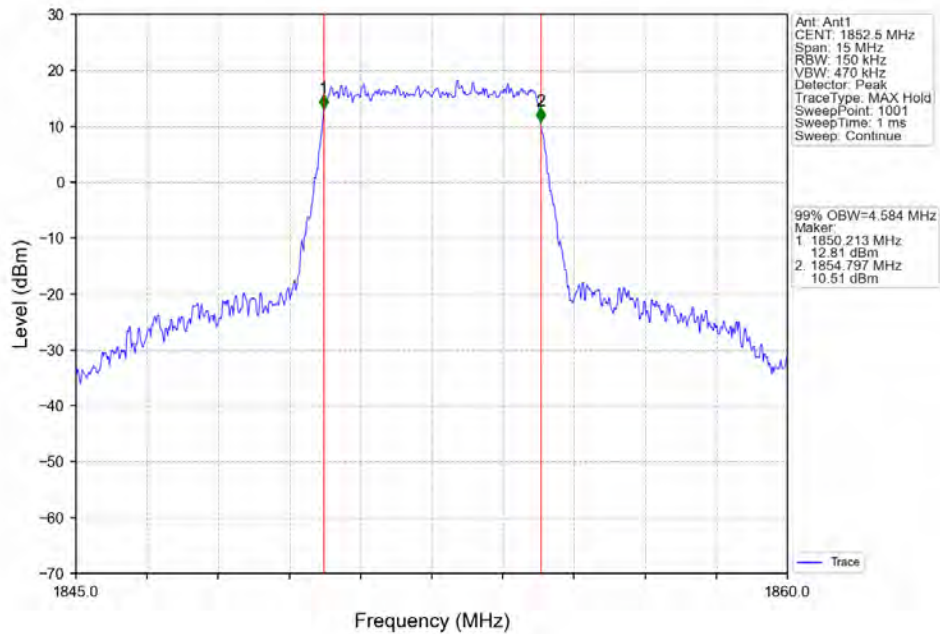
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Band25_5MHz_QPSK_MCH_1882.5MHz_RB_25_0_NTNV



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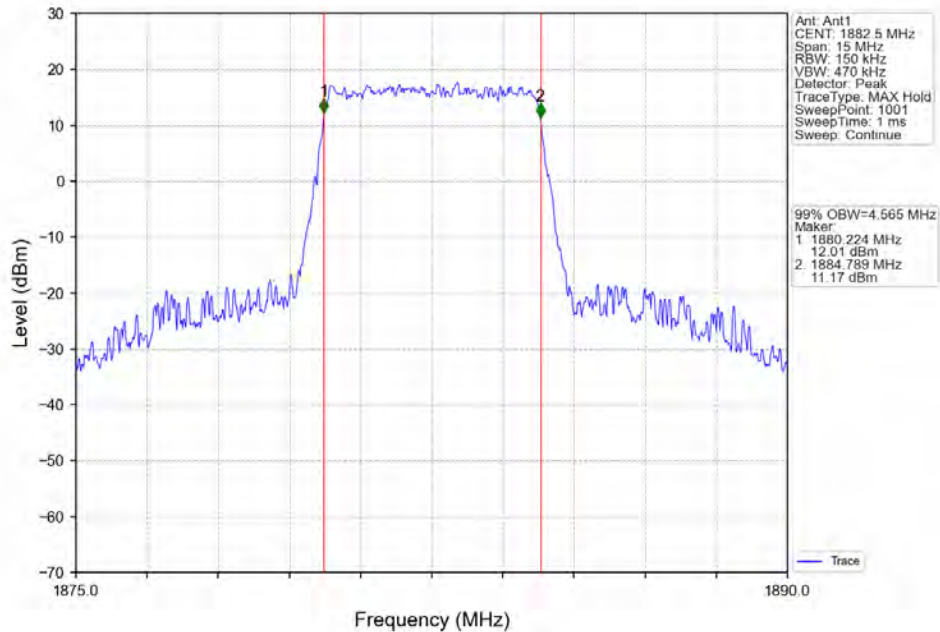
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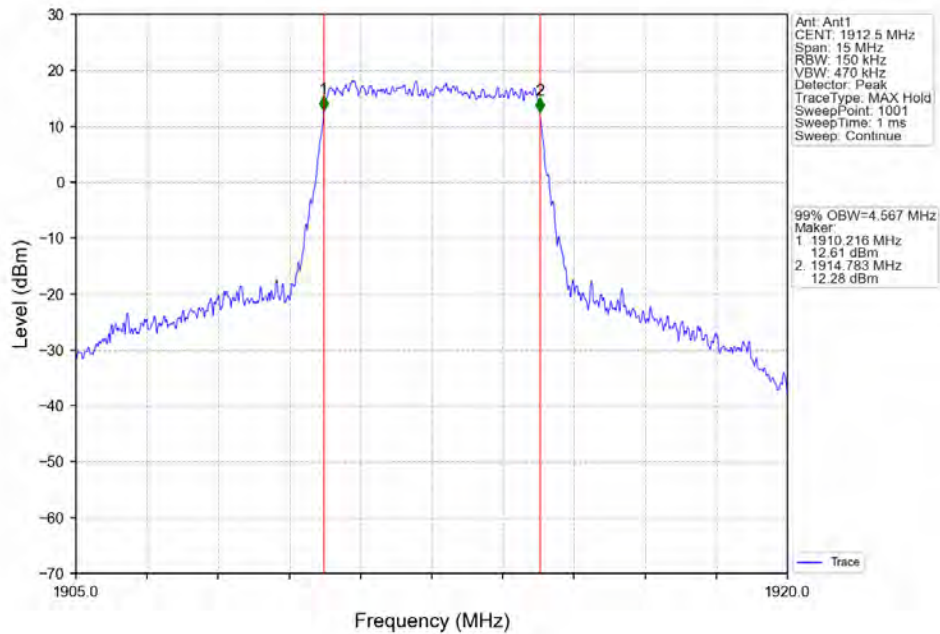
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Band25_5MHz_16QAM_LCH_1852.5MHz_RB_25_0_NTNV



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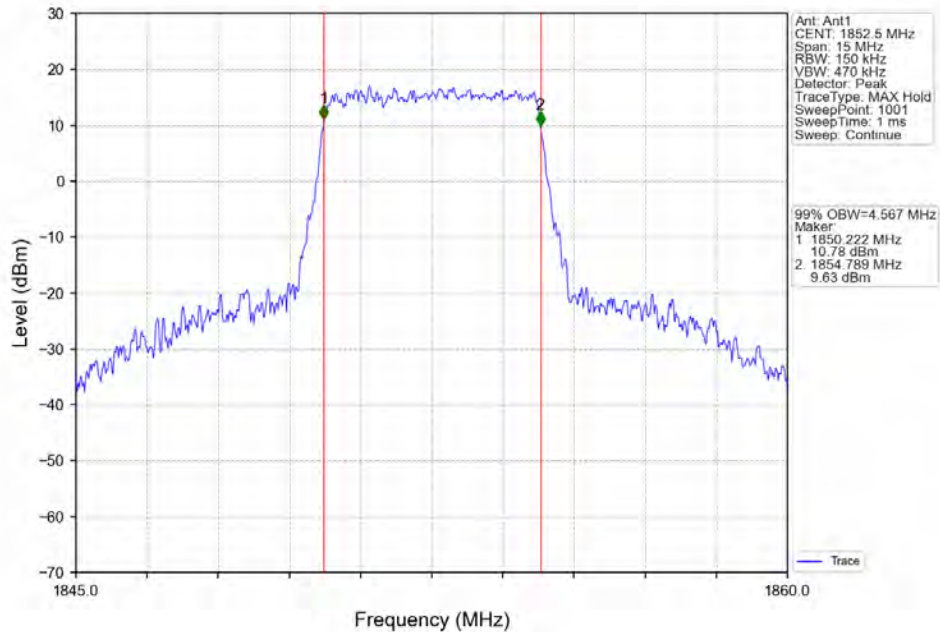
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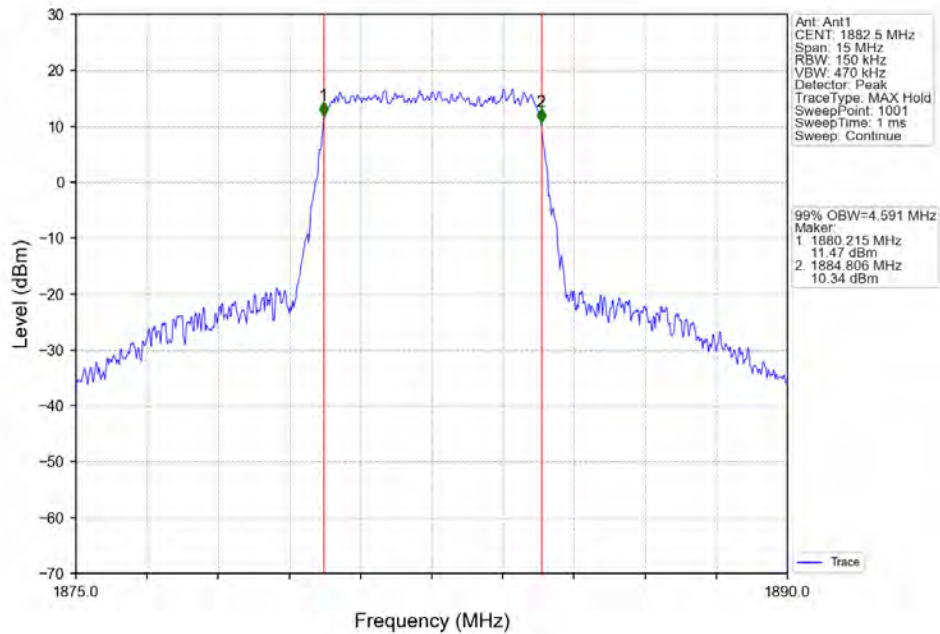
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Band25_5MHz_16QAM_HCH_1912.5MHz_RB_25_0_NTNV



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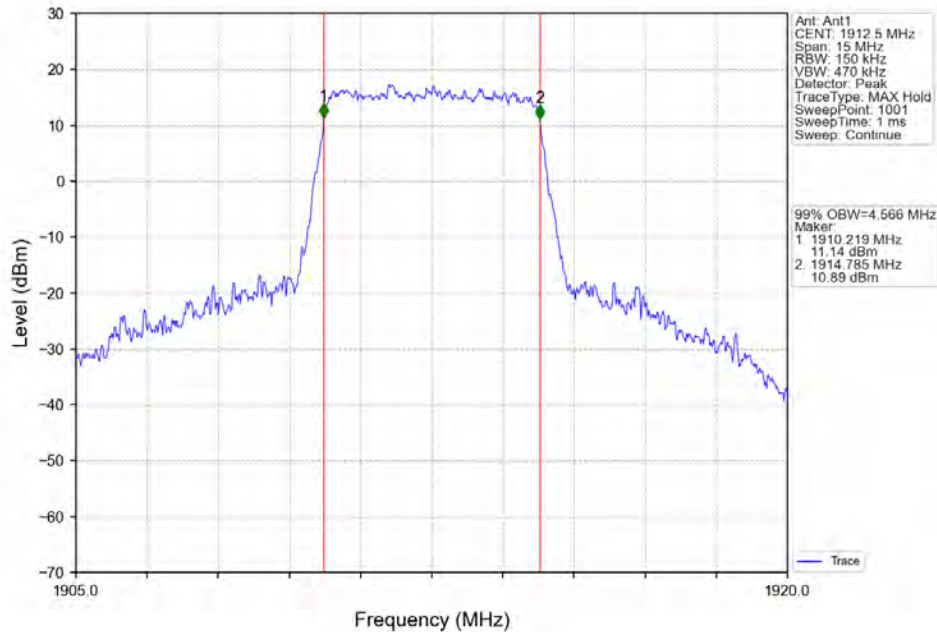
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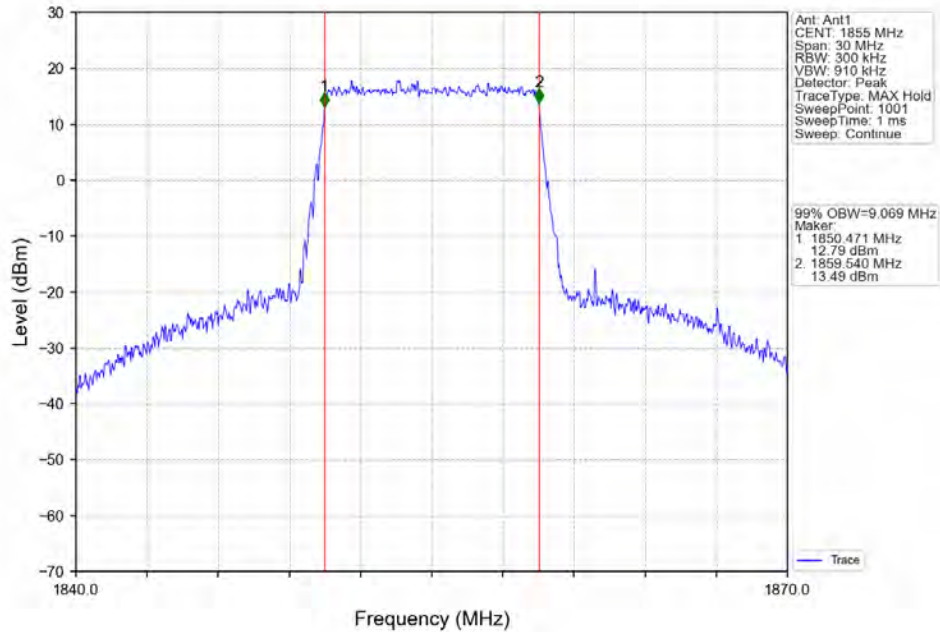
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Band25_10MHz_QPSK_MCH_1882.5MHz_RB_50_0_NTNV



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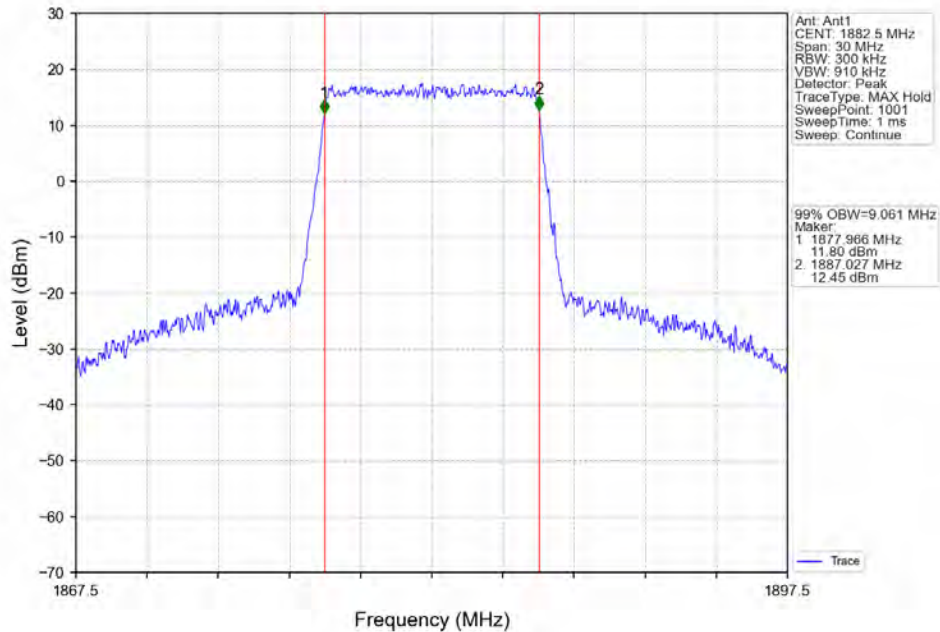
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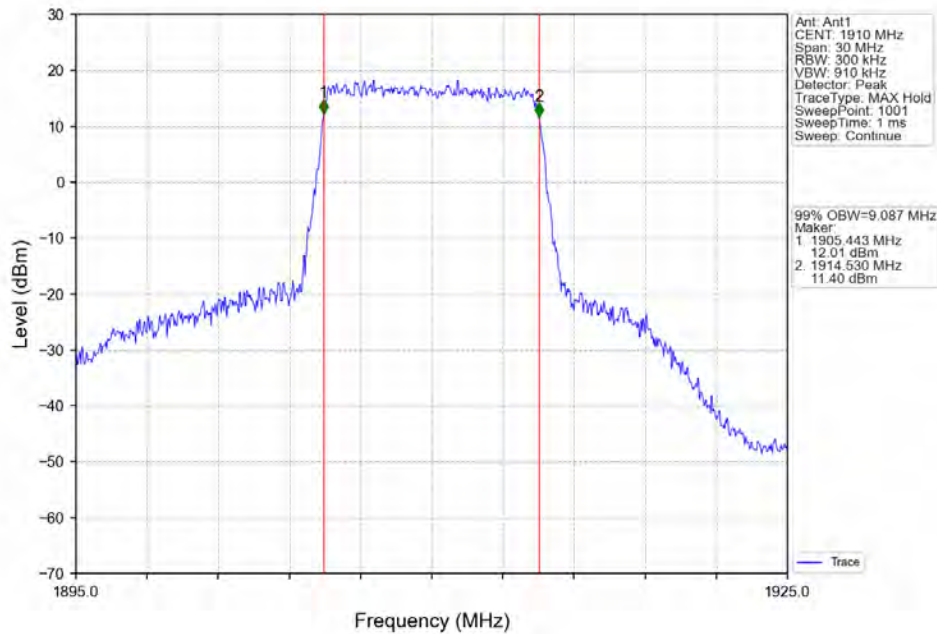
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Band25_10MHz_16QAM_LCH_1855MHz_RB_50_0_NTNV



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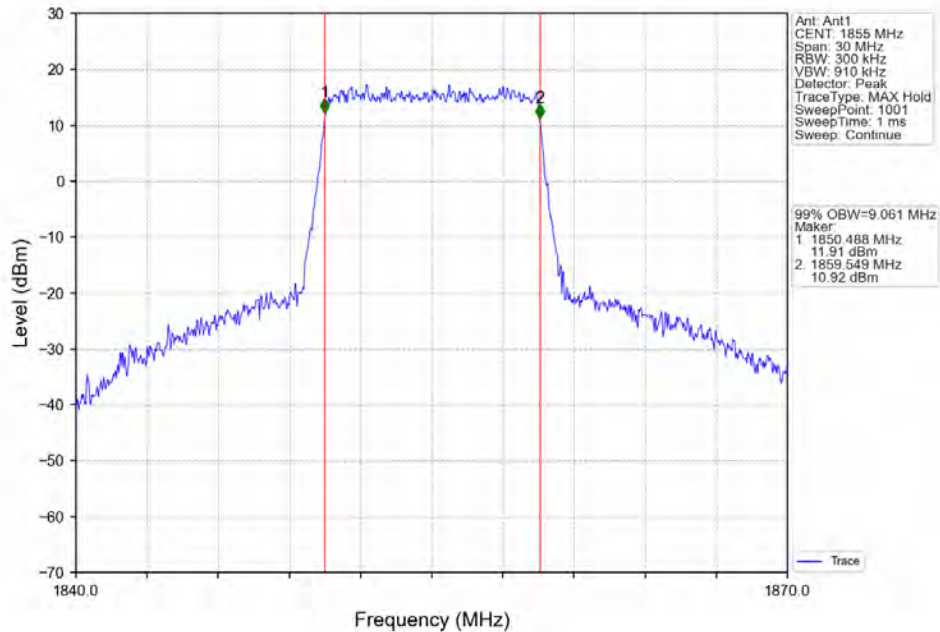
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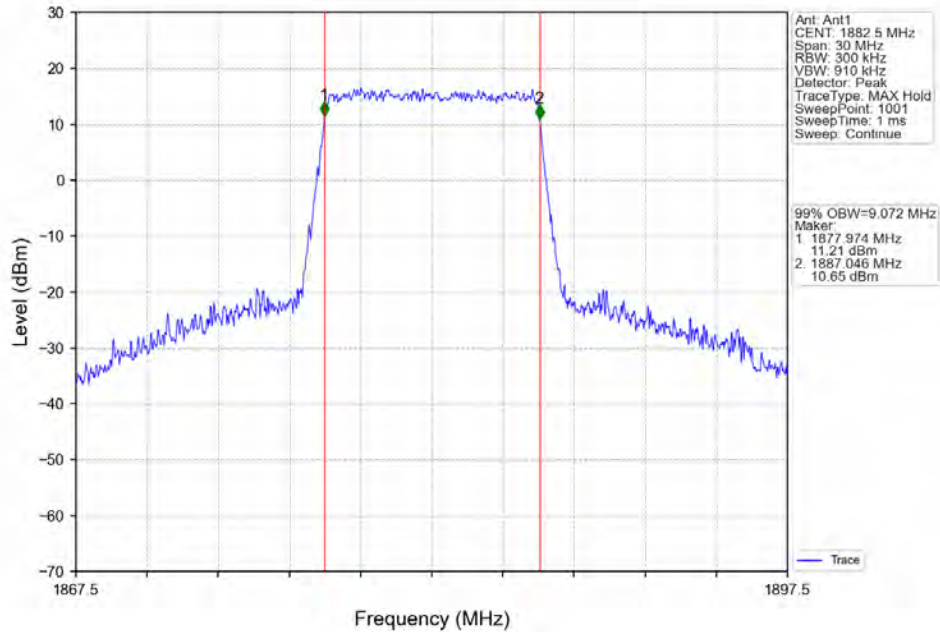
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Band25_10MHz_16QAM_MCH_1882.5MHz_RB_50_0_NTNV



Band25_10MHz_16QAM_HCH_1910MHz_RB_50_0_NTNV



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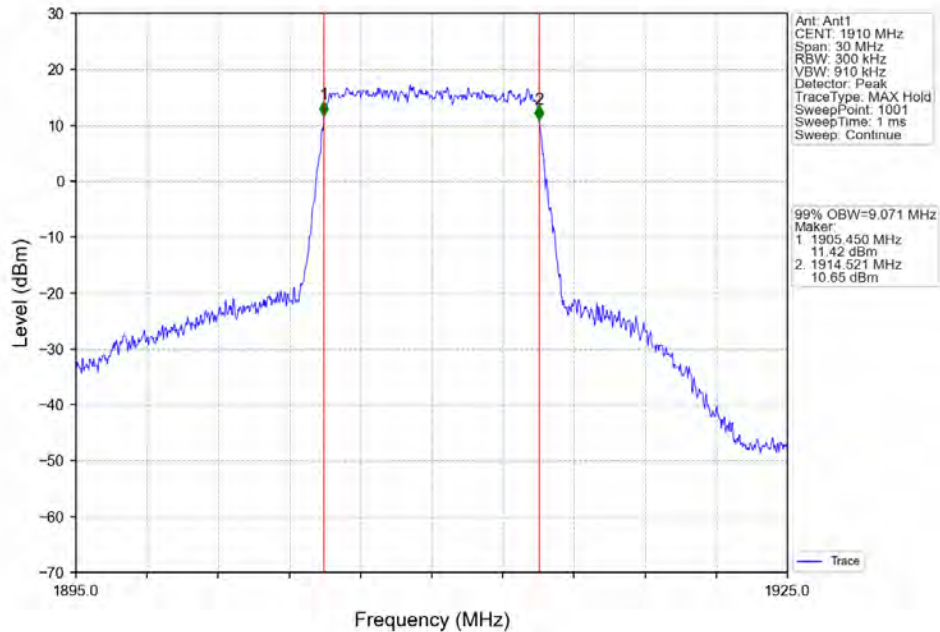
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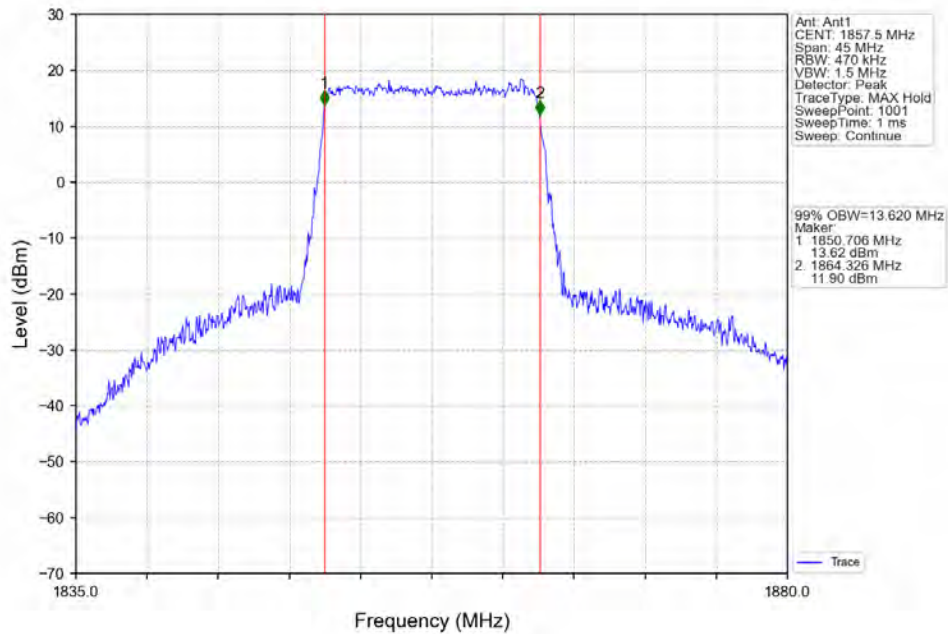
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Band25_15MHz_QPSK_MCH_1882.5MHz_RB_75_0_NTNV



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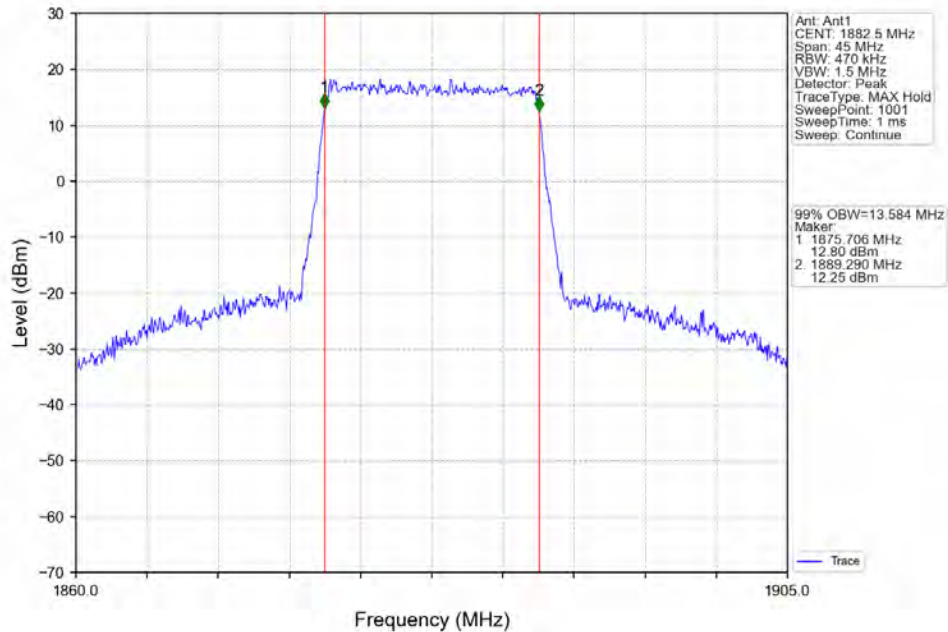
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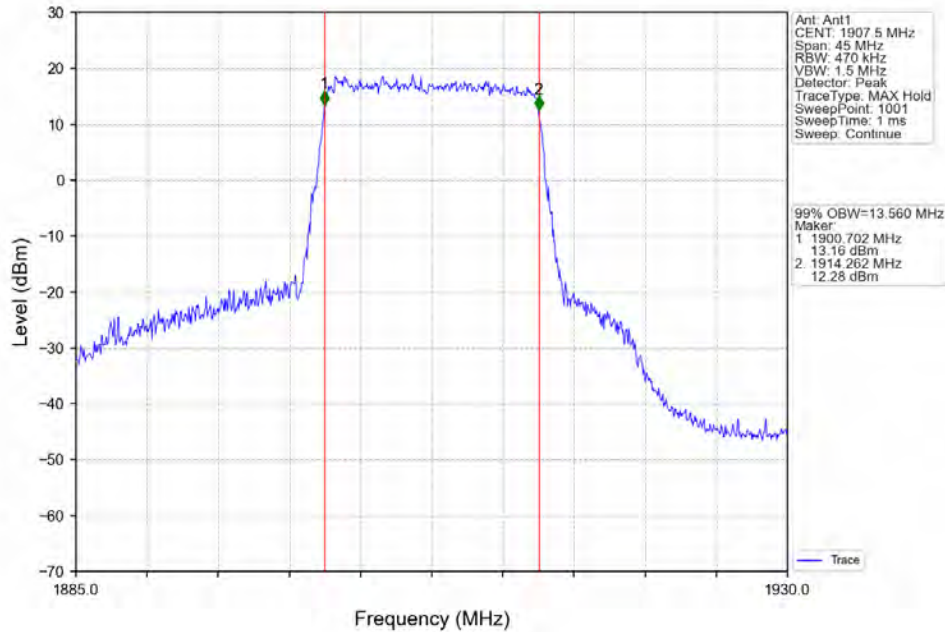
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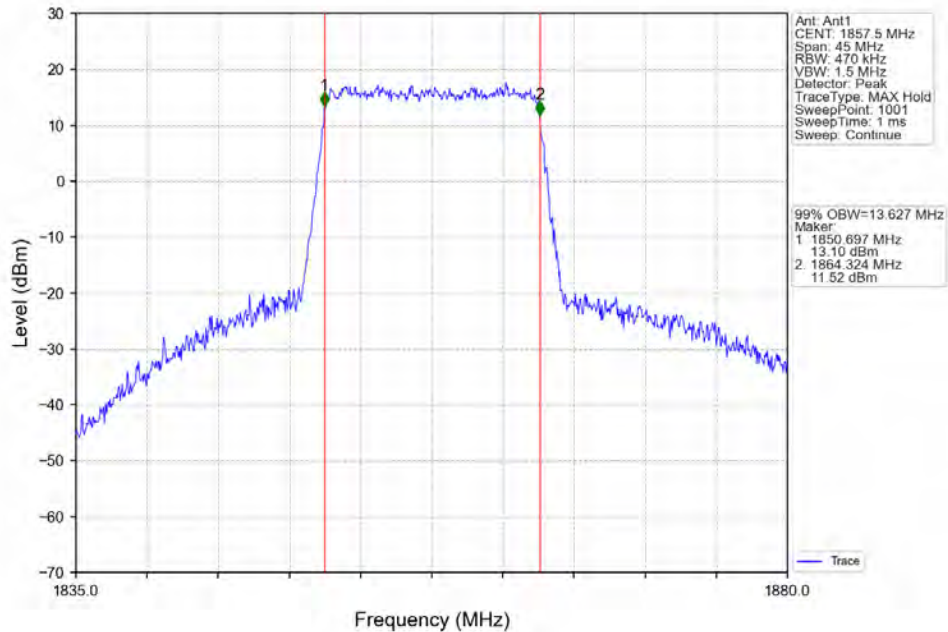
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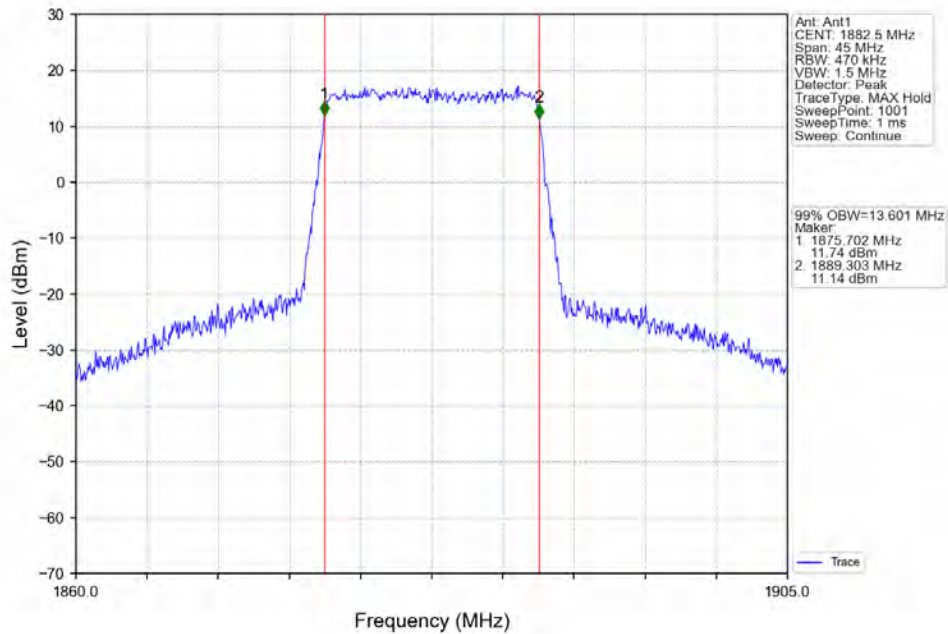
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Band25_15MHz_16QAM_MCH_1882.5MHz_RB_75_0_NTNV



Band25_15MHz_16QAM_HCH_1907.5MHz_RB_75_0_NTNV



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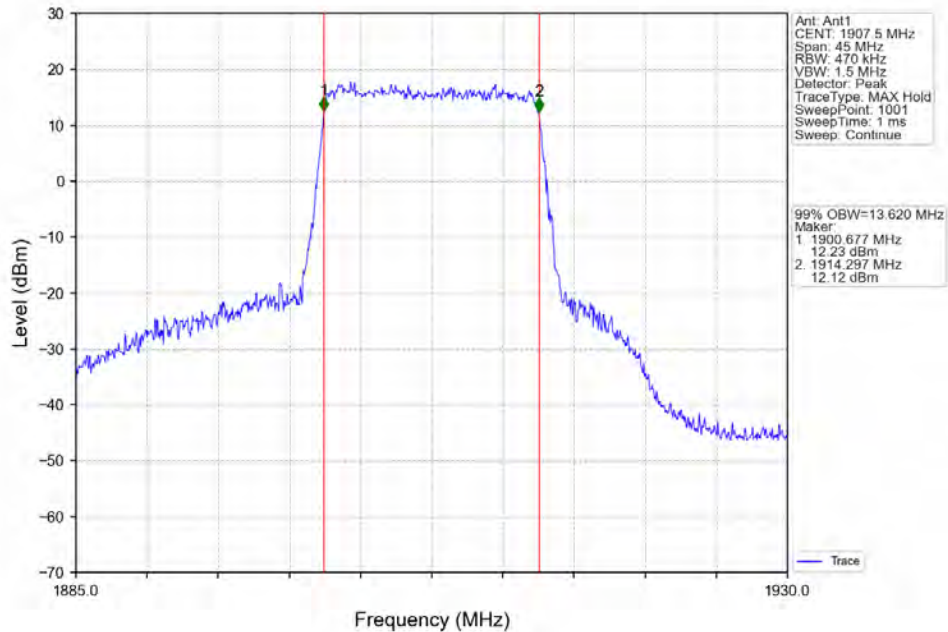
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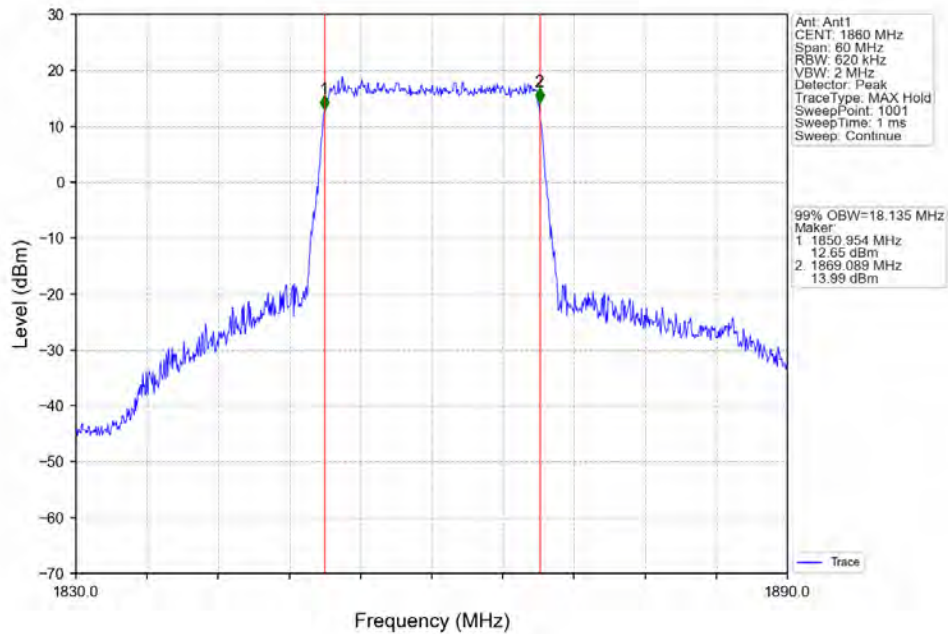
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Band25_20MHz_QPSK_LCH_1860MHz_RB_100_0_NTNV



Band25_20MHz_QPSK_MCH_1882.5MHz_RB_100_0_NTNV



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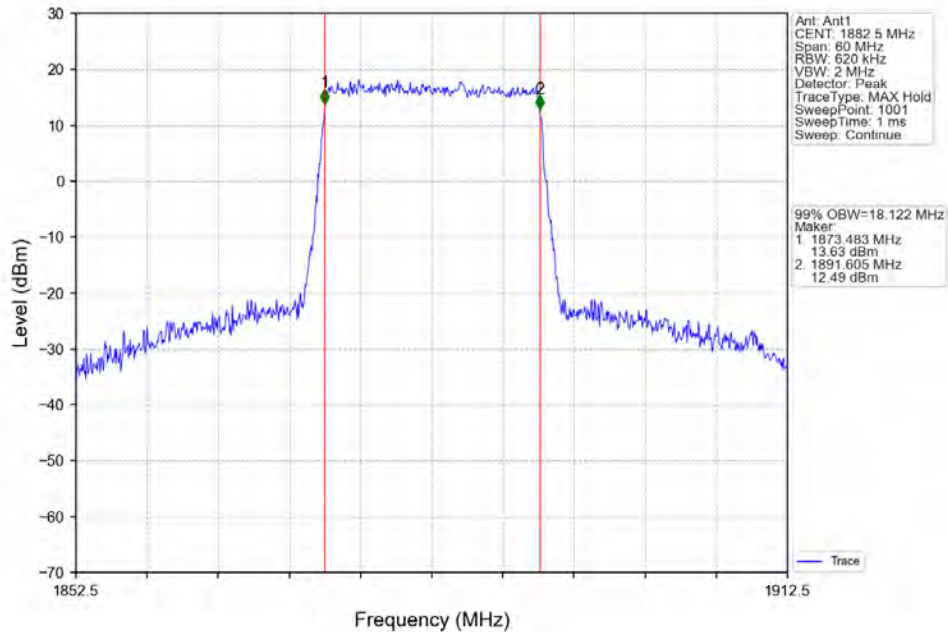
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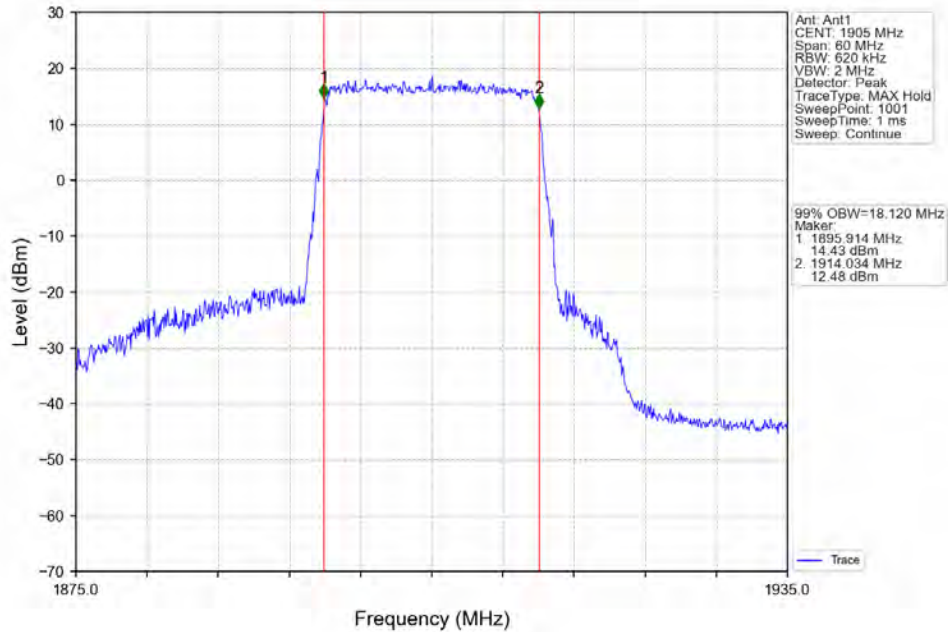
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Band25_20MHz_QPSK_HCH_1905MHz_RB_100_0_NTNV



Band25_20MHz_16QAM_LCH_1860MHz_RB_100_0_NTNV



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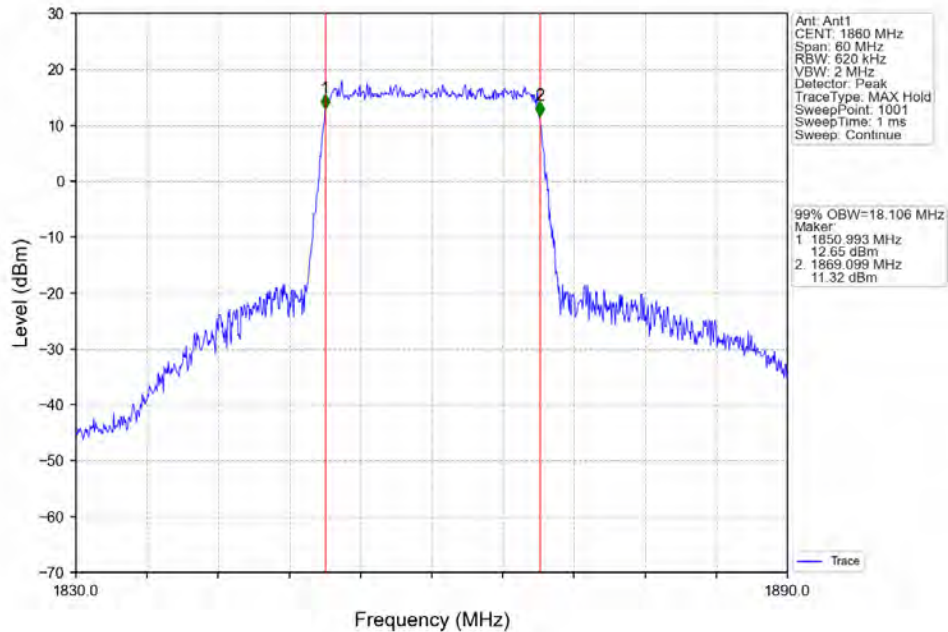
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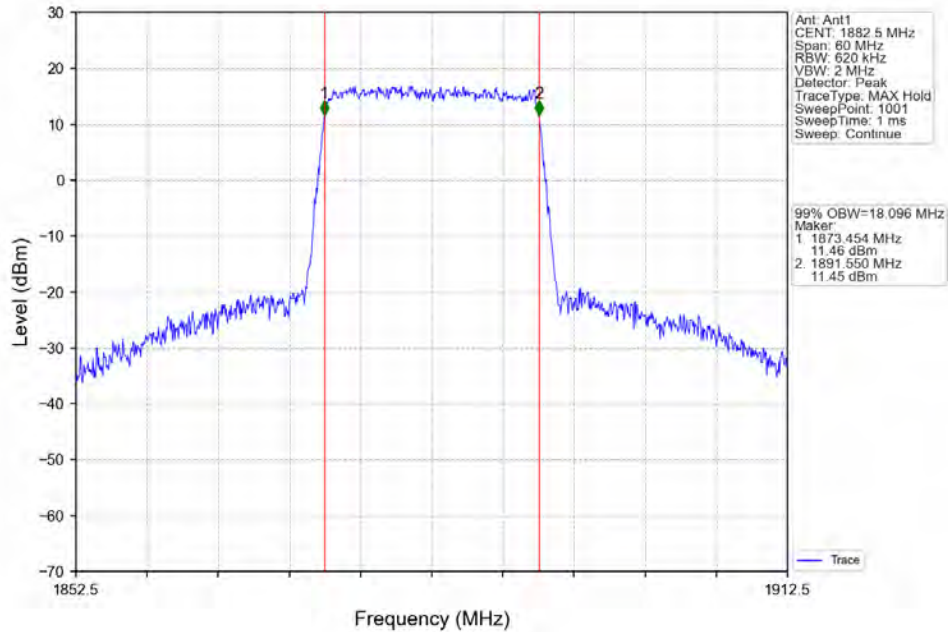
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Band25_20MHz_16QAM_MCH_1882.5MHz_RB_100_0_NTNV



Band25_20MHz_16QAM_HCH_1905MHz_RB_100_0_NTNV



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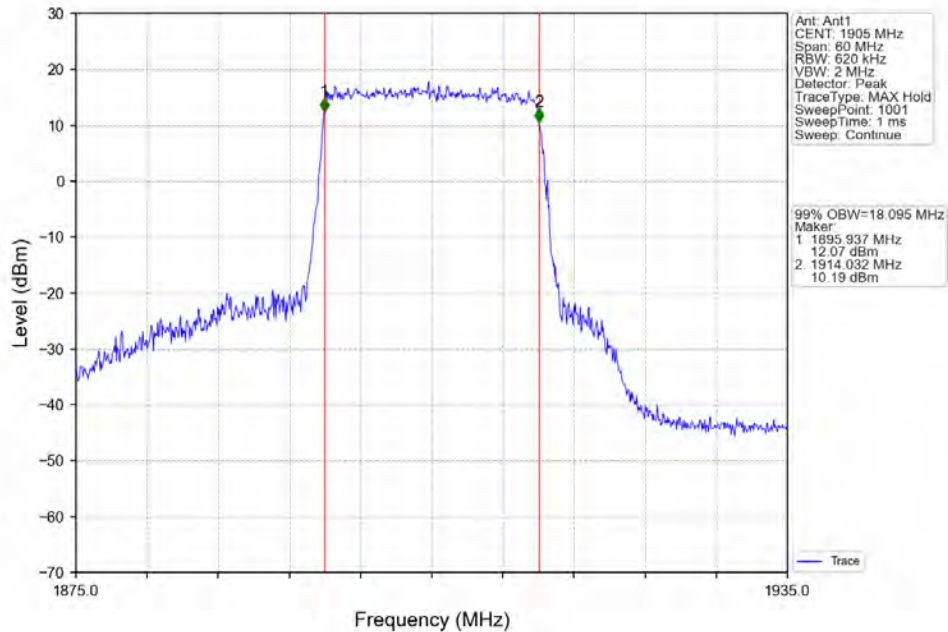
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3.2 Band25_XDB

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	1.327	/	Pass
		1882.5	6	0	1.313	/	Pass
		1914.3	6	0	1.325	/	Pass
	16QAM	1850.7	6	0	1.302	/	Pass
		1882.5	6	0	1.304	/	Pass
		1914.3	6	0	1.322	/	Pass
3	QPSK	1851.5	15	0	3.014	/	Pass
		1882.5	15	0	3.000	/	Pass
		1913.5	15	0	2.981	/	Pass
	16QAM	1851.5	15	0	3.013	/	Pass
		1882.5	15	0	2.969	/	Pass
		1913.5	15	0	3.011	/	Pass
5	QPSK	1852.5	25	0	5.286	/	Pass
		1882.5	25	0	5.225	/	Pass
		1912.5	25	0	5.265	/	Pass
	16QAM	1852.5	25	0	5.264	/	Pass
		1882.5	25	0	5.278	/	Pass
		1912.5	25	0	5.247	/	Pass
10	QPSK	1855	50	0	10.312	/	Pass
		1882.5	50	0	10.367	/	Pass
		1910	50	0	10.196	/	Pass
	16QAM	1855	50	0	10.246	/	Pass
		1882.5	50	0	10.296	/	Pass
		1910	50	0	10.256	/	Pass
15	QPSK	1857.5	75	0	15.282	/	Pass
		1882.5	75	0	15.206	/	Pass
		1907.5	75	0	15.288	/	Pass
	16QAM	1857.5	75	0	15.276	/	Pass
		1882.5	75	0	15.329	/	Pass
		1907.5	75	0	15.284	/	Pass
20	QPSK	1860	100	0	19.983	/	Pass
		1882.5	100	0	19.987	/	Pass
		1905	100	0	20.286	/	Pass
	16QAM	1860	100	0	20.084	/	Pass
		1882.5	100	0	20.023	/	Pass
		1905	100	0	19.924	/	Pass



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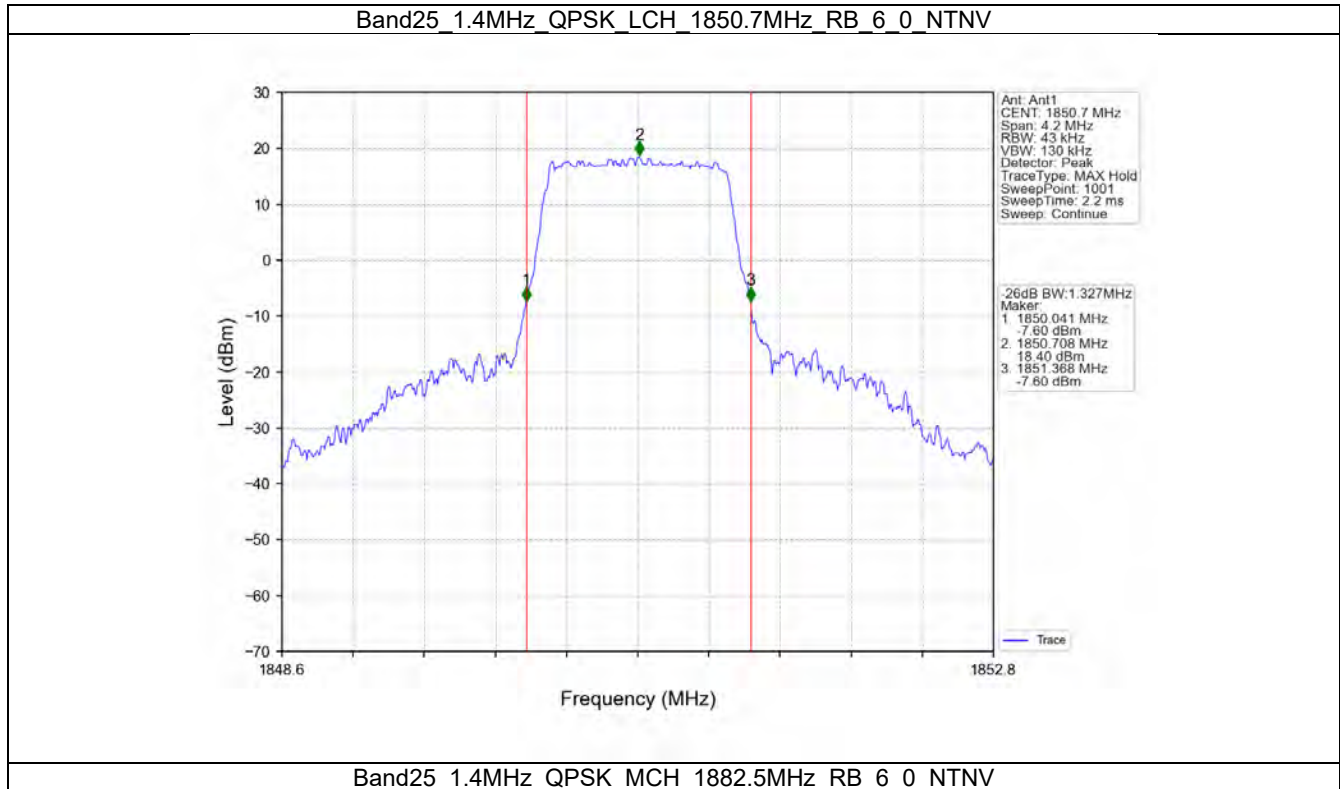
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3.2.2 Test Graph



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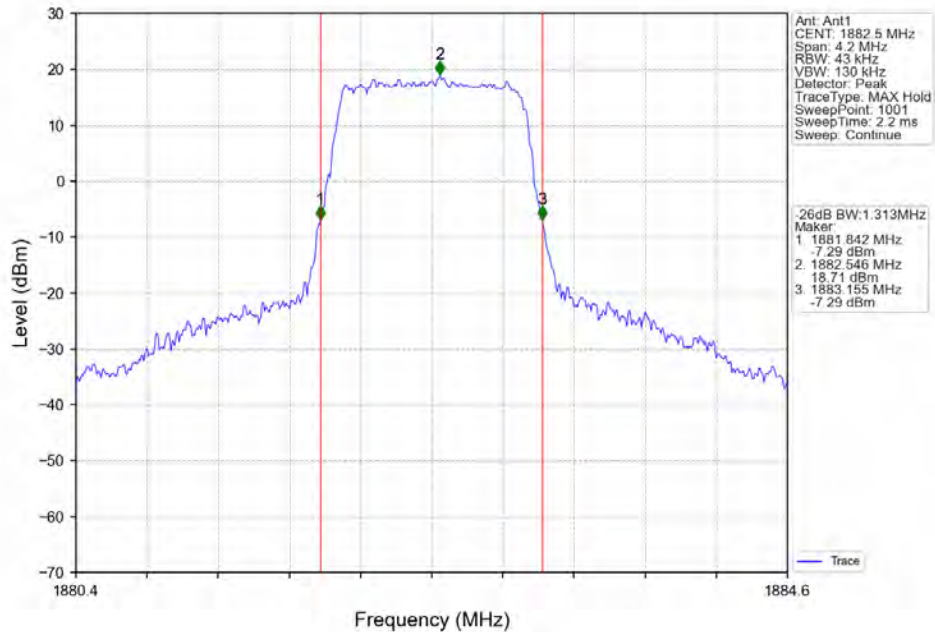
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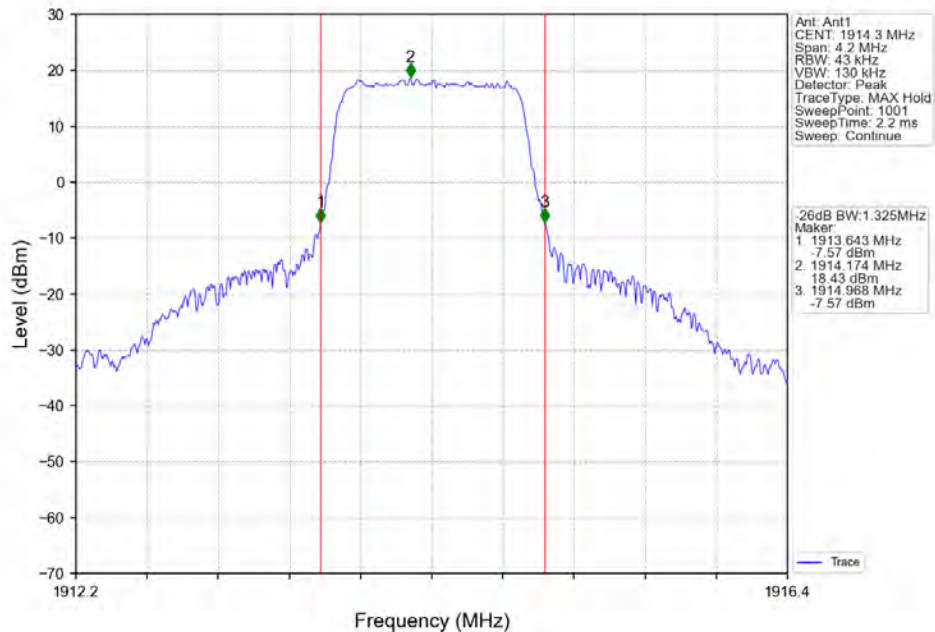
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Band25_1.4MHz_QPSK_HCH_1914.3MHz_RB_6_0_NTNV



Band25_1.4MHz_16QAM_LCH_1850.7MHz_RB_6_0_NTNV



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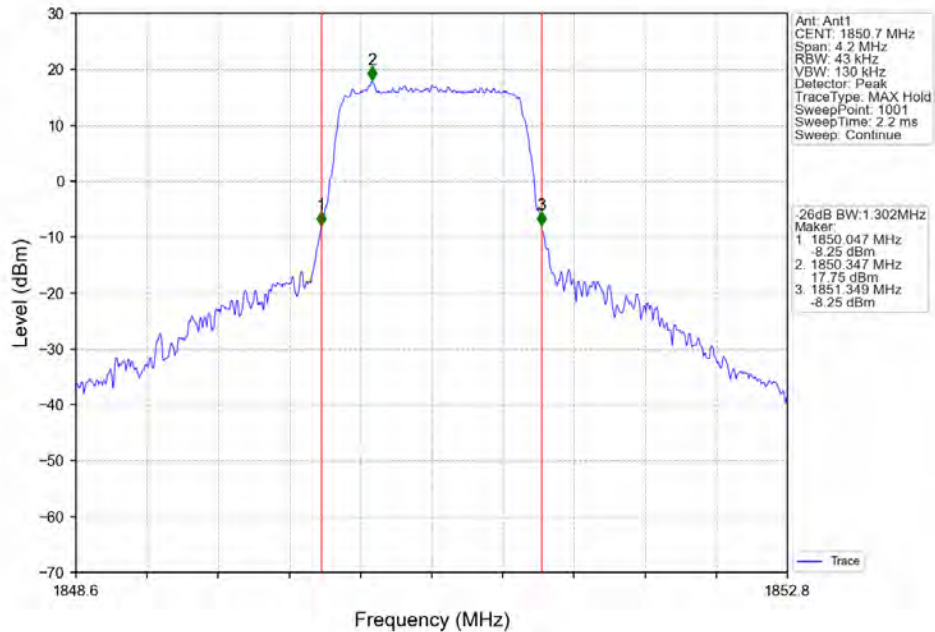
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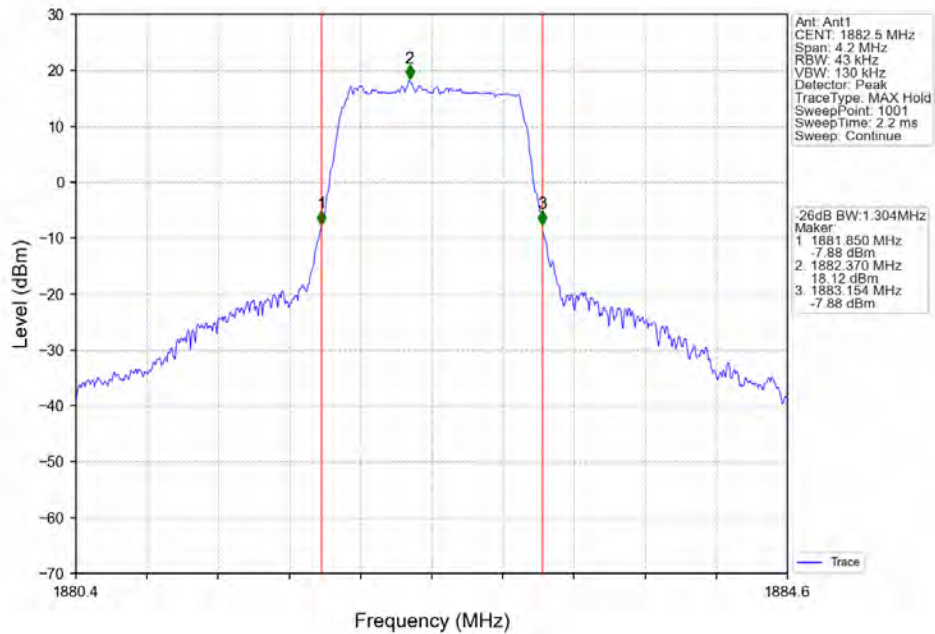
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Band25_1.4MHz_16QAM_HCH_1914.3MHz_RB_6_0_NTNV



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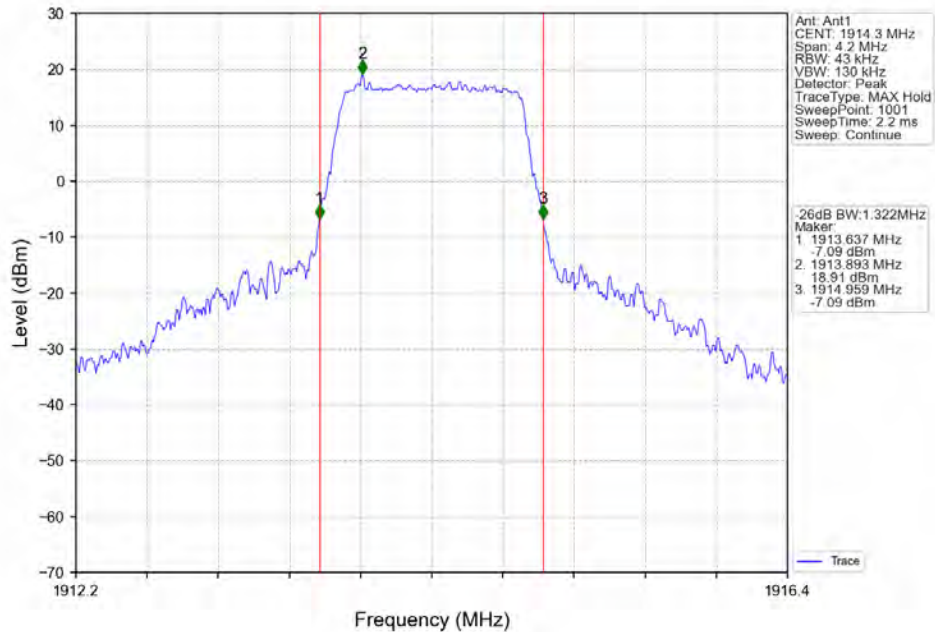
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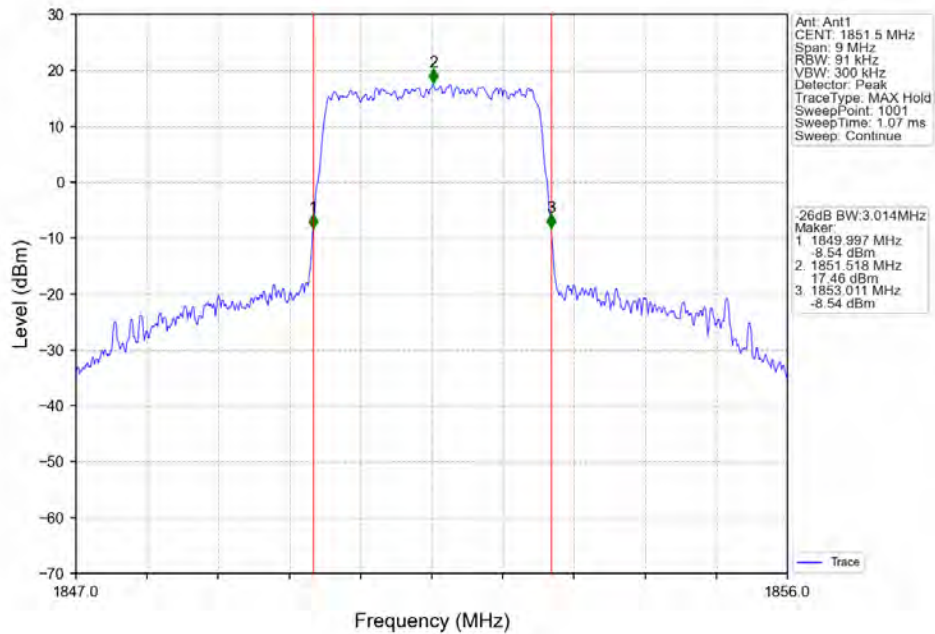
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Band25_3MHz_QPSK_MCH_1882.5MHz_RB_15_0_NTNV



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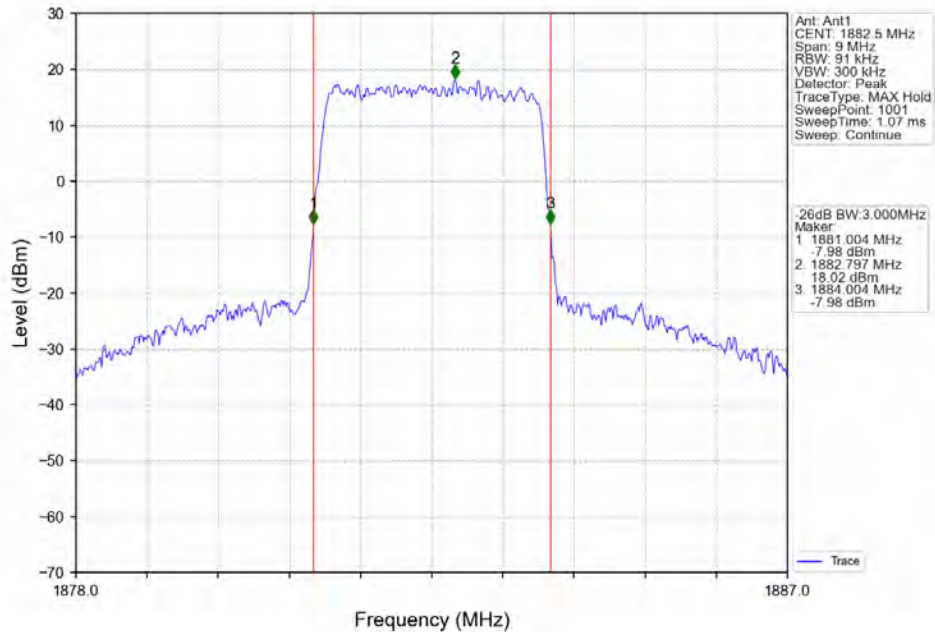
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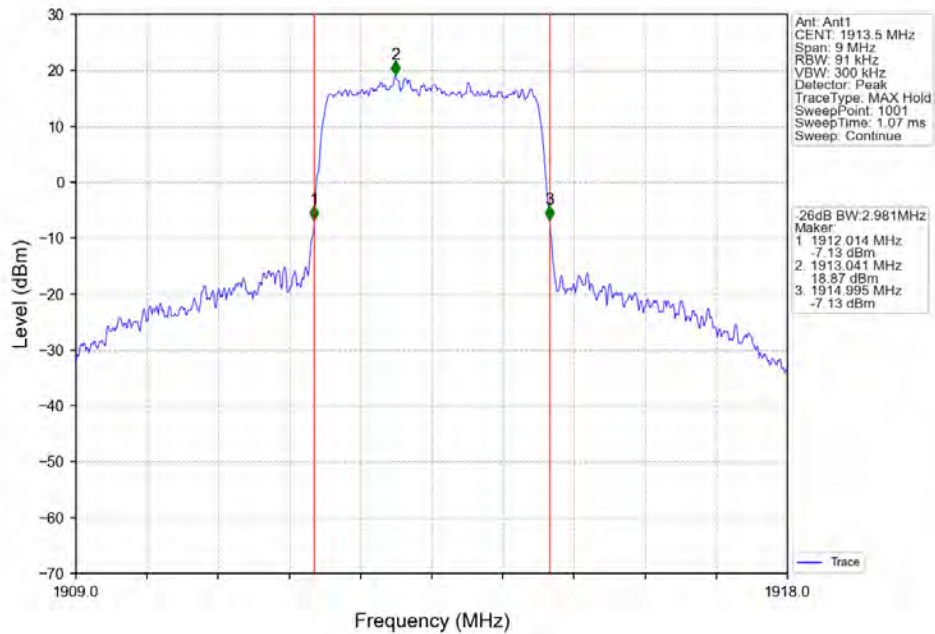
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Band25_3MHz_16QAM_LCH_1851.5MHz_RB_15_0_NTNV



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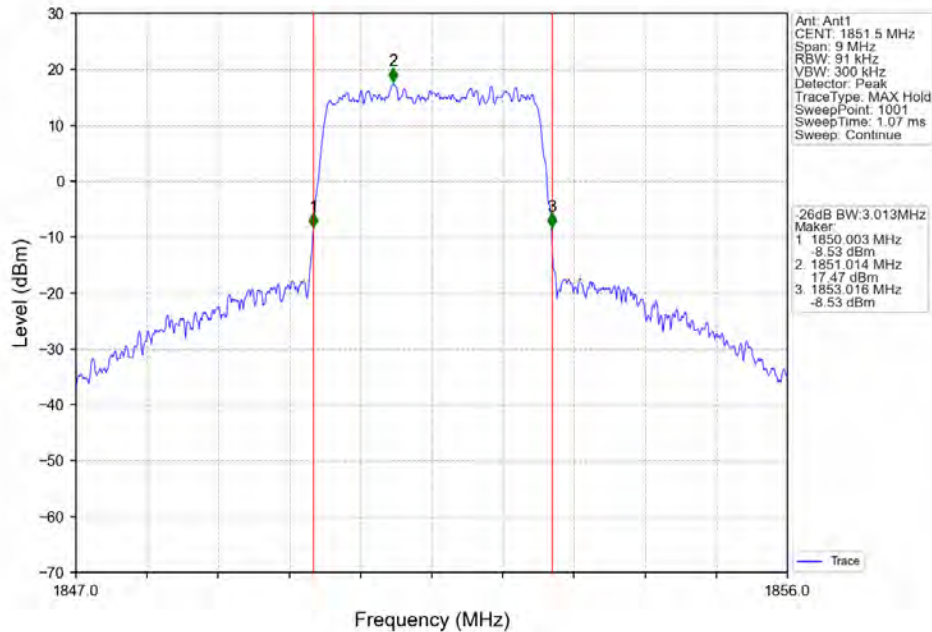
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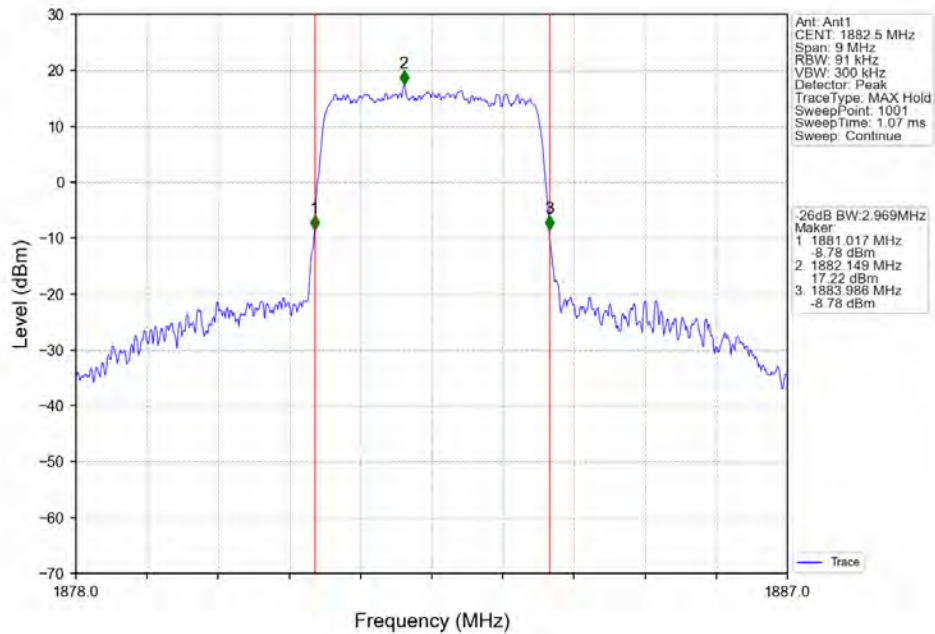
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Band25_3MHz_16QAM_HCH_1913.5MHz_RB_15_0_NTNV



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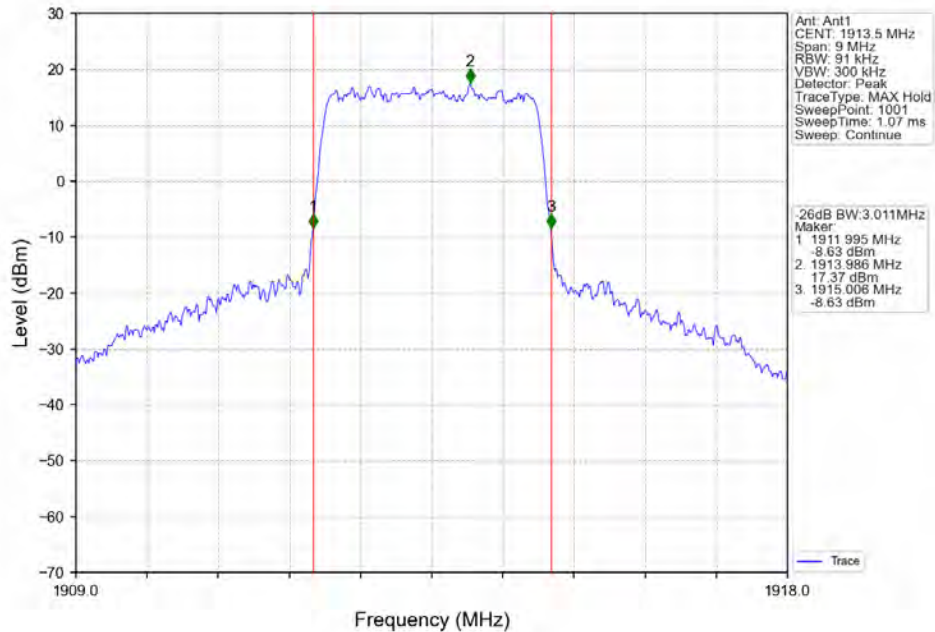
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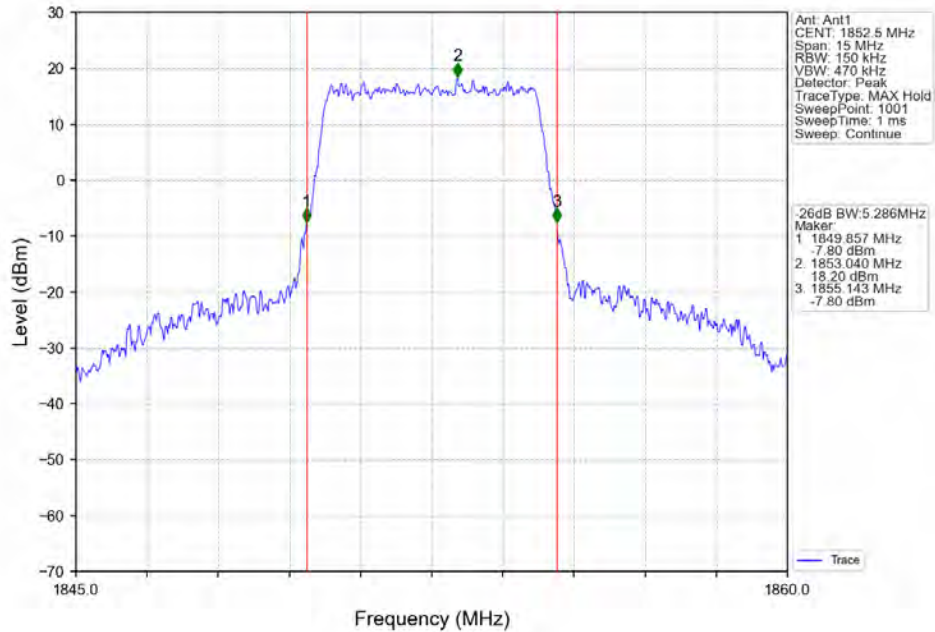
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Band25_5MHz_QPSK_MCH_1882.5MHz_RB_25_0_NTNV



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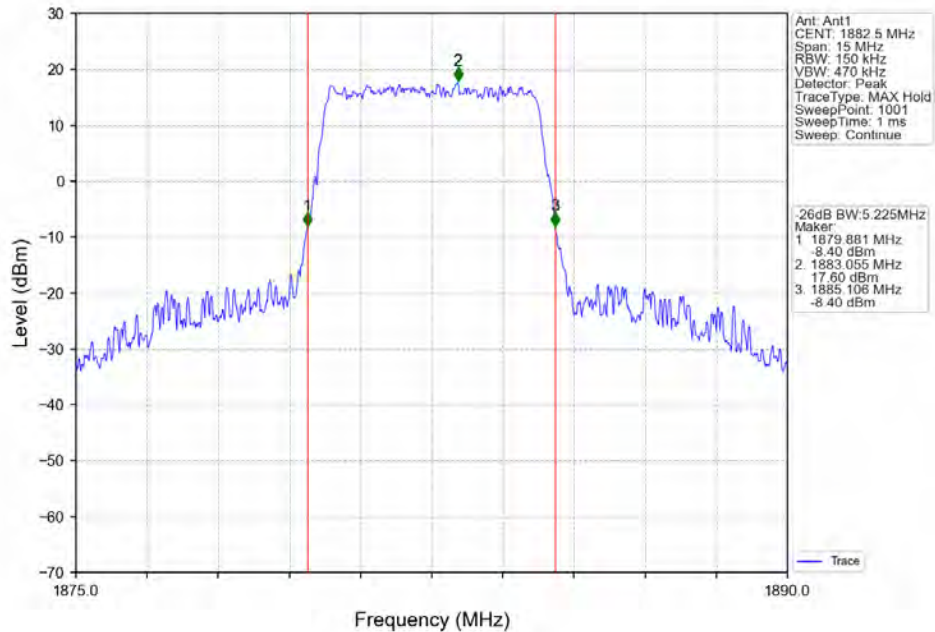
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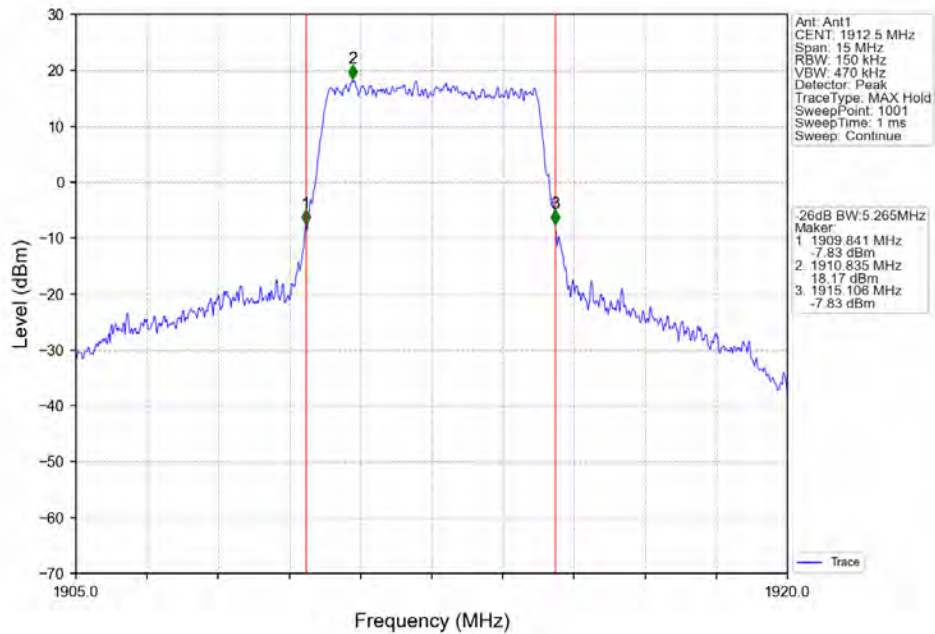
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Band25_5MHz_16QAM_LCH_1852.5MHz_RB_25_0_NTNV



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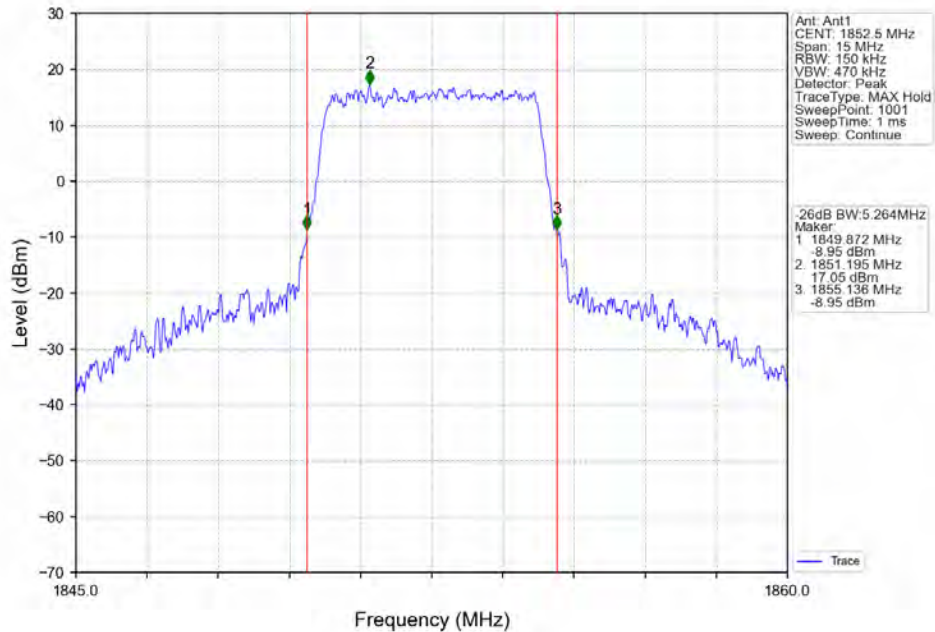
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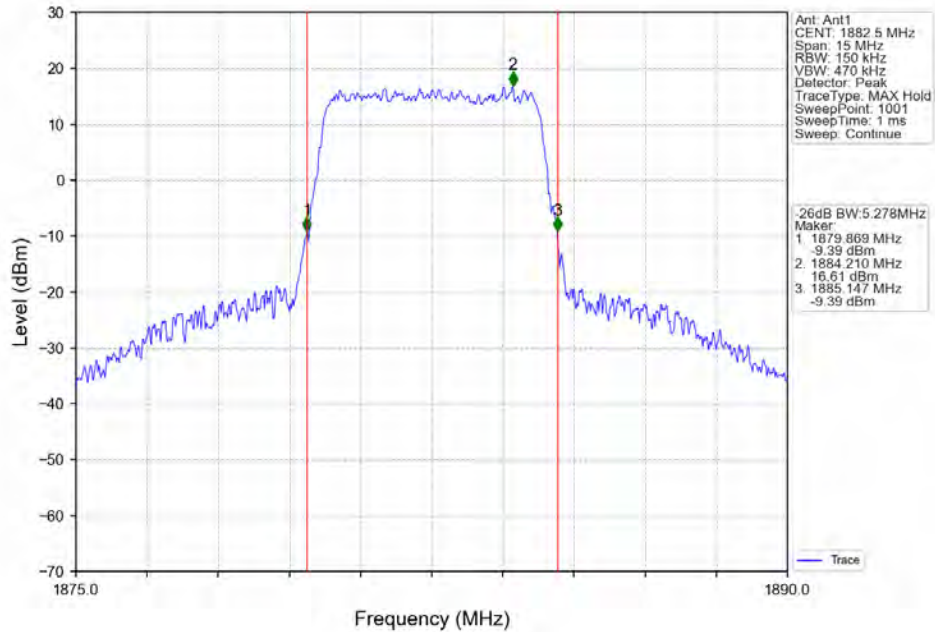
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Band25_5MHz_16QAM_HCH_1912.5MHz_RB_25_0_NTNV



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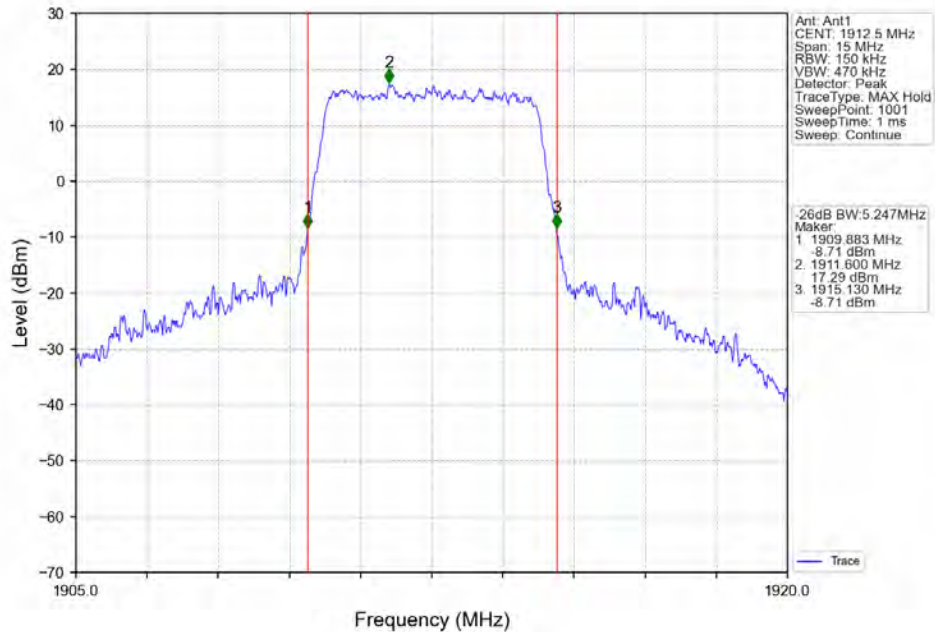
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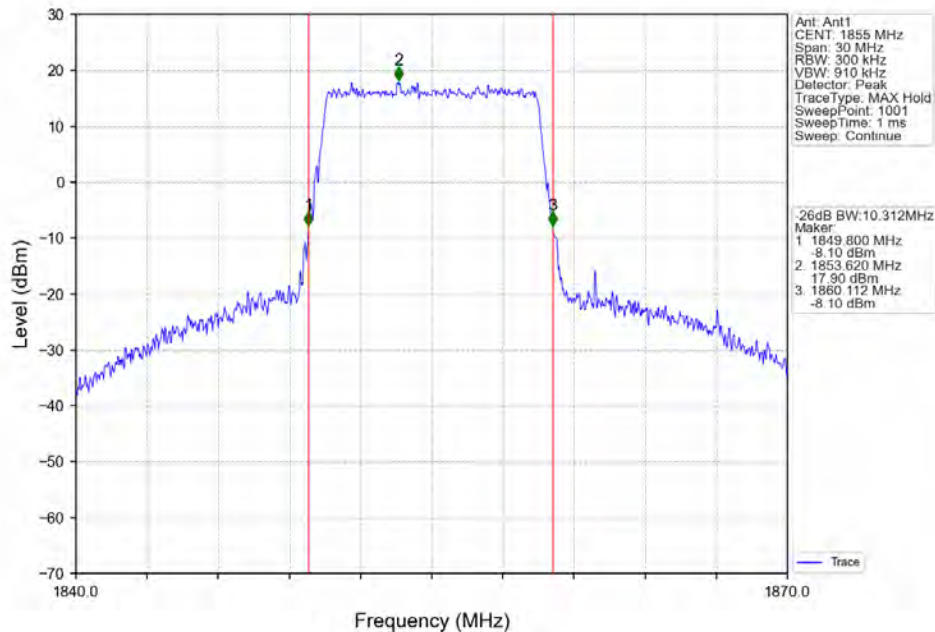
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Band25_10MHz_QPSK_LCH_1855MHz_RB_50_0_NTNV



Band25_10MHz_QPSK_MCH_1882.5MHz_RB_50_0_NTNV



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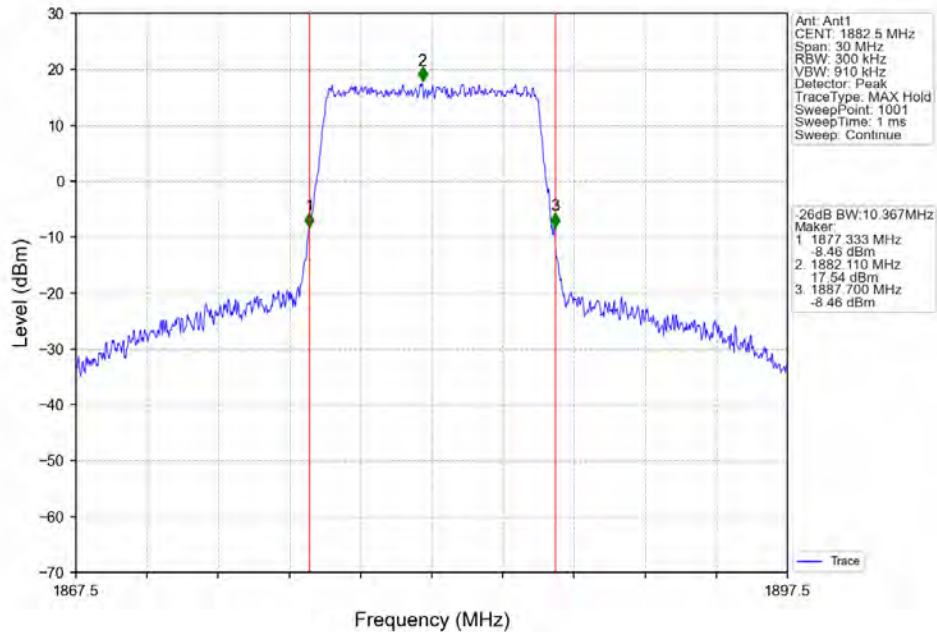
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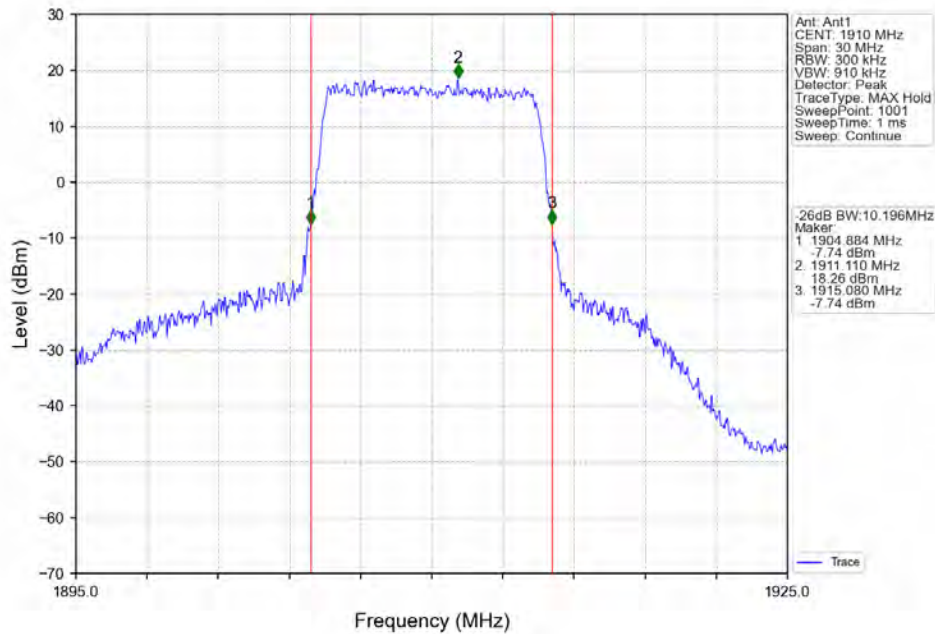
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Band25_10MHz_16QAM_LCH_1855MHz_RB_50_0_NTNV



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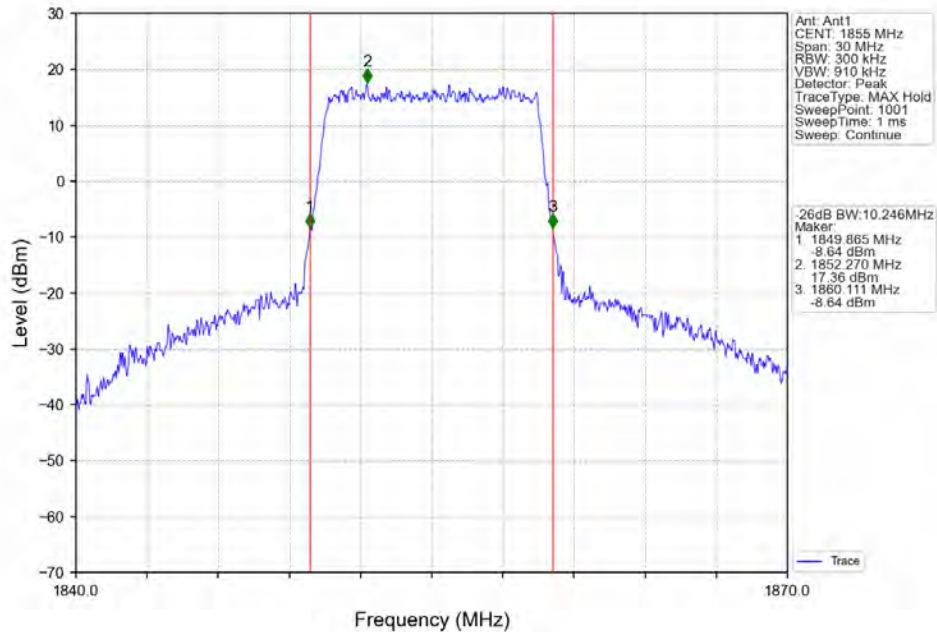
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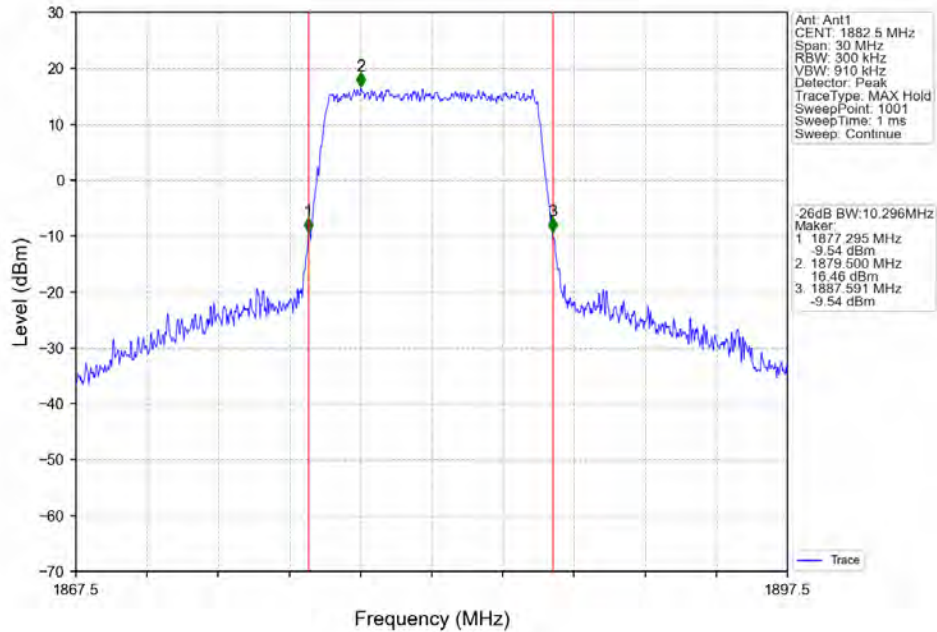
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Band25_10MHz_16QAM_HCH_1910MHz_RB_50_0_NTNV



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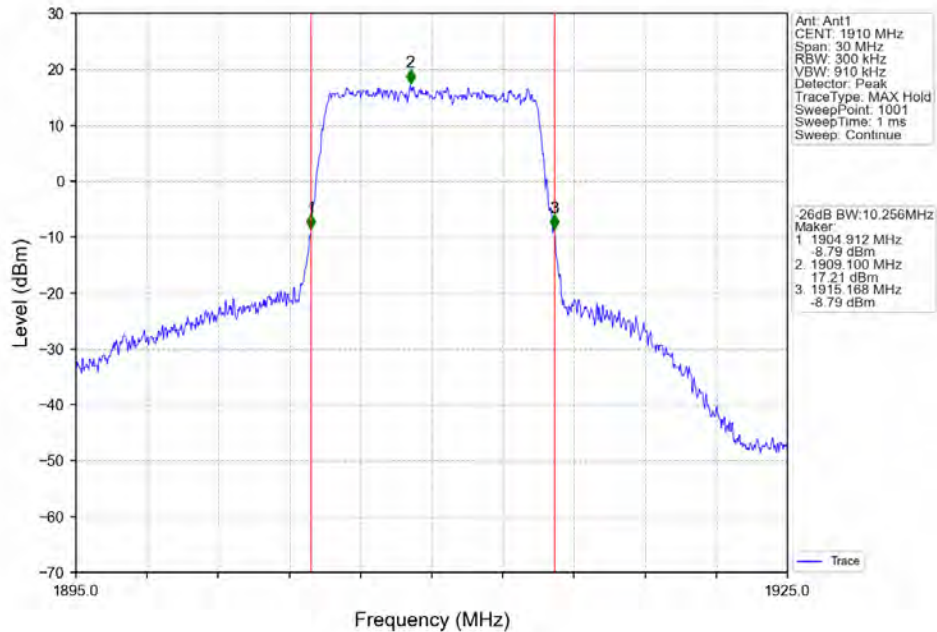
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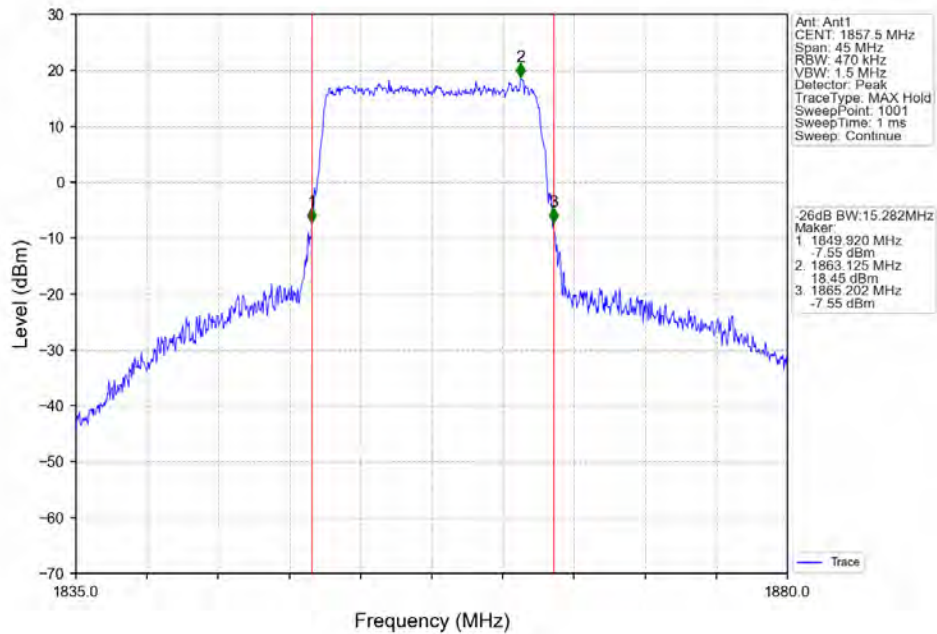
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Band25_15MHz_QPSK_MCH_1882.5MHz_RB_75_0_NTNV



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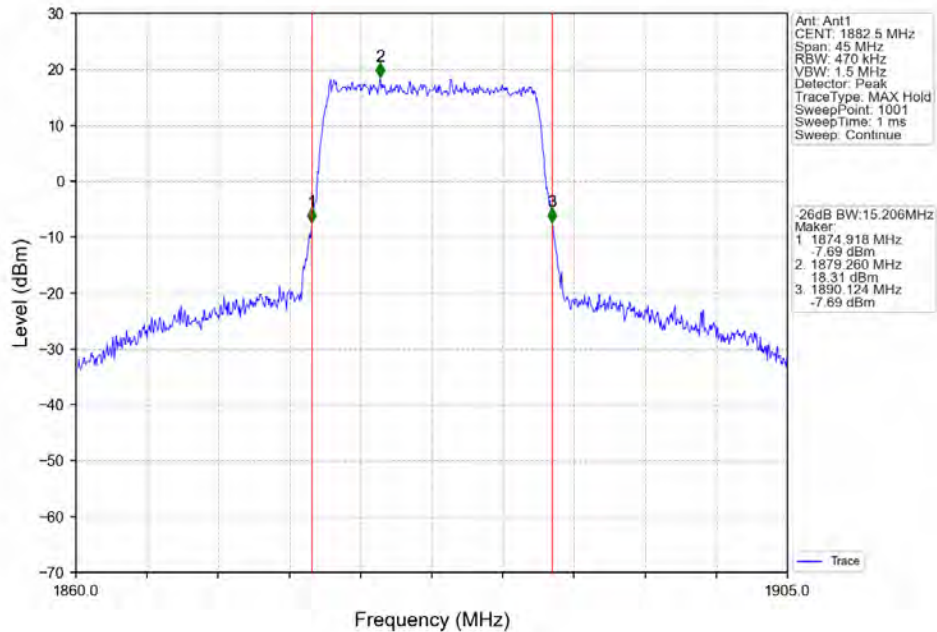
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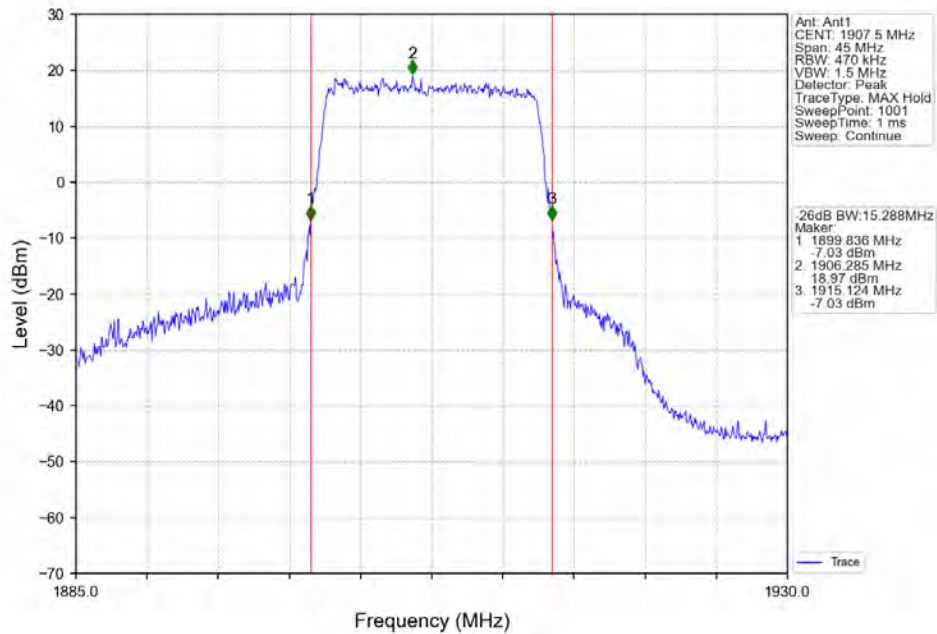
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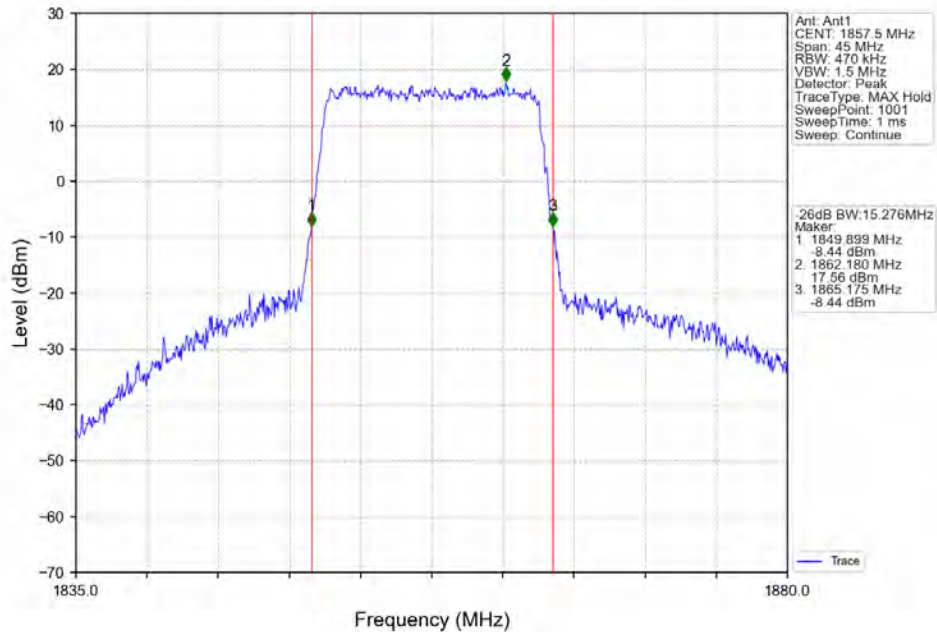
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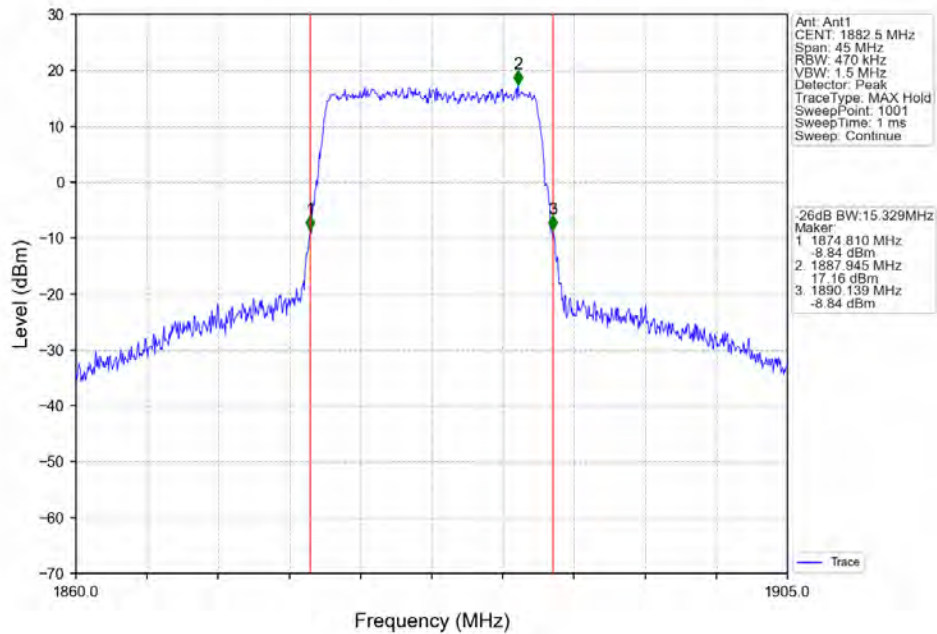
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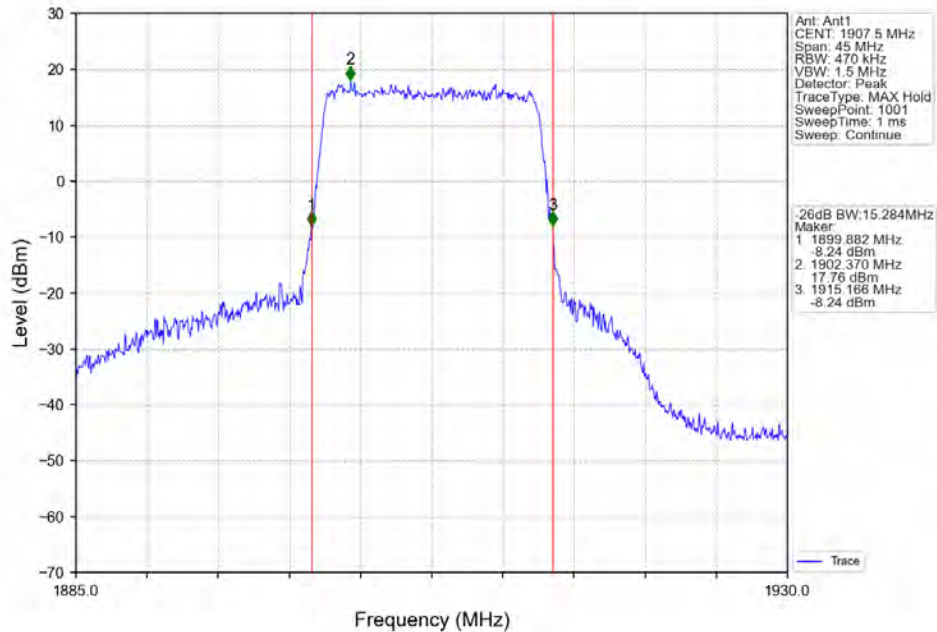
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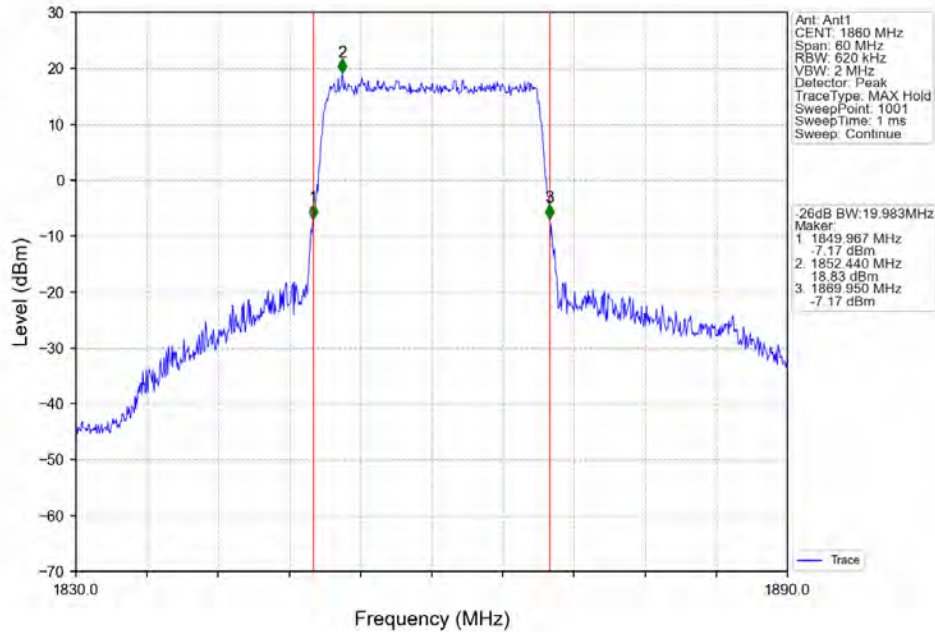
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Band25_20MHz_QPSK_LCH_1860MHz_RB_100_0_NTNV



Band25_20MHz_QPSK_MCH_1882.5MHz_RB_100_0_NTNV



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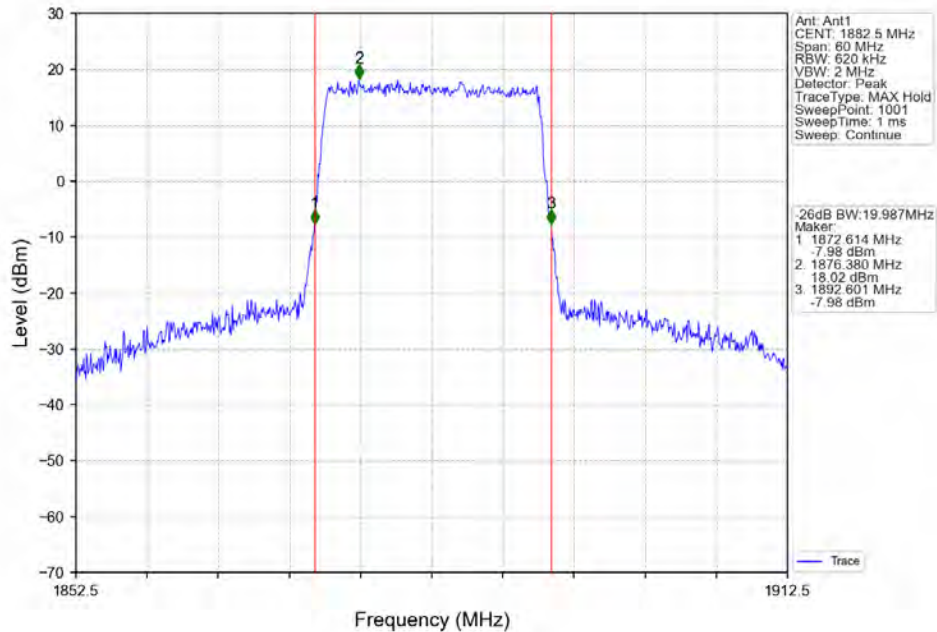
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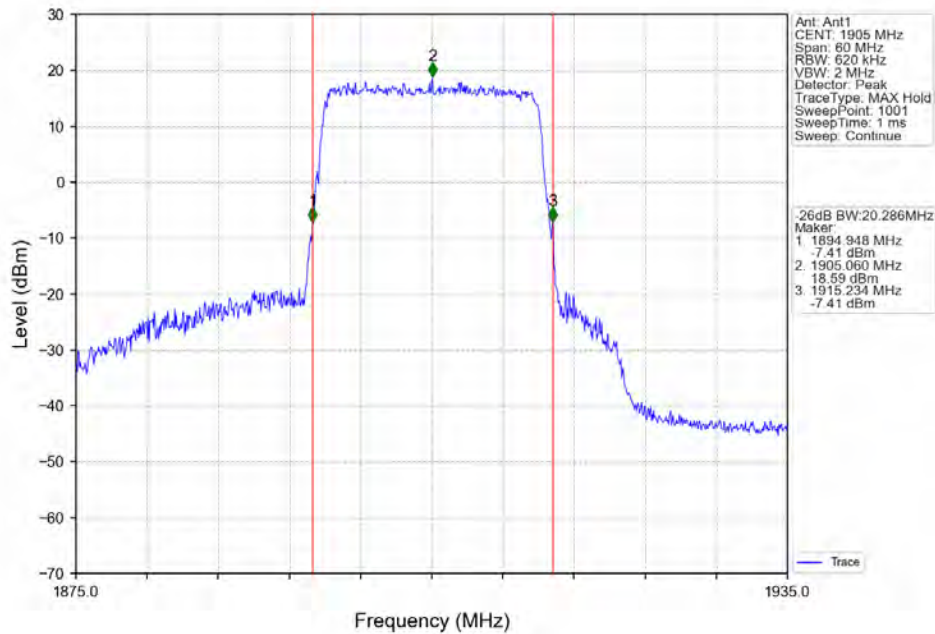
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Band25_20MHz_16QAM_LCH_1860MHz_RB_100_0_NTNV



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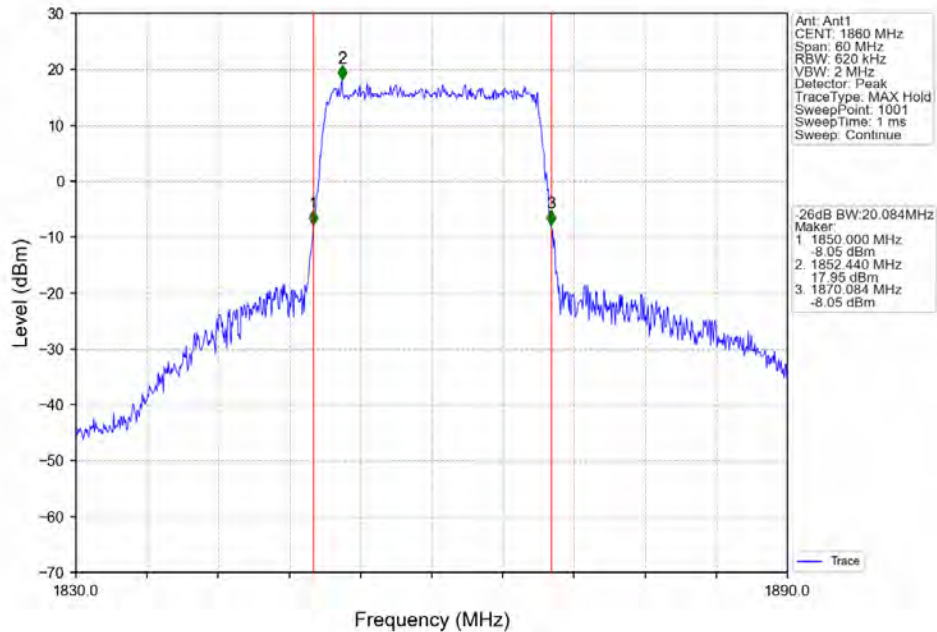
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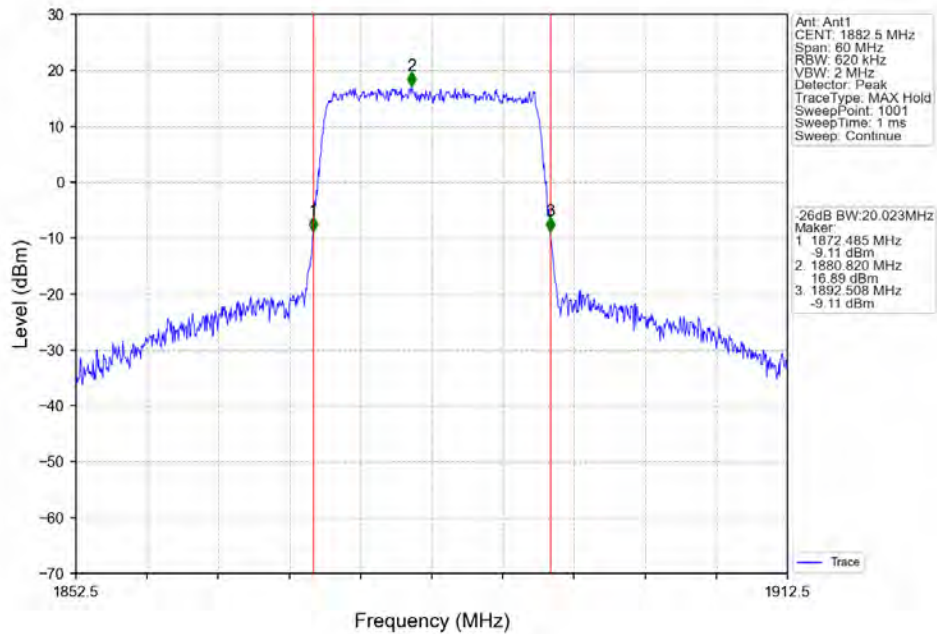
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Band25_20MHz_16QAM_HCH_1905MHz_RB_100_0_NTNV



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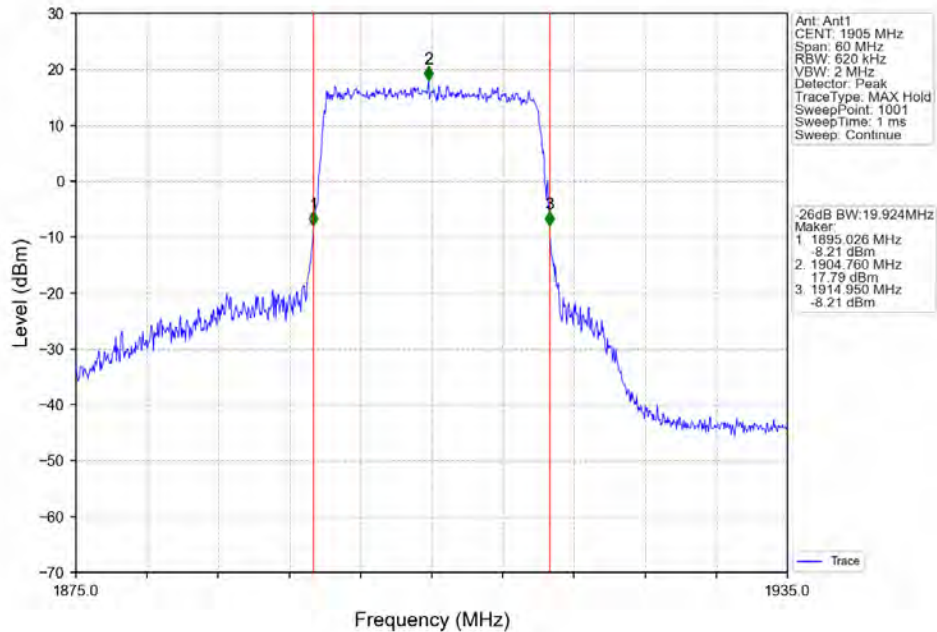
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4. Peak-Average Ratio

4.1 B25_1.4MHz

4.1.1 Test Result

Band: 25 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1850.7	6	0	4.77	<=13	Pass
	1882.5	6	0	5.05	<=13	Pass
	1914.3	6	0	4.61	<=13	Pass
16QAM	1850.7	6	0	5.64	<=13	Pass
	1882.5	6	0	5.85	<=13	Pass
	1914.3	6	0	5.42	<=13	Pass



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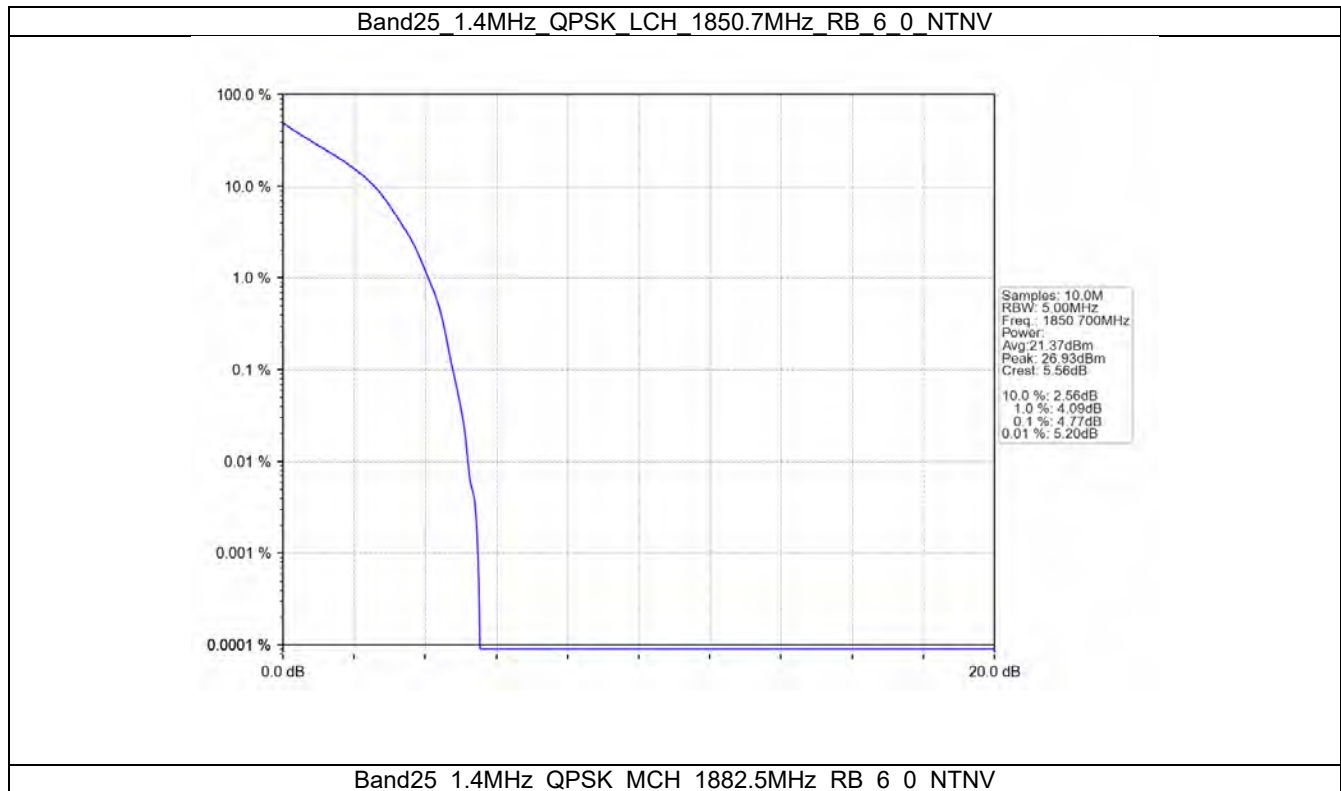
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4.1.2 Test Graph



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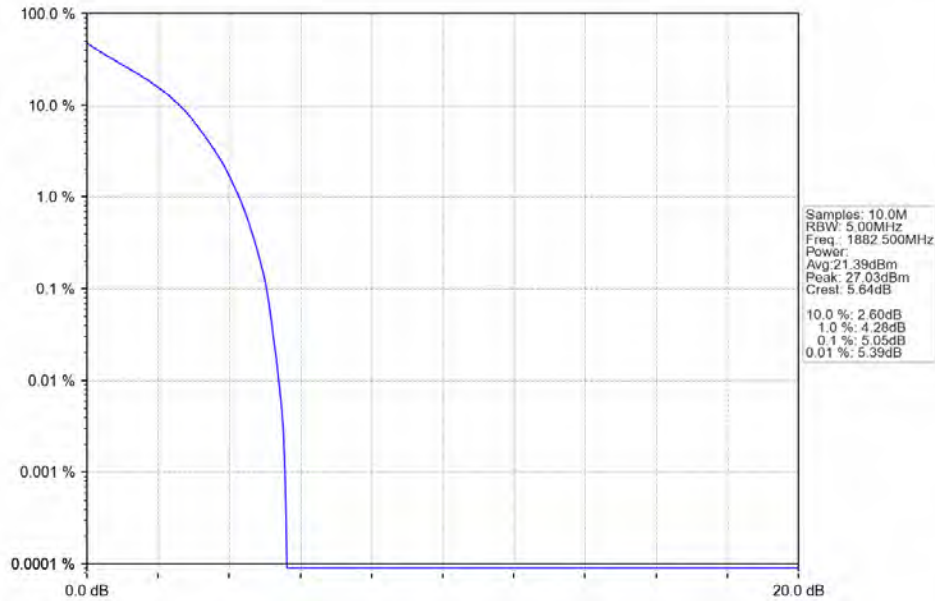
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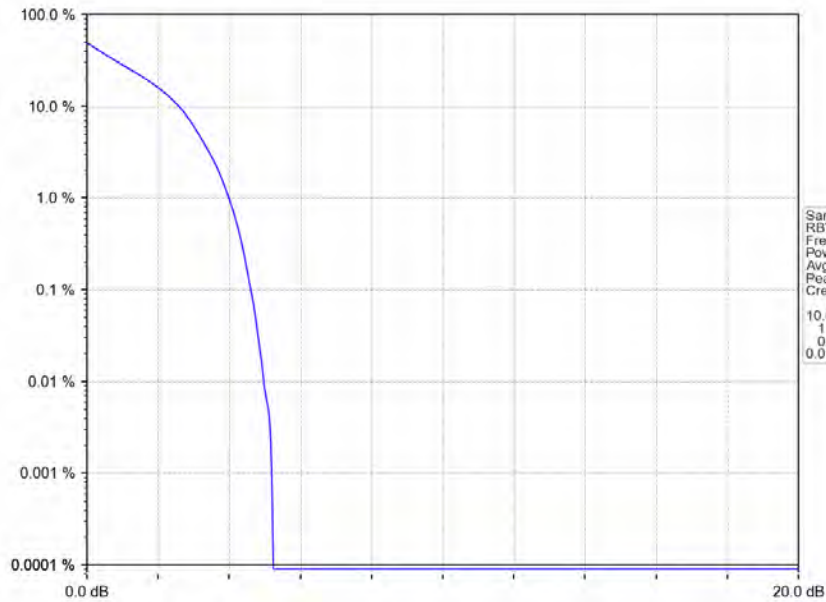
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Band25 1.4MHz QPSK HCH 1914.300MHz_RB_6_0 NTN



Band25 1.4MHz 16QAM LCH 1850.7MHz_RB_6_0 NTN



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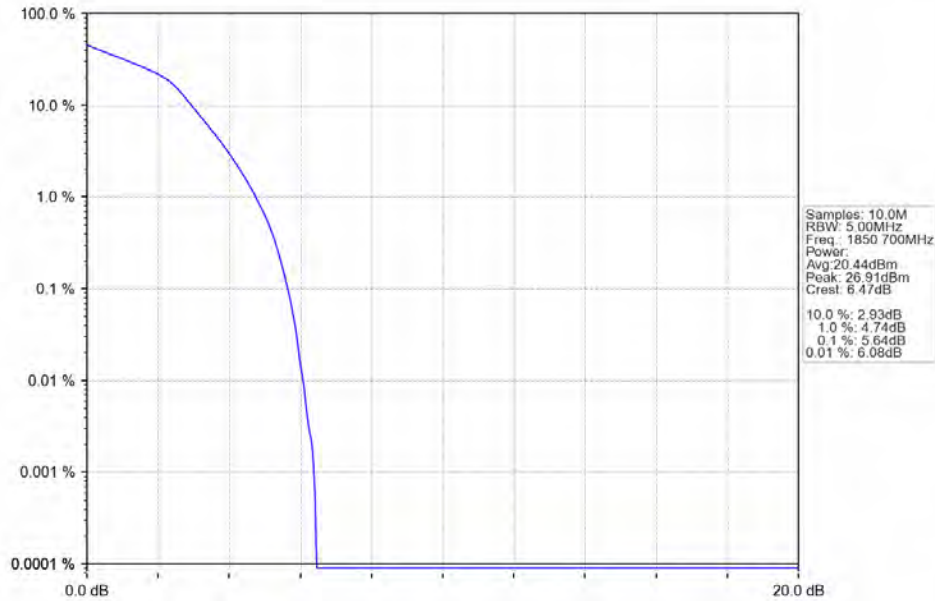
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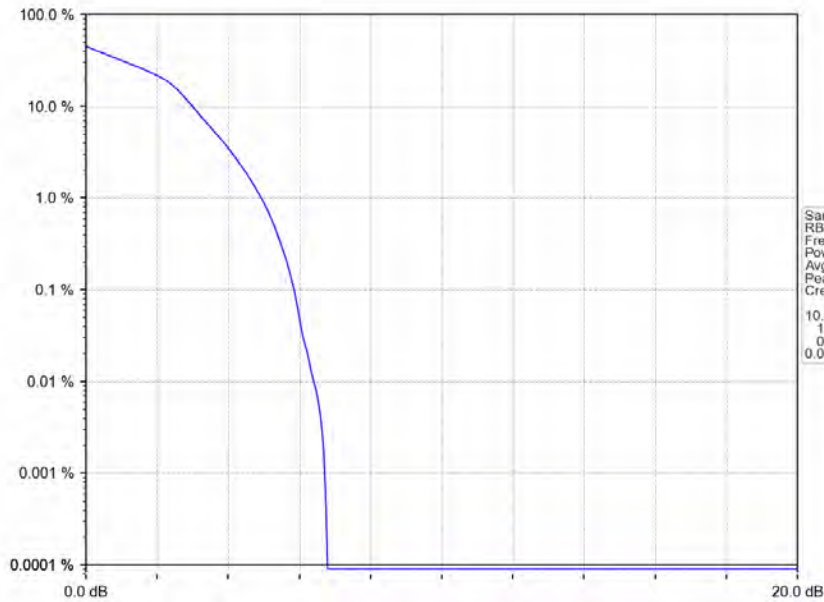
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Band25_1.4MHz_16QAM_HCH_1914.3MHz_RB_6_0_NTNV



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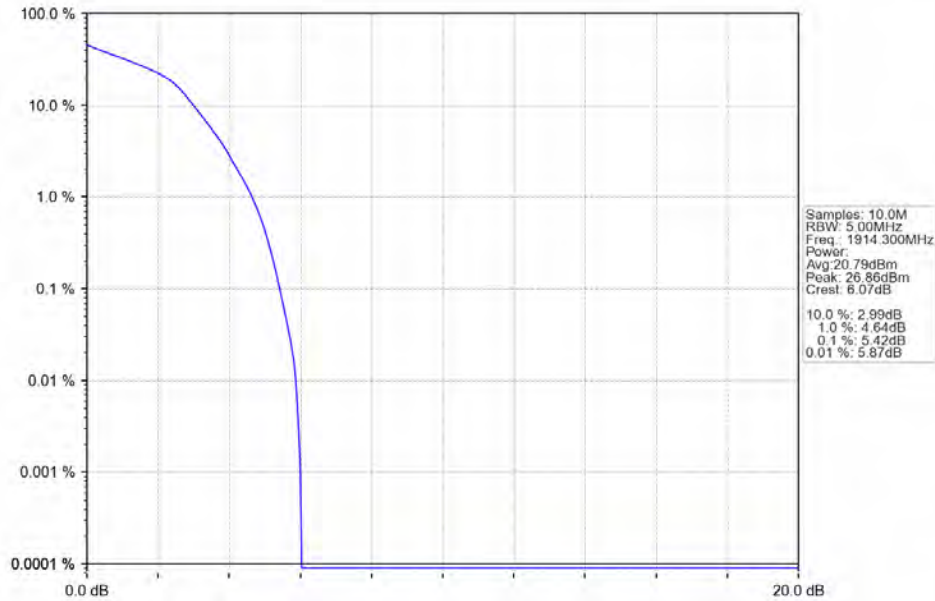
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4.2 B25_3MHz

4.2.1 Test Result

Band: 25 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1851.5	15	0	4.99	<=13	Pass
	1882.5	15	0	5.12	<=13	Pass
	1913.5	15	0	4.83	<=13	Pass
16QAM	1851.5	15	0	5.80	<=13	Pass
	1882.5	15	0	5.94	<=13	Pass
	1913.5	15	0	5.65	<=13	Pass



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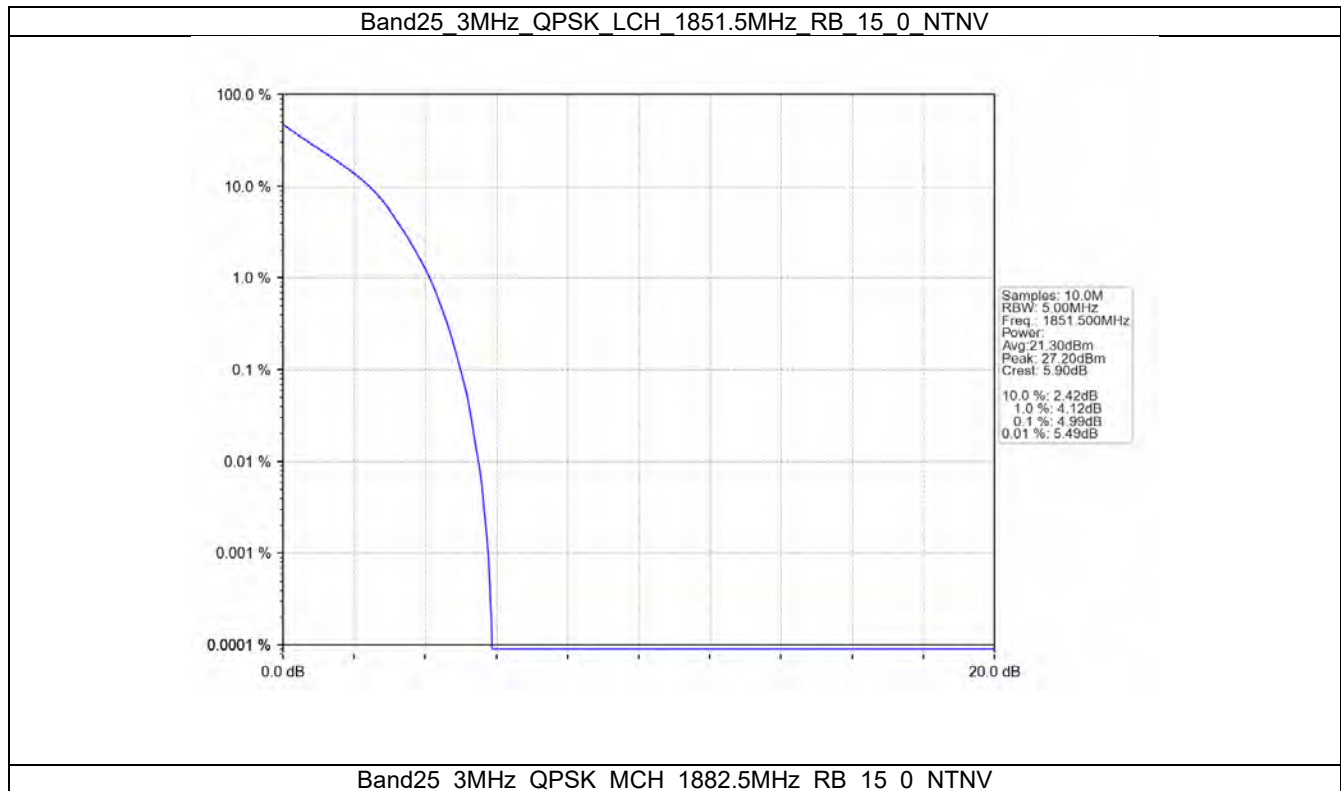
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4.2.2 Test Graph



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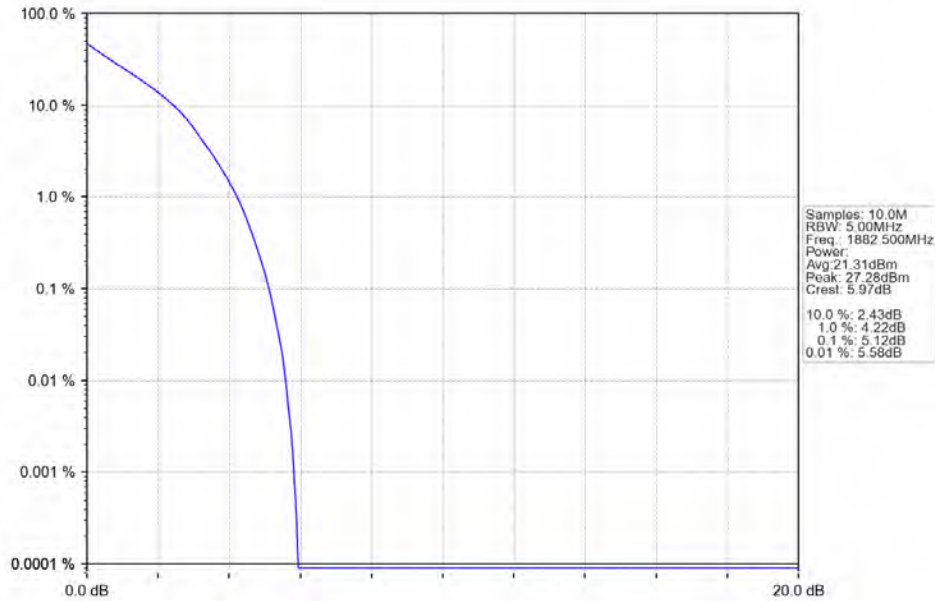
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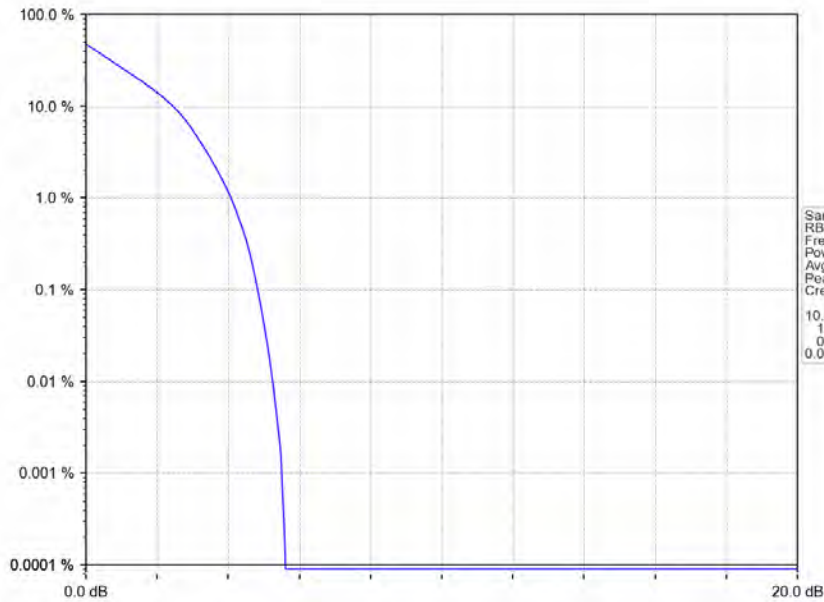
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Band25_3MHz_QPSK_HCH_1913.5MHz_RB_15_0_NTNV



Samples: 10.0M
RBW: 5.00MHz
Freq: 1913.500MHz
Power:
Avg: 21.64dBm
Peak: 27.31dBm
Crest: 5.67dB
10.0 %: 2.44dB
1.0 %: 4.08dB
0.1 %: 4.83dB
0.01 %: 5.25dB

Band25_3MHz_16QAM_LCH_1851.5MHz_RB_15_0_NTNV



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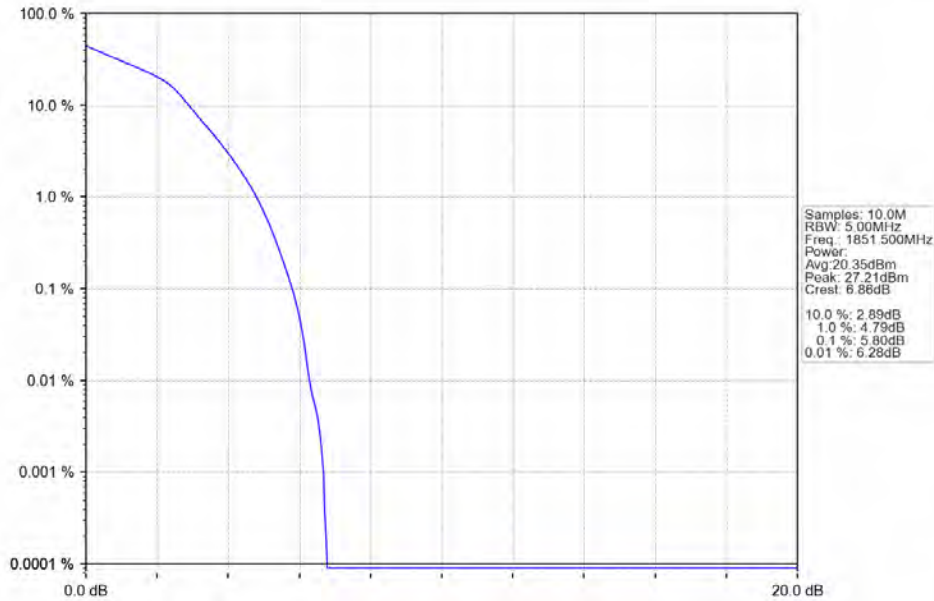
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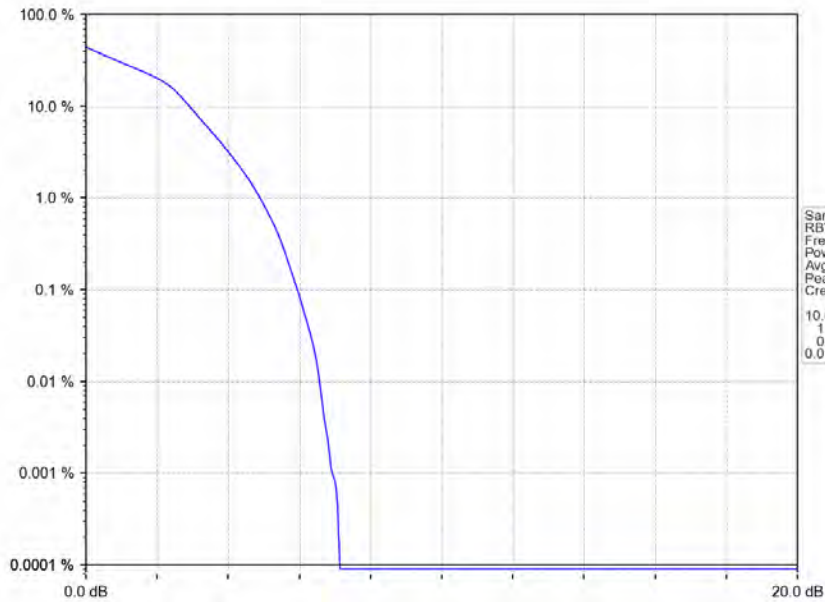
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Band25_3MHz_16QAM_MCH_1882.5MHz_RB_15_0_NTNV



Samples: 10.0M
RBW: 5.00MHz
Freq: 1882.500MHz
Power:
Avg 20.36dBm
Peak: 27.54dBm
Crest: 7.18dB
10.0 %: 2.91dB
1.0 %: 4.89dB
0.1 %: 5.94dB
0.01 %: 6.56dB

Band25_3MHz_16QAM_HCH_1913.5MHz_RB_15_0_NTNV



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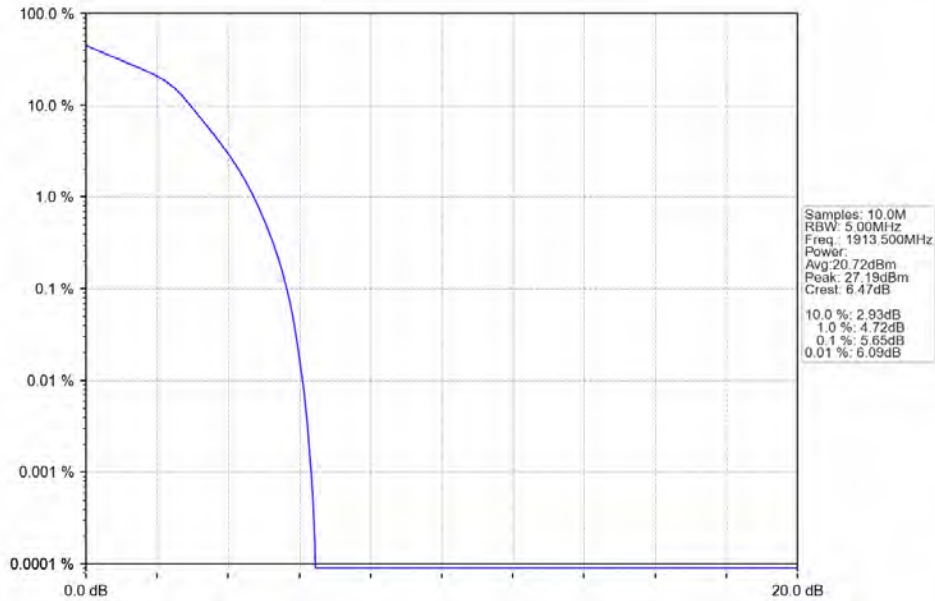
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4.3 B25_5MHz

4.3.1 Test Result

Band: 25 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1852.5	25	0	5.30	<=13	Pass
	1882.5	25	0	5.38	<=13	Pass
	1912.5	25	0	5.22	<=13	Pass
16QAM	1852.5	25	0	5.98	<=13	Pass
	1882.5	25	0	6.06	<=13	Pass
	1912.5	25	0	5.96	<=13	Pass



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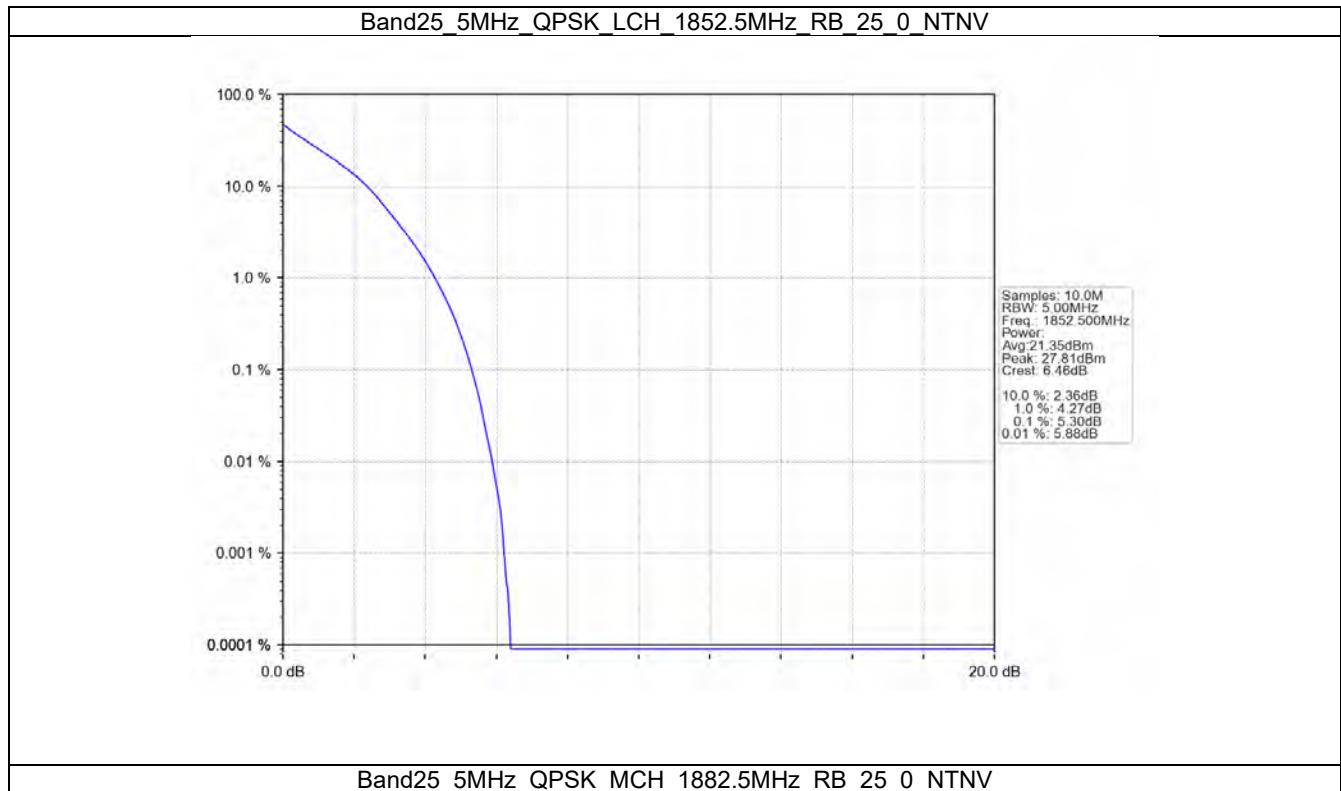
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4.3.2 Test Graph



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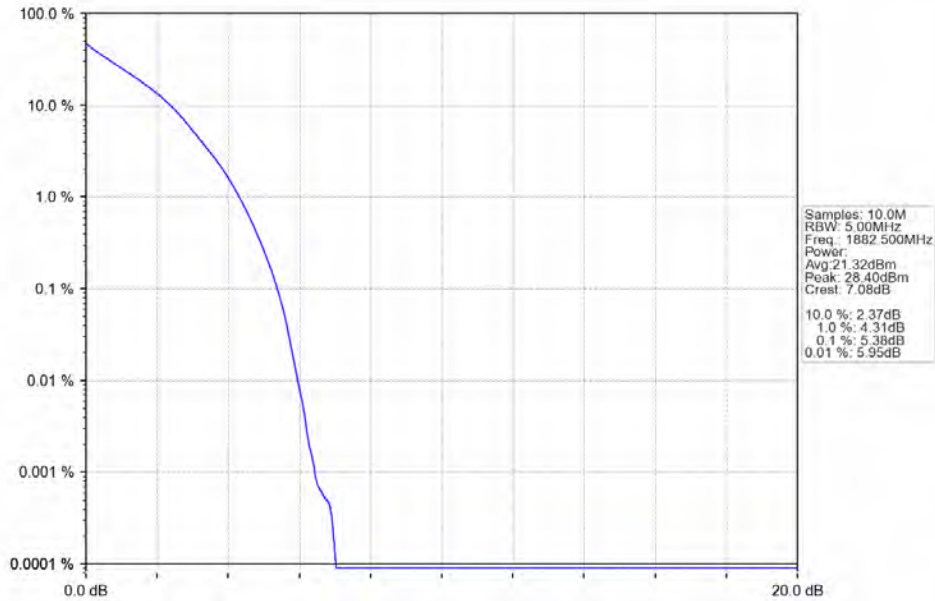
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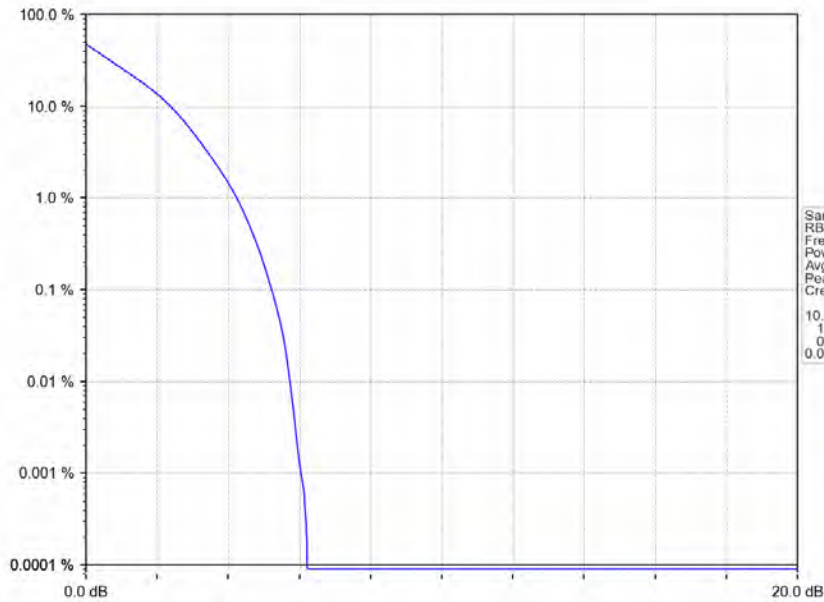
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Band25_5MHz_QPSK_HCH_1912.5MHz_RB_25_0_NTNV



Samples: 10.0M
RBW: 5.00MHz
Freq: 1912.500MHz
Power:
Avg: 21.64dBm
Peak: 27.91dBm
Crest: 6.27dB
10.0%: 2.37dB
1.0%: 4.24dB
0.1%: 5.22dB
0.01%: 5.73dB

Band25_5MHz_16QAM_LCH_1852.5MHz_RB_25_0_NTNV



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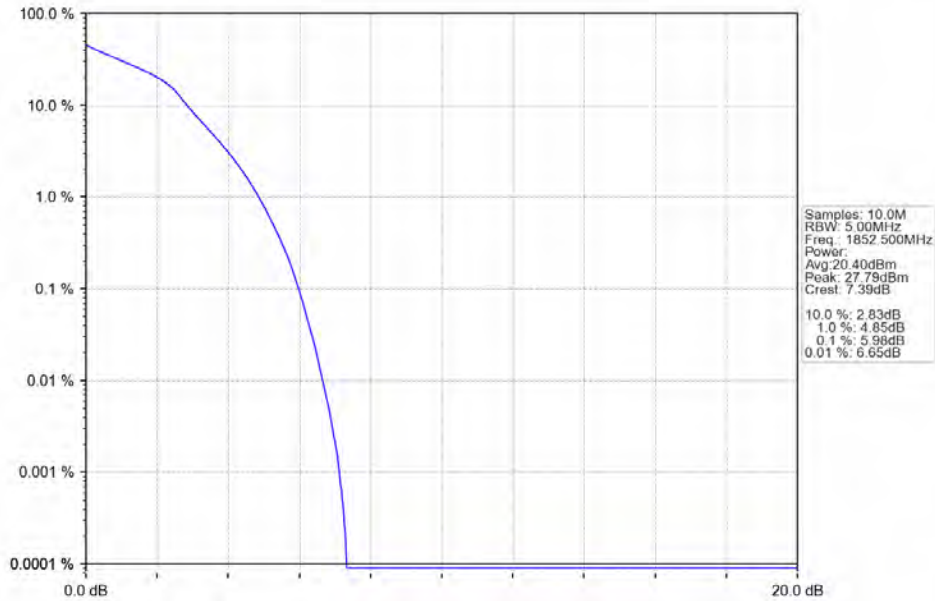
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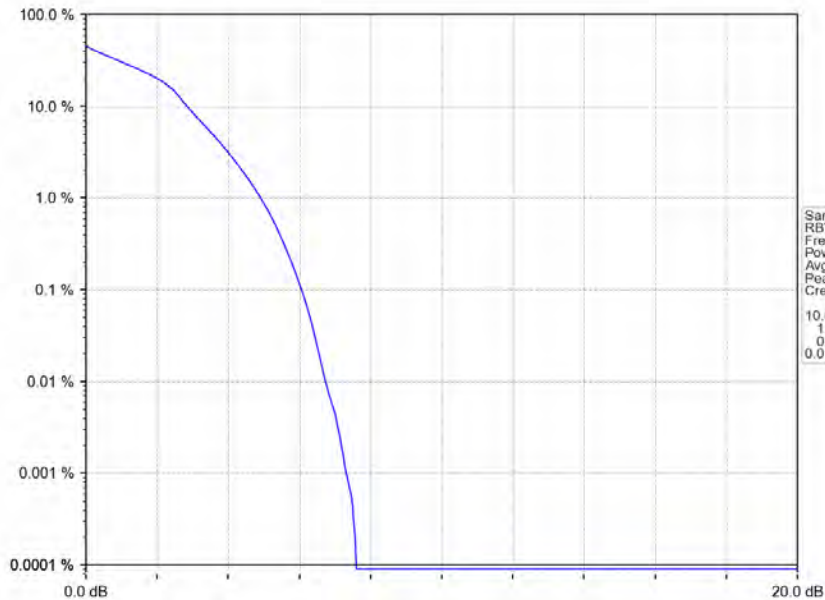
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Band25_5MHz_16QAM_MCH_1882.5MHz_RB_25_0_NTNV



Samples: 10.0M
RBW: 5.00MHz
Freq: 1882.500MHz
Power:
Avg: 20.40dBm
Peak: 28.05dBm
Crest: 7.65dB
10.0 %: 2.84dB
1.0 %: 4.91dB
0.1 %: 6.06dB
0.01 %: 6.73dB

Band25_5MHz_16QAM_HCH_1912.5MHz_RB_25_0_NTNV



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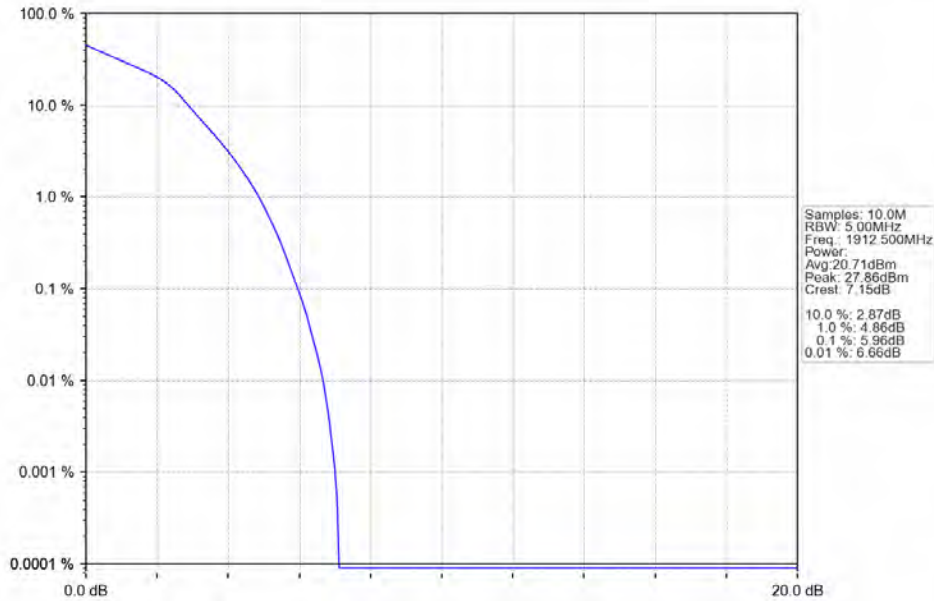
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4.4 B25_10MHz

4.4.1 Test Result

Band: 25 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1855	50	0	5.37	<=13	Pass
	1882.5	50	0	5.38	<=13	Pass
	1910	50	0	5.29	<=13	Pass
16QAM	1855	50	0	6.07	<=13	Pass
	1882.5	50	0	6.13	<=13	Pass
	1910	50	0	6.07	<=13	Pass



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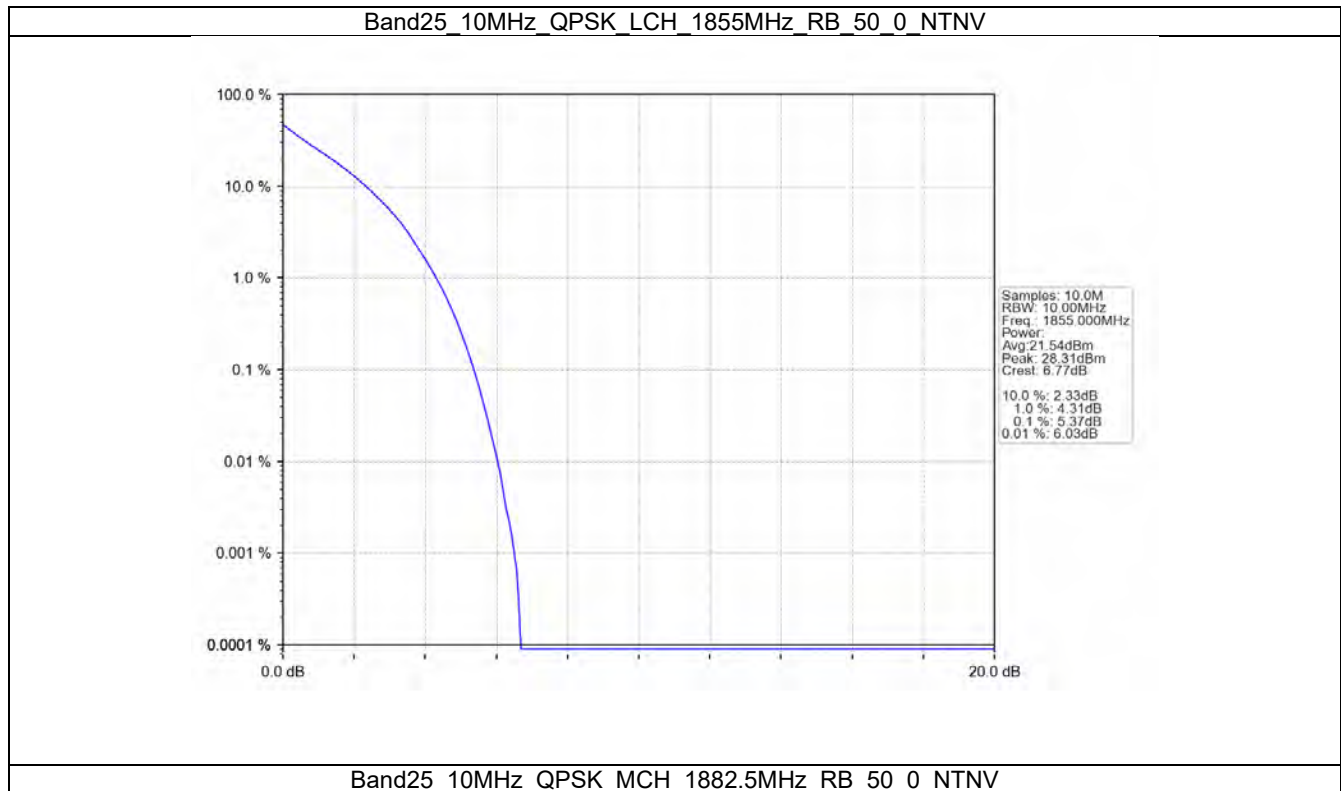
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4.4.2 Test Graph



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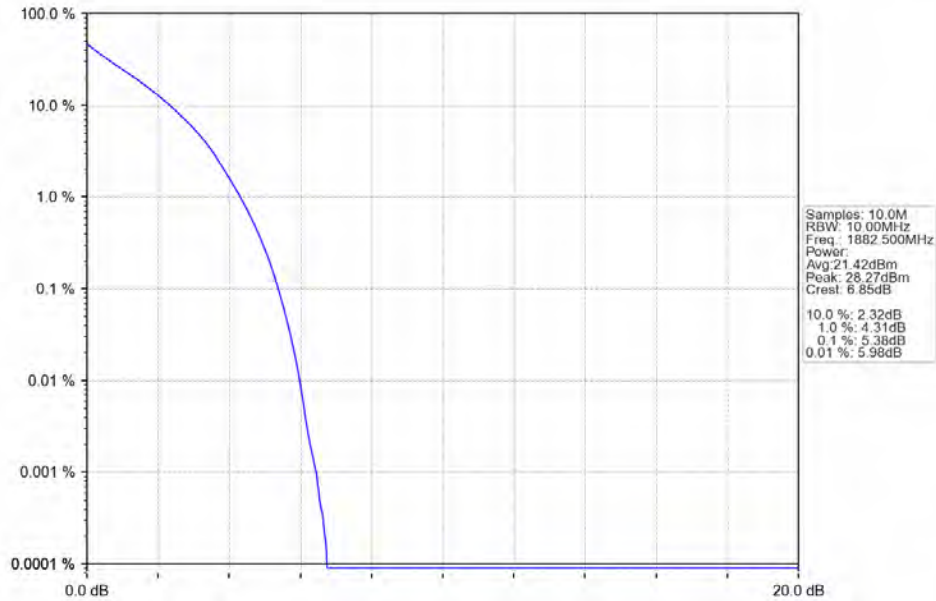
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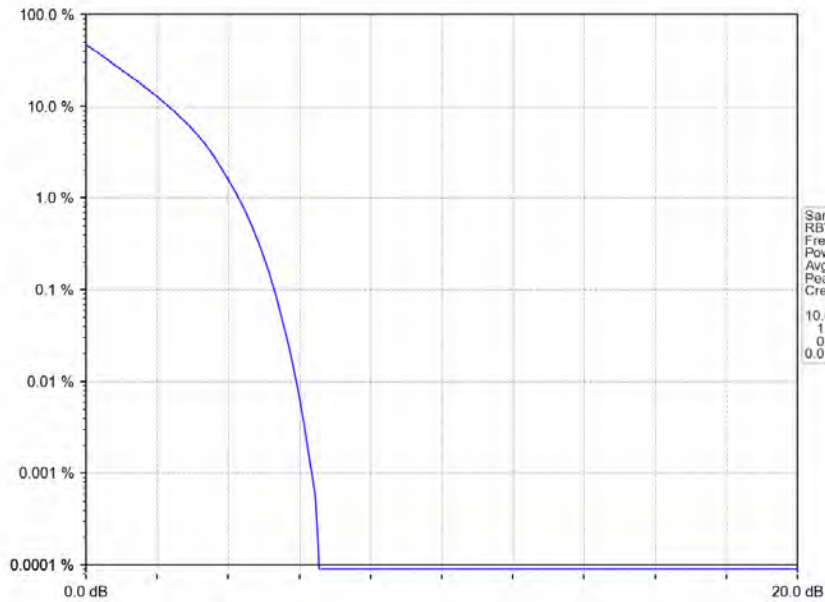
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Band25_10MHz_QPSK_HCH_1910MHz_RB_50_0_NTNV



Samples: 10.0M
RBW: 10.00MHz
Freq.: 1910.000MHz
Power:
Avg 21.68dBm
Peak: 28.31dBm
Crest: 6.63dB
10.0%: 2.31dB
1.0%: 4.29dB
0.1%: 5.29dB
0.01%: 5.91dB

Band25_10MHz_16QAM_LCH_1855MHz_RB_50_0_NTNV



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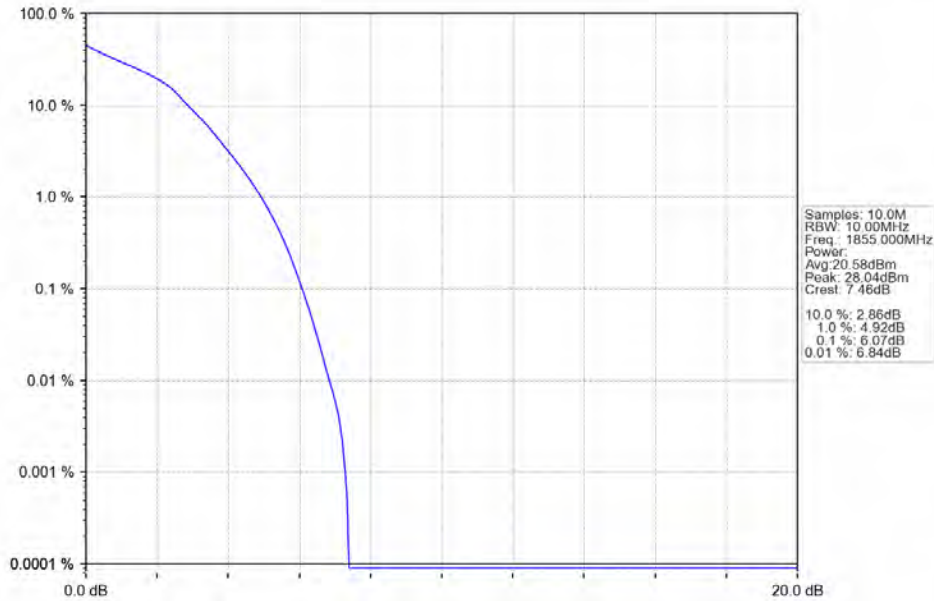
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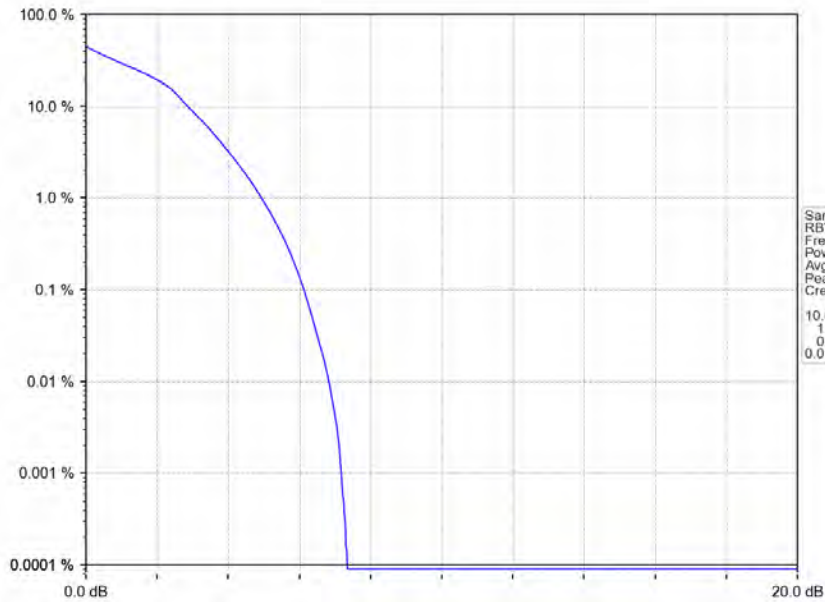
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Band25_10MHz_16QAM_MCH_1882.5MHz_RB_50_0_NTNV



Band25_10MHz_16QAM_HCH_1910MHz_RB_50_0_NTNV



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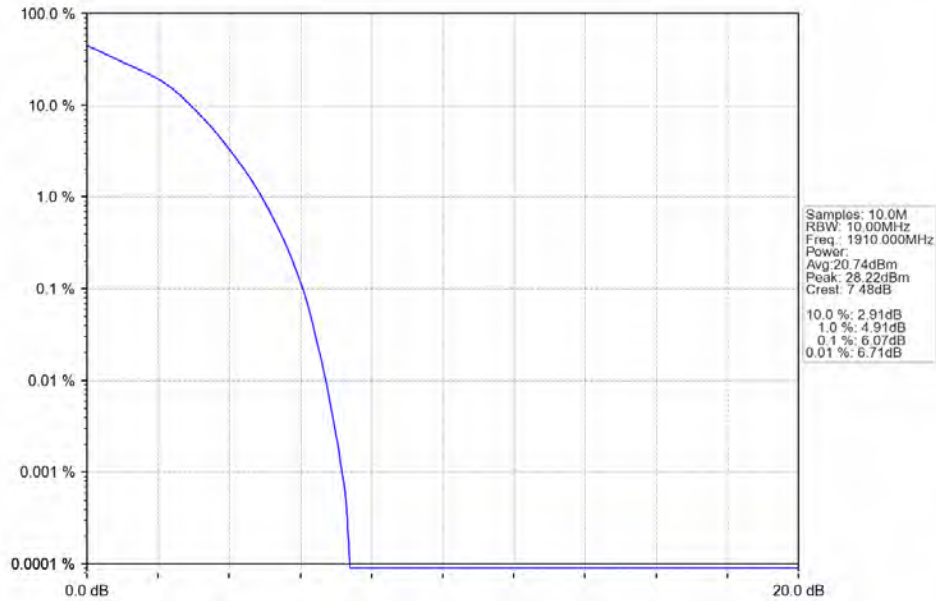
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4.5 B25_15MHz

4.5.1 Test Result

Band: 25 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1857.5	75	0	5.62	<=13	Pass
	1882.5	75	0	5.55	<=13	Pass
	1907.5	75	0	5.49	<=13	Pass
16QAM	1857.5	75	0	6.17	<=13	Pass
	1882.5	75	0	6.13	<=13	Pass
	1907.5	75	0	6.09	<=13	Pass



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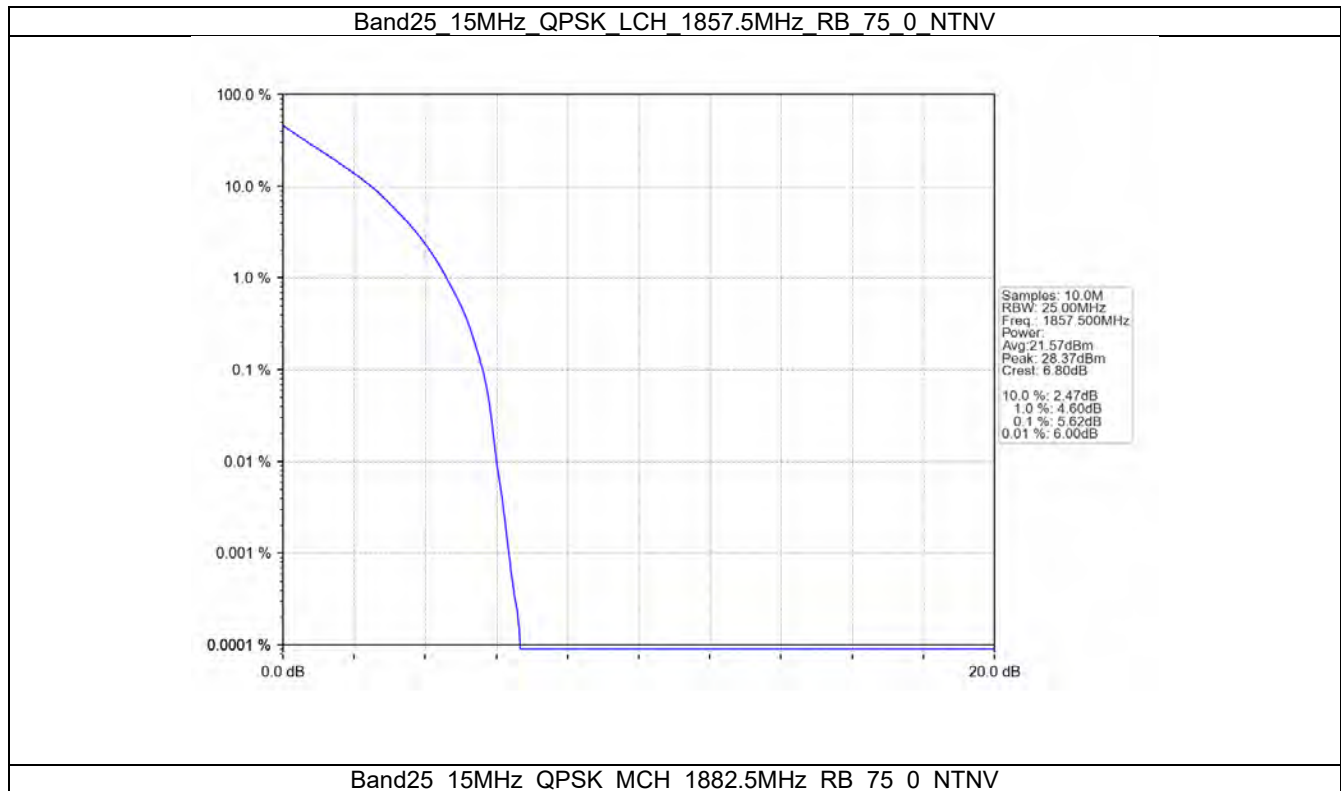
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4.5.2 Test Graph



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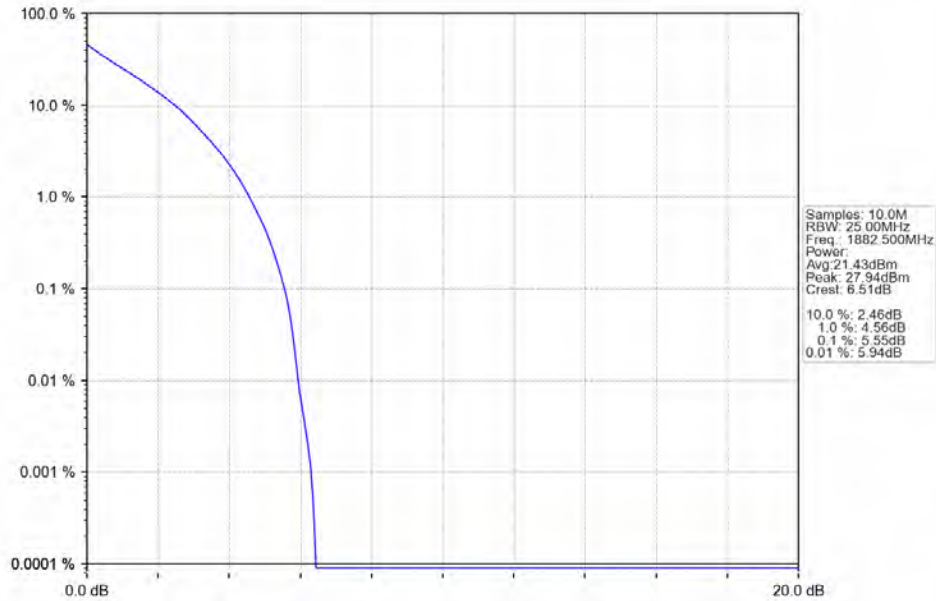
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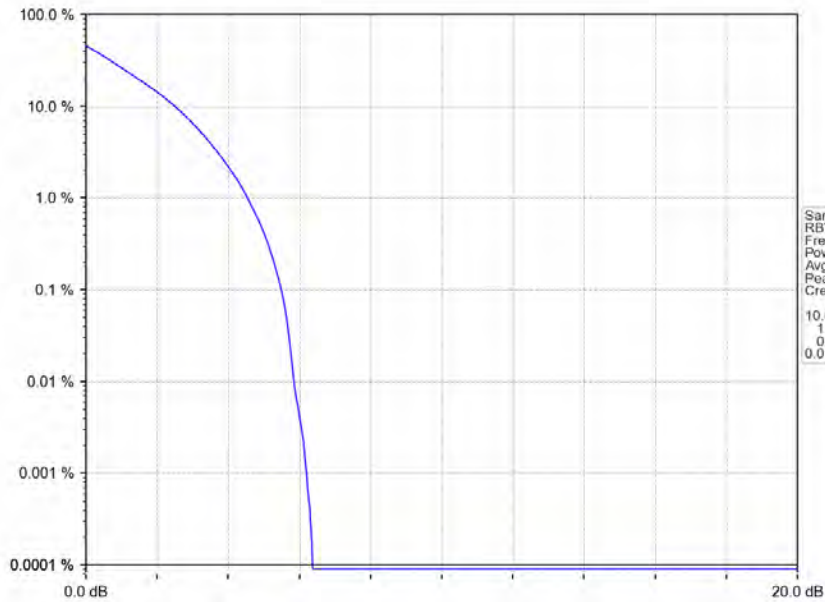
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Band25_15MHz_QPSK_HCH_1907.5MHz_RB_75_0_NTNV



Band25_15MHz_16QAM_LCH_1857.5MHz_RB_75_0_NTNV



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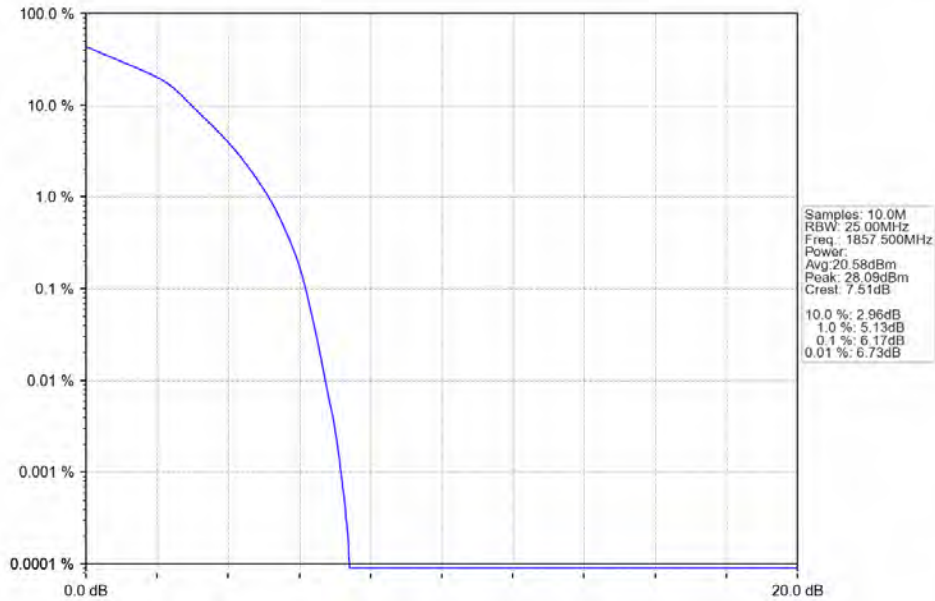
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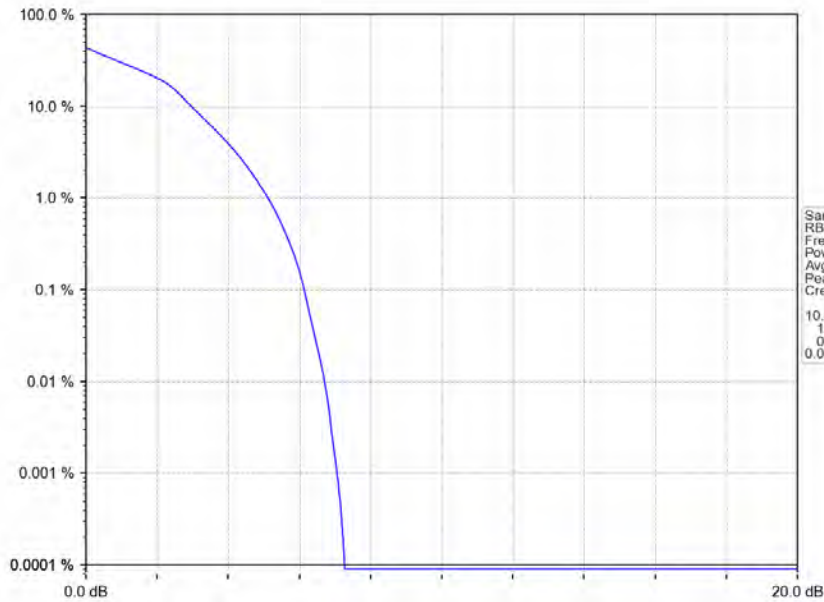
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Band25_15MHz_16QAM_MCH_1882.5MHz_RB_75_0_NTNV



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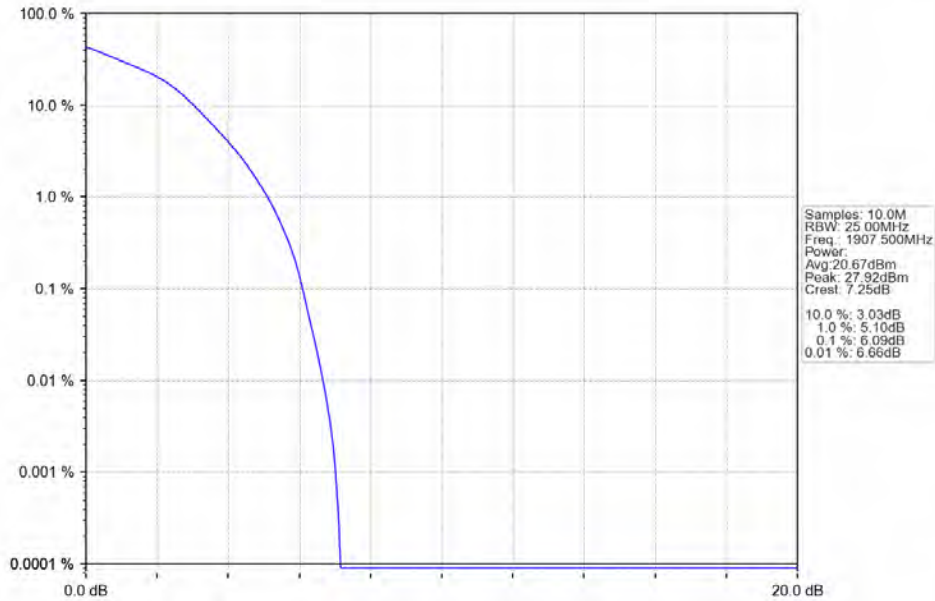
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4.6 B25_20MHz

4.6.1 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	5.45	<=13	Pass
	1882.5	100	0	5.41	<=13	Pass
	1905	100	0	5.41	<=13	Pass
16QAM	1860	100	0	6.20	<=13	Pass
	1882.5	100	0	6.15	<=13	Pass
	1905	100	0	6.16	<=13	Pass



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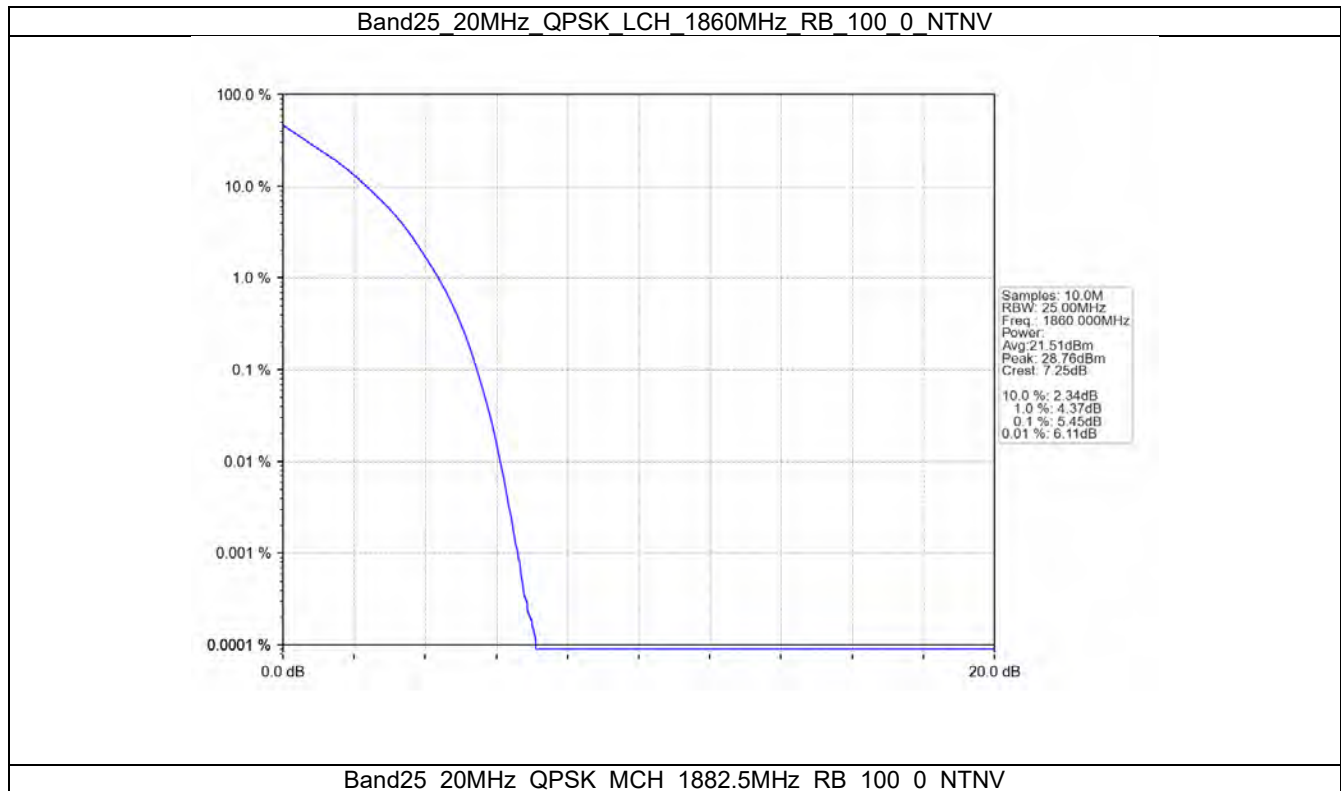
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4.6.2 Test Graph



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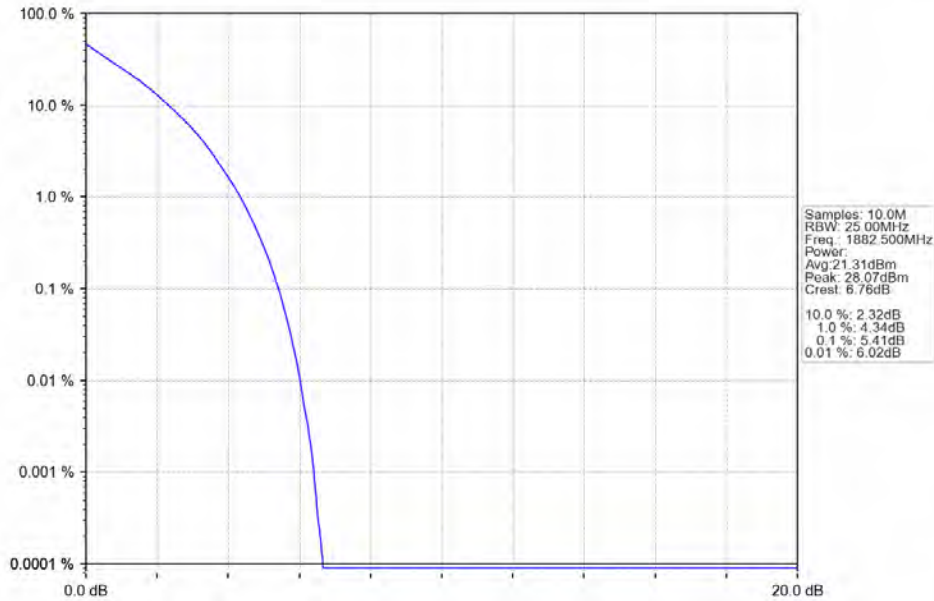
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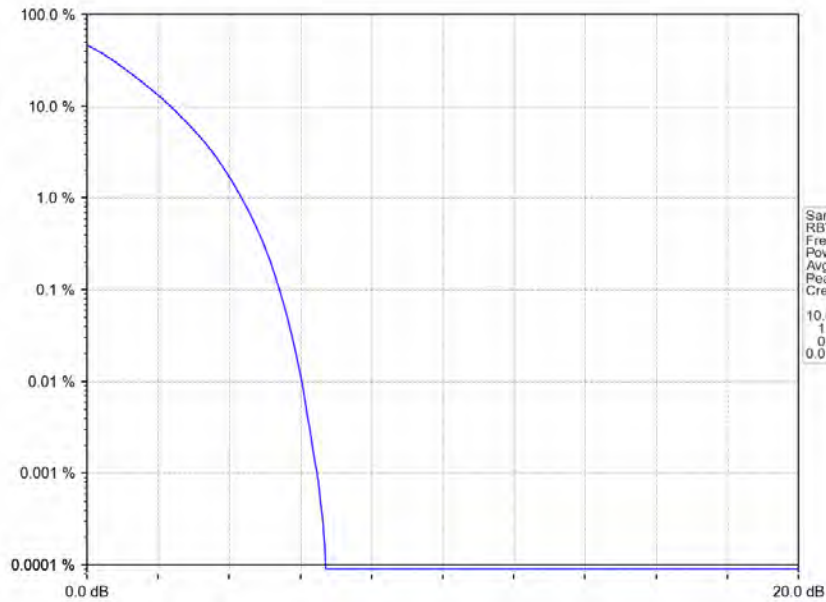
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Band25 20MHz QPSK HCH 1905MHz RB 100 0 NTN



Band25 20MHz 16QAM LCH 1860MHz RB 100 0 NTN



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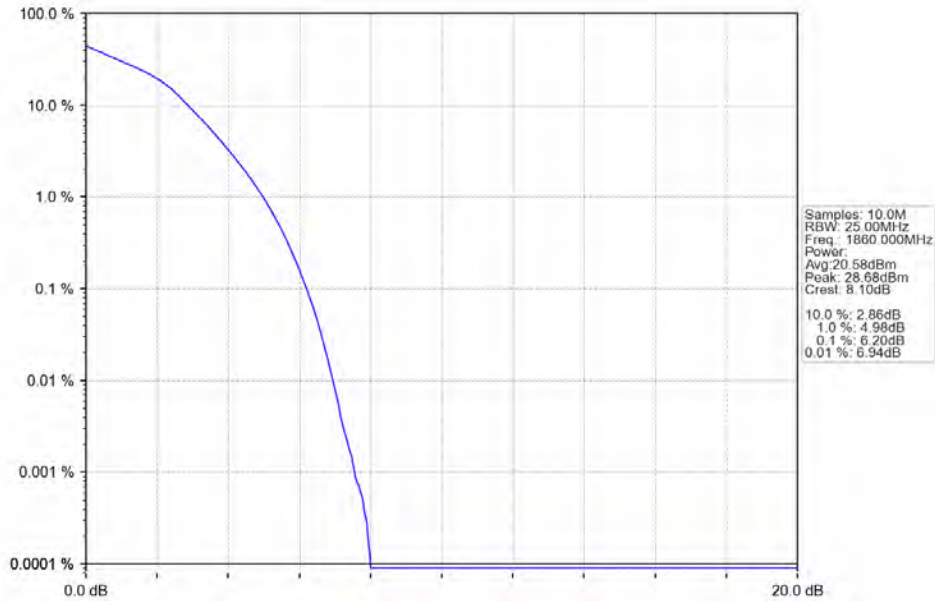
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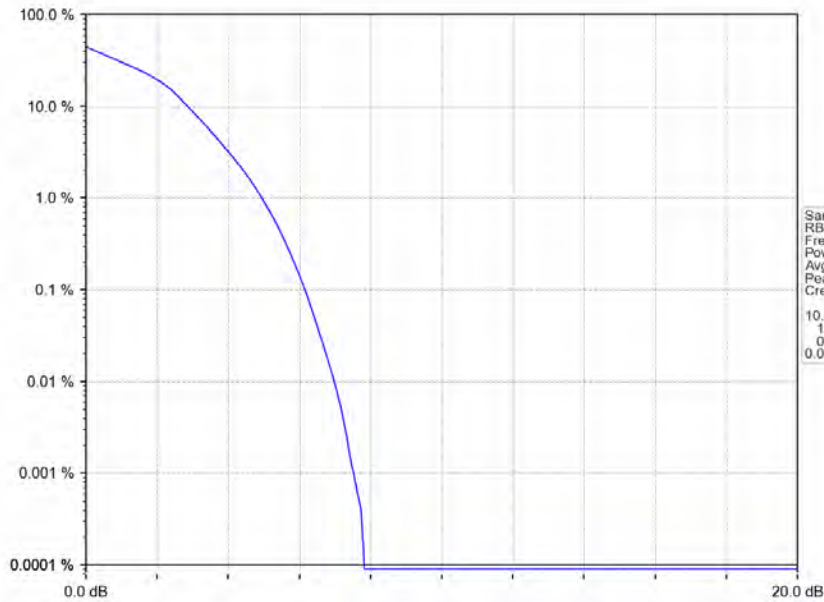
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Band25_20MHz_16QAM_MCH_1882.5MHz_RB_100_0_NTNV



Band25_20MHz_16QAM_HCH_1905MHz_RB_100_0_NTNV



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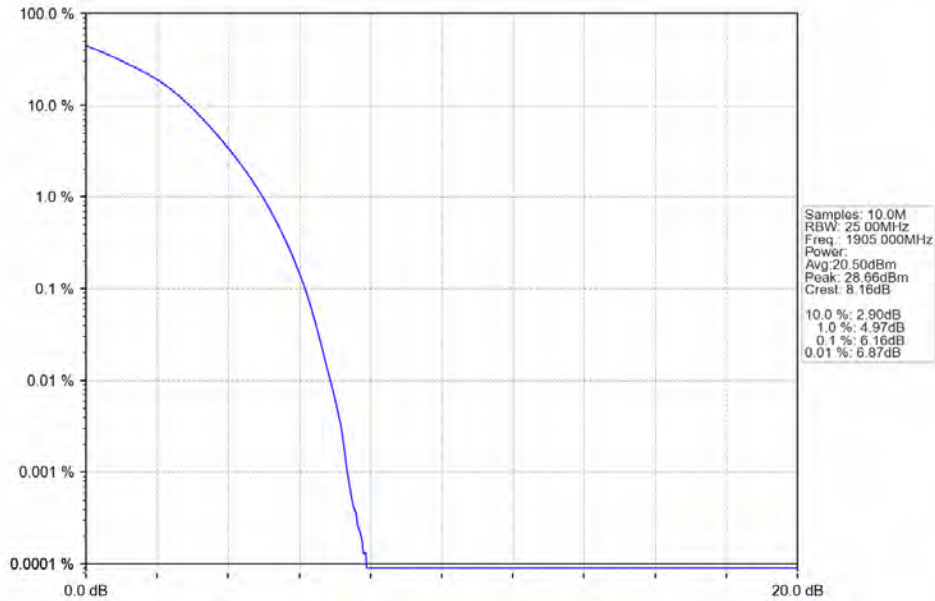
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5. Spurious Emission & Band Edges

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
		1	0	Refer To Test Graph		Pass
			5	Refer To Test Graph		Pass
			0	Refer To Test Graph		Pass
16QAM	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
		1	0	Refer To Test Graph		Pass
			5	Refer To Test Graph		Pass
			0	Refer To Test Graph		Pass
	1914.3	1	0	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass



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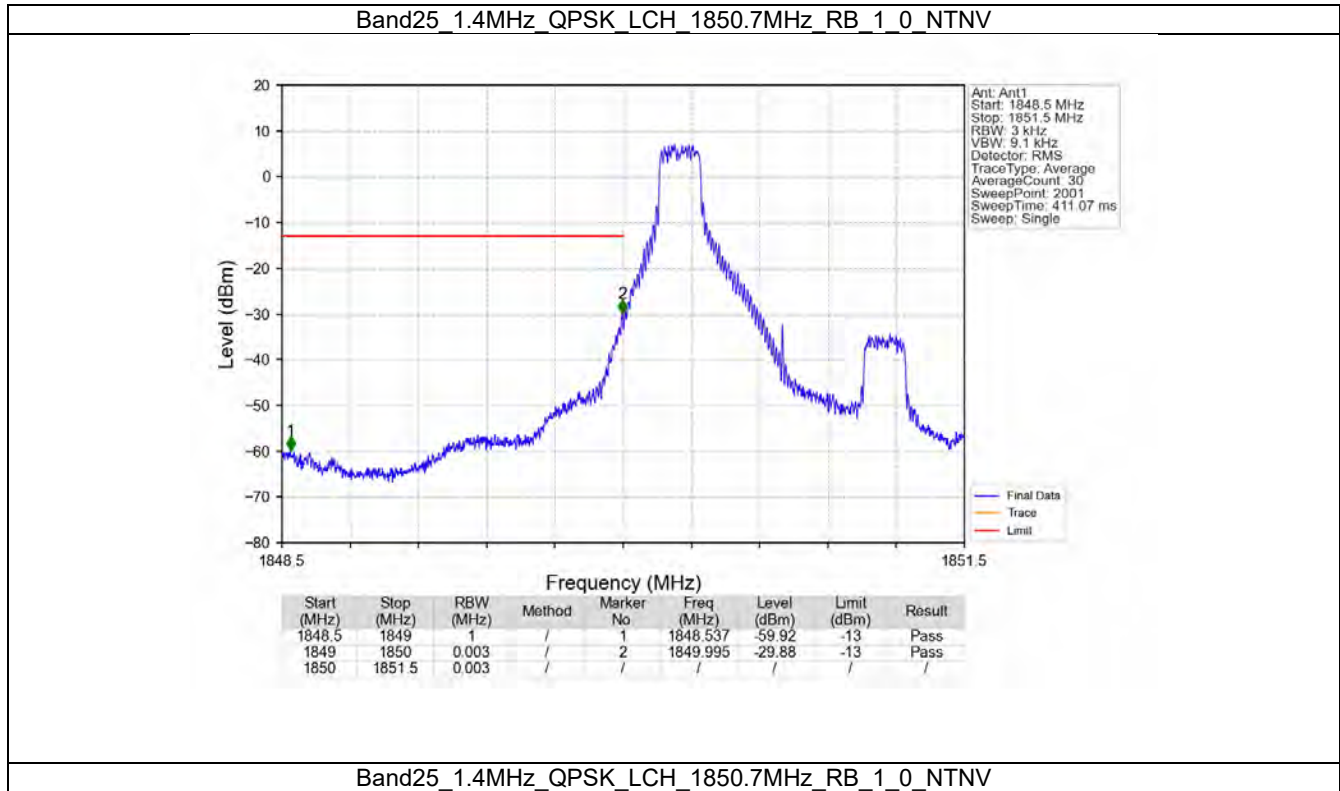
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5.1.2 Test Graph



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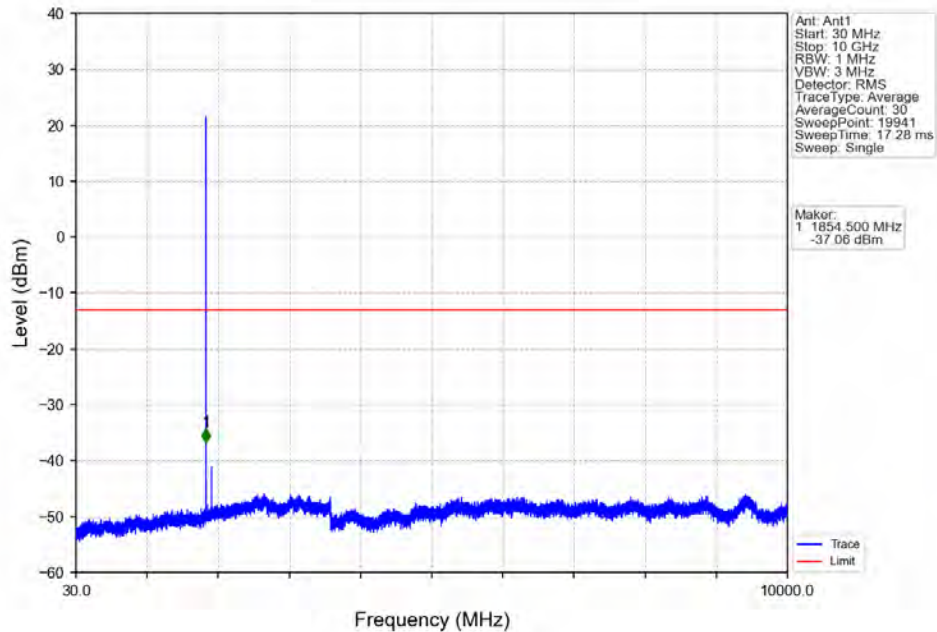
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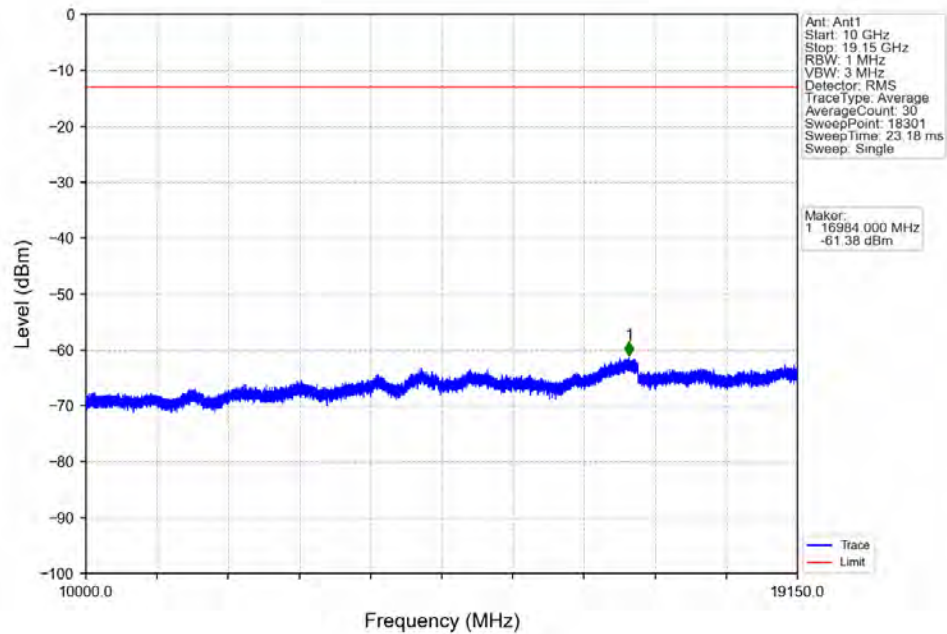
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Band25_1.4MHz_QPSK_LCH_1850.7MHz_RB_1_0_NTNV



Band25_1.4MHz_QPSK_LCH_1850.7MHz_RB_6_0_NTNV



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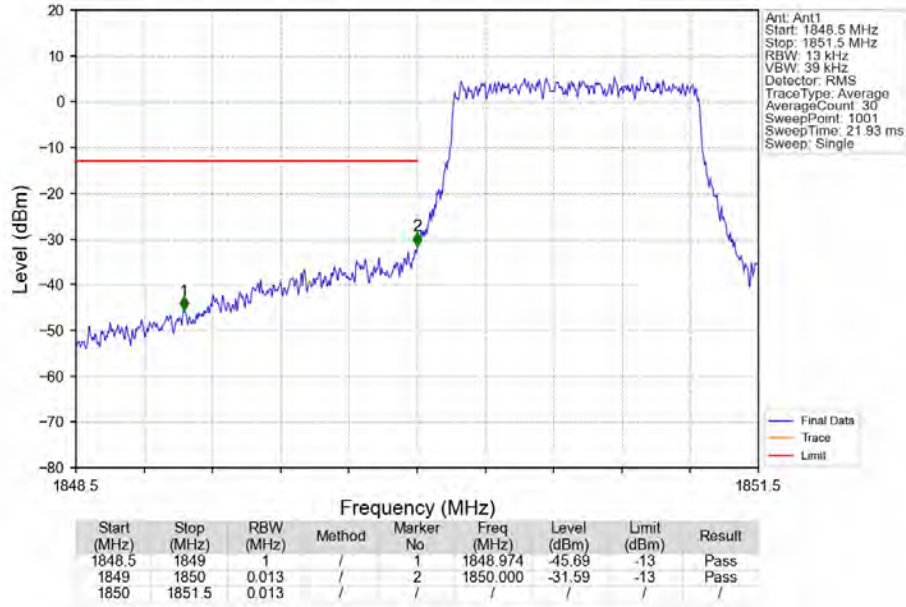
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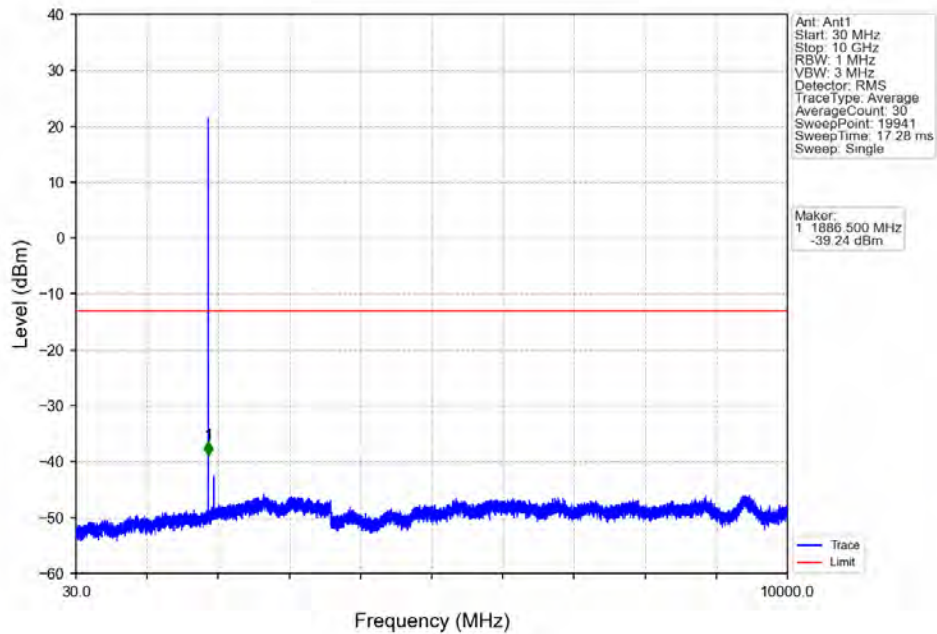
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Band25 1.4MHz QPSK MCH 1882.5MHz_RB 1 0 NTN



Band25 1.4MHz QPSK MCH 1882.5MHz_RB 1 0 NTN



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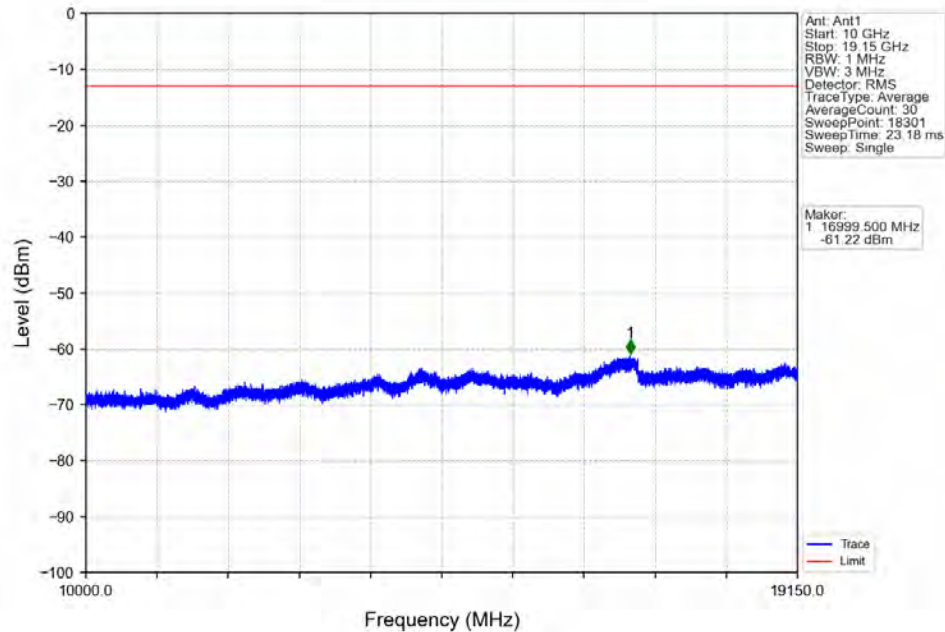
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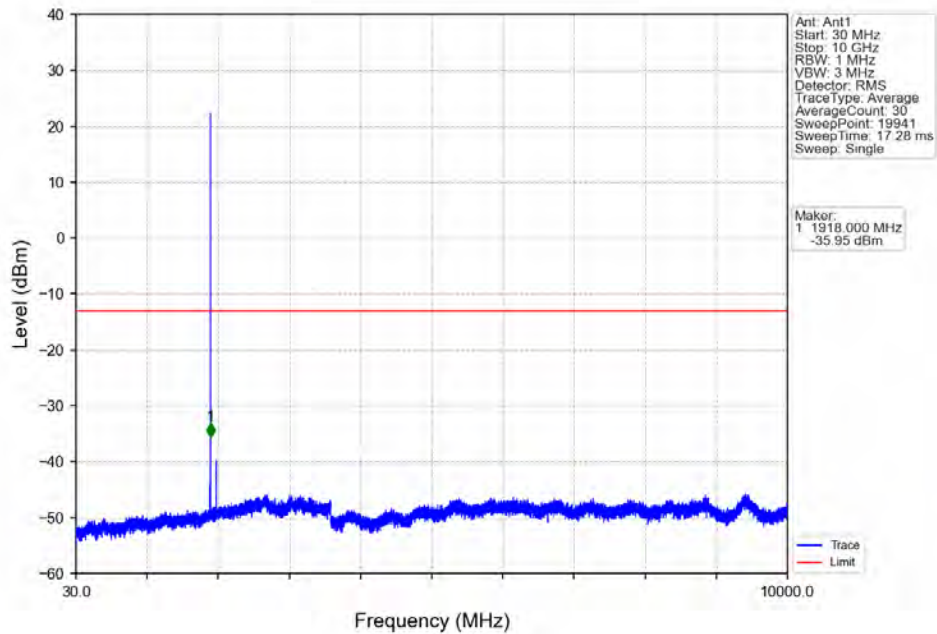
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Band25 1.4MHz QPSK HCH 1914.3MHz_RB_1_0_NTNV



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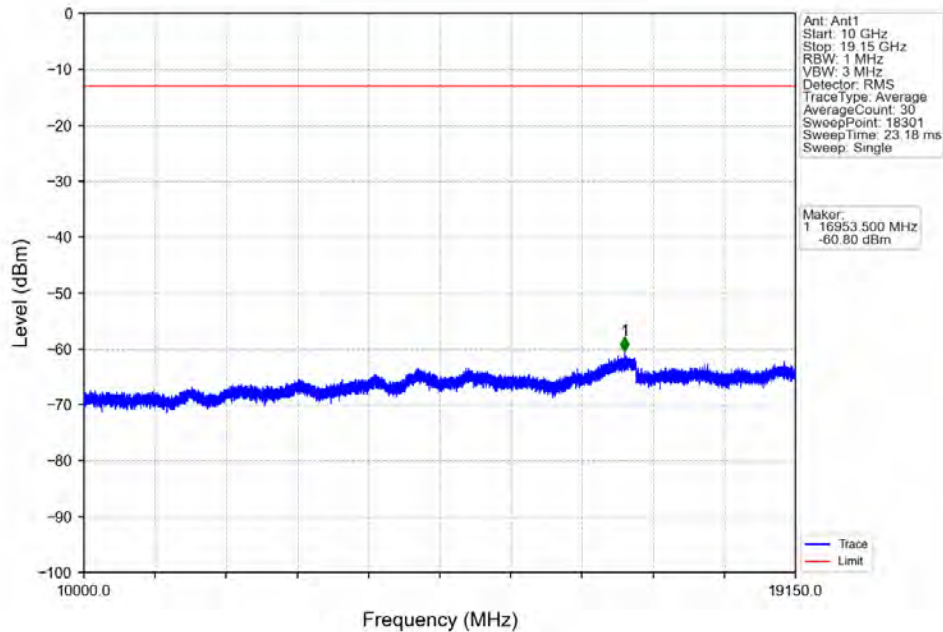
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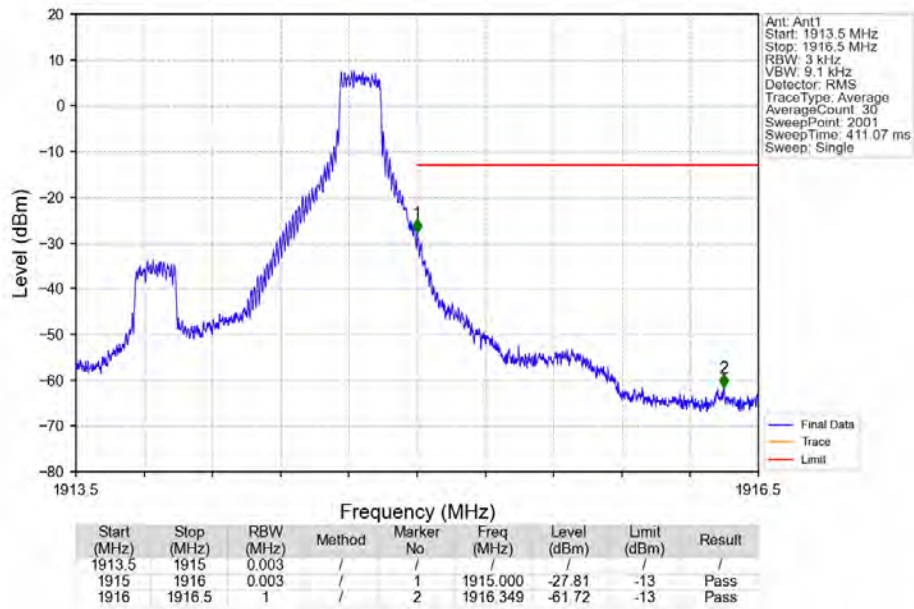
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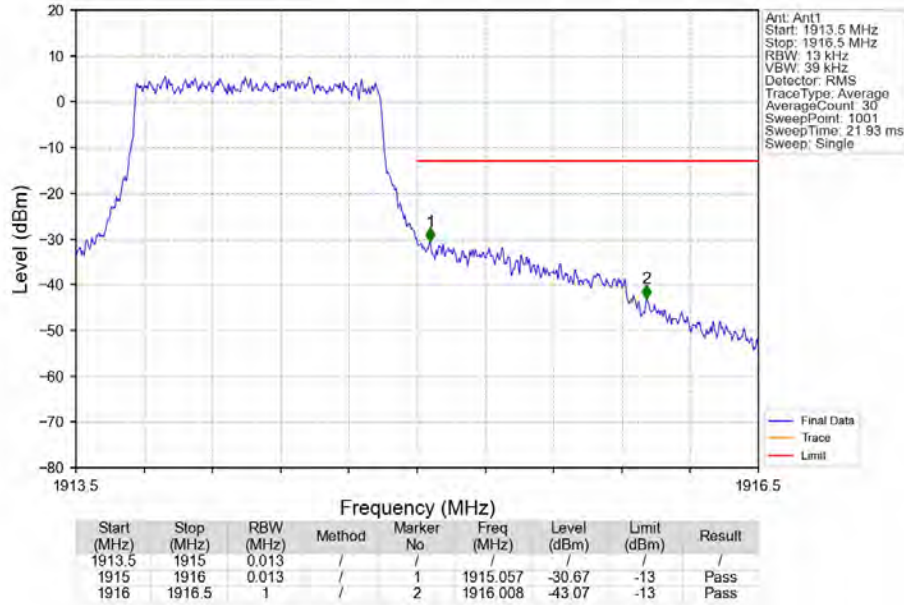
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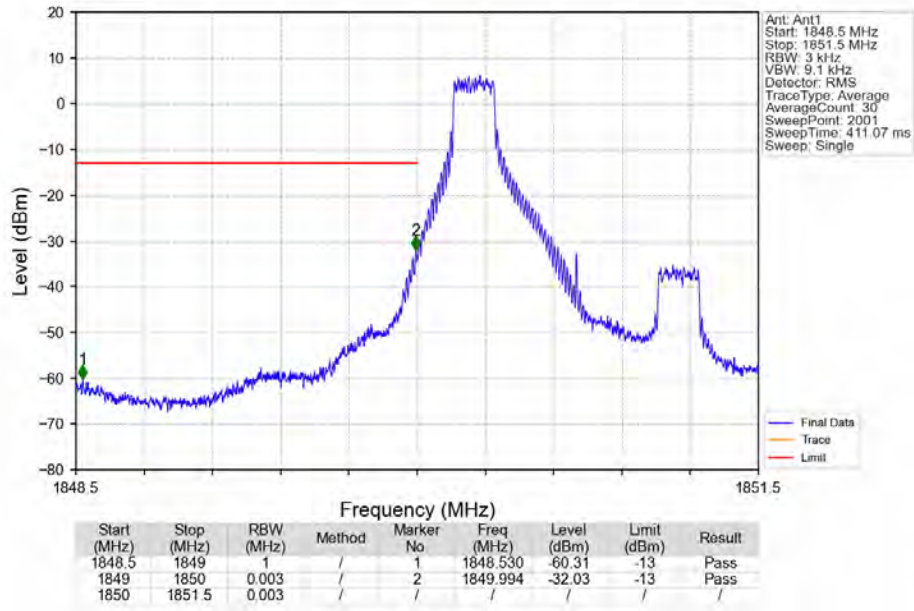
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Band25 1.4MHz 16QAM LCH 1850.7MHz RB 1 0 NTN



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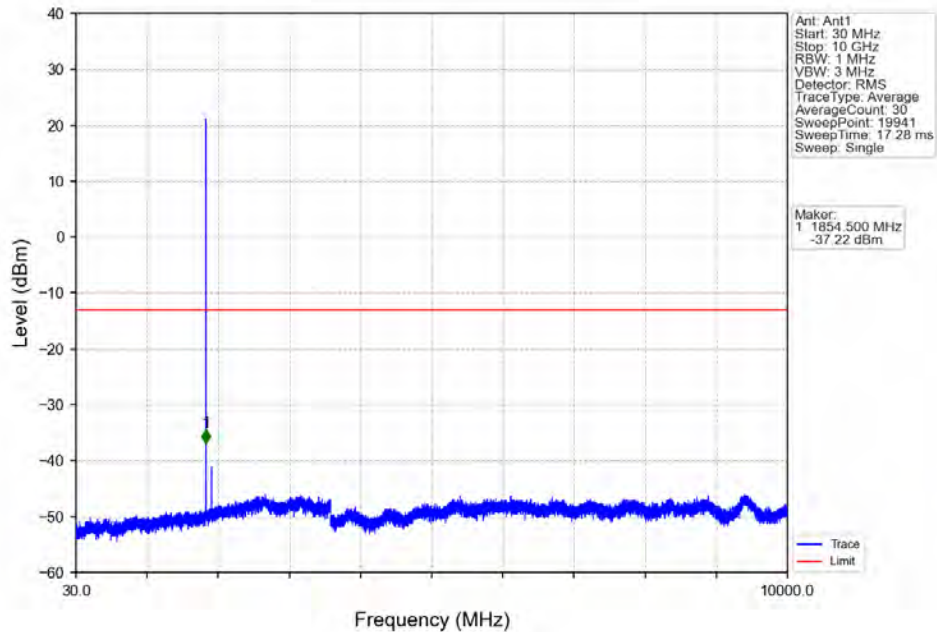
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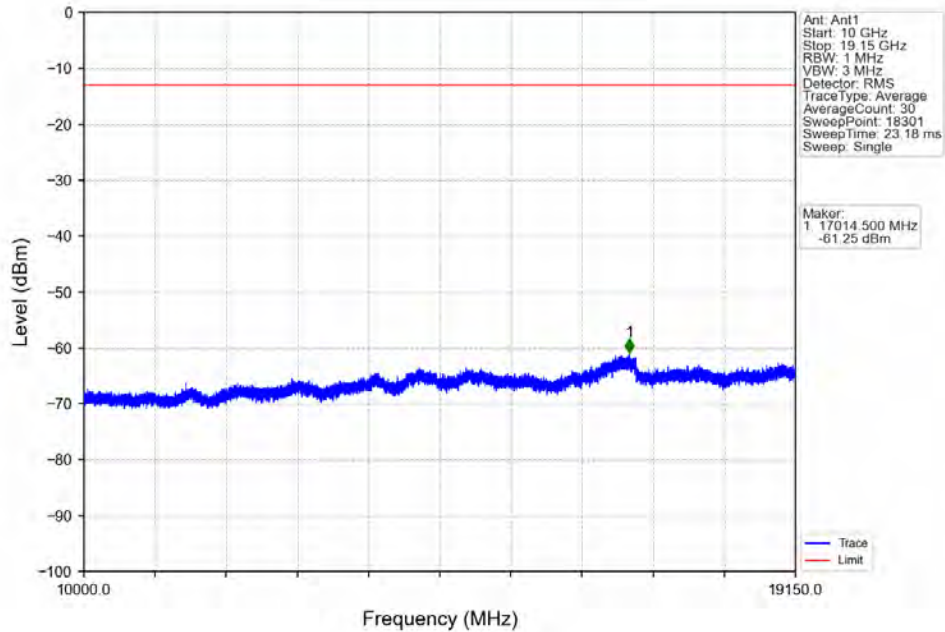
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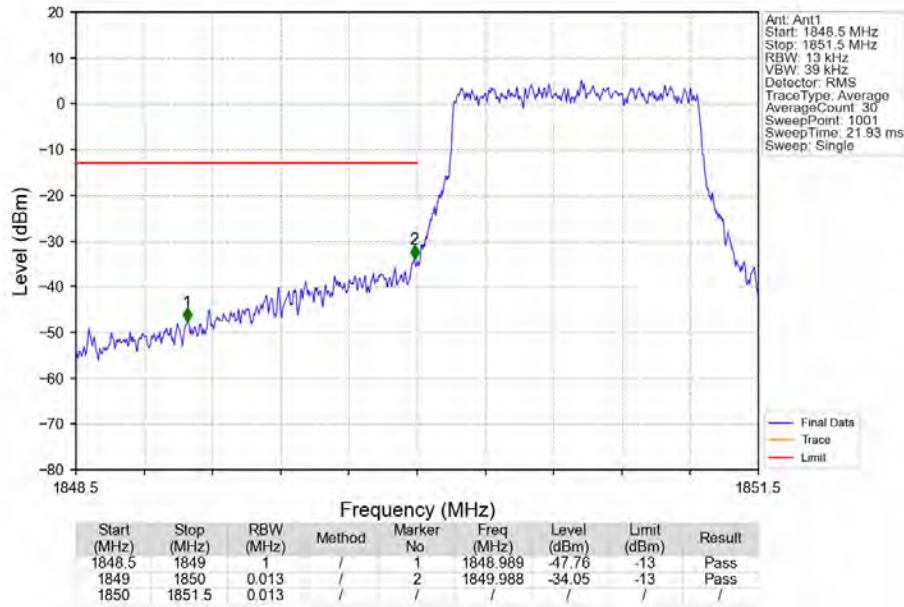
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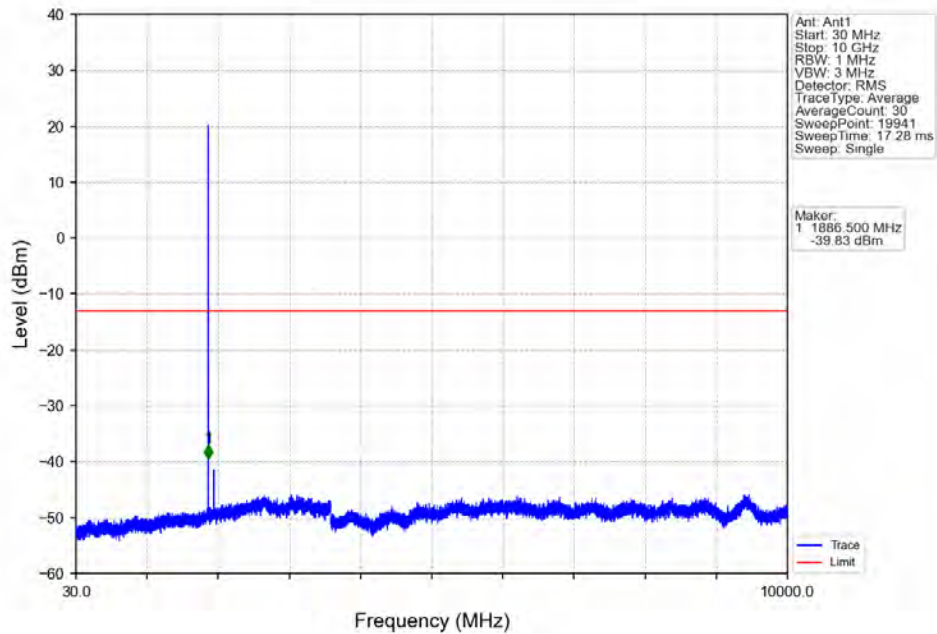
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Band25_1.4MHz_16QAM_MCH_1882.5MHz_RB_1_0_NTNV



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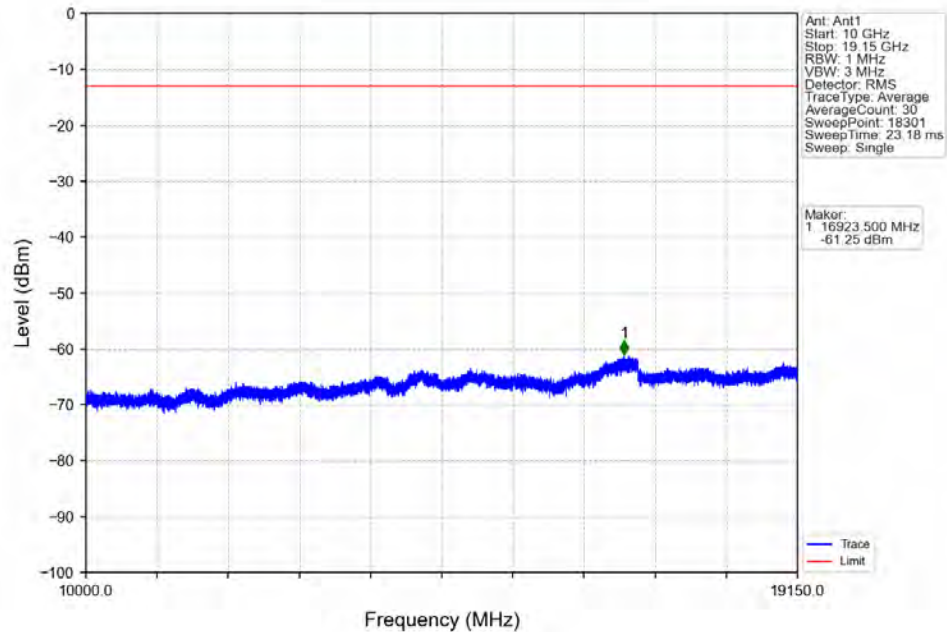
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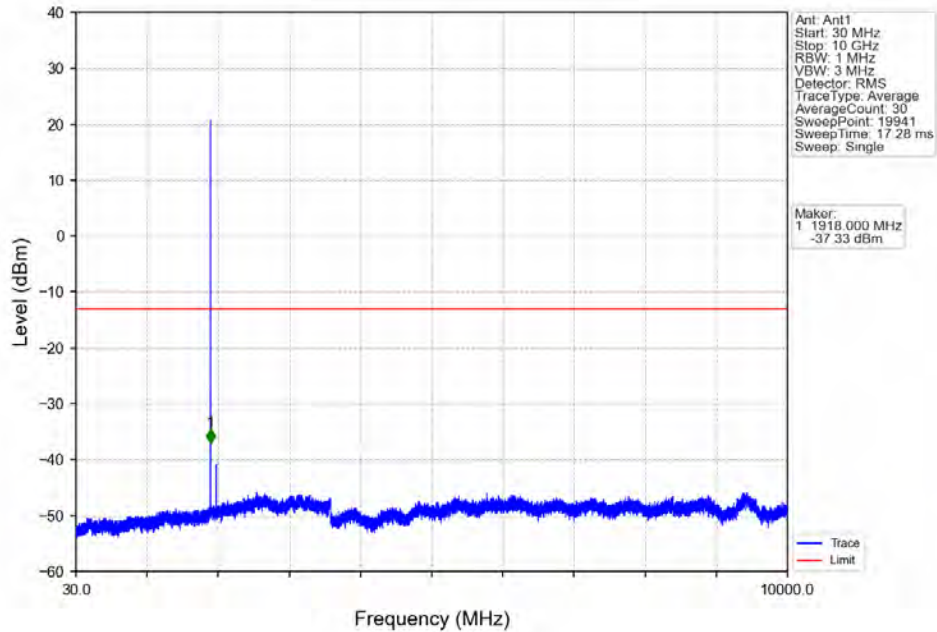
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Band25_1.4MHz_16QAM_HCH_1914.3MHz_RB_1_0_NTNV



Band25_1.4MHz_16QAM_HCH_1914.3MHz_RB_1_0_NTNV



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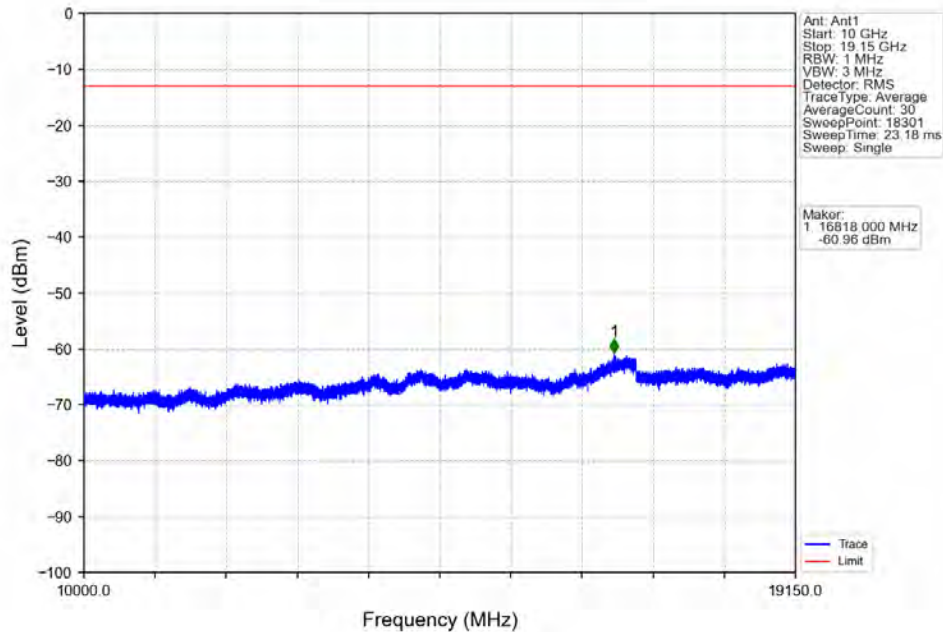
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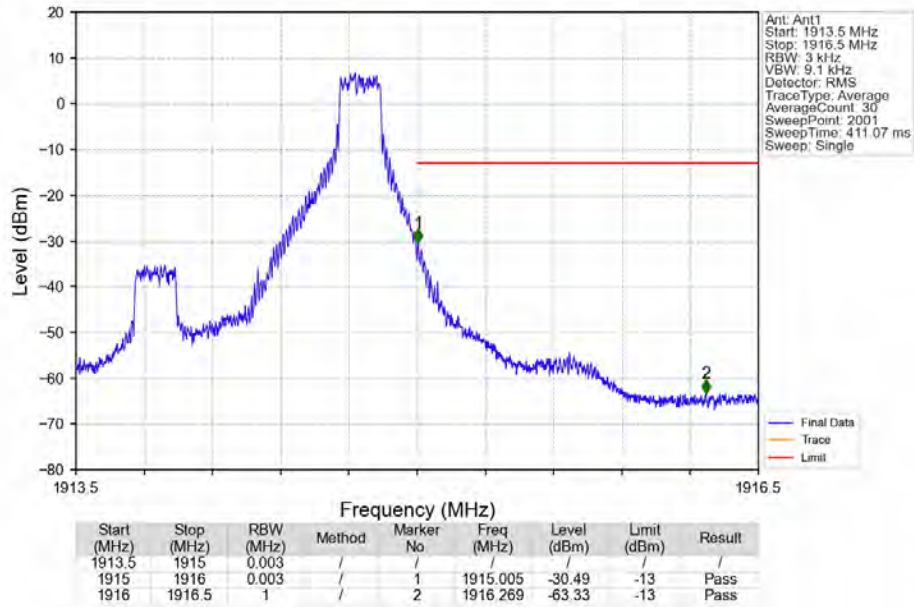
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Band25_1.4MHz_16QAM_HCH_1914.3MHz_RB_6_0_NTNV



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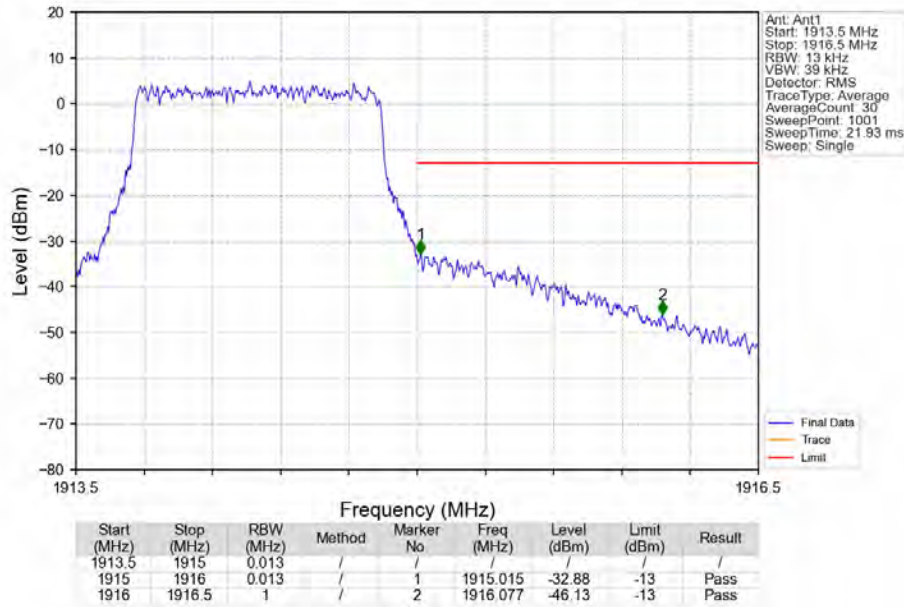
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5.2 B25_3MHz

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
16QAM	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



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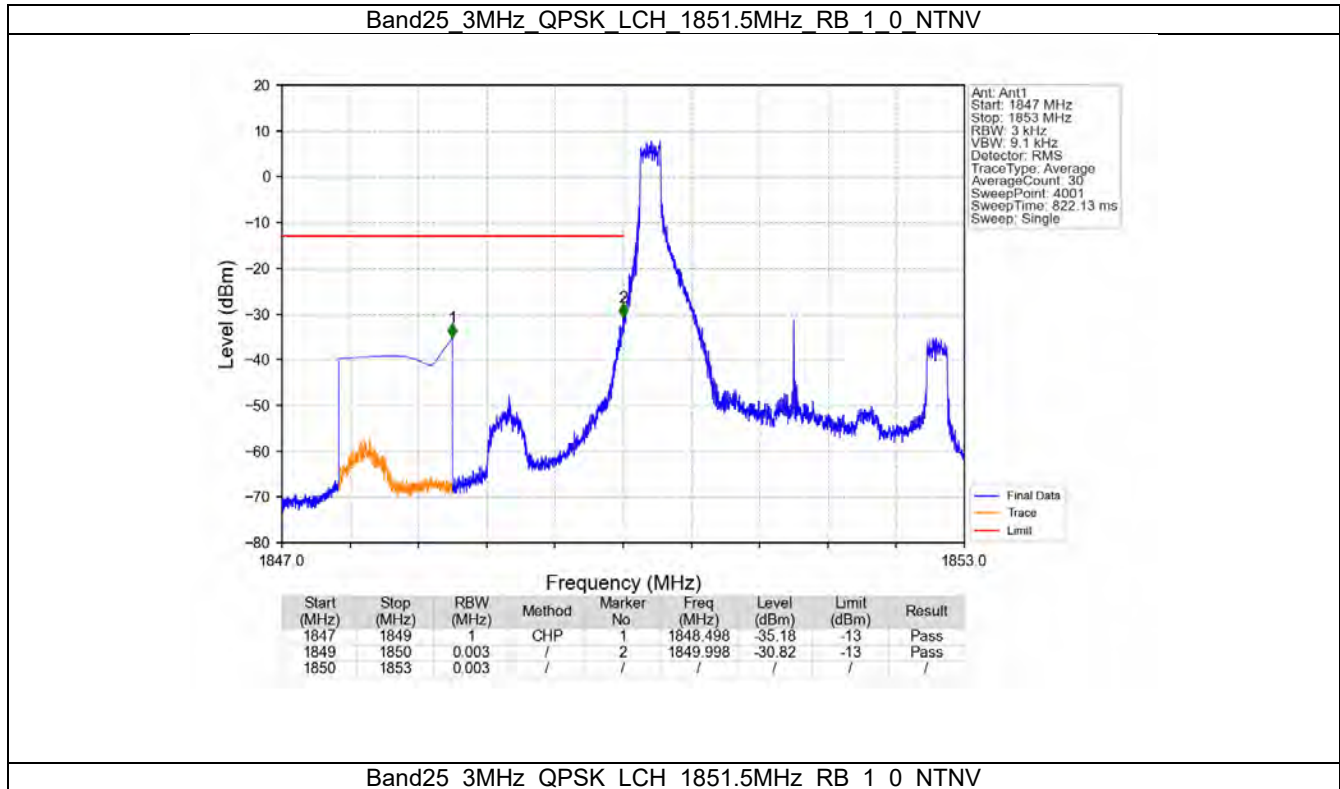
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5.2.2 Test Graph



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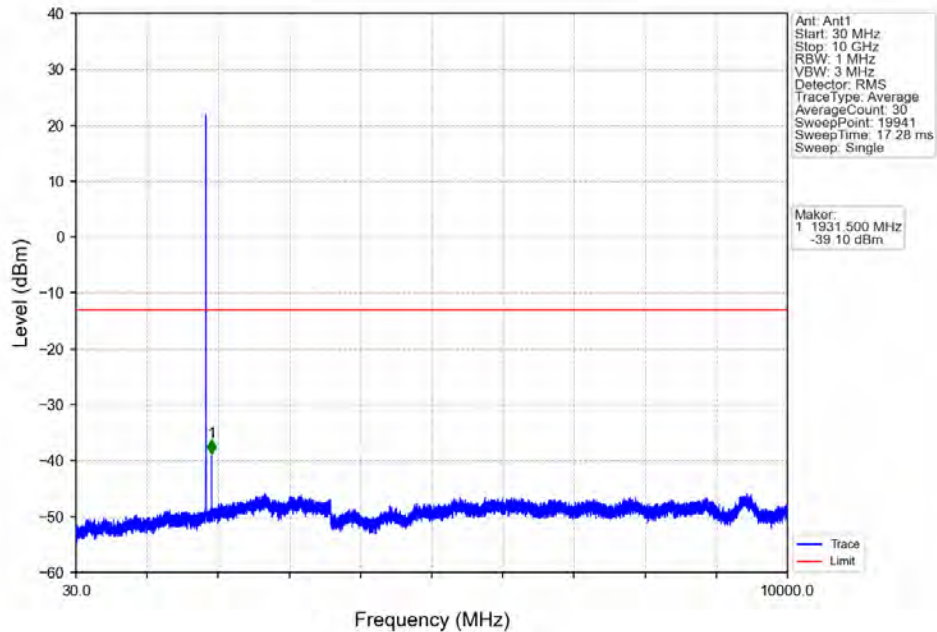
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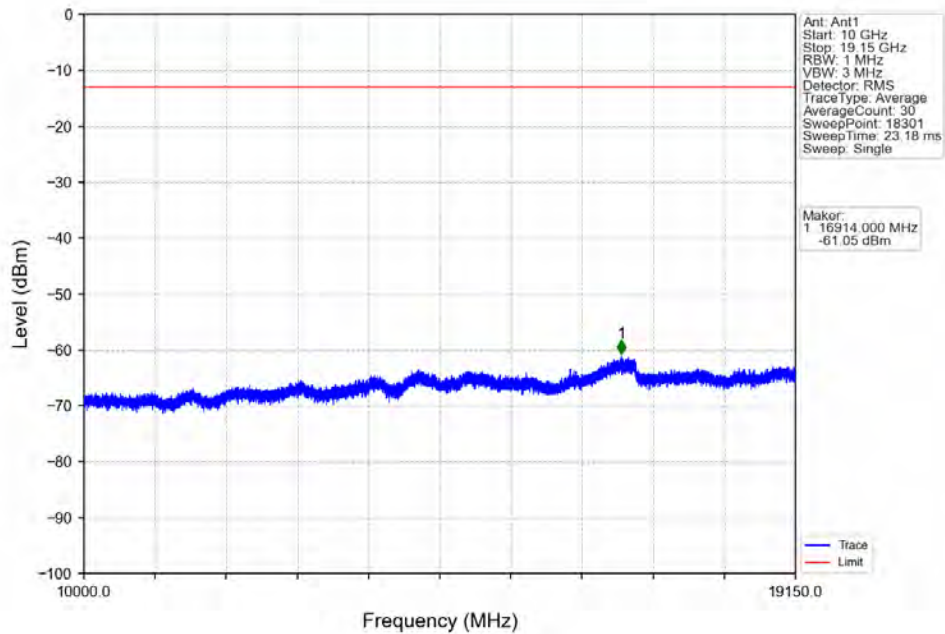
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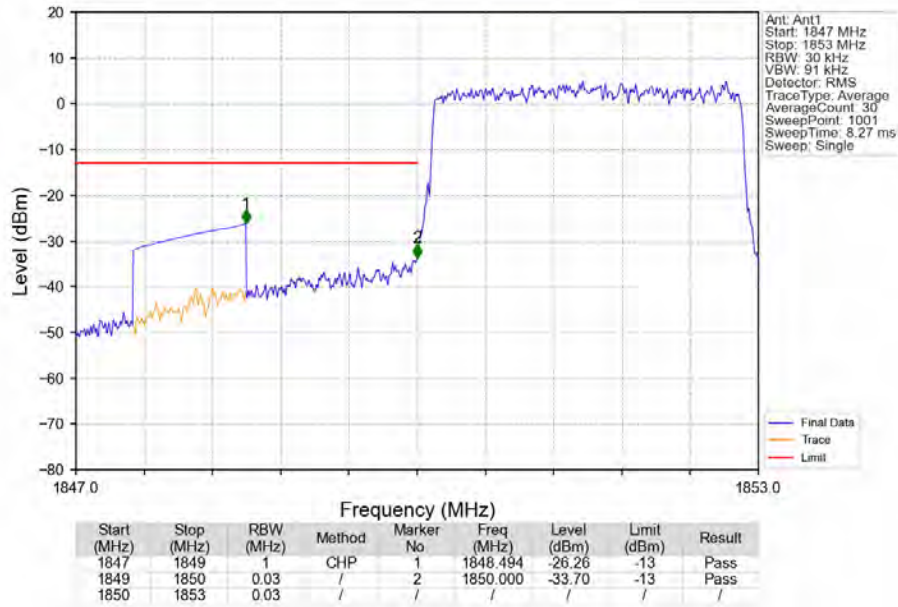
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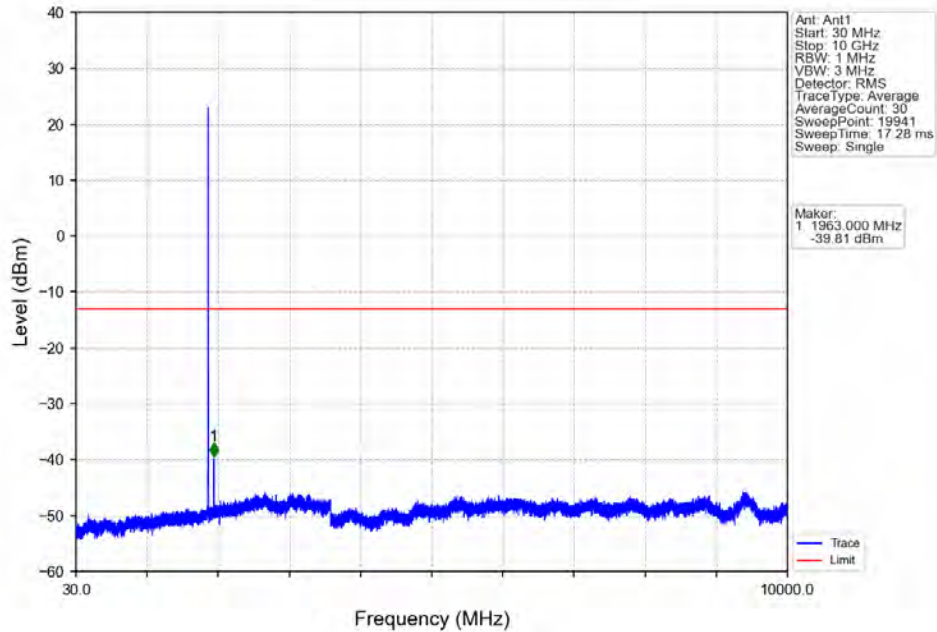
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Band25_3MHz_QPSK_MCH_1882.5MHz_RB_1_0_NTNV



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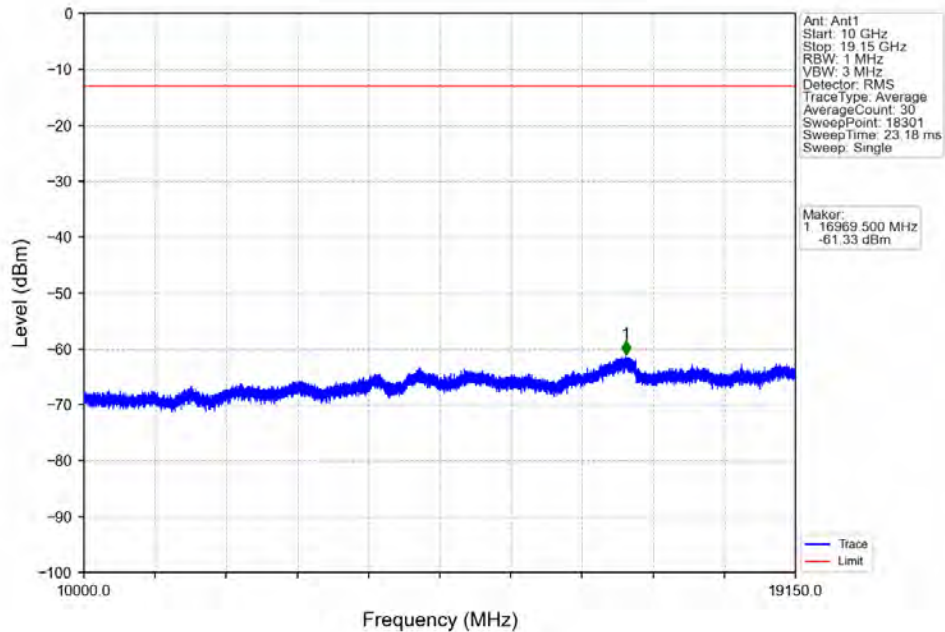
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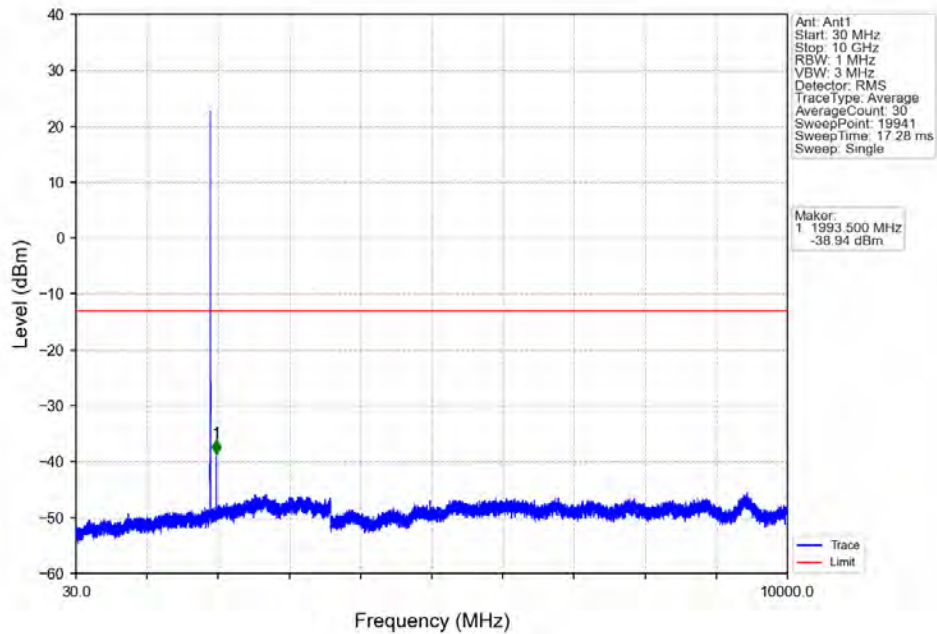
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Band25_3MHz_QPSK_HCH_1913.5MHz_RB_1_0_NTNV



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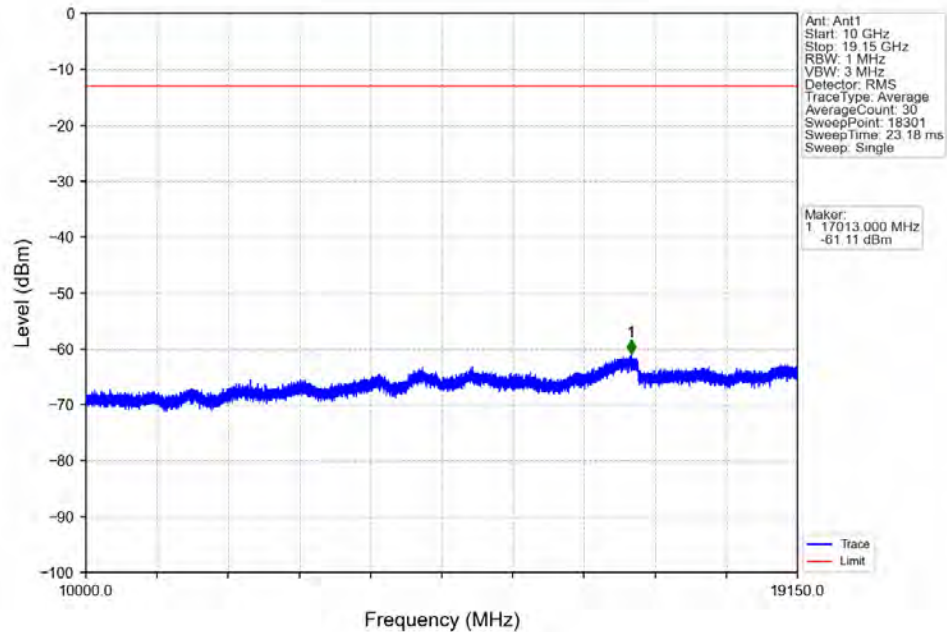
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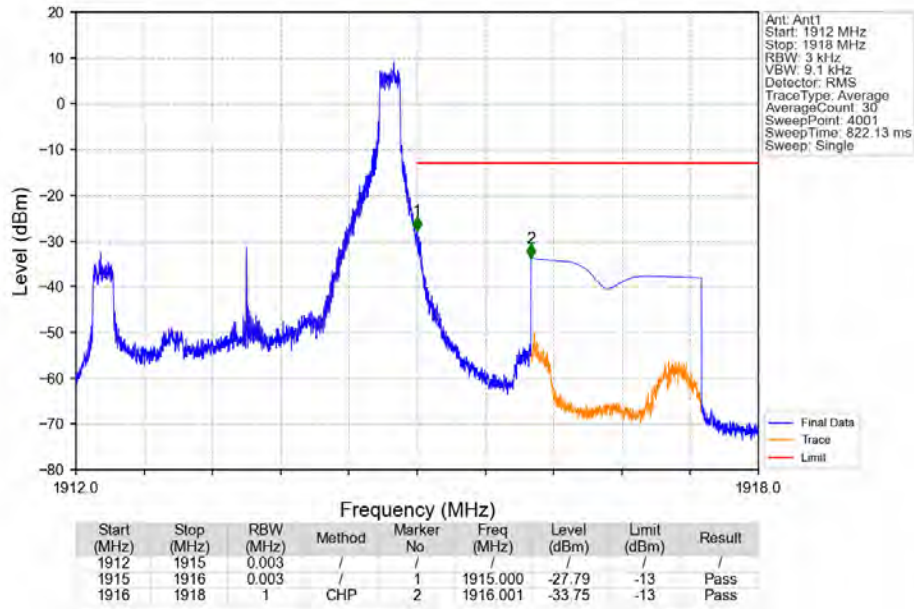
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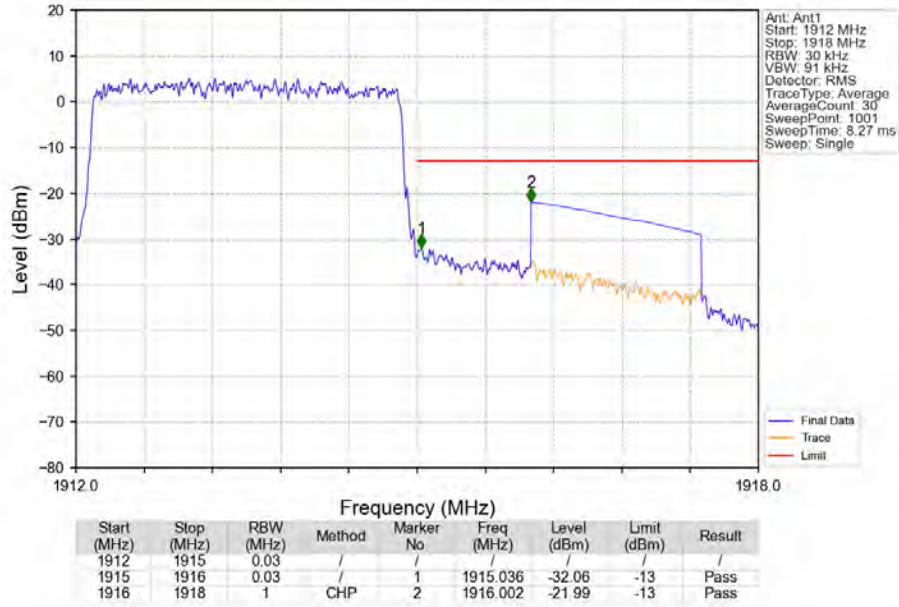
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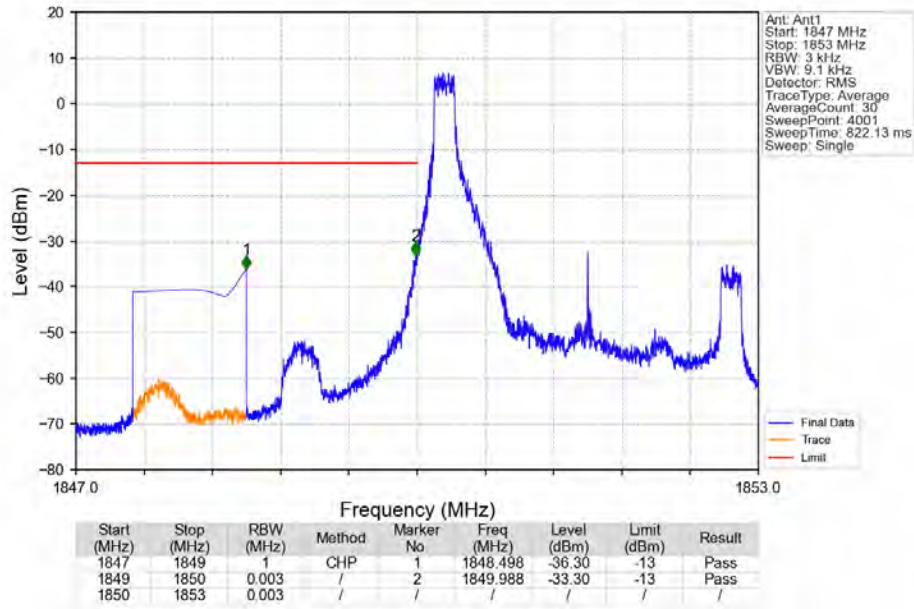
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Band25_3MHz_16QAM_LCH_1851.5MHz_RB_1_0_NTNV



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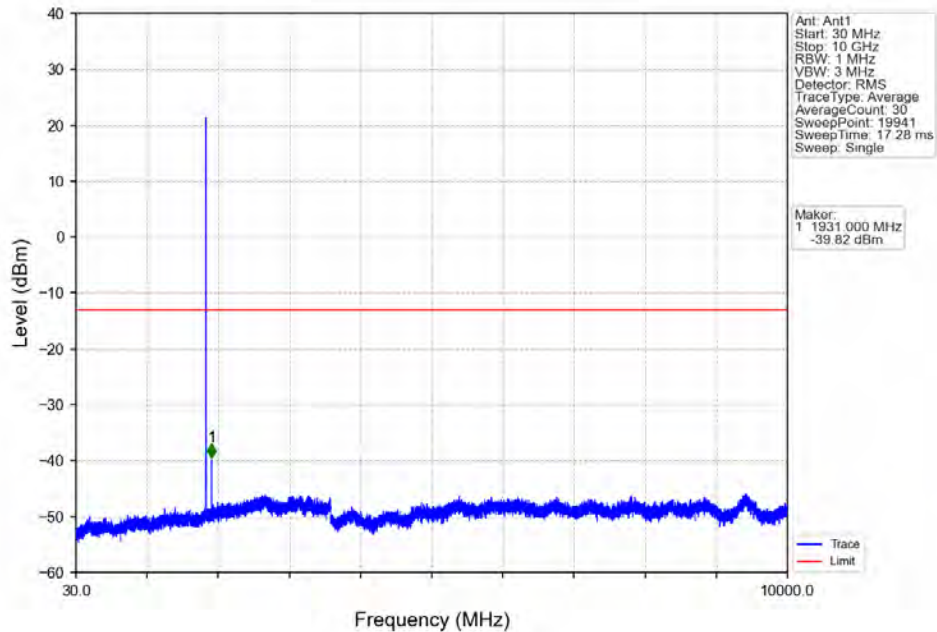
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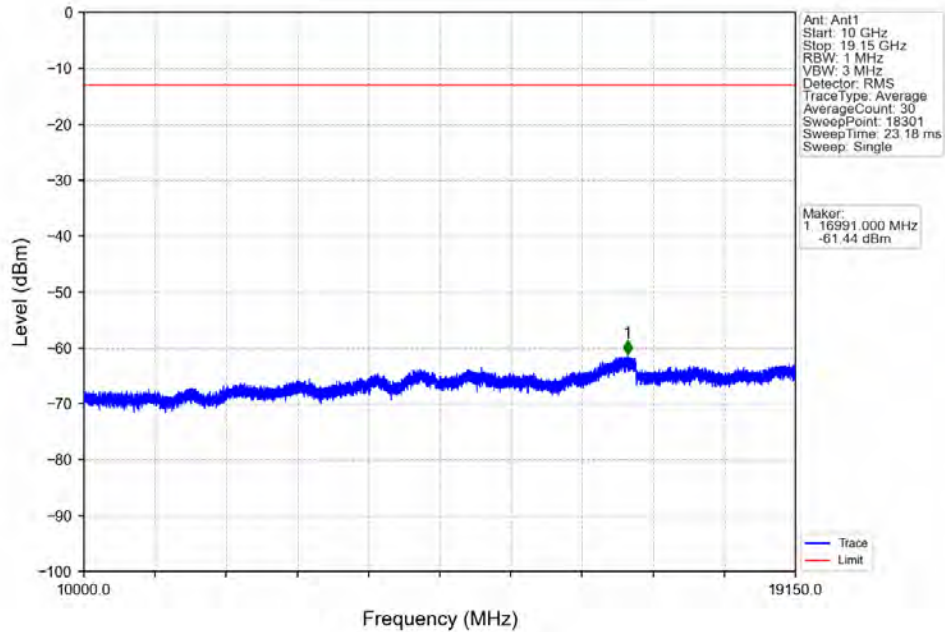
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Band25_3MHz_16QAM_LCH_1851.5MHz_RB_15_0_NTNV



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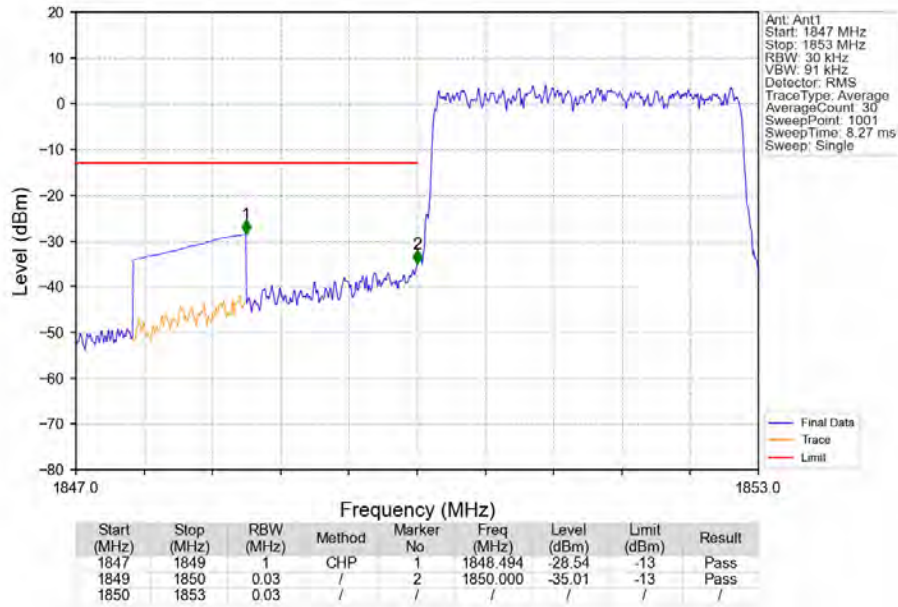
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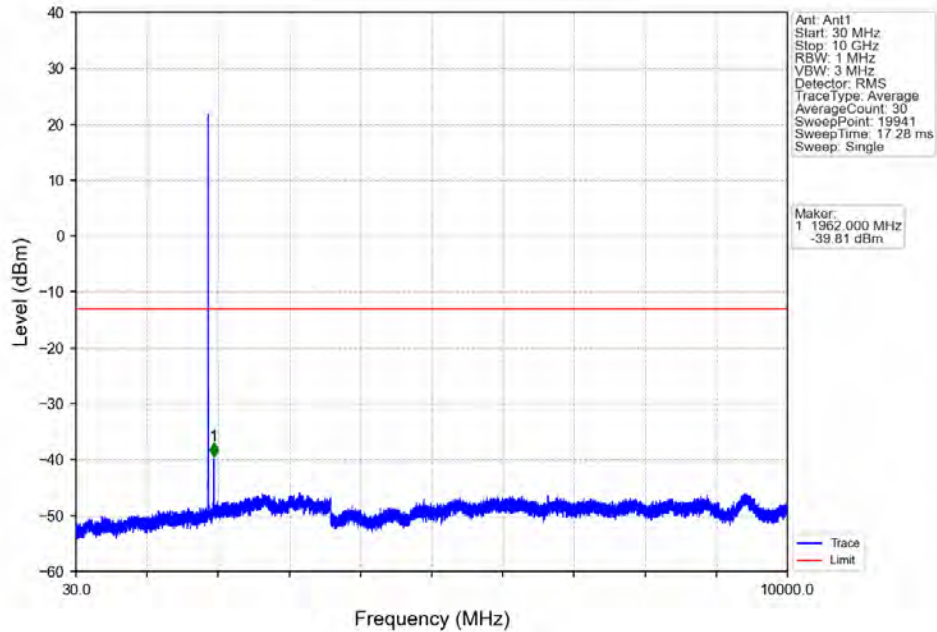
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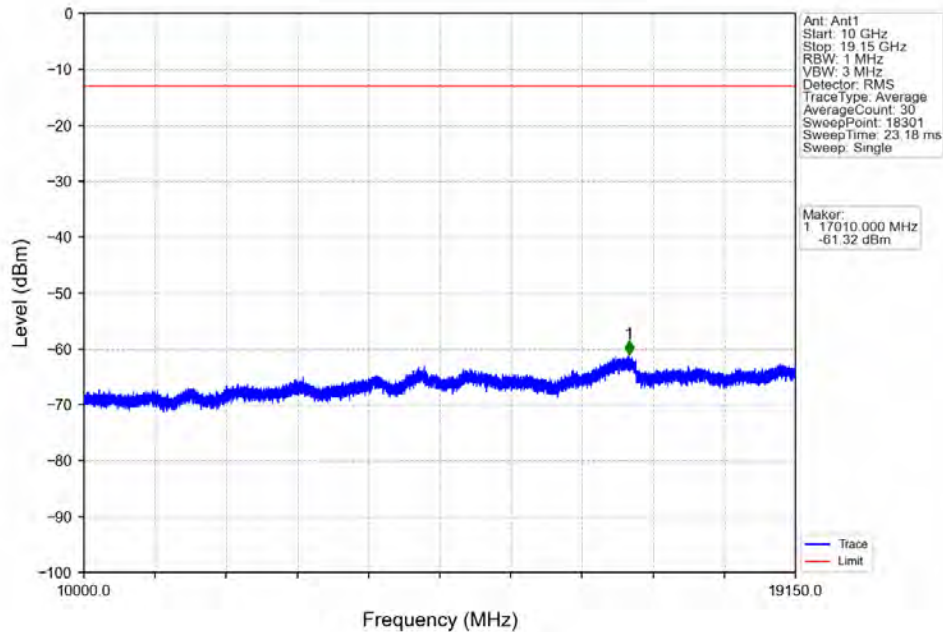
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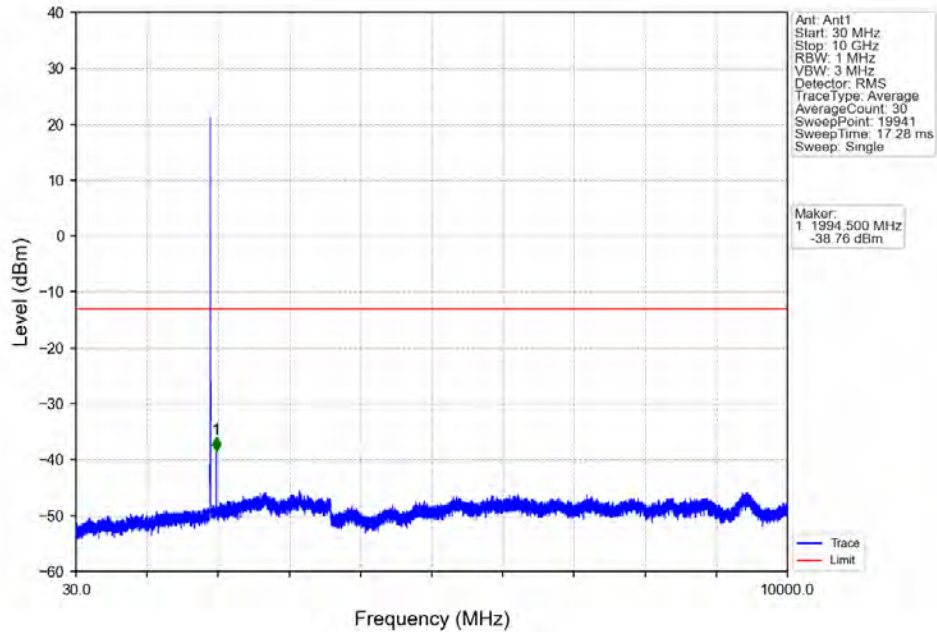
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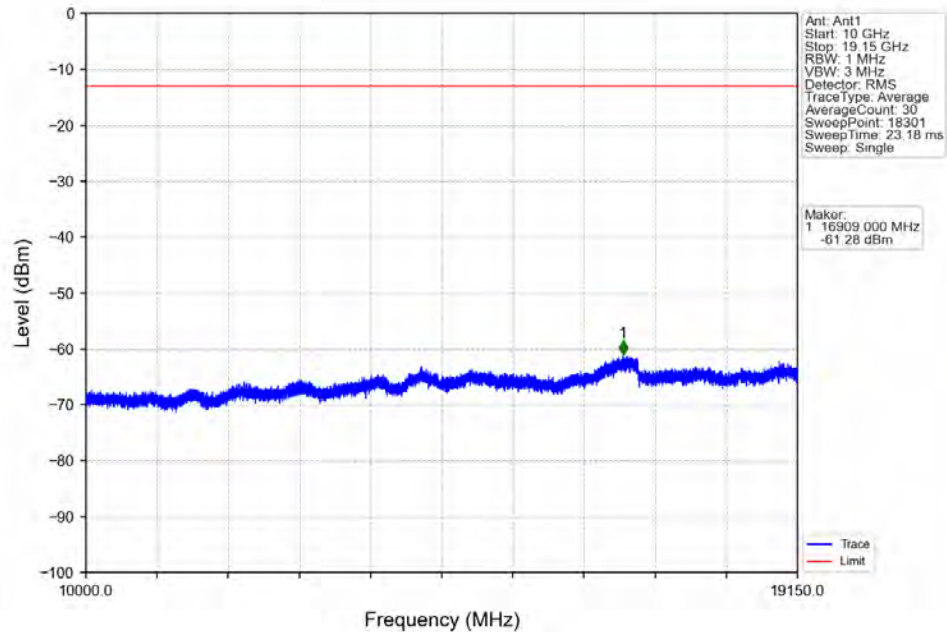
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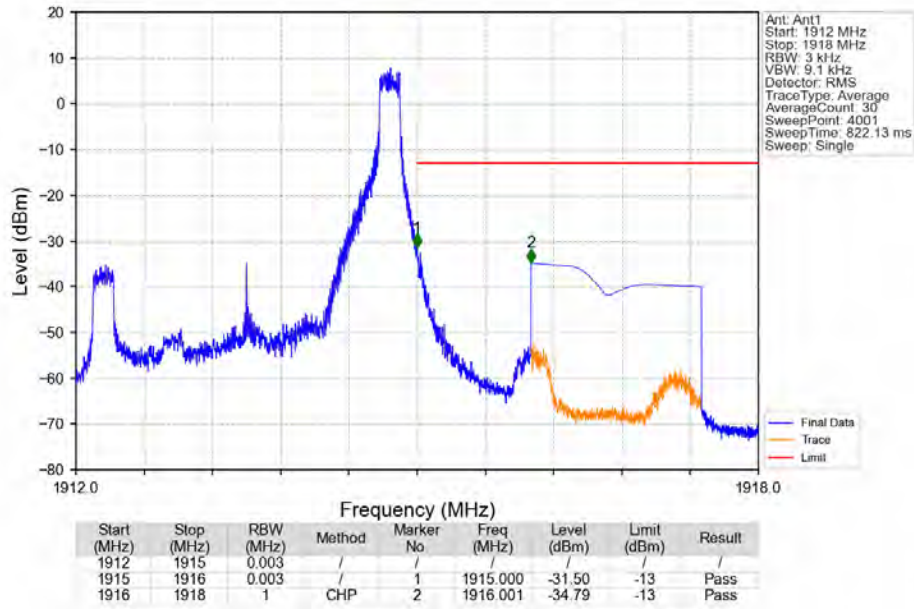
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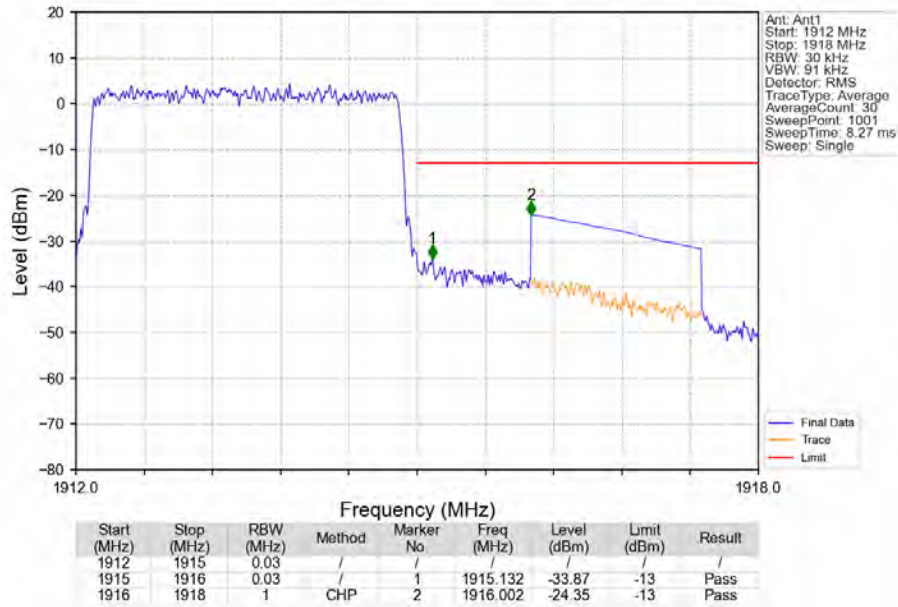
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5.3 B25_5MHz

5.3.1 Test Result

Band: 25 / 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
	1882.5	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
	1912.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
16QAM	1852.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	1882.5	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
	1912.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass



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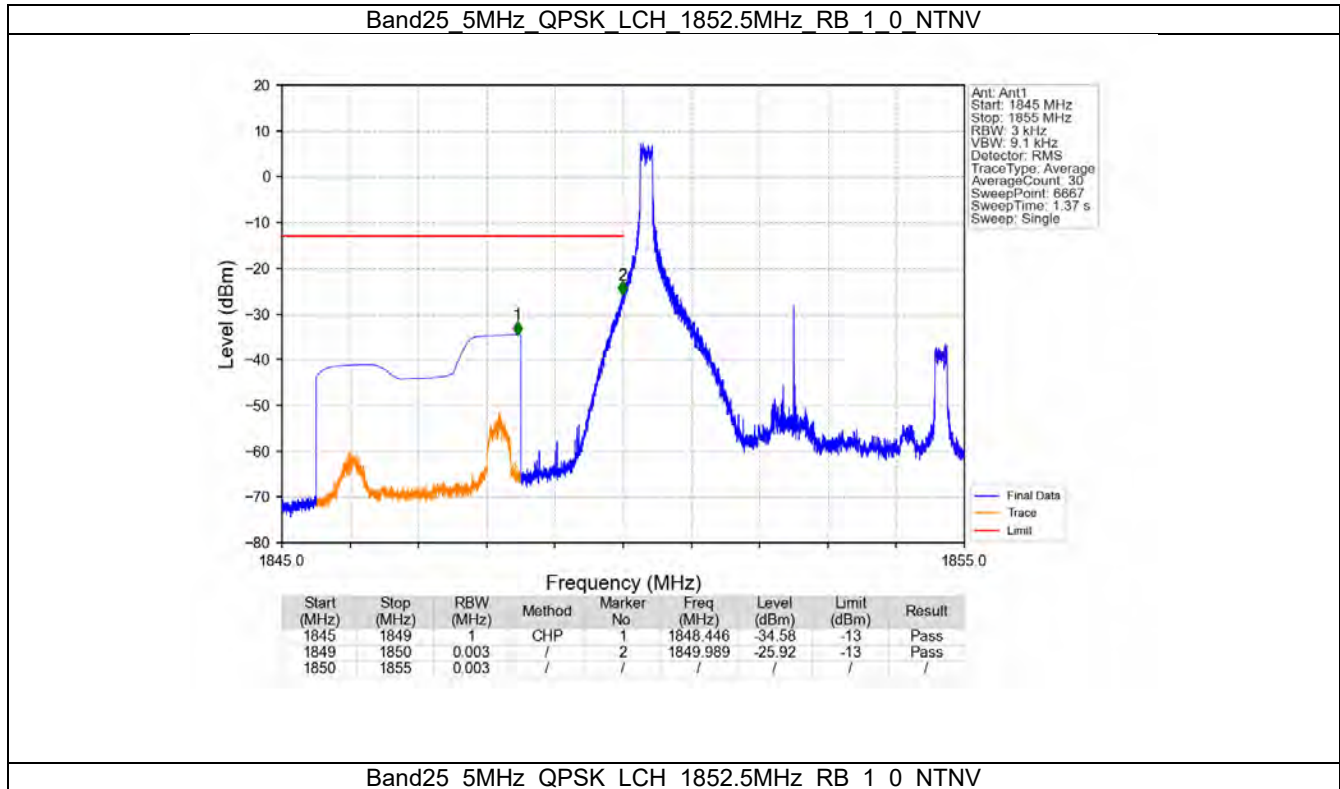
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5.3.2 Test Graph



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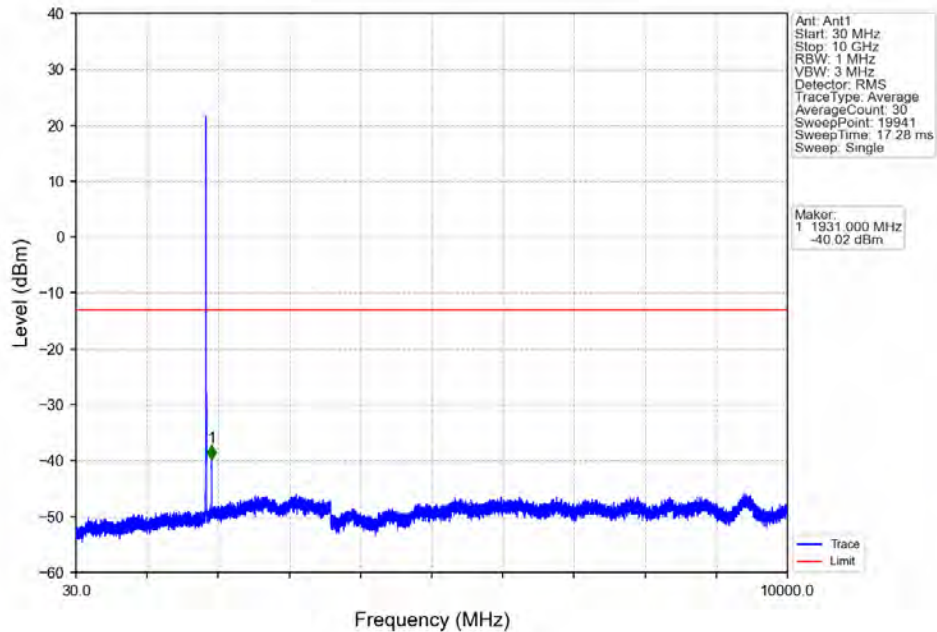
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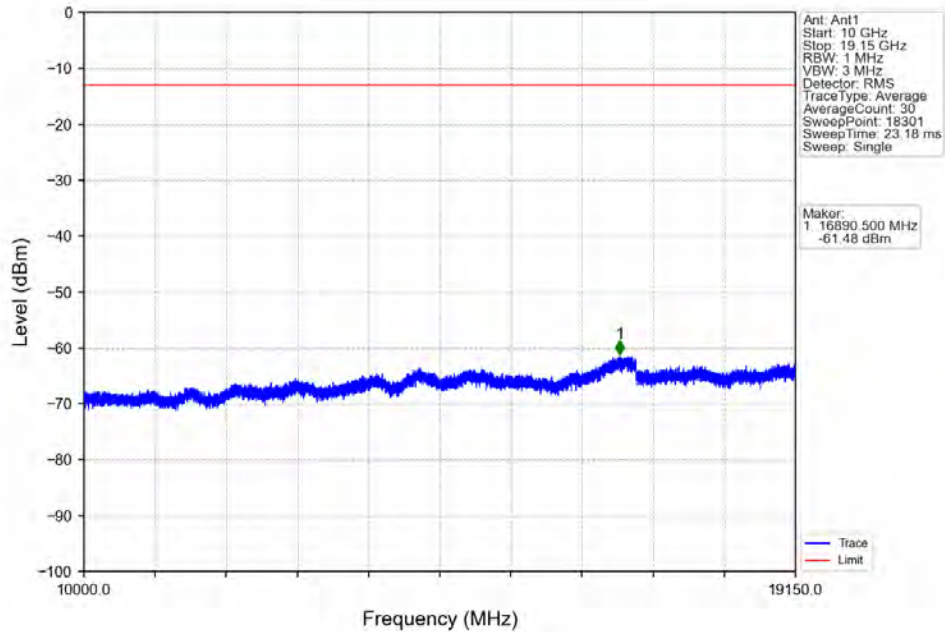
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Band25_5MHz_QPSK_LCH_1852.5MHz_RB_1_0_NTNV



Band25_5MHz_QPSK_LCH_1852.5MHz_RB_25_0_NTNV



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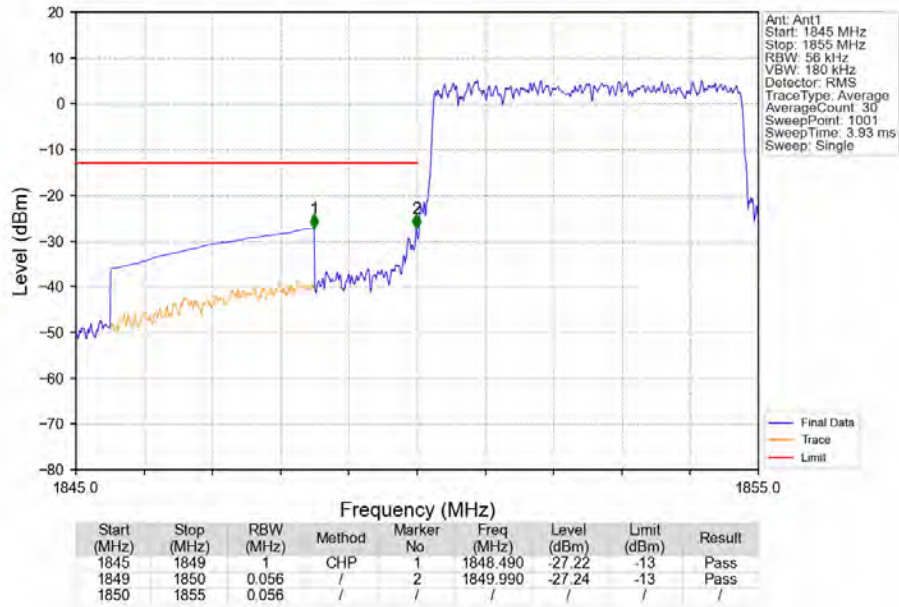
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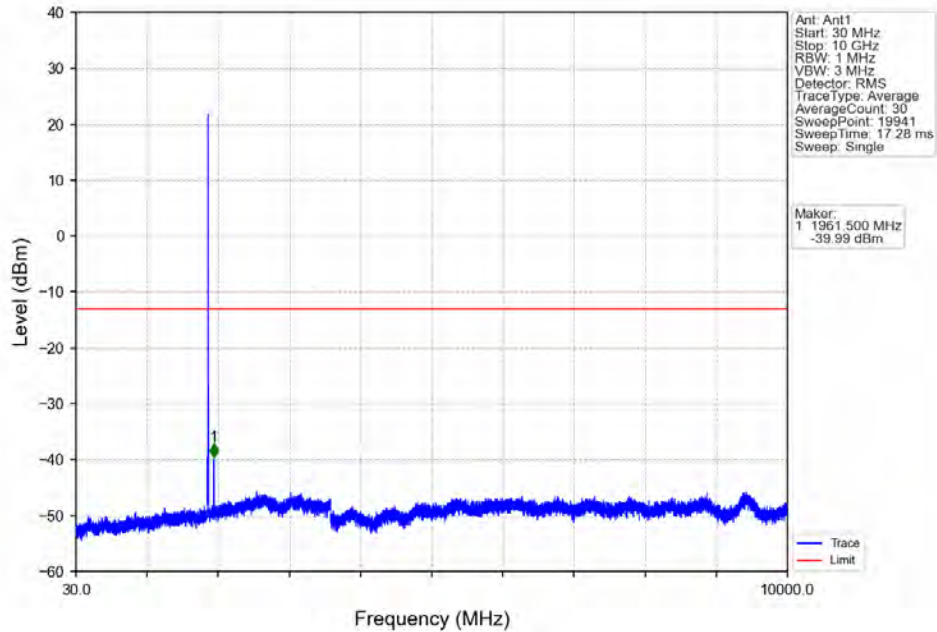
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Band25_5MHz_QPSK_MCH_1882.5MHz_RB_1_0_NTNV



Band25_5MHz_QPSK_MCH_1882.5MHz_RB_1_0_NTNV



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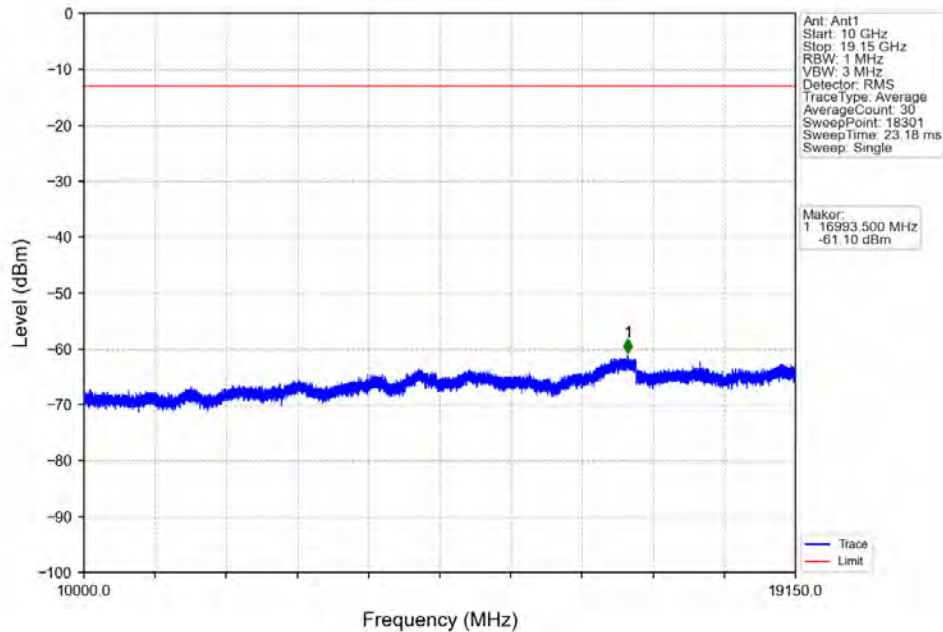
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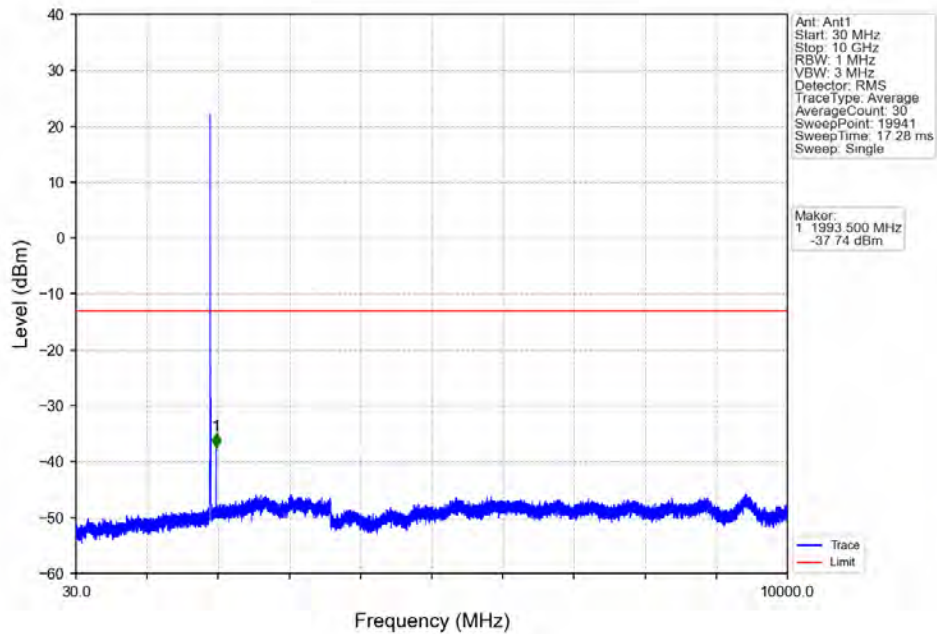
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Band25_5MHz_QPSK_HCH_1912.5MHz_RB_1_0_NTNV



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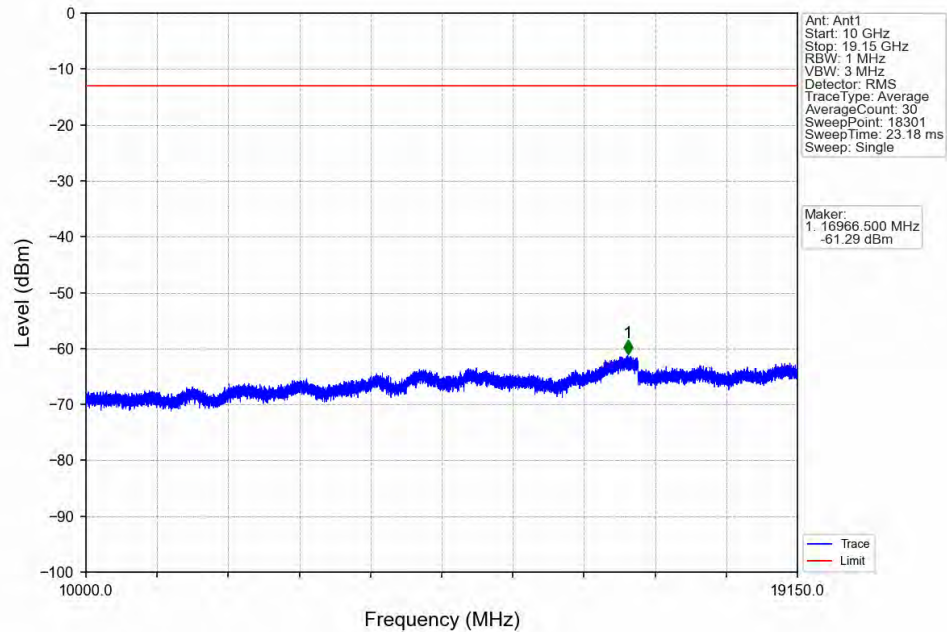
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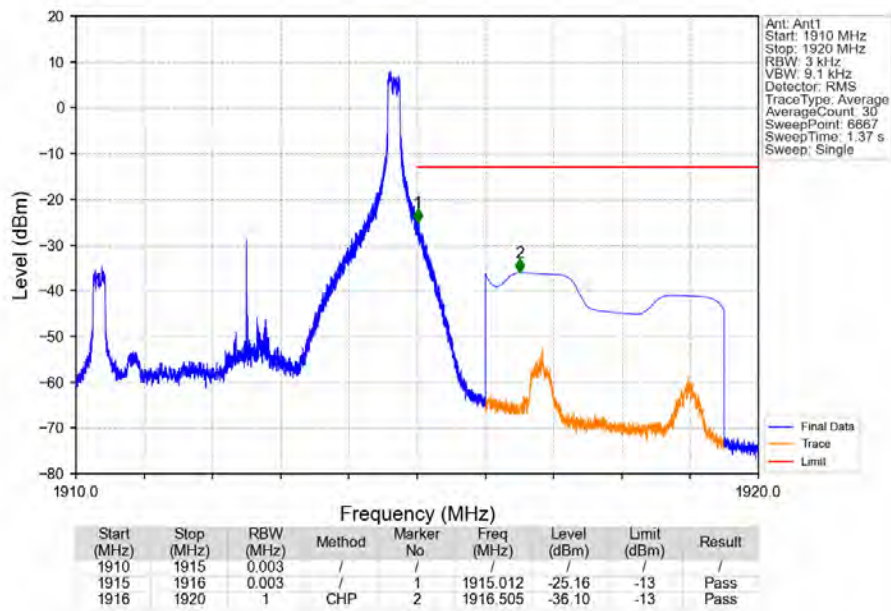
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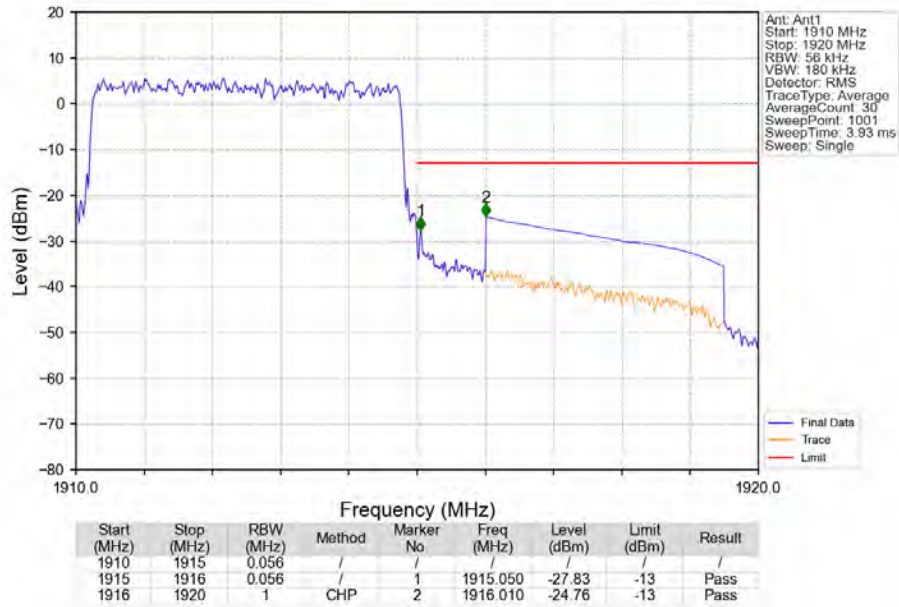
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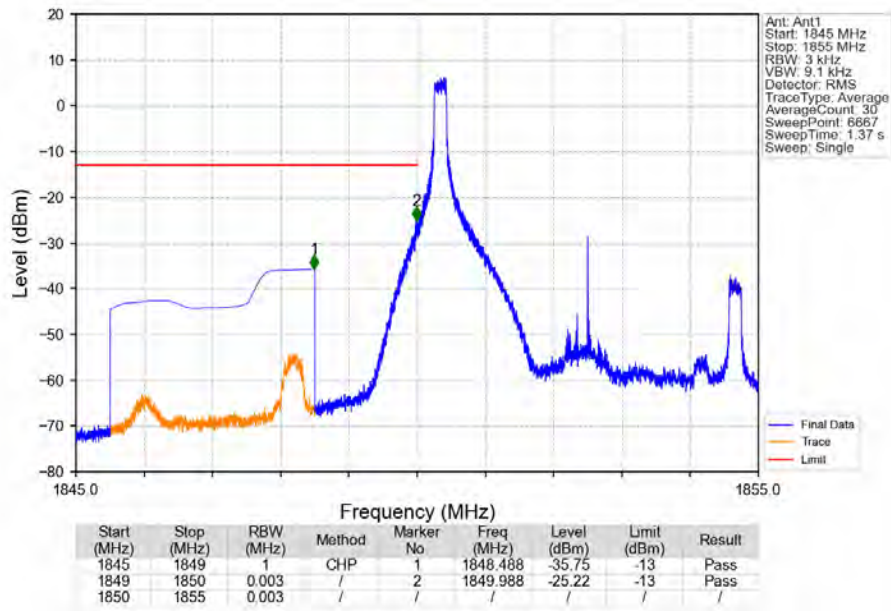
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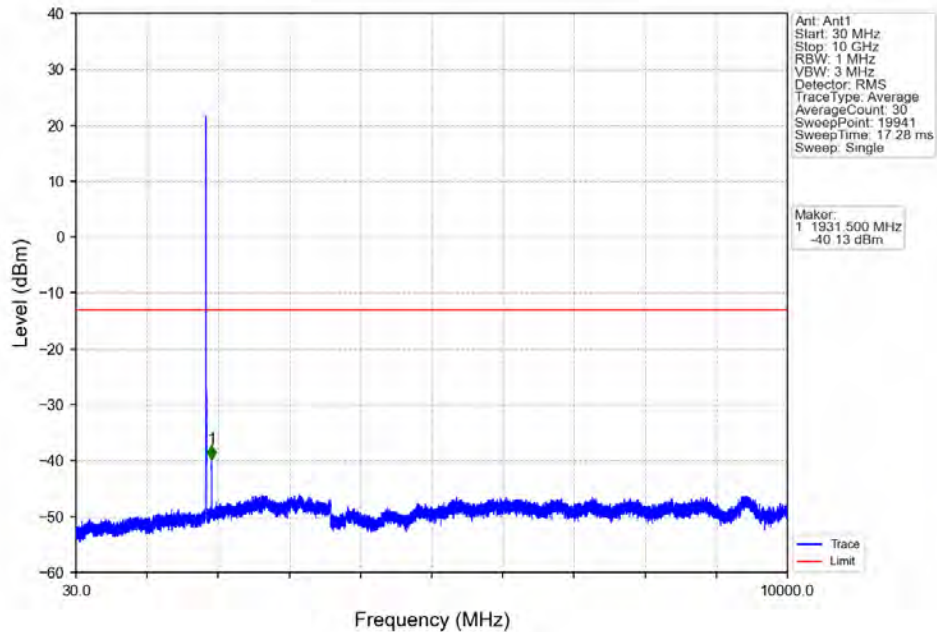
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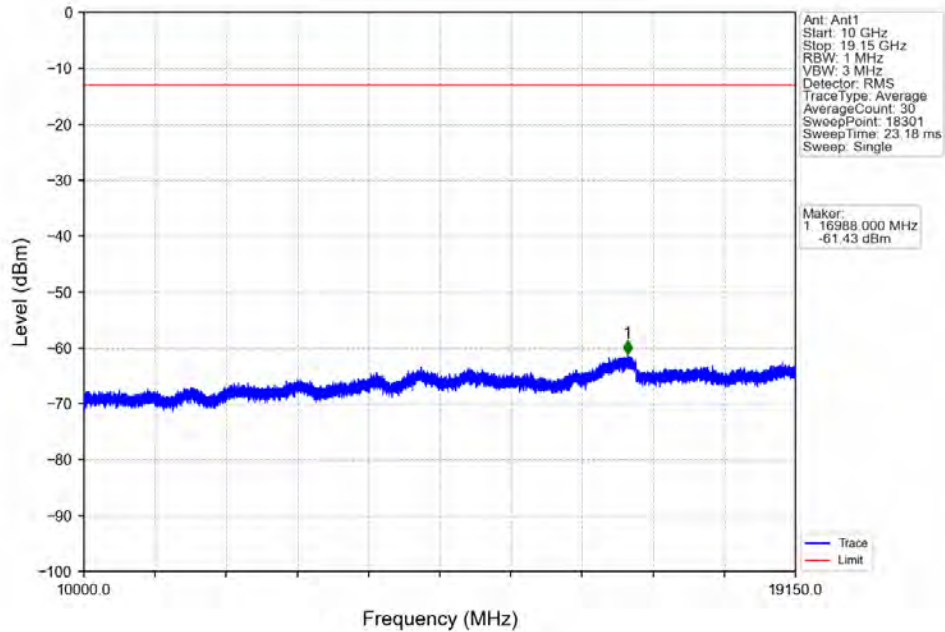
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Band25_5MHz_16QAM_LCH_1852.5MHz_RB_1_0_NTNV



Band25_5MHz_16QAM_LCH_1852.5MHz_RB_25_0_NTNV



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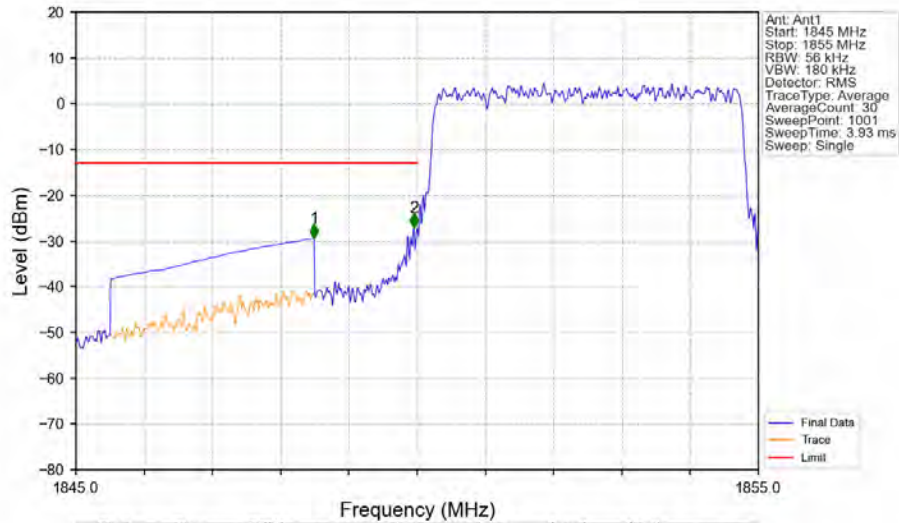
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Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1845	1849	1	CHP	1	1848.490	-29.44	-13	Pass
1849	1850	0.056	/	2	1849.950	-27.09	-13	Pass
1850	1855	0.056	/	/	/	/	/	/



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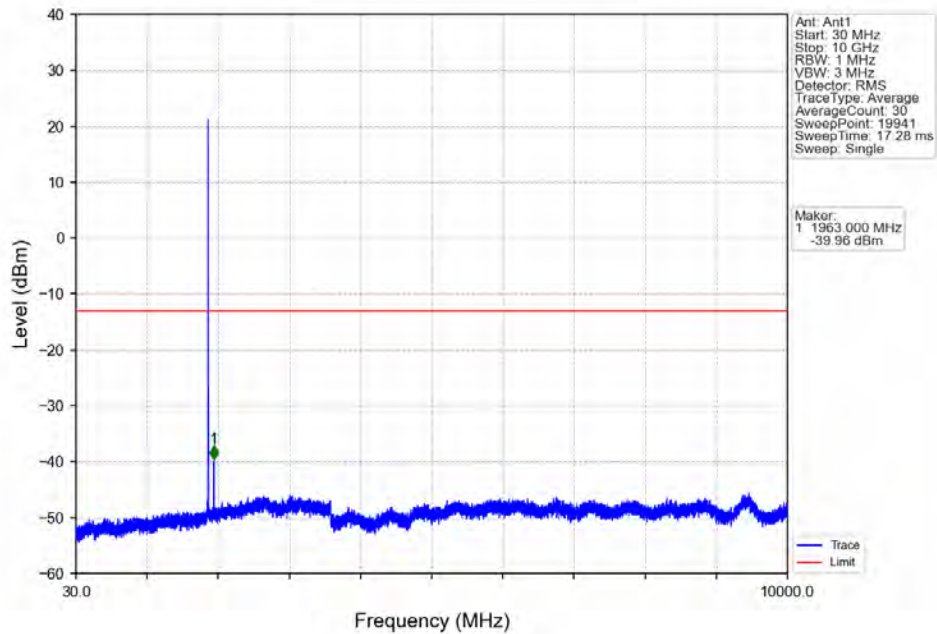
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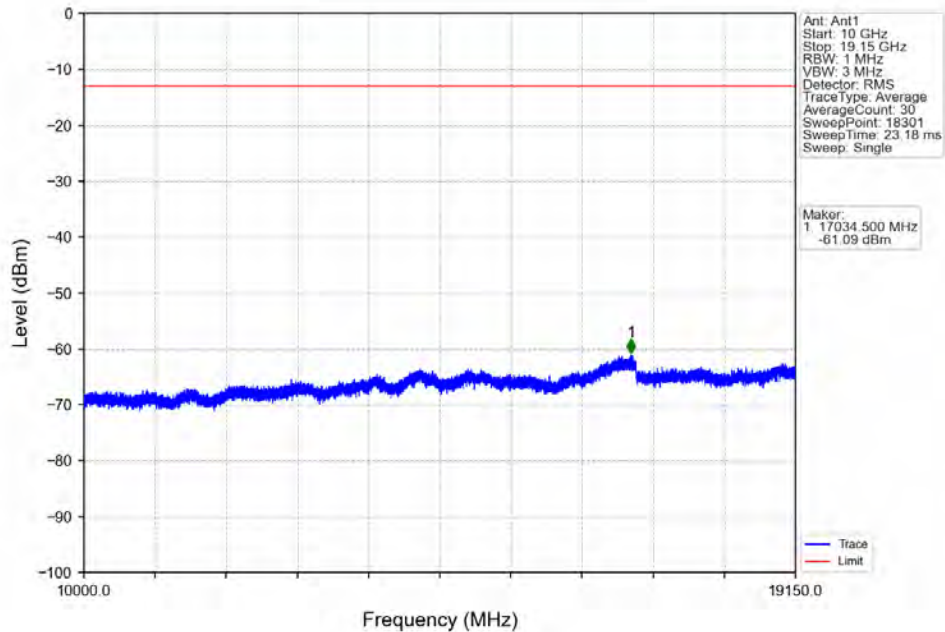
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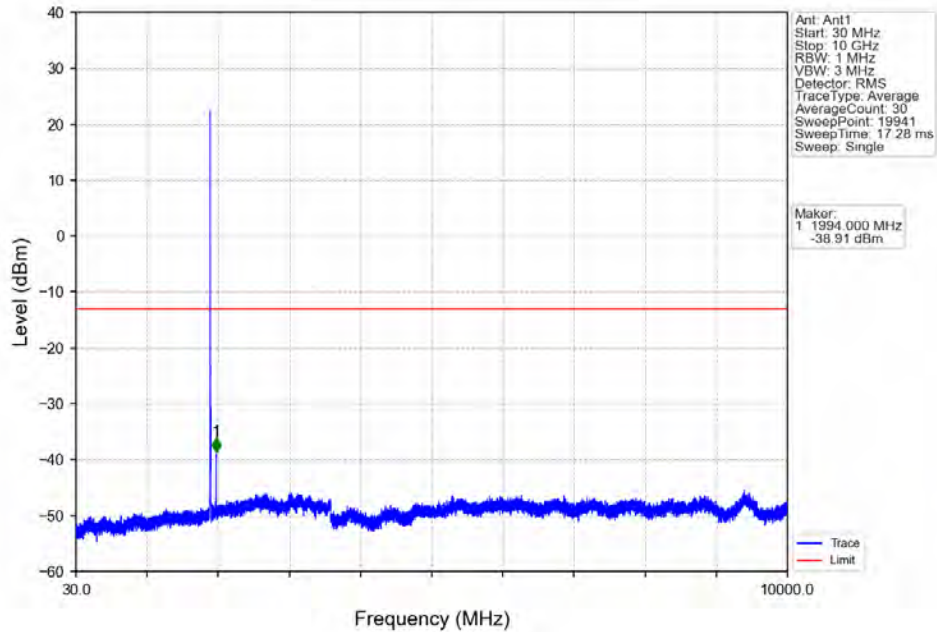
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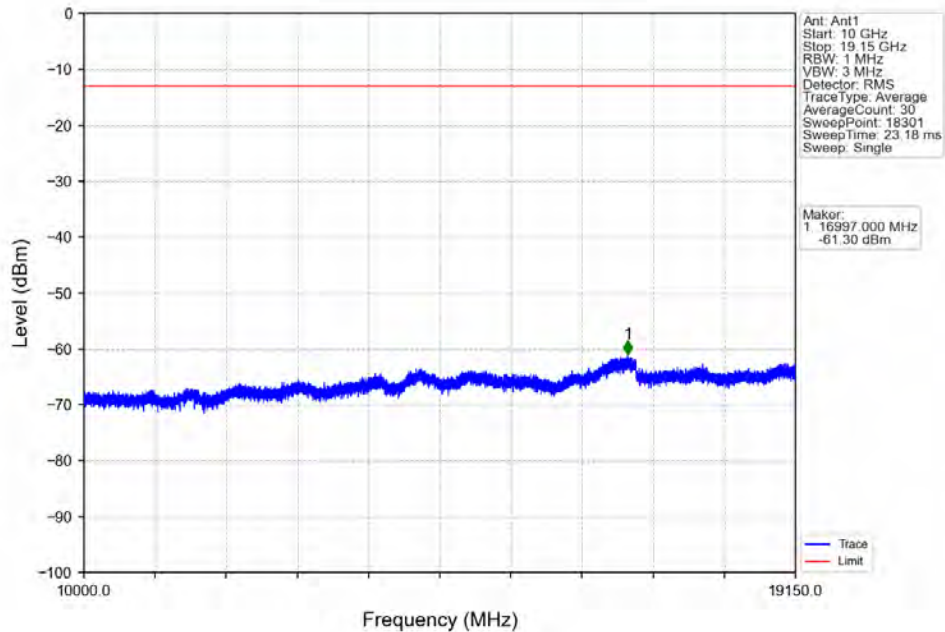
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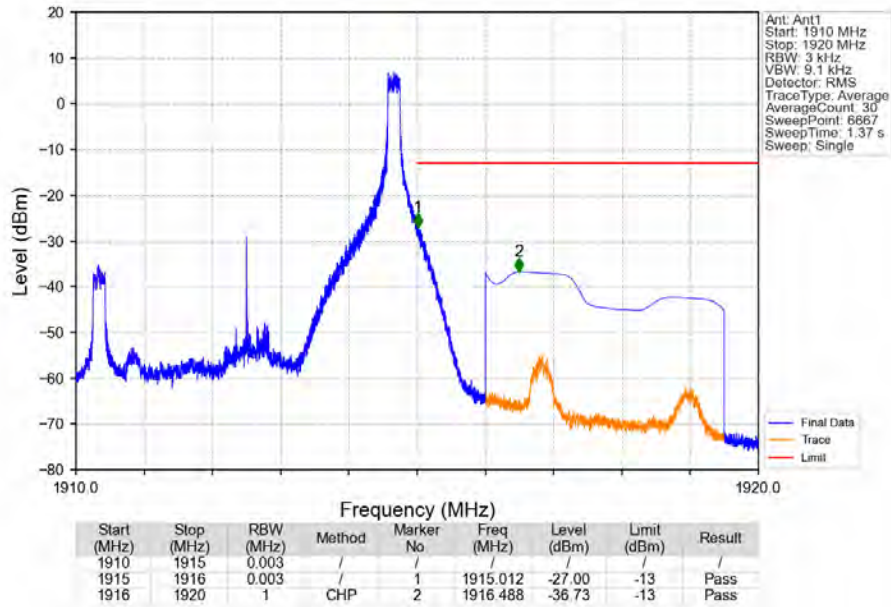
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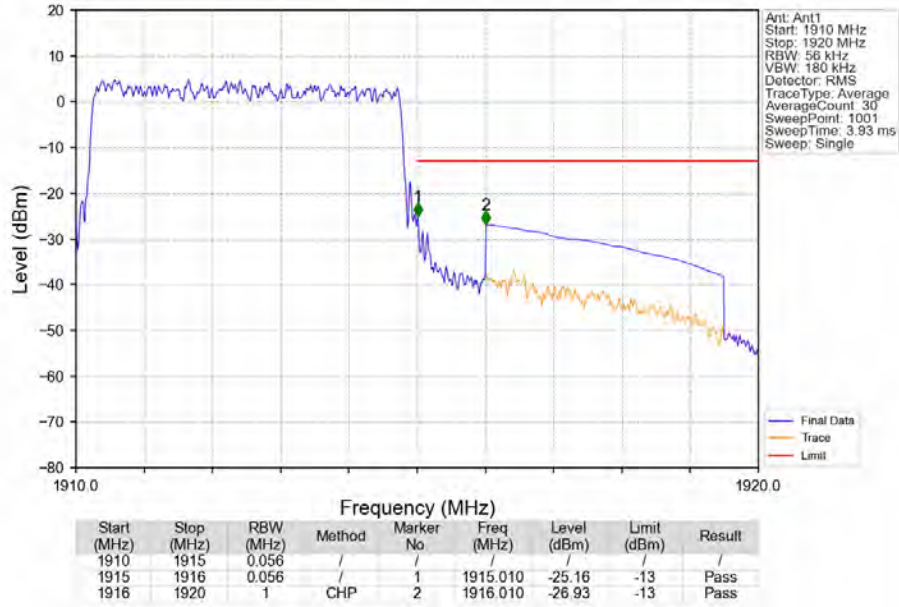
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5.4 B25_10MHz

5.4.1 Test Result

Band: 25 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	1855	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	1882.5	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
	1910	1	49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
16QAM	1855	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	1882.5	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
	1910	1	49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass



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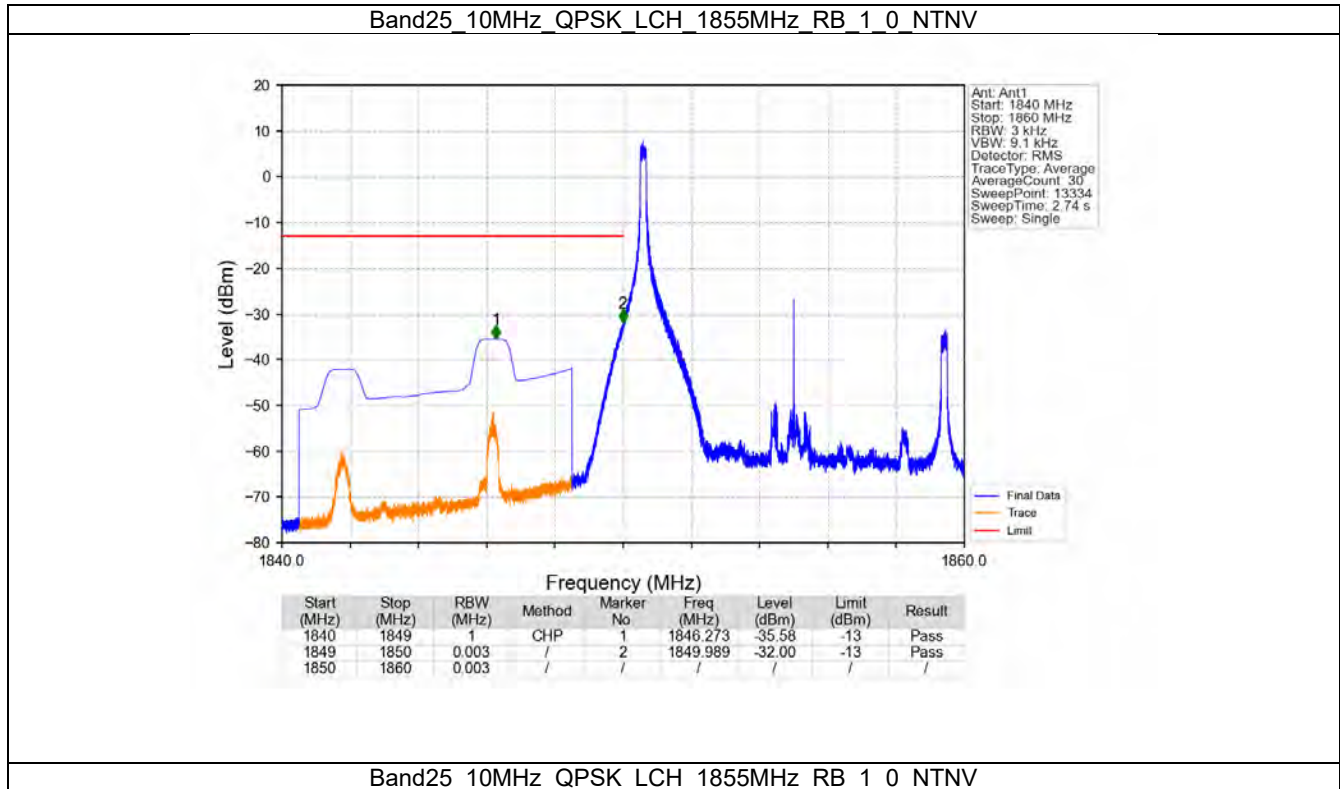
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5.4.2 Test Graph



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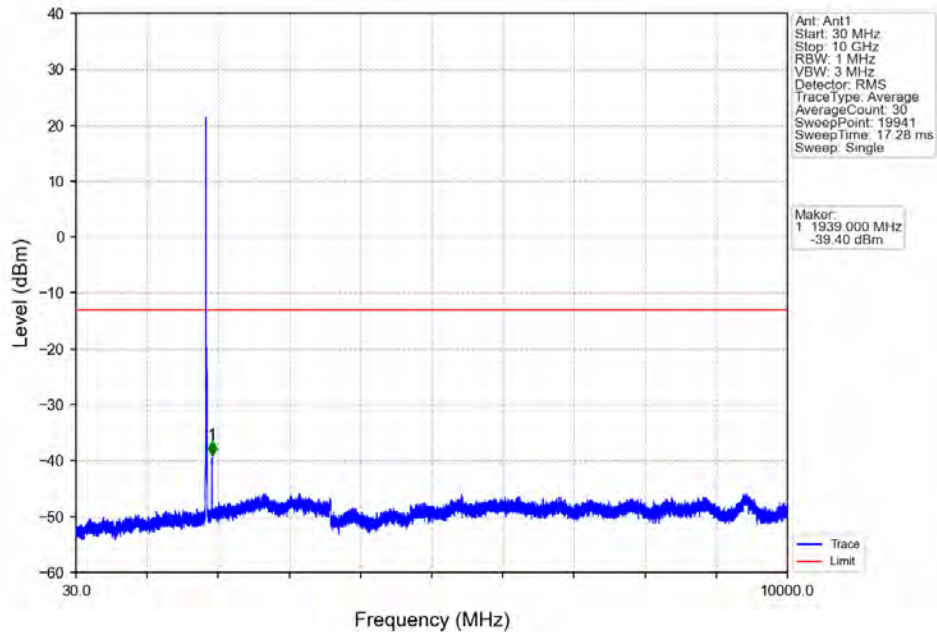
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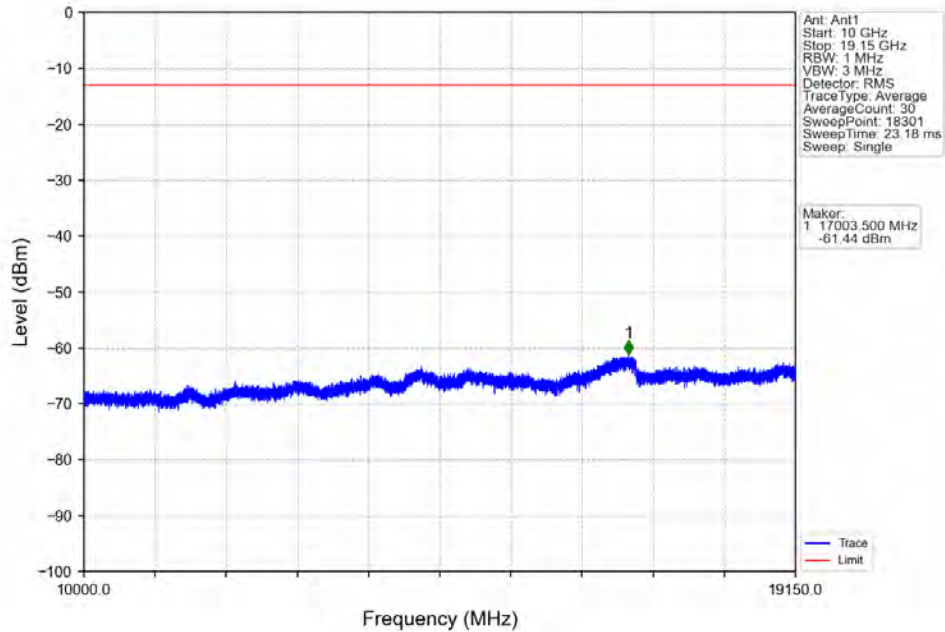
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Band25_10MHz_QPSK_LCH_1855MHz_RB_50_0_NTNV



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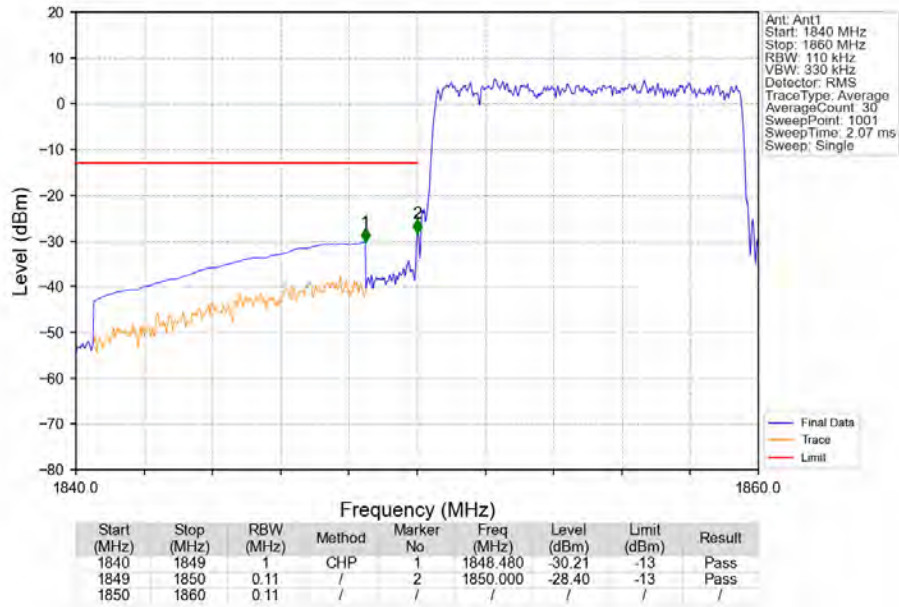
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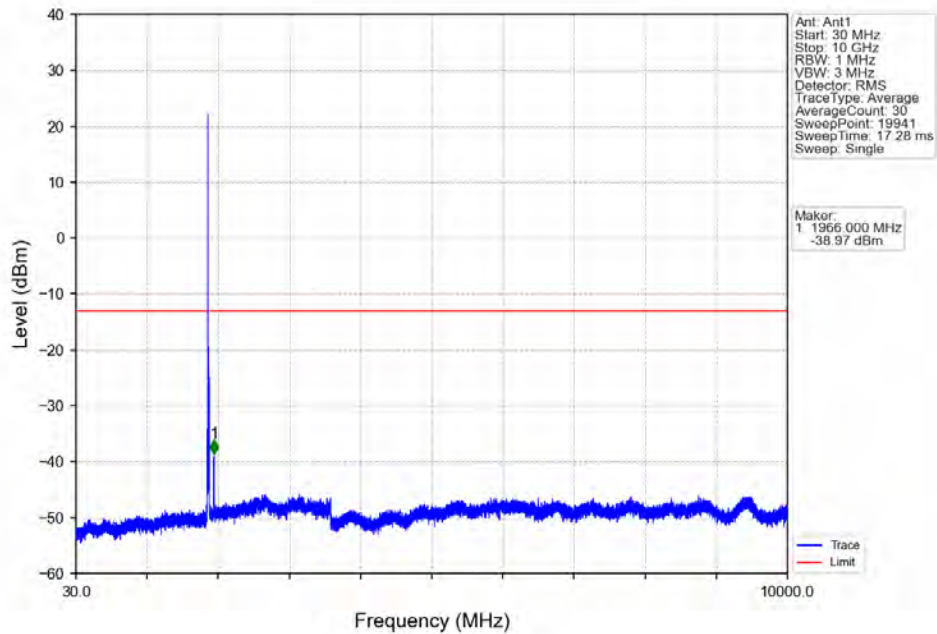
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Band25_10MHz_QPSK_MCH_1882.5MHz_RB_1_0_NTNV



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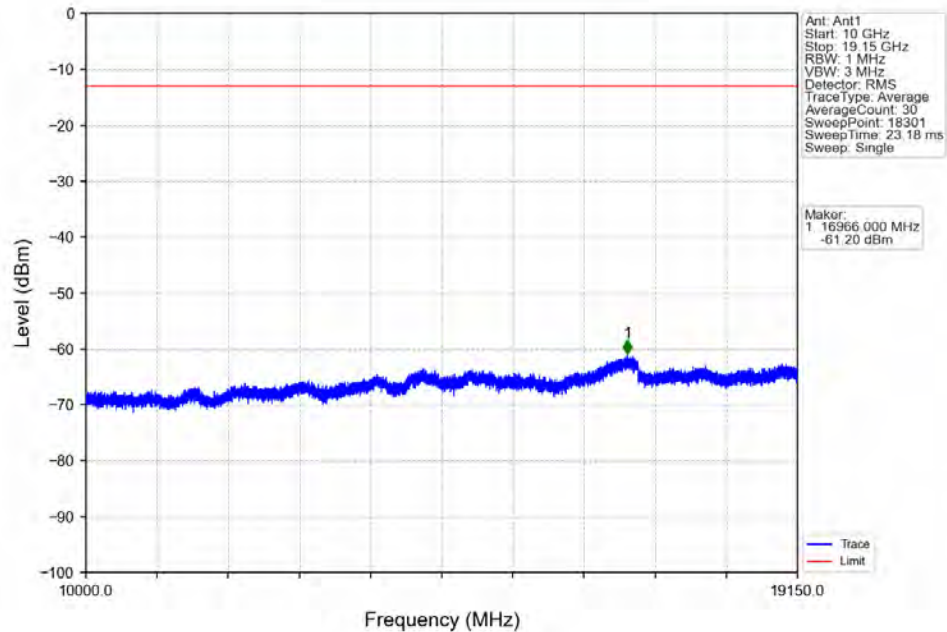
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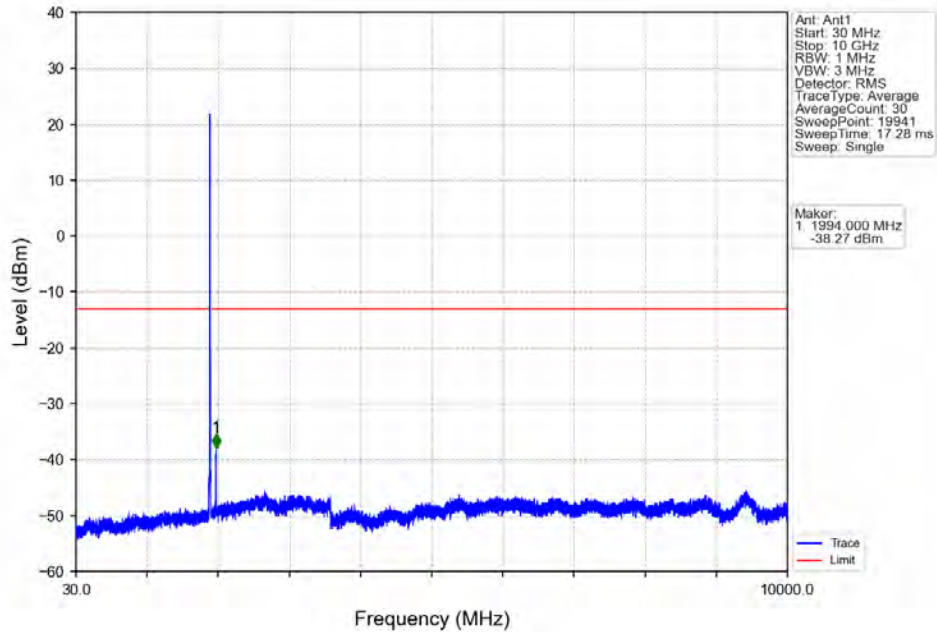
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Band25_10MHz_QPSK_HCH_1910MHz_RB_1_0_NTNV



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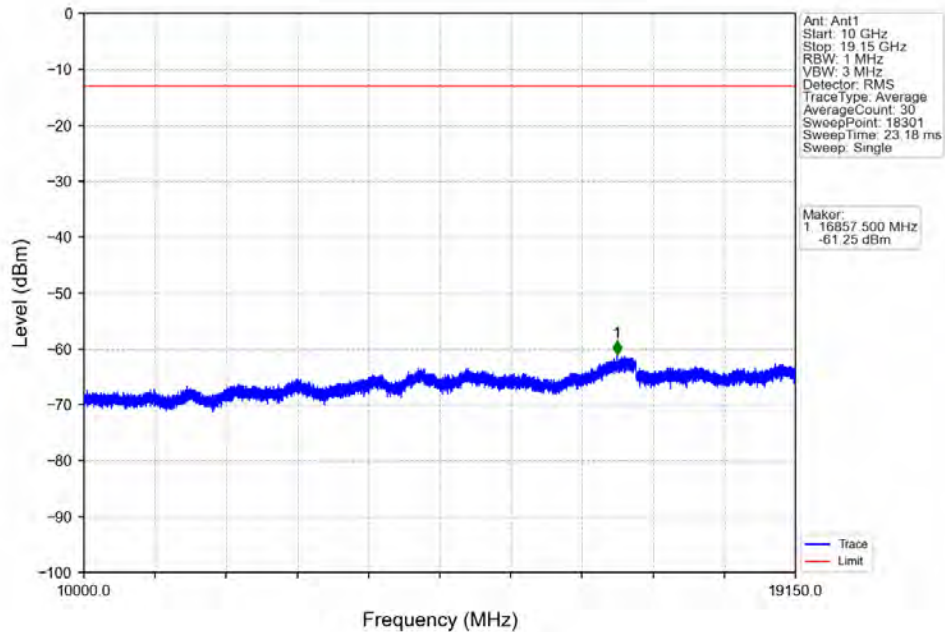
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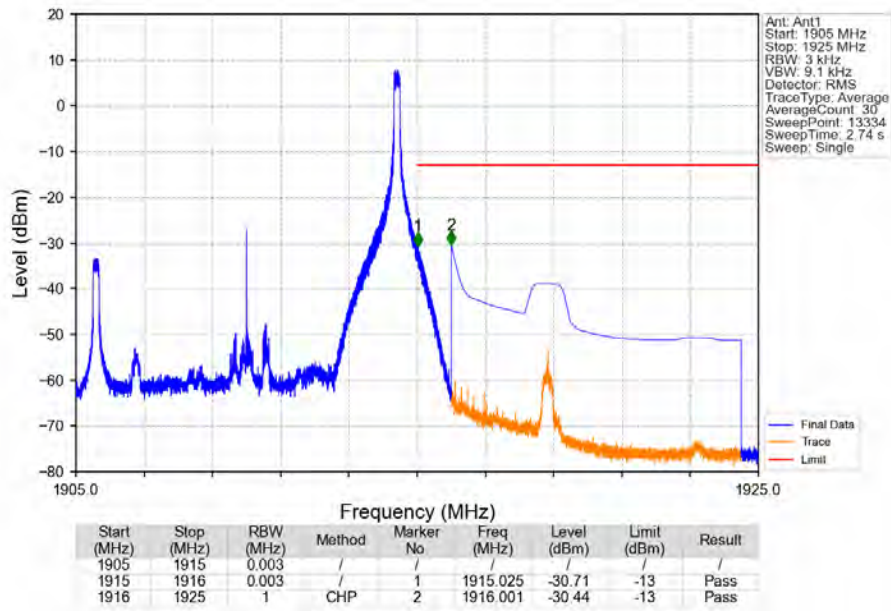
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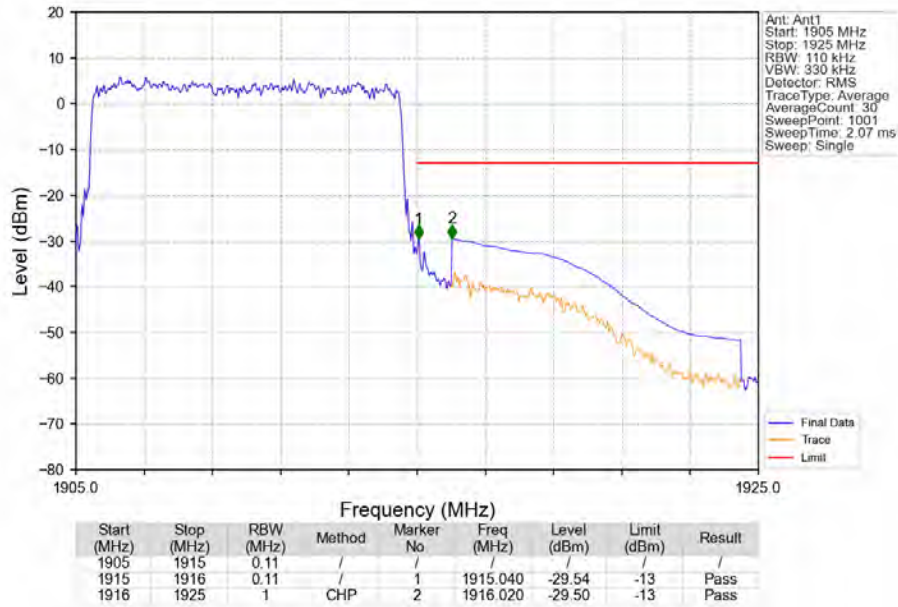
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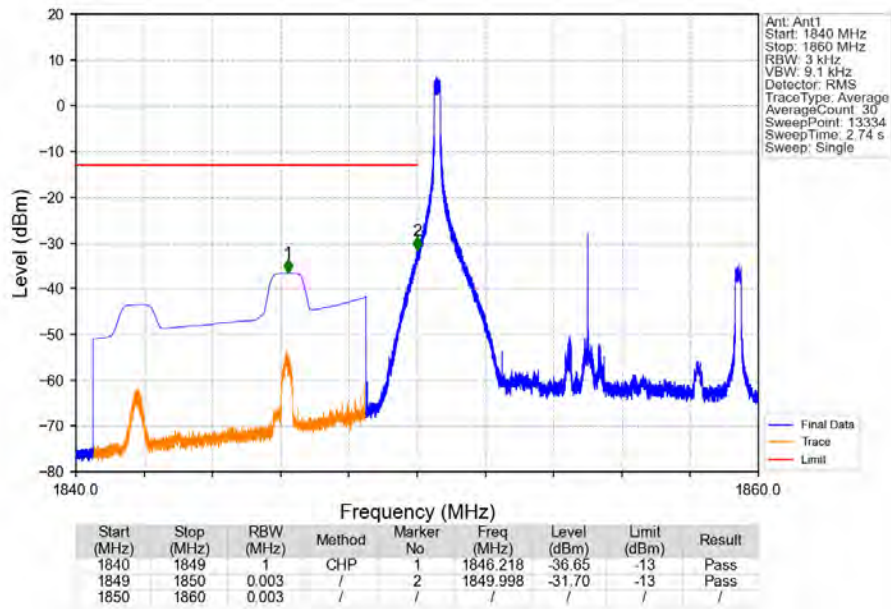
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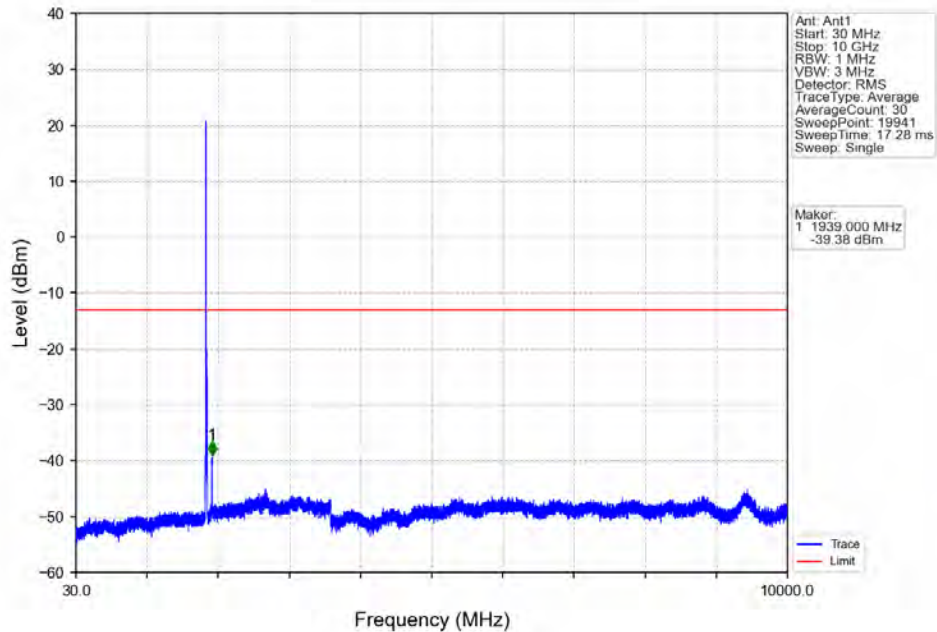
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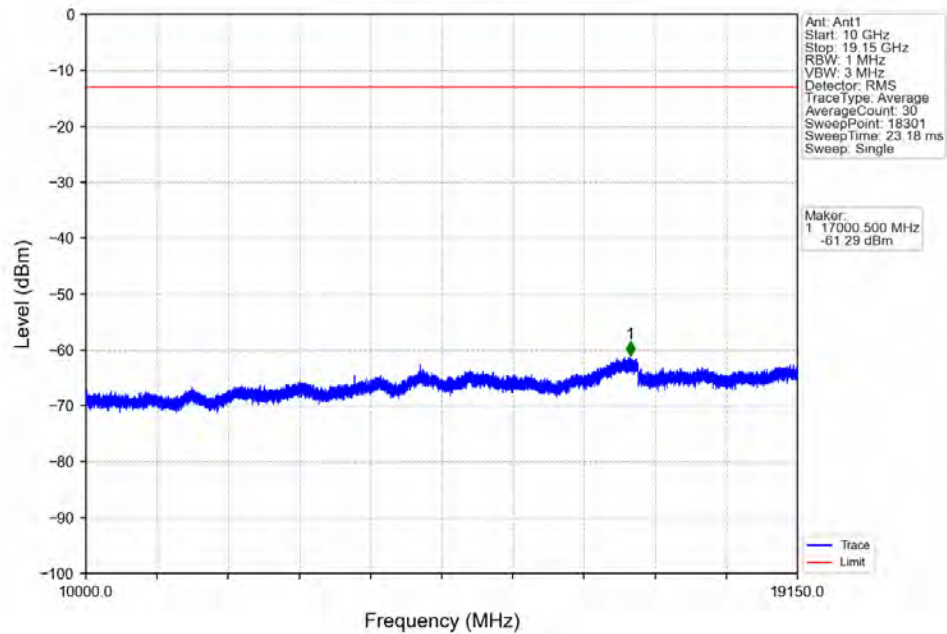
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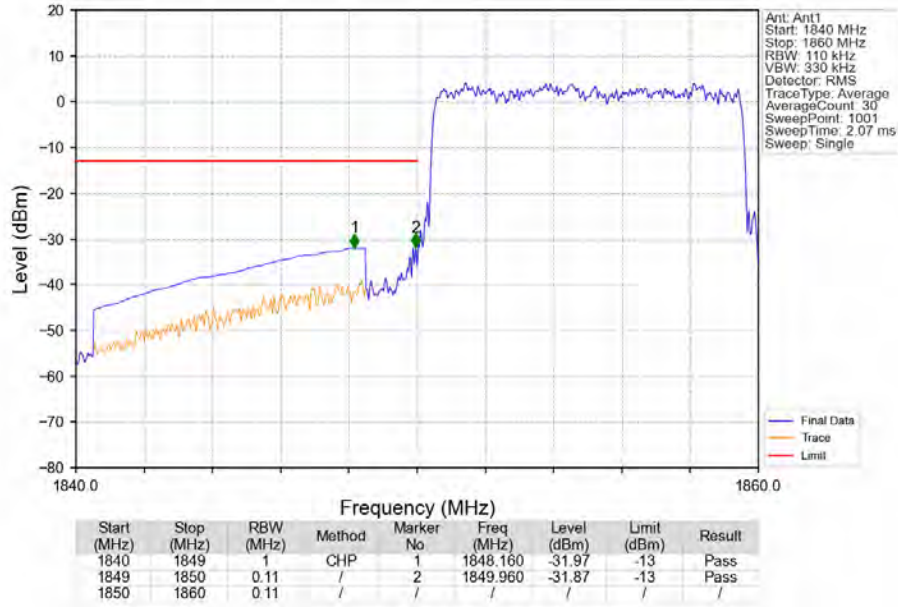
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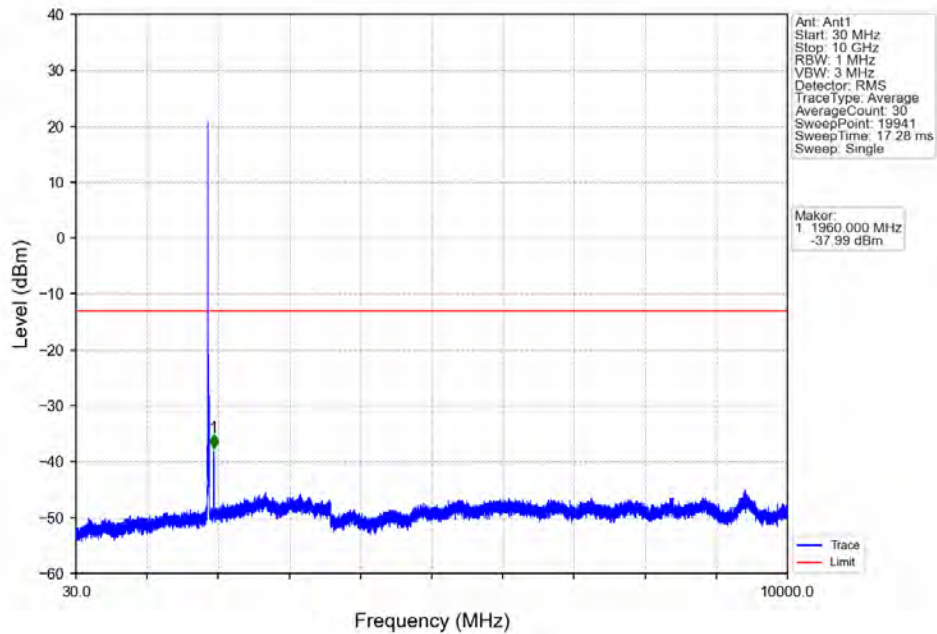
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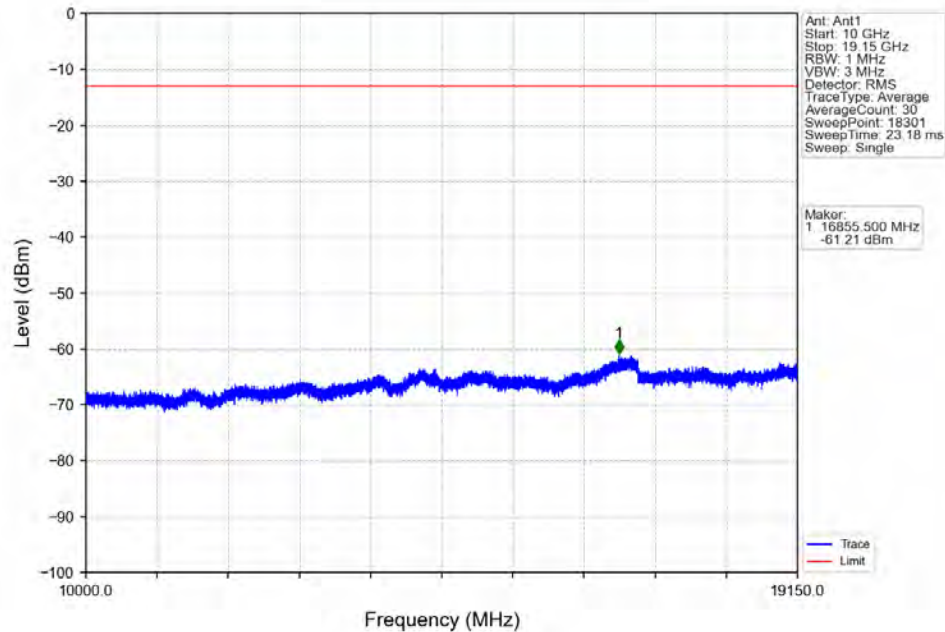
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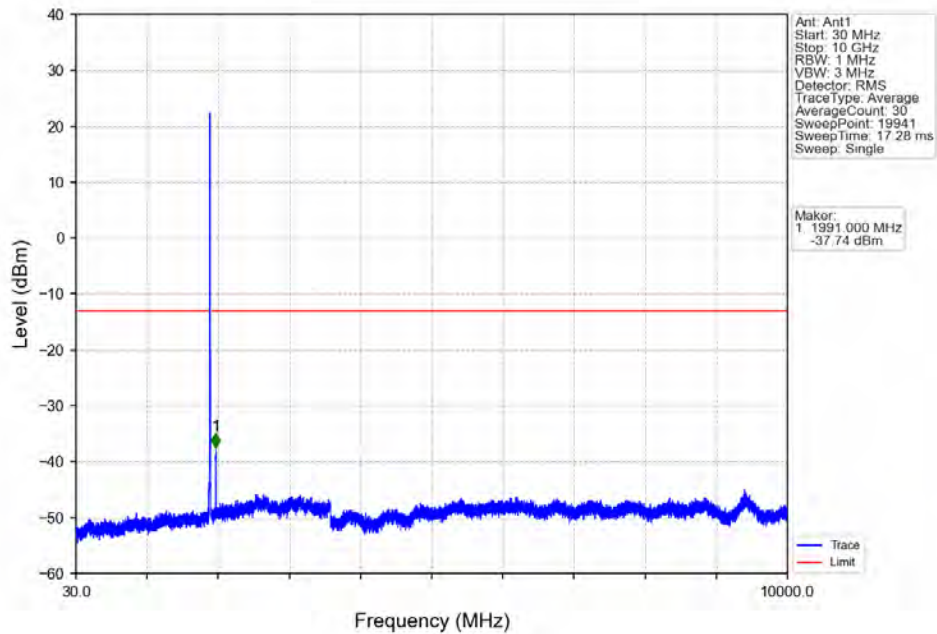
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Band25_10MHz_16QAM_HCH_1910MHz_RB_1_0_NTNV



Band25_10MHz_16QAM_HCH_1910MHz_RB_1_0_NTNV



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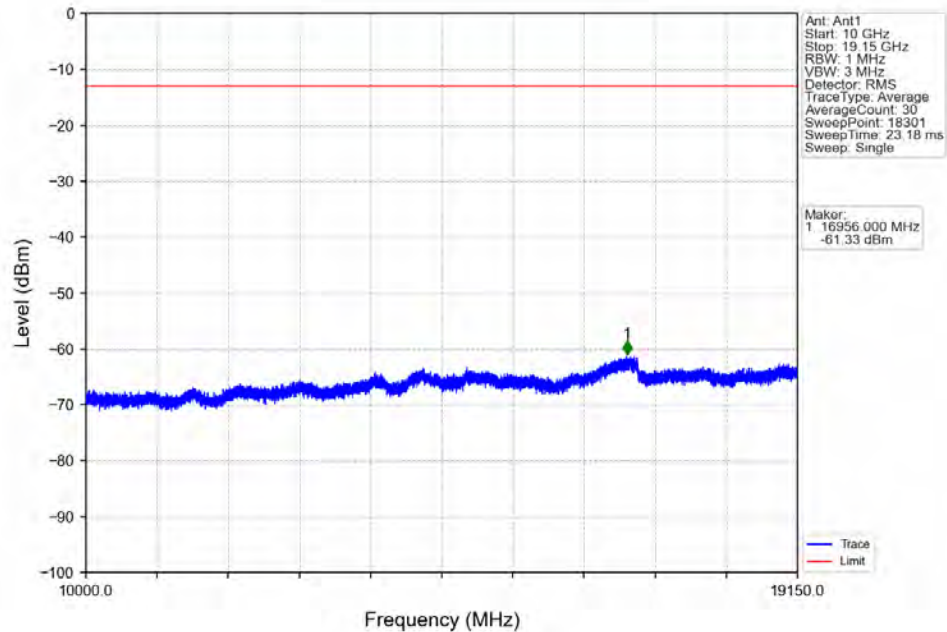
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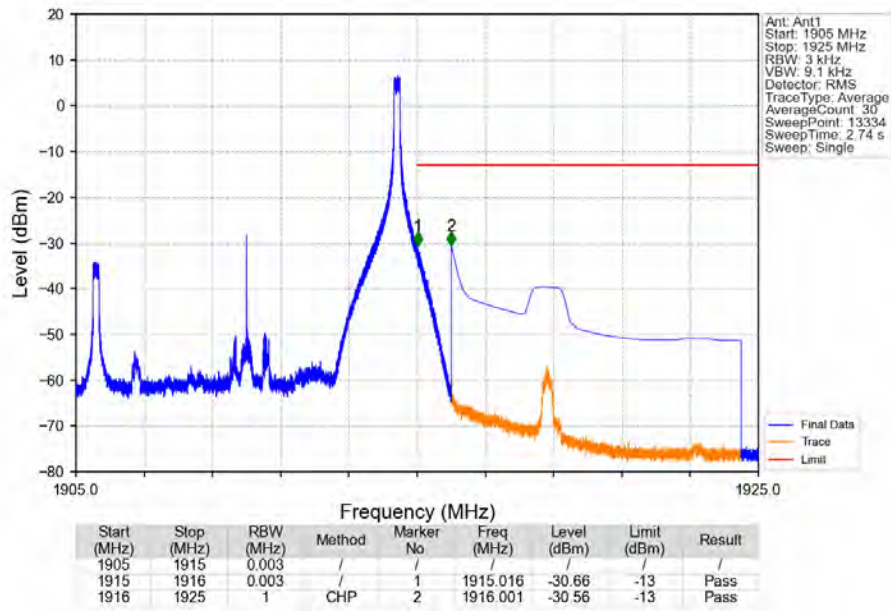
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Band25 10MHz 16QAM HCH 1910MHz RB 1 49 NTN



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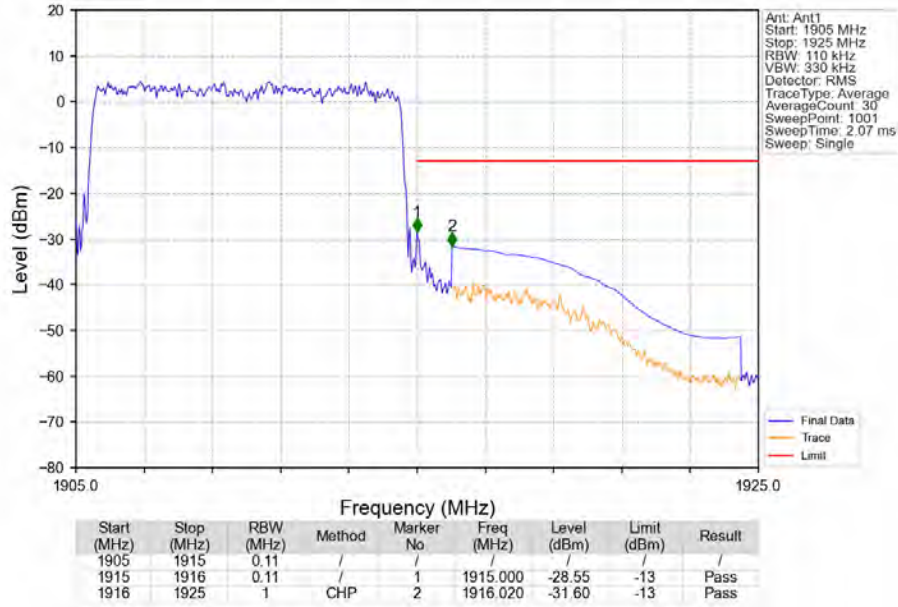
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5.5 B25_15MHz

5.5.1 Test Result

Band: 25 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	1857.5	1	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	1882.5	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
	1907.5	1	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
16QAM	1857.5	1	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	1882.5	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
	1907.5	1	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass



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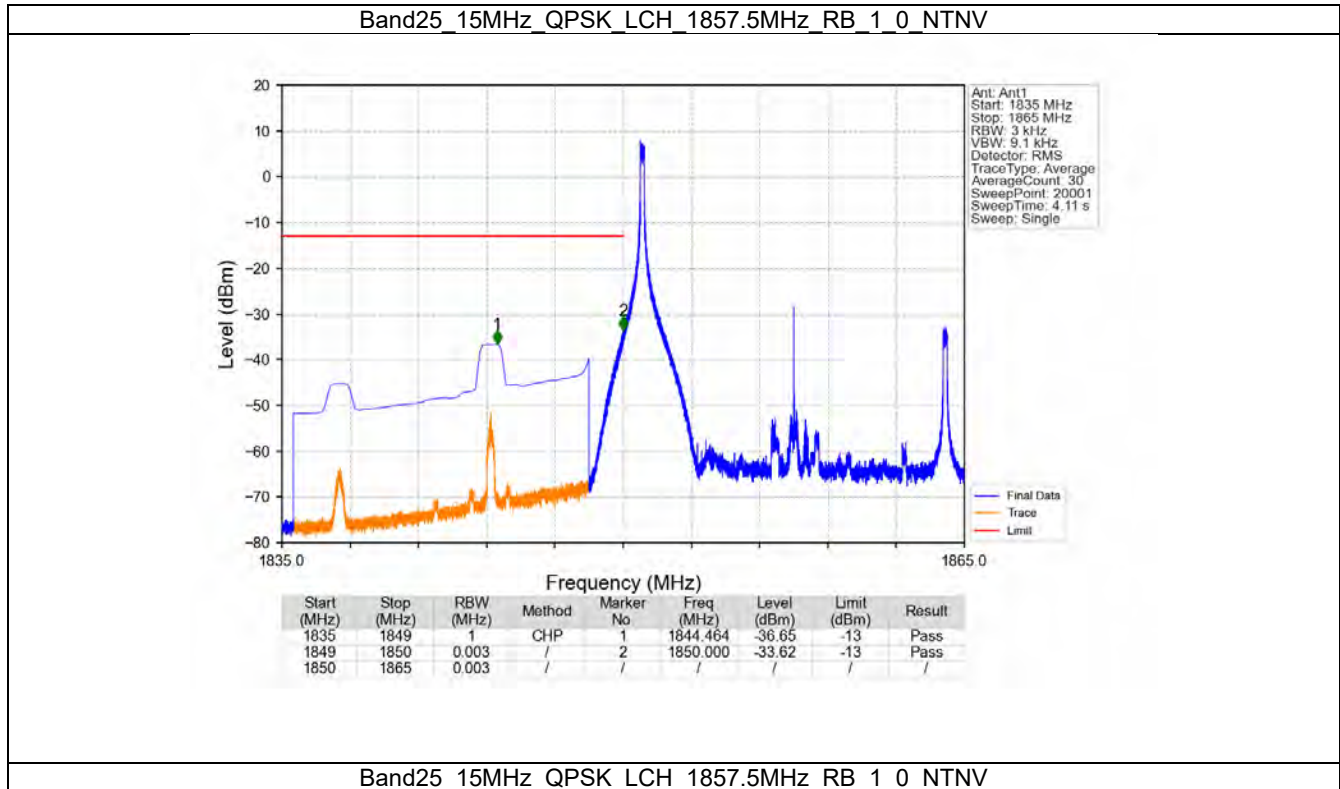
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5.5.2 Test Graph



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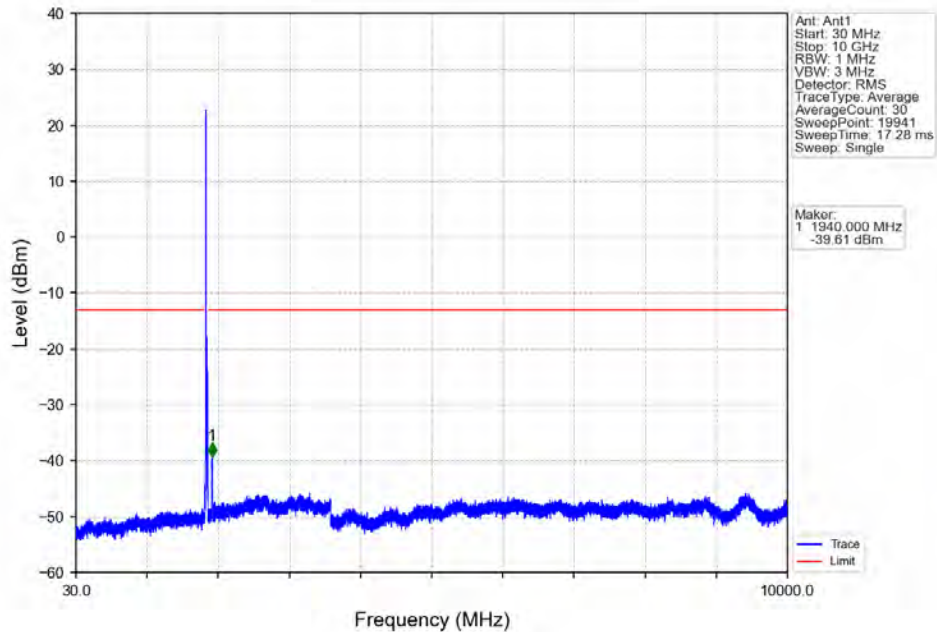
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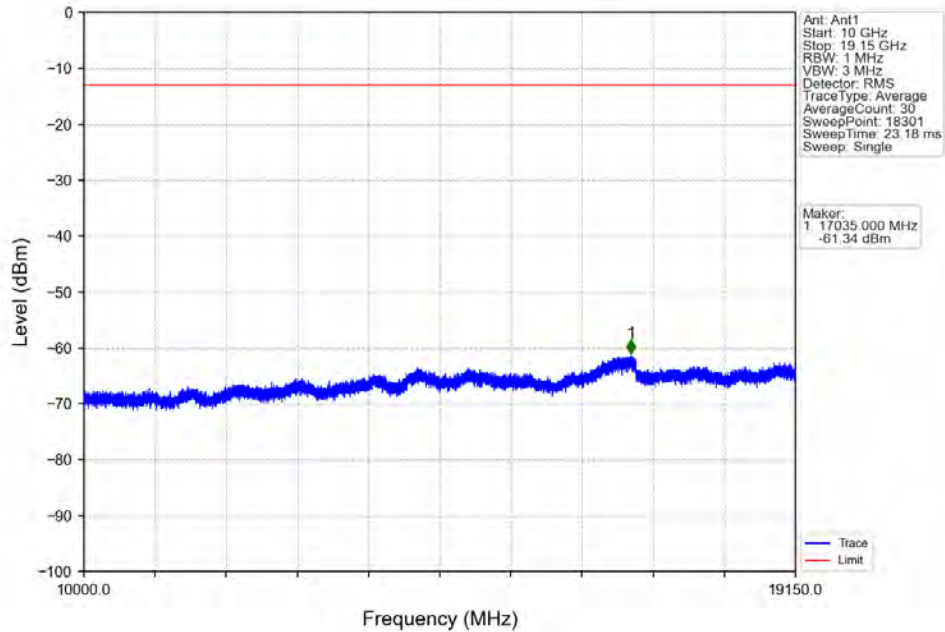
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Band25_15MHz_QPSK_LCH_1857.5MHz_RB_1_0_NTNV



Band25_15MHz_QPSK_LCH_1857.5MHz_RB_75_0_NTNV



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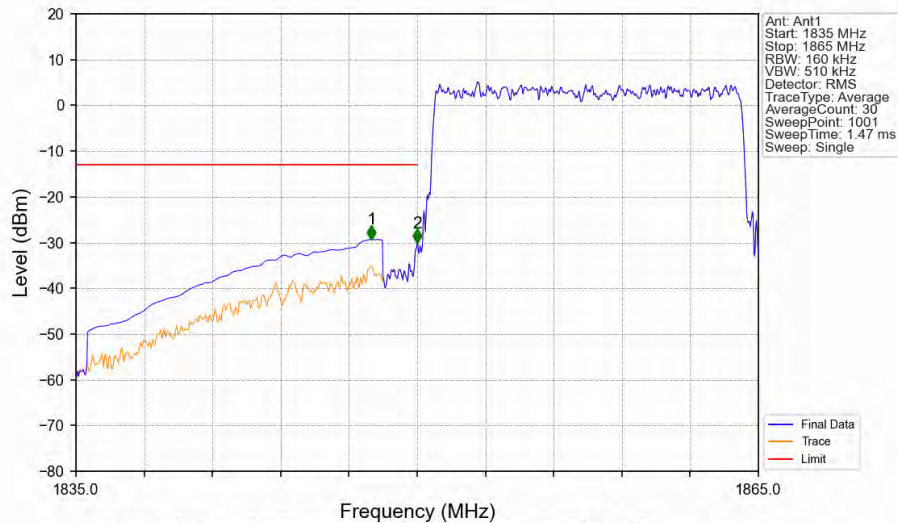
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Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1835	1849	1	CHP	1	1847.990	-29.29	-13	Pass
1849	1850	/	/	2	1850.000	-30.04	-13	Pass
1850	1865	0.16	/	/	/	/	/	/



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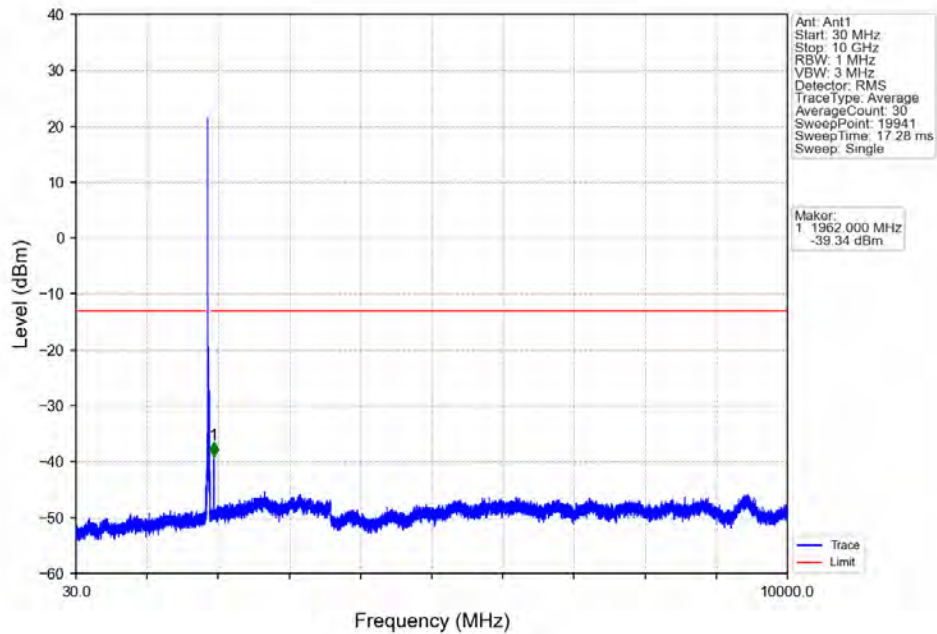
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Band25_15MHz_QPSK_MCH_1882.5MHz_RB_1_0_NTNV



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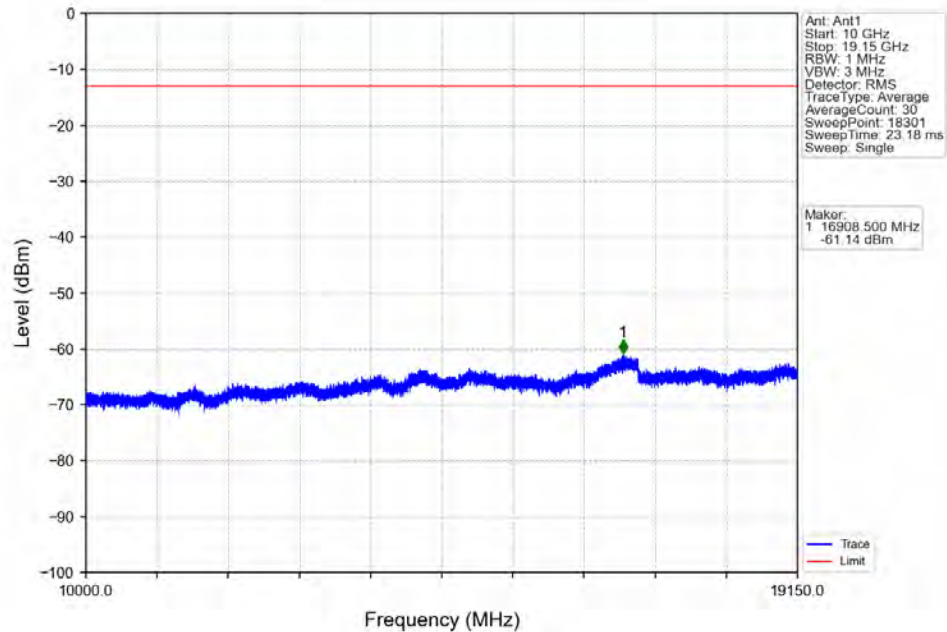
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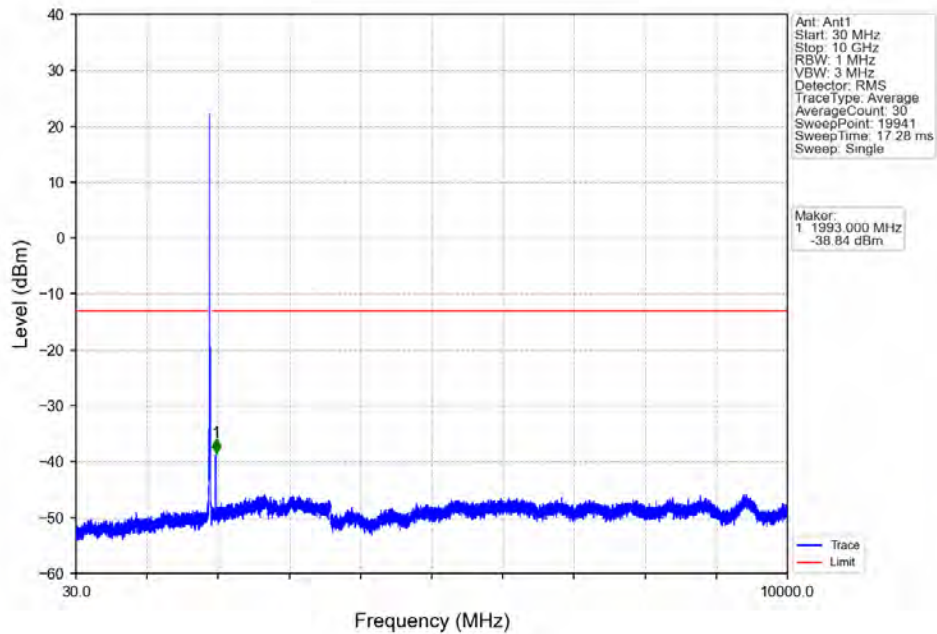
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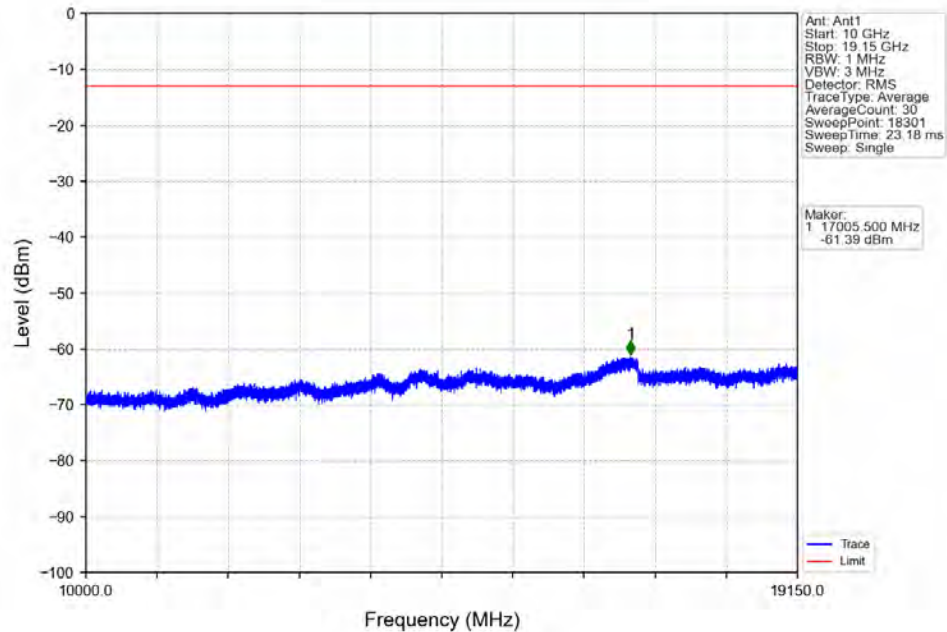
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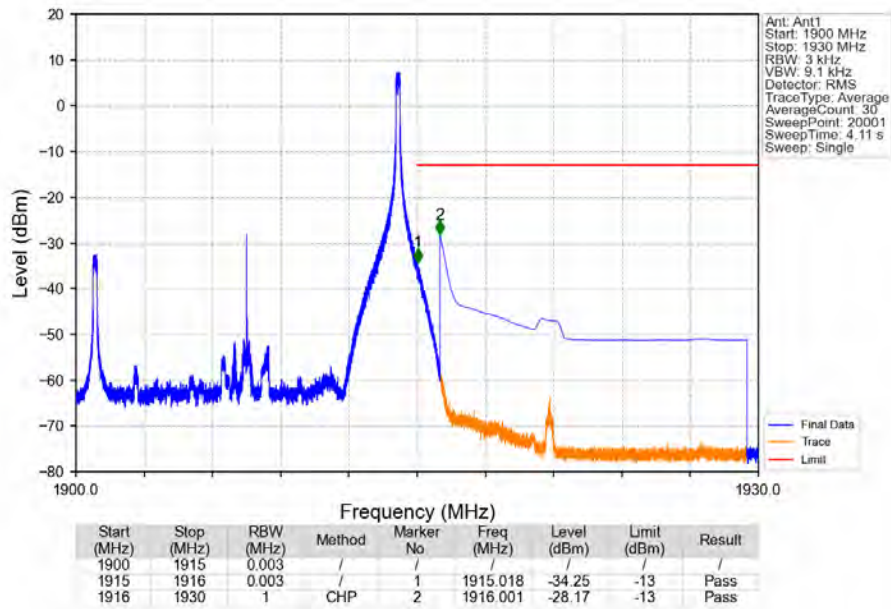
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Band25_15MHz_QPSK_HCH_1907.5MHz_RB_1_74_NTNV



Band25_15MHz_QPSK_HCH_1907.5MHz_RB_75_0_NTNV



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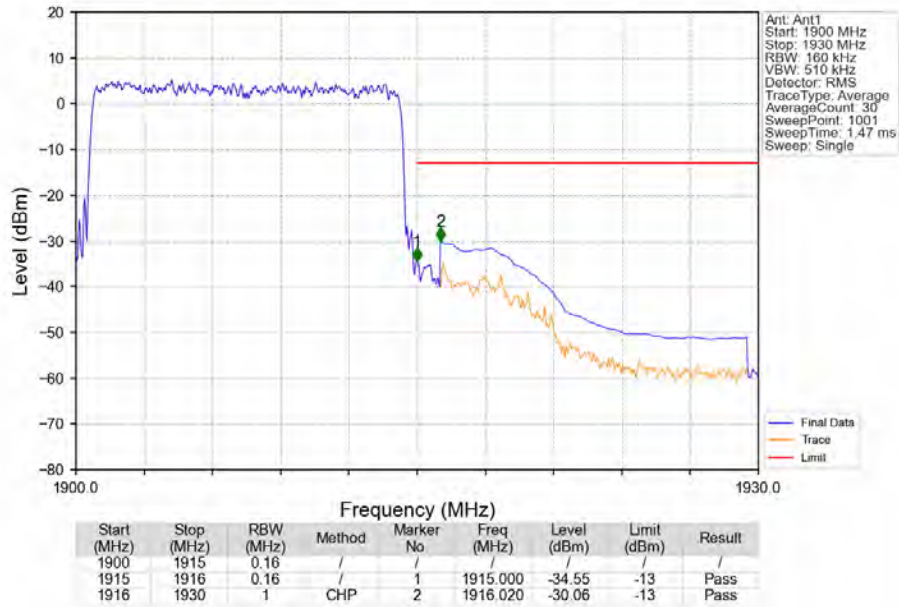
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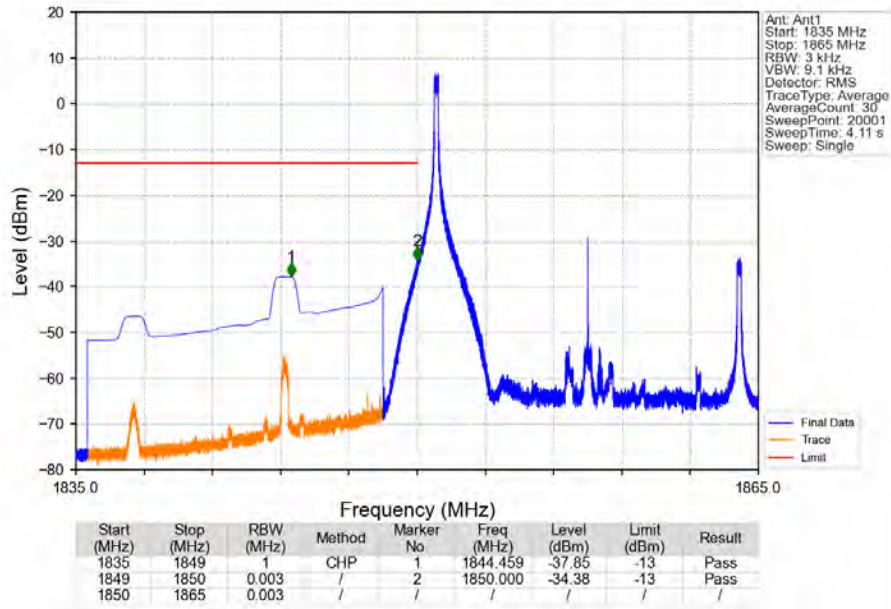
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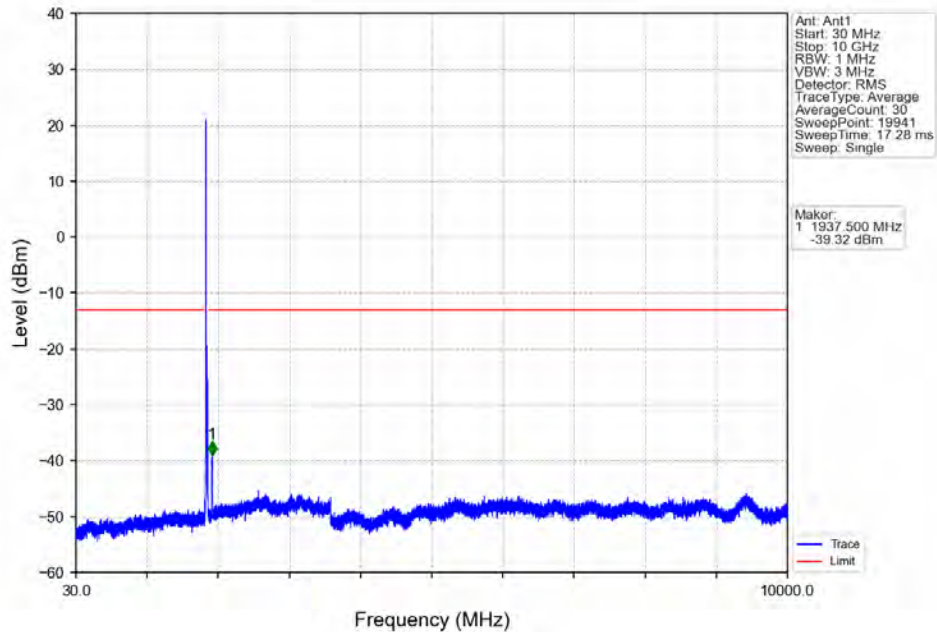
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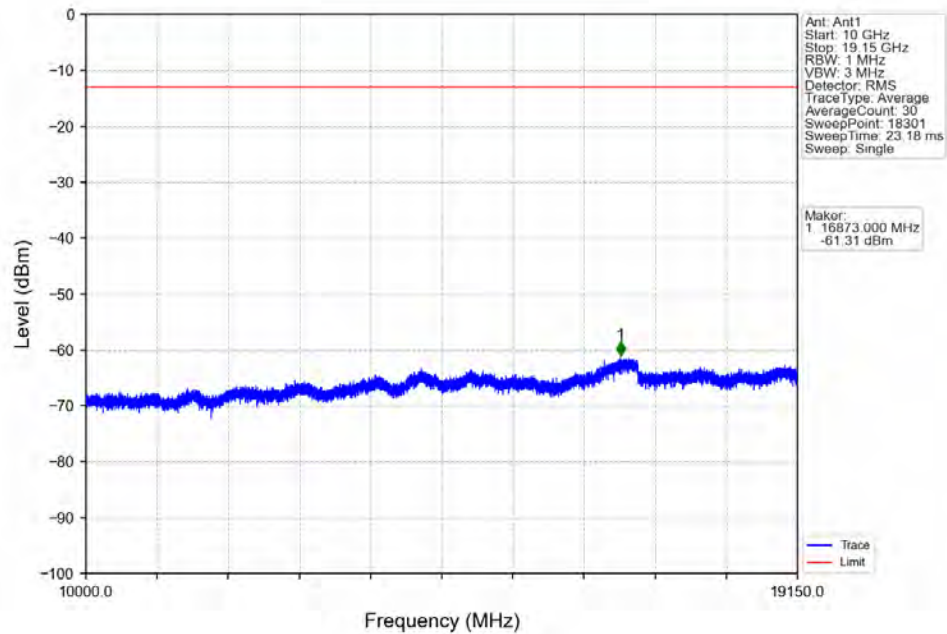
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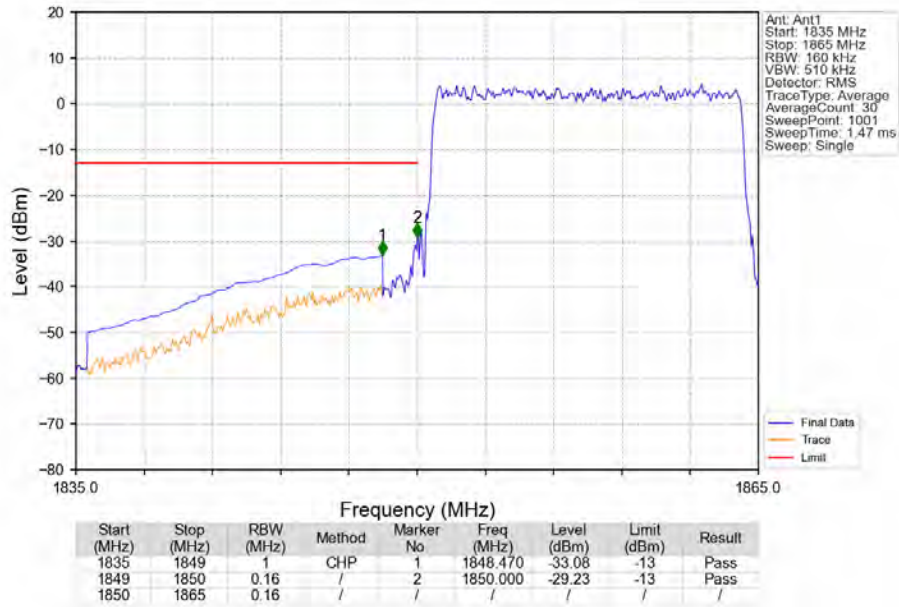
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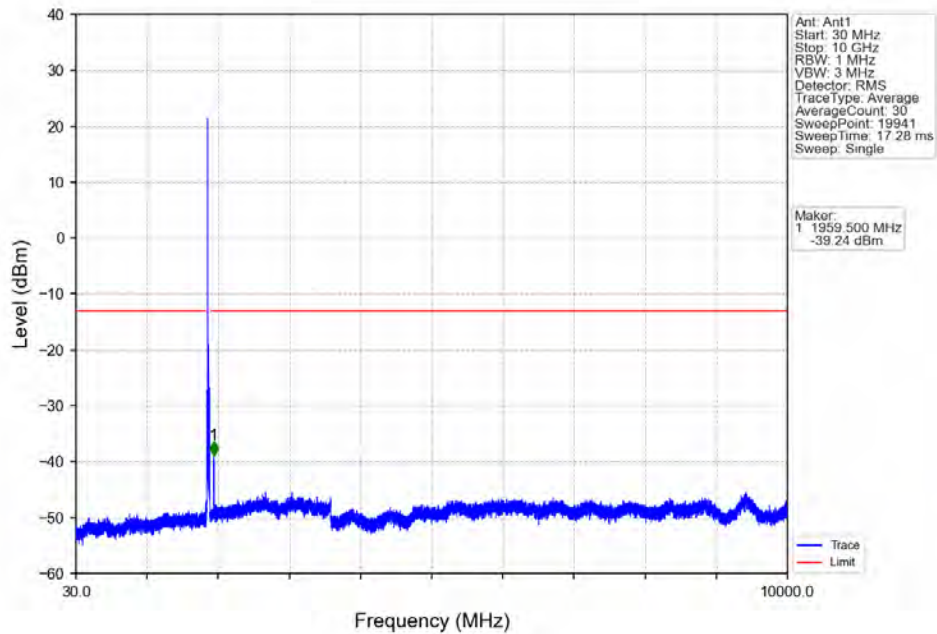
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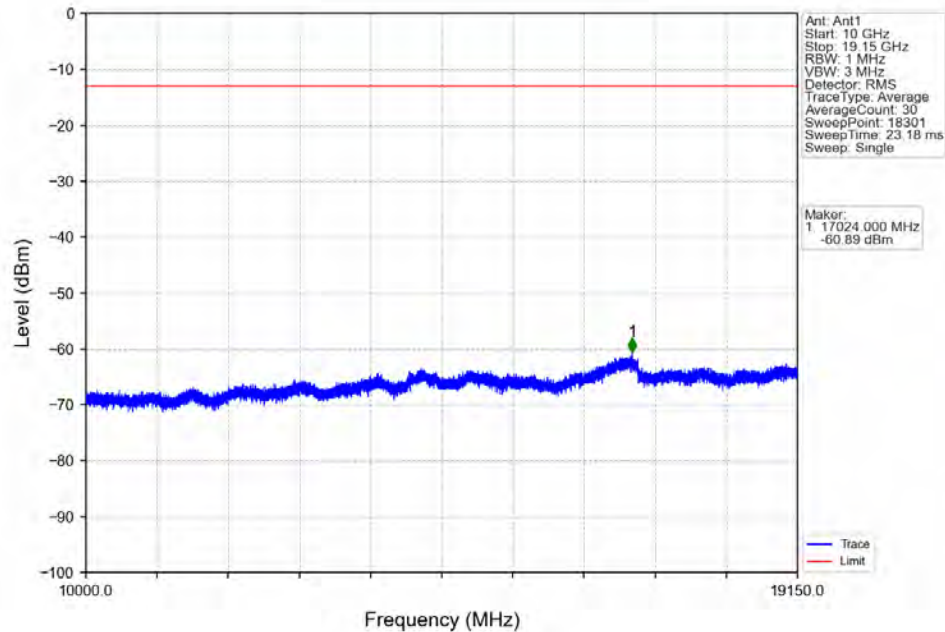
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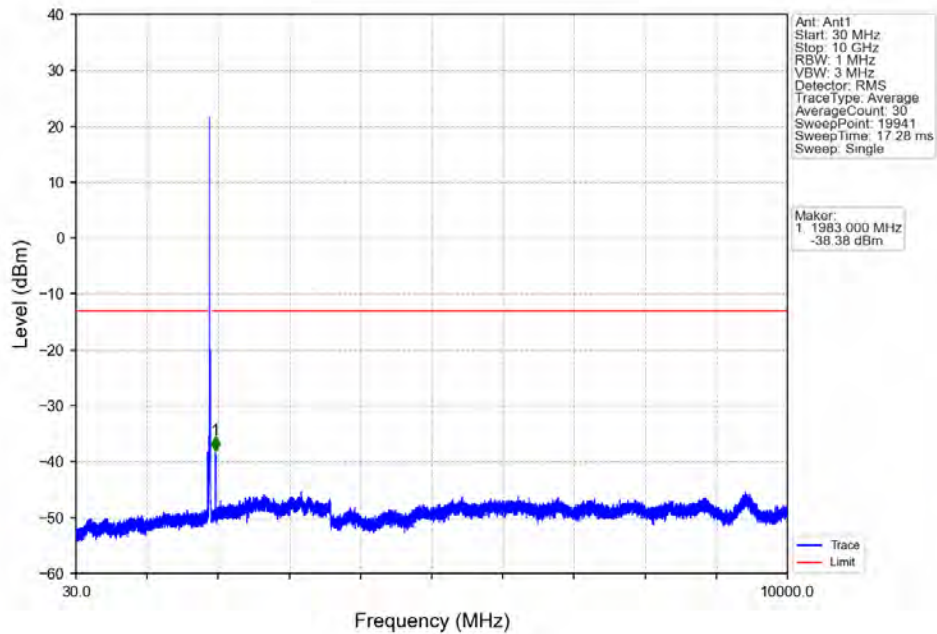
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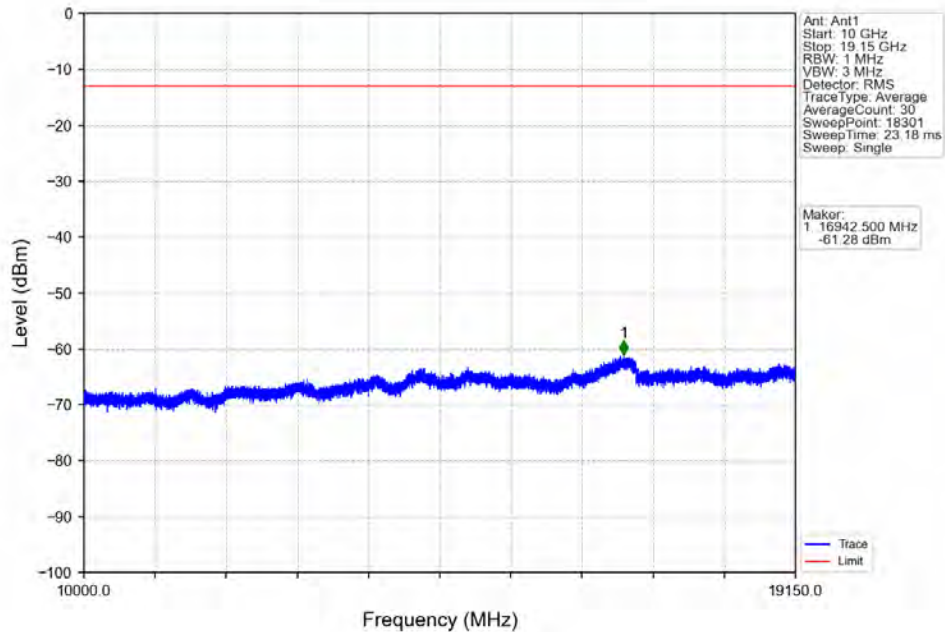
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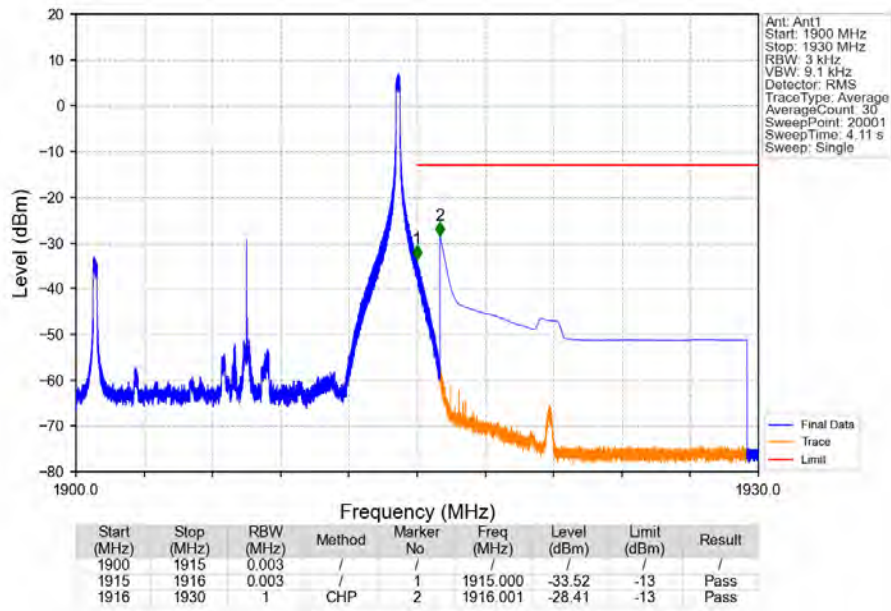
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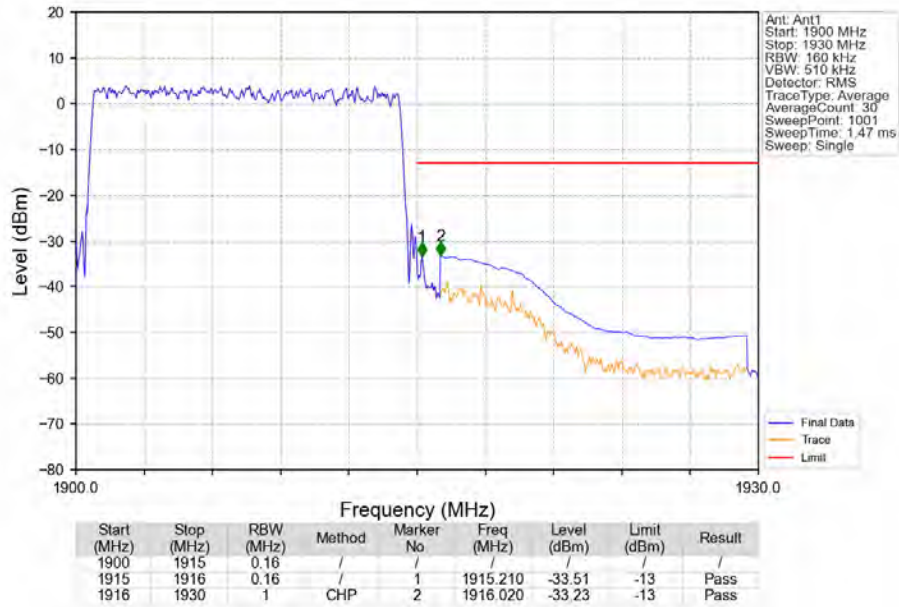
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5.6 B25_20MHz

5.6.1 Test Result

Band: 25 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	1860	1	0	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	1882.5	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
	1905	1	0	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
16QAM	1860	1	0	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	1882.5	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
	1905	1	0	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass



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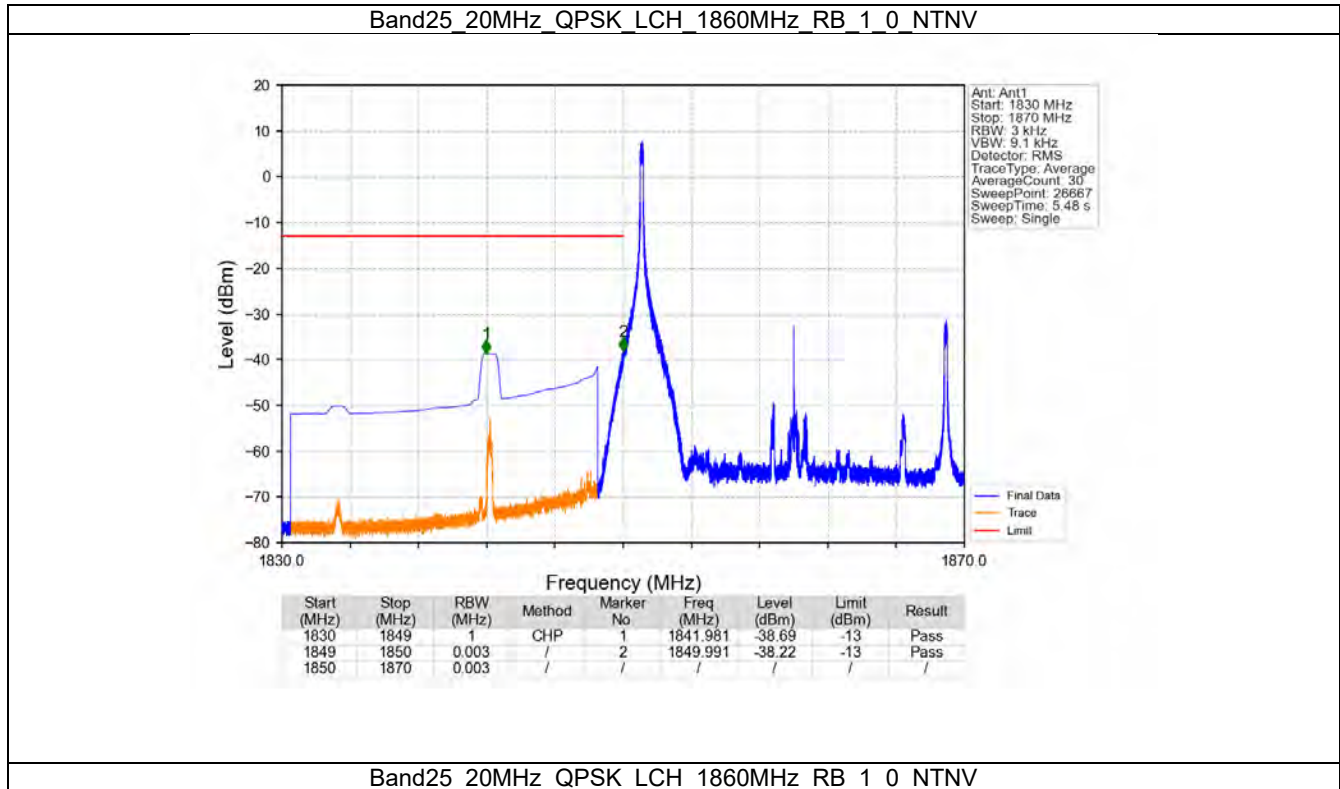
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5.6.2 Test Graph



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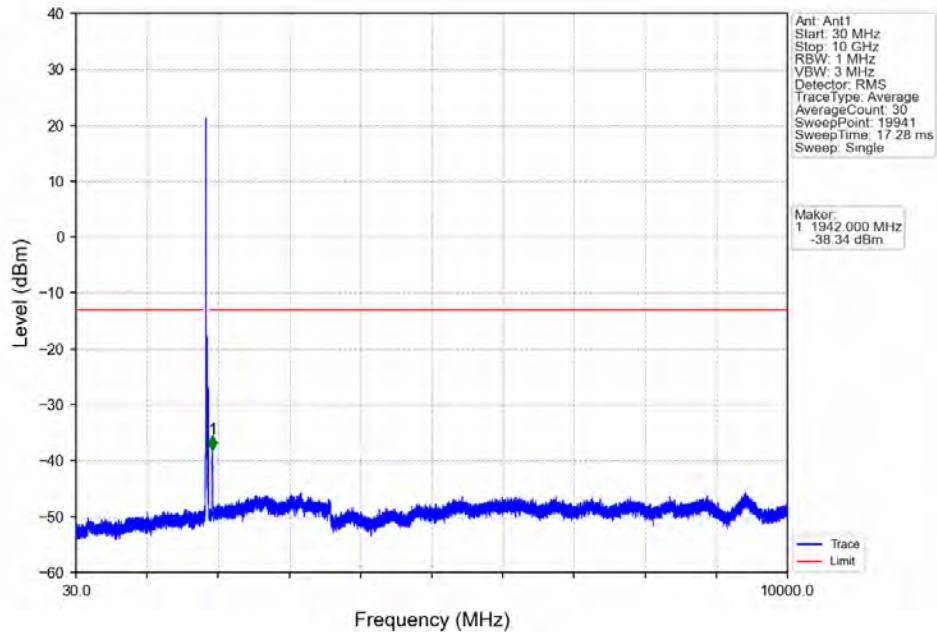
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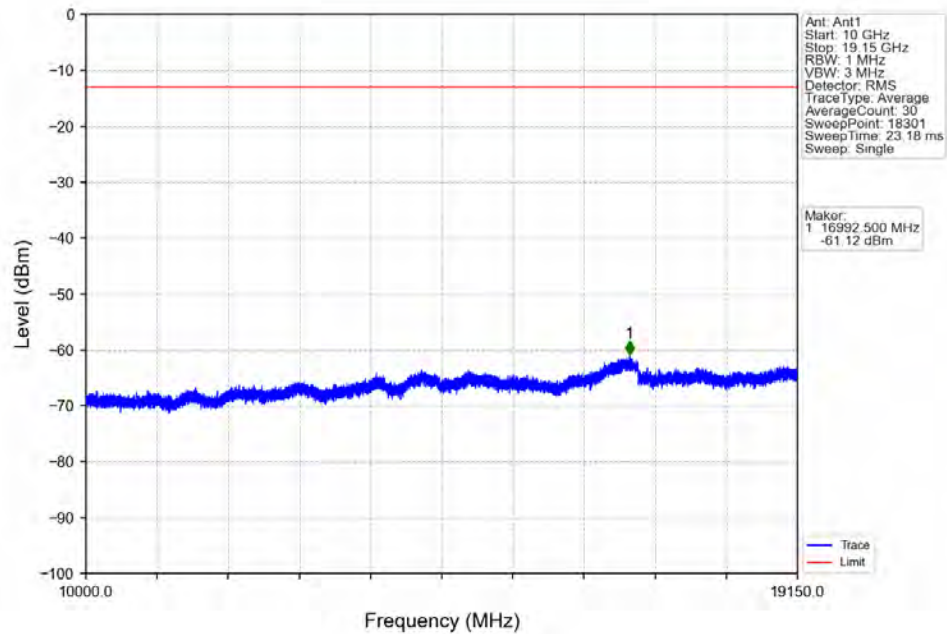
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Band25_20MHz_QPSK_LCH_1860MHz_RB_1_0_NTNV



Band25_20MHz_QPSK_LCH_1860MHz_RB_100_0_NTNV



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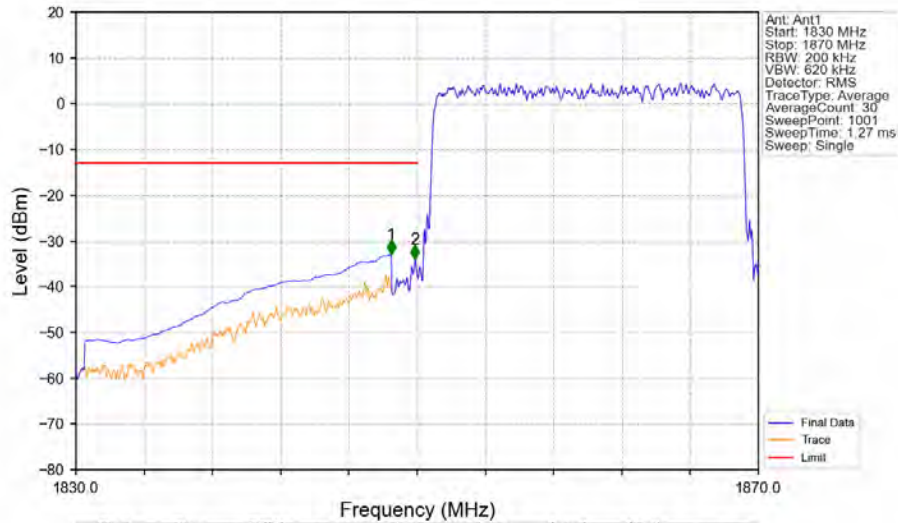
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Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1830	1849	1	CHP	1	1848.480	-32.95	-13	Pass
1849	1850	0.2	/	2	1849.880	-33.95	-13	Pass
1850	1870	0.2	/	/	/	/	/	/



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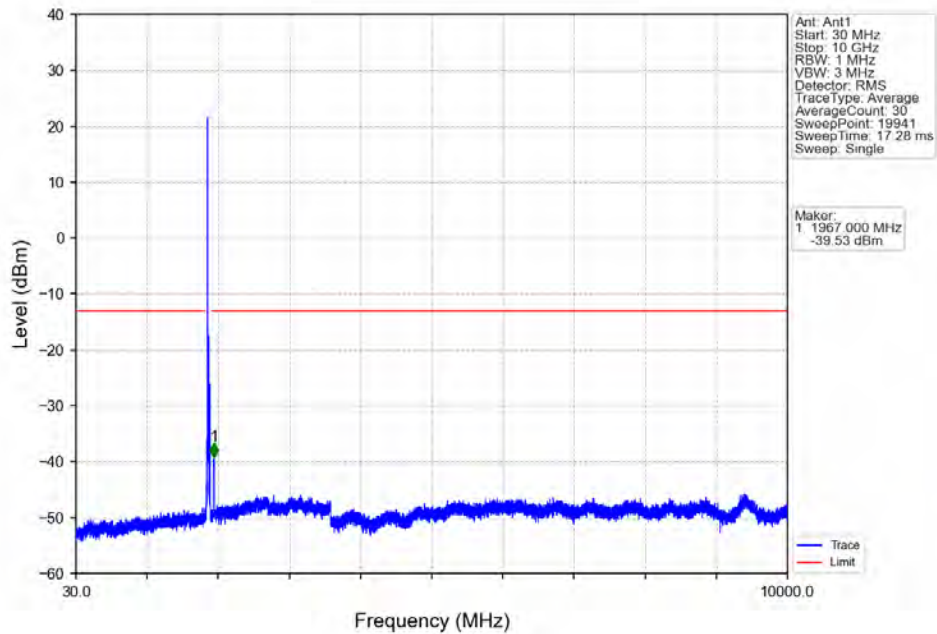
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Band25_20MHz_QPSK_MCH_1882.5MHz_RB_1_0_NTNV



Band25_20MHz_QPSK_MCH_1882.5MHz_RB_1_0_NTNV



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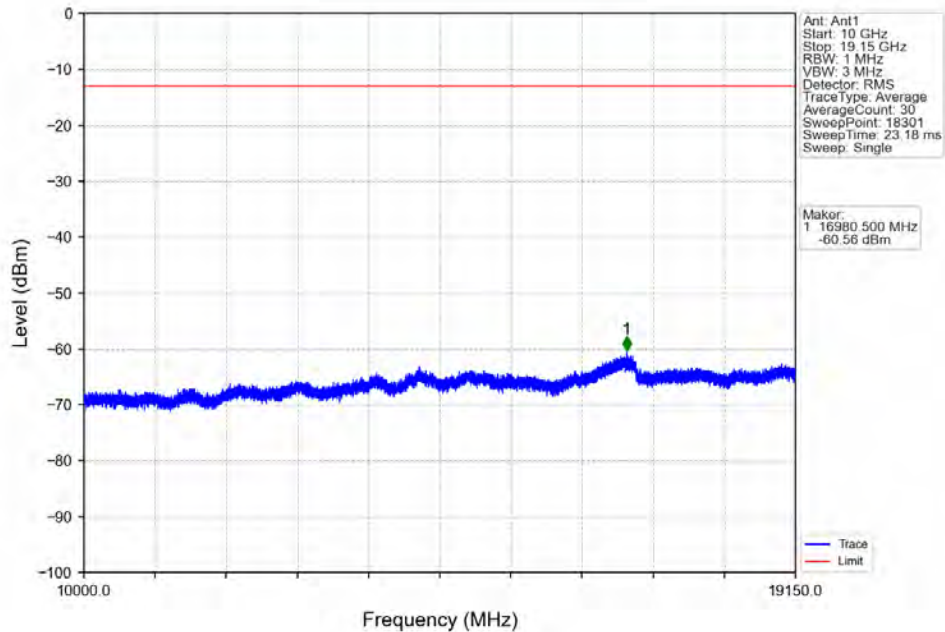
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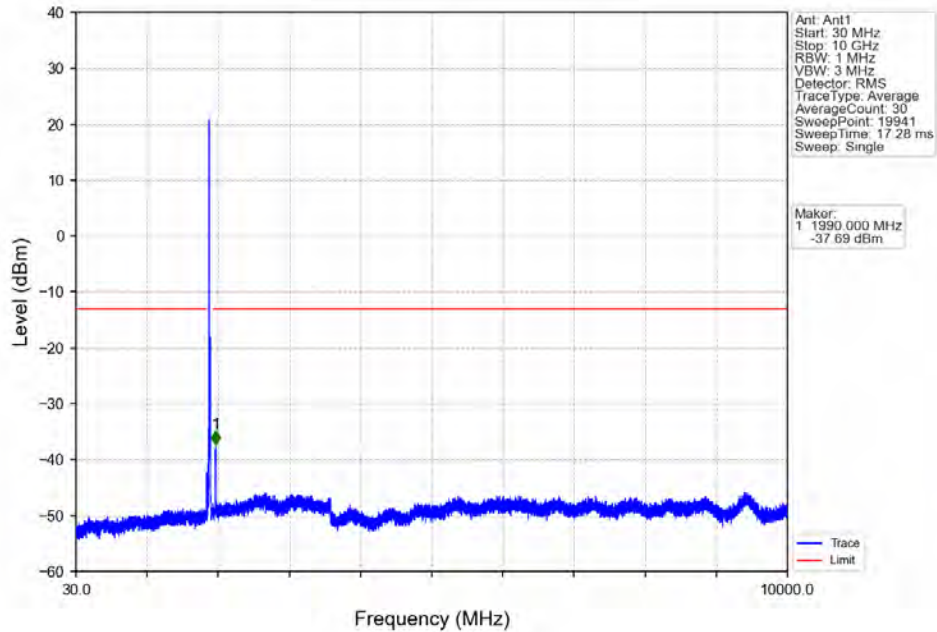
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Band25_20MHz_QPSK_HCH_1905MHz_RB_1_0_NTNV



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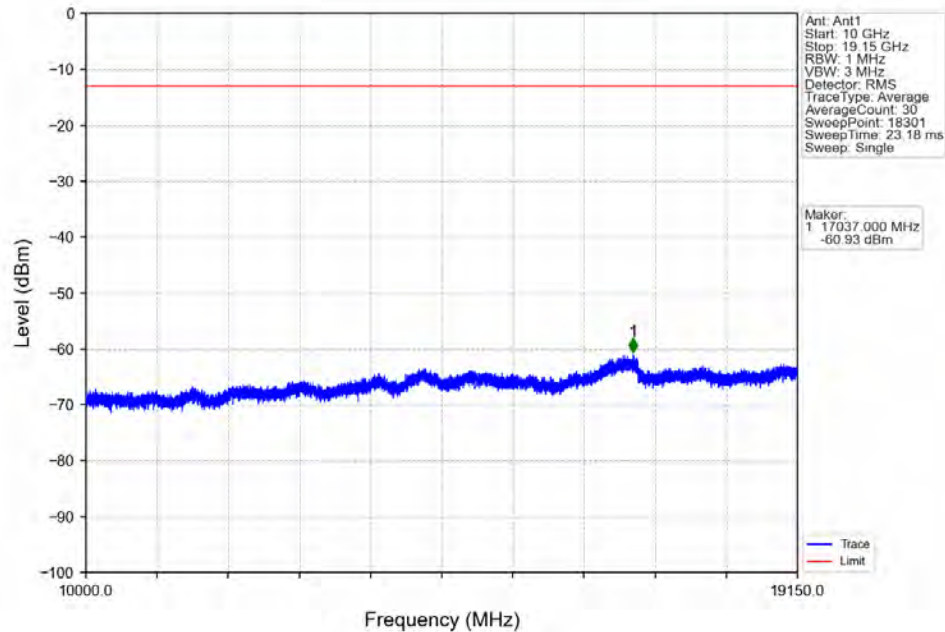
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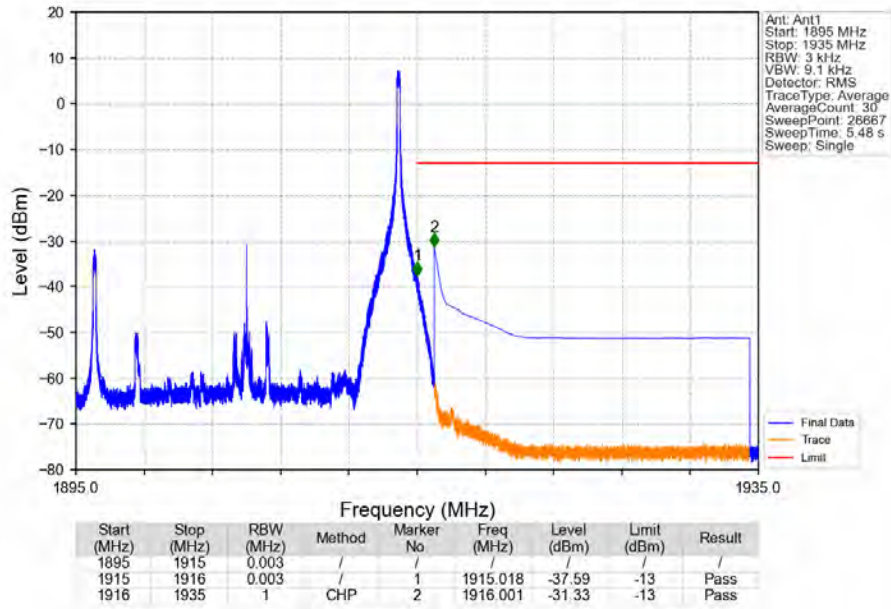
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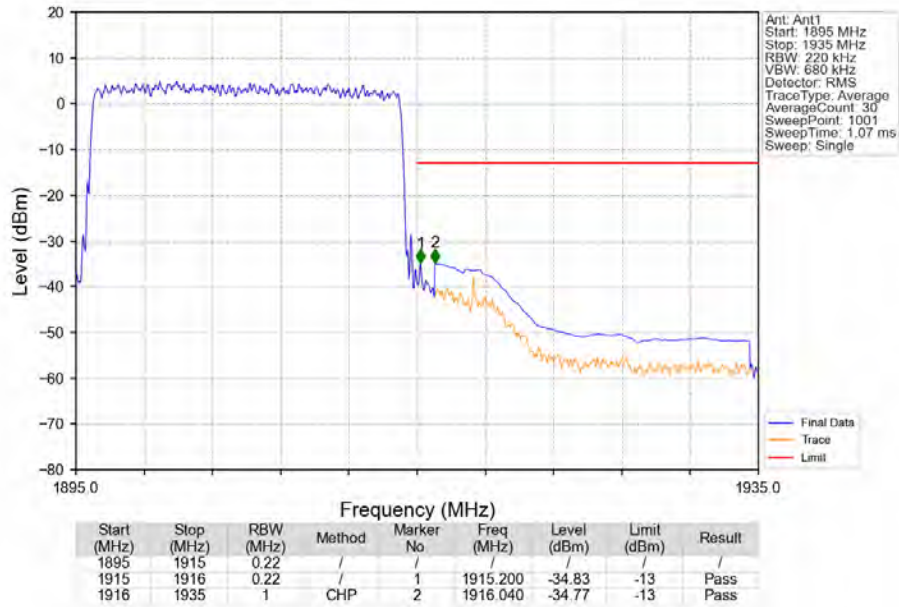
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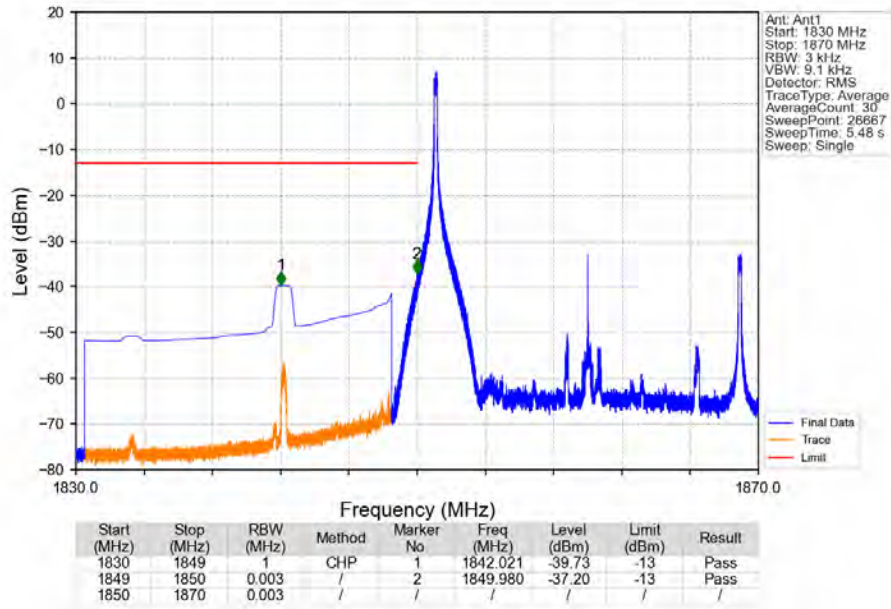
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Band25_20MHz_16QAM_LCH_1860MHz_RB_1_0_NTNV



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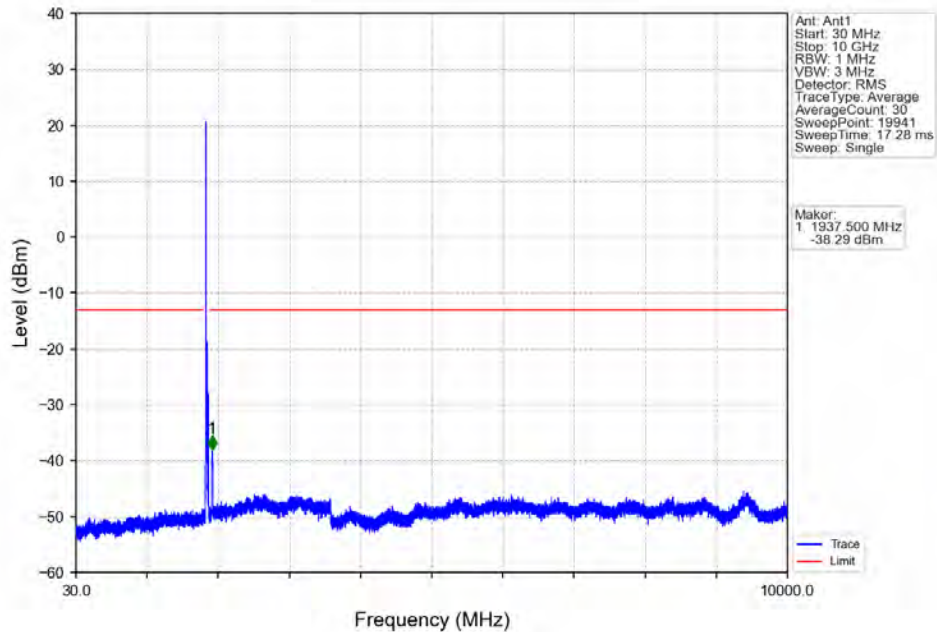
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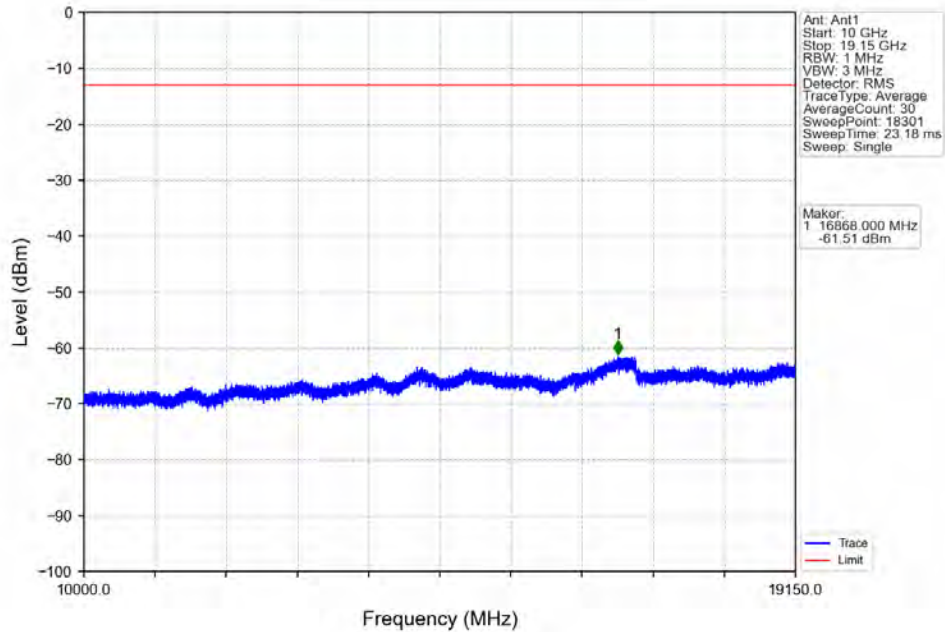
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Band25_20MHz_16QAM_LCH_1860MHz_RB_1_0_NTNV



Band25_20MHz_16QAM_LCH_1860MHz_RB_100_0_NTNV



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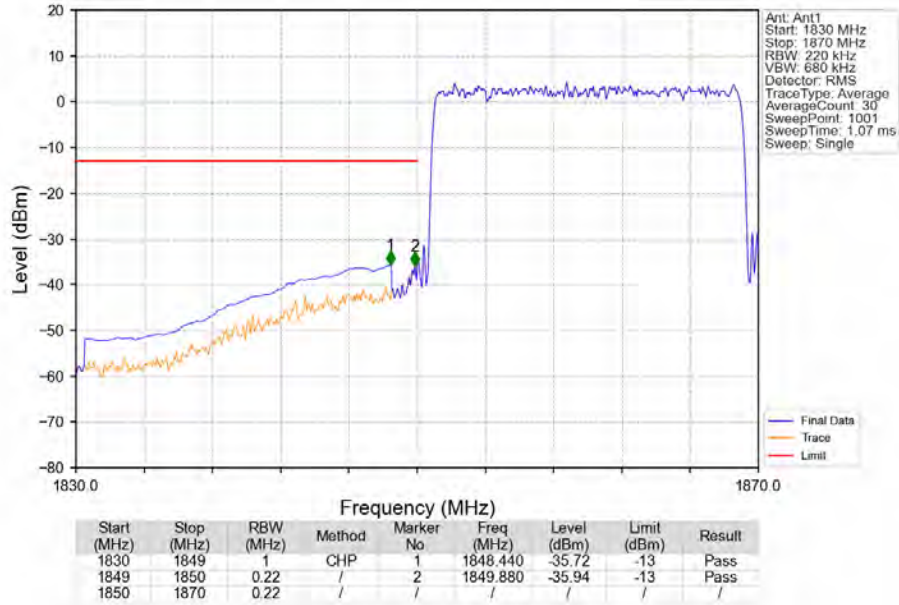
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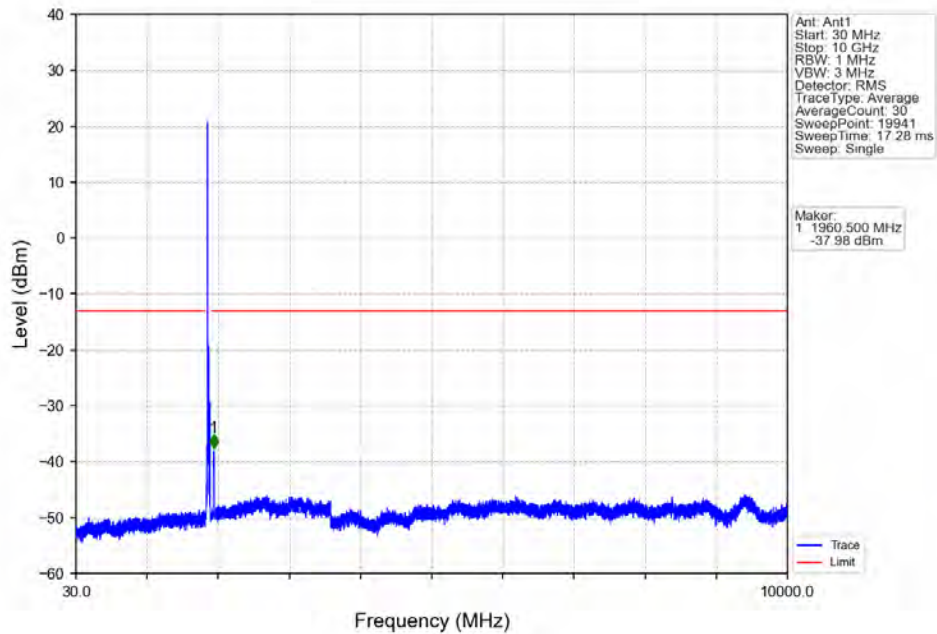
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Band25_20MHz_16QAM_MCH_1882.5MHz_RB_1_0_NTNV



Band25_20MHz_16QAM_MCH_1882.5MHz_RB_1_0_NTNV



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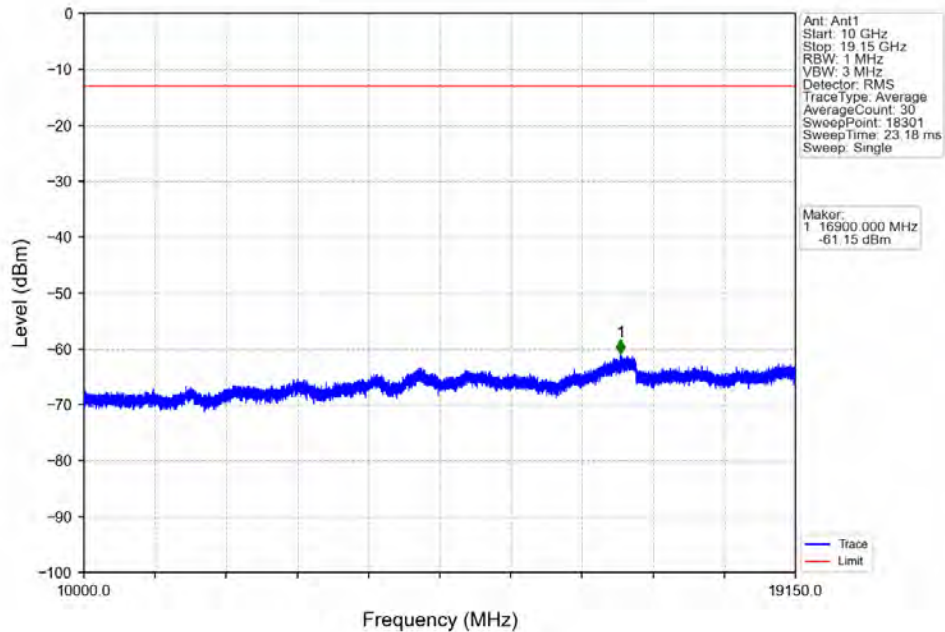
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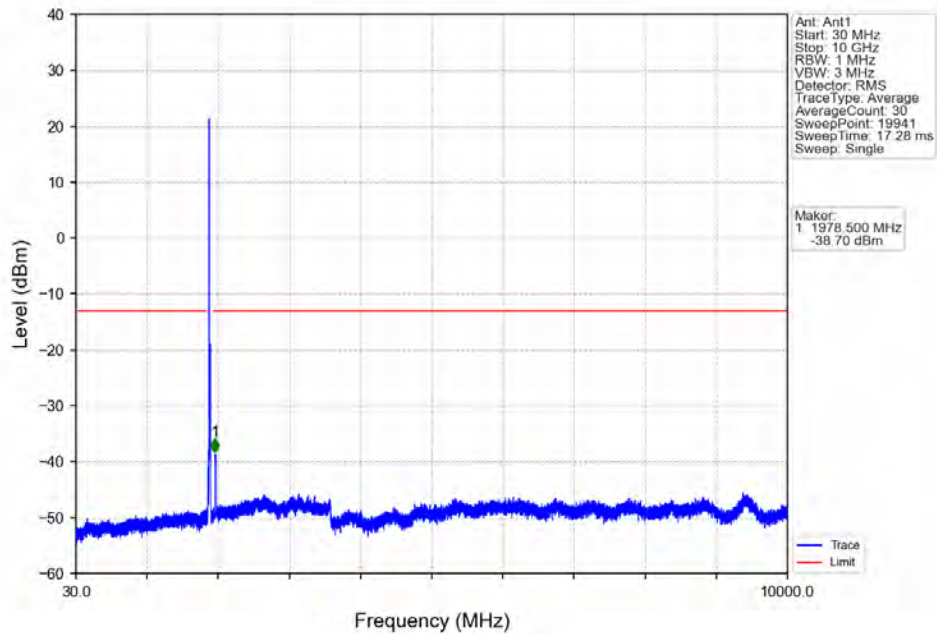
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Band25_20MHz_16QAM_HCH_1905MHz_RB_1_0_NTNV



Band25_20MHz_16QAM_HCH_1905MHz_RB_1_0_NTNV



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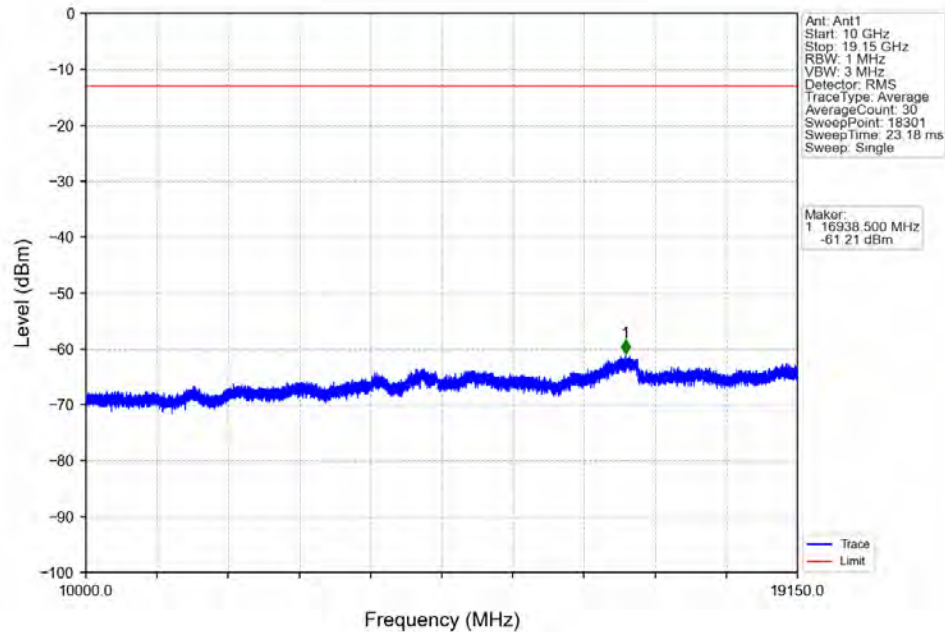
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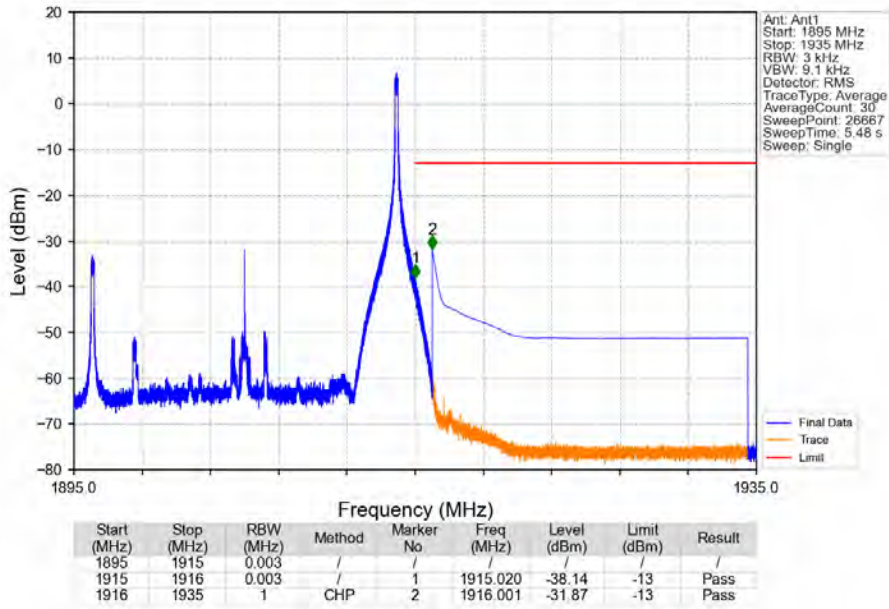
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Band25_20MHz_16QAM_HCH_1905MHz_RB_1_99_NTNV



Band25_20MHz_16QAM_HCH_1905MHz_RB_100_0_NTNV



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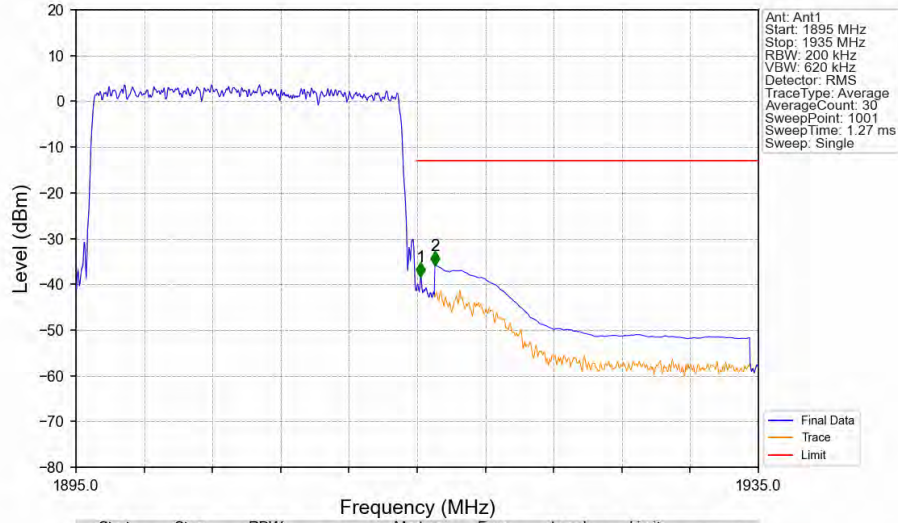
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Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1895	1915	0.2	/	1	1915.200	-38.35	-13	Pass
1915	1916	0.2	/	2	1916.040	-35.89	-13	Pass
1916	1935	1	CHP					



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6. Field Strength of Spurious Radiation

Test Band = LTE_25_TM1
 Test Channel = LCH

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1405	35.46	-19.88	24.94	-54.74	-13.00	41.74	Horizontal
2	3702	56.15	-44.52	29.31	-54.32	-13.00	41.32	Horizontal
3	5553.5	51.80	-41.63	32.23	-52.86	-13.00	39.86	Horizontal
4	8466	41.41	-36.64	36.43	-54.06	-13.00	41.06	Horizontal
5	11106	40.31	-37.69	40.20	-52.44	-13.00	39.44	Horizontal
6	16345.5	34.59	-35.12	38.64	-57.15	-13.00	44.15	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1372.5	35.26	-19.90	25.01	-54.89	-13.00	41.89	Vertical
2	3702.5	52.61	-44.52	29.32	-57.85	-13.00	44.85	Vertical
3	5524.5	49.40	-41.75	32.30	-55.31	-13.00	42.31	Vertical
4	7918.5	41.67	-37.44	36.46	-54.57	-13.00	41.57	Vertical
5	11795.5	40.31	-38.77	39.80	-53.92	-13.00	40.92	Vertical
6	15283.5	35.72	-36.05	39.87	-55.72	-13.00	42.72	Vertical



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Test Band = LTE_25_TM1
Test Channel = MCH

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1363	35.25	-20.04	25.05	-55.00	-13.00	42.00	Horizontal
2	3747	56.41	-44.71	29.58	-53.98	-13.00	40.98	Horizontal
3	5524.5	49.46	-41.75	32.30	-55.25	-13.00	42.25	Horizontal
4	5621	50.72	-41.38	32.56	-53.36	-13.00	40.36	Horizontal
5	6850	42.49	-39.36	35.60	-56.53	-13.00	43.53	Horizontal
6	11131	40.78	-38.10	40.20	-52.38	-13.00	39.38	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1418	35.02	-19.68	25.04	-54.88	-13.00	41.88	Vertical
2	3747	54.37	-44.71	29.58	-56.02	-13.00	43.02	Vertical
3	5524.5	48.39	-41.75	32.30	-56.32	-13.00	43.32	Vertical
4	5621	50.58	-41.38	32.56	-53.50	-13.00	40.50	Vertical
5	7408	41.89	-38.28	36.72	-54.93	-13.00	41.93	Vertical
6	11768.5	40.46	-39.15	39.83	-54.12	-13.00	41.12	Vertical



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Test Band = LTE_25_TM1
Test Channel = HCH

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1369.5	35.28	-19.87	25.02	-54.83	-13.00	41.83	Horizontal
2	3792	56.96	-44.90	29.77	-53.43	-13.00	40.43	Horizontal
3	5524.5	49.81	-41.75	32.30	-54.90	-13.00	41.90	Horizontal
4	5688.5	50.69	-41.17	32.50	-53.24	-13.00	40.24	Horizontal
5	8467.5	40.99	-36.63	36.44	-54.46	-13.00	41.46	Horizontal
6	11143	40.99	-38.30	40.20	-52.37	-13.00	39.37	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1426.5	35.21	-19.71	25.11	-54.65	-13.00	41.65	Vertical
2	3792.5	54.17	-44.90	29.77	-56.22	-13.00	43.22	Vertical
3	5688	51.26	-41.18	32.50	-52.68	-13.00	39.68	Vertical
4	7912	41.84	-37.45	36.48	-54.39	-13.00	41.39	Vertical
5	11132.5	40.70	-38.13	40.20	-52.49	-13.00	39.49	Vertical
6	15205.5	34.81	-35.34	39.71	-56.08	-13.00	43.08	Vertical

Remark:

1) The field strength is calculated by adding the Antenna Factor, Cable Factor & AMP. The basic equation with a sample calculation is as follows:

AF = Antenna Factor(dB/m)

Factor = Cable Factor(dB) - Preamplifier (dB)

Level = Reading Level + AF + Factor -95.26

Margin = Limit – Level

---End of Attachment---



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