

Appendix B.4

LTE Band 2



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1. Effective (Isotropic) Radiated Power Output Data

1.1 B2_1.4MHz_EIRP (NPANT001)

1.1.1 Test Result

Band: 2 / 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	23.90	3.87	27.77	<=33.00	Pass	
			2	23.99	3.87	27.86	<=33.00	Pass	
			5	23.96	3.87	27.83	<=33.00	Pass	
		3	0	23.91	3.87	27.78	<=33.00	Pass	
			2	23.96	3.87	27.83	<=33.00	Pass	
			3	23.91	3.87	27.78	<=33.00	Pass	
	6	0	22.98	3.87	26.85	<=33.00	Pass		
		1880	1	0	23.71	3.87	27.58	<=33.00	Pass
				2	23.76	3.87	27.63	<=33.00	Pass
	5			23.71	3.87	27.58	<=33.00	Pass	
	3	0	23.67	3.87	27.54	<=33.00	Pass		
		2	23.74	3.87	27.61	<=33.00	Pass		
		3	23.68	3.87	27.55	<=33.00	Pass		
	6	0	22.73	3.87	26.60	<=33.00	Pass		
		1909.3	1	0	23.54	3.87	27.41	<=33.00	Pass
				2	23.60	3.87	27.47	<=33.00	Pass
	5			23.55	3.87	27.42	<=33.00	Pass	
	3	0	23.64	3.87	27.51	<=33.00	Pass		
		2	23.71	3.87	27.58	<=33.00	Pass		
		3	23.61	3.87	27.48	<=33.00	Pass		
	6	0	22.66	3.87	26.53	<=33.00	Pass		
		1850.7	1	0	23.06	3.87	26.93	<=33.00	Pass
				2	23.12	3.87	26.99	<=33.00	Pass
	5			23.07	3.87	26.94	<=33.00	Pass	
3	0		22.90	3.87	26.77	<=33.00	Pass		
	2		22.95	3.87	26.82	<=33.00	Pass		
	3		22.91	3.87	26.78	<=33.00	Pass		
6	0	22.00	3.87	25.87	<=33.00	Pass			
	1880	1	0	22.70	3.87	26.57	<=33.00	Pass	
			2	22.81	3.87	26.68	<=33.00	Pass	
5			22.72	3.87	26.59	<=33.00	Pass		
3		0	22.76	3.87	26.63	<=33.00	Pass		
		2	22.82	3.87	26.69	<=33.00	Pass		
		3	22.78	3.87	26.65	<=33.00	Pass		
6	0	21.67	3.87	25.54	<=33.00	Pass			
	1909.3	1	0	22.60	3.87	26.47	<=33.00	Pass	
			2	22.66	3.87	26.53	<=33.00	Pass	
5			22.57	3.87	26.44	<=33.00	Pass		
3		0	22.80	3.87	26.67	<=33.00	Pass		
		2	22.91	3.87	26.78	<=33.00	Pass		



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		3	22.86	3.87	26.73	<=33.00	Pass
	6	0	21.72	3.87	25.59	<=33.00	Pass

Note1: EIRP=Conducted Power+Antenna Gain



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1.2 B2_3MHz_EIRP

1.2.1 Test Result

Band: 2 / Bandwidth: 3MHz / NTNV									
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict	
		Size	Offset			Result	Limit		
QPSK	1851.5	1	0	23.96	3.87	27.83	<=33.00	Pass	
			7	24.06	3.87	27.93	<=33.00	Pass	
			14	23.96	3.87	27.83	<=33.00	Pass	
		8	0	23.06	3.87	26.93	<=33.00	Pass	
			4	23.10	3.87	26.97	<=33.00	Pass	
			7	23.07	3.87	26.94	<=33.00	Pass	
		15	0	23.08	3.87	26.95	<=33.00	Pass	
			1	0	23.75	3.87	27.62	<=33.00	Pass
				7	23.85	3.87	27.72	<=33.00	Pass
	14	23.70		3.87	27.57	<=33.00	Pass		
	1880	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	22.83	3.87	26.70	<=33.00	Pass	
			1	0	23.63	3.87	27.50	<=33.00	Pass
				7	23.76	3.87	27.63	<=33.00	Pass
		14		23.64	3.87	27.51	<=33.00	Pass	
		1908.5	8	0	22.73	3.87	26.60	<=33.00	Pass
				4	22.73	3.87	26.60	<=33.00	Pass
	7			22.72	3.87	26.59	<=33.00	Pass	
	15		0	22.73	3.87	26.60	<=33.00	Pass	
			1	0	23.48	3.87	27.35	<=33.00	Pass
				7	23.60	3.87	27.47	<=33.00	Pass
	14	23.47		3.87	27.34	<=33.00	Pass		
16QAM	1851.5	8	0	22.22	3.87	26.09	<=33.00	Pass	
			4	22.23	3.87	26.10	<=33.00	Pass	
			7	22.20	3.87	26.07	<=33.00	Pass	
		15	0	22.13	3.87	26.00	<=33.00	Pass	
			1	0	22.91	3.87	26.78	<=33.00	Pass
				7	23.01	3.87	26.88	<=33.00	Pass
		14		22.86	3.87	26.73	<=33.00	Pass	
		1880	8	0	21.79	3.87	25.66	<=33.00	Pass
				4	21.83	3.87	25.70	<=33.00	Pass
	7			21.78	3.87	25.65	<=33.00	Pass	
	15		0	21.79	3.87	25.66	<=33.00	Pass	
			1	0	22.69	3.87	26.56	<=33.00	Pass
				7	22.76	3.87	26.63	<=33.00	Pass
	14	22.65		3.87	26.52	<=33.00	Pass		
	1908.5	8	0	21.76	3.87	25.63	<=33.00	Pass	
			4	21.82	3.87	25.69	<=33.00	Pass	
			7	21.78	3.87	25.65	<=33.00	Pass	
		15	0	21.80	3.87	25.67	<=33.00	Pass	



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Note1: EIRP=Conducted Power+Antenna Gain



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1.3 B2_5MHz_EIRP

1.3.1 Test Result

Band: 2 / Bandwidth: 5MHz / NTNV									
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict	
		Size	Offset			Result	Limit		
QPSK	1852.5	1	0	24.02	3.87	27.89	<=33.00	Pass	
			13	24.12	3.87	27.99	<=33.00	Pass	
			24	24.07	3.87	27.94	<=33.00	Pass	
		12	0	23.07	3.87	26.94	<=33.00	Pass	
			6	23.09	3.87	26.96	<=33.00	Pass	
			13	23.06	3.87	26.93	<=33.00	Pass	
		25	0	23.09	3.87	26.96	<=33.00	Pass	
			1	0	23.79	3.87	27.66	<=33.00	Pass
				13	23.80	3.87	27.67	<=33.00	Pass
	24	23.76		3.87	27.63	<=33.00	Pass		
	1880	12	0	22.81	3.87	26.68	<=33.00	Pass	
			6	22.82	3.87	26.69	<=33.00	Pass	
			13	22.83	3.87	26.70	<=33.00	Pass	
		25	0	22.83	3.87	26.70	<=33.00	Pass	
			1	0	23.60	3.87	27.47	<=33.00	Pass
				13	23.72	3.87	27.59	<=33.00	Pass
		24		23.61	3.87	27.48	<=33.00	Pass	
		1907.5	12	0	22.75	3.87	26.62	<=33.00	Pass
				6	22.77	3.87	26.64	<=33.00	Pass
	13			22.72	3.87	26.59	<=33.00	Pass	
	25		0	22.73	3.87	26.60	<=33.00	Pass	
			1	0	22.88	3.87	26.75	<=33.00	Pass
				13	22.95	3.87	26.82	<=33.00	Pass
	24	22.90		3.87	26.77	<=33.00	Pass		
16QAM	1852.5	12	0	22.08	3.87	25.95	<=33.00	Pass	
			6	22.11	3.87	25.98	<=33.00	Pass	
			13	22.08	3.87	25.95	<=33.00	Pass	
		25	0	22.07	3.87	25.94	<=33.00	Pass	
			1	0	23.02	3.87	26.89	<=33.00	Pass
				13	23.09	3.87	26.96	<=33.00	Pass
		24		22.96	3.87	26.83	<=33.00	Pass	
		1880	12	0	21.88	3.87	25.75	<=33.00	Pass
				6	21.88	3.87	25.75	<=33.00	Pass
	13			21.84	3.87	25.71	<=33.00	Pass	
	25		0	21.78	3.87	25.65	<=33.00	Pass	
			1	0	22.84	3.87	26.71	<=33.00	Pass
				13	22.99	3.87	26.86	<=33.00	Pass
	24	22.89		3.87	26.76	<=33.00	Pass		
	1907.5	12	0	21.77	3.87	25.64	<=33.00	Pass	
			6	21.82	3.87	25.69	<=33.00	Pass	
			13	21.76	3.87	25.63	<=33.00	Pass	
		25	0	21.73	3.87	25.60	<=33.00	Pass	



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1.4 B2_10MHz_EIRP

1.4.1 Test Result

Band: 2 / Bandwidth: 10MHz / NTNV										
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	1855	1	0	24.05	3.87	27.92	<=33.00	Pass		
			25	24.06	3.87	27.93	<=33.00	Pass		
			49	23.95	3.87	27.82	<=33.00	Pass		
		25	0	23.10	3.87	26.97	<=33.00	Pass		
			13	23.00	3.87	26.87	<=33.00	Pass		
			25	22.98	3.87	26.85	<=33.00	Pass		
		50	0	22.99	3.87	26.86	<=33.00	Pass		
		1880	1	0	23.79	3.87	27.66	<=33.00	Pass	
				25	23.73	3.87	27.60	<=33.00	Pass	
	49			23.68	3.87	27.55	<=33.00	Pass		
	25		0	22.86	3.87	26.73	<=33.00	Pass		
			13	22.87	3.87	26.74	<=33.00	Pass		
			25	22.79	3.87	26.66	<=33.00	Pass		
	50		0	22.83	3.87	26.70	<=33.00	Pass		
	1905		1	0	23.61	3.87	27.48	<=33.00	Pass	
				25	23.63	3.87	27.50	<=33.00	Pass	
		49		23.60	3.87	27.47	<=33.00	Pass		
		25	0	22.73	3.87	26.60	<=33.00	Pass		
			13	22.76	3.87	26.63	<=33.00	Pass		
			25	22.76	3.87	26.63	<=33.00	Pass		
		50	0	22.73	3.87	26.60	<=33.00	Pass		
		16QAM	1855	1	0	23.52	3.87	27.39	<=33.00	Pass
					25	23.54	3.87	27.41	<=33.00	Pass
	49				23.43	3.87	27.30	<=33.00	Pass	
25	0			22.16	3.87	26.03	<=33.00	Pass		
	13			22.06	3.87	25.93	<=33.00	Pass		
	25			22.06	3.87	25.93	<=33.00	Pass		
50	0			22.02	3.87	25.89	<=33.00	Pass		
1880	1			0	22.94	3.87	26.81	<=33.00	Pass	
				25	22.91	3.87	26.78	<=33.00	Pass	
			49	22.88	3.87	26.75	<=33.00	Pass		
	25		0	21.89	3.87	25.76	<=33.00	Pass		
			13	21.88	3.87	25.75	<=33.00	Pass		
			25	21.83	3.87	25.70	<=33.00	Pass		
	50		0	21.89	3.87	25.76	<=33.00	Pass		
	1905		1	0	22.63	3.87	26.50	<=33.00	Pass	
				25	22.63	3.87	26.50	<=33.00	Pass	
49				22.65	3.87	26.52	<=33.00	Pass		
25			0	21.83	3.87	25.70	<=33.00	Pass		
			13	21.86	3.87	25.73	<=33.00	Pass		
			25	21.83	3.87	25.70	<=33.00	Pass		
50			0	21.79	3.87	25.66	<=33.00	Pass		



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Note1: EIRP=Conducted Power+Antenna Gain



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1.5 B2_15MHz_EIRP

1.5.1 Test Result

Band: 2 / Bandwidth: 15MHz / NTN										
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	1857.5	1	0	24.01	3.87	27.88	<=33.00	Pass		
			38	23.93	3.87	27.80	<=33.00	Pass		
			74	23.90	3.87	27.77	<=33.00	Pass		
		36	0	23.04	3.87	26.91	<=33.00	Pass		
			18	23.05	3.87	26.92	<=33.00	Pass		
			39	23.01	3.87	26.88	<=33.00	Pass		
		75	0	23.05	3.87	26.92	<=33.00	Pass		
		1880	1	0	23.87	3.87	27.74	<=33.00	Pass	
				38	23.76	3.87	27.63	<=33.00	Pass	
	74			23.63	3.87	27.50	<=33.00	Pass		
	36		0	22.86	3.87	26.73	<=33.00	Pass		
			18	22.89	3.87	26.76	<=33.00	Pass		
			39	22.81	3.87	26.68	<=33.00	Pass		
	75		0	22.87	3.87	26.74	<=33.00	Pass		
	1902.5		1	0	23.51	3.87	27.38	<=33.00	Pass	
				38	23.55	3.87	27.42	<=33.00	Pass	
		74		23.58	3.87	27.45	<=33.00	Pass		
		36	0	22.65	3.87	26.52	<=33.00	Pass		
			18	22.72	3.87	26.59	<=33.00	Pass		
			39	22.75	3.87	26.62	<=33.00	Pass		
		75	0	22.74	3.87	26.61	<=33.00	Pass		
		16QAM	1857.5	1	0	23.18	3.87	27.05	<=33.00	Pass
					38	23.12	3.87	26.99	<=33.00	Pass
	74				23.07	3.87	26.94	<=33.00	Pass	
36	0			22.04	3.87	25.91	<=33.00	Pass		
	18			22.05	3.87	25.92	<=33.00	Pass		
	39			22.02	3.87	25.89	<=33.00	Pass		
75	0			22.04	3.87	25.91	<=33.00	Pass		
1880	1			0	23.27	3.87	27.14	<=33.00	Pass	
				38	23.13	3.87	27.00	<=33.00	Pass	
			74	23.06	3.87	26.93	<=33.00	Pass		
	36		0	21.85	3.87	25.72	<=33.00	Pass		
			18	21.88	3.87	25.75	<=33.00	Pass		
			39	21.79	3.87	25.66	<=33.00	Pass		
	75		0	21.83	3.87	25.70	<=33.00	Pass		
	1902.5		1	0	23.16	3.87	27.03	<=33.00	Pass	
				38	23.18	3.87	27.05	<=33.00	Pass	
74				23.13	3.87	27.00	<=33.00	Pass		
36			0	21.73	3.87	25.60	<=33.00	Pass		
			18	21.76	3.87	25.63	<=33.00	Pass		
			39	21.74	3.87	25.61	<=33.00	Pass		
75			0	21.72	3.87	25.59	<=33.00	Pass		



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Note1: EIRP=Conducted Power+Antenna Gain



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1.6 B2_20MHz_EIRP

1.6.1 Test Result

Band: 2 / Bandwidth: 20MHz / NTNV										
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	1860	1	0	24.01	3.87	27.88	<=33.00	Pass		
			50	24.00	3.87	27.87	<=33.00	Pass		
			99	23.83	3.87	27.70	<=33.00	Pass		
		50	0	23.02	3.87	26.89	<=33.00	Pass		
			25	23.02	3.87	26.89	<=33.00	Pass		
			50	22.93	3.87	26.80	<=33.00	Pass		
		100	0	23.02	3.87	26.89	<=33.00	Pass		
		1880	1	0	23.84	3.87	27.71	<=33.00	Pass	
				50	23.79	3.87	27.66	<=33.00	Pass	
	99			23.61	3.87	27.48	<=33.00	Pass		
	50		0	22.84	3.87	26.71	<=33.00	Pass		
			25	22.89	3.87	26.76	<=33.00	Pass		
			50	22.81	3.87	26.68	<=33.00	Pass		
	100		0	22.80	3.87	26.67	<=33.00	Pass		
	1900		1	0	23.68	3.87	27.55	<=33.00	Pass	
				50	23.60	3.87	27.47	<=33.00	Pass	
		99		23.61	3.87	27.48	<=33.00	Pass		
		50	0	22.82	3.87	26.69	<=33.00	Pass		
			25	22.71	3.87	26.58	<=33.00	Pass		
			50	22.70	3.87	26.57	<=33.00	Pass		
		100	0	22.78	3.87	26.65	<=33.00	Pass		
		16QAM	1860	1	0	23.20	3.87	27.07	<=33.00	Pass
					50	23.18	3.87	27.05	<=33.00	Pass
	99				23.03	3.87	26.90	<=33.00	Pass	
50	0			22.01	3.87	25.88	<=33.00	Pass		
	25			22.05	3.87	25.92	<=33.00	Pass		
	50			21.93	3.87	25.80	<=33.00	Pass		
100	0			22.03	3.87	25.90	<=33.00	Pass		
1880	1			0	23.42	3.87	27.29	<=33.00	Pass	
				50	23.31	3.87	27.18	<=33.00	Pass	
			99	23.22	3.87	27.09	<=33.00	Pass		
	50		0	21.89	3.87	25.76	<=33.00	Pass		
			25	21.91	3.87	25.78	<=33.00	Pass		
			50	21.83	3.87	25.70	<=33.00	Pass		
	100		0	21.90	3.87	25.77	<=33.00	Pass		
	1900		1	0	22.90	3.87	26.77	<=33.00	Pass	
				50	22.83	3.87	26.70	<=33.00	Pass	
99				22.79	3.87	26.66	<=33.00	Pass		
50			0	21.80	3.87	25.67	<=33.00	Pass		
			25	21.78	3.87	25.65	<=33.00	Pass		
			50	21.76	3.87	25.63	<=33.00	Pass		
100			0	21.86	3.87	25.73	<=33.00	Pass		



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2. Frequency Stability

2.6 B2_20MHz

2.6.1 Test Result

Band: 2 / 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	2.087	0.0011	/	Pass	
					3.7	-11.024	-0.0059	/	Pass	
					4.4	0.576	0.0003	/	Pass	
				-30	3.7	-1.552	-0.0008	/	Pass	
					-20	3.7	0.659	0.0004	/	Pass
					-10	3.7	-6.083	-0.0033	/	Pass
				0	3.7	-0.228	-0.0001	/	Pass	
					10	3.7	-1.368	-0.0007	/	Pass
					30	3.7	-3.892	-0.0021	/	Pass
	40	3.7	-4.399		-0.0024	/	Pass			
	50	3.7	-8.873		-0.0048	/	Pass			
	1880	100	0		20	3.135	5.792	0.0031	/	Pass
				3.7		3.791	0.0020	/	Pass	
				4.4		6.830	0.0036	/	Pass	
				-30	3.7	0.232	0.0001	/	Pass	
					-20	3.7	10.175	0.0054	/	Pass
					-10	3.7	4.898	0.0026	/	Pass
				0	3.7	3.546	0.0019	/	Pass	
					10	3.7	-4.171	-0.0022	/	Pass
					30	3.7	4.154	0.0022	/	Pass
	40	3.7	-1.201		-0.0006	/	Pass			
	50	3.7	1.140		0.0006	/	Pass			
	1900	100	0		20	3.135	-2.642	-0.0014	/	Pass
				3.7		3.010	0.0016	/	Pass	
				4.4		7.457	0.0039	/	Pass	
				-30	3.7	1.567	0.0008	/	Pass	
					-20	3.7	-3.686	-0.0019	/	Pass
-10					3.7	5.648	0.0030	/	Pass	
0				3.7	-4.738	-0.0025	/	Pass		
				10	3.7	-7.611	-0.0040	/	Pass	
				30	3.7	-1.877	-0.0010	/	Pass	
	40	3.7	-1.693	-0.0009	/	Pass				
	50	3.7	-3.295	-0.0017	/	Pass				
	16QAM	1860	100	0	20	3.135	3.592	0.0019	/	Pass
3.7						-5.120	-0.0028	/	Pass	
4.4						-6.344	-0.0034	/	Pass	
-30					3.7	-2.000	-0.0011	/	Pass	
					-20	3.7	-7.941	-0.0043	/	Pass
					-10	3.7	-10.823	-0.0058	/	Pass
0					3.7	-4.027	-0.0022	/	Pass	



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1880	100	0	10	3.7	-10.068	-0.0054	/	Pass
			30	3.7	1.958	0.0011	/	Pass
			40	3.7	-6.282	-0.0034	/	Pass
			50	3.7	-10.719	-0.0058	/	Pass
	20	100	0	3.135	4.857	0.0026	/	Pass
				3.7	9.725	0.0052	/	Pass
				4.4	0.110	0.0001	/	Pass
		-30	3.7	10.127	0.0054	/	Pass	
		-20	3.7	3.229	0.0017	/	Pass	
		-10	3.7	6.409	0.0034	/	Pass	
		0	3.7	5.073	0.0027	/	Pass	
		10	3.7	1.059	0.0006	/	Pass	
		30	3.7	3.338	0.0018	/	Pass	
		40	3.7	2.833	0.0015	/	Pass	
		50	3.7	7.563	0.0040	/	Pass	
		1900	100	0	20	3.135	-8.042	-0.0042
3.7	-6.390				-0.0034	/	Pass	
4.4	-6.181				-0.0033	/	Pass	
-30	3.7				-5.655	-0.0030	/	Pass
-20	3.7		2.631	0.0014	/	Pass		
-10	3.7		-2.446	-0.0013	/	Pass		
0	3.7		3.545	0.0019	/	Pass		
10	3.7		-8.278	-0.0044	/	Pass		
30	3.7		5.323	0.0028	/	Pass		
40	3.7		7.949	0.0042	/	Pass		
50	3.7		-7.989	-0.0042	/	Pass		



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3. 99% & 26dB Bandwidth

3.1 Band2_OBW

3.1.1 Test Result

Band: 2 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	1850.7	6	0	1.107	/	Pass
		1880	6	0	1.109	/	Pass
		1909.3	6	0	1.108	/	Pass
	16QAM	1850.7	6	0	1.098	/	Pass
		1880	6	0	1.107	/	Pass
3	QPSK	1851.5	15	0	2.745	/	Pass
		1880	15	0	2.734	/	Pass
		1908.5	15	0	2.744	/	Pass
	16QAM	1851.5	15	0	2.750	/	Pass
		1880	15	0	2.742	/	Pass
5	QPSK	1852.5	25	0	4.563	/	Pass
		1880	25	0	4.549	/	Pass
		1907.5	25	0	4.549	/	Pass
	16QAM	1852.5	25	0	4.549	/	Pass
		1880	25	0	4.572	/	Pass
10	QPSK	1855	50	0	9.074	/	Pass
		1880	50	0	9.051	/	Pass
		1905	50	0	9.074	/	Pass
	16QAM	1855	50	0	9.073	/	Pass
		1880	50	0	9.053	/	Pass
15	QPSK	1857.5	75	0	13.581	/	Pass
		1880	75	0	13.560	/	Pass
		1902.5	75	0	13.538	/	Pass
	16QAM	1857.5	75	0	13.570	/	Pass
		1880	75	0	13.585	/	Pass
20	QPSK	1860	100	0	18.060	/	Pass
		1880	100	0	18.040	/	Pass
		1900	100	0	18.108	/	Pass
	16QAM	1860	100	0	18.197	/	Pass
		1880	100	0	18.081	/	Pass
1900	100	0	18.039	/	Pass		

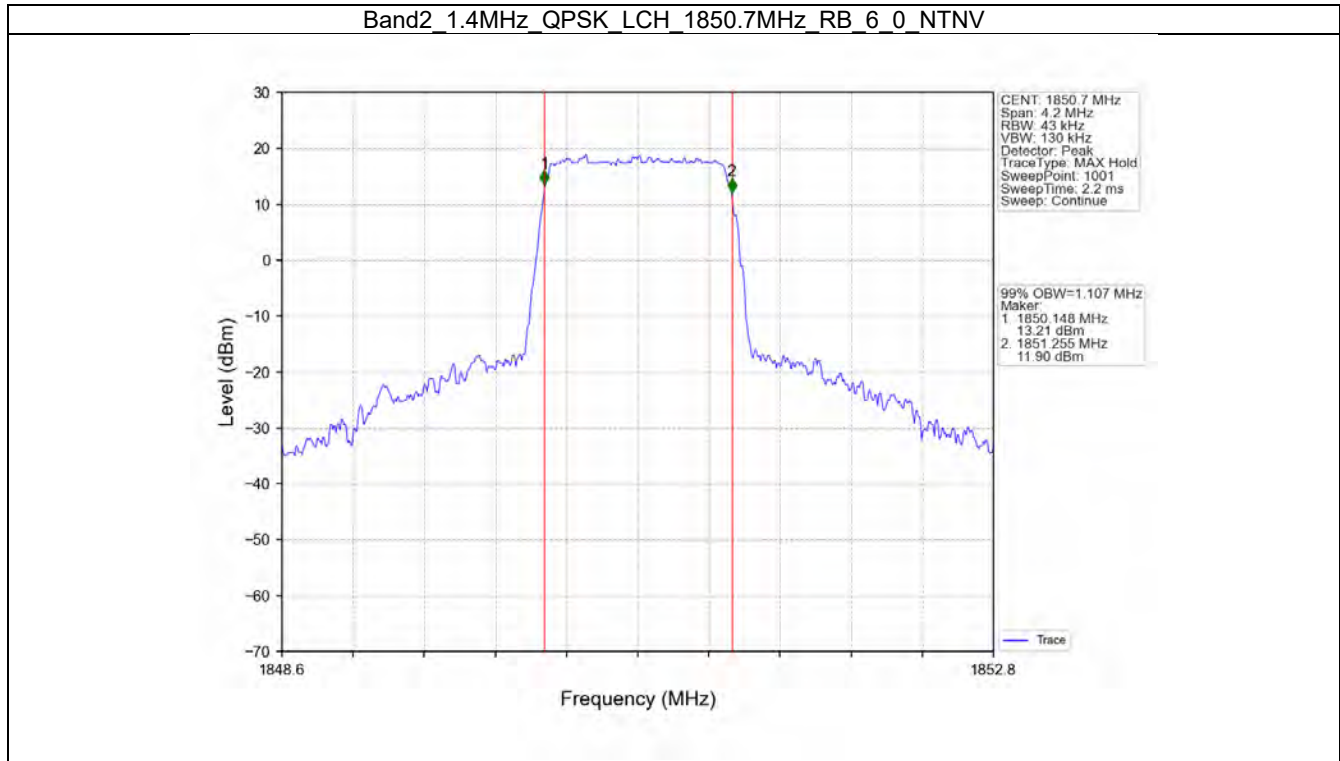


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3.1.2 Test Graph



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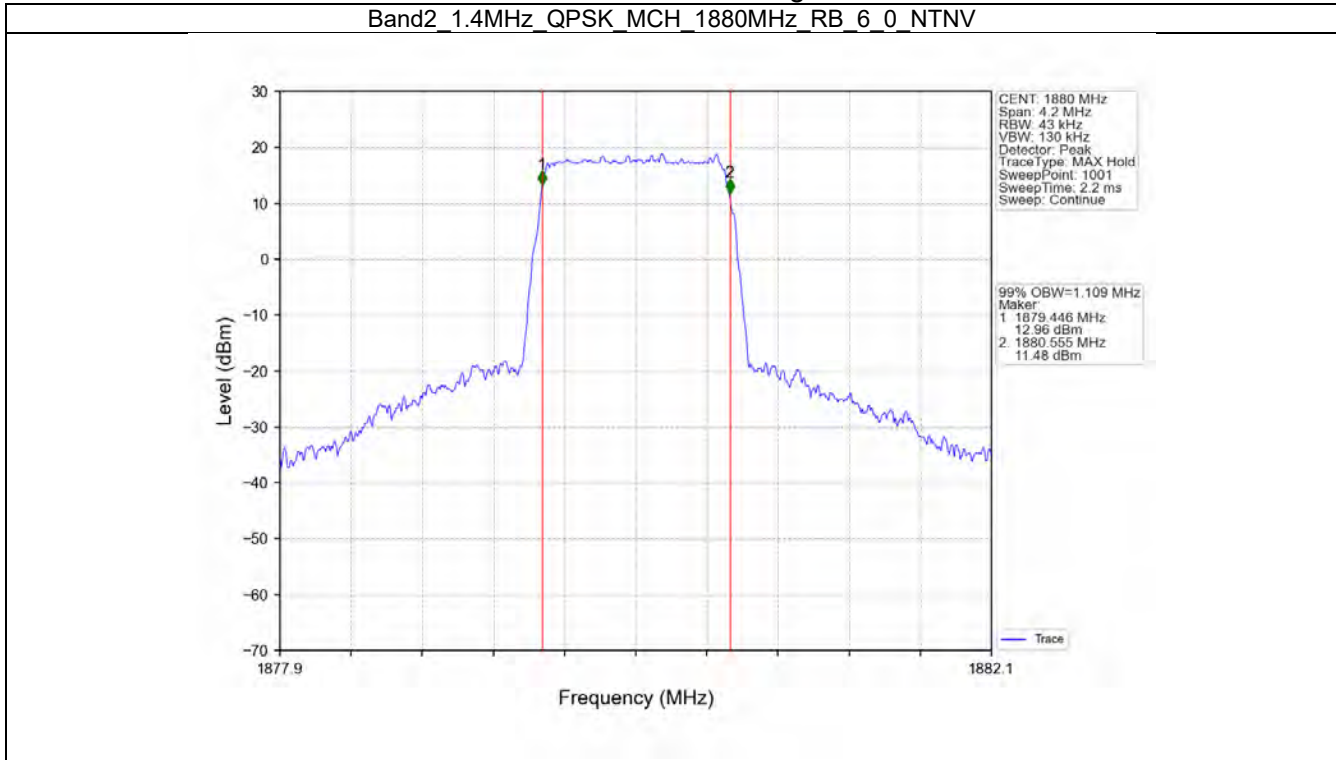
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Band2_1.4MHz_QPSK_MCH_1880MHz_RB_6_0_NTNV



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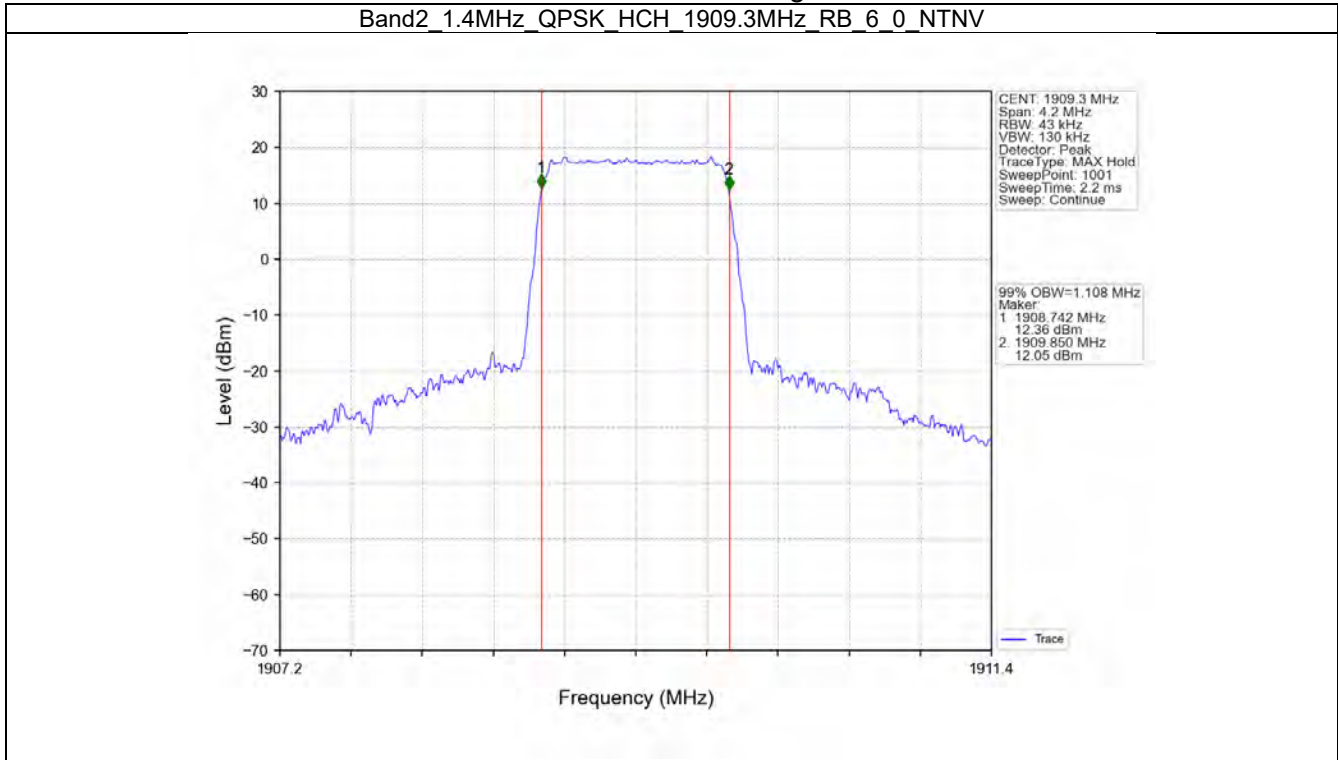
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Band2_1.4MHz_QPSK_HCH_1909.3MHz_RB_6_0_NTNV



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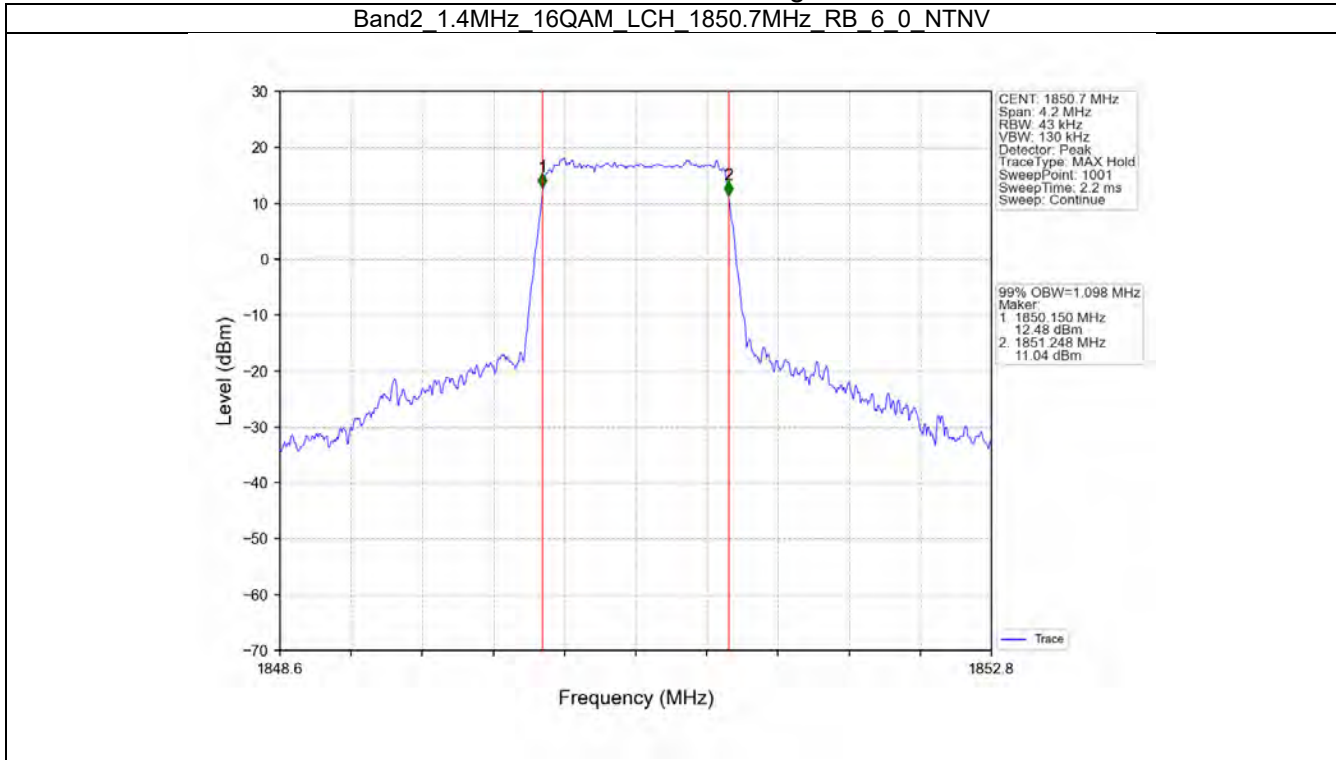
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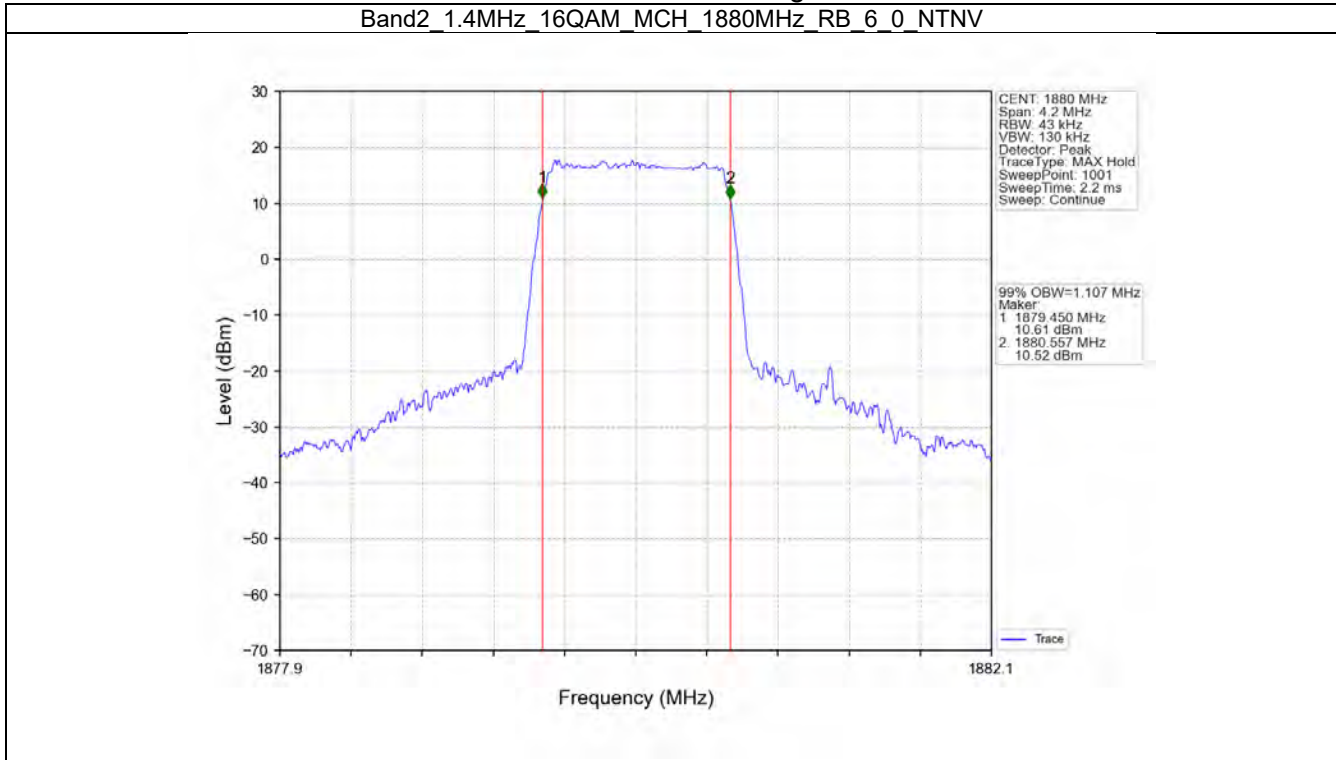
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Band2_1.4MHz_16QAM_MCH_1880MHz_RB_6_0_NTNV



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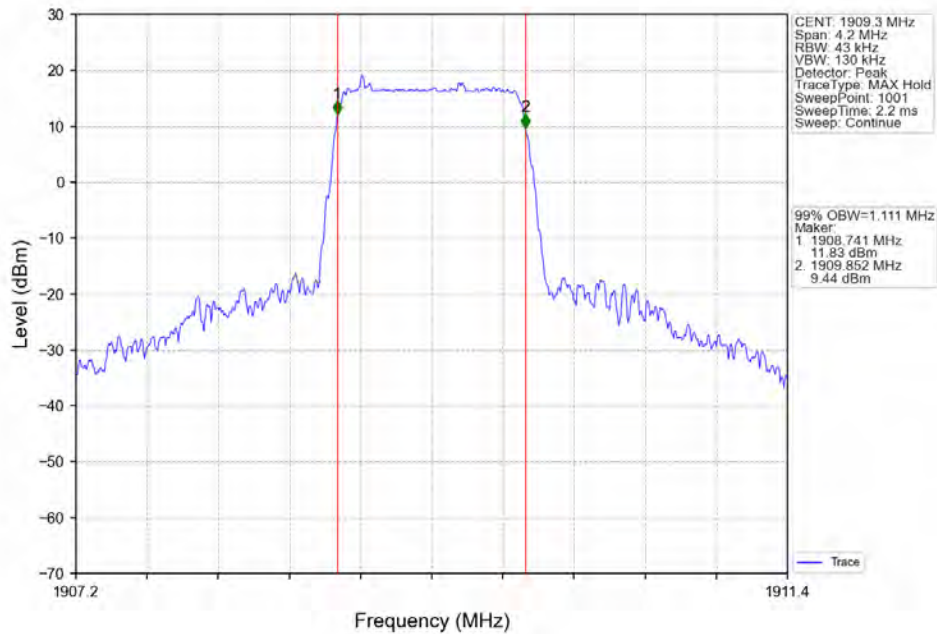
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Band2_1.4MHz_16QAM_HCH_1909.3MHz_RB_6_0_NTNV



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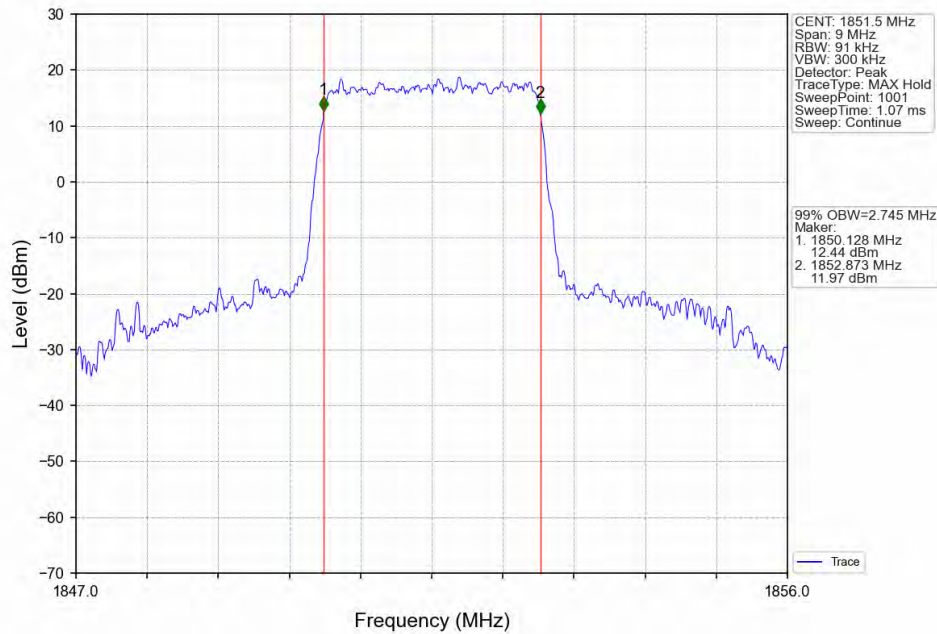
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Band2_3MHz_QPSK_LCH_1851.5MHz_RB_15_0_NTNV



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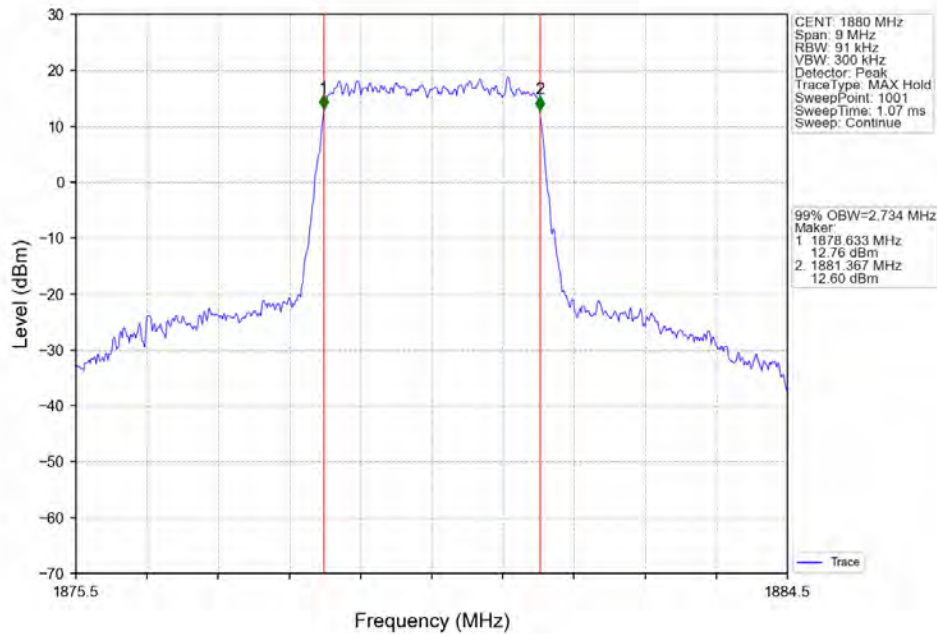
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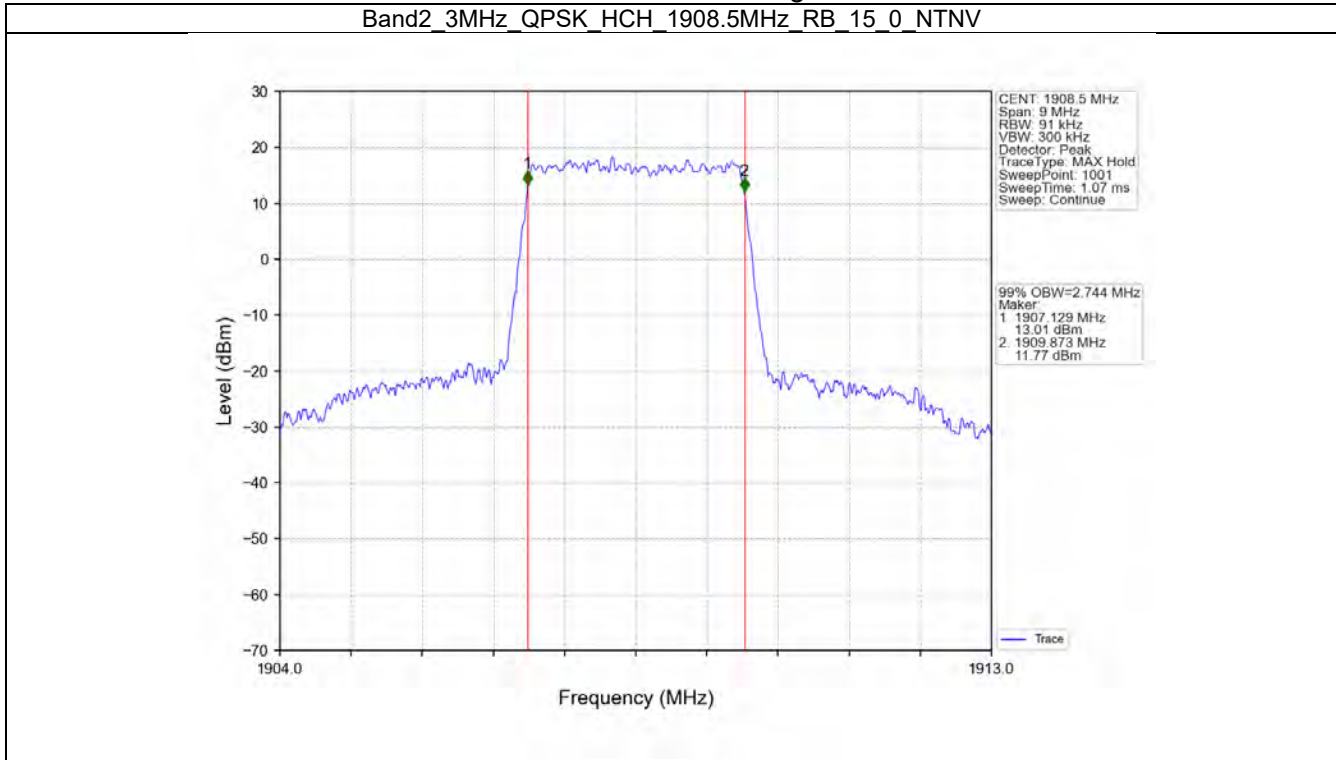
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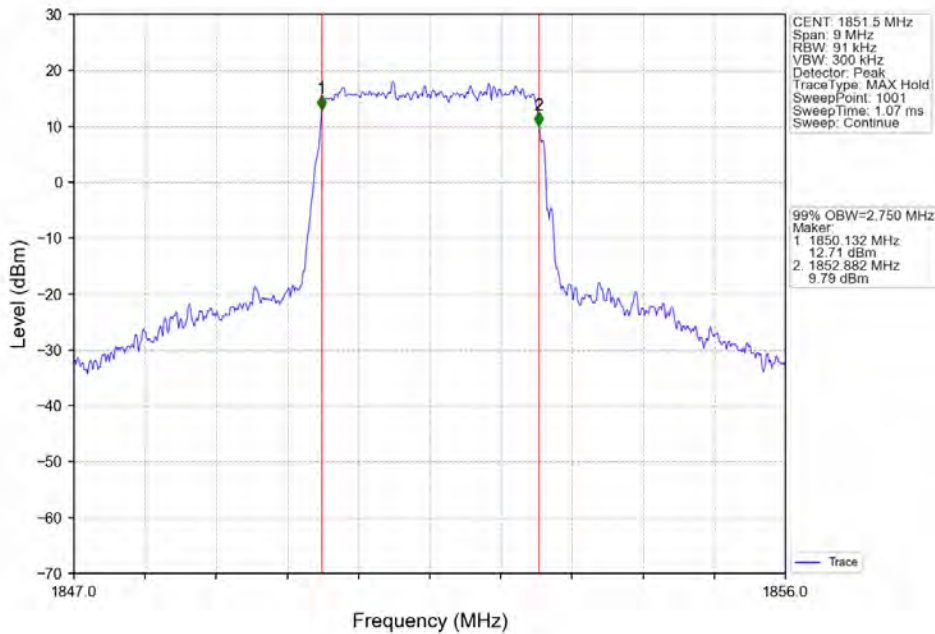
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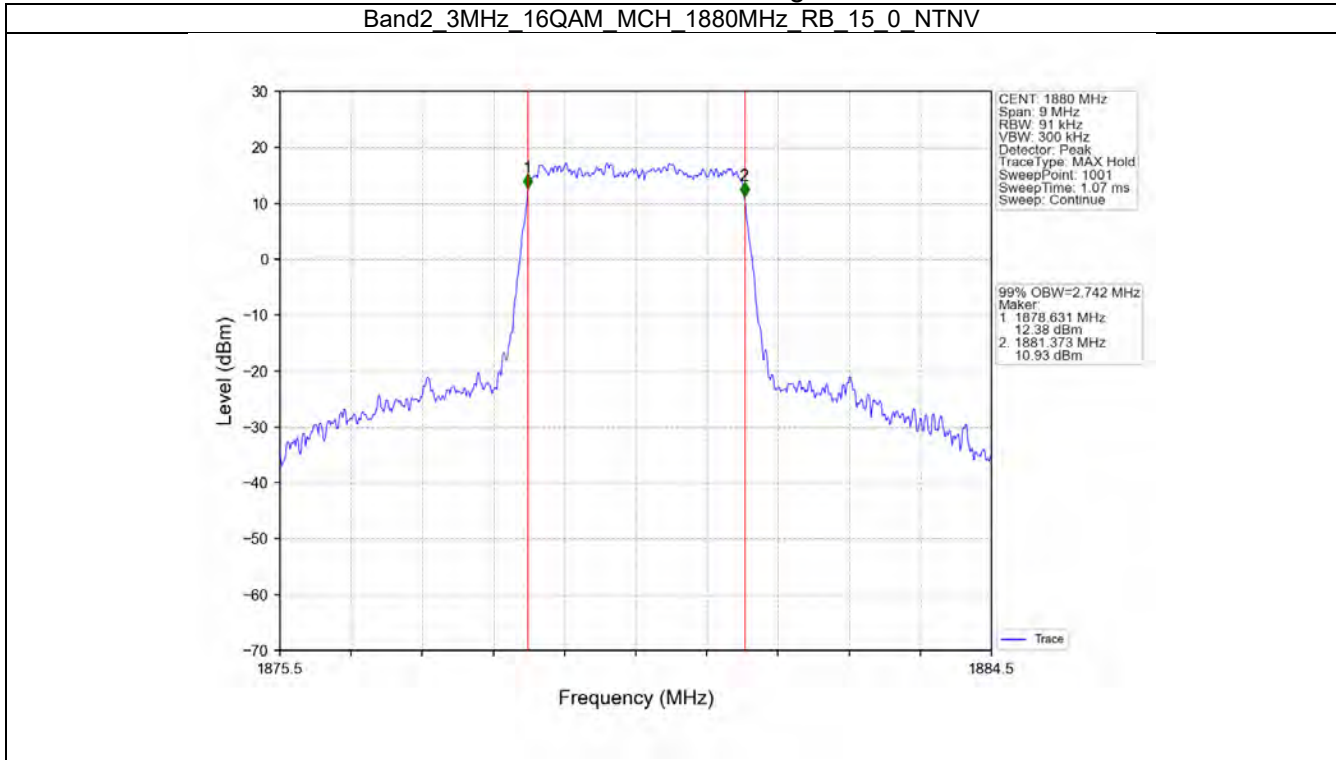
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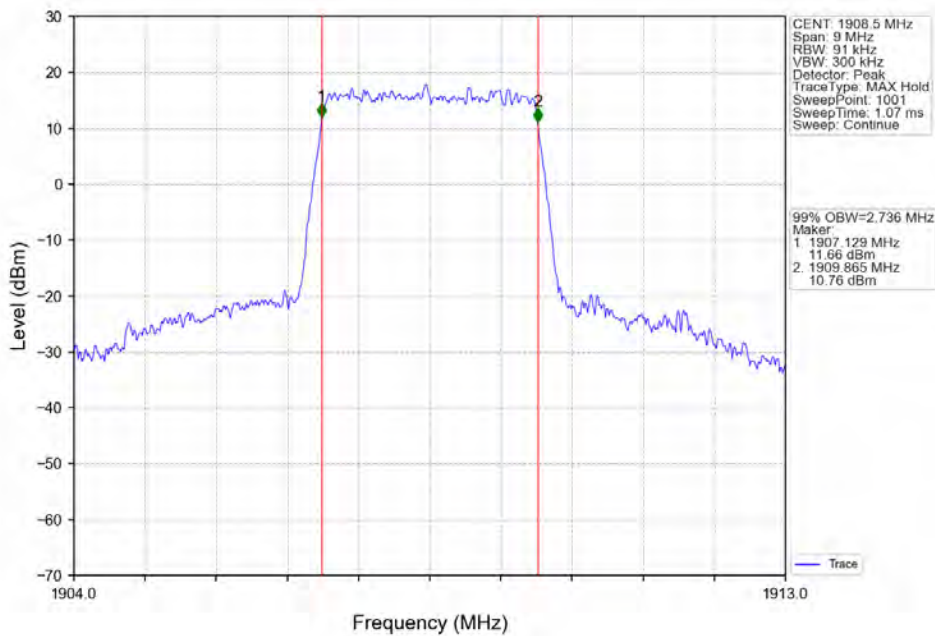
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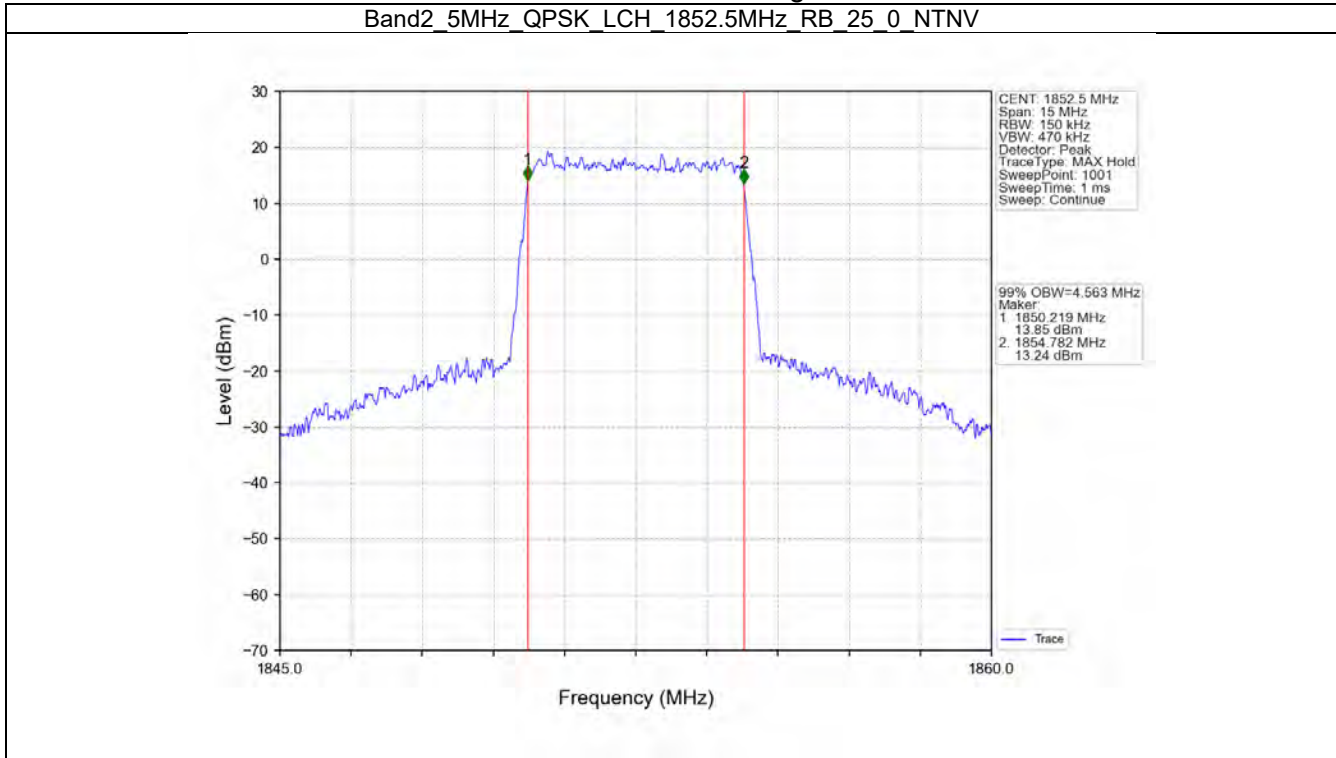
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Band2_5MHz_QPSK_LCH_1852.5MHz_RB_25_0_NTNV



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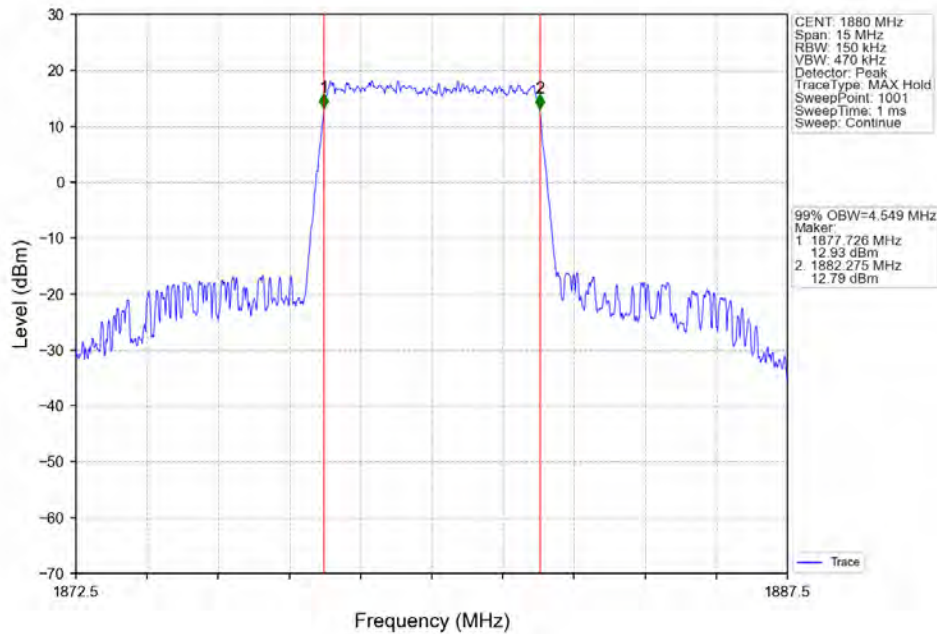
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Band2_5MHz_QPSK_MCH_1880MHz_RB_25_0_NTNV



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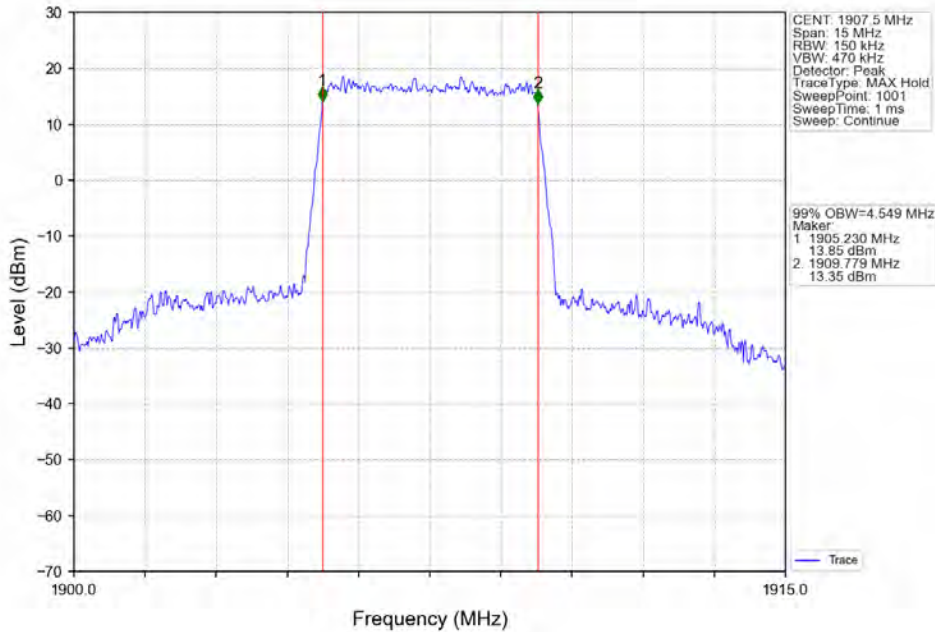
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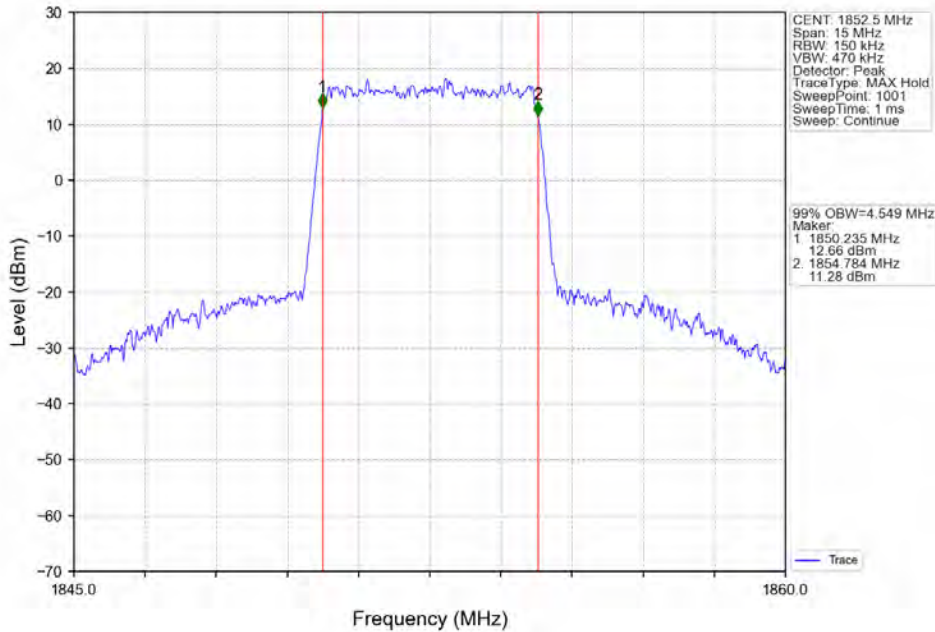
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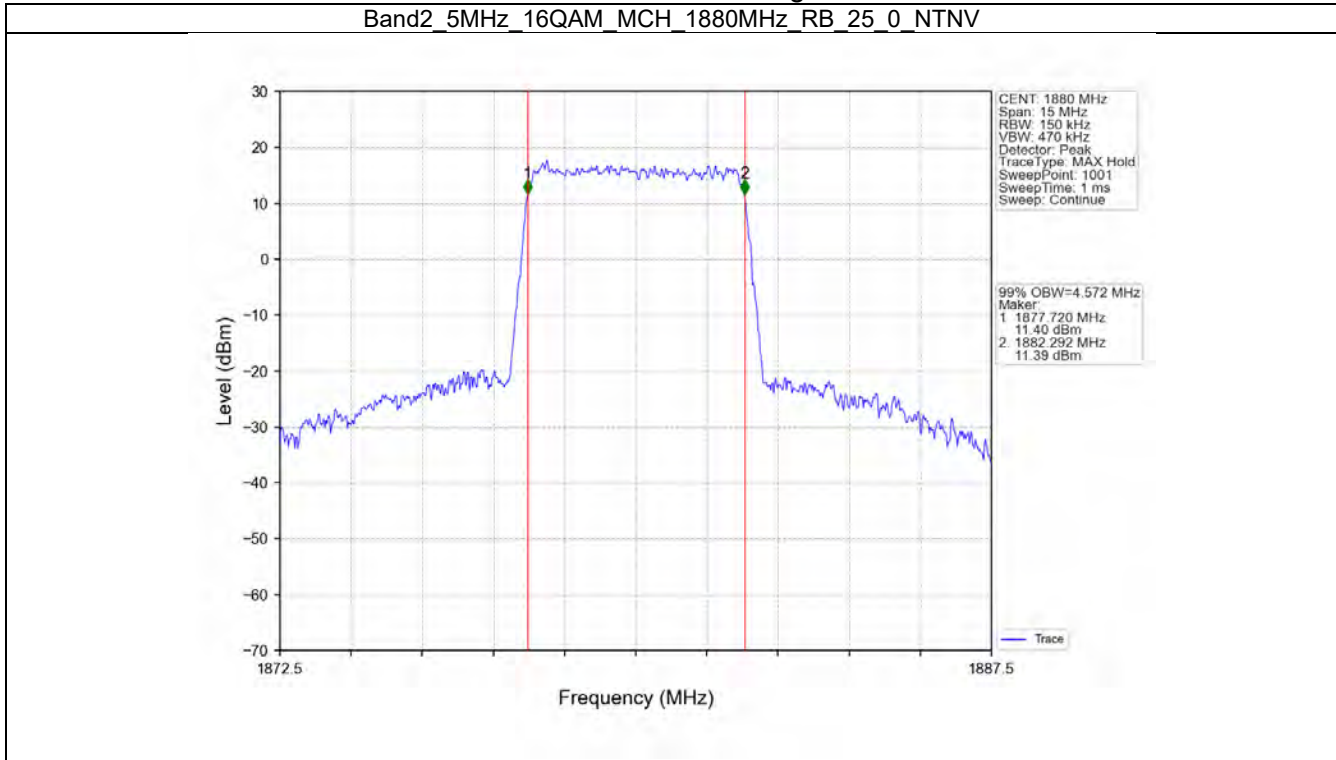
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Band2_5MHz_16QAM_MCH_1880MHz_RB_25_0_NTNV



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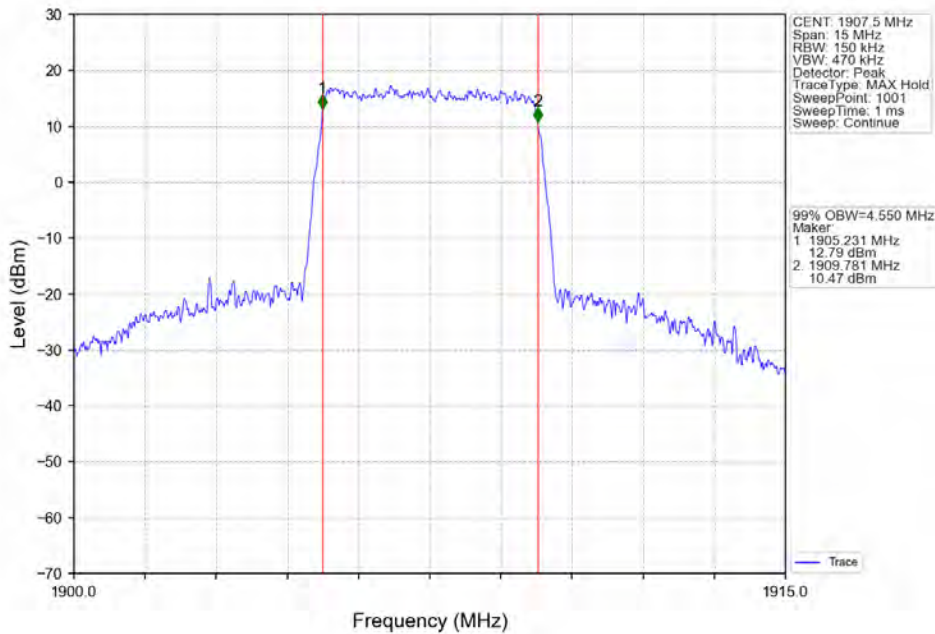
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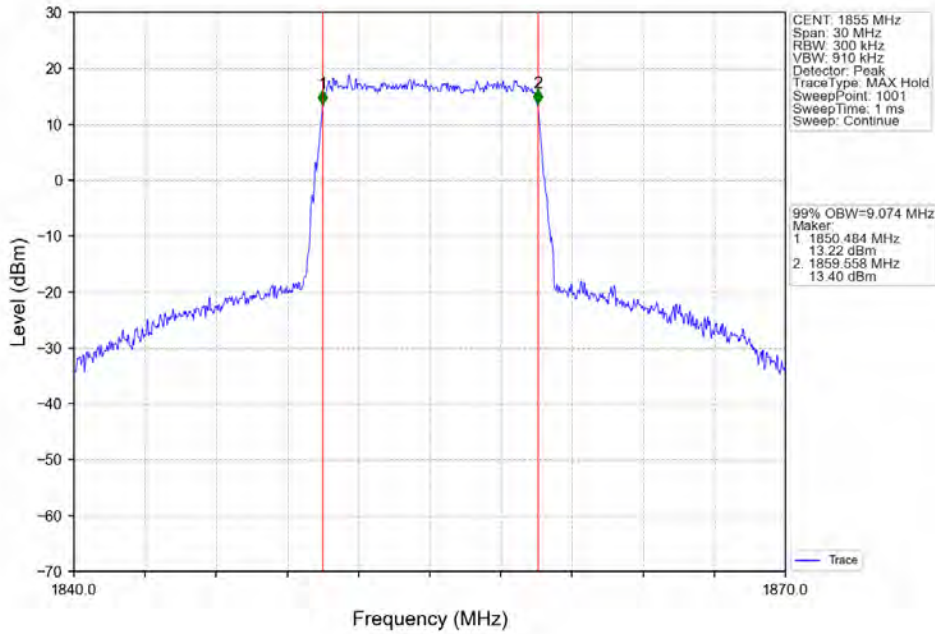
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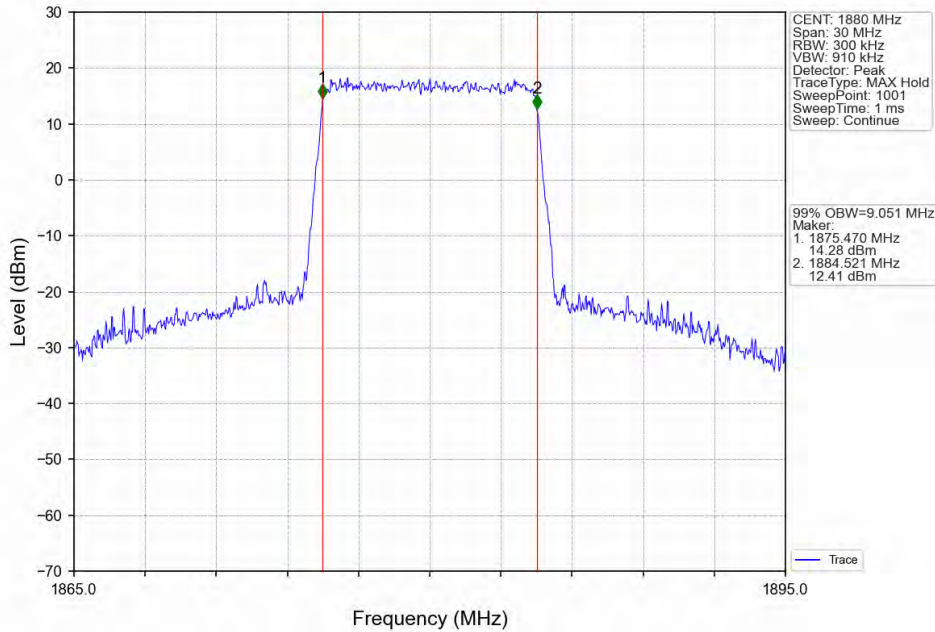
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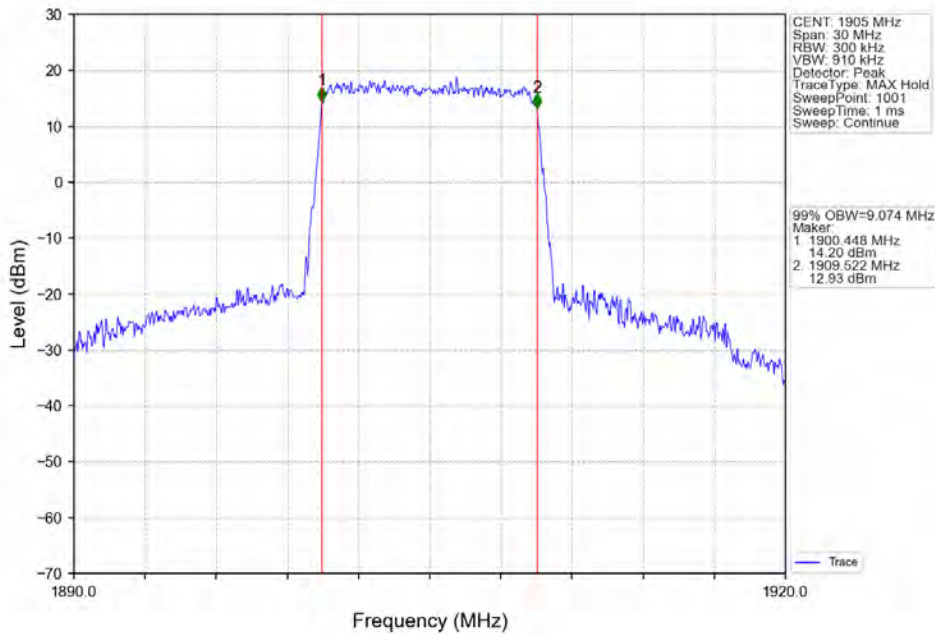
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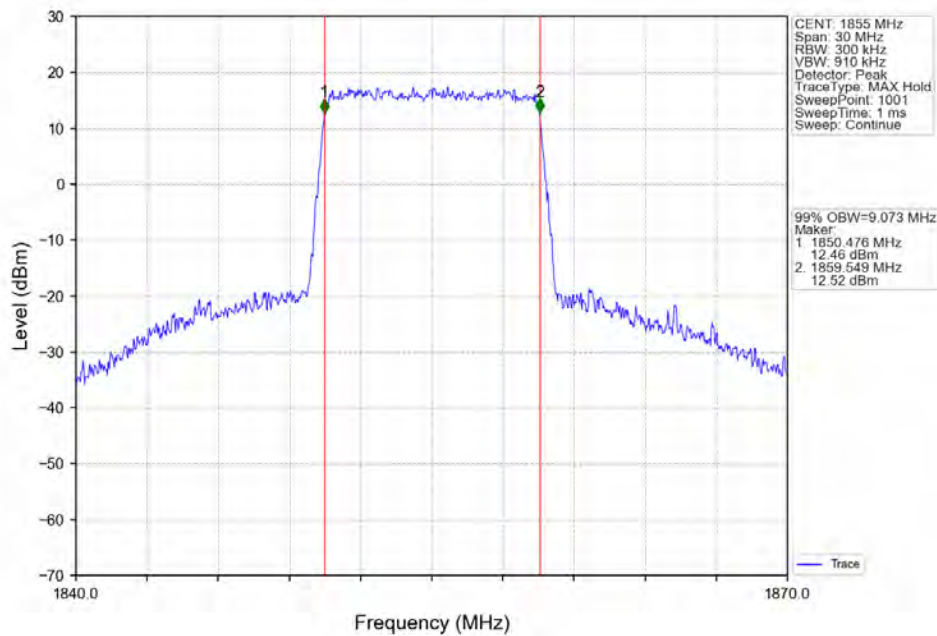
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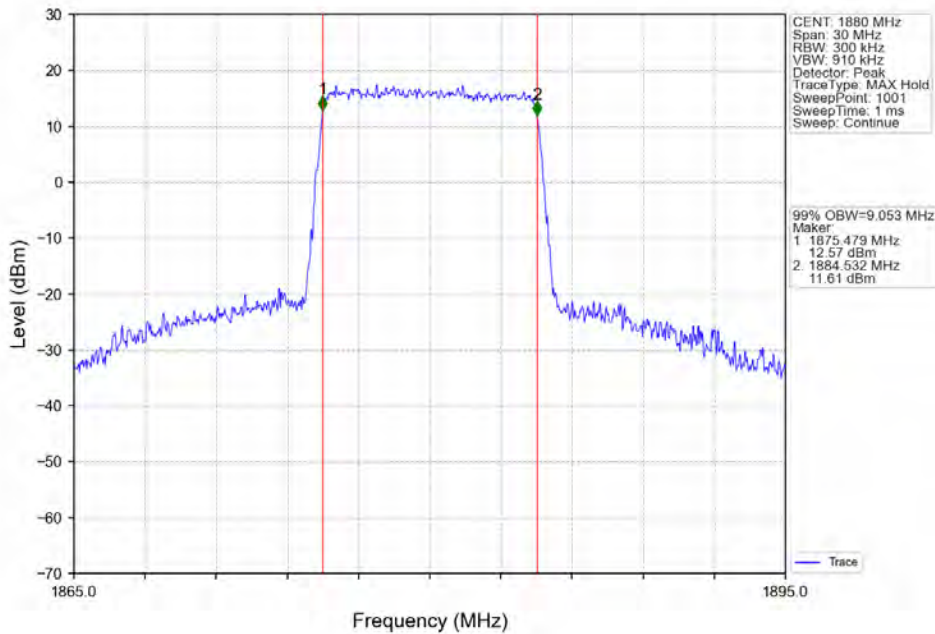
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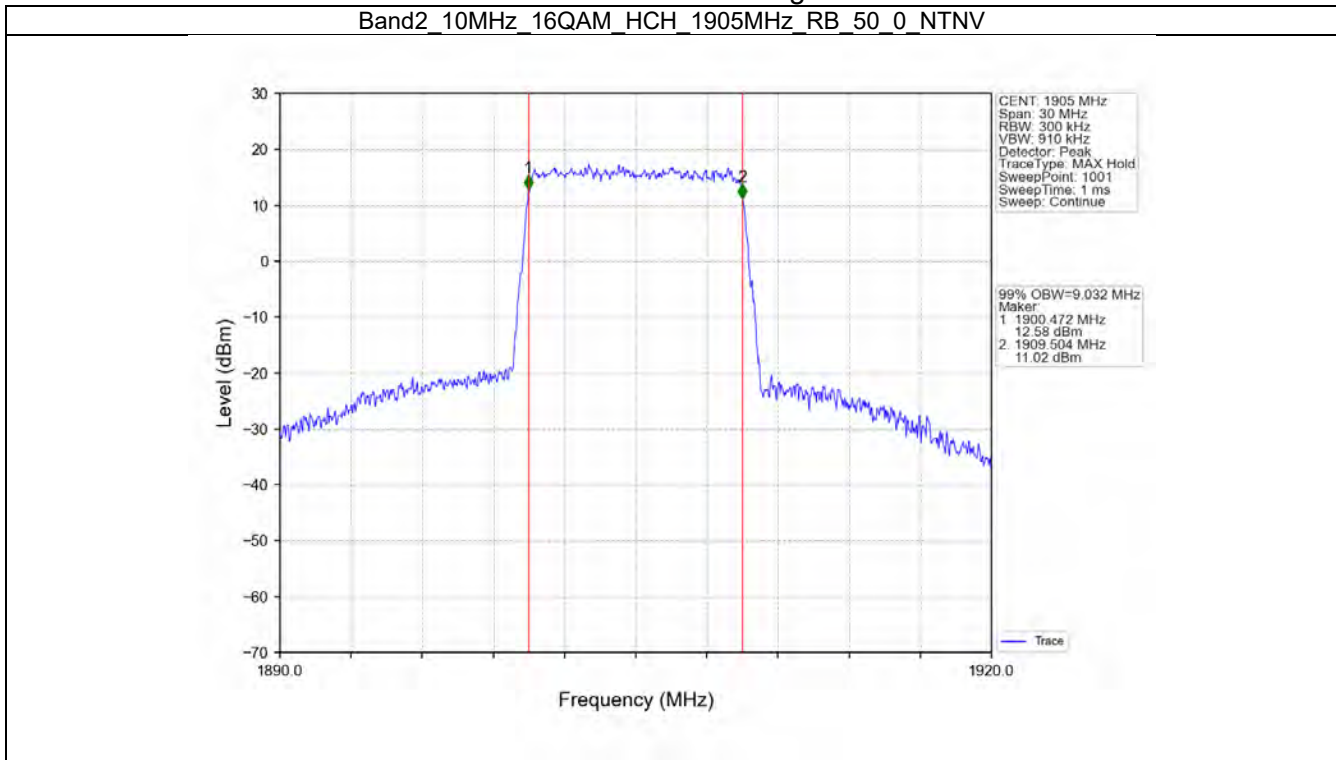
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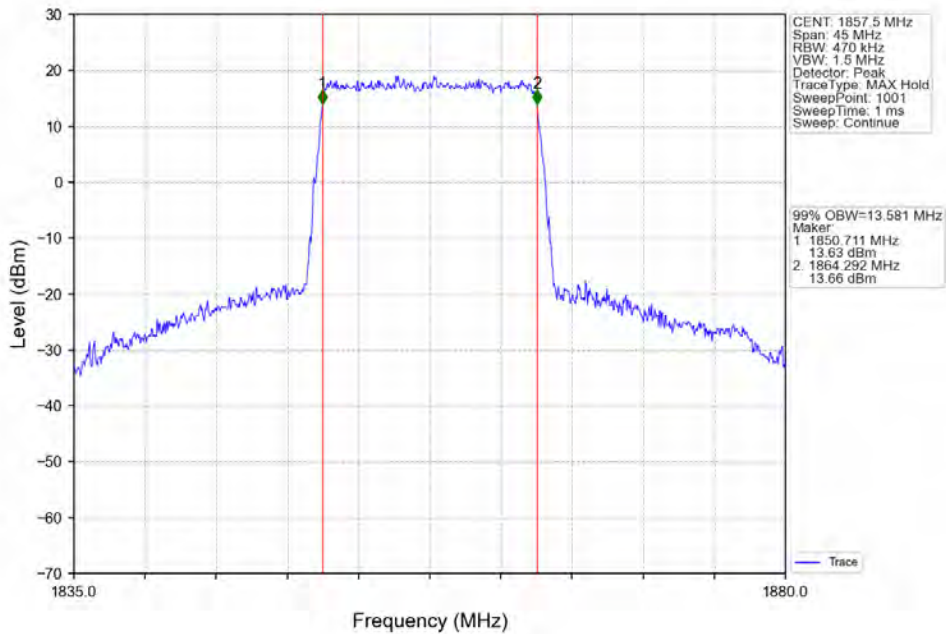
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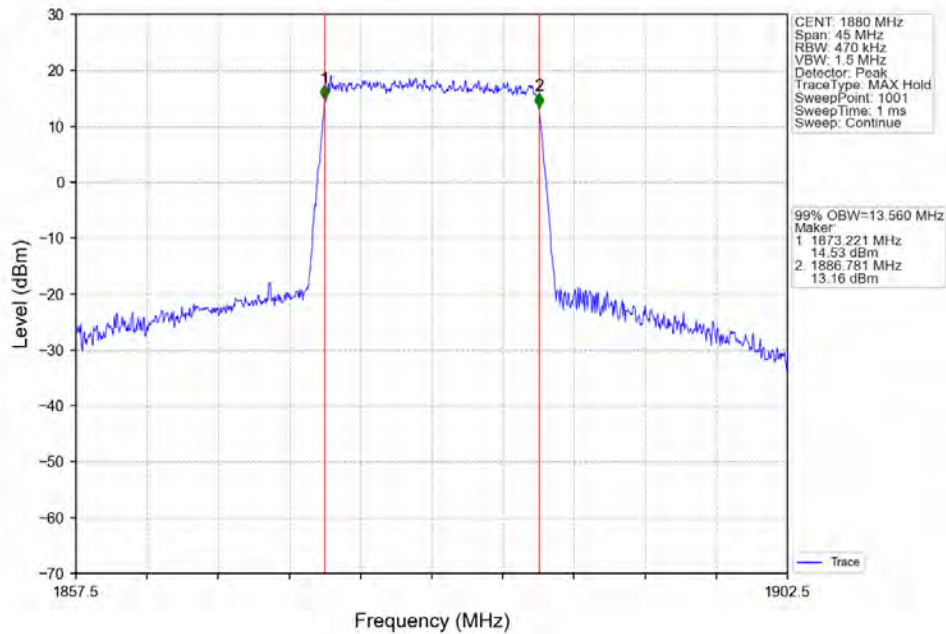
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Band2 15MHz_QPSK_MCH_1880MHz_RB_75_0_NTNV



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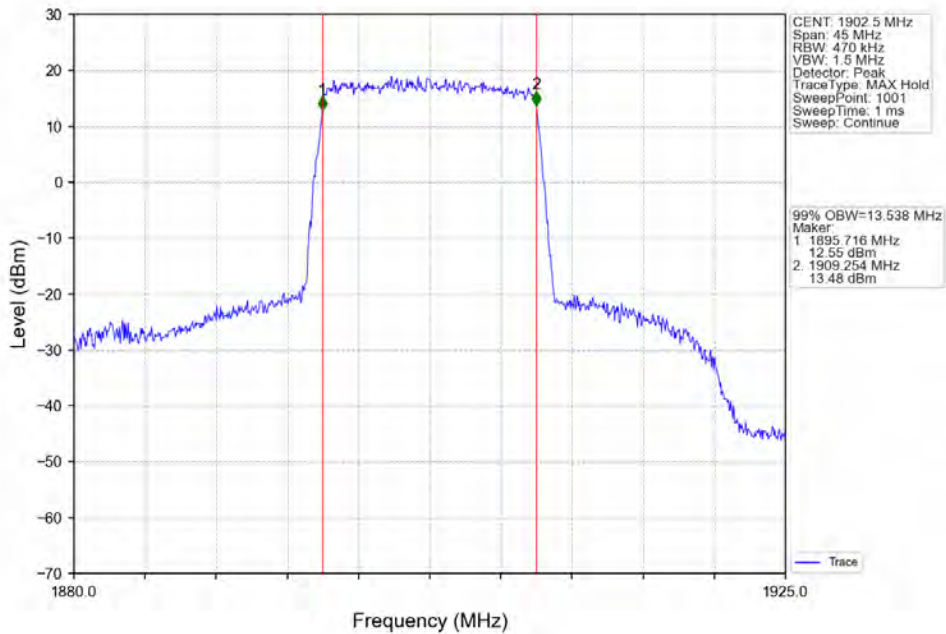
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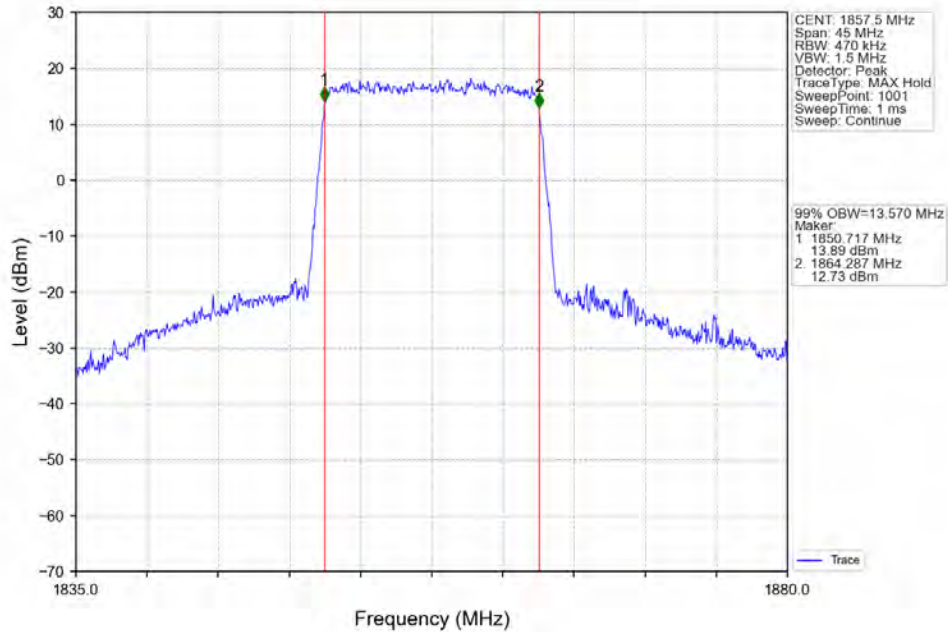
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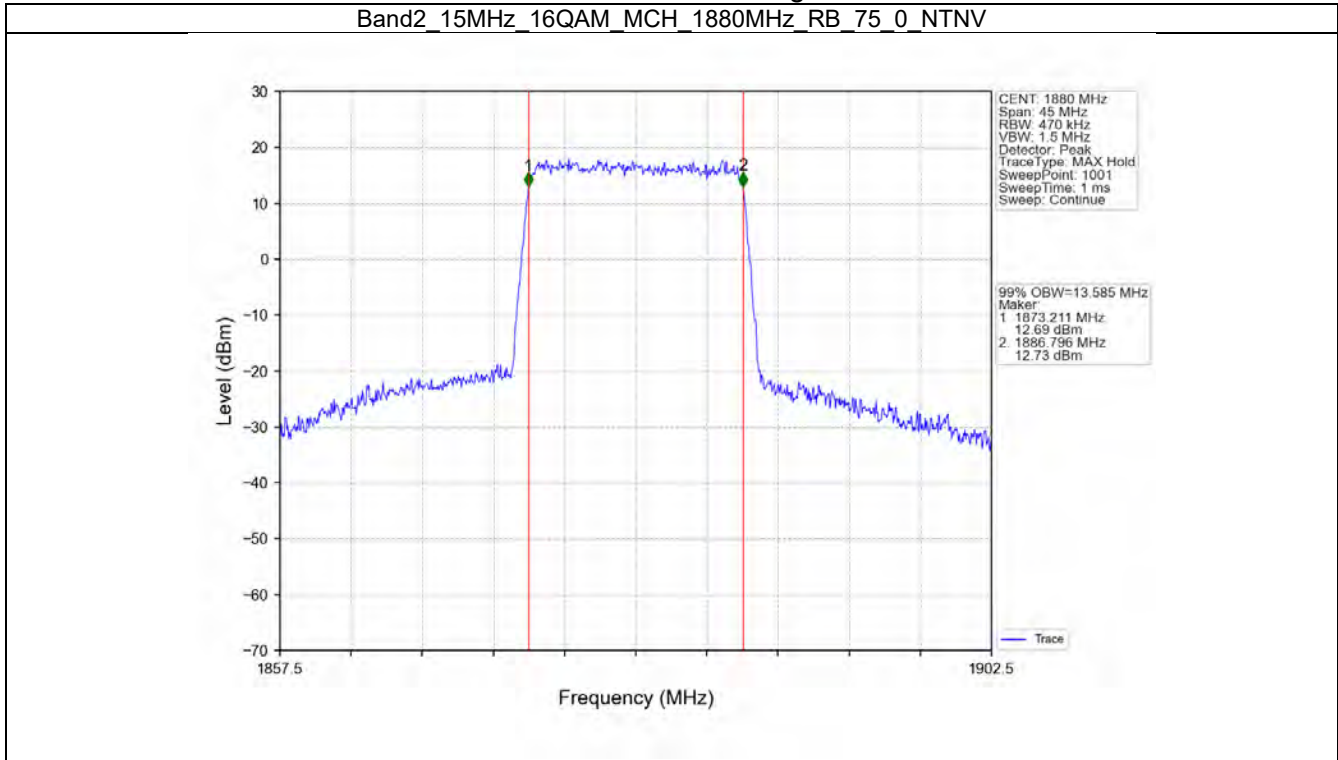
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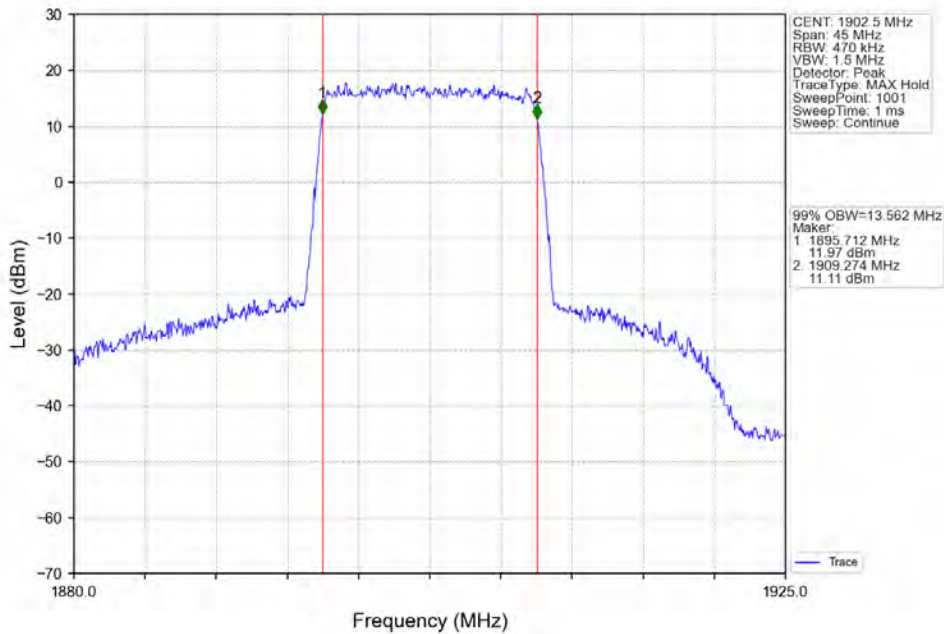
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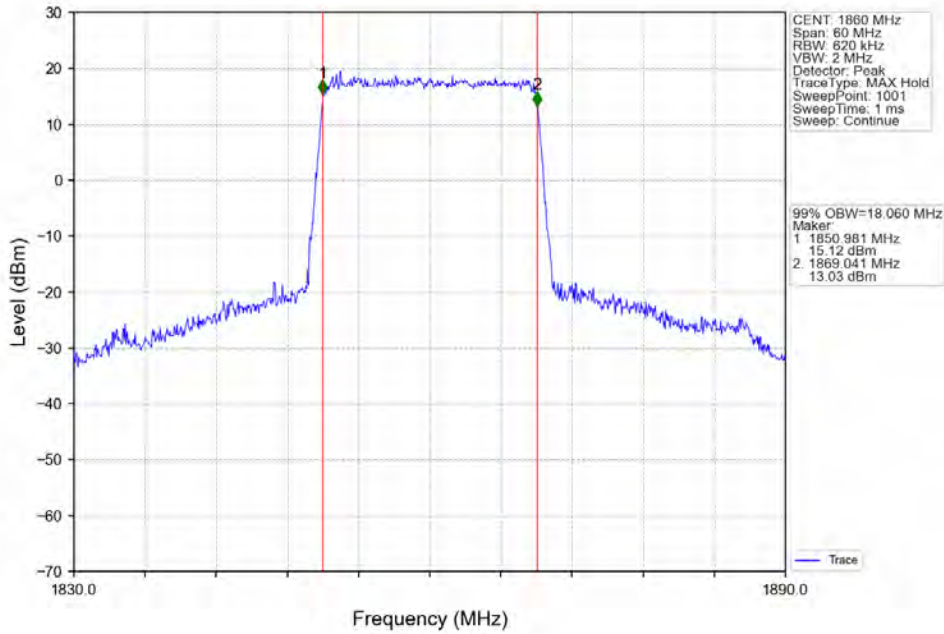
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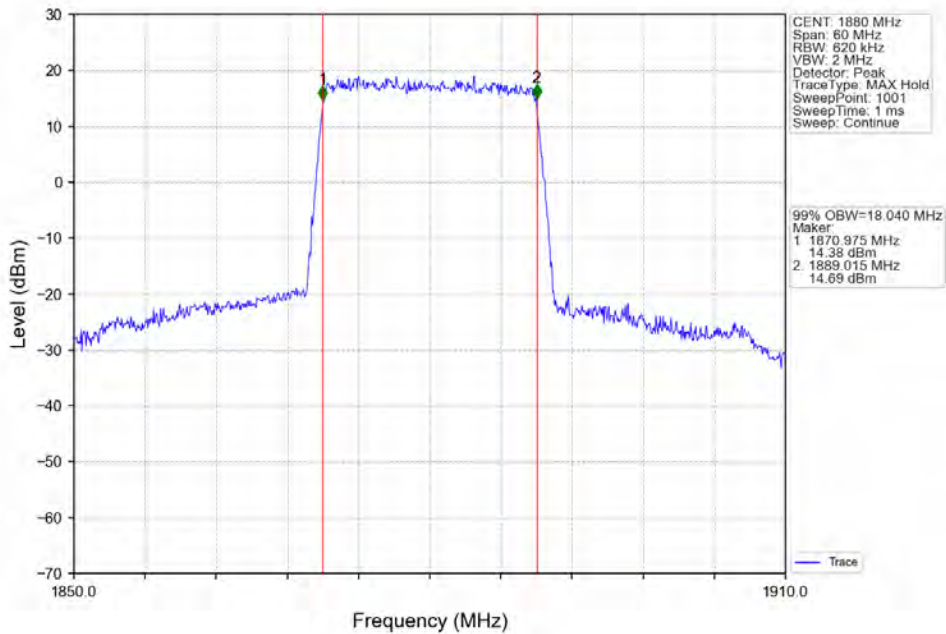
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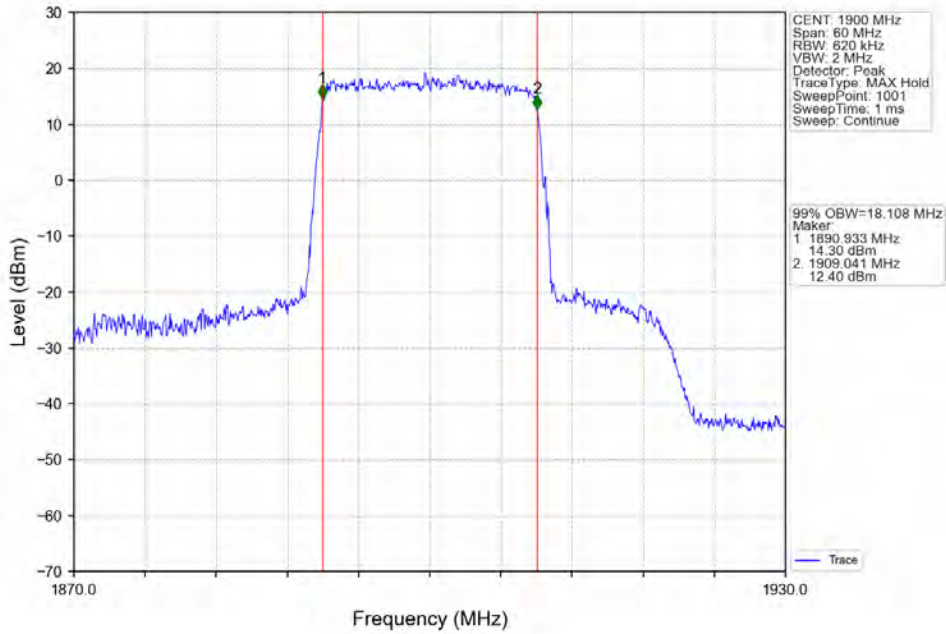
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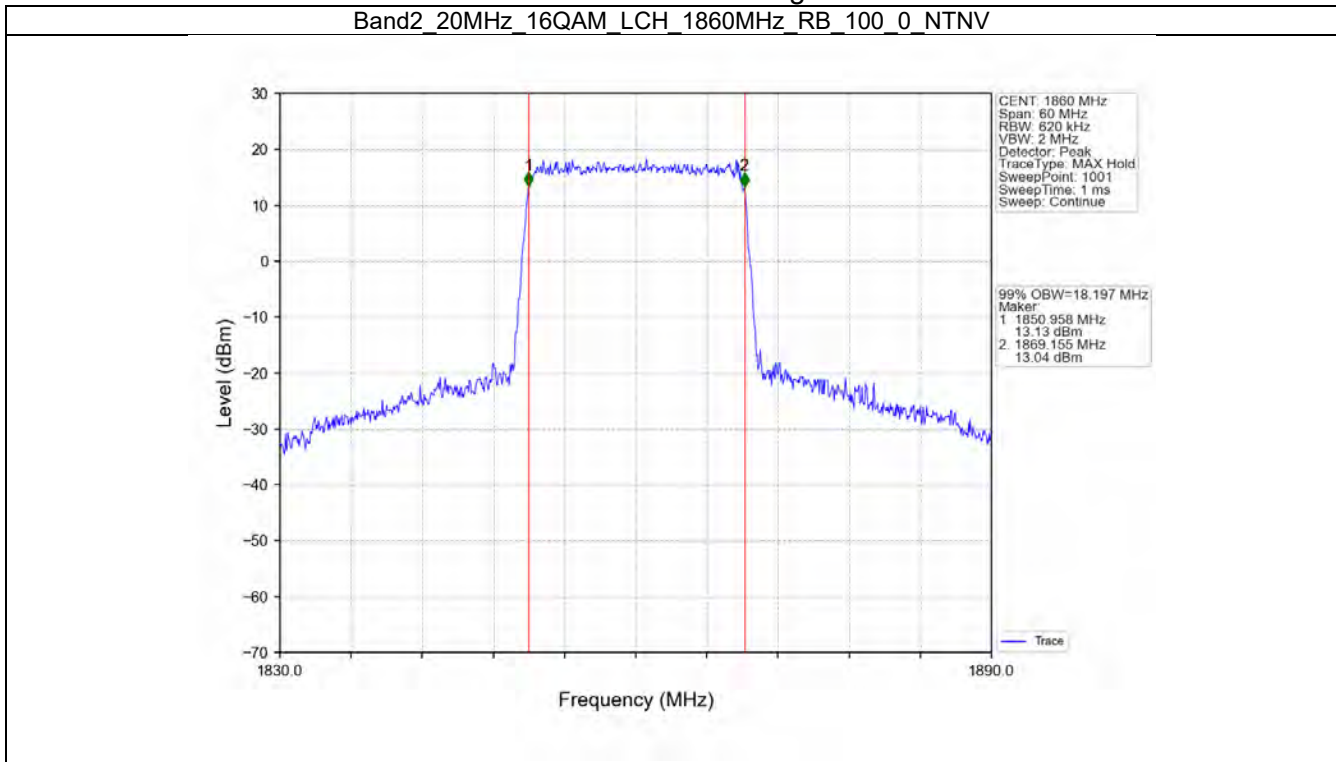
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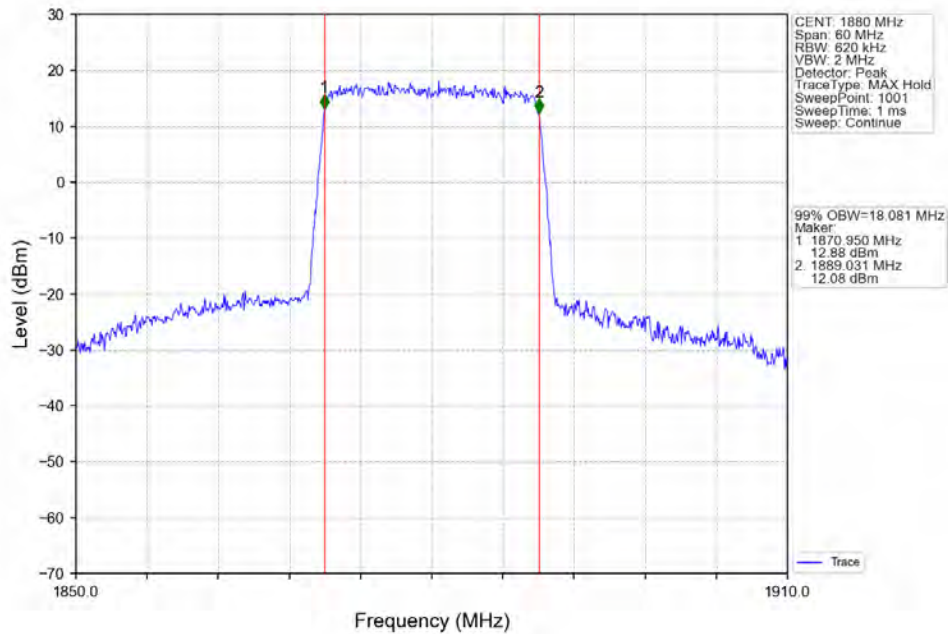
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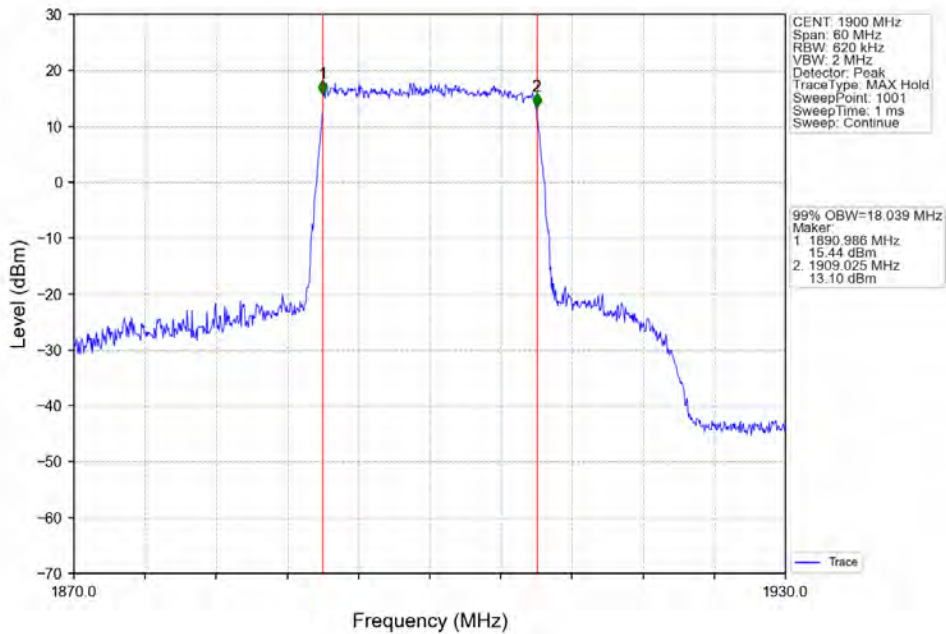
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3.2 Band2_XDB

3.2.1 Test Result

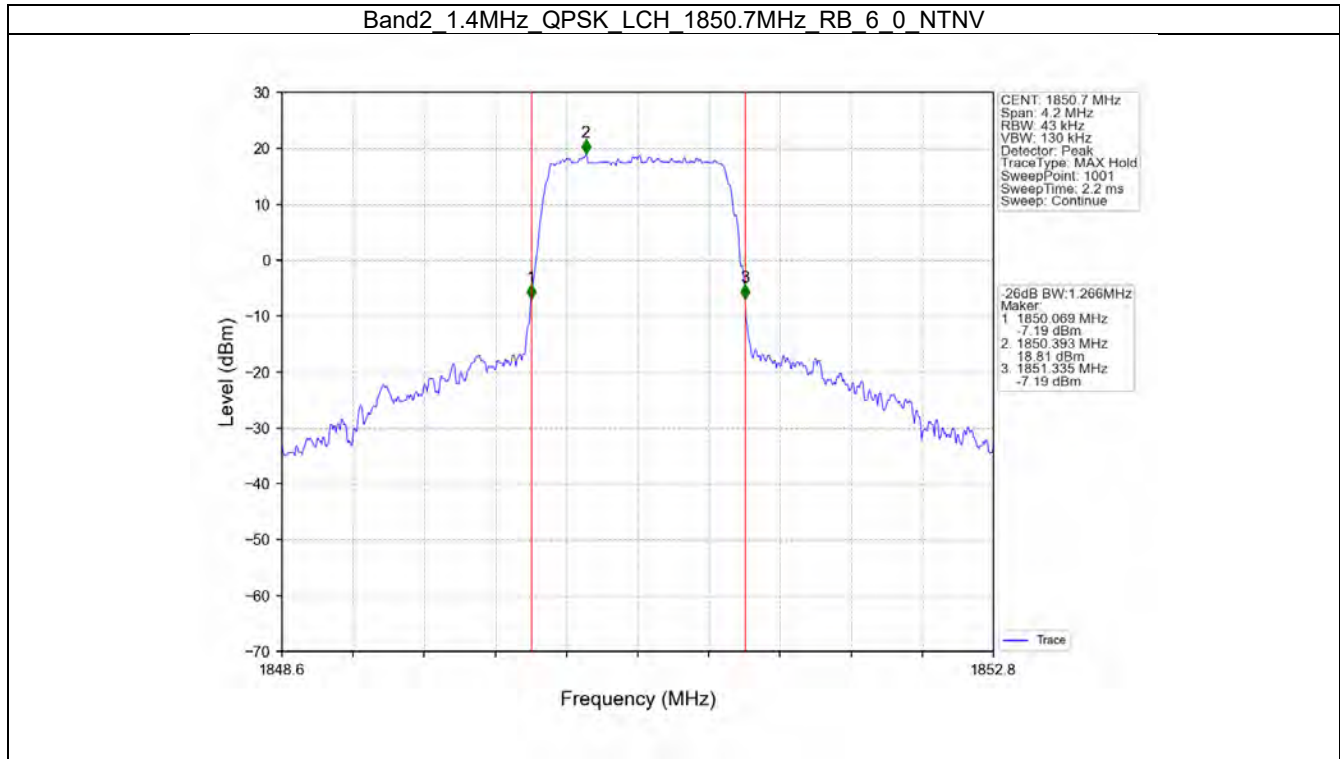
Band: 2 / NTN							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	1850.7	6	0	1.266	/	Pass
		1880	6	0	1.263	/	Pass
		1909.3	6	0	1.261	/	Pass
	16QAM	1850.7	6	0	1.250	/	Pass
		1880	6	0	1.263	/	Pass
		1909.3	6	0	1.258	/	Pass
3	QPSK	1851.5	15	0	3.074	/	Pass
		1880	15	0	3.035	/	Pass
		1908.5	15	0	3.080	/	Pass
	16QAM	1851.5	15	0	3.091	/	Pass
		1880	15	0	3.071	/	Pass
		1908.5	15	0	3.089	/	Pass
5	QPSK	1852.5	25	0	5.039	/	Pass
		1880	25	0	5.061	/	Pass
		1907.5	25	0	5.044	/	Pass
	16QAM	1852.5	25	0	5.033	/	Pass
		1880	25	0	5.051	/	Pass
		1907.5	25	0	5.082	/	Pass
10	QPSK	1855	50	0	10.039	/	Pass
		1880	50	0	10.024	/	Pass
		1905	50	0	9.972	/	Pass
	16QAM	1855	50	0	9.970	/	Pass
		1880	50	0	9.994	/	Pass
		1905	50	0	10.012	/	Pass
15	QPSK	1857.5	75	0	15.003	/	Pass
		1880	75	0	14.913	/	Pass
		1902.5	75	0	15.044	/	Pass
	16QAM	1857.5	75	0	14.927	/	Pass
		1880	75	0	14.901	/	Pass
		1902.5	75	0	14.894	/	Pass
20	QPSK	1860	100	0	19.652	/	Pass
		1880	100	0	19.960	/	Pass
		1900	100	0	19.986	/	Pass
	16QAM	1860	100	0	19.811	/	Pass
		1880	100	0	19.809	/	Pass
		1900	100	0	19.868	/	Pass



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3.2.2 Test Graph



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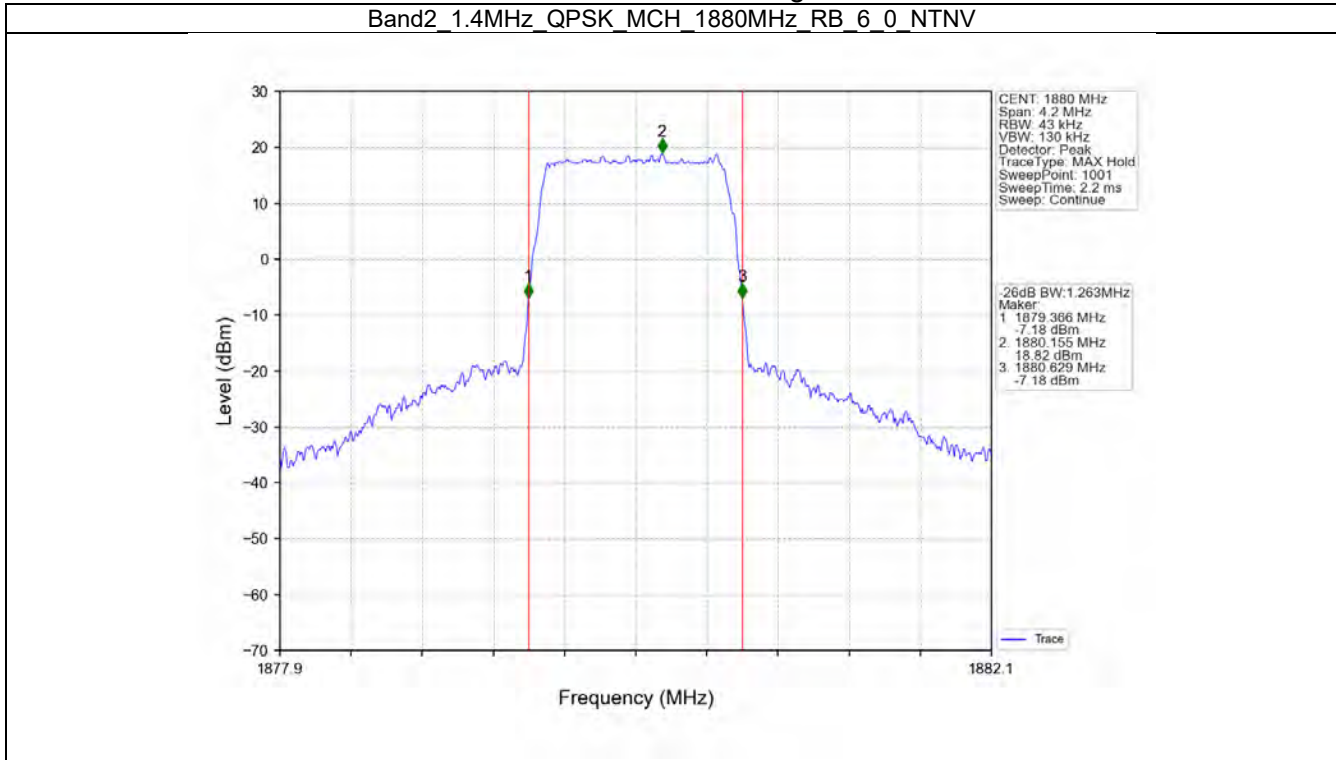
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Band2_1.4MHz_QPSK_MCH_1880MHz_RB_6_0_NTNV



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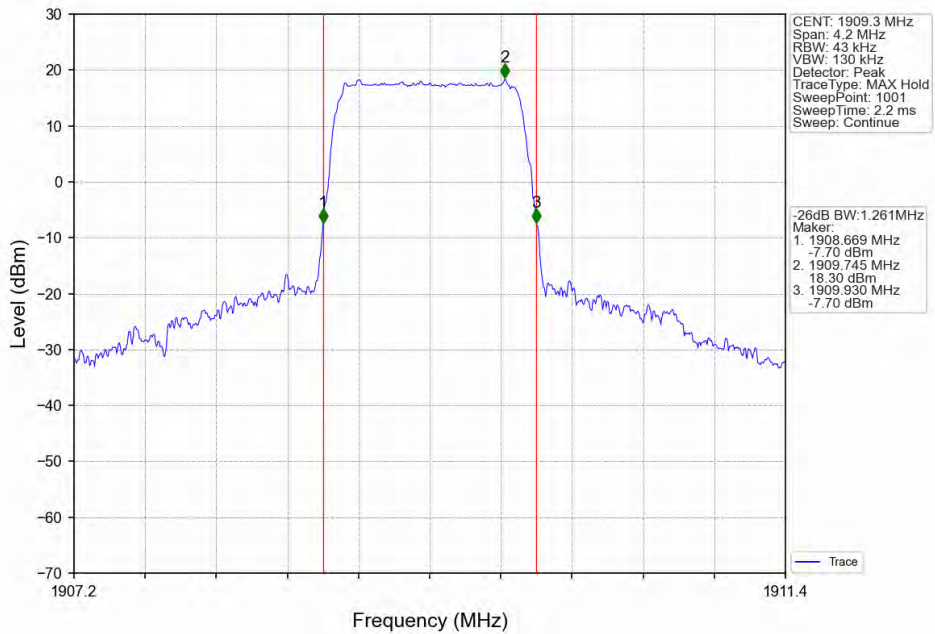
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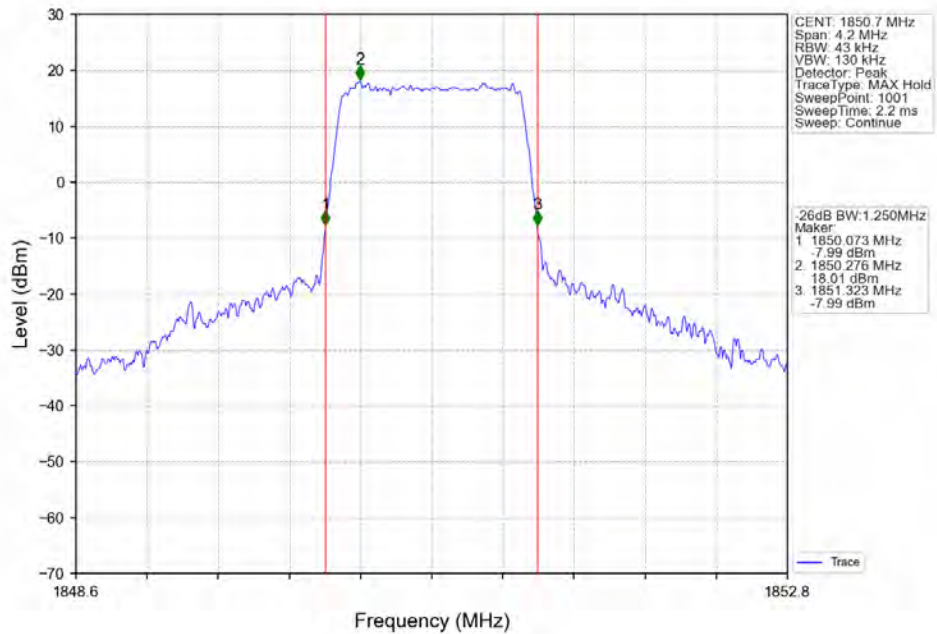
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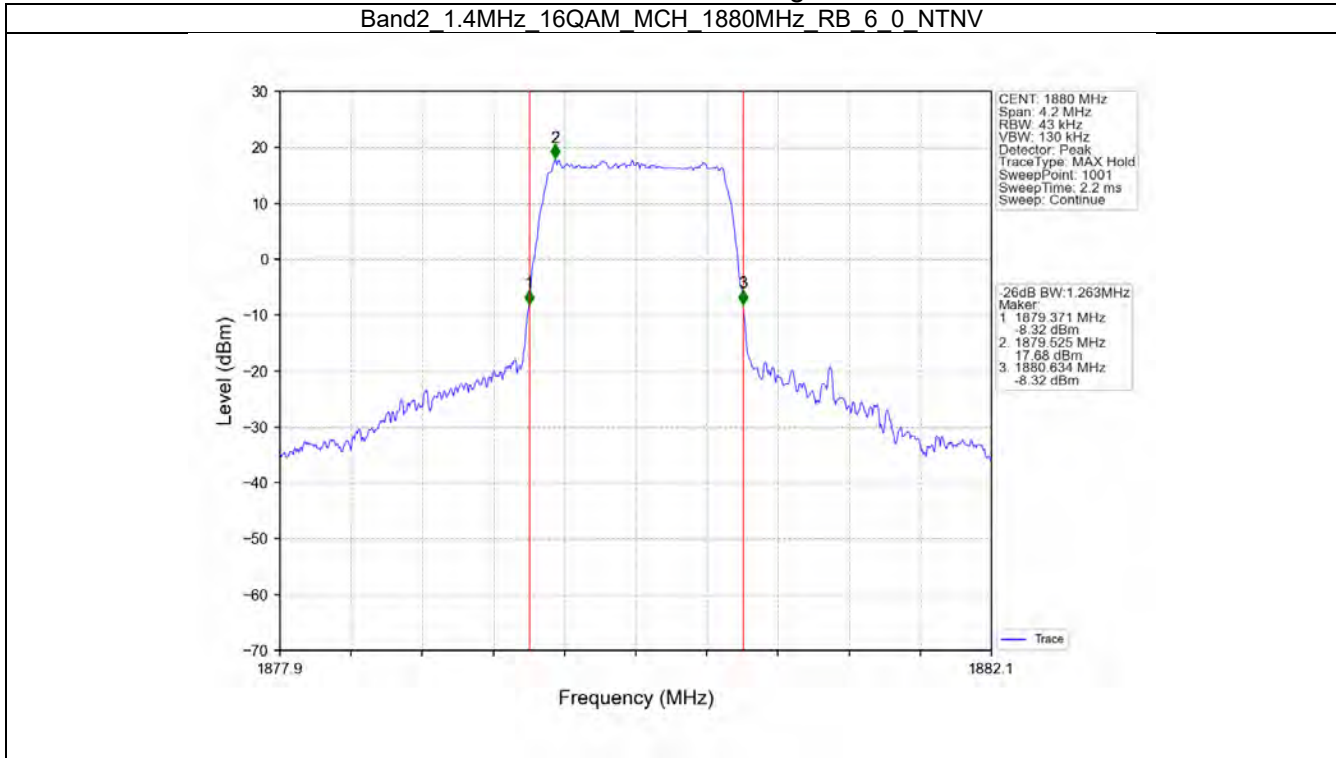
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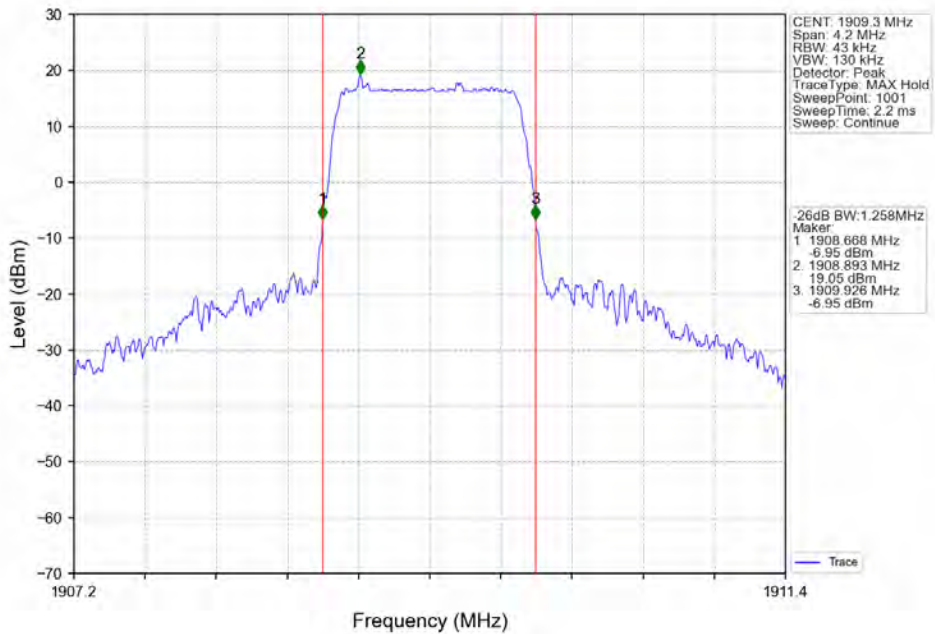
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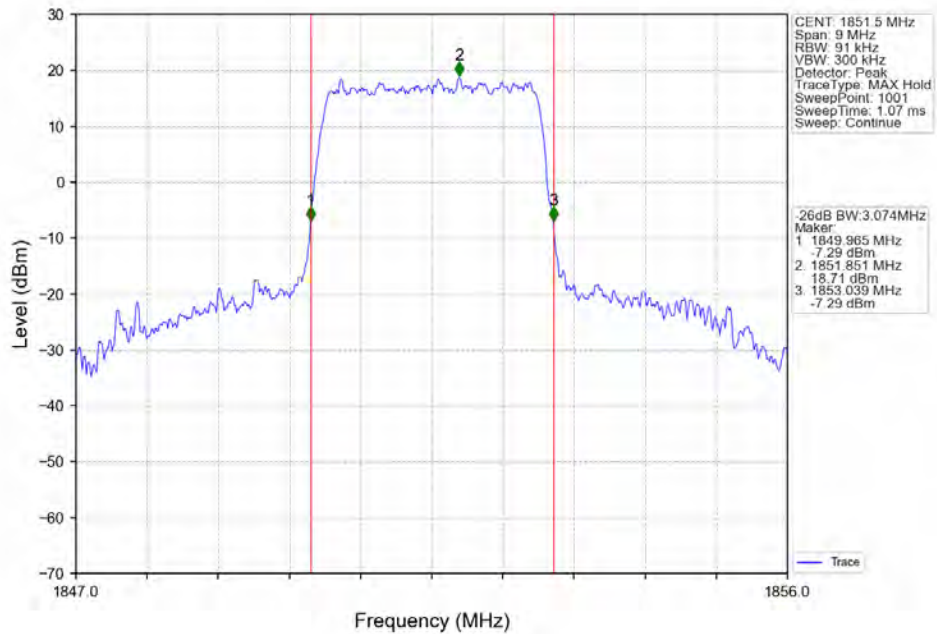
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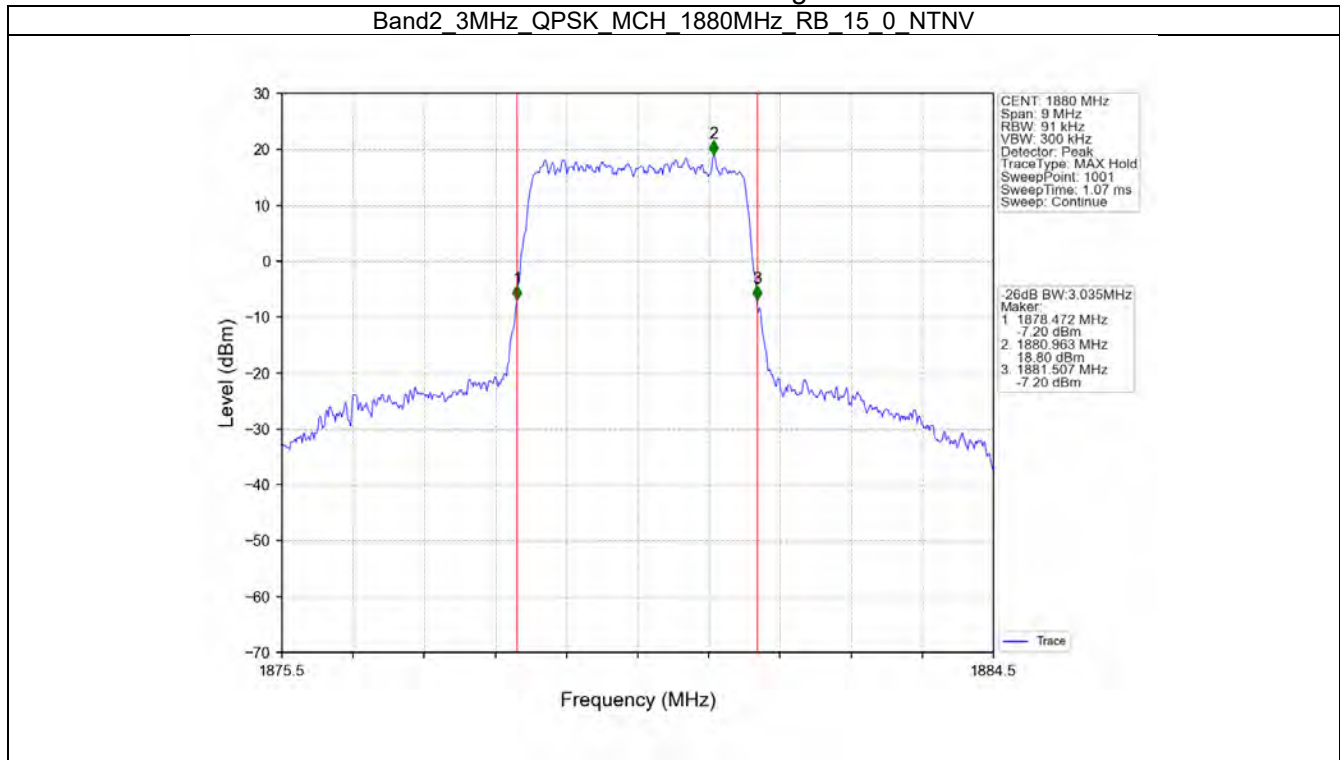
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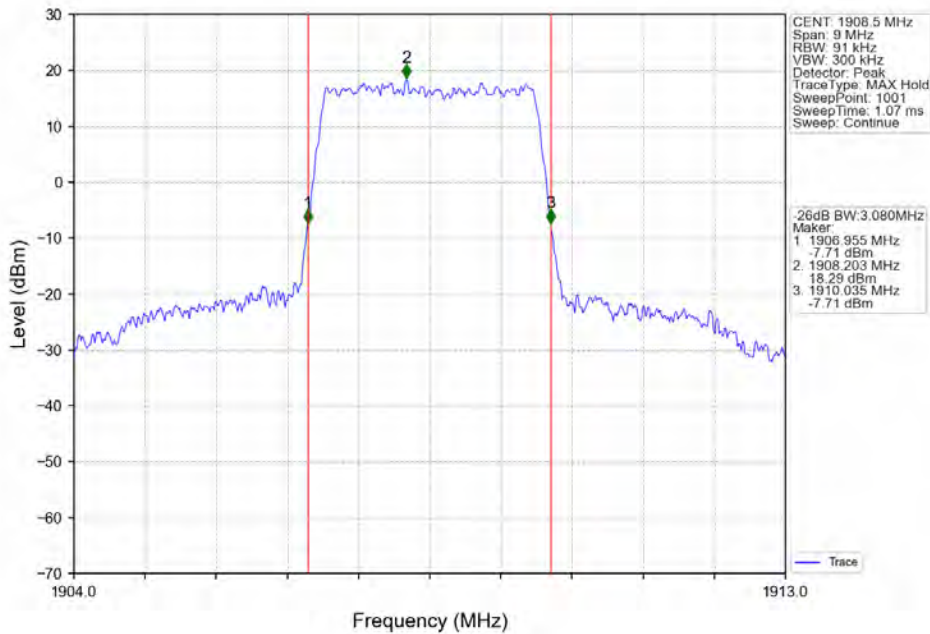
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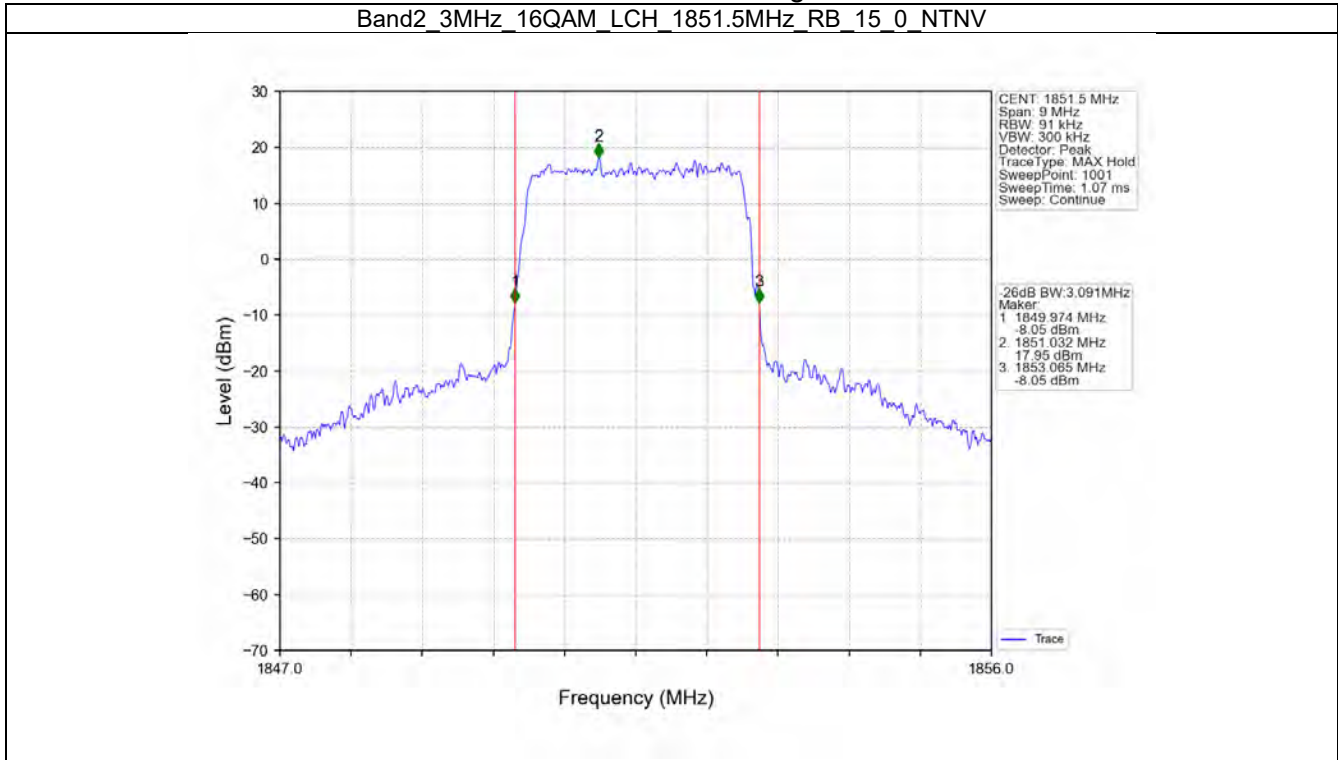
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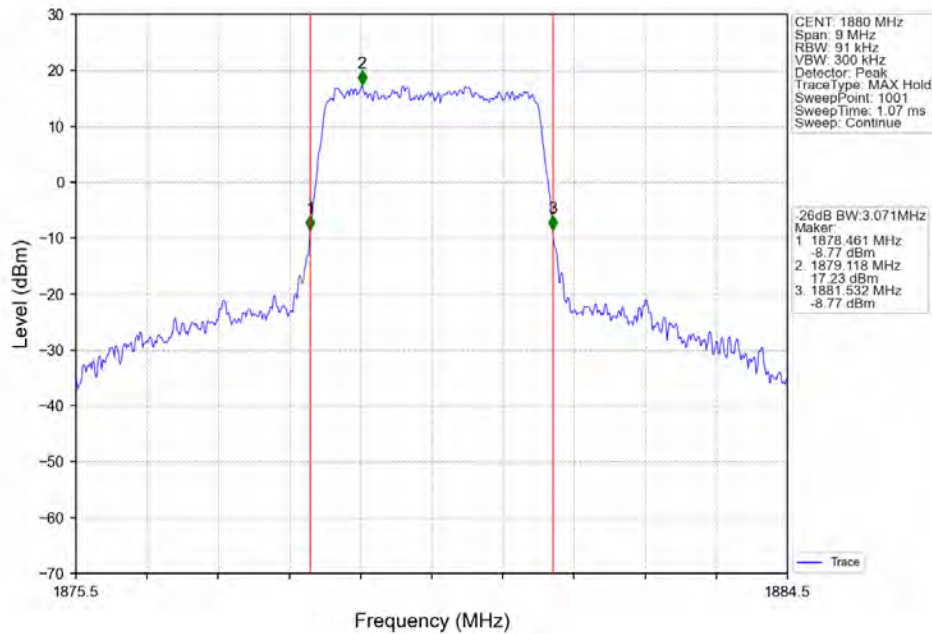
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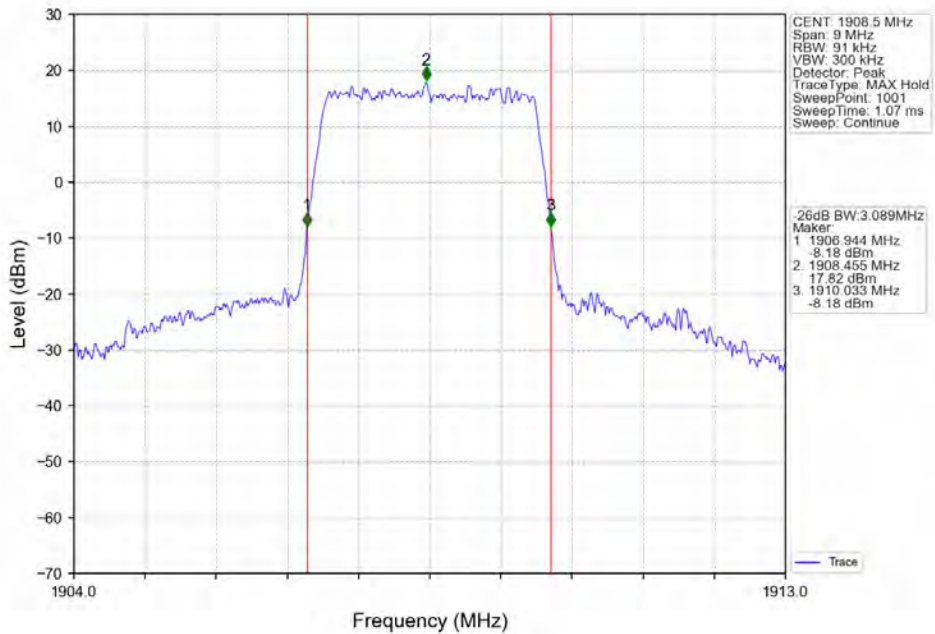
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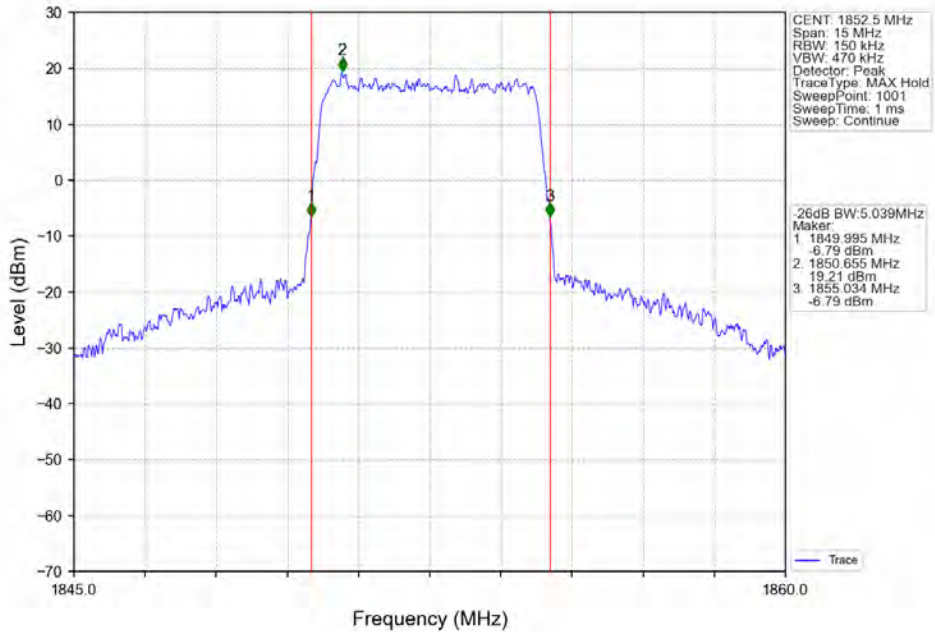
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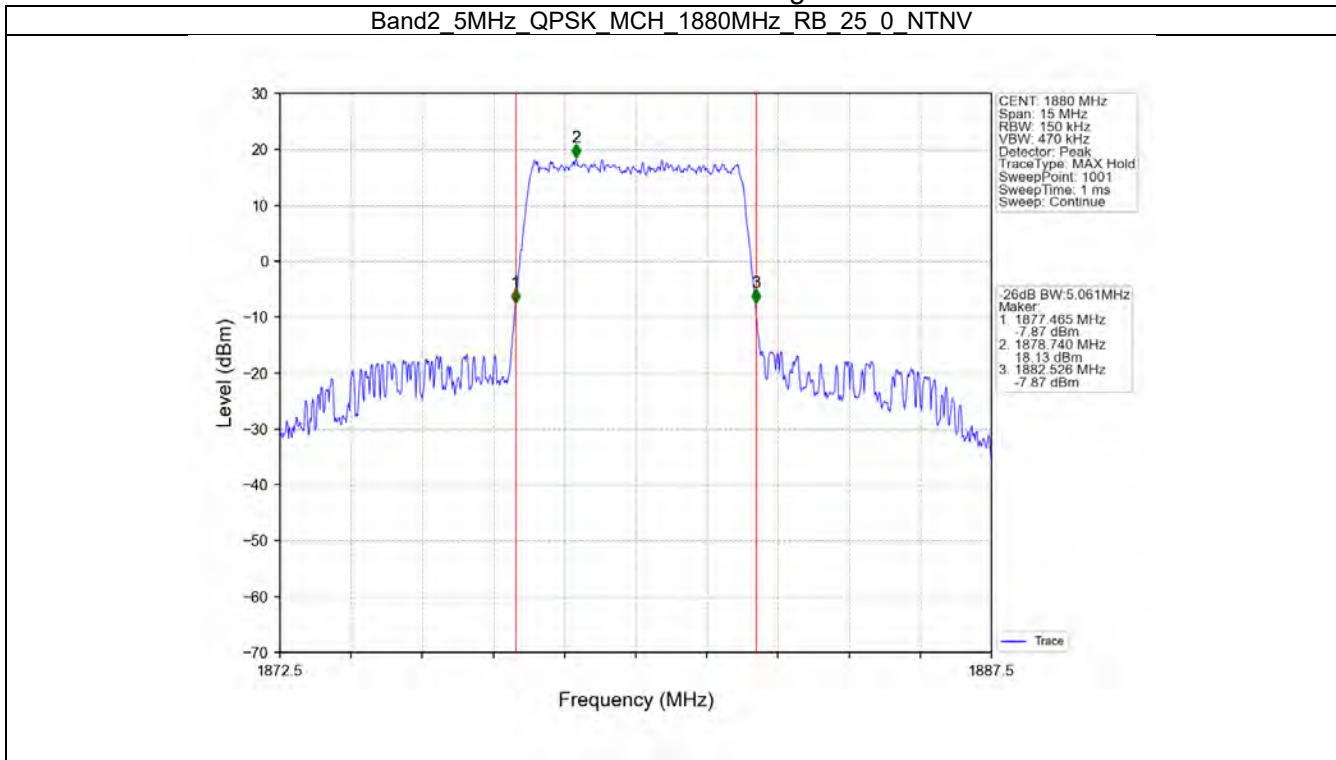
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Band2_5MHz_QPSK_MCH_1880MHz_RB_25_0_NTNV



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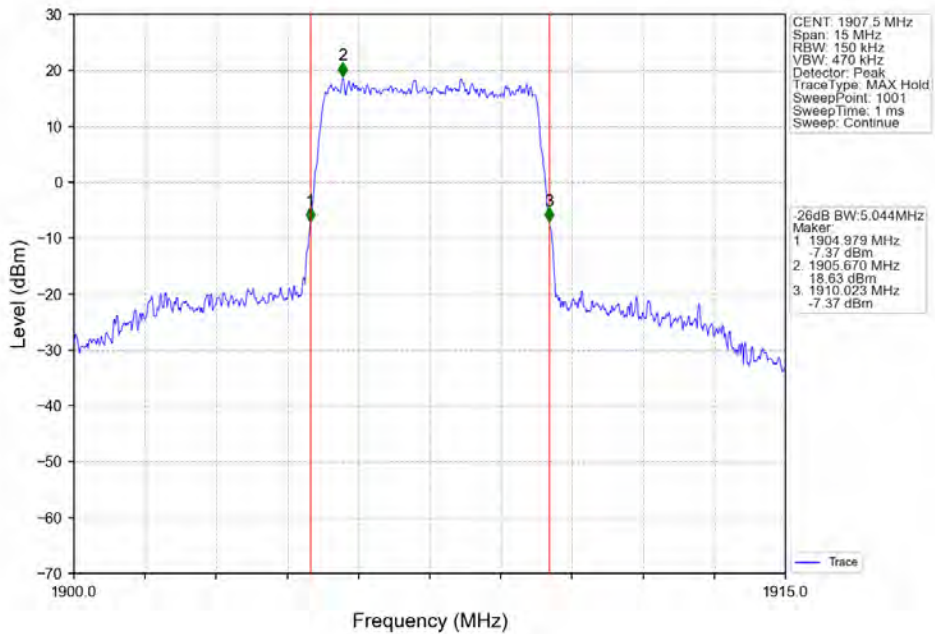
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Band2_5MHz_QPSK_HCH_1907.5MHz_RB_25_0_NTNV



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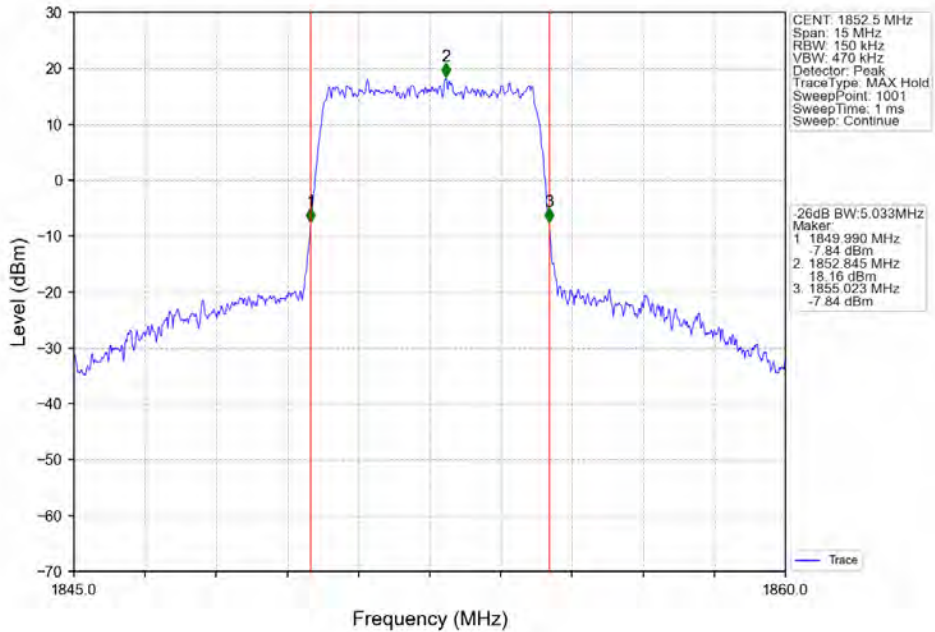
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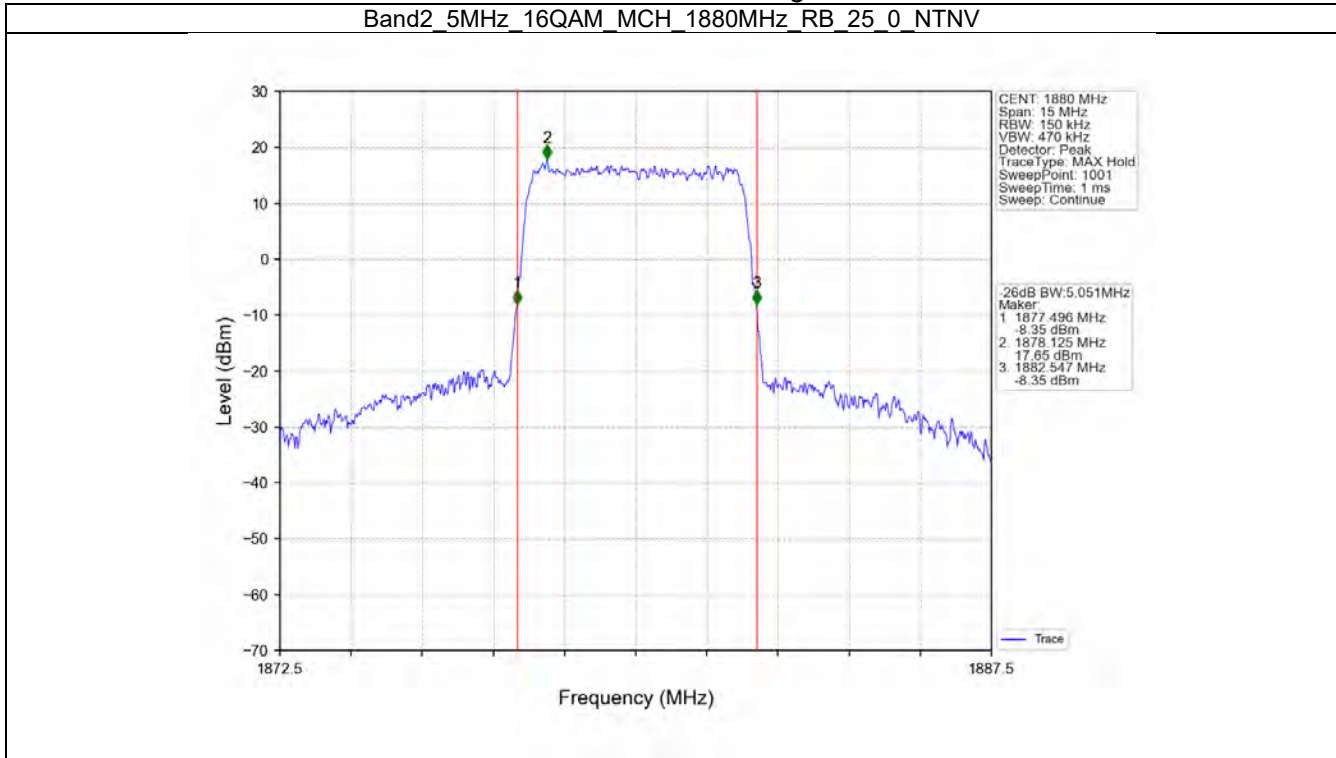
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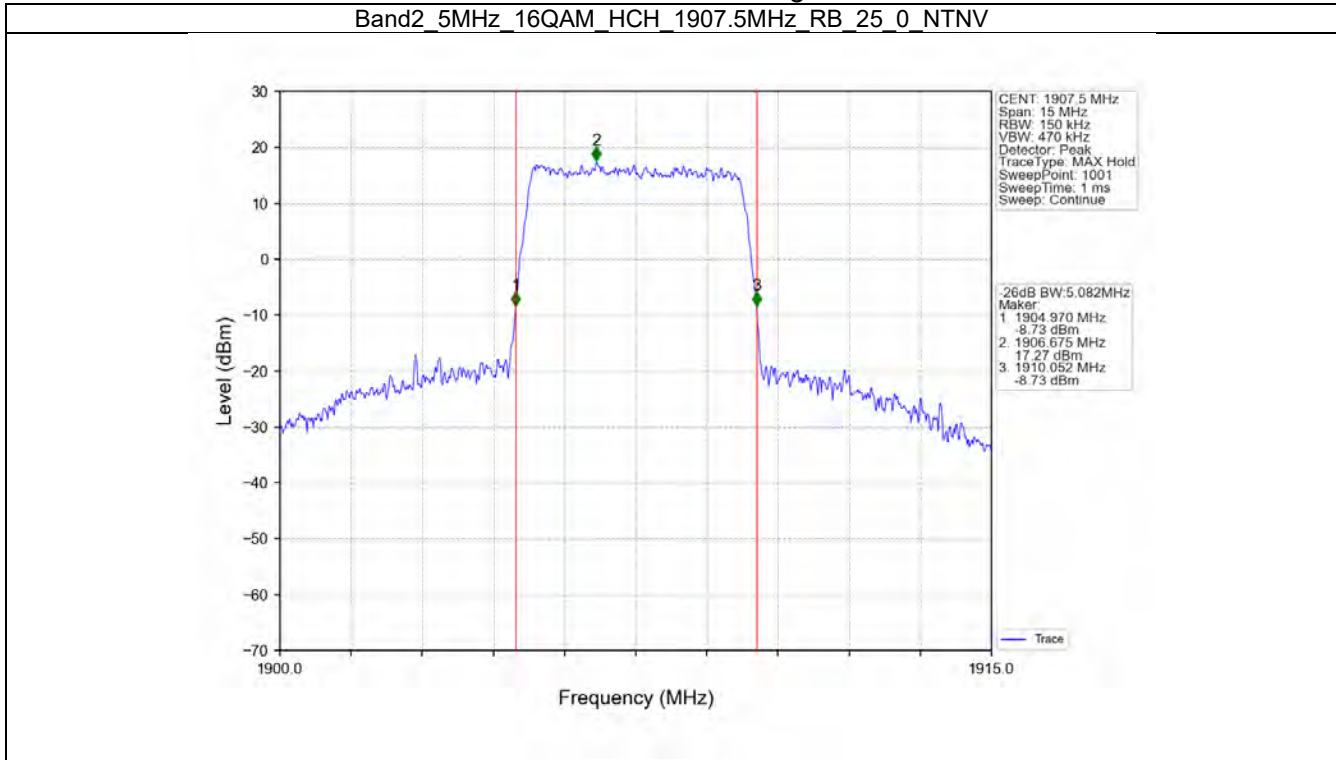
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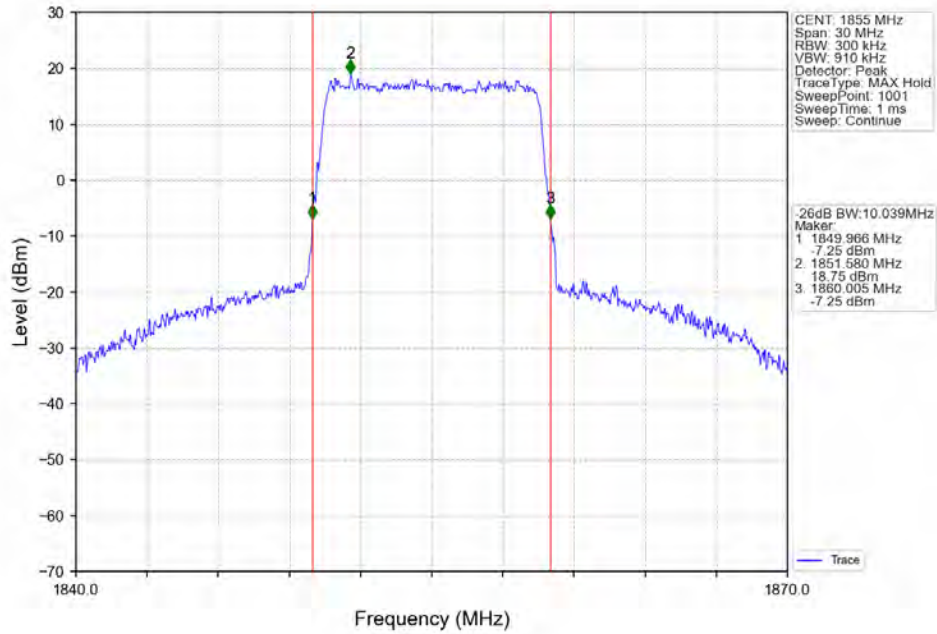
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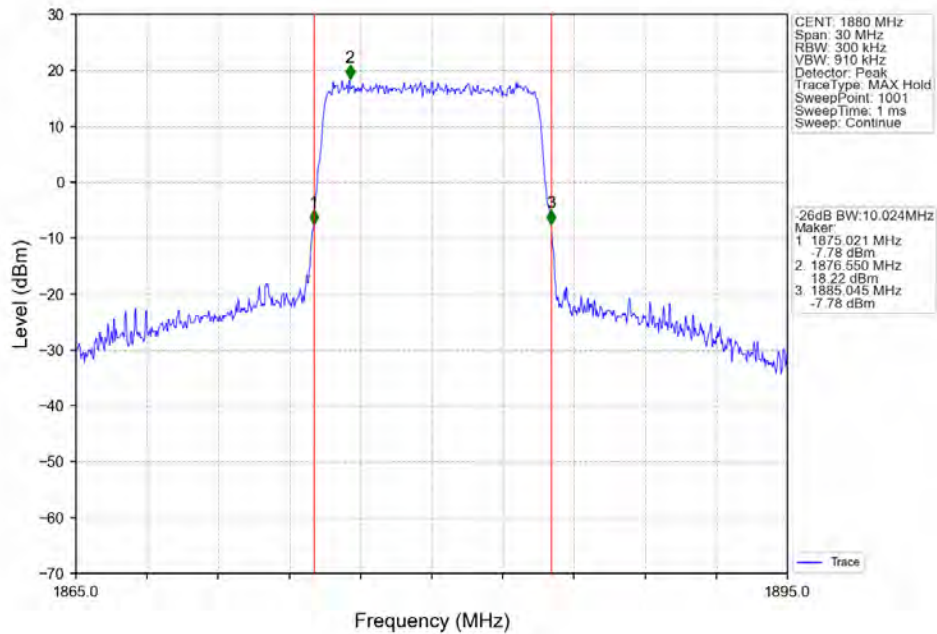
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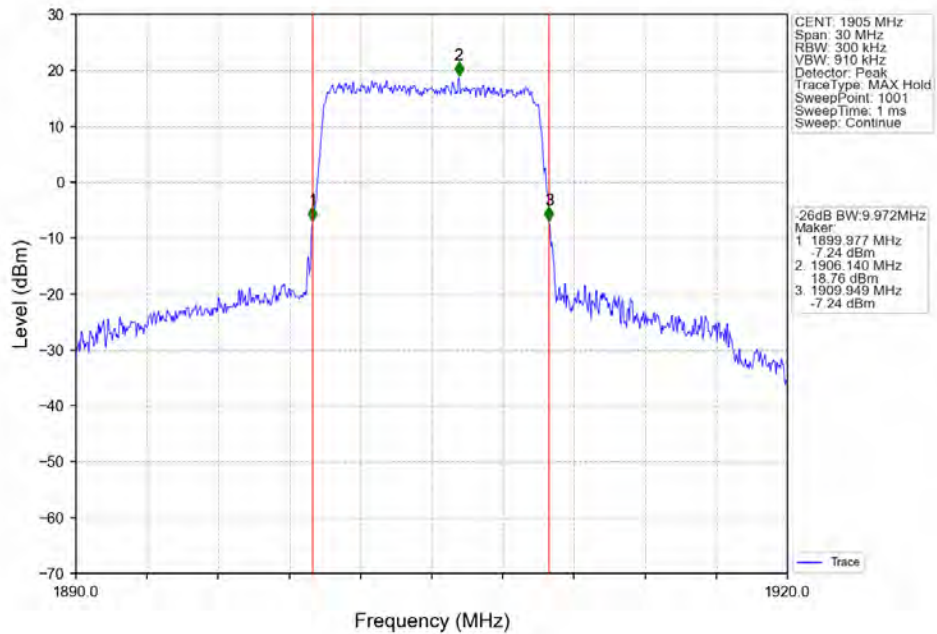
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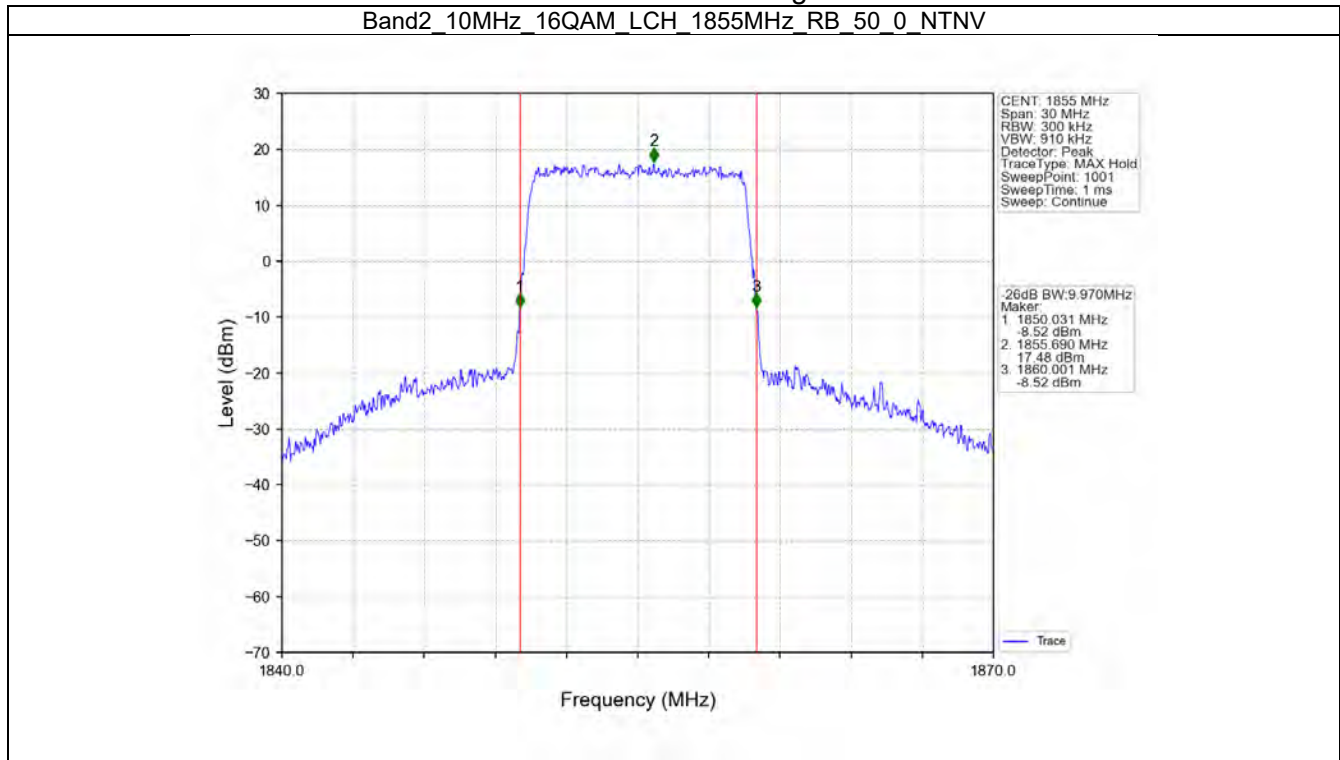
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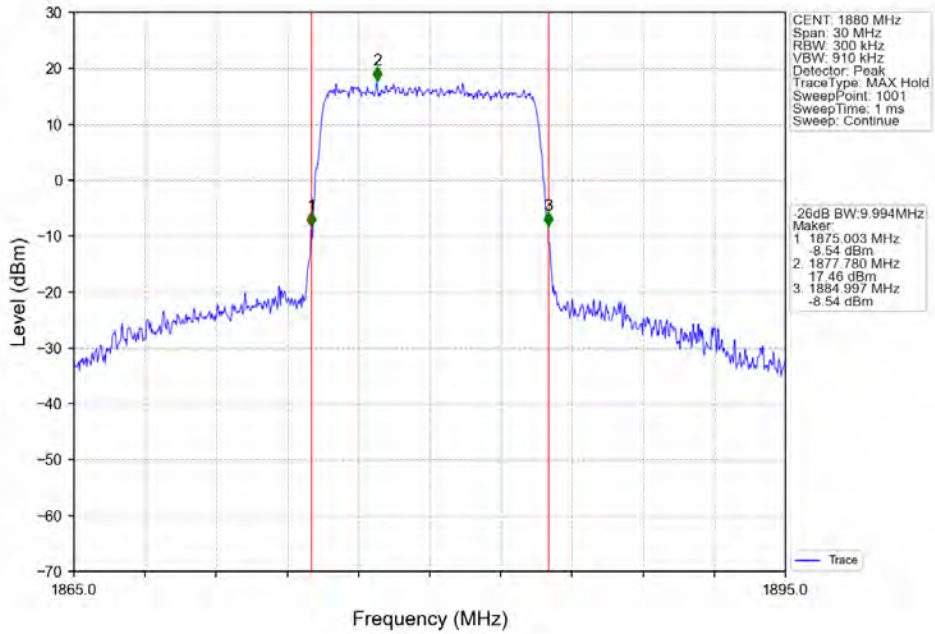
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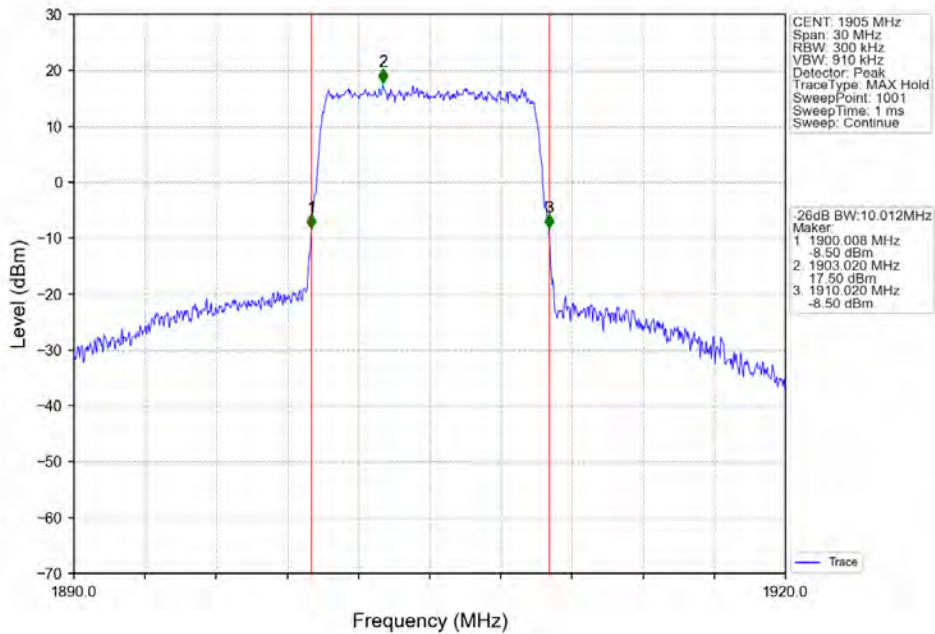
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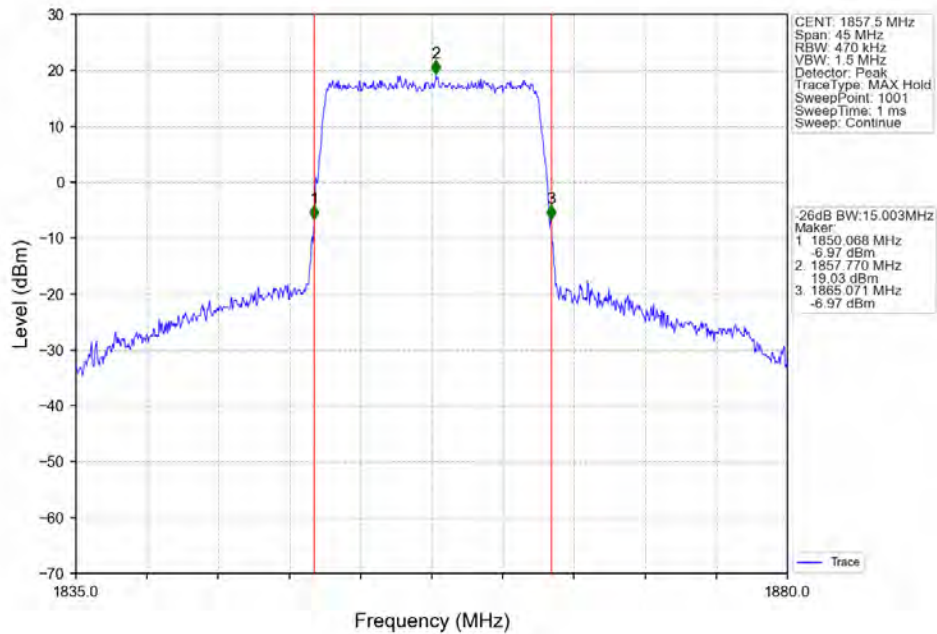
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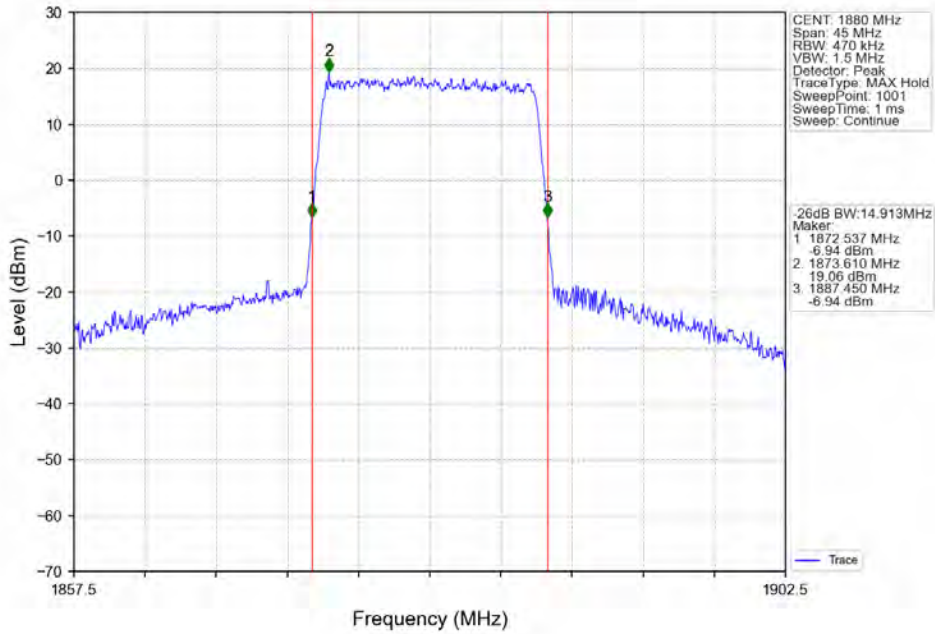
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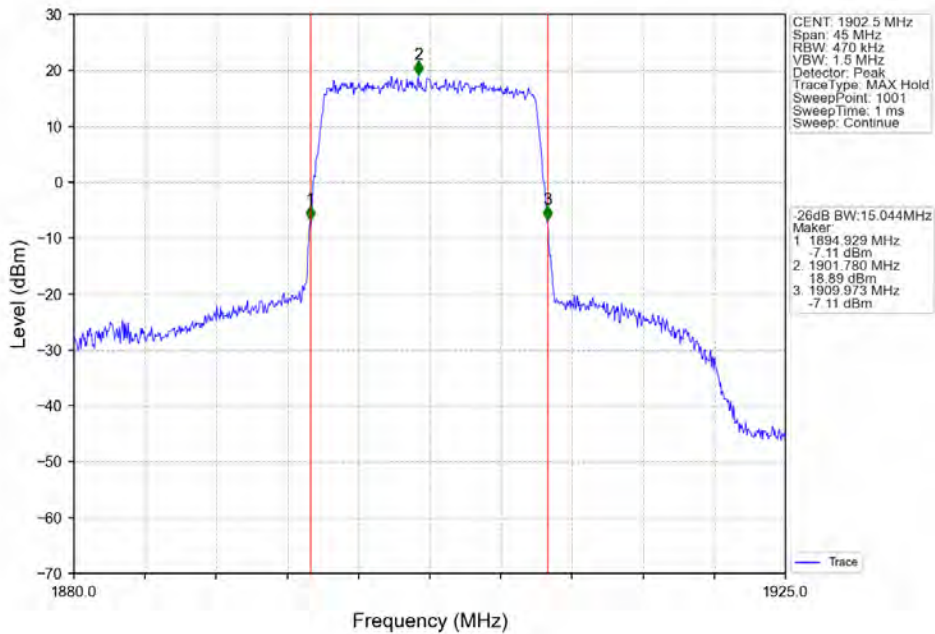
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Band2_15MHz_QPSK_HCH_1902.5MHz_RB_75_0_NTNV



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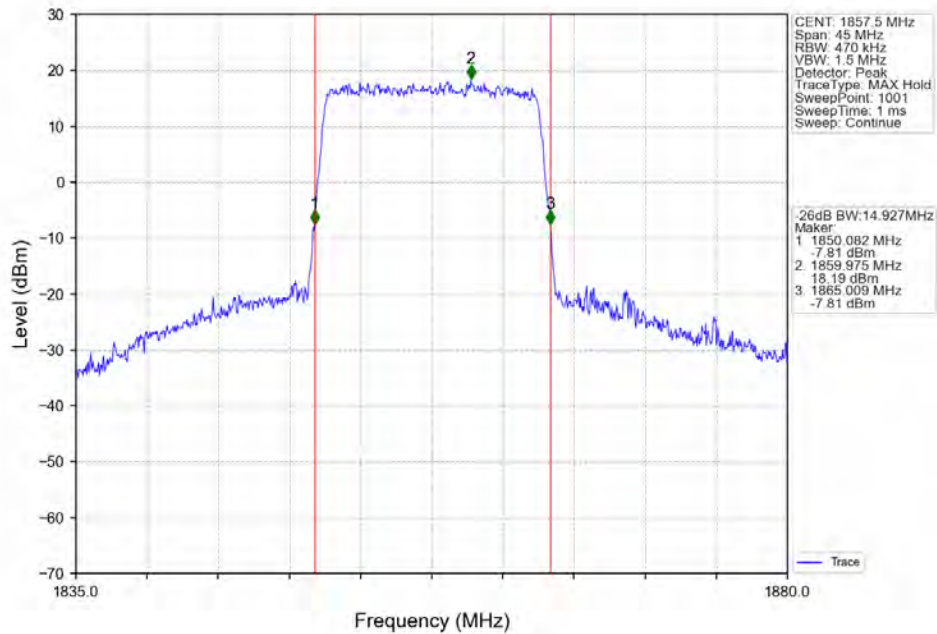
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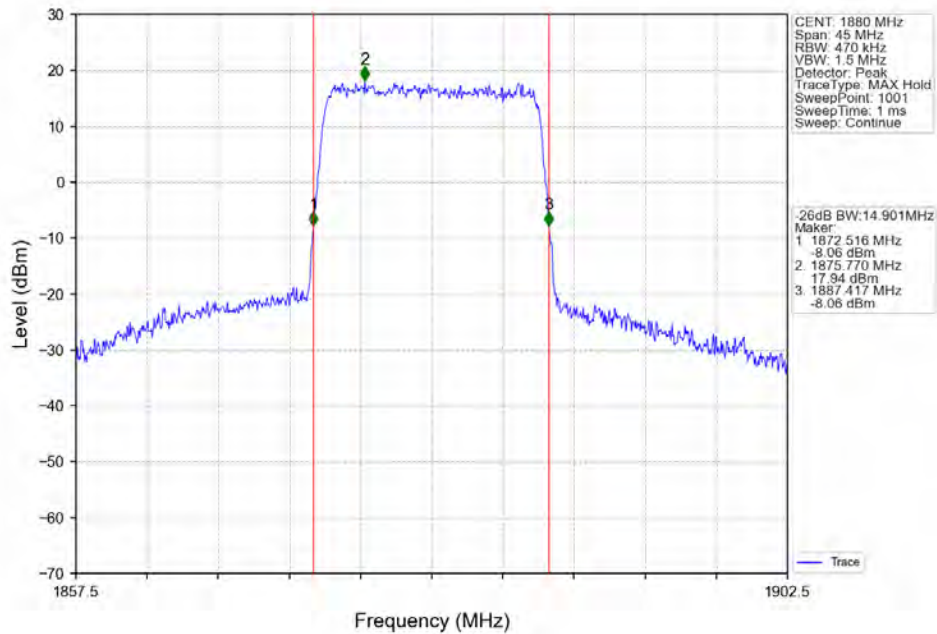
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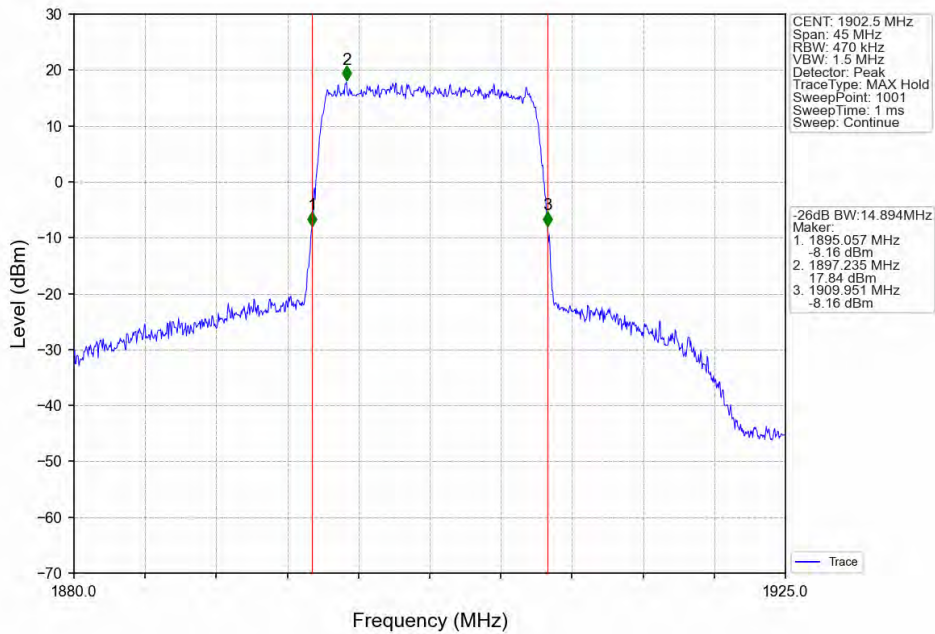
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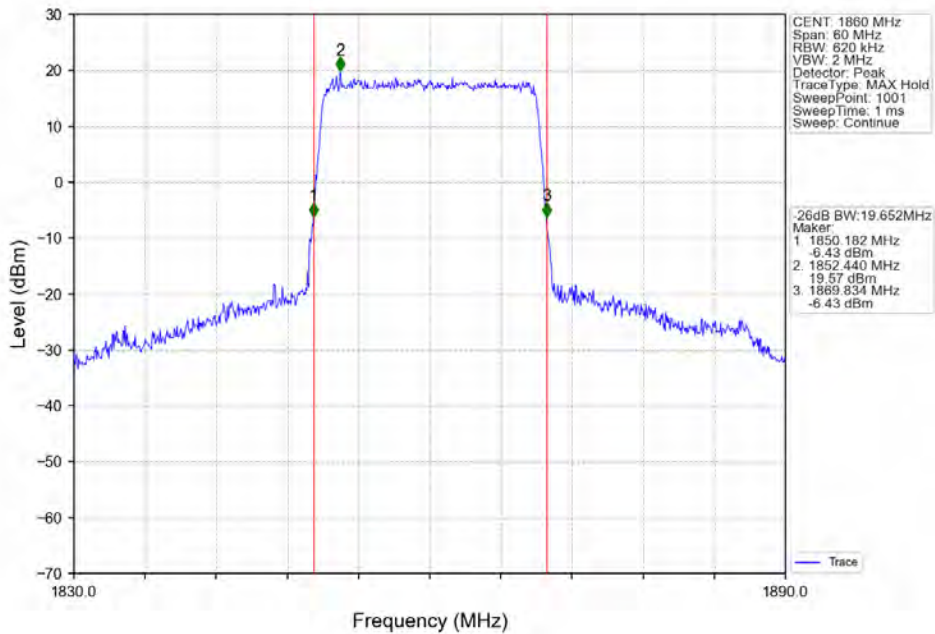
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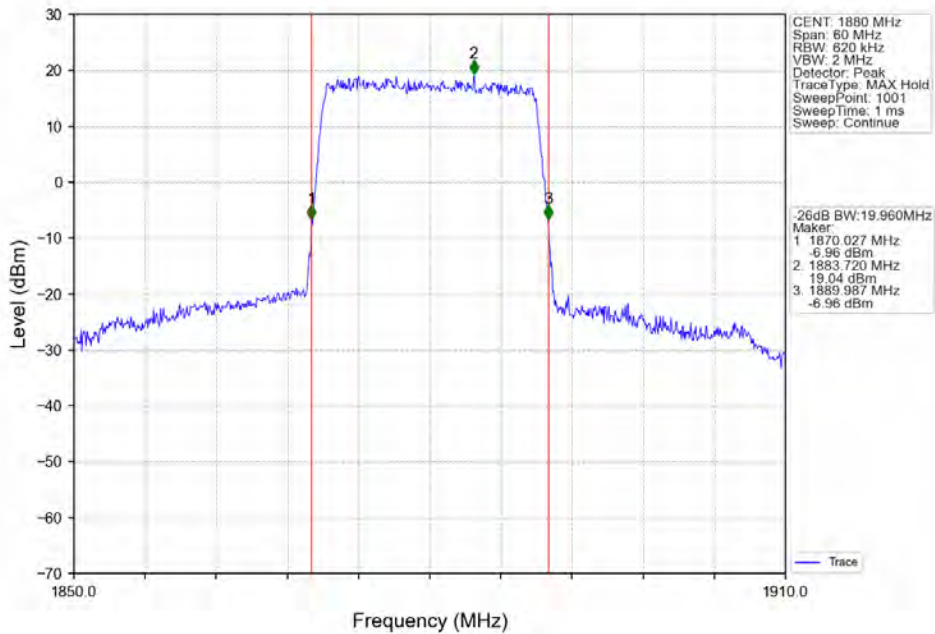
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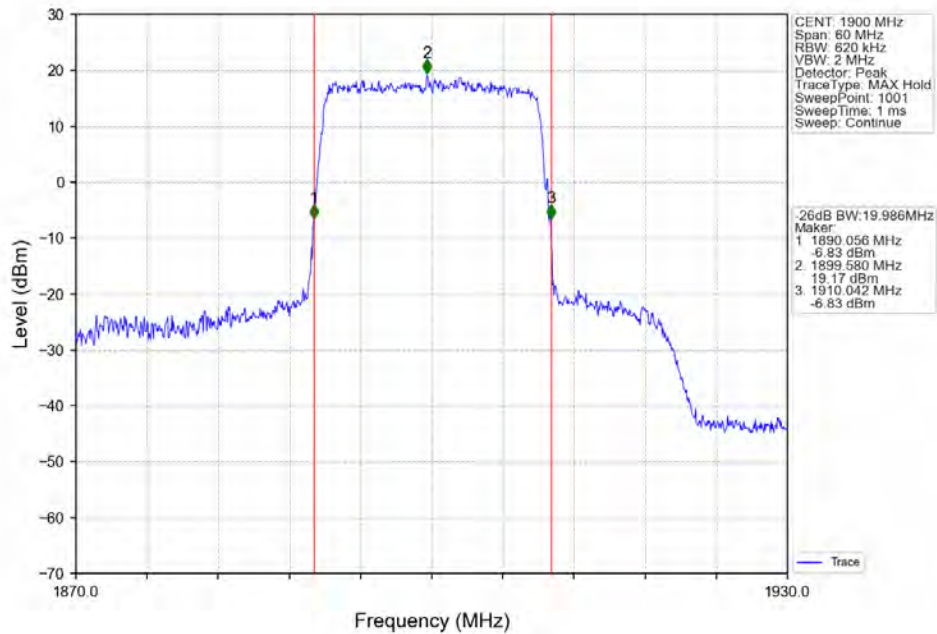
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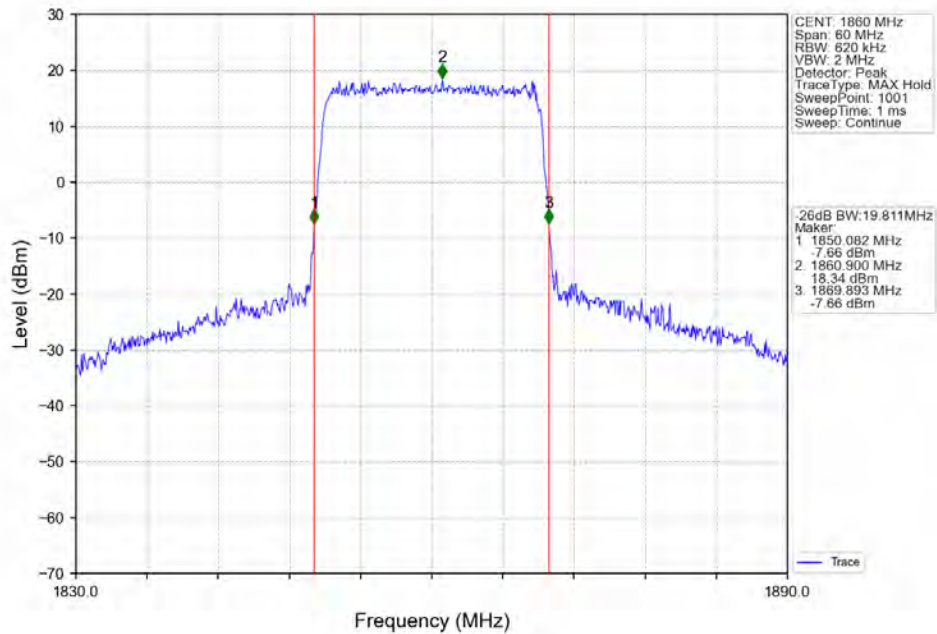
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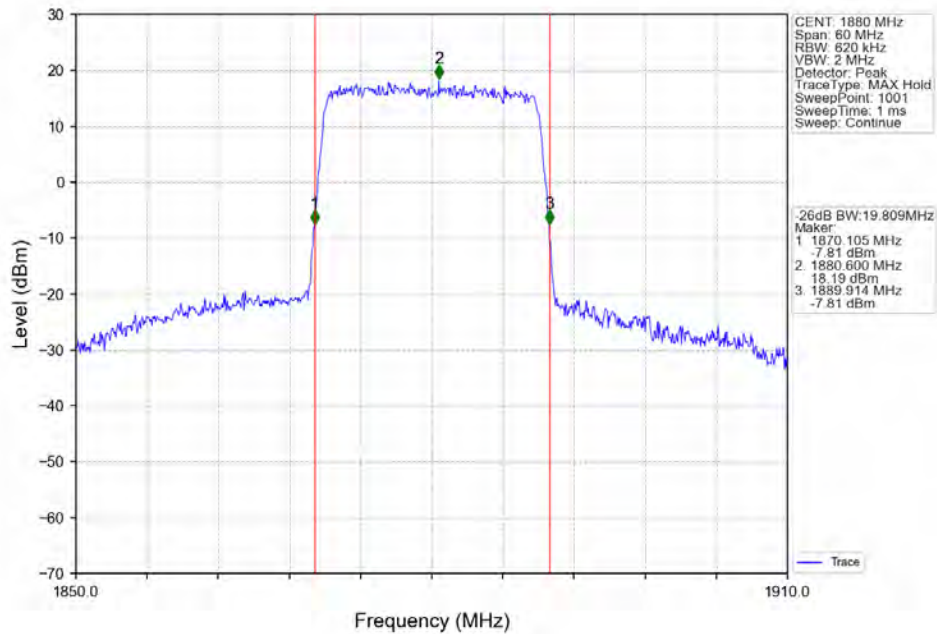
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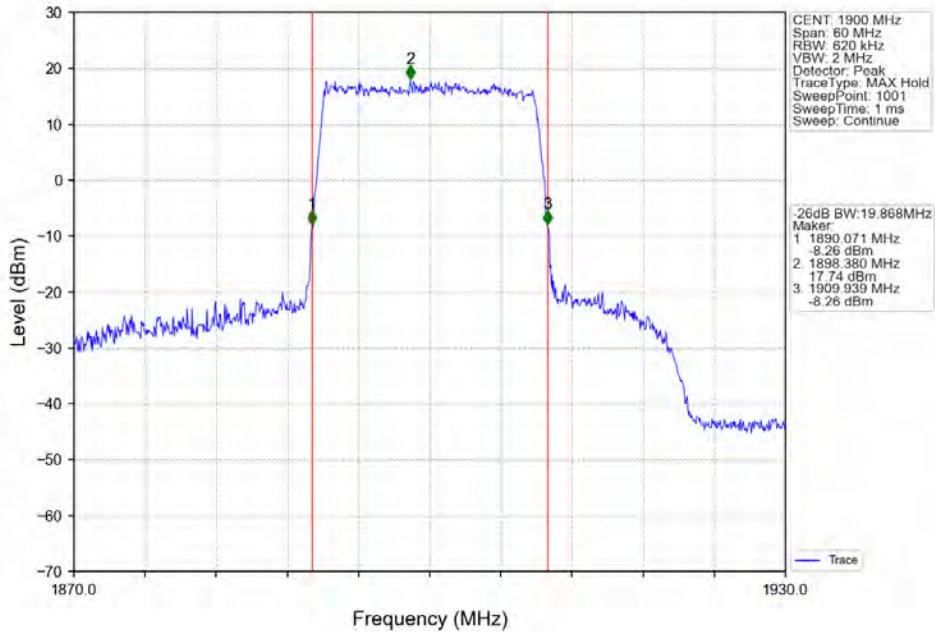
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4. Peak-Average Ratio

4.1 B2_1.4MHz

4.1.1 Test Result

Band: 2 / Bandwidth: 1.4MHz / NTN							
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict	
		Size	Offset	Result	Limit		
QPSK	1850.7	6	0	5.08	<=13	Pass	
	1880	6	0	5.25	<=13	Pass	
	1909.3	6	0	4.94	<=13	Pass	
16QAM	1850.7	6	0	5.98	<=13	Pass	
	1880	6	0	6.08	<=13	Pass	
	1909.3	6	0	5.79	<=13	Pass	



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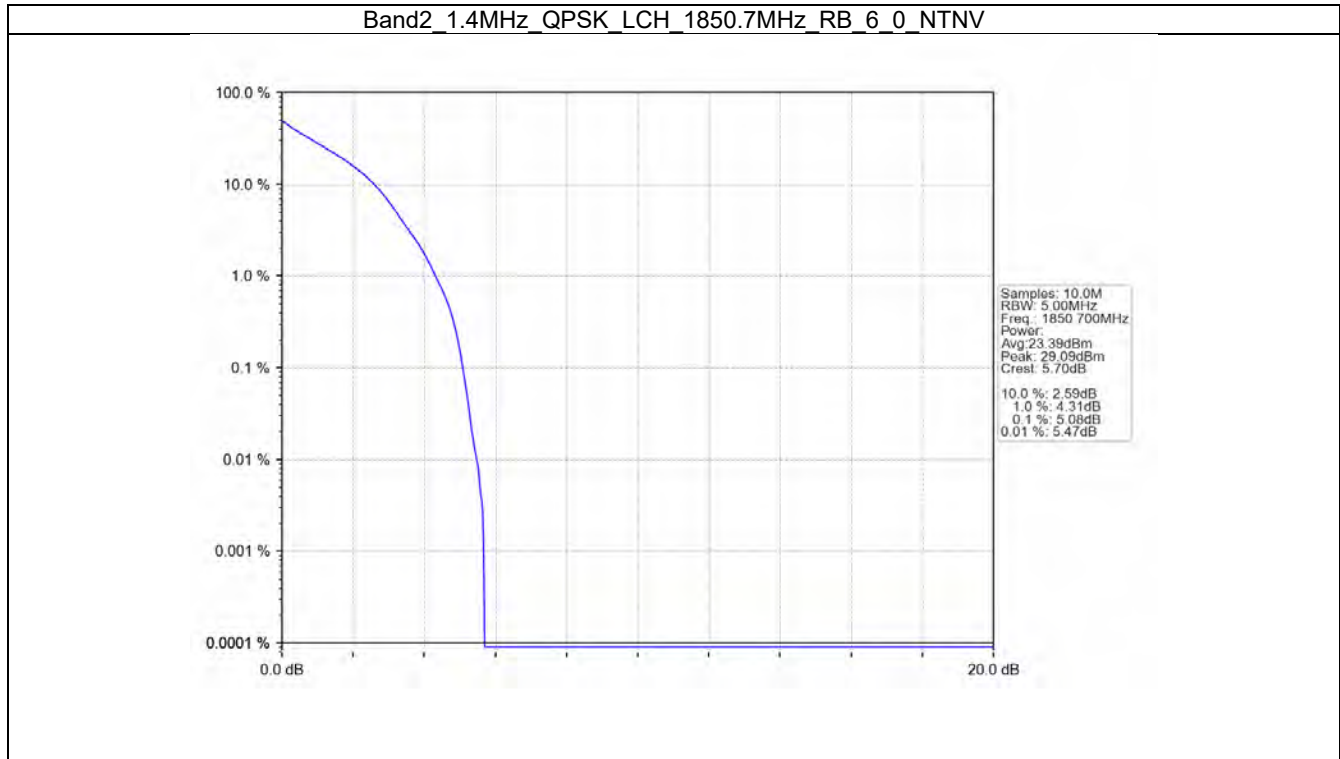
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 Wireless Laboratory

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4.1.2 Test Graph



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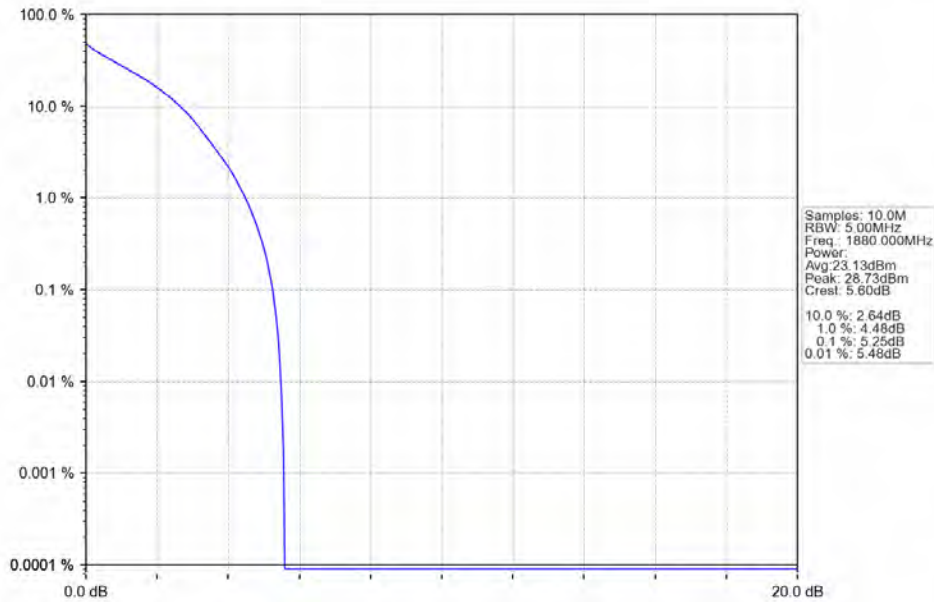
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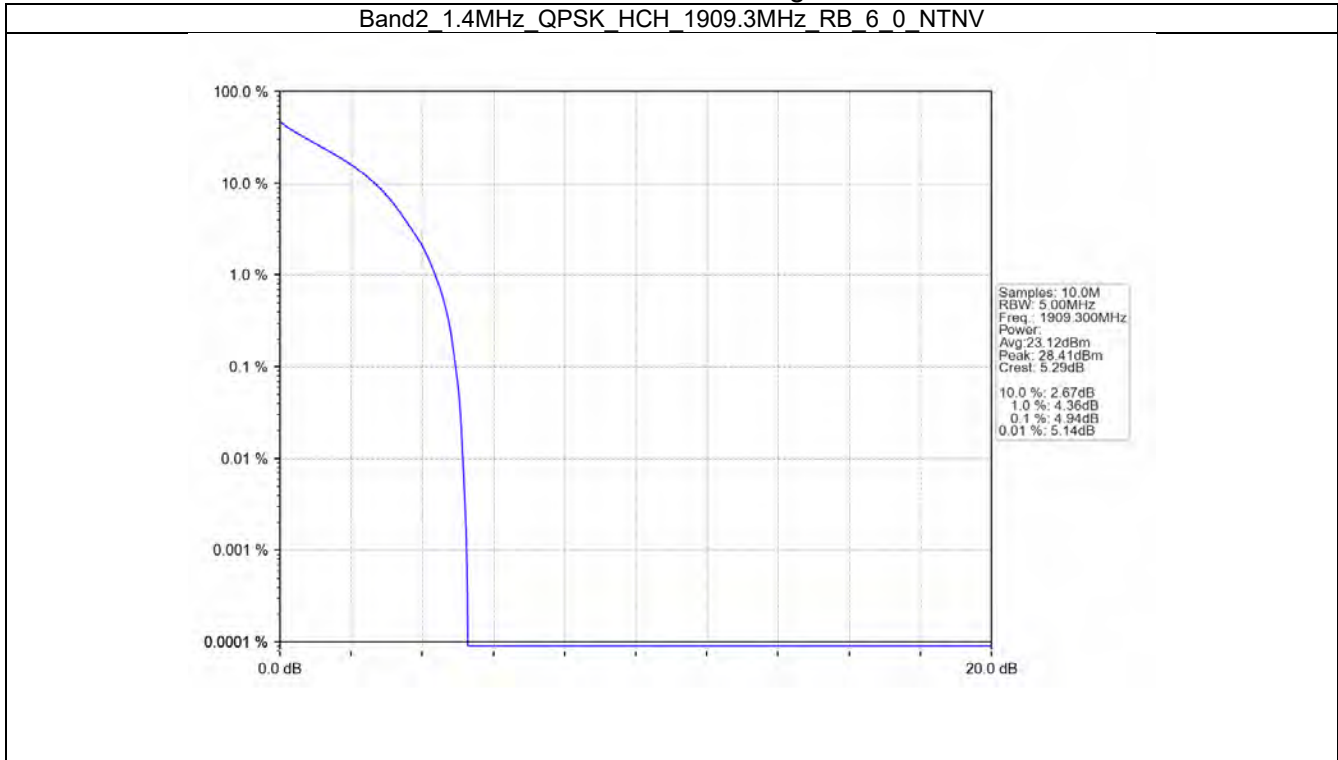
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Band2_1.4MHz_QPSK_HCH_1909.3MHz_RB_6_0_NTNV



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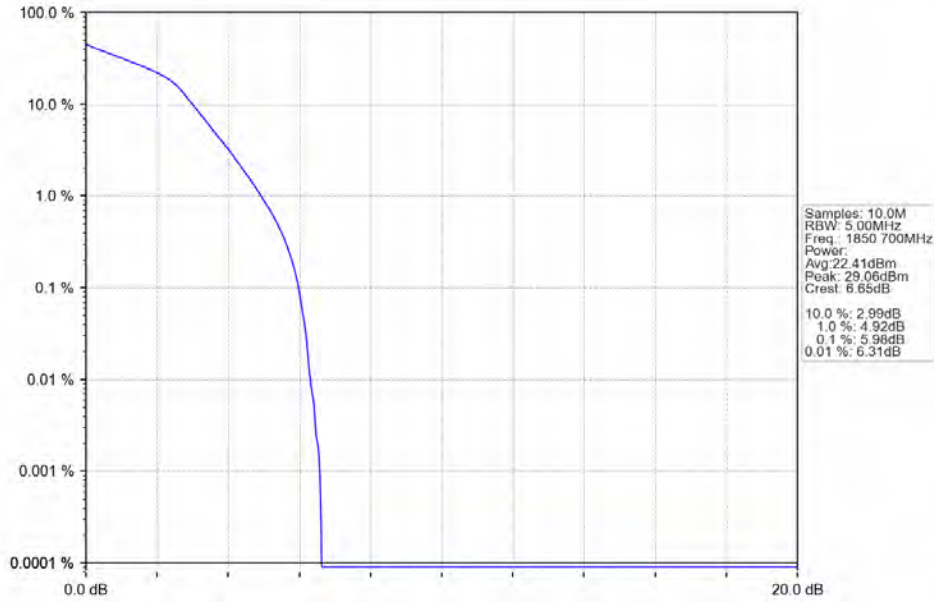
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Band2_1.4MHz_16QAM_LCH_1850.7MHz_RB_6_0_NTNV



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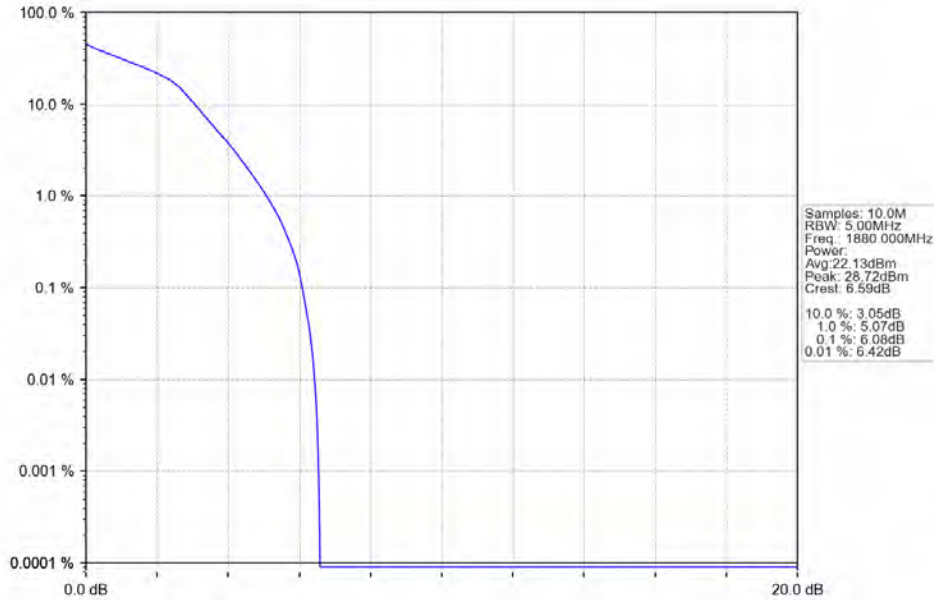
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Band2_1.4MHz_16QAM_MCH_1880MHz_RB_6_0_NTNV



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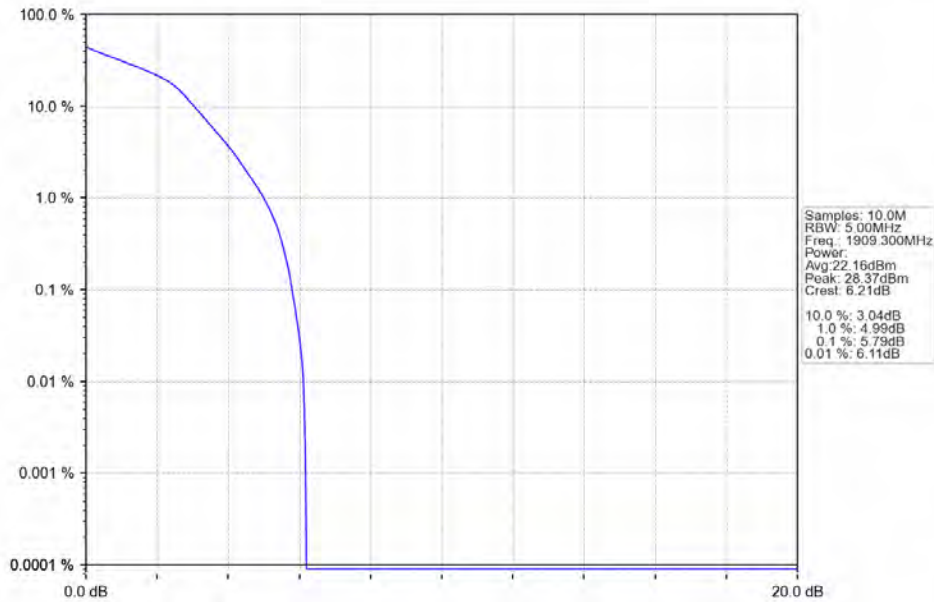
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4.2 B2_3MHz

4.2.1 Test Result

Band: 2 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1851.5	15	0	5.18	<=13	Pass
	1880	15	0	5.36	<=13	Pass
	1908.5	15	0	5.12	<=13	Pass
16QAM	1851.5	15	0	6.03	<=13	Pass
	1880	15	0	6.16	<=13	Pass
	1908.5	15	0	5.95	<=13	Pass



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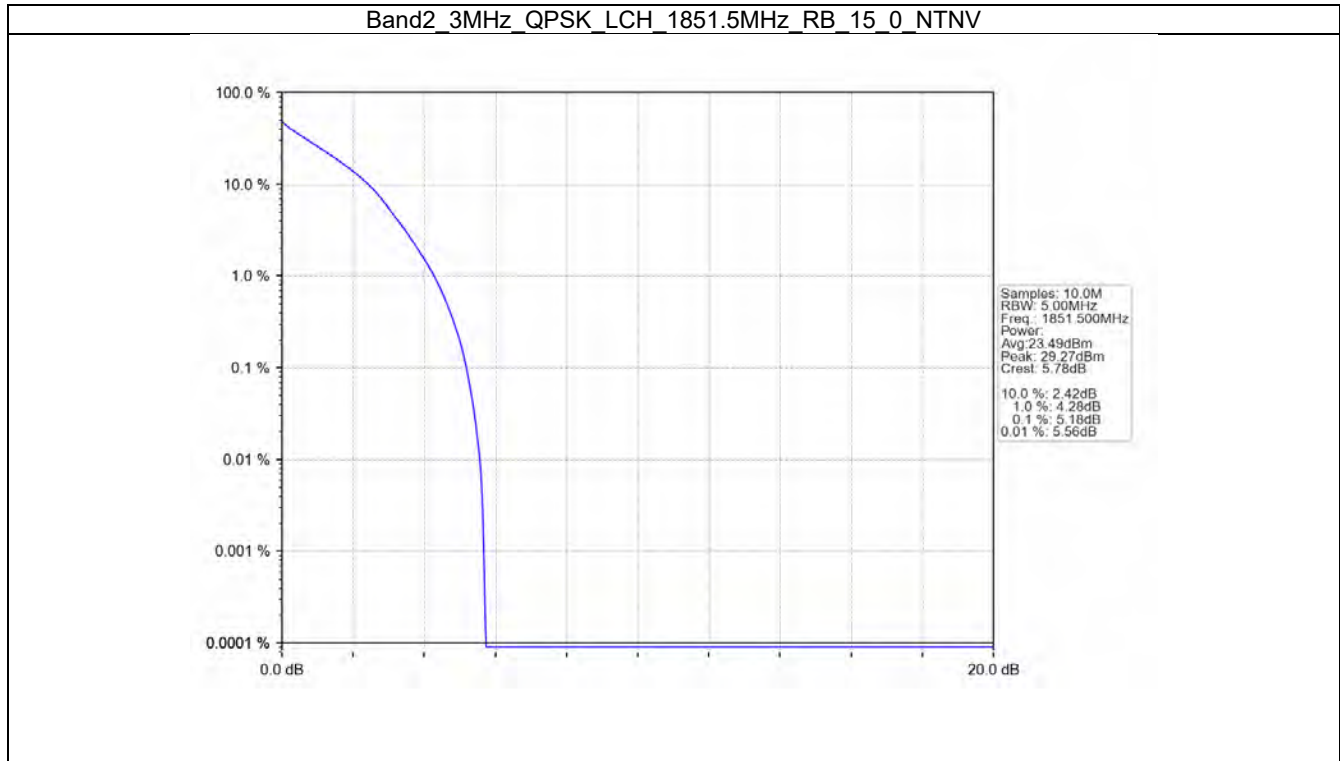
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4.2.2 Test Graph



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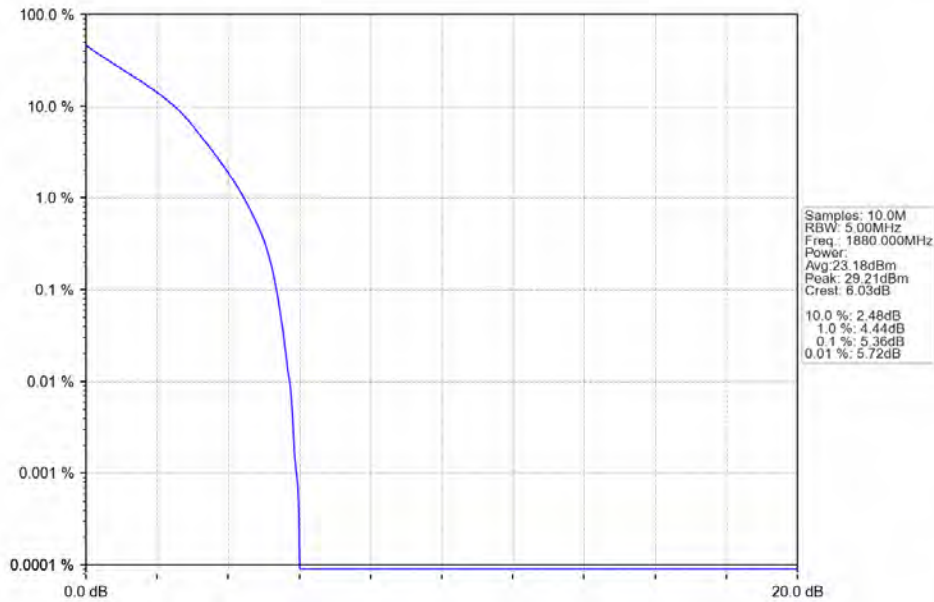
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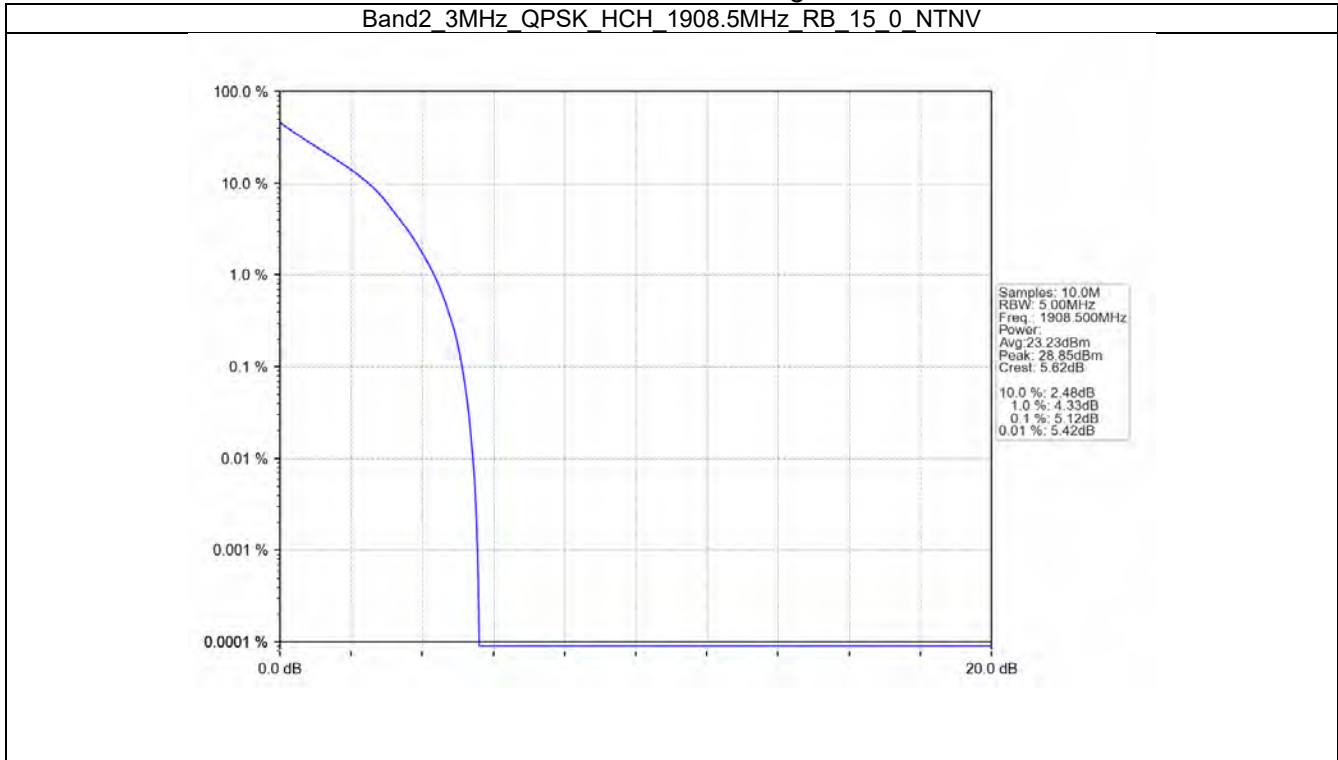
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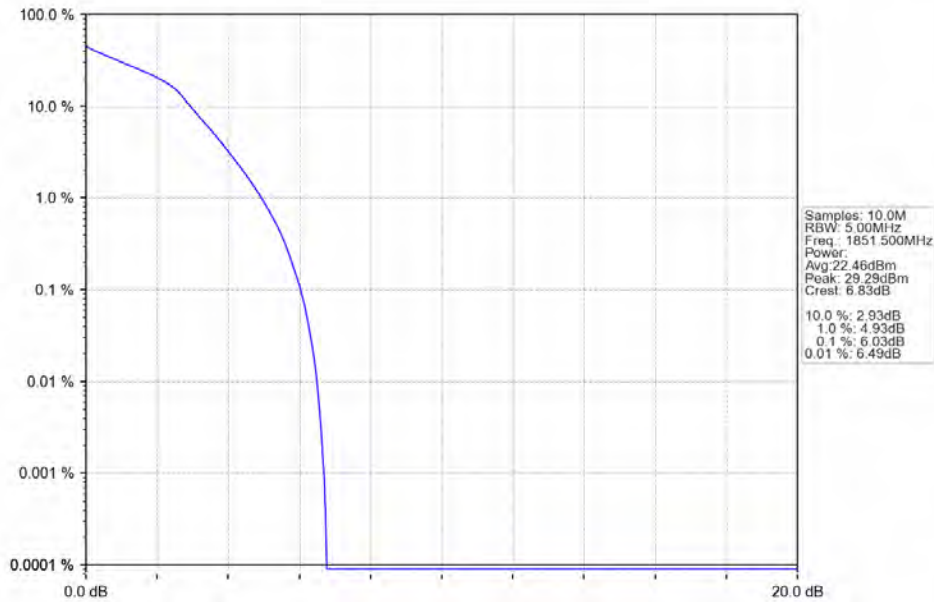
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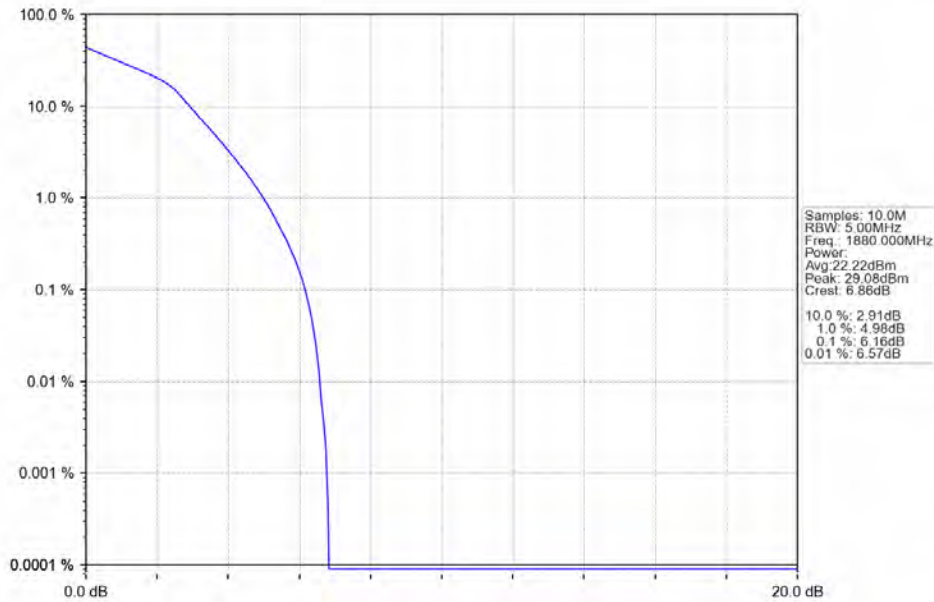
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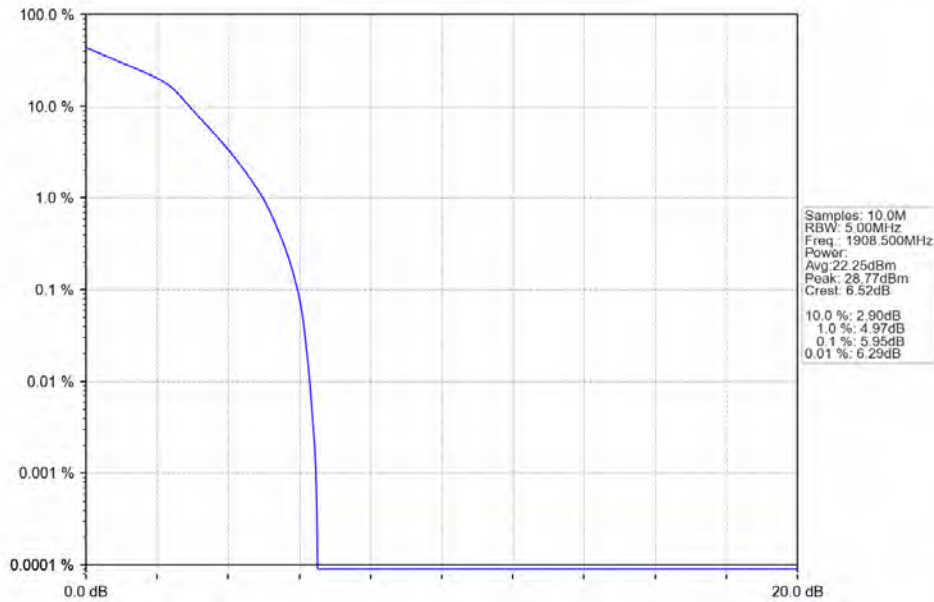
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4.3 B2_5MHz

4.3.1 Test Result

Band: 2 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1852.5	25	0	5.34	<=13	Pass
	1880	25	0	5.45	<=13	Pass
	1907.5	25	0	5.30	<=13	Pass
16QAM	1852.5	25	0	6.07	<=13	Pass
	1880	25	0	6.19	<=13	Pass
	1907.5	25	0	6.06	<=13	Pass



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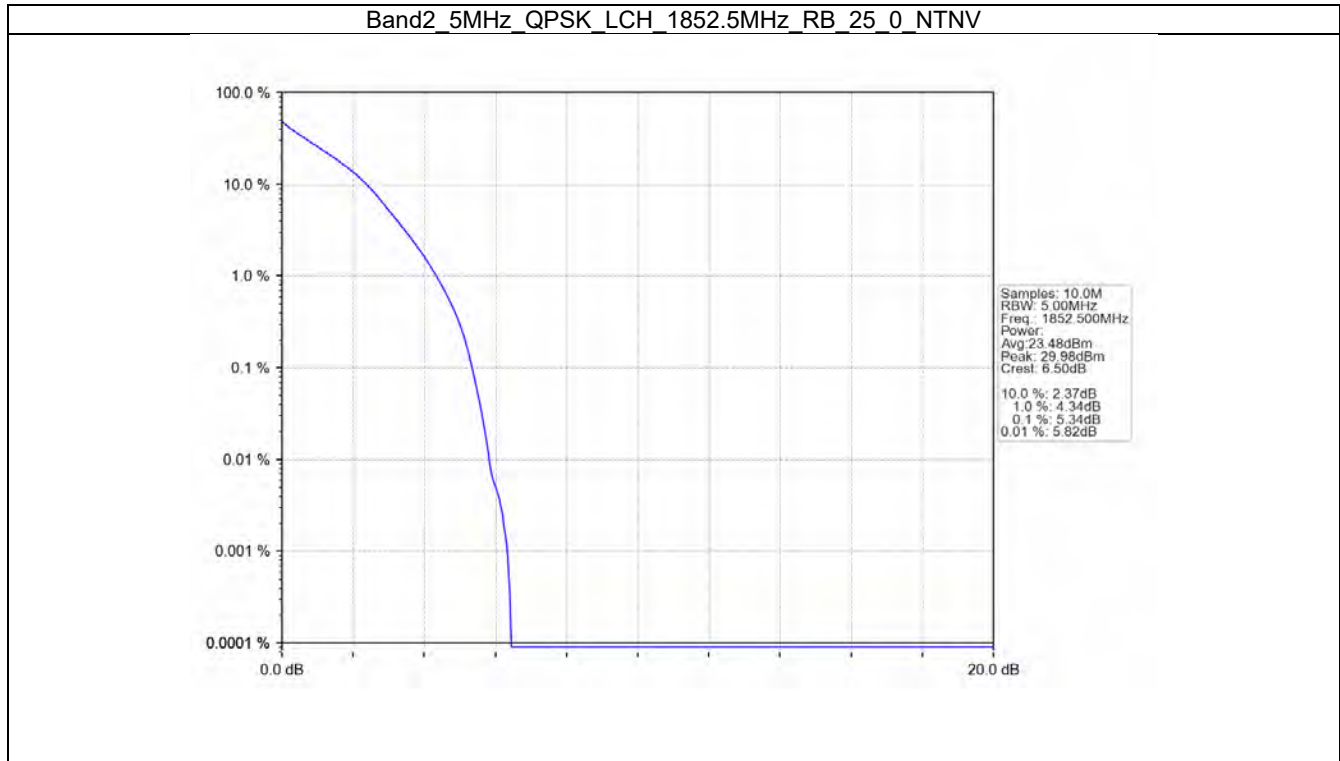
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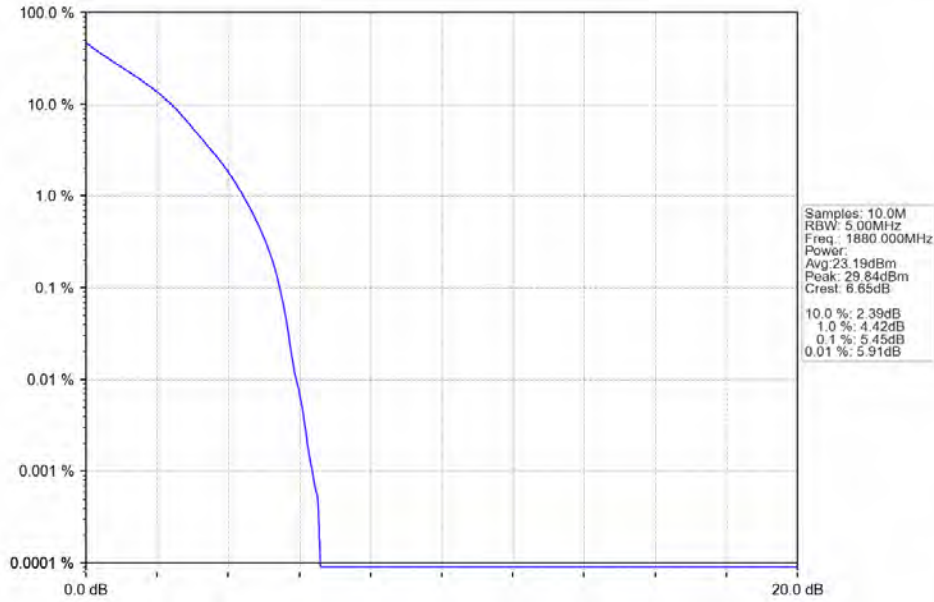
4.3.2 Test Graph



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Band2_5MHz_QPSK_MCH_1880MHz_RB_25_0_NTNV



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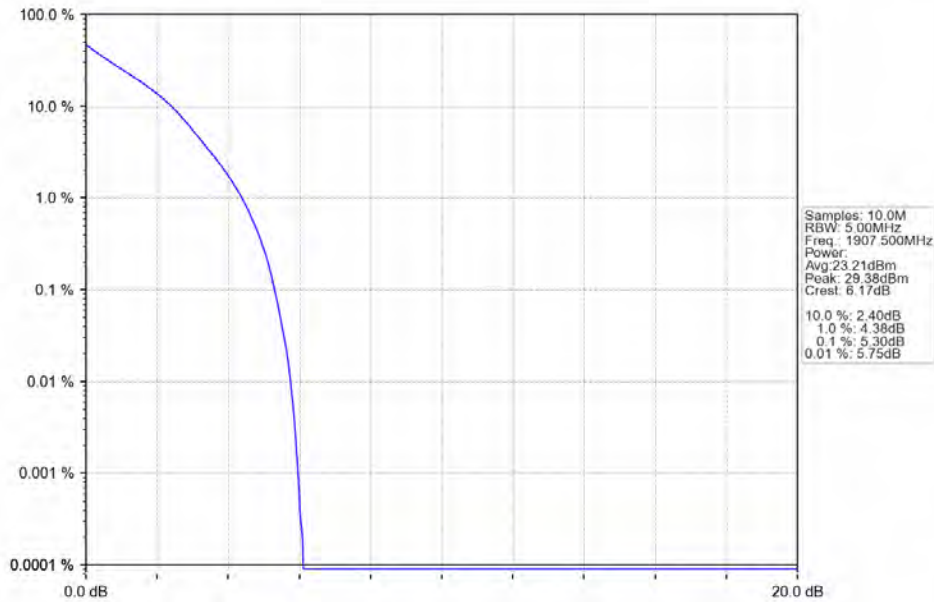
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Band2_5MHz_QPSK_HCH_1907.5MHz_RB_25_0_NTNV



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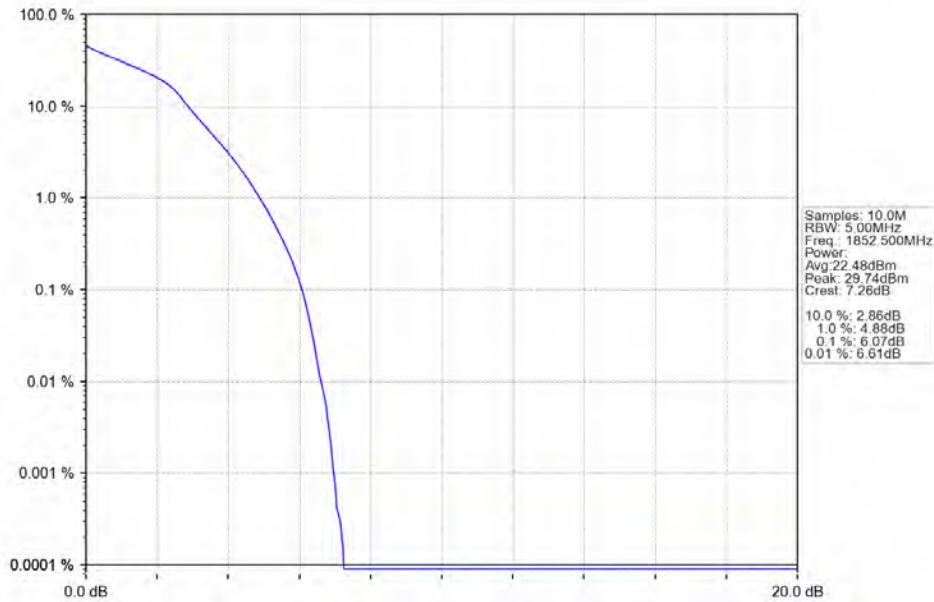
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Band2_5MHz_16QAM_LCH_1852.5MHz_RB_25_0_NTNV



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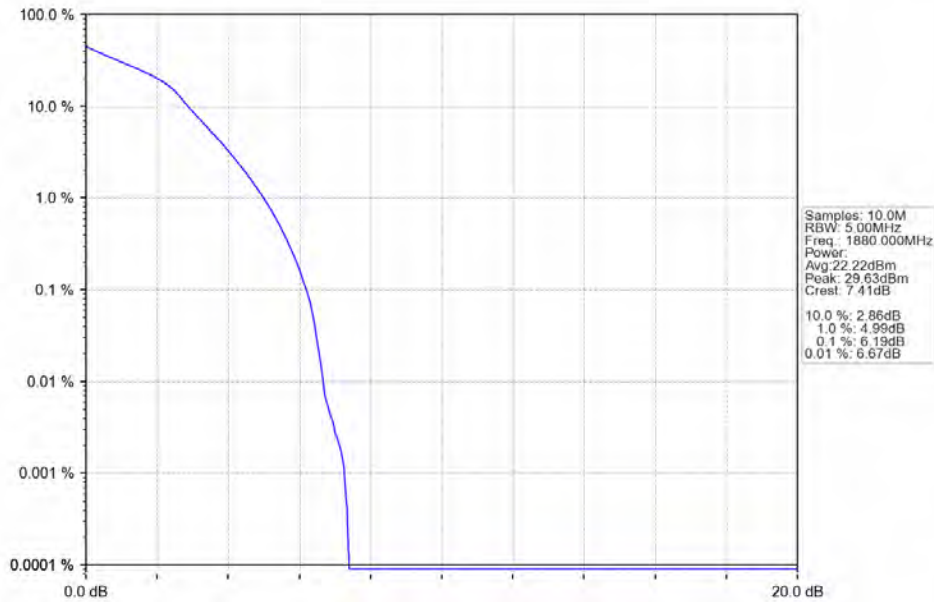
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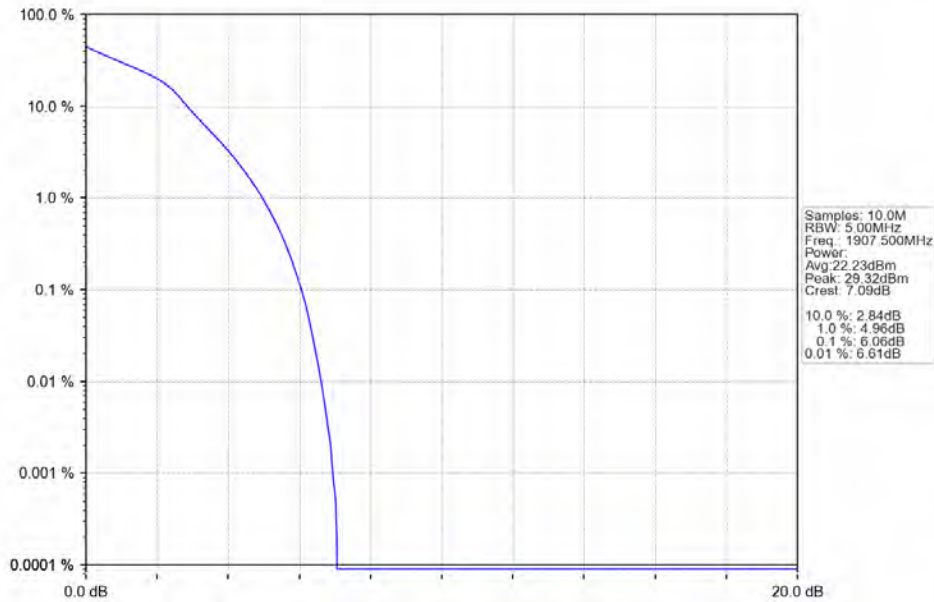
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Band2_5MHz_16QAM_HCH_1907.5MHz_RB_25_0_NTNV



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4.4 B2_10MHz

4.4.1 Test Result

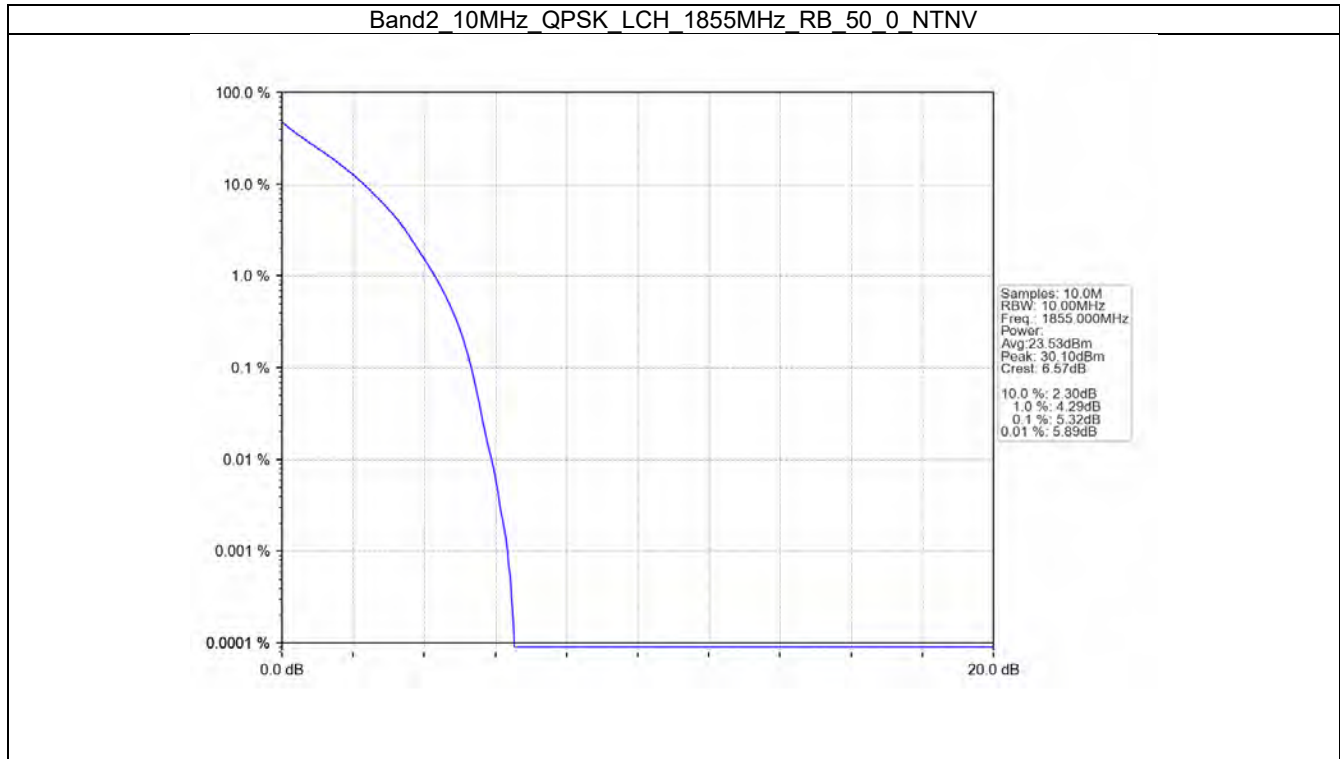
Band: 2 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1855	50	0	5.32	<=13	Pass
	1880	50	0	5.41	<=13	Pass
	1905	50	0	5.34	<=13	Pass
16QAM	1855	50	0	6.09	<=13	Pass
	1880	50	0	6.22	<=13	Pass
	1905	50	0	6.17	<=13	Pass



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4.4.2 Test Graph



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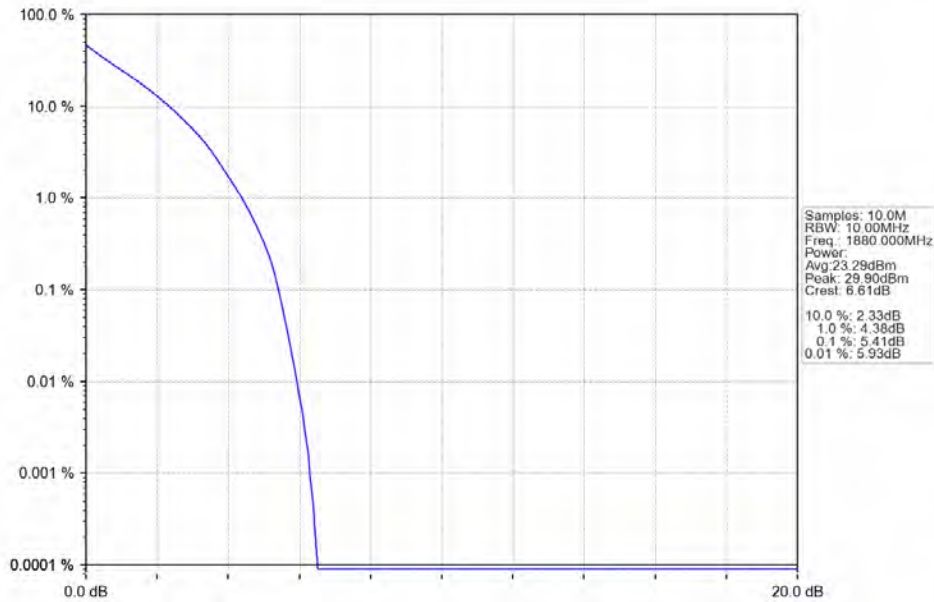
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Band2 10MHz_QPSK_MCH_1880MHz_RB_50_0_NTNV



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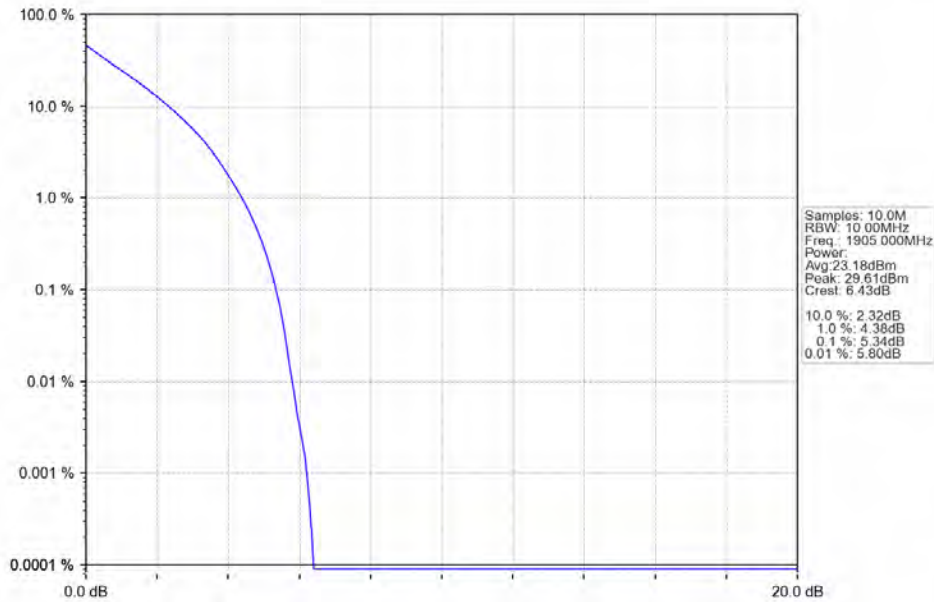
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Band2_10MHz_QPSK_HCH_1905MHz_RB_50_0_NTNV



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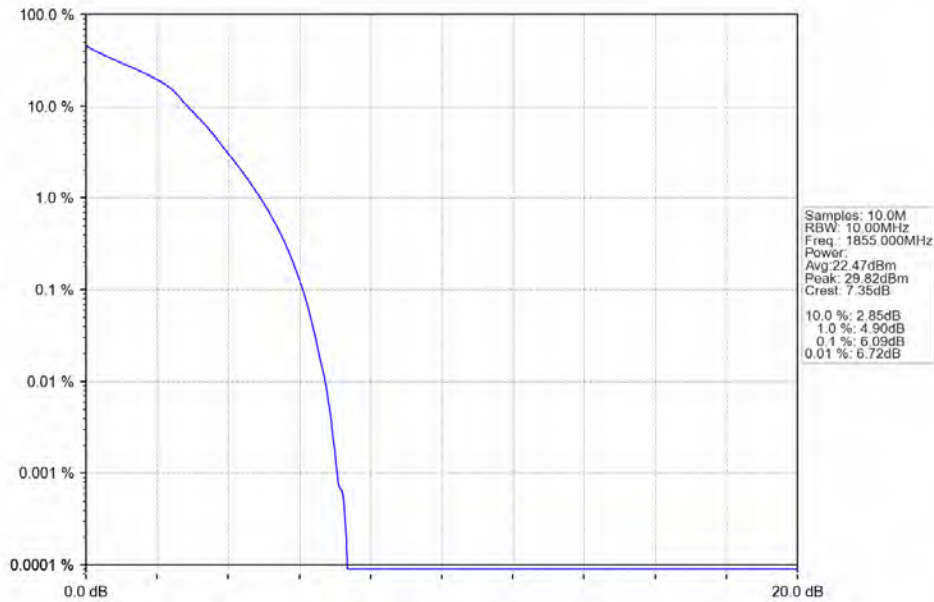
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Band2_10MHz_16QAM_LCH_1855MHz_RB_50_0_NTNV



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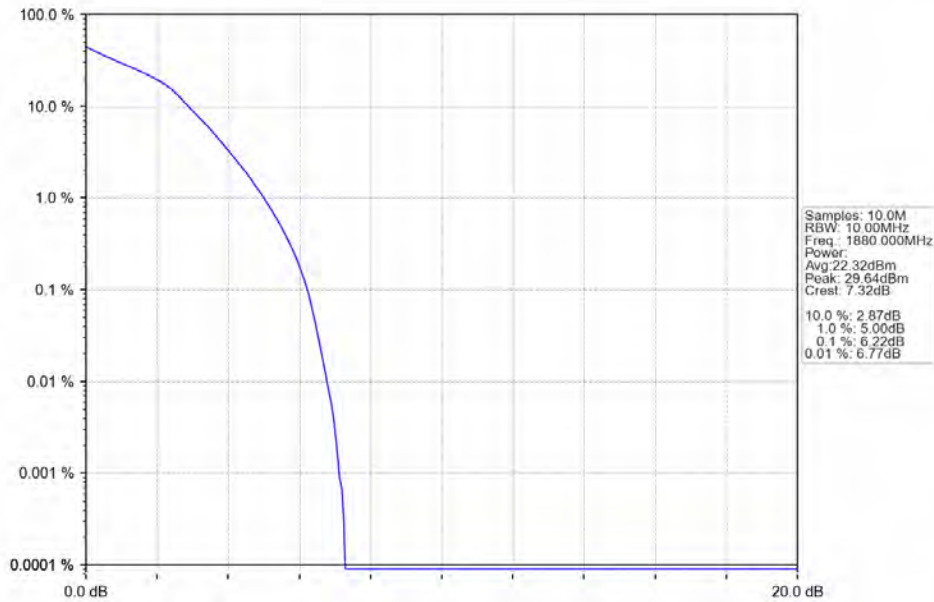
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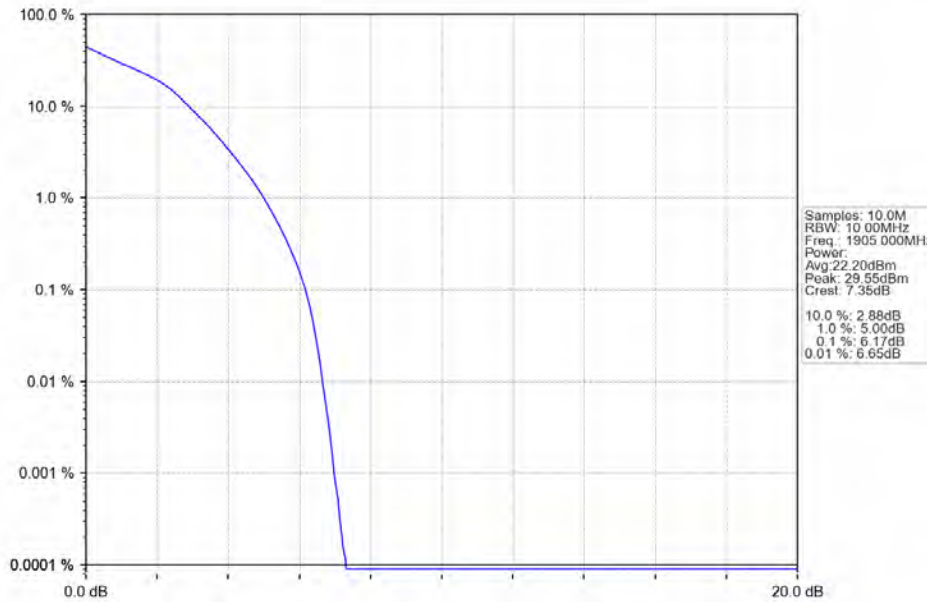
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4.5 B2_15MHz

4.5.1 Test Result

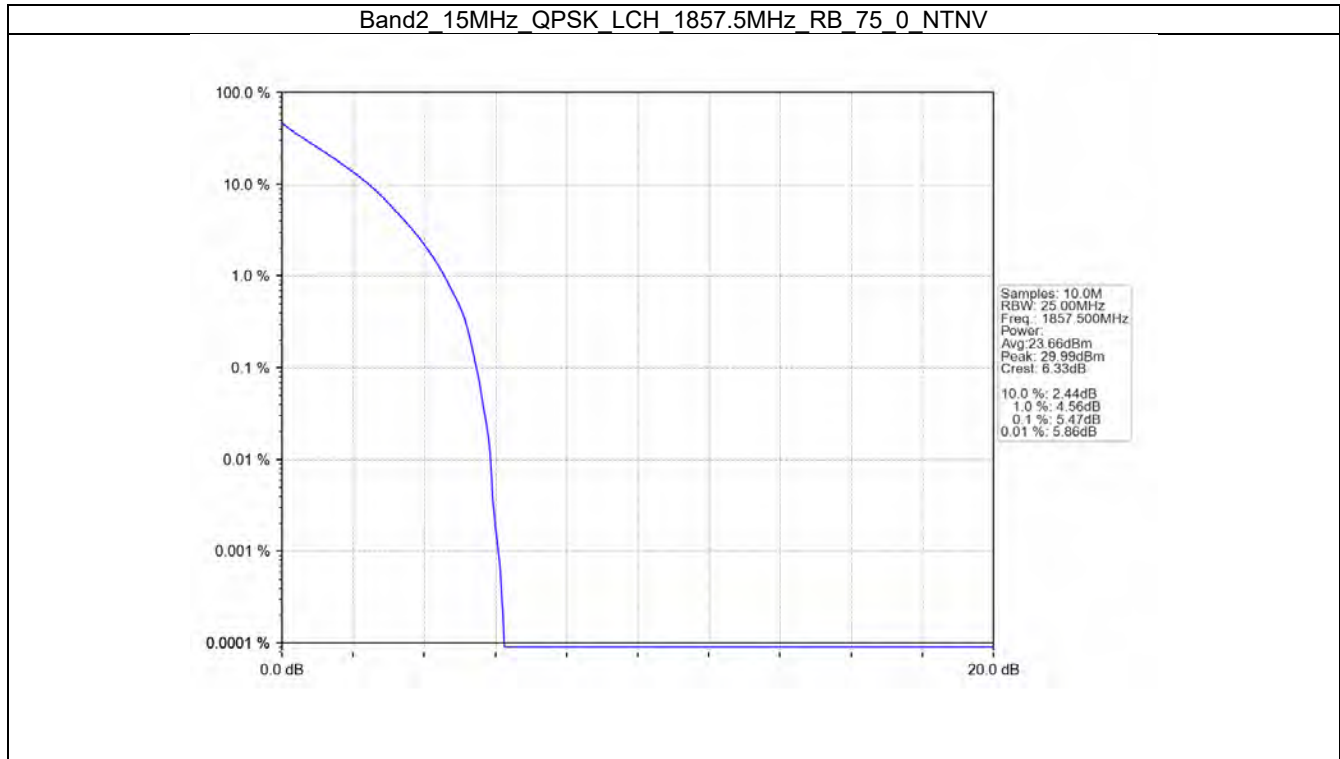
Band: 2 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1857.5	75	0	5.47	<=13	Pass
	1880	75	0	5.54	<=13	Pass
	1902.5	75	0	5.49	<=13	Pass
16QAM	1857.5	75	0	6.17	<=13	Pass
	1880	75	0	6.25	<=13	Pass
	1902.5	75	0	6.22	<=13	Pass



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4.5.2 Test Graph



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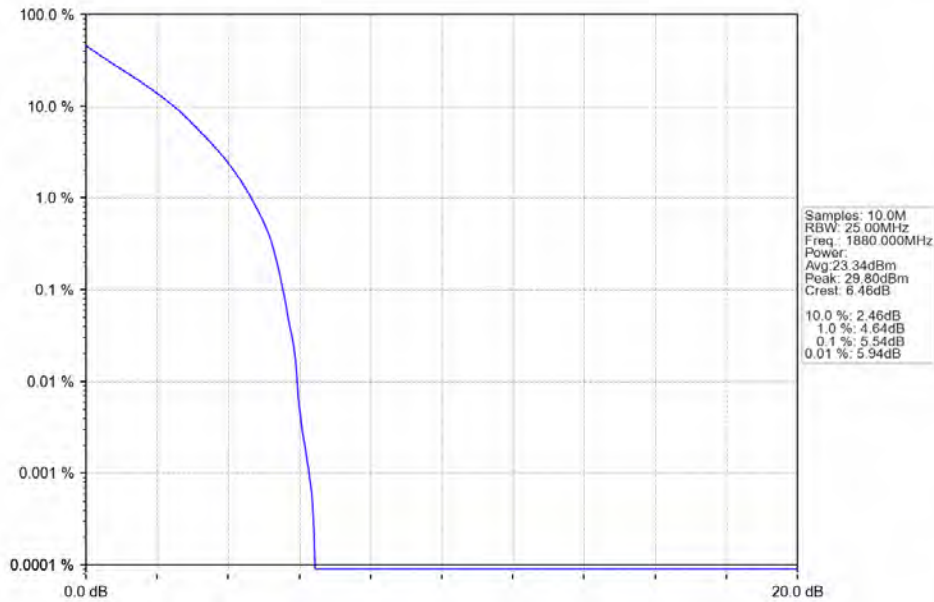
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Band2 15MHz_QPSK_MCH_1880MHz_RB_75_0_NTNV



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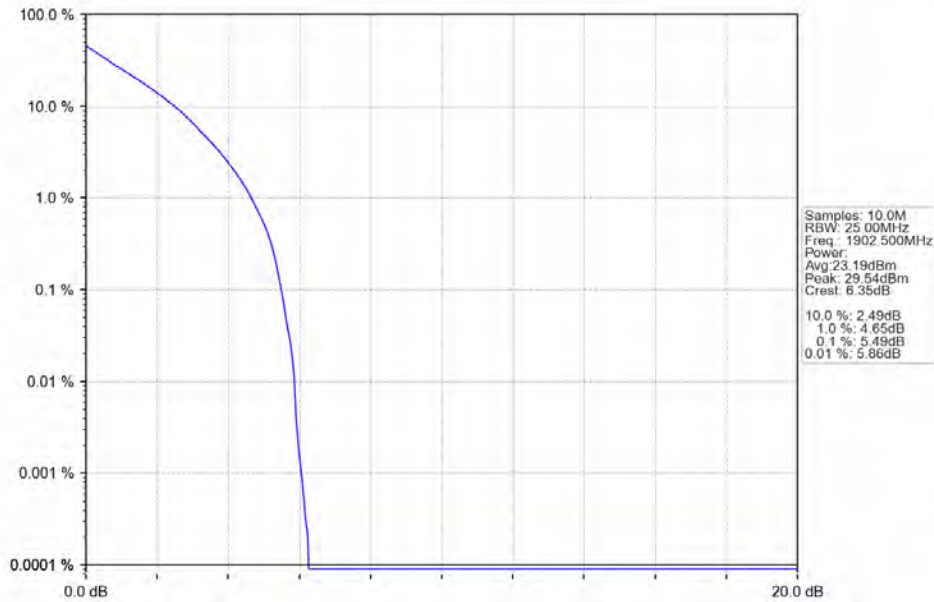
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Band2_15MHz_QPSK_HCH_1902.5MHz_RB_75_0_NTNV



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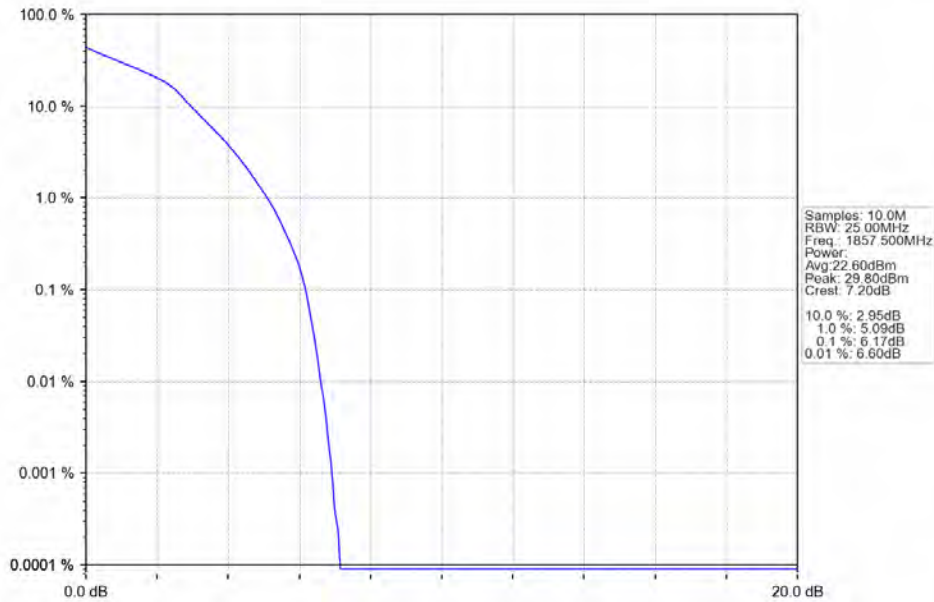
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Band2_15MHz_16QAM_LCH_1857.5MHz_RB_75_0_NTNV



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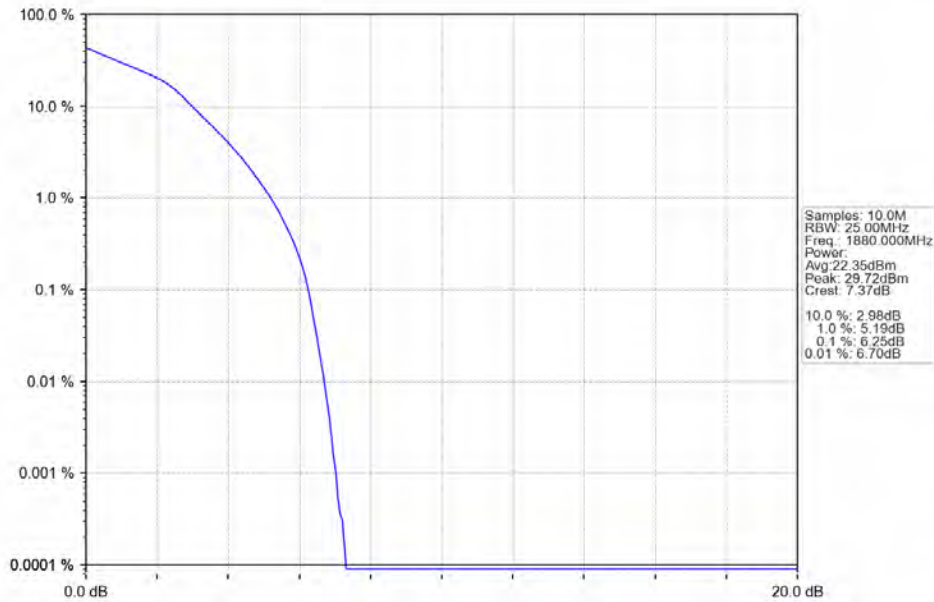
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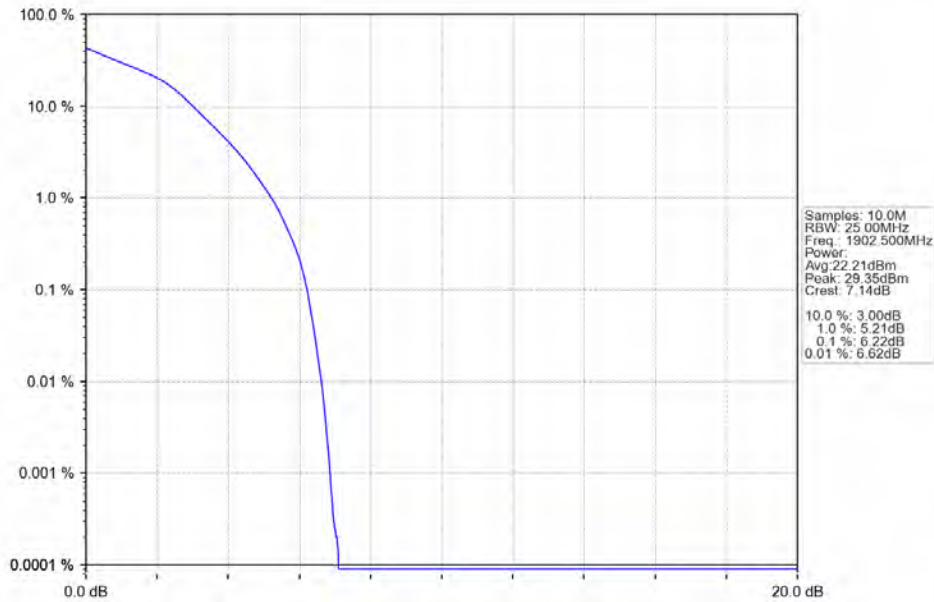
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Band2 15MHz_16QAM_HCH_1902.5MHz RB_75_0 NTN



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4.6 B2_20MHz

4.6.1 Test Result

Band: 2 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1860	100	0	5.35	<=13	Pass
	1880	100	0	5.44	<=13	Pass
	1900	100	0	5.42	<=13	Pass
16QAM	1860	100	0	6.17	<=13	Pass
	1880	100	0	6.25	<=13	Pass
	1900	100	0	6.23	<=13	Pass



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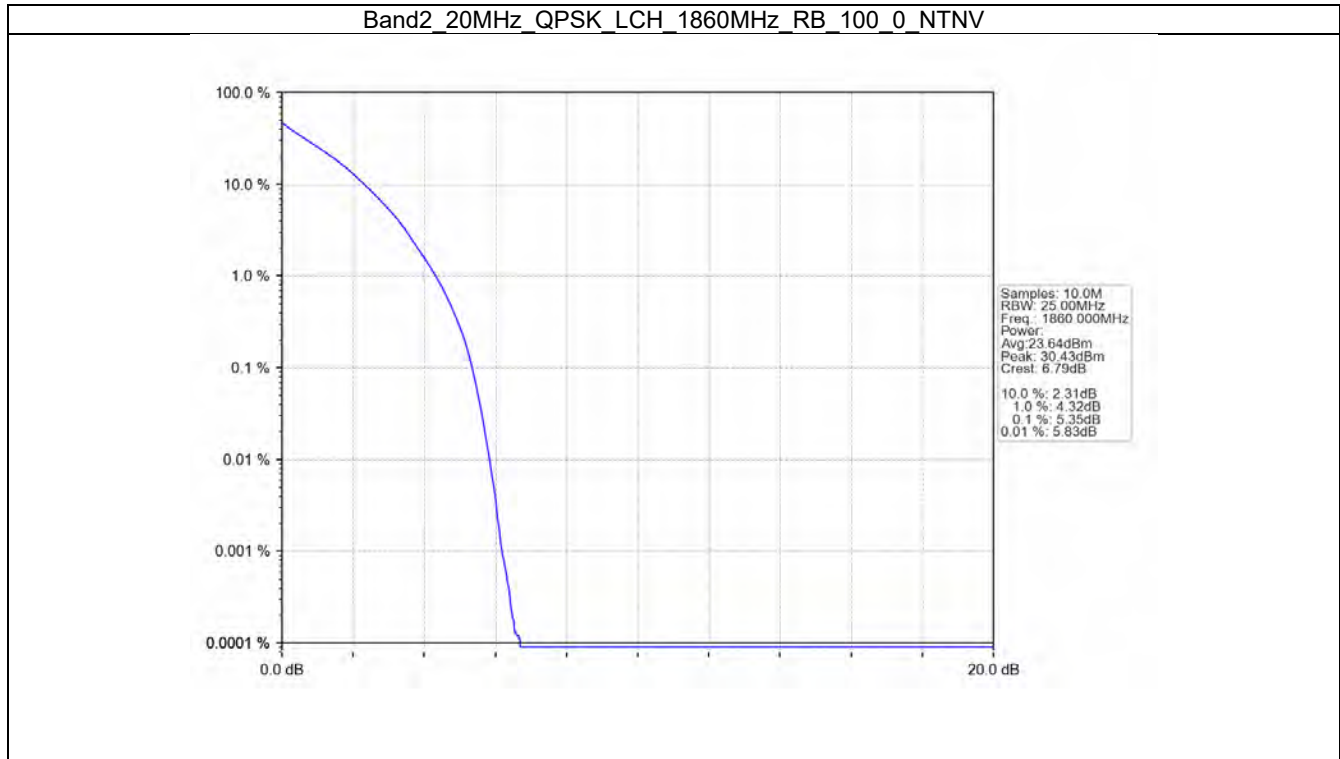
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 Wireless Laboratories Technical Services

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4.6.2 Test Graph



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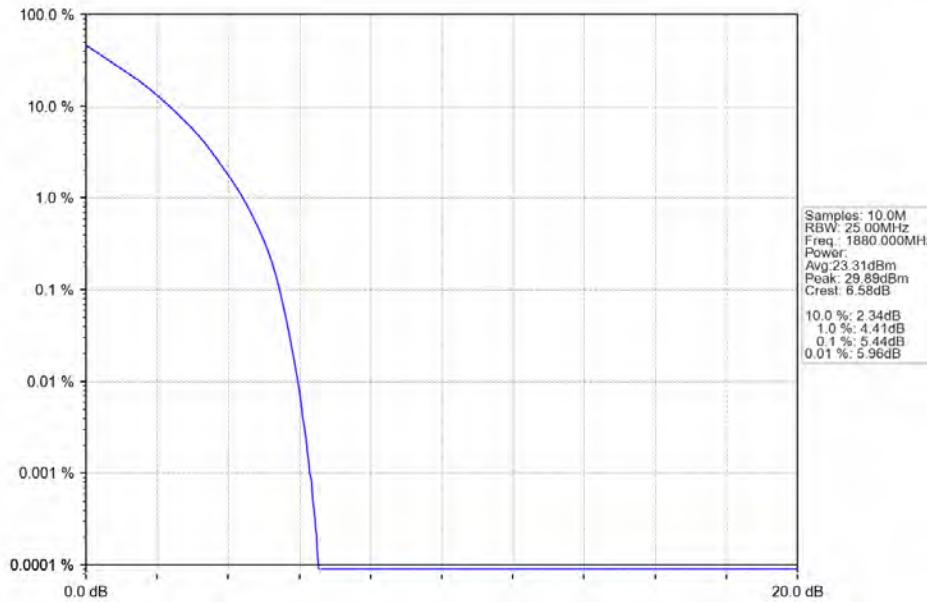
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Band2_20MHz_QPSK_MCH_1880MHz_RB_100_0_NTNV



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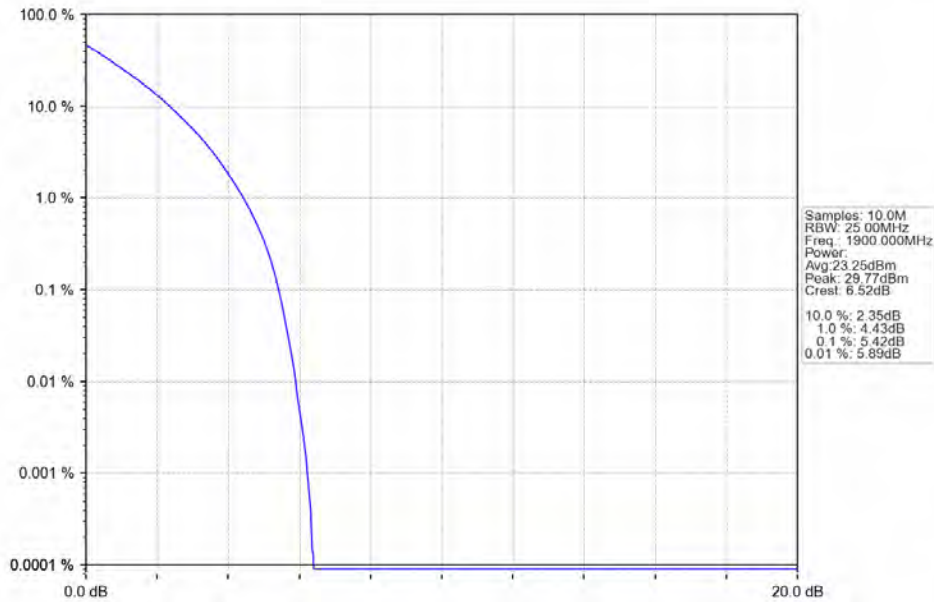
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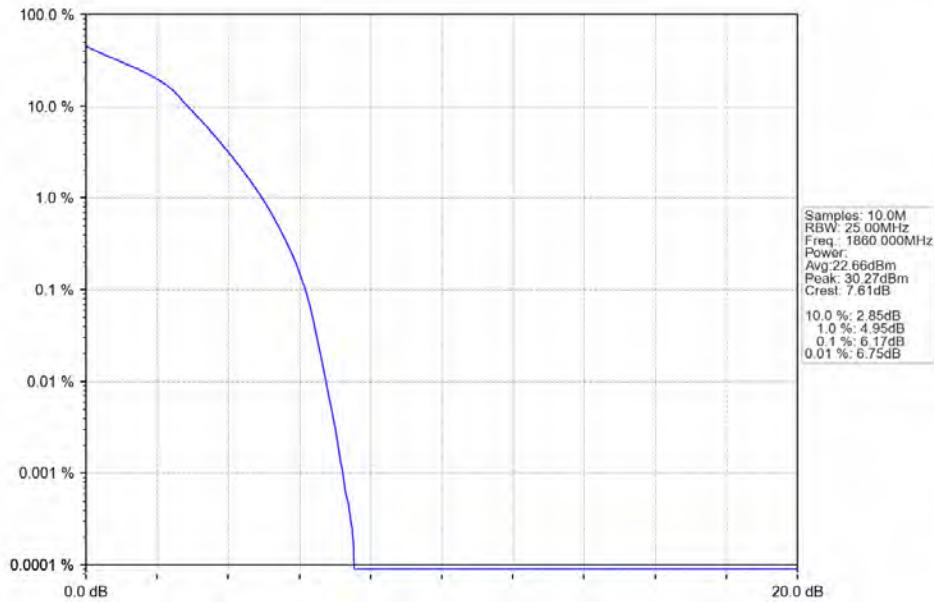
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Band2_20MHz_16QAM_LCH_1860MHz_RB_100_0_NTNV



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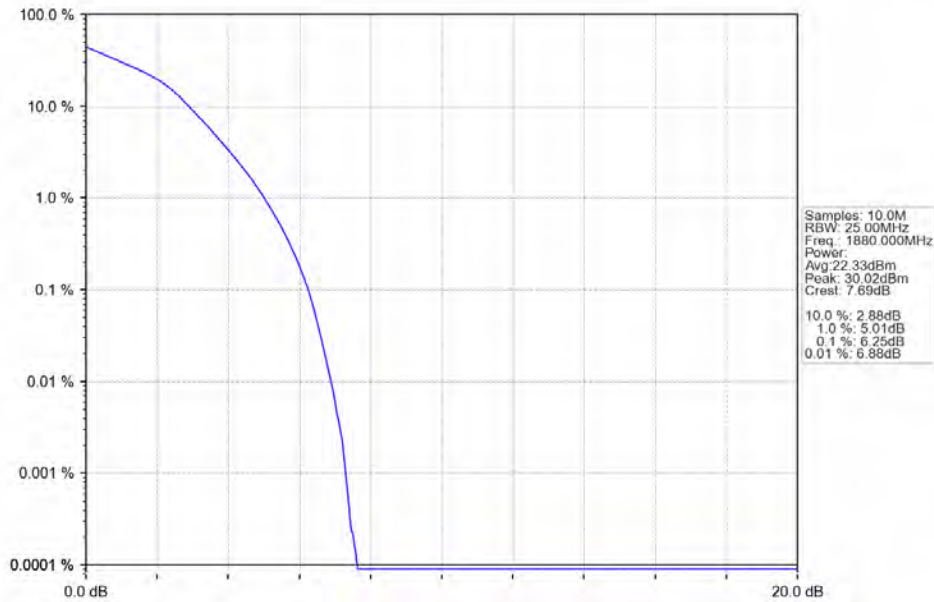
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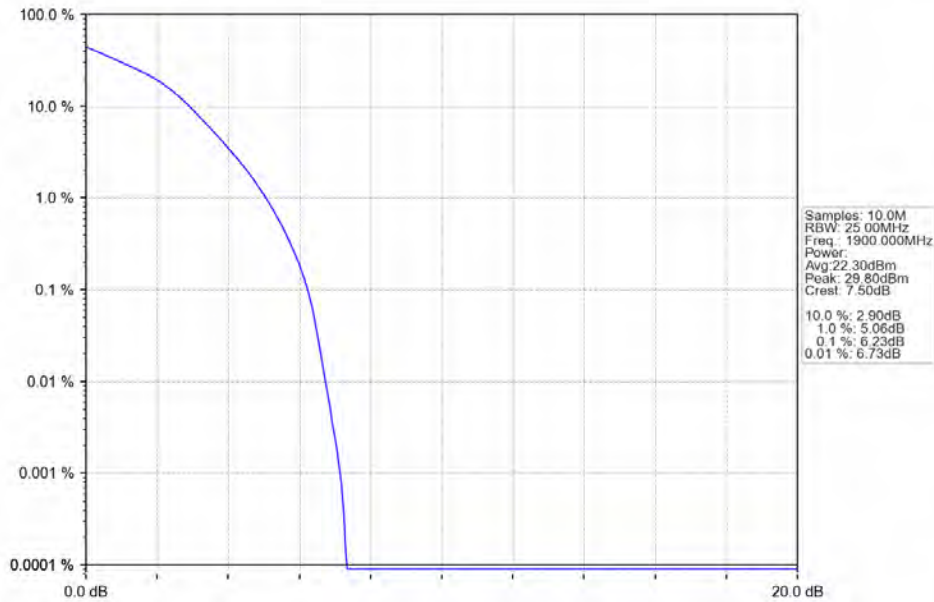
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5. Spurious Emission & Band Edge

5.1 B2_1.4MHz

5.1.1 Test Result

Band: 2 / 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
	1880	1	0	Refer To Test Graph		Pass
	1909.3	1	0	Refer To Test Graph		Pass
			5	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass



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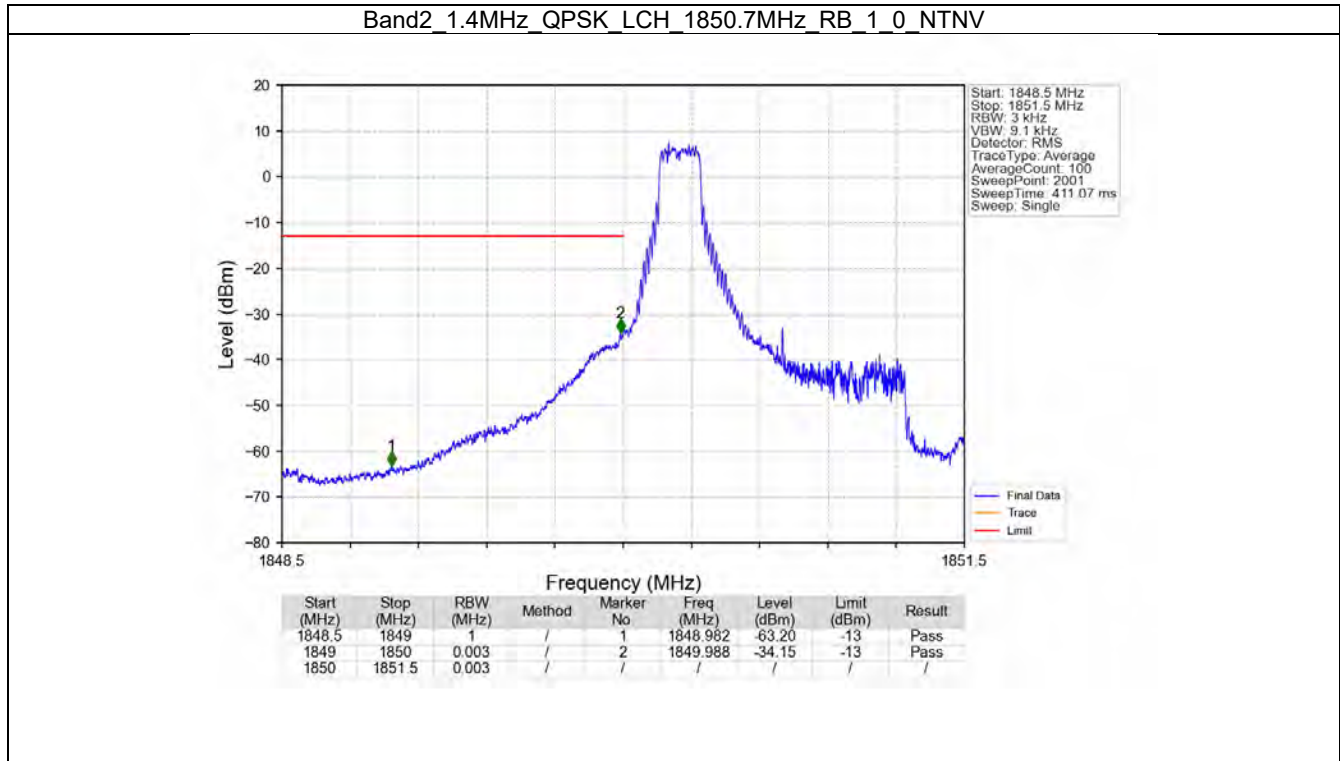
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5.1.2 Test Graph



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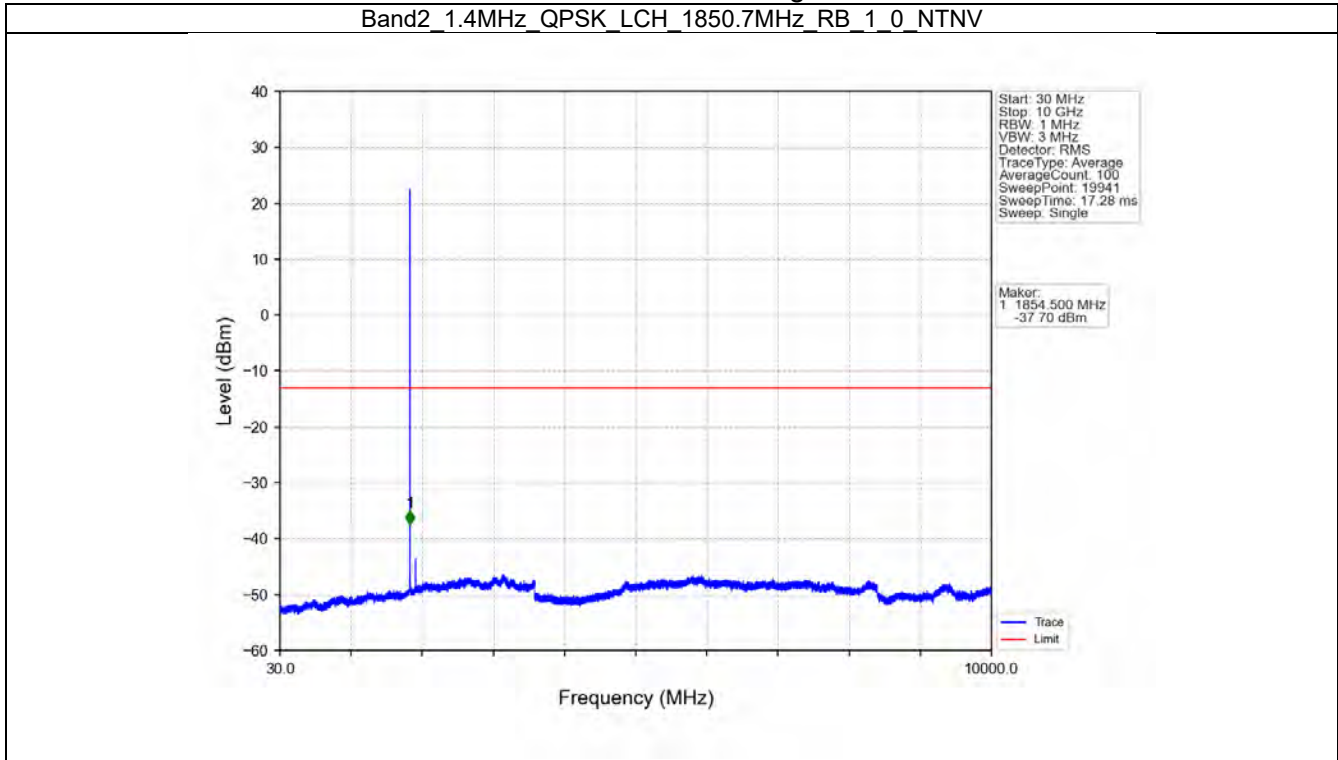
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Band2_1.4MHz_QPSK_LCH_1850.7MHz_RB_1_0_NTNV



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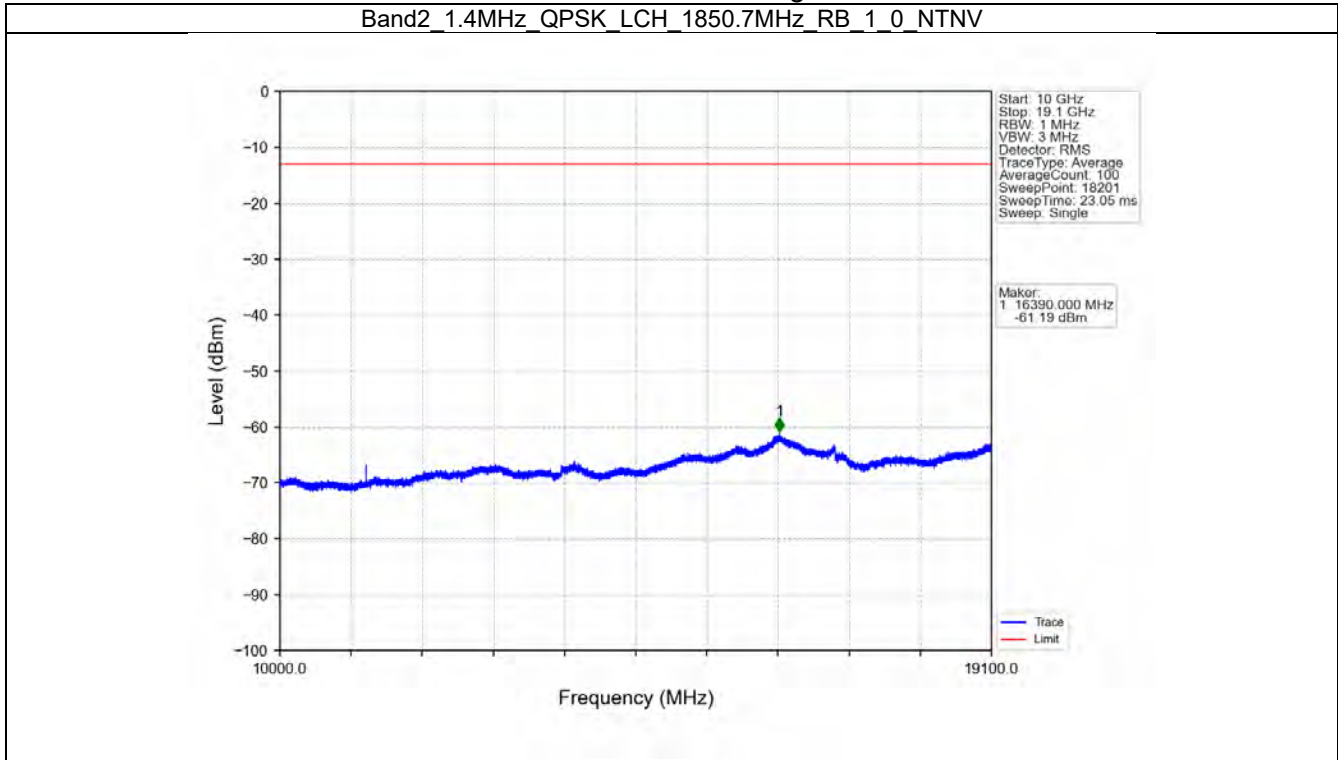
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Band2_1.4MHz_QPSK_LCH_1850.7MHz_RB_1_0_NTNV



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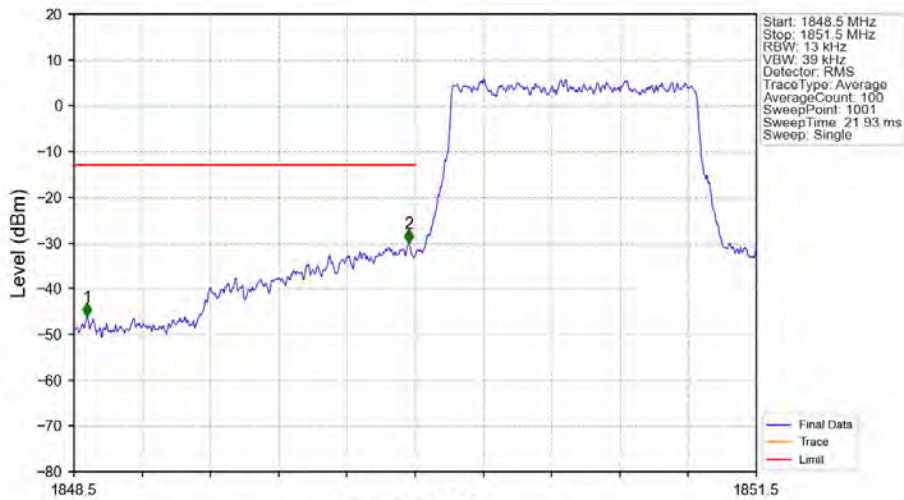
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Band2_1.4MHz_QPSK_LCH_1850.7MHz_RB_6_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1848.5	1849	1	/	1	1848.557	-46.11	-13	Pass
1849	1850	0.013	/	2	1849.973	-30.10	-13	Pass
1850	1851.5	0.013	/	/	/	/	/	/



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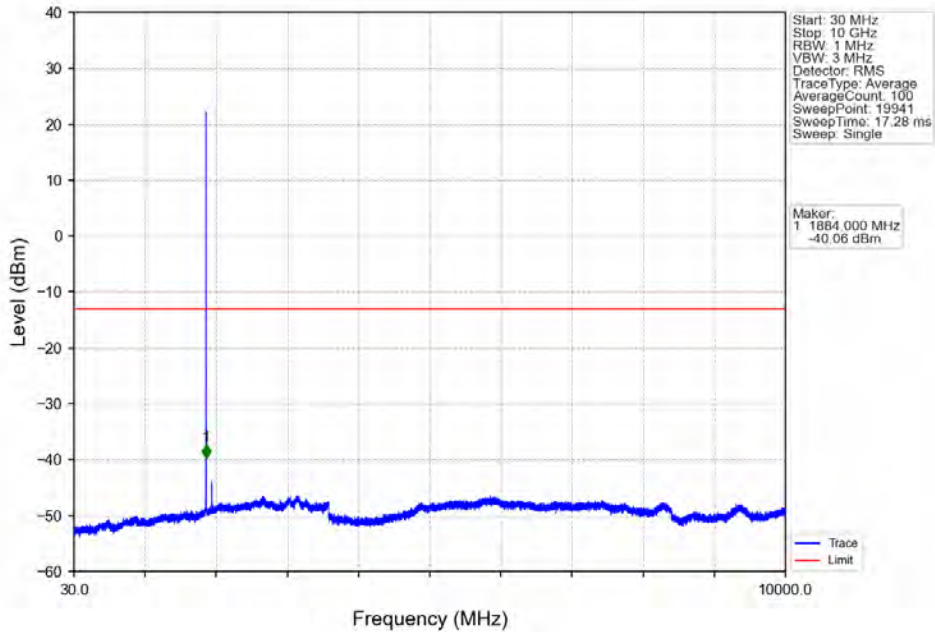
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Band2_1.4MHz_QPSK_MCH_1880MHz_RB_1_0_NTNV



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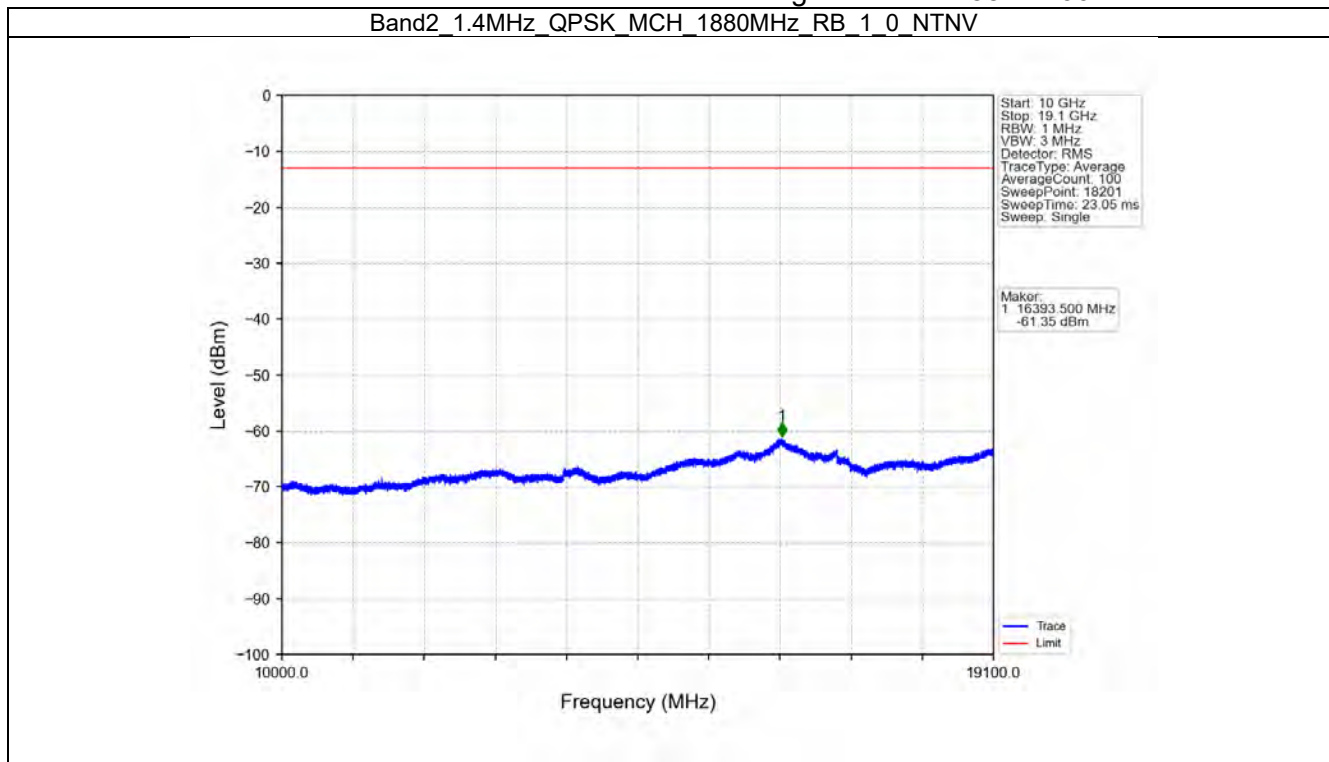
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Band2_1.4MHz_QPSK_MCH_1880MHz_RB_1_0_NTNV



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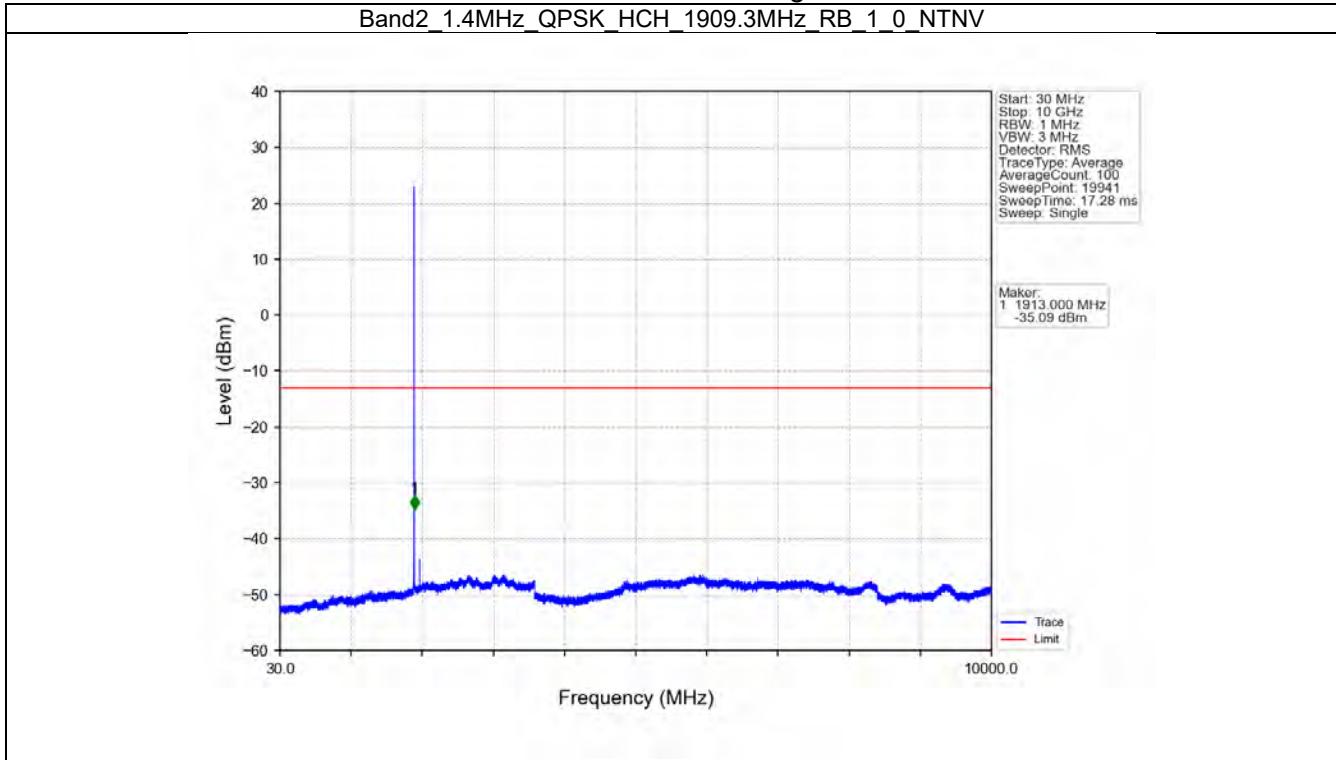
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Band2_1.4MHz_QPSK_HCH_1909.3MHz_RB_1_0_NTNV



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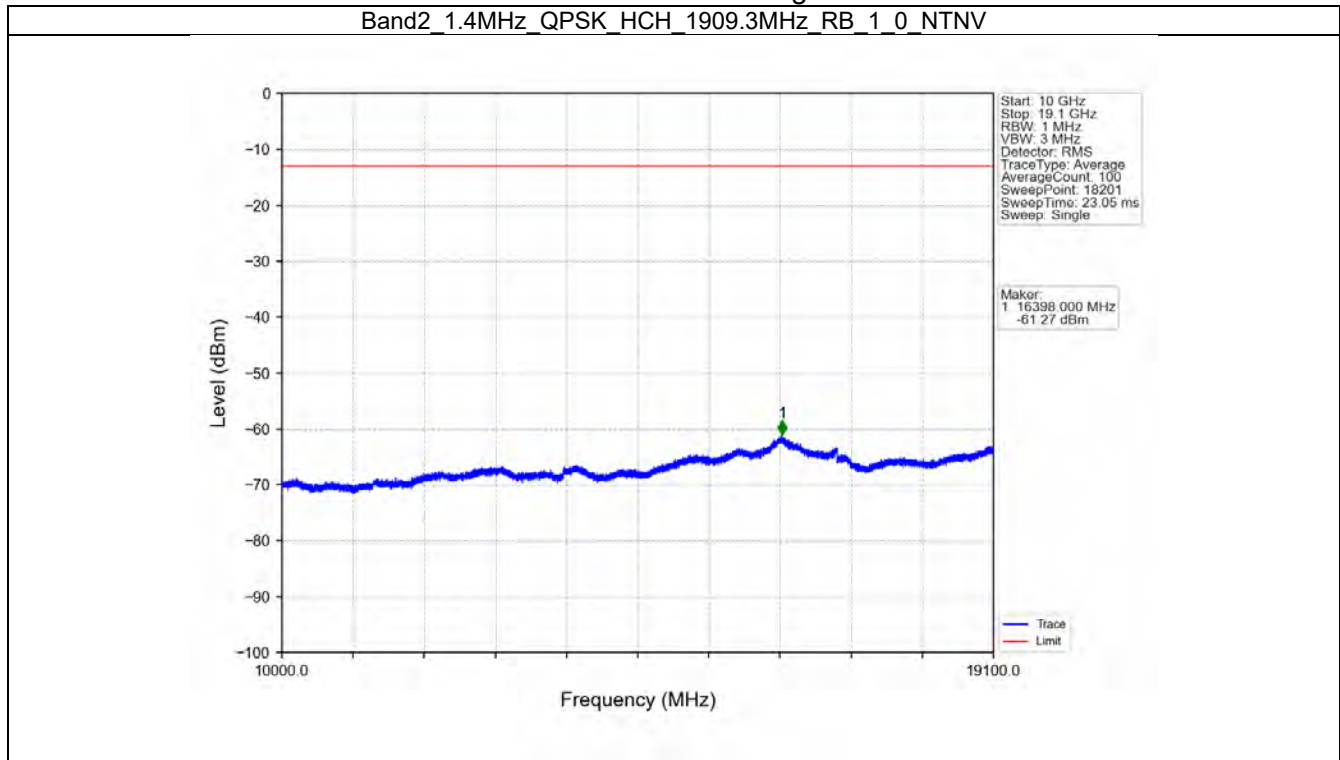
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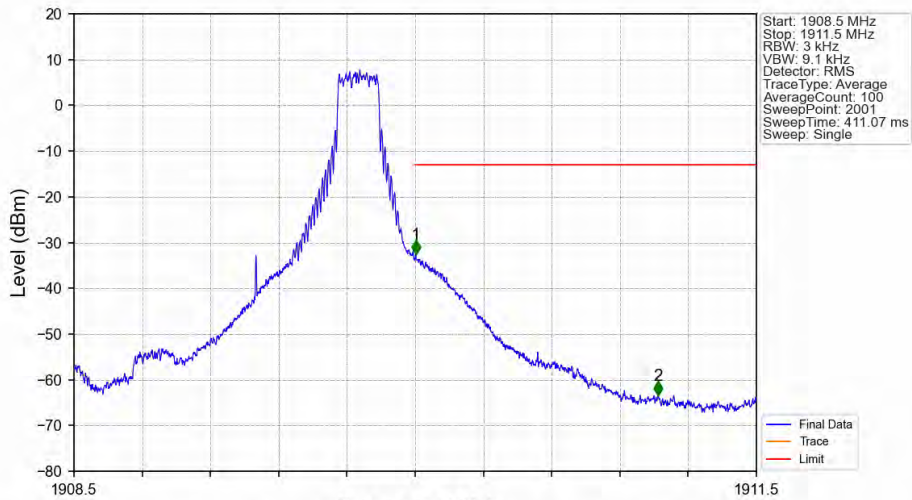
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Band2_1.4MHz_QPSK_HCH_1909.3MHz_RB_1_5_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1908.5	1910	0.003	/	/	/	/	/	/
1910	1911	0.003	/	1	1910.003	-32.51	-13	Pass
1911	1911.5	1	/	2	1911.068	-63.39	-13	Pass



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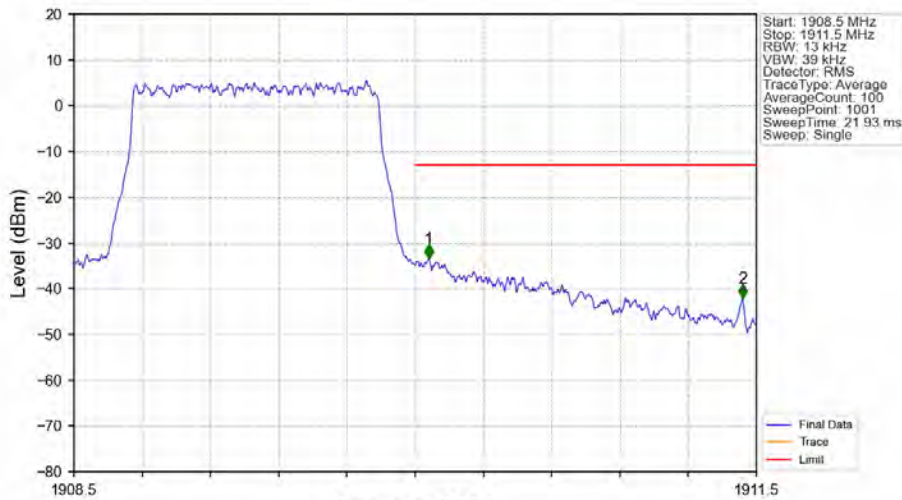
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Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1908.5	1910	0.013	/	1	1910.060	-33.44	-13	Pass
1910	1911	0.013	/	2	1911.440	-42.16	-13	Pass



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5.2 B2_3MHz

5.2.1 Test Result

Band: 2 / Bandwidth: 3MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	1851.5	1	0	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass
	1880	1	0	Refer To Test Graph		Pass
	1908.5	1	0	Refer To Test Graph		Pass
			14	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass

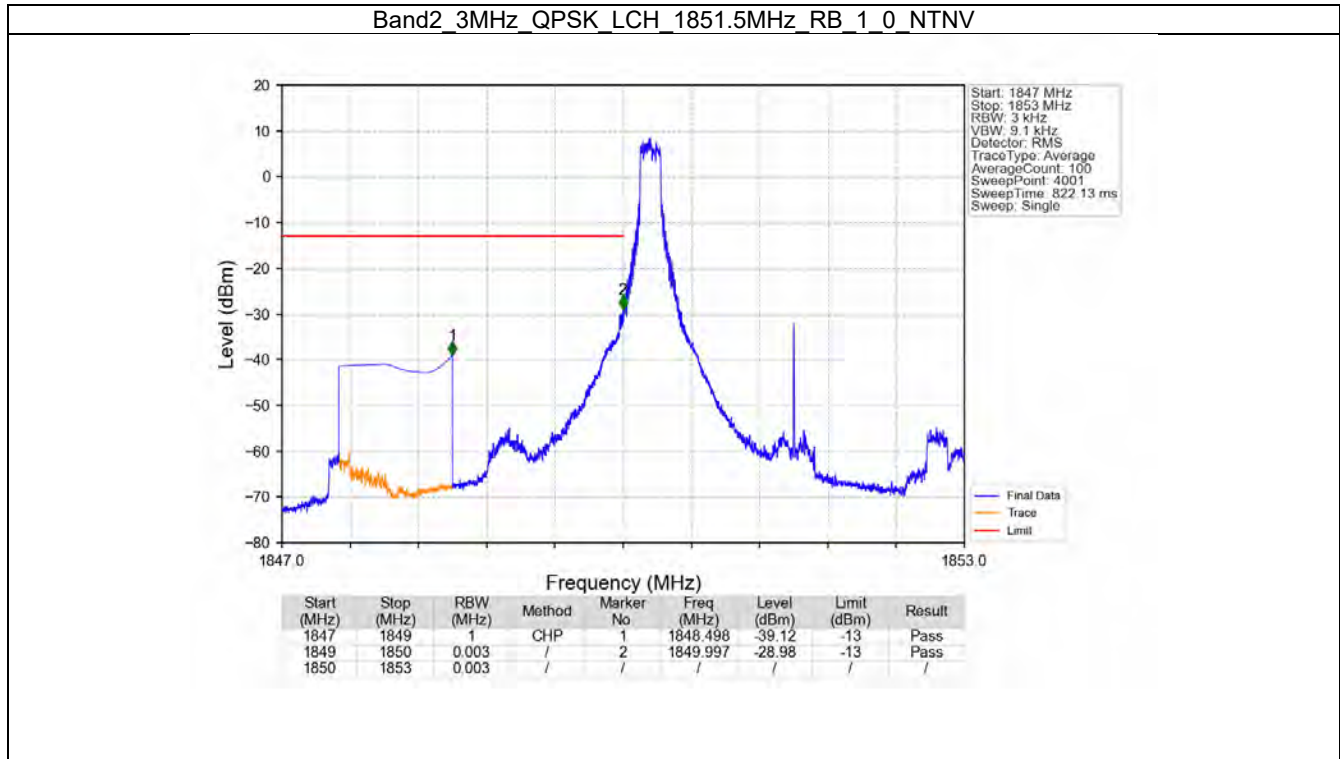


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5.2.2 Test Graph



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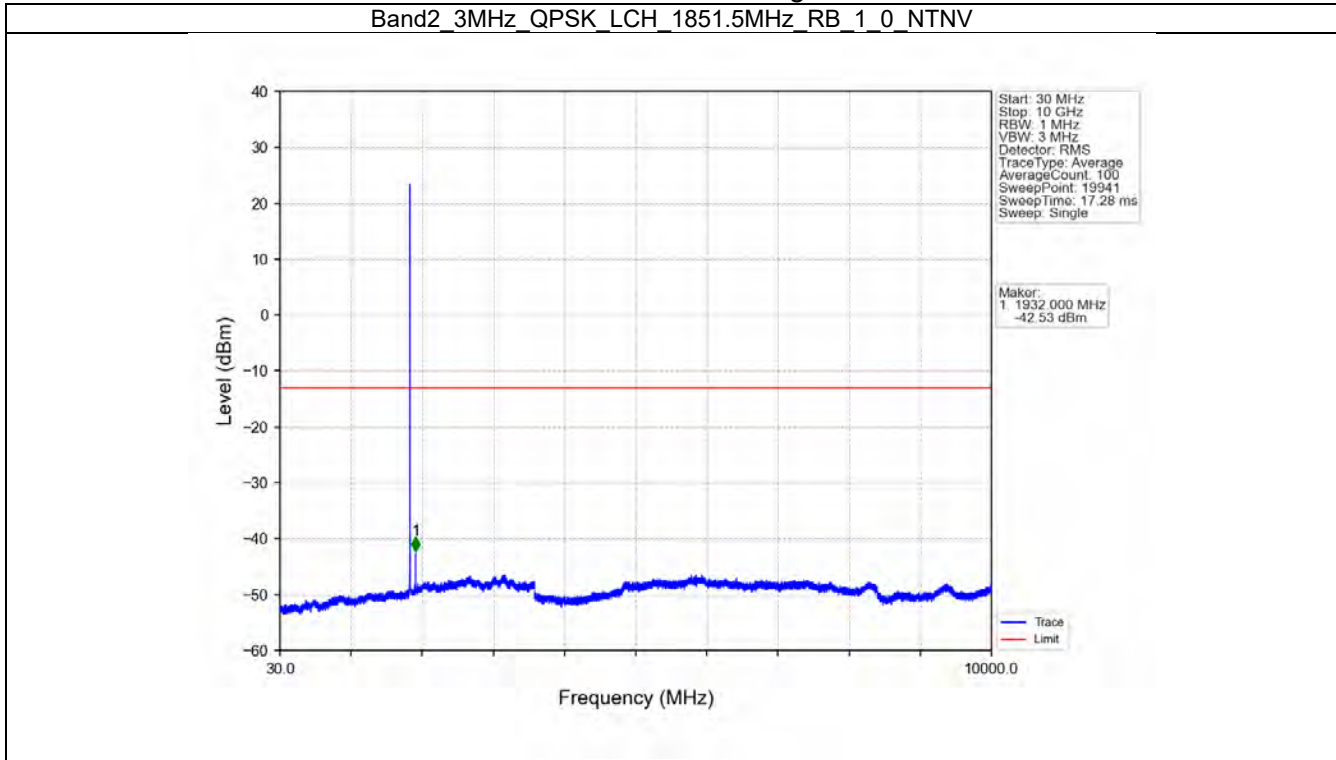
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Band2_3MHz_QPSK_LCH_1851.5MHz_RB_1_0_NTNV



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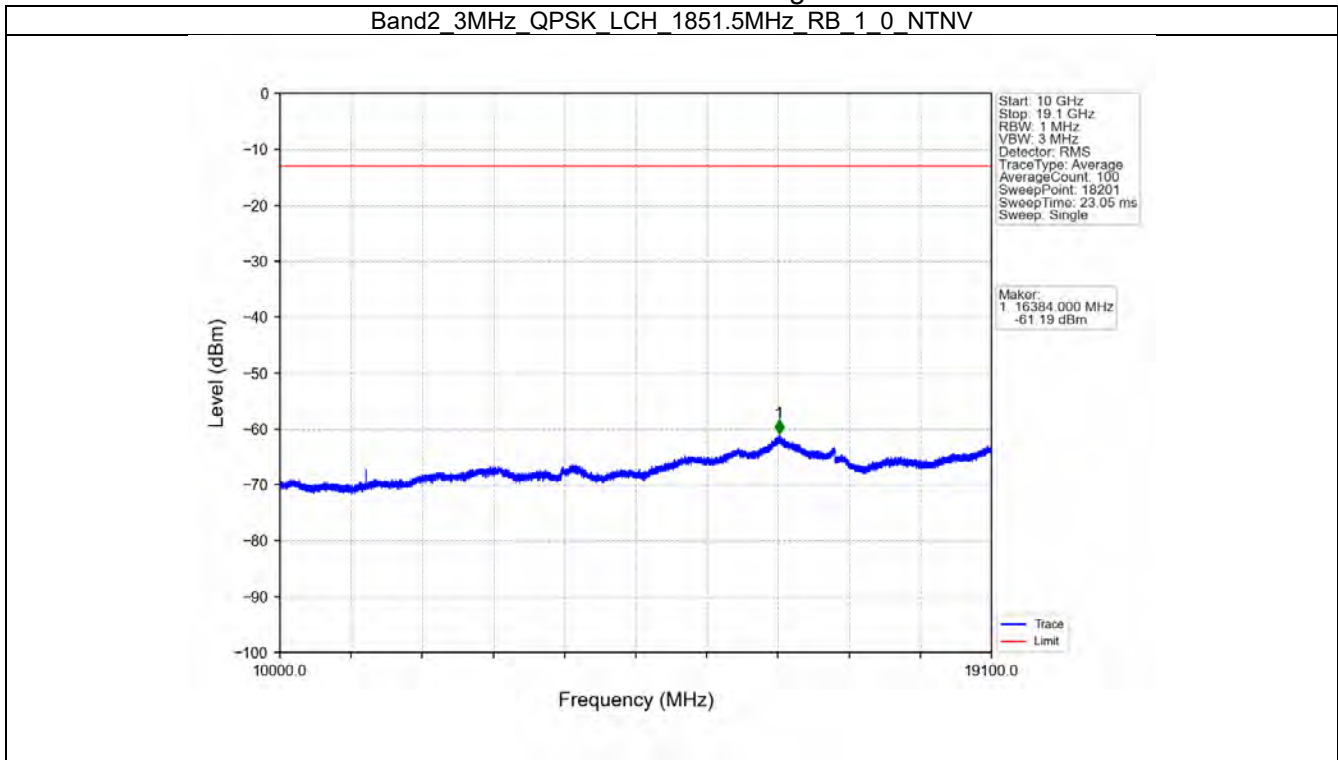
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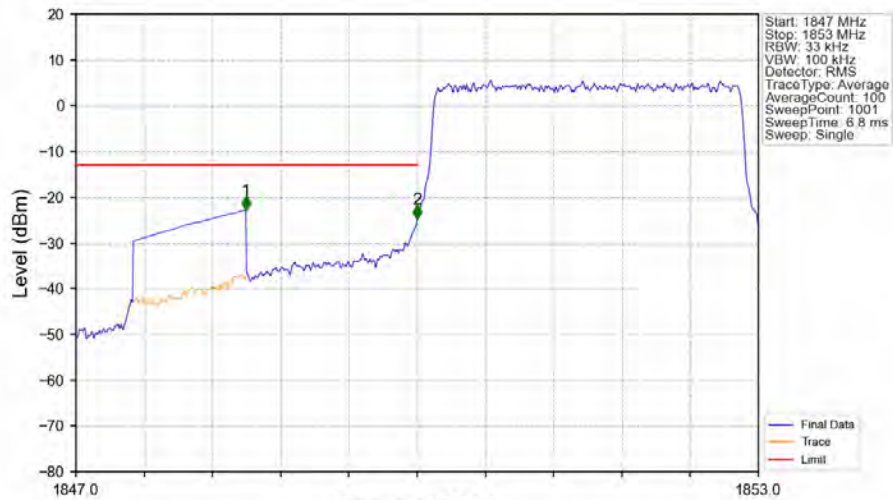
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Band2_3MHz_QPSK_LCH_1851.5MHz_RB_15_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1847	1849	1	CHP	1	1848.494	-22.87	-13	Pass
1849	1850	0.033	/	2	1850.000	-24.83	-13	Pass
1850	1853	0.033	/	/	/	/	/	/



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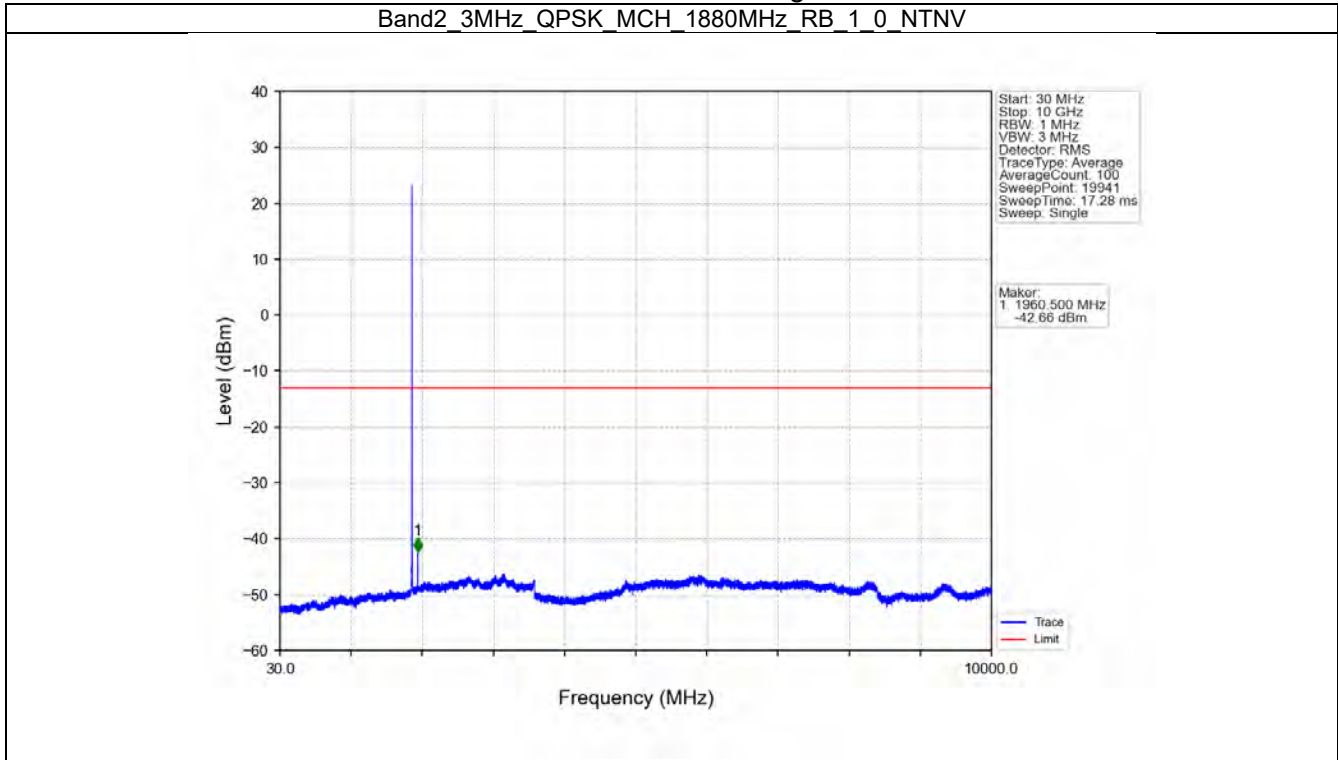
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Band2_3MHz_QPSK_MCH_1880MHz_RB_1_0_NTNV



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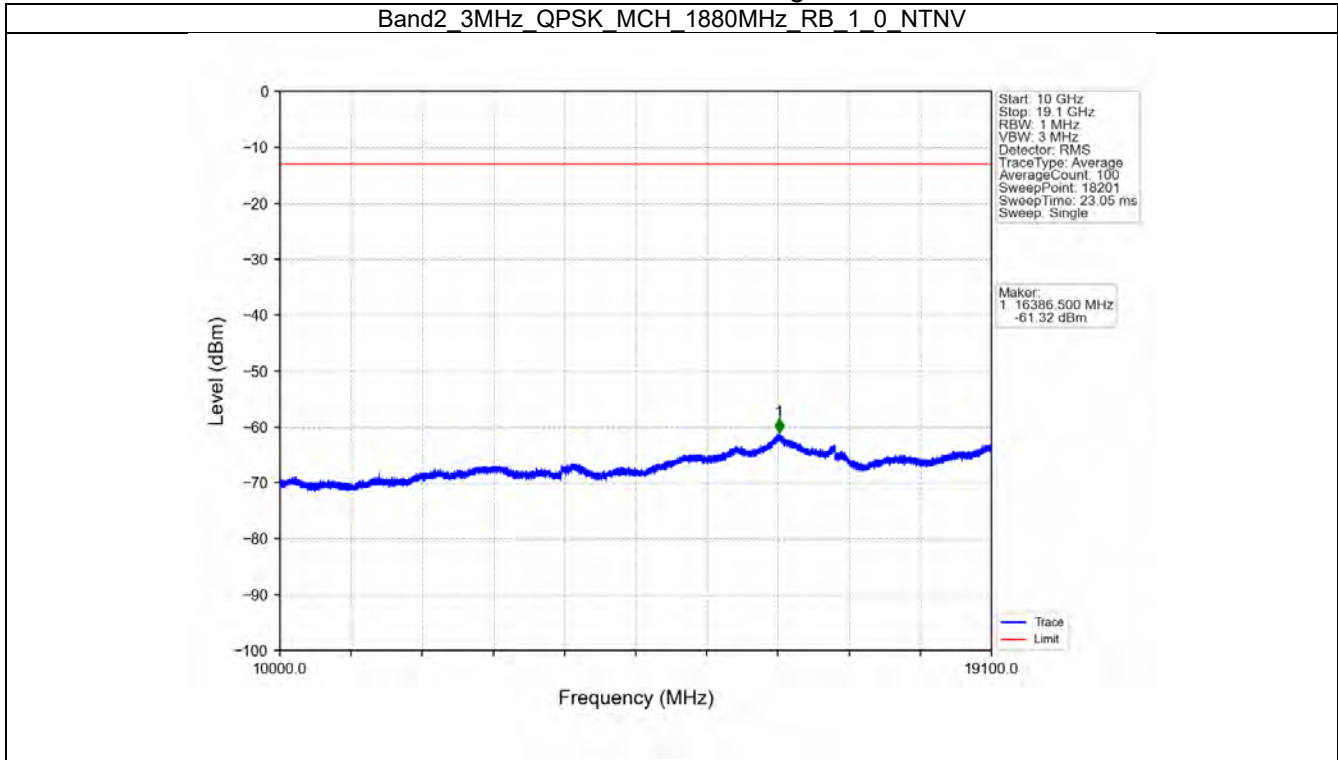
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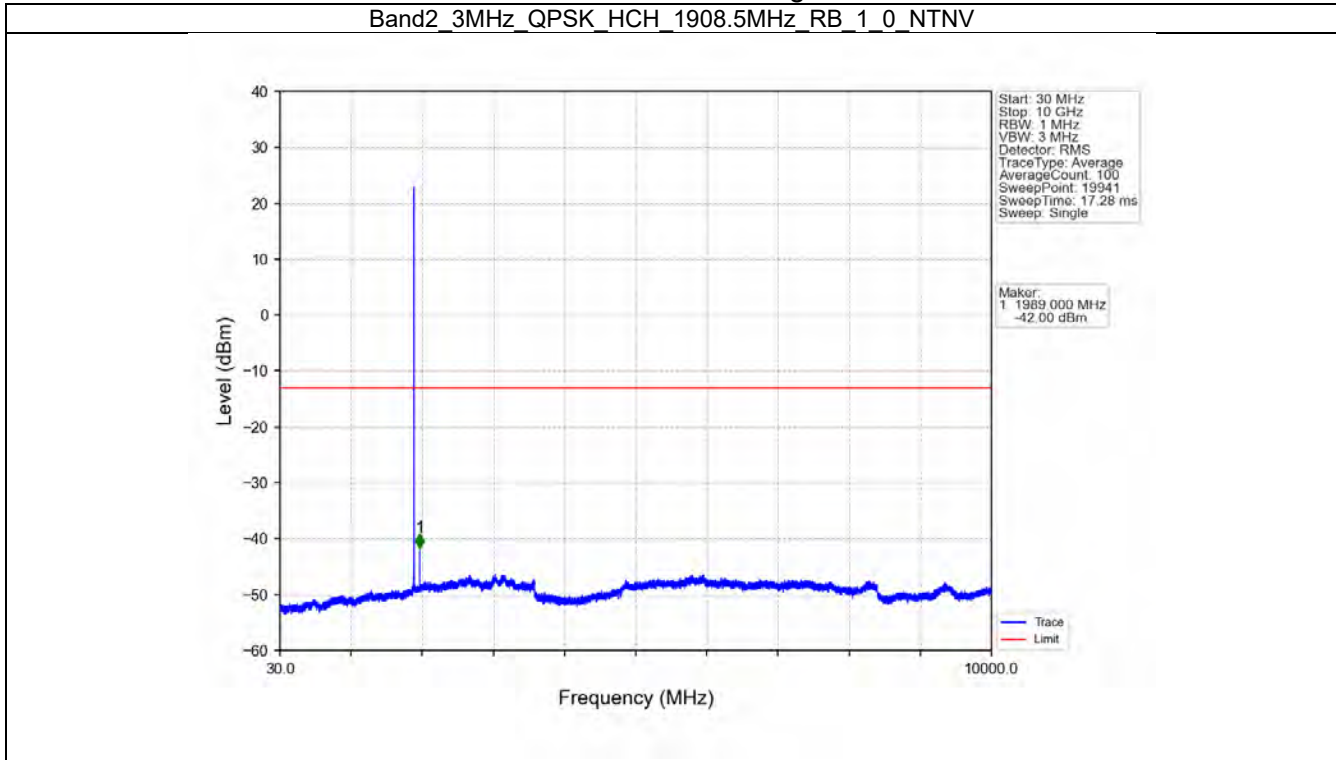
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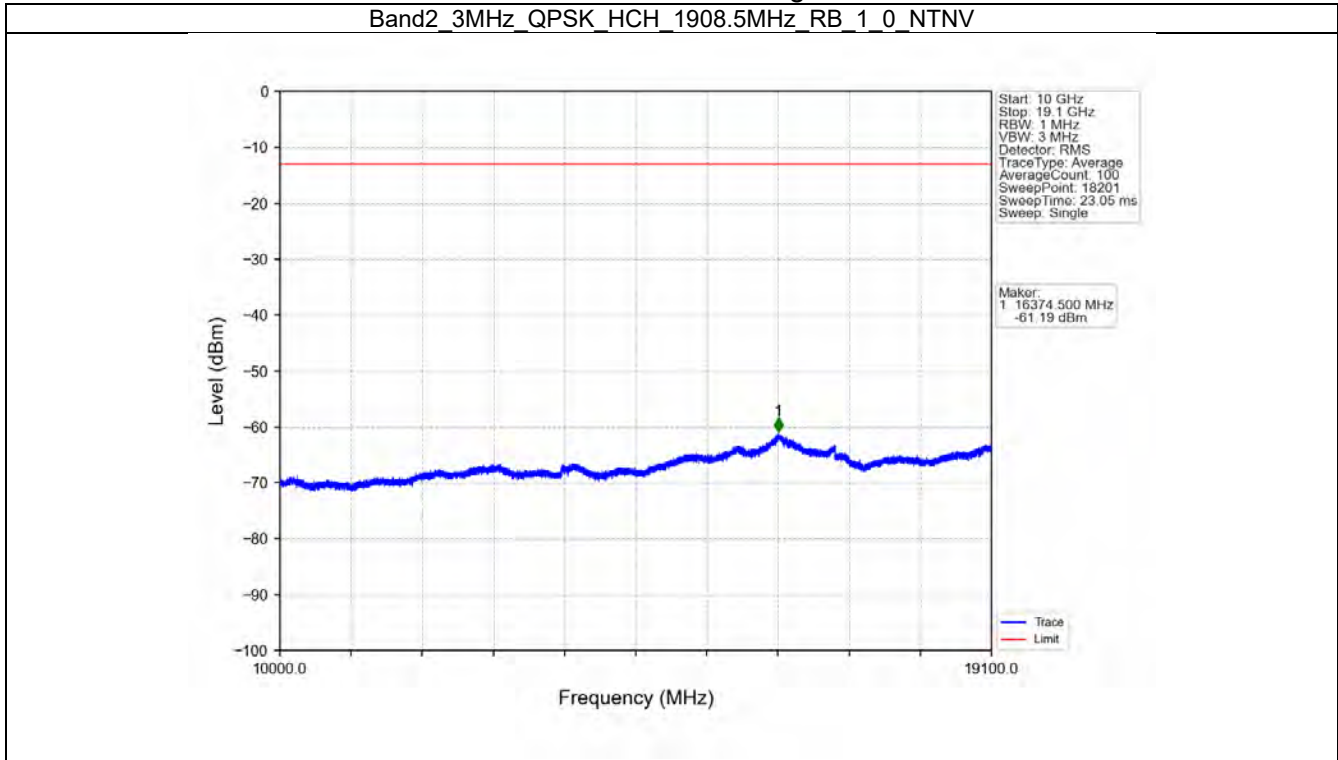
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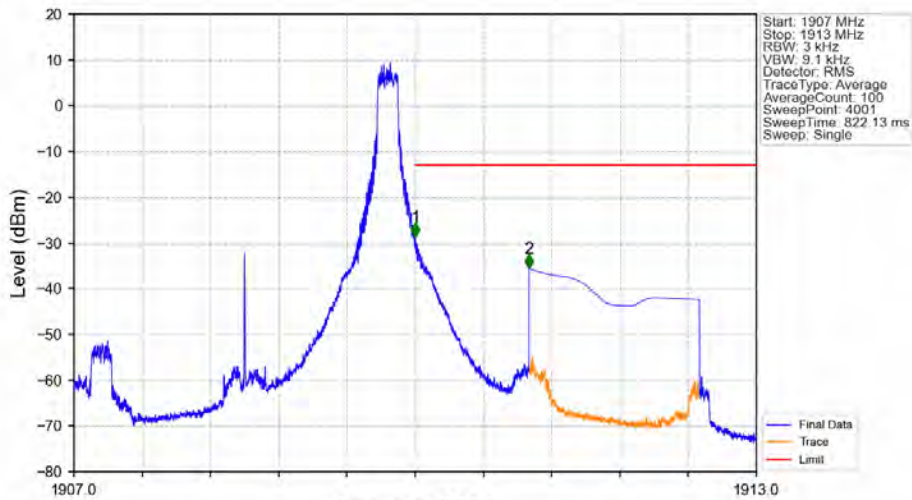
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Band2_3MHz_QPSK_HCH_1908.5MHz_RB_1_14_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1907	1910	0.003	/	1	1910.002	-28.72	-13	Pass
1910	1911	0.003	/	1	1910.002	-28.72	-13	Pass
1911	1913	1	CHP	2	1911.001	-35.58	-13	Pass



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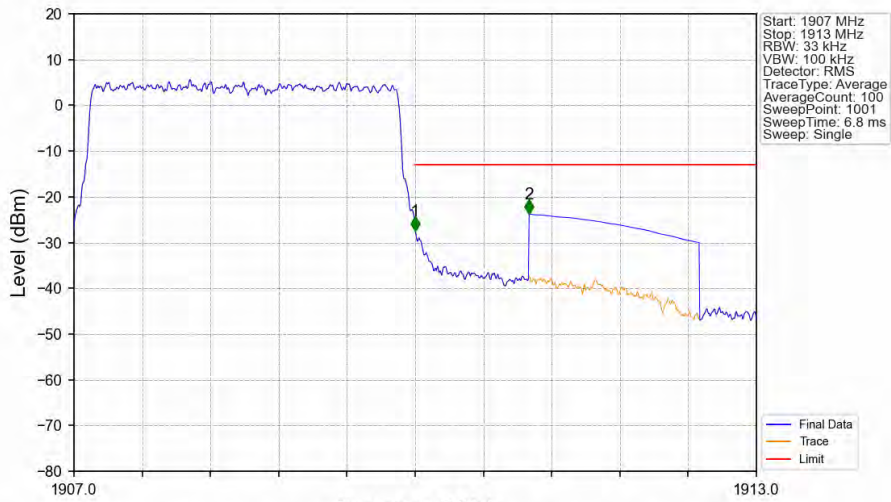
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Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1907	1910	0.033	/	/	/	/	/	/
1910	1911	0.033	/	1	1910.000	-27.40	-13	Pass
1911	1913	1	CHP	2	1911.002	-23.79	-13	Pass



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5.3 B2_5MHz

5.3.1 Test Result

Band: 2 / Bandwidth: 5MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	1852.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	1880	1	0	Refer To Test Graph		Pass
	1907.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass

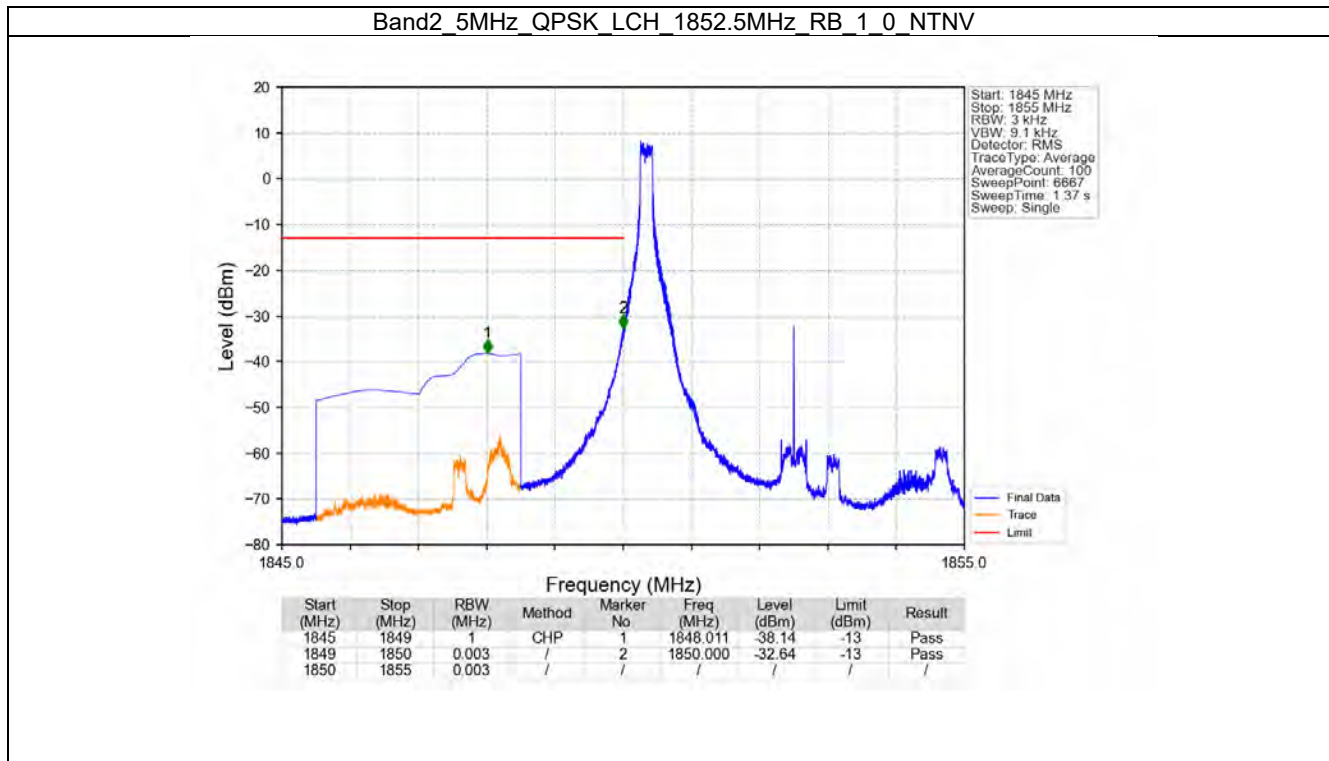


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5.3.2 Test Graph



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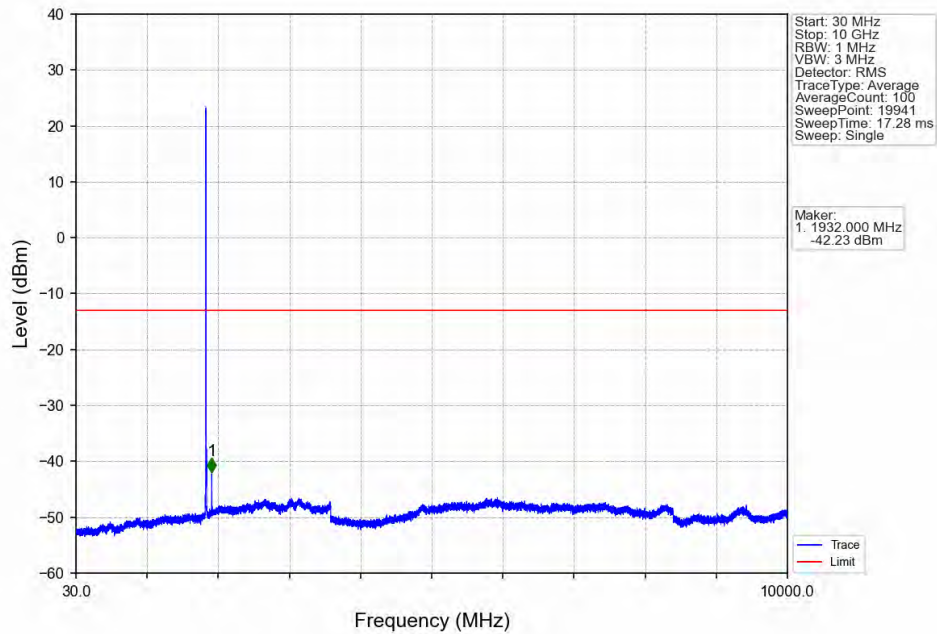
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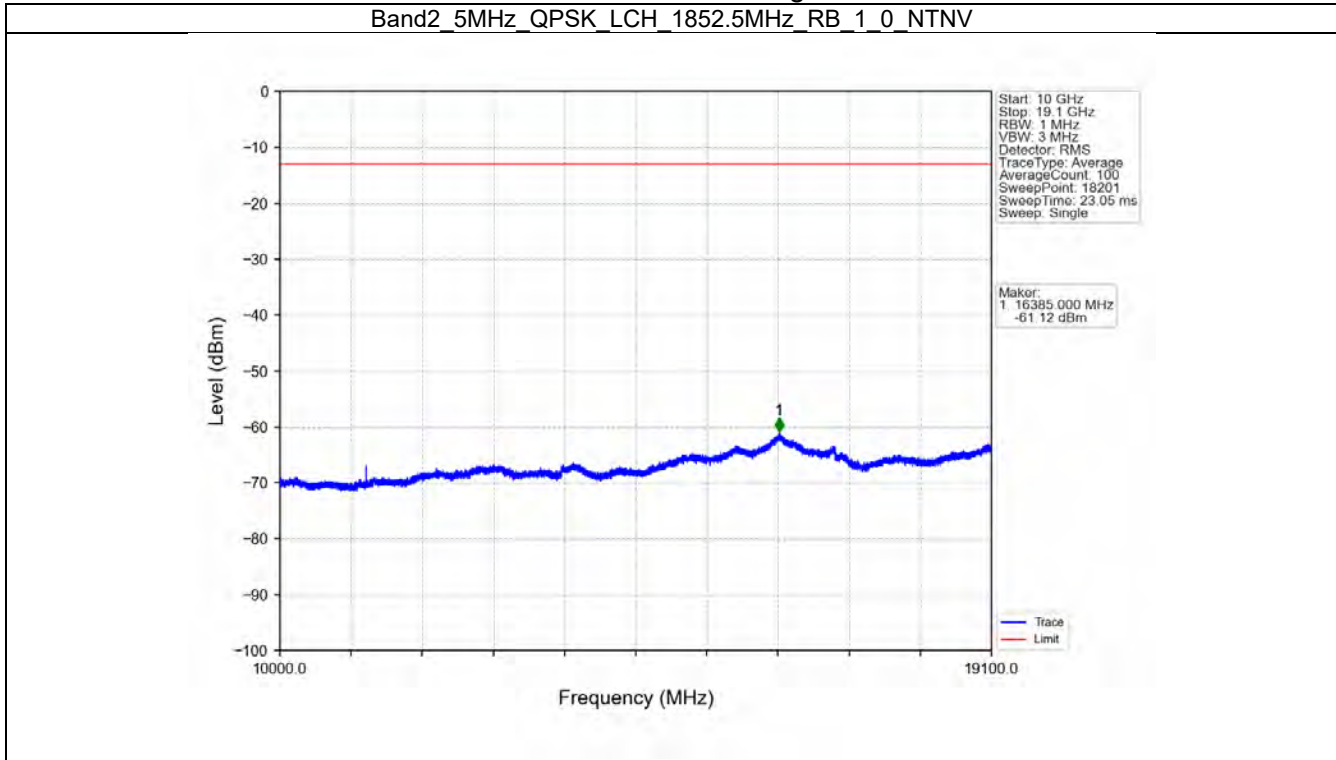
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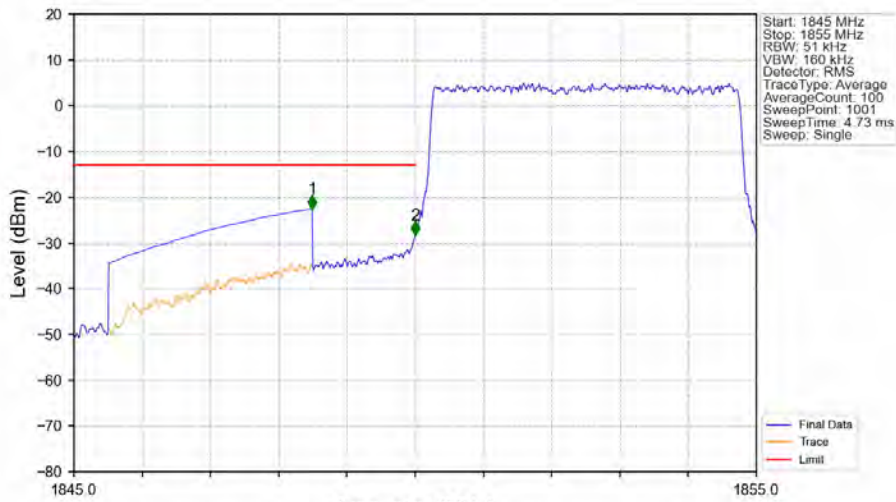
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Band2_5MHz_QPSK_LCH_1852.5MHz_RB_25_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1845	1849	1	CHP	1	1848.490	-22.59	-13	Pass
1849	1850	0.051	/	2	1850.000	-28.27	-13	Pass
1850	1855	0.051	/	/	/	/	/	/



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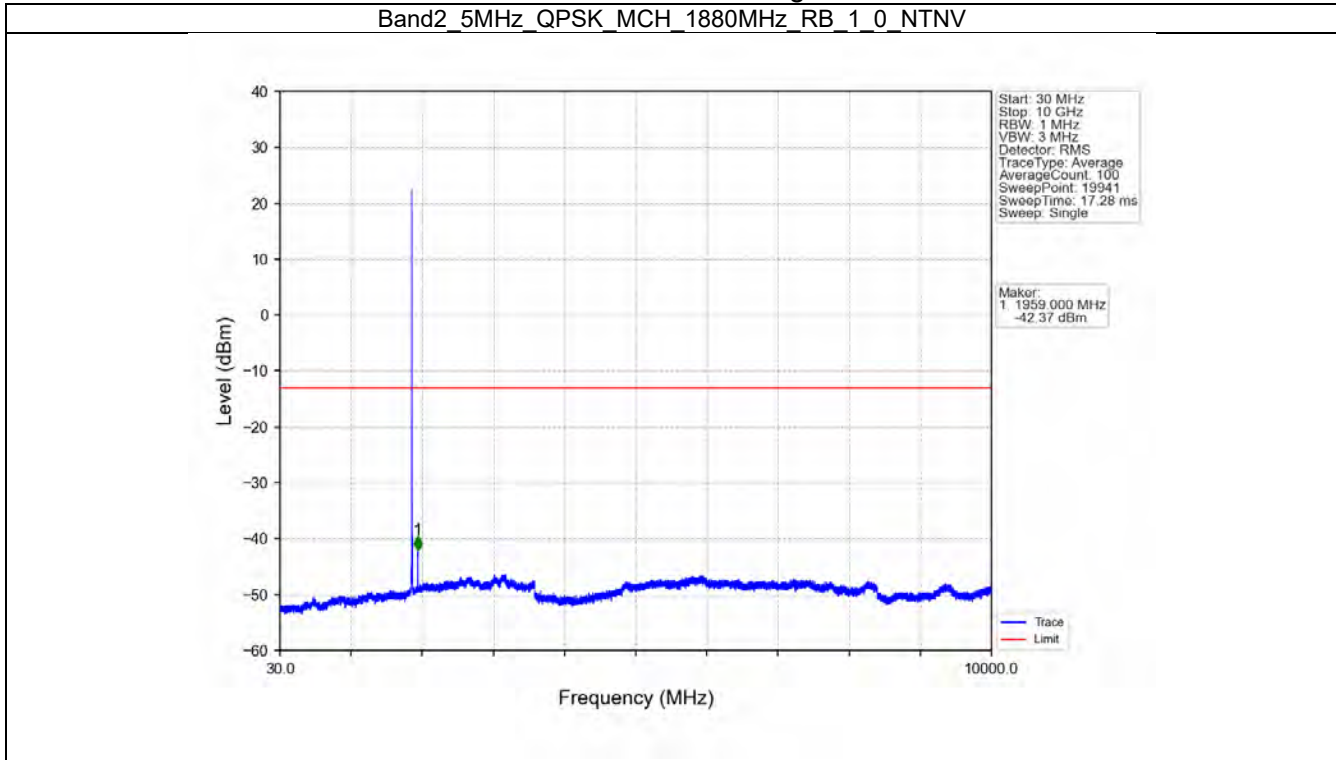
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Band2_5MHz_QPSK_MCH_1880MHz_RB_1_0_NTNV



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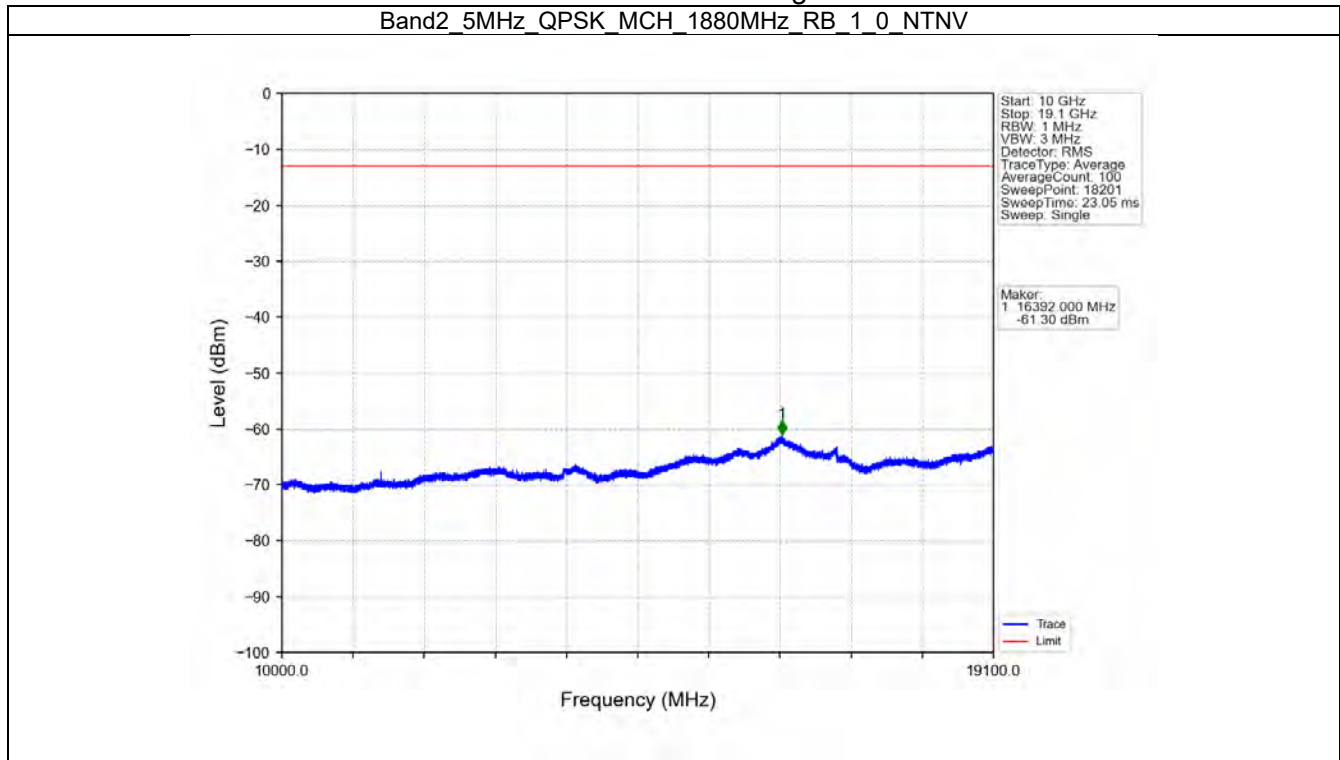
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Band2_5MHz_QPSK_MCH_1880MHz_RB_1_0_NTNV



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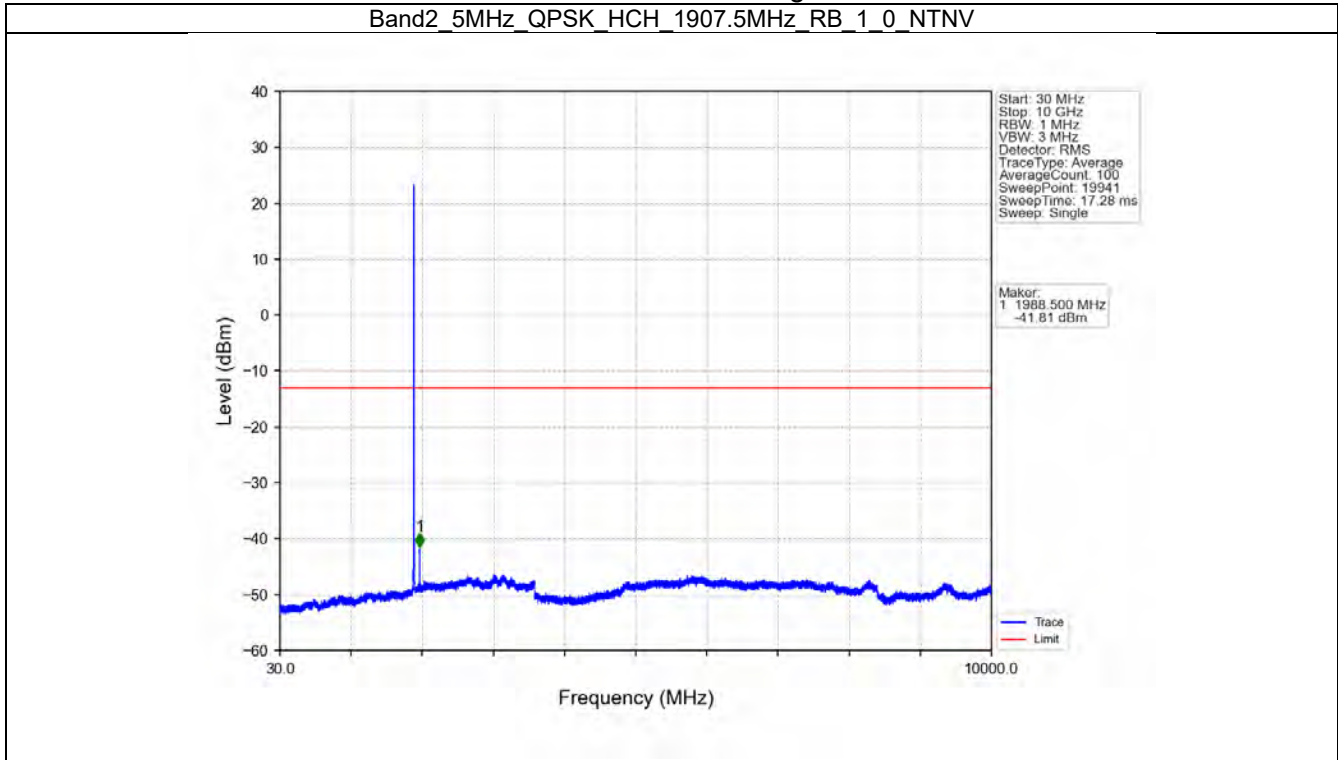
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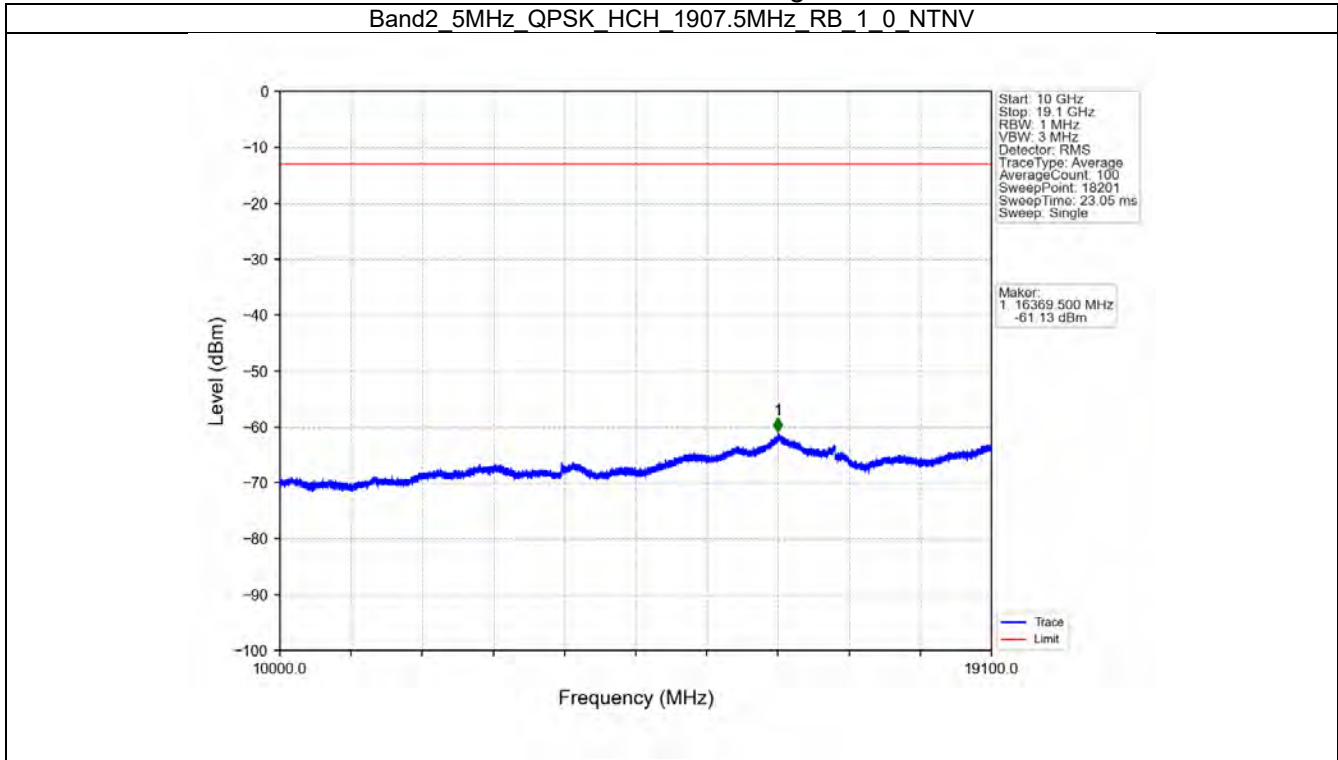
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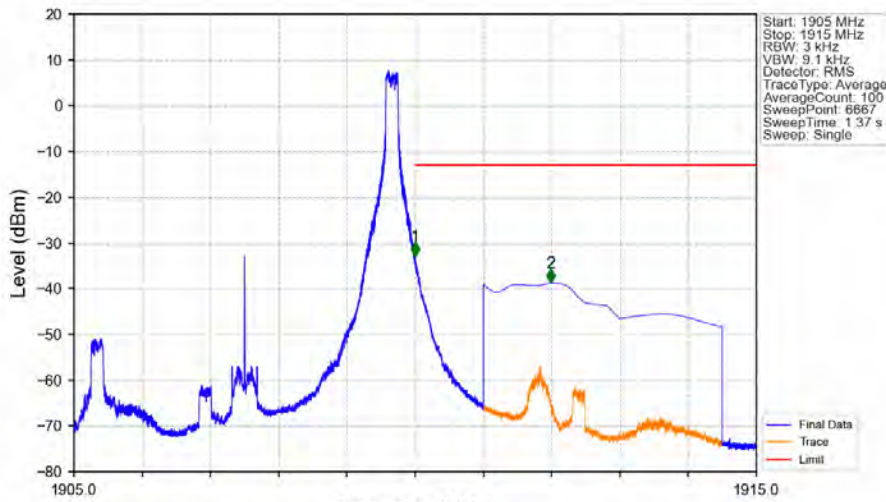
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Band2_5MHz_QPSK_HCH_1907.5MHz_RB_1_24_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1905	1910	0.003	/	1	1910.000	-32.91	-13	Pass
1910	1911	0.003	/	1	1910.000	-32.91	-13	Pass
1911	1915	1	CHP	2	1911.983	-38.80	-13	Pass



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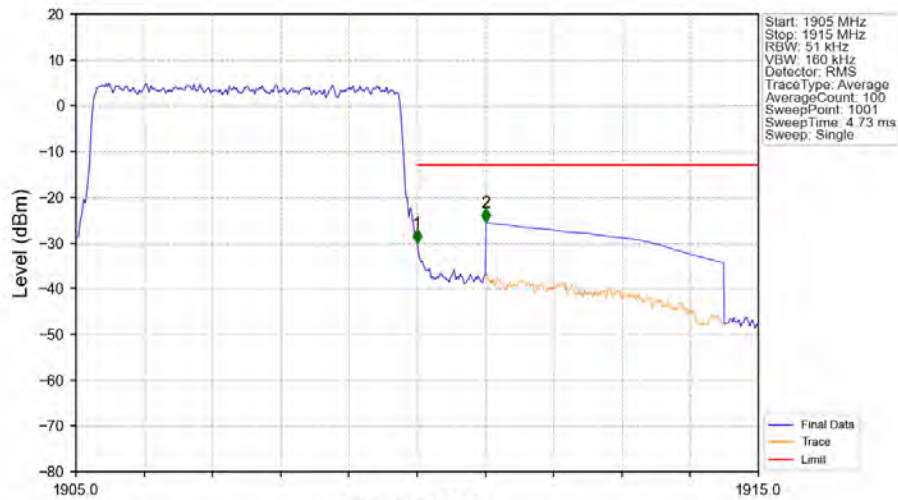
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Band2_5MHz_QPSK_HCH_1907.5MHz_RB_25_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1905	1910	0.051	/	1	1910.000	-30.08	-13	Pass
1910	1911	0.051	/	1	1910.000	-30.08	-13	Pass
1911	1915	1	CHP	2	1911.010	-25.56	-13	Pass



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5.4 B2_10MHz

5.4.1 Test Result

Band: 2 / 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
	1880	1	0	Refer To Test Graph		Pass
	1905	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass

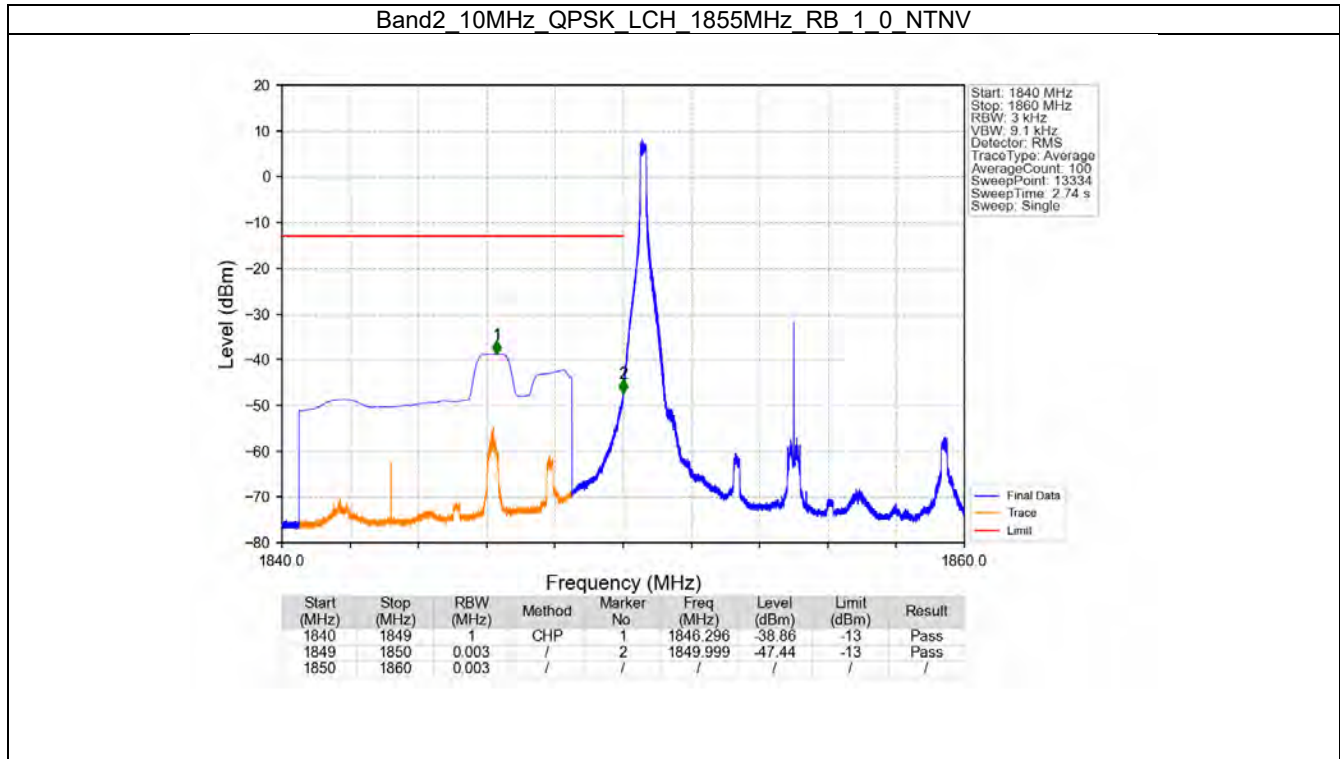


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5.4.2 Test Graph



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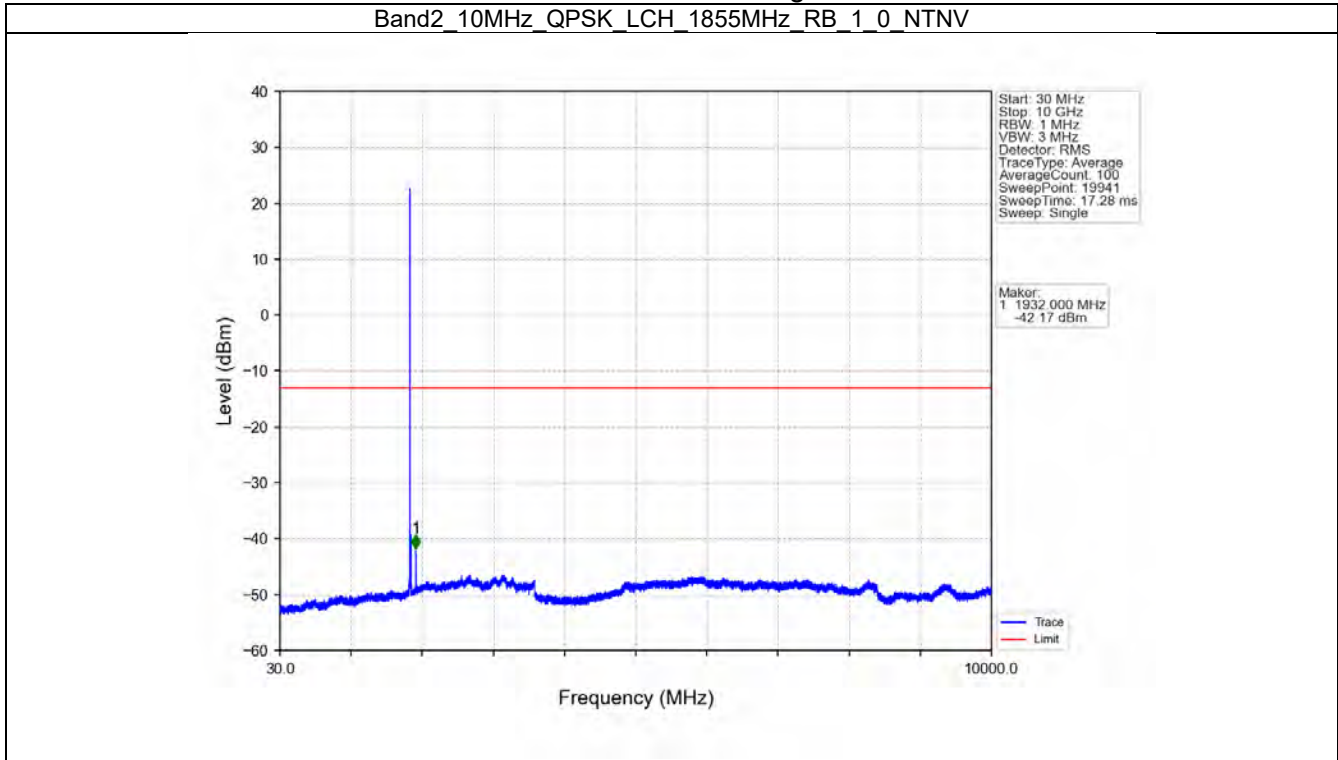
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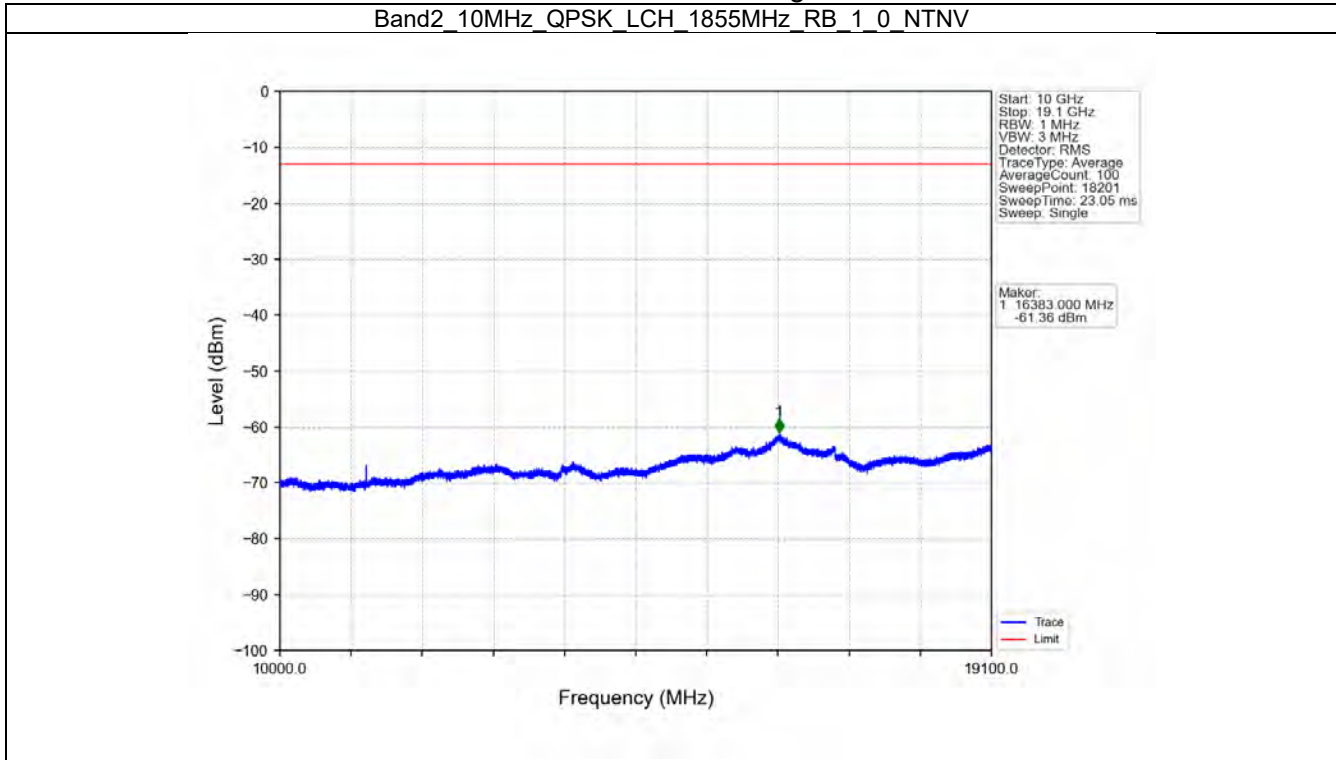
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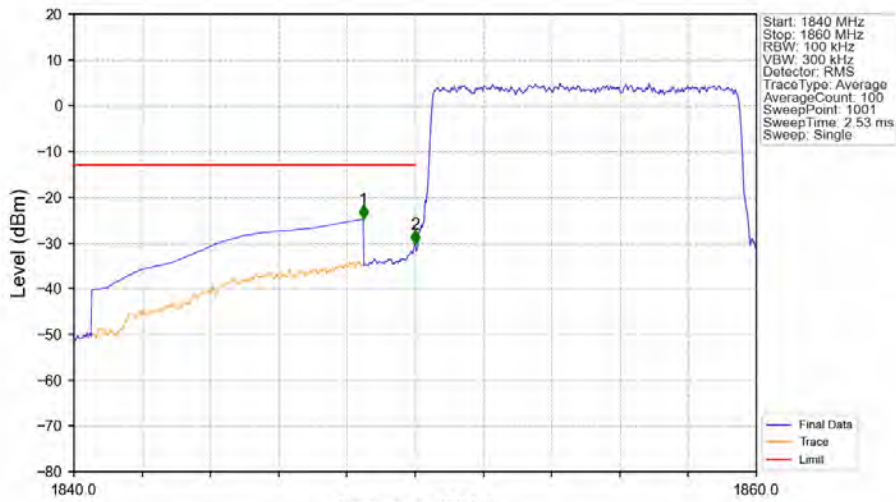
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Band2_10MHz_QPSK_LCH_1855MHz_RB_50_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1840	1849	1	CHP	1	1848.480	-24.87	-13	Pass
1849	1850	0.1	/	2	1850.000	-30.32	-13	Pass
1850	1860	0.1	/	/	/	/	/	/

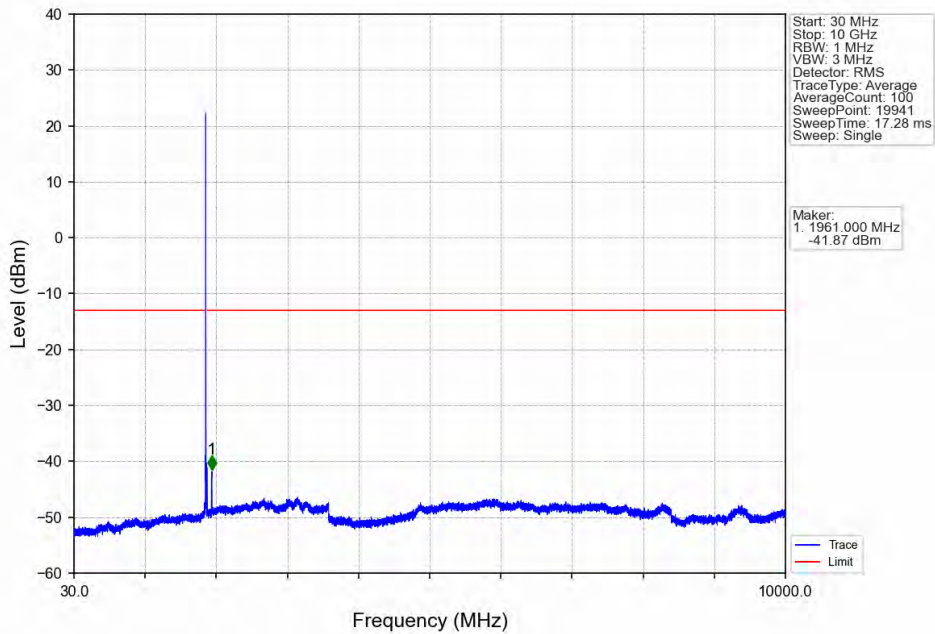


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Band2_10MHz_QPSK_MCH_1880MHz_RB_1_0_NTNV



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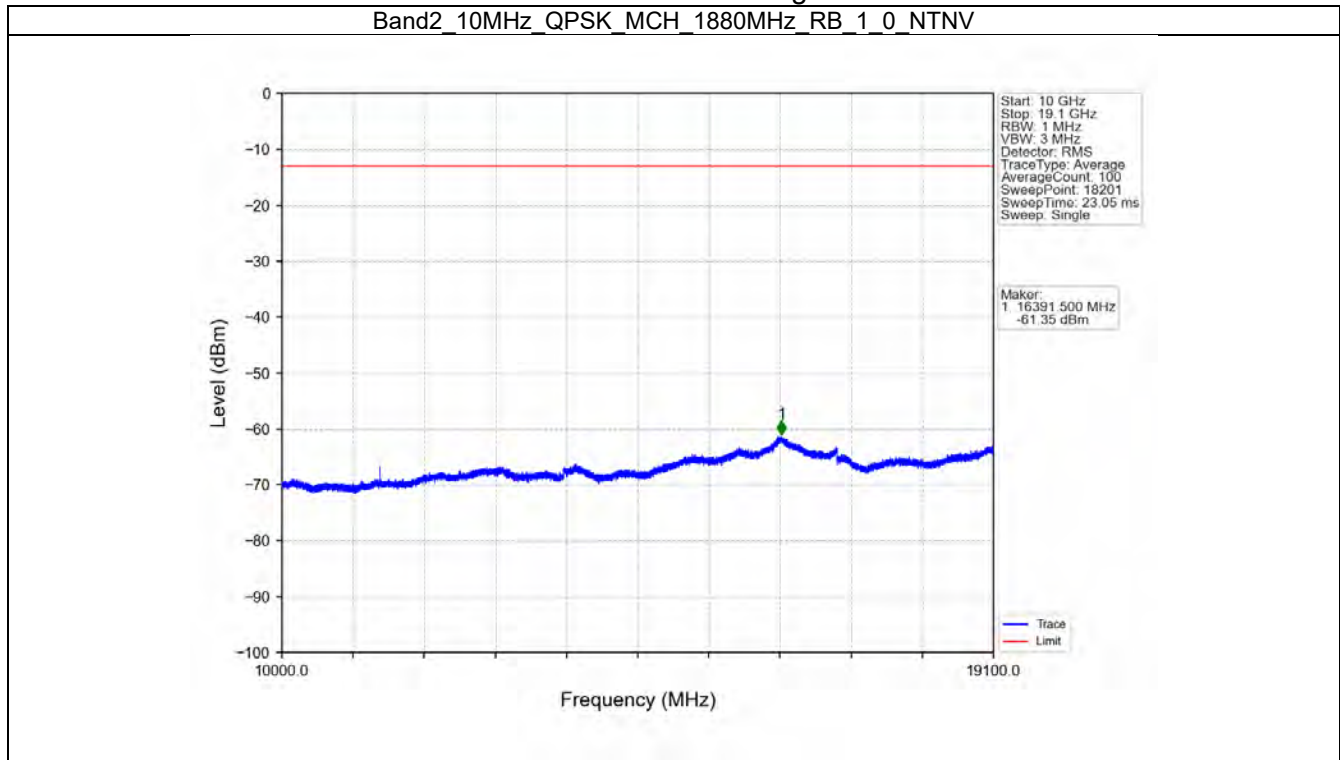
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Band2_10MHz_QPSK_MCH_1880MHz_RB_1_0_NTNV



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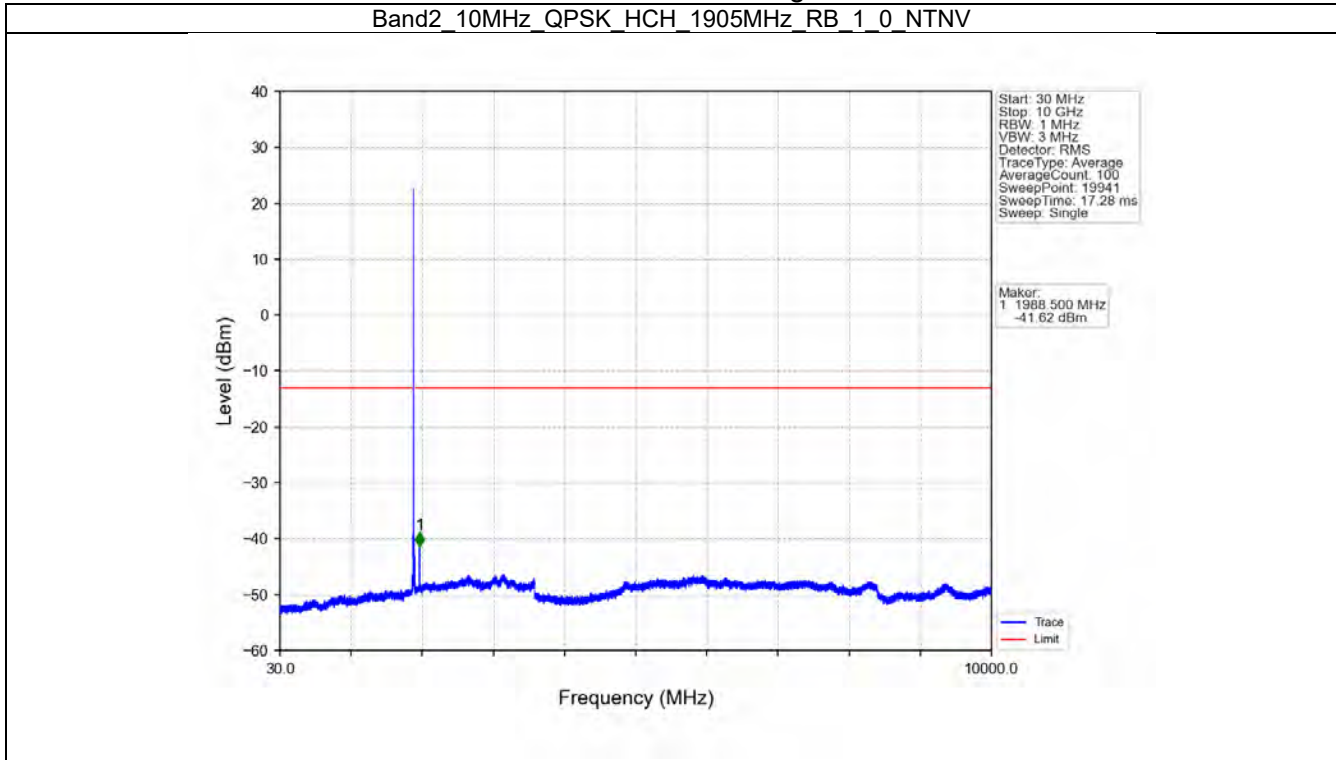
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Band2_10MHz_QPSK_HCH_1905MHz_RB_1_0_NTNV



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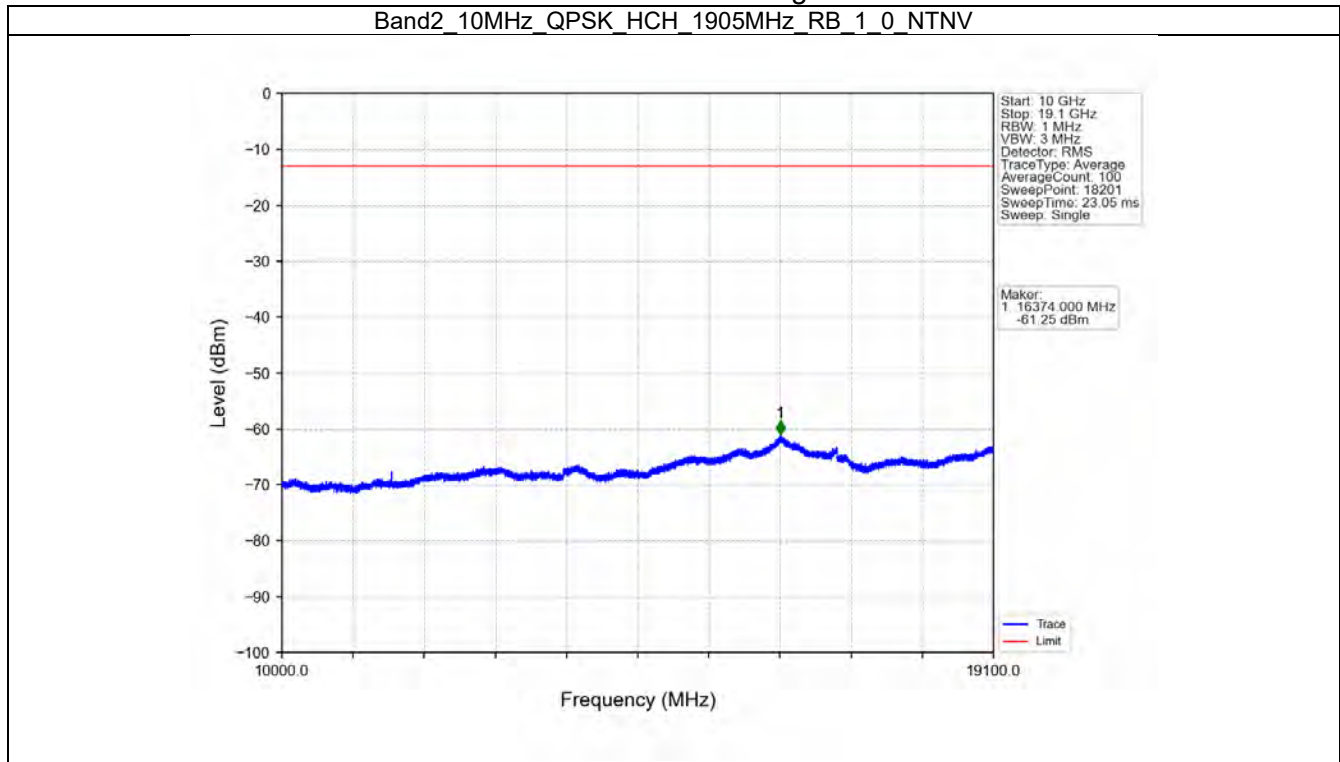
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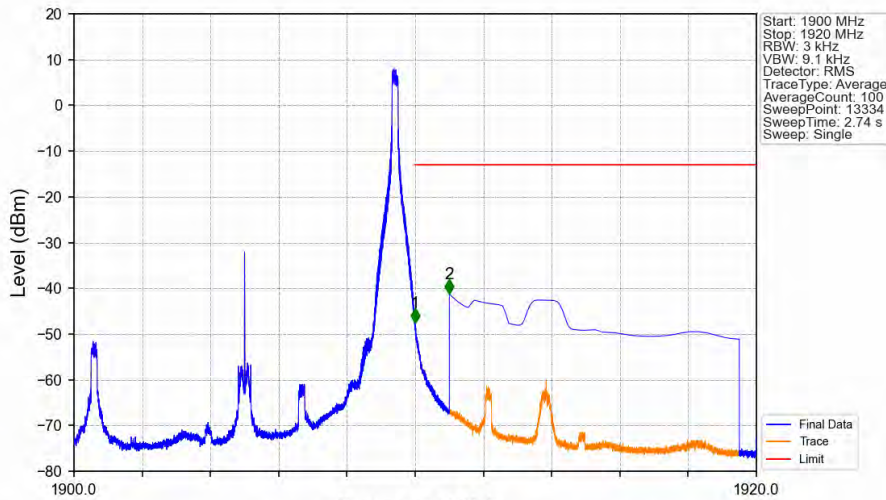
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Band2_10MHz_QPSK_HCH_1905MHz_RB_1_49_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1900	1910	0.003	/	/	/	/	/	/
1910	1911	0.003	/	1	1910.001	-47.61	-13	Pass
1911	1920	1	CHP	2	1911.001	-41.21	-13	Pass



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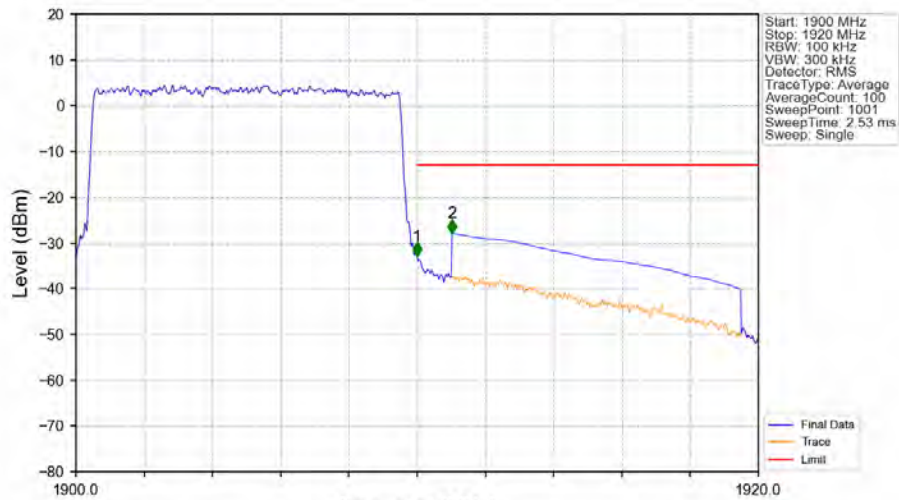
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Band2_10MHz_QPSK_HCH_1905MHz_RB_50_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1900	1910	0.1	/	1	1910.000	-32.98	-13	Pass
1910	1911	0.1	/	2	1911.020	-27.90	-13	Pass
1911	1920	1	CHP					



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5.5 B2_15MHz

5.5.1 Test Result

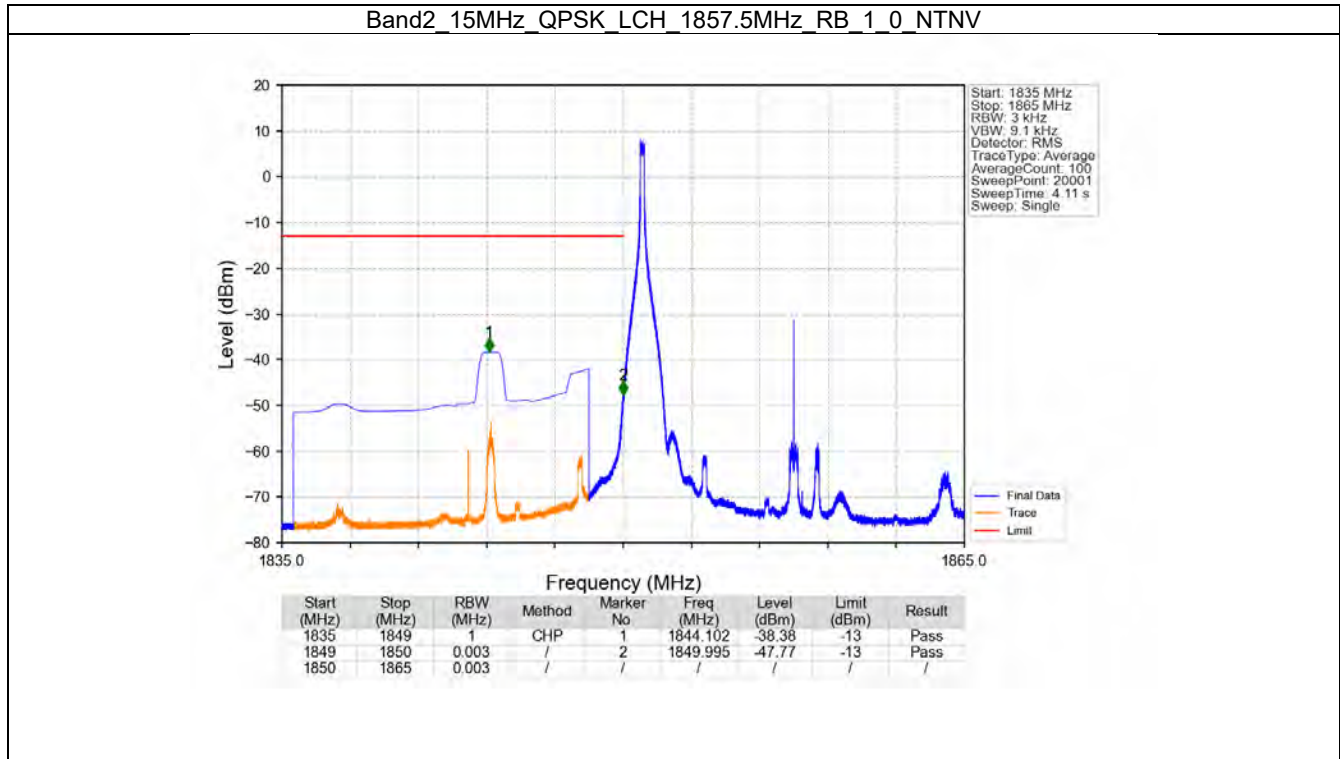
Table with columns: Modulation, Frequency (MHz), RB Allocation (Size, Offset), Spurious Emission (Result, Limit), and Verdict. Data includes QPSK modulation at frequencies 1857.5, 1880, and 1902.5 MHz.



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5.5.2 Test Graph



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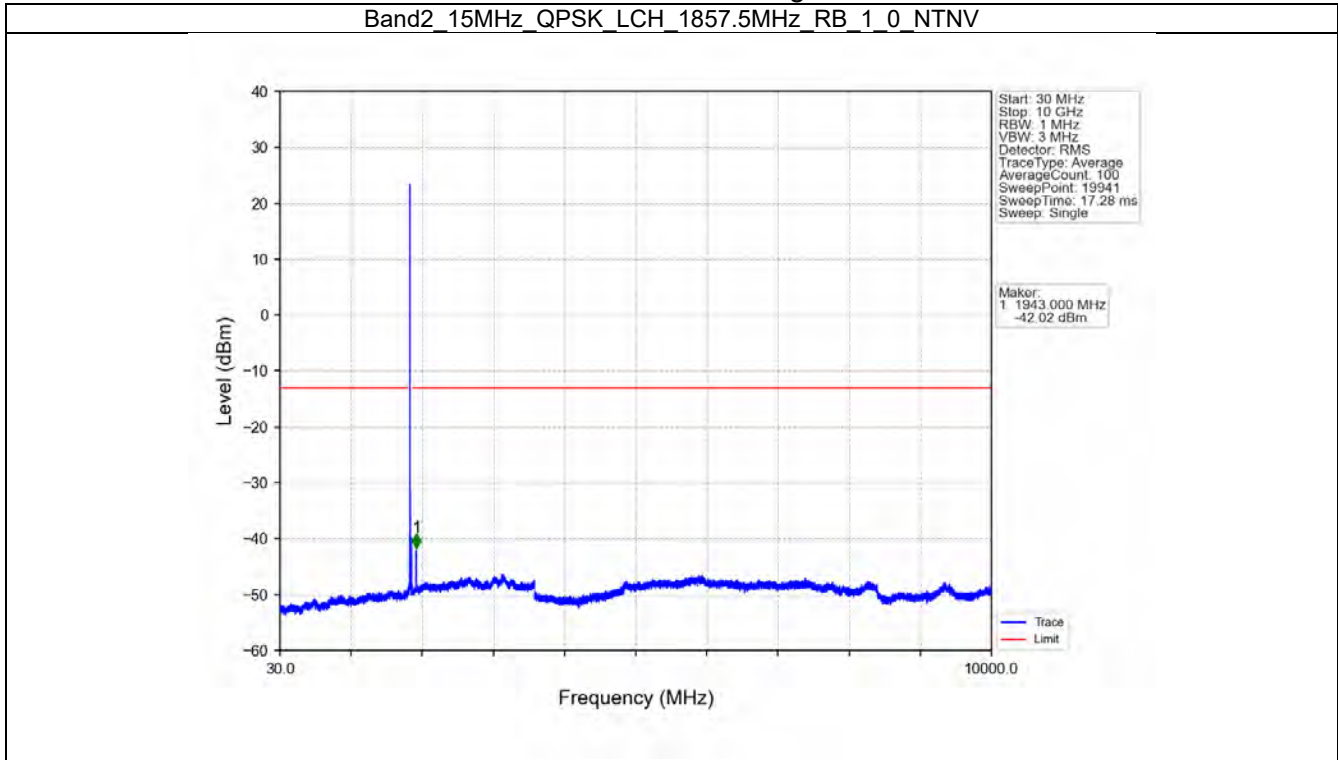
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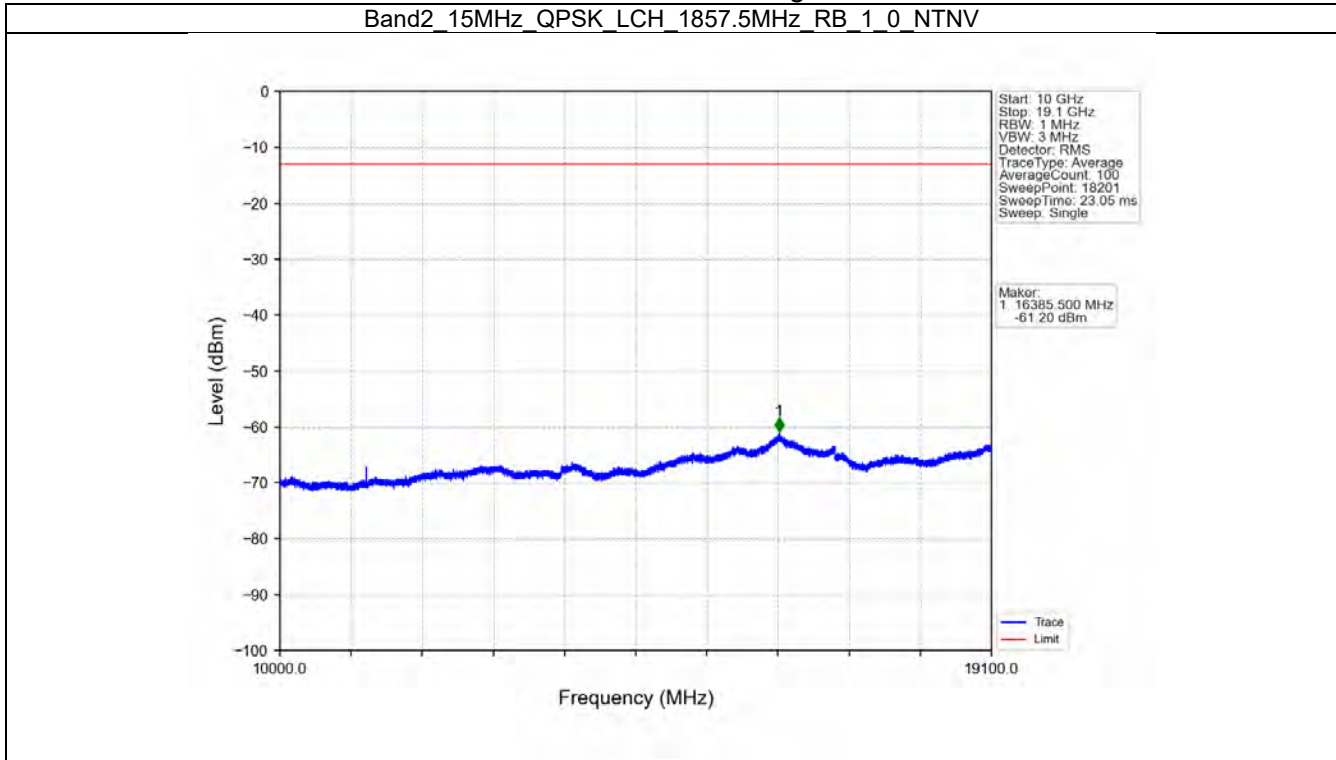
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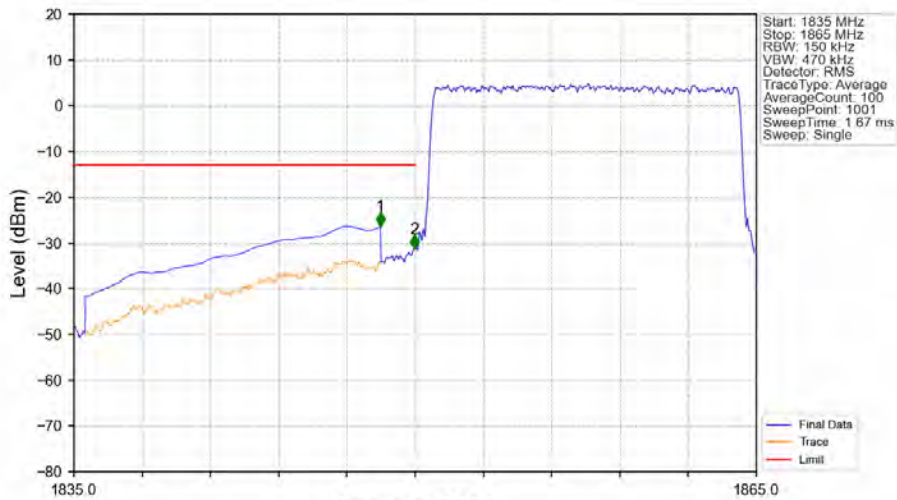
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Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1835	1849	1	CHP	1	1848.470	-26.41	-13	Pass
1849	1850	0.15	/	2	1849.970	-31.28	-13	Pass
1850	1865	0.15	/	/	/	/	/	/



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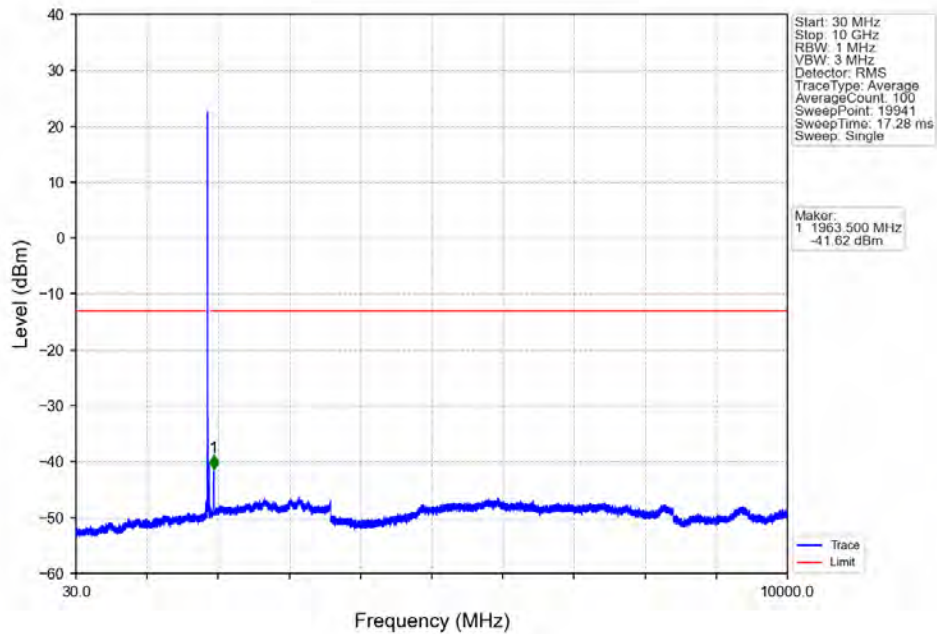
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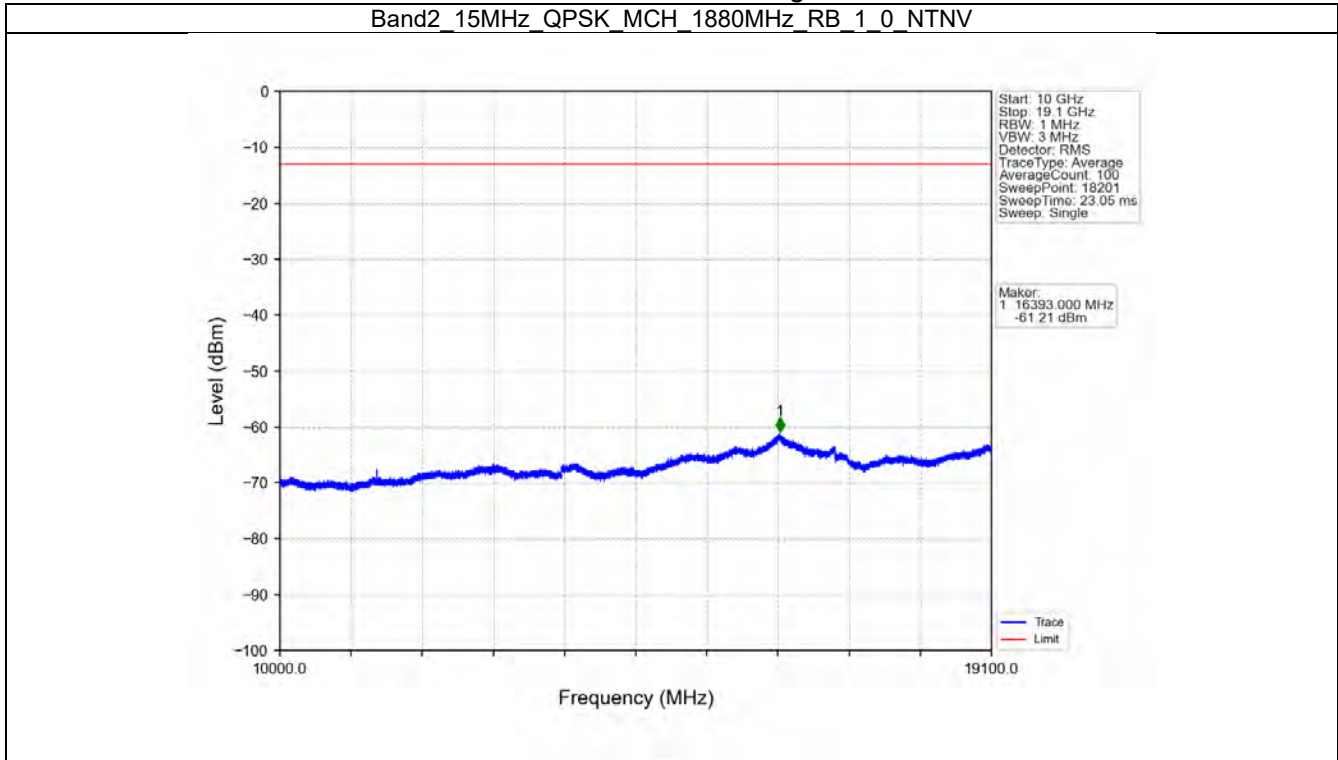
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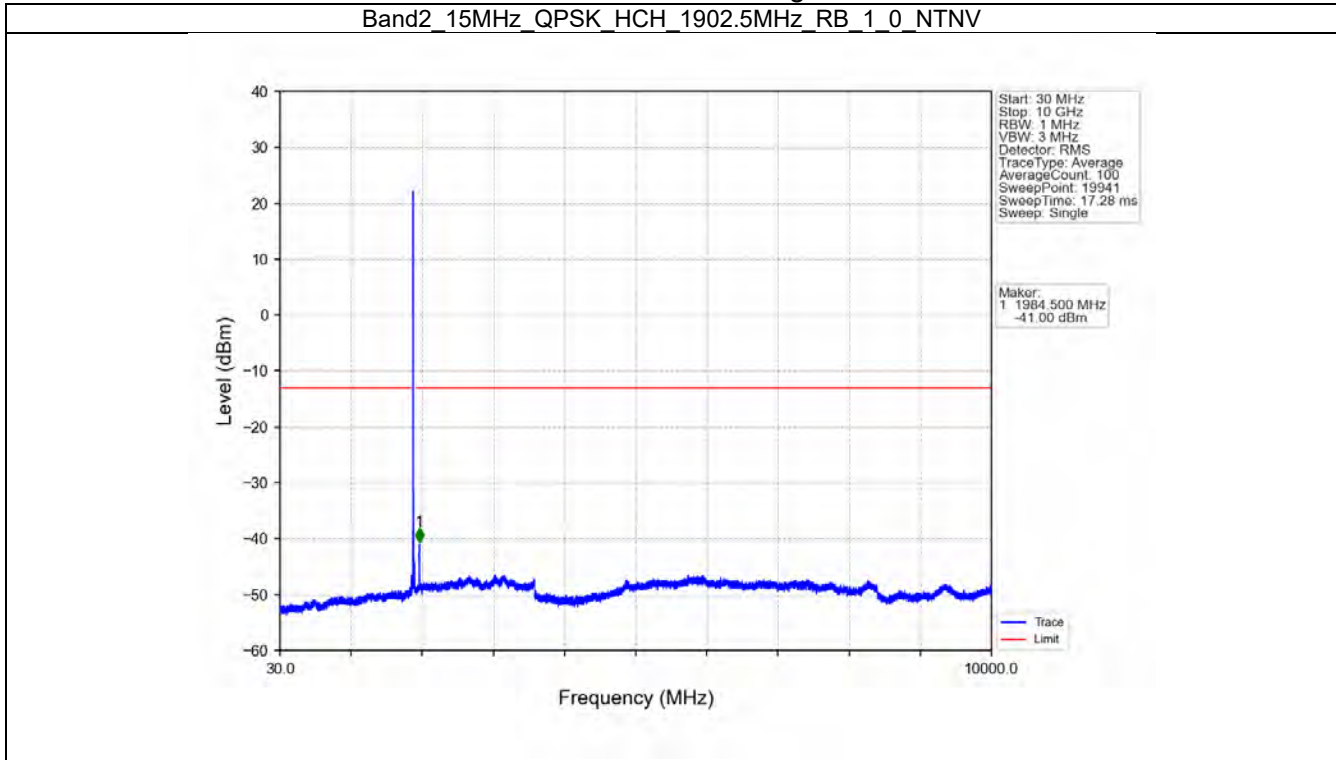
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Band2_15MHz_QPSK_HCH_1902.5MHz_RB_1_0_NTNV



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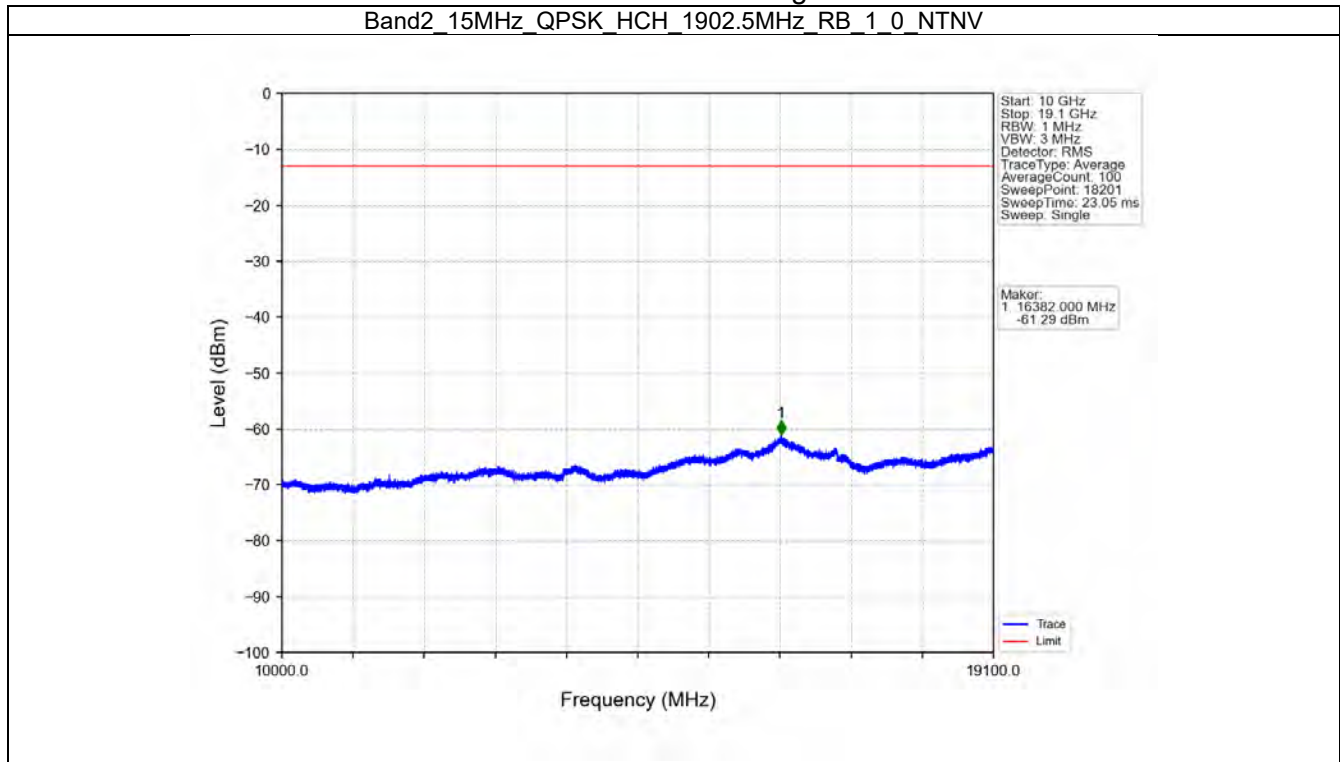
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Band2_15MHz_QPSK_HCH_1902.5MHz_RB_1_0_NTNV



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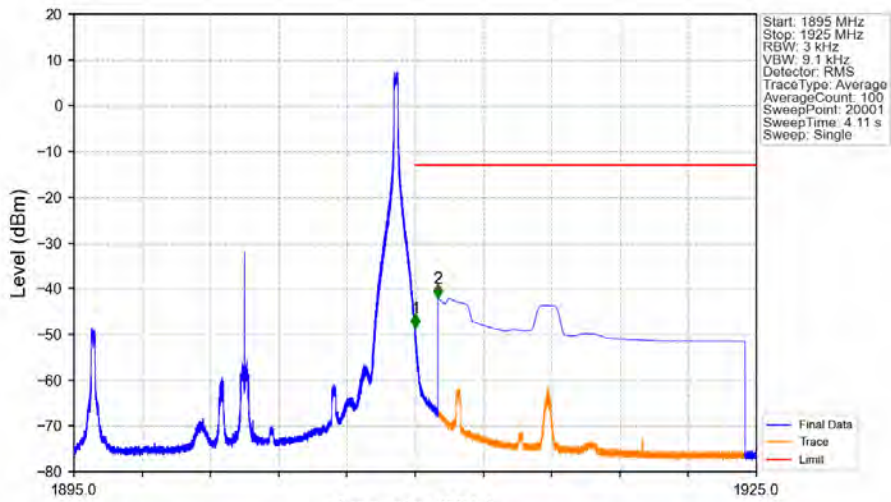
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Band2_15MHz_QPSK_HCH_1902.5MHz_RB_1_74_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1895	1910	0.003	/	1	1910.003	-48.65	-13	Pass
1910	1911	0.003	/	2	1911.001	-42.04	-13	Pass
1911	1925	1	CHP					



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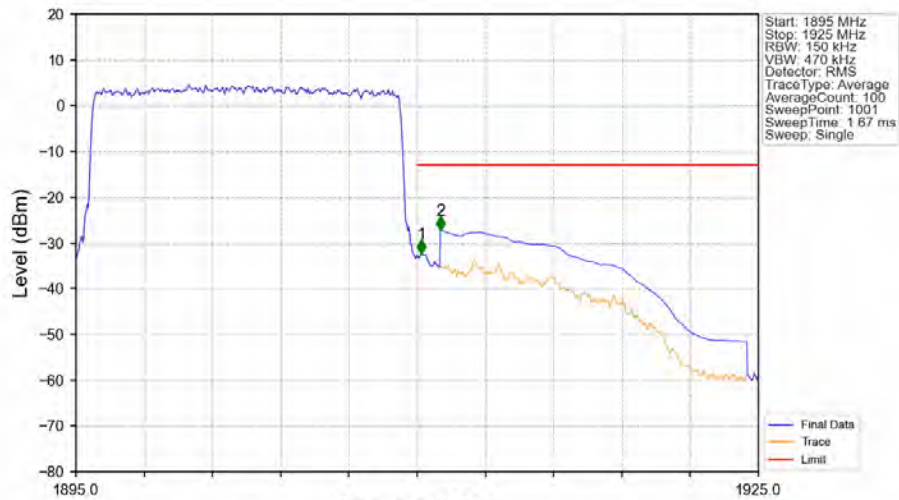
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Band2_15MHz_QPSK_HCH_1902.5MHz_RB_75_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1895	1910	0.15	/	1	1910.180	-32.45	-13	Pass
1910	1911	0.15	/	1	1910.180	-32.45	-13	Pass
1911	1925	1	CHP	2	1911.020	-27.26	-13	Pass



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5.6 B2_20MHz

5.6.1 Test Result

Band: 2 / 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
	1880	1	0	Refer To Test Graph		Pass
	1900	1	0	Refer To Test Graph		Pass
			99	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass



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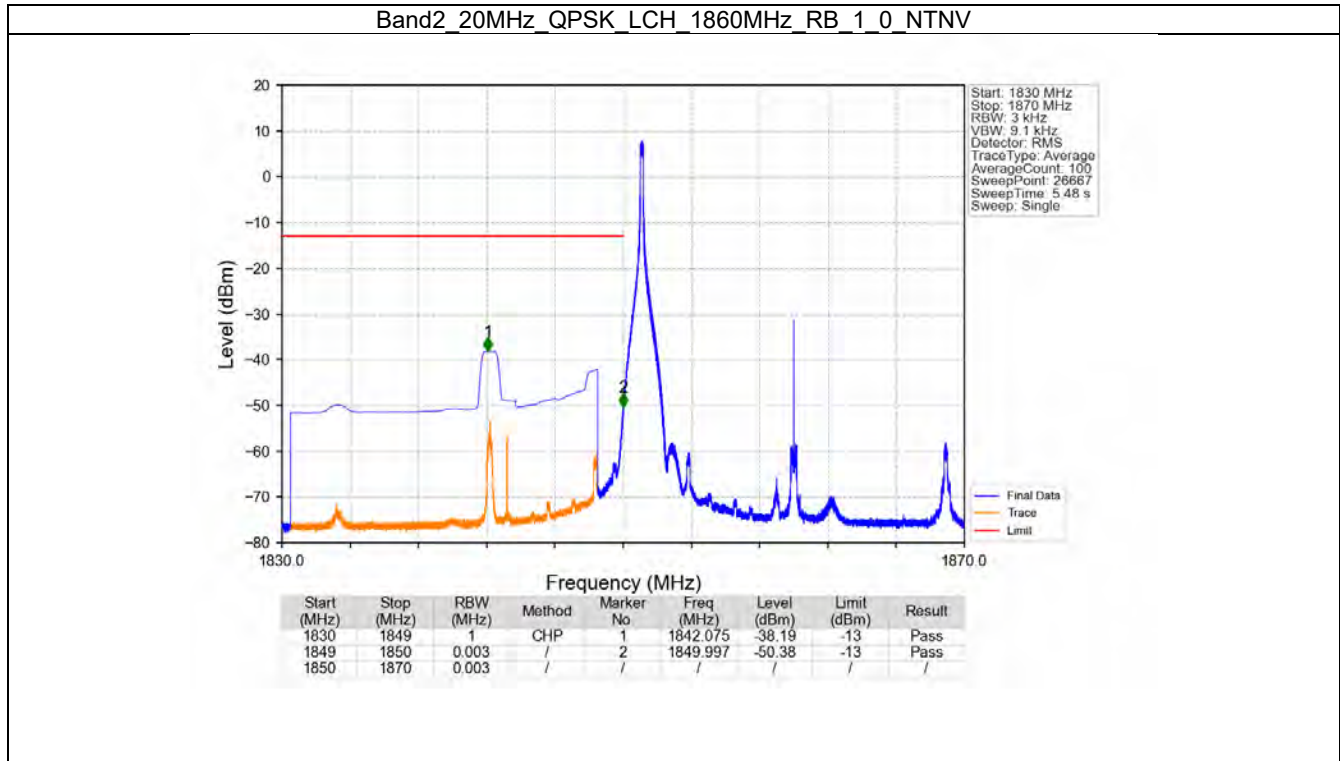
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 Wireless Laboratories & Technical Services

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5.6.2 Test Graph



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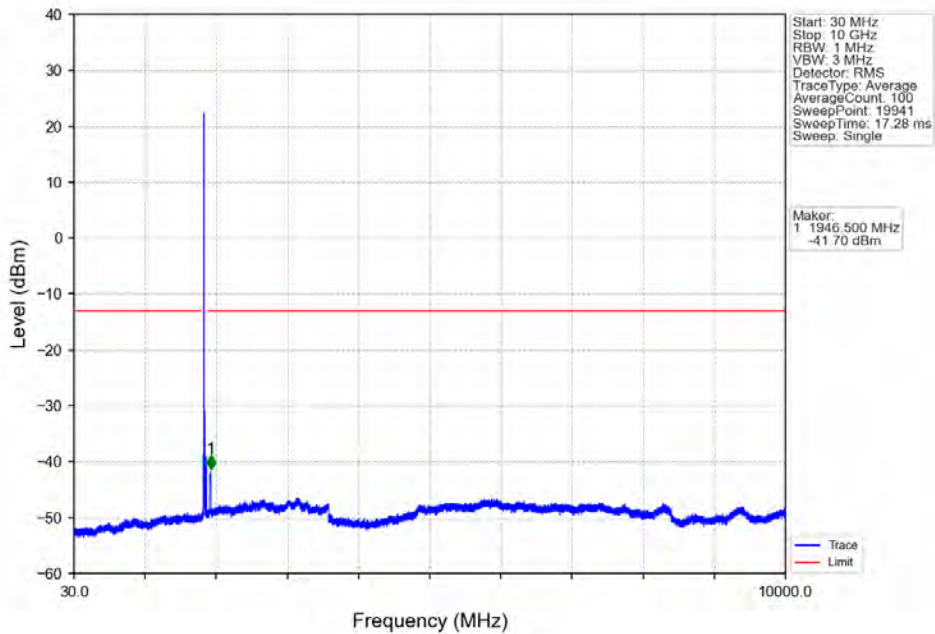
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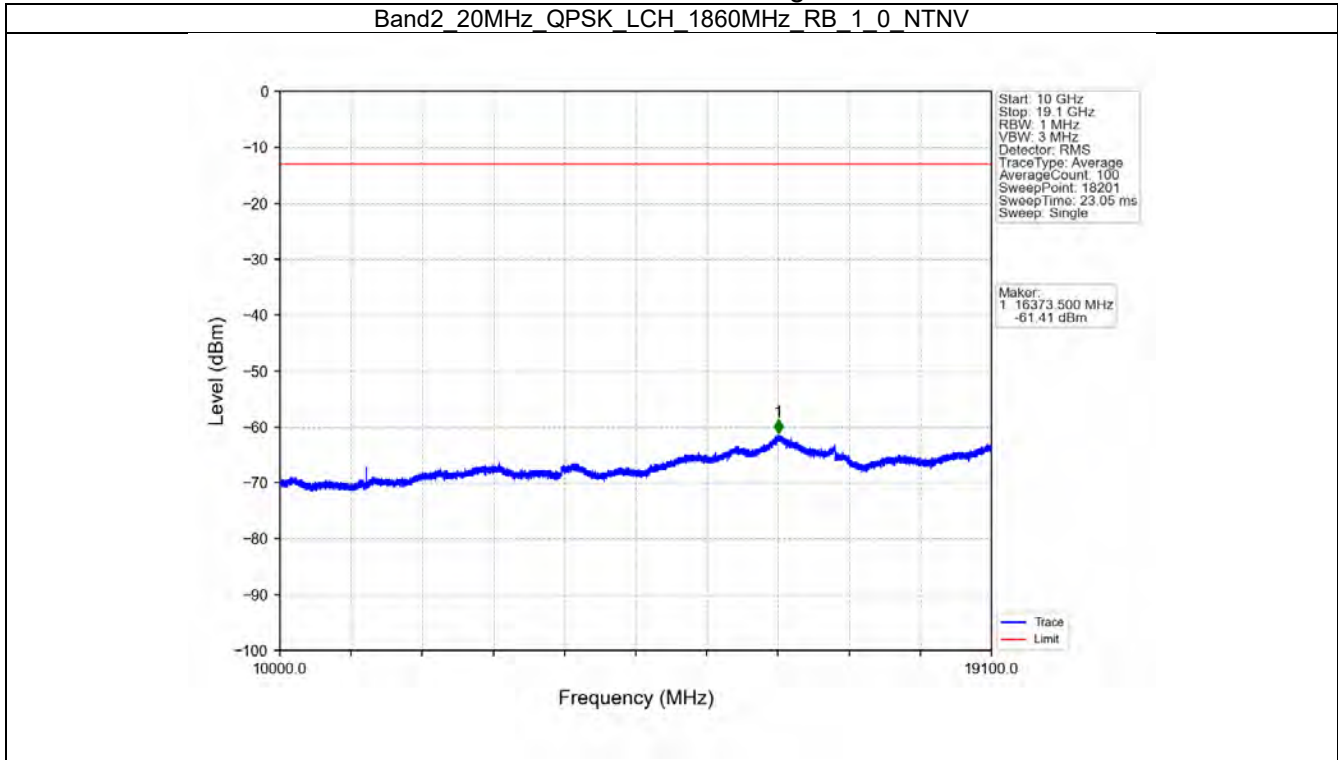
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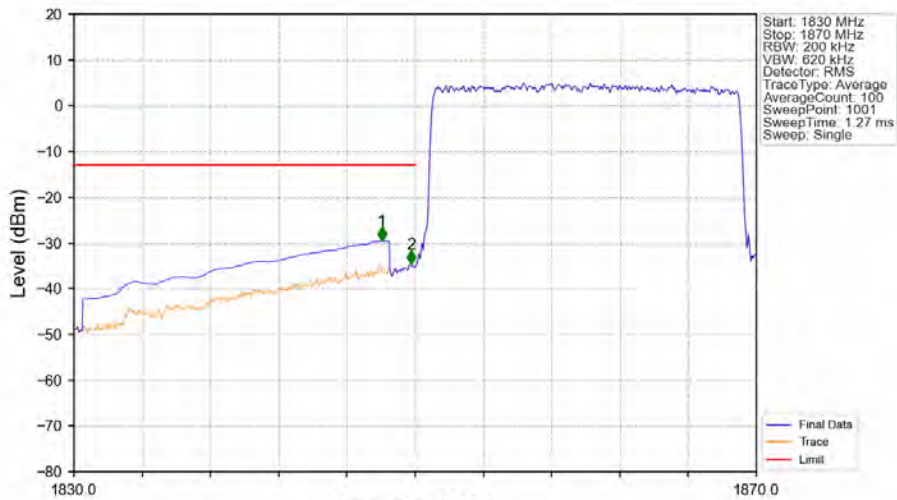
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Band2_20MHz_QPSK_LCH_1860MHz_RB_100_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1830	1849	1	CHP	1	1848.040	-29.56	-13	Pass
1849	1850	0.2	/	2	1849.760	-34.71	-13	Pass
1850	1870	0.2	/	/	/	/	/	/



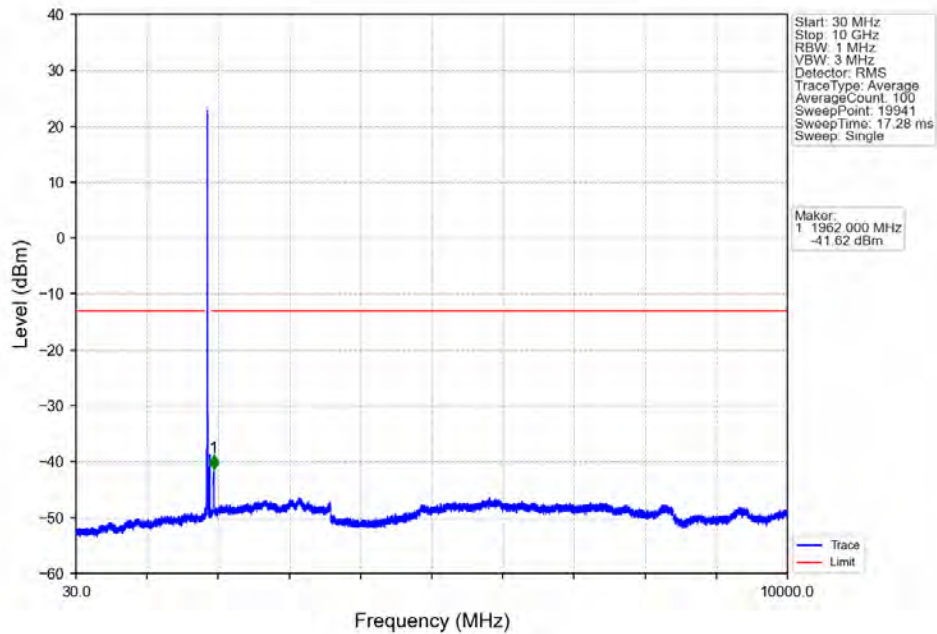
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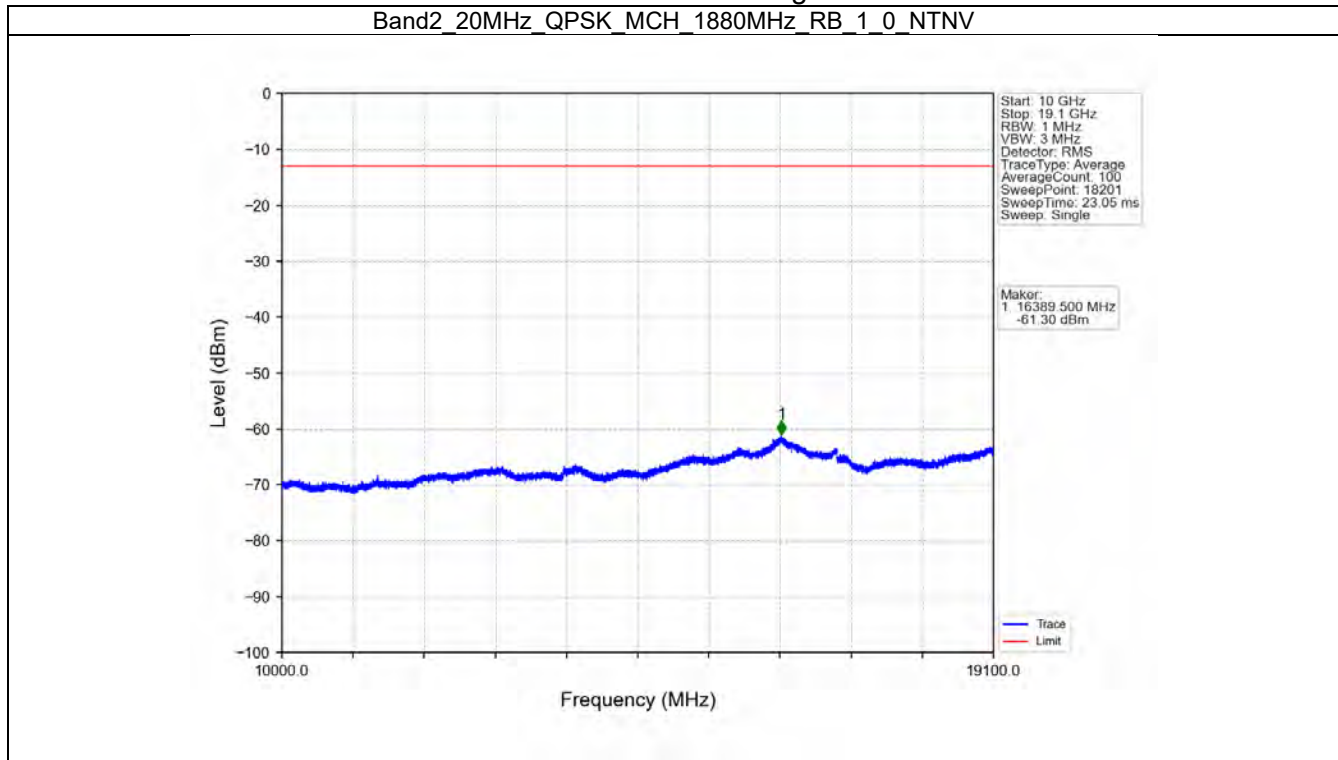
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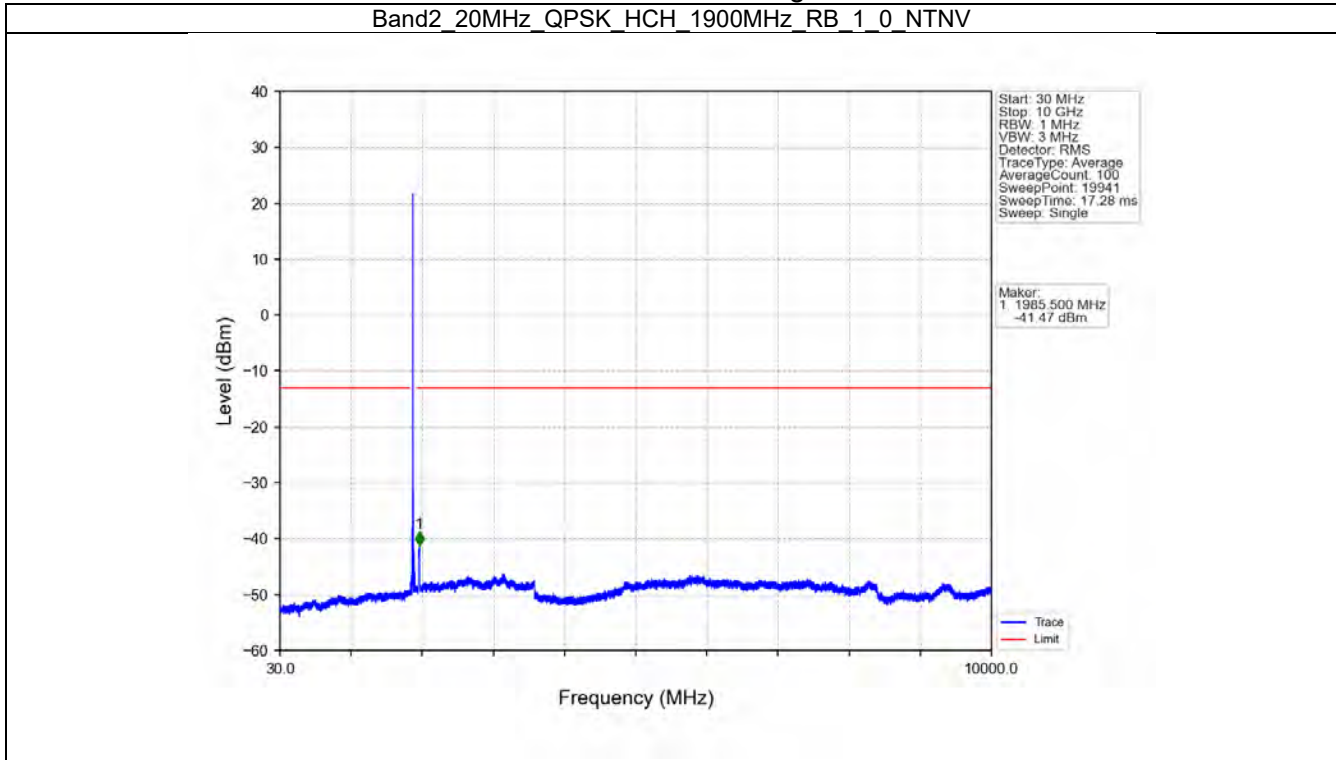
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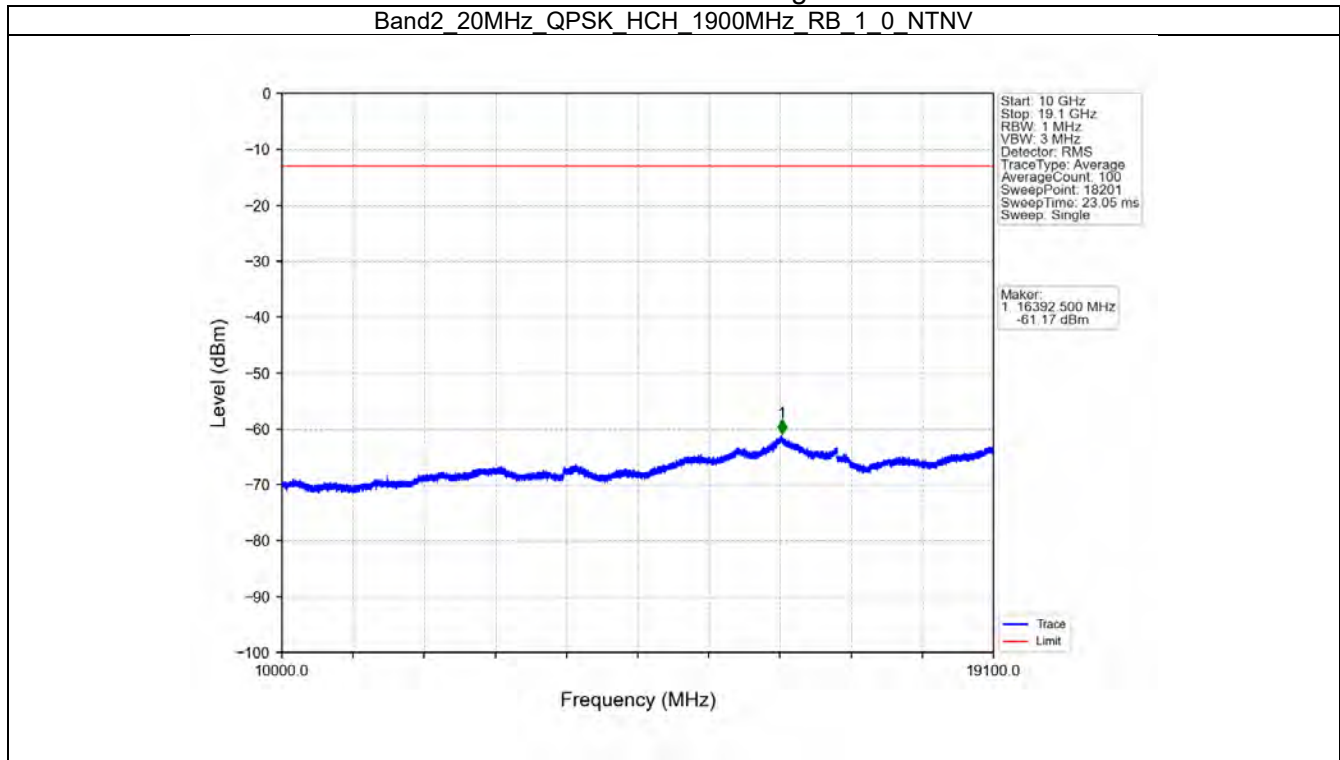
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Band2_20MHz_QPSK_HCH_1900MHz_RB_1_0_NTNV



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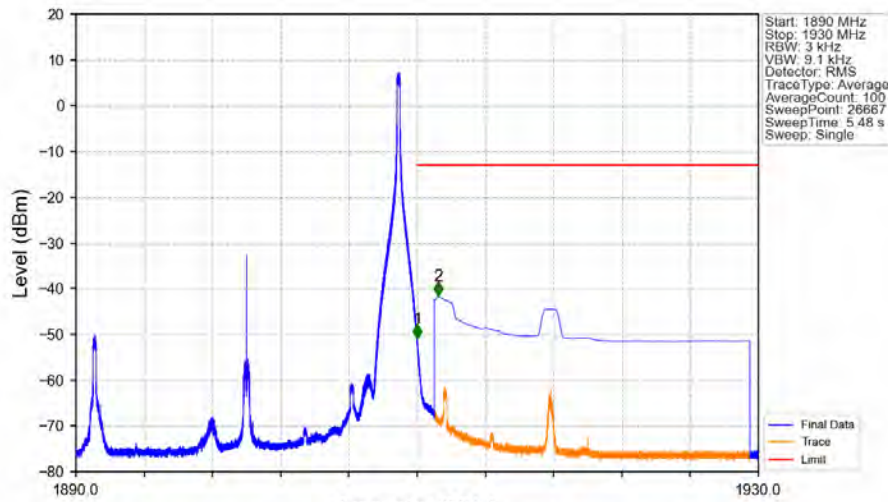
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Band2 20MHz_QPSK_HCH_1900MHz_RB_1_99_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1890	1910	0.003	/	1	1910.005	-50.97	-13	Pass
1910	1911	0.003	/	2	1911.236	-41.60	-13	Pass
1911	1930	1	CHP					



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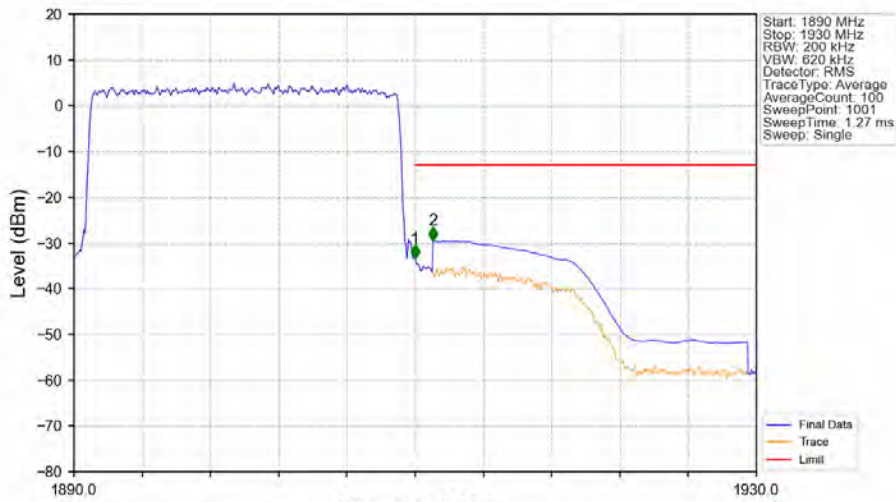
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Band2_20MHz_QPSK_HCH_1900MHz_RB_100_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1890	1910	0.2	/	1	1910.000	-33.47	-13	Pass
1910	1911	0.2	/	1	1910.000	-33.47	-13	Pass
1911	1930	1	CHP	2	1911.040	-29.49	-13	Pass



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6. Field Strength of Spurious Radiation

Test Band = LTE Band 2_ TM1

Test Channel = Low Channel

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3702.18	38.05	-43.01	30.29	-69.93	-13.00	56.93	Horizontal
2	5553.27	36.37	-40.67	33.28	-66.28	-13.00	53.28	Horizontal
3	7404.36	36.14	-37.88	36.49	-60.52	-13.00	47.52	Horizontal
4	9255.45	30.78	-34.28	37.68	-61.08	-13.00	48.08	Horizontal
5	11106.54	29.19	-30.26	38.40	-57.93	-13.00	44.93	Horizontal
6	12957.63	30.53	-29.72	39.55	-54.90	-13.00	41.90	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3702.18	36.55	-43.01	30.29	-71.43	-13.00	58.43	Vertical
2	5553.27	34.86	-40.67	33.28	-67.79	-13.00	54.79	Vertical
3	7404.36	33.96	-37.88	36.49	-62.70	-13.00	49.70	Vertical
4	9255.45	30.93	-34.28	37.68	-60.93	-13.00	47.93	Vertical
5	11106.54	29.34	-30.26	38.40	-57.78	-13.00	44.78	Vertical
6	12957.63	30.42	-29.72	39.55	-55.01	-13.00	42.01	Vertical



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

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3742.18	39.40	-42.96	30.42	-68.40	-13.00	55.40	Horizontal
2	5613.27	35.71	-40.69	33.49	-66.75	-13.00	53.75	Horizontal
3	7484.36	34.18	-37.80	36.58	-62.29	-13.00	49.29	Horizontal
4	9355.45	31.61	-33.93	37.71	-59.88	-13.00	46.88	Horizontal
5	11226.54	29.72	-30.19	38.40	-57.33	-13.00	44.33	Horizontal
6	13097.63	28.79	-29.42	39.67	-56.22	-13.00	43.22	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3742.18	37.00	-42.96	30.42	-70.80	-13.00	57.80	Vertical
2	5613.27	34.98	-40.69	33.49	-67.48	-13.00	54.48	Vertical
3	7484.36	33.47	-37.80	36.58	-63.00	-13.00	50.00	Vertical
4	9355.45	31.32	-33.93	37.71	-60.17	-13.00	47.17	Vertical
5	11226.54	29.03	-30.19	38.40	-58.02	-13.00	45.02	Vertical
6	13097.63	28.80	-29.42	39.67	-56.21	-13.00	43.21	Vertical



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

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3782.18	38.70	-42.92	30.56	-68.92	-13.00	55.92	Horizontal
2	5673.27	35.43	-40.55	33.69	-66.69	-13.00	53.69	Horizontal
3	7564.36	34.06	-37.74	36.66	-62.28	-13.00	49.28	Horizontal
4	9455.45	32.13	-33.82	37.74	-59.22	-13.00	46.22	Horizontal
5	11346.54	29.66	-30.19	38.40	-57.39	-13.00	44.39	Horizontal
6	13237.63	29.25	-29.40	39.77	-55.65	-13.00	42.65	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3782.18	36.76	-42.92	30.56	-70.86	-13.00	57.86	Vertical
2	5673.27	33.83	-40.55	33.69	-68.29	-13.00	55.29	Vertical
3	7564.36	33.75	-37.74	36.66	-62.59	-13.00	49.59	Vertical
4	9455.45	32.31	-33.82	37.74	-59.04	-13.00	46.04	Vertical
5	11346.54	29.16	-30.19	38.40	-57.89	-13.00	44.89	Vertical
6	13237.63	28.93	-29.40	39.77	-55.97	-13.00	42.97	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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