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Appendix B.3

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	23.41	22.71	33	PASS
Band2	1.4MHz	QPSK	18607	1RB#2	23.5	22.8	33	PASS
Band2	1.4MHz	QPSK	18607	1RB#5	23.41	22.71	33	PASS
Band2	1.4MHz	QPSK	18607	6RB#0	22.58	21.88	33	PASS
Band2	1.4MHz	QPSK	18900	1RB#0	23.25	22.55	33	PASS
Band2	1.4MHz	QPSK	18900	1RB#2	23.38	22.68	33	PASS
Band2	1.4MHz	QPSK	18900	1RB#5	23.25	22.55	33	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	22.41	21.71	33	PASS
Band2	1.4MHz	QPSK	19193	1RB#0	23.16	22.46	33	PASS
Band2	1.4MHz	QPSK	19193	1RB#2	23.11	22.41	33	PASS
Band2	1.4MHz	QPSK	19193	1RB#5	22.73	22.03	33	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	22.21	21.51	33	PASS
Band2	1.4MHz	16QAM	18607	1RB#0	22.55	21.85	33	PASS
Band2	1.4MHz	16QAM	18607	1RB#2	22.78	22.08	33	PASS
Band2	1.4MHz	16QAM	18607	1RB#5	22.58	21.88	33	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	21.65	20.95	33	PASS
Band2	1.4MHz	16QAM	18900	1RB#0	22.43	21.73	33	PASS
Band2	1.4MHz	16QAM	18900	1RB#2	22.54	21.84	33	PASS
Band2	1.4MHz	16QAM	18900	1RB#5	22.42	21.72	33	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	21.5	20.8	33	PASS
Band2	1.4MHz	16QAM	19193	1RB#0	22.27	21.57	33	PASS
Band2	1.4MHz	16QAM	19193	1RB#2	22.08	21.38	33	PASS
Band2	1.4MHz	16QAM	19193	1RB#5	21.91	21.21	33	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	21.38	20.68	33	PASS
Band2	1.4MHz	64QAM	18607	1RB#0	21.51	20.81	33	PASS
Band2	1.4MHz	64QAM	18607	1RB#2	21.64	20.94	33	PASS
Band2	1.4MHz	64QAM	18607	1RB#5	21.55	20.85	33	PASS
Band2	1.4MHz	64QAM	18607	6RB#0	20.46	19.76	33	PASS
Band2	1.4MHz	64QAM	18900	1RB#0	21.48	20.78	33	PASS



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Band2	1.4MHz	64QAM	18900	1RB#2	21.65	20.95	33	PASS
Band2	1.4MHz	64QAM	18900	1RB#5	21.44	20.74	33	PASS
Band2	1.4MHz	64QAM	18900	6RB#0	20.42	19.72	33	PASS
Band2	1.4MHz	64QAM	19193	1RB#0	21.31	20.61	33	PASS
Band2	1.4MHz	64QAM	19193	1RB#2	21.39	20.69	33	PASS
Band2	1.4MHz	64QAM	19193	1RB#5	21.25	20.55	33	PASS
Band2	1.4MHz	64QAM	19193	6RB#0	20.26	19.56	33	PASS
Band2	3MHz	QPSK	18615	1RB#0	23.45	22.75	33	PASS
Band2	3MHz	QPSK	18615	1RB#8	23.52	22.82	33	PASS
Band2	3MHz	QPSK	18615	1RB#14	23.47	22.77	33	PASS
Band2	3MHz	QPSK	18615	15RB#0	22.57	21.87	33	PASS
Band2	3MHz	QPSK	18900	1RB#0	23.36	22.66	33	PASS
Band2	3MHz	QPSK	18900	1RB#8	23.33	22.63	33	PASS
Band2	3MHz	QPSK	18900	1RB#14	23.33	22.63	33	PASS
Band2	3MHz	QPSK	18900	15RB#0	22.35	21.65	33	PASS
Band2	3MHz	QPSK	19185	1RB#0	23.28	22.58	33	PASS
Band2	3MHz	QPSK	19185	1RB#8	23.32	22.62	33	PASS
Band2	3MHz	QPSK	19185	1RB#14	23.24	22.54	33	PASS
Band2	3MHz	QPSK	19185	15RB#0	22.36	21.66	33	PASS
Band2	3MHz	16QAM	18615	1RB#0	22.66	21.96	33	PASS
Band2	3MHz	16QAM	18615	1RB#8	22.61	21.91	33	PASS
Band2	3MHz	16QAM	18615	1RB#14	22.7	22	33	PASS
Band2	3MHz	16QAM	18615	15RB#0	21.59	20.89	33	PASS
Band2	3MHz	16QAM	18900	1RB#0	22.47	21.77	33	PASS
Band2	3MHz	16QAM	18900	1RB#8	22.46	21.76	33	PASS
Band2	3MHz	16QAM	18900	1RB#14	23.12	22.42	33	PASS
Band2	3MHz	16QAM	18900	15RB#0	21.4	20.7	33	PASS
Band2	3MHz	16QAM	19185	1RB#0	22.5	21.8	33	PASS
Band2	3MHz	16QAM	19185	1RB#8	22.42	21.72	33	PASS
Band2	3MHz	16QAM	19185	1RB#14	22.51	21.81	33	PASS
Band2	3MHz	16QAM	19185	15RB#0	21.38	20.68	33	PASS
Band2	3MHz	64QAM	18615	1RB#0	21.61	20.91	33	PASS
Band2	3MHz	64QAM	18615	1RB#8	21.63	20.93	33	PASS



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Band2	3MHz	64QAM	18615	1RB#14	21.72	21.02	33	PASS
Band2	3MHz	64QAM	18615	15RB#0	20.57	19.87	33	PASS
Band2	3MHz	64QAM	18900	1RB#0	21.67	20.97	33	PASS
Band2	3MHz	64QAM	18900	1RB#8	21.65	20.95	33	PASS
Band2	3MHz	64QAM	18900	1RB#14	21.7	21	33	PASS
Band2	3MHz	64QAM	18900	15RB#0	20.55	19.85	33	PASS
Band2	3MHz	64QAM	19185	1RB#0	21.51	20.81	33	PASS
Band2	3MHz	64QAM	19185	1RB#8	21.46	20.76	33	PASS
Band2	3MHz	64QAM	19185	1RB#14	21.43	20.73	33	PASS
Band2	3MHz	64QAM	19185	15RB#0	20.39	19.69	33	PASS
Band2	5MHz	QPSK	18625	1RB#0	23.39	22.69	33	PASS
Band2	5MHz	QPSK	18625	1RB#12	23.64	22.94	33	PASS
Band2	5MHz	QPSK	18625	1RB#24	23.44	22.74	33	PASS
Band2	5MHz	QPSK	18625	25RB#0	22.66	21.96	33	PASS
Band2	5MHz	QPSK	18900	1RB#0	23.27	22.57	33	PASS
Band2	5MHz	QPSK	18900	1RB#12	23.52	22.82	33	PASS
Band2	5MHz	QPSK	18900	1RB#24	23.25	22.55	33	PASS
Band2	5MHz	QPSK	18900	25RB#0	22.47	21.77	33	PASS
Band2	5MHz	QPSK	19175	1RB#0	23.23	22.53	33	PASS
Band2	5MHz	QPSK	19175	1RB#12	23.52	22.82	33	PASS
Band2	5MHz	QPSK	19175	1RB#24	23.18	22.48	33	PASS
Band2	5MHz	QPSK	19175	25RB#0	22.42	21.72	33	PASS
Band2	5MHz	16QAM	18625	1RB#0	22.58	21.88	33	PASS
Band2	5MHz	16QAM	18625	1RB#12	22.81	22.11	33	PASS
Band2	5MHz	16QAM	18625	1RB#24	22.6	21.9	33	PASS
Band2	5MHz	16QAM	18625	25RB#0	21.62	20.92	33	PASS
Band2	5MHz	16QAM	18900	1RB#0	22.44	21.74	33	PASS
Band2	5MHz	16QAM	18900	1RB#12	22.59	21.89	33	PASS
Band2	5MHz	16QAM	18900	1RB#24	22.44	21.74	33	PASS
Band2	5MHz	16QAM	18900	25RB#0	21.46	20.76	33	PASS
Band2	5MHz	16QAM	19175	1RB#0	22.39	21.69	33	PASS
Band2	5MHz	16QAM	19175	1RB#12	22.53	21.83	33	PASS
Band2	5MHz	16QAM	19175	1RB#24	22.35	21.65	33	PASS



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Band2	5MHz	16QAM	19175	25RB#0	21.44	20.74	33	PASS
Band2	5MHz	64QAM	18625	1RB#0	21.58	20.88	33	PASS
Band2	5MHz	64QAM	18625	1RB#12	21.85	21.15	33	PASS
Band2	5MHz	64QAM	18625	1RB#24	21.56	20.86	33	PASS
Band2	5MHz	64QAM	18625	25RB#0	20.62	19.92	33	PASS
Band2	5MHz	64QAM	18900	1RB#0	21.54	20.84	33	PASS
Band2	5MHz	64QAM	18900	1RB#12	21.81	21.11	33	PASS
Band2	5MHz	64QAM	18900	1RB#24	21.52	20.82	33	PASS
Band2	5MHz	64QAM	18900	25RB#0	20.63	19.93	33	PASS
Band2	5MHz	64QAM	19175	1RB#0	21.49	20.79	33	PASS
Band2	5MHz	64QAM	19175	1RB#12	21.63	20.93	33	PASS
Band2	5MHz	64QAM	19175	1RB#24	21.31	20.61	33	PASS
Band2	5MHz	64QAM	19175	25RB#0	20.44	19.74	33	PASS
Band2	10MHz	QPSK	18650	1RB#0	23.46	22.76	33	PASS
Band2	10MHz	QPSK	18650	1RB#24	23.66	22.96	33	PASS
Band2	10MHz	QPSK	18650	1RB#49	23.55	22.85	33	PASS
Band2	10MHz	QPSK	18650	50RB#0	22.79	22.09	33	PASS
Band2	10MHz	QPSK	18900	1RB#0	23.4	22.7	33	PASS
Band2	10MHz	QPSK	18900	1RB#24	23.51	22.81	33	PASS
Band2	10MHz	QPSK	18900	1RB#49	23.35	22.65	33	PASS
Band2	10MHz	QPSK	18900	50RB#0	22.58	21.88	33	PASS
Band2	10MHz	QPSK	19150	1RB#0	23.31	22.61	33	PASS
Band2	10MHz	QPSK	19150	1RB#24	23.49	22.79	33	PASS
Band2	10MHz	QPSK	19150	1RB#49	23.3	22.6	33	PASS
Band2	10MHz	QPSK	19150	50RB#0	22.51	21.81	33	PASS
Band2	10MHz	16QAM	18650	1RB#0	22.63	21.93	33	PASS
Band2	10MHz	16QAM	18650	1RB#24	22.76	22.06	33	PASS
Band2	10MHz	16QAM	18650	1RB#49	22.62	21.92	33	PASS
Band2	10MHz	16QAM	18650	50RB#0	21.77	21.07	33	PASS
Band2	10MHz	16QAM	18900	1RB#0	22.63	21.93	33	PASS
Band2	10MHz	16QAM	18900	1RB#24	22.68	21.98	33	PASS
Band2	10MHz	16QAM	18900	1RB#49	22.42	21.72	33	PASS
Band2	10MHz	16QAM	18900	50RB#0	21.58	20.88	33	PASS



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Band2	10MHz	16QAM	19150	1RB#24	22.67	21.97	33	PASS
Band2	10MHz	16QAM	19150	1RB#49	22.44	21.74	33	PASS
Band2	10MHz	16QAM	19150	50RB#0	21.51	20.81	33	PASS
Band2	10MHz	64QAM	18650	1RB#0	21.6	20.9	33	PASS
Band2	10MHz	64QAM	18650	1RB#24	21.74	21.04	33	PASS
Band2	10MHz	64QAM	18650	1RB#49	21.7	21	33	PASS
Band2	10MHz	64QAM	18650	50RB#0	20.72	20.02	33	PASS
Band2	10MHz	64QAM	18900	1RB#0	21.65	20.95	33	PASS
Band2	10MHz	64QAM	18900	1RB#24	21.72	21.02	33	PASS
Band2	10MHz	64QAM	18900	1RB#49	21.64	20.94	33	PASS
Band2	10MHz	64QAM	18900	50RB#0	20.68	19.98	33	PASS
Band2	10MHz	64QAM	19150	1RB#0	21.58	20.88	33	PASS
Band2	10MHz	64QAM	19150	1RB#24	21.62	20.92	33	PASS
Band2	10MHz	64QAM	19150	1RB#49	21.46	20.76	33	PASS
Band2	10MHz	64QAM	19150	50RB#0	20.53	19.83	33	PASS
Band2	15MHz	QPSK	18675	1RB#0	23.42	22.72	33	PASS
Band2	15MHz	QPSK	18675	1RB#38	23.63	22.93	33	PASS
Band2	15MHz	QPSK	18675	1RB#74	23.47	22.77	33	PASS
Band2	15MHz	QPSK	18675	75RB#0	22.76	22.06	33	PASS
Band2	15MHz	QPSK	18900	1RB#0	23.37	22.67	33	PASS
Band2	15MHz	QPSK	18900	1RB#38	23.45	22.75	33	PASS
Band2	15MHz	QPSK	18900	1RB#74	23.25	22.55	33	PASS
Band2	15MHz	QPSK	18900	75RB#0	22.52	21.82	33	PASS
Band2	15MHz	QPSK	19125	1RB#0	23.23	22.53	33	PASS
Band2	15MHz	QPSK	19125	1RB#38	23.2	22.5	33	PASS
Band2	15MHz	QPSK	19125	1RB#74	22.93	22.23	33	PASS
Band2	15MHz	QPSK	19125	75RB#0	22.11	21.41	33	PASS
Band2	15MHz	16QAM	18675	1RB#0	22.59	21.89	33	PASS
Band2	15MHz	16QAM	18675	1RB#38	22.74	22.04	33	PASS
Band2	15MHz	16QAM	18675	1RB#74	22.54	21.84	33	PASS
Band2	15MHz	16QAM	18675	75RB#0	21.72	21.02	33	PASS
Band2	15MHz	16QAM	18900	1RB#0	22.55	21.85	33	PASS



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Band2	15MHz	16QAM	18900	1RB#38	22.56	21.86	33	PASS
Band2	15MHz	16QAM	18900	1RB#74	22.26	21.56	33	PASS
Band2	15MHz	16QAM	18900	75RB#0	21.55	20.85	33	PASS
Band2	15MHz	16QAM	19125	1RB#0	22.33	21.63	33	PASS
Band2	15MHz	16QAM	19125	1RB#38	22.28	21.58	33	PASS
Band2	15MHz	16QAM	19125	1RB#74	21.9	21.2	33	PASS
Band2	15MHz	16QAM	19125	75RB#0	21.32	20.62	33	PASS
Band2	15MHz	64QAM	18675	1RB#0	21.55	20.85	33	PASS
Band2	15MHz	64QAM	18675	1RB#38	21.69	20.99	33	PASS
Band2	15MHz	64QAM	18675	1RB#74	21.6	20.9	33	PASS
Band2	15MHz	64QAM	18675	75RB#0	20.65	19.95	33	PASS
Band2	15MHz	64QAM	18900	1RB#0	21.58	20.88	33	PASS
Band2	15MHz	64QAM	18900	1RB#38	21.73	21.03	33	PASS
Band2	15MHz	64QAM	18900	1RB#74	21.54	20.84	33	PASS
Band2	15MHz	64QAM	18900	75RB#0	20.63	19.93	33	PASS
Band2	15MHz	64QAM	19125	1RB#0	21.48	20.78	33	PASS
Band2	15MHz	64QAM	19125	1RB#38	21.56	20.86	33	PASS
Band2	15MHz	64QAM	19125	1RB#74	21.38	20.68	33	PASS
Band2	15MHz	64QAM	19125	75RB#0	20.48	19.78	33	PASS
Band2	20MHz	QPSK	18700	1RB#0	23.33	22.63	33	PASS
Band2	20MHz	QPSK	18700	1RB#49	23.65	22.95	33	PASS
Band2	20MHz	QPSK	18700	1RB#99	22.86	22.16	33	PASS
Band2	20MHz	QPSK	18700	100RB#0	22.76	22.06	33	PASS
Band2	20MHz	QPSK	18900	1RB#0	22.98	22.28	33	PASS
Band2	20MHz	QPSK	18900	1RB#49	23.17	22.47	33	PASS
Band2	20MHz	QPSK	18900	1RB#99	22.66	21.96	33	PASS
Band2	20MHz	QPSK	18900	100RB#0	22.02	21.32	33	PASS
Band2	20MHz	QPSK	19100	1RB#0	23.14	22.44	33	PASS
Band2	20MHz	QPSK	19100	1RB#49	23.34	22.64	33	PASS
Band2	20MHz	QPSK	19100	1RB#99	22.86	22.16	33	PASS
Band2	20MHz	QPSK	19100	100RB#0	22.15	21.45	33	PASS
Band2	20MHz	16QAM	18700	1RB#0	22.49	21.79	33	PASS
Band2	20MHz	16QAM	18700	1RB#49	22.57	21.87	33	PASS



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Band2	20MHz	16QAM	18700	1RB#99	22.51	21.81	33	PASS
Band2	20MHz	16QAM	18700	100RB#0	21.67	20.97	33	PASS
Band2	20MHz	16QAM	18900	1RB#0	22.17	21.47	33	PASS
Band2	20MHz	16QAM	18900	1RB#49	22.21	21.51	33	PASS
Band2	20MHz	16QAM	18900	1RB#99	21.94	21.24	33	PASS
Band2	20MHz	16QAM	18900	100RB#0	21.19	20.49	33	PASS
Band2	20MHz	16QAM	19100	1RB#0	22.18	21.48	33	PASS
Band2	20MHz	16QAM	19100	1RB#49	22.49	21.79	33	PASS
Band2	20MHz	16QAM	19100	1RB#99	21.97	21.27	33	PASS
Band2	20MHz	16QAM	19100	100RB#0	21.33	20.63	33	PASS
Band2	20MHz	64QAM	18700	1RB#0	21.49	20.79	33	PASS
Band2	20MHz	64QAM	18700	1RB#49	21.75	21.05	33	PASS
Band2	20MHz	64QAM	18700	1RB#99	21.58	20.88	33	PASS
Band2	20MHz	64QAM	18700	100RB#0	20.67	19.97	33	PASS
Band2	20MHz	64QAM	18900	1RB#0	21.54	20.84	33	PASS
Band2	20MHz	64QAM	18900	1RB#49	21.69	20.99	33	PASS
Band2	20MHz	64QAM	18900	1RB#99	21.44	20.74	33	PASS
Band2	20MHz	64QAM	18900	100RB#0	20.57	19.87	33	PASS
Band2	20MHz	64QAM	19100	1RB#0	21.48	20.78	33	PASS
Band2	20MHz	64QAM	19100	1RB#49	21.64	20.94	33	PASS
Band2	20MHz	64QAM	19100	1RB#99	21.34	20.64	33	PASS
Band2	20MHz	64QAM	19100	100RB#0	20.37	19.67	33	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	5.06	13	PASS
Band2	20MHz	QPSK	18900	100RB#0	5.10	13	PASS
Band2	20MHz	QPSK	19100	100RB#0	5.08	13	PASS
Band2	20MHz	16QAM	18700	100RB#0	5.72	13	PASS
Band2	20MHz	16QAM	18900	100RB#0	5.84	13	PASS
Band2	20MHz	16QAM	19100	100RB#0	5.88	13	PASS
Band2	20MHz	64QAM	18700	100RB#0	5.96	13	PASS
Band2	20MHz	64QAM	18900	100RB#0	6.14	13	PASS
Band2	20MHz	64QAM	19100	100RB#0	6.04	13	PASS



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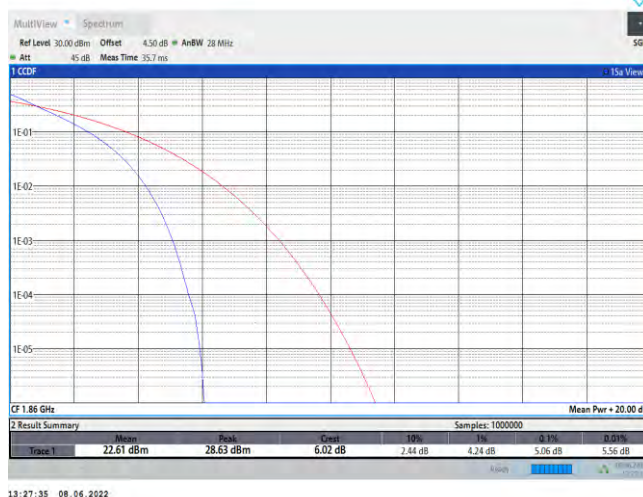
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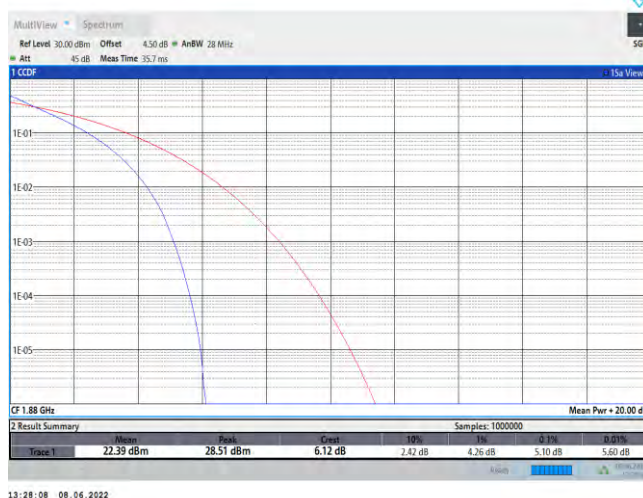
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Test Graphs

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



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



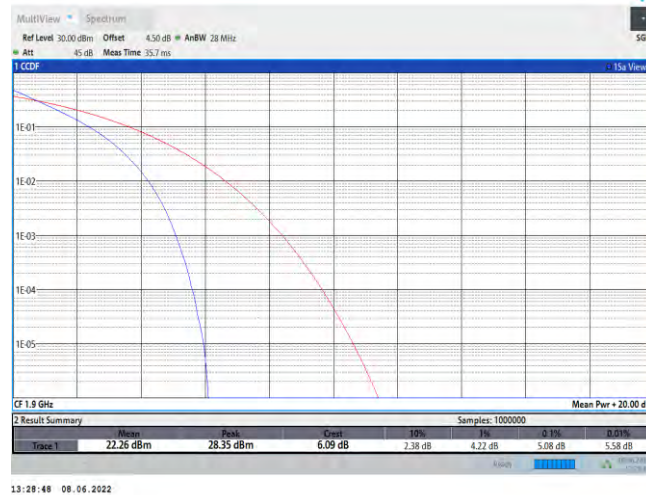
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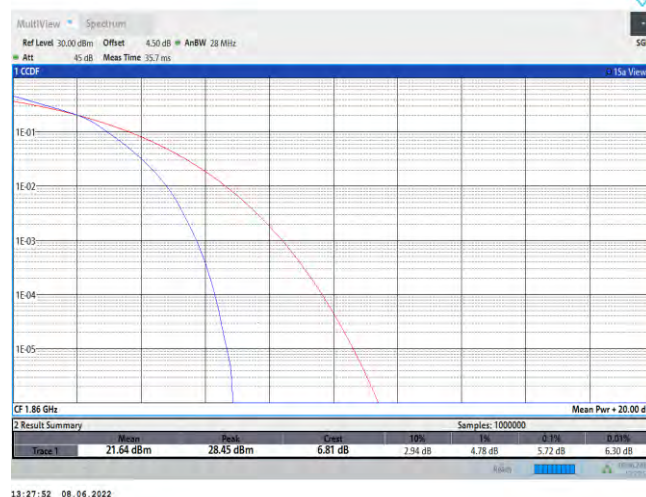
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Band2-20MHz-QPSK-19100-100RB#0



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



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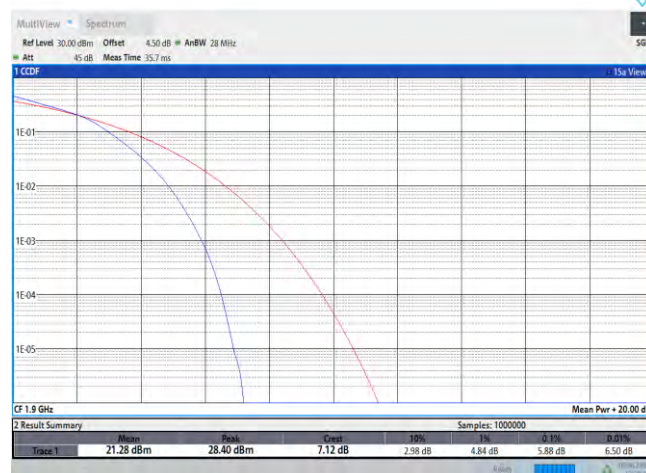
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Band2-20MHz-16QAM-18900-100RB#0



13:28:25 08.06.2022

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



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



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



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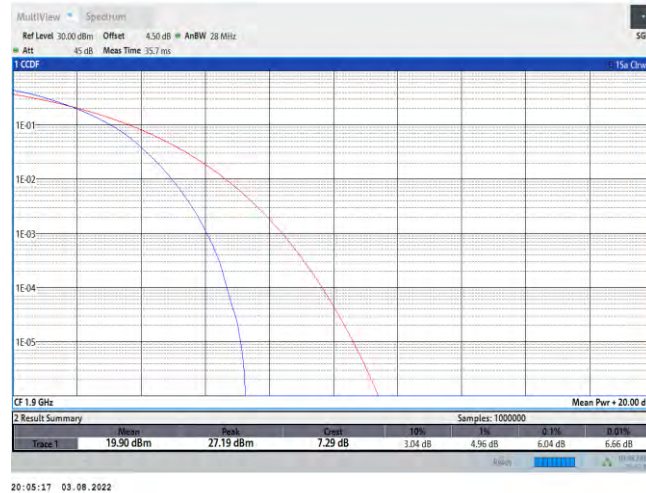
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Band2-20MHz-64QAM-19100-100RB#0



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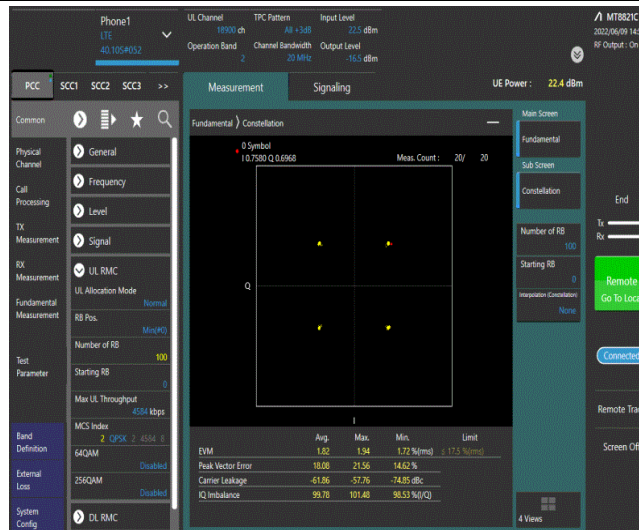
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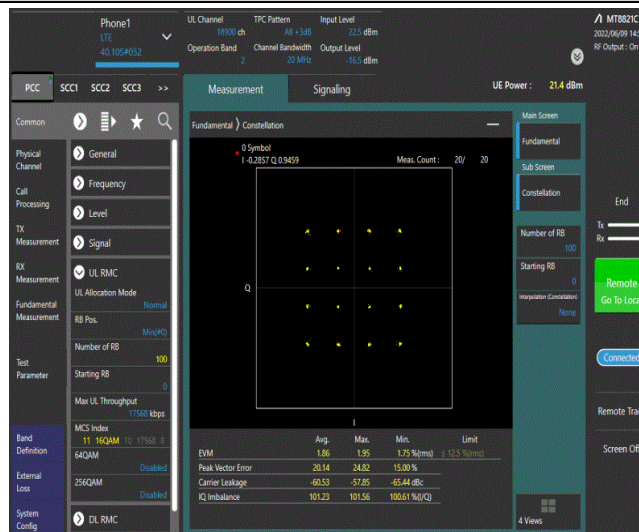
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Band2-20MHz-16QAM-18900-100RB#0



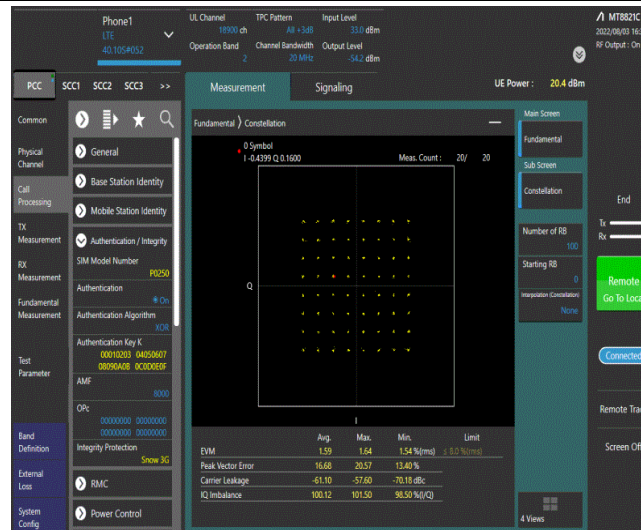
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Band2-20MHz-64QAM-18900-100RB#0



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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	1.089	1.28	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	1.085	1.28	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	1.087	1.30	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	1.099	1.31	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	1.099	1.31	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	1.1	1.32	PASS
Band2	1.4MHz	64QAM	18607	6RB#0	1.096	1.31	PASS
Band2	1.4MHz	64QAM	18900	6RB#0	1.095	1.31	PASS
Band2	1.4MHz	64QAM	19193	6RB#0	1.096	1.31	PASS
Band2	3MHz	QPSK	18615	15RB#0	2.688	2.90	PASS
Band2	3MHz	QPSK	18900	15RB#0	2.69	2.90	PASS
Band2	3MHz	QPSK	19185	15RB#0	2.69	2.90	PASS
Band2	3MHz	16QAM	18615	15RB#0	2.678	2.90	PASS
Band2	3MHz	16QAM	18900	15RB#0	2.679	2.91	PASS
Band2	3MHz	16QAM	19185	15RB#0	2.682	2.92	PASS
Band2	3MHz	64QAM	18615	15RB#0	2.682	2.89	PASS
Band2	3MHz	64QAM	18900	15RB#0	2.679	2.90	PASS
Band2	3MHz	64QAM	19185	15RB#0	2.679	2.90	PASS
Band2	5MHz	QPSK	18625	25RB#0	4.472	4.86	PASS
Band2	5MHz	QPSK	18900	25RB#0	4.472	4.84	PASS
Band2	5MHz	QPSK	19175	25RB#0	4.473	4.84	PASS
Band2	5MHz	16QAM	18625	25RB#0	4.468	4.87	PASS
Band2	5MHz	16QAM	18900	25RB#0	4.466	4.87	PASS
Band2	5MHz	16QAM	19175	25RB#0	4.464	4.89	PASS
Band2	5MHz	64QAM	18625	25RB#0	4.473	4.85	PASS
Band2	5MHz	64QAM	18900	25RB#0	4.475	4.84	PASS
Band2	5MHz	64QAM	19175	25RB#0	4.475	4.86	PASS
Band2	10MHz	QPSK	18650	50RB#0	8.957	9.68	PASS
Band2	10MHz	QPSK	18900	50RB#0	8.943	9.66	PASS
Band2	10MHz	QPSK	19150	50RB#0	8.939	9.64	PASS
Band2	10MHz	16QAM	18650	50RB#0	8.934	9.60	PASS



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Report No.: SEWM2206000064RG01

Rev.: 01

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Band2	10MHz	16QAM	18900	50RB#0	8.927	9.52	PASS
Band2	10MHz	16QAM	19150	50RB#0	8.925	9.56	PASS
Band2	10MHz	64QAM	18650	50RB#0	8.931	9.58	PASS
Band2	10MHz	64QAM	18900	50RB#0	8.933	9.60	PASS
Band2	10MHz	64QAM	19150	50RB#0	8.93	9.58	PASS
Band2	15MHz	QPSK	18675	75RB#0	13.53	14.76	PASS
Band2	15MHz	QPSK	18900	75RB#0	13.498	14.73	PASS
Band2	15MHz	QPSK	19125	75RB#0	13.478	14.67	PASS
Band2	15MHz	16QAM	18675	75RB#0	13.51	14.82	PASS
Band2	15MHz	16QAM	18900	75RB#0	13.46	14.58	PASS
Band2	15MHz	16QAM	19125	75RB#0	13.457	14.70	PASS
Band2	15MHz	64QAM	18675	75RB#0	13.464	14.73	PASS
Band2	15MHz	64QAM	18900	75RB#0	13.431	14.61	PASS
Band2	15MHz	64QAM	19125	75RB#0	13.42	14.73	PASS
Band2	20MHz	QPSK	18700	100RB#0	17.966	19.56	PASS
Band2	20MHz	QPSK	18900	100RB#0	17.957	19.44	PASS
Band2	20MHz	QPSK	19100	100RB#0	17.92	19.32	PASS
Band2	20MHz	16QAM	18700	100RB#0	17.946	19.44	PASS
Band2	20MHz	16QAM	18900	100RB#0	17.915	19.24	PASS
Band2	20MHz	16QAM	19100	100RB#0	17.863	19.16	PASS
Band2	20MHz	64QAM	18700	100RB#0	17.924	19.28	PASS
Band2	20MHz	64QAM	18900	100RB#0	17.881	19.20	PASS
Band2	20MHz	64QAM	19100	100RB#0	17.831	19.36	PASS



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Test Graphs

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



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



21:40:39 07.06.2022

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



21:39:47 07.06.2022



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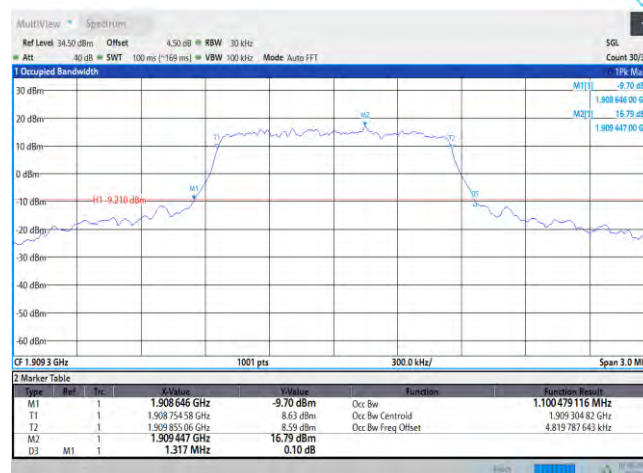
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Band2-1.4MHz-16QAM-18900-6RB#0



21:40:22 07.06.2022

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



21:40:56 07.06.2022



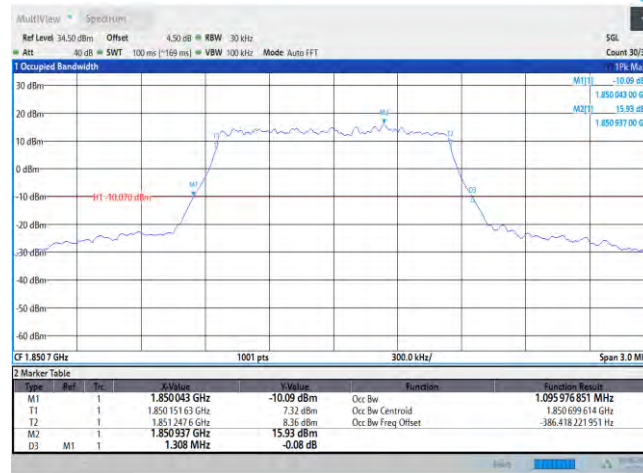
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Band2-1.4MHz-64QAM-18607-6RB#0



19:57:17 03.08.2022

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



19:57:34 03.08.2022



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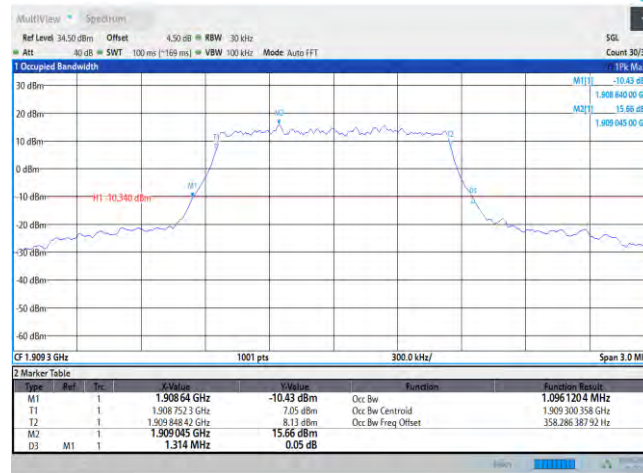
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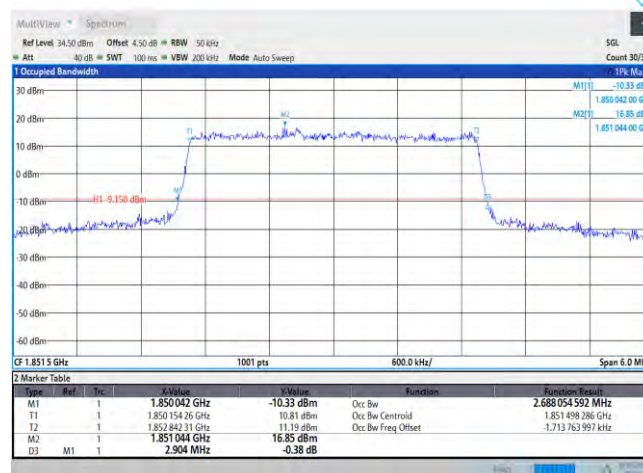
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19:57:52 03.08.2022

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



21:41:58 07.06.2022



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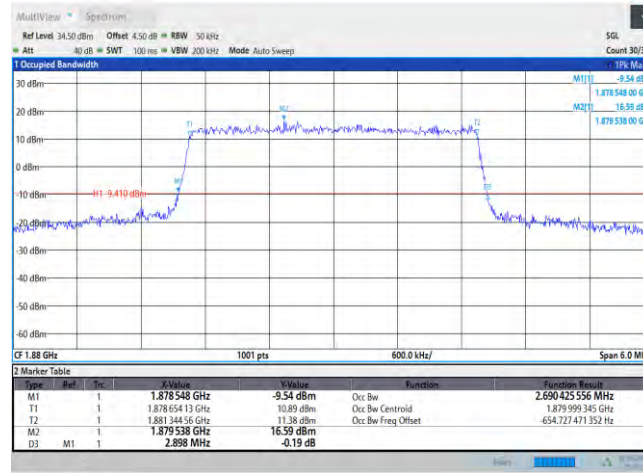
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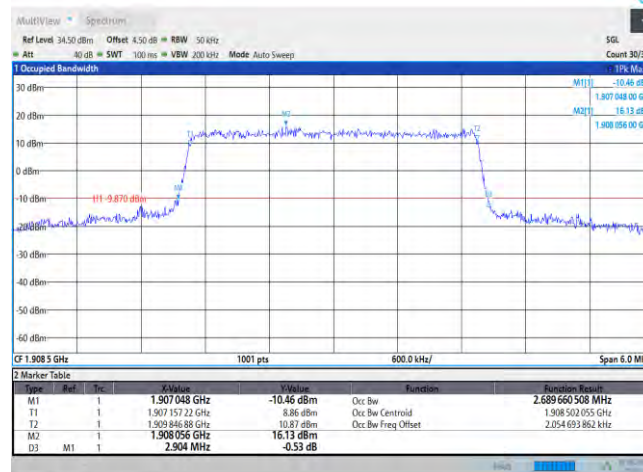
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Band2-3MHz-QPSK-18900-15RB#0



21:42:31 07.06.2022

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



21:43:03 07.06.2022



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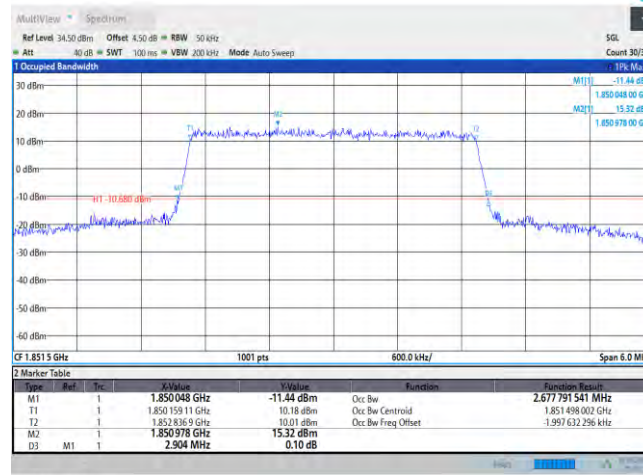
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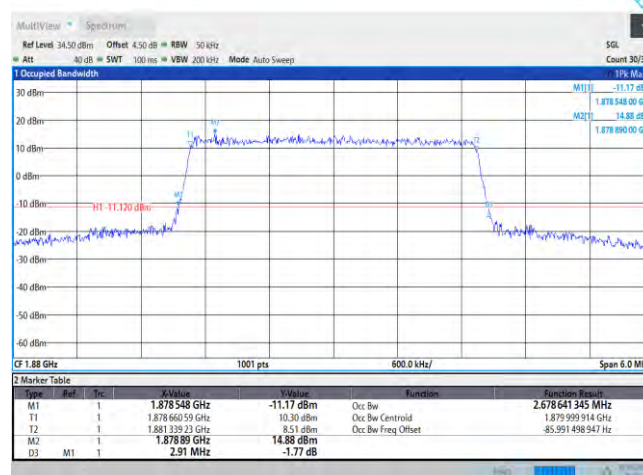
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Band2-3MHz-16QAM-18615-15RB#0



21:42:14 07.06.2022

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



21:42:47 07.06.2022



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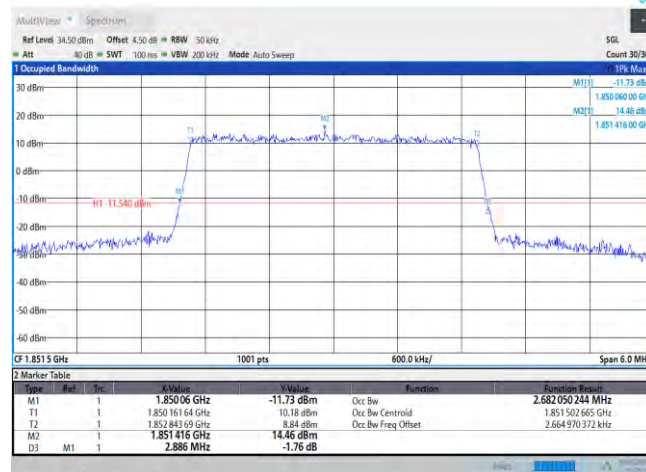
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Band2-3MHz-16QAM-19185-15RB#0



21:43:19 07.06.2022

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



19:58:29 03.08.2022



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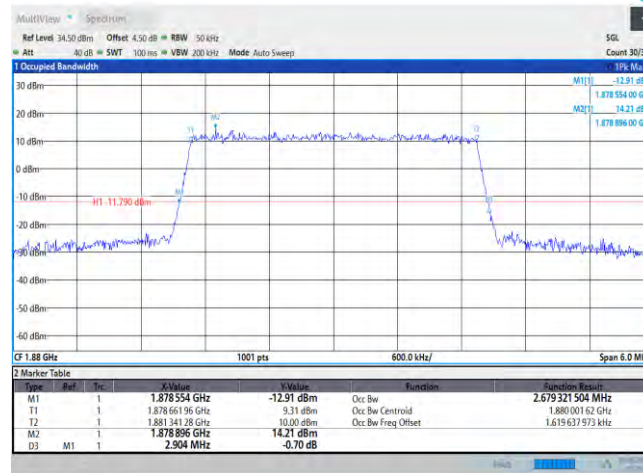
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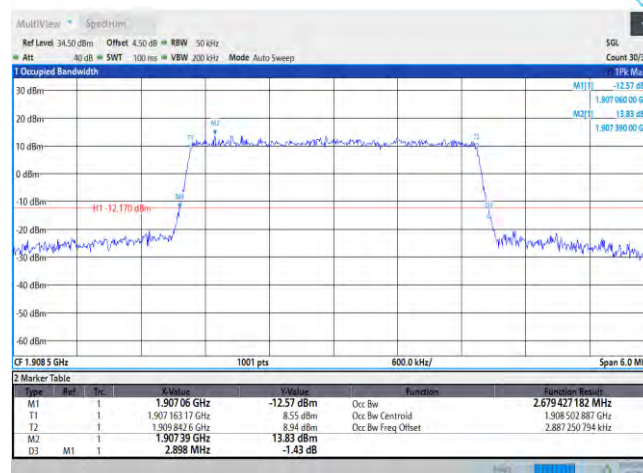
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Band2-3MHz-64QAM-18900-15RB#0



19:58:46 03.08.2022

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



19:59:03 03.08.2022



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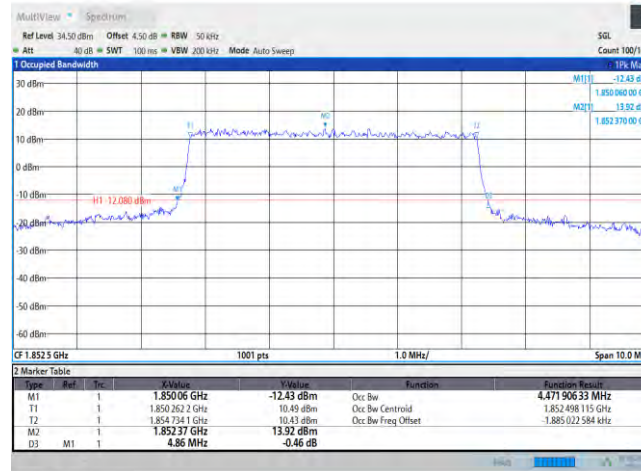
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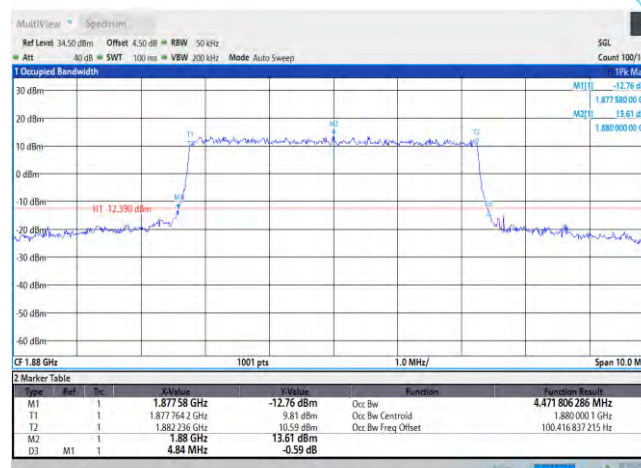
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Band2-5MHz-QPSK-18625-25RB#0



21:44:00 07.06.2022

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



21:44:46 07.06.2022



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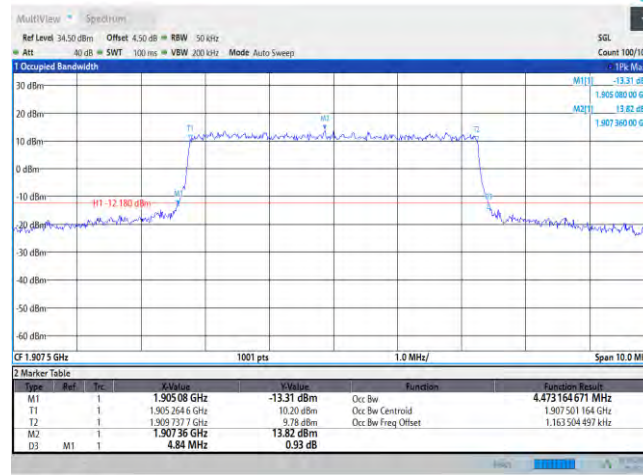
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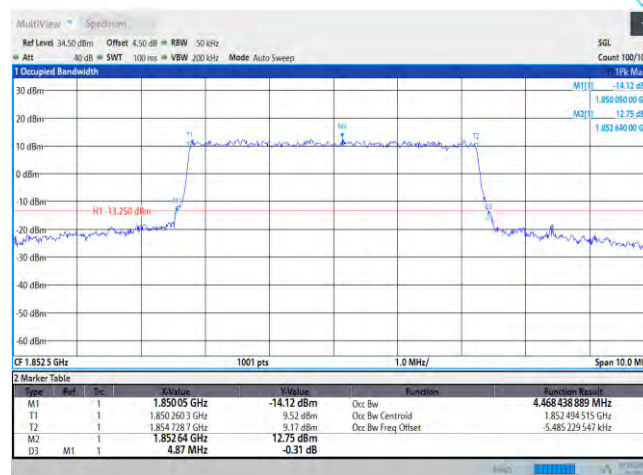
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Band2-5MHz-QPSK-19175-25RB#0



21:45:33 07.06.2022

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



21:44:23 07.06.2022



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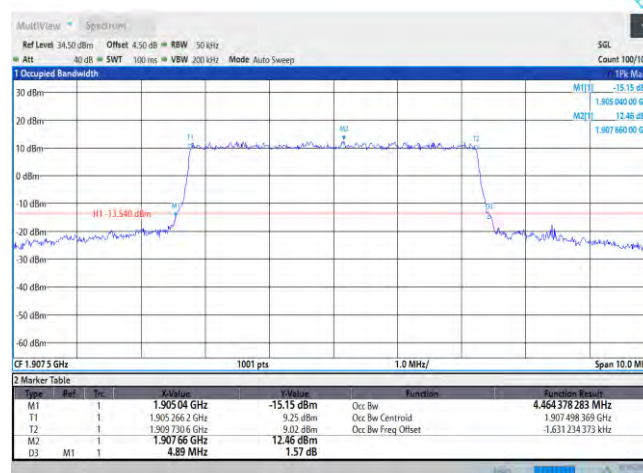
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Band2-5MHz-16QAM-18900-25RB#0



21:45:10 07.06.2022

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



21:45:56 07.06.2022



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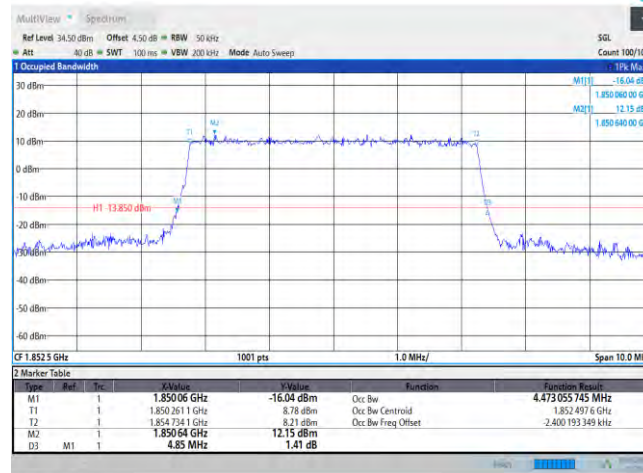
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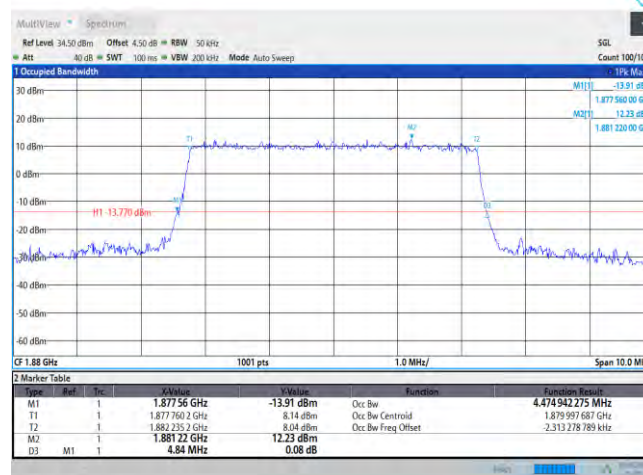
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Band2-5MHz-64QAM-18625-25RB#0



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



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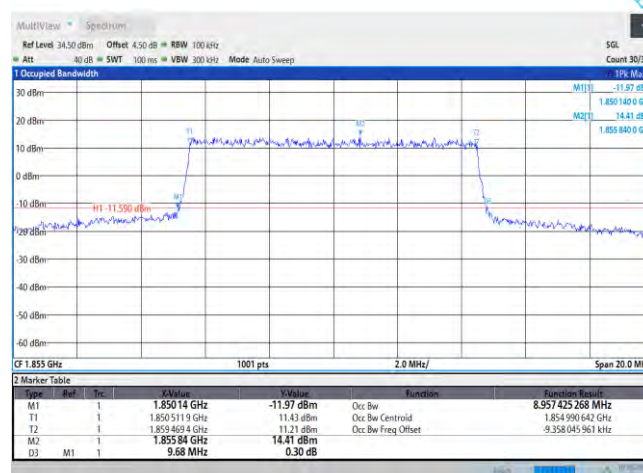
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Band2-5MHz-64QAM-19175-25RB#0



20:00:35 03.08.2022

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



21:46:19 07.06.2022



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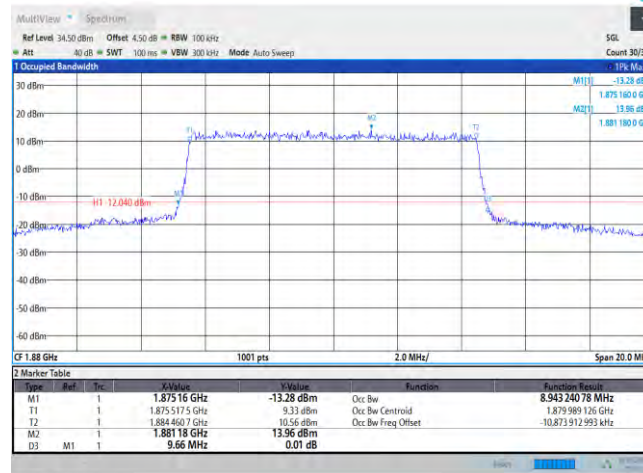
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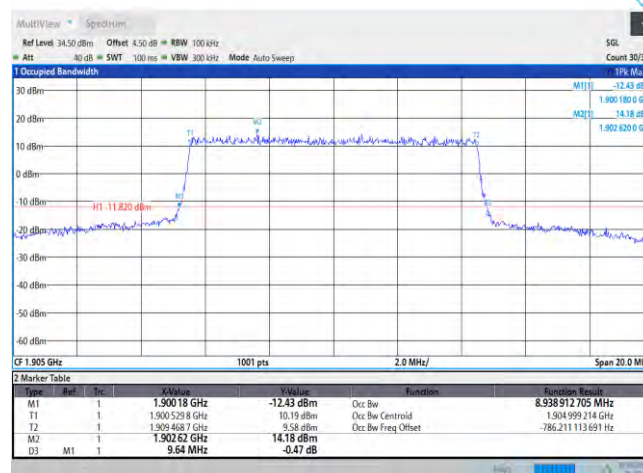
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Band2-10MHz-QPSK-18900-50RB#0



21:46:52 07.06.2022

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



21:47:25 07.06.2022



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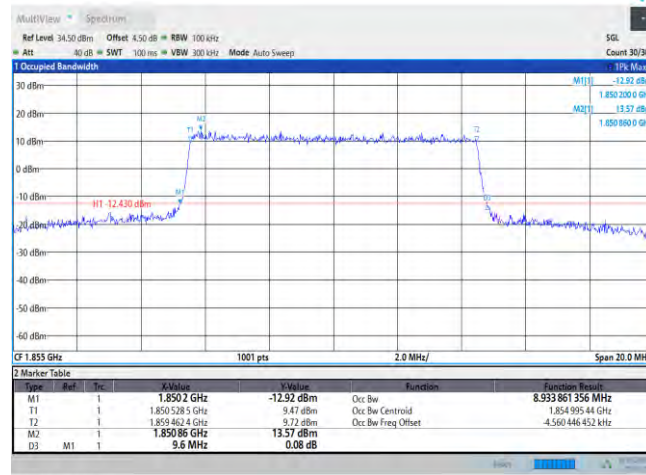
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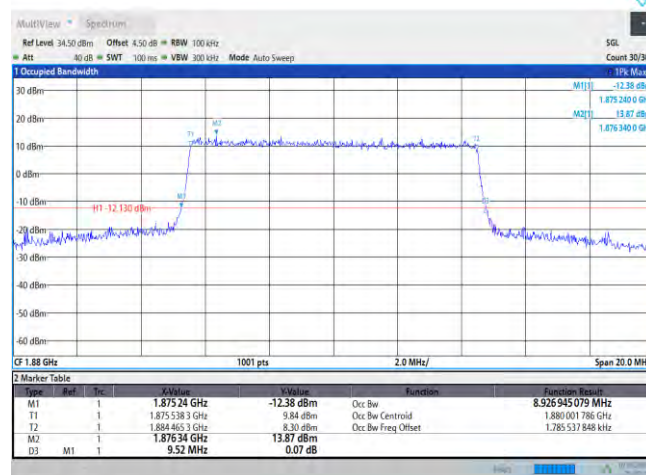
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Band2-10MHz-16QAM-18900-50RB#0



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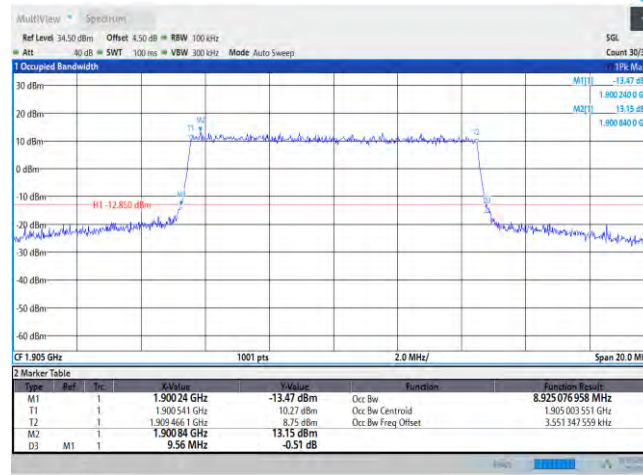
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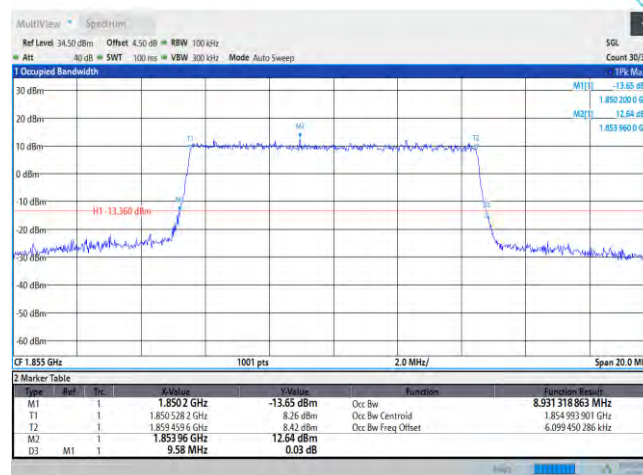
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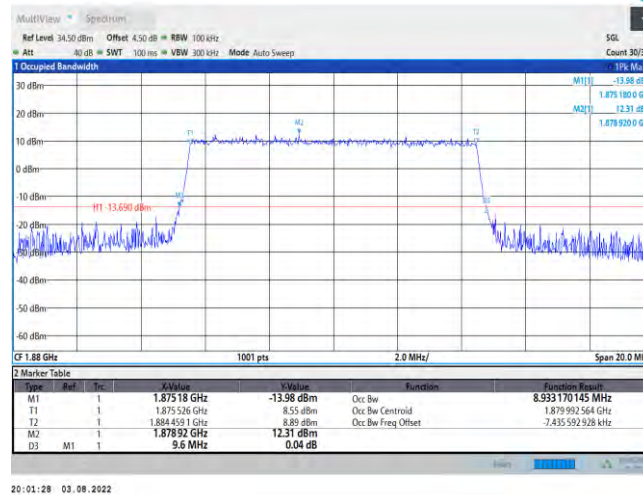
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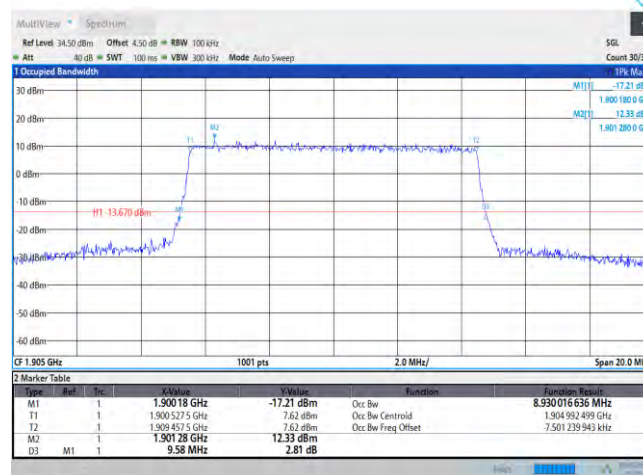
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Band2-10MHz-64QAM-18900-50RB#0



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Band2-10MHz-64QAM-19150-50RB#0



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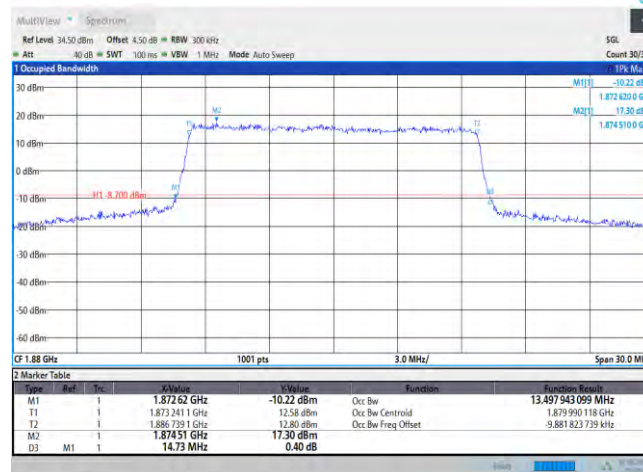
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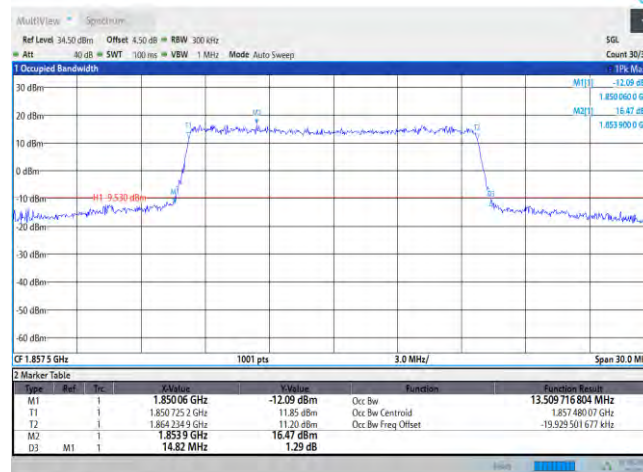
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Band2-15MHz-16QAM-18675-75RB#0



21:48:34 07.06.2022



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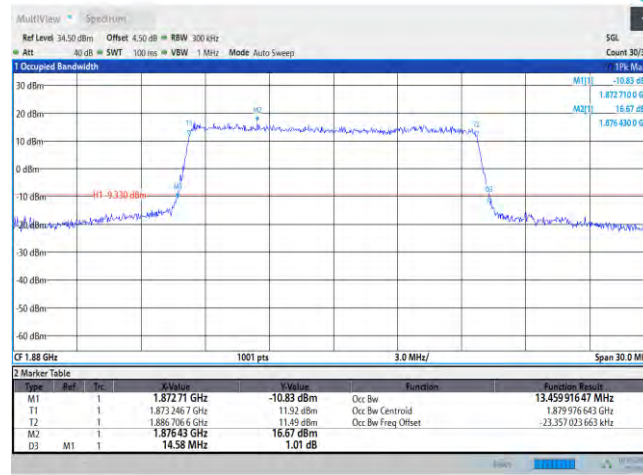
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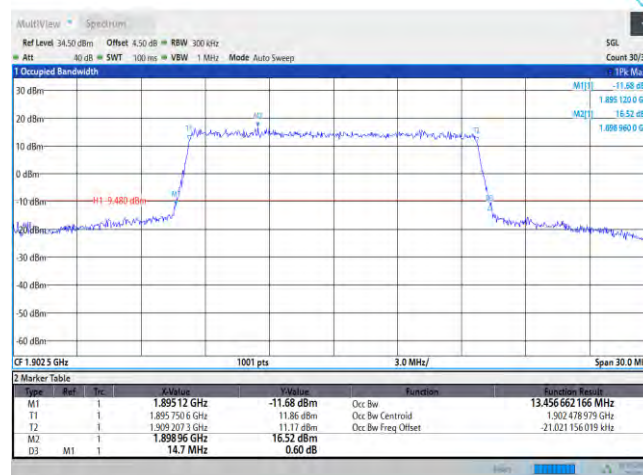
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Band2-15MHz-16QAM-18900-75RB#0



21:49:07 07.06.2022

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



21:49:39 07.06.2022



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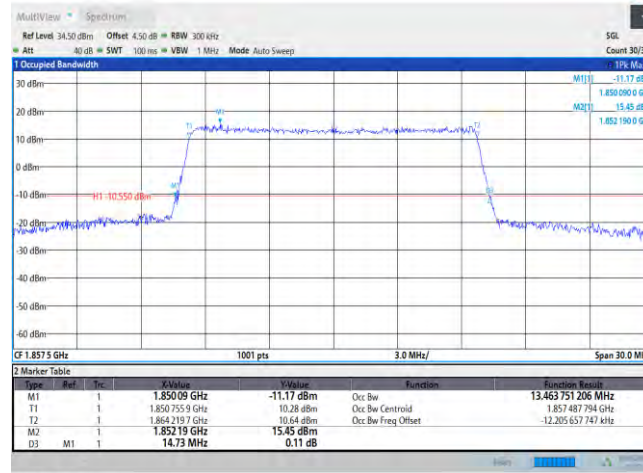
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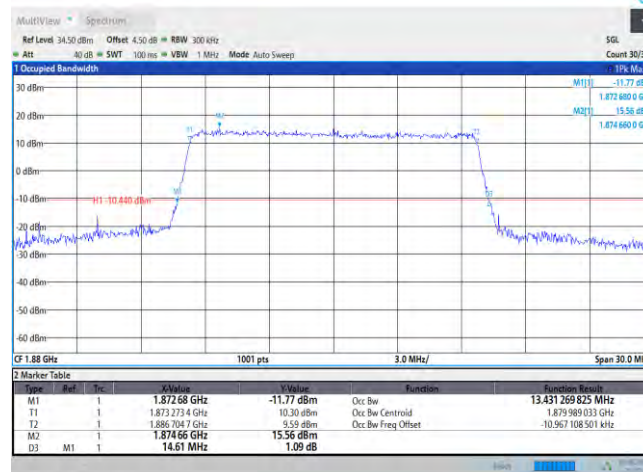
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Band2-15MHz-64QAM-18675-75RB#0



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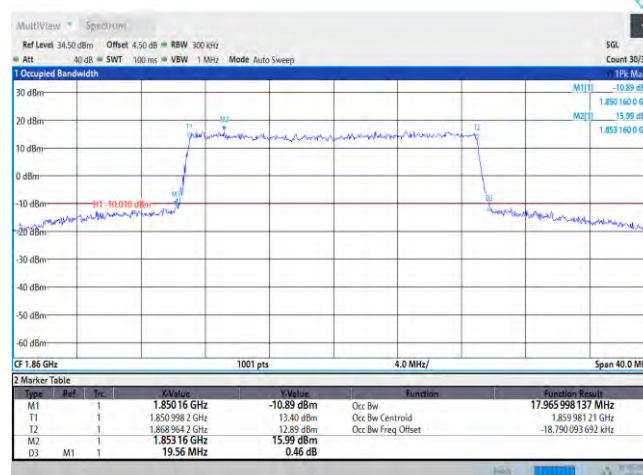
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Band2-20MHz-QPSK-18700-100RB#0



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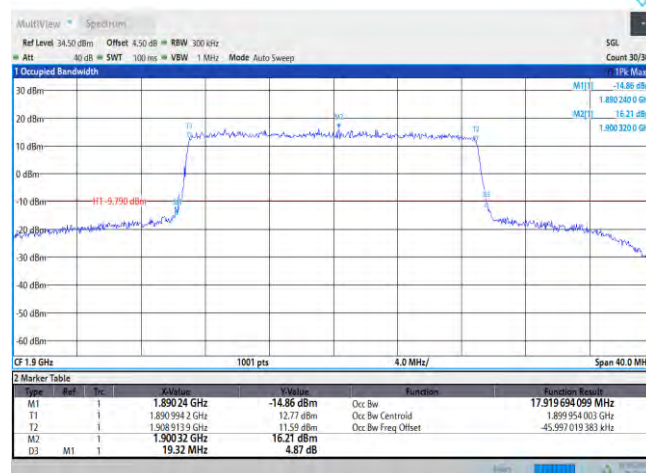
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Band2-20MHz-QPSK-18900-100RB#0



21:50:45 07.06.2022

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



21:51:18 07.06.2022



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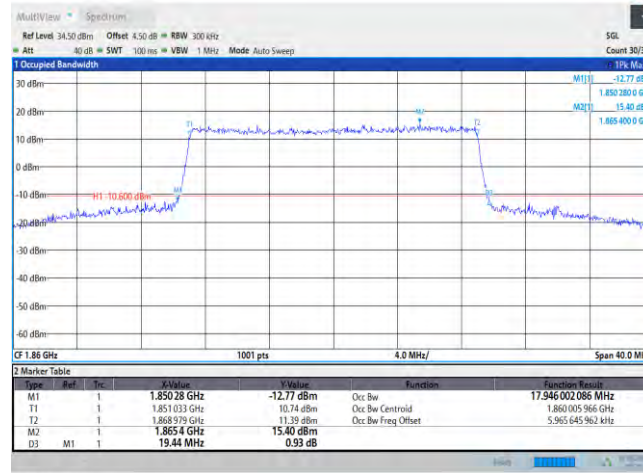
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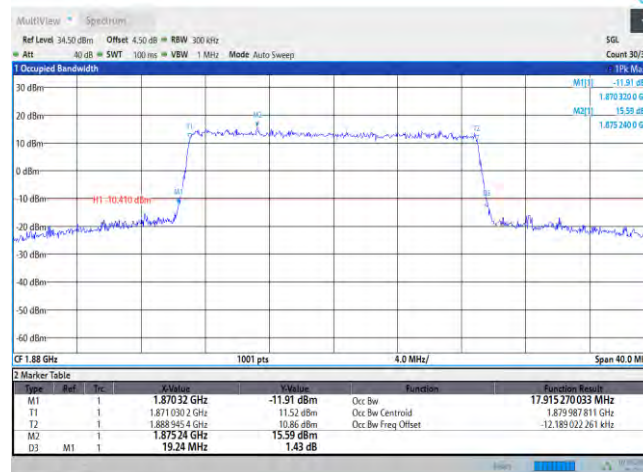
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Band2-20MHz-16QAM-18700-100RB#0



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



21:51:01 07.06.2022



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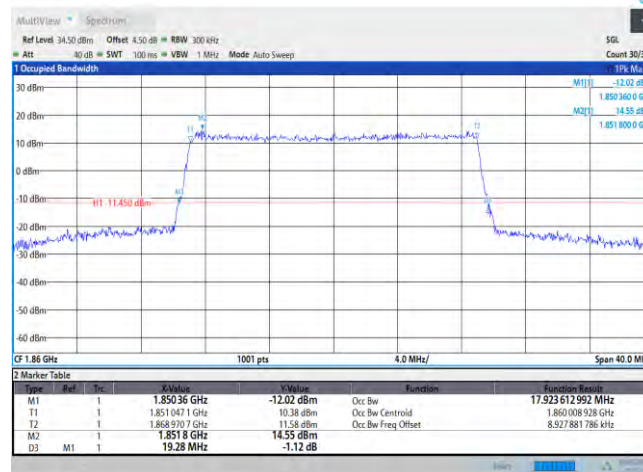
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Band2-20MHz-16QAM-19100-100RB#0



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



20:03:33 03.08.2022



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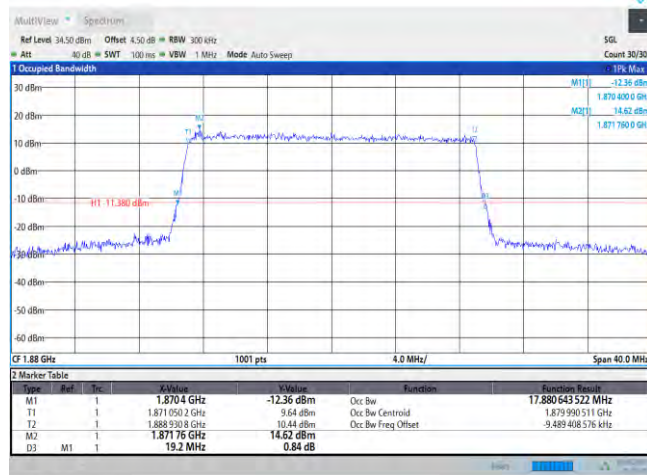
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Band2-20MHz-64QAM-19100-100RB#0



20:04:06 03.08.2022



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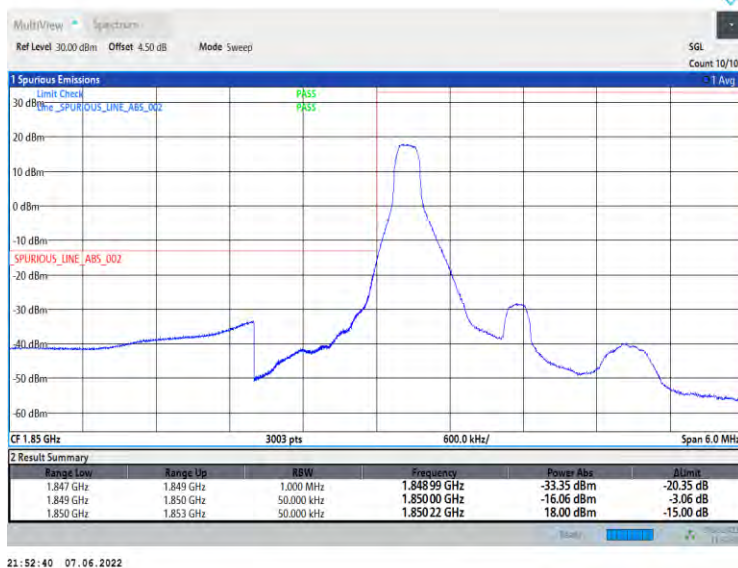
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Test Graphs

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



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



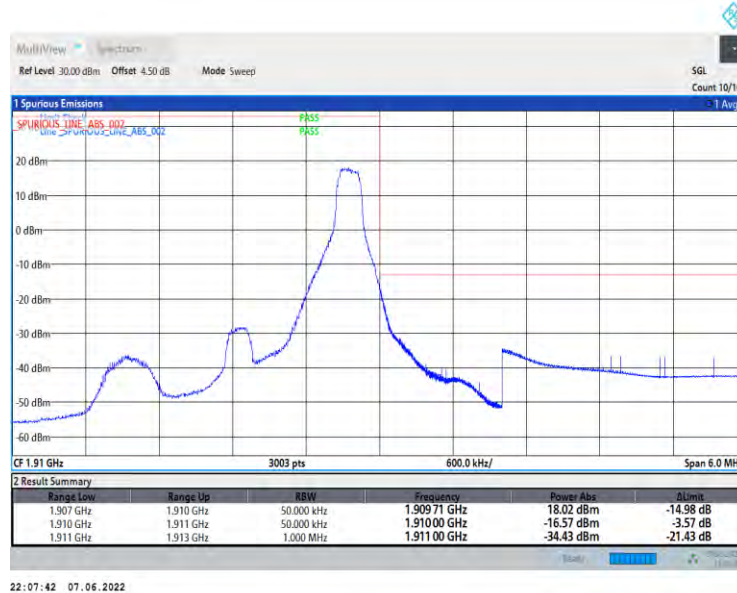
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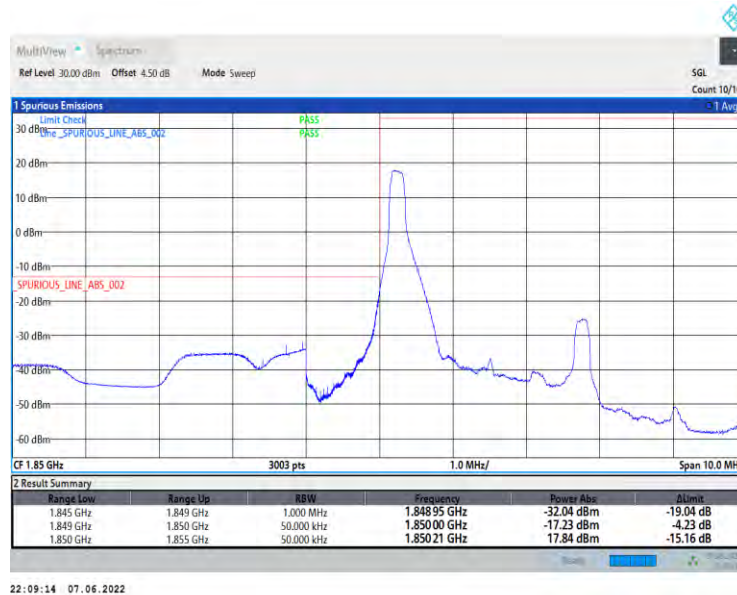
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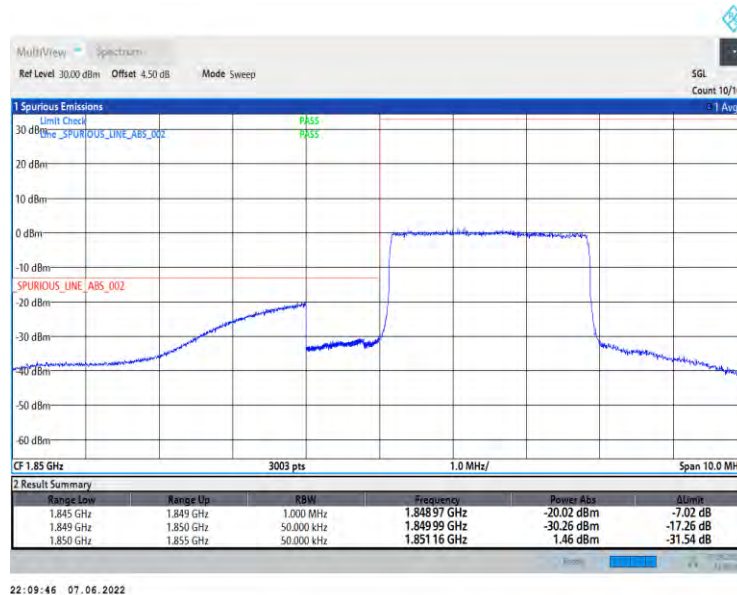
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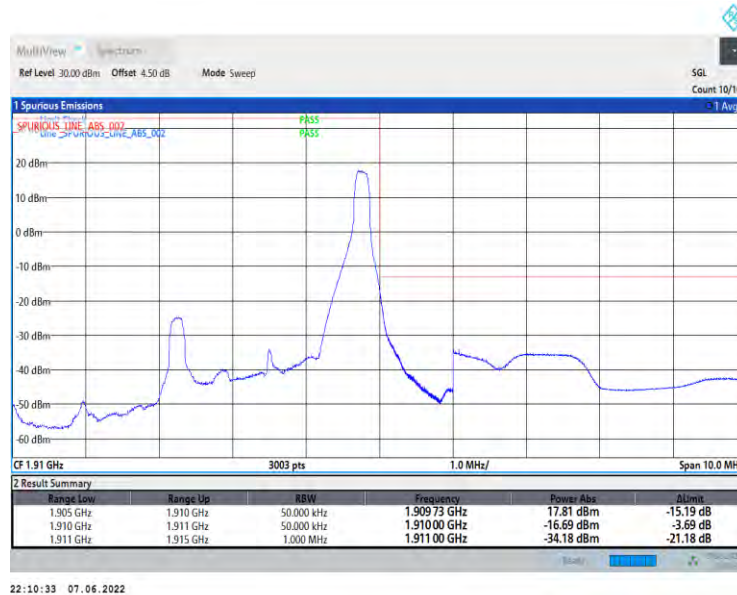
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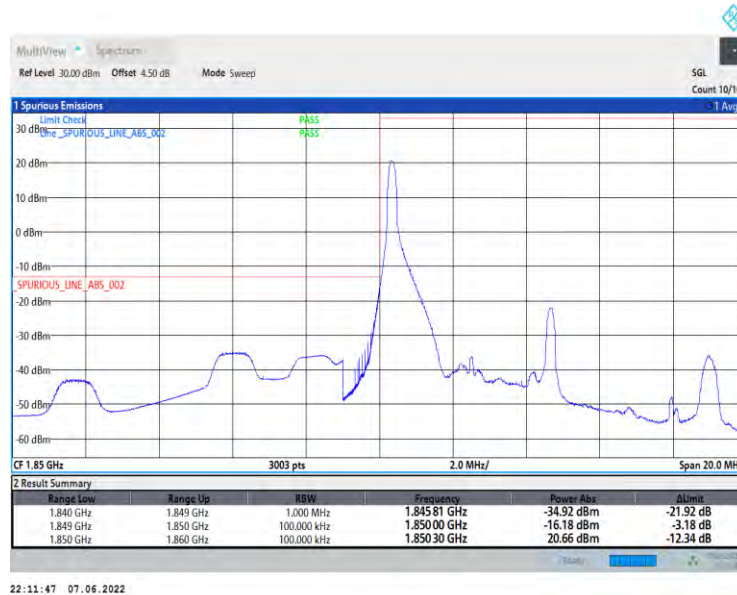
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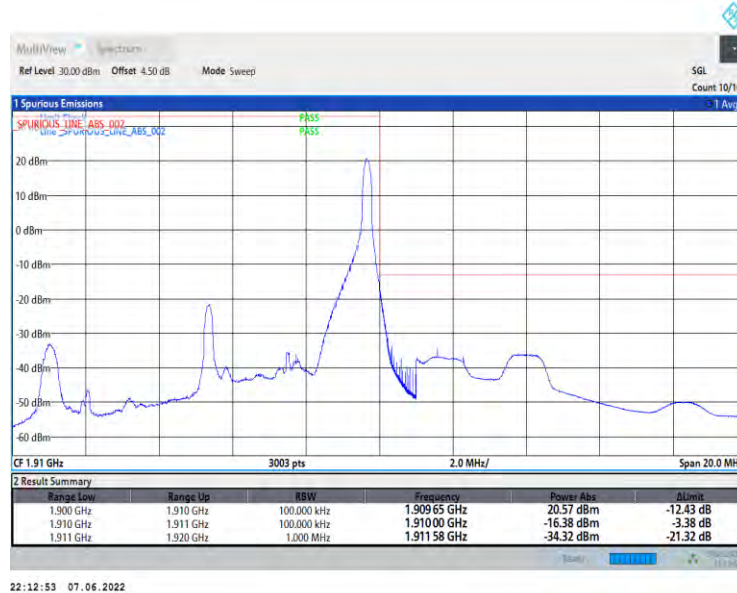


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Band2-5MHz-QPSK-19175-25RB#0



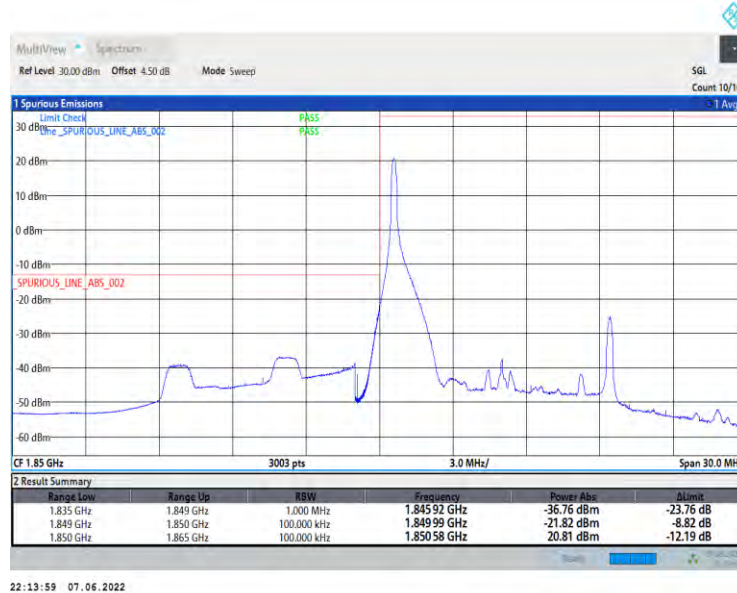
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Band2-10MHz-QPSK-18650-1RB#0



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



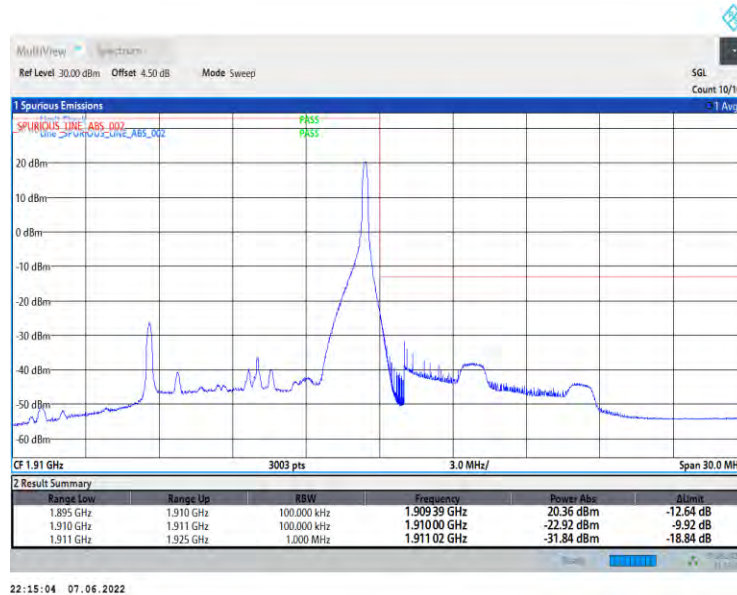
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Band2-10MHz-QPSK-19150-1RB#49



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

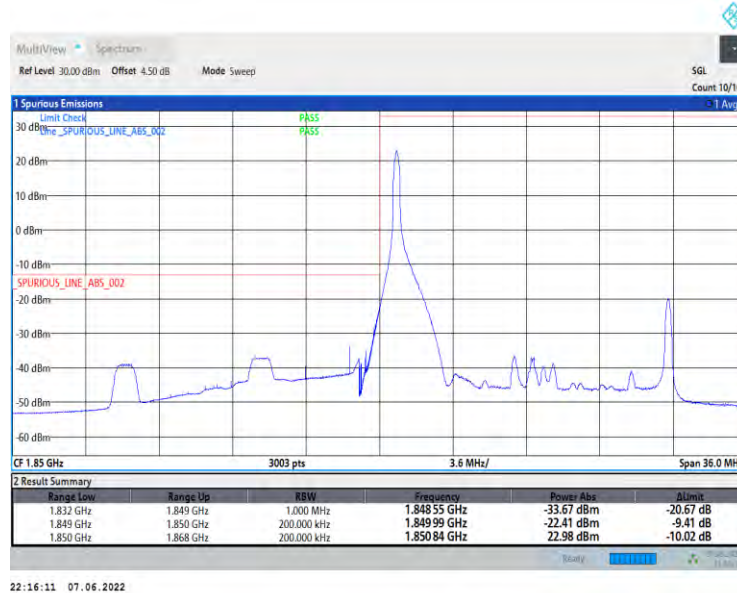


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Band2-15MHz-QPSK-18675-1RB#0



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



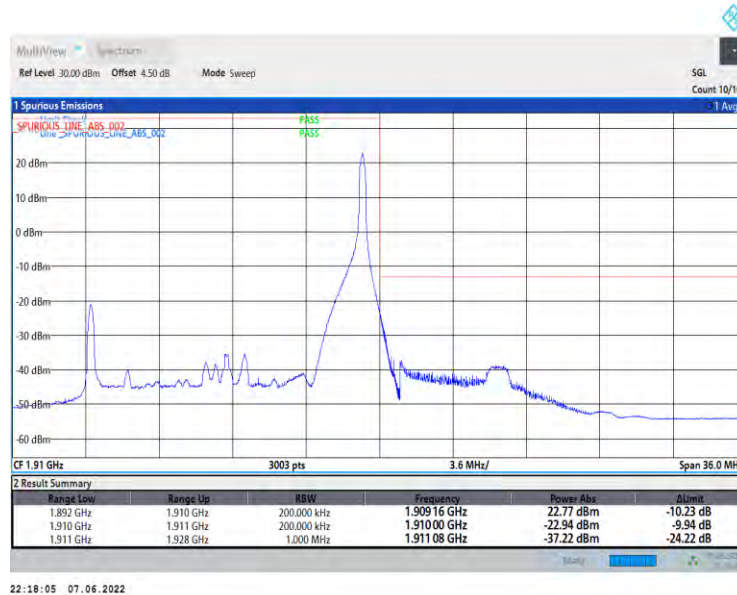
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Band2-15MHz-QPSK-19125-1RB#74



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

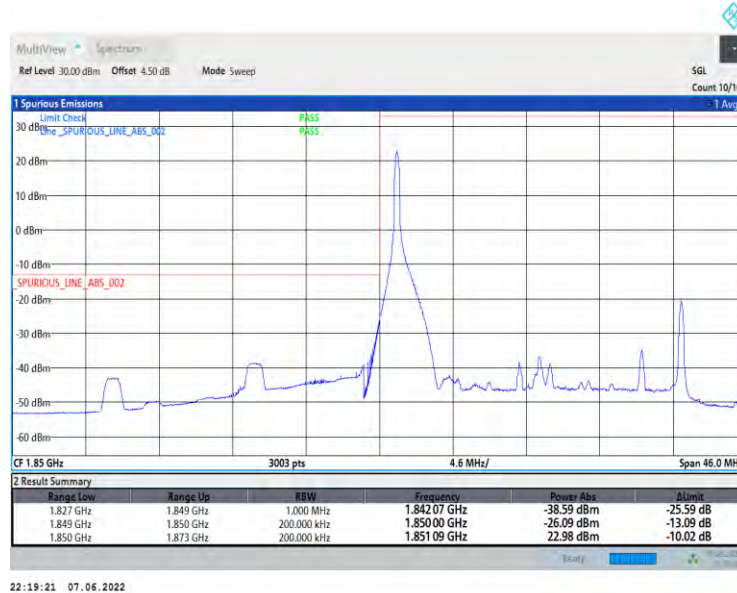


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Band2-20MHz-QPSK-18700-1RB#0



22:19:21 07.06.2022

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



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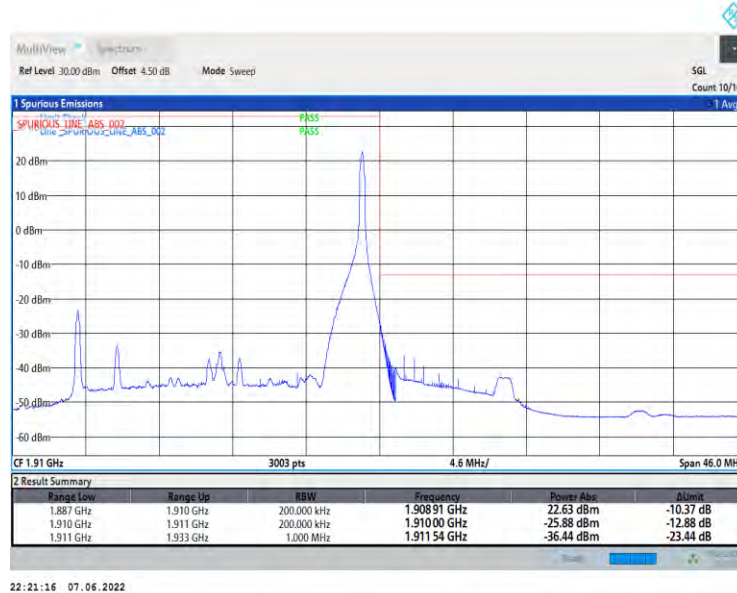
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Band2-20MHz-QPSK-19100-1RB#99



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



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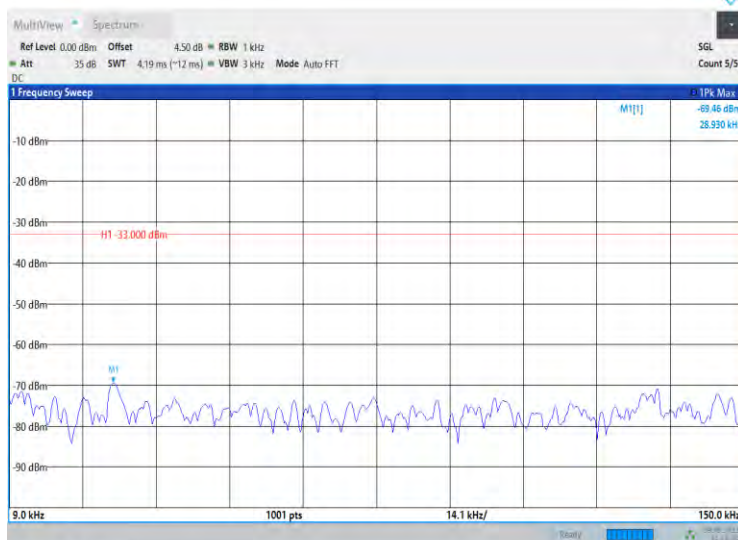
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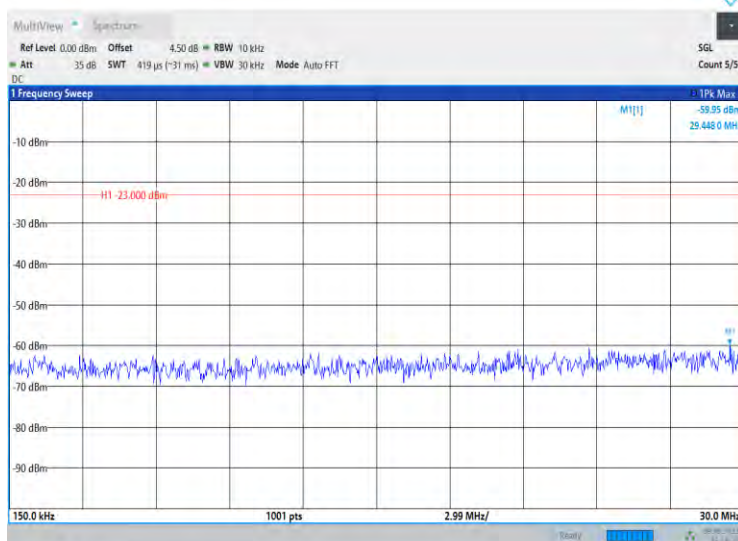
Conducted Spurious Emission

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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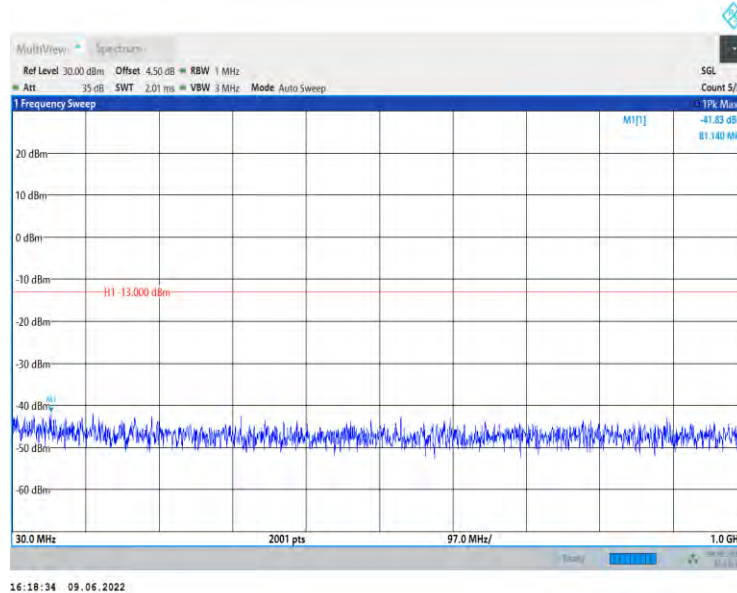
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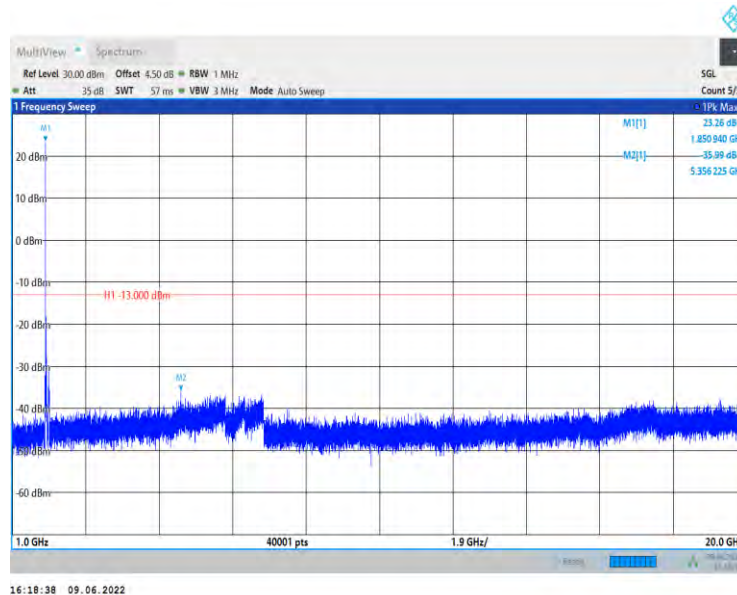
Rev.: 01

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



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



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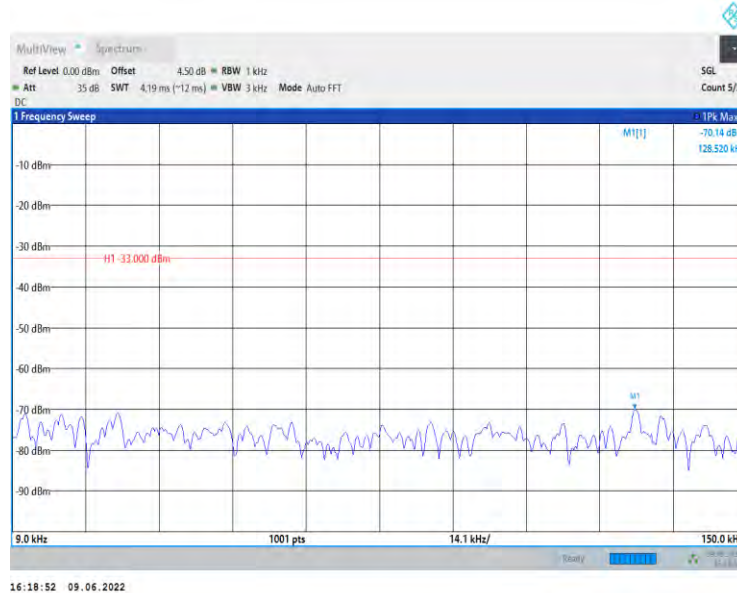
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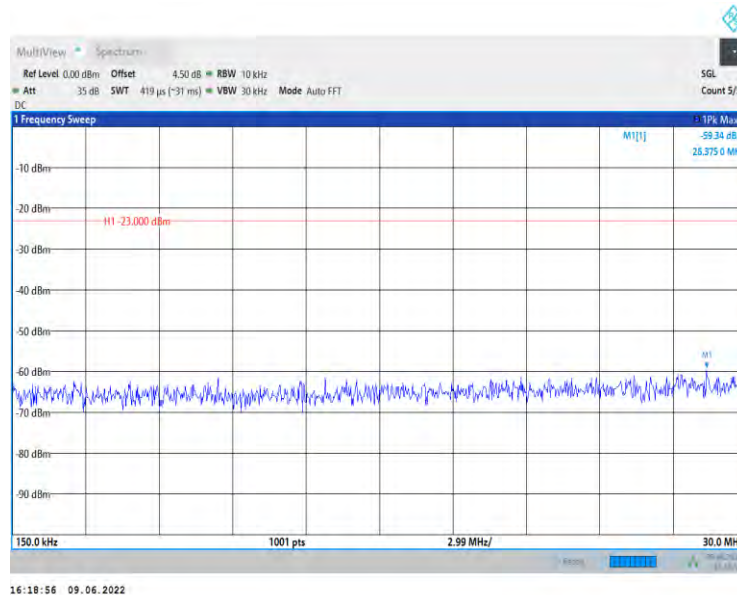
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Band2-20MHz-QPSK-18900-1RB#0-Range1:0.009~0.15MHz



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



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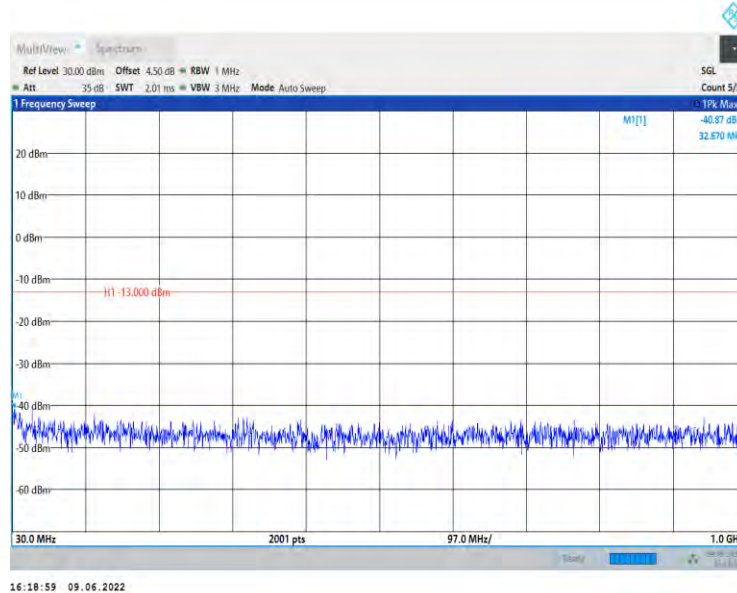
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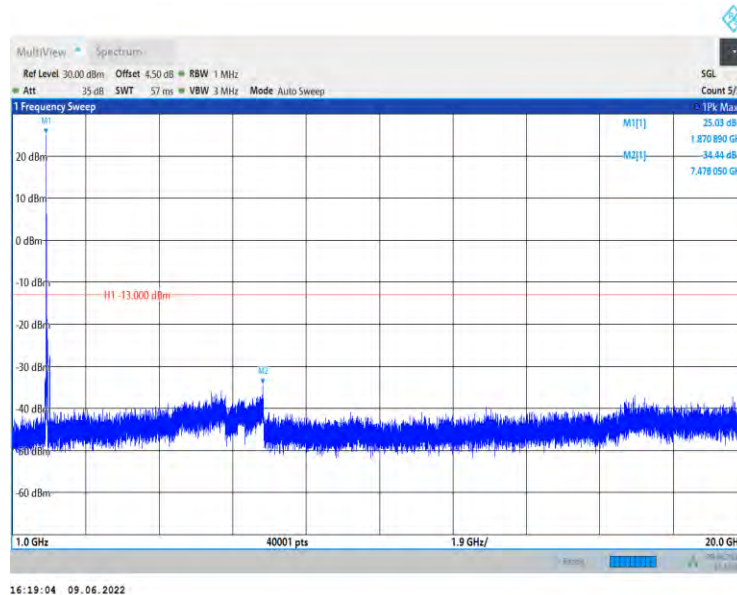
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Band2-20MHz-QPSK-18900-1RB#0-Range3:30~1000MHz



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



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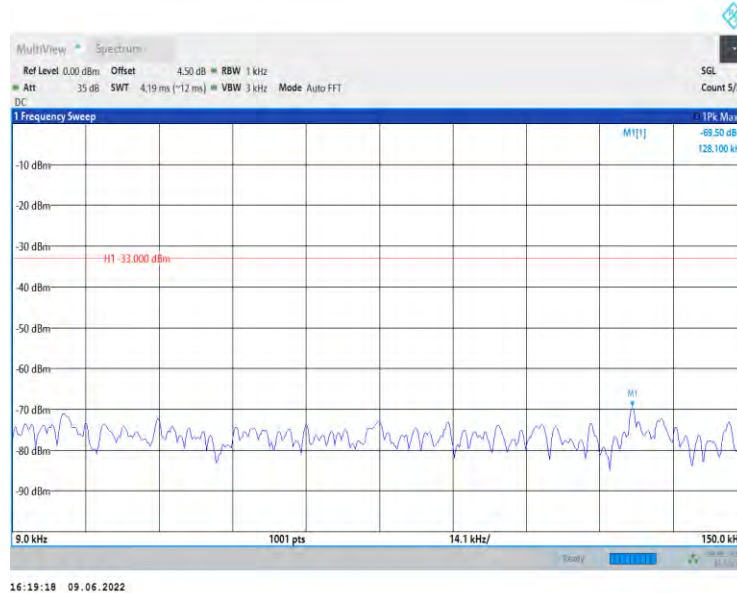
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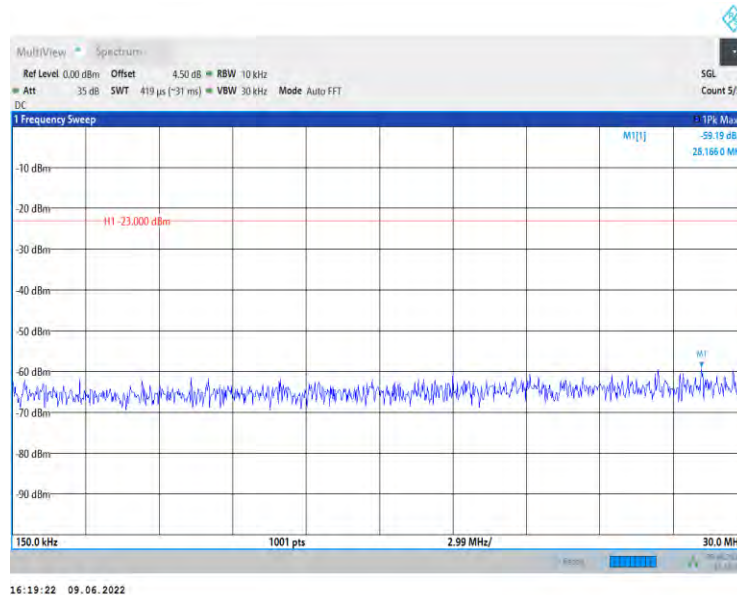
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Band2-20MHz-QPSK-19100-1RB#0-Range2:0.15~30MHz



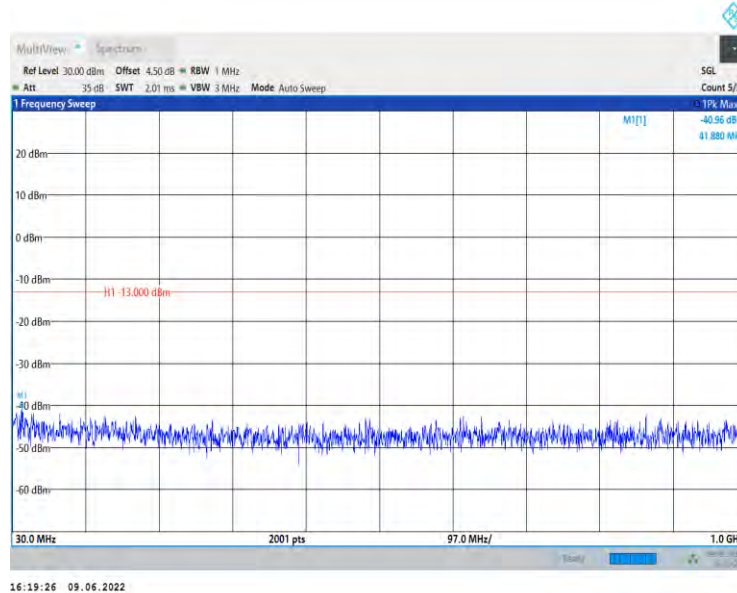
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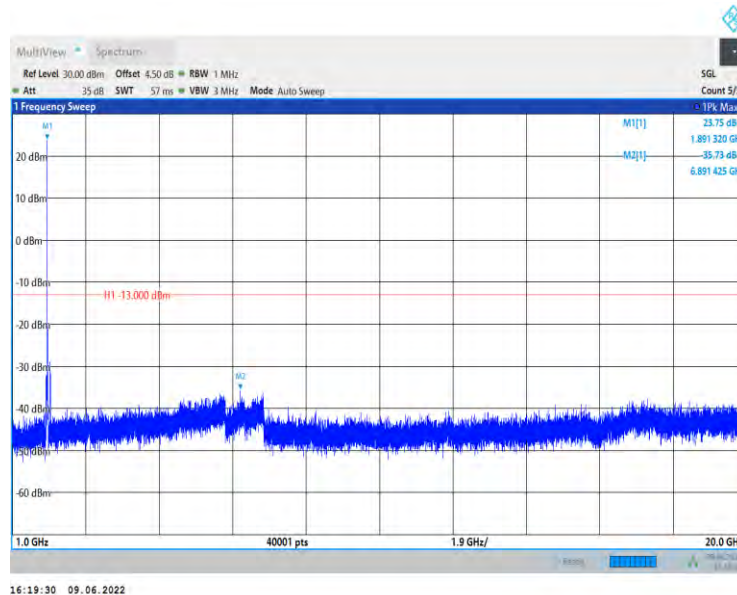
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Band2-20MHz-QPSK-19100-1RB#0-Range3:30~1000MHz



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



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Field Strength of Spurious Radiation

Test Band = LTE Band 2_ TM1

Test Channel = Low Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3702.18	58.28	-45.69	29.89	-52.79	-13.00	39.79	163	236	Horizontal
2	5553	61.94	-43.87	32.77	-44.42	-13.00	31.42	254	13	Horizontal
3	7404.36	62.32	-41.96	36.44	-38.46	-13.00	25.46	178	260	Horizontal
4	9255.45	56.88	-38.39	38.57	-38.20	-13.00	25.20	265	285	Horizontal
5	11106.54	55.21	-35.35	39.49	-35.91	-13.00	22.91	241	285	Horizontal
6	12957.63	46.68	-34.89	39.56	-43.92	-13.00	30.92	166	48	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	63.85	-45.69	29.88	-47.22	-13.00	34.22	142	73	Vertical
2	5553.27	65.65	-43.87	32.77	-40.71	-13.00	27.71	286	191	Vertical
3	7404.36	61.63	-41.96	36.44	-39.15	-13.00	26.15	263	37	Vertical
4	9255.45	60.92	-38.39	38.57	-34.16	-13.00	21.16	254	335	Vertical
5	11106.54	57.40	-35.35	39.49	-33.72	-13.00	20.72	174	324	Vertical
6	12957.63	51.53	-34.89	39.56	-39.07	-13.00	26.07	185	345	Vertical



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Test Band = LTE Band 2_ TM1

Test Channel = Mid Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3742.18	62.72	-45.59	29.98	-48.14	-13.00	35.14	163	242	Horizontal
2	5613.27	65.16	-43.84	32.96	-40.98	-13.00	27.98	254	348	Horizontal
3	7484.36	60.63	-41.66	36.49	-39.80	-13.00	26.80	178	338	Horizontal
4	9355.45	57.76	-38.26	38.56	-37.20	-13.00	24.20	265	291	Horizontal
5	11226.54	55.27	-35.07	39.37	-35.68	-13.00	22.68	241	267	Horizontal
6	13097.63	48.16	-34.47	39.66	-41.91	-13.00	28.91	189	87	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	3742.18	65.50	-45.59	29.98	-45.36	-13.00	32.36	142	360	Vertical
2	5613.27	66.35	-43.84	32.96	-39.79	-13.00	26.79	263	157	Vertical
3	7484.25	63.37	-41.66	36.49	-37.06	-13.00	24.06	254	345	Vertical
4	9355.45	63.18	-38.26	38.56	-31.78	-13.00	18.78	144	312	Vertical
5	11226.54	57.02	-35.07	39.37	-33.93	-13.00	20.93	163	312	Vertical
6	13097.63	52.94	-34.47	39.66	-37.13	-13.00	24.13	251	312	Vertical



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Test Band = LTE Band 2_ TM1

Test Channel = High Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3782.18	62.97	-45.48	30.08	-47.69	-13.00	34.69	163	228	Horizontal
2	5673.27	64.51	-43.77	33.16	-41.37	-13.00	28.37	254	241	Horizontal
3	7564.36	61.67	-41.38	36.63	-38.34	-13.00	25.34	174	37	Horizontal
4	9455.45	55.00	-38.15	38.55	-39.86	-13.00	26.86	156	360	Horizontal
5	11346.54	55.76	-35.43	39.25	-35.68	-13.00	22.68	263	264	Horizontal
6	13237.63	47.89	-34.98	39.74	-42.60	-13.00	29.60	287	97	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	3782.18	65.10	-45.48	30.08	-45.56	-13.00	32.56	161	14	Vertical
2	5673	68.33	-43.77	33.15	-37.55	-13.00	24.55	185	145	Vertical
3	7564.36	63.66	-41.38	36.63	-36.35	-13.00	23.35	263	338	Vertical
4	9455.45	58.85	-38.15	38.55	-36.01	-13.00	23.01	364	316	Vertical
5	11346.54	57.49	-35.43	39.25	-33.95	-13.00	20.95	142	304	Vertical
6	13237.5	52.47	-34.97	39.74	-38.02	-13.00	25.02	265	316	Vertical

Remark:

The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier gain. The basic equation with a sample calculation is as follows:

Level = Reading Level(dBμV) + AF(dB/m) + Factor(dB):

Factor = Cable Factor(dB) - Preamplifier gain(dB)

AF = Antenna Factor(dB/m)

Margin = Limit(dBm) – Level(dBm)

dBm = dBμV – 95.26



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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	-32.60	-0.017340	PASS
Band2	20MHz	QPSK	18900	100RB#0	VN	NT	-44.40	-0.023617	PASS
Band2	20MHz	QPSK	18900	100RB#0	VH	NT	-5.40	-0.002872	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	-0.50	-0.000266	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	-10	-2.50	-0.001330	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	0	5.20	0.002766	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	10	-0.10	-0.000053	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	20	-18.50	-0.009840	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	30	-6.90	-0.003670	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	40	-1.10	-0.000585	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	50	-10.40	-0.005532	PASS

---End of Attachment---



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