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Appendix B.10

LTE Band 25



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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
Band25	1.4MHz	QPSK	26047	1RB#0	23.77	26.08	33	PASS
Band25	1.4MHz	QPSK	26047	1RB#2	24.07	26.38	33	PASS
Band25	1.4MHz	QPSK	26047	1RB#5	23.89	26.2	33	PASS
Band25	1.4MHz	QPSK	26047	6RB#0	22.96	25.27	33	PASS
Band25	1.4MHz	QPSK	26365	1RB#0	23.8	26.11	33	PASS
Band25	1.4MHz	QPSK	26365	1RB#2	23.85	26.16	33	PASS
Band25	1.4MHz	QPSK	26365	1RB#5	23.91	26.22	33	PASS
Band25	1.4MHz	QPSK	26365	6RB#0	22.99	25.3	33	PASS
Band25	1.4MHz	QPSK	26683	1RB#0	23.72	26.03	33	PASS
Band25	1.4MHz	QPSK	26683	1RB#2	23.83	26.14	33	PASS
Band25	1.4MHz	QPSK	26683	1RB#5	23.71	26.02	33	PASS
Band25	1.4MHz	QPSK	26683	6RB#0	23.01	25.32	33	PASS
Band25	1.4MHz	16QAM	26047	1RB#0	23.08	25.39	33	PASS
Band25	1.4MHz	16QAM	26047	1RB#2	23.32	25.63	33	PASS
Band25	1.4MHz	16QAM	26047	1RB#5	23.13	25.44	33	PASS
Band25	1.4MHz	16QAM	26047	6RB#0	21.97	24.28	33	PASS
Band25	1.4MHz	16QAM	26365	1RB#0	23.13	25.44	33	PASS
Band25	1.4MHz	16QAM	26365	1RB#2	23.17	25.48	33	PASS
Band25	1.4MHz	16QAM	26365	1RB#5	23.28	25.59	33	PASS
Band25	1.4MHz	16QAM	26365	6RB#0	22.07	24.38	33	PASS
Band25	1.4MHz	16QAM	26683	1RB#0	23.21	25.52	33	PASS
Band25	1.4MHz	16QAM	26683	1RB#2	23.17	25.48	33	PASS
Band25	1.4MHz	16QAM	26683	1RB#5	23.08	25.39	33	PASS
Band25	1.4MHz	16QAM	26683	6RB#0	22.14	24.45	33	PASS
Band25	1.4MHz	64QAM	26047	1RB#0	21.96	24.27	33	PASS
Band25	1.4MHz	64QAM	26047	1RB#2	22.22	24.53	33	PASS
Band25	1.4MHz	64QAM	26047	1RB#5	22.12	24.43	33	PASS



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Band25	1.4MHz	64QAM	26047	6RB#0	20.98	23.29	33	PASS
Band25	1.4MHz	64QAM	26365	1RB#0	22.08	24.39	33	PASS
Band25	1.4MHz	64QAM	26365	1RB#2	22.23	24.54	33	PASS
Band25	1.4MHz	64QAM	26365	1RB#5	22.1	24.41	33	PASS
Band25	1.4MHz	64QAM	26365	6RB#0	20.99	23.3	33	PASS
Band25	1.4MHz	64QAM	26683	1RB#0	21.51	23.82	33	PASS
Band25	1.4MHz	64QAM	26683	1RB#2	21.42	23.73	33	PASS
Band25	1.4MHz	64QAM	26683	1RB#5	21.28	23.59	33	PASS
Band25	1.4MHz	64QAM	26683	6RB#0	20.65	22.96	33	PASS
Band25	3MHz	QPSK	26055	1RB#0	23.87	26.18	33	PASS
Band25	3MHz	QPSK	26055	1RB#8	24.04	26.35	33	PASS
Band25	3MHz	QPSK	26055	1RB#14	23.93	26.24	33	PASS
Band25	3MHz	QPSK	26055	15RB#0	23.07	25.38	33	PASS
Band25	3MHz	QPSK	26365	1RB#0	23.85	26.16	33	PASS
Band25	3MHz	QPSK	26365	1RB#8	24.03	26.34	33	PASS
Band25	3MHz	QPSK	26365	1RB#14	24.02	26.33	33	PASS
Band25	3MHz	QPSK	26365	15RB#0	23.07	25.38	33	PASS
Band25	3MHz	QPSK	26675	1RB#0	23.94	26.25	33	PASS
Band25	3MHz	QPSK	26675	1RB#8	24.06	26.37	33	PASS
Band25	3MHz	QPSK	26675	1RB#14	23.82	26.13	33	PASS
Band25	3MHz	QPSK	26675	15RB#0	23.1	25.41	33	PASS
Band25	3MHz	16QAM	26055	1RB#0	23.09	25.4	33	PASS
Band25	3MHz	16QAM	26055	1RB#8	23.21	25.52	33	PASS
Band25	3MHz	16QAM	26055	1RB#14	23.29	25.6	33	PASS
Band25	3MHz	16QAM	26055	15RB#0	22.13	24.44	33	PASS
Band25	3MHz	16QAM	26365	1RB#0	23.32	25.63	33	PASS
Band25	3MHz	16QAM	26365	1RB#8	23.45	25.76	33	PASS
Band25	3MHz	16QAM	26365	1RB#14	23.36	25.67	33	PASS
Band25	3MHz	16QAM	26365	15RB#0	22.1	24.41	33	PASS
Band25	3MHz	16QAM	26675	1RB#0	23.33	25.64	33	PASS
Band25	3MHz	16QAM	26675	1RB#8	23.33	25.64	33	PASS
Band25	3MHz	16QAM	26675	1RB#14	23.1	25.41	33	PASS



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Band25	3MHz	16QAM	26675	15RB#0	22.07	24.38	33	PASS
Band25	3MHz	64QAM	26055	1RB#0	22.4	24.71	33	PASS
Band25	3MHz	64QAM	26055	1RB#8	22.08	24.39	33	PASS
Band25	3MHz	64QAM	26055	1RB#14	22.43	24.74	33	PASS
Band25	3MHz	64QAM	26055	15RB#0	21.1	23.41	33	PASS
Band25	3MHz	64QAM	26365	1RB#0	22.11	24.42	33	PASS
Band25	3MHz	64QAM	26365	1RB#8	22.27	24.58	33	PASS
Band25	3MHz	64QAM	26365	1RB#14	22.2	24.51	33	PASS
Band25	3MHz	64QAM	26365	15RB#0	21.09	23.4	33	PASS
Band25	3MHz	64QAM	26675	1RB#0	21.84	24.15	33	PASS
Band25	3MHz	64QAM	26675	1RB#8	21.77	24.08	33	PASS
Band25	3MHz	64QAM	26675	1RB#14	21.37	23.68	33	PASS
Band25	3MHz	64QAM	26675	15RB#0	20.84	23.15	33	PASS
Band25	5MHz	QPSK	26065	1RB#0	23.95	26.26	33	PASS
Band25	5MHz	QPSK	26065	1RB#12	24	26.31	33	PASS
Band25	5MHz	QPSK	26065	1RB#24	23.98	26.29	33	PASS
Band25	5MHz	QPSK	26065	25RB#0	23.04	25.35	33	PASS
Band25	5MHz	QPSK	26365	1RB#0	23.88	26.19	33	PASS
Band25	5MHz	QPSK	26365	1RB#12	24.09	26.4	33	PASS
Band25	5MHz	QPSK	26365	1RB#24	24.04	26.35	33	PASS
Band25	5MHz	QPSK	26365	25RB#0	23.05	25.36	33	PASS
Band25	5MHz	QPSK	26665	1RB#0	24.03	26.34	33	PASS
Band25	5MHz	QPSK	26665	1RB#12	24.03	26.34	33	PASS
Band25	5MHz	QPSK	26665	1RB#24	24	26.31	33	PASS
Band25	5MHz	QPSK	26665	25RB#0	23.2	25.51	33	PASS
Band25	5MHz	16QAM	26065	1RB#0	23.29	25.6	33	PASS
Band25	5MHz	16QAM	26065	1RB#12	23.32	25.63	33	PASS
Band25	5MHz	16QAM	26065	1RB#24	23.26	25.57	33	PASS
Band25	5MHz	16QAM	26065	25RB#0	22.14	24.45	33	PASS
Band25	5MHz	16QAM	26365	1RB#0	23.24	25.55	33	PASS
Band25	5MHz	16QAM	26365	1RB#12	23.28	25.59	33	PASS
Band25	5MHz	16QAM	26365	1RB#24	23.4	25.71	33	PASS



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Band25	5MHz	16QAM	26365	25RB#0	22.16	24.47	33	PASS
Band25	5MHz	16QAM	26665	1RB#0	23.36	25.67	33	PASS
Band25	5MHz	16QAM	26665	1RB#12	23.46	25.77	33	PASS
Band25	5MHz	16QAM	26665	1RB#24	23.25	25.56	33	PASS
Band25	5MHz	16QAM	26665	25RB#0	22.2	24.51	33	PASS
Band25	5MHz	64QAM	26065	1RB#0	22.26	24.57	33	PASS
Band25	5MHz	64QAM	26065	1RB#12	22.29	24.6	33	PASS
Band25	5MHz	64QAM	26065	1RB#24	22.37	24.68	33	PASS
Band25	5MHz	64QAM	26065	25RB#0	21.14	23.45	33	PASS
Band25	5MHz	64QAM	26365	1RB#0	22.24	24.55	33	PASS
Band25	5MHz	64QAM	26365	1RB#12	22.27	24.58	33	PASS
Band25	5MHz	64QAM	26365	1RB#24	22.3	24.61	33	PASS
Band25	5MHz	64QAM	26365	25RB#0	21.14	23.45	33	PASS
Band25	5MHz	64QAM	26665	1RB#0	22.27	24.58	33	PASS
Band25	5MHz	64QAM	26665	1RB#12	22.02	24.33	33	PASS
Band25	5MHz	64QAM	26665	1RB#24	21.65	23.96	33	PASS
Band25	5MHz	64QAM	26665	25RB#0	20.92	23.23	33	PASS
Band25	10MHz	QPSK	26090	1RB#0	23.73	26.04	33	PASS
Band25	10MHz	QPSK	26090	1RB#24	24.05	26.36	33	PASS
Band25	10MHz	QPSK	26090	1RB#49	23.89	26.2	33	PASS
Band25	10MHz	QPSK	26090	50RB#0	23.2	25.51	33	PASS
Band25	10MHz	QPSK	26365	1RB#0	24.08	26.39	33	PASS
Band25	10MHz	QPSK	26365	1RB#24	24.06	26.37	33	PASS
Band25	10MHz	QPSK	26365	1RB#49	24.09	26.4	33	PASS
Band25	10MHz	QPSK	26365	50RB#0	23.17	25.48	33	PASS
Band25	10MHz	QPSK	26640	1RB#0	24.13	26.44	33	PASS
Band25	10MHz	QPSK	26640	1RB#24	24.03	26.34	33	PASS
Band25	10MHz	QPSK	26640	1RB#49	24.09	26.4	33	PASS
Band25	10MHz	QPSK	26640	50RB#0	23.2	25.51	33	PASS
Band25	10MHz	16QAM	26090	1RB#0	23.44	25.75	33	PASS
Band25	10MHz	16QAM	26090	1RB#24	23.22	25.53	33	PASS
Band25	10MHz	16QAM	26090	1RB#49	23.37	25.68	33	PASS



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Band25	10MHz	16QAM	26090	50RB#0	22.16	24.47	33	PASS
Band25	10MHz	16QAM	26365	1RB#0	23.25	25.56	33	PASS
Band25	10MHz	16QAM	26365	1RB#24	23.37	25.68	33	PASS
Band25	10MHz	16QAM	26365	1RB#49	23.24	25.55	33	PASS
Band25	10MHz	16QAM	26365	50RB#0	22.12	24.43	33	PASS
Band25	10MHz	16QAM	26640	1RB#0	23.41	25.72	33	PASS
Band25	10MHz	16QAM	26640	1RB#24	23.31	25.62	33	PASS
Band25	10MHz	16QAM	26640	1RB#49	23.3	25.61	33	PASS
Band25	10MHz	16QAM	26640	50RB#0	22.11	24.42	33	PASS
Band25	10MHz	64QAM	26090	1RB#0	22.03	24.34	33	PASS
Band25	10MHz	64QAM	26090	1RB#24	22.2	24.51	33	PASS
Band25	10MHz	64QAM	26090	1RB#49	22.21	24.52	33	PASS
Band25	10MHz	64QAM	26090	50RB#0	21.16	23.47	33	PASS
Band25	10MHz	64QAM	26365	1RB#0	22.24	24.55	33	PASS
Band25	10MHz	64QAM	26365	1RB#24	22.16	24.47	33	PASS
Band25	10MHz	64QAM	26365	1RB#49	22.36	24.67	33	PASS
Band25	10MHz	64QAM	26365	50RB#0	21.17	23.48	33	PASS
Band25	10MHz	64QAM	26640	1RB#0	21.97	24.28	33	PASS
Band25	10MHz	64QAM	26640	1RB#24	22.19	24.5	33	PASS
Band25	10MHz	64QAM	26640	1RB#49	21.8	24.11	33	PASS
Band25	10MHz	64QAM	26640	50RB#0	20.97	23.28	33	PASS
Band25	15MHz	QPSK	26115	1RB#0	23.85	26.16	33	PASS
Band25	15MHz	QPSK	26115	1RB#38	23.93	26.24	33	PASS
Band25	15MHz	QPSK	26115	1RB#74	23.95	26.26	33	PASS
Band25	15MHz	QPSK	26115	75RB#0	23.16	25.47	33	PASS
Band25	15MHz	QPSK	26365	1RB#0	23.89	26.2	33	PASS
Band25	15MHz	QPSK	26365	1RB#38	23.96	26.27	33	PASS
Band25	15MHz	QPSK	26365	1RB#74	23.96	26.27	33	PASS
Band25	15MHz	QPSK	26365	75RB#0	23.15	25.46	33	PASS
Band25	15MHz	QPSK	26615	1RB#0	24	26.31	33	PASS
Band25	15MHz	QPSK	26615	1RB#38	24.02	26.33	33	PASS
Band25	15MHz	QPSK	26615	1RB#74	24.02	26.33	33	PASS



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Band25	15MHz	16QAM	26115	1RB#0	23.47	25.78	33	PASS
Band25	15MHz	16QAM	26115	1RB#38	23.24	25.55	33	PASS
Band25	15MHz	16QAM	26115	1RB#74	23.29	25.6	33	PASS
Band25	15MHz	16QAM	26115	75RB#0	22.16	24.47	33	PASS
Band25	15MHz	16QAM	26365	1RB#0	23.25	25.56	33	PASS
Band25	15MHz	16QAM	26365	1RB#38	23.34	25.65	33	PASS
Band25	15MHz	16QAM	26365	1RB#74	23.4	25.71	33	PASS
Band25	15MHz	16QAM	26365	75RB#0	22.16	24.47	33	PASS
Band25	15MHz	16QAM	26615	1RB#0	23.4	25.71	33	PASS
Band25	15MHz	16QAM	26615	1RB#38	23.51	25.82	33	PASS
Band25	15MHz	16QAM	26615	1RB#74	23.42	25.73	33	PASS
Band25	15MHz	16QAM	26615	75RB#0	22.15	24.46	33	PASS
Band25	15MHz	64QAM	26115	1RB#0	22.04	24.35	33	PASS
Band25	15MHz	64QAM	26115	1RB#38	22.33	24.64	33	PASS
Band25	15MHz	64QAM	26115	1RB#74	22.19	24.5	33	PASS
Band25	15MHz	64QAM	26115	75RB#0	21.17	23.48	33	PASS
Band25	15MHz	64QAM	26365	1RB#0	22.12	24.43	33	PASS
Band25	15MHz	64QAM	26365	1RB#38	22.28	24.59	33	PASS
Band25	15MHz	64QAM	26365	1RB#74	22.1	24.41	33	PASS
Band25	15MHz	64QAM	26365	75RB#0	21.14	23.45	33	PASS
Band25	15MHz	64QAM	26615	1RB#0	21.92	24.23	33	PASS
Band25	15MHz	64QAM	26615	1RB#38	21.83	24.14	33	PASS
Band25	15MHz	64QAM	26615	1RB#74	21.75	24.06	33	PASS
Band25	15MHz	64QAM	26615	75RB#0	20.85	23.16	33	PASS
Band25	20MHz	QPSK	26140	1RB#0	23.93	26.24	33	PASS
Band25	20MHz	QPSK	26140	1RB#49	23.8	26.11	33	PASS
Band25	20MHz	QPSK	26140	1RB#99	23.94	26.25	33	PASS
Band25	20MHz	QPSK	26140	100RB#0	23.11	25.42	33	PASS
Band25	20MHz	QPSK	26365	1RB#0	23.82	26.13	33	PASS
Band25	20MHz	QPSK	26365	1RB#49	24	26.31	33	PASS
Band25	20MHz	QPSK	26365	1RB#99	23.94	26.25	33	PASS



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Band25	20MHz	QPSK	26365	100RB#0	23.12	25.43	33	PASS
Band25	20MHz	QPSK	26590	1RB#0	23.97	26.28	33	PASS
Band25	20MHz	QPSK	26590	1RB#49	24.02	26.33	33	PASS
Band25	20MHz	QPSK	26590	1RB#99	24.12	26.43	33	PASS
Band25	20MHz	QPSK	26590	100RB#0	22.89	25.2	33	PASS
Band25	20MHz	16QAM	26140	1RB#0	23.18	25.49	33	PASS
Band25	20MHz	16QAM	26140	1RB#49	23.18	25.49	33	PASS
Band25	20MHz	16QAM	26140	1RB#99	23.22	25.53	33	PASS
Band25	20MHz	16QAM	26140	100RB#0	22.1	24.41	33	PASS
Band25	20MHz	16QAM	26365	1RB#0	23.23	25.54	33	PASS
Band25	20MHz	16QAM	26365	1RB#49	23.33	25.64	33	PASS
Band25	20MHz	16QAM	26365	1RB#99	23.35	25.66	33	PASS
Band25	20MHz	16QAM	26365	100RB#0	22.1	24.41	33	PASS
Band25	20MHz	16QAM	26590	1RB#0	23.39	25.7	33	PASS
Band25	20MHz	16QAM	26590	1RB#49	23.36	25.67	33	PASS
Band25	20MHz	16QAM	26590	1RB#99	23.32	25.63	33	PASS
Band25	20MHz	16QAM	26590	100RB#0	22.14	24.45	33	PASS
Band25	20MHz	64QAM	26140	1RB#0	22.11	24.42	33	PASS
Band25	20MHz	64QAM	26140	1RB#49	22.14	24.45	33	PASS
Band25	20MHz	64QAM	26140	1RB#99	22.27	24.58	33	PASS
Band25	20MHz	64QAM	26140	100RB#0	21.16	23.47	33	PASS
Band25	20MHz	64QAM	26365	1RB#0	22.13	24.44	33	PASS
Band25	20MHz	64QAM	26365	1RB#49	22.36	24.67	33	PASS
Band25	20MHz	64QAM	26365	1RB#99	22.28	24.59	33	PASS
Band25	20MHz	64QAM	26365	100RB#0	21.12	23.43	33	PASS
Band25	20MHz	64QAM	26590	1RB#0	22.23	24.54	33	PASS
Band25	20MHz	64QAM	26590	1RB#49	21.6	23.91	33	PASS
Band25	20MHz	64QAM	26590	1RB#99	21.63	23.94	33	PASS
Band25	20MHz	64QAM	26590	100RB#0	20.72	23.03	33	PASS



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Peak-to-Average Ratio(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band25	20MHz	QPSK	26140	100RB#0	5.36	13	PASS
Band25	20MHz	QPSK	26365	100RB#0	5.50	13	PASS
Band25	20MHz	QPSK	26590	100RB#0	5.46	13	PASS
Band25	20MHz	16QAM	26140	100RB#0	6.22	13	PASS
Band25	20MHz	16QAM	26365	100RB#0	6.14	13	PASS
Band25	20MHz	16QAM	26590	100RB#0	6.30	13	PASS
Band25	20MHz	64QAM	26140	100RB#0	6.68	13	PASS
Band25	20MHz	64QAM	26365	100RB#0	6.78	13	PASS
Band25	20MHz	64QAM	26590	100RB#0	6.88	13	PASS



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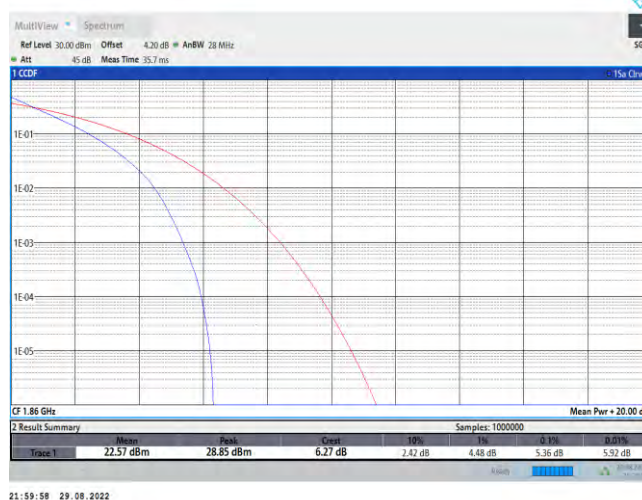
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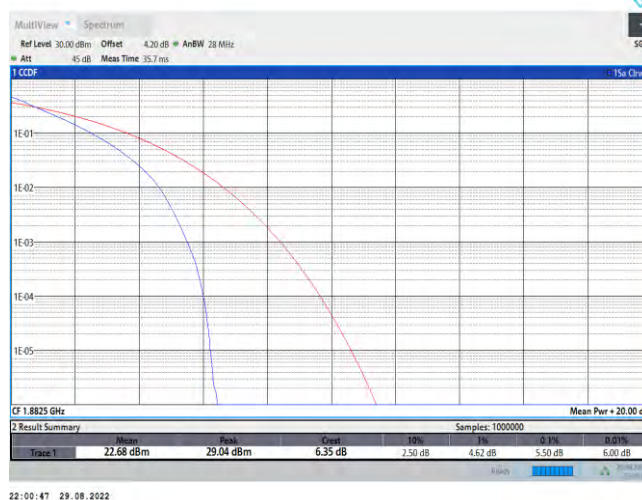
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Test Graphs

Band25-20MHz-QPSK-26140-100RB#0



Band25-20MHz-QPSK-26365-100RB#0



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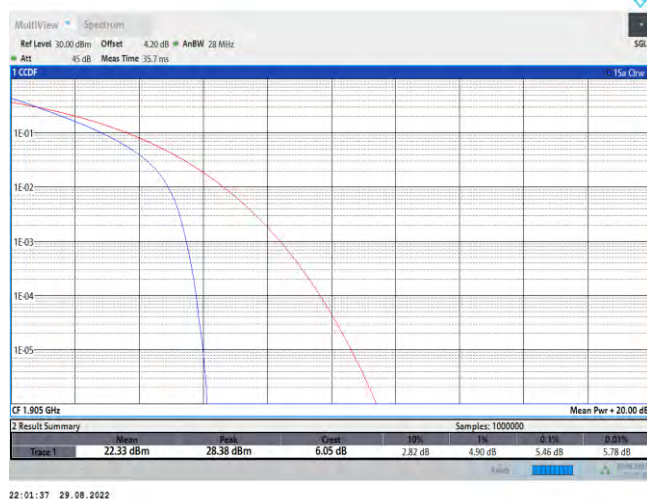
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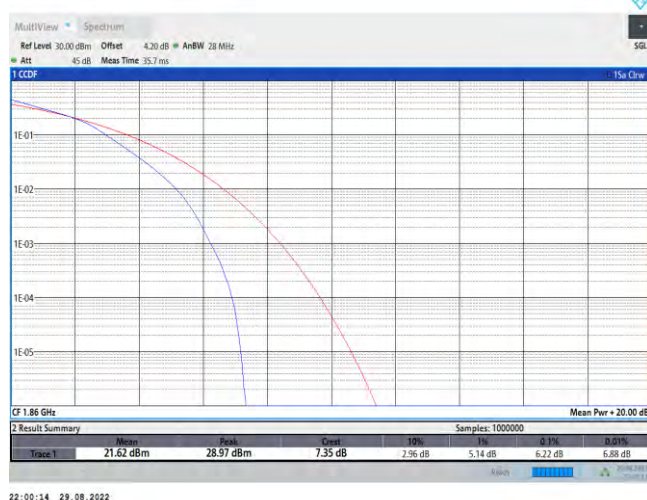
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Band25-20MHz-QPSK-26590-100RB#0



Band25-20MHz-16QAM-26140-100RB#0



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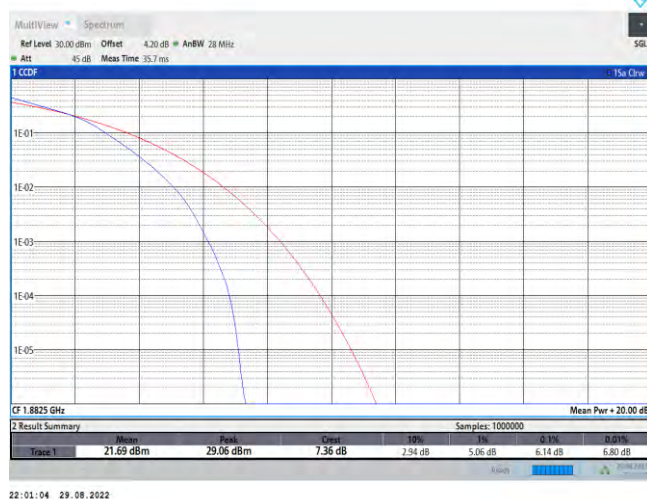
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22:01:04 29.08.2022

Band25-20MHz-16QAM-26590-100RB#0



22:01:53 29.08.2022



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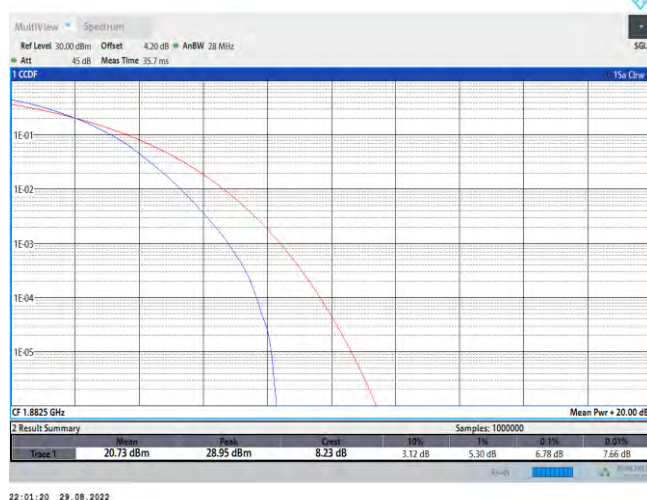
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Band25-20MHz-64QAM-26140-100RB#0



Band25-20MHz-64QAM-26365-100RB#0



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Band25-20MHz-64QAM-26590-100RB#0



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Modulation Characteristics

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result	Verdict
Band25	20MHz	QPSK	26365	100RB#0	PASS	PASS
Band25	20MHz	16QAM	26365	100RB#0	PASS	PASS
Band25	20MHz	64QAM	26365	100RB#0	PASS	PASS



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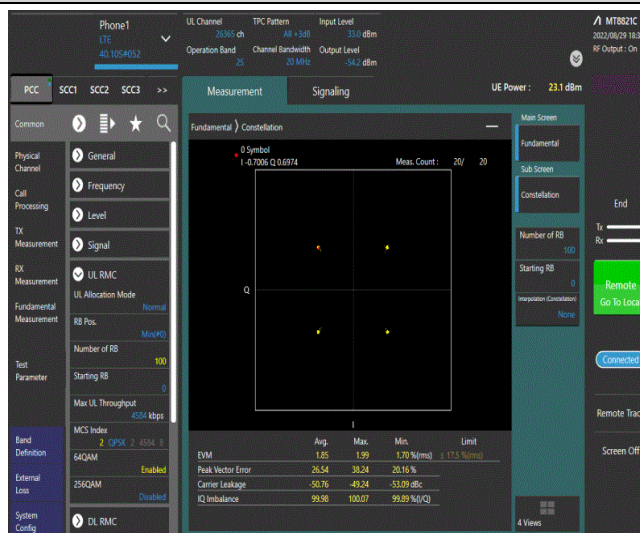
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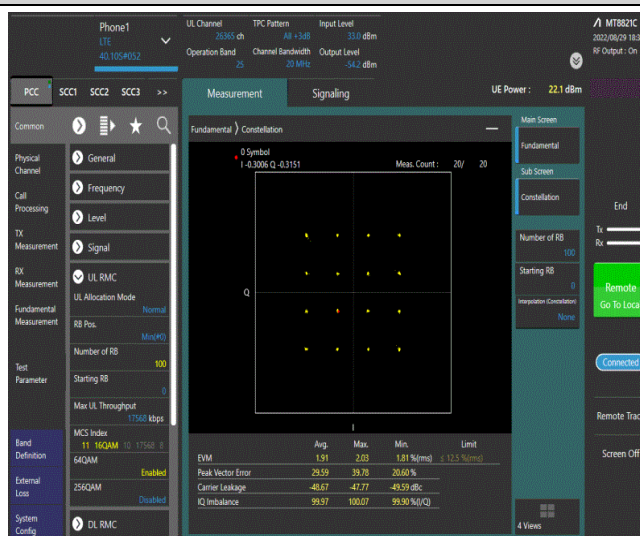
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Band25-20MHz-QPSK-26365-100RB#0



Band25-20MHz-16QAM-26365-100RB#0



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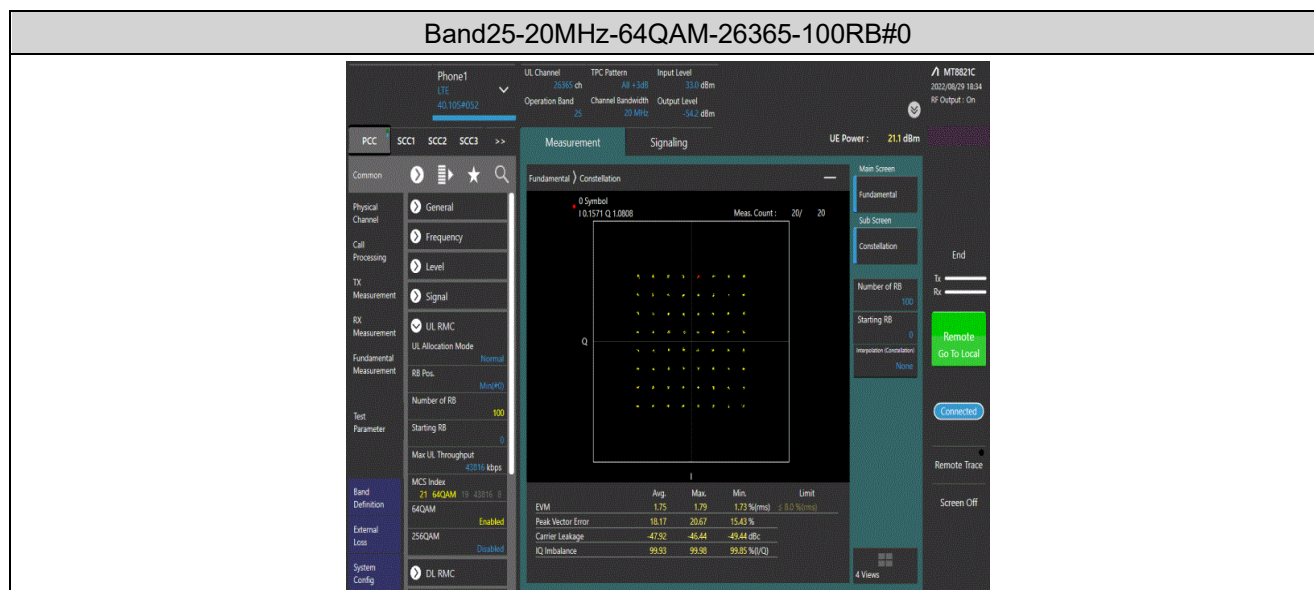
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26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band25	1.4MHz	QPSK	26047	6RB#0	1.086	1.23	PASS
Band25	1.4MHz	QPSK	26365	6RB#0	1.086	1.23	PASS
Band25	1.4MHz	QPSK	26683	6RB#0	1.088	1.25	PASS
Band25	1.4MHz	16QAM	26047	6RB#0	1.093	1.24	PASS
Band25	1.4MHz	16QAM	26365	6RB#0	1.092	1.24	PASS
Band25	1.4MHz	16QAM	26683	6RB#0	1.095	1.24	PASS
Band25	1.4MHz	64QAM	26047	6RB#0	1.093	1.24	PASS
Band25	1.4MHz	64QAM	26365	6RB#0	1.092	1.23	PASS
Band25	1.4MHz	64QAM	26683	6RB#0	1.095	1.24	PASS
Band25	3MHz	QPSK	26055	15RB#0	2.695	3.00	PASS
Band25	3MHz	QPSK	26365	15RB#0	2.693	2.98	PASS
Band25	3MHz	QPSK	26675	15RB#0	2.697	2.98	PASS
Band25	3MHz	16QAM	26055	15RB#0	2.685	3.01	PASS
Band25	3MHz	16QAM	26365	15RB#0	2.686	2.99	PASS
Band25	3MHz	16QAM	26675	15RB#0	2.69	3.02	PASS
Band25	3MHz	64QAM	26055	15RB#0	2.687	2.95	PASS
Band25	3MHz	64QAM	26365	15RB#0	2.687	2.97	PASS
Band25	3MHz	64QAM	26675	15RB#0	2.683	2.97	PASS
Band25	5MHz	QPSK	26065	25RB#0	4.47	4.88	PASS
Band25	5MHz	QPSK	26365	25RB#0	4.465	4.88	PASS
Band25	5MHz	QPSK	26665	25RB#0	4.469	4.87	PASS
Band25	5MHz	16QAM	26065	25RB#0	4.463	4.91	PASS
Band25	5MHz	16QAM	26365	25RB#0	4.468	4.89	PASS
Band25	5MHz	16QAM	26665	25RB#0	4.468	4.93	PASS
Band25	5MHz	64QAM	26065	25RB#0	4.479	4.90	PASS
Band25	5MHz	64QAM	26365	25RB#0	4.48	4.91	PASS
Band25	5MHz	64QAM	26665	25RB#0	4.48	4.90	PASS
Band25	10MHz	QPSK	26090	50RB#0	8.928	9.60	PASS
Band25	10MHz	QPSK	26365	50RB#0	8.93	9.60	PASS
Band25	10MHz	QPSK	26640	50RB#0	8.92	9.66	PASS
Band25	10MHz	16QAM	26090	50RB#0	8.899	9.64	PASS



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Band25	10MHz	16QAM	26365	50RB#0	8.909	9.58	PASS
Band25	10MHz	16QAM	26640	50RB#0	8.908	9.64	PASS
Band25	10MHz	64QAM	26090	50RB#0	8.917	9.60	PASS
Band25	10MHz	64QAM	26365	50RB#0	8.923	9.62	PASS
Band25	10MHz	64QAM	26640	50RB#0	8.928	9.60	PASS
Band25	15MHz	QPSK	26115	75RB#0	13.453	14.70	PASS
Band25	15MHz	QPSK	26365	75RB#0	13.484	14.79	PASS
Band25	15MHz	QPSK	26615	75RB#0	13.479	14.76	PASS
Band25	15MHz	16QAM	26115	75RB#0	13.444	14.73	PASS
Band25	15MHz	16QAM	26365	75RB#0	13.446	14.70	PASS
Band25	15MHz	16QAM	26615	75RB#0	13.454	14.79	PASS
Band25	15MHz	64QAM	26115	75RB#0	13.418	15.15	PASS
Band25	15MHz	64QAM	26365	75RB#0	13.431	14.79	PASS
Band25	15MHz	64QAM	26615	75RB#0	13.454	15.90	PASS
Band25	20MHz	QPSK	26140	100RB#0	17.88	19.40	PASS
Band25	20MHz	QPSK	26365	100RB#0	17.934	19.40	PASS
Band25	20MHz	QPSK	26590	100RB#0	17.952	19.44	PASS
Band25	20MHz	16QAM	26140	100RB#0	17.854	19.36	PASS
Band25	20MHz	16QAM	26365	100RB#0	17.883	19.44	PASS
Band25	20MHz	16QAM	26590	100RB#0	17.907	19.40	PASS
Band25	20MHz	64QAM	26140	100RB#0	17.836	19.48	PASS
Band25	20MHz	64QAM	26365	100RB#0	17.897	19.60	PASS
Band25	20MHz	64QAM	26590	100RB#0	17.9	19.44	PASS



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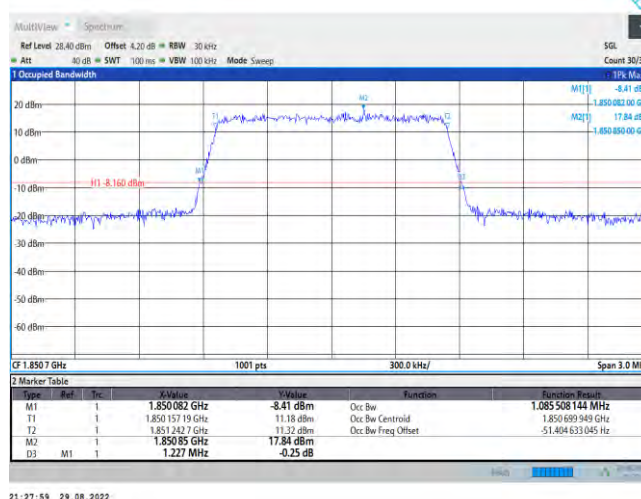
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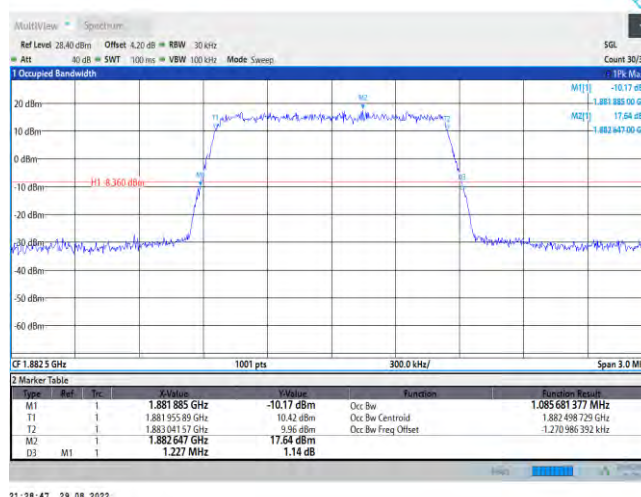
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Test Graphs

Band25-1.4MHz-QPSK-26047-6RB#0



Band25-1.4MHz-QPSK-26365-6RB#0



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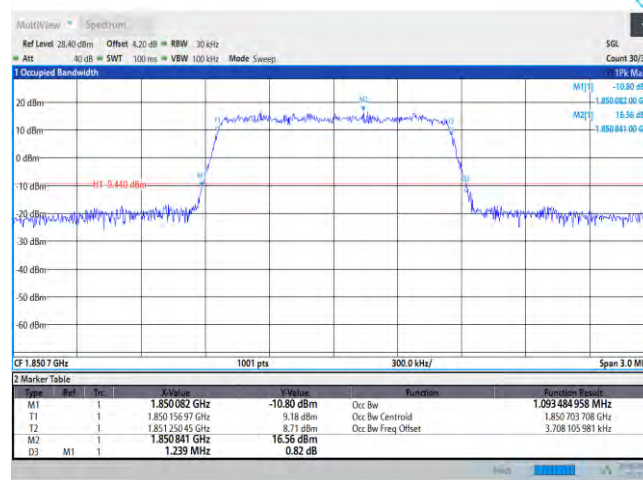
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Band25-1.4MHz-QPSK-26683-6RB#0



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Band25-1.4MHz-16QAM-26047-6RB#0



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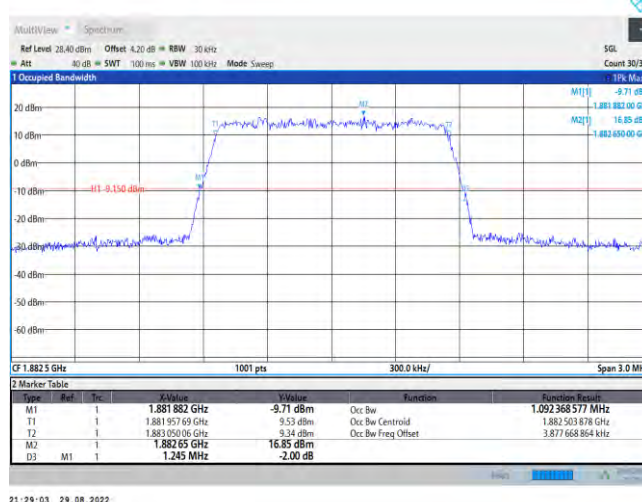
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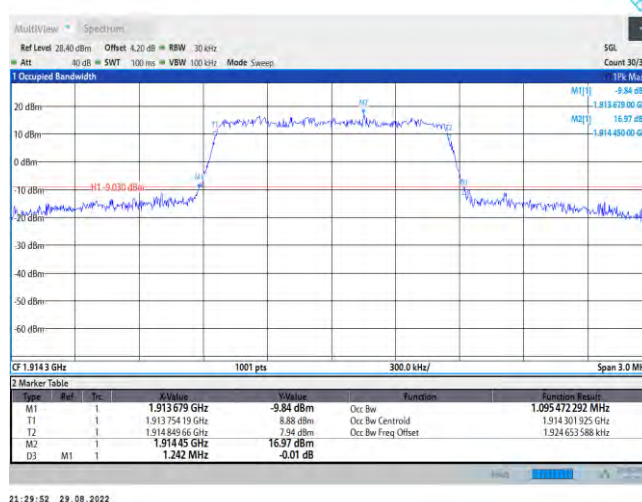
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Band25-1.4MHz-16QAM-26365-6RB#0



Band25-1.4MHz-16QAM-26683-6RB#0



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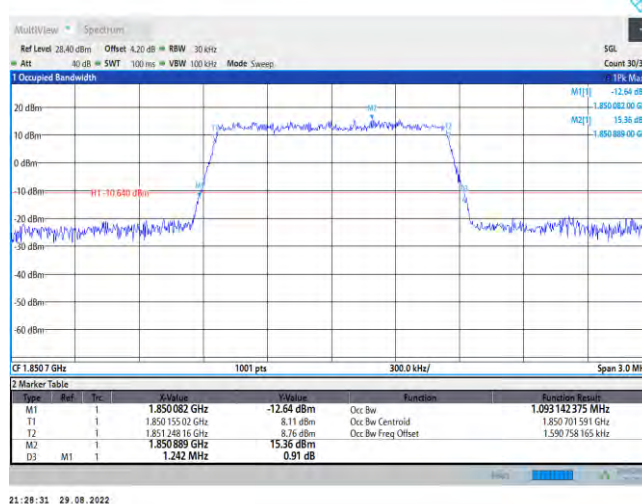
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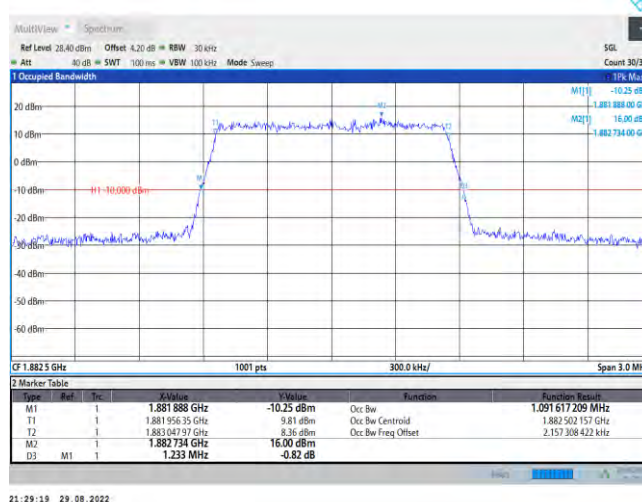
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Band25-1.4MHz-64QAM-26047-6RB#0



Band25-1.4MHz-64QAM-26365-6RB#0



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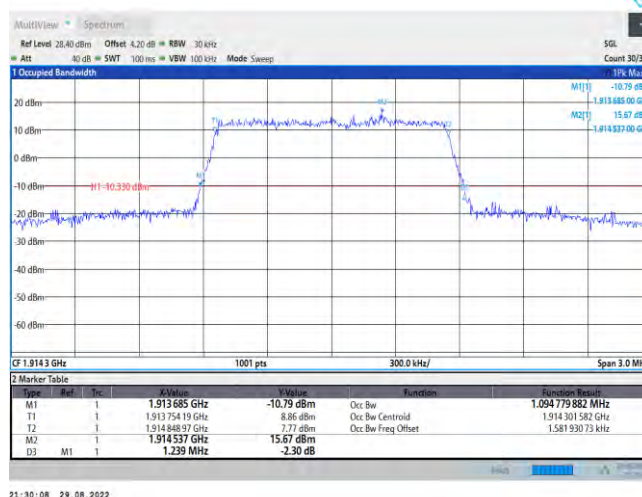
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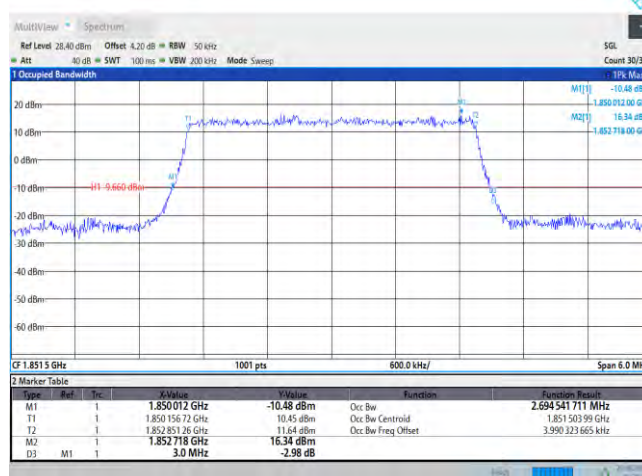
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Band25-3MHz-QPSK-26055-15RB#0



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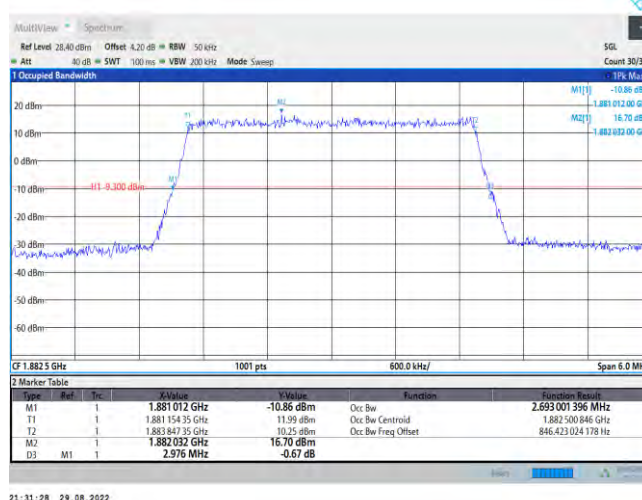
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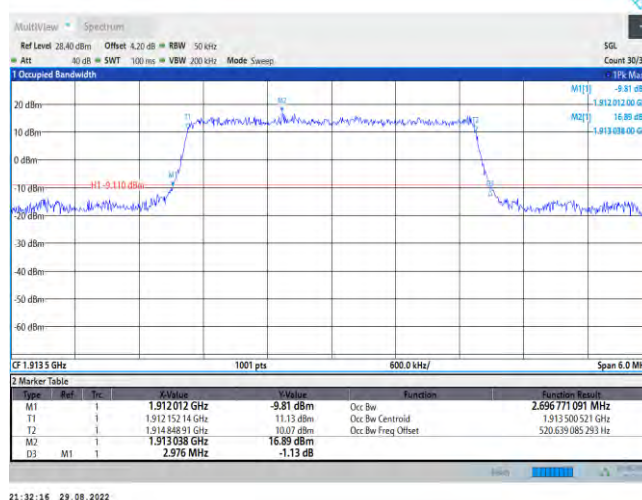
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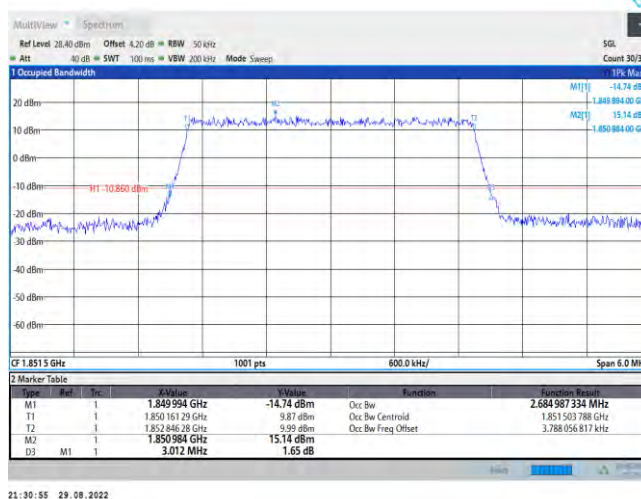
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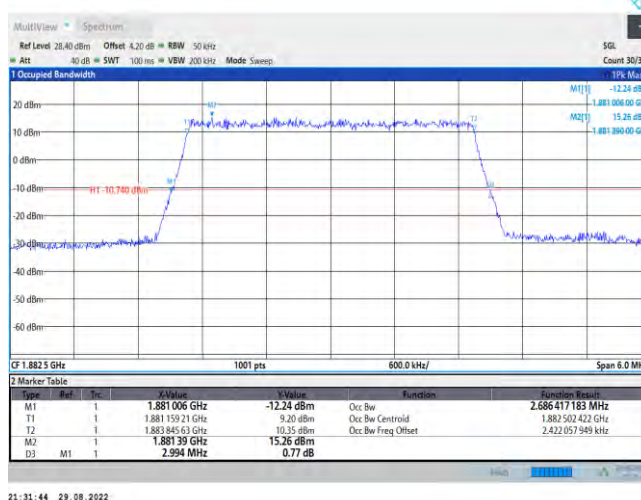
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Band25-3MHz-16QAM-26055-15RB#0



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Band25-3MHz-16QAM-26365-15RB#0



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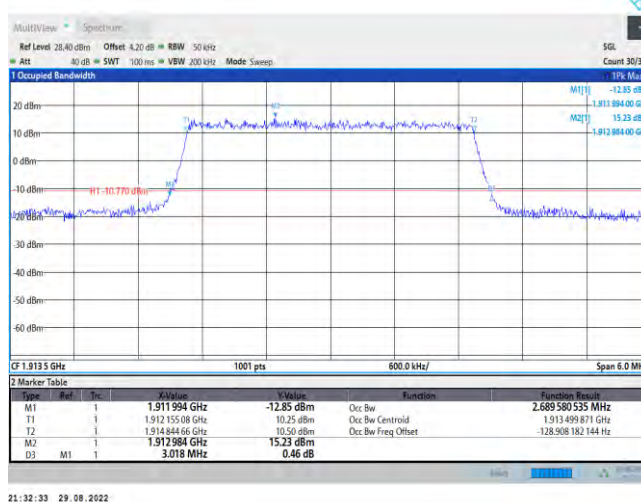
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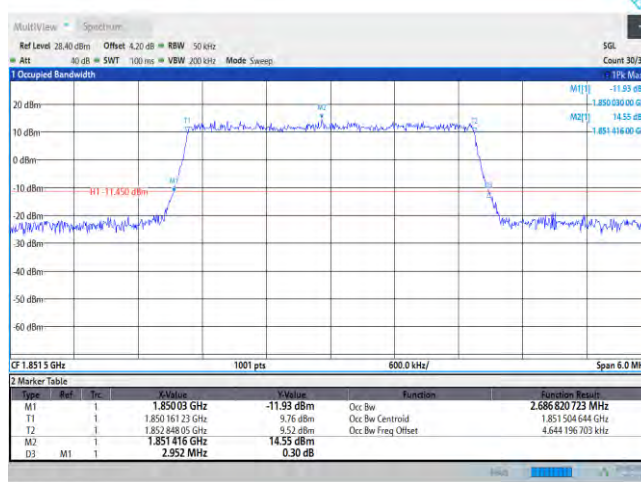
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Band25-3MHz-16QAM-26675-15RB#0



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Band25-3MHz-64QAM-26055-15RB#0



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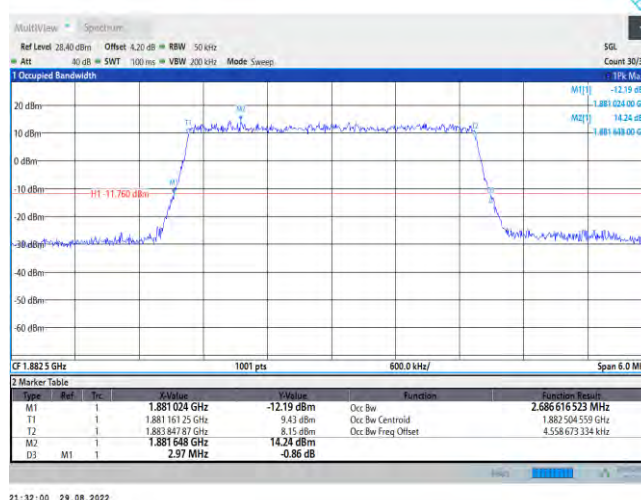
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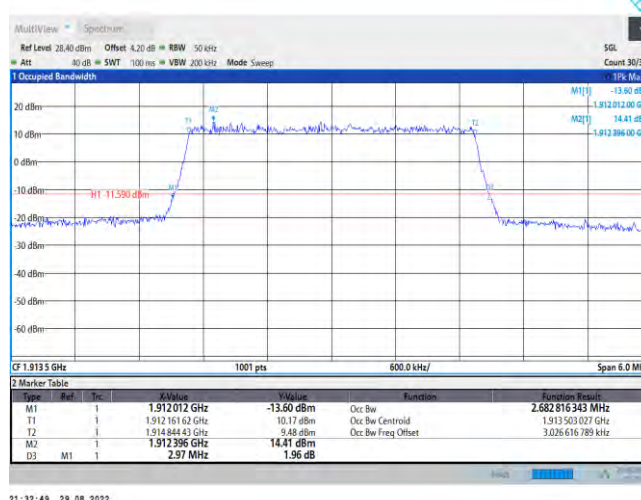
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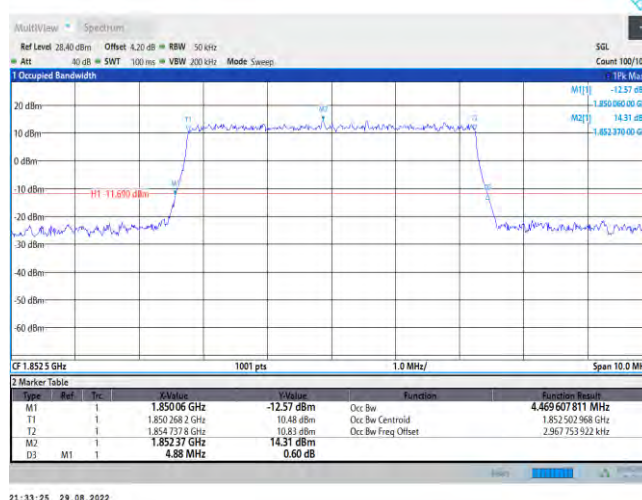
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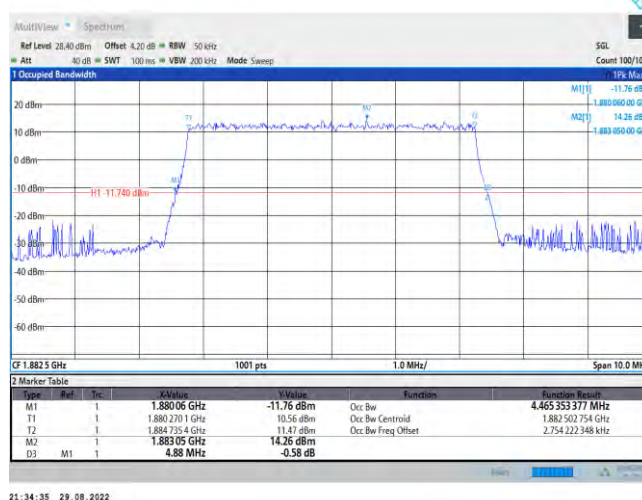
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Band25-5MHz-QPSK-26065-25RB#0



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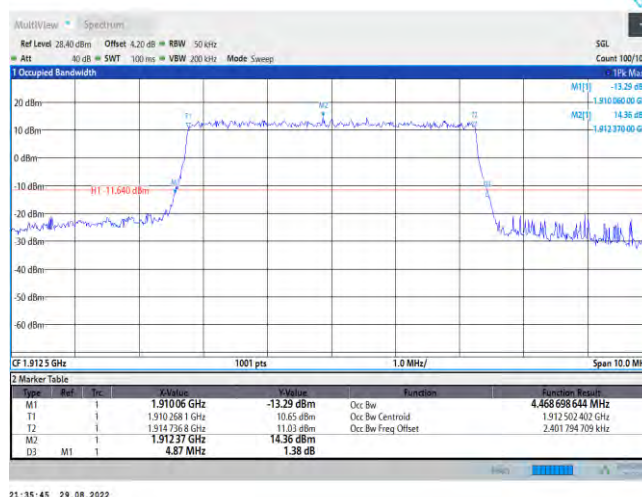
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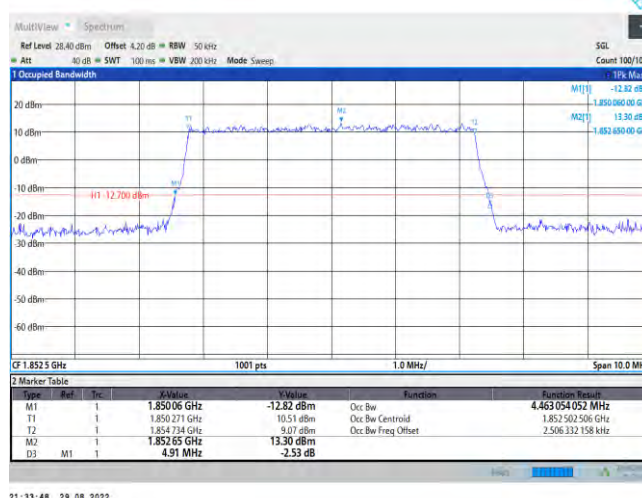
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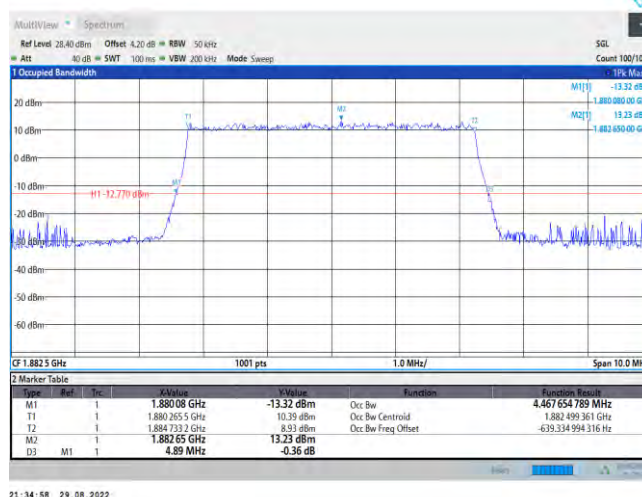
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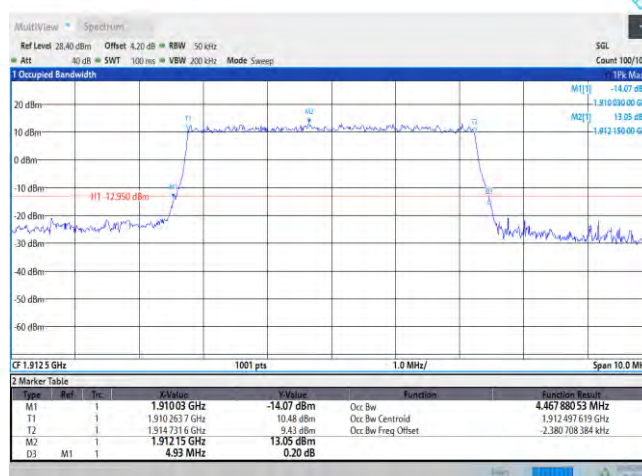
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Band25-5MHz-16QAM-26665-25RB#0



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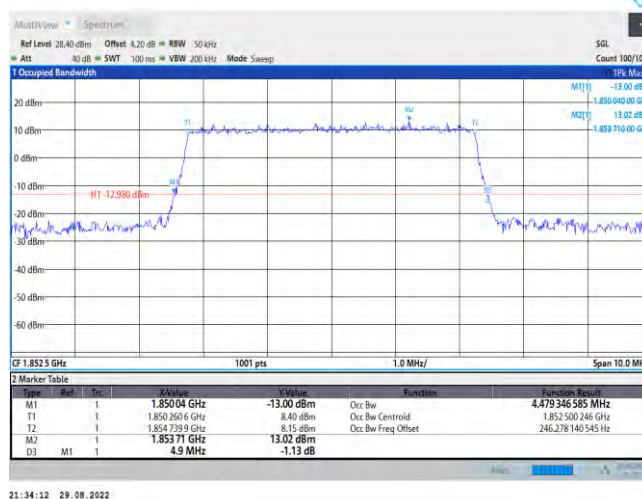
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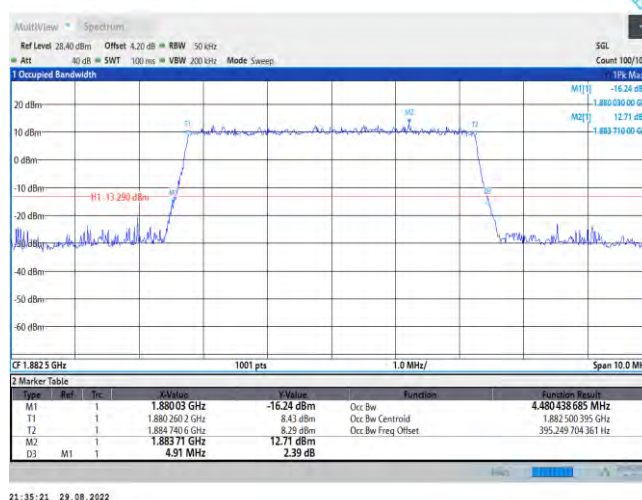
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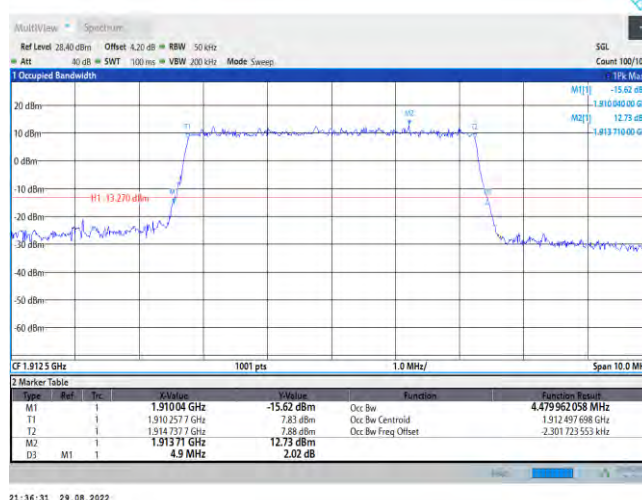
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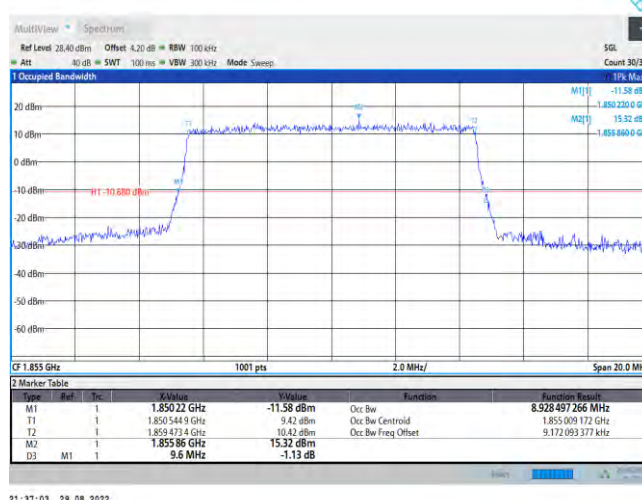
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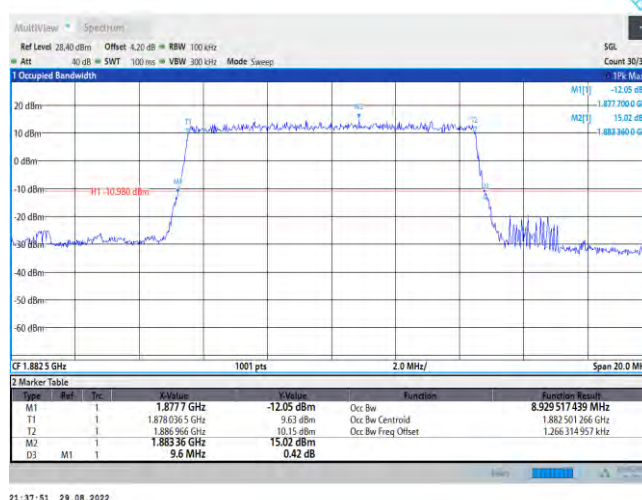
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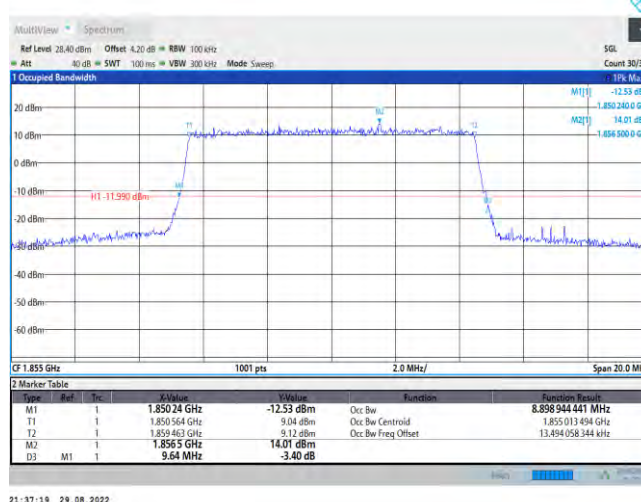
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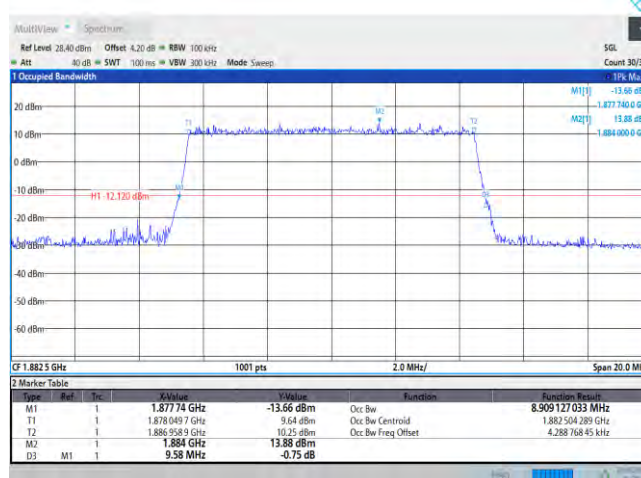
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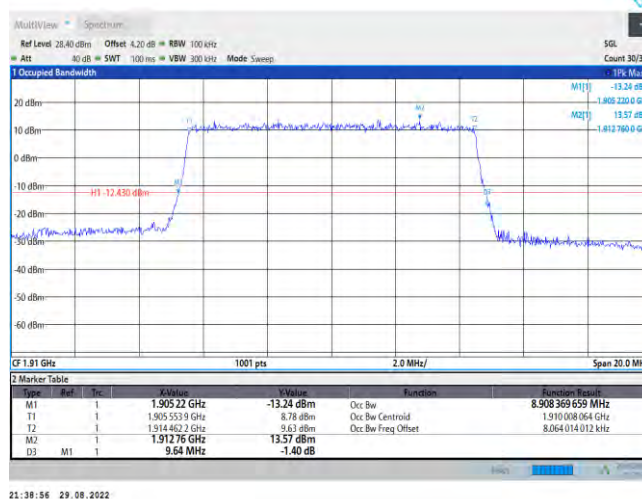
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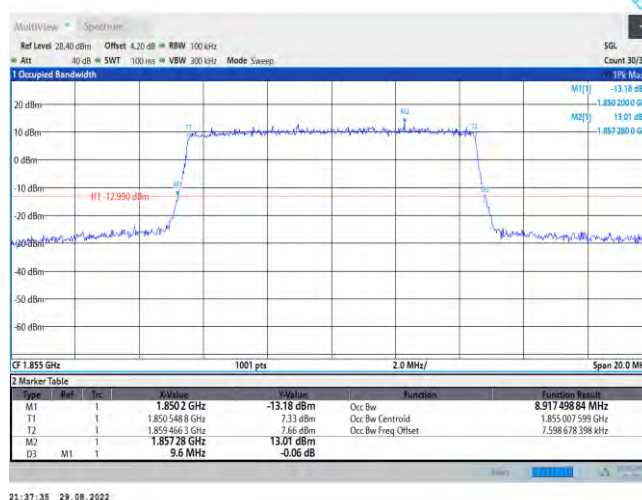
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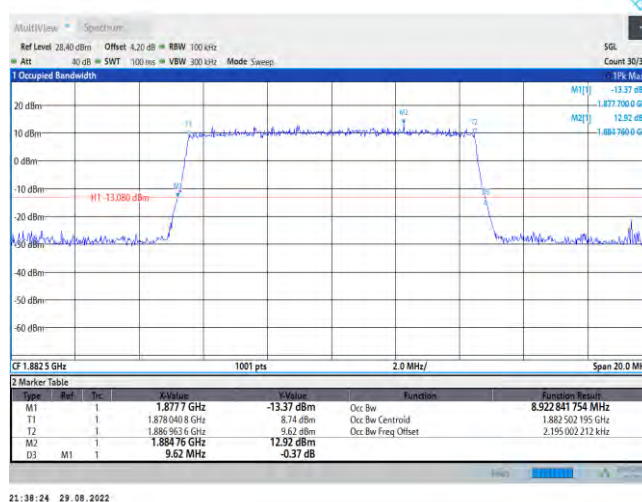
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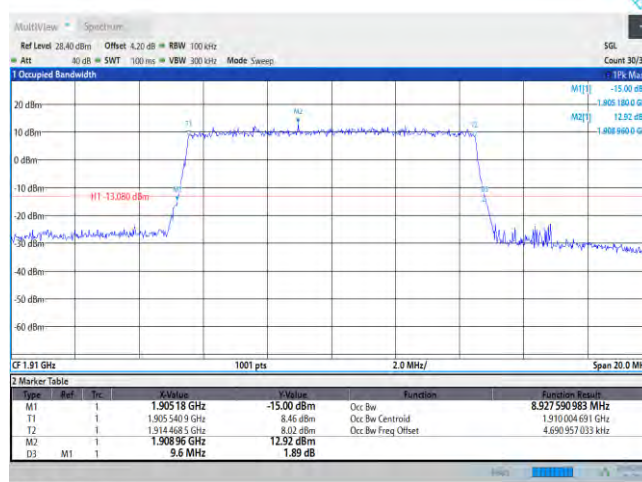
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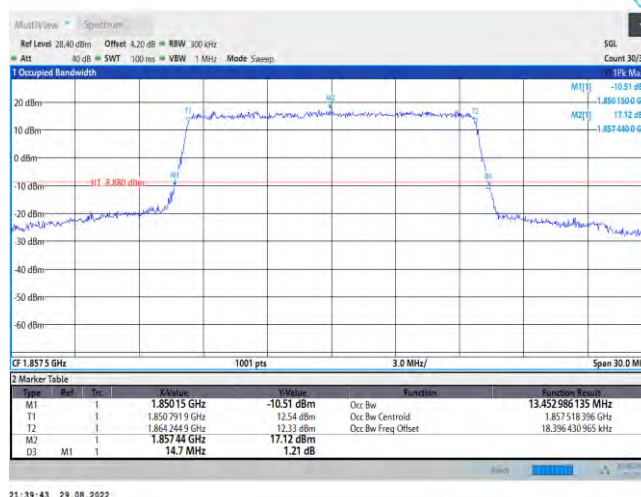
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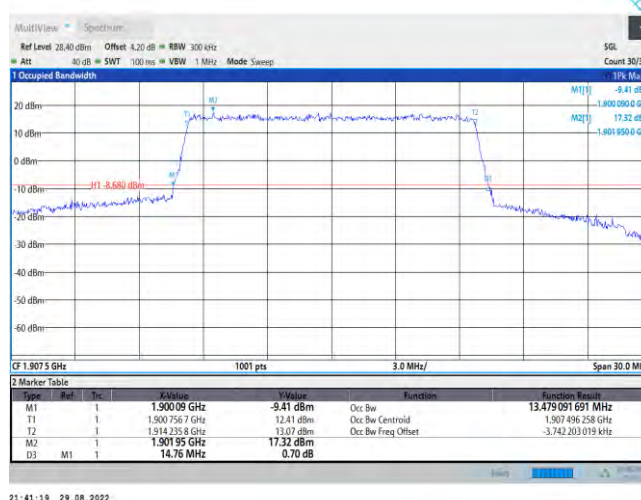
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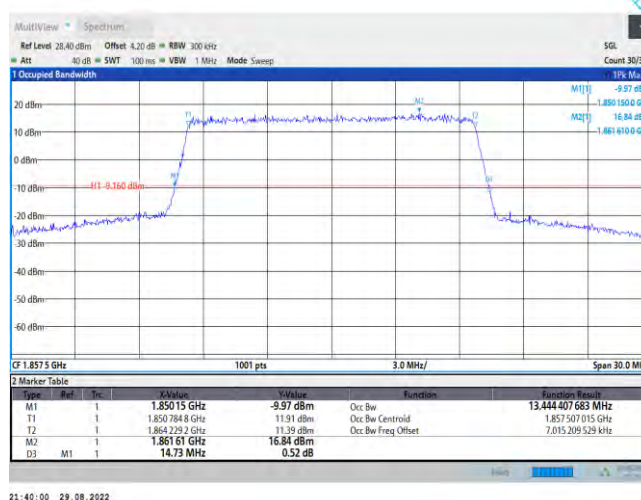
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Band25-15MHz-QPSK-26615-75RB#0



Band25-15MHz-16QAM-26115-75RB#0



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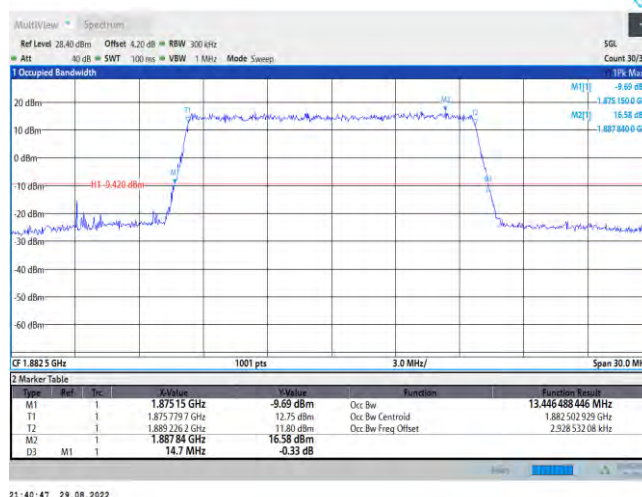
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Band25-15MHz-16QAM-26615-75RB#0



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Band25-15MHz-64QAM-26365-75RB#0



21:41:03 29.08.2022



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21:41:51 29.08.2022

Band25-20MHz-QPSK-26140-100RB#0



21:42:22 29.08.2022



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Band25-20MHz-QPSK-26590-100RB#0



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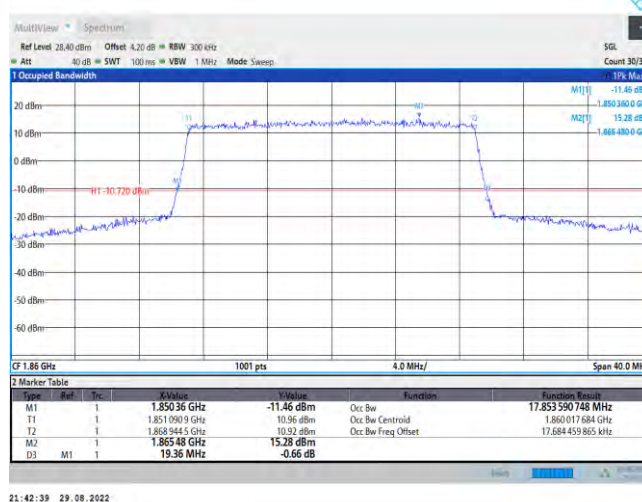
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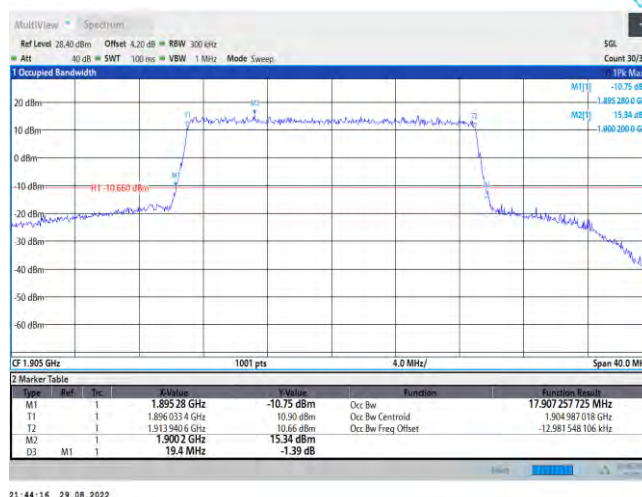
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Band25-20MHz-64QAM-26140-100RB#0



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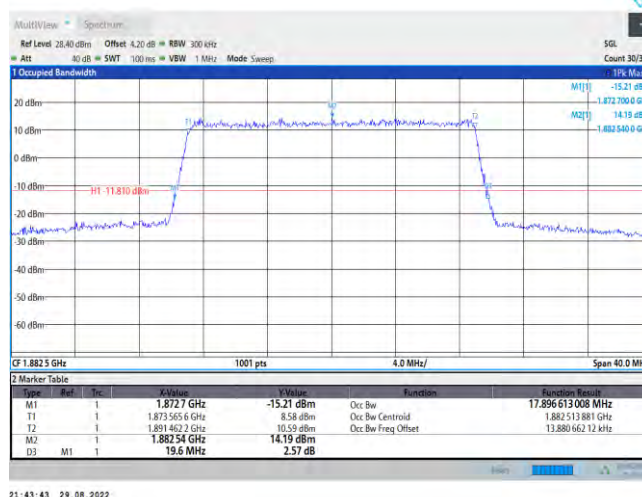
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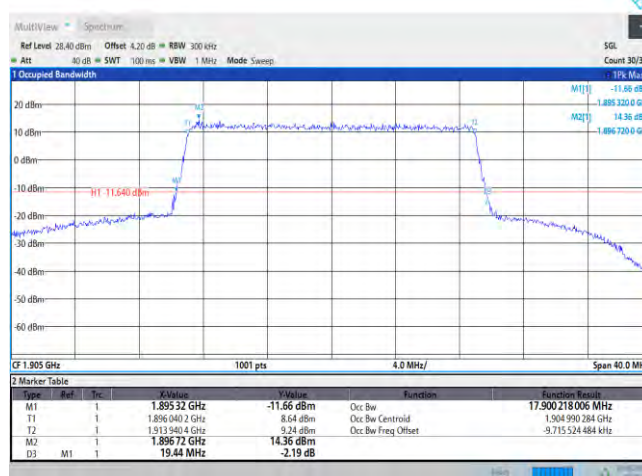
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Band25-20MHz-64QAM-26590-100RB#0



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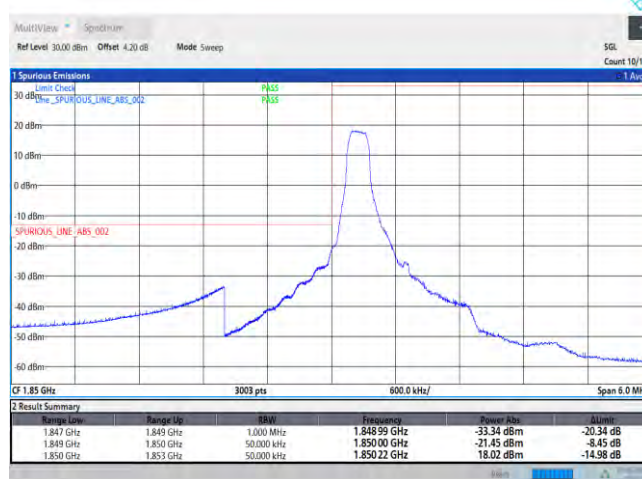
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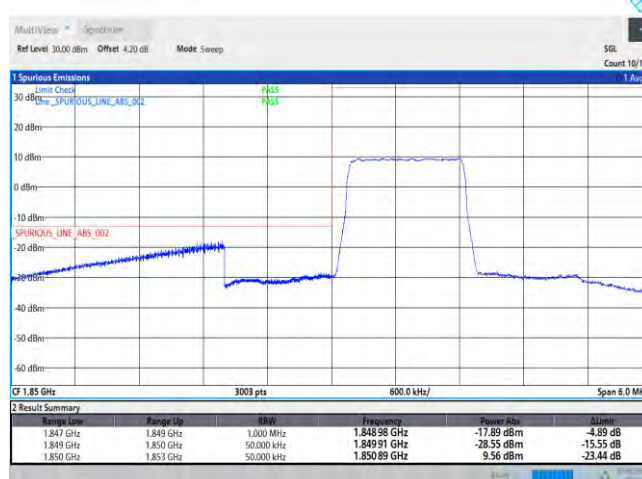
Test Graphs

Band25-1.4MHz-QPSK-26047-1RB#0



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Band25-1.4MHz-QPSK-26047-6RB#0



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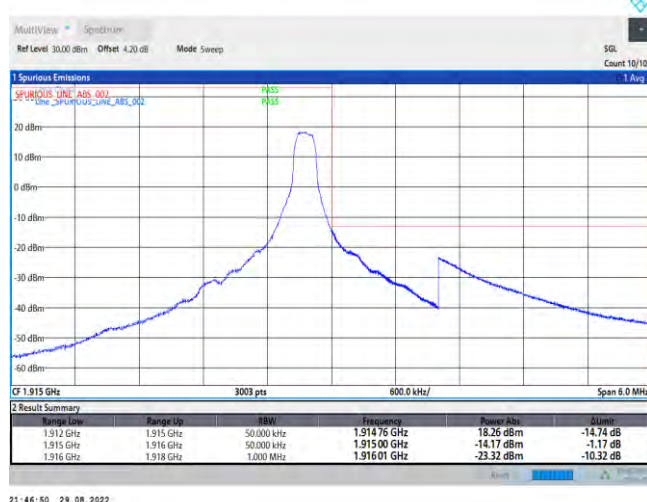
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Band25-1.4MHz-QPSK-26683-1RB#5



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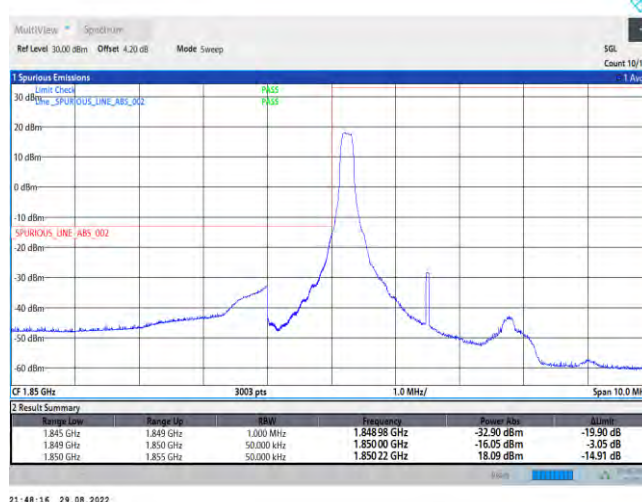
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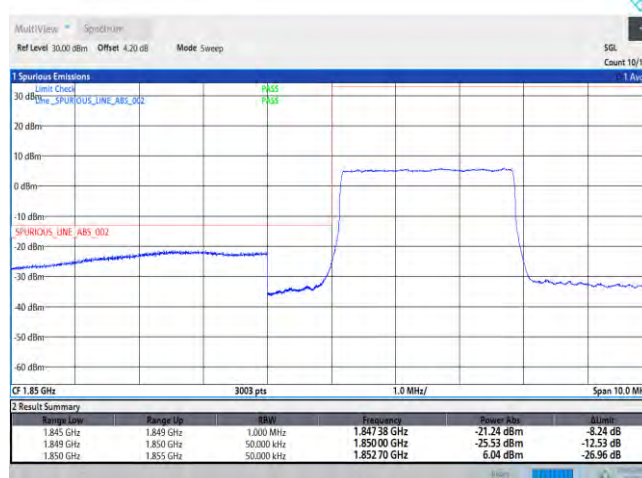
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Band25-3MHz-QPSK-26055-15RB#0



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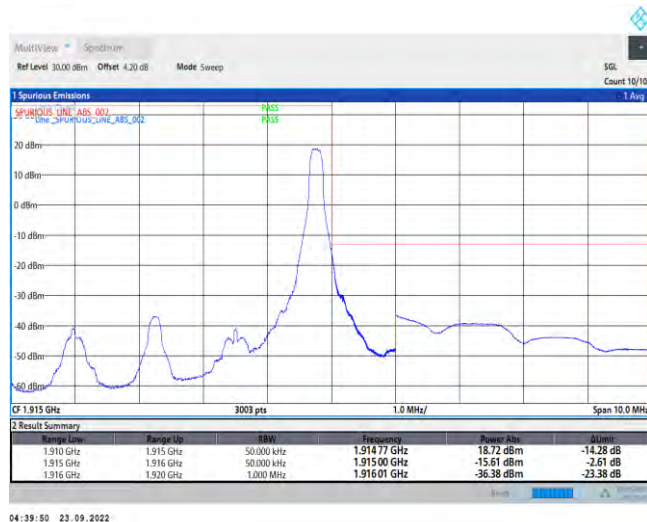
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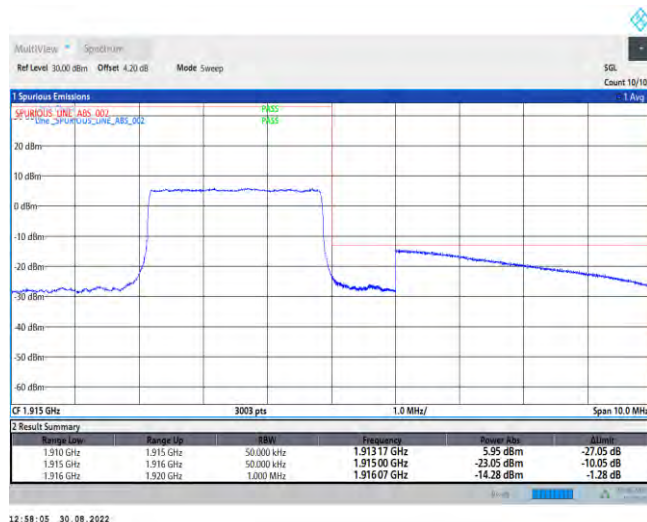
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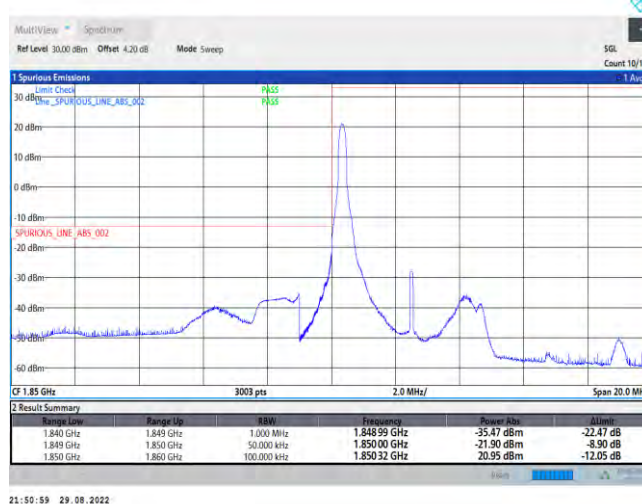
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Band25-5MHz-QPSK-26065-1RB#0



Band25-5MHz-QPSK-26065-25RB#0



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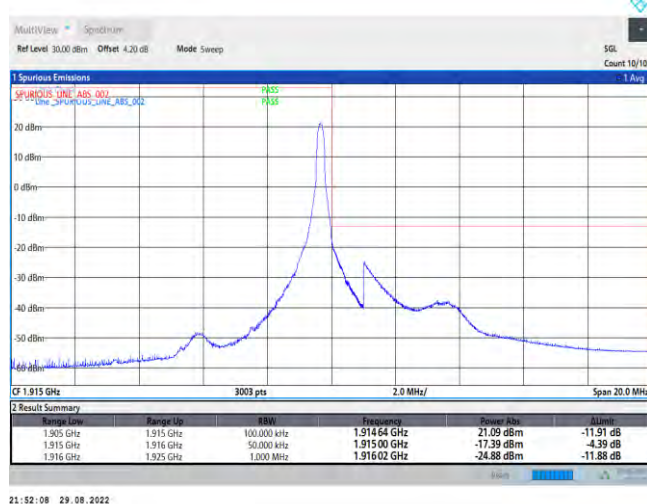
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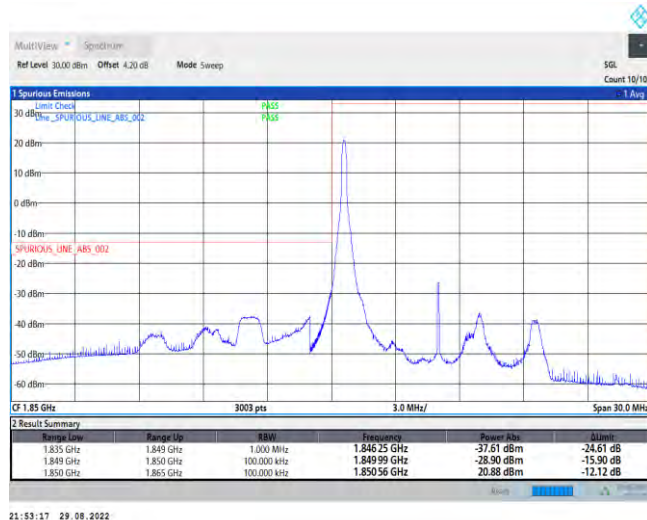
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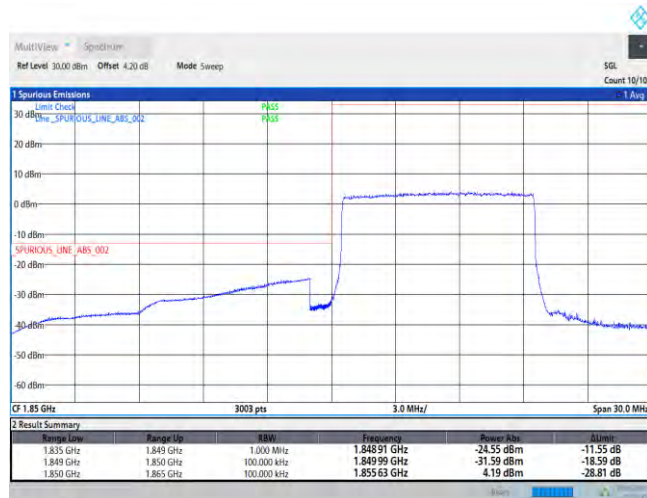
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Band25-10MHz-QPSK-26090-1RB#0



21:53:17 29.08.2022

Band25-10MHz-QPSK-26090-50RB#0



21:53:41 29.08.2022



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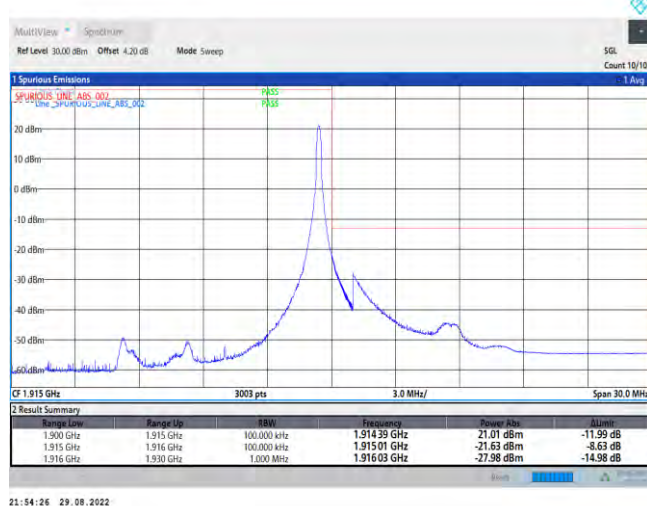
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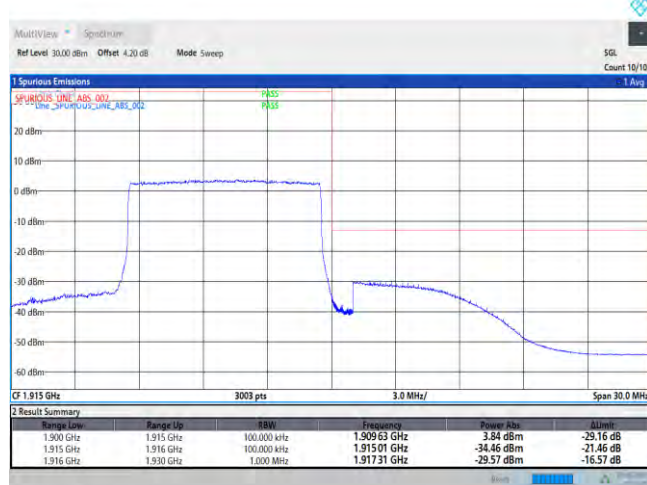
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Band25-10MHz-QPSK-26640-1RB#49



21:54:26 29.08.2022

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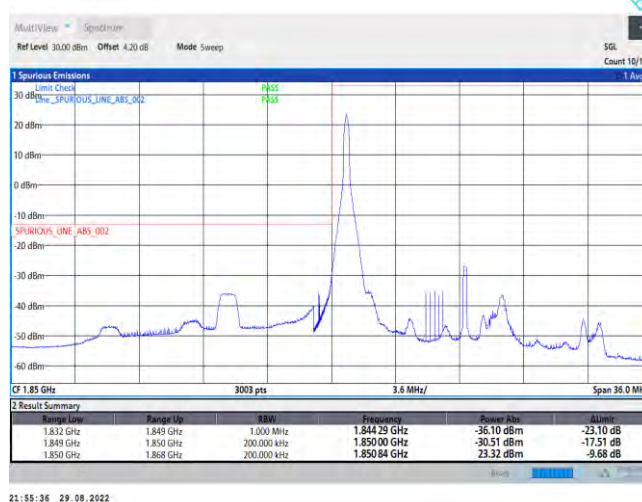
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Band25-15MHz-QPSK-26115-1RB#0



21:55:36 29.08.2022

Band25-15MHz-QPSK-26115-75RB#0



21:56:00 29.08.2022



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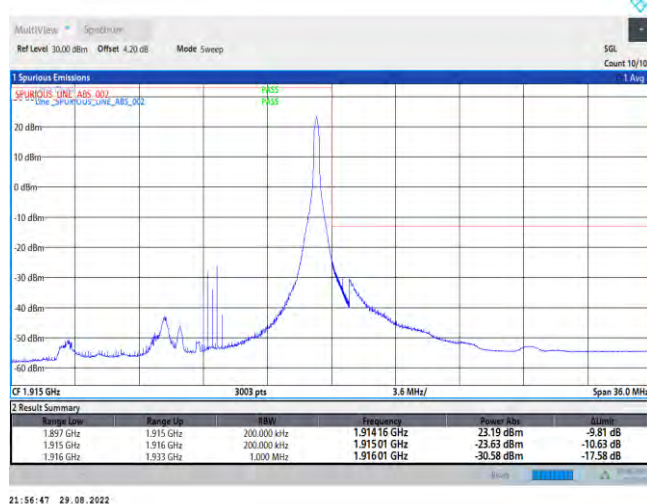
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Band25-15MHz-QPSK-26615-1RB#74



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Band25-15MHz-QPSK-26615-75RB#0



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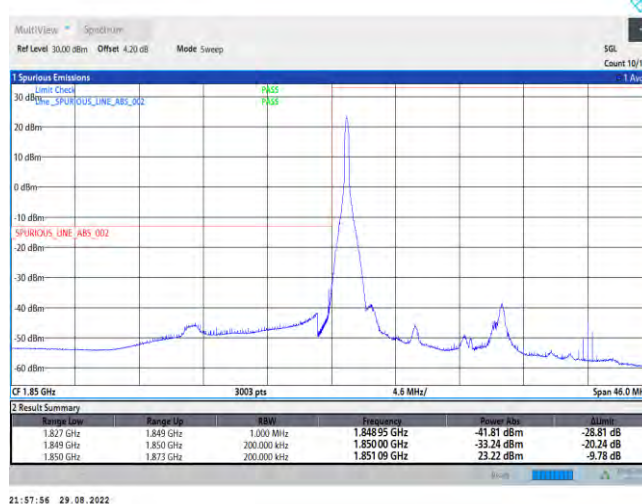
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21:57:56 29.08.2022

Band25-20MHz-QPSK-26140-100RB#0



21:58:19 29.08.2022



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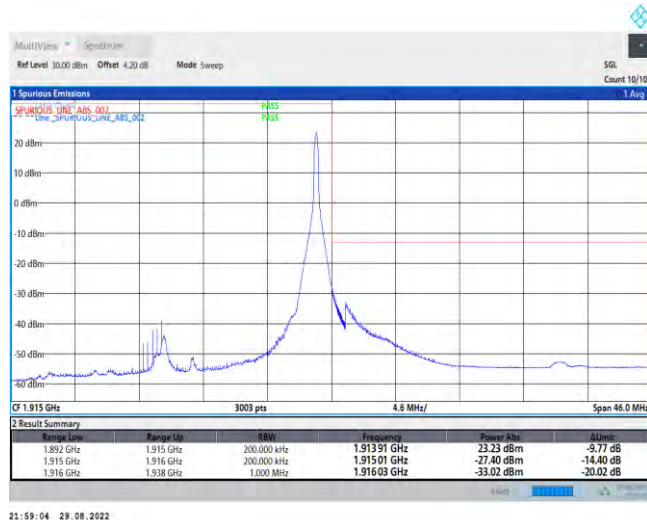
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Band25-20MHz-QPSK-26590-1RB#99



Band25-20MHz-QPSK-26590-100RB#0



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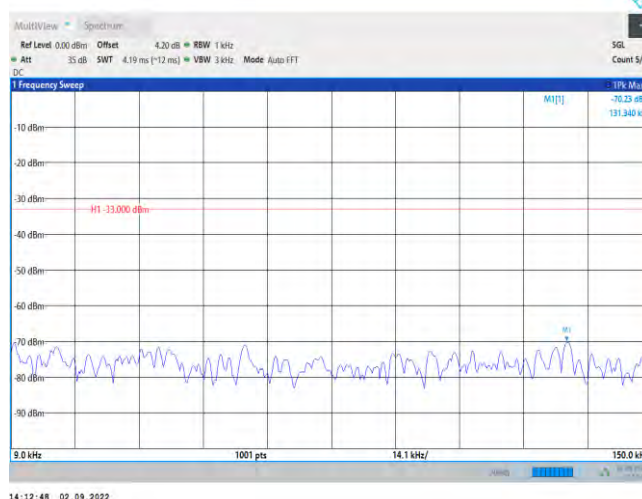
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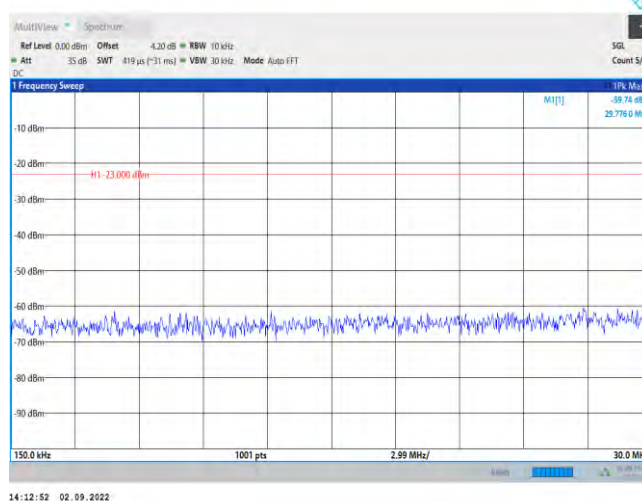
Conducted Spurious Emission

Test Graphs

Band25-20MHz-QPSK-26140-1RB#0-Range1:0.009~0.15MHz



Band25-20MHz-QPSK-26140-1RB#0-Range2:0.15~30MHz



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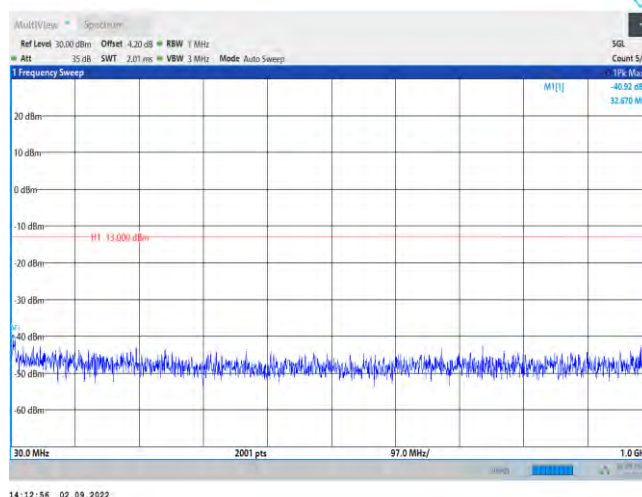
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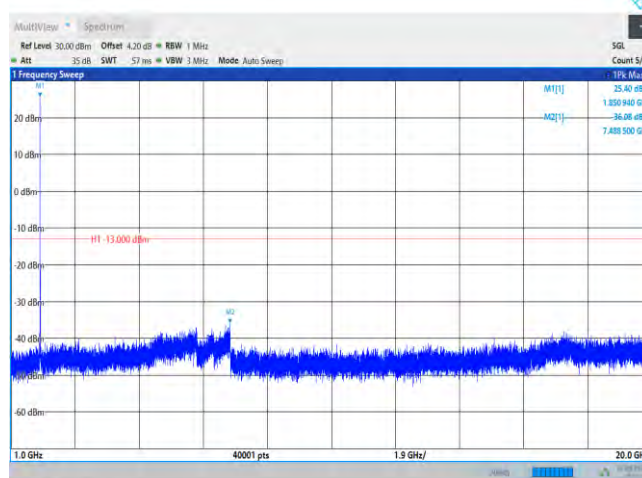
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Band25-20MHz-QPSK-26140-1RB#0-Range3:30~1000MHz



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Band25-20MHz-QPSK-26140-1RB#0-Range4:1000~20000MHz



14:13:00 02.09.2022



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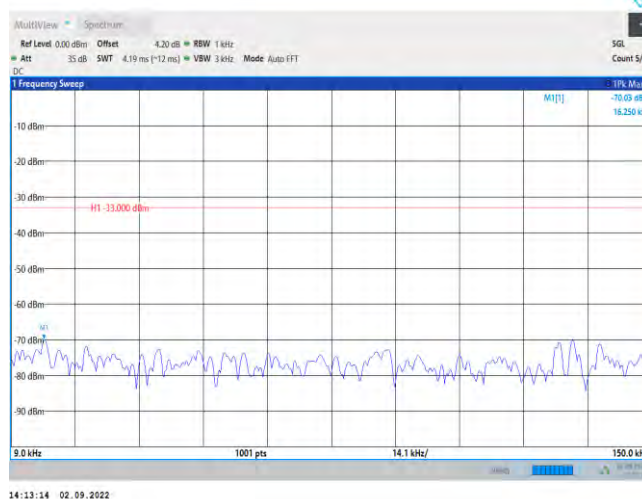
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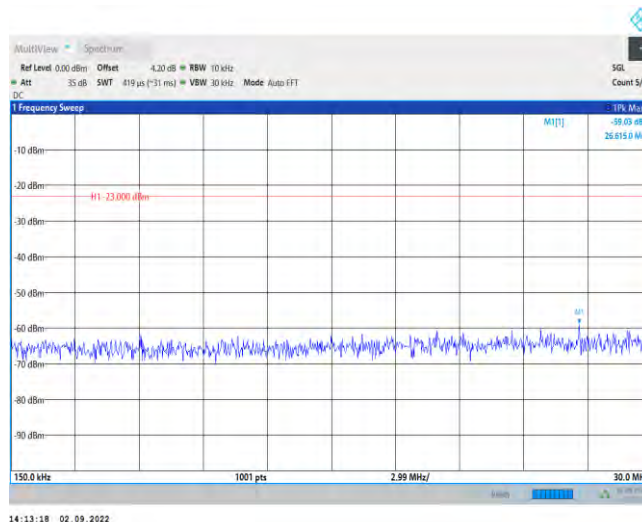
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Band25-20MHz-QPSK-26365-1RB#0-Range1:0.009~0.15MHz



Band25-20MHz-QPSK-26365-1RB#0-Range2:0.15~30MHz



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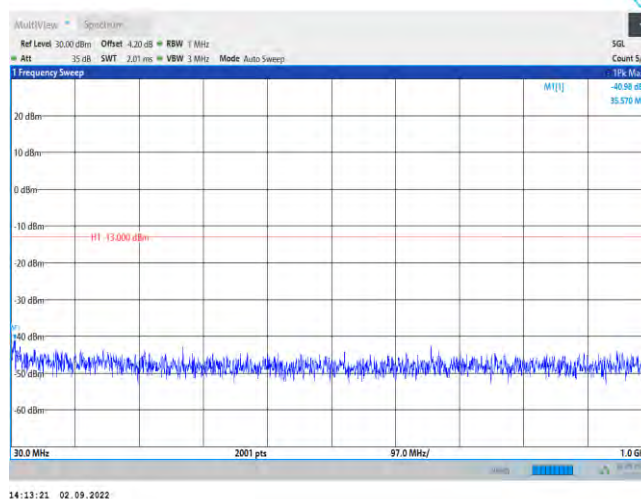
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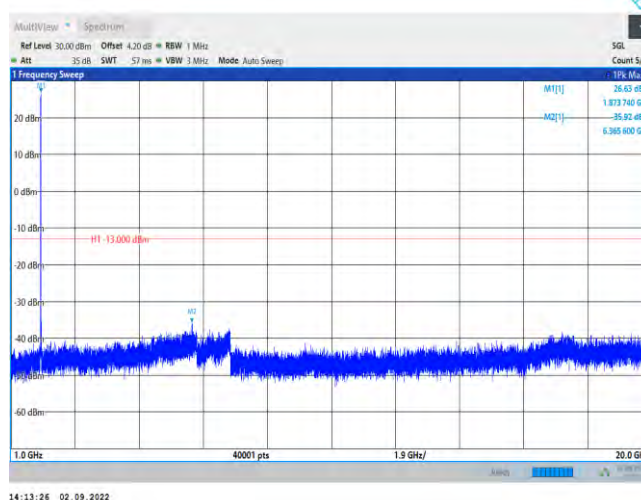
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Band25-20MHz-QPSK-26365-1RB#0-Range3:30~1000MHz



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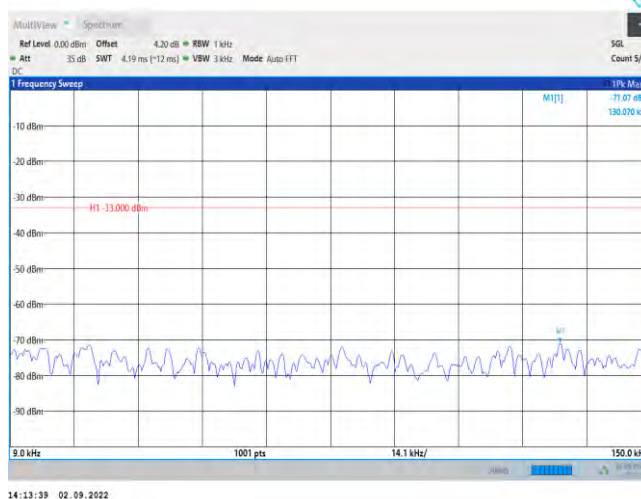
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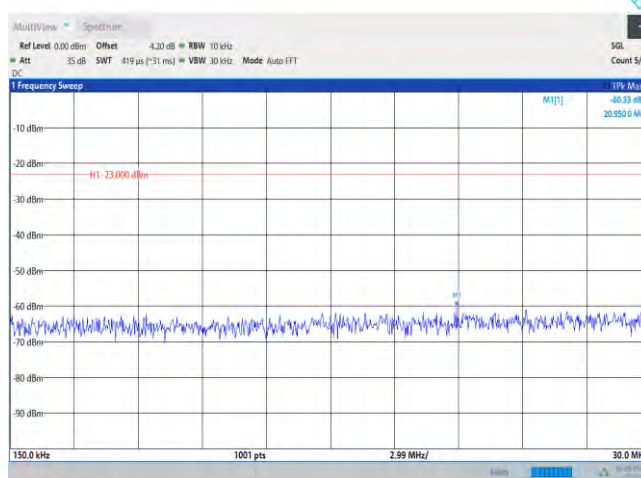
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Band25-20MHz-QPSK-26590-1RB#0-Range1:0.009~0.15MHz



14:13:39 02.09.2022

Band25-20MHz-QPSK-26590-1RB#0-Range2:0.15~30MHz



14:13:43 02.09.2022



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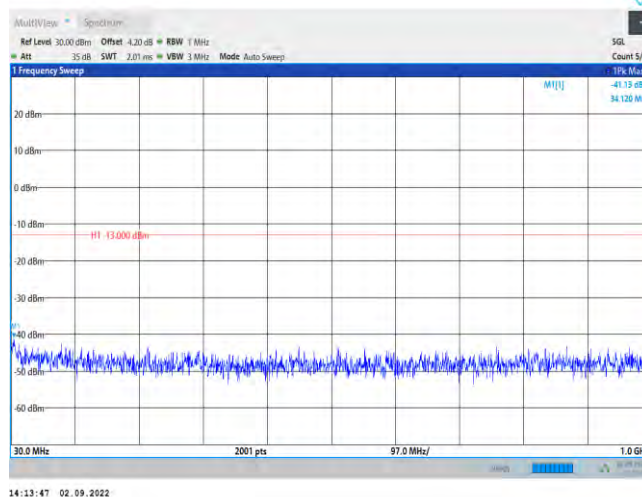
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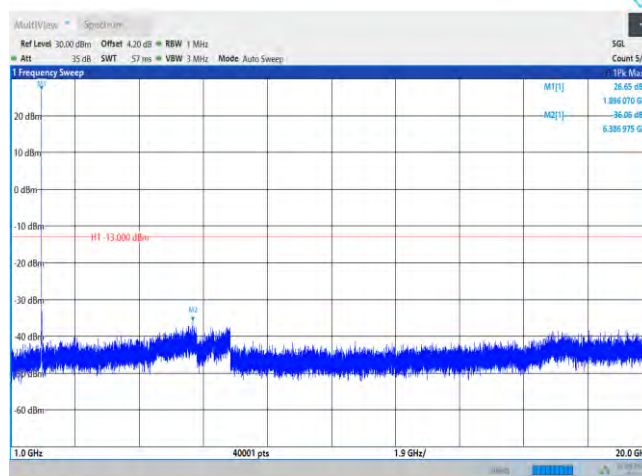
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Band25-20MHz-QPSK-26590-1RB#0-Range3:30~1000MHz



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Band25-20MHz-QPSK-26590-1RB#0-Range4:1000~20000MHz



14:13:51 02.09.2022



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Field Strength of Spurious Radiation

Test Band = LTE Band 25_ 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	51.01	-45.69	29.89	-60.06	-13.00	47.06	142	324	Horizontal
2	5553.27	49.48	-43.87	32.77	-56.88	-13.00	43.88	265	74	Horizontal
3	7404.36	47.65	-41.96	36.44	-53.13	-13.00	40.13	287	156	Horizontal
4	9255.45	46.49	-38.39	38.57	-48.59	-13.00	35.59	163	97	Horizontal
5	11106.54	42.23	-35.35	39.49	-48.89	-13.00	35.89	295	110	Horizontal
6	12957.63	42.97	-34.89	39.56	-47.63	-13.00	34.63	201	265	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	53.04	-45.69	29.89	-58.03	-13.00	45.03	142	242	Vertical
2	5553.27	49.46	-43.87	32.77	-56.90	-13.00	43.90	263	97	Vertical
3	7404.36	48.66	-41.96	36.44	-52.12	-13.00	39.12	285	37	Vertical
4	9255.45	46.35	-38.39	38.57	-48.73	-13.00	35.73	241	315	Vertical
5	11106.54	41.67	-35.35	39.49	-49.45	-13.00	36.45	163	360	Vertical
6	12957.63	42.26	-34.89	39.56	-48.34	-13.00	35.34	201	122	Vertical



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Test Band = LTE Band 25_ 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	50.32	-45.59	29.98	-60.54	-13.00	47.54	162	228	Horizontal
2	5613.27	50.38	-43.84	32.96	-55.76	-13.00	42.76	284	169	Horizontal
3	7484.36	47.88	-41.66	36.49	-52.55	-13.00	39.55	175	345	Horizontal
4	9355.45	46.99	-38.26	38.56	-47.97	-13.00	34.97	201	205	Horizontal
5	11226.54	43.06	-35.07	39.37	-47.89	-13.00	34.89	163	39	Horizontal
6	13097.63	43.44	-34.47	39.66	-46.63	-13.00	33.63	226	75	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	51.02	-45.59	29.98	-59.84	-13.00	46.84	142	110	Vertical
2	5613.27	49.37	-43.84	32.96	-56.77	-13.00	43.77	265	49	Vertical
3	7484.36	49.29	-41.66	36.49	-51.14	-13.00	38.14	284	85	Vertical
4	9355.45	46.16	-38.26	38.56	-48.80	-13.00	35.80	176	49	Vertical
5	11226.54	43.31	-35.07	39.37	-47.64	-13.00	34.64	366	252	Vertical
6	13097.63	42.22	-34.47	39.66	-47.85	-13.00	34.85	201	263	Vertical



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Test Band = LTE Band 25_ 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	3792.18	51.49	-45.45	30.10	-59.12	-13.00	46.12	142	312	Horizontal
2	5688.27	49.46	-43.75	33.20	-56.35	-13.00	43.35	269	346	Horizontal
3	7584.36	49.09	-41.31	36.67	-50.81	-13.00	37.81	145	37	Horizontal
4	9480.45	43.79	-38.15	38.55	-51.07	-13.00	38.07	266	346	Horizontal
5	11376.54	41.85	-35.48	39.22	-49.67	-13.00	36.67	220	288	Horizontal
6	13272.63	43.61	-35.12	39.76	-47.00	-13.00	34.00	142	121	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	3792.18	52.77	-45.45	30.10	-57.84	-13.00	44.84	142	228	Vertical
2	5688.27	49.68	-43.75	33.20	-56.13	-13.00	43.13	263	48	Vertical
3	7584.36	49.27	-41.31	36.67	-50.63	-13.00	37.63	295	192	Vertical
4	9480.45	45.75	-38.15	38.55	-49.11	-13.00	36.11	284	348	Vertical
5	11376.54	41.76	-35.48	39.22	-49.76	-13.00	36.76	176	107	Vertical
6	13272.63	43.30	-35.12	39.76	-47.31	-13.00	34.31	201	84	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
Band25	20MHz	QPSK	26365	100RB#0	VL	NT	2.10	0.001116	PASS
Band25	20MHz	QPSK	26365	100RB#0	VN	NT	-1.40	-0.000744	PASS
Band25	20MHz	QPSK	26365	100RB#0	VH	NT	-9.70	-0.005153	PASS

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band25	20MHz	QPSK	26365	100RB#0	NV	-30	5.40	0.002869	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	-20	-7.00	-0.003718	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	-10	6.20	0.003293	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	0	9.10	0.004834	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	10	-5.30	-0.002815	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	20	3.40	0.001806	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	30	-7.00	-0.003718	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	40	-11.00	-0.005843	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	50	-2.80	-0.001487	PASS

---End of Attachment---



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