

# Appendix B.3

## LTE Band 2



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## Effective (Isotropic) Radiated Power Output Data

### Test Result

#### ANT0:

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	EIRP(dBm)	Limit(dBm)	Verdict
Band2	1.4MHz	QPSK	18607	1RB#0	22.58	19.29	33	PASS
Band2	1.4MHz	QPSK	18607	1RB#2	22.46	19.17	33	PASS
Band2	1.4MHz	QPSK	18607	1RB#5	22.38	19.09	33	PASS
Band2	1.4MHz	QPSK	18607	6RB#0	21.49	18.2	33	PASS
Band2	1.4MHz	QPSK	18900	1RB#0	22.76	19.47	33	PASS
Band2	1.4MHz	QPSK	18900	1RB#2	22.46	19.17	33	PASS
Band2	1.4MHz	QPSK	18900	1RB#5	22.45	19.16	33	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	21.53	18.24	33	PASS
Band2	1.4MHz	QPSK	19193	1RB#0	22.56	19.27	33	PASS
Band2	1.4MHz	QPSK	19193	1RB#2	22.43	19.14	33	PASS
Band2	1.4MHz	QPSK	19193	1RB#5	22.36	19.07	33	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	21.52	18.23	33	PASS
Band2	1.4MHz	16QAM	18607	1RB#0	21.62	18.33	33	PASS
Band2	1.4MHz	16QAM	18607	1RB#2	21.86	18.57	33	PASS
Band2	1.4MHz	16QAM	18607	1RB#5	21.91	18.62	33	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	20.59	17.3	33	PASS
Band2	1.4MHz	16QAM	18900	1RB#0	21.62	18.33	33	PASS
Band2	1.4MHz	16QAM	18900	1RB#2	21.71	18.42	33	PASS
Band2	1.4MHz	16QAM	18900	1RB#5	21.73	18.44	33	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	20.6	17.31	33	PASS
Band2	1.4MHz	16QAM	19193	1RB#0	21.48	18.19	33	PASS
Band2	1.4MHz	16QAM	19193	1RB#2	21.58	18.29	33	PASS
Band2	1.4MHz	16QAM	19193	1RB#5	21.58	18.29	33	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	20.52	17.23	33	PASS
Band2	1.4MHz	64QAM	18607	1RB#0	20.13	16.84	33	PASS
Band2	1.4MHz	64QAM	18607	1RB#2	20.82	17.53	33	PASS



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Band2	1.4MHz	64QAM	18607	1RB#5	20.51	17.22	33	PASS
Band2	1.4MHz	64QAM	18607	6RB#0	19.51	16.22	33	PASS
Band2	1.4MHz	64QAM	18900	1RB#0	19.92	16.63	33	PASS
Band2	1.4MHz	64QAM	18900	1RB#2	20.99	17.7	33	PASS
Band2	1.4MHz	64QAM	18900	1RB#5	20.49	17.2	33	PASS
Band2	1.4MHz	64QAM	18900	6RB#0	19.57	16.28	33	PASS
Band2	1.4MHz	64QAM	19193	1RB#0	20.05	16.76	33	PASS
Band2	1.4MHz	64QAM	19193	1RB#2	20.63	17.34	33	PASS
Band2	1.4MHz	64QAM	19193	1RB#5	20.68	17.39	33	PASS
Band2	1.4MHz	64QAM	19193	6RB#0	19.47	16.18	33	PASS
Band2	1.4MHz	256QAM	18607	1RB#0	17.74	14.45	33	PASS
Band2	1.4MHz	256QAM	18607	1RB#2	17.86	14.57	33	PASS
Band2	1.4MHz	256QAM	18607	1RB#5	17.52	14.23	33	PASS
Band2	1.4MHz	256QAM	18607	6RB#0	17.54	14.25	33	PASS
Band2	1.4MHz	256QAM	18900	1RB#0	17.01	13.72	33	PASS
Band2	1.4MHz	256QAM	18900	1RB#2	17.63	14.34	33	PASS
Band2	1.4MHz	256QAM	18900	1RB#5	17.59	14.3	33	PASS
Band2	1.4MHz	256QAM	18900	6RB#0	17.41	14.12	33	PASS
Band2	1.4MHz	256QAM	19193	1RB#0	17.21	13.92	33	PASS
Band2	1.4MHz	256QAM	19193	1RB#2	17.84	14.55	33	PASS
Band2	1.4MHz	256QAM	19193	1RB#5	17.55	14.26	33	PASS
Band2	1.4MHz	256QAM	19193	6RB#0	17.54	14.25	33	PASS
Band2	3MHz	QPSK	18615	1RB#0	22.39	19.1	33	PASS
Band2	3MHz	QPSK	18615	1RB#8	22.6	19.31	33	PASS
Band2	3MHz	QPSK	18615	1RB#14	22.4	19.11	33	PASS
Band2	3MHz	QPSK	18615	15RB#0	21.35	18.06	33	PASS
Band2	3MHz	QPSK	18900	1RB#0	22.63	19.34	33	PASS
Band2	3MHz	QPSK	18900	1RB#8	22.66	19.37	33	PASS
Band2	3MHz	QPSK	18900	1RB#14	22.43	19.14	33	PASS
Band2	3MHz	QPSK	18900	15RB#0	21.45	18.16	33	PASS
Band2	3MHz	QPSK	19185	1RB#0	22.45	19.16	33	PASS
Band2	3MHz	QPSK	19185	1RB#8	22.61	19.32	33	PASS
Band2	3MHz	QPSK	19185	1RB#14	22.39	19.1	33	PASS



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Band2	3MHz	QPSK	19185	15RB#0	21.62	18.33	33	PASS
Band2	3MHz	16QAM	18615	1RB#0	21.8	18.51	33	PASS
Band2	3MHz	16QAM	18615	1RB#8	21.97	18.68	33	PASS
Band2	3MHz	16QAM	18615	1RB#14	21.5	18.21	33	PASS
Band2	3MHz	16QAM	18615	15RB#0	20.29	17	33	PASS
Band2	3MHz	16QAM	18900	1RB#0	22	18.71	33	PASS
Band2	3MHz	16QAM	18900	1RB#8	21.97	18.68	33	PASS
Band2	3MHz	16QAM	18900	1RB#14	21.59	18.3	33	PASS
Band2	3MHz	16QAM	18900	15RB#0	20.53	17.24	33	PASS
Band2	3MHz	16QAM	19185	1RB#0	21.61	18.32	33	PASS
Band2	3MHz	16QAM	19185	1RB#8	21.83	18.54	33	PASS
Band2	3MHz	16QAM	19185	1RB#14	21.94	18.65	33	PASS
Band2	3MHz	16QAM	19185	15RB#0	20.62	17.33	33	PASS
Band2	3MHz	64QAM	18615	1RB#0	20.83	17.54	33	PASS
Band2	3MHz	64QAM	18615	1RB#8	20.9	17.61	33	PASS
Band2	3MHz	64QAM	18615	1RB#14	20.15	16.86	33	PASS
Band2	3MHz	64QAM	18615	15RB#0	19.69	16.4	33	PASS
Band2	3MHz	64QAM	18900	1RB#0	20.87	17.58	33	PASS
Band2	3MHz	64QAM	18900	1RB#8	20.73	17.44	33	PASS
Band2	3MHz	64QAM	18900	1RB#14	20.7	17.41	33	PASS
Band2	3MHz	64QAM	18900	15RB#0	19.6	16.31	33	PASS
Band2	3MHz	64QAM	19185	1RB#0	20.95	17.66	33	PASS
Band2	3MHz	64QAM	19185	1RB#8	20.76	17.47	33	PASS
Band2	3MHz	64QAM	19185	1RB#14	20.74	17.45	33	PASS
Band2	3MHz	64QAM	19185	15RB#0	19.67	16.38	33	PASS
Band2	3MHz	256QAM	18615	1RB#0	17.76	14.47	33	PASS
Band2	3MHz	256QAM	18615	1RB#8	17.62	14.33	33	PASS
Band2	3MHz	256QAM	18615	1RB#14	17.27	13.98	33	PASS
Band2	3MHz	256QAM	18615	15RB#0	17.6	14.31	33	PASS
Band2	3MHz	256QAM	18900	1RB#0	17.62	14.33	33	PASS
Band2	3MHz	256QAM	18900	1RB#8	17.82	14.53	33	PASS
Band2	3MHz	256QAM	18900	1RB#14	17.78	14.49	33	PASS
Band2	3MHz	256QAM	18900	15RB#0	17.69	14.4	33	PASS



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Band2	3MHz	256QAM	19185	1RB#0	17.85	14.56	33	PASS
Band2	3MHz	256QAM	19185	1RB#8	17.76	14.47	33	PASS
Band2	3MHz	256QAM	19185	1RB#14	17.65	14.36	33	PASS
Band2	3MHz	256QAM	19185	15RB#0	17.63	14.34	33	PASS
Band2	5MHz	QPSK	18625	1RB#0	22.47	19.18	33	PASS
Band2	5MHz	QPSK	18625	1RB#12	22.49	19.2	33	PASS
Band2	5MHz	QPSK	18625	1RB#24	22.51	19.22	33	PASS
Band2	5MHz	QPSK	18625	25RB#0	21.63	18.34	33	PASS
Band2	5MHz	QPSK	18900	1RB#0	22.44	19.15	33	PASS
Band2	5MHz	QPSK	18900	1RB#12	22.43	19.14	33	PASS
Band2	5MHz	QPSK	18900	1RB#24	22.43	19.14	33	PASS
Band2	5MHz	QPSK	18900	25RB#0	21.56	18.27	33	PASS
Band2	5MHz	QPSK	19175	1RB#0	22.63	19.34	33	PASS
Band2	5MHz	QPSK	19175	1RB#12	22.56	19.27	33	PASS
Band2	5MHz	QPSK	19175	1RB#24	22.48	19.19	33	PASS
Band2	5MHz	QPSK	19175	25RB#0	21.5	18.21	33	PASS
Band2	5MHz	16QAM	18625	1RB#0	21.7	18.41	33	PASS
Band2	5MHz	16QAM	18625	1RB#12	21.85	18.56	33	PASS
Band2	5MHz	16QAM	18625	1RB#24	21.68	18.39	33	PASS
Band2	5MHz	16QAM	18625	25RB#0	20.69	17.4	33	PASS
Band2	5MHz	16QAM	18900	1RB#0	21.84	18.55	33	PASS
Band2	5MHz	16QAM	18900	1RB#12	21.75	18.46	33	PASS
Band2	5MHz	16QAM	18900	1RB#24	21.92	18.63	33	PASS
Band2	5MHz	16QAM	18900	25RB#0	20.58	17.29	33	PASS
Band2	5MHz	16QAM	19175	1RB#0	21.94	18.65	33	PASS
Band2	5MHz	16QAM	19175	1RB#12	21.85	18.56	33	PASS
Band2	5MHz	16QAM	19175	1RB#24	21.78	18.49	33	PASS
Band2	5MHz	16QAM	19175	25RB#0	20.51	17.22	33	PASS
Band2	5MHz	64QAM	18625	1RB#0	20.82	17.53	33	PASS
Band2	5MHz	64QAM	18625	1RB#12	20.86	17.57	33	PASS
Band2	5MHz	64QAM	18625	1RB#24	20.84	17.55	33	PASS
Band2	5MHz	64QAM	18625	25RB#0	19.62	16.33	33	PASS
Band2	5MHz	64QAM	18900	1RB#0	20.77	17.48	33	PASS



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Band2	5MHz	64QAM	18900	1RB#12	20.83	17.54	33	PASS
Band2	5MHz	64QAM	18900	1RB#24	20.81	17.52	33	PASS
Band2	5MHz	64QAM	18900	25RB#0	19.56	16.27	33	PASS
Band2	5MHz	64QAM	19175	1RB#0	20.69	17.4	33	PASS
Band2	5MHz	64QAM	19175	1RB#12	20.75	17.46	33	PASS
Band2	5MHz	64QAM	19175	1RB#24	20.75	17.46	33	PASS
Band2	5MHz	64QAM	19175	25RB#0	19.53	16.24	33	PASS
Band2	5MHz	256QAM	18625	1RB#0	17.66	14.37	33	PASS
Band2	5MHz	256QAM	18625	1RB#12	18.12	14.83	33	PASS
Band2	5MHz	256QAM	18625	1RB#24	17.61	14.32	33	PASS
Band2	5MHz	256QAM	18625	25RB#0	17.61	14.32	33	PASS
Band2	5MHz	256QAM	18900	1RB#0	17.78	14.49	33	PASS
Band2	5MHz	256QAM	18900	1RB#12	17.68	14.39	33	PASS
Band2	5MHz	256QAM	18900	1RB#24	17.76	14.47	33	PASS
Band2	5MHz	256QAM	18900	25RB#0	17.59	14.3	33	PASS
Band2	5MHz	256QAM	19175	1RB#0	17.77	14.48	33	PASS
Band2	5MHz	256QAM	19175	1RB#12	17.73	14.44	33	PASS
Band2	5MHz	256QAM	19175	1RB#24	17.73	14.44	33	PASS
Band2	5MHz	256QAM	19175	25RB#0	17.48	14.19	33	PASS
Band2	10MHz	QPSK	18650	1RB#0	22.35	19.06	33	PASS
Band2	10MHz	QPSK	18650	1RB#24	22.49	19.2	33	PASS
Band2	10MHz	QPSK	18650	1RB#49	22.54	19.25	33	PASS
Band2	10MHz	QPSK	18650	50RB#0	21.65	18.36	33	PASS
Band2	10MHz	QPSK	18900	1RB#0	22.63	19.34	33	PASS
Band2	10MHz	QPSK	18900	1RB#24	22.53	19.24	33	PASS
Band2	10MHz	QPSK	18900	1RB#49	22.51	19.22	33	PASS
Band2	10MHz	QPSK	18900	50RB#0	21.53	18.24	33	PASS
Band2	10MHz	QPSK	19150	1RB#0	22.41	19.12	33	PASS
Band2	10MHz	QPSK	19150	1RB#24	22.56	19.27	33	PASS
Band2	10MHz	QPSK	19150	1RB#49	22.53	19.24	33	PASS
Band2	10MHz	QPSK	19150	50RB#0	21.54	18.25	33	PASS
Band2	10MHz	16QAM	18650	1RB#0	21.76	18.47	33	PASS
Band2	10MHz	16QAM	18650	1RB#24	21.62	18.33	33	PASS



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Band2	10MHz	16QAM	18650	1RB#49	21.66	18.37	33	PASS
Band2	10MHz	16QAM	18650	50RB#0	20.69	17.4	33	PASS
Band2	10MHz	16QAM	18900	1RB#0	21.73	18.44	33	PASS
Band2	10MHz	16QAM	18900	1RB#24	21.82	18.53	33	PASS
Band2	10MHz	16QAM	18900	1RB#49	21.61	18.32	33	PASS
Band2	10MHz	16QAM	18900	50RB#0	20.64	17.35	33	PASS
Band2	10MHz	16QAM	19150	1RB#0	21.65	18.36	33	PASS
Band2	10MHz	16QAM	19150	1RB#24	21.73	18.44	33	PASS
Band2	10MHz	16QAM	19150	1RB#49	21.64	18.35	33	PASS
Band2	10MHz	16QAM	19150	50RB#0	20.63	17.34	33	PASS
Band2	10MHz	64QAM	18650	1RB#0	20.72	17.43	33	PASS
Band2	10MHz	64QAM	18650	1RB#24	20.82	17.53	33	PASS
Band2	10MHz	64QAM	18650	1RB#49	20.79	17.5	33	PASS
Band2	10MHz	64QAM	18650	50RB#0	19.69	16.4	33	PASS
Band2	10MHz	64QAM	18900	1RB#0	20.73	17.44	33	PASS
Band2	10MHz	64QAM	18900	1RB#24	20.77	17.48	33	PASS
Band2	10MHz	64QAM	18900	1RB#49	20.82	17.53	33	PASS
Band2	10MHz	64QAM	18900	50RB#0	19.54	16.25	33	PASS
Band2	10MHz	64QAM	19150	1RB#0	20.73	17.44	33	PASS
Band2	10MHz	64QAM	19150	1RB#24	20.83	17.54	33	PASS
Band2	10MHz	64QAM	19150	1RB#49	20.78	17.49	33	PASS
Band2	10MHz	64QAM	19150	50RB#0	19.6	16.31	33	PASS
Band2	10MHz	256QAM	18650	1RB#0	17.58	14.29	33	PASS
Band2	10MHz	256QAM	18650	1RB#24	17.74	14.45	33	PASS
Band2	10MHz	256QAM	18650	1RB#49	17.68	14.39	33	PASS
Band2	10MHz	256QAM	18650	50RB#0	17.63	14.34	33	PASS
Band2	10MHz	256QAM	18900	1RB#0	17.66	14.37	33	PASS
Band2	10MHz	256QAM	18900	1RB#24	17.8	14.51	33	PASS
Band2	10MHz	256QAM	18900	1RB#49	17.63	14.34	33	PASS
Band2	10MHz	256QAM	18900	50RB#0	17.65	14.36	33	PASS
Band2	10MHz	256QAM	19150	1RB#0	17.64	14.35	33	PASS
Band2	10MHz	256QAM	19150	1RB#24	17.74	14.45	33	PASS
Band2	10MHz	256QAM	19150	1RB#49	17.65	14.36	33	PASS



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Band2	10MHz	256QAM	19150	50RB#0	17.61	14.32	33	PASS
Band2	15MHz	QPSK	18675	1RB#0	22.31	19.02	33	PASS
Band2	15MHz	QPSK	18675	1RB#38	22.37	19.08	33	PASS
Band2	15MHz	QPSK	18675	1RB#74	22.44	19.15	33	PASS
Band2	15MHz	QPSK	18675	75RB#0	21.55	18.26	33	PASS
Band2	15MHz	QPSK	18900	1RB#0	22.32	19.03	33	PASS
Band2	15MHz	QPSK	18900	1RB#38	22.37	19.08	33	PASS
Band2	15MHz	QPSK	18900	1RB#74	22.41	19.12	33	PASS
Band2	15MHz	QPSK	18900	75RB#0	21.45	18.16	33	PASS
Band2	15MHz	QPSK	19125	1RB#0	22.52	19.23	33	PASS
Band2	15MHz	QPSK	19125	1RB#38	22.25	18.96	33	PASS
Band2	15MHz	QPSK	19125	1RB#74	22.41	19.12	33	PASS
Band2	15MHz	QPSK	19125	75RB#0	21.48	18.19	33	PASS
Band2	15MHz	16QAM	18675	1RB#0	21.75	18.46	33	PASS
Band2	15MHz	16QAM	18675	1RB#38	21.73	18.44	33	PASS
Band2	15MHz	16QAM	18675	1RB#74	21.75	18.46	33	PASS
Band2	15MHz	16QAM	18675	75RB#0	20.55	17.26	33	PASS
Band2	15MHz	16QAM	18900	1RB#0	21.72	18.43	33	PASS
Band2	15MHz	16QAM	18900	1RB#38	21.65	18.36	33	PASS
Band2	15MHz	16QAM	18900	1RB#74	21.86	18.57	33	PASS
Band2	15MHz	16QAM	18900	75RB#0	20.46	17.17	33	PASS
Band2	15MHz	16QAM	19125	1RB#0	21.7	18.41	33	PASS
Band2	15MHz	16QAM	19125	1RB#38	21.59	18.3	33	PASS
Band2	15MHz	16QAM	19125	1RB#74	21.56	18.27	33	PASS
Band2	15MHz	16QAM	19125	75RB#0	20.59	17.3	33	PASS
Band2	15MHz	64QAM	18675	1RB#0	20.58	17.29	33	PASS
Band2	15MHz	64QAM	18675	1RB#38	20.62	17.33	33	PASS
Band2	15MHz	64QAM	18675	1RB#74	20.6	17.31	33	PASS
Band2	15MHz	64QAM	18675	75RB#0	19.53	16.24	33	PASS
Band2	15MHz	64QAM	18900	1RB#0	20.54	17.25	33	PASS
Band2	15MHz	64QAM	18900	1RB#38	20.73	17.44	33	PASS
Band2	15MHz	64QAM	18900	1RB#74	20.69	17.4	33	PASS
Band2	15MHz	64QAM	18900	75RB#0	19.45	16.16	33	PASS



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Band2	15MHz	64QAM	19125	1RB#0	20.56	17.27	33	PASS
Band2	15MHz	64QAM	19125	1RB#38	20.62	17.33	33	PASS
Band2	15MHz	64QAM	19125	1RB#74	20.57	17.28	33	PASS
Band2	15MHz	64QAM	19125	75RB#0	19.51	16.22	33	PASS
Band2	15MHz	256QAM	18675	1RB#0	17.55	14.26	33	PASS
Band2	15MHz	256QAM	18675	1RB#38	17.52	14.23	33	PASS
Band2	15MHz	256QAM	18675	1RB#74	17.65	14.36	33	PASS
Band2	15MHz	256QAM	18675	75RB#0	17.55	14.26	33	PASS
Band2	15MHz	256QAM	18900	1RB#0	17.58	14.29	33	PASS
Band2	15MHz	256QAM	18900	1RB#38	17.63	14.34	33	PASS
Band2	15MHz	256QAM	18900	1RB#74	17.67	14.38	33	PASS
Band2	15MHz	256QAM	18900	75RB#0	17.47	14.18	33	PASS
Band2	15MHz	256QAM	19125	1RB#0	17.46	14.17	33	PASS
Band2	15MHz	256QAM	19125	1RB#38	17.55	14.26	33	PASS
Band2	15MHz	256QAM	19125	1RB#74	17.51	14.22	33	PASS
Band2	15MHz	256QAM	19125	75RB#0	17.53	14.24	33	PASS
Band2	20MHz	QPSK	18700	1RB#0	22.19	18.9	33	PASS
Band2	20MHz	QPSK	18700	1RB#49	22.37	19.08	33	PASS
Band2	20MHz	QPSK	18700	1RB#99	22.43	19.14	33	PASS
Band2	20MHz	QPSK	18700	100RB#0	21.57	18.28	33	PASS
Band2	20MHz	QPSK	18900	1RB#0	22.66	19.37	33	PASS
Band2	20MHz	QPSK	18900	1RB#49	22.43	19.14	33	PASS
Band2	20MHz	QPSK	18900	1RB#99	22.41	19.12	33	PASS
Band2	20MHz	QPSK	18900	100RB#0	21.45	18.16	33	PASS
Band2	20MHz	QPSK	19100	1RB#0	22.41	19.12	33	PASS
Band2	20MHz	QPSK	19100	1RB#49	22.33	19.04	33	PASS
Band2	20MHz	QPSK	19100	1RB#99	22.32	19.03	33	PASS
Band2	20MHz	QPSK	19100	100RB#0	21.49	18.2	33	PASS
Band2	20MHz	16QAM	18700	1RB#0	21.75	18.46	33	PASS
Band2	20MHz	16QAM	18700	1RB#49	21.62	18.33	33	PASS
Band2	20MHz	16QAM	18700	1RB#99	21.61	18.32	33	PASS
Band2	20MHz	16QAM	18700	100RB#0	20.61	17.32	33	PASS
Band2	20MHz	16QAM	18900	1RB#0	21.69	18.4	33	PASS



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Band2	20MHz	16QAM	18900	1RB#49	21.71	18.42	33	PASS
Band2	20MHz	16QAM	18900	1RB#99	21.94	18.65	33	PASS
Band2	20MHz	16QAM	18900	100RB#0	20.55	17.26	33	PASS
Band2	20MHz	16QAM	19100	1RB#0	21.78	18.49	33	PASS
Band2	20MHz	16QAM	19100	1RB#49	21.5	18.21	33	PASS
Band2	20MHz	16QAM	19100	1RB#99	22	18.71	33	PASS
Band2	20MHz	16QAM	19100	100RB#0	20.46	17.17	33	PASS
Band2	20MHz	64QAM	18700	1RB#0	20.5	17.21	33	PASS
Band2	20MHz	64QAM	18700	1RB#49	20.57	17.28	33	PASS
Band2	20MHz	64QAM	18700	1RB#99	20.72	17.43	33	PASS
Band2	20MHz	64QAM	18700	100RB#0	19.58	16.29	33	PASS
Band2	20MHz	64QAM	18900	1RB#0	20.55	17.26	33	PASS
Band2	20MHz	64QAM	18900	1RB#49	20.68	17.39	33	PASS
Band2	20MHz	64QAM	18900	1RB#99	20.69	17.4	33	PASS
Band2	20MHz	64QAM	18900	100RB#0	19.48	16.19	33	PASS
Band2	20MHz	64QAM	19100	1RB#0	20.49	17.2	33	PASS
Band2	20MHz	64QAM	19100	1RB#49	20.6	17.31	33	PASS
Band2	20MHz	64QAM	19100	1RB#99	20.66	17.37	33	PASS
Band2	20MHz	64QAM	19100	100RB#0	19.53	16.24	33	PASS
Band2	20MHz	256QAM	18700	1RB#0	17.46	14.17	33	PASS
Band2	20MHz	256QAM	18700	1RB#49	17.6	14.31	33	PASS
Band2	20MHz	256QAM	18700	1RB#99	17.56	14.27	33	PASS
Band2	20MHz	256QAM	18700	100RB#0	17.6	14.31	33	PASS
Band2	20MHz	256QAM	18900	1RB#0	17.63	14.34	33	PASS
Band2	20MHz	256QAM	18900	1RB#49	17.57	14.28	33	PASS
Band2	20MHz	256QAM	18900	1RB#99	17.66	14.37	33	PASS
Band2	20MHz	256QAM	18900	100RB#0	17.5	14.21	33	PASS
Band2	20MHz	256QAM	19100	1RB#0	17.35	14.06	33	PASS
Band2	20MHz	256QAM	19100	1RB#49	17.35	14.06	33	PASS
Band2	20MHz	256QAM	19100	1RB#99	17.5	14.21	33	PASS
Band2	20MHz	256QAM	19100	100RB#0	17.55	14.26	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	5.12	13	PASS
Band2	20MHz	QPSK	18900	100RB#0	4.88	13	PASS
Band2	20MHz	QPSK	19100	100RB#0	4.92	13	PASS
Band2	20MHz	16QAM	18700	100RB#0	5.84	13	PASS
Band2	20MHz	16QAM	18900	100RB#0	5.62	13	PASS
Band2	20MHz	16QAM	19100	100RB#0	5.62	13	PASS
Band2	20MHz	64QAM	18700	100RB#0	6.52	13	PASS
Band2	20MHz	64QAM	18900	100RB#0	6.36	13	PASS
Band2	20MHz	64QAM	19100	100RB#0	6.36	13	PASS
Band2	20MHz	256QAM	18700	100RB#0	6.76	13	PASS
Band2	20MHz	256QAM	18900	100RB#0	6.64	13	PASS
Band2	20MHz	256QAM	19100	100RB#0	6.62	13	PASS

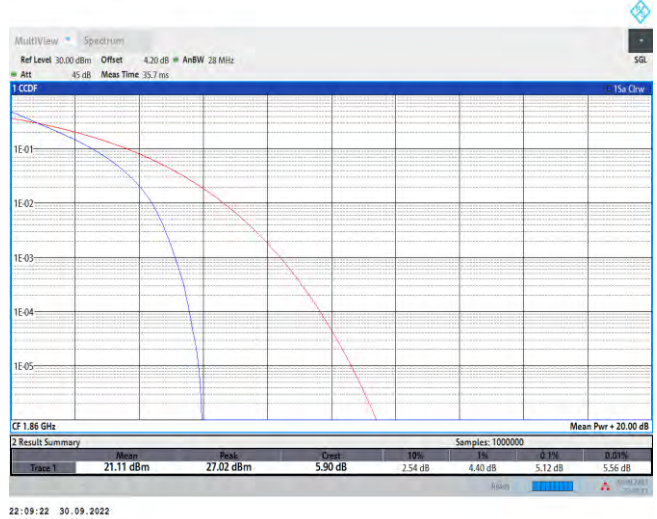


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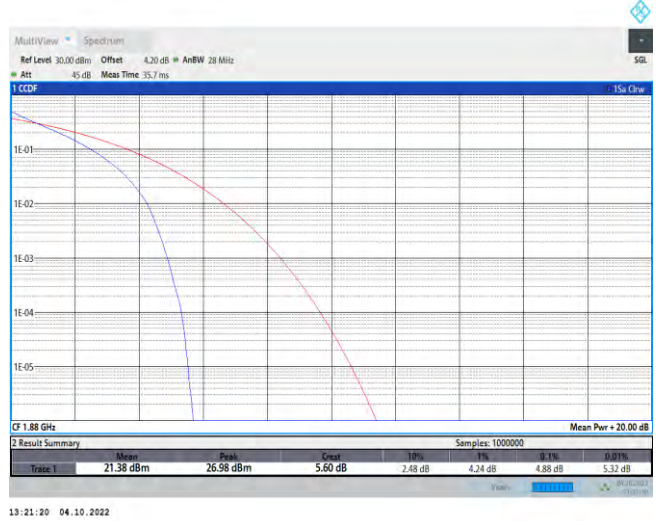
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Test Graphs

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



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



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



13:21:36 04.10.2022

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



22:09:38 30.09.2022

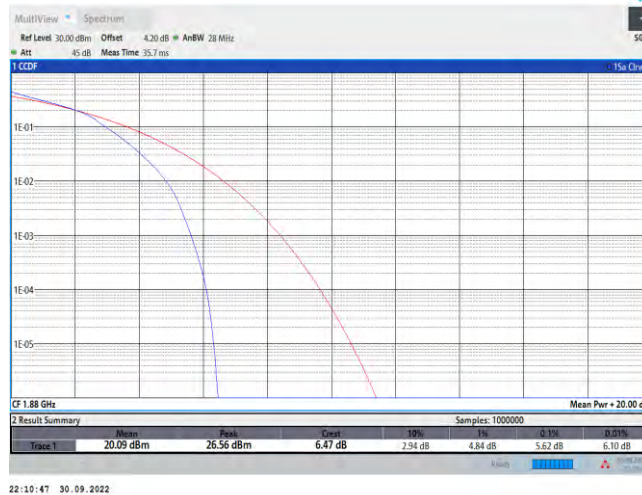


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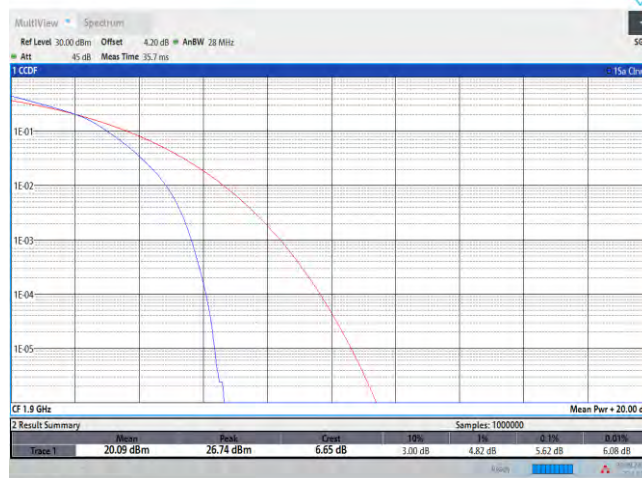
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Band2-20MHz-16QAM-18900-100RB#0



22:10:47 30.09.2022

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



22:11:55 30.09.2022

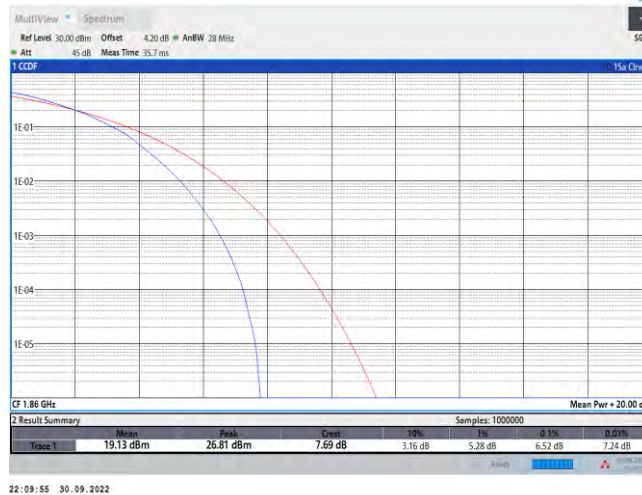


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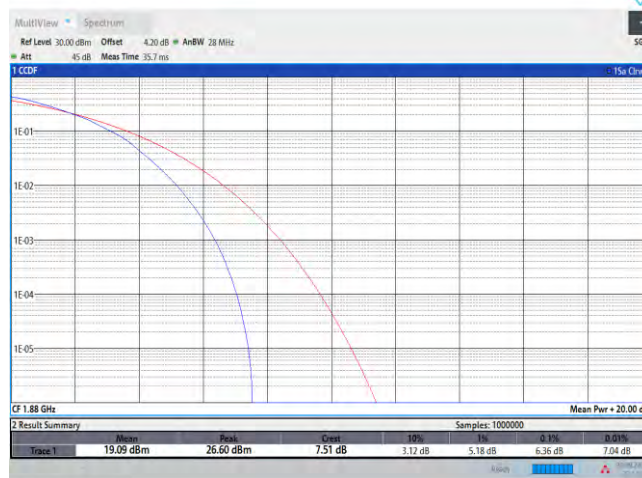
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Band2-20MHz-64QAM-18700-100RB#0



22:09:55 30.09.2022

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



22:11:03 30.09.2022



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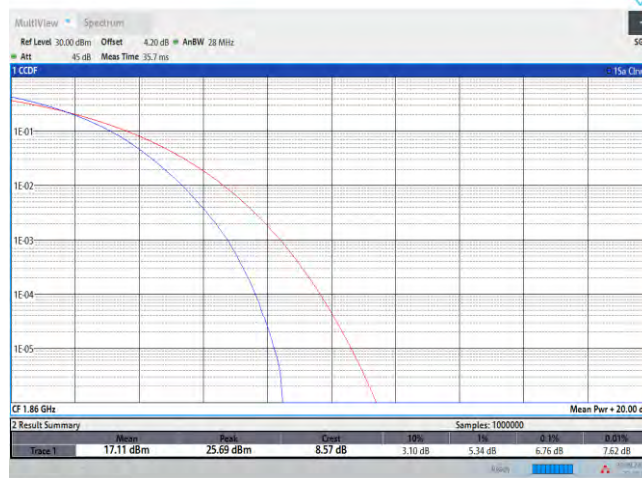
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Band2-20MHz-64QAM-19100-100RB#0



22:12:11 30.09.2022

Band2-20MHz-256QAM-18700-100RB#0



22:10:11 30.09.2022

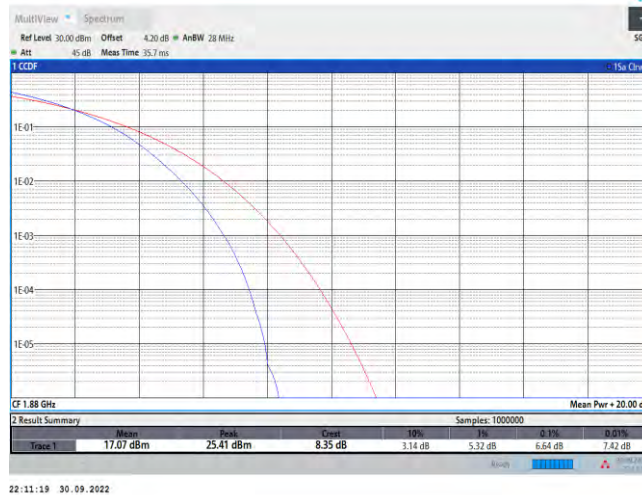


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Band2-20MHz-256QAM-18900-100RB#0



Band2-20MHz-256QAM-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
Band2	20MHz	256QAM	18900	100RB#0	PASS	PASS



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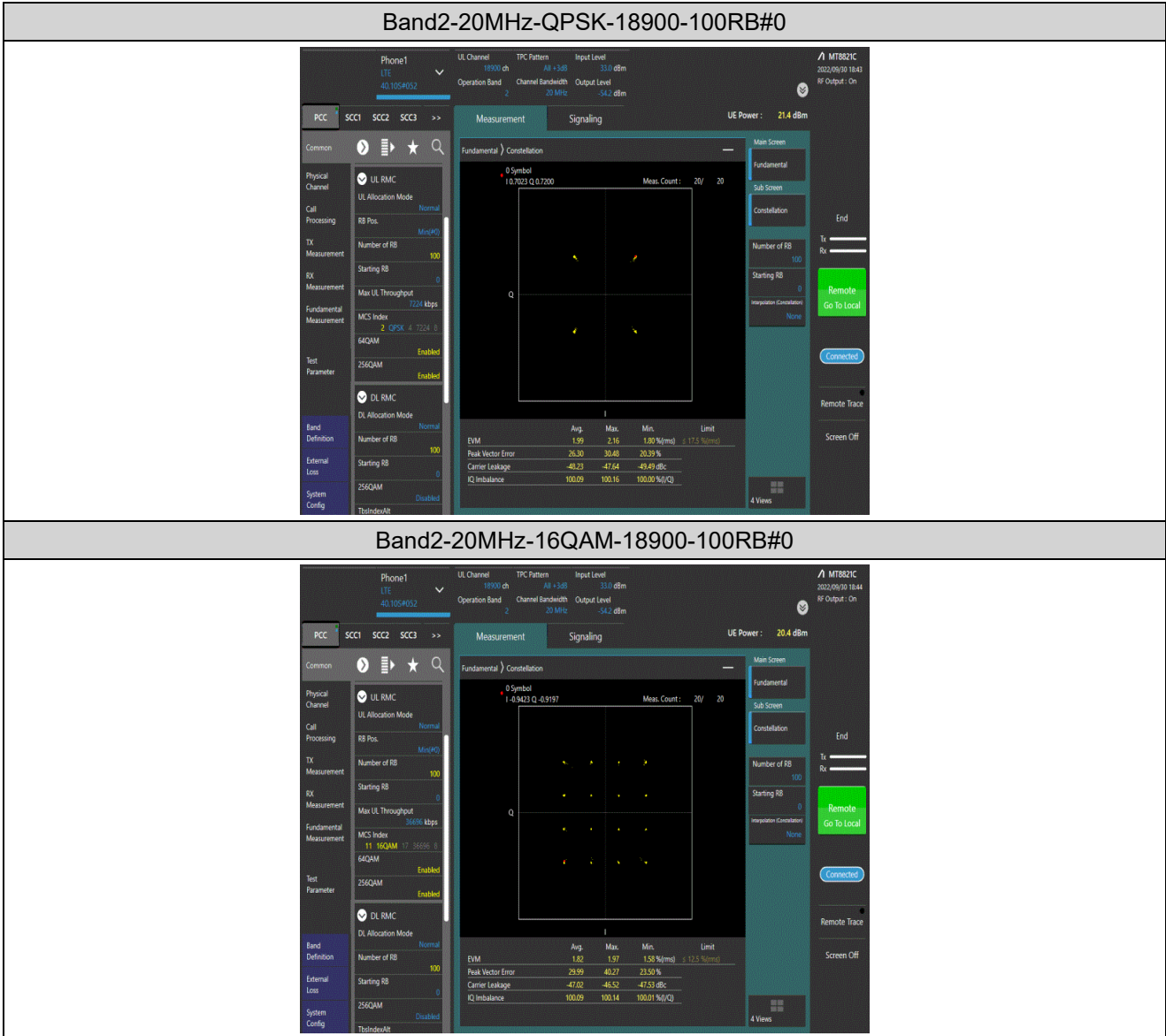
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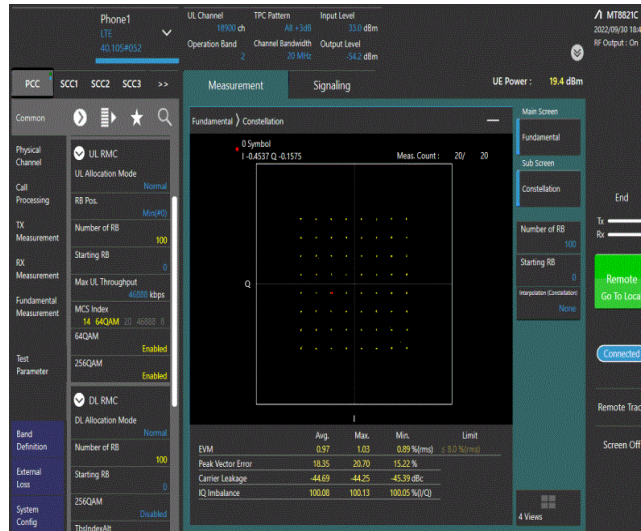
Test Graphs



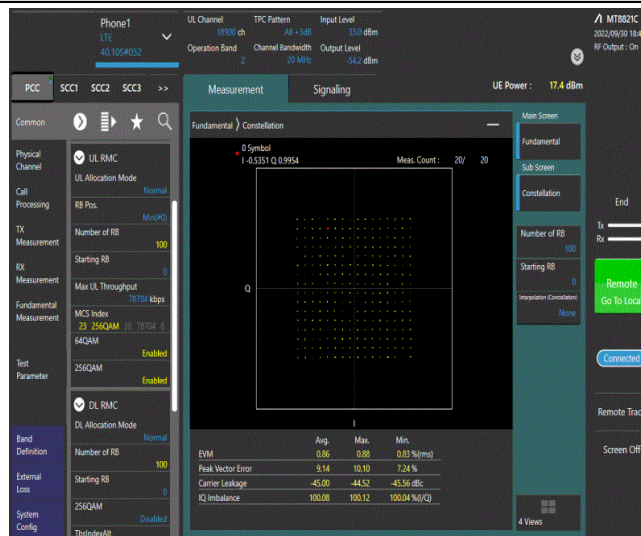
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Band2-20MHz-64QAM-18900-100RB#0



Band2-20MHz-256QAM-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	1.092	1.24	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	1.102	1.23	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	1.093	1.24	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	1.091	1.24	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	1.092	1.25	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	1.095	1.24	PASS
Band2	1.4MHz	64QAM	18607	6RB#0	1.118	1.24	PASS
Band2	1.4MHz	64QAM	18900	6RB#0	1.113	1.24	PASS
Band2	1.4MHz	64QAM	19193	6RB#0	1.125	1.26	PASS
Band2	1.4MHz	256QAM	18607	6RB#0	1.085	1.23	PASS
Band2	1.4MHz	256QAM	18900	6RB#0	1.085	1.23	PASS
Band2	1.4MHz	256QAM	19193	6RB#0	1.085	1.24	PASS
Band2	3MHz	QPSK	18615	15RB#0	2.7	3.01	PASS
Band2	3MHz	QPSK	18900	15RB#0	2.7	3.01	PASS
Band2	3MHz	QPSK	19185	15RB#0	2.7	3.02	PASS
Band2	3MHz	16QAM	18615	15RB#0	2.69	2.99	PASS
Band2	3MHz	16QAM	18900	15RB#0	2.692	3.00	PASS
Band2	3MHz	16QAM	19185	15RB#0	2.691	3.02	PASS
Band2	3MHz	64QAM	18615	15RB#0	2.69	2.98	PASS
Band2	3MHz	64QAM	18900	15RB#0	2.691	2.99	PASS
Band2	3MHz	64QAM	19185	15RB#0	2.693	3.01	PASS
Band2	3MHz	256QAM	18615	15RB#0	2.689	3.01	PASS
Band2	3MHz	256QAM	18900	15RB#0	2.689	2.99	PASS
Band2	3MHz	256QAM	19185	15RB#0	2.693	2.99	PASS
Band2	5MHz	QPSK	18625	25RB#0	4.47	4.87	PASS
Band2	5MHz	QPSK	18900	25RB#0	4.467	4.89	PASS
Band2	5MHz	QPSK	19175	25RB#0	4.466	4.87	PASS
Band2	5MHz	16QAM	18625	25RB#0	4.47	4.89	PASS
Band2	5MHz	16QAM	18900	25RB#0	4.469	4.90	PASS



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Band2	5MHz	16QAM	19175	25RB#0	4.469	4.90	PASS
Band2	5MHz	64QAM	18625	25RB#0	4.464	4.67	PASS
Band2	5MHz	64QAM	18900	25RB#0	4.474	4.87	PASS
Band2	5MHz	64QAM	19175	25RB#0	4.474	4.89	PASS
Band2	5MHz	256QAM	18625	25RB#0	4.477	4.87	PASS
Band2	5MHz	256QAM	18900	25RB#0	4.468	4.87	PASS
Band2	5MHz	256QAM	19175	25RB#0	4.468	4.87	PASS
Band2	10MHz	QPSK	18650	50RB#0	8.946	9.66	PASS
Band2	10MHz	QPSK	18900	50RB#0	8.932	9.66	PASS
Band2	10MHz	QPSK	19150	50RB#0	8.923	9.68	PASS
Band2	10MHz	16QAM	18650	50RB#0	8.934	9.76	PASS
Band2	10MHz	16QAM	18900	50RB#0	8.949	9.68	PASS
Band2	10MHz	16QAM	19150	50RB#0	8.911	9.66	PASS
Band2	10MHz	64QAM	18650	50RB#0	8.932	9.70	PASS
Band2	10MHz	64QAM	18900	50RB#0	8.93	9.70	PASS
Band2	10MHz	64QAM	19150	50RB#0	8.935	9.68	PASS
Band2	10MHz	256QAM	18650	50RB#0	8.94	9.68	PASS
Band2	10MHz	256QAM	18900	50RB#0	8.936	9.66	PASS
Band2	10MHz	256QAM	19150	50RB#0	8.927	9.58	PASS
Band2	15MHz	QPSK	18675	75RB#0	13.462	14.73	PASS
Band2	15MHz	QPSK	18900	75RB#0	13.44	14.67	PASS
Band2	15MHz	QPSK	19125	75RB#0	13.445	14.70	PASS
Band2	15MHz	16QAM	18675	75RB#0	13.471	14.70	PASS
Band2	15MHz	16QAM	18900	75RB#0	13.443	14.70	PASS
Band2	15MHz	16QAM	19125	75RB#0	13.45	14.76	PASS
Band2	15MHz	64QAM	18675	75RB#0	13.467	14.85	PASS
Band2	15MHz	64QAM	18900	75RB#0	13.455	14.76	PASS
Band2	15MHz	64QAM	19125	75RB#0	13.453	14.79	PASS
Band2	15MHz	256QAM	18675	75RB#0	13.441	14.64	PASS
Band2	15MHz	256QAM	18900	75RB#0	13.432	14.73	PASS
Band2	15MHz	256QAM	19125	75RB#0	13.445	14.73	PASS
Band2	20MHz	QPSK	18700	100RB#0	17.907	19.48	PASS
Band2	20MHz	QPSK	18900	100RB#0	17.885	19.40	PASS
Band2	20MHz	QPSK	19100	100RB#0	17.881	19.48	PASS
Band2	20MHz	16QAM	18700	100RB#0	17.901	19.36	PASS
Band2	20MHz	16QAM	18900	100RB#0	17.856	19.40	PASS
Band2	20MHz	16QAM	19100	100RB#0	17.881	19.40	PASS
Band2	20MHz	64QAM	18700	100RB#0	17.883	19.40	PASS



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Band2	20MHz	64QAM	18900	100RB#0	17.855	19.40	PASS
Band2	20MHz	64QAM	19100	100RB#0	17.874	19.36	PASS
Band2	20MHz	256QAM	18700	100RB#0	17.897	22.32	PASS
Band2	20MHz	256QAM	18900	100RB#0	17.87	19.20	PASS
Band2	20MHz	256QAM	19100	100RB#0	17.87	19.40	PASS



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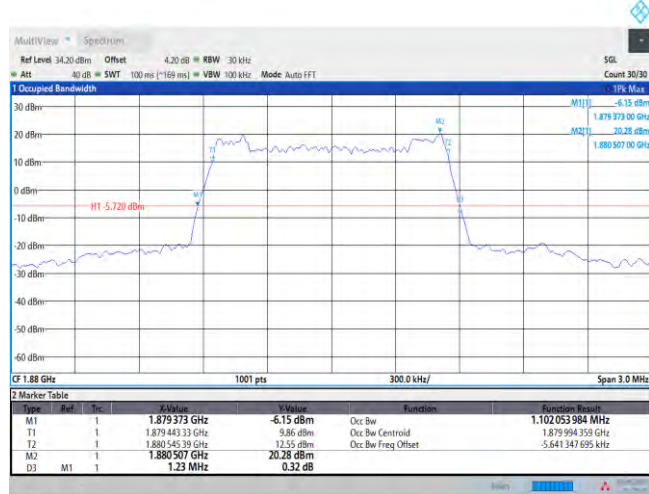
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Band2-1.4MHz-QPSK-18607-6RB#0



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



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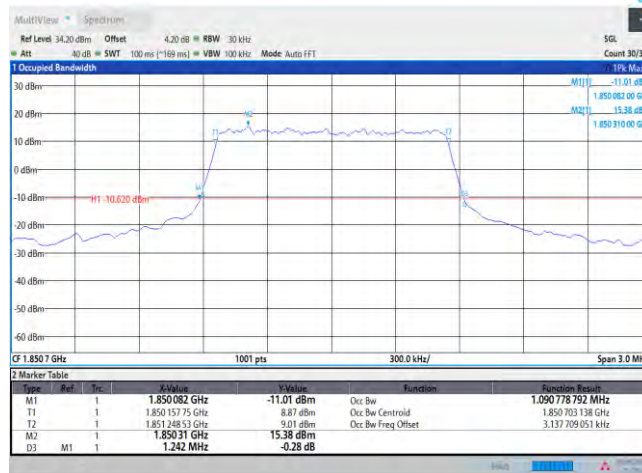


Band2-1.4MHz-QPSK-19193-6RB#0



21:30:53 30.09.2022

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



21:28:48 30.09.2022



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



21:29:59 30.09.2022

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



21:31:10 30.09.2022



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



21:29:05 30.09.2022

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



21:30:16 30.09.2022



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



21:31:27 30.09.2022

Band2-1.4MHz-256QAM-18607-6RB#0



21:29:23 30.09.2022



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Band2-1.4MHz-256QAM-18900-6RB#0



21:30:33 30.09.2022

Band2-1.4MHz-256QAM-19193-6RB#0



21:31:44 30.09.2022

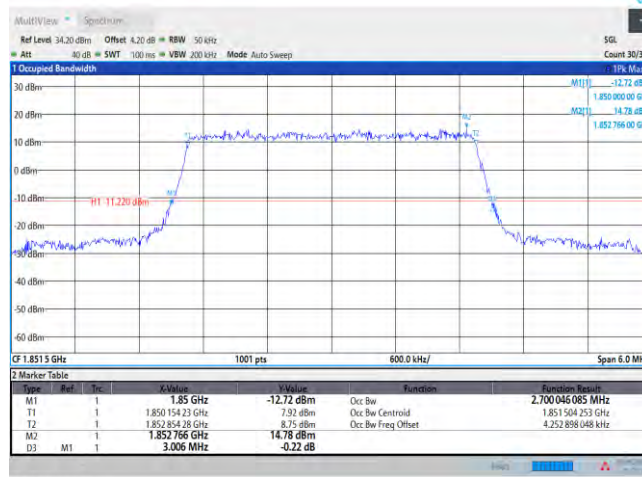


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Band2-3MHz-QPSK-18615-15RB#0



21:32:13 30.09.2022

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



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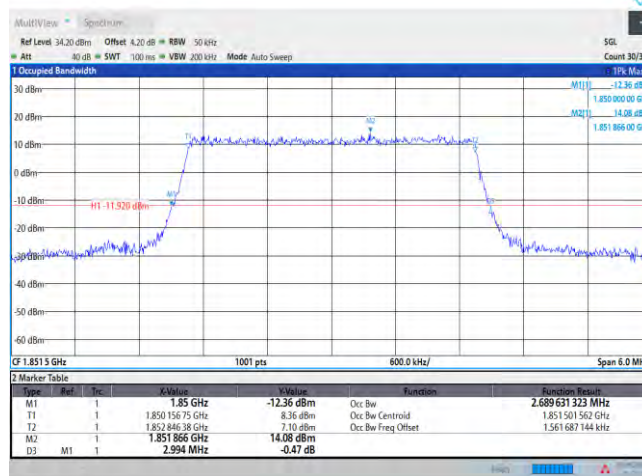
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Band2-3MHz-QPSK-19185-15RB#0



21:34:27 30.09.2022

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



21:32:30 30.09.2022



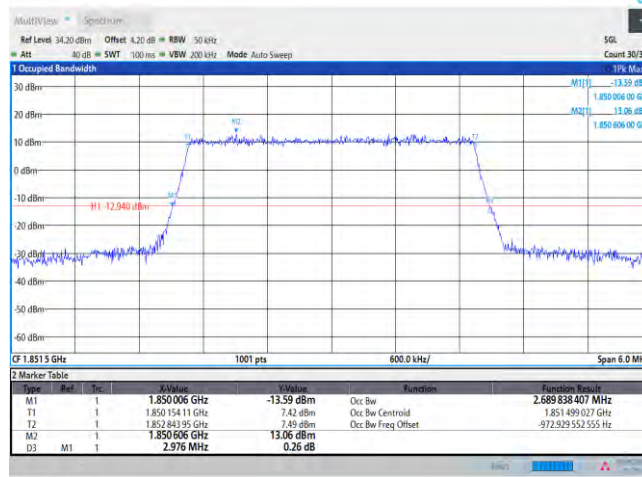
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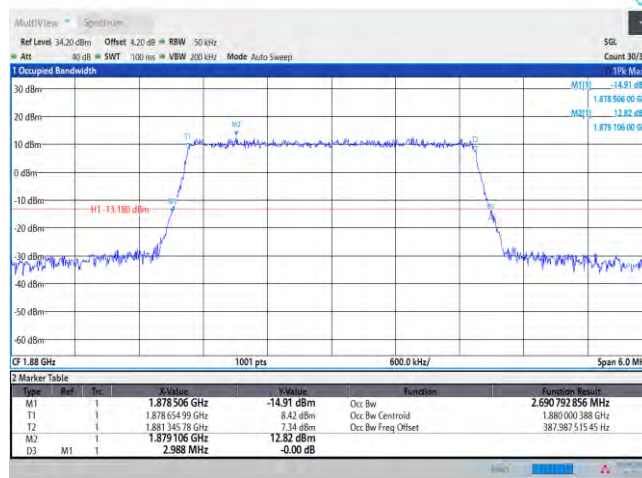


Band2-3MHz-64QAM-18615-15RB#0



21:32:46 30.09.2022

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



21:33:53 30.09.2022

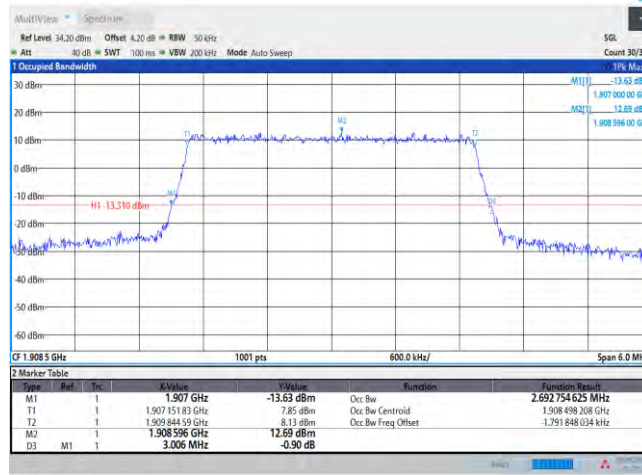


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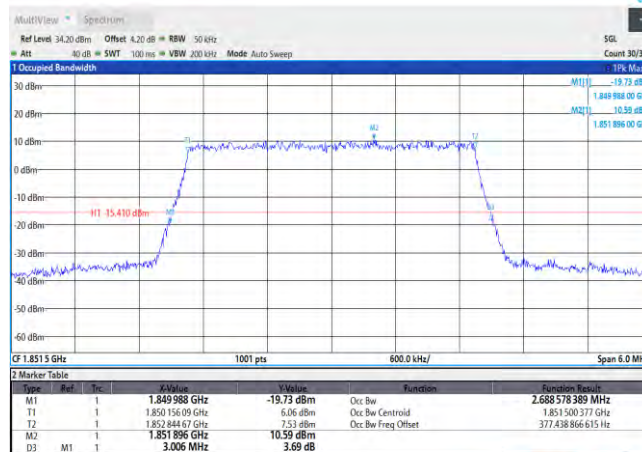
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Band2-3MHz-64QAM-19185-15RB#0



21:34:59 30.09.2022

Band2-3MHz-256QAM-18615-15RB#0



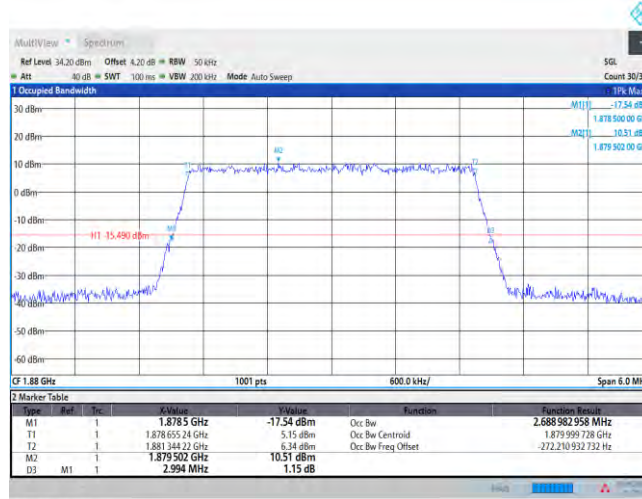
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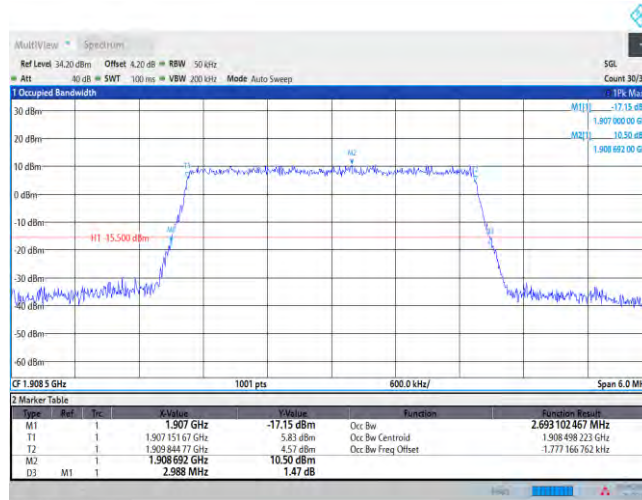
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Band2-3MHz-256QAM-18900-15RB#0



21:34:09 30.09.2022

Band2-3MHz-256QAM-19185-15RB#0



21:35:16 30.09.2022

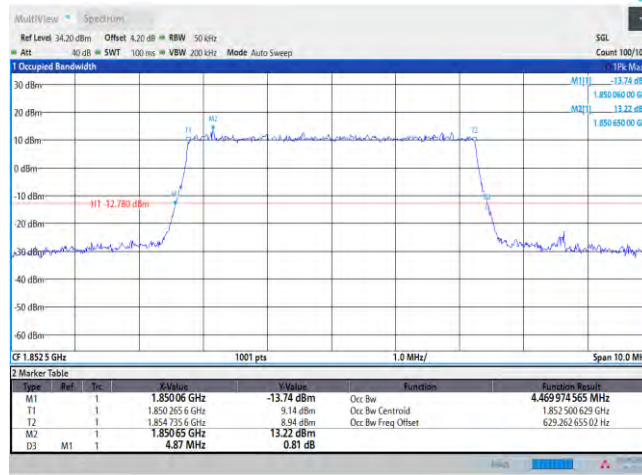


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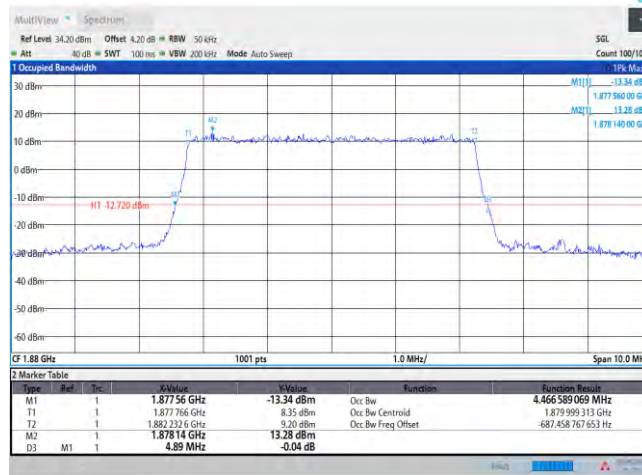
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Band2-5MHz-QPSK-18625-25RB#0



21:35:52 30.09.2022

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



21:37:26 30.09.2022

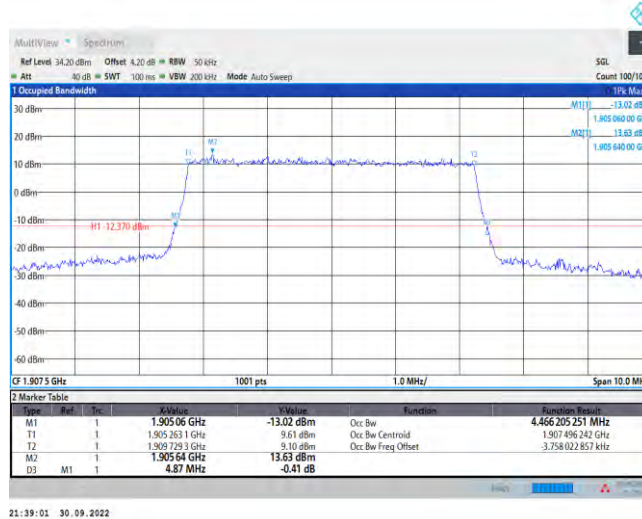


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Band2-5MHz-QPSK-19175-25RB#0



21:39:01 30.09.2022

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



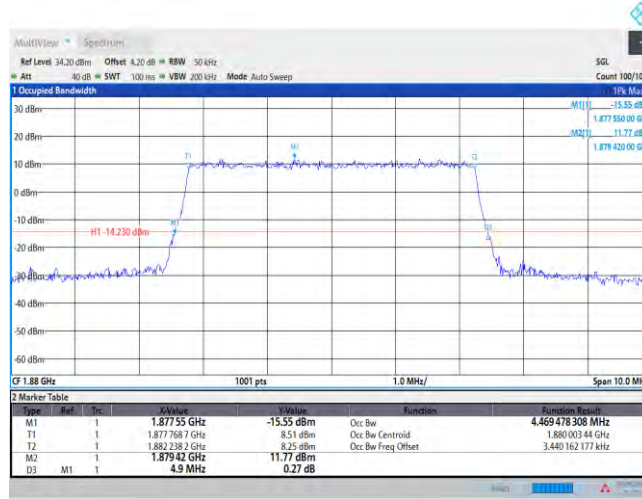
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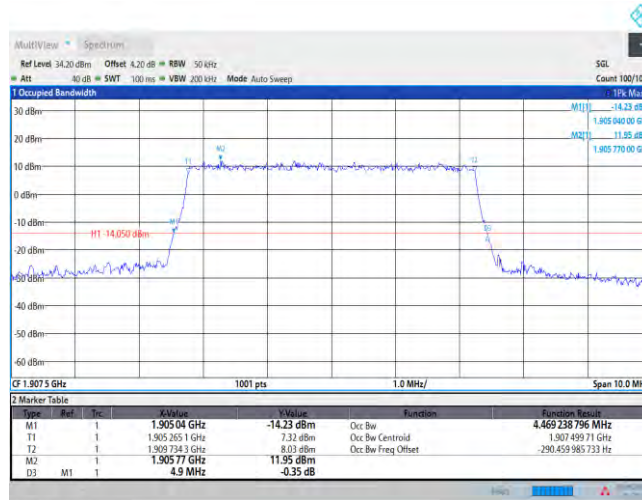
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Band2-5MHz-16QAM-18900-25RB#0



21:37:50 30.09.2022

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



21:39:25 30.09.2022

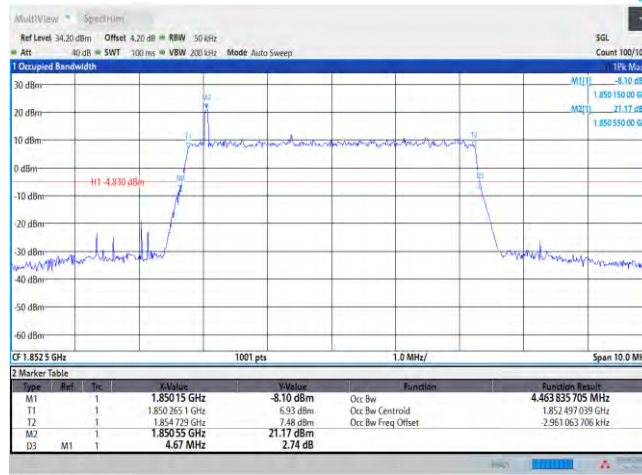


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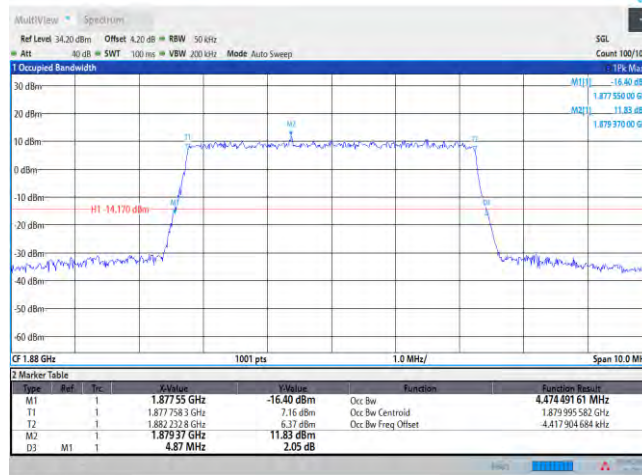
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Band2-5MHz-64QAM-18625-25RB#0



21:36:38 30.09.2022

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



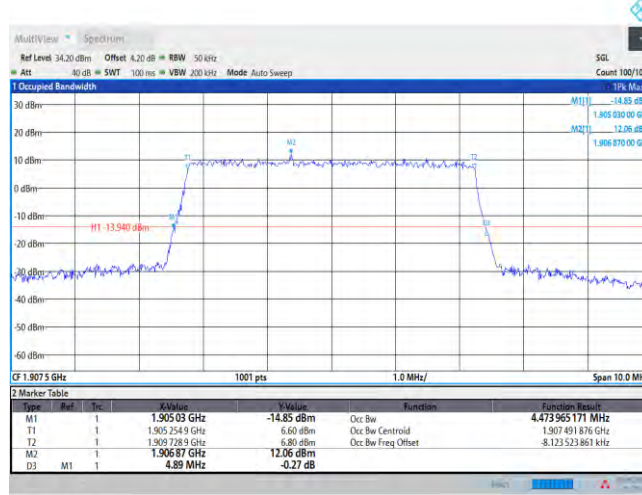
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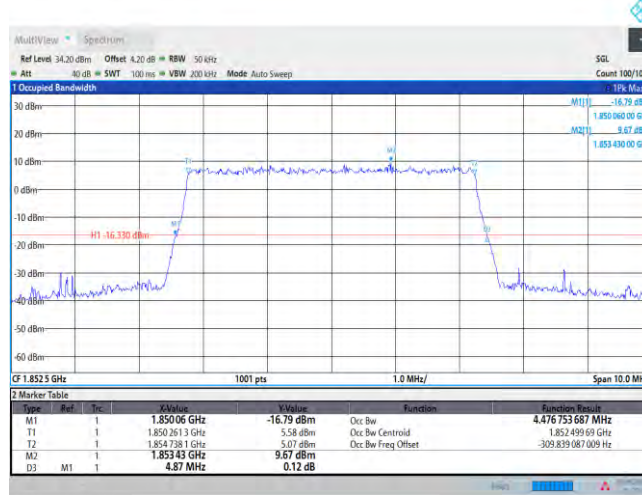
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Band2-5MHz-64QAM-19175-25RB#0



21:39:48 30.09.2022

Band2-5MHz-256QAM-18625-25RB#0



21:37:01 30.09.2022



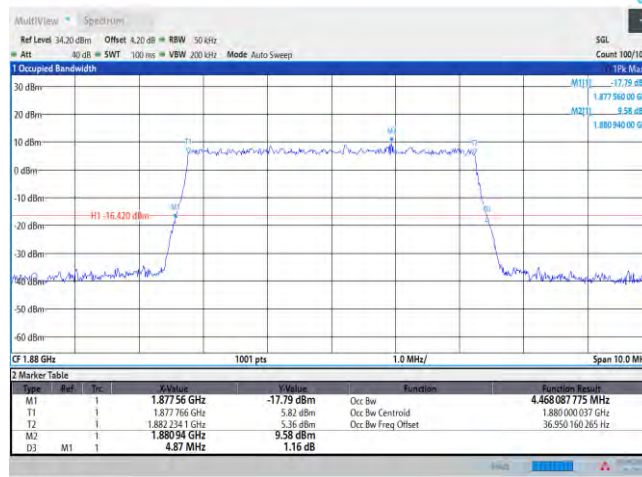
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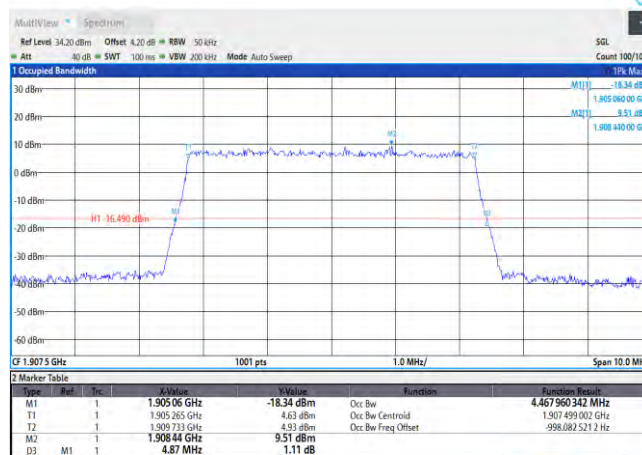


Band2-5MHz-256QAM-18900-25RB#0



21:38:36 30.09.2022

Band2-5MHz-256QAM-19175-25RB#0



21:40:11 30.09.2022

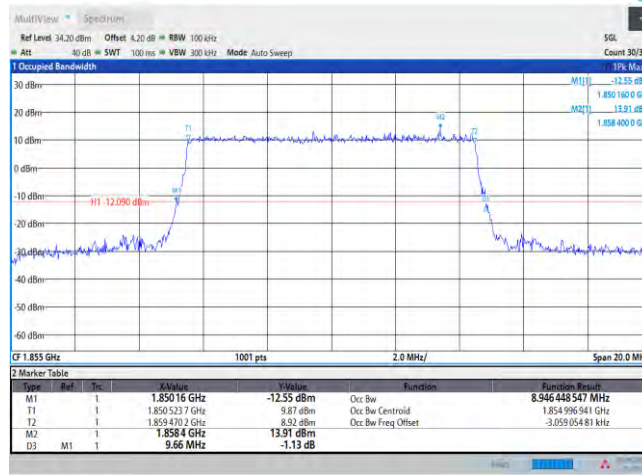


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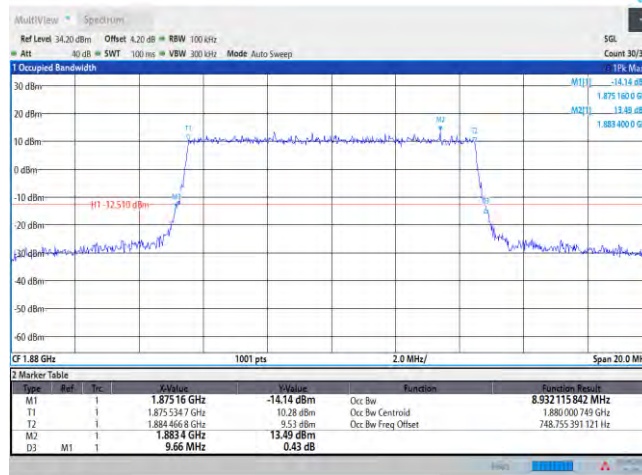
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Band2-10MHz-QPSK-18650-50RB#0



21:40:40 30.09.2022

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



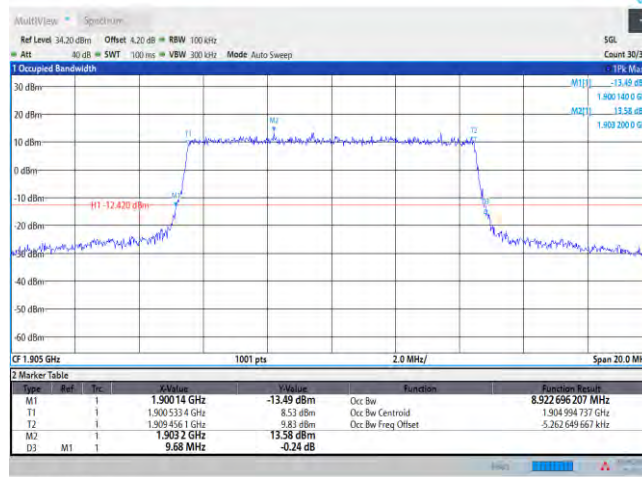
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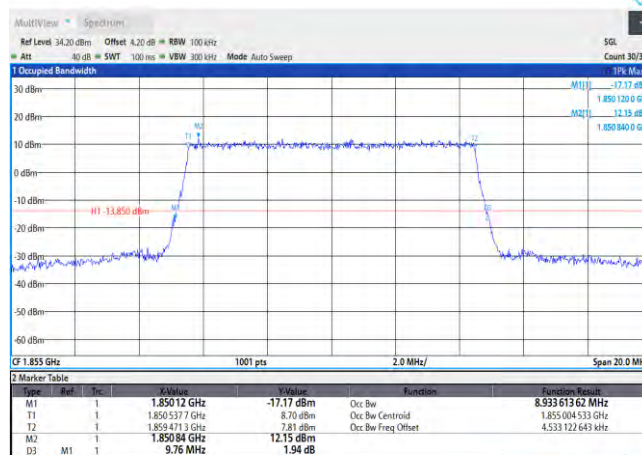
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Band2-10MHz-QPSK-19150-50RB#0



21:42:54 30.09.2022

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



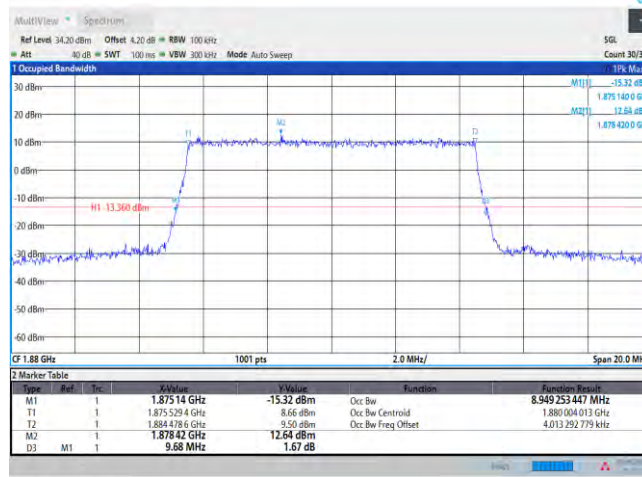
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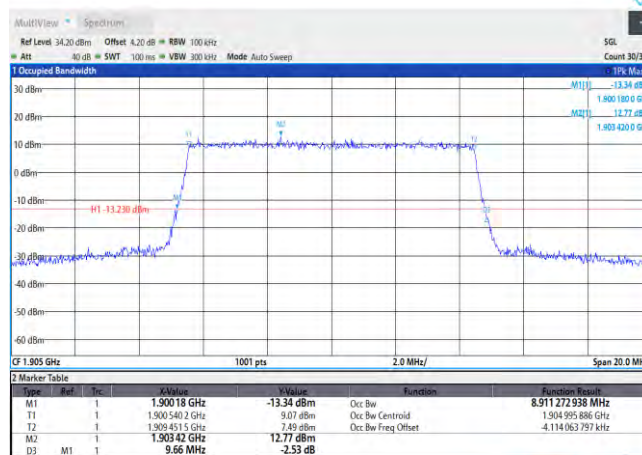
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Band2-10MHz-16QAM-18900-50RB#0



21:42:03 30.09.2022

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



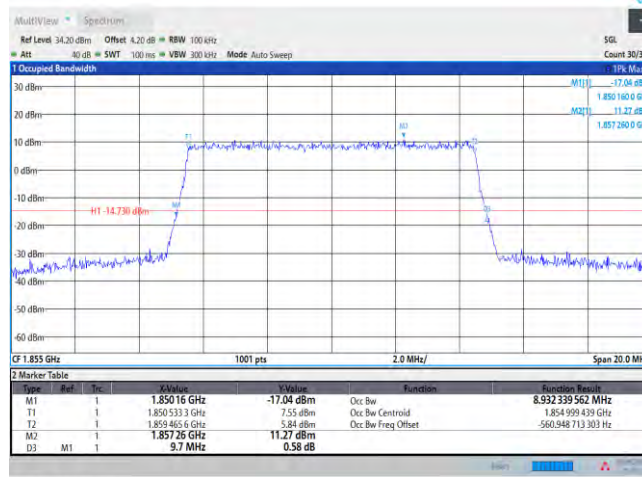
21:43:10 30.09.2022



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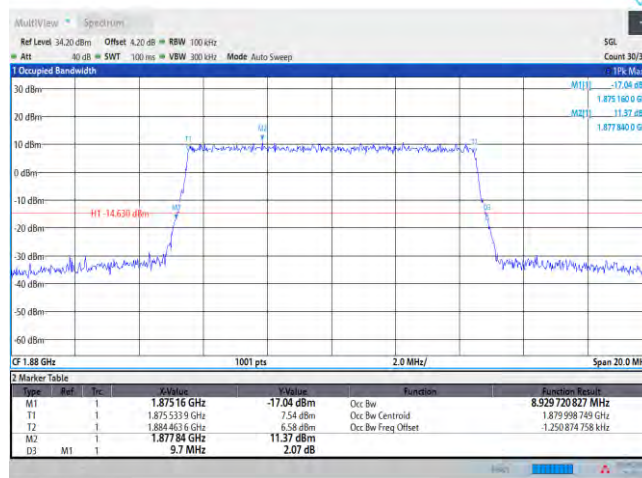
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Band2-10MHz-64QAM-18650-50RB#0



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



21:42:19 30.09.2022

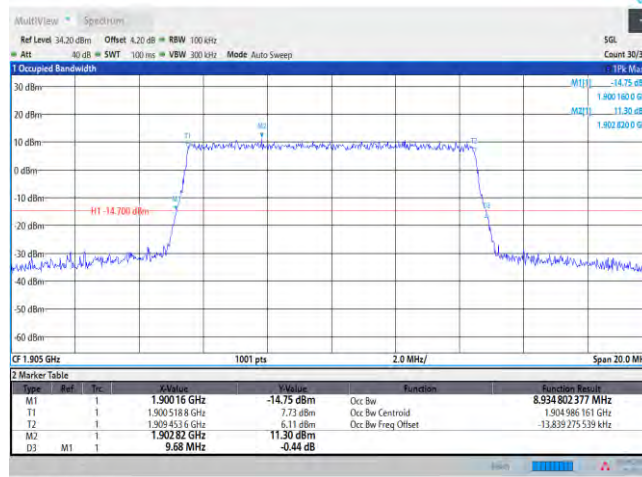


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Band2-10MHz-64QAM-19150-50RB#0



21:43:26 30.09.2022

Band2-10MHz-256QAM-18650-50RB#0



21:41:29 30.09.2022

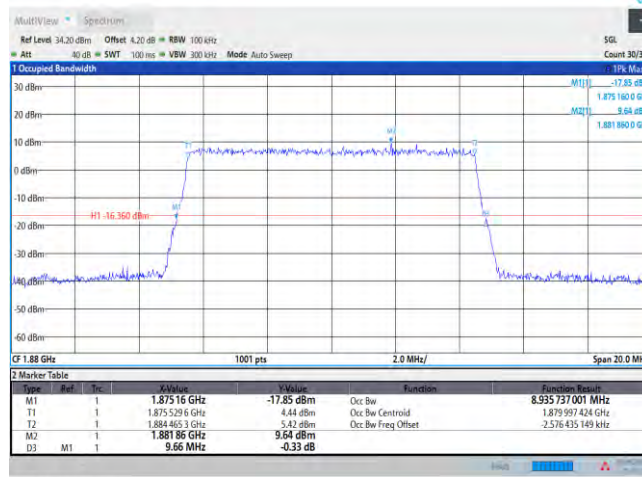


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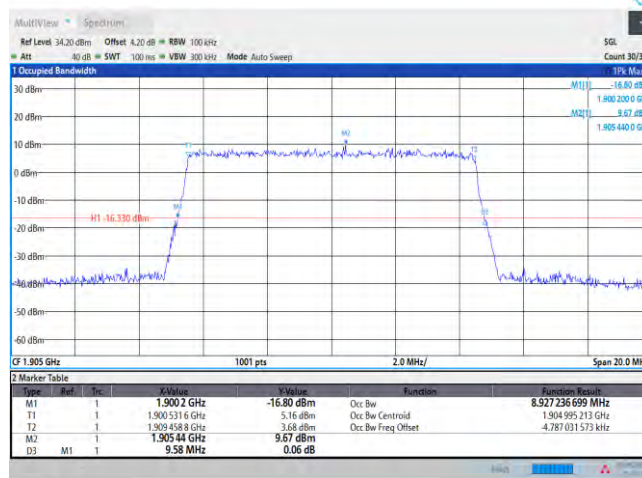
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Band2-10MHz-256QAM-18900-50RB#0



21:42:35 30.09.2022

Band2-10MHz-256QAM-19150-50RB#0



21:43:42 30.09.2022



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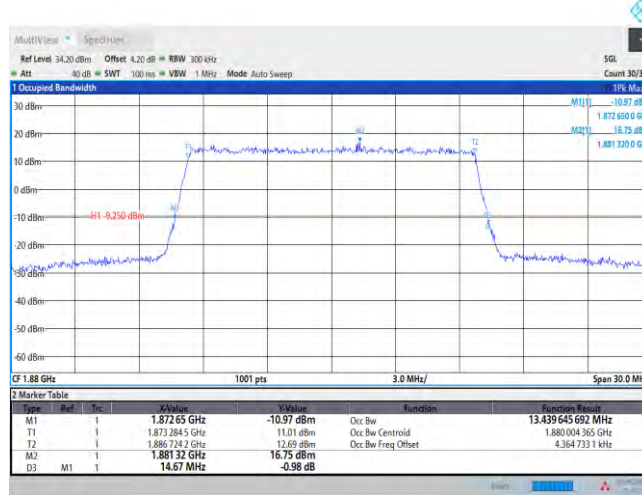
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Band2-15MHz-QPSK-18675-75RB#0



21:44:11 30.09.2022

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



21:45:18 30.09.2022

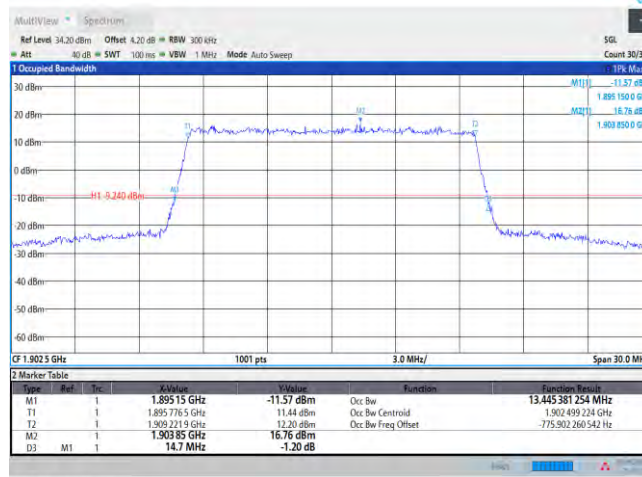


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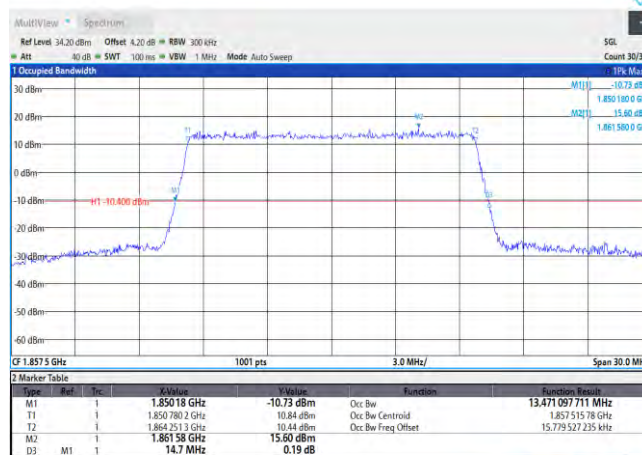


Band2-15MHz-QPSK-19125-75RB#0



21:46:25 30.09.2022

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



21:44:27 30.09.2022



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21:45:34 30.09.2022

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



21:46:41 30.09.2022

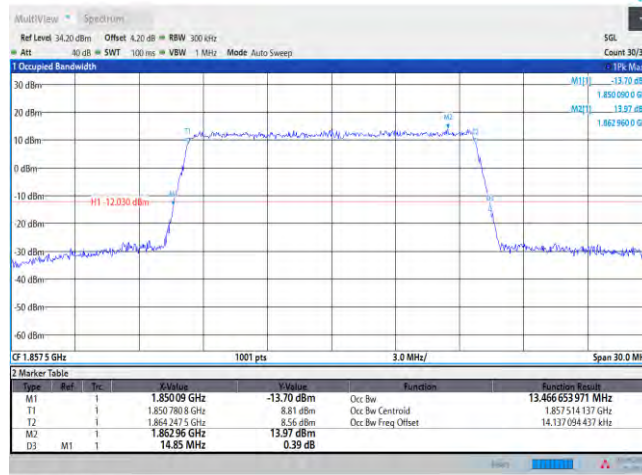


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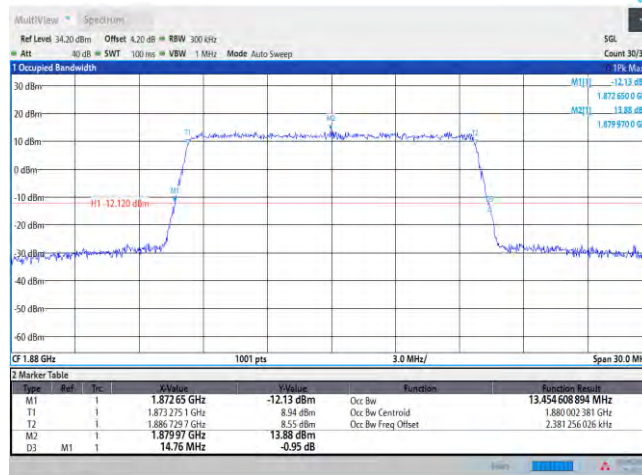
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Band2-15MHz-64QAM-18675-75RB#0



21:44:44 30.09.2022

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



21:45:50 30.09.2022

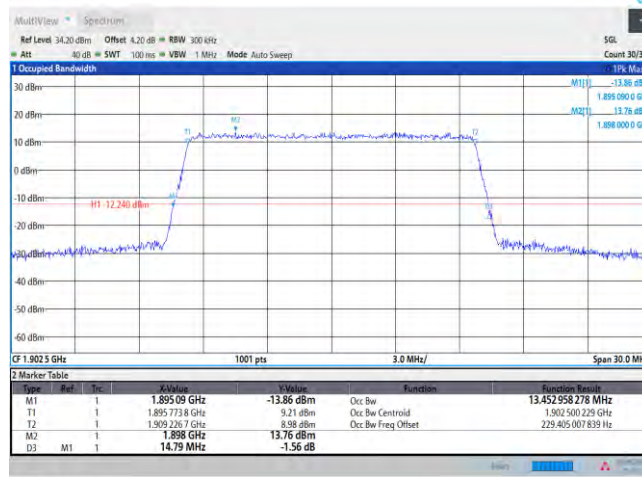


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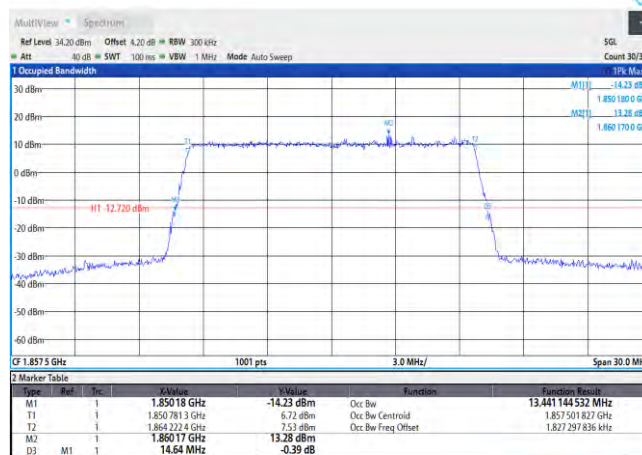
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Band2-15MHz-64QAM-19125-75RB#0



21:46:57 30.09.2022

Band2-15MHz-256QAM-18675-75RB#0



21:45:00 30.09.2022



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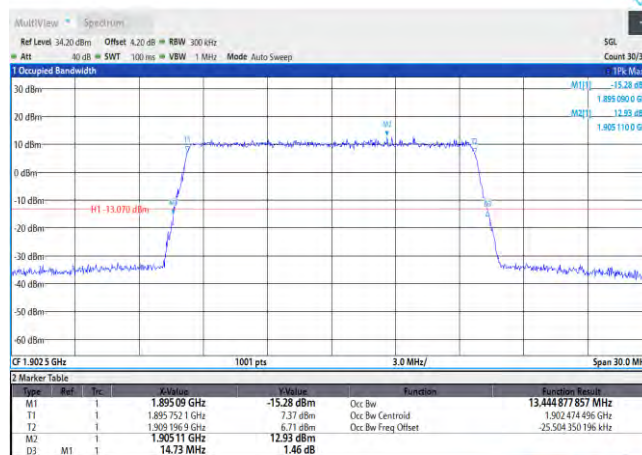
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Band2-15MHz-256QAM-18900-75RB#0



21:46:07 30.09.2022

Band2-15MHz-256QAM-19125-75RB#0



21:47:13 30.09.2022



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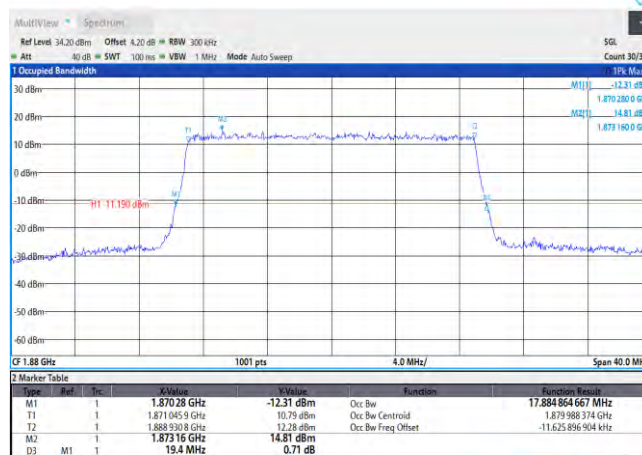
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Band2-20MHz-QPSK-18700-100RB#0



21:47:43 30.09.2022

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



21:48:49 30.09.2022



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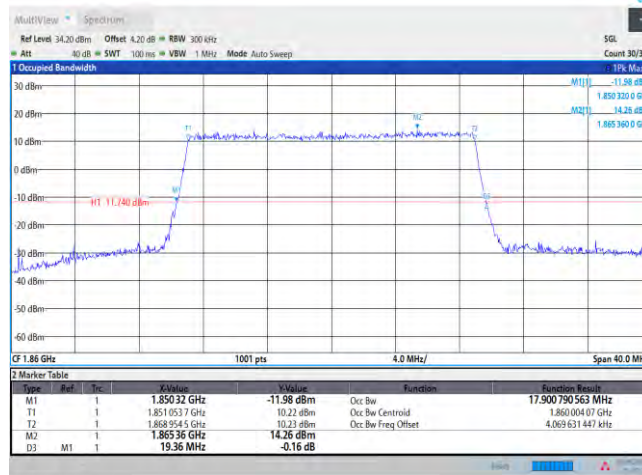
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Band2-20MHz-QPSK-19100-100RB#0



21:49:56 30.09.2022

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



21:47:59 30.09.2022



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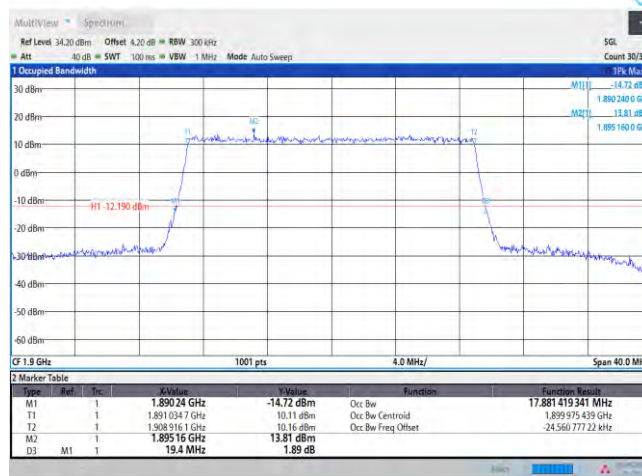
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Band2-20MHz-16QAM-18900-100RB#0



21:49:05 30.09.2022

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



21:50:12 30.09.2022



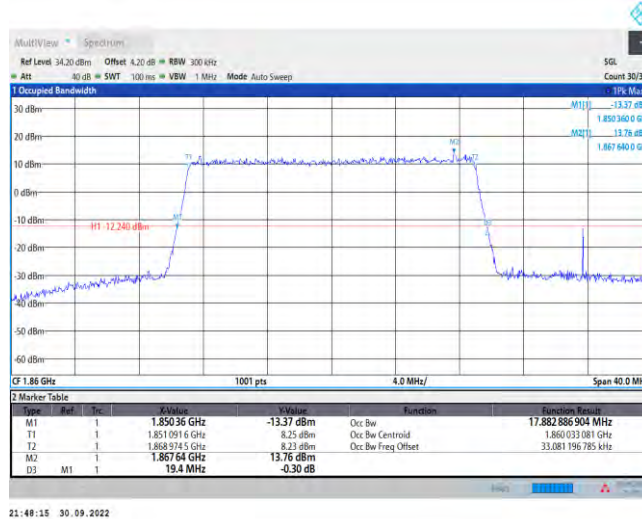
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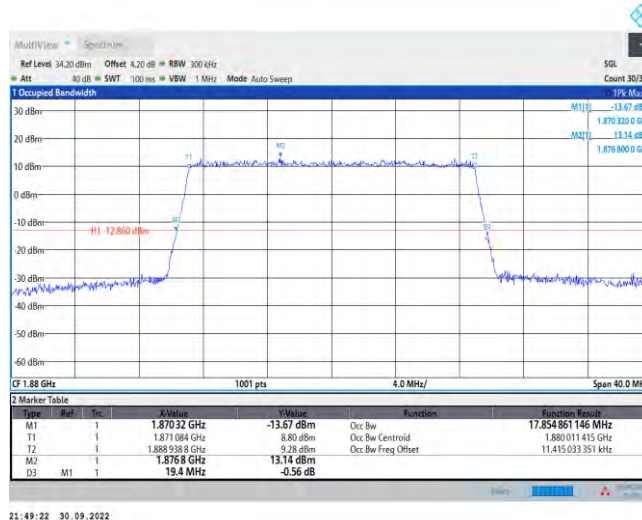


Band2-20MHz-64QAM-18700-100RB#0



21:48:15 30.09.2022

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



21:49:22 30.09.2022



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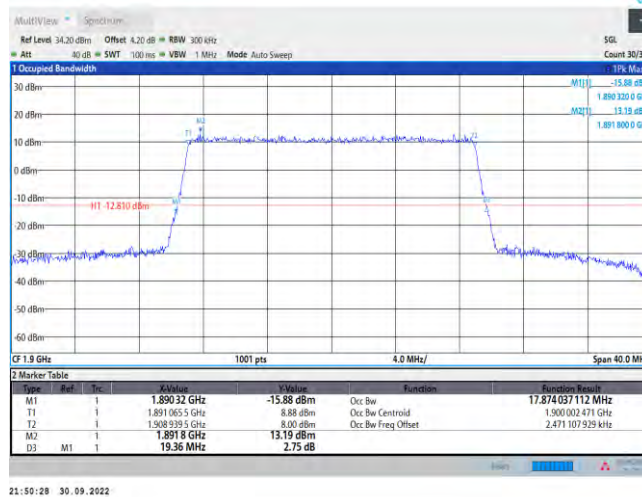
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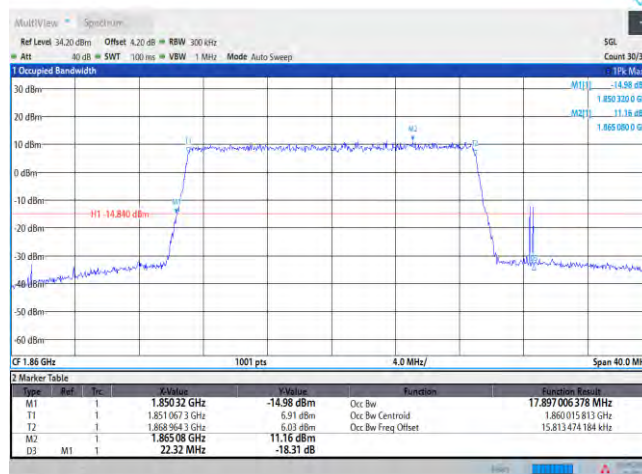
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Band2-20MHz-64QAM-19100-100RB#0



21:50:28 30.09.2022

Band2-20MHz-256QAM-18700-100RB#0



21:48:31 30.09.2022



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Band2-20MHz-256QAM-18900-100RB#0



21:49:38 30.09.2022

Band2-20MHz-256QAM-19100-100RB#0



21:50:44 30.09.2022



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## Band Edge

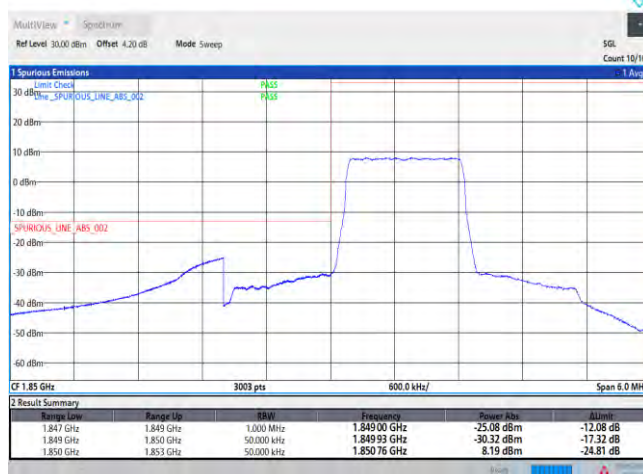
## Test Graphs

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



21:51:36 30.09.2022

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



21:52:09 30.09.2022

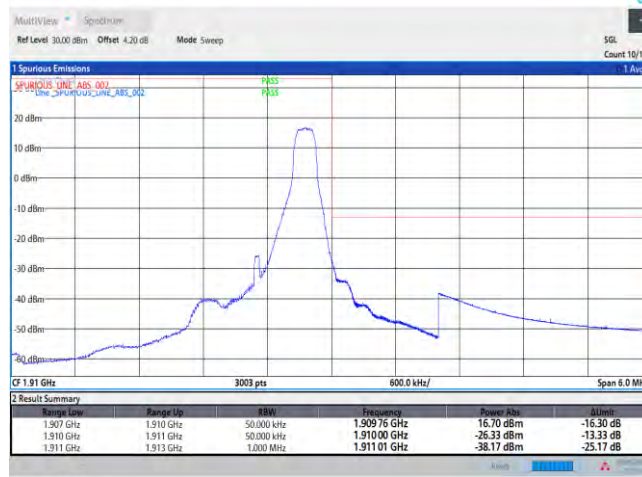


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Band2-1.4MHz-QPSK-19193-1RB#5



21:53:49 30.09.2022

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



21:54:22 30.09.2022



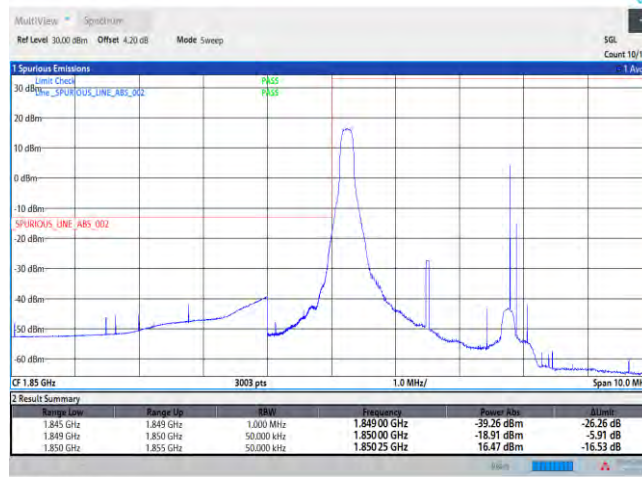
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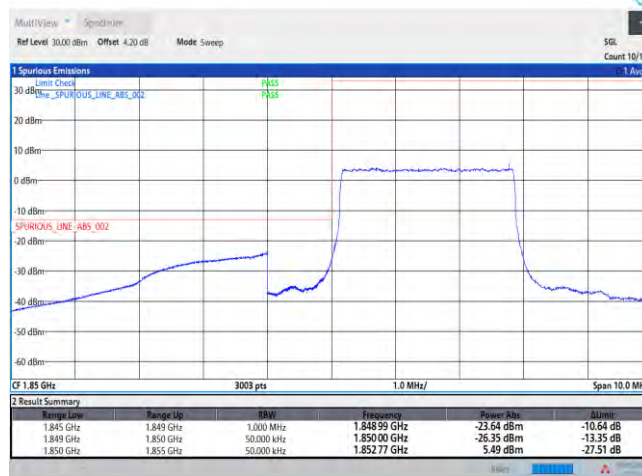
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Band2-3MHz-QPSK-18615-1RB#0



21:55:14 30.09.2022

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



21:55:46 30.09.2022

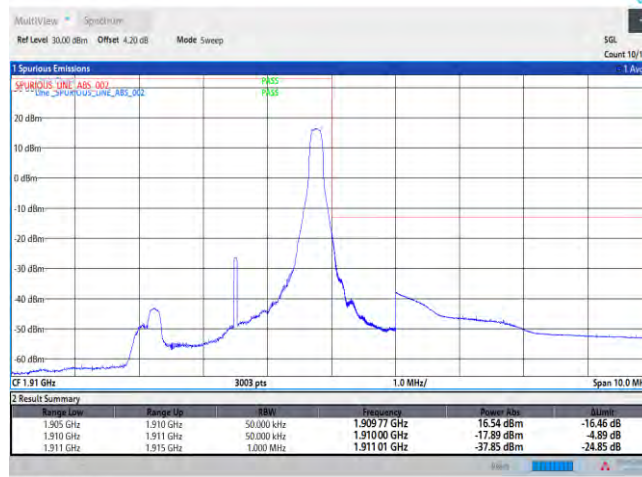


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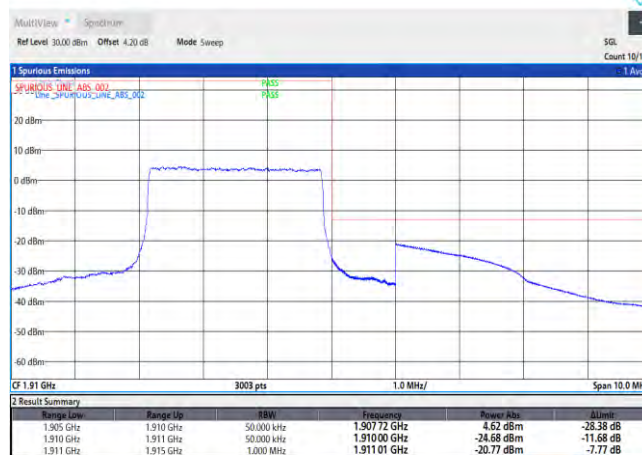
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Band2-3MHz-QPSK-19185-1RB#14



21:56:58 30.09.2022

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

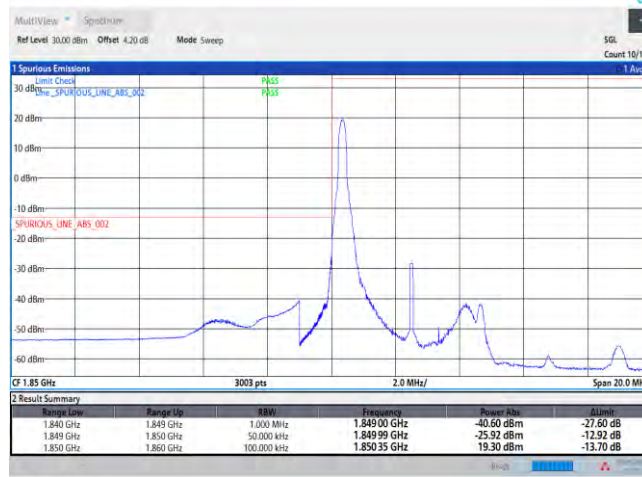


21:57:31 30.09.2022



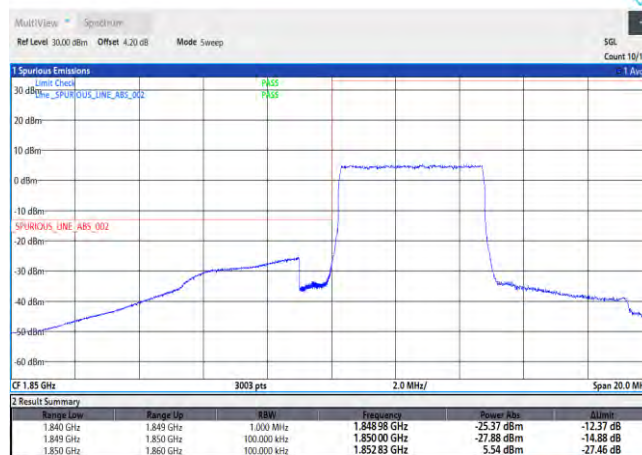
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Band2-5MHz-QPSK-18625-1RB#0



21:58:17 30.09.2022

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



21:58:40 30.09.2022



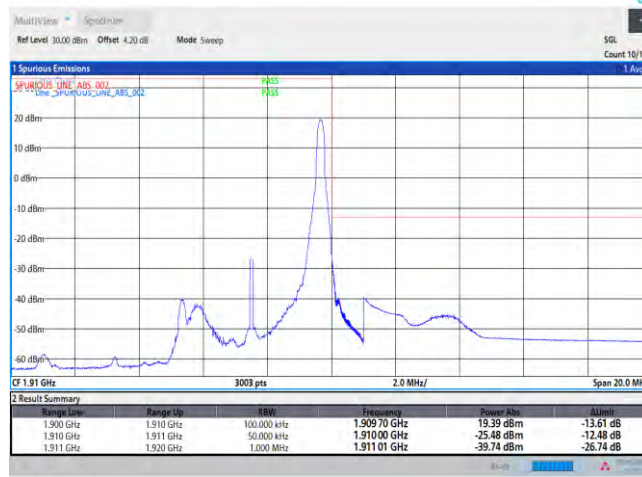
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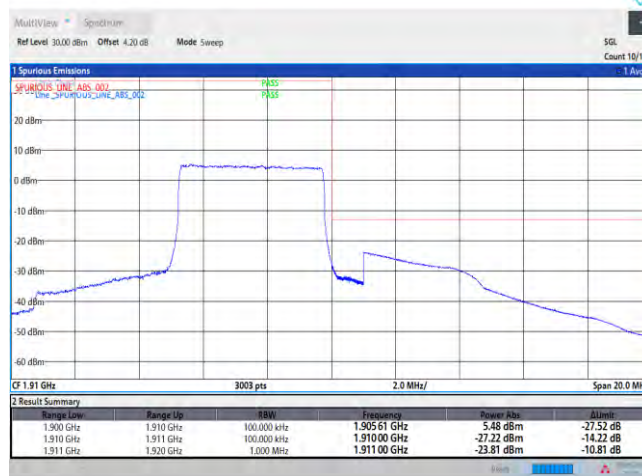


Band2-5MHz-QPSK-19175-1RB#24



22:01:13 30.09.2022

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



22:01:36 30.09.2022

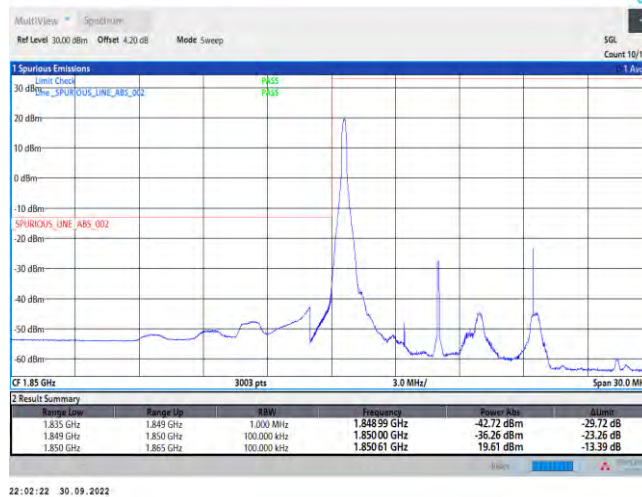


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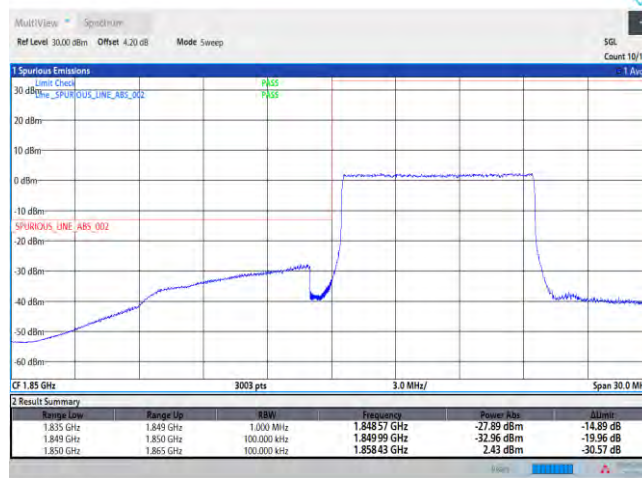
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Band2-10MHz-QPSK-18650-1RB#0



22:02:22 30.09.2022

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

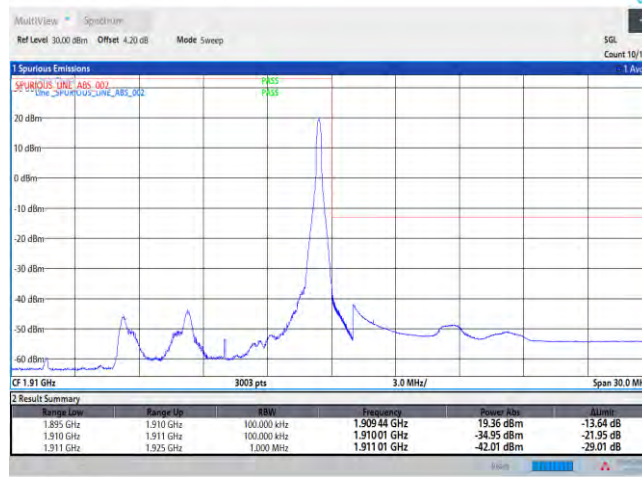


22:02:44 30.09.2022



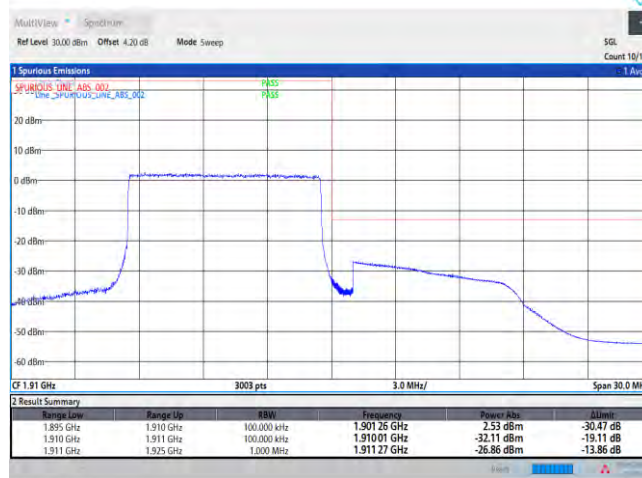
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Band2-10MHz-QPSK-19150-1RB#49



22:03:41 30.09.2022

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



22:04:04 30.09.2022



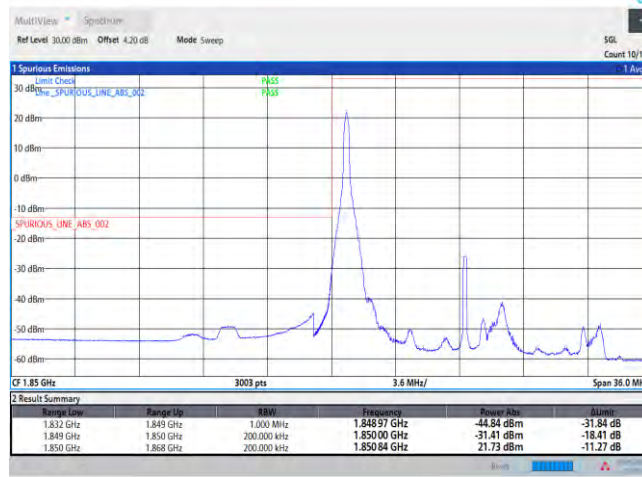
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Band2-15MHz-QPSK-18675-1RB#0



22:04:50 30.09.2022

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



22:05:12 30.09.2022



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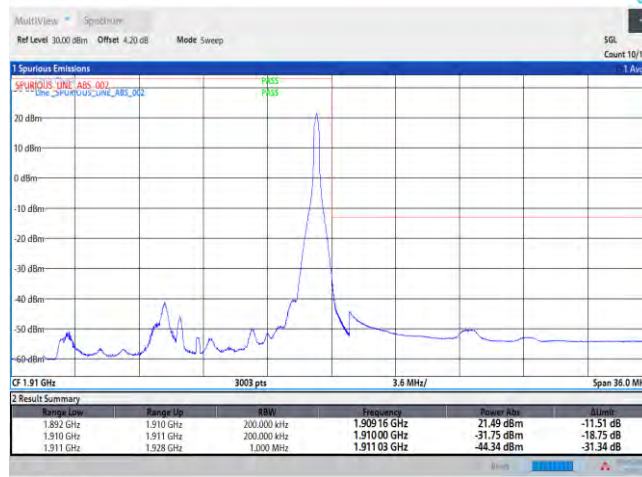
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Band2-15MHz-QPSK-19125-1RB#74



22:06:13 30.09.2022

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



22:06:36 30.09.2022



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



22:07:21 30.09.2022

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



22:07:45 30.09.2022



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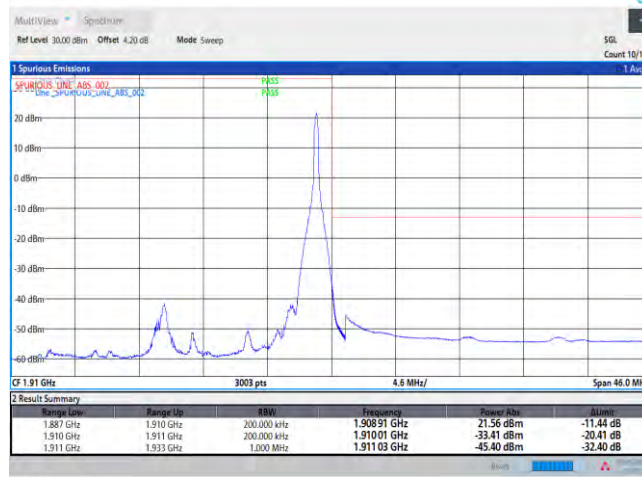
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Band2-20MHz-QPSK-19100-1RB#99



22:08:30 30.09.2022

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



22:08:52 30.09.2022



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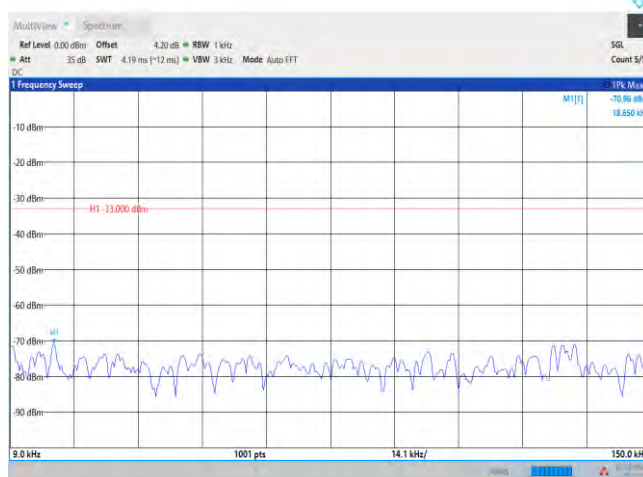
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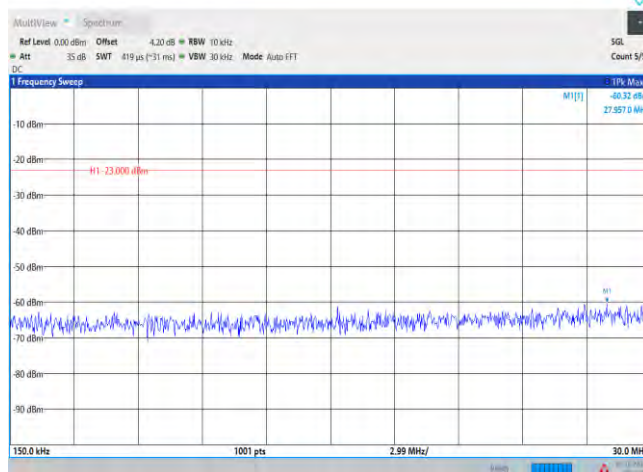
### Test Graphs

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



13:16:36 01.10.2022

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



13:16:40 01.10.2022



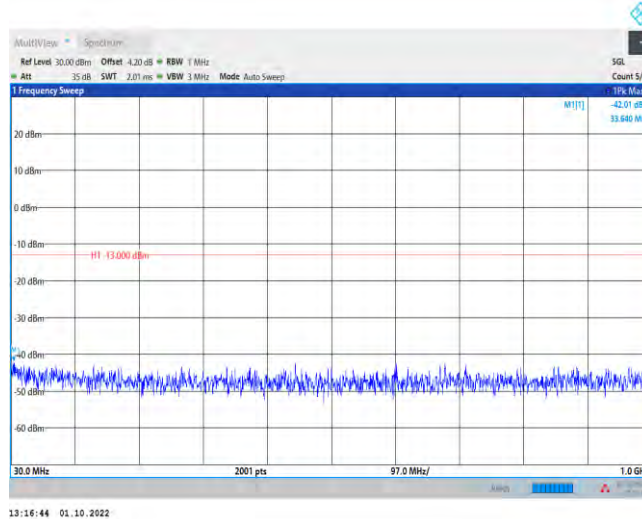
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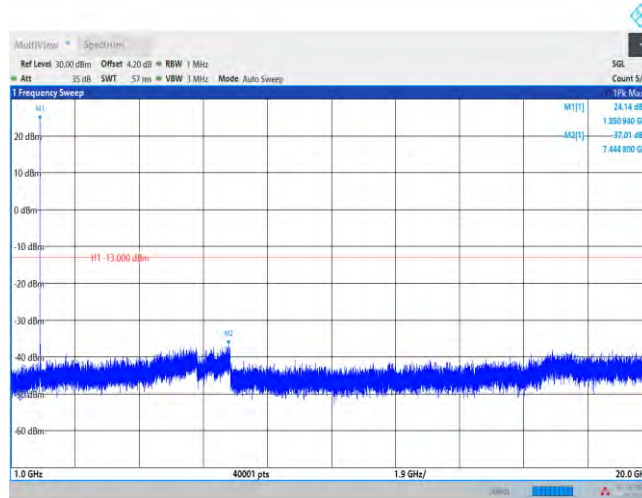


Band2-20MHz-QPSK-18700-1RB#0-Range3:30~1000MHz



13:16:44 01.10.2022

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



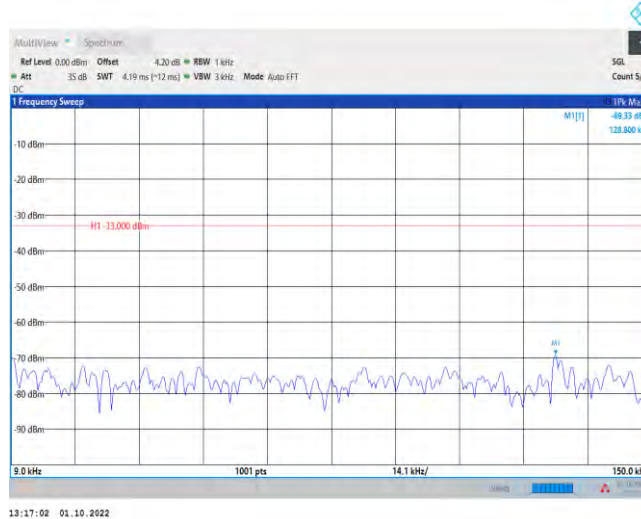
13:16:48 01.10.2022



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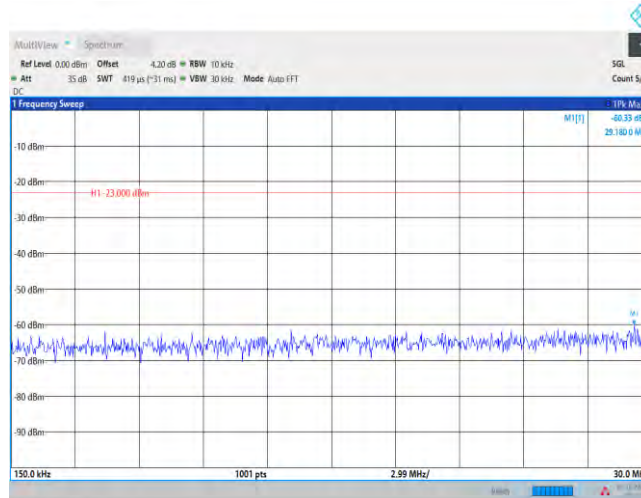
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Band2-20MHz-QPSK-18900-1RB#0-Range1:0.009~0.15MHz



13:17:02 01.10.2022

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



13:17:06 01.10.2022

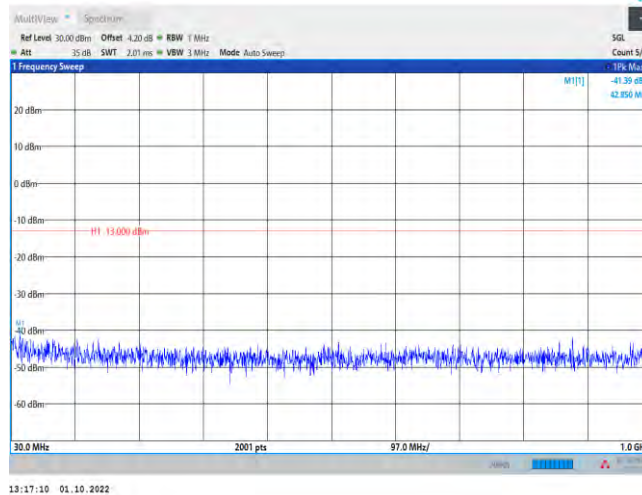


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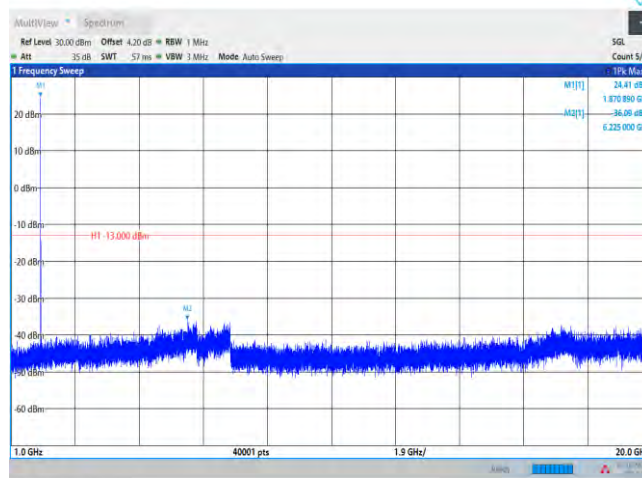
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Band2-20MHz-QPSK-18900-1RB#0-Range3:30~1000MHz



13:17:10 01.10.2022

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



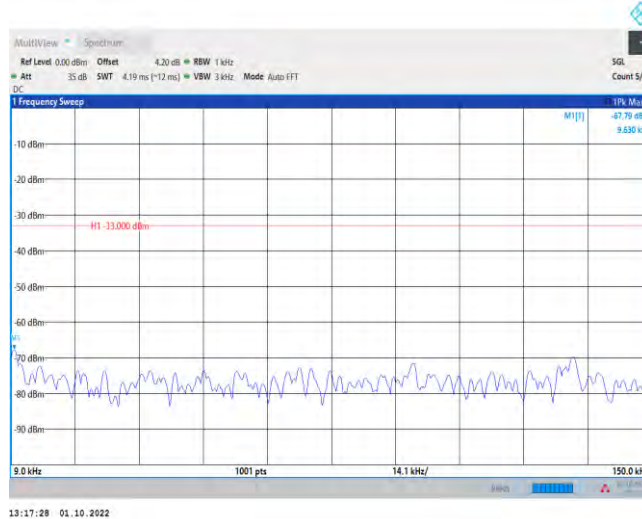
13:17:14 01.10.2022



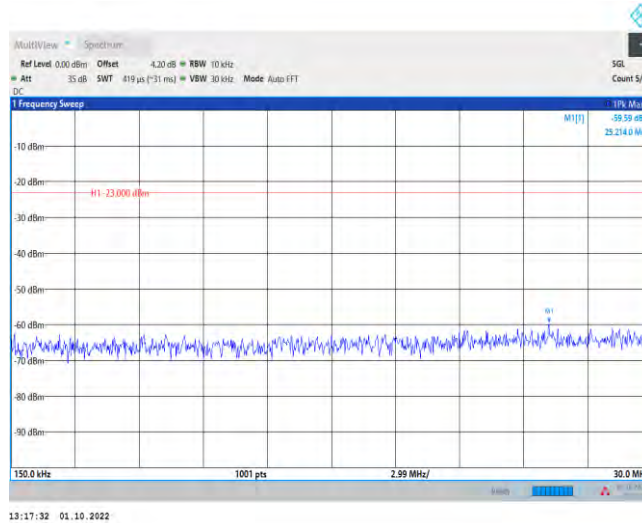
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Band2-20MHz-QPSK-19100-1RB#0-Range1:0.009~0.15MHz



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

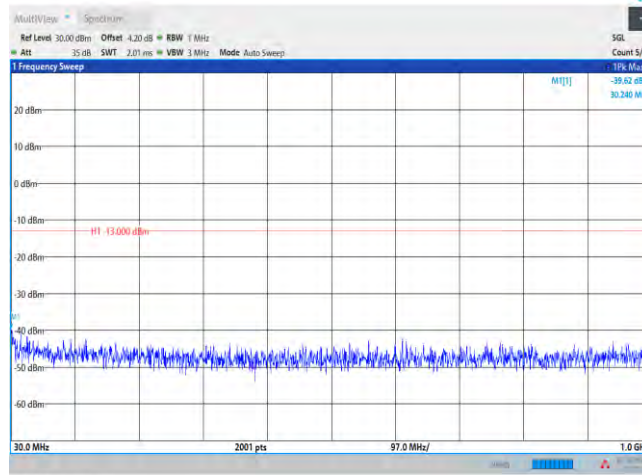


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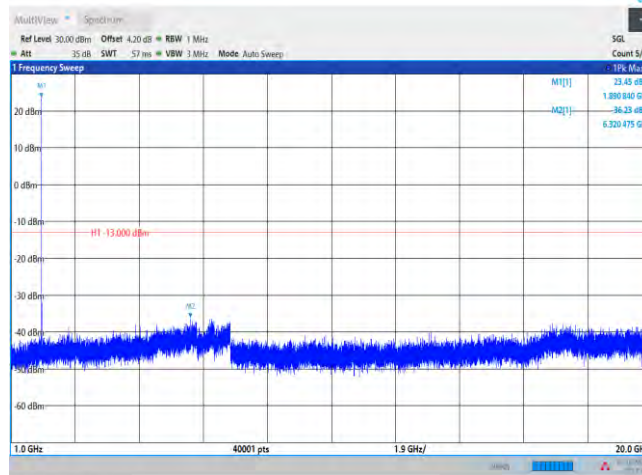
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Band2-20MHz-QPSK-19100-1RB#0-Range3:30~1000MHz



13:17:36 01.10.2022

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



13:17:41 01.10.2022



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## Field Strength of Spurious Radiation

Test Band = LTE Band 2 ANT0\_ 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	48.59	-45.69	29.89	-62.48	-13.00	49.48	162	47	Horizontal
2	5553.27	49.16	-43.87	32.77	-57.20	-13.00	44.20	214	132	Horizontal
3	7404.36	46.57	-41.96	36.44	-54.21	-13.00	41.21	223	212	Horizontal
4	9255.45	44.62	-38.39	38.57	-50.46	-13.00	37.46	178	212	Horizontal
5	11106.54	39.56	-35.35	39.49	-51.56	-13.00	38.56	192	357	Horizontal
6	12957.63	39.32	-34.89	39.56	-51.28	-13.00	38.28	156	285	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	3702.18	47.54	-45.69	29.89	-63.53	-13.00	50.53	142	183	Vertical
2	5553.27	49.70	-43.87	32.77	-56.66	-13.00	43.66	139	194	Vertical
3	7404.36	46.27	-41.96	36.44	-54.51	-13.00	41.51	231	261	Vertical
4	9255.45	43.89	-38.39	38.57	-51.19	-13.00	38.19	251	221	Vertical
5	11106.54	38.60	-35.35	39.49	-52.52	-13.00	39.52	163	345	Vertical
6	12957.63	39.70	-34.89	39.56	-50.90	-13.00	37.90	175	309	Vertical



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Test Band = LTE Band 2 ANT0\_ 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	49.37	-45.59	29.98	-61.49	-13.00	48.49	163	153	Horizontal
2	5613.27	48.83	-43.84	32.96	-57.31	-13.00	44.31	178	57	Horizontal
3	7484.36	46.75	-41.66	36.49	-53.68	-13.00	40.68	192	0	Horizontal
4	9355.45	44.19	-38.26	38.56	-50.77	-13.00	37.77	158	81	Horizontal
5	11226.54	40.24	-35.07	39.37	-50.71	-13.00	37.71	164	178	Horizontal
6	13097.63	40.34	-34.47	39.66	-49.73	-13.00	36.73	218	227	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	47.53	-45.59	29.98	-63.33	-13.00	50.33	196	204	Vertical
2	5613.27	48.89	-43.84	32.96	-57.25	-13.00	44.25	214	0	Vertical
3	7484.36	45.84	-41.66	36.49	-54.59	-13.00	41.59	275	168	Vertical
4	9355.45	43.65	-38.26	38.56	-51.31	-13.00	38.31	165	12	Vertical
5	11226.54	41.25	-35.07	39.37	-49.70	-13.00	36.70	183	216	Vertical
6	13097.63	39.89	-34.47	39.66	-50.18	-13.00	37.18	227	12	Vertical



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Test Band = LTE Band 2 ANT0\_ 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	48.81	-45.48	30.08	-61.85	-13.00	48.85	154	0	Horizontal
2	5673.27	48.83	-43.77	33.16	-57.05	-13.00	44.05	178	357	Horizontal
3	7564.36	45.72	-41.38	36.63	-54.29	-13.00	41.29	156	43	Horizontal
4	9455.45	42.45	-38.15	38.55	-52.41	-13.00	39.41	216	357	Horizontal
5	11346.54	38.90	-35.43	39.25	-52.54	-13.00	39.54	228	116	Horizontal
6	13237.63	40.73	-34.98	39.74	-49.76	-13.00	36.76	186	0	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	48.19	-45.48	30.08	-62.47	-13.00	49.47	213	1	Vertical
2	5673.27	48.99	-43.77	33.16	-56.89	-13.00	43.89	146	1	Vertical
3	7564.36	46.04	-41.38	36.63	-53.97	-13.00	40.97	221	177	Vertical
4	9455.45	42.77	-38.15	38.55	-52.09	-13.00	39.09	179	0	Vertical
5	11346.54	40.17	-35.43	39.25	-51.27	-13.00	38.27	263	152	Vertical
6	13237.63	40.39	-34.98	39.74	-50.10	-13.00	37.10	225	200	Vertical



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Test Band = LTE Band 2 ANT1\_ 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	48.41	-45.69	29.89	-62.66	-13.00	49.66	163	0	Horizontal
2	5553.27	48.67	-43.87	32.77	-57.69	-13.00	44.69	218	357	Horizontal
3	7404.36	45.59	-41.96	36.44	-55.19	-13.00	42.19	229	190	Horizontal
4	9255.45	44.68	-38.39	38.57	-50.40	-13.00	37.40	168	0	Horizontal
5	11106.54	39.17	-35.35	39.49	-51.95	-13.00	38.95	178	202	Horizontal
6	12957.63	39.48	-34.89	39.56	-51.12	-13.00	38.12	271	21	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	3702.18	48.06	-45.69	29.89	-63.01	-13.00	50.01	223	92	Vertical
2	5553.27	50.15	-43.87	32.77	-56.21	-13.00	43.21	163	238	Vertical
3	7404.36	47.81	-41.96	36.44	-52.97	-13.00	39.97	189	1	Vertical
4	9255.45	44.50	-38.39	38.57	-50.58	-13.00	37.58	254	4	Vertical
5	11106.54	39.07	-35.35	39.49	-52.05	-13.00	39.05	262	311	Vertical
6	12957.63	39.19	-34.89	39.56	-51.41	-13.00	38.41	173	248	Vertical



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Test Band = LTE Band 2 ANT1\_ 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	48.23	-45.59	29.98	-62.63	-13.00	49.63	163	142	Horizontal
2	5613.27	49.93	-43.84	32.96	-56.21	-13.00	43.21	179	213	Horizontal
3	7484.36	45.42	-41.66	36.49	-55.01	-13.00	42.01	241	129	Horizontal
4	9355.45	44.84	-38.26	38.56	-50.12	-13.00	37.12	225	322	Horizontal
5	11226.54	40.51	-35.07	39.37	-50.44	-13.00	37.44	163	262	Horizontal
6	13097.63	40.48	-34.47	39.66	-49.59	-13.00	36.59	178	203	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	47.37	-45.59	29.98	-63.49	-13.00	50.49	156	188	Vertical
2	5613.27	49.21	-43.84	32.96	-56.93	-13.00	43.93	214	165	Vertical
3	7484.36	45.96	-41.66	36.49	-54.47	-13.00	41.47	226	165	Vertical
4	9355.45	43.52	-38.26	38.56	-51.44	-13.00	38.44	193	357	Vertical
5	11226.54	39.51	-35.07	39.37	-51.44	-13.00	38.44	247	65	Vertical
6	13097.63	39.69	-34.47	39.66	-50.38	-13.00	37.38	153	140	Vertical



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Test Band = LTE Band 2 ANT1\_ 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	49.25	-45.48	30.08	-61.41	-13.00	48.41	163	334	Horizontal
2	5673.27	48.78	-43.77	33.16	-57.10	-13.00	44.10	214	310	Horizontal
3	7564.36	46.55	-41.38	36.63	-53.46	-13.00	40.46	228	225	Horizontal
4	9455.45	43.34	-38.15	38.55	-51.52	-13.00	38.52	159	214	Horizontal
5	11346.54	38.53	-35.43	39.25	-52.91	-13.00	39.91	281	10	Horizontal
6	13237.63	39.93	-34.98	39.74	-50.56	-13.00	37.56	267	128	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	49.22	-45.48	30.08	-61.44	-13.00	48.44	163	57	Vertical
2	5673.27	49.21	-43.77	33.16	-56.67	-13.00	43.67	214	92	Vertical
3	7564.36	46.66	-41.38	36.63	-53.35	-13.00	40.35	228	286	Vertical
4	9455.45	42.35	-38.15	38.55	-52.51	-13.00	39.51	197	44	Vertical
5	11346.54	38.38	-35.43	39.25	-53.06	-13.00	40.06	142	129	Vertical
6	13237.63	41.41	-34.98	39.74	-49.08	-13.00	36.08	159	286	Vertical



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Test Band = LTE Band 2 ANT2\_ 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	47.56	-45.69	29.89	-63.51	-13.00	50.51	163	162	Horizontal
2	5553.27	49.03	-43.87	32.77	-57.33	-13.00	44.33	214	114	Horizontal
3	7404.36	45.92	-41.96	36.44	-54.86	-13.00	41.86	228	1	Horizontal
4	9255.45	44.06	-38.39	38.57	-51.02	-13.00	38.02	163	285	Horizontal
5	11106.54	40.04	-35.35	39.49	-51.08	-13.00	38.08	156	224	Horizontal
6	12957.63	39.85	-34.89	39.56	-50.75	-13.00	37.75	197	345	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	3702.18	47.90	-45.69	29.89	-63.17	-13.00	50.17	221	200	Vertical
2	5553.27	48.55	-43.87	32.77	-57.81	-13.00	44.81	156	65	Vertical
3	7404.36	47.42	-41.96	36.44	-53.36	-13.00	40.36	137	357	Vertical
4	9255.45	44.65	-38.39	38.57	-50.43	-13.00	37.43	186	175	Vertical
5	11106.54	39.49	-35.35	39.49	-51.63	-13.00	38.63	194	40	Vertical
6	12957.63	39.40	-34.89	39.56	-51.20	-13.00	38.20	225	162	Vertical



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Test Band = LTE Band 2 ANT2\_ 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	47.41	-45.59	29.98	-63.45	-13.00	50.45	169	212	Horizontal
2	5613.27	49.32	-43.84	32.96	-56.82	-13.00	43.82	214	68	Horizontal
3	7484.36	45.18	-41.66	36.49	-55.25	-13.00	42.25	256	117	Horizontal
4	9355.45	42.61	-38.26	38.56	-52.35	-13.00	39.35	137	334	Horizontal
5	11226.54	40.99	-35.07	39.37	-49.96	-13.00	36.96	182	0	Horizontal
6	13097.63	39.80	-34.47	39.66	-50.27	-13.00	37.27	192	261	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	47.79	-45.59	29.98	-63.07	-13.00	50.07	163	189	Vertical
2	5613.27	49.59	-43.84	32.96	-56.55	-13.00	43.55	192	225	Vertical
3	7484.36	45.77	-41.66	36.49	-54.66	-13.00	41.66	175	0	Vertical
4	9355.45	44.14	-38.26	38.56	-50.82	-13.00	37.82	182	177	Vertical
5	11226.54	40.75	-35.07	39.37	-50.20	-13.00	37.20	167	335	Vertical
6	13097.63	39.75	-34.47	39.66	-50.32	-13.00	37.32	237	43	Vertical



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Test Band = LTE Band 2 ANT2\_ 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	49.71	-45.48	30.08	-60.95	-13.00	47.95	163	178	Horizontal
2	5673.27	50.10	-43.77	33.16	-55.78	-13.00	42.78	175	115	Horizontal
3	7564.36	46.56	-41.38	36.63	-53.45	-13.00	40.45	214	288	Horizontal
4	9455.45	43.92	-38.15	38.55	-50.94	-13.00	37.94	256	30	Horizontal
5	11346.54	38.91	-35.43	39.25	-52.53	-13.00	39.53	295	0	Horizontal
6	13237.63	41.89	-34.98	39.74	-48.60	-13.00	35.60	176	238	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	49.24	-45.48	30.08	-61.42	-13.00	48.42	175	139	Vertical
2	5673.27	49.42	-43.77	33.16	-56.46	-13.00	43.46	214	0	Vertical
3	7564.36	47.63	-41.38	36.63	-52.38	-13.00	39.38	263	152	Vertical
4	9455.45	42.83	-38.15	38.55	-52.03	-13.00	39.03	264	1	Vertical
5	11346.54	38.05	-35.43	39.25	-53.39	-13.00	40.39	257	0	Vertical
6	13237.63	41.56	-34.98	39.74	-48.93	-13.00	35.93	196	310	Vertical



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Test Band = LTE Band 2 ANT3\_ 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	48.49	-45.69	29.89	-62.58	-13.00	49.58	163	142	Horizontal
2	5553.27	49.28	-43.87	32.77	-57.08	-13.00	44.08	175	311	Horizontal
3	7404.36	46.83	-41.96	36.44	-53.95	-13.00	40.95	184	263	Horizontal
4	9255.45	46.11	-38.39	38.57	-48.97	-13.00	35.97	215	20	Horizontal
5	11106.54	39.30	-35.35	39.49	-51.82	-13.00	38.82	226	10	Horizontal
6	12957.63	39.81	-34.89	39.56	-50.79	-13.00	37.79	271	91	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	3702.18	47.43	-45.69	29.89	-63.64	-13.00	50.64	234	299	Vertical
2	5553.27	48.48	-43.87	32.77	-57.88	-13.00	44.88	126	200	Vertical
3	7404.36	46.91	-41.96	36.44	-53.87	-13.00	40.87	195	102	Vertical
4	9255.45	44.49	-38.39	38.57	-50.59	-13.00	37.59	241	0	Vertical
5	11106.54	39.12	-35.35	39.49	-52.00	-13.00	39.00	225	152	Vertical
6	12957.63	39.27	-34.89	39.56	-51.33	-13.00	38.33	178	115	Vertical



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Test Band = LTE Band 2 ANT3\_ 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	47.60	-45.59	29.98	-63.26	-13.00	50.26	163	167	Horizontal
2	5613.27	48.93	-43.84	32.96	-57.21	-13.00	44.21	197	82	Horizontal
3	7484.36	45.69	-41.66	36.49	-54.74	-13.00	41.74	251	299	Horizontal
4	9355.45	43.33	-38.26	38.56	-51.63	-13.00	38.63	148	69	Horizontal
5	11226.54	40.37	-35.07	39.37	-50.58	-13.00	37.58	197	154	Horizontal
6	13097.63	40.69	-34.47	39.66	-49.38	-13.00	36.38	225	11	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	50.18	-45.59	29.98	-60.68	-13.00	47.68	226	285	Vertical
2	5613.27	48.48	-43.84	32.96	-57.66	-13.00	44.66	135	31	Vertical
3	7484.36	45.67	-41.66	36.49	-54.76	-13.00	41.76	165	152	Vertical
4	9355.45	44.62	-38.26	38.56	-50.34	-13.00	37.34	178	67	Vertical
5	11226.54	41.02	-35.07	39.37	-49.93	-13.00	36.93	195	116	Vertical
6	13097.63	40.42	-34.47	39.66	-49.65	-13.00	36.65	214	92	Vertical



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**Test Band = LTE Band 2 ANT3\_ 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	48.78	-45.48	30.08	-61.88	-13.00	48.88	163	43	Horizontal
2	5673.27	49.39	-43.77	33.16	-56.49	-13.00	43.49	195	298	Horizontal
3	7564.36	46.55	-41.38	36.63	-53.46	-13.00	40.46	175	116	Horizontal
4	9455.45	42.34	-38.15	38.55	-52.52	-13.00	39.52	241	262	Horizontal
5	11346.54	39.89	-35.43	39.25	-51.55	-13.00	38.55	226	56	Horizontal
6	13237.63	41.56	-34.98	39.74	-48.93	-13.00	35.93	197	105	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	48.68	-45.48	30.08	-61.98	-13.00	48.98	163	212	Vertical
2	5673.27	48.55	-43.77	33.16	-57.33	-13.00	44.33	214	127	Vertical
3	7564.36	46.43	-41.38	36.63	-53.58	-13.00	40.58	225	212	Vertical
4	9455.45	41.94	-38.15	38.55	-52.92	-13.00	39.92	197	140	Vertical
5	11346.54	38.61	-35.43	39.25	-52.83	-13.00	39.83	216	0	Vertical
6	13237.63	40.79	-34.98	39.74	-49.70	-13.00	36.70	223	225	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	-3.10	-0.001649	PASS
Band2	20MHz	QPSK	18900	100RB#0	VN	NT	-1.80	-0.000957	PASS
Band2	20MHz	QPSK	18900	100RB#0	VH	NT	-2.40	-0.001277	PASS

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band2	20MHz	QPSK	18900	100RB#0	NV	-30	-2.60	-0.001383	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	-20	-2.00	-0.001064	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	-10	-0.40	-0.000213	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	0	-0.80	-0.000426	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	10	-0.40	-0.000213	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	20	0.10	0.000053	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	30	-3.20	-0.001702	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	40	-2.30	-0.001223	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	50	-1.20	-0.000638	PASS

---End of Attachment---



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