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Appendix B.4

LTE Band 2



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1. Effective (Isotropic) Radiated Power Output Data

1.1.1 Test Result

Table with 9 columns: Band, Bandwidth, Modulation, Channel, RB Configuration, Result(dBm), EIRP(dBm), Limit(dBm), Verdict. It contains 30 rows of test data for various frequencies and modulations, all showing 'PASS' results.



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Band2	1.4MHz	64QAM	18900	1RB#2	21.75	22	33	PASS
Band2	1.4MHz	64QAM	18900	1RB#5	21.84	22.09	33	PASS
Band2	1.4MHz	64QAM	18900	6RB#0	20.78	21.03	33	PASS
Band2	1.4MHz	64QAM	19193	1RB#0	21.83	22.08	33	PASS
Band2	1.4MHz	64QAM	19193	1RB#2	21.89	22.14	33	PASS
Band2	1.4MHz	64QAM	19193	1RB#5	21.93	22.18	33	PASS
Band2	1.4MHz	64QAM	19193	6RB#0	20.64	20.89	33	PASS
Band2	1.4MHz	256QAM	18607	1RB#0	18.61	18.86	33	PASS
Band2	1.4MHz	256QAM	18607	1RB#2	18.65	18.9	33	PASS
Band2	1.4MHz	256QAM	18607	1RB#5	18.64	18.89	33	PASS
Band2	1.4MHz	256QAM	18607	6RB#0	18.65	18.9	33	PASS
Band2	1.4MHz	256QAM	18900	1RB#0	18.86	19.11	33	PASS
Band2	1.4MHz	256QAM	18900	1RB#2	18.95	19.2	33	PASS
Band2	1.4MHz	256QAM	18900	1RB#5	18.94	19.19	33	PASS
Band2	1.4MHz	256QAM	18900	6RB#0	18.79	19.04	33	PASS
Band2	1.4MHz	256QAM	19193	1RB#0	18.78	19.03	33	PASS
Band2	1.4MHz	256QAM	19193	1RB#2	18.85	19.1	33	PASS
Band2	1.4MHz	256QAM	19193	1RB#5	18.79	19.04	33	PASS
Band2	1.4MHz	256QAM	19193	6RB#0	18.65	18.9	33	PASS
Band2	3MHz	QPSK	18615	1RB#0	23.5	23.75	33	PASS
Band2	3MHz	QPSK	18615	1RB#8	23.82	24.07	33	PASS
Band2	3MHz	QPSK	18615	1RB#14	23.57	23.82	33	PASS
Band2	3MHz	QPSK	18615	15RB#0	22.69	22.94	33	PASS
Band2	3MHz	QPSK	18900	1RB#0	23.55	23.8	33	PASS
Band2	3MHz	QPSK	18900	1RB#8	23.77	24.02	33	PASS
Band2	3MHz	QPSK	18900	1RB#14	23.78	24.03	33	PASS
Band2	3MHz	QPSK	18900	15RB#0	22.7	22.95	33	PASS
Band2	3MHz	QPSK	19185	1RB#0	23.58	23.83	33	PASS
Band2	3MHz	QPSK	19185	1RB#8	23.59	23.84	33	PASS
Band2	3MHz	QPSK	19185	1RB#14	23.67	23.92	33	PASS
Band2	3MHz	QPSK	19185	15RB#0	22.61	22.86	33	PASS
Band2	3MHz	16QAM	18615	1RB#0	22.58	22.83	33	PASS
Band2	3MHz	16QAM	18615	1RB#8	22.87	23.12	33	PASS
Band2	3MHz	16QAM	18615	1RB#14	22.68	22.93	33	PASS



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Band2	3MHz	16QAM	18615	15RB#0	21.67	21.92	33	PASS
Band2	3MHz	16QAM	18900	1RB#0	22.79	23.04	33	PASS
Band2	3MHz	16QAM	18900	1RB#8	22.89	23.14	33	PASS
Band2	3MHz	16QAM	18900	1RB#14	22.75	23	33	PASS
Band2	3MHz	16QAM	18900	15RB#0	21.7	21.95	33	PASS
Band2	3MHz	16QAM	19185	1RB#0	22.86	23.11	33	PASS
Band2	3MHz	16QAM	19185	1RB#8	22.83	23.08	33	PASS
Band2	3MHz	16QAM	19185	1RB#14	22.66	22.91	33	PASS
Band2	3MHz	16QAM	19185	15RB#0	21.6	21.85	33	PASS
Band2	3MHz	64QAM	18615	1RB#0	21.71	21.96	33	PASS
Band2	3MHz	64QAM	18615	1RB#8	21.87	22.12	33	PASS
Band2	3MHz	64QAM	18615	1RB#14	21.78	22.03	33	PASS
Band2	3MHz	64QAM	18615	15RB#0	20.67	20.92	33	PASS
Band2	3MHz	64QAM	18900	1RB#0	21.74	21.99	33	PASS
Band2	3MHz	64QAM	18900	1RB#8	21.8	22.05	33	PASS
Band2	3MHz	64QAM	18900	1RB#14	21.91	22.16	33	PASS
Band2	3MHz	64QAM	18900	15RB#0	20.66	20.91	33	PASS
Band2	3MHz	64QAM	19185	1RB#0	21.84	22.09	33	PASS
Band2	3MHz	64QAM	19185	1RB#8	21.96	22.21	33	PASS
Band2	3MHz	64QAM	19185	1RB#14	21.9	22.15	33	PASS
Band2	3MHz	64QAM	19185	15RB#0	20.64	20.89	33	PASS
Band2	3MHz	256QAM	18615	1RB#0	18.63	18.88	33	PASS
Band2	3MHz	256QAM	18615	1RB#8	18.68	18.93	33	PASS
Band2	3MHz	256QAM	18615	1RB#14	18.67	18.92	33	PASS
Band2	3MHz	256QAM	18615	15RB#0	18.68	18.93	33	PASS
Band2	3MHz	256QAM	18900	1RB#0	18.59	18.84	33	PASS
Band2	3MHz	256QAM	18900	1RB#8	18.84	19.09	33	PASS
Band2	3MHz	256QAM	18900	1RB#14	18.82	19.07	33	PASS
Band2	3MHz	256QAM	18900	15RB#0	18.72	18.97	33	PASS
Band2	3MHz	256QAM	19185	1RB#0	18.66	18.91	33	PASS
Band2	3MHz	256QAM	19185	1RB#8	18.75	19	33	PASS
Band2	3MHz	256QAM	19185	1RB#14	18.84	19.09	33	PASS
Band2	3MHz	256QAM	19185	15RB#0	18.63	18.88	33	PASS
Band2	5MHz	QPSK	18625	1RB#0	23.5	23.75	33	PASS



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Band2	5MHz	QPSK	18625	1RB#12	23.65	23.9	33	PASS
Band2	5MHz	QPSK	18625	1RB#24	23.62	23.87	33	PASS
Band2	5MHz	QPSK	18625	25RB#0	22.69	22.94	33	PASS
Band2	5MHz	QPSK	18900	1RB#0	23.48	23.73	33	PASS
Band2	5MHz	QPSK	18900	1RB#12	23.63	23.88	33	PASS
Band2	5MHz	QPSK	18900	1RB#24	23.68	23.93	33	PASS
Band2	5MHz	QPSK	18900	25RB#0	22.62	22.87	33	PASS
Band2	5MHz	QPSK	19175	1RB#0	23.63	23.88	33	PASS
Band2	5MHz	QPSK	19175	1RB#12	23.58	23.83	33	PASS
Band2	5MHz	QPSK	19175	1RB#24	23.69	23.94	33	PASS
Band2	5MHz	QPSK	19175	25RB#0	22.72	22.97	33	PASS
Band2	5MHz	16QAM	18625	1RB#0	22.62	22.87	33	PASS
Band2	5MHz	16QAM	18625	1RB#12	22.75	23	33	PASS
Band2	5MHz	16QAM	18625	1RB#24	22.7	22.95	33	PASS
Band2	5MHz	16QAM	18625	25RB#0	21.74	21.99	33	PASS
Band2	5MHz	16QAM	18900	1RB#0	22.71	22.96	33	PASS
Band2	5MHz	16QAM	18900	1RB#12	22.88	23.13	33	PASS
Band2	5MHz	16QAM	18900	1RB#24	22.81	23.06	33	PASS
Band2	5MHz	16QAM	18900	25RB#0	21.67	21.92	33	PASS
Band2	5MHz	16QAM	19175	1RB#0	22.83	23.08	33	PASS
Band2	5MHz	16QAM	19175	1RB#12	22.85	23.1	33	PASS
Band2	5MHz	16QAM	19175	1RB#24	22.81	23.06	33	PASS
Band2	5MHz	16QAM	19175	25RB#0	21.7	21.95	33	PASS
Band2	5MHz	64QAM	18625	1RB#0	21.85	22.1	33	PASS
Band2	5MHz	64QAM	18625	1RB#12	22	22.25	33	PASS
Band2	5MHz	64QAM	18625	1RB#24	21.88	22.13	33	PASS
Band2	5MHz	64QAM	18625	25RB#0	20.68	20.93	33	PASS
Band2	5MHz	64QAM	18900	1RB#0	21.97	22.22	33	PASS
Band2	5MHz	64QAM	18900	1RB#12	21.96	22.21	33	PASS
Band2	5MHz	64QAM	18900	1RB#24	22.04	22.29	33	PASS
Band2	5MHz	64QAM	18900	25RB#0	20.74	20.99	33	PASS
Band2	5MHz	64QAM	19175	1RB#0	21.83	22.08	33	PASS
Band2	5MHz	64QAM	19175	1RB#12	21.97	22.22	33	PASS
Band2	5MHz	64QAM	19175	1RB#24	21.9	22.15	33	PASS



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Band2	5MHz	64QAM	19175	25RB#0	20.7	20.95	33	PASS
Band2	5MHz	256QAM	18625	1RB#0	18.66	18.91	33	PASS
Band2	5MHz	256QAM	18625	1RB#12	18.79	19.04	33	PASS
Band2	5MHz	256QAM	18625	1RB#24	18.79	19.04	33	PASS
Band2	5MHz	256QAM	18625	25RB#0	18.72	18.97	33	PASS
Band2	5MHz	256QAM	18900	1RB#0	18.74	18.99	33	PASS
Band2	5MHz	256QAM	18900	1RB#12	18.89	19.14	33	PASS
Band2	5MHz	256QAM	18900	1RB#24	18.8	19.05	33	PASS
Band2	5MHz	256QAM	18900	25RB#0	18.71	18.96	33	PASS
Band2	5MHz	256QAM	19175	1RB#0	18.62	18.87	33	PASS
Band2	5MHz	256QAM	19175	1RB#12	18.83	19.08	33	PASS
Band2	5MHz	256QAM	19175	1RB#24	18.81	19.06	33	PASS
Band2	5MHz	256QAM	19175	25RB#0	18.7	18.95	33	PASS
Band2	10MHz	QPSK	18650	1RB#0	23.74	23.99	33	PASS
Band2	10MHz	QPSK	18650	1RB#24	23.57	23.82	33	PASS
Band2	10MHz	QPSK	18650	1RB#49	23.68	23.93	33	PASS
Band2	10MHz	QPSK	18650	50RB#0	22.7	22.95	33	PASS
Band2	10MHz	QPSK	18900	1RB#0	23.52	23.77	33	PASS
Band2	10MHz	QPSK	18900	1RB#24	23.64	23.89	33	PASS
Band2	10MHz	QPSK	18900	1RB#49	23.7	23.95	33	PASS
Band2	10MHz	QPSK	18900	50RB#0	22.69	22.94	33	PASS
Band2	10MHz	QPSK	19150	1RB#0	23.72	23.97	33	PASS
Band2	10MHz	QPSK	19150	1RB#24	23.7	23.95	33	PASS
Band2	10MHz	QPSK	19150	1RB#49	23.75	24	33	PASS
Band2	10MHz	QPSK	19150	50RB#0	22.72	22.97	33	PASS
Band2	10MHz	16QAM	18650	1RB#0	22.74	22.99	33	PASS
Band2	10MHz	16QAM	18650	1RB#24	22.88	23.13	33	PASS
Band2	10MHz	16QAM	18650	1RB#49	22.83	23.08	33	PASS
Band2	10MHz	16QAM	18650	50RB#0	21.7	21.95	33	PASS
Band2	10MHz	16QAM	18900	1RB#0	22.66	22.91	33	PASS
Band2	10MHz	16QAM	18900	1RB#24	22.84	23.09	33	PASS
Band2	10MHz	16QAM	18900	1RB#49	22.85	23.1	33	PASS
Band2	10MHz	16QAM	18900	50RB#0	21.65	21.9	33	PASS
Band2	10MHz	16QAM	19150	1RB#0	23.06	23.31	33	PASS



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Band2	10MHz	16QAM	19150	1RB#49	22.83	23.08	33	PASS
Band2	10MHz	16QAM	19150	50RB#0	21.77	22.02	33	PASS
Band2	10MHz	64QAM	18650	1RB#0	21.84	22.09	33	PASS
Band2	10MHz	64QAM	18650	1RB#24	21.81	22.06	33	PASS
Band2	10MHz	64QAM	18650	1RB#49	21.72	21.97	33	PASS
Band2	10MHz	64QAM	18650	50RB#0	20.74	20.99	33	PASS
Band2	10MHz	64QAM	18900	1RB#0	22	22.25	33	PASS
Band2	10MHz	64QAM	18900	1RB#24	21.9	22.15	33	PASS
Band2	10MHz	64QAM	18900	1RB#49	22.09	22.34	33	PASS
Band2	10MHz	64QAM	18900	50RB#0	20.72	20.97	33	PASS
Band2	10MHz	64QAM	19150	1RB#0	21.83	22.08	33	PASS
Band2	10MHz	64QAM	19150	1RB#24	22.09	22.34	33	PASS
Band2	10MHz	64QAM	19150	1RB#49	21.92	22.17	33	PASS
Band2	10MHz	64QAM	19150	50RB#0	20.84	21.09	33	PASS
Band2	10MHz	256QAM	18650	1RB#0	18.56	18.81	33	PASS
Band2	10MHz	256QAM	18650	1RB#24	18.8	19.05	33	PASS
Band2	10MHz	256QAM	18650	1RB#49	18.82	19.07	33	PASS
Band2	10MHz	256QAM	18650	50RB#0	18.68	18.93	33	PASS
Band2	10MHz	256QAM	18900	1RB#0	18.76	19.01	33	PASS
Band2	10MHz	256QAM	18900	1RB#24	18.99	19.24	33	PASS
Band2	10MHz	256QAM	18900	1RB#49	18.85	19.1	33	PASS
Band2	10MHz	256QAM	18900	50RB#0	18.68	18.93	33	PASS
Band2	10MHz	256QAM	19150	1RB#0	18.7	18.95	33	PASS
Band2	10MHz	256QAM	19150	1RB#24	18.91	19.16	33	PASS
Band2	10MHz	256QAM	19150	1RB#49	18.78	19.03	33	PASS
Band2	10MHz	256QAM	19150	50RB#0	18.79	19.04	33	PASS
Band2	15MHz	QPSK	18675	1RB#0	23.29	23.54	33	PASS
Band2	15MHz	QPSK	18675	1RB#38	23.59	23.84	33	PASS
Band2	15MHz	QPSK	18675	1RB#74	23.55	23.8	33	PASS
Band2	15MHz	QPSK	18675	75RB#0	22.61	22.86	33	PASS
Band2	15MHz	QPSK	18900	1RB#0	23.67	23.92	33	PASS
Band2	15MHz	QPSK	18900	1RB#38	23.62	23.87	33	PASS
Band2	15MHz	QPSK	18900	1RB#74	23.58	23.83	33	PASS



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Band2	15MHz	QPSK	18900	75RB#0	22.52	22.77	33	PASS
Band2	15MHz	QPSK	19125	1RB#0	23.55	23.8	33	PASS
Band2	15MHz	QPSK	19125	1RB#38	23.53	23.78	33	PASS
Band2	15MHz	QPSK	19125	1RB#74	23.37	23.62	33	PASS
Band2	15MHz	QPSK	19125	75RB#0	22.53	22.78	33	PASS
Band2	15MHz	16QAM	18675	1RB#0	22.57	22.82	33	PASS
Band2	15MHz	16QAM	18675	1RB#38	22.64	22.89	33	PASS
Band2	15MHz	16QAM	18675	1RB#74	22.67	22.92	33	PASS
Band2	15MHz	16QAM	18675	75RB#0	21.62	21.87	33	PASS
Band2	15MHz	16QAM	18900	1RB#0	22.63	22.88	33	PASS
Band2	15MHz	16QAM	18900	1RB#38	22.65	22.9	33	PASS
Band2	15MHz	16QAM	18900	1RB#74	22.65	22.9	33	PASS
Band2	15MHz	16QAM	18900	75RB#0	21.62	21.87	33	PASS
Band2	15MHz	16QAM	19125	1RB#0	22.62	22.87	33	PASS
Band2	15MHz	16QAM	19125	1RB#38	22.65	22.9	33	PASS
Band2	15MHz	16QAM	19125	1RB#74	22.7	22.95	33	PASS
Band2	15MHz	16QAM	19125	75RB#0	21.6	21.85	33	PASS
Band2	15MHz	64QAM	18675	1RB#0	21.74	21.99	33	PASS
Band2	15MHz	64QAM	18675	1RB#38	21.69	21.94	33	PASS
Band2	15MHz	64QAM	18675	1RB#74	21.86	22.11	33	PASS
Band2	15MHz	64QAM	18675	75RB#0	20.59	20.84	33	PASS
Band2	15MHz	64QAM	18900	1RB#0	21.53	21.78	33	PASS
Band2	15MHz	64QAM	18900	1RB#38	21.74	21.99	33	PASS
Band2	15MHz	64QAM	18900	1RB#74	21.79	22.04	33	PASS
Band2	15MHz	64QAM	18900	75RB#0	20.57	20.82	33	PASS
Band2	15MHz	64QAM	19125	1RB#0	21.55	21.8	33	PASS
Band2	15MHz	64QAM	19125	1RB#38	21.59	21.84	33	PASS
Band2	15MHz	64QAM	19125	1RB#74	21.58	21.83	33	PASS
Band2	15MHz	64QAM	19125	75RB#0	20.59	20.84	33	PASS
Band2	15MHz	256QAM	18675	1RB#0	18.42	18.67	33	PASS
Band2	15MHz	256QAM	18675	1RB#38	18.7	18.95	33	PASS
Band2	15MHz	256QAM	18675	1RB#74	18.73	18.98	33	PASS
Band2	15MHz	256QAM	18675	75RB#0	18.66	18.91	33	PASS
Band2	15MHz	256QAM	18900	1RB#0	18.57	18.82	33	PASS



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Band2	15MHz	256QAM	18900	1RB#38	18.73	18.98	33	PASS
Band2	15MHz	256QAM	18900	1RB#74	18.86	19.11	33	PASS
Band2	15MHz	256QAM	18900	75RB#0	18.61	18.86	33	PASS
Band2	15MHz	256QAM	19125	1RB#0	18.6	18.85	33	PASS
Band2	15MHz	256QAM	19125	1RB#38	18.6	18.85	33	PASS
Band2	15MHz	256QAM	19125	1RB#74	18.73	18.98	33	PASS
Band2	15MHz	256QAM	19125	75RB#0	18.55	18.8	33	PASS
Band2	20MHz	QPSK	18700	1RB#0	23.57	23.82	33	PASS
Band2	20MHz	QPSK	18700	1RB#49	23.47	23.72	33	PASS
Band2	20MHz	QPSK	18700	1RB#99	23.8	24.05	33	PASS
Band2	20MHz	QPSK	18700	100RB#0	22.62	22.87	33	PASS
Band2	20MHz	QPSK	18900	1RB#0	23.64	23.89	33	PASS
Band2	20MHz	QPSK	18900	1RB#49	23.6	23.85	33	PASS
Band2	20MHz	QPSK	18900	1RB#99	23.63	23.88	33	PASS
Band2	20MHz	QPSK	18900	100RB#0	22.66	22.91	33	PASS
Band2	20MHz	QPSK	19100	1RB#0	23.79	24.04	33	PASS
Band2	20MHz	QPSK	19100	1RB#49	23.67	23.92	33	PASS
Band2	20MHz	QPSK	19100	1RB#99	23.48	23.73	33	PASS
Band2	20MHz	QPSK	19100	100RB#0	22.58	22.83	33	PASS
Band2	20MHz	16QAM	18700	1RB#0	22.56	22.81	33	PASS
Band2	20MHz	16QAM	18700	1RB#49	22.66	22.91	33	PASS
Band2	20MHz	16QAM	18700	1RB#99	22.62	22.87	33	PASS
Band2	20MHz	16QAM	18700	100RB#0	21.62	21.87	33	PASS
Band2	20MHz	16QAM	18900	1RB#0	22.57	22.82	33	PASS
Band2	20MHz	16QAM	18900	1RB#49	23	23.25	33	PASS
Band2	20MHz	16QAM	18900	1RB#99	22.65	22.9	33	PASS
Band2	20MHz	16QAM	18900	100RB#0	21.65	21.9	33	PASS
Band2	20MHz	16QAM	19100	1RB#0	22.95	23.2	33	PASS
Band2	20MHz	16QAM	19100	1RB#49	22.9	23.15	33	PASS
Band2	20MHz	16QAM	19100	1RB#99	22.62	22.87	33	PASS
Band2	20MHz	16QAM	19100	100RB#0	21.48	21.73	33	PASS
Band2	20MHz	64QAM	18700	1RB#0	21.59	21.84	33	PASS
Band2	20MHz	64QAM	18700	1RB#49	21.58	21.83	33	PASS
Band2	20MHz	64QAM	18700	1RB#99	21.59	21.84	33	PASS



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Band2	20MHz	64QAM	18700	100RB#0	20.58	20.83	33	PASS
Band2	20MHz	64QAM	18900	1RB#0	21.6	21.85	33	PASS
Band2	20MHz	64QAM	18900	1RB#49	22.05	22.3	33	PASS
Band2	20MHz	64QAM	18900	1RB#99	21.78	22.03	33	PASS
Band2	20MHz	64QAM	18900	100RB#0	20.64	20.89	33	PASS
Band2	20MHz	64QAM	19100	1RB#0	21.73	21.98	33	PASS
Band2	20MHz	64QAM	19100	1RB#49	21.75	22	33	PASS
Band2	20MHz	64QAM	19100	1RB#99	21.68	21.93	33	PASS
Band2	20MHz	64QAM	19100	100RB#0	20.54	20.79	33	PASS
Band2	20MHz	256QAM	18700	1RB#0	18.34	18.59	33	PASS
Band2	20MHz	256QAM	18700	1RB#49	18.67	18.92	33	PASS
Band2	20MHz	256QAM	18700	1RB#99	18.66	18.91	33	PASS
Band2	20MHz	256QAM	18700	100RB#0	18.61	18.86	33	PASS
Band2	20MHz	256QAM	18900	1RB#0	18.57	18.82	33	PASS
Band2	20MHz	256QAM	18900	1RB#49	18.62	18.87	33	PASS
Band2	20MHz	256QAM	18900	1RB#99	18.83	19.08	33	PASS
Band2	20MHz	256QAM	18900	100RB#0	18.57	18.82	33	PASS
Band2	20MHz	256QAM	19100	1RB#0	18.42	18.67	33	PASS
Band2	20MHz	256QAM	19100	1RB#49	18.79	19.04	33	PASS
Band2	20MHz	256QAM	19100	1RB#99	18.71	18.96	33	PASS
Band2	20MHz	256QAM	19100	100RB#0	18.65	18.9	33	PASS



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2. Frequency Stability

2.6 B2_20MHz

2.6.1 Test Result

Band: 2 / Bandwidth: 20MHz										
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict	
		Size	Offset				Result	Limit		
QPSK	1860	100	0	20	3.135	-0.946	-0.0005	/	Pass	
					3.7	1.213	0.0007	/	Pass	
					4.4	-1.526	-0.0008	/	Pass	
				-30	3.7	-0.105	-0.0001	/	Pass	
					-20	3.7	-2.298	-0.0012	/	Pass
						-10	3.7	-2.127	-0.0011	/
				0	3.7	-1.215	-0.0007	/	Pass	
					10	3.7	-2.410	-0.0013	/	Pass
				30	3.7	-1.151	-0.0006	/	Pass	
	40	3.7	-1.496		-0.0008	/	Pass			
	1880	100	0	20	3.135	-1.824	-0.0010	/	Pass	
					3.7	-1.510	-0.0008	/	Pass	
					4.4	-1.137	-0.0006	/	Pass	
				-30	3.7	-1.543	-0.0008	/	Pass	
					-20	3.7	-1.490	-0.0008	/	Pass
						-10	3.7	-0.865	-0.0005	/
				0	3.7	-1.404	-0.0007	/	Pass	
					10	3.7	-2.296	-0.0012	/	Pass
				30	3.7	-0.579	-0.0003	/	Pass	
	40	3.7	-3.080		-0.0016	/	Pass			
	1900	100	0	20	3.135	-0.872	-0.0005	/	Pass	
					3.7	-0.278	-0.0001	/	Pass	
					4.4	-1.539	-0.0008	/	Pass	
				-30	3.7	-0.936	-0.0005	/	Pass	
					-20	3.7	-0.699	-0.0004	/	Pass
						-10	3.7	-2.198	-0.0012	/
				0	3.7	-0.278	-0.0001	/	Pass	
10					3.7	-1.007	-0.0005	/	Pass	
30				3.7	-2.144	-0.0011	/	Pass		
	40	3.7	-0.910	-0.0005	/	Pass				
50	3.7	0.134	0.0001	/	Pass					



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3. Field Strength of Spurious Radiation

Test Band = LTE_B2
 Test Channel = LCH

Final Data List								
NO.	Freq. [MHz]	Reading [dBµV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3634.5317	54.36	-49.52	30.34	-60.08	-13.00	47.08	Horizontal
2	4941.0971	52.22	-47.22	33.18	-57.08	-13.00	44.08	Horizontal
3	6748.6874	50.94	-44.00	36.19	-52.13	-13.00	39.13	Horizontal
4	9130.0565	49.23	-41.45	38.82	-48.66	-13.00	35.66	Horizontal
5	12445.9723	47.20	-37.52	39.55	-46.03	-13.00	33.03	Horizontal
6	17907.7454	48.48	-38.15	42.25	-42.68	-13.00	29.68	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBµV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3702.0351	56.33	-50.00	30.31	-58.62	-13.00	45.62	Vertical
2	4682.3341	53.31	-47.73	31.87	-57.81	-13.00	44.81	Vertical
3	6480.924	51.61	-44.91	34.83	-53.73	-13.00	40.73	Vertical
4	8551.7776	49.61	-41.40	39.07	-47.98	-13.00	34.98	Vertical
5	11456.6728	48.06	-38.37	39.59	-45.98	-13.00	32.98	Vertical
6	15023.1012	47.51	-35.07	39.88	-42.94	-13.00	29.94	Vertical



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Test Band = LTE_B2
Test Channel = MCH

Table with 9 columns: NO., Freq. [MHz], Reading [dBµV], Factor [dB], AF[dB/m], Level [dBm], Limit [dBm], Margin [dB], Polarity. Contains 6 rows of test data.

Table with 9 columns: NO., Freq. [MHz], Reading [dBµV], Factor [dB], AF[dB/m], Level [dBm], Limit [dBm], Margin [dB], Polarity. Contains 6 rows of test data.



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Test Band = LTE_B2
 Test Channel = HCH

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3634.5317	54.61	-49.52	30.34	-59.83	-13.00	46.83	Horizontal
2	5462.3731	52.15	-46.56	33.33	-56.34	-13.00	43.34	Horizontal
3	7845.9923	50.51	-42.81	37.10	-50.46	-13.00	37.46	Horizontal
4	10700.635	48.26	-39.22	39.50	-46.72	-13.00	33.72	Horizontal
5	14549.8275	46.52	-35.15	40.55	-43.34	-13.00	30.34	Horizontal
6	17912.9956	48.70	-38.25	42.28	-42.53	-13.00	29.53	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3782.2891	58.69	-49.59	30.50	-55.66	-13.00	42.66	Vertical
2	5139.107	52.52	-47.24	33.58	-56.40	-13.00	43.40	Vertical
3	7377.2189	51.05	-43.61	36.85	-50.97	-13.00	37.97	Vertical
4	10713.3857	48.12	-39.24	39.53	-46.85	-13.00	33.85	Vertical
5	14175.5588	47.22	-35.86	40.78	-43.12	-13.00	30.12	Vertical
6	17902.4951	48.40	-38.06	42.21	-42.71	-13.00	29.71	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



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4. 99% & 26dB Bandwidth

4.1 Band2_OBW

4.1.1 Test Result

Band: 2 / NTV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	1850.7	6	0	1.121	/	Pass
		1880	6	0	1.117	/	Pass
		1909.3	6	0	1.119	/	Pass
	16QAM	1850.7	6	0	1.130	/	Pass
		1880	6	0	1.124	/	Pass
		1909.3	6	0	1.123	/	Pass
	64QAM	1850.7	6	0	1.128	/	Pass
		1880	6	0	1.119	/	Pass
		1909.3	6	0	1.119	/	Pass
	256QAM	1850.7	6	0	1.124	/	Pass
		1880	6	0	1.120	/	Pass
		1909.3	6	0	1.120	/	Pass
3	QPSK	1851.5	15	0	2.737	/	Pass
		1880	15	0	2.754	/	Pass
		1908.5	15	0	2.757	/	Pass
	16QAM	1851.5	15	0	2.746	/	Pass
		1880	15	0	2.740	/	Pass
		1908.5	15	0	2.743	/	Pass
	64QAM	1851.5	15	0	2.759	/	Pass
		1880	15	0	2.743	/	Pass
		1908.5	15	0	2.746	/	Pass
	256QAM	1851.5	15	0	2.753	/	Pass
		1880	15	0	2.742	/	Pass
		1908.5	15	0	2.744	/	Pass
5	QPSK	1852.5	25	0	4.570	/	Pass
		1880	25	0	4.563	/	Pass
		1907.5	25	0	4.572	/	Pass
	16QAM	1852.5	25	0	4.577	/	Pass
		1880	25	0	4.585	/	Pass
		1907.5	25	0	4.562	/	Pass
	64QAM	1852.5	25	0	4.571	/	Pass
		1880	25	0	4.551	/	Pass
		1907.5	25	0	4.574	/	Pass
	256QAM	1852.5	25	0	4.559	/	Pass
		1880	25	0	4.569	/	Pass
		1907.5	25	0	4.562	/	Pass
10	QPSK	1855	50	0	9.113	/	Pass
		1880	50	0	9.093	/	Pass
		1905	50	0	9.115	/	Pass



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	16QAM	1855	50	0	9.076	/	Pass
		1880	50	0	9.114	/	Pass
		1905	50	0	9.115	/	Pass
	64QAM	1855	50	0	9.087	/	Pass
		1880	50	0	9.090	/	Pass
		1905	50	0	9.101	/	Pass
	256QAM	1855	50	0	9.072	/	Pass
		1880	50	0	9.063	/	Pass
		1905	50	0	9.094	/	Pass
15	QPSK	1857.5	75	0	13.620	/	Pass
		1880	75	0	13.606	/	Pass
		1902.5	75	0	13.635	/	Pass
	16QAM	1857.5	75	0	13.646	/	Pass
		1880	75	0	13.667	/	Pass
		1902.5	75	0	13.645	/	Pass
	64QAM	1857.5	75	0	13.593	/	Pass
		1880	75	0	13.615	/	Pass
		1902.5	75	0	13.674	/	Pass
	256QAM	1857.5	75	0	13.612	/	Pass
		1880	75	0	13.618	/	Pass
		1902.5	75	0	13.612	/	Pass
20	QPSK	1860	100	0	18.123	/	Pass
		1880	100	0	18.120	/	Pass
		1900	100	0	18.193	/	Pass
	16QAM	1860	100	0	18.088	/	Pass
		1880	100	0	18.113	/	Pass
		1900	100	0	18.204	/	Pass
	64QAM	1860	100	0	18.111	/	Pass
		1880	100	0	18.103	/	Pass
		1900	100	0	18.182	/	Pass
	256QAM	1860	100	0	18.116	/	Pass
		1880	100	0	18.153	/	Pass
		1900	100	0	18.200	/	Pass



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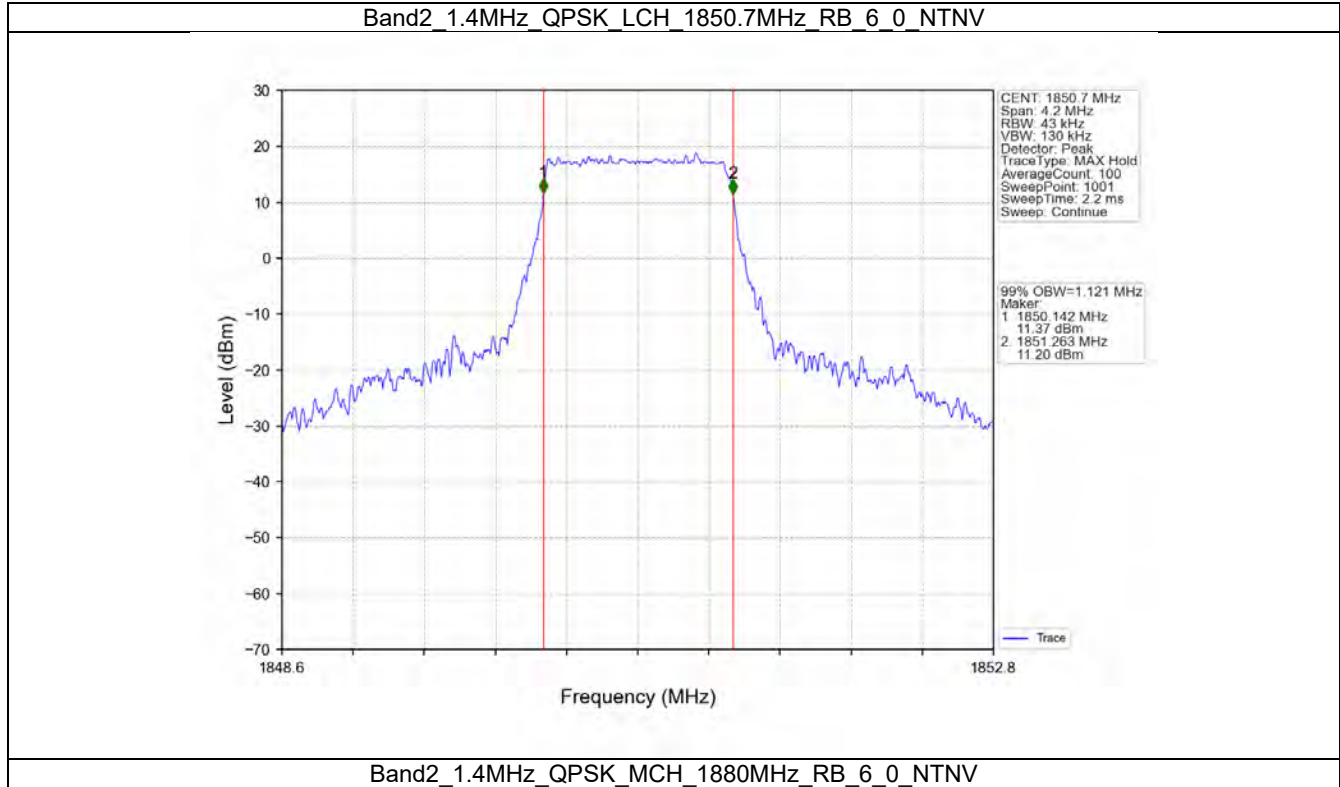
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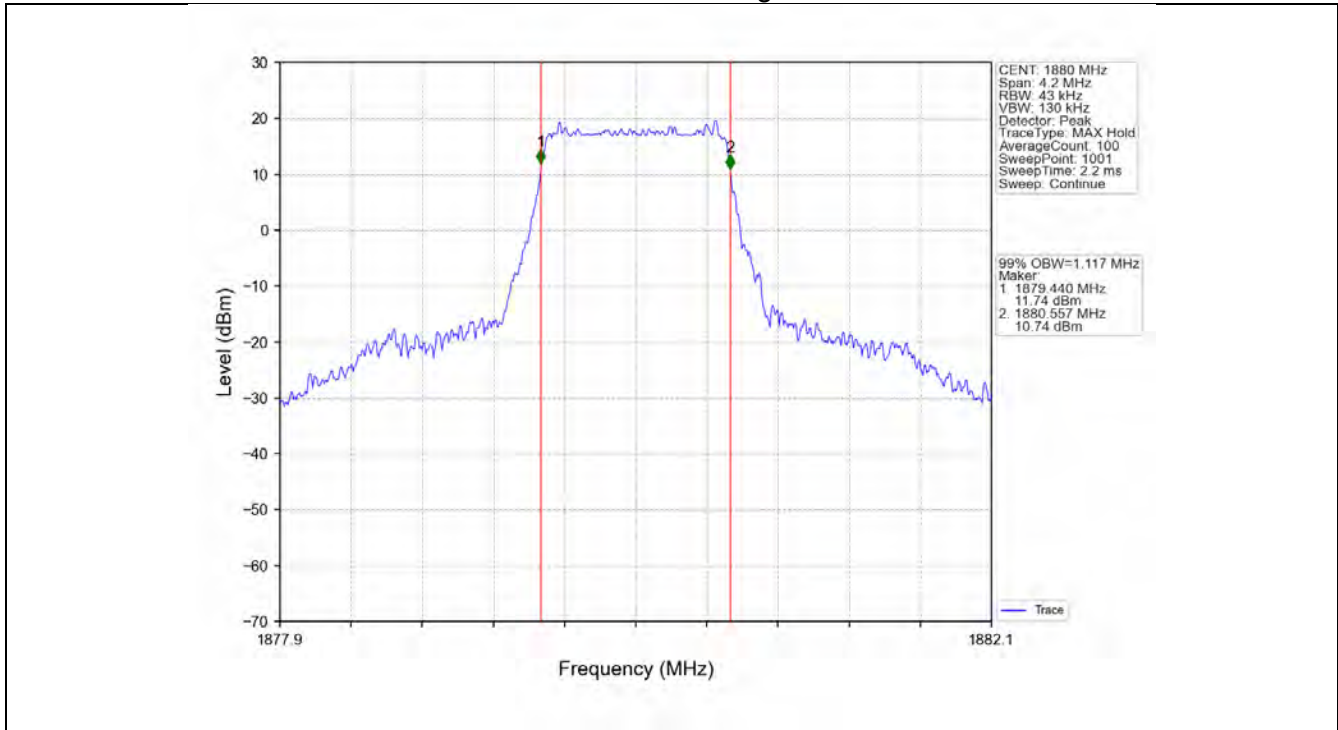
4.1.2 Test Graph



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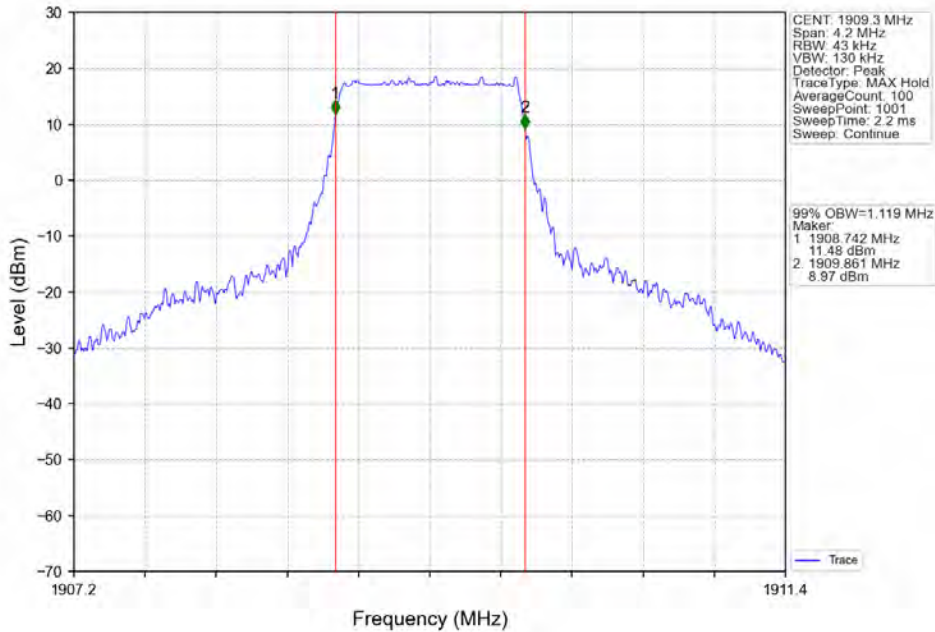
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Band2_1.4MHz_QPSK_HCH_1909.3MHz_RB_6_0_NTNV



Band2_1.4MHz_16QAM_LCH_1850.7MHz_RB_6_0_NTNV

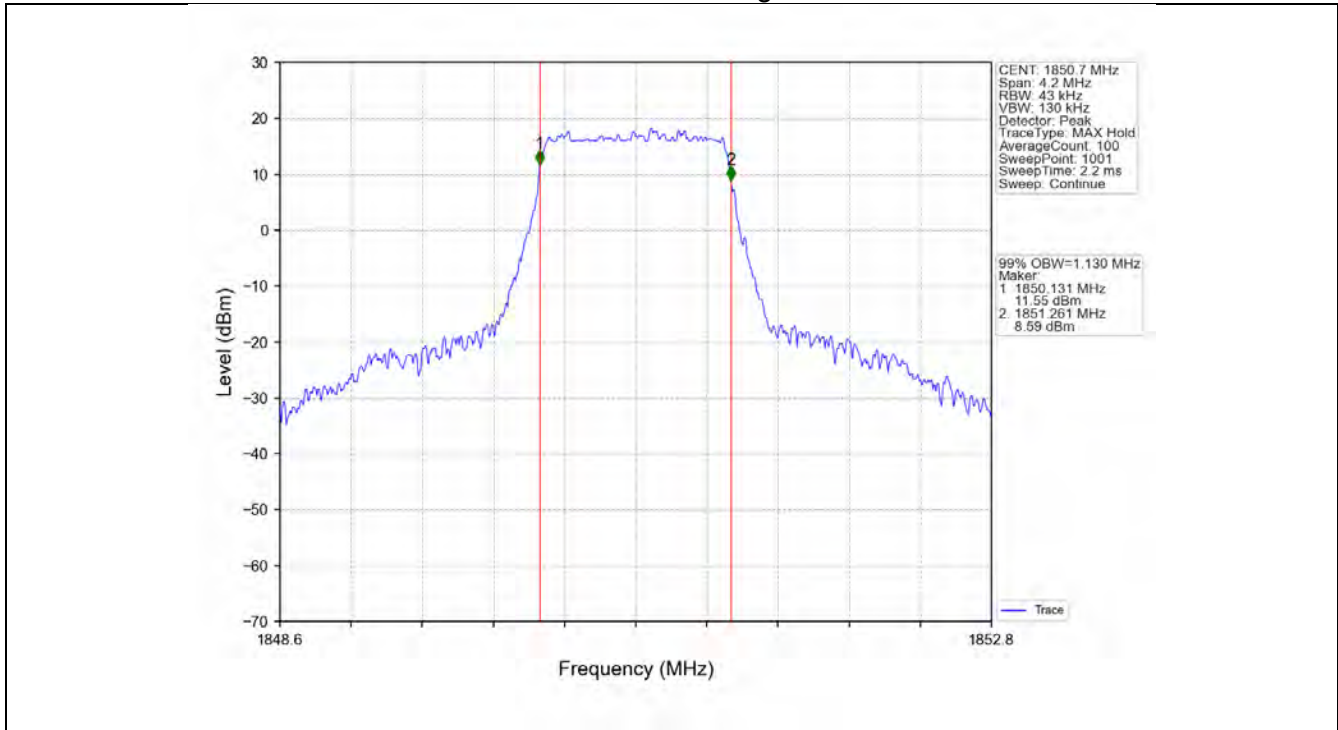


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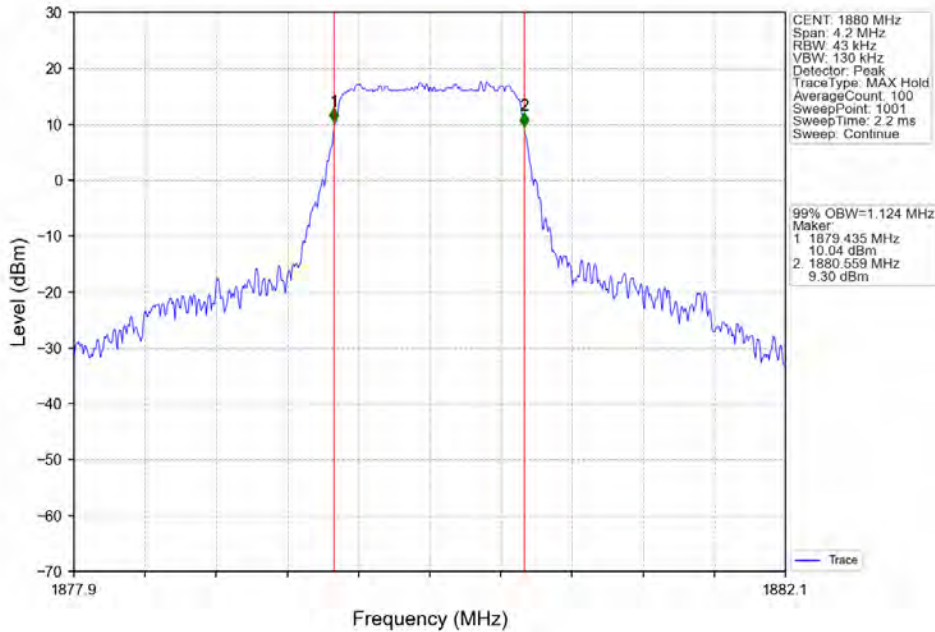
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Band2_1.4MHz_16QAM_MCH_1880MHz_RB_6_0_NTNV



Band2_1.4MHz_16QAM_HCH_1909.3MHz_RB_6_0_NTNV

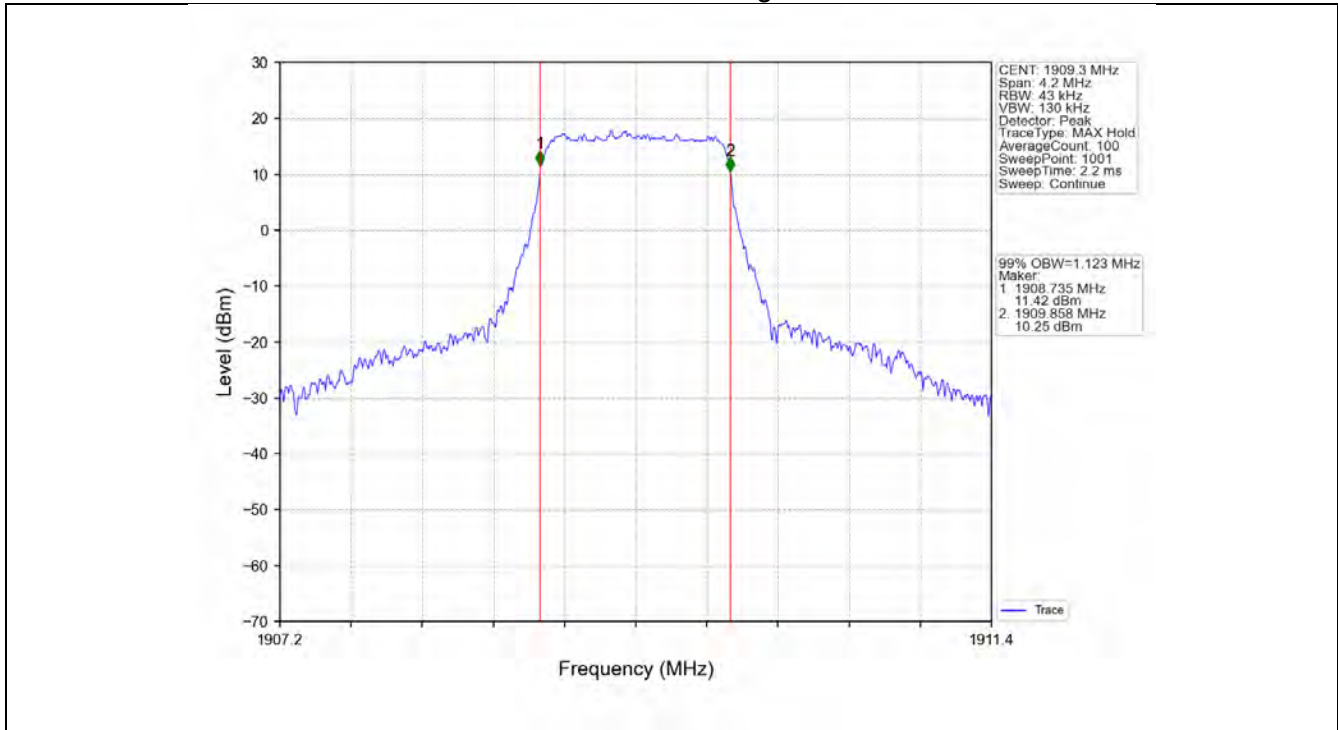


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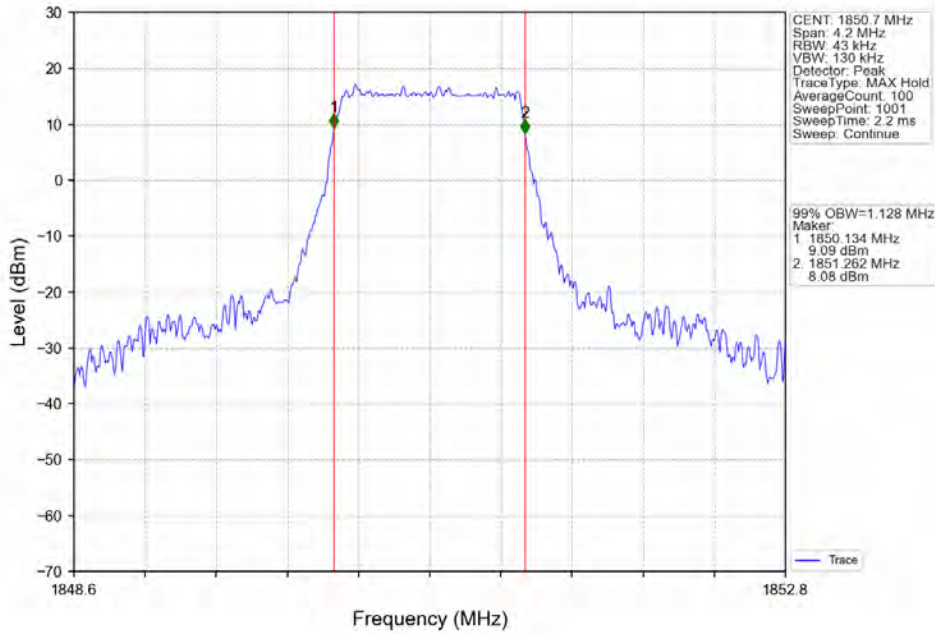
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Band2_1.4MHz_64QAM_LCH_1850.7MHz_RB_6_0_NTNV



Band2_1.4MHz_64QAM_MCH_1880MHz_RB_6_0_NTNV



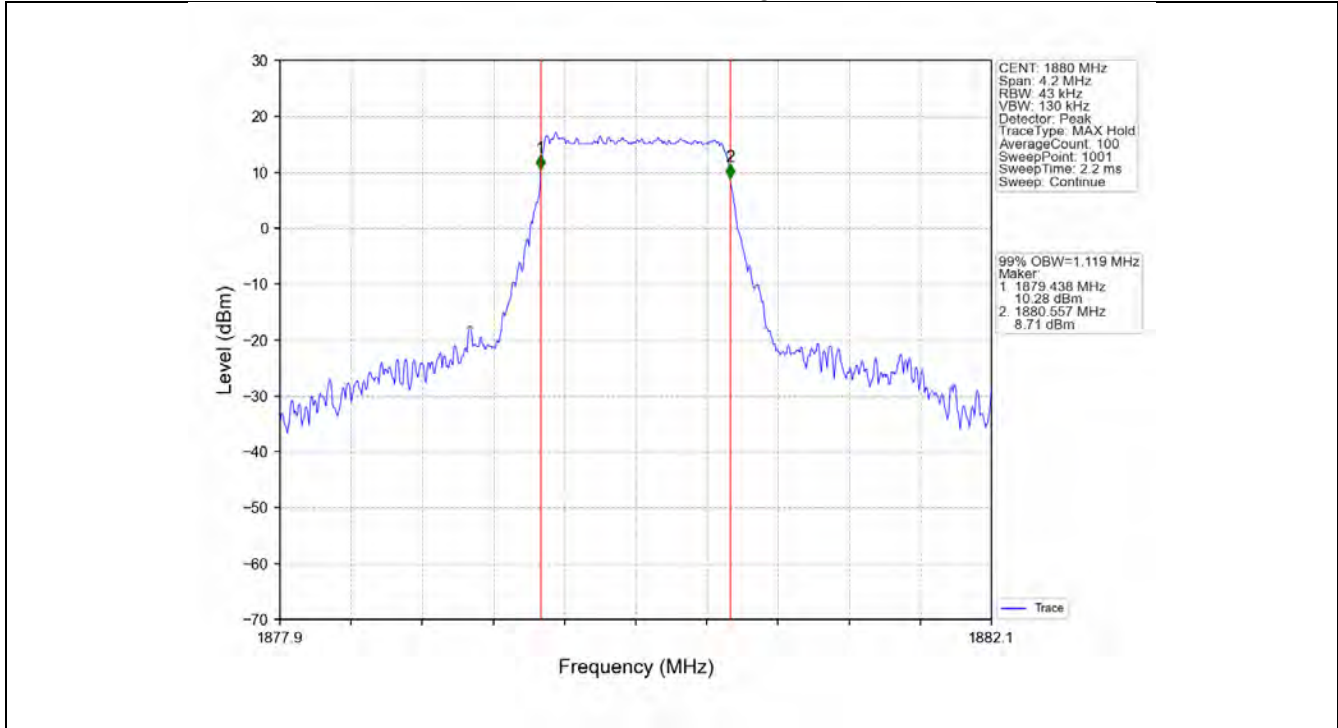
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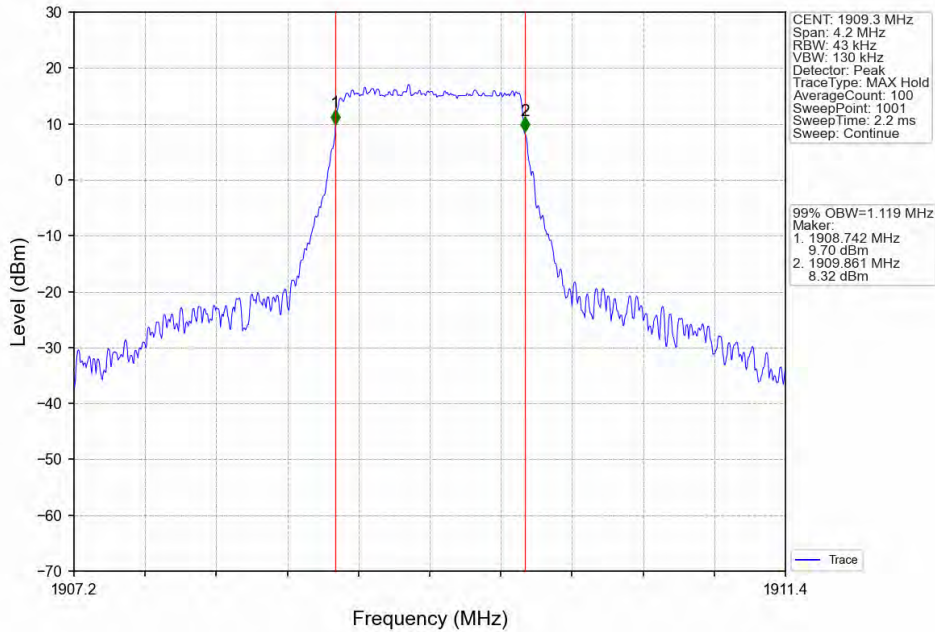


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Band2_1.4MHz_64QAM_HCH_1909.3MHz_RB_6_0_NTNV



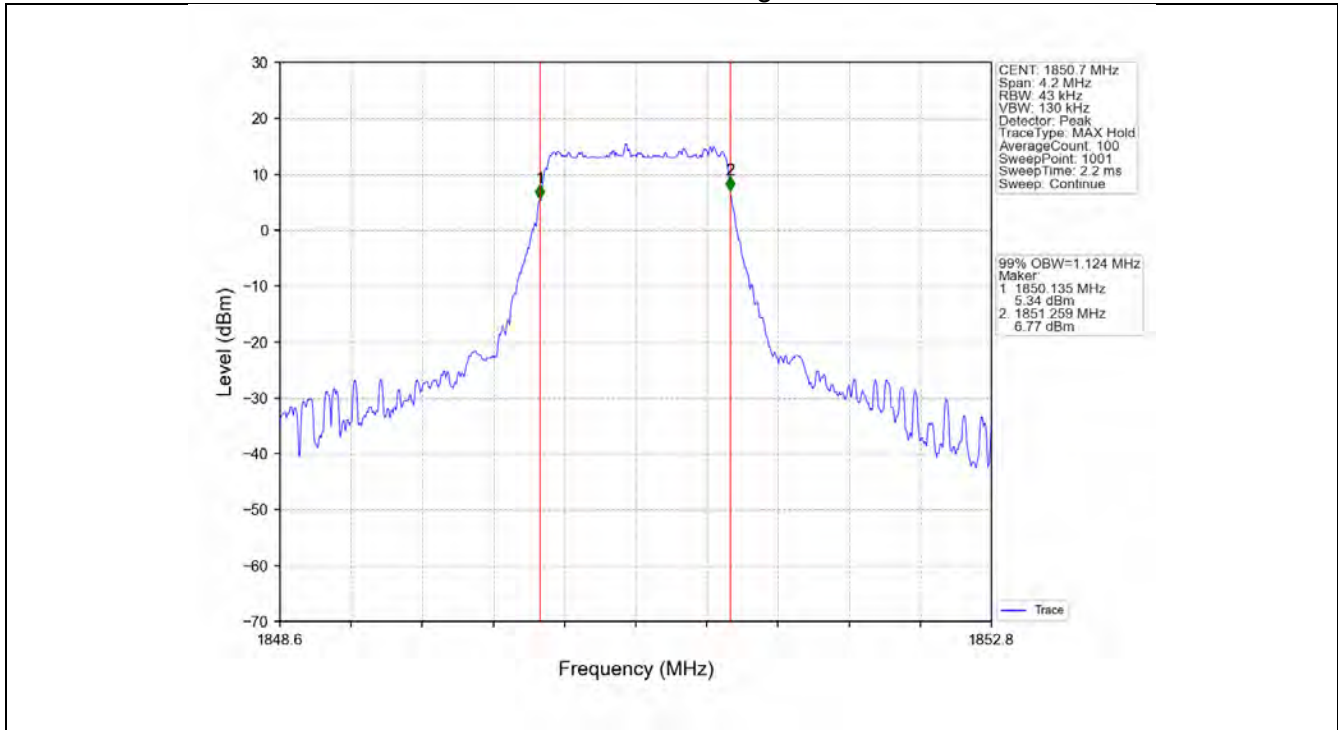
Band2_1.4MHz_256QAM_LCH_1850.7MHz_RB_6_0_NTNV



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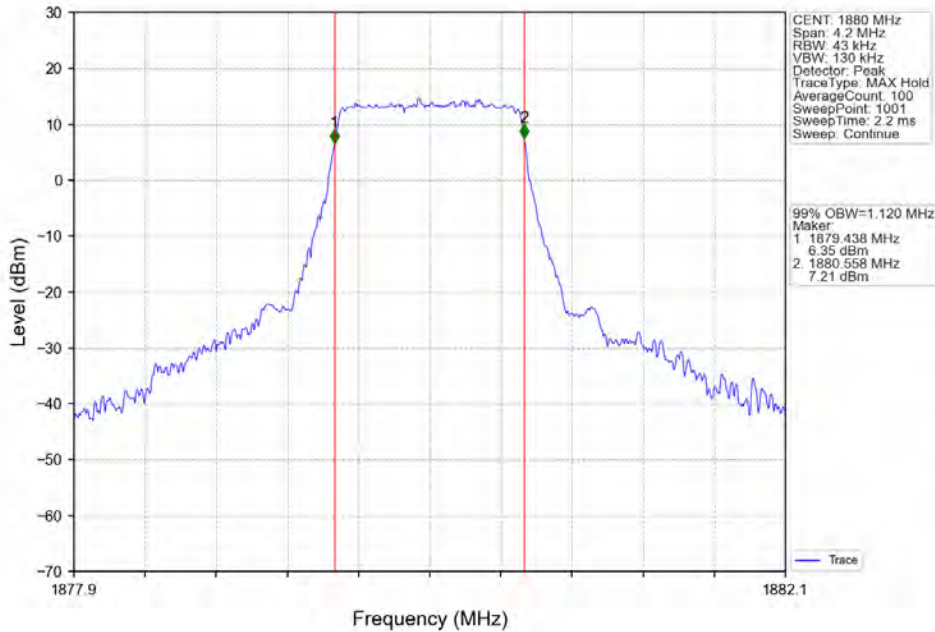
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Band2_1.4MHz_256QAM_MCH_1880MHz_RB_6_0_NTNV



Band2_1.4MHz_256QAM_HCH_1909.3MHz_RB_6_0_NTNV

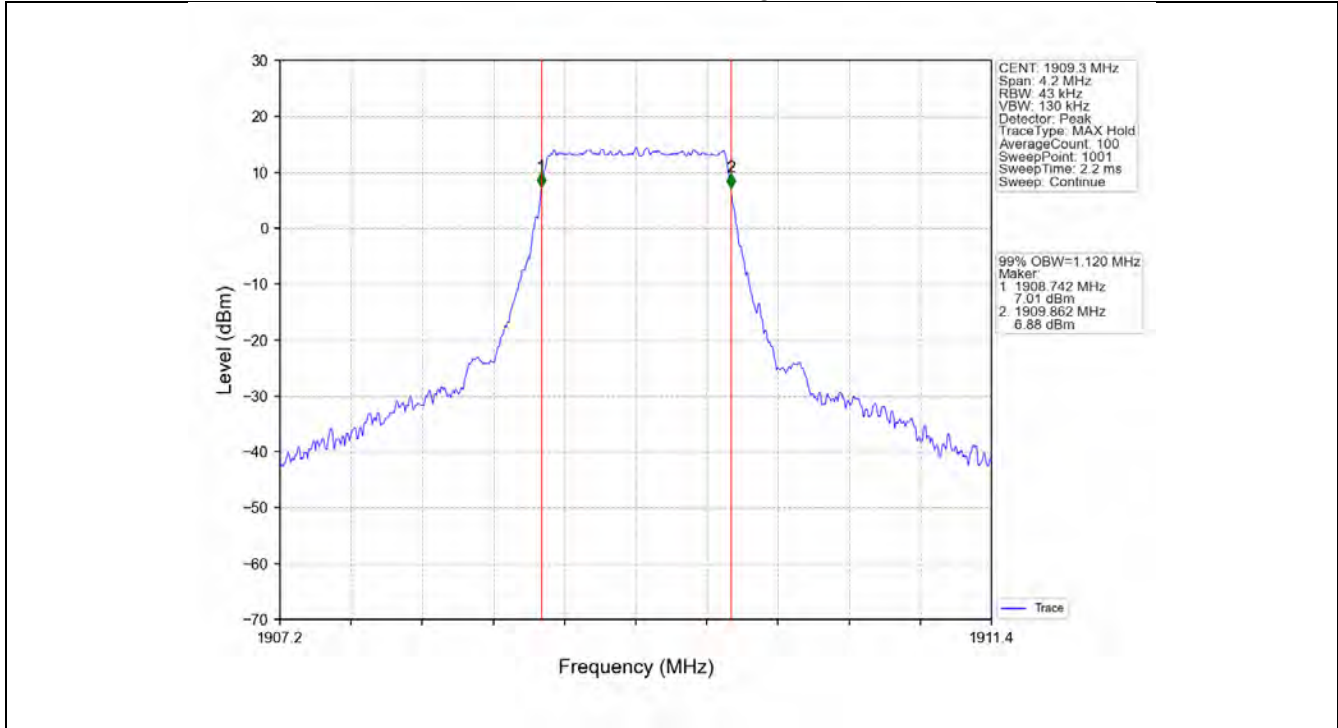


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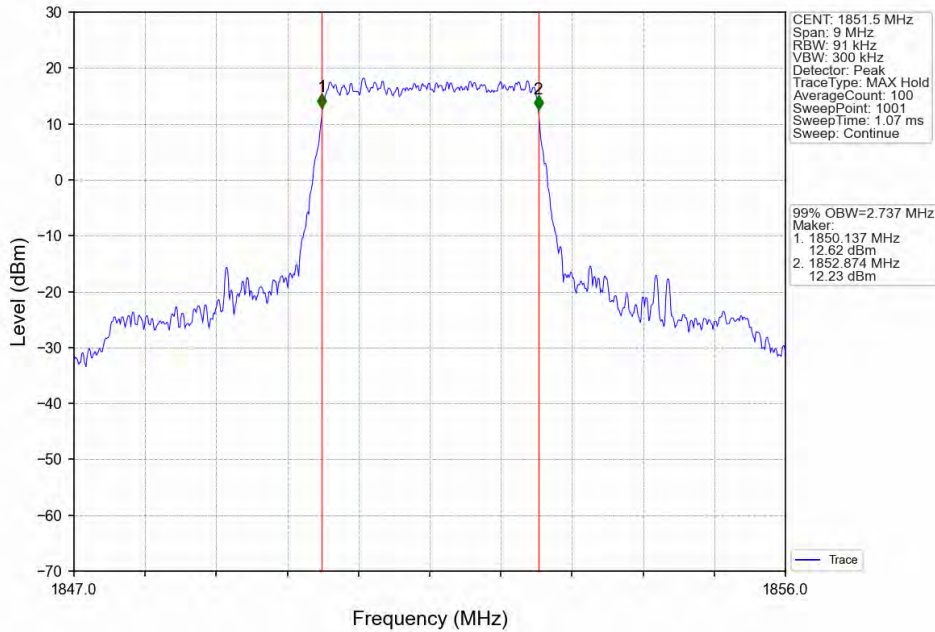


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Band2_3MHz_QPSK_LCH_1851.5MHz_RB_15_0_NTNV



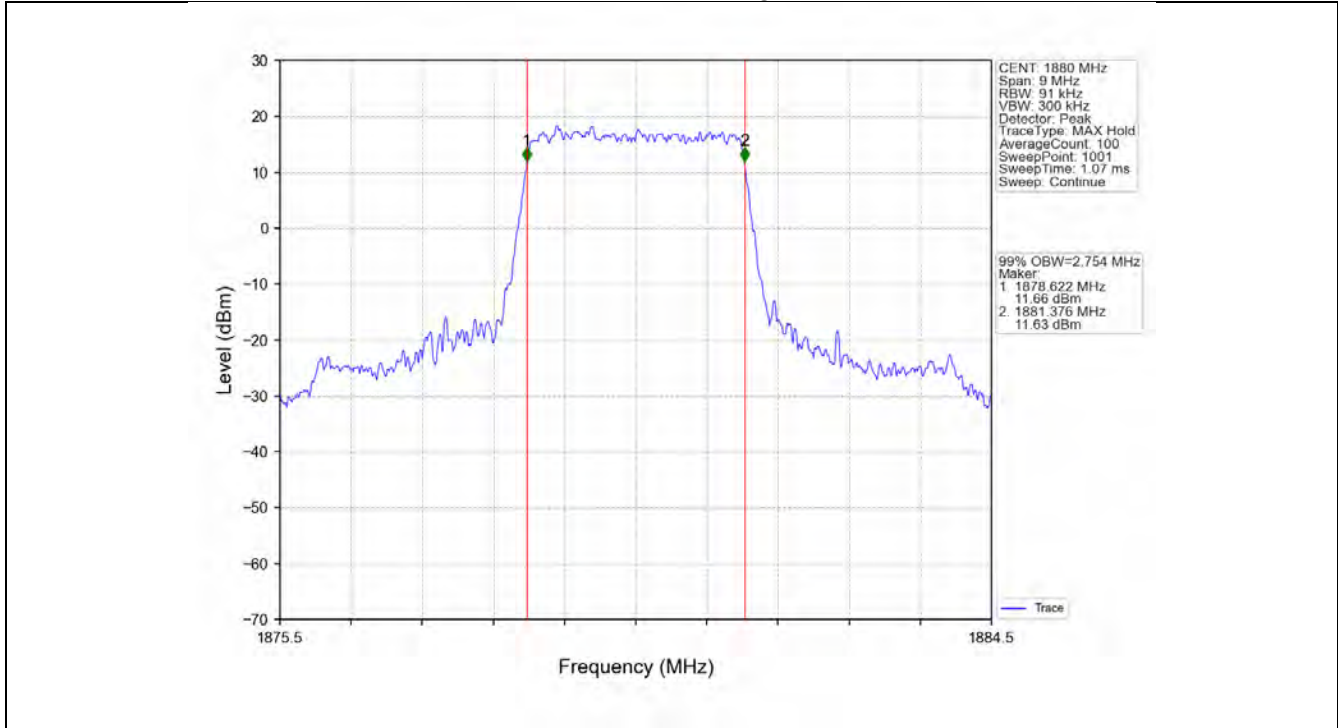
Band2_3MHz_QPSK_MCH_1880MHz_RB_15_0_NTNV



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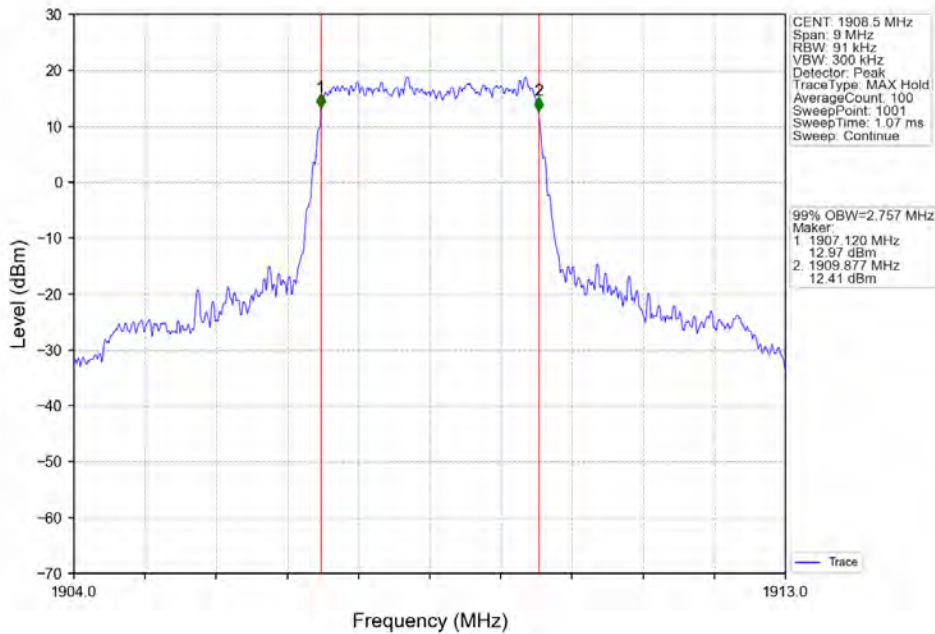
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Band2_3MHz_QPSK_HCH_1908.5MHz_RB_15_0_NTNV



Band2_3MHz_16QAM_LCH_1851.5MHz_RB_15_0_NTNV

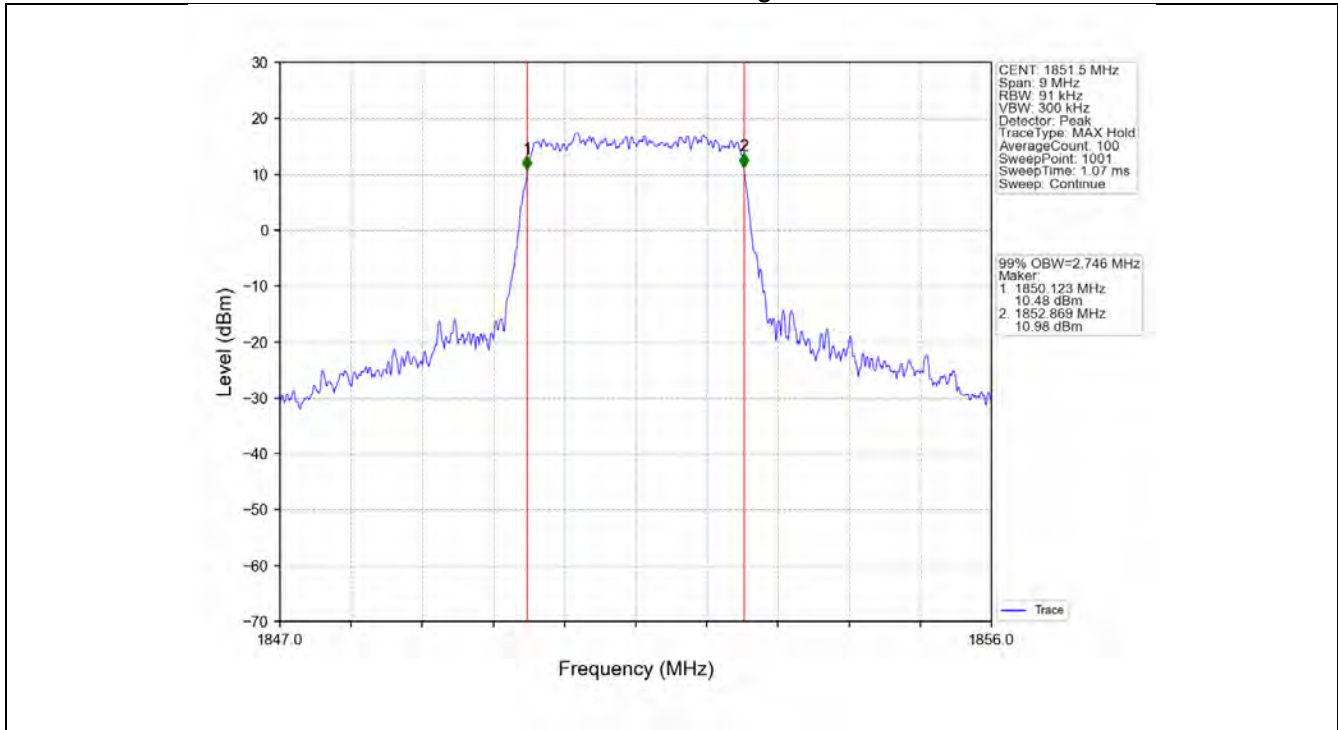


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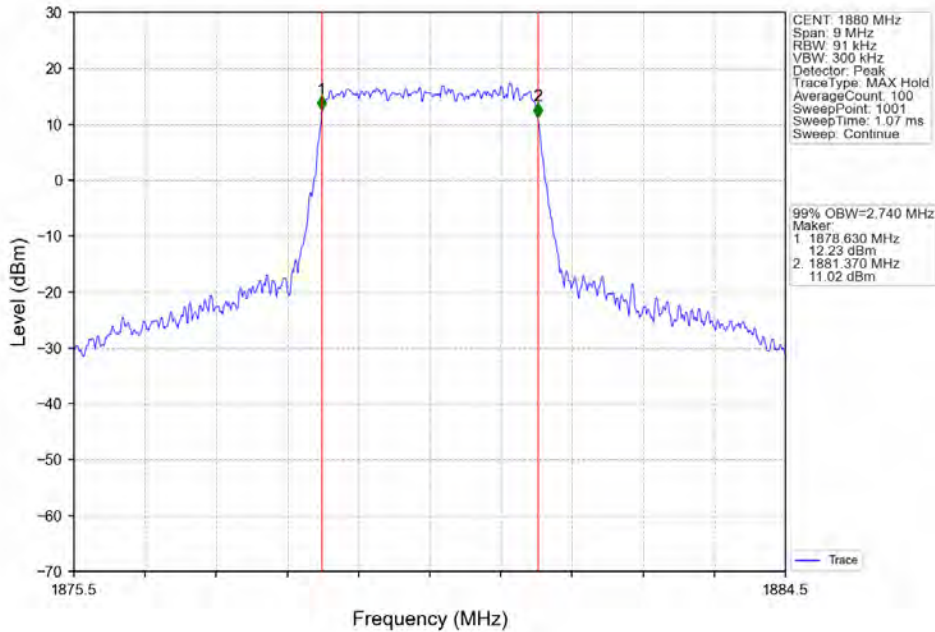


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Band2_3MHz_16QAM_HCH_1908.5MHz_RB_15_0_NTNV



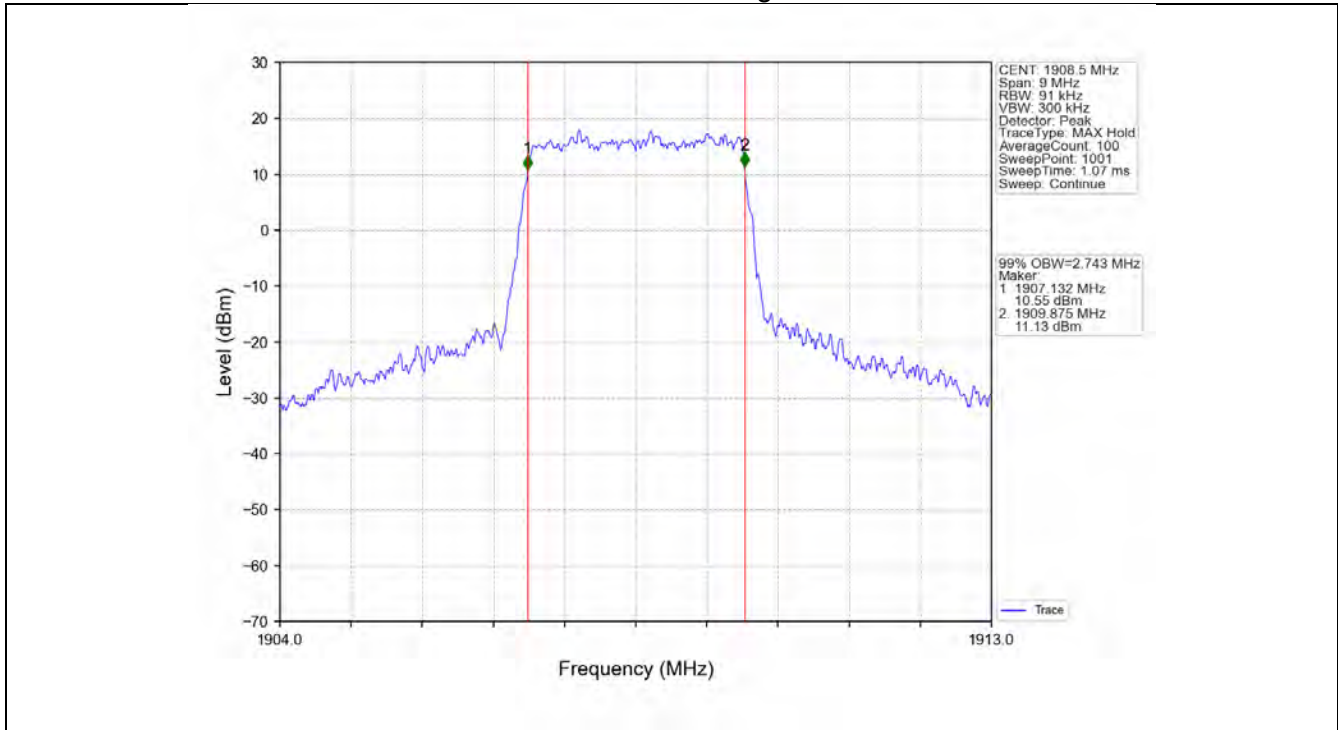
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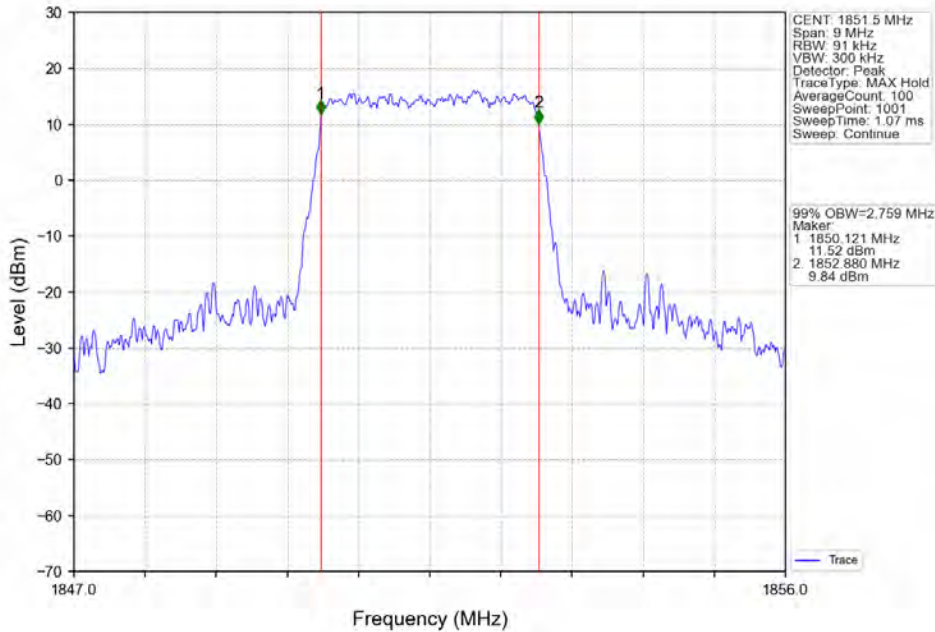
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Band2_3MHz_64QAM_LCH_1851.5MHz_RB_15_0_NTNV



Band2_3MHz_64QAM_MCH_1880MHz_RB_15_0_NTNV



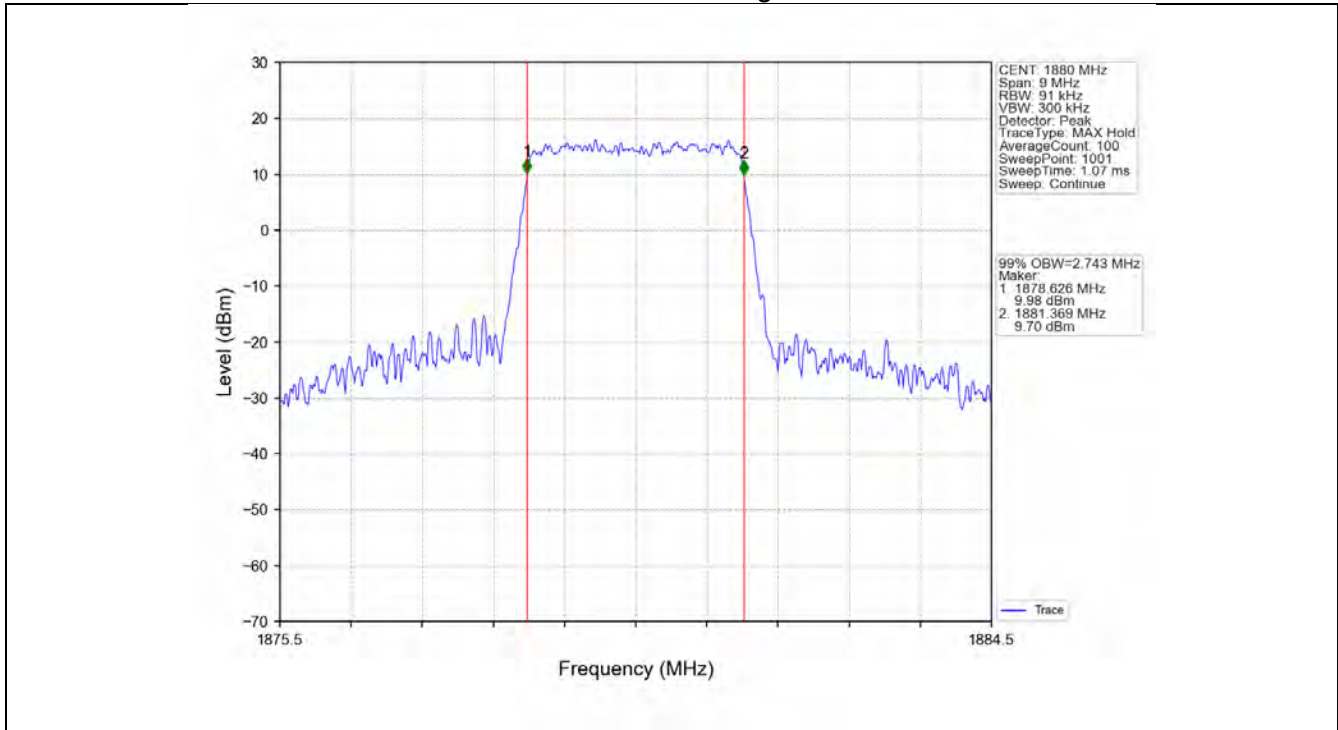
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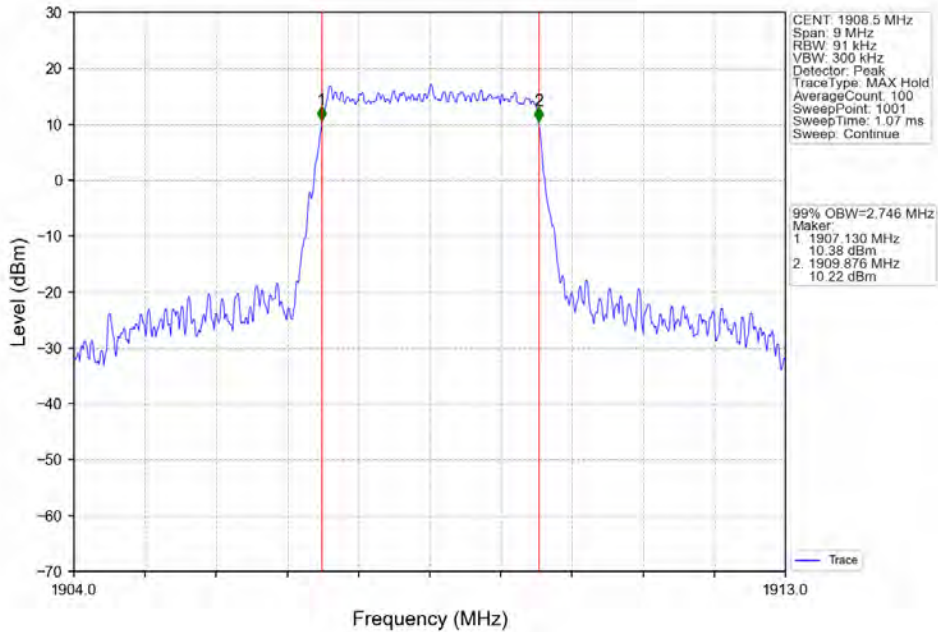
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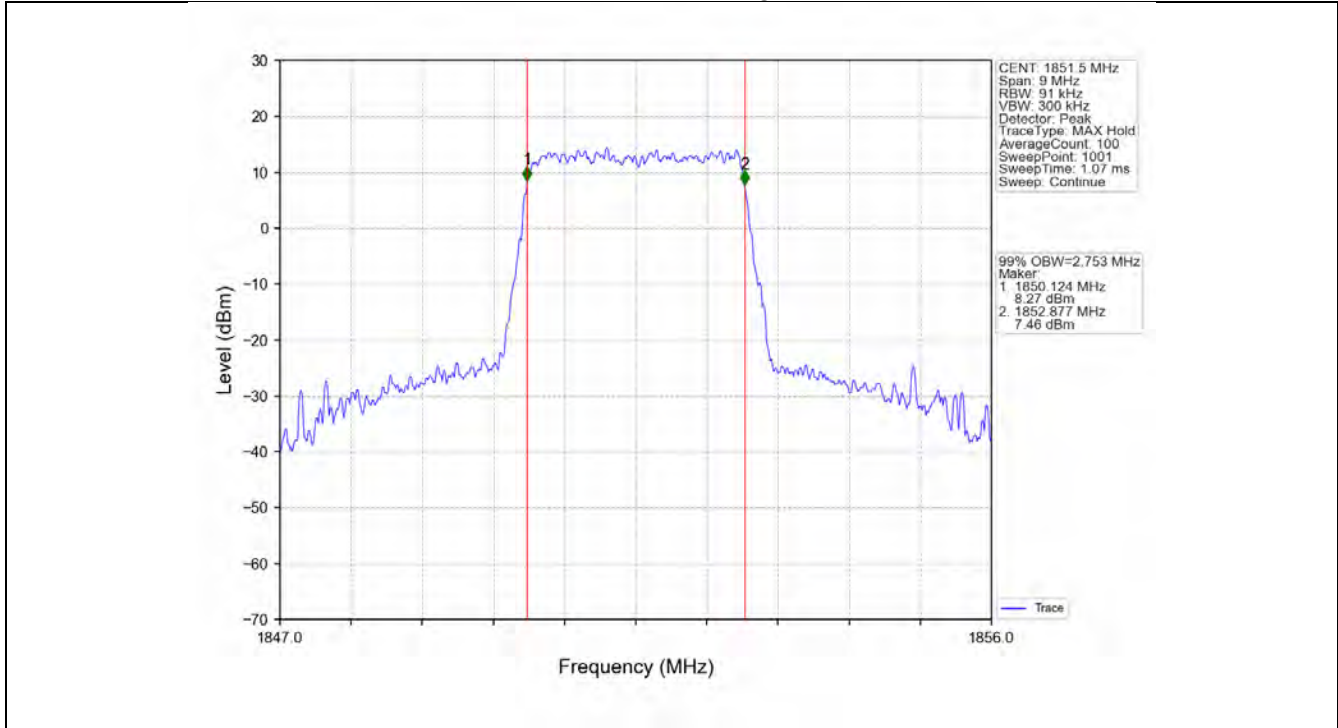
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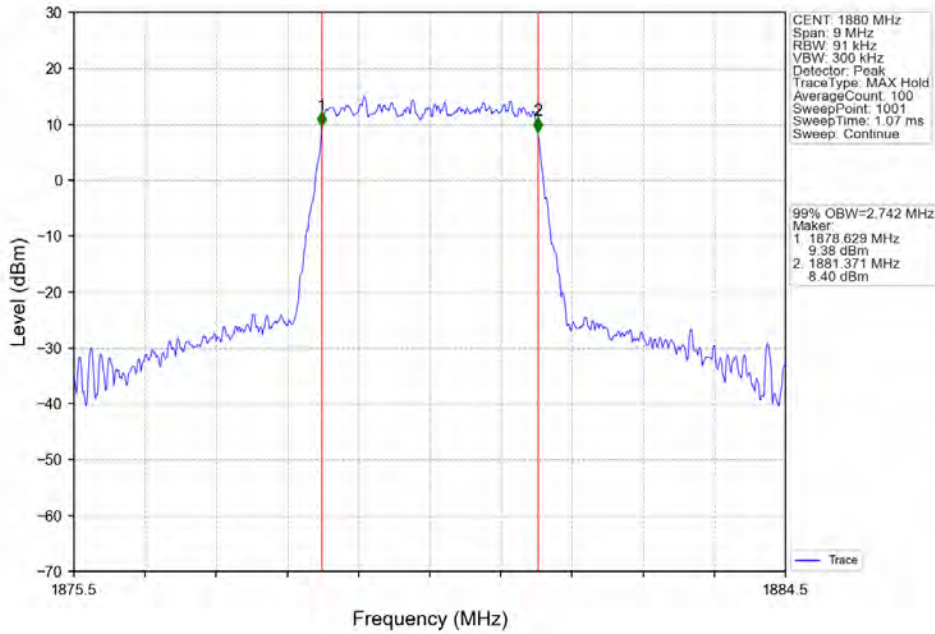


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Band2_3MHz_256QAM_MCH_1880MHz_RB_15_0_NTNV



Band2_3MHz_256QAM_HCH_1908.5MHz_RB_15_0_NTNV



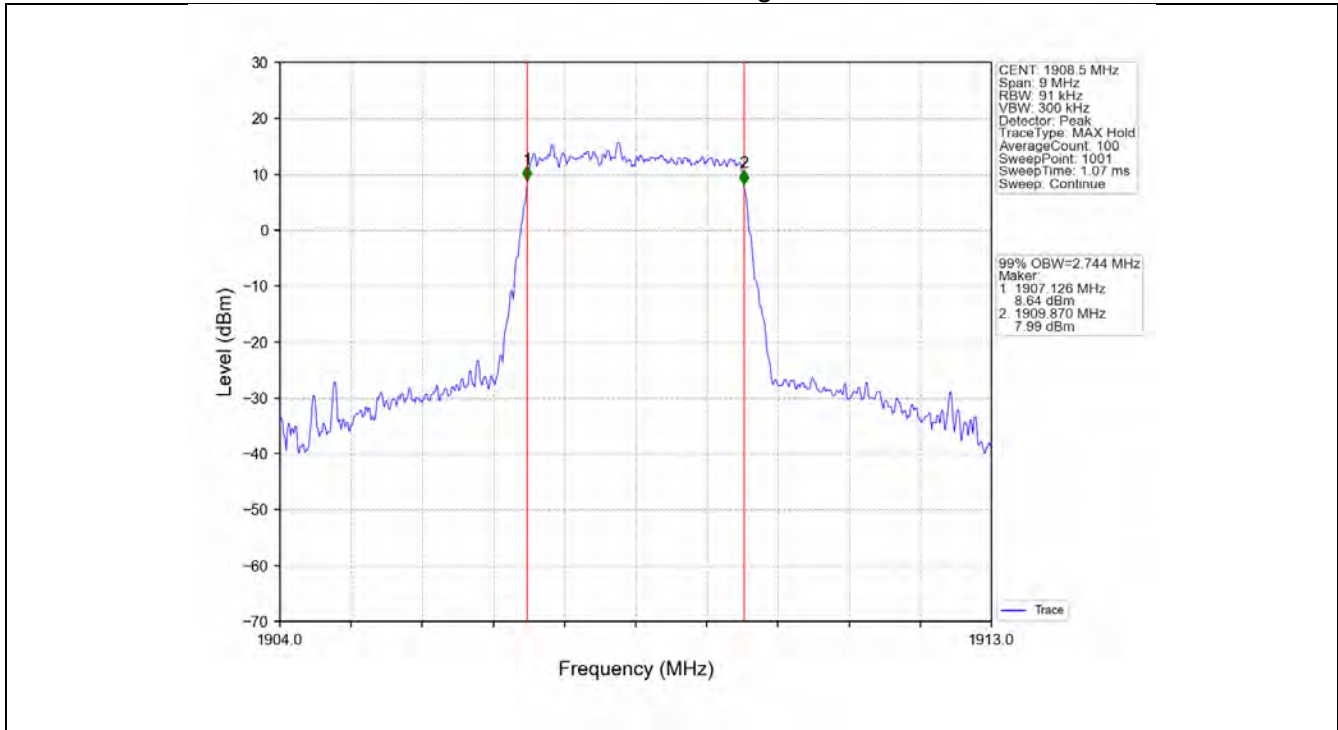
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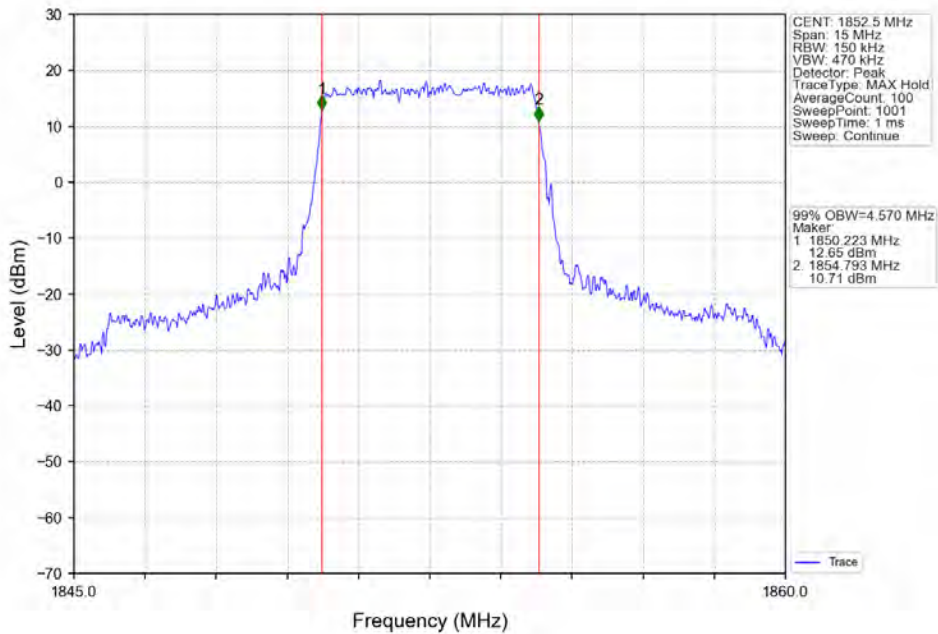
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Band2_5MHz_QPSK_LCH_1852.5MHz_RB_25_0_NTNV



Band2_5MHz_QPSK_MCH_1880MHz_RB_25_0_NTNV



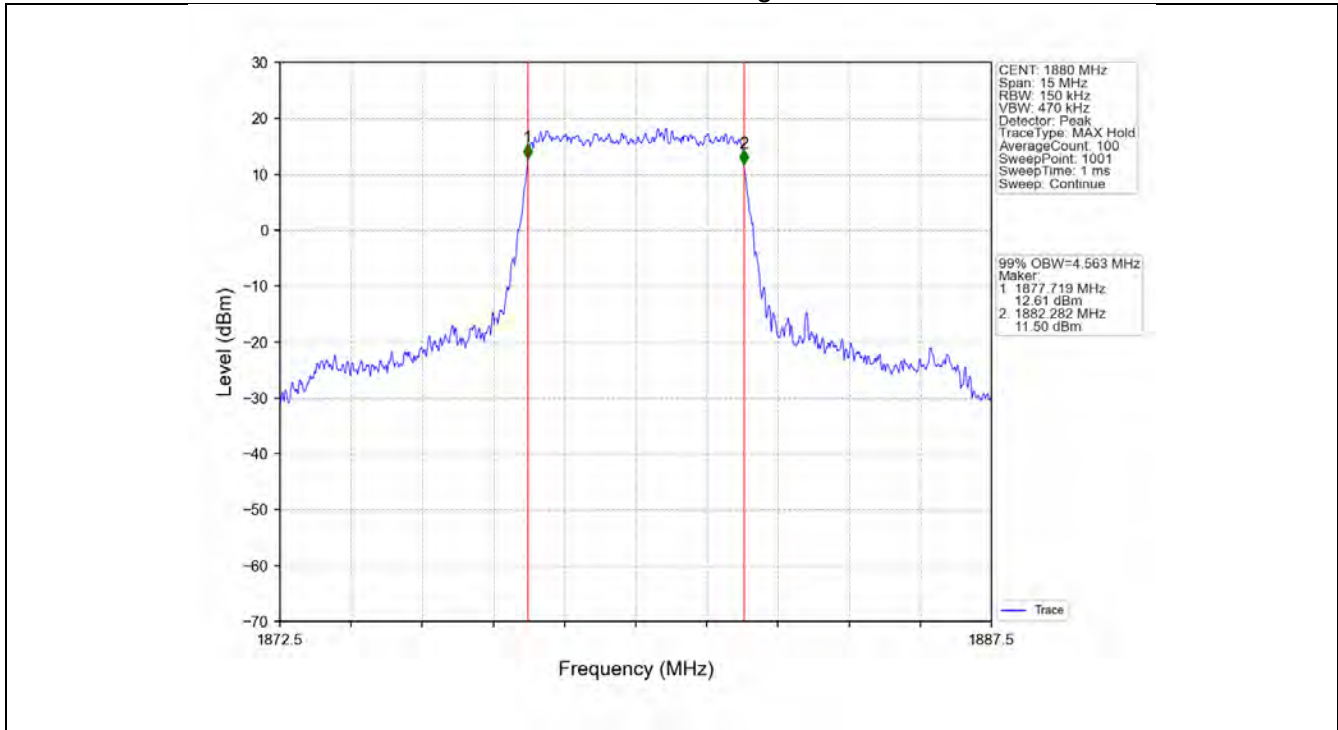
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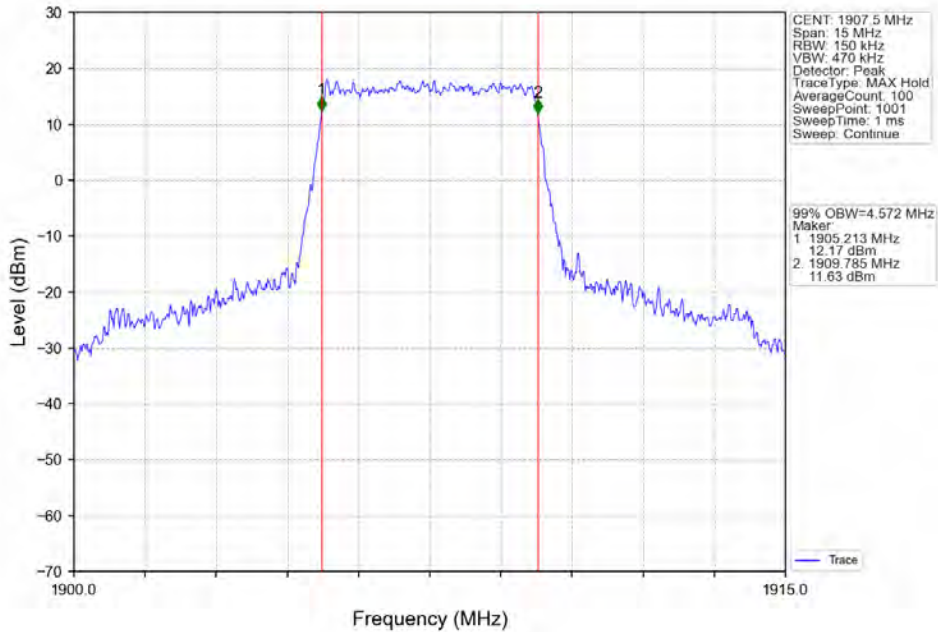


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Band2_5MHz_QPSK_HCH_1907.5MHz_RB_25_0_NTNV



Band2_5MHz_16QAM_LCH_1852.5MHz_RB_25_0_NTNV



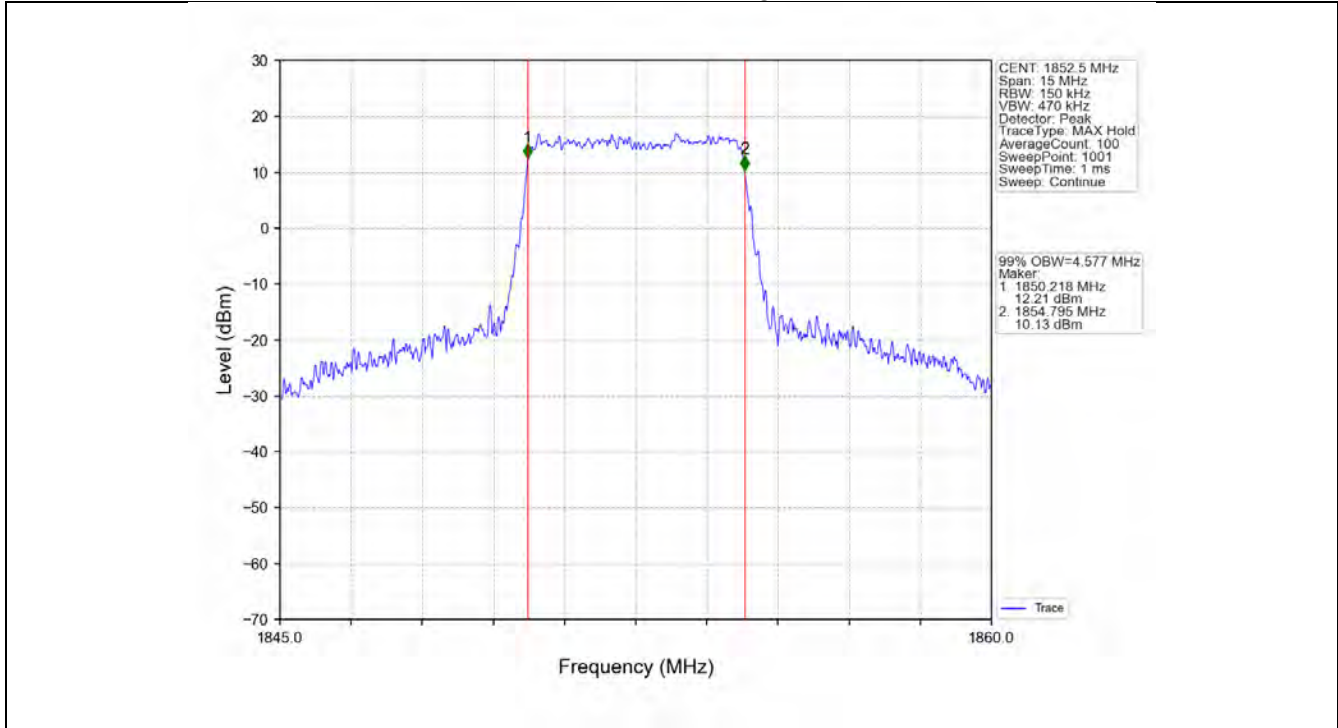
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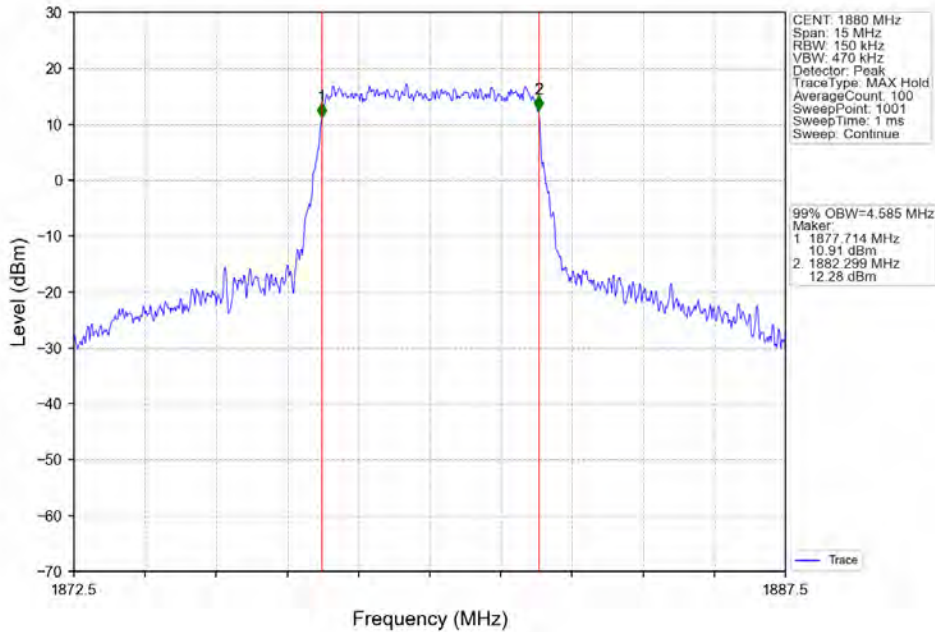


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Band2_5MHz_16QAM_MCH_1880MHz_RB_25_0_NTNV



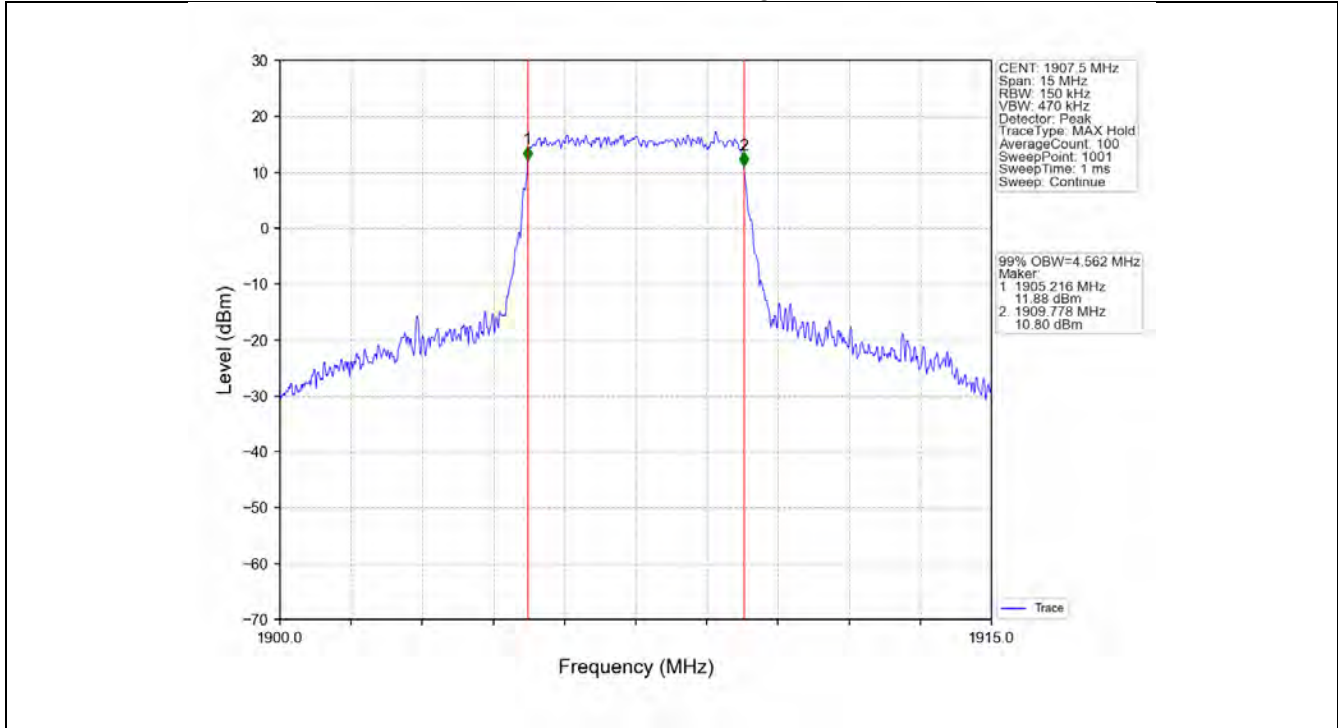
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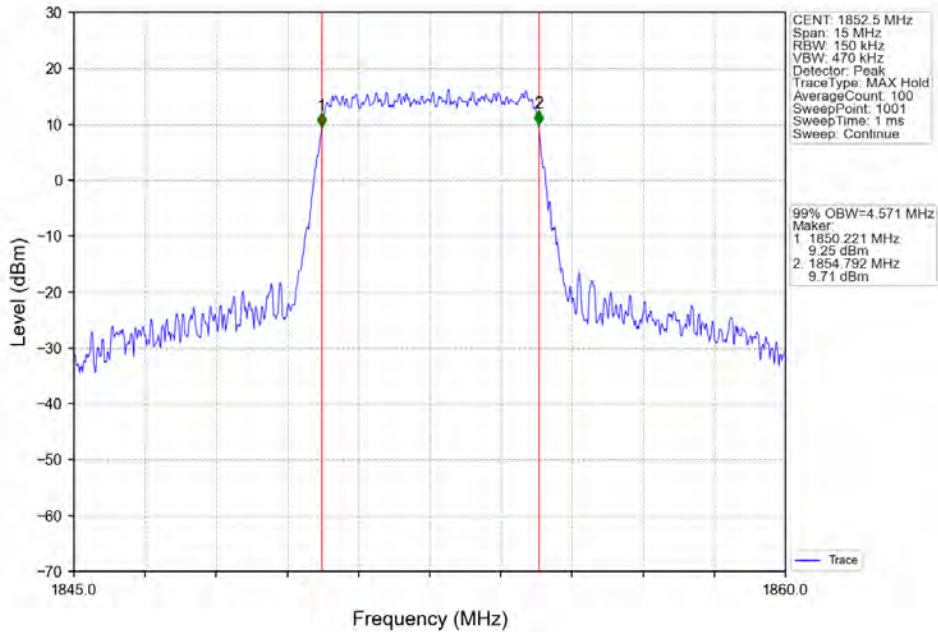
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Band2_5MHz_64QAM_LCH_1852.5MHz_RB_25_0_NTNV



Band2_5MHz_64QAM_MCH_1880MHz_RB_25_0_NTNV

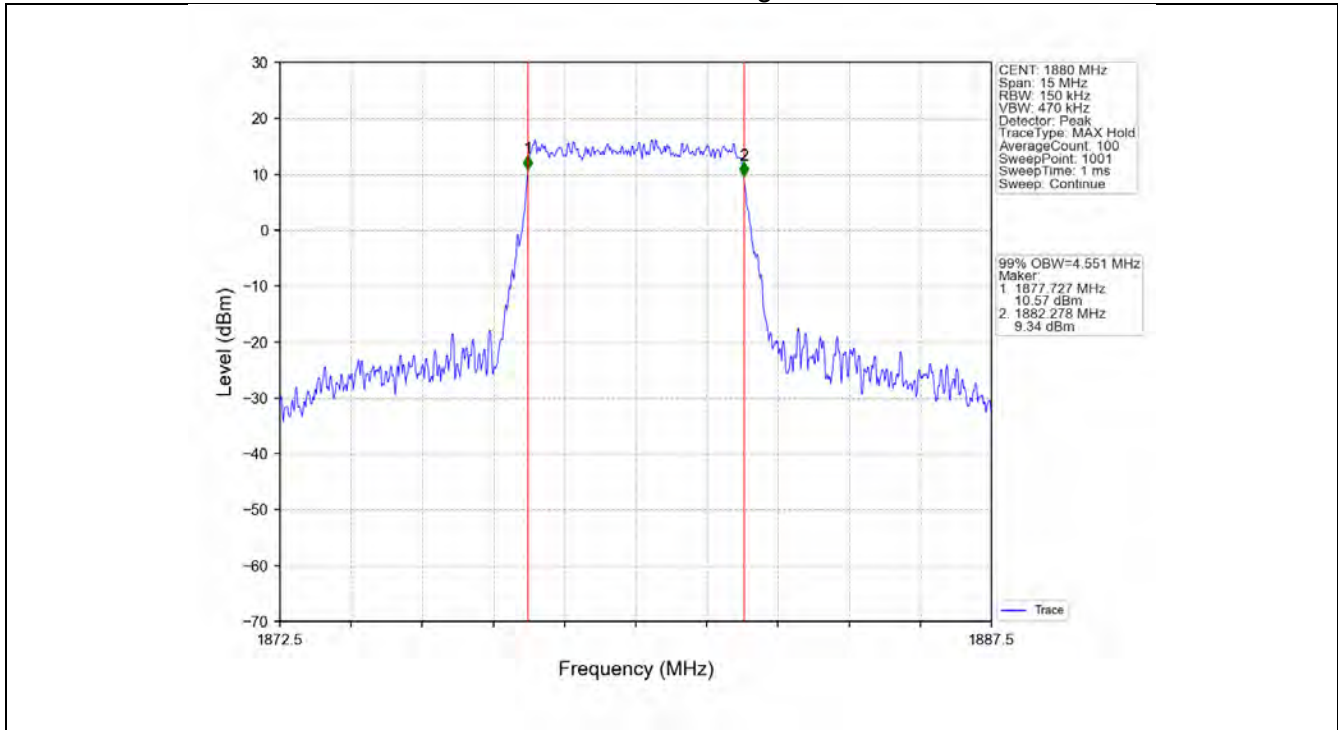


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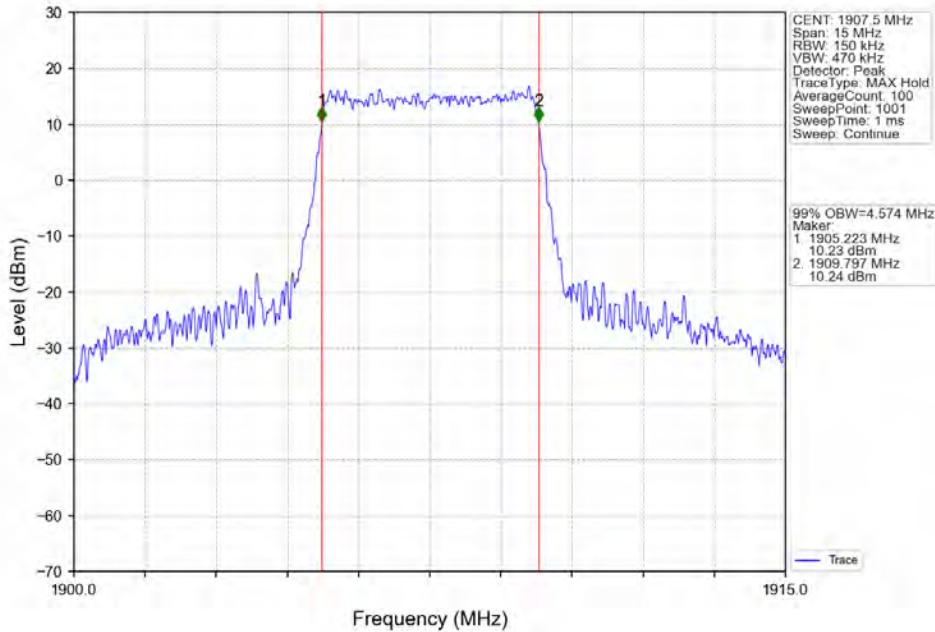
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Band2_5MHz_64QAM_HCH_1907.5MHz_RB_25_0_NTNV



Band2_5MHz_256QAM_LCH_1852.5MHz_RB_25_0_NTNV

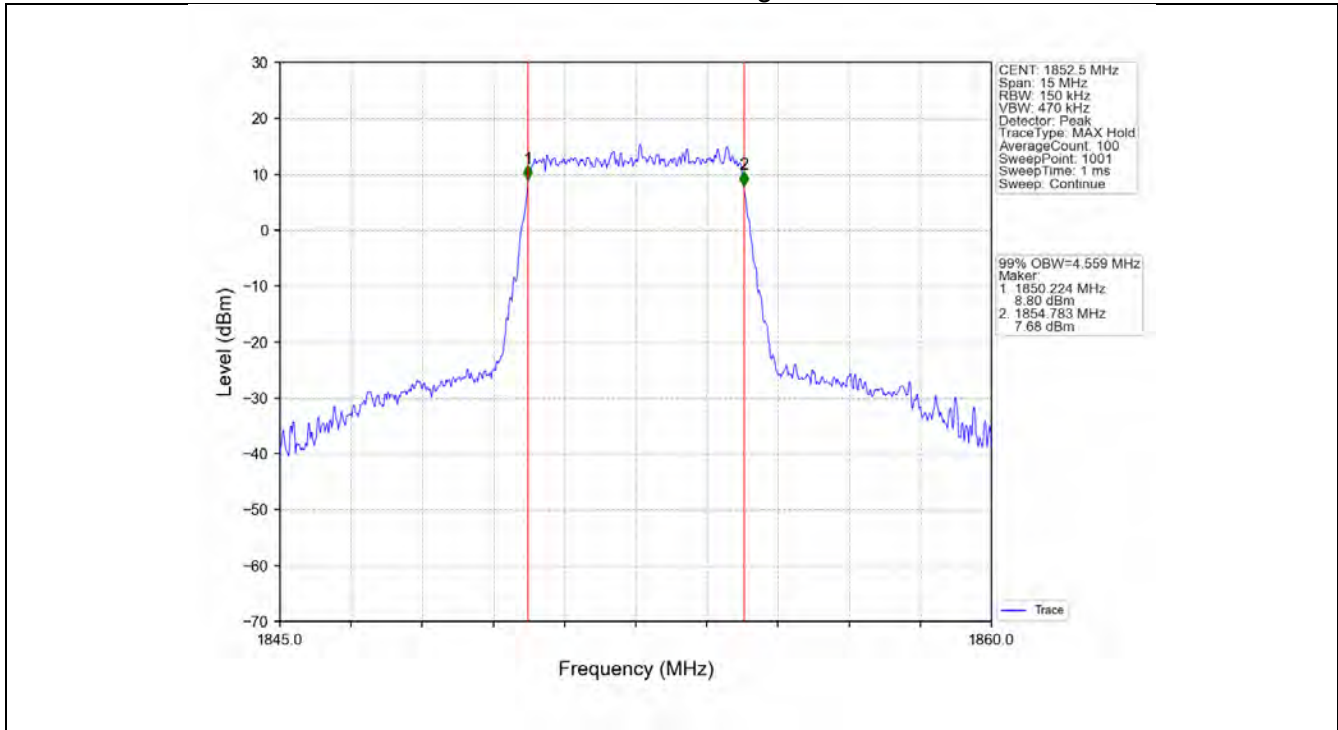


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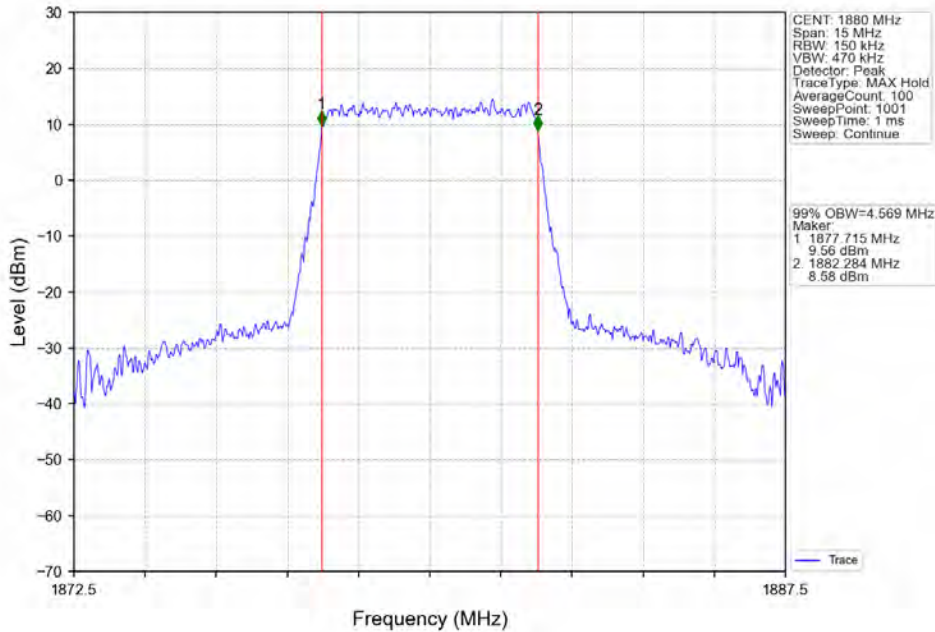
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Band2_5MHz_256QAM_HCH_1907.5MHz_RB_25_0_NTNV

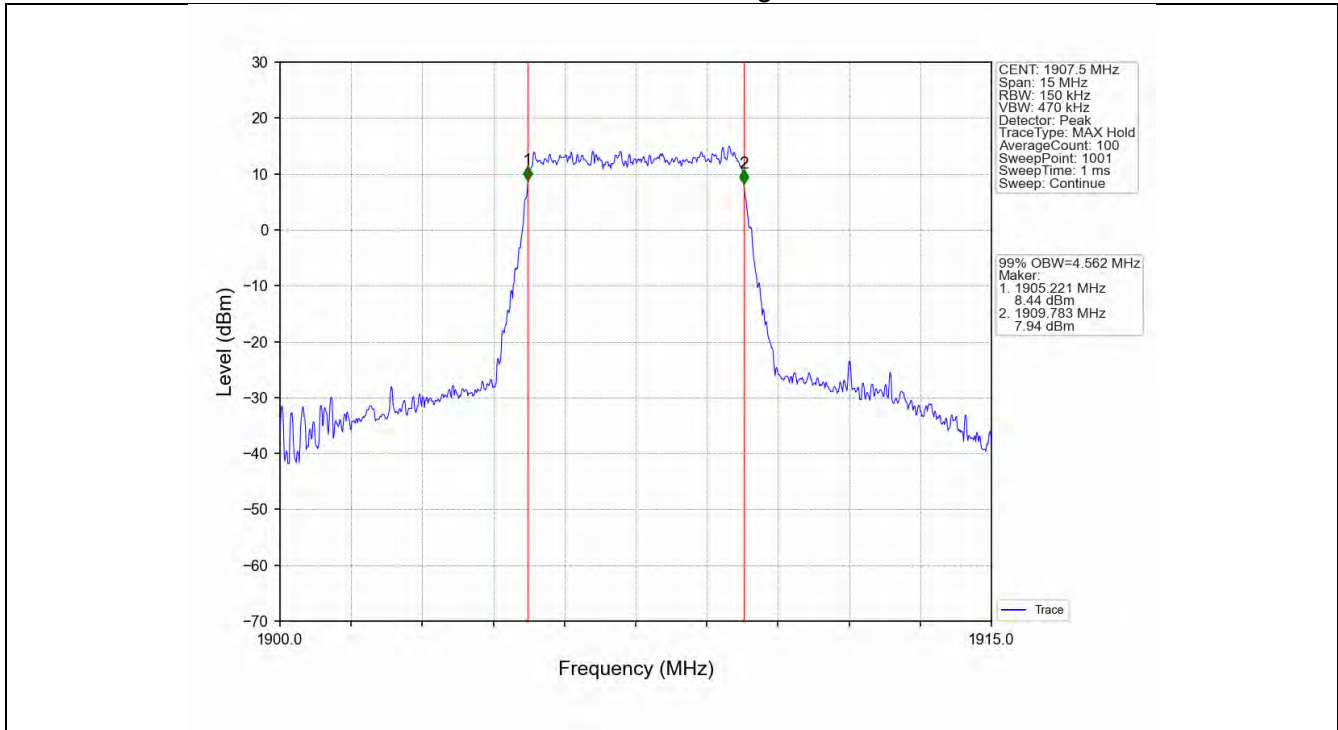


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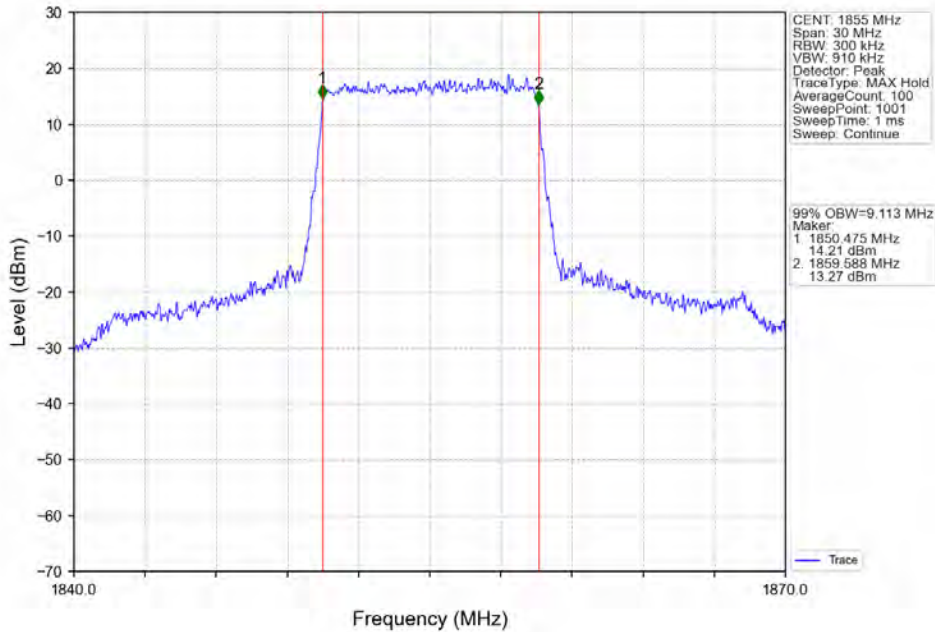


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Band2_10MHz_QPSK_LCH_1855MHz_RB_50_0_NTNV



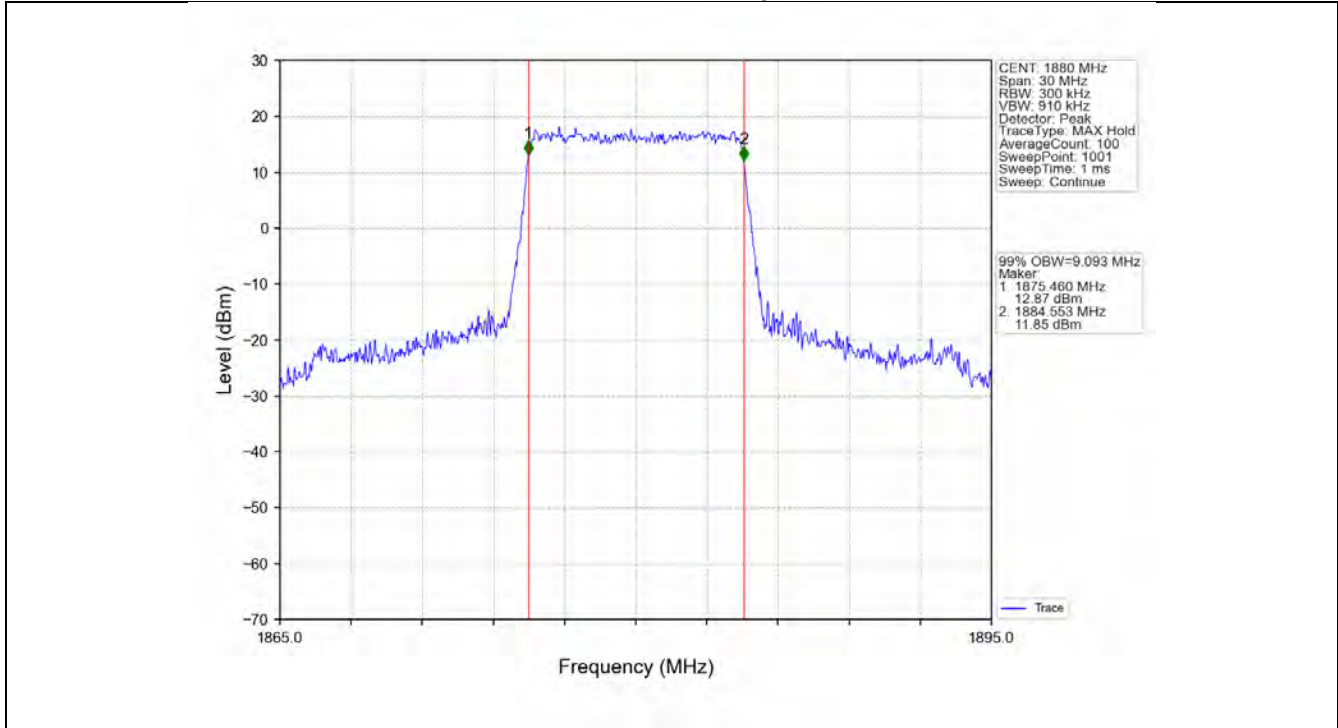
Band2_10MHz_QPSK_MCH_1880MHz_RB_50_0_NTNV



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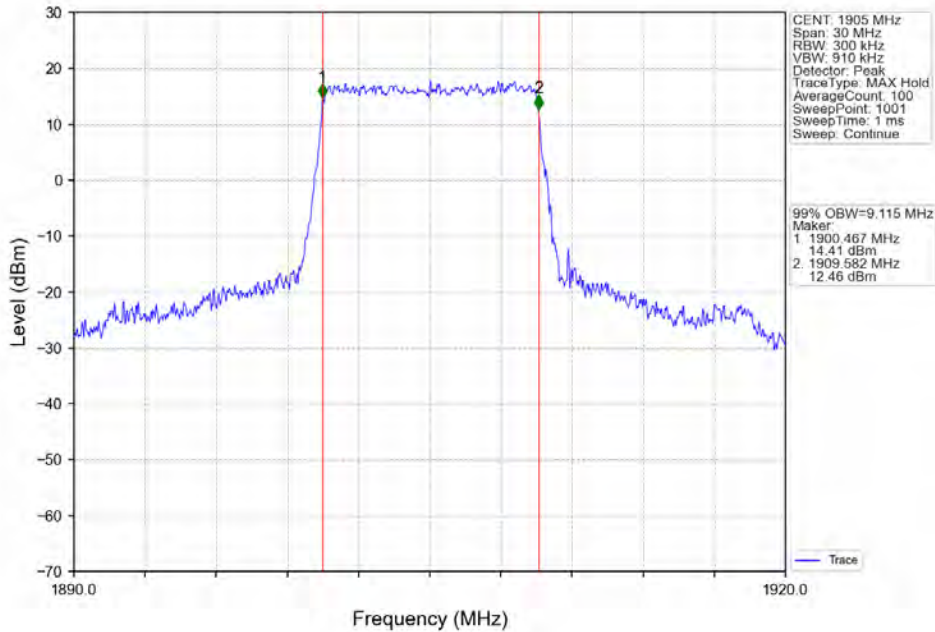
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Band2_10MHz_QPSK_HCH_1905MHz_RB_50_0_NTNV



Band2_10MHz_16QAM_LCH_1855MHz_RB_50_0_NTNV

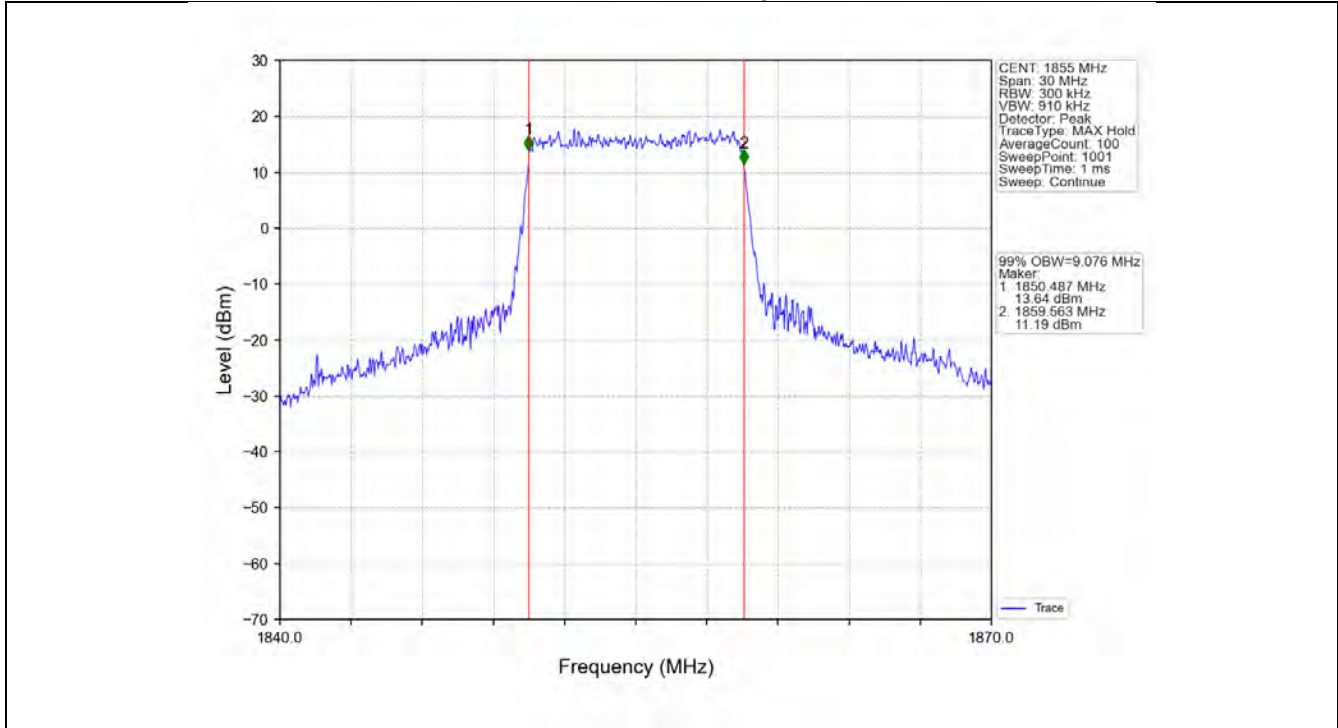


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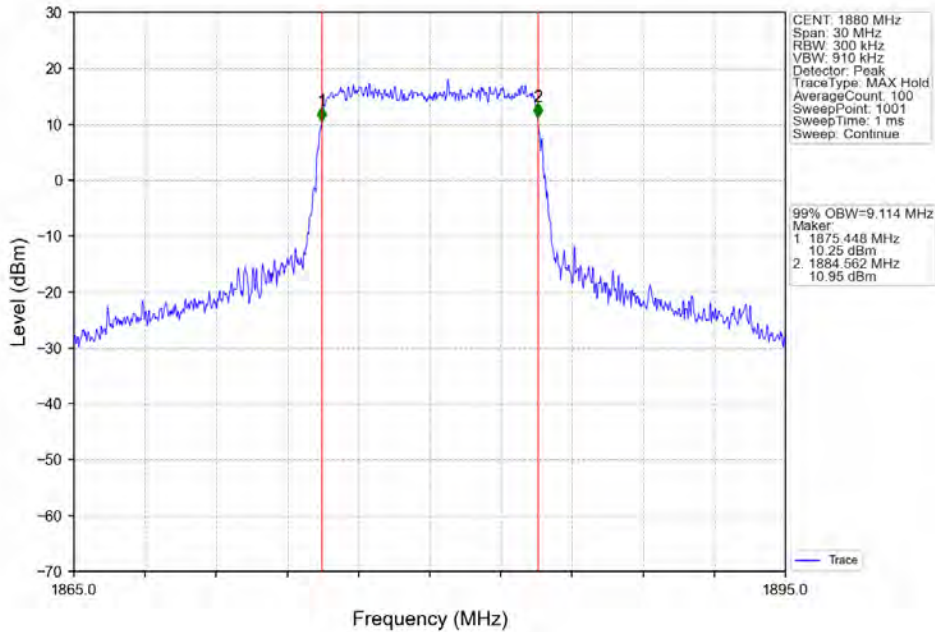
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Band2_10MHz_16QAM_MCH_1880MHz_RB_50_0_NTNV



Band2_10MHz_16QAM_HCH_1905MHz_RB_50_0_NTNV

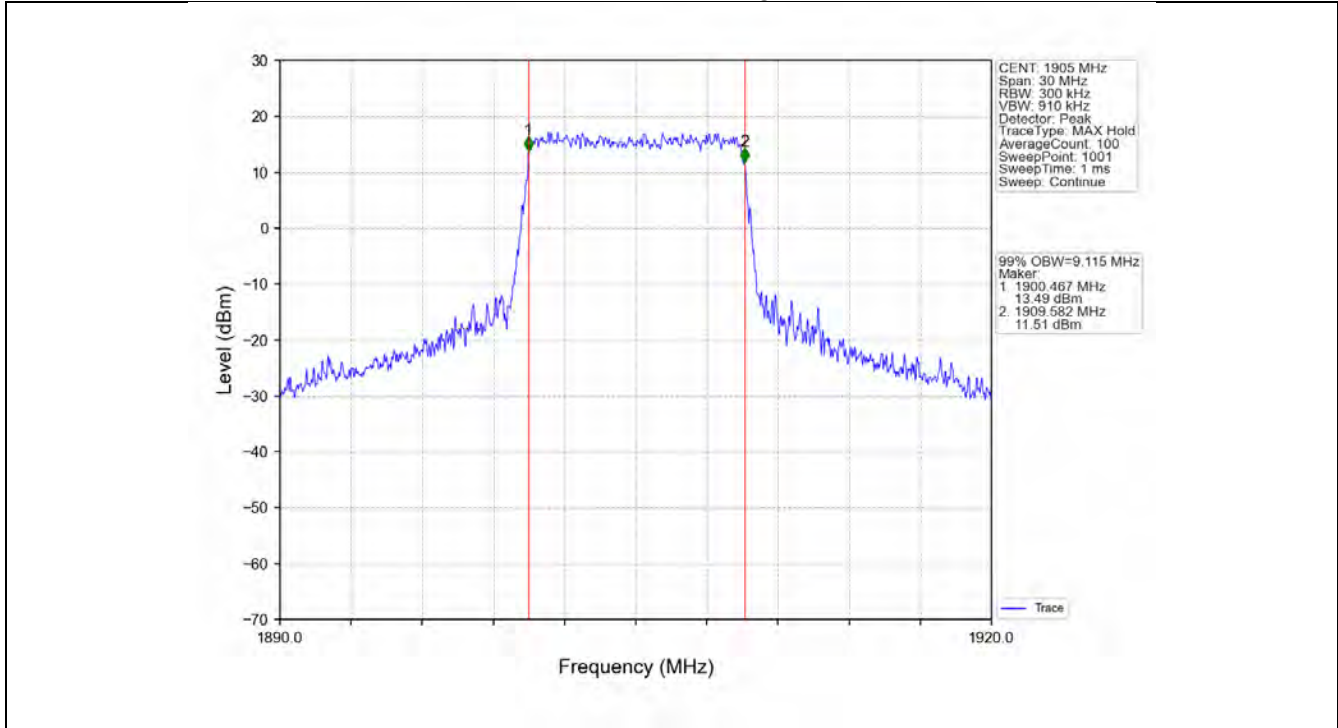


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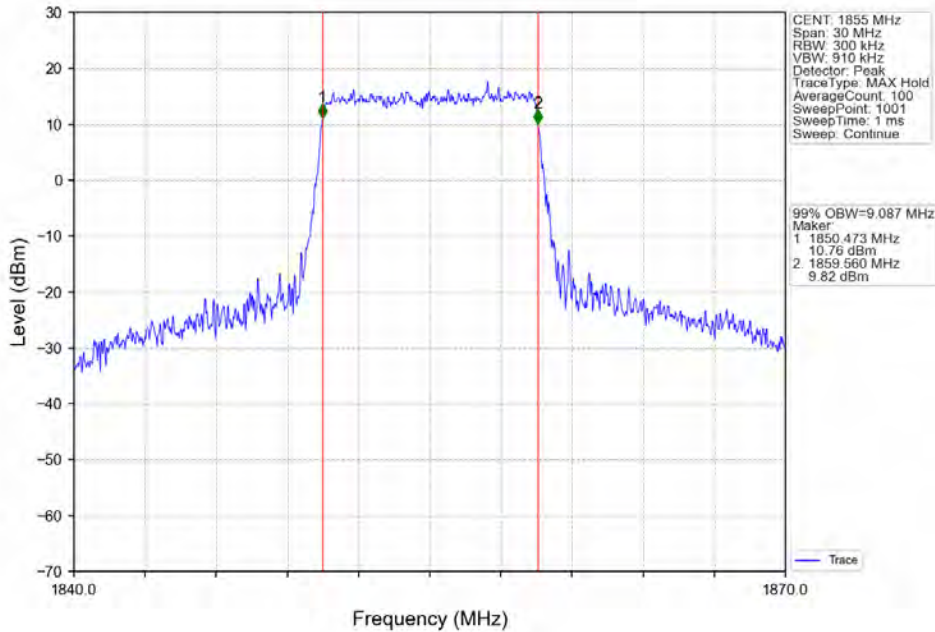
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Band2_10MHz_64QAM_LCH_1855MHz_RB_50_0_NTNV



Band2_10MHz_64QAM_MCH_1880MHz_RB_50_0_NTNV



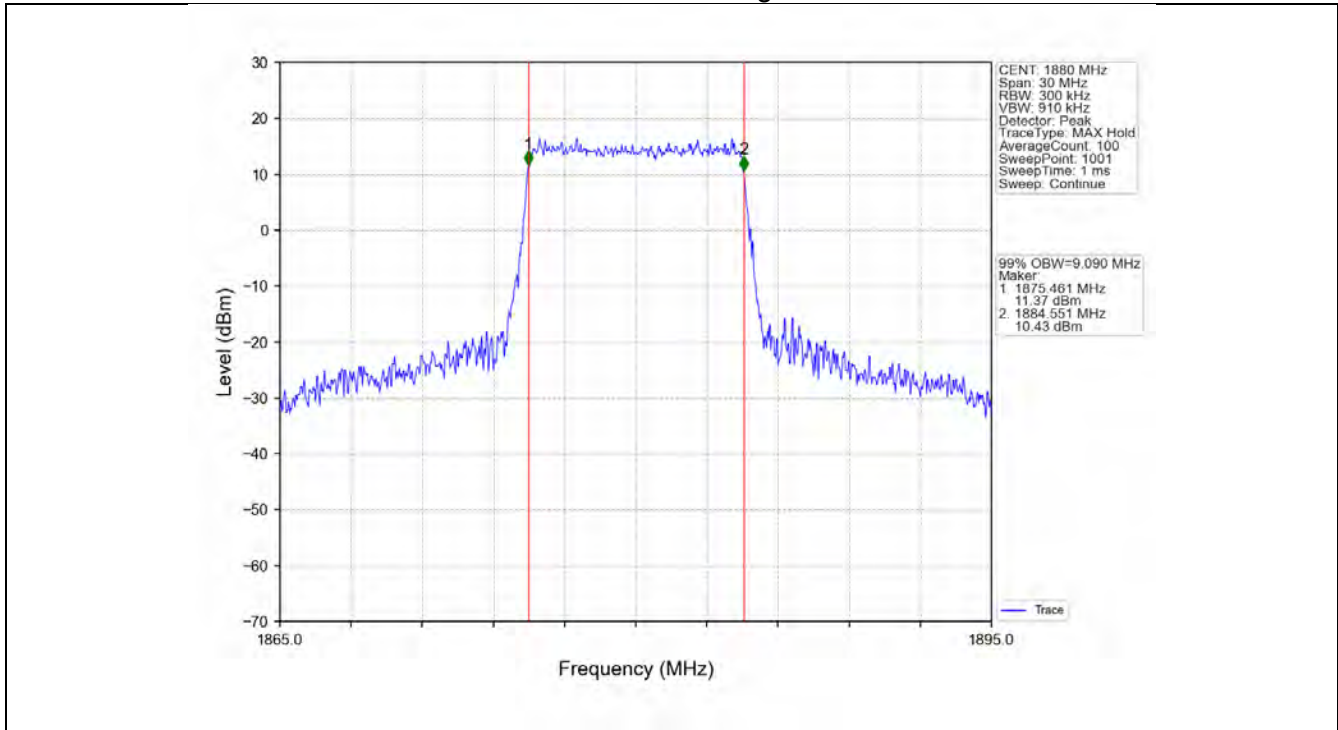
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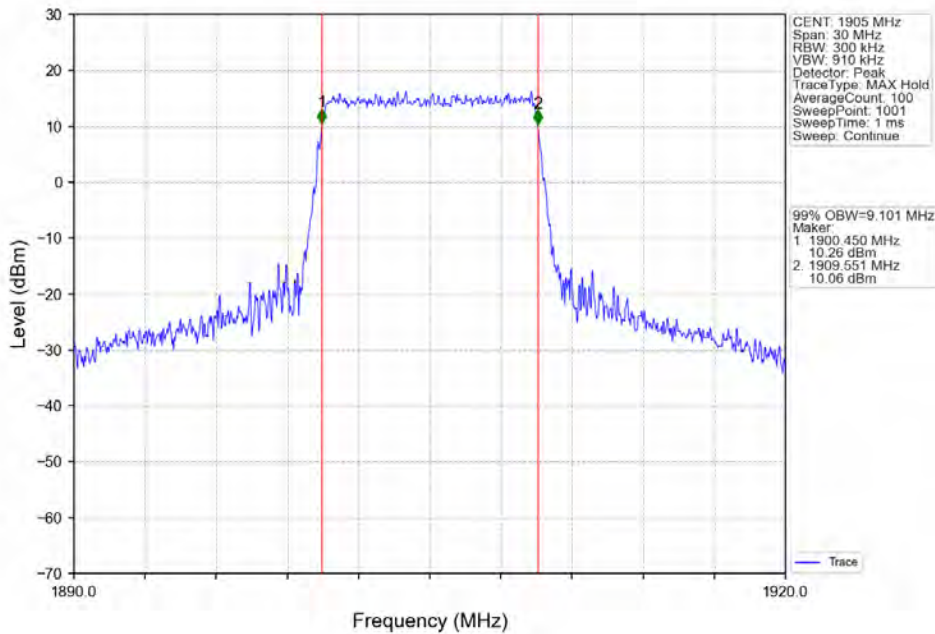


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Band2_10MHz_64QAM_HCH_1905MHz_RB_50_0_NTNV



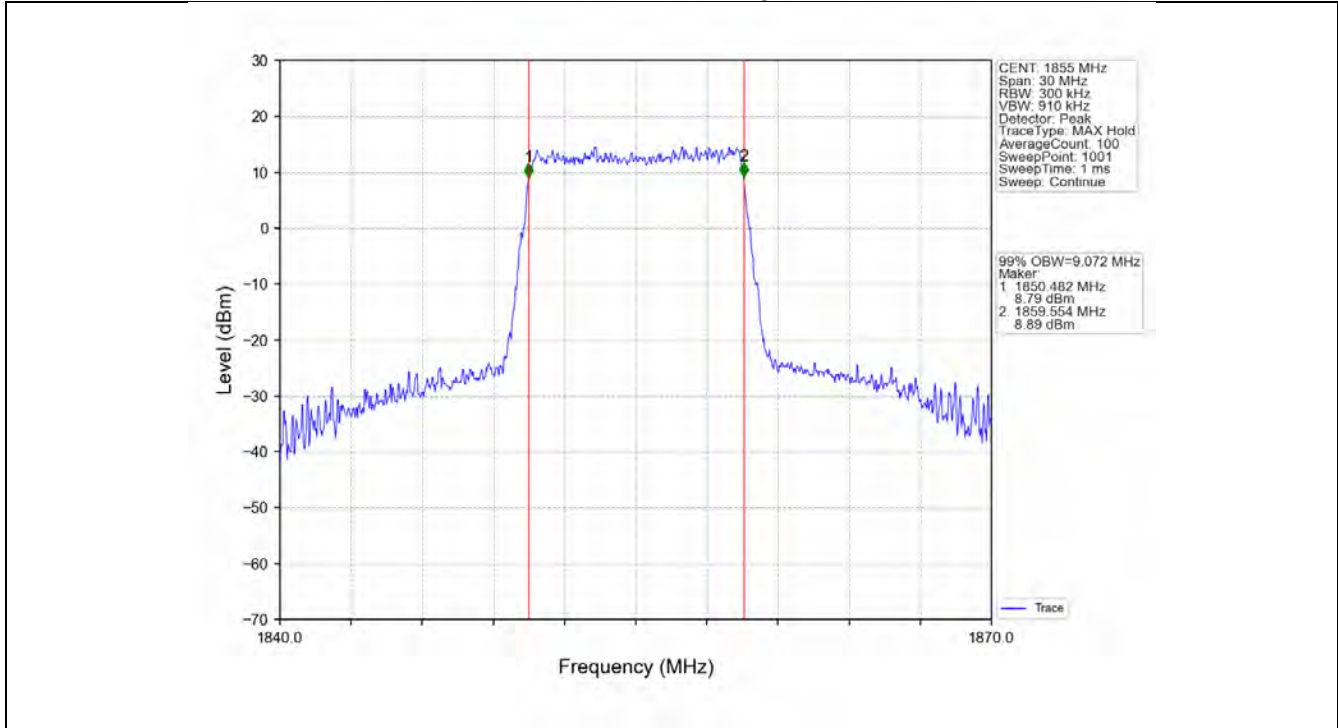
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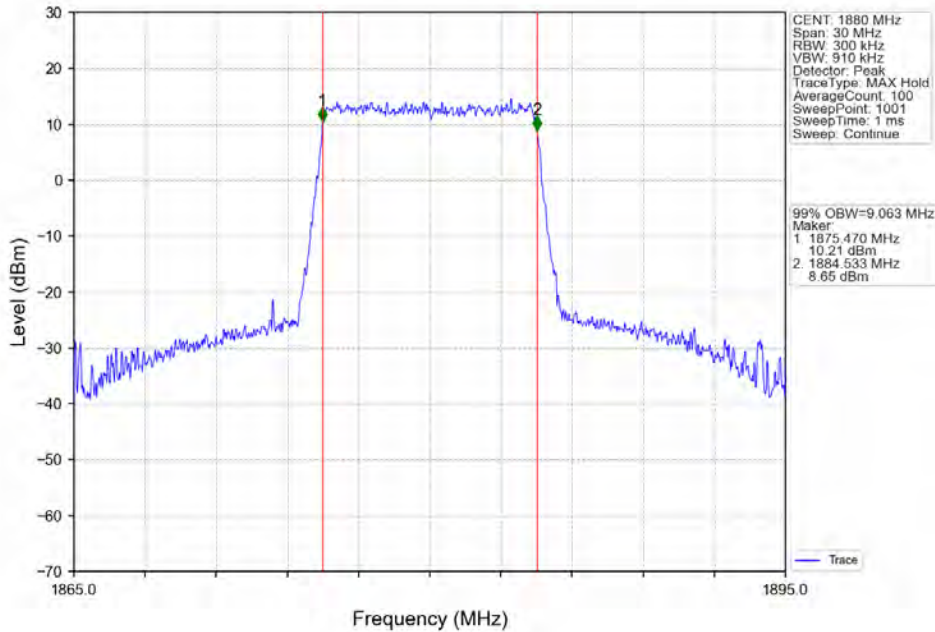
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Band2_10MHz_256QAM_MCH_1880MHz_RB_50_0_NTNV



Band2_10MHz_256QAM_HCH_1905MHz_RB_50_0_NTNV

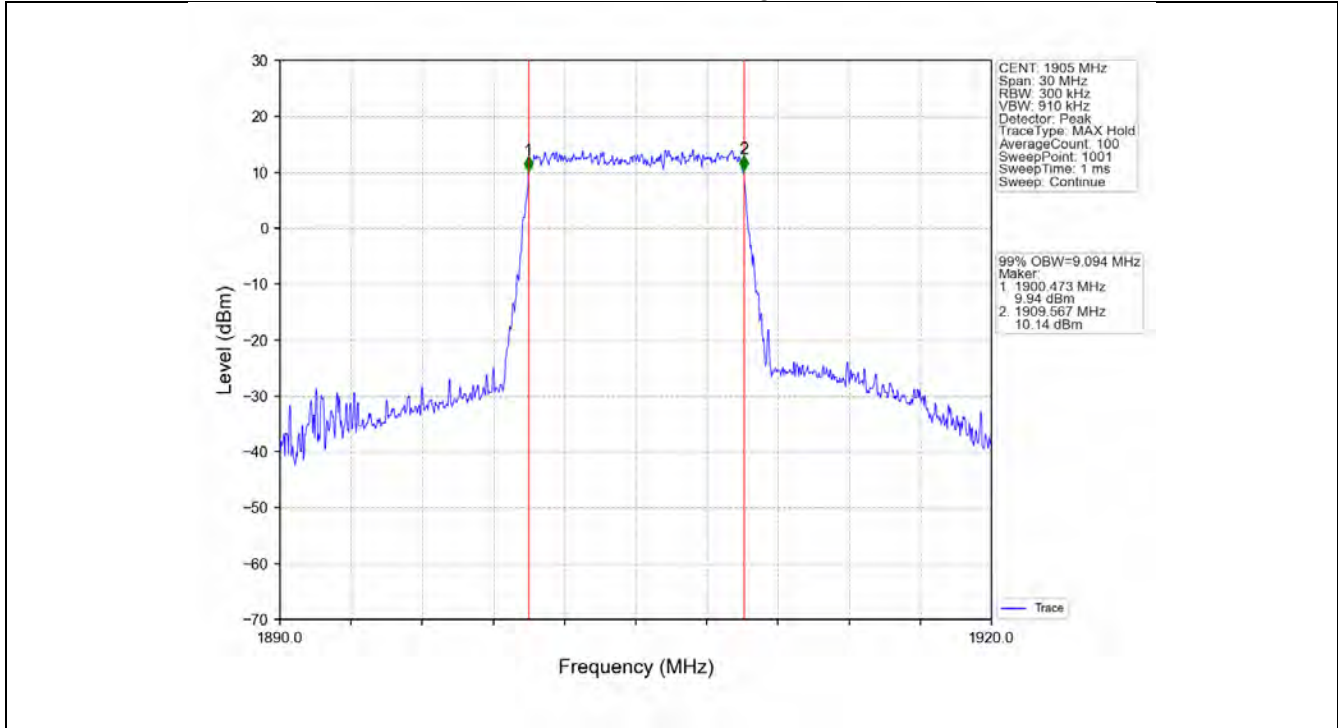


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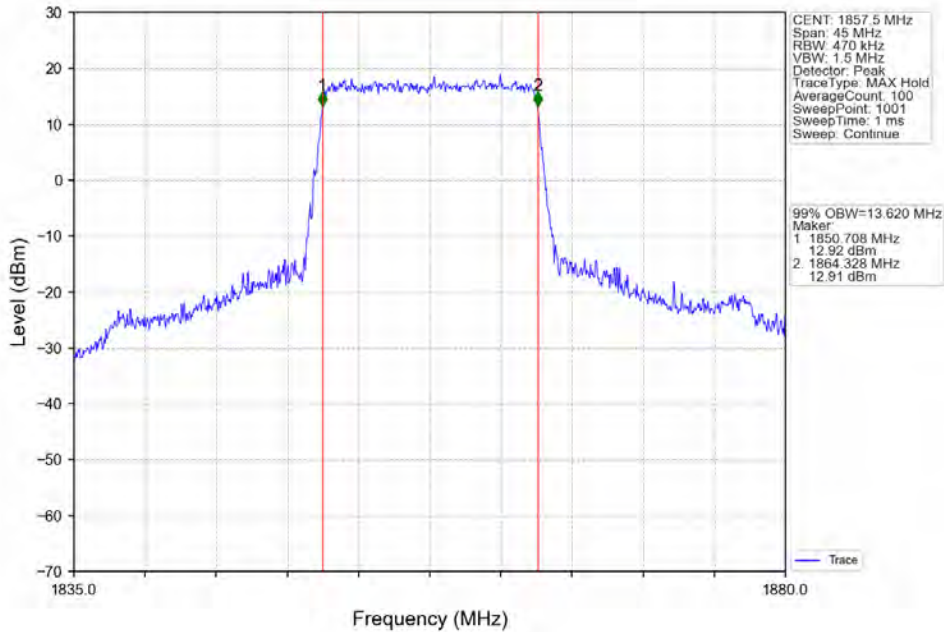
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Band2_15MHz_QPSK_MCH_1880MHz_RB_75_0_NTNV



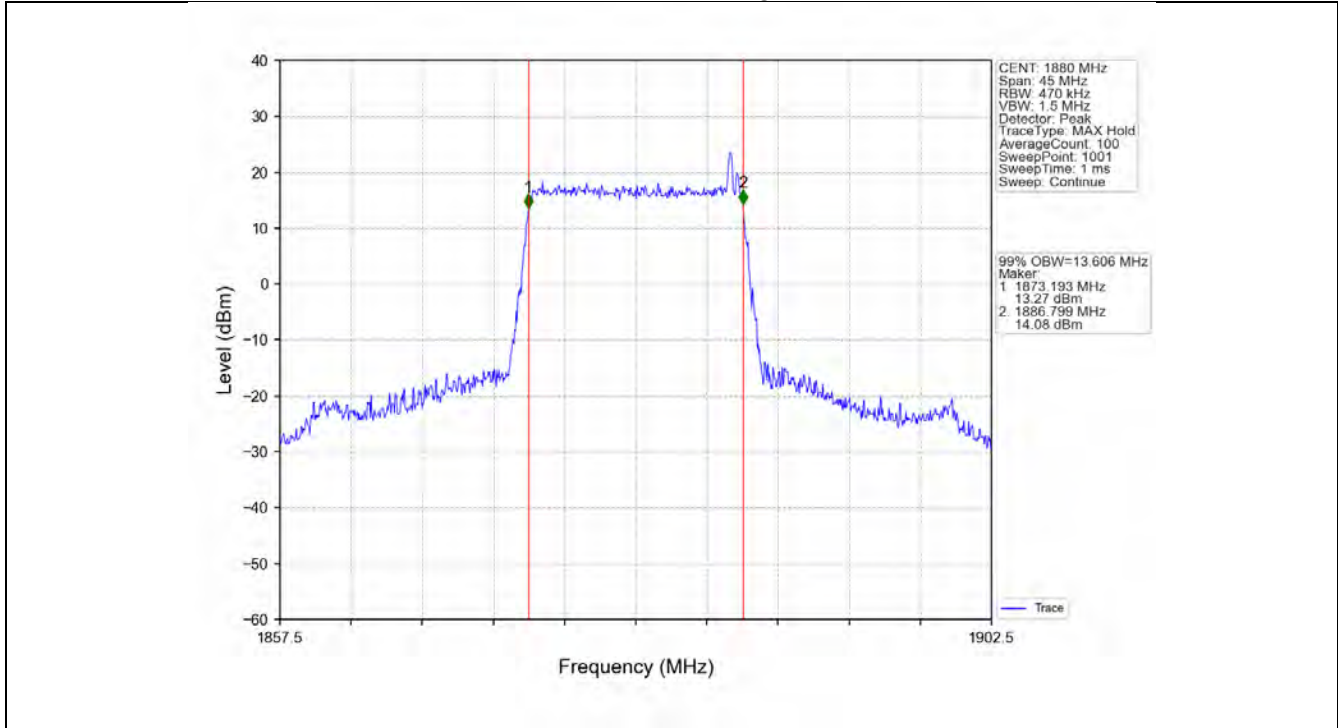
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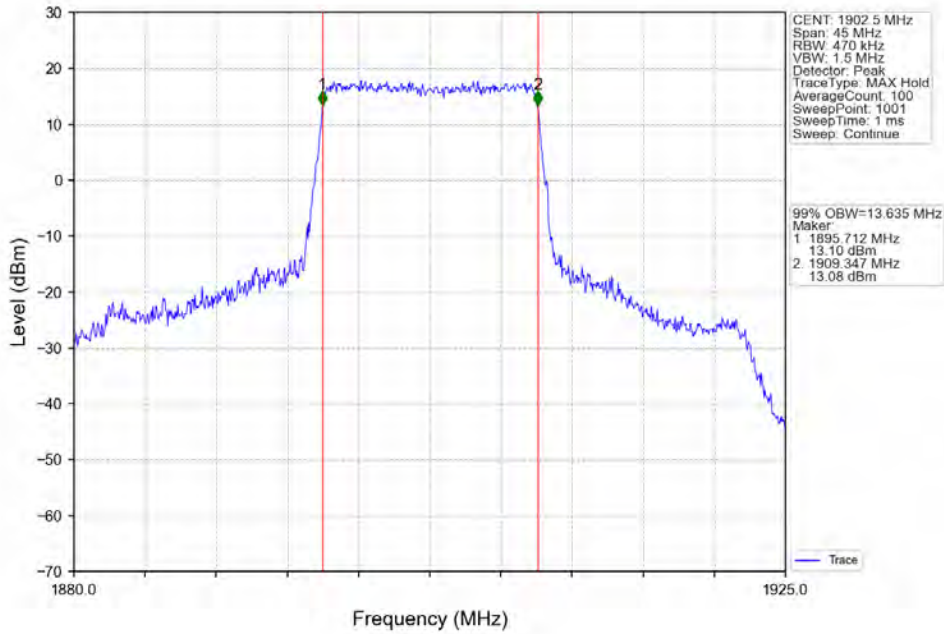


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Band2_15MHz_QPSK_HCH_1902.5MHz_RB_75_0_NTNV



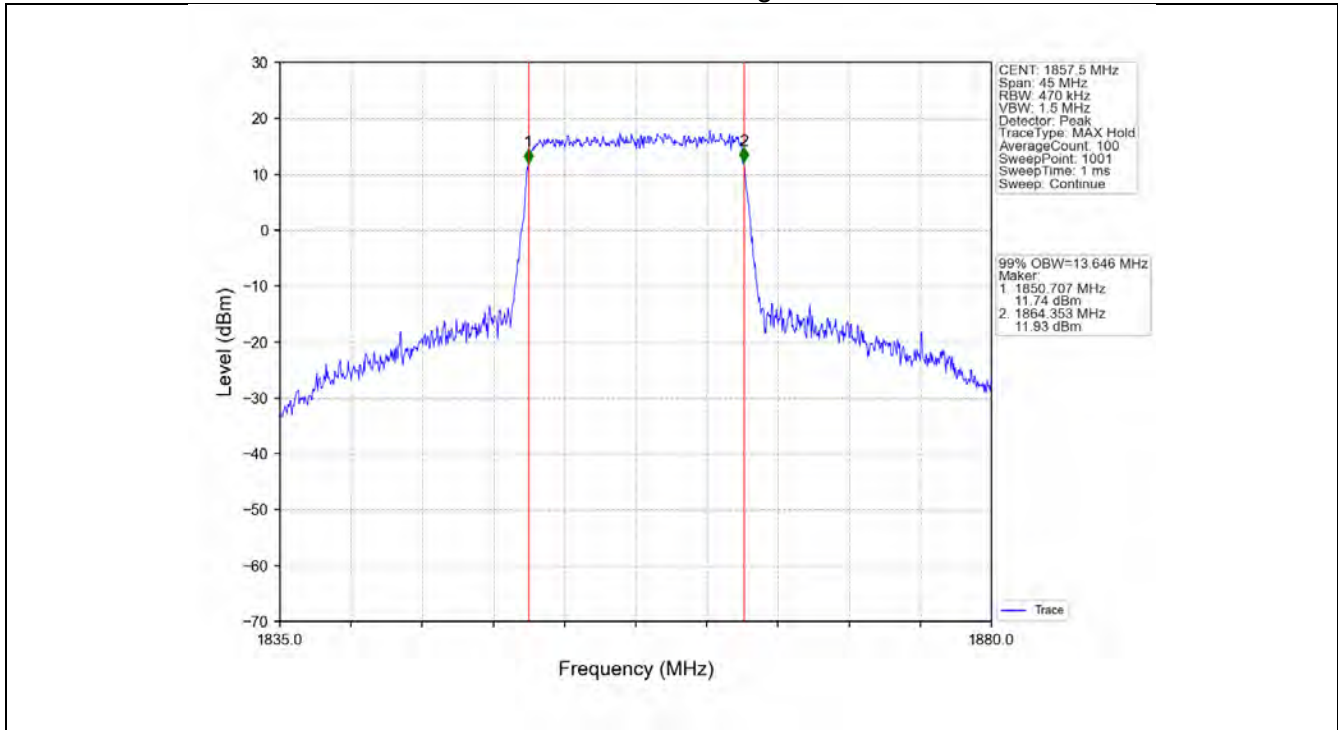
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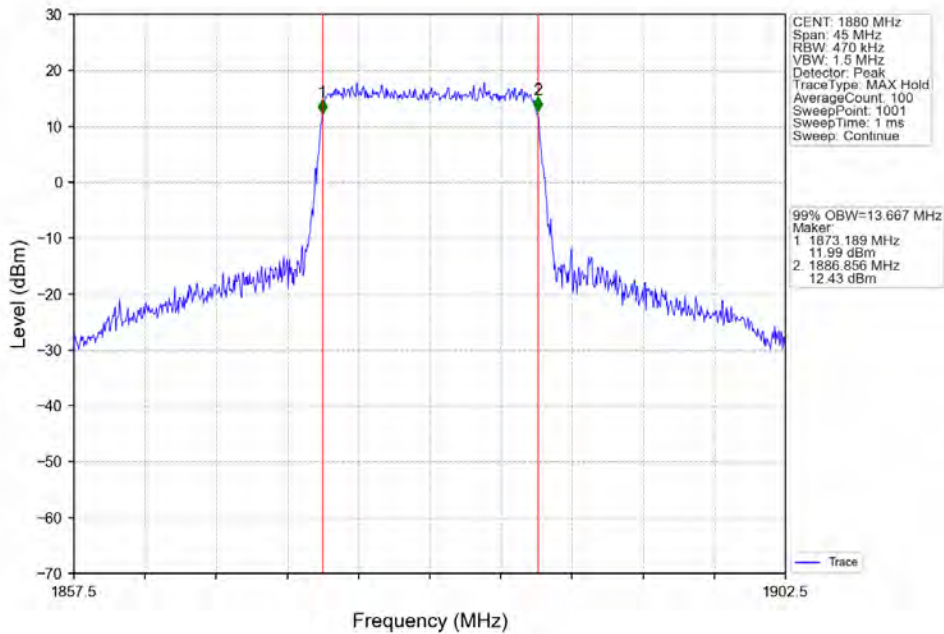


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Band2_15MHz_16QAM_MCH_1880MHz_RB_75_0_NTNV



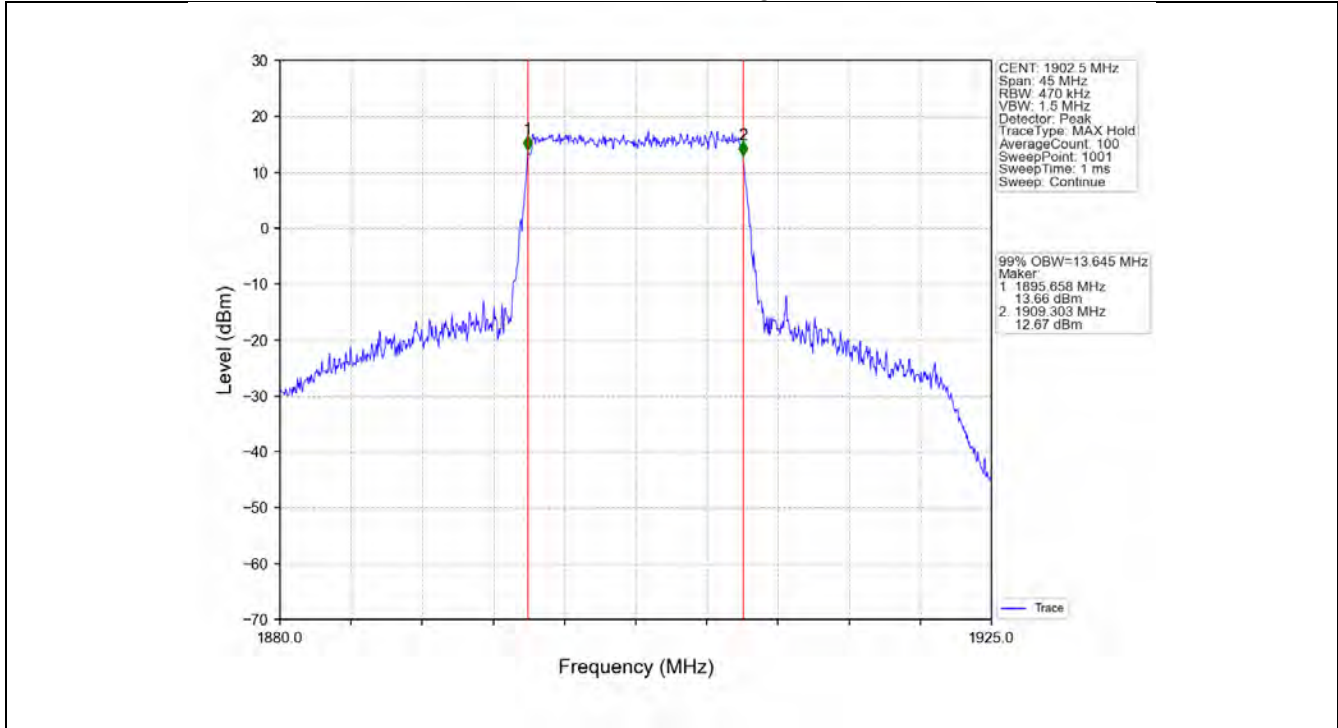
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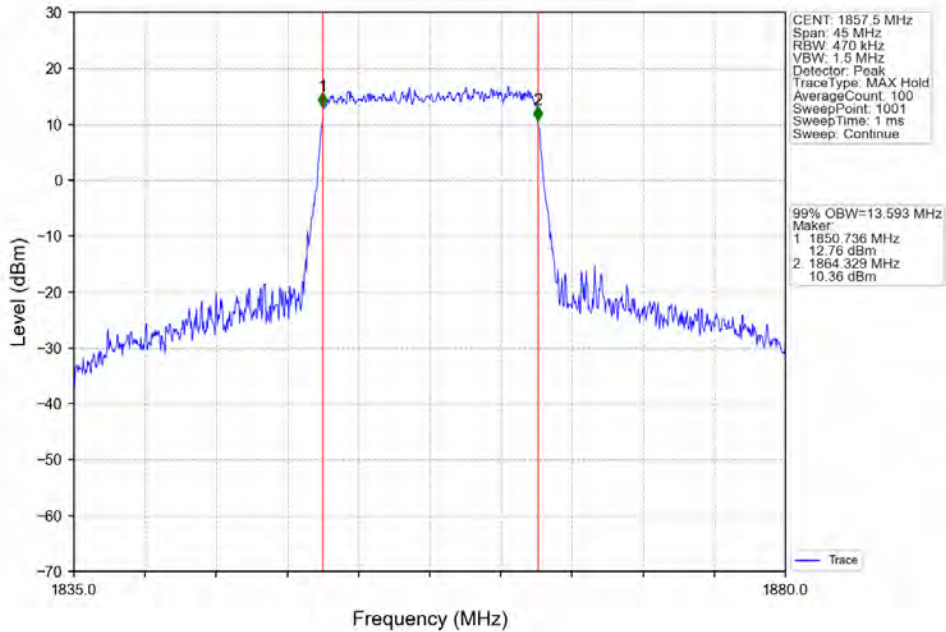


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Band2_15MHz_64QAM_LCH_1857.5MHz_RB_75_0_NTNV



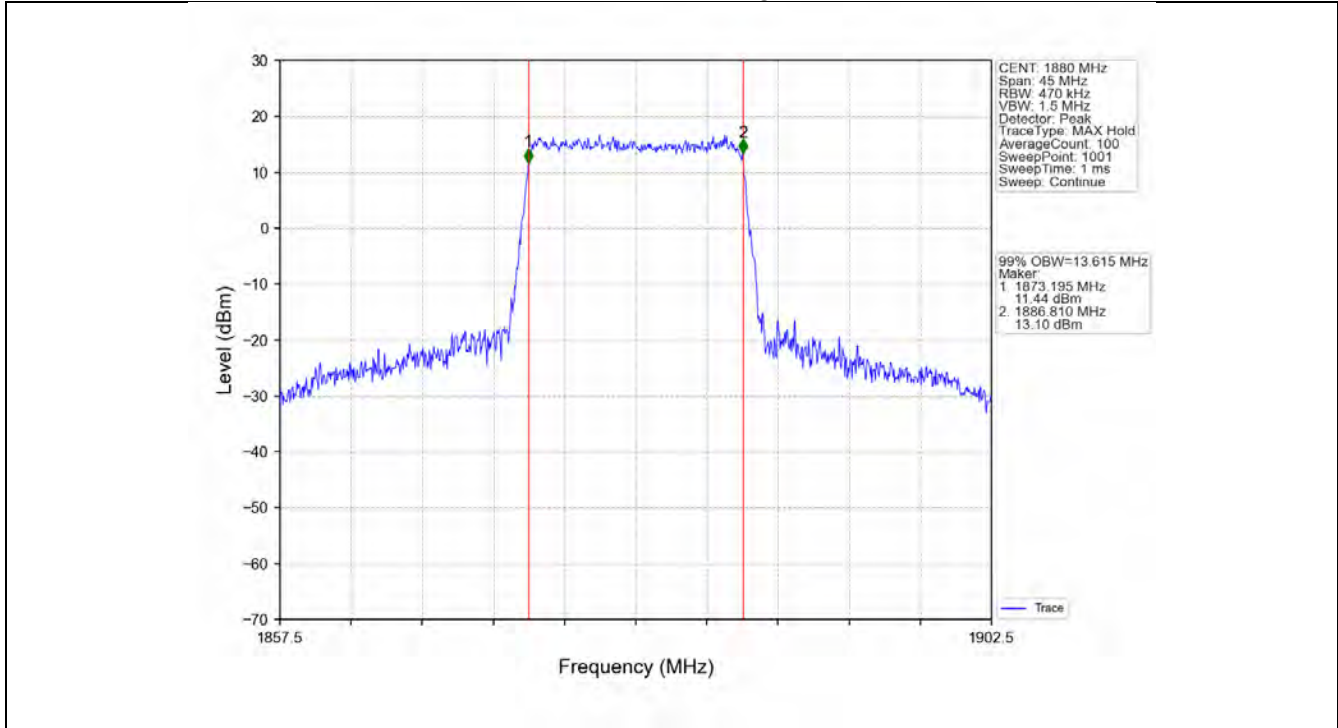
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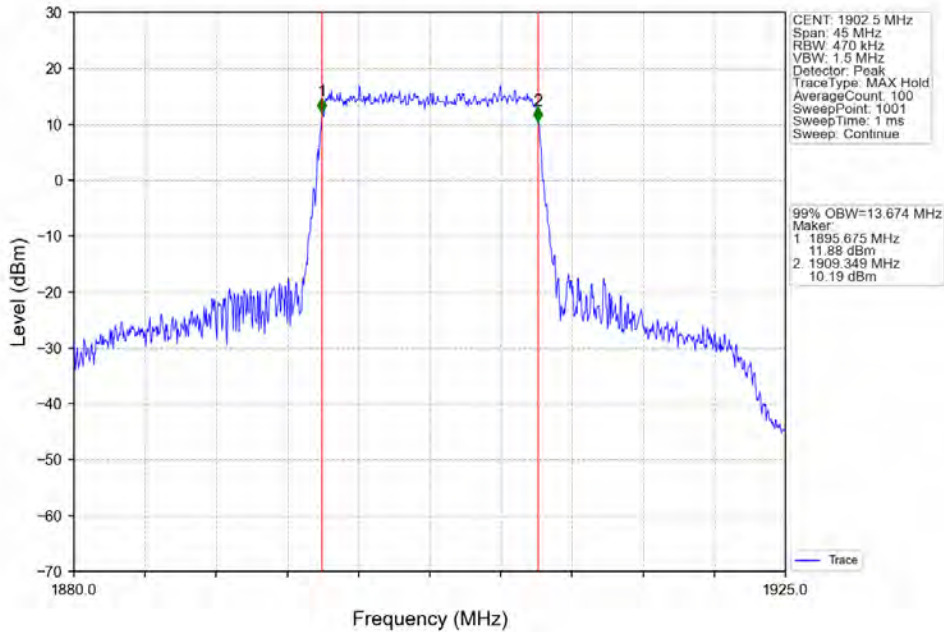


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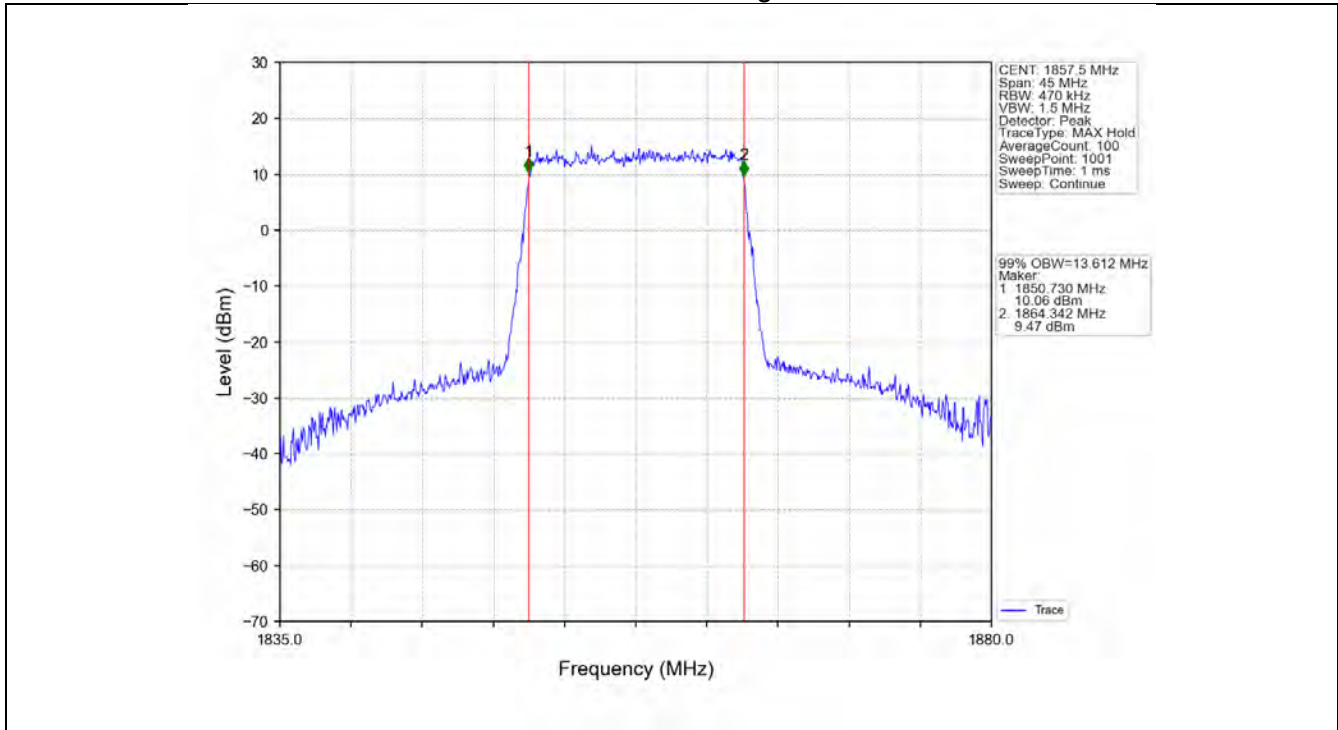
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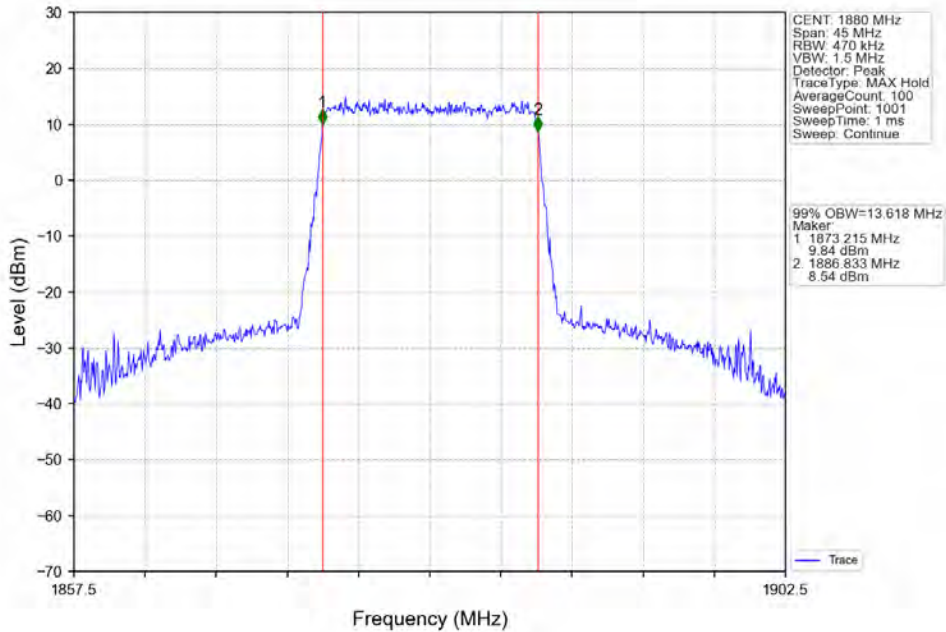


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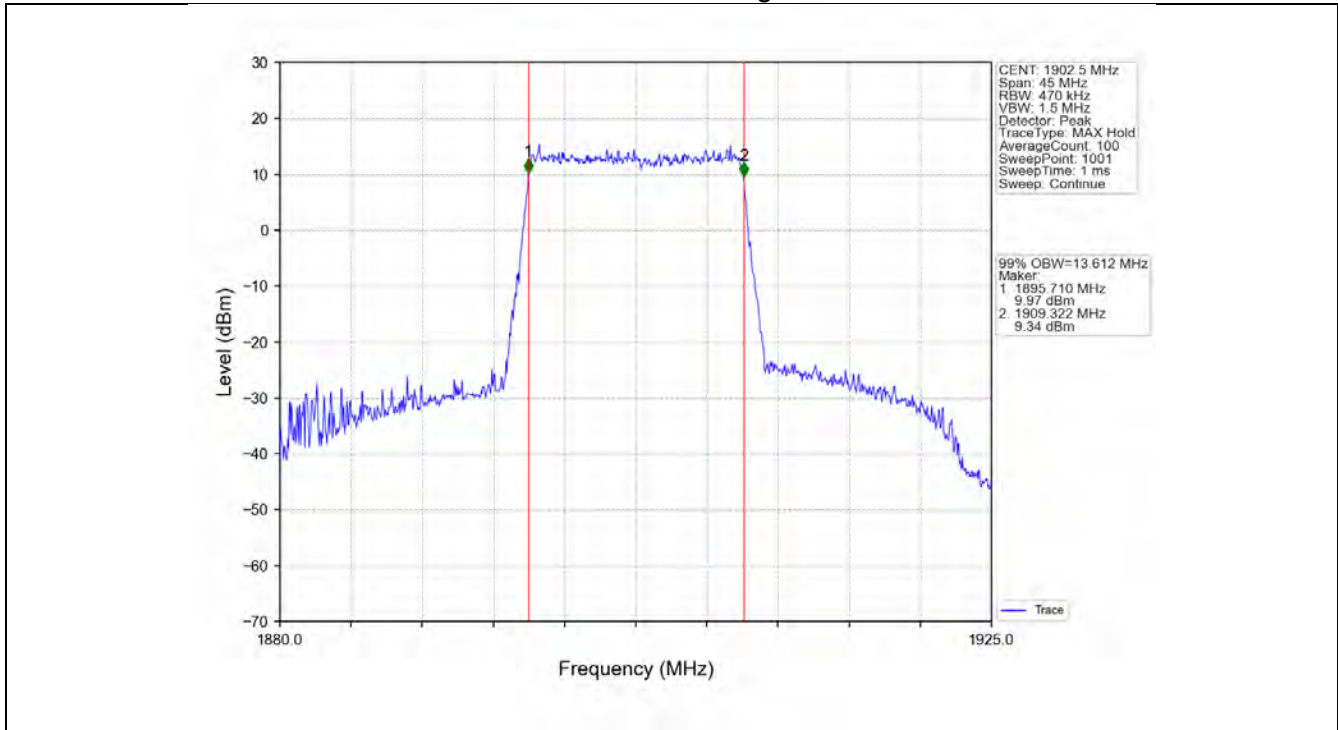


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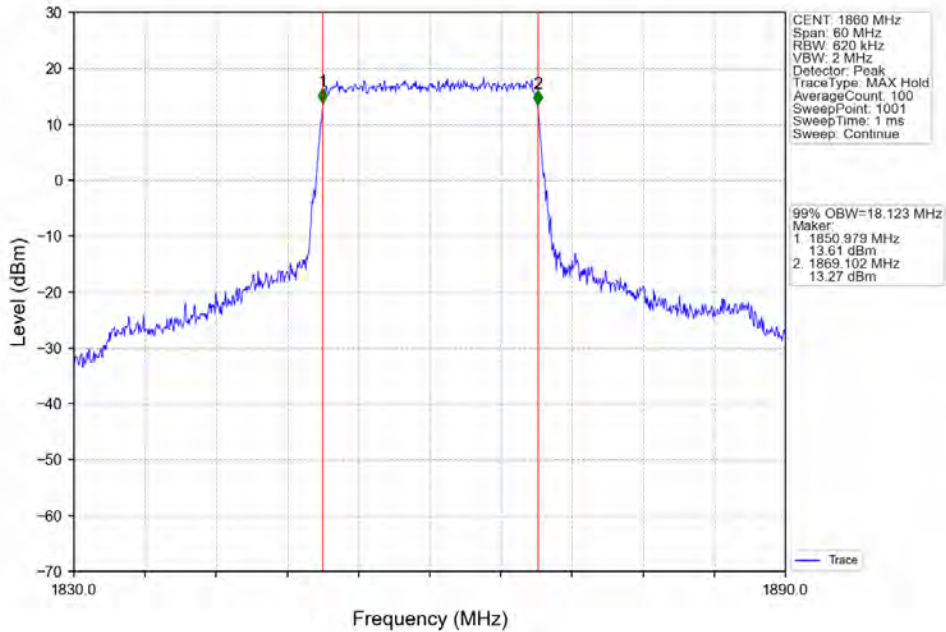
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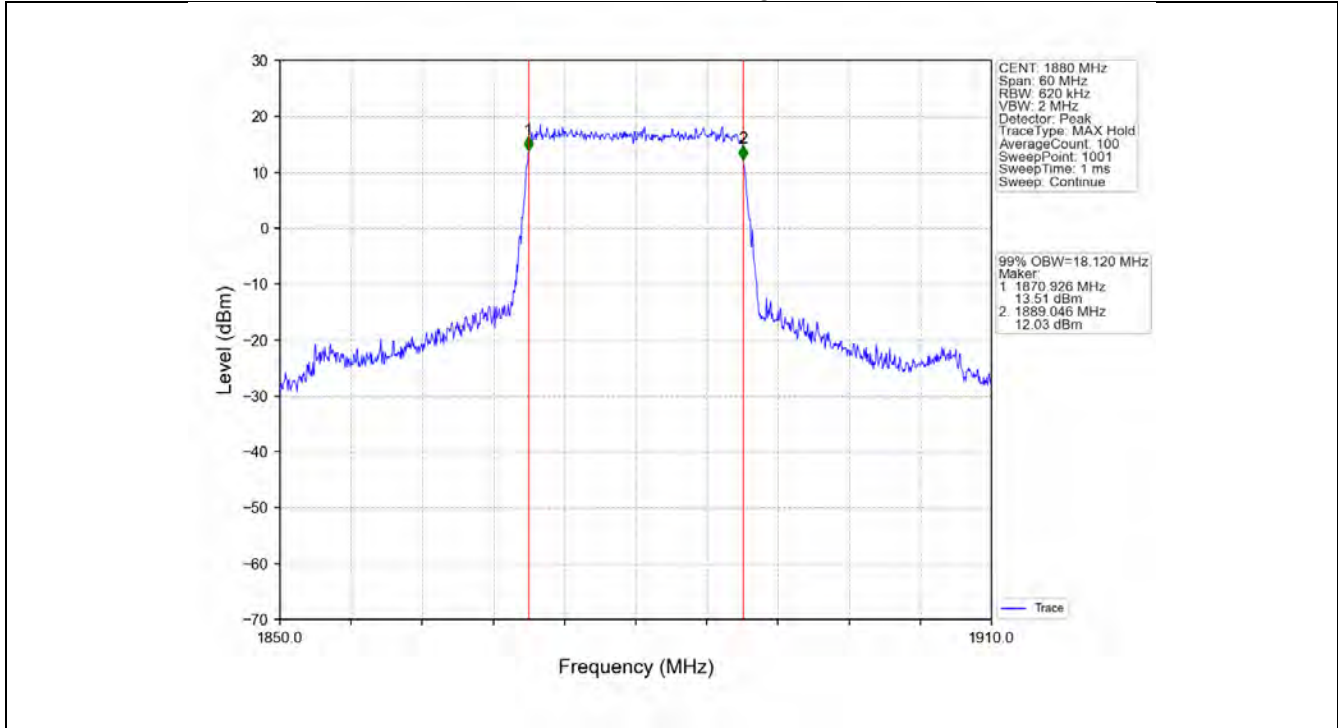
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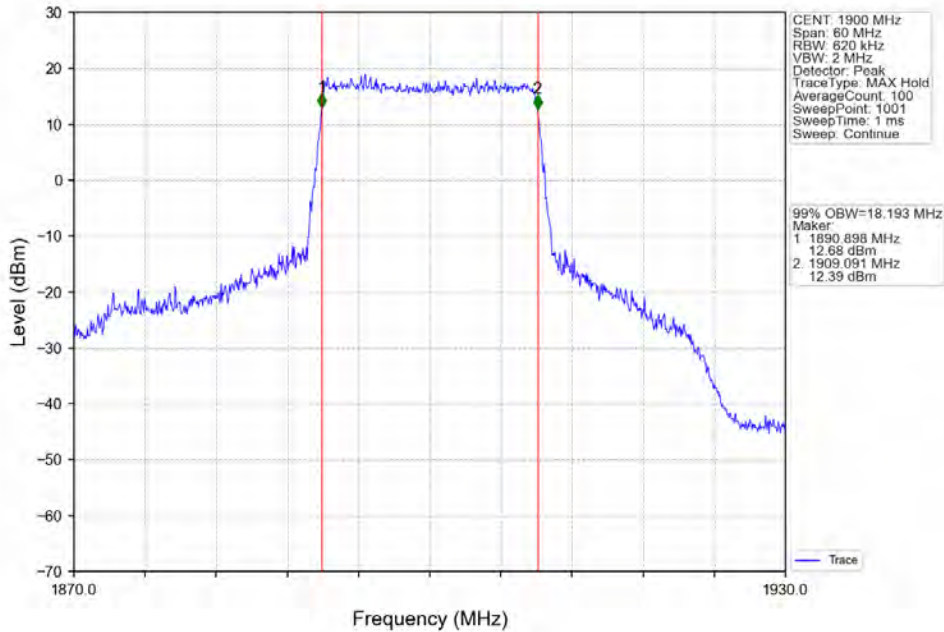


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Band2_20MHz_QPSK_HCH_1900MHz_RB_100_0_NTNV



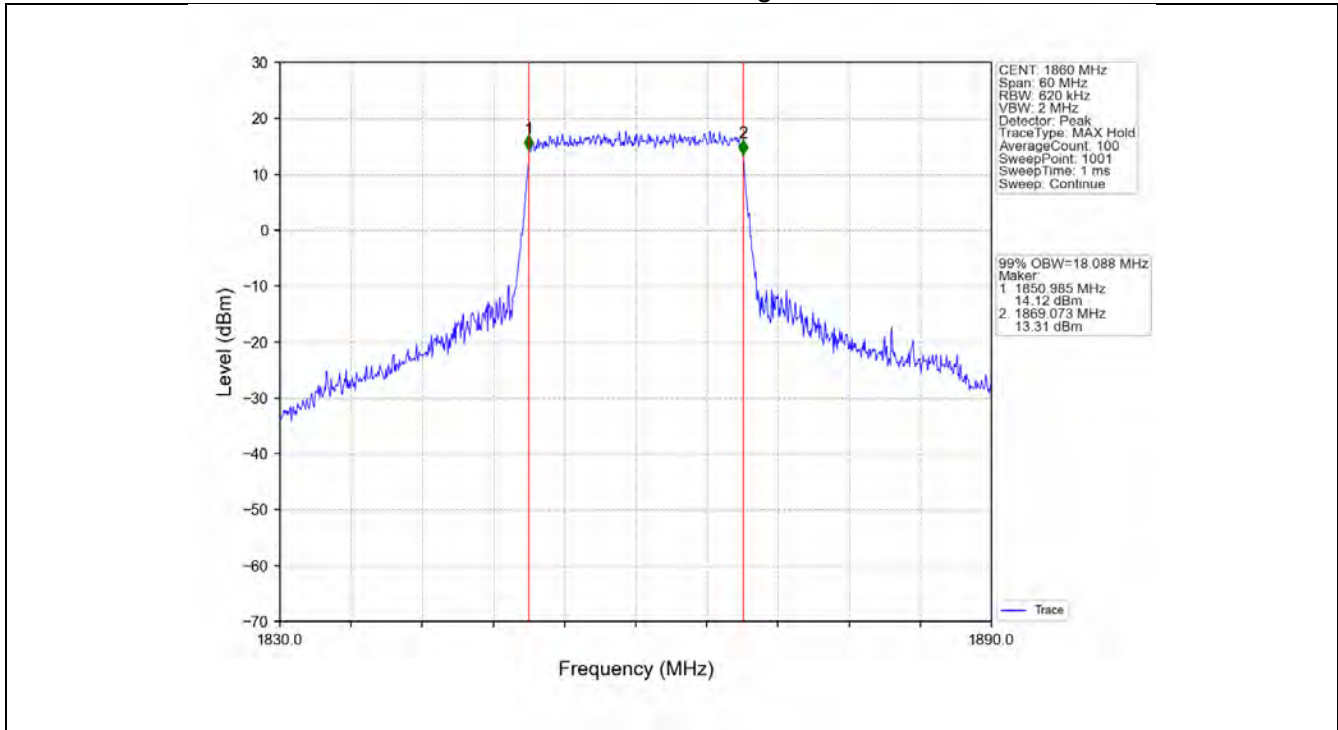
Band2_20MHz_16QAM_LCH_1860MHz_RB_100_0_NTNV



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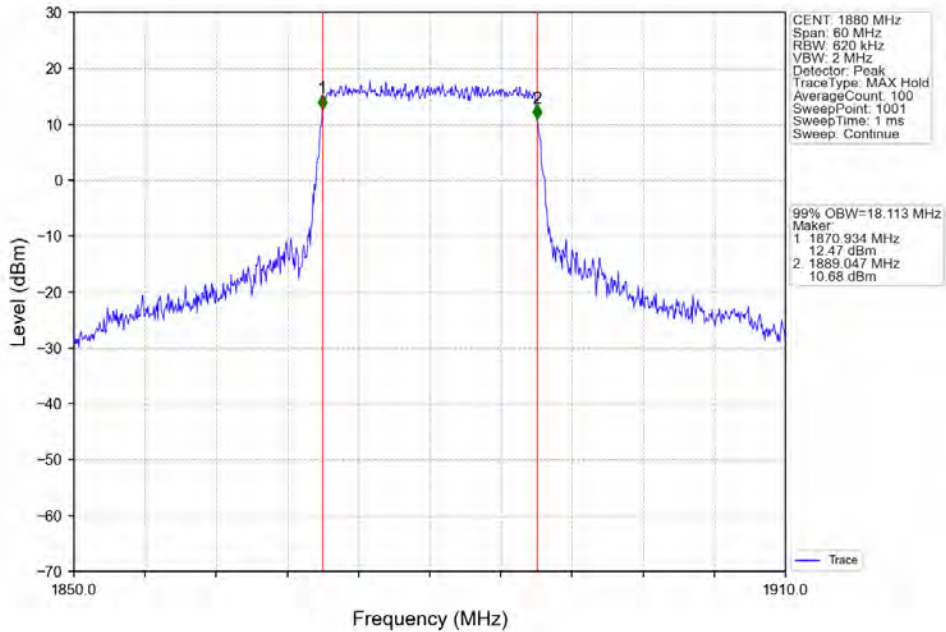
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Band2 20MHz 16QAM MCH 1880MHz RB 100 0 NTN



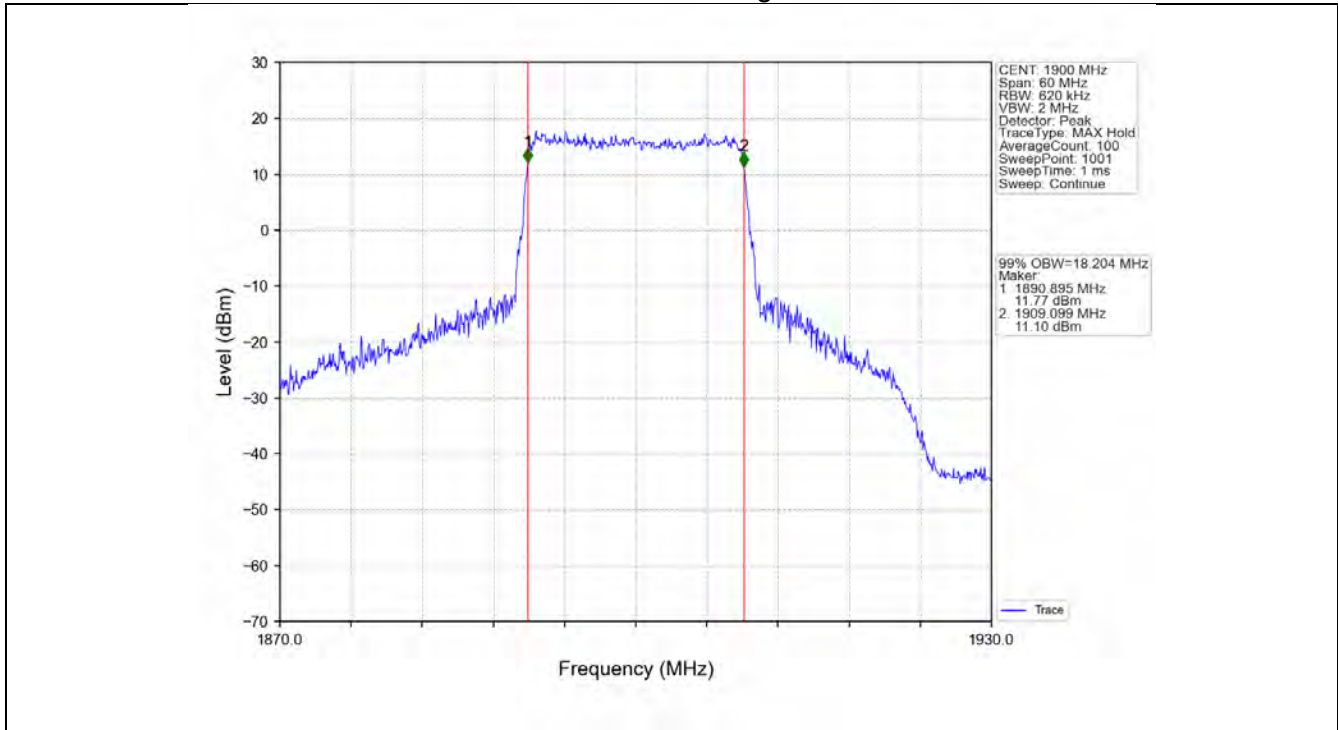
Band2 20MHz 16QAM HCH 1900MHz RB 100 0 NTN



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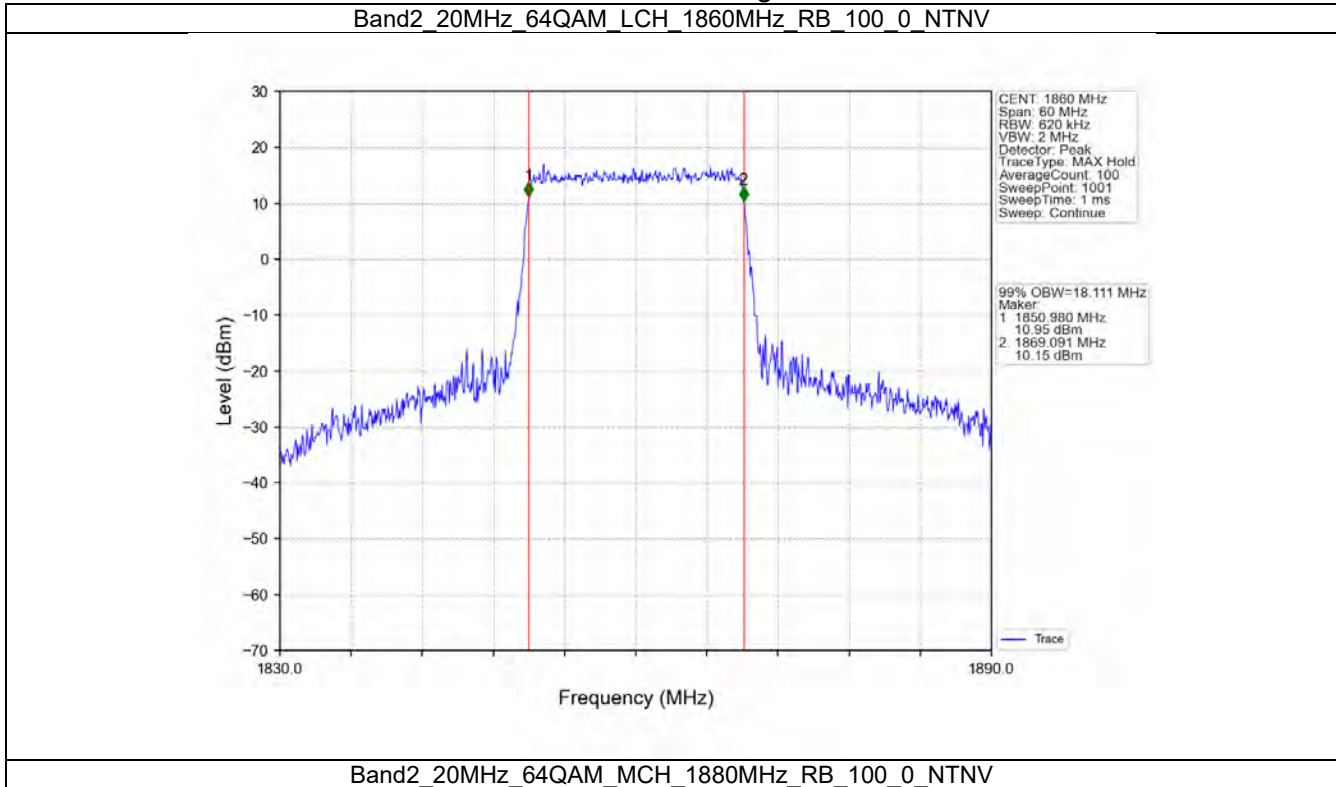


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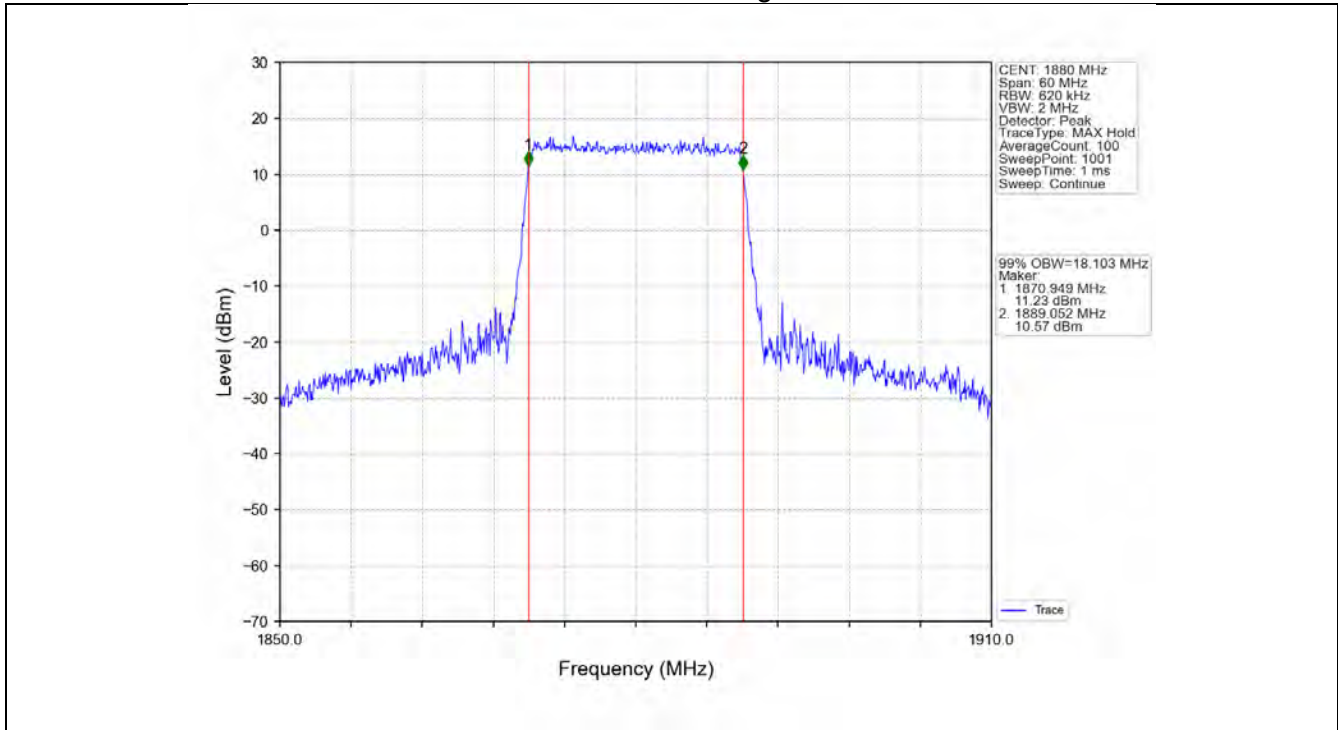
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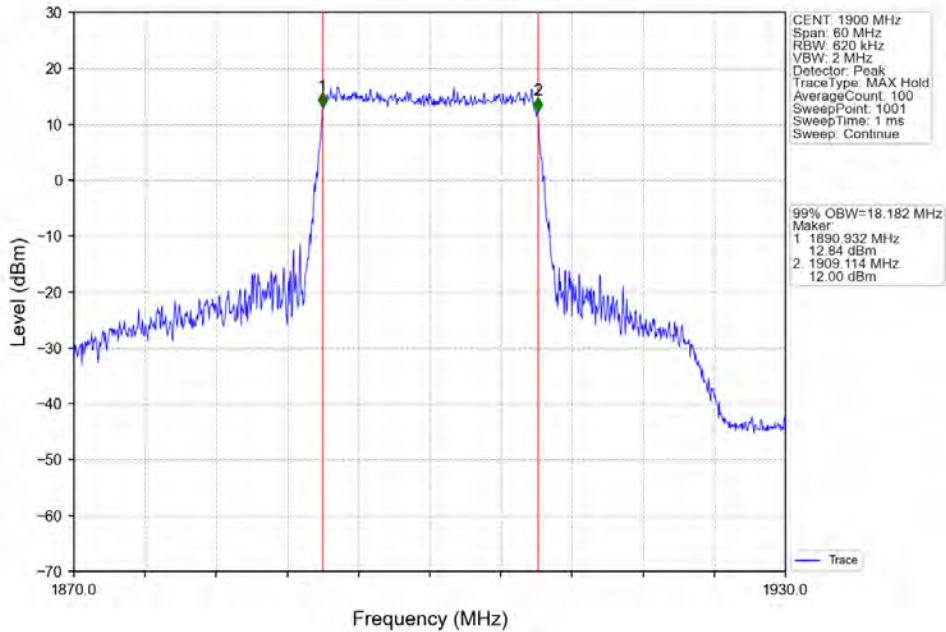


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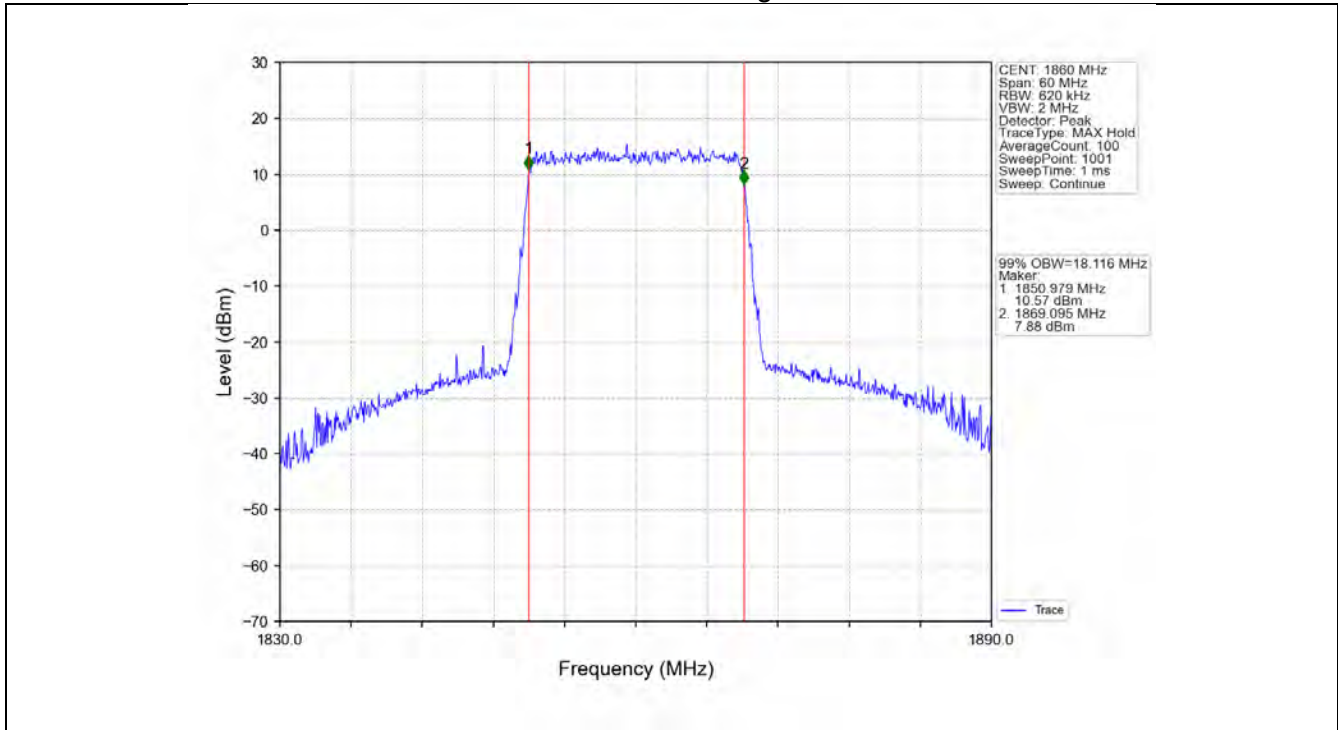
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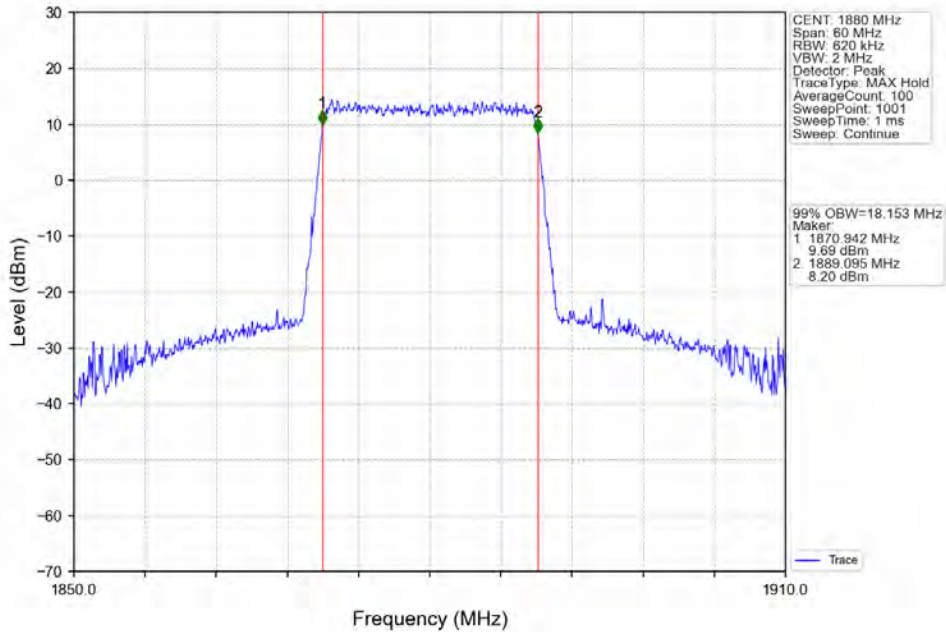


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Band2_20MHz_256QAM_MCH_1880MHz_RB_100_0_NTNV



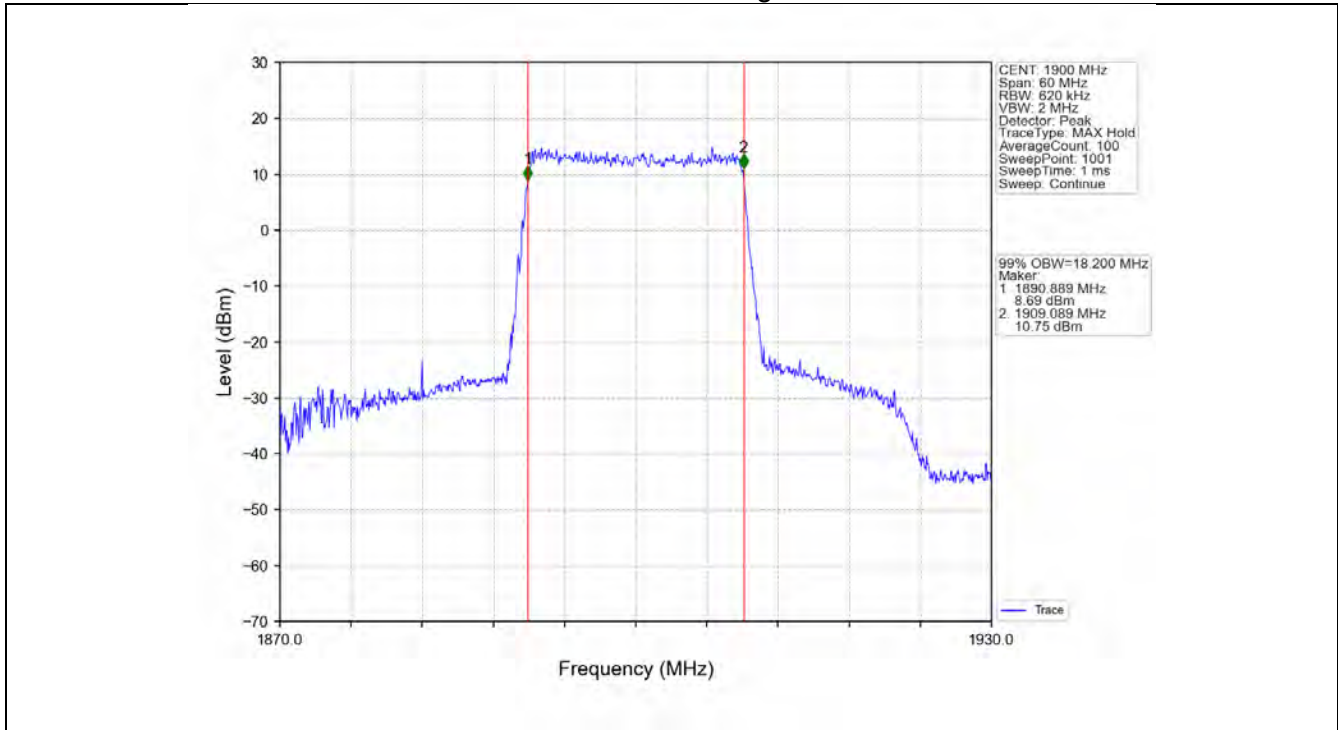
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4.2 Band2_XDB

4.2.1 Test Result

Band: 2 / NTN							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	1850.7	6	0	1.430	/	Pass
		1880	6	0	1.378	/	Pass
		1909.3	6	0	1.398	/	Pass
	16QAM	1850.7	6	0	1.384	/	Pass
		1880	6	0	1.417	/	Pass
		1909.3	6	0	1.416	/	Pass
	64QAM	1850.7	6	0	1.389	/	Pass
		1880	6	0	1.386	/	Pass
		1909.3	6	0	1.374	/	Pass
	256QAM	1850.7	6	0	1.396	/	Pass
		1880	6	0	1.371	/	Pass
		1909.3	6	0	1.386	/	Pass
3	QPSK	1851.5	15	0	3.125	/	Pass
		1880	15	0	3.117	/	Pass
		1908.5	15	0	3.129	/	Pass
	16QAM	1851.5	15	0	3.162	/	Pass
		1880	15	0	3.118	/	Pass
		1908.5	15	0	3.112	/	Pass
	64QAM	1851.5	15	0	3.152	/	Pass
		1880	15	0	3.131	/	Pass
		1908.5	15	0	3.137	/	Pass
	256QAM	1851.5	15	0	3.163	/	Pass
		1880	15	0	3.109	/	Pass
		1908.5	15	0	3.088	/	Pass
5	QPSK	1852.5	25	0	5.250	/	Pass
		1880	25	0	5.248	/	Pass
		1907.5	25	0	5.305	/	Pass
	16QAM	1852.5	25	0	5.246	/	Pass
		1880	25	0	5.282	/	Pass
		1907.5	25	0	5.211	/	Pass
	64QAM	1852.5	25	0	5.279	/	Pass
		1880	25	0	5.307	/	Pass
		1907.5	25	0	5.204	/	Pass
	256QAM	1852.5	25	0	5.162	/	Pass
		1880	25	0	5.235	/	Pass
		1907.5	25	0	5.256	/	Pass
10	QPSK	1855	50	0	10.121	/	Pass
		1880	50	0	10.245	/	Pass
		1905	50	0	10.263	/	Pass



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	16QAM	1855	50	0	10.241	/	Pass
		1880	50	0	10.193	/	Pass
		1905	50	0	10.197	/	Pass
	64QAM	1855	50	0	10.122	/	Pass
		1880	50	0	10.136	/	Pass
		1905	50	0	10.235	/	Pass
	256QAM	1855	50	0	10.257	/	Pass
		1880	50	0	10.123	/	Pass
		1905	50	0	10.220	/	Pass
15	QPSK	1857.5	75	0	15.248	/	Pass
		1880	75	0	14.890	/	Pass
		1902.5	75	0	15.205	/	Pass
	16QAM	1857.5	75	0	15.158	/	Pass
		1880	75	0	15.232	/	Pass
		1902.5	75	0	15.179	/	Pass
	64QAM	1857.5	75	0	15.327	/	Pass
		1880	75	0	15.191	/	Pass
		1902.5	75	0	15.132	/	Pass
	256QAM	1857.5	75	0	15.177	/	Pass
		1880	75	0	15.230	/	Pass
		1902.5	75	0	15.115	/	Pass
20	QPSK	1860	100	0	20.232	/	Pass
		1880	100	0	20.116	/	Pass
		1900	100	0	20.201	/	Pass
	16QAM	1860	100	0	20.175	/	Pass
		1880	100	0	19.920	/	Pass
		1900	100	0	20.173	/	Pass
	64QAM	1860	100	0	20.019	/	Pass
		1880	100	0	20.147	/	Pass
		1900	100	0	20.116	/	Pass
	256QAM	1860	100	0	19.861	/	Pass
		1880	100	0	20.075	/	Pass
		1900	100	0	20.089	/	Pass



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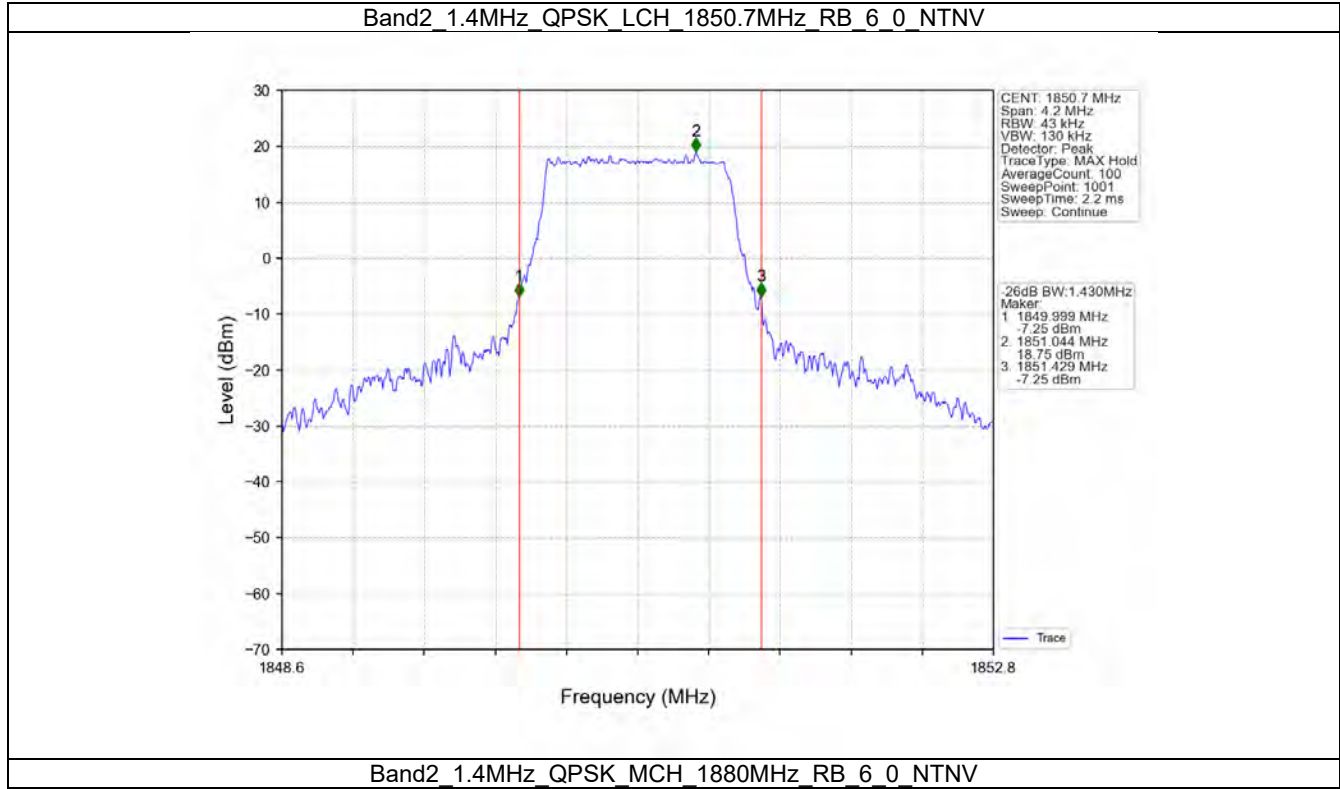
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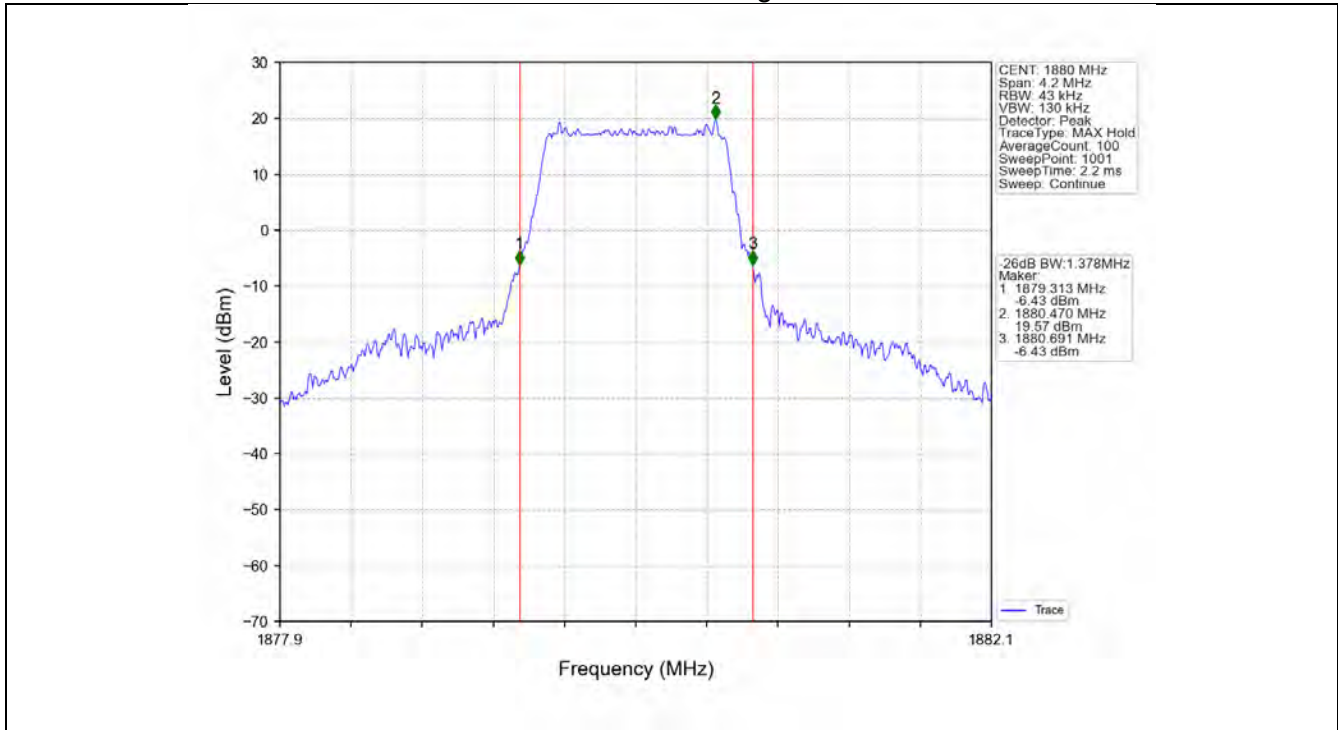
4.2.2 Test Graph



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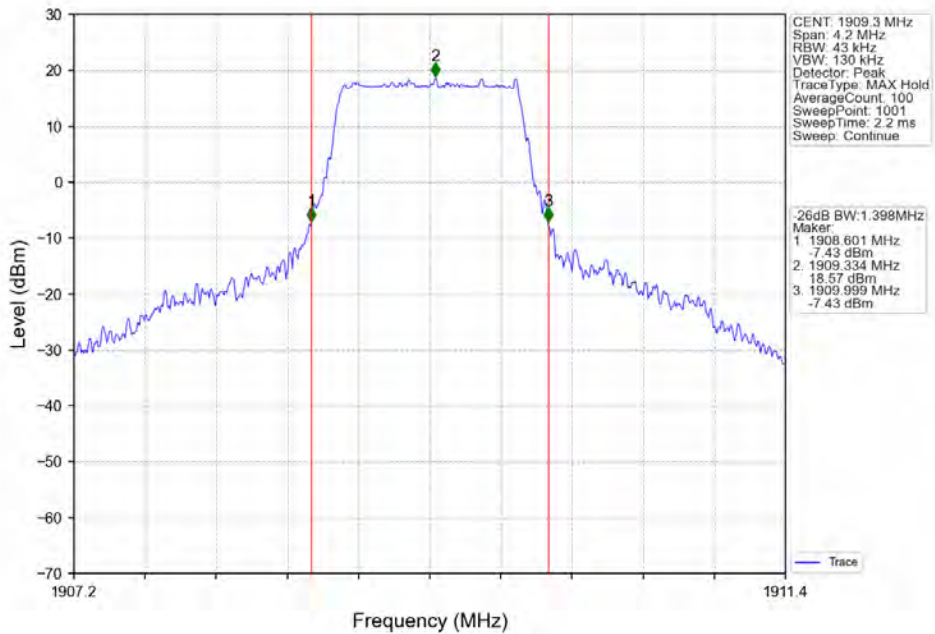
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Band2_1.4MHz_QPSK_HCH_1909.3MHz_RB_6_0_NTNV



Band2_1.4MHz_16QAM_LCH_1850.7MHz_RB_6_0_NTNV



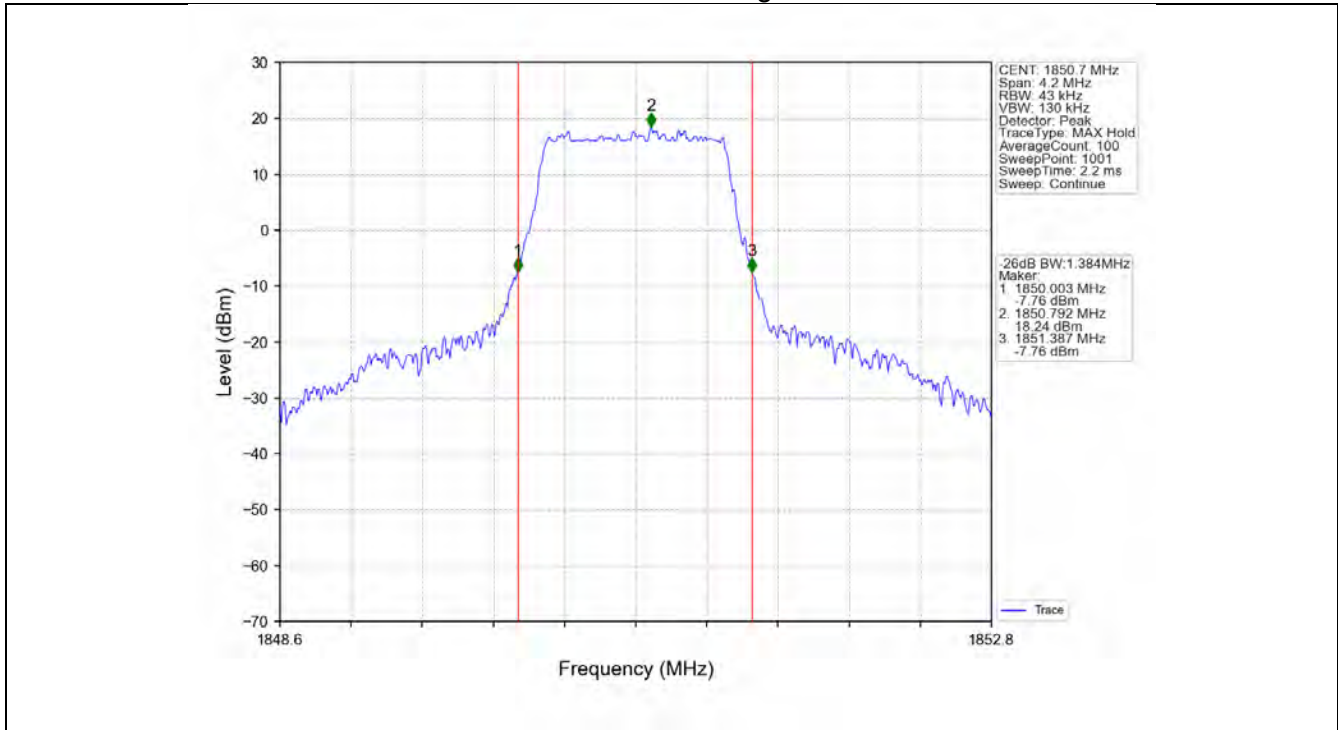
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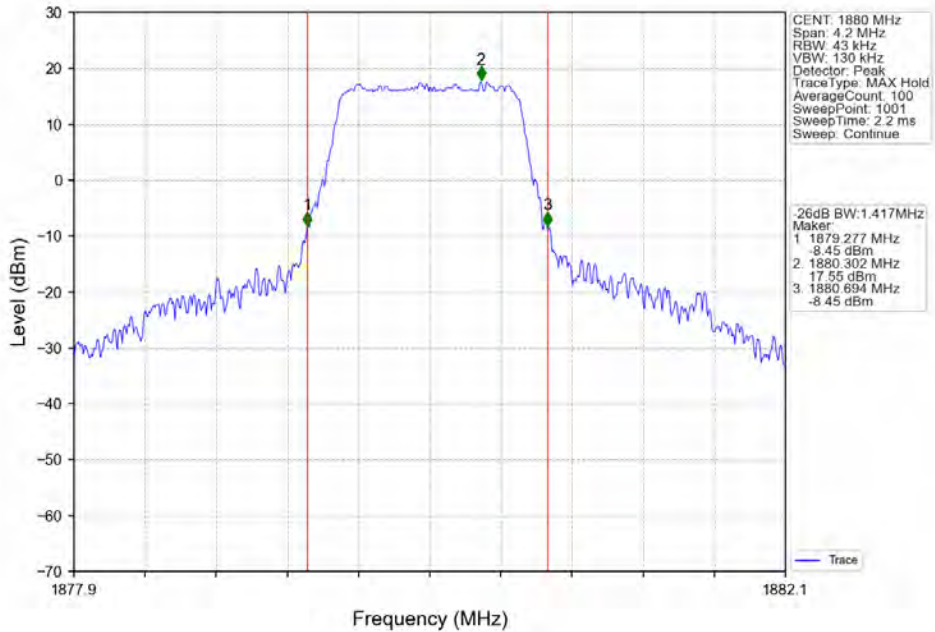


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Band2_1.4MHz_16QAM_MCH_1880MHz_RB_6_0_NTNV



Band2_1.4MHz_16QAM_HCH_1909.3MHz_RB_6_0_NTNV



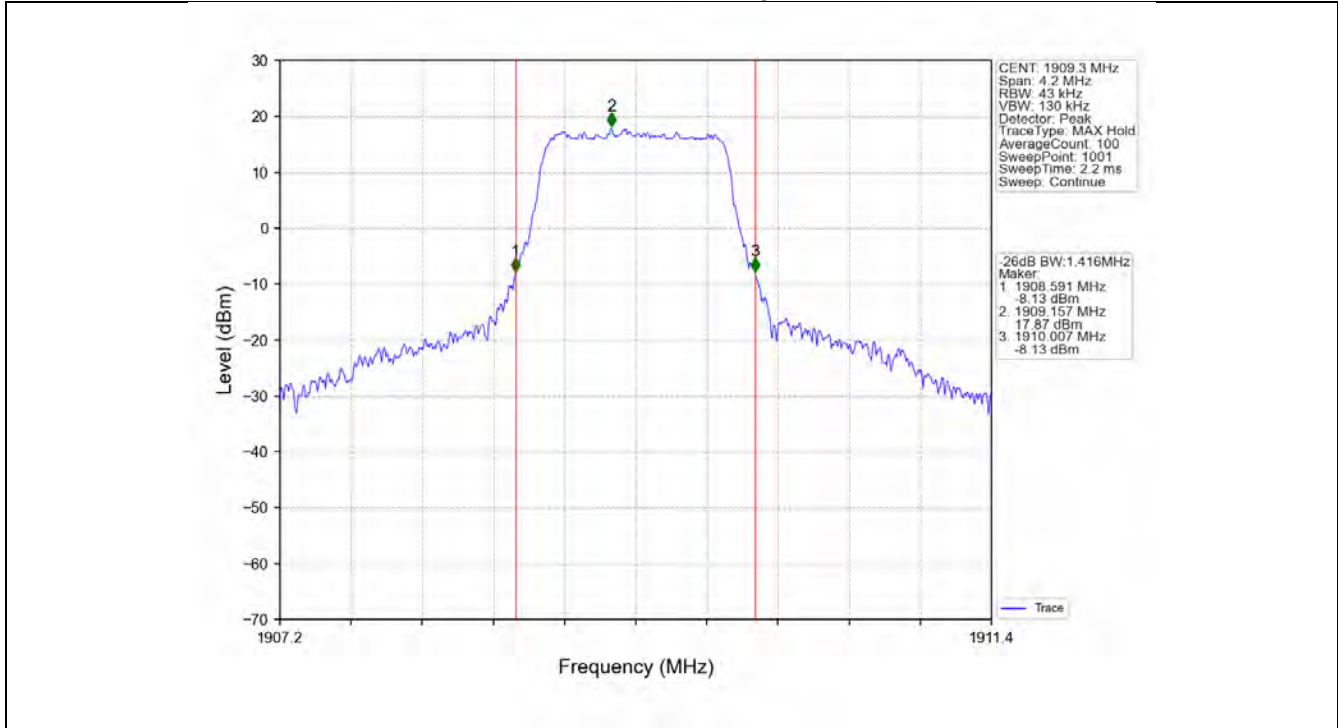
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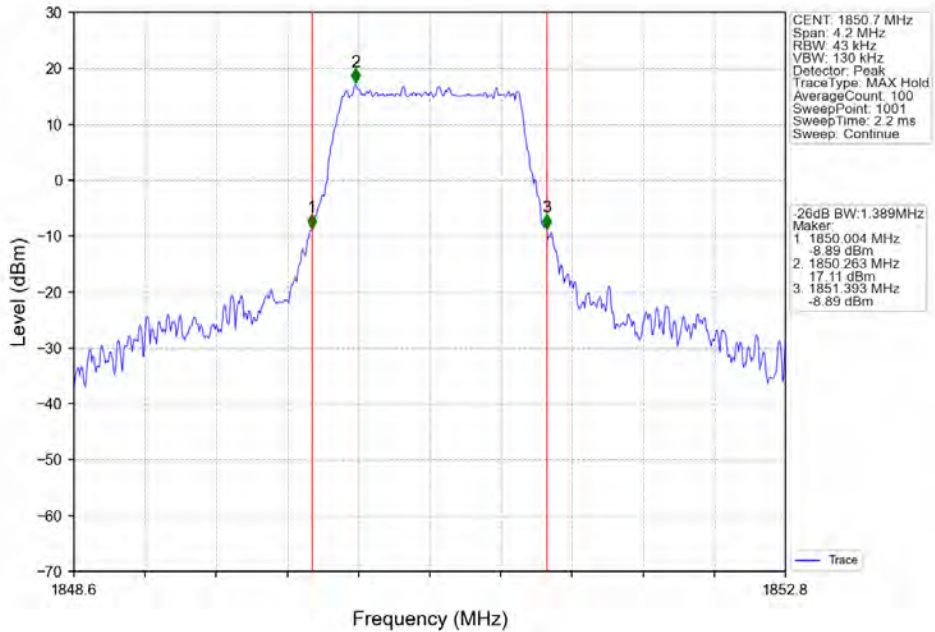


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Band2_1.4MHz_64QAM_LCH_1850.7MHz_RB_6_0_NTNV



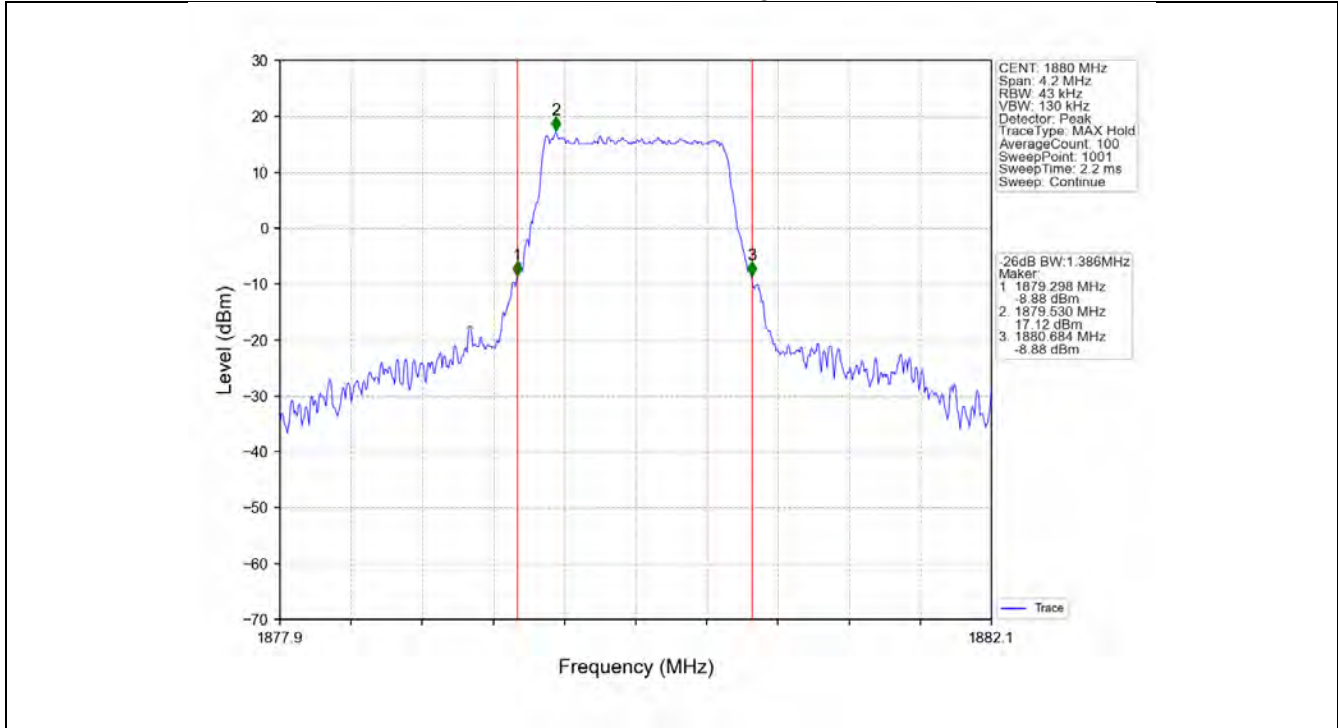
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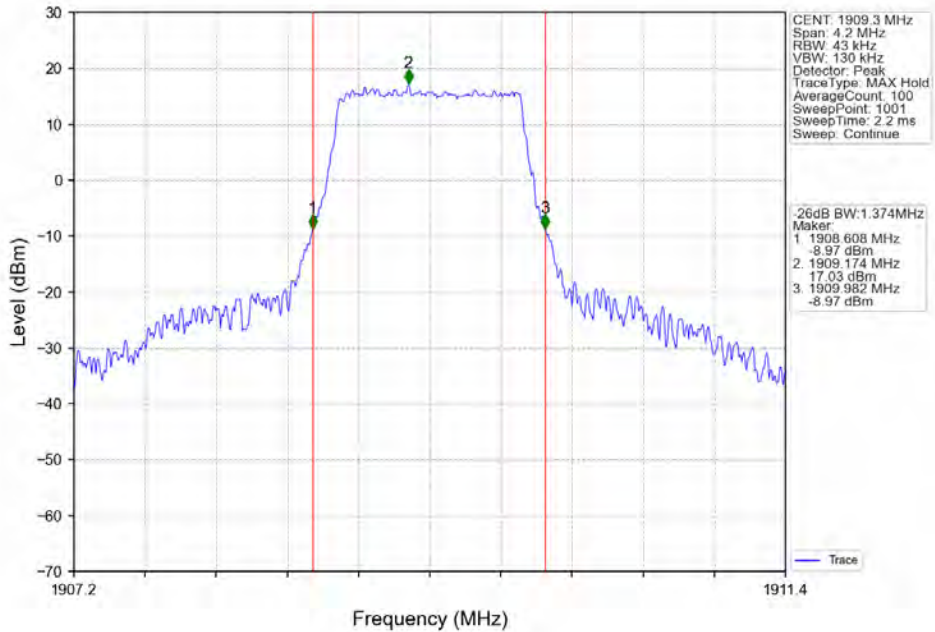
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Band2_1.4MHz_64QAM_HCH_1909.3MHz_RB_6_0_NTNV



Band2_1.4MHz_256QAM_LCH_1850.7MHz_RB_6_0_NTNV

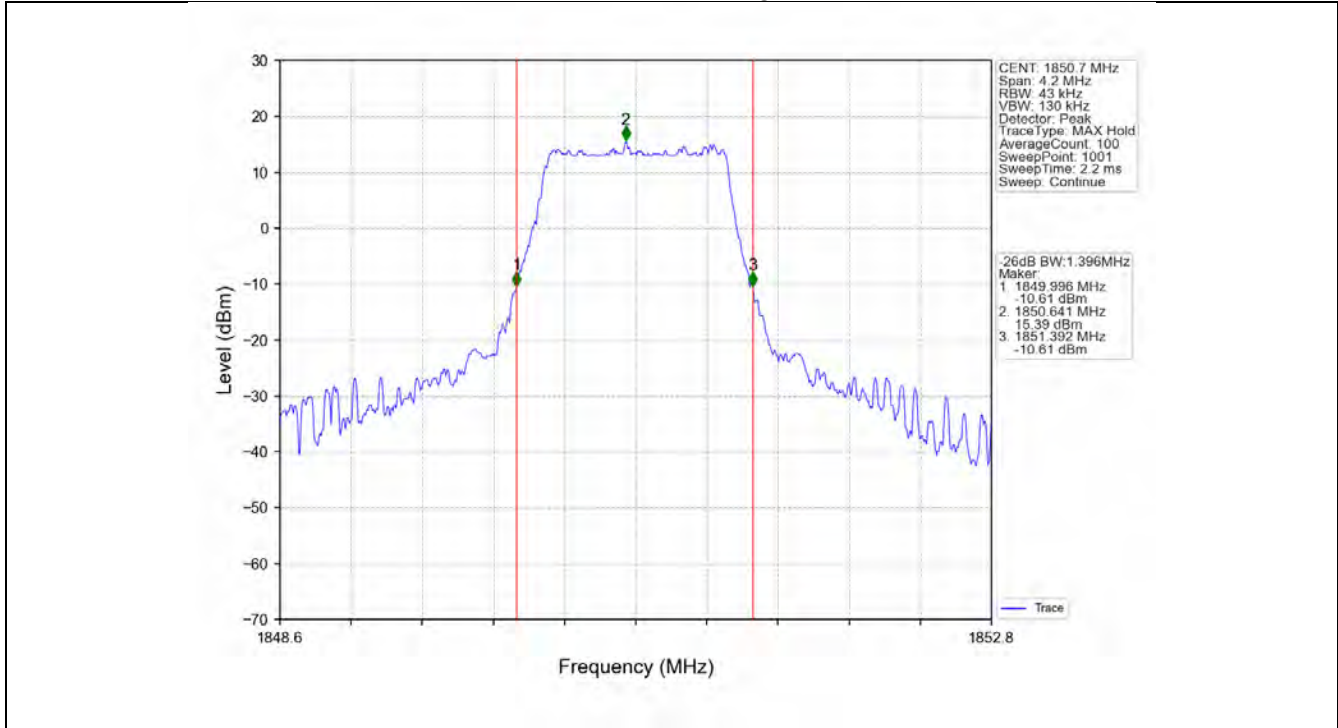


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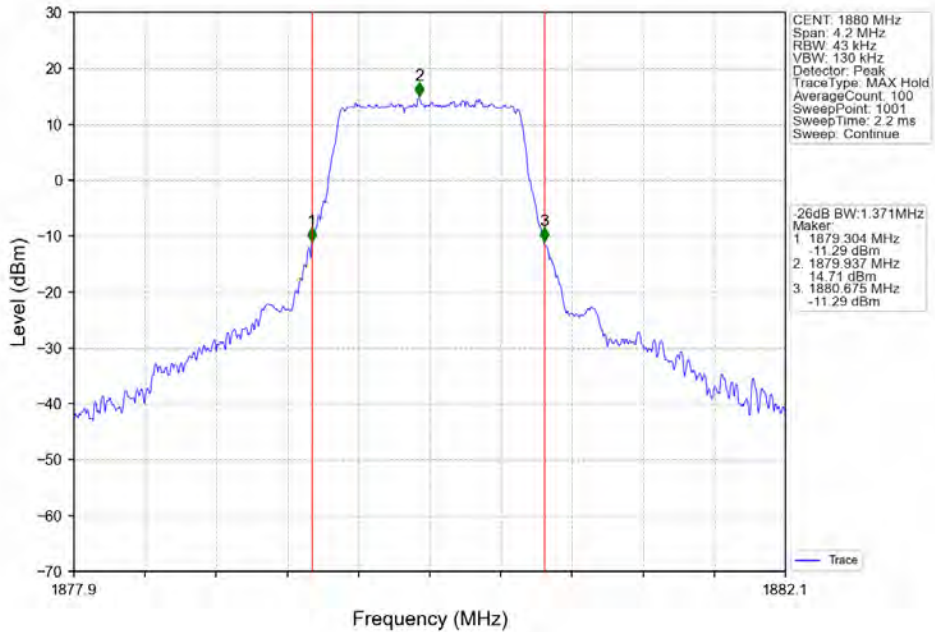


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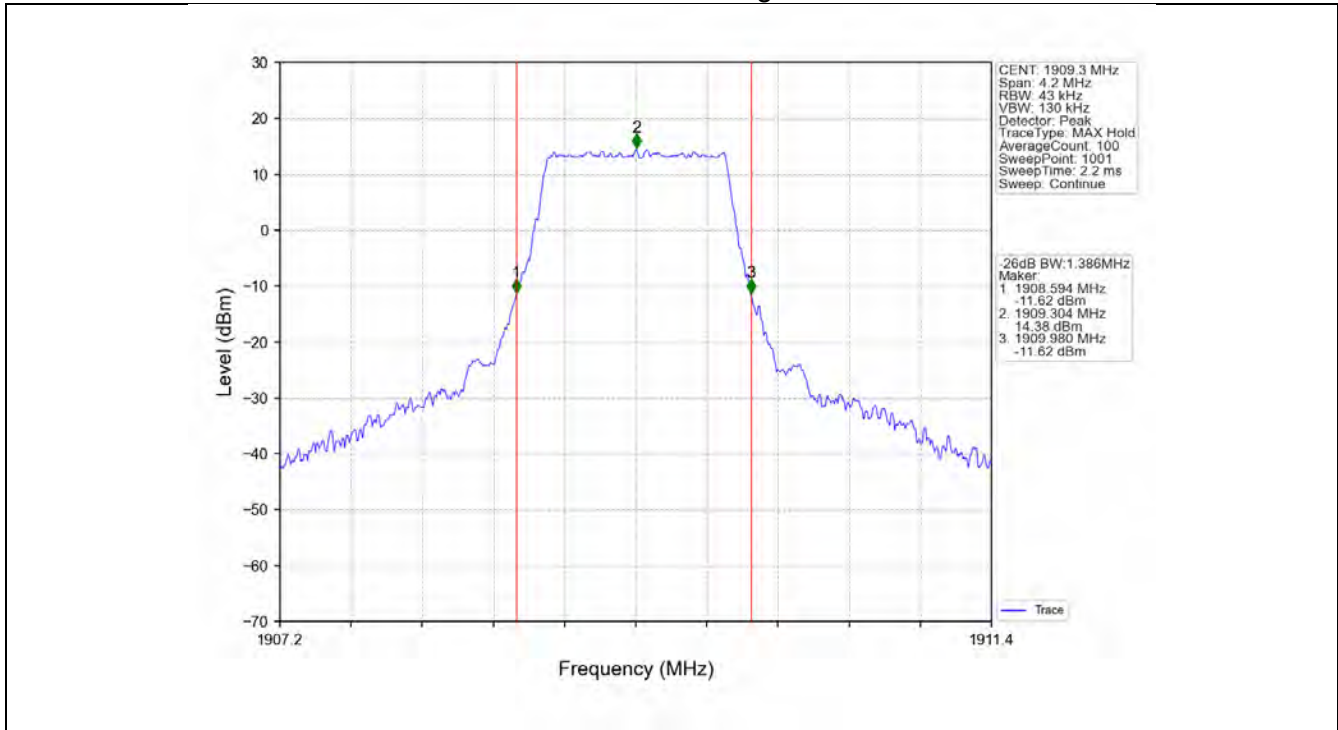
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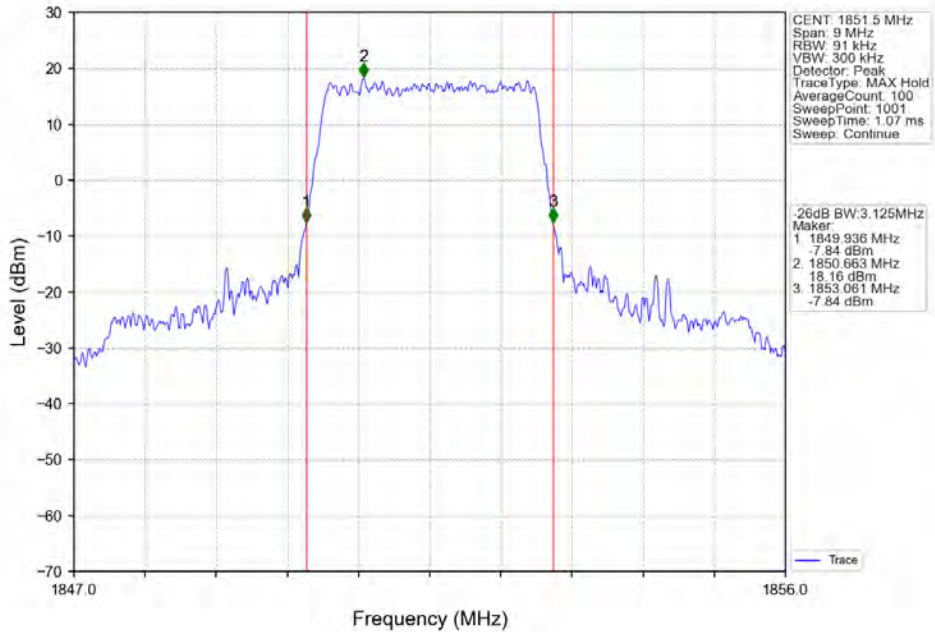
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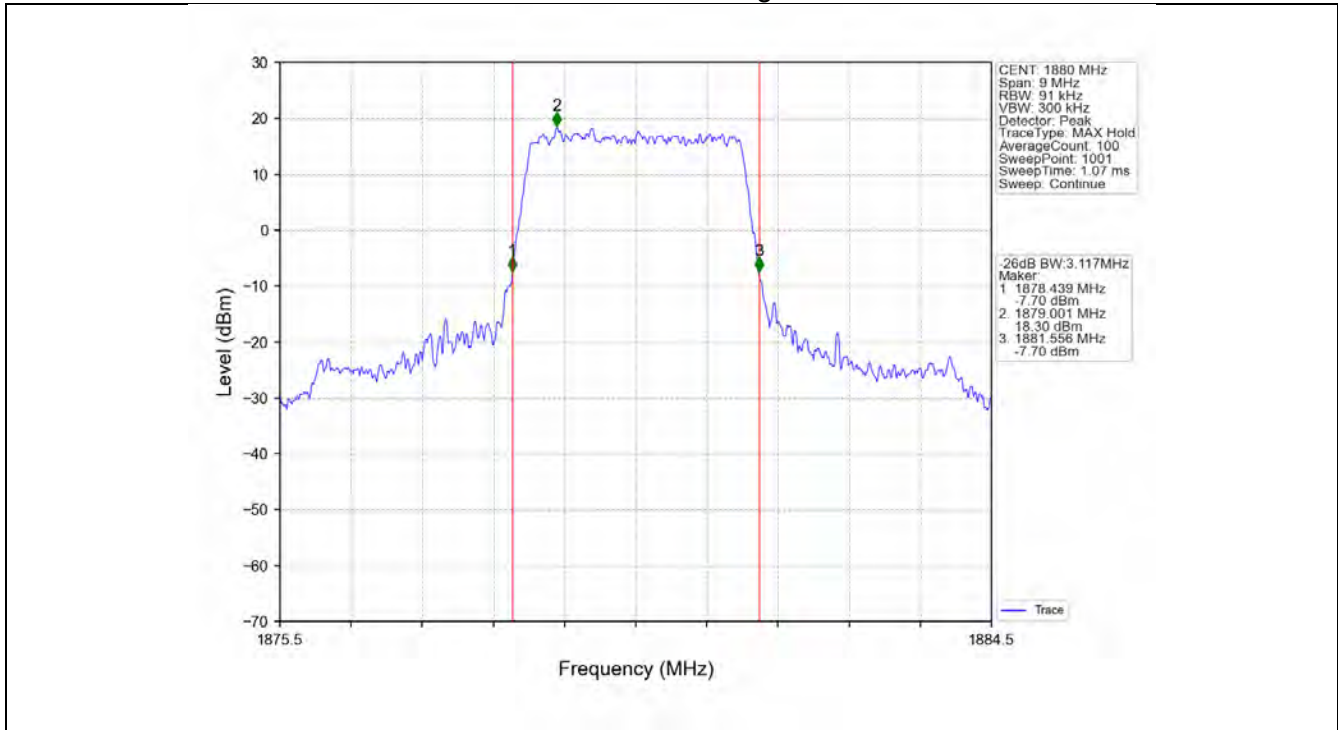
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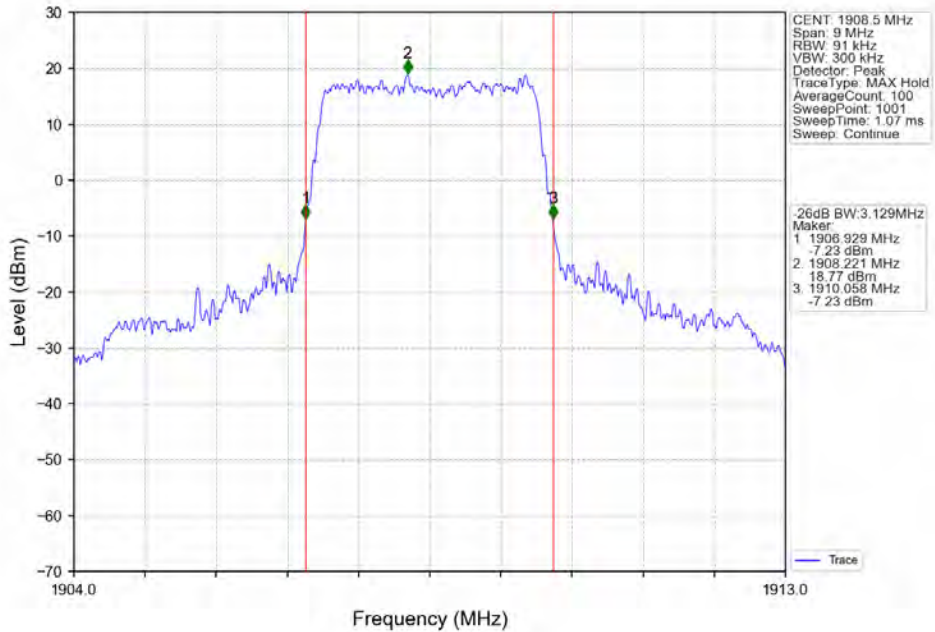


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Band2_3MHz_QPSK_HCH_1908.5MHz_RB_15_0_NTNV



Band2_3MHz_16QAM_LCH_1851.5MHz_RB_15_0_NTNV



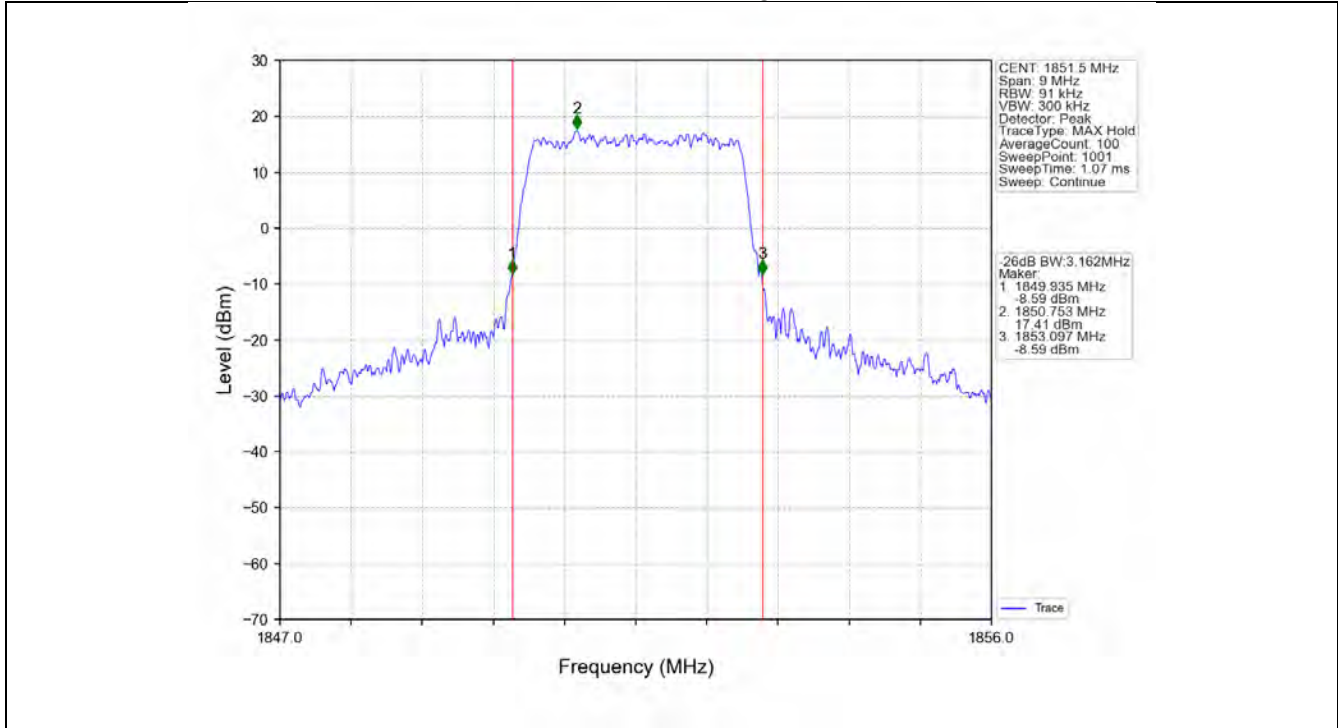
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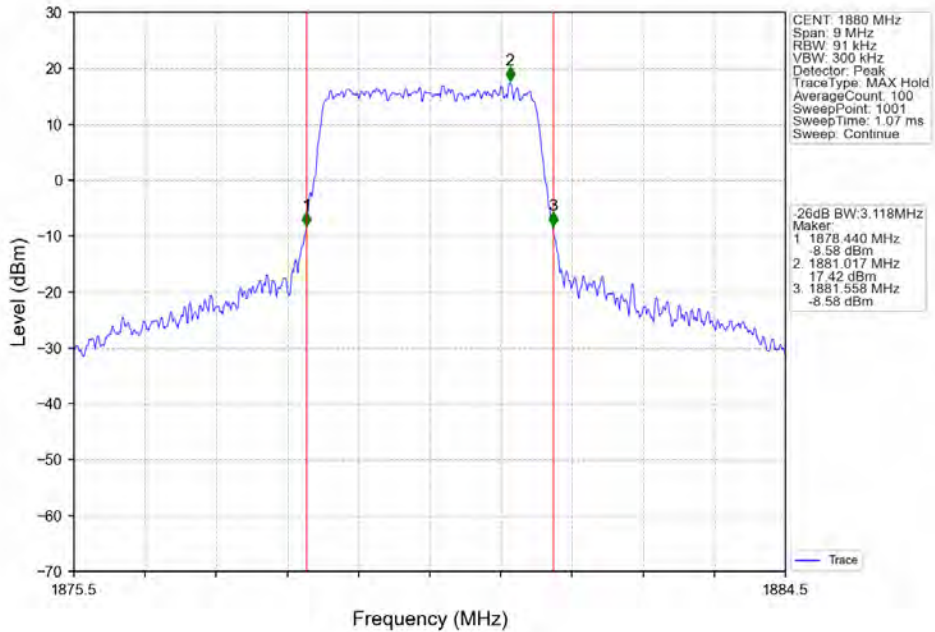


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Band2_3MHz_16QAM_MCH_1880MHz_RB_15_0_NTNV



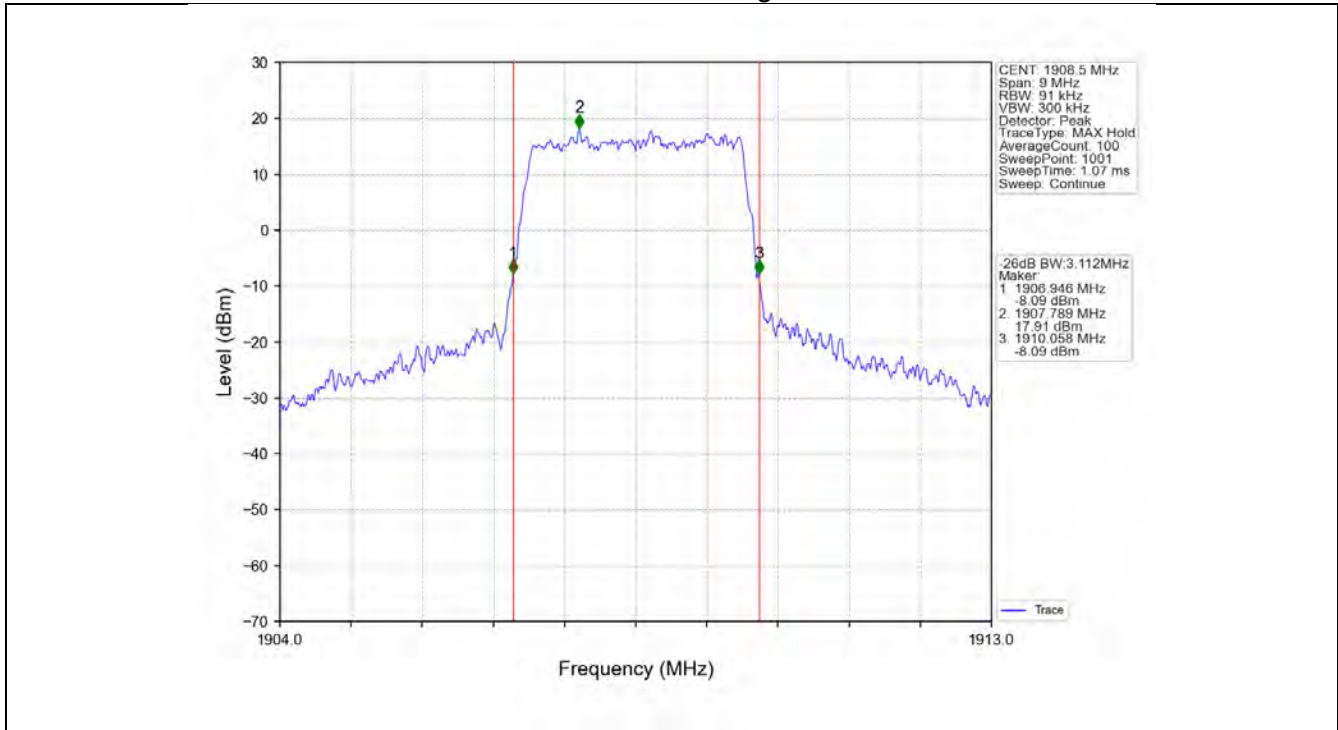
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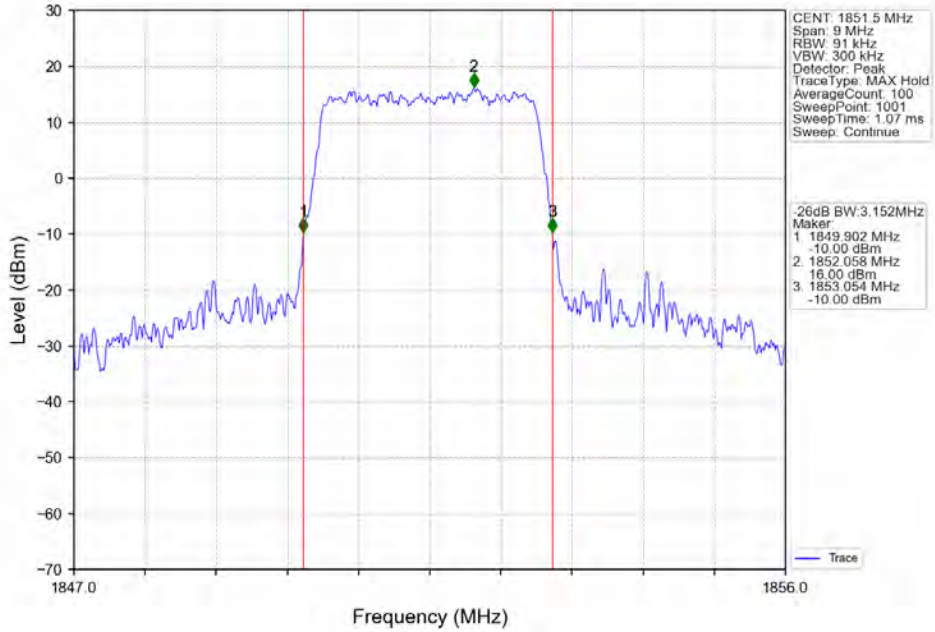


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Band2_3MHz_64QAM_LCH_1851.5MHz_RB_15_0_NTNV



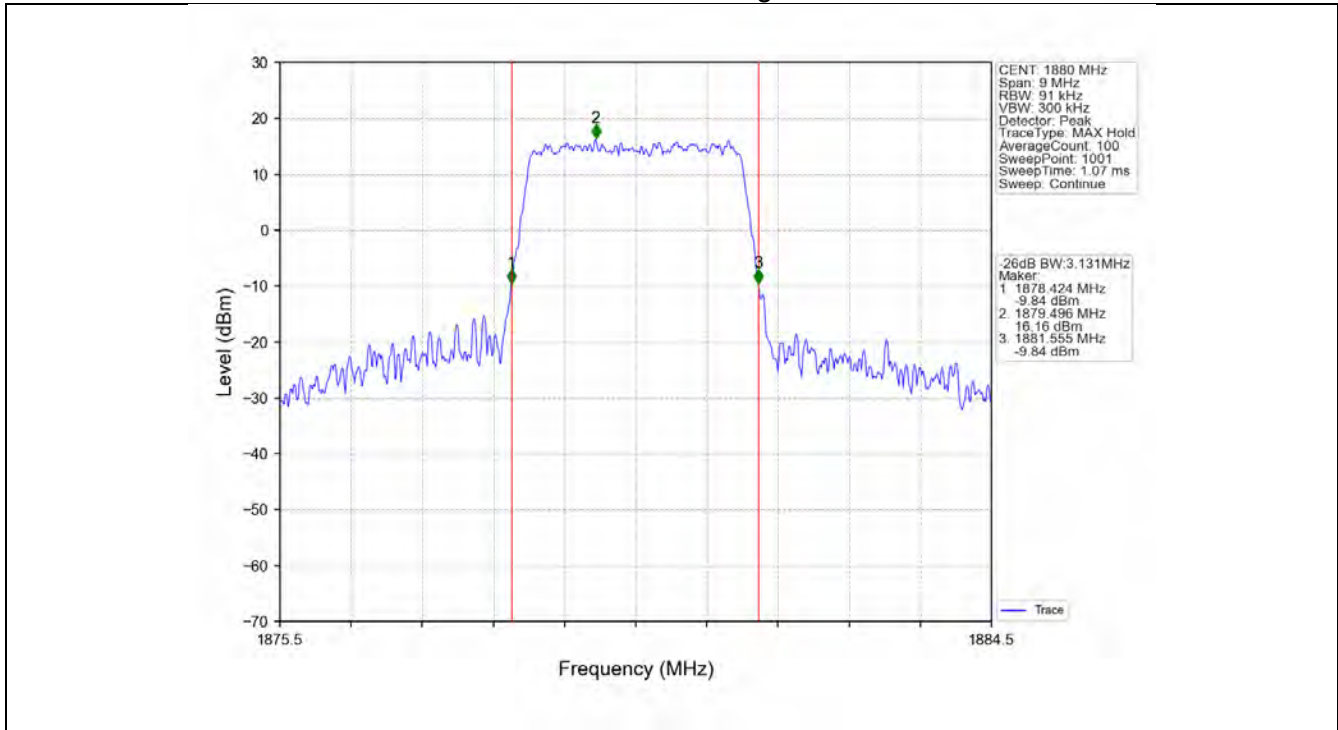
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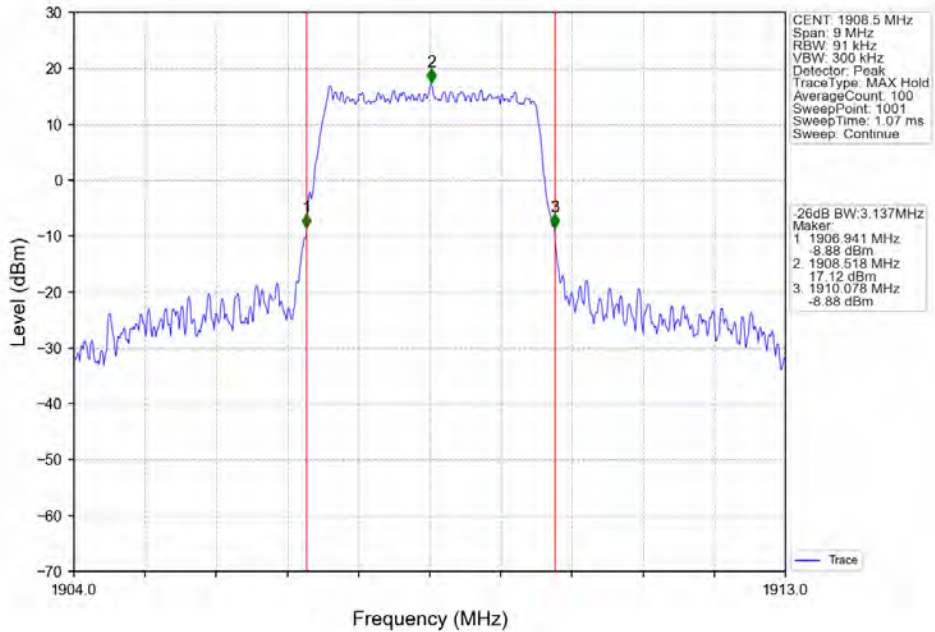
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Band2_3MHz_256QAM_LCH_1851.5MHz_RB_15_0_NTNV

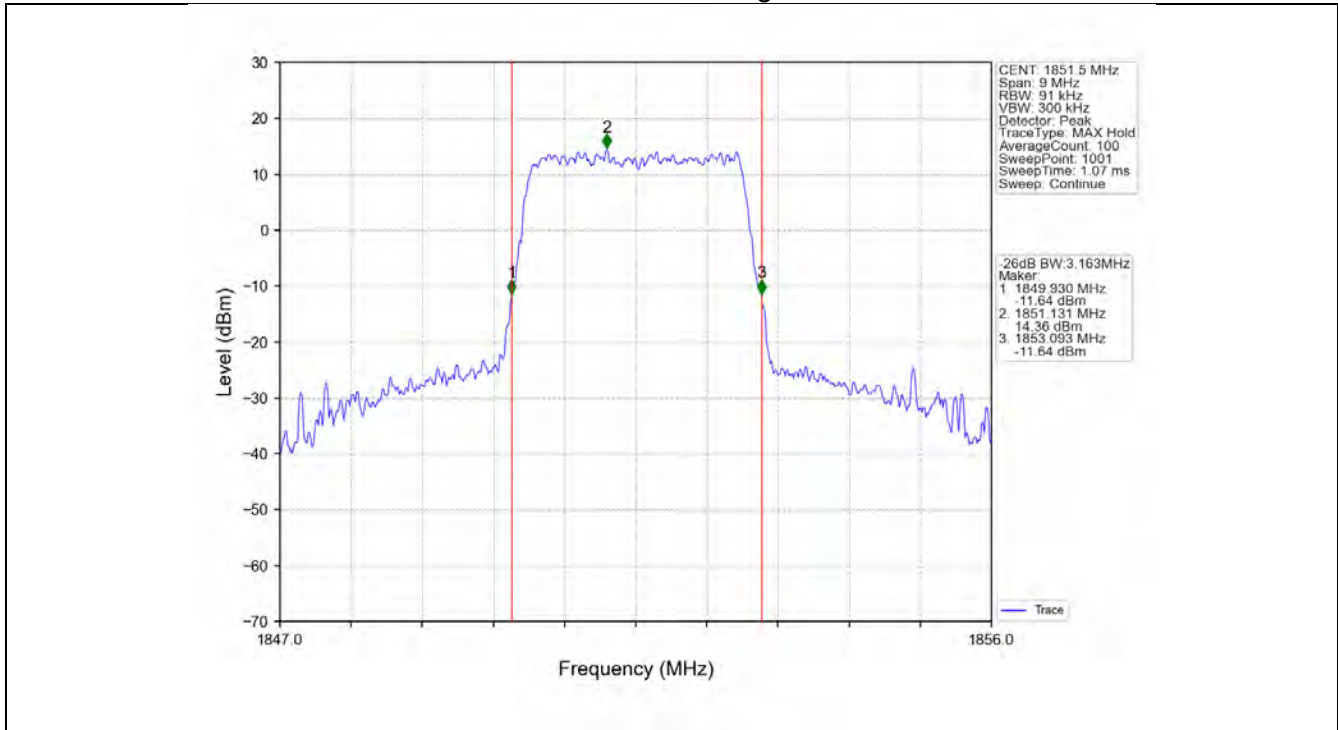


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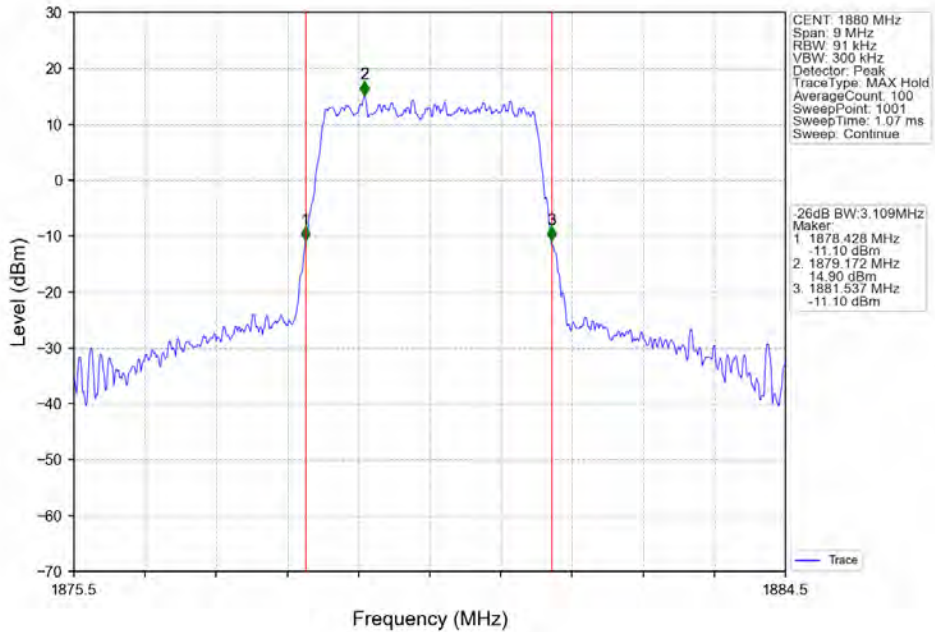


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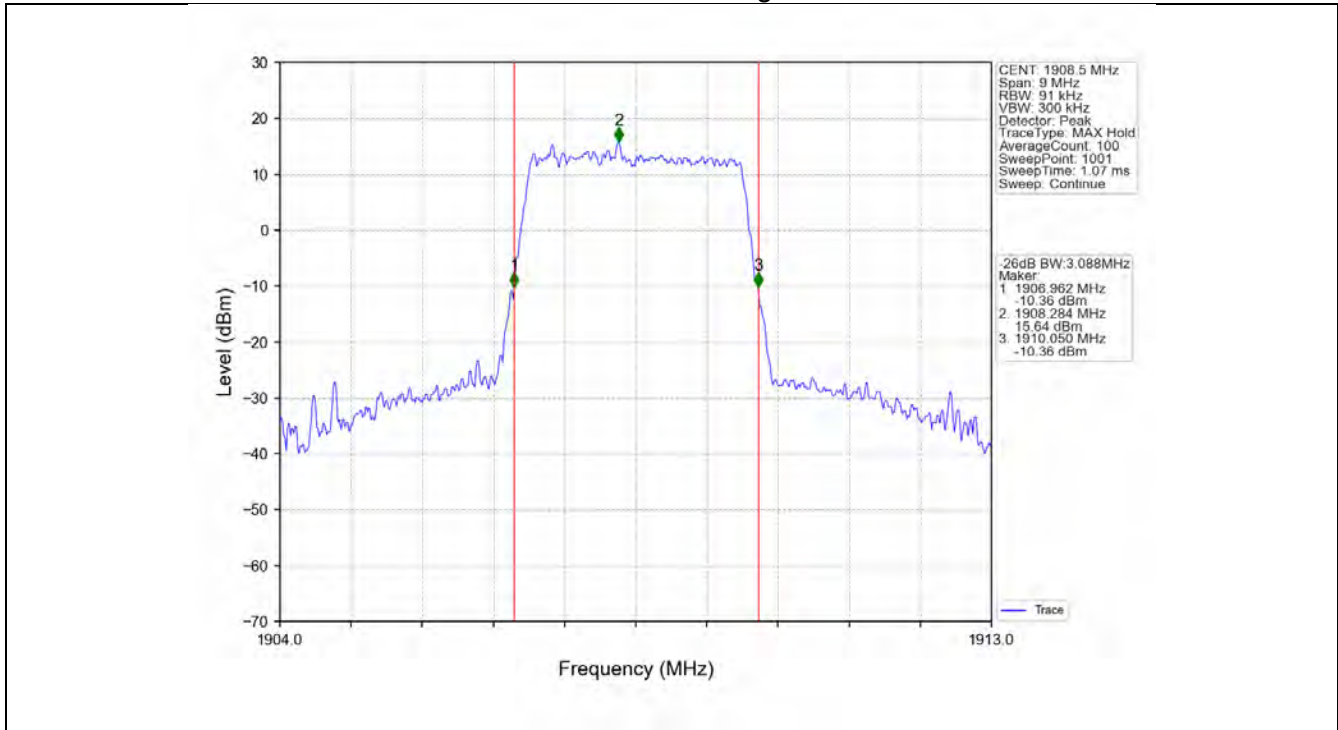


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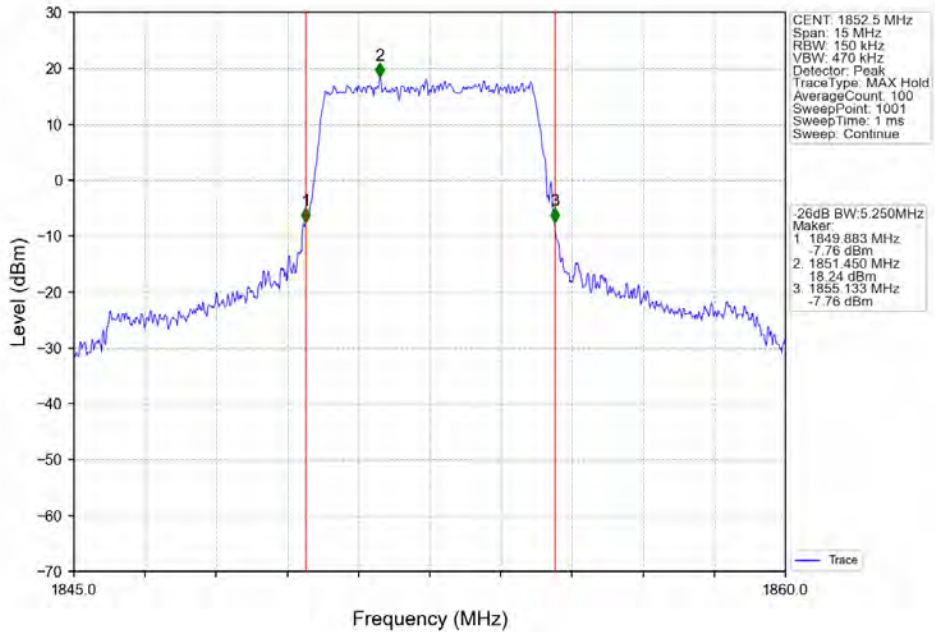


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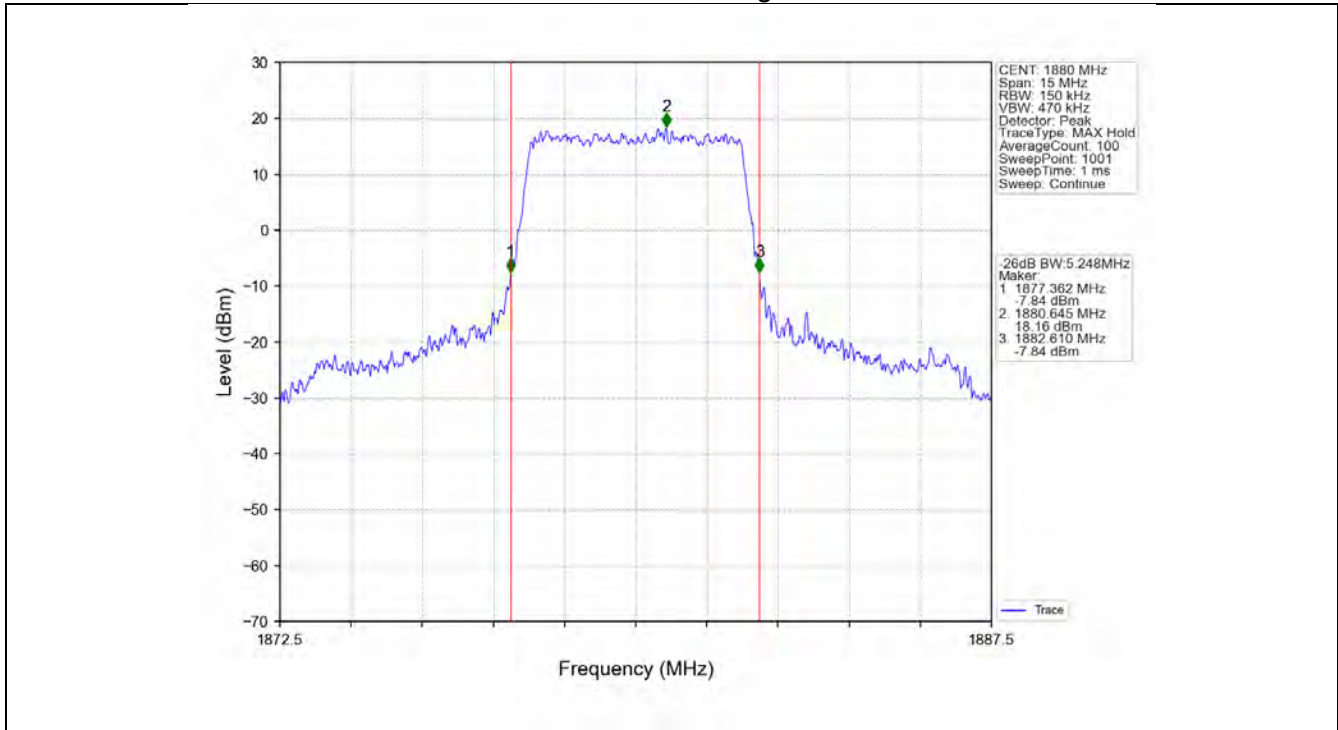
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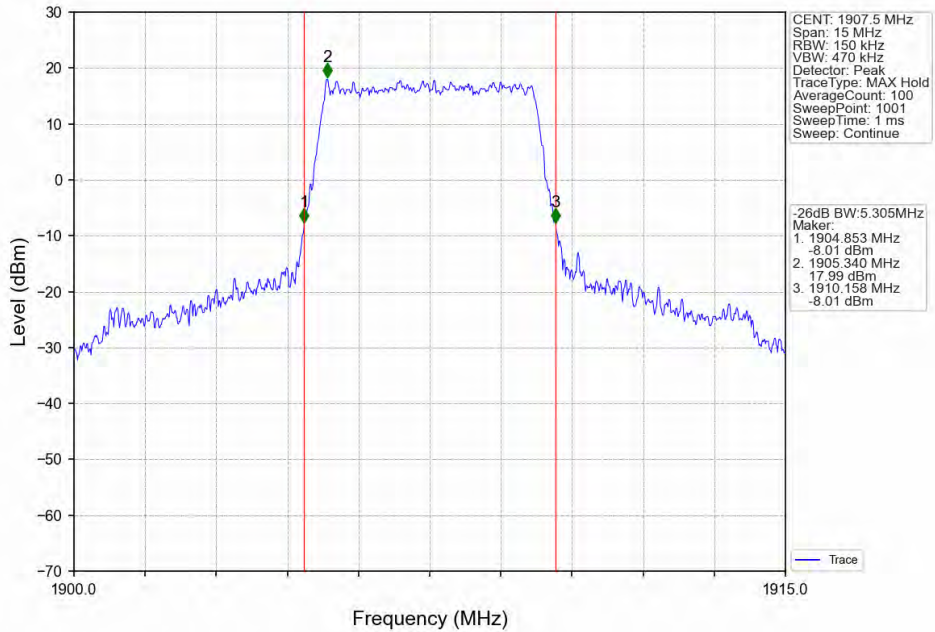


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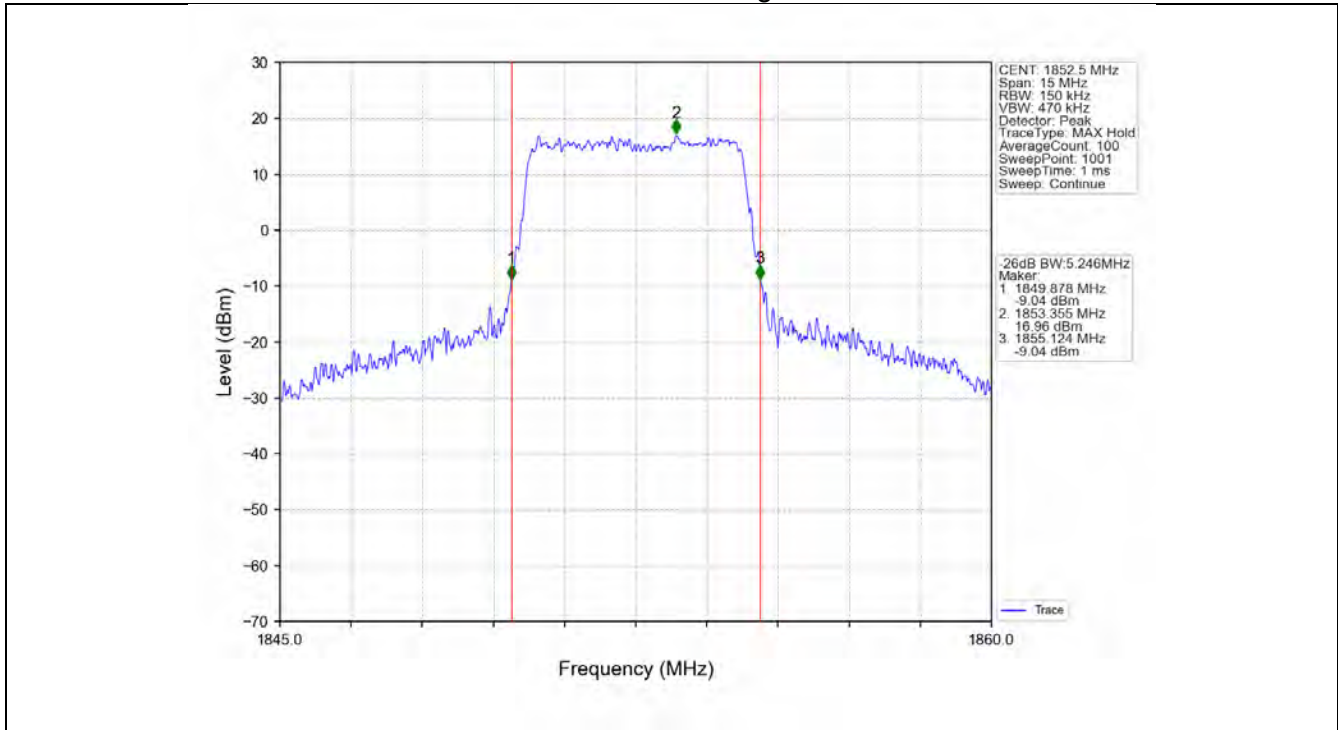
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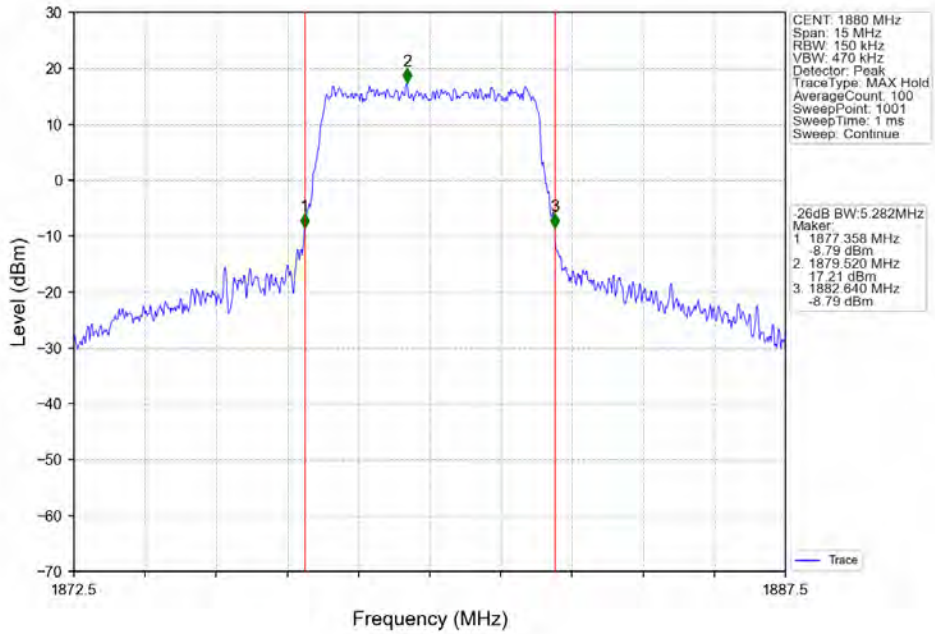
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Band2_5MHz_16QAM_MCH_1880MHz_RB_25_0_NTNV



Band2_5MHz_16QAM_HCH_1907.5MHz_RB_25_0_NTNV



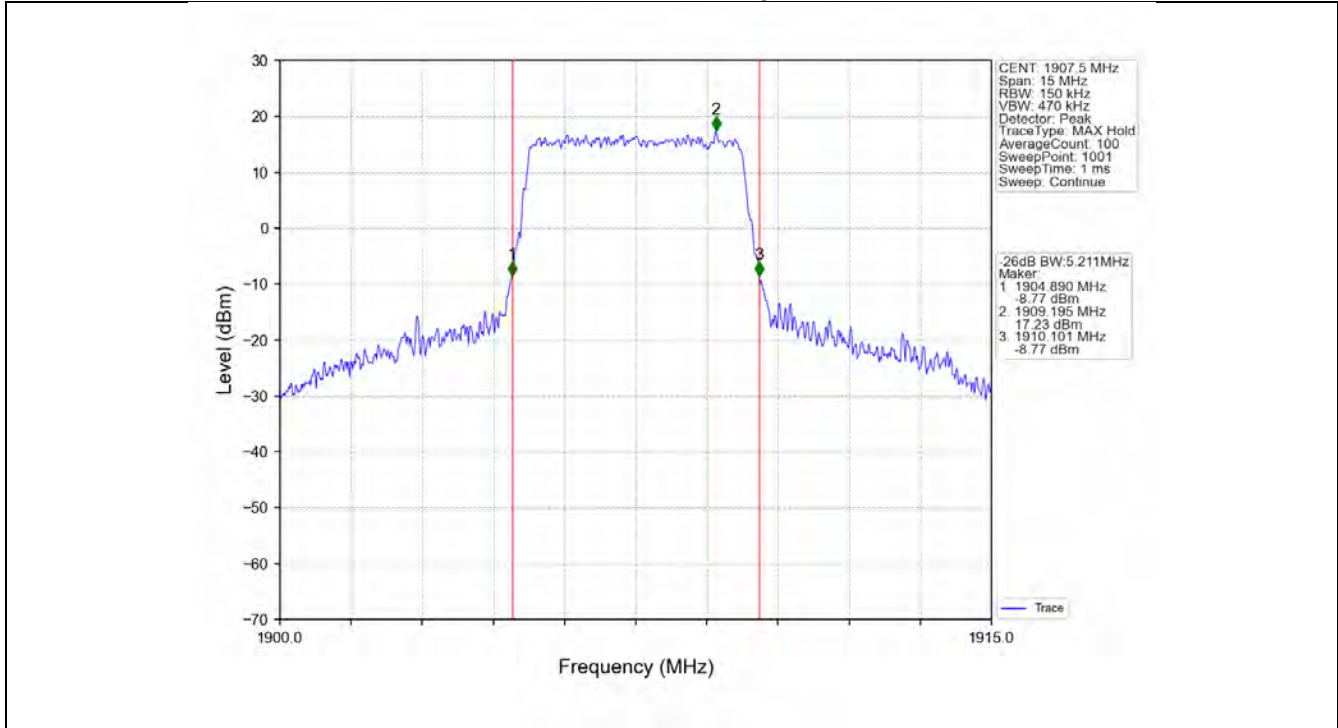
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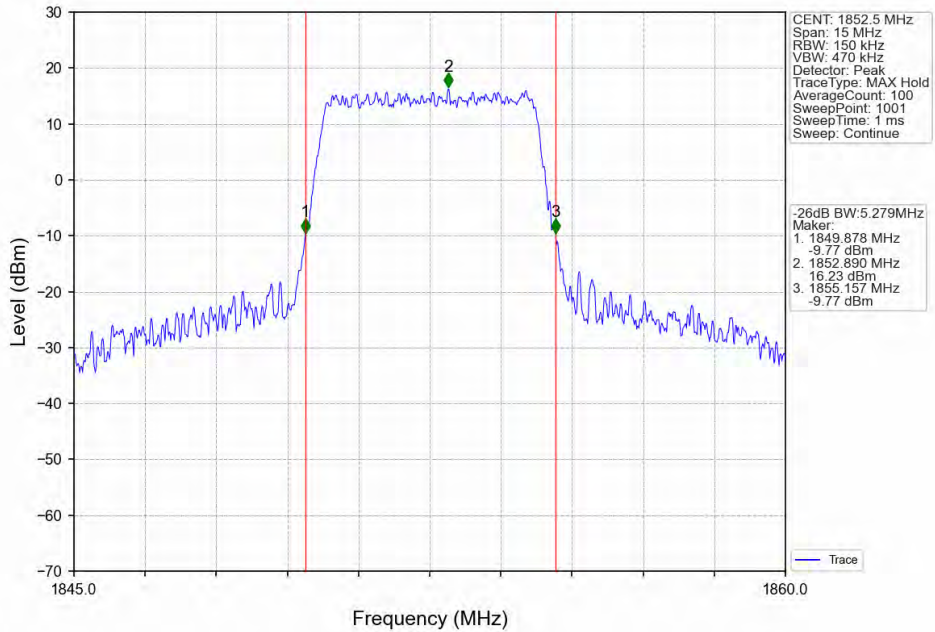


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Band2_5MHz_64QAM_LCH_1852.5MHz_RB_25_0_NTNV



Band2_5MHz_64QAM_MCH_1880MHz_RB_25_0_NTNV



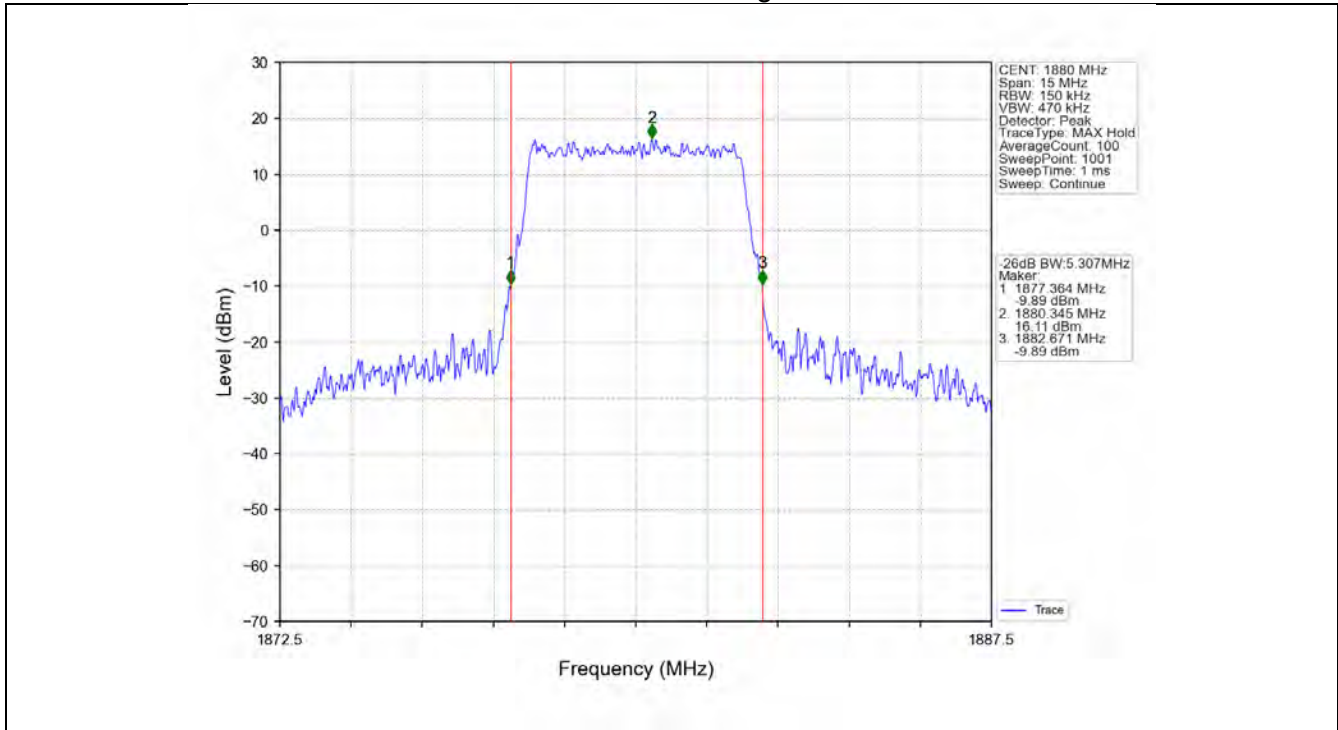
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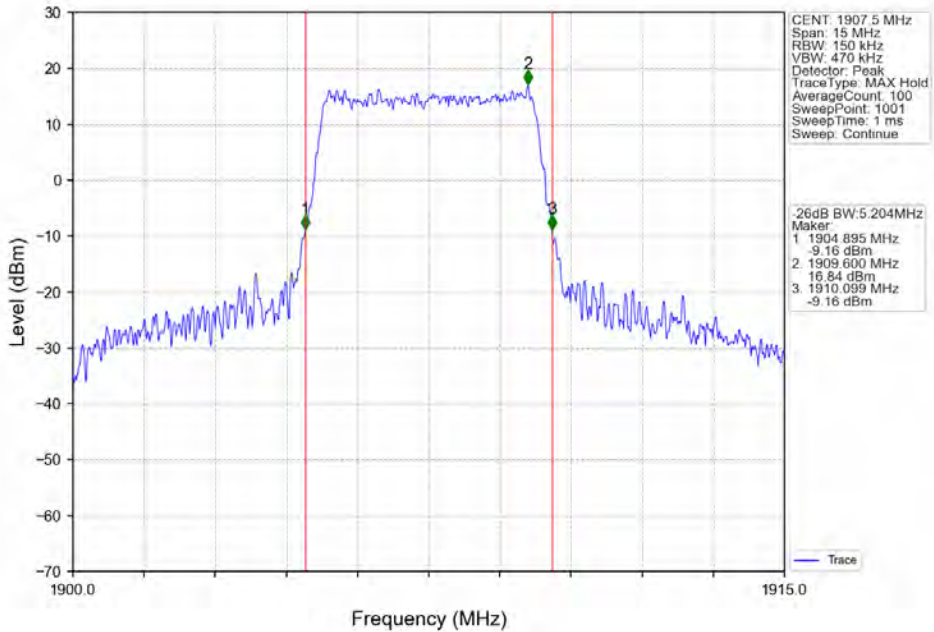


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Band2_5MHz_64QAM_HCH_1907.5MHz_RB_25_0_NTNV



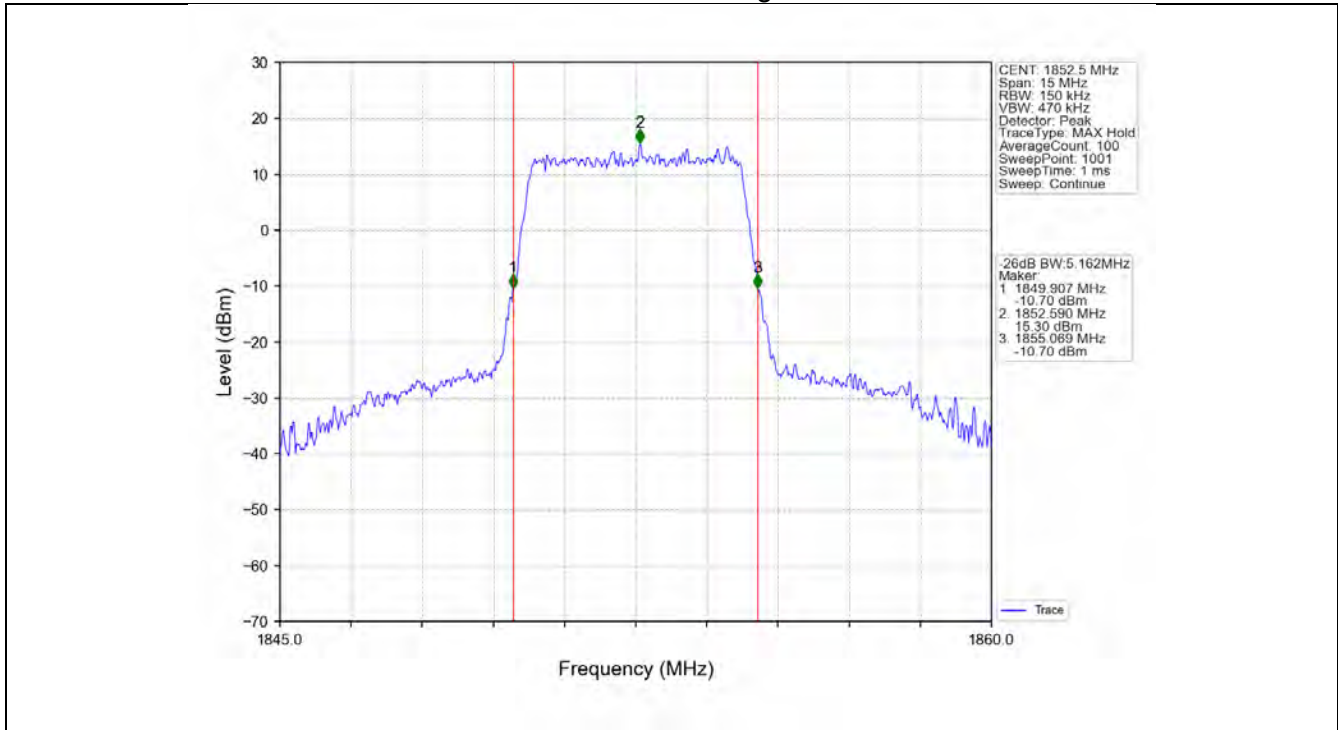
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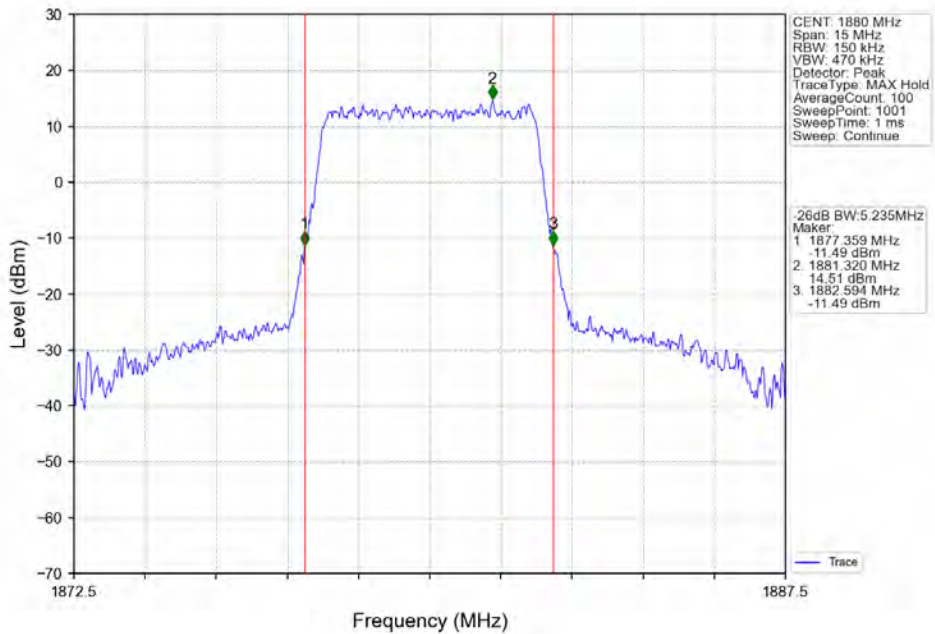
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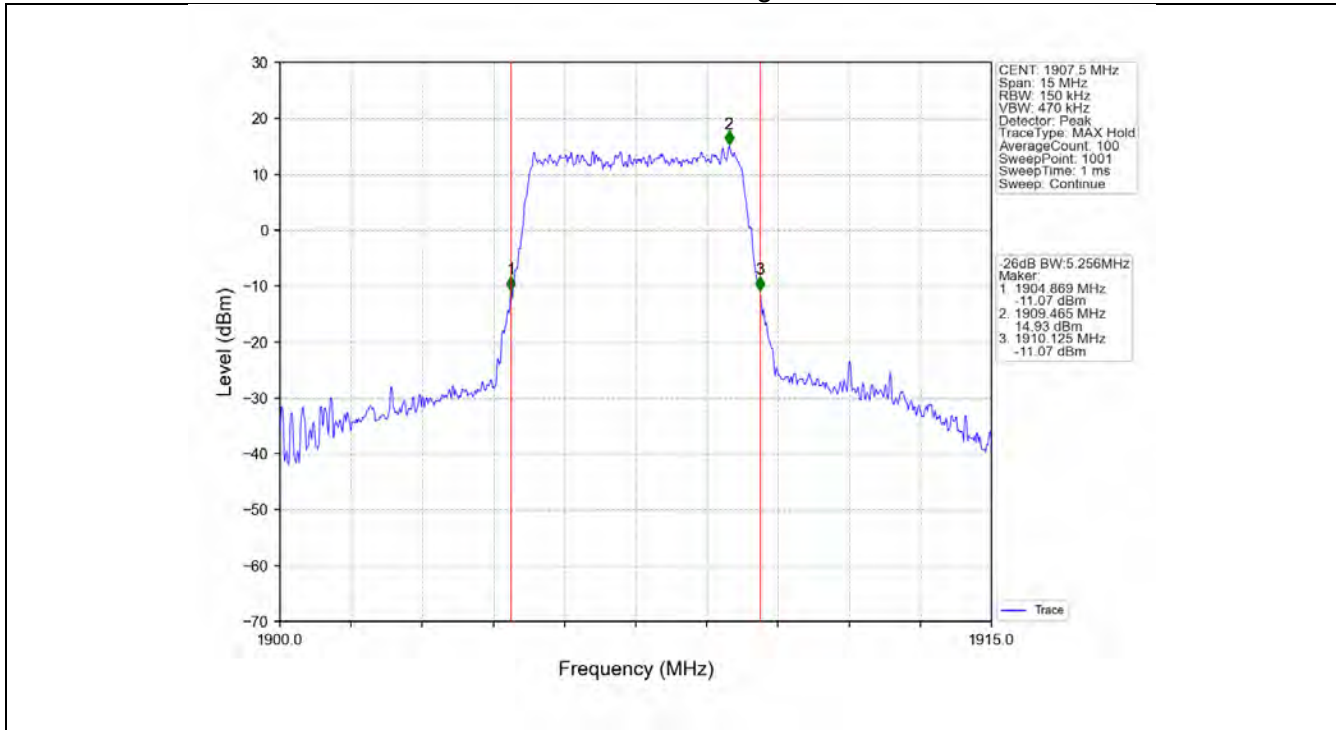
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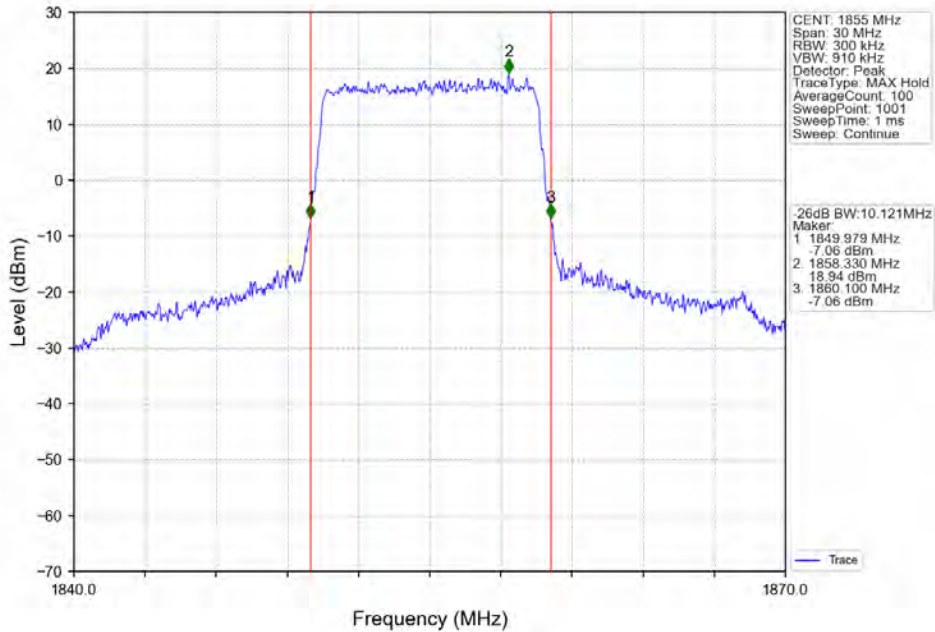


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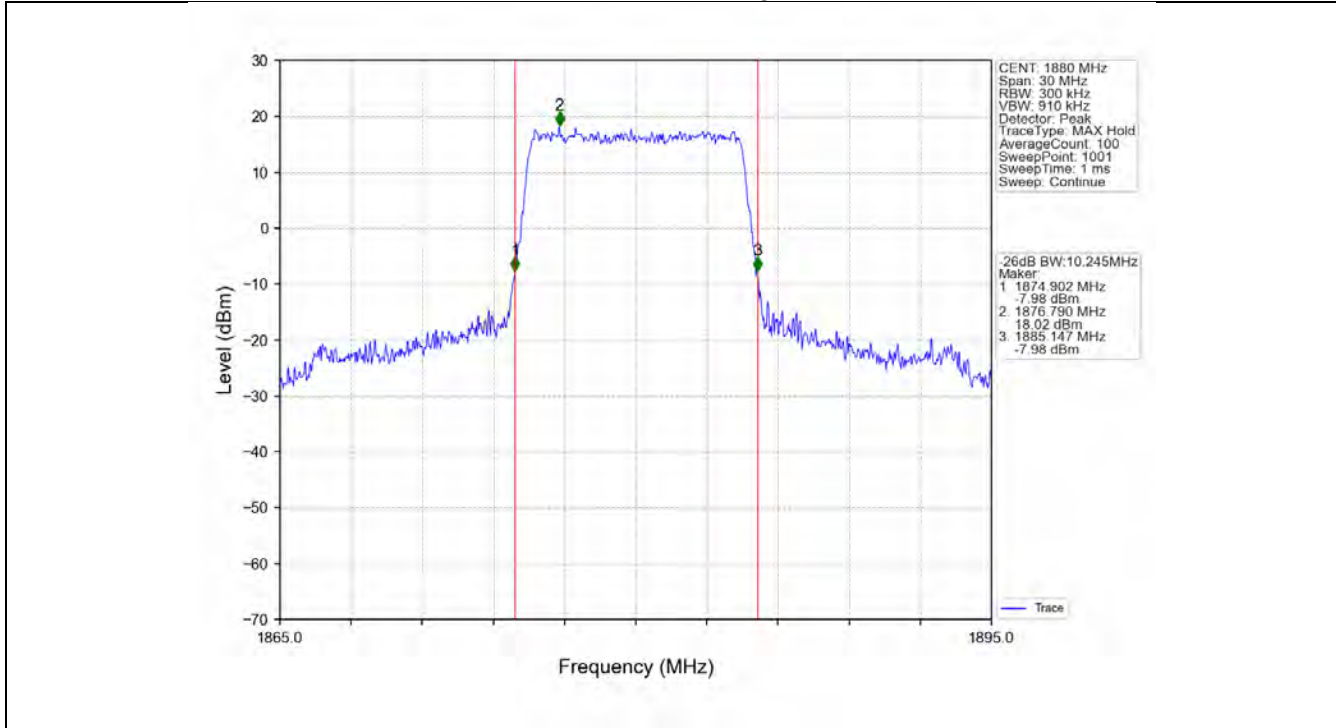
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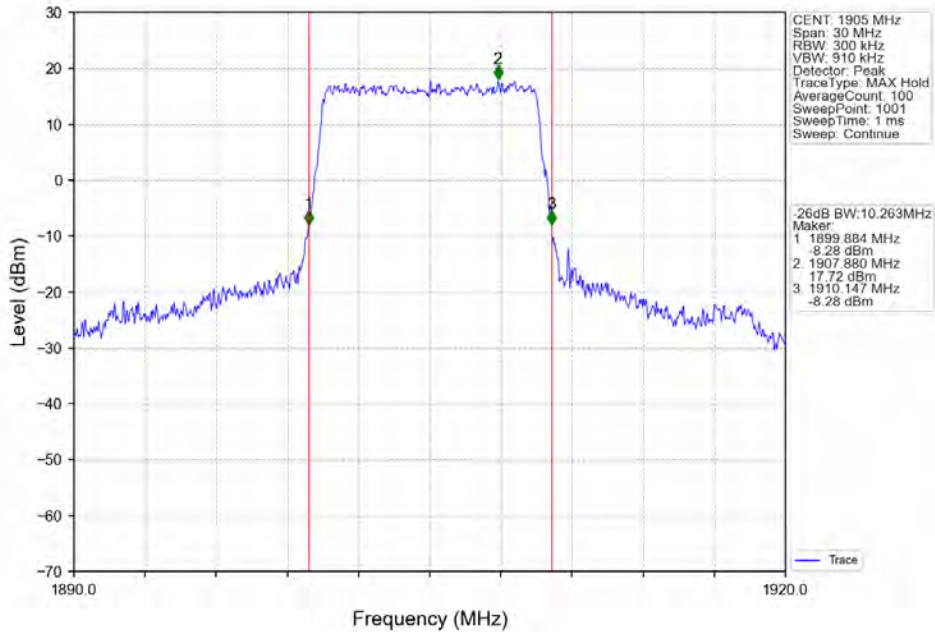
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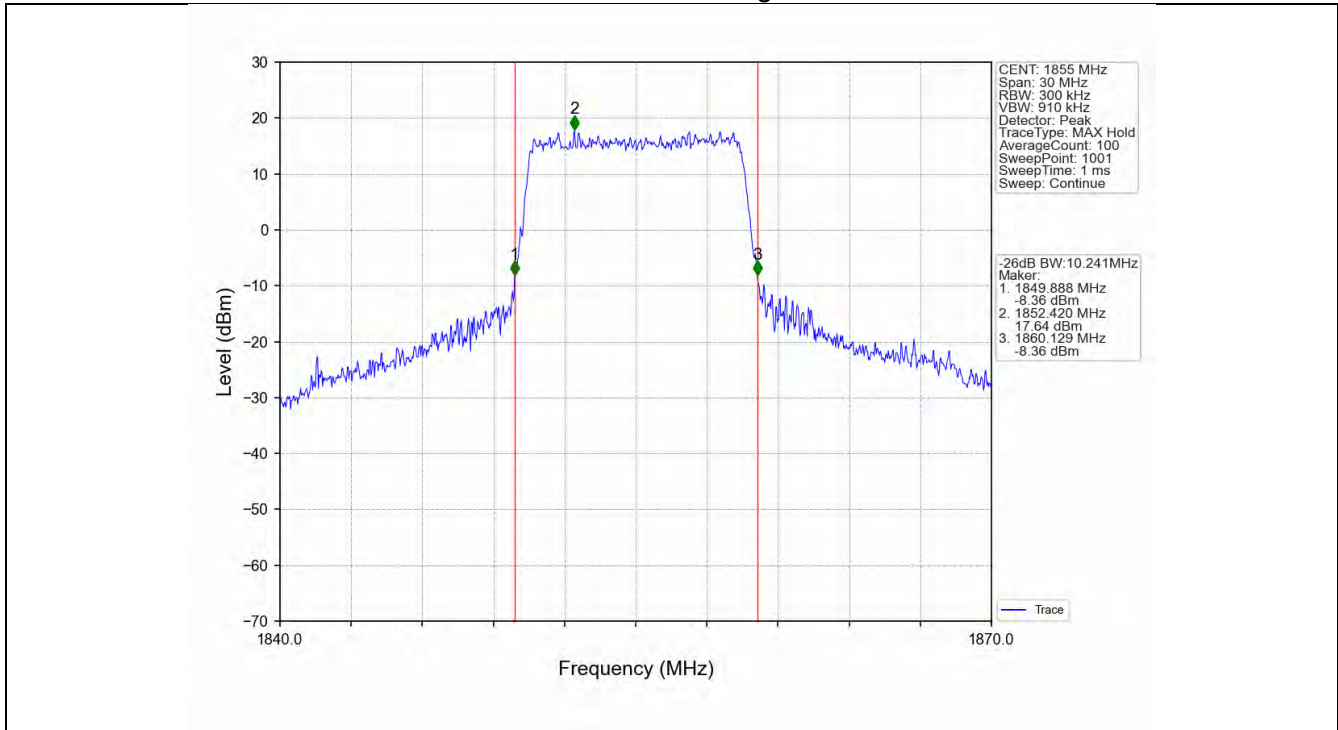
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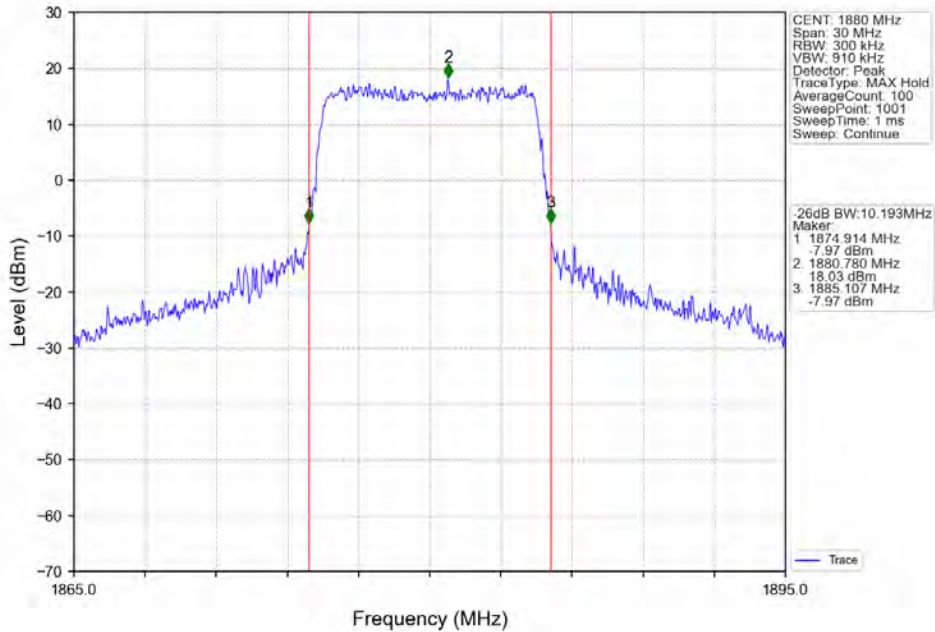


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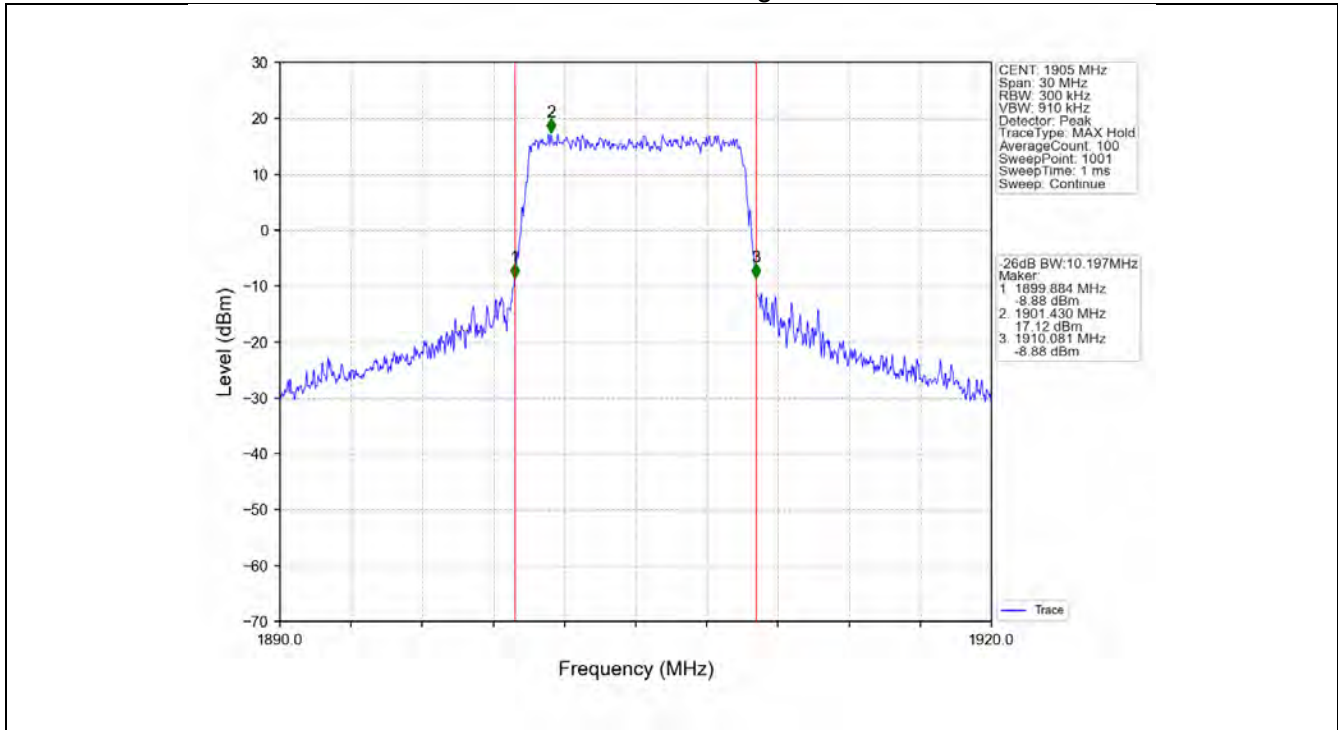
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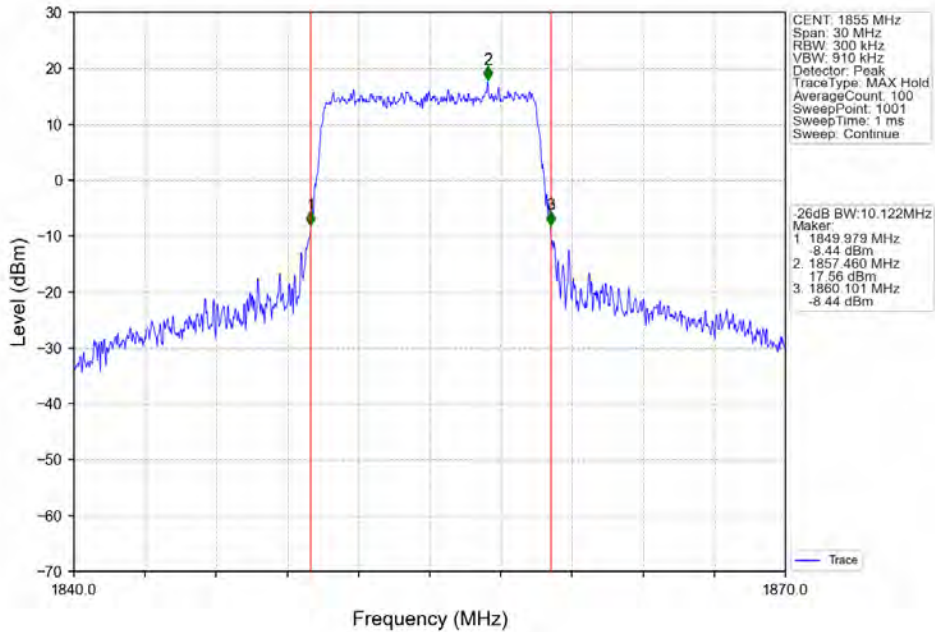


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Band2_10MHz_64QAM_LCH_1855MHz_RB_50_0_NTNV



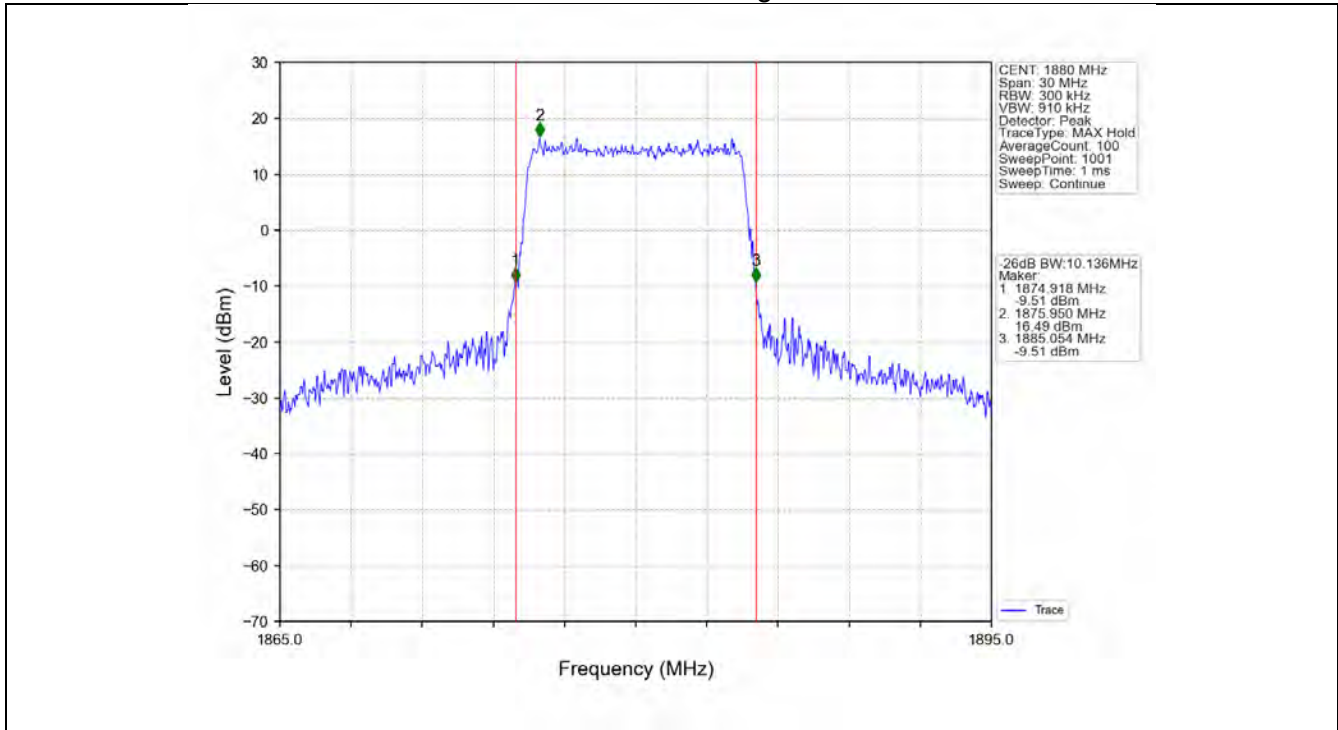
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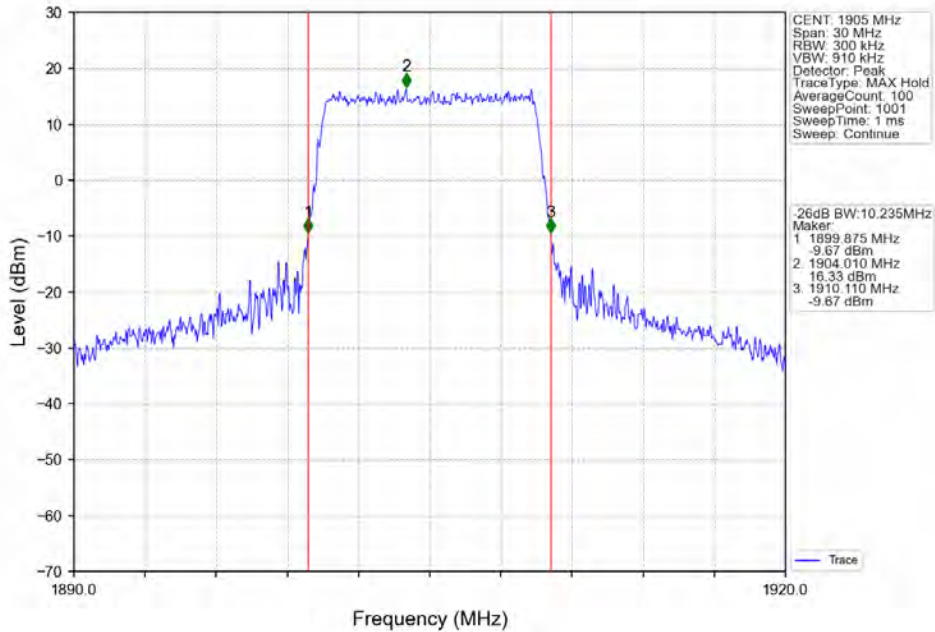


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Band2_10MHz_256QAM_LCH_1855MHz_RB_50_0_NTNV



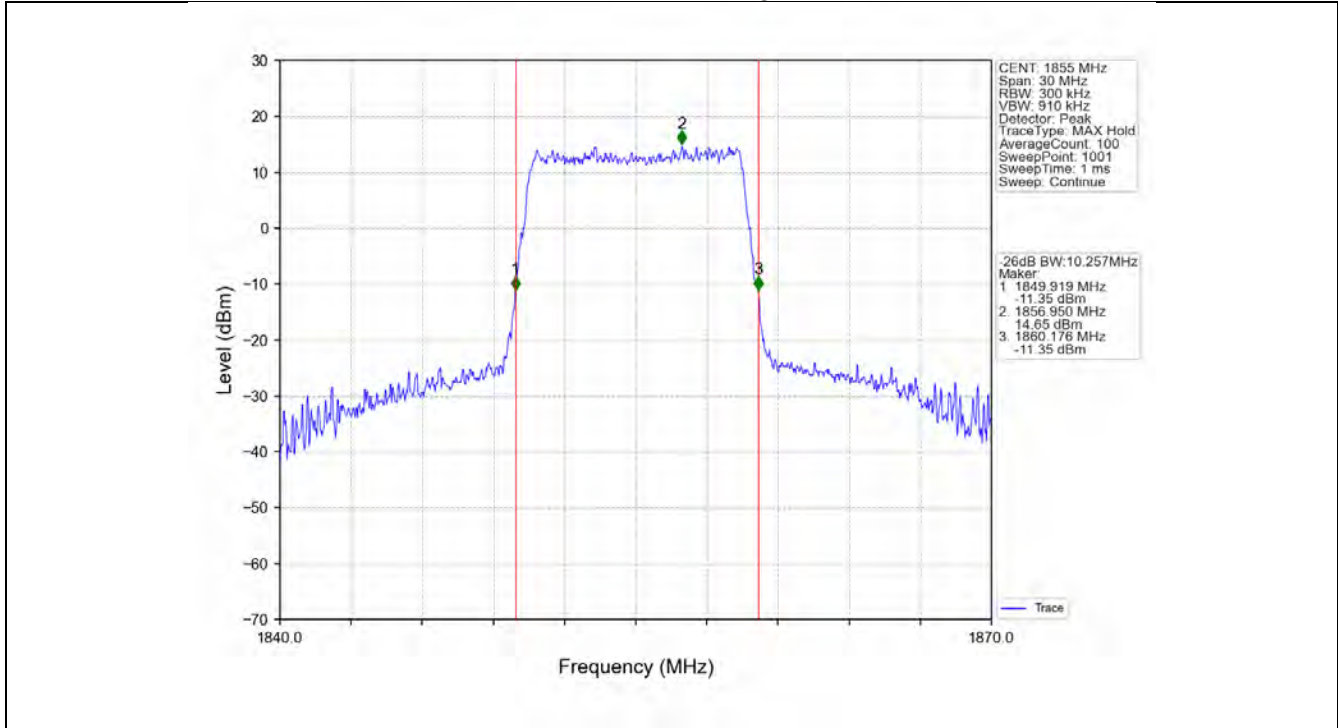
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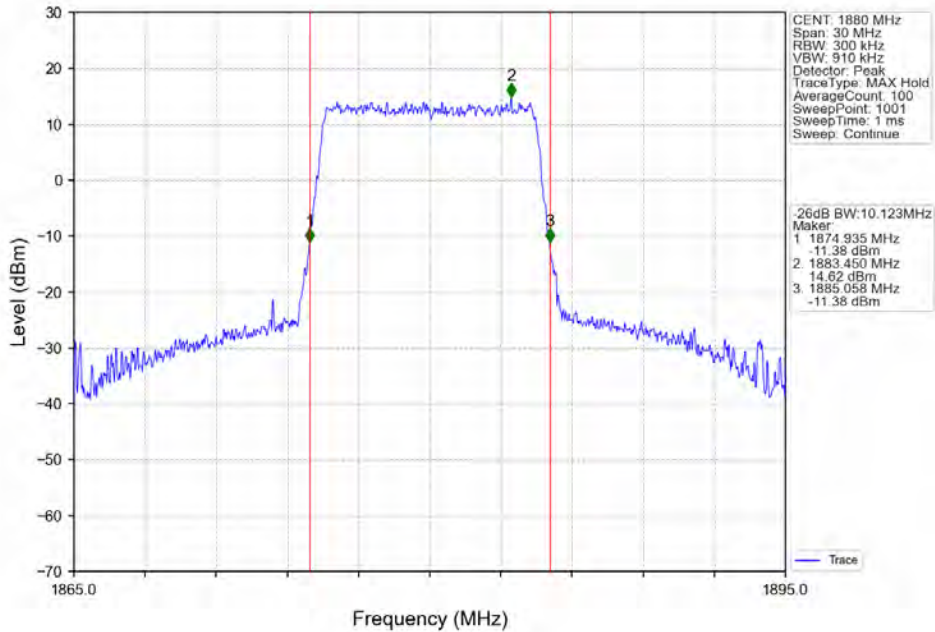
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Band2_10MHz_256QAM_MCH_1880MHz_RB_50_0_NTNV



Band2_10MHz_256QAM_HCH_1905MHz_RB_50_0_NTNV

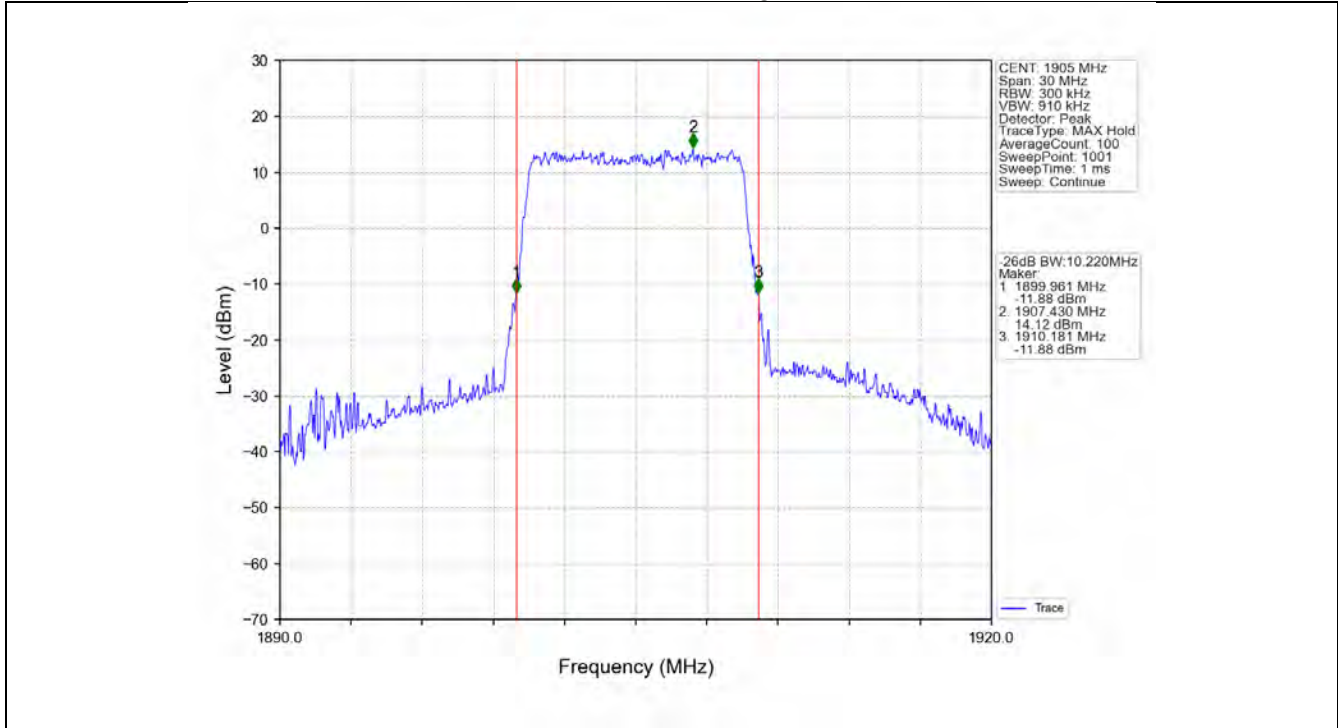


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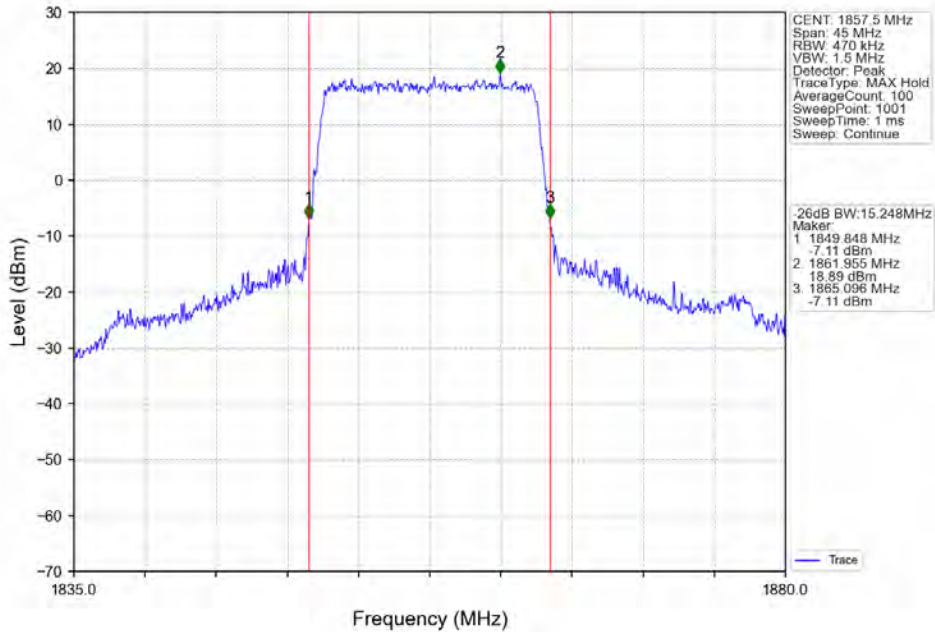
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Band2_15MHz_QPSK_LCH_1857.5MHz_RB_75_0_NTNV



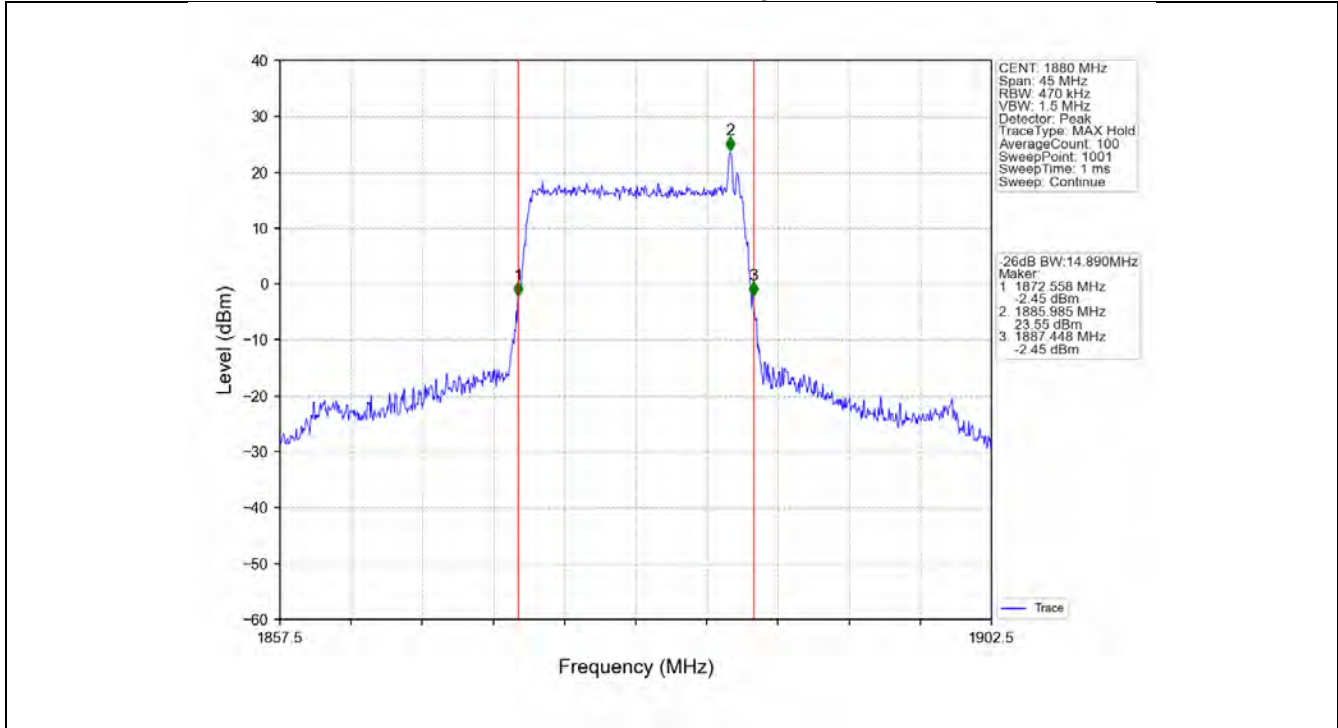
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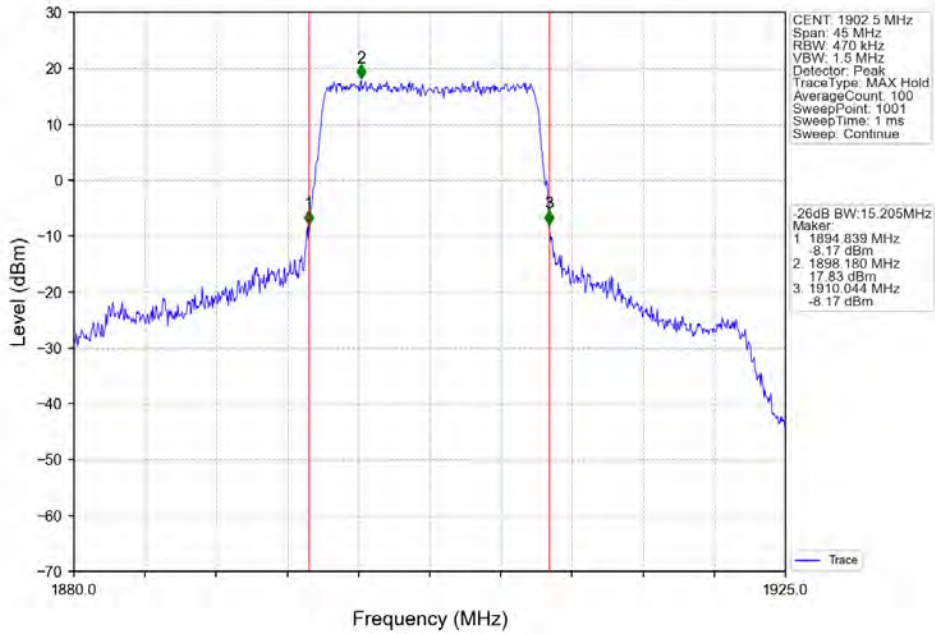
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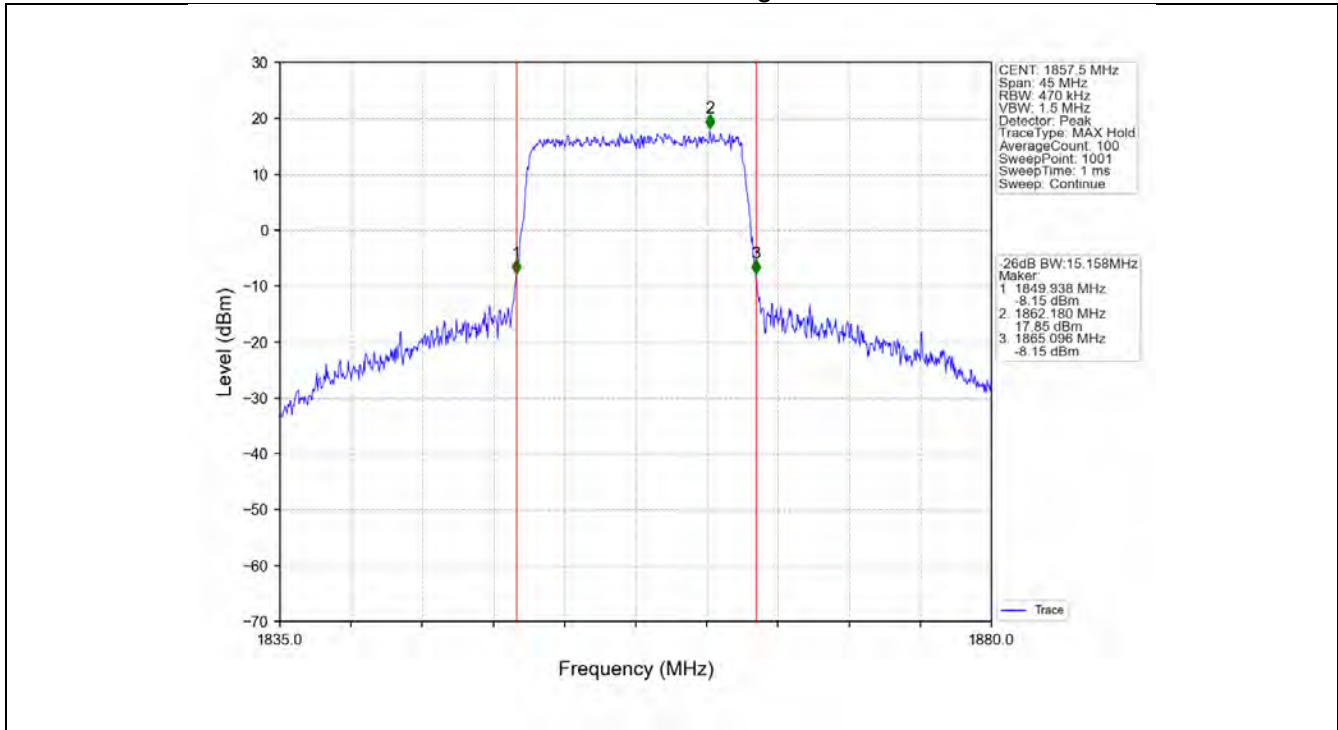
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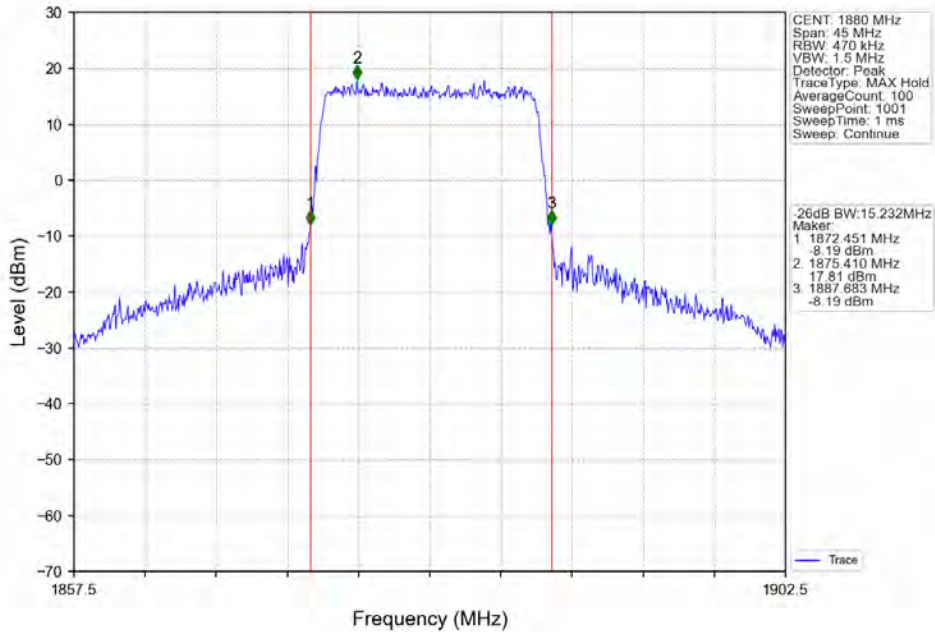
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Band2_15MHz_16QAM_HCH_1902.5MHz_RB_75_0_NTNV



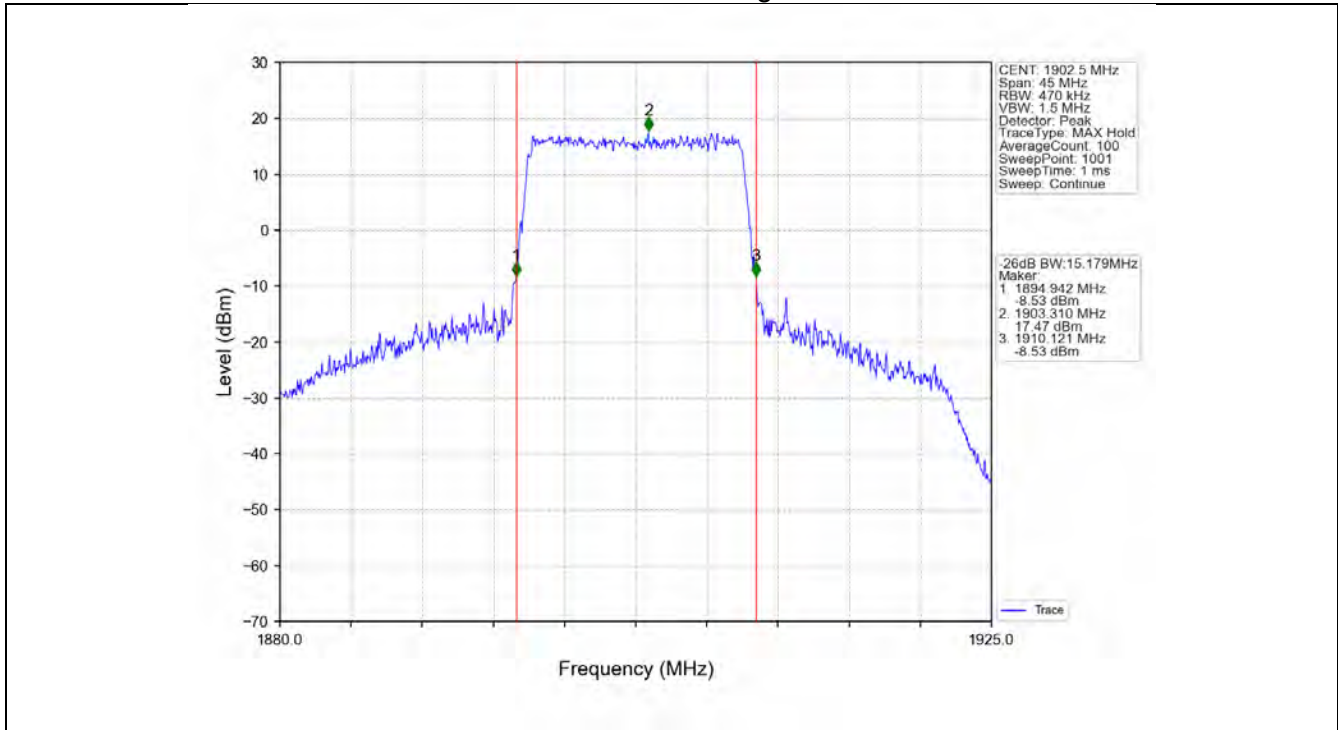
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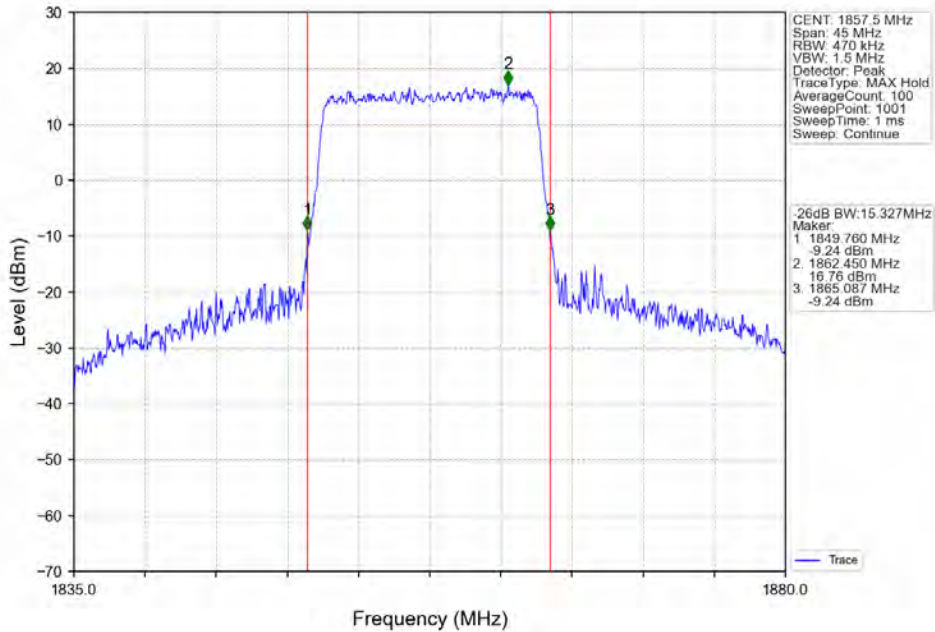


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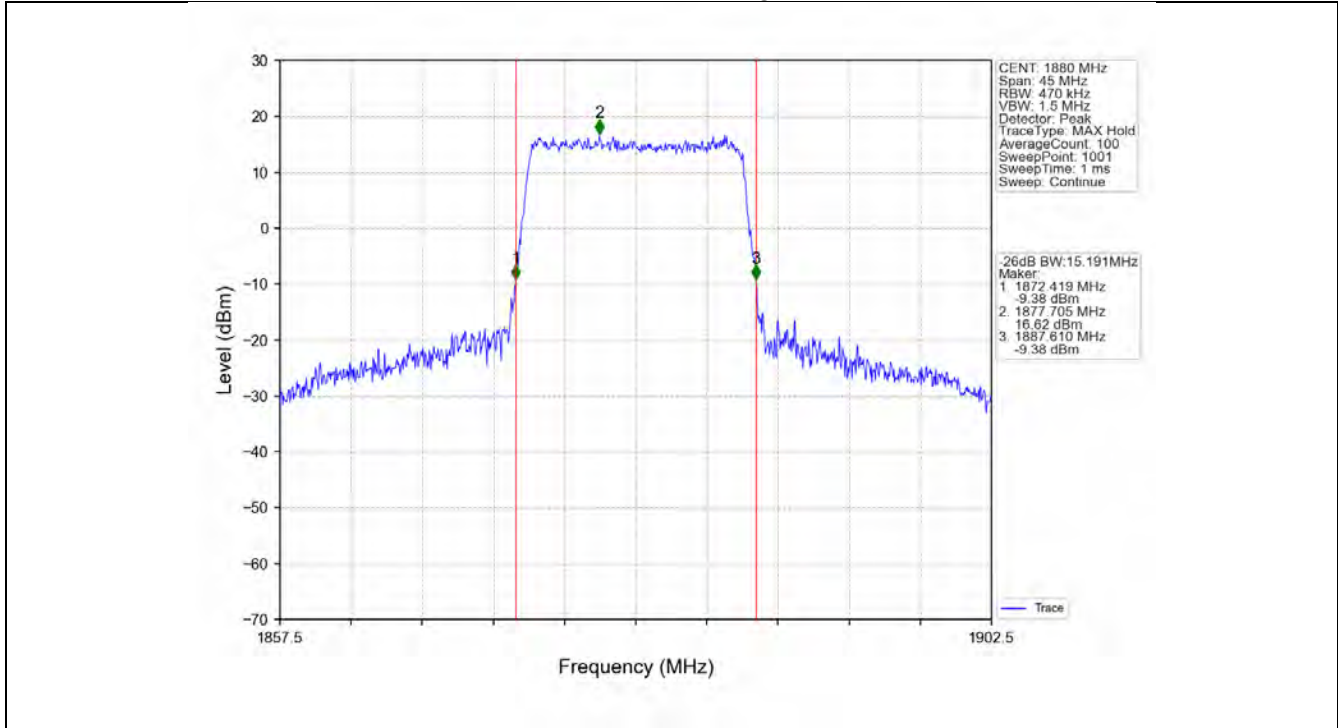
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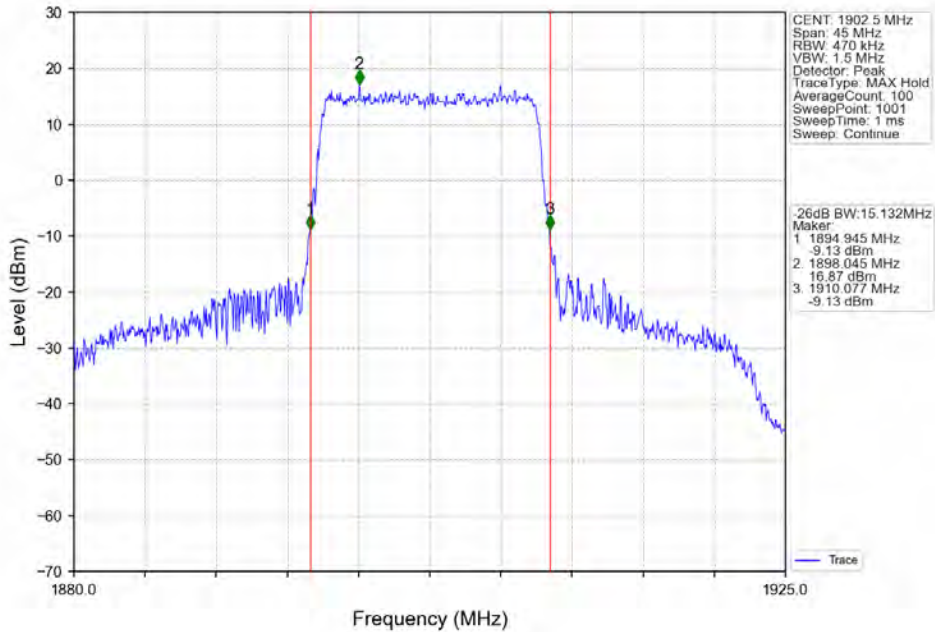


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Band2_15MHz_64QAM_HCH_1902.5MHz_RB_75_0_NTNV



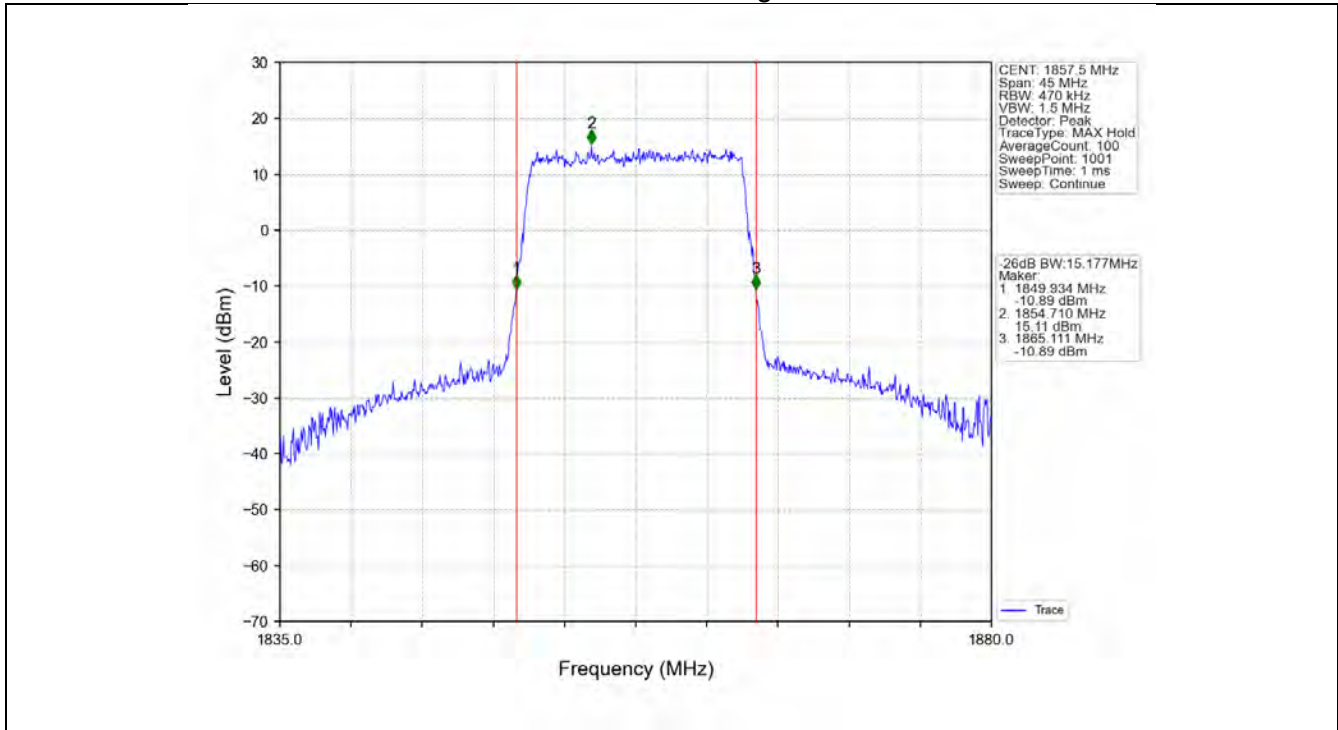
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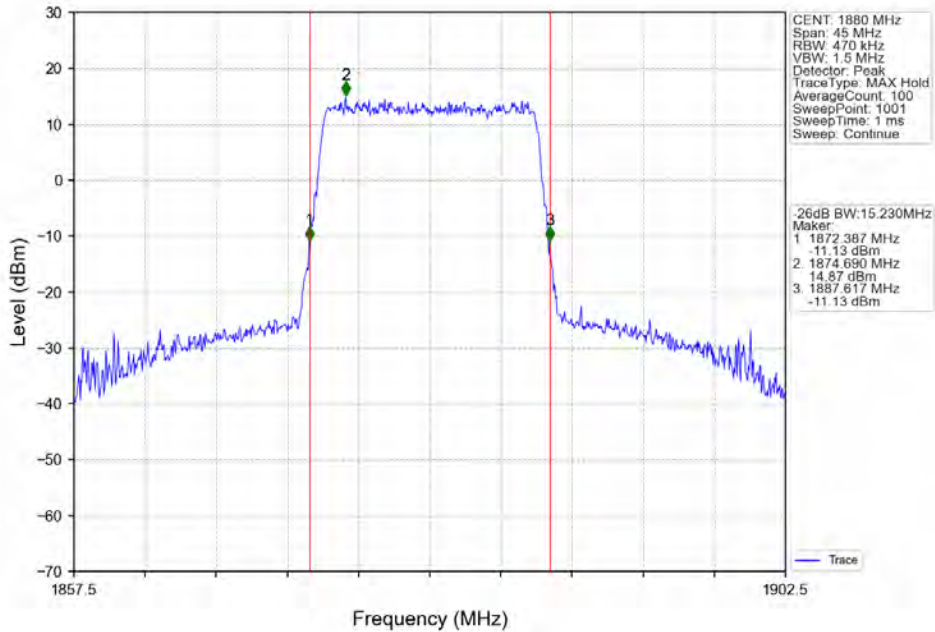
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Report No.: SUCR240400009001

Rev.: 01

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Band2_15MHz_256QAM_MCH_1880MHz_RB_75_0_NTNV



Band2_15MHz_256QAM_HCH_1902.5MHz_RB_75_0_NTNV

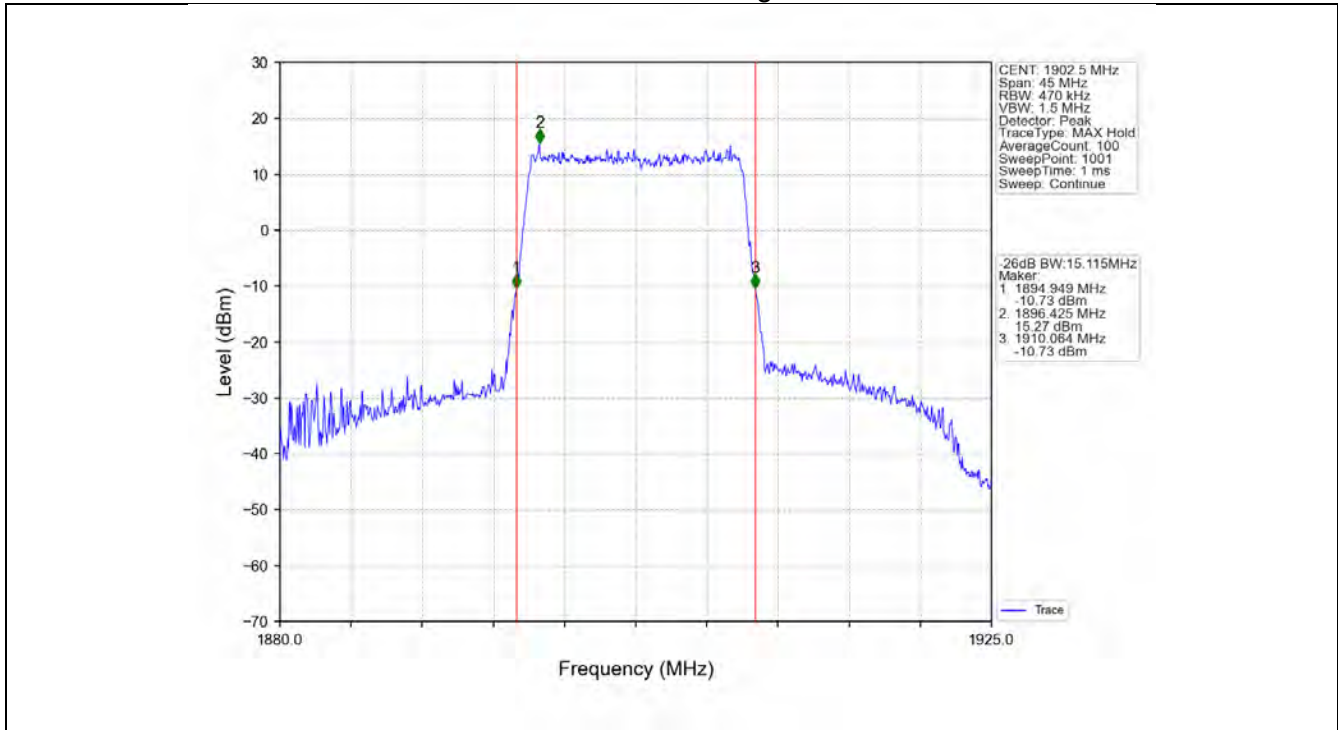


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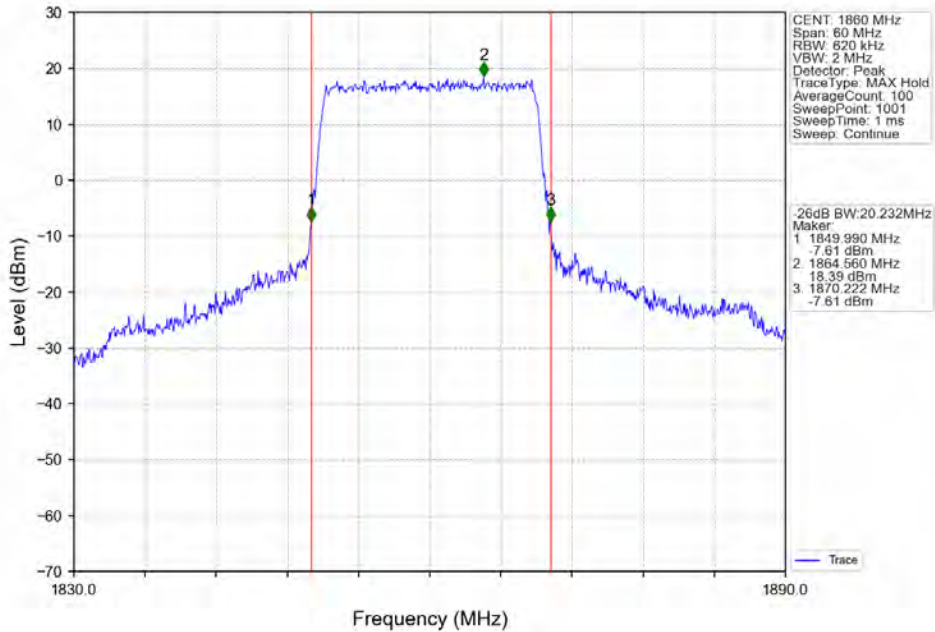


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Band2_20MHz_QPSK_LCH_1860MHz_RB_100_0_NTNV



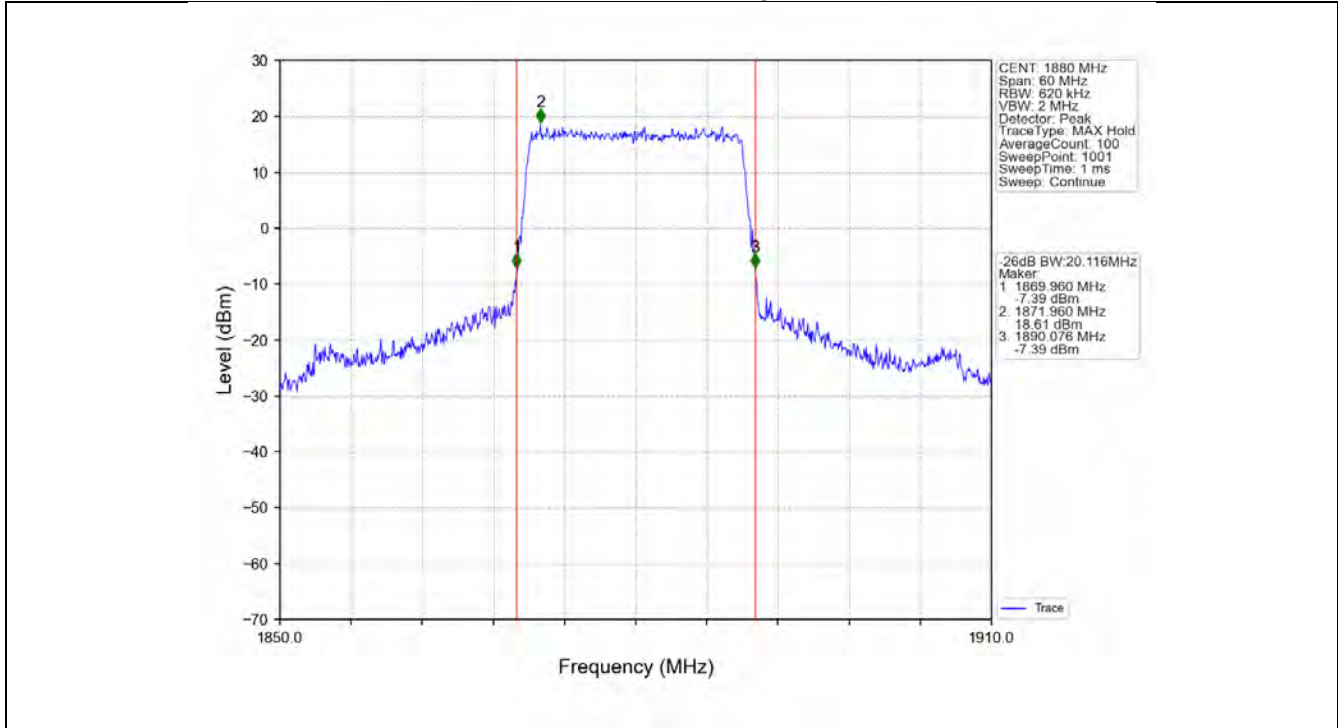
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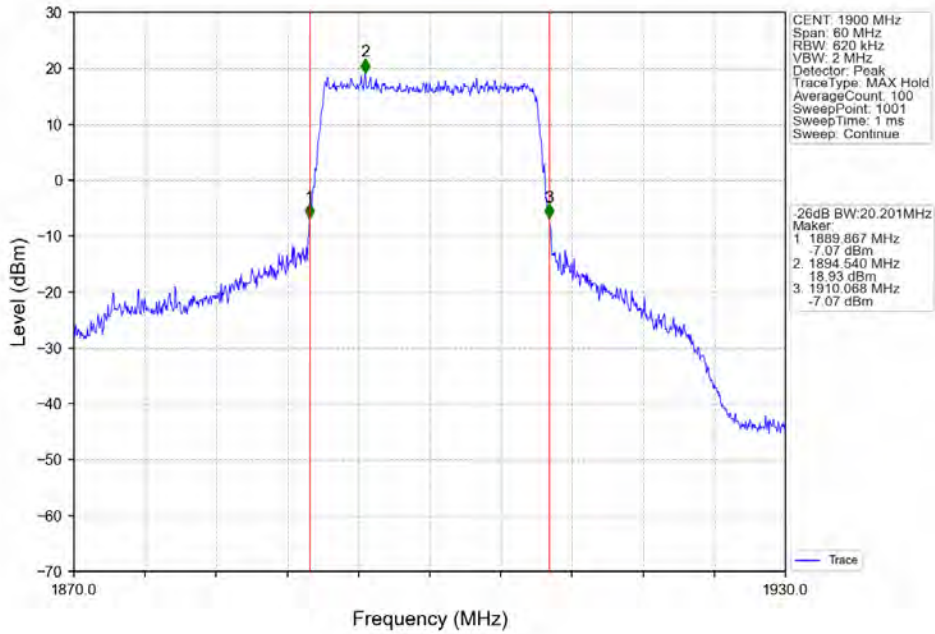


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Band2_20MHz_QPSK_HCH_1900MHz_RB_100_0_NTNV



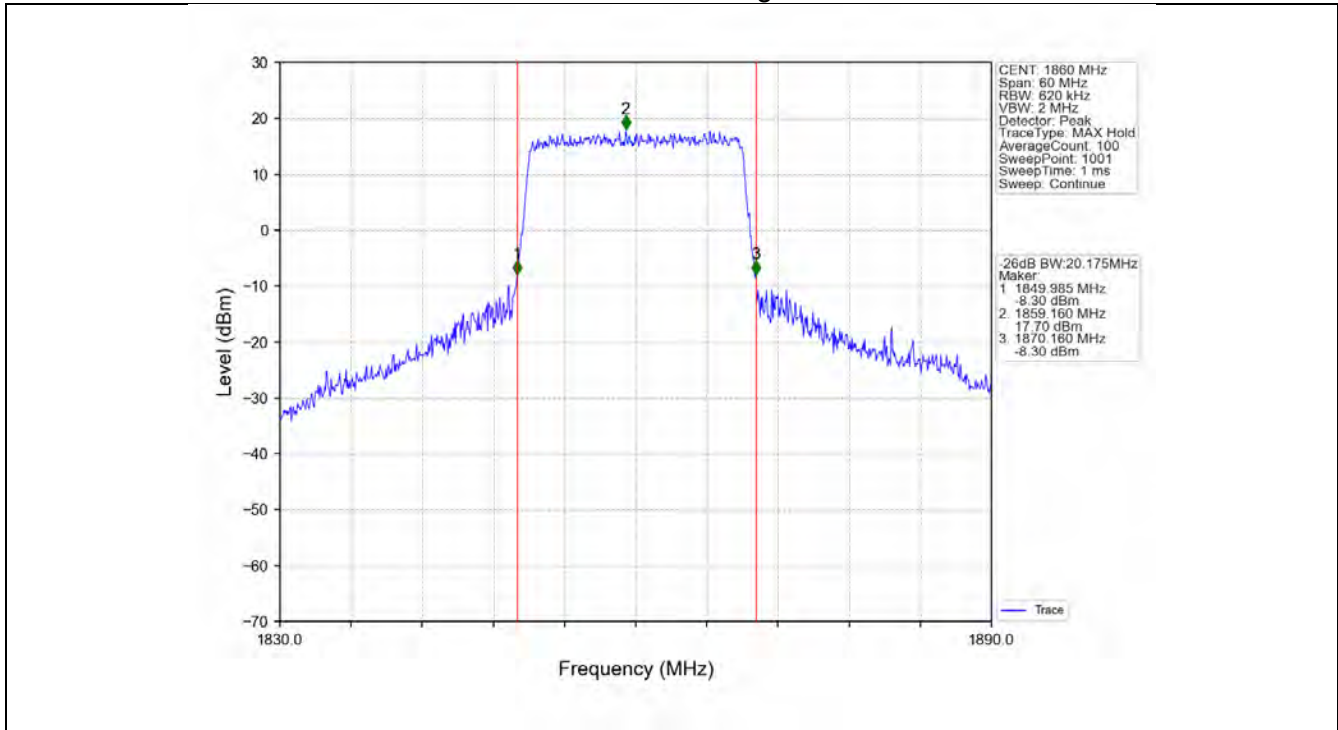
Band2_20MHz_16QAM_LCH_1860MHz_RB_100_0_NTNV



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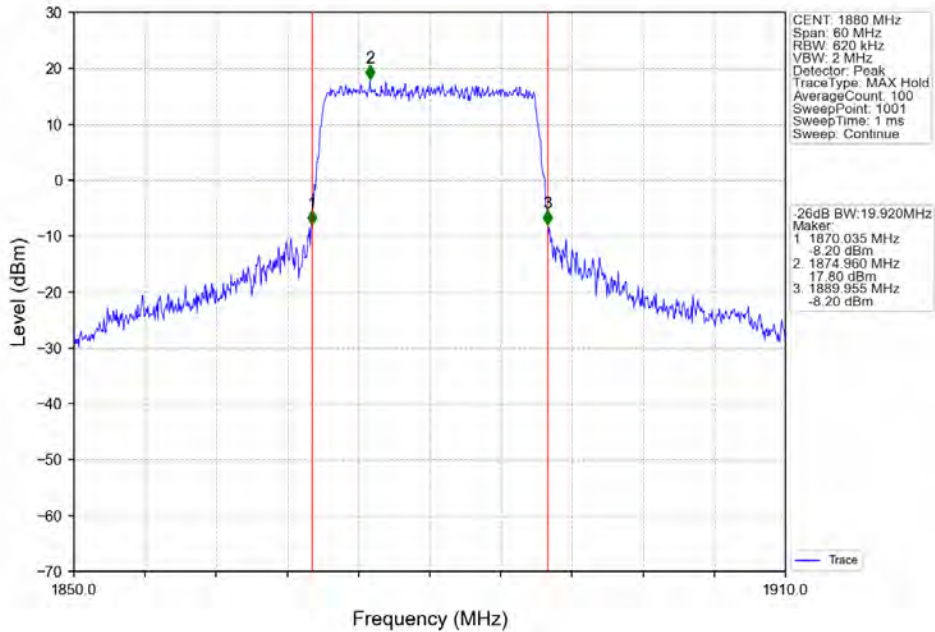


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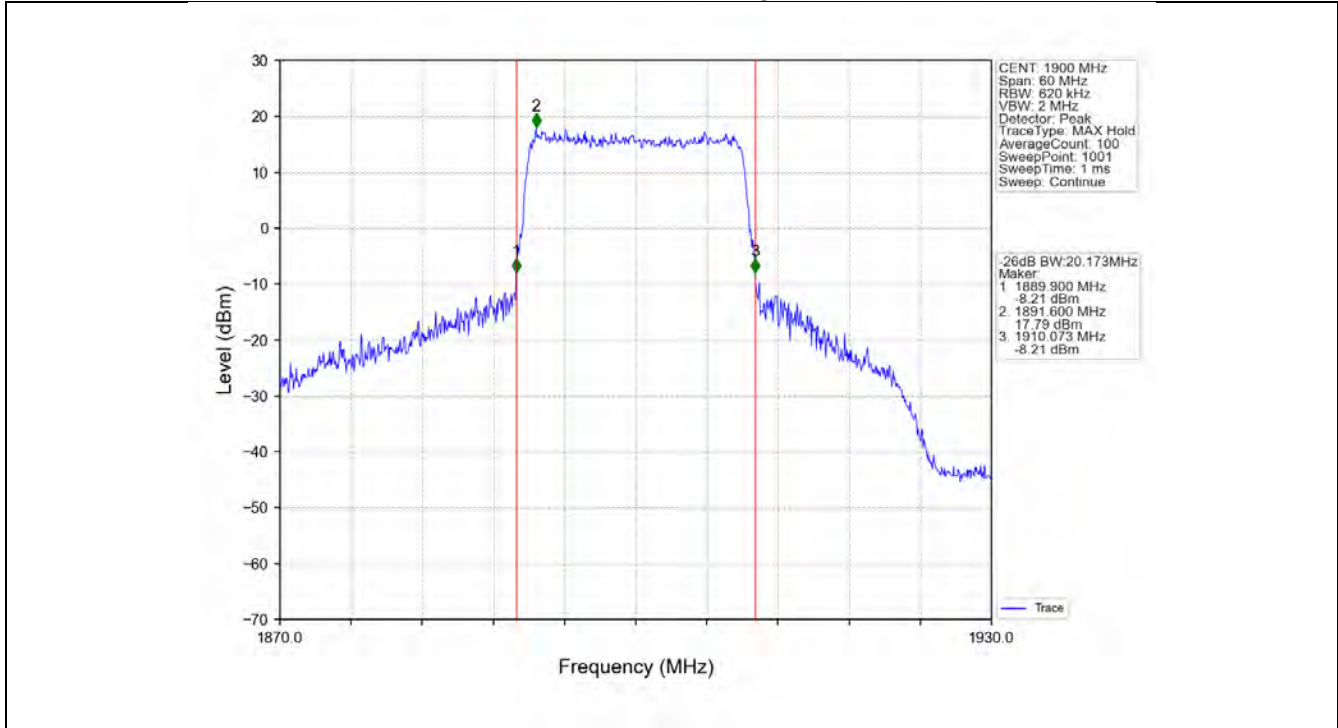
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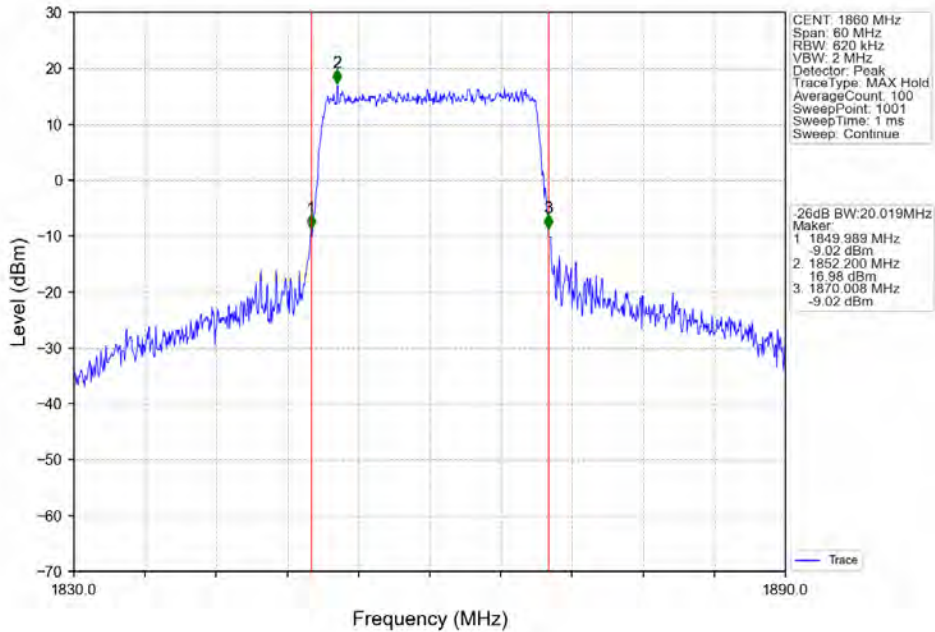


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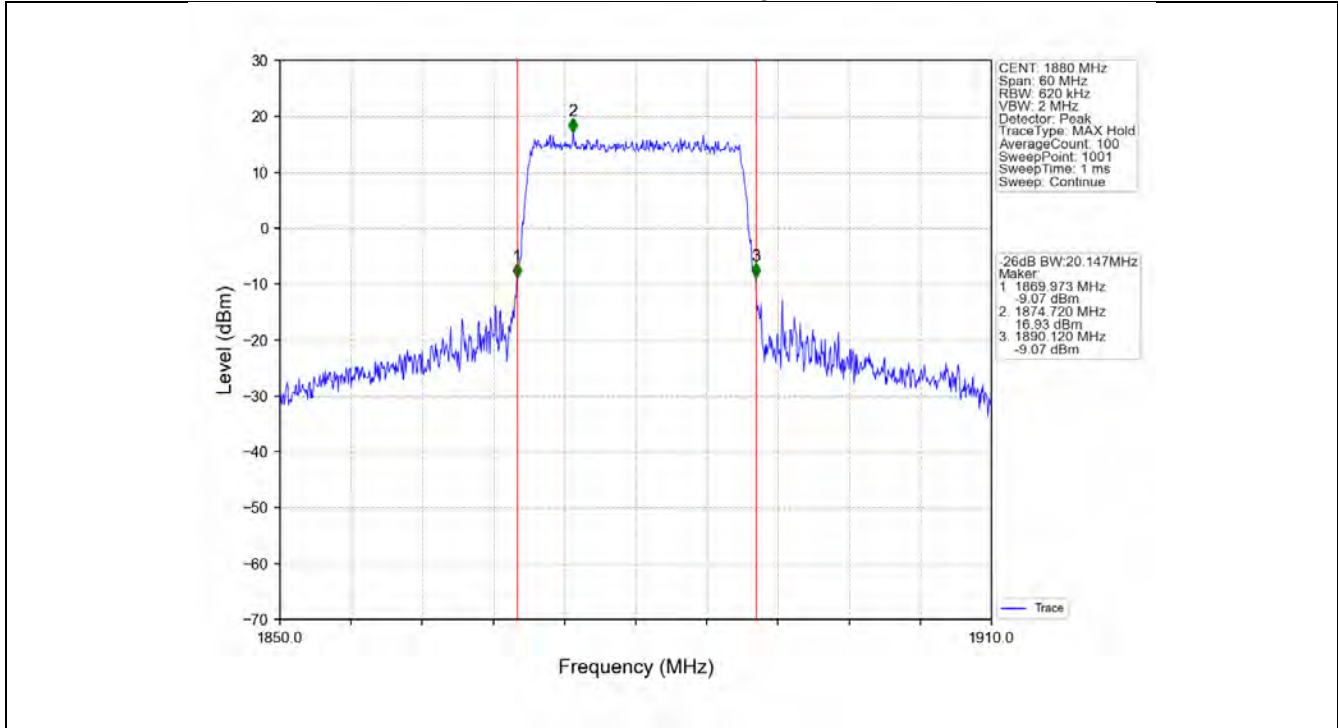
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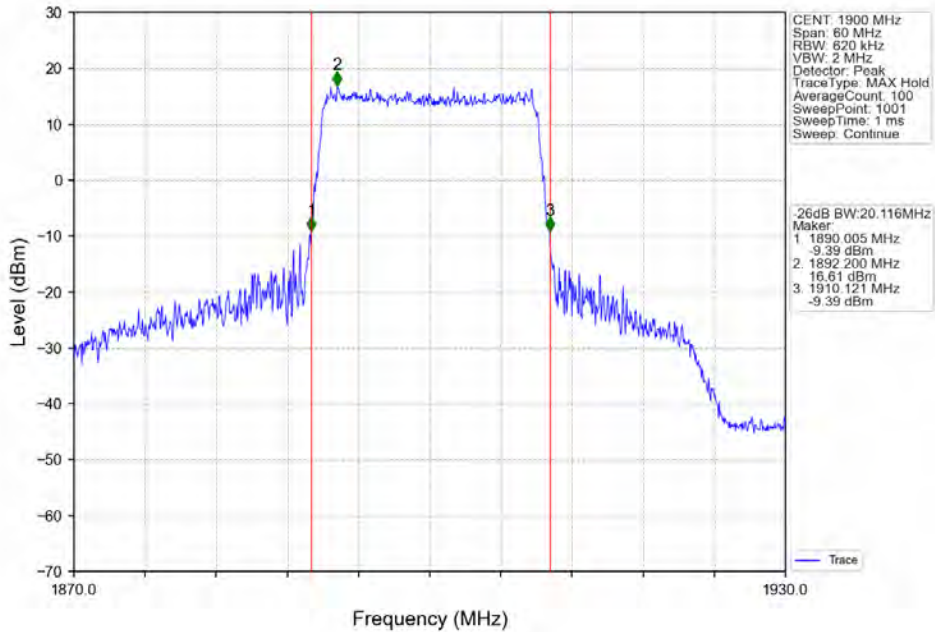


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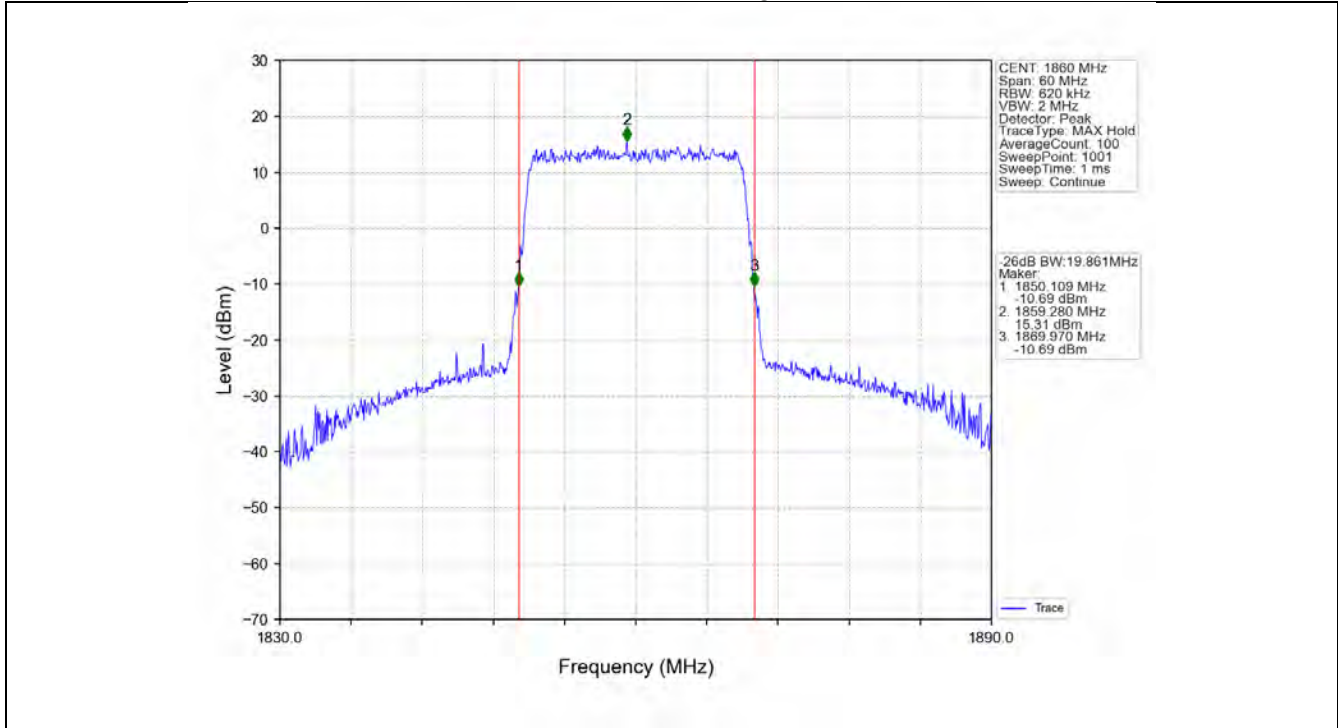
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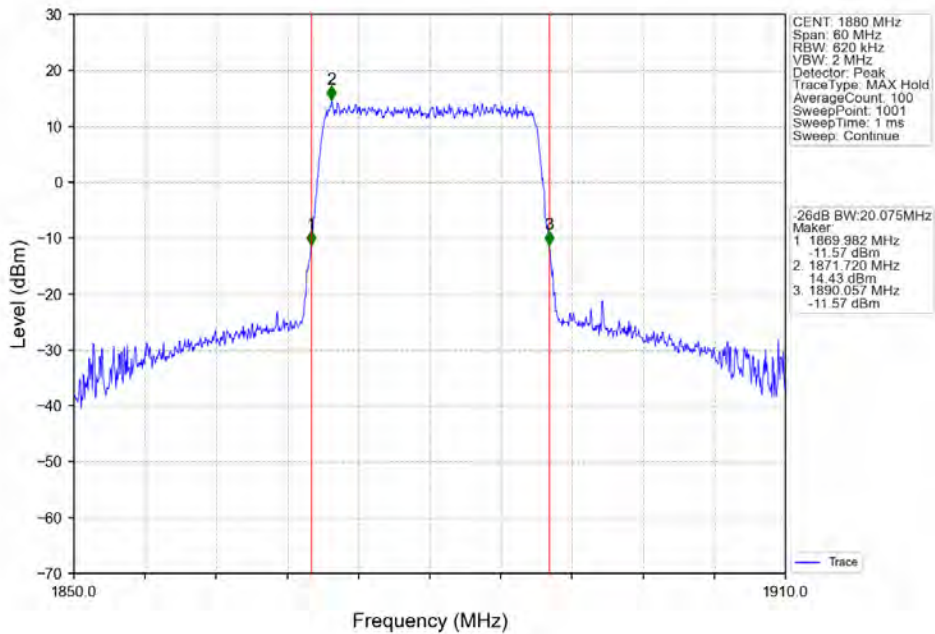


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Band2_20MHz_256QAM_MCH_1880MHz_RB_100_0_NTNV



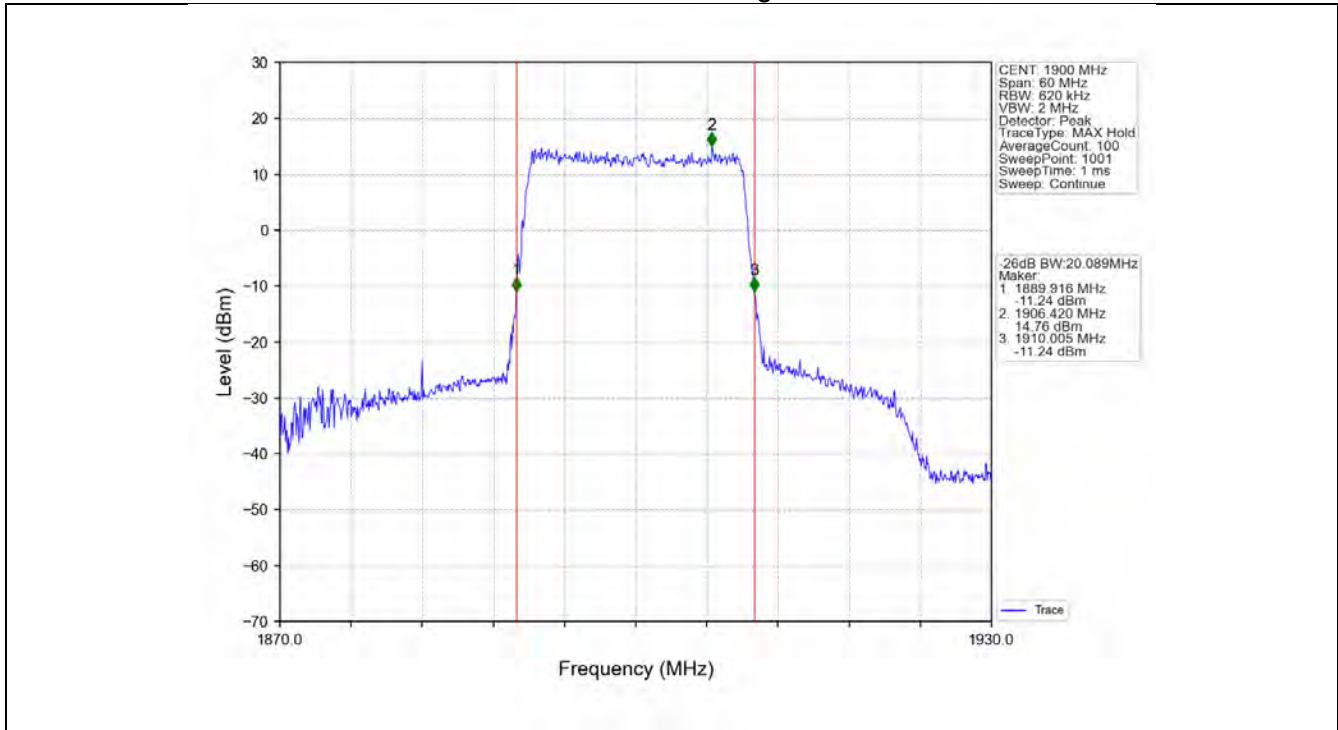
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5. Peak-Average Ratio

5.1 B2_1.4MHz

5.1.1 Test Result

Band: 2 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1850.7	6	0	4.85	<=13	Pass
	1880	6	0	4.74	<=13	Pass
	1909.3	6	0	4.63	<=13	Pass
16QAM	1850.7	6	0	5.79	<=13	Pass
	1880	6	0	5.71	<=13	Pass
	1909.3	6	0	5.61	<=13	Pass
64QAM	1850.7	6	0	6.45	<=13	Pass
	1880	6	0	6.37	<=13	Pass
	1909.3	6	0	7.57	<=13	Pass
256QAM	1850.7	6	0	6.89	<=13	Pass
	1880	6	0	6.88	<=13	Pass
	1909.3	6	0	6.82	<=13	Pass

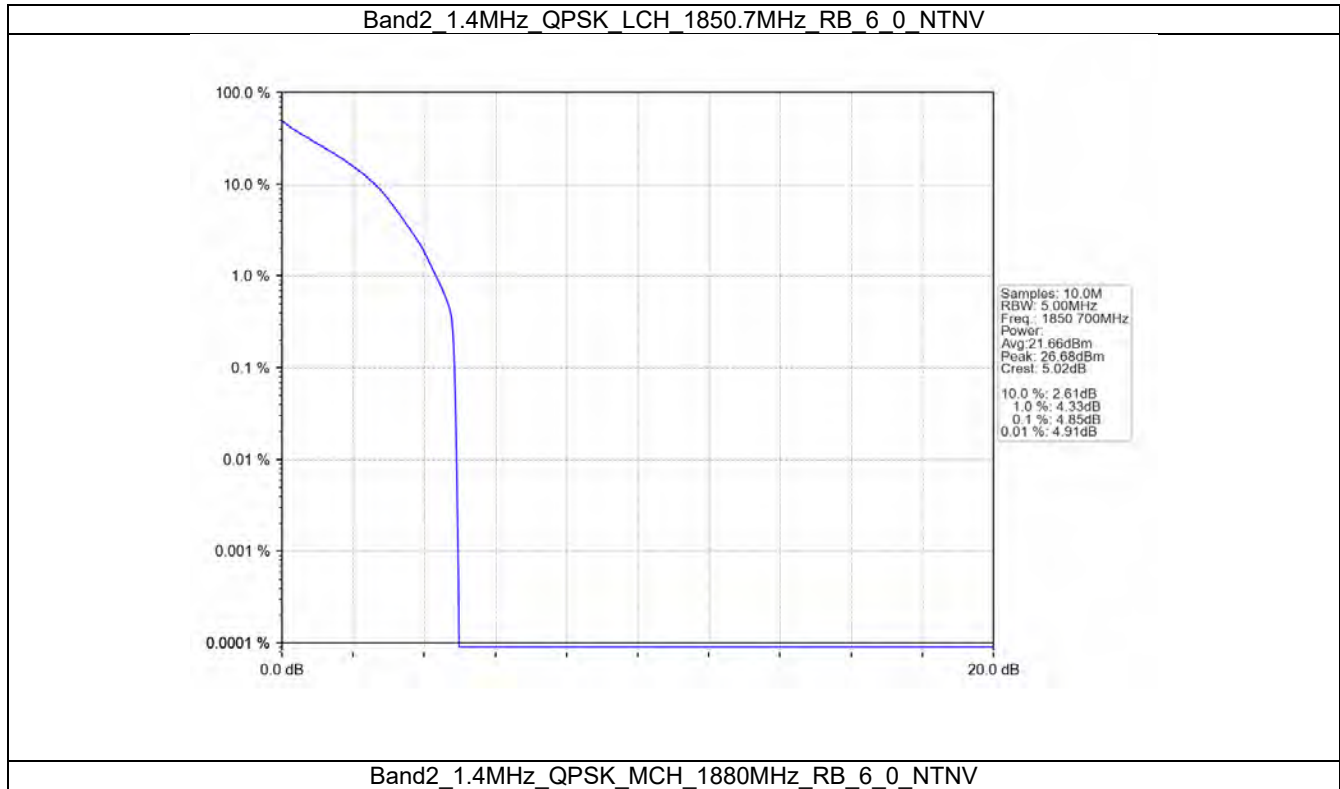


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5.1.2 Test Graph



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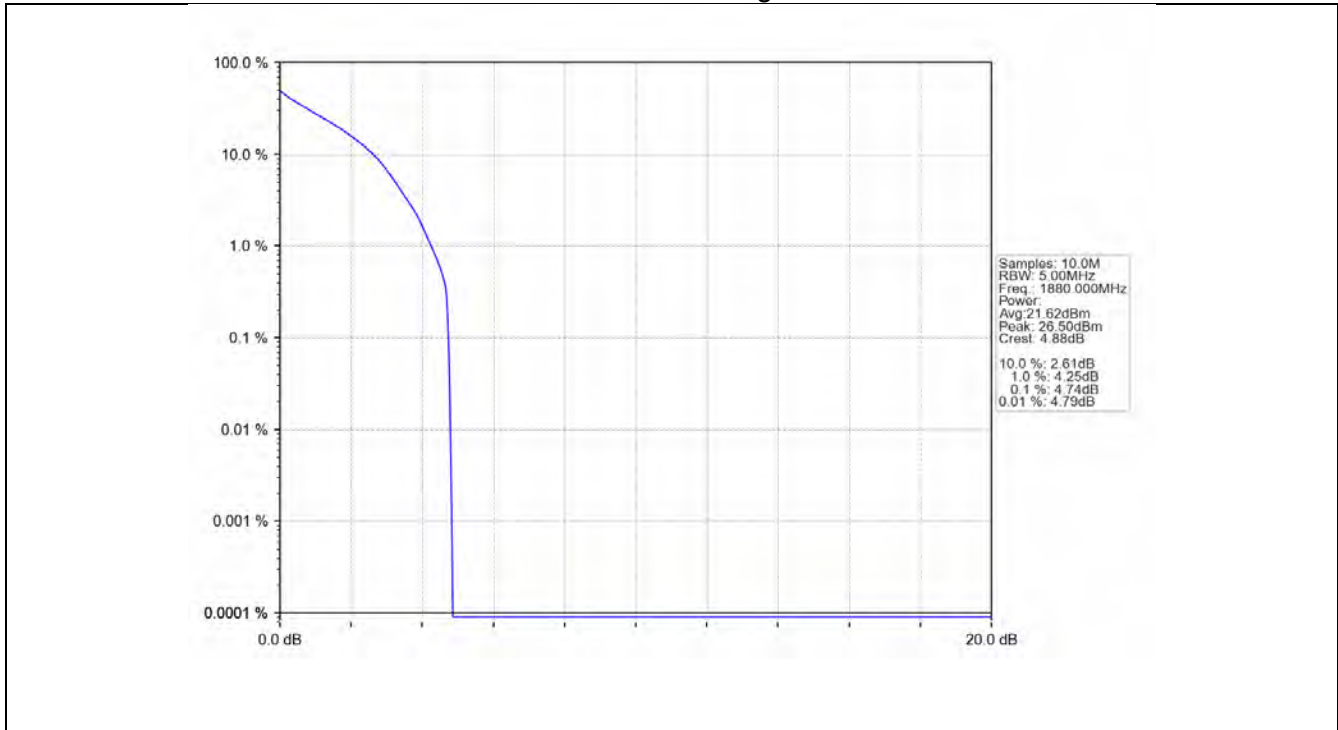
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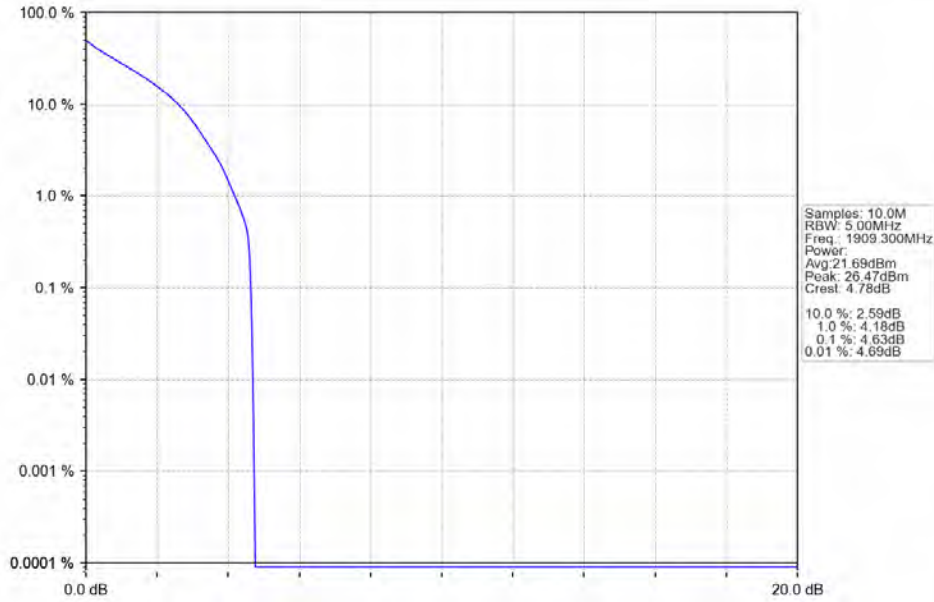


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Band2_1.4MHz_QPSK_HCH_1909.3MHz_RB_6_0_NTNV



Band2_1.4MHz_16QAM_LCH_1850.7MHz_RB_6_0_NTNV

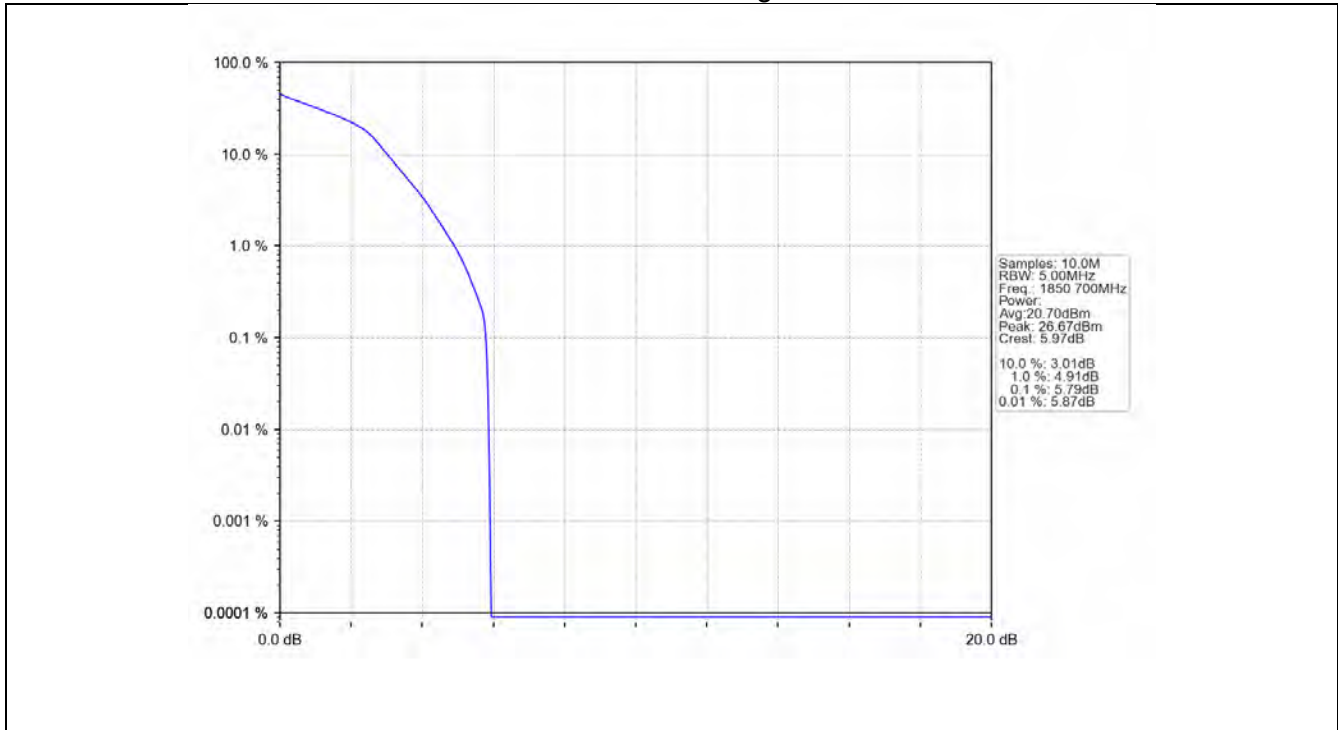


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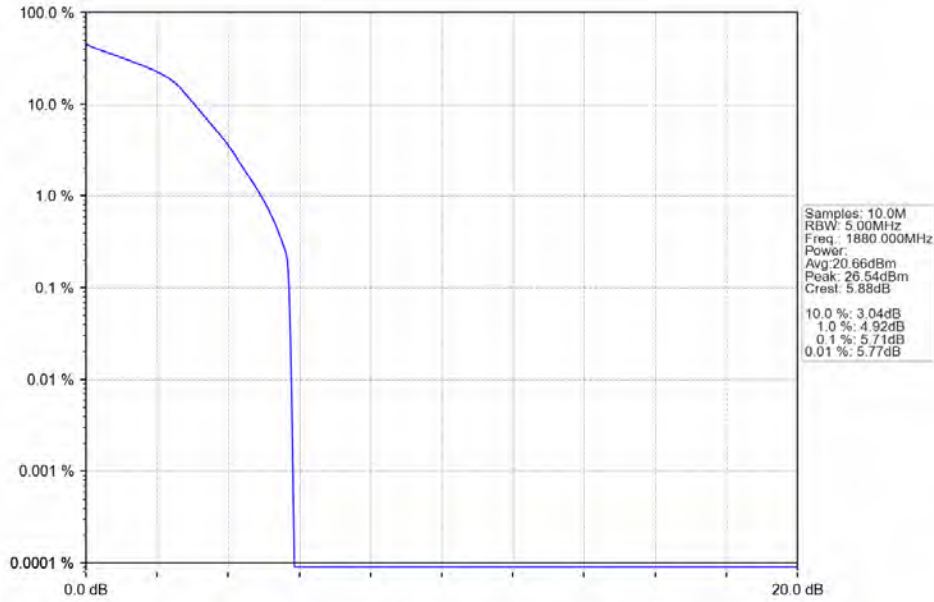


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Band2_1.4MHz_16QAM_MCH_1880MHz_RB_6_0_NTNV



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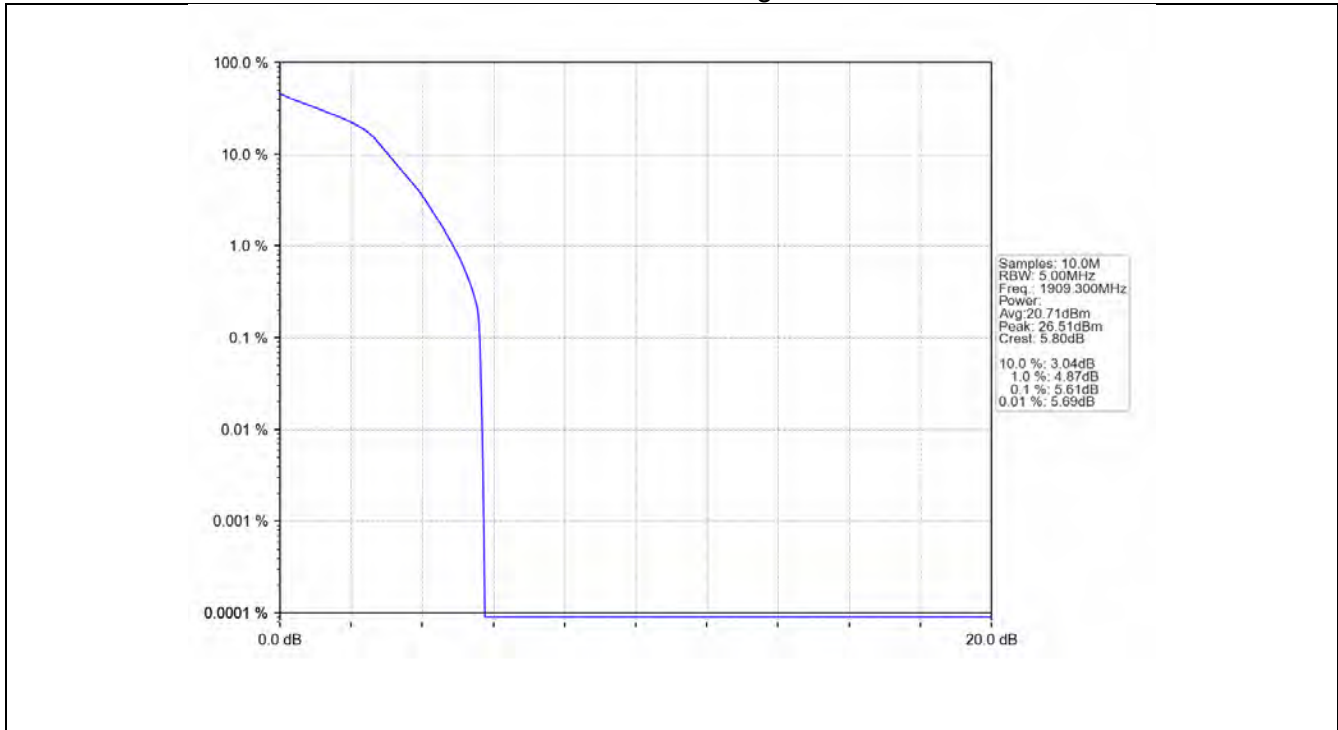


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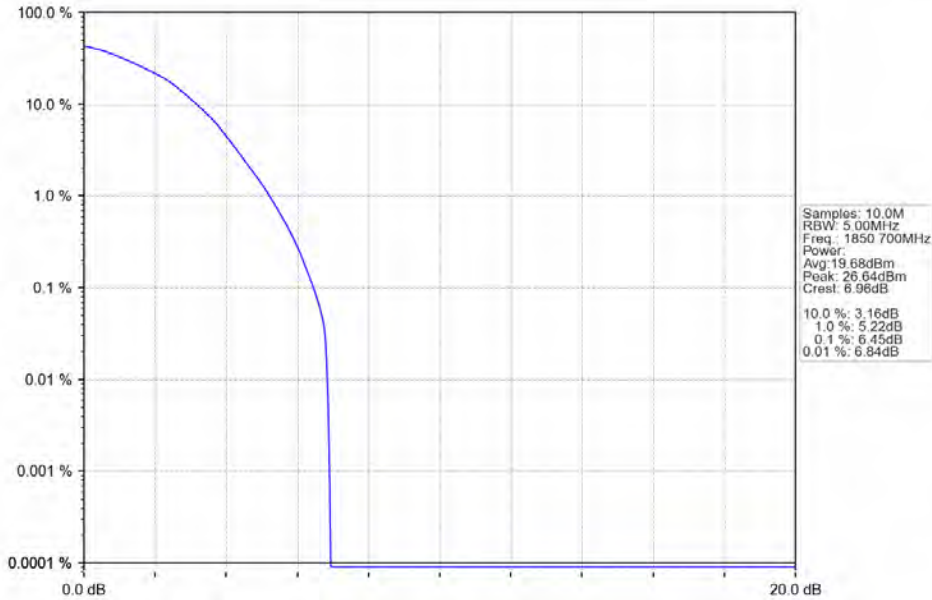


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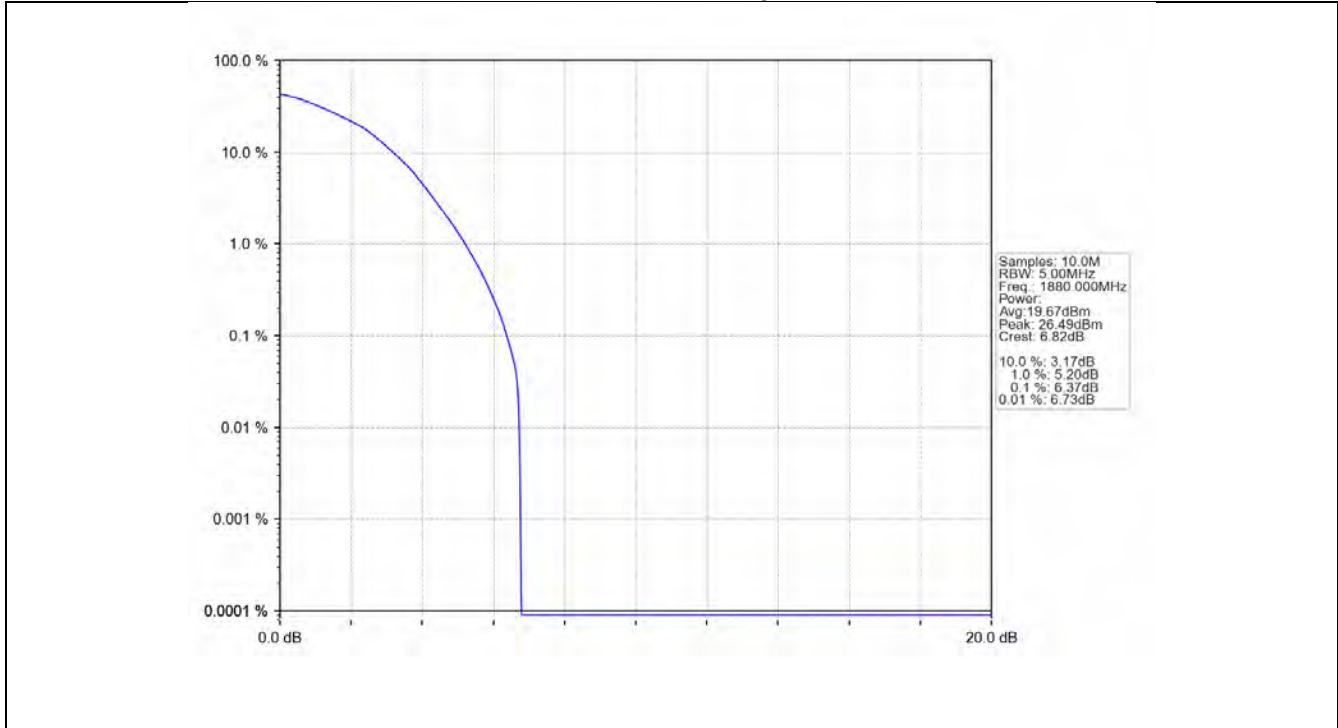


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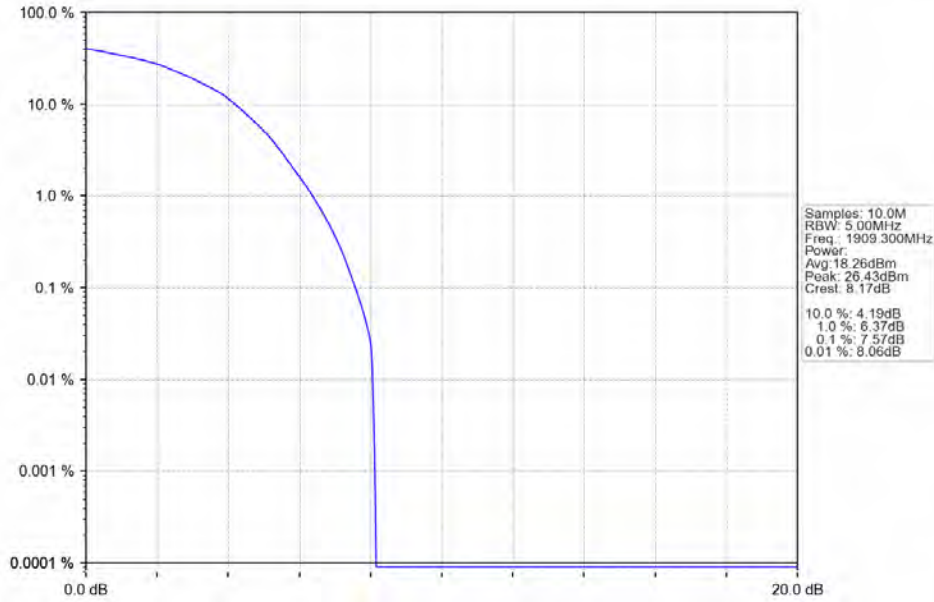


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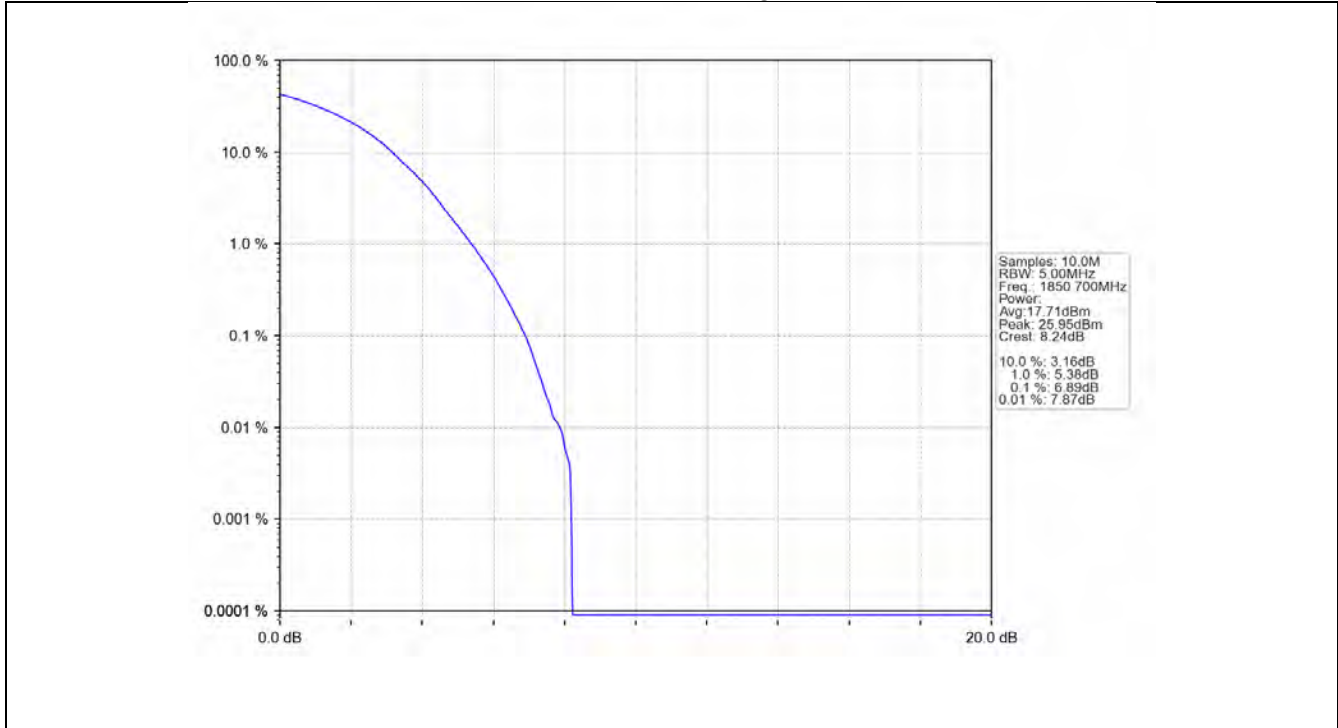
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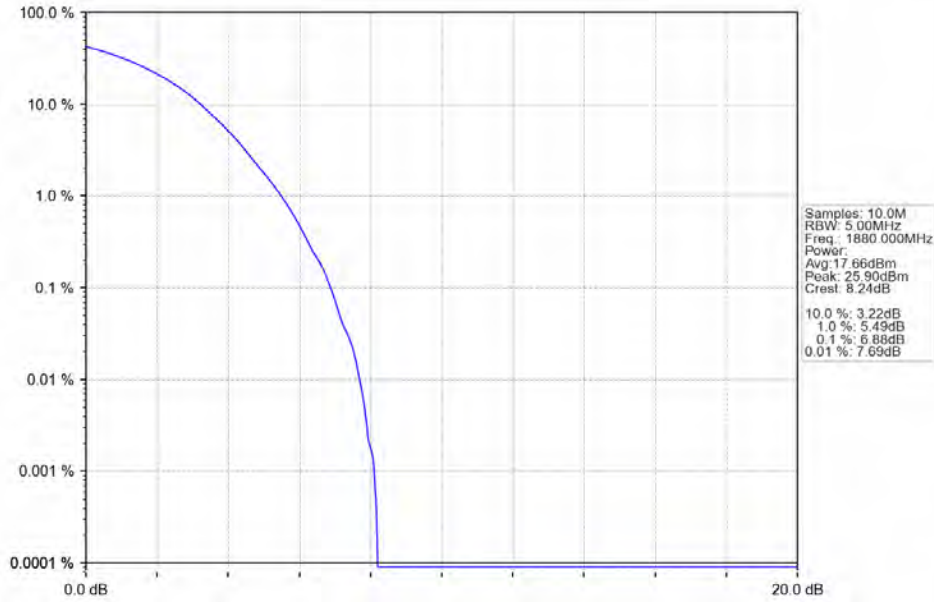


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Band2_1.4MHz_256QAM_MCH_1880MHz_RB_6_0_NTNV



Band2_1.4MHz_256QAM_HCH_1909.3MHz_RB_6_0_NTNV

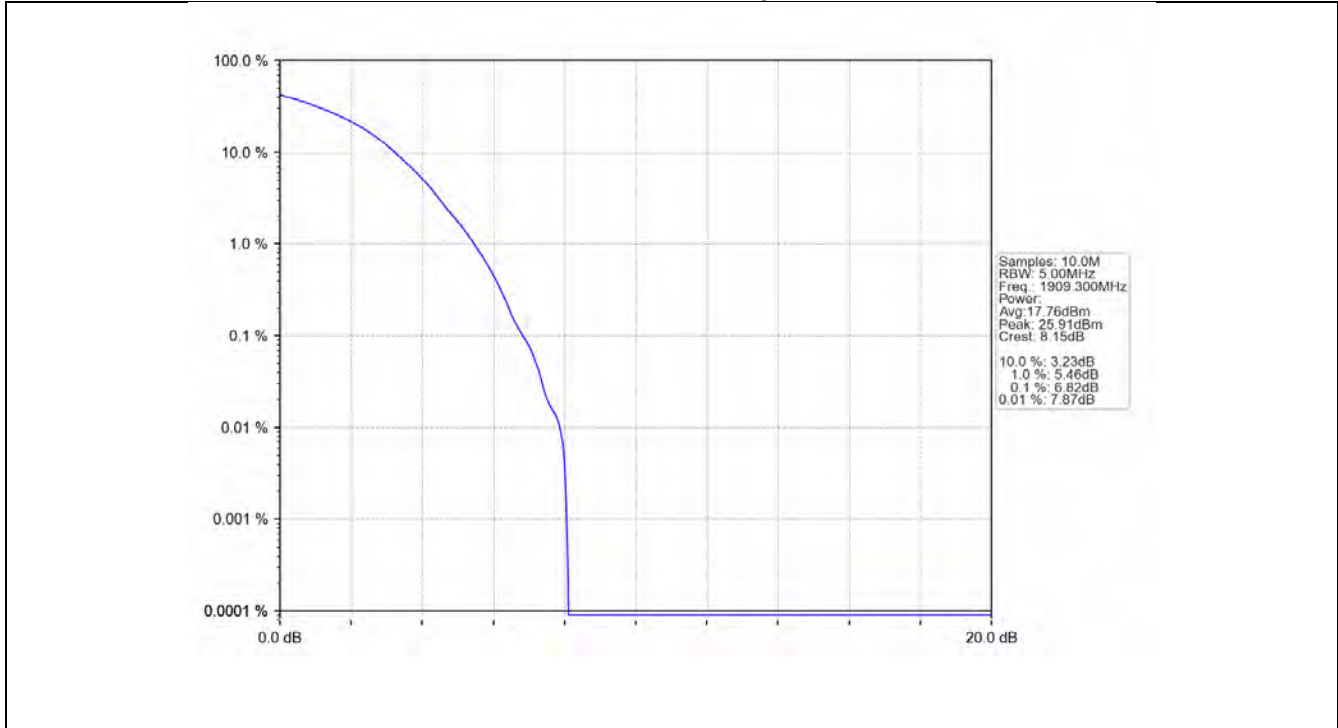


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5.2 B2_3MHz

5.2.1 Test Result

Band: 2 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1851.5	15	0	5.00	<=13	Pass
	1880	15	0	4.97	<=13	Pass
	1908.5	15	0	4.91	<=13	Pass
16QAM	1851.5	15	0	5.91	<=13	Pass
	1880	15	0	5.88	<=13	Pass
	1908.5	15	0	5.82	<=13	Pass
64QAM	1851.5	15	0	6.46	<=13	Pass
	1880	15	0	10.23	<=13	Pass
	1908.5	15	0	10.16	<=13	Pass
256QAM	1851.5	15	0	6.83	<=13	Pass
	1880	15	0	6.86	<=13	Pass
	1908.5	15	0	6.80	<=13	Pass

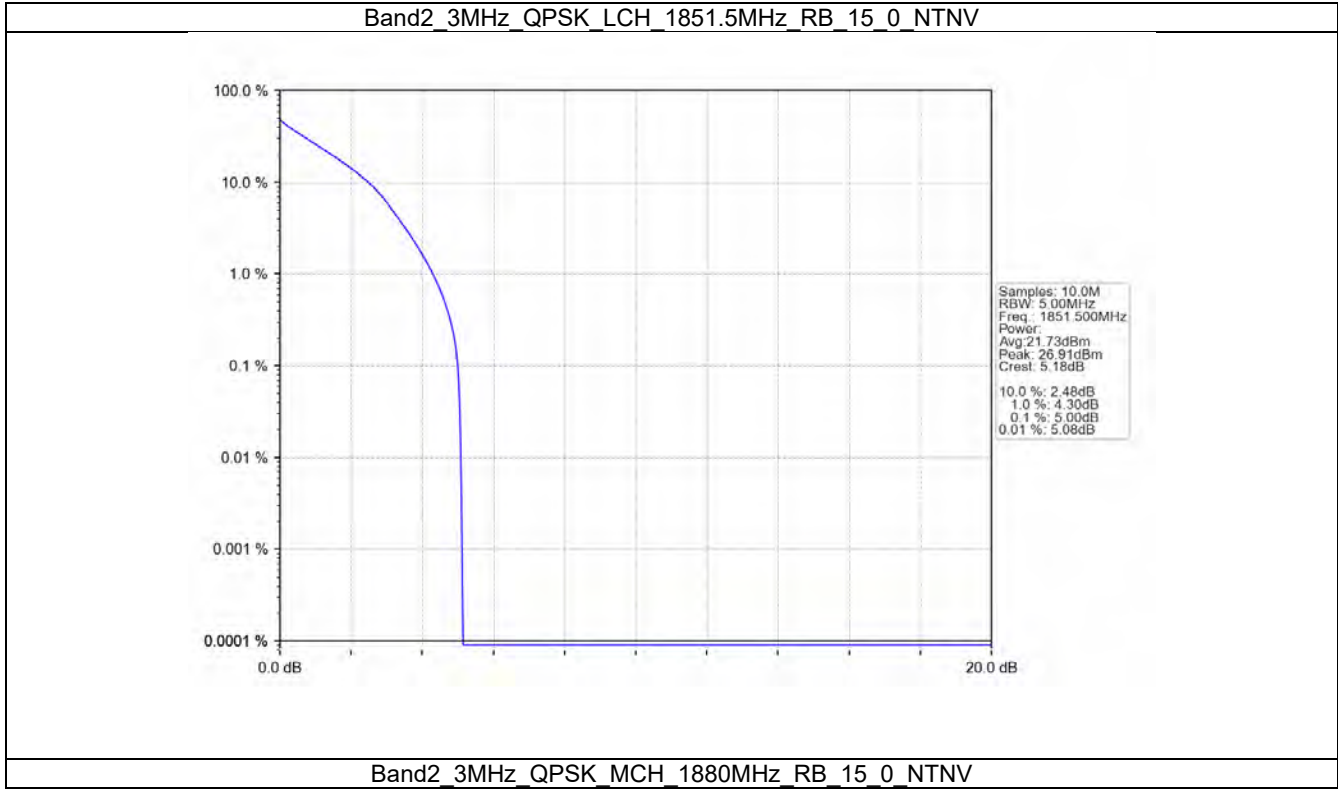


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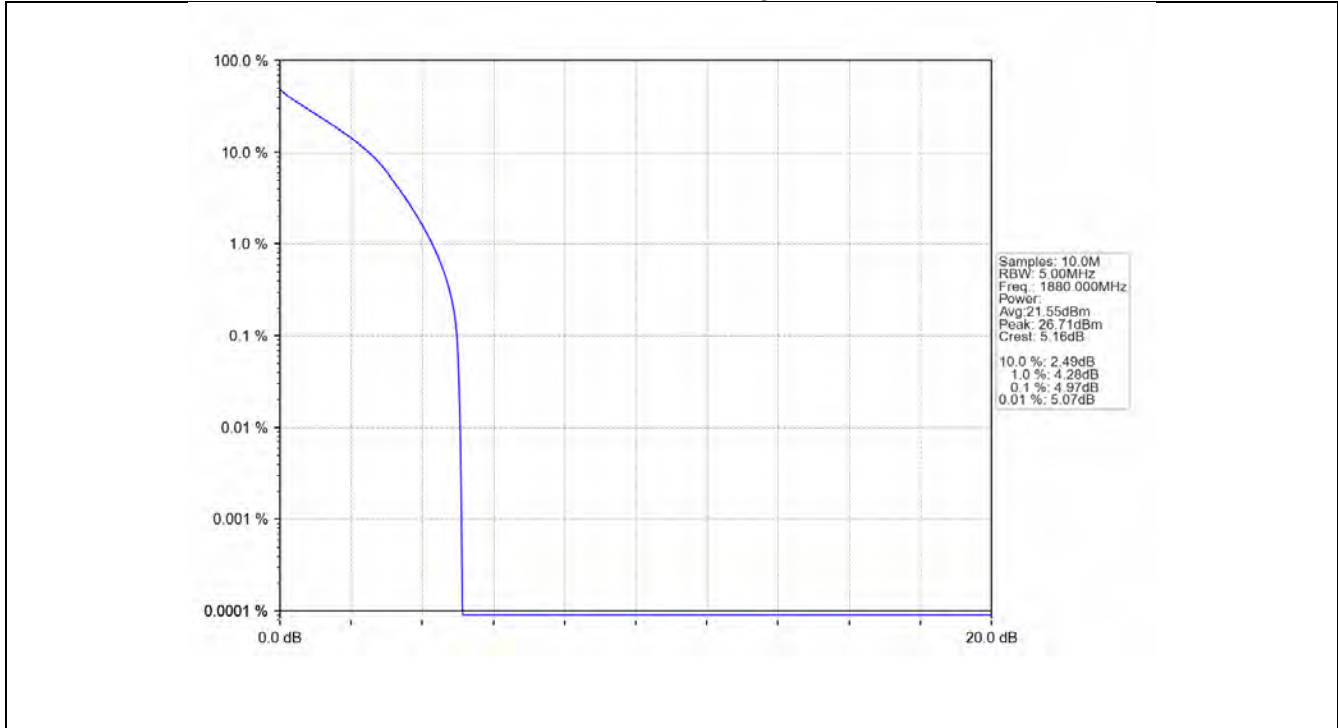
5.2.2 Test Graph



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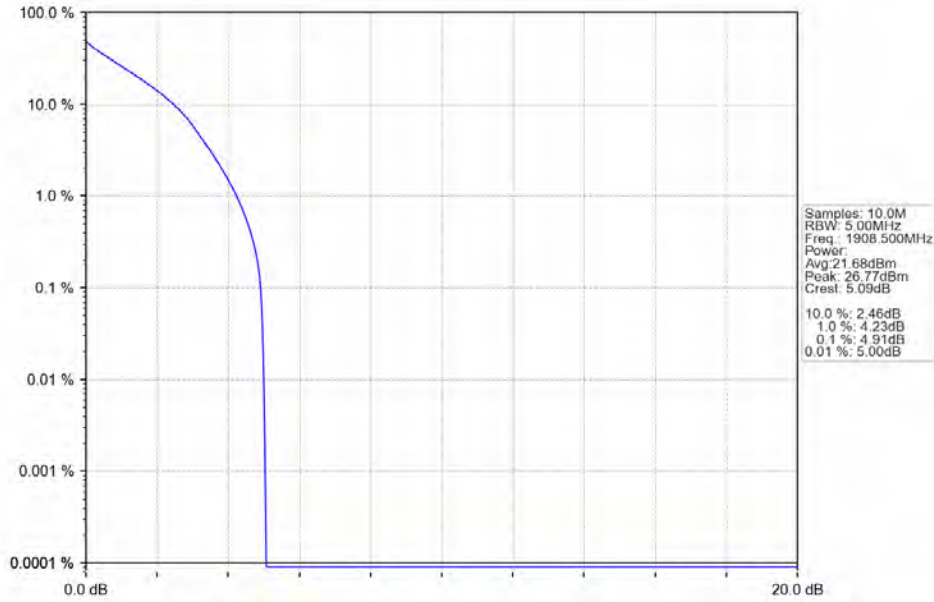


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Band2_3MHz_QPSK_HCH_1908.5MHz_RB_15_0_NTNV



Band2_3MHz_16QAM_LCH_1851.5MHz_RB_15_0_NTNV

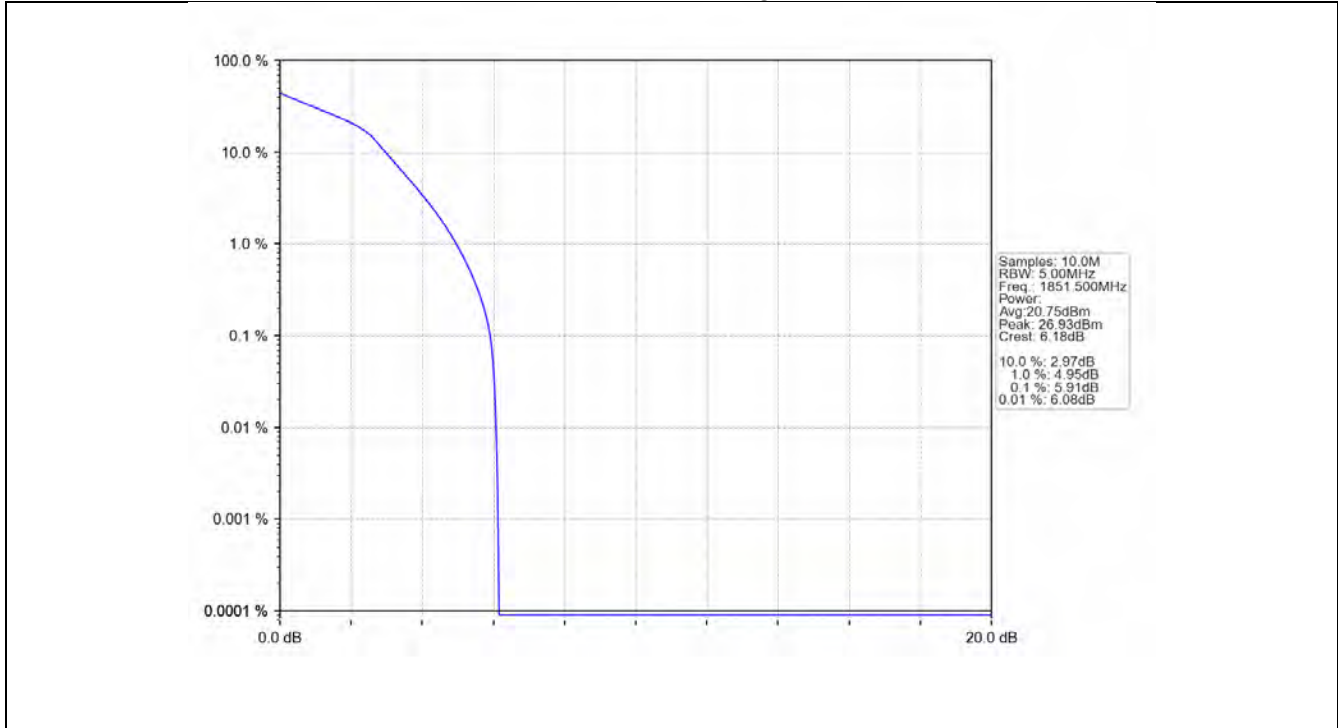


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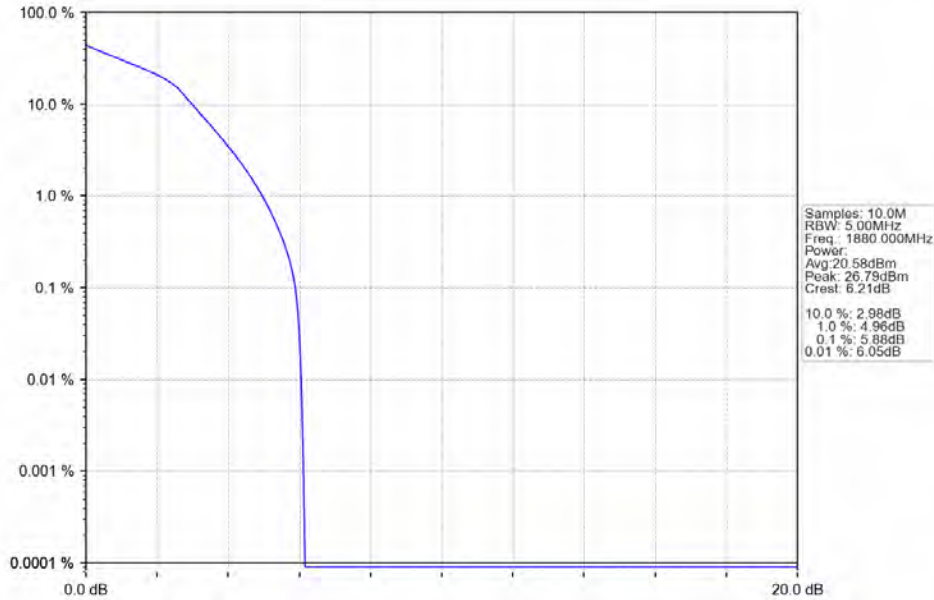


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Band2_3MHz_16QAM_MCH_1880MHz_RB_15_0_NTNV



Band2_3MHz_16QAM_HCH_1908.5MHz_RB_15_0_NTNV



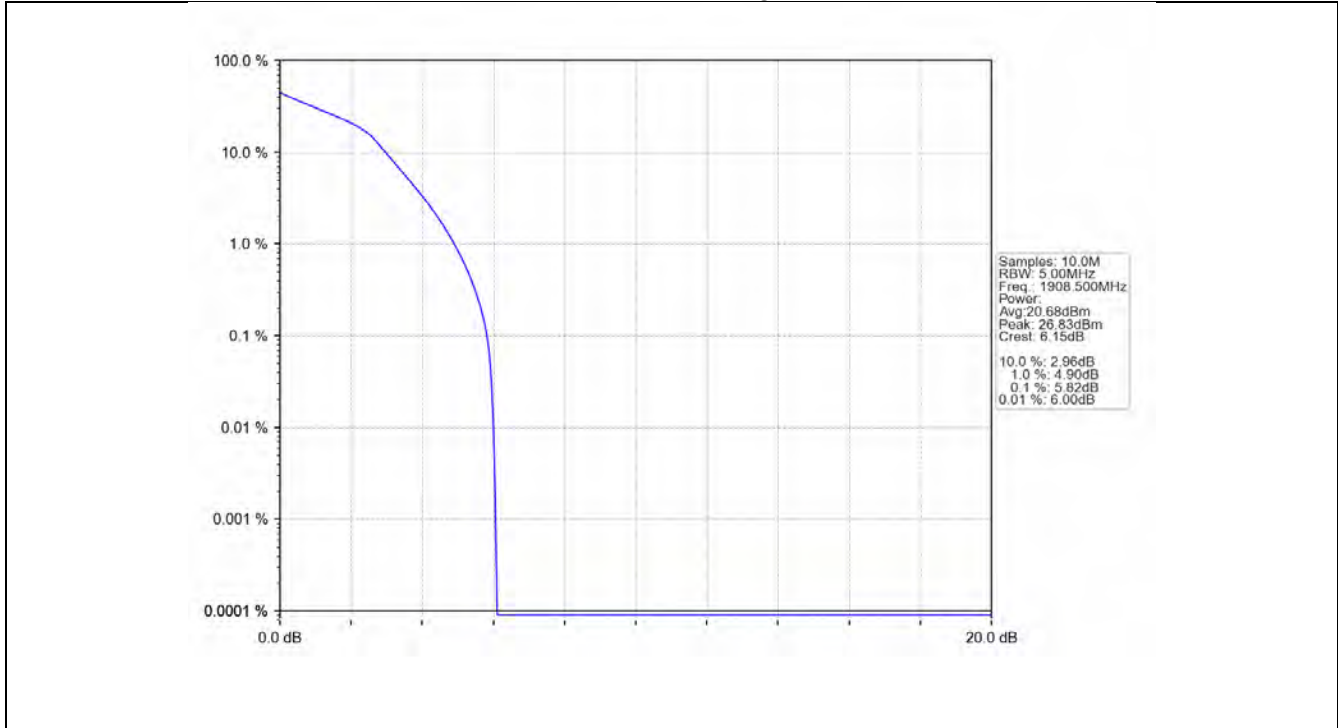
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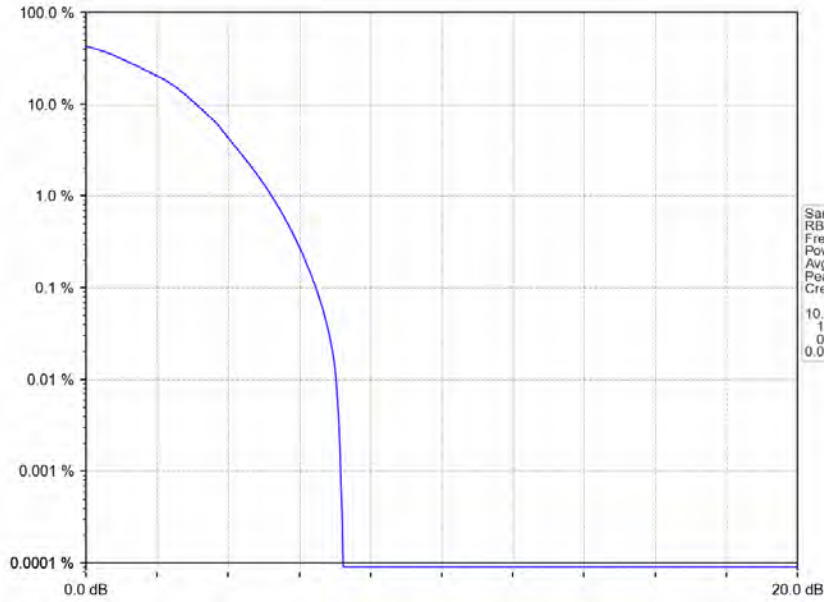


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Band2_3MHz_64QAM_LCH_1851.5MHz_RB_15_0_NTNV



Band2_3MHz_64QAM_MCH_1880MHz_RB_15_0_NTNV



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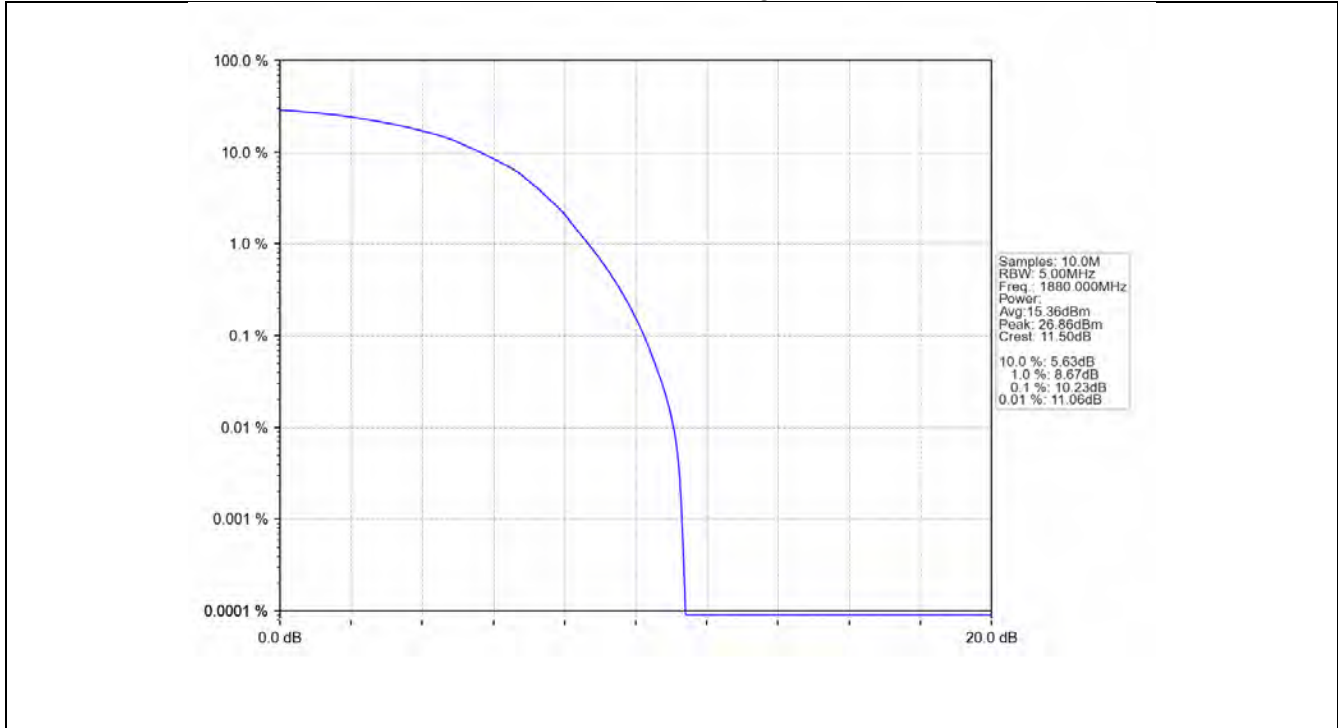
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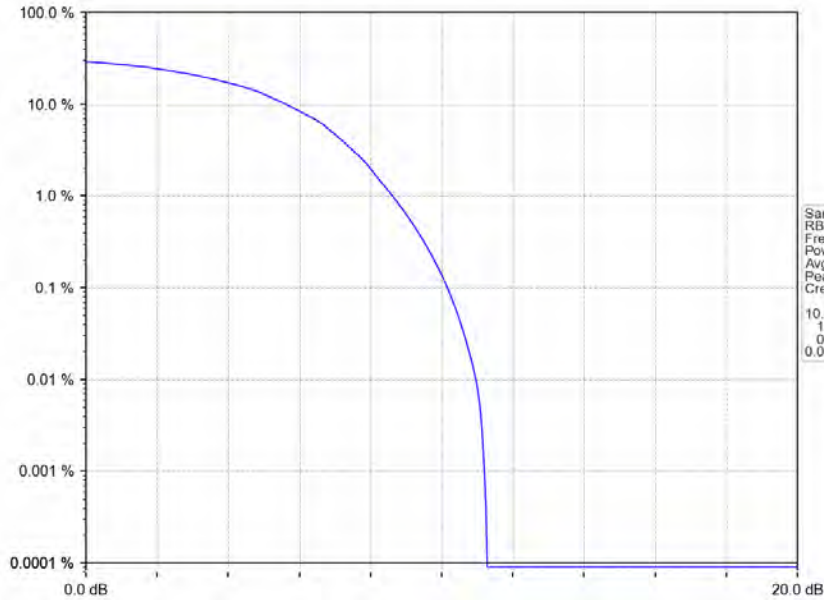


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Band2_3MHz_256QAM_LCH_1851.5MHz_RB_15_0_NTNV



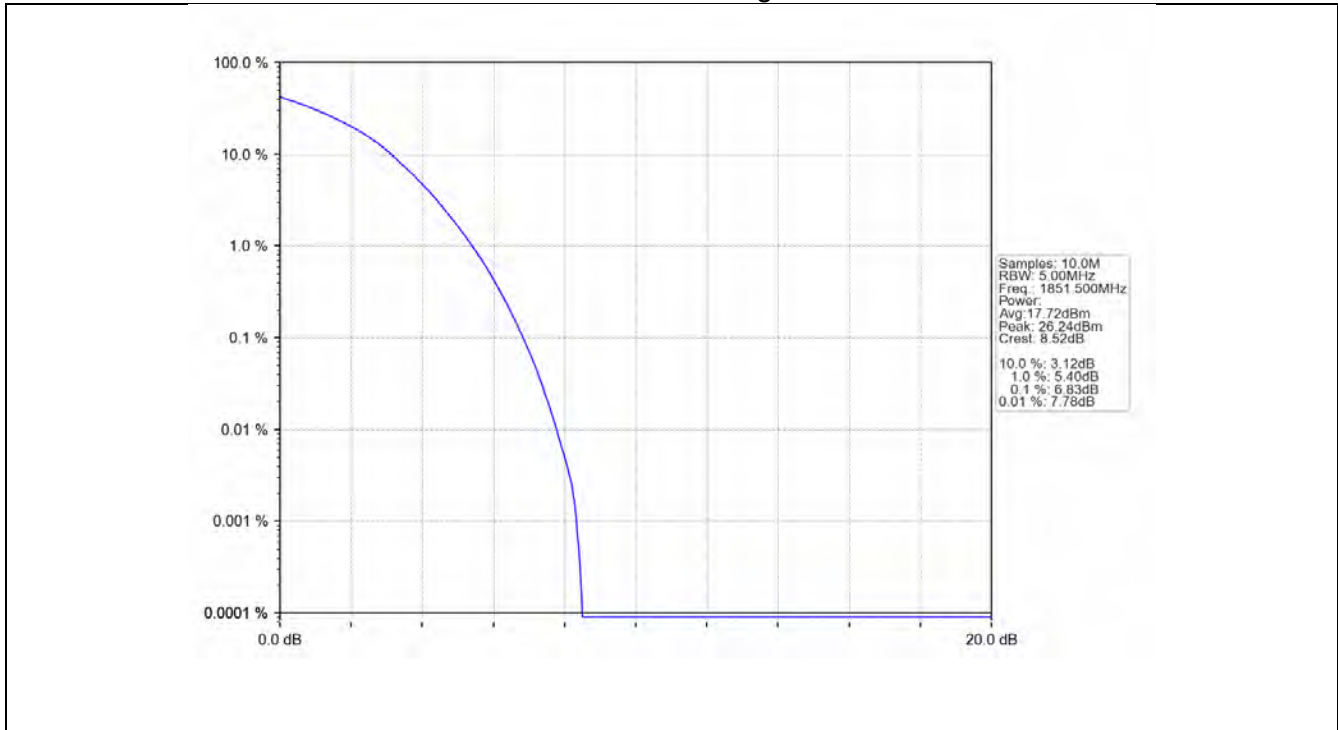
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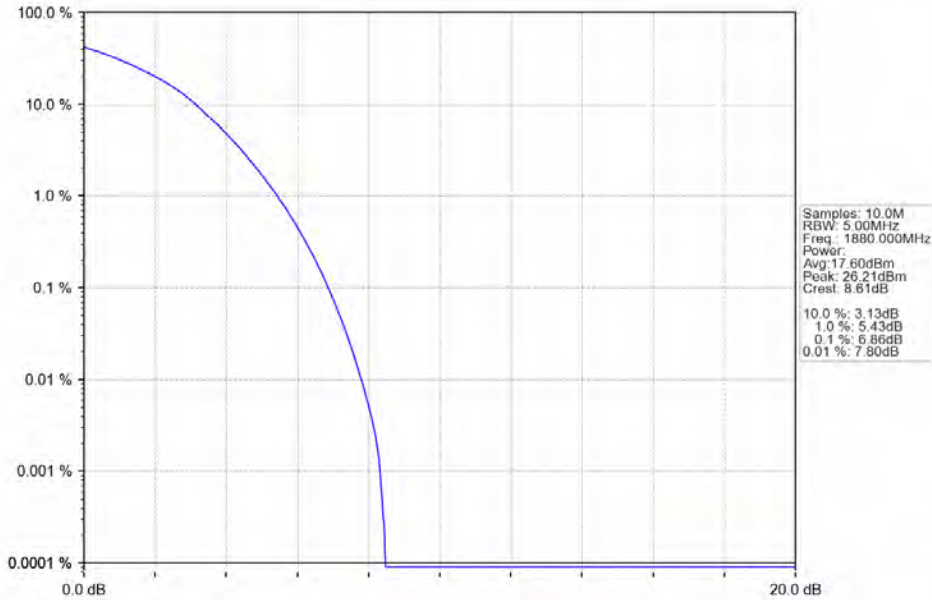


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Band2_3MHz_256QAM_MCH_1880MHz_RB_15_0_NTNV



Band2_3MHz_256QAM_HCH_1908.5MHz_RB_15_0_NTNV

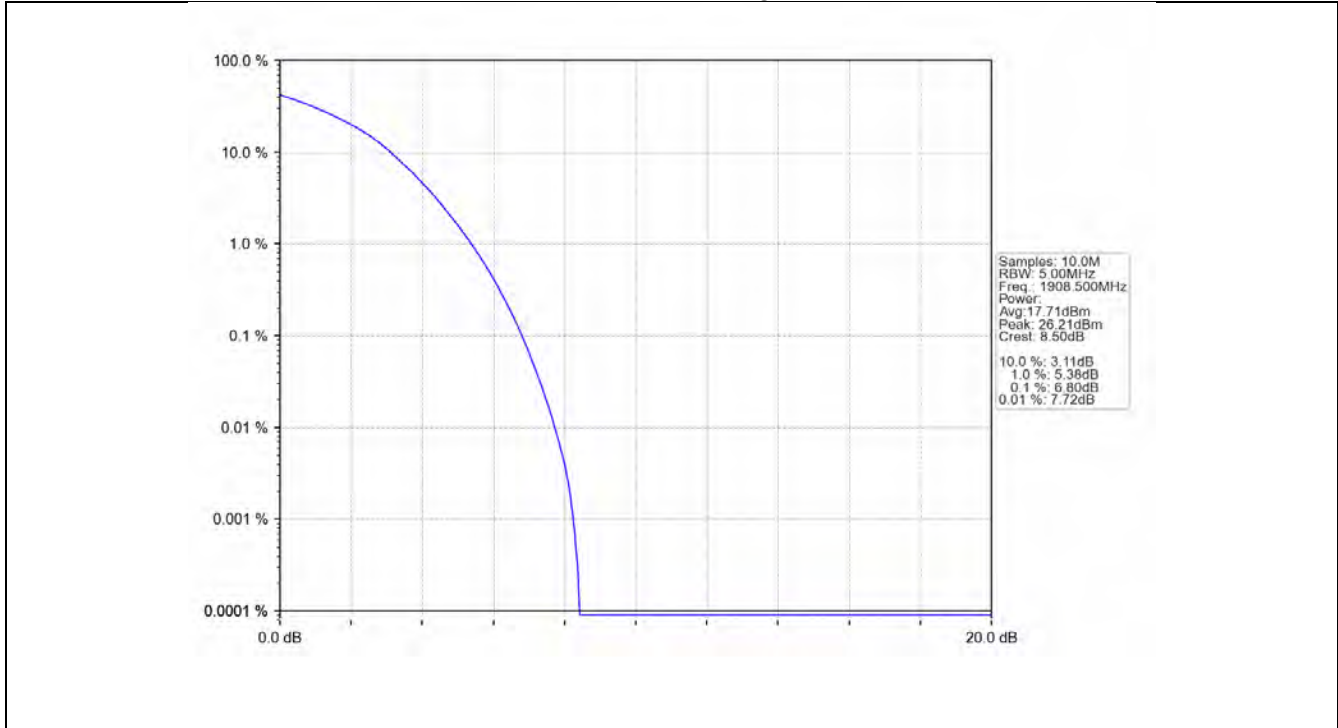


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5.3 B2_5MHz

5.3.1 Test Result

Band: 2 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1852.5	25	0	5.23	<=13	Pass
	1880	25	0	5.19	<=13	Pass
	1907.5	25	0	5.20	<=13	Pass
16QAM	1852.5	25	0	6.08	<=13	Pass
	1880	25	0	6.05	<=13	Pass
	1907.5	25	0	6.01	<=13	Pass
64QAM	1852.5	25	0	10.54	<=13	Pass
	1880	25	0	9.83	<=13	Pass
	1907.5	25	0	10.40	<=13	Pass
256QAM	1852.5	25	0	6.81	<=13	Pass
	1880	25	0	6.83	<=13	Pass
	1907.5	25	0	6.79	<=13	Pass

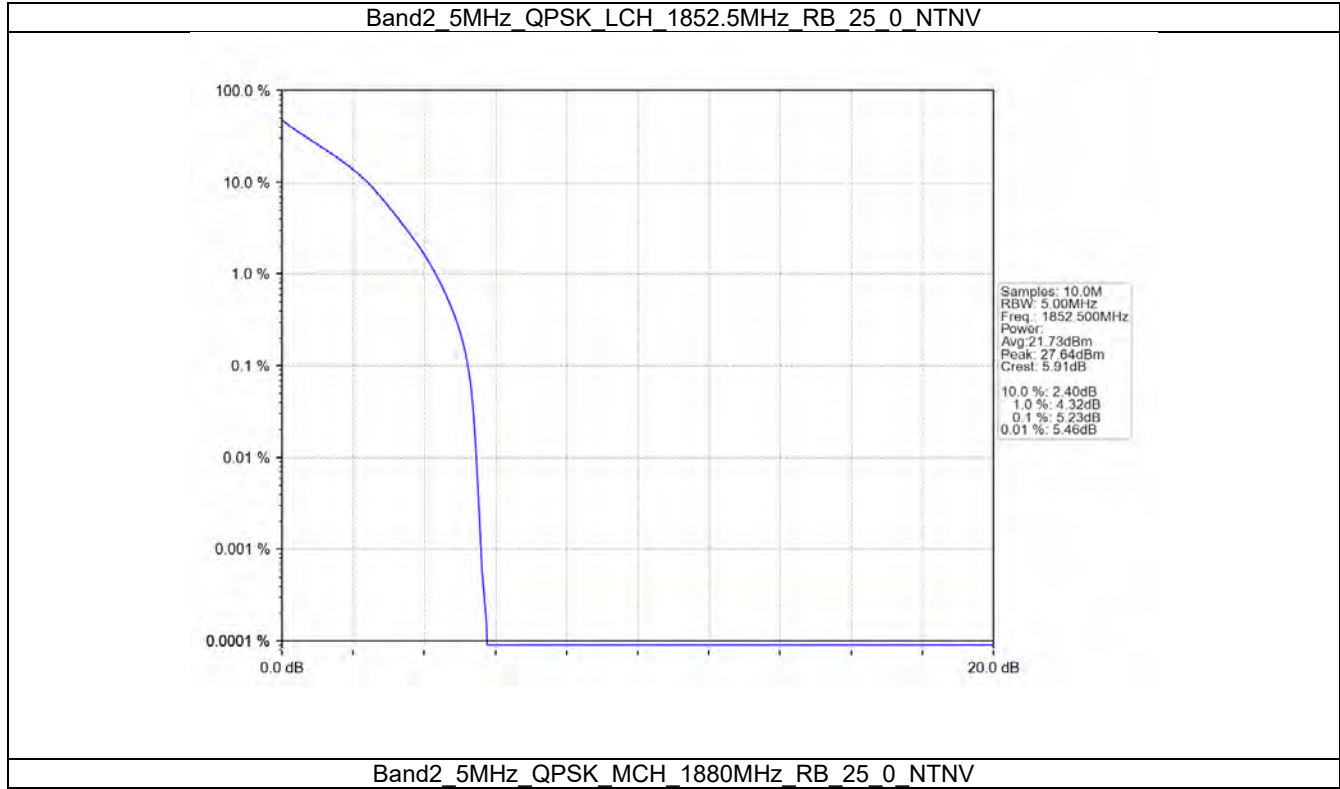


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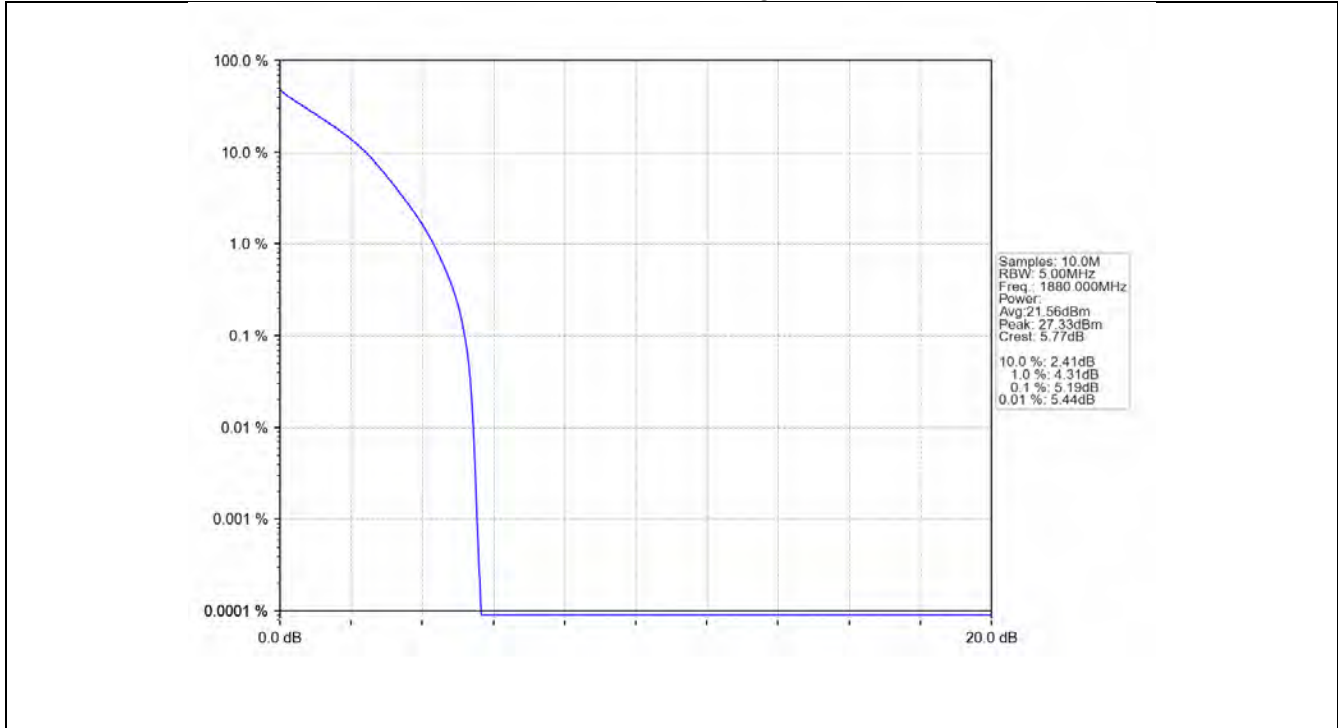
5.3.2 Test Graph



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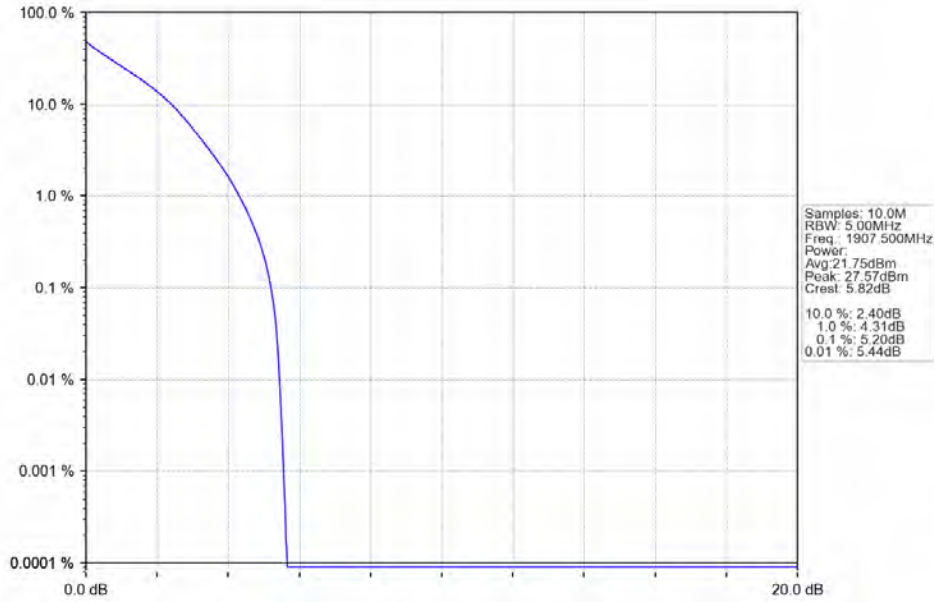


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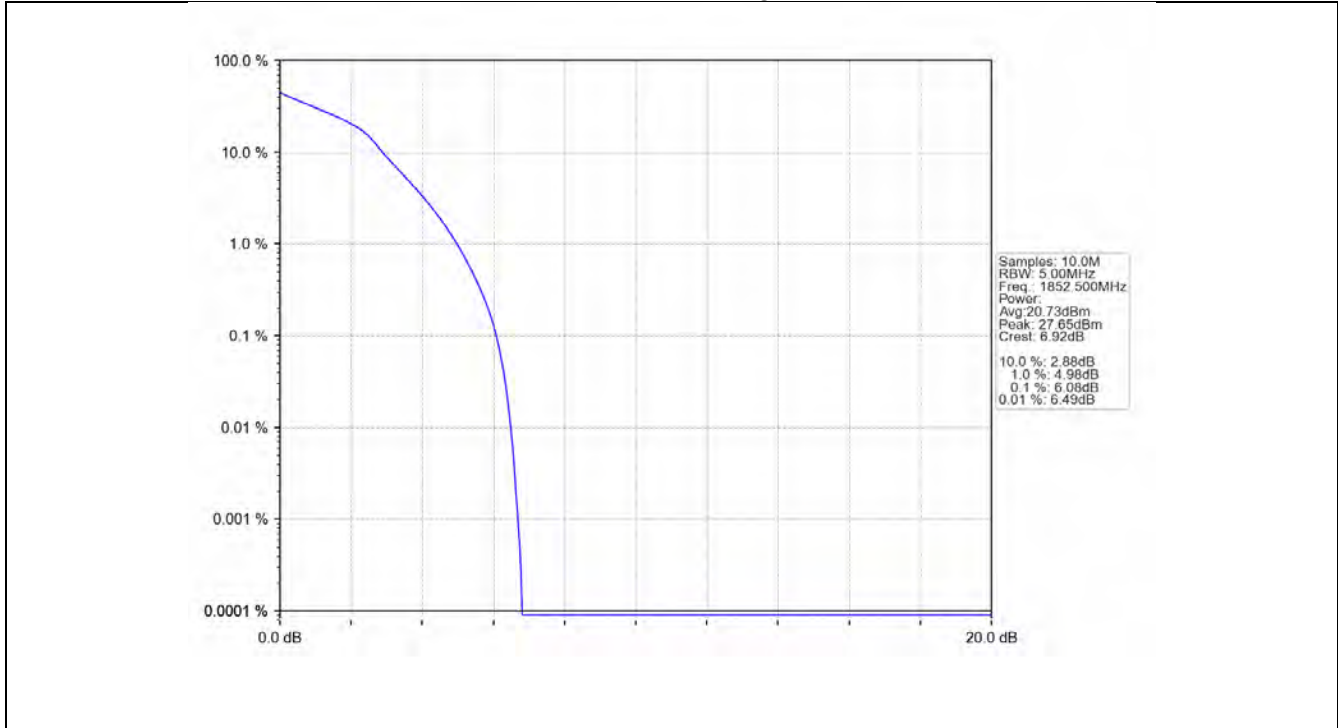
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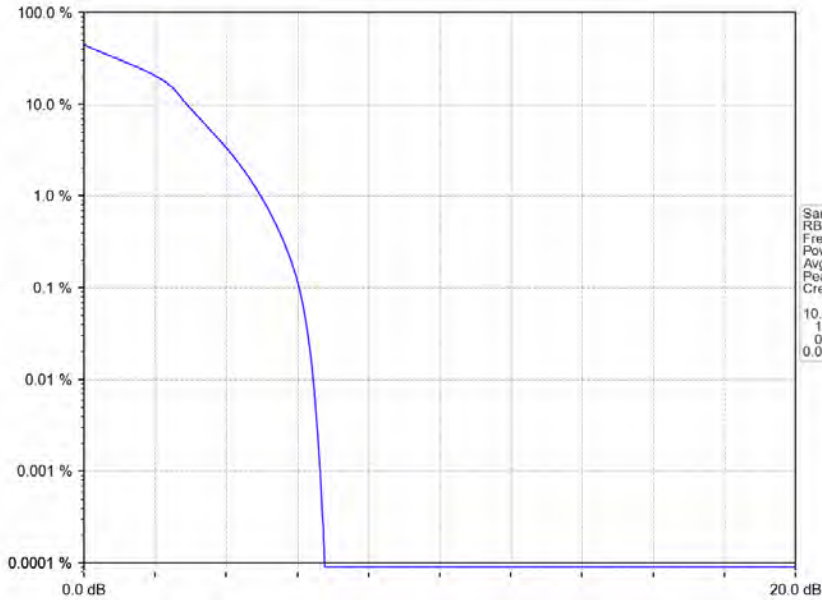
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Band2_5MHz_16QAM_MCH_1880MHz_RB_25_0_NTNV



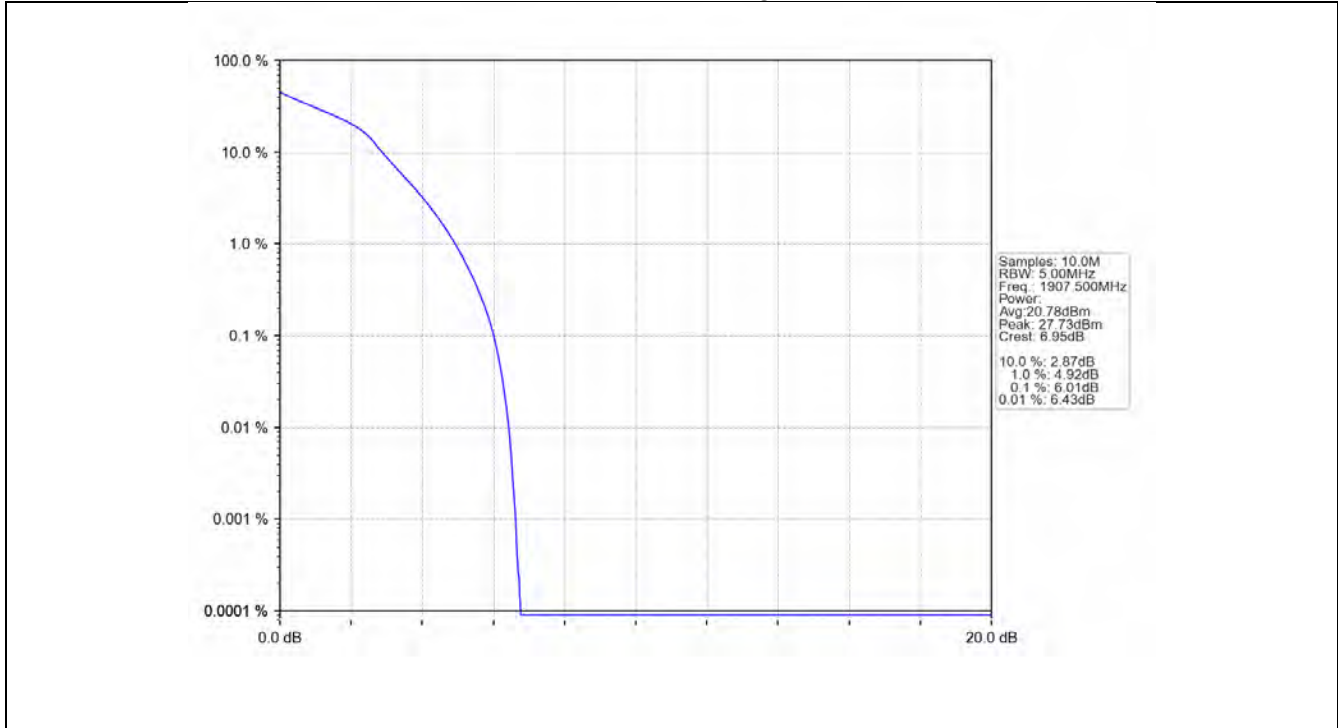
Samples: 10.0M
 RBW: 5.00MHz
 Freq: 1880.000MHz
 Power:
 Avg:20 58dBm
 Peak: 27.45dBm
 Crest: 6.87dB
 10.0 %: 2.89dB
 1.0 %: 4.97dB
 0.1 %: 6.05dB
 0.01 %: 6.44dB

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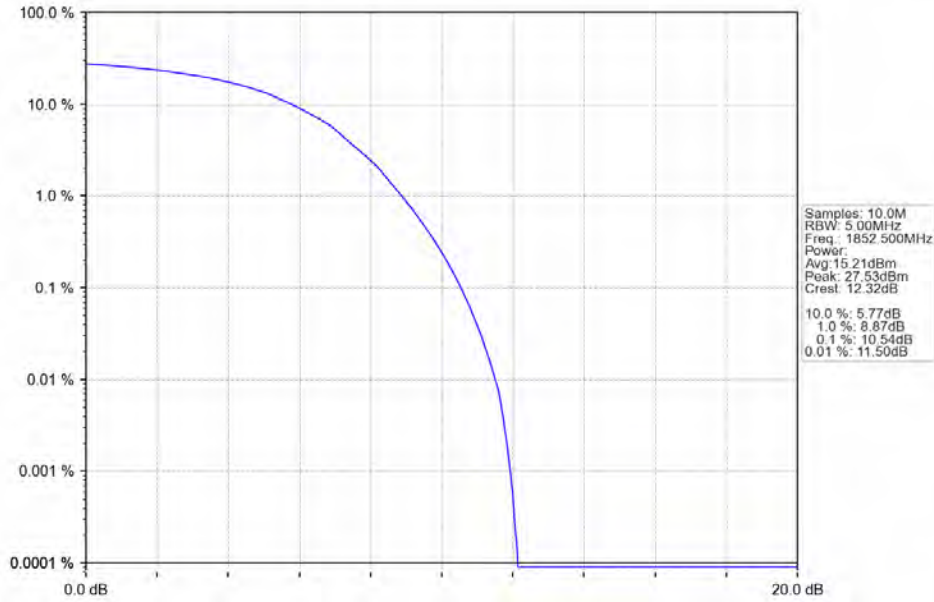


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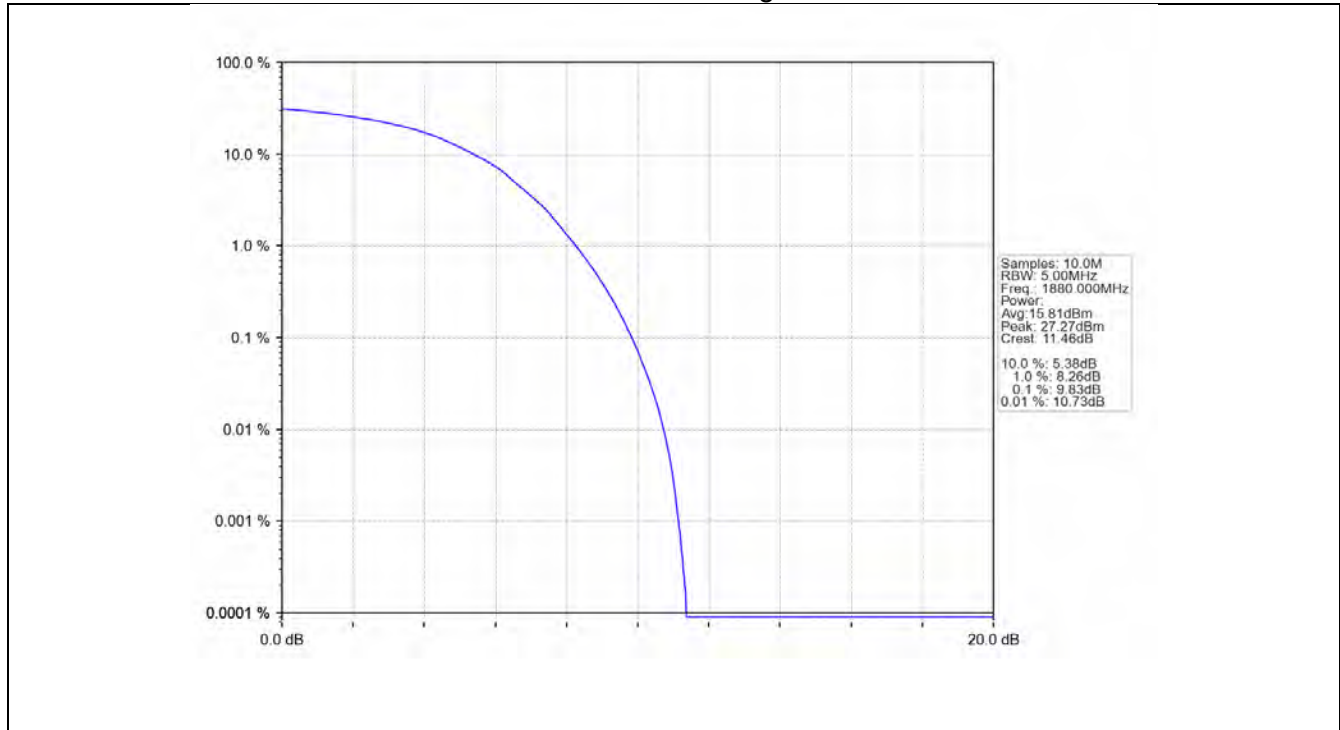


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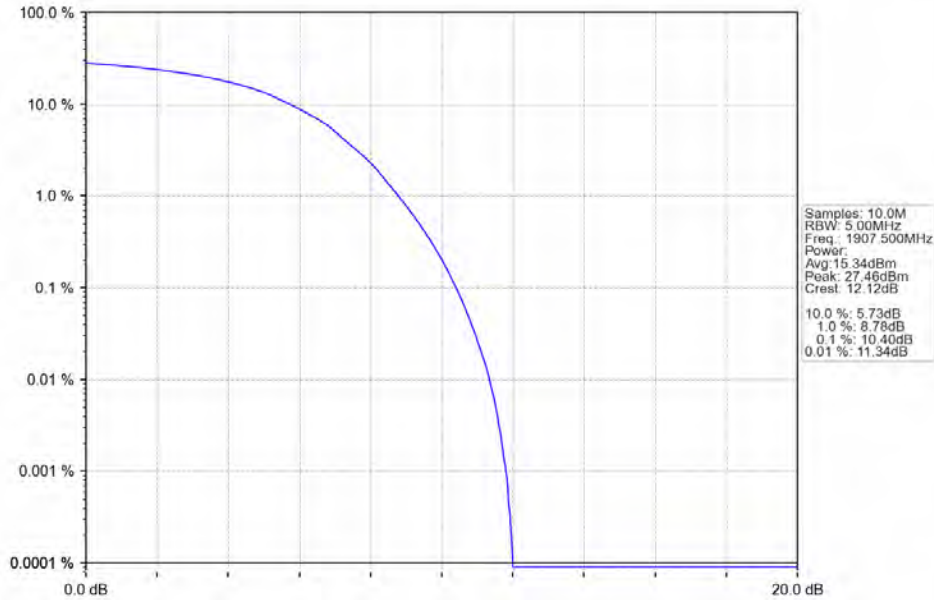


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Band2_5MHz_256QAM_LCH_1852.5MHz_RB_25_0_NTNV

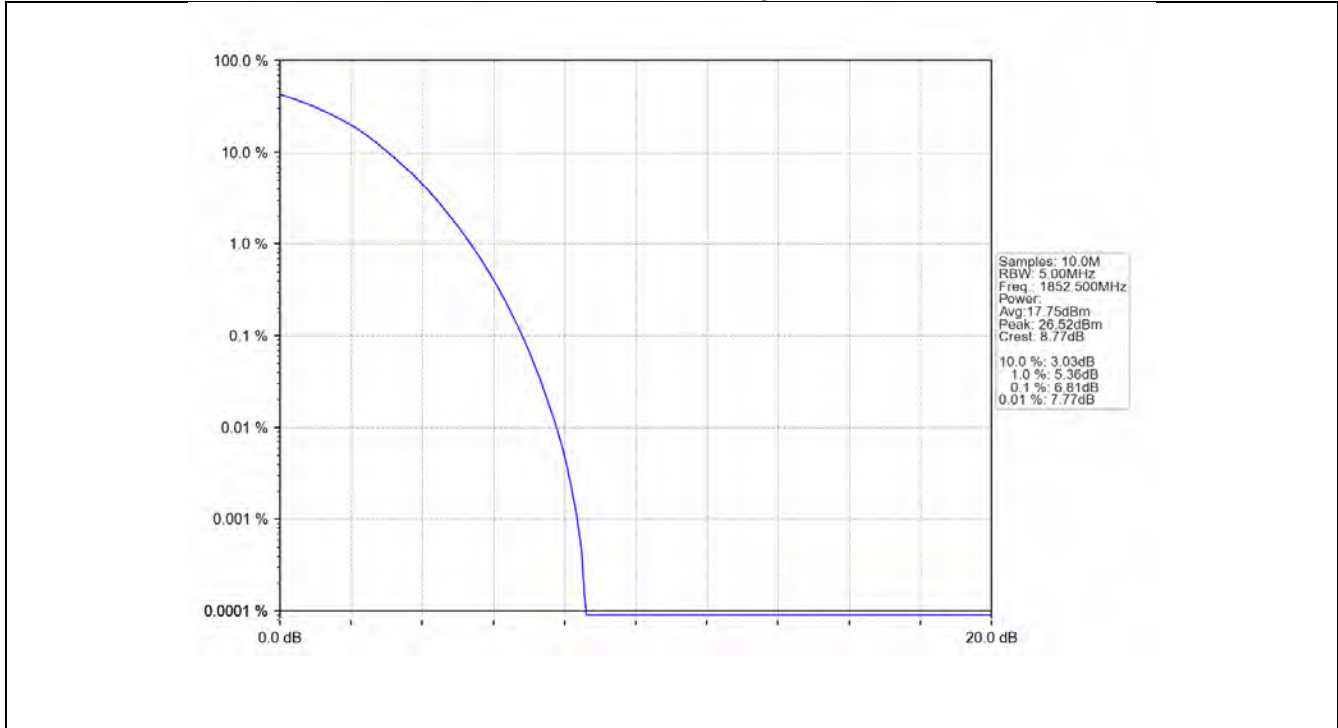


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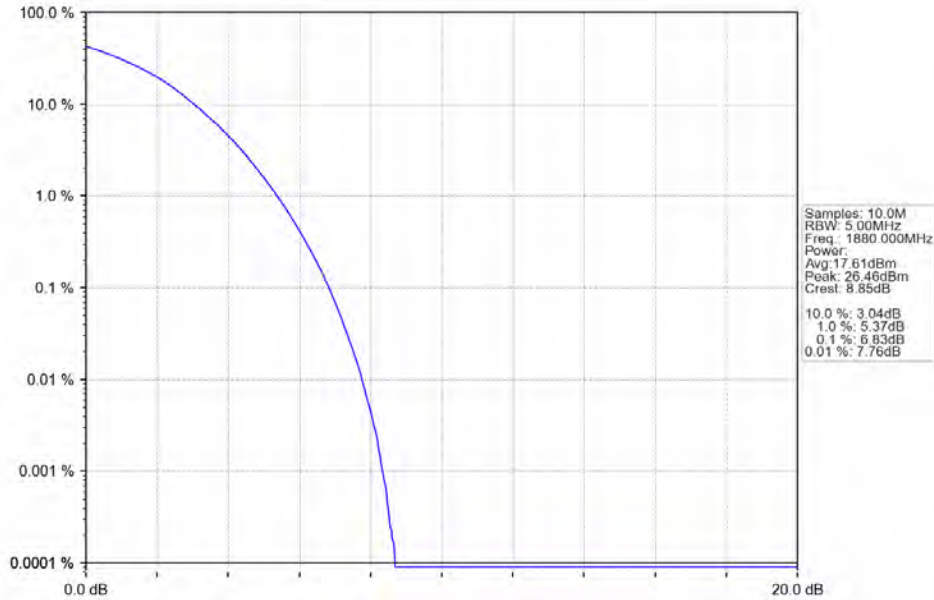


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Band2_5MHz_256QAM_MCH_1880MHz_RB_25_0_NTNV



Band2_5MHz_256QAM_HCH_1907.5MHz_RB_25_0_NTNV



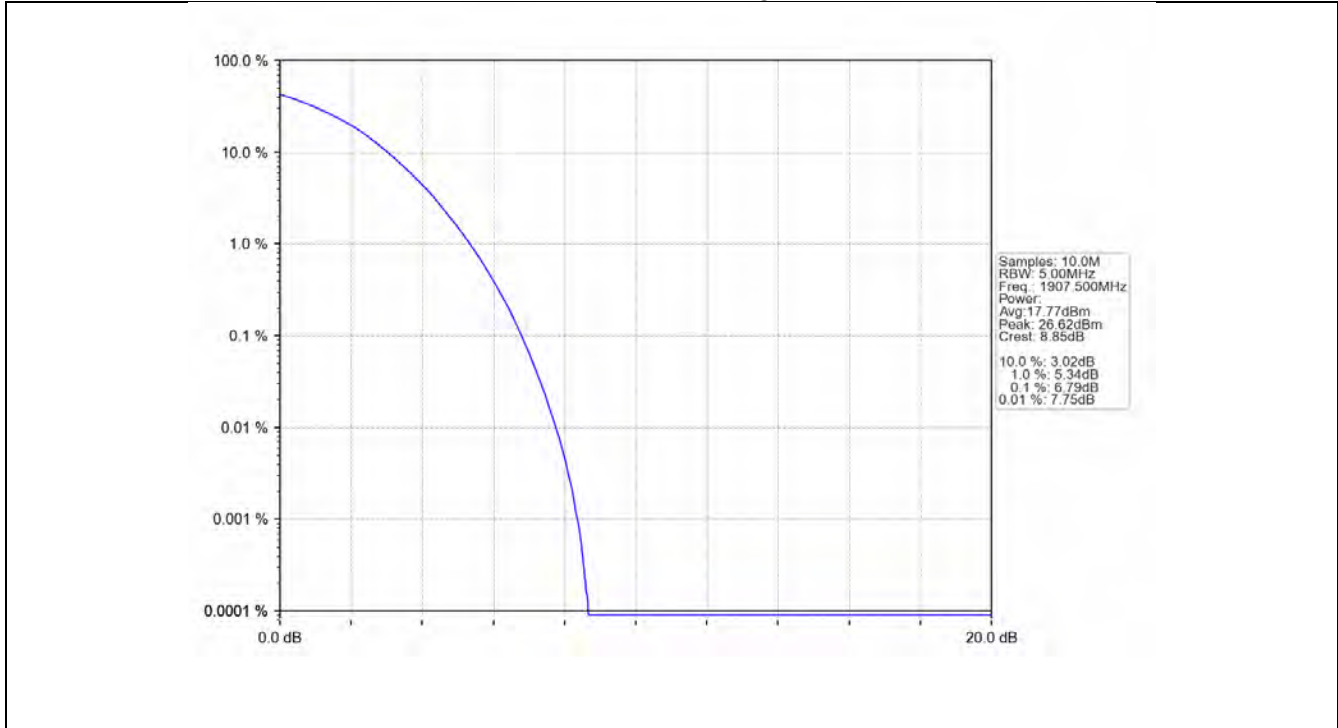
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5.4 B2_10MHz

5.4.1 Test Result

Band: 2 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1855	50	0	5.26	<=13	Pass
	1880	50	0	5.22	<=13	Pass
	1905	50	0	5.33	<=13	Pass
16QAM	1855	50	0	6.06	<=13	Pass
	1880	50	0	6.04	<=13	Pass
	1905	50	0	6.11	<=13	Pass
64QAM	1855	50	0	6.49	<=13	Pass
	1880	50	0	12.26	<=13	Pass
	1905	50	0	12.53	<=13	Pass
256QAM	1855	50	0	6.79	<=13	Pass
	1880	50	0	6.83	<=13	Pass
	1905	50	0	6.80	<=13	Pass

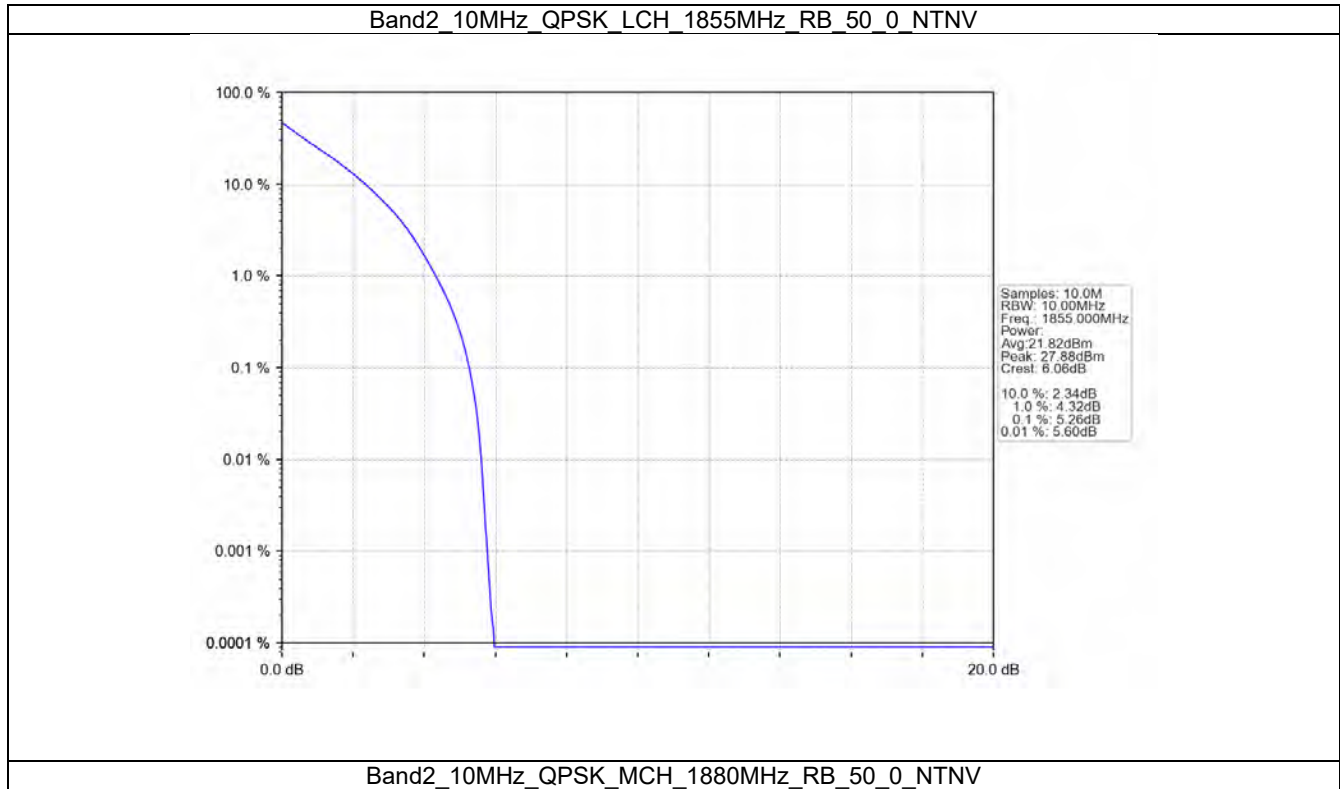


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5.4.2 Test Graph



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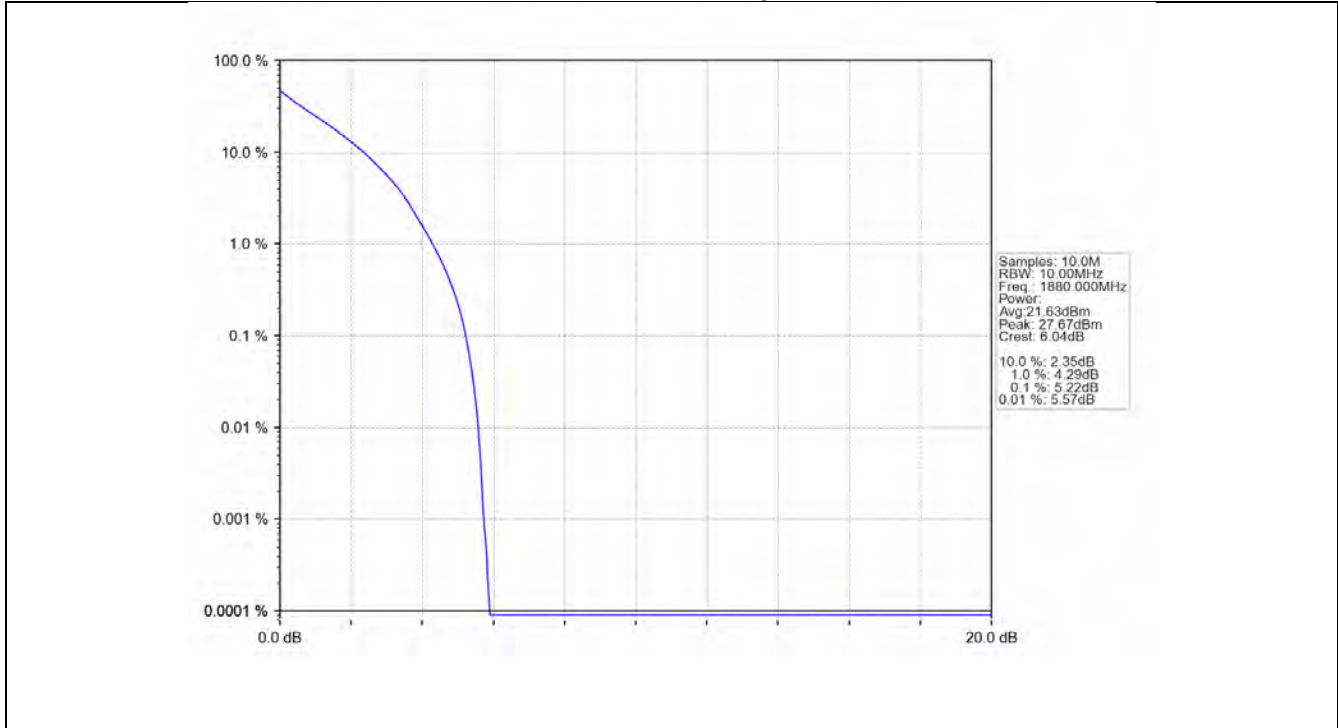
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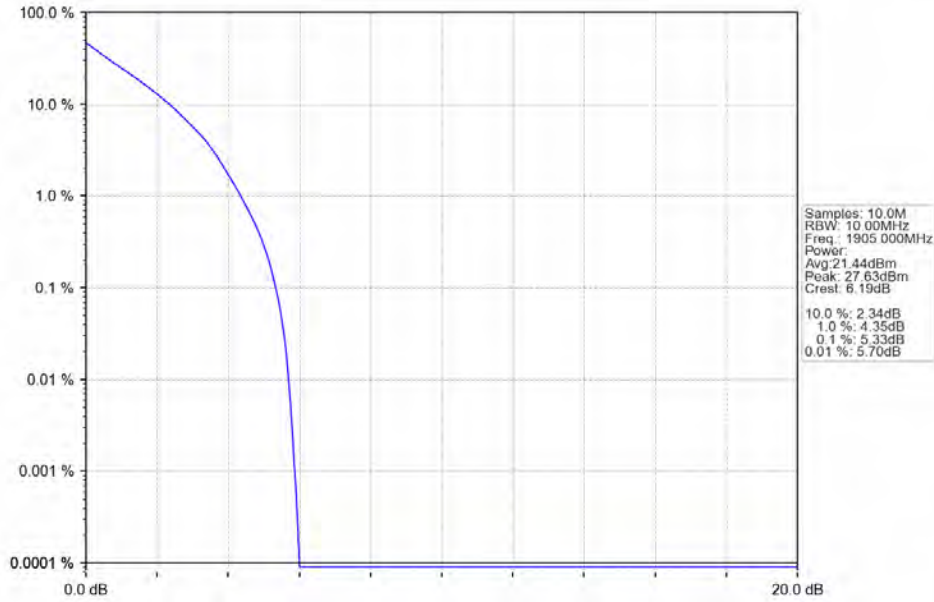
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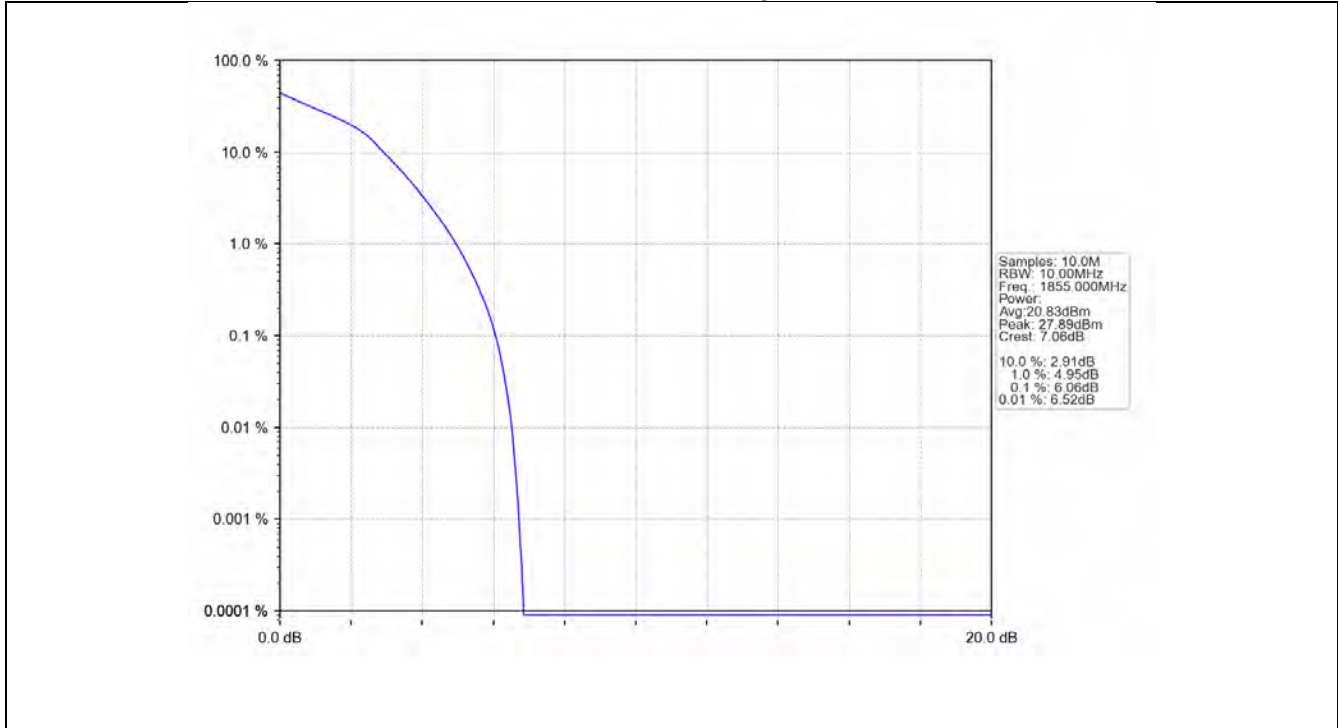
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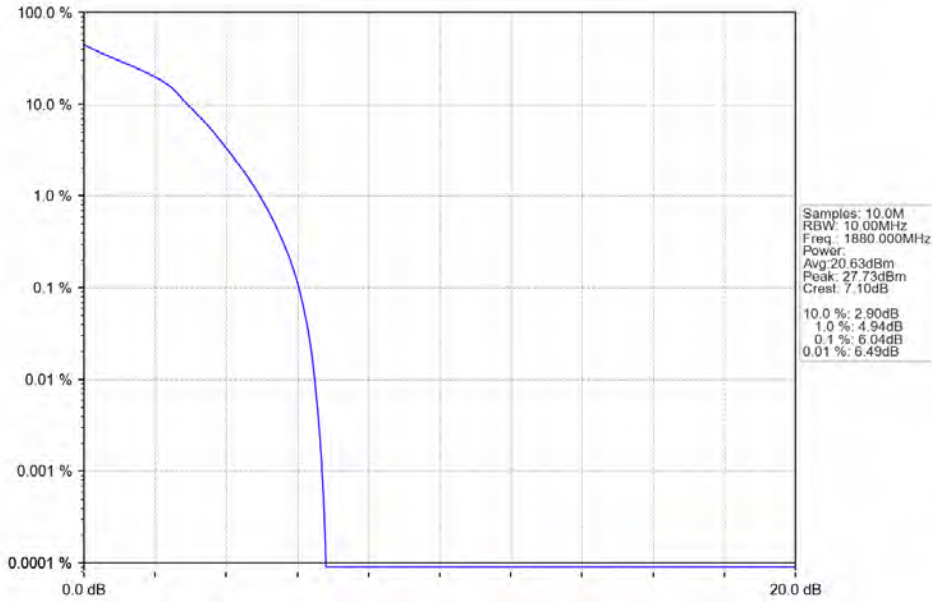


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Band2_10MHz_16QAM_HCH_1905MHz_RB_50_0_NTNV



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