

Appendix B.6

LTE Band 7



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Effective (Isotropic) Radiated Power Output Data

Test Result

ANT0:

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	EIRP(dBm)	Limit(dBm)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	23.88	24.53	33	PASS
Band7	5MHz	QPSK	20775	1RB#12	23.91	24.56	33	PASS
Band7	5MHz	QPSK	20775	1RB#24	23.65	24.3	33	PASS
Band7	5MHz	QPSK	20775	25RB#0	23.17	23.82	33	PASS
Band7	5MHz	QPSK	21100	1RB#0	23.98	24.63	33	PASS
Band7	5MHz	QPSK	21100	1RB#12	23.91	24.56	33	PASS
Band7	5MHz	QPSK	21100	1RB#24	23.97	24.62	33	PASS
Band7	5MHz	QPSK	21100	25RB#0	22.98	23.63	33	PASS
Band7	5MHz	QPSK	21425	1RB#0	23.54	24.19	33	PASS
Band7	5MHz	QPSK	21425	1RB#12	23.54	24.19	33	PASS
Band7	5MHz	QPSK	21425	1RB#24	23.54	24.19	33	PASS
Band7	5MHz	QPSK	21425	25RB#0	23.2	23.85	33	PASS
Band7	5MHz	16QAM	20775	1RB#0	23.53	24.18	33	PASS
Band7	5MHz	16QAM	20775	1RB#12	23.35	24	33	PASS
Band7	5MHz	16QAM	20775	1RB#24	23.55	24.2	33	PASS
Band7	5MHz	16QAM	20775	25RB#0	22.21	22.86	33	PASS
Band7	5MHz	16QAM	21100	1RB#0	23.42	24.07	33	PASS
Band7	5MHz	16QAM	21100	1RB#12	23.34	23.99	33	PASS
Band7	5MHz	16QAM	21100	1RB#24	23.3	23.95	33	PASS
Band7	5MHz	16QAM	21100	25RB#0	22.04	22.69	33	PASS
Band7	5MHz	16QAM	21425	1RB#0	23.55	24.2	33	PASS
Band7	5MHz	16QAM	21425	1RB#12	23.26	23.91	33	PASS
Band7	5MHz	16QAM	21425	1RB#24	23.55	24.2	33	PASS
Band7	5MHz	16QAM	21425	25RB#0	22.08	22.73	33	PASS
Band7	5MHz	64QAM	20775	1RB#0	22.19	22.84	33	PASS
Band7	5MHz	64QAM	20775	1RB#12	22.26	22.91	33	PASS



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Band7	5MHz	64QAM	20775	1RB#24	22.28	22.93	33	PASS
Band7	5MHz	64QAM	20775	25RB#0	21.2	21.85	33	PASS
Band7	5MHz	64QAM	21100	1RB#0	22.18	22.83	33	PASS
Band7	5MHz	64QAM	21100	1RB#12	22.22	22.87	33	PASS
Band7	5MHz	64QAM	21100	1RB#24	22.09	22.74	33	PASS
Band7	5MHz	64QAM	21100	25RB#0	21.05	21.7	33	PASS
Band7	5MHz	64QAM	21425	1RB#0	22.23	22.88	33	PASS
Band7	5MHz	64QAM	21425	1RB#12	22.22	22.87	33	PASS
Band7	5MHz	64QAM	21425	1RB#24	22.34	22.99	33	PASS
Band7	5MHz	64QAM	21425	25RB#0	21.13	21.78	33	PASS
Band7	5MHz	256QAM	20775	1RB#0	19.17	19.82	33	PASS
Band7	5MHz	256QAM	20775	1RB#12	19.15	19.8	33	PASS
Band7	5MHz	256QAM	20775	1RB#24	19.34	19.99	33	PASS
Band7	5MHz	256QAM	20775	25RB#0	19.16	19.81	33	PASS
Band7	5MHz	256QAM	21100	1RB#0	19.06	19.71	33	PASS
Band7	5MHz	256QAM	21100	1RB#12	18.97	19.62	33	PASS
Band7	5MHz	256QAM	21100	1RB#24	19.1	19.75	33	PASS
Band7	5MHz	256QAM	21100	25RB#0	19.02	19.67	33	PASS
Band7	5MHz	256QAM	21425	1RB#0	19.05	19.7	33	PASS
Band7	5MHz	256QAM	21425	1RB#12	19.25	19.9	33	PASS
Band7	5MHz	256QAM	21425	1RB#24	19.14	19.79	33	PASS
Band7	5MHz	256QAM	21425	25RB#0	19.18	19.83	33	PASS
Band7	10MHz	QPSK	20800	1RB#0	23.42	24.07	33	PASS
Band7	10MHz	QPSK	20800	1RB#24	23.24	23.89	33	PASS
Band7	10MHz	QPSK	20800	1RB#49	23.58	24.23	33	PASS
Band7	10MHz	QPSK	20800	50RB#0	23.2	23.85	33	PASS
Band7	10MHz	QPSK	21100	1RB#0	23.63	24.28	33	PASS
Band7	10MHz	QPSK	21100	1RB#24	23.78	24.43	33	PASS
Band7	10MHz	QPSK	21100	1RB#49	23.69	24.34	33	PASS
Band7	10MHz	QPSK	21100	50RB#0	23.01	23.66	33	PASS
Band7	10MHz	QPSK	21400	1RB#0	23.57	24.22	33	PASS
Band7	10MHz	QPSK	21400	1RB#24	23.79	24.44	33	PASS
Band7	10MHz	QPSK	21400	1RB#49	23.98	24.63	33	PASS



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Band7	10MHz	QPSK	21400	50RB#0	23.16	23.81	33	PASS
Band7	10MHz	16QAM	20800	1RB#0	23.4	24.05	33	PASS
Band7	10MHz	16QAM	20800	1RB#24	23.31	23.96	33	PASS
Band7	10MHz	16QAM	20800	1RB#49	23.37	24.02	33	PASS
Band7	10MHz	16QAM	20800	50RB#0	22.29	22.94	33	PASS
Band7	10MHz	16QAM	21100	1RB#0	23.27	23.92	33	PASS
Band7	10MHz	16QAM	21100	1RB#24	23.22	23.87	33	PASS
Band7	10MHz	16QAM	21100	1RB#49	23.29	23.94	33	PASS
Band7	10MHz	16QAM	21100	50RB#0	22.07	22.72	33	PASS
Band7	10MHz	16QAM	21400	1RB#0	23.21	23.86	33	PASS
Band7	10MHz	16QAM	21400	1RB#24	23.25	23.9	33	PASS
Band7	10MHz	16QAM	21400	1RB#49	23.41	24.06	33	PASS
Band7	10MHz	16QAM	21400	50RB#0	22.21	22.86	33	PASS
Band7	10MHz	64QAM	20800	1RB#0	22.33	22.98	33	PASS
Band7	10MHz	64QAM	20800	1RB#24	22.38	23.03	33	PASS
Band7	10MHz	64QAM	20800	1RB#49	22.32	22.97	33	PASS
Band7	10MHz	64QAM	20800	50RB#0	21.29	21.94	33	PASS
Band7	10MHz	64QAM	21100	1RB#0	22.26	22.91	33	PASS
Band7	10MHz	64QAM	21100	1RB#24	22.15	22.8	33	PASS
Band7	10MHz	64QAM	21100	1RB#49	22.18	22.83	33	PASS
Band7	10MHz	64QAM	21100	50RB#0	21.05	21.7	33	PASS
Band7	10MHz	64QAM	21400	1RB#0	22.19	22.84	33	PASS
Band7	10MHz	64QAM	21400	1RB#24	22.3	22.95	33	PASS
Band7	10MHz	64QAM	21400	1RB#49	22.3	22.95	33	PASS
Band7	10MHz	64QAM	21400	50RB#0	21.22	21.87	33	PASS
Band7	10MHz	256QAM	20800	1RB#0	19.27	19.92	33	PASS
Band7	10MHz	256QAM	20800	1RB#24	19.18	19.83	33	PASS
Band7	10MHz	256QAM	20800	1RB#49	19.46	20.11	33	PASS
Band7	10MHz	256QAM	20800	50RB#0	19.23	19.88	33	PASS
Band7	10MHz	256QAM	21100	1RB#0	19.08	19.73	33	PASS
Band7	10MHz	256QAM	21100	1RB#24	19.09	19.74	33	PASS
Band7	10MHz	256QAM	21100	1RB#49	19.22	19.87	33	PASS
Band7	10MHz	256QAM	21100	50RB#0	19.07	19.72	33	PASS



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Band7	10MHz	256QAM	21400	1RB#0	18.99	19.64	33	PASS
Band7	10MHz	256QAM	21400	1RB#24	19.29	19.94	33	PASS
Band7	10MHz	256QAM	21400	1RB#49	19.14	19.79	33	PASS
Band7	10MHz	256QAM	21400	50RB#0	19.13	19.78	33	PASS
Band7	15MHz	QPSK	20825	1RB#0	23.9	24.55	33	PASS
Band7	15MHz	QPSK	20825	1RB#38	23.96	24.61	33	PASS
Band7	15MHz	QPSK	20825	1RB#74	23.88	24.53	33	PASS
Band7	15MHz	QPSK	20825	75RB#0	23.03	23.68	33	PASS
Band7	15MHz	QPSK	21100	1RB#0	23.44	24.09	33	PASS
Band7	15MHz	QPSK	21100	1RB#38	23.8	24.45	33	PASS
Band7	15MHz	QPSK	21100	1RB#74	23.83	24.48	33	PASS
Band7	15MHz	QPSK	21100	75RB#0	22.91	23.56	33	PASS
Band7	15MHz	QPSK	21375	1RB#0	23.63	24.28	33	PASS
Band7	15MHz	QPSK	21375	1RB#38	23.77	24.42	33	PASS
Band7	15MHz	QPSK	21375	1RB#74	23.9	24.55	33	PASS
Band7	15MHz	QPSK	21375	75RB#0	22.98	23.63	33	PASS
Band7	15MHz	16QAM	20825	1RB#0	23.17	23.82	33	PASS
Band7	15MHz	16QAM	20825	1RB#38	23.36	24.01	33	PASS
Band7	15MHz	16QAM	20825	1RB#74	23.12	23.77	33	PASS
Band7	15MHz	16QAM	20825	75RB#0	22.04	22.69	33	PASS
Band7	15MHz	16QAM	21100	1RB#0	23.1	23.75	33	PASS
Band7	15MHz	16QAM	21100	1RB#38	23.02	23.67	33	PASS
Band7	15MHz	16QAM	21100	1RB#74	22.98	23.63	33	PASS
Band7	15MHz	16QAM	21100	75RB#0	21.91	22.56	33	PASS
Band7	15MHz	16QAM	21375	1RB#0	23.02	23.67	33	PASS
Band7	15MHz	16QAM	21375	1RB#38	23	23.65	33	PASS
Band7	15MHz	16QAM	21375	1RB#74	23.09	23.74	33	PASS
Band7	15MHz	16QAM	21375	75RB#0	22	22.65	33	PASS
Band7	15MHz	64QAM	20825	1RB#0	21.98	22.63	33	PASS
Band7	15MHz	64QAM	20825	1RB#38	22.23	22.88	33	PASS
Band7	15MHz	64QAM	20825	1RB#74	22.17	22.82	33	PASS
Band7	15MHz	64QAM	20825	75RB#0	20.96	21.61	33	PASS
Band7	15MHz	64QAM	21100	1RB#0	21.96	22.61	33	PASS



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Band7	15MHz	64QAM	21100	1RB#38	22.03	22.68	33	PASS
Band7	15MHz	64QAM	21100	1RB#74	21.92	22.57	33	PASS
Band7	15MHz	64QAM	21100	75RB#0	20.91	21.56	33	PASS
Band7	15MHz	64QAM	21375	1RB#0	21.97	22.62	33	PASS
Band7	15MHz	64QAM	21375	1RB#38	22.01	22.66	33	PASS
Band7	15MHz	64QAM	21375	1RB#74	22.12	22.77	33	PASS
Band7	15MHz	64QAM	21375	75RB#0	21.04	21.69	33	PASS
Band7	15MHz	256QAM	20825	1RB#0	19.05	19.7	33	PASS
Band7	15MHz	256QAM	20825	1RB#38	19.05	19.7	33	PASS
Band7	15MHz	256QAM	20825	1RB#74	19.07	19.72	33	PASS
Band7	15MHz	256QAM	20825	75RB#0	19.06	19.71	33	PASS
Band7	15MHz	256QAM	21100	1RB#0	19.04	19.69	33	PASS
Band7	15MHz	256QAM	21100	1RB#38	19.02	19.67	33	PASS
Band7	15MHz	256QAM	21100	1RB#74	18.94	19.59	33	PASS
Band7	15MHz	256QAM	21100	75RB#0	18.92	19.57	33	PASS
Band7	15MHz	256QAM	21375	1RB#0	18.72	19.37	33	PASS
Band7	15MHz	256QAM	21375	1RB#38	18.98	19.63	33	PASS
Band7	15MHz	256QAM	21375	1RB#74	19.03	19.68	33	PASS
Band7	15MHz	256QAM	21375	75RB#0	19.03	19.68	33	PASS
Band7	20MHz	QPSK	20850	1RB#0	23.85	24.5	33	PASS
Band7	20MHz	QPSK	20850	1RB#49	23.96	24.61	33	PASS
Band7	20MHz	QPSK	20850	1RB#99	23.79	24.44	33	PASS
Band7	20MHz	QPSK	20850	100RB#0	23.03	23.68	33	PASS
Band7	20MHz	QPSK	21100	1RB#0	23.41	24.06	33	PASS
Band7	20MHz	QPSK	21100	1RB#49	23.83	24.48	33	PASS
Band7	20MHz	QPSK	21100	1RB#99	23.76	24.41	33	PASS
Band7	20MHz	QPSK	21100	100RB#0	22.92	23.57	33	PASS
Band7	20MHz	QPSK	21350	1RB#0	23.52	24.17	33	PASS
Band7	20MHz	QPSK	21350	1RB#49	23.76	24.41	33	PASS
Band7	20MHz	QPSK	21350	1RB#99	23.87	24.52	33	PASS
Band7	20MHz	QPSK	21350	100RB#0	23.02	23.67	33	PASS
Band7	20MHz	16QAM	20850	1RB#0	23.13	23.78	33	PASS
Band7	20MHz	16QAM	20850	1RB#49	23.21	23.86	33	PASS



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Band7	20MHz	16QAM	20850	100RB#0	22.06	22.71	33	PASS
Band7	20MHz	16QAM	21100	1RB#0	23.09	23.74	33	PASS
Band7	20MHz	16QAM	21100	1RB#49	23.02	23.67	33	PASS
Band7	20MHz	16QAM	21100	1RB#99	22.98	23.63	33	PASS
Band7	20MHz	16QAM	21100	100RB#0	21.89	22.54	33	PASS
Band7	20MHz	16QAM	21350	1RB#0	23.06	23.71	33	PASS
Band7	20MHz	16QAM	21350	1RB#49	23.26	23.91	33	PASS
Band7	20MHz	16QAM	21350	1RB#99	23.22	23.87	33	PASS
Band7	20MHz	16QAM	21350	100RB#0	21.95	22.6	33	PASS
Band7	20MHz	64QAM	20850	1RB#0	22.02	22.67	33	PASS
Band7	20MHz	64QAM	20850	1RB#49	22.21	22.86	33	PASS
Band7	20MHz	64QAM	20850	1RB#99	22.07	22.72	33	PASS
Band7	20MHz	64QAM	20850	100RB#0	21.04	21.69	33	PASS
Band7	20MHz	64QAM	21100	1RB#0	21.91	22.56	33	PASS
Band7	20MHz	64QAM	21100	1RB#49	22.09	22.74	33	PASS
Band7	20MHz	64QAM	21100	1RB#99	21.99	22.64	33	PASS
Band7	20MHz	64QAM	21100	100RB#0	20.86	21.51	33	PASS
Band7	20MHz	64QAM	21350	1RB#0	21.95	22.6	33	PASS
Band7	20MHz	64QAM	21350	1RB#49	22.08	22.73	33	PASS
Band7	20MHz	64QAM	21350	1RB#99	22.15	22.8	33	PASS
Band7	20MHz	64QAM	21350	100RB#0	20.98	21.63	33	PASS
Band7	20MHz	256QAM	20850	1RB#0	19.19	19.84	33	PASS
Band7	20MHz	256QAM	20850	1RB#49	19.1	19.75	33	PASS
Band7	20MHz	256QAM	20850	1RB#99	18.97	19.62	33	PASS
Band7	20MHz	256QAM	20850	100RB#0	19.06	19.71	33	PASS
Band7	20MHz	256QAM	21100	1RB#0	18.99	19.64	33	PASS
Band7	20MHz	256QAM	21100	1RB#49	18.93	19.58	33	PASS
Band7	20MHz	256QAM	21100	1RB#99	19.11	19.76	33	PASS
Band7	20MHz	256QAM	21100	100RB#0	18.9	19.55	33	PASS
Band7	20MHz	256QAM	21350	1RB#0	18.97	19.62	33	PASS
Band7	20MHz	256QAM	21350	1RB#49	18.85	19.5	33	PASS
Band7	20MHz	256QAM	21350	1RB#99	19.1	19.75	33	PASS



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Rev.: 01

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Band7	20MHz	256QAM	21350	100RB#0	18.97	19.62	33	PASS
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Peak-to-Average Ratio(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band7	20MHz	QPSK	20850	100RB#0	5.00	13	PASS
Band7	20MHz	QPSK	21100	100RB#0	5.12	13	PASS
Band7	20MHz	QPSK	21350	100RB#0	4.92	13	PASS
Band7	20MHz	16QAM	20850	100RB#0	5.84	13	PASS
Band7	20MHz	16QAM	21100	100RB#0	5.94	13	PASS
Band7	20MHz	16QAM	21350	100RB#0	5.80	13	PASS
Band7	20MHz	64QAM	20850	100RB#0	6.52	13	PASS
Band7	20MHz	64QAM	21100	100RB#0	6.56	13	PASS
Band7	20MHz	64QAM	21350	100RB#0	6.42	13	PASS
Band7	20MHz	256QAM	20850	100RB#0	6.82	13	PASS
Band7	20MHz	256QAM	21100	100RB#0	6.88	13	PASS
Band7	20MHz	256QAM	21350	100RB#0	6.76	13	PASS



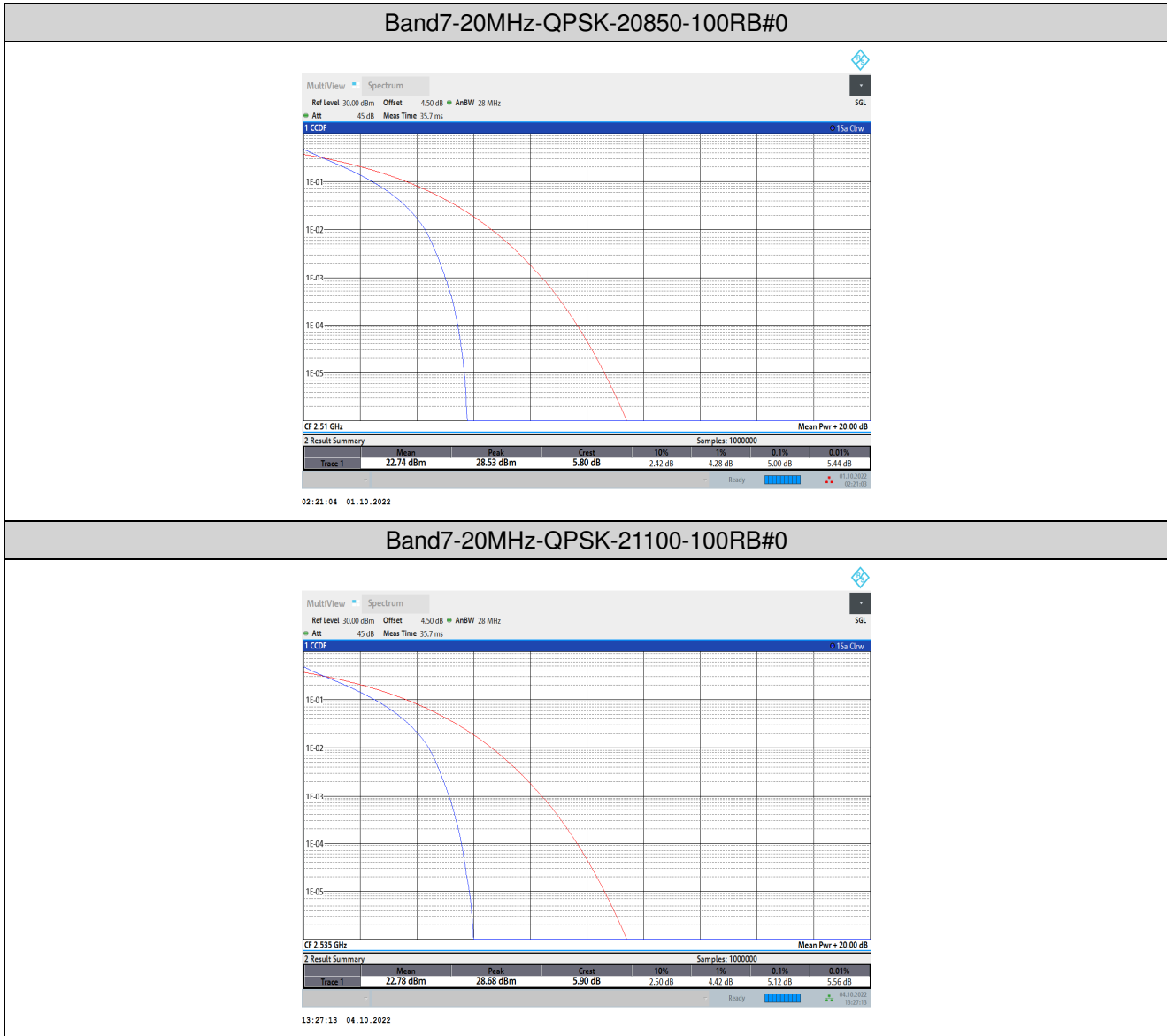
SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.
Wireless Laboratories

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Test Graphs

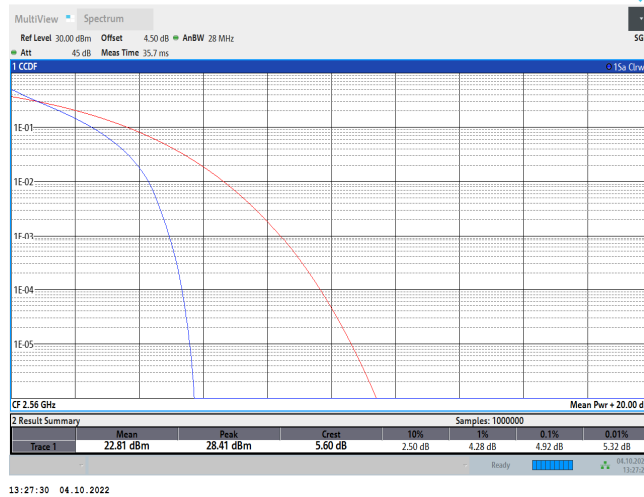


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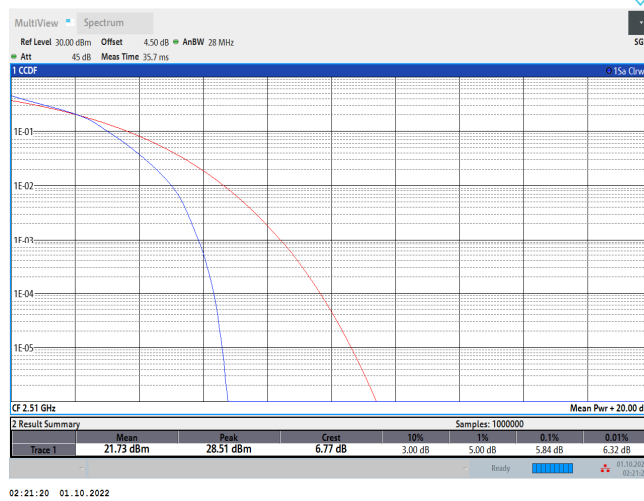
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Band7-20MHz-QPSK-21350-100RB#0



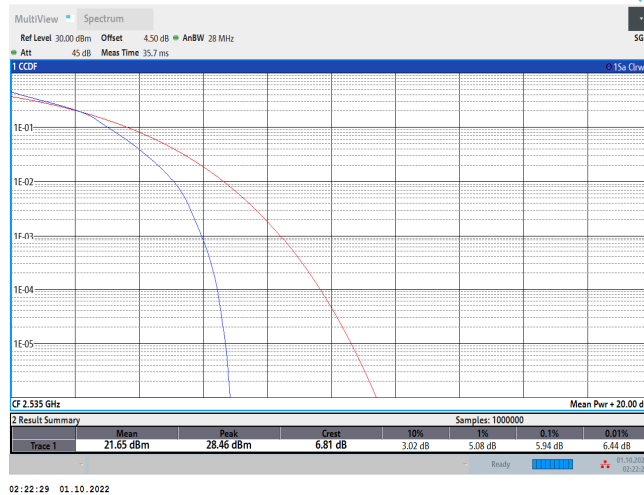
Band7-20MHz-16QAM-20850-100RB#0



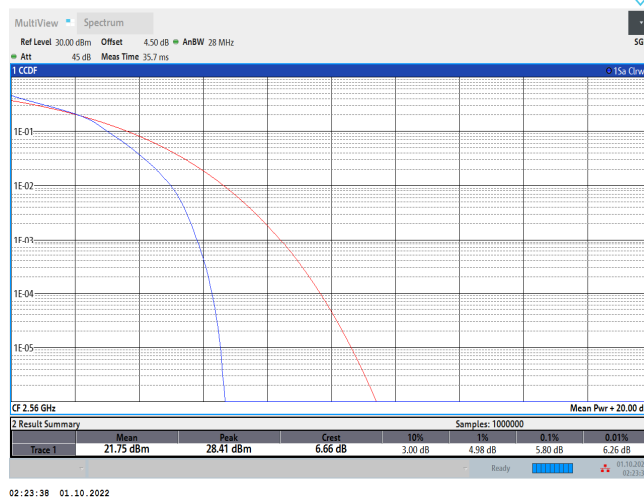
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Band7-20MHz-16QAM-21100-100RB#0

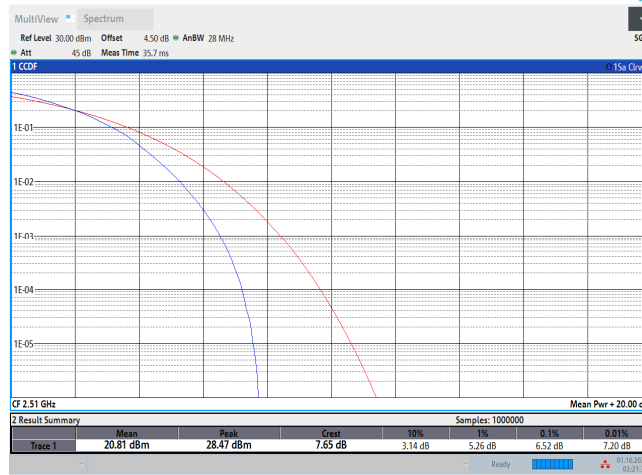


Band7-20MHz-16QAM-21350-100RB#0



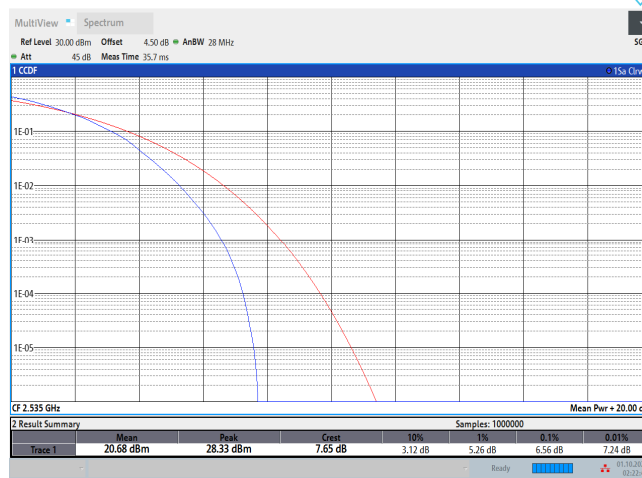
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Band7-20MHz-64QAM-20850-100RB#0



02:21:37 01.10.2022

Band7-20MHz-64QAM-21100-100RB#0



02:22:46 01.10.2022

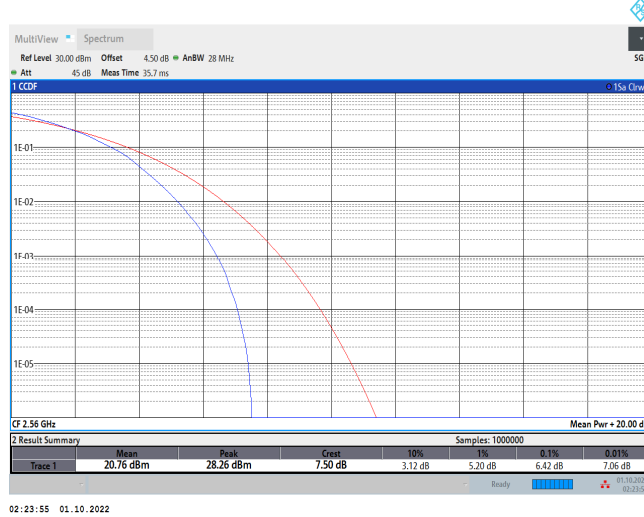


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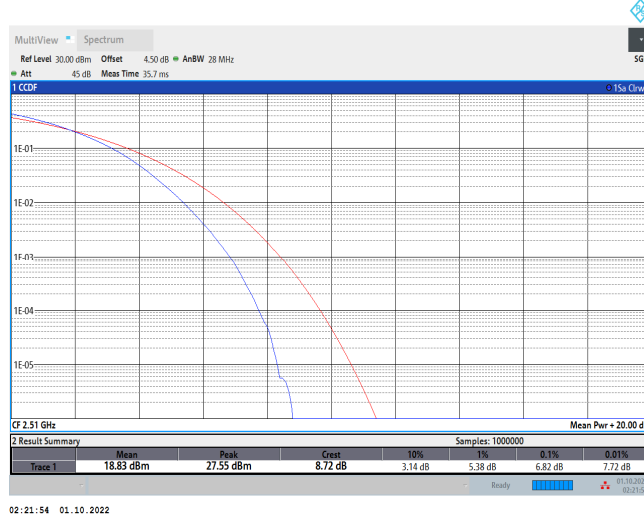
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Band7-20MHz-64QAM-21350-100RB#0



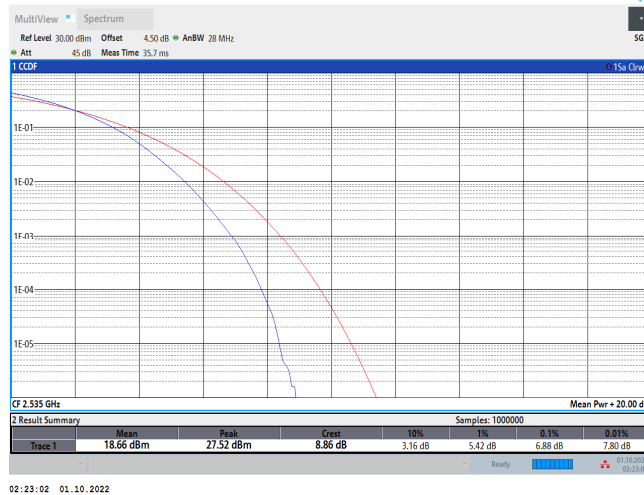
Band7-20MHz-256QAM-20850-100RB#0



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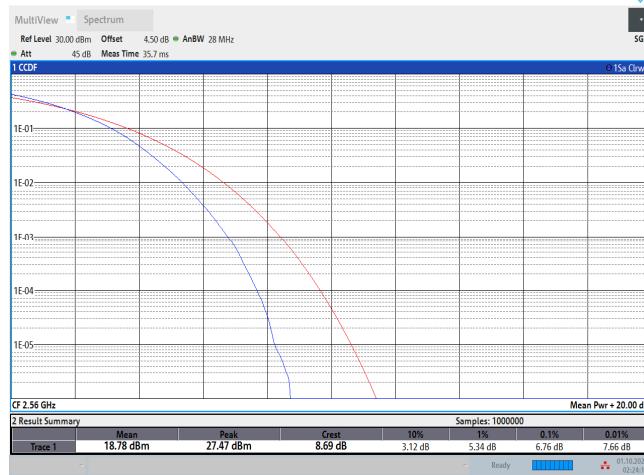
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Band7-20MHz-256QAM-21100-100RB#0



02:23:02 01.10.2022

Band7-20MHz-256QAM-21350-100RB#0



02:24:11 01.10.2022



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Modulation Characteristics

Test Result

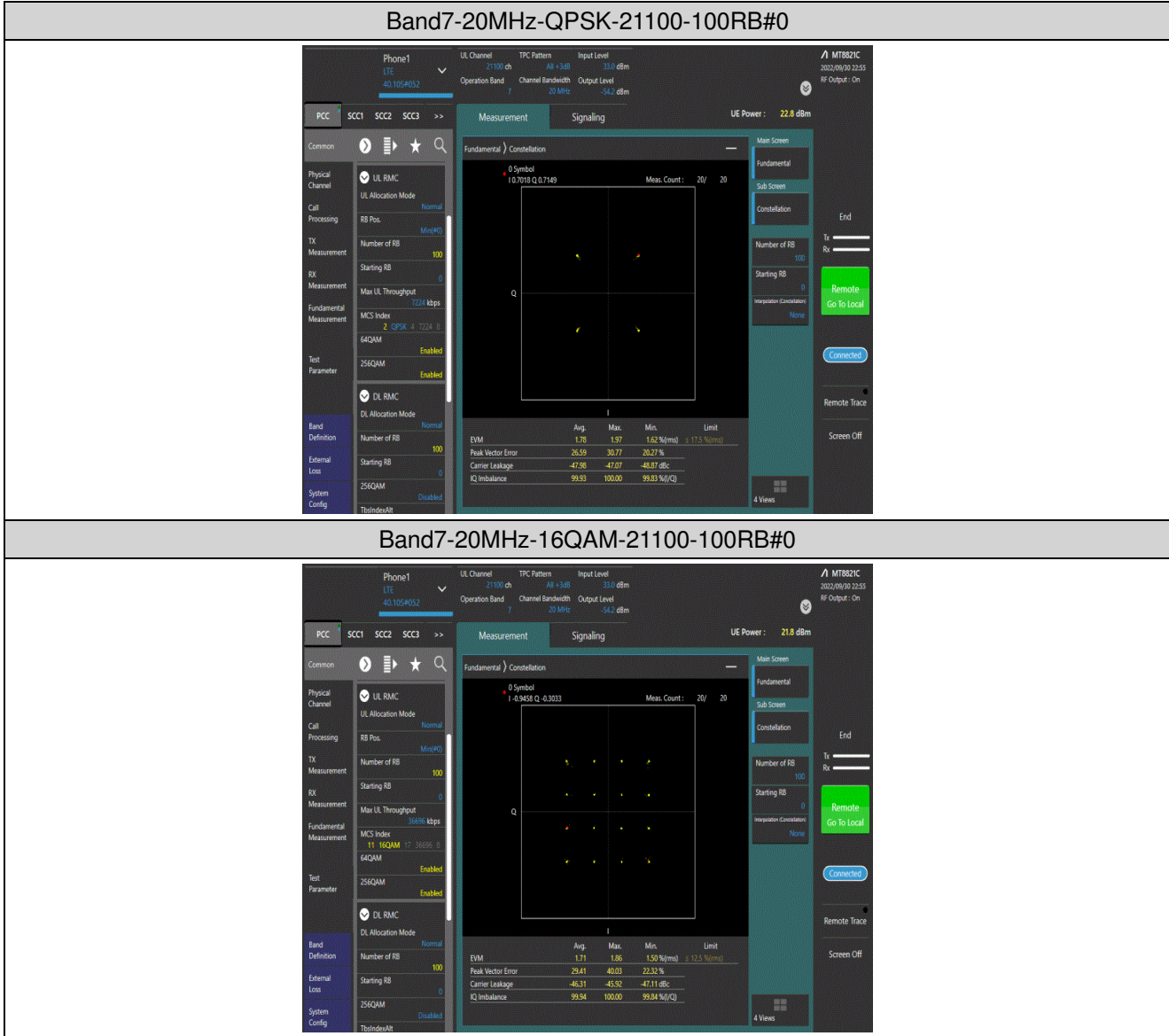
Band	Bandwidth	Modulation	Channel	RB Configuration	Result	Verdict
Band7	20MHz	QPSK	21100	100RB#0	PASS	PASS
Band7	20MHz	16QAM	21100	100RB#0	PASS	PASS
Band7	20MHz	64QAM	21100	100RB#0	PASS	PASS
Band7	20MHz	256QAM	21100	100RB#0	PASS	PASS



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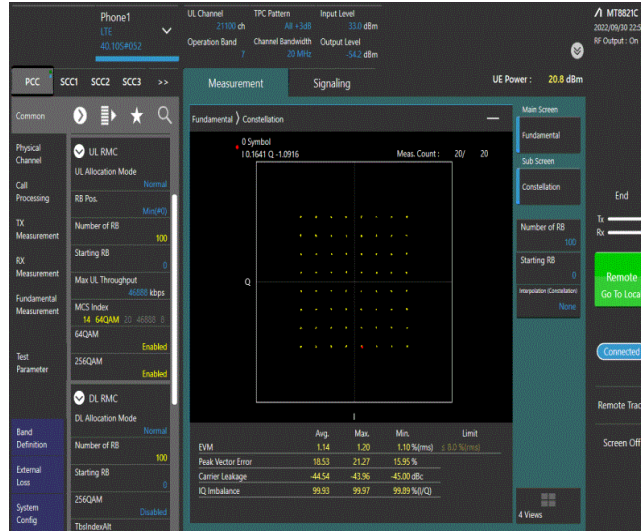
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Test Graphs

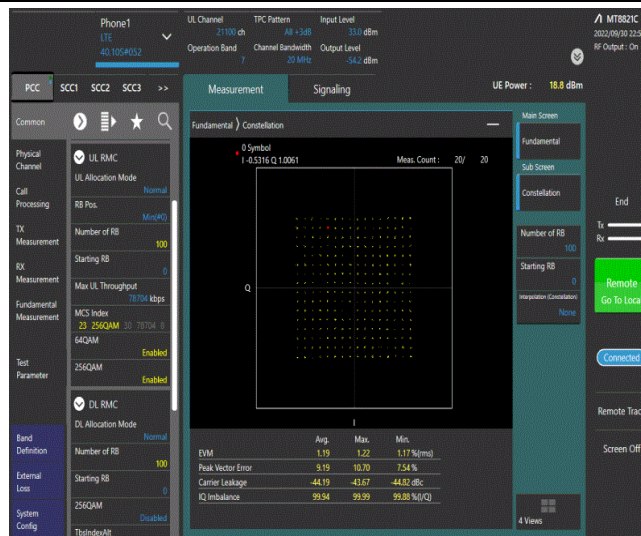


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Band7-20MHz-64QAM-21100-100RB#0



Band7-20MHz-256QAM-21100-100RB#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
Band7	5MHz	QPSK	20775	25RB#0	4.468	4.88	PASS
Band7	5MHz	QPSK	21100	25RB#0	4.47	4.89	PASS
Band7	5MHz	QPSK	21425	25RB#0	4.473	4.88	PASS
Band7	5MHz	16QAM	20775	25RB#0	4.471	4.89	PASS
Band7	5MHz	16QAM	21100	25RB#0	4.474	4.90	PASS
Band7	5MHz	16QAM	21425	25RB#0	4.471	4.91	PASS
Band7	5MHz	64QAM	20775	25RB#0	4.476	4.88	PASS
Band7	5MHz	64QAM	21100	25RB#0	4.477	4.89	PASS
Band7	5MHz	64QAM	21425	25RB#0	4.48	4.88	PASS
Band7	5MHz	256QAM	20775	25RB#0	4.473	4.88	PASS
Band7	5MHz	256QAM	21100	25RB#0	4.475	4.87	PASS
Band7	5MHz	256QAM	21425	25RB#0	4.471	4.87	PASS
Band7	10MHz	QPSK	20800	50RB#0	8.929	9.74	PASS
Band7	10MHz	QPSK	21100	50RB#0	8.936	9.64	PASS
Band7	10MHz	QPSK	21400	50RB#0	8.933	9.66	PASS
Band7	10MHz	16QAM	20800	50RB#0	8.937	9.74	PASS
Band7	10MHz	16QAM	21100	50RB#0	8.932	9.76	PASS
Band7	10MHz	16QAM	21400	50RB#0	8.927	9.76	PASS
Band7	10MHz	64QAM	20800	50RB#0	8.941	9.68	PASS
Band7	10MHz	64QAM	21100	50RB#0	8.946	9.72	PASS
Band7	10MHz	64QAM	21400	50RB#0	8.95	9.72	PASS
Band7	10MHz	256QAM	20800	50RB#0	8.932	9.68	PASS
Band7	10MHz	256QAM	21100	50RB#0	8.943	9.66	PASS
Band7	10MHz	256QAM	21400	50RB#0	8.927	9.68	PASS
Band7	15MHz	QPSK	20825	75RB#0	13.449	14.64	PASS
Band7	15MHz	QPSK	21100	75RB#0	13.449	14.61	PASS
Band7	15MHz	QPSK	21375	75RB#0	13.453	14.70	PASS
Band7	15MHz	16QAM	20825	75RB#0	13.455	14.64	PASS
Band7	15MHz	16QAM	21100	75RB#0	13.459	14.64	PASS



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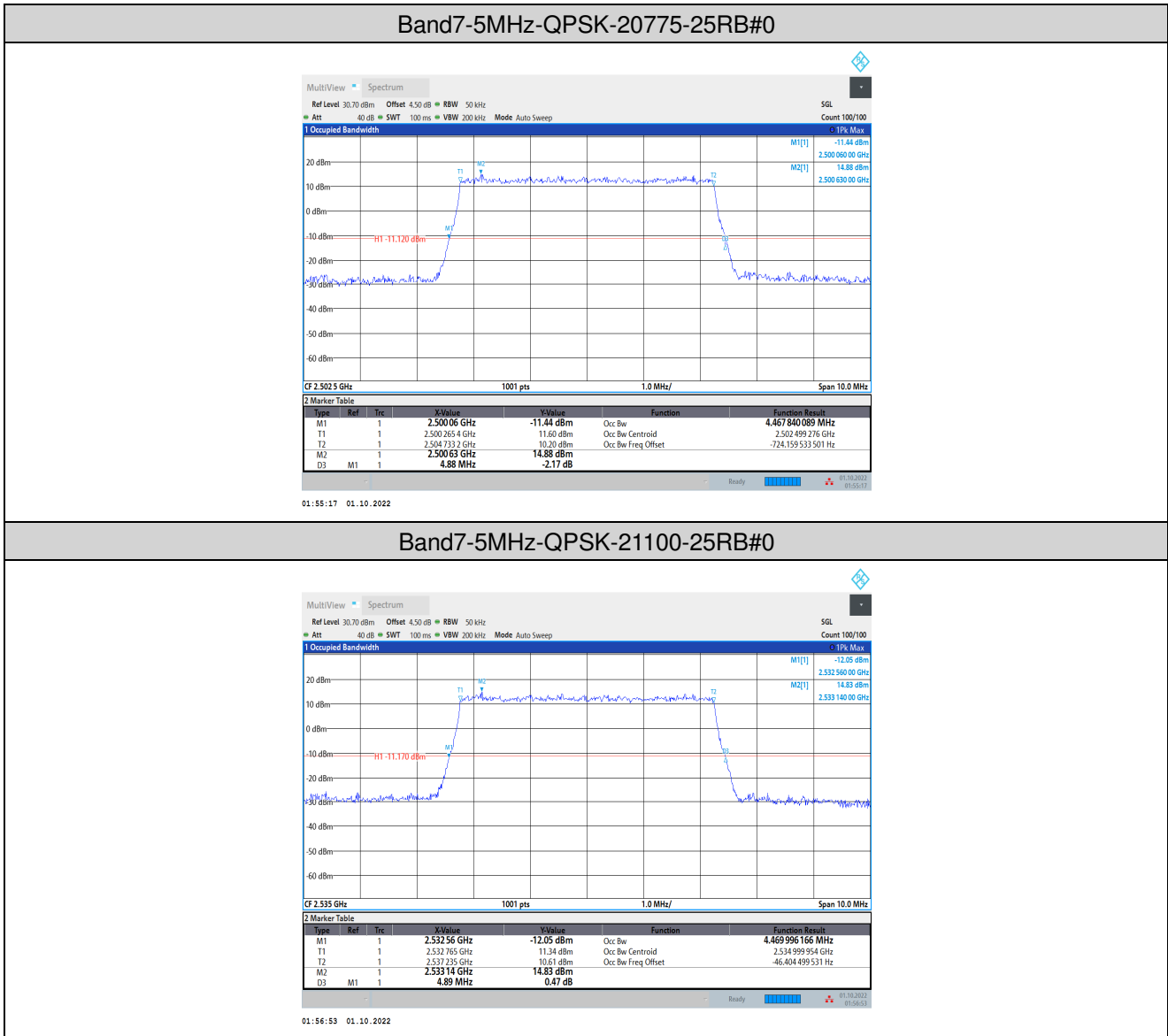
Band7	15MHz	16QAM	21375	75RB#0	13.466	14.67	PASS
Band7	15MHz	64QAM	20825	75RB#0	13.456	14.73	PASS
Band7	15MHz	64QAM	21100	75RB#0	13.458	14.79	PASS
Band7	15MHz	64QAM	21375	75RB#0	13.445	14.76	PASS
Band7	15MHz	256QAM	20825	75RB#0	13.445	14.70	PASS
Band7	15MHz	256QAM	21100	75RB#0	13.455	14.73	PASS
Band7	15MHz	256QAM	21375	75RB#0	13.427	14.58	PASS
Band7	20MHz	QPSK	20850	100RB#0	17.89	19.36	PASS
Band7	20MHz	QPSK	21100	100RB#0	17.906	19.40	PASS
Band7	20MHz	QPSK	21350	100RB#0	17.89	19.52	PASS
Band7	20MHz	16QAM	20850	100RB#0	17.875	19.36	PASS
Band7	20MHz	16QAM	21100	100RB#0	17.881	19.36	PASS
Band7	20MHz	16QAM	21350	100RB#0	17.871	19.36	PASS
Band7	20MHz	64QAM	20850	100RB#0	17.876	19.36	PASS
Band7	20MHz	64QAM	21100	100RB#0	17.894	19.36	PASS
Band7	20MHz	64QAM	21350	100RB#0	17.874	19.40	PASS
Band7	20MHz	256QAM	20850	100RB#0	17.9	19.24	PASS
Band7	20MHz	256QAM	21100	100RB#0	17.883	19.28	PASS
Band7	20MHz	256QAM	21350	100RB#0	17.889	19.24	PASS



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Test Graphs

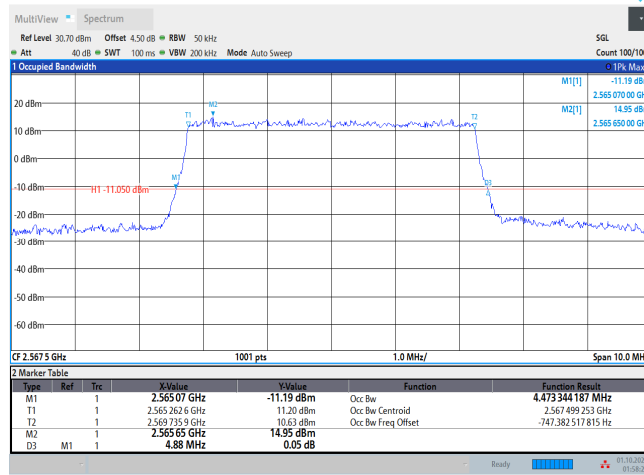


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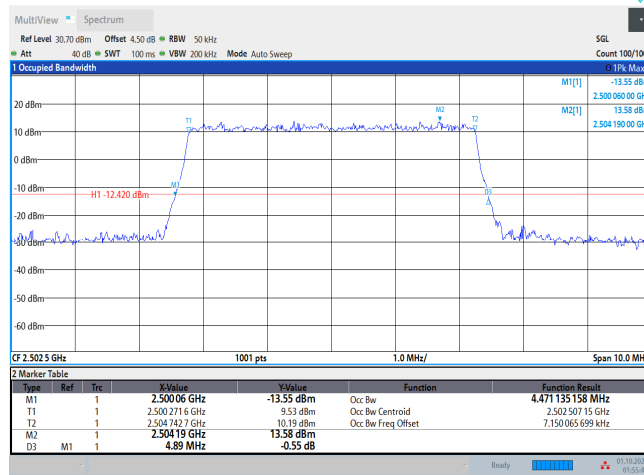
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Band7-5MHz-QPSK-21425-25RB#0



01:58:29 01.10.2022

Band7-5MHz-16QAM-20775-25RB#0



01:55:41 01.10.2022



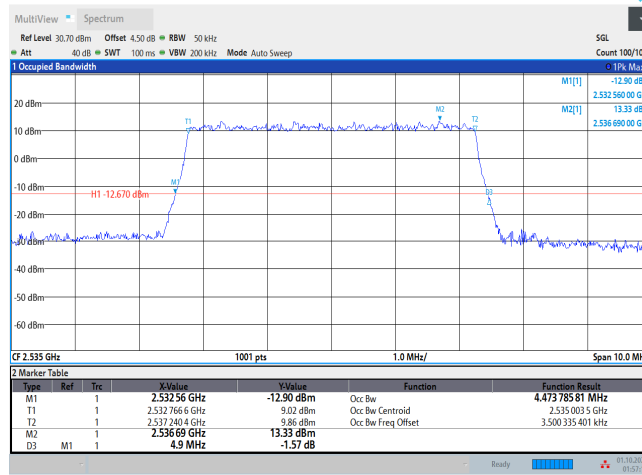
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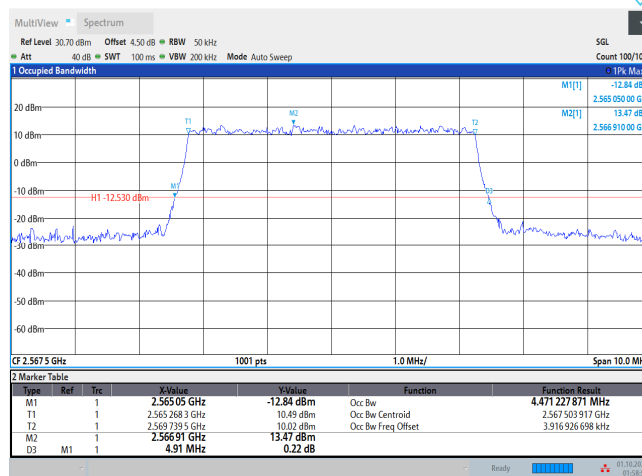
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Band7-5MHz-16QAM-21100-25RB#0



01:57:17 01.10.2022

Band7-5MHz-16QAM-21425-25RB#0



01:58:53 01.10.2022



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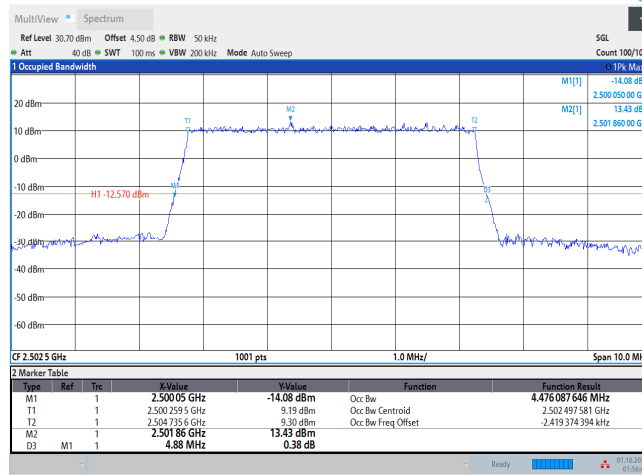
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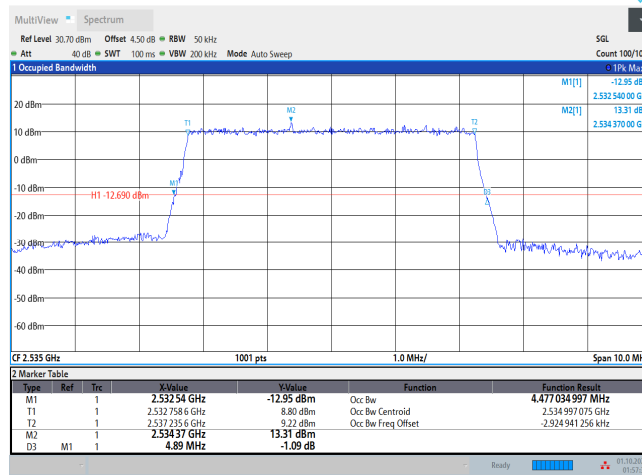
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Band7-5MHz-64QAM-20775-25RB#0



01:56:04 01.10.2022

Band7-5MHz-64QAM-21100-25RB#0



01:57:40 01.10.2022



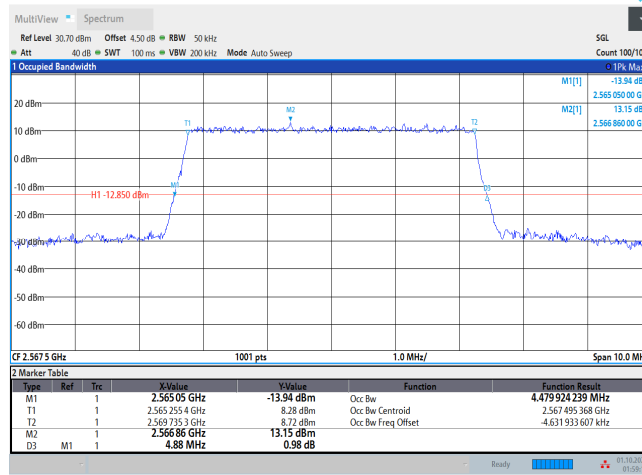
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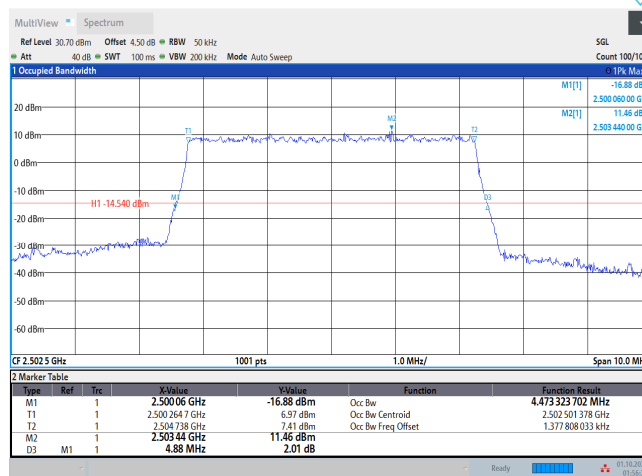
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Band7-5MHz-64QAM-21425-25RB#0



01:59:16 01.10.2022

Band7-5MHz-256QAM-20775-25RB#0



01:56:28 01.10.2022



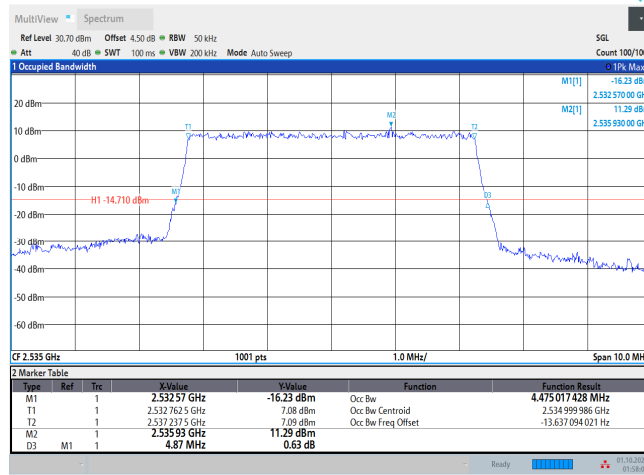
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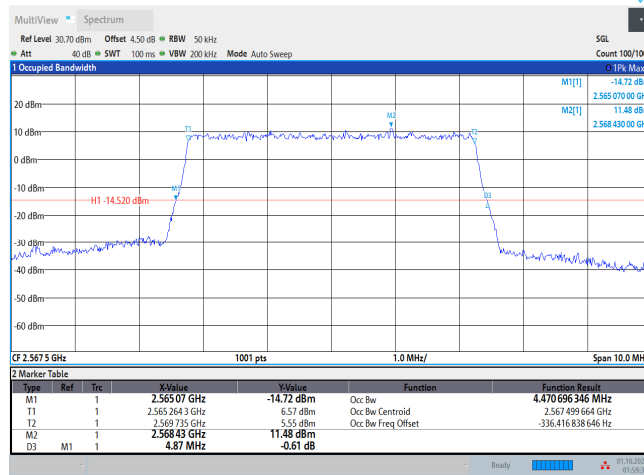
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01:58:04 01.10.2022

Band7-5MHz-256QAM-21425-25RB#0



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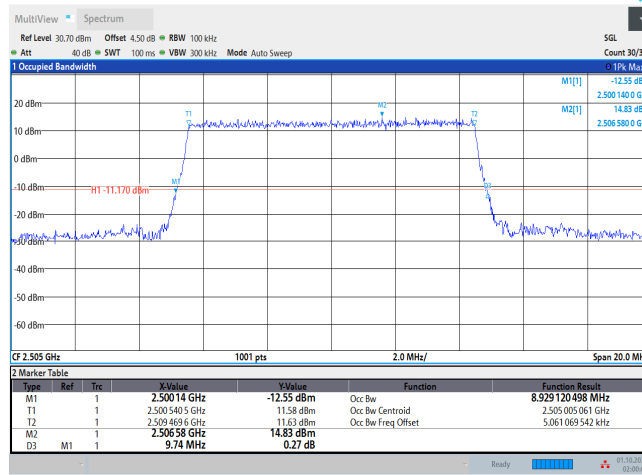
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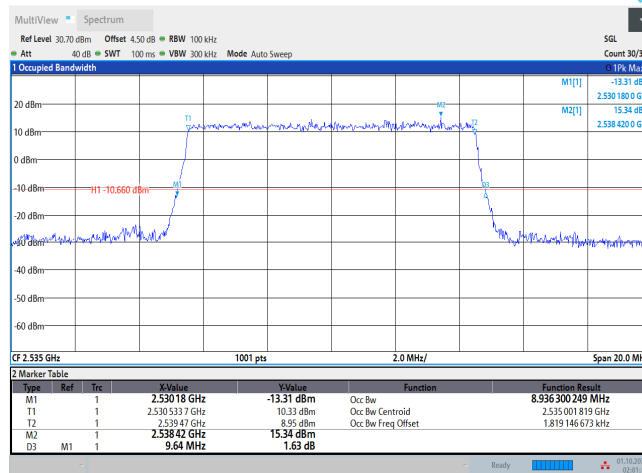
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Band7-10MHz-QPSK-20800-50RB#0



02:00:09 01.10.2022

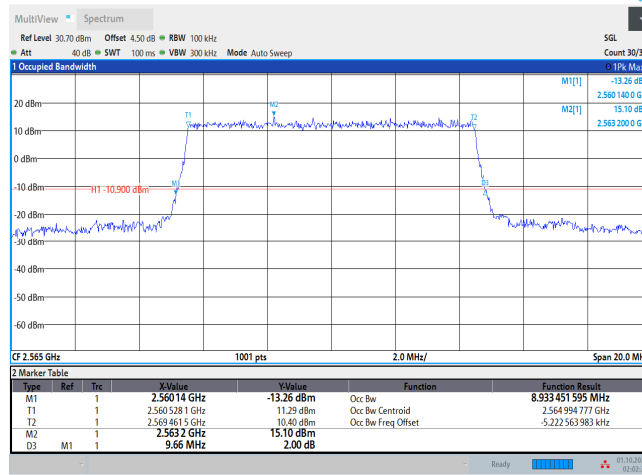
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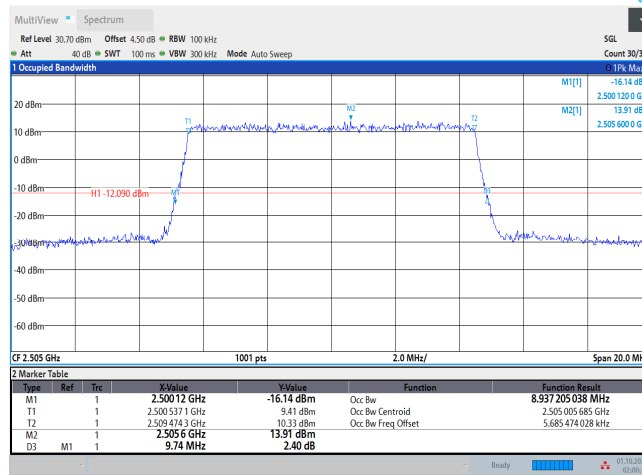


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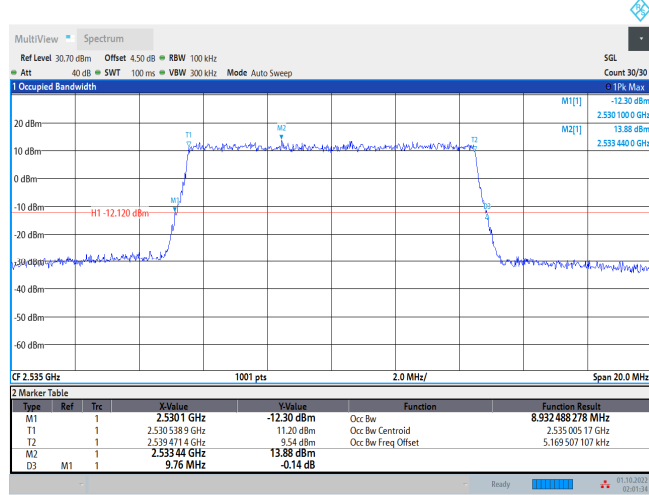


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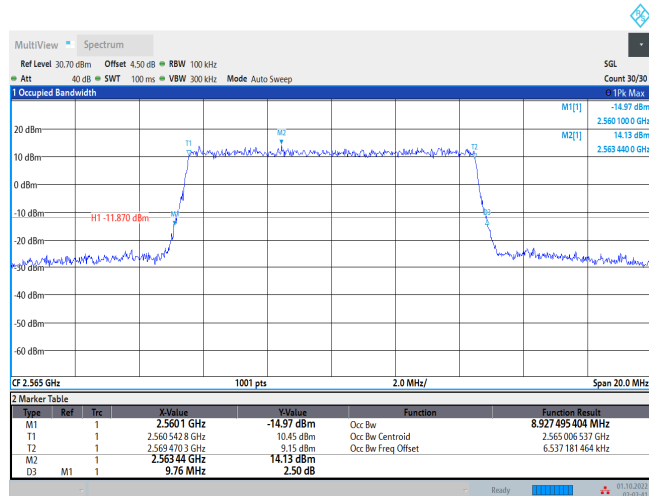
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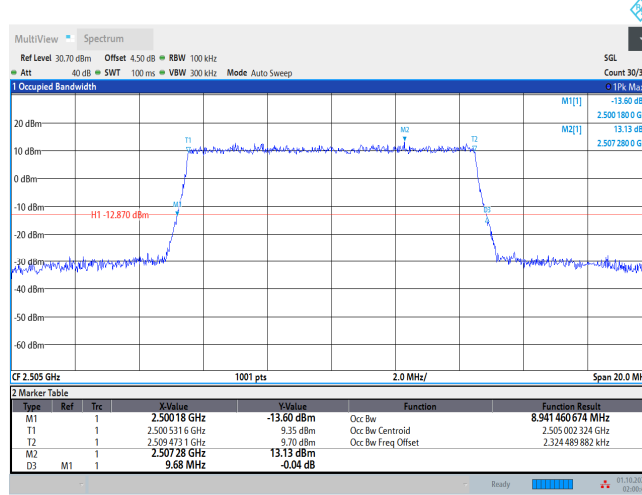
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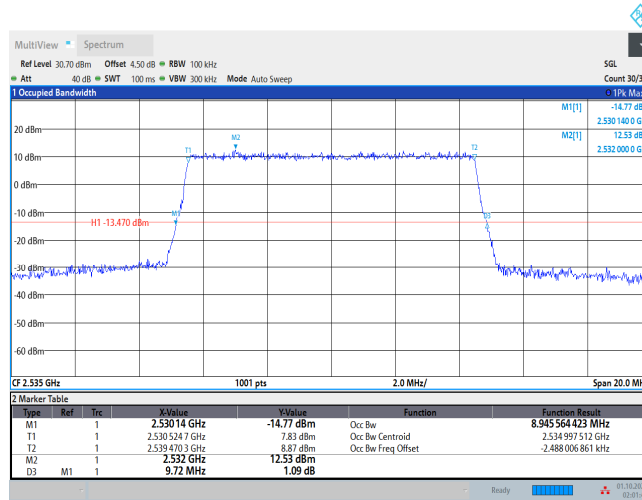
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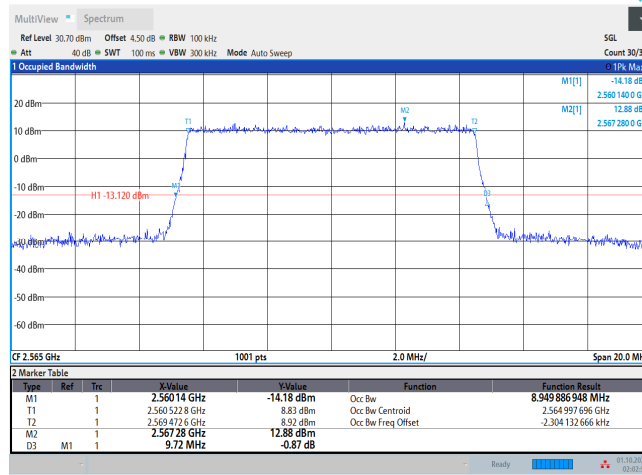
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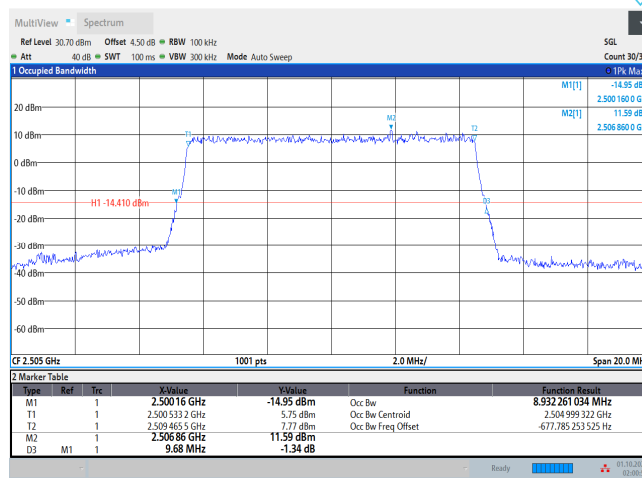
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Band7-10MHz-256QAM-20800-50RB#0



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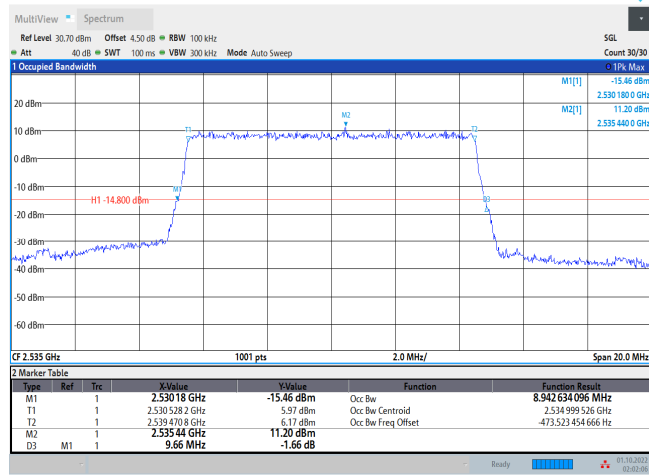
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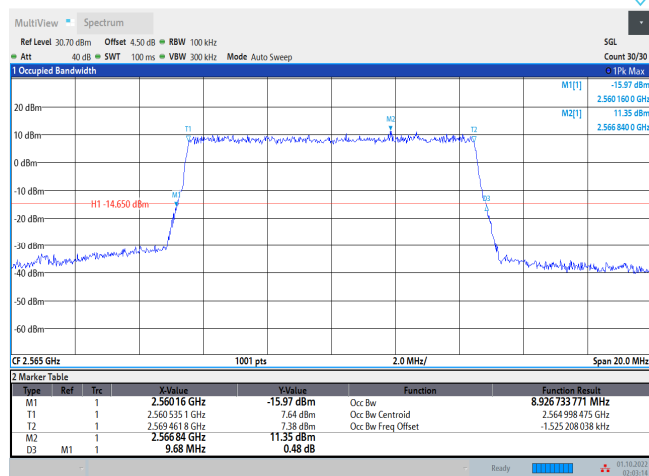
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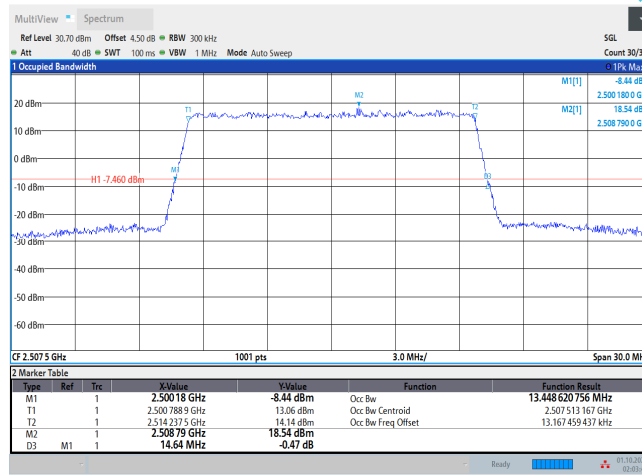


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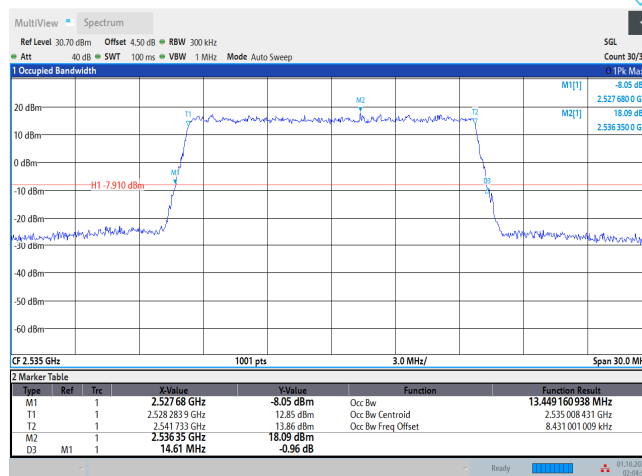
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Band7-15MHz-QPSK-20825-75RB#0



02:03:43 01.10.2022

Band7-15MHz-QPSK-21100-75RB#0



02:04:51 01.10.2022



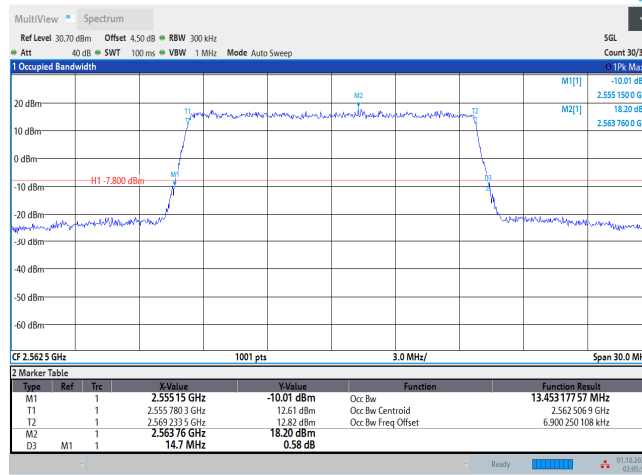
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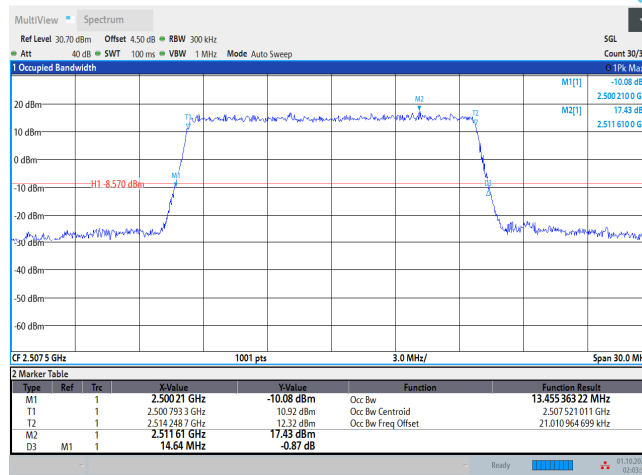
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Band7-15MHz-QPSK-21375-75RB#0



02:05:58 01.10.2022

Band7-15MHz-16QAM-20825-75RB#0



02:03:59 01.10.2022

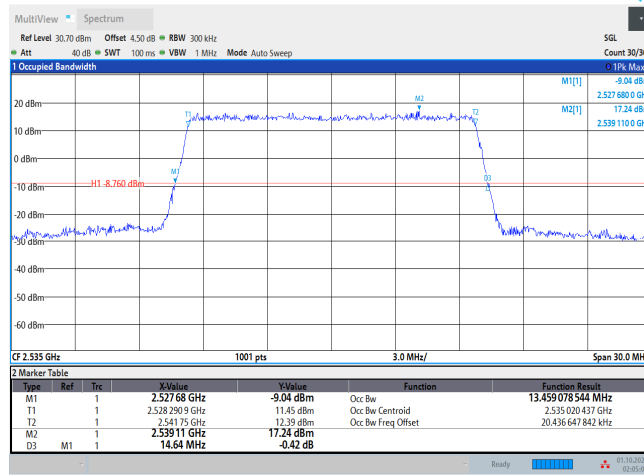


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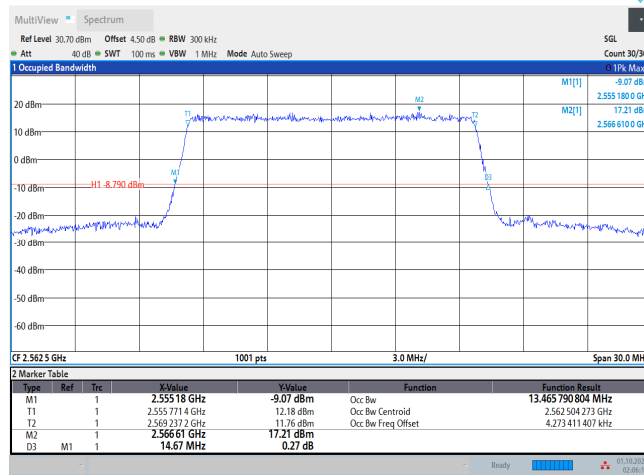
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Band7-15MHz-16QAM-21100-75RB#0



02:05:07 01.10.2022

Band7-15MHz-16QAM-21375-75RB#0



02:06:14 01.10.2022



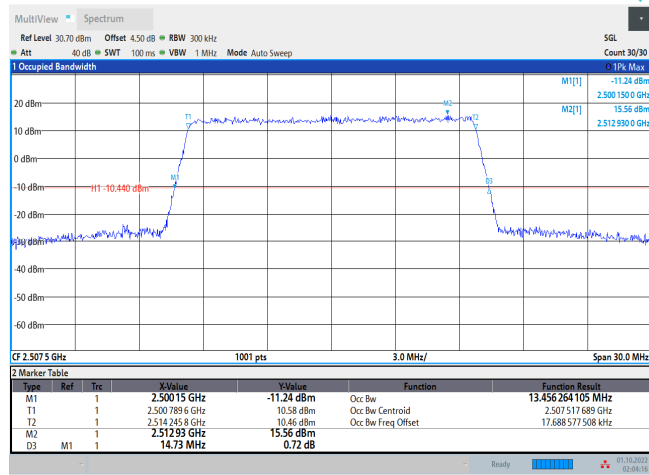
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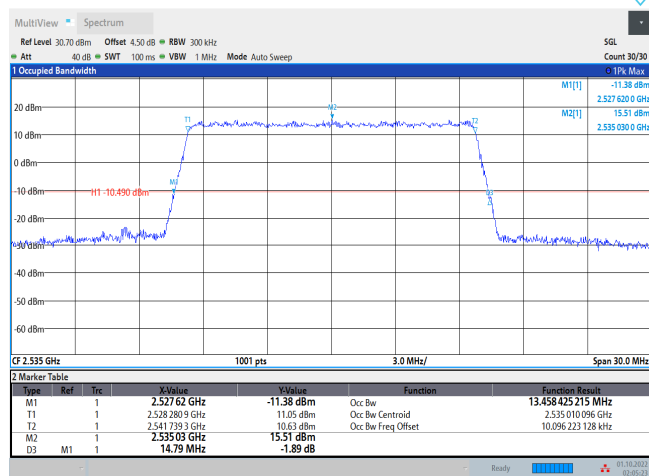
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Band7-15MHz-64QAM-20825-75RB#0



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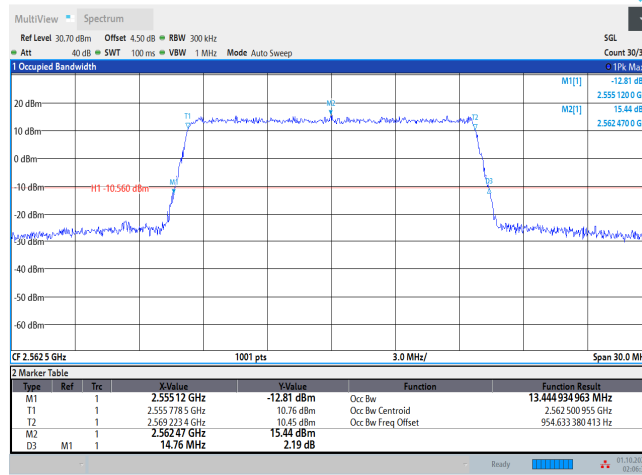
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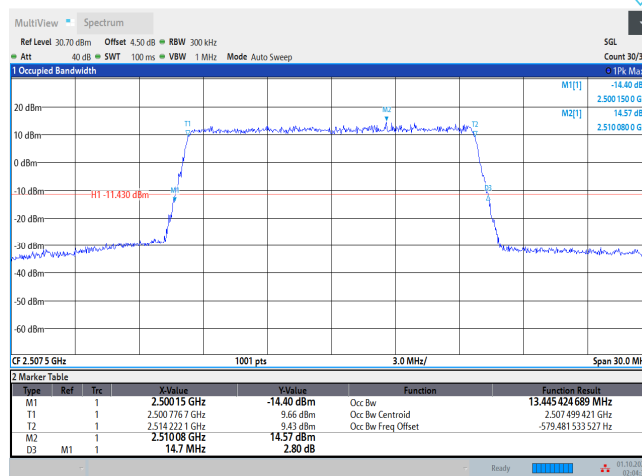
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Band7-15MHz-256QAM-20825-75RB#0

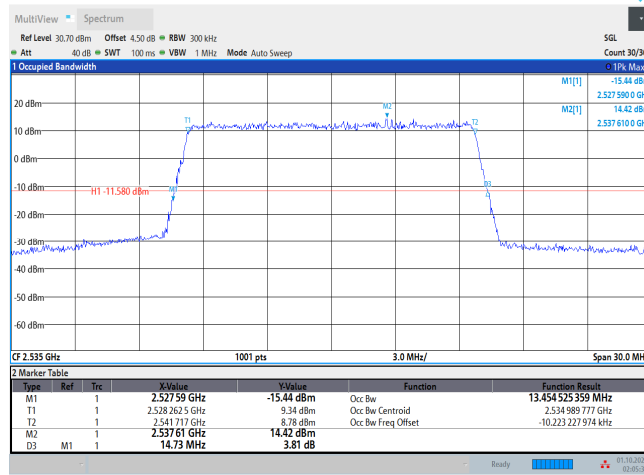


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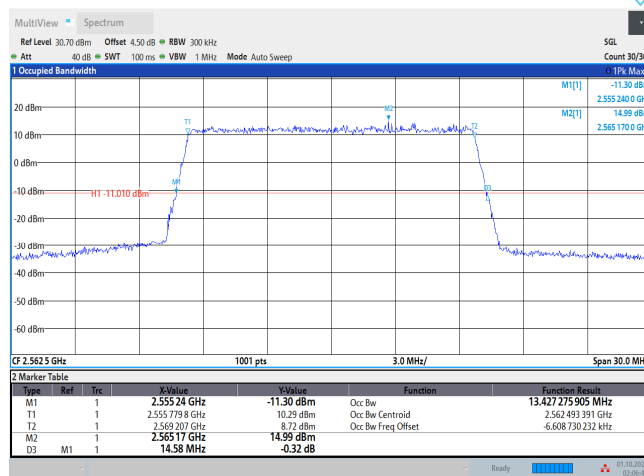
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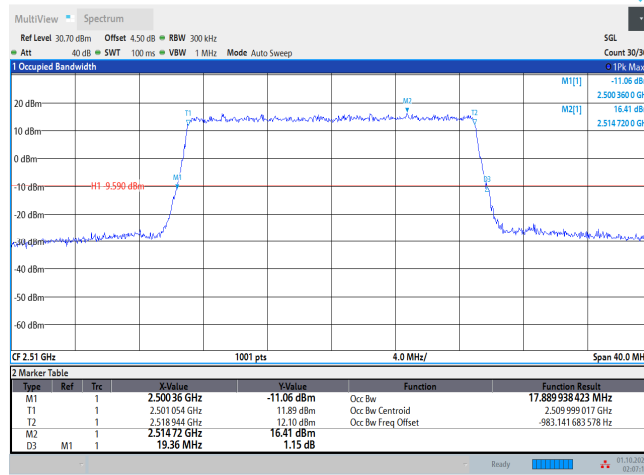
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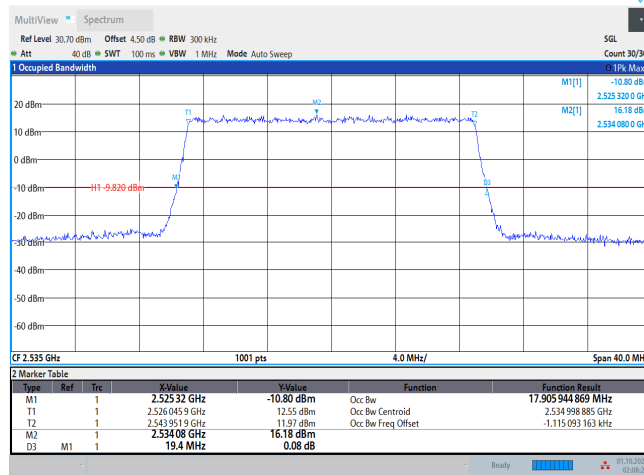
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Band7-20MHz-QPSK-20850-100RB#0



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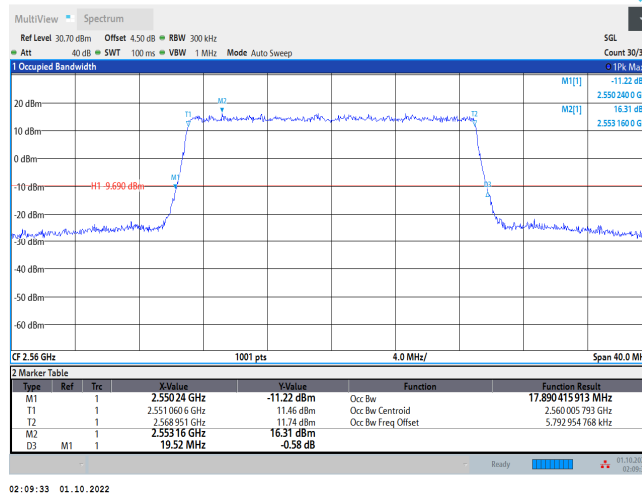
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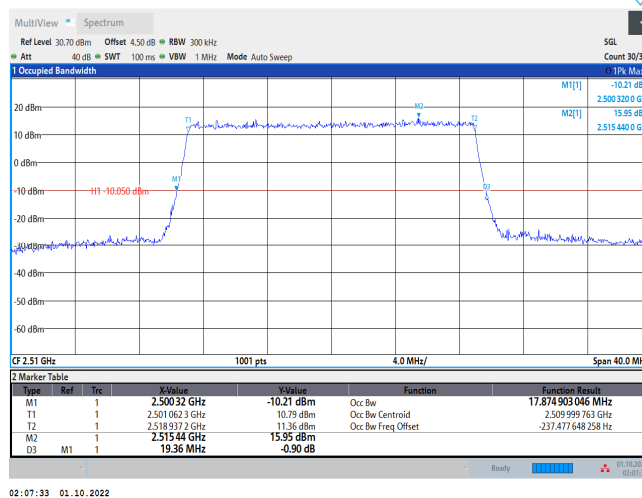
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Band7-20MHz-16QAM-20850-100RB#0



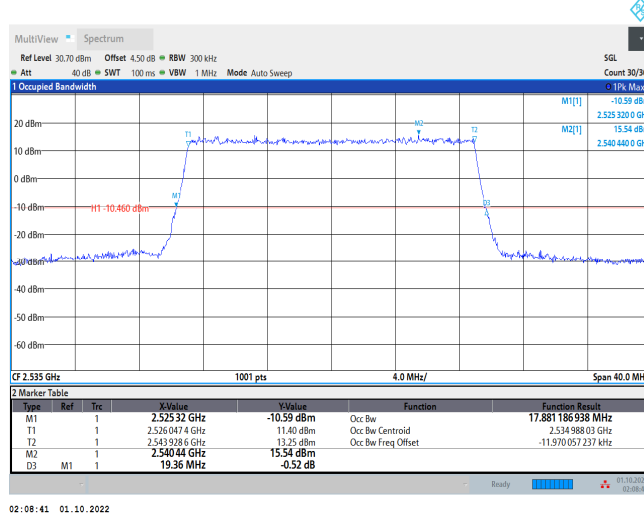
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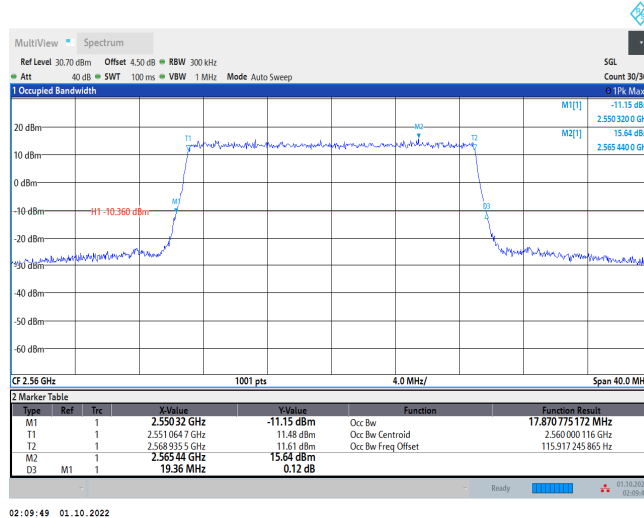
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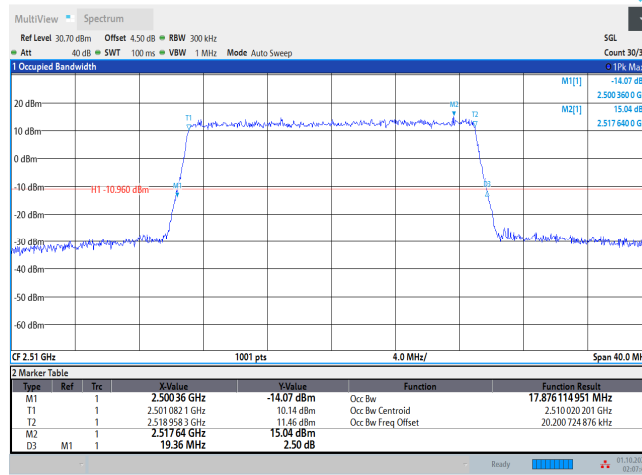


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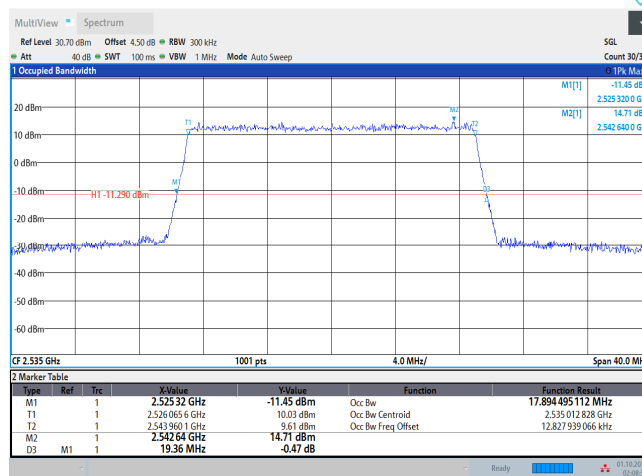
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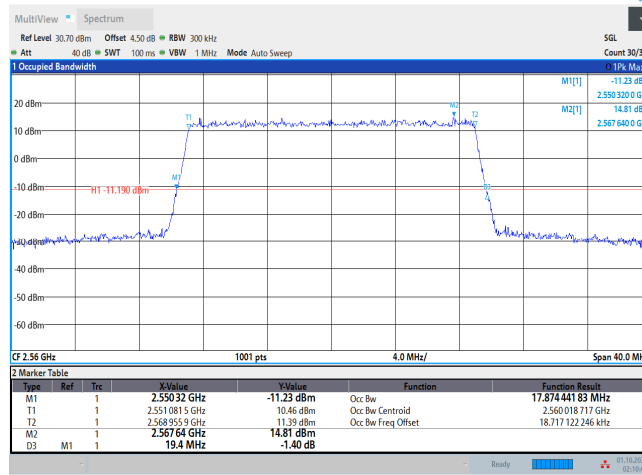
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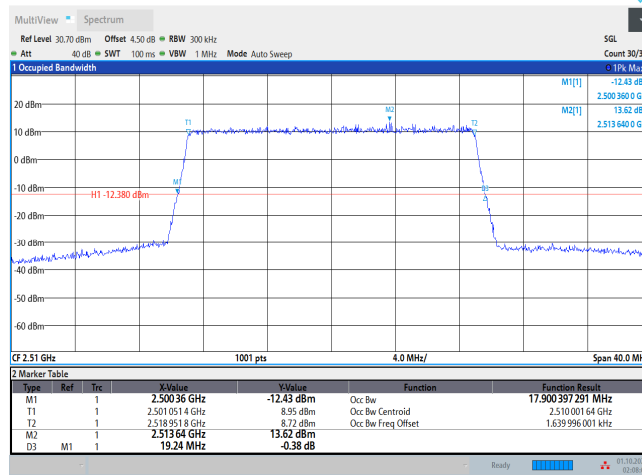


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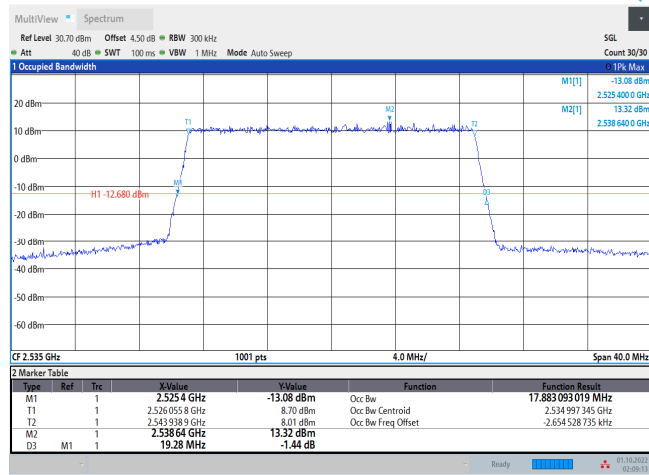


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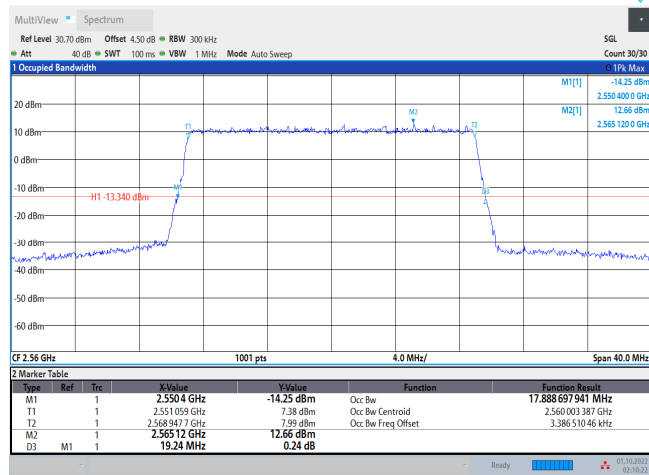
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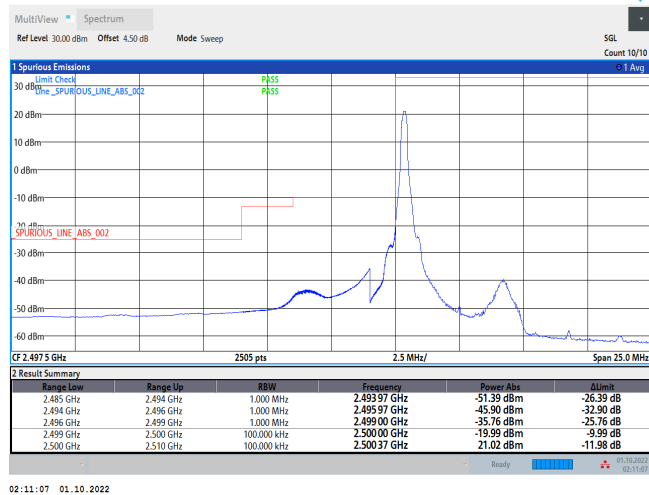
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Band Edge

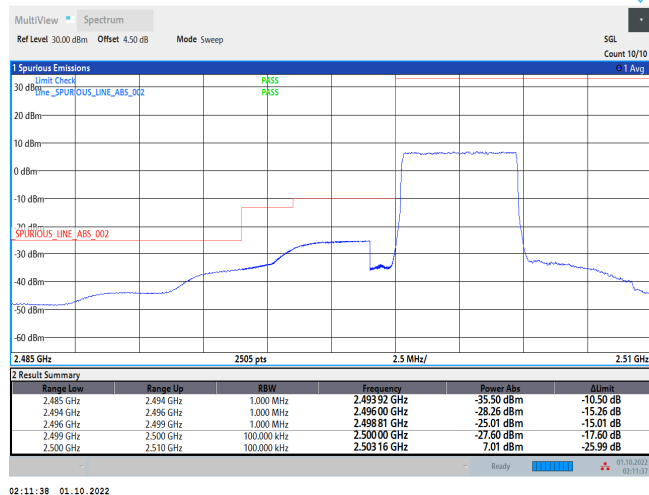
Test Graphs

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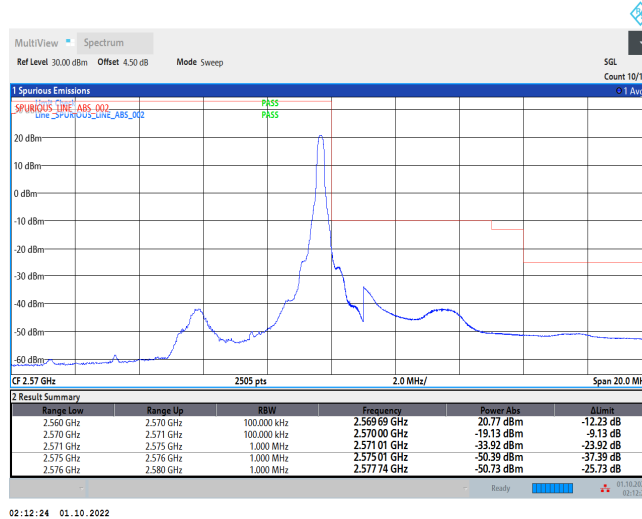
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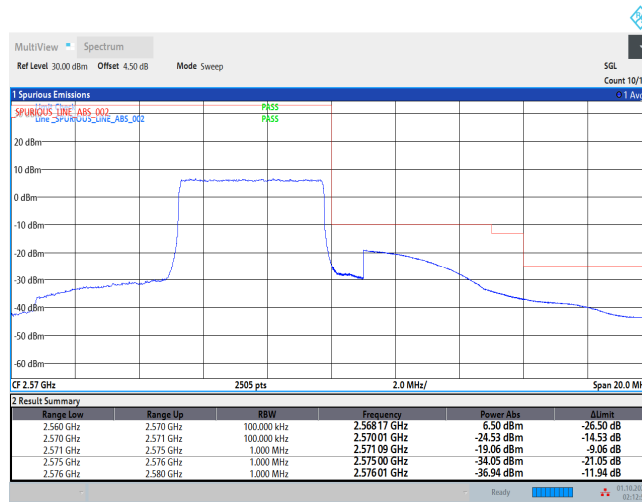
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Band7-5MHz-QPSK-21425-1RB#24



02:12:24 01.10.2022

Band7-5MHz-QPSK-21425-25RB#0



02:12:54 01.10.2022

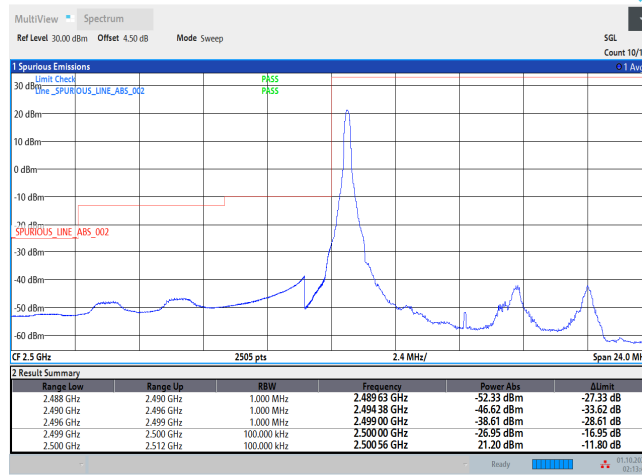


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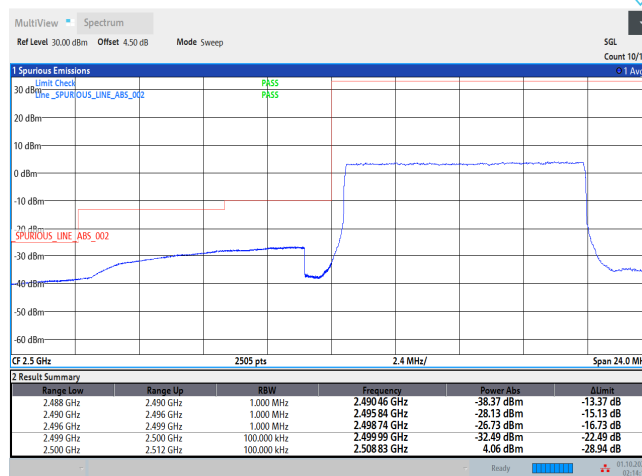
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Band7-10MHz-QPSK-20800-1RB#0



02:13:41 01.10.2022

Band7-10MHz-QPSK-20800-50RB#0



02:14:11 01.10.2022



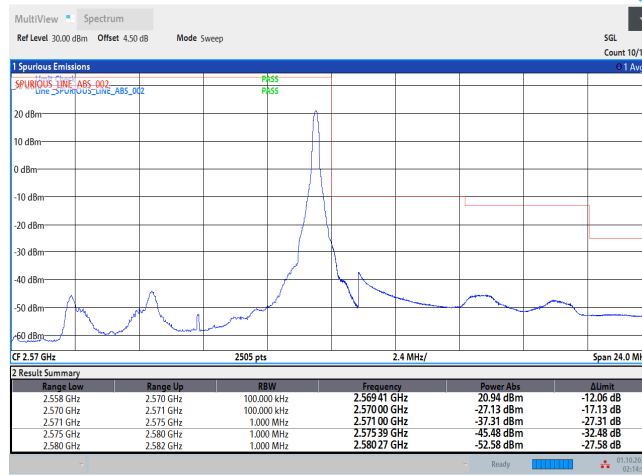
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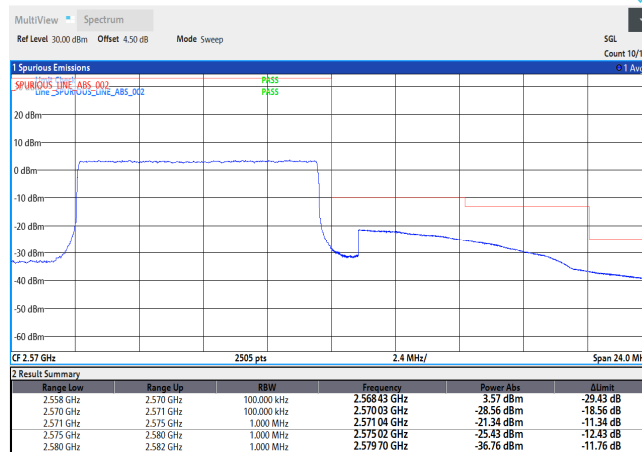
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Band7-10MHz-QPSK-21400-1RB#49



02:14:57 01.10.2022

Band7-10MHz-QPSK-21400-50RB#0

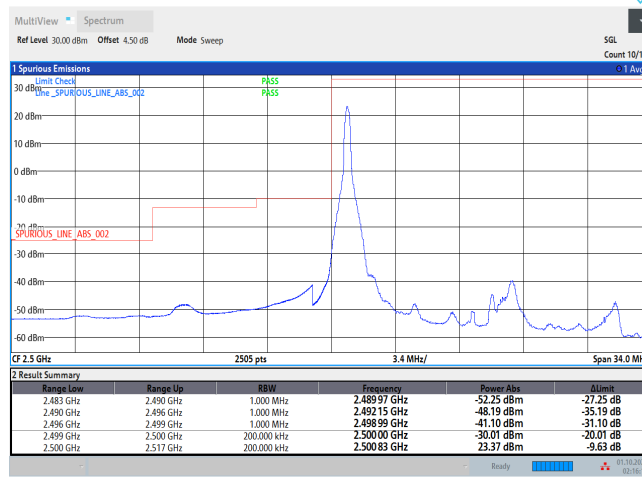


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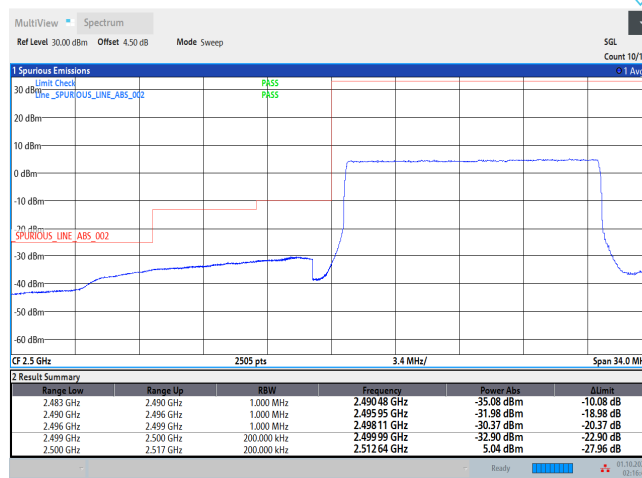
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Band7-15MHz-QPSK-20825-1RB#0



02:16:14 01.10.2022

Band7-15MHz-QPSK-20825-75RB#0



02:16:43 01.10.2022



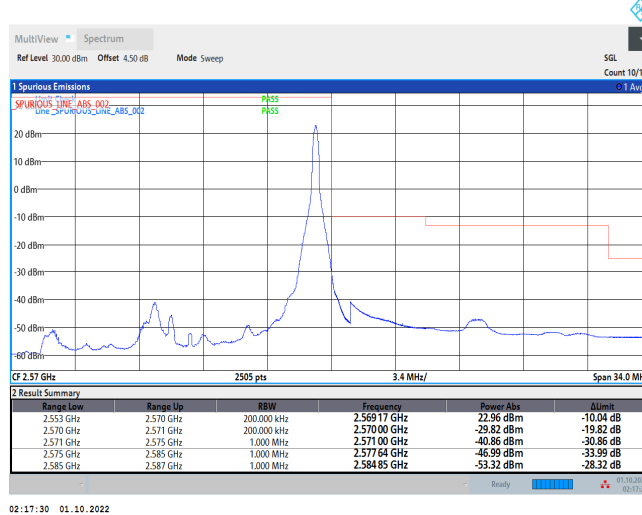
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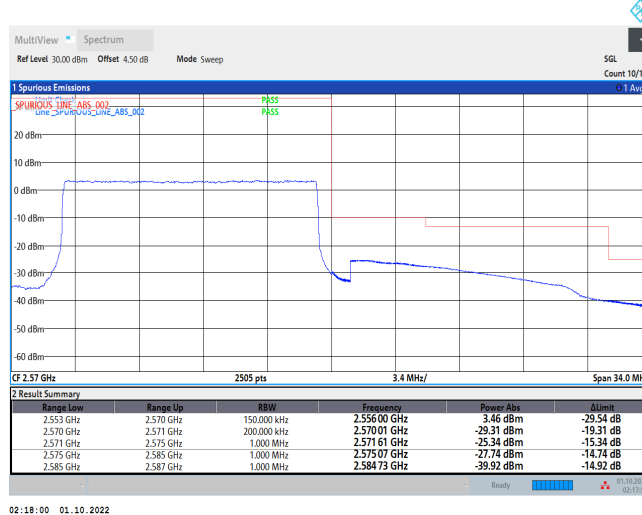
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Band7-15MHz-QPSK-21375-1RB#74

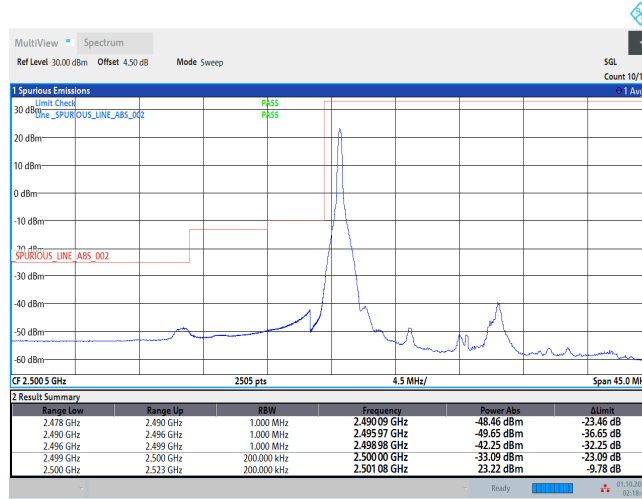


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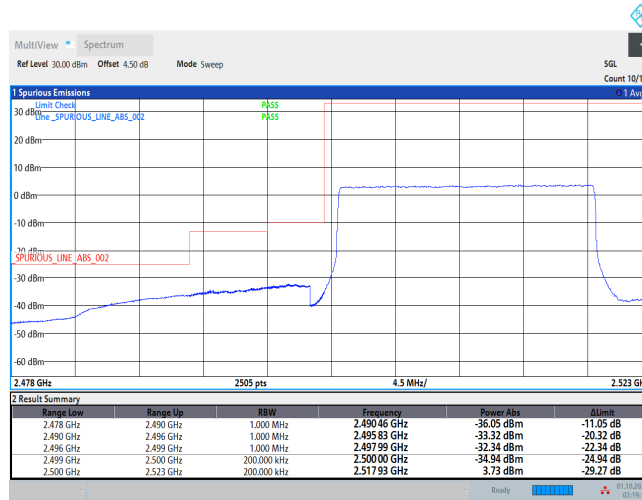
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Band7-20MHz-QPSK-20850-1RB#0



02:18:46 01.10.2022

Band7-20MHz-QPSK-20850-100RB#0

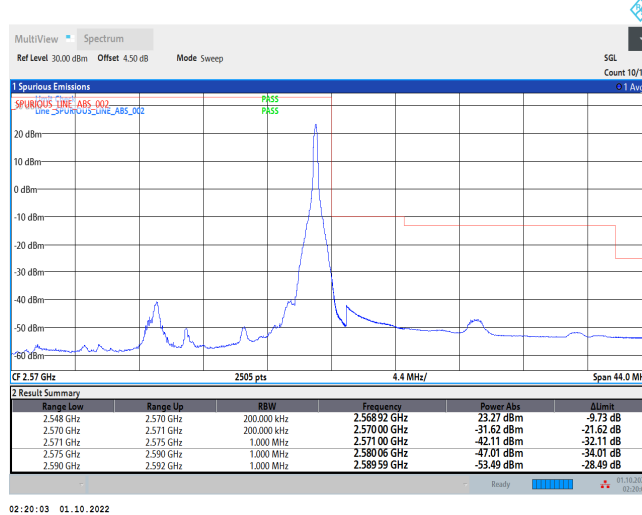


02:19:16 01.10.2022



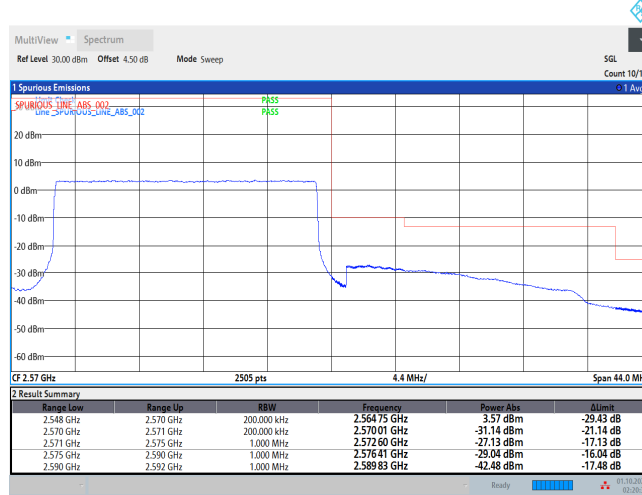
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Band7-20MHz-QPSK-21350-1RB#99



02:20:03 01.10.2022

Band7-20MHz-QPSK-21350-100RB#0



02:20:33 01.10.2022



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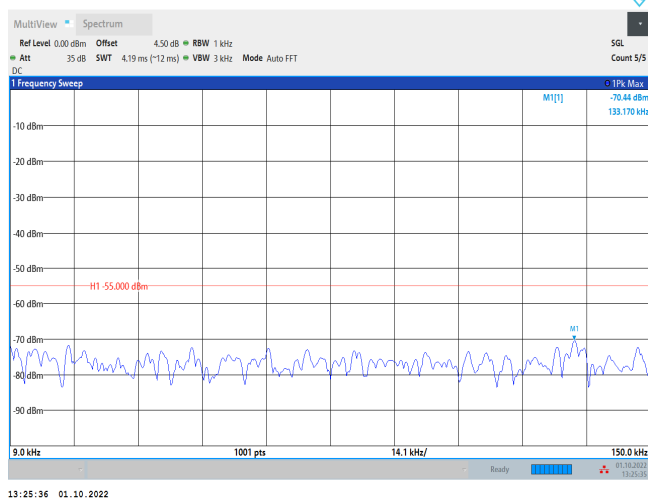
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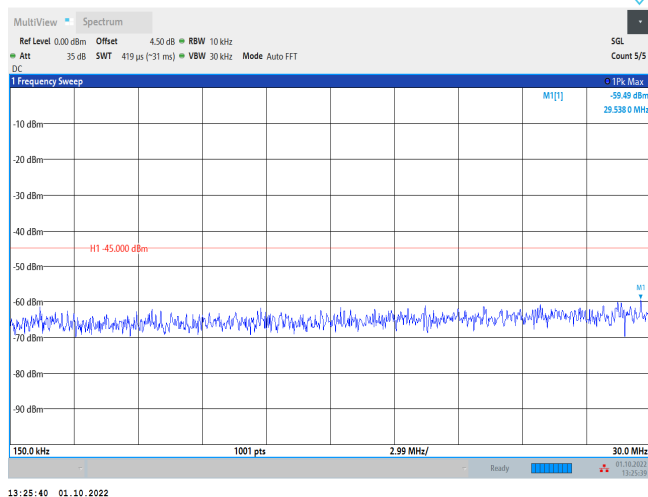
Conducted Spurious Emission

Test Graphs

Band7-20MHz-QPSK-20850-1RB#0-Range1:0.009~0.15MHz



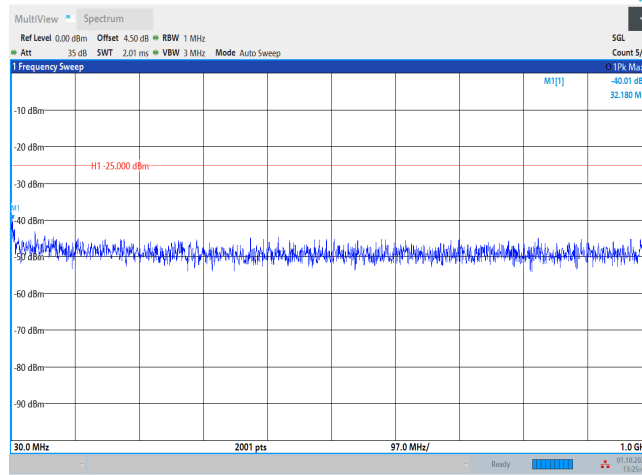
Band7-20MHz-QPSK-20850-1RB#0-Range2:0.15~30MHz



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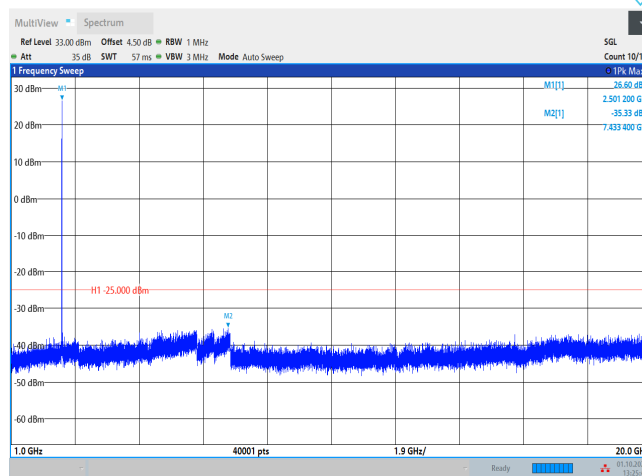
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Band7-20MHz-QPSK-20850-1RB#0-Range3:30~1000MHz



13:25:44 01.10.2022

Band7-20MHz-QPSK-20850-1RB#0-Range4:1000~20000MHz



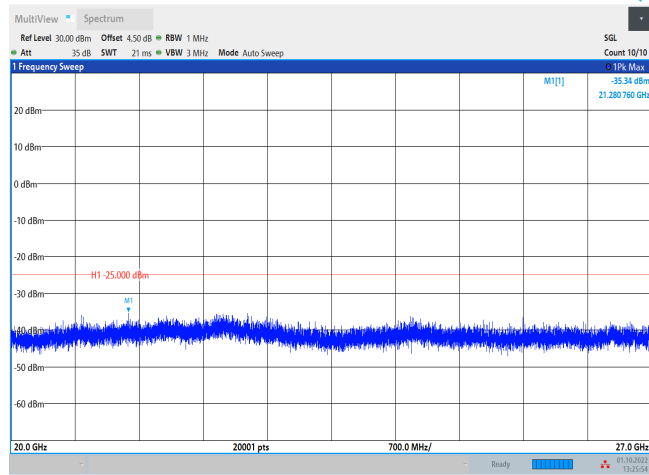
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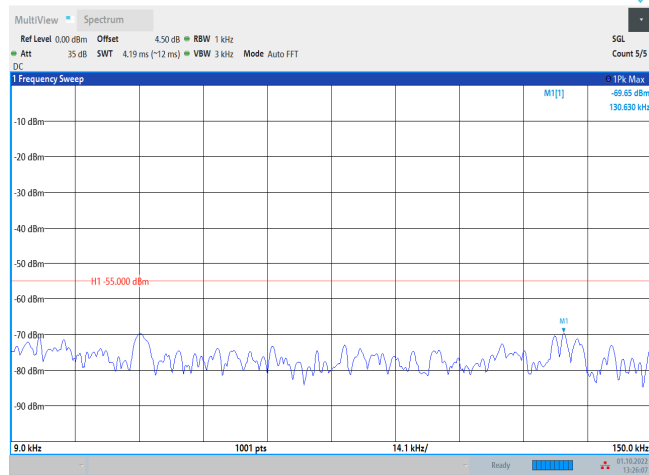
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Band7-20MHz-QPSK-20850-1RB#0-Range5:20000~27000MHz



13:25:54 01.10.2022

Band7-20MHz-QPSK-21100-1RB#0-Range1:0.009~0.15MHz



13:26:08 01.10.2022

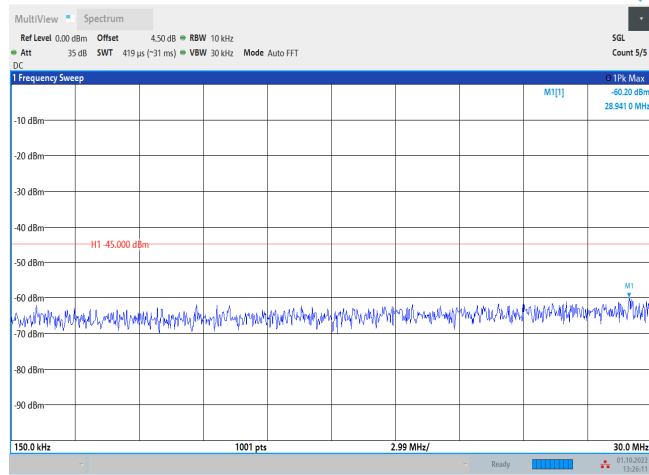


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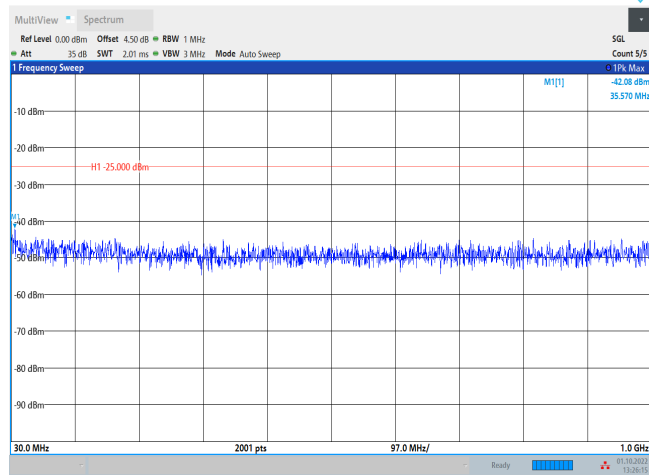
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Band7-20MHz-QPSK-21100-1RB#0-Range2:0.15~30MHz



13:26:12 01.10.2022

Band7-20MHz-QPSK-21100-1RB#0-Range3:30~1000MHz

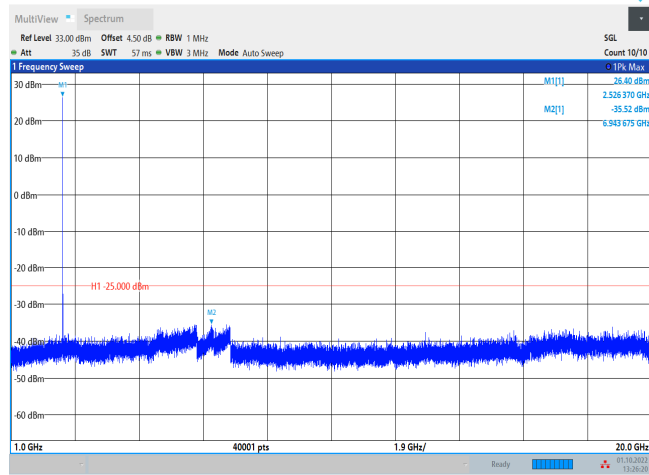


13:26:16 01.10.2022



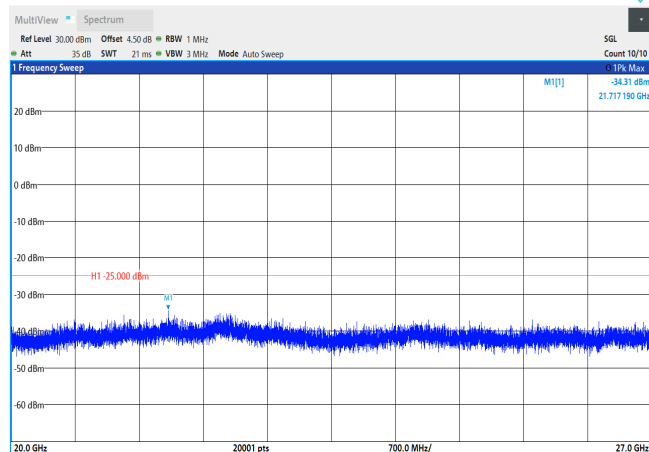
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Band7-20MHz-QPSK-21100-1RB#0-Range4:1000~20000MHz



13:26:21 01.10.2022

Band7-20MHz-QPSK-21100-1RB#0-Range5:20000~27000MHz



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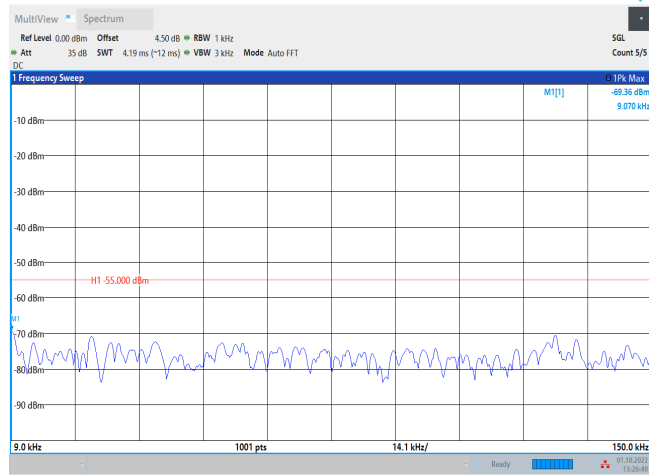
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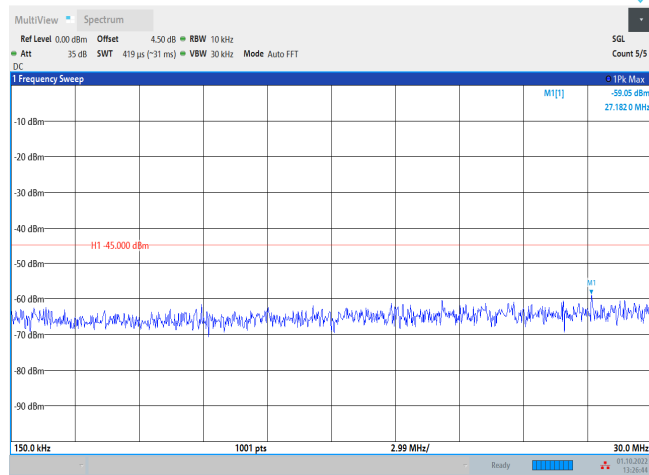
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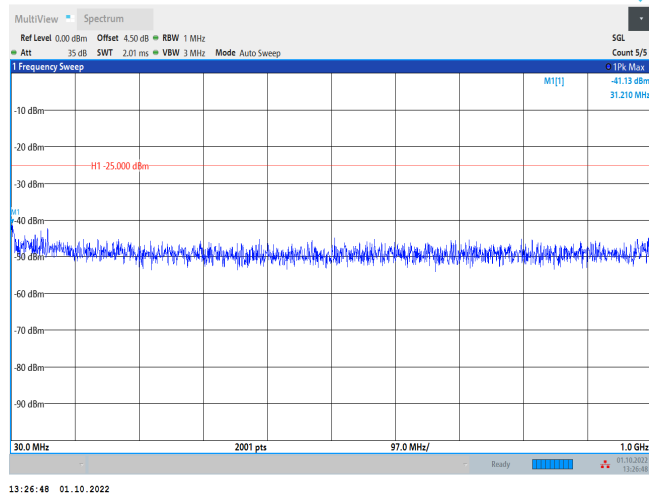
Band7-20MHz-QPSK-21350-1RB#0-Range1:0.009~0.15MHz



Band7-20MHz-QPSK-21350-1RB#0-Range2:0.15~30MHz

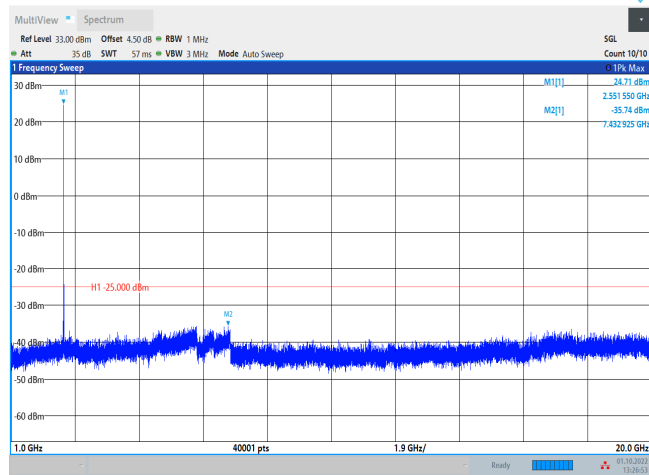


Band7-20MHz-QPSK-21350-1RB#0-Range3:30~1000MHz



13:26:48 01.10.2022

Band7-20MHz-QPSK-21350-1RB#0-Range4:1000~20000MHz



13:26:53 01.10.2022

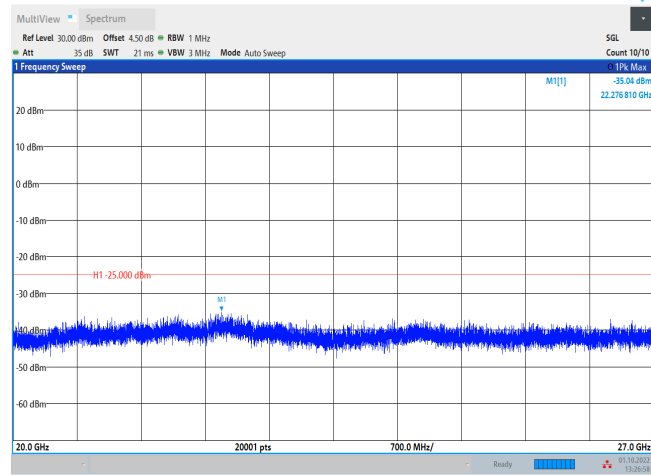


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Band7-20MHz-QPSK-21350-1RB#0-Range5:20000~27000MHz



SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.
 Wireless Laboratory

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Field Strength of Spurious Radiation

Test Band = LTE Band 7 ANT0_ TM1

Test Channel = Low Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5002.18	48.82	-44.92	32.60	-58.76	-25.00	33.76	163	186	Horizontal
2	7503.27	47.90	-41.59	36.51	-52.44	-25.00	27.44	215	342	Horizontal
3	10004.36	44.19	-37.13	38.51	-49.70	-25.00	24.70	114	272	Horizontal
4	12505.45	41.33	-35.23	39.11	-50.05	-25.00	25.05	400	36	Horizontal
5	15006.54	40.53	-34.00	39.19	-49.54	-25.00	24.54	169	307	Horizontal
6	17507.63	38.97	-31.88	40.64	-47.53	-25.00	22.53	229	247	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	5002.18	48.96	-44.92	32.60	-58.62	-25.00	33.62	179	299	Vertical
2	7503.27	47.95	-41.59	36.51	-52.39	-25.00	27.39	214	95	Vertical
3	10004.36	43.56	-37.13	38.51	-50.33	-25.00	25.33	225	307	Vertical
4	12505.45	41.24	-35.23	39.11	-50.14	-25.00	25.14	263	281	Vertical
5	15006.54	39.80	-34.00	39.19	-50.27	-25.00	25.27	186	326	Vertical
6	17507.63	38.51	-31.88	40.64	-47.99	-25.00	22.99	195	12	Vertical



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Test Band = LTE Band 7 ANT0_ TM1

Test Channel = Mid Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5052.18	48.36	-44.60	32.60	-58.90	-25.00	33.90	231	103	Horizontal
2	7578.27	48.15	-41.33	36.66	-51.78	-25.00	26.78	256	86	Horizontal
3	10104.36	44.14	-36.80	38.62	-49.30	-25.00	24.30	169	1	Horizontal
4	12630.45	41.36	-34.73	39.23	-49.39	-25.00	24.39	178	342	Horizontal
5	15156.54	39.86	-33.26	38.99	-49.67	-25.00	24.67	154	230	Horizontal
6	17682.63	38.08	-31.11	41.33	-46.96	-25.00	21.96	169	52	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	5052.18	49.11	-44.60	32.60	-58.15	-25.00	33.15	261	205	Vertical
2	7578.27	47.49	-41.33	36.66	-52.44	-25.00	27.44	145	127	Vertical
3	10104.36	43.80	-36.80	38.62	-49.64	-25.00	24.64	196	6	Vertical
4	12630.45	42.09	-34.73	39.23	-48.66	-25.00	23.66	256	0	Vertical
5	15156.54	39.85	-33.26	38.99	-49.68	-25.00	24.68	175	85	Vertical
6	17682.63	39.35	-31.11	41.33	-45.69	-25.00	20.69	116	247	Vertical



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Test Band = LTE Band 7 ANT0_ TM1

Test Channel = High Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5102.18	49.77	-44.28	32.60	-57.17	-25.00	32.17	114	341	Horizontal
2	7653.27	51.53	-41.30	36.81	-48.22	-25.00	23.22	152	62	Horizontal
3	10204.36	41.40	-36.57	38.73	-51.70	-25.00	26.70	163	111	Horizontal
4	12755.45	41.90	-35.10	39.36	-49.11	-25.00	24.11	215	112	Horizontal
5	15306.54	41.31	-33.87	38.80	-49.02	-25.00	24.02	261	353	Horizontal
6	17857.63	39.58	-30.96	42.03	-44.60	-25.00	19.60	174	222	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	5102.18	49.73	-44.28	32.60	-57.21	-25.00	32.21	226	53	Vertical
2	7653.27	54.51	-41.30	36.81	-45.24	-25.00	20.24	152	11	Vertical
3	10204.36	41.82	-36.57	38.73	-51.28	-25.00	26.28	139	239	Vertical
4	12755.45	45.98	-35.10	39.36	-45.03	-25.00	20.03	142	156	Vertical
5	15306.54	41.11	-33.87	38.80	-49.22	-25.00	24.22	178	359	Vertical
6	17857.63	39.33	-30.96	42.03	-44.85	-25.00	19.85	119	3	Vertical



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Test Band = LTE Band 7 ANT1_ TM1

Test Channel = Low Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5002.18	48.58	-44.92	32.60	-59.00	-25.00	34.00	163	200	Horizontal
2	7503.27	46.65	-41.59	36.51	-53.69	-25.00	28.69	215	3	Horizontal
3	10004.36	43.14	-37.13	38.51	-50.75	-25.00	25.75	114	113	Horizontal
4	12505.45	40.34	-35.23	39.11	-51.04	-25.00	26.04	179	139	Horizontal
5	15006.54	39.61	-34.00	39.19	-50.46	-25.00	25.46	273	360	Horizontal
6	17507.63	37.92	-31.88	40.64	-48.58	-25.00	23.58	261	342	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	5002.18	48.29	-44.92	32.60	-59.29	-25.00	34.29	163	360	Vertical
2	7503.27	46.66	-41.59	36.51	-53.68	-25.00	28.68	216	121	Vertical
3	10004.36	44.05	-37.13	38.51	-49.84	-25.00	24.84	227	215	Vertical
4	12505.45	40.48	-35.23	39.11	-50.90	-25.00	25.90	185	19	Vertical
5	15006.54	39.39	-34.00	39.19	-50.68	-25.00	25.68	196	360	Vertical
6	17507.63	37.69	-31.88	40.64	-48.81	-25.00	23.81	174	354	Vertical



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Test Band = LTE Band 7 ANT1_ TM1

Test Channel = Mid Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5052.18	47.92	-44.60	32.60	-59.34	-25.00	34.34	251	10	Horizontal
2	7578.27	46.61	-41.33	36.66	-53.32	-25.00	28.32	142	44	Horizontal
3	10104.36	43.50	-36.80	38.62	-49.94	-25.00	24.94	136	190	Horizontal
4	12630.45	40.76	-34.73	39.23	-49.99	-25.00	24.99	241	358	Horizontal
5	15156.54	39.74	-33.26	38.99	-49.79	-25.00	24.79	186	275	Horizontal
6	17682.63	37.75	-31.11	41.33	-47.29	-25.00	22.29	191	147	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	5052.18	47.81	-44.60	32.60	-59.45	-25.00	34.45	163	198	Vertical
2	7578.27	50.19	-41.33	36.66	-49.74	-25.00	24.74	195	79	Vertical
3	10104.36	43.22	-36.80	38.62	-50.22	-25.00	25.22	142	53	Vertical
4	12630.45	41.59	-34.73	39.23	-49.16	-25.00	24.16	157	36	Vertical
5	15156.54	39.80	-33.26	38.99	-49.73	-25.00	24.73	256	223	Vertical
6	17682.63	37.36	-31.11	41.33	-47.68	-25.00	22.68	246	62	Vertical



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Test Band = LTE Band 7 ANT1_ TM1

Test Channel = High Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5102.18	48.23	-44.28	32.60	-58.71	-25.00	33.71	263	96	Horizontal
2	7653.27	48.71	-41.30	36.81	-51.04	-25.00	26.04	215	358	Horizontal
3	10204.36	40.49	-36.57	38.73	-52.61	-25.00	27.61	227	225	Horizontal
4	12755.45	40.69	-35.10	39.36	-50.32	-25.00	25.32	186	173	Horizontal
5	15306.54	41.25	-33.87	38.80	-49.08	-25.00	24.08	194	3	Horizontal
6	17857.63	38.60	-30.96	42.03	-45.58	-25.00	20.58	142	79	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	5102.18	49.06	-44.28	32.60	-57.88	-25.00	32.88	151	318	Vertical
2	7653.27	47.37	-41.30	36.81	-52.38	-25.00	27.38	126	3	Vertical
3	10204.36	41.72	-36.57	38.73	-51.38	-25.00	26.38	194	148	Vertical
4	12755.45	40.49	-35.10	39.36	-50.52	-25.00	25.52	157	360	Vertical
5	15306.54	39.95	-33.87	38.80	-50.38	-25.00	25.38	215	360	Vertical
6	17857.63	39.09	-30.96	42.03	-45.09	-25.00	20.09	226	208	Vertical



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Test Band = LTE Band 7 ANT2_ TM1

Test Channel = Low Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5002.18	48.73	-44.92	32.60	-58.85	-25.00	33.85	227	233	Horizontal
2	7503.27	47.00	-41.59	36.51	-53.34	-25.00	28.34	142	359	Horizontal
3	10004.36	43.11	-37.13	38.51	-50.78	-25.00	25.78	159	360	Horizontal
4	12505.45	41.22	-35.23	39.11	-50.16	-25.00	25.16	263	62	Horizontal
5	15006.54	39.65	-34.00	39.19	-50.42	-25.00	25.42	174	343	Horizontal
6	17507.63	38.13	-31.88	40.64	-48.37	-25.00	23.37	251	112	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	5002.18	47.60	-44.92	32.60	-59.98	-25.00	34.98	163	198	Vertical
2	7503.27	47.91	-41.59	36.51	-52.43	-25.00	27.43	215	358	Vertical
3	10004.36	43.11	-37.13	38.51	-50.78	-25.00	25.78	226	155	Vertical
4	12505.45	40.39	-35.23	39.11	-50.99	-25.00	25.99	194	180	Vertical
5	15006.54	39.35	-34.00	39.19	-50.72	-25.00	25.72	174	274	Vertical
6	17507.63	37.79	-31.88	40.64	-48.71	-25.00	23.71	158	317	Vertical



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Test Band = LTE Band 7 ANT2_ TM1

Test Channel = Mid Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5052.18	48.23	-44.60	32.60	-59.03	-25.00	34.03	221	165	Horizontal
2	7578.27	48.20	-41.33	36.66	-51.73	-25.00	26.73	163	70	Horizontal
3	10104.36	42.55	-36.80	38.62	-50.89	-25.00	25.89	194	53	Horizontal
4	12630.45	41.37	-34.73	39.23	-49.38	-25.00	24.38	175	165	Horizontal
5	15156.54	39.12	-33.26	38.99	-50.41	-25.00	25.41	186	215	Horizontal
6	17682.63	38.50	-31.11	41.33	-46.54	-25.00	21.54	192	258	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	5052.18	48.81	-44.60	32.60	-58.45	-25.00	33.45	163	88	Vertical
2	7578.27	50.32	-41.33	36.66	-49.61	-25.00	24.61	256	19	Vertical
3	10104.36	44.62	-36.80	38.62	-48.82	-25.00	23.82	149	156	Vertical
4	12630.45	40.94	-34.73	39.23	-49.81	-25.00	24.81	215	301	Vertical
5	15156.54	39.72	-33.26	38.99	-49.81	-25.00	24.81	223	276	Vertical
6	17682.63	38.09	-31.11	41.33	-46.95	-25.00	21.95	265	355	Vertical



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Test Band = LTE Band 7 ANT2_ TM1
Test Channel = High Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5102.18	49.96	-44.28	32.60	-56.98	-25.00	31.98	119	347	Horizontal
2	7653.27	48.17	-41.30	36.81	-51.58	-25.00	26.58	261	96	Horizontal
3	10204.36	41.30	-36.57	38.73	-51.80	-25.00	26.80	253	324	Horizontal
4	12755.45	40.28	-35.10	39.36	-50.73	-25.00	25.73	146	292	Horizontal
5	15306.54	41.47	-33.87	38.80	-48.86	-25.00	23.86	178	137	Horizontal
6	17857.63	39.07	-30.96	42.03	-45.11	-25.00	20.11	251	171	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	5102.18	49.06	-44.28	32.60	-57.88	-25.00	32.88	236	86	Vertical
2	7653.27	47.67	-41.30	36.81	-52.08	-25.00	27.08	215	241	Vertical
3	10204.36	41.36	-36.57	38.73	-51.74	-25.00	26.74	174	299	Vertical
4	12755.45	40.72	-35.10	39.36	-50.29	-25.00	25.29	186	299	Vertical
5	15306.54	39.89	-33.87	38.80	-50.44	-25.00	25.44	251	3	Vertical
6	17857.63	39.38	-30.96	42.03	-44.80	-25.00	19.80	226	283	Vertical



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Test Band = LTE Band 7 ANT3_ TM1

Test Channel = Low Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5002.18	48.45	-44.92	32.60	-59.13	-25.00	34.13	169	188	Horizontal
2	7503.27	47.11	-41.59	36.51	-53.23	-25.00	28.23	125	97	Horizontal
3	10004.36	43.37	-37.13	38.51	-50.52	-25.00	25.52	174	325	Horizontal
4	12505.45	40.21	-35.23	39.11	-51.17	-25.00	26.17	185	156	Horizontal
5	15006.54	38.43	-34.00	39.19	-51.64	-25.00	26.64	163	156	Horizontal
6	17507.63	39.65	-31.88	40.64	-46.85	-25.00	21.85	194	18	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	5002.18	50.05	-44.92	32.60	-57.53	-25.00	32.53	163	28	Vertical
2	7503.27	46.45	-41.59	36.51	-53.89	-25.00	28.89	125	360	Vertical
3	10004.36	44.52	-37.13	38.51	-49.37	-25.00	24.37	197	360	Vertical
4	12505.45	41.41	-35.23	39.11	-49.97	-25.00	24.97	215	19	Vertical
5	15006.54	38.98	-34.00	39.19	-51.09	-25.00	26.09	227	148	Vertical
6	17507.63	37.85	-31.88	40.64	-48.65	-25.00	23.65	263	165	Vertical



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Test Band = LTE Band 7 ANT3_ TM1

Test Channel = Mid Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5052.18	48.44	-44.60	32.60	-58.82	-25.00	33.82	216	180	Horizontal
2	7578.27	47.56	-41.33	36.66	-52.37	-25.00	27.37	234	223	Horizontal
3	10104.36	44.30	-36.80	38.62	-49.14	-25.00	24.14	175	120	Horizontal
4	12630.45	40.92	-34.73	39.23	-49.83	-25.00	24.83	186	223	Horizontal
5	15156.54	39.49	-33.26	38.99	-50.04	-25.00	25.04	194	10	Horizontal
6	17682.63	36.33	-31.11	41.33	-48.71	-25.00	23.71	225	95	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	5052.18	48.47	-44.60	32.60	-58.79	-25.00	33.79	164	163	Vertical
2	7578.27	49.90	-41.33	36.66	-50.03	-25.00	25.03	172	88	Vertical
3	10104.36	44.50	-36.80	38.62	-48.94	-25.00	23.94	158	129	Vertical
4	12630.45	41.02	-34.73	39.23	-49.73	-25.00	24.73	194	241	Vertical
5	15156.54	39.68	-33.26	38.99	-49.85	-25.00	24.85	226	181	Vertical
6	17682.63	36.73	-31.11	41.33	-48.31	-25.00	23.31	137	359	Vertical



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Test Band = LTE Band 7 ANT3_ TM1
Test Channel = High Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5102.18	49.57	-44.28	32.60	-57.37	-25.00	32.37	116	232	Horizontal
2	7653.27	47.13	-41.30	36.81	-52.62	-25.00	27.62	195	112	Horizontal
3	10204.36	40.64	-36.57	38.73	-52.46	-25.00	27.46	214	148	Horizontal
4	12755.45	40.79	-35.10	39.36	-50.22	-25.00	25.22	237	216	Horizontal
5	15306.54	40.79	-33.87	38.80	-49.54	-25.00	24.54	185	285	Horizontal
6	17857.63	39.18	-30.96	42.03	-45.00	-25.00	20.00	400	251	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	5102.18	48.96	-44.28	32.60	-57.98	-25.00	32.98	164	207	Vertical
2	7653.27	47.42	-41.30	36.81	-52.33	-25.00	27.33	215	282	Vertical
3	10204.36	40.96	-36.57	38.73	-52.14	-25.00	27.14	229	273	Vertical
4	12755.45	40.22	-35.10	39.36	-50.79	-25.00	25.79	163	138	Vertical
5	15306.54	39.80	-33.87	38.80	-50.53	-25.00	25.53	174	155	Vertical
6	17857.63	39.20	-30.96	42.03	-44.98	-25.00	19.98	152	257	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
Band7	20MHz	QPSK	21100	100RB#0	VL	NT	1.70	0.000671	PASS
Band7	20MHz	QPSK	21100	100RB#0	VN	NT	0.40	0.000158	PASS
Band7	20MHz	QPSK	21100	100RB#0	VH	NT	0.80	0.000316	PASS

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band7	20MHz	QPSK	21100	100RB#0	NV	-30	0.50	0.000197	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	-20	0.90	0.000355	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	-10	-0.90	-0.000355	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	0	2.40	0.000947	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	10	-1.10	-0.000434	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	20	1.80	0.000710	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	30	1.50	0.000592	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	40	-1.20	-0.000473	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	50	0.60	0.000237	PASS

---End of Attachment---



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