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Appendix B.4

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	20.79	21.79	33.00	PASS
Band7	5MHz	QPSK	20775	1RB#12	20.67	21.67	33.00	PASS
Band7	5MHz	QPSK	20775	1RB#24	20.64	21.64	33.00	PASS
Band7	5MHz	QPSK	20775	25RB#0	19.69	20.69	33.00	PASS
Band7	5MHz	16QAM	20775	1RB#0	19.77	20.77	33.00	PASS
Band7	5MHz	16QAM	20775	1RB#12	19.82	20.82	33.00	PASS
Band7	5MHz	16QAM	20775	1RB#24	19.85	20.85	33.00	PASS
Band7	5MHz	16QAM	20775	25RB#0	18.89	19.89	33.00	PASS
Band7	5MHz	64QAM	20775	1RB#0	18.6	19.6	33.00	PASS
Band7	5MHz	64QAM	20775	1RB#12	18.47	19.47	33.00	PASS
Band7	5MHz	64QAM	20775	1RB#24	18.76	19.76	33.00	PASS
Band7	5MHz	64QAM	20775	25RB#0	17.82	18.82	33.00	PASS
Band7	5MHz	QPSK	21100	1RB#0	20.82	21.82	33.00	PASS
Band7	5MHz	QPSK	21100	1RB#12	20.7	21.7	33.00	PASS
Band7	5MHz	QPSK	21100	1RB#24	20.84	21.84	33.00	PASS
Band7	5MHz	QPSK	21100	25RB#0	19.67	20.67	33.00	PASS
Band7	5MHz	16QAM	21100	1RB#0	19.78	20.78	33.00	PASS
Band7	5MHz	16QAM	21100	1RB#12	19.77	20.77	33.00	PASS
Band7	5MHz	16QAM	21100	1RB#24	19.68	20.68	33.00	PASS
Band7	5MHz	16QAM	21100	25RB#0	18.91	19.91	33.00	PASS
Band7	5MHz	64QAM	21100	1RB#0	18.69	19.69	33.00	PASS
Band7	5MHz	64QAM	21100	1RB#12	18.49	19.49	33.00	PASS
Band7	5MHz	64QAM	21100	1RB#24	18.73	19.73	33.00	PASS
Band7	5MHz	64QAM	21100	25RB#0	17.89	18.89	33.00	PASS
Band7	5MHz	QPSK	21425	1RB#0	20.84	21.84	33.00	PASS
Band7	5MHz	QPSK	21425	1RB#12	20.78	21.78	33.00	PASS



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Band7	5MHz	QPSK	21425	1RB#24	20.85	21.85	33.00	PASS
Band7	5MHz	QPSK	21425	25RB#0	19.7	20.7	33.00	PASS
Band7	5MHz	16QAM	21425	1RB#0	19.66	20.66	33.00	PASS
Band7	5MHz	16QAM	21425	1RB#12	19.74	20.74	33.00	PASS
Band7	5MHz	16QAM	21425	1RB#24	19.7	20.7	33.00	PASS
Band7	5MHz	16QAM	21425	25RB#0	18.83	19.83	33.00	PASS
Band7	5MHz	64QAM	21425	1RB#0	18.74	19.74	33.00	PASS
Band7	5MHz	64QAM	21425	1RB#12	18.51	19.51	33.00	PASS
Band7	5MHz	64QAM	21425	1RB#24	18.54	19.54	33.00	PASS
Band7	5MHz	64QAM	21425	25RB#0	17.74	18.74	33.00	PASS
Band7	10MHz	QPSK	20800	1RB#0	20.85	21.85	33.00	PASS
Band7	10MHz	QPSK	20800	1RB#24	20.77	21.77	33.00	PASS
Band7	10MHz	QPSK	20800	1RB#49	20.71	21.71	33.00	PASS
Band7	10MHz	QPSK	20800	50RB#0	19.75	20.75	33.00	PASS
Band7	10MHz	16QAM	20800	1RB#0	19.81	20.81	33.00	PASS
Band7	10MHz	16QAM	20800	1RB#24	19.74	20.74	33.00	PASS
Band7	10MHz	16QAM	20800	1RB#49	19.78	20.78	33.00	PASS
Band7	10MHz	16QAM	20800	50RB#0	18.81	19.81	33.00	PASS
Band7	10MHz	64QAM	20800	1RB#0	18.65	19.65	33.00	PASS
Band7	10MHz	64QAM	20800	1RB#24	18.51	19.51	33.00	PASS
Band7	10MHz	64QAM	20800	1RB#49	18.68	19.68	33.00	PASS
Band7	10MHz	64QAM	20800	50RB#0	17.81	18.81	33.00	PASS
Band7	10MHz	QPSK	21100	1RB#0	20.83	21.83	33.00	PASS
Band7	10MHz	QPSK	21100	1RB#24	20.7	21.7	33.00	PASS
Band7	10MHz	QPSK	21100	1RB#49	20.89	21.89	33.00	PASS
Band7	10MHz	QPSK	21100	50RB#0	19.78	20.78	33.00	PASS
Band7	10MHz	16QAM	21100	1RB#0	19.82	20.82	33.00	PASS
Band7	10MHz	16QAM	21100	1RB#24	19.75	20.75	33.00	PASS
Band7	10MHz	16QAM	21100	1RB#49	19.7	20.7	33.00	PASS
Band7	10MHz	16QAM	21100	50RB#0	18.85	19.85	33.00	PASS
Band7	10MHz	64QAM	21100	1RB#0	18.68	19.68	33.00	PASS
Band7	10MHz	64QAM	21100	1RB#24	18.58	19.58	33.00	PASS



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Band7	10MHz	64QAM	21100	1RB#49	18.78	19.78	33.00	PASS
Band7	10MHz	64QAM	21100	50RB#0	17.85	18.85	33.00	PASS
Band7	10MHz	QPSK	21400	1RB#0	20.88	21.88	33.00	PASS
Band7	10MHz	QPSK	21400	1RB#24	20.83	21.83	33.00	PASS
Band7	10MHz	QPSK	21400	1RB#49	20.85	21.85	33.00	PASS
Band7	10MHz	QPSK	21400	50RB#0	19.72	20.72	33.00	PASS
Band7	10MHz	16QAM	21400	1RB#0	19.68	20.68	33.00	PASS
Band7	10MHz	16QAM	21400	1RB#24	19.69	20.69	33.00	PASS
Band7	10MHz	16QAM	21400	1RB#49	19.64	20.64	33.00	PASS
Band7	10MHz	16QAM	21400	50RB#0	18.8	19.8	33.00	PASS
Band7	10MHz	64QAM	21400	1RB#0	18.72	19.72	33.00	PASS
Band7	10MHz	64QAM	21400	1RB#24	18.62	19.62	33.00	PASS
Band7	10MHz	64QAM	21400	1RB#49	18.55	19.55	33.00	PASS
Band7	10MHz	64QAM	21400	50RB#0	17.74	18.74	33.00	PASS
Band7	15MHz	QPSK	20825	1RB#0	20.78	21.78	33.00	PASS
Band7	15MHz	QPSK	20825	1RB#38	20.77	21.77	33.00	PASS
Band7	15MHz	QPSK	20825	1RB#74	20.67	21.67	33.00	PASS
Band7	15MHz	QPSK	20825	75RB#0	19.69	20.69	33.00	PASS
Band7	15MHz	16QAM	20825	1RB#0	19.85	20.85	33.00	PASS
Band7	15MHz	16QAM	20825	1RB#38	19.78	20.78	33.00	PASS
Band7	15MHz	16QAM	20825	1RB#74	19.76	20.76	33.00	PASS
Band7	15MHz	16QAM	20825	75RB#0	18.85	19.85	33.00	PASS
Band7	15MHz	64QAM	20825	1RB#0	18.59	19.59	33.00	PASS
Band7	15MHz	64QAM	20825	1RB#38	18.48	19.48	33.00	PASS
Band7	15MHz	64QAM	20825	1RB#74	18.74	19.74	33.00	PASS
Band7	15MHz	64QAM	20825	75RB#0	17.84	18.84	33.00	PASS
Band7	15MHz	QPSK	21100	1RB#0	20.85	21.85	33.00	PASS
Band7	15MHz	QPSK	21100	1RB#38	20.75	21.75	33.00	PASS
Band7	15MHz	QPSK	21100	1RB#74	20.8	21.8	33.00	PASS
Band7	15MHz	QPSK	21100	75RB#0	19.69	20.69	33.00	PASS
Band7	15MHz	16QAM	21100	1RB#0	19.84	20.84	33.00	PASS
Band7	15MHz	16QAM	21100	1RB#38	19.82	20.82	33.00	PASS



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Band7	15MHz	16QAM	21100	1RB#74	19.74	20.74	33.00	PASS
Band7	15MHz	16QAM	21100	75RB#0	18.9	19.9	33.00	PASS
Band7	15MHz	64QAM	21100	1RB#0	18.75	19.75	33.00	PASS
Band7	15MHz	64QAM	21100	1RB#38	18.59	19.59	33.00	PASS
Band7	15MHz	64QAM	21100	1RB#74	18.8	19.8	33.00	PASS
Band7	15MHz	64QAM	21100	75RB#0	17.84	18.84	33.00	PASS
Band7	15MHz	QPSK	21375	1RB#0	20.86	21.86	33.00	PASS
Band7	15MHz	QPSK	21375	1RB#38	20.78	21.78	33.00	PASS
Band7	15MHz	QPSK	21375	1RB#74	20.77	21.77	33.00	PASS
Band7	15MHz	QPSK	21375	75RB#0	19.7	20.7	33.00	PASS
Band7	15MHz	16QAM	21375	1RB#0	19.69	20.69	33.00	PASS
Band7	15MHz	16QAM	21375	1RB#38	19.65	20.65	33.00	PASS
Band7	15MHz	16QAM	21375	1RB#74	19.71	20.71	33.00	PASS
Band7	15MHz	16QAM	21375	75RB#0	18.74	19.74	33.00	PASS
Band7	15MHz	64QAM	21375	1RB#0	18.76	19.76	33.00	PASS
Band7	15MHz	64QAM	21375	1RB#38	18.63	19.63	33.00	PASS
Band7	15MHz	64QAM	21375	1RB#74	18.59	19.59	33.00	PASS
Band7	15MHz	64QAM	21375	75RB#0	17.8	18.8	33.00	PASS
Band7	20MHz	QPSK	20850	1RB#0	20.78	21.78	33.00	PASS
Band7	20MHz	QPSK	20850	1RB#49	20.72	21.72	33.00	PASS
Band7	20MHz	QPSK	20850	1RB#99	20.83	21.83	33.00	PASS
Band7	20MHz	QPSK	20850	100RB#0	19.64	20.64	33.00	PASS
Band7	20MHz	16QAM	20850	1RB#0	19.83	20.83	33.00	PASS
Band7	20MHz	16QAM	20850	1RB#49	19.84	20.84	33.00	PASS
Band7	20MHz	16QAM	20850	1RB#99	19.9	20.9	33.00	PASS
Band7	20MHz	16QAM	20850	100RB#0	18.85	19.85	33.00	PASS
Band7	20MHz	64QAM	20850	1RB#0	18.69	19.69	33.00	PASS
Band7	20MHz	64QAM	20850	1RB#49	18.42	19.42	33.00	PASS
Band7	20MHz	64QAM	20850	1RB#99	18.68	19.68	33.00	PASS
Band7	20MHz	64QAM	20850	100RB#0	17.81	18.81	33.00	PASS
Band7	20MHz	QPSK	21100	1RB#0	20.9	21.9	33.00	PASS
Band7	20MHz	QPSK	21100	1RB#49	20.63	21.63	33.00	PASS



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Band7	20MHz	QPSK	21100	100RB#0	19.72	20.72	33.00	PASS
Band7	20MHz	16QAM	21100	1RB#0	19.77	20.77	33.00	PASS
Band7	20MHz	16QAM	21100	1RB#49	19.73	20.73	33.00	PASS
Band7	20MHz	16QAM	21100	1RB#99	19.81	20.81	33.00	PASS
Band7	20MHz	16QAM	21100	100RB#0	18.77	19.77	33.00	PASS
Band7	20MHz	64QAM	21100	1RB#0	18.64	19.64	33.00	PASS
Band7	20MHz	64QAM	21100	1RB#49	18.59	19.59	33.00	PASS
Band7	20MHz	64QAM	21100	1RB#99	18.7	19.7	33.00	PASS
Band7	20MHz	64QAM	21100	100RB#0	17.86	18.86	33.00	PASS
Band7	20MHz	QPSK	21350	1RB#0	20.83	21.83	33.00	PASS
Band7	20MHz	QPSK	21350	1RB#49	20.8	21.8	33.00	PASS
Band7	20MHz	QPSK	21350	1RB#99	20.85	21.85	33.00	PASS
Band7	20MHz	QPSK	21350	100RB#0	19.72	20.72	33.00	PASS
Band7	20MHz	16QAM	21350	1RB#0	19.68	20.68	33.00	PASS
Band7	20MHz	16QAM	21350	1RB#49	19.7	20.7	33.00	PASS
Band7	20MHz	16QAM	21350	1RB#99	19.71	20.71	33.00	PASS
Band7	20MHz	16QAM	21350	100RB#0	18.82	19.82	33.00	PASS
Band7	20MHz	64QAM	21350	1RB#0	18.64	19.64	33.00	PASS
Band7	20MHz	64QAM	21350	1RB#49	18.67	19.67	33.00	PASS
Band7	20MHz	64QAM	21350	1RB#99	18.58	19.58	33.00	PASS
Band7	20MHz	64QAM	21350	100RB#0	17.77	18.77	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
Band7	20MHz	QPSK	20850	100RB#0	5.50	13	PASS
Band7	20MHz	QPSK	21100	100RB#0	5.36	13	PASS
Band7	20MHz	QPSK	21350	100RB#0	5.42	13	PASS
Band7	20MHz	16QAM	20850	100RB#0	6.26	13	PASS
Band7	20MHz	16QAM	21100	100RB#0	6.16	13	PASS
Band7	20MHz	16QAM	21350	100RB#0	6.26	13	PASS
Band7	20MHz	64QAM	20850	100RB#0	6.56	13	PASS
Band7	20MHz	64QAM	21100	100RB#0	6.48	13	PASS
Band7	20MHz	64QAM	21350	100RB#0	6.50	13	PASS



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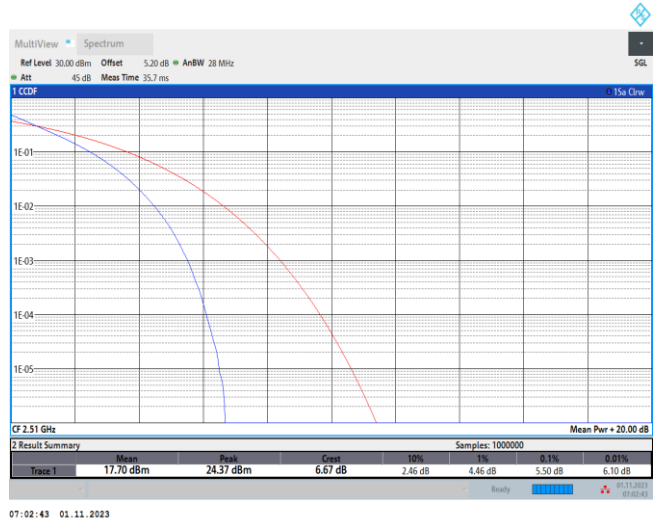
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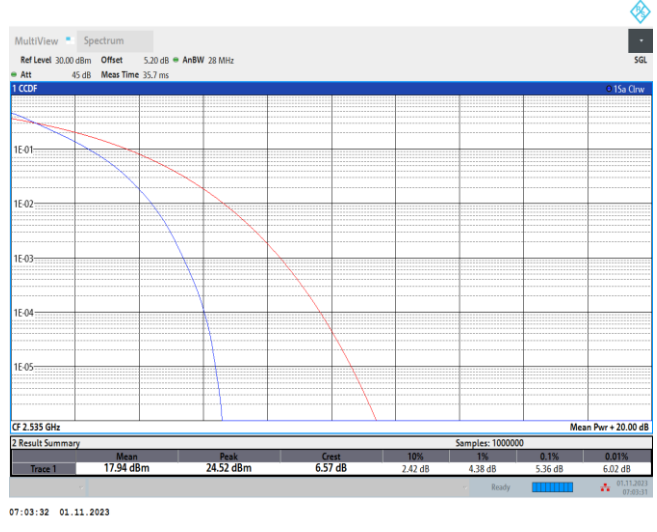
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Test Graphs

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



Band7-20MHz-QPSK-21100-100RB#0

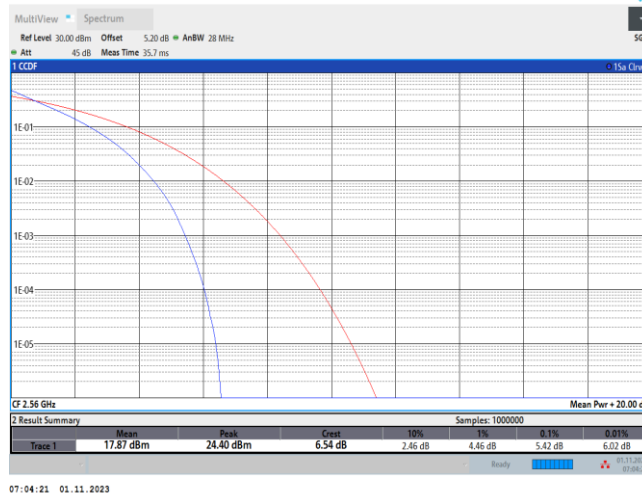


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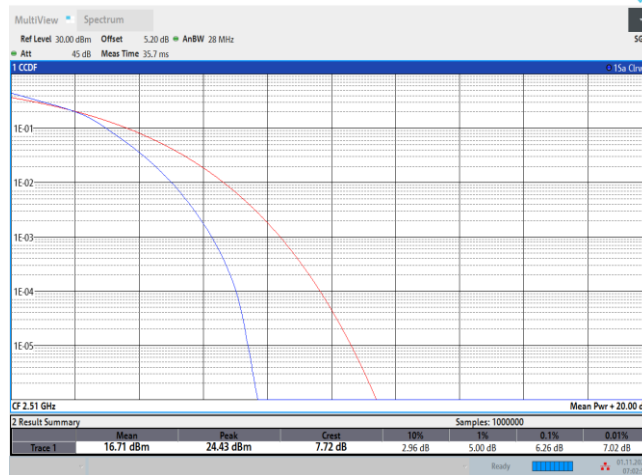
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Band7-20MHz-QPSK-21350-100RB#0



07:04:21 01.11.2023

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



07:02:59 01.11.2023

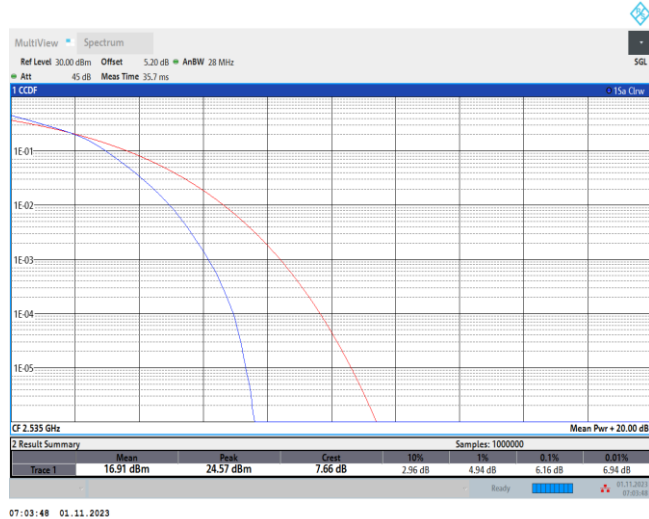


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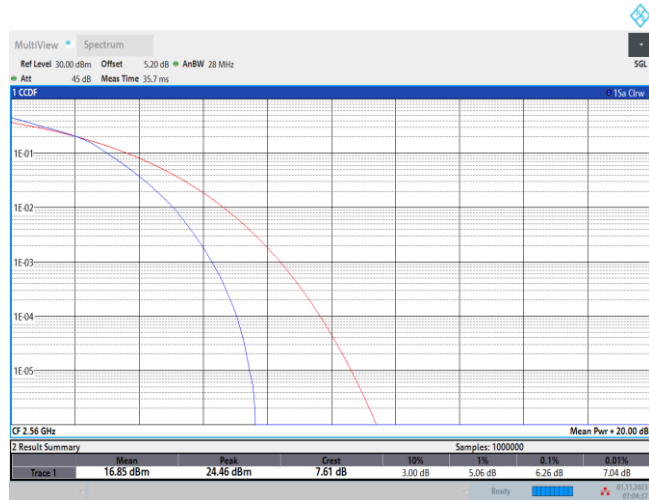
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Band7-20MHz-16QAM-21100-100RB#0



07:03:48 01.11.2023

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



07:04:38 01.11.2023

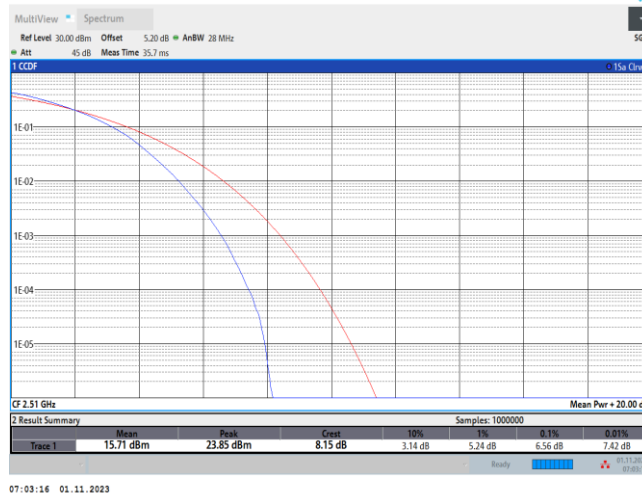


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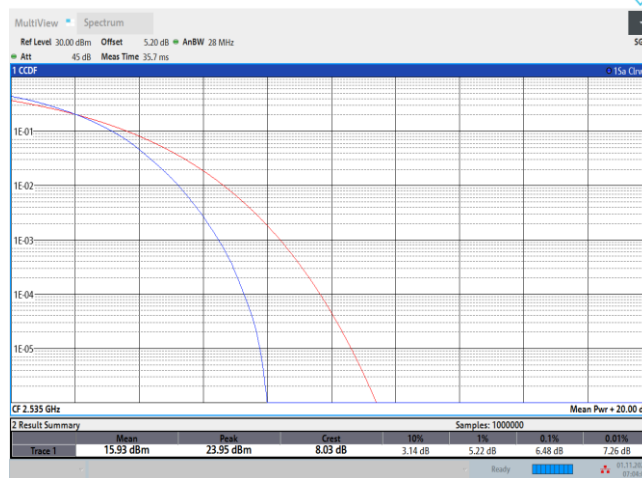
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Band7-20MHz-64QAM-20850-100RB#0



07:03:16 01.11.2023

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



07:04:05 01.11.2023

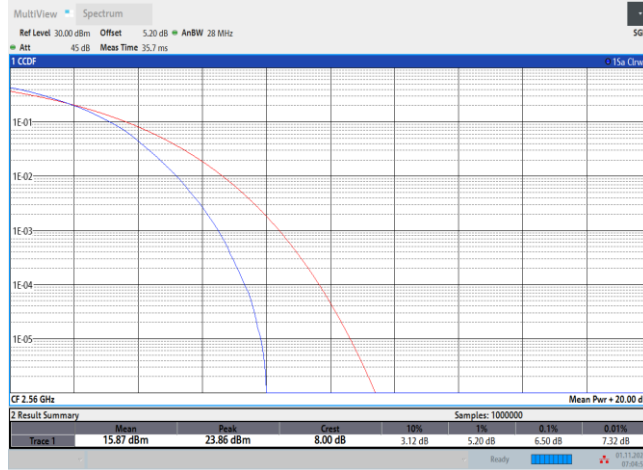


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Band7-20MHz-64QAM-21350-100RB#0



07:04:54 01.11.2023



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26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band7	5MHz	QPSK	21100	25RB#0	4.469	4.84	PASS
Band7	5MHz	16QAM	21100	25RB#0	4.468	4.86	PASS
Band7	5MHz	64QAM	21100	25RB#0	4.477	4.85	PASS
Band7	10MHz	QPSK	21100	50RB#0	8.948	9.60	PASS
Band7	10MHz	16QAM	21100	50RB#0	8.918	9.80	PASS
Band7	10MHz	64QAM	21100	50RB#0	8.925	9.62	PASS
Band7	15MHz	QPSK	21100	75RB#0	13.492	14.67	PASS
Band7	15MHz	16QAM	21100	75RB#0	13.469	14.70	PASS
Band7	15MHz	64QAM	21100	75RB#0	13.446	14.67	PASS
Band7	20MHz	QPSK	21100	100RB#0	17.912	19.36	PASS
Band7	20MHz	16QAM	21100	100RB#0	17.906	19.32	PASS
Band7	20MHz	64QAM	21100	100RB#0	17.899	19.28	PASS



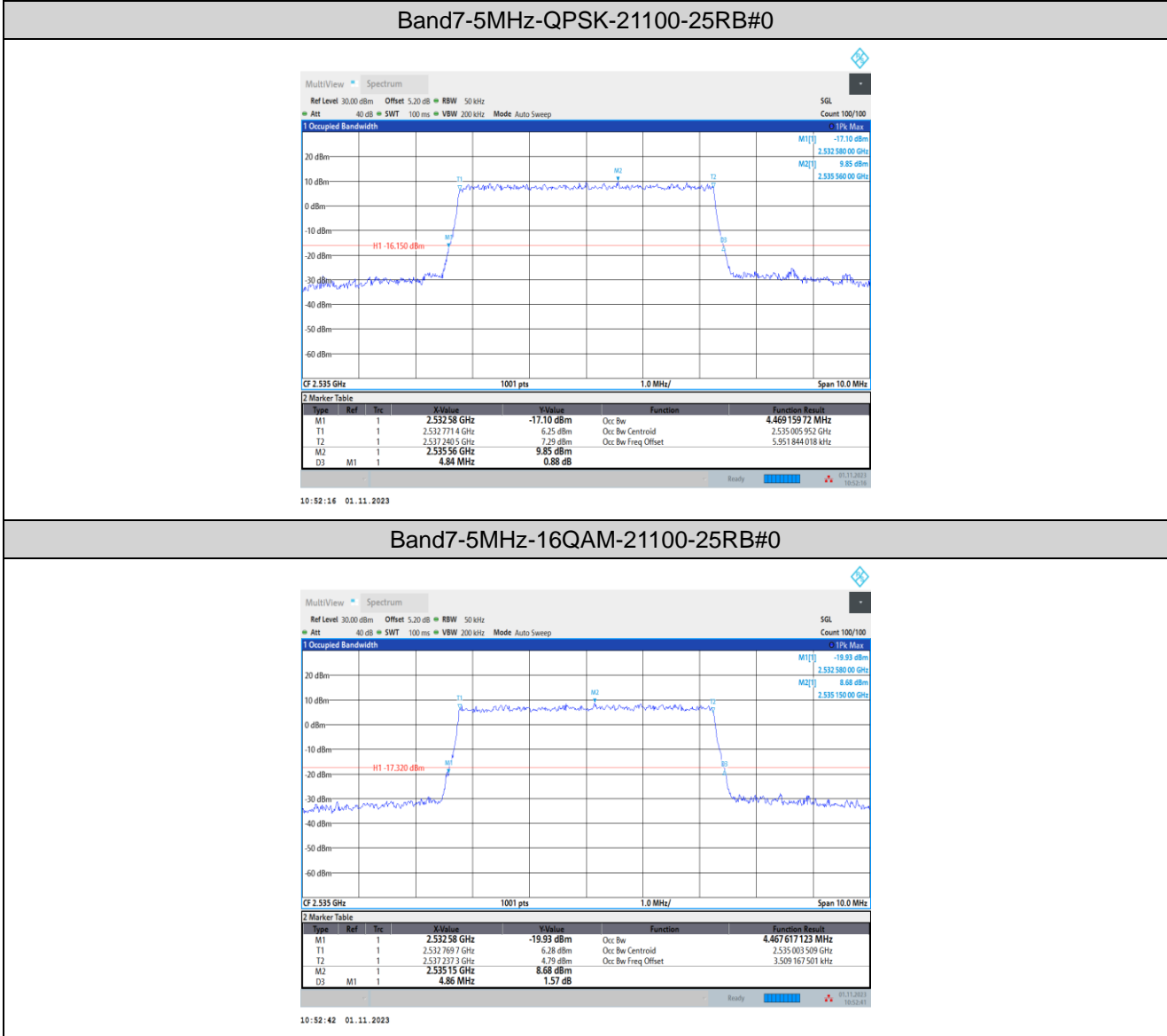
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Test Graphs

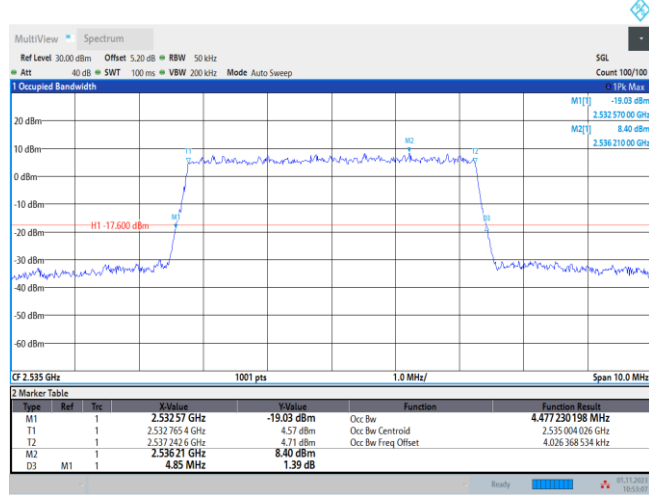


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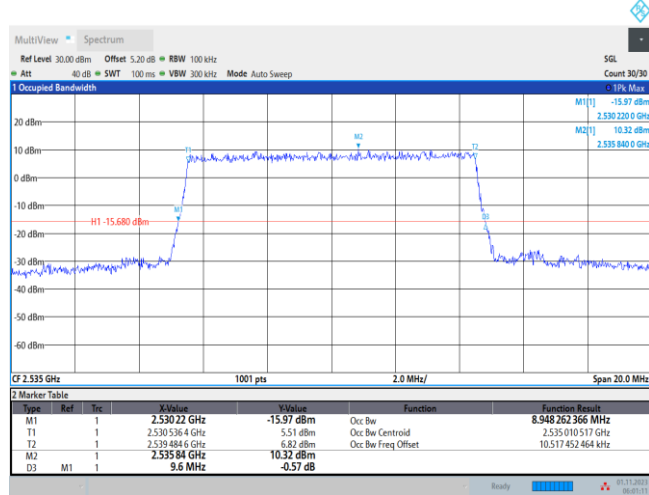
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Band7-5MHz-64QAM-21100-25RB#0



10:53:08 01.11.2023

Band7-10MHz-QPSK-21100-50RB#0



06:01:11 01.11.2023

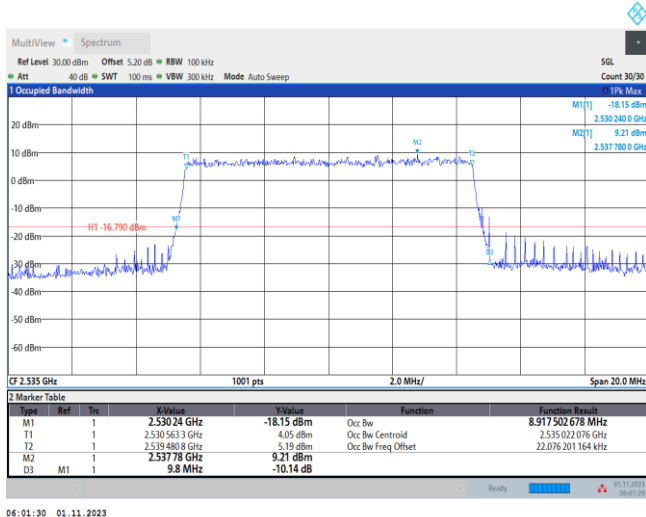


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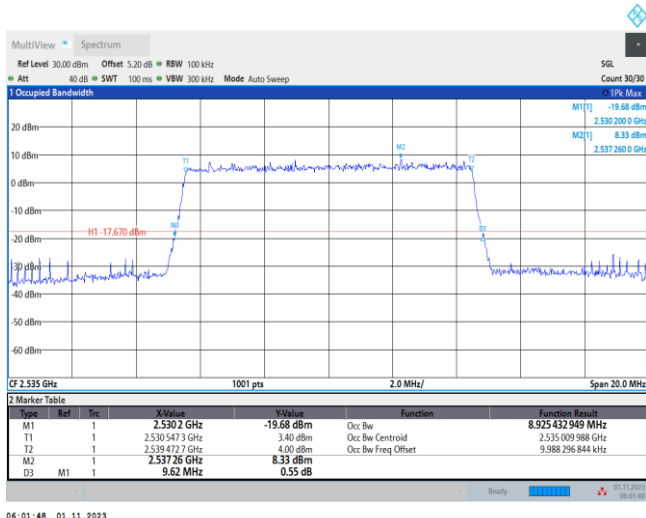
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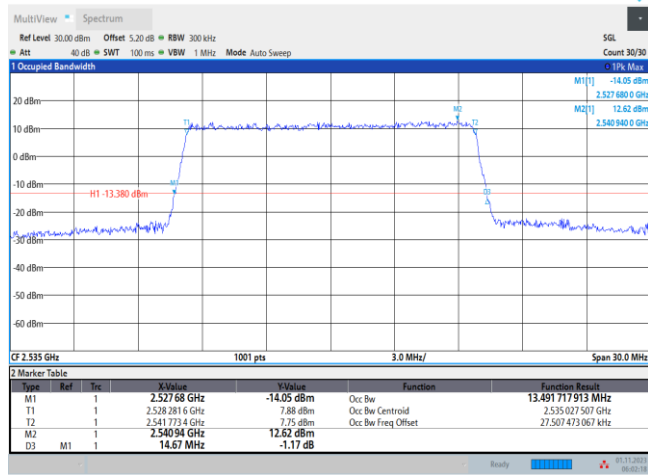


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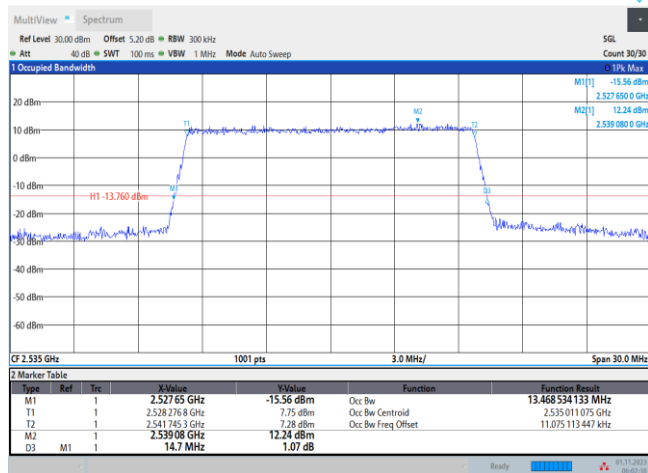
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Band7-15MHz-QPSK-21100-75RB#0



06:02:18 01.11.2023

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



06:02:36 01.11.2023

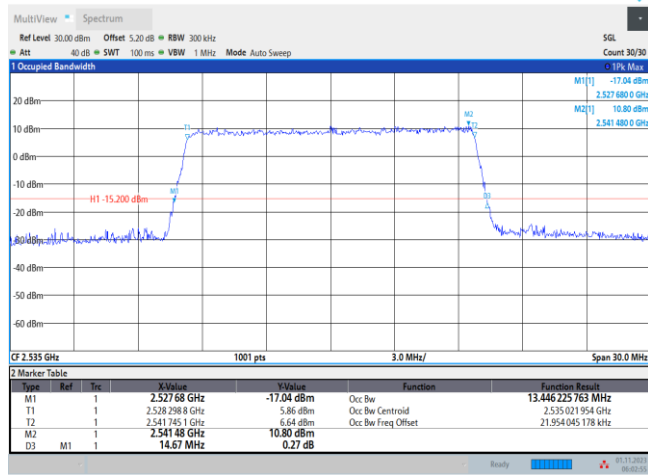


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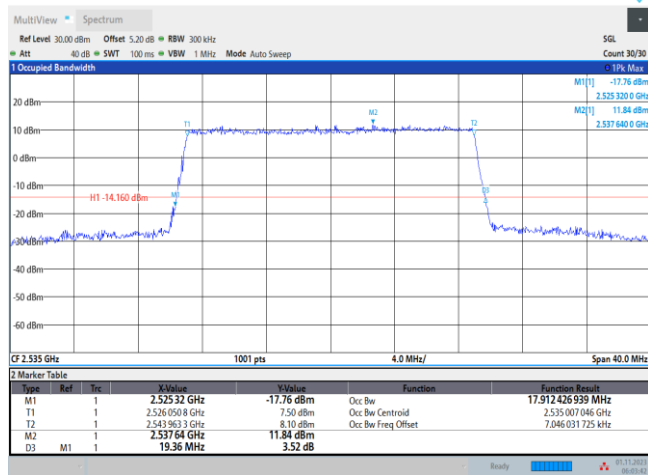
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Band7-15MHz-64QAM-21100-75RB#0



06:02:55 01.11.2023

Band7-20MHz-QPSK-21100-100RB#0



06:03:42 01.11.2023

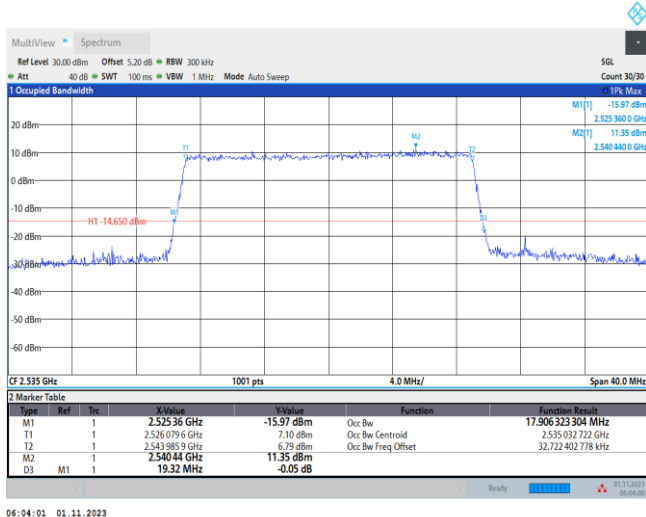


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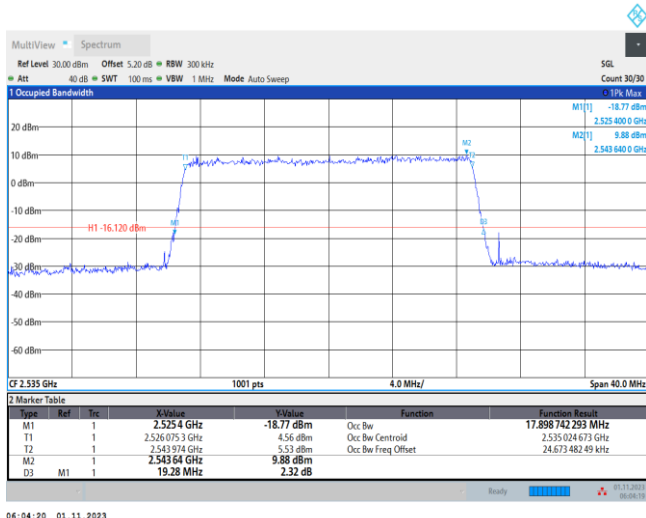
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Band7-20MHz-16QAM-21100-100RB#0



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



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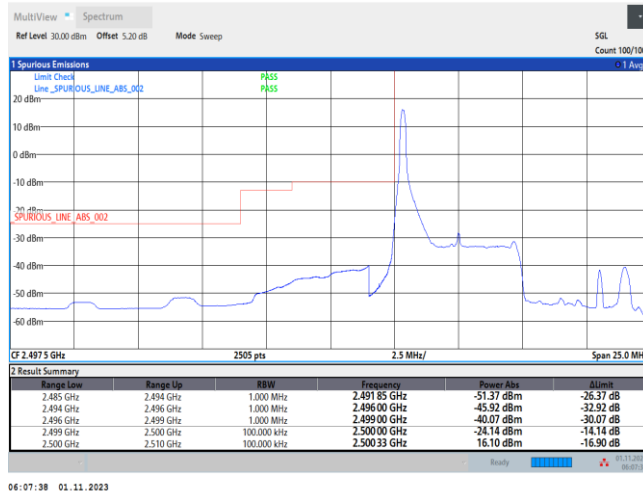
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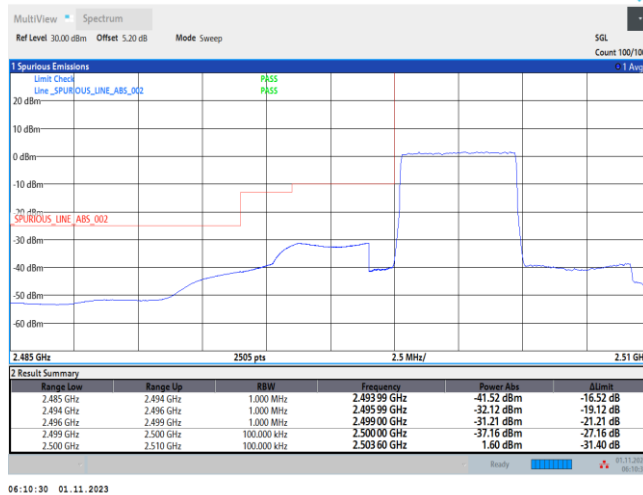
Band Edge

Test Graphs

Band7-5MHz-QPSK-20775-1RB#0



Band7-5MHz-QPSK-20775-25RB#0



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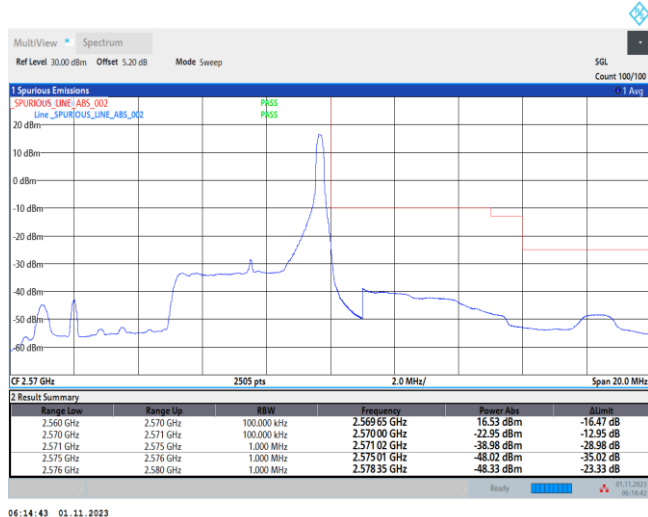
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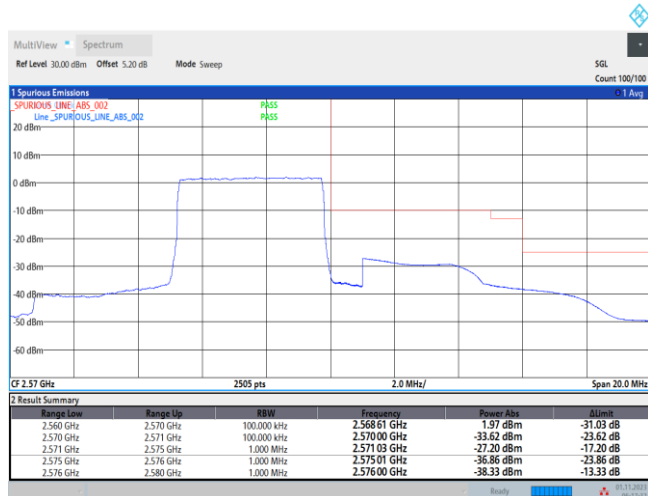
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Band7-5MHz-QPSK-21425-1RB#24



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



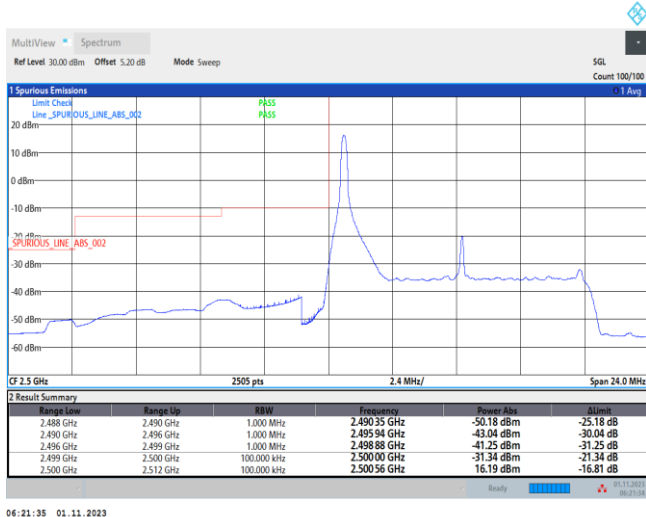
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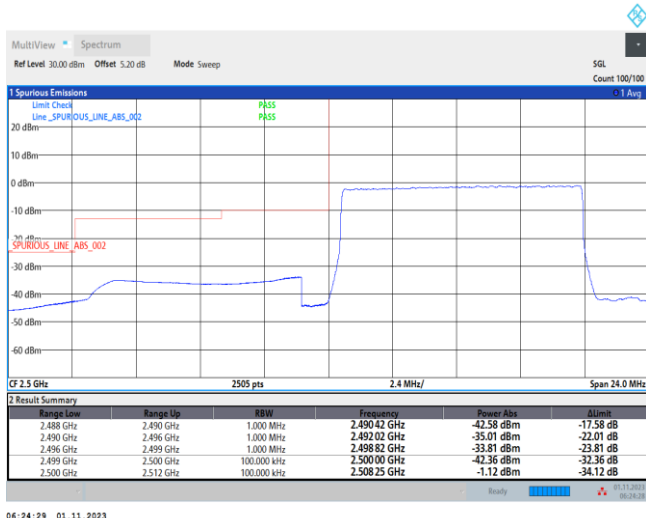
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Band7-10MHz-QPSK-20800-1RB#0



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

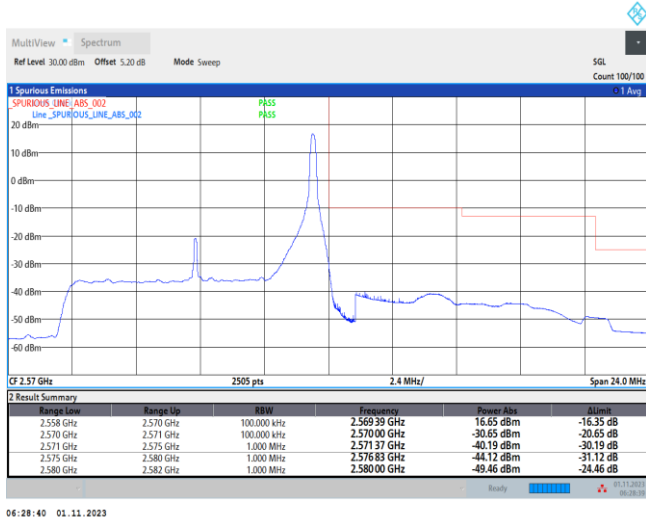


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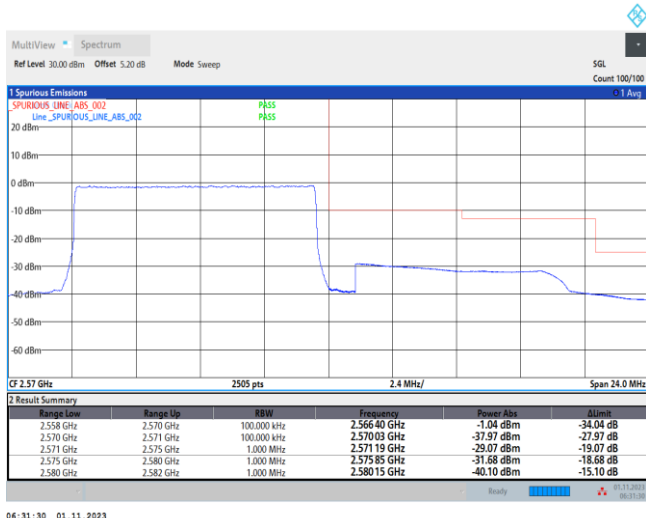
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Band7-10MHz-QPSK-21400-1RB#49



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

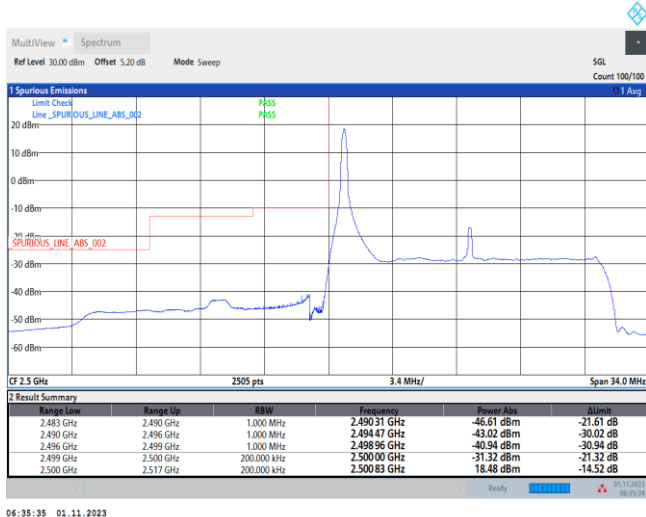


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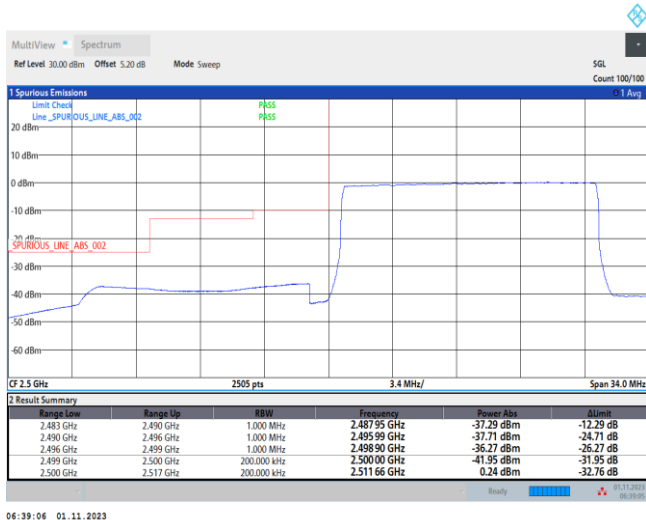
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Band7-15MHz-QPSK-20825-1RB#0



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



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



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



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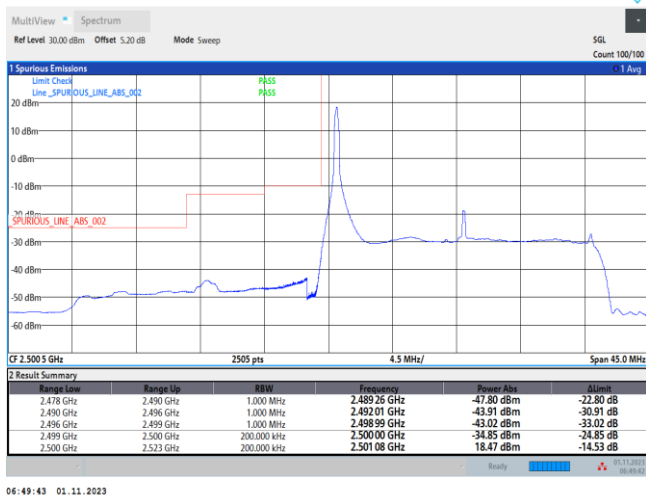


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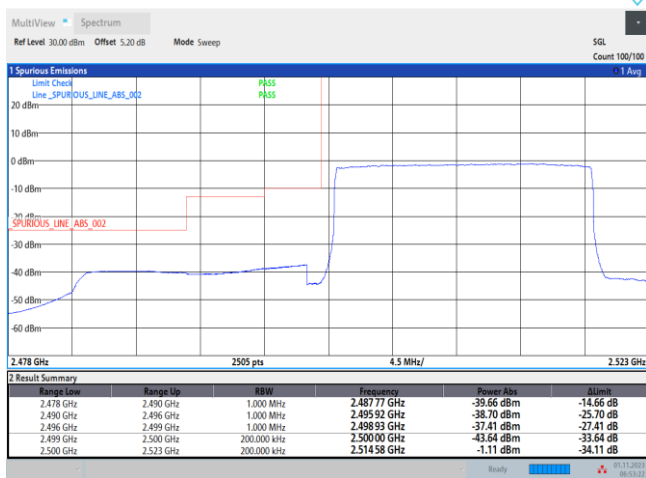
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Band7-20MHz-QPSK-20850-1RB#0



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



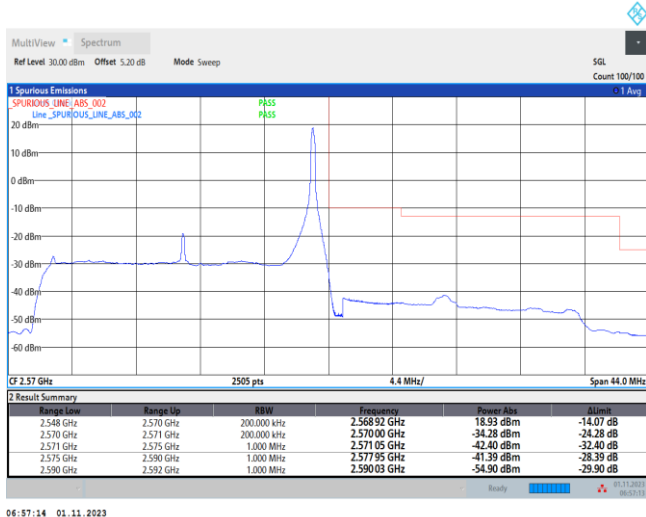
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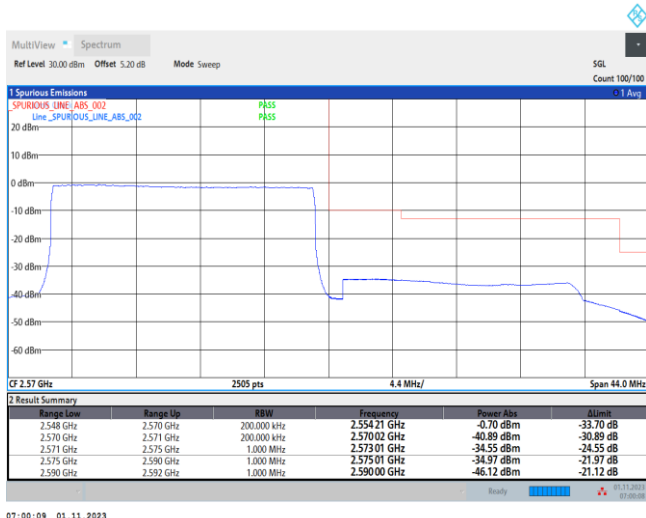
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Band7-20MHz-QPSK-21350-1RB#99



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



07:00:09 01.11.2023



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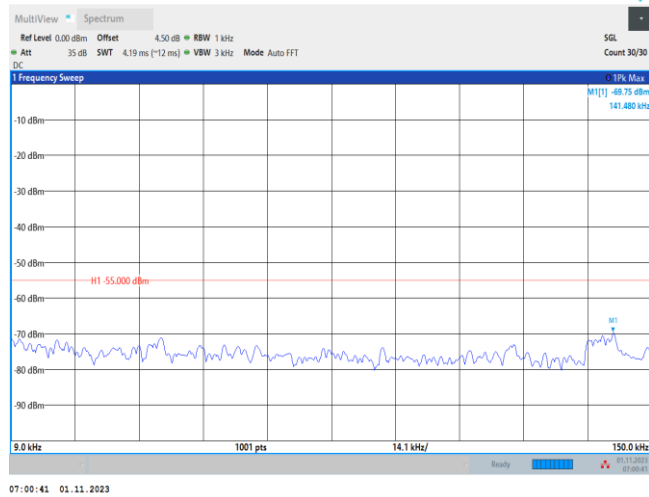
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Conducted Spurious Emission

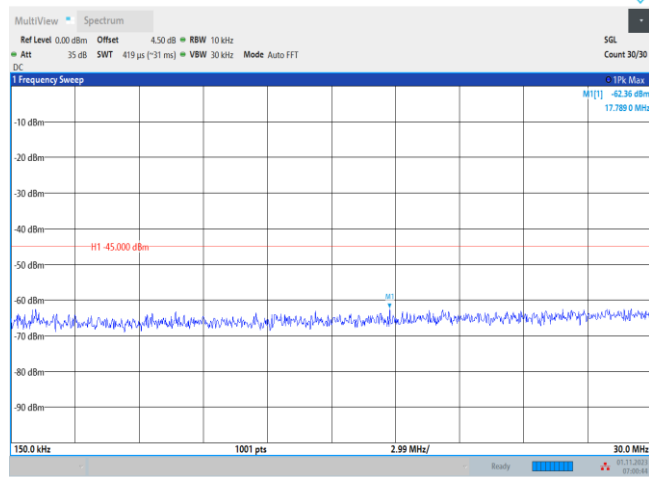
Test Graphs

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



07:00:41 01.11.2023

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



07:00:45 01.11.2023



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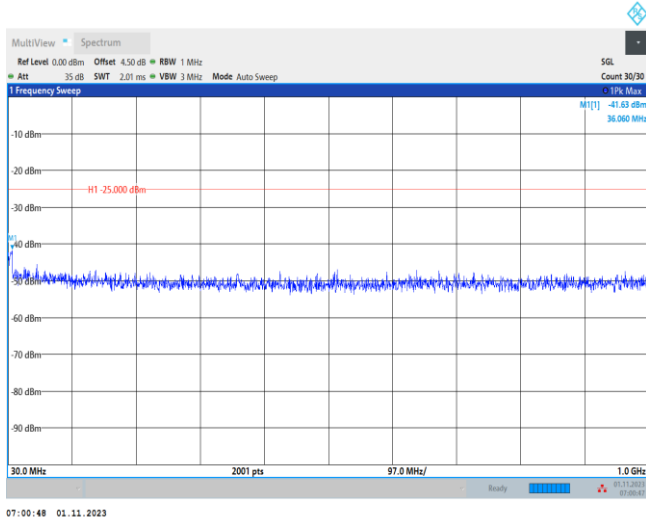
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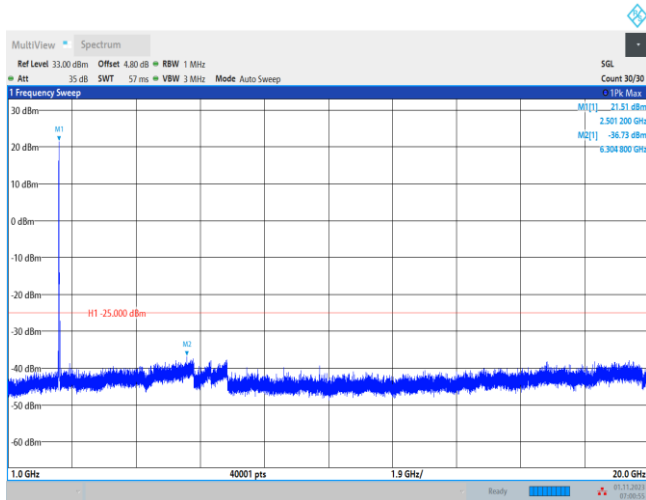
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Band7-20MHz-QPSK-20850-1RB#0-Range3:30~1000MHz



07:00:48 01.11.2023

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



07:00:55 01.11.2023

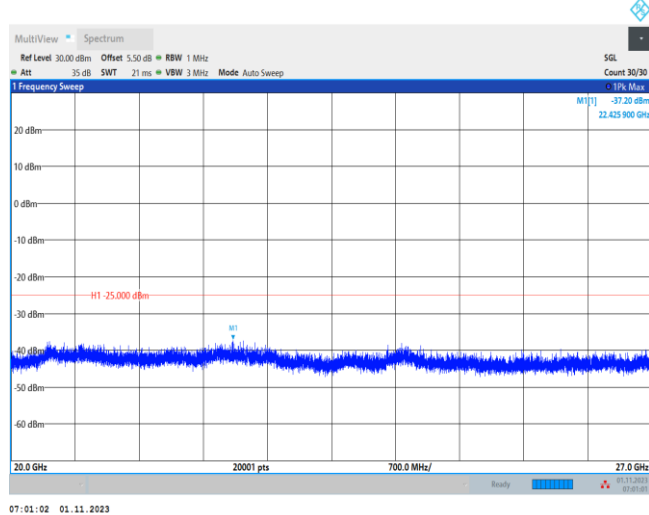


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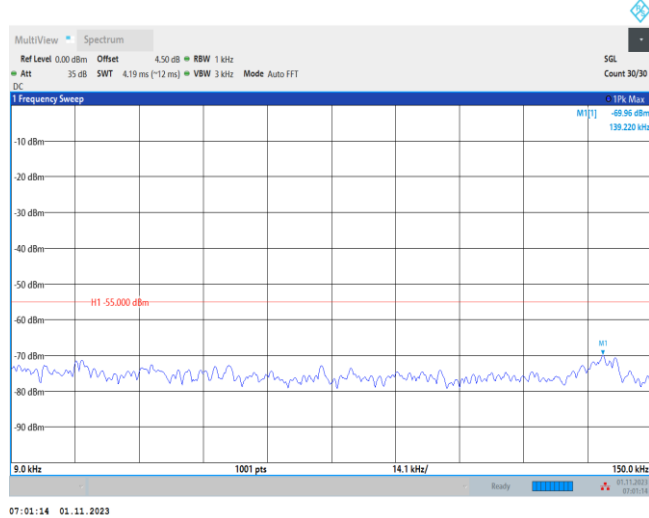
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Band7-20MHz-QPSK-20850-1RB#0-Range5:20000~27000MHz



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

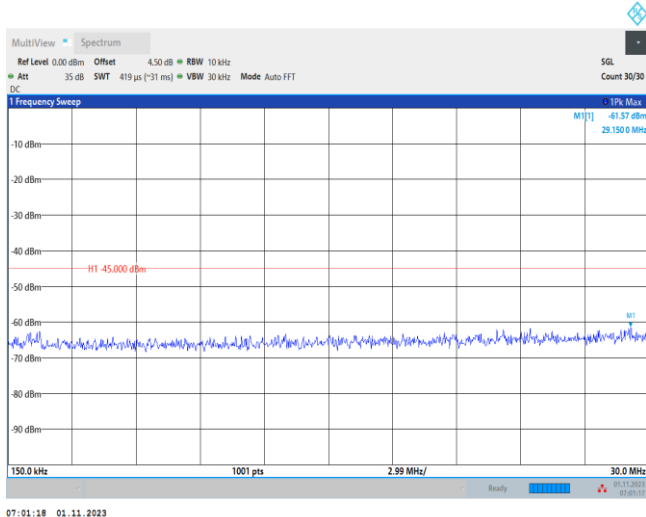


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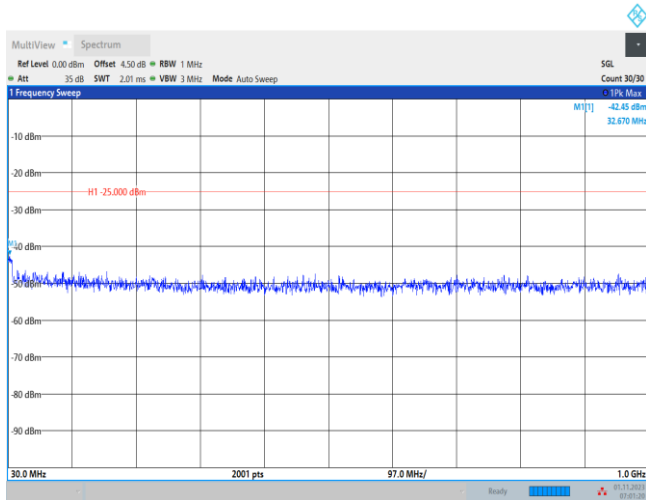
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Band7-20MHz-QPSK-21100-1RB#0-Range2:0.15~30MHz



07:01:18 01.11.2023

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



07:01:21 01.11.2023

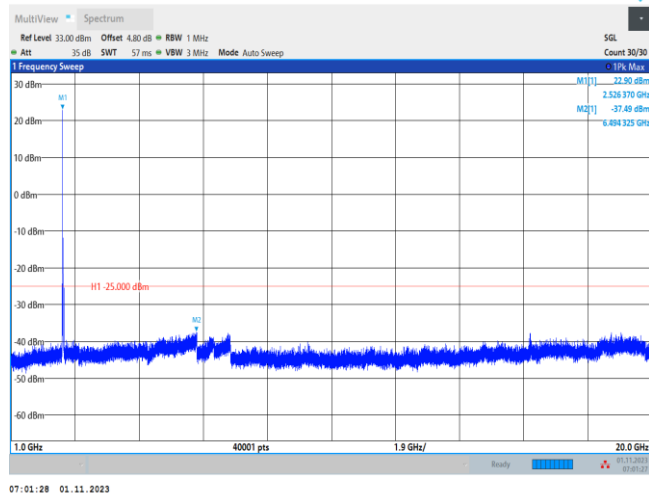


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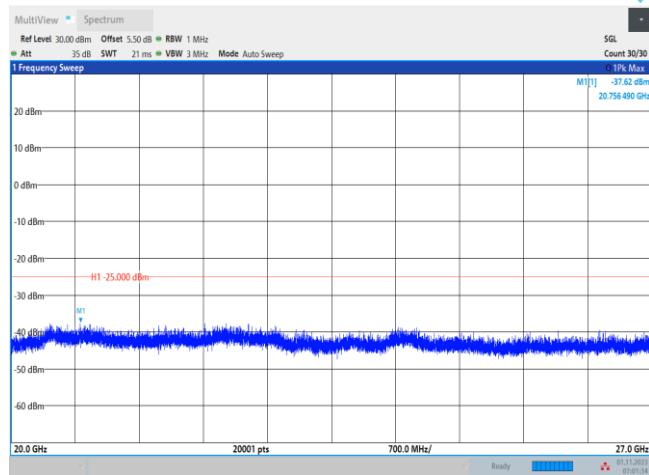
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Band7-20MHz-QPSK-21100-1RB#0-Range4:1000~20000MHz



07:01:28 01.11.2023

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



07:01:35 01.11.2023

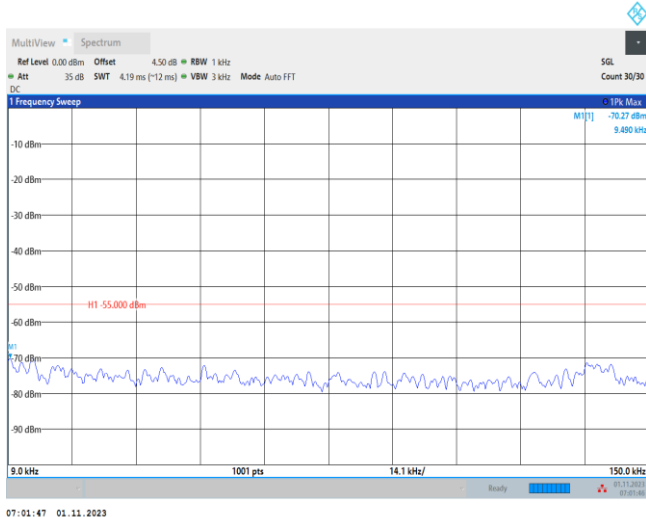


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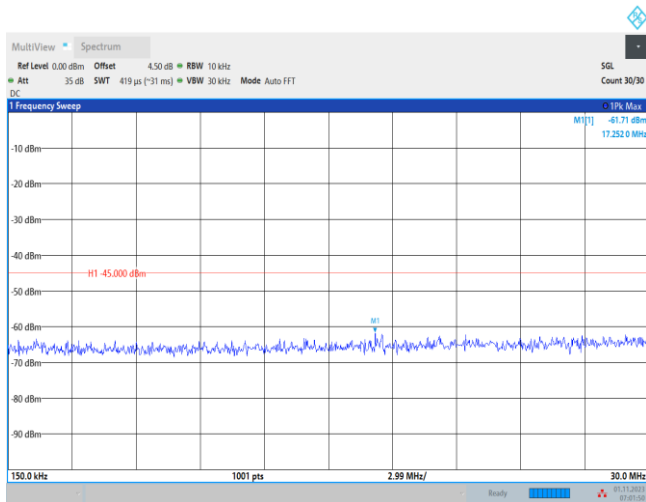
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Band7-20MHz-QPSK-21350-1RB#0-Range1:0.009~0.15MHz



07:01:47 01.11.2023

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



07:01:51 01.11.2023

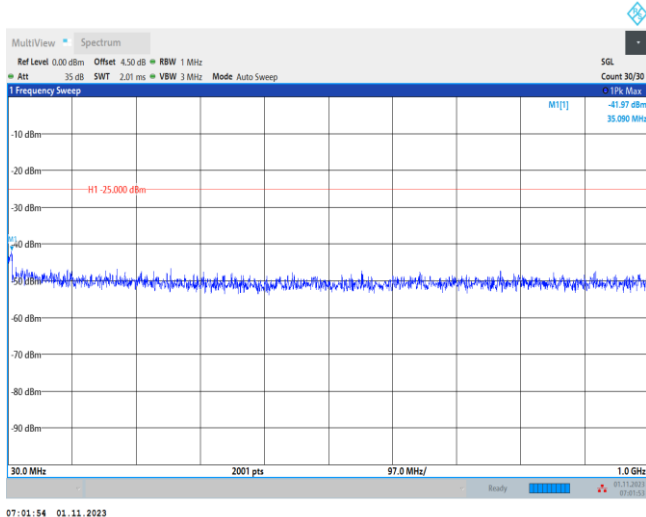


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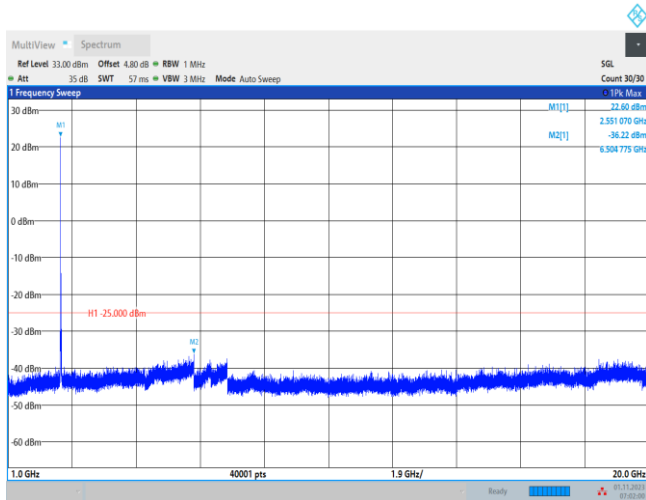
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Band7-20MHz-QPSK-21350-1RB#0-Range3:30~1000MHz



07:01:54 01.11.2023

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



07:02:01 01.11.2023

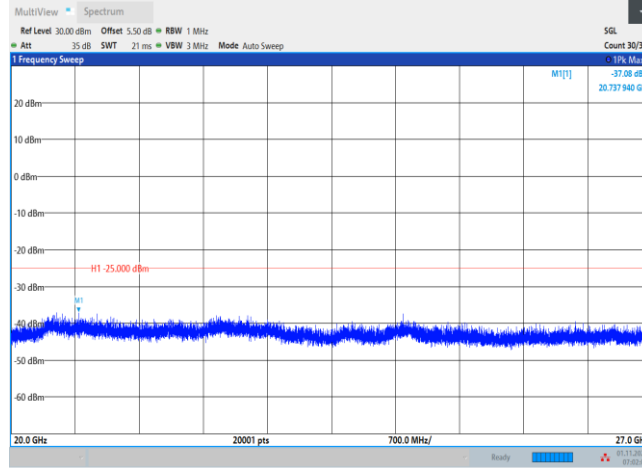


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Band7-20MHz-QPSK-21350-1RB#0-Range5:20000~27000MHz



07:02:08 01.11.2023



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Field Strength of Spurious Radiation

Test Band = LTE Band 7_ TM1

Test Channel = Low Channel

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	15006.5	50.05	-38.03	40.09	-43.15	-25.00	18.15	Horizontal
2	5002.18	71.09	-48.01	31.51	-40.67	-25.00	15.67	Horizontal
3	7503.27	58.58	-46.11	36.80	-46.00	-25.00	21.00	Horizontal
4	10004.36	62.85	-41.71	38.50	-35.61	-25.00	10.61	Horizontal
5	12505.45	52.87	-39.84	38.90	-43.33	-25.00	18.33	Horizontal
6	17507.63	41.48	-36.82	42.15	-48.45	-25.00	23.45	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	15006.5	55.89	-38.03	40.09	-37.31	-25.00	12.31	Vertical
2	5002.18	74.34	-48.01	31.51	-37.42	-25.00	12.42	Vertical
3	7503.27	56.95	-46.11	36.80	-47.63	-25.00	22.63	Vertical
4	10004.36	59.76	-41.71	38.50	-38.70	-25.00	13.70	Vertical
5	12505.45	48.93	-39.84	38.90	-47.27	-25.00	22.27	Vertical
6	17507.63	43.88	-36.82	42.15	-46.05	-25.00	21.05	Vertical



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

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t (86-512) 62992980 sgs.china@sgs.com

Test Band = LTE Band 7_ TM1

Test Channel = Mid Channel

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	5052	74.82	-47.91	31.62	-36.73	-25.00	11.73	Horizontal
2	15156.5	50.11	-37.43	39.80	-42.78	-25.00	17.78	Horizontal
3	17682.5	44.56	-37.64	43.27	-45.07	-25.00	20.07	Horizontal
4	7578.27	55.21	-44.91	36.71	-48.26	-25.00	23.26	Horizontal
5	10104.36	62.53	-41.88	38.59	-36.02	-25.00	11.02	Horizontal
6	12630.45	54.53	-39.08	38.82	-40.98	-25.00	15.98	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	5052	77.87	-47.91	31.62	-33.68	-25.00	8.68	Vertical
2	15156.5	55.74	-37.43	39.80	-37.15	-25.00	12.15	Vertical
3	7578.27	57.15	-44.91	36.71	-46.32	-25.00	21.32	Vertical
4	10104.36	59.98	-41.88	38.59	-38.57	-25.00	13.57	Vertical
5	12630.45	53.74	-39.08	38.82	-41.77	-25.00	16.77	Vertical
6	17682.63	45.43	-37.64	43.27	-44.20	-25.00	19.20	Vertical



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

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	15306.5	45.05	-37.87	39.52	-48.57	-25.00	23.57	Horizontal
2	5102.18	76.09	-47.82	31.75	-35.25	-25.00	10.25	Horizontal
3	7653.27	60.12	-44.91	36.62	-43.44	-25.00	18.44	Horizontal
4	10204.36	59.05	-42.10	38.68	-39.62	-25.00	14.62	Horizontal
5	12755.45	53.83	-39.29	38.75	-41.97	-25.00	16.97	Horizontal
6	17857.63	40.78	-36.85	44.39	-46.94	-25.00	21.94	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	5102	76.02	-47.82	31.74	-35.32	-25.00	10.32	Vertical
2	15306.5	48.09	-37.87	39.52	-45.53	-25.00	20.53	Vertical
3	17857.5	44.38	-36.86	44.39	-43.35	-25.00	18.35	Vertical
4	7653.27	57.91	-44.91	36.62	-45.65	-25.00	20.65	Vertical
5	10204.36	58.13	-42.10	38.68	-40.54	-25.00	15.54	Vertical
6	12755.45	52.29	-39.29	38.75	-43.51	-25.00	18.51	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	-4.40	-0.001736	PASS
Band7	20MHz	QPSK	21100	100RB#0	VN	NT	-1.80	-0.000710	PASS
Band7	20MHz	QPSK	21100	100RB#0	VH	NT	0.40	0.000158	PASS

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band7	20MHz	QPSK	21100	100RB#0	NV	-30	-3.20	-0.001262	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	-20	2.10	0.000828	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	-10	-0.10	-0.000039	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	0	0.70	0.000276	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	10	1.00	0.000394	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	20	0.00	0.000000	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	30	-6.30	-0.002485	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	40	6.00	0.002367	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	50	-0.80	-0.000316	PASS

---End of Attachment---



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