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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	23.34	23.43	33.00	PASS
Band25	1.4MHz	QPSK	26047	1RB#2	23.42	23.51	33.00	PASS
Band25	1.4MHz	QPSK	26047	1RB#5	23.35	23.44	33.00	PASS
Band25	1.4MHz	QPSK	26047	6RB#0	22.43	22.52	33.00	PASS
Band25	1.4MHz	QPSK	26365	1RB#0	23.23	23.32	33.00	PASS
Band25	1.4MHz	QPSK	26365	1RB#2	23.30	23.39	33.00	PASS
Band25	1.4MHz	QPSK	26365	1RB#5	23.24	23.33	33.00	PASS
Band25	1.4MHz	QPSK	26365	6RB#0	22.31	22.40	33.00	PASS
Band25	1.4MHz	QPSK	26683	1RB#0	23.23	23.32	33.00	PASS
Band25	1.4MHz	QPSK	26683	1RB#2	23.30	23.39	33.00	PASS
Band25	1.4MHz	QPSK	26683	1RB#5	23.22	23.31	33.00	PASS
Band25	1.4MHz	QPSK	26683	6RB#0	22.30	22.39	33.00	PASS
Band25	1.4MHz	16QAM	26047	1RB#0	22.68	22.77	33.00	PASS
Band25	1.4MHz	16QAM	26047	1RB#2	22.74	22.83	33.00	PASS
Band25	1.4MHz	16QAM	26047	1RB#5	22.63	22.72	33.00	PASS
Band25	1.4MHz	16QAM	26047	6RB#0	21.48	21.57	33.00	PASS
Band25	1.4MHz	16QAM	26365	1RB#0	22.52	22.61	33.00	PASS
Band25	1.4MHz	16QAM	26365	1RB#2	22.60	22.69	33.00	PASS
Band25	1.4MHz	16QAM	26365	1RB#5	22.56	22.65	33.00	PASS
Band25	1.4MHz	16QAM	26365	6RB#0	21.42	21.51	33.00	PASS
Band25	1.4MHz	16QAM	26683	1RB#0	22.48	22.57	33.00	PASS
Band25	1.4MHz	16QAM	26683	1RB#2	22.56	22.65	33.00	PASS
Band25	1.4MHz	16QAM	26683	1RB#5	22.44	22.53	33.00	PASS
Band25	1.4MHz	16QAM	26683	6RB#0	21.38	21.47	33.00	PASS
Band25	3MHz	QPSK	26055	1RB#0	23.41	23.50	33.00	PASS



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Band25	3MHz	QPSK	26055	1RB#8	23.44	23.53	33.00	PASS
Band25	3MHz	QPSK	26055	1RB#14	23.46	23.55	33.00	PASS
Band25	3MHz	QPSK	26055	15RB#0	22.49	22.58	33.00	PASS
Band25	3MHz	QPSK	26365	1RB#0	23.36	23.45	33.00	PASS
Band25	3MHz	QPSK	26365	1RB#8	23.40	23.49	33.00	PASS
Band25	3MHz	QPSK	26365	1RB#14	23.34	23.43	33.00	PASS
Band25	3MHz	QPSK	26365	15RB#0	22.39	22.48	33.00	PASS
Band25	3MHz	QPSK	26675	1RB#0	23.29	23.38	33.00	PASS
Band25	3MHz	QPSK	26675	1RB#8	23.28	23.37	33.00	PASS
Band25	3MHz	QPSK	26675	1RB#14	23.26	23.35	33.00	PASS
Band25	3MHz	QPSK	26675	15RB#0	22.37	22.46	33.00	PASS
Band25	3MHz	16QAM	26055	1RB#0	22.72	22.81	33.00	PASS
Band25	3MHz	16QAM	26055	1RB#8	22.74	22.83	33.00	PASS
Band25	3MHz	16QAM	26055	1RB#14	22.79	22.88	33.00	PASS
Band25	3MHz	16QAM	26055	15RB#0	21.54	21.63	33.00	PASS
Band25	3MHz	16QAM	26365	1RB#0	22.70	22.79	33.00	PASS
Band25	3MHz	16QAM	26365	1RB#8	22.55	22.64	33.00	PASS
Band25	3MHz	16QAM	26365	1RB#14	22.64	22.73	33.00	PASS
Band25	3MHz	16QAM	26365	15RB#0	21.43	21.52	33.00	PASS
Band25	3MHz	16QAM	26675	1RB#0	22.57	22.66	33.00	PASS
Band25	3MHz	16QAM	26675	1RB#8	22.61	22.70	33.00	PASS
Band25	3MHz	16QAM	26675	1RB#14	22.45	22.54	33.00	PASS
Band25	3MHz	16QAM	26675	15RB#0	21.39	21.48	33.00	PASS
Band25	5MHz	QPSK	26065	1RB#0	23.47	23.56	33.00	PASS
Band25	5MHz	QPSK	26065	1RB#12	23.51	23.60	33.00	PASS
Band25	5MHz	QPSK	26065	1RB#24	23.49	23.58	33.00	PASS
Band25	5MHz	QPSK	26065	25RB#0	22.49	22.58	33.00	PASS
Band25	5MHz	QPSK	26365	1RB#0	23.36	23.45	33.00	PASS
Band25	5MHz	QPSK	26365	1RB#12	23.40	23.49	33.00	PASS
Band25	5MHz	QPSK	26365	1RB#24	23.40	23.49	33.00	PASS
Band25	5MHz	QPSK	26365	25RB#0	22.44	22.53	33.00	PASS
Band25	5MHz	QPSK	26665	1RB#0	23.34	23.43	33.00	PASS



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Band25	5MHz	QPSK	26665	1RB#24	23.29	23.38	33.00	PASS
Band25	5MHz	QPSK	26665	25RB#0	22.36	22.45	33.00	PASS
Band25	5MHz	16QAM	26065	1RB#0	22.68	22.77	33.00	PASS
Band25	5MHz	16QAM	26065	1RB#12	22.83	22.92	33.00	PASS
Band25	5MHz	16QAM	26065	1RB#24	22.75	22.84	33.00	PASS
Band25	5MHz	16QAM	26065	25RB#0	21.51	21.60	33.00	PASS
Band25	5MHz	16QAM	26365	1RB#0	22.73	22.82	33.00	PASS
Band25	5MHz	16QAM	26365	1RB#12	22.75	22.84	33.00	PASS
Band25	5MHz	16QAM	26365	1RB#24	22.76	22.85	33.00	PASS
Band25	5MHz	16QAM	26365	25RB#0	21.44	21.53	33.00	PASS
Band25	5MHz	16QAM	26665	1RB#0	22.50	22.59	33.00	PASS
Band25	5MHz	16QAM	26665	1RB#12	22.55	22.64	33.00	PASS
Band25	5MHz	16QAM	26665	1RB#24	22.54	22.63	33.00	PASS
Band25	5MHz	16QAM	26665	25RB#0	21.41	21.50	33.00	PASS
Band25	10MHz	QPSK	26090	1RB#0	23.42	23.51	33.00	PASS
Band25	10MHz	QPSK	26090	1RB#24	23.49	23.58	33.00	PASS
Band25	10MHz	QPSK	26090	1RB#49	23.42	23.51	33.00	PASS
Band25	10MHz	QPSK	26090	50RB#0	22.44	22.53	33.00	PASS
Band25	10MHz	QPSK	26365	1RB#0	23.37	23.46	33.00	PASS
Band25	10MHz	QPSK	26365	1RB#24	23.38	23.47	33.00	PASS
Band25	10MHz	QPSK	26365	1RB#49	23.38	23.47	33.00	PASS
Band25	10MHz	QPSK	26365	50RB#0	22.44	22.53	33.00	PASS
Band25	10MHz	QPSK	26640	1RB#0	23.25	23.34	33.00	PASS
Band25	10MHz	QPSK	26640	1RB#24	23.31	23.40	33.00	PASS
Band25	10MHz	QPSK	26640	1RB#49	23.29	23.38	33.00	PASS
Band25	10MHz	QPSK	26640	50RB#0	22.38	22.47	33.00	PASS
Band25	10MHz	16QAM	26090	1RB#0	22.79	22.88	33.00	PASS
Band25	10MHz	16QAM	26090	1RB#24	22.80	22.89	33.00	PASS
Band25	10MHz	16QAM	26090	1RB#49	22.76	22.85	33.00	PASS
Band25	10MHz	16QAM	26090	50RB#0	21.44	21.53	33.00	PASS
Band25	10MHz	16QAM	26365	1RB#0	22.68	22.77	33.00	PASS



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Band25	10MHz	16QAM	26365	1RB#24	22.63	22.72	33.00	PASS
Band25	10MHz	16QAM	26365	1RB#49	22.68	22.77	33.00	PASS
Band25	10MHz	16QAM	26365	50RB#0	21.42	21.51	33.00	PASS
Band25	10MHz	16QAM	26640	1RB#0	22.55	22.64	33.00	PASS
Band25	10MHz	16QAM	26640	1RB#24	22.64	22.73	33.00	PASS
Band25	10MHz	16QAM	26640	1RB#49	22.54	22.63	33.00	PASS
Band25	10MHz	16QAM	26640	50RB#0	21.38	21.47	33.00	PASS
Band25	15MHz	QPSK	26115	1RB#0	23.39	23.48	33.00	PASS
Band25	15MHz	QPSK	26115	1RB#38	23.46	23.55	33.00	PASS
Band25	15MHz	QPSK	26115	1RB#74	23.44	23.53	33.00	PASS
Band25	15MHz	QPSK	26115	75RB#0	22.48	22.57	33.00	PASS
Band25	15MHz	QPSK	26365	1RB#0	23.34	23.43	33.00	PASS
Band25	15MHz	QPSK	26365	1RB#38	23.37	23.46	33.00	PASS
Band25	15MHz	QPSK	26365	1RB#74	23.37	23.46	33.00	PASS
Band25	15MHz	QPSK	26365	75RB#0	22.40	22.49	33.00	PASS
Band25	15MHz	QPSK	26615	1RB#0	23.14	23.23	33.00	PASS
Band25	15MHz	QPSK	26615	1RB#38	23.30	23.39	33.00	PASS
Band25	15MHz	QPSK	26615	1RB#74	23.19	23.28	33.00	PASS
Band25	15MHz	QPSK	26615	75RB#0	22.36	22.45	33.00	PASS
Band25	15MHz	16QAM	26115	1RB#0	22.78	22.87	33.00	PASS
Band25	15MHz	16QAM	26115	1RB#38	22.79	22.88	33.00	PASS
Band25	15MHz	16QAM	26115	1RB#74	22.77	22.86	33.00	PASS
Band25	15MHz	16QAM	26115	75RB#0	21.47	21.56	33.00	PASS
Band25	15MHz	16QAM	26365	1RB#0	22.58	22.67	33.00	PASS
Band25	15MHz	16QAM	26365	1RB#38	22.60	22.69	33.00	PASS
Band25	15MHz	16QAM	26365	1RB#74	22.78	22.87	33.00	PASS
Band25	15MHz	16QAM	26365	75RB#0	21.43	21.52	33.00	PASS
Band25	15MHz	16QAM	26615	1RB#0	22.33	22.42	33.00	PASS
Band25	15MHz	16QAM	26615	1RB#38	22.52	22.61	33.00	PASS
Band25	15MHz	16QAM	26615	1RB#74	22.51	22.60	33.00	PASS
Band25	15MHz	16QAM	26615	75RB#0	21.32	21.41	33.00	PASS
Band25	20MHz	QPSK	26140	1RB#0	23.31	23.40	33.00	PASS



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Band25	20MHz	QPSK	26140	1RB#99	23.40	23.49	33.00	PASS
Band25	20MHz	QPSK	26140	100RB#0	22.49	22.58	33.00	PASS
Band25	20MHz	QPSK	26365	1RB#0	23.23	23.32	33.00	PASS
Band25	20MHz	QPSK	26365	1RB#49	23.35	23.44	33.00	PASS
Band25	20MHz	QPSK	26365	1RB#99	23.34	23.43	33.00	PASS
Band25	20MHz	QPSK	26365	100RB#0	22.39	22.48	33.00	PASS
Band25	20MHz	QPSK	26590	1RB#0	23.27	23.36	33.00	PASS
Band25	20MHz	QPSK	26590	1RB#49	23.24	23.33	33.00	PASS
Band25	20MHz	QPSK	26590	1RB#99	23.24	23.33	33.00	PASS
Band25	20MHz	QPSK	26590	100RB#0	22.37	22.46	33.00	PASS
Band25	20MHz	16QAM	26140	1RB#0	22.64	22.73	33.00	PASS
Band25	20MHz	16QAM	26140	1RB#49	22.78	22.87	33.00	PASS
Band25	20MHz	16QAM	26140	1RB#99	22.71	22.80	33.00	PASS
Band25	20MHz	16QAM	26140	100RB#0	21.49	21.58	33.00	PASS
Band25	20MHz	16QAM	26365	1RB#0	22.52	22.61	33.00	PASS
Band25	20MHz	16QAM	26365	1RB#49	22.60	22.69	33.00	PASS
Band25	20MHz	16QAM	26365	1RB#99	22.65	22.74	33.00	PASS
Band25	20MHz	16QAM	26365	100RB#0	21.40	21.49	33.00	PASS
Band25	20MHz	16QAM	26590	1RB#0	22.58	22.67	33.00	PASS
Band25	20MHz	16QAM	26590	1RB#49	22.45	22.54	33.00	PASS
Band25	20MHz	16QAM	26590	1RB#99	22.49	22.58	33.00	PASS
Band25	20MHz	16QAM	26590	100RB#0	21.39	21.48	33.00	PASS



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Peak-to-Average Ratio(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band25	20MHz	QPSK	26140	100RB#0	5.40	13	PASS
Band25	20MHz	QPSK	26365	100RB#0	5.70	13	PASS
Band25	20MHz	QPSK	26590	100RB#0	5.64	13	PASS
Band25	20MHz	16QAM	26140	100RB#0	6.16	13	PASS
Band25	20MHz	16QAM	26365	100RB#0	6.42	13	PASS
Band25	20MHz	16QAM	26590	100RB#0	6.44	13	PASS



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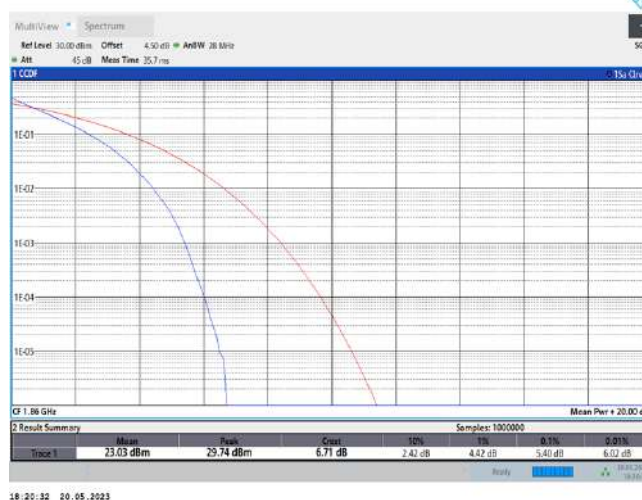
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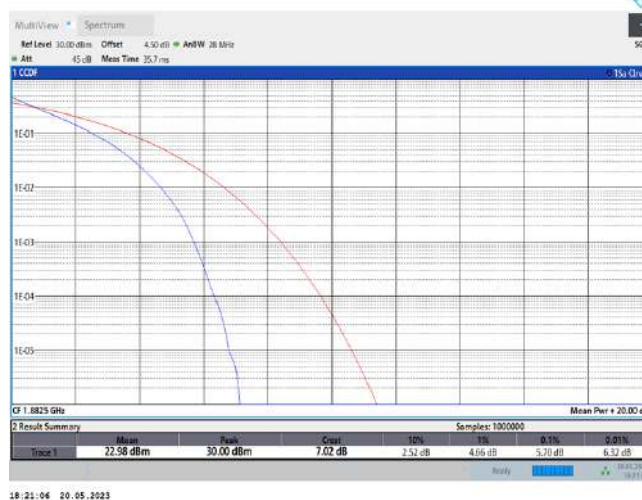
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Test Graphs

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



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



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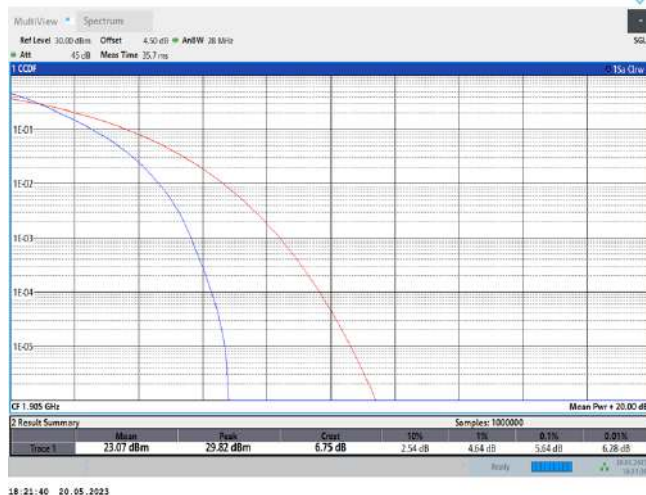
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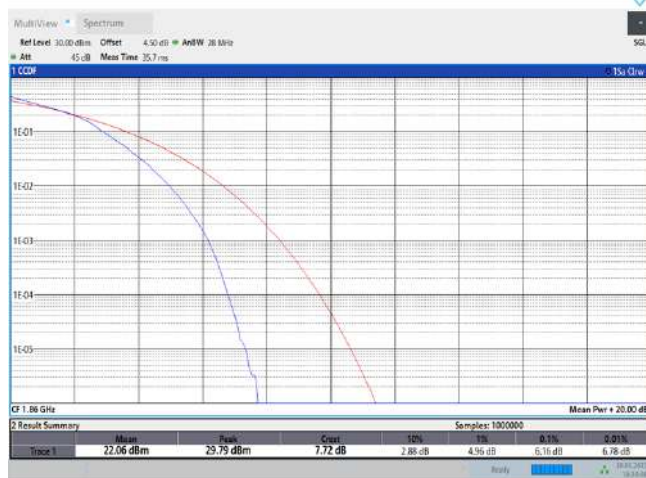
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Band25-20MHz-QPSK-26590-100RB#0



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



18:20:49 20.05.2023



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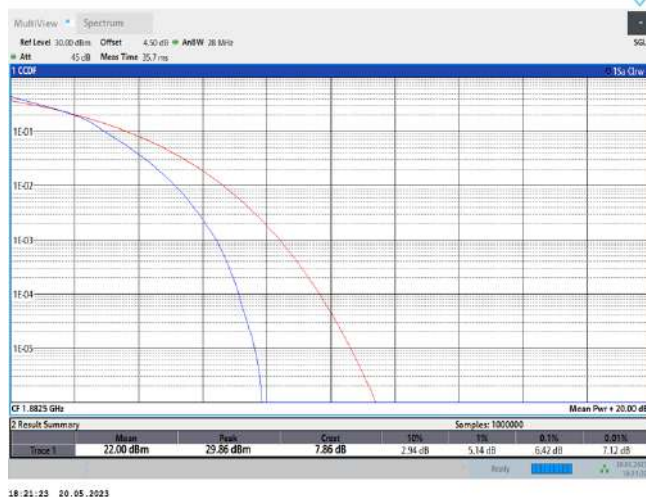
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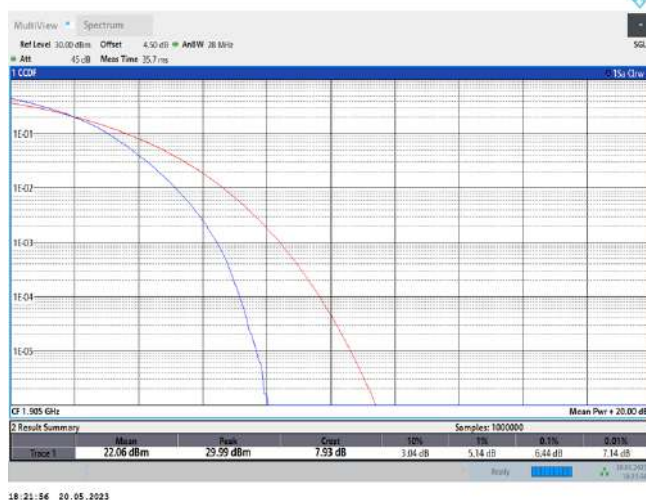
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Band25-20MHz-16QAM-26365-100RB#0



Band25-20MHz-16QAM-26590-100RB#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
Band25	1.4MHz	QPSK	26047	6RB#0	1.088	1.24	PASS
Band25	1.4MHz	QPSK	26365	6RB#0	1.086	1.22	PASS
Band25	1.4MHz	QPSK	26683	6RB#0	1.086	1.22	PASS
Band25	1.4MHz	16QAM	26047	6RB#0	1.094	1.23	PASS
Band25	1.4MHz	16QAM	26365	6RB#0	1.089	1.24	PASS
Band25	1.4MHz	16QAM	26683	6RB#0	1.092	1.23	PASS
Band25	3MHz	QPSK	26055	15RB#0	2.693	2.98	PASS
Band25	3MHz	QPSK	26365	15RB#0	2.694	2.97	PASS
Band25	3MHz	QPSK	26675	15RB#0	2.696	2.98	PASS
Band25	3MHz	16QAM	26055	15RB#0	2.687	2.98	PASS
Band25	3MHz	16QAM	26365	15RB#0	2.688	2.98	PASS
Band25	3MHz	16QAM	26675	15RB#0	2.687	2.99	PASS
Band25	5MHz	QPSK	26065	25RB#0	4.472	4.89	PASS
Band25	5MHz	QPSK	26365	25RB#0	4.473	4.89	PASS
Band25	5MHz	QPSK	26665	25RB#0	4.471	4.90	PASS
Band25	5MHz	16QAM	26065	25RB#0	4.469	4.91	PASS
Band25	5MHz	16QAM	26365	25RB#0	4.472	4.90	PASS
Band25	5MHz	16QAM	26665	25RB#0	4.464	4.91	PASS
Band25	10MHz	QPSK	26090	50RB#0	8.945	9.68	PASS
Band25	10MHz	QPSK	26365	50RB#0	8.949	9.70	PASS
Band25	10MHz	QPSK	26640	50RB#0	8.924	9.66	PASS
Band25	10MHz	16QAM	26090	50RB#0	8.916	9.64	PASS
Band25	10MHz	16QAM	26365	50RB#0	8.922	9.66	PASS
Band25	10MHz	16QAM	26640	50RB#0	8.912	9.58	PASS
Band25	15MHz	QPSK	26115	75RB#0	13.449	14.73	PASS
Band25	15MHz	QPSK	26365	75RB#0	13.467	14.76	PASS
Band25	15MHz	QPSK	26615	75RB#0	13.455	14.67	PASS
Band25	15MHz	16QAM	26115	75RB#0	13.457	14.76	PASS



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Band25	15MHz	16QAM	26365	75RB#0	13.456	14.73	PASS
Band25	15MHz	16QAM	26615	75RB#0	13.452	14.79	PASS
Band25	20MHz	QPSK	26140	100RB#0	17.909	19.52	PASS
Band25	20MHz	QPSK	26365	100RB#0	17.940	19.48	PASS
Band25	20MHz	QPSK	26590	100RB#0	17.907	19.36	PASS
Band25	20MHz	16QAM	26140	100RB#0	17.887	19.36	PASS
Band25	20MHz	16QAM	26365	100RB#0	17.892	19.40	PASS
Band25	20MHz	16QAM	26590	100RB#0	17.879	19.28	PASS



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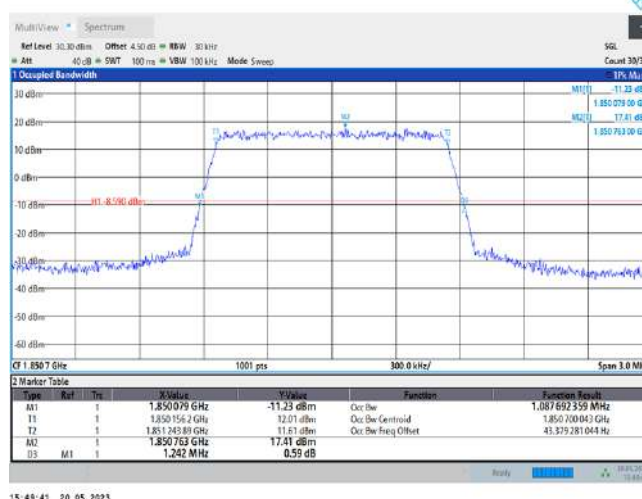
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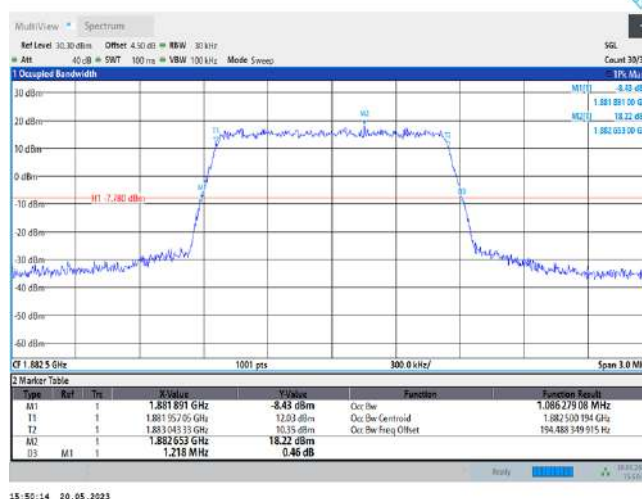
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Test Graphs

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



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



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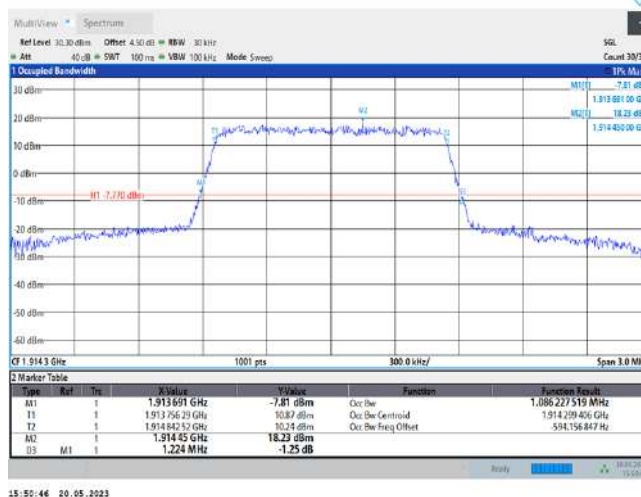
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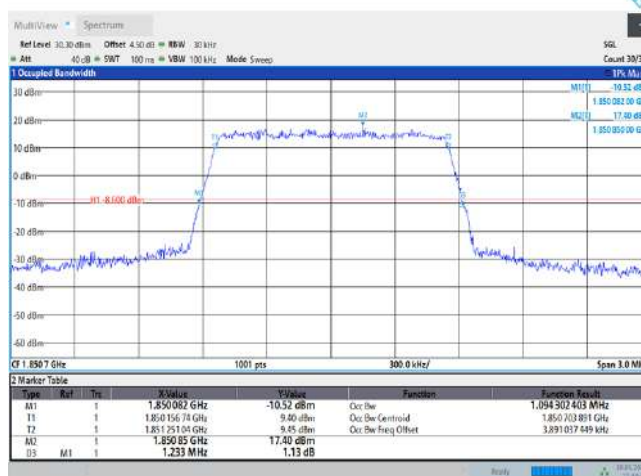
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Band25-1.4MHz-QPSK-26683-6RB#0



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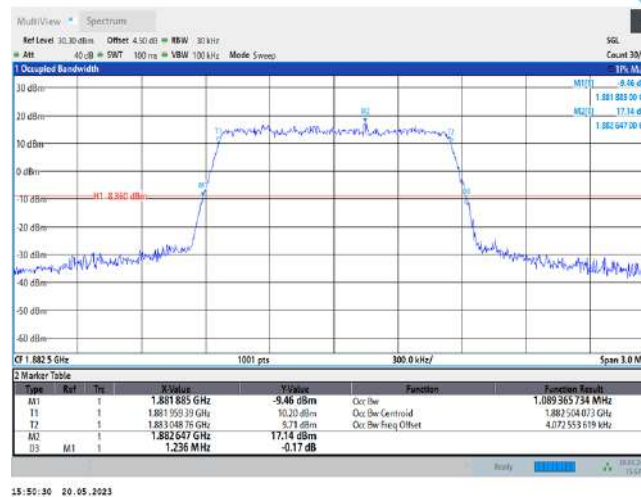
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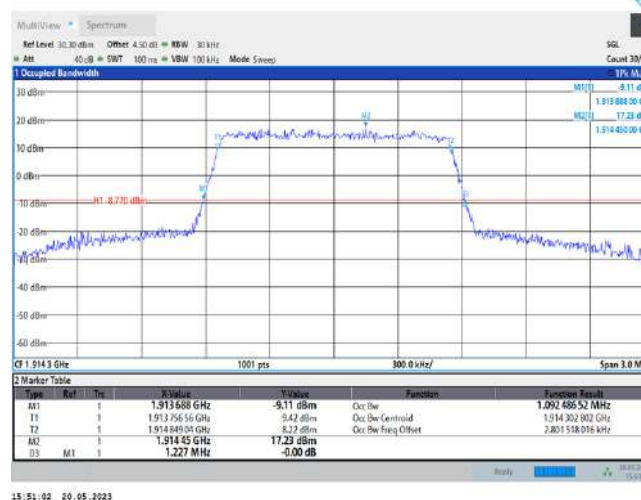
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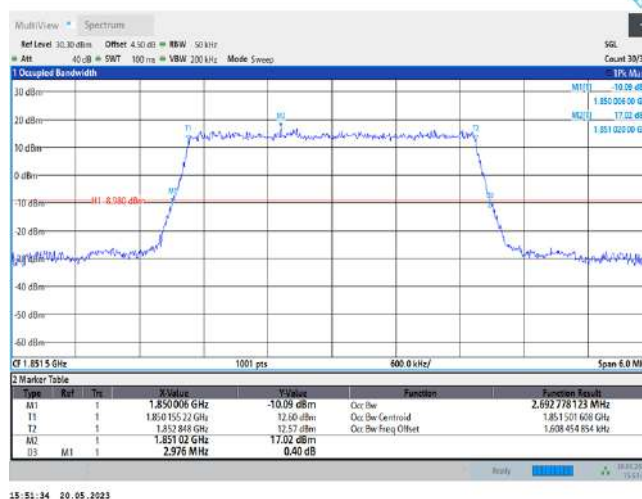
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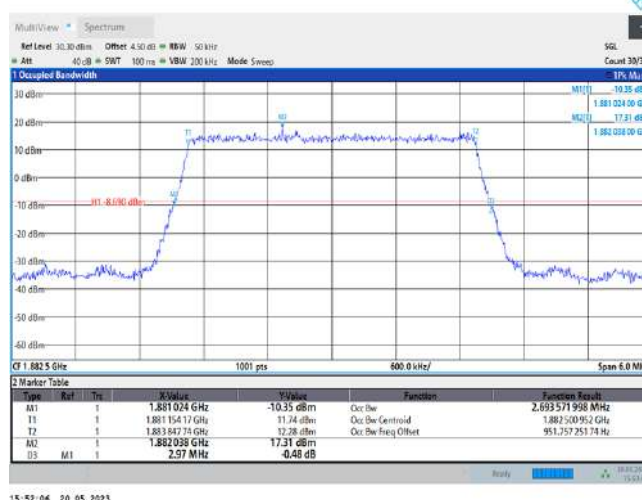
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Band25-3MHz-QPSK-26055-15RB#0



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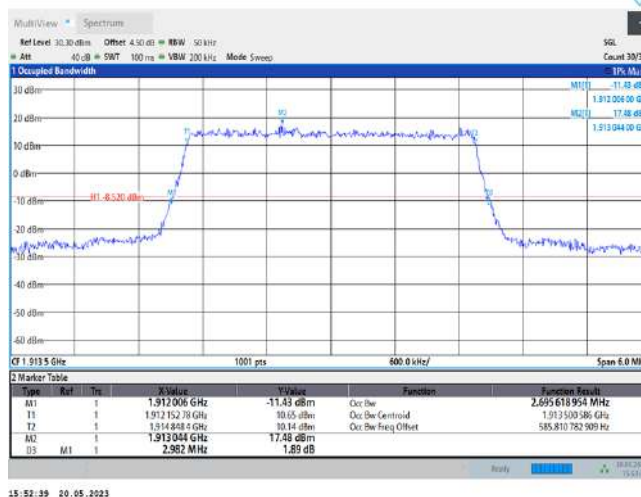
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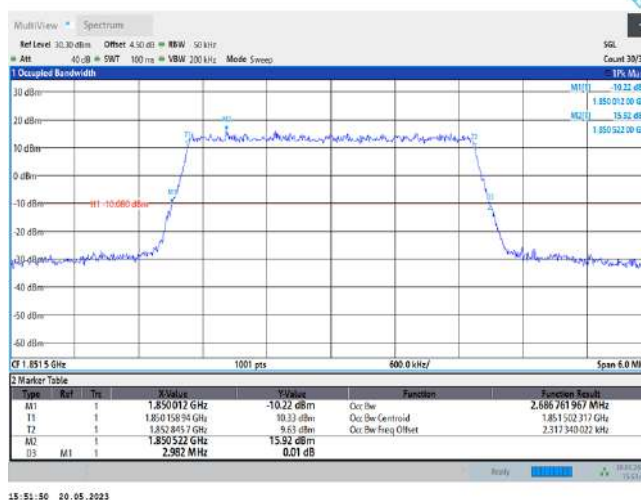
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Band25-3MHz-QPSK-26675-15RB#0



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



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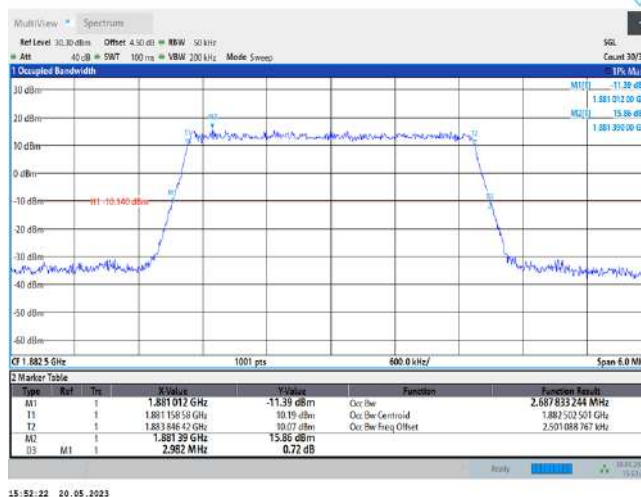
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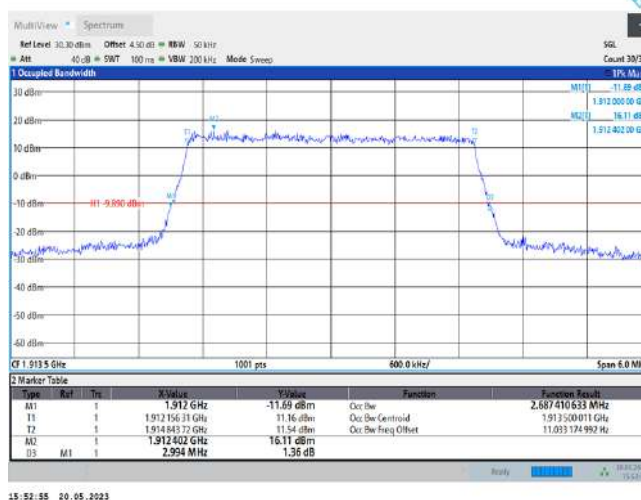
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Band25-3MHz-16QAM-26365-15RB#0



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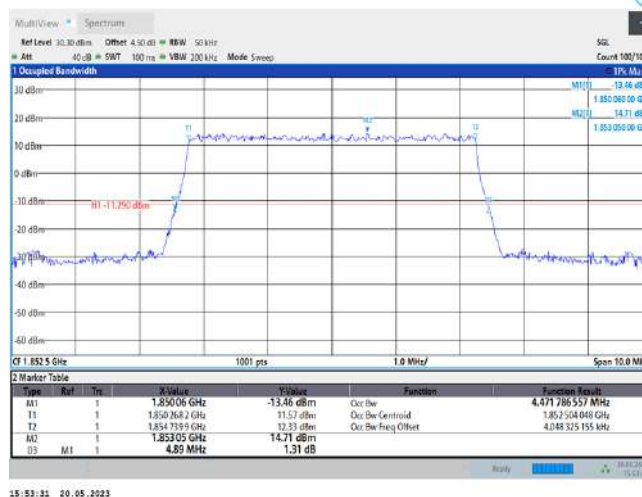


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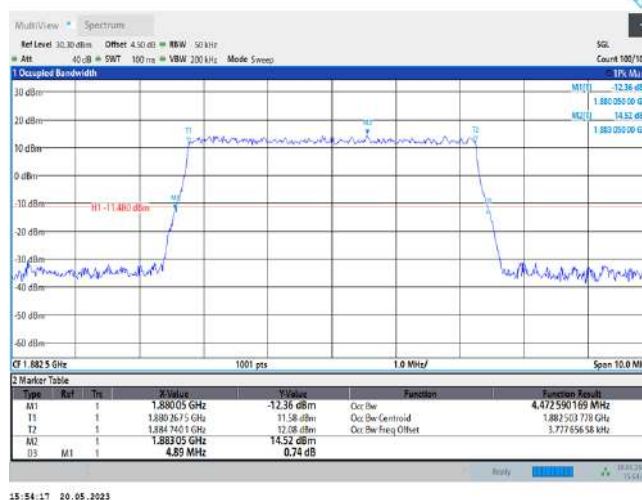
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Band25-5MHz-QPSK-26065-25RB#0



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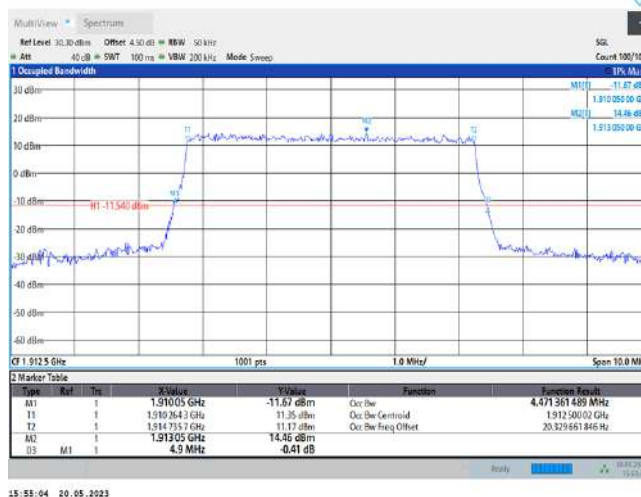
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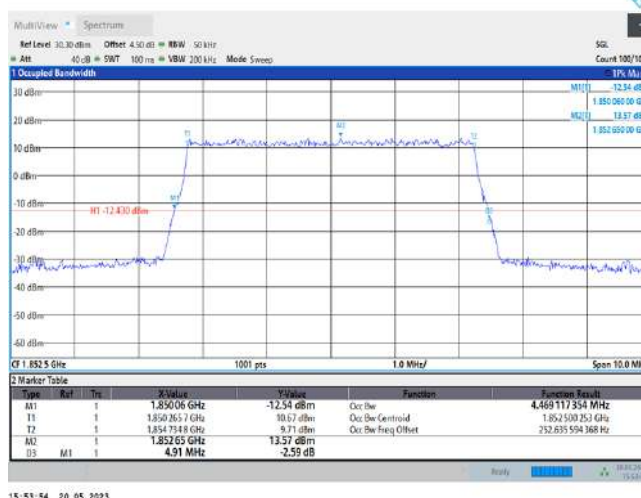
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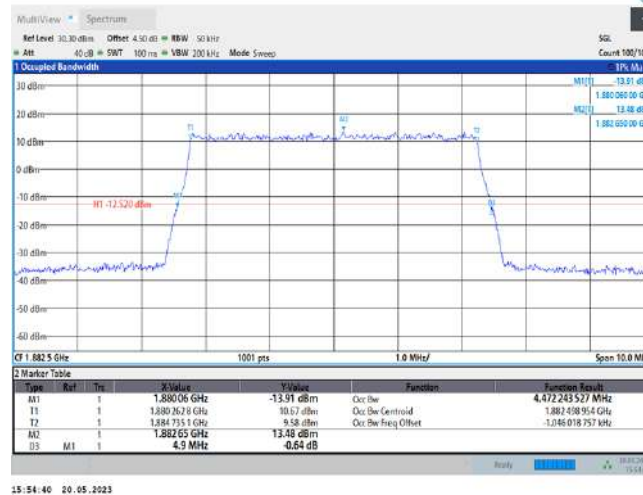


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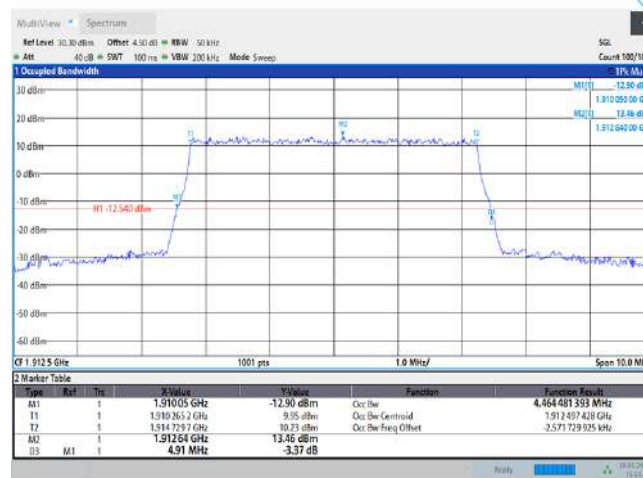
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Band25-5MHz-16QAM-26365-25RB#0



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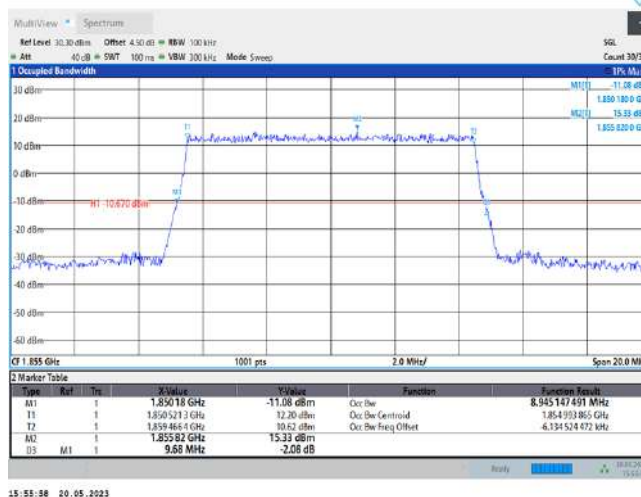
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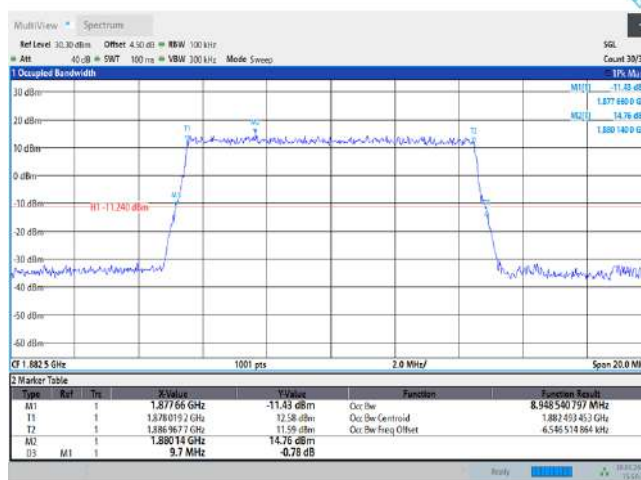
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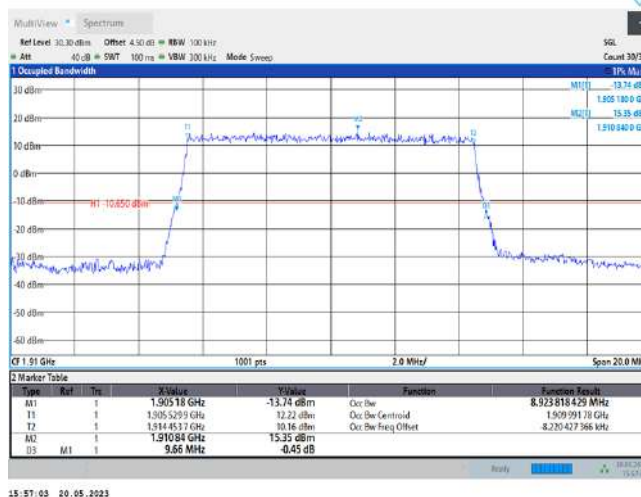
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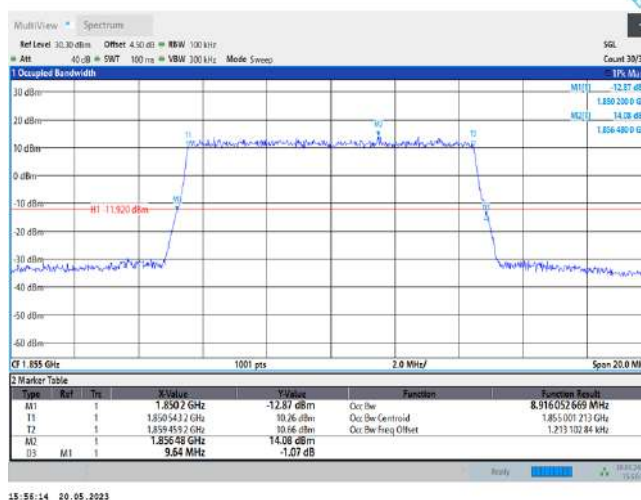
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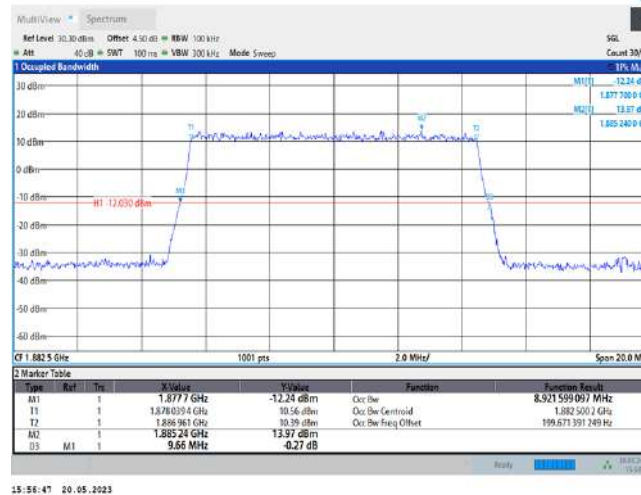
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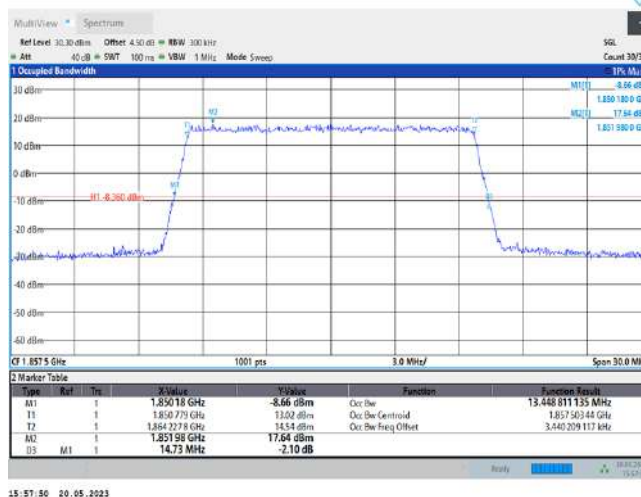


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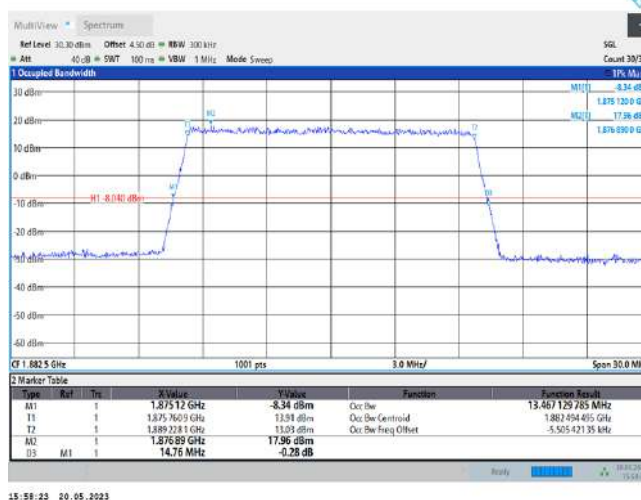
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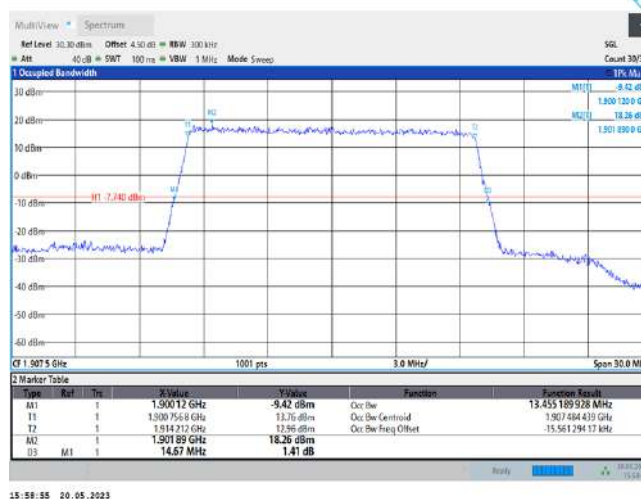
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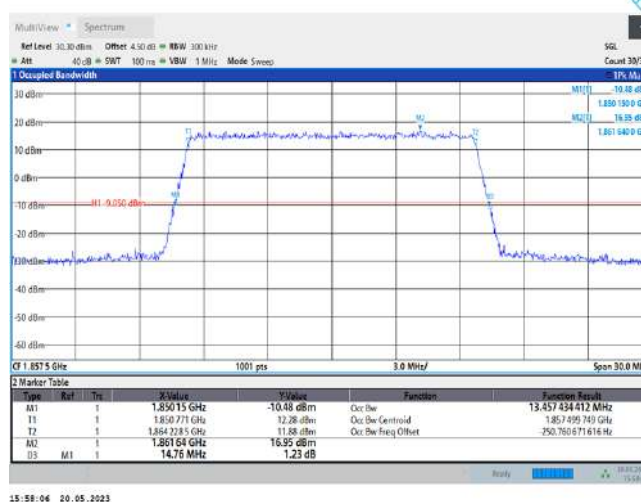
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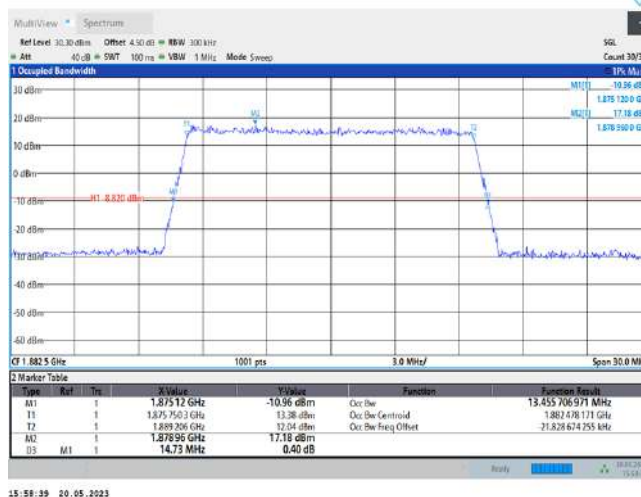
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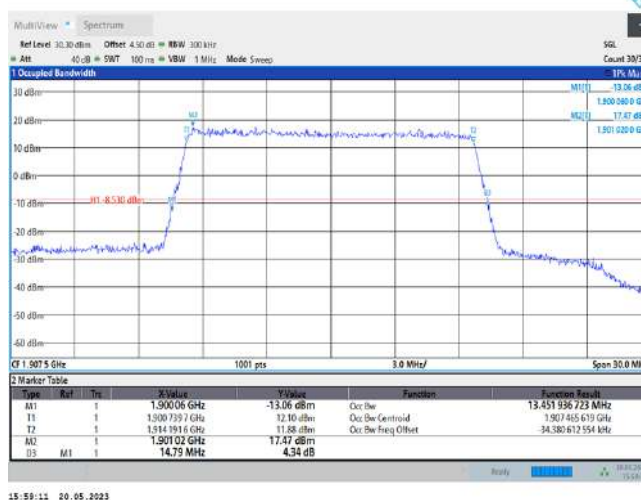
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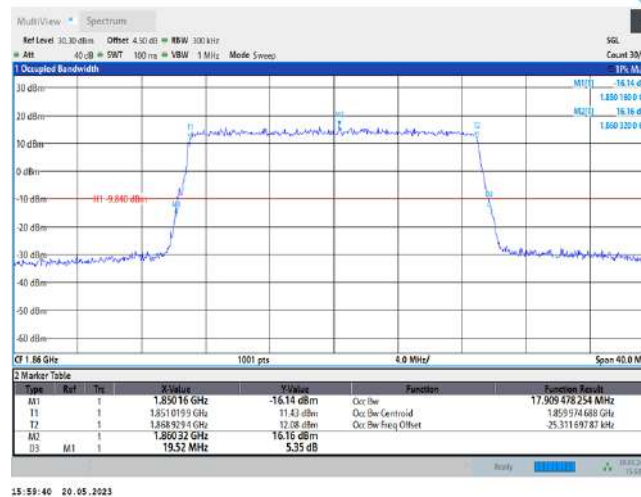
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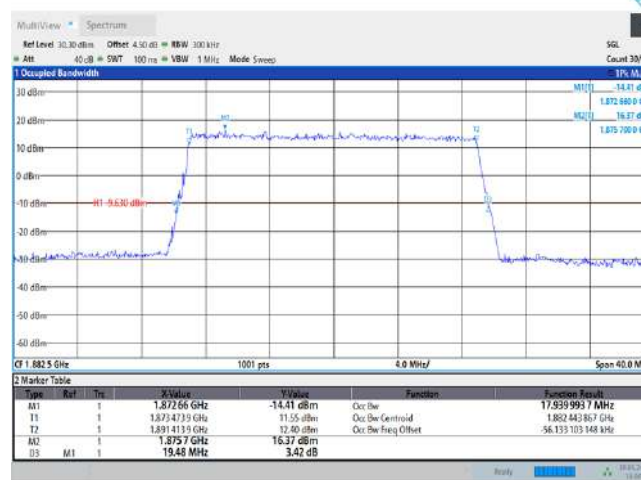
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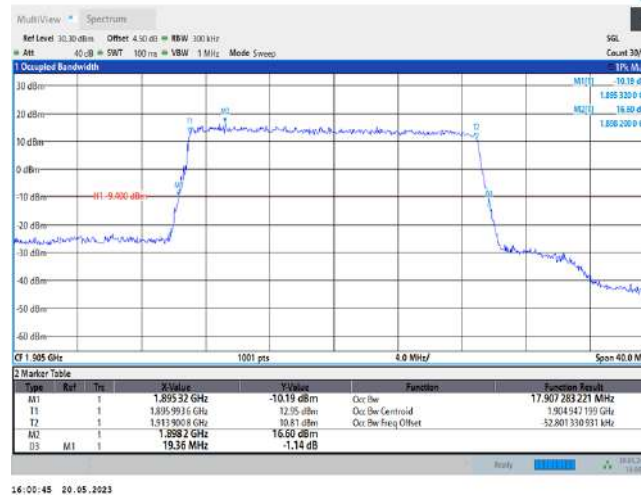
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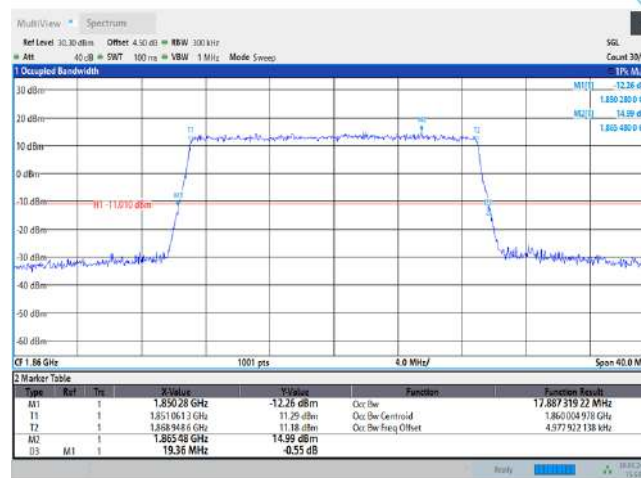
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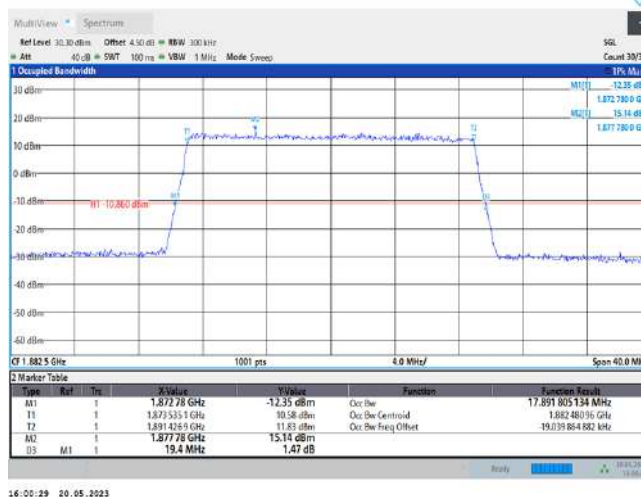
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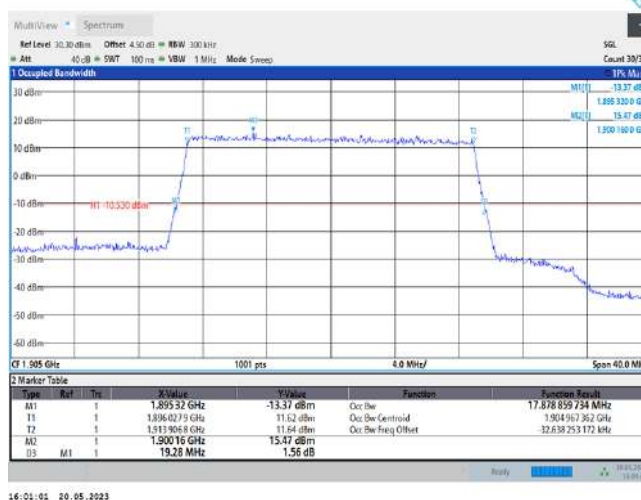
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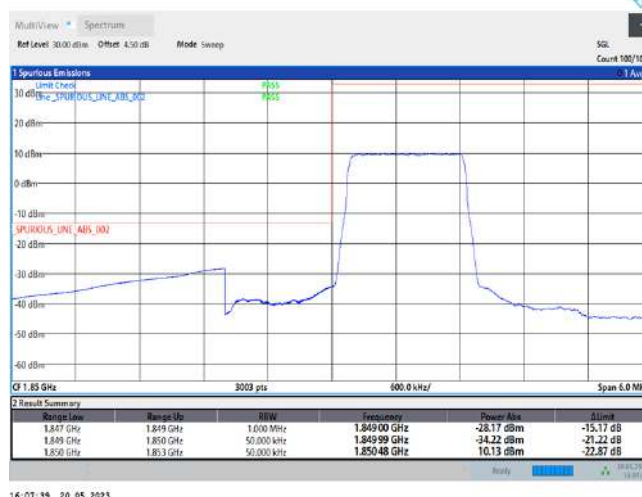
Band Edge

Test Graphs

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



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



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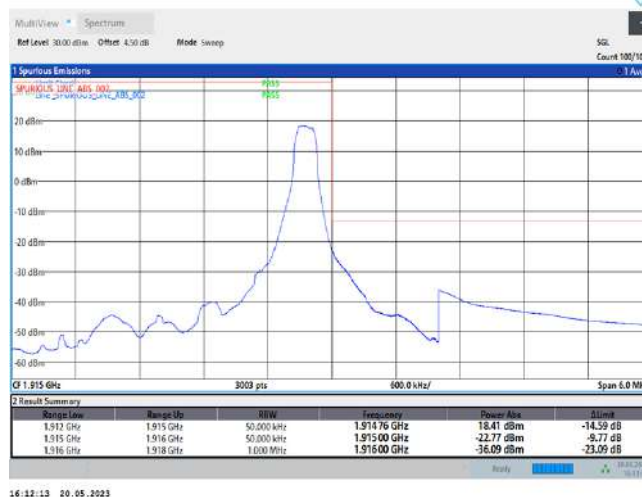
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Band25-1.4MHz-QPSK-26683-1RB#5



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



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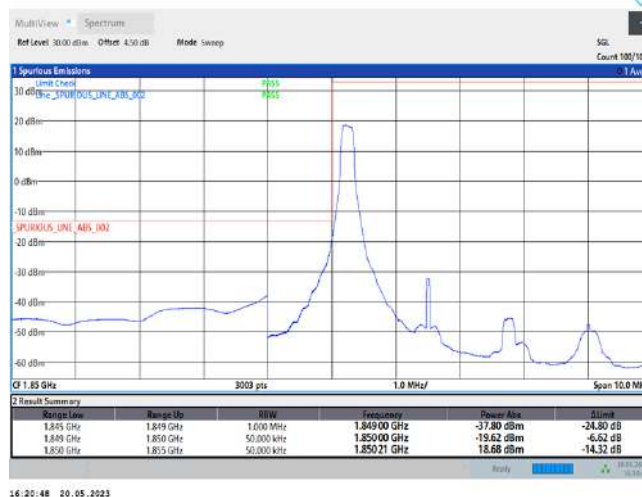
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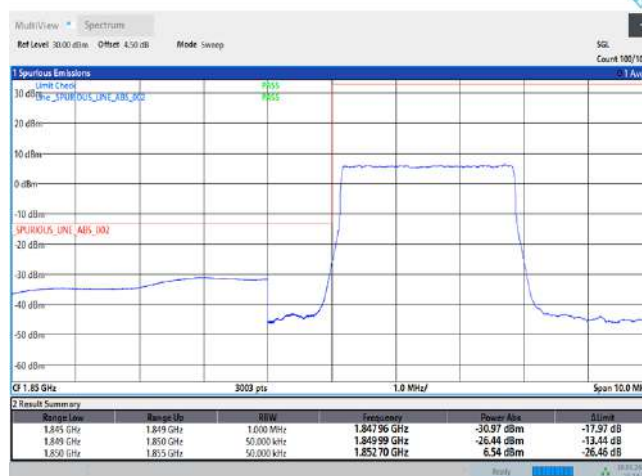
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Band25-3MHz-QPSK-26055-1RB#0



16:20:48 20.05.2023

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



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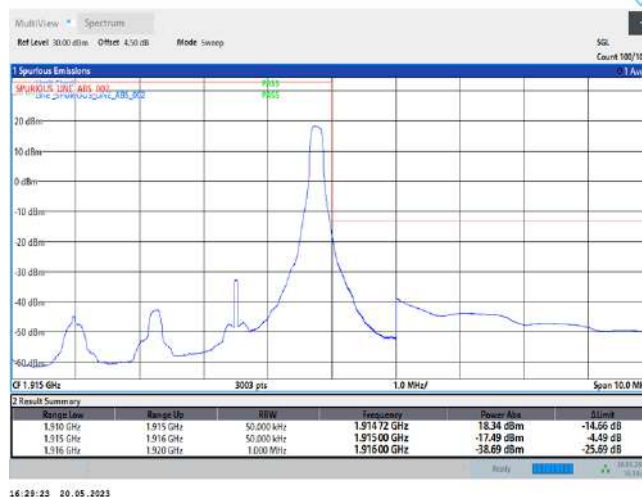
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Band25-3MHz-QPSK-26675-1RB#14



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



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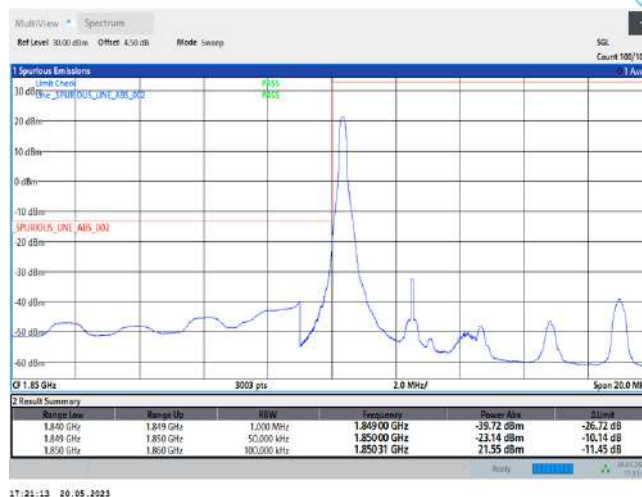
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Band25-5MHz-QPSK-26065-25RB#0



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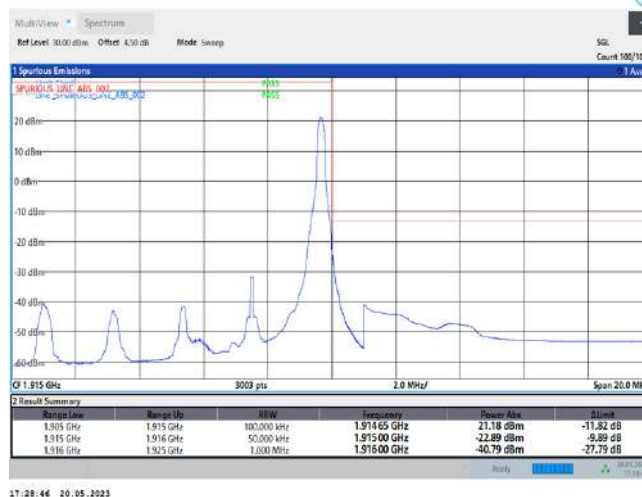
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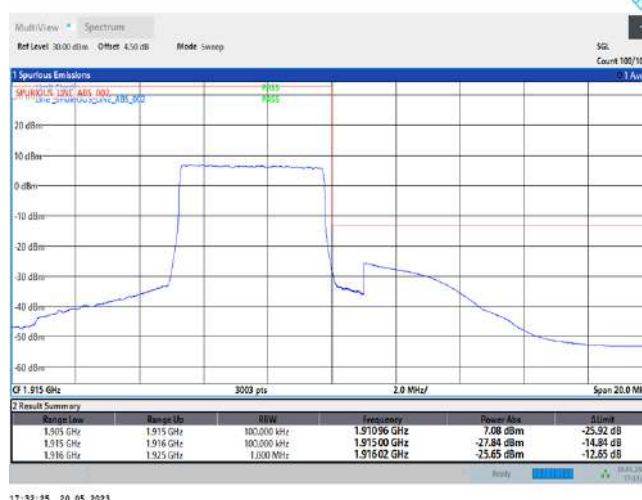
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Band25-5MHz-QPSK-26665-1RB#24



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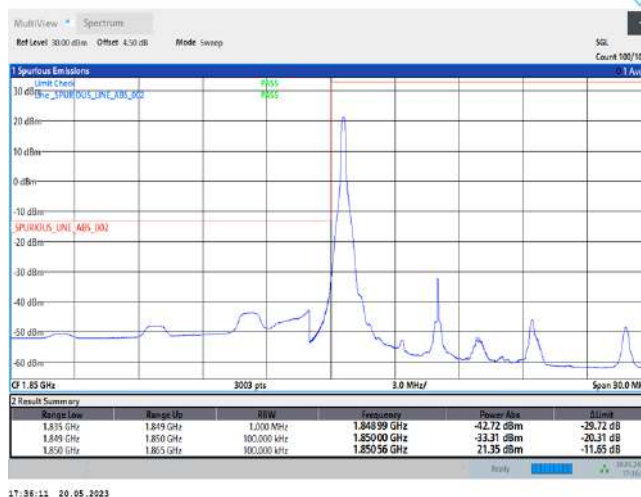
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Band25-10MHz-QPSK-26090-50RB#0



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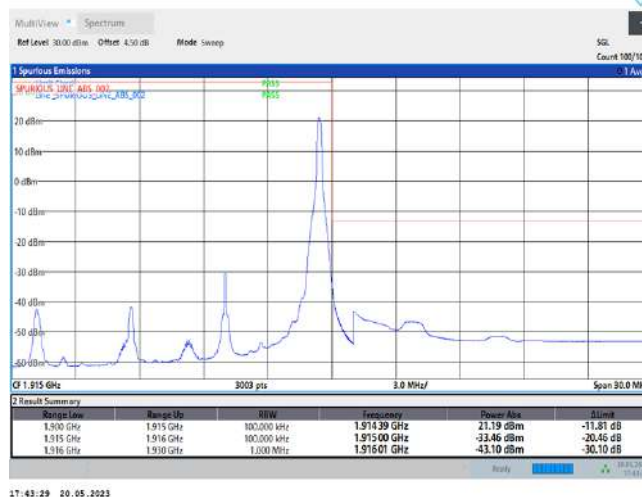
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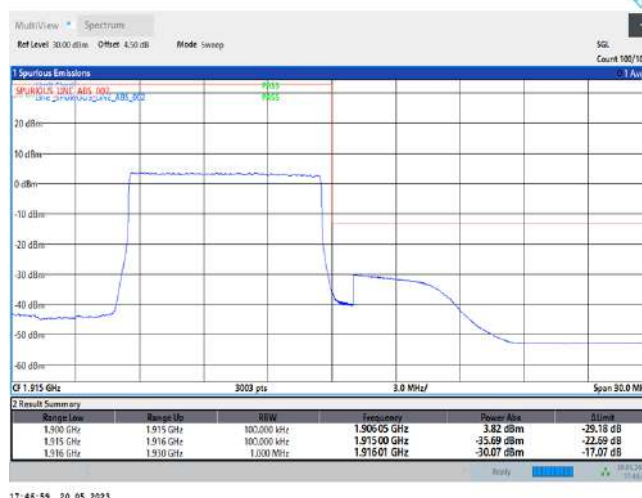
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Band25-10MHz-QPSK-26640-50RB#0



17:46:59 20.05.2023



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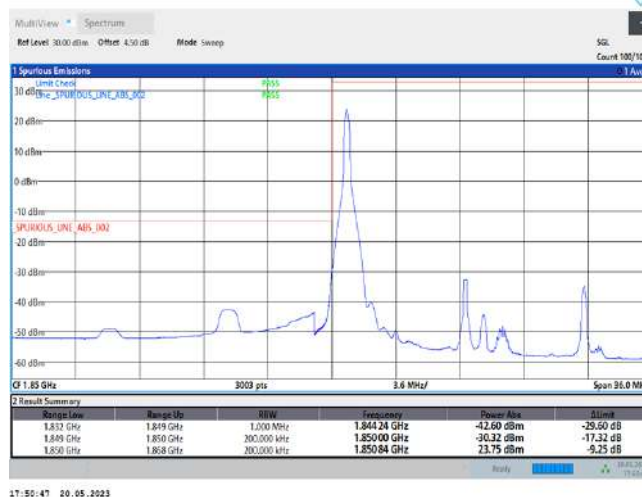
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Band25-15MHz-QPSK-26115-75RB#0



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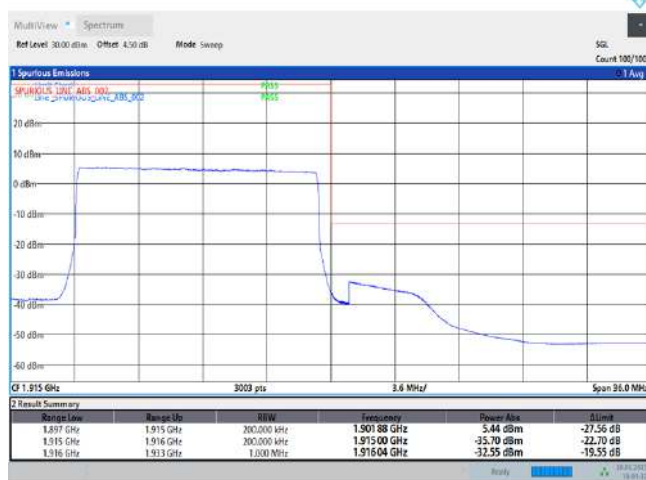
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Band25-15MHz-QPSK-26615-75RB#0



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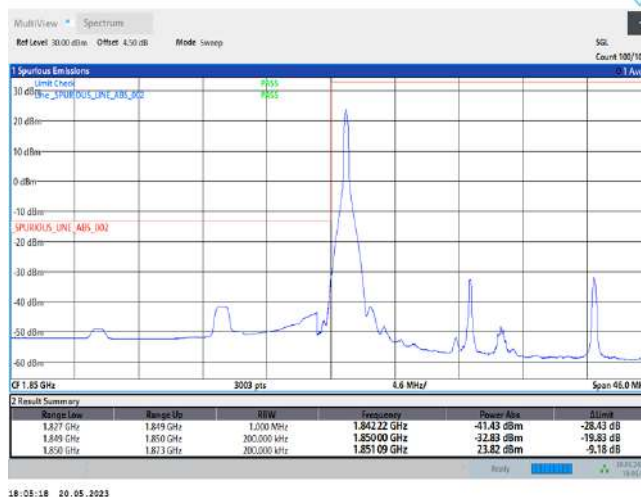
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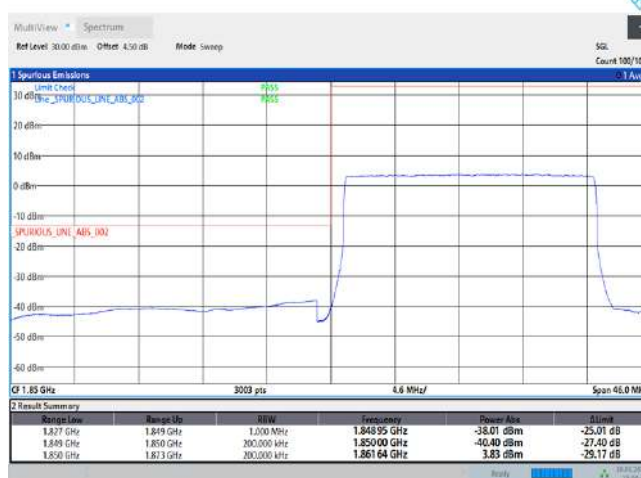
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Band25-20MHz-QPSK-26590-100RB#0



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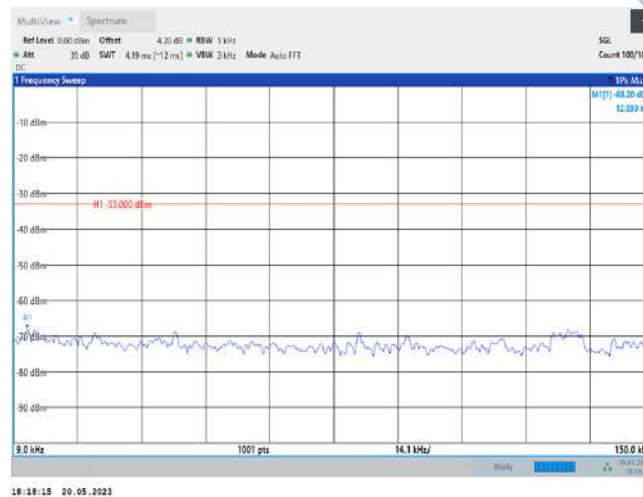
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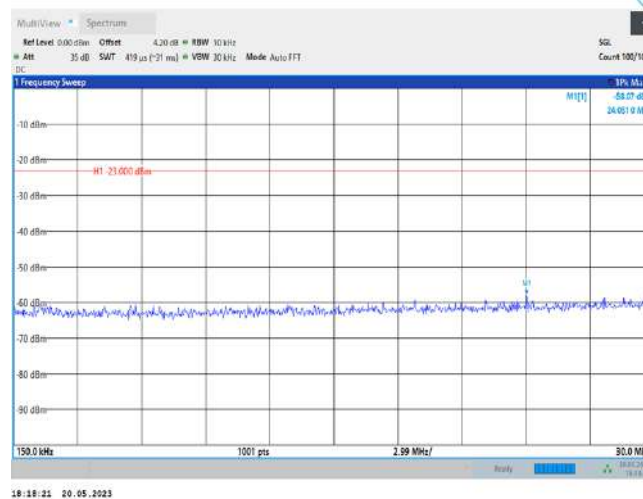
Conducted Spurious Emission

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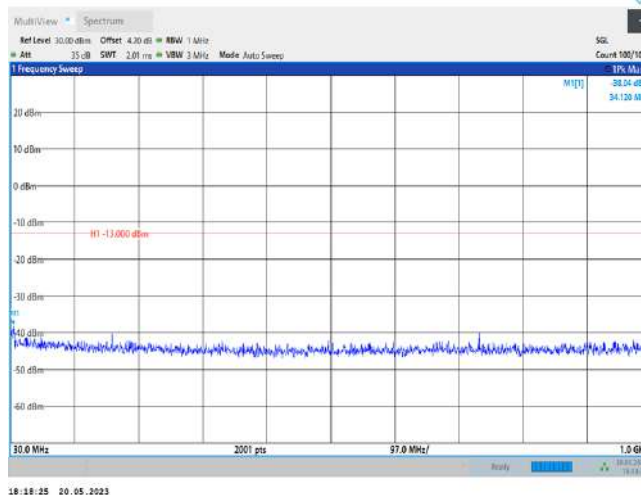
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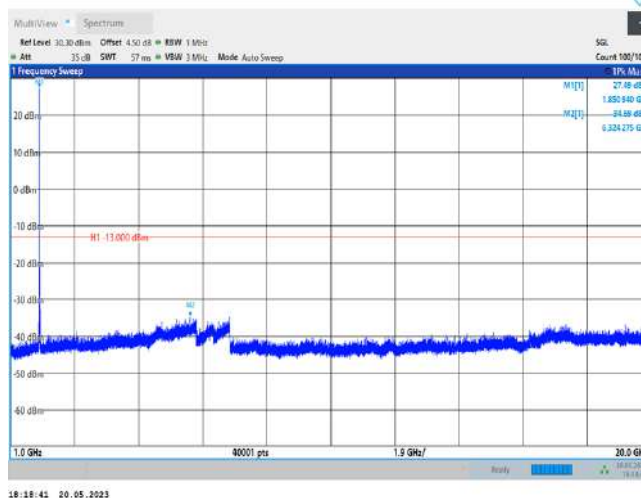
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Band25-20MHz-QPSK-26140-1RB#0-Range3:30~1000MHz



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



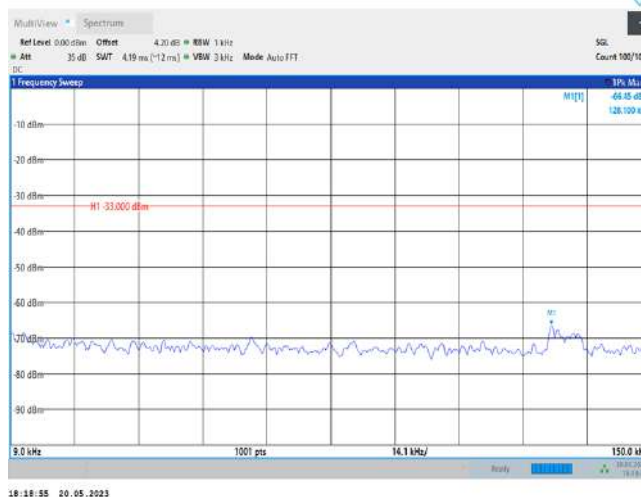
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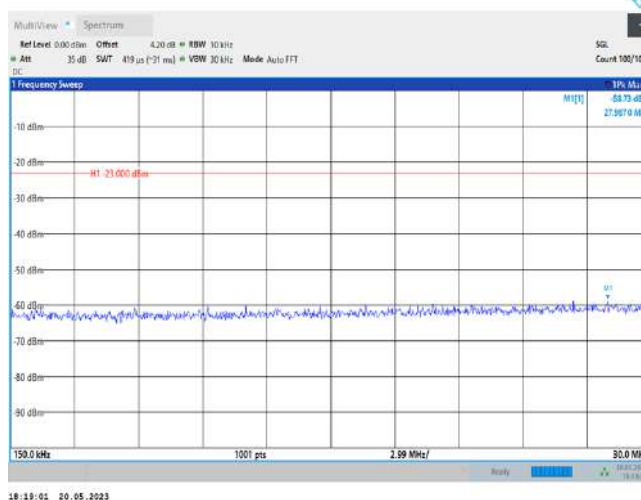
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Band25-20MHz-QPSK-26365-1RB#0-Range1:0.009~0.15MHz



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



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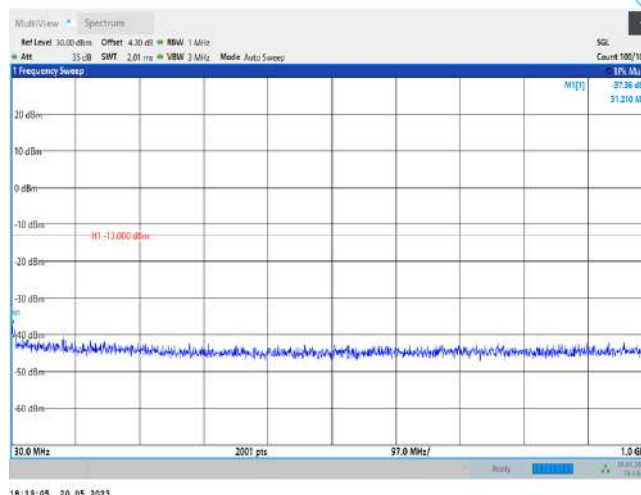
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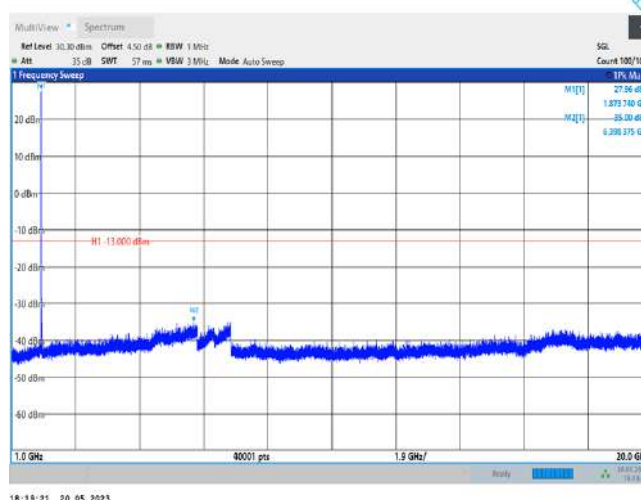
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Band25-20MHz-QPSK-26365-1RB#0-Range3:30~1000MHz



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



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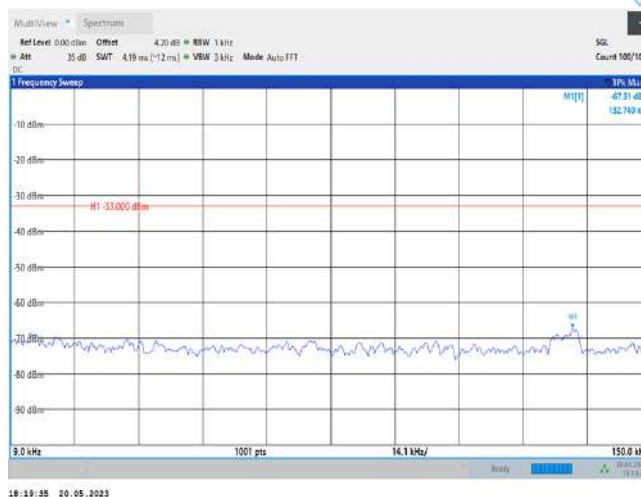
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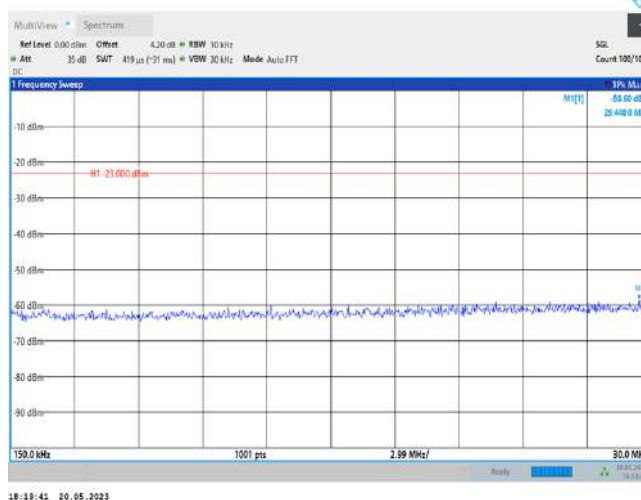
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Band25-20MHz-QPSK-26590-1RB#0-Range1:0.009~0.15MHz



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



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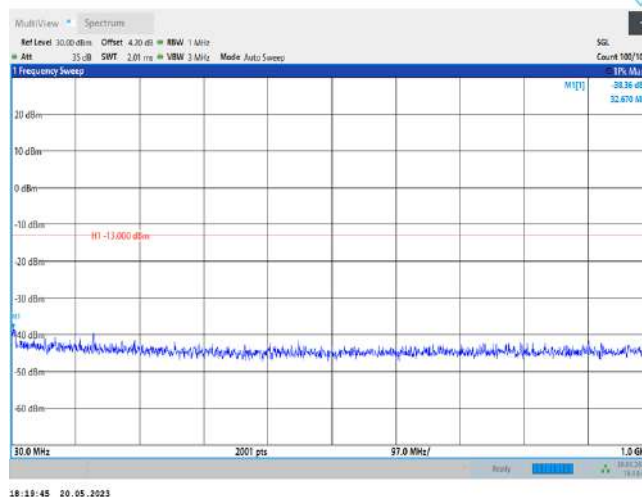
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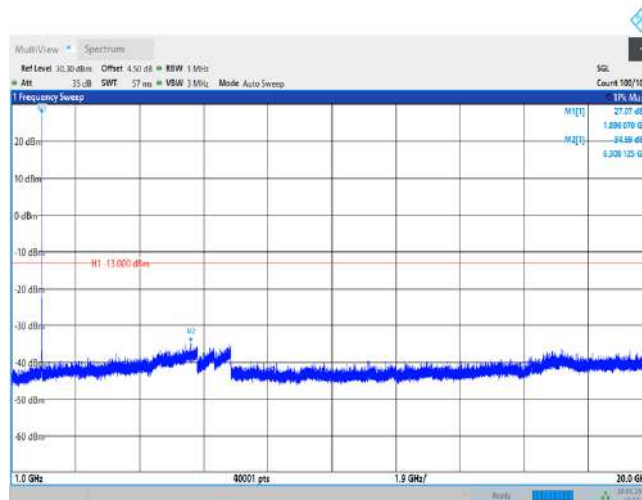
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Band25-20MHz-QPSK-26590-1RB#0-Range3:30~1000MHz



18:19:45 20.05.2023

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



18:20:01 20.05.2023



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Field Strength of Spurious Radiation

Test Band = LTE Band 25_20MHz_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	43.73	-45.69	29.89	-67.34	-13.00	54.34	196	25	Horizontal
2	5553.27	40.61	-43.87	32.77	-65.75	-13.00	52.75	265	92	Horizontal
3	7404.36	39.22	-41.96	36.44	-61.56	-13.00	48.56	284	12	Horizontal
4	9255.45	33.08	-38.39	38.57	-62.00	-13.00	49.00	254	12	Horizontal
5	11106.54	31.99	-35.35	39.49	-59.13	-13.00	46.13	142	41	Horizontal
6	12957.63	33.46	-34.89	39.56	-57.14	-13.00	44.14	263	193	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	47.78	-45.69	29.89	-63.29	-13.00	50.29	196	175	Vertical
2	5553.27	40.85	-43.87	32.77	-65.51	-13.00	52.51	265	175	Vertical
3	7404.36	39.30	-41.96	36.44	-61.48	-13.00	48.48	284	158	Vertical
4	9255.45	34.27	-38.39	38.57	-60.81	-13.00	47.81	142	0	Vertical
5	11106.54	33.52	-35.35	39.49	-57.60	-13.00	44.60	263	294	Vertical
6	12957.63	34.00	-34.89	39.56	-56.60	-13.00	43.60	228	108	Vertical



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Test Band = LTE Band 25_20MHz_ 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	46.39	-45.59	29.98	-64.47	-13.00	51.47	235	26	Horizontal
2	5613.27	40.35	-43.84	32.96	-65.79	-13.00	52.79	254	156	Horizontal
3	7484.36	38.61	-41.66	36.49	-61.82	-13.00	48.82	184	13	Horizontal
4	9355.45	34.35	-38.26	38.56	-60.61	-13.00	47.61	142	228	Horizontal
5	11226.54	32.32	-35.07	39.37	-58.63	-13.00	45.63	265	173	Horizontal
6	13097.63	32.49	-34.47	39.66	-57.58	-13.00	44.58	245	93	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	52.28	-45.59	29.98	-58.58	-13.00	45.58	102	227	Vertical
2	5613.27	40.94	-43.84	32.96	-65.20	-13.00	52.20	265	357	Vertical
3	7484.36	39.74	-41.66	36.49	-60.69	-13.00	47.69	284	176	Vertical
4	9355.45	35.43	-38.26	38.56	-59.53	-13.00	46.53	142	0	Vertical
5	11226.54	34.68	-35.07	39.37	-56.27	-13.00	43.27	263	328	Vertical
6	13097.63	32.54	-34.47	39.66	-57.53	-13.00	44.53	229	74	Vertical



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Test Band = LTE Band 25_20MHz_ 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	43.14	-45.45	30.10	-67.47	-13.00	54.47	296	28	Horizontal
2	5688.27	40.41	-43.75	33.20	-65.40	-13.00	52.40	265	211	Horizontal
3	7584.36	37.57	-41.31	36.67	-62.33	-13.00	49.33	284	0	Horizontal
4	9480.45	36.70	-38.15	38.55	-58.16	-13.00	45.16	142	2	Horizontal
5	11376.54	32.34	-35.48	39.22	-59.18	-13.00	46.18	263	14	Horizontal
6	13272.63	31.50	-35.12	39.76	-59.11	-13.00	46.11	225	45	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	51.08	-45.45	30.10	-59.53	-13.00	46.53	206	243	Vertical
2	5688.27	41.19	-43.75	33.20	-64.62	-13.00	51.62	265	196	Vertical
3	7584.36	39.45	-41.31	36.67	-60.45	-13.00	47.45	295	263	Vertical
4	9480.45	36.09	-38.15	38.55	-58.77	-13.00	45.77	284	179	Vertical
5	11376.54	37.52	-35.48	39.22	-54.00	-13.00	41.00	142	212	Vertical
6	13272.63	32.28	-35.12	39.76	-58.33	-13.00	45.33	263	160	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	-3.60	-0.001563	PASS
Band25	20MHz	QPSK	26365	100RB#0	VN	NT	-6.10	-0.005427	PASS
Band25	20MHz	QPSK	26365	100RB#0	VH	NT	-7.10	-0.003687	PASS

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band25	20MHz	QPSK	26365	100RB#0	NV	-30	-8.80	-0.004675	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	-20	-1.90	-0.001009	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	-10	-12.90	-0.006853	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	0	-9.60	-0.005100	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	10	-4.60	-0.002444	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	20	-11.90	-0.006321	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	30	-4.00	-0.002125	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	40	-3.80	-0.002019	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	50	-12.80	-0.006799	PASS

---End of Attachment---



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