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Appendix B.11

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	22.79	21.89	33.00	PASS
Band25	1.4MHz	QPSK	26047	1RB#2	22.91	22.01	33.00	PASS
Band25	1.4MHz	QPSK	26047	1RB#5	22.80	21.90	33.00	PASS
Band25	1.4MHz	QPSK	26047	6RB#0	21.90	21.00	33.00	PASS
Band25	1.4MHz	QPSK	26365	1RB#0	23.03	22.13	33.00	PASS
Band25	1.4MHz	QPSK	26365	1RB#2	23.12	22.22	33.00	PASS
Band25	1.4MHz	QPSK	26365	1RB#5	22.97	22.07	33.00	PASS
Band25	1.4MHz	QPSK	26365	6RB#0	22.09	21.19	33.00	PASS
Band25	1.4MHz	QPSK	26683	1RB#0	23.35	22.45	33.00	PASS
Band25	1.4MHz	QPSK	26683	1RB#2	23.42	22.52	33.00	PASS
Band25	1.4MHz	QPSK	26683	1RB#5	23.27	22.37	33.00	PASS
Band25	1.4MHz	QPSK	26683	6RB#0	22.46	21.56	33.00	PASS
Band25	1.4MHz	16QAM	26047	1RB#0	21.97	21.07	33.00	PASS
Band25	1.4MHz	16QAM	26047	1RB#2	22.19	21.29	33.00	PASS
Band25	1.4MHz	16QAM	26047	1RB#5	22.06	21.16	33.00	PASS
Band25	1.4MHz	16QAM	26047	6RB#0	20.98	20.08	33.00	PASS
Band25	1.4MHz	16QAM	26365	1RB#0	22.24	21.34	33.00	PASS
Band25	1.4MHz	16QAM	26365	1RB#2	22.41	21.51	33.00	PASS
Band25	1.4MHz	16QAM	26365	1RB#5	22.17	21.27	33.00	PASS
Band25	1.4MHz	16QAM	26365	6RB#0	21.14	20.24	33.00	PASS
Band25	1.4MHz	16QAM	26683	1RB#0	22.44	21.54	33.00	PASS
Band25	1.4MHz	16QAM	26683	1RB#2	22.61	21.71	33.00	PASS
Band25	1.4MHz	16QAM	26683	1RB#5	22.45	21.55	33.00	PASS
Band25	1.4MHz	16QAM	26683	6RB#0	21.43	20.53	33.00	PASS
Band25	1.4MHz	64QAM	26047	1RB#0	21.01	20.11	33.00	PASS



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Band25	1.4MHz	64QAM	26047	1RB#2	21.04	20.14	33.00	PASS
Band25	1.4MHz	64QAM	26047	1RB#5	21.02	20.12	33.00	PASS
Band25	1.4MHz	64QAM	26047	6RB#0	19.87	18.97	33.00	PASS
Band25	1.4MHz	64QAM	26365	1RB#0	21.21	20.31	33.00	PASS
Band25	1.4MHz	64QAM	26365	1RB#2	21.33	20.43	33.00	PASS
Band25	1.4MHz	64QAM	26365	1RB#5	21.11	20.21	33.00	PASS
Band25	1.4MHz	64QAM	26365	6RB#0	20.08	19.18	33.00	PASS
Band25	1.4MHz	64QAM	26683	1RB#0	21.48	20.58	33.00	PASS
Band25	1.4MHz	64QAM	26683	1RB#2	21.51	20.61	33.00	PASS
Band25	1.4MHz	64QAM	26683	1RB#5	21.39	20.49	33.00	PASS
Band25	1.4MHz	64QAM	26683	6RB#0	20.39	19.49	33.00	PASS
Band25	3MHz	QPSK	26055	1RB#0	22.85	21.95	33.00	PASS
Band25	3MHz	QPSK	26055	1RB#8	22.86	21.96	33.00	PASS
Band25	3MHz	QPSK	26055	1RB#14	22.89	21.99	33.00	PASS
Band25	3MHz	QPSK	26055	15RB#0	21.90	21.00	33.00	PASS
Band25	3MHz	QPSK	26365	1RB#0	23.15	22.25	33.00	PASS
Band25	3MHz	QPSK	26365	1RB#8	23.05	22.15	33.00	PASS
Band25	3MHz	QPSK	26365	1RB#14	22.99	22.09	33.00	PASS
Band25	3MHz	QPSK	26365	15RB#0	22.11	21.21	33.00	PASS
Band25	3MHz	QPSK	26675	1RB#0	23.58	22.68	33.00	PASS
Band25	3MHz	QPSK	26675	1RB#8	23.43	22.53	33.00	PASS
Band25	3MHz	QPSK	26675	1RB#14	23.33	22.43	33.00	PASS
Band25	3MHz	QPSK	26675	15RB#0	22.54	21.64	33.00	PASS
Band25	3MHz	16QAM	26055	1RB#0	22.14	21.24	33.00	PASS
Band25	3MHz	16QAM	26055	1RB#8	22.03	21.13	33.00	PASS
Band25	3MHz	16QAM	26055	1RB#14	22.09	21.19	33.00	PASS
Band25	3MHz	16QAM	26055	15RB#0	20.90	20.00	33.00	PASS
Band25	3MHz	16QAM	26365	1RB#0	22.32	21.42	33.00	PASS
Band25	3MHz	16QAM	26365	1RB#8	22.25	21.35	33.00	PASS
Band25	3MHz	16QAM	26365	1RB#14	22.21	21.31	33.00	PASS
Band25	3MHz	16QAM	26365	15RB#0	21.10	20.20	33.00	PASS
Band25	3MHz	16QAM	26675	1RB#0	22.81	21.91	33.00	PASS



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Band25	3MHz	16QAM	26675	1RB#8	22.51	21.61	33.00	PASS
Band25	3MHz	16QAM	26675	1RB#14	22.50	21.60	33.00	PASS
Band25	3MHz	16QAM	26675	15RB#0	21.51	20.61	33.00	PASS
Band25	3MHz	64QAM	26055	1RB#0	21.08	20.18	33.00	PASS
Band25	3MHz	64QAM	26055	1RB#8	21.00	20.10	33.00	PASS
Band25	3MHz	64QAM	26055	1RB#14	21.02	20.12	33.00	PASS
Band25	3MHz	64QAM	26055	15RB#0	19.89	18.99	33.00	PASS
Band25	3MHz	64QAM	26365	1RB#0	21.30	20.40	33.00	PASS
Band25	3MHz	64QAM	26365	1RB#8	21.20	20.30	33.00	PASS
Band25	3MHz	64QAM	26365	1RB#14	21.14	20.24	33.00	PASS
Band25	3MHz	64QAM	26365	15RB#0	20.08	19.18	33.00	PASS
Band25	3MHz	64QAM	26675	1RB#0	21.63	20.73	33.00	PASS
Band25	3MHz	64QAM	26675	1RB#8	21.55	20.65	33.00	PASS
Band25	3MHz	64QAM	26675	1RB#14	21.45	20.55	33.00	PASS
Band25	3MHz	64QAM	26675	15RB#0	20.52	19.62	33.00	PASS
Band25	5MHz	QPSK	26065	1RB#0	22.77	21.87	33.00	PASS
Band25	5MHz	QPSK	26065	1RB#12	23.07	22.17	33.00	PASS
Band25	5MHz	QPSK	26065	1RB#24	22.87	21.97	33.00	PASS
Band25	5MHz	QPSK	26065	25RB#0	21.94	21.04	33.00	PASS
Band25	5MHz	QPSK	26365	1RB#0	23.11	22.21	33.00	PASS
Band25	5MHz	QPSK	26365	1RB#12	23.23	22.33	33.00	PASS
Band25	5MHz	QPSK	26365	1RB#24	22.88	21.98	33.00	PASS
Band25	5MHz	QPSK	26365	25RB#0	22.18	21.28	33.00	PASS
Band25	5MHz	QPSK	26665	1RB#0	23.58	22.68	33.00	PASS
Band25	5MHz	QPSK	26665	1RB#12	23.73	22.83	33.00	PASS
Band25	5MHz	QPSK	26665	1RB#24	23.26	22.36	33.00	PASS
Band25	5MHz	QPSK	26665	25RB#0	22.62	21.72	33.00	PASS
Band25	5MHz	16QAM	26065	1RB#0	22.05	21.15	33.00	PASS
Band25	5MHz	16QAM	26065	1RB#12	22.33	21.43	33.00	PASS
Band25	5MHz	16QAM	26065	1RB#24	22.12	21.22	33.00	PASS
Band25	5MHz	16QAM	26065	25RB#0	20.95	20.05	33.00	PASS
Band25	5MHz	16QAM	26365	1RB#0	22.31	21.41	33.00	PASS



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Band25	5MHz	16QAM	26365	1RB#12	22.44	21.54	33.00	PASS
Band25	5MHz	16QAM	26365	1RB#24	22.13	21.23	33.00	PASS
Band25	5MHz	16QAM	26365	25RB#0	21.15	20.25	33.00	PASS
Band25	5MHz	16QAM	26665	1RB#0	22.87	21.97	33.00	PASS
Band25	5MHz	16QAM	26665	1RB#12	22.82	21.92	33.00	PASS
Band25	5MHz	16QAM	26665	1RB#24	22.38	21.48	33.00	PASS
Band25	5MHz	16QAM	26665	25RB#0	21.58	20.68	33.00	PASS
Band25	5MHz	64QAM	26065	1RB#0	20.94	20.04	33.00	PASS
Band25	5MHz	64QAM	26065	1RB#12	21.20	20.30	33.00	PASS
Band25	5MHz	64QAM	26065	1RB#24	21.05	20.15	33.00	PASS
Band25	5MHz	64QAM	26065	25RB#0	19.95	19.05	33.00	PASS
Band25	5MHz	64QAM	26365	1RB#0	21.29	20.39	33.00	PASS
Band25	5MHz	64QAM	26365	1RB#12	21.35	20.45	33.00	PASS
Band25	5MHz	64QAM	26365	1RB#24	21.11	20.21	33.00	PASS
Band25	5MHz	64QAM	26365	25RB#0	20.18	19.28	33.00	PASS
Band25	5MHz	64QAM	26665	1RB#0	21.75	20.85	33.00	PASS
Band25	5MHz	64QAM	26665	1RB#12	21.89	20.99	33.00	PASS
Band25	5MHz	64QAM	26665	1RB#24	21.31	20.41	33.00	PASS
Band25	5MHz	64QAM	26665	25RB#0	20.58	19.68	33.00	PASS
Band25	10MHz	QPSK	26090	1RB#0	22.85	21.95	33.00	PASS
Band25	10MHz	QPSK	26090	1RB#24	23.11	22.21	33.00	PASS
Band25	10MHz	QPSK	26090	1RB#49	23.20	22.30	33.00	PASS
Band25	10MHz	QPSK	26090	50RB#0	22.12	21.22	33.00	PASS
Band25	10MHz	QPSK	26365	1RB#0	23.34	22.44	33.00	PASS
Band25	10MHz	QPSK	26365	1RB#24	23.19	22.29	33.00	PASS
Band25	10MHz	QPSK	26365	1RB#49	22.90	22.00	33.00	PASS
Band25	10MHz	QPSK	26365	50RB#0	22.26	21.36	33.00	PASS
Band25	10MHz	QPSK	26640	1RB#0	23.67	22.77	33.00	PASS
Band25	10MHz	QPSK	26640	1RB#24	23.81	22.91	33.00	PASS
Band25	10MHz	QPSK	26640	1RB#49	23.38	22.48	33.00	PASS
Band25	10MHz	QPSK	26640	50RB#0	22.87	21.97	33.00	PASS
Band25	10MHz	16QAM	26090	1RB#0	22.06	21.16	33.00	PASS



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Band25	10MHz	16QAM	26090	1RB#24	22.29	21.39	33.00	PASS
Band25	10MHz	16QAM	26090	1RB#49	22.49	21.59	33.00	PASS
Band25	10MHz	16QAM	26090	50RB#0	21.09	20.19	33.00	PASS
Band25	10MHz	16QAM	26365	1RB#0	22.54	21.64	33.00	PASS
Band25	10MHz	16QAM	26365	1RB#24	22.48	21.58	33.00	PASS
Band25	10MHz	16QAM	26365	1RB#49	22.19	21.29	33.00	PASS
Band25	10MHz	16QAM	26365	50RB#0	21.26	20.36	33.00	PASS
Band25	10MHz	16QAM	26640	1RB#0	22.90	22.00	33.00	PASS
Band25	10MHz	16QAM	26640	1RB#24	23.06	22.16	33.00	PASS
Band25	10MHz	16QAM	26640	1RB#49	22.45	21.55	33.00	PASS
Band25	10MHz	16QAM	26640	50RB#0	21.87	20.97	33.00	PASS
Band25	10MHz	64QAM	26090	1RB#0	20.99	20.09	33.00	PASS
Band25	10MHz	64QAM	26090	1RB#24	21.26	20.36	33.00	PASS
Band25	10MHz	64QAM	26090	1RB#49	21.35	20.45	33.00	PASS
Band25	10MHz	64QAM	26090	50RB#0	20.12	19.22	33.00	PASS
Band25	10MHz	64QAM	26365	1RB#0	21.46	20.56	33.00	PASS
Band25	10MHz	64QAM	26365	1RB#24	21.43	20.53	33.00	PASS
Band25	10MHz	64QAM	26365	1RB#49	21.14	20.24	33.00	PASS
Band25	10MHz	64QAM	26365	50RB#0	20.25	19.35	33.00	PASS
Band25	10MHz	64QAM	26640	1RB#0	21.88	20.98	33.00	PASS
Band25	10MHz	64QAM	26640	1RB#24	21.98	21.08	33.00	PASS
Band25	10MHz	64QAM	26640	1RB#49	21.50	20.60	33.00	PASS
Band25	10MHz	64QAM	26640	50RB#0	20.86	19.96	33.00	PASS
Band25	15MHz	QPSK	26115	1RB#0	22.86	21.96	33.00	PASS
Band25	15MHz	QPSK	26115	1RB#38	23.15	22.25	33.00	PASS
Band25	15MHz	QPSK	26115	1RB#74	23.44	22.54	33.00	PASS
Band25	15MHz	QPSK	26115	75RB#0	22.21	21.31	33.00	PASS
Band25	15MHz	QPSK	26365	1RB#0	23.44	22.54	33.00	PASS
Band25	15MHz	QPSK	26365	1RB#38	23.13	22.23	33.00	PASS
Band25	15MHz	QPSK	26365	1RB#74	22.85	21.95	33.00	PASS
Band25	15MHz	QPSK	26365	75RB#0	22.26	21.36	33.00	PASS
Band25	15MHz	QPSK	26615	1RB#0	23.39	22.49	33.00	PASS



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Band25	15MHz	QPSK	26615	1RB#74	23.37	22.47	33.00	PASS
Band25	15MHz	QPSK	26615	75RB#0	22.79	21.89	33.00	PASS
Band25	15MHz	16QAM	26115	1RB#0	22.09	21.19	33.00	PASS
Band25	15MHz	16QAM	26115	1RB#38	22.41	21.51	33.00	PASS
Band25	15MHz	16QAM	26115	1RB#74	22.71	21.81	33.00	PASS
Band25	15MHz	16QAM	26115	75RB#0	21.19	20.29	33.00	PASS
Band25	15MHz	16QAM	26365	1RB#0	22.66	21.76	33.00	PASS
Band25	15MHz	16QAM	26365	1RB#38	22.30	21.40	33.00	PASS
Band25	15MHz	16QAM	26365	1RB#74	22.14	21.24	33.00	PASS
Band25	15MHz	16QAM	26365	75RB#0	21.26	20.36	33.00	PASS
Band25	15MHz	16QAM	26615	1RB#0	22.59	21.69	33.00	PASS
Band25	15MHz	16QAM	26615	1RB#38	23.00	22.10	33.00	PASS
Band25	15MHz	16QAM	26615	1RB#74	22.53	21.63	33.00	PASS
Band25	15MHz	16QAM	26615	75RB#0	21.76	20.86	33.00	PASS
Band25	15MHz	64QAM	26115	1RB#0	21.03	20.13	33.00	PASS
Band25	15MHz	64QAM	26115	1RB#38	21.37	20.47	33.00	PASS
Band25	15MHz	64QAM	26115	1RB#74	21.57	20.67	33.00	PASS
Band25	15MHz	64QAM	26115	75RB#0	20.19	19.29	33.00	PASS
Band25	15MHz	64QAM	26365	1RB#0	21.61	20.71	33.00	PASS
Band25	15MHz	64QAM	26365	1RB#38	21.26	20.36	33.00	PASS
Band25	15MHz	64QAM	26365	1RB#74	21.00	20.10	33.00	PASS
Band25	15MHz	64QAM	26365	75RB#0	20.24	19.34	33.00	PASS
Band25	15MHz	64QAM	26615	1RB#0	21.56	20.66	33.00	PASS
Band25	15MHz	64QAM	26615	1RB#38	22.00	21.10	33.00	PASS
Band25	15MHz	64QAM	26615	1RB#74	21.44	20.54	33.00	PASS
Band25	15MHz	64QAM	26615	75RB#0	20.74	19.84	33.00	PASS
Band25	20MHz	QPSK	26140	1RB#0	22.81	21.91	33.00	PASS
Band25	20MHz	QPSK	26140	1RB#49	23.36	22.46	33.00	PASS
Band25	20MHz	QPSK	26140	1RB#99	23.51	22.61	33.00	PASS
Band25	20MHz	QPSK	26140	100RB#0	22.29	21.39	33.00	PASS
Band25	20MHz	QPSK	26365	1RB#0	23.51	22.61	33.00	PASS



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Report No.: XEWM2309000447RG01

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Band25	20MHz	QPSK	26365	1RB#49	23.20	22.30	33.00	PASS
Band25	20MHz	QPSK	26365	1RB#99	22.77	21.87	33.00	PASS
Band25	20MHz	QPSK	26365	100RB#0	22.31	21.41	33.00	PASS
Band25	20MHz	QPSK	26590	1RB#0	23.01	22.11	33.00	PASS
Band25	20MHz	QPSK	26590	1RB#49	23.76	22.86	33.00	PASS
Band25	20MHz	QPSK	26590	1RB#99	23.29	22.39	33.00	PASS
Band25	20MHz	QPSK	26590	100RB#0	22.63	21.73	33.00	PASS
Band25	20MHz	16QAM	26140	1RB#0	22.10	21.20	33.00	PASS
Band25	20MHz	16QAM	26140	1RB#49	22.58	21.68	33.00	PASS
Band25	20MHz	16QAM	26140	1RB#99	22.75	21.85	33.00	PASS
Band25	20MHz	16QAM	26140	100RB#0	21.28	20.38	33.00	PASS
Band25	20MHz	16QAM	26365	1RB#0	22.71	21.81	33.00	PASS
Band25	20MHz	16QAM	26365	1RB#49	22.46	21.56	33.00	PASS
Band25	20MHz	16QAM	26365	1RB#99	22.01	21.11	33.00	PASS
Band25	20MHz	16QAM	26365	100RB#0	21.29	20.39	33.00	PASS
Band25	20MHz	16QAM	26590	1RB#0	22.23	21.33	33.00	PASS
Band25	20MHz	16QAM	26590	1RB#49	22.97	22.07	33.00	PASS
Band25	20MHz	16QAM	26590	1RB#99	22.43	21.53	33.00	PASS
Band25	20MHz	16QAM	26590	100RB#0	21.59	20.69	33.00	PASS
Band25	20MHz	64QAM	26140	1RB#0	21.04	20.14	33.00	PASS
Band25	20MHz	64QAM	26140	1RB#49	21.50	20.60	33.00	PASS
Band25	20MHz	64QAM	26140	1RB#99	21.65	20.75	33.00	PASS
Band25	20MHz	64QAM	26140	100RB#0	20.27	19.37	33.00	PASS
Band25	20MHz	64QAM	26365	1RB#0	21.62	20.72	33.00	PASS
Band25	20MHz	64QAM	26365	1RB#49	21.39	20.49	33.00	PASS
Band25	20MHz	64QAM	26365	1RB#99	20.96	20.06	33.00	PASS
Band25	20MHz	64QAM	26365	100RB#0	20.31	19.41	33.00	PASS
Band25	20MHz	64QAM	26590	1RB#0	21.11	20.21	33.00	PASS
Band25	20MHz	64QAM	26590	1RB#49	21.92	21.02	33.00	PASS
Band25	20MHz	64QAM	26590	1RB#99	21.48	20.58	33.00	PASS
Band25	20MHz	64QAM	26590	100RB#0	20.58	19.68	33.00	PASS



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Peak-to-Average Ratio(CCDF)

Test Result

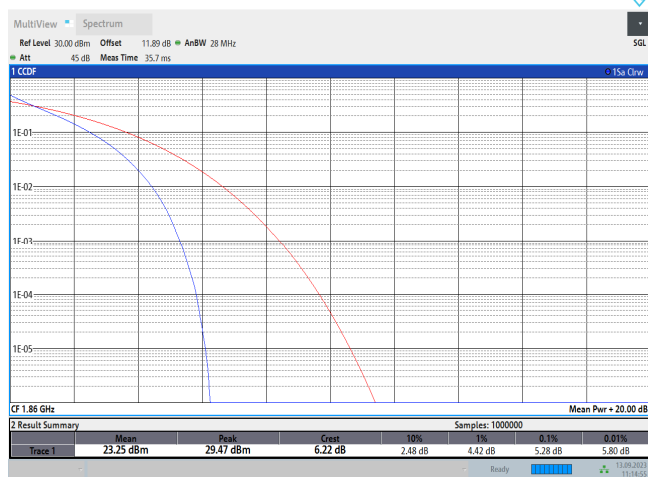
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band25	20MHz	QPSK	26140	100RB#0	5.28	13	PASS
Band25	20MHz	QPSK	26365	100RB#0	5.22	13	PASS
Band25	20MHz	QPSK	26590	100RB#0	5.28	13	PASS
Band25	20MHz	16QAM	26140	100RB#0	6.08	13	PASS
Band25	20MHz	16QAM	26365	100RB#0	6.00	13	PASS
Band25	20MHz	16QAM	26590	100RB#0	6.08	13	PASS
Band25	20MHz	64QAM	26140	100RB#0	6.32	13	PASS
Band25	20MHz	64QAM	26365	100RB#0	6.36	13	PASS
Band25	20MHz	64QAM	26590	100RB#0	6.40	13	PASS



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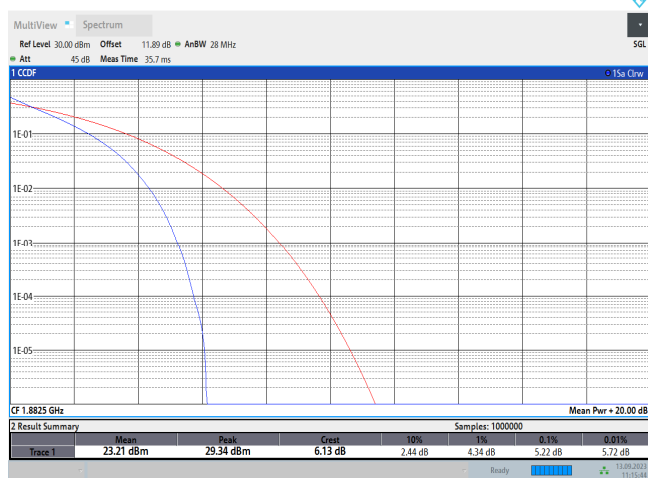
Test Graphs

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



11:14:55 13.09.2023

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

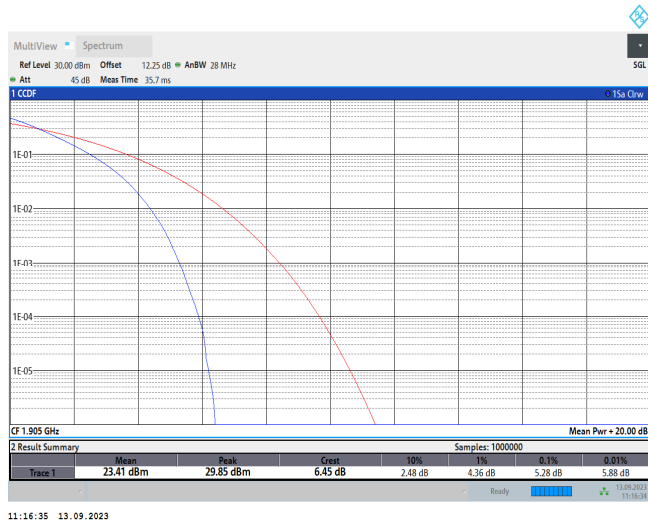


11:15:45 13.09.2023



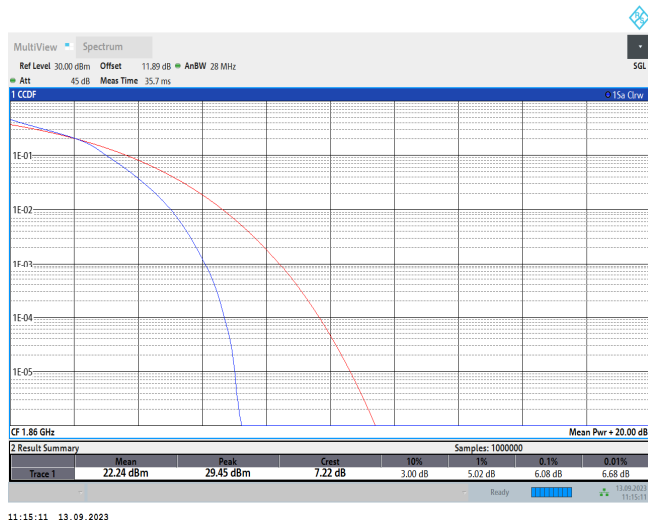
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Band25-20MHz-QPSK-26590-100RB#0



11:16:35 13.09.2023

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

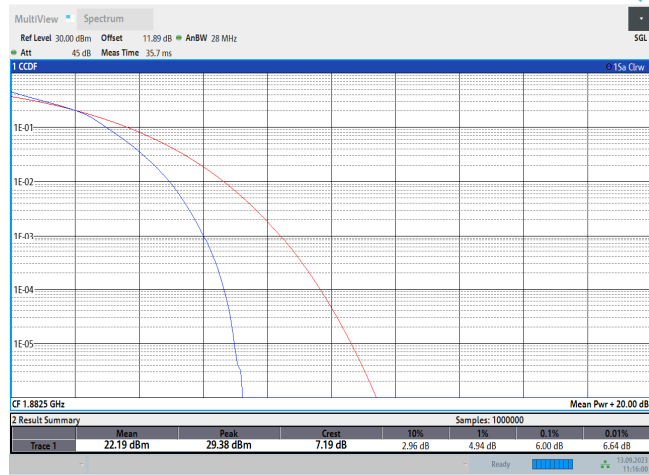


11:15:11 13.09.2023



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

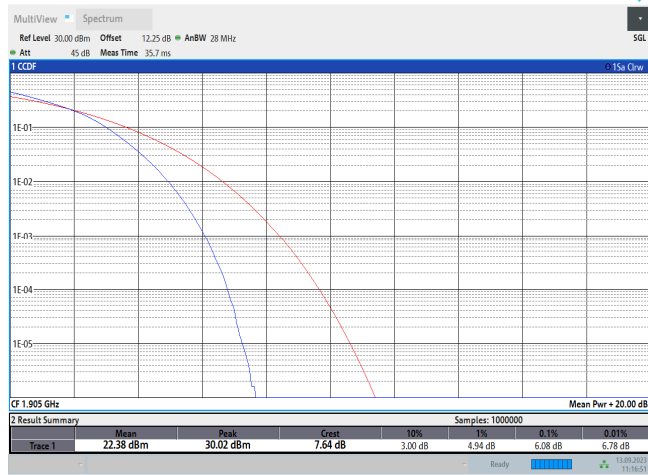


11:16:01 13.09.2023



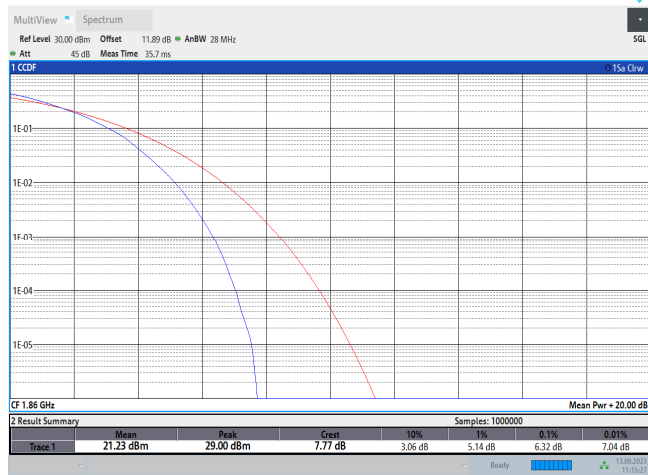
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Band25-20MHz-16QAM-26590-100RB#0



11:16:51 13.09.2023

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

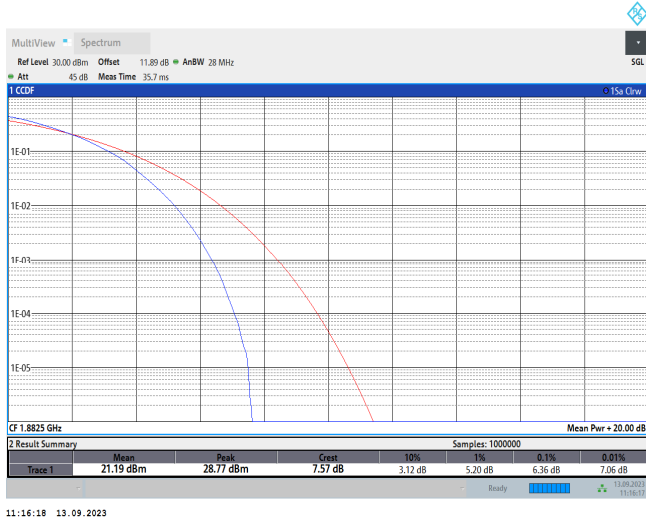


11:15:28 13.09.2023



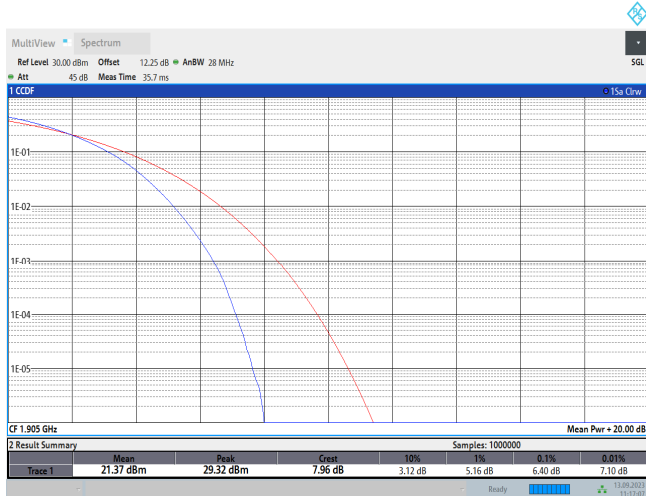
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Band25-20MHz-64QAM-26365-100RB#0



11:16:18 13. 09. 2023

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



11:17:08 13. 09. 2023



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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	1.09	1.28	PASS
Band25	1.4MHz	QPSK	26365	6RB#0	1.085	1.28	PASS
Band25	1.4MHz	QPSK	26683	6RB#0	1.086	1.29	PASS
Band25	1.4MHz	16QAM	26047	6RB#0	1.098	1.31	PASS
Band25	1.4MHz	16QAM	26365	6RB#0	1.097	1.31	PASS
Band25	1.4MHz	16QAM	26683	6RB#0	1.1	1.31	PASS
Band25	1.4MHz	64QAM	26047	6RB#0	1.095	1.31	PASS
Band25	1.4MHz	64QAM	26365	6RB#0	1.096	1.31	PASS
Band25	1.4MHz	64QAM	26683	6RB#0	1.097	1.32	PASS
Band25	3MHz	QPSK	26055	15RB#0	2.689	2.91	PASS
Band25	3MHz	QPSK	26365	15RB#0	2.687	2.90	PASS
Band25	3MHz	QPSK	26675	15RB#0	2.685	2.92	PASS
Band25	3MHz	16QAM	26055	15RB#0	2.679	2.90	PASS
Band25	3MHz	16QAM	26365	15RB#0	2.679	2.91	PASS
Band25	3MHz	16QAM	26675	15RB#0	2.676	2.90	PASS
Band25	3MHz	64QAM	26055	15RB#0	2.68	2.89	PASS
Band25	3MHz	64QAM	26365	15RB#0	2.681	2.89	PASS
Band25	3MHz	64QAM	26675	15RB#0	2.68	2.89	PASS
Band25	5MHz	QPSK	26065	25RB#0	4.476	5.01	PASS
Band25	5MHz	QPSK	26365	25RB#0	4.476	5.01	PASS
Band25	5MHz	QPSK	26665	25RB#0	4.476	5.04	PASS
Band25	5MHz	16QAM	26065	25RB#0	4.47	5.05	PASS
Band25	5MHz	16QAM	26365	25RB#0	4.471	5.05	PASS
Band25	5MHz	16QAM	26665	25RB#0	4.47	5.02	PASS
Band25	5MHz	64QAM	26065	25RB#0	4.487	5.06	PASS
Band25	5MHz	64QAM	26365	25RB#0	4.495	5.06	PASS
Band25	5MHz	64QAM	26665	25RB#0	4.485	5.04	PASS



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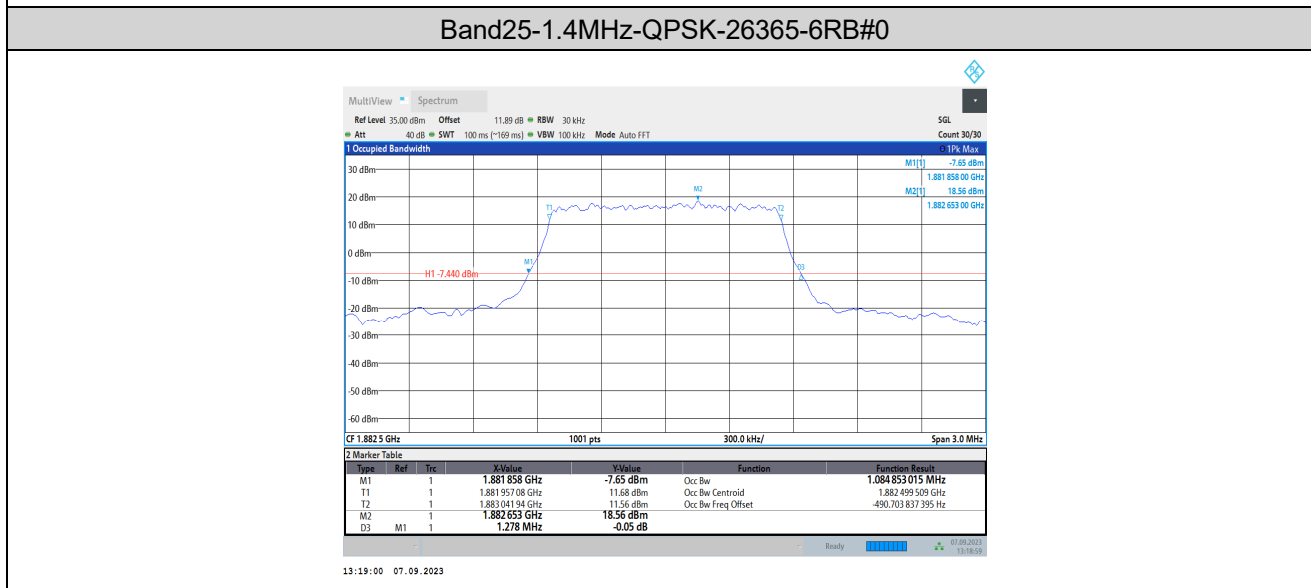
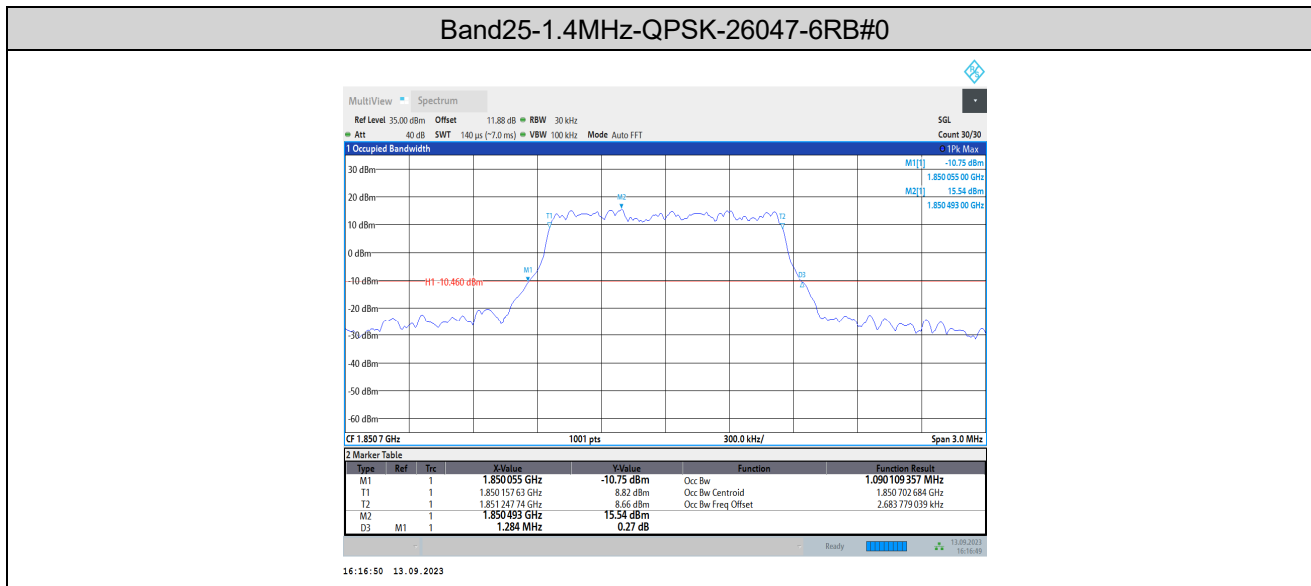


Band25	10MHz	QPSK	26090	50RB#0	8.944	9.86	PASS
Band25	10MHz	QPSK	26365	50RB#0	8.943	9.90	PASS
Band25	10MHz	QPSK	26640	50RB#0	8.934	9.82	PASS
Band25	10MHz	16QAM	26090	50RB#0	8.929	9.82	PASS
Band25	10MHz	16QAM	26365	50RB#0	8.93	9.84	PASS
Band25	10MHz	16QAM	26640	50RB#0	8.931	9.78	PASS
Band25	10MHz	64QAM	26090	50RB#0	8.942	9.84	PASS
Band25	10MHz	64QAM	26365	50RB#0	8.953	9.86	PASS
Band25	10MHz	64QAM	26640	50RB#0	8.941	9.80	PASS
Band25	15MHz	QPSK	26115	75RB#0	13.517	15.12	PASS
Band25	15MHz	QPSK	26365	75RB#0	13.506	15.12	PASS
Band25	15MHz	QPSK	26615	75RB#0	13.524	15.15	PASS
Band25	15MHz	16QAM	26115	75RB#0	13.499	15.27	PASS
Band25	15MHz	16QAM	26365	75RB#0	13.491	15.21	PASS
Band25	15MHz	16QAM	26615	75RB#0	13.511	15.12	PASS
Band25	15MHz	64QAM	26115	75RB#0	13.488	15.21	PASS
Band25	15MHz	64QAM	26365	75RB#0	13.476	15.12	PASS
Band25	15MHz	64QAM	26615	75RB#0	13.467	15.21	PASS
Band25	20MHz	QPSK	26140	100RB#0	17.954	19.84	PASS
Band25	20MHz	QPSK	26365	100RB#0	17.95	19.76	PASS
Band25	20MHz	QPSK	26590	100RB#0	17.98	19.64	PASS
Band25	20MHz	16QAM	26140	100RB#0	17.935	19.60	PASS
Band25	20MHz	16QAM	26365	100RB#0	17.921	19.72	PASS
Band25	20MHz	16QAM	26590	100RB#0	17.939	19.64	PASS
Band25	20MHz	64QAM	26140	100RB#0	17.921	19.80	PASS
Band25	20MHz	64QAM	26365	100RB#0	17.931	19.64	PASS
Band25	20MHz	64QAM	26590	100RB#0	17.948	19.76	PASS



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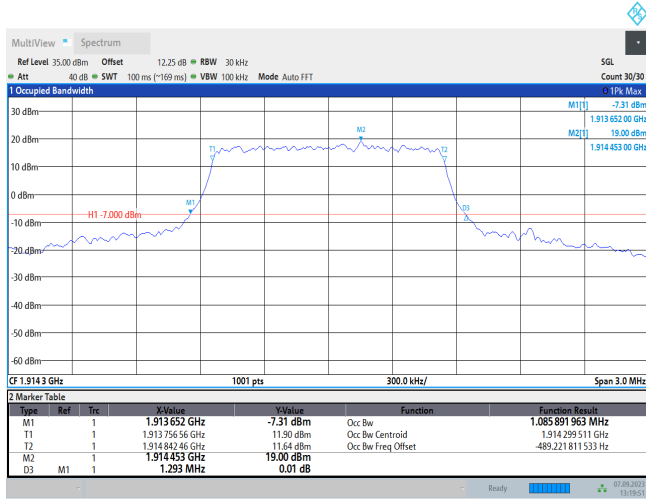
Test Graphs



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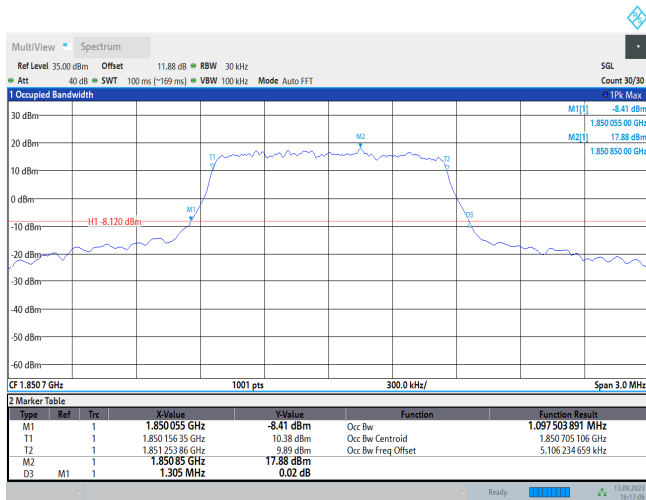
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Band25-1.4MHz-QPSK-26683-6RB#0



13:19:51 07.09.2023

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



16:17:07 13.09.2023



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

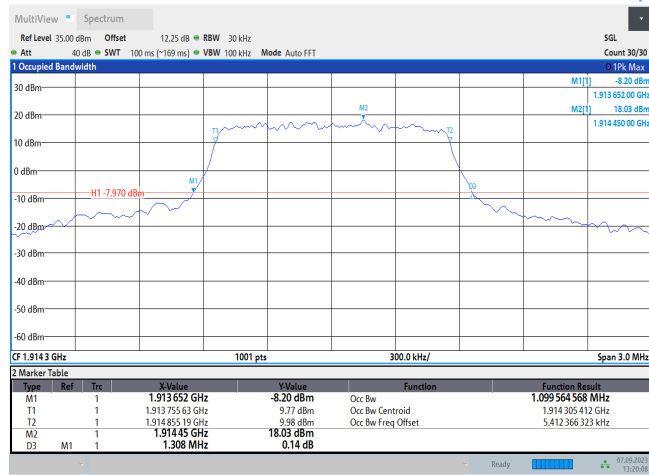


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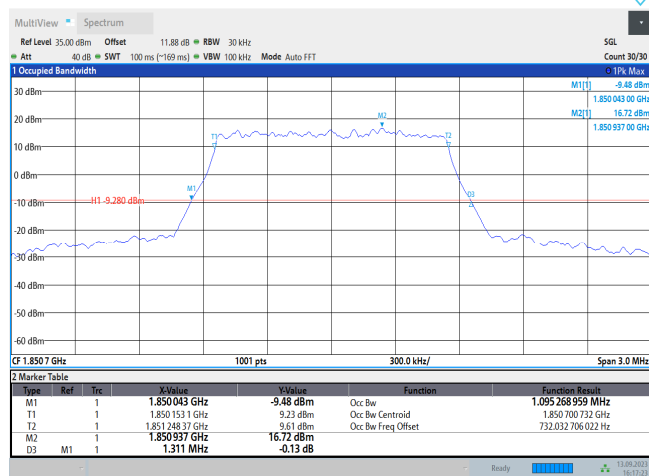
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Band25-1.4MHz-16QAM-26683-6RB#0



13:20:09 07.09.2023

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

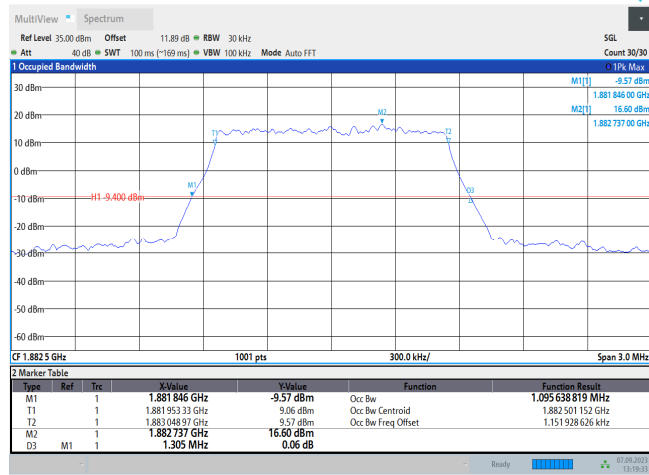


16:17:24 13.09.2023



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

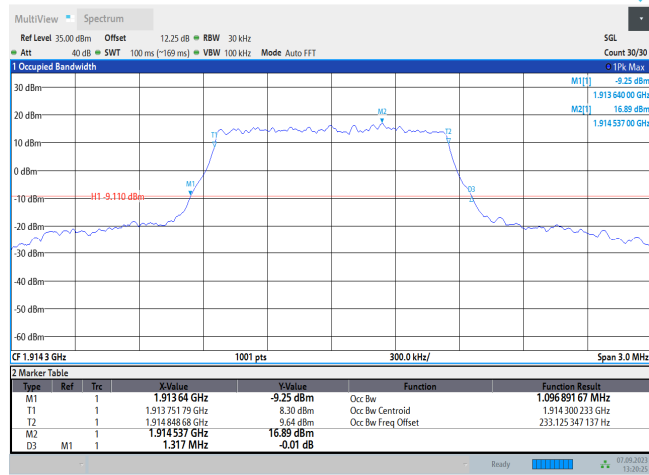


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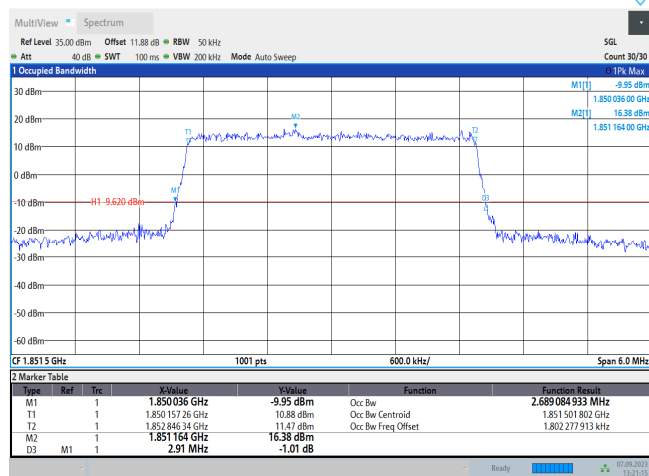
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Band25-1.4MHz-64QAM-26683-6RB#0



13:20:26 07.09.2023

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

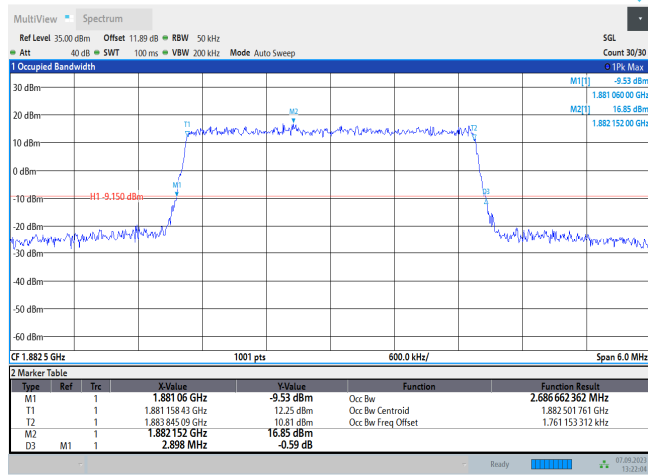


13:21:16 07.09.2023



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

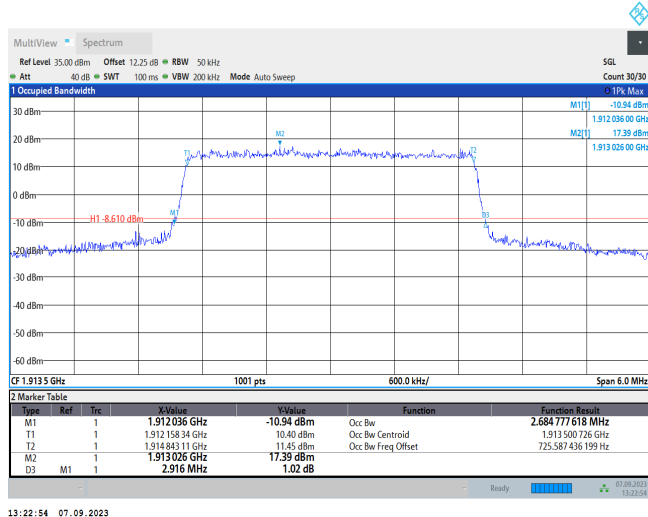


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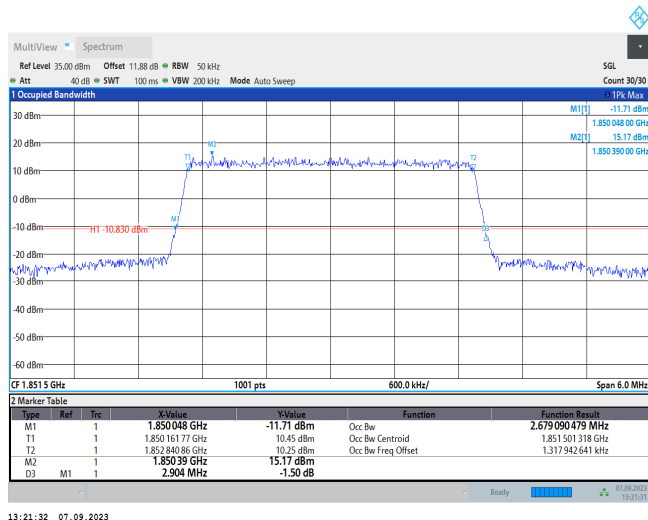


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Band25-3MHz-QPSK-26675-15RB#0

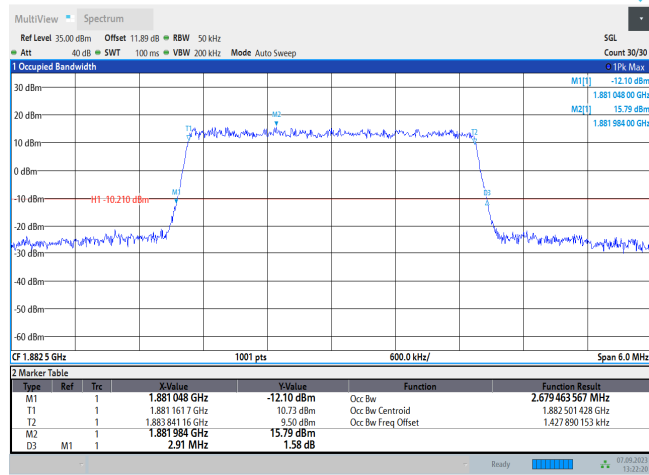


Band25-3MHz-16QAM-26055-15RB#0



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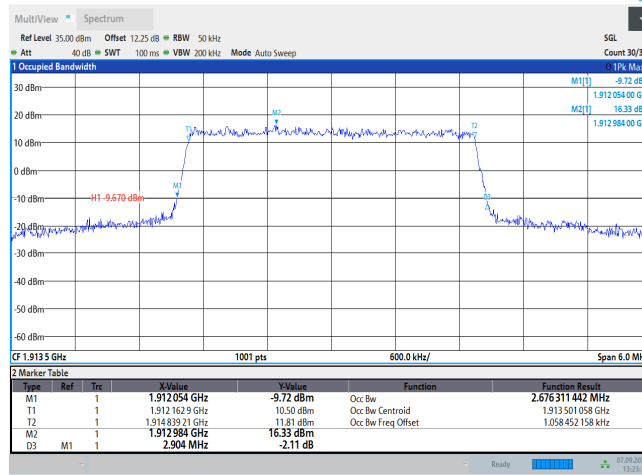
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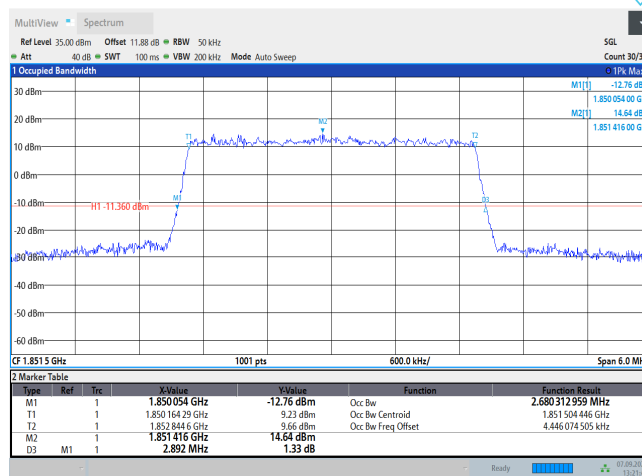


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Band25-3MHz-64QAM-26055-15RB#0

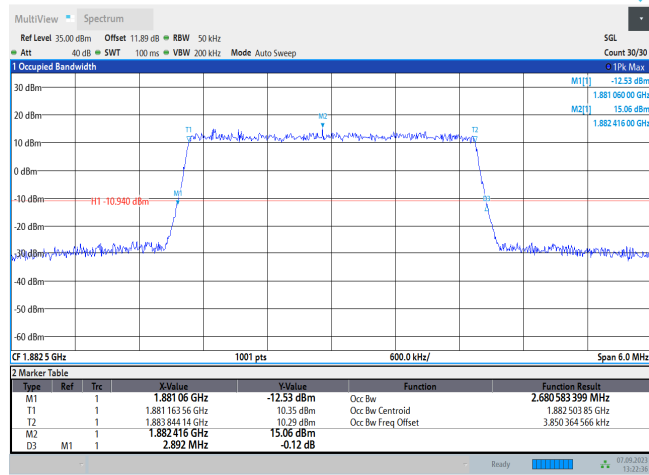


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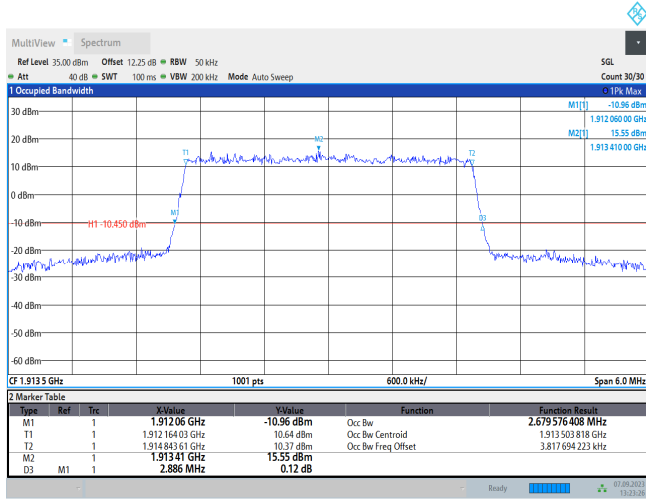
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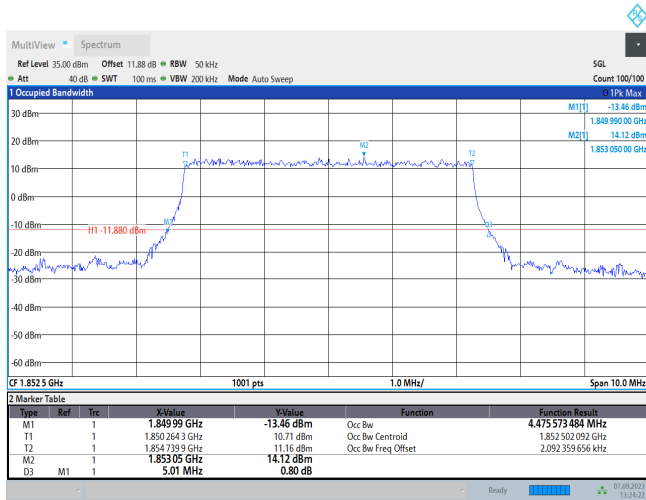


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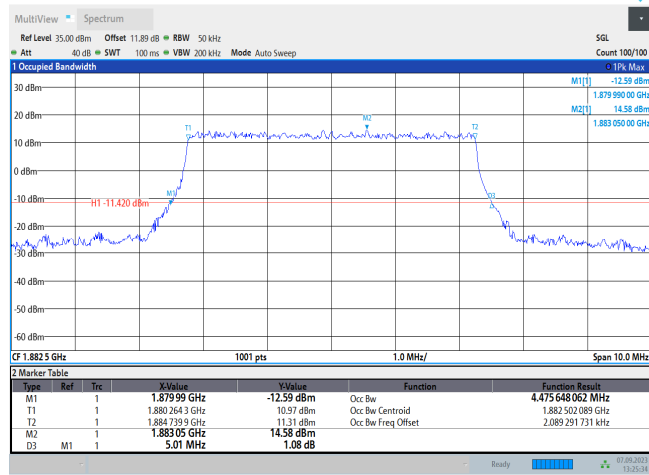


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Band25-5MHz-QPSK-26365-25RB#0



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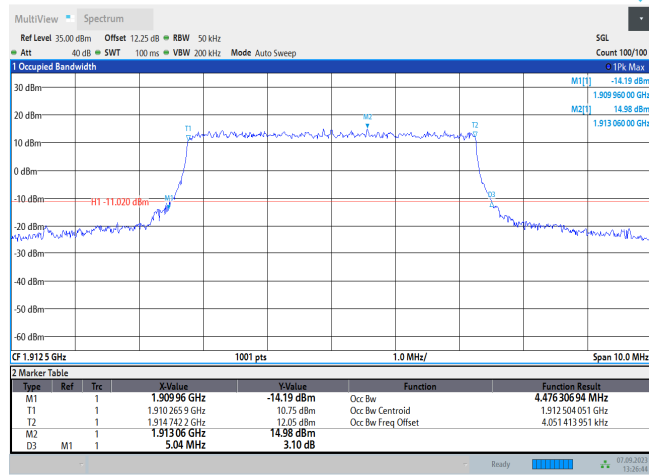


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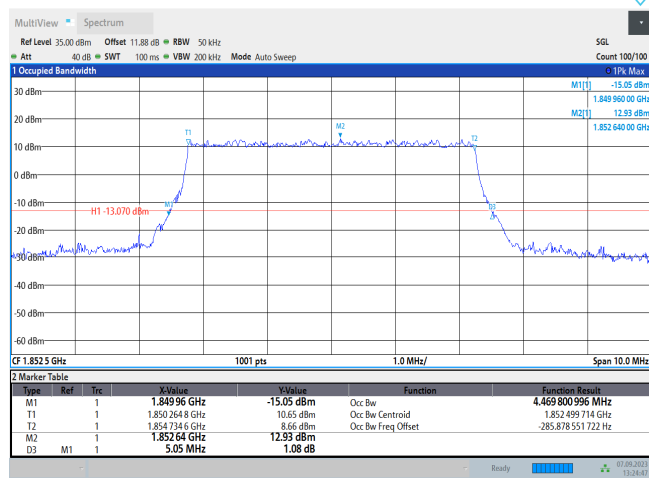
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 中国·西安·沣东新城科源三路137号康隆橙方科技园1号楼D单元1层 邮编: 710086 t (86-29) 6282 7885 sgs.china@sgs.com

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



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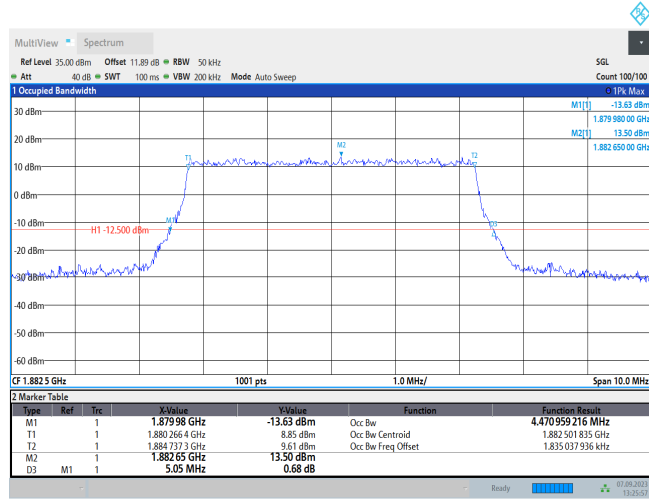


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Band25-5MHz-16QAM-26365-25RB#0

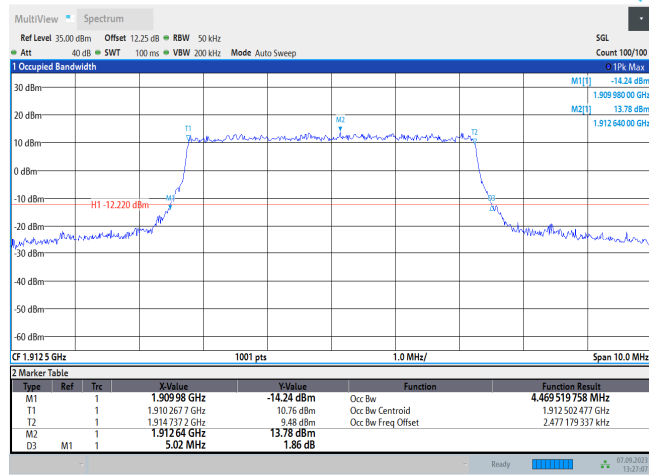


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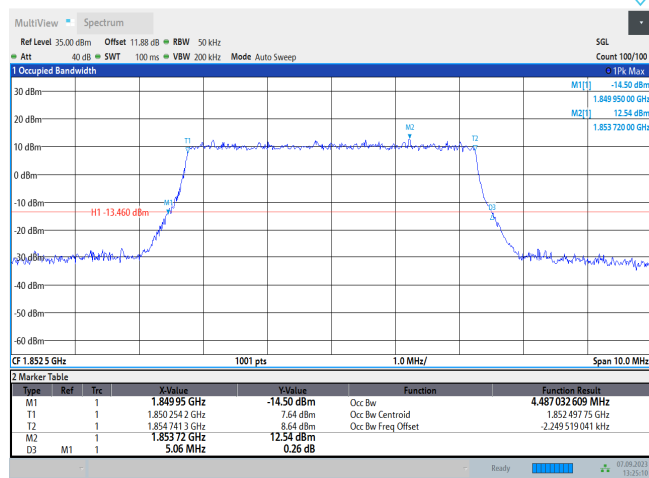
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Band25-5MHz-16QAM-26665-25RB#0



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Band25-5MHz-64QAM-26065-25RB#0

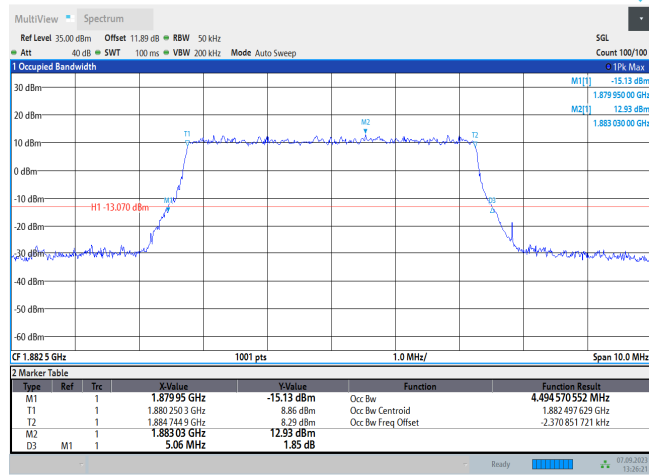


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Band25-5MHz-64QAM-26365-25RB#0

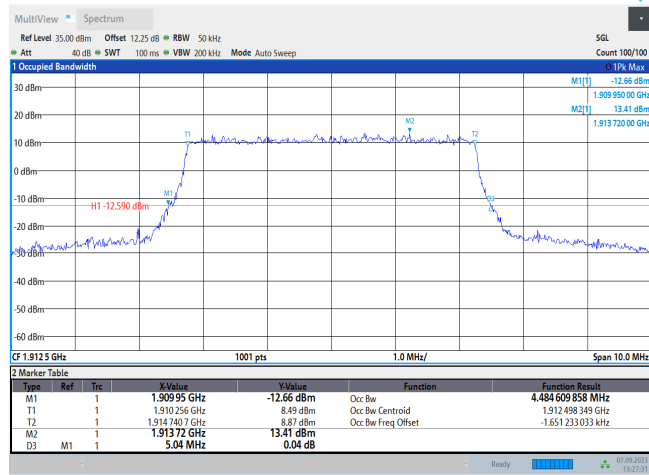


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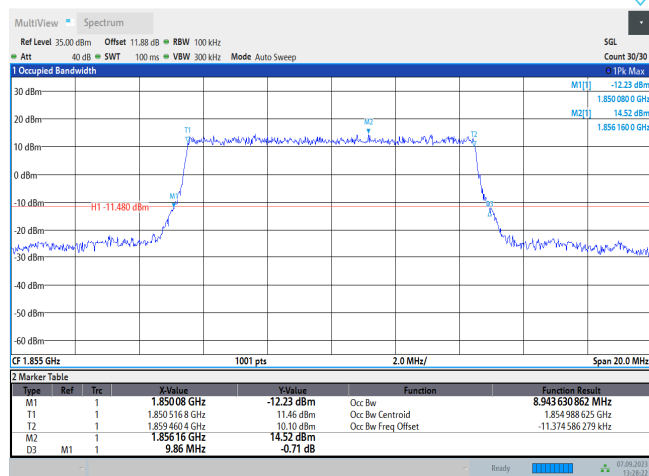
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Band25-5MHz-64QAM-26665-25RB#0



13:27:31 07.09.2023

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

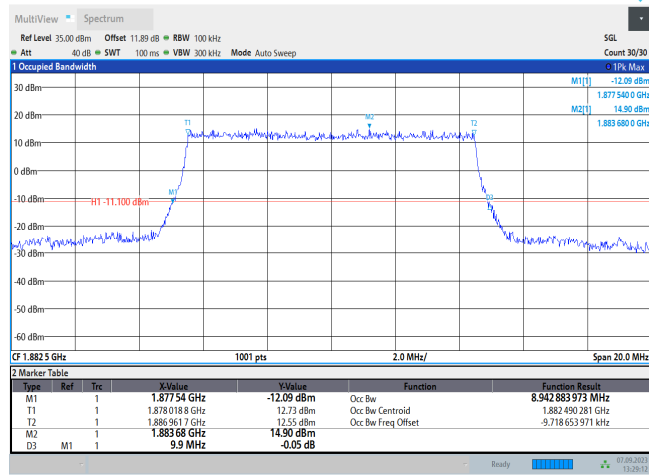


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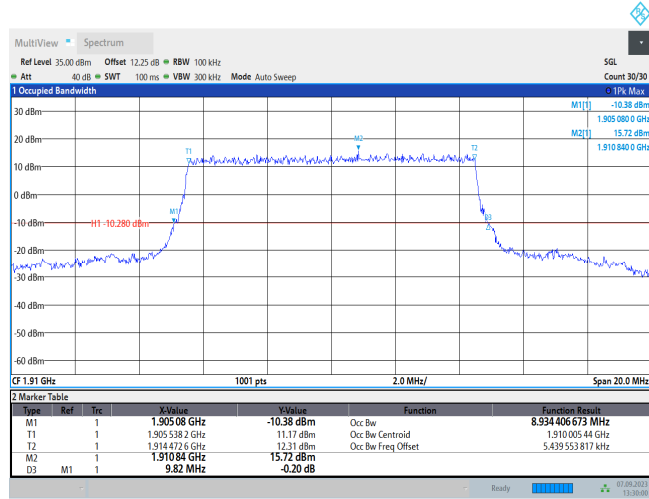
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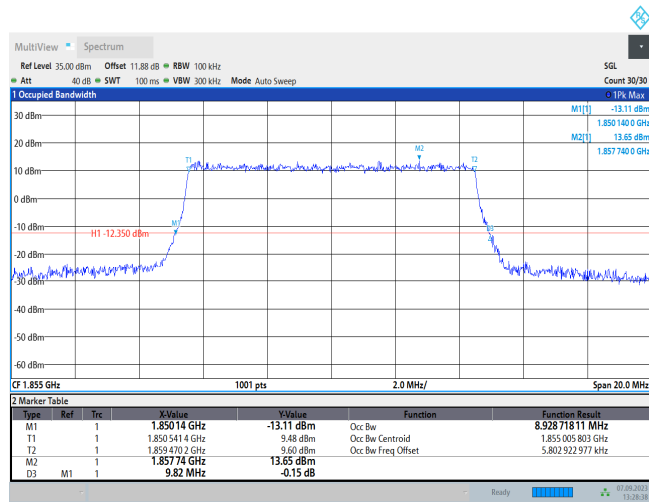


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Band25-10MHz-16QAM-26090-50RB#0

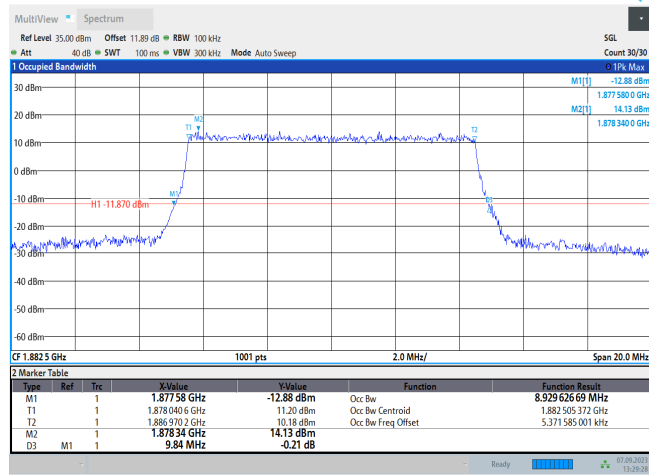


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Band25-10MHz-16QAM-26365-50RB#0



13:29:28 07.09.2023



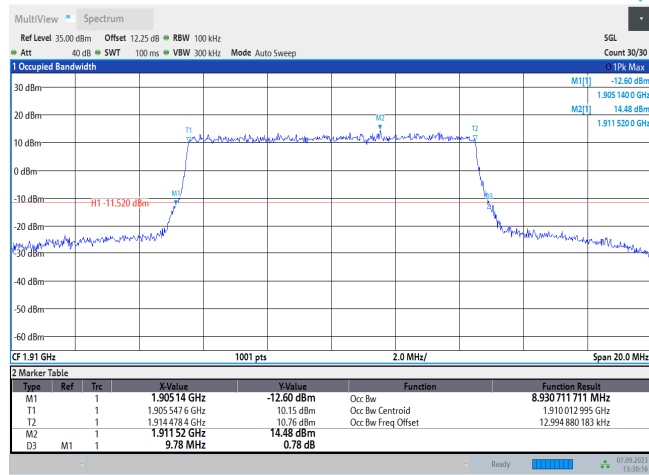
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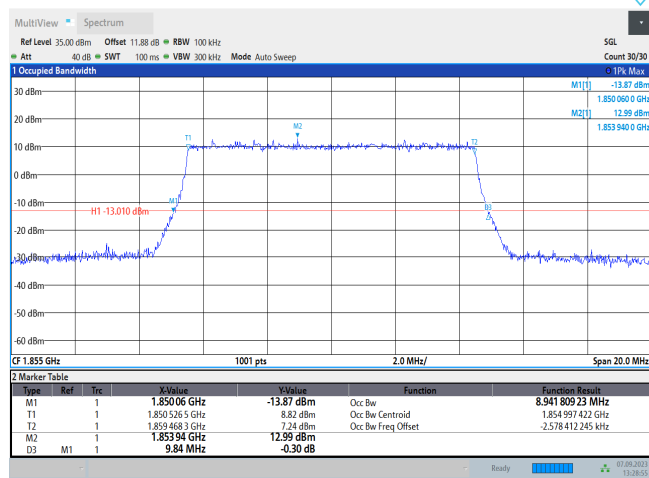
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Band25-10MHz-16QAM-26640-50RB#0



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Band25-10MHz-64QAM-26090-50RB#0

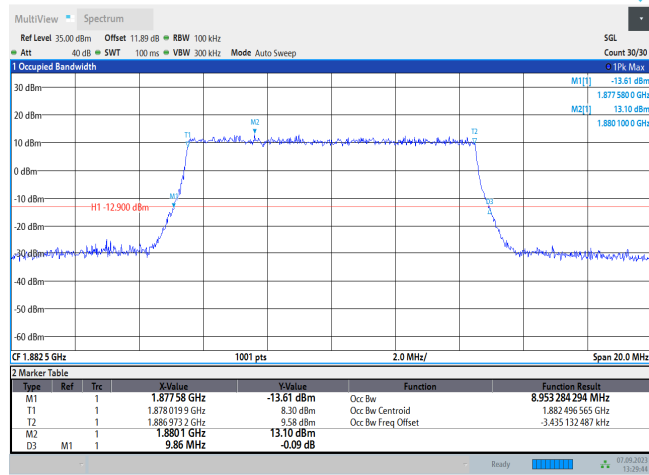


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Band25-10MHz-64QAM-26365-50RB#0



13:29:44 07.09.2023



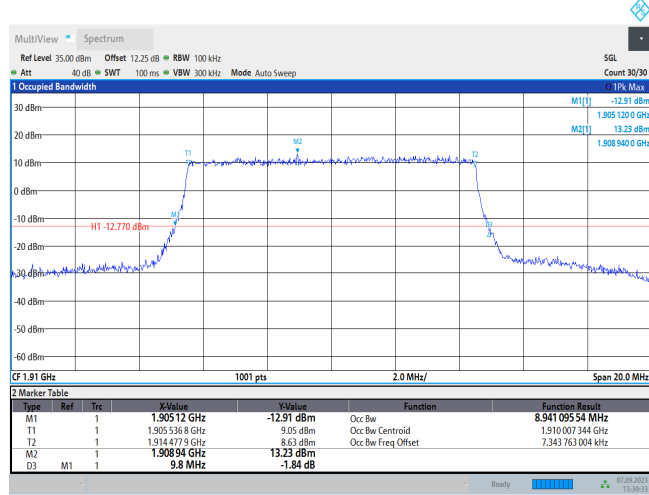
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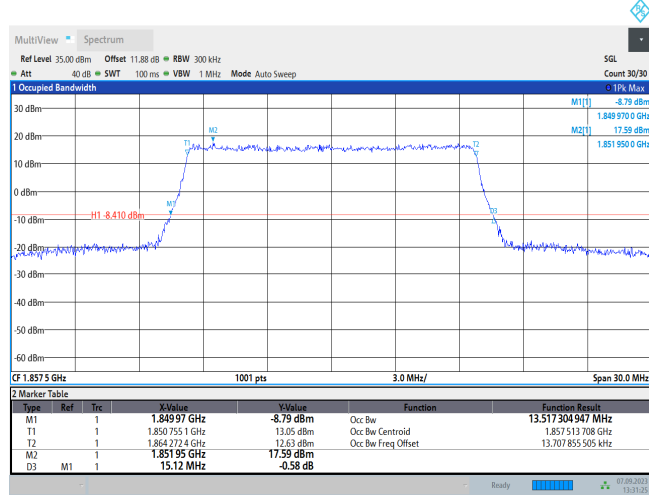
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t (86-29) 6282 7885 sgs.china@sgs.com

Band25-10MHz-64QAM-26640-50RB#0



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

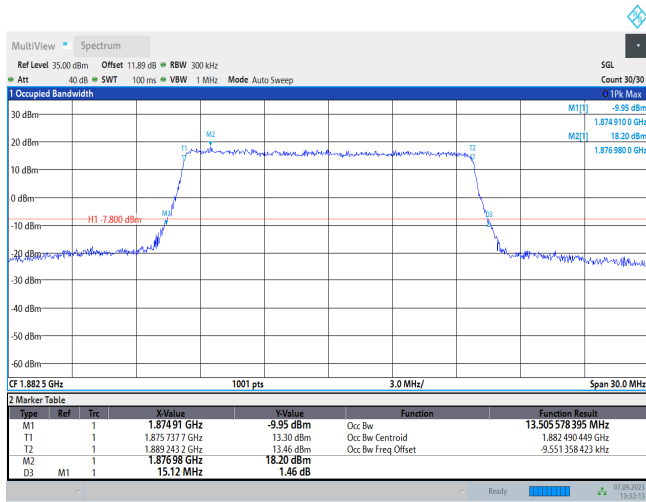


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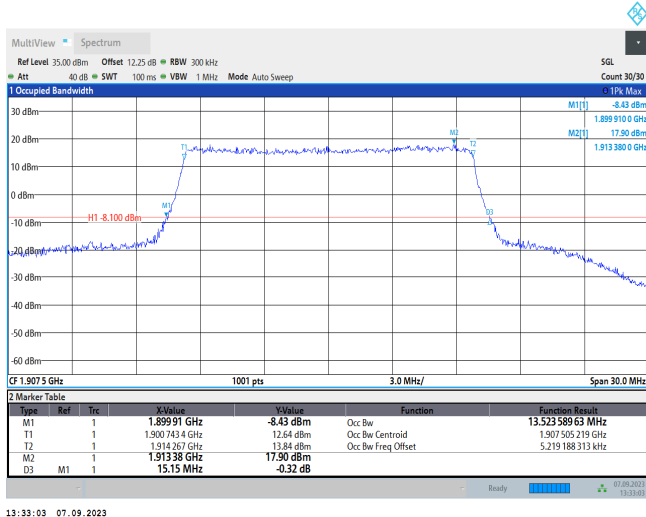


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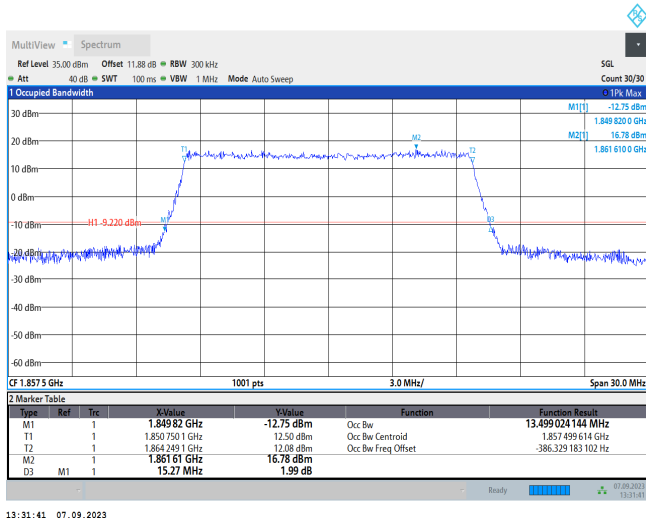
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Band25-15MHz-QPSK-26615-75RB#0



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

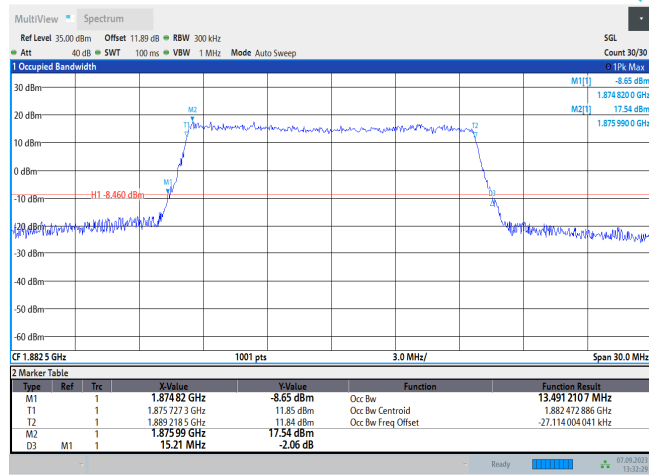


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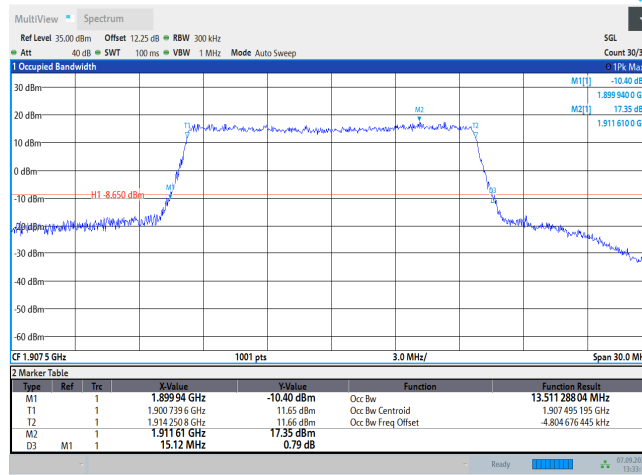
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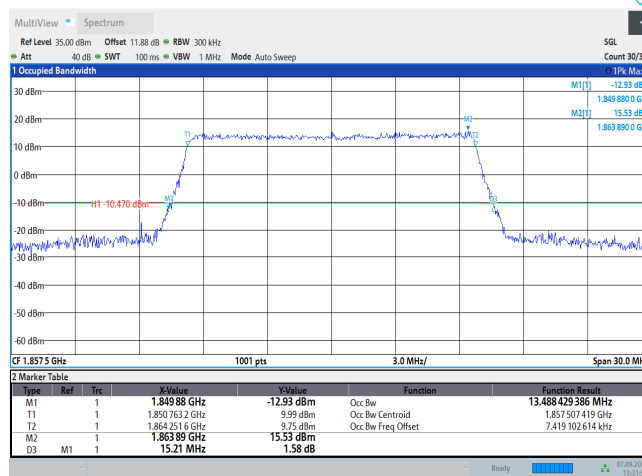


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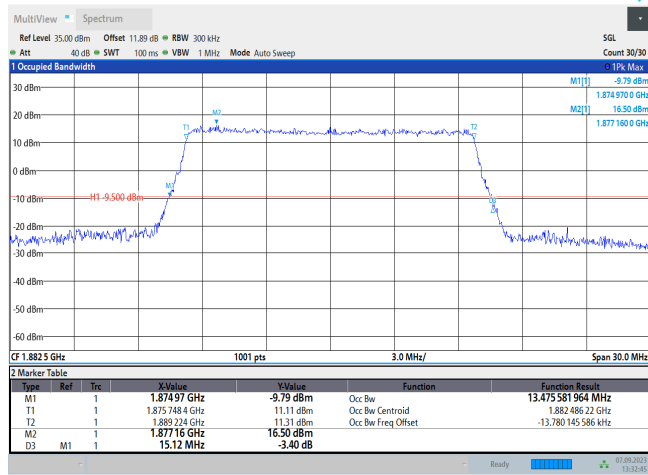


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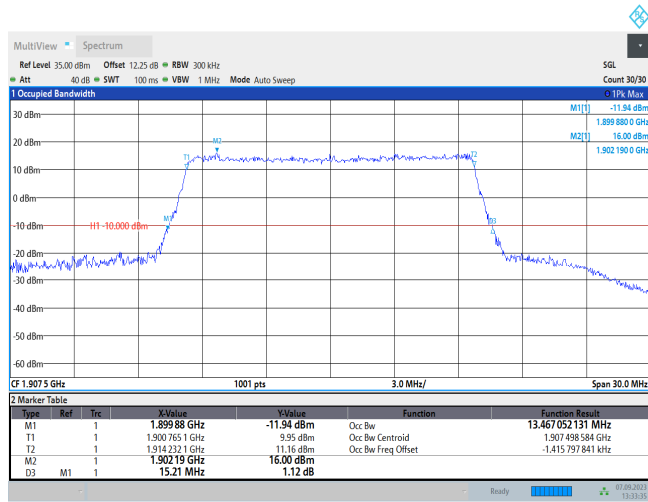


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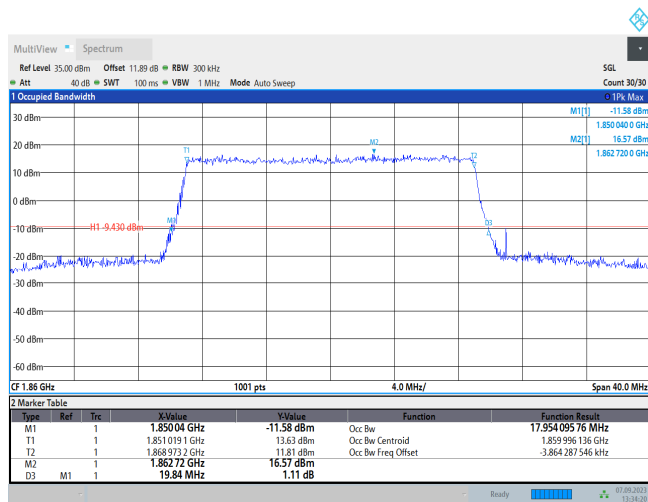
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Band25-20MHz-QPSK-26140-100RB#0

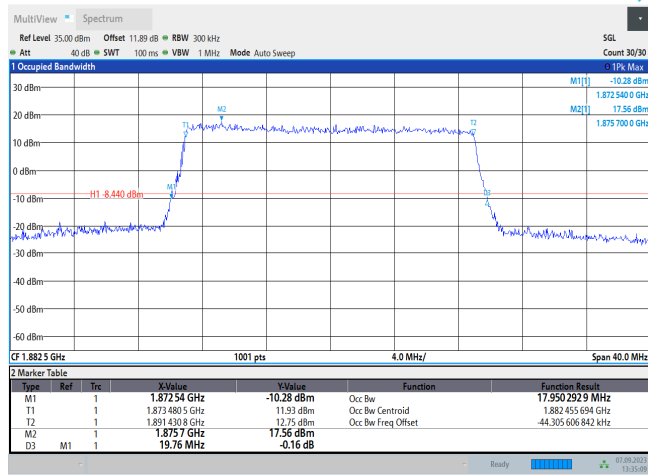


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Band25-20MHz-QPSK-26365-100RB#0

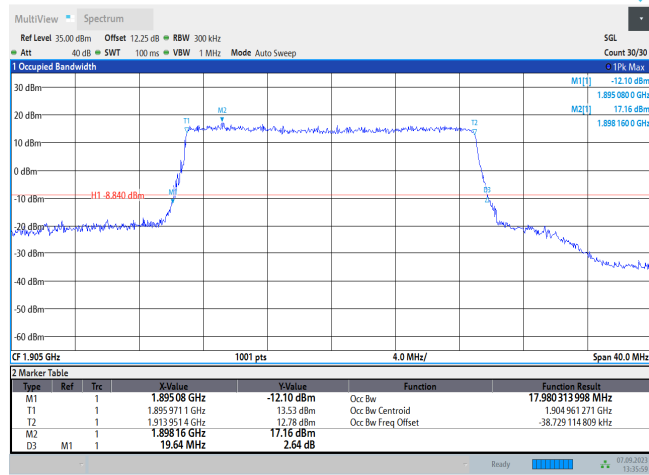


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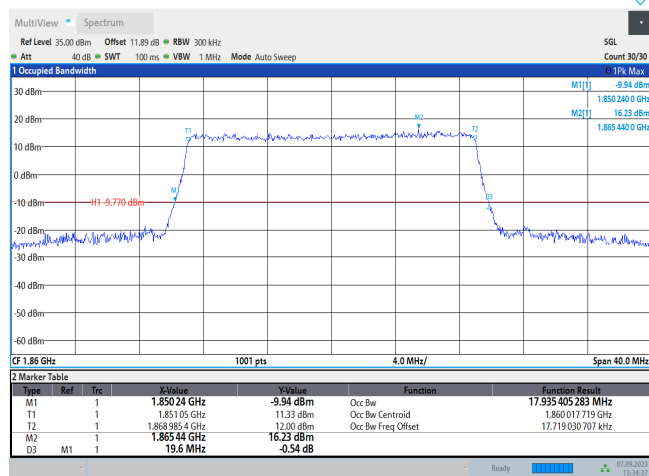
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Band25-20MHz-QPSK-26590-100RB#0



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

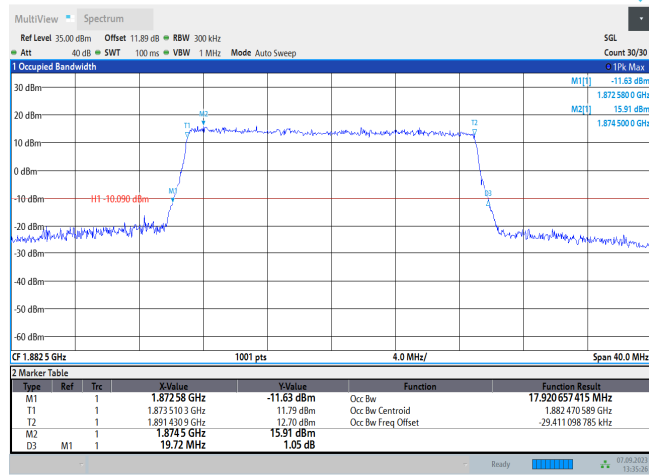


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Band25-20MHz-16QAM-26365-100RB#0



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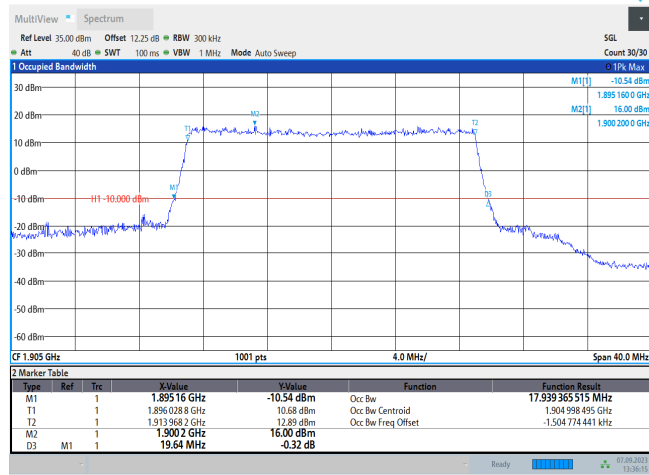
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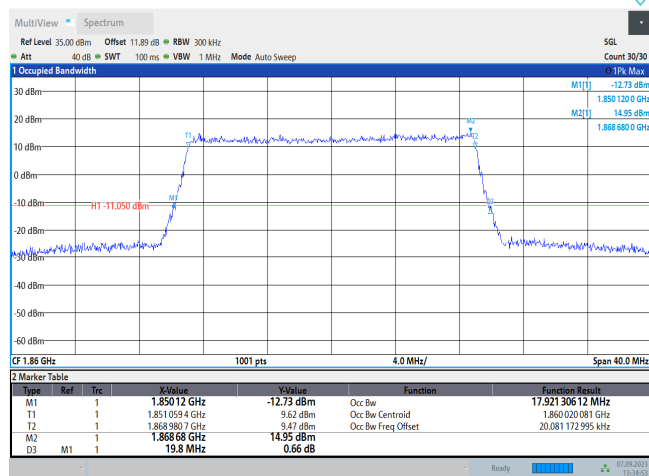
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Band25-20MHz-16QAM-26590-100RB#0



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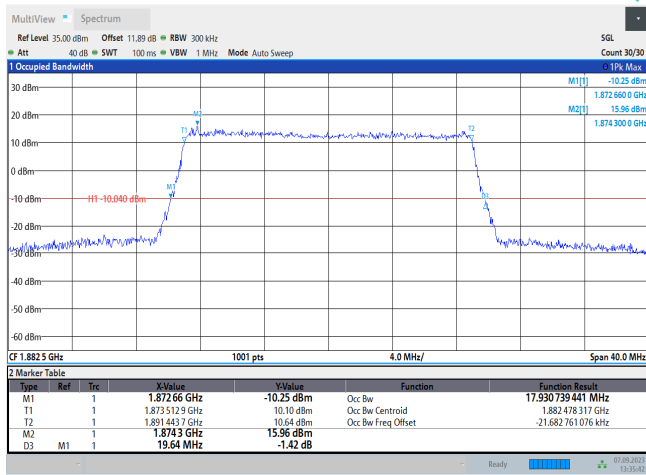


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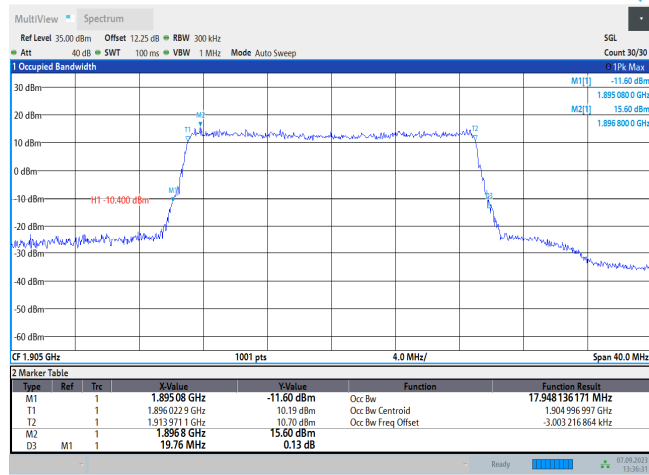


13:35:43 07.09.2023



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



13:36:32 07.09.2023

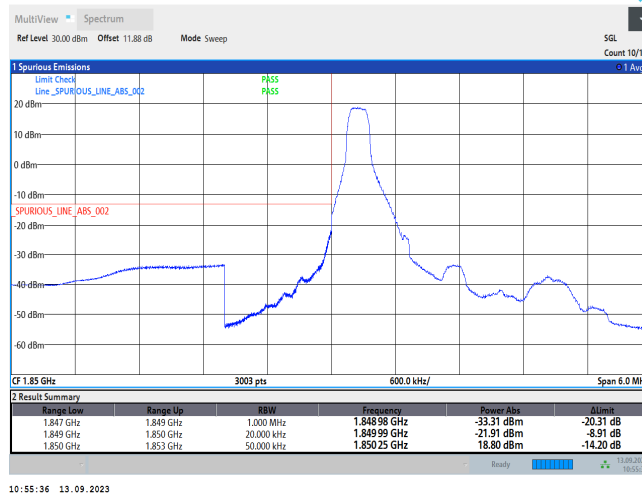


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Band Edge

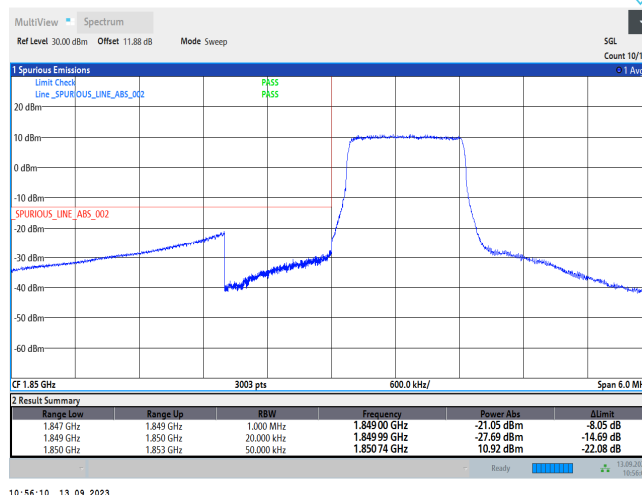
Test Graphs

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



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

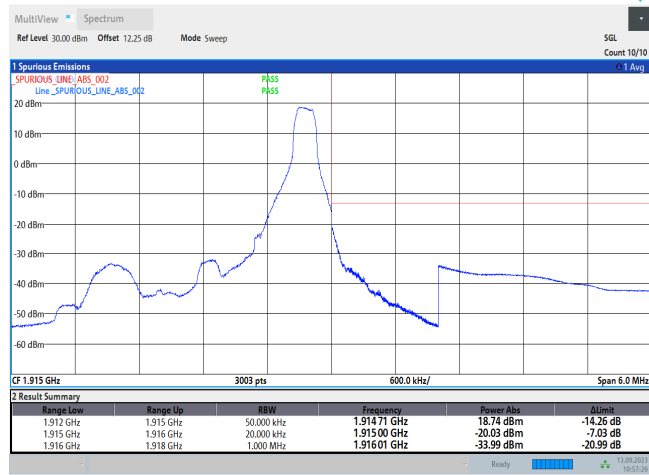


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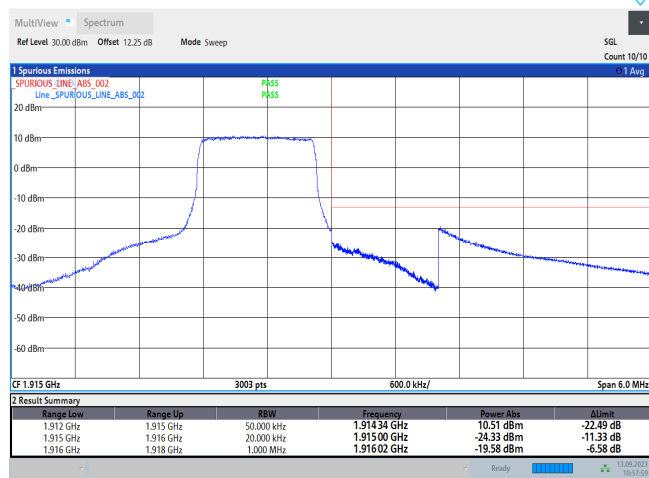
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Band25-1.4MHz-QPSK-26683-1RB#5



10:57:27 13. 09. 2023

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

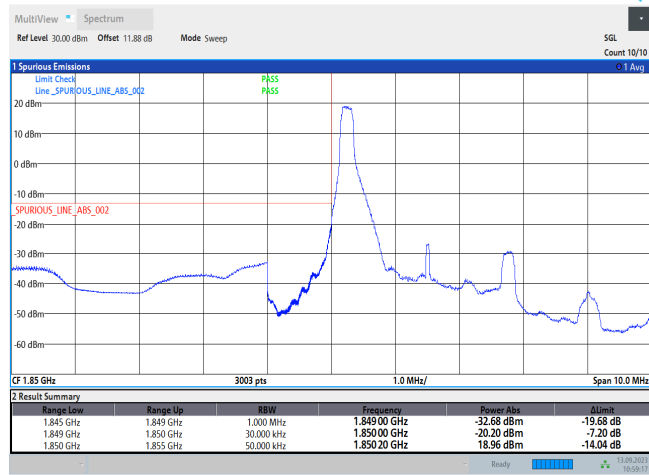


10:58:00 13. 09. 2023



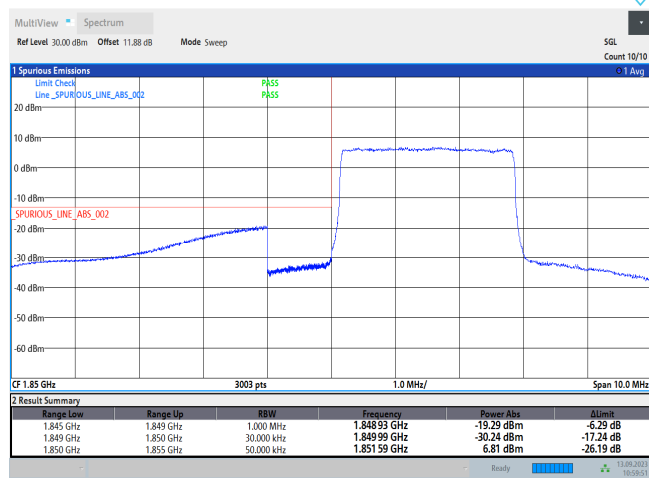
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Band25-3MHz-QPSK-26055-1RB#0



10:59:17 13. 09. 2023

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

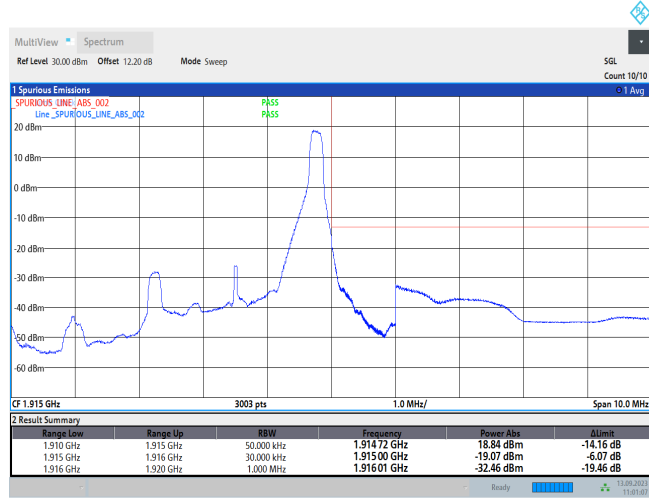


10:59:52 13. 09. 2023



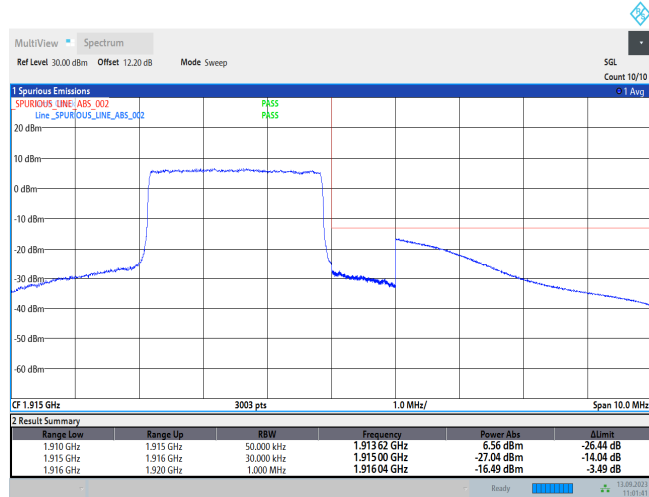
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Band25-3MHz-QPSK-26675-1RB#14



11:01:08 13.09.2023

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



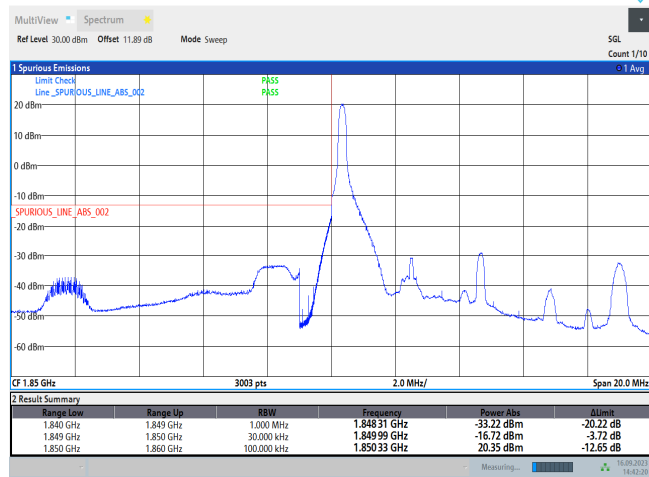
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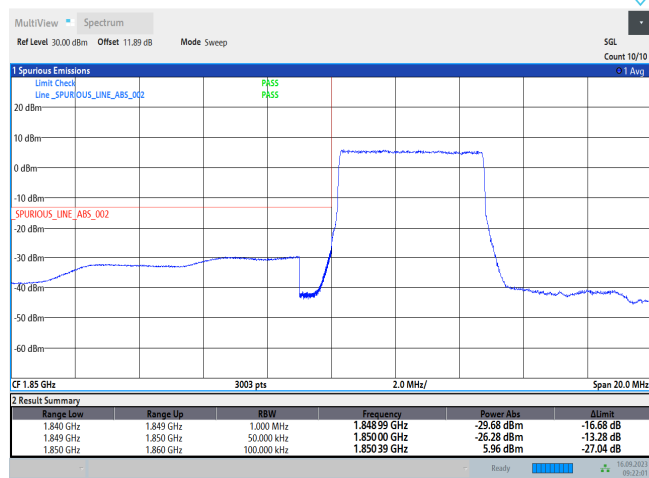
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Band25-5MHz-QPSK-26065-1RB#0



14:42:20 16.09.2023

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

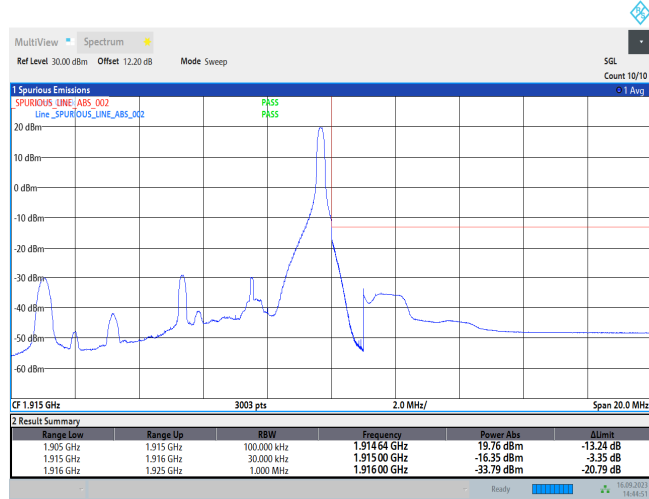


09:22:02 16.09.2023



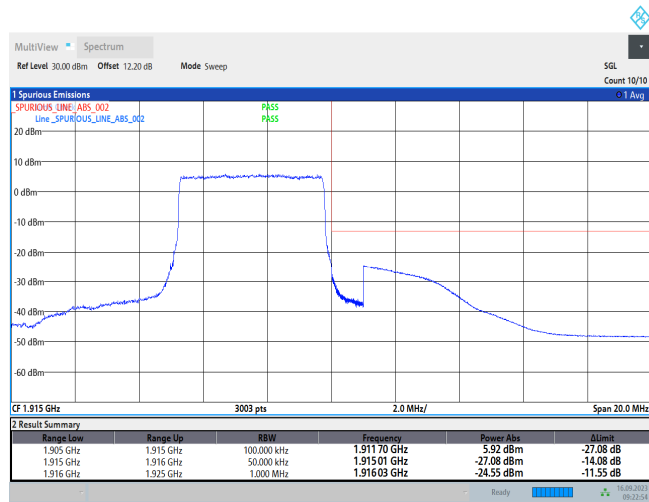
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Band25-5MHz-QPSK-26665-1RB#24



14:44:52 16. 09. 2023

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



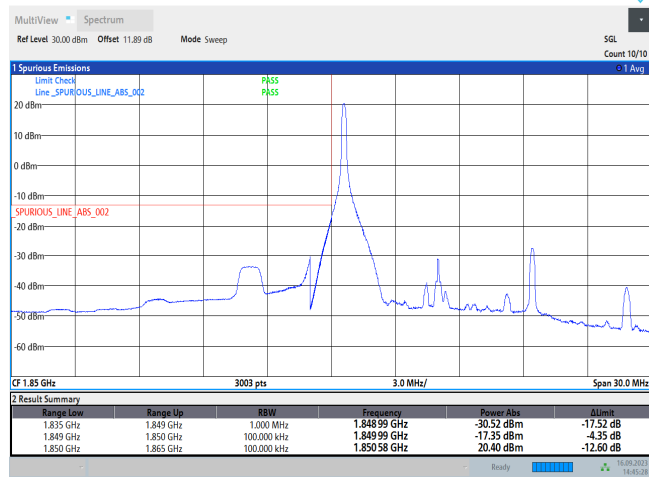
09:22:55 16. 09. 2023



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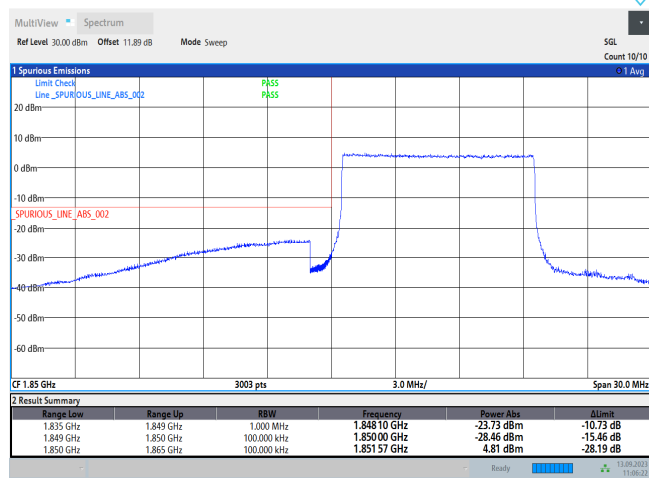
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 中国·西安·沣东新城科源三路137号康隆橙方科技园1号楼D单元1层 | 邮编: 710086 | t (86-29) 6282 7885 | sgs.china@sgs.com

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



14:45:28 16.09.2023

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

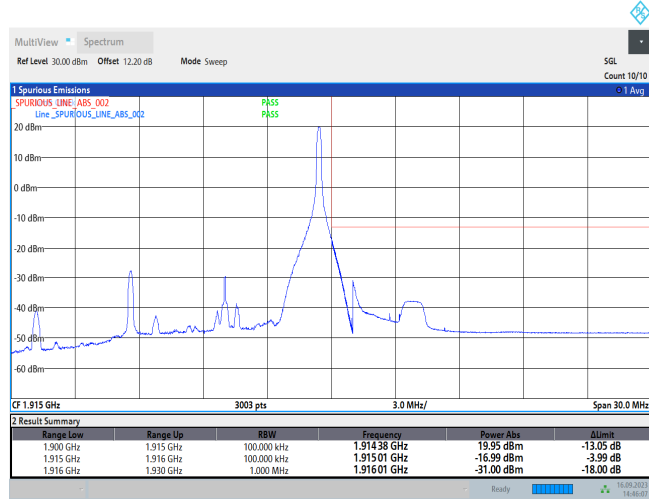


11:06:23 13.09.2023



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



14:46:07 16.09.2023

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



11:07:56 13.09.2023



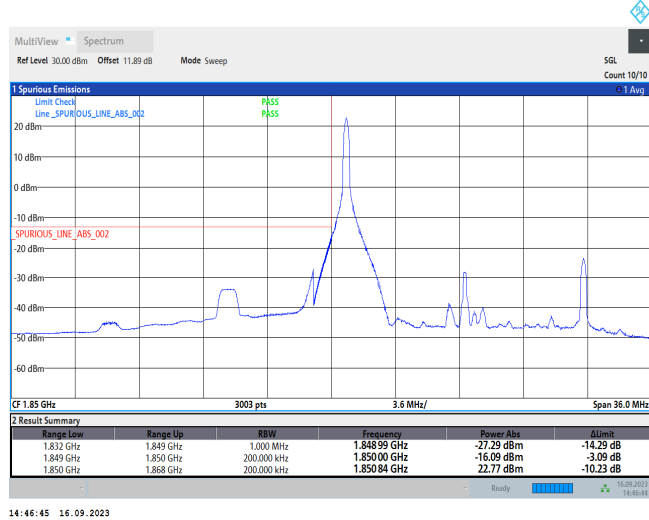
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中国·西安·沣东新城科源三路137号康隆橙方科技园1号楼D单元1层 邮编: 710086

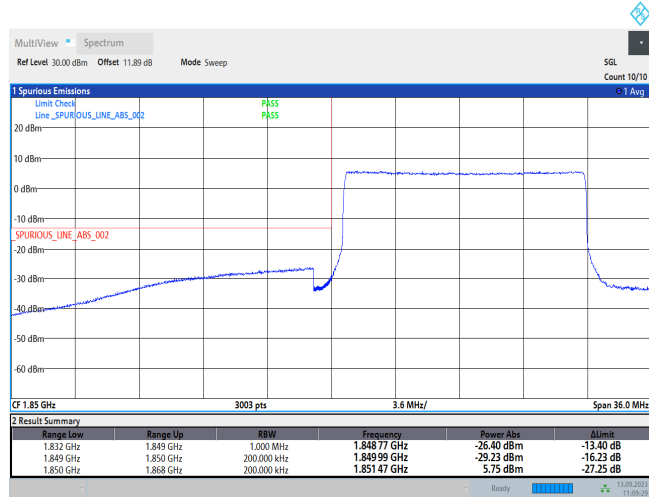
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t (86-29) 6282 7885 sgs.china@sgs.com

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



14:46:45 16.09.2023

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

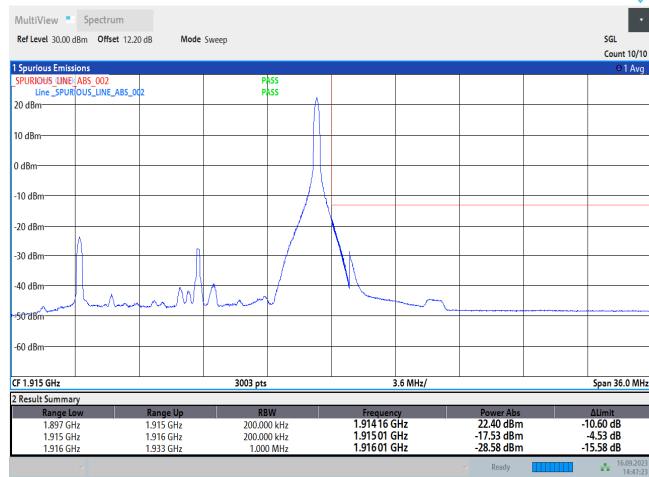


11:09:29 13.09.2023



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



14:47:24 16. 09. 2023

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

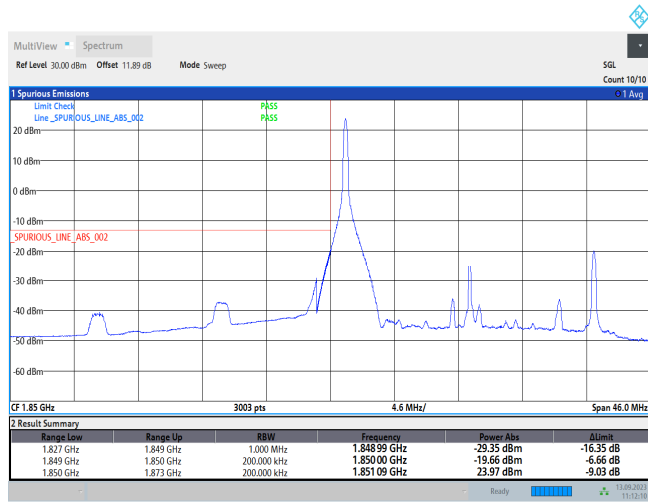


11:11:02 13. 09. 2023



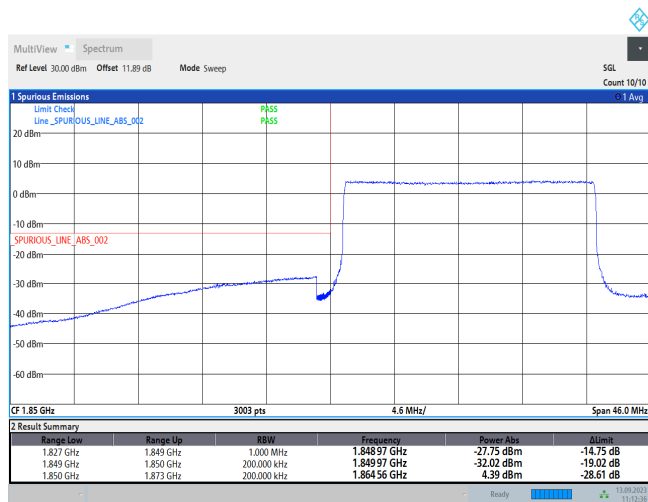
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Band25-20MHz-QPSK-26140-1RB#0



11:12:12 13.09.2023

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

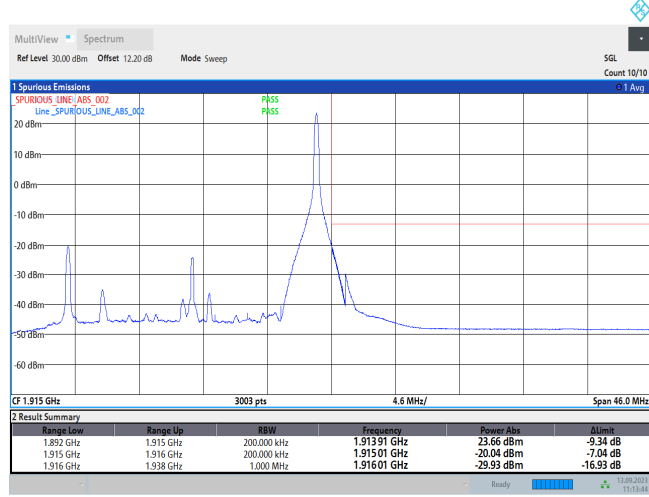


11:12:36 13.09.2023



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



11:13:45 13.09.2023

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



11:14:09 13.09.2023

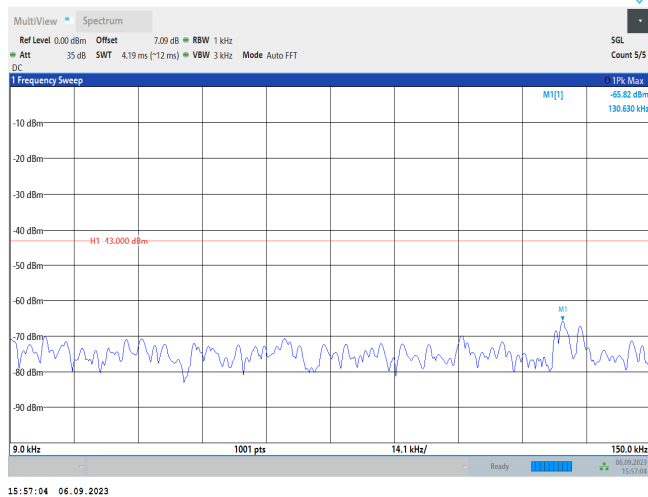


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Conducted Spurious Emission

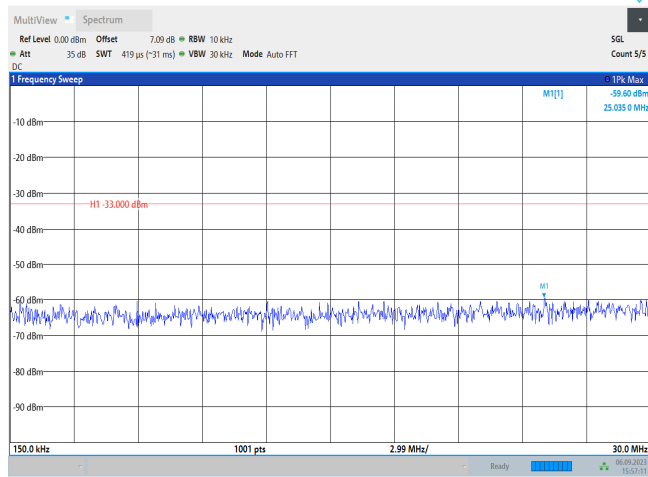
Test Graphs

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



15:57:04 06.09.2023

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

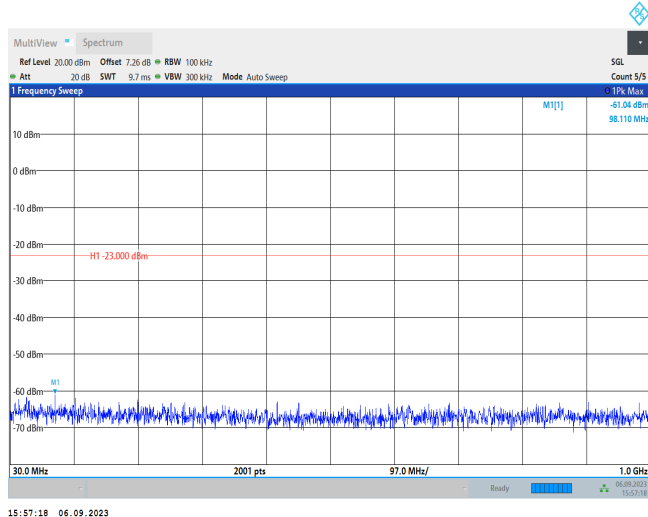


15:57:11 06.09.2023



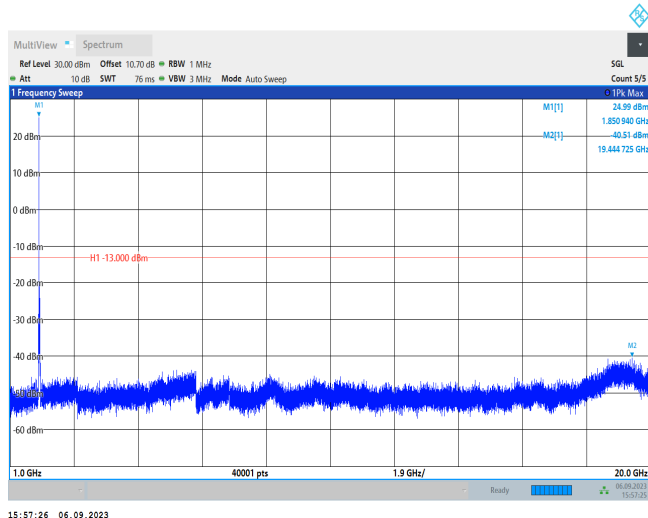
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Band25-20MHz-QPSK-26140-1RB#0-Range3:30~1000MHz



15:57:18 06.09.2023

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

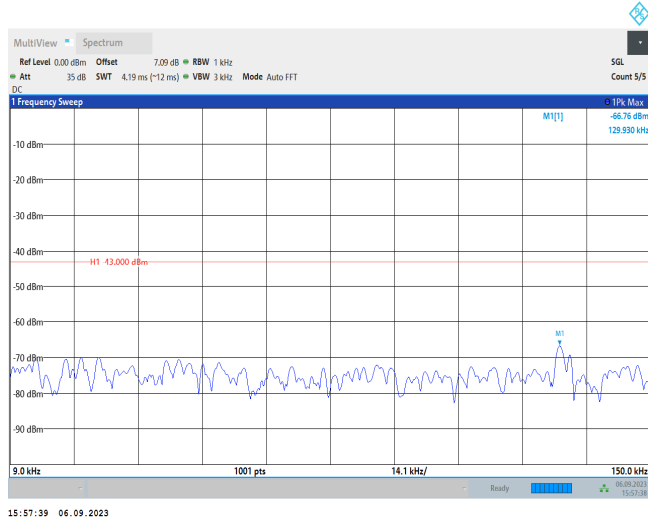


15:57:26 06.09.2023



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

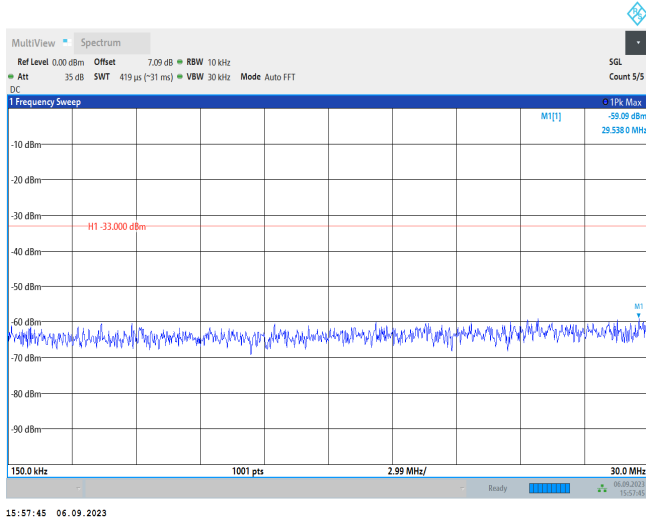


15:57:39 06.09.2023



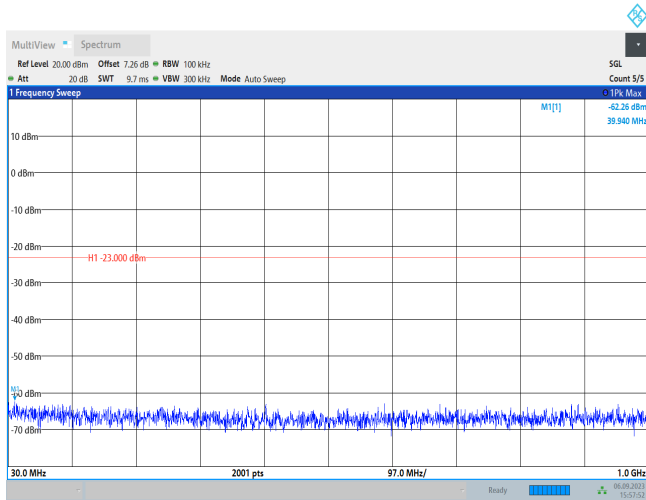
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Band25-20MHz-QPSK-26365-1RB#0-Range2:0.15~30MHz



15:57:45 06.09.2023

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



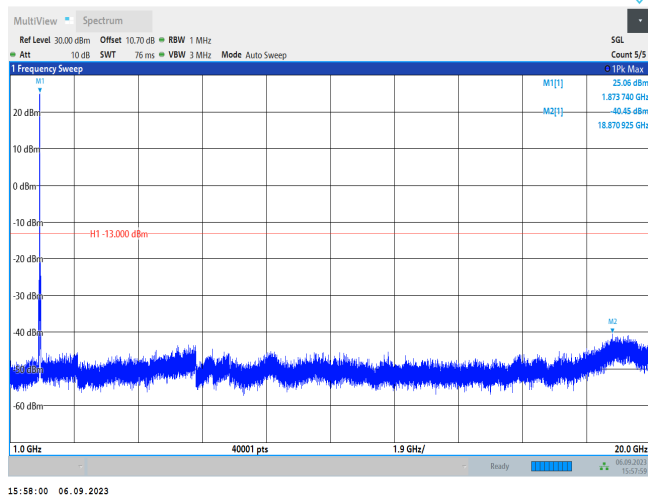
15:57:52 06.09.2023



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 Rev.: 01
 Page: 69 of 75

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



15:58:00 06.09.2023



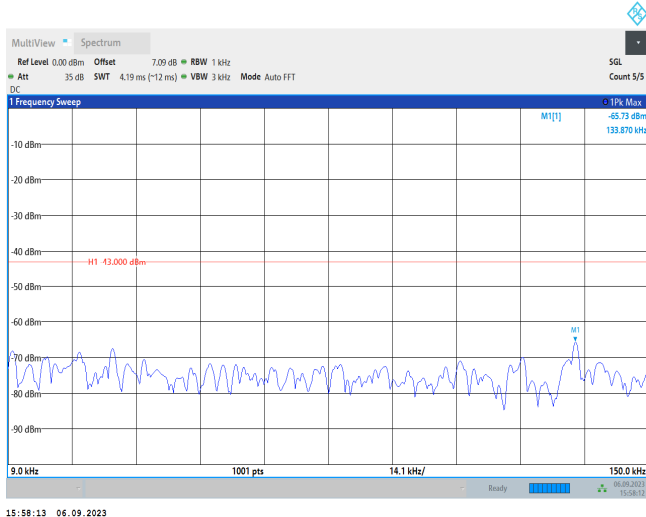
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 中国·西安·沣东新城科源三路137号康隆橙方科技园1号楼D单元1层 邮编: 710086

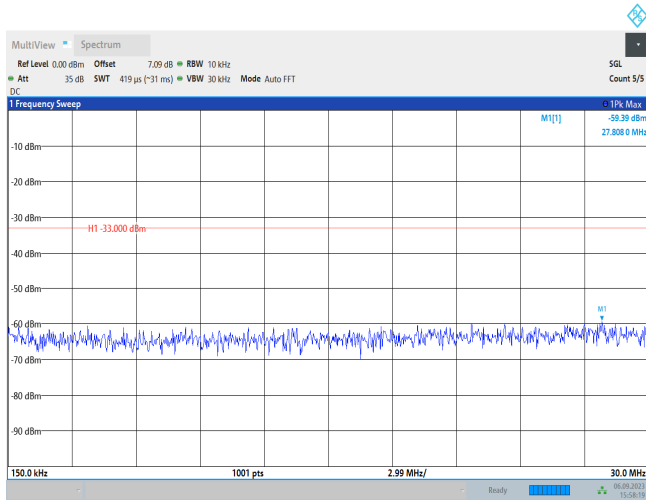
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Band25-20MHz-QPSK-26590-1RB#0-Range1:0.009~0.15MHz



15:58:13 06.09.2023

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

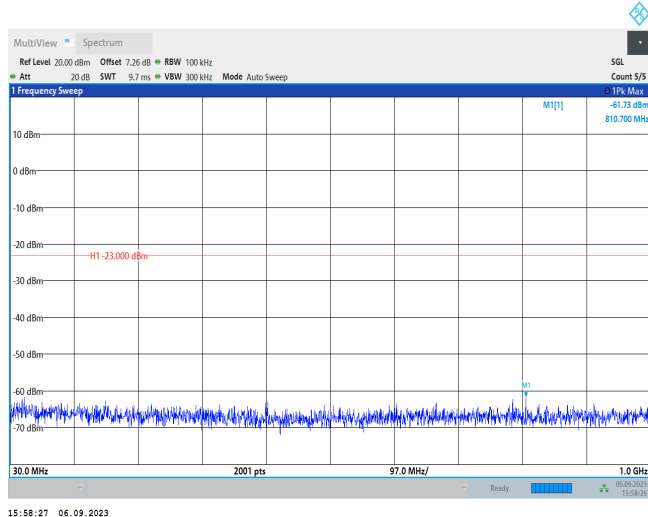


15:58:20 06.09.2023



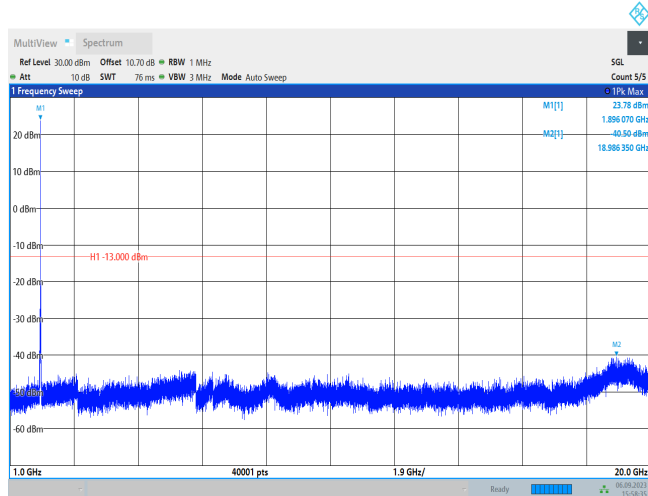
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Band25-20MHz-QPSK-26590-1RB#0-Range3:30~1000MHz



15:58:27 06.09.2023

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



15:58:35 06.09.2023



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Field Strength of Spurious Radiation

Test Band = LTE_25_20MHz

Test Channel = LCH

Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF [dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	2996	37.42	-21.78	28.58	-51.04	-13.00	38.04	Horizontal
2	3702	52.01	-44.52	29.31	-58.46	-13.00	45.46	Horizontal
3	5048.5	45.90	-42.62	31.59	-60.39	-13.00	47.39	Horizontal
4	7434.5	43.52	-38.28	36.77	-53.25	-13.00	40.25	Horizontal
5	11110	43.19	-37.76	40.20	-49.63	-13.00	36.63	Horizontal
6	16394	40.95	-34.85	38.78	-50.38	-13.00	37.38	Horizontal

Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF [dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	2992.5	37.41	-21.78	28.56	-51.07	-13.00	38.07	Vertical
2	3702	54.99	-44.52	29.31	-55.48	-13.00	42.48	Vertical
3	5553	49.37	-41.63	32.22	-55.30	-13.00	42.30	Vertical
4	7404.5	45.59	-38.28	36.71	-51.24	-13.00	38.24	Vertical
5	9915.5	42.10	-35.37	38.62	-49.91	-13.00	36.91	Vertical
6	17986	40.49	-43.15	47.95	-49.97	-13.00	36.97	Vertical



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Test Band = LTE_25_20MHz

Test Channel = MCH

Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF [dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3000	37.61	-21.77	28.60	-50.82	-13.00	37.82	Horizontal
2	3742	51.86	-44.69	29.55	-58.54	-13.00	45.54	Horizontal
3	5717	45.42	-41.19	32.50	-58.53	-13.00	45.53	Horizontal
4	9007	42.11	-36.07	36.67	-52.55	-13.00	39.55	Horizontal
5	11124.5	42.96	-37.99	40.20	-50.09	-13.00	37.09	Horizontal
6	16399	41.28	-34.83	38.80	-50.01	-13.00	37.01	Horizontal

Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF [dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	2980	37.50	-21.80	28.48	-51.08	-13.00	38.08	Vertical
2	3742	50.91	-44.69	29.55	-59.49	-13.00	46.49	Vertical
3	5613.5	50.96	-41.40	32.57	-53.13	-13.00	40.13	Vertical
4	7484.5	45.41	-38.29	36.87	-51.27	-13.00	38.27	Vertical
5	9893.5	41.39	-35.01	38.55	-50.33	-13.00	37.33	Vertical
6	16362	41.76	-35.03	38.69	-49.84	-13.00	36.84	Vertical



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t (86-29) 6282 7885 sgs.china@sgs.com

Test Band = LTE_25_20MHz
 Test Channel = HCH

Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF [dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	2991.5	37.39	-21.78	28.55	-51.10	-13.00	38.10	Horizontal
2	3792	48.97	-44.90	29.77	-61.42	-13.00	48.42	Horizontal
3	6480.5	44.18	-40.54	34.11	-57.51	-13.00	44.51	Horizontal
4	7495.5	43.86	-38.29	36.89	-52.80	-13.00	39.80	Horizontal
5	11117.5	42.93	-37.88	40.20	-50.01	-13.00	37.01	Horizontal
6	16388	41.07	-34.89	38.76	-50.32	-13.00	37.32	Horizontal

Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF [dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	2986.5	37.43	-21.79	28.52	-51.10	-13.00	38.10	Vertical
2	3792.5	49.26	-44.90	29.77	-61.13	-13.00	48.13	Vertical
3	5688	49.25	-41.18	32.50	-54.69	-13.00	41.69	Vertical
4	7500	43.48	-38.29	36.90	-53.17	-13.00	40.17	Vertical
5	11098.5	42.45	-37.58	40.20	-50.19	-13.00	37.19	Vertical
6	16349	41.68	-35.10	38.65	-50.03	-13.00	37.03	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) - Pre-amplifier (dB)

Level = Reading Level + AF + Factor -95.26

Margin = Limit – Level



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Frequency Stability

Test Result

Voltage									
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band25	20MHz	QPSK	26365	100RB#0	VL	NT	-10.40	-0.005525	PASS
Band25	20MHz	QPSK	26365	100RB#0	VN	NT	-11.40	-0.006056	PASS
Band25	20MHz	QPSK	26365	100RB#0	VH	NT	-15.31	-0.008133	PASS

Temperature									
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band25	20MHz	QPSK	26365	100RB#0	NV	-30	-13.95	-0.007410	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	-20	-11.12	-0.005907	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	-10	-9.60	-0.005100	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	0	-15.21	-0.008080	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	10	-6.69	-0.003554	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	20	-16.22	-0.008616	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	30	-14.36	-0.007628	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	40	-11.50	-0.006109	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	50	-13.70	-0.007278	PASS

---End of Attachment---



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