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Appendix B.12

LTE Band 25



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t (86-512) 62992980 sgs.china@sgs.com

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1. Effective (Isotropic) Radiated Power Output Data

1.1.1 Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	EIRP(dBm)	Limit(dBm)	Verdict
Band25	1.4MHz	QPSK	26047	1RB#0	14.53	14.87	33	PASS
Band25	1.4MHz	QPSK	26047	1RB#2	14.55	14.89	33	PASS
Band25	1.4MHz	QPSK	26047	1RB#5	14.46	14.8	33	PASS
Band25	1.4MHz	QPSK	26047	6RB#0	13.51	13.85	33	PASS
Band25	1.4MHz	QPSK	26365	1RB#0	14.87	15.21	33	PASS
Band25	1.4MHz	QPSK	26365	1RB#2	14.68	15.02	33	PASS
Band25	1.4MHz	QPSK	26365	1RB#5	14.69	15.03	33	PASS
Band25	1.4MHz	QPSK	26365	6RB#0	13.86	14.2	33	PASS
Band25	1.4MHz	QPSK	26683	1RB#0	14.58	14.92	33	PASS
Band25	1.4MHz	QPSK	26683	1RB#2	14.8	15.14	33	PASS
Band25	1.4MHz	QPSK	26683	1RB#5	14.83	15.17	33	PASS
Band25	1.4MHz	QPSK	26683	6RB#0	13.56	13.9	33	PASS
Band25	1.4MHz	16QAM	26047	1RB#0	13.6	13.94	33	PASS
Band25	1.4MHz	16QAM	26047	1RB#2	13.7	14.04	33	PASS
Band25	1.4MHz	16QAM	26047	1RB#5	13.78	14.12	33	PASS
Band25	1.4MHz	16QAM	26047	6RB#0	12.48	12.82	33	PASS
Band25	1.4MHz	16QAM	26365	1RB#0	13.73	14.07	33	PASS
Band25	1.4MHz	16QAM	26365	1RB#2	13.8	14.14	33	PASS
Band25	1.4MHz	16QAM	26365	1RB#5	13.75	14.09	33	PASS
Band25	1.4MHz	16QAM	26365	6RB#0	12.5	12.84	33	PASS
Band25	1.4MHz	16QAM	26683	1RB#0	13.86	14.2	33	PASS
Band25	1.4MHz	16QAM	26683	1RB#2	13.81	14.15	33	PASS
Band25	1.4MHz	16QAM	26683	1RB#5	13.76	14.1	33	PASS
Band25	1.4MHz	16QAM	26683	6RB#0	12.6	12.94	33	PASS
Band25	1.4MHz	64QAM	26047	1RB#0	12.75	13.09	33	PASS



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Band25	1.4MHz	64QAM	26047	1RB#2	12.82	13.16	33	PASS
Band25	1.4MHz	64QAM	26047	1RB#5	13.04	13.38	33	PASS
Band25	1.4MHz	64QAM	26047	6RB#0	11.59	11.93	33	PASS
Band25	1.4MHz	64QAM	26365	1RB#0	12.7	13.04	33	PASS
Band25	1.4MHz	64QAM	26365	1RB#2	12.84	13.18	33	PASS
Band25	1.4MHz	64QAM	26365	1RB#5	12.73	13.07	33	PASS
Band25	1.4MHz	64QAM	26365	6RB#0	11.45	11.79	33	PASS
Band25	1.4MHz	64QAM	26683	1RB#0	12.82	13.16	33	PASS
Band25	1.4MHz	64QAM	26683	1RB#2	12.79	13.13	33	PASS
Band25	1.4MHz	64QAM	26683	1RB#5	12.41	12.75	33	PASS
Band25	1.4MHz	64QAM	26683	6RB#0	11.68	12.02	33	PASS
Band25	3MHz	QPSK	26055	1RB#0	14.54	14.88	33	PASS
Band25	3MHz	QPSK	26055	1RB#8	14.61	14.95	33	PASS
Band25	3MHz	QPSK	26055	1RB#14	14.38	14.72	33	PASS
Band25	3MHz	QPSK	26055	15RB#0	13.76	14.1	33	PASS
Band25	3MHz	QPSK	26365	1RB#0	14.85	15.19	33	PASS
Band25	3MHz	QPSK	26365	1RB#8	14.82	15.16	33	PASS
Band25	3MHz	QPSK	26365	1RB#14	14.65	14.99	33	PASS
Band25	3MHz	QPSK	26365	15RB#0	13.56	13.9	33	PASS
Band25	3MHz	QPSK	26675	1RB#0	14.58	14.92	33	PASS
Band25	3MHz	QPSK	26675	1RB#8	14.51	14.85	33	PASS
Band25	3MHz	QPSK	26675	1RB#14	14.69	15.03	33	PASS
Band25	3MHz	QPSK	26675	15RB#0	13.73	14.07	33	PASS
Band25	3MHz	16QAM	26055	1RB#0	13.49	13.83	33	PASS
Band25	3MHz	16QAM	26055	1RB#8	13.46	13.8	33	PASS
Band25	3MHz	16QAM	26055	1RB#14	13.55	13.89	33	PASS
Band25	3MHz	16QAM	26055	15RB#0	12.46	12.8	33	PASS
Band25	3MHz	16QAM	26365	1RB#0	13.71	14.05	33	PASS
Band25	3MHz	16QAM	26365	1RB#8	13.8	14.14	33	PASS



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Band25	3MHz	16QAM	26365	1RB#14	13.83	14.17	33	PASS
Band25	3MHz	16QAM	26365	15RB#0	12.5	12.84	33	PASS
Band25	3MHz	16QAM	26675	1RB#0	13.85	14.19	33	PASS
Band25	3MHz	16QAM	26675	1RB#8	13.89	14.23	33	PASS
Band25	3MHz	16QAM	26675	1RB#14	13.99	14.33	33	PASS
Band25	3MHz	16QAM	26675	15RB#0	12.65	12.99	33	PASS
Band25	3MHz	64QAM	26055	1RB#0	12.74	13.08	33	PASS
Band25	3MHz	64QAM	26055	1RB#8	12.48	12.82	33	PASS
Band25	3MHz	64QAM	26055	1RB#14	12.57	12.91	33	PASS
Band25	3MHz	64QAM	26055	15RB#0	11.75	12.09	33	PASS
Band25	3MHz	64QAM	26365	1RB#0	12.69	13.03	33	PASS
Band25	3MHz	64QAM	26365	1RB#8	12.8	13.14	33	PASS
Band25	3MHz	64QAM	26365	1RB#14	12.85	13.19	33	PASS
Band25	3MHz	64QAM	26365	15RB#0	11.76	12.1	33	PASS
Band25	3MHz	64QAM	26675	1RB#0	12.9	13.24	33	PASS
Band25	3MHz	64QAM	26675	1RB#8	12.79	13.13	33	PASS
Band25	3MHz	64QAM	26675	1RB#14	12.79	13.13	33	PASS
Band25	3MHz	64QAM	26675	15RB#0	11.59	11.93	33	PASS
Band25	5MHz	QPSK	26065	1RB#0	14.58	14.92	33	PASS
Band25	5MHz	QPSK	26065	1RB#12	14.57	14.91	33	PASS
Band25	5MHz	QPSK	26065	1RB#24	14.48	14.82	33	PASS
Band25	5MHz	QPSK	26065	25RB#0	13.5	13.84	33	PASS
Band25	5MHz	QPSK	26365	1RB#0	14.52	14.86	33	PASS
Band25	5MHz	QPSK	26365	1RB#12	14.82	15.16	33	PASS
Band25	5MHz	QPSK	26365	1RB#24	14.8	15.14	33	PASS
Band25	5MHz	QPSK	26365	25RB#0	13.71	14.05	33	PASS
Band25	5MHz	QPSK	26665	1RB#0	14.72	15.06	33	PASS
Band25	5MHz	QPSK	26665	1RB#12	14.79	15.13	33	PASS
Band25	5MHz	QPSK	26665	1RB#24	14.63	14.97	33	PASS



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Band25	5MHz	16QAM	26065	1RB#0	13.65	13.99	33	PASS
Band25	5MHz	16QAM	26065	1RB#12	13.74	14.08	33	PASS
Band25	5MHz	16QAM	26065	1RB#24	13.59	13.93	33	PASS
Band25	5MHz	16QAM	26065	25RB#0	12.32	12.66	33	PASS
Band25	5MHz	16QAM	26365	1RB#0	13.8	14.14	33	PASS
Band25	5MHz	16QAM	26365	1RB#12	13.86	14.2	33	PASS
Band25	5MHz	16QAM	26365	1RB#24	14.01	14.35	33	PASS
Band25	5MHz	16QAM	26365	25RB#0	12.9	13.24	33	PASS
Band25	5MHz	16QAM	26665	1RB#0	14.09	14.43	33	PASS
Band25	5MHz	16QAM	26665	1RB#12	14.03	14.37	33	PASS
Band25	5MHz	16QAM	26665	1RB#24	13.99	14.33	33	PASS
Band25	5MHz	16QAM	26665	25RB#0	12.52	12.86	33	PASS
Band25	5MHz	64QAM	26065	1RB#0	12.78	13.12	33	PASS
Band25	5MHz	64QAM	26065	1RB#12	12.96	13.3	33	PASS
Band25	5MHz	64QAM	26065	1RB#24	12.77	13.11	33	PASS
Band25	5MHz	64QAM	26065	25RB#0	11.53	11.87	33	PASS
Band25	5MHz	64QAM	26365	1RB#0	12.77	13.11	33	PASS
Band25	5MHz	64QAM	26365	1RB#12	12.86	13.2	33	PASS
Band25	5MHz	64QAM	26365	1RB#24	12.97	13.31	33	PASS
Band25	5MHz	64QAM	26365	25RB#0	11.71	12.05	33	PASS
Band25	5MHz	64QAM	26665	1RB#0	13.18	13.52	33	PASS
Band25	5MHz	64QAM	26665	1RB#12	12.94	13.28	33	PASS
Band25	5MHz	64QAM	26665	1RB#24	12.64	12.98	33	PASS
Band25	5MHz	64QAM	26665	25RB#0	11.69	12.03	33	PASS
Band25	10MHz	QPSK	26090	1RB#0	14.65	14.99	33	PASS
Band25	10MHz	QPSK	26090	1RB#24	14.5	14.84	33	PASS
Band25	10MHz	QPSK	26090	1RB#49	14.78	15.12	33	PASS
Band25	10MHz	QPSK	26090	50RB#0	13.62	13.96	33	PASS



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Band25	10MHz	QPSK	26365	1RB#24	14.6	14.94	33	PASS
Band25	10MHz	QPSK	26365	1RB#49	14.58	14.92	33	PASS
Band25	10MHz	QPSK	26365	50RB#0	13.57	13.91	33	PASS
Band25	10MHz	QPSK	26640	1RB#0	14.99	15.33	33	PASS
Band25	10MHz	QPSK	26640	1RB#24	14.63	14.97	33	PASS
Band25	10MHz	QPSK	26640	1RB#49	14.58	14.92	33	PASS
Band25	10MHz	QPSK	26640	50RB#0	13.71	14.05	33	PASS
Band25	10MHz	16QAM	26090	1RB#0	13.4	13.74	33	PASS
Band25	10MHz	16QAM	26090	1RB#24	13.8	14.14	33	PASS
Band25	10MHz	16QAM	26090	1RB#49	13.51	13.85	33	PASS
Band25	10MHz	16QAM	26090	50RB#0	12.41	12.75	33	PASS
Band25	10MHz	16QAM	26365	1RB#0	13.96	14.3	33	PASS
Band25	10MHz	16QAM	26365	1RB#24	13.82	14.16	33	PASS
Band25	10MHz	16QAM	26365	1RB#49	13.91	14.25	33	PASS
Band25	10MHz	16QAM	26365	50RB#0	12.73	13.07	33	PASS
Band25	10MHz	16QAM	26640	1RB#0	13.74	14.08	33	PASS
Band25	10MHz	16QAM	26640	1RB#24	13.85	14.19	33	PASS
Band25	10MHz	16QAM	26640	1RB#49	13.63	13.97	33	PASS
Band25	10MHz	16QAM	26640	50RB#0	12.9	13.24	33	PASS
Band25	10MHz	64QAM	26090	1RB#0	12.43	12.77	33	PASS
Band25	10MHz	64QAM	26090	1RB#24	12.88	13.22	33	PASS
Band25	10MHz	64QAM	26090	1RB#49	12.54	12.88	33	PASS
Band25	10MHz	64QAM	26090	50RB#0	11.38	11.72	33	PASS
Band25	10MHz	64QAM	26365	1RB#0	12.56	12.9	33	PASS
Band25	10MHz	64QAM	26365	1RB#24	13.01	13.35	33	PASS
Band25	10MHz	64QAM	26365	1RB#49	12.83	13.17	33	PASS
Band25	10MHz	64QAM	26365	50RB#0	11.69	12.03	33	PASS
Band25	10MHz	64QAM	26640	1RB#0	12.74	13.08	33	PASS



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Band25	10MHz	64QAM	26640	1RB#49	13.12	13.46	33	PASS
Band25	10MHz	64QAM	26640	50RB#0	12.02	12.36	33	PASS
Band25	15MHz	QPSK	26115	1RB#0	14.57	14.91	33	PASS
Band25	15MHz	QPSK	26115	1RB#38	14.32	14.66	33	PASS
Band25	15MHz	QPSK	26115	1RB#74	14.77	15.11	33	PASS
Band25	15MHz	QPSK	26115	75RB#0	13.33	13.67	33	PASS
Band25	15MHz	QPSK	26365	1RB#0	14.99	15.33	33	PASS
Band25	15MHz	QPSK	26365	1RB#38	14.59	14.93	33	PASS
Band25	15MHz	QPSK	26365	1RB#74	14.86	15.2	33	PASS
Band25	15MHz	QPSK	26365	75RB#0	13.79	14.13	33	PASS
Band25	15MHz	QPSK	26615	1RB#0	14.45	14.79	33	PASS
Band25	15MHz	QPSK	26615	1RB#38	14.46	14.8	33	PASS
Band25	15MHz	QPSK	26615	1RB#74	14.73	15.07	33	PASS
Band25	15MHz	QPSK	26615	75RB#0	13.88	14.22	33	PASS
Band25	15MHz	16QAM	26115	1RB#0	13.53	13.87	33	PASS
Band25	15MHz	16QAM	26115	1RB#38	13.6	13.94	33	PASS
Band25	15MHz	16QAM	26115	1RB#74	13.61	13.95	33	PASS
Band25	15MHz	16QAM	26115	75RB#0	12.33	12.67	33	PASS
Band25	15MHz	16QAM	26365	1RB#0	13.86	14.2	33	PASS
Band25	15MHz	16QAM	26365	1RB#38	13.72	14.06	33	PASS
Band25	15MHz	16QAM	26365	1RB#74	13.95	14.29	33	PASS
Band25	15MHz	16QAM	26365	75RB#0	12.68	13.02	33	PASS
Band25	15MHz	16QAM	26615	1RB#0	13.67	14.01	33	PASS
Band25	15MHz	16QAM	26615	1RB#38	13.58	13.92	33	PASS
Band25	15MHz	16QAM	26615	1RB#74	13.89	14.23	33	PASS
Band25	15MHz	16QAM	26615	75RB#0	12.93	13.27	33	PASS
Band25	15MHz	64QAM	26115	1RB#0	12.81	13.15	33	PASS
Band25	15MHz	64QAM	26115	1RB#38	12.72	13.06	33	PASS



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t (86-512) 62992980 sgs.china@sgs.com

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Band25	15MHz	64QAM	26115	1RB#74	12.73	13.07	33	PASS
Band25	15MHz	64QAM	26115	75RB#0	11.5	11.84	33	PASS
Band25	15MHz	64QAM	26365	1RB#0	12.75	13.09	33	PASS
Band25	15MHz	64QAM	26365	1RB#38	12.68	13.02	33	PASS
Band25	15MHz	64QAM	26365	1RB#74	12.9	13.24	33	PASS
Band25	15MHz	64QAM	26365	75RB#0	11.64	11.98	33	PASS
Band25	15MHz	64QAM	26615	1RB#0	12.83	13.17	33	PASS
Band25	15MHz	64QAM	26615	1RB#38	12.91	13.25	33	PASS
Band25	15MHz	64QAM	26615	1RB#74	12.97	13.31	33	PASS
Band25	15MHz	64QAM	26615	75RB#0	11.61	11.95	33	PASS
Band25	20MHz	QPSK	26140	1RB#0	14.52	14.86	33	PASS
Band25	20MHz	QPSK	26140	1RB#49	14.42	14.76	33	PASS
Band25	20MHz	QPSK	26140	1RB#99	14.68	15.02	33	PASS
Band25	20MHz	QPSK	26140	100RB#0	13.92	14.26	33	PASS
Band25	20MHz	QPSK	26365	1RB#0	14.83	15.17	33	PASS
Band25	20MHz	QPSK	26365	1RB#49	14.62	14.96	33	PASS
Band25	20MHz	QPSK	26365	1RB#99	14.82	15.16	33	PASS
Band25	20MHz	QPSK	26365	100RB#0	13.72	14.06	33	PASS
Band25	20MHz	QPSK	26590	1RB#0	14.52	14.86	33	PASS
Band25	20MHz	QPSK	26590	1RB#49	14.61	14.95	33	PASS
Band25	20MHz	QPSK	26590	1RB#99	14.46	14.8	33	PASS
Band25	20MHz	QPSK	26590	100RB#0	13.81	14.15	33	PASS
Band25	20MHz	16QAM	26140	1RB#0	13.77	14.11	33	PASS
Band25	20MHz	16QAM	26140	1RB#49	13.67	14.01	33	PASS
Band25	20MHz	16QAM	26140	1RB#99	13.76	14.1	33	PASS
Band25	20MHz	16QAM	26140	100RB#0	12.62	12.96	33	PASS
Band25	20MHz	16QAM	26365	1RB#0	13.76	14.1	33	PASS
Band25	20MHz	16QAM	26365	1RB#49	13.98	14.32	33	PASS
Band25	20MHz	16QAM	26365	1RB#99	13.94	14.28	33	PASS



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Band25	20MHz	16QAM	26365	100RB#0	12.66	13	33	PASS
Band25	20MHz	16QAM	26590	1RB#0	13.61	13.95	33	PASS
Band25	20MHz	16QAM	26590	1RB#49	13.74	14.08	33	PASS
Band25	20MHz	16QAM	26590	1RB#99	13.62	13.96	33	PASS
Band25	20MHz	16QAM	26590	100RB#0	12.75	13.09	33	PASS
Band25	20MHz	64QAM	26140	1RB#0	12.54	12.88	33	PASS
Band25	20MHz	64QAM	26140	1RB#49	12.76	13.1	33	PASS
Band25	20MHz	64QAM	26140	1RB#99	12.92	13.26	33	PASS
Band25	20MHz	64QAM	26140	100RB#0	11.66	12	33	PASS
Band25	20MHz	64QAM	26365	1RB#0	12.51	12.85	33	PASS
Band25	20MHz	64QAM	26365	1RB#49	12.62	12.96	33	PASS
Band25	20MHz	64QAM	26365	1RB#99	12.81	13.15	33	PASS
Band25	20MHz	64QAM	26365	100RB#0	11.6	11.94	33	PASS
Band25	20MHz	64QAM	26590	1RB#0	12.84	13.18	33	PASS
Band25	20MHz	64QAM	26590	1RB#49	12.91	13.25	33	PASS
Band25	20MHz	64QAM	26590	1RB#99	12.83	13.17	33	PASS
Band25	20MHz	64QAM	26590	100RB#0	11.75	12.09	33	PASS



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2. Frequency Stability

2.1 B25_1.4MHz

2.1.1 Test Result

Band: 25 / Bandwidth: 1.4MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1850.7	6	0	20	3.5	0.923	0.0005	/	Pass
					3.87	4.693	0.0025	/	Pass
					4.45	2.527	0.0014	/	Pass
				-30	3.87	2.169	0.0012	/	Pass
					3.87	2.932	0.0016	/	Pass
					3.87	1.923	0.0010	/	Pass
				0	3.87	0.326	0.0002	/	Pass
					3.87	-0.894	-0.0005	/	Pass
					3.87	-0.999	-0.0005	/	Pass
				40	3.87	1.768	0.0010	/	Pass
					3.87	2.015	0.0011	/	Pass
					3.87	2.015	0.0011	/	Pass
	1882.5	6	0	20	3.5	0.421	0.0002	/	Pass
					3.87	-0.788	-0.0004	/	Pass
					4.45	2.978	0.0016	/	Pass
				-30	3.87	2.474	0.0013	/	Pass
					3.87	5.347	0.0028	/	Pass
					3.87	4.040	0.0021	/	Pass
				0	3.87	3.998	0.0021	/	Pass
					3.87	5.735	0.0030	/	Pass
					3.87	4.558	0.0024	/	Pass
				40	3.87	0.893	0.0005	/	Pass
					3.87	-1.733	-0.0009	/	Pass
					3.87	-1.733	-0.0009	/	Pass
	1914.3	6	0	20	3.5	-5.095	-0.0027	/	Pass
					3.87	-12.482	-0.0065	/	Pass
					4.45	2.471	0.0013	/	Pass
				-30	3.87	3.331	0.0017	/	Pass
					3.87	-1.858	-0.0010	/	Pass
					3.87	-3.296	-0.0017	/	Pass
				0	3.87	-6.302	-0.0033	/	Pass
					3.87	-1.816	-0.0009	/	Pass
					3.87	0.685	0.0004	/	Pass
				40	3.87	0.379	0.0002	/	Pass
					3.87	0.834	0.0004	/	Pass
					3.87	0.834	0.0004	/	Pass
16QAM	1850.7	6	0	20	3.5	1.581	0.0009	/	Pass
					3.87	0.334	0.0002	/	Pass
					4.45	0.352	0.0002	/	Pass
				-30	3.87	4.080	0.0022	/	Pass
					3.87	3.638	0.0020	/	Pass
					3.87	2.221	0.0012	/	Pass



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64QAM	1882.5	6	0	0	3.87	-3.438	-0.0019	/	Pass
				10	3.87	-0.219	-0.0001	/	Pass
				30	3.87	6.325	0.0034	/	Pass
				40	3.87	-0.175	-0.0001	/	Pass
				50	3.87	-1.709	-0.0009	/	Pass
				20	3.5	3.939	0.0021	/	Pass
					3.87	-2.404	-0.0013	/	Pass
				20	4.45	4.834	0.0026	/	Pass
					3.87	-2.298	-0.0012	/	Pass
				-30	3.87	-2.298	-0.0012	/	Pass
				-20	3.87	3.001	0.0016	/	Pass
				-10	3.87	-0.017	0.0000	/	Pass
				0	3.87	2.031	0.0011	/	Pass
				10	3.87	-2.024	-0.0011	/	Pass
				30	3.87	-1.674	-0.0009	/	Pass
				40	3.87	1.456	0.0008	/	Pass
				50	3.87	3.908	0.0021	/	Pass
	1914.3	6	0	20	3.5	3.784	0.0020	/	Pass
					3.87	2.256	0.0012	/	Pass
				20	4.45	6.165	0.0032	/	Pass
					3.87	5.785	0.0030	/	Pass
				-30	3.87	5.785	0.0030	/	Pass
				-20	3.87	4.979	0.0026	/	Pass
				-10	3.87	1.552	0.0008	/	Pass
				0	3.87	1.347	0.0007	/	Pass
				10	3.87	-1.224	-0.0006	/	Pass
				30	3.87	1.233	0.0006	/	Pass
				40	3.87	-1.325	-0.0007	/	Pass
				50	3.87	-2.580	-0.0013	/	Pass
	1850.7	6	0	20	3.5	1.350	0.0007	/	Pass
					3.87	-0.463	-0.0003	/	Pass
				20	4.45	0.387	0.0002	/	Pass
					3.87	1.001	0.0005	/	Pass
				-30	3.87	1.001	0.0005	/	Pass
				-20	3.87	0.847	0.0005	/	Pass
				-10	3.87	-4.076	-0.0022	/	Pass
				0	3.87	-2.945	-0.0016	/	Pass
				10	3.87	-0.136	-0.0001	/	Pass
				30	3.87	-0.081	0.0000	/	Pass
				40	3.87	1.982	0.0011	/	Pass
				50	3.87	-3.778	-0.0020	/	Pass
	1882.5	6	0	20	3.5	4.249	0.0023	/	Pass
					3.87	7.166	0.0038	/	Pass
				20	4.45	2.381	0.0013	/	Pass
					3.87	0.355	0.0002	/	Pass
				-30	3.87	0.355	0.0002	/	Pass
				-20	3.87	-0.809	-0.0004	/	Pass
				-10	3.87	6.318	0.0034	/	Pass
				0	3.87	0.563	0.0003	/	Pass
				10	3.87	-0.304	-0.0002	/	Pass
				30	3.87	1.207	0.0006	/	Pass
				40	3.87	6.396	0.0034	/	Pass
				50	3.87	4.694	0.0025	/	Pass



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1914.3	6	0	20	3.5	-2.307	-0.0012	/	Pass
				3.87	-0.891	-0.0005	/	Pass
				4.45	-5.814	-0.0030	/	Pass
			-30	3.87	-2.411	-0.0013	/	Pass
			-20	3.87	-0.049	0.0000	/	Pass
			-10	3.87	0.648	0.0003	/	Pass
			0	3.87	-0.828	-0.0004	/	Pass
			10	3.87	-0.274	-0.0001	/	Pass
			30	3.87	-0.075	0.0000	/	Pass
			40	3.87	1.488	0.0008	/	Pass
			50	3.87	-5.443	-0.0028	/	Pass



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2.2 B25_3MHz

2.2.1 Test Result

Band: 25 / Bandwidth: 3MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1851.5	15	0	20	3.5	7.588	0.0041	/	Pass
					3.87	4.803	0.0026	/	Pass
					4.45	10.399	0.0056	/	Pass
				-30	3.87	8.670	0.0047	/	Pass
				-20	3.87	5.106	0.0028	/	Pass
				-10	3.87	6.477	0.0035	/	Pass
				0	3.87	5.102	0.0028	/	Pass
				10	3.87	8.880	0.0048	/	Pass
				30	3.87	8.065	0.0044	/	Pass
				40	3.87	8.761	0.0047	/	Pass
				50	3.87	1.330	0.0007	/	Pass
	1882.5	15	0	20	3.5	-2.485	-0.0013	/	Pass
					3.87	-0.761	-0.0004	/	Pass
					4.45	-1.188	-0.0006	/	Pass
				-30	3.87	0.620	0.0003	/	Pass
				-20	3.87	-0.721	-0.0004	/	Pass
				-10	3.87	1.164	0.0006	/	Pass
				0	3.87	0.813	0.0004	/	Pass
				10	3.87	-4.091	-0.0022	/	Pass
				30	3.87	-0.914	-0.0005	/	Pass
				40	3.87	-1.242	-0.0007	/	Pass
				50	3.87	-2.624	-0.0014	/	Pass
	1913.5	15	0	20	3.5	-6.091	-0.0032	/	Pass
					3.87	-3.801	-0.0020	/	Pass
					4.45	-2.457	-0.0013	/	Pass
				-30	3.87	-0.234	-0.0001	/	Pass
				-20	3.87	-1.149	-0.0006	/	Pass
				-10	3.87	-1.223	-0.0006	/	Pass
				0	3.87	-6.233	-0.0033	/	Pass
				10	3.87	-1.476	-0.0008	/	Pass
				30	3.87	-8.593	-0.0045	/	Pass
				40	3.87	4.535	0.0024	/	Pass
				50	3.87	4.614	0.0024	/	Pass
16QAM	1851.5	15	0	20	3.5	2.803	0.0015	/	Pass
					3.87	8.649	0.0047	/	Pass
					4.45	2.530	0.0014	/	Pass
				-30	3.87	4.213	0.0023	/	Pass
				-20	3.87	6.962	0.0038	/	Pass
				-10	3.87	5.016	0.0027	/	Pass
				0	3.87	8.628	0.0047	/	Pass
				10	3.87	6.496	0.0035	/	Pass



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t (86-512) 62992980 sgs.china@sgs.com

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				30	3.87	8.757	0.0047	/	Pass
				40	3.87	9.826	0.0053	/	Pass
				50	3.87	-10.493	-0.0057	/	Pass
1882.5	15	0	20	3.5	1.264	0.0007	/	/	Pass
				3.87	0.964	0.0005	/	/	Pass
				4.45	-0.593	-0.0003	/	/	Pass
			-30	3.87	-5.441	-0.0029	/	/	Pass
			-20	3.87	1.844	0.0010	/	/	Pass
			-10	3.87	0.292	0.0002	/	/	Pass
			0	3.87	-2.028	-0.0011	/	/	Pass
			10	3.87	-2.375	-0.0013	/	/	Pass
			30	3.87	-3.609	-0.0019	/	/	Pass
			40	3.87	-2.191	-0.0012	/	/	Pass
			50	3.87	-3.653	-0.0019	/	/	Pass
1913.5	15	0	20	3.5	1.924	0.0010	/	/	Pass
				3.87	5.702	0.0030	/	/	Pass
				4.45	10.358	0.0054	/	/	Pass
			-30	3.87	3.637	0.0019	/	/	Pass
			-20	3.87	3.272	0.0017	/	/	Pass
			-10	3.87	-2.266	-0.0012	/	/	Pass
			0	3.87	0.315	0.0002	/	/	Pass
			10	3.87	-2.765	-0.0014	/	/	Pass
			30	3.87	0.521	0.0003	/	/	Pass
			40	3.87	2.379	0.0012	/	/	Pass
			50	3.87	1.123	0.0006	/	/	Pass
64QAM	1851.5	15	20	3.5	14.675	0.0079	/	/	Pass
				3.87	8.344	0.0045	/	/	Pass
				4.45	12.644	0.0068	/	/	Pass
			-30	3.87	4.579	0.0025	/	/	Pass
			-20	3.87	4.944	0.0027	/	/	Pass
			-10	3.87	3.585	0.0019	/	/	Pass
			0	3.87	4.509	0.0024	/	/	Pass
			10	3.87	6.026	0.0033	/	/	Pass
			30	3.87	3.428	0.0019	/	/	Pass
			40	3.87	-0.520	-0.0003	/	/	Pass
			50	3.87	2.458	0.0013	/	/	Pass
	1882.5	15	20	3.5	-1.470	-0.0008	/	/	Pass
				3.87	-2.023	-0.0011	/	/	Pass
				4.45	0.469	0.0002	/	/	Pass
			-30	3.87	-3.150	-0.0017	/	/	Pass
			-20	3.87	-1.725	-0.0009	/	/	Pass
			-10	3.87	4.731	0.0025	/	/	Pass
			0	3.87	-5.101	-0.0027	/	/	Pass
			10	3.87	-2.432	-0.0013	/	/	Pass
			30	3.87	-0.059	0.0000	/	/	Pass
			40	3.87	1.911	0.0010	/	/	Pass
			50	3.87	-2.216	-0.0012	/	/	Pass
	1913.5	15	0	20	3.5	-1.135	-0.0006	/	Pass
				3.87	-1.773	-0.0009	/	/	Pass



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t (86-512) 62992980 sgs.china@sgs.com

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					4.45	-1.363	-0.0007	/	Pass
				-30	3.87	-1.357	-0.0007	/	Pass
				-20	3.87	3.176	0.0017	/	Pass
				-10	3.87	0.116	0.0001	/	Pass
				0	3.87	-3.157	-0.0016	/	Pass
				10	3.87	0.394	0.0002	/	Pass
				30	3.87	4.258	0.0022	/	Pass
				40	3.87	-2.248	-0.0012	/	Pass
				50	3.87	-0.768	-0.0004	/	Pass



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2.3 B25_5MHz

2.3.1 Test Result

Band: 25 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1852.5	25	0	20	3.5	5.255	0.0028	/	Pass
					3.87	0.143	0.0001	/	Pass
					4.45	7.806	0.0042	/	Pass
				-30	3.87	1.860	0.0010	/	Pass
				-20	3.87	0.963	0.0005	/	Pass
				-10	3.87	-0.460	-0.0002	/	Pass
				0	3.87	4.658	0.0025	/	Pass
				10	3.87	0.953	0.0005	/	Pass
				30	3.87	5.869	0.0032	/	Pass
				40	3.87	0.903	0.0005	/	Pass
				50	3.87	2.420	0.0013	/	Pass
	1882.5	25	0	20	3.5	1.313	0.0007	/	Pass
					3.87	7.168	0.0038	/	Pass
					4.45	2.588	0.0014	/	Pass
				-30	3.87	4.134	0.0022	/	Pass
				-20	3.87	0.315	0.0002	/	Pass
				-10	3.87	4.404	0.0023	/	Pass
				0	3.87	5.312	0.0028	/	Pass
				10	3.87	4.362	0.0023	/	Pass
				30	3.87	2.813	0.0015	/	Pass
				40	3.87	4.374	0.0023	/	Pass
				50	3.87	4.227	0.0022	/	Pass
	1912.5	25	0	20	3.5	-2.170	-0.0011	/	Pass
					3.87	1.088	0.0006	/	Pass
					4.45	1.525	0.0008	/	Pass
				-30	3.87	1.102	0.0006	/	Pass
				-20	3.87	-3.264	-0.0017	/	Pass
				-10	3.87	-2.167	-0.0011	/	Pass
				0	3.87	-3.024	-0.0016	/	Pass
				10	3.87	6.647	0.0035	/	Pass
				30	3.87	-0.094	0.0000	/	Pass
				40	3.87	1.529	0.0008	/	Pass
				50	3.87	4.311	0.0023	/	Pass
16QAM	1852.5	25	0	20	3.5	6.670	0.0036	/	Pass
					3.87	4.198	0.0023	/	Pass
					4.45	-1.046	-0.0006	/	Pass
				-30	3.87	3.806	0.0021	/	Pass
				-20	3.87	3.221	0.0017	/	Pass
				-10	3.87	4.567	0.0025	/	Pass
				0	3.87	-2.115	-0.0011	/	Pass
				10	3.87	6.862	0.0037	/	Pass



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t (86-512) 62992980 www.sgs.com.cn
t (86-512) 62992980 sgs.china@sgs.com

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64QAM	1882.5	25	0	30	3.87	1.421	0.0008	/	Pass
				40	3.87	3.896	0.0021	/	Pass
				50	3.87	5.799	0.0031	/	Pass
				20	3.5	4.162	0.0022	/	Pass
					3.87	4.171	0.0022	/	Pass
					4.45	-0.033	0.0000	/	Pass
				-30	3.87	4.638	0.0025	/	Pass
				-20	3.87	0.673	0.0004	/	Pass
				-10	3.87	3.297	0.0018	/	Pass
				0	3.87	1.776	0.0009	/	Pass
				10	3.87	0.595	0.0003	/	Pass
				30	3.87	5.098	0.0027	/	Pass
				40	3.87	5.626	0.0030	/	Pass
				50	3.87	4.088	0.0022	/	Pass
	1912.5	25	0	20	3.5	-1.895	-0.0010	/	Pass
					3.87	2.583	0.0014	/	Pass
					4.45	4.862	0.0025	/	Pass
				-30	3.87	3.428	0.0018	/	Pass
				-20	3.87	8.818	0.0046	/	Pass
				-10	3.87	7.186	0.0038	/	Pass
				0	3.87	1.769	0.0009	/	Pass
				10	3.87	2.444	0.0013	/	Pass
				30	3.87	2.145	0.0011	/	Pass
				40	3.87	3.705	0.0019	/	Pass
				50	3.87	-0.213	-0.0001	/	Pass
	1852.5	25	0	20	3.5	4.188	0.0023	/	Pass
					3.87	3.814	0.0021	/	Pass
					4.45	-0.476	-0.0003	/	Pass
				-30	3.87	-3.380	-0.0018	/	Pass
				-20	3.87	5.974	0.0032	/	Pass
				-10	3.87	3.121	0.0017	/	Pass
				0	3.87	-7.916	-0.0043	/	Pass
				10	3.87	11.613	0.0063	/	Pass
				30	3.87	2.950	0.0016	/	Pass
				40	3.87	5.678	0.0031	/	Pass
				50	3.87	2.570	0.0014	/	Pass
	1882.5	25	0	20	3.5	4.790	0.0025	/	Pass
					3.87	6.788	0.0036	/	Pass
					4.45	2.225	0.0012	/	Pass
				-30	3.87	3.310	0.0018	/	Pass
				-20	3.87	5.890	0.0031	/	Pass
				-10	3.87	1.757	0.0009	/	Pass
				0	3.87	7.753	0.0041	/	Pass
				10	3.87	1.193	0.0006	/	Pass
				30	3.87	6.247	0.0033	/	Pass
				40	3.87	6.620	0.0035	/	Pass
				50	3.87	-0.872	-0.0005	/	Pass
	1912.5	25	0	20	3.5	3.834	0.0020	/	Pass
					3.87	3.167	0.0017	/	Pass



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					4.45	2.328	0.0012	/	Pass
				-30	3.87	3.576	0.0019	/	Pass
				-20	3.87	1.430	0.0007	/	Pass
				-10	3.87	2.783	0.0015	/	Pass
				0	3.87	3.545	0.0019	/	Pass
				10	3.87	1.695	0.0009	/	Pass
				30	3.87	-0.780	-0.0004	/	Pass
				40	3.87	4.134	0.0022	/	Pass
				50	3.87	-1.318	-0.0007	/	Pass



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2.4 B25_10MHz

2.4.1 Test Result

Band: 25 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1855	50	0	20	3.5	-0.015	0.0000	/	Pass
					3.87	-1.228	-0.0007	/	Pass
					4.45	0.262	0.0001	/	Pass
				-30	3.87	0.546	0.0003	/	Pass
				-20	3.87	3.623	0.0020	/	Pass
				-10	3.87	5.467	0.0029	/	Pass
				0	3.87	2.055	0.0011	/	Pass
				10	3.87	-0.408	-0.0002	/	Pass
				30	3.87	-3.358	-0.0018	/	Pass
				40	3.87	-2.605	-0.0014	/	Pass
				50	3.87	0.470	0.0003	/	Pass
	1882.5	50	0	20	3.5	-3.785	-0.0020	/	Pass
					3.87	-1.947	-0.0010	/	Pass
					4.45	-2.881	-0.0015	/	Pass
				-30	3.87	1.637	0.0009	/	Pass
				-20	3.87	-3.947	-0.0021	/	Pass
				-10	3.87	-2.651	-0.0014	/	Pass
				0	3.87	-0.261	-0.0001	/	Pass
				10	3.87	1.328	0.0007	/	Pass
				30	3.87	-2.922	-0.0016	/	Pass
				40	3.87	-4.268	-0.0023	/	Pass
				50	3.87	-4.207	-0.0022	/	Pass
	1910	50	0	20	3.5	3.334	0.0017	/	Pass
					3.87	4.281	0.0022	/	Pass
					4.45	4.615	0.0024	/	Pass
				-30	3.87	7.031	0.0037	/	Pass
				-20	3.87	4.224	0.0022	/	Pass
				-10	3.87	4.841	0.0025	/	Pass
				0	3.87	5.163	0.0027	/	Pass
				10	3.87	7.461	0.0039	/	Pass
				30	3.87	2.096	0.0011	/	Pass
				40	3.87	-1.790	-0.0009	/	Pass
				50	3.87	1.006	0.0005	/	Pass
16QAM	1855	50	0	20	3.5	2.930	0.0016	/	Pass
					3.87	-2.832	-0.0015	/	Pass
					4.45	2.093	0.0011	/	Pass
				-30	3.87	0.708	0.0004	/	Pass
				-20	3.87	4.749	0.0026	/	Pass
				-10	3.87	1.600	0.0009	/	Pass
				0	3.87	3.647	0.0020	/	Pass
				10	3.87	-2.396	-0.0013	/	Pass



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64QAM	1882.5	50	0	30	3.87	0.893	0.0005	/	Pass
				40	3.87	5.070	0.0027	/	Pass
				50	3.87	-1.286	-0.0007	/	Pass
				20	3.5	-5.857	-0.0031	/	Pass
					3.87	-1.998	-0.0011	/	Pass
					4.45	-1.472	-0.0008	/	Pass
				-30	3.87	-0.996	-0.0005	/	Pass
				-20	3.87	-1.418	-0.0008	/	Pass
				-10	3.87	0.314	0.0002	/	Pass
				0	3.87	0.647	0.0003	/	Pass
				10	3.87	-0.054	0.0000	/	Pass
				30	3.87	-5.527	-0.0029	/	Pass
				40	3.87	-0.735	-0.0004	/	Pass
				50	3.87	-1.084	-0.0006	/	Pass
	1910	50	0	20	3.5	1.747	0.0009	/	Pass
					3.87	1.646	0.0009	/	Pass
					4.45	-1.641	-0.0009	/	Pass
				-30	3.87	-4.597	-0.0024	/	Pass
				-20	3.87	0.334	0.0002	/	Pass
				-10	3.87	-0.160	-0.0001	/	Pass
				0	3.87	1.676	0.0009	/	Pass
				10	3.87	4.251	0.0022	/	Pass
				30	3.87	-3.354	-0.0018	/	Pass
				40	3.87	-2.228	-0.0012	/	Pass
				50	3.87	-0.757	-0.0004	/	Pass
	1855	50	0	20	3.5	1.799	0.0010	/	Pass
					3.87	-2.557	-0.0014	/	Pass
					4.45	1.966	0.0011	/	Pass
				-30	3.87	3.772	0.0020	/	Pass
				-20	3.87	0.070	0.0000	/	Pass
				-10	3.87	-3.172	-0.0017	/	Pass
				0	3.87	-4.876	-0.0026	/	Pass
				10	3.87	-0.694	-0.0004	/	Pass
				30	3.87	0.488	0.0003	/	Pass
				40	3.87	-0.786	-0.0004	/	Pass
				50	3.87	-1.512	-0.0008	/	Pass
	1882.5	50	0	20	3.5	-0.806	-0.0004	/	Pass
					3.87	-3.404	-0.0018	/	Pass
					4.45	-0.862	-0.0005	/	Pass
				-30	3.87	-1.694	-0.0009	/	Pass
				-20	3.87	-3.792	-0.0020	/	Pass
				-10	3.87	-5.063	-0.0027	/	Pass
				0	3.87	0.239	0.0001	/	Pass
				10	3.87	1.257	0.0007	/	Pass
				30	3.87	-4.457	-0.0024	/	Pass
				40	3.87	-0.473	-0.0003	/	Pass
				50	3.87	0.142	0.0001	/	Pass
	1910	50	0	20	3.5	-2.181	-0.0011	/	Pass
					3.87	19.364	0.0101	/	Pass



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					4.45	7.114	0.0037	/	Pass
				-30	3.87	0.445	0.0002	/	Pass
				-20	3.87	-1.954	-0.0010	/	Pass
				-10	3.87	3.708	0.0019	/	Pass
				0	3.87	1.038	0.0005	/	Pass
				10	3.87	-1.596	-0.0008	/	Pass
				30	3.87	-3.573	-0.0019	/	Pass
				40	3.87	2.567	0.0013	/	Pass
				50	3.87	1.045	0.0005	/	Pass



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2.5 B25_15MHz

2.5.1 Test Result

Band: 25 / Bandwidth: 15MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1857.5	75	0	20	3.5	3.390	0.0018	/	Pass
					3.87	6.831	0.0037	/	Pass
					4.45	-0.793	-0.0004	/	Pass
				-30	3.87	4.097	0.0022	/	Pass
				-20	3.87	3.284	0.0018	/	Pass
				-10	3.87	0.809	0.0004	/	Pass
				0	3.87	2.772	0.0015	/	Pass
				10	3.87	2.650	0.0014	/	Pass
				30	3.87	4.263	0.0023	/	Pass
				40	3.87	-0.919	-0.0005	/	Pass
				50	3.87	1.338	0.0007	/	Pass
	1882.5	75	0	20	3.5	-5.706	-0.0030	/	Pass
					3.87	-2.090	-0.0011	/	Pass
					4.45	-2.346	-0.0012	/	Pass
				-30	3.87	0.959	0.0005	/	Pass
				-20	3.87	-2.185	-0.0012	/	Pass
				-10	3.87	1.517	0.0008	/	Pass
				0	3.87	1.845	0.0010	/	Pass
				10	3.87	-1.842	-0.0010	/	Pass
				30	3.87	3.536	0.0019	/	Pass
				40	3.87	-3.756	-0.0020	/	Pass
				50	3.87	-4.620	-0.0025	/	Pass
	1907.5	75	0	20	3.5	0.806	0.0004	/	Pass
					3.87	-1.579	-0.0008	/	Pass
					4.45	-1.605	-0.0008	/	Pass
				-30	3.87	-3.443	-0.0018	/	Pass
				-20	3.87	-2.697	-0.0014	/	Pass
				-10	3.87	-0.479	-0.0003	/	Pass
				0	3.87	0.203	0.0001	/	Pass
				10	3.87	-2.678	-0.0014	/	Pass
				30	3.87	-3.357	-0.0018	/	Pass
				40	3.87	-2.426	-0.0013	/	Pass
				50	3.87	0.614	0.0003	/	Pass
16QAM	1857.5	75	0	20	3.5	-0.722	-0.0004	/	Pass
					3.87	2.590	0.0014	/	Pass
					4.45	1.412	0.0008	/	Pass
				-30	3.87	4.394	0.0024	/	Pass
				-20	3.87	5.392	0.0029	/	Pass
				-10	3.87	3.752	0.0020	/	Pass
				0	3.87	5.732	0.0031	/	Pass
				10	3.87	4.005	0.0022	/	Pass



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				30	3.87	2.307	0.0012	/	Pass
				40	3.87	-1.411	-0.0008	/	Pass
				50	3.87	0.917	0.0005	/	Pass
1882.5	75	0	20	3.5	-1.079	-0.0006	/	/	Pass
				3.87	0.056	0.0000	/	/	Pass
				4.45	-2.770	-0.0015	/	/	Pass
			-30	3.87	-1.250	-0.0007	/	/	Pass
				-20	3.87	3.732	0.0020	/	Pass
				-10	3.87	-3.938	-0.0021	/	Pass
			0	3.87	-0.912	-0.0005	/	/	Pass
				10	3.87	-2.942	-0.0016	/	Pass
				30	3.87	0.752	0.0004	/	Pass
			40	3.87	-2.320	-0.0012	/	/	Pass
				50	3.87	-4.809	-0.0026	/	Pass
				3.5	-3.586	-0.0019	/	/	Pass
1907.5	75	0	20	3.87	1.191	0.0006	/	/	Pass
				4.45	-0.358	-0.0002	/	/	Pass
				-30	3.87	3.307	0.0017	/	Pass
			-20	3.87	-2.648	-0.0014	/	/	Pass
				-10	3.87	5.883	0.0031	/	Pass
				0	3.87	1.827	0.0010	/	Pass
			10	3.87	4.092	0.0021	/	/	Pass
				30	3.87	-0.312	-0.0002	/	Pass
				40	3.87	1.140	0.0006	/	Pass
			50	3.87	0.923	0.0005	/	/	Pass
				3.5	4.060	0.0022	/	/	Pass
				3.87	4.254	0.0023	/	/	Pass
64QAM	1857.5	75	0	4.45	3.734	0.0020	/	/	Pass
				-30	3.87	4.971	0.0027	/	Pass
				-20	3.87	0.295	0.0002	/	Pass
				-10	3.87	0.724	0.0004	/	Pass
				0	3.87	5.697	0.0031	/	Pass
				10	3.87	2.532	0.0014	/	Pass
				30	3.87	-0.110	-0.0001	/	Pass
				40	3.87	1.898	0.0010	/	Pass
				50	3.87	-3.257	-0.0018	/	Pass
	1882.5	75	0	3.5	-1.106	-0.0006	/	/	Pass
				3.87	-4.802	-0.0026	/	/	Pass
				4.45	-4.101	-0.0022	/	/	Pass
				-30	3.87	-0.609	-0.0003	/	Pass
				-20	3.87	-2.028	-0.0011	/	Pass
				-10	3.87	-3.707	-0.0020	/	Pass
				0	3.87	-0.949	-0.0005	/	Pass
				10	3.87	-0.632	-0.0003	/	Pass
				30	3.87	0.923	0.0005	/	Pass
				40	3.87	-2.551	-0.0014	/	Pass
				50	3.87	2.035	0.0011	/	Pass
	1907.5	75	0	20	3.5	2.399	0.0013	/	Pass
				3.87	-0.587	-0.0003	/	/	Pass



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					4.45	0.138	0.0001	/	Pass
				-30	3.87	1.825	0.0010	/	Pass
				-20	3.87	3.802	0.0020	/	Pass
				-10	3.87	4.643	0.0024	/	Pass
				0	3.87	1.325	0.0007	/	Pass
				10	3.87	-0.168	-0.0001	/	Pass
				30	3.87	1.947	0.0010	/	Pass
				40	3.87	-6.636	-0.0035	/	Pass
				50	3.87	8.243	0.0043	/	Pass



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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	3.5	-4.680	-0.0025	/	Pass
					3.87	0.649	0.0003	/	Pass
					4.45	-1.993	-0.0011	/	Pass
				-30	3.87	-3.537	-0.0019	/	Pass
				-20	3.87	4.902	0.0026	/	Pass
				-10	3.87	-0.053	0.0000	/	Pass
				0	3.87	-3.146	-0.0017	/	Pass
				10	3.87	-4.733	-0.0025	/	Pass
				30	3.87	3.478	0.0019	/	Pass
				40	3.87	2.320	0.0012	/	Pass
				50	3.87	-4.835	-0.0026	/	Pass
	1882.5	100	0	20	3.5	-1.393	-0.0007	/	Pass
					3.87	2.564	0.0014	/	Pass
					4.45	0.108	0.0001	/	Pass
				-30	3.87	1.847	0.0010	/	Pass
				-20	3.87	-3.111	-0.0017	/	Pass
				-10	3.87	-2.037	-0.0011	/	Pass
				0	3.87	-4.434	-0.0024	/	Pass
				10	3.87	-0.213	-0.0001	/	Pass
				30	3.87	-0.935	-0.0005	/	Pass
				40	3.87	-2.305	-0.0012	/	Pass
				50	3.87	-2.516	-0.0013	/	Pass
	1905	100	0	20	3.5	1.268	0.0007	/	Pass
					3.87	-0.867	-0.0005	/	Pass
					4.45	4.778	0.0025	/	Pass
				-30	3.87	3.090	0.0016	/	Pass
				-20	3.87	1.307	0.0007	/	Pass
				-10	3.87	2.873	0.0015	/	Pass
				0	3.87	5.561	0.0029	/	Pass
				10	3.87	0.329	0.0002	/	Pass
				30	3.87	5.219	0.0027	/	Pass
				40	3.87	3.814	0.0020	/	Pass
				50	3.87	1.674	0.0009	/	Pass
16QAM	1860	100	0	20	3.5	0.813	0.0004	/	Pass
					3.87	-2.553	-0.0014	/	Pass
					4.45	-1.685	-0.0009	/	Pass
				-30	3.87	-2.362	-0.0013	/	Pass
				-20	3.87	-2.095	-0.0011	/	Pass
				-10	3.87	2.952	0.0016	/	Pass
				0	3.87	-4.336	-0.0023	/	Pass
				10	3.87	-0.032	0.0000	/	Pass



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				30	3.87	-3.216	-0.0017	/	Pass
				40	3.87	3.788	0.0020	/	Pass
				50	3.87	-1.280	-0.0007	/	Pass
1882.5	100	0	20	3.5	-3.663	-0.0019	/	Pass	Pass
				3.87	-3.922	-0.0021	/	Pass	Pass
				4.45	-3.353	-0.0018	/	Pass	Pass
			-30	3.87	0.333	0.0002	/	Pass	Pass
			-20	3.87	-3.479	-0.0018	/	Pass	Pass
			-10	3.87	-4.351	-0.0023	/	Pass	Pass
			0	3.87	-2.023	-0.0011	/	Pass	Pass
			10	3.87	2.220	0.0012	/	Pass	Pass
			30	3.87	-4.208	-0.0022	/	Pass	Pass
			40	3.87	-3.459	-0.0018	/	Pass	Pass
			50	3.87	1.896	0.0010	/	Pass	Pass
1905	100	0	20	3.5	4.435	0.0023	/	Pass	Pass
				3.87	4.610	0.0024	/	Pass	Pass
				4.45	6.595	0.0035	/	Pass	Pass
			-30	3.87	3.395	0.0018	/	Pass	Pass
			-20	3.87	5.158	0.0027	/	Pass	Pass
			-10	3.87	6.471	0.0034	/	Pass	Pass
			0	3.87	4.020	0.0021	/	Pass	Pass
			10	3.87	8.035	0.0042	/	Pass	Pass
			30	3.87	6.580	0.0035	/	Pass	Pass
			40	3.87	4.520	0.0024	/	Pass	Pass
			50	3.87	8.127	0.0043	/	Pass	Pass
64QAM	1860	100	20	3.5	-2.587	-0.0014	/	Pass	Pass
				3.87	-1.050	-0.0006	/	Pass	Pass
				4.45	-0.474	-0.0003	/	Pass	Pass
			-30	3.87	0.669	0.0004	/	Pass	Pass
			-20	3.87	2.843	0.0015	/	Pass	Pass
			-10	3.87	0.189	0.0001	/	Pass	Pass
			0	3.87	0.736	0.0004	/	Pass	Pass
			10	3.87	2.288	0.0012	/	Pass	Pass
			30	3.87	-1.840	-0.0010	/	Pass	Pass
			40	3.87	-1.472	-0.0008	/	Pass	Pass
			50	3.87	1.416	0.0008	/	Pass	Pass
	1882.5	100	20	3.5	-0.891	-0.0005	/	Pass	Pass
				3.87	2.655	0.0014	/	Pass	Pass
				4.45	0.461	0.0002	/	Pass	Pass
			-30	3.87	0.453	0.0002	/	Pass	Pass
			-20	3.87	-4.932	-0.0026	/	Pass	Pass
			-10	3.87	-2.432	-0.0013	/	Pass	Pass
			0	3.87	2.043	0.0011	/	Pass	Pass
			10	3.87	-4.307	-0.0023	/	Pass	Pass
			30	3.87	-1.095	-0.0006	/	Pass	Pass
			40	3.87	1.865	0.0010	/	Pass	Pass
			50	3.87	-6.262	-0.0033	/	Pass	Pass
	1905	100	0	20	3.5	4.575	0.0024	/	Pass
				3.87	6.968	0.0037	/	Pass	Pass



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					4.45	2.377	0.0012	/	Pass
				-30	3.87	7.010	0.0037	/	Pass
				-20	3.87	2.286	0.0012	/	Pass
				-10	3.87	3.531	0.0019	/	Pass
				0	3.87	2.810	0.0015	/	Pass
				10	3.87	4.145	0.0022	/	Pass
				30	3.87	2.303	0.0012	/	Pass
				40	3.87	6.589	0.0035	/	Pass
				50	3.87	7.960	0.0042	/	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	1.109	/	Pass
		1882.5	6	0	1.109	/	Pass
		1914.3	6	0	1.117	/	Pass
	16QAM	1850.7	6	0	1.118	/	Pass
		1882.5	6	0	1.106	/	Pass
		1914.3	6	0	1.113	/	Pass
	64QAM	1850.7	6	0	1.111	/	Pass
		1882.5	6	0	1.118	/	Pass
		1914.3	6	0	1.109	/	Pass
3	QPSK	1851.5	15	0	2.737	/	Pass
		1882.5	15	0	2.745	/	Pass
		1913.5	15	0	2.743	/	Pass
	16QAM	1851.5	15	0	2.753	/	Pass
		1882.5	15	0	2.733	/	Pass
		1913.5	15	0	2.742	/	Pass
	64QAM	1851.5	15	0	2.753	/	Pass
		1882.5	15	0	2.729	/	Pass
		1913.5	15	0	2.741	/	Pass
5	QPSK	1852.5	25	0	4.553	/	Pass
		1882.5	25	0	4.555	/	Pass
		1912.5	25	0	4.557	/	Pass
	16QAM	1852.5	25	0	4.543	/	Pass
		1882.5	25	0	4.580	/	Pass
		1912.5	25	0	4.582	/	Pass
	64QAM	1852.5	25	0	4.545	/	Pass
		1882.5	25	0	4.544	/	Pass
		1912.5	25	0	4.557	/	Pass
10	QPSK	1855	50	0	9.063	/	Pass
		1882.5	50	0	9.035	/	Pass
		1910	50	0	9.103	/	Pass
	16QAM	1855	50	0	9.039	/	Pass
		1882.5	50	0	9.046	/	Pass
		1910	50	0	9.051	/	Pass
	64QAM	1855	50	0	9.054	/	Pass
		1882.5	50	0	9.041	/	Pass
		1910	50	0	9.080	/	Pass
15	QPSK	1857.5	75	0	13.579	/	Pass
		1882.5	75	0	13.563	/	Pass
		1907.5	75	0	13.547	/	Pass



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	16QAM	1857.5	75	0	13.539	/	Pass
		1882.5	75	0	13.593	/	Pass
		1907.5	75	0	13.568	/	Pass
	64QAM	1857.5	75	0	13.547	/	Pass
		1882.5	75	0	13.558	/	Pass
		1907.5	75	0	13.596	/	Pass
20	QPSK	1860	100	0	18.136	/	Pass
		1882.5	100	0	18.058	/	Pass
		1905	100	0	18.031	/	Pass
	16QAM	1860	100	0	18.087	/	Pass
		1882.5	100	0	18.045	/	Pass
		1905	100	0	18.006	/	Pass
	64QAM	1860	100	0	18.076	/	Pass
		1882.5	100	0	18.100	/	Pass
		1905	100	0	18.038	/	Pass



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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	1.334	/	Pass
		1882.5	6	0	1.336	/	Pass
		1914.3	6	0	1.337	/	Pass
	16QAM	1850.7	6	0	1.344	/	Pass
		1882.5	6	0	1.310	/	Pass
		1914.3	6	0	1.354	/	Pass
	64QAM	1850.7	6	0	1.337	/	Pass
		1882.5	6	0	1.351	/	Pass
		1914.3	6	0	1.330	/	Pass
3	QPSK	1851.5	15	0	3.018	/	Pass
		1882.5	15	0	3.031	/	Pass
		1913.5	15	0	3.027	/	Pass
	16QAM	1851.5	15	0	3.003	/	Pass
		1882.5	15	0	3.015	/	Pass
		1913.5	15	0	3.037	/	Pass
	64QAM	1851.5	15	0	3.029	/	Pass
		1882.5	15	0	3.025	/	Pass
		1913.5	15	0	3.011	/	Pass
5	QPSK	1852.5	25	0	5.091	/	Pass
		1882.5	25	0	5.083	/	Pass
		1912.5	25	0	5.095	/	Pass
	16QAM	1852.5	25	0	5.086	/	Pass
		1882.5	25	0	5.045	/	Pass
		1912.5	25	0	5.094	/	Pass
	64QAM	1852.5	25	0	5.054	/	Pass
		1882.5	25	0	5.077	/	Pass
		1912.5	25	0	5.079	/	Pass
10	QPSK	1855	50	0	10.065	/	Pass
		1882.5	50	0	9.940	/	Pass
		1910	50	0	10.073	/	Pass
	16QAM	1855	50	0	9.940	/	Pass
		1882.5	50	0	9.923	/	Pass
		1910	50	0	10.015	/	Pass
	64QAM	1855	50	0	9.932	/	Pass
		1882.5	50	0	10.004	/	Pass
		1910	50	0	9.935	/	Pass
15	QPSK	1857.5	75	0	15.012	/	Pass
		1882.5	75	0	14.998	/	Pass
		1907.5	75	0	14.973	/	Pass
	16QAM	1857.5	75	0	14.891	/	Pass
		1882.5	75	0	14.904	/	Pass



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	64QAM	1907.5	75	0	14.834	/	Pass
		1857.5	75	0	14.859	/	Pass
		1882.5	75	0	14.909	/	Pass
		1907.5	75	0	14.980	/	Pass
20	QPSK	1860	100	0	19.794	/	Pass
		1882.5	100	0	19.722	/	Pass
		1905	100	0	19.795	/	Pass
	16QAM	1860	100	0	19.860	/	Pass
		1882.5	100	0	19.751	/	Pass
		1905	100	0	19.691	/	Pass
	64QAM	1860	100	0	19.778	/	Pass
		1882.5	100	0	19.807	/	Pass
		1905	100	0	19.701	/	Pass



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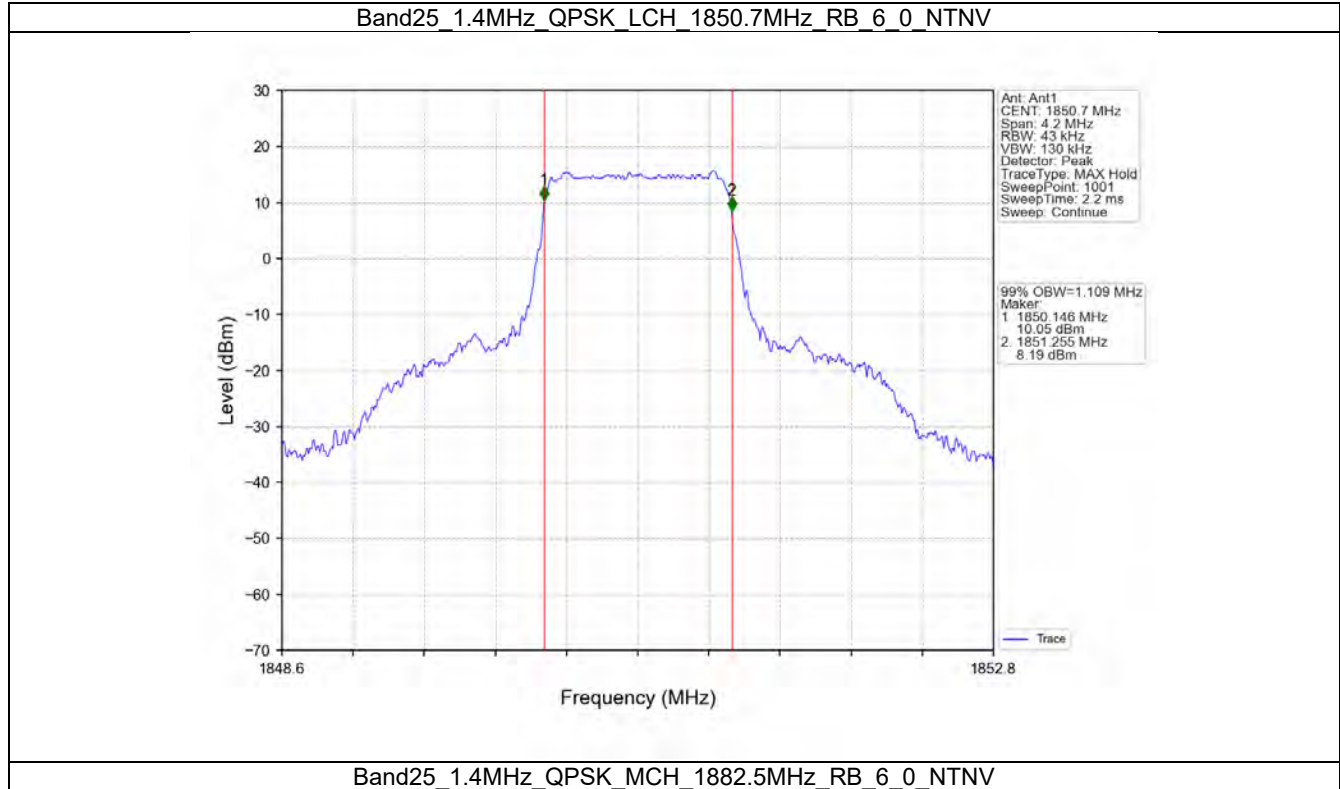
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3.1 Band25_OBW

3.1.2 Test Graph



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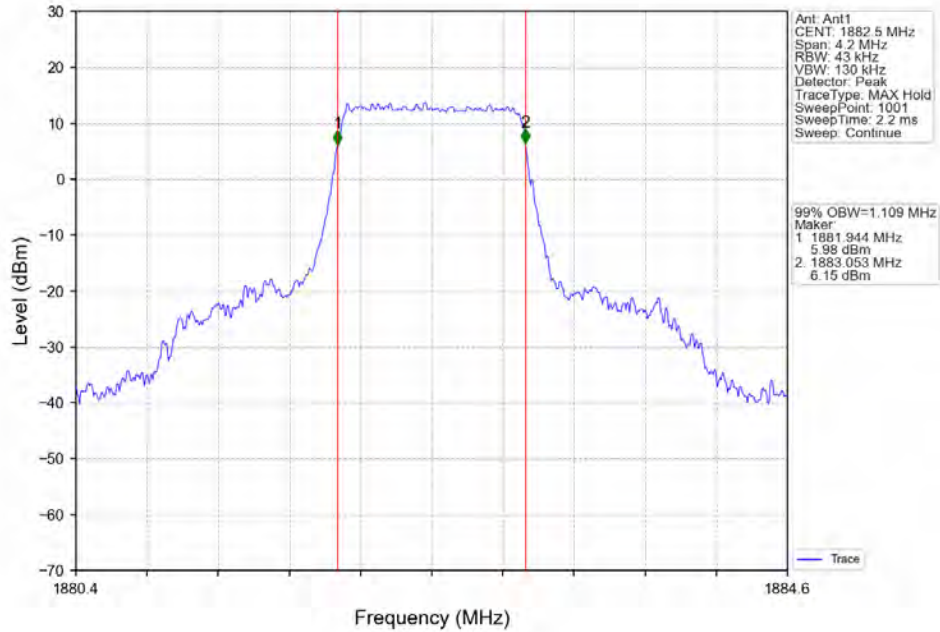
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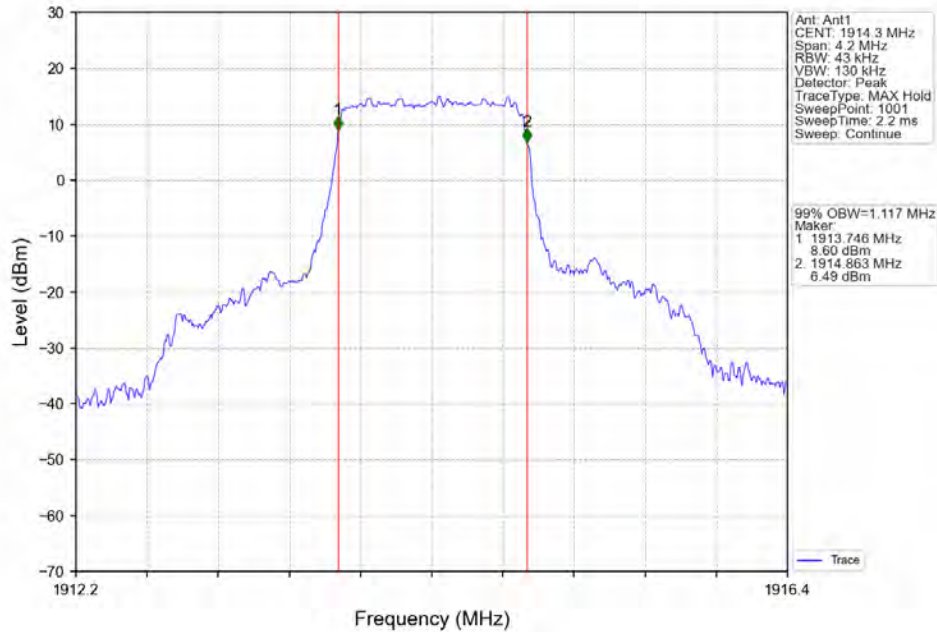
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Band25 1.4MHz QPSK HCH 1914.3MHz RB 6 0 NTN



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



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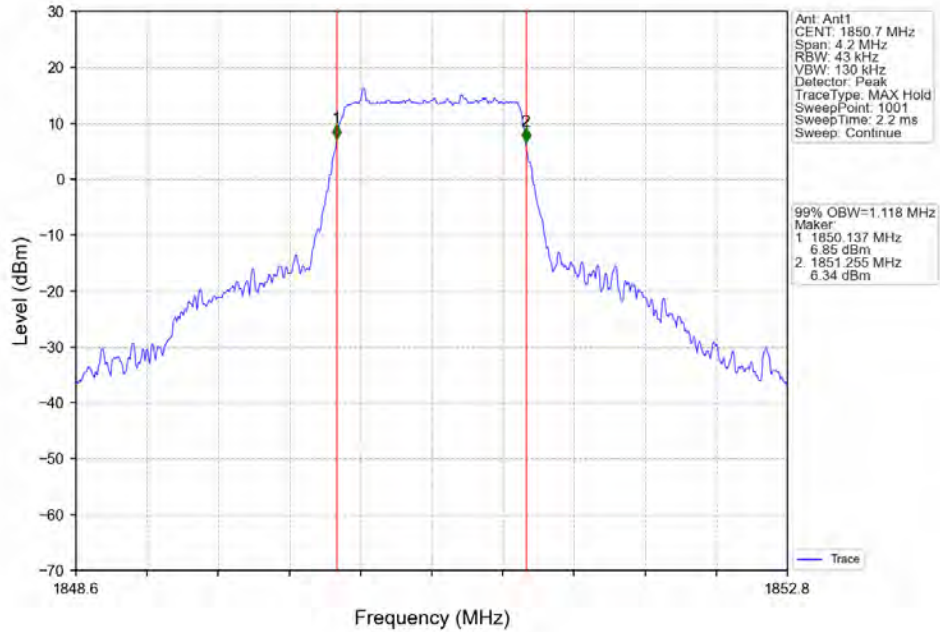
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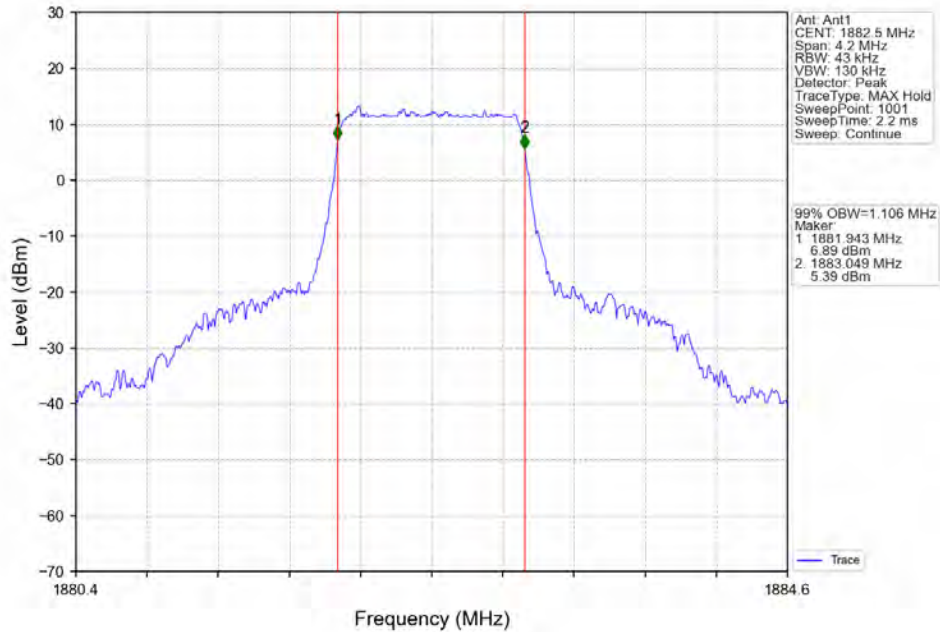
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Band25_1.4MHz_16QAM_HCH_1914.3MHz_RB_6_0_NTNV



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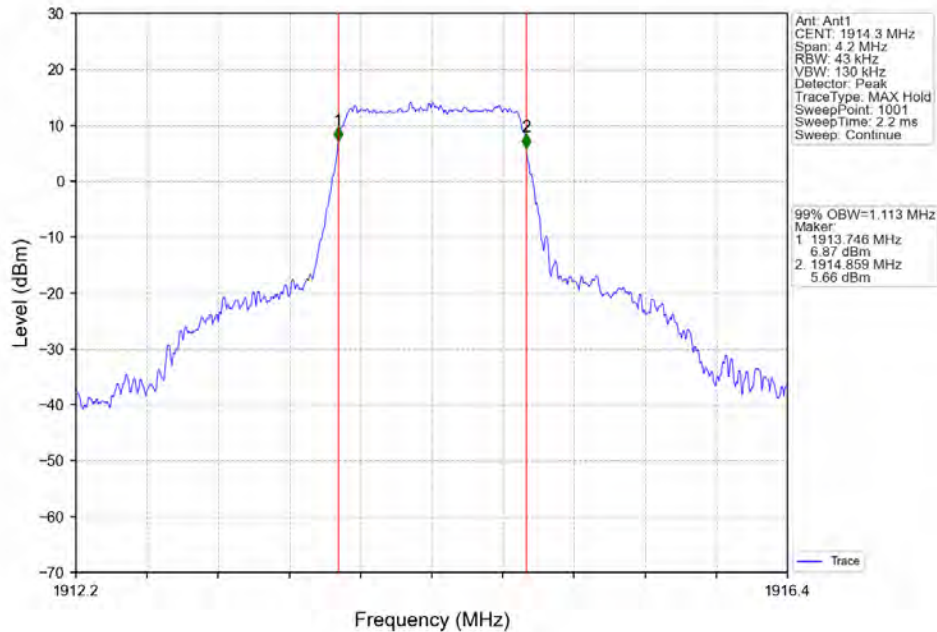
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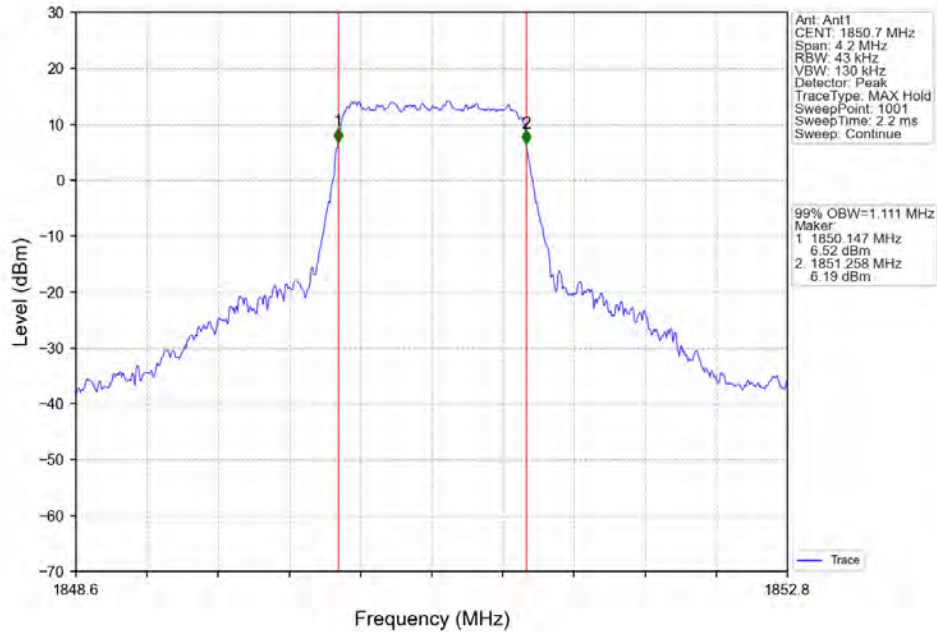
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Band25_1.4MHz_64QAM_MCH_1882.5MHz_RB_6_0_NTNV



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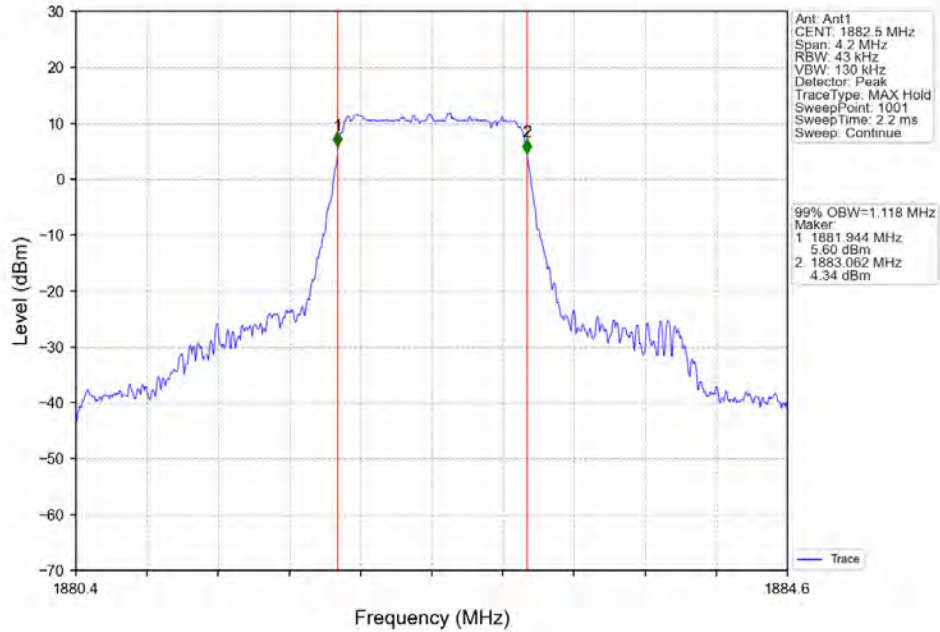
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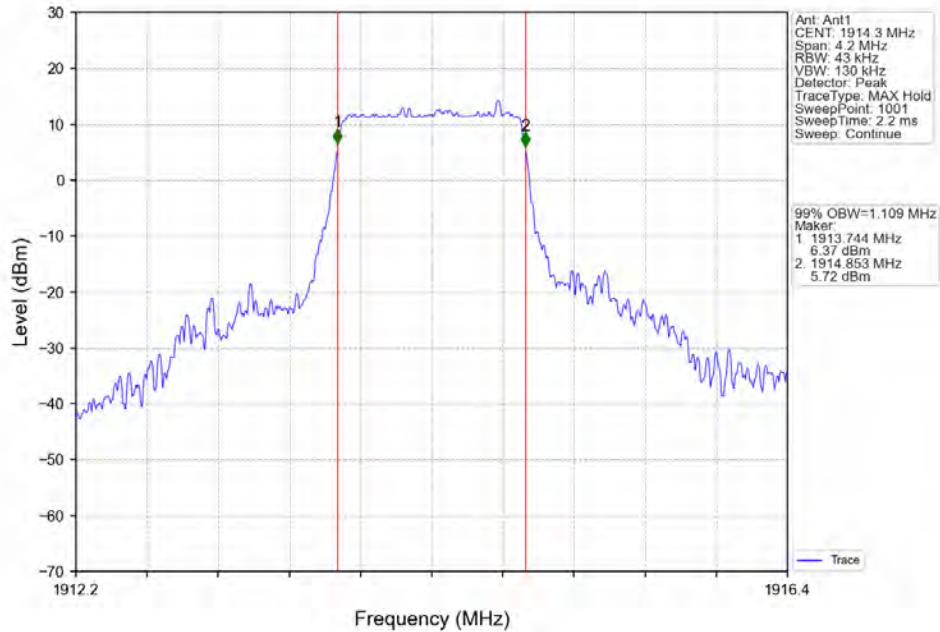
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Band25_3MHz_QPSK_LCH_1851.5MHz_RB_15_0_NTNV



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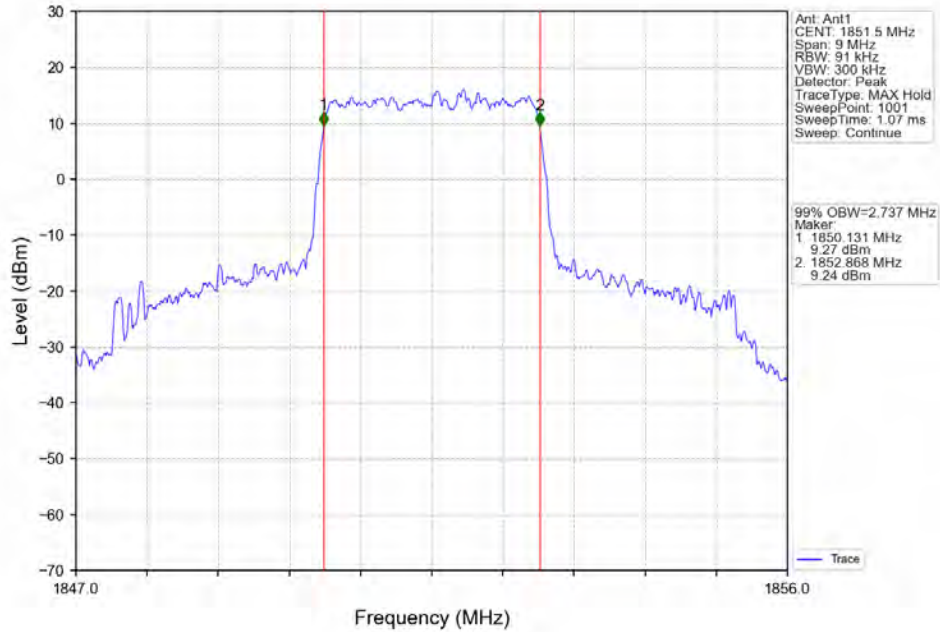
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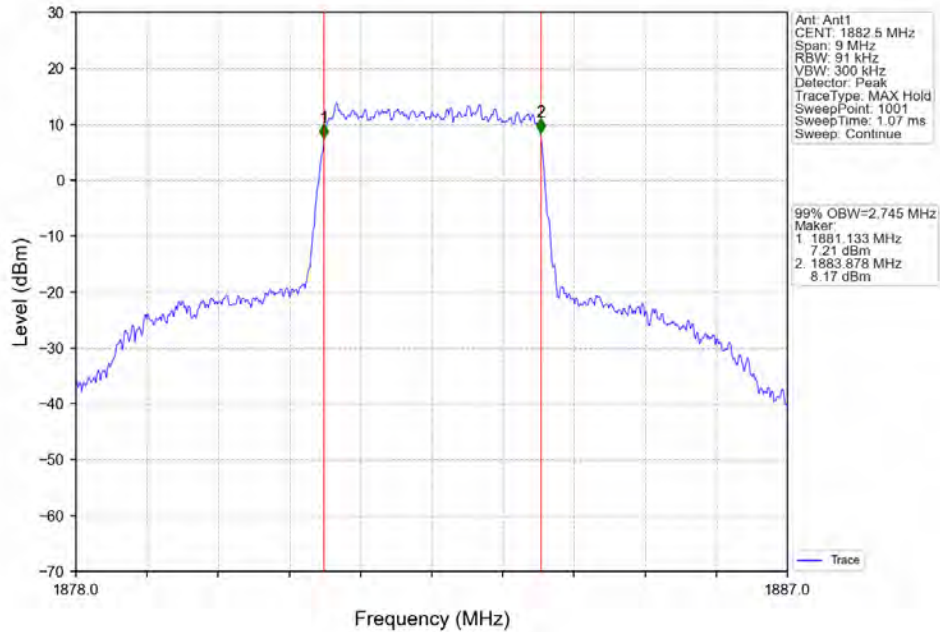
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Band25_3MHz_QPSK_HCH_1913.5MHz_RB_15_0_NTNV



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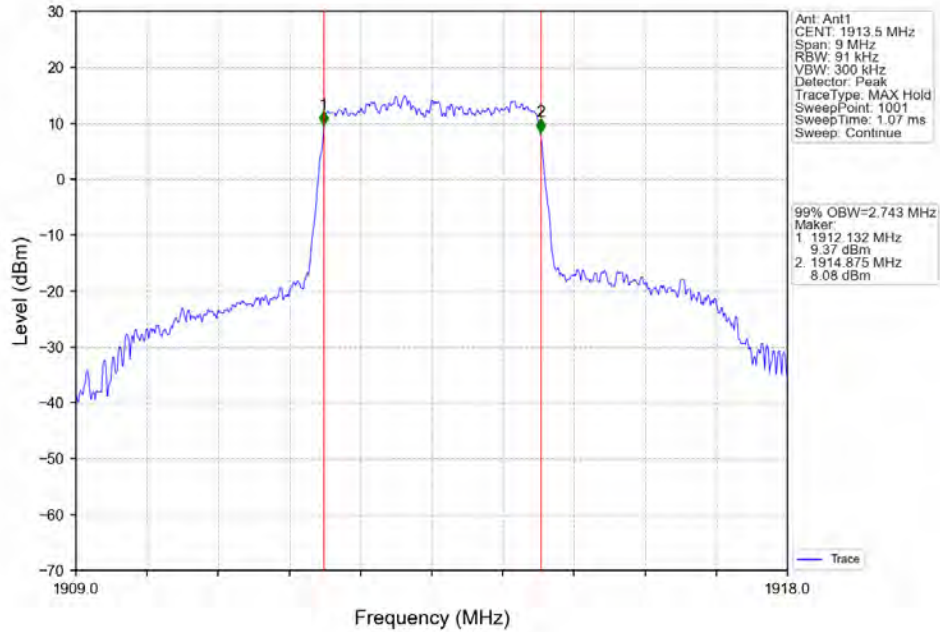
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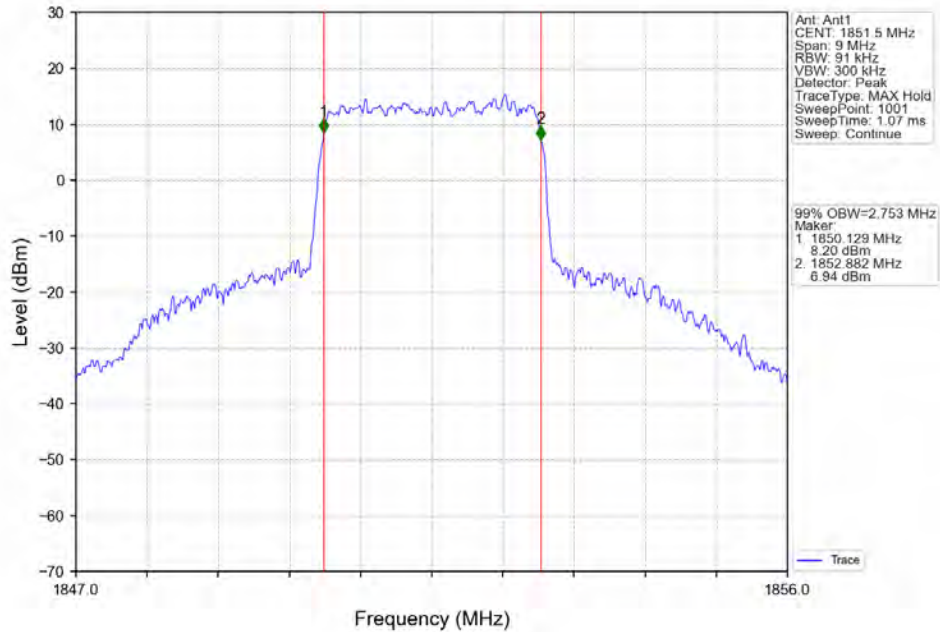
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Band25_3MHz_16QAM_MCH_1882.5MHz_RB_15_0_NTNV



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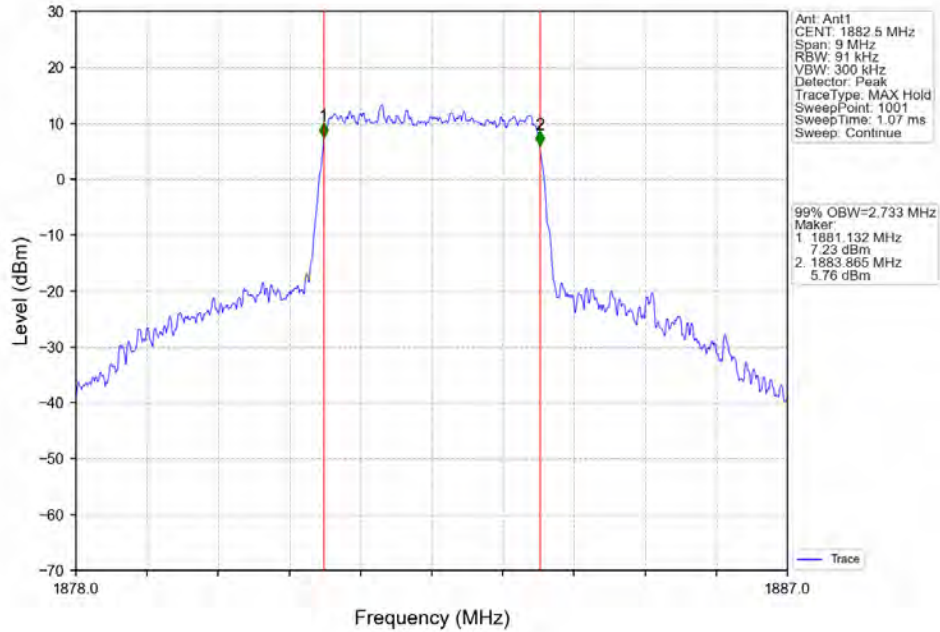
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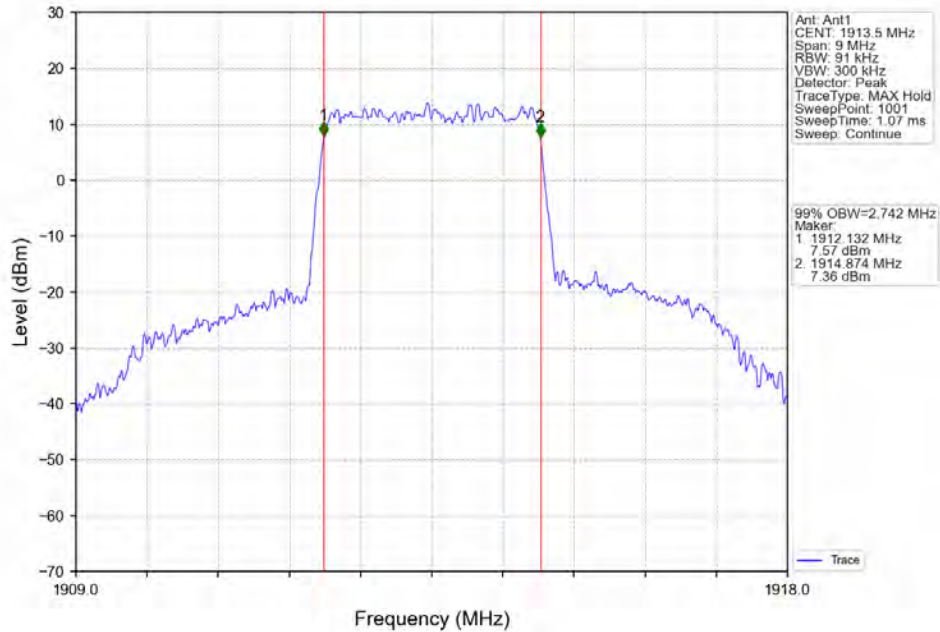
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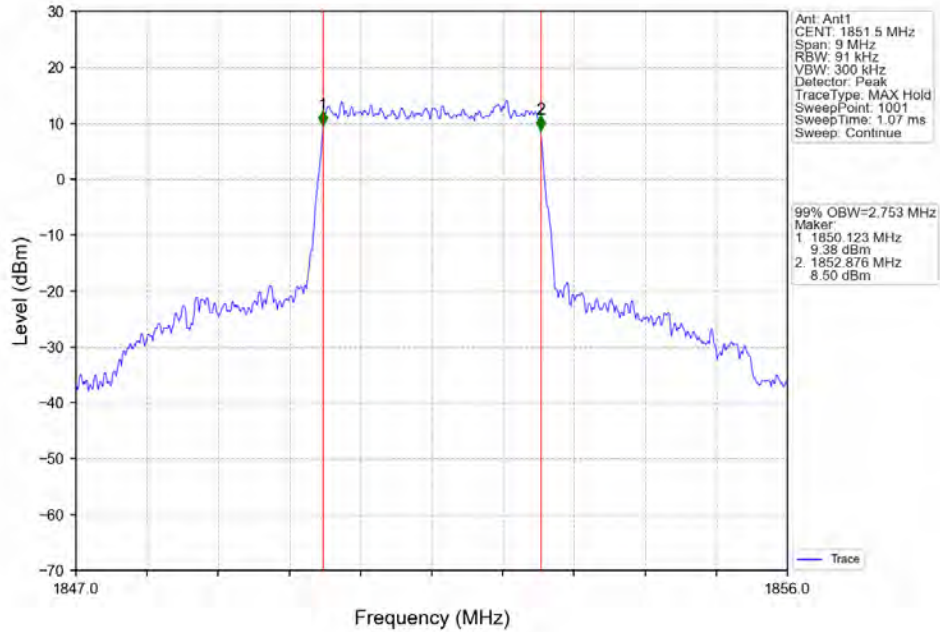
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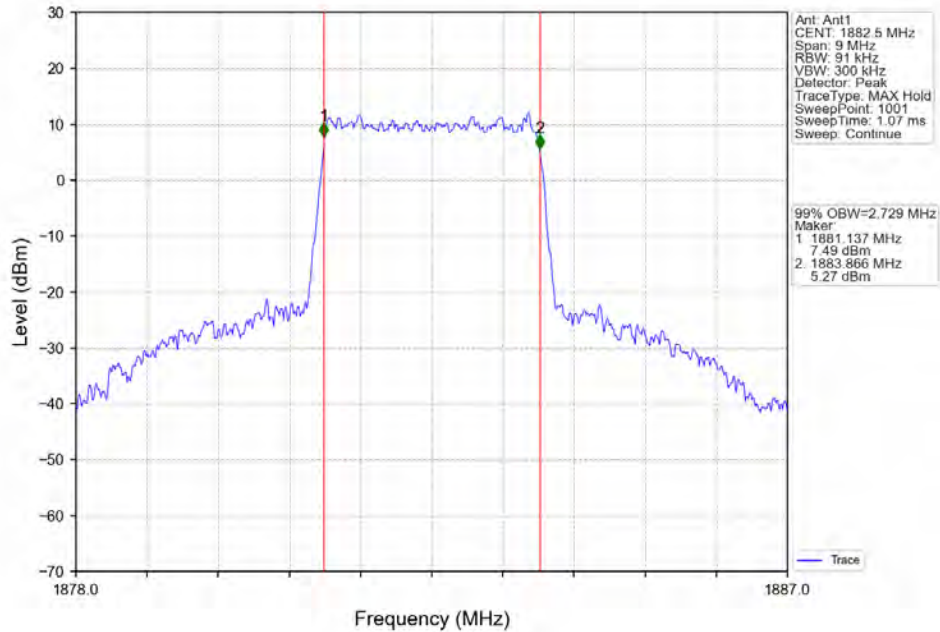
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Band25_3MHz_64QAM_HCH_1913.5MHz_RB_15_0_NTNV



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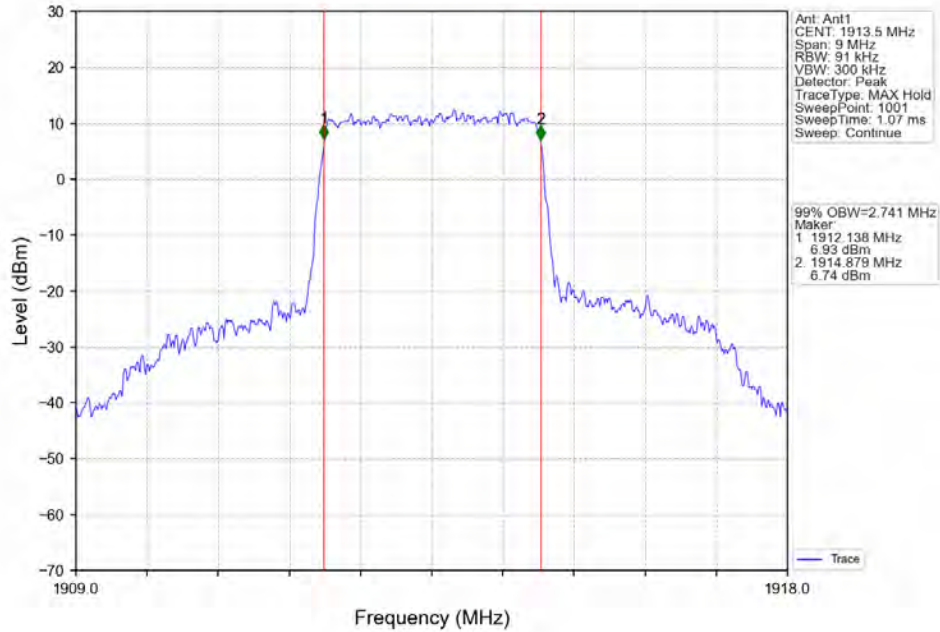
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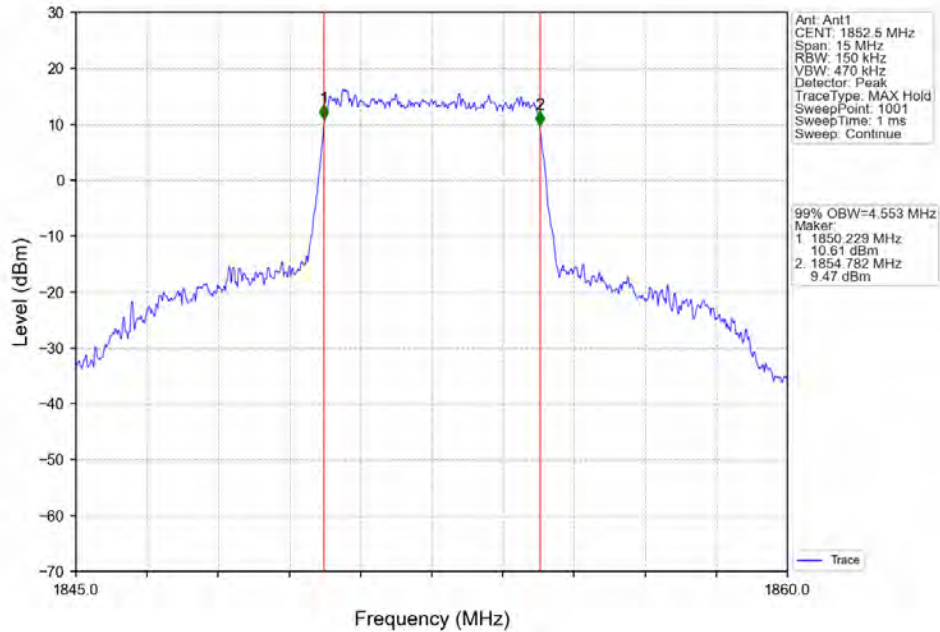
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Band25_5MHz_QPSK_MCH_1882.5MHz_RB_25_0_NTNV



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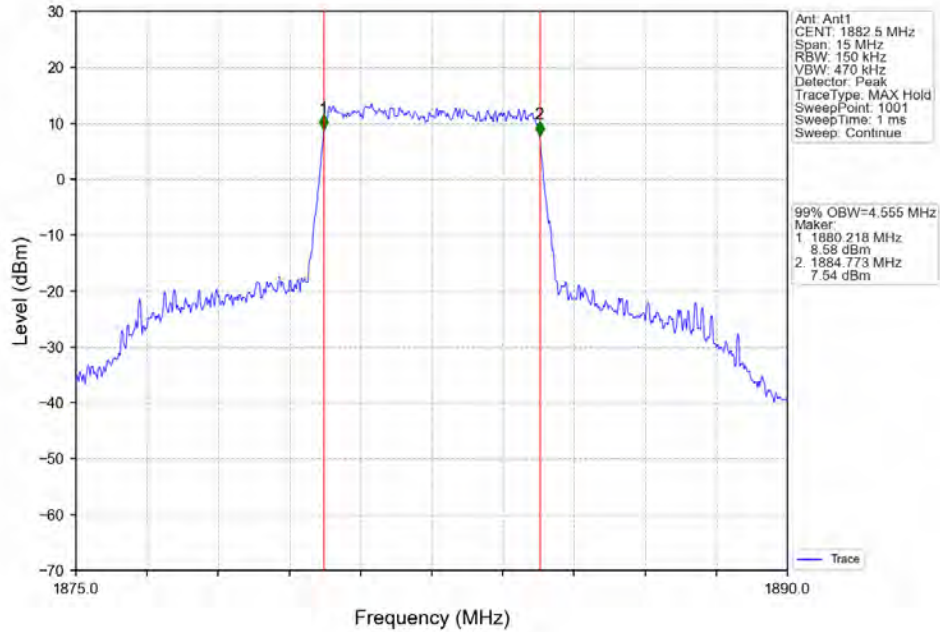
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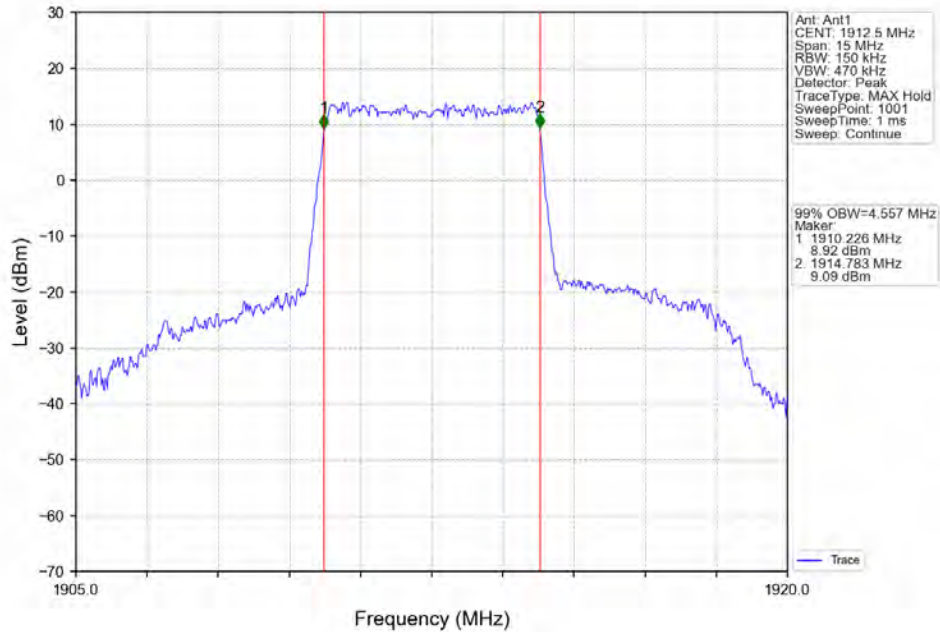
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Band25_5MHz_16QAM_LCH_1852.5MHz_RB_25_0_NTNV



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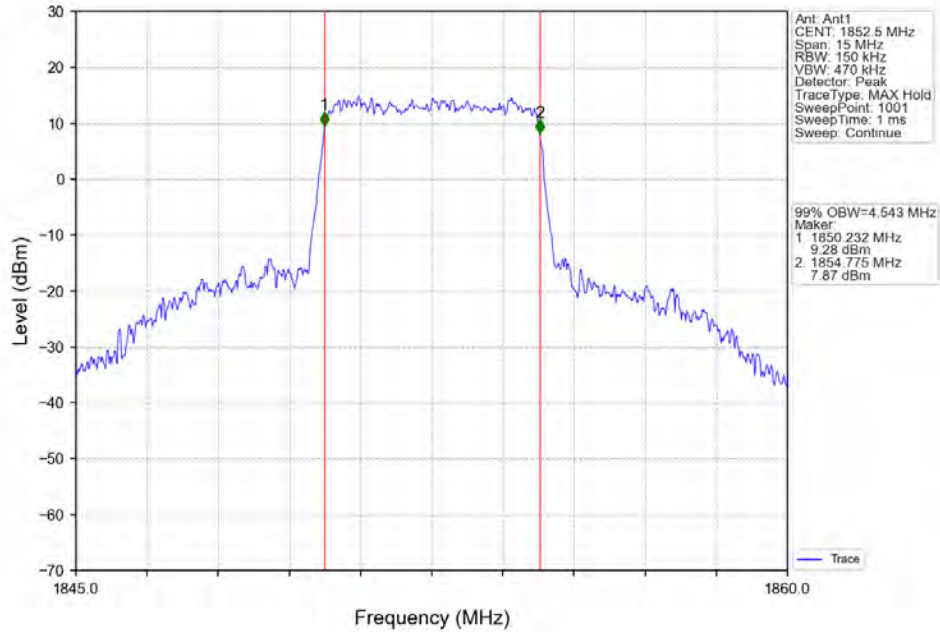
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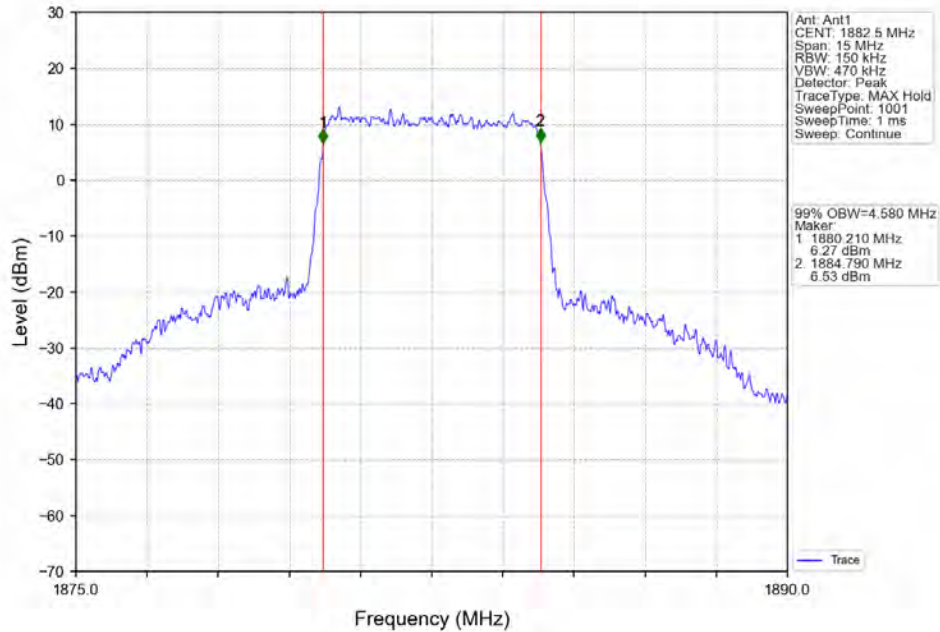
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Band25_5MHz_16QAM_HCH_1912.5MHz_RB_25_0_NTNV



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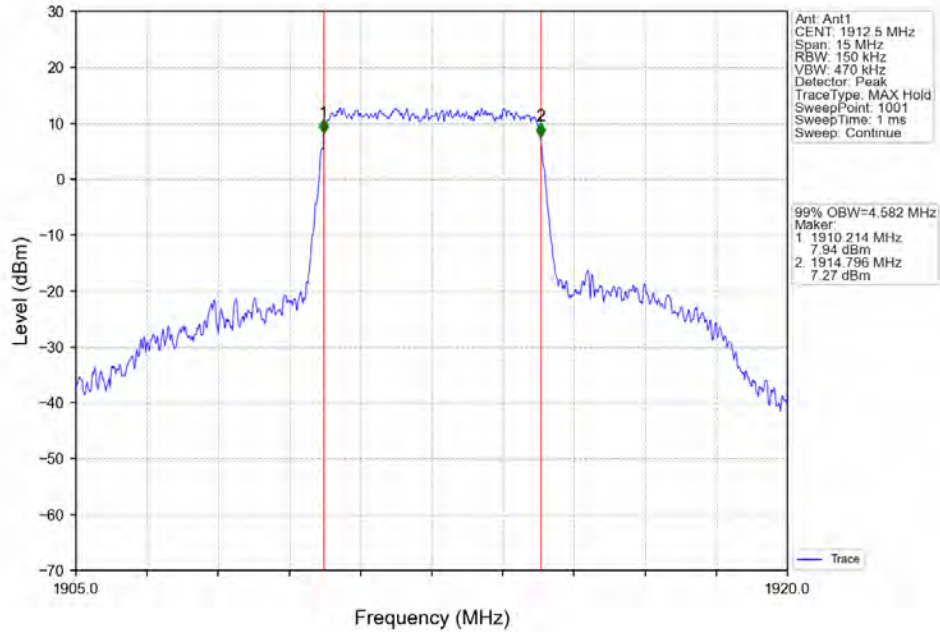
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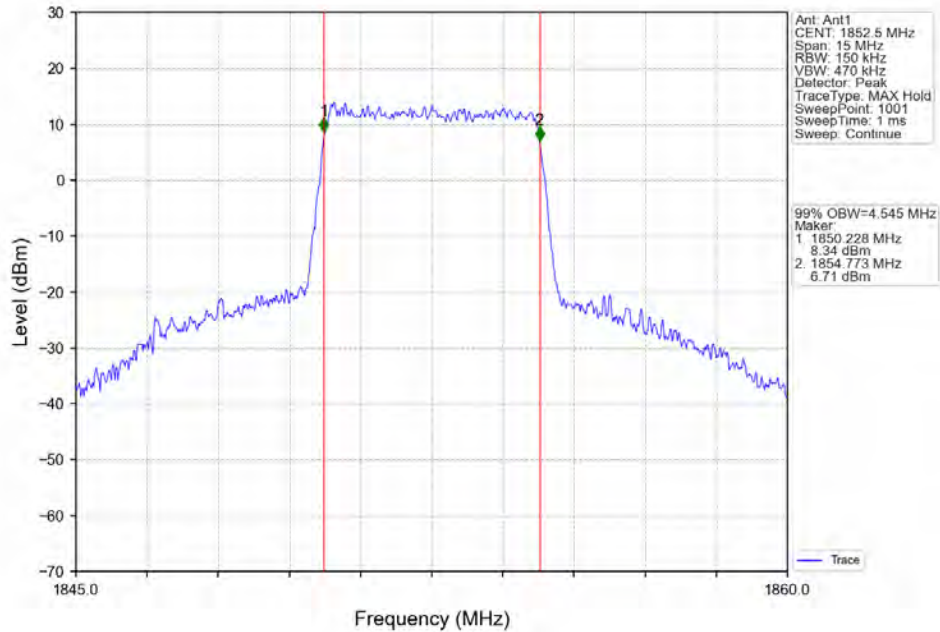
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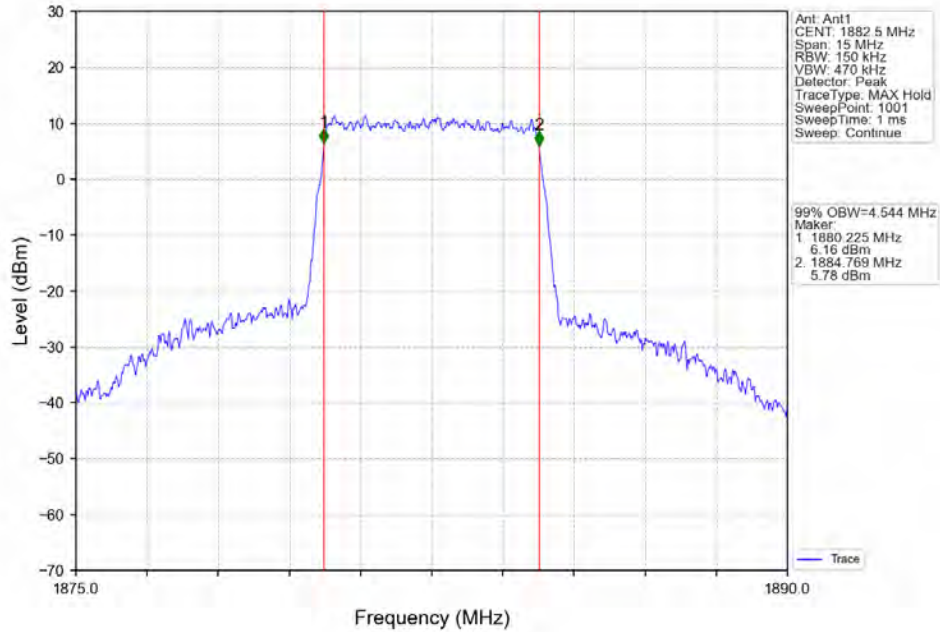
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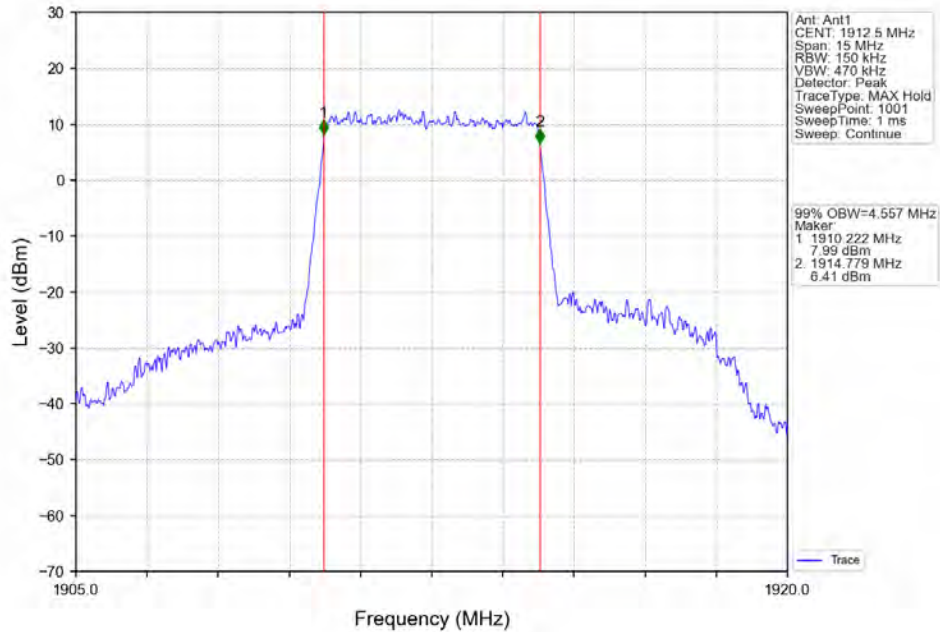
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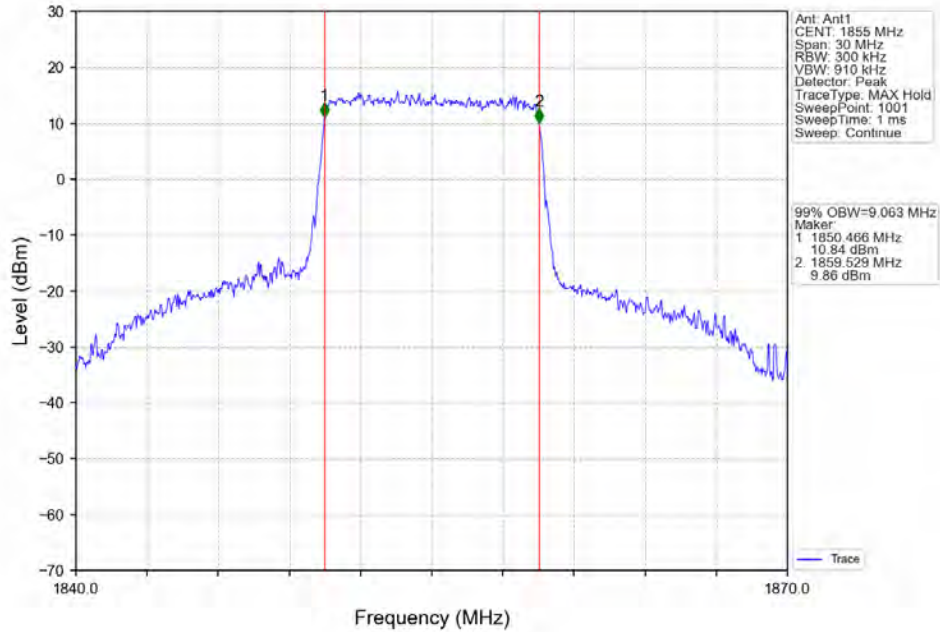
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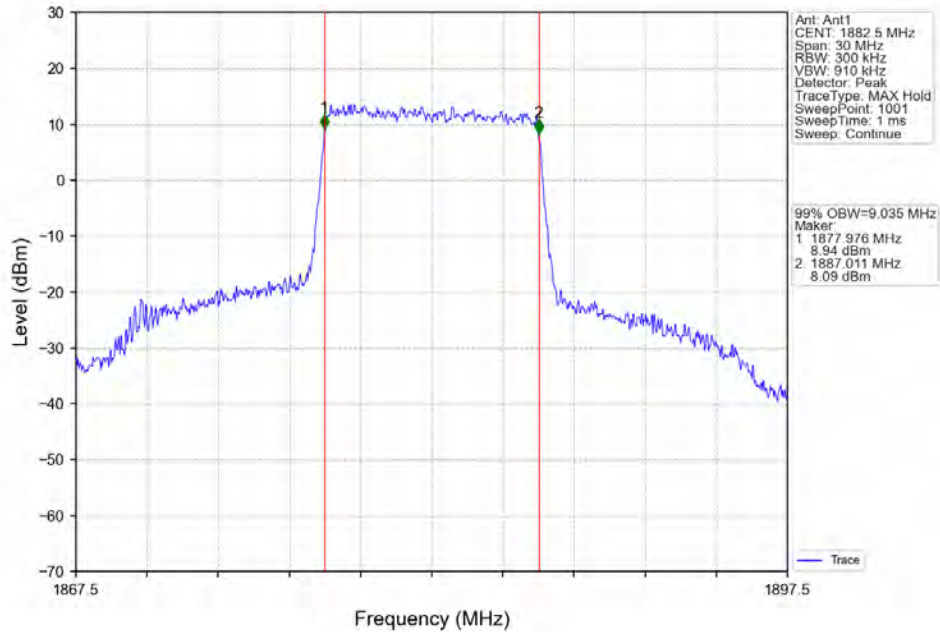
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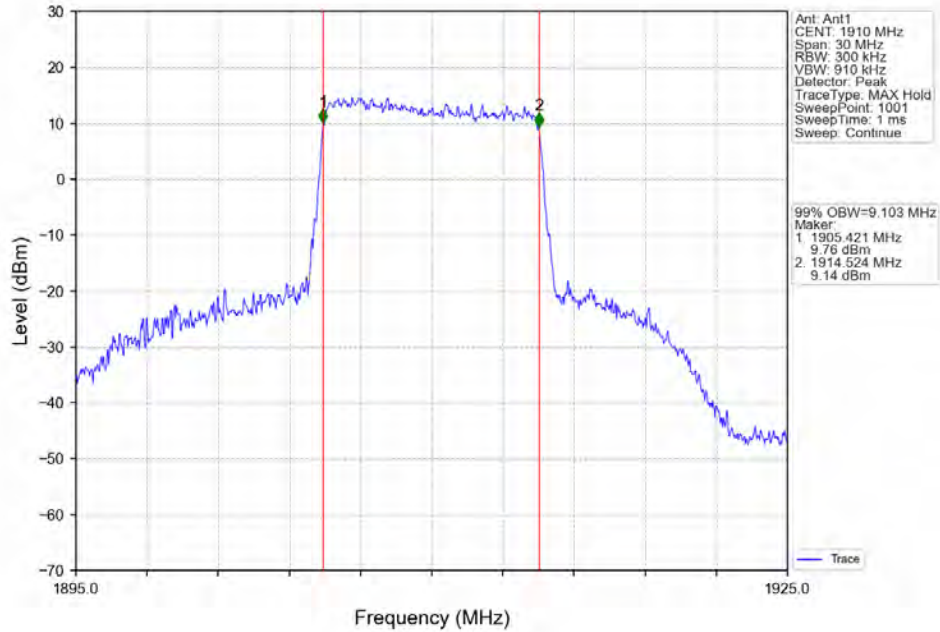
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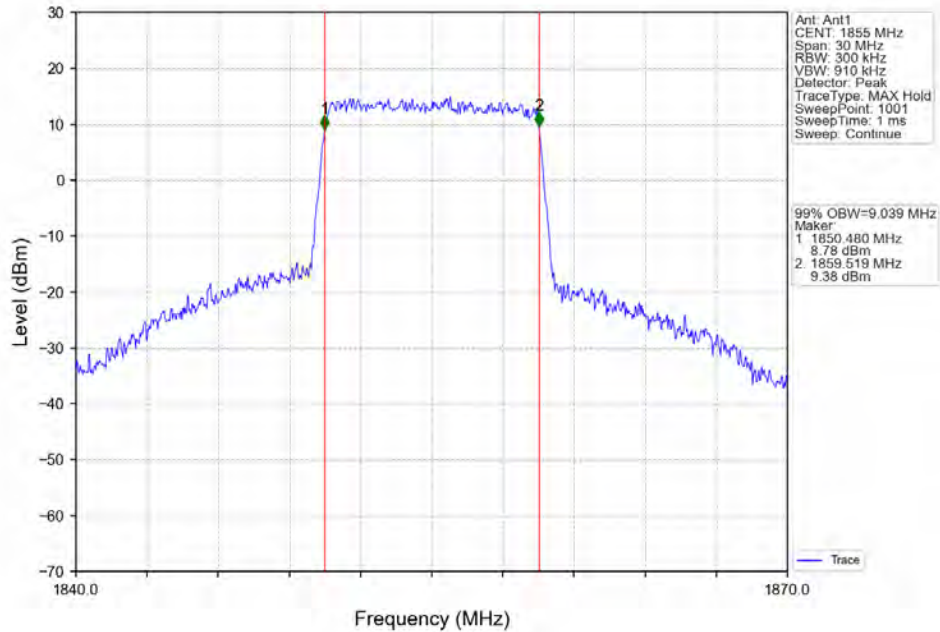
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Band25_10MHz_16QAM_MCH_1882.5MHz_RB_50_0_NTNV



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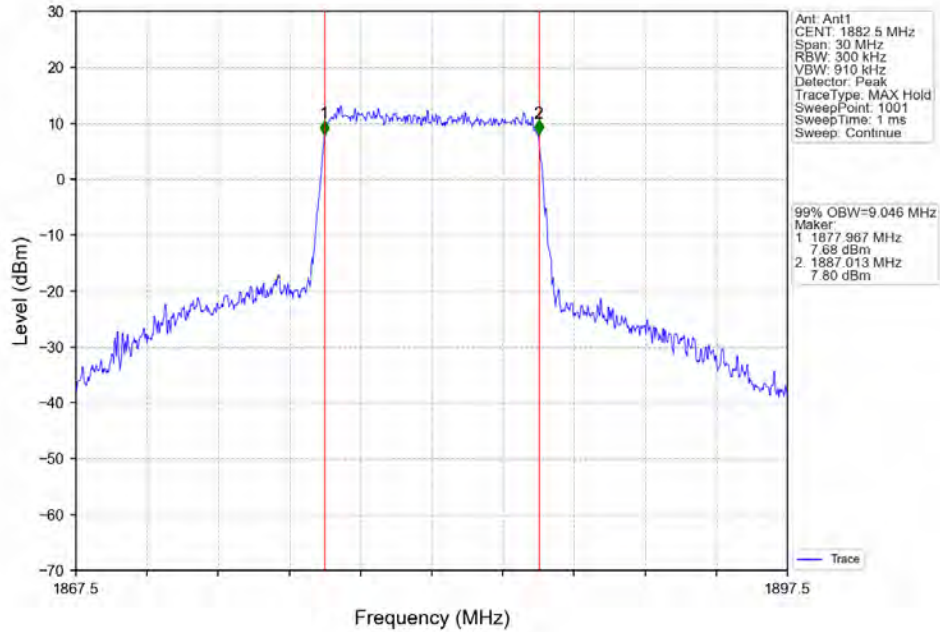
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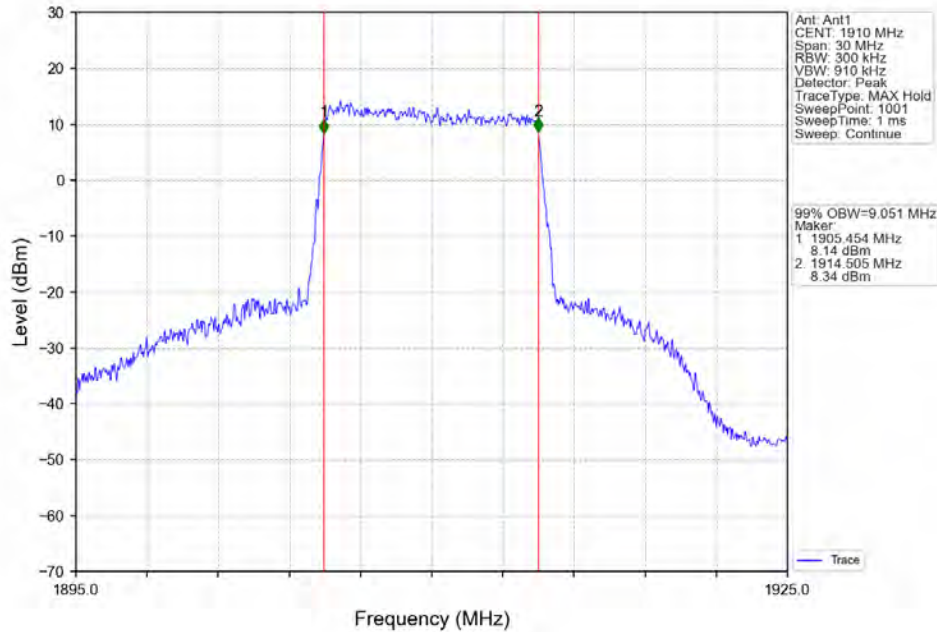
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Band25_10MHz_64QAM_LCH_1855MHz_RB_50_0_NTNV



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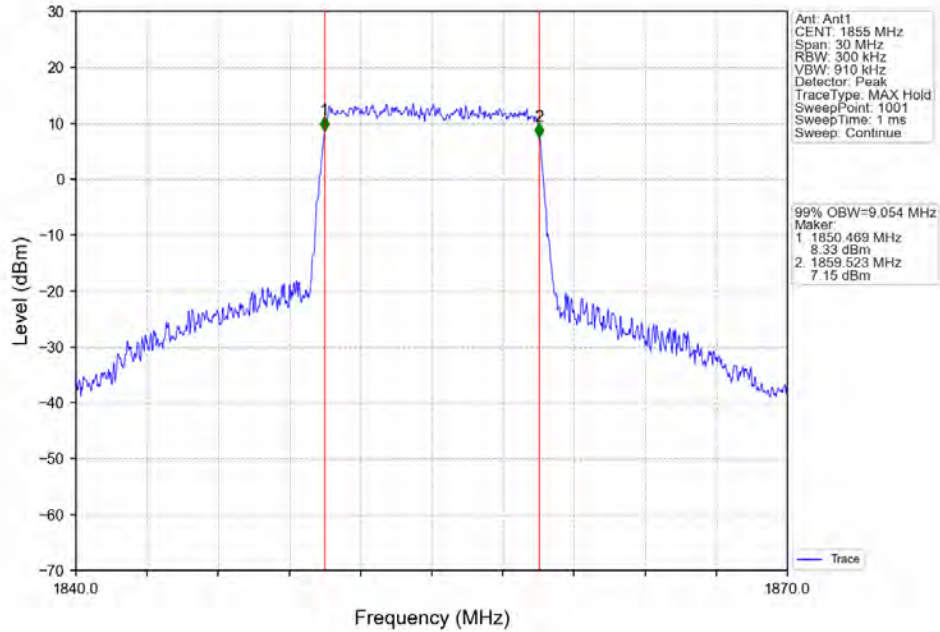
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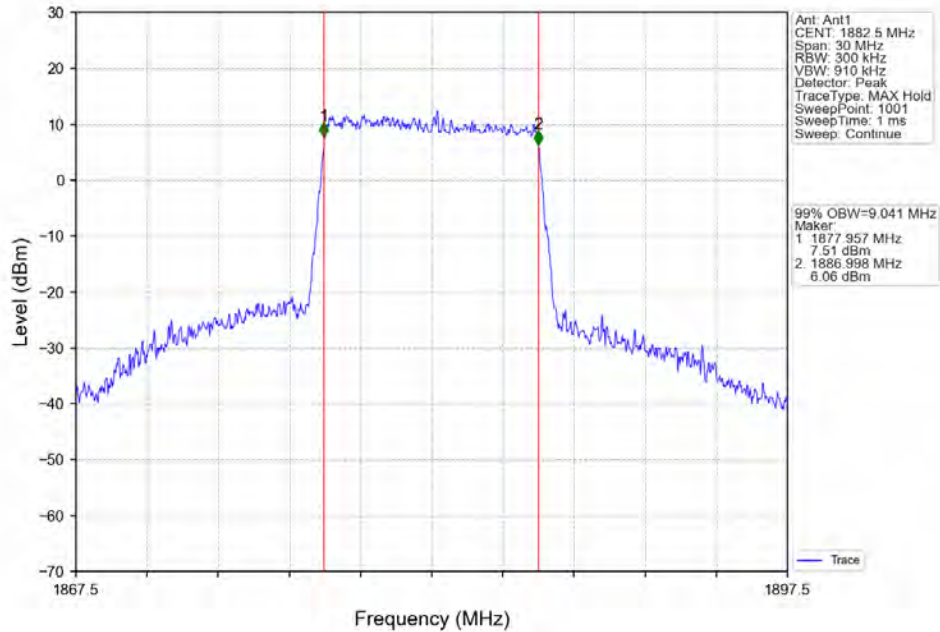
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Band25_10MHz_64QAM_HCH_1910MHz_RB_50_0_NTNV



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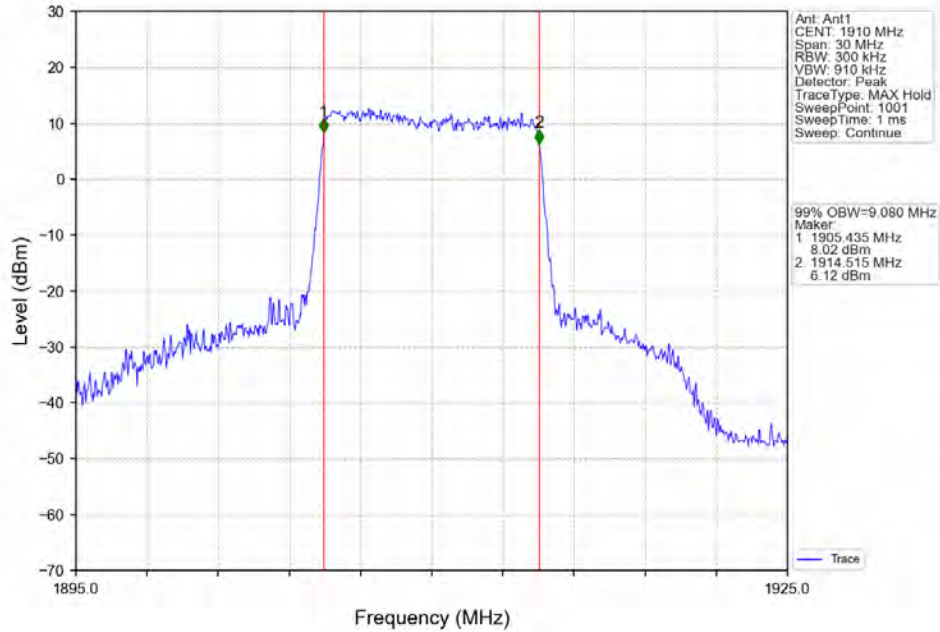
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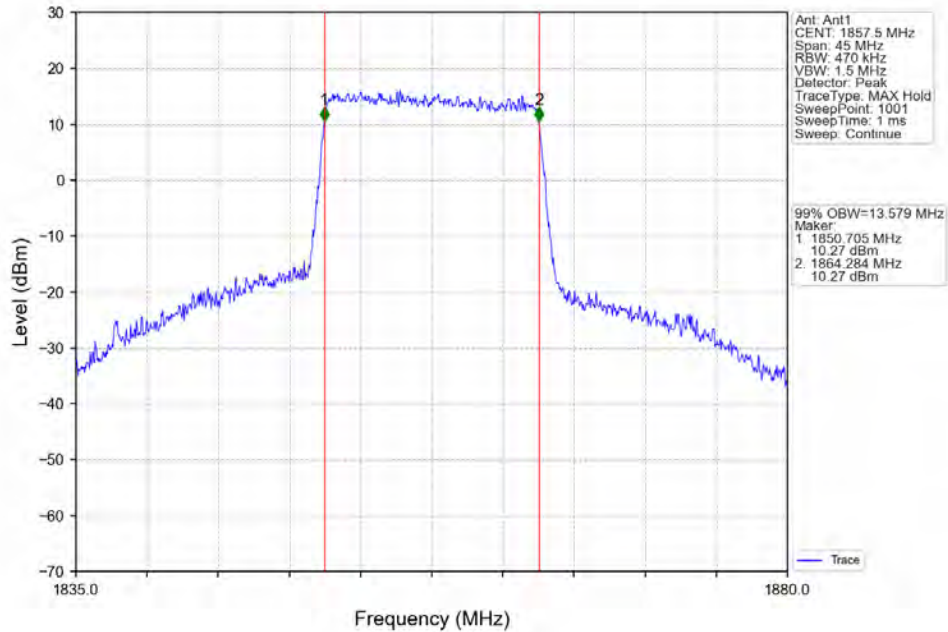
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Band25_15MHz_QPSK_MCH_1882.5MHz_RB_75_0_NTNV



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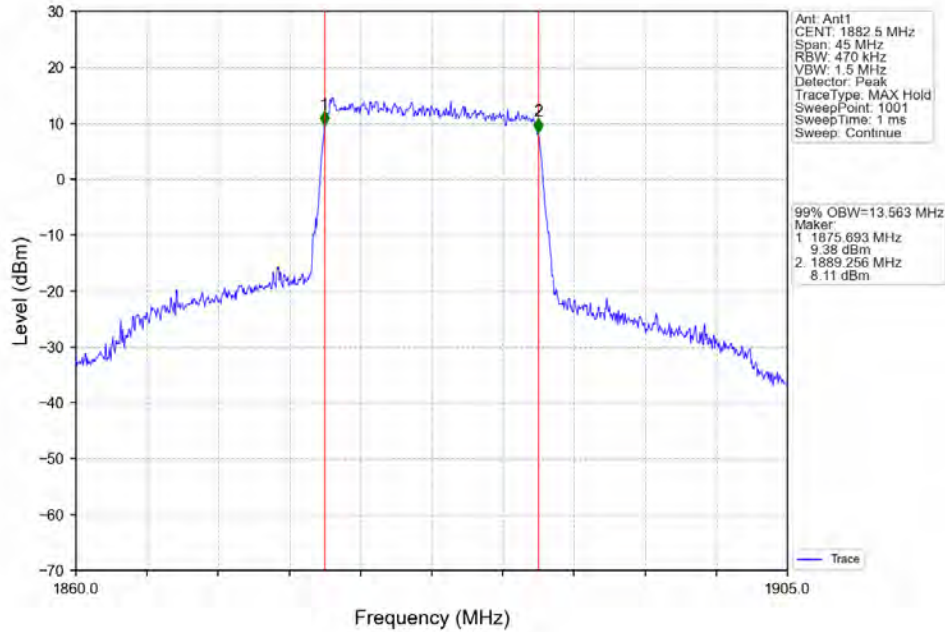
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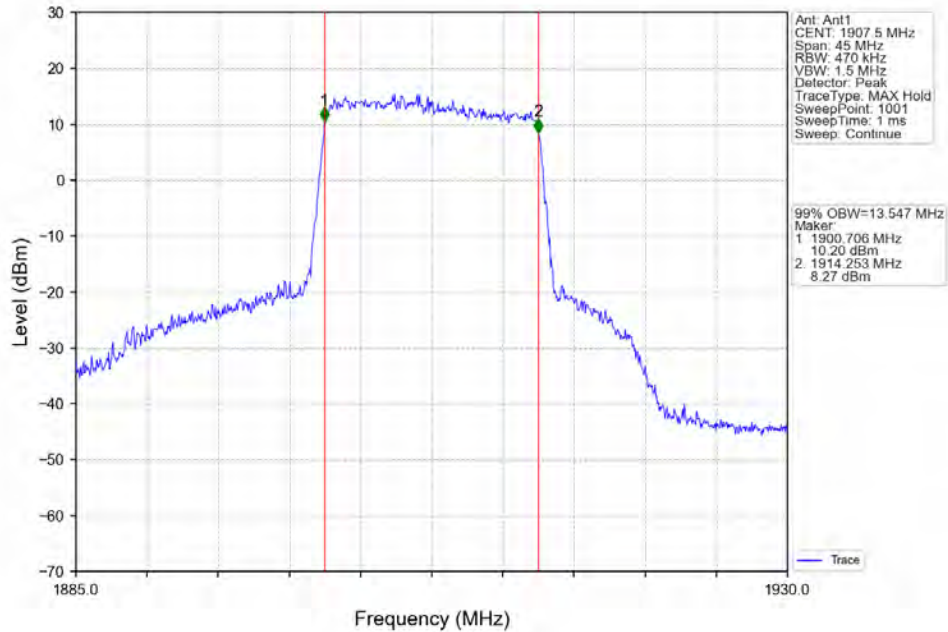
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Band25_15MHz_16QAM_LCH_1857.5MHz_RB_75_0_NTNV



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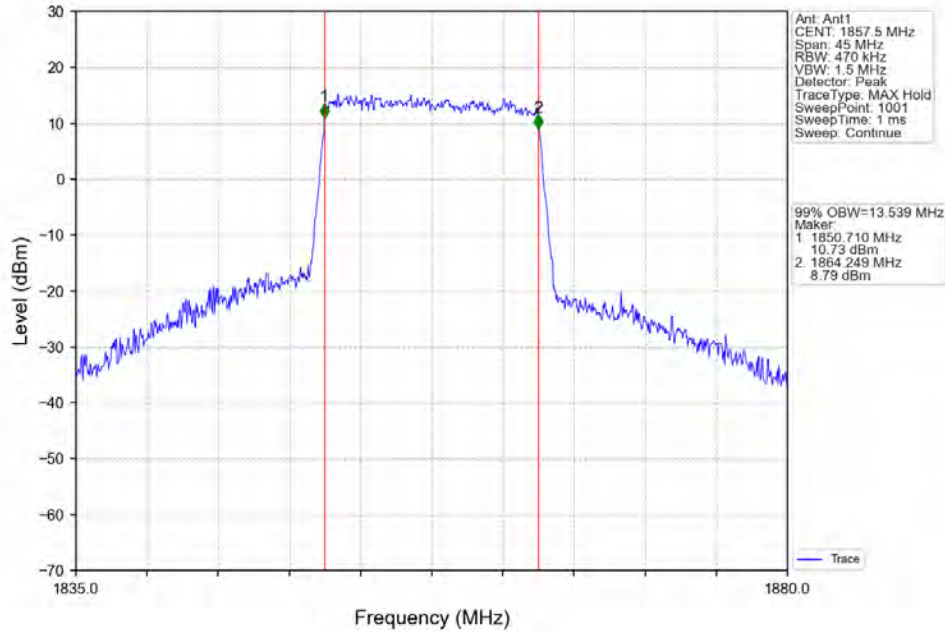
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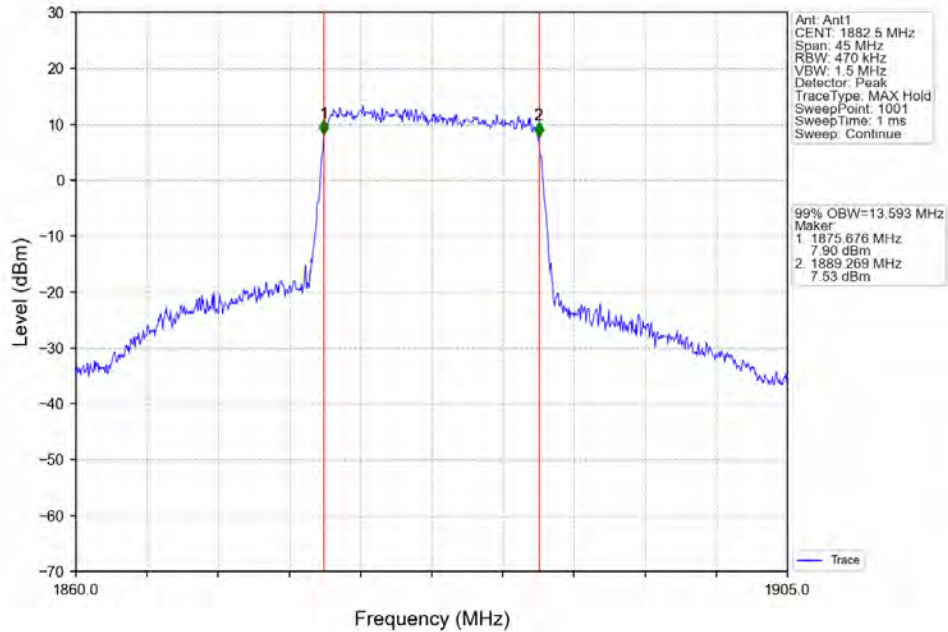
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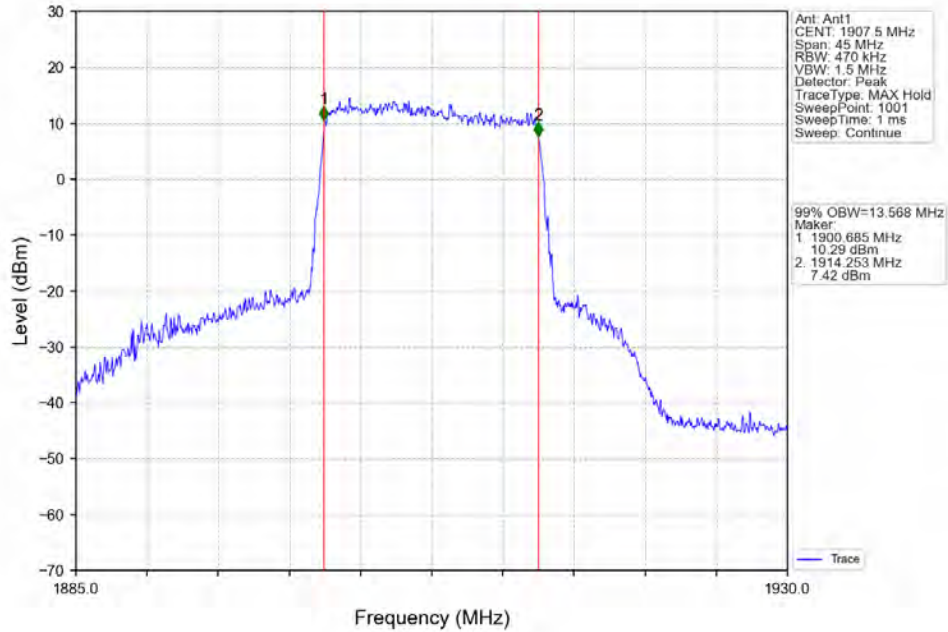
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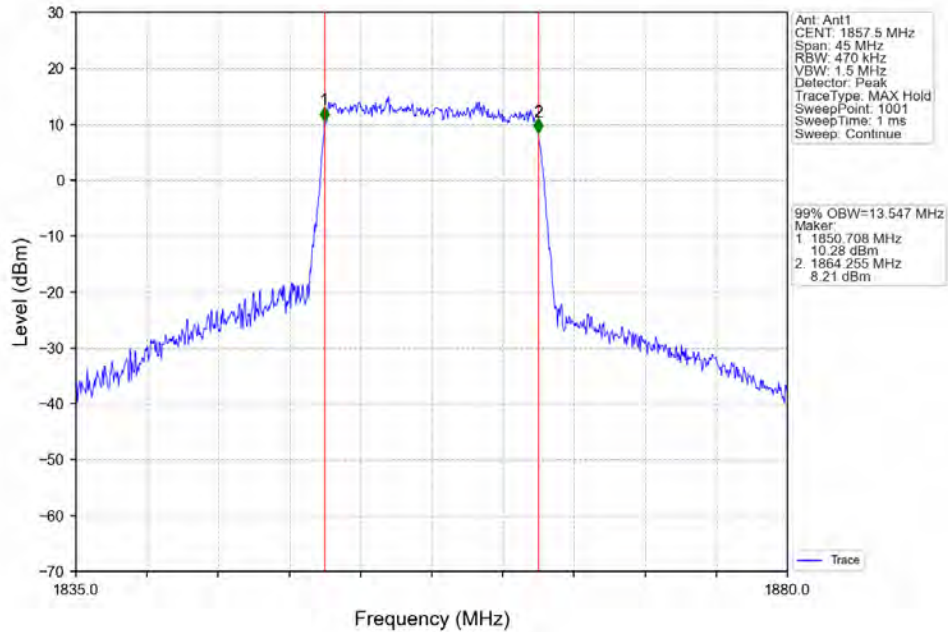
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Band25_15MHz_64QAM_LCH_1857.5MHz_RB_75_0_NTNV



Band25_15MHz_64QAM_MCH_1882.5MHz_RB_75_0_NTNV



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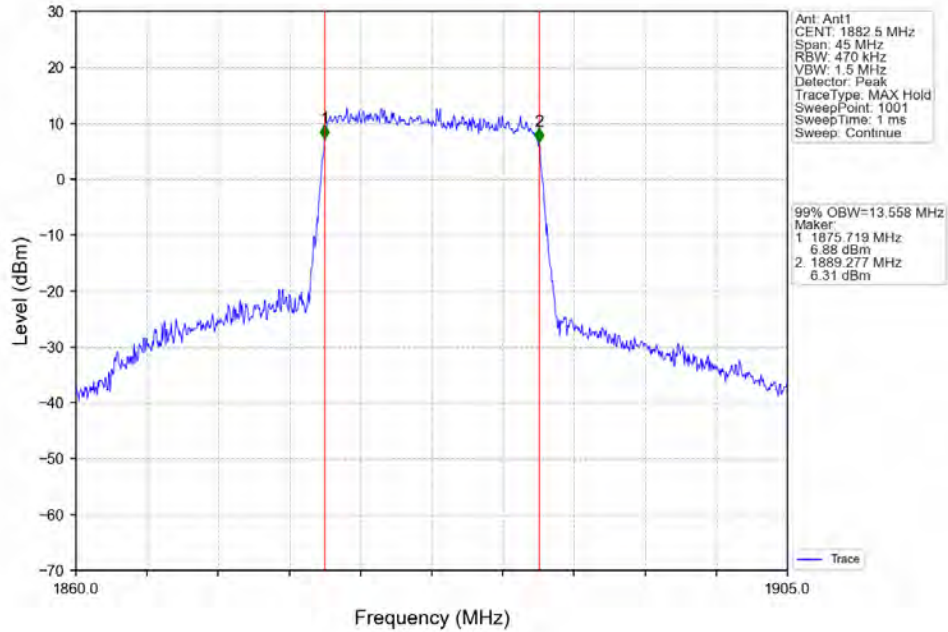
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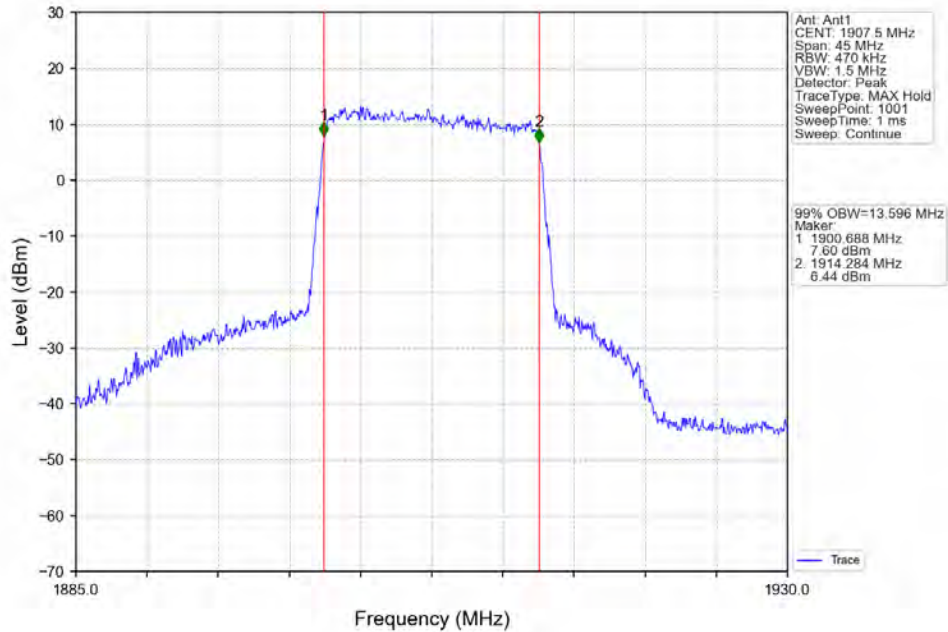
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Band25_20MHz_QPSK_LCH_1860MHz_RB_100_0_NTNV



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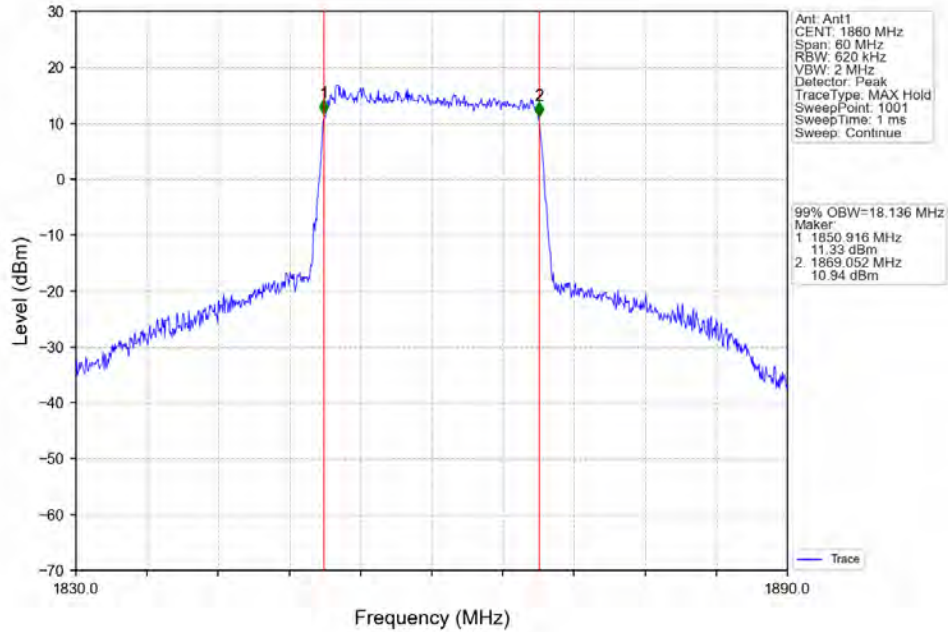
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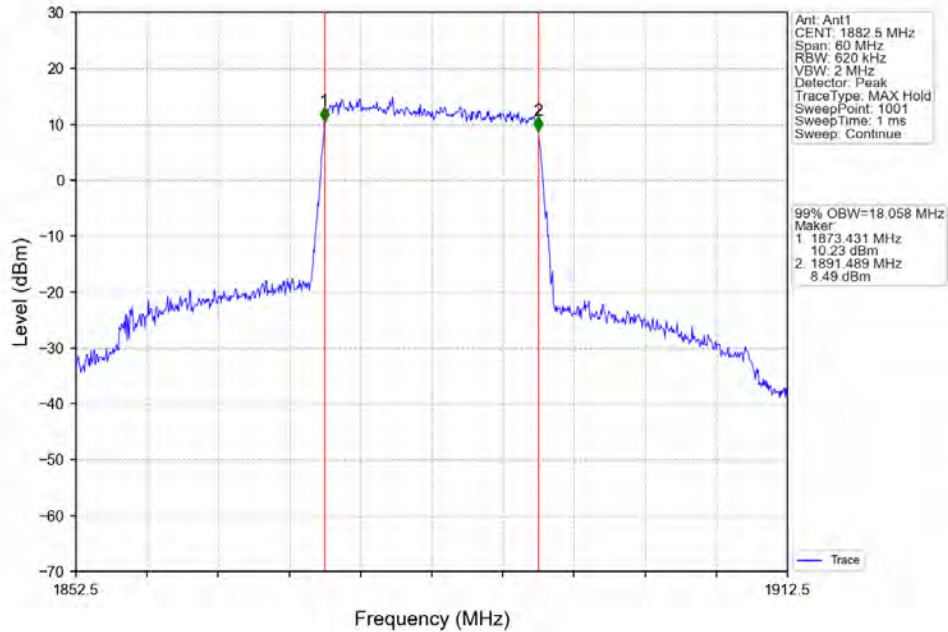
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Band25_20MHz_QPSK_HCH_1905MHz_RB_100_0_NTNV



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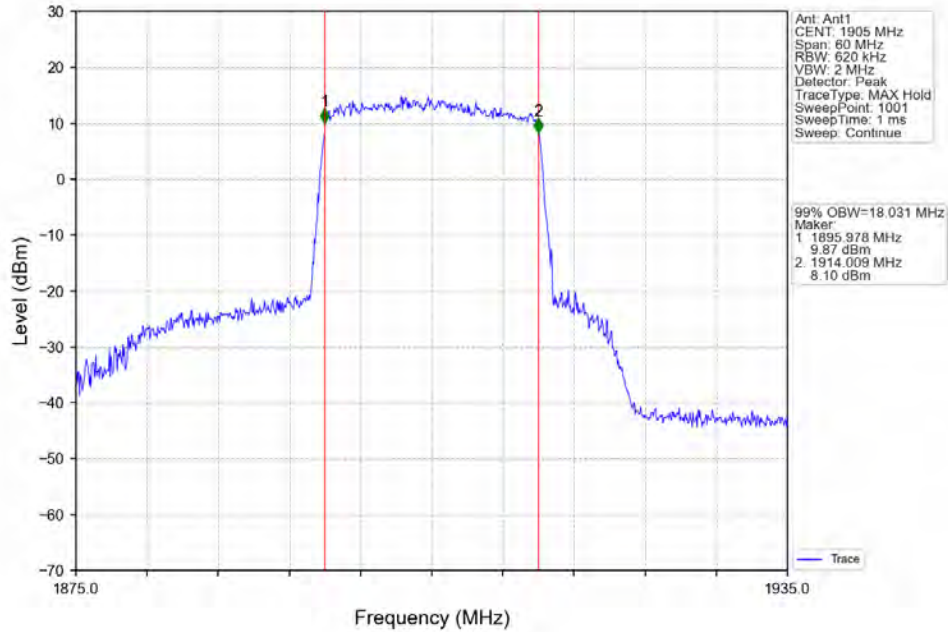
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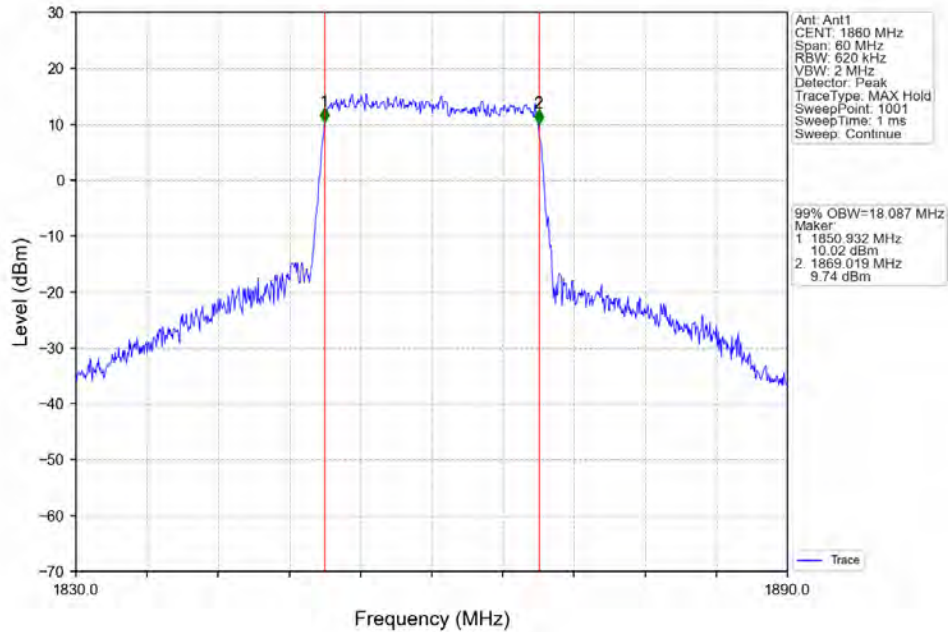
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Band25_20MHz_16QAM_MCH_1882.5MHz_RB_100_0_NTNV



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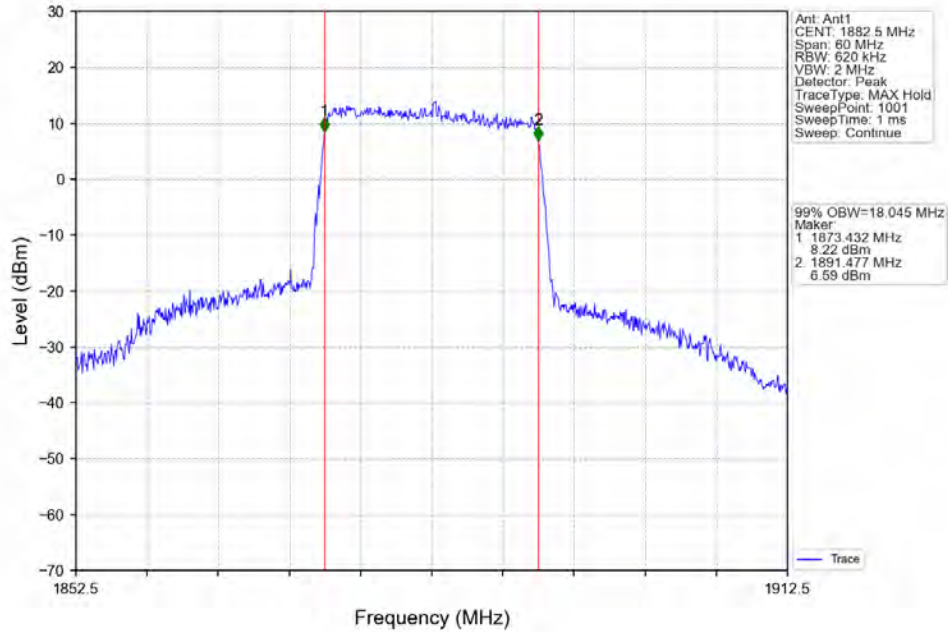
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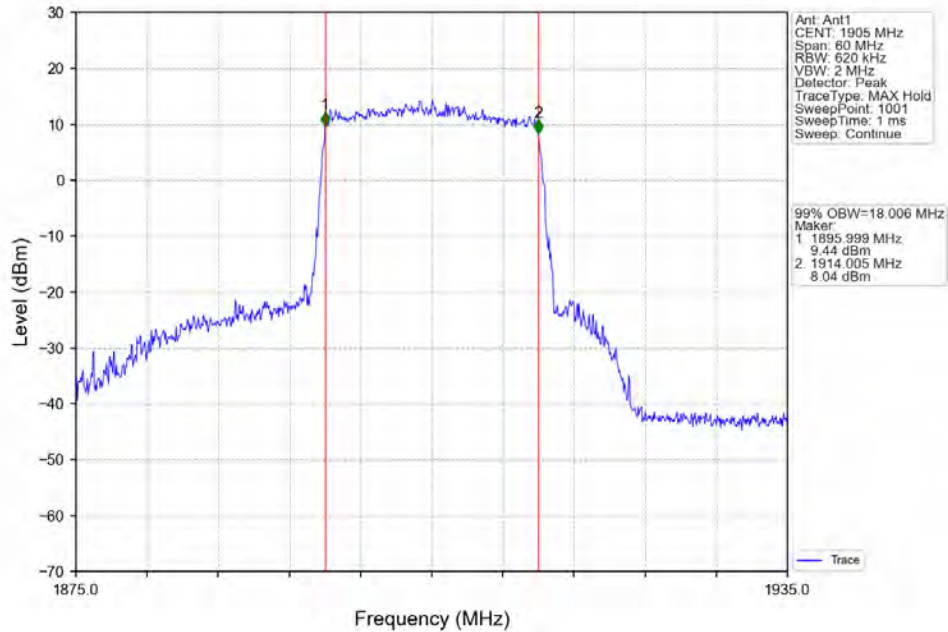
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Band25_20MHz_64QAM_LCH_1860MHz_RB_100_0_NTNV



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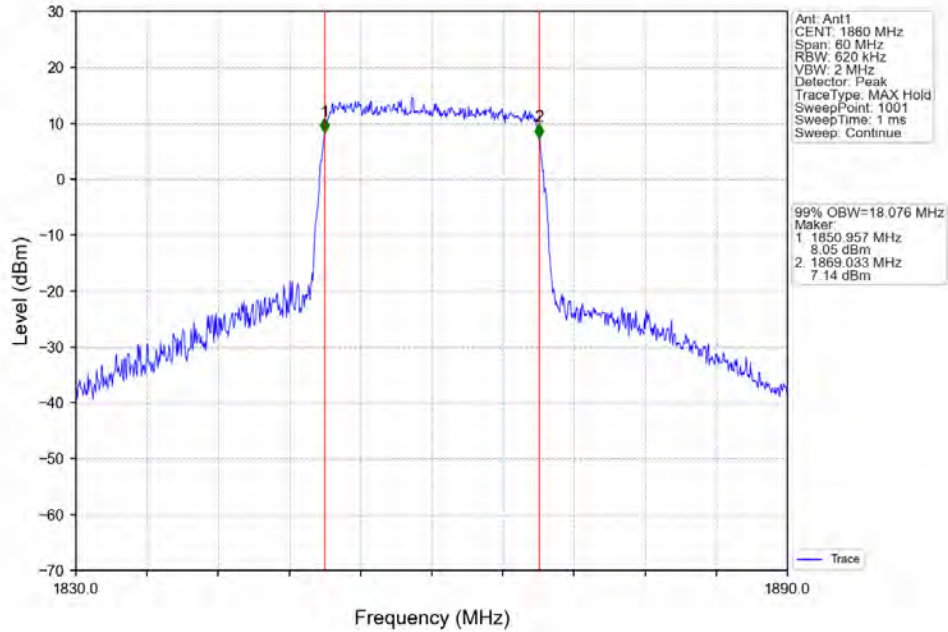
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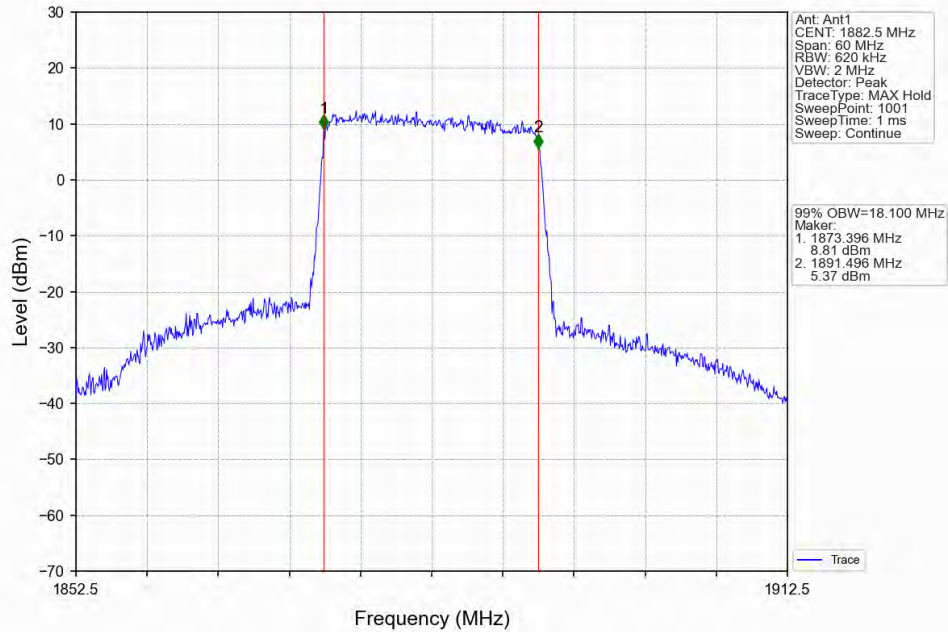
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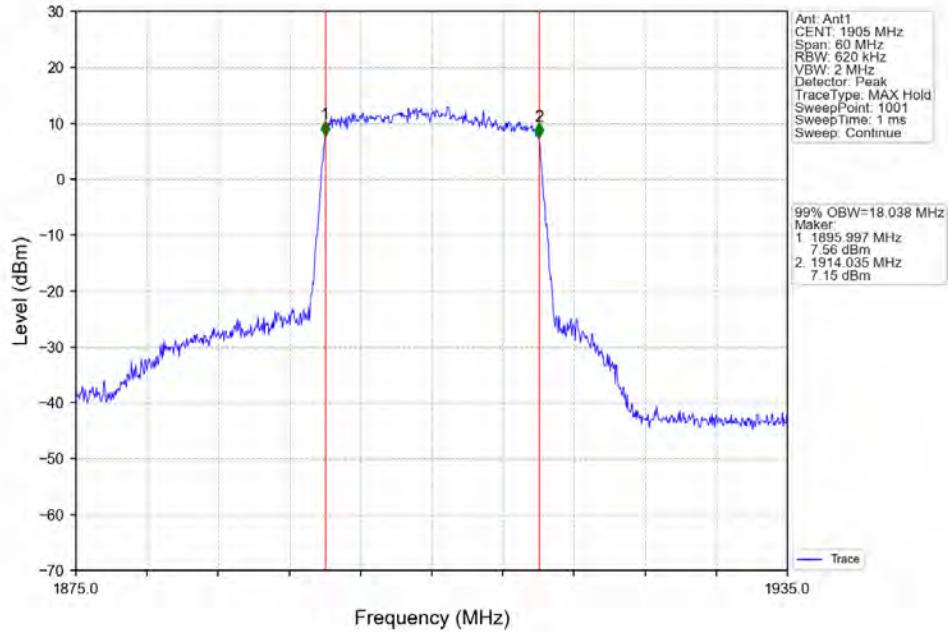
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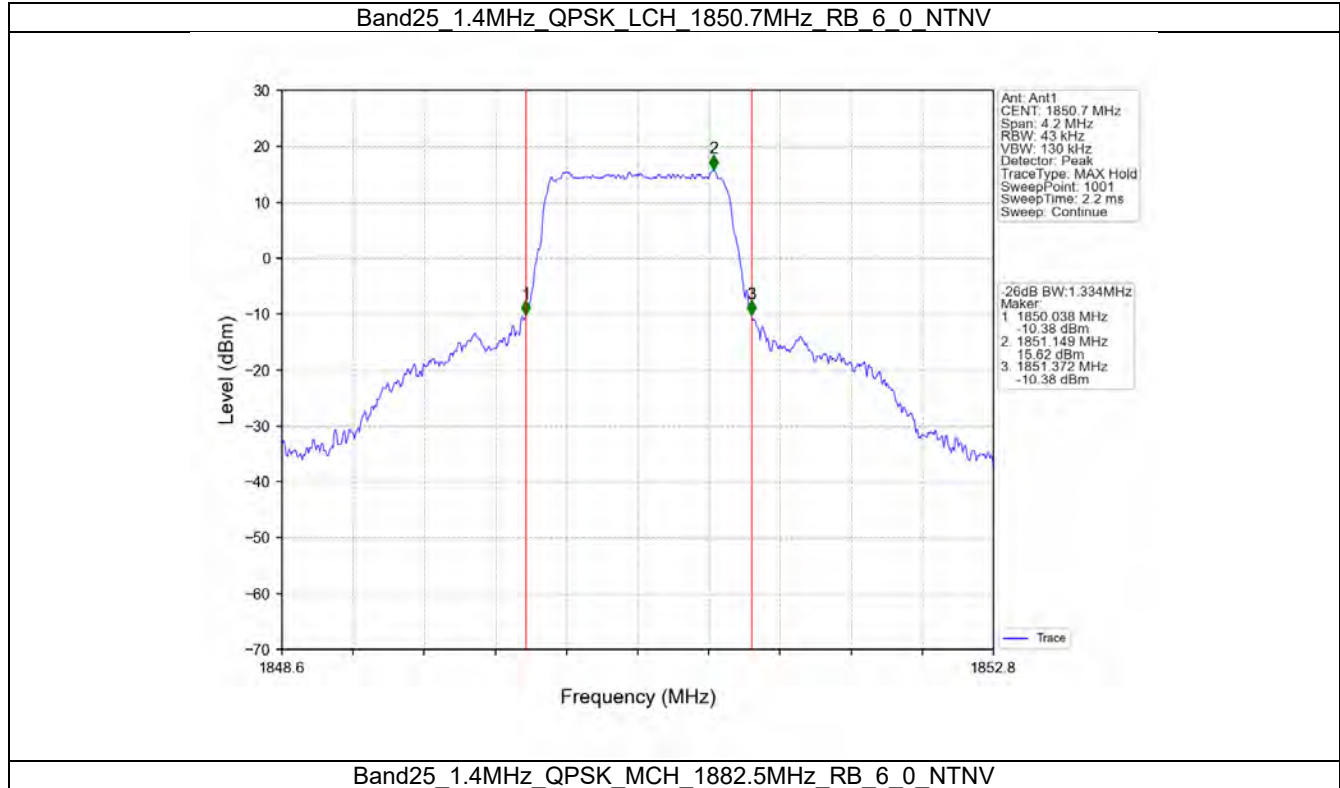
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3.2 Band25_XDB

3.2.2 Test Graph



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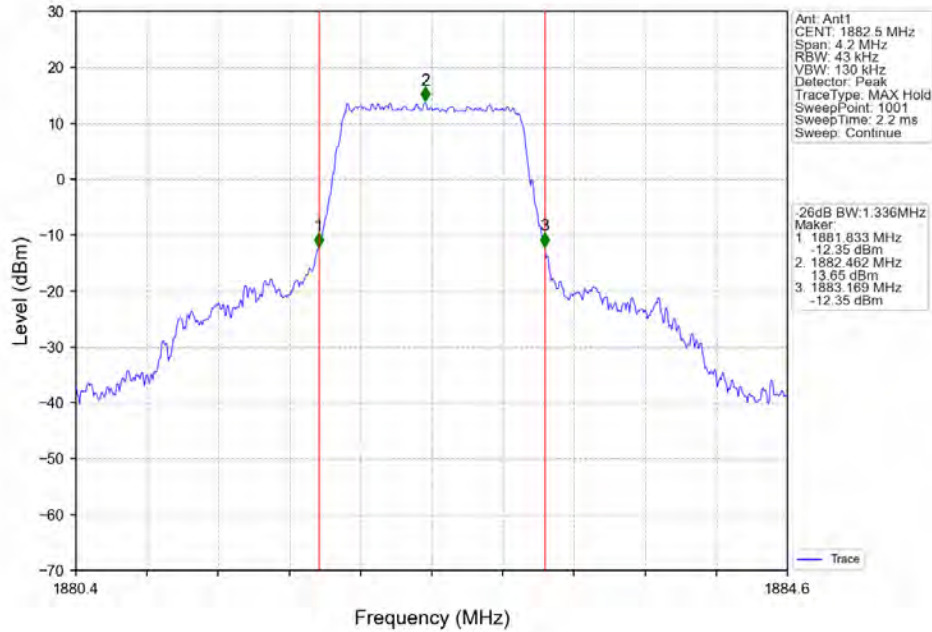
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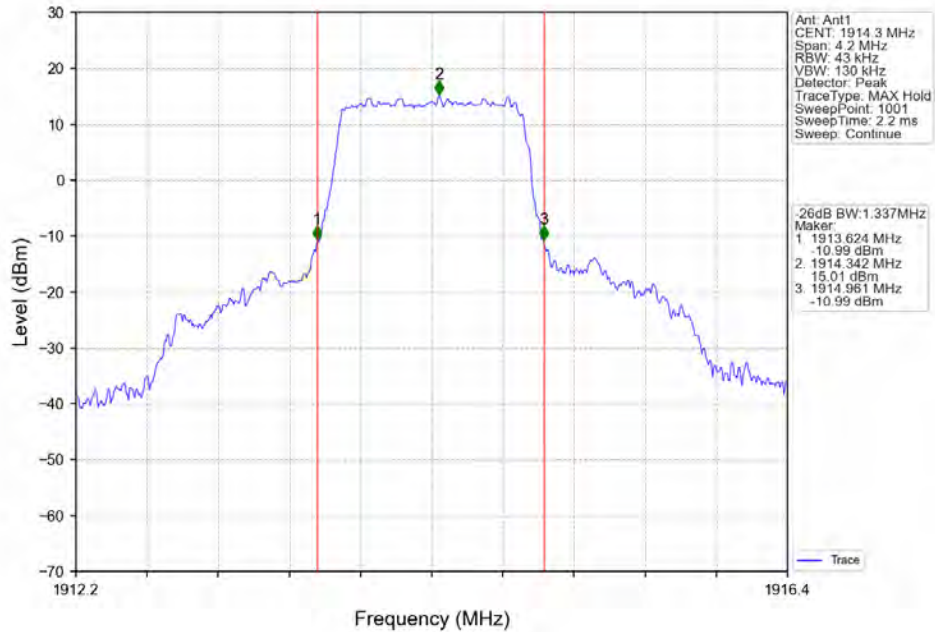
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Band25 1.4MHz QPSK HCH 1914.3MHz_RB_6_0 NTN



Band25 1.4MHz 16QAM LCH 1850.7MHz_RB_6_0 NTN



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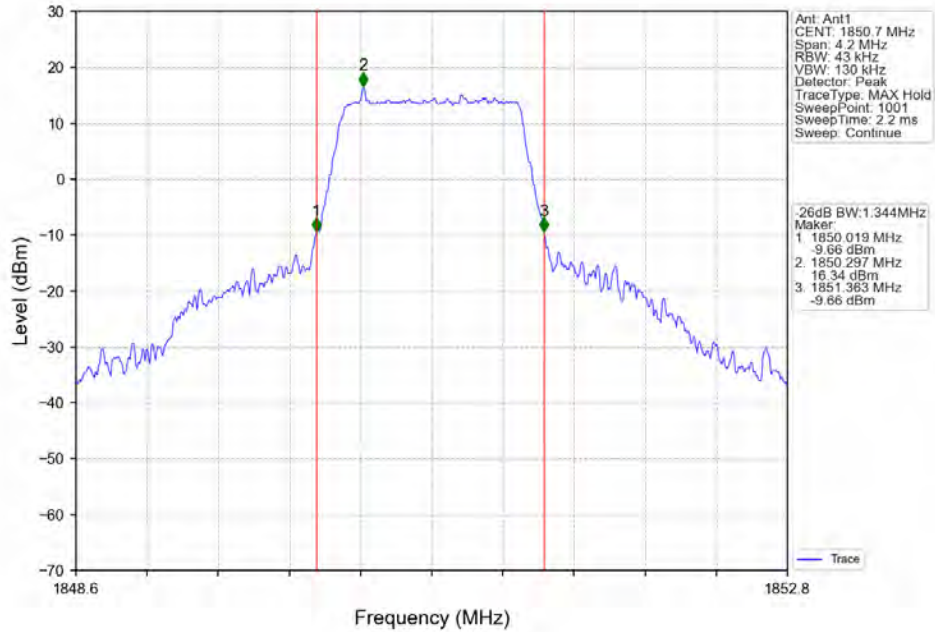
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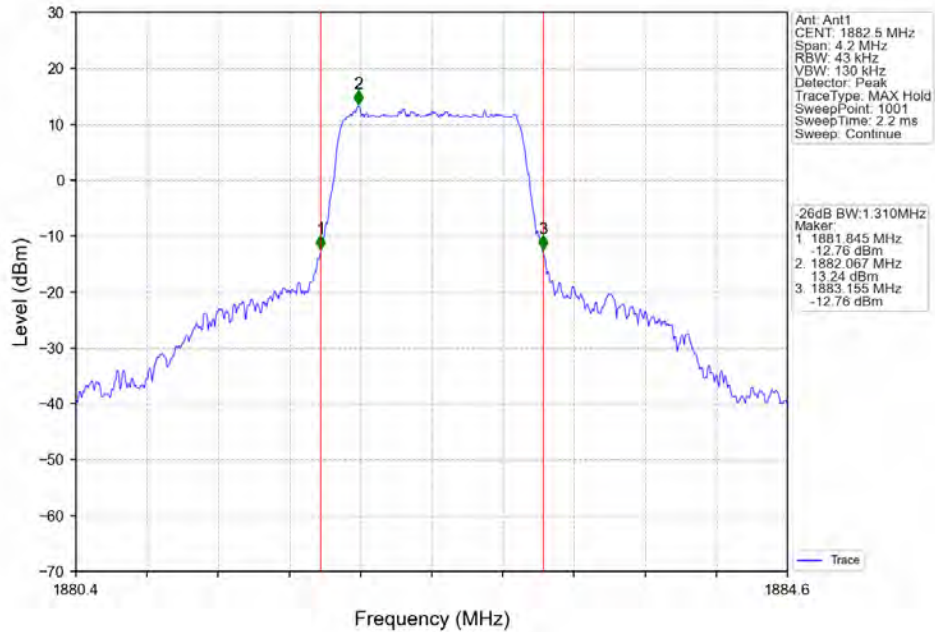
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Band25_1.4MHz_16QAM_HCH_1914.3MHz_RB_6_0_NTNV



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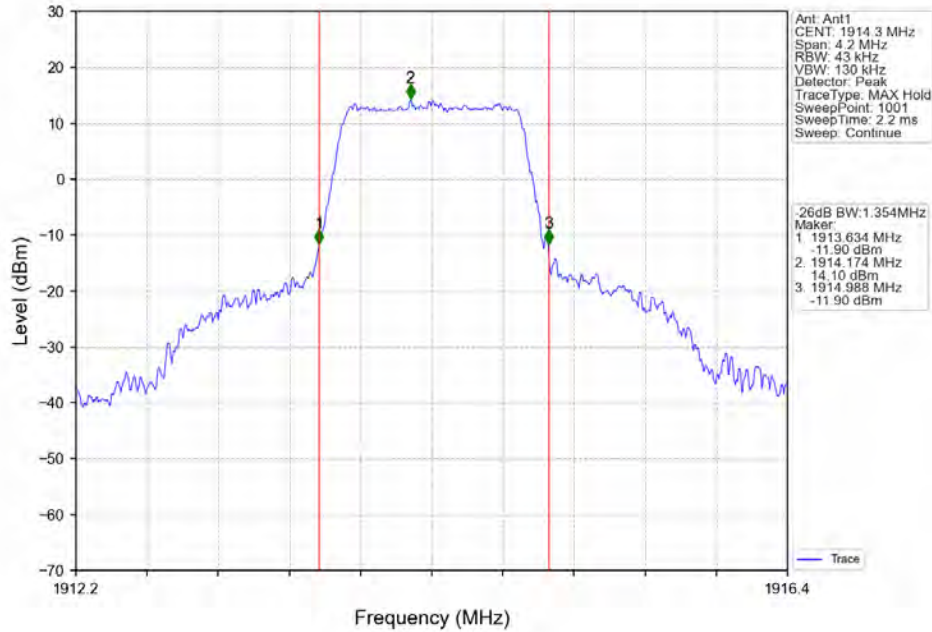
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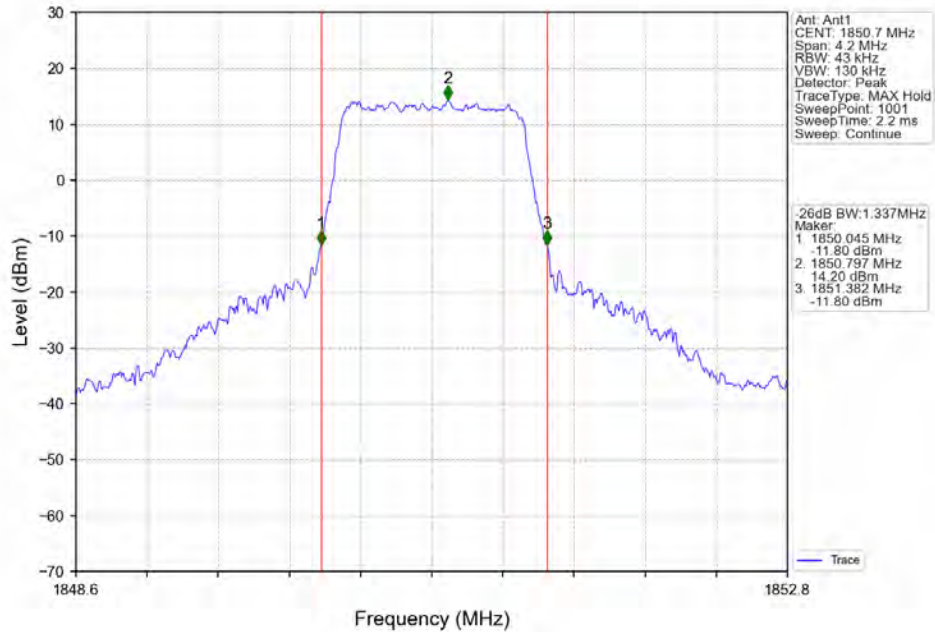
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Band25_1.4MHz_64QAM_MCH_1882.5MHz_RB_6_0_NTNV



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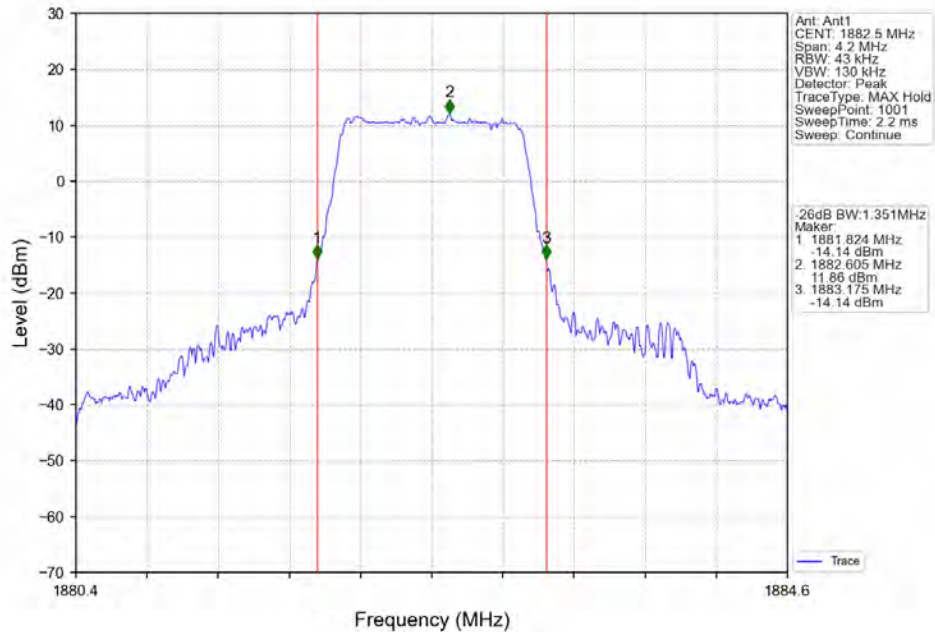
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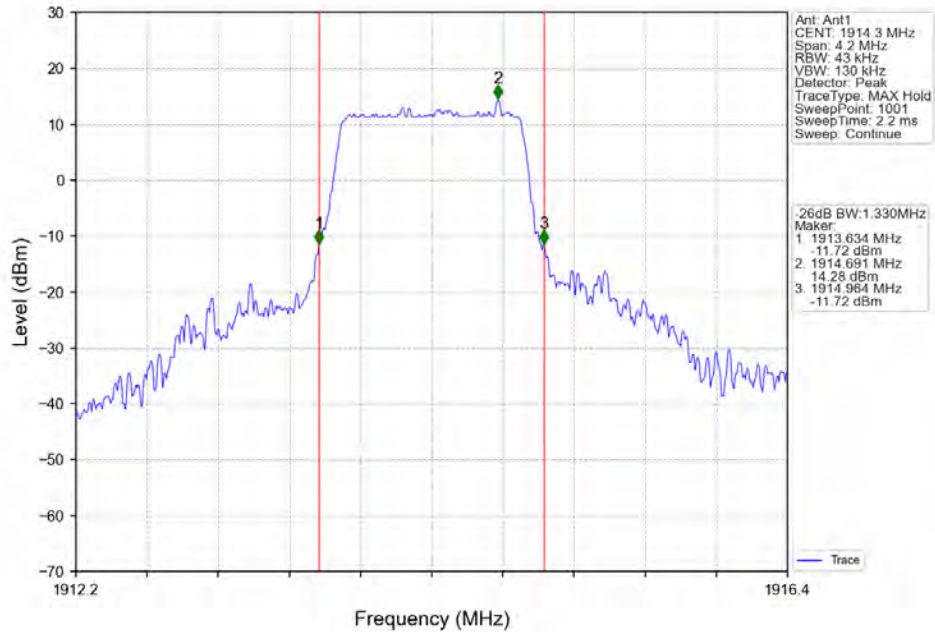
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Band25_3MHz_QPSK_LCH_1851.5MHz_RB_15_0_NTNV



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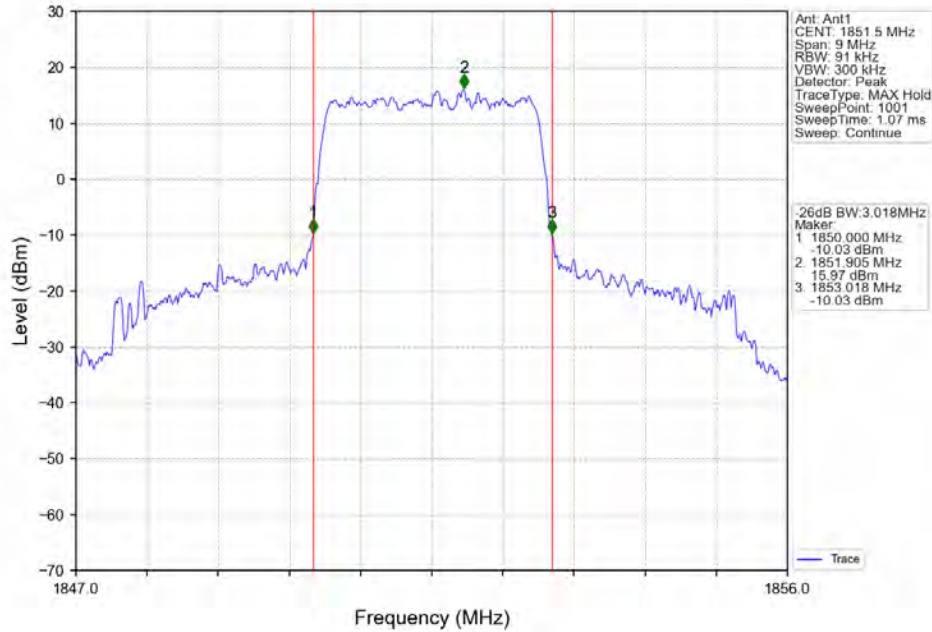
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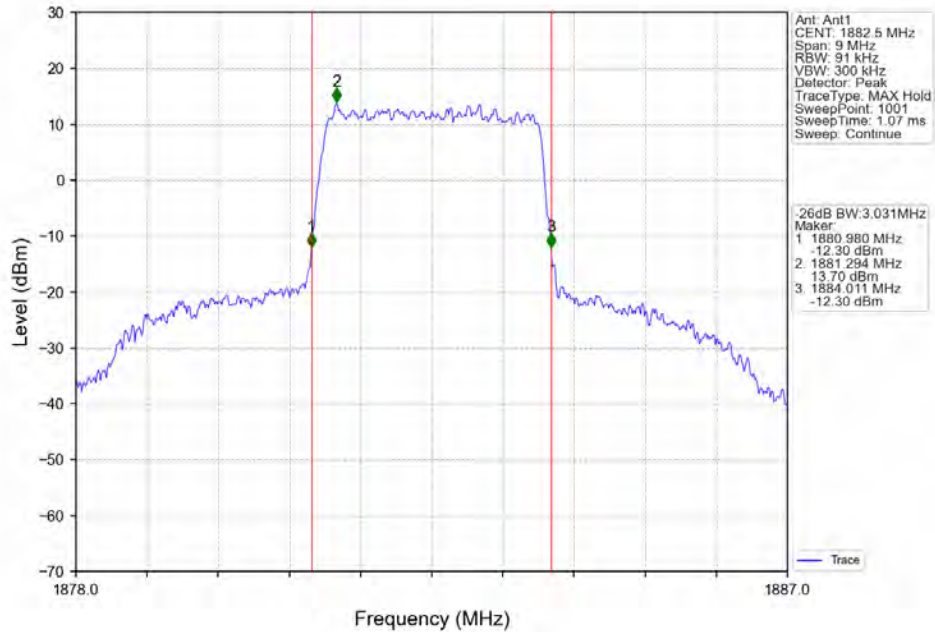
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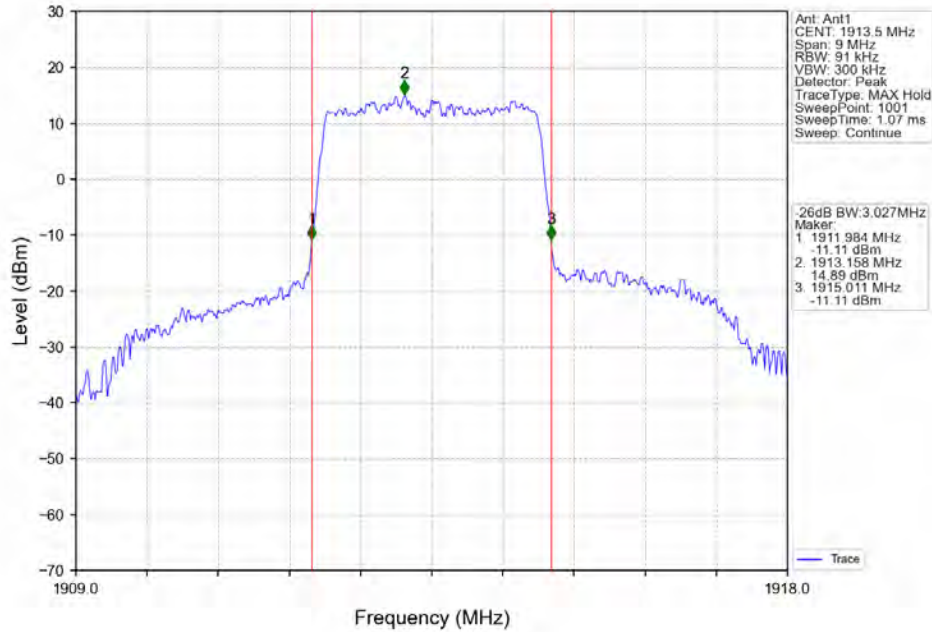
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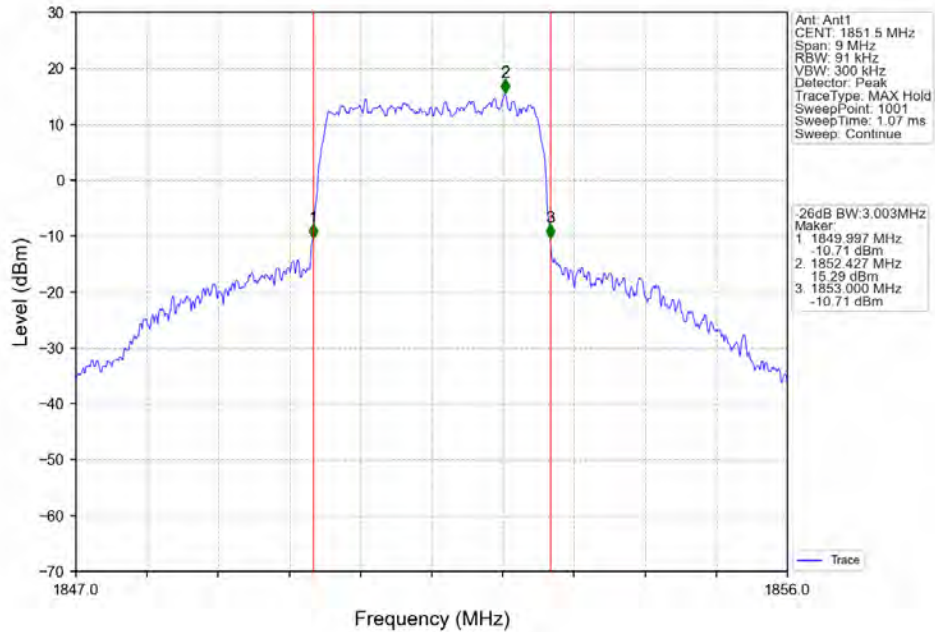
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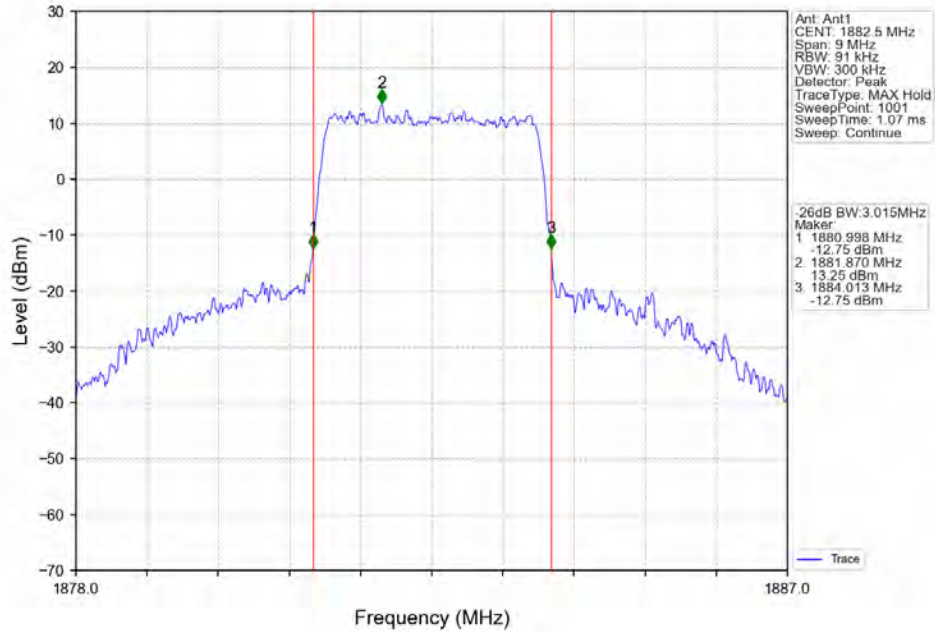
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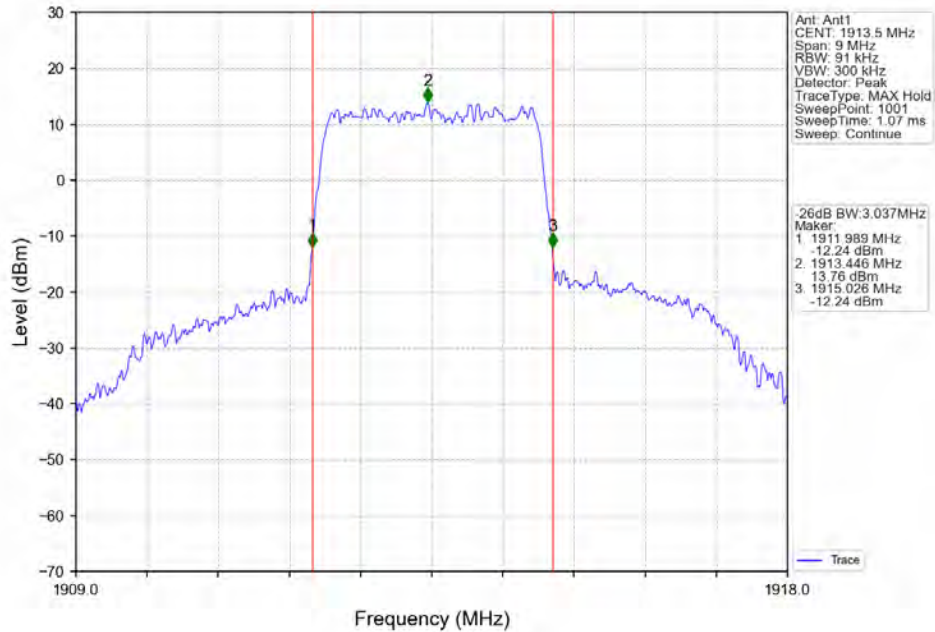
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Band25_3MHz_64QAM_LCH_1851.5MHz_RB_15_0_NTNV



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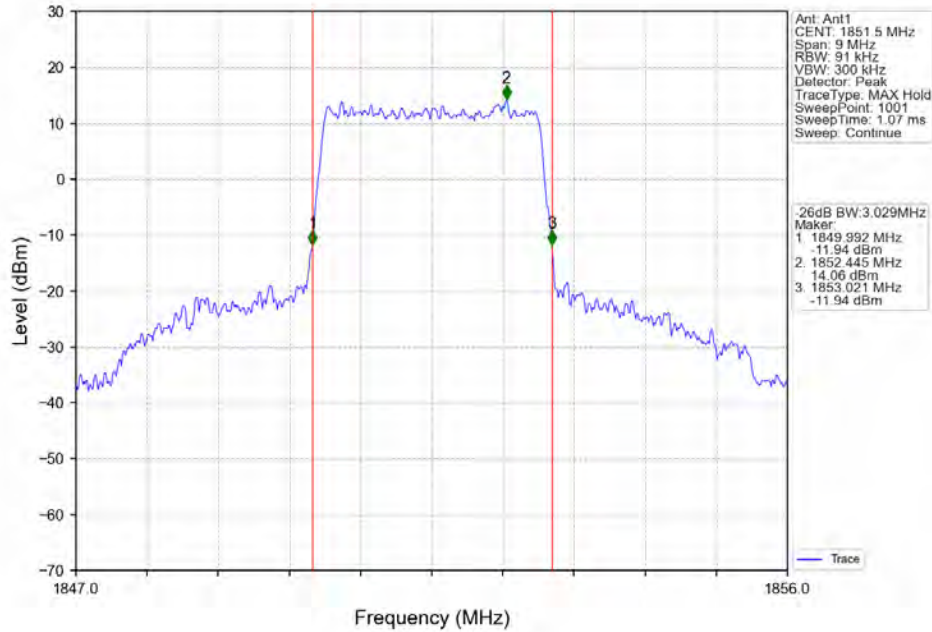
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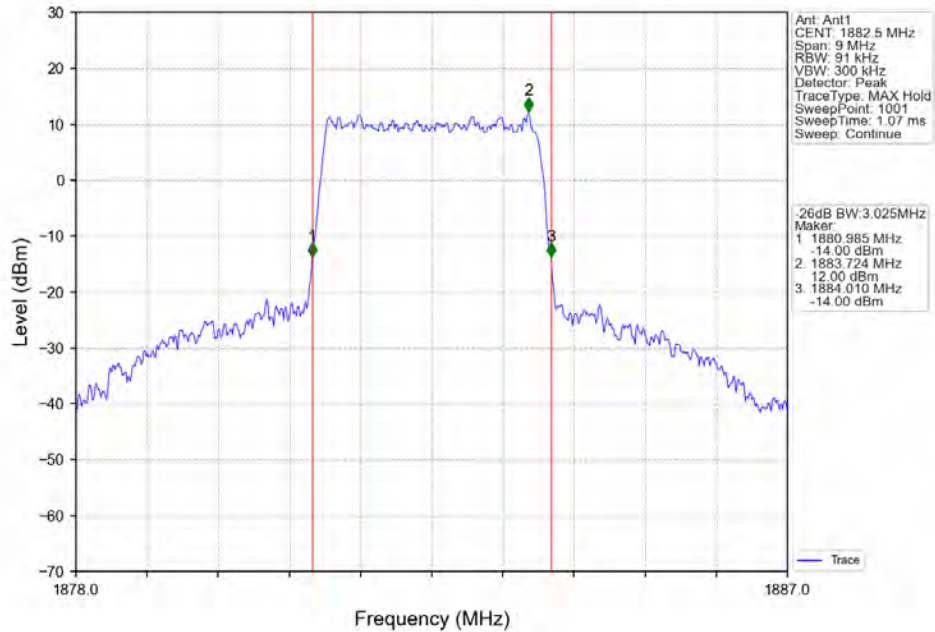
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Band25_3MHz_64QAM_HCH_1913.5MHz_RB_15_0_NTNV



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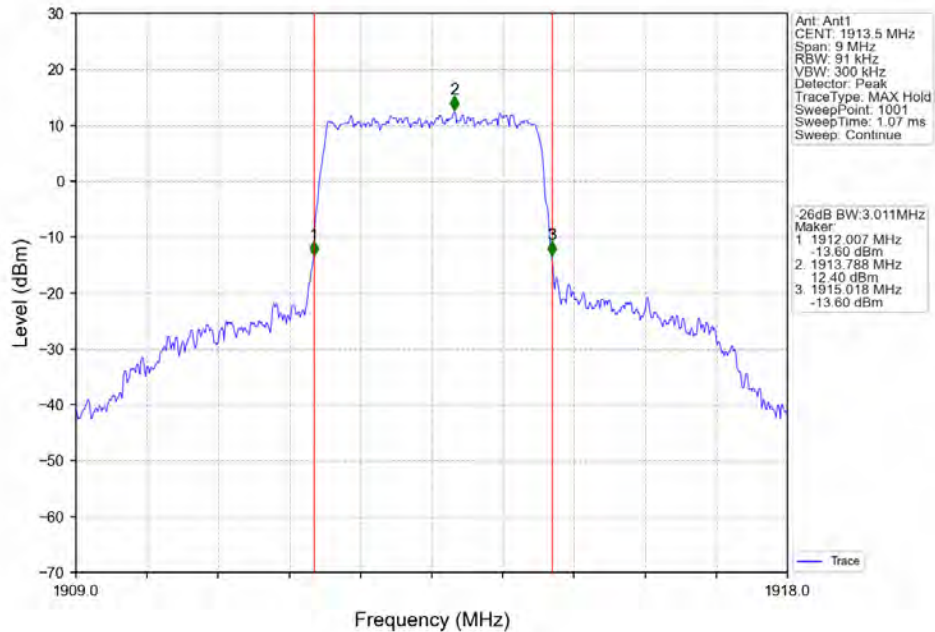
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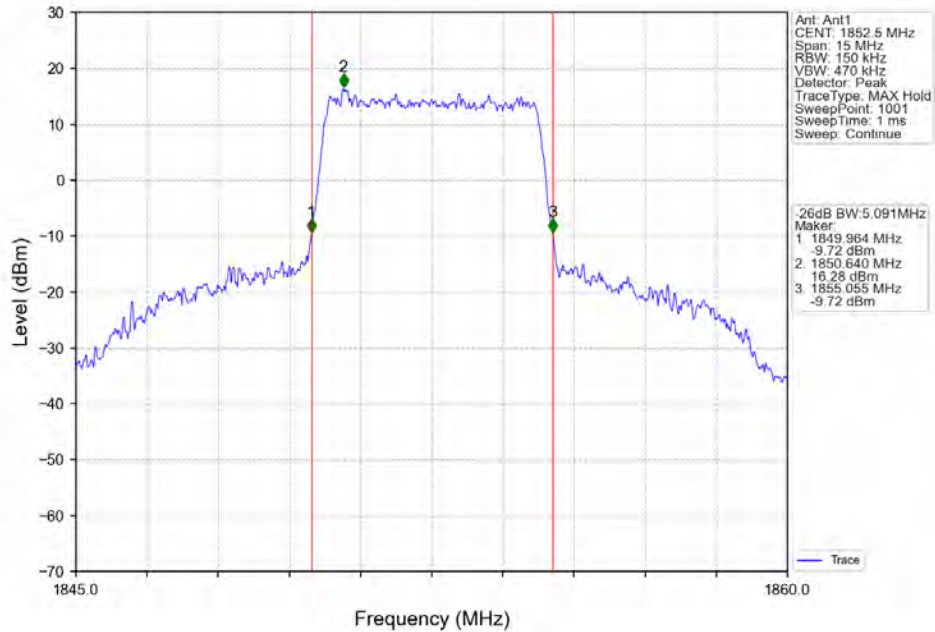
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Band25_5MHz_QPSK_MCH_1882.5MHz_RB_25_0_NTNV



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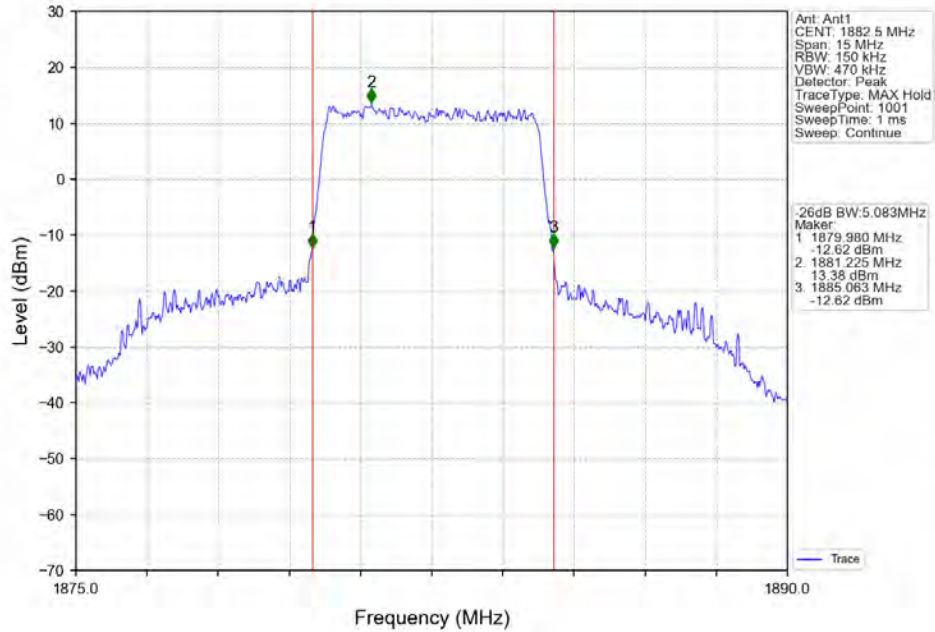
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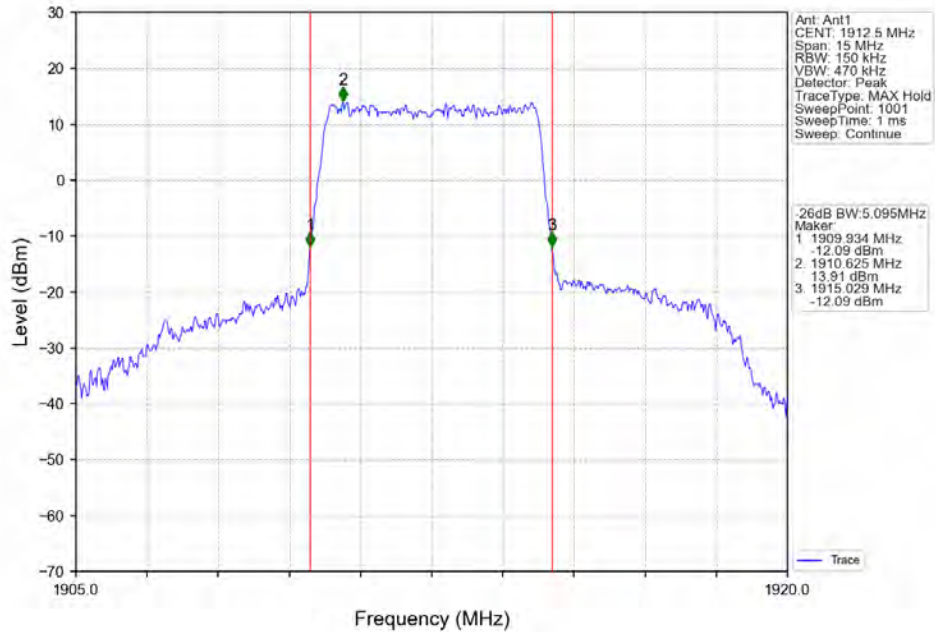
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Band25_5MHz_16QAM_LCH_1852.5MHz_RB_25_0_NTNV



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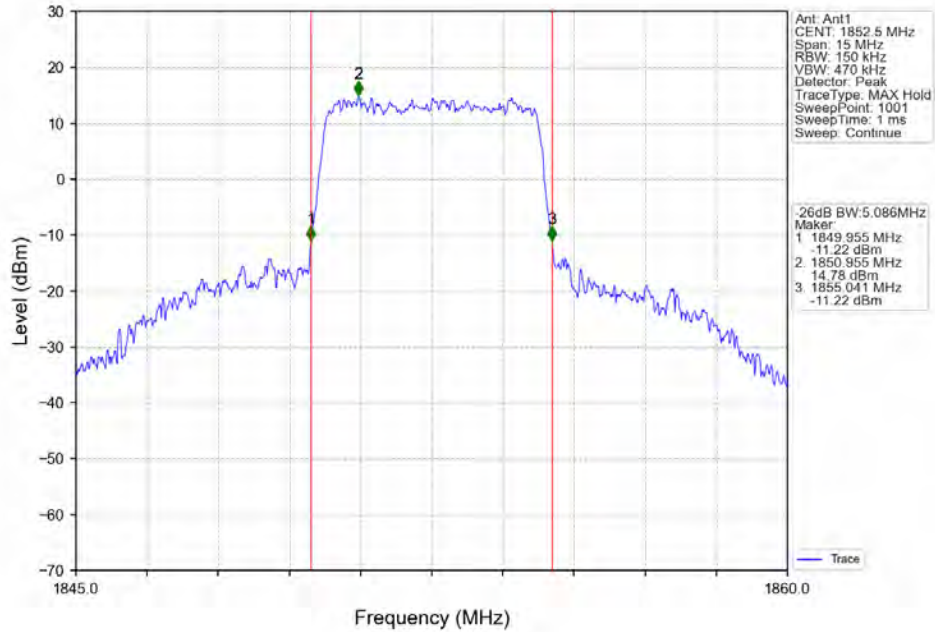
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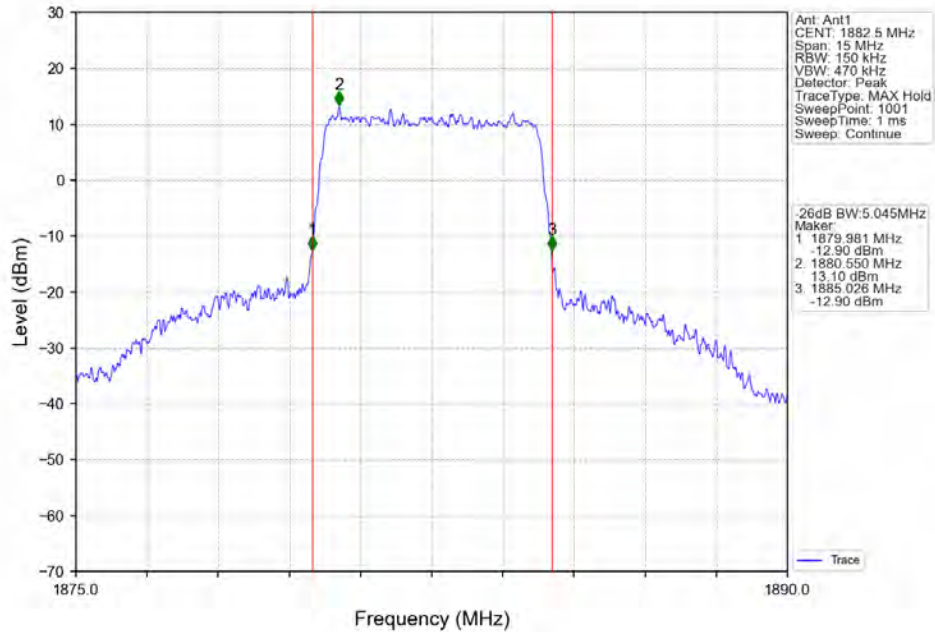
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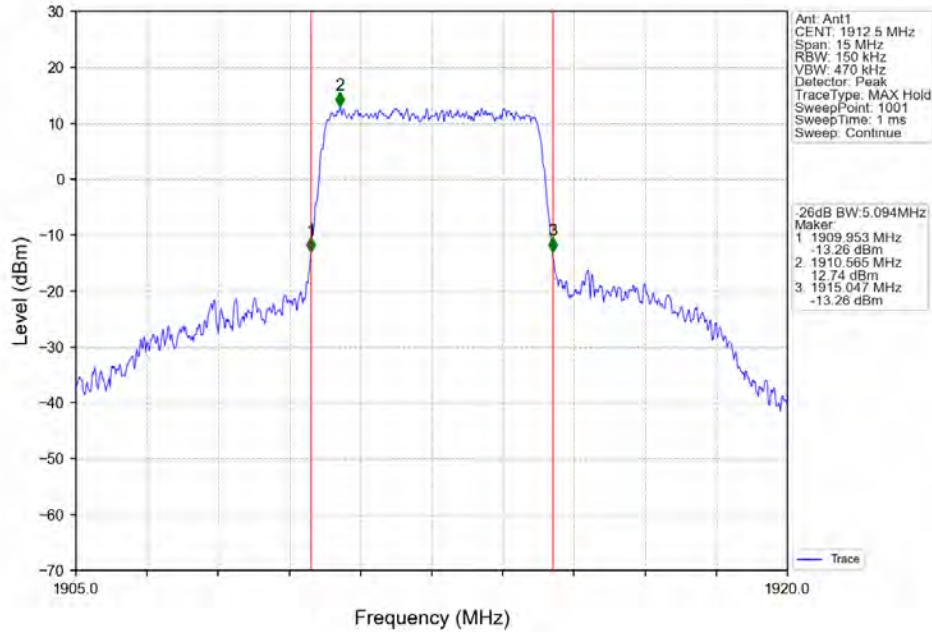
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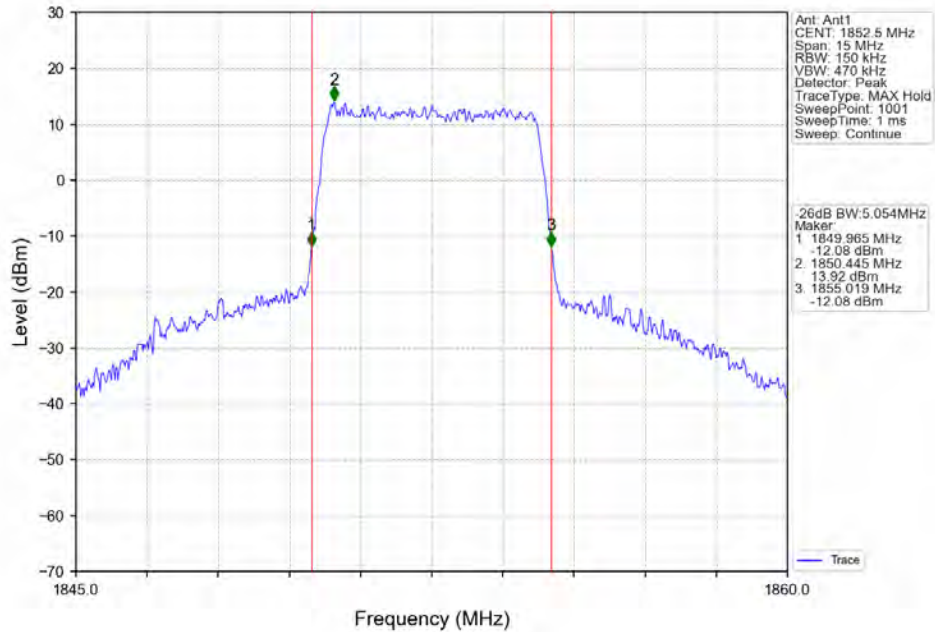
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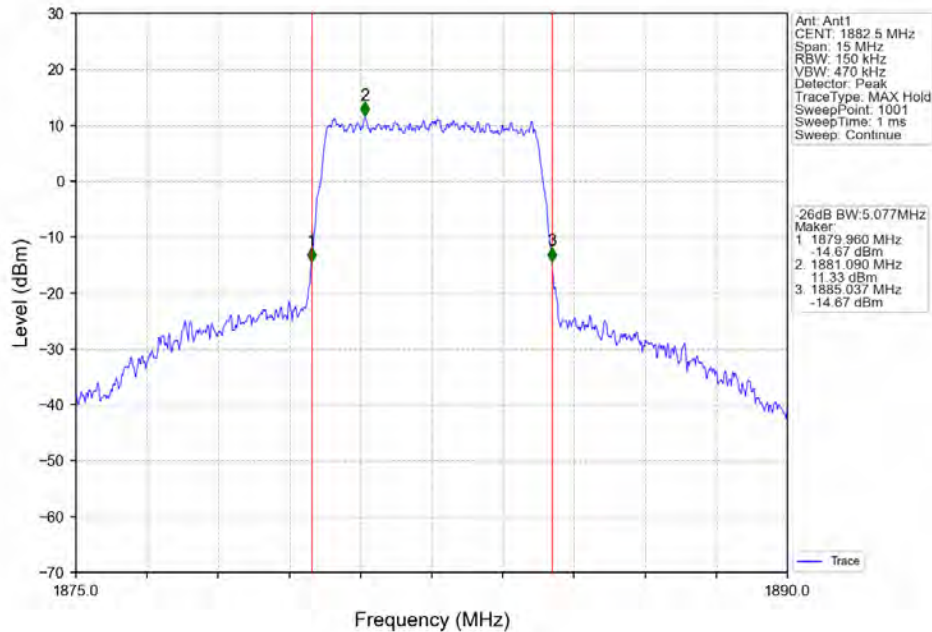
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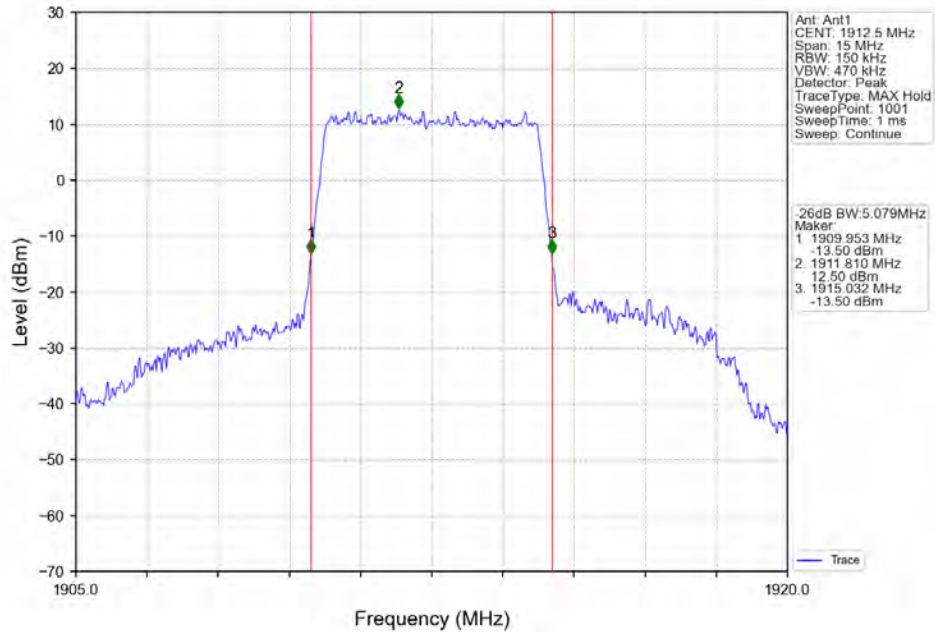
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Band25_10MHz_QPSK_LCH_1855MHz_RB_50_0_NTNV



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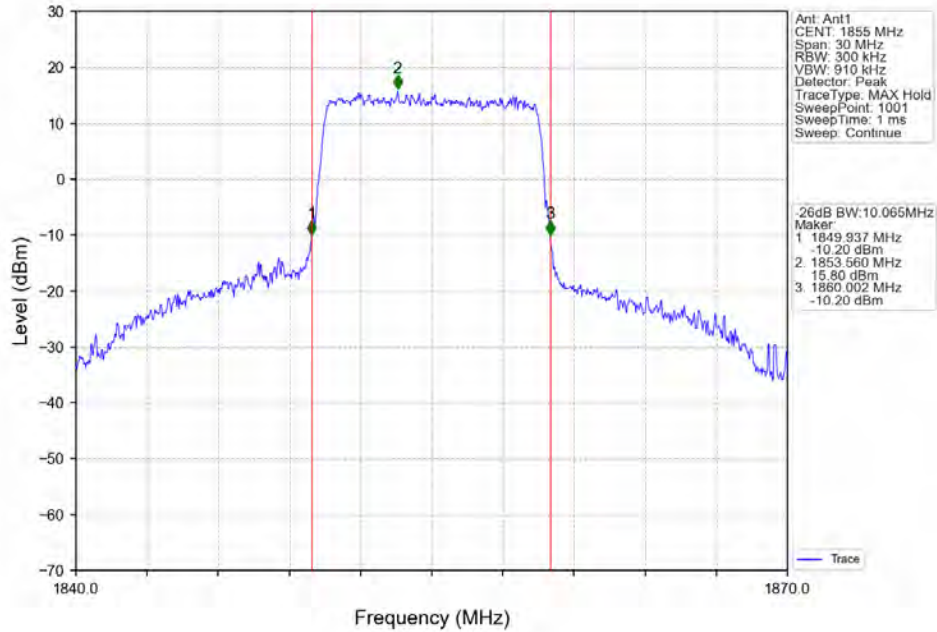
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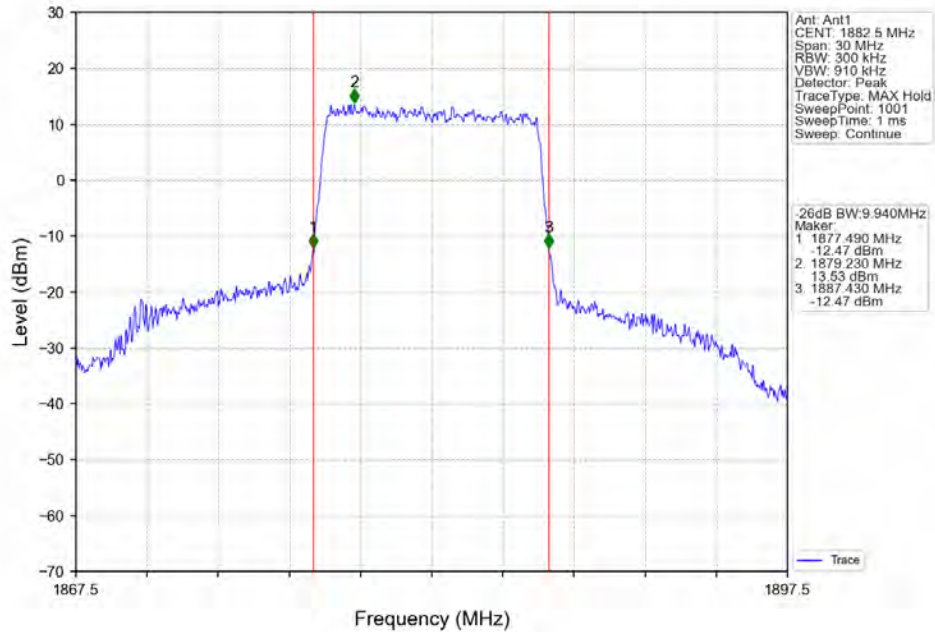
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Band25_10MHz_QPSK_MCH_1882.5MHz_RB_50_0_NTNV



Band25_10MHz_QPSK_HCH_1910MHz_RB_50_0_NTNV



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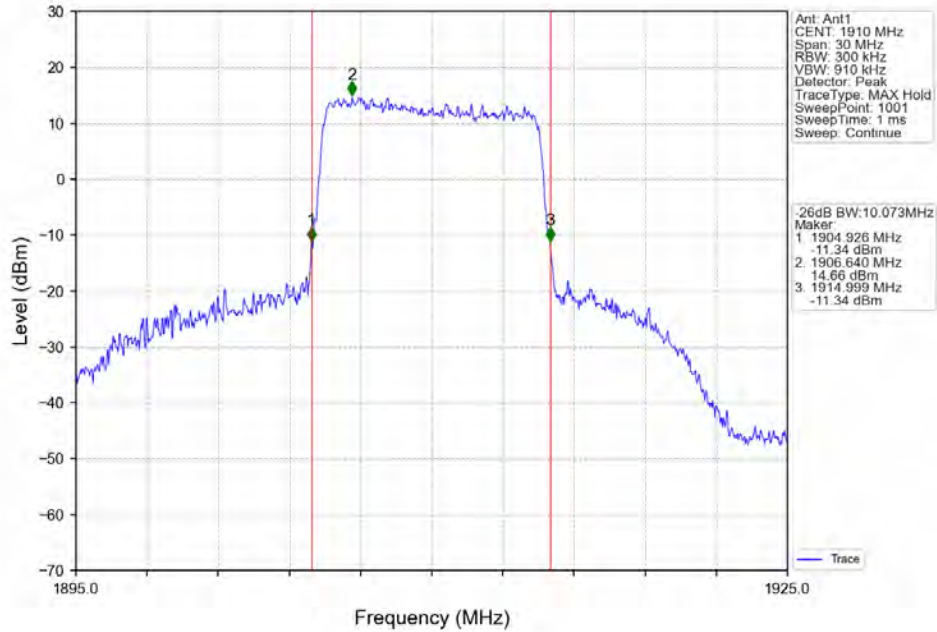
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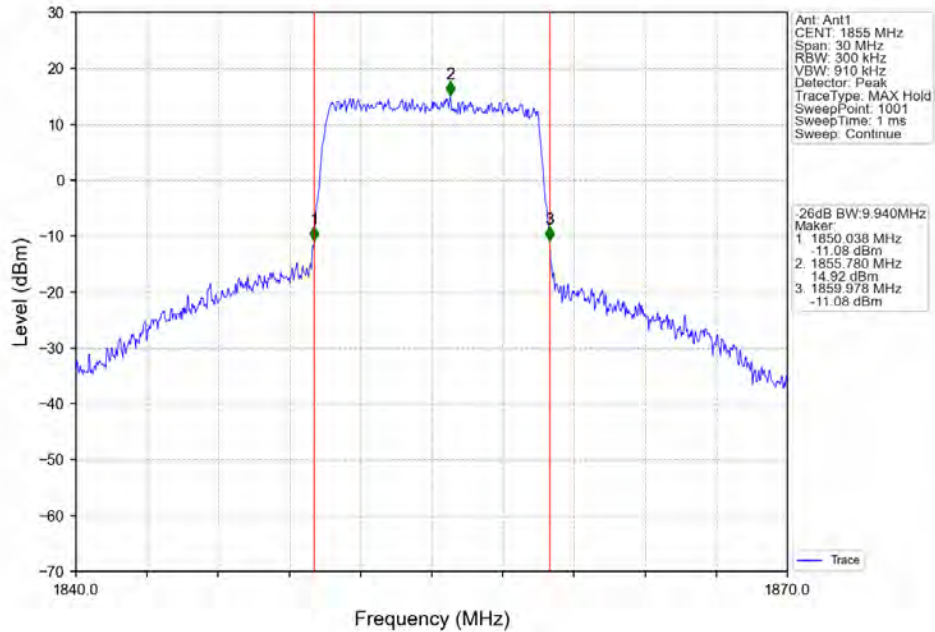
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Band25_10MHz_16QAM_MCH_1882.5MHz_RB_50_0_NTNV



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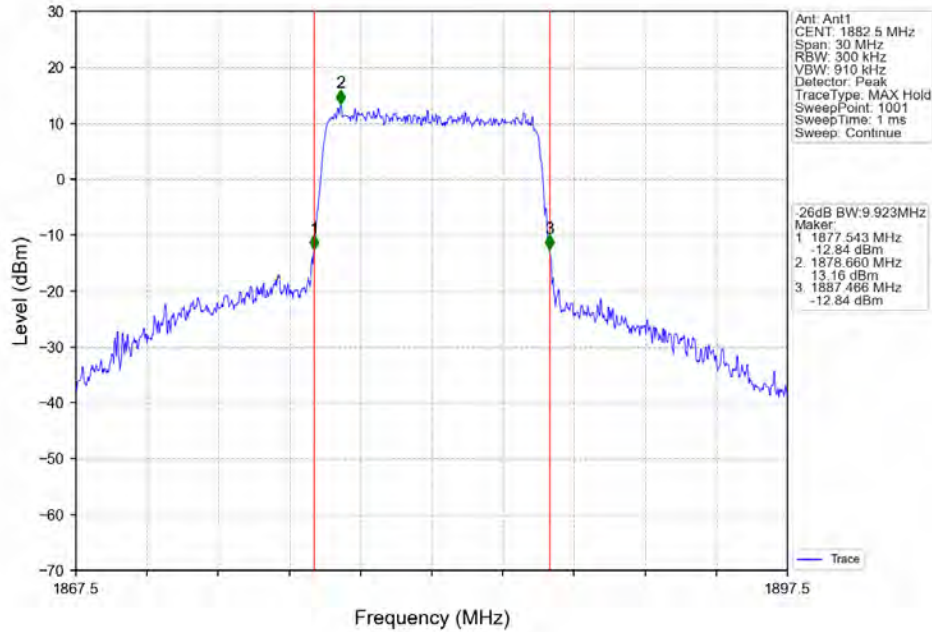
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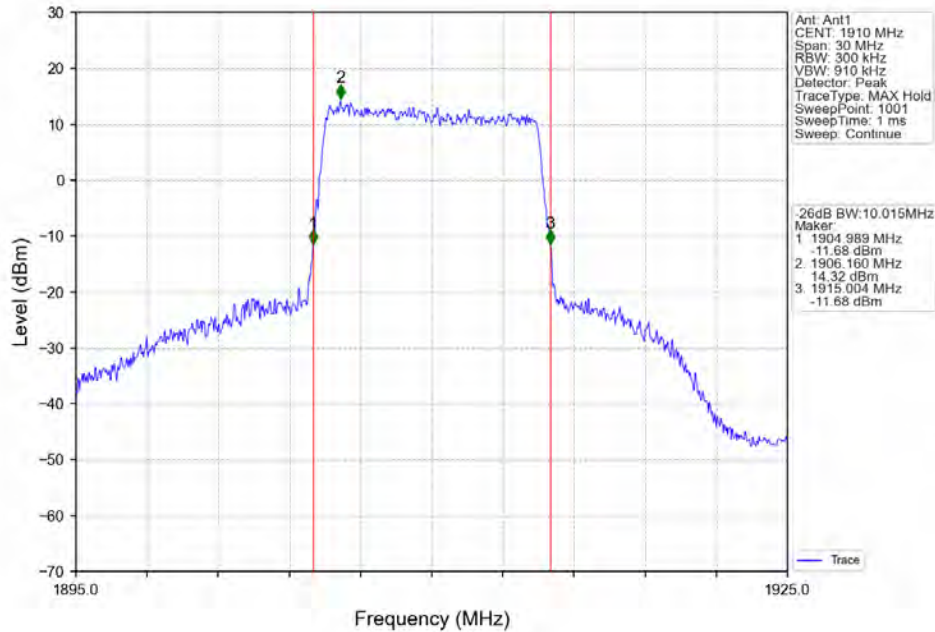
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Band25_10MHz_64QAM_LCH_1855MHz_RB_50_0_NTNV



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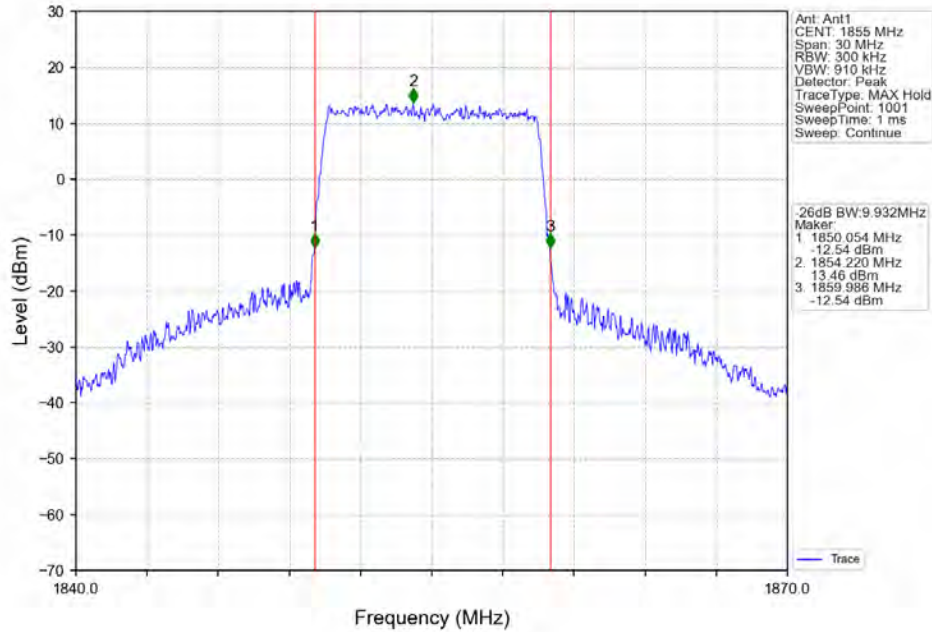
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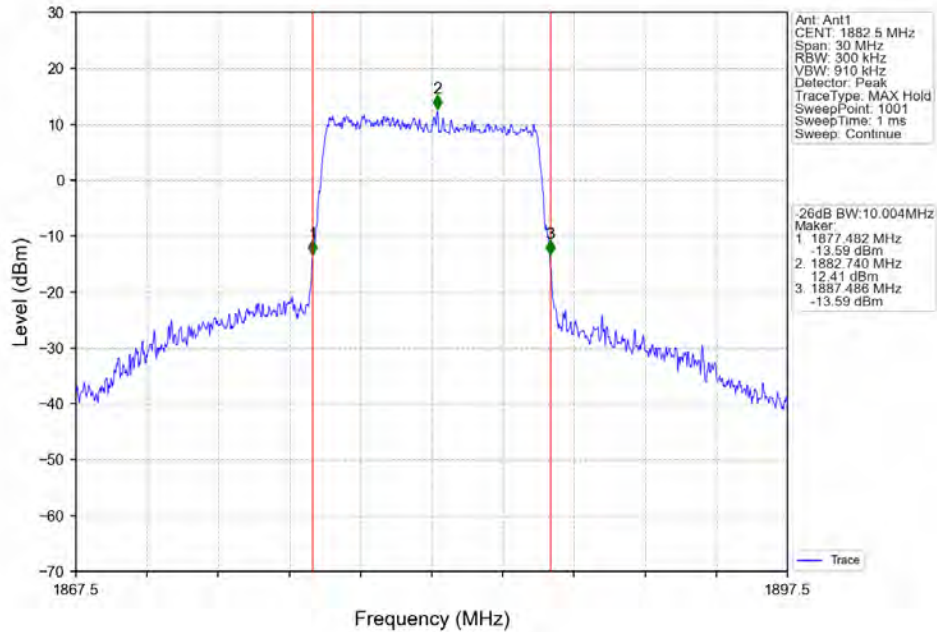
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Band25_10MHz_64QAM_HCH_1910MHz_RB_50_0_NTNV



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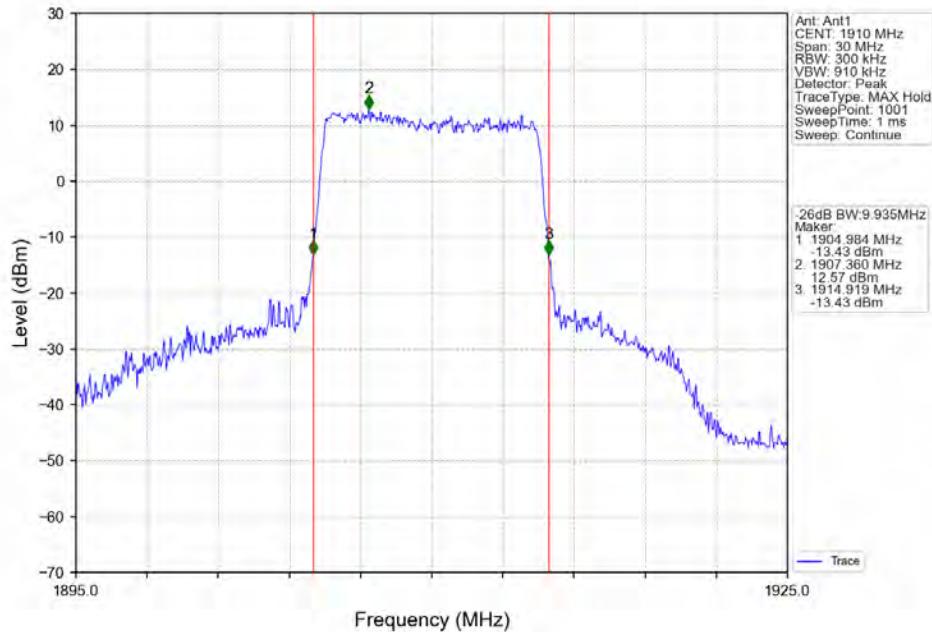
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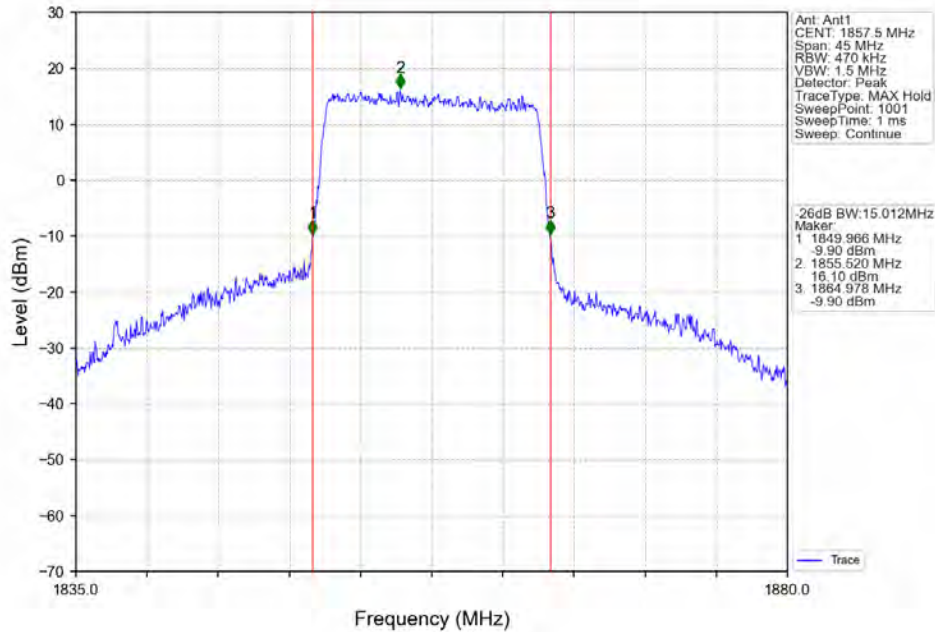
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Band25_15MHz_QPSK_LCH_1857.5MHz_RB_75_0_NTNV



Band25_15MHz_QPSK_MCH_1882.5MHz_RB_75_0_NTNV



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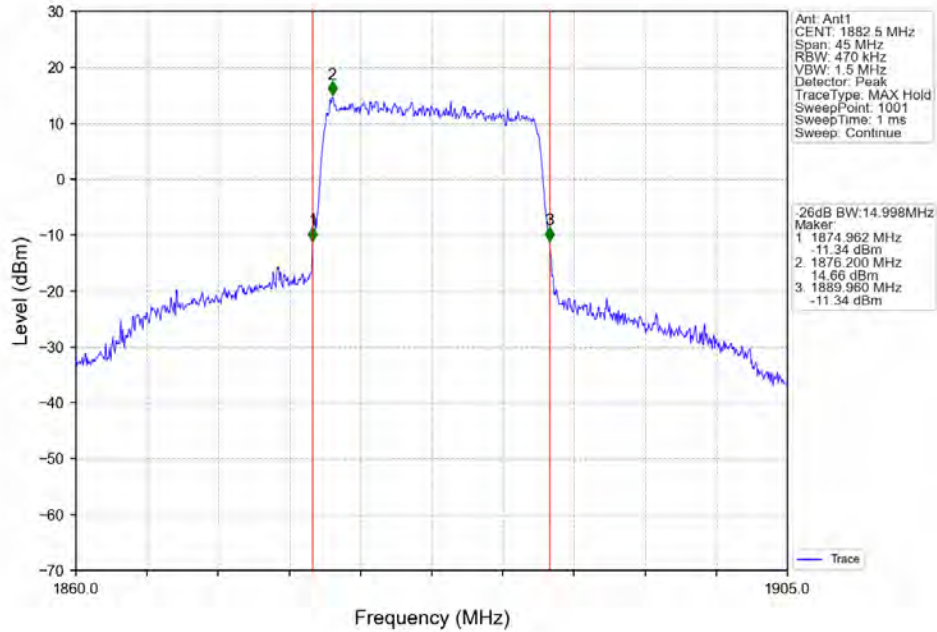
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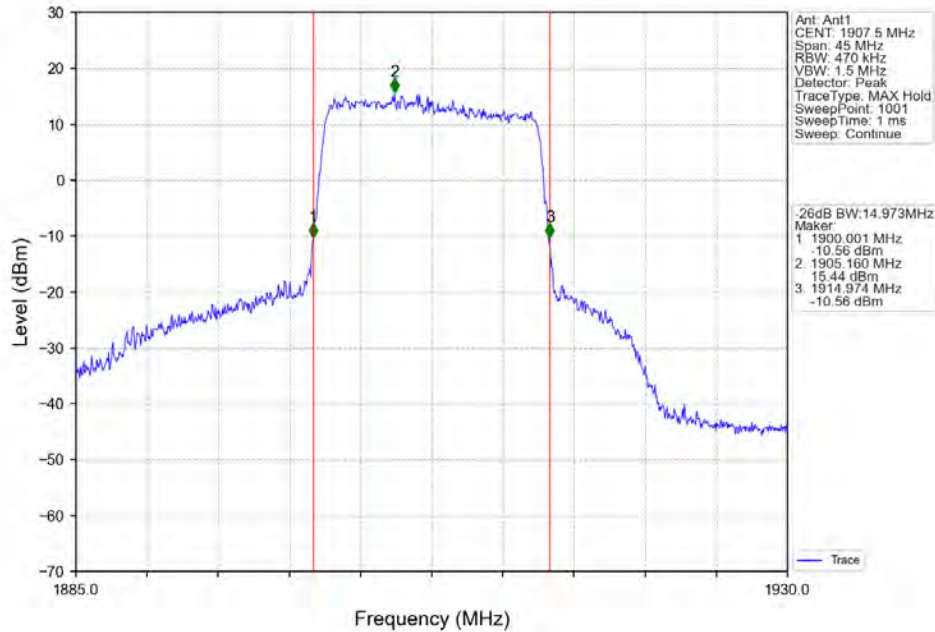
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Band25_15MHz_16QAM_LCH_1857.5MHz_RB_75_0_NTNV



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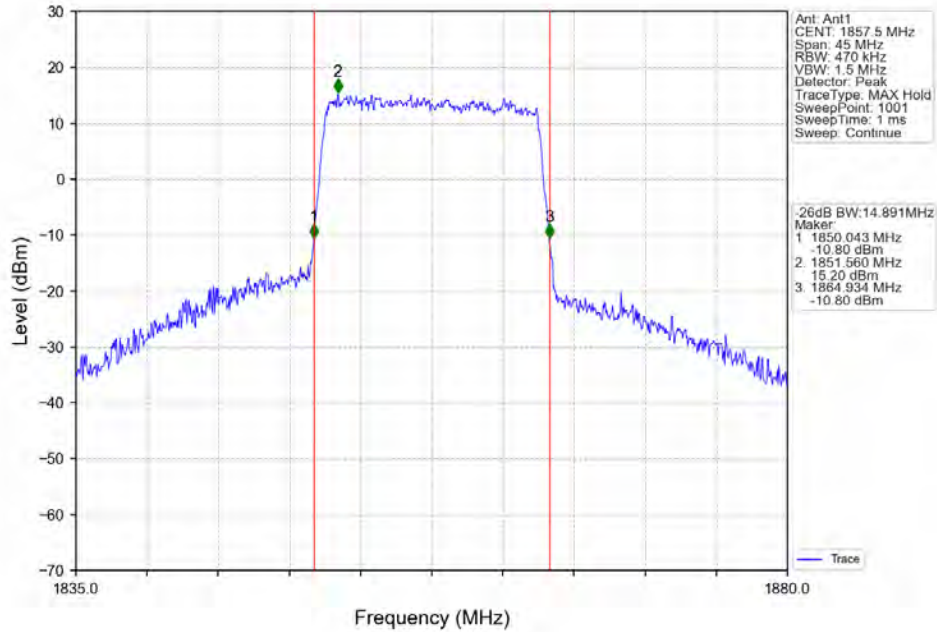
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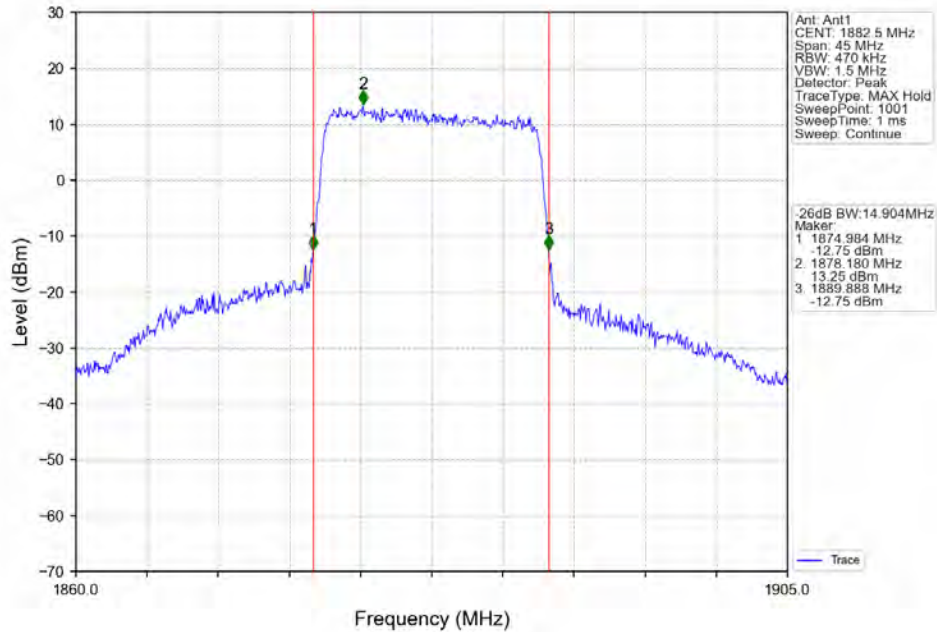
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Band25_15MHz_16QAM_HCH_1907.5MHz_RB_75_0_NTNV



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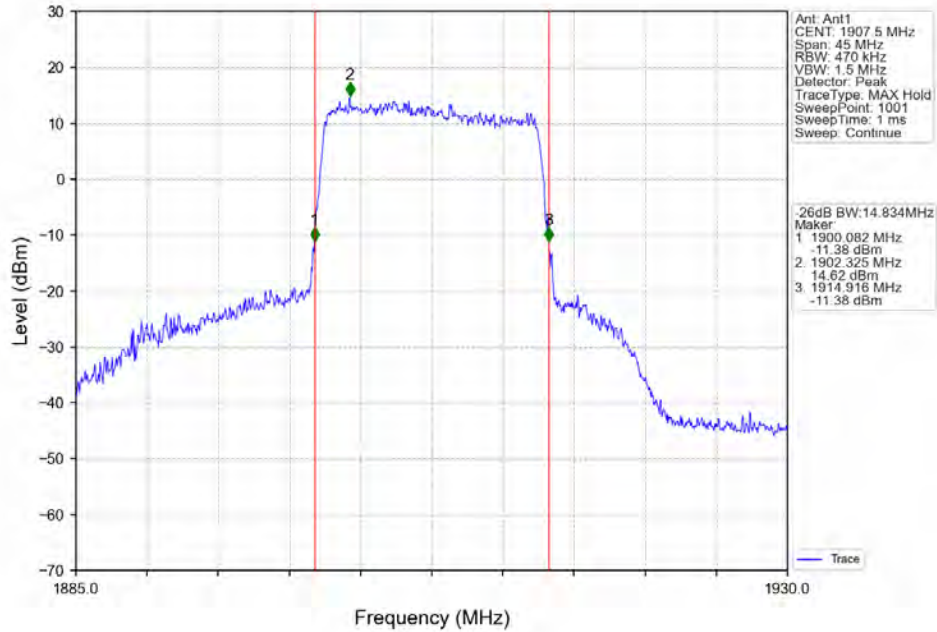
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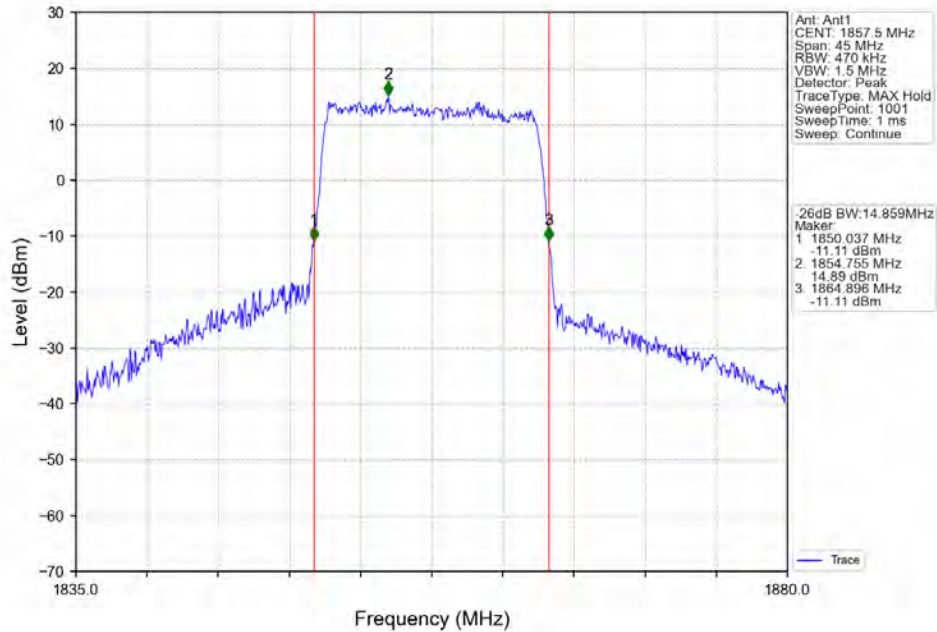
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Band25_15MHz_64QAM_MCH_1882.5MHz_RB_75_0_NTNV



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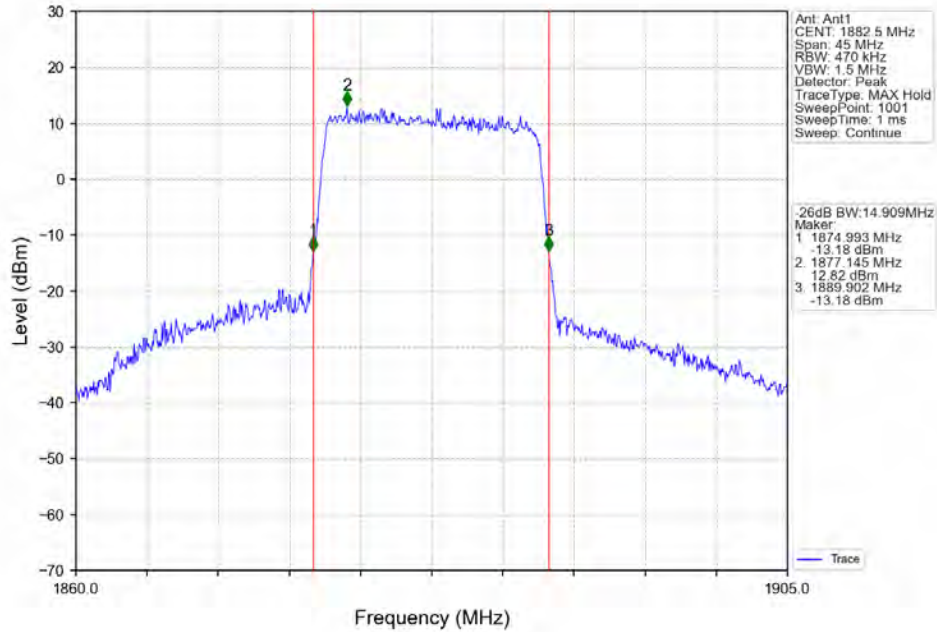
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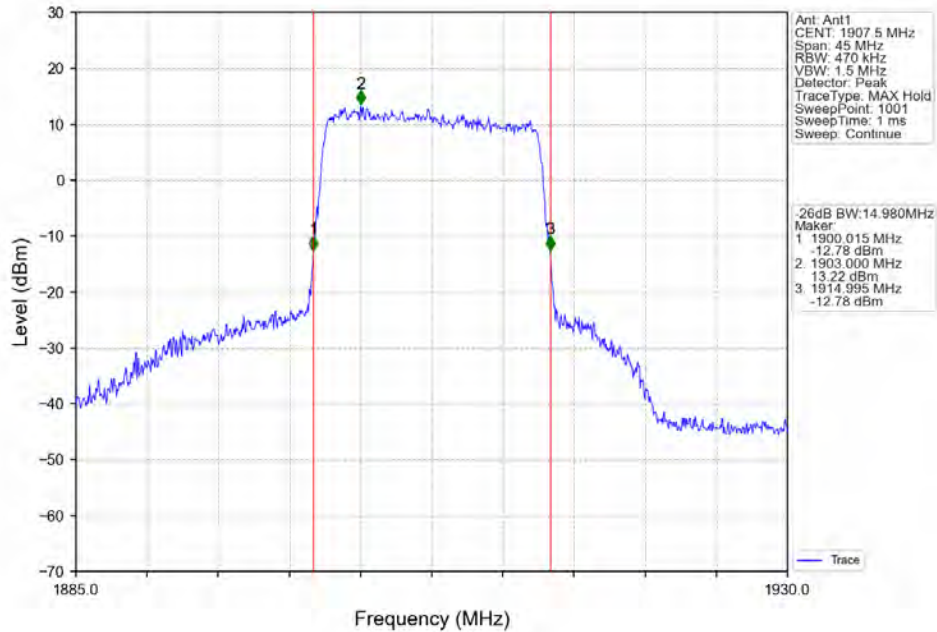
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Band25_20MHz_QPSK_LCH_1860MHz_RB_100_0_NTNV



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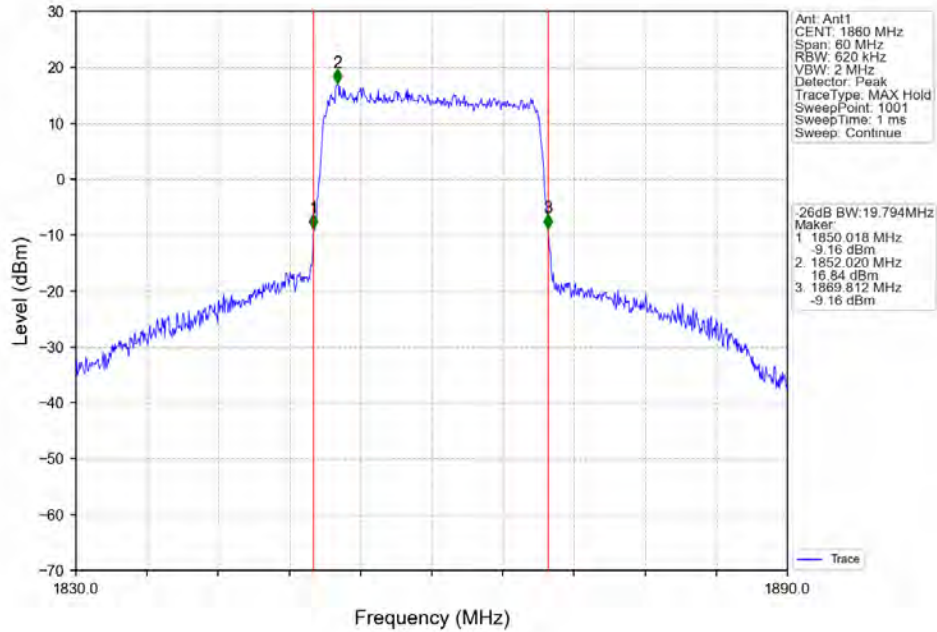
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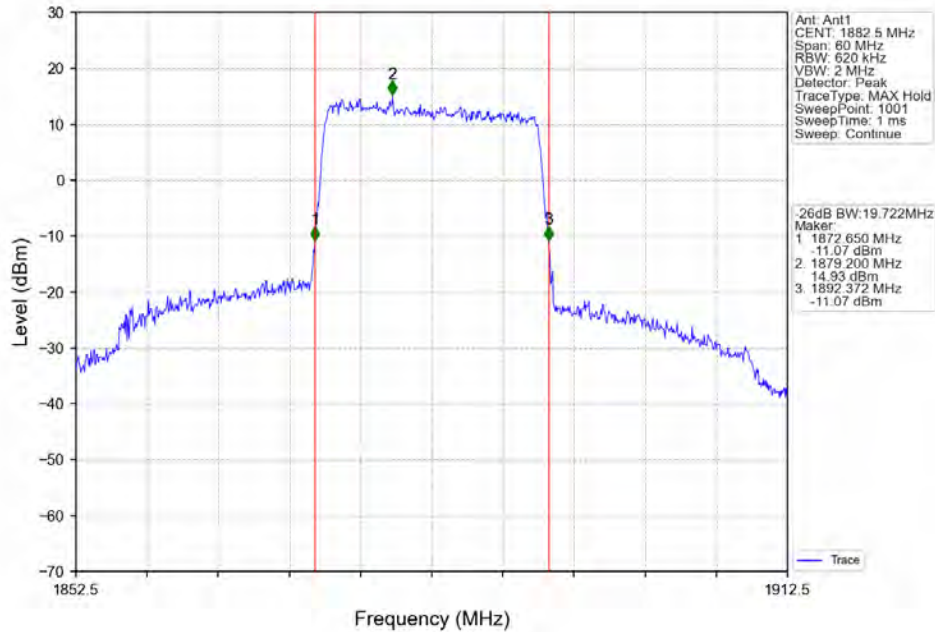
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Band25_20MHz_QPSK_HCH_1905MHz_RB_100_0_NTNV



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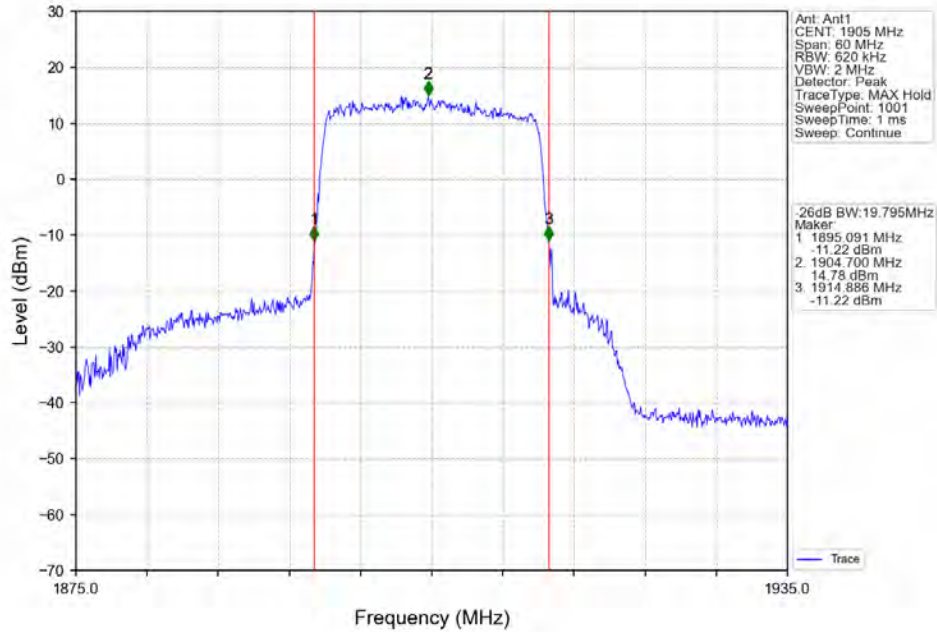
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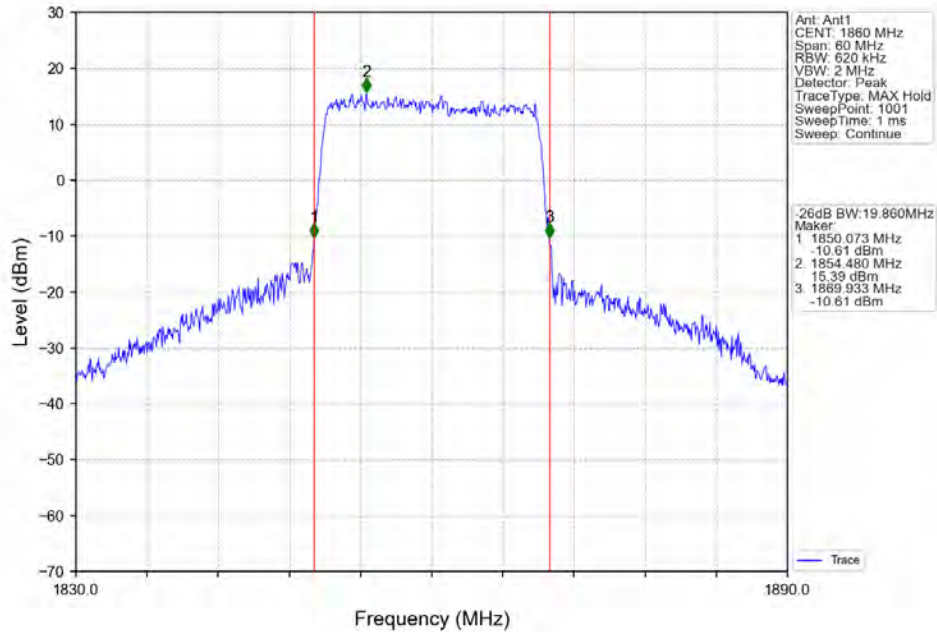
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Band25_20MHz_16QAM_MCH_1882.5MHz_RB_100_0_NTNV



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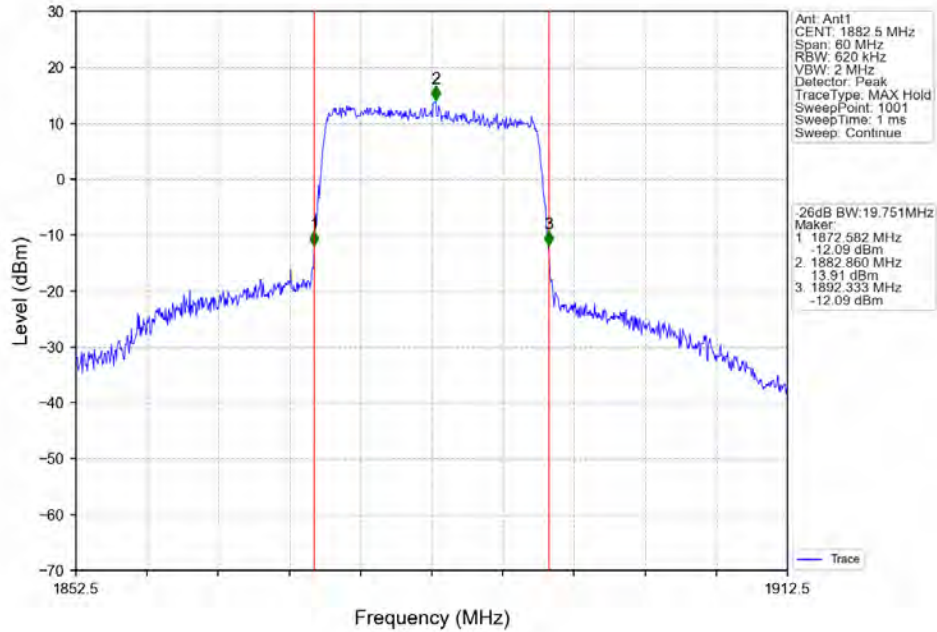
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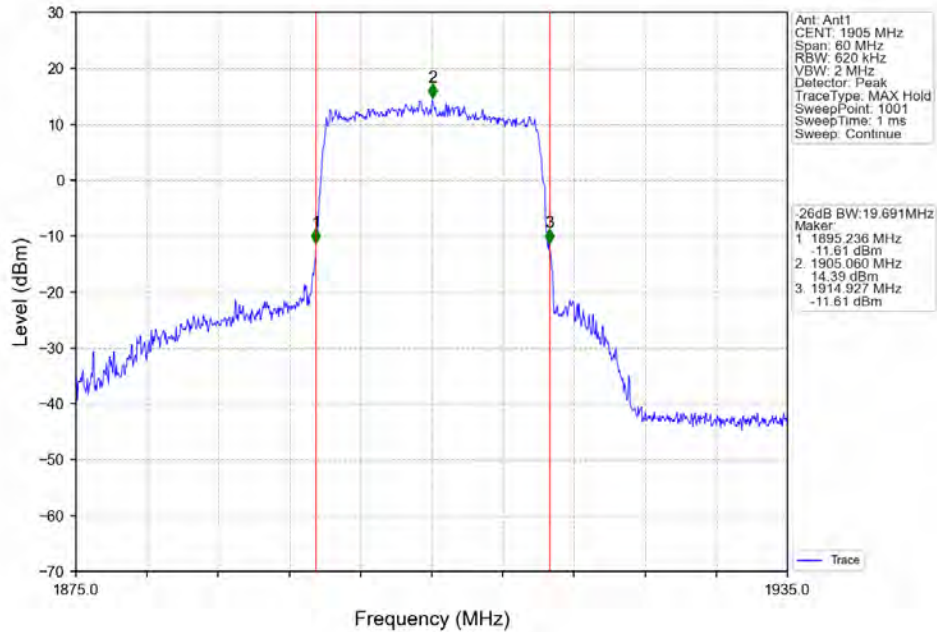
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Band25_20MHz_64QAM_LCH_1860MHz_RB_100_0_NTNV



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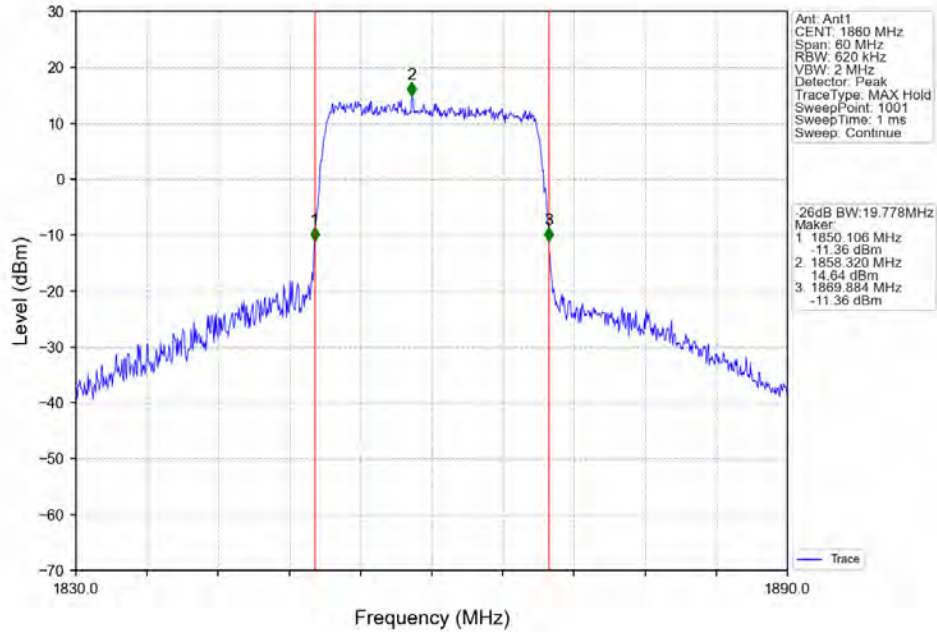
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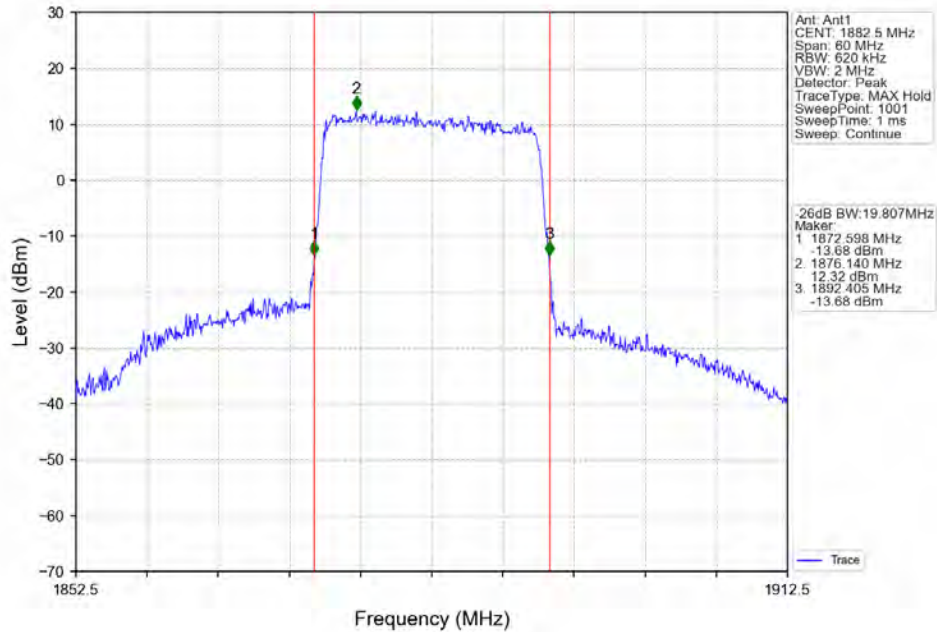
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Band25_20MHz_64QAM_MCH_1882.5MHz_RB_100_0_NTNV



Band25_20MHz_64QAM_HCH_1905MHz_RB_100_0_NTNV



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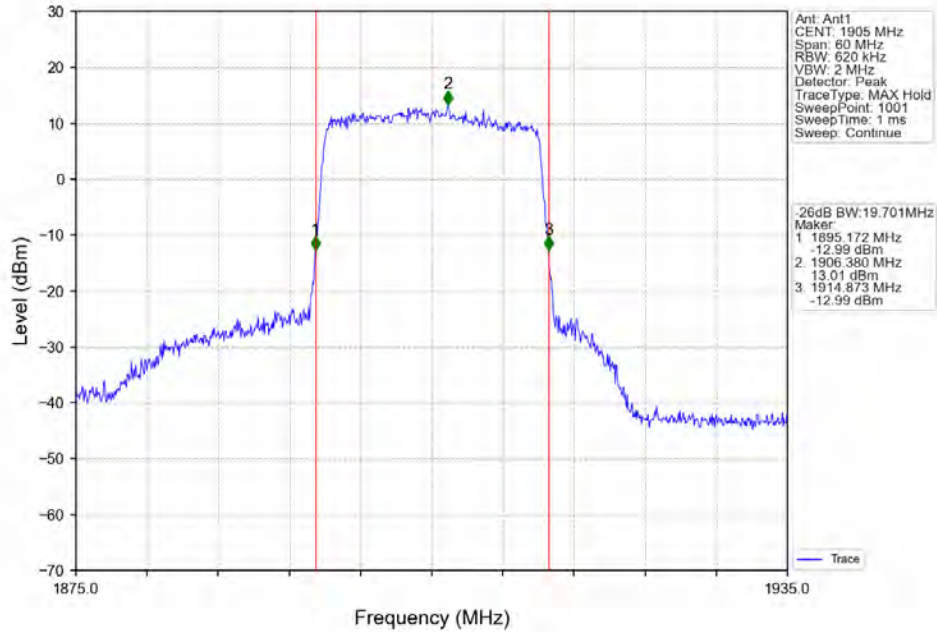
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4. Peak-Average Ratio

4.1 B25_1.4MHz

4.1.1 Test Result

Band: 25 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1850.7	6	0	4.24	<=13	Pass
	1882.5	6	0	4.44	<=13	Pass
	1914.3	6	0	5.26	<=13	Pass
16QAM	1850.7	6	0	5.03	<=13	Pass
	1882.5	6	0	5.28	<=13	Pass
	1914.3	6	0	6.00	<=13	Pass
64QAM	1850.7	6	0	5.63	<=13	Pass
	1882.5	6	0	5.60	<=13	Pass
	1914.3	6	0	6.48	<=13	Pass

4.2 B25_3MHz

4.2.1 Test Result

Band: 25 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1851.5	15	0	4.37	<=13	Pass
	1882.5	15	0	4.61	<=13	Pass
	1913.5	15	0	5.40	<=13	Pass
16QAM	1851.5	15	0	5.20	<=13	Pass
	1882.5	15	0	5.41	<=13	Pass
	1913.5	15	0	6.16	<=13	Pass
64QAM	1851.5	15	0	5.69	<=13	Pass
	1882.5	15	0	5.94	<=13	Pass
	1913.5	15	0	6.39	<=13	Pass



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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	4.74	<=13	Pass
	1882.5	25	0	4.96	<=13	Pass
	1912.5	25	0	5.48	<=13	Pass
16QAM	1852.5	25	0	5.43	<=13	Pass
	1882.5	25	0	5.64	<=13	Pass
	1912.5	25	0	6.18	<=13	Pass
64QAM	1852.5	25	0	5.86	<=13	Pass
	1882.5	25	0	6.01	<=13	Pass
	1912.5	25	0	6.42	<=13	Pass

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	4.88	<=13	Pass
	1882.5	50	0	5.03	<=13	Pass
	1910	50	0	5.35	<=13	Pass
16QAM	1855	50	0	5.61	<=13	Pass
	1882.5	50	0	5.77	<=13	Pass
	1910	50	0	6.07	<=13	Pass
64QAM	1855	50	0	6.01	<=13	Pass
	1882.5	50	0	6.12	<=13	Pass
	1910	50	0	6.36	<=13	Pass



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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	5.11	<=13	Pass
	1882.5	75	0	5.13	<=13	Pass
	1907.5	75	0	5.34	<=13	Pass
16QAM	1857.5	75	0	5.74	<=13	Pass
	1882.5	75	0	5.74	<=13	Pass
	1907.5	75	0	5.87	<=13	Pass
64QAM	1857.5	75	0	6.10	<=13	Pass
	1882.5	75	0	6.08	<=13	Pass
	1907.5	75	0	6.15	<=13	Pass

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	5.16	<=13	Pass
	1882.5	100	0	5.13	<=13	Pass
	1905	100	0	5.13	<=13	Pass
16QAM	1860	100	0	5.90	<=13	Pass
	1882.5	100	0	5.84	<=13	Pass
	1905	100	0	5.88	<=13	Pass
64QAM	1860	100	0	6.29	<=13	Pass
	1882.5	100	0	6.17	<=13	Pass
	1905	100	0	6.17	<=13	Pass



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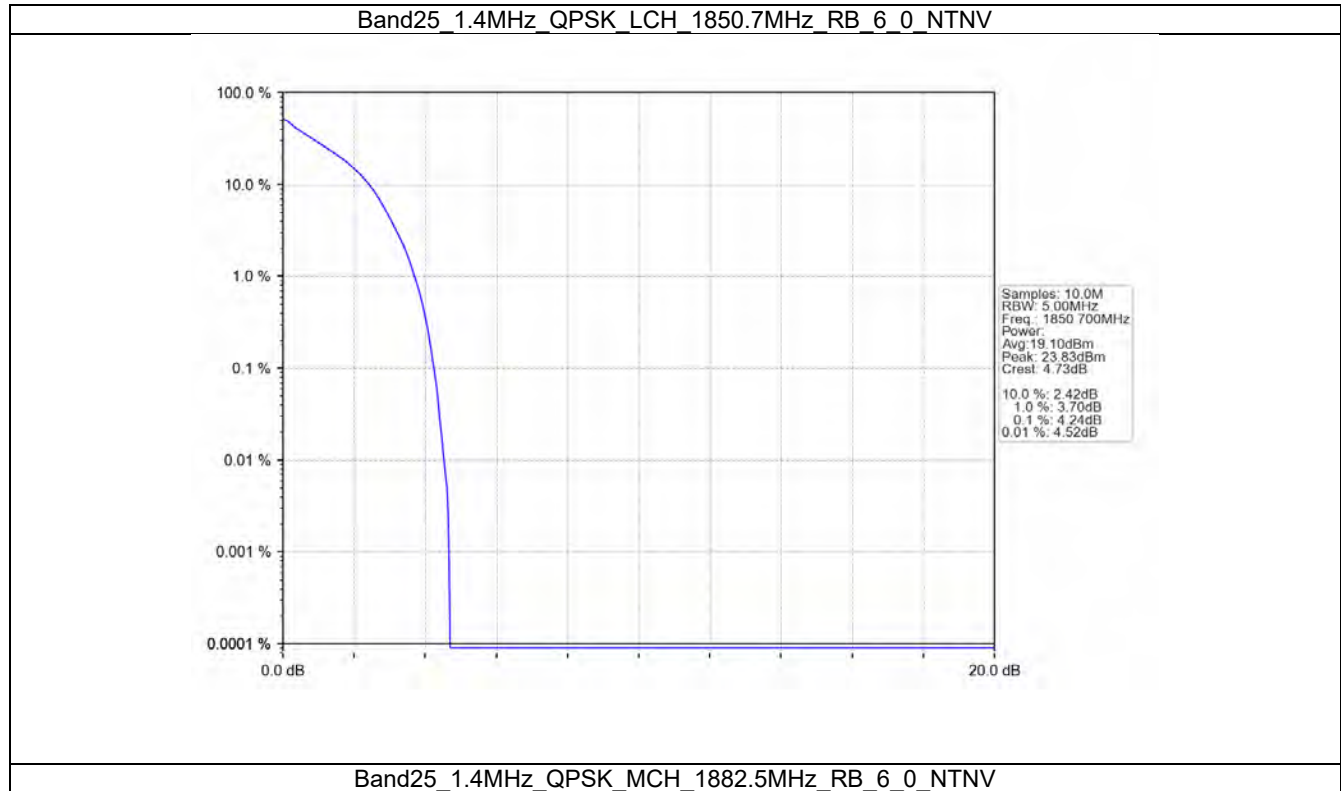
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4.1 B25_1.4MHz

4.1.2 Test Graph



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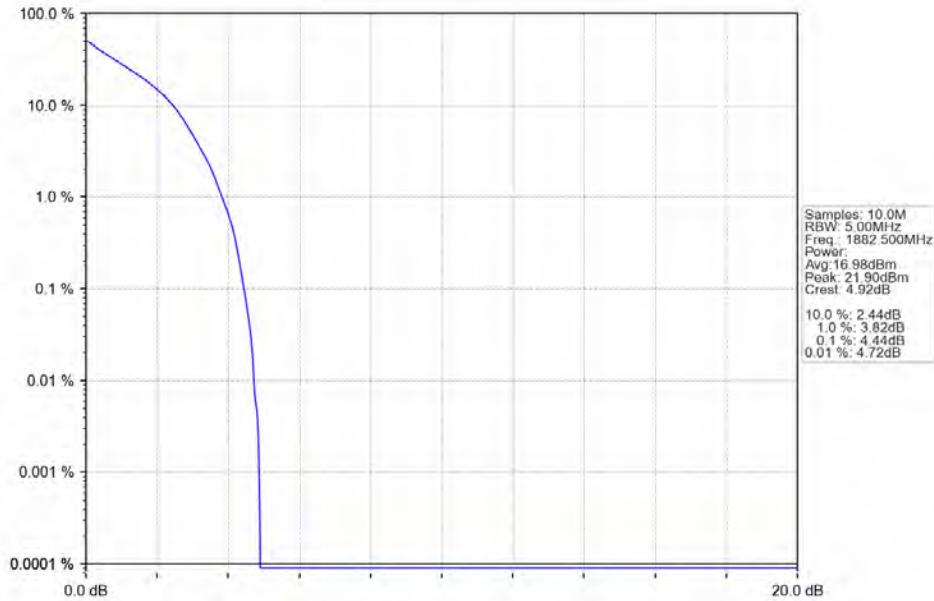
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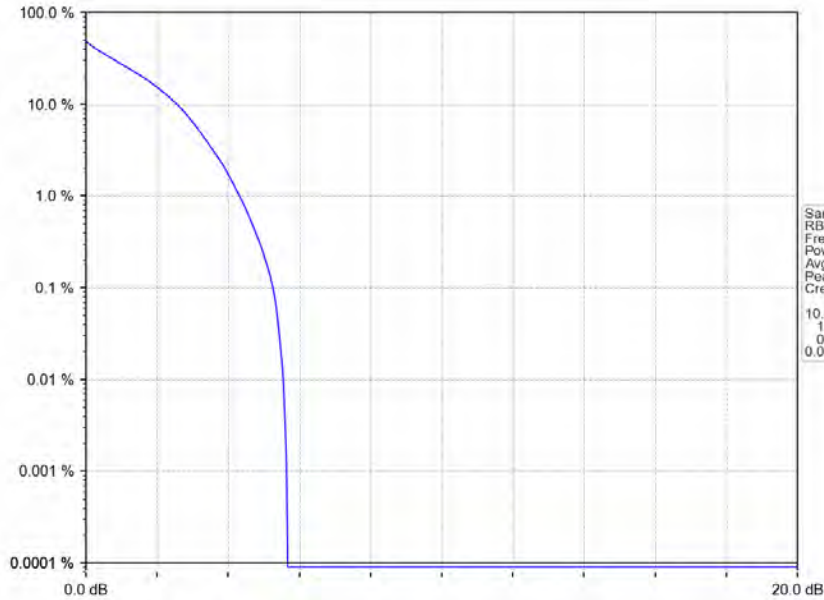
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Band25 1.4MHz QPSK HCH 1914.300MHz RB 6 0 NTN



Samples: 10.0M
RBW: 5.00MHz
Freq: 1914.300MHz
Power:
Avg: 17.97dBm
Peak: 23.66dBm
Crest: 5.69dB
10.0%: 2.55dB
1.0%: 4.31dB
0.1%: 5.26dB
0.01%: 5.54dB

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



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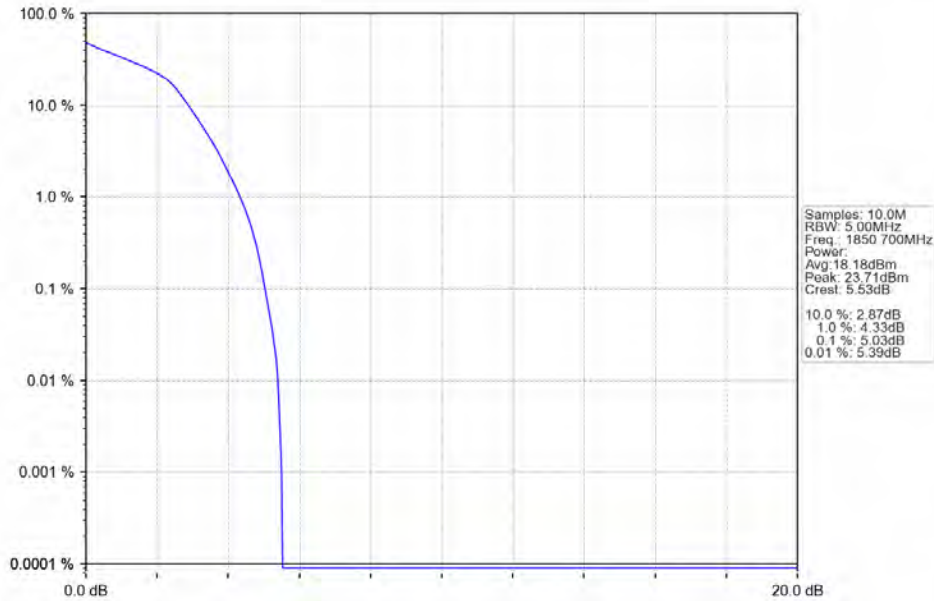
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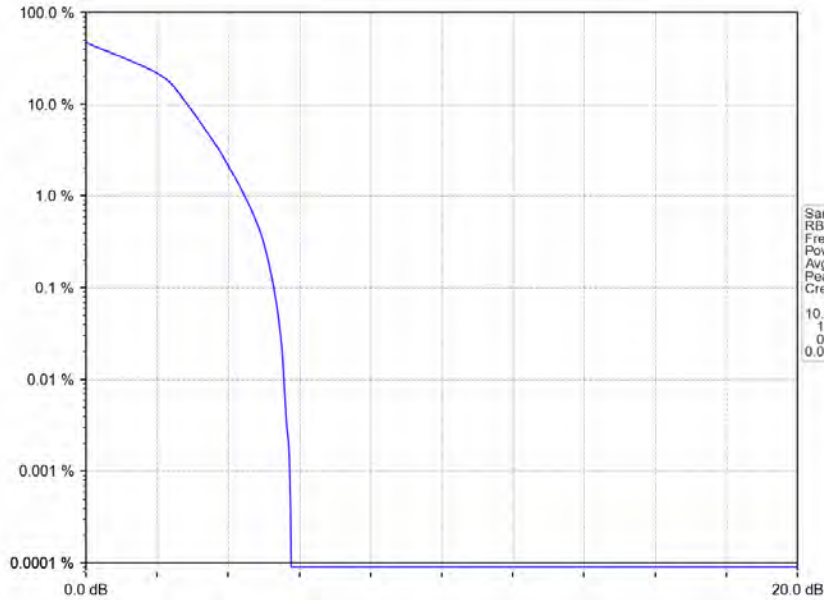
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Band25_1.4MHz_16QAM_MCH_1882.5MHz_RB_6_0_NTNV



Band25_1.4MHz_16QAM_HCH_1914.3MHz_RB_6_0_NTNV



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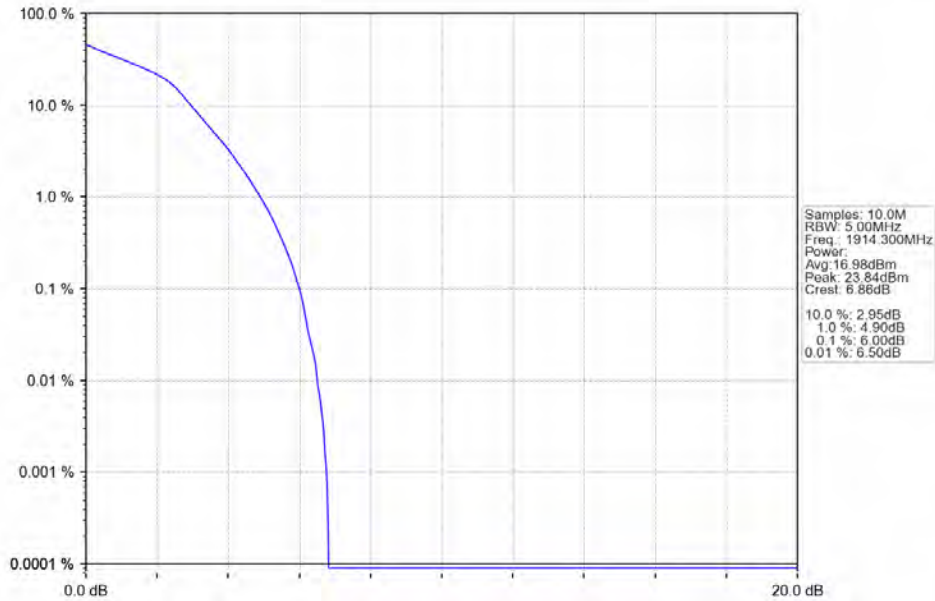
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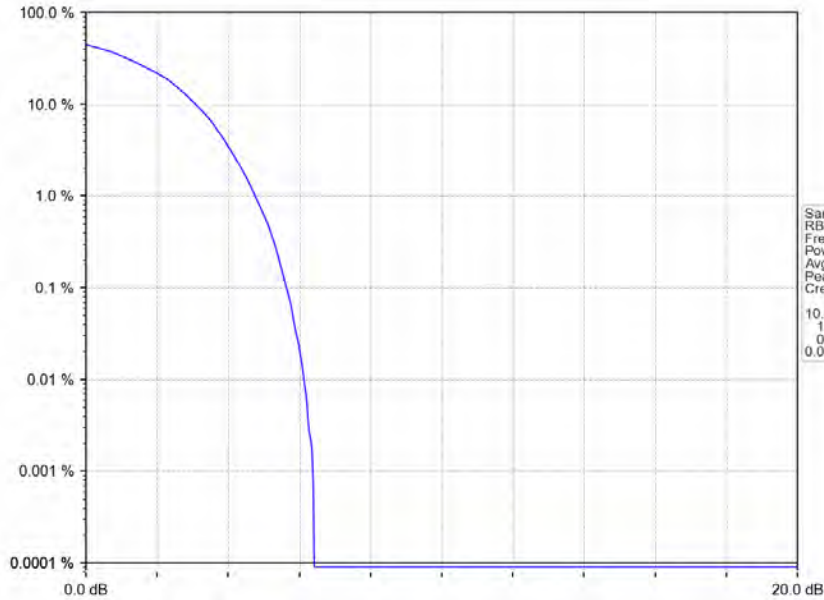
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Band25_1.4MHz_64QAM_LCH_1850.7MHz_RB_6_0_NTNV



Band25_1.4MHz_64QAM_MCH_1882.5MHz_RB_6_0_NTNV



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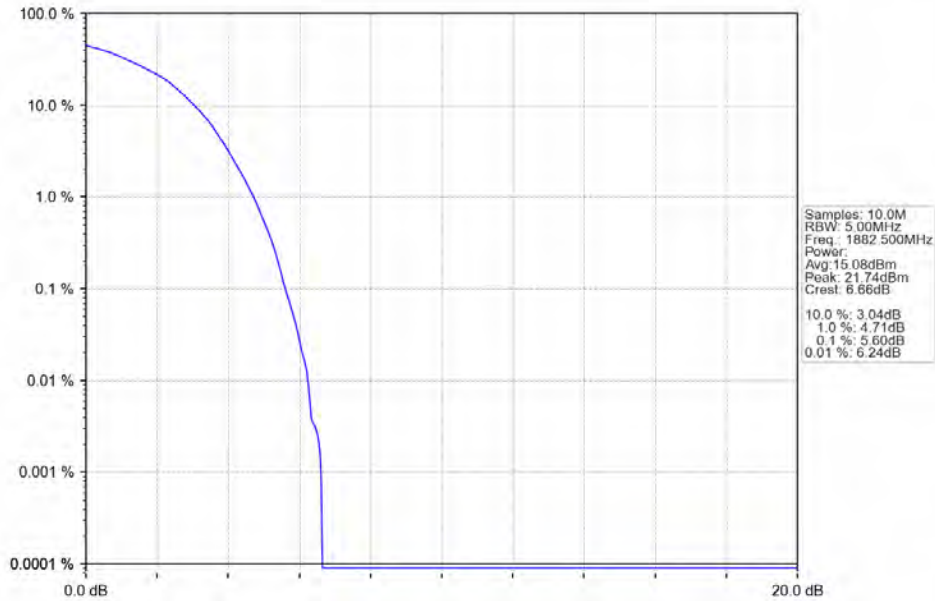
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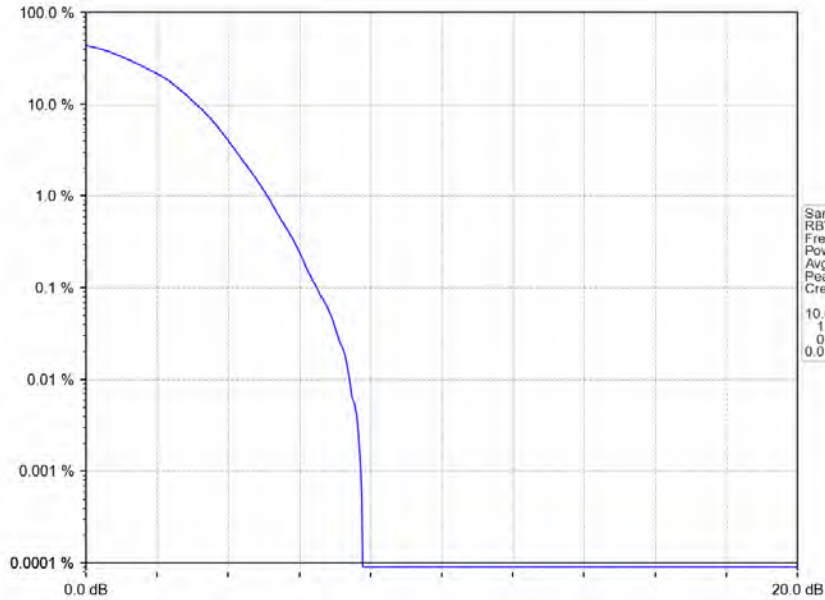
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Band25_1.4MHz_64QAM_HCH_1914.3MHz_RB_6_0_NTNV



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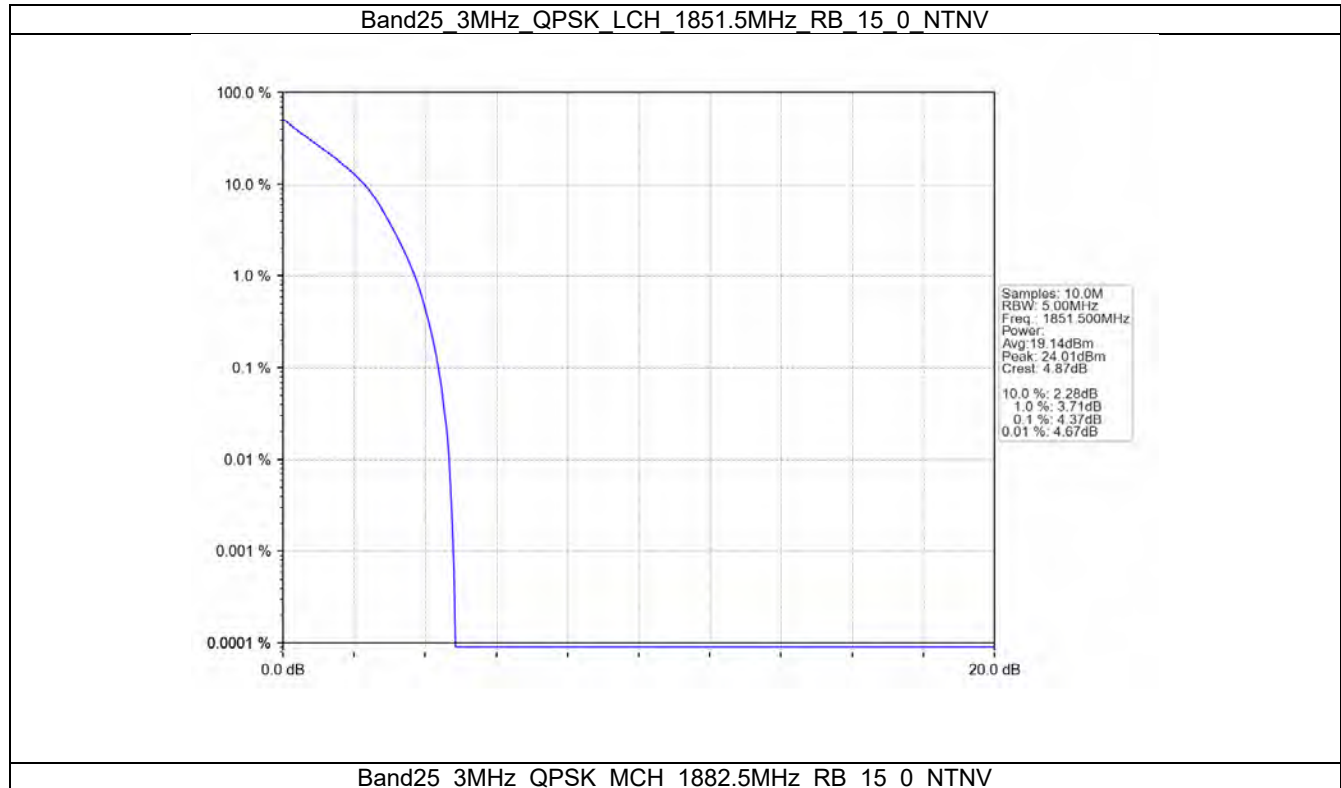
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4.2 B25_3MHz

4.2.2 Test Graph



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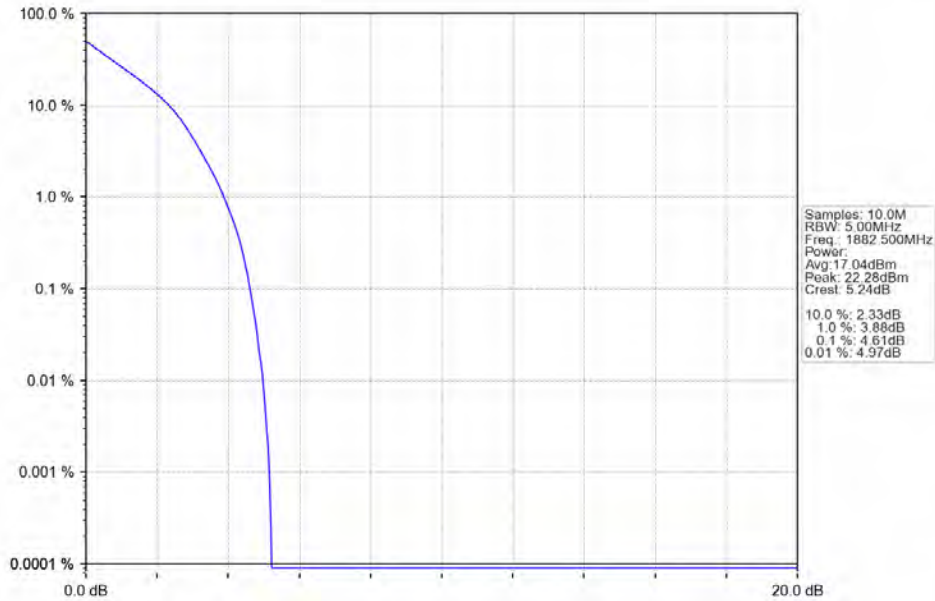
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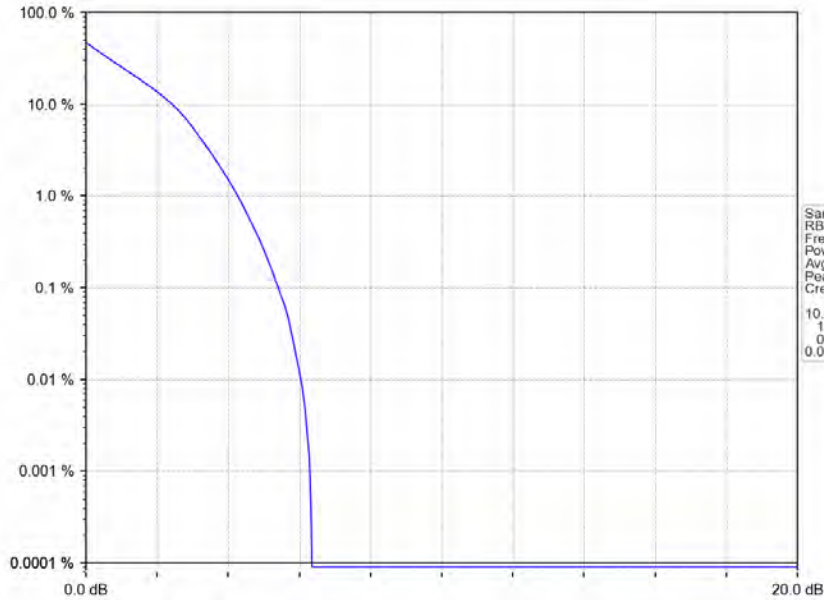
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Band25_3MHz_QPSK_HCH_1913.5MHz_RB_15_0_NTNV



Samples: 10.0M
RBW: 5.00MHz
Freq: 1913.500MHz
Power:
Avg: 17.96dBm
Peak: 24.32dBm
Crest: 6.36dB
10.0%: 2.42dB
1.0%: 4.27dB
0.1%: 5.40dB
0.01%: 6.04dB

Band25_3MHz_16QAM_LCH_1851.5MHz_RB_15_0_NTNV



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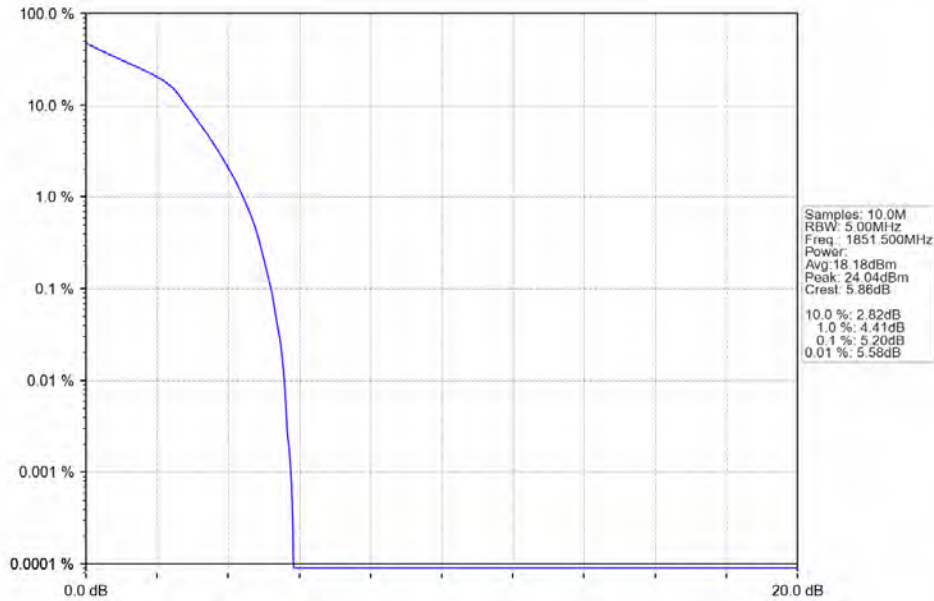
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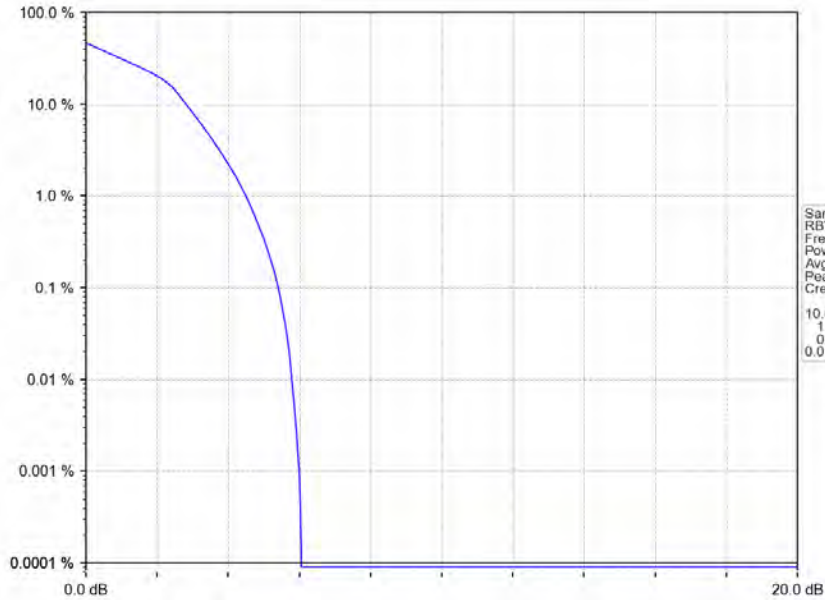
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Band25_3MHz_16QAM_MCH_1882.5MHz_RB_15_0_NTNV



Band25_3MHz_16QAM_HCH_1913.5MHz_RB_15_0_NTNV



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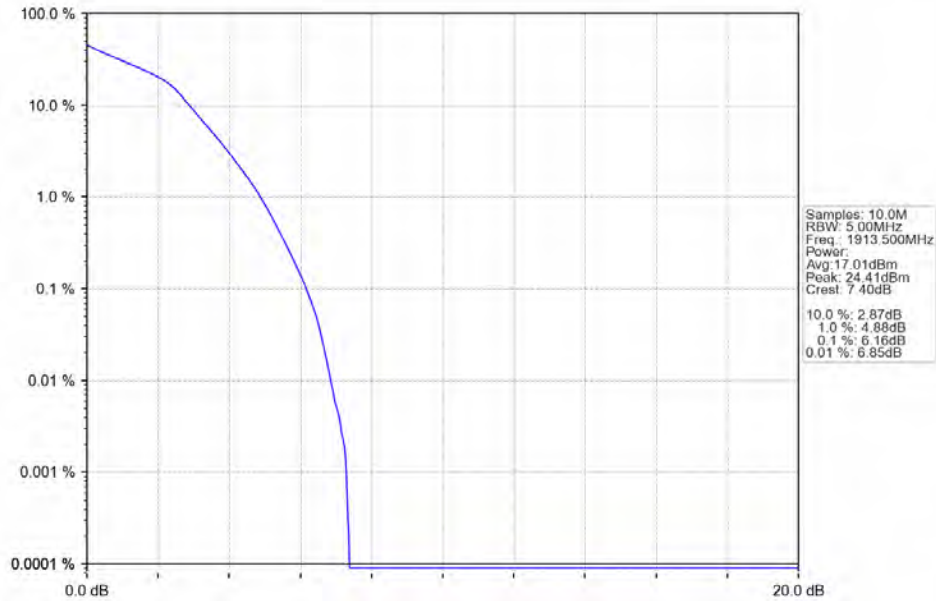
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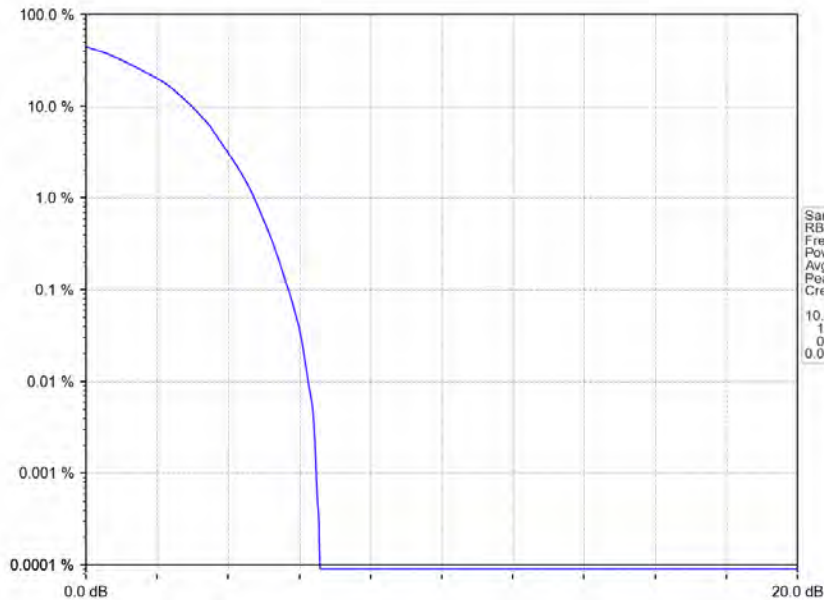
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Band25_3MHz_64QAM_LCH_1851.5MHz_RB_15_0_NTNV



Samples: 10.0M
RBW: 5.00MHz
Freq: 1851.500MHz
Power:
Avg: 17.20dBm
Peak: 23.80dBm
Crest: 6.60dB
10.0 %: 2.97dB
1.0 %: 4.73dB
0.1 %: 5.69dB
0.01 %: 6.25dB

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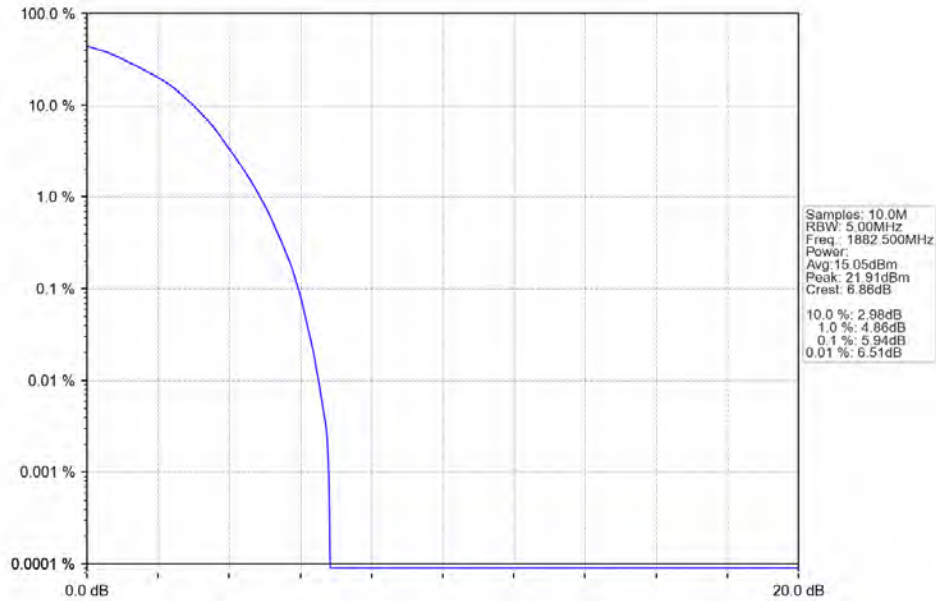
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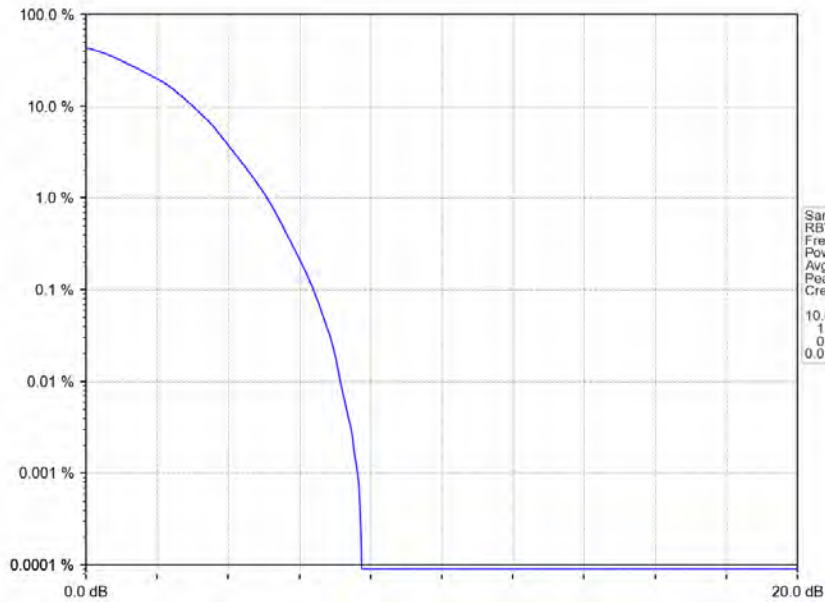
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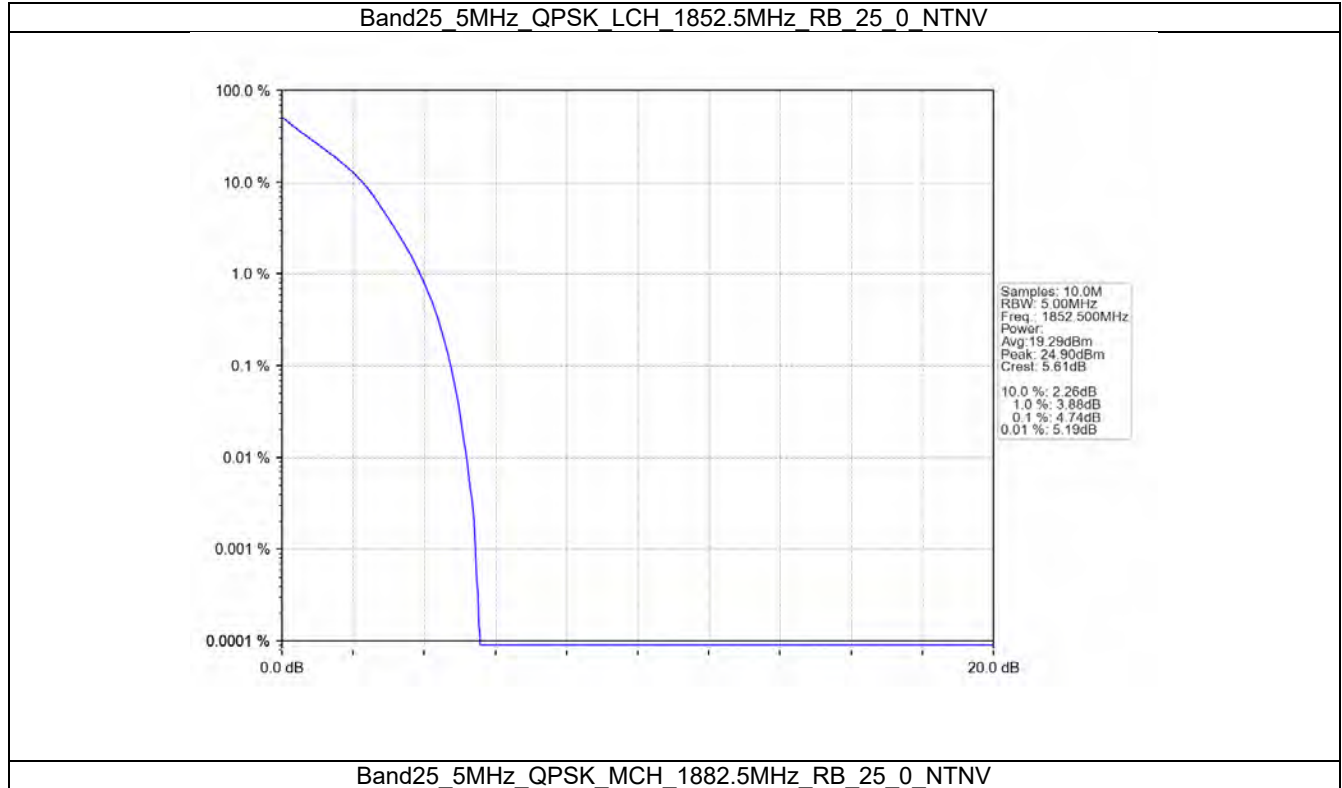
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4.3 B25_5MHz

4.3.2 Test Graph



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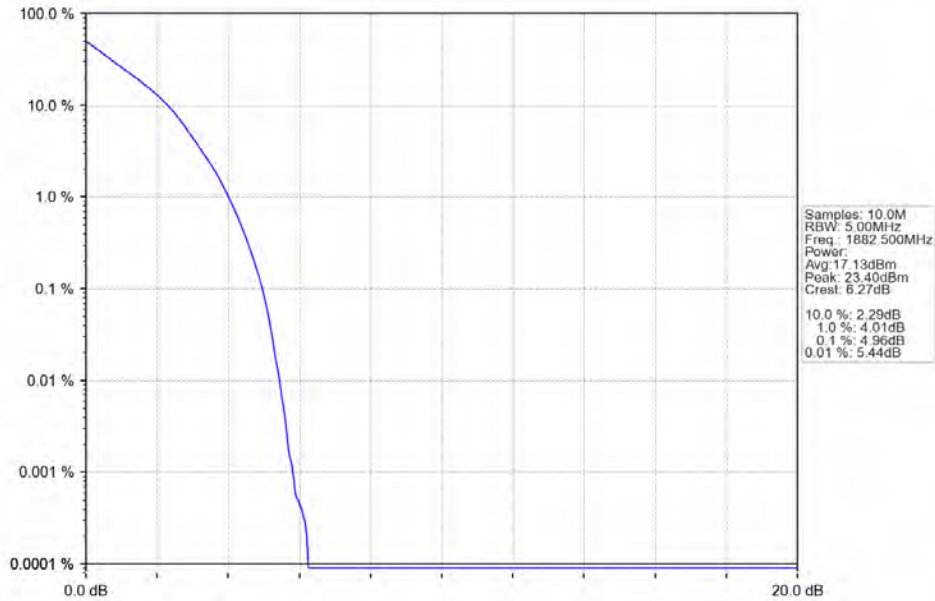
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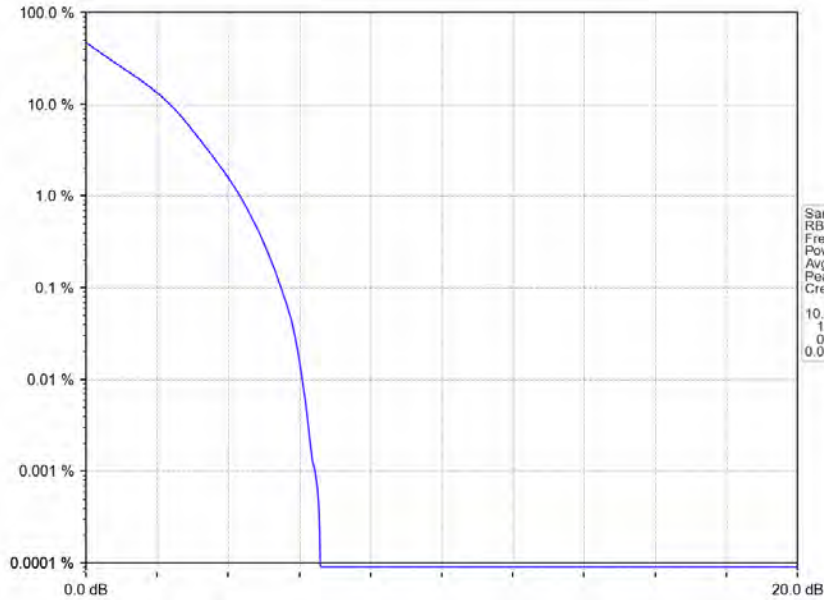
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Band25_5MHz_QPSK_HCH_1912.5MHz_RB_25_0_NTNV



Samples: 10.0M
RBW: 5.00MHz
Freq: 1912.500MHz
Power:
Avg: 18.04dBm
Peak: 24.65dBm
Crest: 6.61dB
10.0 %: 2.35dB
1.0 %: 4.33dB
0.1 %: 5.48dB
0.01 %: 6.08dB

Band25_5MHz_16QAM_LCH_1852.5MHz_RB_25_0_NTNV



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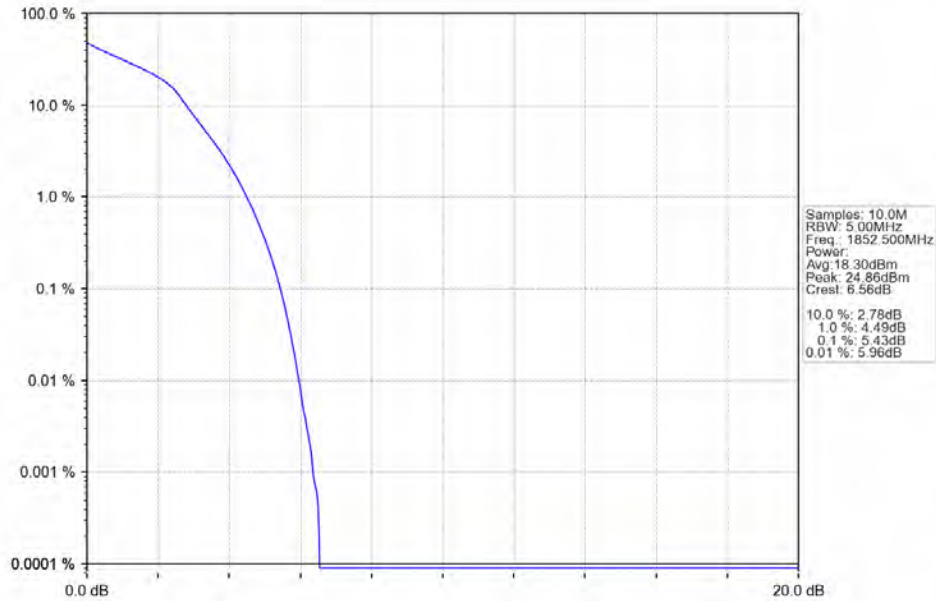
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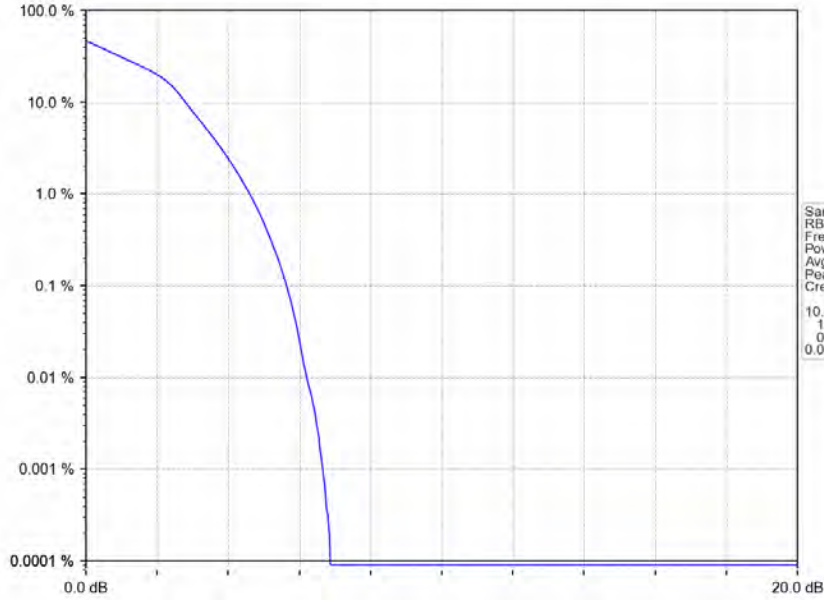
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Band25_5MHz_16QAM_MCH_1882.5MHz_RB_25_0_NTNV



Band25_5MHz_16QAM_HCH_1912.5MHz_RB_25_0_NTNV



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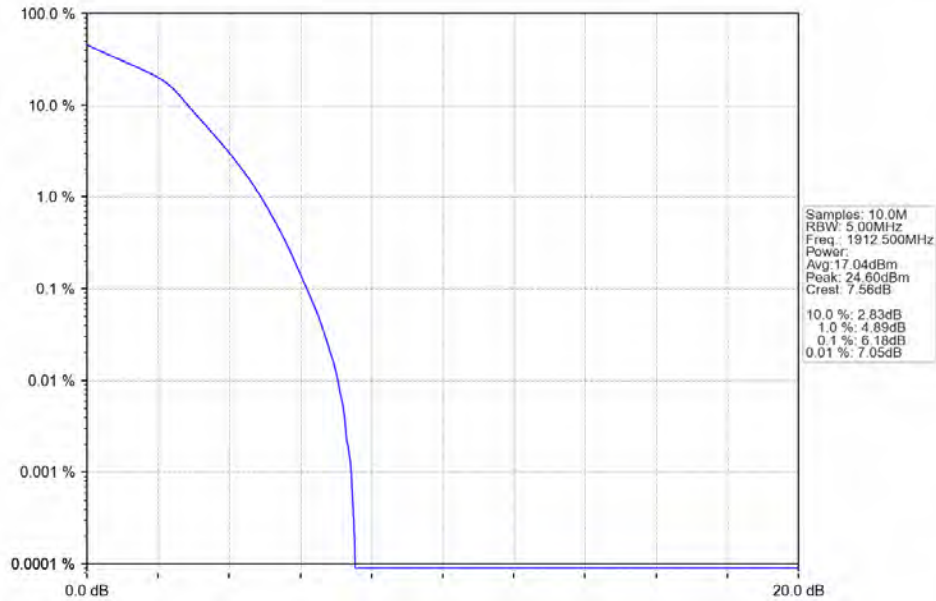
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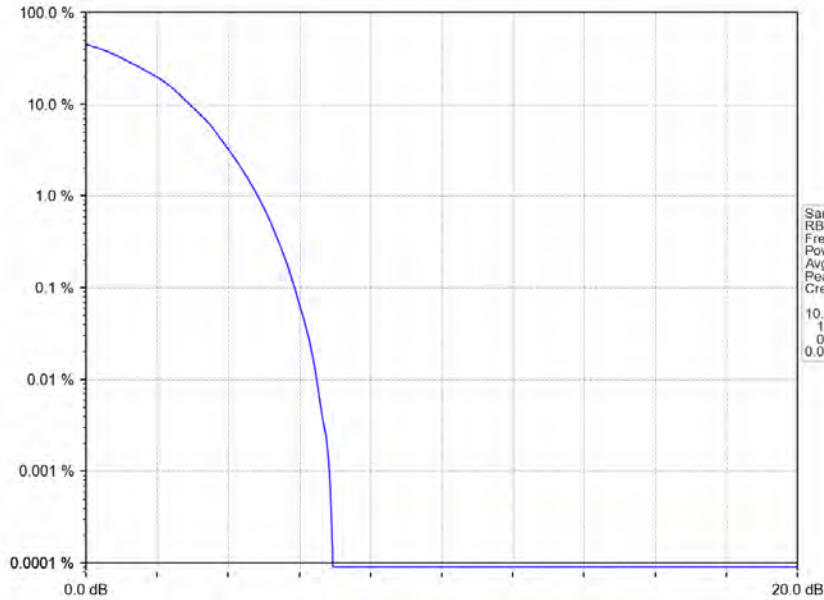
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Band25_5MHz_64QAM_LCH_1852.5MHz_RB_25_0_NTNV



Band25_5MHz_64QAM_MCH_1882.5MHz_RB_25_0_NTNV



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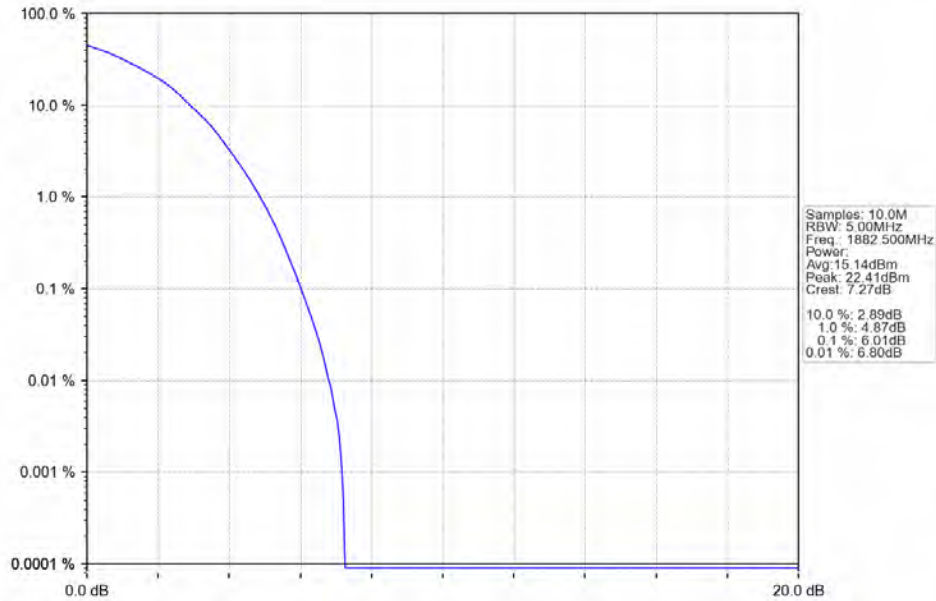
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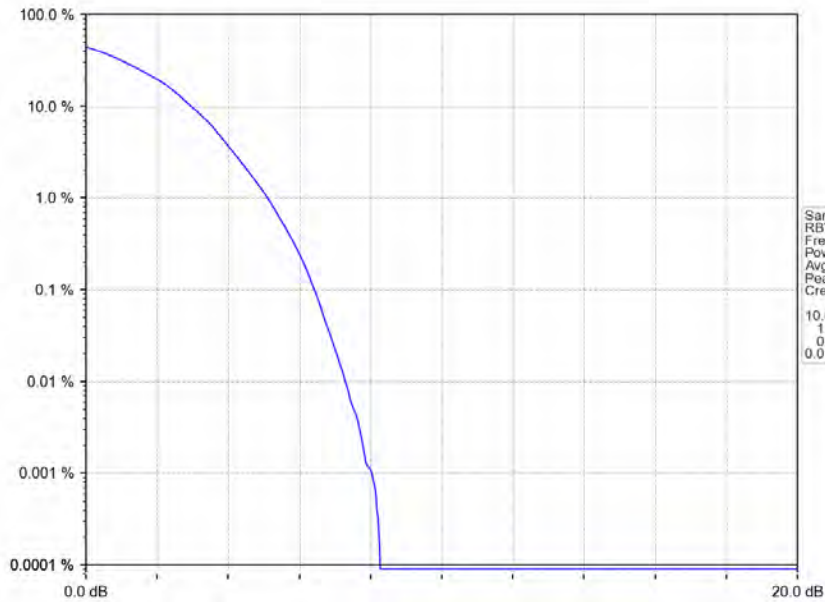
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Band25_5MHz_64QAM_HCH_1912.5MHz_RB_25_0_NTNV



Samples: 10.0M
RBW: 5.00MHz
Freq: 1912.500MHz
Power:
Avg: 16.01dBm
Peak: 24.30dBm
Crest: 8.29dB
10.0 %: 2.95dB
1.0 %: 5.10dB
0.1 %: 6.42dB
0.01 %: 7.29dB



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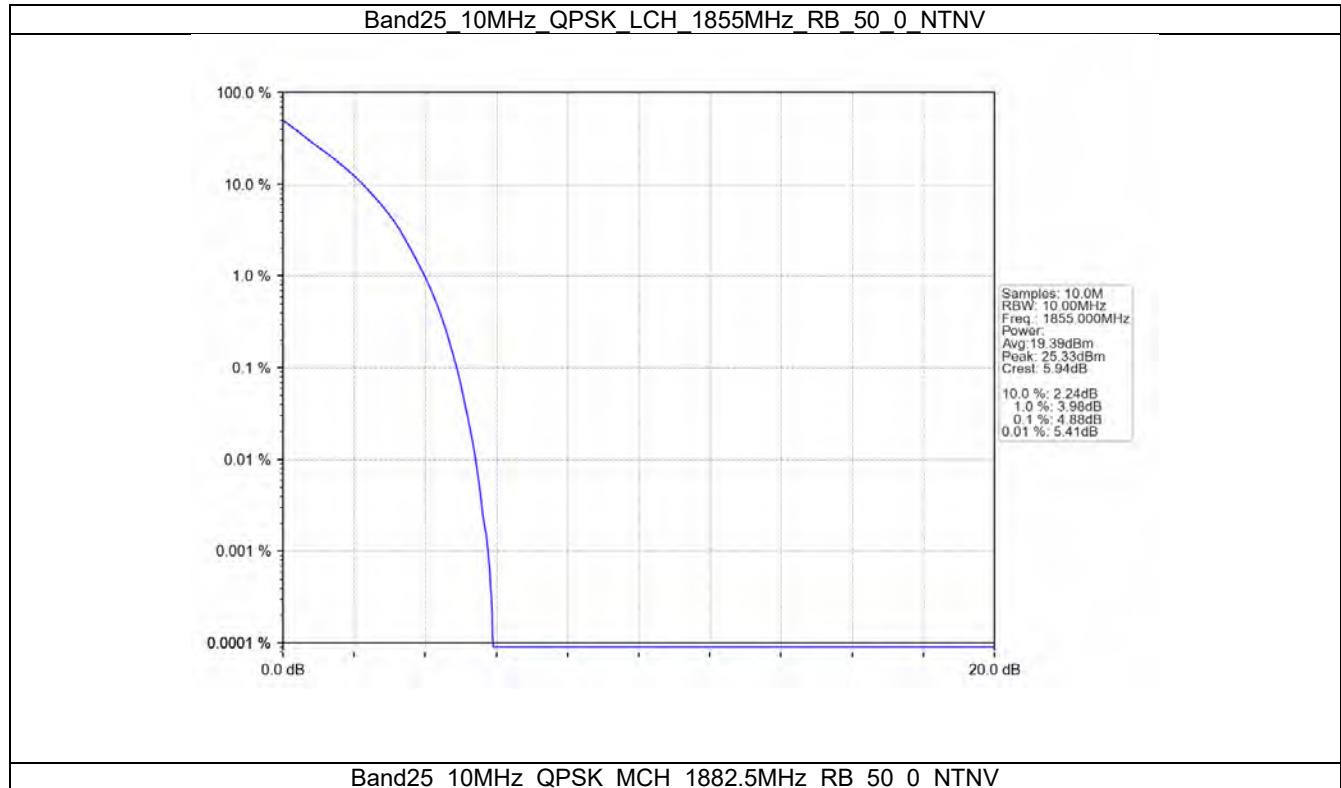
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4.4 B25_10MHz

4.4.2 Test Graph



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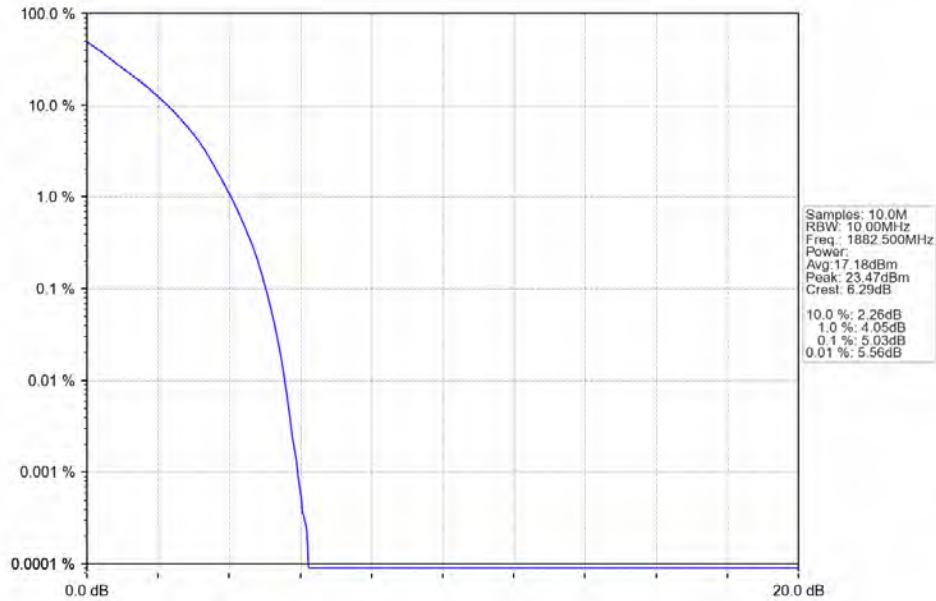
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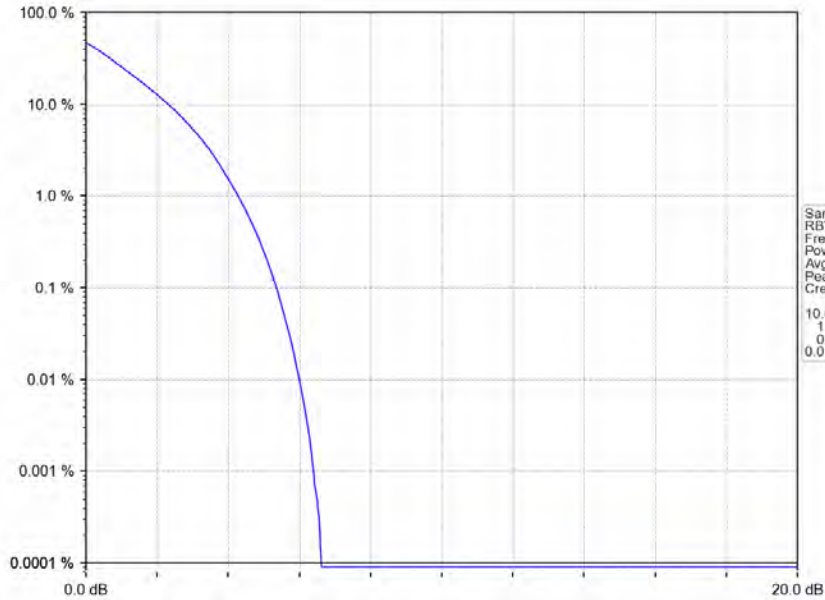
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Samples: 10.0M
RBW: 10.00MHz
Freq.: 1910.000MHz
Power:
Avg: 18.01dBm
Peak: 24.68dBm
Crest: 6.67dB
10.0%: 2.31dB
1.0%: 4.27dB
0.1%: 5.35dB
0.01%: 5.99dB

Band25_10MHz_16QAM_LCH_1855MHz_RB_50_0_NTNV



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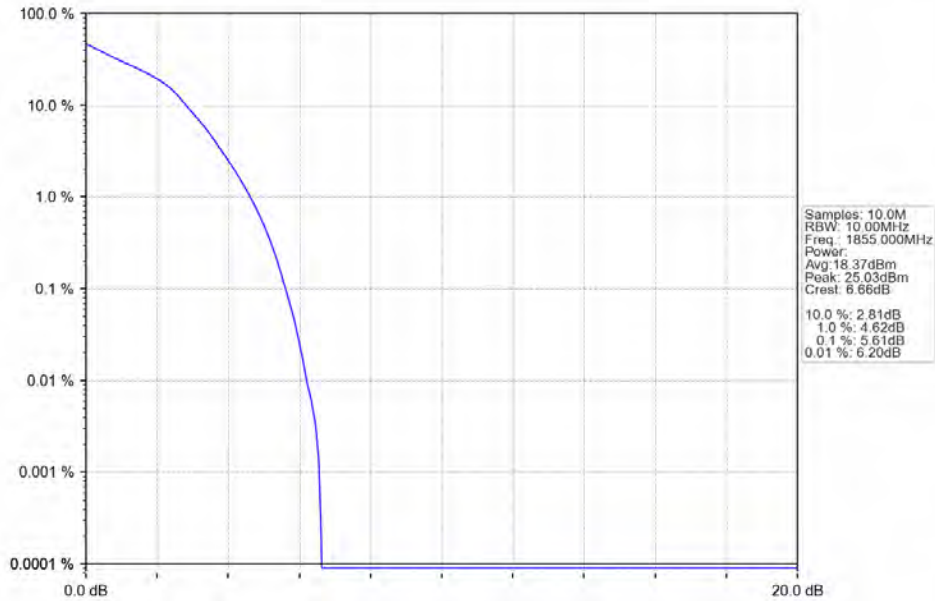
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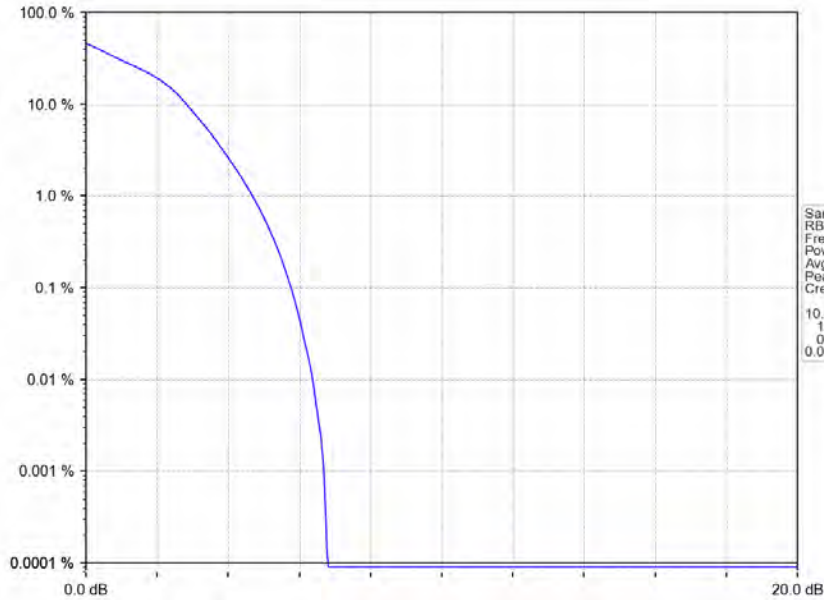
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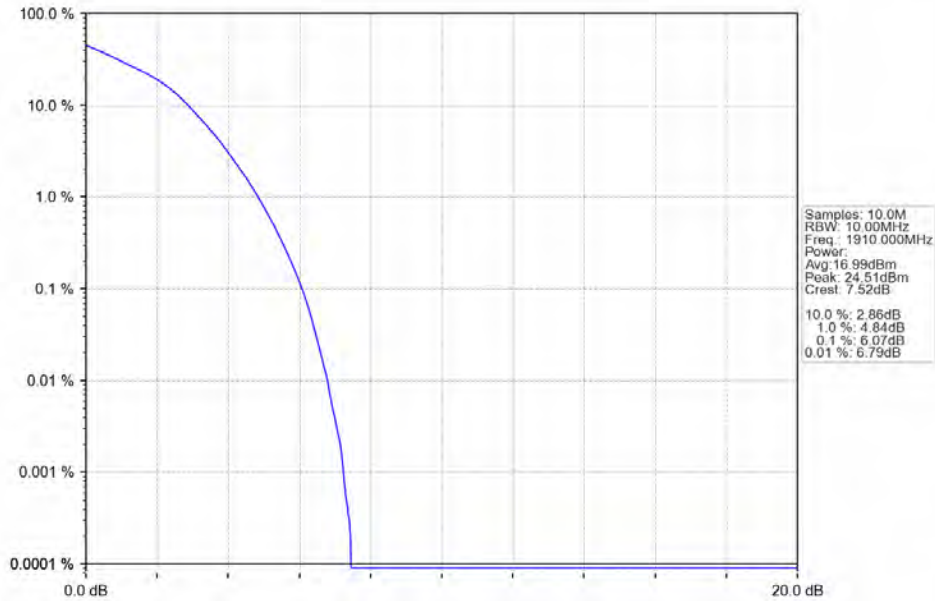
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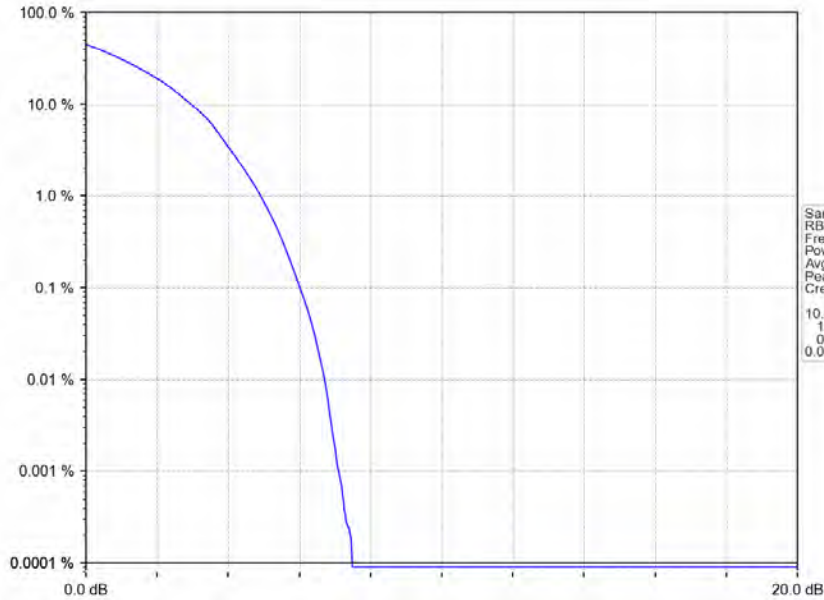
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Band25_10MHz_64QAM_LCH_1855MHz_RB_50_0_NTNV



Band25_10MHz_64QAM_MCH_1882.5MHz_RB_50_0_NTNV



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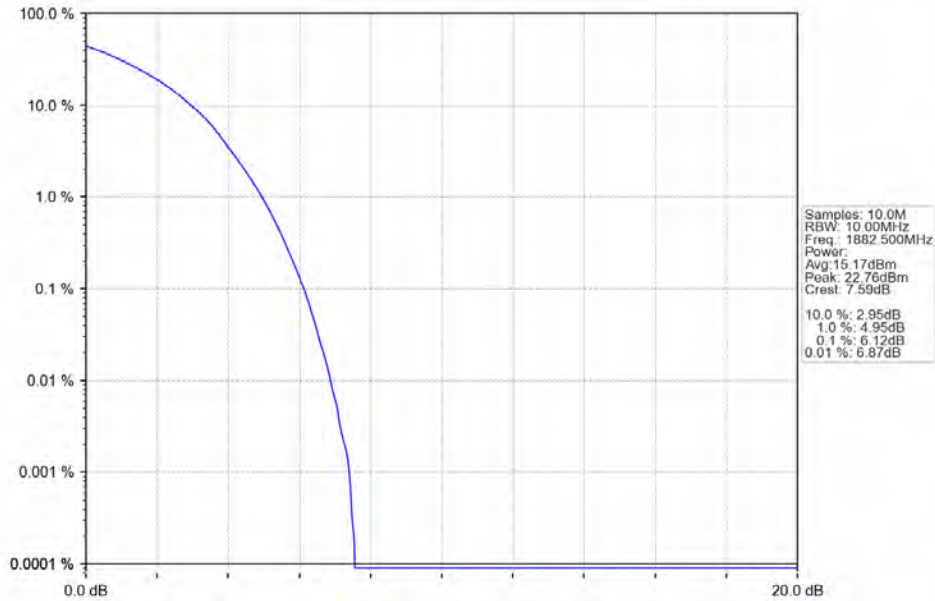
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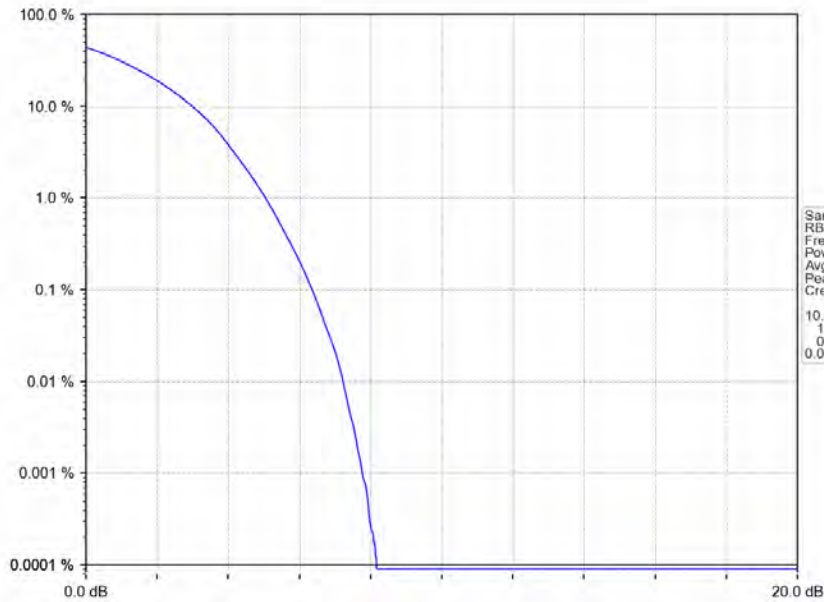
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Band25_10MHz_64QAM_HCH_1910MHz_RB_50_0_NTNV



Samples: 10.0M
RBW: 10.00MHz
Freq.: 1910.000MHz
Power:
Avg: 16.01dBm
Peak: 24.28dBm
Crest: 8.27dB
10.0 %: 2.98dB
1.0 %: 5.05dB
0.1 %: 6.36dB
0.01 %: 7.23dB



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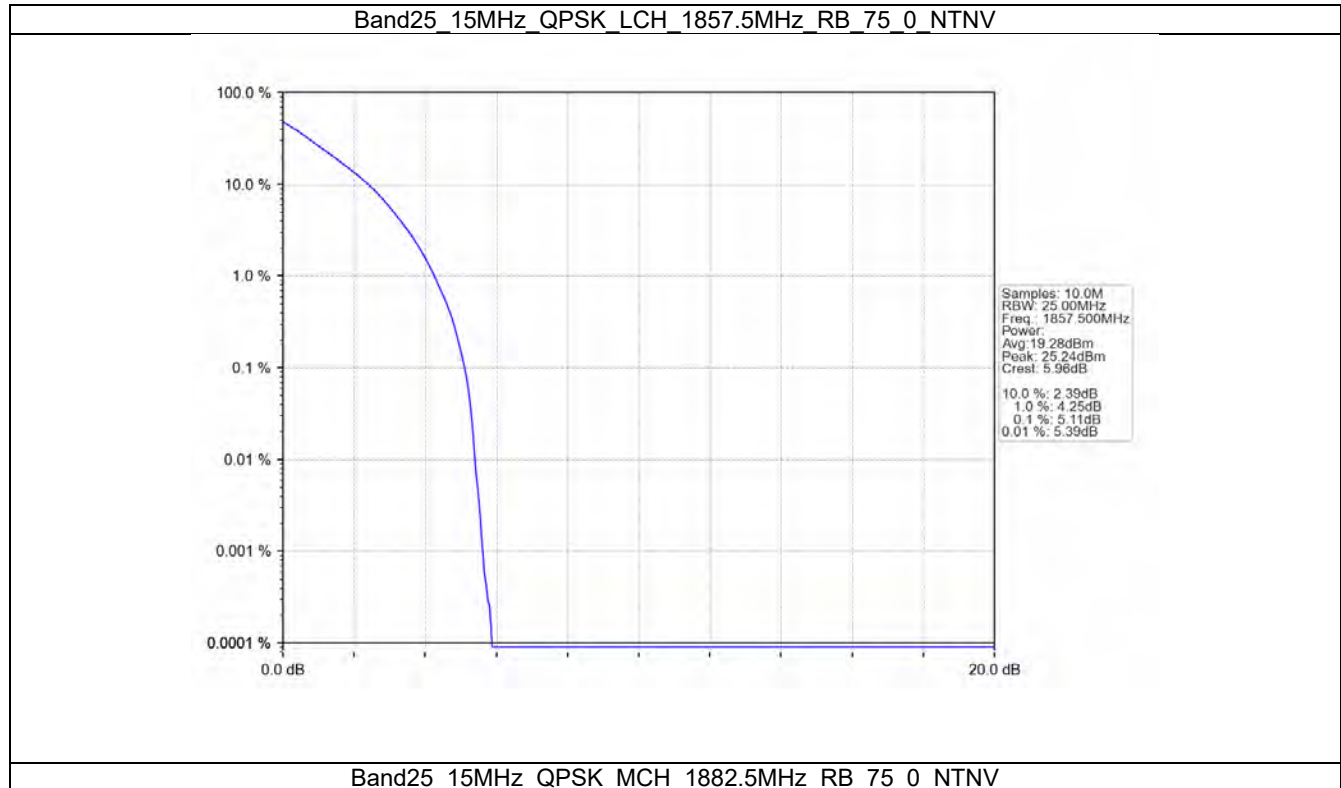
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4.5 B25_15MHz

4.5.2 Test Graph



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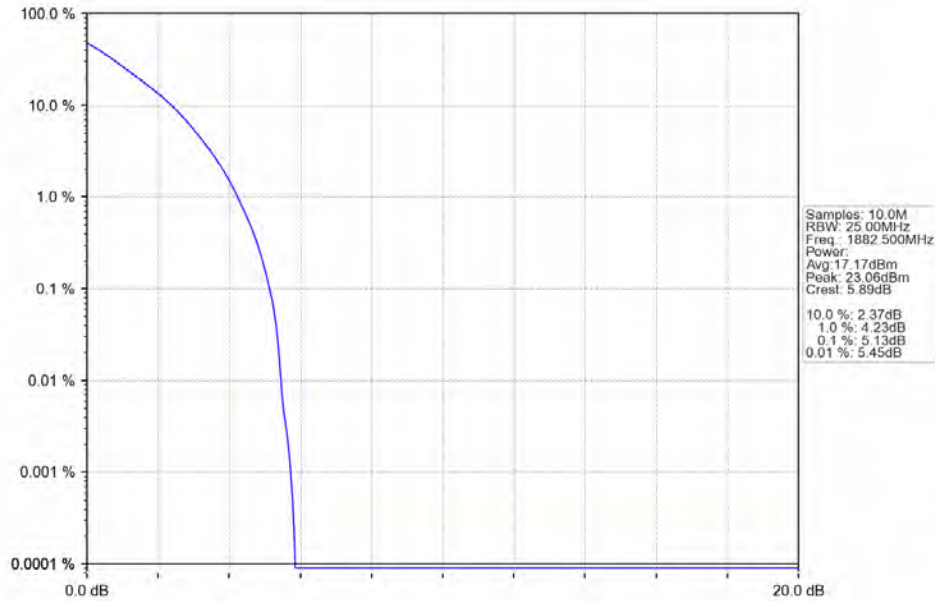
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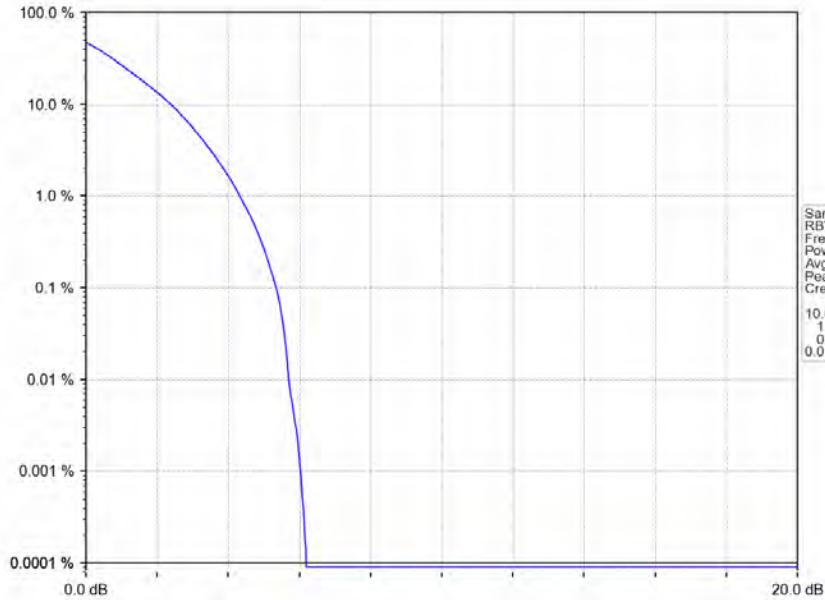
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Band25_15MHz_QPSK_HCH_1907.5MHz_RB_75_0_NTNV



Band25_15MHz_16QAM_LCH_1857.5MHz_RB_75_0_NTNV



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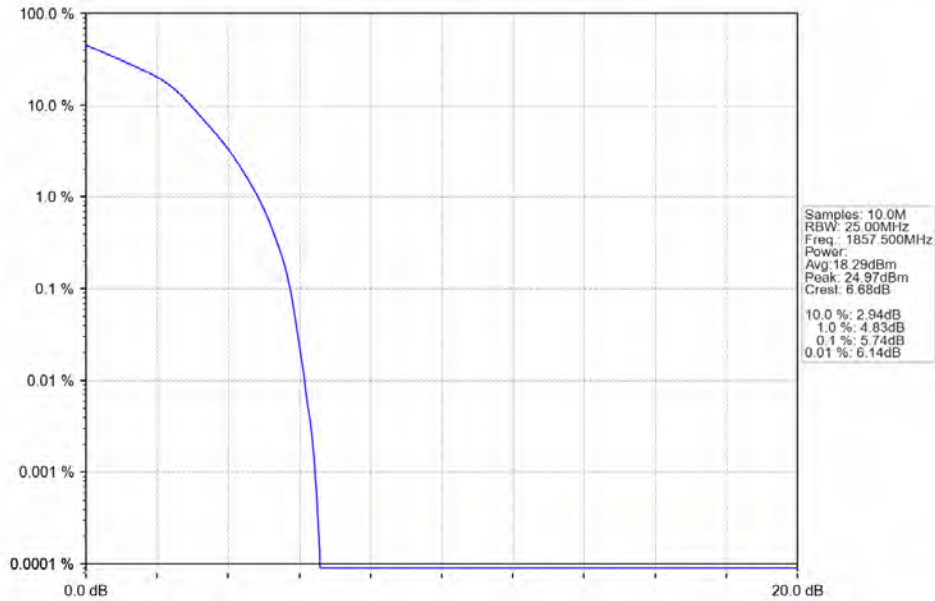
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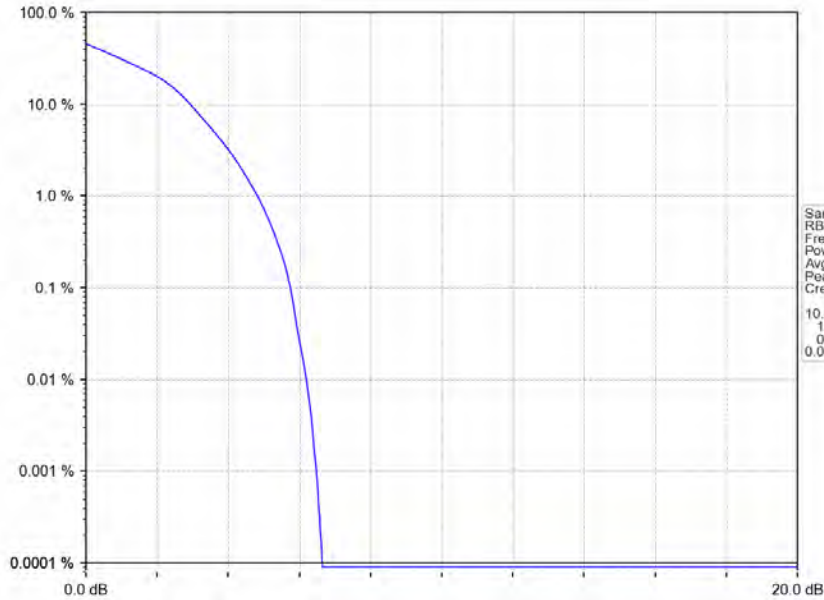
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Band25_15MHz_16QAM_MCH_1882.5MHz_RB_75_0_NTNV



Band25_15MHz_16QAM_HCH_1907.5MHz_RB_75_0_NTNV



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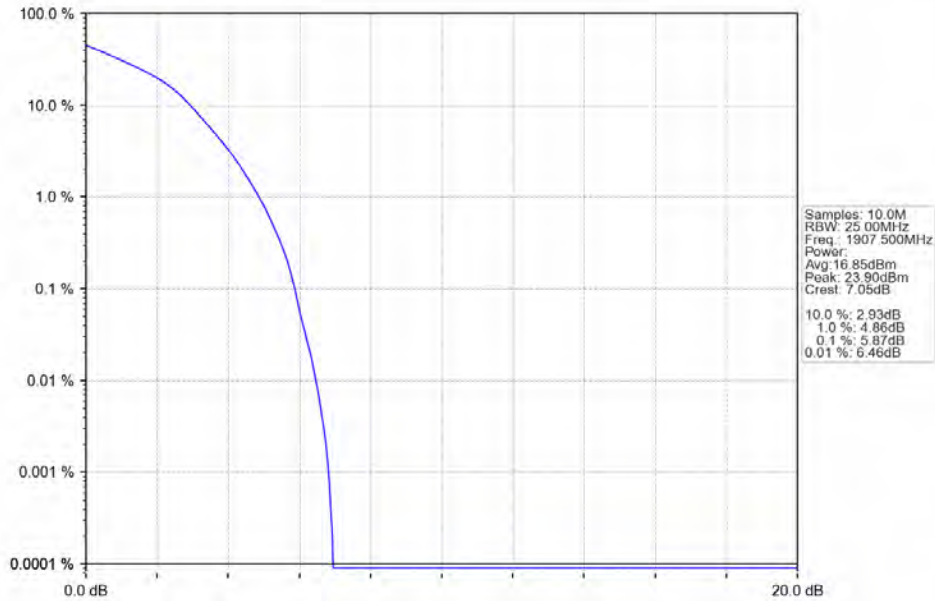
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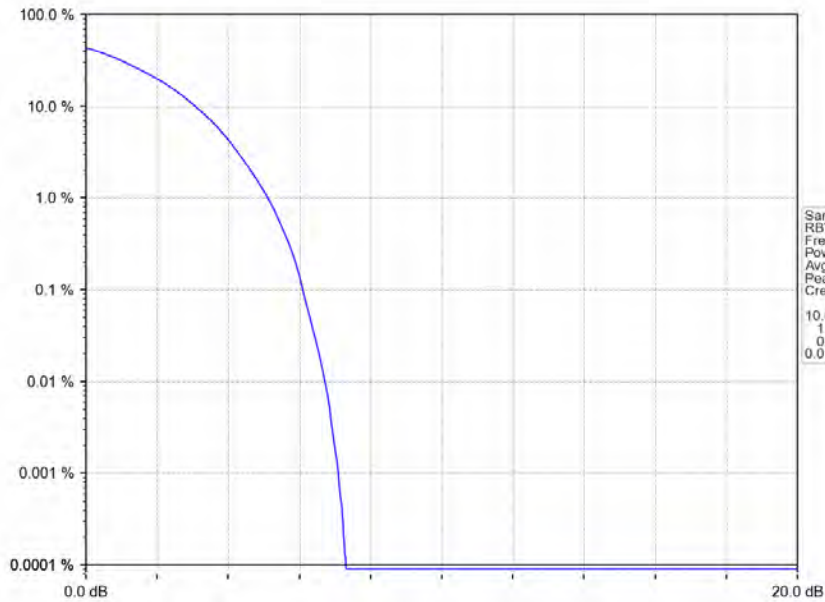
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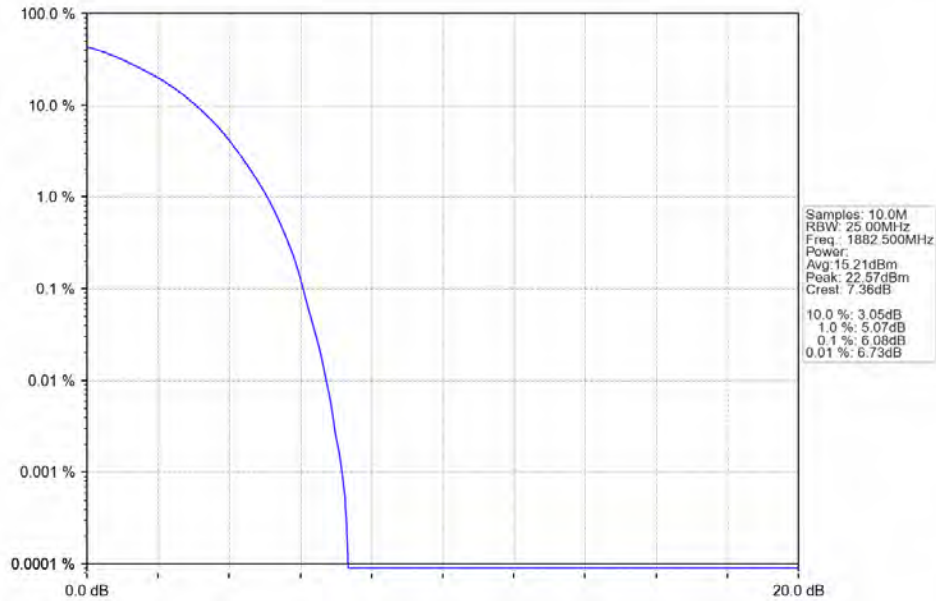
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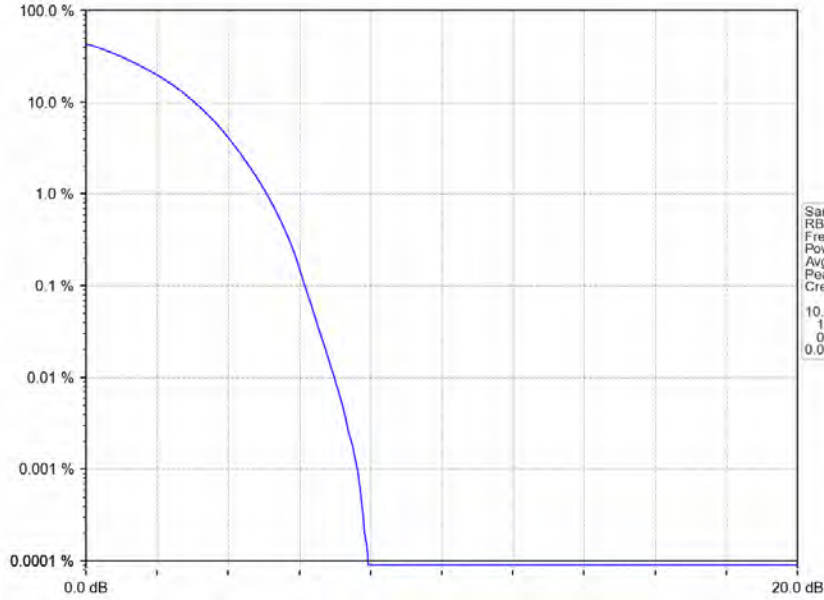
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Band25_15MHz_64QAM_HCH_1907.5MHz_RB_75_0_NTNV



Samples: 10.0M
RBW: 25.00MHz
Freq: 1907.500MHz
Power:
Avg: 15.85dBm
Peak: 23.89dBm
Crest: 8.04dB
10.0%: 3.04dB
1.0%: 5.08dB
0.1%: 6.15dB
0.01%: 6.98dB



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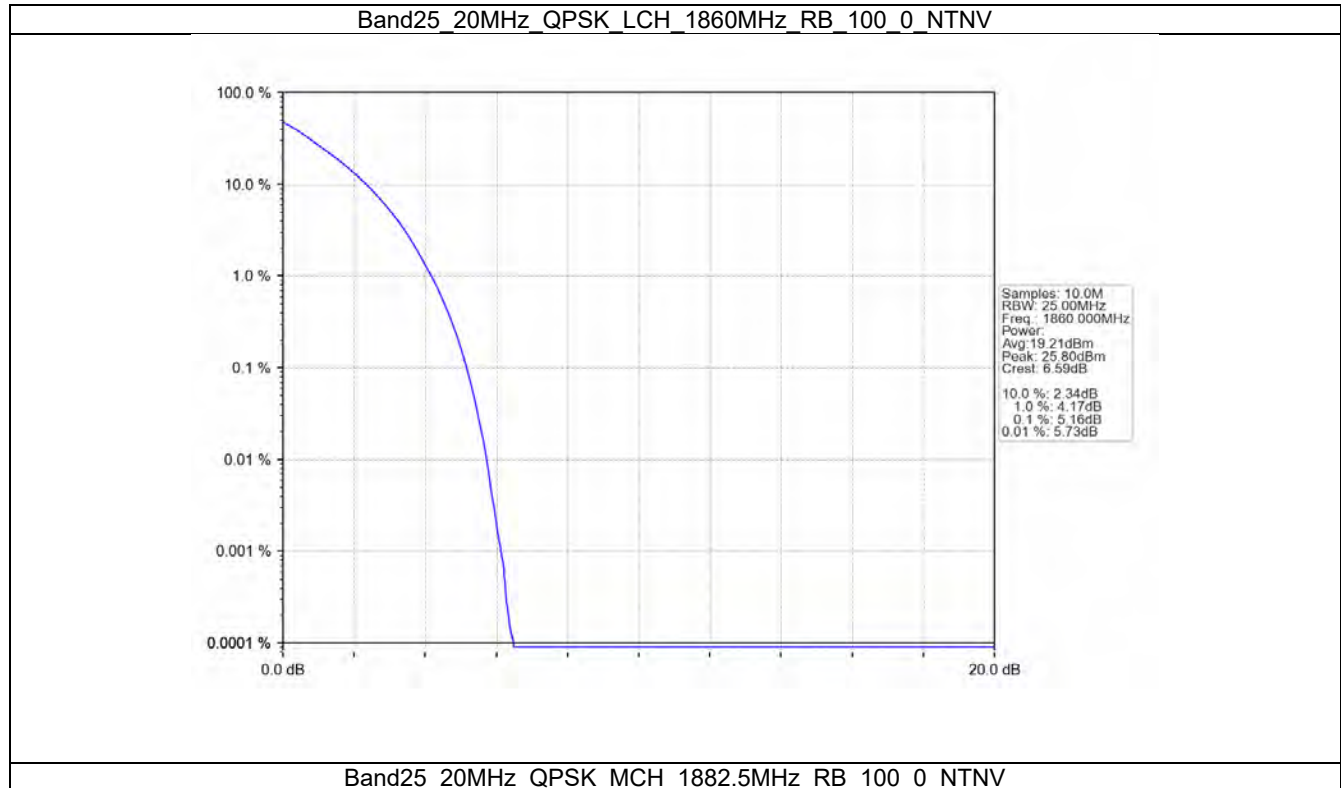
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4.6 B25_20MHz

4.6.2 Test Graph



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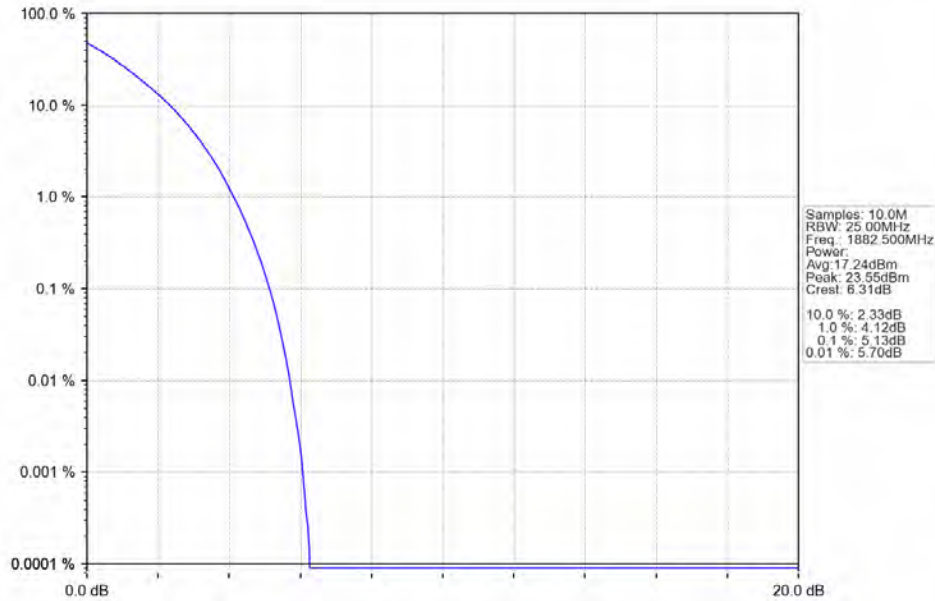
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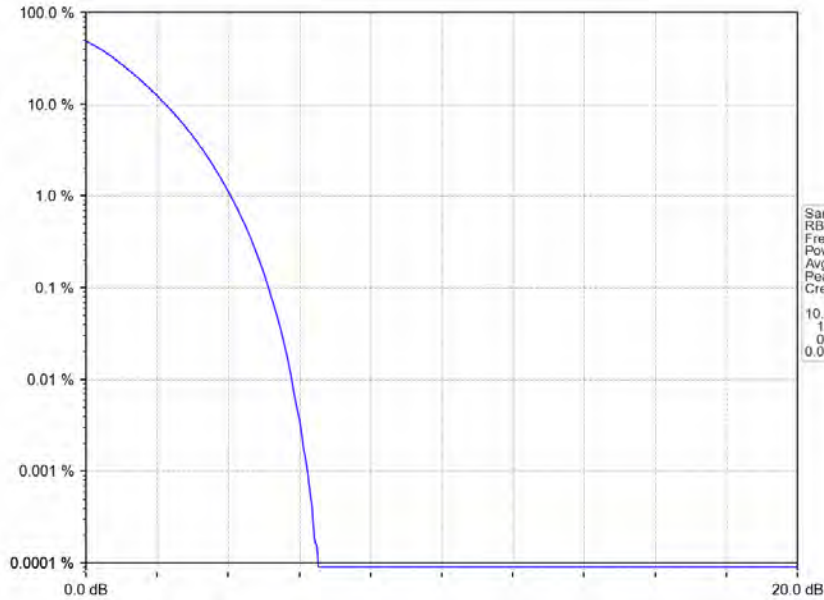
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Band25_20MHz_QPSK_HCH_1905MHz_RB_100_0_NTNV



Samples: 10.0M
RBW: 25.00MHz
Freq: 1905.000MHz
Power:
Avg: 17.68dBm
Peak: 24.28dBm
Crest: 6.60dB
10.0 %: 2.23dB
1.0 %: 4.07dB
0.1 %: 5.13dB
0.01 %: 5.78dB

Band25_20MHz_16QAM_LCH_1860MHz_RB_100_0_NTNV



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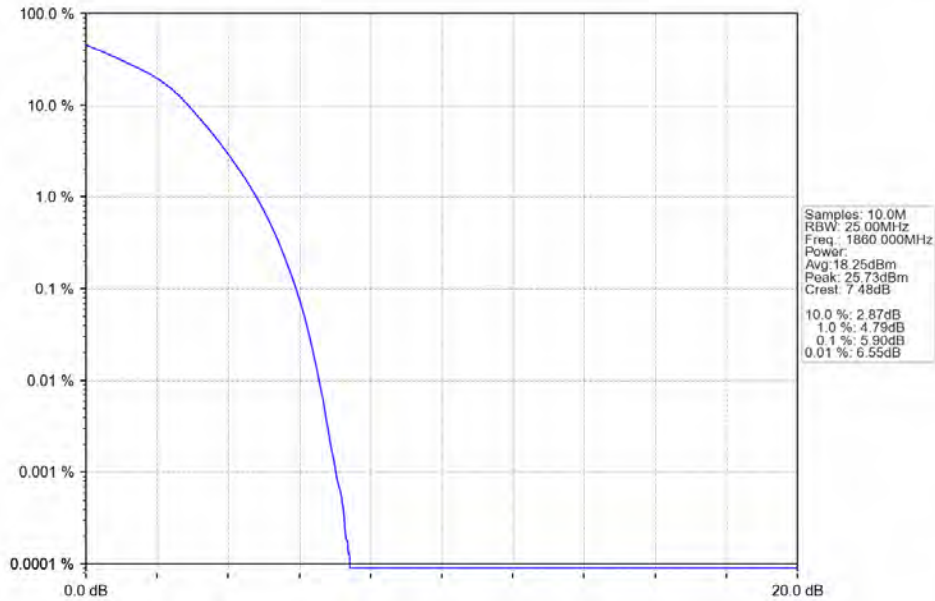
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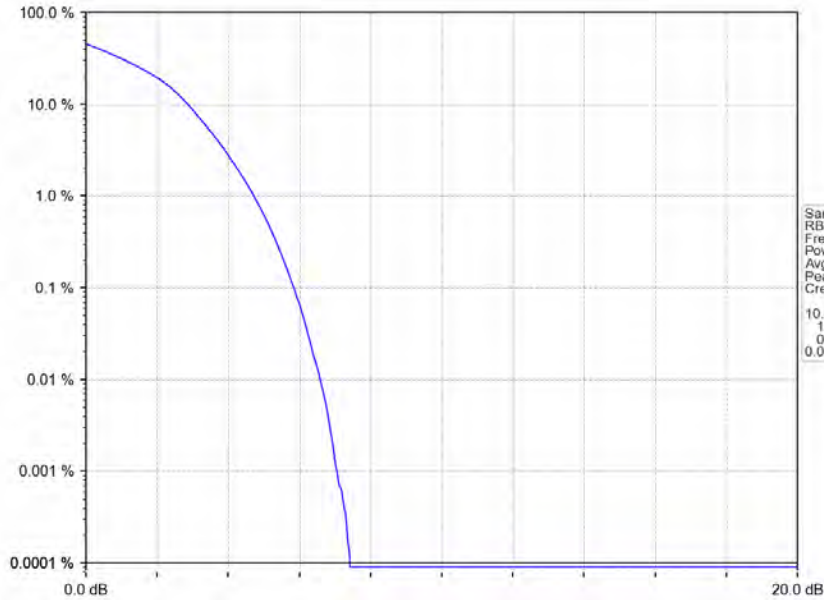
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Band25_20MHz_16QAM_MCH_1882.5MHz_RB_100_0_NTNV



Samples: 10.0M
RBW: 25.00MHz
Freq: 1882.500MHz
Power:
Avg: 16.28dBm
Peak: 23.79dBm
Crest: 7.51dB
10.0 %: 2.86dB
1.0 %: 4.72dB
0.1 %: 5.84dB
0.01 %: 6.58dB

Band25_20MHz_16QAM_HCH_1905MHz_RB_100_0_NTNV



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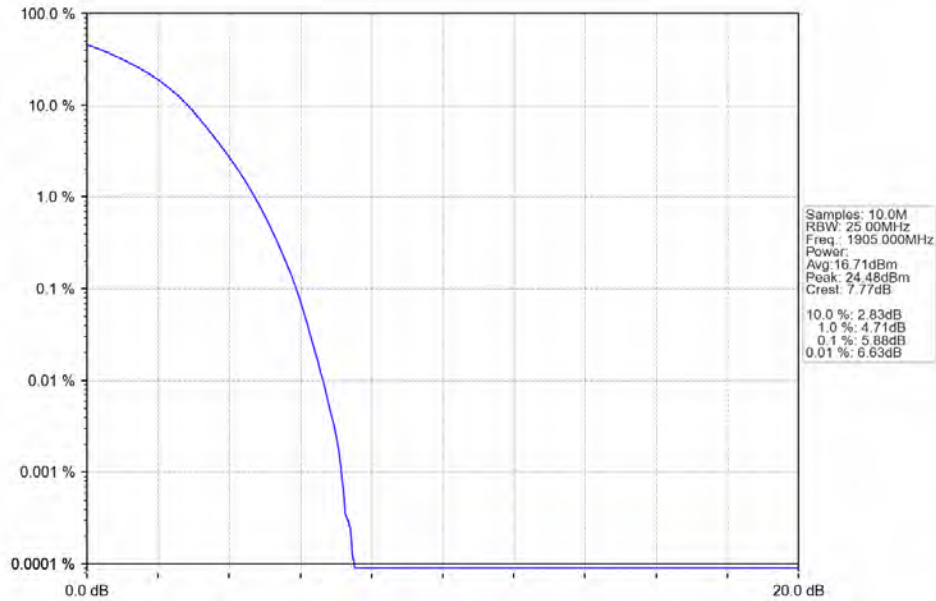
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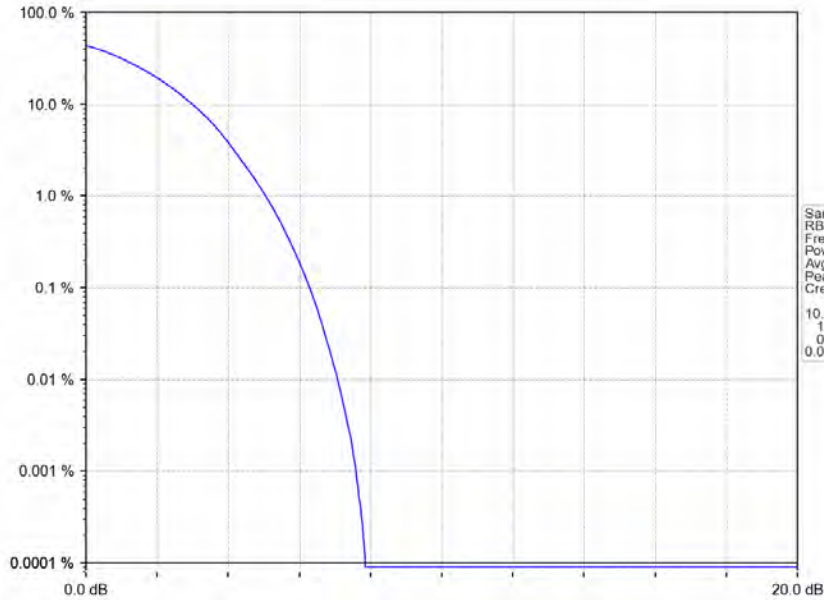
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Band25_20MHz_64QAM_LCH_1860MHz_RB_100_0_NTNV



Samples: 10.0M
RBW: 25.00MHz
Freq: 1860.000MHz
Power:
Avg: 17.21dBm
Peak: 25.17dBm
Crest: 7.96dB
10.0 %: 2.99dB
1.0 %: 5.05dB
0.1 %: 6.29dB
0.01 %: 7.07dB

Band25_20MHz_64QAM_MCH_1882.5MHz_RB_100_0_NTNV



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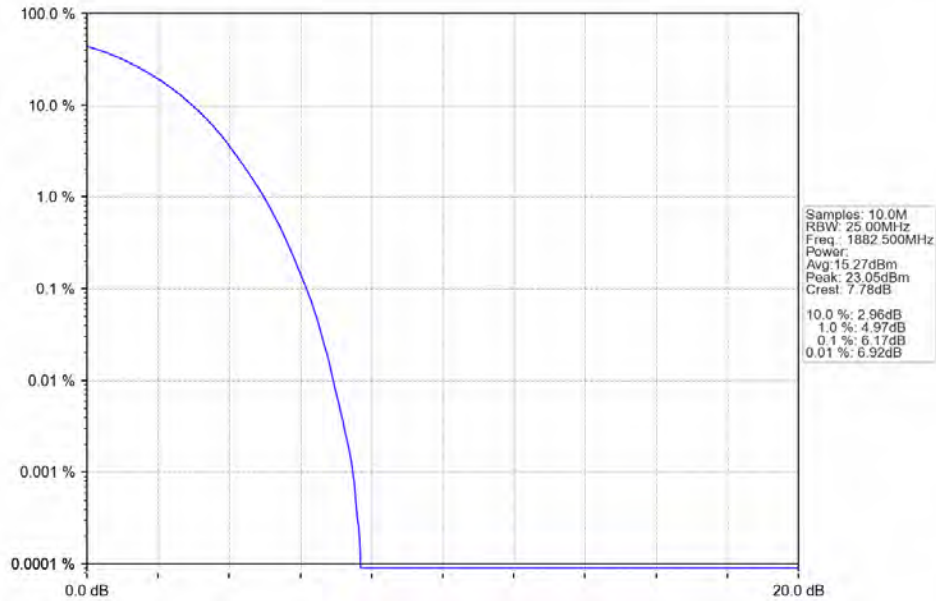
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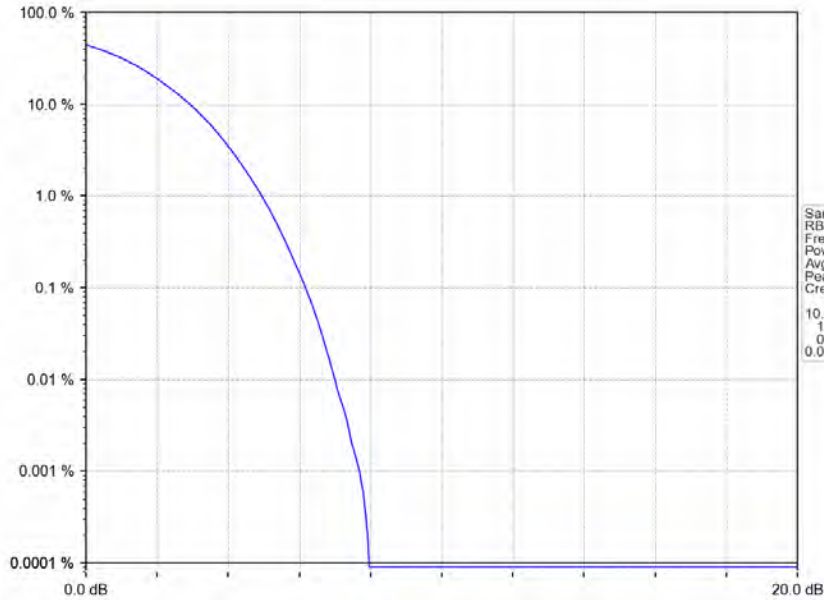
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Band25_20MHz_64QAM_HCH_1905MHz_RB_100_0_NTNV



Samples: 10.0M
RBW: 25.00MHz
Freq.: 1905.000MHz
Power:
Avg: 15.72dBm
Peak: 23.76dBm
Crest: 8.04dB
10.0 %: 2.92dB
1.0 %: 4.94dB
0.1 %: 6.17dB
0.01 %: 7.00dB



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5. Spurious Emission & Band Edges

5.1 B25_1.4MHz

5.1.1 Test Result

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

5.2 B25_3MHz

5.2.1 Test Result

Band: 25 / Bandwidth: 3MHz / NTNV					
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission	
		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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5.3 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

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

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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5.6 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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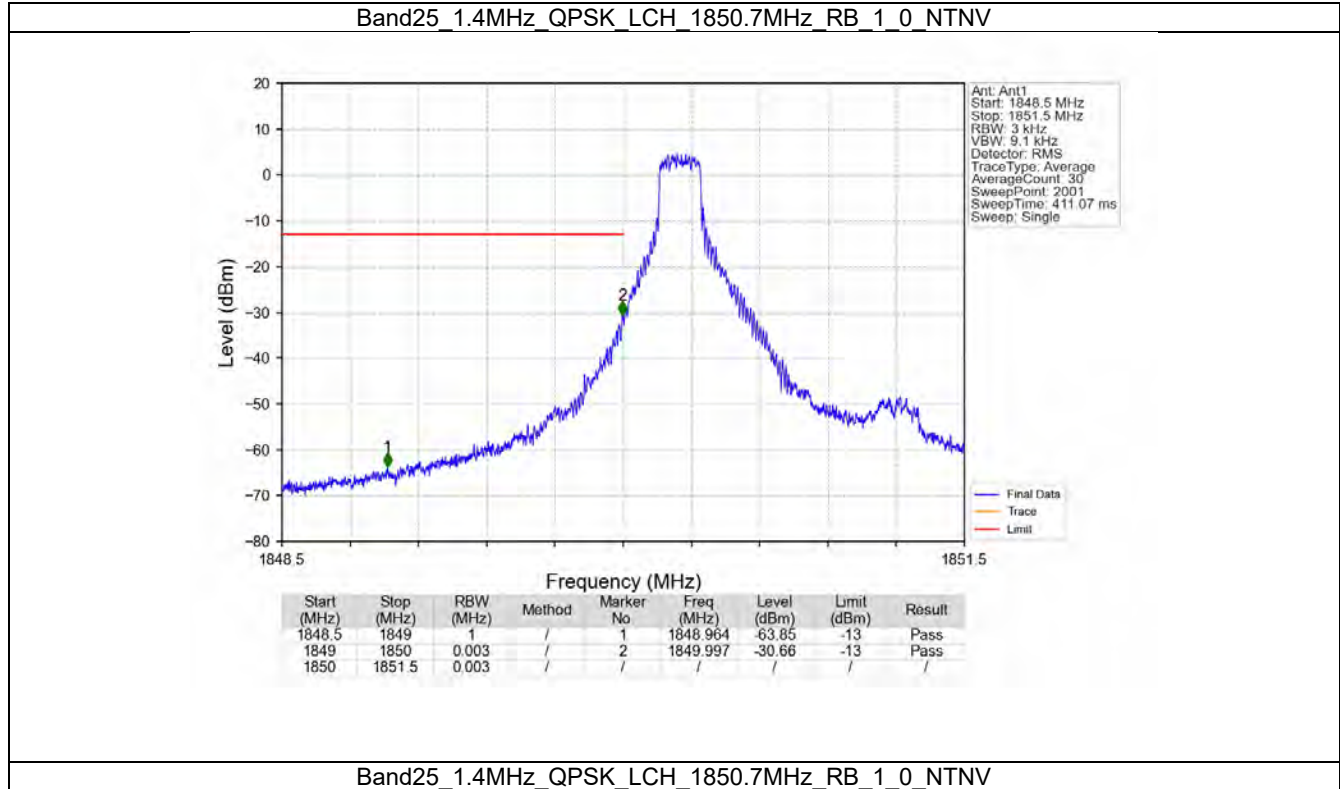
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5.1 B25_1.4MHz

5.1.2 Test Graph



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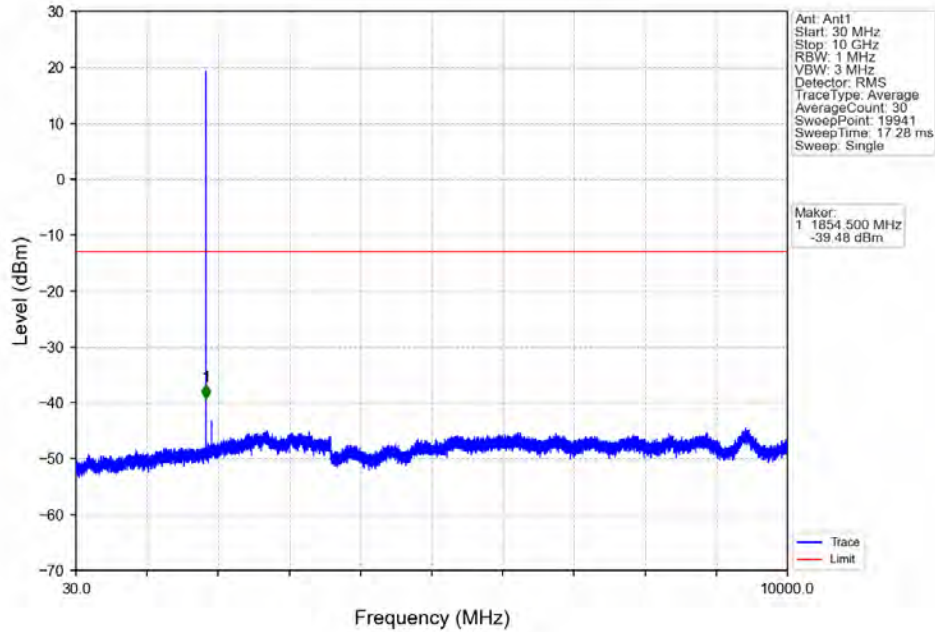
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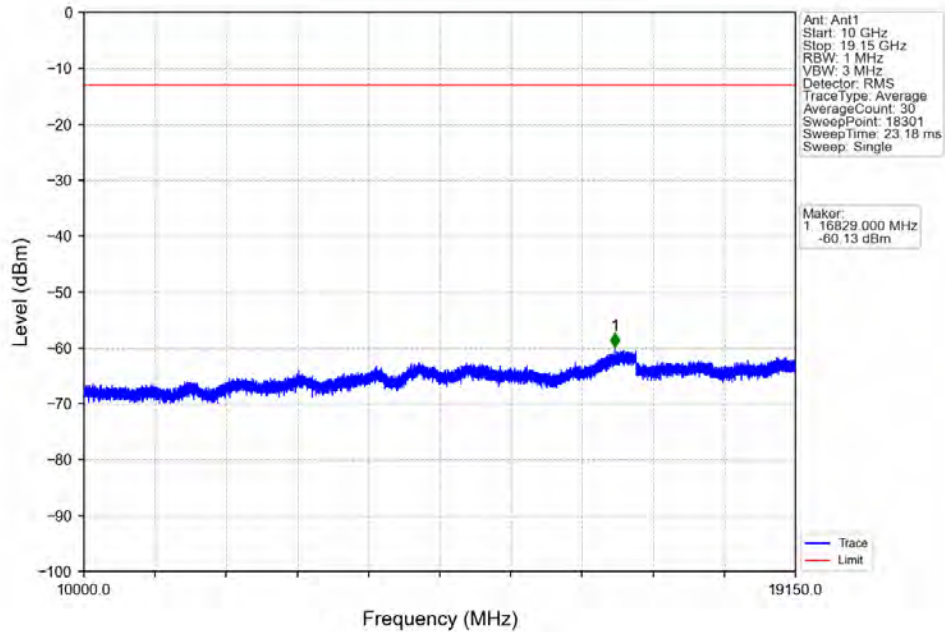
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Band25_1.4MHz_QPSK_LCH_1850.7MHz_RB_1_0_NTNV



Band25_1.4MHz_QPSK_LCH_1850.7MHz_RB_6_0_NTNV



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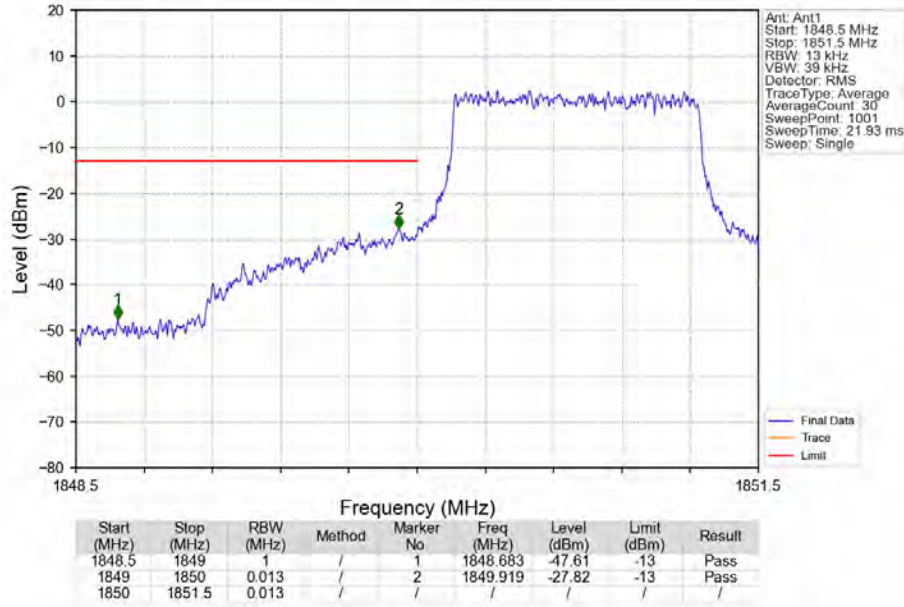
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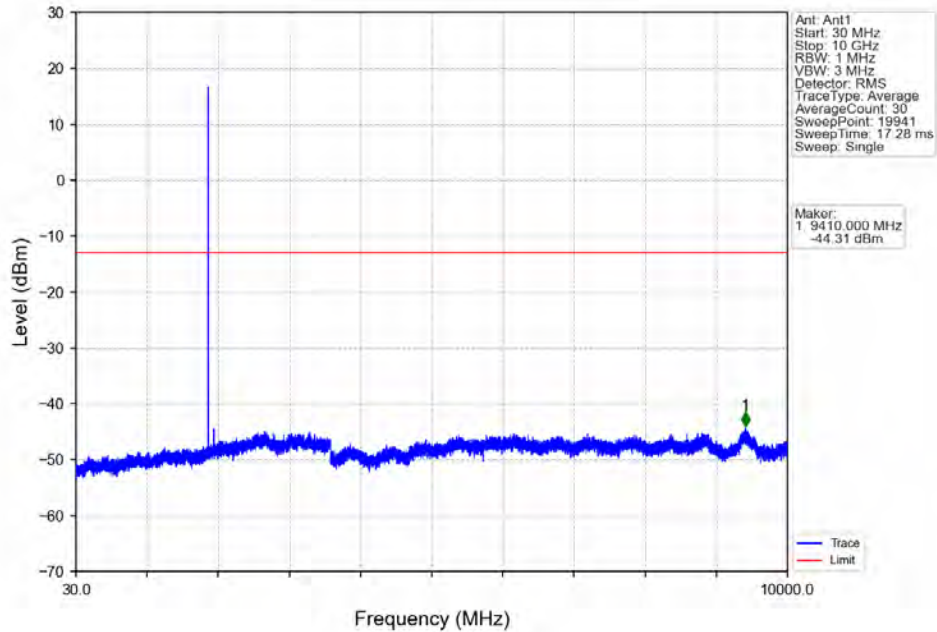
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Band25 1.4MHz QPSK MCH 1882.5MHz RB 1 0 NTNV



Band25 1.4MHz QPSK MCH 1882.5MHz RB 1 0 NTNV



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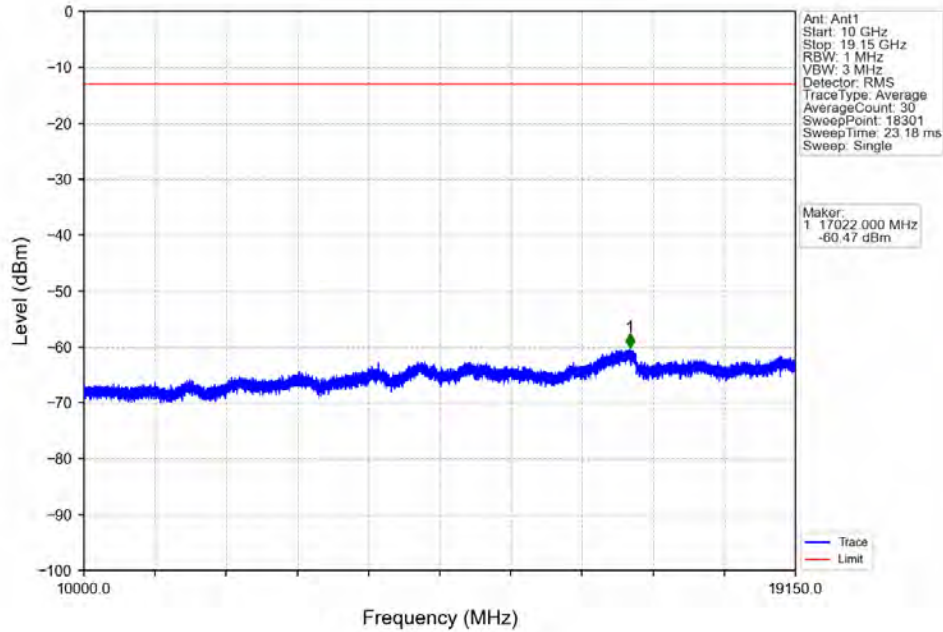
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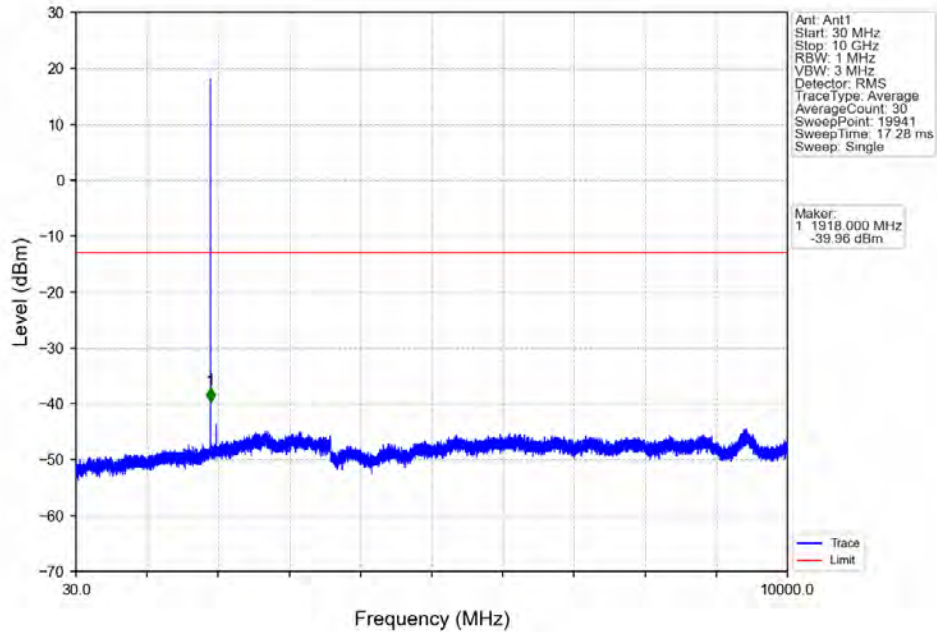
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Band25 1.4MHz QPSK HCH 1914.3MHz_RB_1_0_NTNV



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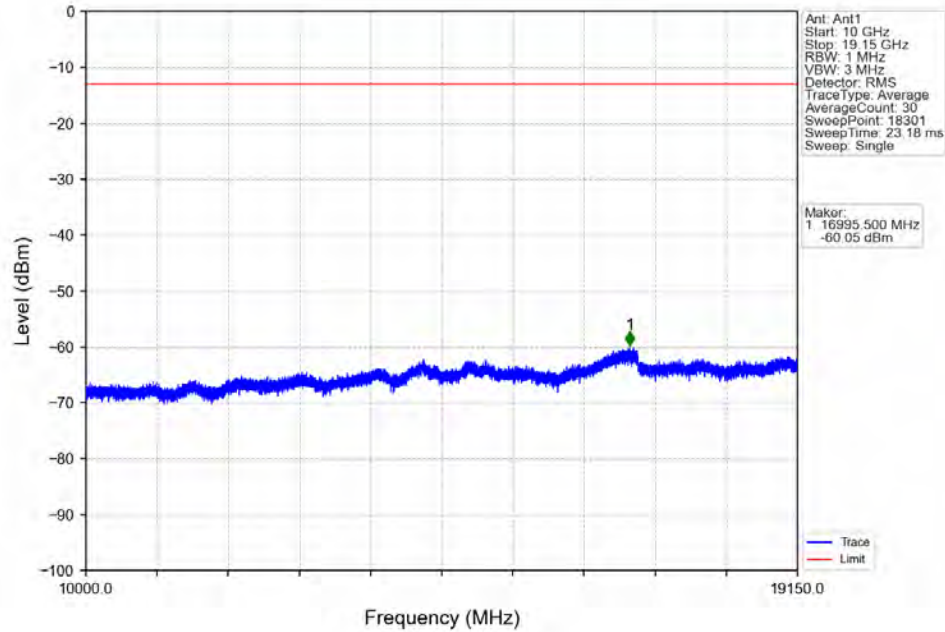
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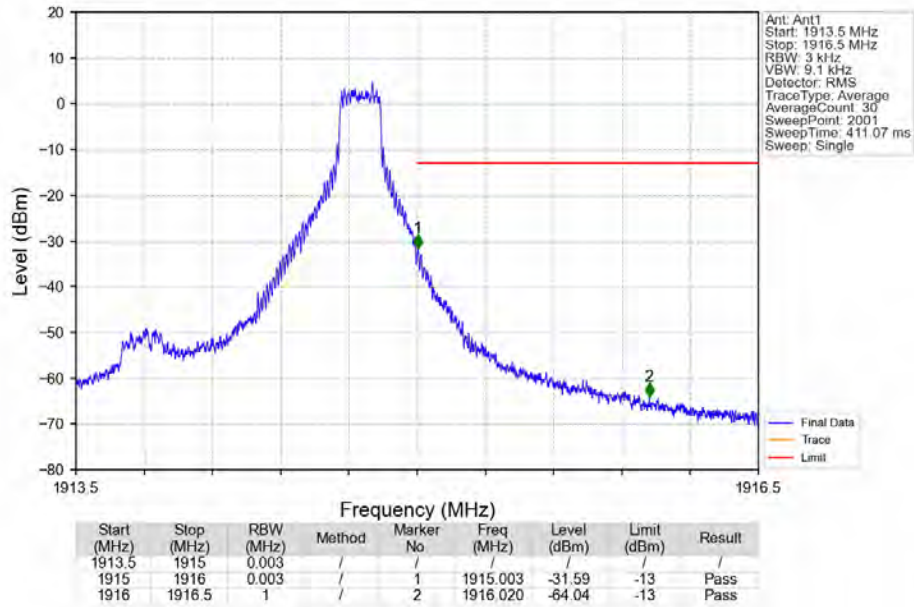
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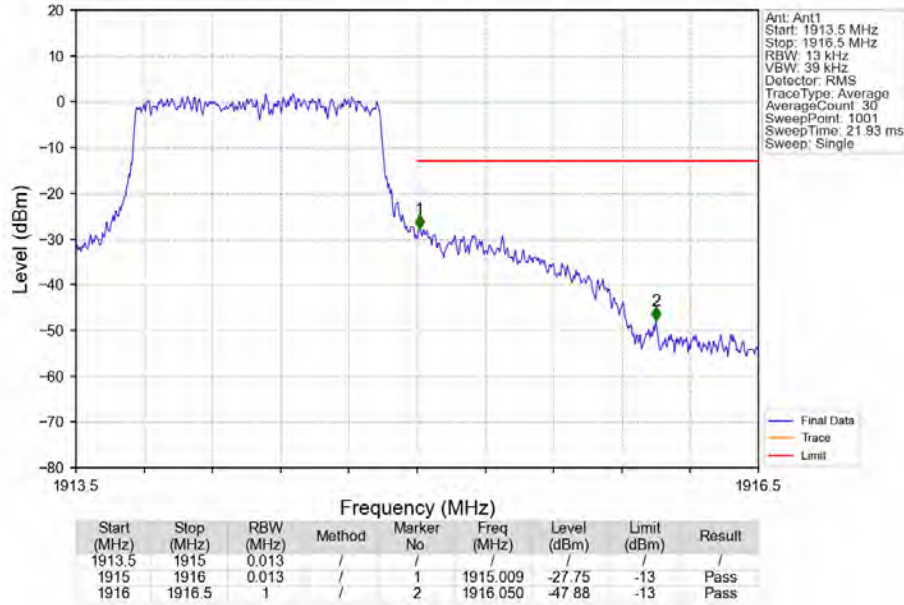
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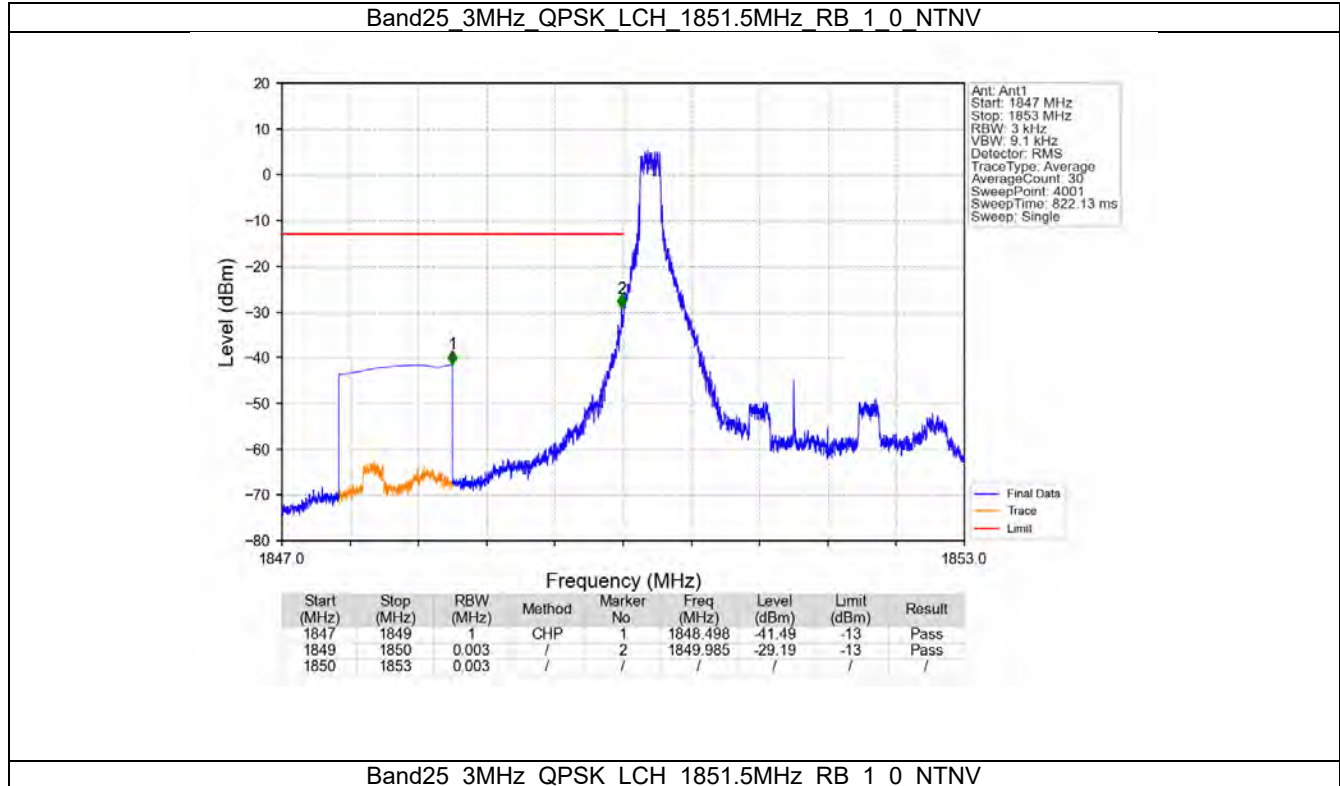
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5.2 B25_3MHz

5.2.2 Test Graph



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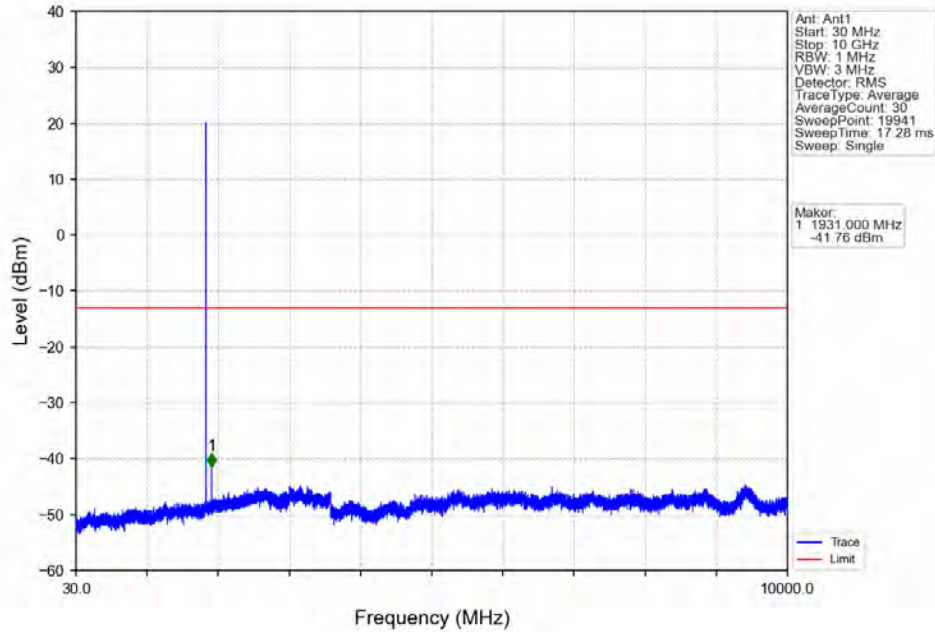
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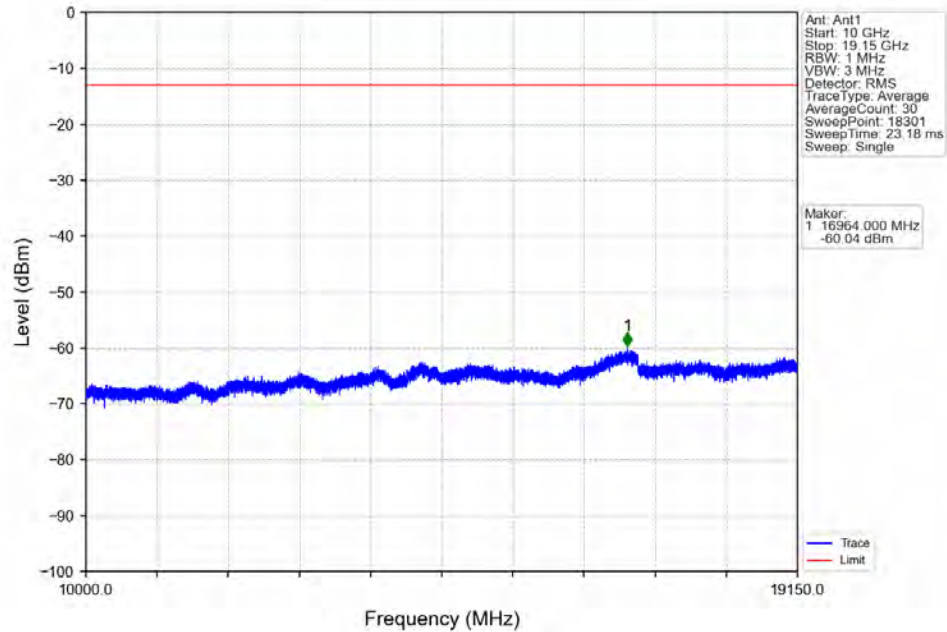
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Band25_3MHz_QPSK_LCH_1851.5MHz_RB_1_0_NTNV



Band25_3MHz_QPSK_LCH_1851.5MHz_RB_15_0_NTNV



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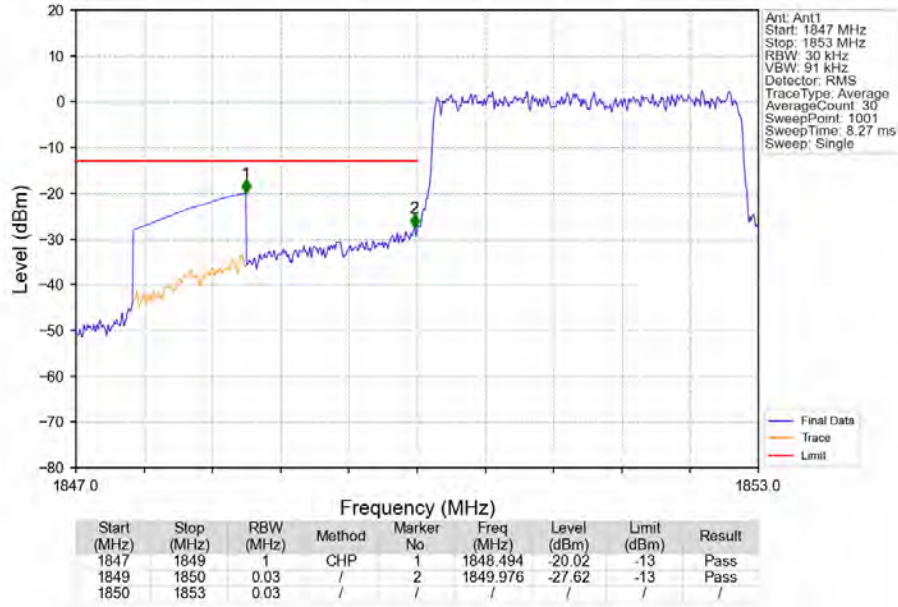
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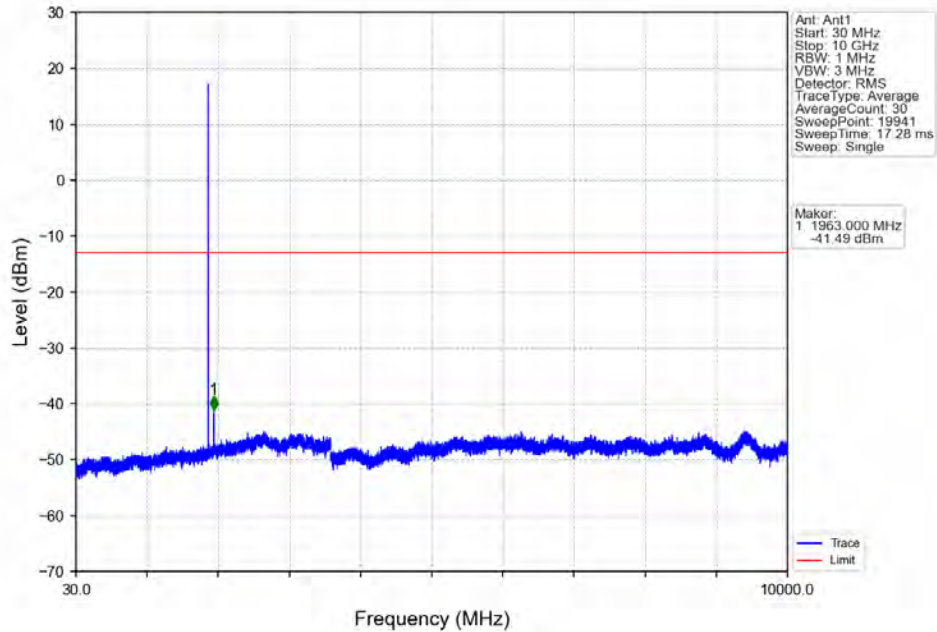
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Band25_3MHz_QPSK_MCH_1882.5MHz_RB_1_0_NTNV



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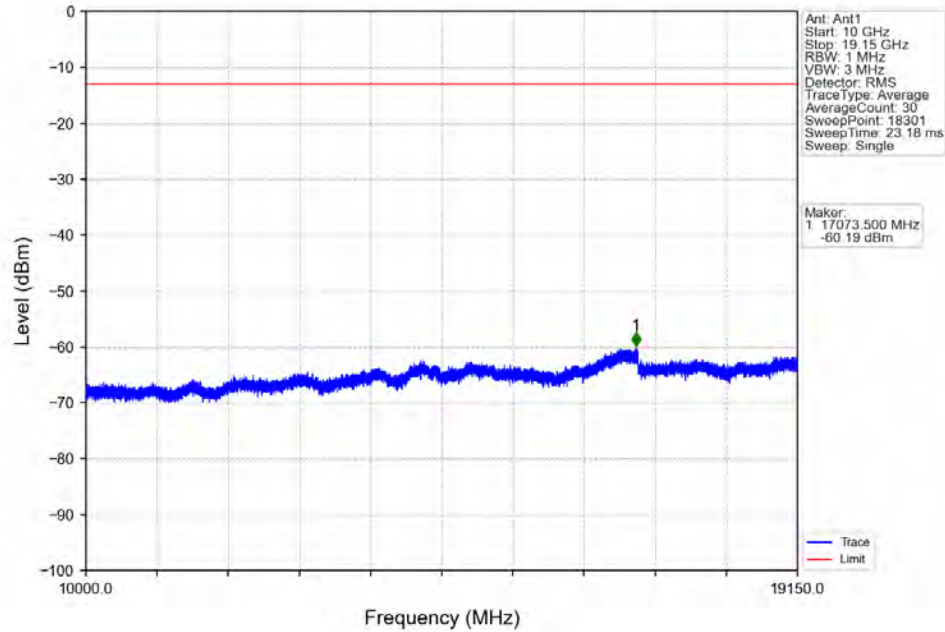
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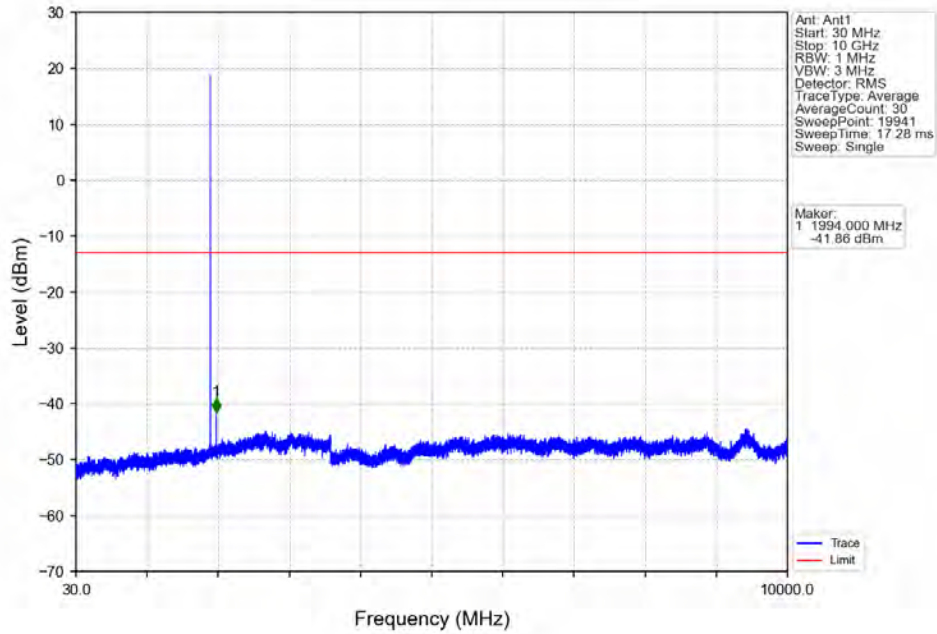
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Band25_3MHz_QPSK_HCH_1913.5MHz_RB_1_0_NTNV



Band25_3MHz_QPSK_HCH_1913.5MHz_RB_1_0_NTNV



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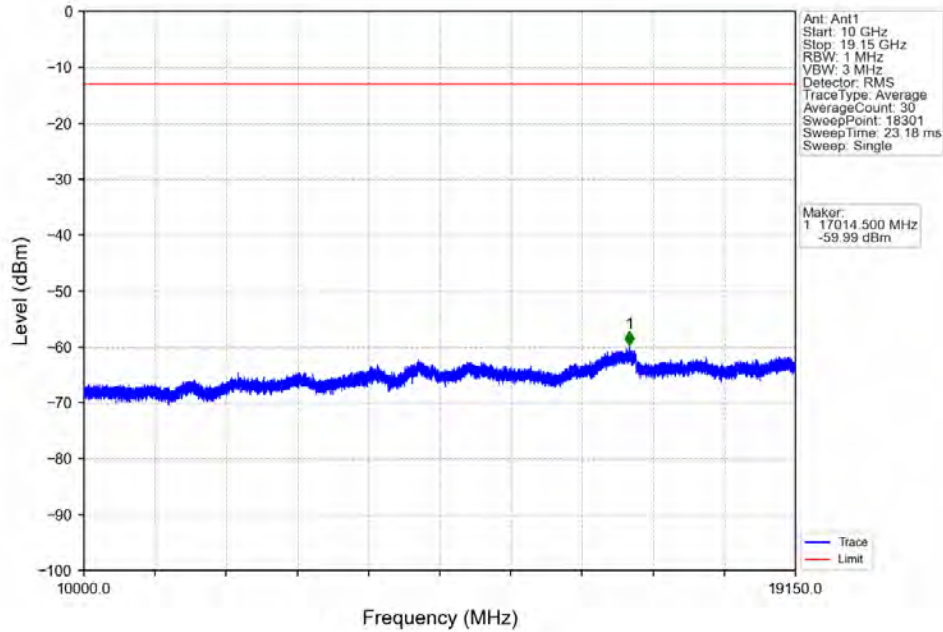
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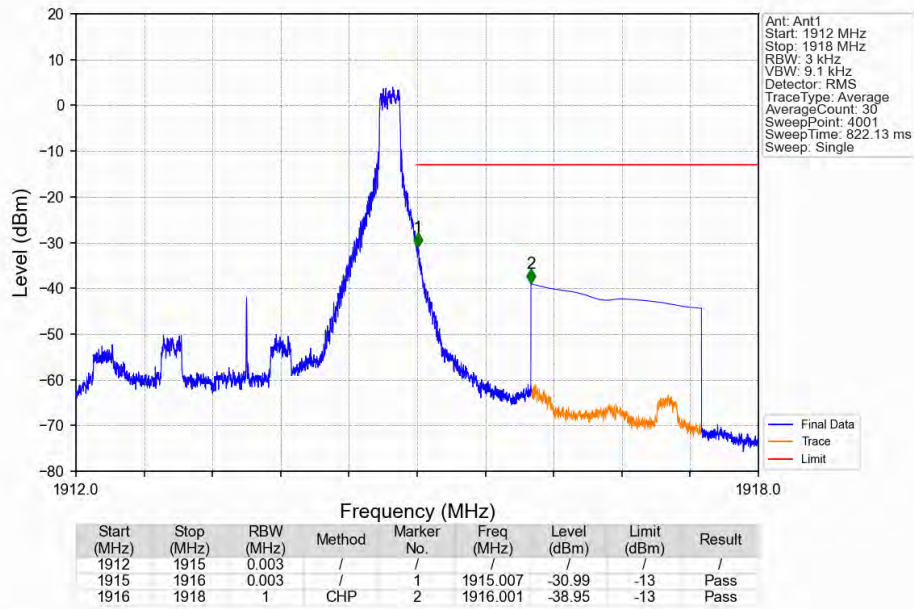
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Band25_3MHz_QPSK_HCH_1913.5MHz_RB_15_0_NTNV



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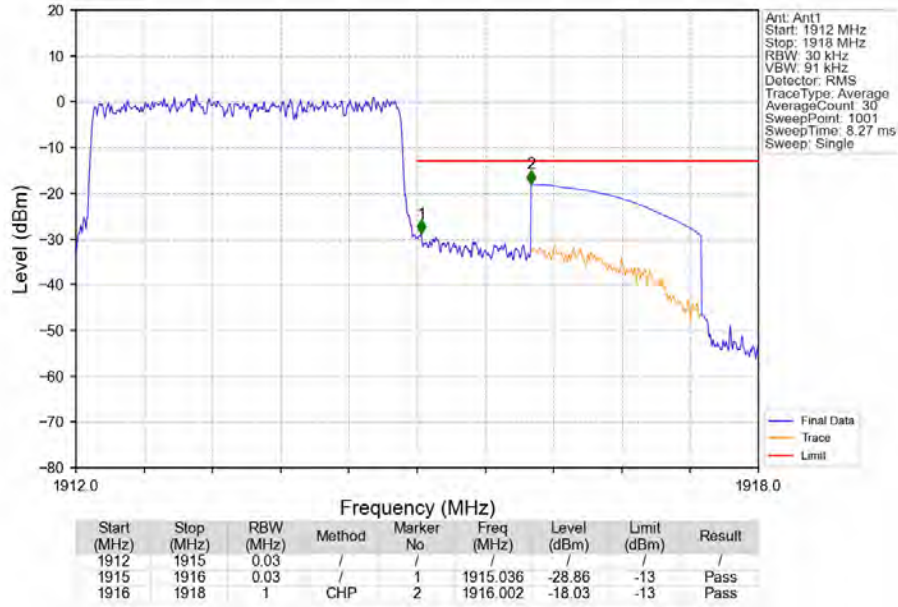
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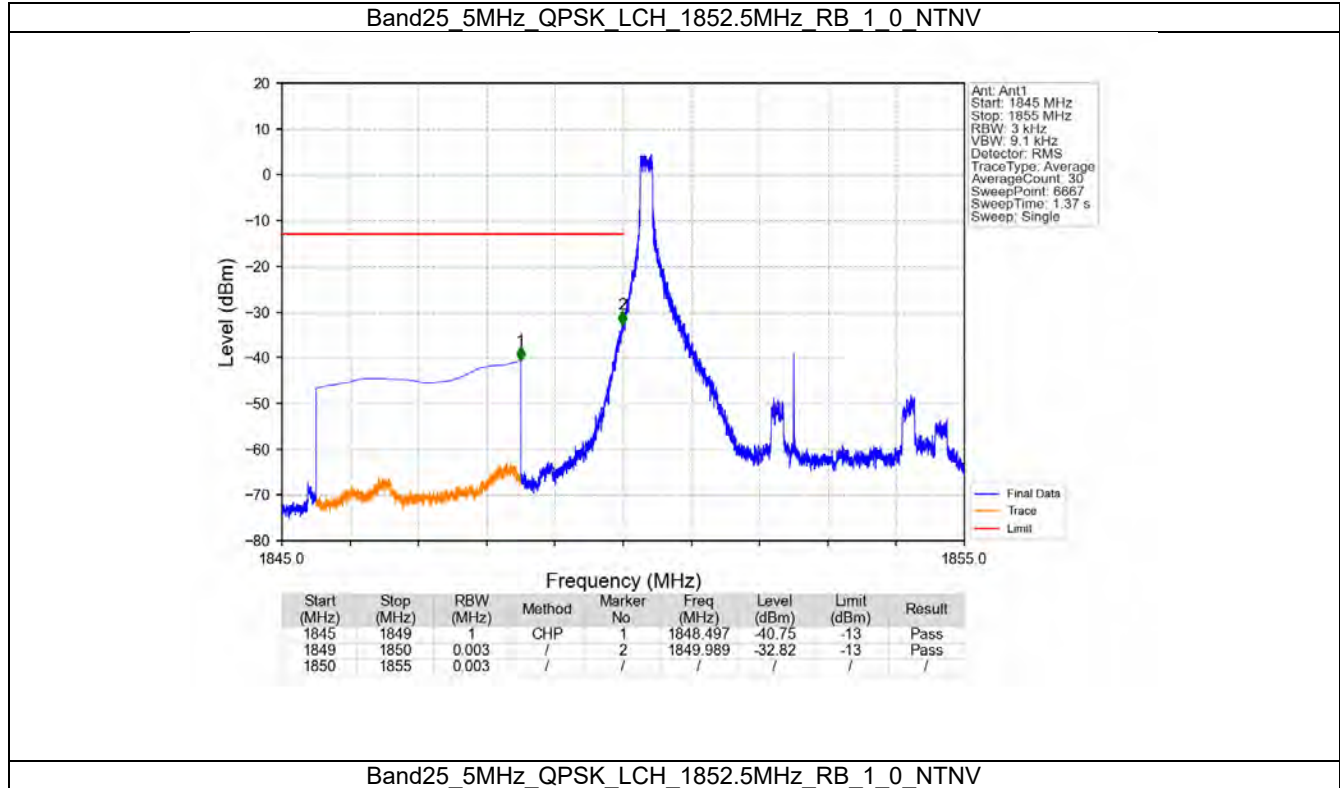
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5.3 B25_5MHz

5.3.2 Test Graph



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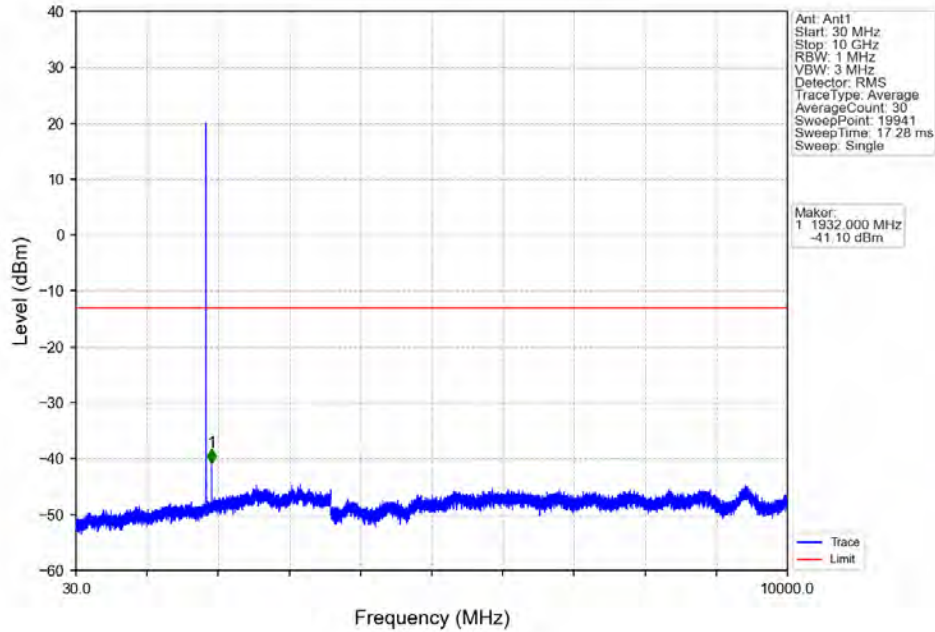
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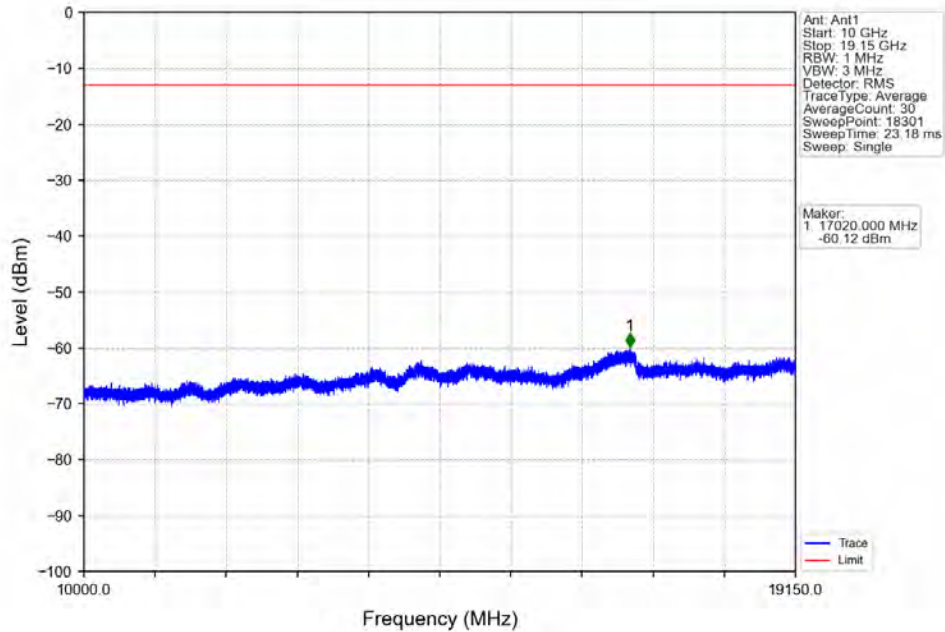
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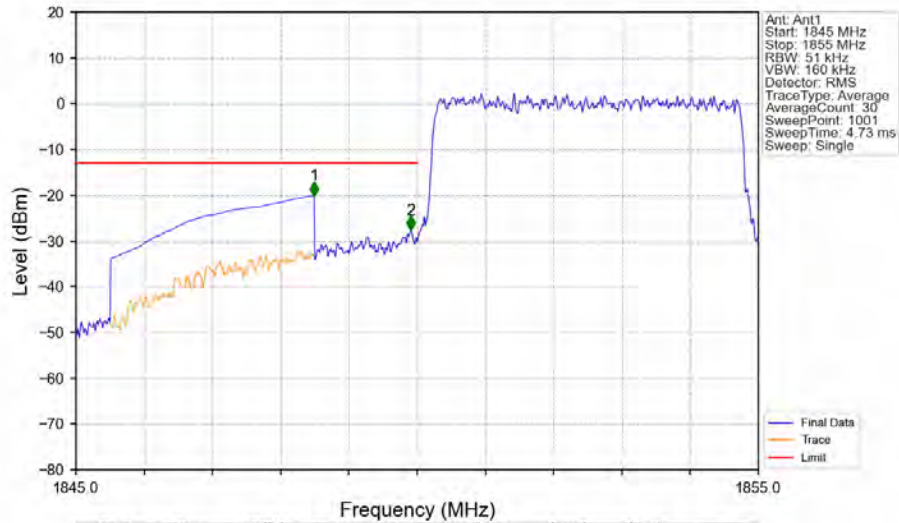
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Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1845	1849	1	CHP	1	1848.490	-20.12	-13	Pass
1849	1850	0.051	/	2	1849.910	-27.66	-13	Pass
1850	1855	0.051	/	/	/	/	/	/



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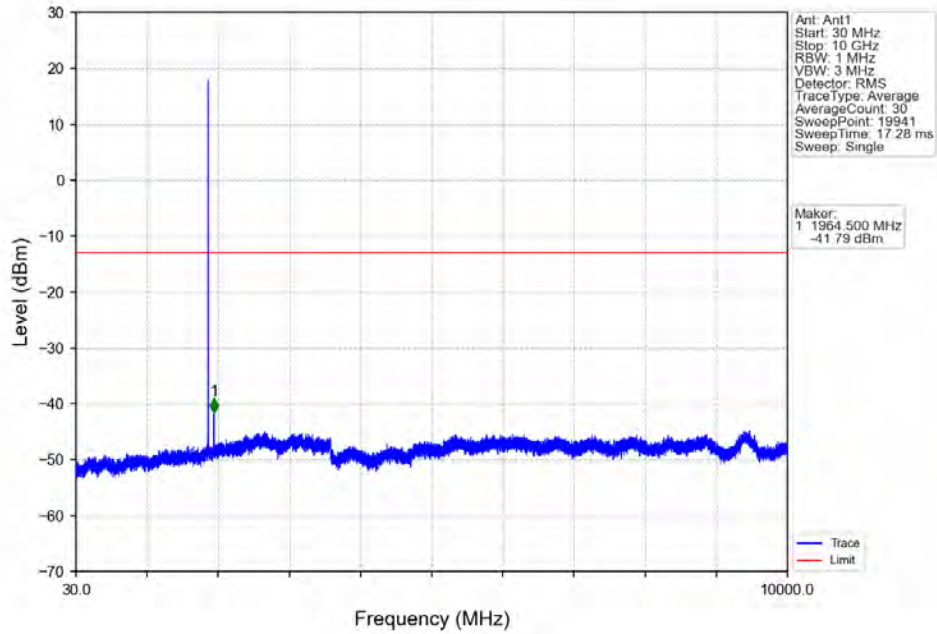
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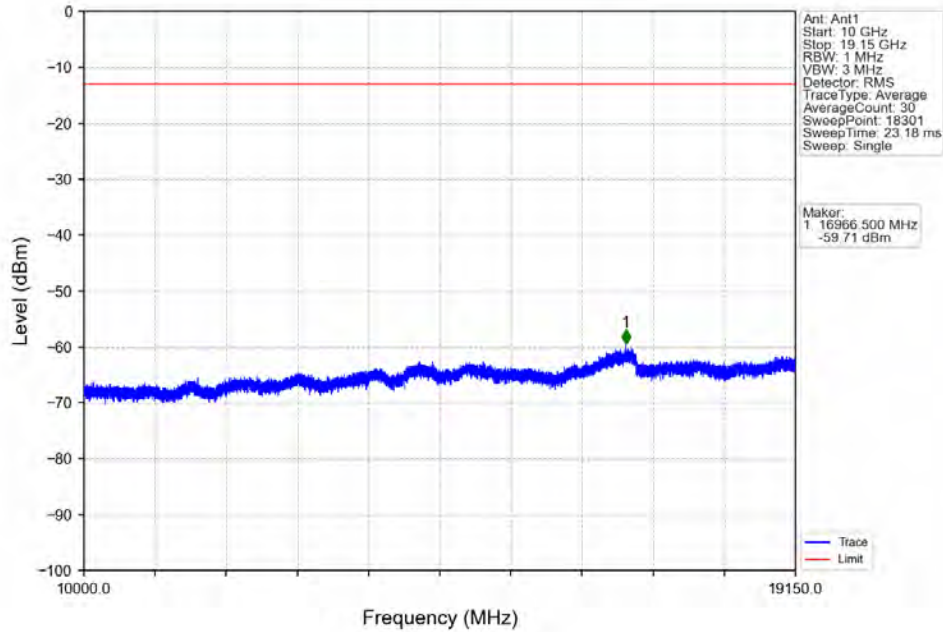
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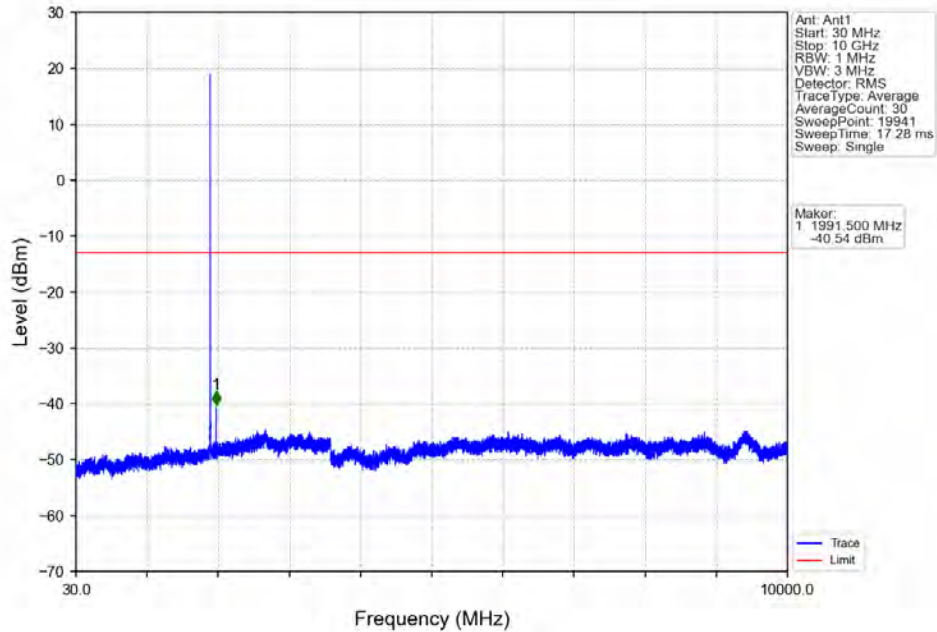
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Band25_5MHz_QPSK_HCH_1912.5MHz_RB_1_0_NTNV



Band25_5MHz_QPSK_HCH_1912.5MHz_RB_1_0_NTNV



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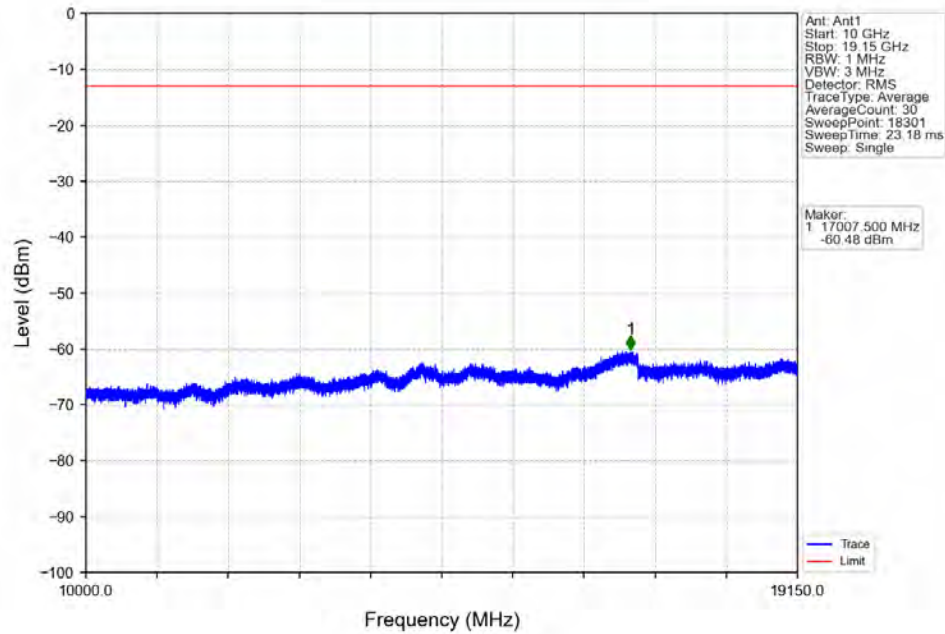
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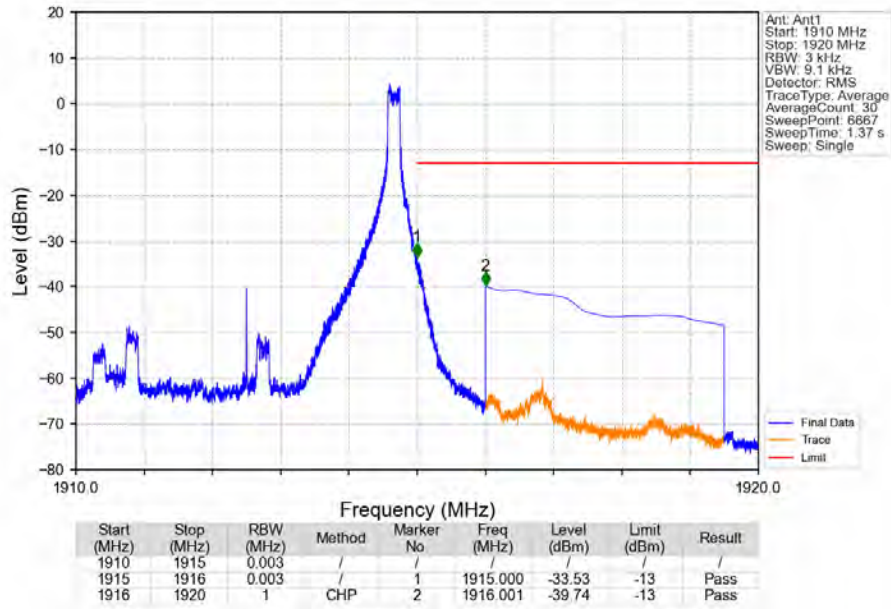
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Band25_5MHz_QPSK_HCH_1912.5MHz_RB_1_24_NTNV



Band25_5MHz_QPSK_HCH_1912.5MHz_RB_25_0_NTNV



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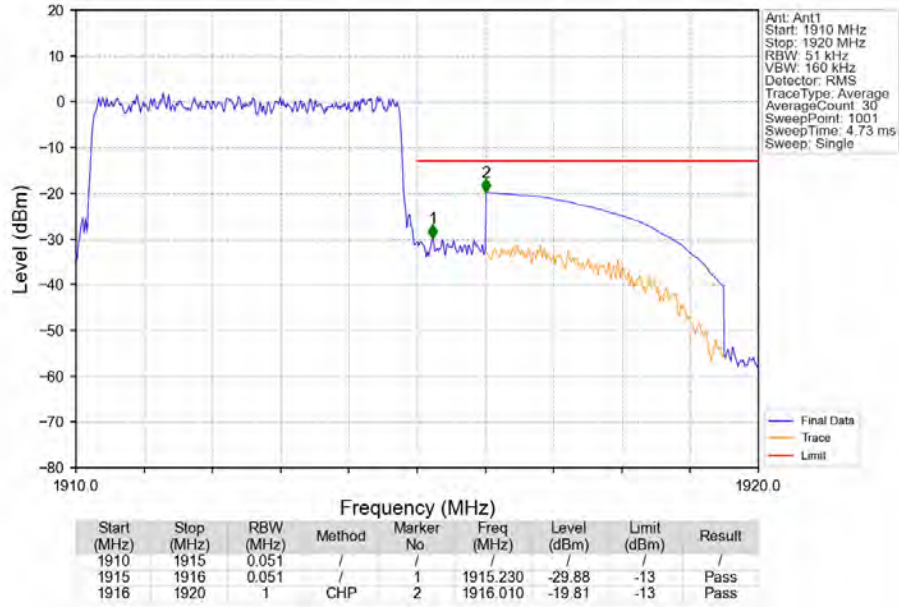
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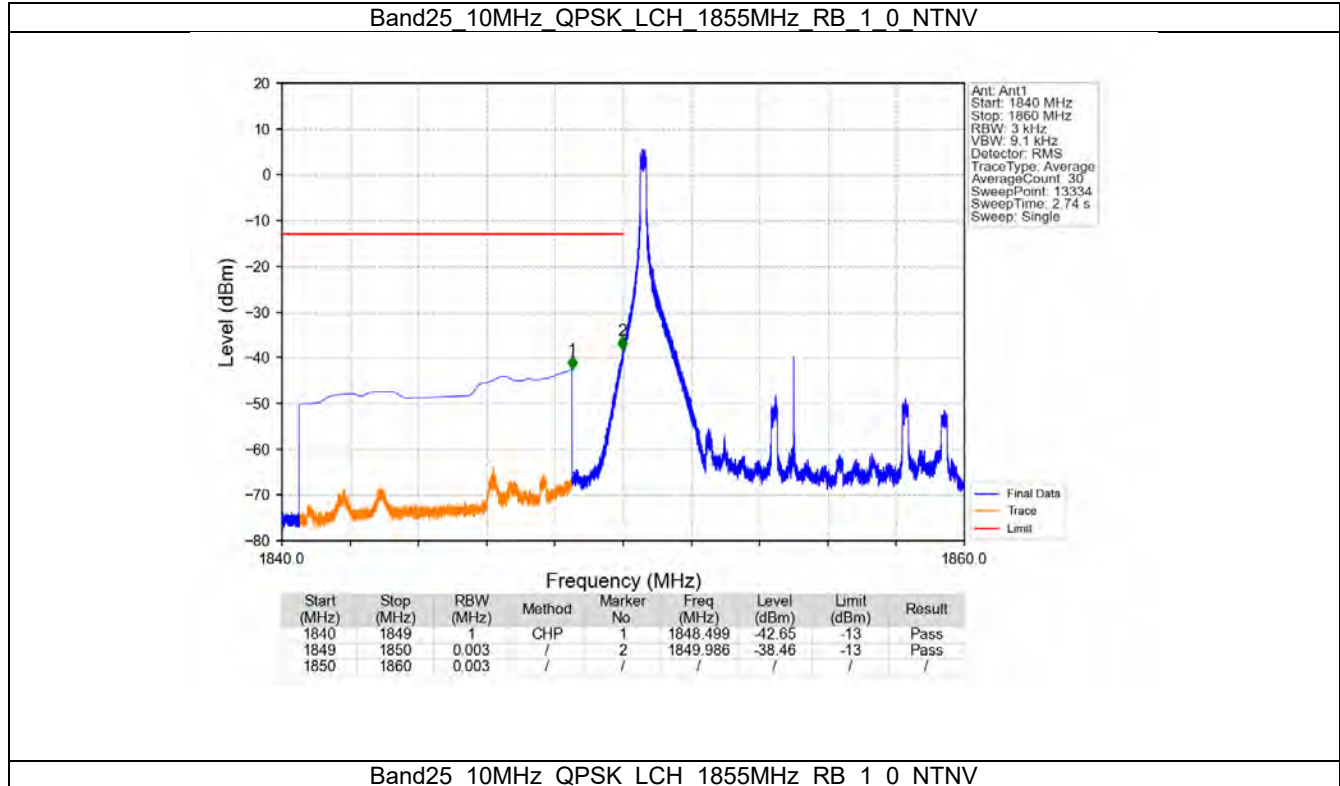
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5.4 B25_10MHz

5.4.2 Test Graph



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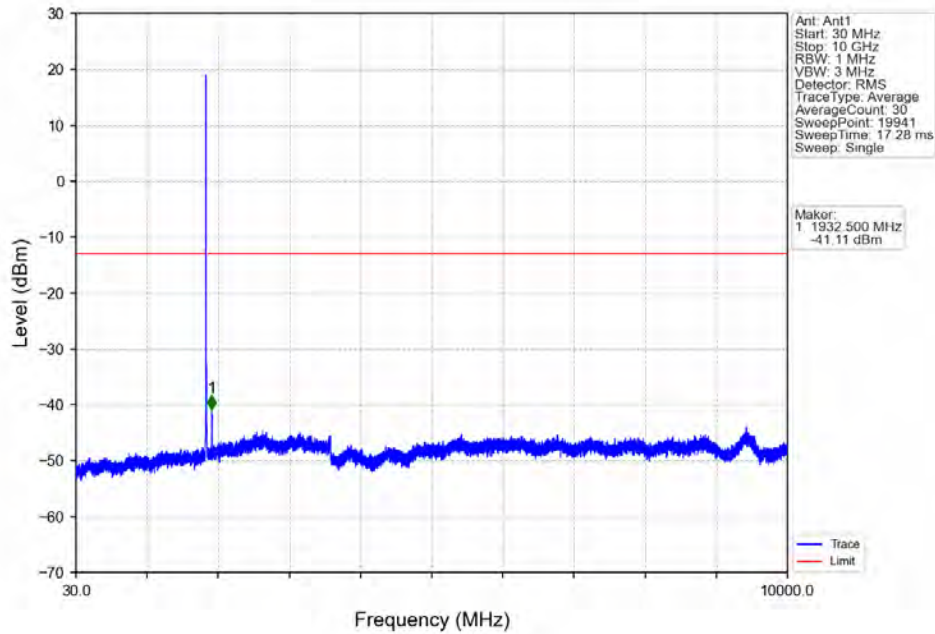
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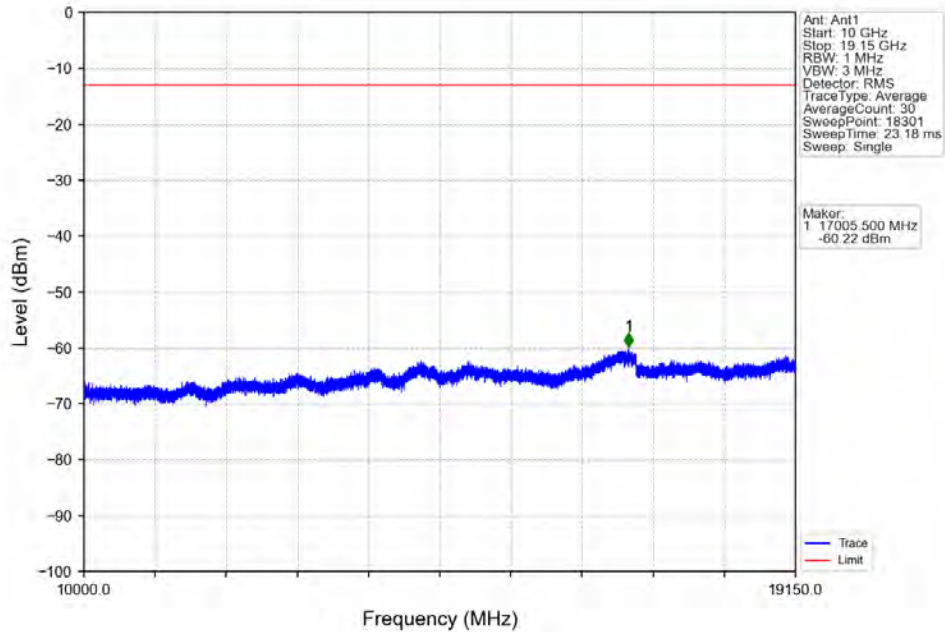
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Band25_10MHz_QPSK_LCH_1855MHz_RB_50_0_NTNV



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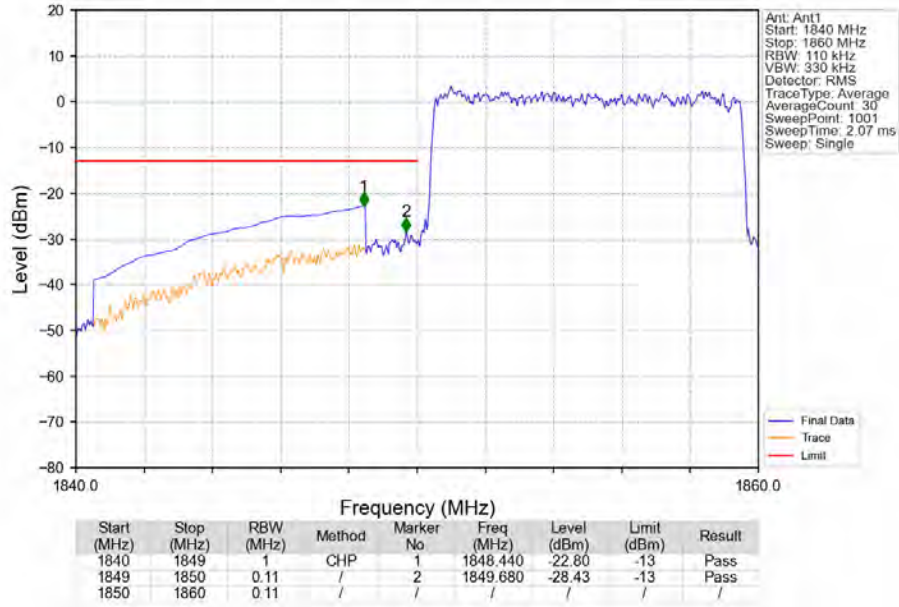
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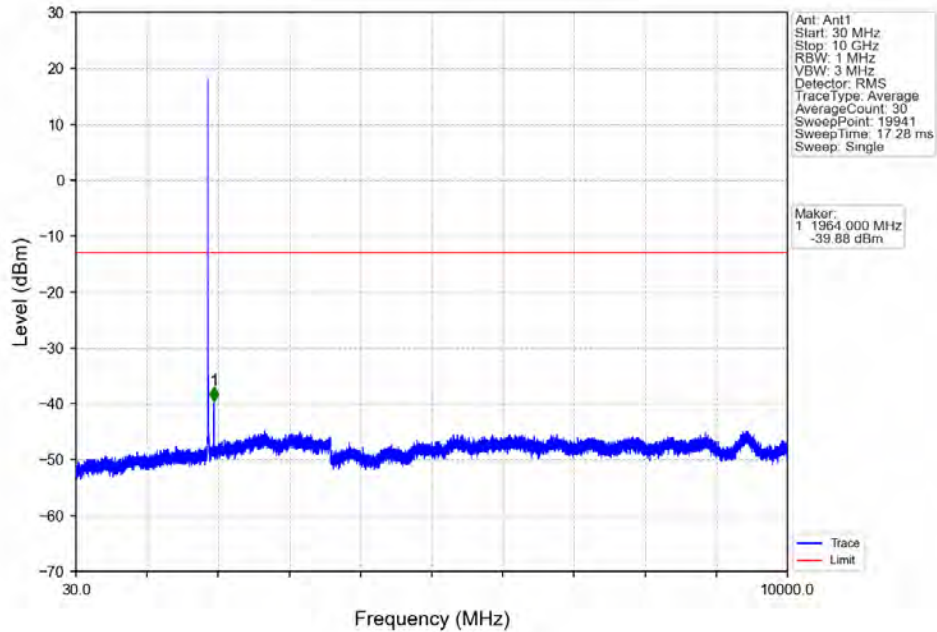
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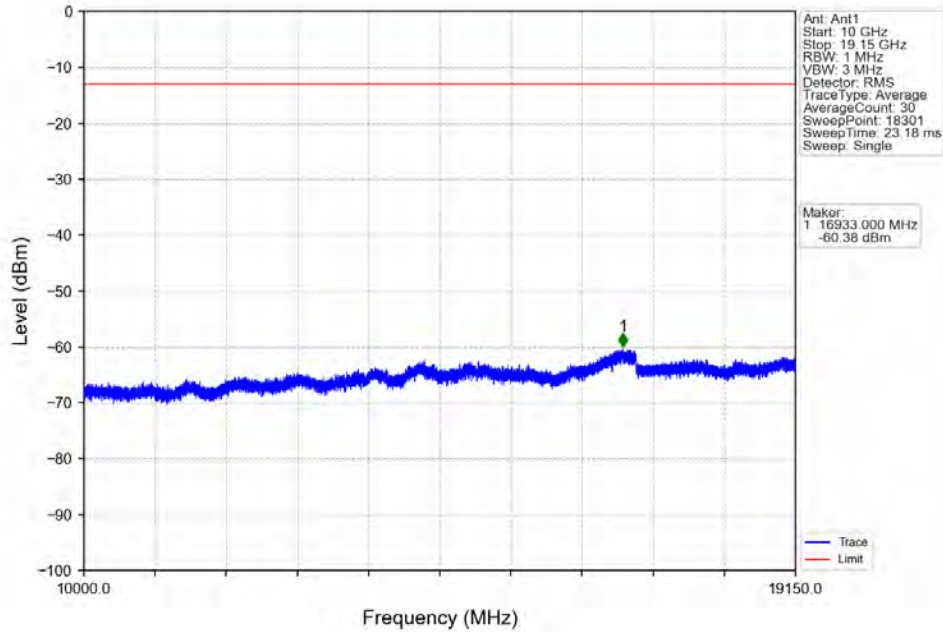
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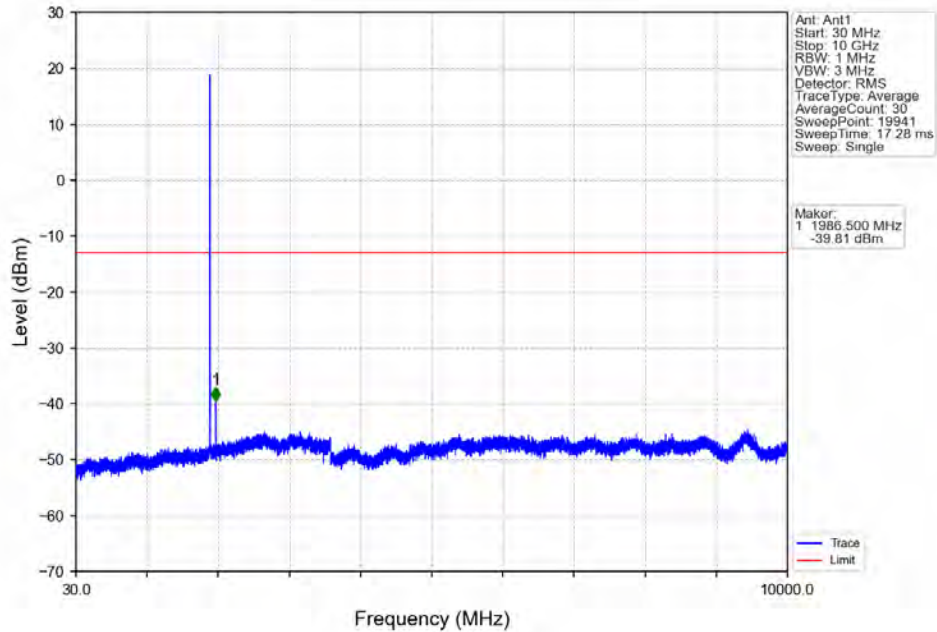
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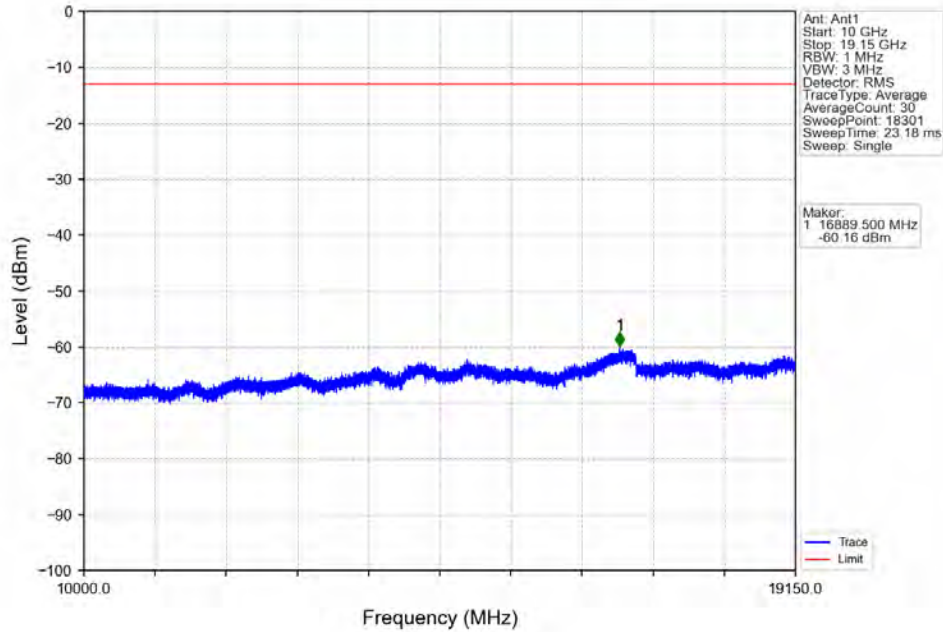
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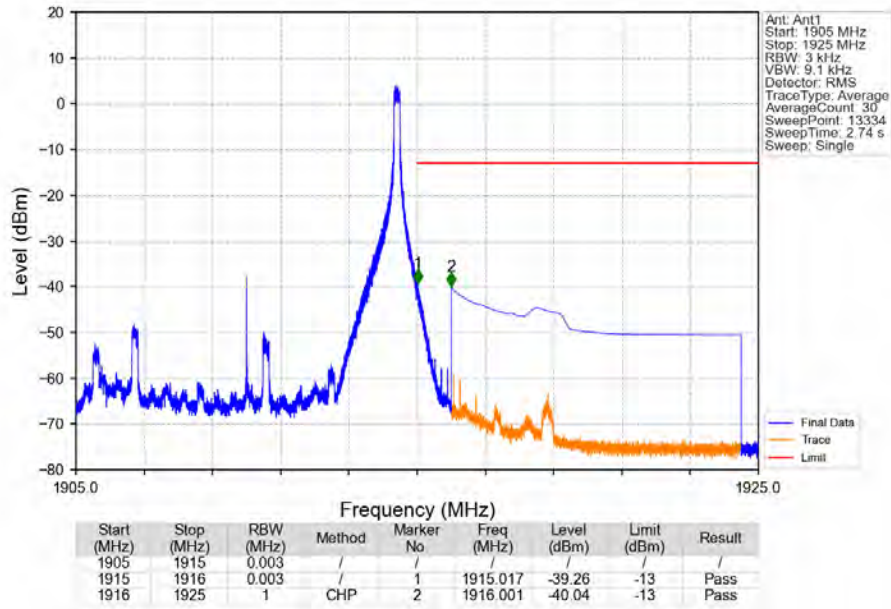
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Band25_10MHz QPSK HCH_1910MHz_RB_1_49_NTNV



Band25_10MHz QPSK HCH_1910MHz_RB_50_0_NTNV



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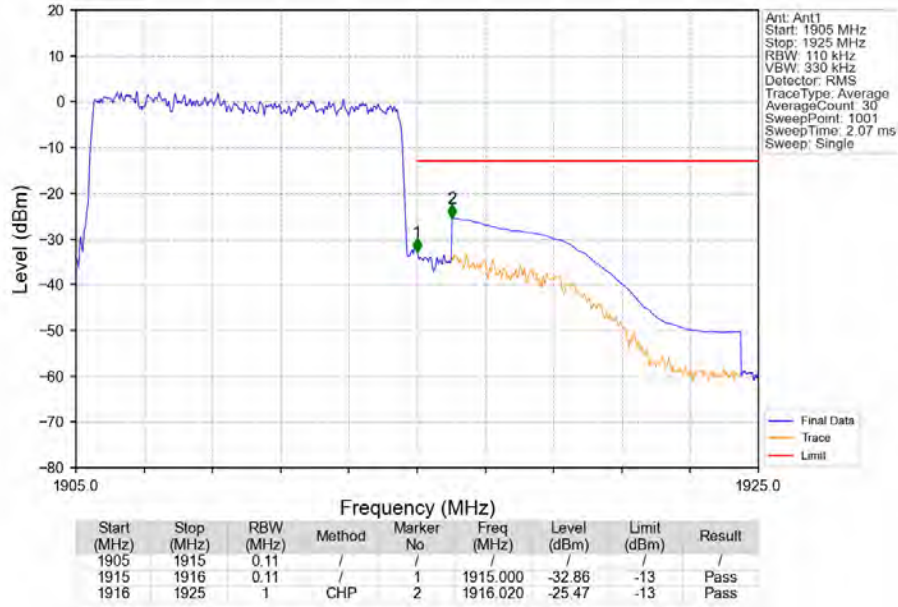
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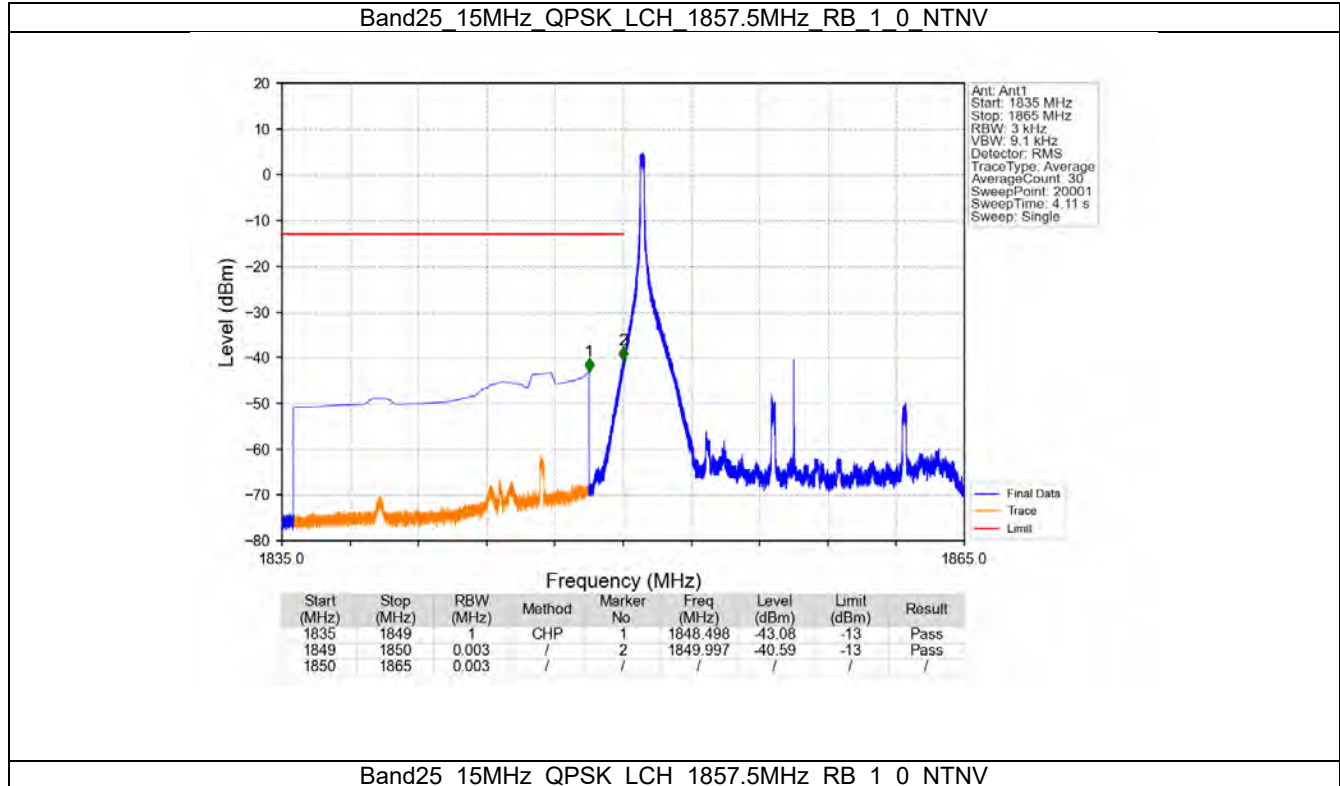
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5.5 B25_15MHz

5.5.2 Test Graph



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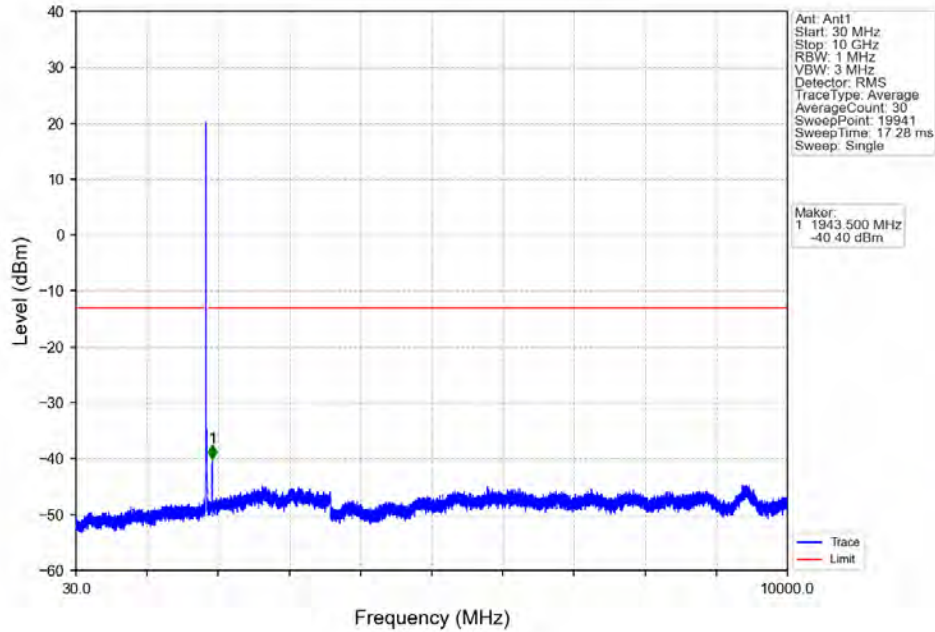
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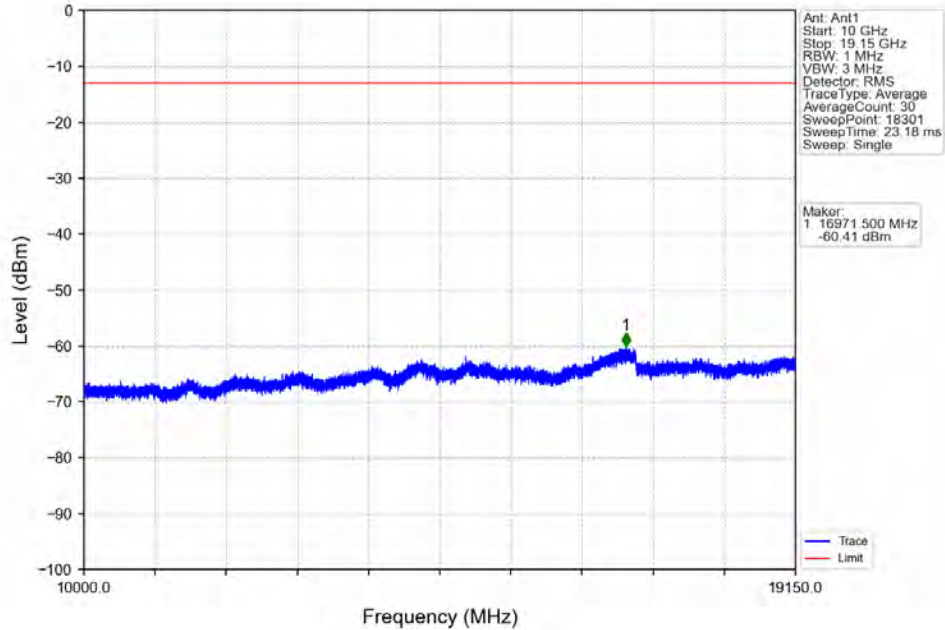
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Band25_15MHz_QPSK_LCH_1857.5MHz_RB_1_0_NTNV



Band25_15MHz_QPSK_LCH_1857.5MHz_RB_75_0_NTNV



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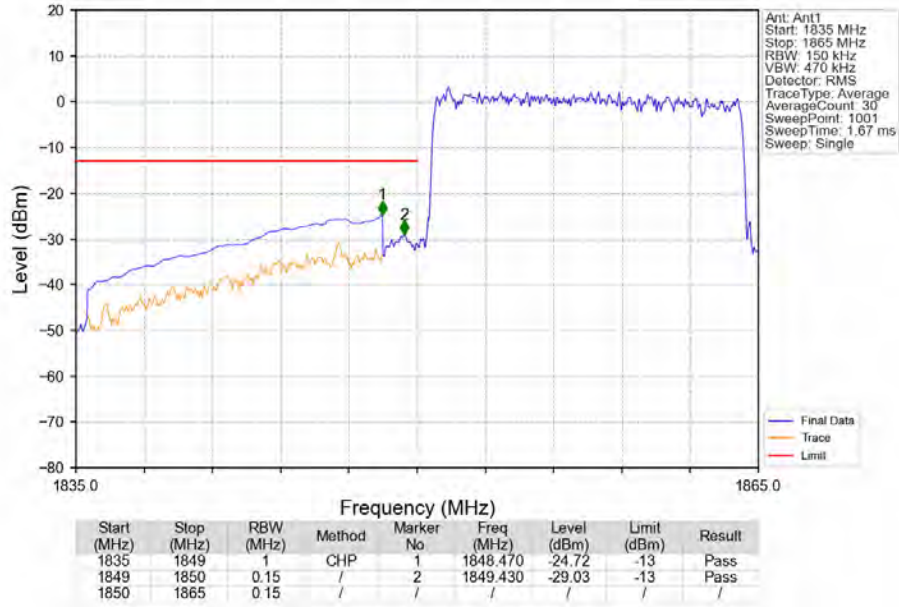
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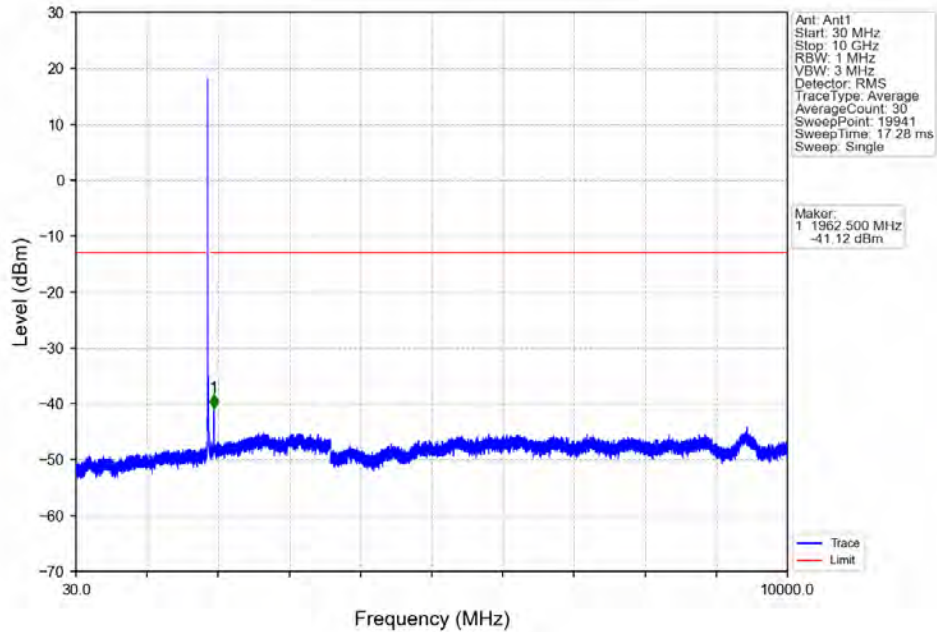
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Band25_15MHz_QPSK_MCH_1882.5MHz_RB_1_0_NTNV



Band25_15MHz_QPSK_MCH_1882.5MHz_RB_1_0_NTNV



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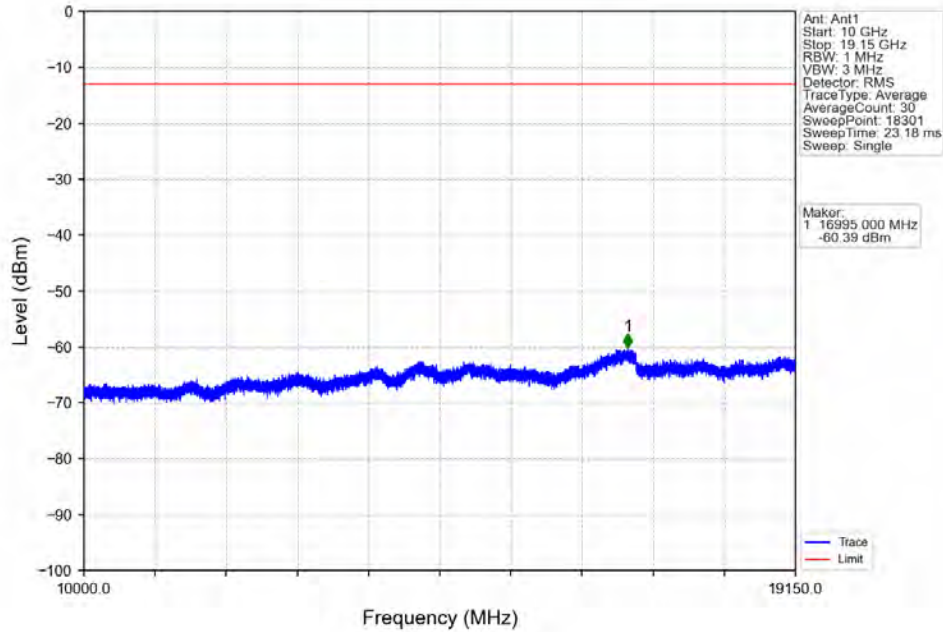
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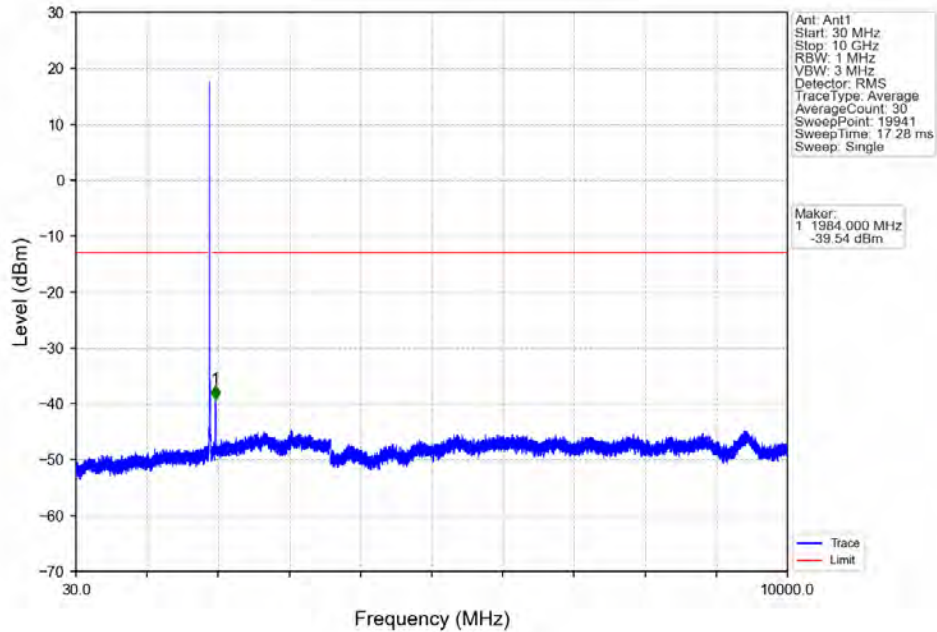
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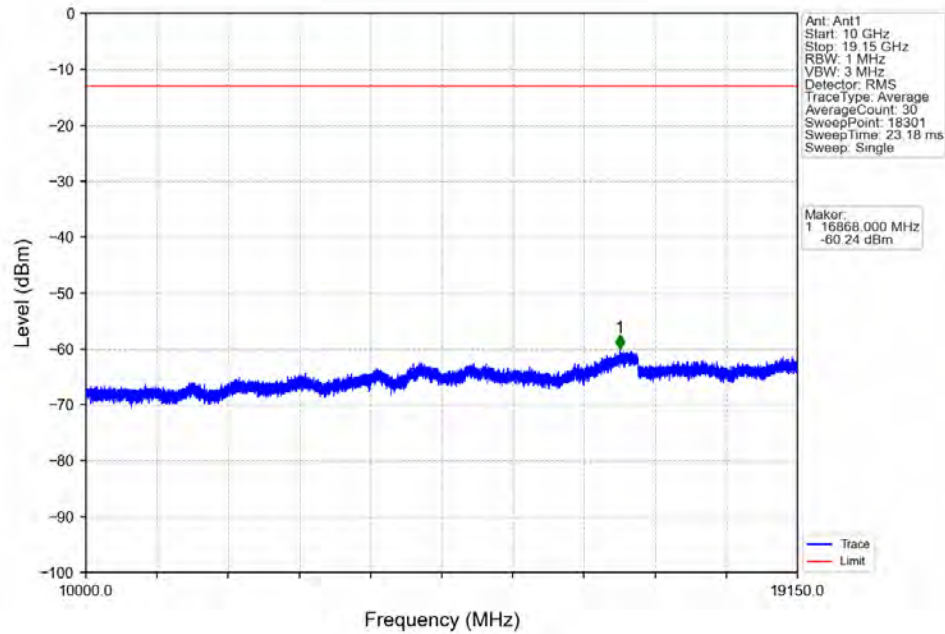
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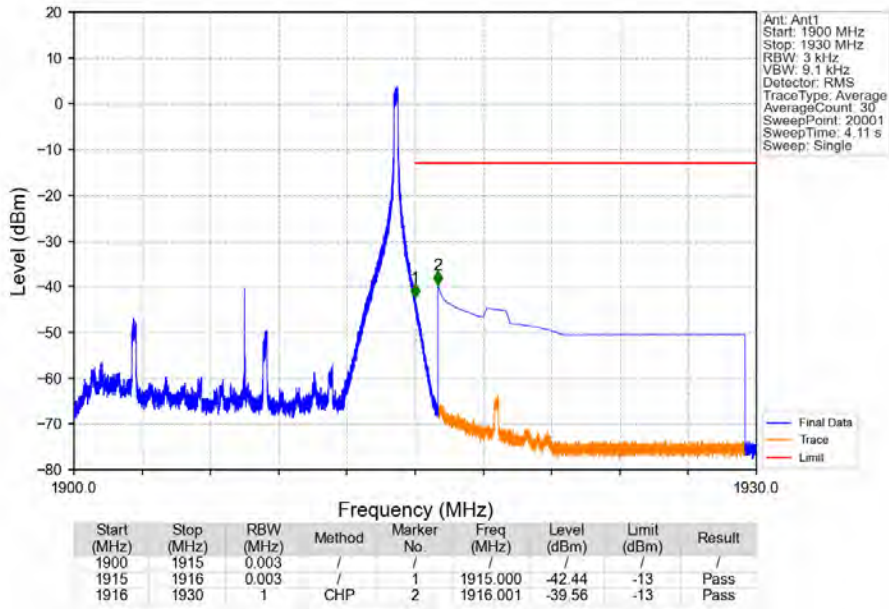
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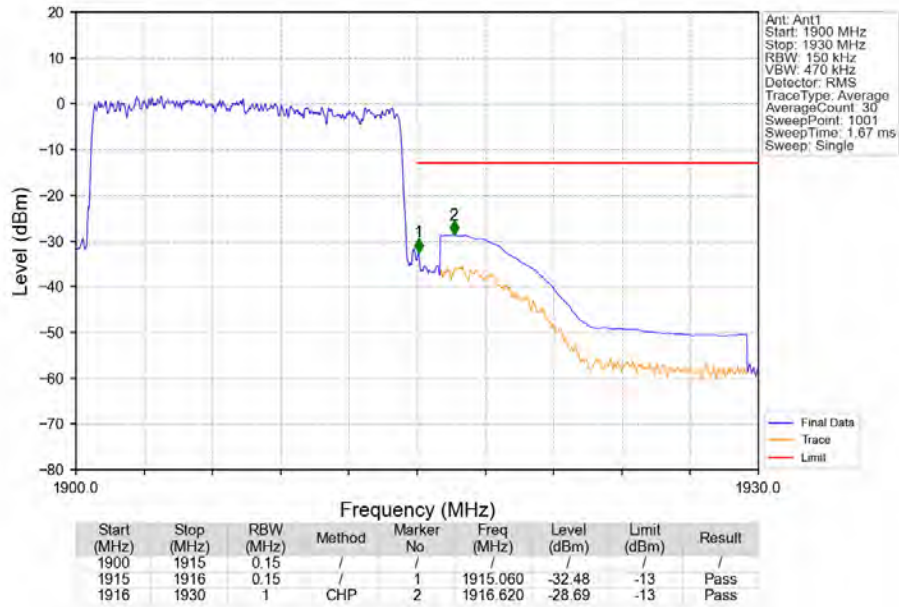
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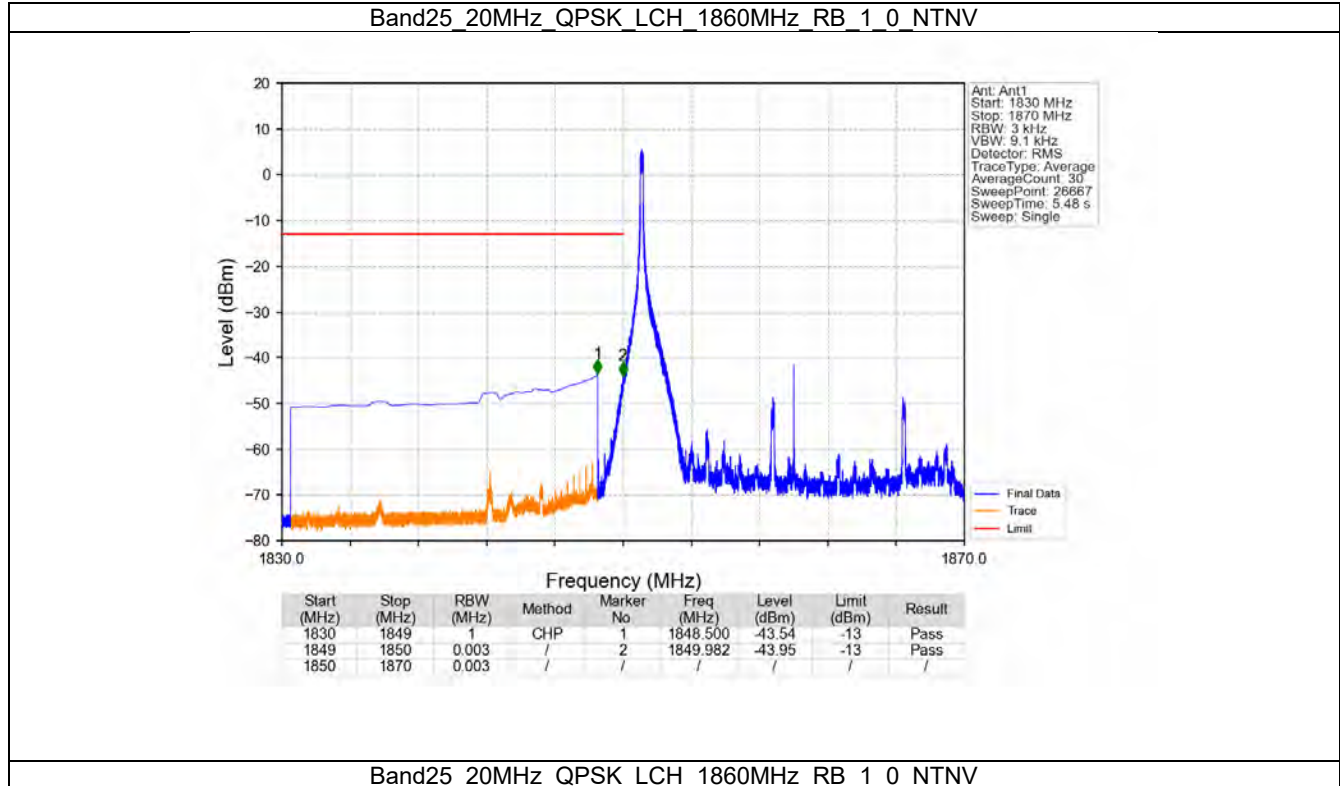
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5.6 B25_20MHz

5.6.2 Test Graph



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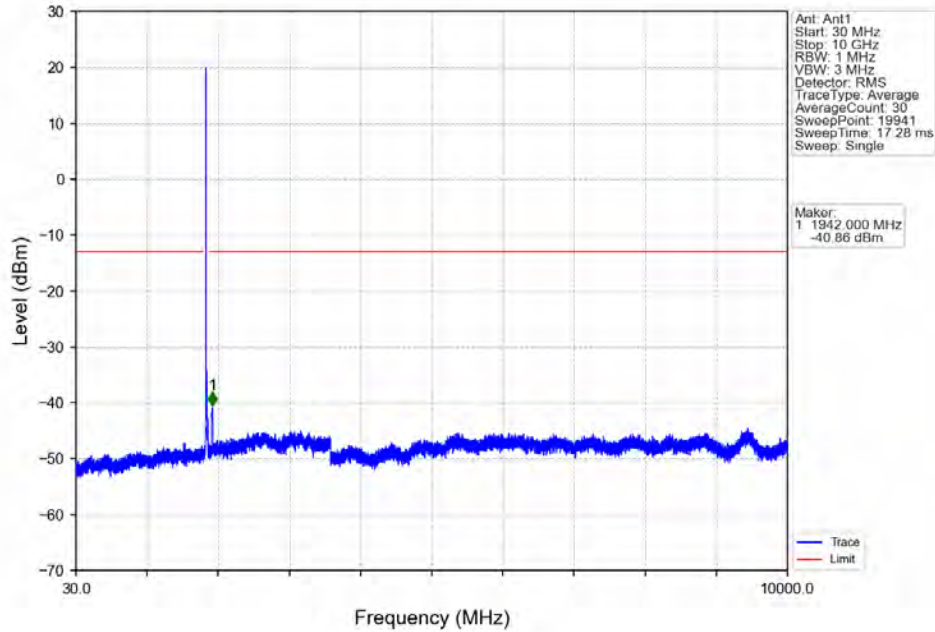
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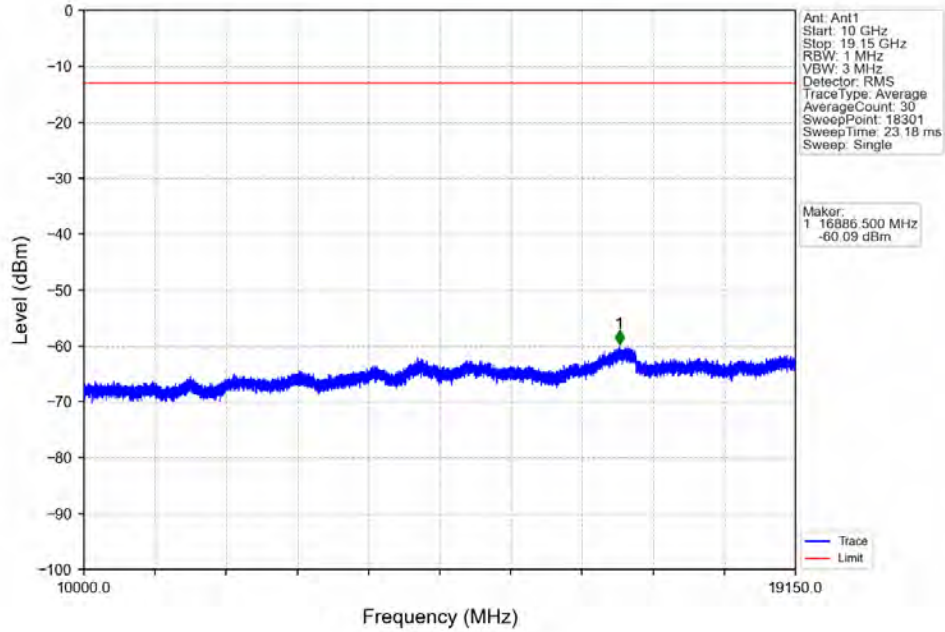
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Band25_20MHz_QPSK_LCH_1860MHz_RB_1_0_NTNV



Band25_20MHz_QPSK_LCH_1860MHz_RB_100_0_NTNV



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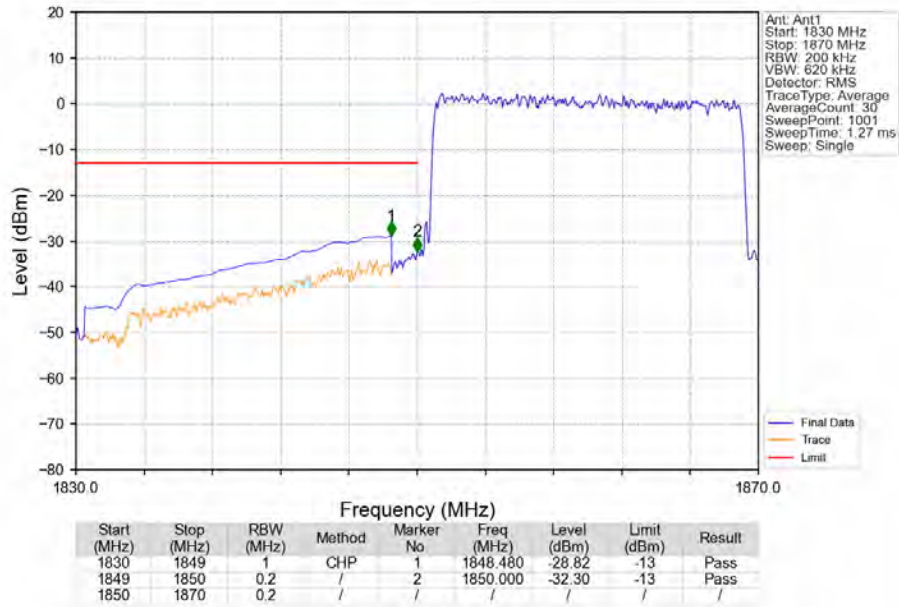
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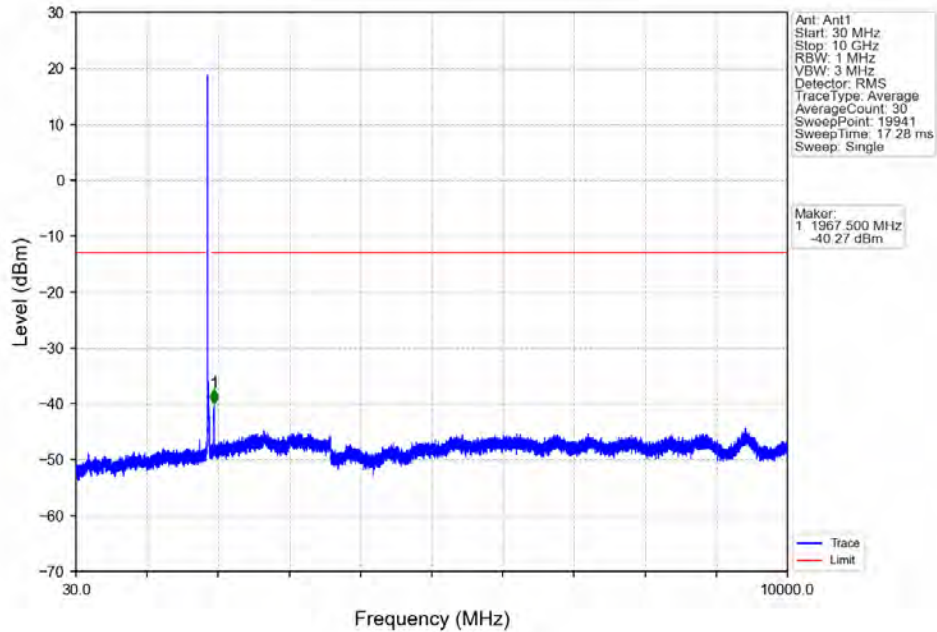
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Band25_20MHz_QPSK_MCH_1882.5MHz_RB_1_0_NTNV



Band25_20MHz_QPSK_MCH_1882.5MHz_RB_1_0_NTNV



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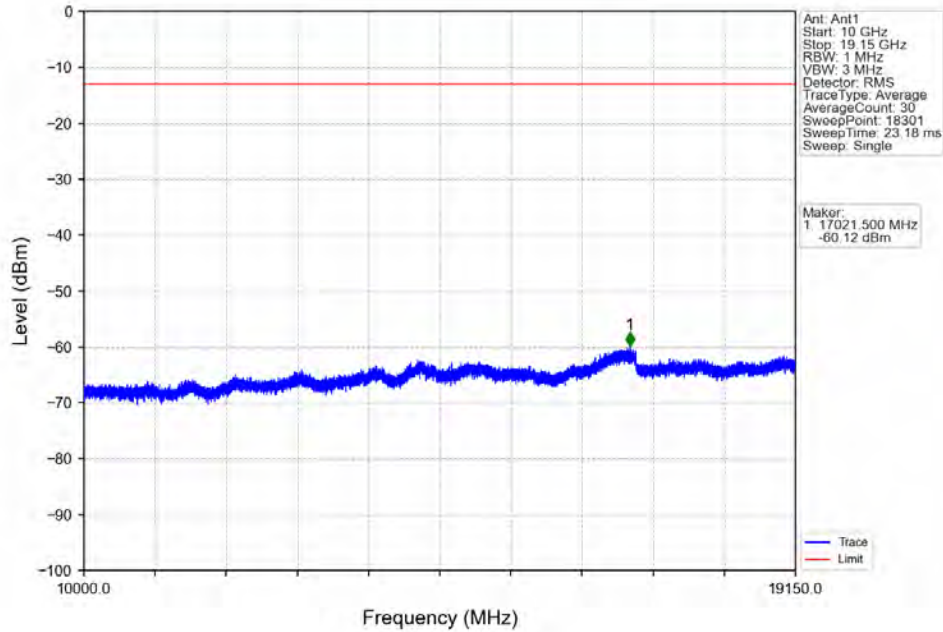
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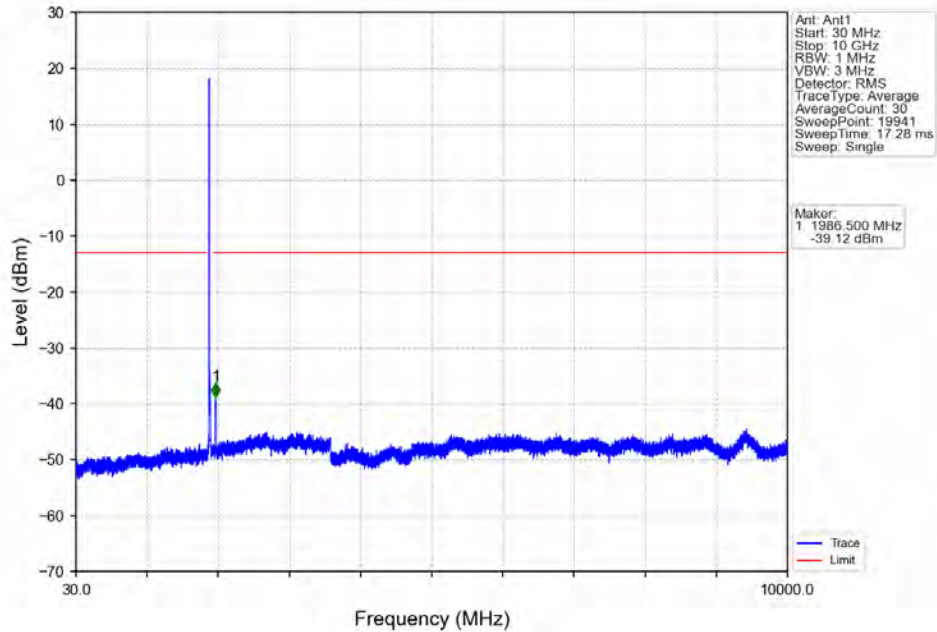
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Band25_20MHz_QPSK_HCH_1905MHz_RB_1_0_NTNV



Band25_20MHz_QPSK_HCH_1905MHz_RB_1_0_NTNV



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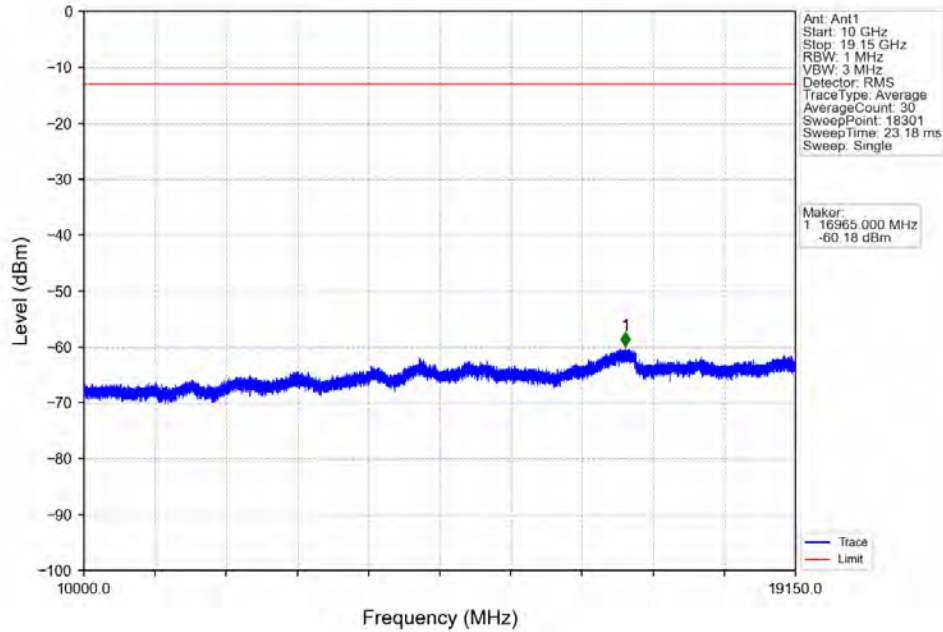
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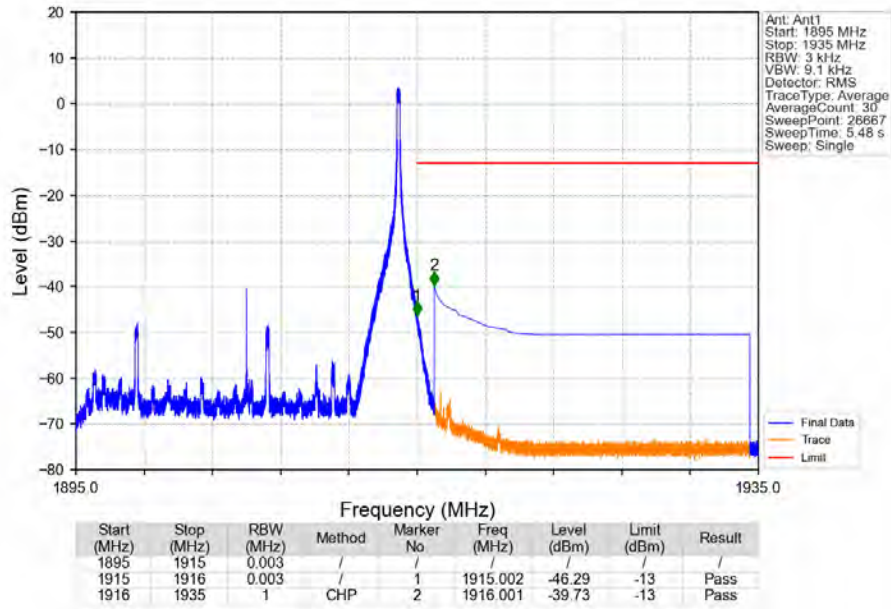
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Band25_20MHz_QPSK_HCH_1905MHz_RB_1_99_NTNV



Band25_20MHz_QPSK_HCH_1905MHz_RB_100_0_NTNV



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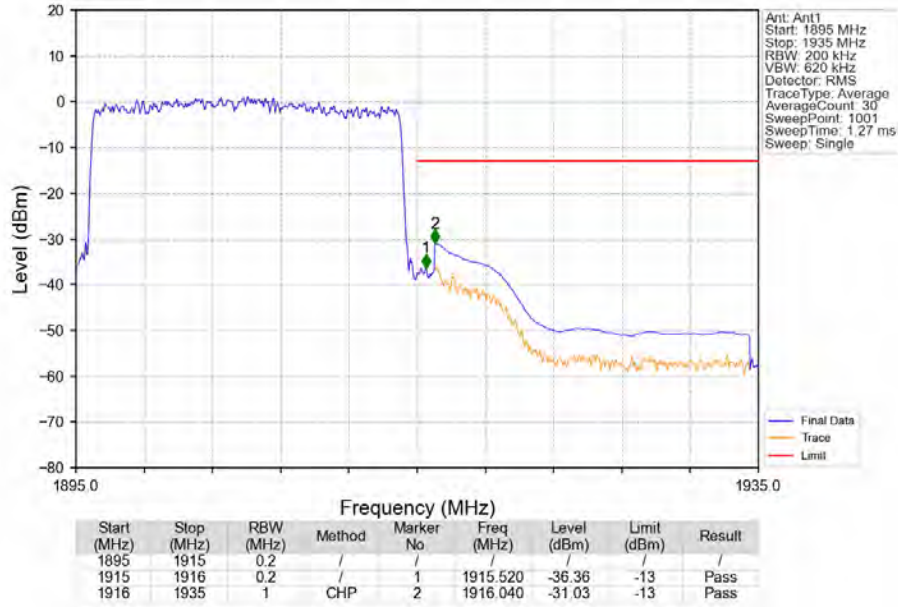
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6. Field Strength of Spurious Radiation

Test Band = LTE_25
Test Channel = LCH

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3702.0351	66.54	-50.00	30.31	-48.41	-13.00	35.41	Horizontal
2	5553.1277	73.72	-45.47	33.21	-33.80	-13.00	20.80	Horizontal
3	7473.9737	51.00	-43.36	36.65	-50.97	-13.00	37.97	Horizontal
4	9471.3236	50.11	-41.41	39.09	-47.47	-13.00	34.47	Horizontal
5	11906.6953	47.51	-37.81	39.49	-46.07	-13.00	33.07	Horizontal
6	15017.8509	49.13	-38.90	39.88	-45.15	-13.00	32.15	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3702.0351	63.70	-50.00	30.31	-51.25	-13.00	38.25	Vertical
2	5553.1277	67.55	-45.47	33.21	-39.97	-13.00	26.97	Vertical
3	7458.9729	50.84	-43.47	36.68	-51.21	-13.00	38.21	Vertical
4	9496.8248	50.17	-41.50	39.19	-47.40	-13.00	34.40	Vertical
5	11901.4451	47.42	-37.73	39.50	-46.07	-13.00	33.07	Vertical
6	14278.3139	48.71	-39.73	40.72	-45.56	-13.00	32.56	Vertical



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Test Band = LTE_25
Test Channel = MCH

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3747.0374	68.94	-49.40	30.49	-45.23	-13.00	32.23	Horizontal
2	5621.3811	73.25	-45.46	33.36	-34.11	-13.00	21.11	Horizontal
3	7123.7062	50.84	-43.93	36.99	-51.36	-13.00	38.36	Horizontal
4	9499.825	50.23	-41.51	39.20	-47.34	-13.00	34.34	Horizontal
5	11881.9441	47.90	-38.08	39.57	-45.87	-13.00	32.87	Horizontal
6	15034.3517	49.09	-39.03	39.87	-45.33	-13.00	32.33	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3747.0374	62.27	-49.40	30.49	-51.90	-13.00	38.90	Vertical
2	5620.631	73.27	-45.46	33.36	-34.09	-13.00	21.09	Vertical
3	7463.4732	50.65	-43.44	36.67	-51.38	-13.00	38.38	Vertical
4	9481.8241	50.23	-41.45	39.13	-47.35	-13.00	34.35	Vertical
5	14275.3138	48.81	-39.73	40.72	-45.46	-13.00	32.46	Vertical
6	17978.2489	50.11	-43.66	42.67	-46.14	-13.00	33.14	Vertical



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Test Band = LTE_25
Test Channel = HCH

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3792.0396	65.85	-49.53	30.50	-48.44	-13.00	35.44	Horizontal
2	5688.1344	73.33	-44.84	33.45	-33.32	-13.00	20.32	Horizontal
3	7462.7231	50.85	-43.45	36.67	-51.19	-13.00	38.19	Horizontal
4	9498.3249	50.16	-41.50	39.19	-47.41	-13.00	34.41	Horizontal
5	12217.2109	47.71	-37.97	39.53	-45.99	-13.00	32.99	Horizontal
6	17897.9949	49.92	-43.02	42.18	-46.18	-13.00	33.18	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3792.0396	60.26	-49.53	30.50	-54.03	-13.00	41.03	Vertical
2	5688.1344	74.43	-44.84	33.45	-32.22	-13.00	19.22	Vertical
3	7466.4733	50.95	-43.42	36.67	-51.06	-13.00	38.06	Vertical
4	9480.324	51.23	-41.44	39.12	-46.35	-13.00	33.35	Vertical
5	11876.6938	47.77	-38.19	39.59	-46.09	-13.00	33.09	Vertical
6	17993.9997	50.04	-44.04	42.76	-46.50	-13.00	33.50	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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South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000
中国·苏州·中国（江苏）自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南面 邮编: 215000

t (86-512) 62992980 www.sgs.com.cn
t (86-512) 62992980 sgs.china@sgs.com

Member of the SGS Group (SGS SA)