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# Appendix B.6

## LTE Band 7



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## Effective (Isotropic) Radiated Power Output Data

### Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	EIRP(dBm)	Limit(dBm)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	22.84	23.26	33	PASS
Band7	5MHz	QPSK	20775	1RB#12	22.9	23.32	33	PASS
Band7	5MHz	QPSK	20775	1RB#24	22.96	23.38	33	PASS
Band7	5MHz	QPSK	20775	25RB#0	22.03	22.45	33	PASS
Band7	5MHz	QPSK	21100	1RB#0	23.13	23.55	33	PASS
Band7	5MHz	QPSK	21100	1RB#12	23.2	23.62	33	PASS
Band7	5MHz	QPSK	21100	1RB#24	23.17	23.59	33	PASS
Band7	5MHz	QPSK	21100	25RB#0	22.25	22.67	33	PASS
Band7	5MHz	QPSK	21425	1RB#0	23.28	23.7	33	PASS
Band7	5MHz	QPSK	21425	1RB#12	23.3	23.72	33	PASS
Band7	5MHz	QPSK	21425	1RB#24	23.31	23.73	33	PASS
Band7	5MHz	QPSK	21425	25RB#0	22.39	22.81	33	PASS
Band7	5MHz	16QAM	20775	1RB#0	22.16	22.58	33	PASS
Band7	5MHz	16QAM	20775	1RB#12	22.27	22.69	33	PASS
Band7	5MHz	16QAM	20775	1RB#24	22.25	22.67	33	PASS
Band7	5MHz	16QAM	20775	25RB#0	21.11	21.53	33	PASS
Band7	5MHz	16QAM	21100	1RB#0	22.45	22.87	33	PASS
Band7	5MHz	16QAM	21100	1RB#12	22.48	22.9	33	PASS
Band7	5MHz	16QAM	21100	1RB#24	22.47	22.89	33	PASS
Band7	5MHz	16QAM	21100	25RB#0	21.22	21.64	33	PASS
Band7	5MHz	16QAM	21425	1RB#0	22.61	23.03	33	PASS
Band7	5MHz	16QAM	21425	1RB#12	22.54	22.96	33	PASS
Band7	5MHz	16QAM	21425	1RB#24	22.55	22.97	33	PASS
Band7	5MHz	16QAM	21425	25RB#0	21.42	21.84	33	PASS
Band7	5MHz	64QAM	20775	1RB#0	21.15	21.57	33	PASS
Band7	5MHz	64QAM	20775	1RB#12	21.22	21.64	33	PASS
Band7	5MHz	64QAM	20775	1RB#24	21.3	21.72	33	PASS
Band7	5MHz	64QAM	20775	25RB#0	20.02	20.44	33	PASS



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Band7	5MHz	64QAM	21100	1RB#0	21.41	21.83	33	PASS
Band7	5MHz	64QAM	21100	1RB#12	21.38	21.8	33	PASS
Band7	5MHz	64QAM	21100	1RB#24	21.42	21.84	33	PASS
Band7	5MHz	64QAM	21100	25RB#0	20.22	20.64	33	PASS
Band7	5MHz	64QAM	21425	1RB#0	21.6	22.02	33	PASS
Band7	5MHz	64QAM	21425	1RB#12	21.56	21.98	33	PASS
Band7	5MHz	64QAM	21425	1RB#24	21.45	21.87	33	PASS
Band7	5MHz	64QAM	21425	25RB#0	20.41	20.83	33	PASS
Band7	10MHz	QPSK	20800	1RB#0	22.86	23.28	33	PASS
Band7	10MHz	QPSK	20800	1RB#24	22.85	23.27	33	PASS
Band7	10MHz	QPSK	20800	1RB#49	23.01	23.43	33	PASS
Band7	10MHz	QPSK	20800	50RB#0	22.08	22.5	33	PASS
Band7	10MHz	QPSK	21100	1RB#0	23.12	23.54	33	PASS
Band7	10MHz	QPSK	21100	1RB#24	23.08	23.5	33	PASS
Band7	10MHz	QPSK	21100	1RB#49	23.15	23.57	33	PASS
Band7	10MHz	QPSK	21100	50RB#0	22.19	22.61	33	PASS
Band7	10MHz	QPSK	21400	1RB#0	23.31	23.73	33	PASS
Band7	10MHz	QPSK	21400	1RB#24	23.25	23.67	33	PASS
Band7	10MHz	QPSK	21400	1RB#49	23.26	23.68	33	PASS
Band7	10MHz	QPSK	21400	50RB#0	22.4	22.82	33	PASS
Band7	10MHz	16QAM	20800	1RB#0	22.49	22.91	33	PASS
Band7	10MHz	16QAM	20800	1RB#24	22.34	22.76	33	PASS
Band7	10MHz	16QAM	20800	1RB#49	22.31	22.73	33	PASS
Band7	10MHz	16QAM	20800	50RB#0	21.07	21.49	33	PASS
Band7	10MHz	16QAM	21100	1RB#0	22.47	22.89	33	PASS
Band7	10MHz	16QAM	21100	1RB#24	22.49	22.91	33	PASS
Band7	10MHz	16QAM	21100	1RB#49	22.45	22.87	33	PASS
Band7	10MHz	16QAM	21100	50RB#0	21.12	21.54	33	PASS
Band7	10MHz	16QAM	21400	1RB#0	22.61	23.03	33	PASS
Band7	10MHz	16QAM	21400	1RB#24	22.67	23.09	33	PASS
Band7	10MHz	16QAM	21400	1RB#49	22.61	23.03	33	PASS
Band7	10MHz	16QAM	21400	50RB#0	21.34	21.76	33	PASS
Band7	10MHz	64QAM	20800	1RB#0	21.06	21.48	33	PASS



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Band7	10MHz	64QAM	20800	1RB#24	21.14	21.56	33	PASS
Band7	10MHz	64QAM	20800	1RB#49	21.33	21.75	33	PASS
Band7	10MHz	64QAM	20800	50RB#0	20.12	20.54	33	PASS
Band7	10MHz	64QAM	21100	1RB#0	21.31	21.73	33	PASS
Band7	10MHz	64QAM	21100	1RB#24	21.39	21.81	33	PASS
Band7	10MHz	64QAM	21100	1RB#49	21.5	21.92	33	PASS
Band7	10MHz	64QAM	21100	50RB#0	20.23	20.65	33	PASS
Band7	10MHz	64QAM	21400	1RB#0	21.48	21.9	33	PASS
Band7	10MHz	64QAM	21400	1RB#24	21.64	22.06	33	PASS
Band7	10MHz	64QAM	21400	1RB#49	21.52	21.94	33	PASS
Band7	10MHz	64QAM	21400	50RB#0	20.39	20.81	33	PASS
Band7	15MHz	QPSK	20825	1RB#0	22.94	23.36	33	PASS
Band7	15MHz	QPSK	20825	1RB#38	22.91	23.33	33	PASS
Band7	15MHz	QPSK	20825	1RB#74	22.95	23.37	33	PASS
Band7	15MHz	QPSK	20825	75RB#0	22.07	22.49	33	PASS
Band7	15MHz	QPSK	21100	1RB#0	23.06	23.48	33	PASS
Band7	15MHz	QPSK	21100	1RB#38	23.14	23.56	33	PASS
Band7	15MHz	QPSK	21100	1RB#74	23.12	23.54	33	PASS
Band7	15MHz	QPSK	21100	75RB#0	22.22	22.64	33	PASS
Band7	15MHz	QPSK	21375	1RB#0	23.26	23.68	33	PASS
Band7	15MHz	QPSK	21375	1RB#38	23.32	23.74	33	PASS
Band7	15MHz	QPSK	21375	1RB#74	23.23	23.65	33	PASS
Band7	15MHz	QPSK	21375	75RB#0	22.35	22.77	33	PASS
Band7	15MHz	16QAM	20825	1RB#0	22.23	22.65	33	PASS
Band7	15MHz	16QAM	20825	1RB#38	22.27	22.69	33	PASS
Band7	15MHz	16QAM	20825	1RB#74	22.5	22.92	33	PASS
Band7	15MHz	16QAM	20825	75RB#0	21.1	21.52	33	PASS
Band7	15MHz	16QAM	21100	1RB#0	22.53	22.95	33	PASS
Band7	15MHz	16QAM	21100	1RB#38	22.48	22.9	33	PASS
Band7	15MHz	16QAM	21100	1RB#74	22.52	22.94	33	PASS
Band7	15MHz	16QAM	21100	75RB#0	21.14	21.56	33	PASS
Band7	15MHz	16QAM	21375	1RB#0	22.59	23.01	33	PASS
Band7	15MHz	16QAM	21375	1RB#38	22.52	22.94	33	PASS



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Band7	15MHz	16QAM	21375	75RB#0	21.25	21.67	33	PASS
Band7	15MHz	64QAM	20825	1RB#0	21.02	21.44	33	PASS
Band7	15MHz	64QAM	20825	1RB#38	21.25	21.67	33	PASS
Band7	15MHz	64QAM	20825	1RB#74	21.34	21.76	33	PASS
Band7	15MHz	64QAM	20825	75RB#0	20.13	20.55	33	PASS
Band7	15MHz	64QAM	21100	1RB#0	21.44	21.86	33	PASS
Band7	15MHz	64QAM	21100	1RB#38	21.43	21.85	33	PASS
Band7	15MHz	64QAM	21100	1RB#74	21.39	21.81	33	PASS
Band7	15MHz	64QAM	21100	75RB#0	20.23	20.65	33	PASS
Band7	15MHz	64QAM	21375	1RB#0	21.57	21.99	33	PASS
Band7	15MHz	64QAM	21375	1RB#38	21.56	21.98	33	PASS
Band7	15MHz	64QAM	21375	1RB#74	21.53	21.95	33	PASS
Band7	15MHz	64QAM	21375	75RB#0	20.39	20.81	33	PASS
Band7	20MHz	QPSK	20850	1RB#0	22.86	23.28	33	PASS
Band7	20MHz	QPSK	20850	1RB#49	22.98	23.4	33	PASS
Band7	20MHz	QPSK	20850	1RB#99	22.96	23.38	33	PASS
Band7	20MHz	QPSK	20850	100RB#0	22.07	22.49	33	PASS
Band7	20MHz	QPSK	21100	1RB#0	23.11	23.53	33	PASS
Band7	20MHz	QPSK	21100	1RB#49	23.1	23.52	33	PASS
Band7	20MHz	QPSK	21100	1RB#99	23.1	23.52	33	PASS
Band7	20MHz	QPSK	21100	100RB#0	22.21	22.63	33	PASS
Band7	20MHz	QPSK	21350	1RB#0	23.22	23.64	33	PASS
Band7	20MHz	QPSK	21350	1RB#49	23.26	23.68	33	PASS
Band7	20MHz	QPSK	21350	1RB#99	23.17	23.59	33	PASS
Band7	20MHz	QPSK	21350	100RB#0	22.46	22.88	33	PASS
Band7	20MHz	16QAM	20850	1RB#0	22.39	22.81	33	PASS
Band7	20MHz	16QAM	20850	1RB#49	22.29	22.71	33	PASS
Band7	20MHz	16QAM	20850	1RB#99	22.38	22.8	33	PASS
Band7	20MHz	16QAM	20850	100RB#0	21.16	21.58	33	PASS
Band7	20MHz	16QAM	21100	1RB#0	22.39	22.81	33	PASS
Band7	20MHz	16QAM	21100	1RB#49	22.43	22.85	33	PASS
Band7	20MHz	16QAM	21100	1RB#99	22.44	22.86	33	PASS



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Band7	20MHz	16QAM	21350	1RB#0	22.55	22.97	33	PASS
Band7	20MHz	16QAM	21350	1RB#49	22.6	23.02	33	PASS
Band7	20MHz	16QAM	21350	1RB#99	22.59	23.01	33	PASS
Band7	20MHz	16QAM	21350	100RB#0	21.4	21.82	33	PASS
Band7	20MHz	64QAM	20850	1RB#0	21.19	21.61	33	PASS
Band7	20MHz	64QAM	20850	1RB#49	21.36	21.78	33	PASS
Band7	20MHz	64QAM	20850	1RB#99	21.21	21.63	33	PASS
Band7	20MHz	64QAM	20850	100RB#0	20.17	20.59	33	PASS
Band7	20MHz	64QAM	21100	1RB#0	21.29	21.71	33	PASS
Band7	20MHz	64QAM	21100	1RB#49	21.31	21.73	33	PASS
Band7	20MHz	64QAM	21100	1RB#99	21.25	21.67	33	PASS
Band7	20MHz	64QAM	21100	100RB#0	20.22	20.64	33	PASS
Band7	20MHz	64QAM	21350	1RB#0	21.45	21.87	33	PASS
Band7	20MHz	64QAM	21350	1RB#49	21.51	21.93	33	PASS
Band7	20MHz	64QAM	21350	1RB#99	21.49	21.91	33	PASS
Band7	20MHz	64QAM	21350	100RB#0	20.49	20.91	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	5.28	13	PASS
Band7	20MHz	QPSK	21100	100RB#0	5.34	13	PASS
Band7	20MHz	QPSK	21350	100RB#0	5.26	13	PASS
Band7	20MHz	16QAM	20850	100RB#0	6.10	13	PASS
Band7	20MHz	16QAM	21100	100RB#0	6.06	13	PASS
Band7	20MHz	16QAM	21350	100RB#0	6.08	13	PASS
Band7	20MHz	64QAM	20850	100RB#0	6.58	13	PASS
Band7	20MHz	64QAM	21100	100RB#0	6.58	13	PASS
Band7	20MHz	64QAM	21350	100RB#0	6.66	13	PASS



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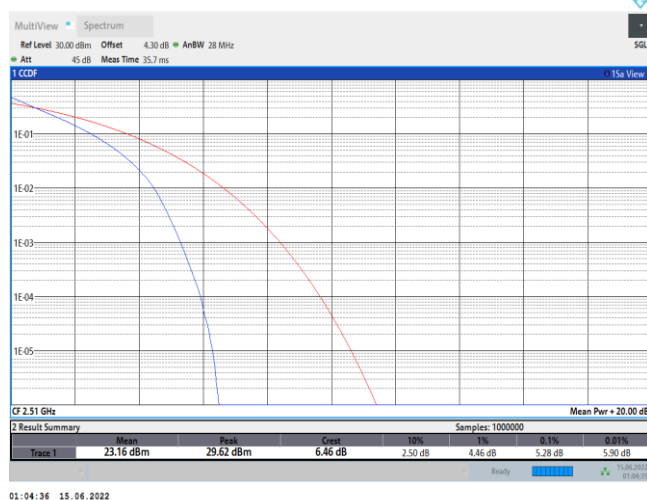
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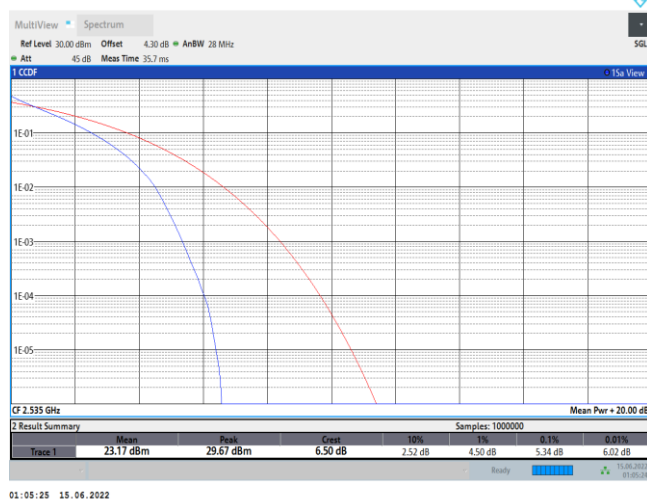
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### Test Graphs

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



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



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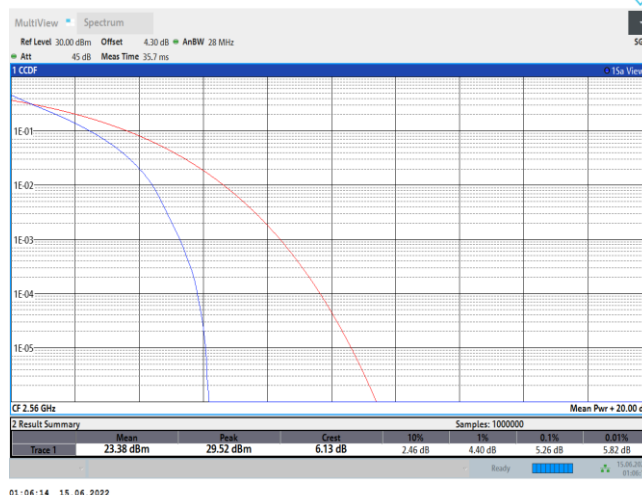


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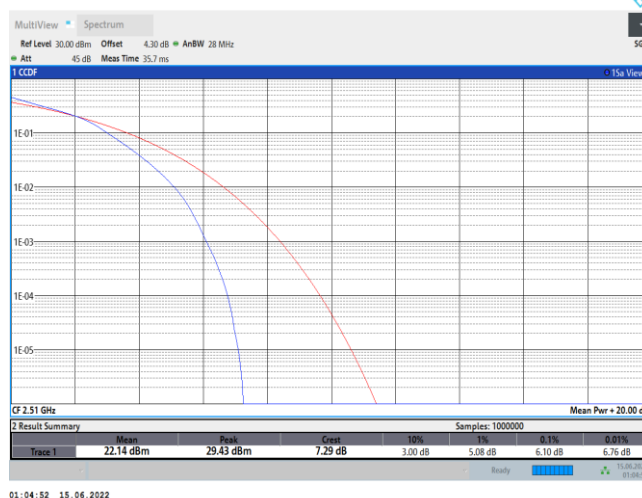
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### Band7-20MHz-QPSK-21350-100RB#0



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



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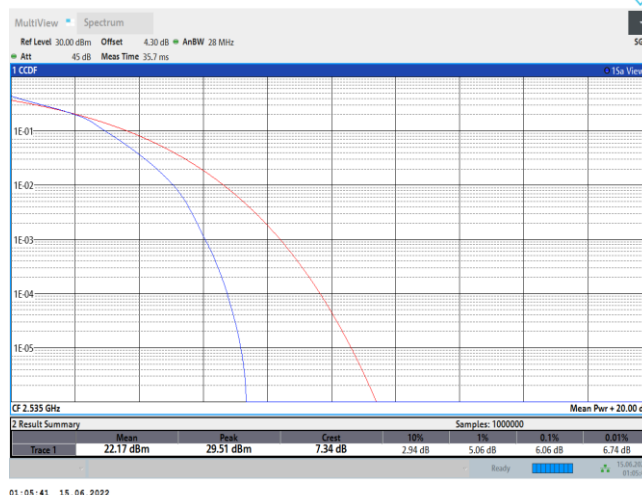
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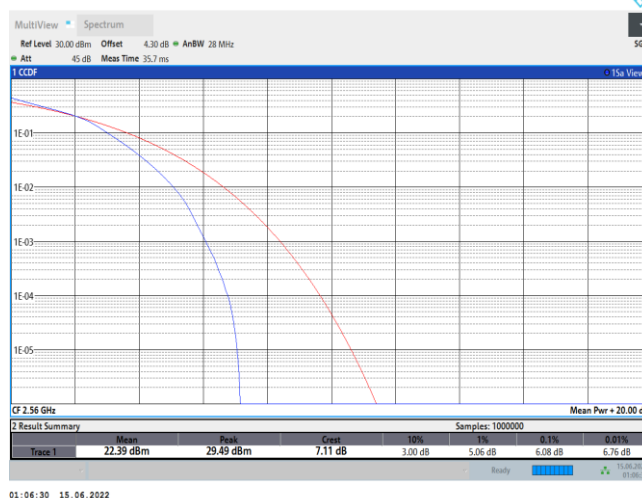
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### Band7-20MHz-16QAM-21100-100RB#0



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



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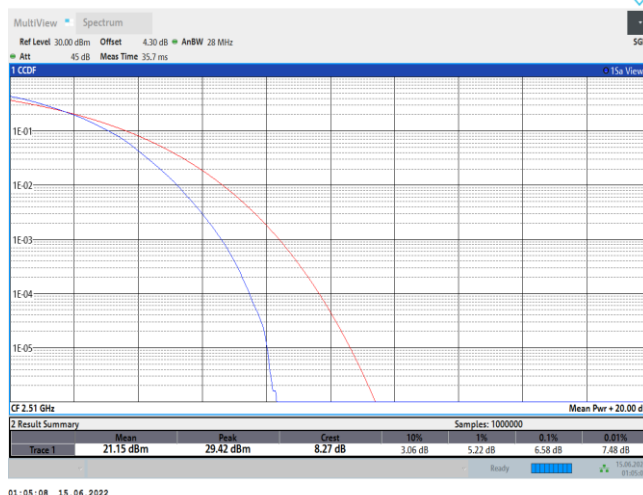
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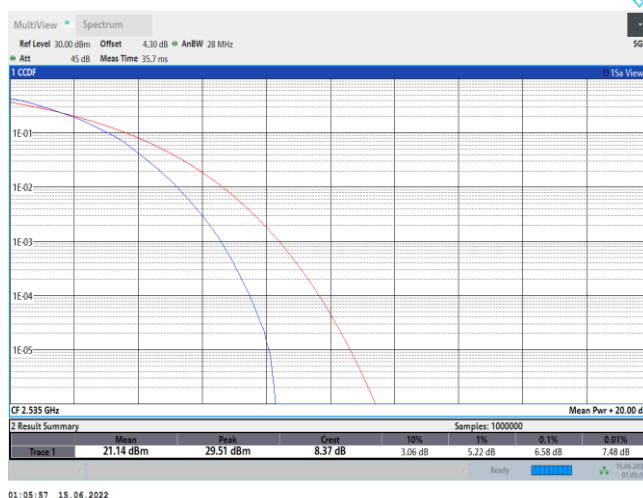
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### Band7-20MHz-64QAM-20850-100RB#0



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



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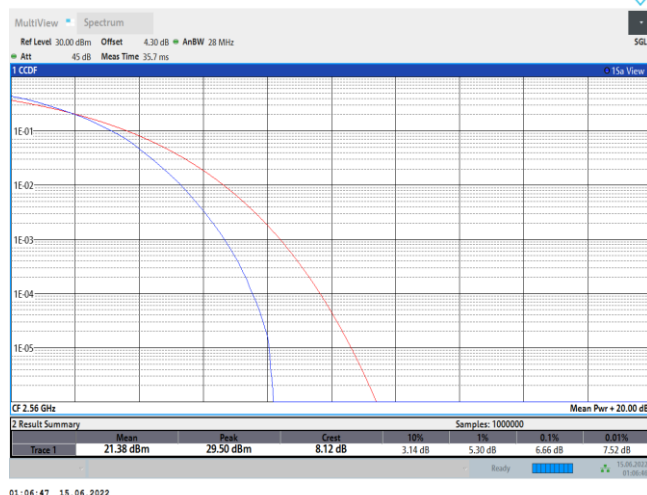
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## Band7-20MHz-64QAM-21350-100RB#0



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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

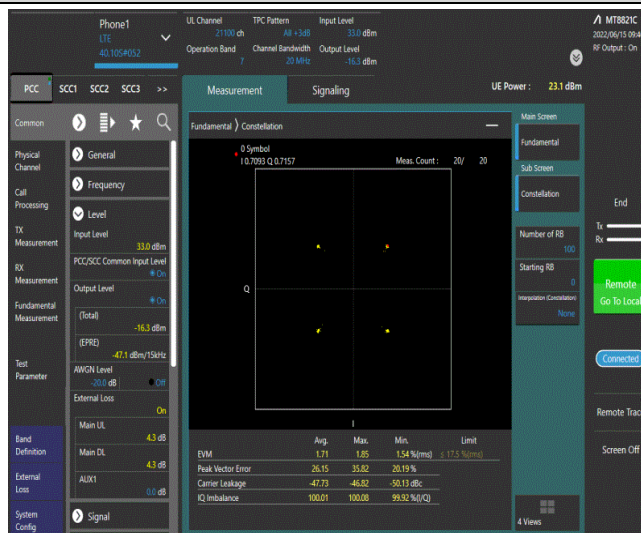


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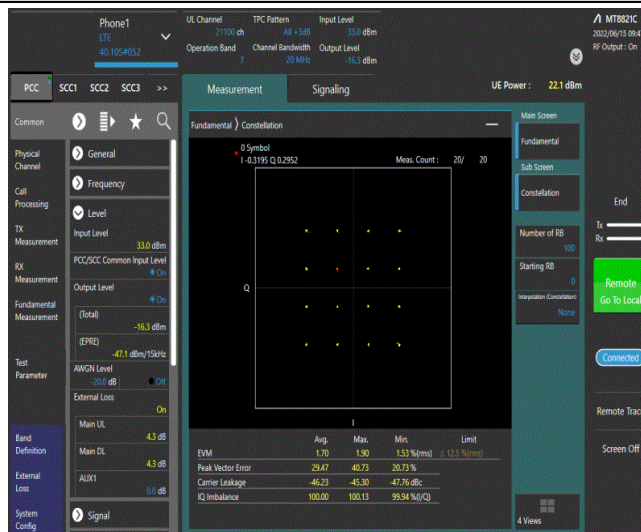


## Test Graphs

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



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



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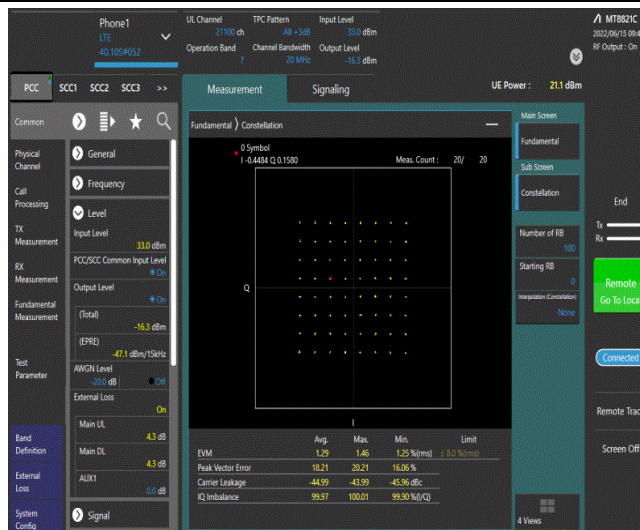
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## Band7-20MHz-64QAM-21100-100RB#0



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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	20775	25RB#0	4.469	4.88	PASS
Band7	5MHz	QPSK	21100	25RB#0	4.465	4.88	PASS
Band7	5MHz	QPSK	21425	25RB#0	4.470	4.89	PASS
Band7	5MHz	16QAM	20775	25RB#0	4.470	4.93	PASS
Band7	5MHz	16QAM	21100	25RB#0	4.467	4.91	PASS
Band7	5MHz	16QAM	21425	25RB#0	4.461	4.90	PASS
Band7	5MHz	64QAM	20775	25RB#0	4.479	4.90	PASS
Band7	5MHz	64QAM	21100	25RB#0	4.482	4.90	PASS
Band7	5MHz	64QAM	21425	25RB#0	4.476	4.90	PASS
Band7	10MHz	QPSK	20800	50RB#0	8.926	9.62	PASS
Band7	10MHz	QPSK	21100	50RB#0	8.914	9.64	PASS
Band7	10MHz	QPSK	21400	50RB#0	8.913	9.70	PASS
Band7	10MHz	16QAM	20800	50RB#0	8.903	9.60	PASS
Band7	10MHz	16QAM	21100	50RB#0	8.906	9.60	PASS
Band7	10MHz	16QAM	21400	50RB#0	8.910	9.58	PASS
Band7	10MHz	64QAM	20800	50RB#0	8.923	9.66	PASS
Band7	10MHz	64QAM	21100	50RB#0	8.924	9.64	PASS
Band7	10MHz	64QAM	21400	50RB#0	8.913	9.60	PASS
Band7	15MHz	QPSK	20825	75RB#0	13.470	14.82	PASS
Band7	15MHz	QPSK	21100	75RB#0	13.461	14.76	PASS
Band7	15MHz	QPSK	21375	75RB#0	13.460	14.73	PASS
Band7	15MHz	16QAM	20825	75RB#0	13.439	14.76	PASS
Band7	15MHz	16QAM	21100	75RB#0	13.450	14.79	PASS
Band7	15MHz	16QAM	21375	75RB#0	13.443	14.67	PASS
Band7	15MHz	64QAM	20825	75RB#0	13.440	14.76	PASS
Band7	15MHz	64QAM	21100	75RB#0	13.437	14.79	PASS
Band7	15MHz	64QAM	21375	75RB#0	13.434	14.82	PASS
Band7	20MHz	QPSK	20850	100RB#0	17.894	19.36	PASS
Band7	20MHz	QPSK	21100	100RB#0	17.937	19.56	PASS
Band7	20MHz	QPSK	21350	100RB#0	17.910	19.44	PASS
Band7	20MHz	16QAM	20850	100RB#0	17.894	19.40	PASS



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Band7	20MHz	16QAM	21350	100RB#0	17.872	19.40	PASS
Band7	20MHz	64QAM	20850	100RB#0	17.878	19.44	PASS
Band7	20MHz	64QAM	21100	100RB#0	17.891	19.40	PASS
Band7	20MHz	64QAM	21350	100RB#0	17.858	19.40	PASS



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### Test Graphs

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



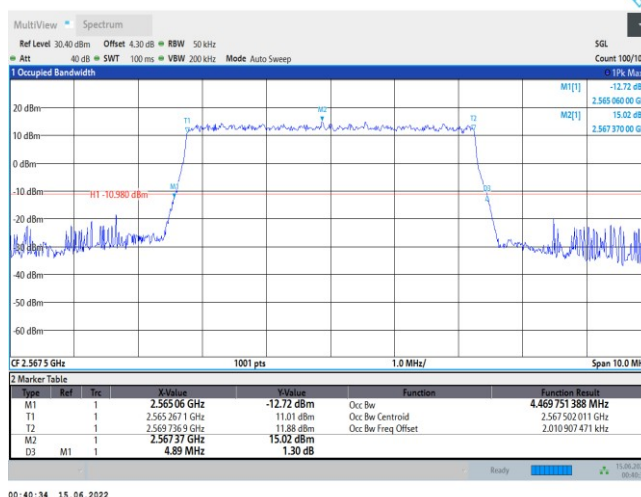
Band7-5MHz-QPSK-21100-25RB#0



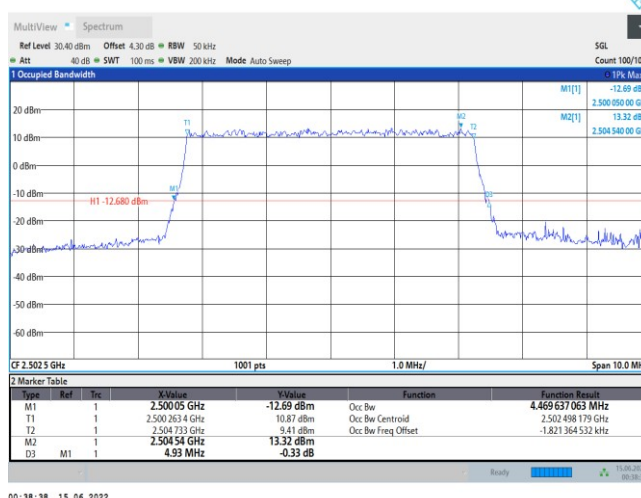


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## Band7-5MHz-QPSK-21425-25RB#0



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



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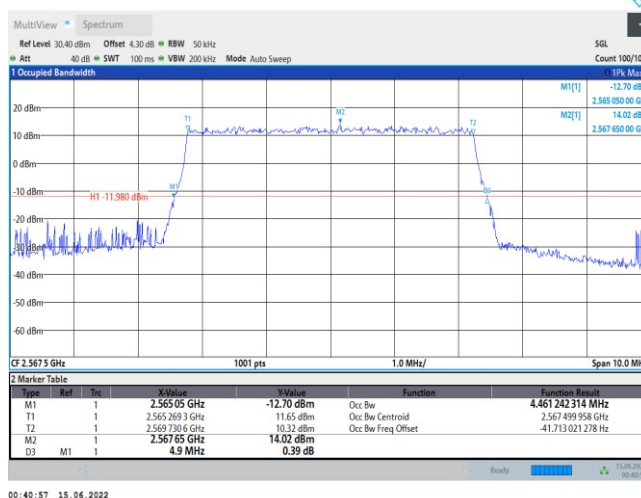
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## Band7-5MHz-16QAM-21100-25RB#0



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



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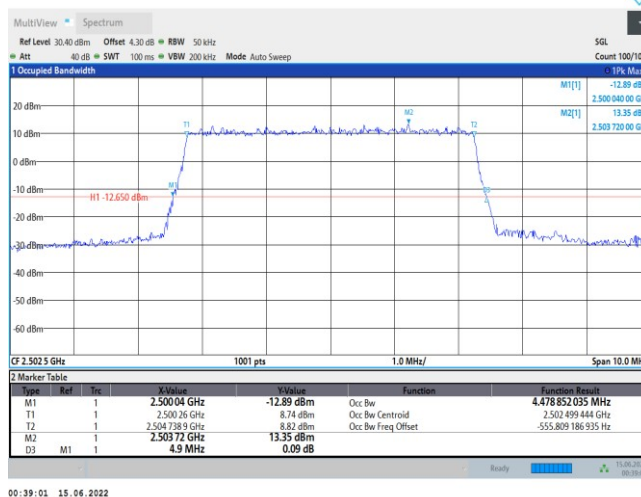
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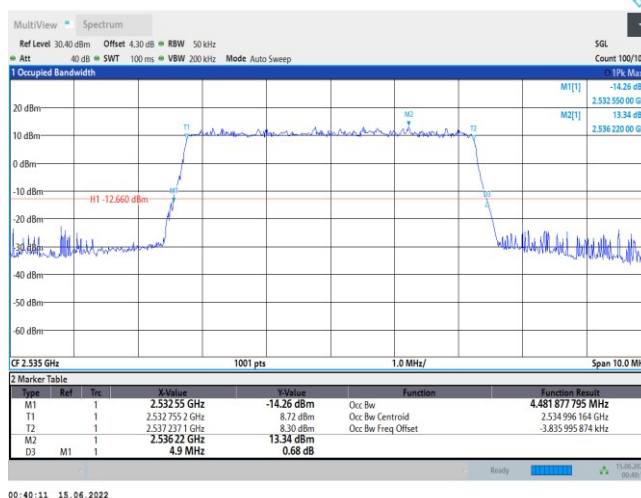
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### Band7-5MHz-64QAM-20775-25RB#0



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



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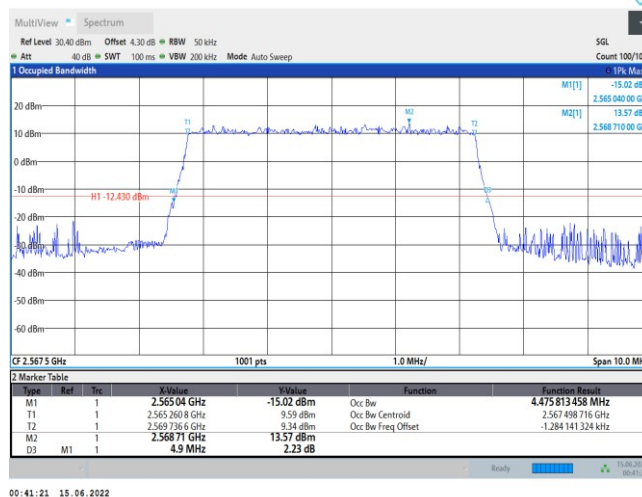
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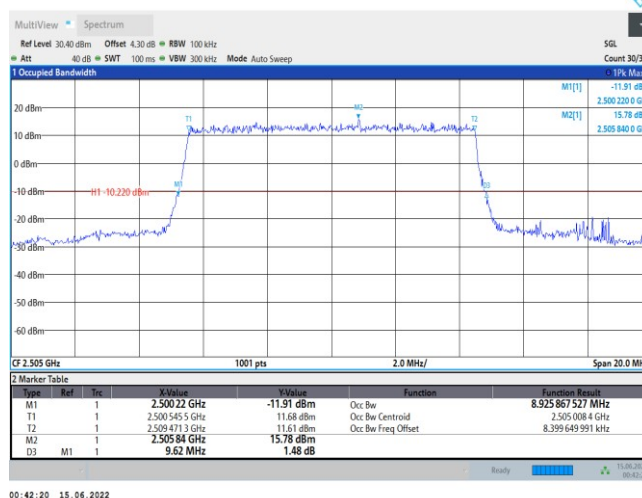
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### Band7-10MHz-QPSK-20800-50RB#0



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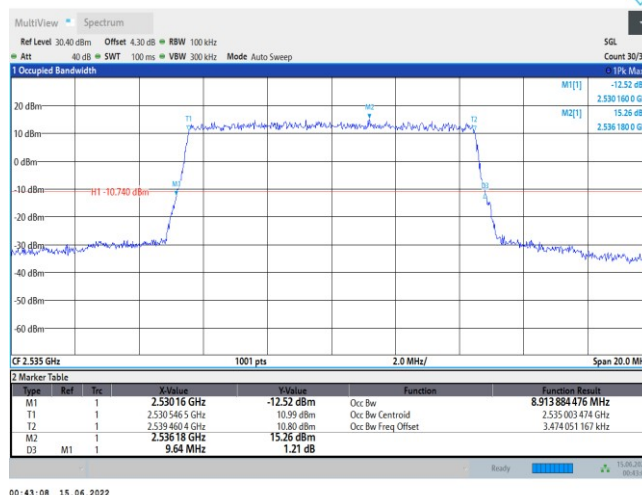


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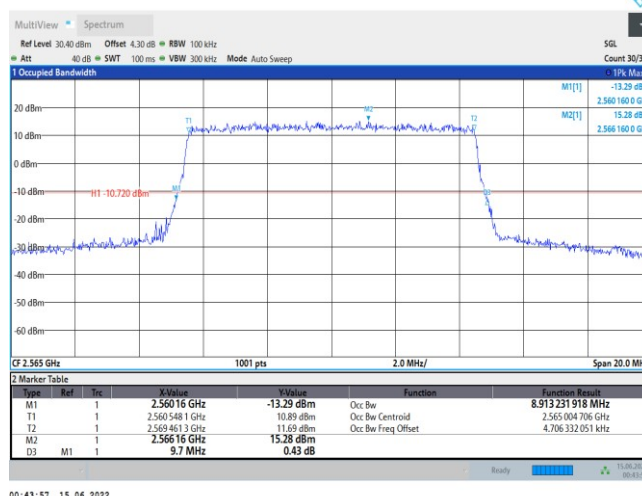
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### Band7-10MHz-QPSK-21100-50RB#0



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



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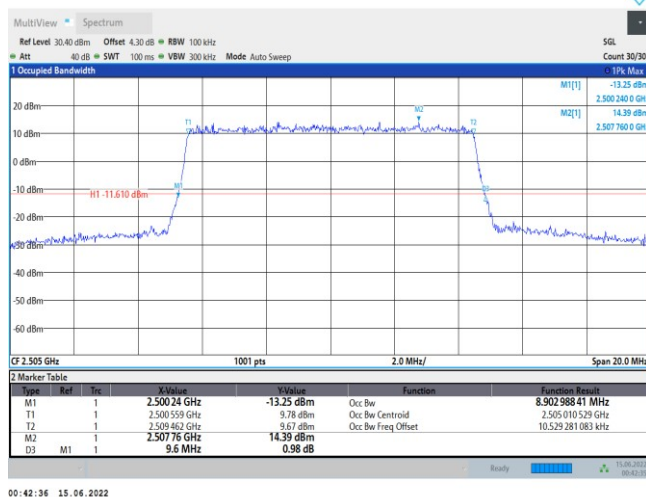


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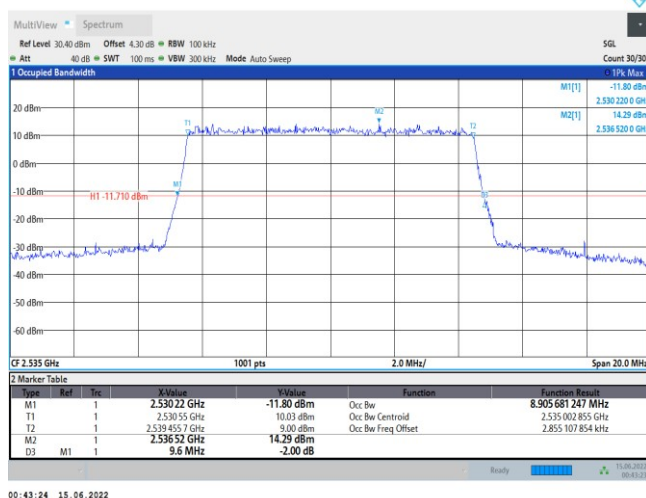
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### Band7-10MHz-16QAM-20800-50RB#0



### Band7-10MHz-16QAM-21100-50RB#0



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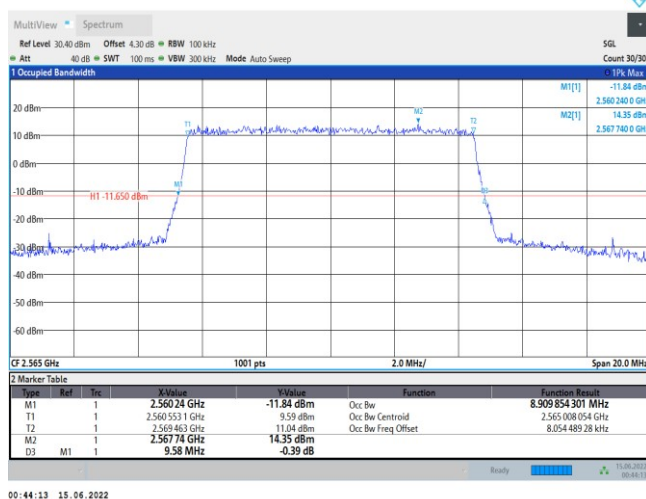
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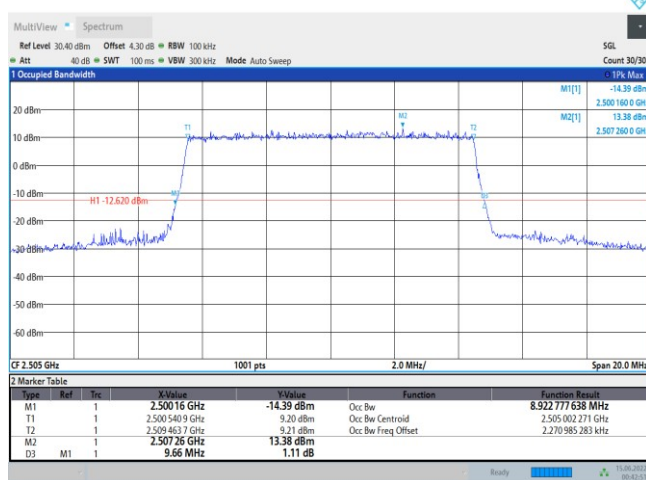
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### Band7-10MHz-64QAM-20800-50RB#0



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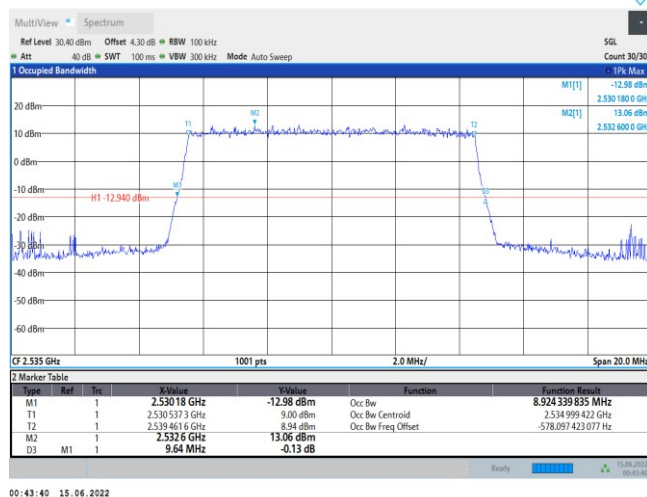
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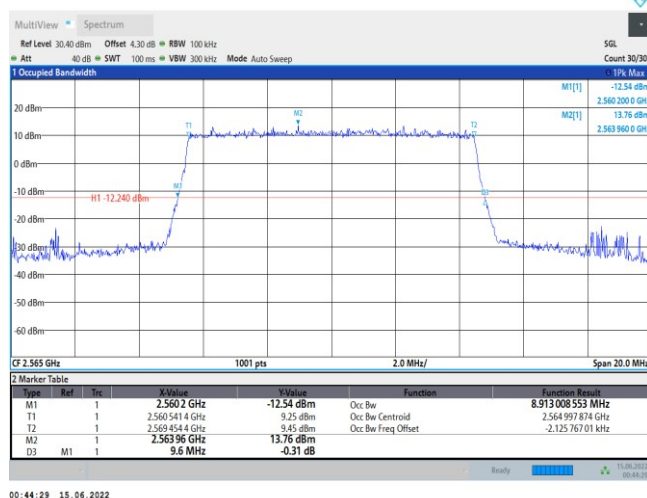
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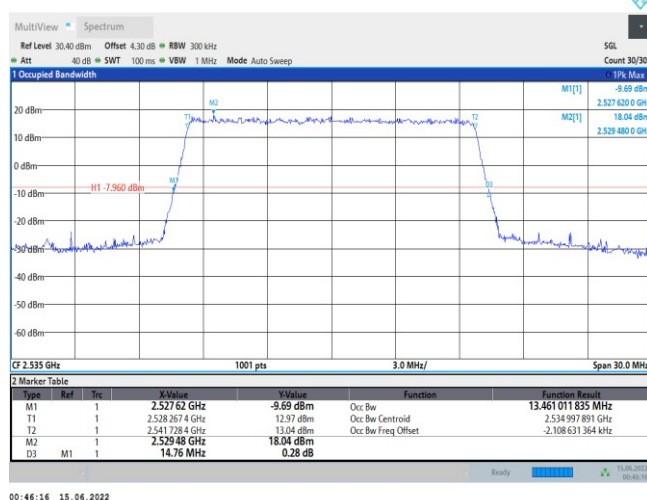
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## Band7-15MHz-QPSK-21100-75RB#0



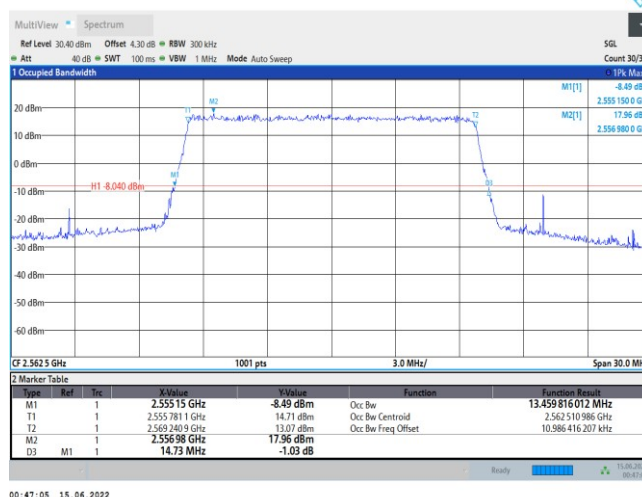


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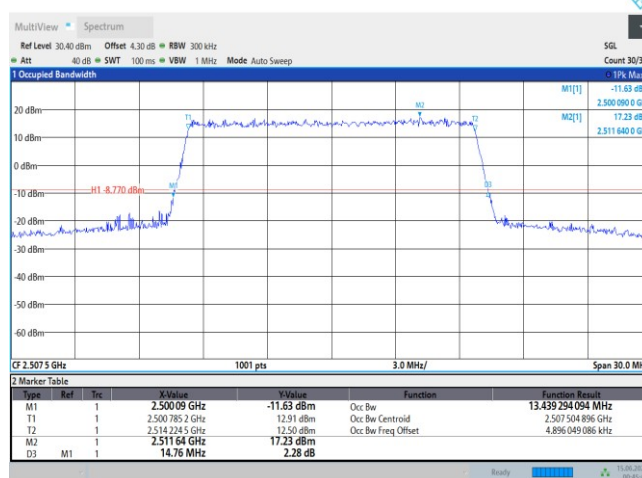
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