Appendix B.12

LTE Band 25

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1. Effective (Isotropic) Radiated Power Output Data

1.1 B25_1.4MHz_EIRP (NPANT001)

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	23.68	3.87	27.55	<=33.00	Pass
			2	23.77	3.87	27.64	<=33.00	Pass
			5	23.75	3.87	27.62	<=33.00	Pass
		3	0	23.74	3.87	27.61	<=33.00	Pass
			2	23.78	3.87	27.65	<=33.00	Pass
			3	23.72	3.87	27.59	<=33.00	Pass
		6	0	22.77	3.87	26.64	<=33.00	Pass
	1882.5	1	0	23.60	3.87	27.47	<=33.00	Pass
			2	23.70	3.87	27.57	<=33.00	Pass
			5	23.65	3.87	27.52	<=33.00	Pass
		3	0	23.61	3.87	27.48	<=33.00	Pass
			2	23.70	3.87	27.57	<=33.00	Pass
			3	23.61	3.87	27.48	<=33.00	Pass
		6	0	22.66	3.87	26.53	<=33.00	Pass
	1914.3	1	0	23.65	3.87	27.52	<=33.00	Pass
			2	23.69	3.87	27.56	<=33.00	Pass
			5	23.64	3.87	27.51	<=33.00	Pass
		3	0	23.76	3.87	27.63	<=33.00	Pass
			2	23.79	3.87	27.66	<=33.00	Pass
			3	23.73	3.87	27.60	<=33.00	Pass
		6	0	22.74	3.87	26.61	<=33.00	Pass
16QAM	1850.7	1	0	22.82	3.87	26.69	<=33.00	Pass
			2	22.94	3.87	26.81	<=33.00	Pass
			5	22.83	3.87	26.70	<=33.00	Pass
		3	0	22.70	3.87	26.57	<=33.00	Pass
			2	22.76	3.87	26.63	<=33.00	Pass
			3	22.70	3.87	26.57	<=33.00	Pass
		6	0	21.76	3.87	25.63	<=33.00	Pass
	1882.5	1	0	22.65	3.87	26.52	<=33.00	Pass
			2	22.74	3.87	26.61	<=33.00	Pass
			5	22.65	3.87	26.52	<=33.00	Pass
		3	0	22.69	3.87	26.56	<=33.00	Pass
			2	22.74	3.87	26.61	<=33.00	Pass
			3	22.68	3.87	26.55	<=33.00	Pass
		6	0	21.57	3.87	25.44	<=33.00	Pass
	1914.3	1	0	22.71	3.87	26.58	<=33.00	Pass
			2	22.73	3.87	26.60	<=33.00	Pass
			5	22.68	3.87	26.55	<=33.00	Pass
		3	0	22.98	3.87	26.85	<=33.00	Pass
			2	23.03	3.87	26.90	<=33.00	Pass

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			3	22.95	3.87	26.82	<=33.00	Pass
		6	0	21.77	3.87	25.64	<=33.00	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

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1.2 B25_3MHz_EIRP

1.2.1 Test Result

Band: 25 / Bandwidth: 3MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1851.5	1	0	23.72	3.87	27.59	<=33.00	Pass
			7	23.84	3.87	27.71	<=33.00	Pass
			14	23.74	3.87	27.61	<=33.00	Pass
		8	0	22.84	3.87	26.71	<=33.00	Pass
			4	22.86	3.87	26.73	<=33.00	Pass
			7	22.85	3.87	26.72	<=33.00	Pass
		15	0	22.82	3.87	26.69	<=33.00	Pass
	1882.5	1	0	23.71	3.87	27.58	<=33.00	Pass
			7	23.82	3.87	27.69	<=33.00	Pass
			14	23.69	3.87	27.56	<=33.00	Pass
		8	0	22.77	3.87	26.64	<=33.00	Pass
			4	22.78	3.87	26.65	<=33.00	Pass
			7	22.75	3.87	26.62	<=33.00	Pass
		15	0	22.76	3.87	26.63	<=33.00	Pass
	1913.5	1	0	23.75	3.87	27.62	<=33.00	Pass
			7	23.86	3.87	27.73	<=33.00	Pass
			14	23.72	3.87	27.59	<=33.00	Pass
		8	0	22.81	3.87	26.68	<=33.00	Pass
			4	22.84	3.87	26.71	<=33.00	Pass
			7	22.80	3.87	26.67	<=33.00	Pass
		15	0	22.81	3.87	26.68	<=33.00	Pass
16QAM	1851.5	1	0	23.28	3.87	27.15	<=33.00	Pass
			7	23.38	3.87	27.25	<=33.00	Pass
			14	23.28	3.87	27.15	<=33.00	Pass
		8	0	21.98	3.87	25.85	<=33.00	Pass
			4	21.99	3.87	25.86	<=33.00	Pass
			7	21.96	3.87	25.83	<=33.00	Pass
		15	0	21.90	3.87	25.77	<=33.00	Pass
	1882.5	1	0	22.84	3.87	26.71	<=33.00	Pass
			7	22.97	3.87	26.84	<=33.00	Pass
			14	22.83	3.87	26.70	<=33.00	Pass
		8	0	21.74	3.87	25.61	<=33.00	Pass
			4	21.79	3.87	25.66	<=33.00	Pass
			7	21.74	3.87	25.61	<=33.00	Pass
		15	0	21.77	3.87	25.64	<=33.00	Pass
	1913.5	1	0	22.80	3.87	26.67	<=33.00	Pass
			7	22.84	3.87	26.71	<=33.00	Pass
			14	22.78	3.87	26.65	<=33.00	Pass
		8	0	21.89	3.87	25.76	<=33.00	Pass
			4	21.96	3.87	25.83	<=33.00	Pass
			7	21.89	3.87	25.76	<=33.00	Pass
		15	0	21.92	3.87	25.79	<=33.00	Pass

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Note1: EIRP=Conducted Power+Antenna Gain

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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	23.80	3.87	27.67	<=33.00	Pass
			13	23.89	3.87	27.76	<=33.00	Pass
			24	23.79	3.87	27.66	<=33.00	Pass
		12	0	22.85	3.87	26.72	<=33.00	Pass
			6	22.89	3.87	26.76	<=33.00	Pass
			13	22.86	3.87	26.73	<=33.00	Pass
		25	0	22.85	3.87	26.72	<=33.00	Pass
	1882.5	1	0	23.76	3.87	27.63	<=33.00	Pass
			13	23.79	3.87	27.66	<=33.00	Pass
			24	23.71	3.87	27.58	<=33.00	Pass
		12	0	22.79	3.87	26.66	<=33.00	Pass
			6	22.77	3.87	26.64	<=33.00	Pass
			13	22.73	3.87	26.60	<=33.00	Pass
		25	0	22.77	3.87	26.64	<=33.00	Pass
	1912.5	1	0	23.73	3.87	27.60	<=33.00	Pass
			13	23.83	3.87	27.70	<=33.00	Pass
			24	23.72	3.87	27.59	<=33.00	Pass
		12	0	22.84	3.87	26.71	<=33.00	Pass
			6	22.83	3.87	26.70	<=33.00	Pass
			13	22.80	3.87	26.67	<=33.00	Pass
		25	0	22.83	3.87	26.70	<=33.00	Pass
16QAM	1852.5	1	0	22.64	3.87	26.51	<=33.00	Pass
			13	22.72	3.87	26.59	<=33.00	Pass
			24	22.65	3.87	26.52	<=33.00	Pass
		12	0	21.85	3.87	25.72	<=33.00	Pass
			6	21.86	3.87	25.73	<=33.00	Pass
			13	21.84	3.87	25.71	<=33.00	Pass
		25	0	21.84	3.87	25.71	<=33.00	Pass
	1882.5	1	0	22.99	3.87	26.86	<=33.00	Pass
			13	23.07	3.87	26.94	<=33.00	Pass
			24	22.95	3.87	26.82	<=33.00	Pass
		12	0	21.83	3.87	25.70	<=33.00	Pass
			6	21.84	3.87	25.71	<=33.00	Pass
			13	21.82	3.87	25.69	<=33.00	Pass
		25	0	21.80	3.87	25.67	<=33.00	Pass
	1912.5	1	0	22.85	3.87	26.72	<=33.00	Pass
			13	22.94	3.87	26.81	<=33.00	Pass
			24	22.86	3.87	26.73	<=33.00	Pass
		12	0	21.87	3.87	25.74	<=33.00	Pass
			6	21.89	3.87	25.76	<=33.00	Pass
			13	21.82	3.87	25.69	<=33.00	Pass
		25	0	21.88	3.87	25.75	<=33.00	Pass

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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	23.81	3.87	27.68	<=33.00	Pass
			25	23.80	3.87	27.67	<=33.00	Pass
			49	23.77	3.87	27.64	<=33.00	Pass
		25	0	22.86	3.87	26.73	<=33.00	Pass
			13	22.88	3.87	26.75	<=33.00	Pass
			25	22.88	3.87	26.75	<=33.00	Pass
		50	0	22.87	3.87	26.74	<=33.00	Pass
	1882.5	1	0	23.73	3.87	27.60	<=33.00	Pass
			25	23.70	3.87	27.57	<=33.00	Pass
			49	23.66	3.87	27.53	<=33.00	Pass
		25	0	22.78	3.87	26.65	<=33.00	Pass
			13	22.79	3.87	26.66	<=33.00	Pass
			25	22.78	3.87	26.65	<=33.00	Pass
		50	0	22.81	3.87	26.68	<=33.00	Pass
	1910	1	0	23.76	3.87	27.63	<=33.00	Pass
			25	23.75	3.87	27.62	<=33.00	Pass
			49	23.73	3.87	27.60	<=33.00	Pass
		25	0	22.81	3.87	26.68	<=33.00	Pass
			13	22.82	3.87	26.69	<=33.00	Pass
			25	22.79	3.87	26.66	<=33.00	Pass
		50	0	22.84	3.87	26.71	<=33.00	Pass
16QAM	1855	1	0	23.30	3.87	27.17	<=33.00	Pass
			25	23.34	3.87	27.21	<=33.00	Pass
			49	23.34	3.87	27.21	<=33.00	Pass
		25	0	21.90	3.87	25.77	<=33.00	Pass
			13	21.96	3.87	25.83	<=33.00	Pass
			25	21.93	3.87	25.80	<=33.00	Pass
		50	0	21.89	3.87	25.76	<=33.00	Pass
	1882.5	1	0	22.91	3.87	26.78	<=33.00	Pass
			25	22.91	3.87	26.78	<=33.00	Pass
			49	22.84	3.87	26.71	<=33.00	Pass
		25	0	21.83	3.87	25.70	<=33.00	Pass
			13	21.83	3.87	25.70	<=33.00	Pass
			25	21.76	3.87	25.63	<=33.00	Pass
		50	0	21.83	3.87	25.70	<=33.00	Pass
	1910	1	0	22.78	3.87	26.65	<=33.00	Pass
			25	22.79	3.87	26.66	<=33.00	Pass
			49	22.70	3.87	26.57	<=33.00	Pass
		25	0	21.91	3.87	25.78	<=33.00	Pass
			13	21.93	3.87	25.80	<=33.00	Pass
			25	21.90	3.87	25.77	<=33.00	Pass
		50	0	21.88	3.87	25.75	<=33.00	Pass

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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	23.77	3.87	27.64	<=33.00	Pass
			38	23.81	3.87	27.68	<=33.00	Pass
			74	23.75	3.87	27.62	<=33.00	Pass
		36	0	22.89	3.87	26.76	<=33.00	Pass
			18	22.92	3.87	26.79	<=33.00	Pass
			39	22.85	3.87	26.72	<=33.00	Pass
		75	0	22.86	3.87	26.73	<=33.00	Pass
	1882.5	1	0	23.76	3.87	27.63	<=33.00	Pass
			38	23.71	3.87	27.58	<=33.00	Pass
			74	23.63	3.87	27.50	<=33.00	Pass
		36	0	22.84	3.87	26.71	<=33.00	Pass
			18	22.82	3.87	26.69	<=33.00	Pass
			39	22.77	3.87	26.64	<=33.00	Pass
		75	0	22.84	3.87	26.71	<=33.00	Pass
	1907.5	1	0	23.63	3.87	27.50	<=33.00	Pass
			38	23.70	3.87	27.57	<=33.00	Pass
			74	23.62	3.87	27.49	<=33.00	Pass
		36	0	22.78	3.87	26.65	<=33.00	Pass
			18	22.81	3.87	26.68	<=33.00	Pass
			39	22.81	3.87	26.68	<=33.00	Pass
		75	0	22.82	3.87	26.69	<=33.00	Pass
16QAM	1857.5	1	0	23.34	3.87	27.21	<=33.00	Pass
			38	23.33	3.87	27.20	<=33.00	Pass
			74	23.33	3.87	27.20	<=33.00	Pass
		36	0	21.92	3.87	25.79	<=33.00	Pass
			18	21.93	3.87	25.80	<=33.00	Pass
			39	21.91	3.87	25.78	<=33.00	Pass
		75	0	21.91	3.87	25.78	<=33.00	Pass
	1882.5	1	0	22.92	3.87	26.79	<=33.00	Pass
			38	22.91	3.87	26.78	<=33.00	Pass
			74	22.83	3.87	26.70	<=33.00	Pass
		36	0	21.87	3.87	25.74	<=33.00	Pass
			18	21.85	3.87	25.72	<=33.00	Pass
			39	21.80	3.87	25.67	<=33.00	Pass
		75	0	21.80	3.87	25.67	<=33.00	Pass
	1907.5	1	0	23.03	3.87	26.90	<=33.00	Pass
			38	23.05	3.87	26.92	<=33.00	Pass
			74	23.06	3.87	26.93	<=33.00	Pass
		36	0	21.77	3.87	25.64	<=33.00	Pass
			18	21.80	3.87	25.67	<=33.00	Pass
			39	21.81	3.87	25.68	<=33.00	Pass
		75	0	21.76	3.87	25.63	<=33.00	Pass

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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	23.77	3.87	27.64	<=33.00	Pass
			50	23.85	3.87	27.72	<=33.00	Pass
			99	23.67	3.87	27.54	<=33.00	Pass
		50	0	22.91	3.87	26.78	<=33.00	Pass
			25	22.90	3.87	26.77	<=33.00	Pass
			50	22.81	3.87	26.68	<=33.00	Pass
		100	0	22.80	3.87	26.67	<=33.00	Pass
	1882.5	1	0	23.75	3.87	27.62	<=33.00	Pass
			50	23.77	3.87	27.64	<=33.00	Pass
			99	23.63	3.87	27.50	<=33.00	Pass
		50	0	22.84	3.87	26.71	<=33.00	Pass
			25	22.80	3.87	26.67	<=33.00	Pass
			50	22.77	3.87	26.64	<=33.00	Pass
		100	0	22.80	3.87	26.67	<=33.00	Pass
	1905	1	0	23.55	3.87	27.42	<=33.00	Pass
			50	23.68	3.87	27.55	<=33.00	Pass
			99	23.61	3.87	27.48	<=33.00	Pass
		50	0	22.75	3.87	26.62	<=33.00	Pass
			25	22.77	3.87	26.64	<=33.00	Pass
			50	22.80	3.87	26.67	<=33.00	Pass
		100	0	22.76	3.87	26.63	<=33.00	Pass
16QAM	1860	1	0	23.01	3.87	26.88	<=33.00	Pass
			50	23.10	3.87	26.97	<=33.00	Pass
			99	22.93	3.87	26.80	<=33.00	Pass
		50	0	21.91	3.87	25.78	<=33.00	Pass
			25	21.92	3.87	25.79	<=33.00	Pass
			50	21.83	3.87	25.70	<=33.00	Pass
		100	0	21.85	3.87	25.72	<=33.00	Pass
	1882.5	1	0	22.96	3.87	26.83	<=33.00	Pass
			50	22.93	3.87	26.80	<=33.00	Pass
			99	22.85	3.87	26.72	<=33.00	Pass
		50	0	21.85	3.87	25.72	<=33.00	Pass
			25	21.82	3.87	25.69	<=33.00	Pass
			50	21.79	3.87	25.66	<=33.00	Pass
		100	0	21.84	3.87	25.71	<=33.00	Pass
	1905	1	0	23.22	3.87	27.09	<=33.00	Pass
			50	23.21	3.87	27.08	<=33.00	Pass
			99	23.19	3.87	27.06	<=33.00	Pass
		50	0	21.77	3.87	25.64	<=33.00	Pass
			25	21.81	3.87	25.68	<=33.00	Pass
			50	21.84	3.87	25.71	<=33.00	Pass
		100	0	21.80	3.87	25.67	<=33.00	Pass

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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	3.135	-8.964	-0.0048	/	Pass
					3.7	-5.195	-0.0028	/	Pass
					4.4	-3.192	-0.0017	/	Pass
				-30	3.7	-12.783	-0.0069	/	Pass
				-20	3.7	-3.116	-0.0017	/	Pass
				-10	3.7	-11.830	-0.0064	/	Pass
				0	3.7	-1.228	-0.0007	/	Pass
				10	3.7	0.949	0.0005	/	Pass
				30	3.7	-3.717	-0.0020	/	Pass
				40	3.7	-12.984	-0.0070	/	Pass
				50	3.7	-4.293	-0.0023	/	Pass
	1882.5	100	0	20	3.135	1.110	0.0006	/	Pass
					3.7	-8.593	-0.0046	/	Pass
					4.4	-13.013	-0.0069	/	Pass
				-30	3.7	-10.196	-0.0054	/	Pass
				-20	3.7	-10.215	-0.0054	/	Pass
				-10	3.7	-4.072	-0.0022	/	Pass
				0	3.7	-9.383	-0.0050	/	Pass
				10	3.7	1.851	0.0010	/	Pass
				30	3.7	-2.473	-0.0013	/	Pass
				40	3.7	-12.881	-0.0068	/	Pass
				50	3.7	-0.958	-0.0005	/	Pass
	1905	100	0	20	3.135	-13.674	-0.0072	/	Pass
					3.7	-1.134	-0.0006	/	Pass
					4.4	-3.223	-0.0017	/	Pass
				-30	3.7	-0.047	0.0000	/	Pass
				-20	3.7	-13.512	-0.0071	/	Pass
				-10	3.7	-12.579	-0.0066	/	Pass
				0	3.7	-13.314	-0.0070	/	Pass
				10	3.7	-1.816	-0.0010	/	Pass
				30	3.7	1.105	0.0006	/	Pass
				40	3.7	-13.587	-0.0071	/	Pass
				50	3.7	-9.202	-0.0048	/	Pass
16QAM	1860	100	0	20	3.135	-11.035	-0.0059	/	Pass
					3.7	-3.427	-0.0018	/	Pass
					4.4	-5.665	-0.0030	/	Pass
				-30	3.7	-1.443	-0.0008	/	Pass
				-20	3.7	-7.390	-0.0040	/	Pass
				-10	3.7	-5.381	-0.0029	/	Pass
				0	3.7	-11.928	-0.0064	/	Pass

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				10	3.7	-8.502	-0.0046	/	Pass
				30	3.7	-0.474	-0.0003	/	Pass
				40	3.7	1.966	0.0011	/	Pass
				50	3.7	-8.202	-0.0044	/	Pass
	1882.5	100	0	20	3.135	0.858	0.0005	/	Pass
					3.7	0.366	0.0002	/	Pass
					4.4	-5.449	-0.0029	/	Pass
				-30	3.7	-7.051	-0.0037	/	Pass
				-20	3.7	-8.104	-0.0043	/	Pass
				-10	3.7	-5.581	-0.0030	/	Pass
				0	3.7	-1.433	-0.0008	/	Pass
				10	3.7	-2.825	-0.0015	/	Pass
				30	3.7	-9.715	-0.0052	/	Pass
				40	3.7	-2.019	-0.0011	/	Pass
				50	3.7	-4.686	-0.0025	/	Pass
	1905	100	0	20	3.135	-0.308	-0.0002	/	Pass
					3.7	-11.794	-0.0062	/	Pass
					4.4	-4.055	-0.0021	/	Pass
				-30	3.7	-2.147	-0.0011	/	Pass
				-20	3.7	0.968	0.0005	/	Pass
				-10	3.7	-2.857	-0.0015	/	Pass
				0	3.7	-9.099	-0.0048	/	Pass
				10	3.7	-10.715	-0.0056	/	Pass
				30	3.7	-11.199	-0.0059	/	Pass
				40	3.7	0.467	0.0002	/	Pass
				50	3.7	-7.521	-0.0039	/	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	1.110	/	Pass
		1882.5	6	0	1.124	/	Pass
		1914.3	6	0	1.097	/	Pass
	16QAM	1850.7	6	0	1.107	/	Pass
		1882.5	6	0	1.101	/	Pass
		1914.3	6	0	1.111	/	Pass
3	QPSK	1851.5	15	0	2.743	/	Pass
		1882.5	15	0	2.748	/	Pass
		1913.5	15	0	2.740	/	Pass
	16QAM	1851.5	15	0	2.737	/	Pass
		1882.5	15	0	2.735	/	Pass
		1913.5	15	0	2.744	/	Pass
5	QPSK	1852.5	25	0	4.564	/	Pass
		1882.5	25	0	4.535	/	Pass
		1912.5	25	0	4.558	/	Pass
	16QAM	1852.5	25	0	4.543	/	Pass
		1882.5	25	0	4.568	/	Pass
		1912.5	25	0	4.551	/	Pass
10	QPSK	1855	50	0	9.070	/	Pass
		1882.5	50	0	9.040	/	Pass
		1910	50	0	9.063	/	Pass
	16QAM	1855	50	0	9.076	/	Pass
		1882.5	50	0	9.050	/	Pass
		1910	50	0	9.054	/	Pass
15	QPSK	1857.5	75	0	13.576	/	Pass
		1882.5	75	0	13.547	/	Pass
		1907.5	75	0	13.552	/	Pass
	16QAM	1857.5	75	0	13.582	/	Pass
		1882.5	75	0	13.574	/	Pass
		1907.5	75	0	13.569	/	Pass
20	QPSK	1860	100	0	18.076	/	Pass
		1882.5	100	0	18.091	/	Pass
		1905	100	0	18.064	/	Pass
	16QAM	1860	100	0	18.094	/	Pass
		1882.5	100	0	18.070	/	Pass
		1905	100	0	18.049	/	Pass

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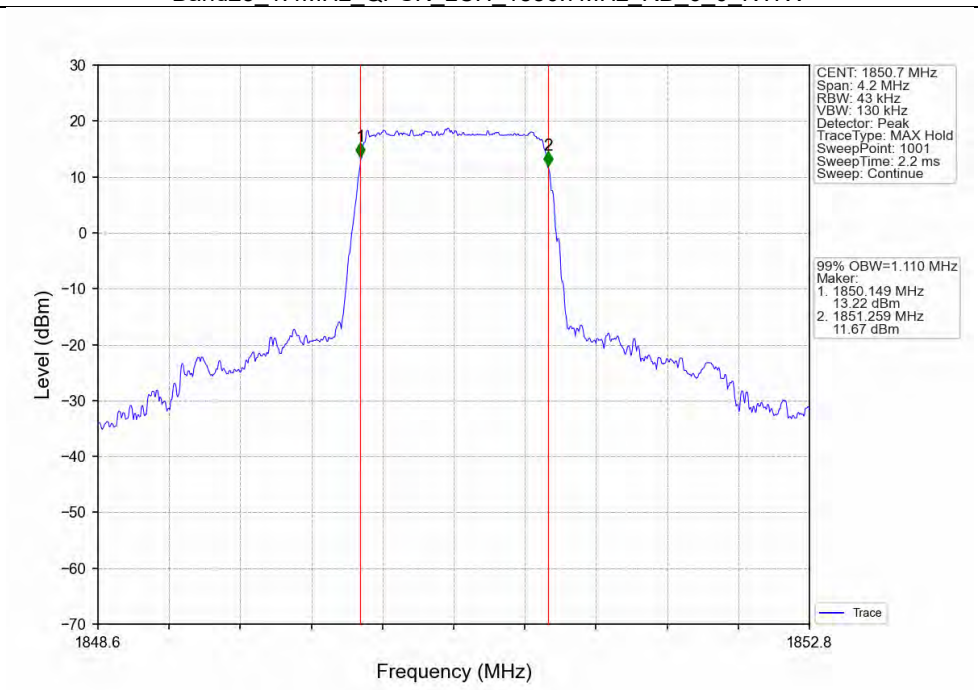
3.1.2 Test Graph

Band25_1.4MHz_QPSK_LCH_1850.7MHz_RB_6_0_NTNV



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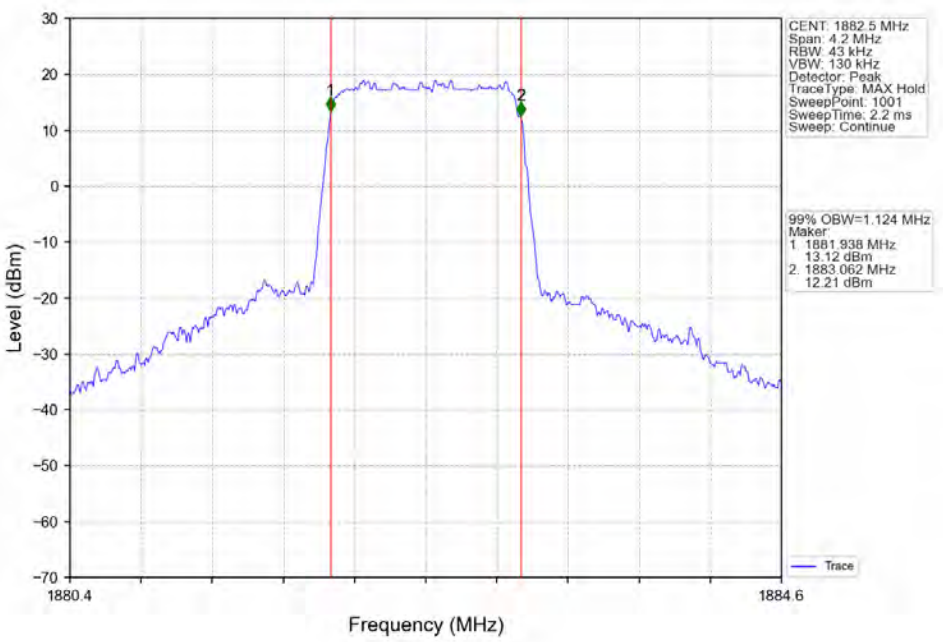
Band25_1.4MHz_QPSK_MCH_1882.5MHz_RB_6_0_NTNV



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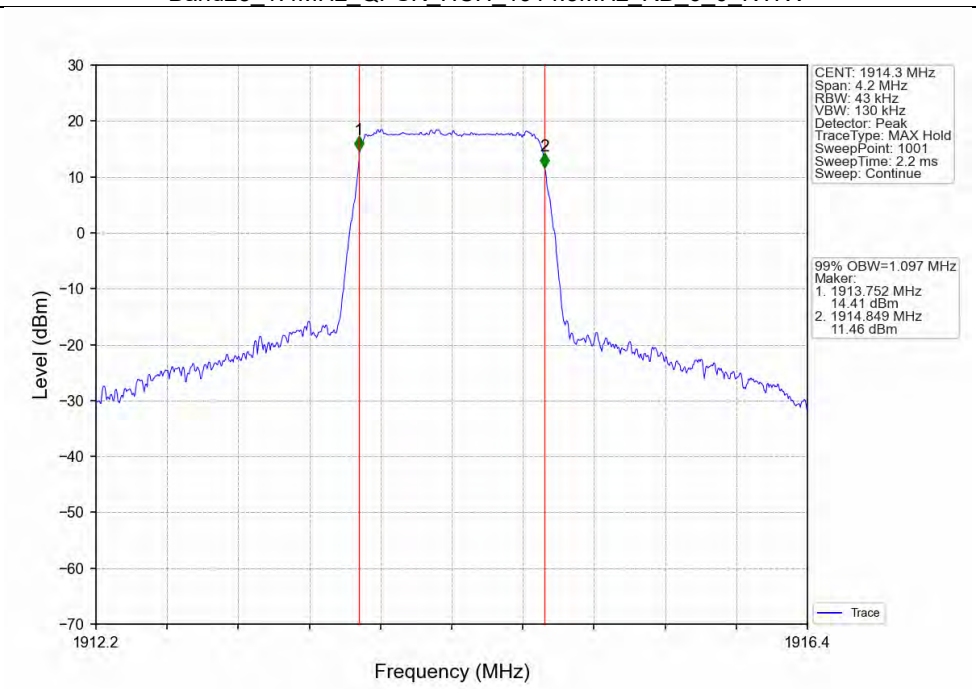
Band25_1.4MHz_QPSK_HCH_1914.3MHz_RB_6_0_NTNV



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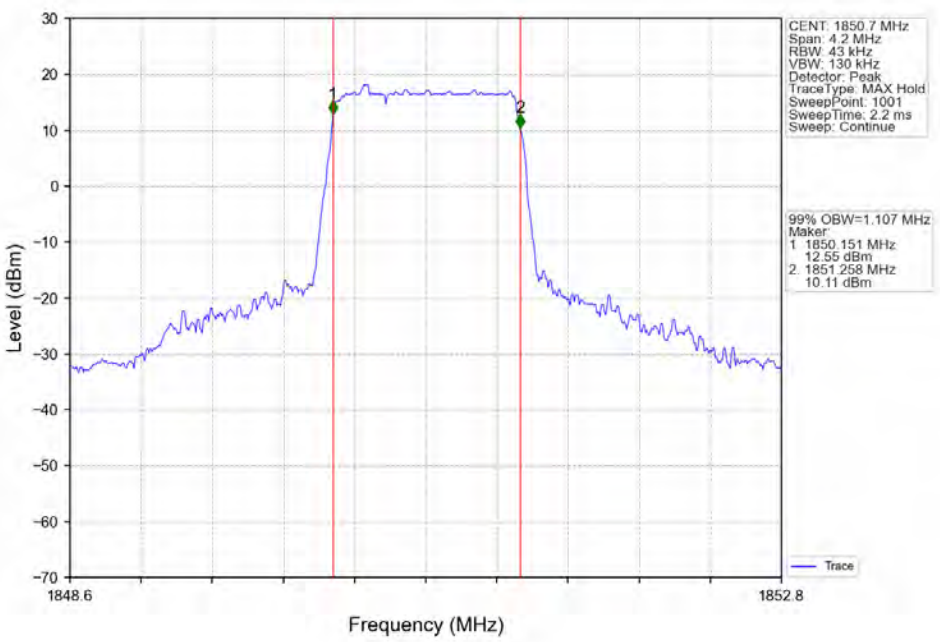

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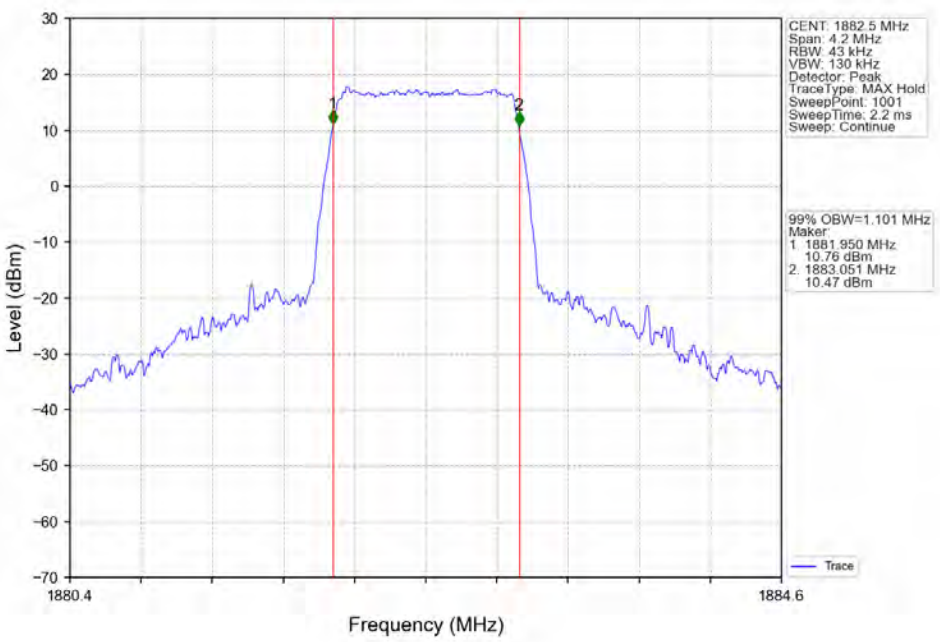

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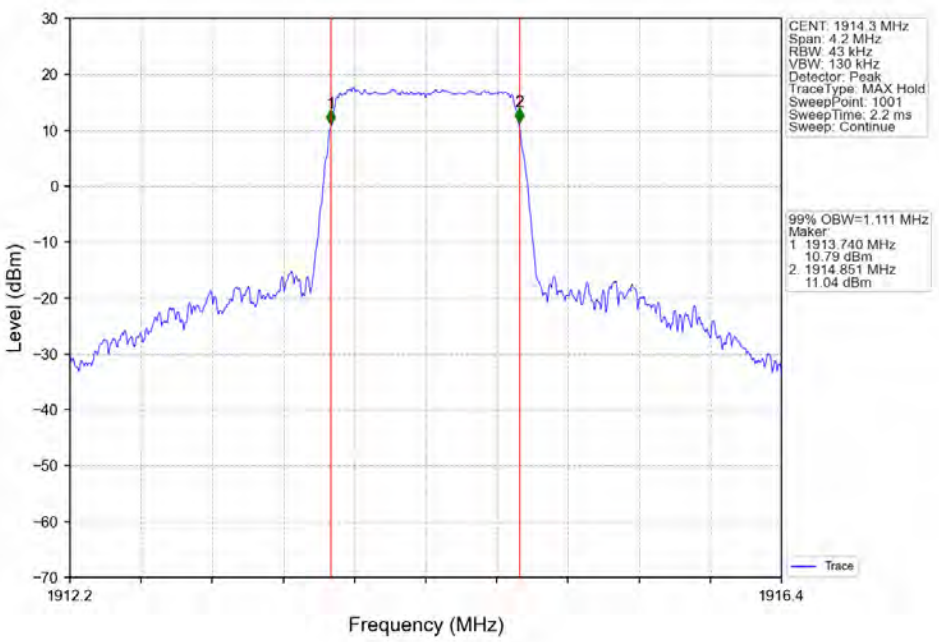

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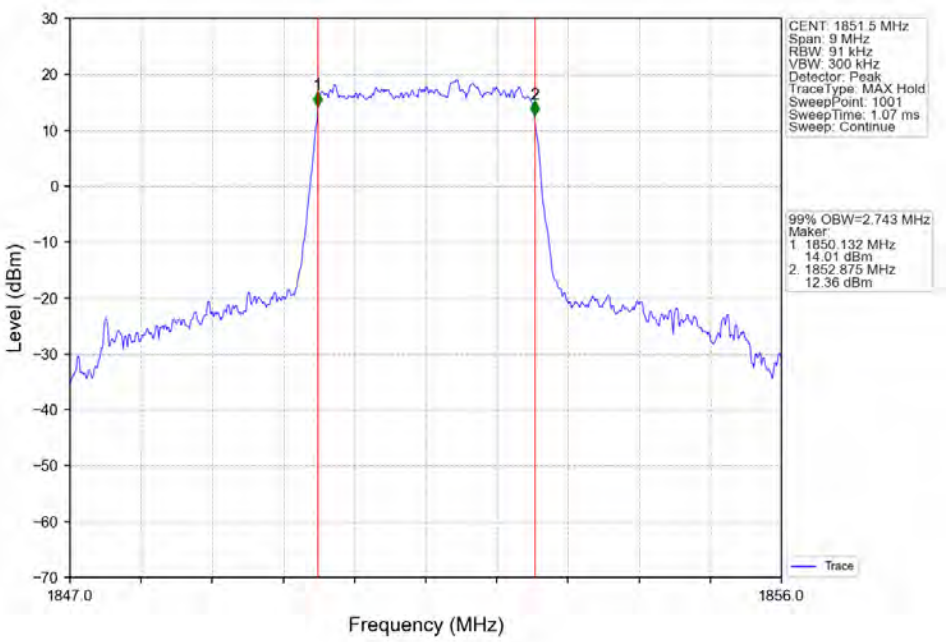

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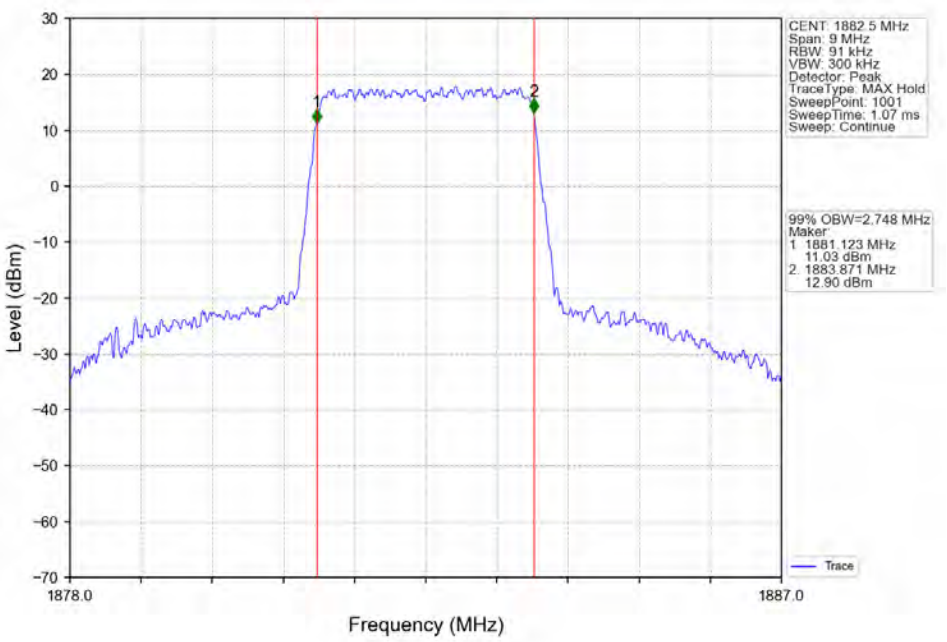

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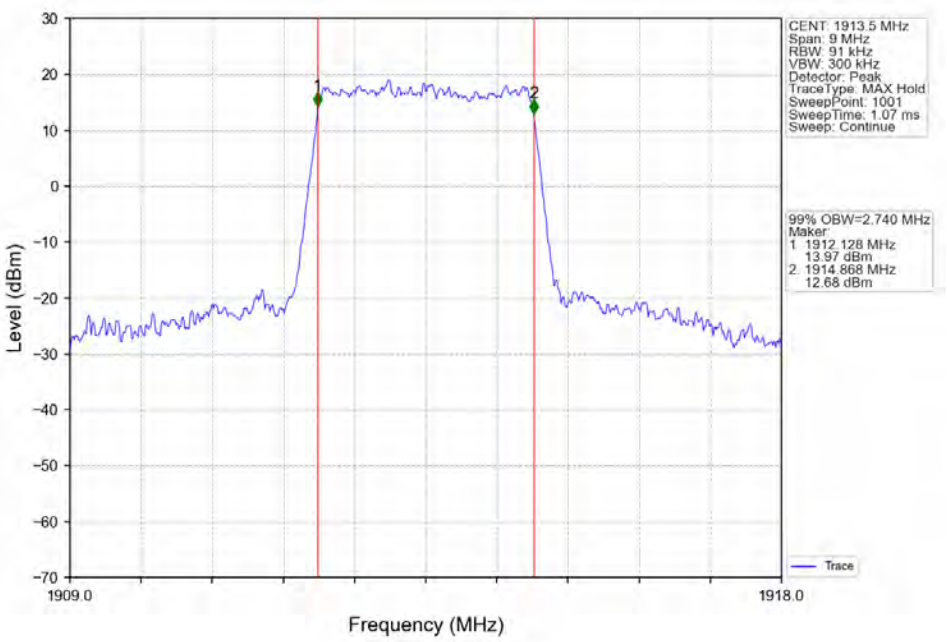

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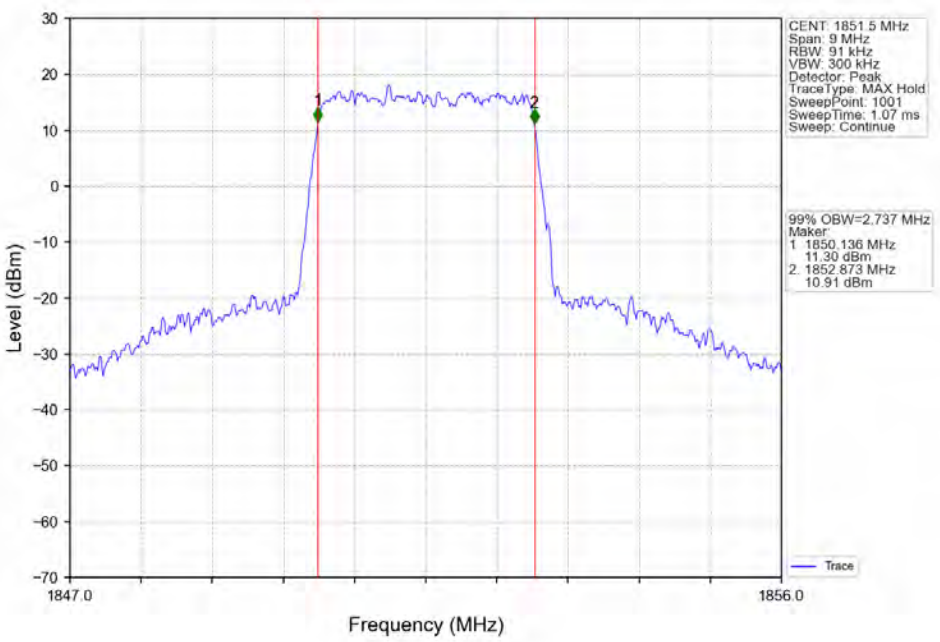

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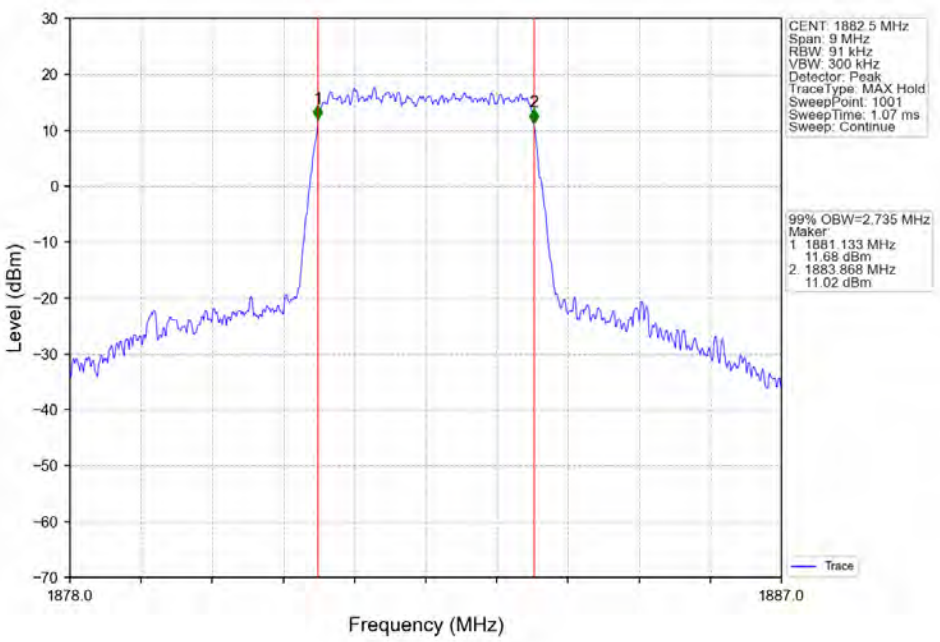

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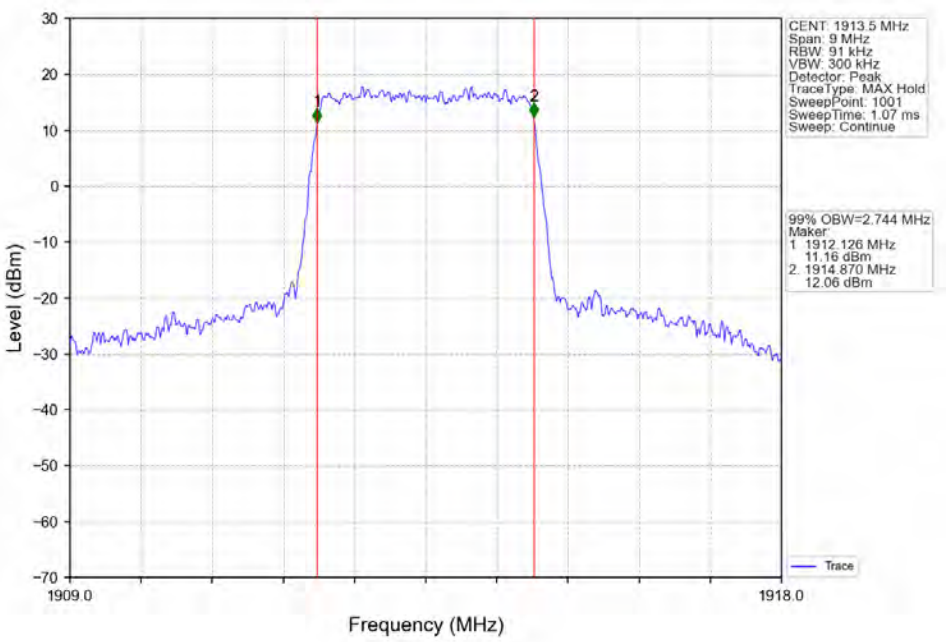

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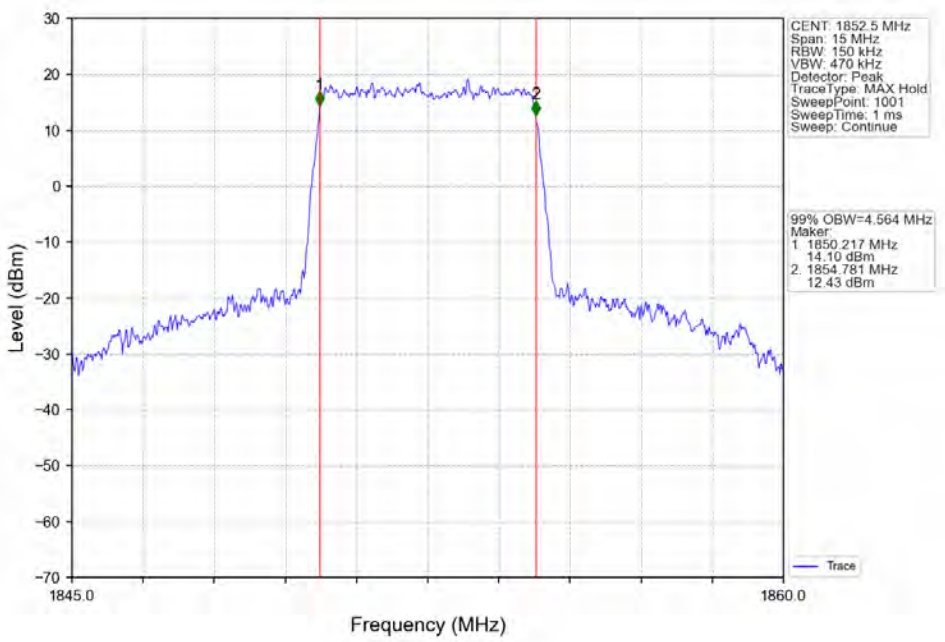
Band25_5MHz_QPSK_LCH_1852.5MHz_RB_25_0_NTNV



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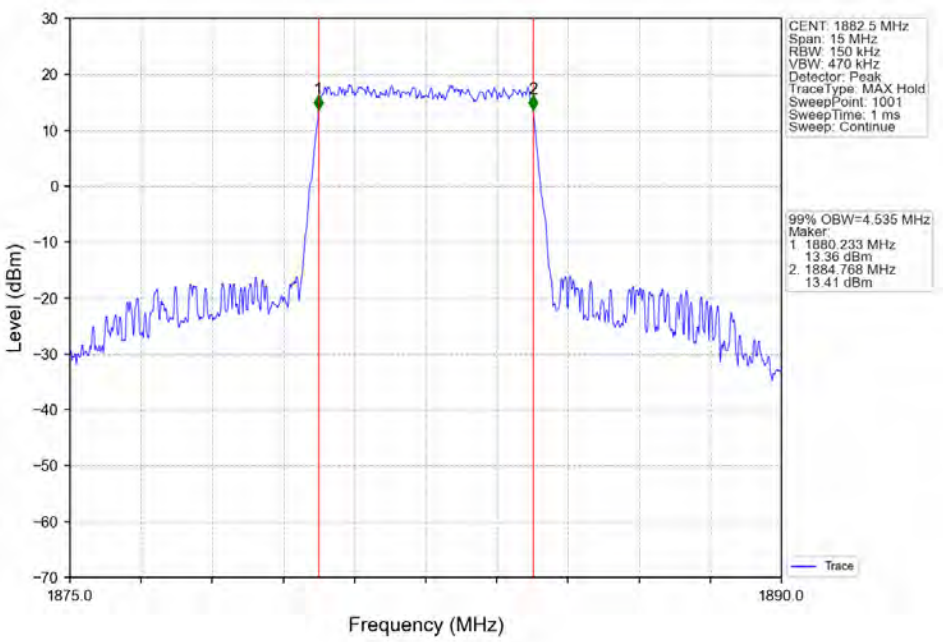

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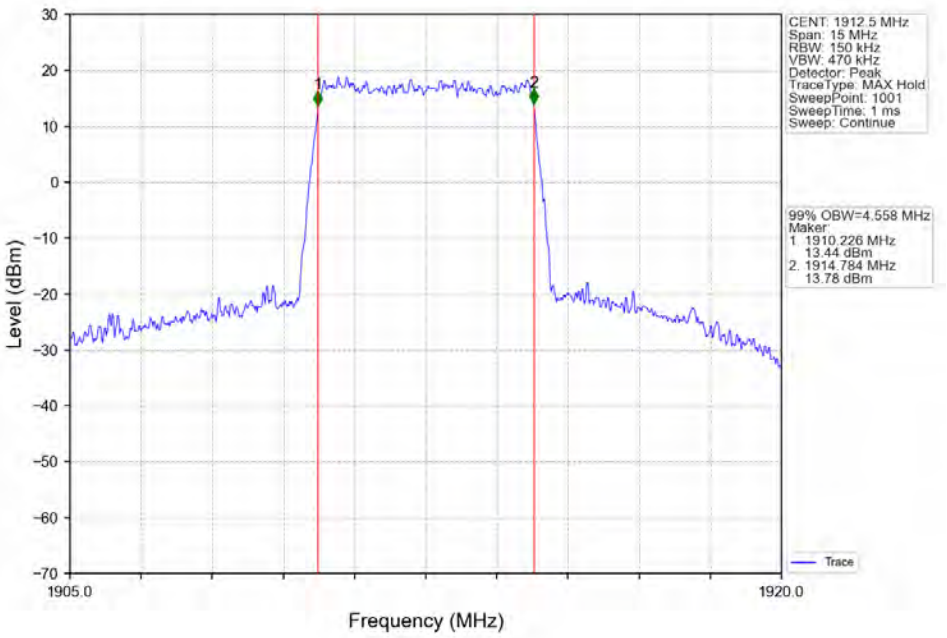

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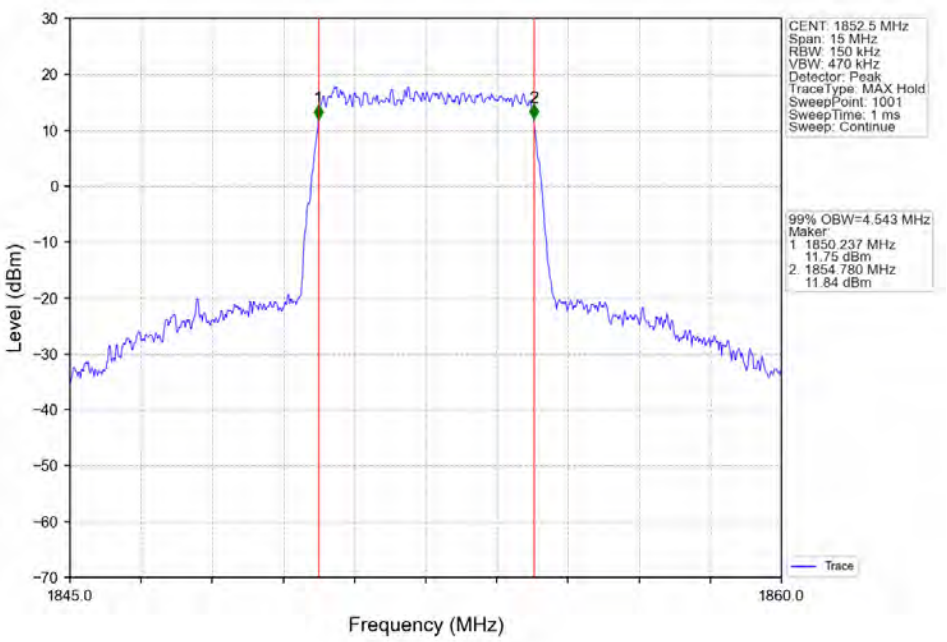

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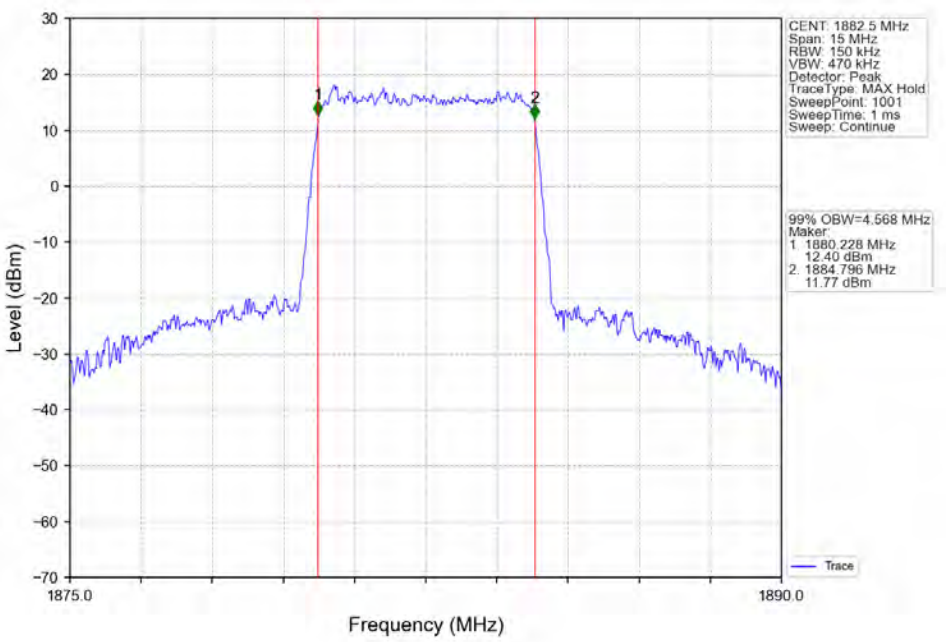

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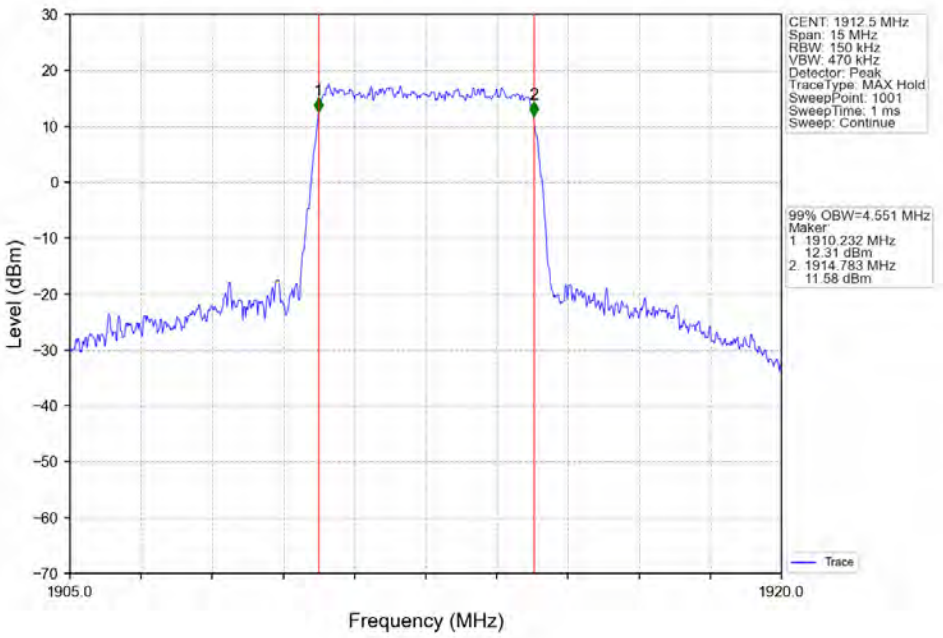

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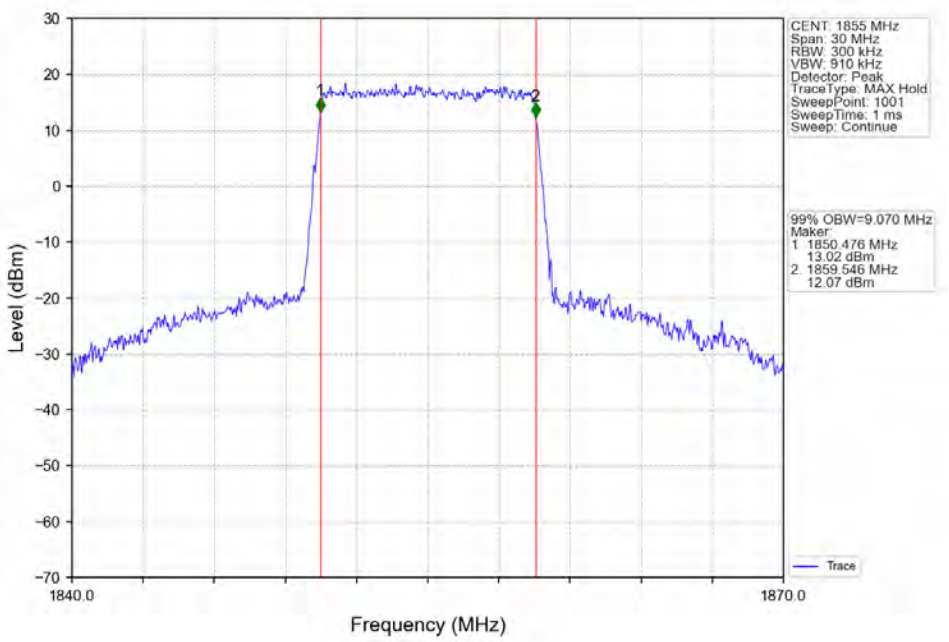

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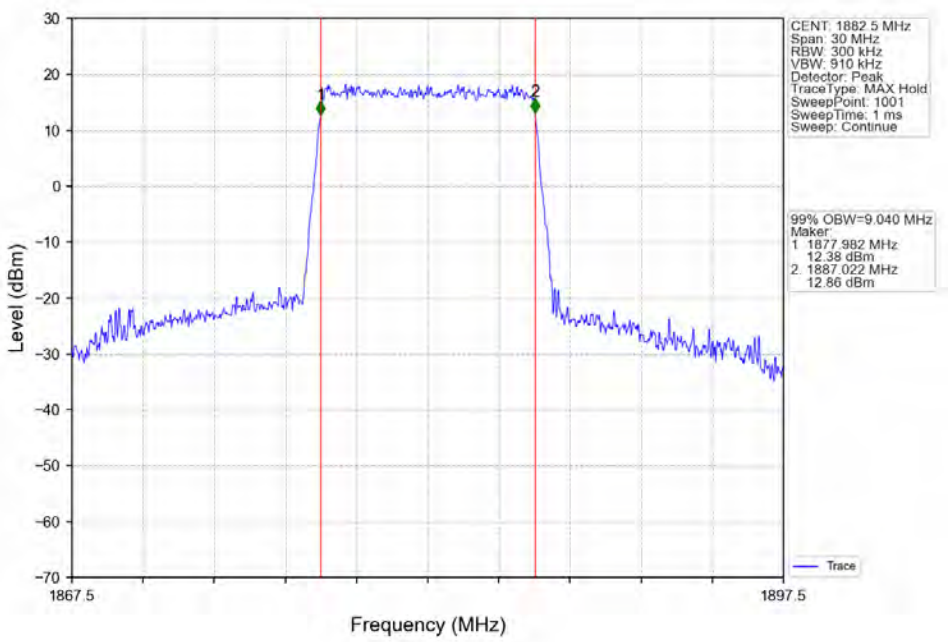

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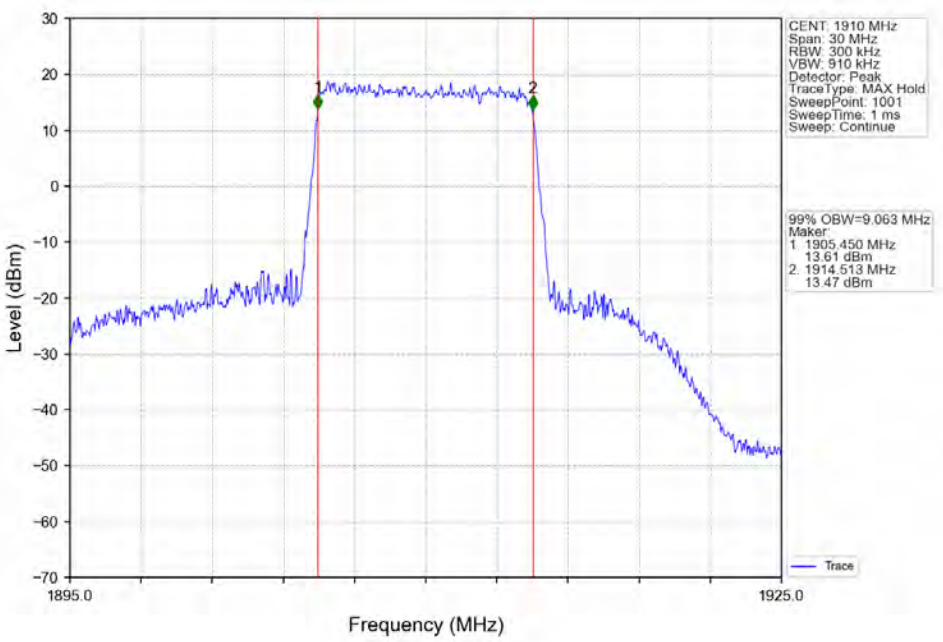

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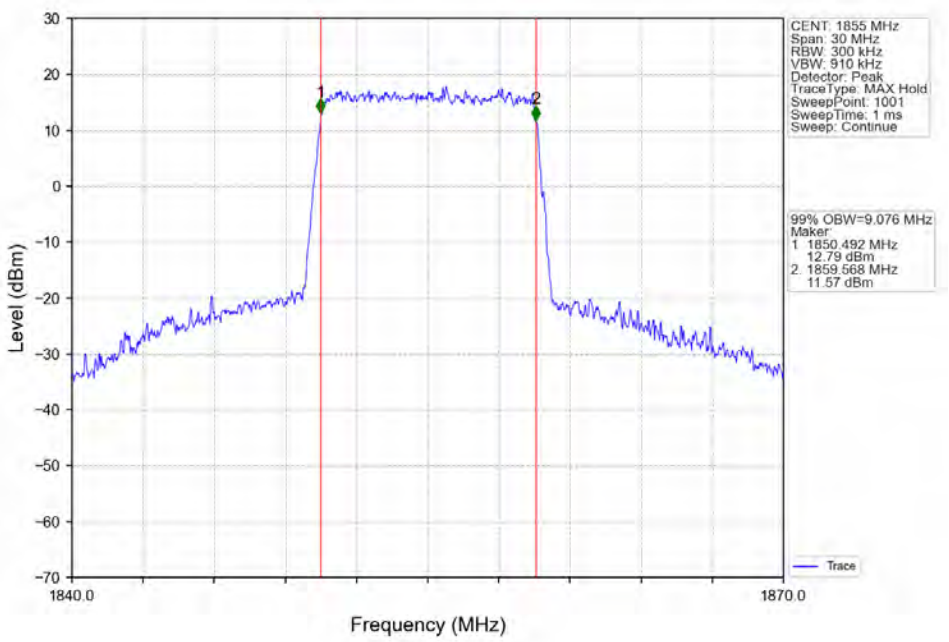

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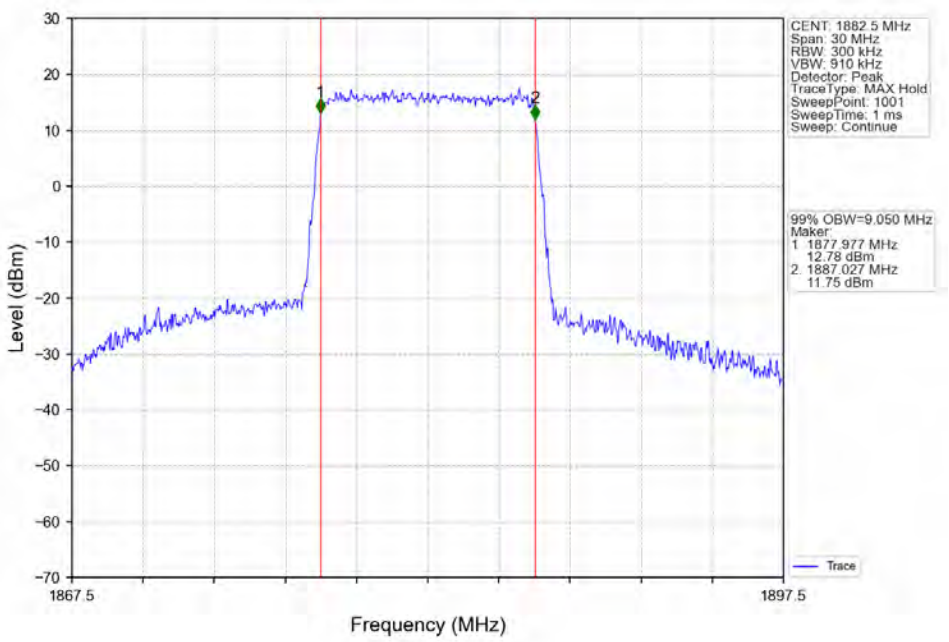

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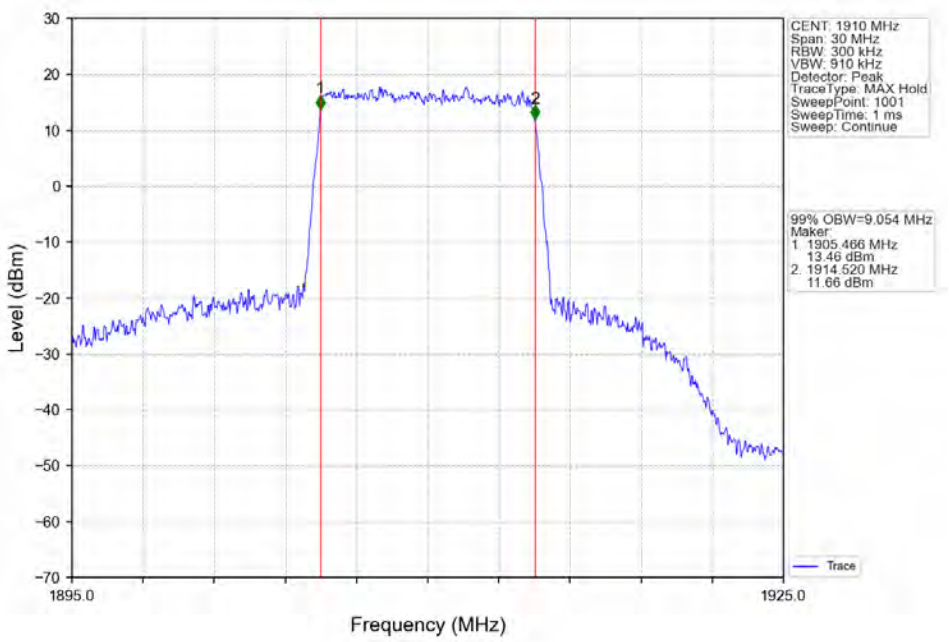

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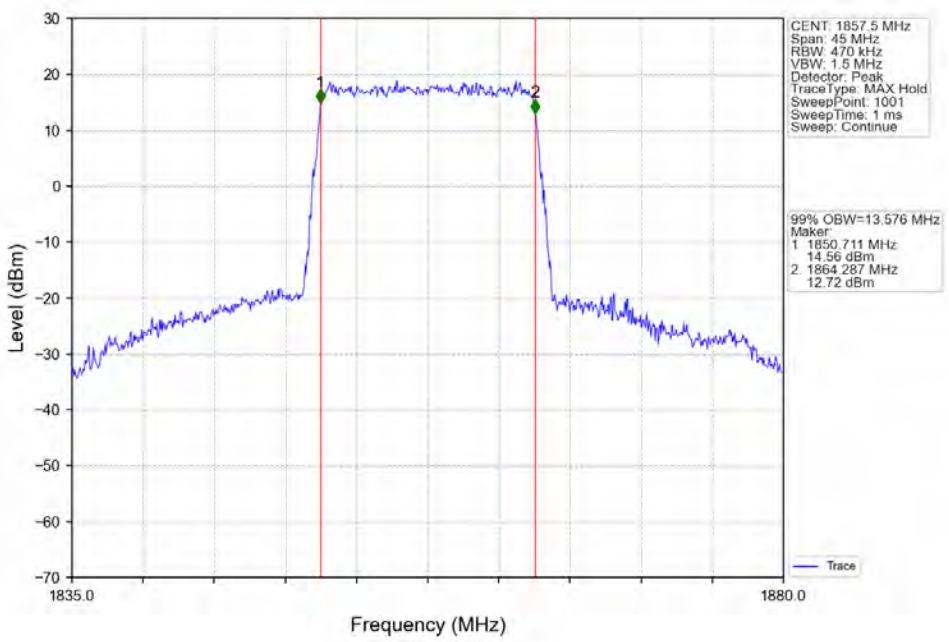
Band25_15MHz_QPSK_LCH_1857.5MHz_RB_75_0_NTNV



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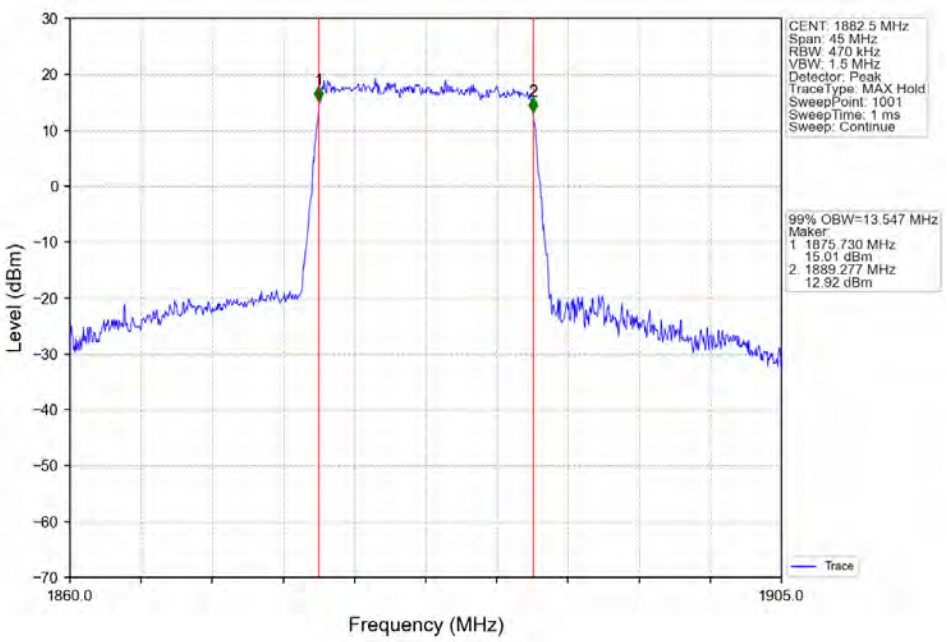
Band25_15MHz_QPSK_MCH_1882.5MHz_RB_75_0_NTNV



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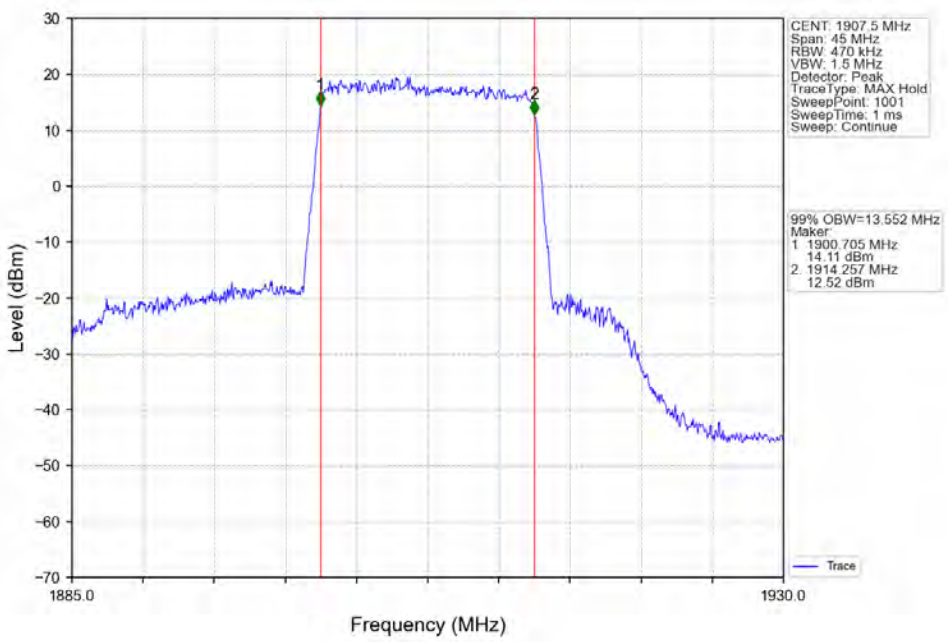

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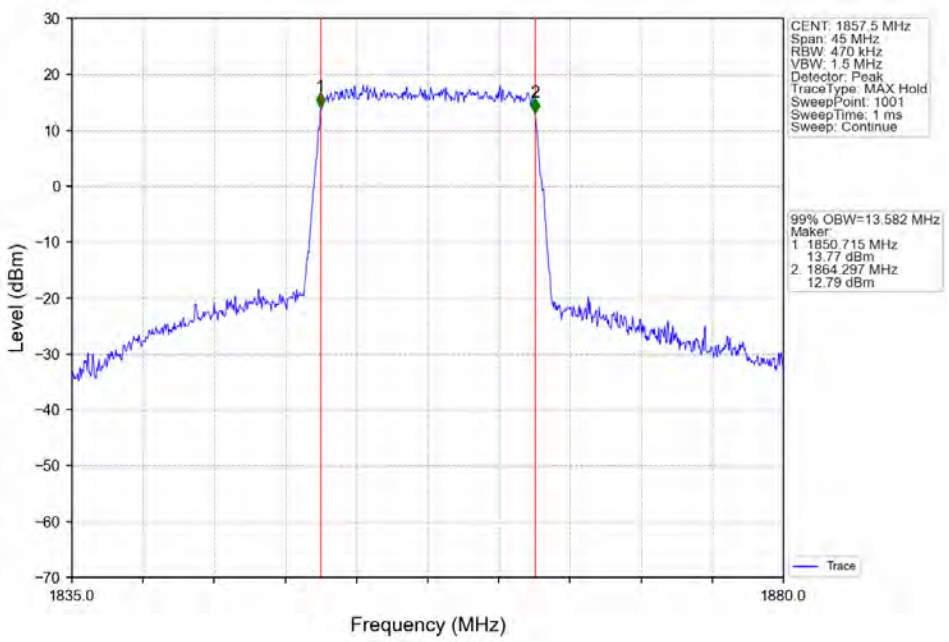

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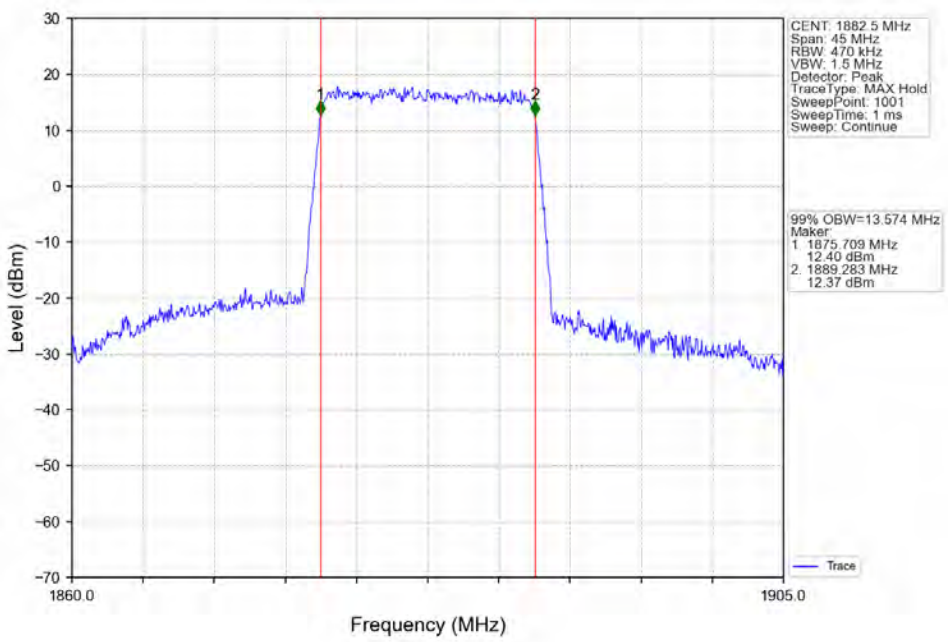

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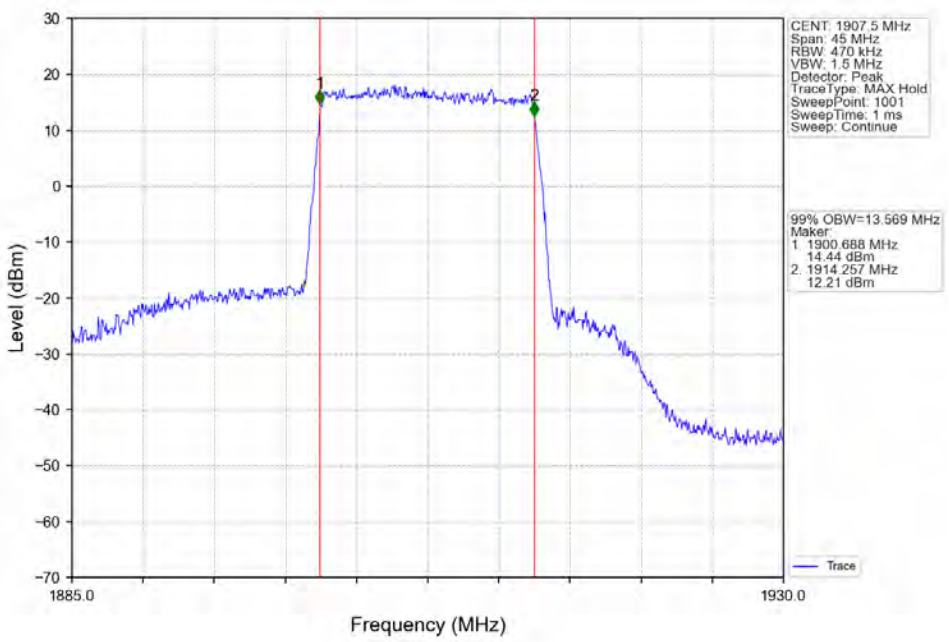

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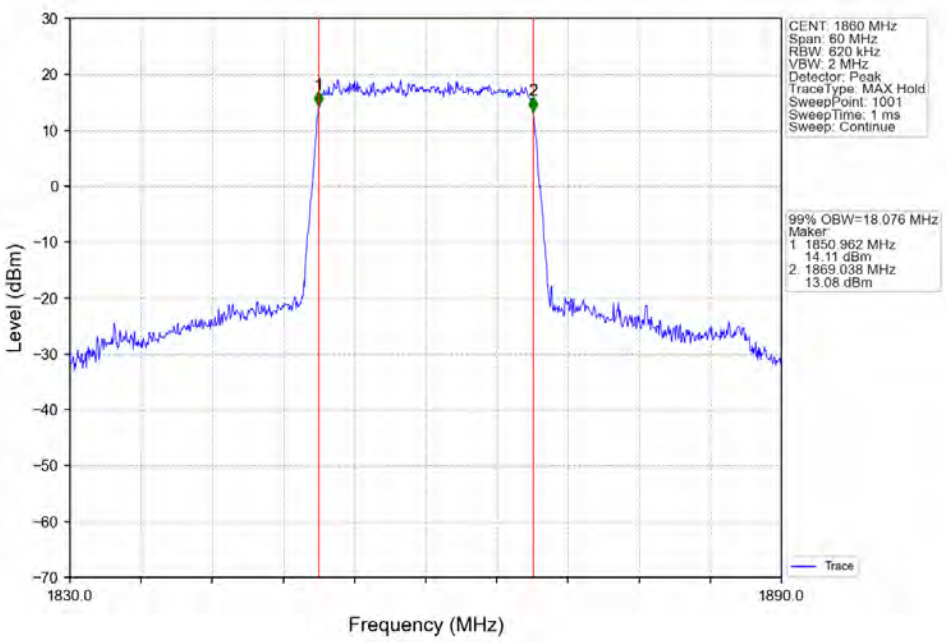

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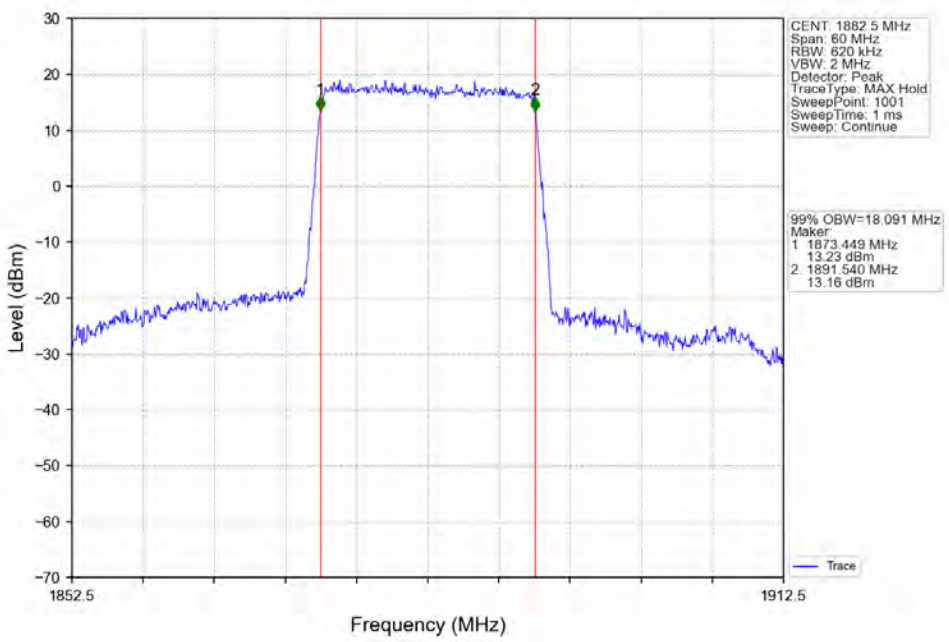

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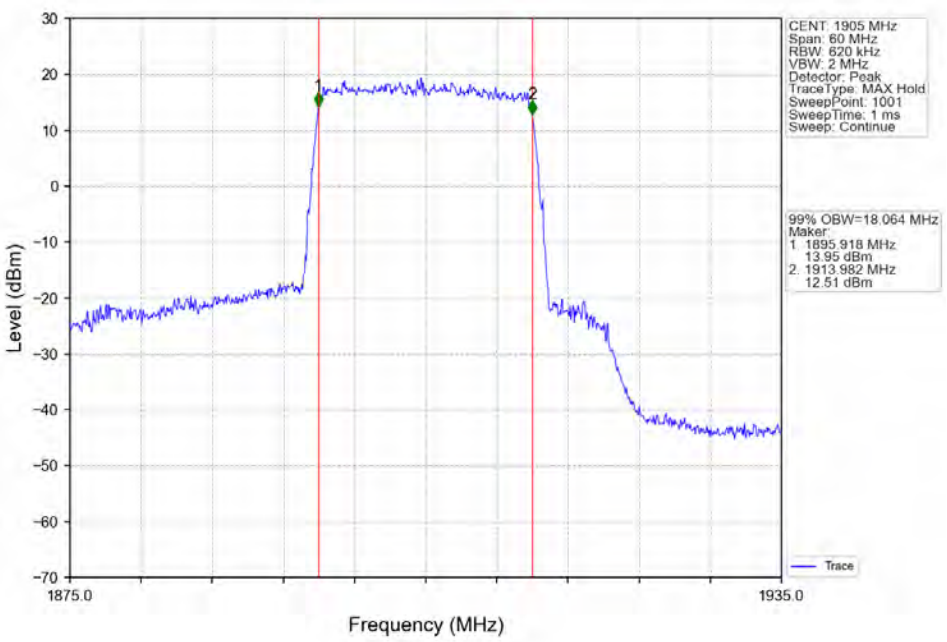

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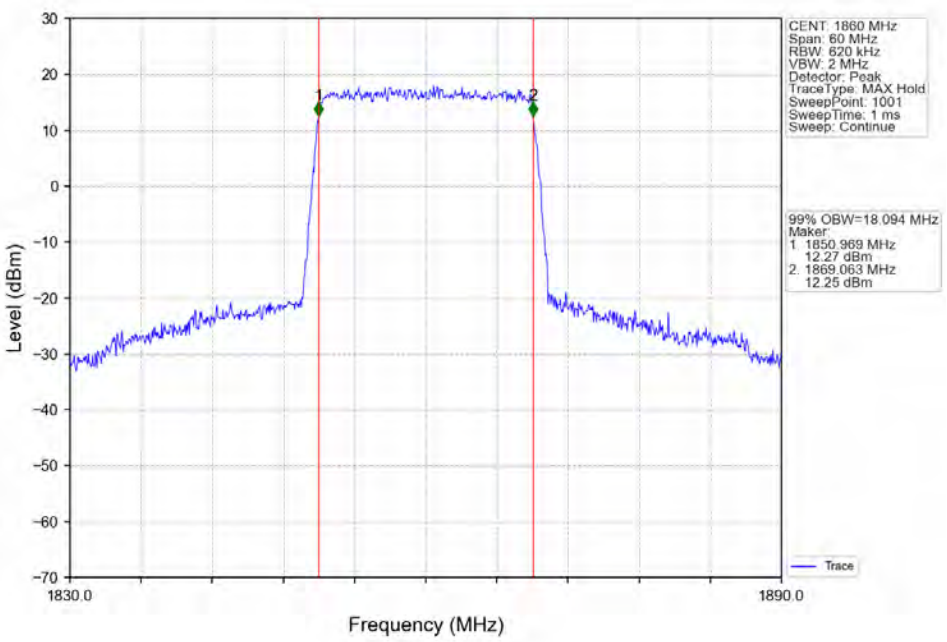

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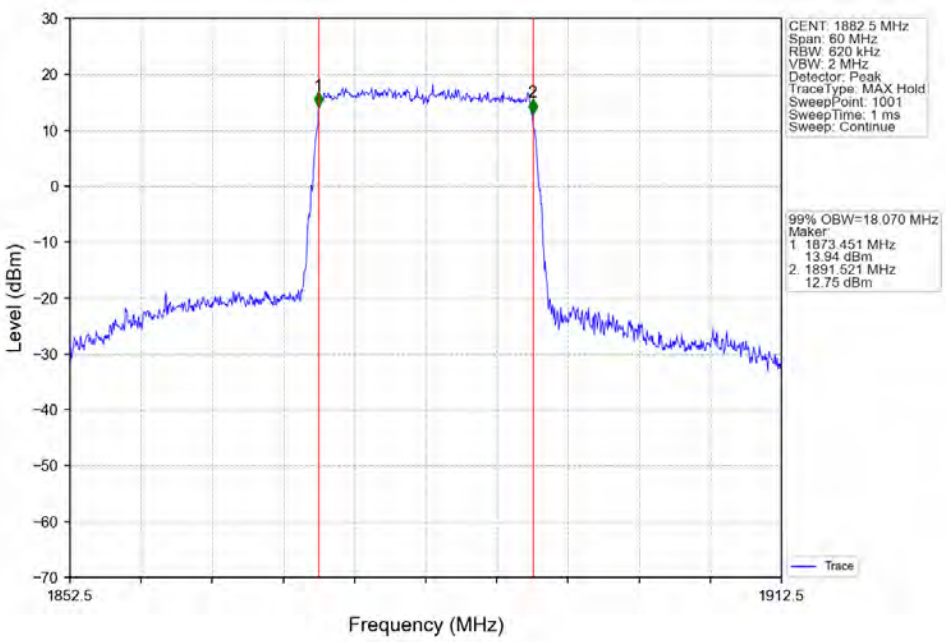

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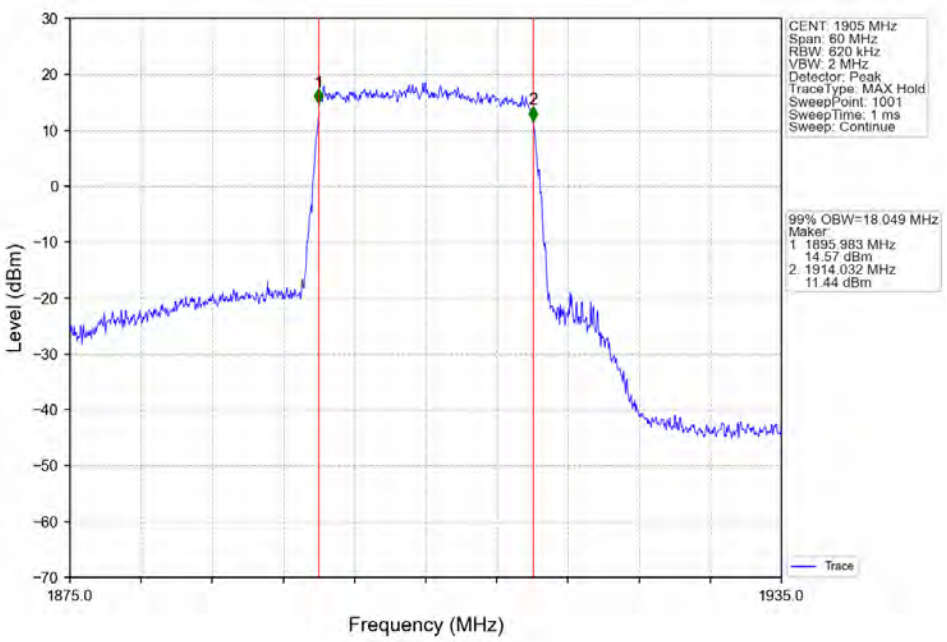

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3.2 Band25_XDB

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	1.262	/	Pass
		1882.5	6	0	1.262	/	Pass
		1914.3	6	0	1.261	/	Pass
	16QAM	1850.7	6	0	1.251	/	Pass
		1882.5	6	0	1.274	/	Pass
		1914.3	6	0	1.260	/	Pass
3	QPSK	1851.5	15	0	3.041	/	Pass
		1882.5	15	0	3.081	/	Pass
		1913.5	15	0	3.067	/	Pass
	16QAM	1851.5	15	0	3.089	/	Pass
		1882.5	15	0	3.073	/	Pass
		1913.5	15	0	3.074	/	Pass
5	QPSK	1852.5	25	0	5.044	/	Pass
		1882.5	25	0	5.061	/	Pass
		1912.5	25	0	5.056	/	Pass
	16QAM	1852.5	25	0	5.067	/	Pass
		1882.5	25	0	5.016	/	Pass
		1912.5	25	0	5.063	/	Pass
10	QPSK	1855	50	0	10.021	/	Pass
		1882.5	50	0	10.052	/	Pass
		1910	50	0	10.007	/	Pass
	16QAM	1855	50	0	9.977	/	Pass
		1882.5	50	0	9.937	/	Pass
		1910	50	0	9.967	/	Pass
15	QPSK	1857.5	75	0	15.019	/	Pass
		1882.5	75	0	14.816	/	Pass
		1907.5	75	0	14.875	/	Pass
	16QAM	1857.5	75	0	14.930	/	Pass
		1882.5	75	0	14.967	/	Pass
		1907.5	75	0	14.960	/	Pass
20	QPSK	1860	100	0	19.759	/	Pass
		1882.5	100	0	19.776	/	Pass
		1905	100	0	19.937	/	Pass
	16QAM	1860	100	0	19.864	/	Pass
		1882.5	100	0	19.827	/	Pass
		1905	100	0	19.738	/	Pass

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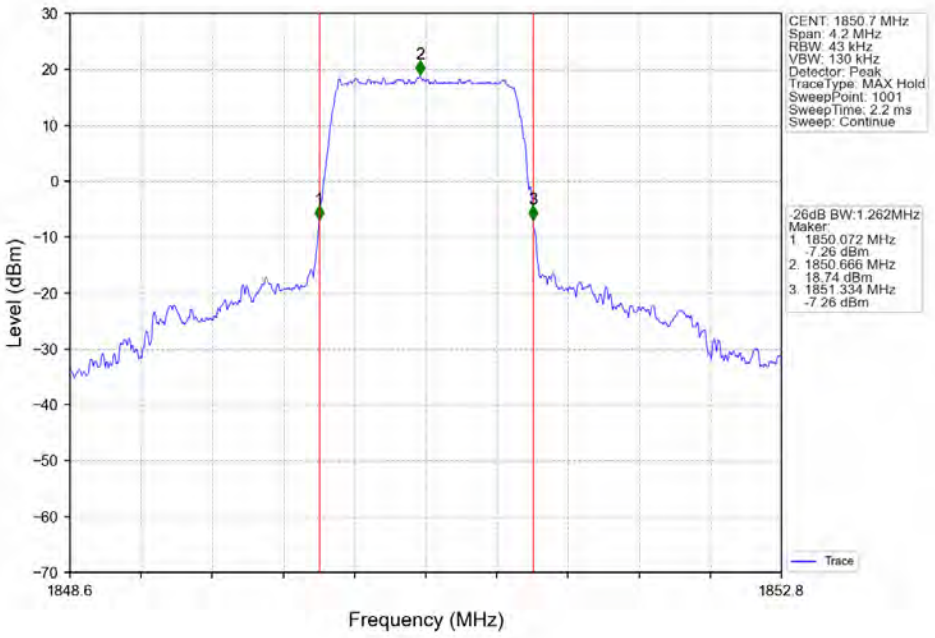
3.2.2 Test Graph

Band25_1.4MHz_QPSK_LCH_1850.7MHz_RB_6_0_NTNV



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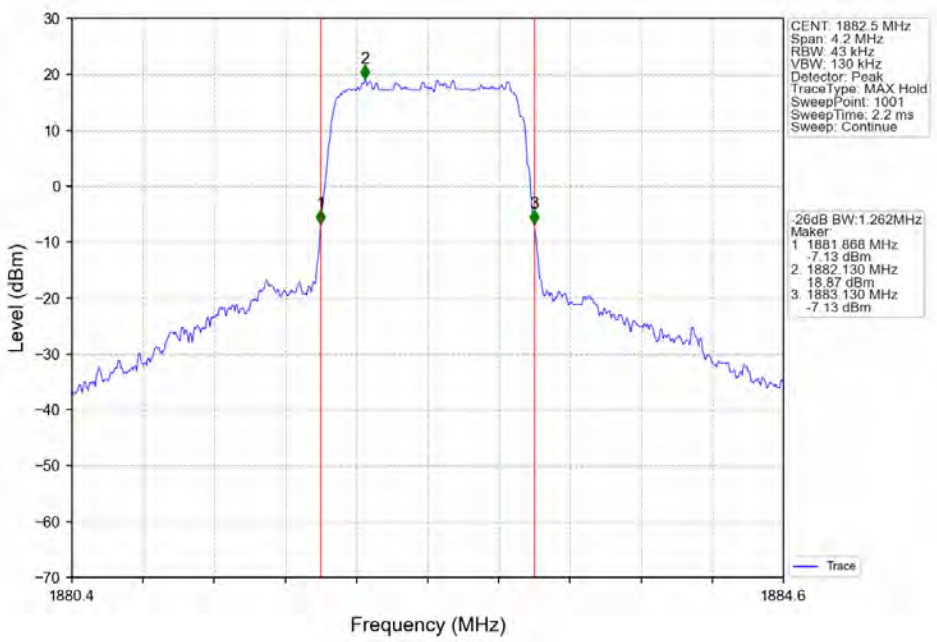
Band25_1.4MHz_QPSK_MCH_1882.5MHz_RB_6_0_NTNV



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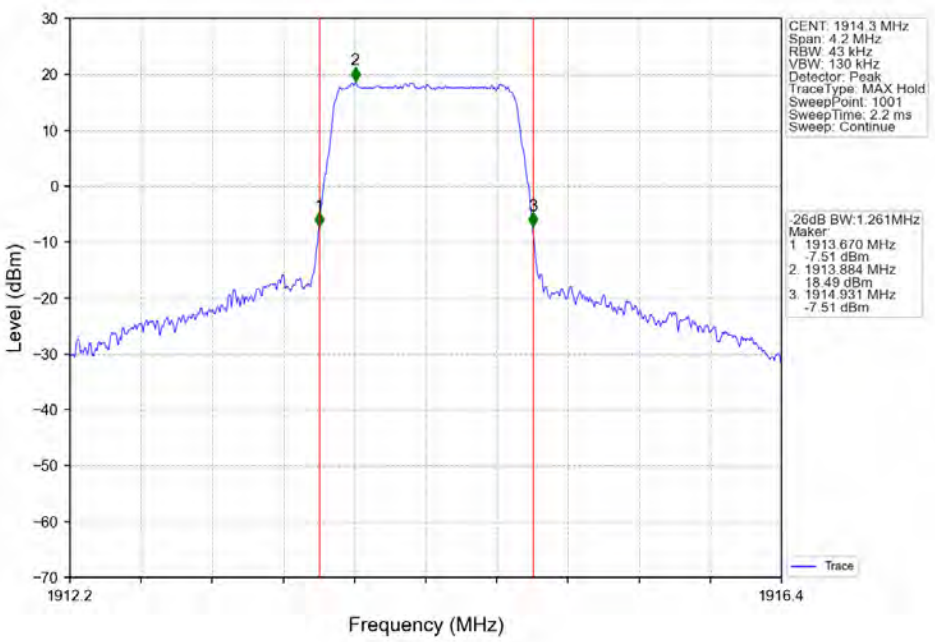
Band25_1.4MHz_QPSK_HCH_1914.3MHz_RB_6_0_NTNV



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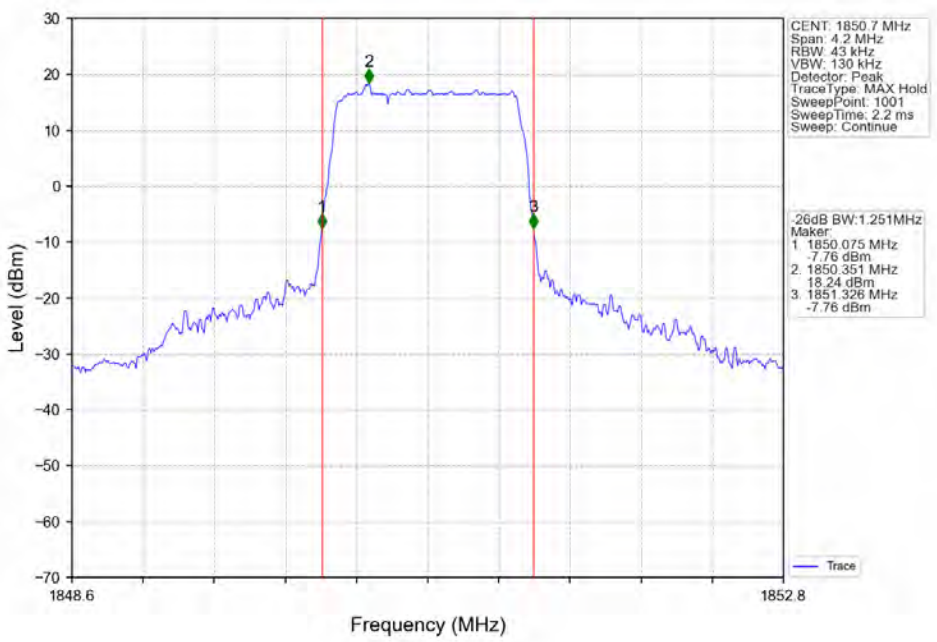

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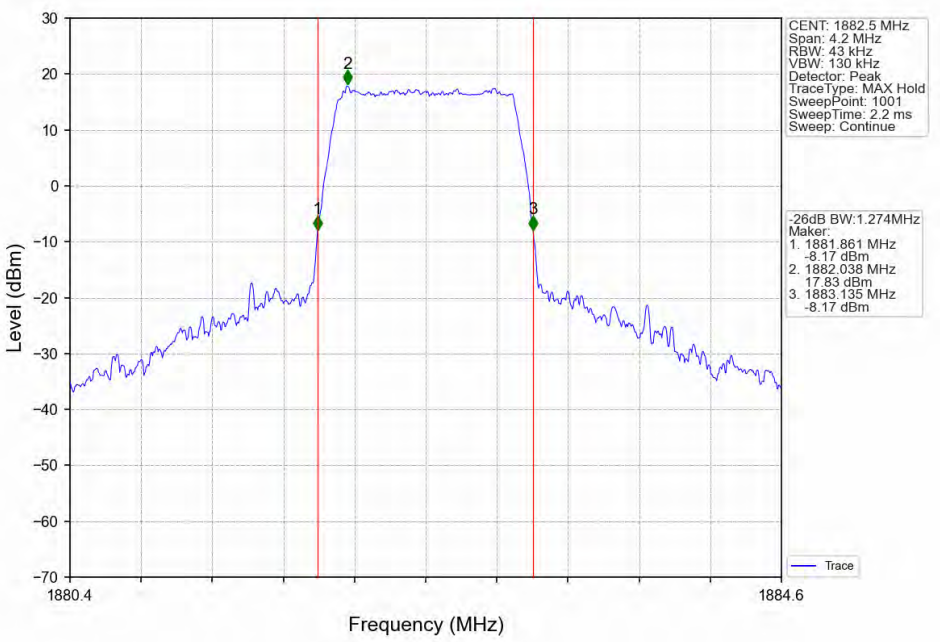

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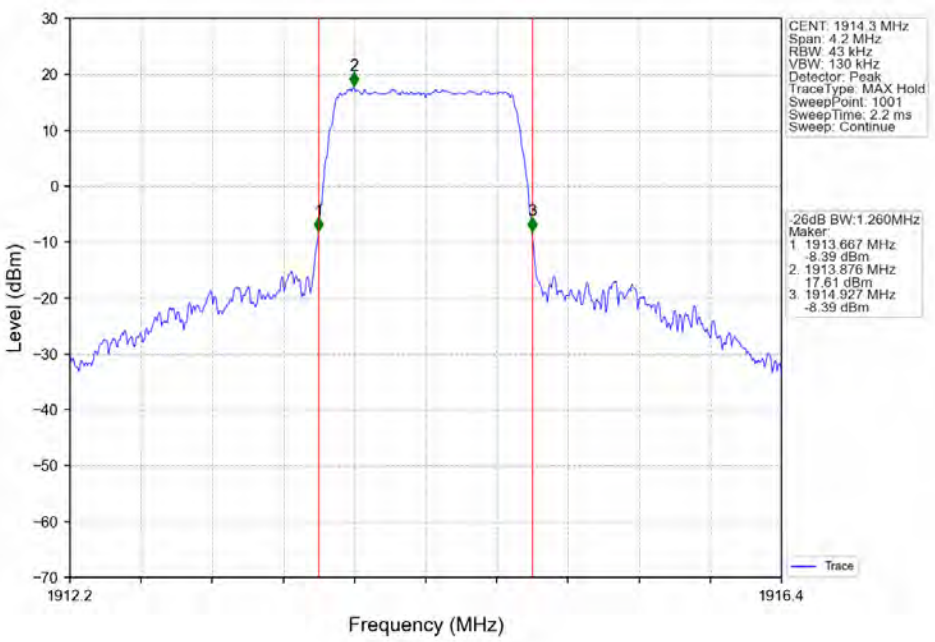

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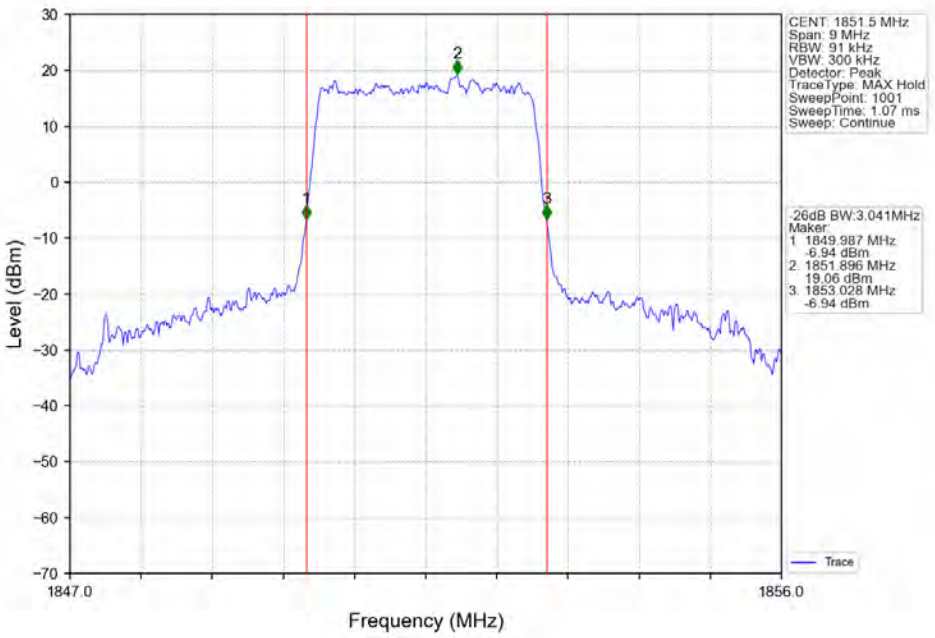

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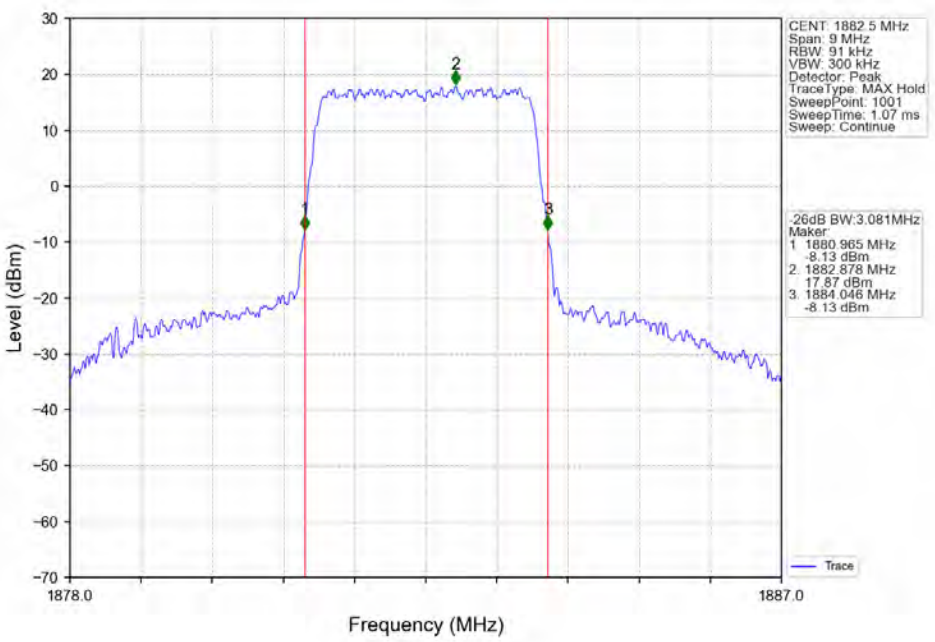

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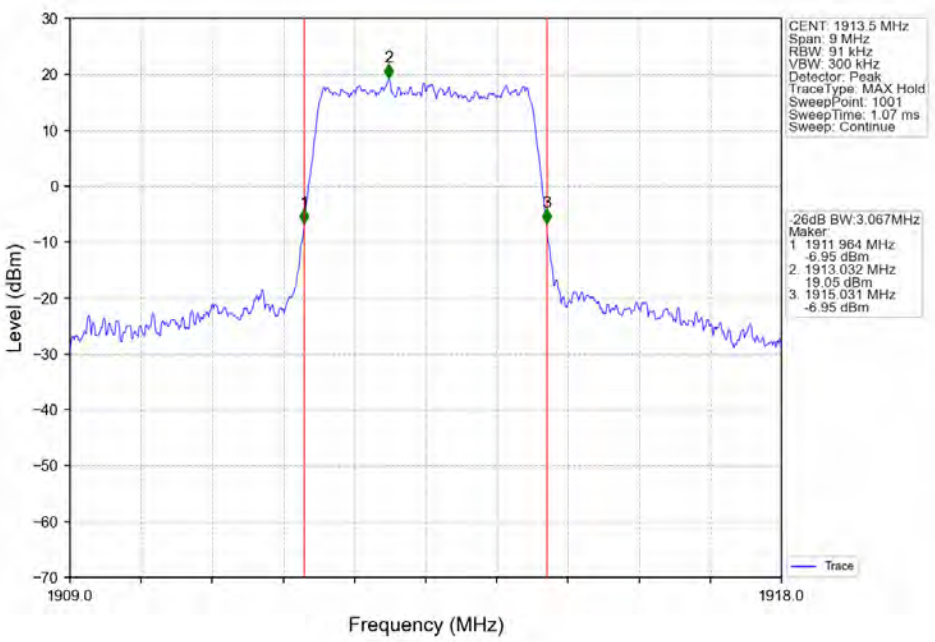

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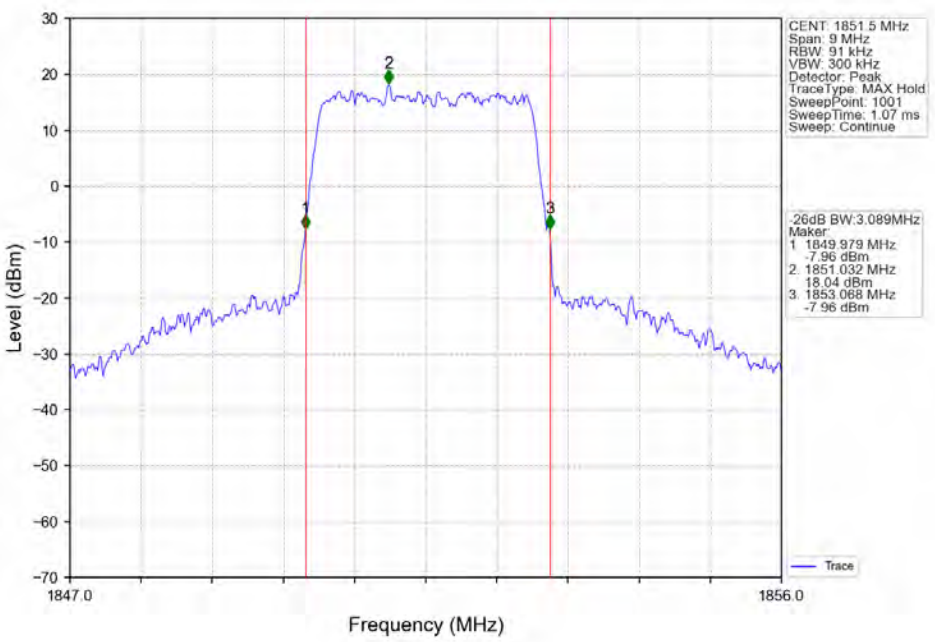
Band25_3MHz_16QAM_LCH_1851.5MHz_RB_15_0_NTNV



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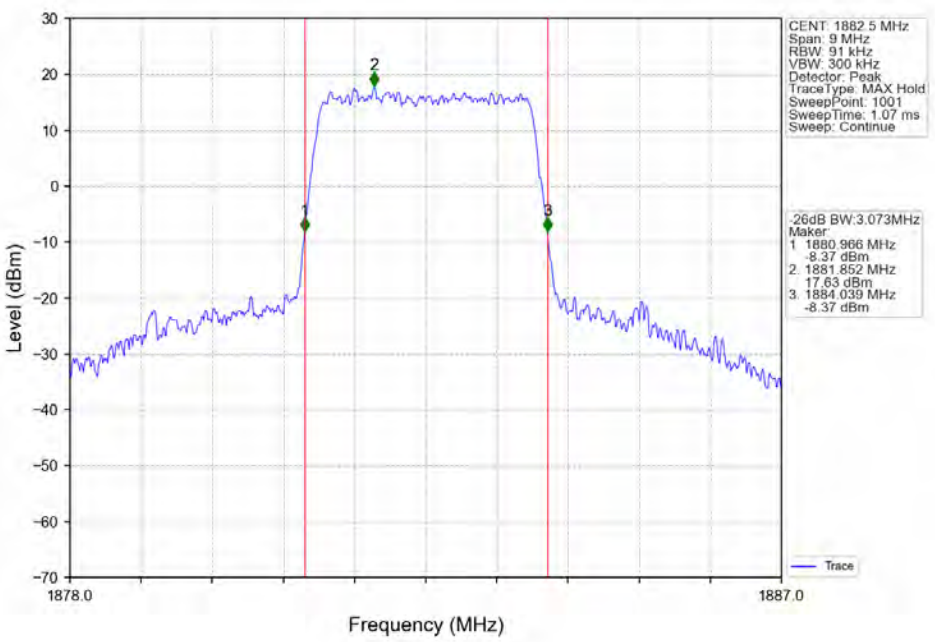

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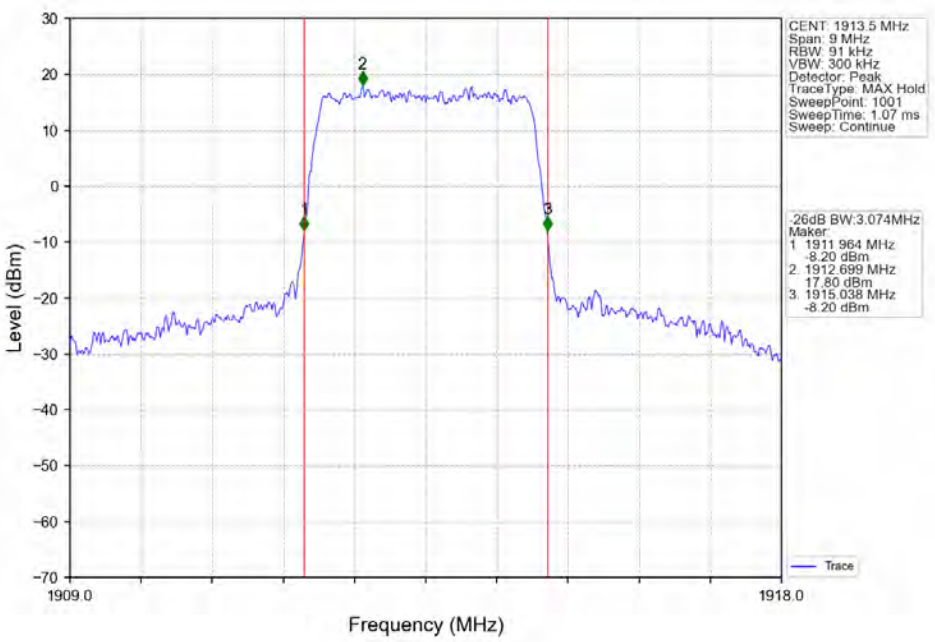

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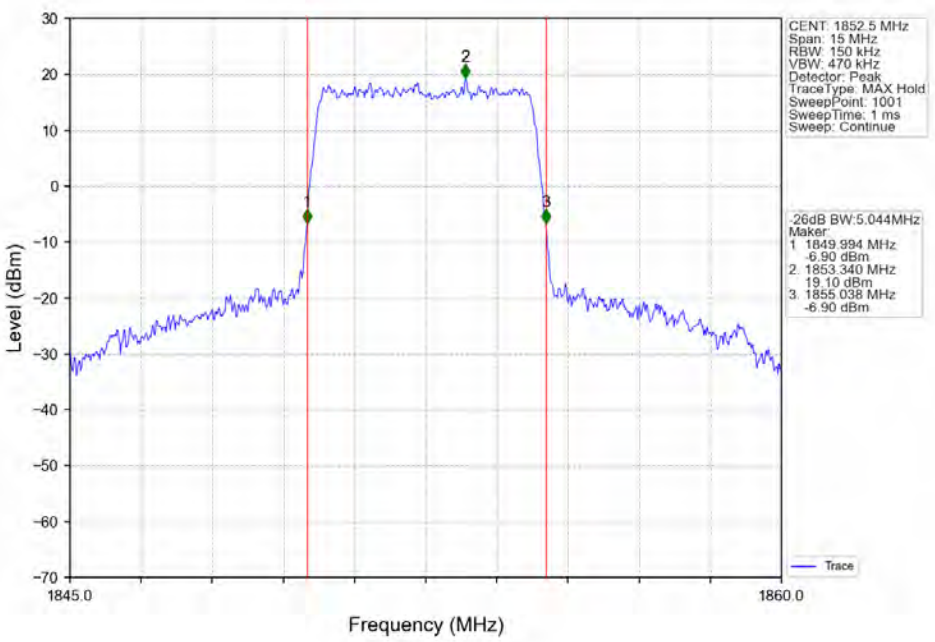

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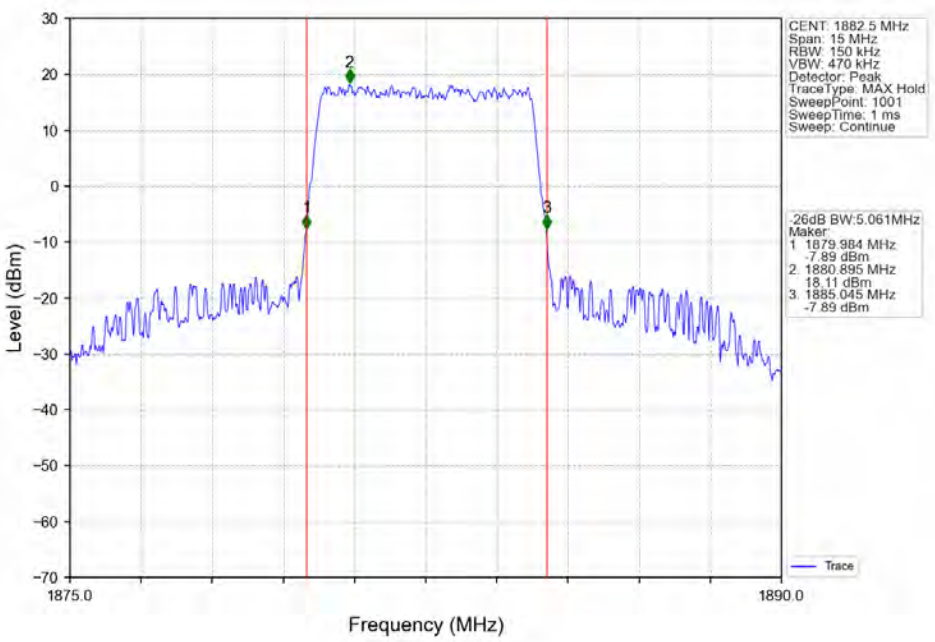
Band25_5MHz_QPSK_MCH_1882.5MHz_RB_25_0_NTNV



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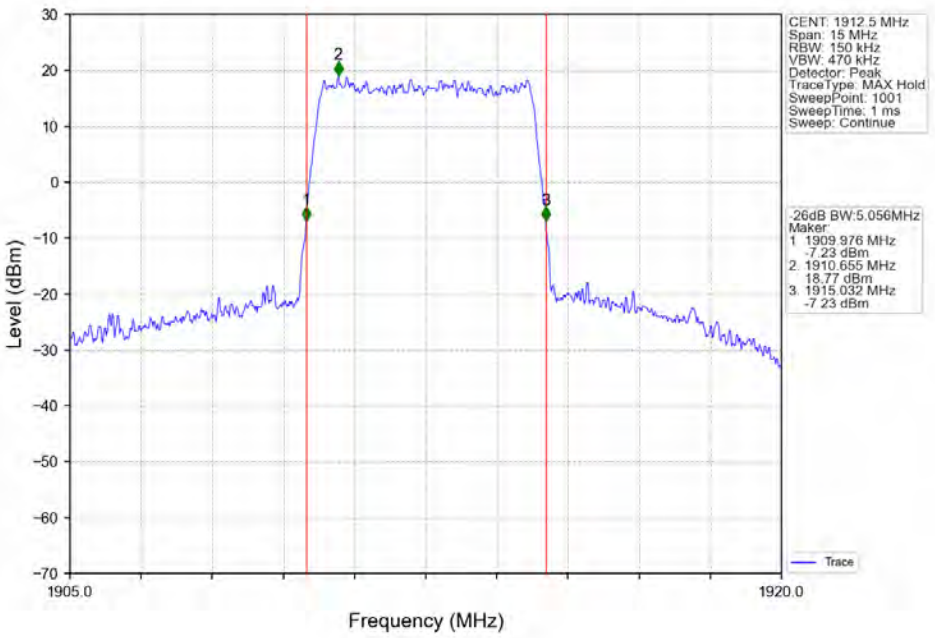

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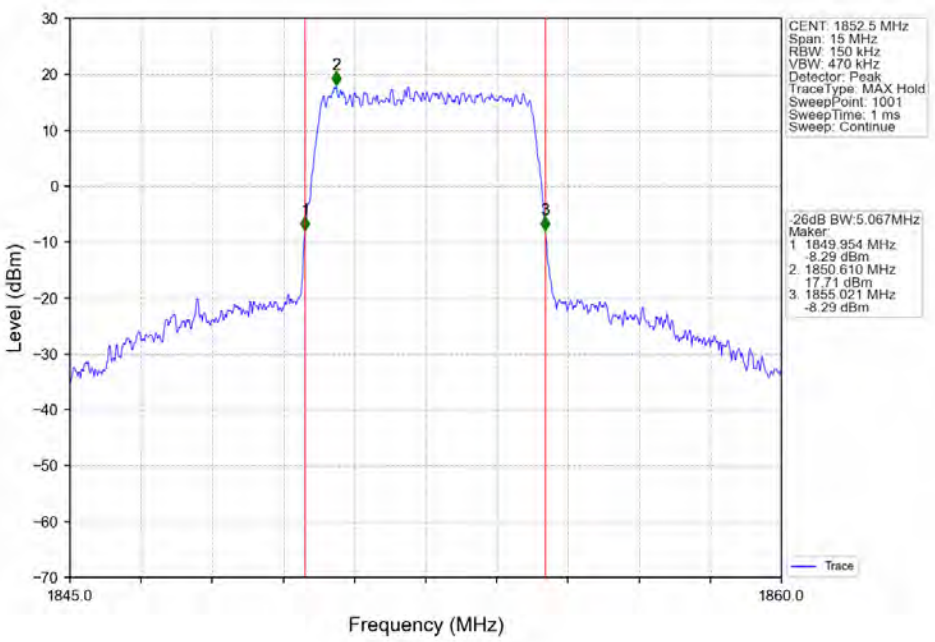
Band25_5MHz_16QAM_LCH_1852.5MHz_RB_25_0_NTNV



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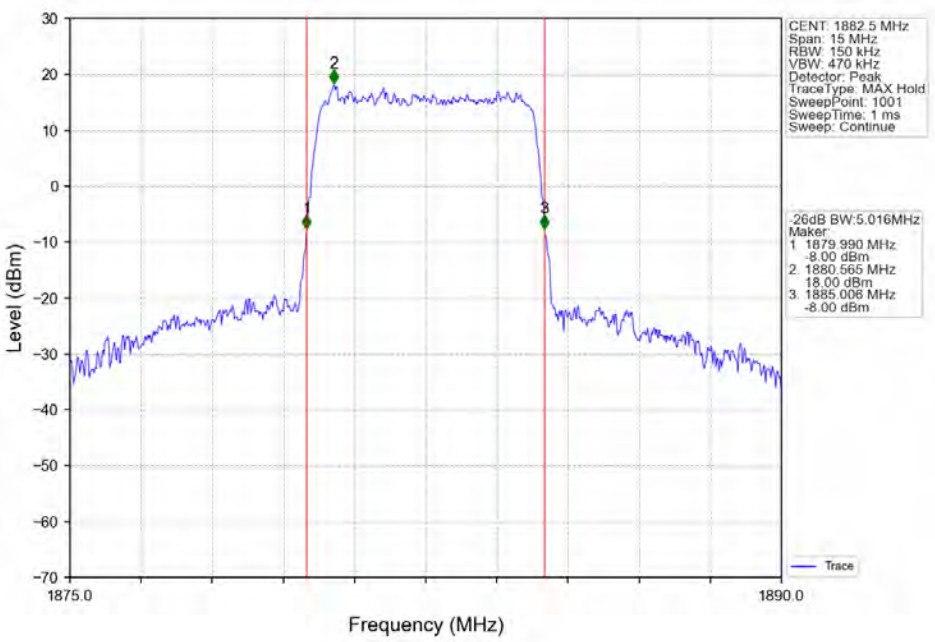
Band25_5MHz_16QAM_MCH_1882.5MHz_RB_25_0_NTNV



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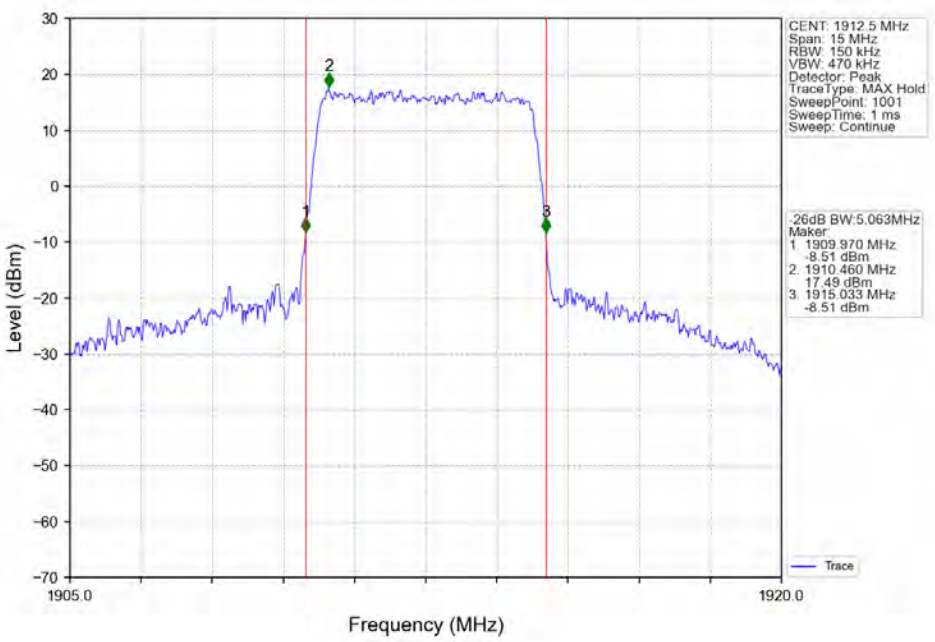
Band25_5MHz_16QAM_HCH_1912.5MHz_RB_25_0_NTNV



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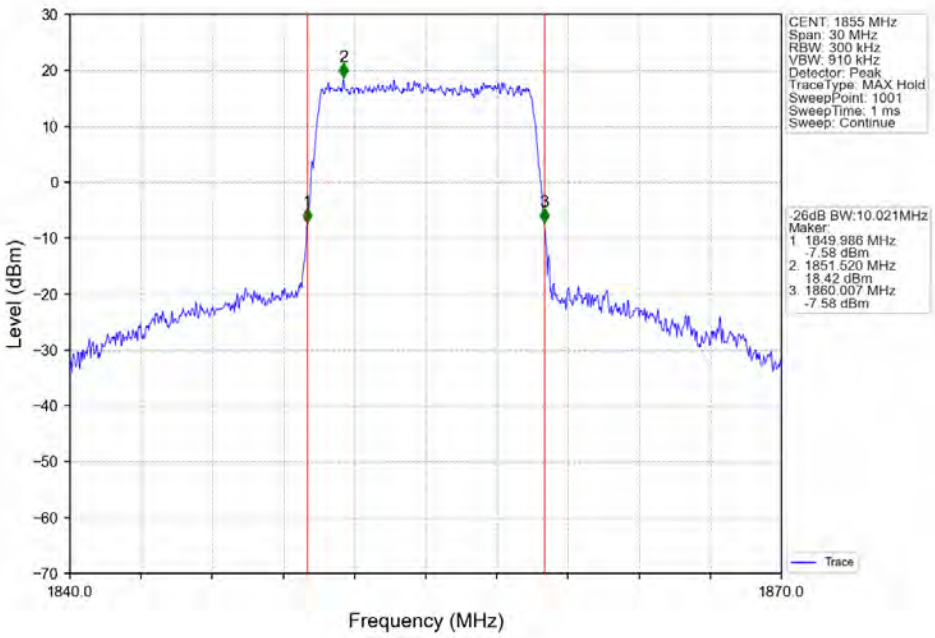
Band25_10MHz_QPSK_LCH_1855MHz_RB_50_0_NTNV



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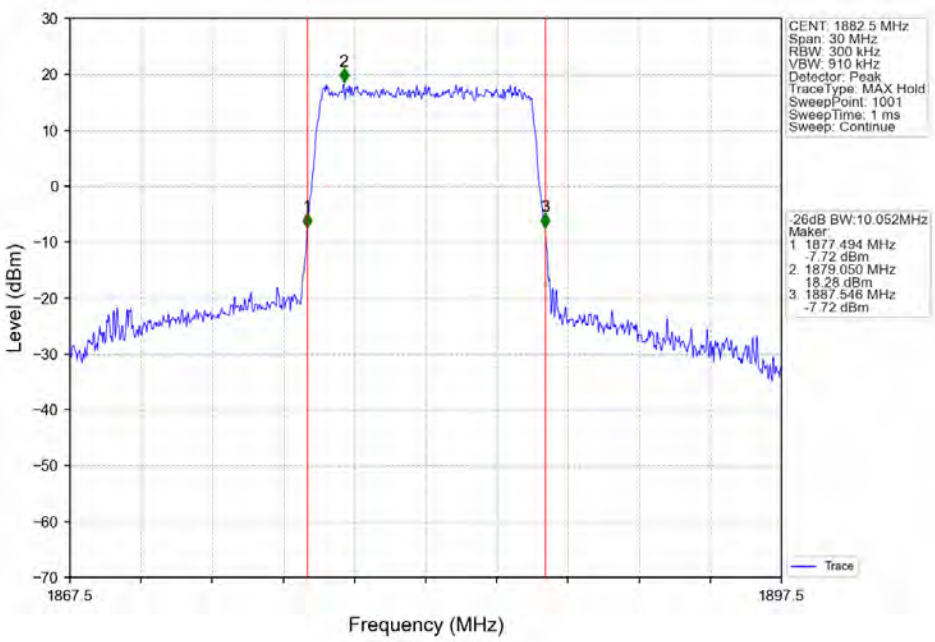
Band25_10MHz_QPSK_MCH_1882.5MHz_RB_50_0_NTNV



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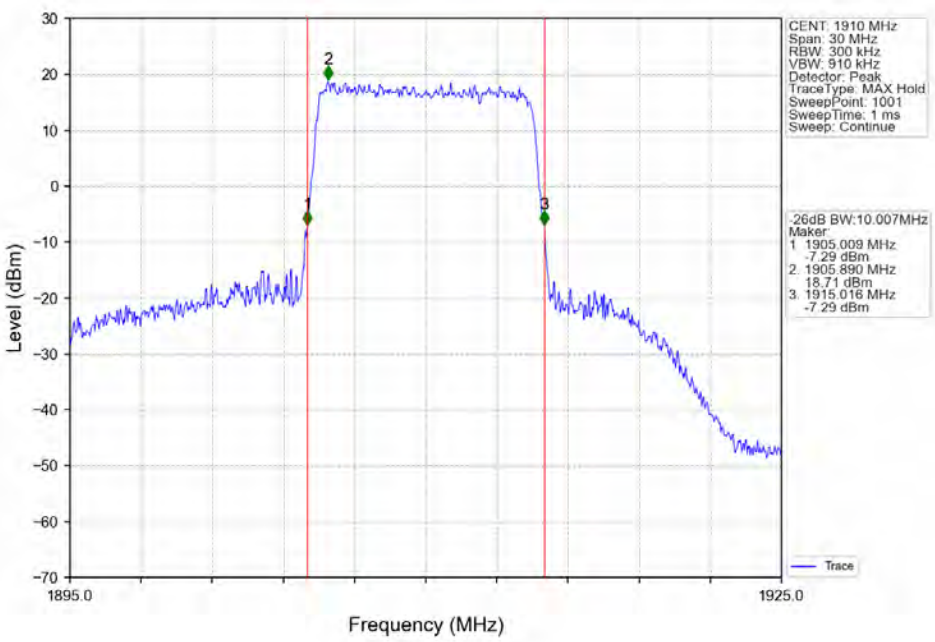
Band25_10MHz_QPSK_HCH_1910MHz_RB_50_0_NTNV



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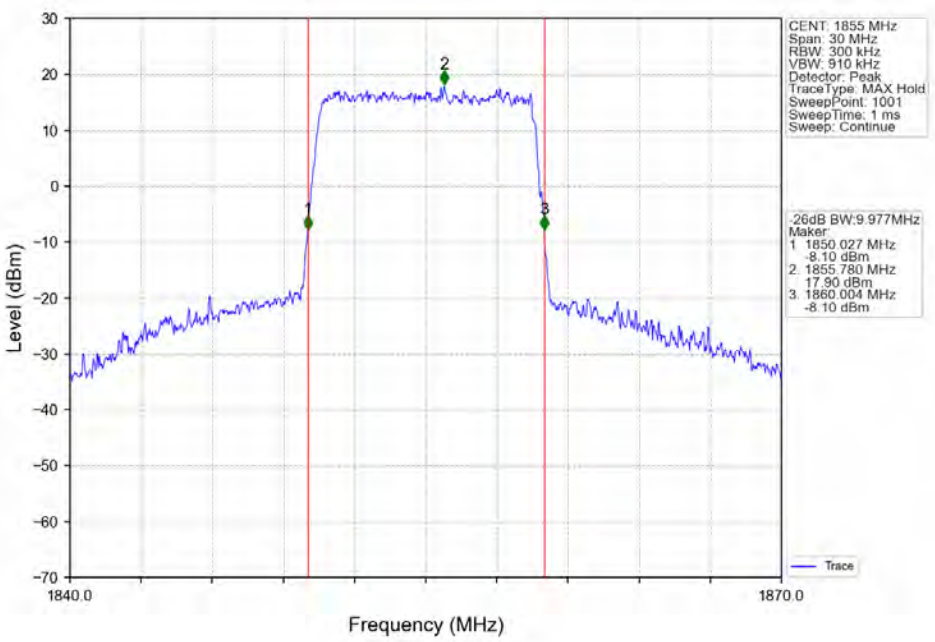

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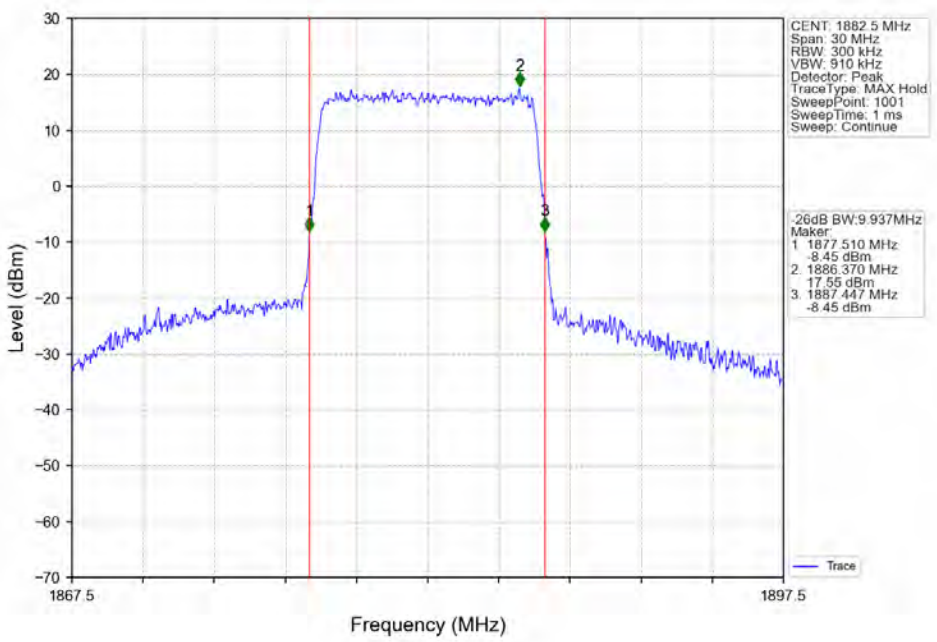

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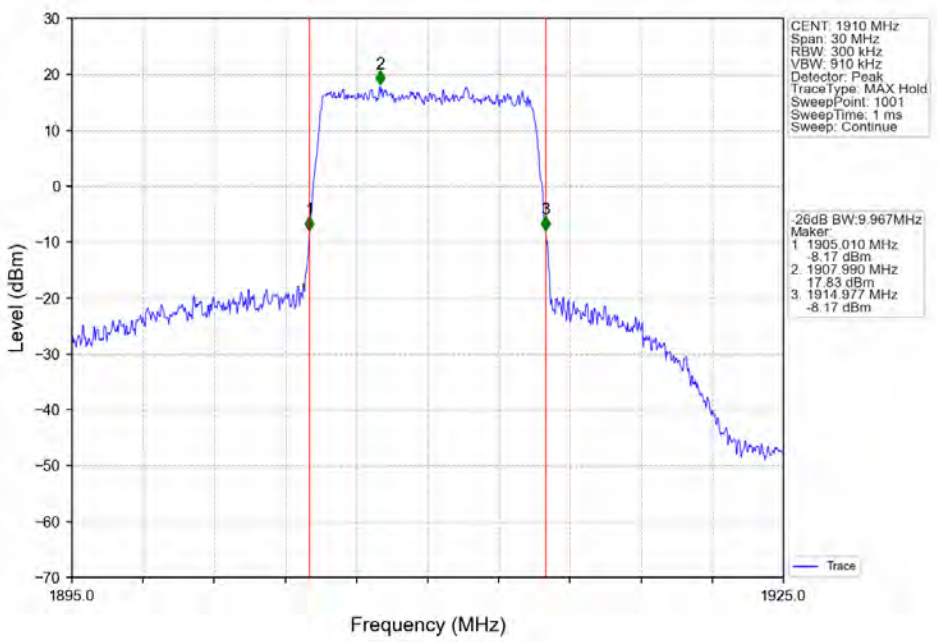
Band25_10MHz_16QAM_HCH_1910MHz_RB_50_0_NTNV



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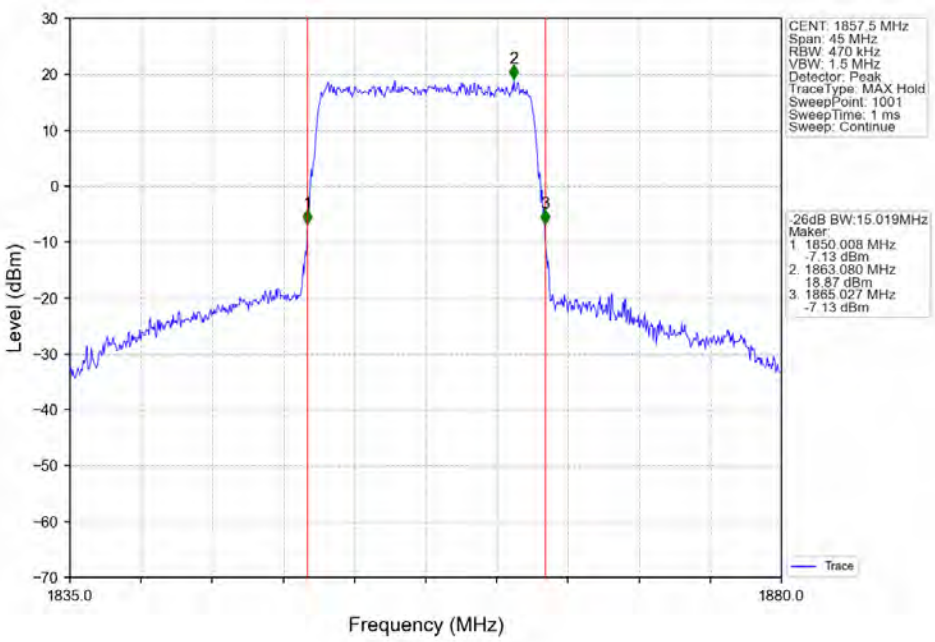
Band25_15MHz_QPSK_LCH_1857.5MHz_RB_75_0_NTNV



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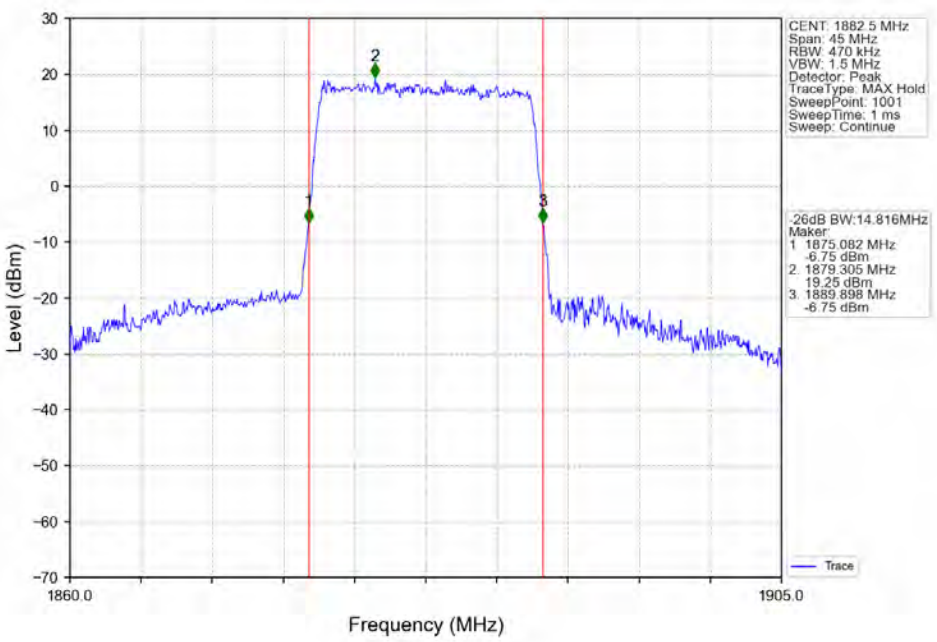
Band25_15MHz_QPSK_MCH_1882.5MHz_RB_75_0_NTNV



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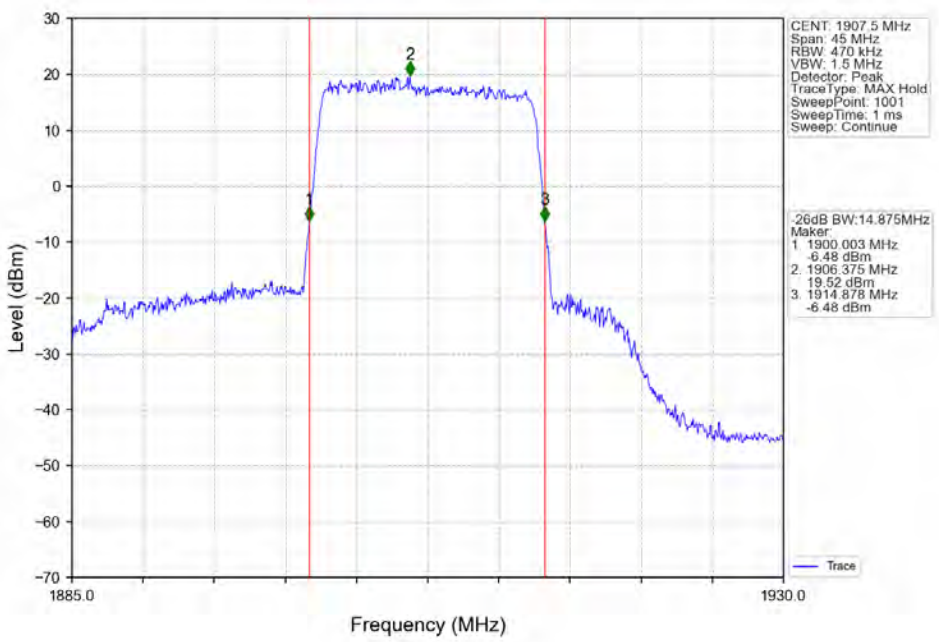
Band25_15MHz_QPSK_HCH_1907.5MHz_RB_75_0_NTNV



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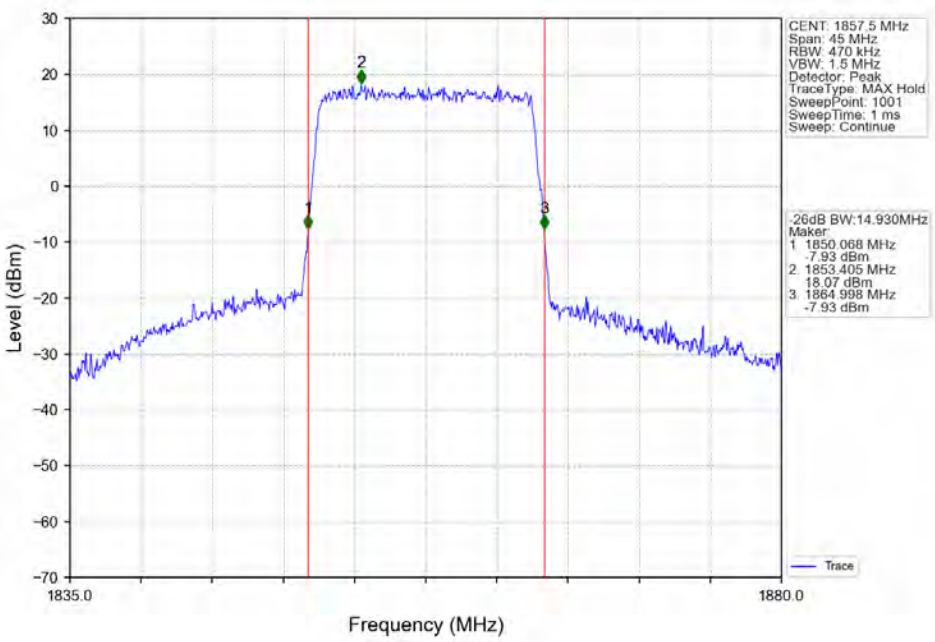
Band25_15MHz_16QAM_LCH_1857.5MHz_RB_75_0_NTNV



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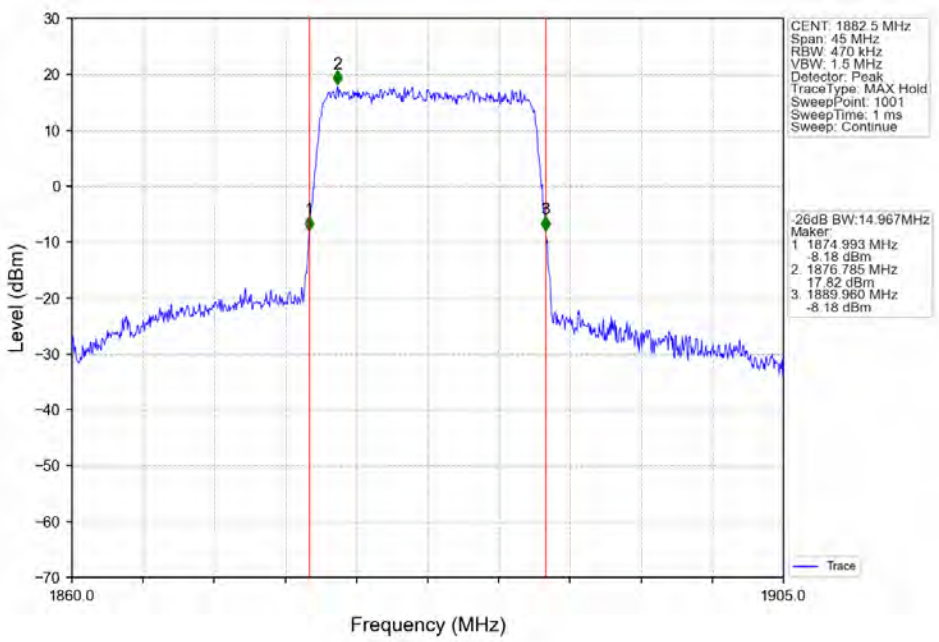
Band25_15MHz_16QAM_MCH_1882.5MHz_RB_75_0_NTNV



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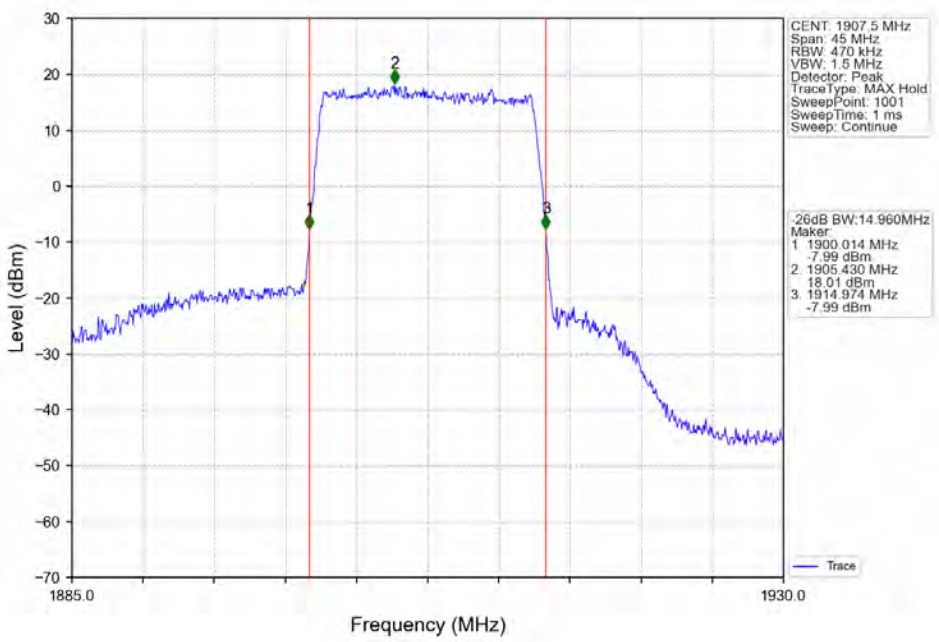
Band25_15MHz_16QAM_HCH_1907.5MHz_RB_75_0_NTNV



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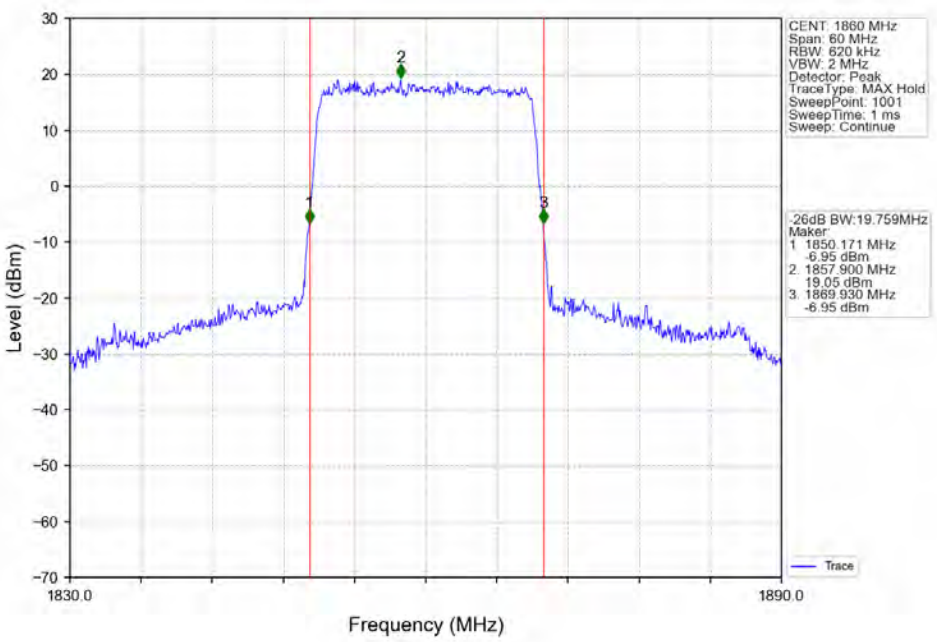

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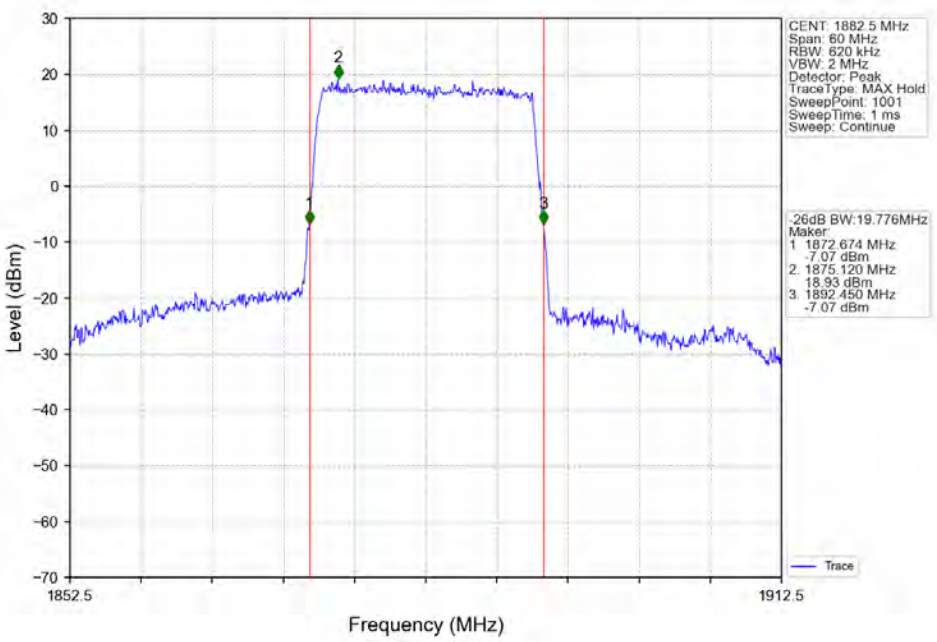
Band25_20MHz_QPSK_MCH_1882.5MHz_RB_100_0_NTNV



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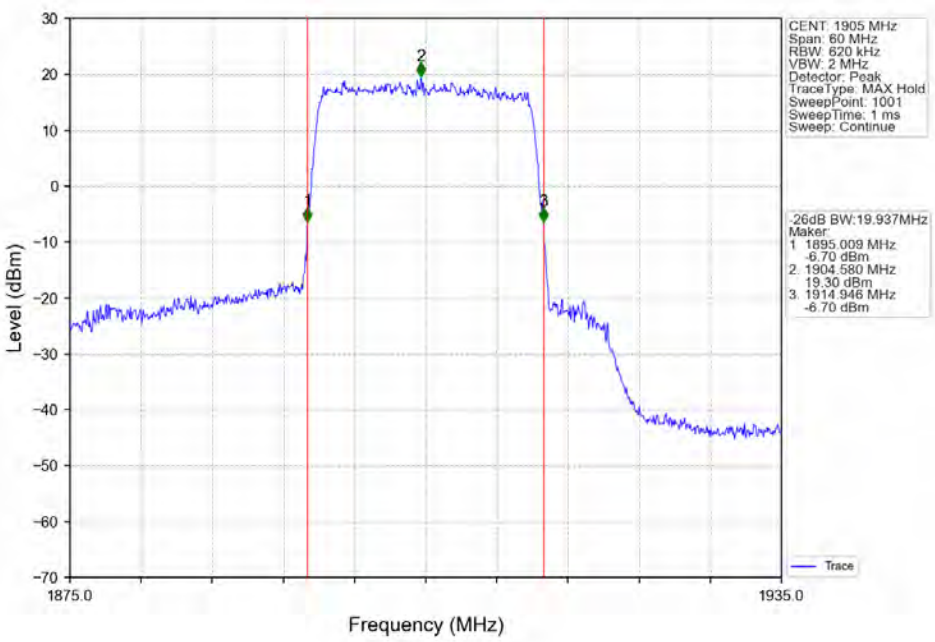
Band25_20MHz_QPSK_HCH_1905MHz_RB_100_0_NTNV



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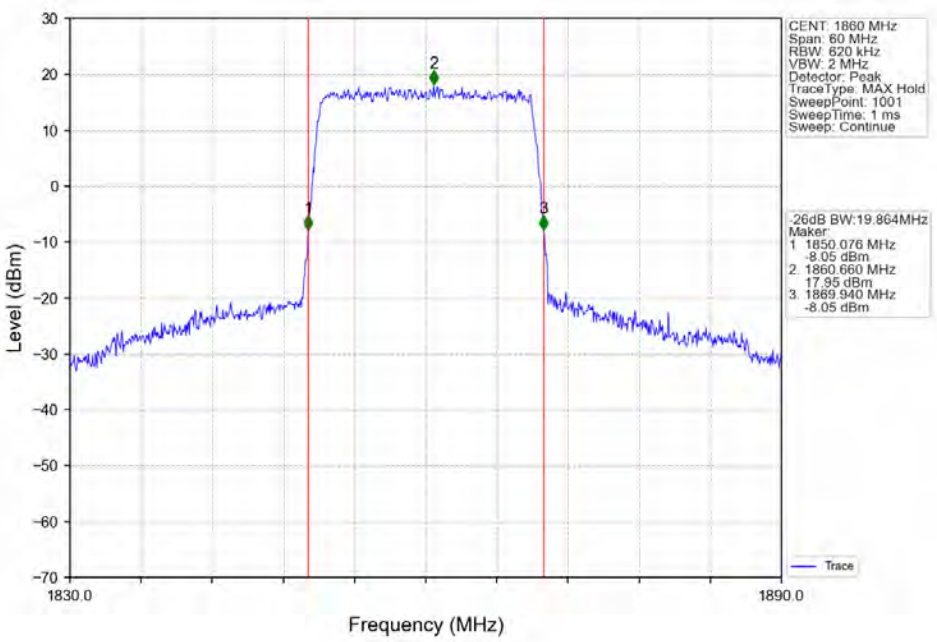
Band25_20MHz_16QAM_LCH_1860MHz_RB_100_0_NTNV



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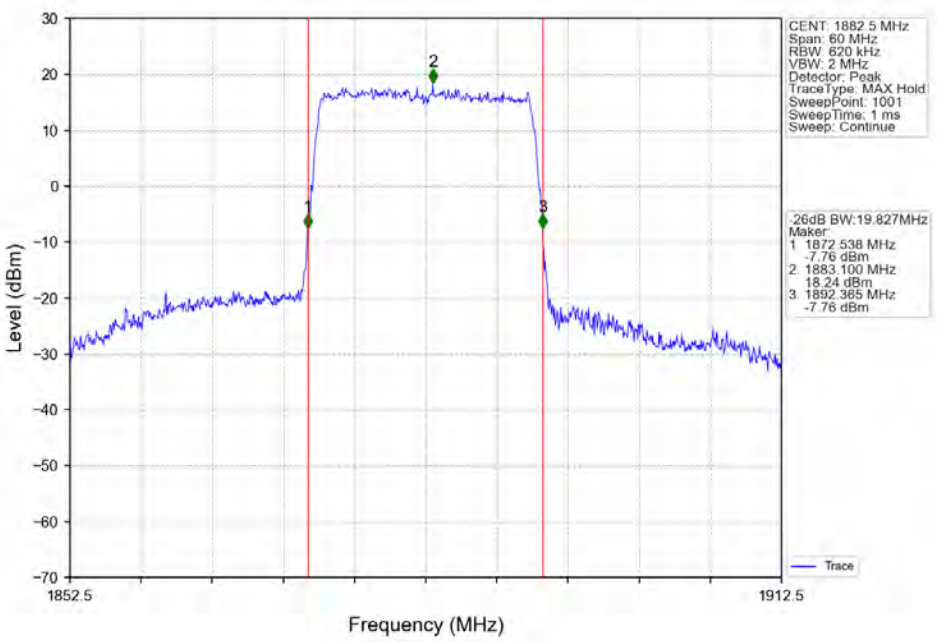

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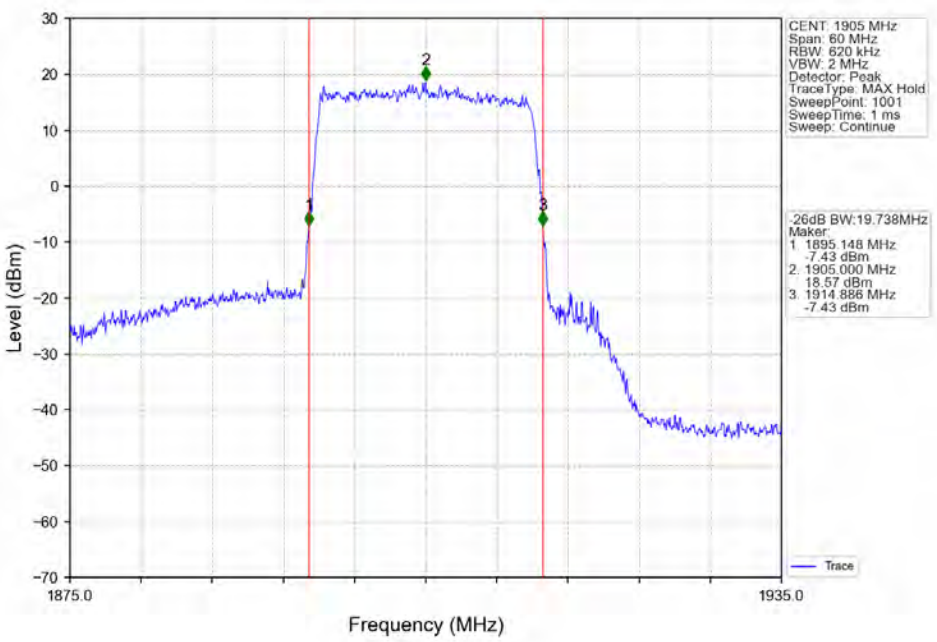

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4. Peak-Average Ratio

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	5.20	<=13	Pass
	1882.5	6	0	5.19	<=13	Pass
	1914.3	6	0	4.89	<=13	Pass
16QAM	1850.7	6	0	6.11	<=13	Pass
	1882.5	6	0	6.05	<=13	Pass
	1914.3	6	0	5.73	<=13	Pass

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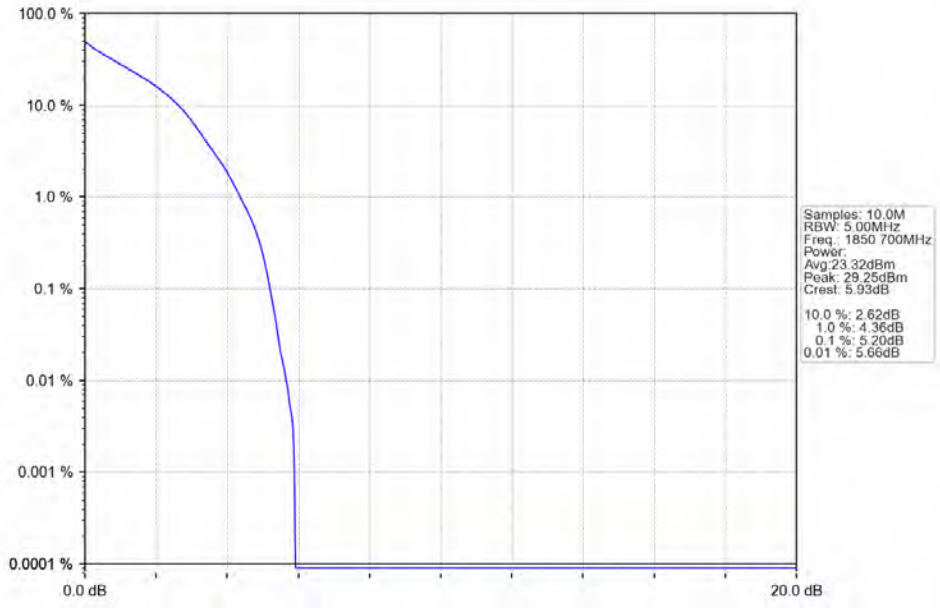
4.1.2 Test Graph

Band25_1.4MHz_QPSK_LCH_1850.7MHz_RB_6_0_NTNV



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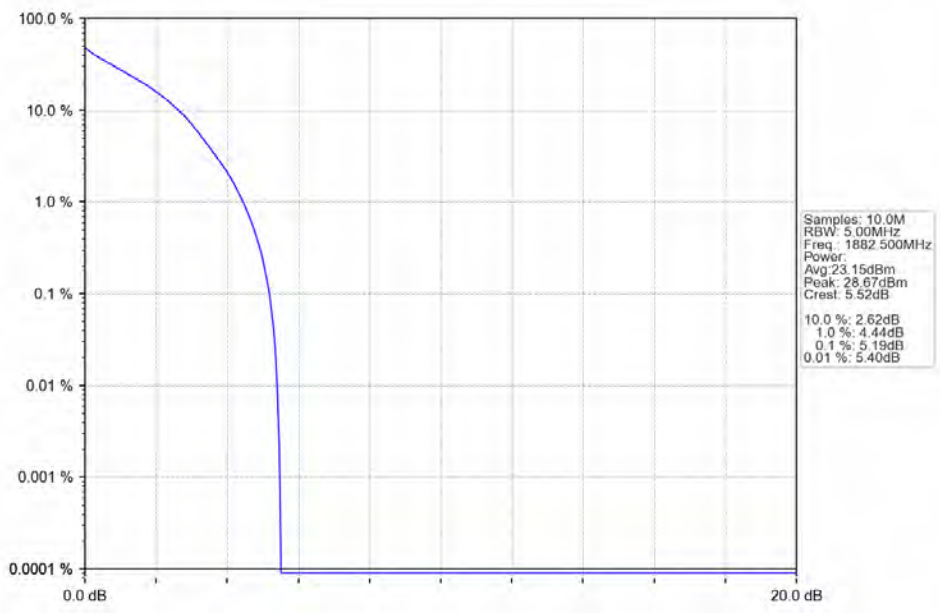

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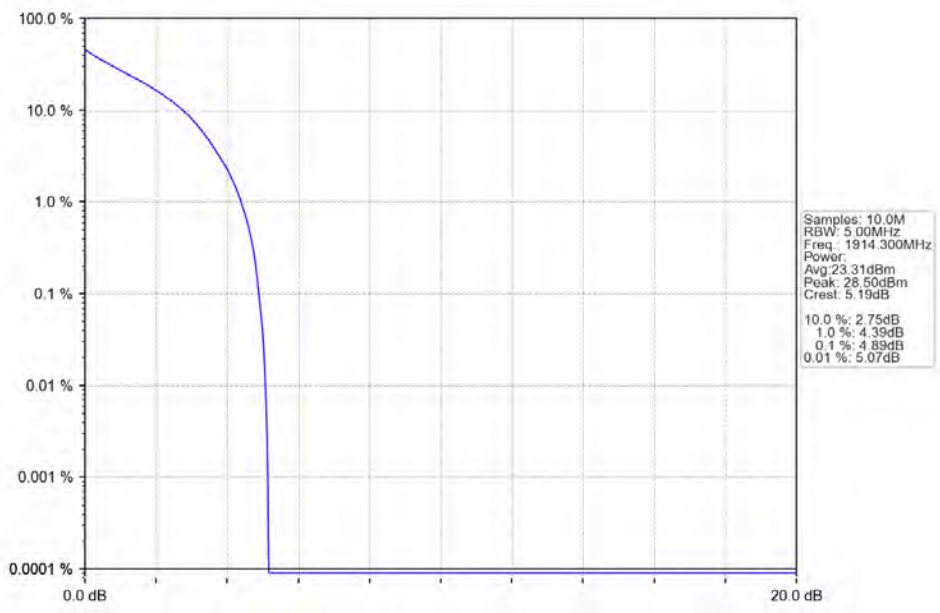

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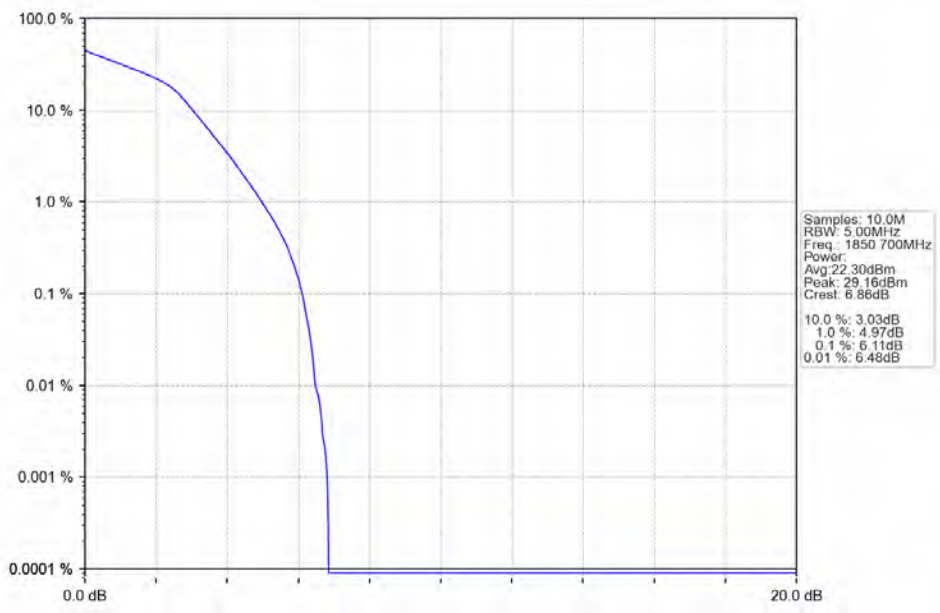
Band25_1.4MHz_16QAM_LCH_1850.7MHz_RB_6_0_NTNV



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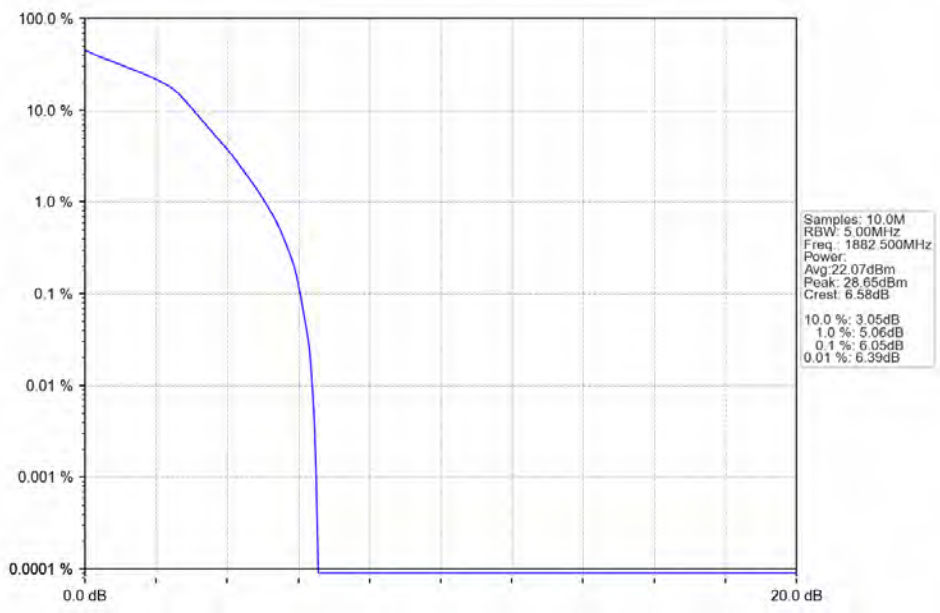
Band25_1.4MHz_16QAM_MCH_1882.5MHz_RB_6_0_NTNV



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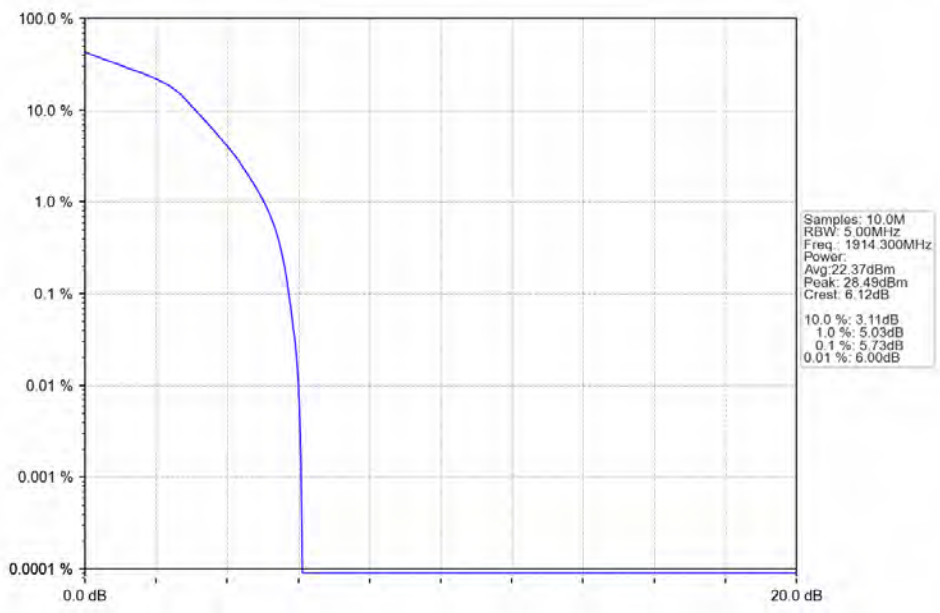
Band25_1.4MHz_16QAM_HCH_1914.3MHz_RB_6_0_NTNV



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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	5.30	<=13	Pass
	1882.5	15	0	5.35	<=13	Pass
	1913.5	15	0	5.22	<=13	Pass
16QAM	1851.5	15	0	6.13	<=13	Pass
	1882.5	15	0	6.16	<=13	Pass
	1913.5	15	0	6.04	<=13	Pass

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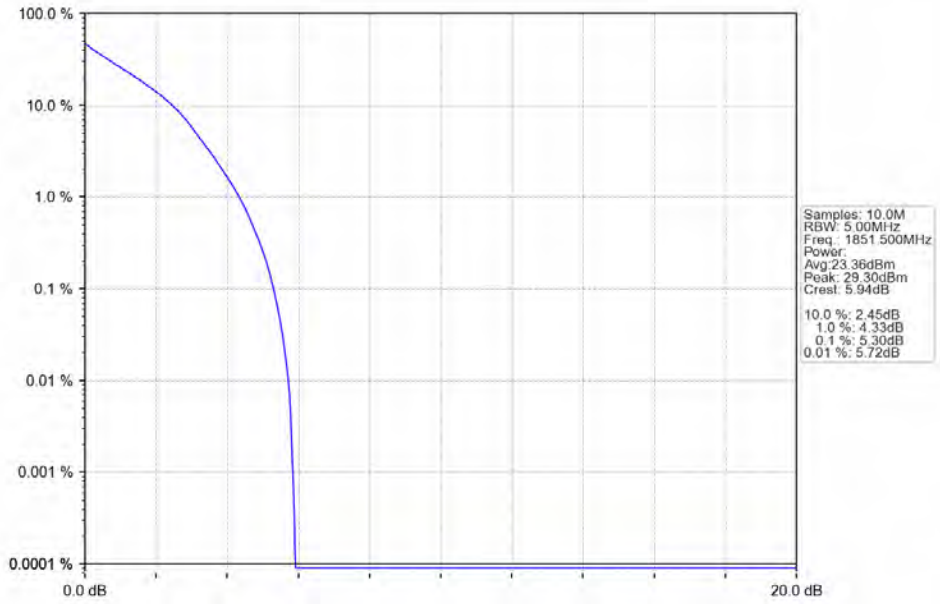
4.2.2 Test Graph

Band25_3MHz_QPSK_LCH_1851.5MHz_RB_15_0_NTNV



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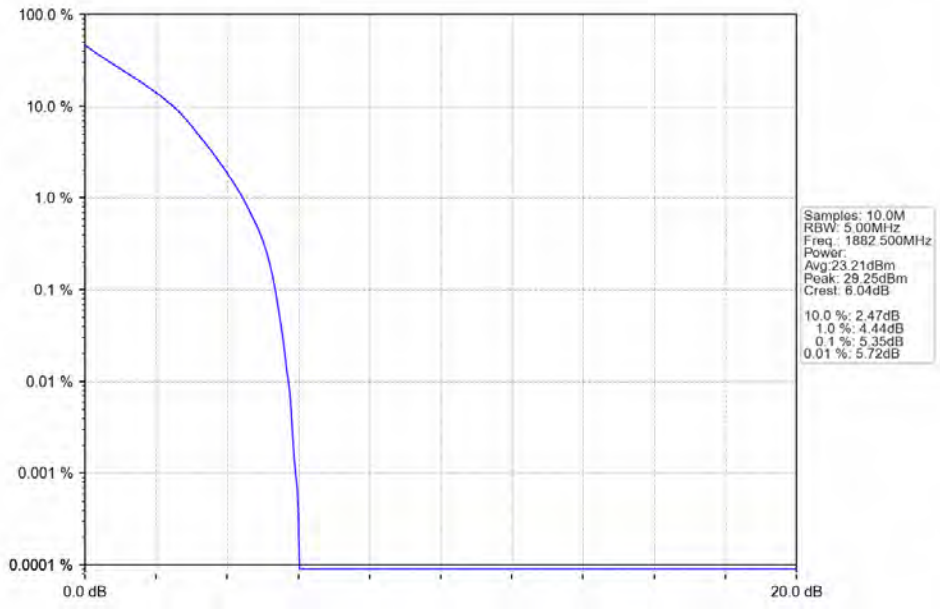
Band25_3MHz_QPSK_MCH_1882.5MHz_RB_15_0_NTNV



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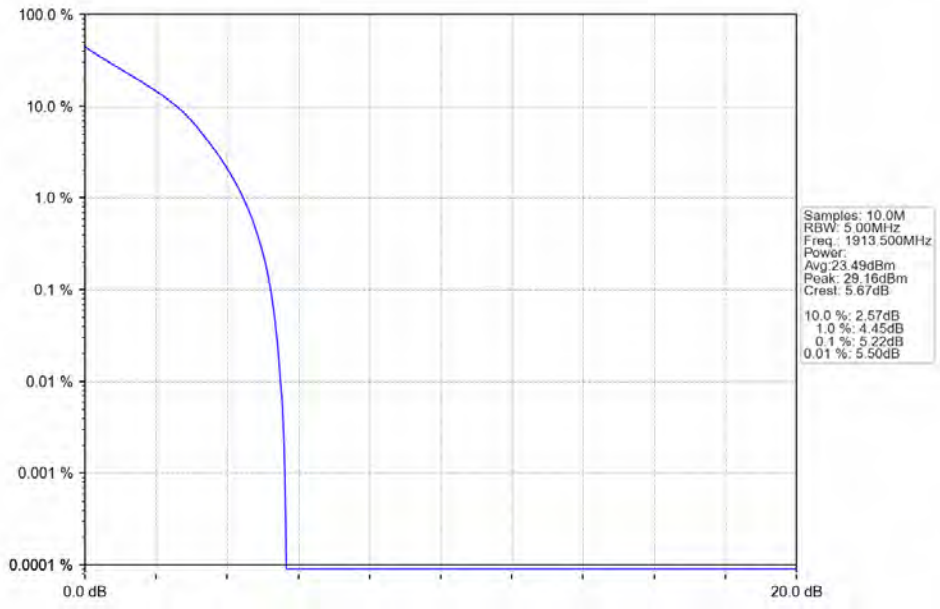
Band25_3MHz_QPSK_HCH_1913.5MHz_RB_15_0_NTNV



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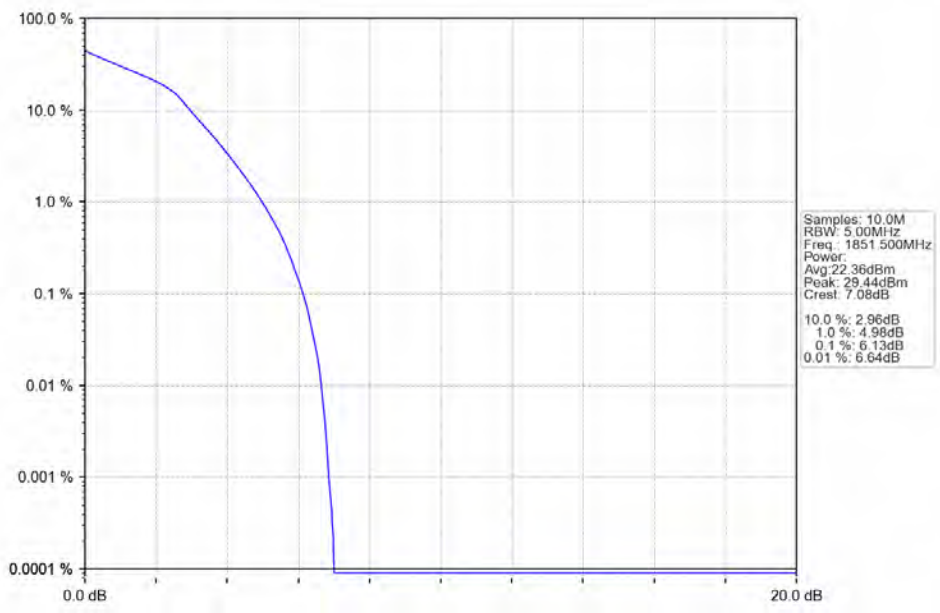

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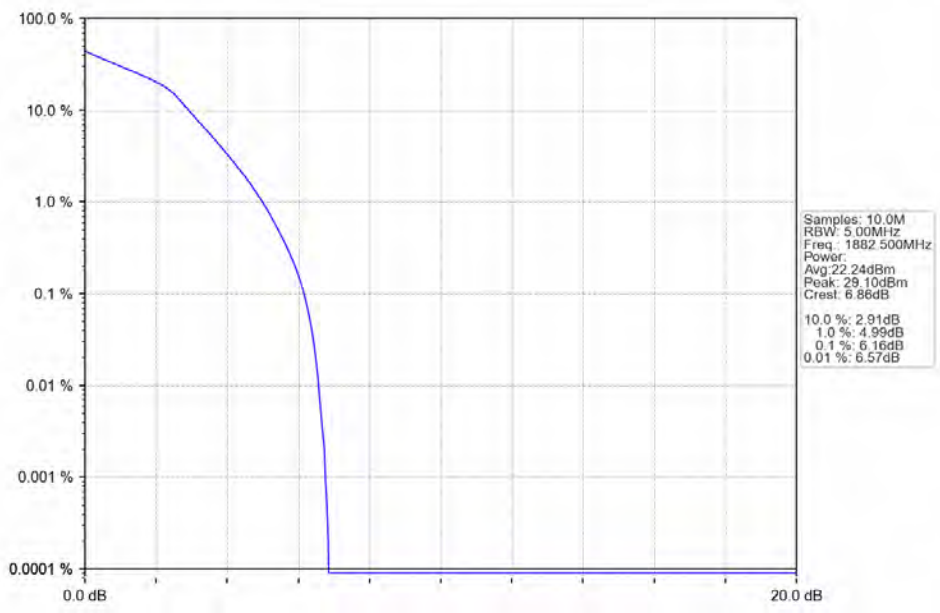
Band25_3MHz_16QAM_MCH_1882.5MHz_RB_15_0_NTNV



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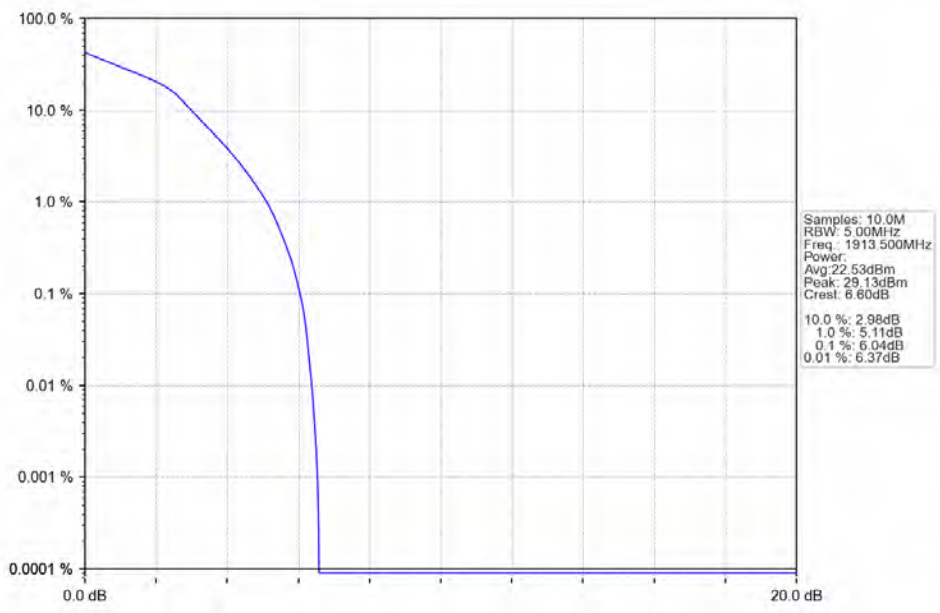
Band25_3MHz_16QAM_HCH_1913.5MHz_RB_15_0_NTNV



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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	5.42	<=13	Pass
	1882.5	25	0	5.49	<=13	Pass
	1912.5	25	0	5.36	<=13	Pass
16QAM	1852.5	25	0	6.13	<=13	Pass
	1882.5	25	0	6.23	<=13	Pass
	1912.5	25	0	6.13	<=13	Pass

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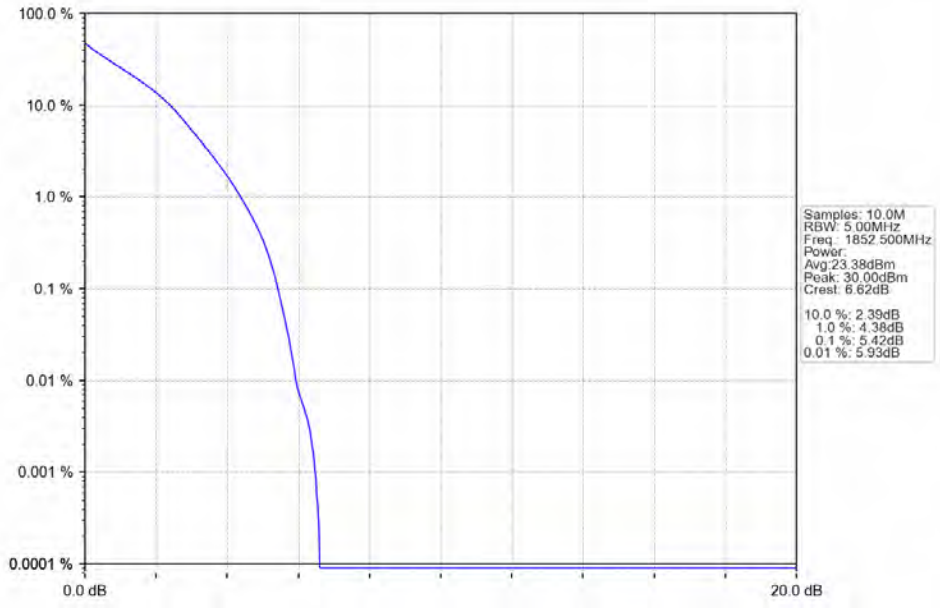
4.3.2 Test Graph

Band25_5MHz_QPSK_LCH_1852.5MHz_RB_25_0_NTNV



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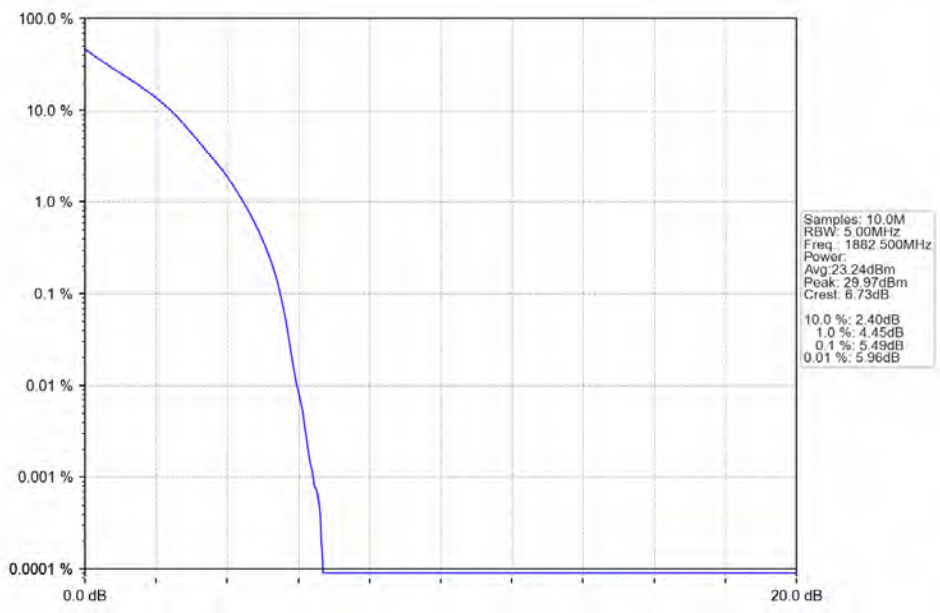
Band25_5MHz_QPSK_MCH_1882.5MHz_RB_25_0_NTNV



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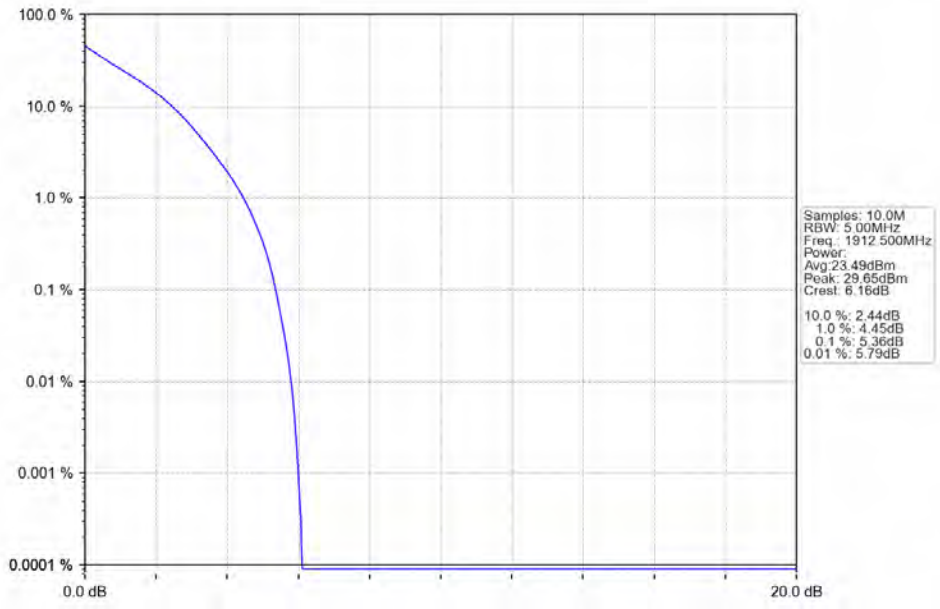
Band25_5MHz_QPSK_HCH_1912.5MHz_RB_25_0_NTNV



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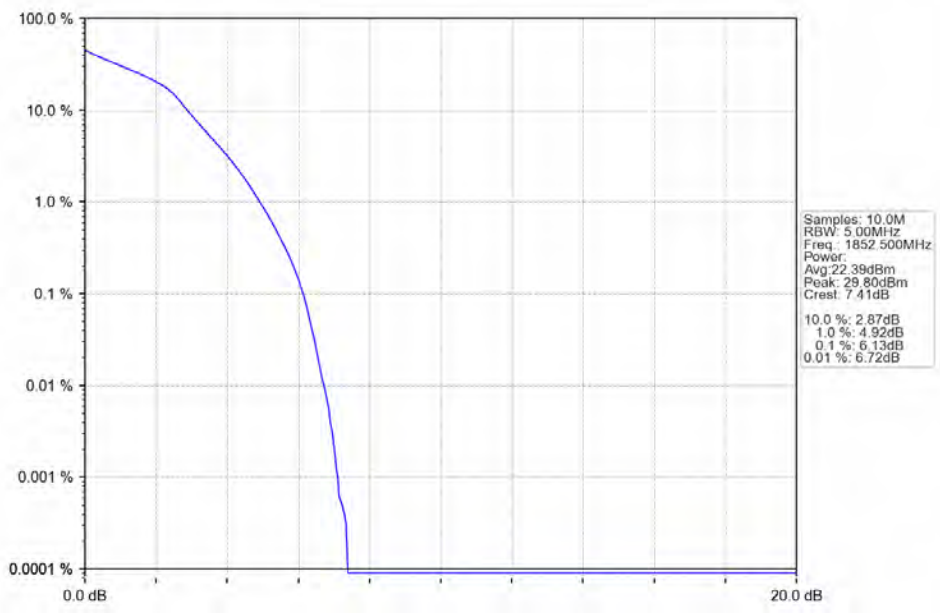
Band25_5MHz_16QAM_LCH_1852.5MHz_RB_25_0_NTNV



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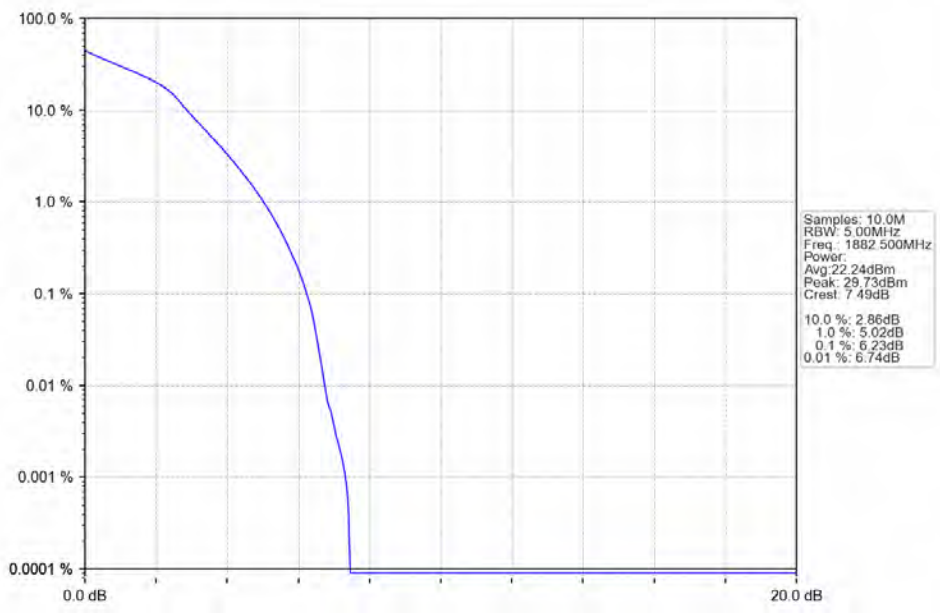

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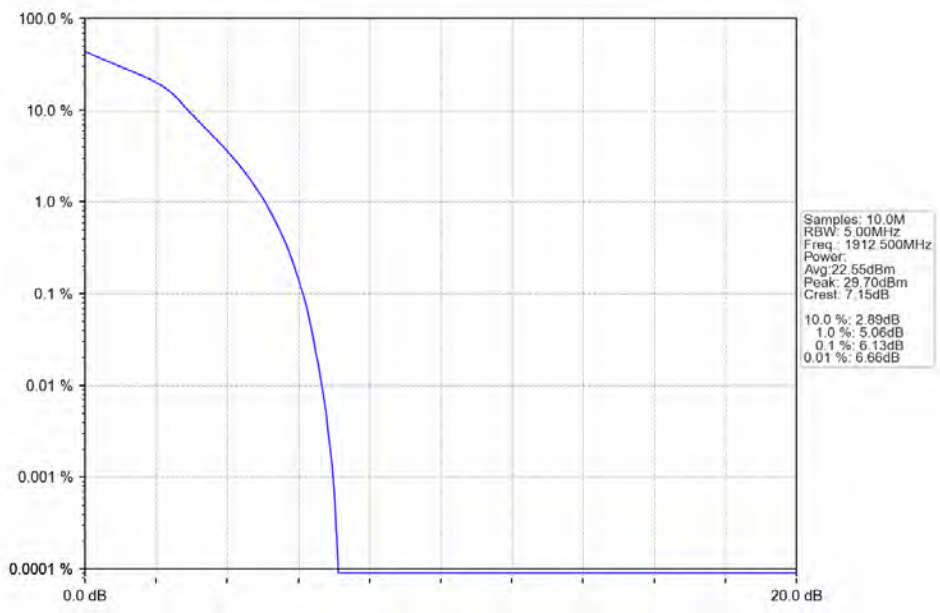

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4.4 B25_10MHz

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	5.39	<=13	Pass
	1882.5	50	0	5.48	<=13	Pass
	1910	50	0	5.33	<=13	Pass
16QAM	1855	50	0	6.14	<=13	Pass
	1882.5	50	0	6.28	<=13	Pass
	1910	50	0	6.15	<=13	Pass

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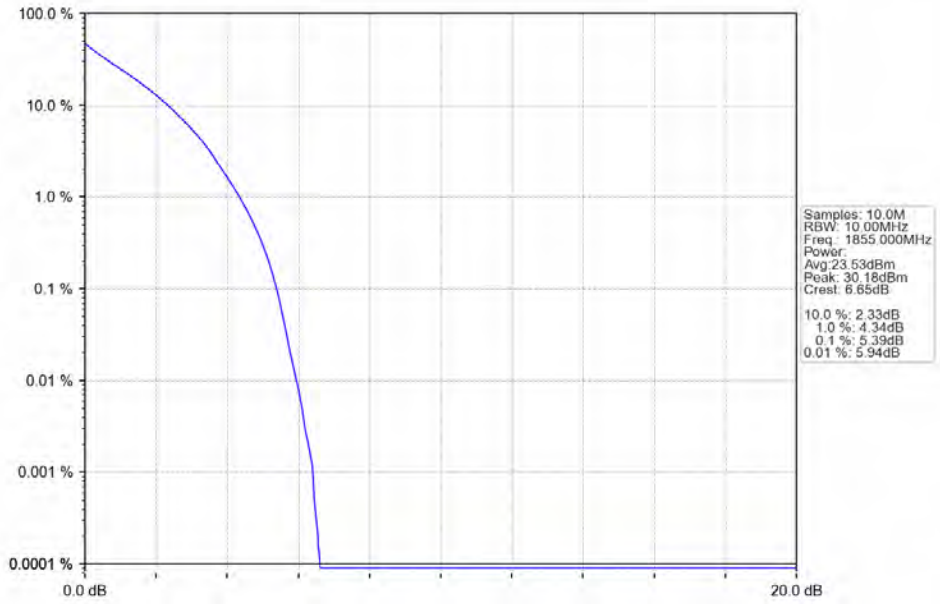
4.4.2 Test Graph

Band25_10MHz_QPSK_LCH_1855MHz_RB_50_0_NTNV



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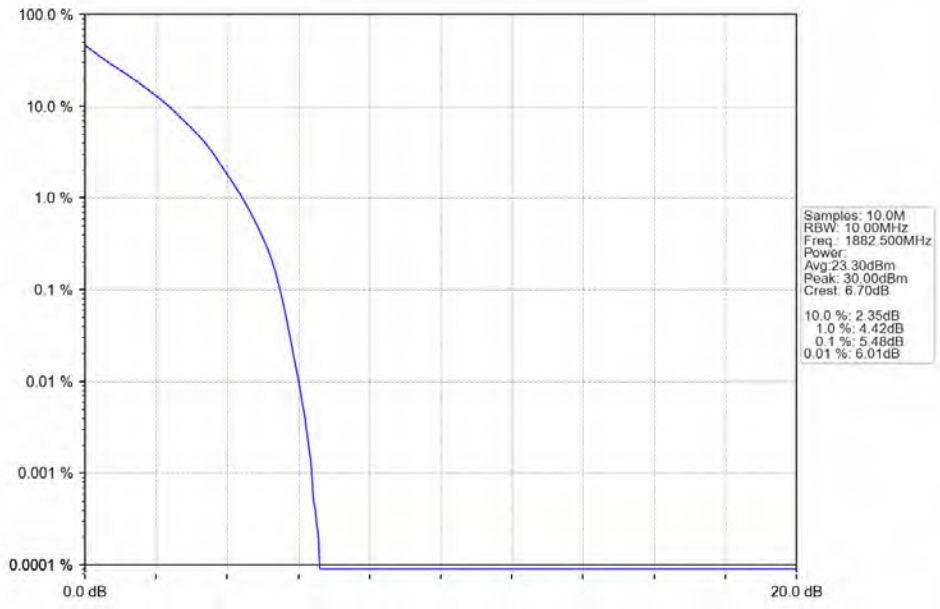

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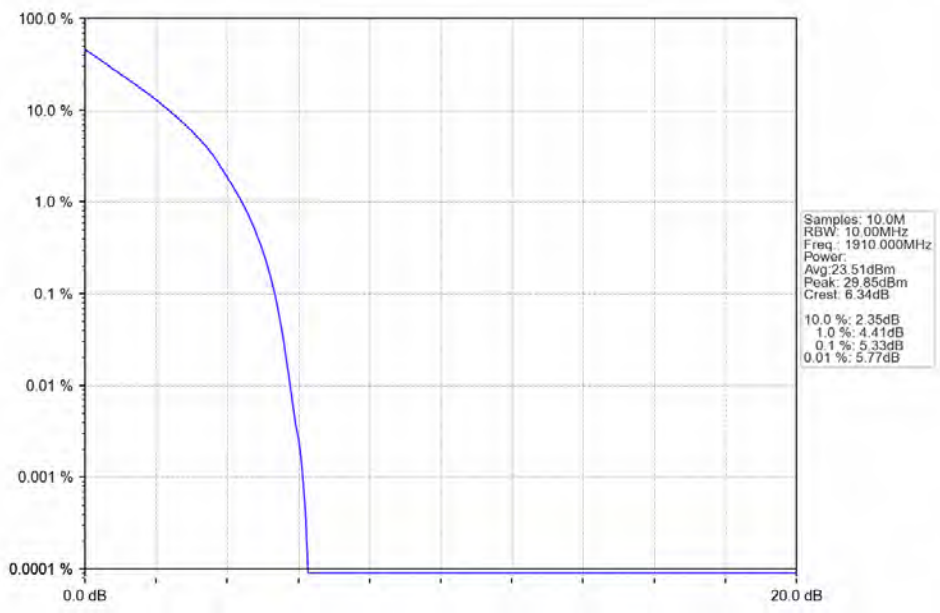

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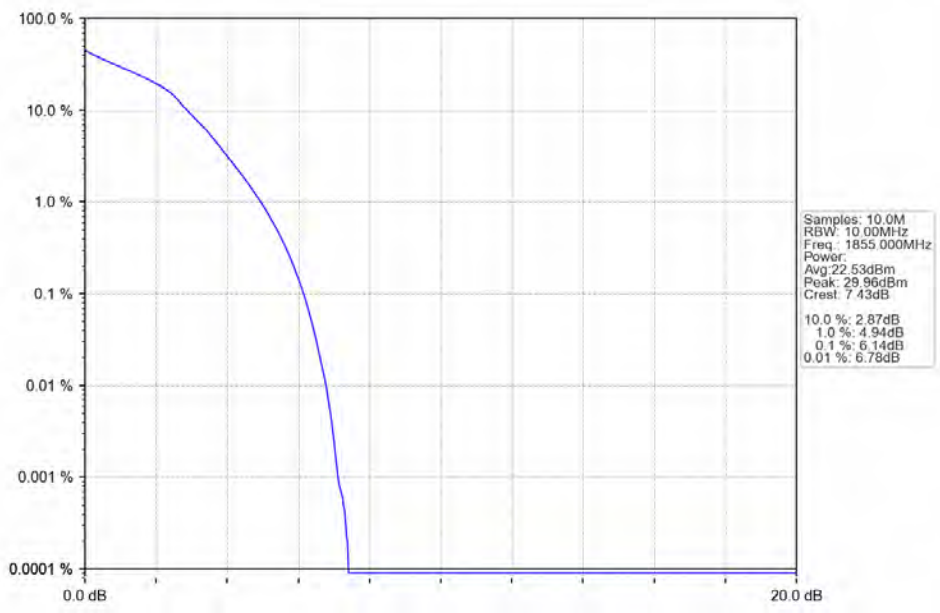

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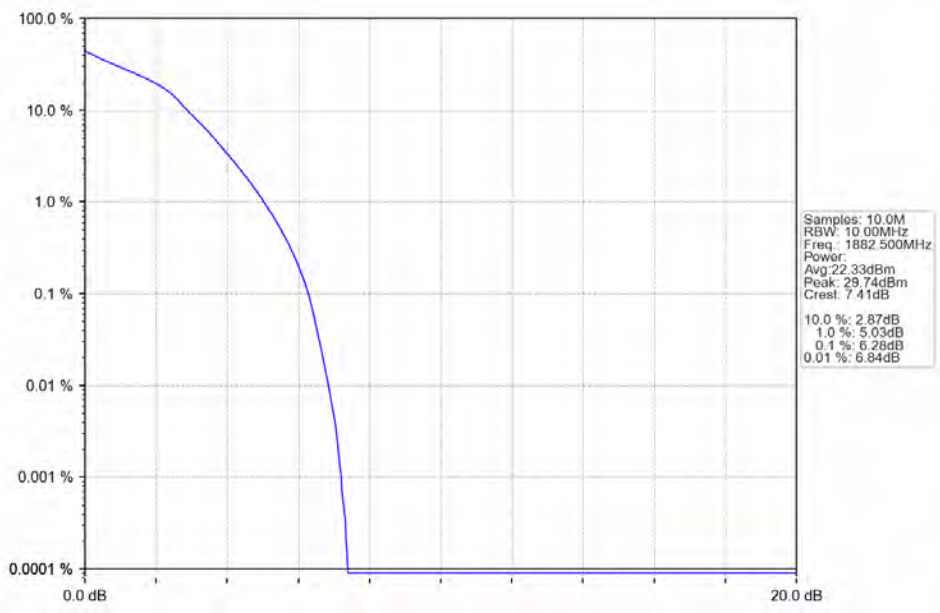

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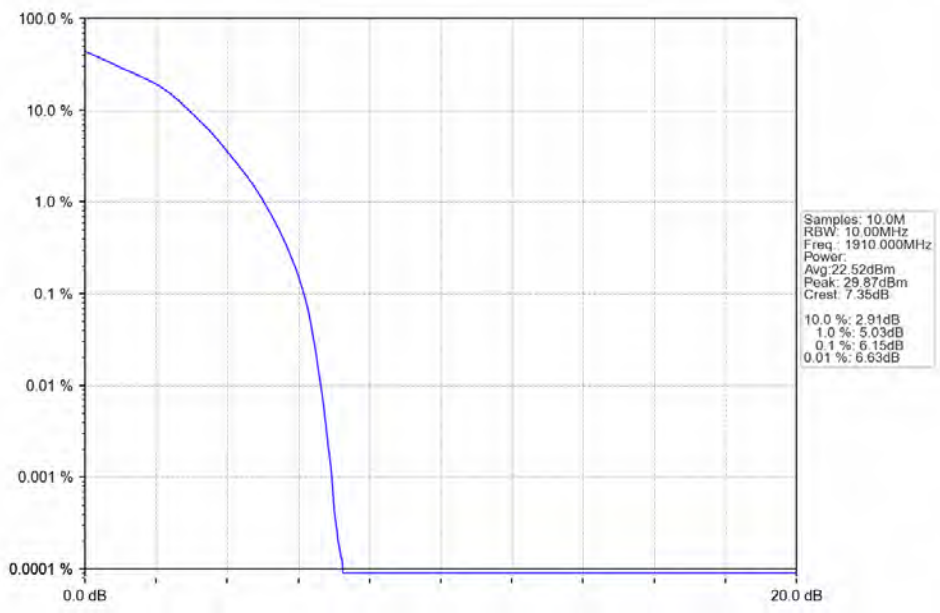

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4.5 B25_15MHz

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	5.55	<=13	Pass
	1882.5	75	0	5.62	<=13	Pass
	1907.5	75	0	5.44	<=13	Pass
16QAM	1857.5	75	0	6.22	<=13	Pass
	1882.5	75	0	6.32	<=13	Pass
	1907.5	75	0	6.16	<=13	Pass

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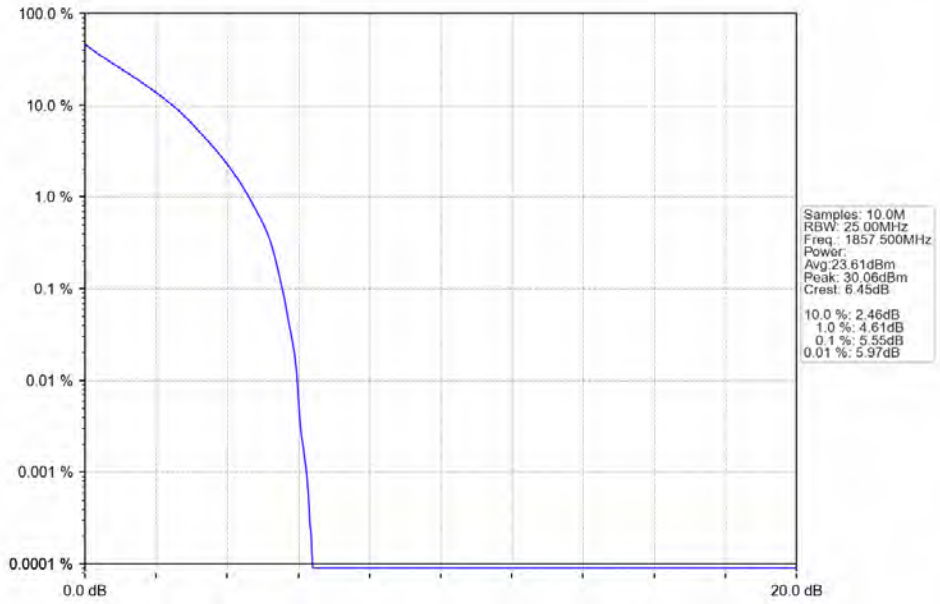
4.5.2 Test Graph

Band25_15MHz_QPSK_LCH_1857.5MHz_RB_75_0_NTNV



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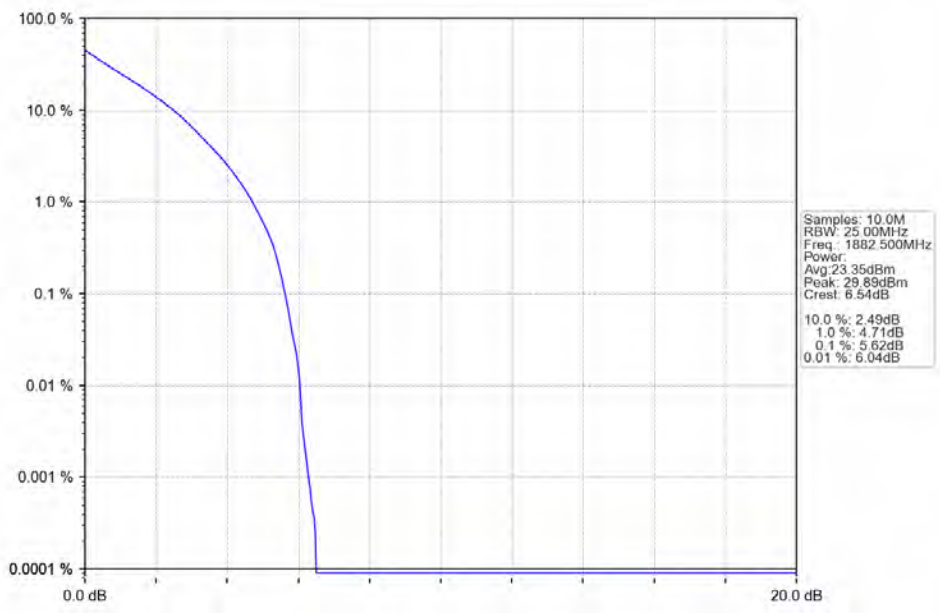
Band25_15MHz_QPSK_MCH_1882.5MHz_RB_75_0_NTNV



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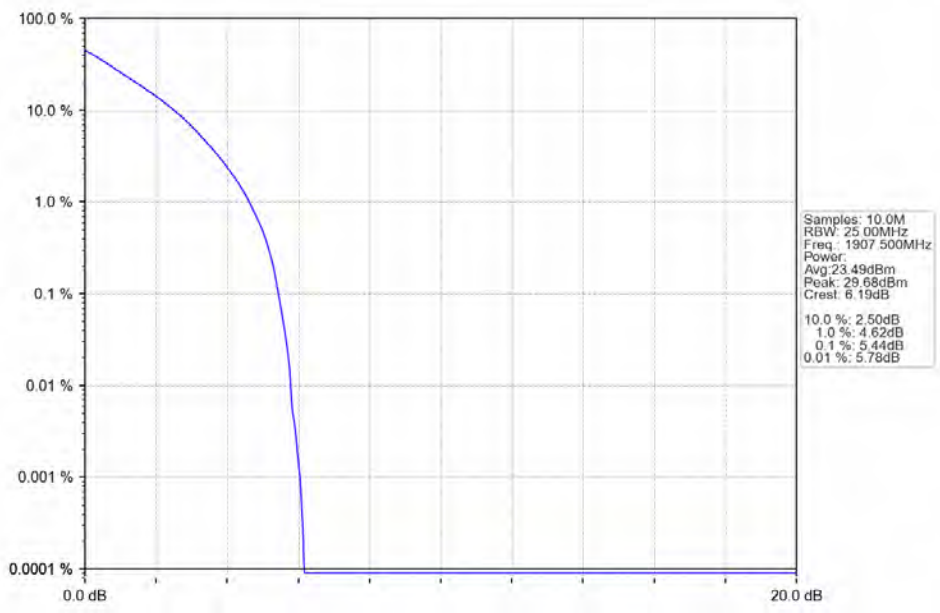
Band25_15MHz_QPSK_HCH_1907.5MHz_RB_75_0_NTNV



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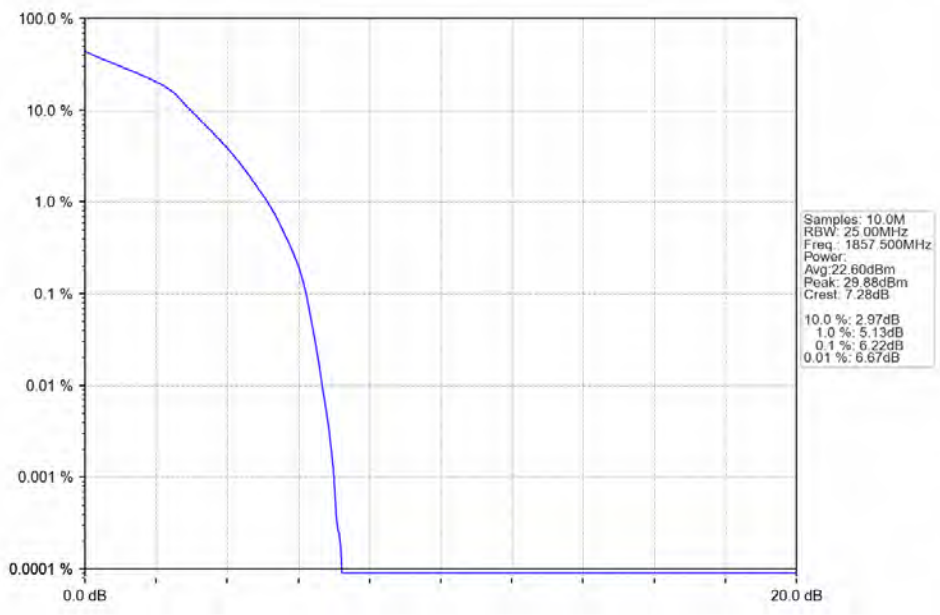
Band25_15MHz_16QAM_LCH_1857.5MHz_RB_75_0_NTNV



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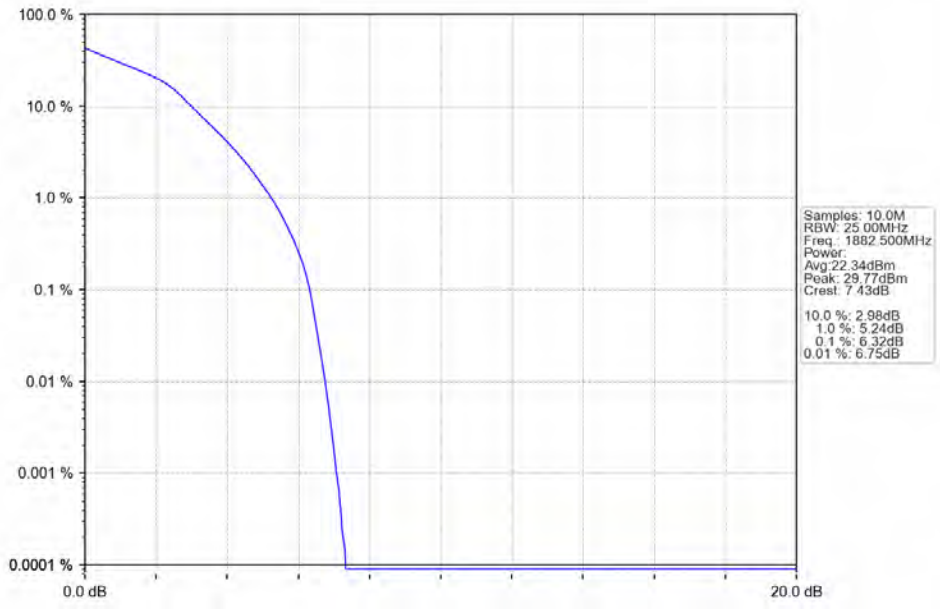

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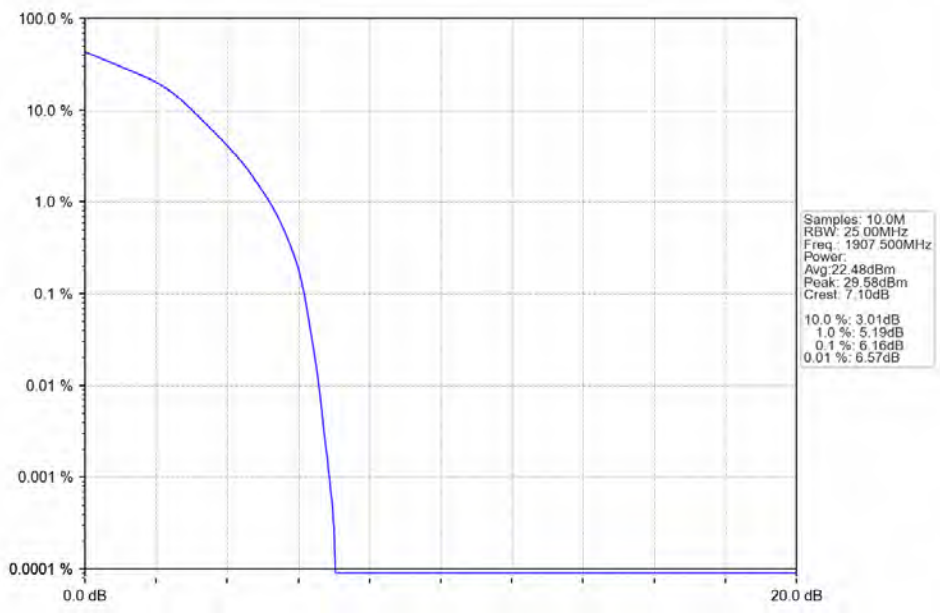

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4.6 B25_20MHz

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	5.42	<=13	Pass
	1882.5	100	0	5.49	<=13	Pass
	1905	100	0	5.43	<=13	Pass
16QAM	1860	100	0	6.25	<=13	Pass
	1882.5	100	0	6.29	<=13	Pass
	1905	100	0	6.23	<=13	Pass

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4.6.2 Test Graph

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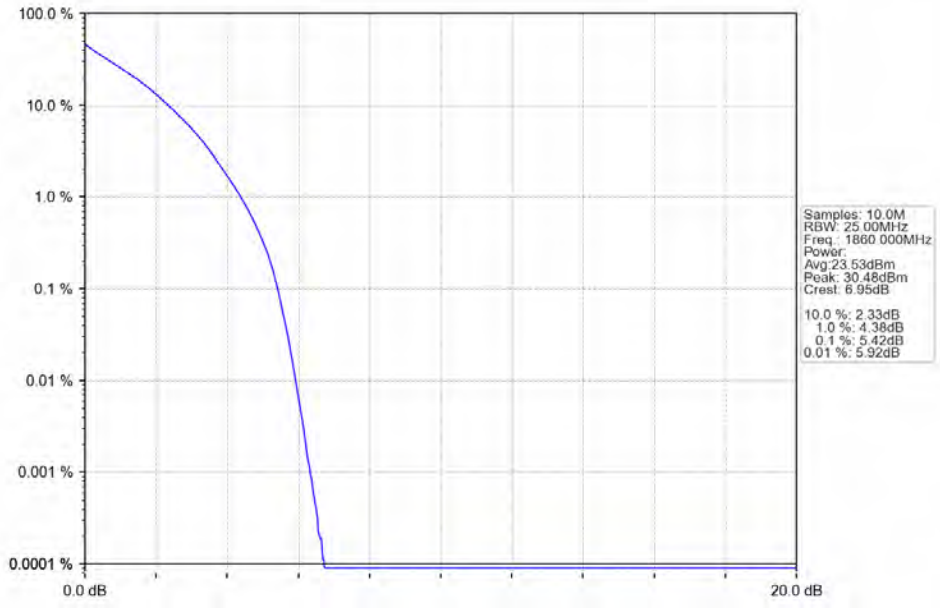

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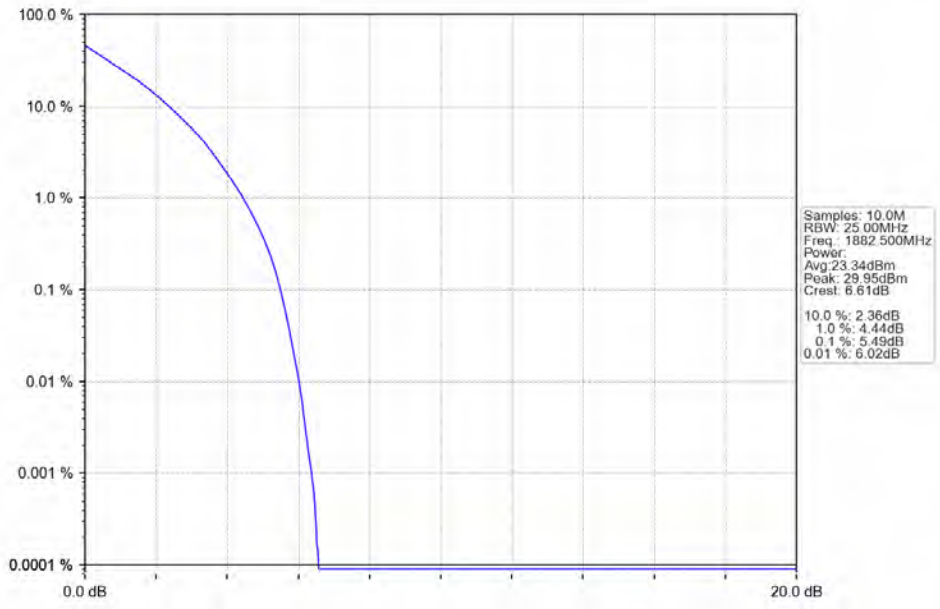
Band25_20MHz_QPSK_MCH_1882.5MHz_RB_100_0_NTNV



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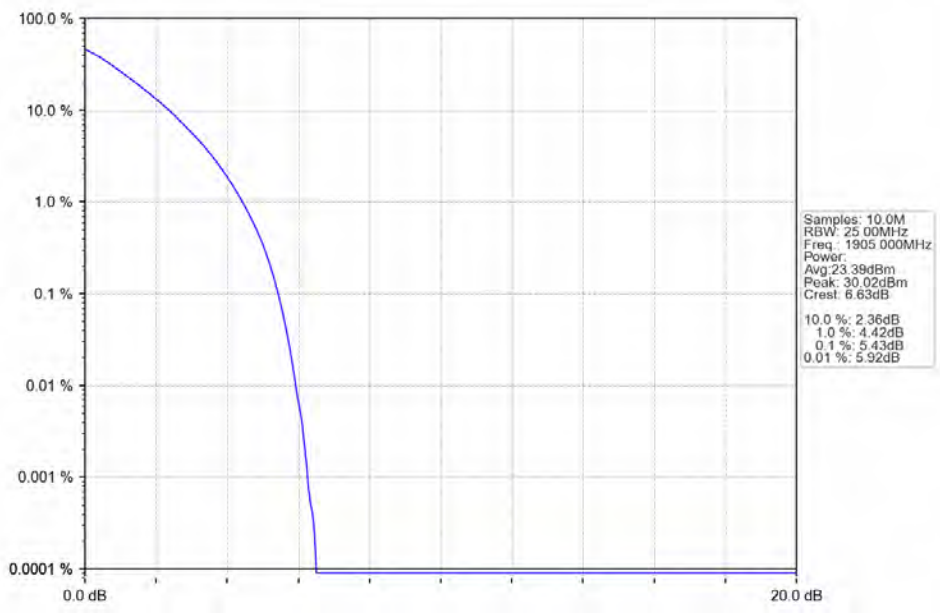
Band25_20MHz_QPSK_HCH_1905MHz_RB_100_0_NTNV



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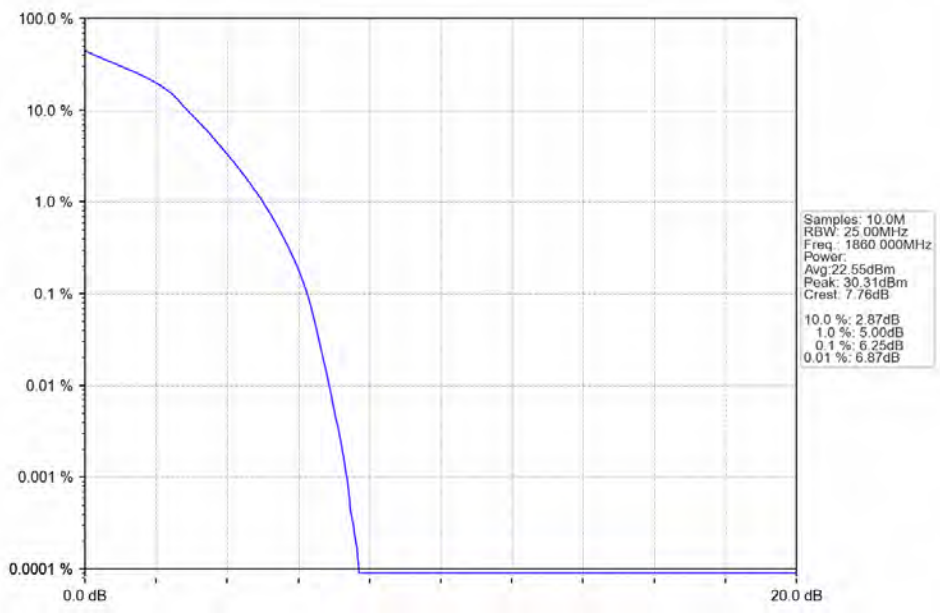

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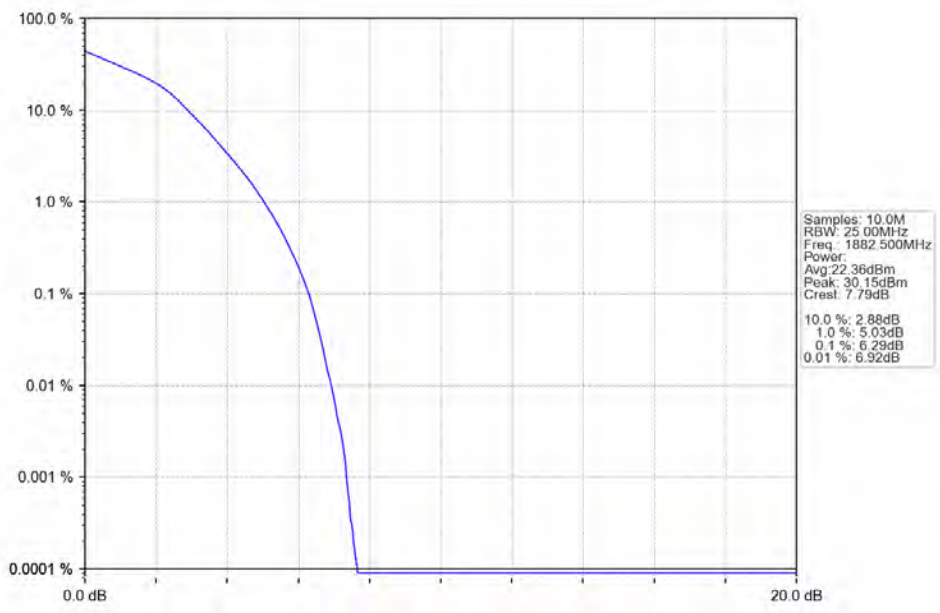

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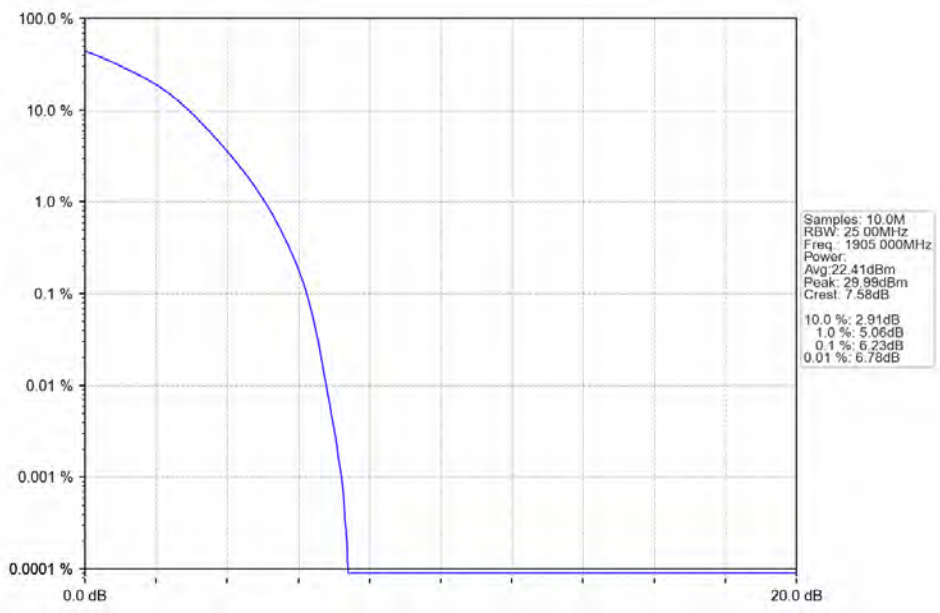
Band25_20MHz_16QAM_HCH_1905MHz_RB_100_0_NTNV



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5. Spurious Emission & Band Edge

5.1 B25_1.4MHz

5.1.1 Test Result

Band: 25 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	1850.7	1	0	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
	1882.5	1	0	Refer To Test Graph		Pass
	1914.3	1	0	Refer To Test Graph		Pass
			5	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass

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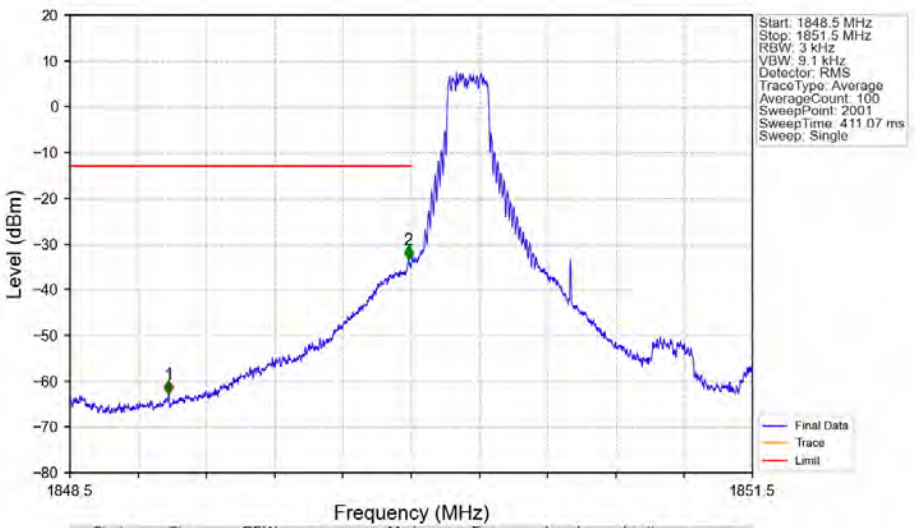
5.1.2 Test Graph

Band25_1.4MHz_QPSK_LCH_1850.7MHz_RB_1_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1848.5	1849	1	/	1	1848.934	-62.84	-13	Pass
1849	1850	0.003	/	2	1849.988	-33.50	-13	Pass
1850	1851.5	0.003	/	/	/	/	/	/

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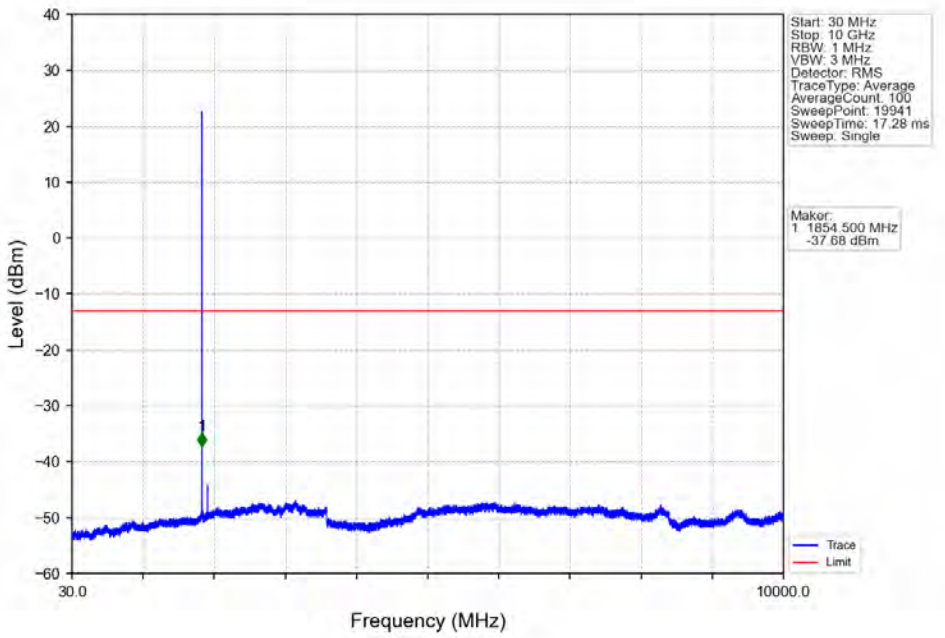
Band25_1.4MHz_QPSK_LCH_1850.7MHz_RB_1_0_NTNV



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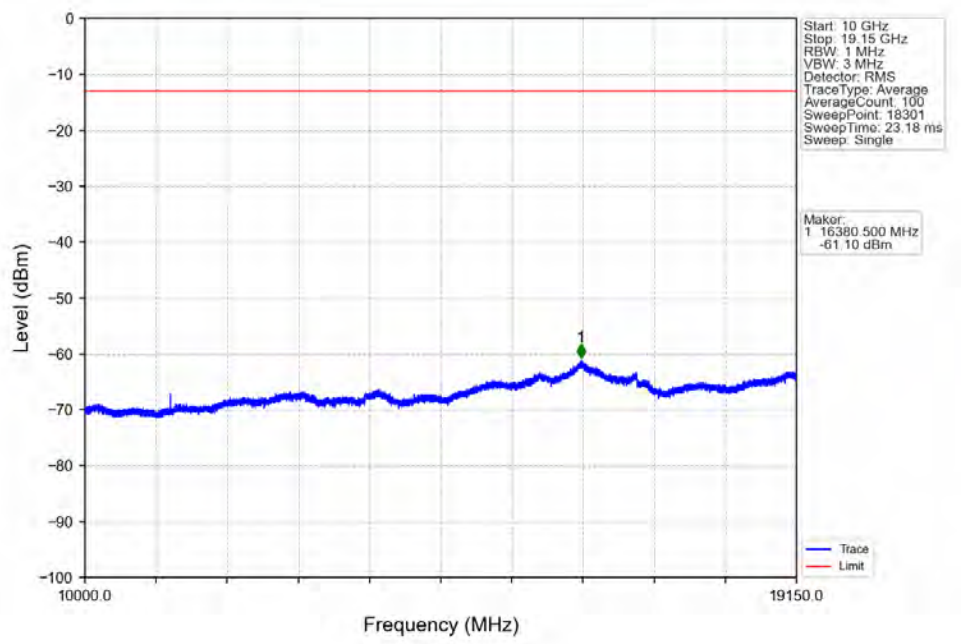
Band25_1.4MHz_QPSK_LCH_1850.7MHz_RB_1_0_NTNV



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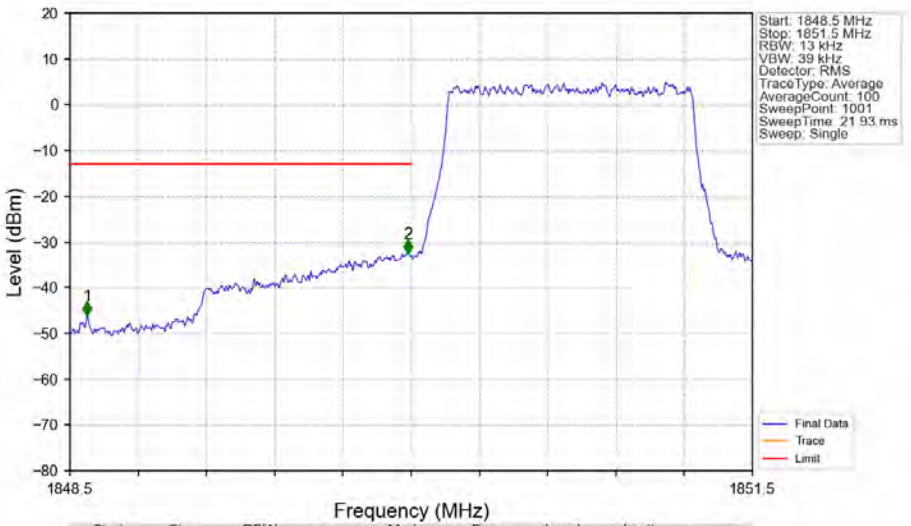
Band25_1.4MHz_QPSK_LCH_1850.7MHz_RB_6_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1848.5	1849	1	/	1	1848.575	-46.20	-13	Pass
1849	1850	0.013	/	2	1849.985	-32.56	-13	Pass
1850	1851.5	0.013	/	/	/	/	/	/

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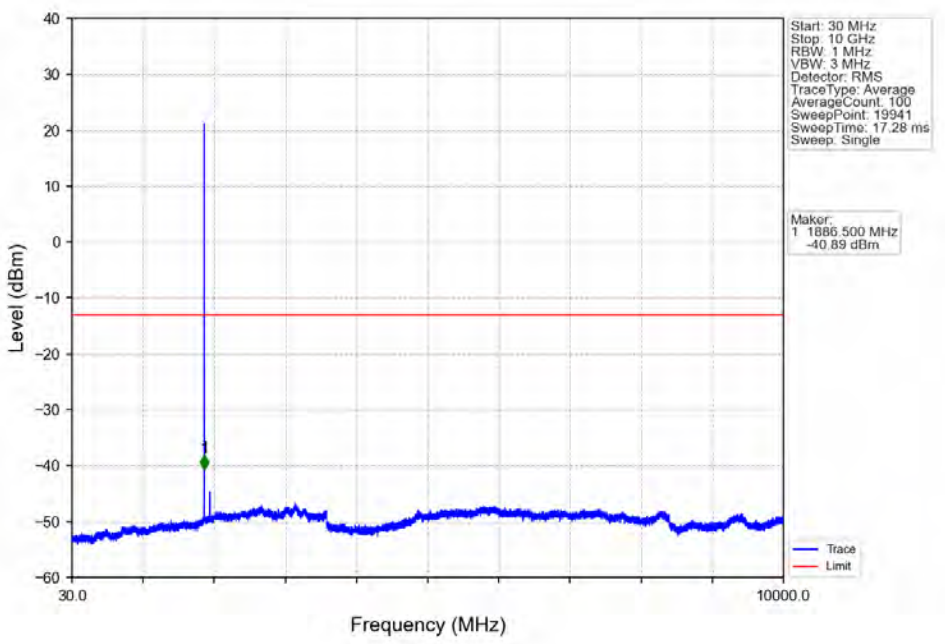
Band25_1.4MHz_QPSK_MCH_1882.5MHz_RB_1_0_NTNV



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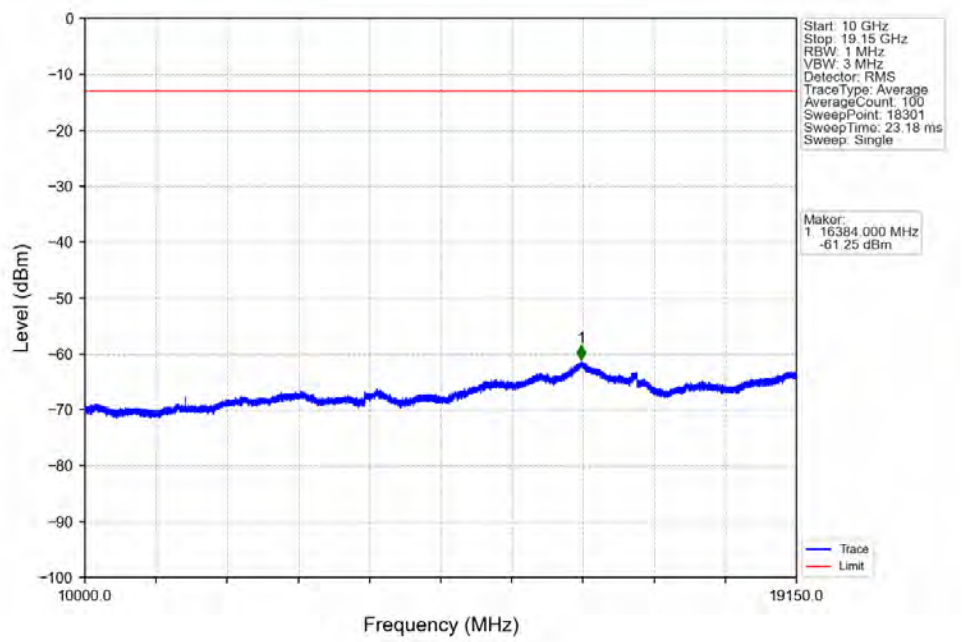
Band25_1.4MHz_QPSK_MCH_1882.5MHz_RB_1_0_NTNV



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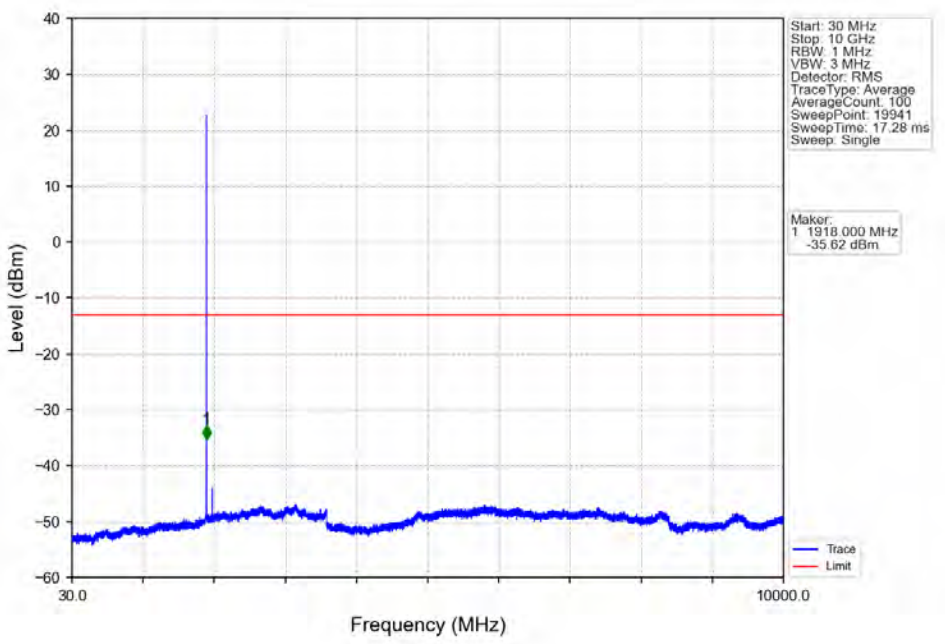
Band25_1.4MHz_QPSK_HCH_1914.3MHz_RB_1_0_NTNV



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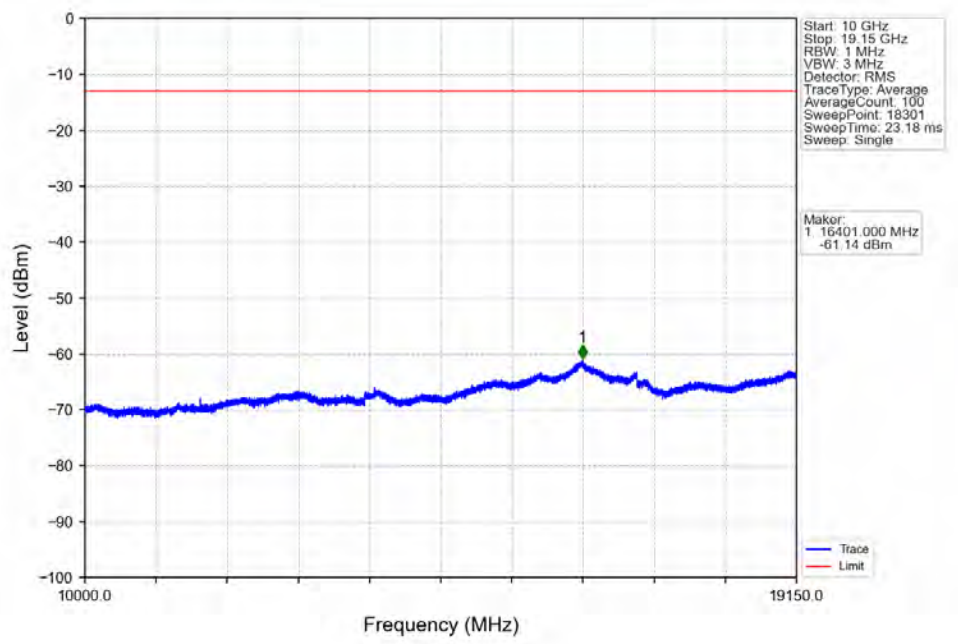

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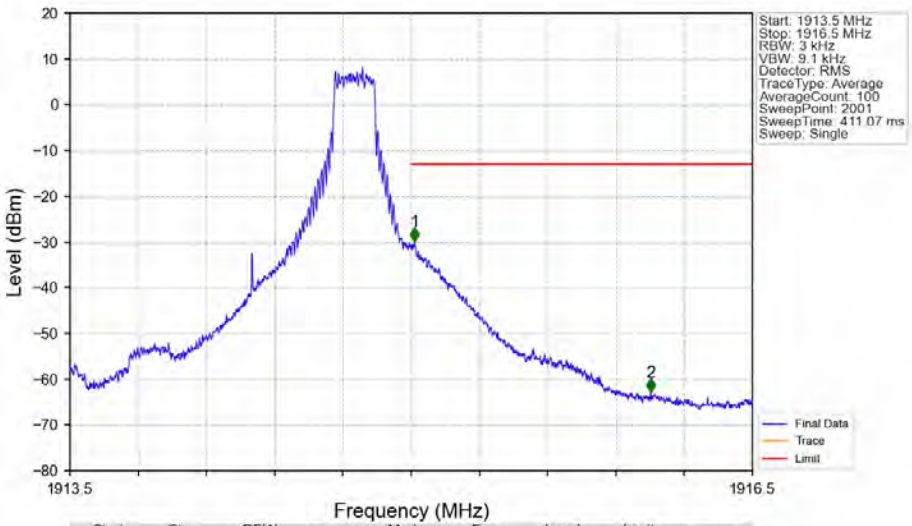

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1913.5	1915	0.003	/	/	/	/	/	/
1915	1916	0.003	/	1	1915.015	-29.86	-13	Pass
1916	1916.5	1	/	2	1916.053	-62.87	-13	Pass

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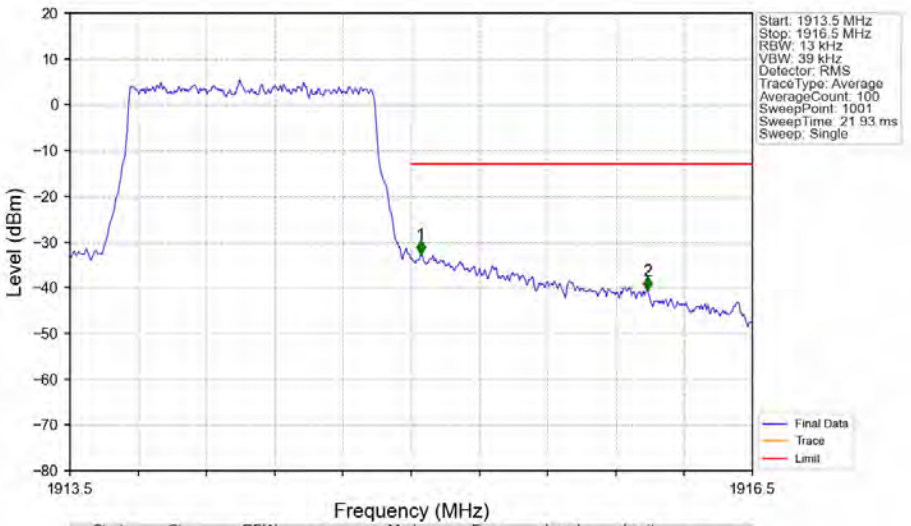
Band25_1.4MHz_QPSK_HCH_1914.3MHz_RB_6_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1913.5	1915	0.013	/	/	/	/	/	/
1915	1916	0.013	/	1	1915.042	-32.71	-13	Pass
1916	1916.5	1	/	2	1916.038	-40.66	-13	Pass

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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

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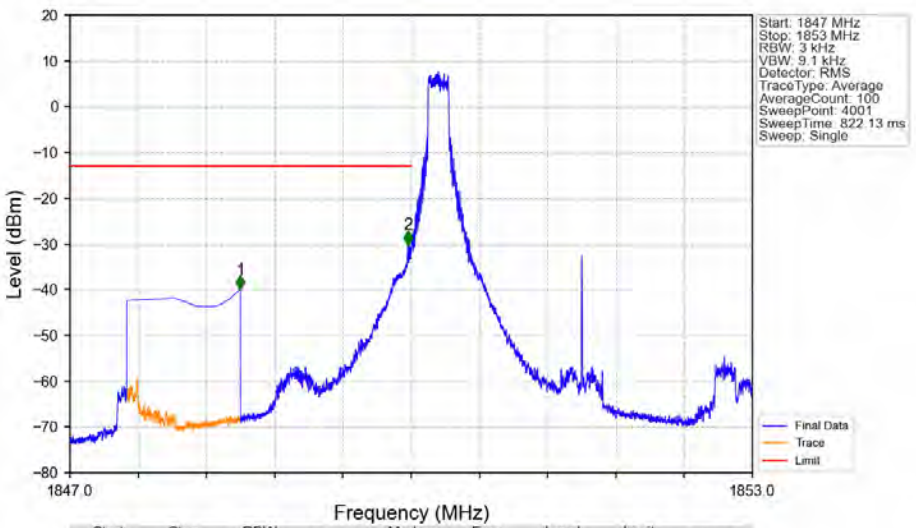
5.2.2 Test Graph

Band25_3MHz_QPSK_LCH_1851.5MHz_RB_1_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1847	1849	1	CHP	1	1848.498	-39.96	-13	Pass
1849	1850	0.003	/	2	1849.970	-30.19	-13	Pass
1850	1853	0.003	/	/	/	/	/	/

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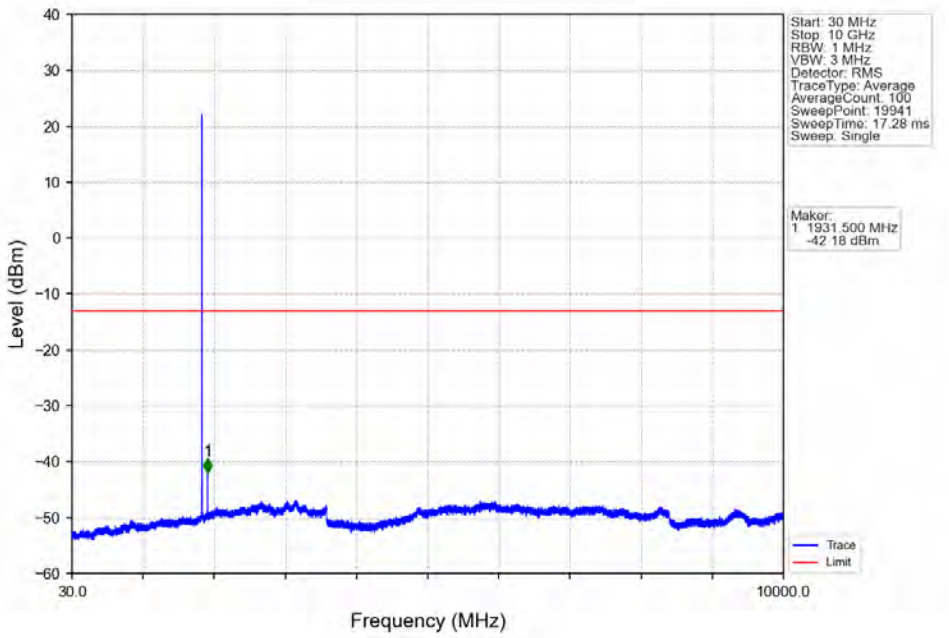
Band25_3MHz_QPSK_LCH_1851.5MHz_RB_1_0_NTNV



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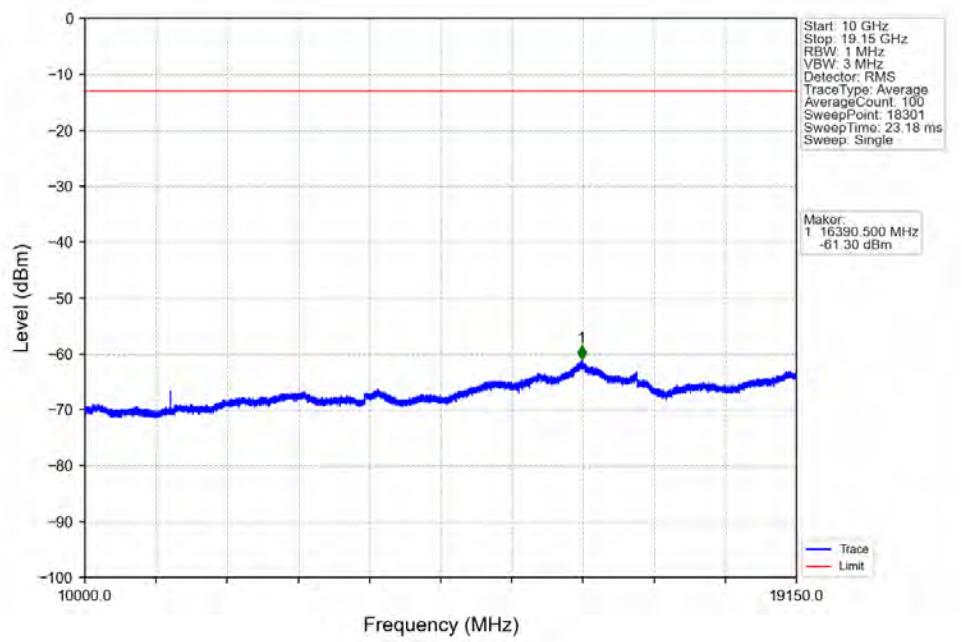

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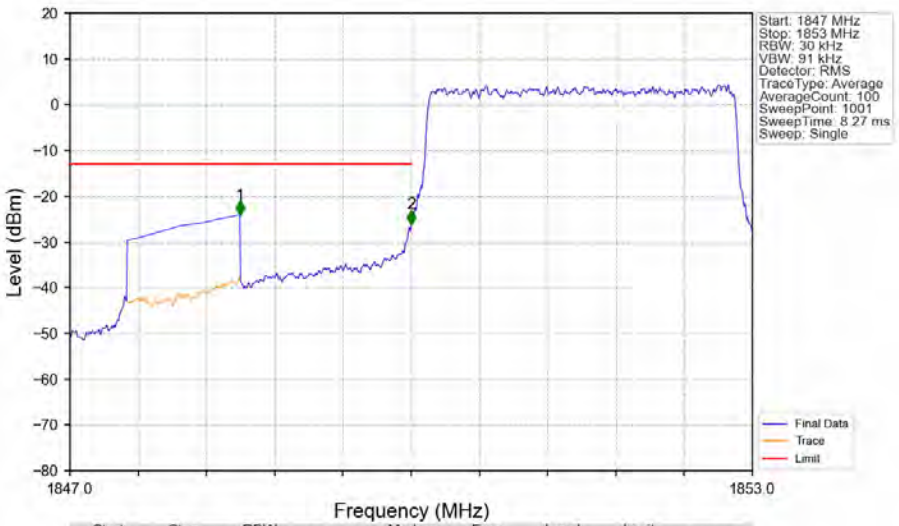
Band25_3MHz_QPSK_LCH_1851.5MHz_RB_15_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1847	1849	1	CHP	1	1848.494	-24.14	-13	Pass
1849	1850	0.03	/	2	1850.000	-26.15	-13	Pass
1850	1853	0.03	/	/	/	/	/	/

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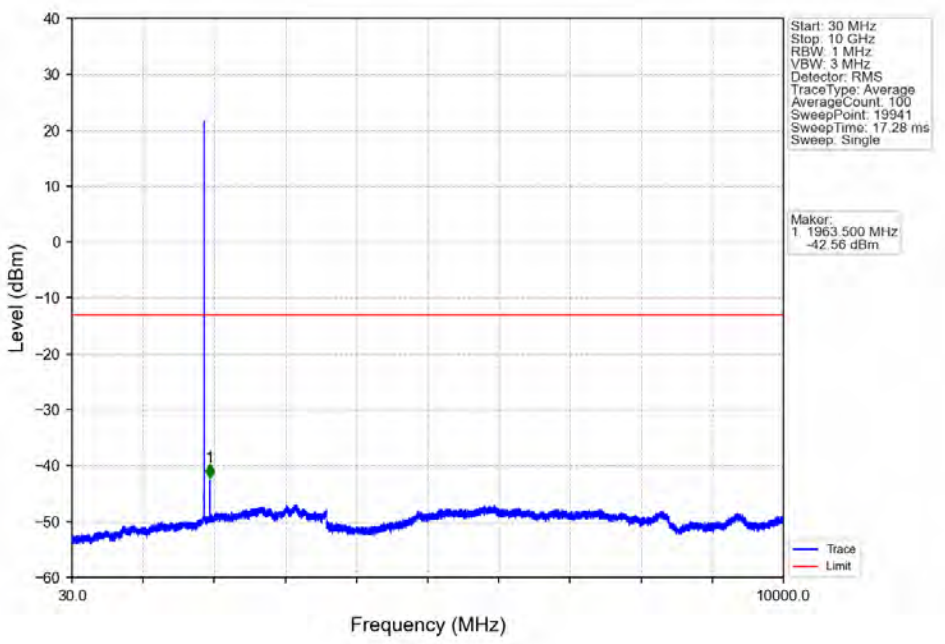

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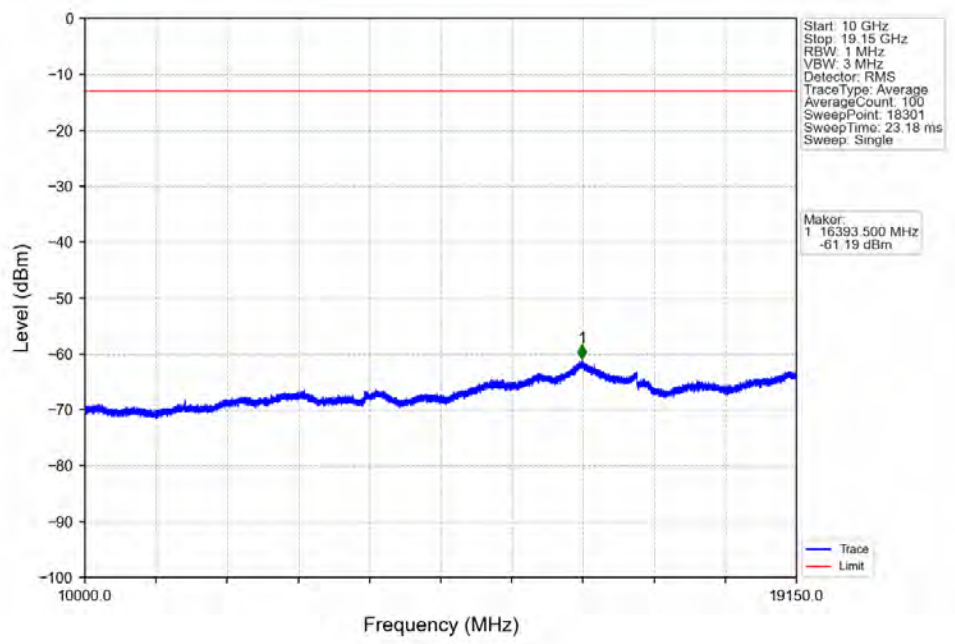

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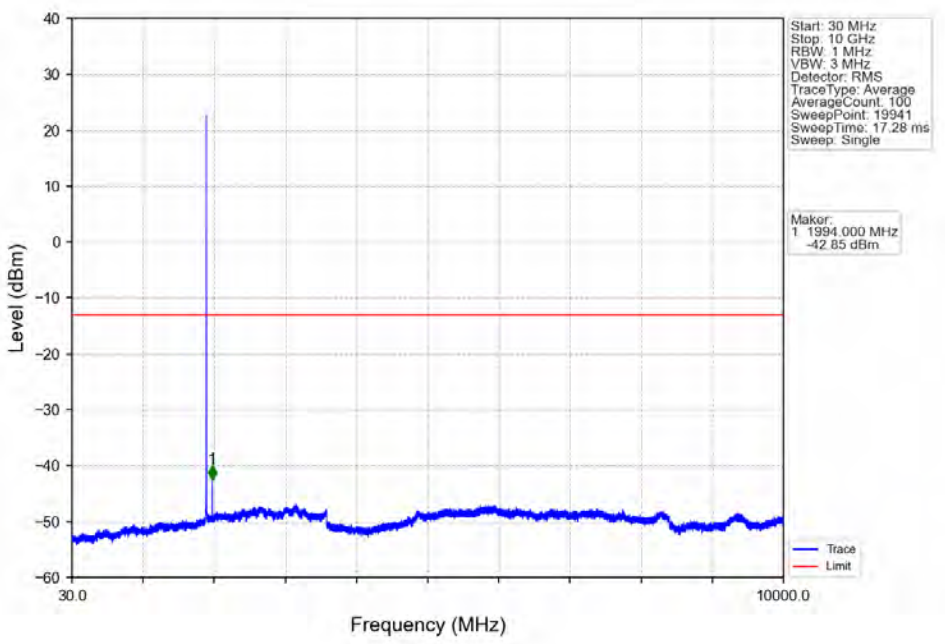
Band25_3MHz_QPSK_HCH_1913.5MHz_RB_1_0_NTNV



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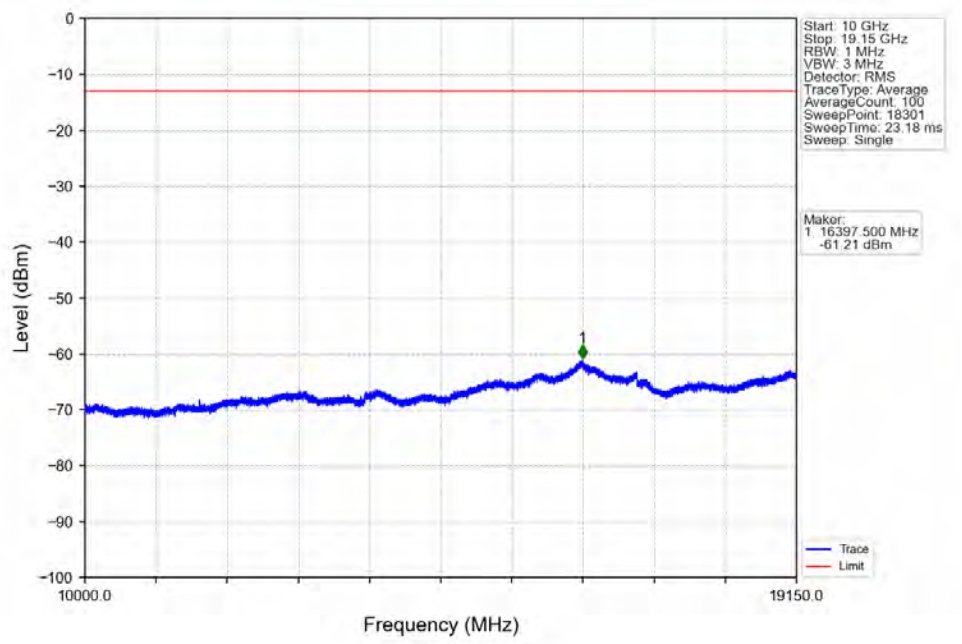
Band25_3MHz_QPSK_HCH_1913.5MHz_RB_1_0_NTNV



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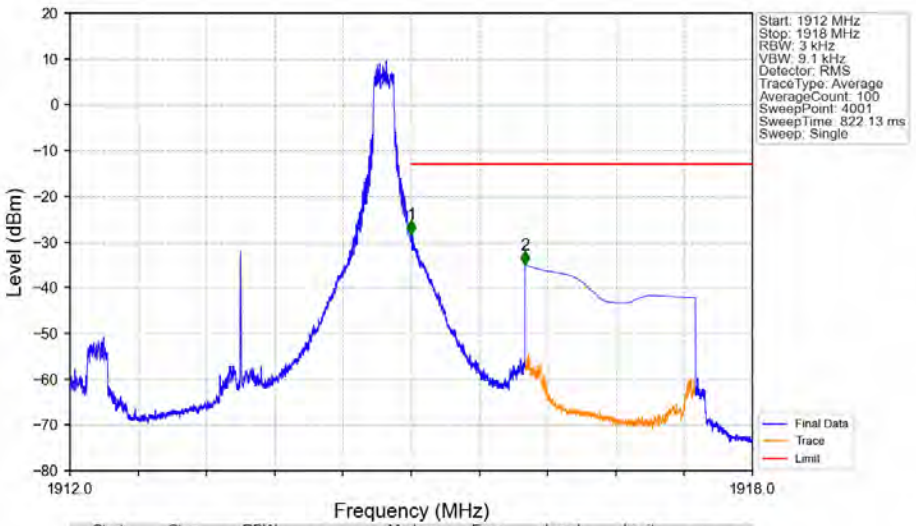
Band25_3MHz_QPSK_HCH_1913.5MHz_RB_1_14_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1912	1915	0.003	/	/	/	/	/	/
1915	1916	0.003	/	1	1915.003	-28.30	-13	Pass
1916	1918	1	CHP	2	1916.001	-34.97	-13	Pass

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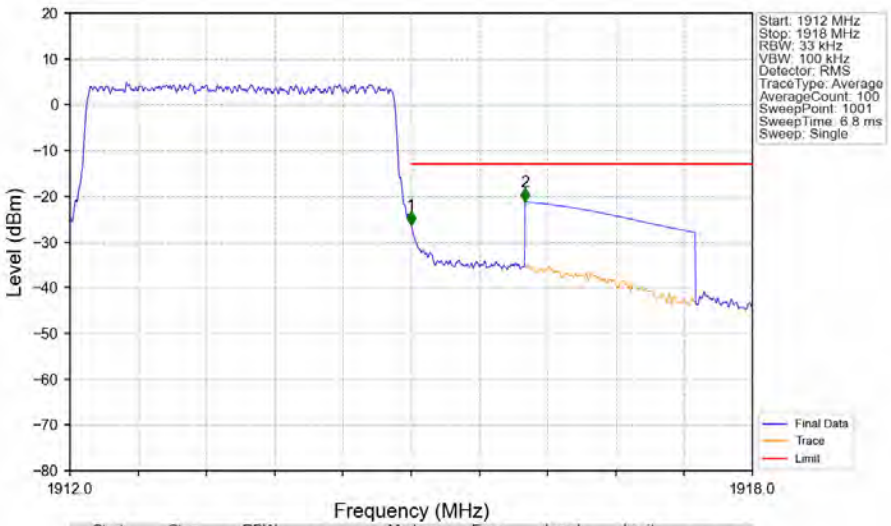
Band25_3MHz_QPSK_HCH_1913.5MHz_RB_15_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1912	1915	0.033	/	/	/	/	/	/
1915	1916	0.033	/	1	1915.000	-26.39	-13	Pass
1916	1918	1	CHP	2	1916.002	-21.26	-13	Pass

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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
	1912.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass

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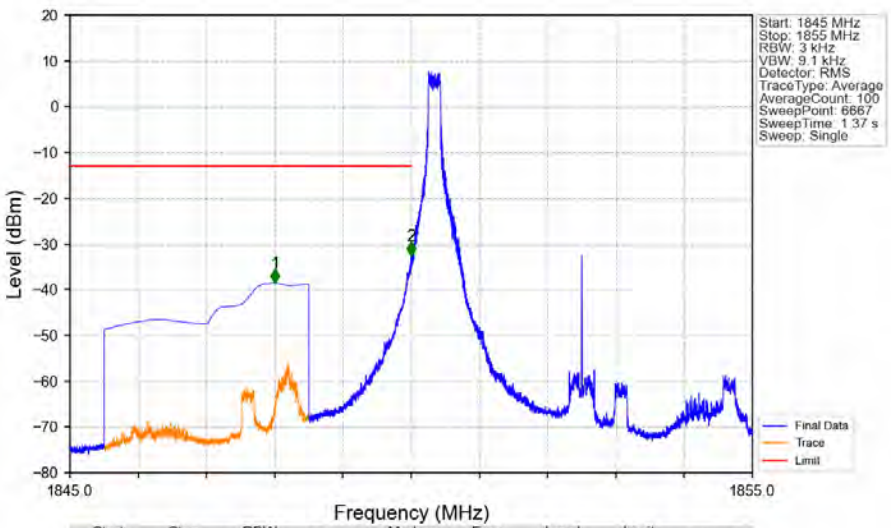
5.3.2 Test Graph

Band25_5MHz_QPSK_LCH_1852.5MHz_RB_1_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1845	1849	1	CHP	1	1848.003	-38.55	-13	Pass
1849	1850	0.003	/	2	1850.000	-32.59	-13	Pass
1850	1855	0.003	/	/	/	/	/	/

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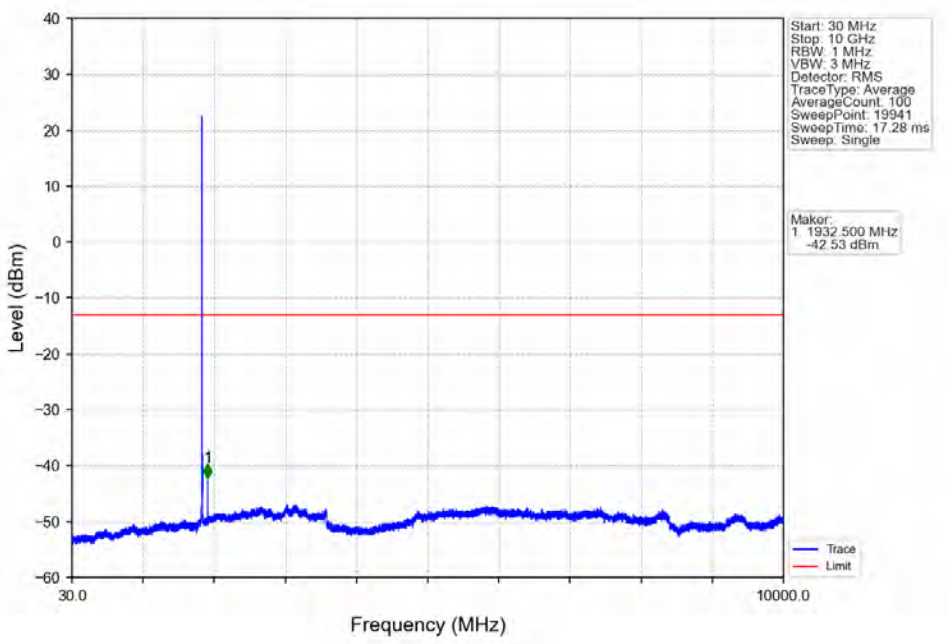
Band25_5MHz_QPSK_LCH_1852.5MHz_RB_1_0_NTNV



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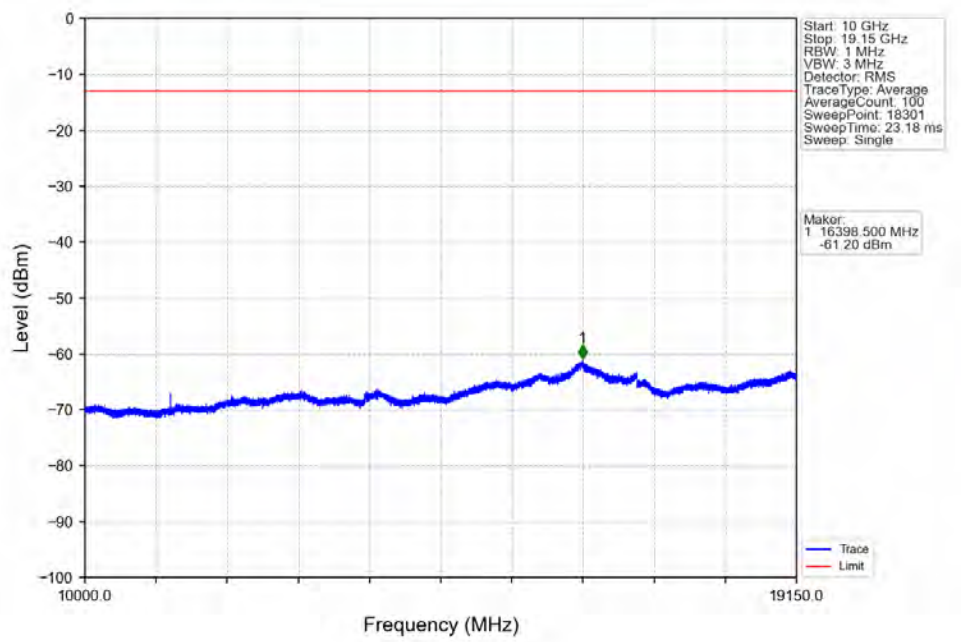

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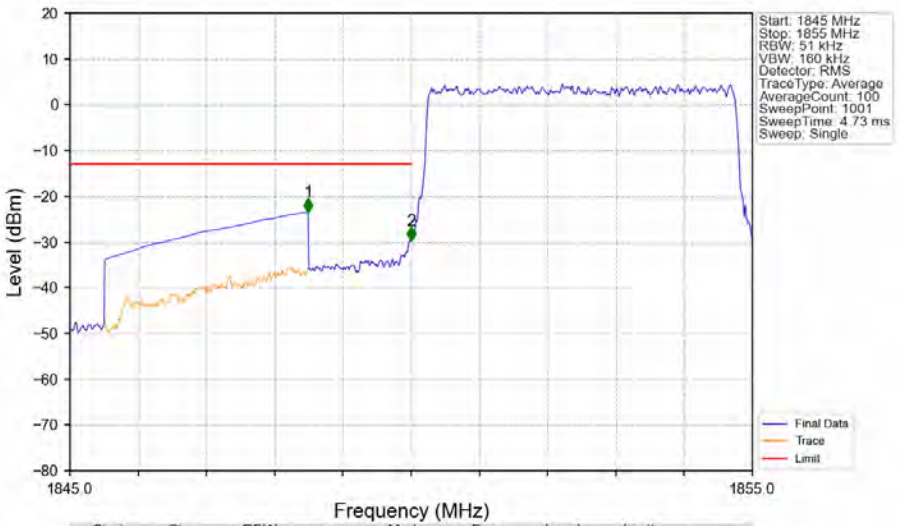
Band25_5MHz_QPSK_LCH_1852.5MHz_RB_25_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1845	1849	1	CHP	1	1848.490	-23.50	-13	Pass
1849	1850	0.051	/	2	1850.000	-29.74	-13	Pass
1850	1855	0.051	/	/	/	/	/	/

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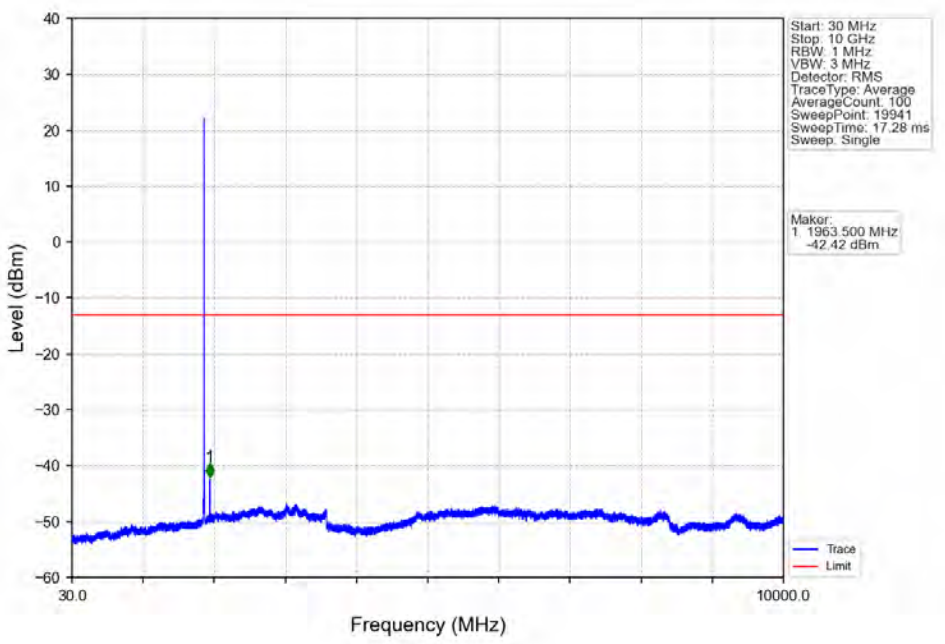
Band25_5MHz_QPSK_MCH_1882.5MHz_RB_1_0_NTNV



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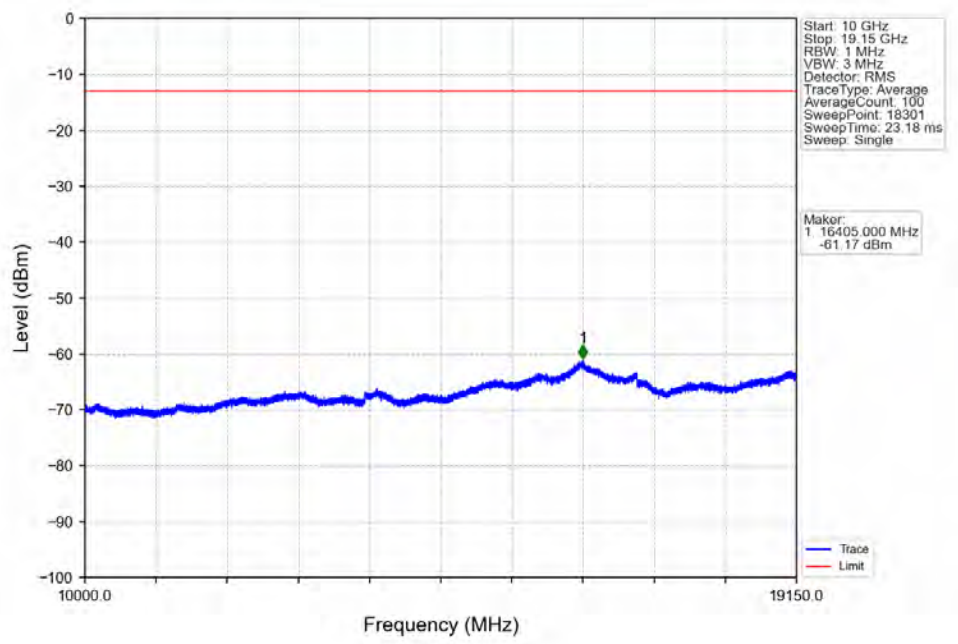
Band25_5MHz_QPSK_MCH_1882.5MHz_RB_1_0_NTNV



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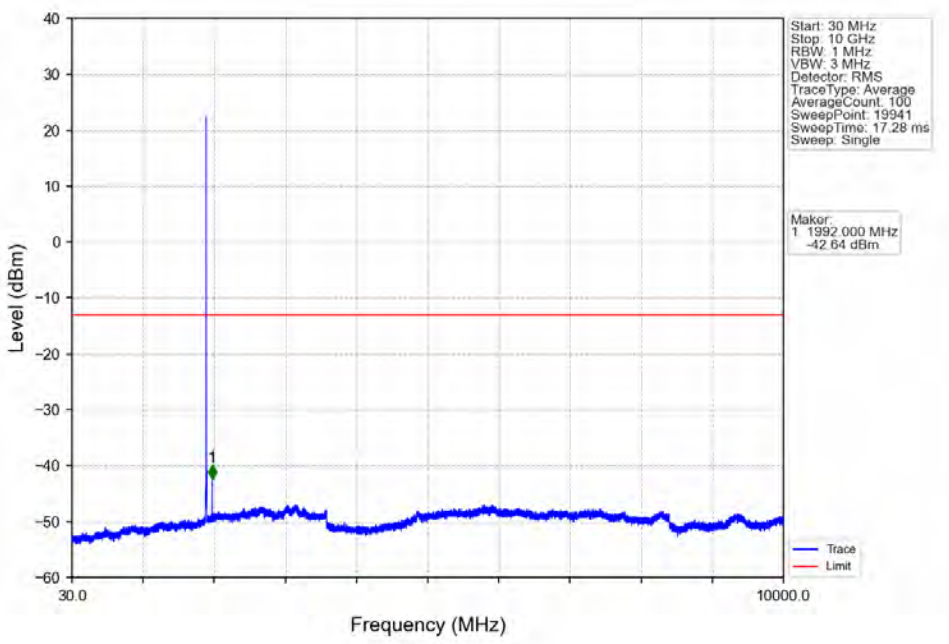
Band25_5MHz_QPSK_HCH_1912.5MHz_RB_1_0_NTNV



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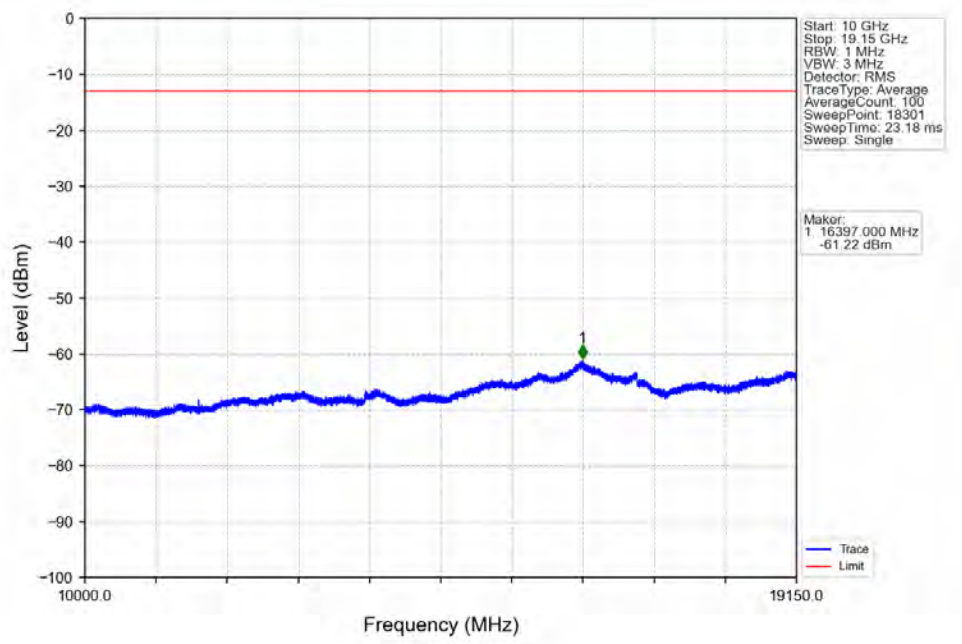
Band25_5MHz_QPSK_HCH_1912.5MHz_RB_1_0_NTNV



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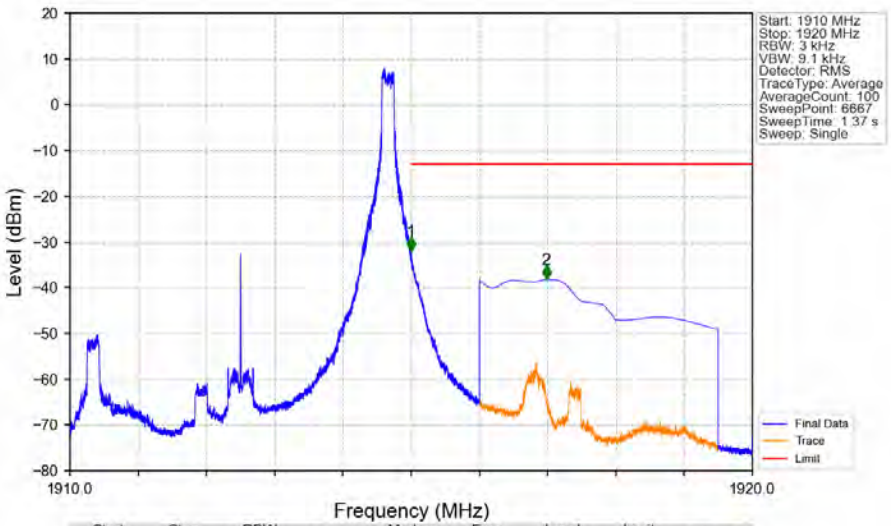
Band25_5MHz_QPSK_HCH_1912.5MHz_RB_1_24_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1910	1915	0.003	/	/	/	/	/	/
1915	1916	0.003	/	1	1915.000	-32.08	-13	Pass
1916	1920	1	CHP	2	1916.982	-38.23	-13	Pass

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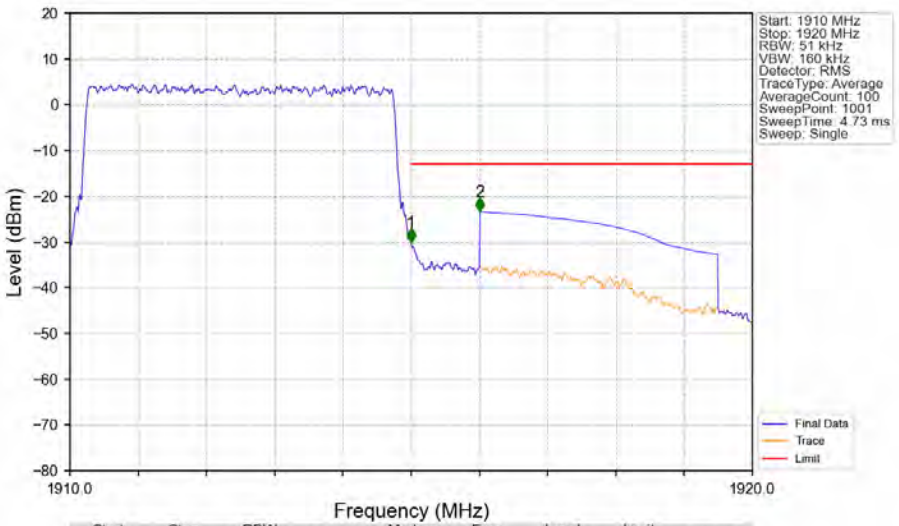
Band25_5MHz_QPSK_HCH_1912.5MHz_RB_25_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1910	1915	0.051	/	/	/	/	/	/
1915	1916	0.051	/	1	1915.000	-30.13	-13	Pass
1916	1920	1	CHP	2	1916.010	-23.33	-13	Pass

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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
	1910	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass

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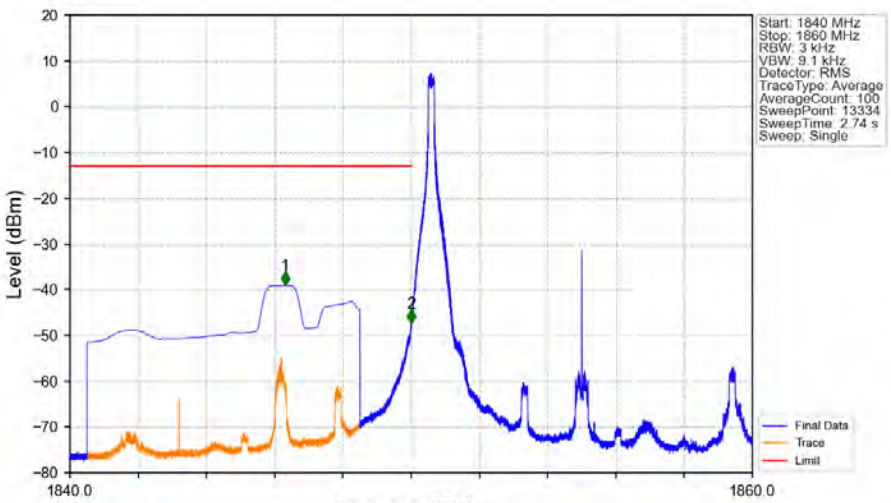
5.4.2 Test Graph

Band25_10MHz_QPSK_LCH_1855MHz_RB_1_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1840	1849	1	CHP	1	1846.302	-39.15	-13	Pass
1849	1850	0.003	/	2	1849.999	-47.32	-13	Pass
1850	1860	0.003	/	/	/	/	/	/

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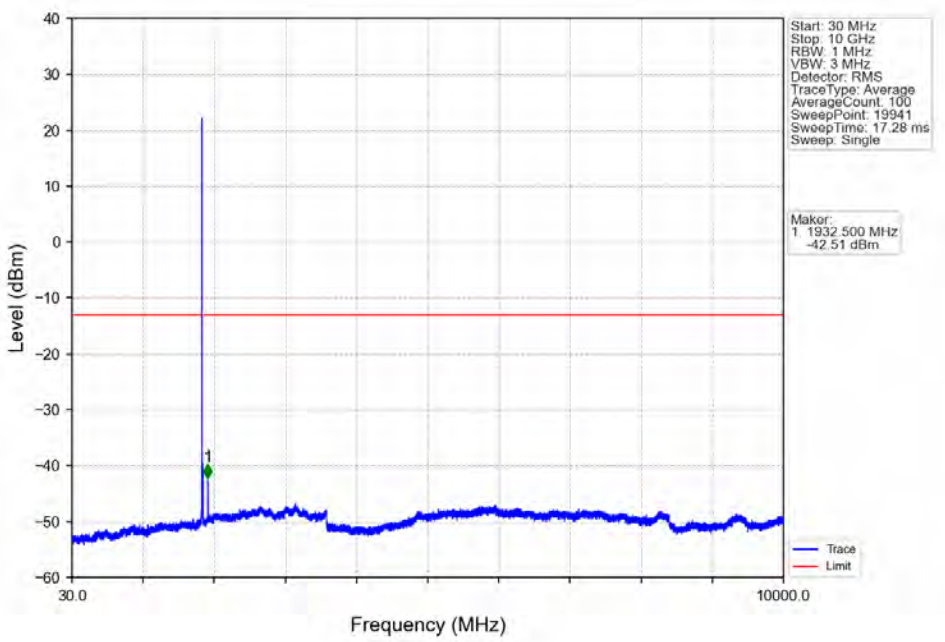
Band25_10MHz_QPSK_LCH_1855MHz_RB_1_0_NTNV



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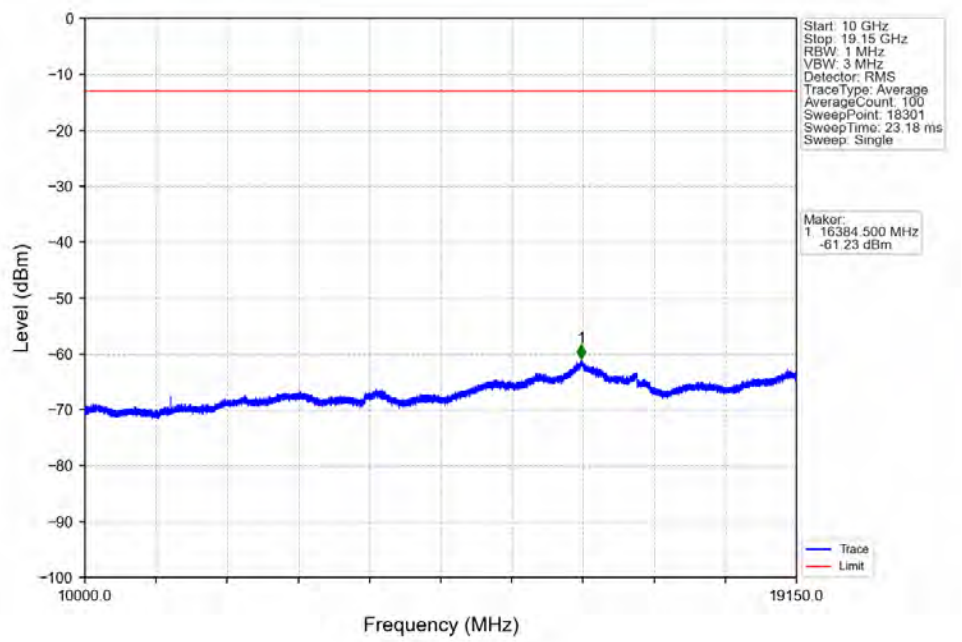
Band25_10MHz_QPSK_LCH_1855MHz_RB_1_0_NTNV



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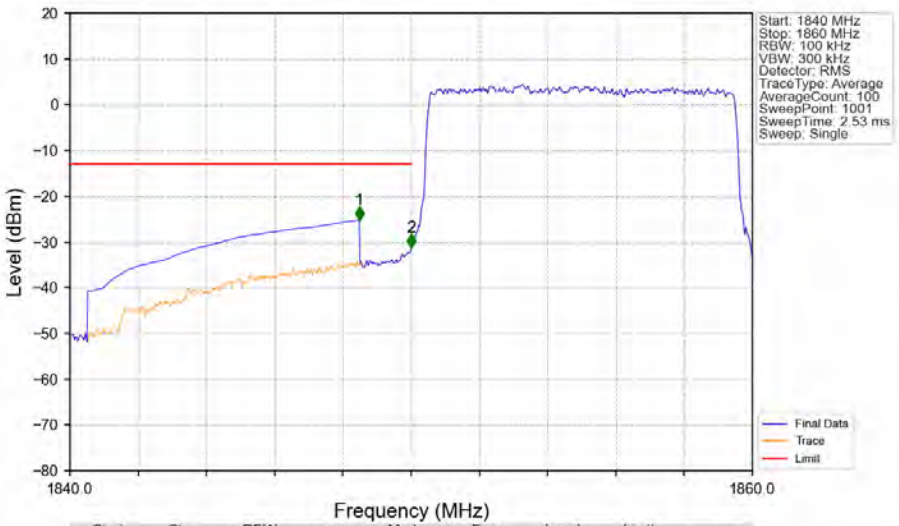
Band25_10MHz_QPSK_LCH_1855MHz_RB_50_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1840	1849	1	CHP	1	1848.480	-25.25	-13	Pass
1849	1850	0.1	/	2	1850.000	-31.25	-13	Pass
1850	1860	0.1	/	/	/	/	/	/

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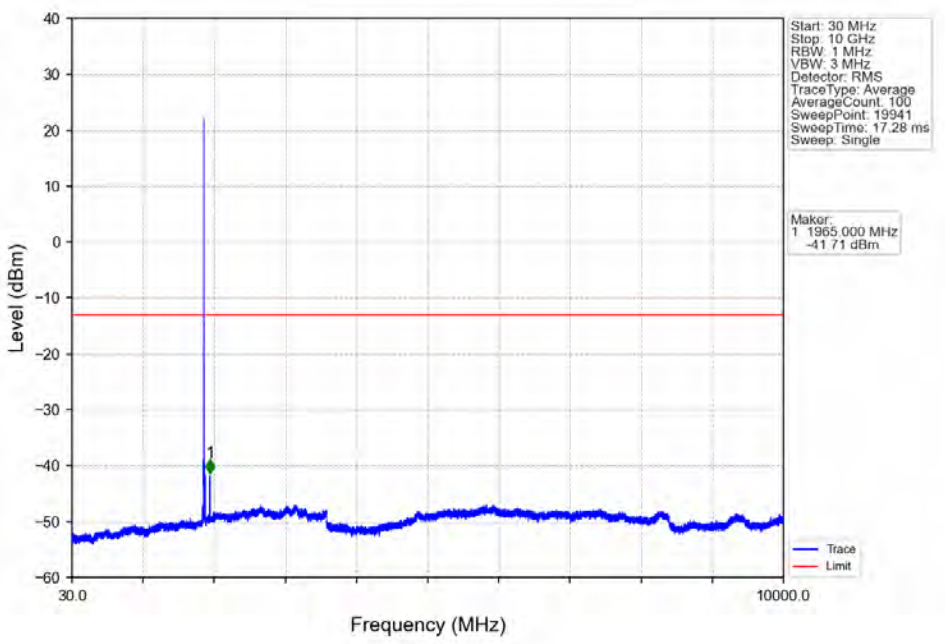
Band25_10MHz_QPSK_MCH_1882.5MHz_RB_1_0_NTNV



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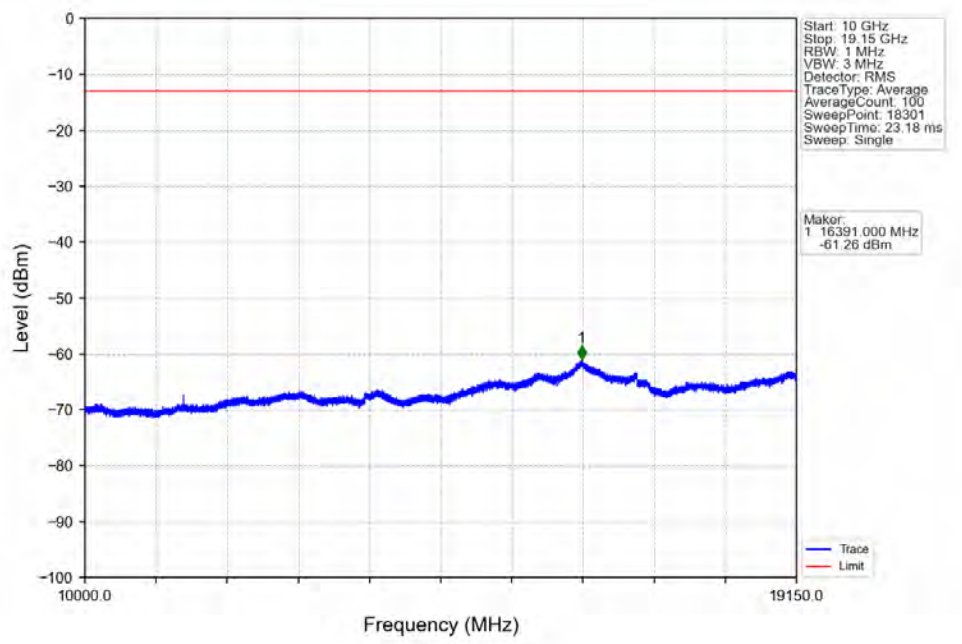
Band25_10MHz_QPSK_MCH_1882.5MHz_RB_1_0_NTNV



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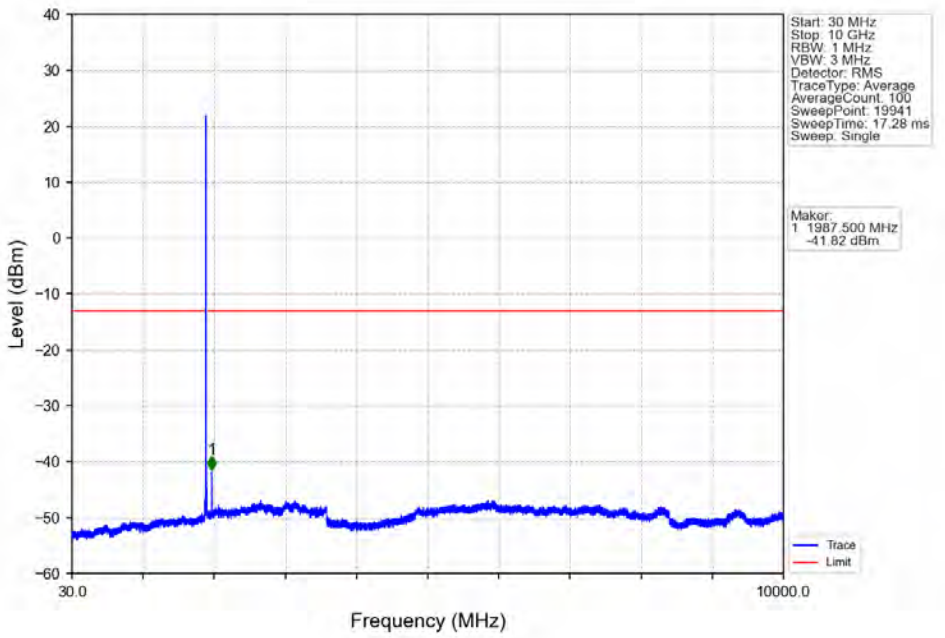

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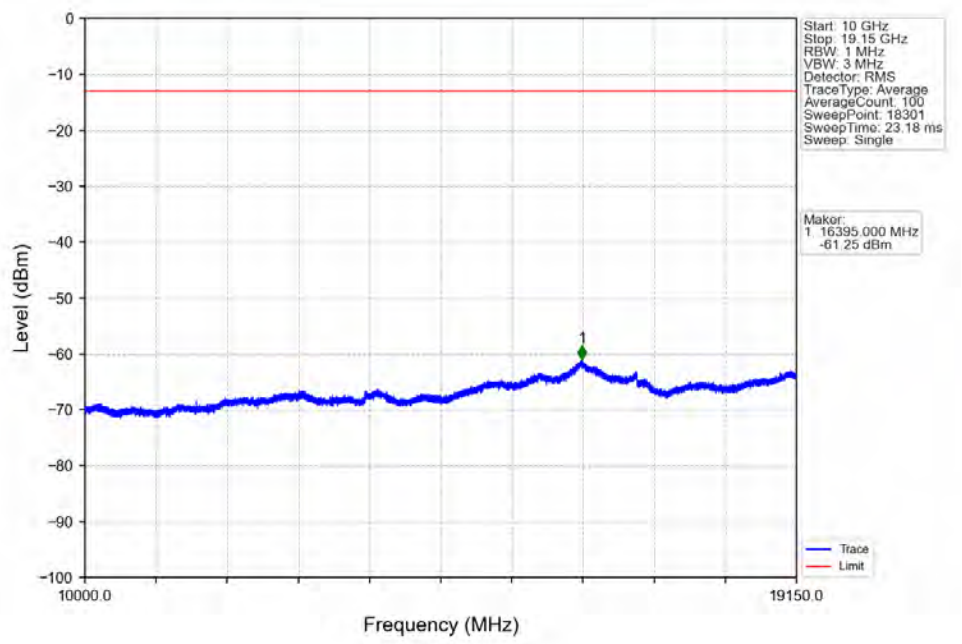

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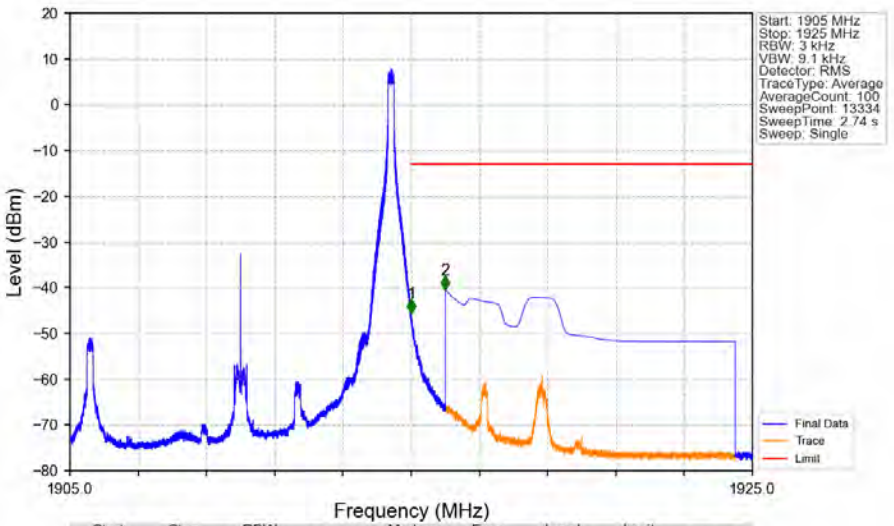
Band25_10MHz_QPSK_HCH_1910MHz_RB_1_49_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1905	1915	0.003	/	/	/	/	/	/
1915	1916	0.003	/	1	1915.002	-45.69	-13	Pass
1916	1925	1	CHP	2	1916.001	-40.44	-13	Pass

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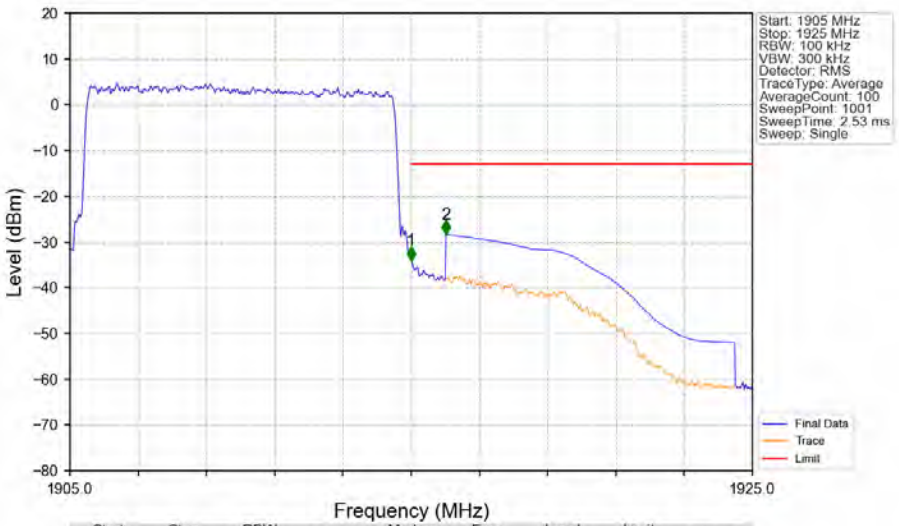
Band25_10MHz_QPSK_HCH_1910MHz_RB_50_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1905	1915	0.1	/	/	/	/	/	/
1915	1916	0.1	/	1	1915.000	-34.07	-13	Pass
1916	1925	1	CHP	2	1916.020	-28.32	-13	Pass

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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
	1907.5	1	0	Refer To Test Graph		Pass
			74	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass

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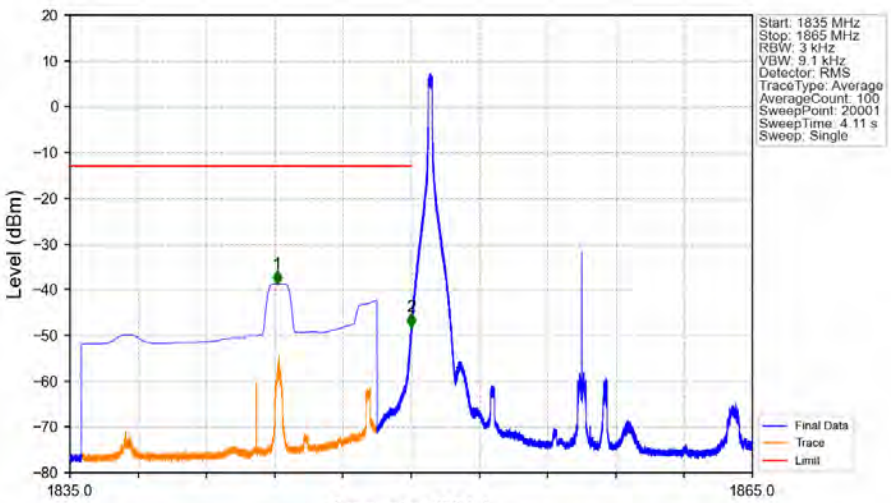
5.5.2 Test Graph

Band25_15MHz_QPSK_LCH_1857.5MHz_RB_1_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1835	1849	1	CHP	1	1844.098	-38.82	-13	Pass
1849	1850	0.003	/	2	1849.995	-48.20	-13	Pass
1850	1865	0.003	/	/	/	/	/	/

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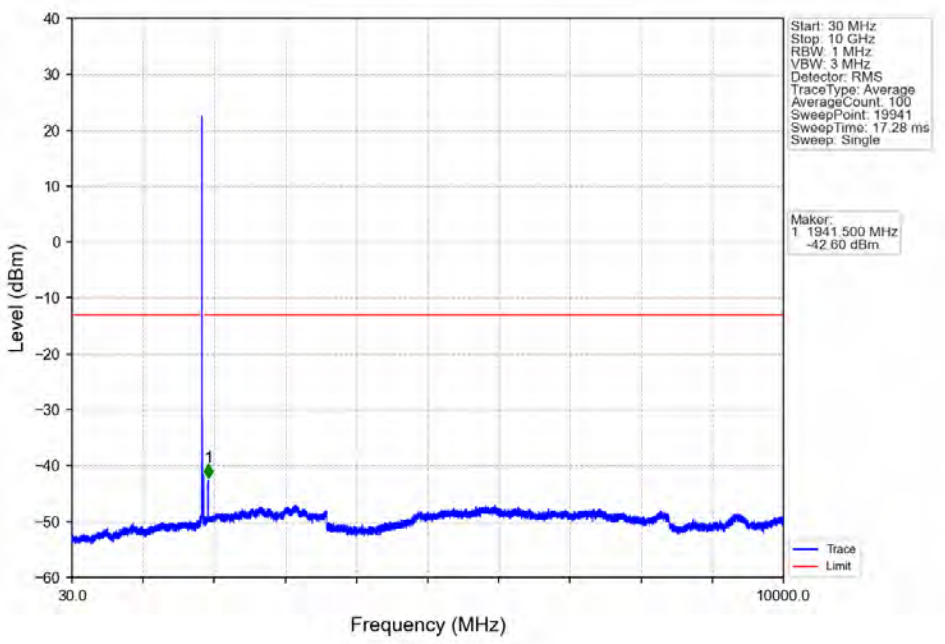
Band25_15MHz_QPSK_LCH_1857.5MHz_RB_1_0_NTNV



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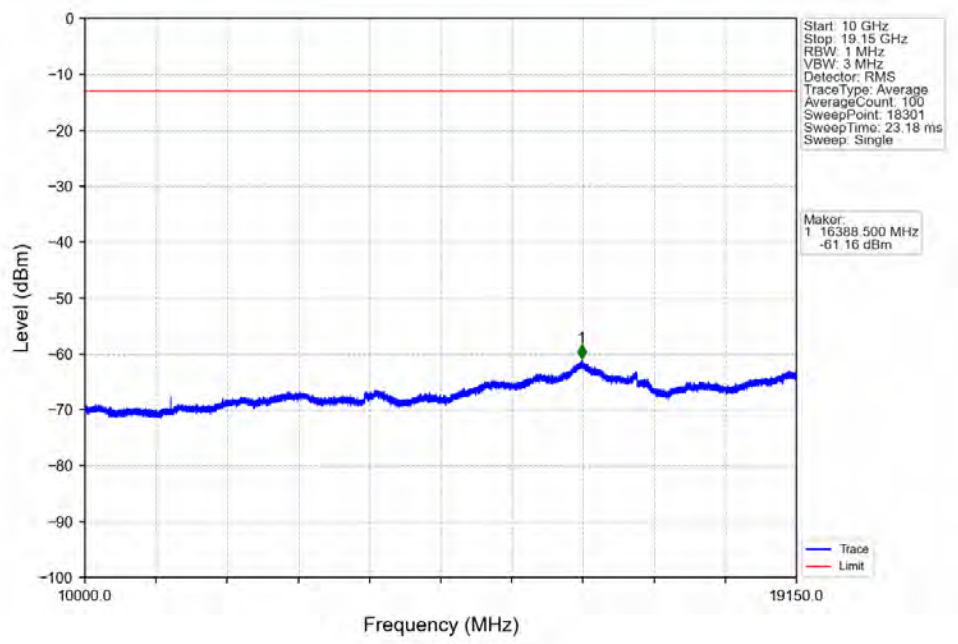
Band25_15MHz_QPSK_LCH_1857.5MHz_RB_1_0_NTNV



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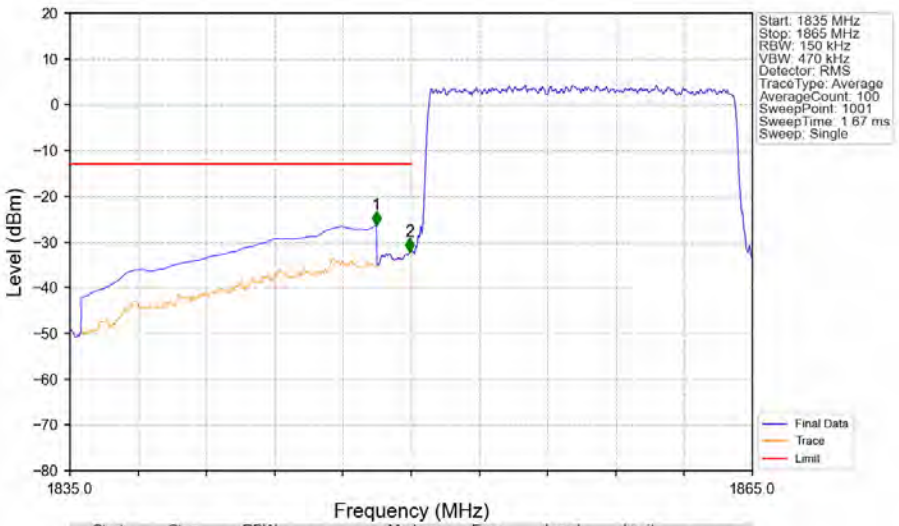
Band25_15MHz_QPSK_LCH_1857.5MHz_RB_75_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1835	1849	1	CHP	1	1848.470	-26.31	-13	Pass
1849	1850	0.15	/	2	1849.940	-32.12	-13	Pass
1850	1865	0.15	/	/	/	/	/	/

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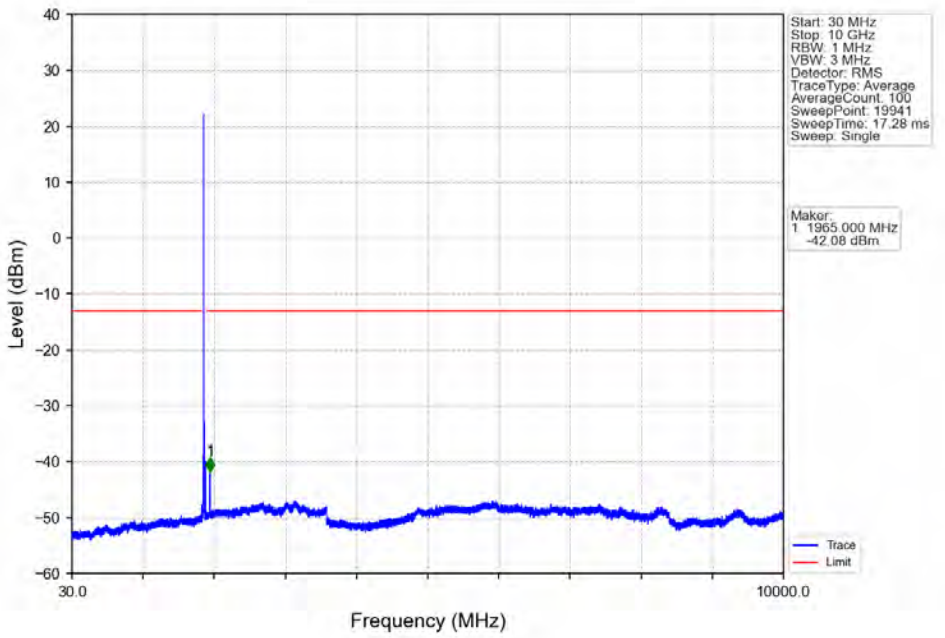
Band25_15MHz_QPSK_MCH_1882.5MHz_RB_1_0_NTNV



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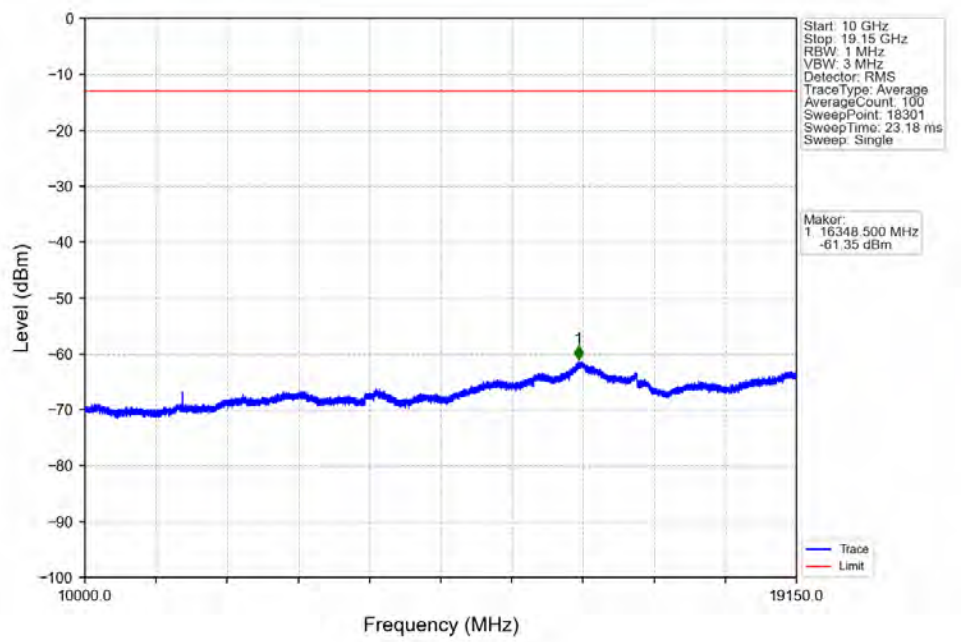

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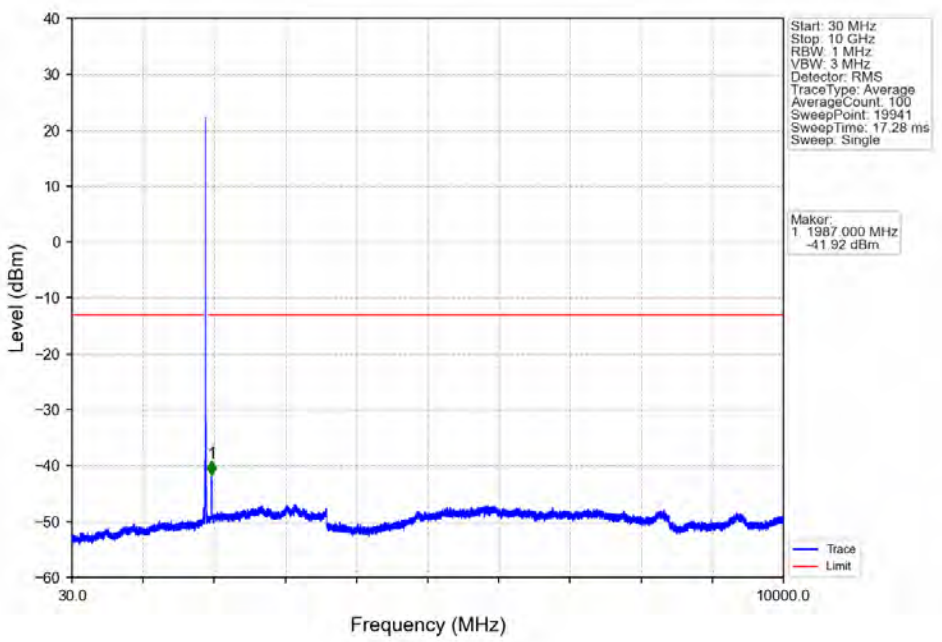
Band25_15MHz_QPSK_HCH_1907.5MHz_RB_1_0_NTNV



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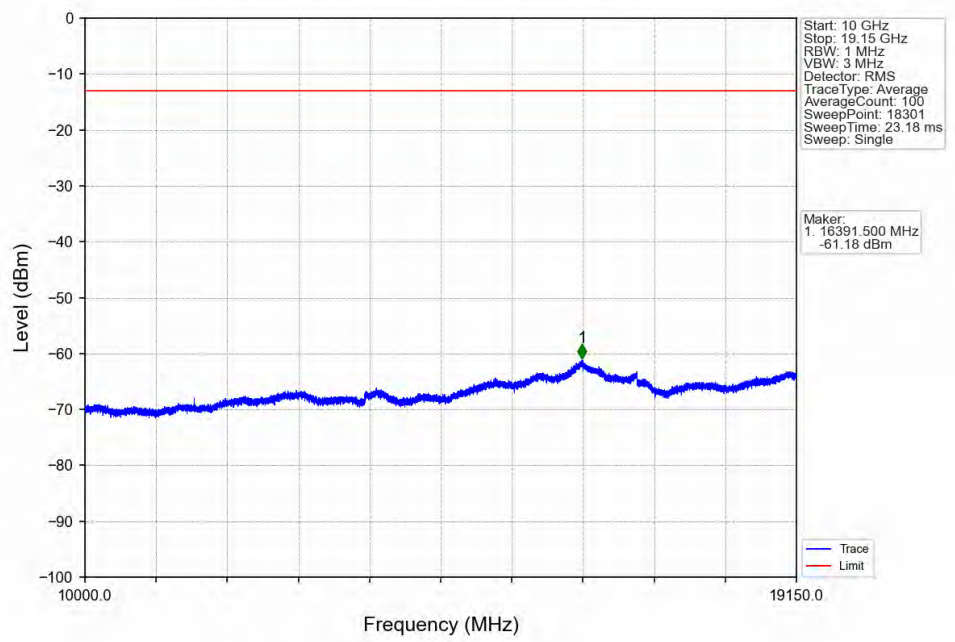
Band25_15MHz_QPSK_HCH_1907.5MHz_RB_1_0_NTNV



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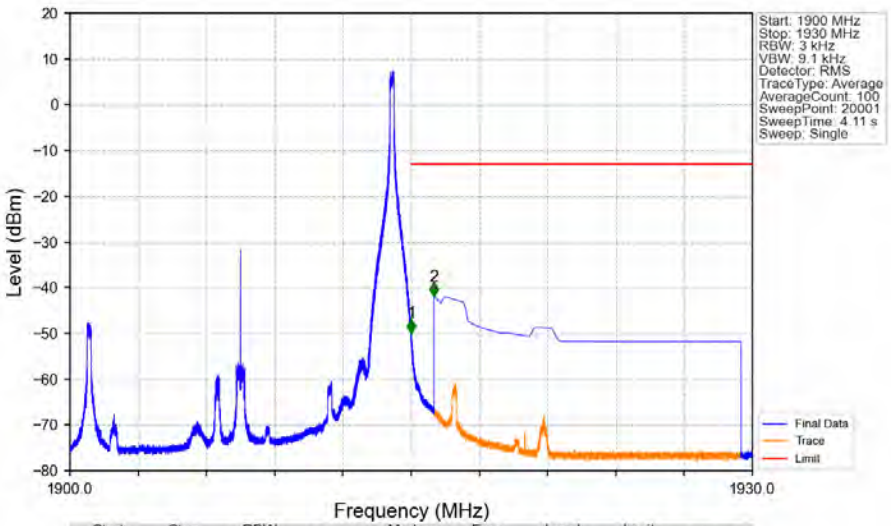
Band25_15MHz_QPSK_HCH_1907.5MHz_RB_1_74_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1900	1915	0.003	/	/	/	/	/	/
1915	1916	0.003	/	1	1915.003	-49.93	-13	Pass
1916	1930	1	CHP	2	1916.001	-41.88	-13	Pass

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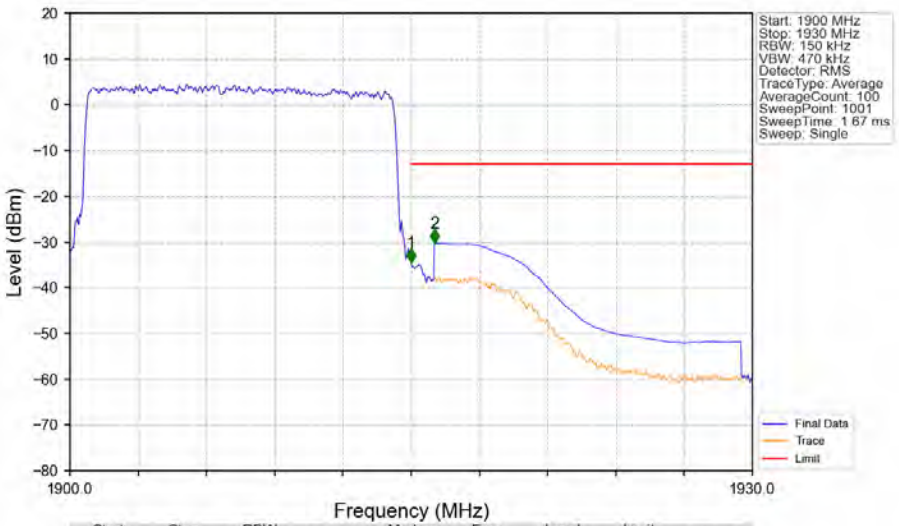
Band25_15MHz_QPSK_HCH_1907.5MHz_RB_75_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1900	1915	0.15	/	/	/	/	/	/
1915	1916	0.15	/	1	1915.000	-34.54	-13	Pass
1916	1930	1	CHP	2	1916.020	-30.26	-13	Pass

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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
	1905	1	0	Refer To Test Graph		Pass
			99	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass

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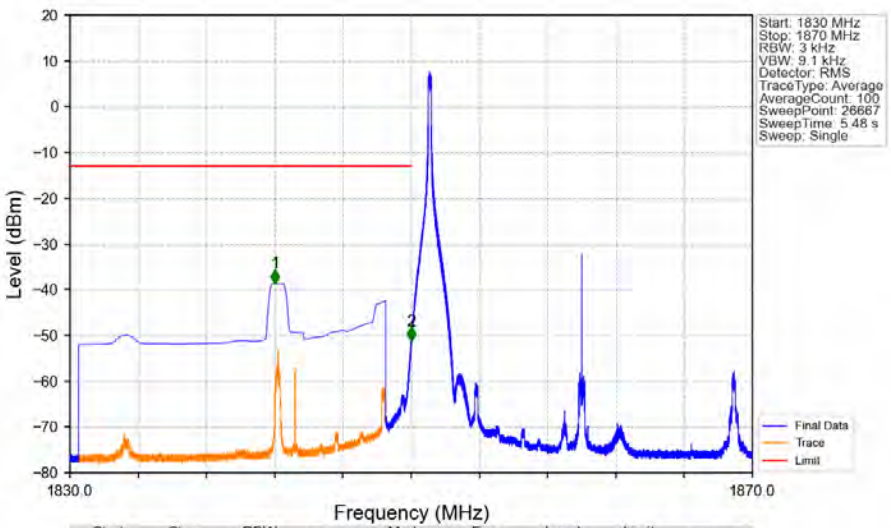
5.6.2 Test Graph

Band25_20MHz_QPSK_LCH_1860MHz_RB_1_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1830	1849	1	CHP	1	1842.027	-38.67	-13	Pass
1849	1850	0.003	/	2	1849.998	-51.28	-13	Pass
1850	1870	0.003	/	/	/	/	/	/

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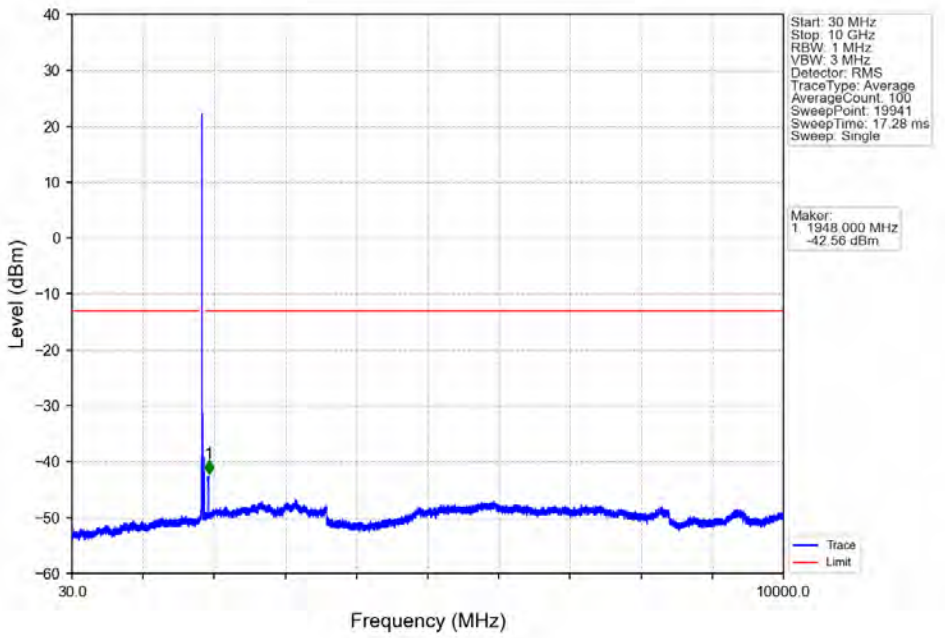

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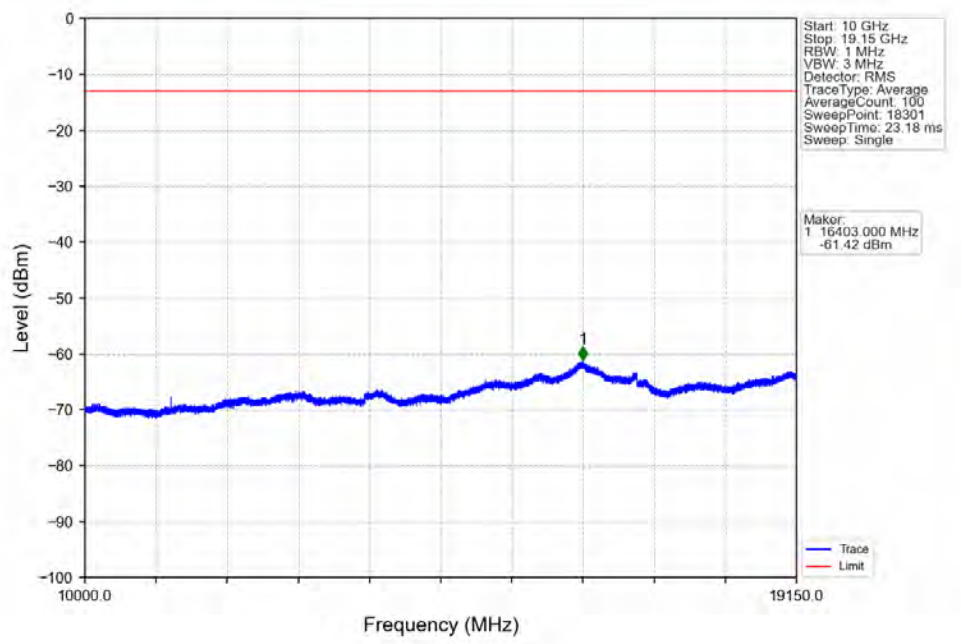

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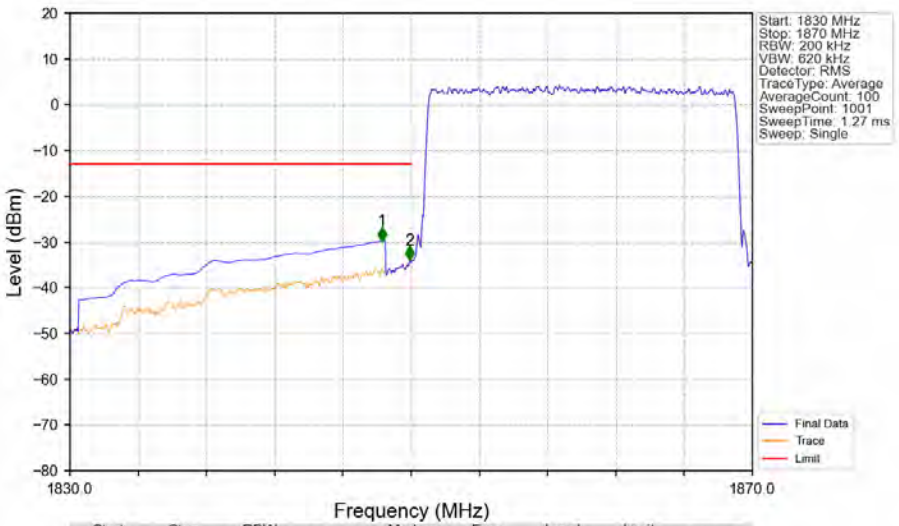

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1830	1849	1	CHP	1	1848.280	-29.82	-13	Pass
1849	1850	0.2	/	2	1849.920	-33.96	-13	Pass
1850	1870	0.2	/	/	/	/	/	/

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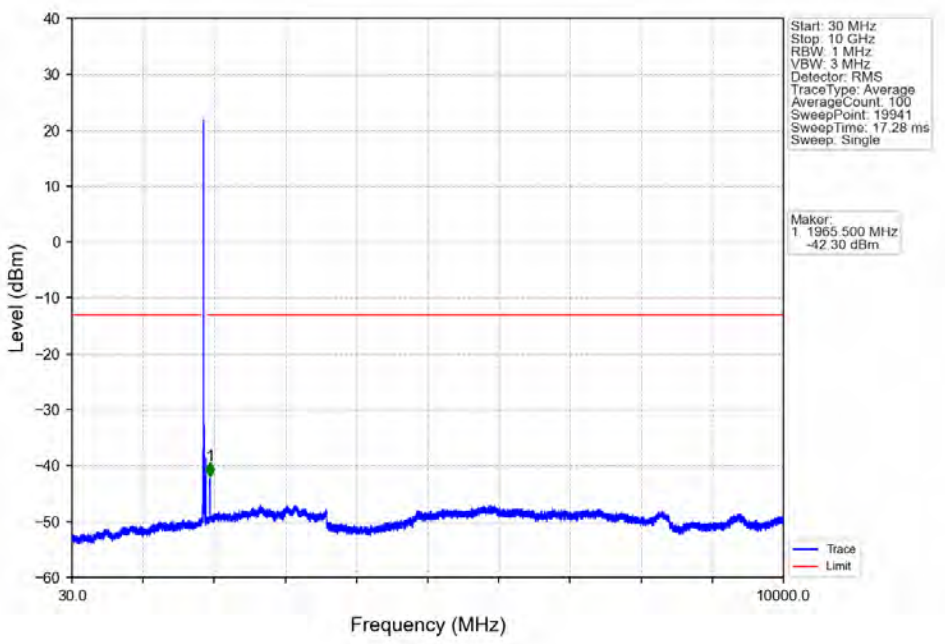

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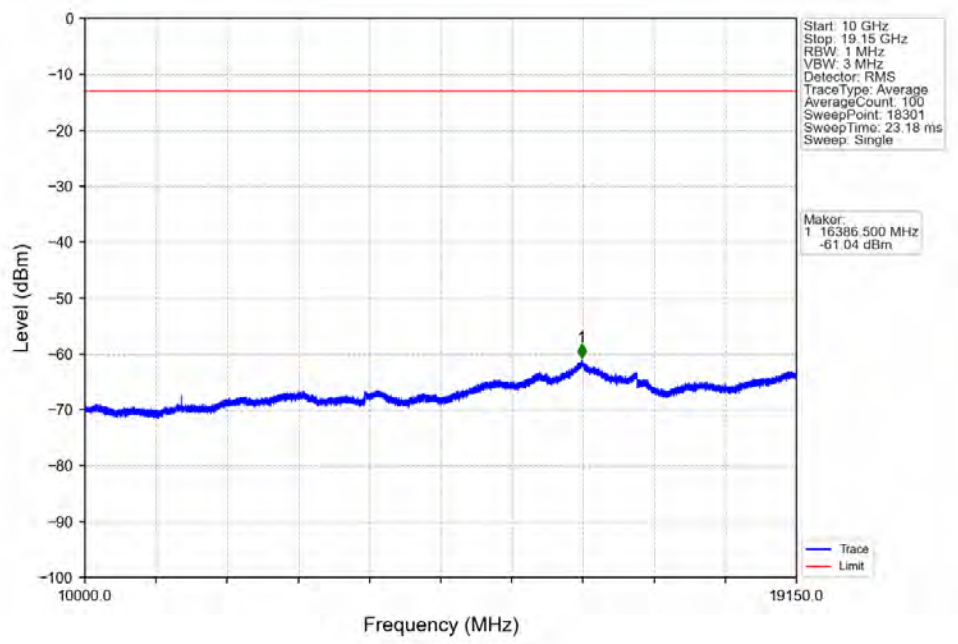
Band25_20MHz_QPSK_MCH_1882.5MHz_RB_1_0_NTNV



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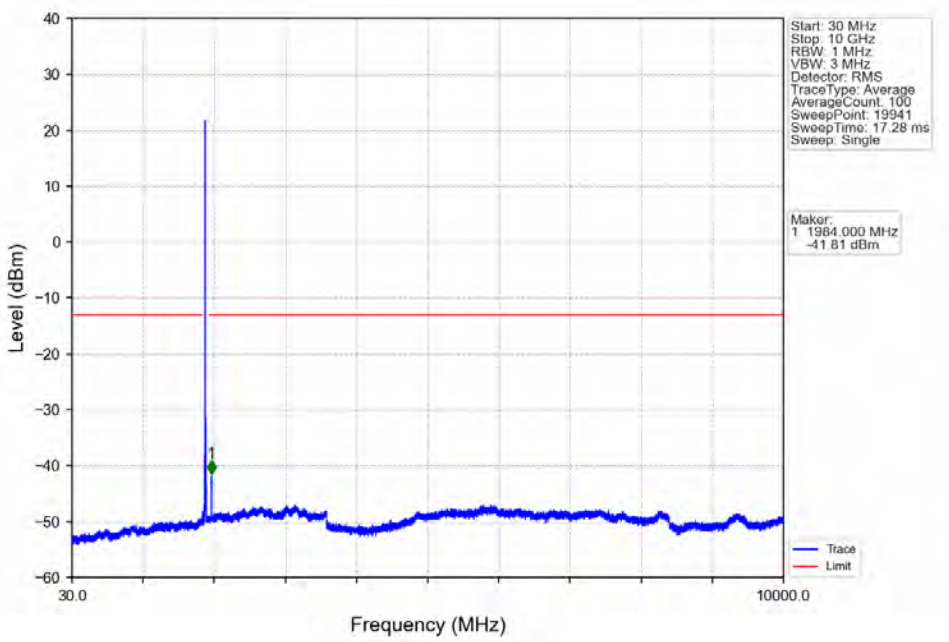
Band25_20MHz_QPSK_HCH_1905MHz_RB_1_0_NTNV



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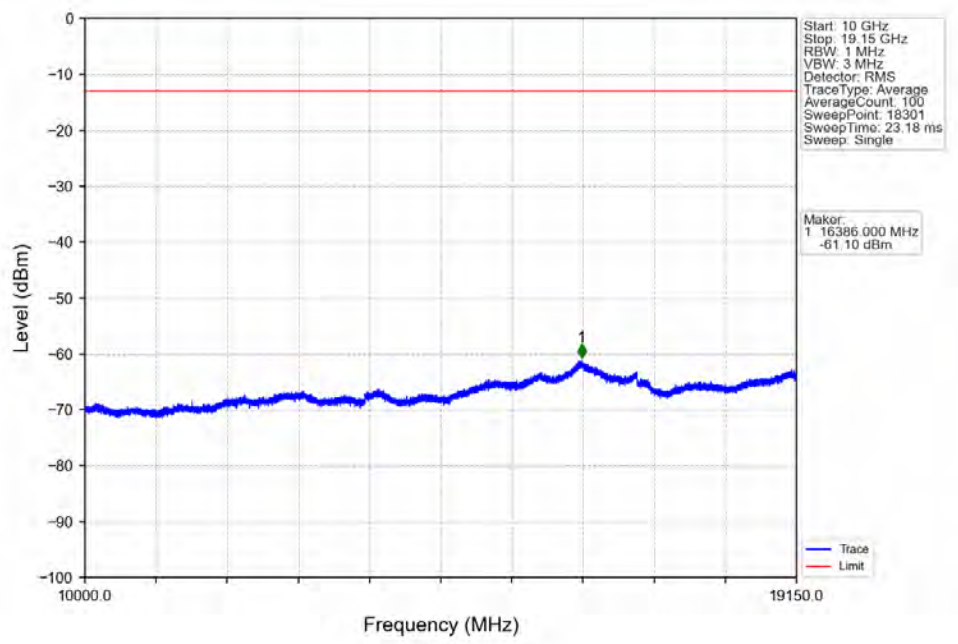
Band25_20MHz_QPSK_HCH_1905MHz_RB_1_0_NTNV



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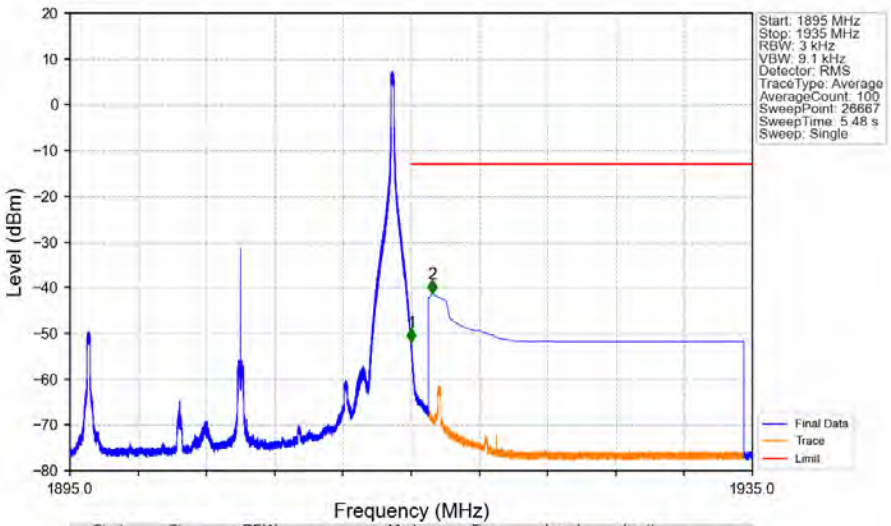

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1895	1915	0.003	/	/	/	/	/	/
1915	1916	0.003	/	1	1915.003	-51.93	-13	Pass
1916	1935	1	CHP	2	1916.235	-41.36	-13	Pass

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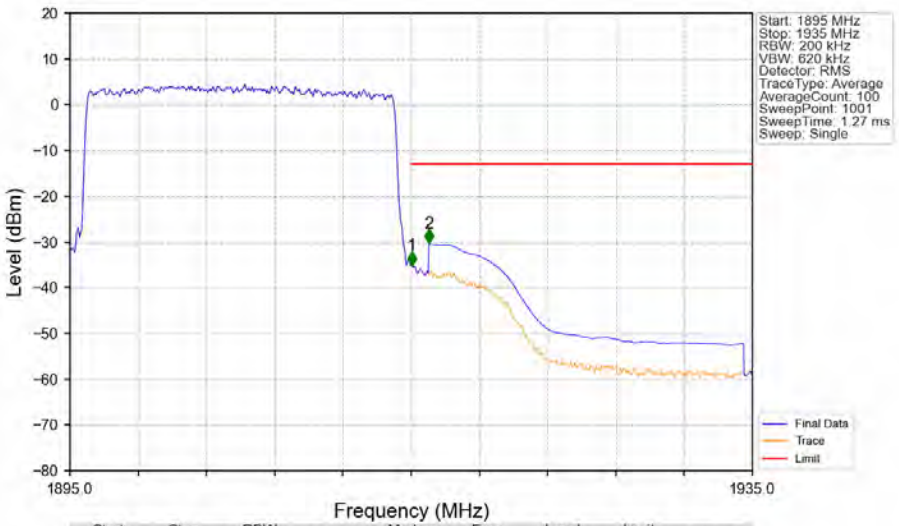
Band25_20MHz_QPSK_HCH_1905MHz_RB_100_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1895	1915	0.2	/	/	/	/	/	/
1915	1916	0.2	/	1	1915.040	-35.15	-13	Pass
1916	1935	1	CHP	2	1916.040	-30.33	-13	Pass

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6. Field Strength of Spurious Radiation

Test Band = LTE Band 25_ TM1
Test Channel = Low Channel

Final Data List								
NO.	Frequency [MHz]	Reading [dBµV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3702.18	36.07	-43.01	30.29	-71.91	-13.00	58.91	Horizontal
2	5553.27	34.07	-40.67	33.28	-68.58	-13.00	55.58	Horizontal
3	7404.36	33.30	-37.88	36.49	-63.36	-13.00	50.36	Horizontal
4	9255.45	30.61	-34.28	37.68	-61.25	-13.00	48.25	Horizontal
5	11106.54	29.75	-30.26	38.40	-57.37	-13.00	44.37	Horizontal
6	12957.63	30.03	-29.72	39.55	-55.40	-13.00	42.40	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBµV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3702.18	34.27	-43.01	30.29	-73.71	-13.00	60.71	Vertical
2	5553.27	33.57	-40.67	33.28	-69.08	-13.00	56.08	Vertical
3	7404.36	33.57	-37.88	36.49	-63.09	-13.00	50.09	Vertical
4	9255.45	29.38	-34.28	37.68	-62.48	-13.00	49.48	Vertical
5	11106.54	29.76	-30.26	38.40	-57.36	-13.00	44.36	Vertical
6	12957.63	30.31	-29.72	39.55	-55.12	-13.00	42.12	Vertical

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Test Band = LTE Band 25_ TM1
Test Channel = Mid Channel

Final Data List								
NO.	Frequency [MHz]	Reading [dBµV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3742.18	37.46	-42.96	30.42	-70.34	-13.00	57.34	Horizontal
2	5613.27	34.75	-40.69	33.49	-67.71	-13.00	54.71	Horizontal
3	7484.36	32.81	-37.80	36.58	-63.66	-13.00	50.66	Horizontal
4	9355.45	30.16	-33.93	37.71	-61.33	-13.00	48.33	Horizontal
5	11226.54	29.54	-30.19	38.40	-57.51	-13.00	44.51	Horizontal
6	13097.63	28.96	-29.42	39.67	-56.05	-13.00	43.05	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBµV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3742.18	34.57	-42.96	30.42	-73.23	-13.00	60.23	Vertical
2	5613.27	33.65	-40.69	33.49	-68.81	-13.00	55.81	Vertical
3	7484.36	33.20	-37.80	36.58	-63.27	-13.00	50.27	Vertical
4	9355.45	30.58	-33.93	37.71	-60.91	-13.00	47.91	Vertical
5	11226.54	29.02	-30.19	38.40	-58.03	-13.00	45.03	Vertical
6	13097.63	28.40	-29.42	39.67	-56.61	-13.00	43.61	Vertical

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Test Band = LTE Band 25_ TM1
Test Channel = High Channel

Final Data List								
NO.	Frequency [MHz]	Reading [dBµV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3792.18	35.20	-42.91	30.60	-72.37	-13.00	59.37	Horizontal
2	5688.27	34.43	-40.52	33.74	-67.60	-13.00	54.60	Horizontal
3	7584.36	32.91	-37.73	36.68	-63.39	-13.00	50.39	Horizontal
4	9480.45	32.70	-33.85	37.74	-58.67	-13.00	45.67	Horizontal
5	11376.54	29.58	-30.29	38.40	-57.57	-13.00	44.57	Horizontal
6	13272.63	28.96	-29.59	39.79	-56.09	-13.00	43.09	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBµV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3792.18	35.06	-42.91	30.60	-72.51	-13.00	59.51	Vertical
2	5688.27	33.39	-40.52	33.74	-68.64	-13.00	55.64	Vertical
3	7584.36	33.15	-37.73	36.68	-63.15	-13.00	50.15	Vertical
4	9480.45	32.03	-33.85	37.74	-59.34	-13.00	46.34	Vertical
5	11376.54	28.64	-30.29	38.40	-58.51	-13.00	45.51	Vertical
6	13272.63	29.80	-29.59	39.79	-55.25	-13.00	42.25	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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