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Appendix B.9

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	22.85	24.44	33	PASS
Band25	1.4MHz	QPSK	26047	1RB#2	22.68	24.27	33	PASS
Band25	1.4MHz	QPSK	26047	1RB#5	22.73	24.32	33	PASS
Band25	1.4MHz	QPSK	26047	6RB#0	21.82	23.41	33	PASS
Band25	1.4MHz	QPSK	26365	1RB#0	22.63	24.22	33	PASS
Band25	1.4MHz	QPSK	26365	1RB#2	22.68	24.27	33	PASS
Band25	1.4MHz	QPSK	26365	1RB#5	22.62	24.21	33	PASS
Band25	1.4MHz	QPSK	26365	6RB#0	21.89	23.48	33	PASS
Band25	1.4MHz	QPSK	26683	1RB#0	22.59	24.18	33	PASS
Band25	1.4MHz	QPSK	26683	1RB#2	22.67	24.26	33	PASS
Band25	1.4MHz	QPSK	26683	1RB#5	22.71	24.3	33	PASS
Band25	1.4MHz	QPSK	26683	6RB#0	21.73	23.32	33	PASS
Band25	1.4MHz	16QAM	26047	1RB#0	21.43	23.02	33	PASS
Band25	1.4MHz	16QAM	26047	1RB#2	21.71	23.3	33	PASS
Band25	1.4MHz	16QAM	26047	1RB#5	21.86	23.45	33	PASS
Band25	1.4MHz	16QAM	26047	6RB#0	20.91	22.5	33	PASS
Band25	1.4MHz	16QAM	26365	1RB#0	21.35	22.94	33	PASS
Band25	1.4MHz	16QAM	26365	1RB#2	21.51	23.1	33	PASS
Band25	1.4MHz	16QAM	26365	1RB#5	21.86	23.45	33	PASS
Band25	1.4MHz	16QAM	26365	6RB#0	20.94	22.53	33	PASS
Band25	1.4MHz	16QAM	26683	1RB#0	21.43	23.02	33	PASS
Band25	1.4MHz	16QAM	26683	1RB#2	21.53	23.12	33	PASS
Band25	1.4MHz	16QAM	26683	1RB#5	20.85	22.44	33	PASS
Band25	1.4MHz	16QAM	26683	6RB#0	20.64	22.23	33	PASS
Band25	1.4MHz	64QAM	26047	1RB#0	20.76	22.35	33	PASS
Band25	1.4MHz	64QAM	26047	1RB#2	21.13	22.72	33	PASS
Band25	1.4MHz	64QAM	26047	1RB#5	20.59	22.18	33	PASS



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Band25	1.4MHz	64QAM	26047	6RB#0	19.79	21.38	33	PASS
Band25	1.4MHz	64QAM	26365	1RB#0	20.68	22.27	33	PASS
Band25	1.4MHz	64QAM	26365	1RB#2	20.8	22.39	33	PASS
Band25	1.4MHz	64QAM	26365	1RB#5	20.64	22.23	33	PASS
Band25	1.4MHz	64QAM	26365	6RB#0	19.82	21.41	33	PASS
Band25	1.4MHz	64QAM	26683	1RB#0	20.92	22.51	33	PASS
Band25	1.4MHz	64QAM	26683	1RB#2	20.85	22.44	33	PASS
Band25	1.4MHz	64QAM	26683	1RB#5	20.52	22.11	33	PASS
Band25	1.4MHz	64QAM	26683	6RB#0	19.81	21.4	33	PASS
Band25	3MHz	QPSK	26055	1RB#0	22.75	24.34	33	PASS
Band25	3MHz	QPSK	26055	1RB#8	22.82	24.41	33	PASS
Band25	3MHz	QPSK	26055	1RB#14	22.75	24.34	33	PASS
Band25	3MHz	QPSK	26055	15RB#0	21.81	23.4	33	PASS
Band25	3MHz	QPSK	26365	1RB#0	22.75	24.34	33	PASS
Band25	3MHz	QPSK	26365	1RB#8	22.8	24.39	33	PASS
Band25	3MHz	QPSK	26365	1RB#14	22.77	24.36	33	PASS
Band25	3MHz	QPSK	26365	15RB#0	21.72	23.31	33	PASS
Band25	3MHz	QPSK	26675	1RB#0	22.84	24.43	33	PASS
Band25	3MHz	QPSK	26675	1RB#8	22.69	24.28	33	PASS
Band25	3MHz	QPSK	26675	1RB#14	22.94	24.53	33	PASS
Band25	3MHz	QPSK	26675	15RB#0	21.9	23.49	33	PASS
Band25	3MHz	16QAM	26055	1RB#0	21.17	22.76	33	PASS
Band25	3MHz	16QAM	26055	1RB#8	21.25	22.84	33	PASS
Band25	3MHz	16QAM	26055	1RB#14	21.69	23.28	33	PASS
Band25	3MHz	16QAM	26055	15RB#0	20.9	22.49	33	PASS
Band25	3MHz	16QAM	26365	1RB#0	21.72	23.31	33	PASS
Band25	3MHz	16QAM	26365	1RB#8	21.72	23.31	33	PASS
Band25	3MHz	16QAM	26365	1RB#14	21.25	22.84	33	PASS
Band25	3MHz	16QAM	26365	15RB#0	20.62	22.21	33	PASS
Band25	3MHz	16QAM	26675	1RB#0	21.77	23.36	33	PASS
Band25	3MHz	16QAM	26675	1RB#8	21.81	23.4	33	PASS
Band25	3MHz	16QAM	26675	1RB#14	21.35	22.94	33	PASS



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Band25	3MHz	16QAM	26675	15RB#0	21.07	22.66	33	PASS
Band25	3MHz	64QAM	26055	1RB#0	20.62	22.21	33	PASS
Band25	3MHz	64QAM	26055	1RB#8	20.89	22.48	33	PASS
Band25	3MHz	64QAM	26055	1RB#14	20.88	22.47	33	PASS
Band25	3MHz	64QAM	26055	15RB#0	19.76	21.35	33	PASS
Band25	3MHz	64QAM	26365	1RB#0	20.61	22.2	33	PASS
Band25	3MHz	64QAM	26365	1RB#8	20.58	22.17	33	PASS
Band25	3MHz	64QAM	26365	1RB#14	20.7	22.29	33	PASS
Band25	3MHz	64QAM	26365	15RB#0	19.84	21.43	33	PASS
Band25	3MHz	64QAM	26675	1RB#0	20.94	22.53	33	PASS
Band25	3MHz	64QAM	26675	1RB#8	20.56	22.15	33	PASS
Band25	3MHz	64QAM	26675	1RB#14	20.87	22.46	33	PASS
Band25	3MHz	64QAM	26675	15RB#0	20.1	21.69	33	PASS
Band25	5MHz	QPSK	26065	1RB#0	22.64	24.23	33	PASS
Band25	5MHz	QPSK	26065	1RB#12	22.94	24.53	33	PASS
Band25	5MHz	QPSK	26065	1RB#24	22.76	24.35	33	PASS
Band25	5MHz	QPSK	26065	25RB#0	21.88	23.47	33	PASS
Band25	5MHz	QPSK	26365	1RB#0	22.55	24.14	33	PASS
Band25	5MHz	QPSK	26365	1RB#12	22.72	24.31	33	PASS
Band25	5MHz	QPSK	26365	1RB#24	22.45	24.04	33	PASS
Band25	5MHz	QPSK	26365	25RB#0	21.73	23.32	33	PASS
Band25	5MHz	QPSK	26665	1RB#0	22.46	24.05	33	PASS
Band25	5MHz	QPSK	26665	1RB#12	22.8	24.39	33	PASS
Band25	5MHz	QPSK	26665	1RB#24	22.58	24.17	33	PASS
Band25	5MHz	QPSK	26665	25RB#0	21.96	23.55	33	PASS
Band25	5MHz	16QAM	26065	1RB#0	21.58	23.17	33	PASS
Band25	5MHz	16QAM	26065	1RB#12	21.84	23.43	33	PASS
Band25	5MHz	16QAM	26065	1RB#24	21.32	22.91	33	PASS
Band25	5MHz	16QAM	26065	25RB#0	21.04	22.63	33	PASS
Band25	5MHz	16QAM	26365	1RB#0	21.36	22.95	33	PASS
Band25	5MHz	16QAM	26365	1RB#12	21.95	23.54	33	PASS
Band25	5MHz	16QAM	26365	1RB#24	21.1	22.69	33	PASS



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Band25	5MHz	16QAM	26365	25RB#0	20.87	22.46	33	PASS
Band25	5MHz	16QAM	26665	1RB#0	21.17	22.76	33	PASS
Band25	5MHz	16QAM	26665	1RB#12	21.42	23.01	33	PASS
Band25	5MHz	16QAM	26665	1RB#24	21.77	23.36	33	PASS
Band25	5MHz	16QAM	26665	25RB#0	20.93	22.52	33	PASS
Band25	5MHz	64QAM	26065	1RB#0	20.85	22.44	33	PASS
Band25	5MHz	64QAM	26065	1RB#12	21.01	22.6	33	PASS
Band25	5MHz	64QAM	26065	1RB#24	21.08	22.67	33	PASS
Band25	5MHz	64QAM	26065	25RB#0	19.97	21.56	33	PASS
Band25	5MHz	64QAM	26365	1RB#0	20.69	22.28	33	PASS
Band25	5MHz	64QAM	26365	1RB#12	20.87	22.46	33	PASS
Band25	5MHz	64QAM	26365	1RB#24	20.6	22.19	33	PASS
Band25	5MHz	64QAM	26365	25RB#0	19.73	21.32	33	PASS
Band25	5MHz	64QAM	26665	1RB#0	20.51	22.1	33	PASS
Band25	5MHz	64QAM	26665	1RB#12	20.86	22.45	33	PASS
Band25	5MHz	64QAM	26665	1RB#24	20.62	22.21	33	PASS
Band25	5MHz	64QAM	26665	25RB#0	20.13	21.72	33	PASS
Band25	10MHz	QPSK	26090	1RB#0	22.76	24.35	33	PASS
Band25	10MHz	QPSK	26090	1RB#24	22.87	24.46	33	PASS
Band25	10MHz	QPSK	26090	1RB#49	22.82	24.41	33	PASS
Band25	10MHz	QPSK	26090	50RB#0	21.92	23.51	33	PASS
Band25	10MHz	QPSK	26365	1RB#0	22.84	24.43	33	PASS
Band25	10MHz	QPSK	26365	1RB#24	22.74	24.33	33	PASS
Band25	10MHz	QPSK	26365	1RB#49	22.55	24.14	33	PASS
Band25	10MHz	QPSK	26365	50RB#0	21.86	23.45	33	PASS
Band25	10MHz	QPSK	26640	1RB#0	22.94	24.53	33	PASS
Band25	10MHz	QPSK	26640	1RB#24	23.03	24.62	33	PASS
Band25	10MHz	QPSK	26640	1RB#49	22.8	24.39	33	PASS
Band25	10MHz	QPSK	26640	50RB#0	21.9	23.49	33	PASS
Band25	10MHz	16QAM	26090	1RB#0	21.52	23.11	33	PASS
Band25	10MHz	16QAM	26090	1RB#24	21.48	23.07	33	PASS
Band25	10MHz	16QAM	26090	1RB#49	21.47	23.06	33	PASS



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Band25	10MHz	16QAM	26365	1RB#0	21.42	23.01	33	PASS
Band25	10MHz	16QAM	26365	1RB#24	21.34	22.93	33	PASS
Band25	10MHz	16QAM	26365	1RB#49	21.24	22.83	33	PASS
Band25	10MHz	16QAM	26365	50RB#0	20.93	22.52	33	PASS
Band25	10MHz	16QAM	26640	1RB#0	21.15	22.74	33	PASS
Band25	10MHz	16QAM	26640	1RB#24	21.44	23.03	33	PASS
Band25	10MHz	16QAM	26640	1RB#49	21.5	23.09	33	PASS
Band25	10MHz	16QAM	26640	50RB#0	20.91	22.5	33	PASS
Band25	10MHz	64QAM	26090	1RB#0	20.56	22.15	33	PASS
Band25	10MHz	64QAM	26090	1RB#24	21.25	22.84	33	PASS
Band25	10MHz	64QAM	26090	1RB#49	20.99	22.58	33	PASS
Band25	10MHz	64QAM	26090	50RB#0	19.87	21.46	33	PASS
Band25	10MHz	64QAM	26365	1RB#0	20.64	22.23	33	PASS
Band25	10MHz	64QAM	26365	1RB#24	21.11	22.7	33	PASS
Band25	10MHz	64QAM	26365	1RB#49	20.59	22.18	33	PASS
Band25	10MHz	64QAM	26365	50RB#0	19.98	21.57	33	PASS
Band25	10MHz	64QAM	26640	1RB#0	20.63	22.22	33	PASS
Band25	10MHz	64QAM	26640	1RB#24	20.96	22.55	33	PASS
Band25	10MHz	64QAM	26640	1RB#49	20.77	22.36	33	PASS
Band25	10MHz	64QAM	26640	50RB#0	19.89	21.48	33	PASS
Band25	15MHz	QPSK	26115	1RB#0	22.63	24.22	33	PASS
Band25	15MHz	QPSK	26115	1RB#38	22.69	24.28	33	PASS
Band25	15MHz	QPSK	26115	1RB#74	22.77	24.36	33	PASS
Band25	15MHz	QPSK	26115	75RB#0	21.83	23.42	33	PASS
Band25	15MHz	QPSK	26365	1RB#0	22.49	24.08	33	PASS
Band25	15MHz	QPSK	26365	1RB#38	22.86	24.45	33	PASS
Band25	15MHz	QPSK	26365	1RB#74	22.57	24.16	33	PASS
Band25	15MHz	QPSK	26365	75RB#0	21.88	23.47	33	PASS
Band25	15MHz	QPSK	26615	1RB#0	22.48	24.07	33	PASS
Band25	15MHz	QPSK	26615	1RB#38	22.88	24.47	33	PASS
Band25	15MHz	QPSK	26615	1RB#74	22.7	24.29	33	PASS



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Band25	15MHz	16QAM	26115	1RB#0	21.51	23.1	33	PASS
Band25	15MHz	16QAM	26115	1RB#38	22.01	23.6	33	PASS
Band25	15MHz	16QAM	26115	1RB#74	20.91	22.5	33	PASS
Band25	15MHz	16QAM	26115	75RB#0	20.8	22.39	33	PASS
Band25	15MHz	16QAM	26365	1RB#0	21.51	23.1	33	PASS
Band25	15MHz	16QAM	26365	1RB#38	21.48	23.07	33	PASS
Band25	15MHz	16QAM	26365	1RB#74	21.1	22.69	33	PASS
Band25	15MHz	16QAM	26365	75RB#0	20.94	22.53	33	PASS
Band25	15MHz	16QAM	26615	1RB#0	21.33	22.92	33	PASS
Band25	15MHz	16QAM	26615	1RB#38	22.07	23.66	33	PASS
Band25	15MHz	16QAM	26615	1RB#74	21.46	23.05	33	PASS
Band25	15MHz	16QAM	26615	75RB#0	20.81	22.4	33	PASS
Band25	15MHz	64QAM	26115	1RB#0	20.53	22.12	33	PASS
Band25	15MHz	64QAM	26115	1RB#38	20.68	22.27	33	PASS
Band25	15MHz	64QAM	26115	1RB#74	20.59	22.18	33	PASS
Band25	15MHz	64QAM	26115	75RB#0	19.53	21.12	33	PASS
Band25	15MHz	64QAM	26365	1RB#0	20.97	22.56	33	PASS
Band25	15MHz	64QAM	26365	1RB#38	20.75	22.34	33	PASS
Band25	15MHz	64QAM	26365	1RB#74	20.84	22.43	33	PASS
Band25	15MHz	64QAM	26365	75RB#0	19.88	21.47	33	PASS
Band25	15MHz	64QAM	26615	1RB#0	20.59	22.18	33	PASS
Band25	15MHz	64QAM	26615	1RB#38	21.06	22.65	33	PASS
Band25	15MHz	64QAM	26615	1RB#74	20.99	22.58	33	PASS
Band25	15MHz	64QAM	26615	75RB#0	19.78	21.37	33	PASS
Band25	20MHz	QPSK	26140	1RB#0	22.79	24.38	33	PASS
Band25	20MHz	QPSK	26140	1RB#49	22.76	24.35	33	PASS
Band25	20MHz	QPSK	26140	1RB#99	22.58	24.17	33	PASS
Band25	20MHz	QPSK	26140	100RB#0	21.82	23.41	33	PASS
Band25	20MHz	QPSK	26365	1RB#0	22.86	24.45	33	PASS
Band25	20MHz	QPSK	26365	1RB#49	22.97	24.56	33	PASS
Band25	20MHz	QPSK	26365	1RB#99	22.5	24.09	33	PASS



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Band25	20MHz	QPSK	26365	100RB#0	21.85	23.44	33	PASS
Band25	20MHz	QPSK	26590	1RB#0	22.34	23.93	33	PASS
Band25	20MHz	QPSK	26590	1RB#49	22.78	24.37	33	PASS
Band25	20MHz	QPSK	26590	1RB#99	22.7	24.29	33	PASS
Band25	20MHz	QPSK	26590	100RB#0	21.8	23.39	33	PASS
Band25	20MHz	16QAM	26140	1RB#0	21.9	23.49	33	PASS
Band25	20MHz	16QAM	26140	1RB#49	21.87	23.46	33	PASS
Band25	20MHz	16QAM	26140	1RB#99	21.42	23.01	33	PASS
Band25	20MHz	16QAM	26140	100RB#0	20.76	22.35	33	PASS
Band25	20MHz	16QAM	26365	1RB#0	22.12	23.71	33	PASS
Band25	20MHz	16QAM	26365	1RB#49	22.34	23.93	33	PASS
Band25	20MHz	16QAM	26365	1RB#99	21.39	22.98	33	PASS
Band25	20MHz	16QAM	26365	100RB#0	20.9	22.49	33	PASS
Band25	20MHz	16QAM	26590	1RB#0	21.02	22.61	33	PASS
Band25	20MHz	16QAM	26590	1RB#49	21.92	23.51	33	PASS
Band25	20MHz	16QAM	26590	1RB#99	22.11	23.7	33	PASS
Band25	20MHz	16QAM	26590	100RB#0	20.8	22.39	33	PASS
Band25	20MHz	64QAM	26140	1RB#0	20.43	22.02	33	PASS
Band25	20MHz	64QAM	26140	1RB#49	21.04	22.63	33	PASS
Band25	20MHz	64QAM	26140	1RB#99	20.62	22.21	33	PASS
Band25	20MHz	64QAM	26140	100RB#0	19.68	21.27	33	PASS
Band25	20MHz	64QAM	26365	1RB#0	21.04	22.63	33	PASS
Band25	20MHz	64QAM	26365	1RB#49	21.19	22.78	33	PASS
Band25	20MHz	64QAM	26365	1RB#99	20.89	22.48	33	PASS
Band25	20MHz	64QAM	26365	100RB#0	19.94	21.53	33	PASS
Band25	20MHz	64QAM	26590	1RB#0	20.33	21.92	33	PASS
Band25	20MHz	64QAM	26590	1RB#49	20.85	22.44	33	PASS
Band25	20MHz	64QAM	26590	1RB#99	20.78	22.37	33	PASS
Band25	20MHz	64QAM	26590	100RB#0	19.89	21.48	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	4.88	13	PASS
Band25	20MHz	QPSK	26365	100RB#0	5.16	13	PASS
Band25	20MHz	QPSK	26590	100RB#0	5.16	13	PASS
Band25	20MHz	16QAM	26140	100RB#0	5.82	13	PASS
Band25	20MHz	16QAM	26365	100RB#0	6.00	13	PASS
Band25	20MHz	16QAM	26590	100RB#0	5.96	13	PASS
Band25	20MHz	64QAM	26140	100RB#0	6.42	13	PASS
Band25	20MHz	64QAM	26365	100RB#0	6.54	13	PASS
Band25	20MHz	64QAM	26590	100RB#0	6.46	13	PASS



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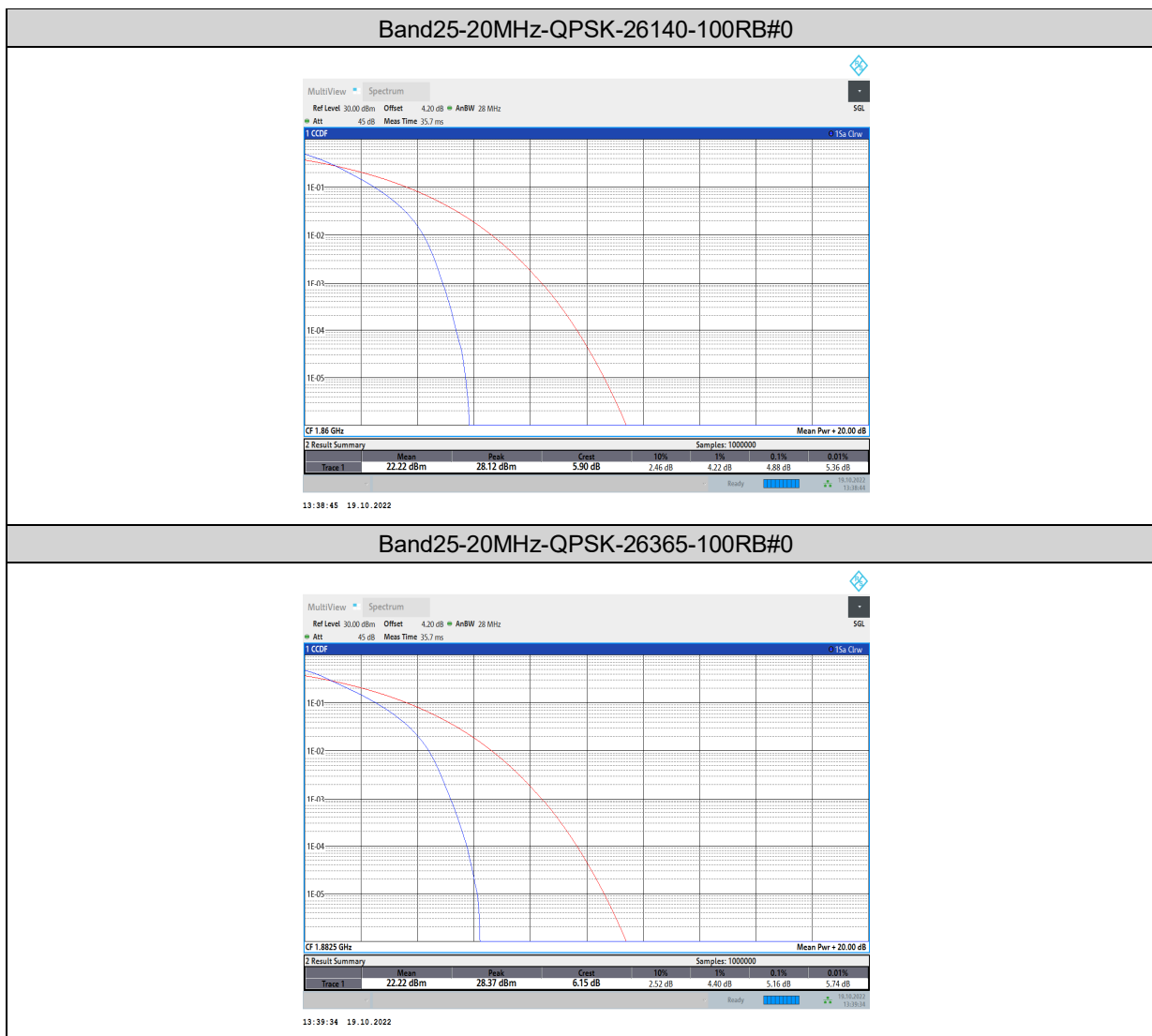
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Test Graphs



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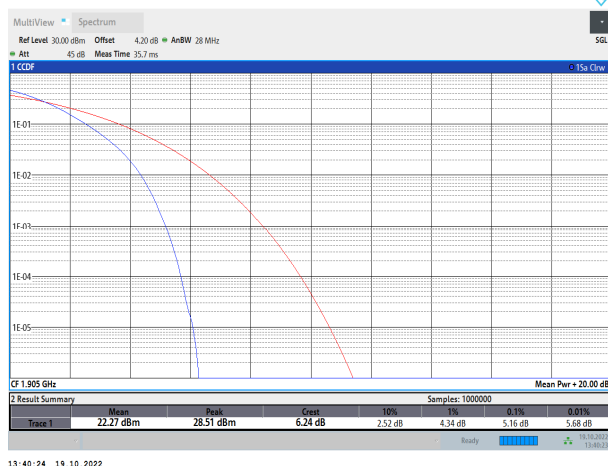
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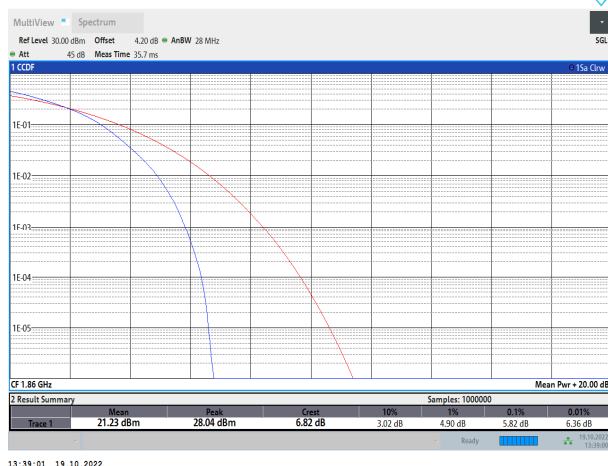
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Band25-20MHz-QPSK-26590-100RB#0



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



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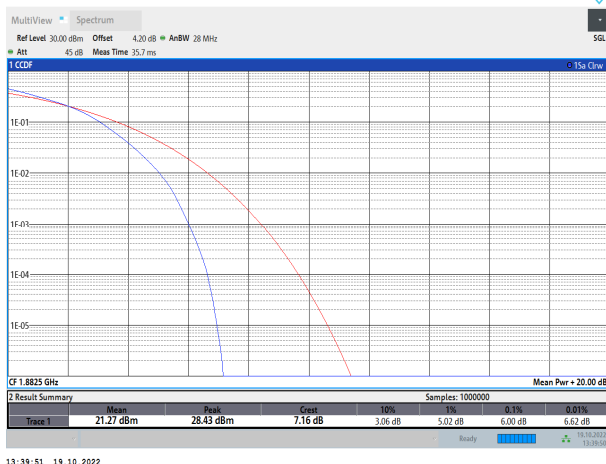
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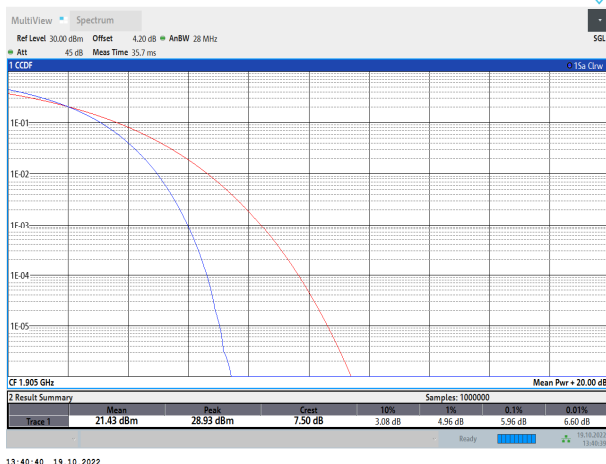
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Band25-20MHz-16QAM-26365-100RB#0



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



13:40:40 19.10.2022



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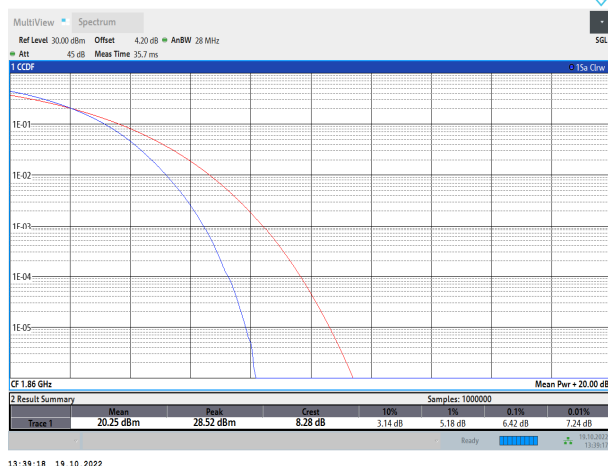
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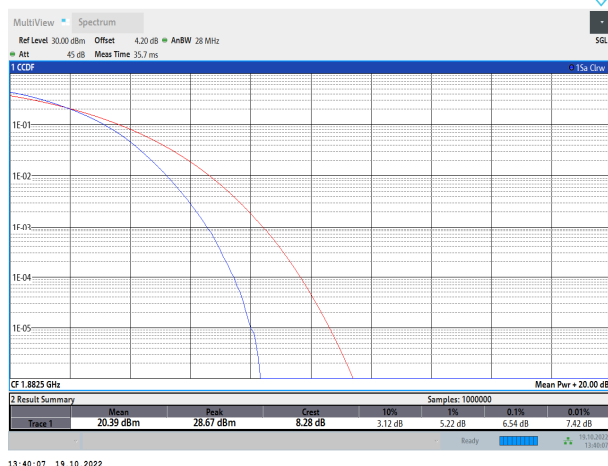
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Band25-20MHz-64QAM-26140-100RB#0



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



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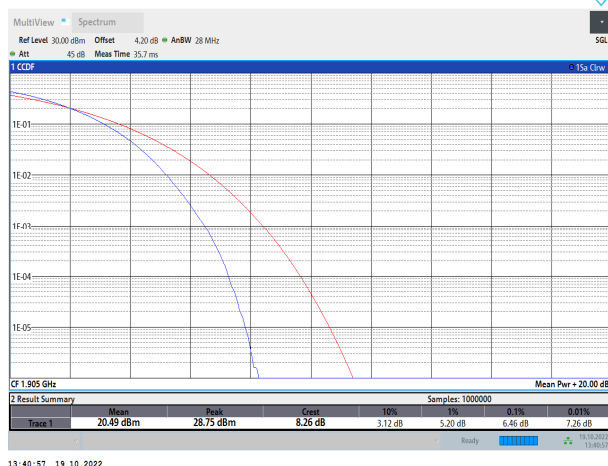
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Band25-20MHz-64QAM-26590-100RB#0



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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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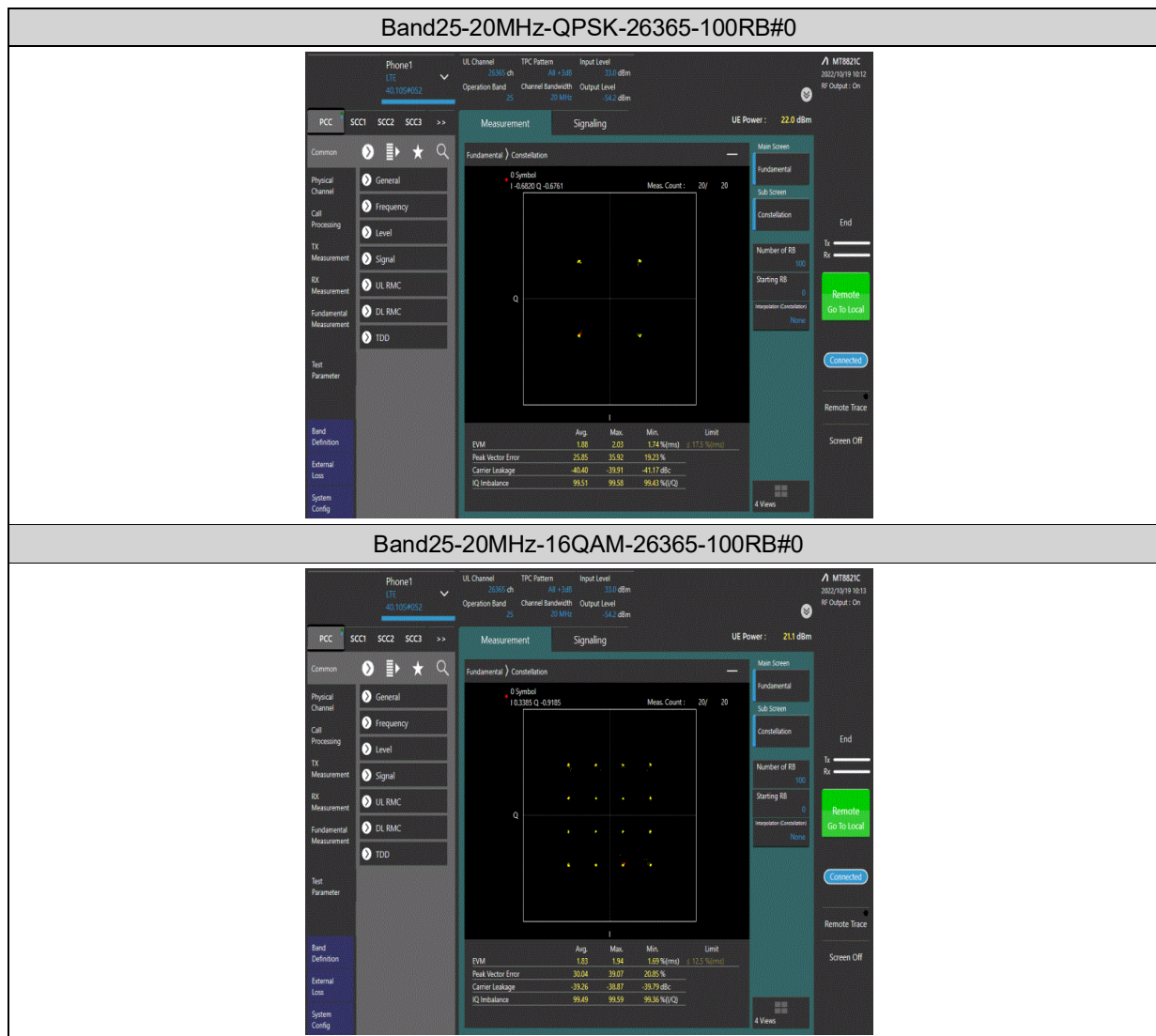
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Test Graphs

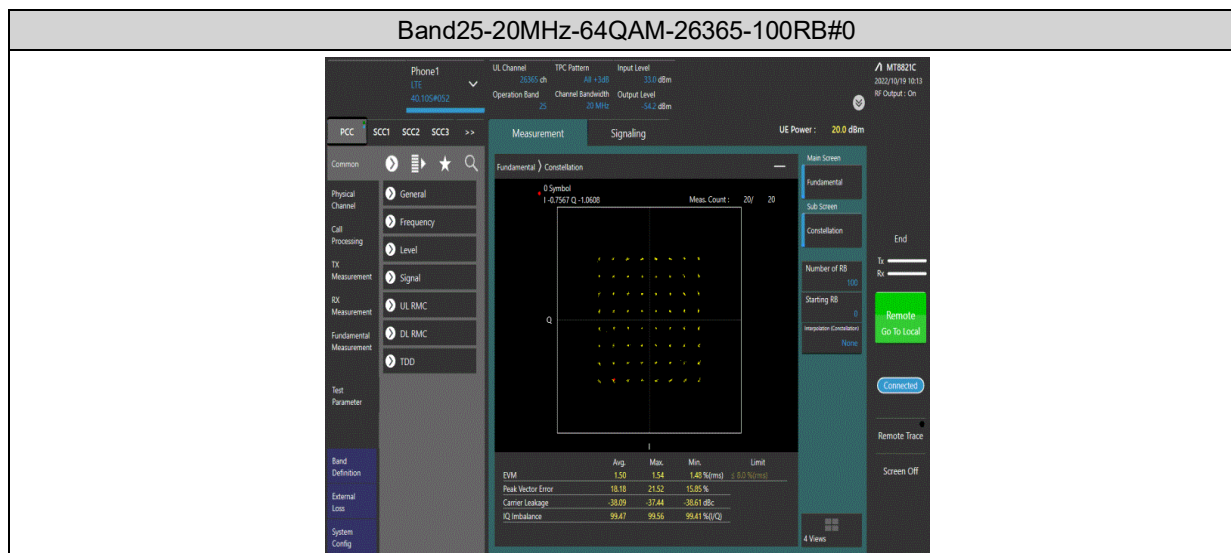


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26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band25	1.4MHz	QPSK	26047	6RB#0	1.086	1.28	PASS
Band25	1.4MHz	QPSK	26365	6RB#0	1.086	1.29	PASS
Band25	1.4MHz	QPSK	26683	6RB#0	1.087	1.30	PASS
Band25	1.4MHz	16QAM	26047	6RB#0	1.097	1.30	PASS
Band25	1.4MHz	16QAM	26365	6RB#0	1.096	1.28	PASS
Band25	1.4MHz	16QAM	26683	6RB#0	1.098	1.30	PASS
Band25	1.4MHz	64QAM	26047	6RB#0	1.096	1.30	PASS
Band25	1.4MHz	64QAM	26365	6RB#0	1.096	1.30	PASS
Band25	1.4MHz	64QAM	26683	6RB#0	1.097	1.31	PASS
Band25	3MHz	QPSK	26055	15RB#0	2.696	2.97	PASS
Band25	3MHz	QPSK	26365	15RB#0	2.693	2.97	PASS
Band25	3MHz	QPSK	26675	15RB#0	2.692	2.97	PASS
Band25	3MHz	16QAM	26055	15RB#0	2.689	2.98	PASS
Band25	3MHz	16QAM	26365	15RB#0	2.689	2.98	PASS
Band25	3MHz	16QAM	26675	15RB#0	2.688	2.96	PASS
Band25	3MHz	64QAM	26055	15RB#0	2.69	2.96	PASS
Band25	3MHz	64QAM	26365	15RB#0	2.691	2.96	PASS
Band25	3MHz	64QAM	26675	15RB#0	2.688	2.95	PASS
Band25	5MHz	QPSK	26065	25RB#0	4.468	4.89	PASS
Band25	5MHz	QPSK	26365	25RB#0	4.471	4.91	PASS
Band25	5MHz	QPSK	26665	25RB#0	4.467	4.90	PASS
Band25	5MHz	16QAM	26065	25RB#0	4.47	4.94	PASS
Band25	5MHz	16QAM	26365	25RB#0	4.467	4.95	PASS
Band25	5MHz	16QAM	26665	25RB#0	4.466	4.94	PASS
Band25	5MHz	64QAM	26065	25RB#0	4.476	4.91	PASS
Band25	5MHz	64QAM	26365	25RB#0	4.483	4.93	PASS
Band25	5MHz	64QAM	26665	25RB#0	4.477	4.91	PASS
Band25	10MHz	QPSK	26090	50RB#0	8.9	9.64	PASS
Band25	10MHz	QPSK	26365	50RB#0	8.911	9.66	PASS
Band25	10MHz	QPSK	26640	50RB#0	8.892	9.62	PASS
Band25	10MHz	16QAM	26090	50RB#0	8.882	9.58	PASS



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Band25	10MHz	16QAM	26365	50RB#0	8.9	9.60	PASS
Band25	10MHz	16QAM	26640	50RB#0	8.879	9.56	PASS
Band25	10MHz	64QAM	26090	50RB#0	8.903	9.66	PASS
Band25	10MHz	64QAM	26365	50RB#0	8.907	9.68	PASS
Band25	10MHz	64QAM	26640	50RB#0	8.89	9.62	PASS
Band25	15MHz	QPSK	26115	75RB#0	13.375	19.26	PASS
Band25	15MHz	QPSK	26365	75RB#0	13.438	14.73	PASS
Band25	15MHz	QPSK	26615	75RB#0	13.374	14.61	PASS
Band25	15MHz	16QAM	26115	75RB#0	13.362	18.90	PASS
Band25	15MHz	16QAM	26365	75RB#0	13.41	14.76	PASS
Band25	15MHz	16QAM	26615	75RB#0	13.366	14.73	PASS
Band25	15MHz	64QAM	26115	75RB#0	13.327	20.97	PASS
Band25	15MHz	64QAM	26365	75RB#0	13.39	14.73	PASS
Band25	15MHz	64QAM	26615	75RB#0	13.346	14.73	PASS
Band25	20MHz	QPSK	26140	100RB#0	17.779	19.16	PASS
Band25	20MHz	QPSK	26365	100RB#0	17.847	19.40	PASS
Band25	20MHz	QPSK	26590	100RB#0	17.86	19.16	PASS
Band25	20MHz	16QAM	26140	100RB#0	17.743	19.08	PASS
Band25	20MHz	16QAM	26365	100RB#0	17.828	19.28	PASS
Band25	20MHz	16QAM	26590	100RB#0	17.818	19.32	PASS
Band25	20MHz	64QAM	26140	100RB#0	17.73	19.12	PASS
Band25	20MHz	64QAM	26365	100RB#0	17.818	19.36	PASS
Band25	20MHz	64QAM	26590	100RB#0	17.836	19.44	PASS



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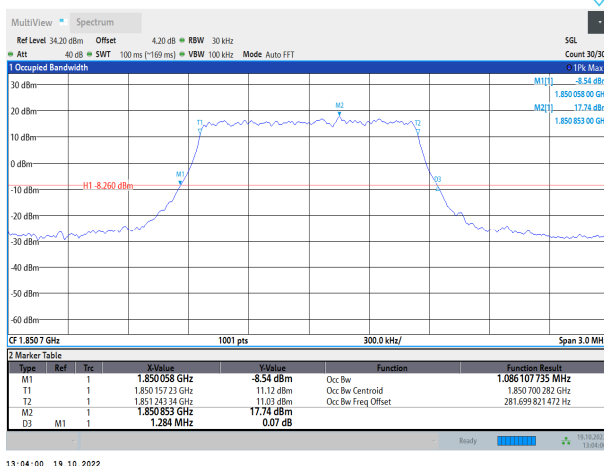
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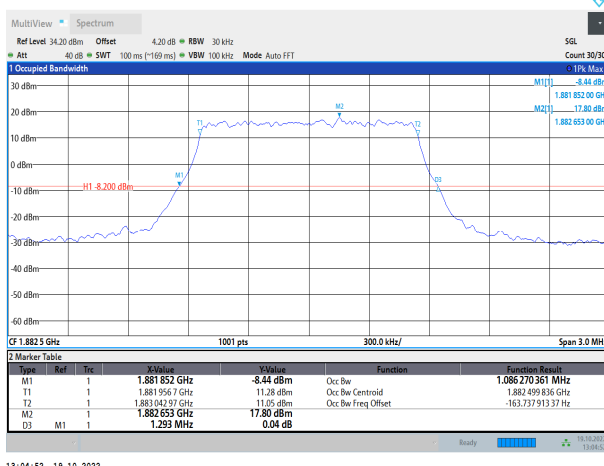
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Test Graphs

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



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



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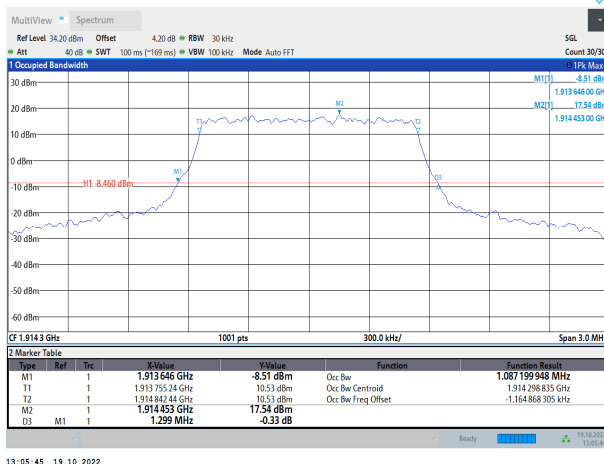
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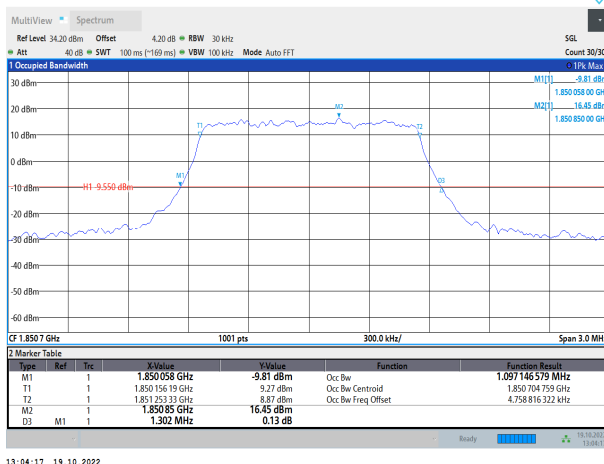
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Band25-1.4MHz-QPSK-26683-6RB#0



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



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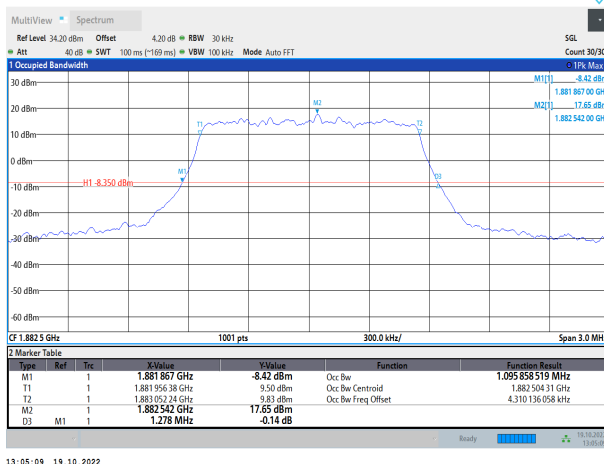
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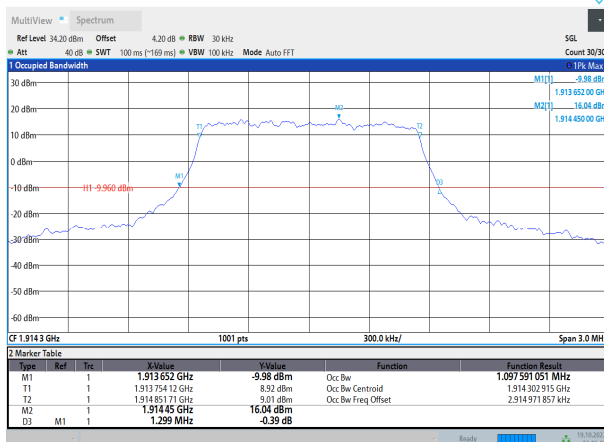
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Band25-1.4MHz-16QAM-26365-6RB#0



13:05:09 19.10.2022

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



13:06:02 19.10.2022



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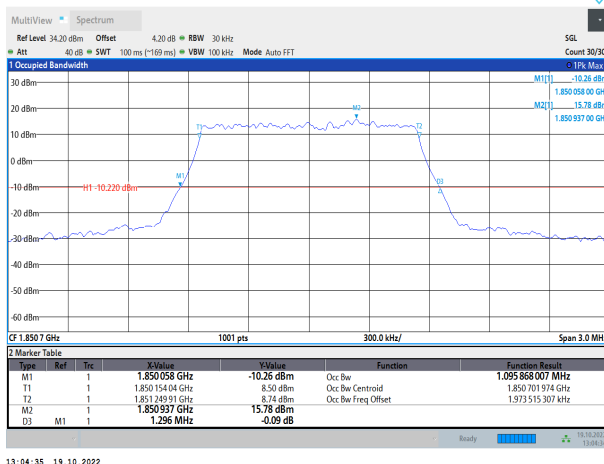
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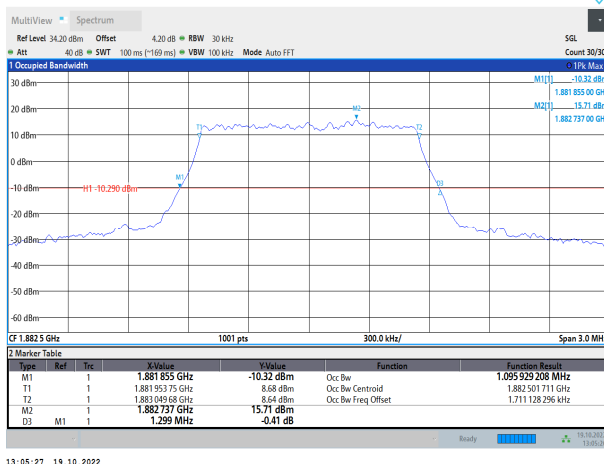
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Band25-1.4MHz-64QAM-26047-6RB#0



13:04:35 19.10.2022

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



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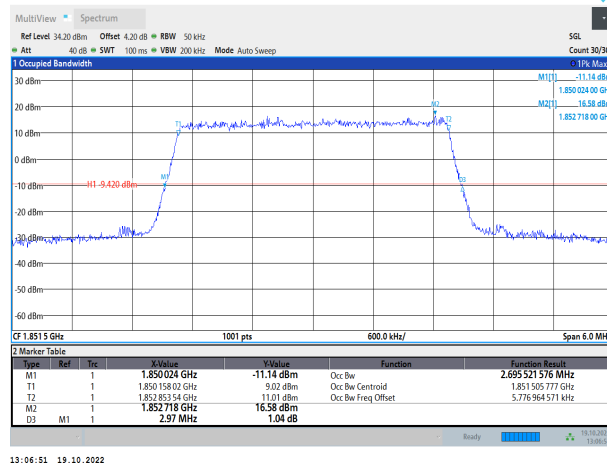
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Band25-1.4MHz-64QAM-26683-6RB#0



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



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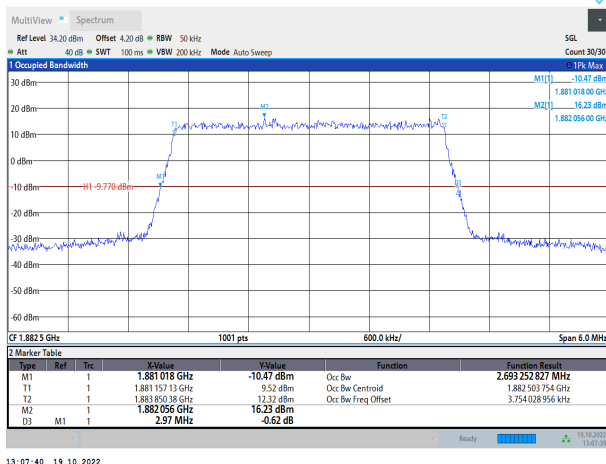
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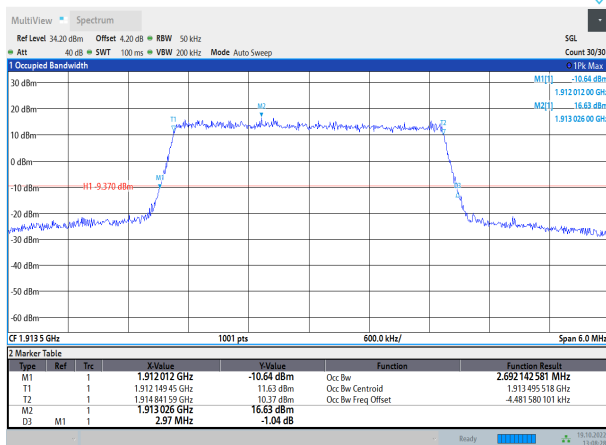
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Band25-3MHz-QPSK-26365-15RB#0



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Band25-3MHz-QPSK-26675-15RB#0



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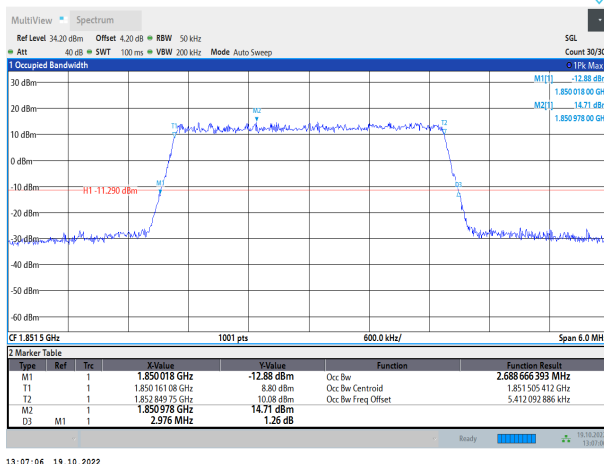
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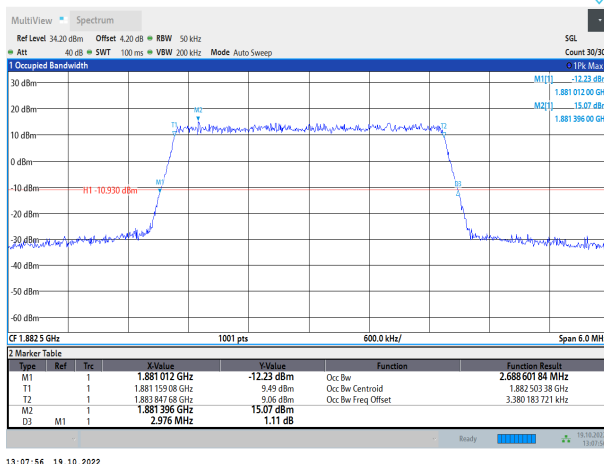
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Band25-3MHz-16QAM-26055-15RB#0



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



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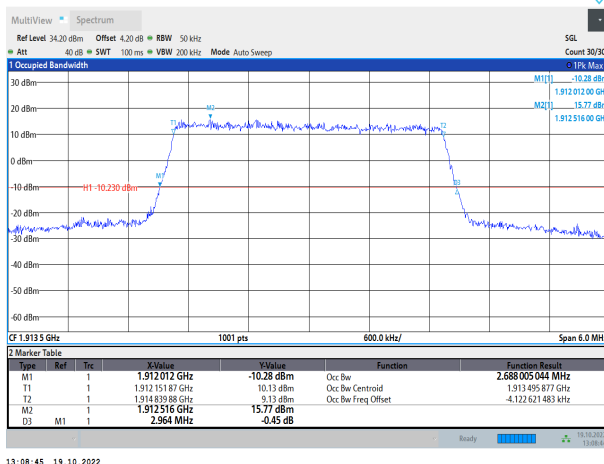
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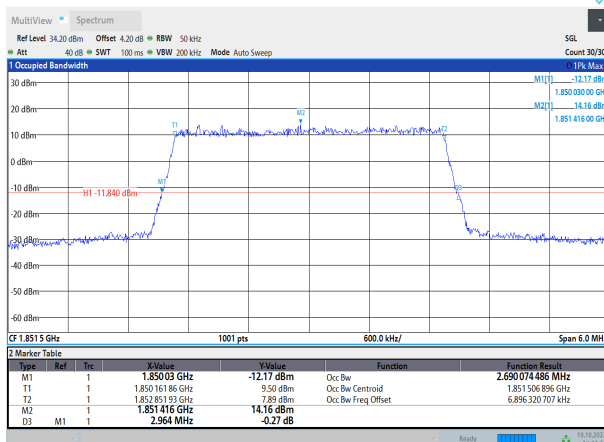
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Band25-3MHz-16QAM-26675-15RB#0



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



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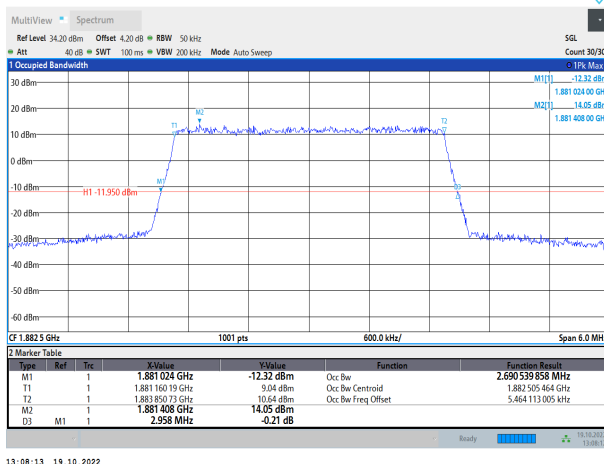
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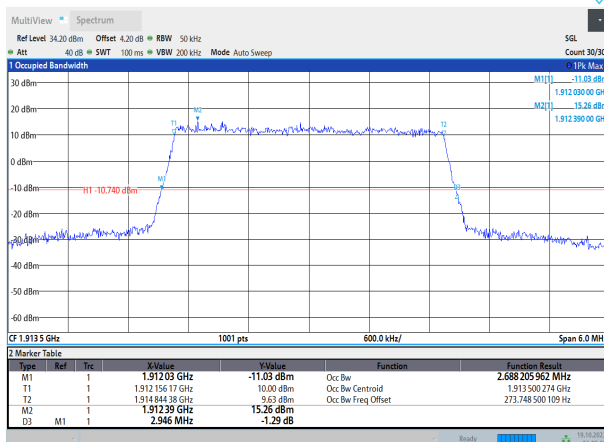
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Band25-3MHz-64QAM-26675-15RB#0



13:09:02 19.10.2022



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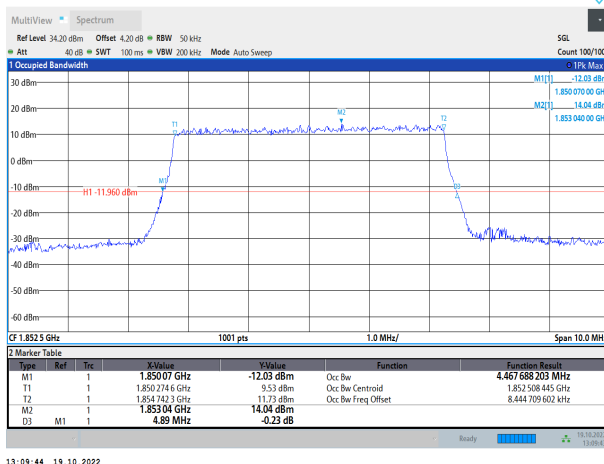
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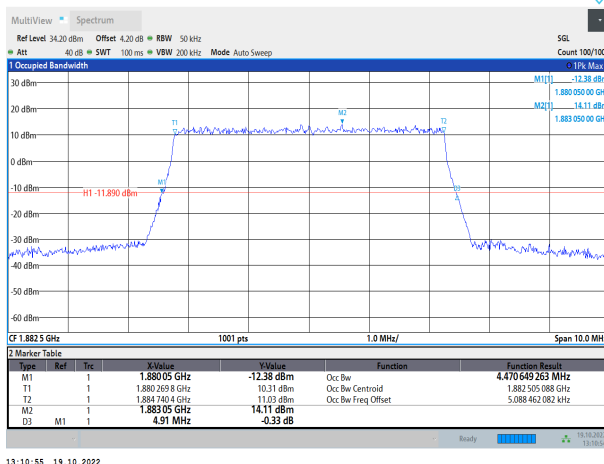
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Band25-5MHz-QPSK-26065-25RB#0



Band25-5MHz-QPSK-26365-25RB#0



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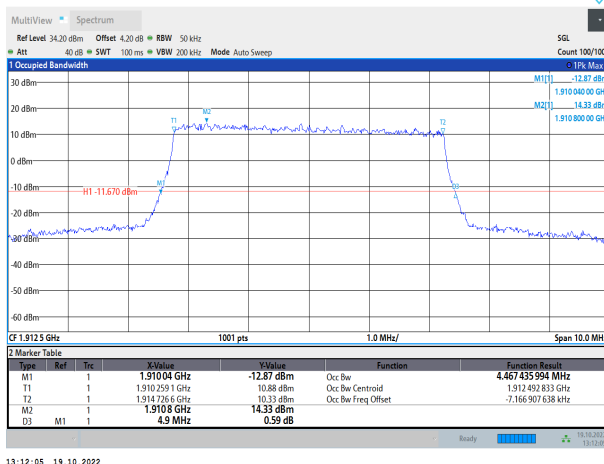
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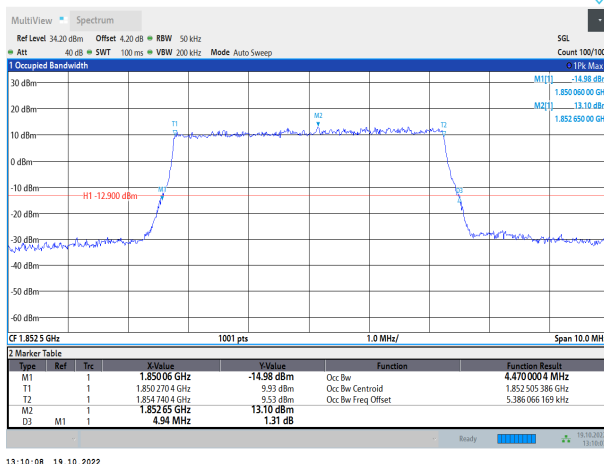
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Band25-5MHz-QPSK-26665-25RB#0



Band25-5MHz-16QAM-26065-25RB#0



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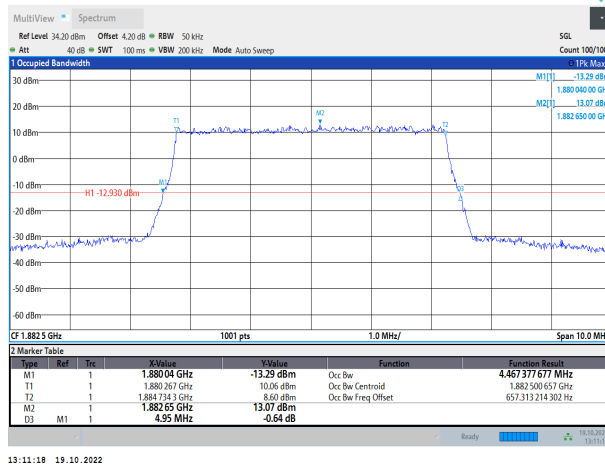
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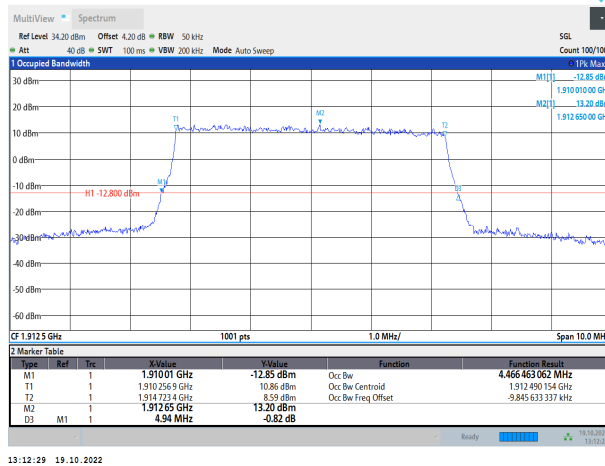
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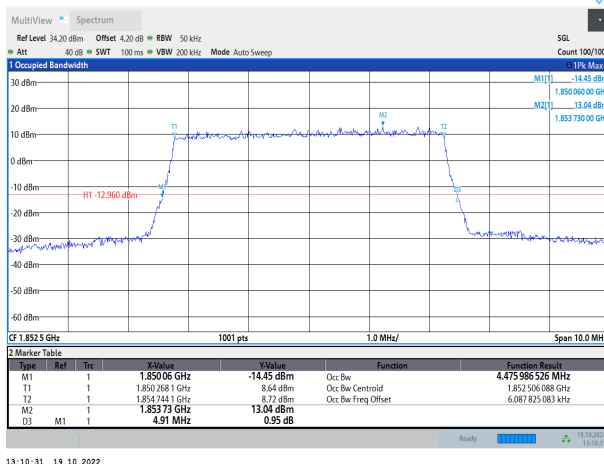


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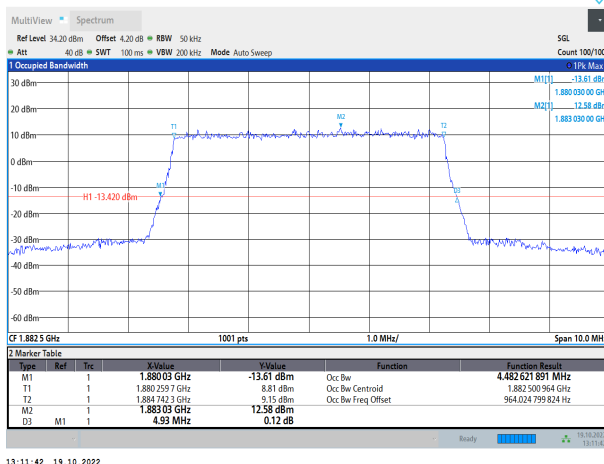
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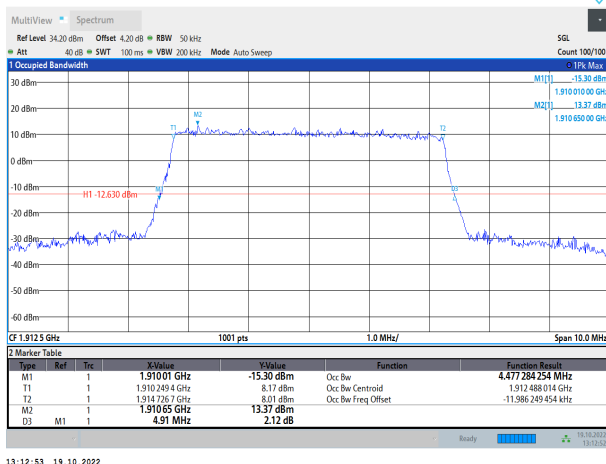
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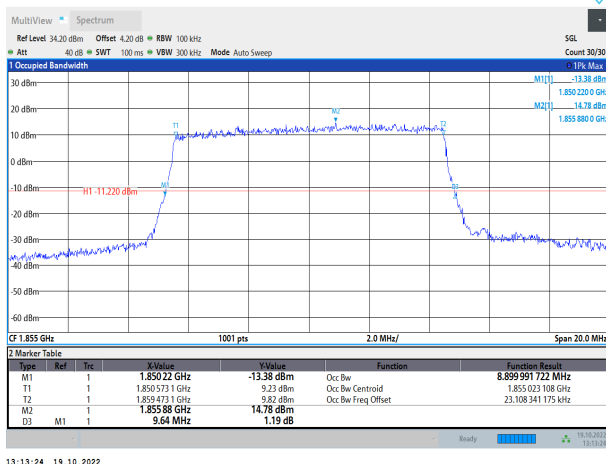
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Band25-10MHz-QPSK-26090-50RB#0

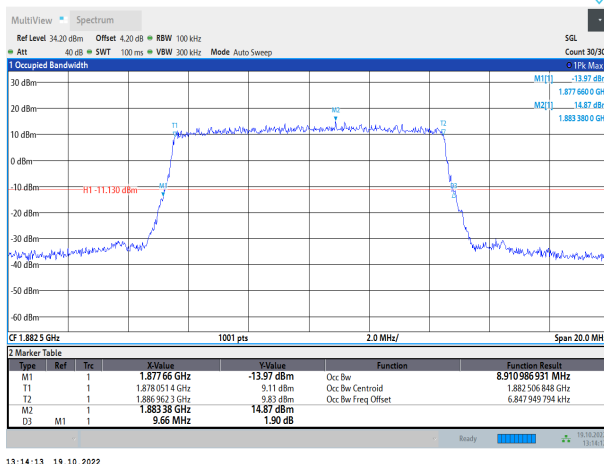


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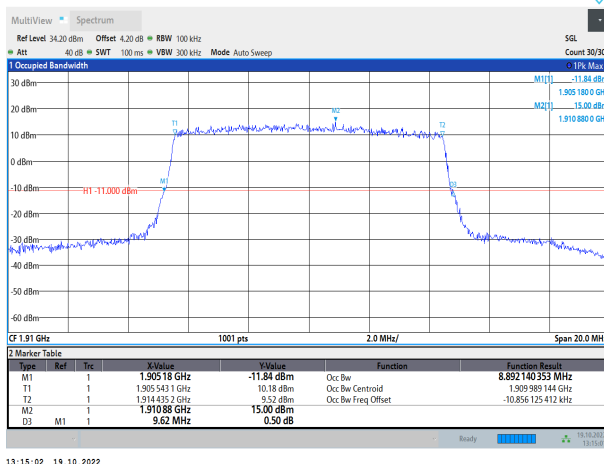
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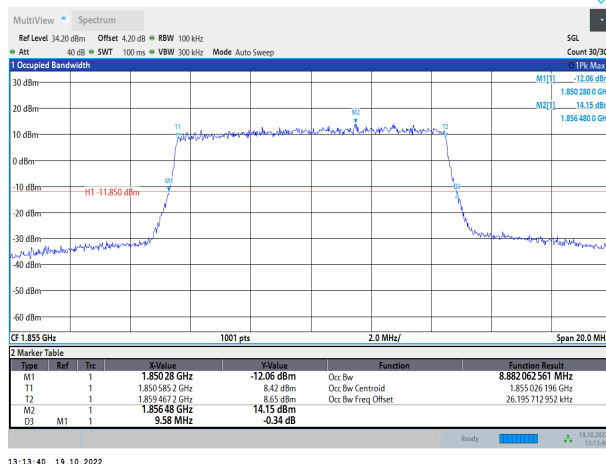
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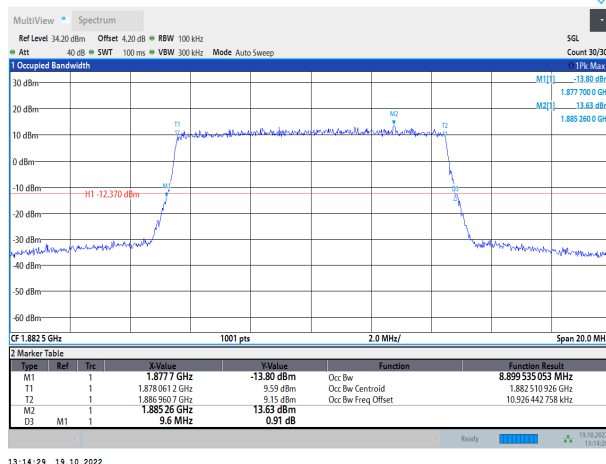
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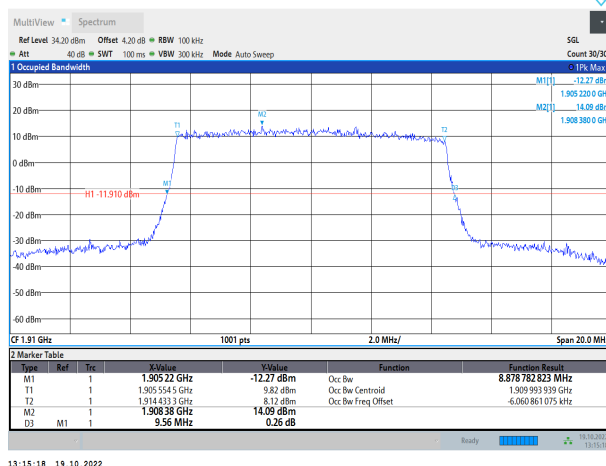


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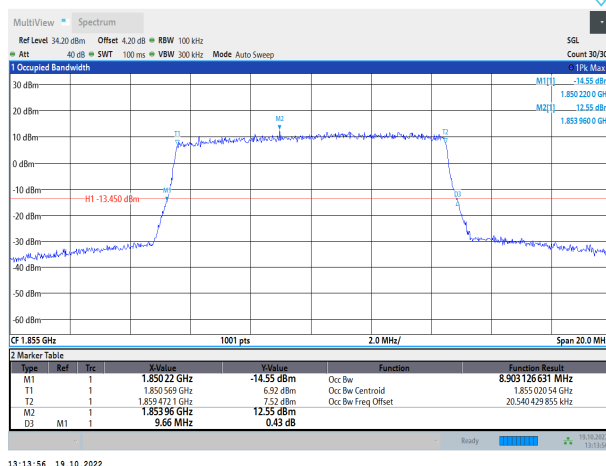
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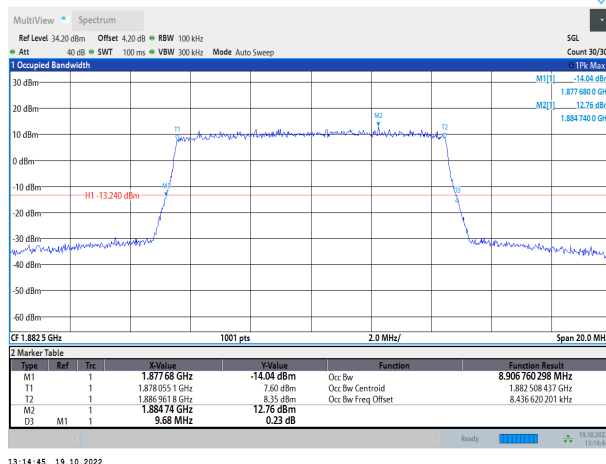


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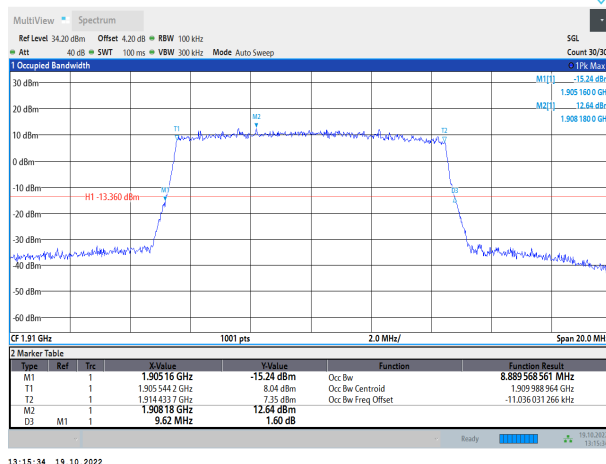
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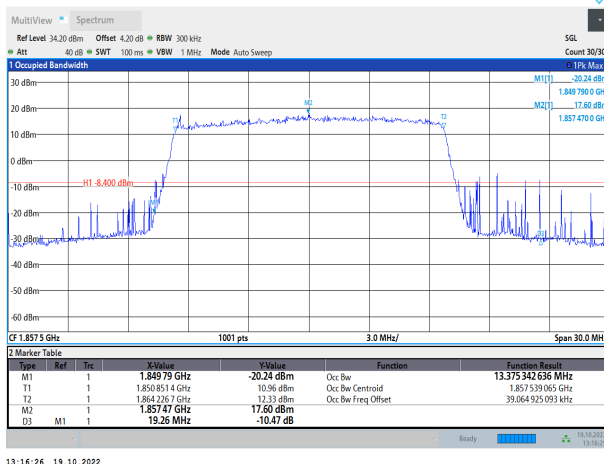


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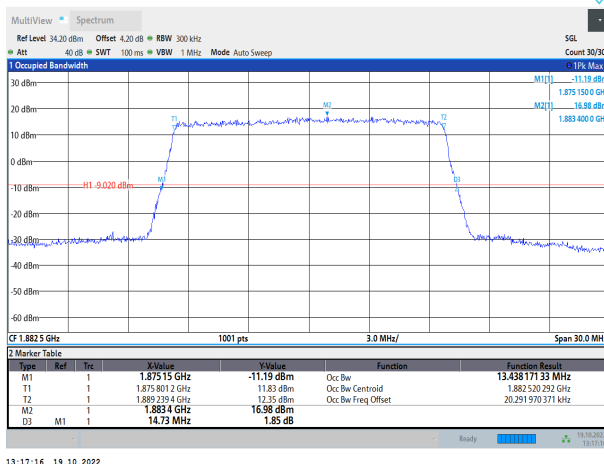
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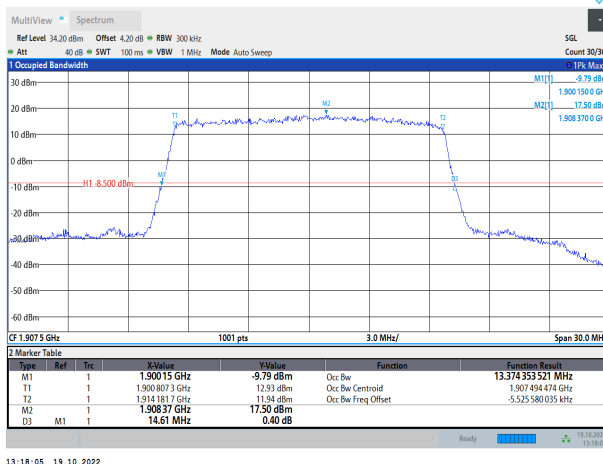
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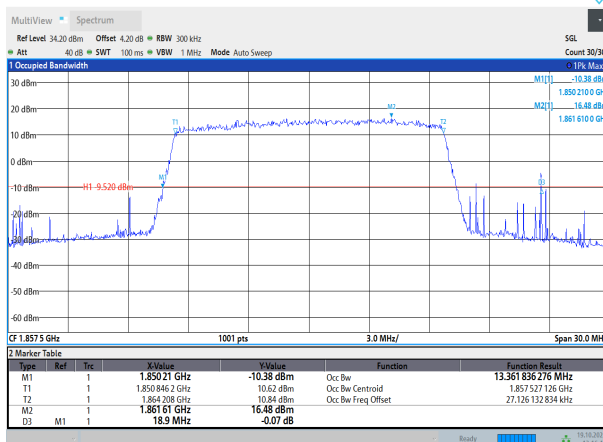
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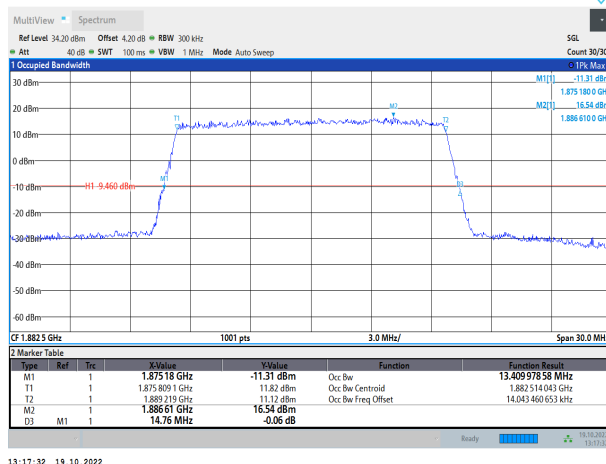
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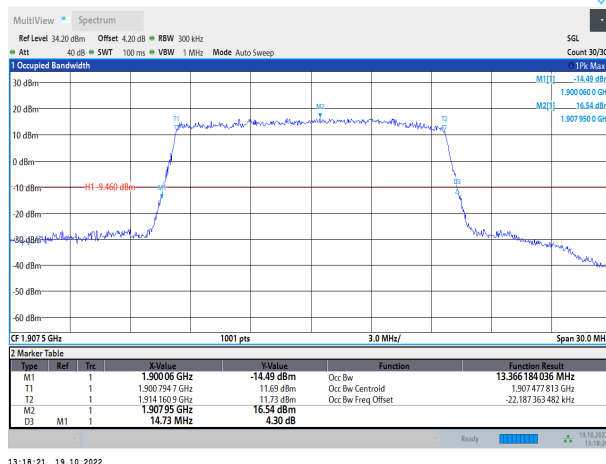
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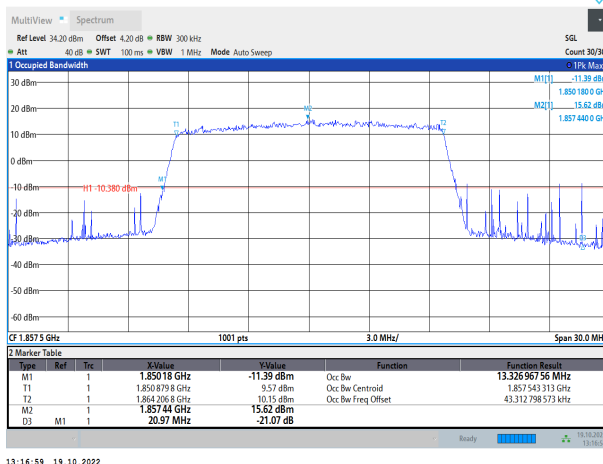
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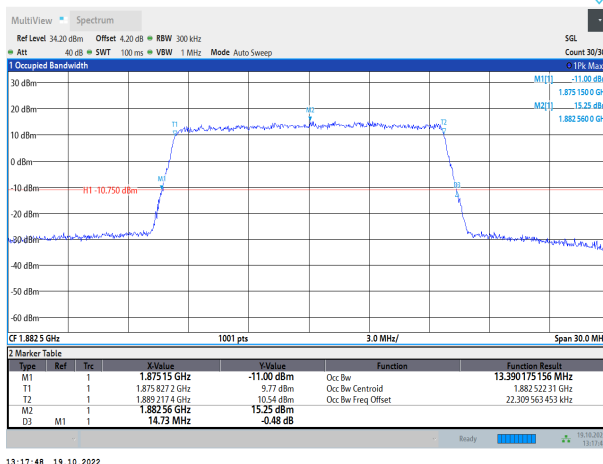
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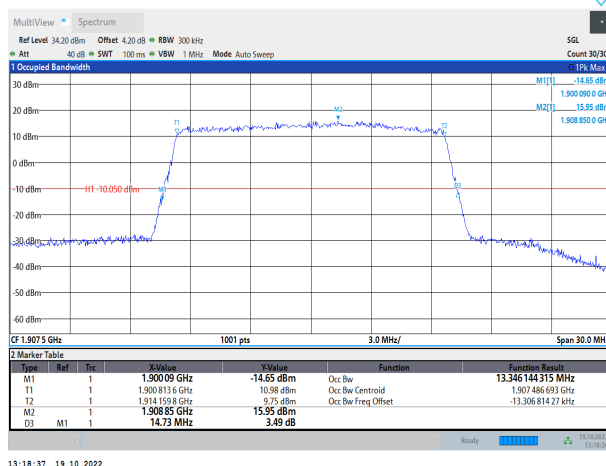
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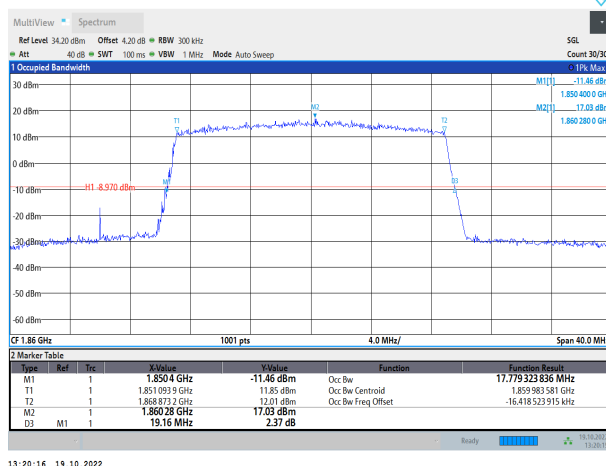
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Band25-20MHz-QPSK-26140-100RB#0



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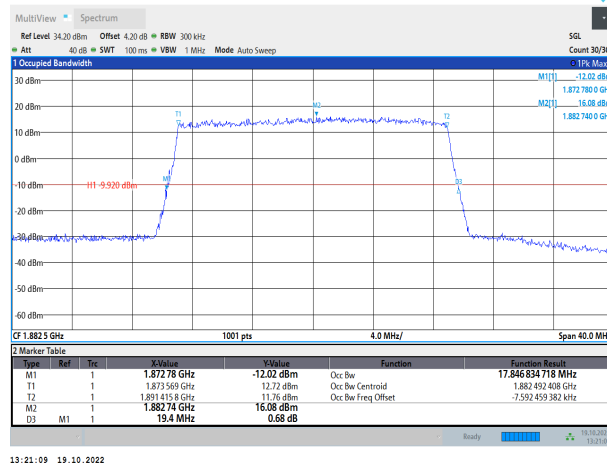
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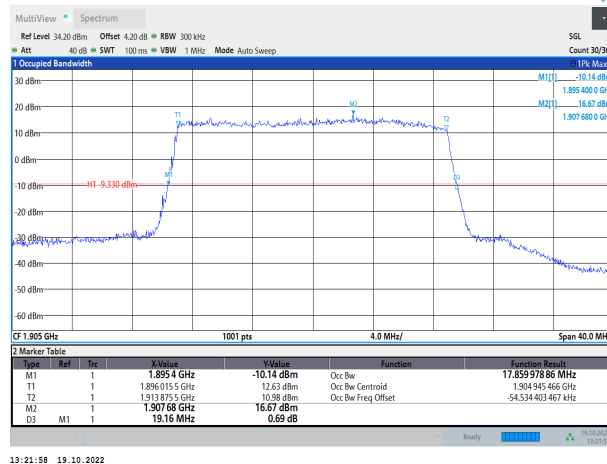
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Band25-20MHz-QPSK-26590-100RB#0



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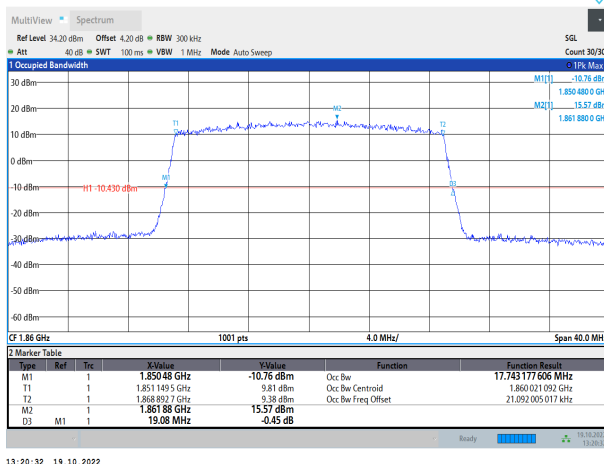
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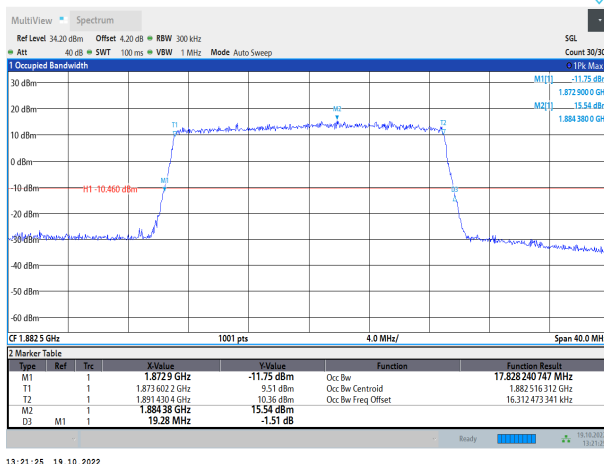
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Band25-20MHz-16QAM-26140-100RB#0



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



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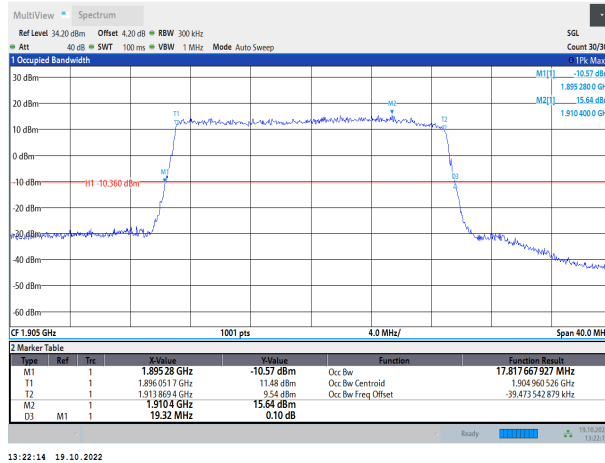
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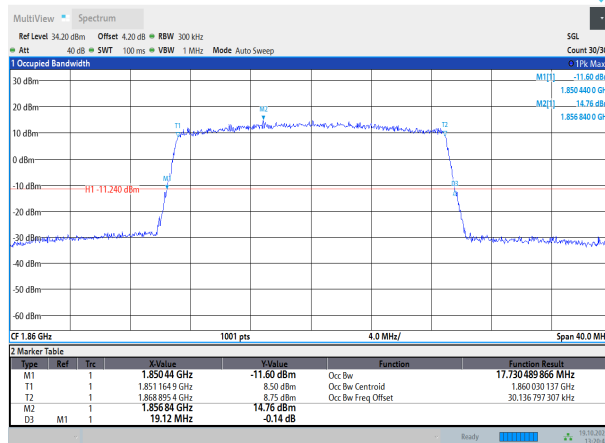
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Band25-20MHz-16QAM-26590-100RB#0



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



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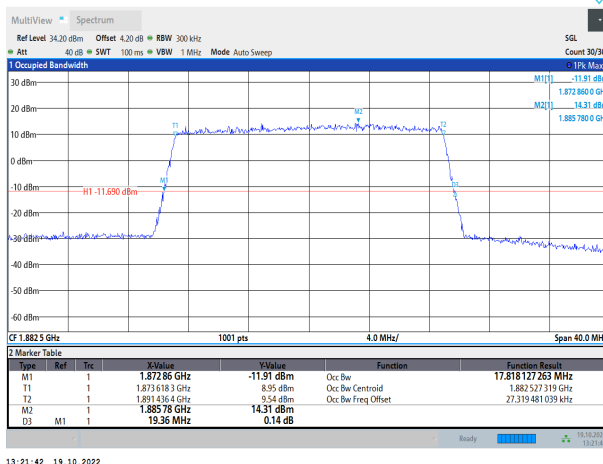
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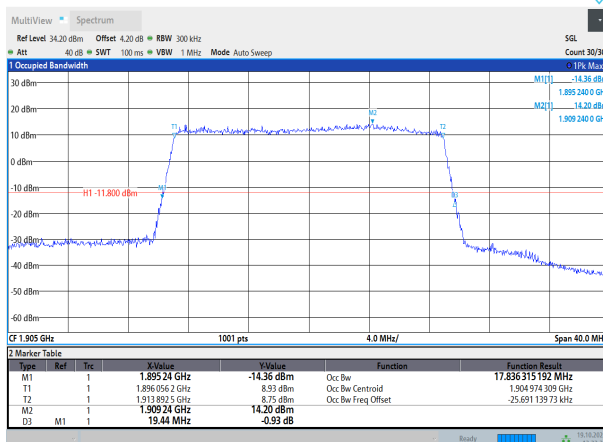
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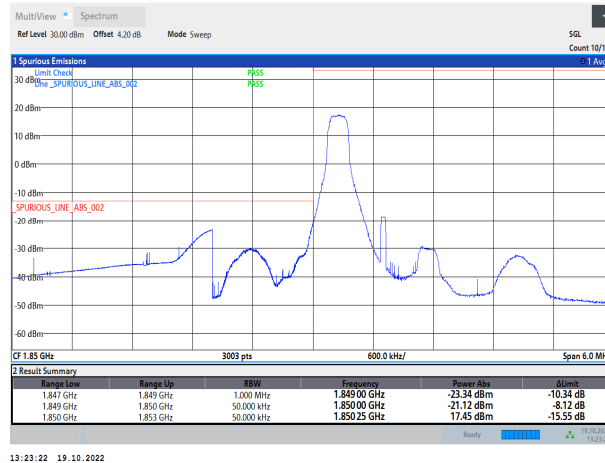
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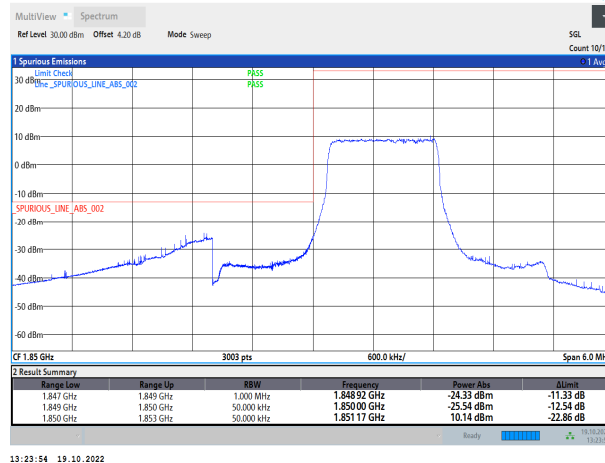
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Test Graphs

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



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



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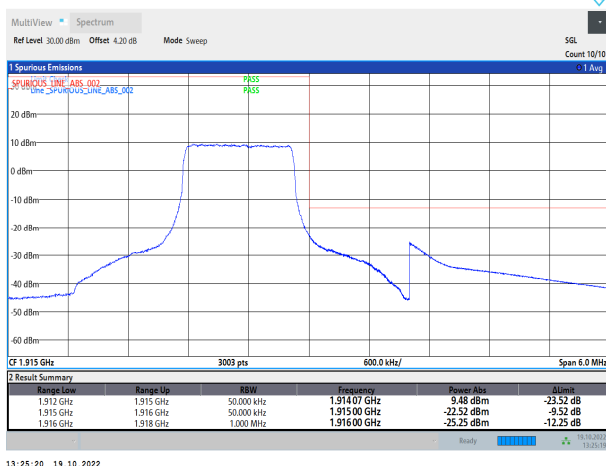
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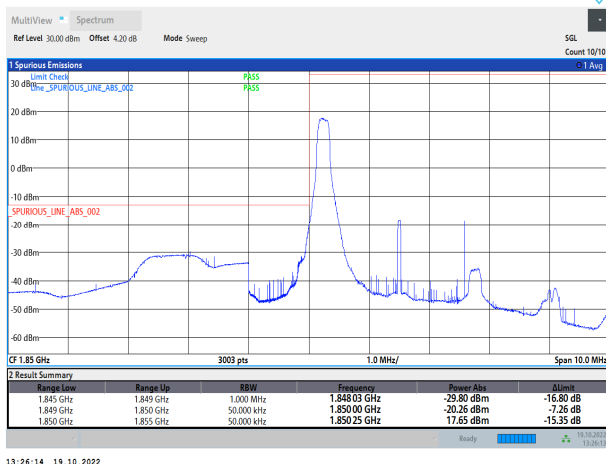
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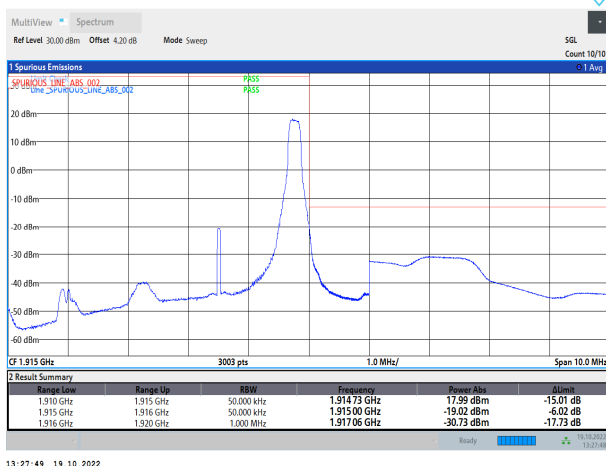
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Band25-3MHz-QPSK-26675-15RB#0



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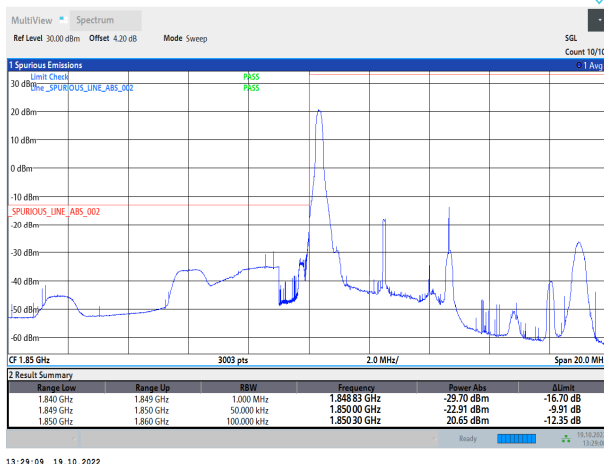
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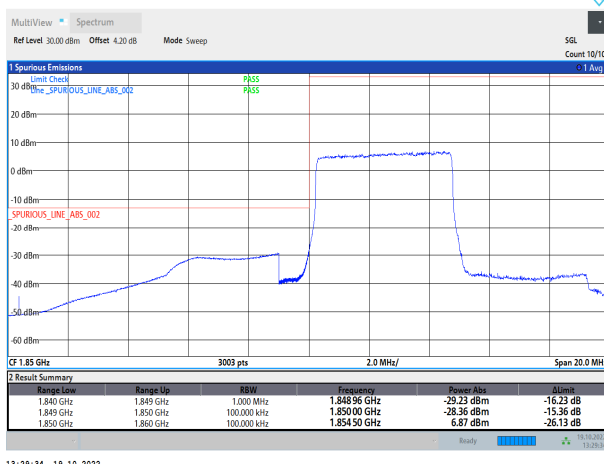
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Band25-5MHz-QPSK-26065-25RB#0



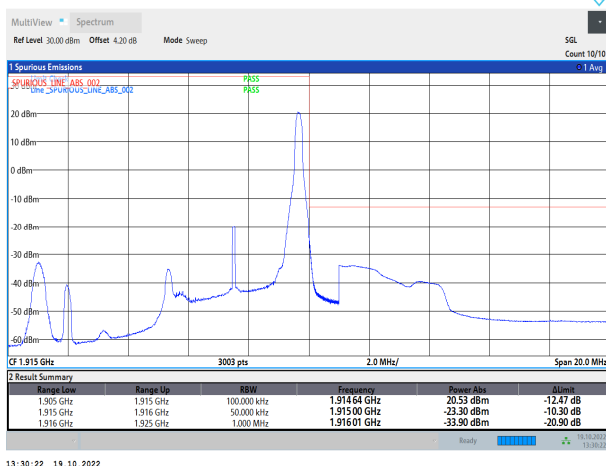
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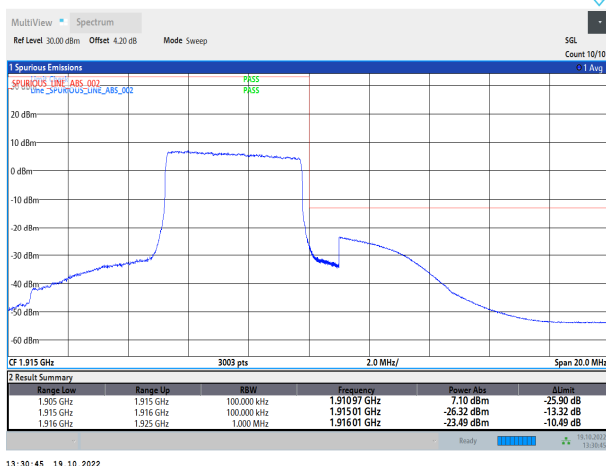
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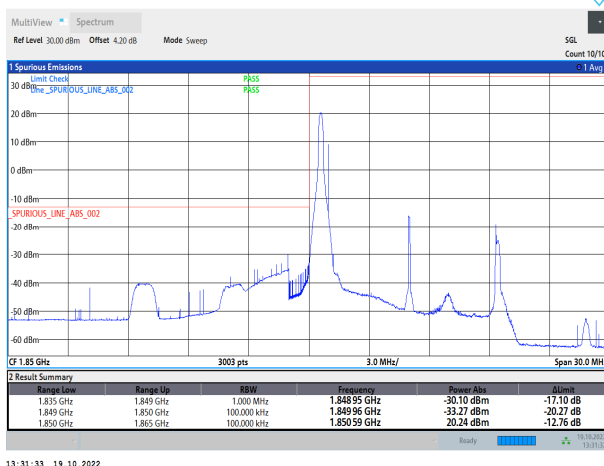
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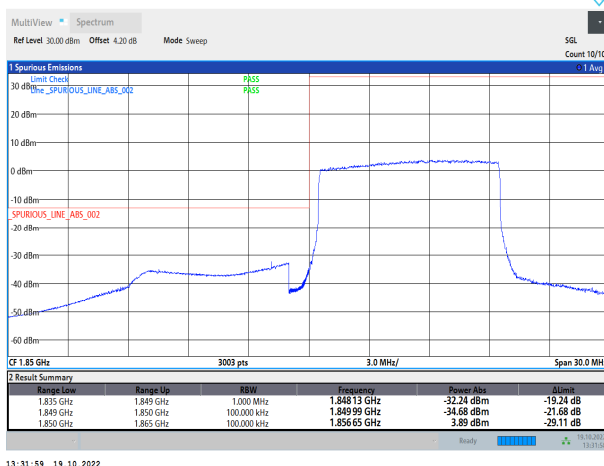
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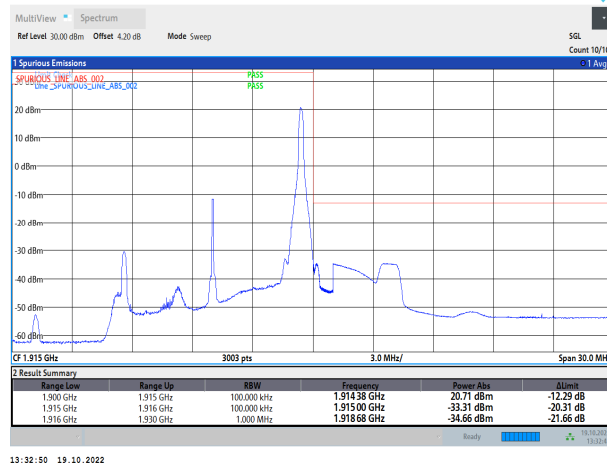
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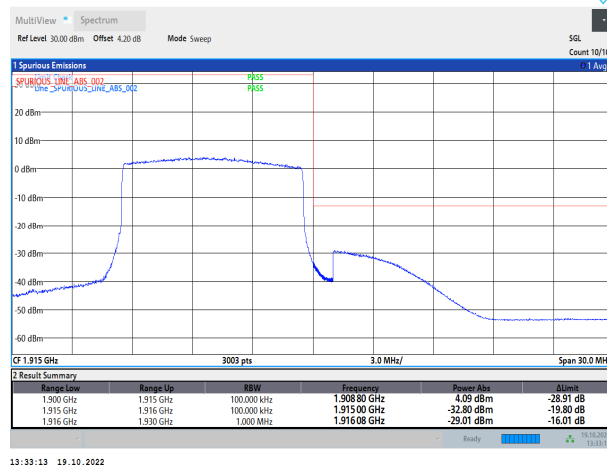
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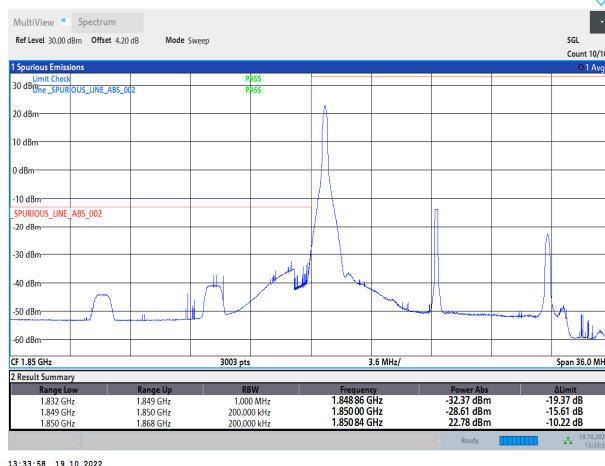
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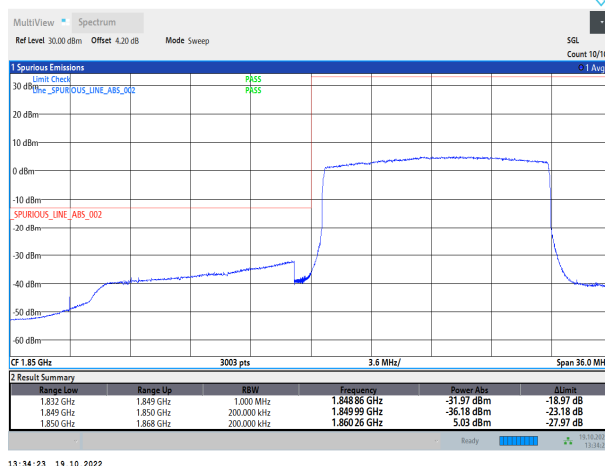
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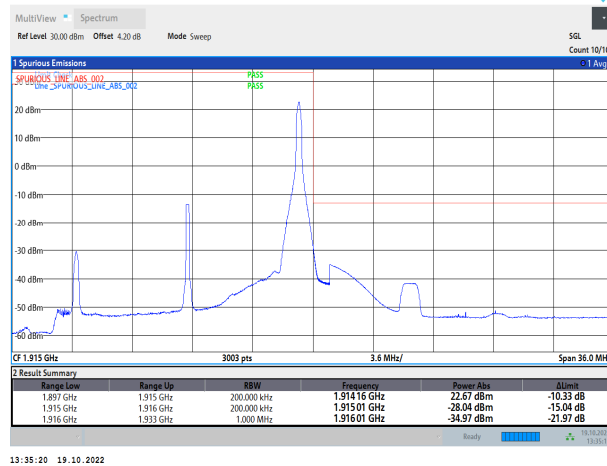
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Band25-15MHz-QPSK-26615-1RB#74



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



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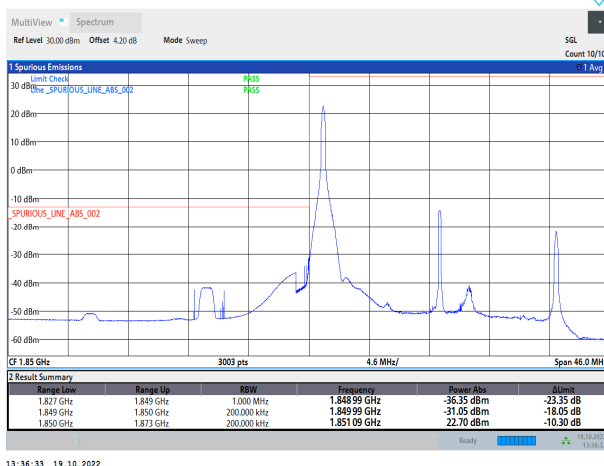
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Band25-20MHz-QPSK-26140-1RB#0



13:36:33 19.10.2022

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



13:36:56 19.10.2022



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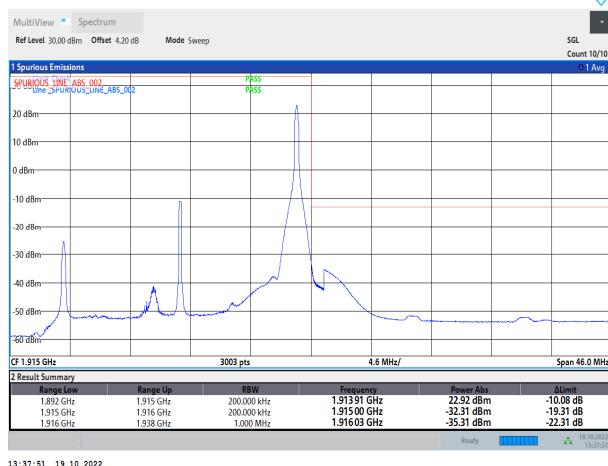
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Band25-20MHz-QPSK-26590-1RB#99



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



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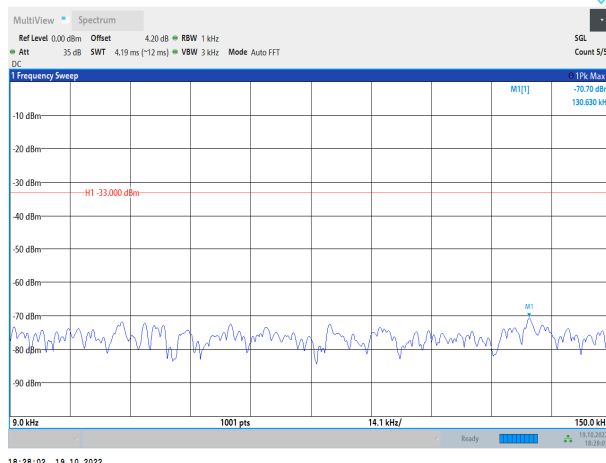
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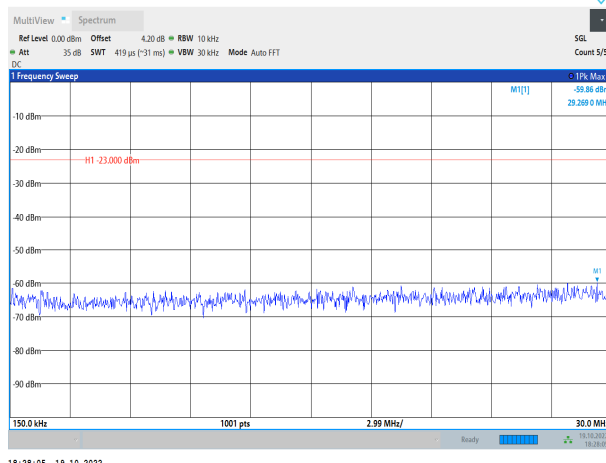
Conducted Spurious Emission

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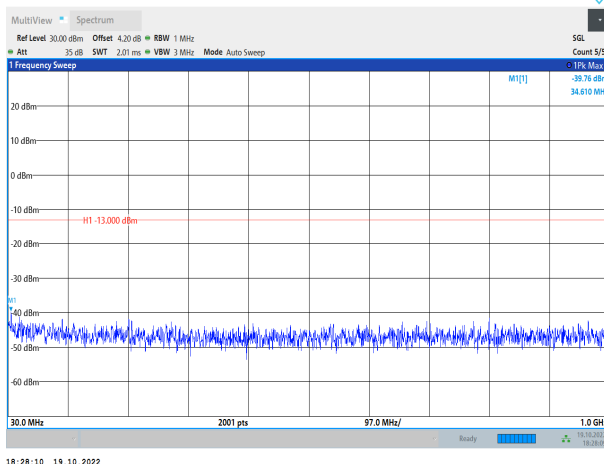
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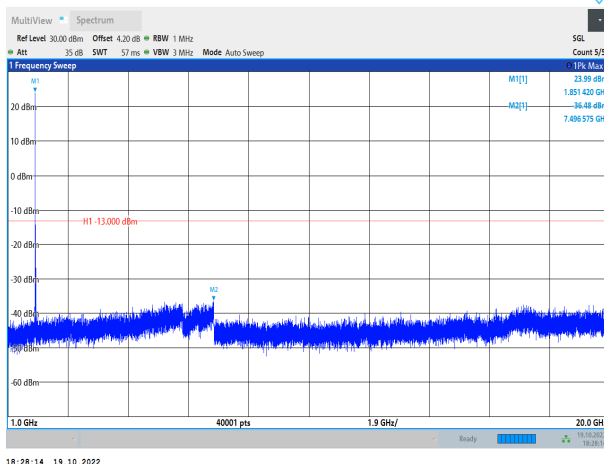
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Band25-20MHz-QPSK-26140-1RB#0-Range3:30~1000MHz



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



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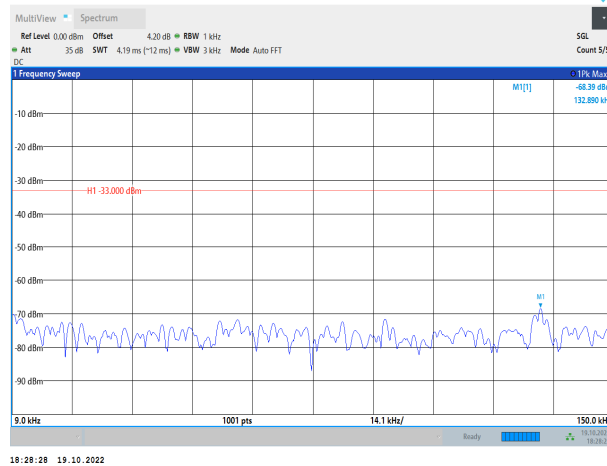


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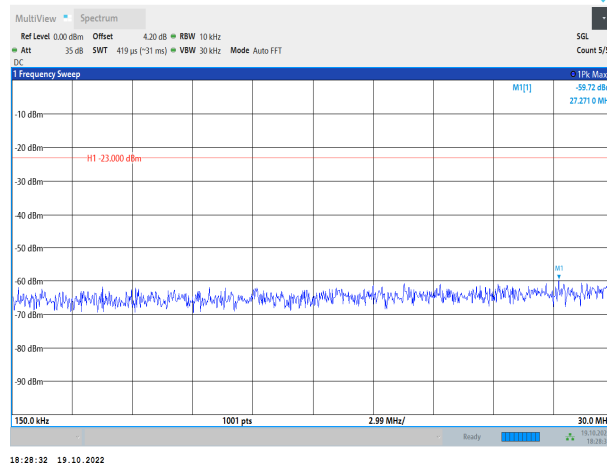
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Band25-20MHz-QPSK-26365-1RB#0-Range1:0.009~0.15MHz



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



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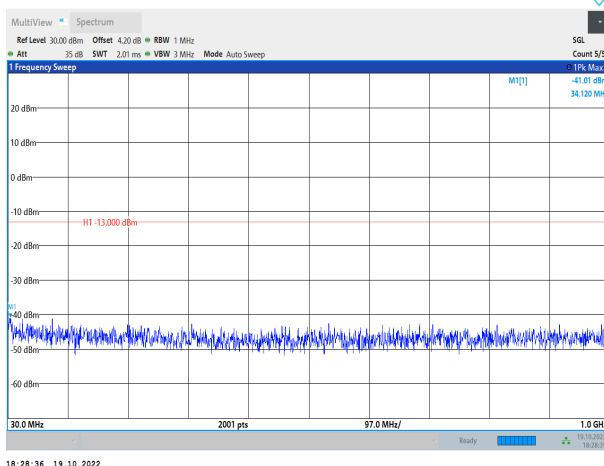
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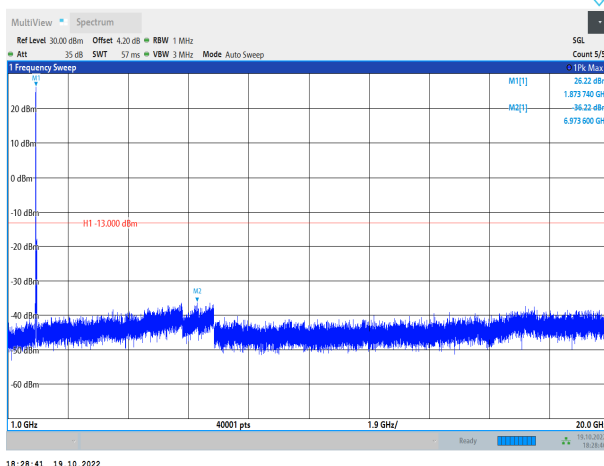
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Band25-20MHz-QPSK-26365-1RB#0-Range3:30~1000MHz



Band25-20MHz-QPSK-26365-1RB#0-Range4:1000~20000MHz



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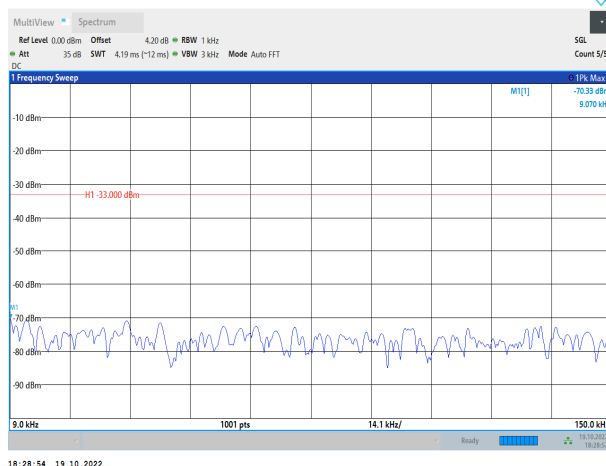


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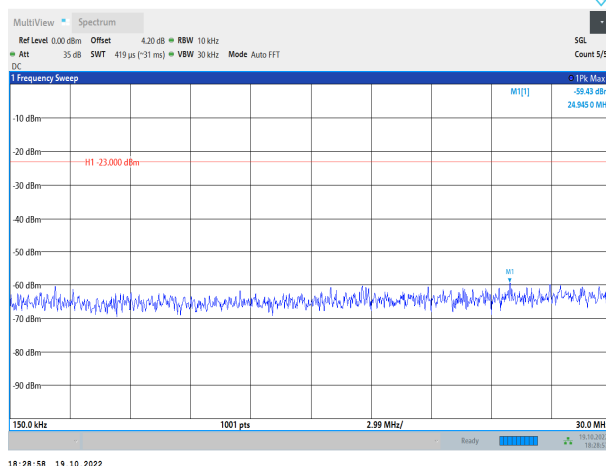
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Band25-20MHz-QPSK-26590-1RB#0-Range1:0.009~0.15MHz



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



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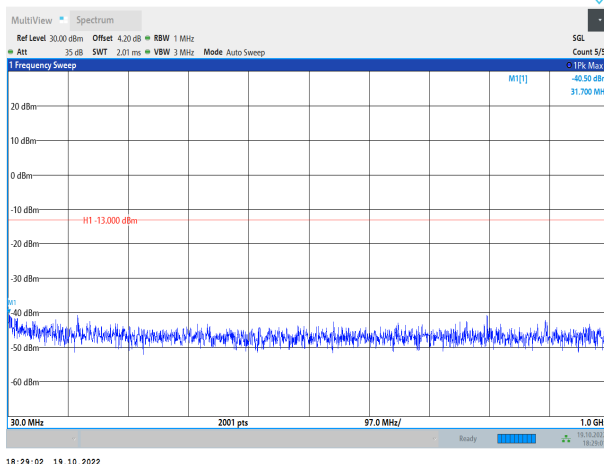
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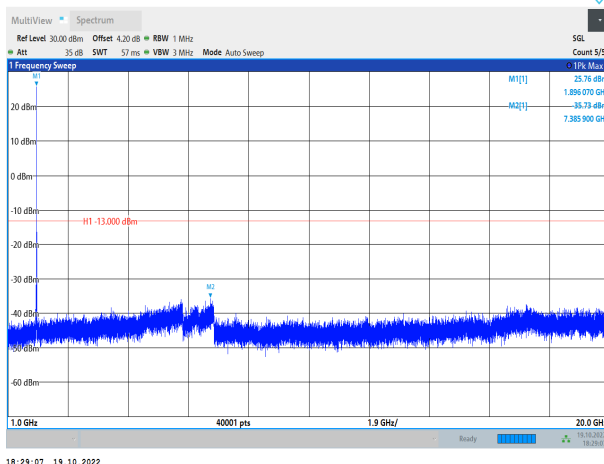
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Band25-20MHz-QPSK-26590-1RB#0-Range3:30~1000MHz



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



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Field Strength of Spurious Radiation

Test Band = LTE Band25_ TM1

Test Channel = Low

Final Data List

NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3702	57.17	-45.51	29.98	-53.62	-13.00	40.62	145	17	Horizontal
2	5553.2700	47.80	-45.15	32.97	-59.64	-13.00	46.64	195	152	Horizontal
3	7404.3600	44.42	-43.40	36.49	-57.75	-13.00	44.75	125	121	Horizontal
4	9255.4500	37.70	-40.23	38.38	-59.41	-13.00	46.41	142	210	Horizontal
5	11106.5400	32.39	-37.93	39.09	-61.71	-13.00	48.71	163	225	Horizontal
6	12957.6300	31.64	-37.24	39.79	-61.07	-13.00	48.07	258	256	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	3702.1800	61.57	-45.51	29.98	-49.22	-13.00	36.22	198	8	Vertical
2	5553.2700	50.96	-45.15	32.97	-56.48	-13.00	43.48	148	300	Vertical
3	7404.3600	44.44	-43.40	36.49	-57.73	-13.00	44.73	175	226	Vertical
4	9255.4500	37.30	-40.23	38.38	-59.81	-13.00	46.81	145	77	Vertical
5	11106.5400	32.90	-37.93	39.09	-61.20	-13.00	48.20	126	8	Vertical
6	12957.6300	32.03	-37.24	39.79	-60.68	-13.00	47.68	135	122	Vertical



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Test Band = LTE Band25_ TM1

Test Channel = Mid

Final Data List

NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3742.1800	54.78	-45.68	30.12	-56.04	-13.00	43.04	155	317	Horizontal
2	5613.2700	49.01	-45.04	33.07	-58.22	-13.00	45.22	142	228	Horizontal
3	7484.3600	44.32	-43.18	36.45	-57.67	-13.00	44.67	166	317	Horizontal
4	9355.4500	38.44	-40.00	38.46	-58.37	-13.00	45.37	192	108	Horizontal
5	11226.5400	34.77	-37.40	39.11	-58.78	-13.00	45.78	153	243	Horizontal
6	13097.6300	30.41	-37.01	39.87	-61.98	-13.00	48.98	172	302	Horizontal

Final Data List

NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3742.1800	62.17	-45.68	30.12	-48.65	-13.00	35.65	248	10	Vertical
2	5613.2700	50.82	-45.04	33.07	-56.41	-13.00	43.41	156	304	Vertical
3	7484.3600	44.58	-43.18	36.45	-57.41	-13.00	44.41	129	109	Vertical
4	9355.4500	37.75	-40.00	38.46	-59.06	-13.00	46.06	175	95	Vertical
5	11226.5400	34.06	-37.40	39.11	-59.49	-13.00	46.49	123	334	Vertical
6	13097.6300	30.39	-37.01	39.87	-62.00	-13.00	49.00	165	1	Vertical



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Test Band = LTE Band25_ TM1**Test Channel = High****Final Data List**

NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3792	55.16	-45.89	30.30	-55.69	-13.00	42.69	254	317	Horizontal
2	5688.2700	47.65	-44.87	33.34	-59.14	-13.00	46.14	169	105	Horizontal
3	7584.3600	44.89	-42.96	36.40	-56.93	-13.00	43.93	129	179	Horizontal
4	9480.4500	40.51	-40.15	38.47	-56.43	-13.00	43.43	185	272	Horizontal
5	11376.5400	34.26	-37.38	39.11	-59.27	-13.00	46.27	172	16	Horizontal
6	13272.6300	31.79	-36.97	40.00	-60.43	-13.00	47.43	143	300	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	3792.1800	58.72	-45.89	30.30	-52.13	-13.00	39.13	155	1	Vertical
2	5688.2700	49.29	-44.87	33.34	-57.50	-13.00	44.50	145	151	Vertical
3	7584.3600	44.31	-42.96	36.40	-57.51	-13.00	44.51	126	164	Vertical
4	9480.4500	40.99	-40.15	38.47	-55.95	-13.00	42.95	132	8	Vertical
5	11376.5400	34.00	-37.38	39.11	-59.53	-13.00	46.53	159	46	Vertical
6	13272.6300	30.91	-36.97	40.00	-61.31	-13.00	48.31	145	60	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	1.10	0.000584	PASS
Band25	20MHz	QPSK	26365	100RB#0	VN	NT	-0.10	-0.000053	PASS
Band25	20MHz	QPSK	26365	100RB#0	VH	NT	-0.20	-0.000106	PASS

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band25	20MHz	QPSK	26365	100RB#0	NV	-30	-0.80	-0.000425	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	-20	0.30	0.000159	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	-10	0.50	0.000266	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	0	0.10	0.000053	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	10	0.80	0.000425	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	20	1.00	0.000531	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	30	0.70	0.000372	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	40	-0.80	-0.000425	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	50	-0.50	-0.000266	PASS

---End of Attachment---



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