

# Appendix B.6

## LTE Band 7



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## Effective (Isotropic) Radiated Power Output Data

### Test Result

ANT31

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	EIRP(dBm)	Limit(dBm)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	22.74	19.74	33.00	PASS
Band7	5MHz	QPSK	20775	1RB#12	22.93	19.93	33.00	PASS
Band7	5MHz	QPSK	20775	1RB#24	22.77	19.77	33.00	PASS
Band7	5MHz	QPSK	20775	25RB#0	21.99	18.99	33.00	PASS
Band7	5MHz	QPSK	21100	1RB#0	22.59	19.59	33.00	PASS
Band7	5MHz	QPSK	21100	1RB#12	22.50	19.5	33.00	PASS
Band7	5MHz	QPSK	21100	1RB#24	22.67	19.67	33.00	PASS
Band7	5MHz	QPSK	21100	25RB#0	21.68	18.68	33.00	PASS
Band7	5MHz	QPSK	21425	1RB#0	22.70	19.7	33.00	PASS
Band7	5MHz	QPSK	21425	1RB#12	22.82	19.82	33.00	PASS
Band7	5MHz	QPSK	21425	1RB#24	22.77	19.77	33.00	PASS
Band7	5MHz	QPSK	21425	25RB#0	21.78	18.78	33.00	PASS
Band7	5MHz	16QAM	20775	1RB#0	22.03	19.03	33.00	PASS
Band7	5MHz	16QAM	20775	1RB#12	21.96	18.96	33.00	PASS
Band7	5MHz	16QAM	20775	1RB#24	22.05	19.05	33.00	PASS
Band7	5MHz	16QAM	20775	25RB#0	20.88	17.88	33.00	PASS
Band7	5MHz	16QAM	21100	1RB#0	22.11	19.11	33.00	PASS
Band7	5MHz	16QAM	21100	1RB#12	21.69	18.69	33.00	PASS
Band7	5MHz	16QAM	21100	1RB#24	21.91	18.91	33.00	PASS
Band7	5MHz	16QAM	21100	25RB#0	20.81	17.81	33.00	PASS
Band7	5MHz	16QAM	21425	1RB#0	21.76	18.76	33.00	PASS
Band7	5MHz	16QAM	21425	1RB#12	22.28	19.28	33.00	PASS
Band7	5MHz	16QAM	21425	1RB#24	22.24	19.24	33.00	PASS
Band7	5MHz	16QAM	21425	25RB#0	20.77	17.77	33.00	PASS
Band7	5MHz	64QAM	20775	1RB#0	21.08	18.08	33.00	PASS
Band7	5MHz	64QAM	20775	1RB#12	21.09	18.09	33.00	PASS
Band7	5MHz	64QAM	20775	1RB#24	21.16	18.16	33.00	PASS



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Band7	5MHz	64QAM	20775	25RB#0	19.98	16.98	33.00	PASS
Band7	5MHz	64QAM	21100	1RB#0	20.52	17.52	33.00	PASS
Band7	5MHz	64QAM	21100	1RB#12	20.78	17.78	33.00	PASS
Band7	5MHz	64QAM	21100	1RB#24	20.95	17.95	33.00	PASS
Band7	5MHz	64QAM	21100	25RB#0	19.68	16.68	33.00	PASS
Band7	5MHz	64QAM	21425	1RB#0	20.67	17.67	33.00	PASS
Band7	5MHz	64QAM	21425	1RB#12	20.81	17.81	33.00	PASS
Band7	5MHz	64QAM	21425	1RB#24	20.86	17.86	33.00	PASS
Band7	5MHz	64QAM	21425	25RB#0	19.82	16.82	33.00	PASS
Band7	10MHz	QPSK	20800	1RB#0	22.78	19.78	33.00	PASS
Band7	10MHz	QPSK	20800	1RB#24	22.81	19.81	33.00	PASS
Band7	10MHz	QPSK	20800	1RB#49	22.77	19.77	33.00	PASS
Band7	10MHz	QPSK	20800	50RB#0	21.93	18.93	33.00	PASS
Band7	10MHz	QPSK	21100	1RB#0	22.59	19.59	33.00	PASS
Band7	10MHz	QPSK	21100	1RB#24	22.81	19.81	33.00	PASS
Band7	10MHz	QPSK	21100	1RB#49	22.71	19.71	33.00	PASS
Band7	10MHz	QPSK	21100	50RB#0	21.75	18.75	33.00	PASS
Band7	10MHz	QPSK	21400	1RB#0	22.53	19.53	33.00	PASS
Band7	10MHz	QPSK	21400	1RB#24	22.65	19.65	33.00	PASS
Band7	10MHz	QPSK	21400	1RB#49	22.69	19.69	33.00	PASS
Band7	10MHz	QPSK	21400	50RB#0	21.77	18.77	33.00	PASS
Band7	10MHz	16QAM	20800	1RB#0	22.08	19.08	33.00	PASS
Band7	10MHz	16QAM	20800	1RB#24	22.00	19	33.00	PASS
Band7	10MHz	16QAM	20800	1RB#49	22.30	19.3	33.00	PASS
Band7	10MHz	16QAM	20800	50RB#0	21.00	18	33.00	PASS
Band7	10MHz	16QAM	21100	1RB#0	21.76	18.76	33.00	PASS
Band7	10MHz	16QAM	21100	1RB#24	22.00	19	33.00	PASS
Band7	10MHz	16QAM	21100	1RB#49	22.02	19.02	33.00	PASS
Band7	10MHz	16QAM	21100	50RB#0	20.81	17.81	33.00	PASS
Band7	10MHz	16QAM	21400	1RB#0	21.99	18.99	33.00	PASS
Band7	10MHz	16QAM	21400	1RB#24	21.92	18.92	33.00	PASS
Band7	10MHz	16QAM	21400	1RB#49	22.18	19.18	33.00	PASS



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Band7	10MHz	16QAM	21400	50RB#0	20.79	17.79	33.00	PASS
Band7	10MHz	64QAM	20800	1RB#0	21.05	18.05	33.00	PASS
Band7	10MHz	64QAM	20800	1RB#24	20.95	17.95	33.00	PASS
Band7	10MHz	64QAM	20800	1RB#49	21.06	18.06	33.00	PASS
Band7	10MHz	64QAM	20800	50RB#0	19.97	16.97	33.00	PASS
Band7	10MHz	64QAM	21100	1RB#0	20.76	17.76	33.00	PASS
Band7	10MHz	64QAM	21100	1RB#24	21.01	18.01	33.00	PASS
Band7	10MHz	64QAM	21100	1RB#49	20.98	17.98	33.00	PASS
Band7	10MHz	64QAM	21100	50RB#0	19.74	16.74	33.00	PASS
Band7	10MHz	64QAM	21400	1RB#0	20.84	17.84	33.00	PASS
Band7	10MHz	64QAM	21400	1RB#24	20.92	17.92	33.00	PASS
Band7	10MHz	64QAM	21400	1RB#49	21.11	18.11	33.00	PASS
Band7	10MHz	64QAM	21400	50RB#0	19.67	16.67	33.00	PASS
Band7	15MHz	QPSK	20825	1RB#0	22.51	19.51	33.00	PASS
Band7	15MHz	QPSK	20825	1RB#38	22.53	19.53	33.00	PASS
Band7	15MHz	QPSK	20825	1RB#74	22.55	19.55	33.00	PASS
Band7	15MHz	QPSK	20825	75RB#0	21.74	18.74	33.00	PASS
Band7	15MHz	QPSK	21100	1RB#0	22.31	19.31	33.00	PASS
Band7	15MHz	QPSK	21100	1RB#38	22.47	19.47	33.00	PASS
Band7	15MHz	QPSK	21100	1RB#74	22.49	19.49	33.00	PASS
Band7	15MHz	QPSK	21100	75RB#0	21.61	18.61	33.00	PASS
Band7	15MHz	QPSK	21375	1RB#0	22.41	19.41	33.00	PASS
Band7	15MHz	QPSK	21375	1RB#38	22.52	19.52	33.00	PASS
Band7	15MHz	QPSK	21375	1RB#74	22.53	19.53	33.00	PASS
Band7	15MHz	QPSK	21375	75RB#0	21.59	18.59	33.00	PASS
Band7	15MHz	16QAM	20825	1RB#0	21.99	18.99	33.00	PASS
Band7	15MHz	16QAM	20825	1RB#38	21.97	18.97	33.00	PASS
Band7	15MHz	16QAM	20825	1RB#74	21.78	18.78	33.00	PASS
Band7	15MHz	16QAM	20825	75RB#0	20.78	17.78	33.00	PASS
Band7	15MHz	16QAM	21100	1RB#0	21.57	18.57	33.00	PASS
Band7	15MHz	16QAM	21100	1RB#38	21.96	18.96	33.00	PASS
Band7	15MHz	16QAM	21100	1RB#74	21.98	18.98	33.00	PASS



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Band7	15MHz	16QAM	21100	75RB#0	20.60	17.6	33.00	PASS
Band7	15MHz	16QAM	21375	1RB#0	21.87	18.87	33.00	PASS
Band7	15MHz	16QAM	21375	1RB#38	21.91	18.91	33.00	PASS
Band7	15MHz	16QAM	21375	1RB#74	21.88	18.88	33.00	PASS
Band7	15MHz	16QAM	21375	75RB#0	20.49	17.49	33.00	PASS
Band7	15MHz	64QAM	20825	1RB#0	20.74	17.74	33.00	PASS
Band7	15MHz	64QAM	20825	1RB#38	20.85	17.85	33.00	PASS
Band7	15MHz	64QAM	20825	1RB#74	20.40	17.4	33.00	PASS
Band7	15MHz	64QAM	20825	75RB#0	19.80	16.8	33.00	PASS
Band7	15MHz	64QAM	21100	1RB#0	20.64	17.64	33.00	PASS
Band7	15MHz	64QAM	21100	1RB#38	20.62	17.62	33.00	PASS
Band7	15MHz	64QAM	21100	1RB#74	20.71	17.71	33.00	PASS
Band7	15MHz	64QAM	21100	75RB#0	19.63	16.63	33.00	PASS
Band7	15MHz	64QAM	21375	1RB#0	20.56	17.56	33.00	PASS
Band7	15MHz	64QAM	21375	1RB#38	20.65	17.65	33.00	PASS
Band7	15MHz	64QAM	21375	1RB#74	20.60	17.6	33.00	PASS
Band7	15MHz	64QAM	21375	75RB#0	19.57	16.57	33.00	PASS
Band7	20MHz	QPSK	20850	1RB#0	22.52	19.52	33.00	PASS
Band7	20MHz	QPSK	20850	1RB#49	22.44	19.44	33.00	PASS
Band7	20MHz	QPSK	20850	1RB#99	22.43	19.43	33.00	PASS
Band7	20MHz	QPSK	20850	100RB#0	21.76	18.76	33.00	PASS
Band7	20MHz	QPSK	21100	1RB#0	22.36	19.36	33.00	PASS
Band7	20MHz	QPSK	21100	1RB#49	22.47	19.47	33.00	PASS
Band7	20MHz	QPSK	21100	1RB#99	22.46	19.46	33.00	PASS
Band7	20MHz	QPSK	21100	100RB#0	21.59	18.59	33.00	PASS
Band7	20MHz	QPSK	21350	1RB#0	22.43	19.43	33.00	PASS
Band7	20MHz	QPSK	21350	1RB#49	22.42	19.42	33.00	PASS
Band7	20MHz	QPSK	21350	1RB#99	22.53	19.53	33.00	PASS
Band7	20MHz	QPSK	21350	100RB#0	21.63	18.63	33.00	PASS
Band7	20MHz	16QAM	20850	1RB#0	21.85	18.85	33.00	PASS
Band7	20MHz	16QAM	20850	1RB#49	21.87	18.87	33.00	PASS
Band7	20MHz	16QAM	20850	1RB#99	21.92	18.92	33.00	PASS



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Band7	20MHz	16QAM	20850	100RB#0	20.72	17.72	33.00	PASS
Band7	20MHz	16QAM	21100	1RB#0	21.67	18.67	33.00	PASS
Band7	20MHz	16QAM	21100	1RB#49	21.81	18.81	33.00	PASS
Band7	20MHz	16QAM	21100	1RB#99	21.75	18.75	33.00	PASS
Band7	20MHz	16QAM	21100	100RB#0	20.66	17.66	33.00	PASS
Band7	20MHz	16QAM	21350	1RB#0	21.71	18.71	33.00	PASS
Band7	20MHz	16QAM	21350	1RB#49	21.70	18.7	33.00	PASS
Band7	20MHz	16QAM	21350	1RB#99	21.94	18.94	33.00	PASS
Band7	20MHz	16QAM	21350	100RB#0	20.60	17.6	33.00	PASS
Band7	20MHz	64QAM	20850	1RB#0	20.82	17.82	33.00	PASS
Band7	20MHz	64QAM	20850	1RB#49	20.77	17.77	33.00	PASS
Band7	20MHz	64QAM	20850	1RB#99	20.68	17.68	33.00	PASS
Band7	20MHz	64QAM	20850	100RB#0	19.73	16.73	33.00	PASS
Band7	20MHz	64QAM	21100	1RB#0	20.61	17.61	33.00	PASS
Band7	20MHz	64QAM	21100	1RB#49	20.69	17.69	33.00	PASS
Band7	20MHz	64QAM	21100	1RB#99	20.64	17.64	33.00	PASS
Band7	20MHz	64QAM	21100	100RB#0	19.57	16.57	33.00	PASS
Band7	20MHz	64QAM	21350	1RB#0	20.53	17.53	33.00	PASS
Band7	20MHz	64QAM	21350	1RB#49	20.78	17.78	33.00	PASS
Band7	20MHz	64QAM	21350	1RB#99	20.70	17.7	33.00	PASS
Band7	20MHz	64QAM	21350	100RB#0	19.60	16.6	33.00	PASS



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## Peak-to-Average Ratio(CCDF)

### Test Result

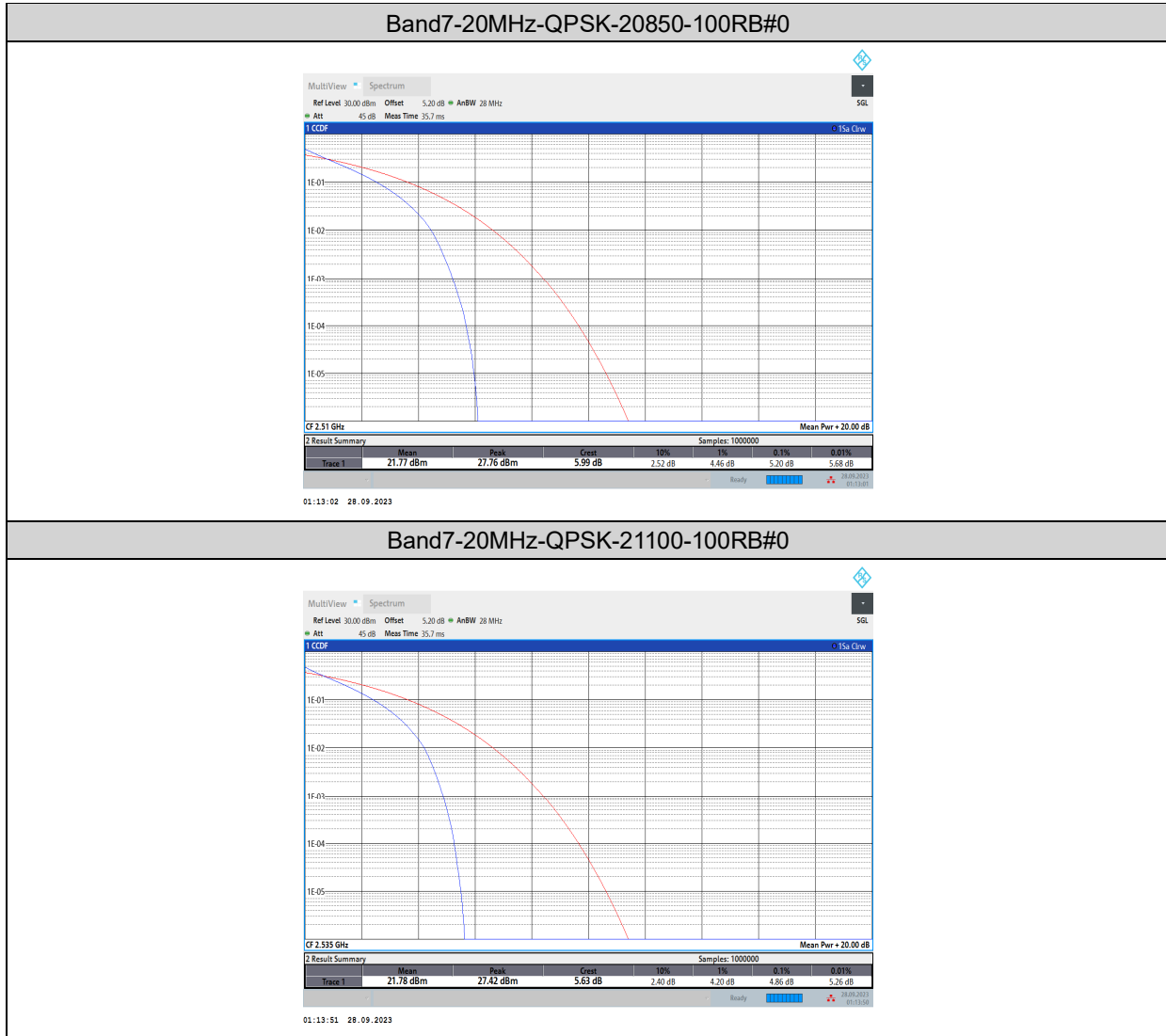
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band7	20MHz	QPSK	20850	100RB#0	5.20	13	PASS
Band7	20MHz	QPSK	21100	100RB#0	4.86	13	PASS
Band7	20MHz	QPSK	21350	100RB#0	4.78	13	PASS
Band7	20MHz	16QAM	20850	100RB#0	5.96	13	PASS
Band7	20MHz	16QAM	21100	100RB#0	5.74	13	PASS
Band7	20MHz	16QAM	21350	100RB#0	5.66	13	PASS
Band7	20MHz	64QAM	20850	100RB#0	6.66	13	PASS
Band7	20MHz	64QAM	21100	100RB#0	6.54	13	PASS
Band7	20MHz	64QAM	21350	100RB#0	6.44	13	PASS



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Test Graphs



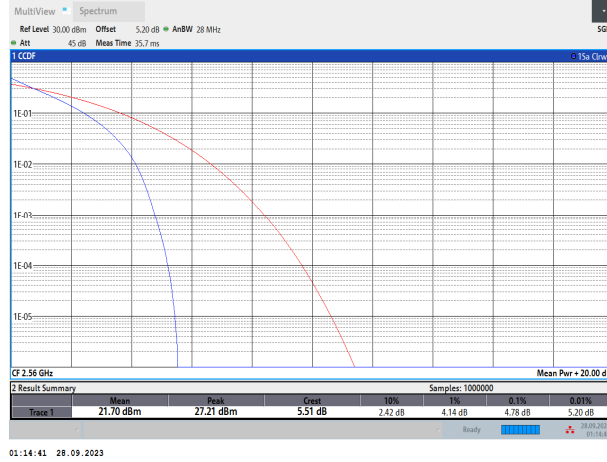
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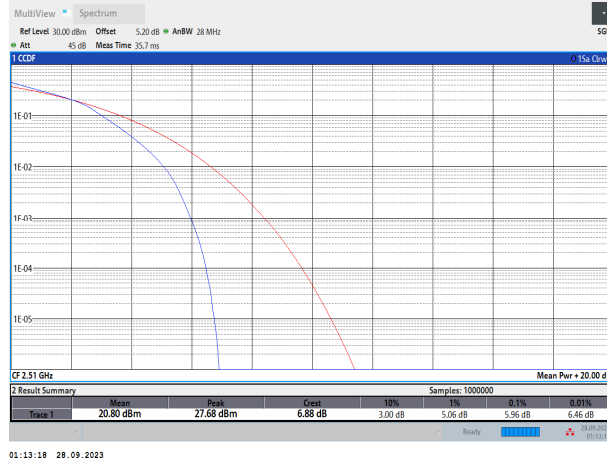
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Band7-20MHz-QPSK-21350-100RB#0



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

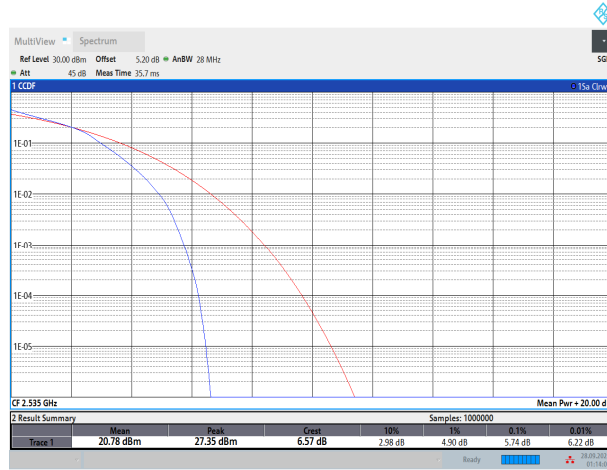


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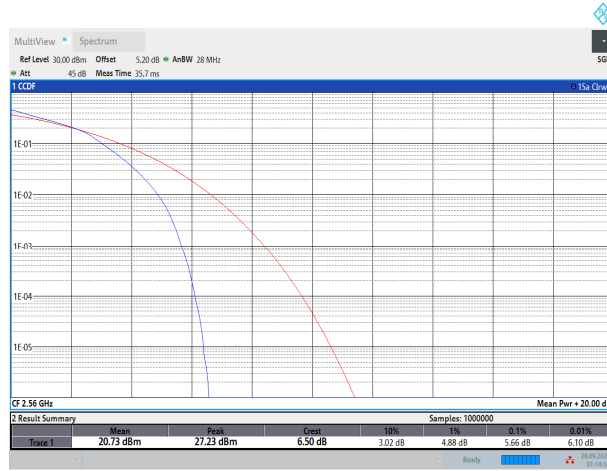
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Band7-20MHz-16QAM-21100-100RB#0



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



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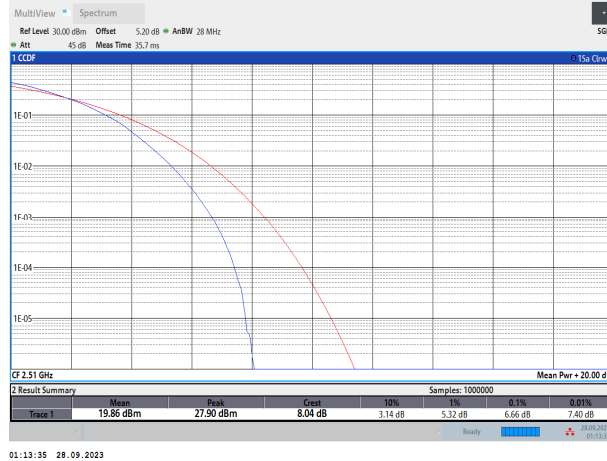


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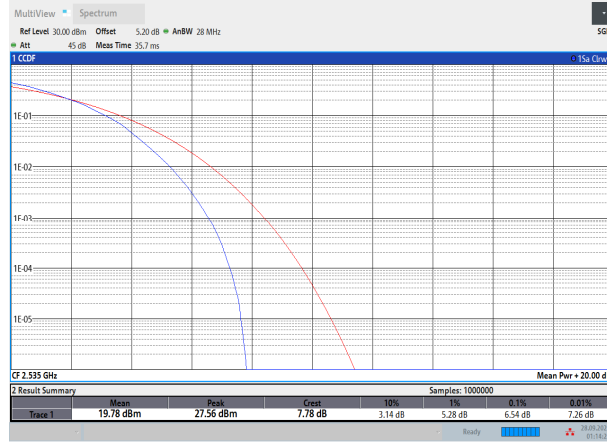
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Band7-20MHz-64QAM-20850-100RB#0



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



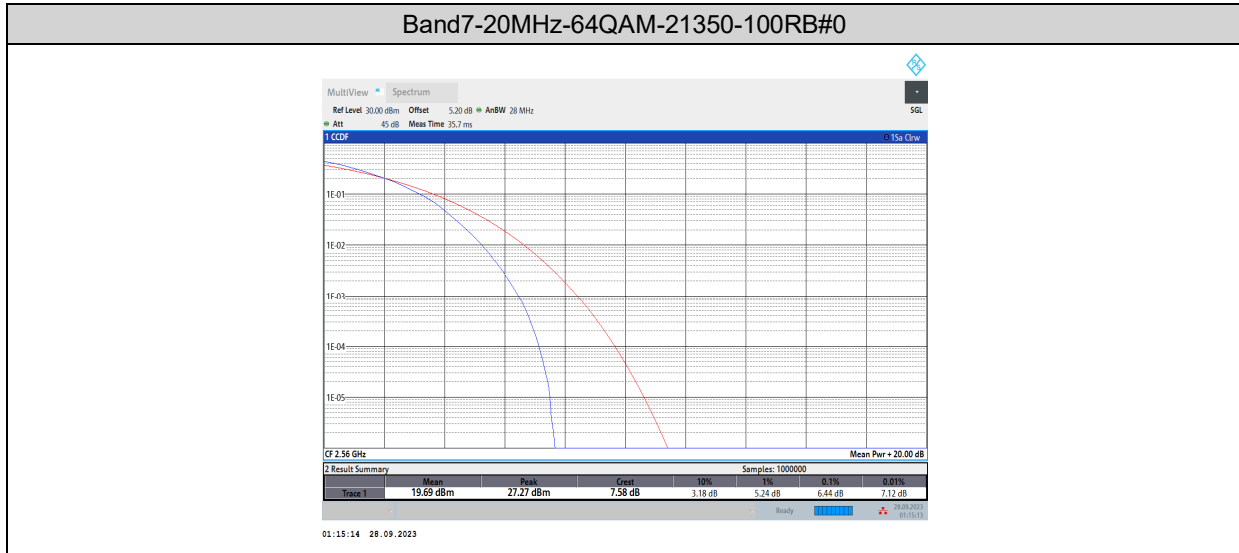
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## 26dB Bandwidth and Occupied Bandwidth

### Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band7	5MHz	QPSK	21100	25RB#0	4.481	5.06	PASS
Band7	5MHz	16QAM	21100	25RB#0	4.481	5.03	PASS
Band7	5MHz	64QAM	21100	25RB#0	4.482	5.09	PASS
Band7	10MHz	QPSK	21100	50RB#0	8.941	9.90	PASS
Band7	10MHz	16QAM	21100	50RB#0	8.957	9.82	PASS
Band7	10MHz	64QAM	21100	50RB#0	8.946	10.00	PASS
Band7	15MHz	QPSK	21100	75RB#0	13.483	15.03	PASS
Band7	15MHz	16QAM	21100	75RB#0	13.502	15.03	PASS
Band7	15MHz	64QAM	21100	75RB#0	13.479	15.03	PASS
Band7	20MHz	QPSK	21100	100RB#0	17.92	19.60	PASS
Band7	20MHz	16QAM	21100	100RB#0	17.913	19.76	PASS
Band7	20MHz	64QAM	21100	100RB#0	17.919	19.80	PASS



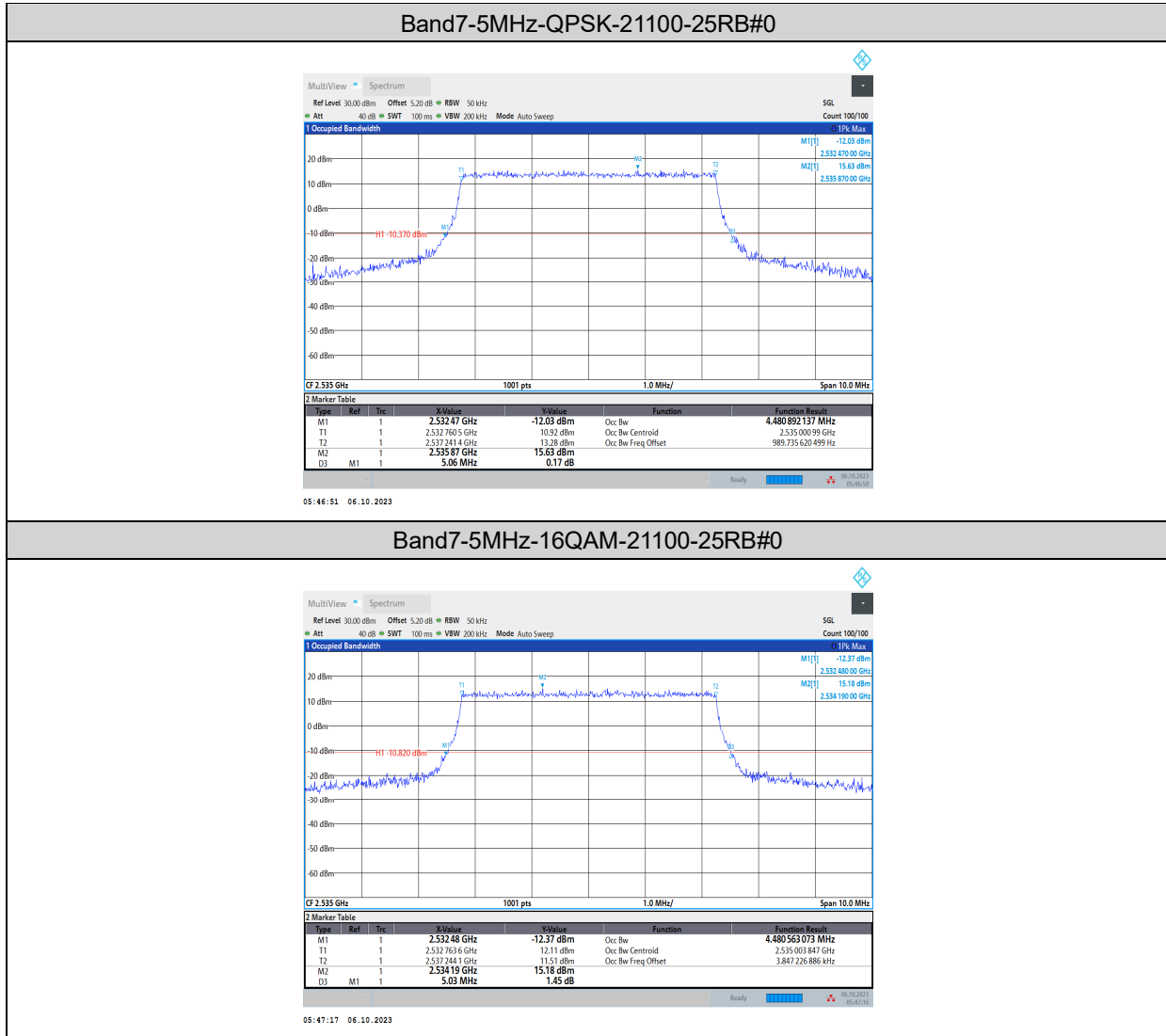
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Test Graphs

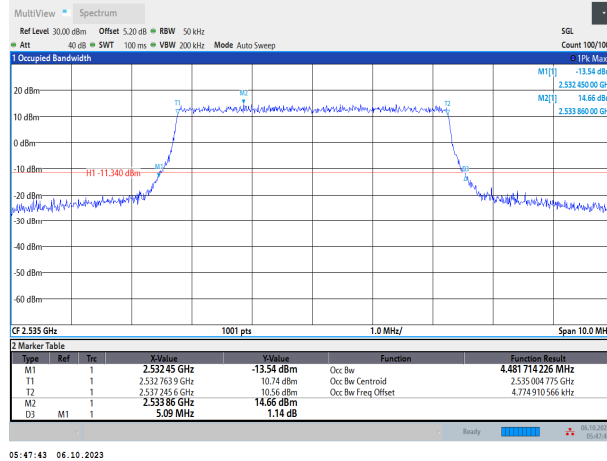


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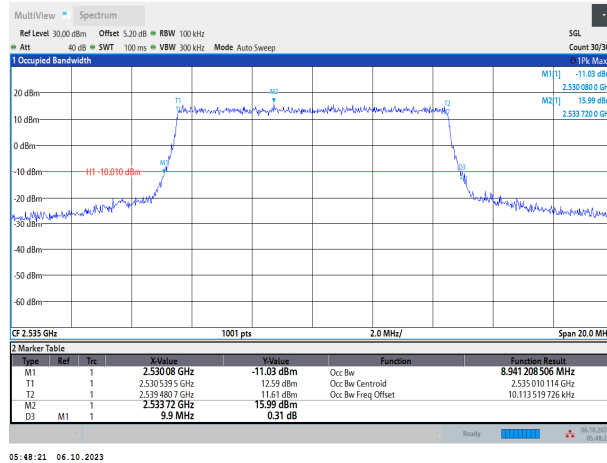
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Band7-5MHz-64QAM-21100-25RB#0



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

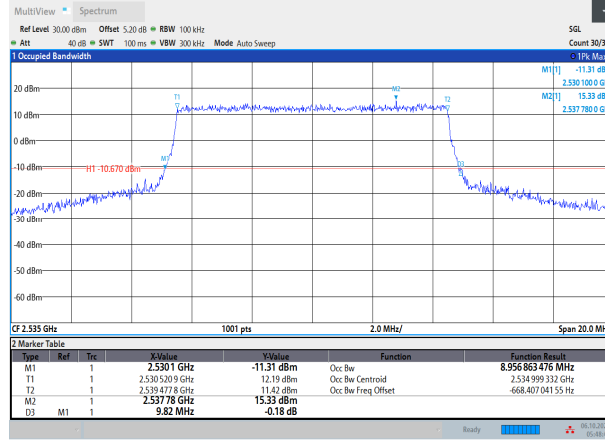


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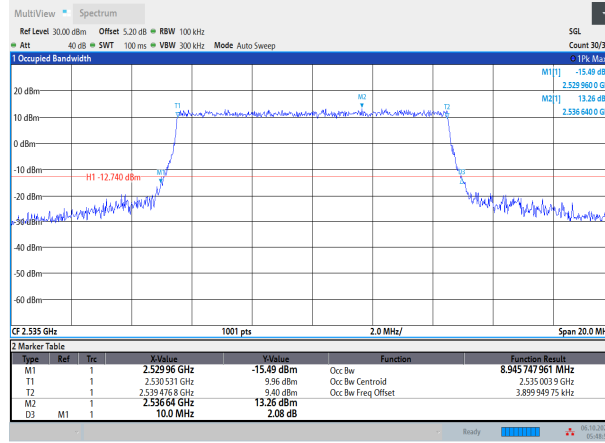
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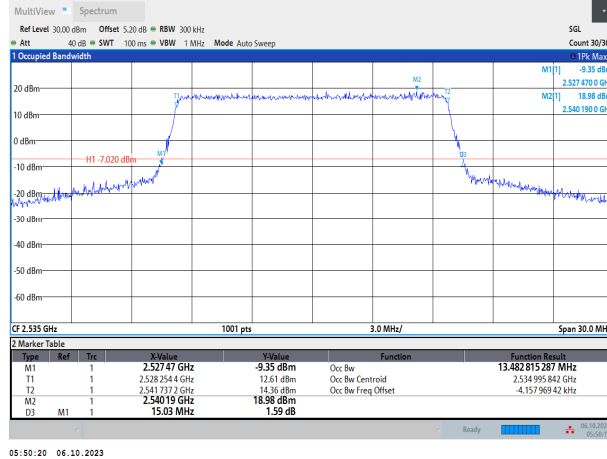


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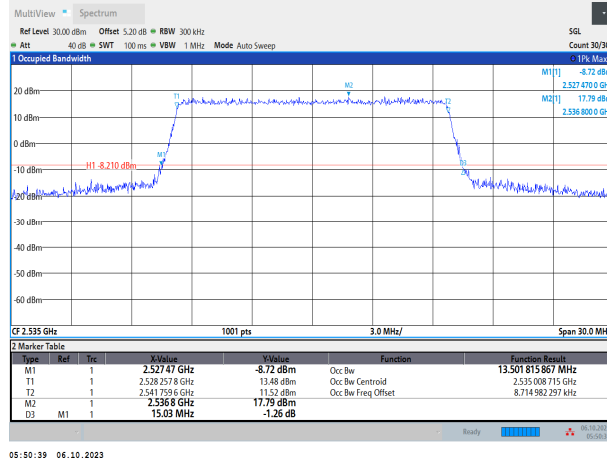
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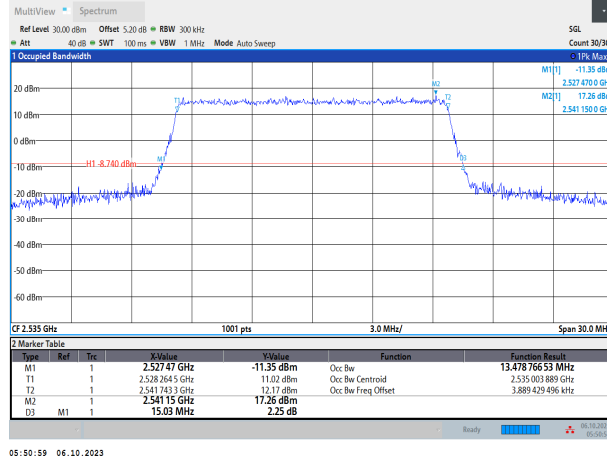


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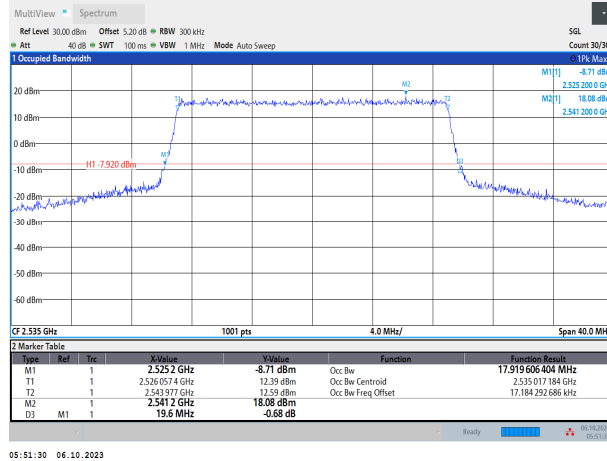
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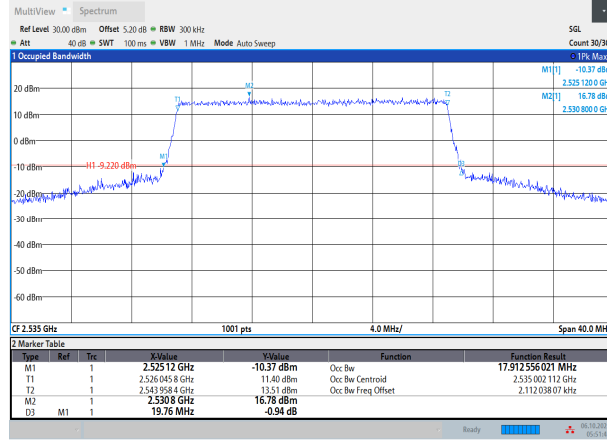
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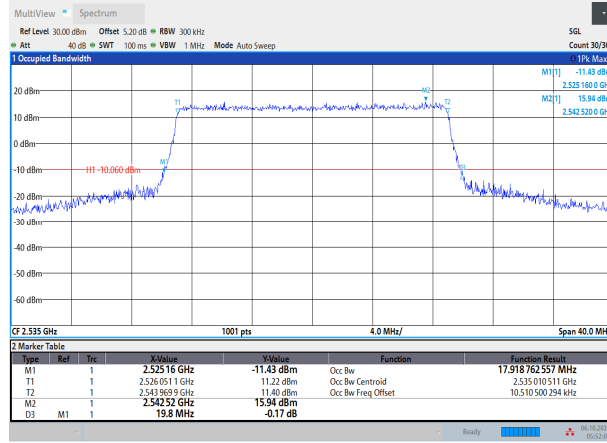
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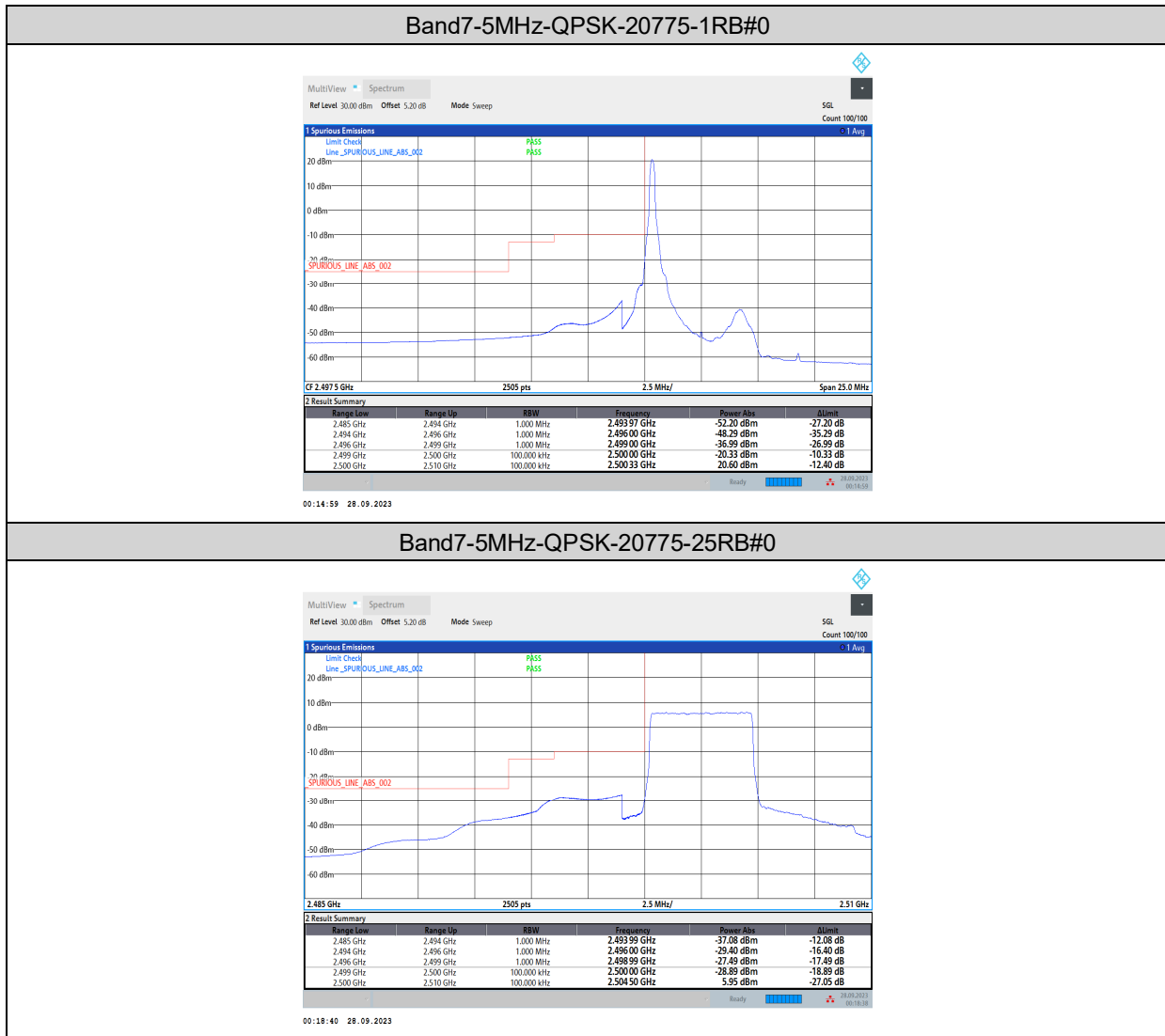
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## Band Edge

## Test Graphs

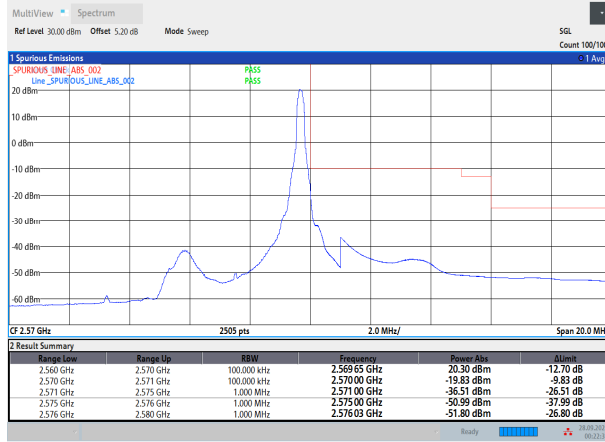


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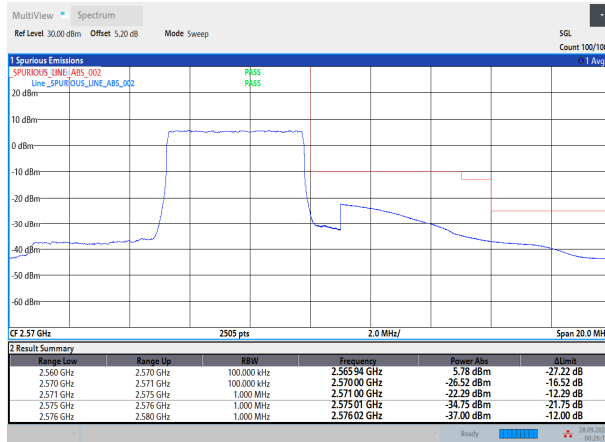
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Band7-5MHz-QPSK-21425-1RB#24



00:22:38 28.09.2023

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



00:26:19 28.09.2023

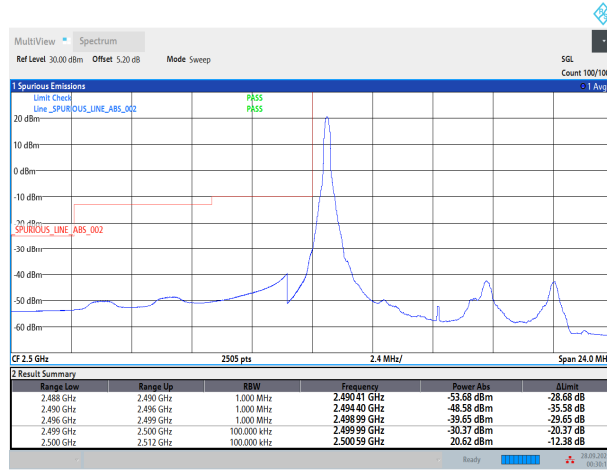


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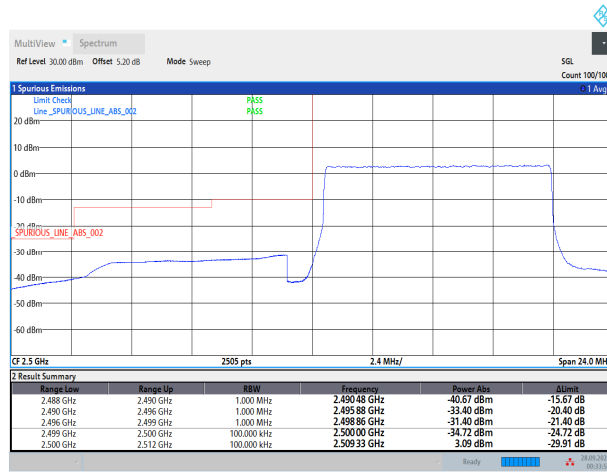
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Band7-10MHz-QPSK-20800-1RB#0



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



00:33:58 28.09.2023

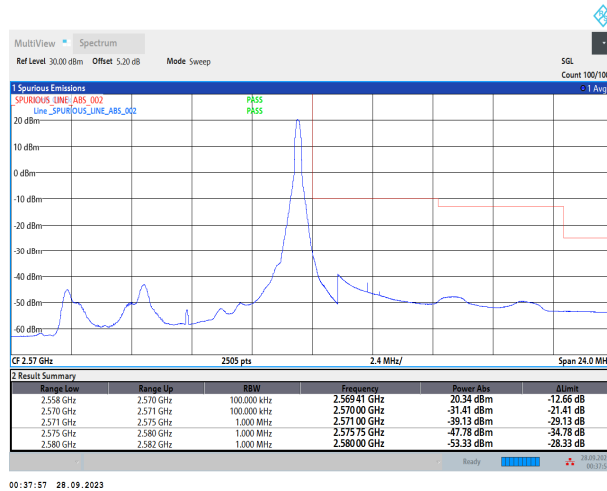


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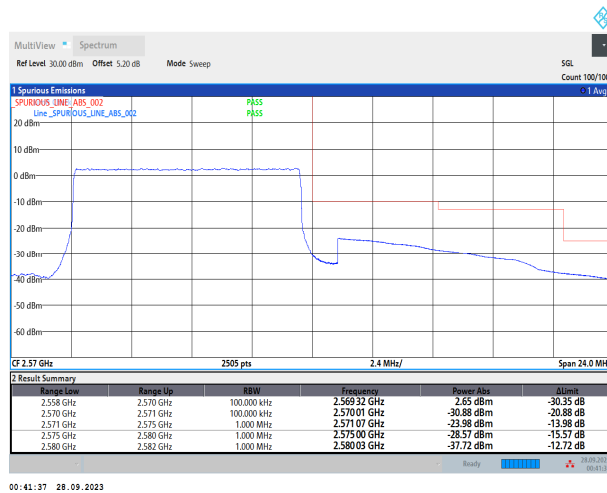
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Band7-10MHz-QPSK-21400-1RB#49



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



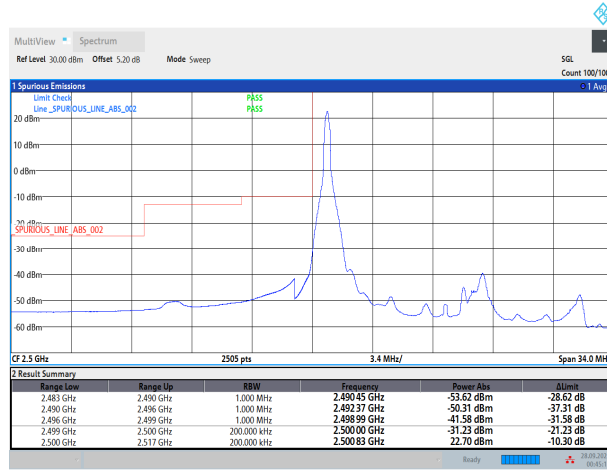
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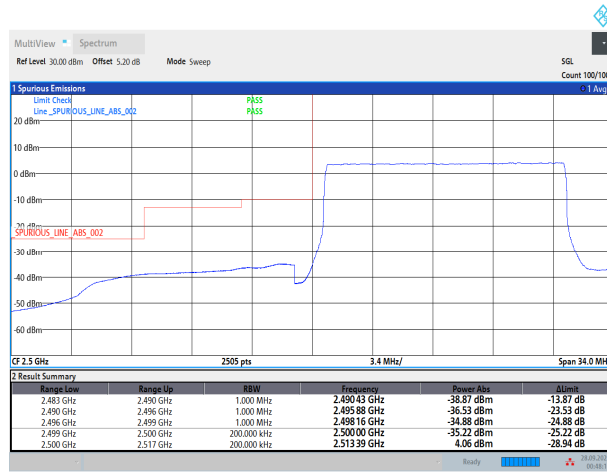


Band7-15MHz-QPSK-20825-1RB#0



00:45:17 28.09.2023

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00:48:16 28.09.2023

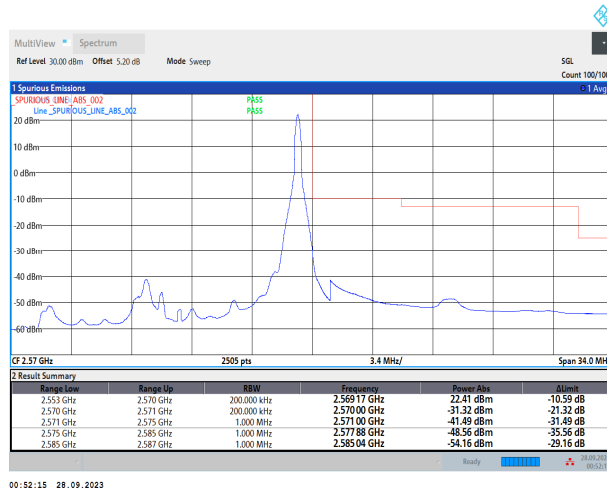


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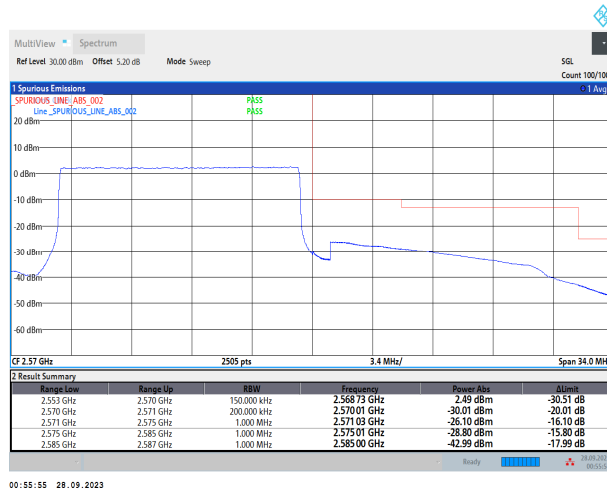
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Band7-15MHz-QPSK-21375-1RB#74



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

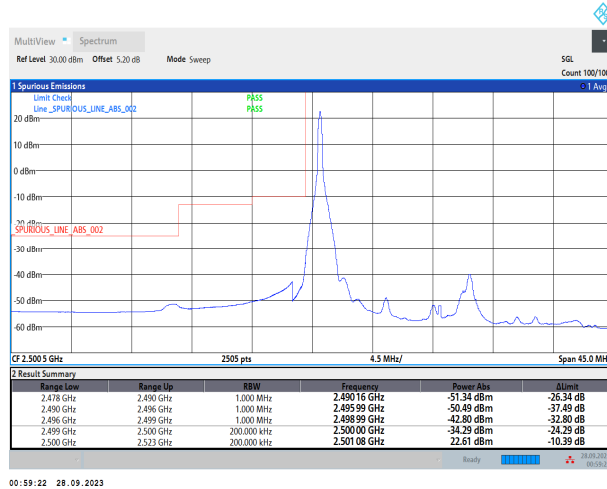


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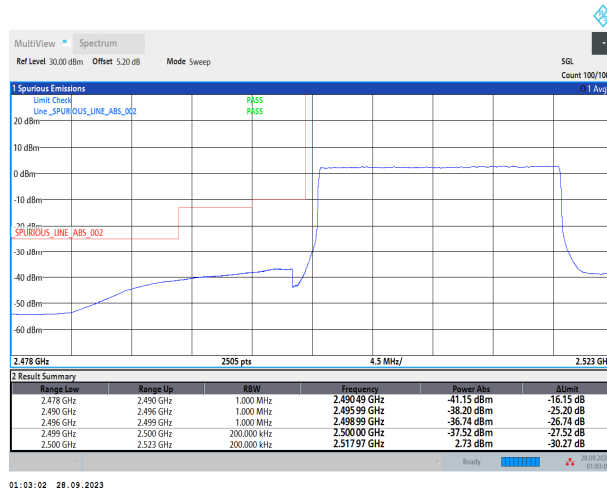
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Band7-20MHz-QPSK-20850-1RB#0



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

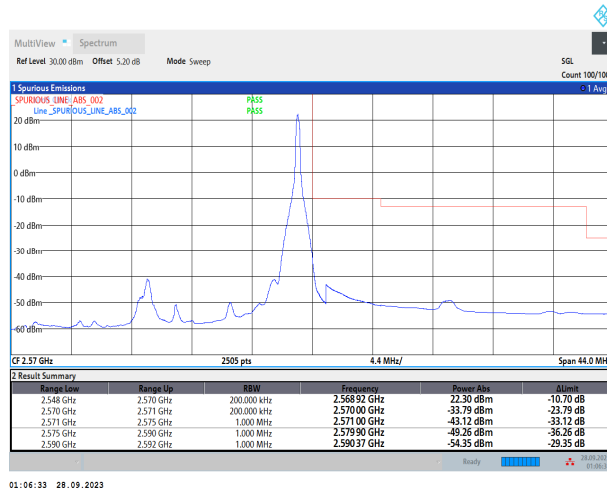


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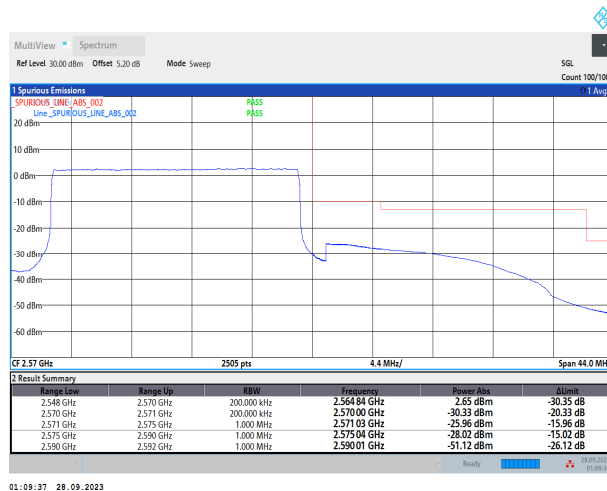
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Band7-20MHz-QPSK-21350-1RB#99



01:04:33 28.09.2023

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



01:09:37 28.09.2023



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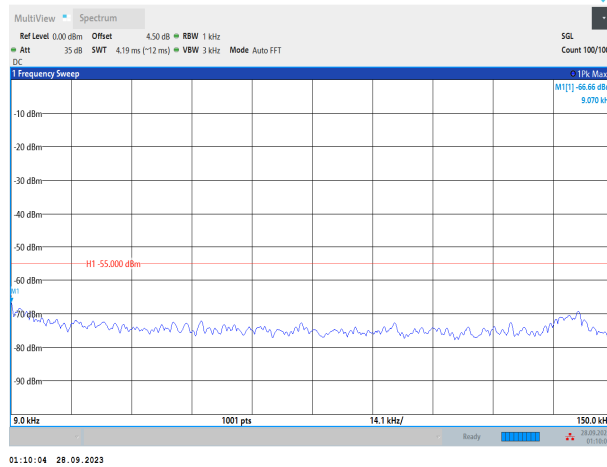
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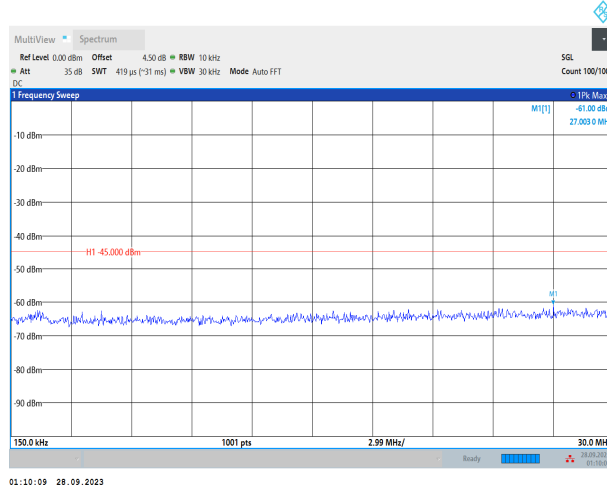
## Conducted Spurious Emission

### Test Graphs

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



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

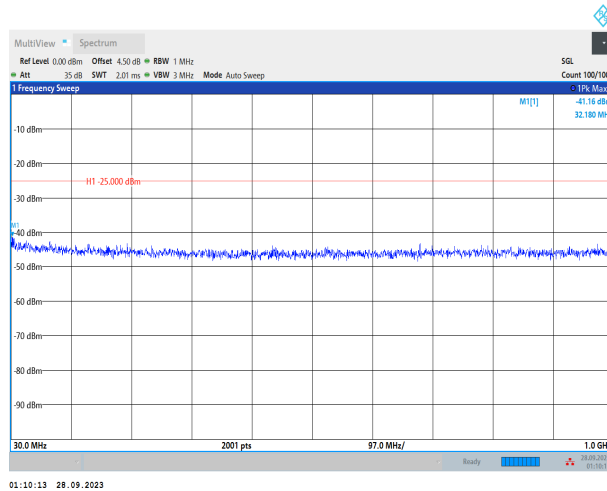


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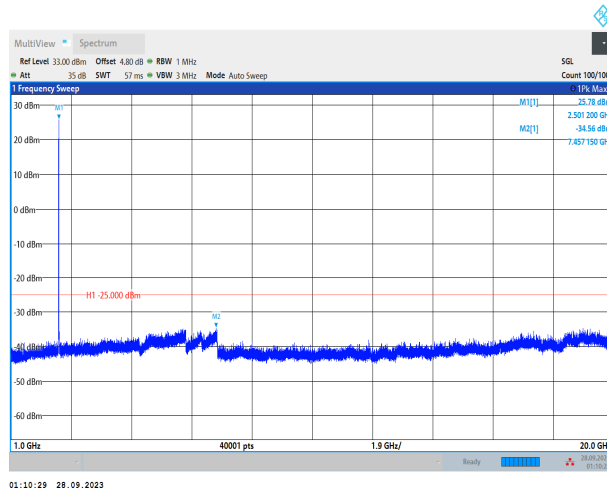
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Band7-20MHz-QPSK-20850-1RB#0-Range3:30~1000MHz



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

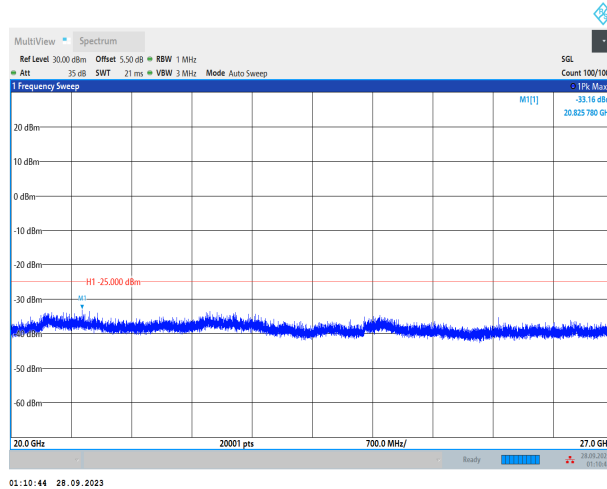


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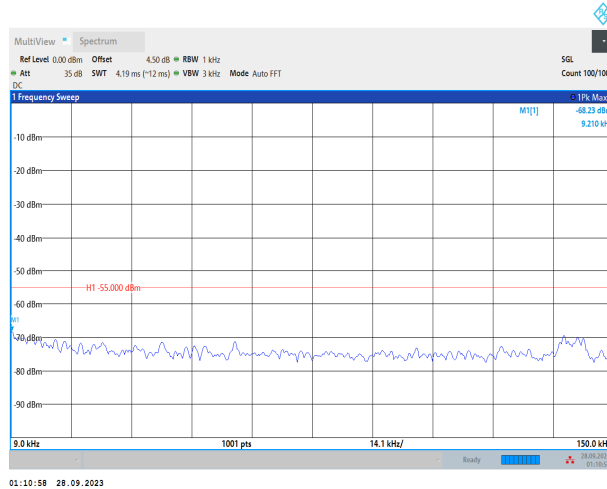
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Band7-20MHz-QPSK-20850-1RB#0-Range5:20000~27000MHz



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

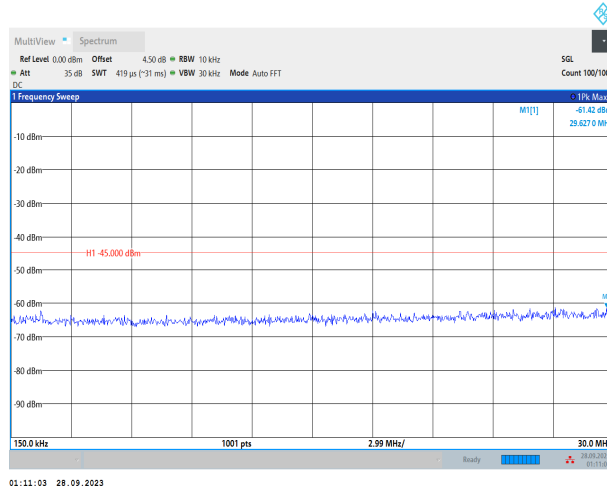


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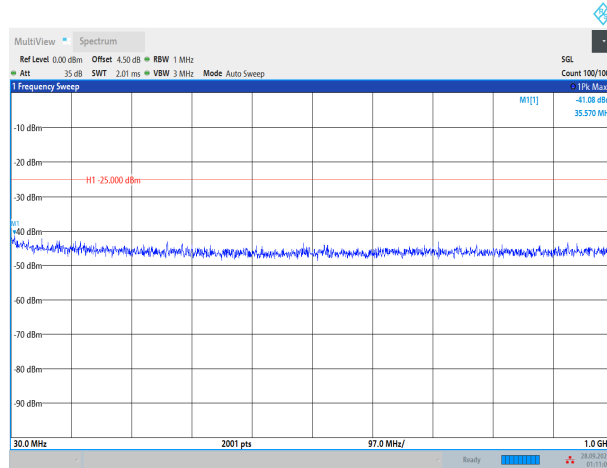
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Band7-20MHz-QPSK-21100-1RB#0-Range2:0.15~30MHz



01:11:03 28.09.2023

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



01:11:07 28.09.2023

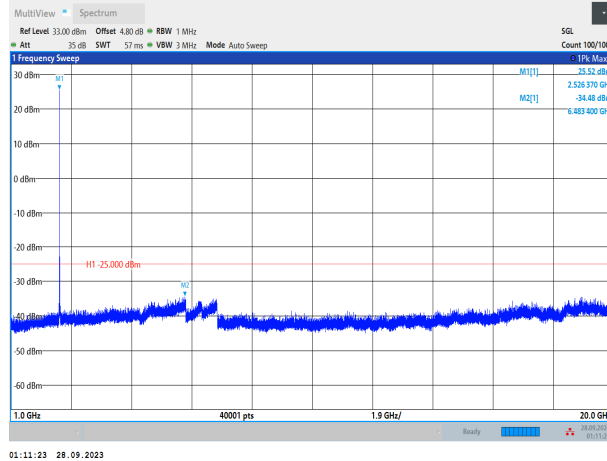


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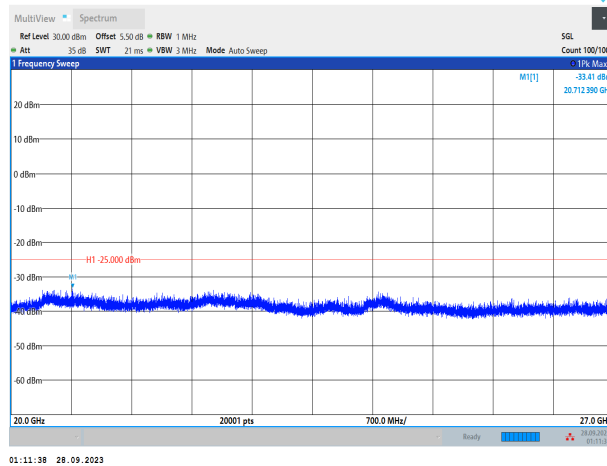
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Band7-20MHz-QPSK-21100-1RB#0-Range4:1000~20000MHz



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

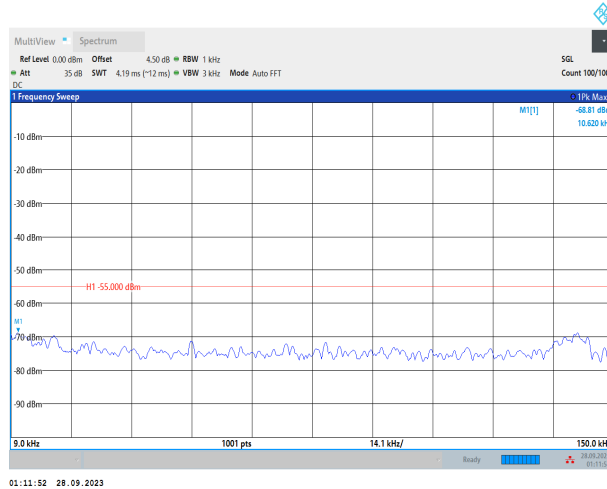


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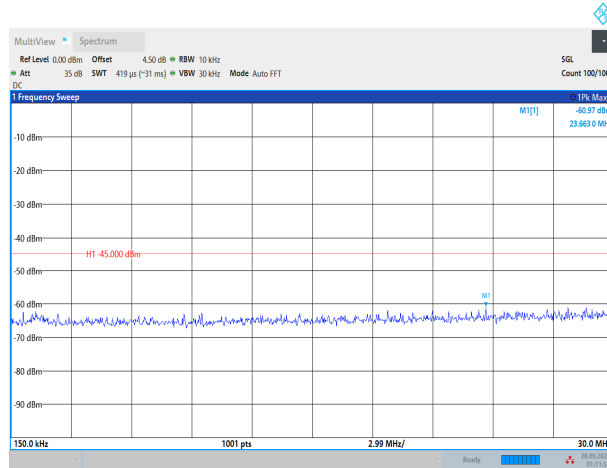
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Band7-20MHz-QPSK-21350-1RB#0-Range1:0.009~0.15MHz



01:11:52 28.09.2023

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



01:11:57 28.09.2023

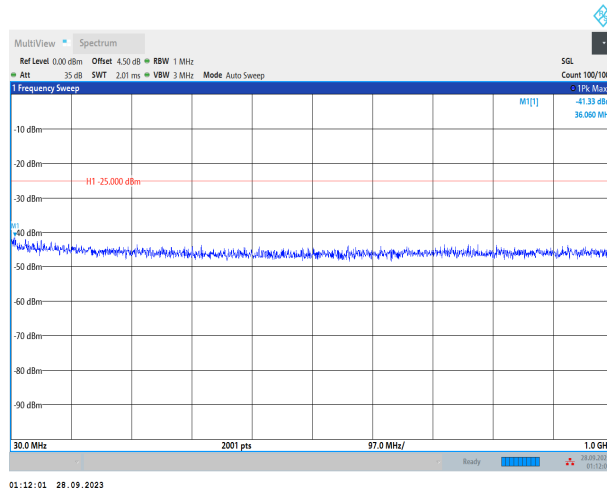


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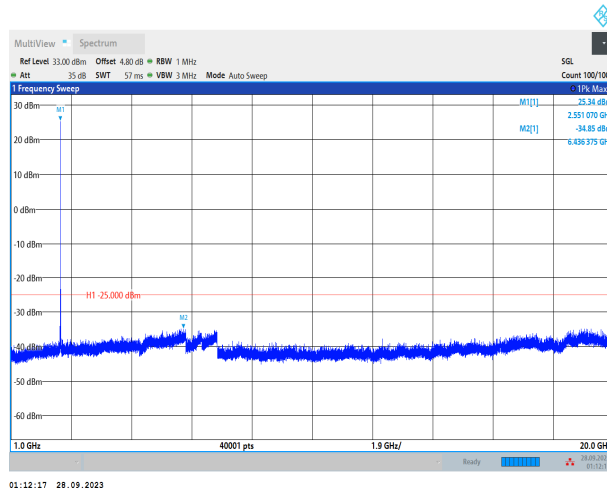
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Band7-20MHz-QPSK-21350-1RB#0-Range3:30~1000MHz



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

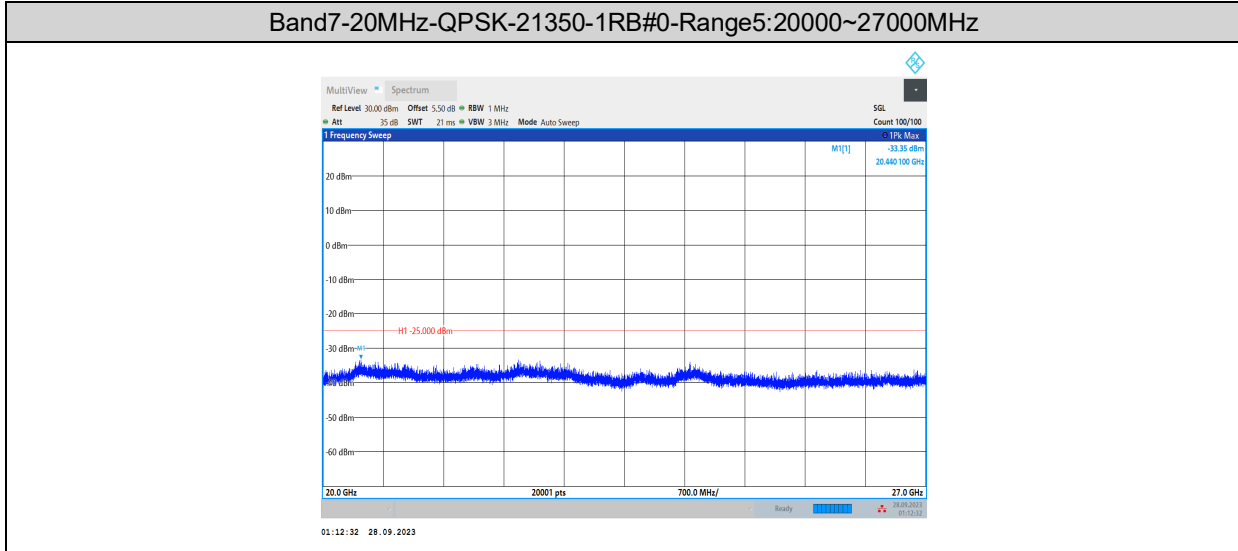


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Band7-20MHz-QPSK-21350-1RB#0-Range5:20000~27000MHz



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## Field Strength of Spurious Radiation

Test Band = LTE Band7\_ TM1

Test Channel = Low

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	5002.1800	41.12	-45.63	31.41	-68.37	-25.00	43.37	Horizontal
2	7503.2700	37.90	-43.13	36.60	-63.89	-25.00	38.89	Horizontal
3	10004.3600	32.12	-39.23	38.20	-64.17	-25.00	39.17	Horizontal
4	12505.4500	26.40	-36.99	38.95	-66.90	-25.00	41.90	Horizontal
5	15006.5400	24.77	-34.65	41.29	-63.86	-25.00	38.86	Horizontal
6	17507.6300	26.80	-34.95	44.59	-58.82	-25.00	33.82	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	5002.1800	40.69	-45.63	31.41	-68.80	-25.00	43.80	Vertical
2	7503.2700	37.80	-43.13	36.60	-63.99	-25.00	38.99	Vertical
3	10004.3600	32.34	-39.23	38.20	-63.95	-25.00	38.95	Vertical
4	12505.4500	25.77	-36.99	38.95	-67.53	-25.00	42.53	Vertical
5	15006.5400	24.02	-34.65	41.29	-64.61	-25.00	39.61	Vertical
6	17507.6300	26.21	-34.95	44.59	-59.41	-25.00	34.41	Vertical



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**Test Band = LTE Band7\_ TM1**

**Test Channel = Mid**

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	5052.1800	41.30	-45.50	31.53	-67.93	-25.00	42.93	Horizontal
2	7578.2700	37.58	-42.98	36.63	-64.02	-25.00	39.02	Horizontal
3	10104.3600	30.45	-39.14	38.25	-65.69	-25.00	40.69	Horizontal
4	12630.4500	26.92	-37.33	38.99	-66.68	-25.00	41.68	Horizontal
5	15156.5400	24.22	-34.36	40.97	-64.43	-25.00	39.43	Horizontal
6	17682.6300	26.63	-33.89	45.37	-57.15	-25.00	32.15	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	5052.1800	40.59	-45.50	31.53	-68.64	-25.00	43.64	Vertical
2	7578.2700	37.69	-42.98	36.63	-63.91	-25.00	38.91	Vertical
3	10104.3600	31.26	-39.14	38.25	-64.88	-25.00	39.88	Vertical
4	12630.4500	26.65	-37.33	38.99	-66.95	-25.00	41.95	Vertical
5	15156.5400	24.46	-34.36	40.97	-64.19	-25.00	39.19	Vertical
6	17682.6300	26.95	-33.89	45.37	-56.83	-25.00	31.83	Vertical



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**Test Band = LTE Band7\_ TM1**

**Test Channel = High**

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	5102.1800	39.94	-45.37	31.65	-69.04	-25.00	44.04	Horizontal
2	7653.2700	37.86	-43.03	36.66	-63.77	-25.00	38.77	Horizontal
3	10204.3600	30.51	-39.48	38.30	-65.93	-25.00	40.93	Horizontal
4	12755.4500	26.21	-36.76	39.03	-66.79	-25.00	41.79	Horizontal
5	15306.5400	25.21	-34.35	40.66	-63.75	-25.00	38.75	Horizontal
6	17857.6300	28.37	-34.56	46.16	-55.29	-25.00	30.29	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	5102.1800	39.52	-45.37	31.65	-69.46	-25.00	44.46	Vertical
2	7653.2700	38.50	-43.03	36.66	-63.13	-25.00	38.13	Vertical
3	10204.3600	31.27	-39.48	38.30	-65.17	-25.00	40.17	Vertical
4	12755.4500	26.42	-36.76	39.03	-66.58	-25.00	41.58	Vertical
5	15306.5400	24.75	-34.35	40.66	-64.21	-25.00	39.21	Vertical
6	17857.6300	28.07	-34.56	46.16	-55.59	-25.00	30.59	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

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band7	20MHz	QPSK	21100	100RB#0	VL	NT	-1.40	-0.000552	PASS
Band7	20MHz	QPSK	21100	100RB#0	VN	NT	0.20	0.000079	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	0.00	0.000000	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	-20	-2.80	-0.001105	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	-10	-1.80	-0.000710	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	0	0.30	0.000118	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	10	-0.70	-0.000276	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	20	-0.80	-0.000316	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	30	1.50	0.000592	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	40	-2.50	-0.000986	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	50	1.10	0.000434	PASS

---End of Attachment---



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