

Report No.: SEWM2304000115RG04

Rev.: 01

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Appendix B.2

LTE Band 2



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Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	EIRP(dBm)	Limit(dBm)	Verdict
Band2	1.4MHz	QPSK	18607	1RB#0	23.40	23.64	33.00	PASS
Band2	1.4MHz	QPSK	18607	1RB#2	23.52	23.76	33.00	PASS
Band2	1.4MHz	QPSK	18607	1RB#5	23.42	23.66	33.00	PASS
Band2	1.4MHz	QPSK	18607	6RB#0	22.53	22.77	33.00	PASS
Band2	1.4MHz	QPSK	18900	1RB#0	23.24	23.48	33.00	PASS
Band2	1.4MHz	QPSK	18900	1RB#2	23.36	23.60	33.00	PASS
Band2	1.4MHz	QPSK	18900	1RB#5	23.25	23.49	33.00	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	22.35	22.59	33.00	PASS
Band2	1.4MHz	QPSK	19193	1RB#0	23.18	23.42	33.00	PASS
Band2	1.4MHz	QPSK	19193	1RB#2	23.25	23.49	33.00	PASS
Band2	1.4MHz	QPSK	19193	1RB#5	23.17	23.41	33.00	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	22.30	22.54	33.00	PASS
Band2	1.4MHz	16QAM	18607	1RB#0	22.70	22.94	33.00	PASS
Band2	1.4MHz	16QAM	18607	1RB#2	22.78	23.02	33.00	PASS
Band2	1.4MHz	16QAM	18607	1RB#5	22.70	22.94	33.00	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	21.62	21.86	33.00	PASS
Band2	1.4MHz	16QAM	18900	1RB#0	22.58	22.82	33.00	PASS
Band2	1.4MHz	16QAM	18900	1RB#2	22.60	22.84	33.00	PASS
Band2	1.4MHz	16QAM	18900	1RB#5	22.56	22.80	33.00	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	21.46	21.70	33.00	PASS
Band2	1.4MHz	16QAM	19193	1RB#0	22.43	22.67	33.00	PASS
Band2	1.4MHz	16QAM	19193	1RB#2	22.47	22.71	33.00	PASS
Band2	1.4MHz	16QAM	19193	1RB#5	22.43	22.67	33.00	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	21.33	21.57	33.00	PASS
Band2	1.4MHz	64QAM	18607	1RB#0	21.54	21.78	33.00	PASS
Band2	1.4MHz	64QAM	18607	1RB#2	21.67	21.91	33.00	PASS
Band2	1.4MHz	64QAM	18607	1RB#5	21.58	21.82	33.00	PASS



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Band2	1.4MHz	64QAM	18607	6RB#0	20.55	20.79	33.00	PASS
Band2	1.4MHz	64QAM	18900	1RB#0	21.40	21.64	33.00	PASS
Band2	1.4MHz	64QAM	18900	1RB#2	21.53	21.77	33.00	PASS
Band2	1.4MHz	64QAM	18900	1RB#5	21.41	21.65	33.00	PASS
Band2	1.4MHz	64QAM	18900	6RB#0	20.37	20.61	33.00	PASS
Band2	1.4MHz	64QAM	19193	1RB#0	21.32	21.56	33.00	PASS
Band2	1.4MHz	64QAM	19193	1RB#2	21.42	21.66	33.00	PASS
Band2	1.4MHz	64QAM	19193	1RB#5	21.32	21.56	33.00	PASS
Band2	1.4MHz	64QAM	19193	6RB#0	20.31	20.55	33.00	PASS
Band2	3MHz	QPSK	18615	1RB#0	23.44	23.68	33.00	PASS
Band2	3MHz	QPSK	18615	1RB#8	23.41	23.65	33.00	PASS
Band2	3MHz	QPSK	18615	1RB#14	23.43	23.67	33.00	PASS
Band2	3MHz	QPSK	18615	15RB#0	22.44	22.68	33.00	PASS
Band2	3MHz	QPSK	18900	1RB#0	23.32	23.56	33.00	PASS
Band2	3MHz	QPSK	18900	1RB#8	23.28	23.52	33.00	PASS
Band2	3MHz	QPSK	18900	1RB#14	23.33	23.57	33.00	PASS
Band2	3MHz	QPSK	18900	15RB#0	22.32	22.56	33.00	PASS
Band2	3MHz	QPSK	19185	1RB#0	23.23	23.47	33.00	PASS
Band2	3MHz	QPSK	19185	1RB#8	23.18	23.42	33.00	PASS
Band2	3MHz	QPSK	19185	1RB#14	23.18	23.42	33.00	PASS
Band2	3MHz	QPSK	19185	15RB#0	22.25	22.49	33.00	PASS
Band2	3MHz	16QAM	18615	1RB#0	22.78	23.02	33.00	PASS
Band2	3MHz	16QAM	18615	1RB#8	22.60	22.84	33.00	PASS
Band2	3MHz	16QAM	18615	1RB#14	22.71	22.95	33.00	PASS
Band2	3MHz	16QAM	18615	15RB#0	21.46	21.70	33.00	PASS
Band2	3MHz	16QAM	18900	1RB#0	22.52	22.76	33.00	PASS
Band2	3MHz	16QAM	18900	1RB#8	22.57	22.81	33.00	PASS
Band2	3MHz	16QAM	18900	1RB#14	22.61	22.85	33.00	PASS
Band2	3MHz	16QAM	18900	15RB#0	21.34	21.58	33.00	PASS
Band2	3MHz	16QAM	19185	1RB#0	22.51	22.75	33.00	PASS
Band2	3MHz	16QAM	19185	1RB#8	22.40	22.64	33.00	PASS
Band2	3MHz	16QAM	19185	1RB#14	22.38	22.62	33.00	PASS



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Band2	3MHz	16QAM	19185	15RB#0	21.24	21.48	33.00	PASS
Band2	3MHz	64QAM	18615	1RB#0	21.62	21.86	33.00	PASS
Band2	3MHz	64QAM	18615	1RB#8	21.60	21.84	33.00	PASS
Band2	3MHz	64QAM	18615	1RB#14	21.59	21.83	33.00	PASS
Band2	3MHz	64QAM	18615	15RB#0	20.48	20.72	33.00	PASS
Band2	3MHz	64QAM	18900	1RB#0	21.49	21.73	33.00	PASS
Band2	3MHz	64QAM	18900	1RB#8	21.44	21.68	33.00	PASS
Band2	3MHz	64QAM	18900	1RB#14	21.48	21.72	33.00	PASS
Band2	3MHz	64QAM	18900	15RB#0	20.33	20.57	33.00	PASS
Band2	3MHz	64QAM	19185	1RB#0	21.36	21.60	33.00	PASS
Band2	3MHz	64QAM	19185	1RB#8	21.37	21.61	33.00	PASS
Band2	3MHz	64QAM	19185	1RB#14	21.36	21.60	33.00	PASS
Band2	3MHz	64QAM	19185	15RB#0	20.28	20.52	33.00	PASS
Band2	5MHz	QPSK	18625	1RB#0	23.42	23.66	33.00	PASS
Band2	5MHz	QPSK	18625	1RB#12	23.55	23.79	33.00	PASS
Band2	5MHz	QPSK	18625	1RB#24	23.37	23.61	33.00	PASS
Band2	5MHz	QPSK	18625	25RB#0	22.47	22.71	33.00	PASS
Band2	5MHz	QPSK	18900	1RB#0	23.30	23.54	33.00	PASS
Band2	5MHz	QPSK	18900	1RB#12	23.46	23.70	33.00	PASS
Band2	5MHz	QPSK	18900	1RB#24	23.25	23.49	33.00	PASS
Band2	5MHz	QPSK	18900	25RB#0	22.35	22.59	33.00	PASS
Band2	5MHz	QPSK	19175	1RB#0	23.18	23.42	33.00	PASS
Band2	5MHz	QPSK	19175	1RB#12	23.34	23.58	33.00	PASS
Band2	5MHz	QPSK	19175	1RB#24	23.18	23.42	33.00	PASS
Band2	5MHz	QPSK	19175	25RB#0	22.24	22.48	33.00	PASS
Band2	5MHz	16QAM	18625	1RB#0	22.63	22.87	33.00	PASS
Band2	5MHz	16QAM	18625	1RB#12	22.82	23.06	33.00	PASS
Band2	5MHz	16QAM	18625	1RB#24	22.63	22.87	33.00	PASS
Band2	5MHz	16QAM	18625	25RB#0	21.46	21.70	33.00	PASS
Band2	5MHz	16QAM	18900	1RB#0	22.54	22.78	33.00	PASS
Band2	5MHz	16QAM	18900	1RB#12	22.74	22.98	33.00	PASS
Band2	5MHz	16QAM	18900	1RB#24	22.47	22.71	33.00	PASS



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Band2	5MHz	16QAM	18900	25RB#0	21.37	21.61	33.00	PASS
Band2	5MHz	16QAM	19175	1RB#0	22.40	22.64	33.00	PASS
Band2	5MHz	16QAM	19175	1RB#12	22.55	22.79	33.00	PASS
Band2	5MHz	16QAM	19175	1RB#24	22.35	22.59	33.00	PASS
Band2	5MHz	16QAM	19175	25RB#0	21.27	21.51	33.00	PASS
Band2	5MHz	64QAM	18625	1RB#0	21.55	21.79	33.00	PASS
Band2	5MHz	64QAM	18625	1RB#12	21.71	21.95	33.00	PASS
Band2	5MHz	64QAM	18625	1RB#24	21.54	21.78	33.00	PASS
Band2	5MHz	64QAM	18625	25RB#0	20.47	20.71	33.00	PASS
Band2	5MHz	64QAM	18900	1RB#0	21.53	21.77	33.00	PASS
Band2	5MHz	64QAM	18900	1RB#12	21.61	21.85	33.00	PASS
Band2	5MHz	64QAM	18900	1RB#24	21.46	21.70	33.00	PASS
Band2	5MHz	64QAM	18900	25RB#0	20.37	20.61	33.00	PASS
Band2	5MHz	64QAM	19175	1RB#0	21.34	21.58	33.00	PASS
Band2	5MHz	64QAM	19175	1RB#12	21.45	21.69	33.00	PASS
Band2	5MHz	64QAM	19175	1RB#24	21.30	21.54	33.00	PASS
Band2	5MHz	64QAM	19175	25RB#0	20.30	20.54	33.00	PASS
Band2	10MHz	QPSK	18650	1RB#0	23.40	23.64	33.00	PASS
Band2	10MHz	QPSK	18650	1RB#24	23.47	23.71	33.00	PASS
Band2	10MHz	QPSK	18650	1RB#49	23.37	23.61	33.00	PASS
Band2	10MHz	QPSK	18650	50RB#0	22.45	22.69	33.00	PASS
Band2	10MHz	QPSK	18900	1RB#0	23.26	23.50	33.00	PASS
Band2	10MHz	QPSK	18900	1RB#24	23.39	23.63	33.00	PASS
Band2	10MHz	QPSK	18900	1RB#49	23.22	23.46	33.00	PASS
Band2	10MHz	QPSK	18900	50RB#0	22.32	22.56	33.00	PASS
Band2	10MHz	QPSK	19150	1RB#0	23.11	23.35	33.00	PASS
Band2	10MHz	QPSK	19150	1RB#24	23.24	23.48	33.00	PASS
Band2	10MHz	QPSK	19150	1RB#49	23.20	23.44	33.00	PASS
Band2	10MHz	QPSK	19150	50RB#0	22.29	22.53	33.00	PASS
Band2	10MHz	16QAM	18650	1RB#0	22.65	22.89	33.00	PASS
Band2	10MHz	16QAM	18650	1RB#24	22.64	22.88	33.00	PASS
Band2	10MHz	16QAM	18650	1RB#49	22.53	22.77	33.00	PASS



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Band2	10MHz	16QAM	18650	50RB#0	21.43	21.67	33.00	PASS
Band2	10MHz	16QAM	18900	1RB#0	22.44	22.68	33.00	PASS
Band2	10MHz	16QAM	18900	1RB#24	22.61	22.85	33.00	PASS
Band2	10MHz	16QAM	18900	1RB#49	22.53	22.77	33.00	PASS
Band2	10MHz	16QAM	18900	50RB#0	21.32	21.56	33.00	PASS
Band2	10MHz	16QAM	19150	1RB#0	22.28	22.52	33.00	PASS
Band2	10MHz	16QAM	19150	1RB#24	22.53	22.77	33.00	PASS
Band2	10MHz	16QAM	19150	1RB#49	22.39	22.63	33.00	PASS
Band2	10MHz	16QAM	19150	50RB#0	21.27	21.51	33.00	PASS
Band2	10MHz	64QAM	18650	1RB#0	21.49	21.73	33.00	PASS
Band2	10MHz	64QAM	18650	1RB#24	21.67	21.91	33.00	PASS
Band2	10MHz	64QAM	18650	1RB#49	21.58	21.82	33.00	PASS
Band2	10MHz	64QAM	18650	50RB#0	20.46	20.70	33.00	PASS
Band2	10MHz	64QAM	18900	1RB#0	21.36	21.60	33.00	PASS
Band2	10MHz	64QAM	18900	1RB#24	21.52	21.76	33.00	PASS
Band2	10MHz	64QAM	18900	1RB#49	21.38	21.62	33.00	PASS
Band2	10MHz	64QAM	18900	50RB#0	20.34	20.58	33.00	PASS
Band2	10MHz	64QAM	19150	1RB#0	21.28	21.52	33.00	PASS
Band2	10MHz	64QAM	19150	1RB#24	21.42	21.66	33.00	PASS
Band2	10MHz	64QAM	19150	1RB#49	21.27	21.51	33.00	PASS
Band2	10MHz	64QAM	19150	50RB#0	20.30	20.54	33.00	PASS
Band2	15MHz	QPSK	18675	1RB#0	23.35	23.59	33.00	PASS
Band2	15MHz	QPSK	18675	1RB#38	23.38	23.62	33.00	PASS
Band2	15MHz	QPSK	18675	1RB#74	23.34	23.58	33.00	PASS
Band2	15MHz	QPSK	18675	75RB#0	22.41	22.65	33.00	PASS
Band2	15MHz	QPSK	18900	1RB#0	23.24	23.48	33.00	PASS
Band2	15MHz	QPSK	18900	1RB#38	23.25	23.49	33.00	PASS
Band2	15MHz	QPSK	18900	1RB#74	23.20	23.44	33.00	PASS
Band2	15MHz	QPSK	18900	75RB#0	22.34	22.58	33.00	PASS
Band2	15MHz	QPSK	19125	1RB#0	23.05	23.29	33.00	PASS
Band2	15MHz	QPSK	19125	1RB#38	23.12	23.36	33.00	PASS
Band2	15MHz	QPSK	19125	1RB#74	23.19	23.43	33.00	PASS



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Band2	15MHz	QPSK	19125	75RB#0	22.26	22.50	33.00	PASS
Band2	15MHz	16QAM	18675	1RB#0	22.60	22.84	33.00	PASS
Band2	15MHz	16QAM	18675	1RB#38	22.61	22.85	33.00	PASS
Band2	15MHz	16QAM	18675	1RB#74	22.57	22.81	33.00	PASS
Band2	15MHz	16QAM	18675	75RB#0	21.38	21.62	33.00	PASS
Band2	15MHz	16QAM	18900	1RB#0	22.46	22.70	33.00	PASS
Band2	15MHz	16QAM	18900	1RB#38	22.47	22.71	33.00	PASS
Band2	15MHz	16QAM	18900	1RB#74	22.43	22.67	33.00	PASS
Band2	15MHz	16QAM	18900	75RB#0	21.33	21.57	33.00	PASS
Band2	15MHz	16QAM	19125	1RB#0	22.28	22.52	33.00	PASS
Band2	15MHz	16QAM	19125	1RB#38	22.32	22.56	33.00	PASS
Band2	15MHz	16QAM	19125	1RB#74	22.35	22.59	33.00	PASS
Band2	15MHz	16QAM	19125	75RB#0	21.24	21.48	33.00	PASS
Band2	15MHz	64QAM	18675	1RB#0	21.48	21.72	33.00	PASS
Band2	15MHz	64QAM	18675	1RB#38	21.57	21.81	33.00	PASS
Band2	15MHz	64QAM	18675	1RB#74	21.43	21.67	33.00	PASS
Band2	15MHz	64QAM	18675	75RB#0	20.44	20.68	33.00	PASS
Band2	15MHz	64QAM	18900	1RB#0	21.40	21.64	33.00	PASS
Band2	15MHz	64QAM	18900	1RB#38	21.39	21.63	33.00	PASS
Band2	15MHz	64QAM	18900	1RB#74	21.42	21.66	33.00	PASS
Band2	15MHz	64QAM	18900	75RB#0	20.34	20.58	33.00	PASS
Band2	15MHz	64QAM	19125	1RB#0	21.20	21.44	33.00	PASS
Band2	15MHz	64QAM	19125	1RB#38	21.28	21.52	33.00	PASS
Band2	15MHz	64QAM	19125	1RB#74	21.28	21.52	33.00	PASS
Band2	15MHz	64QAM	19125	75RB#0	20.28	20.52	33.00	PASS
Band2	20MHz	QPSK	18700	1RB#0	23.27	23.51	33.00	PASS
Band2	20MHz	QPSK	18700	1RB#49	23.44	23.68	33.00	PASS
Band2	20MHz	QPSK	18700	1RB#99	23.27	23.51	33.00	PASS
Band2	20MHz	QPSK	18700	100RB#0	22.38	22.62	33.00	PASS
Band2	20MHz	QPSK	18900	1RB#0	23.17	23.41	33.00	PASS
Band2	20MHz	QPSK	18900	1RB#49	23.35	23.59	33.00	PASS
Band2	20MHz	QPSK	18900	1RB#99	23.13	23.37	33.00	PASS



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Band2	20MHz	QPSK	18900	100RB#0	22.29	22.53	33.00	PASS
Band2	20MHz	QPSK	19100	1RB#0	23.05	23.29	33.00	PASS
Band2	20MHz	QPSK	19100	1RB#49	23.20	23.44	33.00	PASS
Band2	20MHz	QPSK	19100	1RB#99	23.13	23.37	33.00	PASS
Band2	20MHz	QPSK	19100	100RB#0	22.19	22.43	33.00	PASS
Band2	20MHz	16QAM	18700	1RB#0	22.53	22.77	33.00	PASS
Band2	20MHz	16QAM	18700	1RB#49	22.73	22.97	33.00	PASS
Band2	20MHz	16QAM	18700	1RB#99	22.55	22.79	33.00	PASS
Band2	20MHz	16QAM	18700	100RB#0	21.34	21.58	33.00	PASS
Band2	20MHz	16QAM	18900	1RB#0	22.42	22.66	33.00	PASS
Band2	20MHz	16QAM	18900	1RB#49	22.67	22.91	33.00	PASS
Band2	20MHz	16QAM	18900	1RB#99	22.41	22.65	33.00	PASS
Band2	20MHz	16QAM	18900	100RB#0	21.27	21.51	33.00	PASS
Band2	20MHz	16QAM	19100	1RB#0	22.28	22.52	33.00	PASS
Band2	20MHz	16QAM	19100	1RB#49	22.44	22.68	33.00	PASS
Band2	20MHz	16QAM	19100	1RB#99	22.40	22.64	33.00	PASS
Band2	20MHz	16QAM	19100	100RB#0	21.15	21.39	33.00	PASS
Band2	20MHz	64QAM	18700	1RB#0	21.41	21.65	33.00	PASS
Band2	20MHz	64QAM	18700	1RB#49	21.62	21.86	33.00	PASS
Band2	20MHz	64QAM	18700	1RB#99	21.48	21.72	33.00	PASS
Band2	20MHz	64QAM	18700	100RB#0	20.40	20.64	33.00	PASS
Band2	20MHz	64QAM	18900	1RB#0	21.36	21.60	33.00	PASS
Band2	20MHz	64QAM	18900	1RB#49	21.46	21.70	33.00	PASS
Band2	20MHz	64QAM	18900	1RB#99	21.31	21.55	33.00	PASS
Band2	20MHz	64QAM	18900	100RB#0	20.32	20.56	33.00	PASS
Band2	20MHz	64QAM	19100	1RB#0	21.24	21.48	33.00	PASS
Band2	20MHz	64QAM	19100	1RB#49	21.31	21.55	33.00	PASS
Band2	20MHz	64QAM	19100	1RB#99	21.24	21.48	33.00	PASS
Band2	20MHz	64QAM	19100	100RB#0	20.18	20.42	33.00	PASS



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Peak-to-Average Ratio(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band2	20MHz	QPSK	18700	100RB#0	5.34	13	PASS
Band2	20MHz	QPSK	18900	100RB#0	5.14	13	PASS
Band2	20MHz	QPSK	19100	100RB#0	5.12	13	PASS
Band2	20MHz	16QAM	18700	100RB#0	6.14	13	PASS
Band2	20MHz	16QAM	18900	100RB#0	5.98	13	PASS
Band2	20MHz	16QAM	19100	100RB#0	5.92	13	PASS
Band2	20MHz	64QAM	18700	100RB#0	6.26	13	PASS
Band2	20MHz	64QAM	18900	100RB#0	6.08	13	PASS
Band2	20MHz	64QAM	19100	100RB#0	6.16	13	PASS



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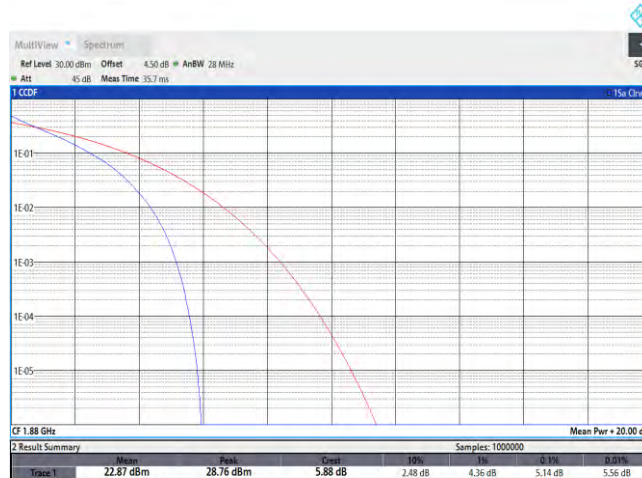
Test Graphs

Band2-20MHz-QPSK-18700-100RB#0



02:26:51 27.04.2023

Band2-20MHz-QPSK-18900-100RB#0



02:27:41 27.04.2023



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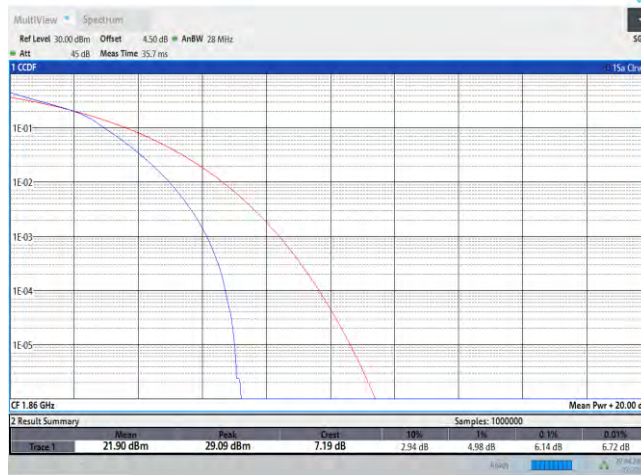
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Band2-20MHz-QPSK-19100-100RB#0



02:28:31 27.04.2023

Band2-20MHz-16QAM-18700-100RB#0



02:27:08 27.04.2023



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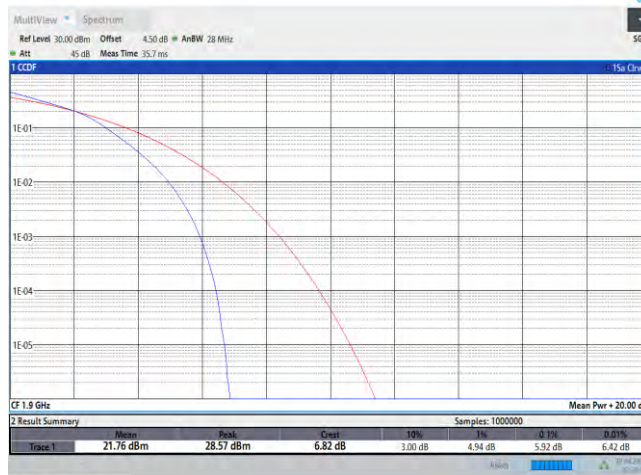
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Band2-20MHz-16QAM-18900-100RB#0



02:27:57 27.04.2023

Band2-20MHz-16QAM-19100-100RB#0



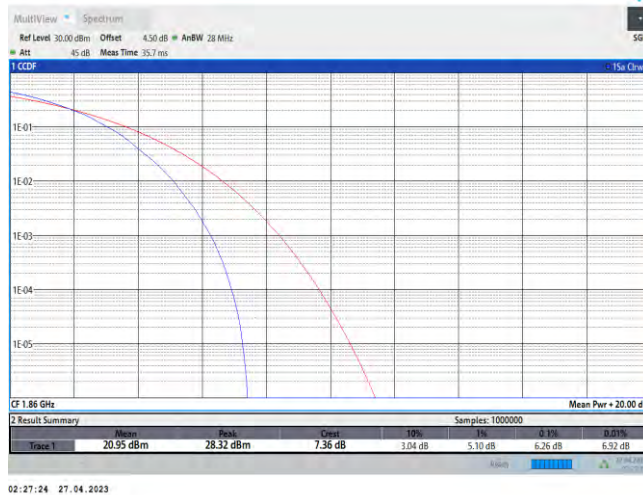
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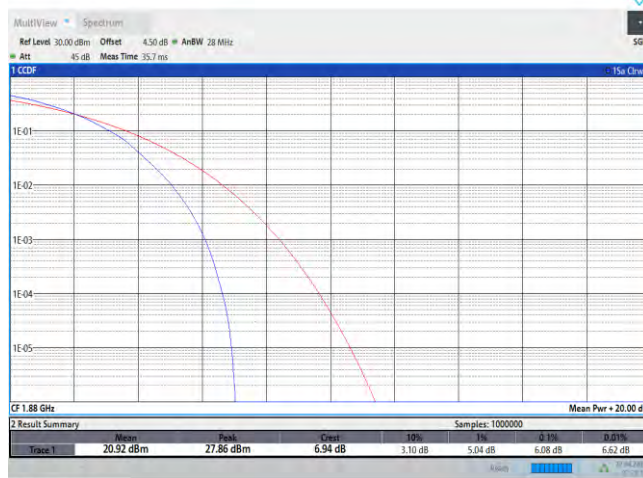
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Band2-20MHz-64QAM-18700-100RB#0



02:27:24 27.04.2023

Band2-20MHz-64QAM-18900-100RB#0



02:28:14 27.04.2023



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Band2-20MHz-64QAM-19100-100RB#0



02:29:03 27.04.2023



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Modulation Characteristics

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result	Verdict
Band2	20MHz	QPSK	18900	100RB#0	PASS	PASS
Band2	20MHz	16QAM	18900	100RB#0	PASS	PASS
Band2	20MHz	64QAM	18900	100RB#0	PASS	PASS



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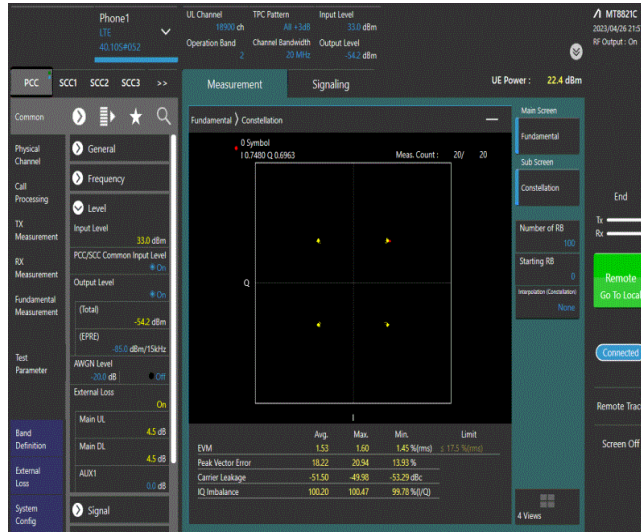
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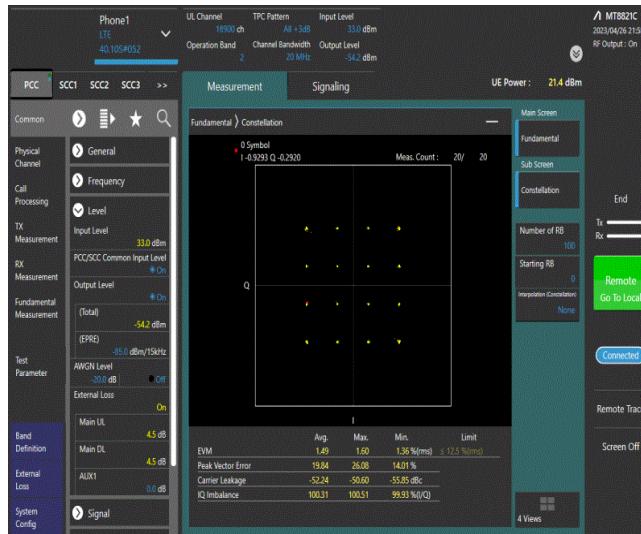
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Test Graphs

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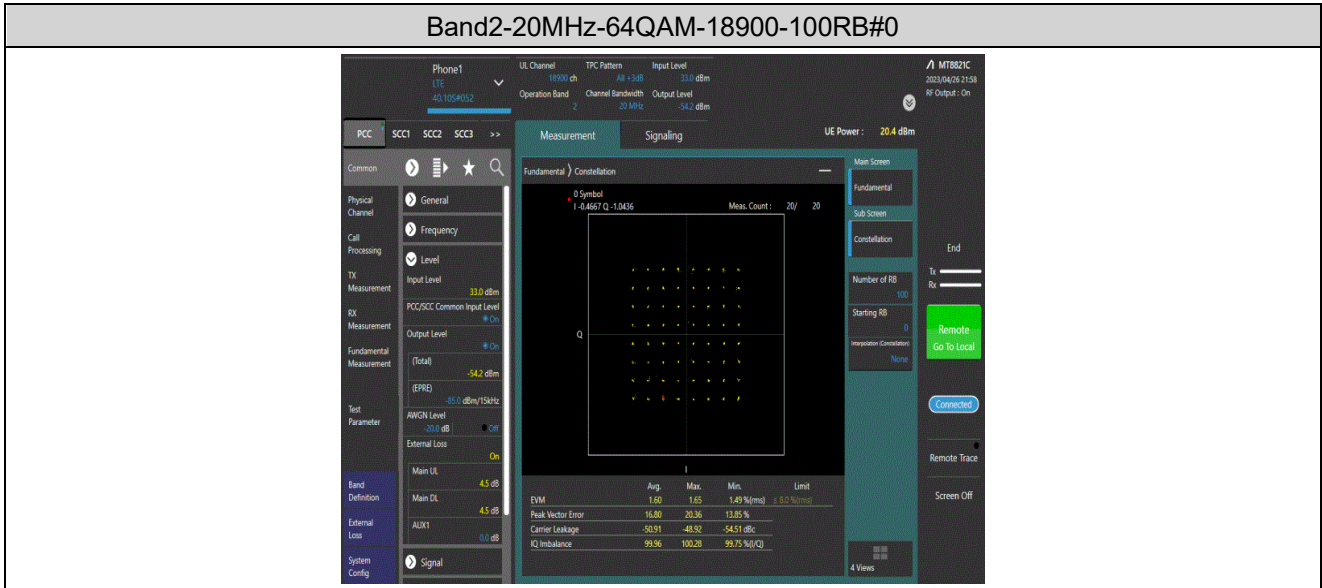


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26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band2	1.4MHz	QPSK	18607	6RB#0	1.082	1.26	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	1.091	1.29	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	1.089	1.28	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	1.091	1.27	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	1.090	1.28	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	1.089	1.30	PASS
Band2	1.4MHz	64QAM	18607	6RB#0	1.090	1.26	PASS
Band2	1.4MHz	64QAM	18900	6RB#0	1.093	1.26	PASS
Band2	1.4MHz	64QAM	19193	6RB#0	1.093	1.27	PASS
Band2	3MHz	QPSK	18615	15RB#0	2.683	2.88	PASS
Band2	3MHz	QPSK	18900	15RB#0	2.685	2.86	PASS
Band2	3MHz	QPSK	19185	15RB#0	2.698	2.90	PASS
Band2	3MHz	16QAM	18615	15RB#0	2.686	2.88	PASS
Band2	3MHz	16QAM	18900	15RB#0	2.681	2.90	PASS
Band2	3MHz	16QAM	19185	15RB#0	2.685	2.89	PASS
Band2	3MHz	64QAM	18615	15RB#0	2.683	2.88	PASS
Band2	3MHz	64QAM	18900	15RB#0	2.684	2.87	PASS
Band2	3MHz	64QAM	19185	15RB#0	2.687	2.89	PASS
Band2	5MHz	QPSK	18625	25RB#0	4.466	4.78	PASS
Band2	5MHz	QPSK	18900	25RB#0	4.467	4.75	PASS
Band2	5MHz	QPSK	19175	25RB#0	4.471	4.77	PASS
Band2	5MHz	16QAM	18625	25RB#0	4.464	4.80	PASS
Band2	5MHz	16QAM	18900	25RB#0	4.460	4.77	PASS
Band2	5MHz	16QAM	19175	25RB#0	4.458	4.80	PASS
Band2	5MHz	64QAM	18625	25RB#0	4.497	4.81	PASS
Band2	5MHz	64QAM	18900	25RB#0	4.485	4.84	PASS
Band2	5MHz	64QAM	19175	25RB#0	4.475	4.81	PASS
Band2	10MHz	QPSK	18650	50RB#0	8.924	9.48	PASS
Band2	10MHz	QPSK	18900	50RB#0	8.917	9.42	PASS
Band2	10MHz	QPSK	19150	50RB#0	8.928	9.40	PASS
Band2	10MHz	16QAM	18650	50RB#0	8.926	9.50	PASS



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Band2	10MHz	16QAM	18900	50RB#0	8.924	9.46	PASS
Band2	10MHz	16QAM	19150	50RB#0	8.932	9.46	PASS
Band2	10MHz	64QAM	18650	50RB#0	8.951	9.58	PASS
Band2	10MHz	64QAM	18900	50RB#0	8.949	9.42	PASS
Band2	10MHz	64QAM	19150	50RB#0	8.937	9.54	PASS
Band2	15MHz	QPSK	18675	75RB#0	13.478	14.40	PASS
Band2	15MHz	QPSK	18900	75RB#0	13.449	14.34	PASS
Band2	15MHz	QPSK	19125	75RB#0	13.474	14.49	PASS
Band2	15MHz	16QAM	18675	75RB#0	13.410	14.49	PASS
Band2	15MHz	16QAM	18900	75RB#0	13.432	14.46	PASS
Band2	15MHz	16QAM	19125	75RB#0	13.464	14.40	PASS
Band2	15MHz	64QAM	18675	75RB#0	13.441	14.43	PASS
Band2	15MHz	64QAM	18900	75RB#0	13.496	14.49	PASS
Band2	15MHz	64QAM	19125	75RB#0	13.461	14.49	PASS
Band2	20MHz	QPSK	18700	100RB#0	17.841	19.16	PASS
Band2	20MHz	QPSK	18900	100RB#0	17.909	19.24	PASS
Band2	20MHz	QPSK	19100	100RB#0	17.827	19.20	PASS
Band2	20MHz	16QAM	18700	100RB#0	17.802	19.16	PASS
Band2	20MHz	16QAM	18900	100RB#0	17.882	19.20	PASS
Band2	20MHz	16QAM	19100	100RB#0	17.898	18.88	PASS
Band2	20MHz	64QAM	18700	100RB#0	17.868	19.00	PASS
Band2	20MHz	64QAM	18900	100RB#0	17.887	19.12	PASS
Band2	20MHz	64QAM	19100	100RB#0	17.845	19.20	PASS



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Test Graphs

Band2-1.4MHz-QPSK-18607-6RB#0



16:57:40 01.05.2023

Band2-1.4MHz-QPSK-18900-6RB#0



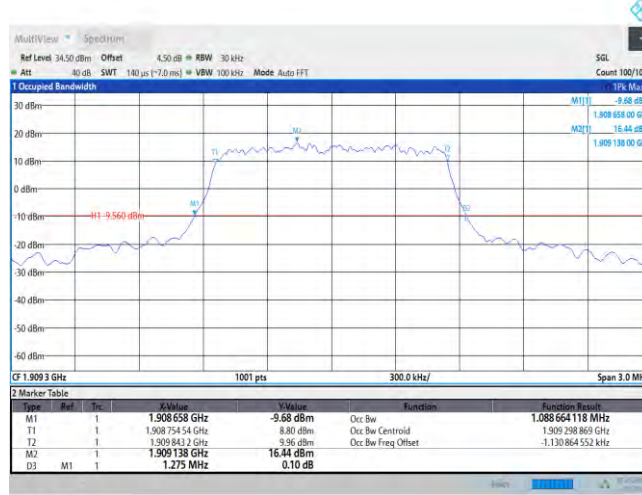
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Band2-1.4MHz-QPSK-19193-6RB#0



16:59:07 01.05.2023

Band2-1.4MHz-16QAM-18607-6RB#0



16:57:54 01.05.2023



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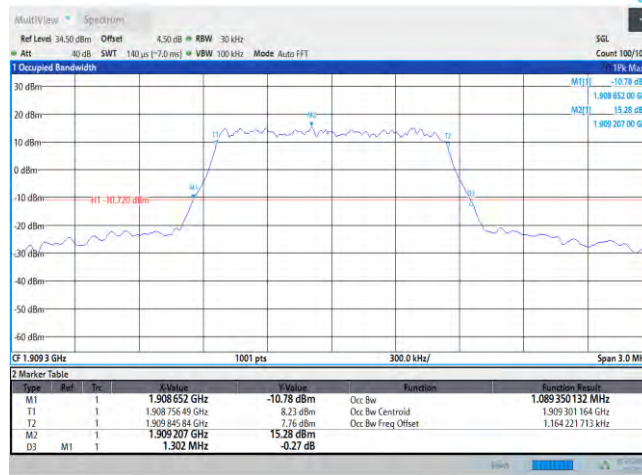
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Band2-1.4MHz-16QAM-18900-6RB#0



16:58:38 01.05.2023

Band2-1.4MHz-16QAM-19193-6RB#0



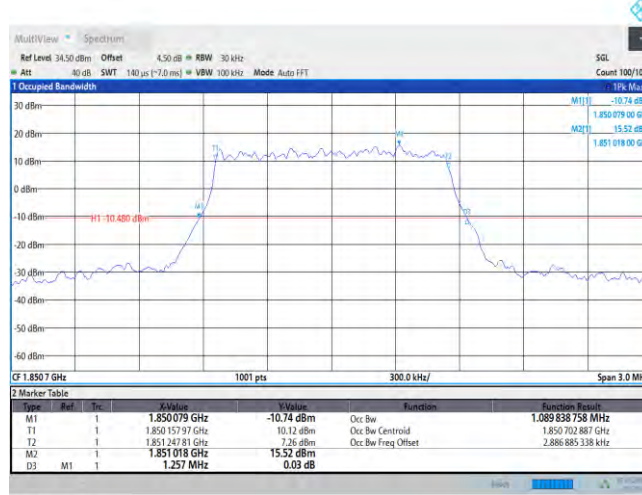
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Band2-1.4MHz-64QAM-18607-6RB#0



16:58:09 01.05.2023

Band2-1.4MHz-64QAM-18900-6RB#0



16:58:52 01.05.2023



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Band2-1.4MHz-64QAM-19193-6RB#0



16:59:36 01.05.2023

Band2-3MHz-QPSK-18615-15RB#0



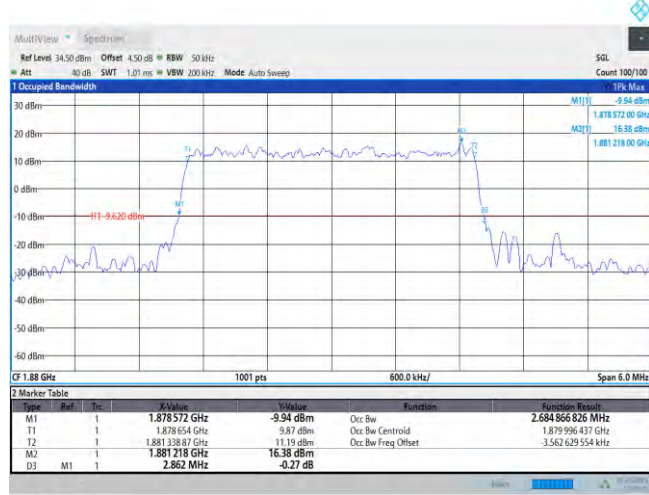
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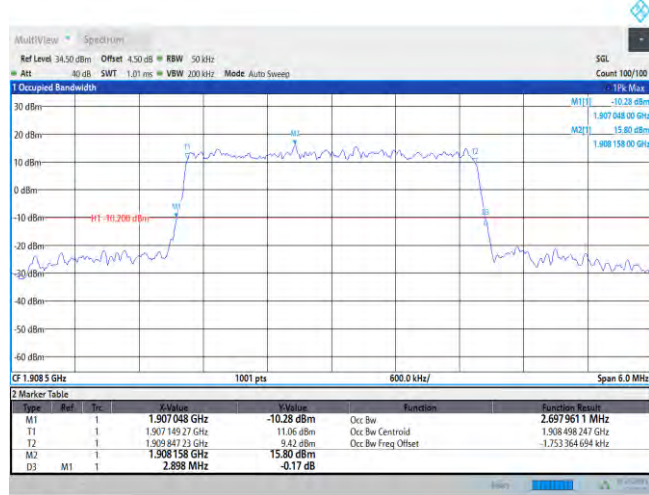
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Band2-3MHz-QPSK-18900-15RB#0



17:00:50 01.05.2023

Band2-3MHz-QPSK-19185-15RB#0



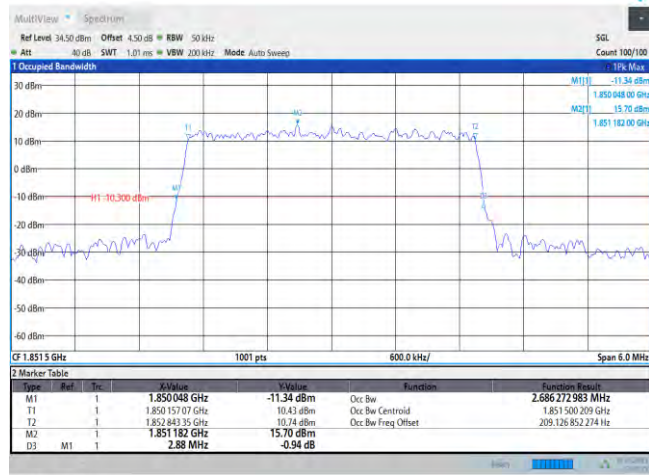
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Band2-3MHz-16QAM-18615-15RB#0



17:00:23 01.05.2023

Band2-3MHz-16QAM-18900-15RB#0



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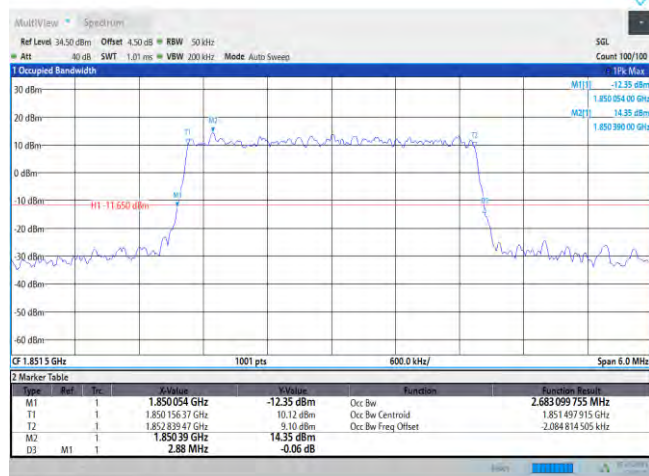
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Band2-3MHz-16QAM-19185-15RB#0



17:01:44 01.05.2023

Band2-3MHz-64QAM-18615-15RB#0



17:00:37 01.05.2023



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Band2-3MHz-64QAM-18900-15RB#0



17:01:17 01.05.2023

Band2-3MHz-64QAM-19185-15RB#0



17:01:57 01.05.2023



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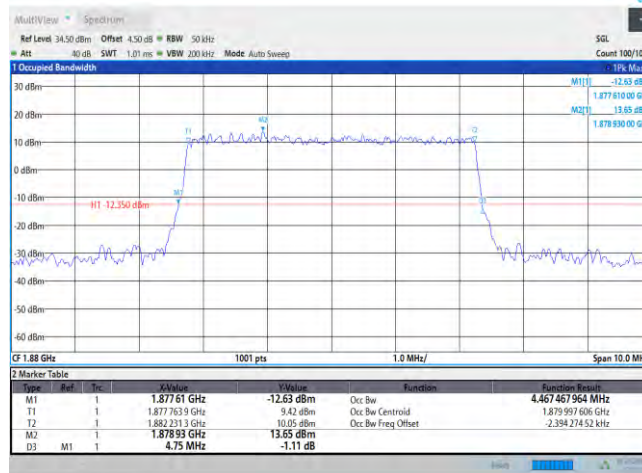
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Band2-5MHz-QPSK-18625-25RB#0



17:02:31 01.05.2023

Band2-5MHz-QPSK-18900-25RB#0



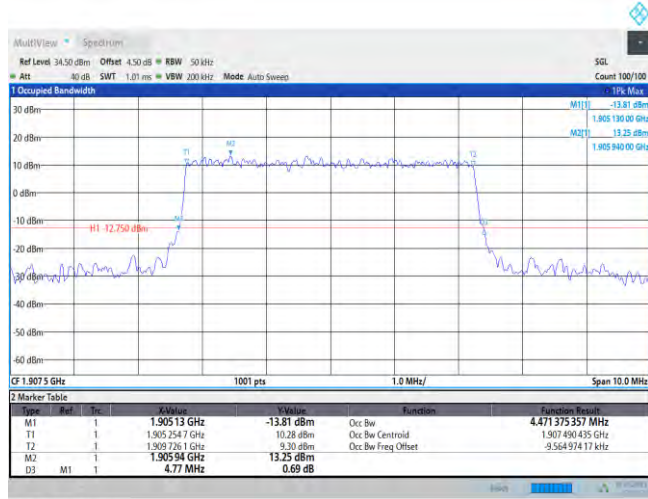
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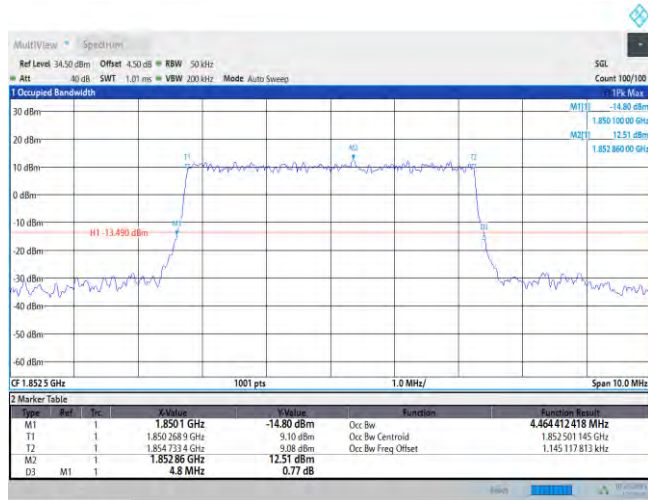
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Band2-5MHz-QPSK-19175-25RB#0



17:03:52 01.05.2023

Band2-5MHz-16QAM-18625-25RB#0



17:02:45 01.05.2023



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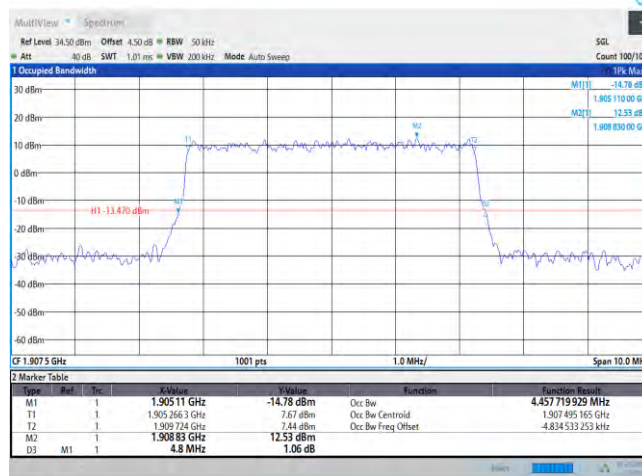
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Band2-5MHz-16QAM-18900-25RB#0



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Band2-5MHz-16QAM-19175-25RB#0



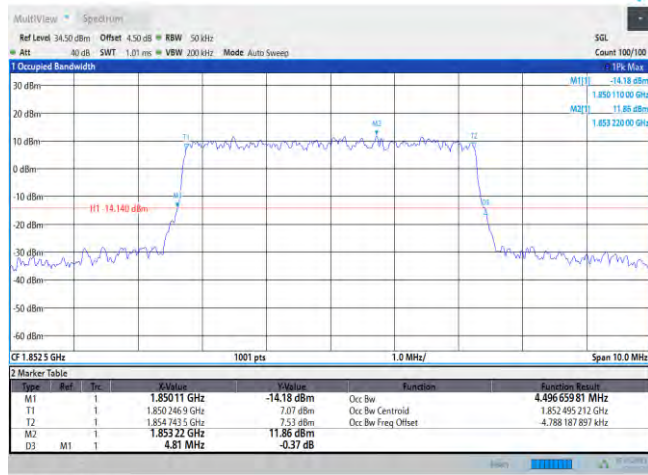
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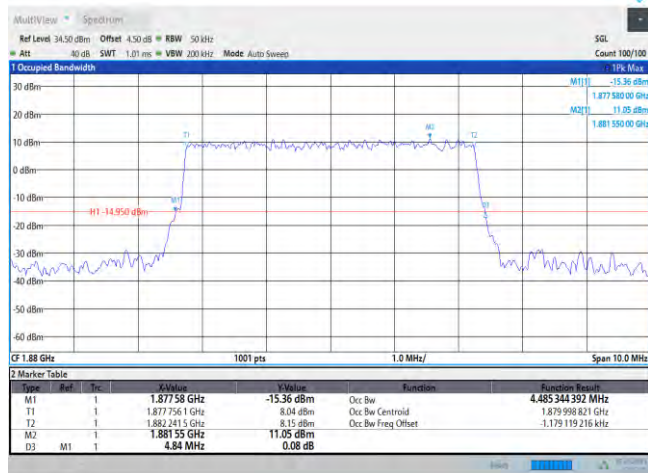
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Band2-5MHz-64QAM-18625-25RB#0



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Band2-5MHz-64QAM-18900-25RB#0



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Band2-5MHz-64QAM-19175-25RB#0



17:04:18 01.05.2023

Band2-10MHz-QPSK-18650-50RB#0



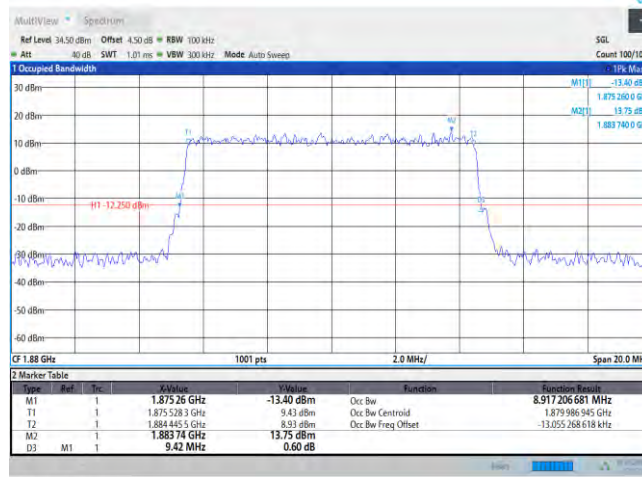
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Band2-10MHz-QPSK-18900-50RB#0



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Band2-10MHz-QPSK-19150-50RB#0



17:06:13 01.05.2023



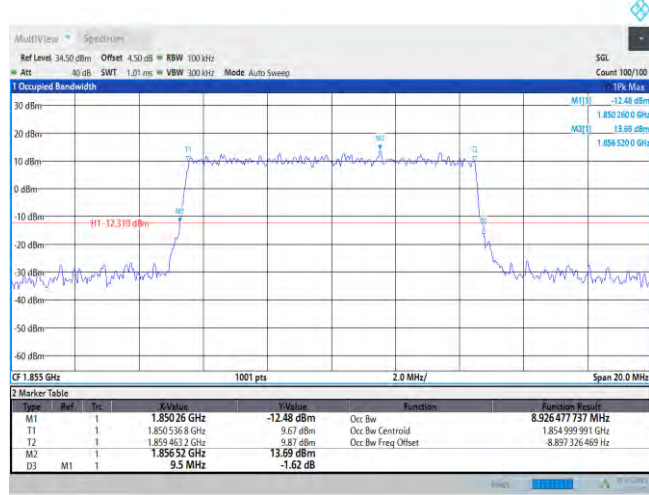
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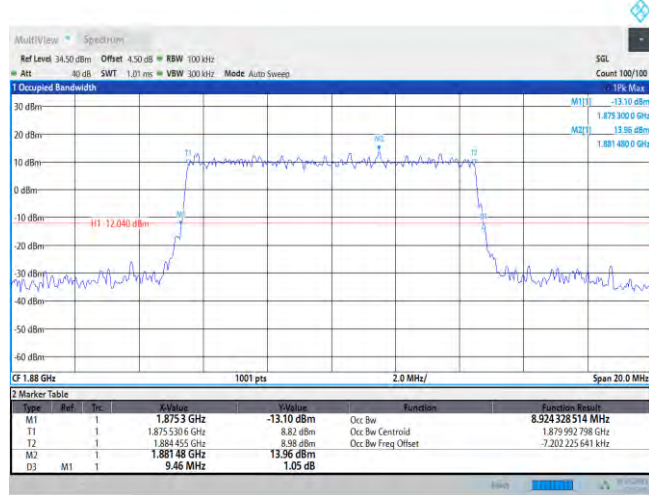
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Band2-10MHz-16QAM-18650-50RB#0



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Band2-10MHz-16QAM-18900-50RB#0



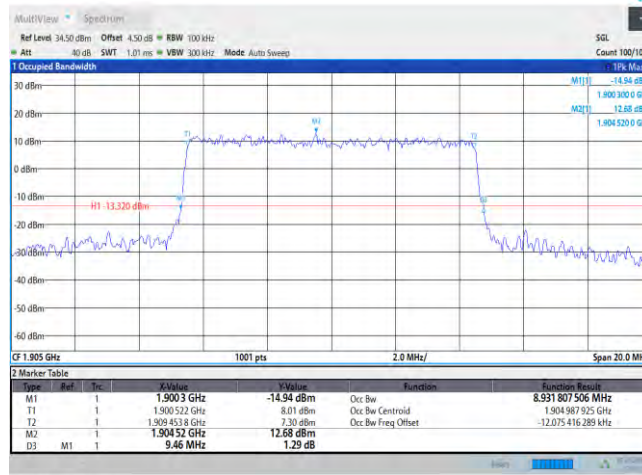
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Band2-10MHz-16QAM-19150-50RB#0



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Band2-10MHz-64QAM-18650-50RB#0



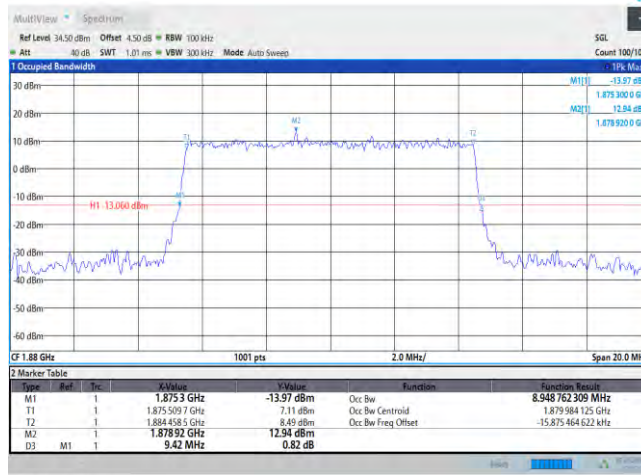
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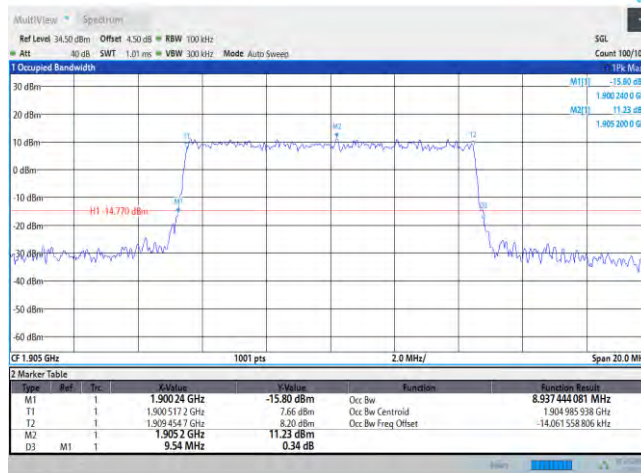
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Band2-10MHz-64QAM-18900-50RB#0



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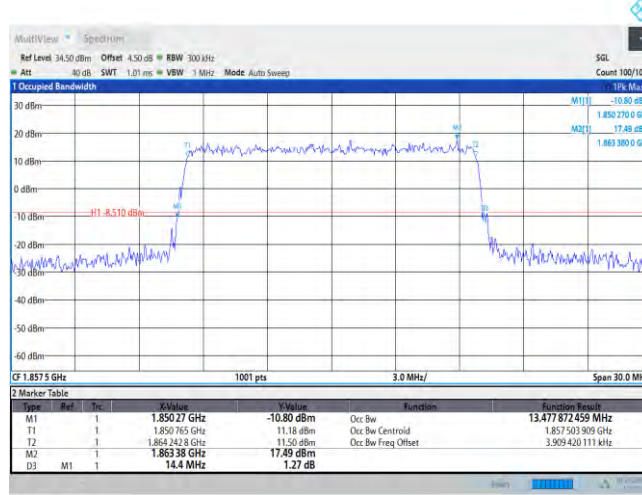
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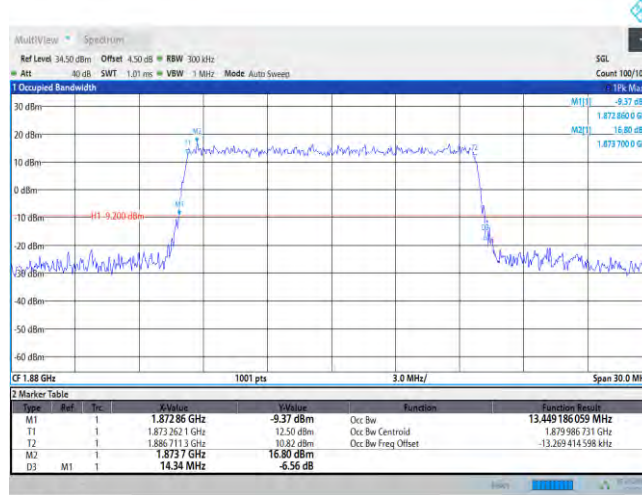
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Band2-15MHz-QPSK-18675-75RB#0



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Band2-15MHz-QPSK-18900-75RB#0



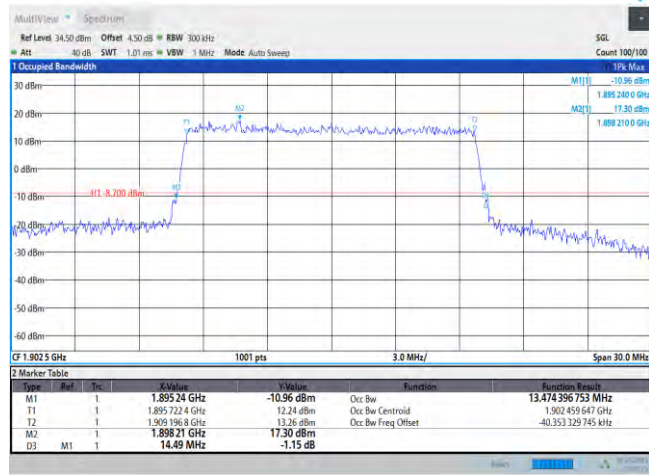
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Band2-15MHz-QPSK-19125-75RB#0



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Band2-15MHz-16QAM-18675-75RB#0



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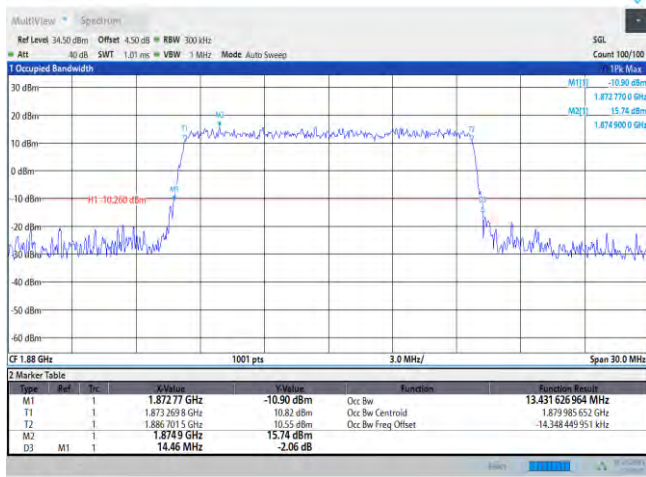


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Band2-15MHz-16QAM-18900-75RB#0



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Band2-15MHz-16QAM-19125-75RB#0



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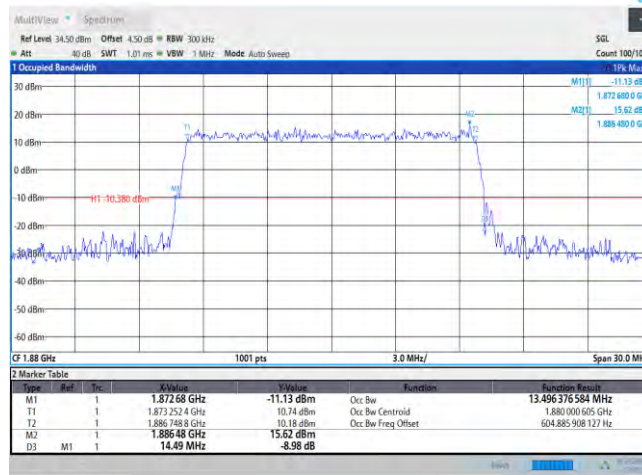
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Band2-15MHz-64QAM-18675-75RB#0



17:07:40 01.05.2023

Band2-15MHz-64QAM-18900-75RB#0



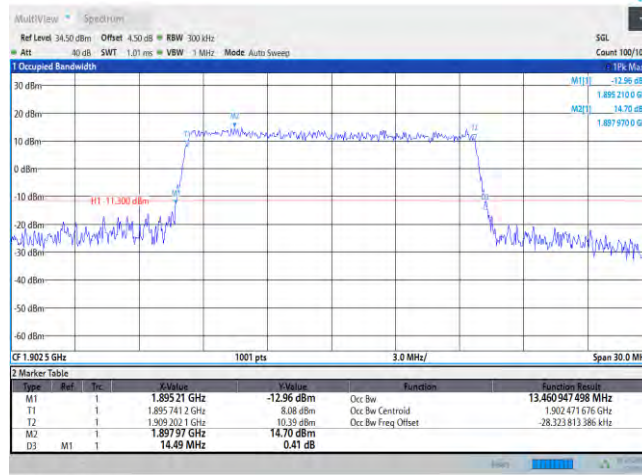
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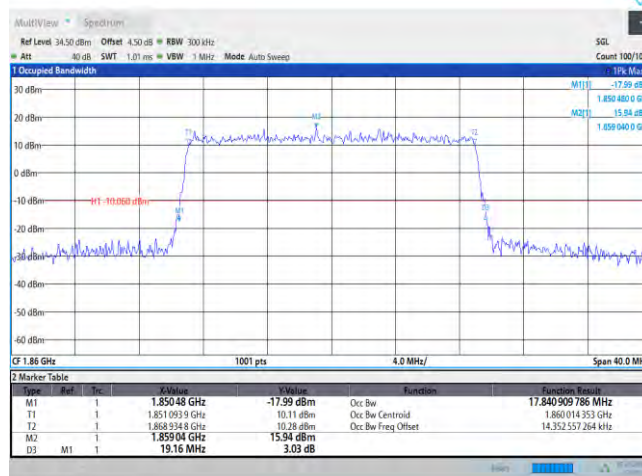
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Band2-15MHz-64QAM-19125-75RB#0



17:09:01 01.05.2023

Band2-20MHz-QPSK-18700-100RB#0



17:09:35 01.05.2023



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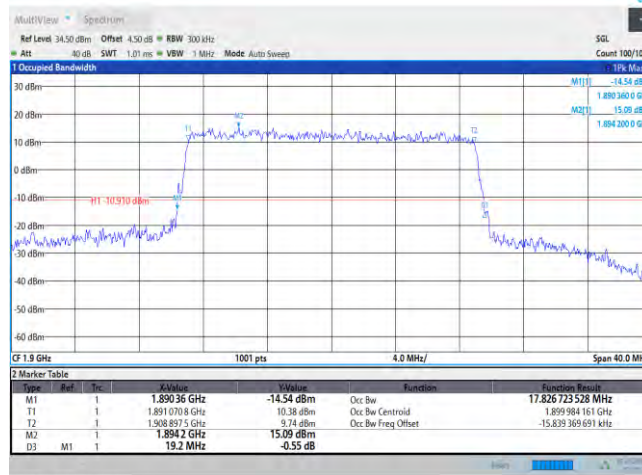
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Band2-20MHz-QPSK-18900-100RB#0



17:10:15 01.05.2023

Band2-20MHz-QPSK-19100-100RB#0



17:10:55 01.05.2023



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Band2-20MHz-16QAM-18700-100RB#0



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Band2-20MHz-16QAM-18900-100RB#0



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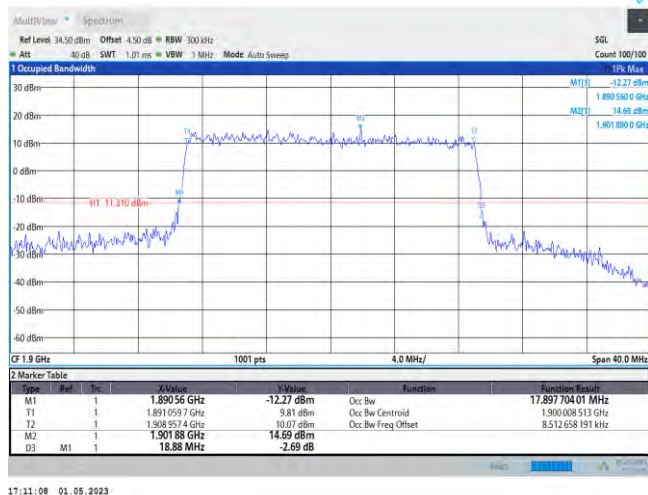


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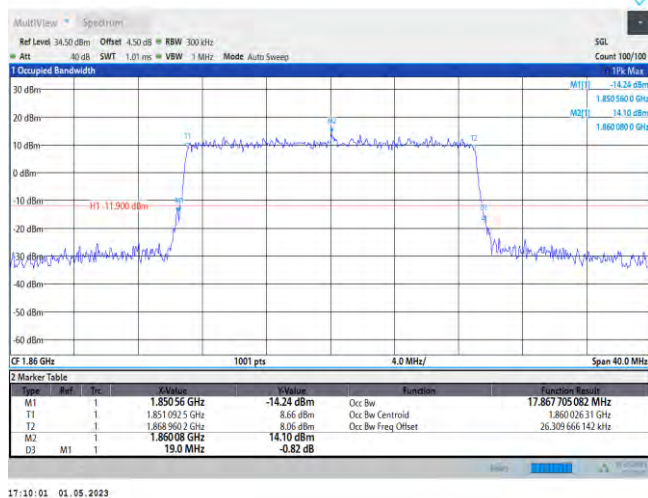
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Band2-20MHz-16QAM-19100-100RB#0



Band2-20MHz-64QAM-18700-100RB#0

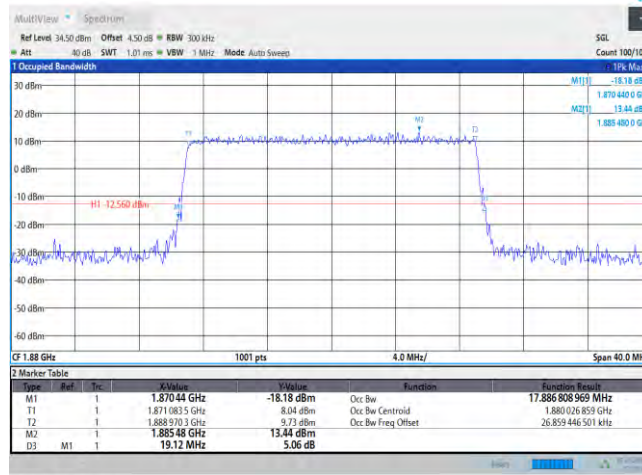


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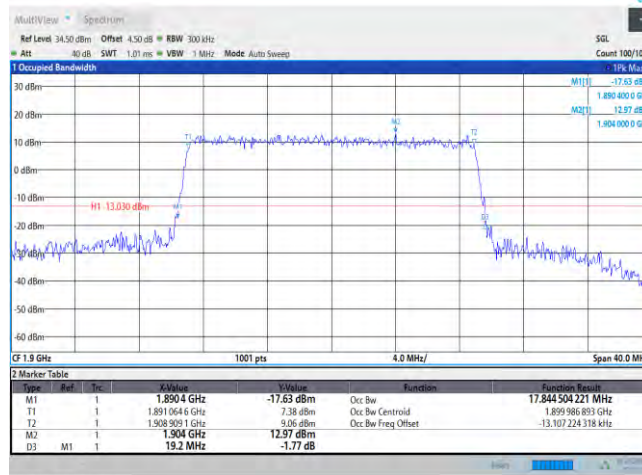
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Band2-20MHz-64QAM-18900-100RB#0



17:10:42 01.05.2023

Band2-20MHz-64QAM-19100-100RB#0



17:11:22 01.05.2023



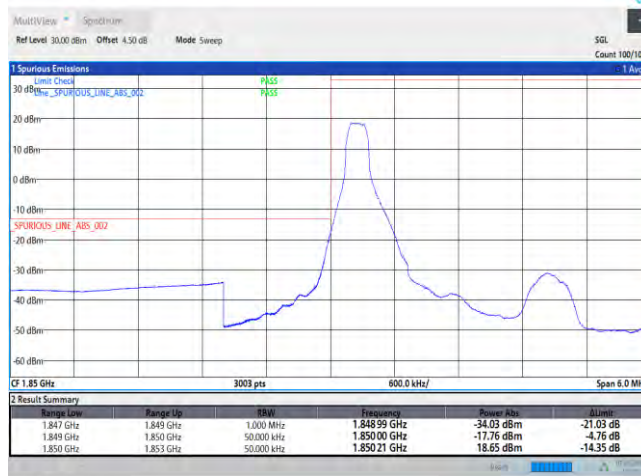
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Band Edge

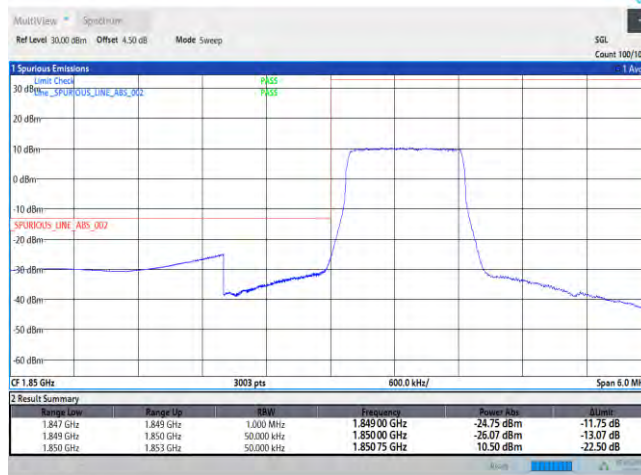
Test Graphs

Band2-1.4MHz-QPSK-18607-1RB#0



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Band2-1.4MHz-QPSK-18607-6RB#0



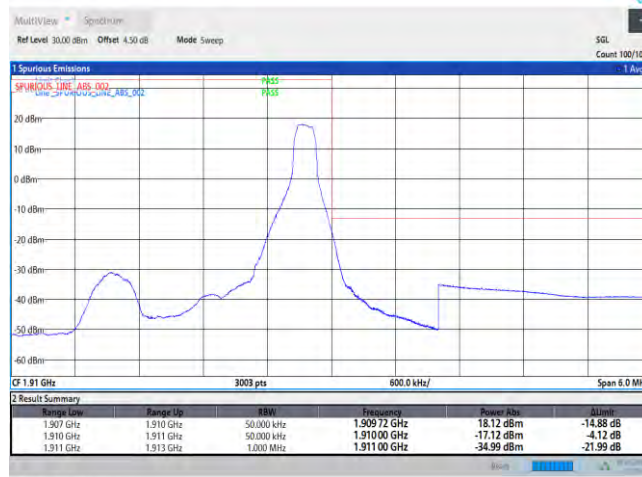
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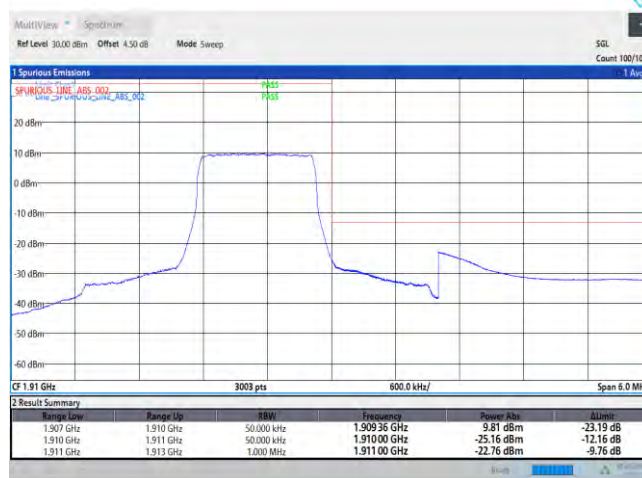
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Band2-1.4MHz-QPSK-19193-1RB#5



17:34:07 01.05.2023

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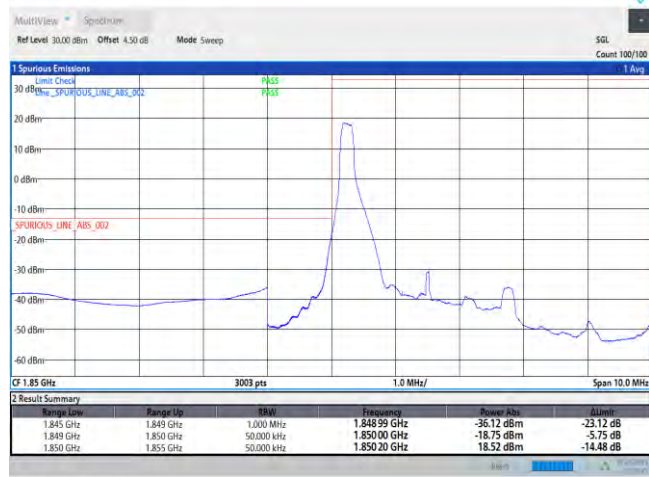
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Band2-3MHz-QPSK-18615-1RB#0



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Band2-3MHz-QPSK-18615-15RB#0



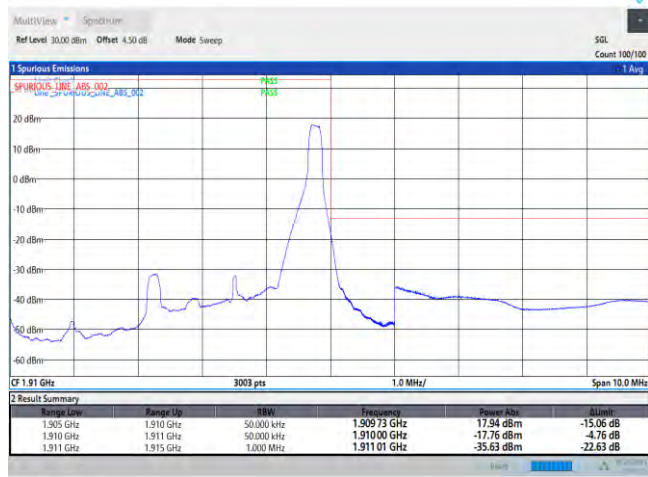
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Band2-3MHz-QPSK-19185-1RB#14



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Band2-3MHz-QPSK-19185-15RB#0



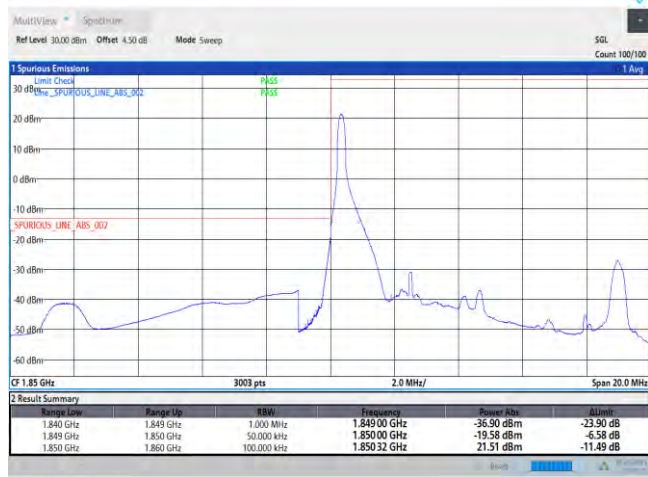
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Band2-5MHz-QPSK-18625-1RB#0



17:47:40 01.05.2023

Band2-5MHz-QPSK-18625-25RB#0



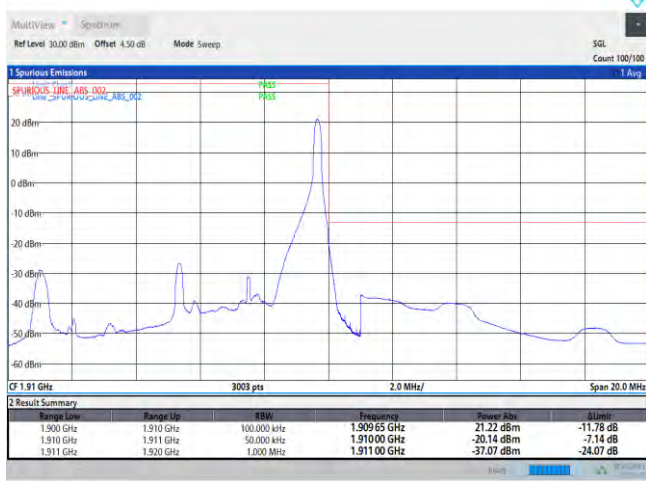
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Band2-5MHz-QPSK-19175-1RB#24



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Band2-5MHz-QPSK-19175-25RB#0



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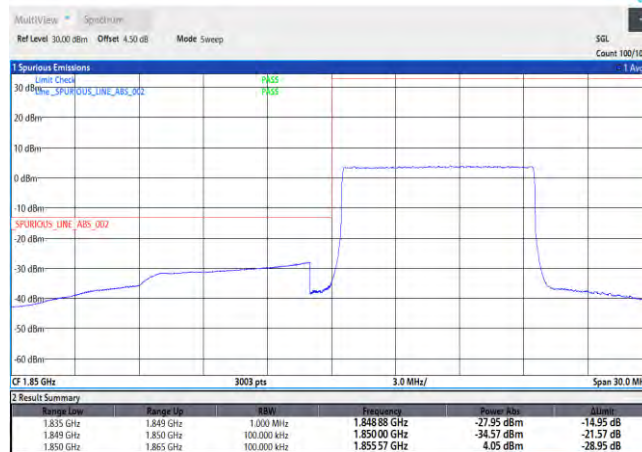
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Band2-10MHz-QPSK-18650-1RB#0



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Band2-10MHz-QPSK-18650-50RB#0



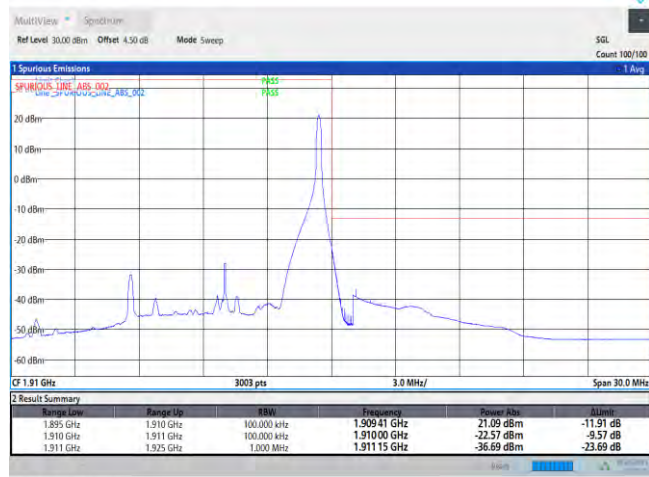
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Band2-10MHz-QPSK-19150-1RB#49



17:59:30 01.05.2023

Band2-10MHz-QPSK-19150-50RB#0



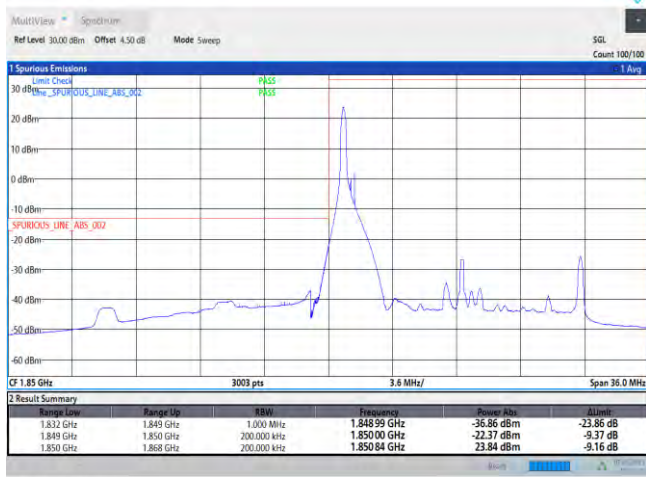
18:01:15 01.05.2023



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Band2-15MHz-QPSK-18675-1RB#0



18:03:24 01.05.2023

Band2-15MHz-QPSK-18675-75RB#0



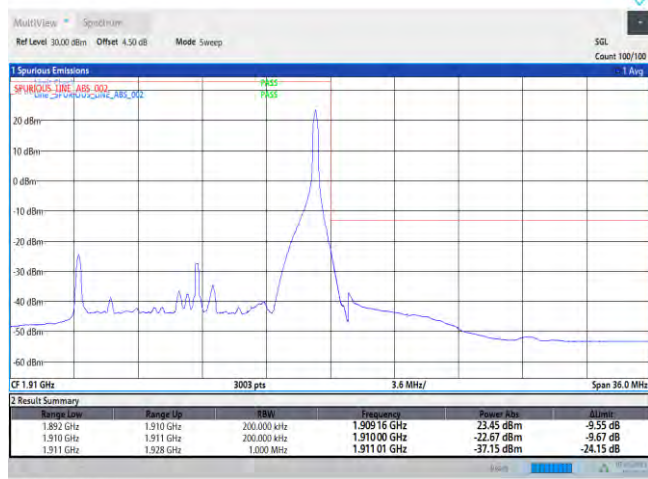
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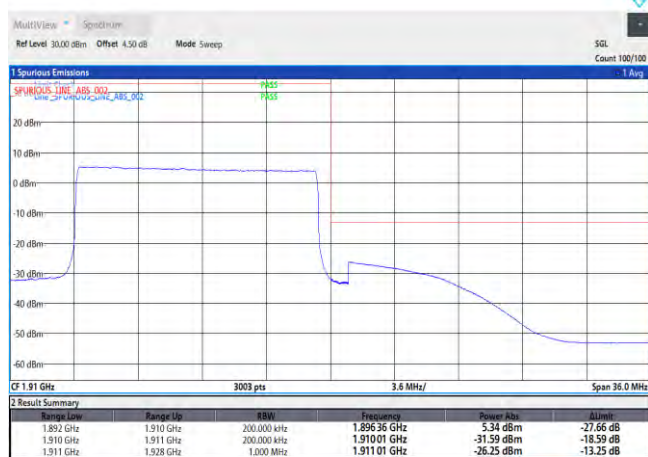
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Band2-15MHz-QPSK-19125-1RB#74



18:07:17 01.05.2023

Band2-15MHz-QPSK-19125-75RB#0



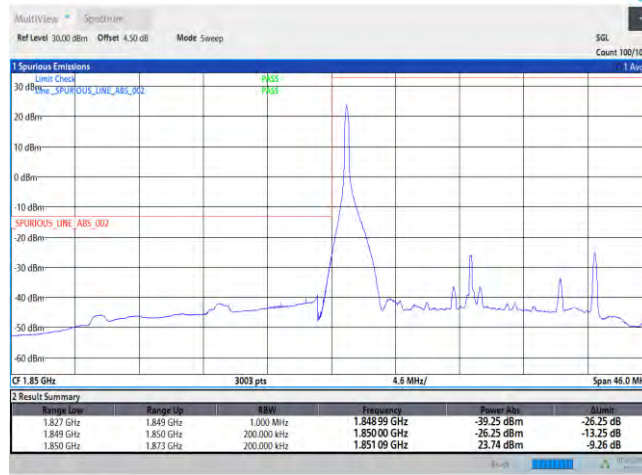
18:09:01 01.05.2023



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Band2-20MHz-QPSK-18700-1RB#0



18:11:10 01.05.2023

Band2-20MHz-QPSK-18700-100RB#0



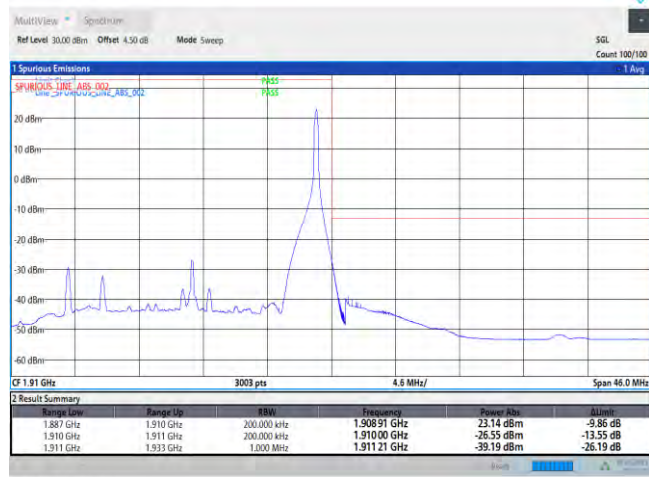
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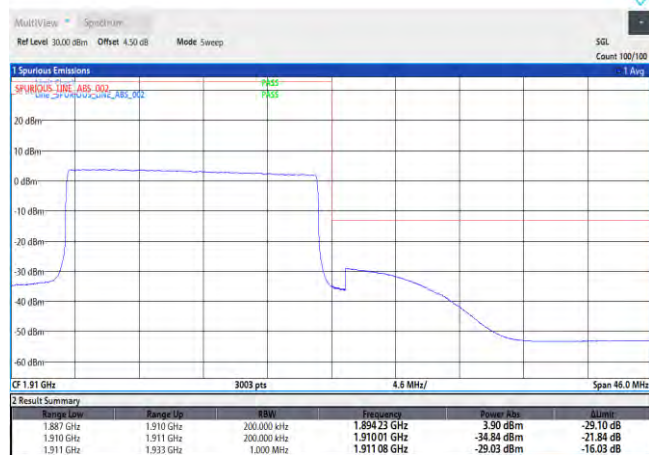
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Band2-20MHz-QPSK-19100-1RB#99



18:15:03 01.05.2023

Band2-20MHz-QPSK-19100-100RB#0



18:16:48 01.05.2023



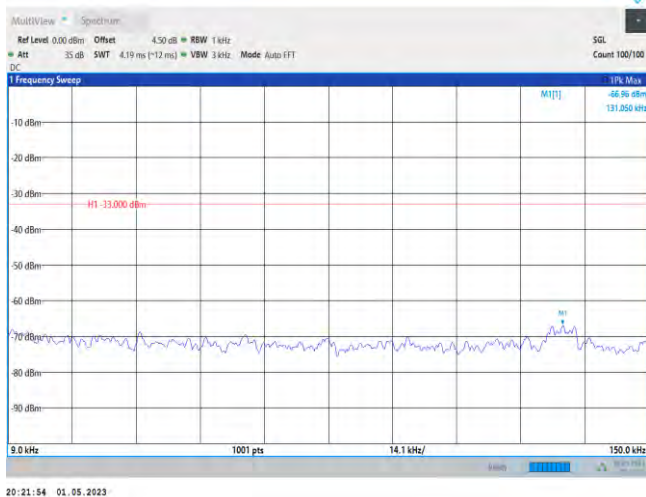
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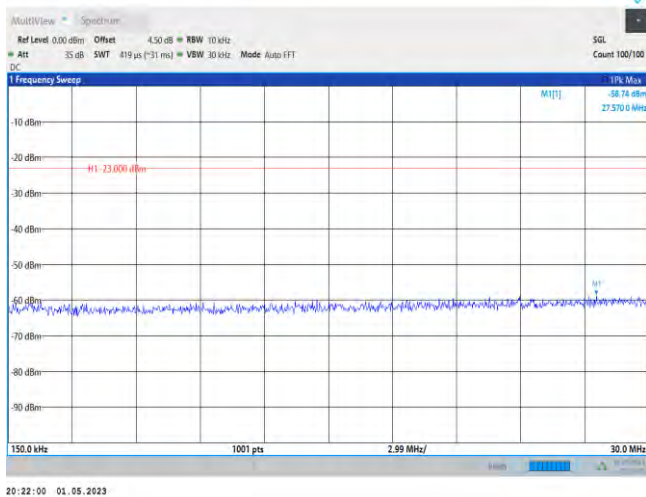
Conducted Spurious Emission

Test Graphs

Band2-20MHz-QPSK-18700-1RB#0-Range1:0.009~0.15MHz



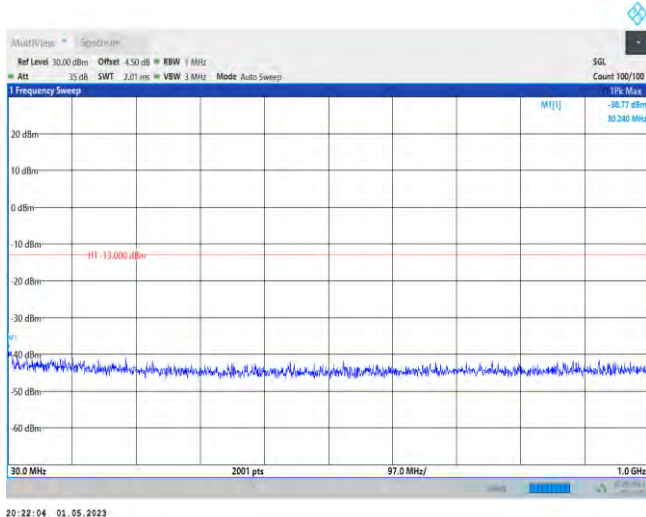
Band2-20MHz-QPSK-18700-1RB#0-Range2:0.15~30MHz



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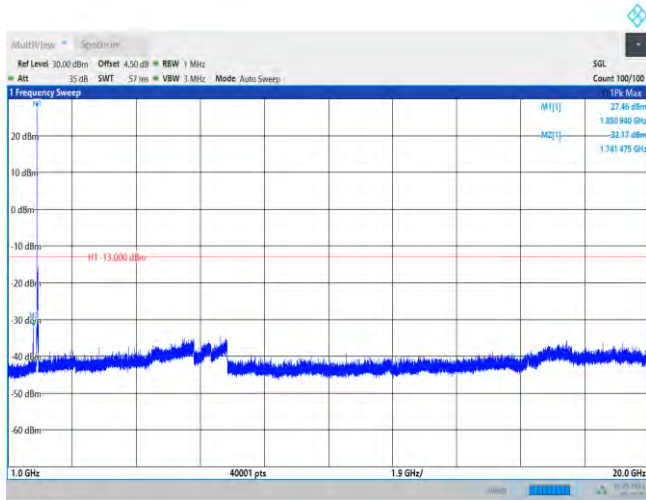
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Band2-20MHz-QPSK-18700-1RB#0-Range3:30~1000MHz



20:22:04 01.05.2023

Band2-20MHz-QPSK-18700-1RB#0-Range4:1000~20000MHz



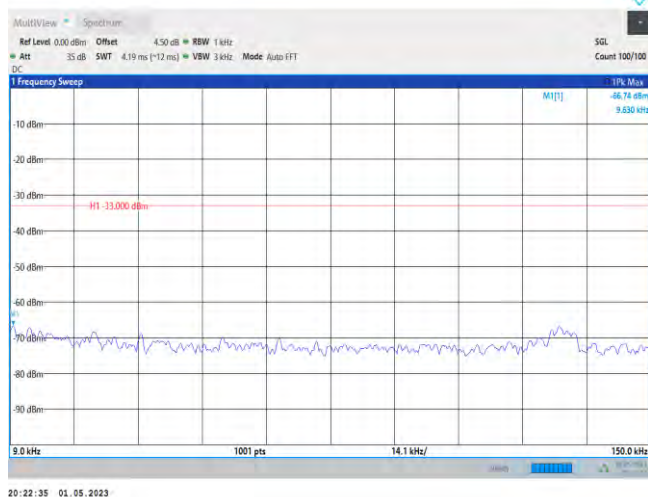
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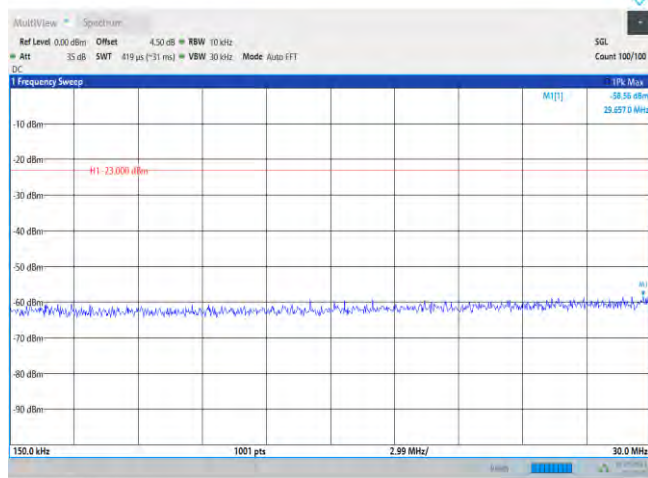
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Band2-20MHz-QPSK-18900-1RB#0-Range1:0.009~0.15MHz



20:22:35 01.05.2023

Band2-20MHz-QPSK-18900-1RB#0-Range2:0.15~30MHz



20:22:41 01.05.2023

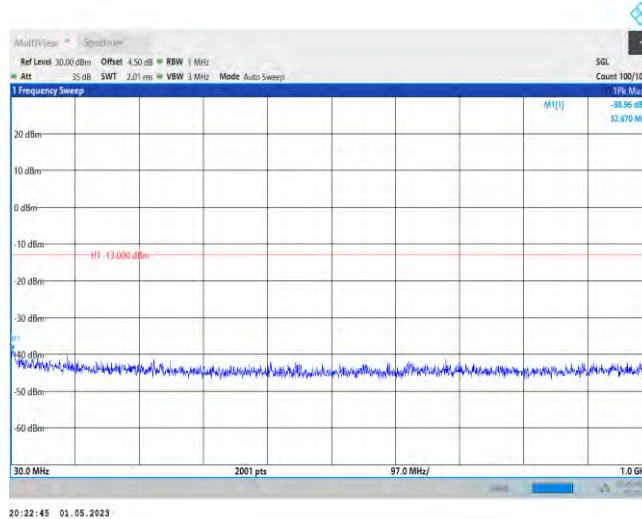


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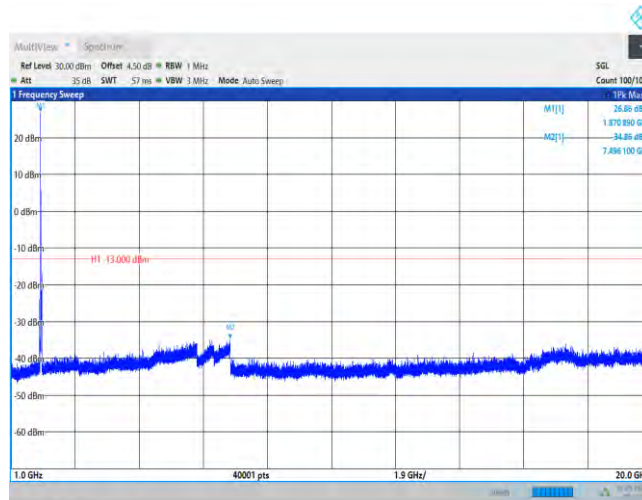
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Band2-20MHz-QPSK-18900-1RB#0-Range3:30~1000MHz



20:22:45 01.05.2023

Band2-20MHz-QPSK-18900-1RB#0-Range4:1000~20000MHz



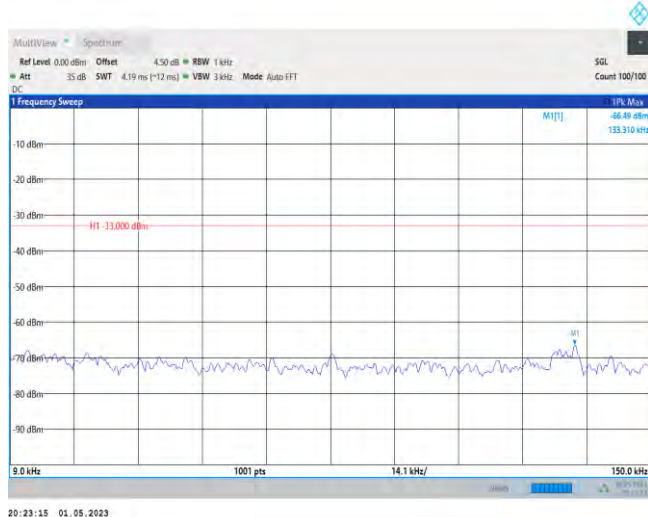
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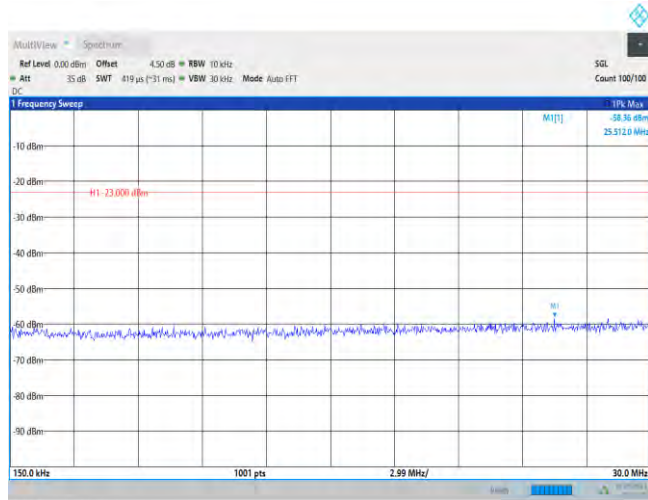
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Band2-20MHz-QPSK-19100-1RB#0-Range1:0.009~0.15MHz



20:23:15 01.05.2023

Band2-20MHz-QPSK-19100-1RB#0-Range2:0.15~30MHz



20:23:21 01.05.2023

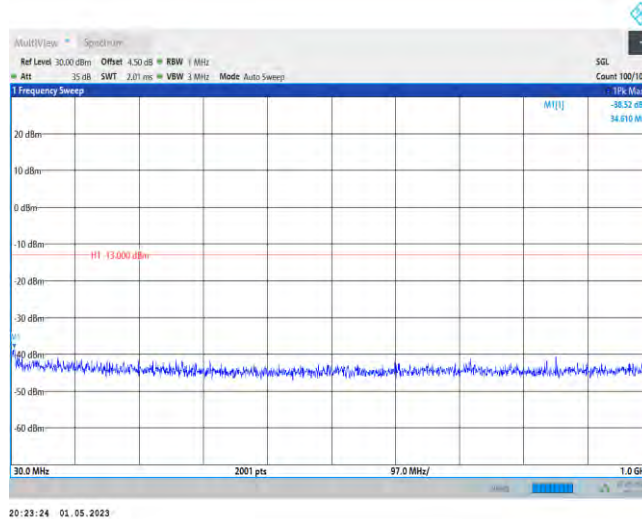


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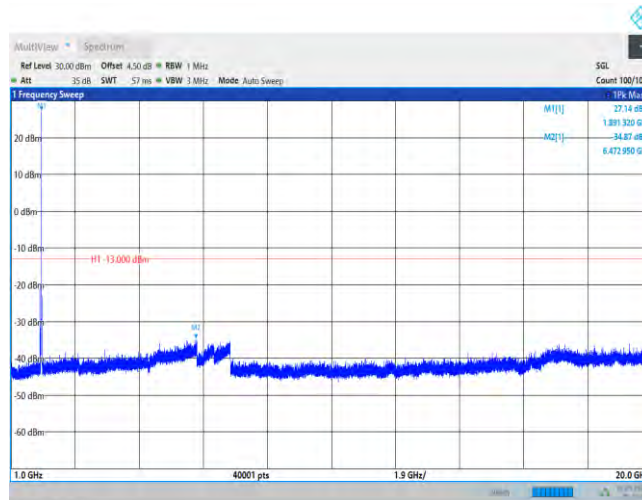
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Band2-20MHz-QPSK-19100-1RB#0-Range3:30~1000MHz



20:23:24 01.05.2023

Band2-20MHz-QPSK-19100-1RB#0-Range4:1000~20000MHz



20:23:40 01.05.2023



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Field Strength of Spurious Radiation

Test Band = LTE B2_20MHz_TM1
 Test Channel = Low

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3702	55.20	-45.51	29.98	-55.59	-13.00	42.59	102	359	Horizontal
2	5553	45.96	-45.15	32.97	-61.48	-13.00	48.48	174	344	Horizontal
3	7404.3600	40.65	-43.40	36.49	-61.52	-13.00	48.52	165	352	Horizontal
4	9255.4500	37.70	-40.23	38.38	-59.41	-13.00	46.41	132	344	Horizontal
5	11106.5400	33.31	-37.93	39.09	-60.79	-13.00	47.79	211	359	Horizontal
6	12957.6300	32.98	-37.24	39.79	-59.73	-13.00	46.73	214	165	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3702	56.88	-45.51	29.98	-53.91	-13.00	40.91	155	257	Vertical
2	5553	48.24	-45.15	32.97	-59.20	-13.00	46.20	147	91	Vertical
3	7404.3600	45.44	-43.40	36.49	-56.73	-13.00	43.73	156	359	Vertical
4	9255.4500	43.54	-40.23	38.38	-53.57	-13.00	40.57	213	165	Vertical
5	11106.5400	33.51	-37.93	39.09	-60.59	-13.00	47.59	110	136	Vertical
6	12957.6300	32.54	-37.24	39.79	-60.17	-13.00	47.17	178	240	Vertical



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Test Band = LTE B2_20MHz _ TM1

Test Channel = Mid

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3742.1800	58.69	-45.68	30.12	-52.13	-13.00	39.13	216	112	Horizontal
2	5613	50.88	-45.04	33.07	-56.35	-13.00	43.35	163	218	Horizontal
3	7484.25	45.71	-43.18	36.45	-56.28	-13.00	43.28	155	155	Horizontal
4	9355.4500	39.14	-40.00	38.46	-57.67	-13.00	44.67	142	155	Horizontal
5	11226.5400	34.29	-37.40	39.11	-59.26	-13.00	46.26	196	141	Horizontal
6	13097.6300	32.39	-37.01	39.87	-60.00	-13.00	47.00	185	360	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3742.1800	58.36	-45.68	30.12	-52.46	-13.00	39.46	102	59	Vertical
2	5613	48.38	-45.04	33.07	-58.85	-13.00	45.85	177	224	Vertical
3	7484.25	46.75	-43.18	36.45	-55.24	-13.00	42.24	153	150	Vertical
4	9355.4500	48.57	-40.00	38.46	-48.24	-13.00	35.24	211	164	Vertical
5	11226.5400	34.45	-37.40	39.11	-59.10	-13.00	46.10	196	133	Vertical
6	13097.6300	32.80	-37.01	39.87	-59.59	-13.00	46.59	152	29	Vertical



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Test Band = LTE B2_20MHz _ TM1

Test Channel = High

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3782.1800	61.36	-45.85	30.27	-49.48	-13.00	36.48	123	103	Horizontal
2	5673	50.15	-44.91	33.29	-56.73	-13.00	43.73	145	164	Horizontal
3	7564.3600	42.01	-43.00	36.41	-59.85	-13.00	46.85	162	74	Horizontal
4	9455.4500	36.44	-40.05	38.48	-60.40	-13.00	47.40	177	13	Horizontal
5	11346.5400	33.27	-37.40	39.11	-60.28	-13.00	47.28	196	117	Horizontal
6	13237.6300	32.35	-37.08	39.96	-60.02	-13.00	47.02	219	209	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3782.1800	63.30	-45.85	30.27	-47.54	-13.00	34.54	168	87	Vertical
2	5673	48.75	-44.91	33.29	-58.13	-13.00	45.13	147	222	Vertical
3	7564.3600	45.54	-43.00	36.41	-56.32	-13.00	43.32	214	352	Vertical
4	9455.25	47.95	-40.05	38.48	-48.88	-13.00	35.88	162	164	Vertical
5	11346.5400	32.82	-37.40	39.11	-60.73	-13.00	47.73	166	352	Vertical
6	13237.6300	31.83	-37.08	39.96	-60.54	-13.00	47.54	155	222	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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Frequency Stability

Test Result

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band2	20MHz	QPSK	18900	100RB#0	VL	NT	-8.00	-0.004255	PASS
Band2	20MHz	QPSK	18900	100RB#0	VN	NT	-9.90	-0.005266	PASS
Band2	20MHz	QPSK	18900	100RB#0	VH	NT	-7.80	-0.004149	PASS

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band2	20MHz	QPSK	18900	100RB#0	NV	-30	-1.60	-0.000851	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	-20	-6.50	-0.003457	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	-10	-10.30	-0.005479	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	0	-7.10	-0.003777	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	10	-5.20	-0.002766	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	20	-8.80	-0.004681	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	30	-2.50	-0.001330	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	40	-7.20	-0.003830	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	50	-4.40	-0.002340	PASS

---End of Attachment---



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