



# Appendix B.45

## LTE Band 42(3550-3600)



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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
Band42	5MHz	QPSK	43115	1RB#0	21.85	17.56	23	PASS
Band42	5MHz	QPSK	43115	1RB#12	21.85	17.56	23	PASS
Band42	5MHz	QPSK	43115	1RB#24	21.9	17.61	23	PASS
Band42	5MHz	QPSK	43115	25RB#0	20.95	16.66	23	PASS
Band42	5MHz	QPSK	43340	1RB#0	18.89	14.6	23	PASS
Band42	5MHz	QPSK	43340	1RB#12	22.04	17.75	23	PASS
Band42	5MHz	QPSK	43340	1RB#24	21.97	17.68	23	PASS
Band42	5MHz	QPSK	43340	25RB#0	21.03	16.74	23	PASS
Band42	5MHz	QPSK	43565	1RB#0	17.99	13.7	23	PASS
Band42	5MHz	QPSK	43565	1RB#12	21.4	17.11	23	PASS
Band42	5MHz	QPSK	43565	1RB#24	21.29	17	23	PASS
Band42	5MHz	QPSK	43565	25RB#0	20.34	16.05	23	PASS
Band42	5MHz	16QAM	43115	1RB#0	21.11	16.82	23	PASS
Band42	5MHz	16QAM	43115	1RB#12	21.13	16.84	23	PASS
Band42	5MHz	16QAM	43115	1RB#24	21.14	16.85	23	PASS
Band42	5MHz	16QAM	43115	25RB#0	20.11	15.82	23	PASS
Band42	5MHz	16QAM	43340	1RB#0	21.21	16.92	23	PASS
Band42	5MHz	16QAM	43340	1RB#12	21.29	17	23	PASS
Band42	5MHz	16QAM	43340	1RB#24	21.21	16.92	23	PASS
Band42	5MHz	16QAM	43340	25RB#0	20.17	15.88	23	PASS
Band42	5MHz	16QAM	43565	1RB#0	20.52	16.23	23	PASS
Band42	5MHz	16QAM	43565	1RB#12	20.6	16.31	23	PASS
Band42	5MHz	16QAM	43565	1RB#24	20.55	16.26	23	PASS
Band42	5MHz	16QAM	43565	25RB#0	19.5	15.21	23	PASS
Band42	5MHz	64QAM	43115	1RB#0	20.11	15.82	23	PASS
Band42	5MHz	64QAM	43115	1RB#12	20.1	15.81	23	PASS
Band42	5MHz	64QAM	43115	1RB#24	20.11	15.82	23	PASS
Band42	5MHz	64QAM	43115	25RB#0	19.16	14.87	23	PASS
Band42	5MHz	64QAM	43340	1RB#0	20.18	15.89	23	PASS



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Band42	5MHz	64QAM	43340	1RB#12	20.16	15.87	23	PASS
Band42	5MHz	64QAM	43340	1RB#24	20.15	15.86	23	PASS
Band42	5MHz	64QAM	43340	25RB#0	19.17	14.88	23	PASS
Band42	5MHz	64QAM	43565	1RB#0	19.51	15.22	23	PASS
Band42	5MHz	64QAM	43565	1RB#12	19.45	15.16	23	PASS
Band42	5MHz	64QAM	43565	1RB#24	19.5	15.21	23	PASS
Band42	5MHz	64QAM	43565	25RB#0	18.54	14.25	23	PASS
Band42	5MHz	256QAM	43115	1RB#0	17.08	12.79	23	PASS
Band42	5MHz	256QAM	43115	1RB#12	17.07	12.78	23	PASS
Band42	5MHz	256QAM	43115	1RB#24	17.1	12.81	23	PASS
Band42	5MHz	256QAM	43115	25RB#0	17.16	12.87	23	PASS
Band42	5MHz	256QAM	43340	1RB#0	17.15	12.86	23	PASS
Band42	5MHz	256QAM	43340	1RB#12	17.13	12.84	23	PASS
Band42	5MHz	256QAM	43340	1RB#24	17.13	12.84	23	PASS
Band42	5MHz	256QAM	43340	25RB#0	16.64	12.35	23	PASS
Band42	5MHz	256QAM	43565	1RB#0	16.49	12.2	23	PASS
Band42	5MHz	256QAM	43565	1RB#12	16.48	12.19	23	PASS
Band42	5MHz	256QAM	43565	1RB#24	16.47	12.18	23	PASS
Band42	5MHz	256QAM	43565	25RB#0	16.55	12.26	23	PASS
Band42	10MHz	QPSK	43140	1RB#0	21.49	17.2	23	PASS
Band42	10MHz	QPSK	43140	1RB#24	21.52	17.23	23	PASS
Band42	10MHz	QPSK	43140	1RB#49	21.49	17.2	23	PASS
Band42	10MHz	QPSK	43140	50RB#0	20.6	16.31	23	PASS
Band42	10MHz	QPSK	43340	1RB#0	19.04	14.75	23	PASS
Band42	10MHz	QPSK	43340	1RB#24	21.56	17.27	23	PASS
Band42	10MHz	QPSK	43340	1RB#49	21.56	17.27	23	PASS
Band42	10MHz	QPSK	43340	50RB#0	20.55	16.26	23	PASS
Band42	10MHz	QPSK	43540	1RB#0	19.98	15.69	23	PASS
Band42	10MHz	QPSK	43540	1RB#24	21.17	16.88	23	PASS
Band42	10MHz	QPSK	43540	1RB#49	20.18	15.89	23	PASS
Band42	10MHz	QPSK	43540	50RB#0	19.26	14.97	23	PASS
Band42	10MHz	16QAM	43140	1RB#0	20.73	16.44	23	PASS
Band42	10MHz	16QAM	43140	1RB#24	20.85	16.56	23	PASS



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Band42	10MHz	16QAM	43140	1RB#49	20.74	16.45	23	PASS
Band42	10MHz	16QAM	43140	50RB#0	19.83	15.54	23	PASS
Band42	10MHz	16QAM	43340	1RB#0	20.77	16.48	23	PASS
Band42	10MHz	16QAM	43340	1RB#24	20.8	16.51	23	PASS
Band42	10MHz	16QAM	43340	1RB#49	20.12	15.83	23	PASS
Band42	10MHz	16QAM	43340	50RB#0	19.78	15.49	23	PASS
Band42	10MHz	16QAM	43540	1RB#0	20.55	16.26	23	PASS
Band42	10MHz	16QAM	43540	1RB#24	19.41	15.12	23	PASS
Band42	10MHz	16QAM	43540	1RB#49	19.43	15.14	23	PASS
Band42	10MHz	16QAM	43540	50RB#0	18.5	14.21	23	PASS
Band42	10MHz	64QAM	43140	1RB#0	19.7	15.41	23	PASS
Band42	10MHz	64QAM	43140	1RB#24	19.73	15.44	23	PASS
Band42	10MHz	64QAM	43140	1RB#49	19.72	15.43	23	PASS
Band42	10MHz	64QAM	43140	50RB#0	18.83	14.54	23	PASS
Band42	10MHz	64QAM	43340	1RB#0	19.79	15.5	23	PASS
Band42	10MHz	64QAM	43340	1RB#24	19.71	15.42	23	PASS
Band42	10MHz	64QAM	43340	1RB#49	19.6	15.31	23	PASS
Band42	10MHz	64QAM	43340	50RB#0	18.77	14.48	23	PASS
Band42	10MHz	64QAM	43540	1RB#0	19.59	15.3	23	PASS
Band42	10MHz	64QAM	43540	1RB#24	18.31	14.02	23	PASS
Band42	10MHz	64QAM	43540	1RB#49	18.4	14.11	23	PASS
Band42	10MHz	64QAM	43540	50RB#0	17.51	13.22	23	PASS
Band42	10MHz	256QAM	43140	1RB#0	16.69	12.4	23	PASS
Band42	10MHz	256QAM	43140	1RB#24	16.73	12.44	23	PASS
Band42	10MHz	256QAM	43140	1RB#49	16.72	12.43	23	PASS
Band42	10MHz	256QAM	43140	50RB#0	16.84	12.55	23	PASS
Band42	10MHz	256QAM	43340	1RB#0	16.69	12.4	23	PASS
Band42	10MHz	256QAM	43340	1RB#24	16.69	12.4	23	PASS
Band42	10MHz	256QAM	43340	1RB#49	16.61	12.32	23	PASS
Band42	10MHz	256QAM	43340	50RB#0	16.74	12.45	23	PASS
Band42	10MHz	256QAM	43540	1RB#0	16.54	12.25	23	PASS
Band42	10MHz	256QAM	43540	1RB#24	15.3	11.01	23	PASS
Band42	10MHz	256QAM	43540	1RB#49	15.36	11.07	23	PASS



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Band42	10MHz	256QAM	43540	50RB#0	15.53	11.24	23	PASS
Band42	15MHz	QPSK	43165	1RB#0	19.82	15.53	23	PASS
Band42	15MHz	QPSK	43165	1RB#38	19.96	15.67	23	PASS
Band42	15MHz	QPSK	43165	1RB#74	20.11	15.82	23	PASS
Band42	15MHz	QPSK	43165	75RB#0	19.06	14.77	23	PASS
Band42	15MHz	QPSK	43340	1RB#0	18.09	13.8	23	PASS
Band42	15MHz	QPSK	43340	1RB#38	20.27	15.98	23	PASS
Band42	15MHz	QPSK	43340	1RB#74	20.34	16.05	23	PASS
Band42	15MHz	QPSK	43340	75RB#0	19.35	15.06	23	PASS
Band42	15MHz	QPSK	43515	1RB#0	16.04	11.75	23	PASS
Band42	15MHz	QPSK	43515	1RB#38	20.39	16.1	23	PASS
Band42	15MHz	QPSK	43515	1RB#74	20.4	16.11	23	PASS
Band42	15MHz	QPSK	43515	75RB#0	19.41	15.12	23	PASS
Band42	15MHz	16QAM	43165	1RB#0	19.04	14.75	23	PASS
Band42	15MHz	16QAM	43165	1RB#38	19.21	14.92	23	PASS
Band42	15MHz	16QAM	43165	1RB#74	19.37	15.08	23	PASS
Band42	15MHz	16QAM	43165	75RB#0	18.33	14.04	23	PASS
Band42	15MHz	16QAM	43340	1RB#0	19.36	15.07	23	PASS
Band42	15MHz	16QAM	43340	1RB#38	19.49	15.2	23	PASS
Band42	15MHz	16QAM	43340	1RB#74	19.59	15.3	23	PASS
Band42	15MHz	16QAM	43340	75RB#0	18.53	14.24	23	PASS
Band42	15MHz	16QAM	43515	1RB#0	19.54	15.25	23	PASS
Band42	15MHz	16QAM	43515	1RB#38	19.59	15.3	23	PASS
Band42	15MHz	16QAM	43515	1RB#74	19.65	15.36	23	PASS
Band42	15MHz	16QAM	43515	75RB#0	18.6	14.31	23	PASS
Band42	15MHz	64QAM	43165	1RB#0	18.02	13.73	23	PASS
Band42	15MHz	64QAM	43165	1RB#38	18.17	13.88	23	PASS
Band42	15MHz	64QAM	43165	1RB#74	18.29	14	23	PASS
Band42	15MHz	64QAM	43165	75RB#0	17.31	13.02	23	PASS
Band42	15MHz	64QAM	43340	1RB#0	18.34	14.05	23	PASS
Band42	15MHz	64QAM	43340	1RB#38	18.44	14.15	23	PASS
Band42	15MHz	64QAM	43340	1RB#74	18.44	14.15	23	PASS
Band42	15MHz	64QAM	43340	75RB#0	17.53	13.24	23	PASS



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Band42	15MHz	64QAM	43515	1RB#0	18.42	14.13	23	PASS
Band42	15MHz	64QAM	43515	1RB#38	18.53	14.24	23	PASS
Band42	15MHz	64QAM	43515	1RB#74	18.58	14.29	23	PASS
Band42	15MHz	64QAM	43515	75RB#0	17.58	13.29	23	PASS
Band42	15MHz	256QAM	43165	1RB#0	14.97	10.68	23	PASS
Band42	15MHz	256QAM	43165	1RB#38	15.16	10.87	23	PASS
Band42	15MHz	256QAM	43165	1RB#74	15.25	10.96	23	PASS
Band42	15MHz	256QAM	43165	75RB#0	15.3	11.01	23	PASS
Band42	15MHz	256QAM	43340	1RB#0	15.32	11.03	23	PASS
Band42	15MHz	256QAM	43340	1RB#38	15.37	11.08	23	PASS
Band42	15MHz	256QAM	43340	1RB#74	15.4	11.11	23	PASS
Band42	15MHz	256QAM	43340	75RB#0	15.48	11.19	23	PASS
Band42	15MHz	256QAM	43515	1RB#0	15.38	11.09	23	PASS
Band42	15MHz	256QAM	43515	1RB#38	15.5	11.21	23	PASS
Band42	15MHz	256QAM	43515	1RB#74	15.54	11.25	23	PASS
Band42	15MHz	256QAM	43515	75RB#0	16.69	12.4	23	PASS
Band42	20MHz	QPSK	43190	1RB#0	19.94	15.65	23	PASS
Band42	20MHz	QPSK	43190	1RB#49	20.13	15.84	23	PASS
Band42	20MHz	QPSK	43190	1RB#99	20.33	16.04	23	PASS
Band42	20MHz	QPSK	43190	100RB#0	19.21	14.92	23	PASS
Band42	20MHz	QPSK	43340	1RB#0	17.22	12.93	23	PASS
Band42	20MHz	QPSK	43340	1RB#49	20.38	16.09	23	PASS
Band42	20MHz	QPSK	43340	1RB#99	20.43	16.14	23	PASS
Band42	20MHz	QPSK	43340	100RB#0	19.51	15.22	23	PASS
Band42	20MHz	QPSK	43490	1RB#0	17.57	13.28	23	PASS
Band42	20MHz	QPSK	43490	1RB#49	20.51	16.22	23	PASS
Band42	20MHz	QPSK	43490	1RB#99	20.5	16.21	23	PASS
Band42	20MHz	QPSK	43490	100RB#0	19.53	15.24	23	PASS
Band42	20MHz	16QAM	43190	1RB#0	19.19	14.9	23	PASS
Band42	20MHz	16QAM	43190	1RB#49	19.45	15.16	23	PASS
Band42	20MHz	16QAM	43190	1RB#99	19.58	15.29	23	PASS
Band42	20MHz	16QAM	43190	100RB#0	18.5	14.21	23	PASS
Band42	20MHz	16QAM	43340	1RB#0	19.46	15.17	23	PASS



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Band42	20MHz	16QAM	43340	1RB#99	19.69	15.4	23	PASS
Band42	20MHz	16QAM	43340	100RB#0	18.68	14.39	23	PASS
Band42	20MHz	16QAM	43490	1RB#0	19.6	15.31	23	PASS
Band42	20MHz	16QAM	43490	1RB#49	19.82	15.53	23	PASS
Band42	20MHz	16QAM	43490	1RB#99	19.73	15.44	23	PASS
Band42	20MHz	16QAM	43490	100RB#0	18.74	14.45	23	PASS
Band42	20MHz	64QAM	43190	1RB#0	18.11	13.82	23	PASS
Band42	20MHz	64QAM	43190	1RB#49	18.33	14.04	23	PASS
Band42	20MHz	64QAM	43190	1RB#99	18.5	14.21	23	PASS
Band42	20MHz	64QAM	43190	100RB#0	17.46	13.17	23	PASS
Band42	20MHz	64QAM	43340	1RB#0	18.41	14.12	23	PASS
Band42	20MHz	64QAM	43340	1RB#49	18.57	14.28	23	PASS
Band42	20MHz	64QAM	43340	1RB#99	18.57	14.28	23	PASS
Band42	20MHz	64QAM	43340	100RB#0	17.63	13.34	23	PASS
Band42	20MHz	64QAM	43490	1RB#0	18.5	14.21	23	PASS
Band42	20MHz	64QAM	43490	1RB#49	18.61	14.32	23	PASS
Band42	20MHz	64QAM	43490	1RB#99	18.69	14.4	23	PASS
Band42	20MHz	64QAM	43490	100RB#0	17.68	13.39	23	PASS
Band42	20MHz	256QAM	43190	1RB#0	15.08	10.79	23	PASS
Band42	20MHz	256QAM	43190	1RB#49	15.31	11.02	23	PASS
Band42	20MHz	256QAM	43190	1RB#99	15.47	11.18	23	PASS
Band42	20MHz	256QAM	43190	100RB#0	15.39	11.1	23	PASS
Band42	20MHz	256QAM	43340	1RB#0	15.38	11.09	23	PASS
Band42	20MHz	256QAM	43340	1RB#49	15.51	11.22	23	PASS
Band42	20MHz	256QAM	43340	1RB#99	15.5	11.21	23	PASS
Band42	20MHz	256QAM	43340	100RB#0	15.57	11.28	23	PASS
Band42	20MHz	256QAM	43490	1RB#0	15.45	11.16	23	PASS
Band42	20MHz	256QAM	43490	1RB#49	15.59	11.3	23	PASS
Band42	20MHz	256QAM	43490	1RB#99	15.61	11.32	23	PASS
Band42	20MHz	256QAM	43490	100RB#0	15.63	11.34	23	PASS



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## Peak-to-Average Ratio(CCDF)

### Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band42	20MHz	QPSK	43190	100RB#0	7.54	13	PASS
Band42	20MHz	QPSK	43340	100RB#0	7.52	13	PASS
Band42	20MHz	QPSK	43490	100RB#0	7.64	13	PASS
Band42	20MHz	16QAM	43190	100RB#0	8.14	13	PASS
Band42	20MHz	16QAM	43340	100RB#0	8.18	13	PASS
Band42	20MHz	16QAM	43490	100RB#0	8.16	13	PASS
Band42	20MHz	64QAM	43190	100RB#0	8.34	13	PASS
Band42	20MHz	64QAM	43340	100RB#0	8.52	13	PASS
Band42	20MHz	64QAM	43490	100RB#0	8.50	13	PASS
Band42	20MHz	256QAM	43190	100RB#0	8.52	13	PASS
Band42	20MHz	256QAM	43340	100RB#0	8.56	13	PASS
Band42	20MHz	256QAM	43490	100RB#0	8.54	13	PASS



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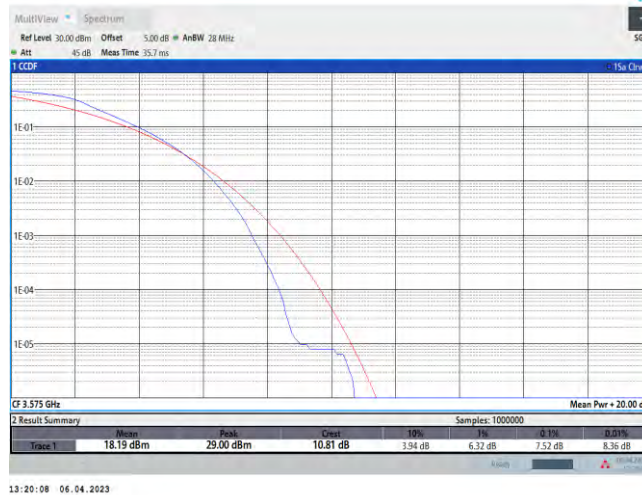


**Test Graphs**

**Band42-20MHz-QPSK-43190-100RB#0**



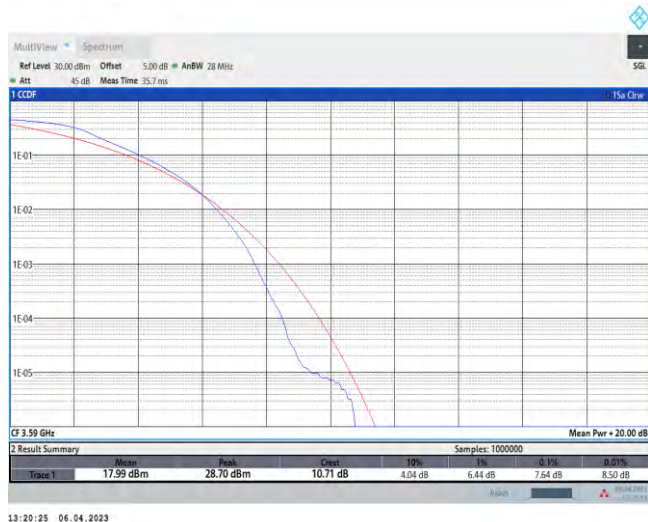
**Band42-20MHz-QPSK-43340-100RB#0**



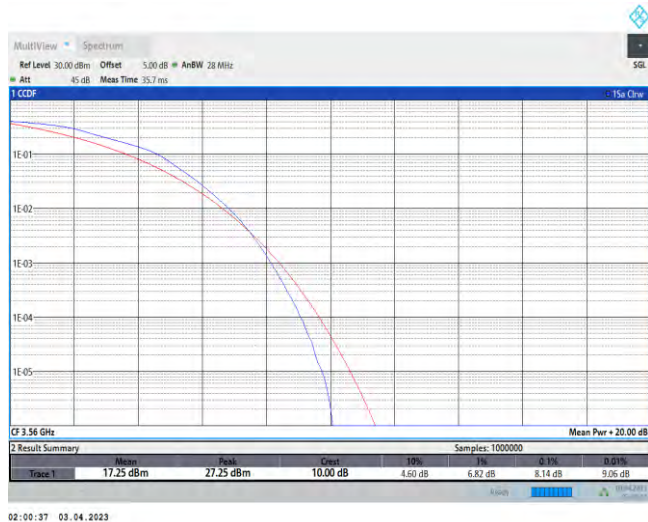
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**Band42-20MHz-QPSK-43490-100RB#0**



**Band42-20MHz-16QAM-43190-100RB#0**



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**Band42-20MHz-16QAM-43340-100RB#0**



02:01:44 03.04.2023

**Band42-20MHz-16QAM-43490-100RB#0**

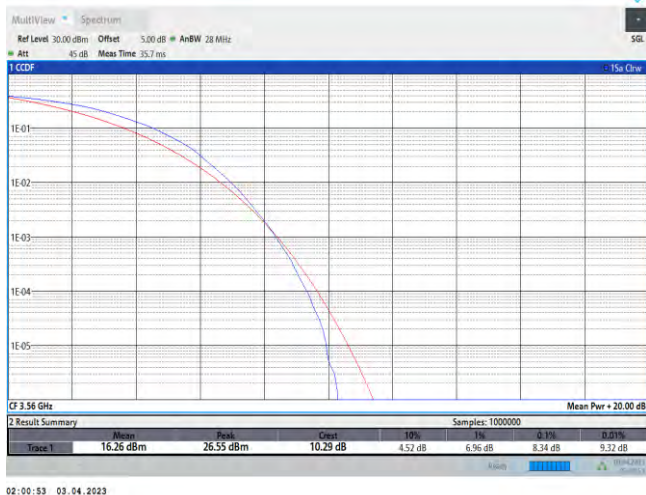


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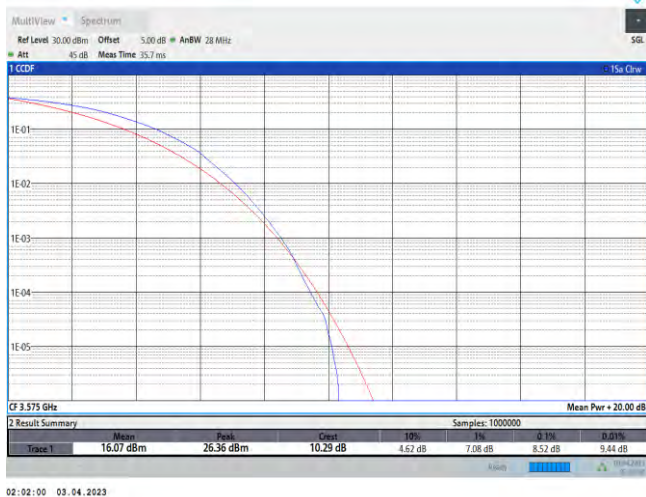


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**Band42-20MHz-64QAM-43190-100RB#0**



**Band42-20MHz-64QAM-43340-100RB#0**



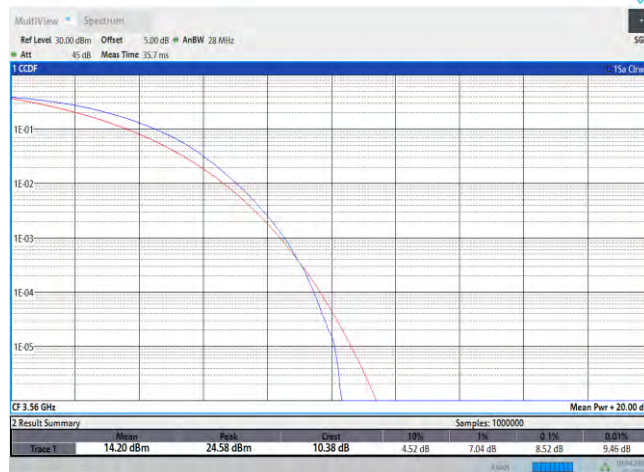
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**Band42-20MHz-64QAM-43490-100RB#0**



**Band42-20MHz-256QAM-43190-100RB#0**



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**Band42-20MHz-256QAM-43340-100RB#0**



02:02:17 03.04.2023

**Band42-20MHz-256QAM-43490-100RB#0**



02:03:25 03.04.2023



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## Modulation Characteristics

### Test Result

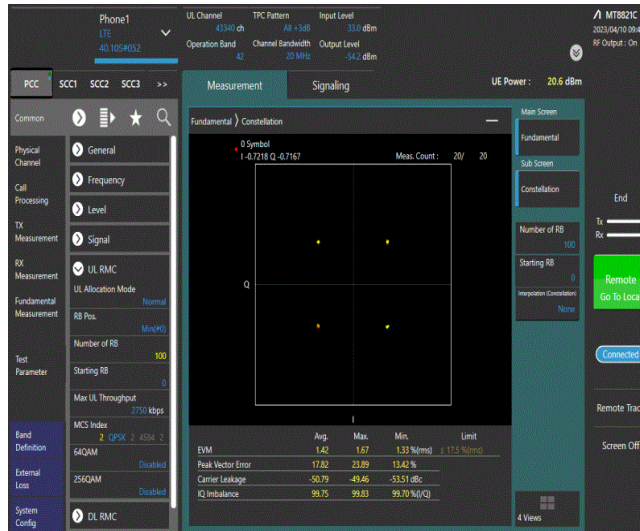
Band	Bandwidth	Modulation	Channel	RB Configuration	Result	Verdict
Band42	20MHz	QPSK	43340	100RB#0	PASS	PASS
Band42	20MHz	16QAM	43340	100RB#0	PASS	PASS
Band42	20MHz	64QAM	43340	100RB#0	PASS	PASS
Band42	20MHz	256QAM	43340	100RB#0	PASS	PASS



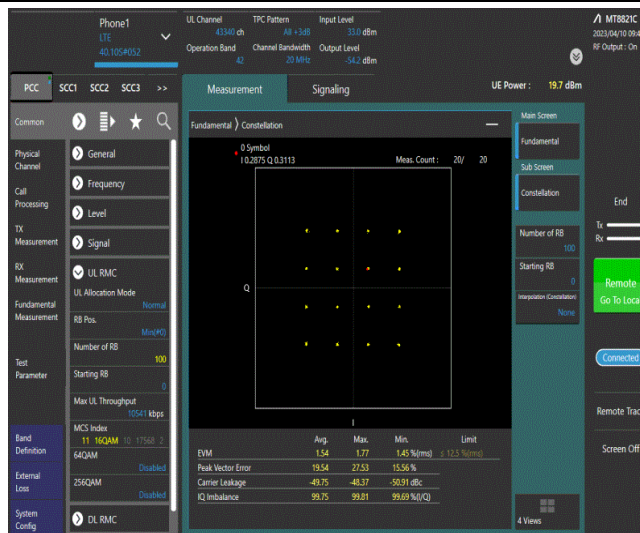
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## Test Graphs

Band42-20MHz-QPSK-43340-100RB#0



Band42-20MHz-16QAM-43340-100RB#0

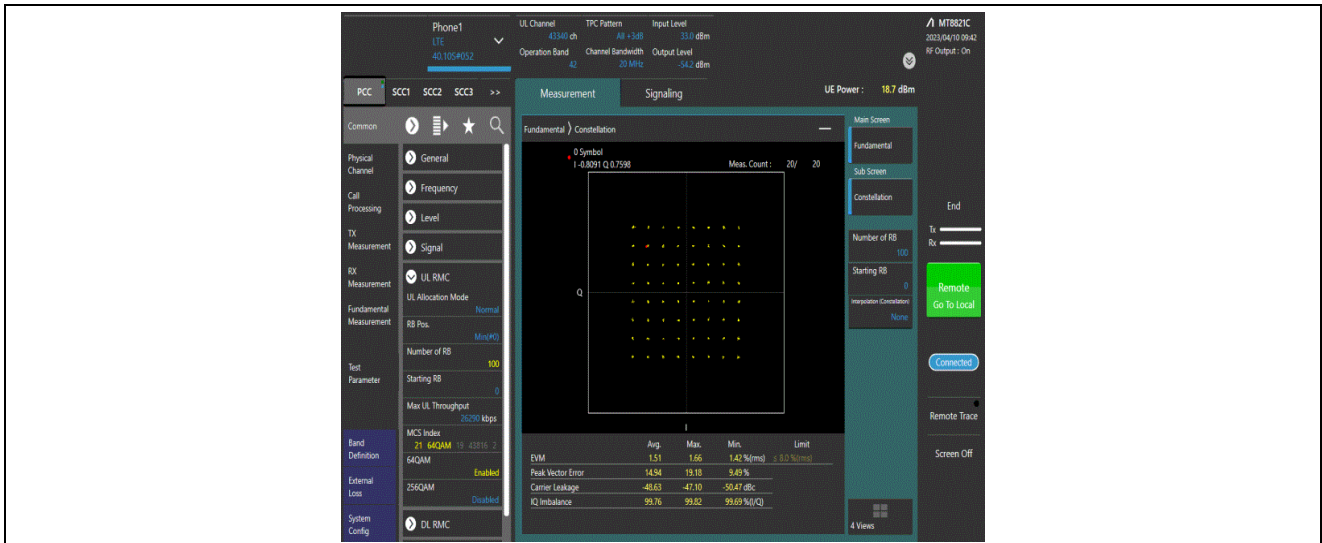


Band42-20MHz-64QAM-43340-100RB#0

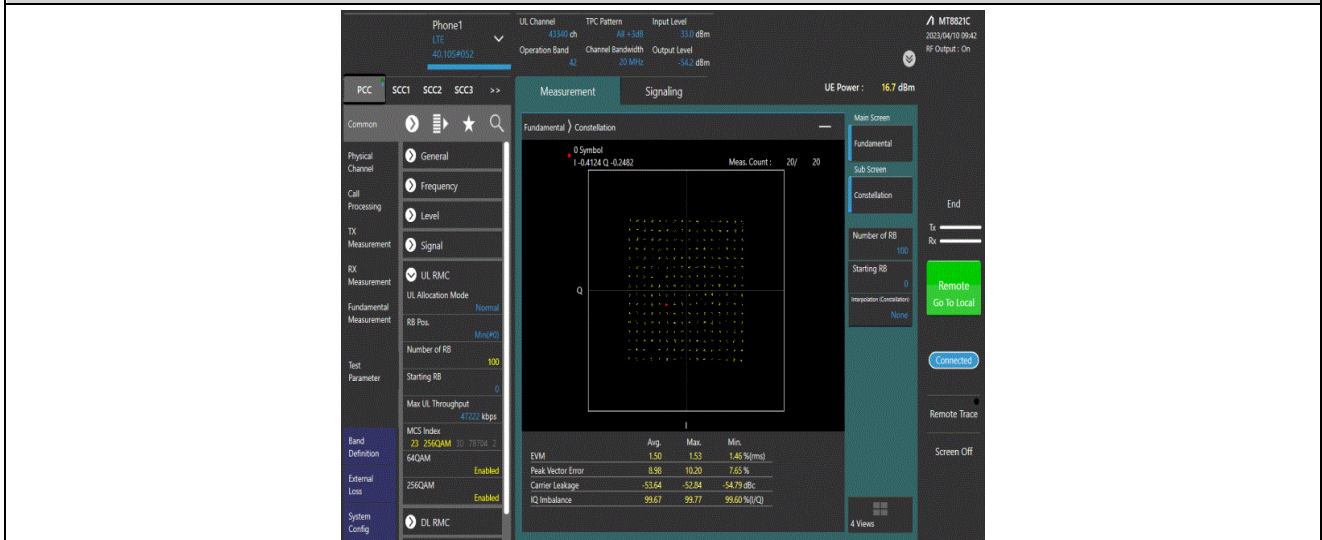


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Band42-20MHz-256QAM-43340-100RB#0



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## 26dB Bandwidth and Occupied Bandwidth

### Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band42	5MHz	QPSK	43115	25RB#0	4.485	4.98	PASS
Band42	5MHz	QPSK	43340	25RB#0	4.482	5.08	PASS
Band42	5MHz	QPSK	43565	25RB#0	4.479	5.06	PASS
Band42	5MHz	16QAM	43115	25RB#0	4.498	5.24	PASS
Band42	5MHz	16QAM	43340	25RB#0	4.493	5.17	PASS
Band42	5MHz	16QAM	43565	25RB#0	4.491	5.14	PASS
Band42	5MHz	64QAM	43115	25RB#0	4.498	4.95	PASS
Band42	5MHz	64QAM	43340	25RB#0	4.502	5.04	PASS
Band42	5MHz	64QAM	43565	25RB#0	4.499	5.05	PASS
Band42	5MHz	256QAM	43115	25RB#0	4.487	5.20	PASS
Band42	5MHz	256QAM	43340	25RB#0	4.483	5.14	PASS
Band42	5MHz	256QAM	43565	25RB#0	4.482	5.20	PASS
Band42	10MHz	QPSK	43140	50RB#0	8.974	9.87	PASS
Band42	10MHz	QPSK	43340	50RB#0	8.971	9.77	PASS
Band42	10MHz	QPSK	43540	50RB#0	8.978	9.83	PASS
Band42	10MHz	16QAM	43140	50RB#0	8.977	9.83	PASS
Band42	10MHz	16QAM	43340	50RB#0	8.973	9.83	PASS
Band42	10MHz	16QAM	43540	50RB#0	8.964	9.80	PASS
Band42	10MHz	64QAM	43140	50RB#0	8.987	10.20	PASS
Band42	10MHz	64QAM	43340	50RB#0	8.999	10.43	PASS
Band42	10MHz	64QAM	43540	50RB#0	8.988	10.47	PASS
Band42	10MHz	256QAM	43140	50RB#0	8.965	9.90	PASS
Band42	10MHz	256QAM	43340	50RB#0	8.973	9.97	PASS
Band42	10MHz	256QAM	43540	50RB#0	8.968	9.83	PASS
Band42	15MHz	QPSK	43165	75RB#0	13.472	15.45	PASS
Band42	15MHz	QPSK	43340	75RB#0	13.495	16.10	PASS
Band42	15MHz	QPSK	43515	75RB#0	13.5	16.20	PASS
Band42	15MHz	16QAM	43165	75RB#0	13.487	14.75	PASS
Band42	15MHz	16QAM	43340	75RB#0	13.465	14.75	PASS
Band42	15MHz	16QAM	43515	75RB#0	13.471	14.80	PASS
Band42	15MHz	64QAM	43165	75RB#0	13.476	14.75	PASS
Band42	15MHz	64QAM	43340	75RB#0	13.477	14.75	PASS



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Band42	15MHz	64QAM	43515	75RB#0	13.473	14.75	PASS
Band42	15MHz	256QAM	43165	75RB#0	13.453	14.80	PASS
Band42	15MHz	256QAM	43340	75RB#0	13.488	14.80	PASS
Band42	15MHz	256QAM	43515	75RB#0	13.46	14.80	PASS
Band42	20MHz	QPSK	43190	100RB#0	18.04	20.80	PASS
Band42	20MHz	QPSK	43340	100RB#0	18.041	21.07	PASS
Band42	20MHz	QPSK	43490	100RB#0	18.044	20.93	PASS
Band42	20MHz	16QAM	43190	100RB#0	18.042	21.27	PASS
Band42	20MHz	16QAM	43340	100RB#0	17.992	19.73	PASS
Band42	20MHz	16QAM	43490	100RB#0	17.985	19.93	PASS
Band42	20MHz	64QAM	43190	100RB#0	18.003	20.07	PASS
Band42	20MHz	64QAM	43340	100RB#0	17.981	20.20	PASS
Band42	20MHz	64QAM	43490	100RB#0	17.971	20.20	PASS
Band42	20MHz	256QAM	43190	100RB#0	17.984	19.80	PASS
Band42	20MHz	256QAM	43340	100RB#0	17.987	19.53	PASS
Band42	20MHz	256QAM	43490	100RB#0	18.001	19.60	PASS



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### Test Graphs

Band42-5MHz-QPSK-43115-25RB#0



01:27:13 03.04.2023

Band42-5MHz-QPSK-43340-25RB#0

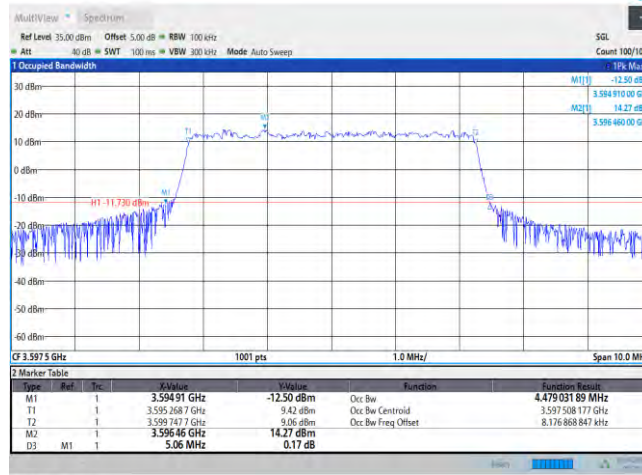


01:28:50 03.04.2023



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### Band42-5MHz-QPSK-43565-25RB#0



01:30:27 03.04.2023

### Band42-5MHz-16QAM-43115-25RB#0



01:27:36 03.04.2023

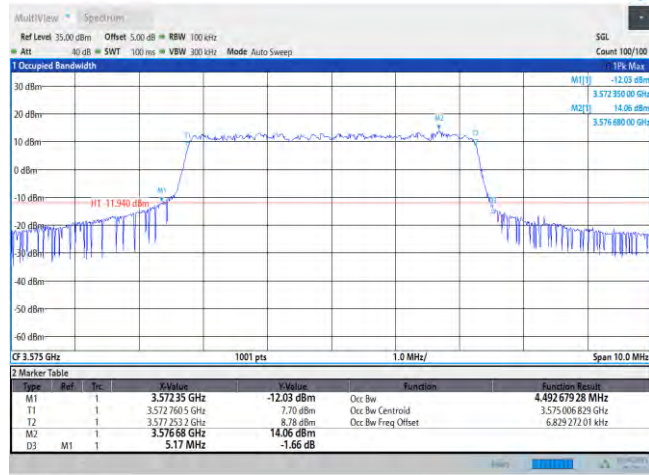


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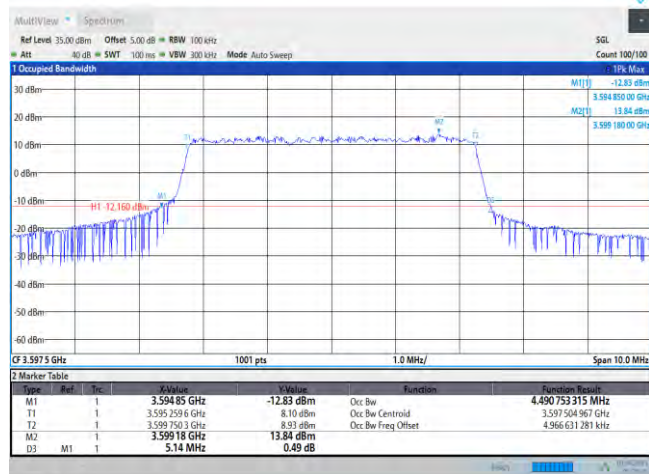
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### Band42-5MHz-16QAM-43340-25RB#0



01:29:13 03.04.2023

### Band42-5MHz-16QAM-43565-25RB#0

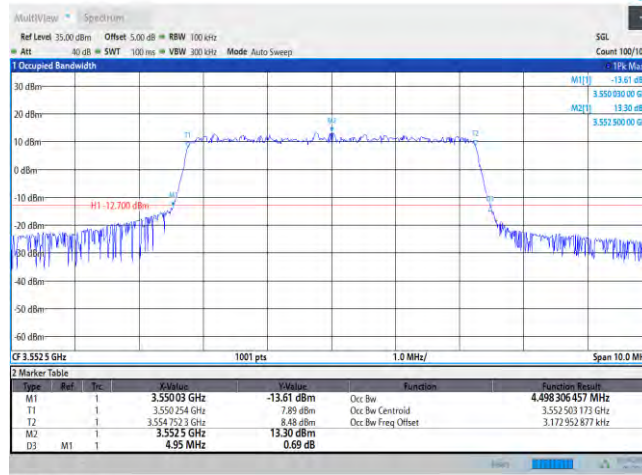


01:30:50 03.04.2023



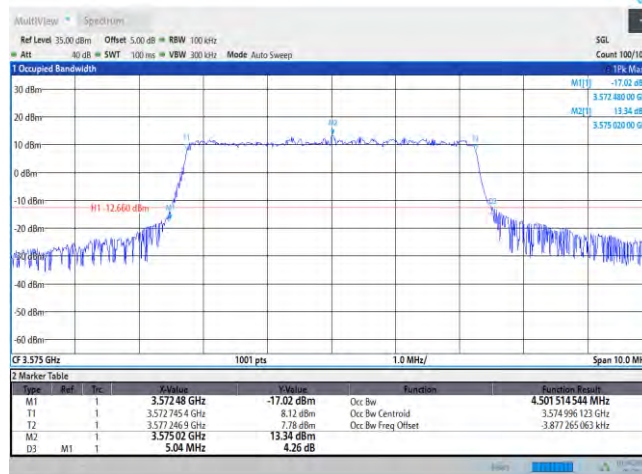
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### Band42-5MHz-64QAM-43115-25RB#0



01:28:00 03.04.2023

### Band42-5MHz-64QAM-43340-25RB#0



01:29:37 03.04.2023



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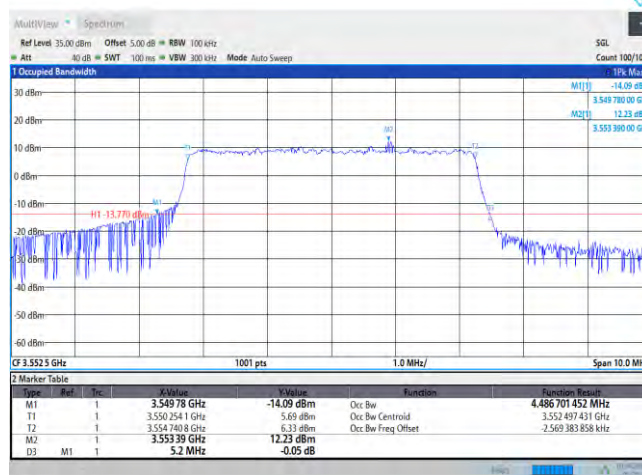
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**Band42-5MHz-64QAM-43565-25RB#0**



01:31:13 03.04.2023

**Band42-5MHz-256QAM-43115-25RB#0**



01:28:23 03.04.2023

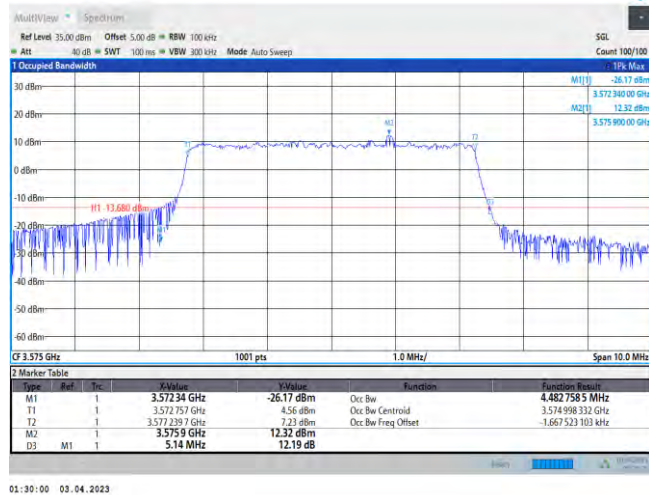


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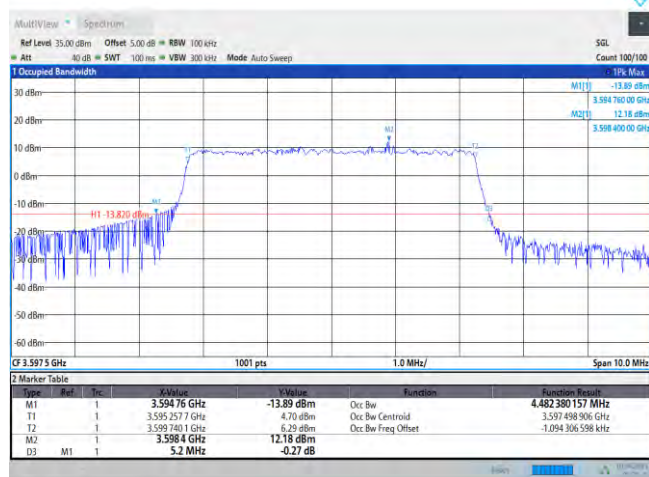


### Band42-5MHz-256QAM-43340-25RB#0



01:30:00 03.04.2023

### Band42-5MHz-256QAM-43565-25RB#0



01:31:36 03.04.2023



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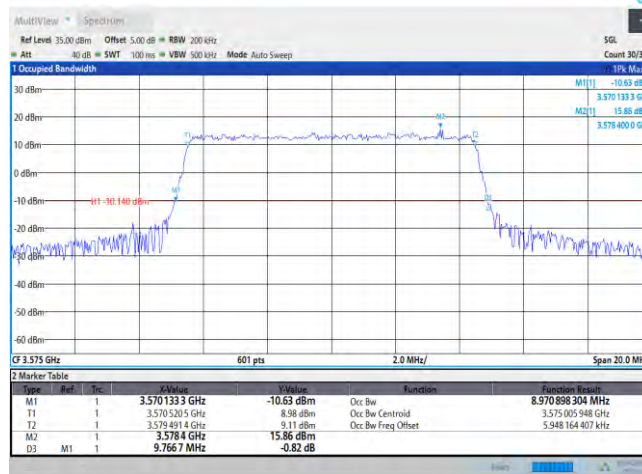
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### Band42-10MHz-QPSK-43140-50RB#0



01:41:37 03.04.2023

### Band42-10MHz-QPSK-43340-50RB#0



01:42:44 03.04.2023



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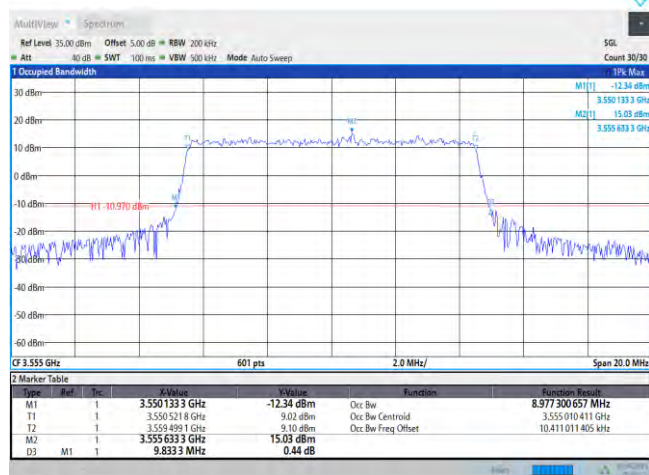
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### Band42-10MHz-QPSK-43540-50RB#0



01:43:53 03.04.2023

### Band42-10MHz-16QAM-43140-50RB#0



01:41:53 03.04.2023

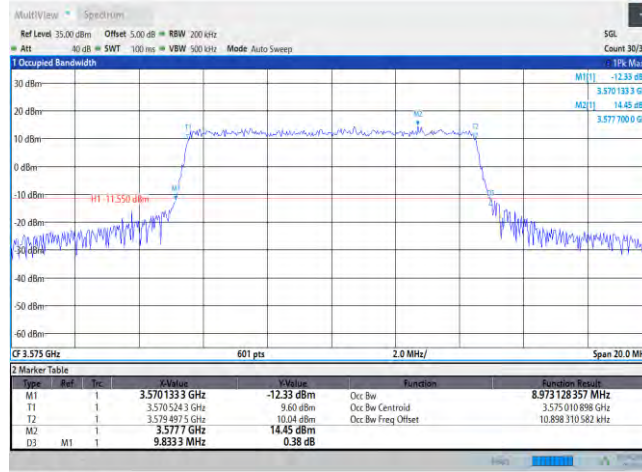


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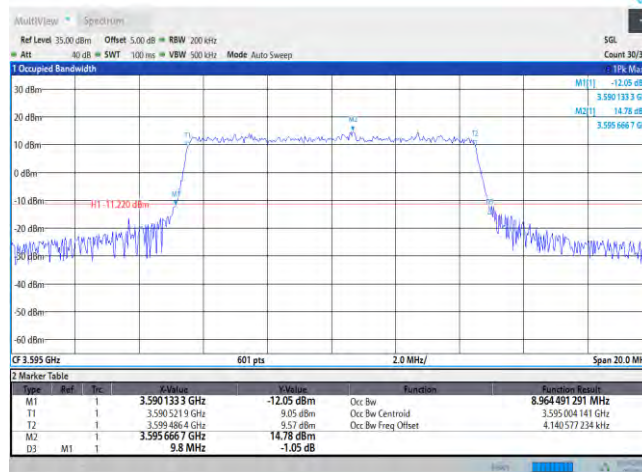
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### Band42-10MHz-16QAM-43340-50RB#0



01:43:00 03.04.2023

### Band42-10MHz-16QAM-43540-50RB#0



01:44:09 03.04.2023

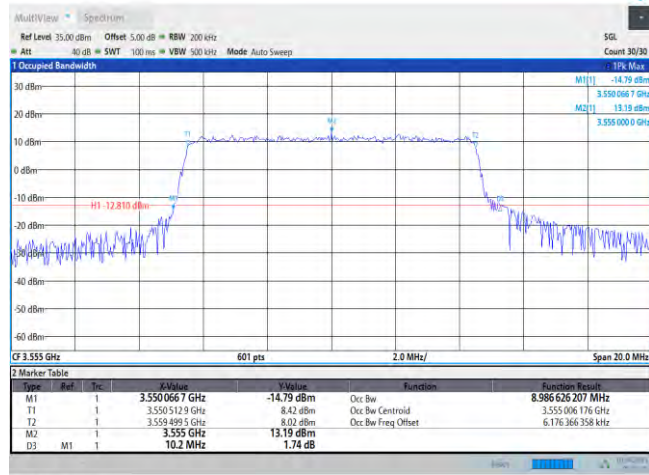


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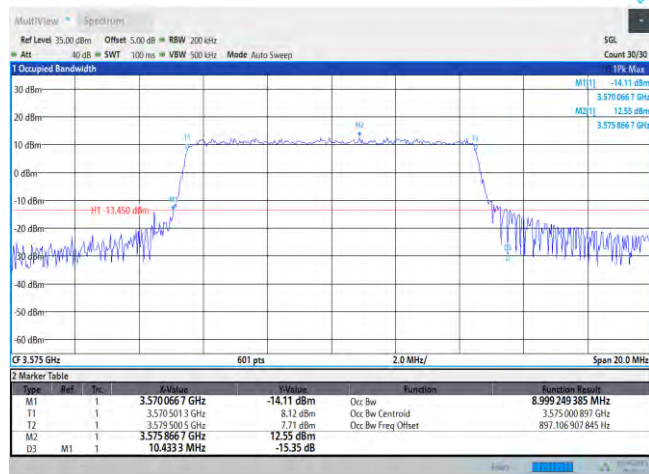
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### Band42-10MHz-64QAM-43140-50RB#0



01:42:09 03.04.2023

### Band42-10MHz-64QAM-43340-50RB#0



01:43:17 03.04.2023



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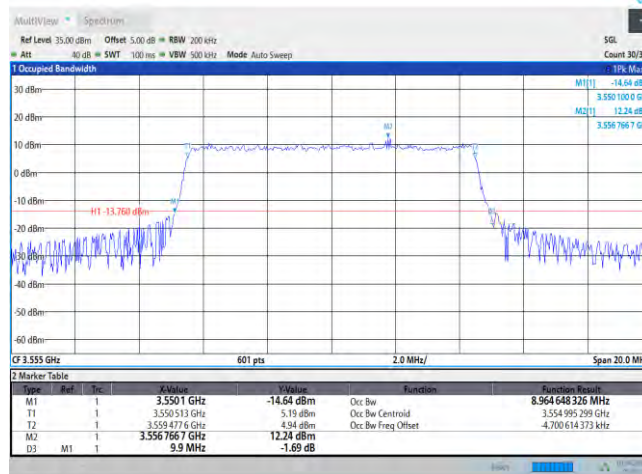
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### Band42-10MHz-64QAM-43540-50RB#0



01:44:25 03.04.2023

### Band42-10MHz-256QAM-43140-50RB#0



01:42:26 03.04.2023

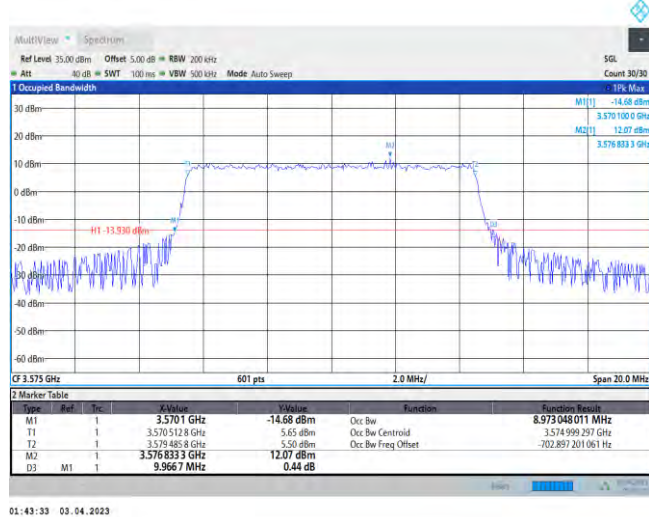


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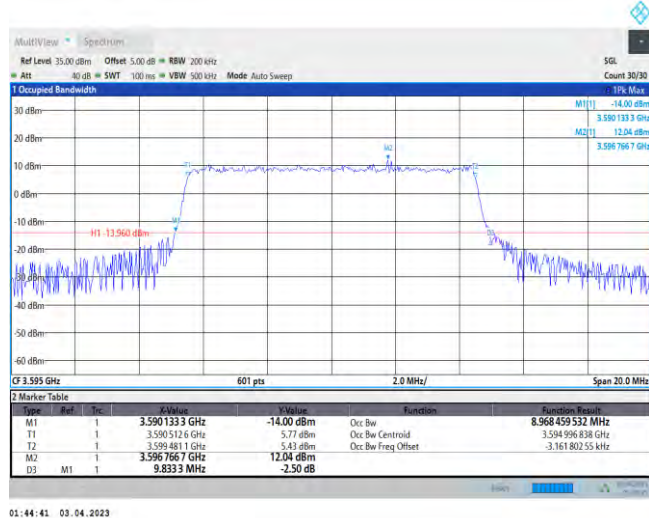
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### Band42-10MHz-256QAM-43340-50RB#0



01:43:33 03.04.2023

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01:44:41 03.04.2023

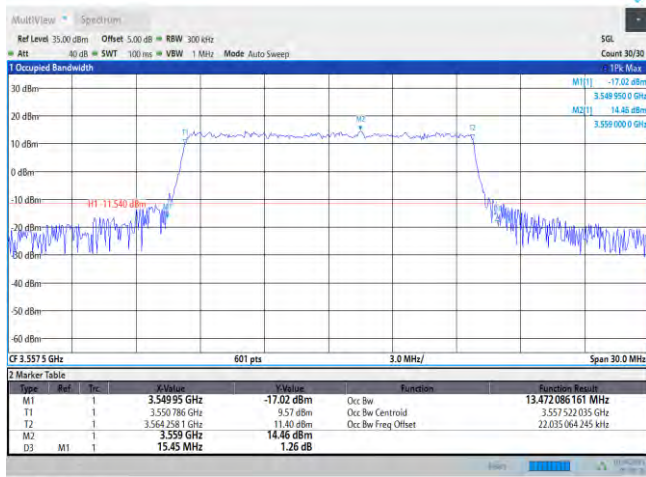


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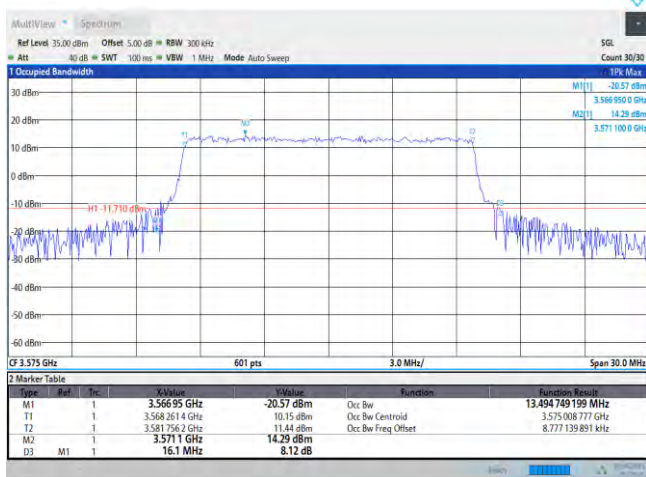
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### Band42-15MHz-QPSK-43165-75RB#0



01:48:59 03.04.2023

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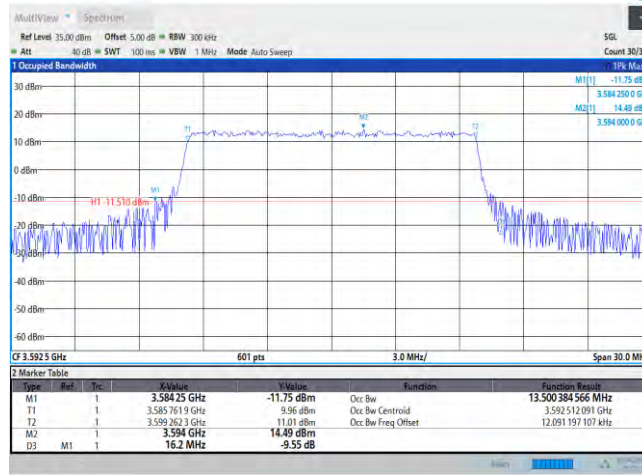
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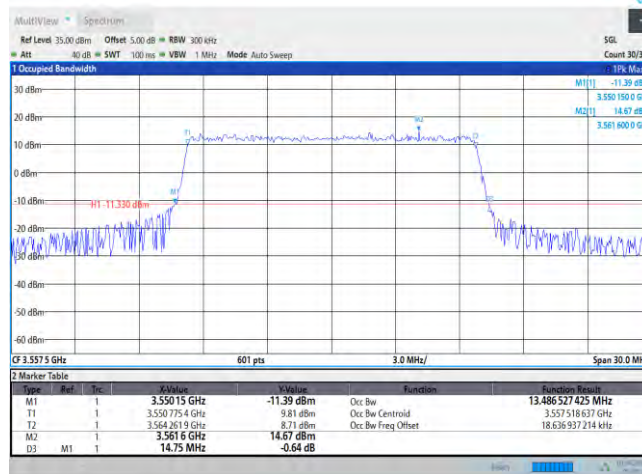


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01:51:12 03.04.2023

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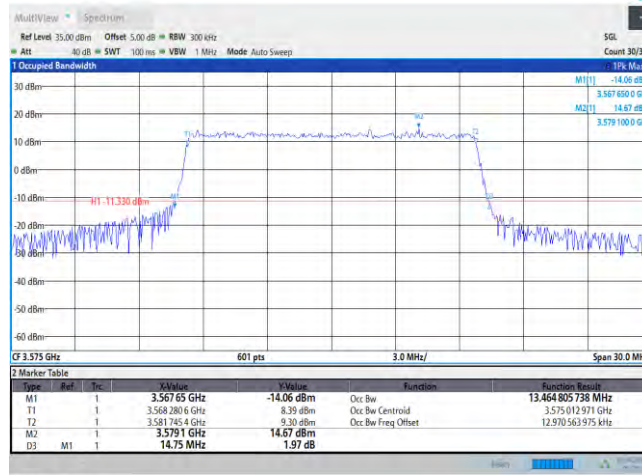


01:49:15 03.04.2023



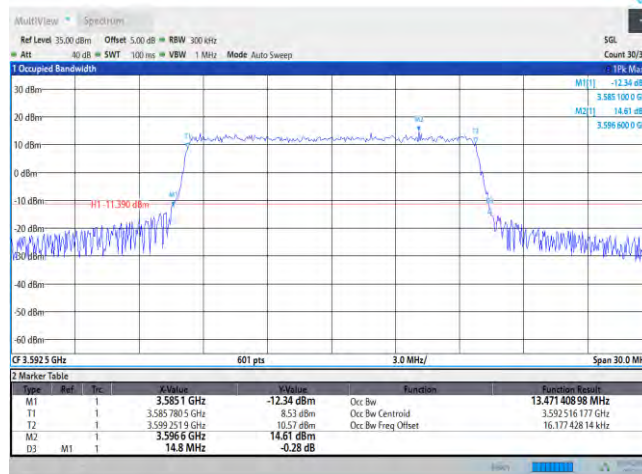
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### Band42-15MHz-16QAM-43340-75RB#0



01:50:22 03.04.2023

### Band42-15MHz-16QAM-43515-75RB#0

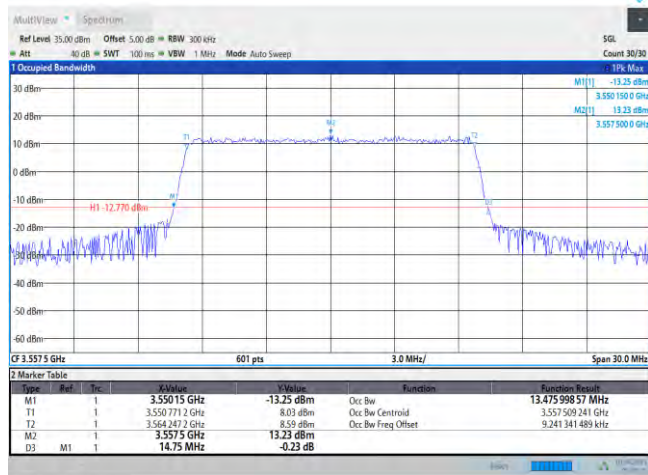


01:51:28 03.04.2023



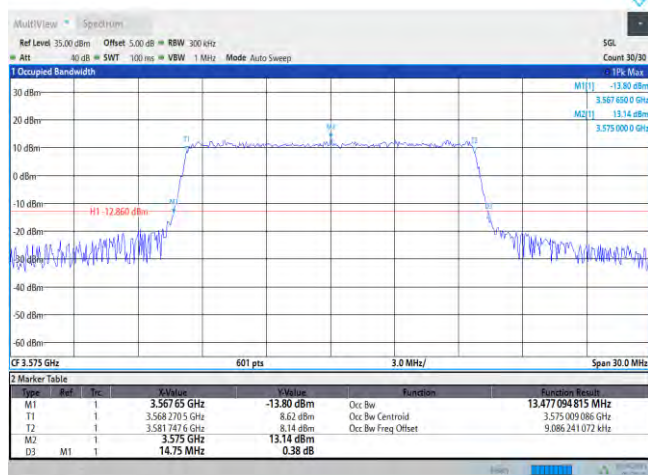
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### Band42-15MHz-64QAM-43165-75RB#0



01:49:31 03.04.2023

### Band42-15MHz-64QAM-43340-75RB#0

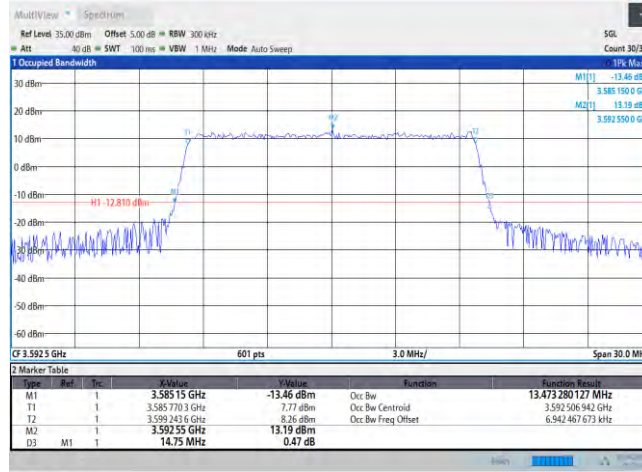


01:50:38 03.04.2023



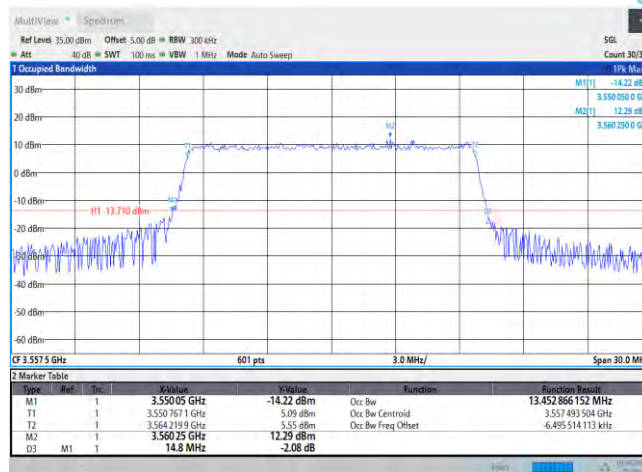
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**Band42-15MHz-64QAM-43515-75RB#0**



01:51:45 03.04.2023

**Band42-15MHz-256QAM-43165-75RB#0**



01:49:47 03.04.2023

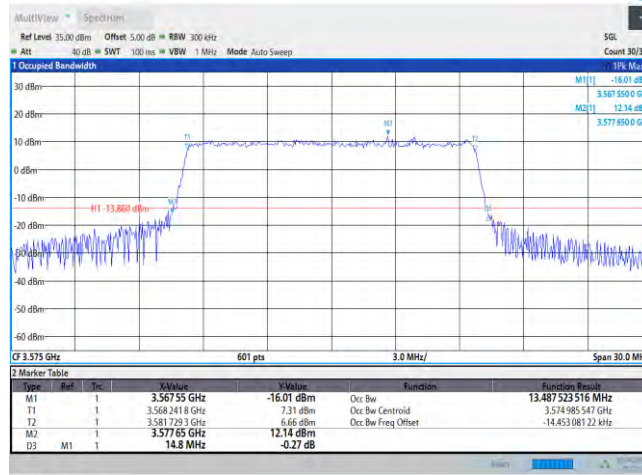


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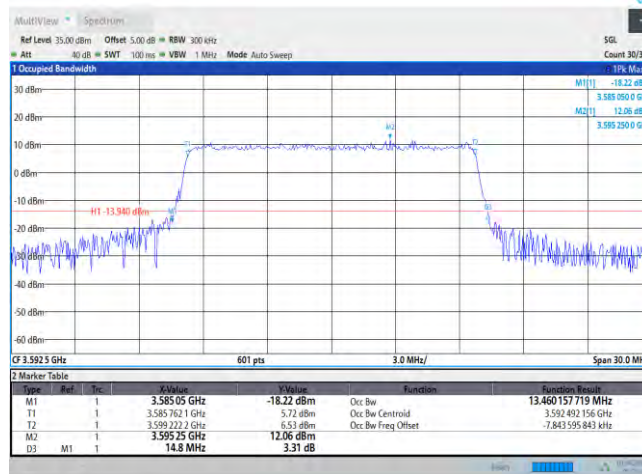
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### Band42-15MHz-256QAM-43340-75RB#0



01:50:54 03.04.2023

### Band42-15MHz-256QAM-43515-75RB#0



01:52:01 03.04.2023



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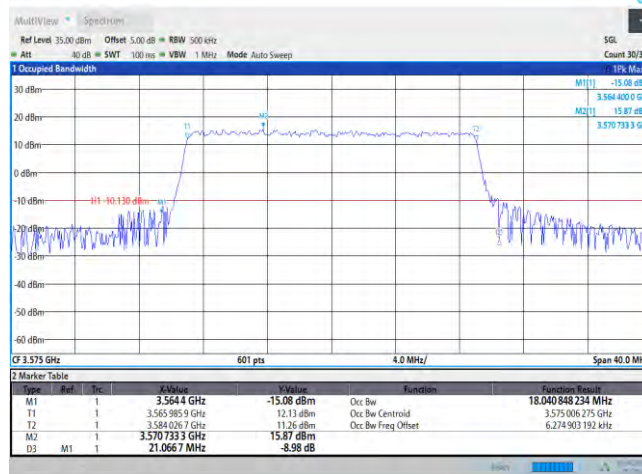
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### Band42-20MHz-QPSK-43190-100RB#0



01:57:51 03.04.2023

### Band42-20MHz-QPSK-43340-100RB#0



01:58:08 03.04.2023

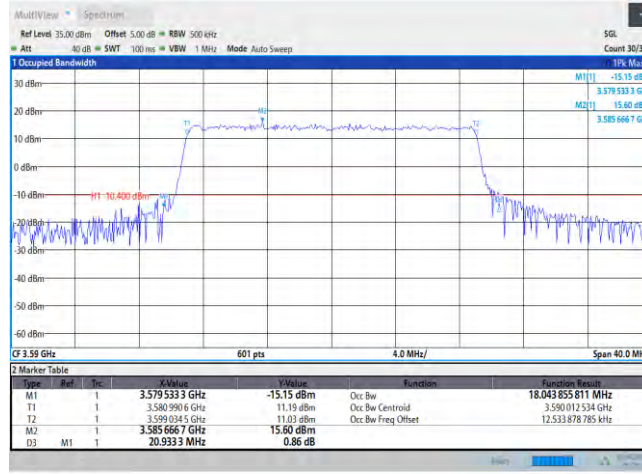


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## Band42-20MHz-QPSK-43490-100RB#0



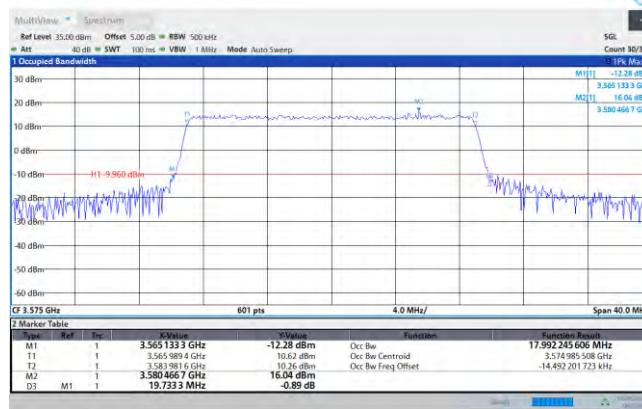
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00:08:53 18.04.2023

## Band42-20MHz-16QAM-43340-100RB#0



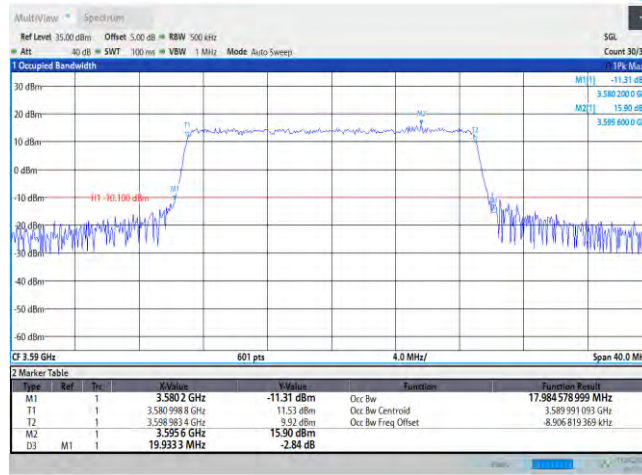
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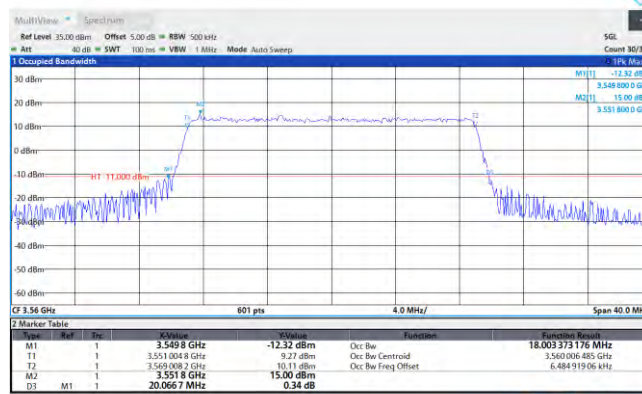
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### Band42-20MHz-16QAM-43490-100RB#0



00:11:09 18.04.2023

### Band42-20MHz-64QAM-43190-100RB#0



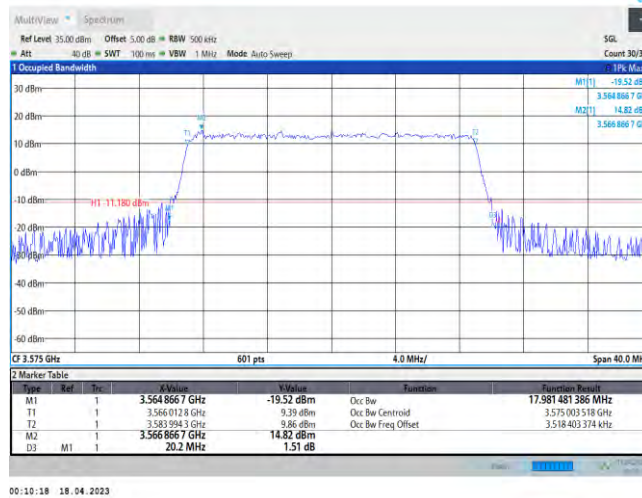
00:09:10 18.04.2023



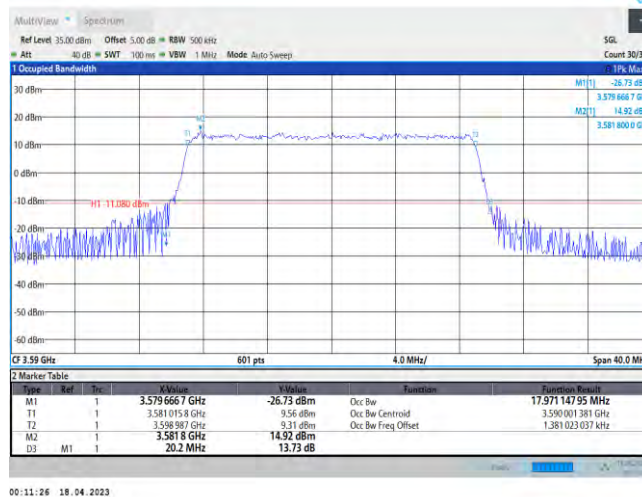
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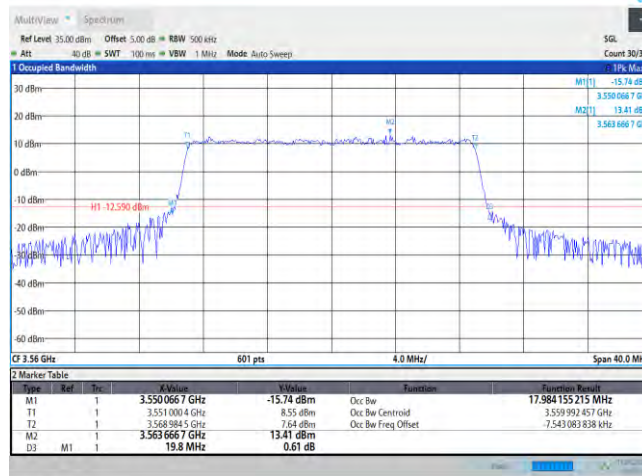


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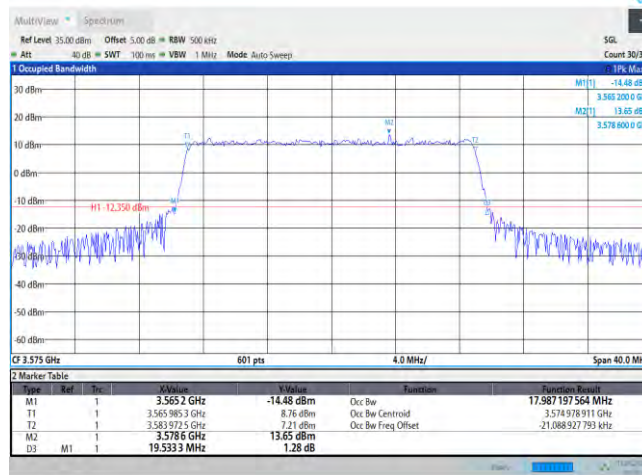
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### Band42-20MHz-256QAM-43190-100RB#0



00:09:26 18.04.2023

### Band42-20MHz-256QAM-43340-100RB#0

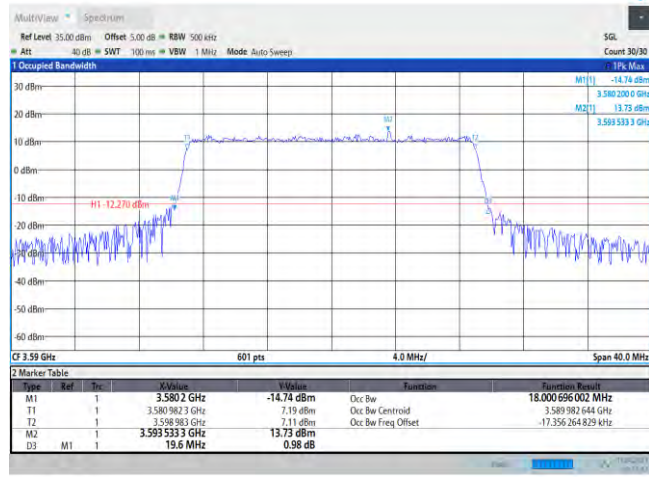


00:10:34 18.04.2023



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### Band42-20MHz-256QAM-43490-100RB#0



00:11:43 18.04.2023

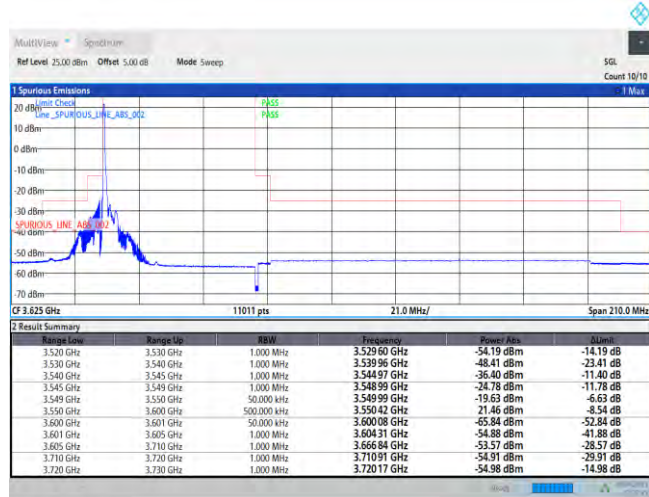


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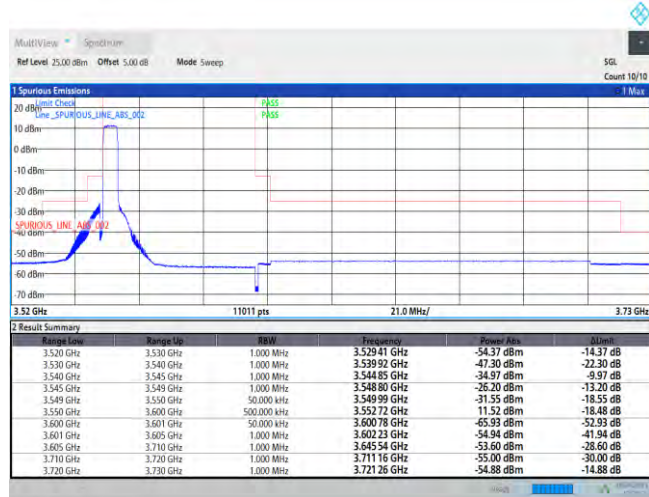
**Band Edge**

**Test Graphs**

**Band42-5MHz-QPSK-43115-1RB#0**



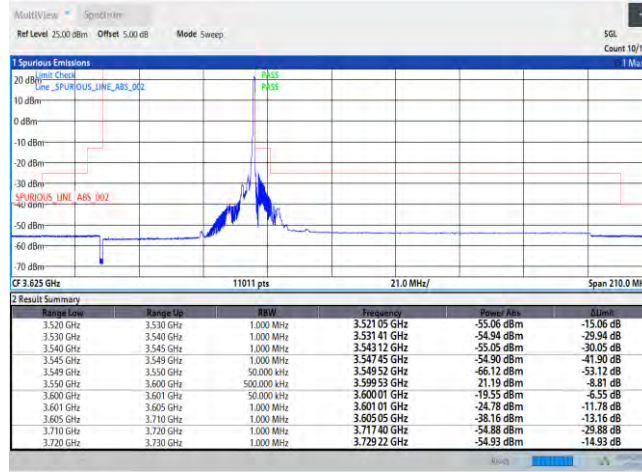
**Band42-5MHz-QPSK-43115-25RB#0**



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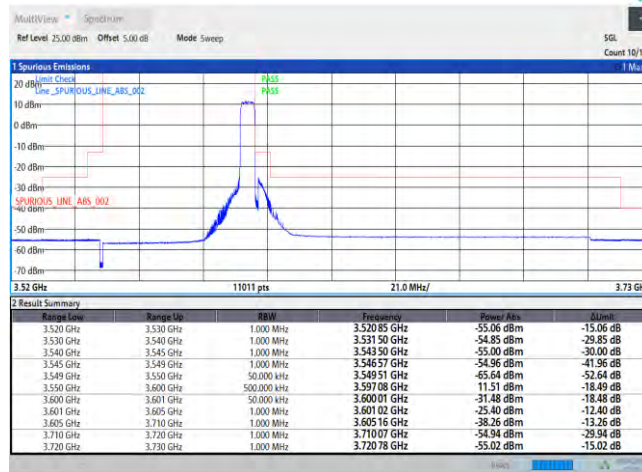
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### Band42-5MHz-QPSK-43565-1RB#24



13:00:32 06.04.2023

### Band42-5MHz-QPSK-43565-25RB#0



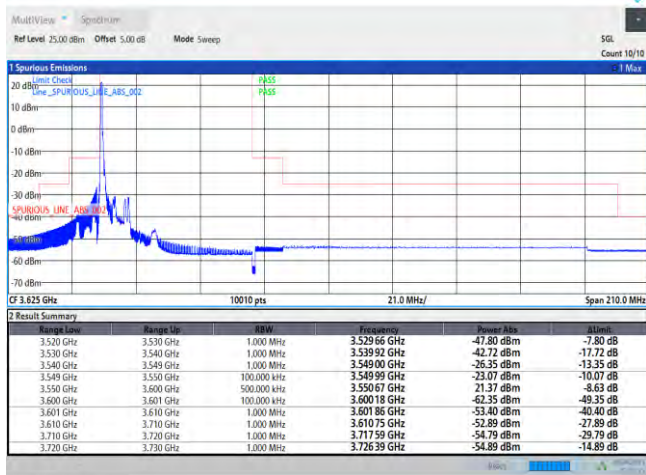
13:01:44 06.04.2023



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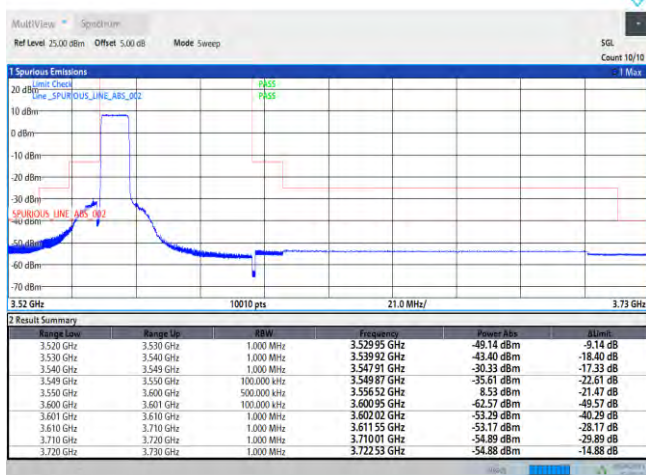
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### Band42-10MHz-QPSK-43140-1RB#0



13:03:14 06.04.2023

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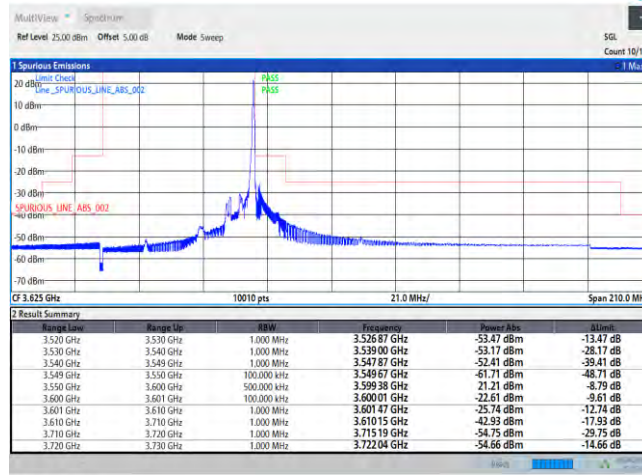


13:04:20 06.04.2023



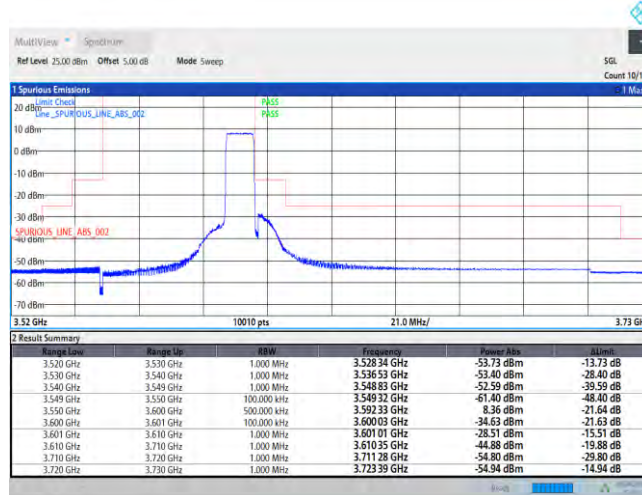
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13:05:47 06.04.2023

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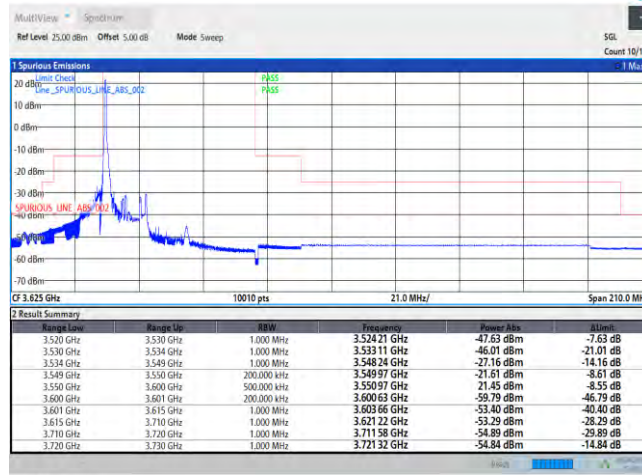


13:06:52 06.04.2023



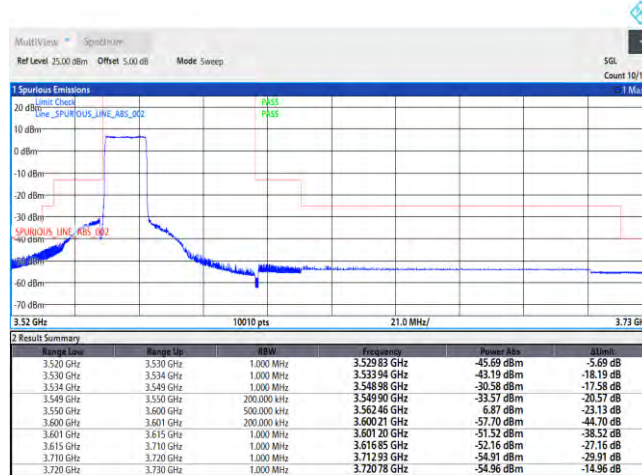
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### Band42-15MHz-QPSK-43165-1RB#0



13:08:23 06.04.2023

### Band42-15MHz-QPSK-43165-75RB#0



13:09:29 06.04.2023

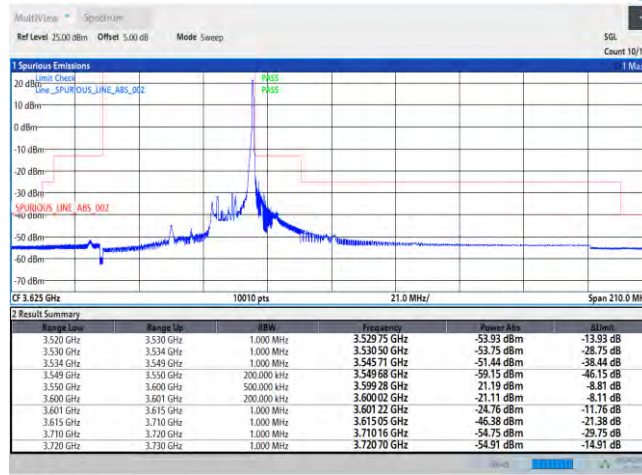


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 中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

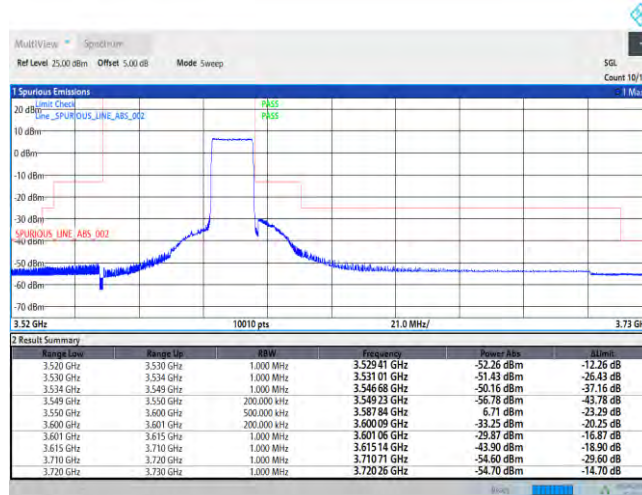


### Band42-15MHz-QPSK-43515-1RB#74



13:10:58 06.04.2023

### Band42-15MHz-QPSK-43515-75RB#0

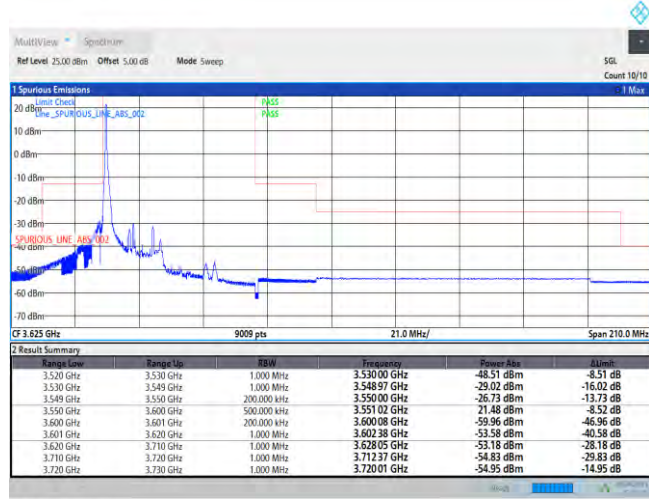


13:12:03 06.04.2023



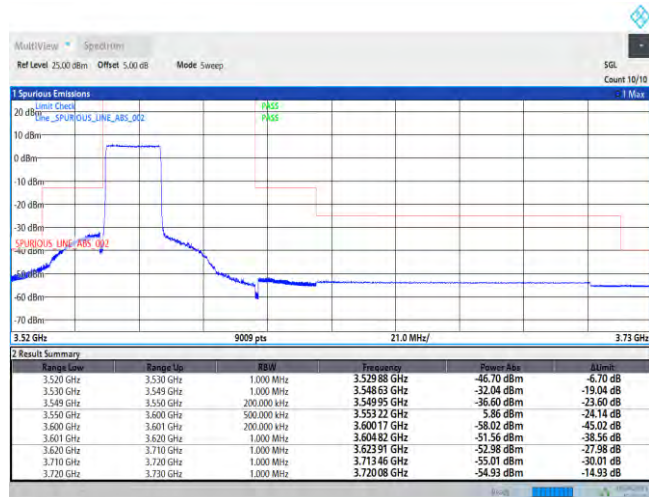
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### Band42-20MHz-QPSK-43190-1RB#0



13:13:27 06.04.2023

### Band42-20MHz-QPSK-43190-100RB#0

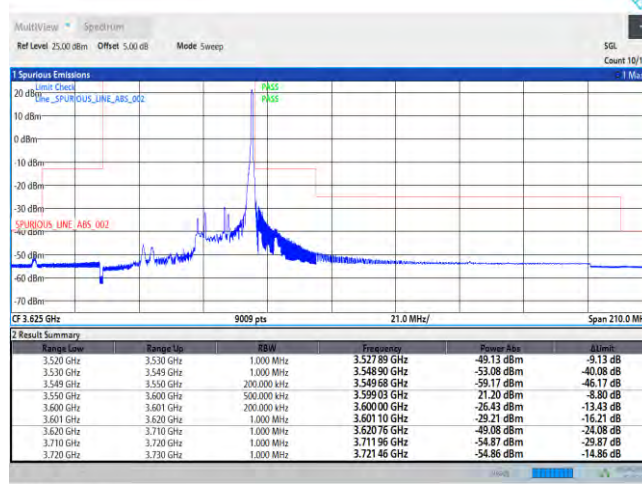


13:14:29 06.04.2023



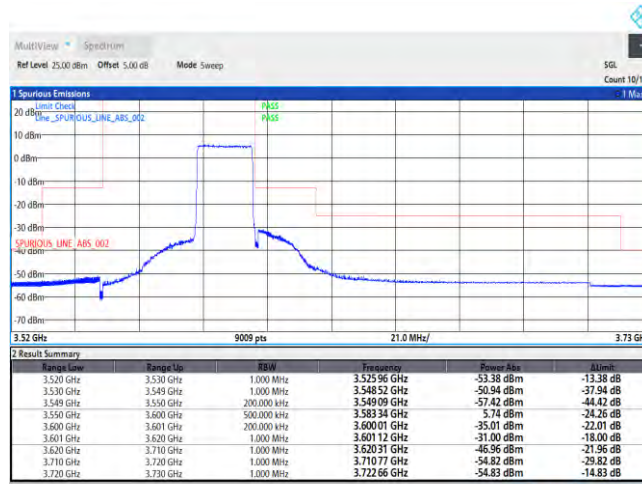
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### Band42-20MHz-QPSK-43490-1RB#99



13:15:54 06.04.2023

### Band42-20MHz-QPSK-43490-100RB#0



13:16:54 06.04.2023



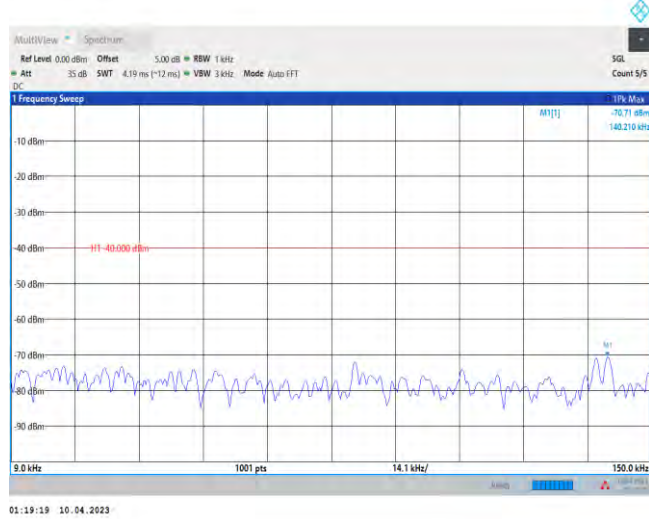
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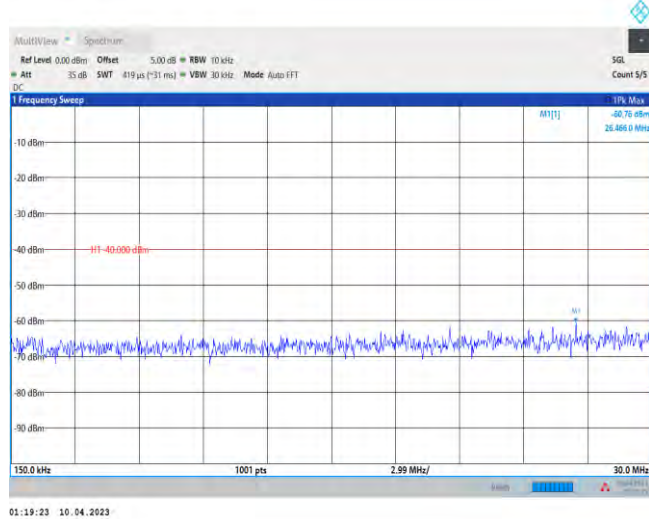
## Conducted Spurious Emission

### Test Graphs

Band42-20MHz-QPSK-43190-1RB#0-Range1:0.009~0.15MHz

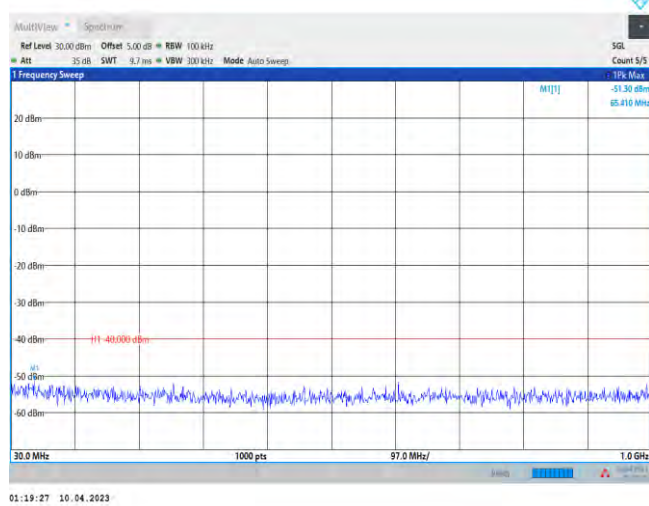


Band42-20MHz-QPSK-43190-1RB#0-Range2:0.15~30MHz

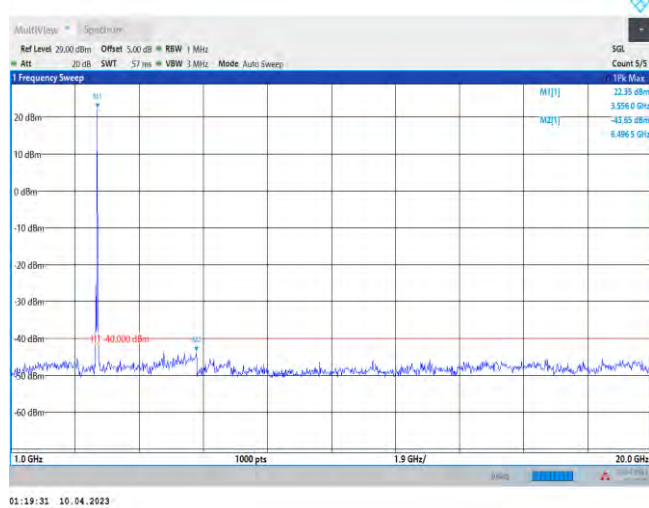


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**Band42-20MHz-QPSK-43190-1RB#0-Range3:30~1000MHz**

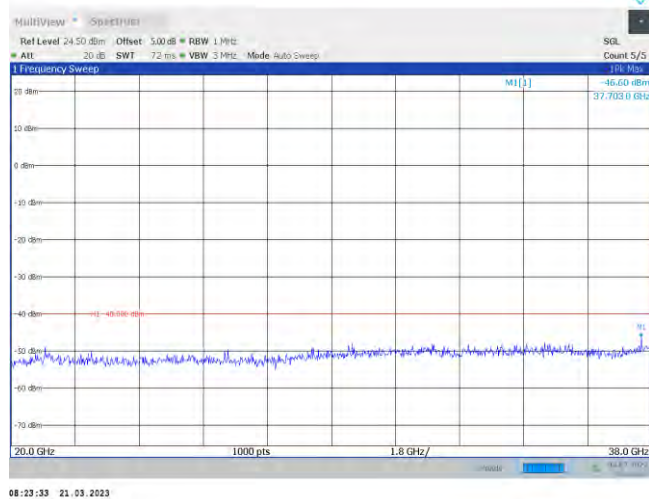


**Band42-20MHz-QPSK-43190-1RB#0-Range4:1000~20000MHz**



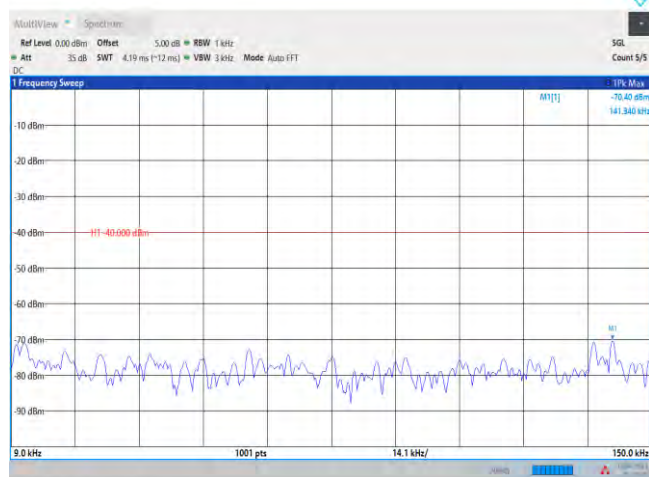
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**Band42-20MHz-QPSK-43190-1RB#0-Range5:20000~38000MHz**



08:23:33 21.03.2023

**Band42-20MHz-QPSK-43340-1RB#0-Range1:0.009~0.15MHz**

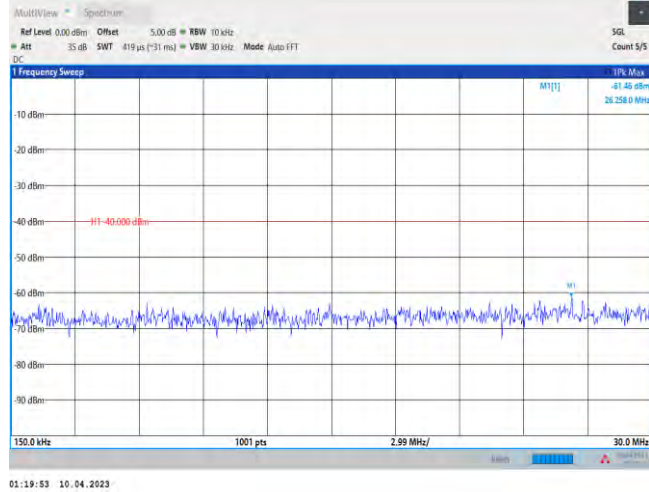


01:19:49 10.04.2023

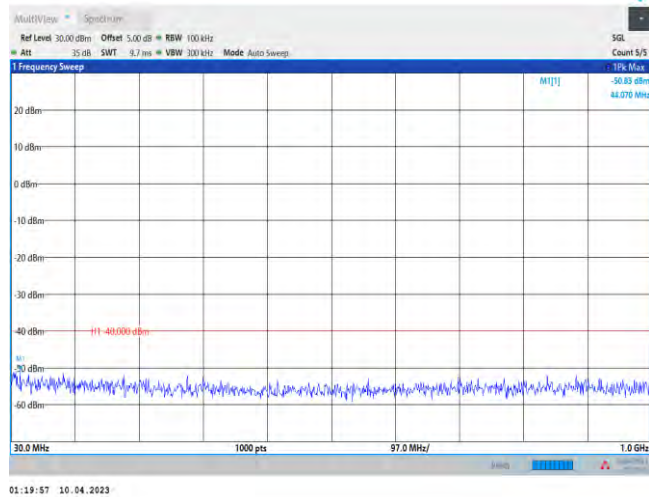


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**Band42-20MHz-QPSK-43340-1RB#0-Range2:0.15~30MHz**

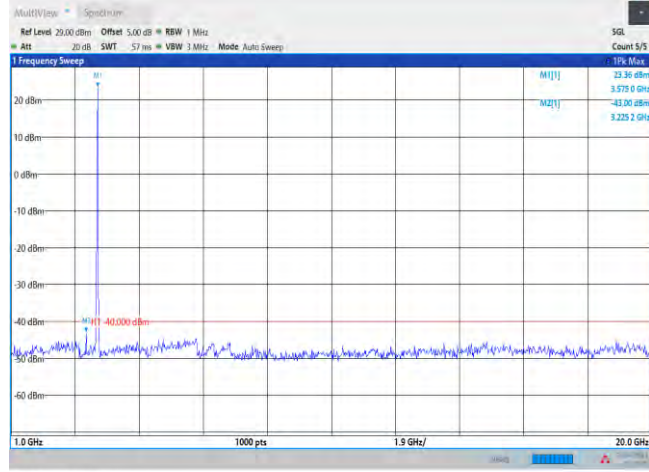


**Band42-20MHz-QPSK-43340-1RB#0-Range3:30~1000MHz**



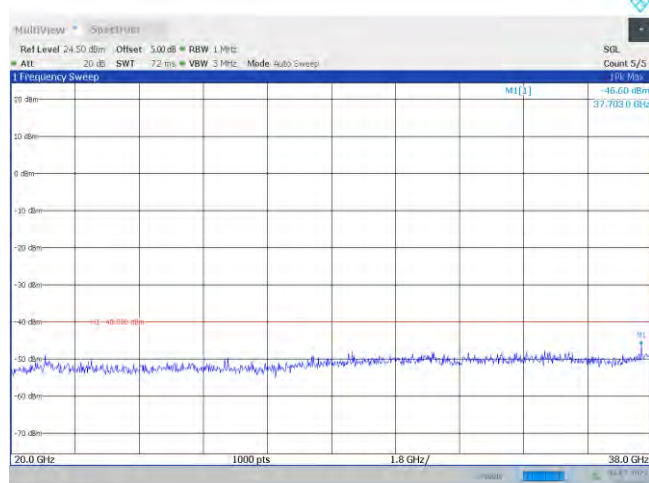
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**Band42-20MHz-QPSK-43340-1RB#0-Range4:1000~20000MHz**



01:20:01 10.04.2023

**Band42-20MHz-QPSK-43340-1RB#0-Range5:20000~38000MHz**



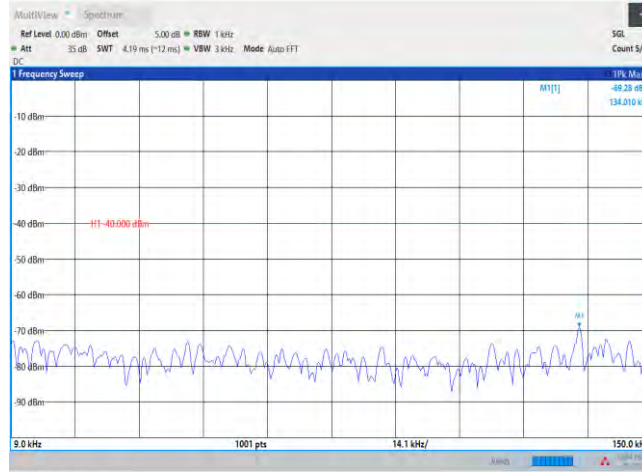
08:23:33 21.03.2023



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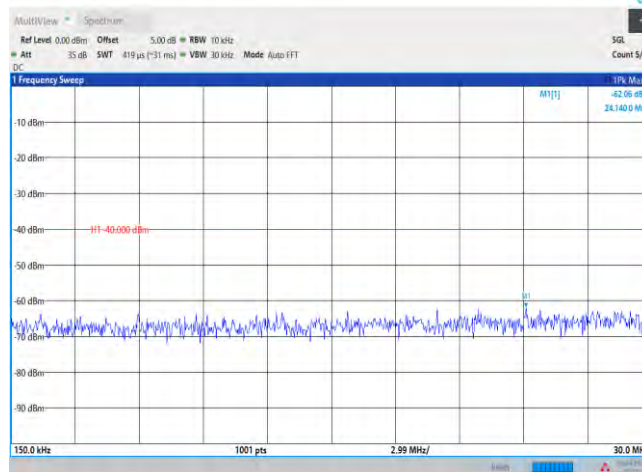


**Band42-20MHz-QPSK-43490-1RB#0-Range1:0.009~0.15MHz**



01:20:19 10.04.2023

**Band42-20MHz-QPSK-43490-1RB#0-Range2:0.15~30MHz**

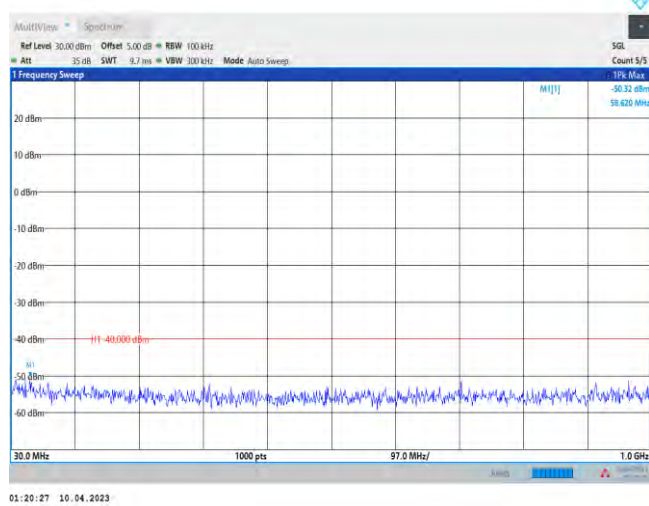


01:20:23 10.04.2023

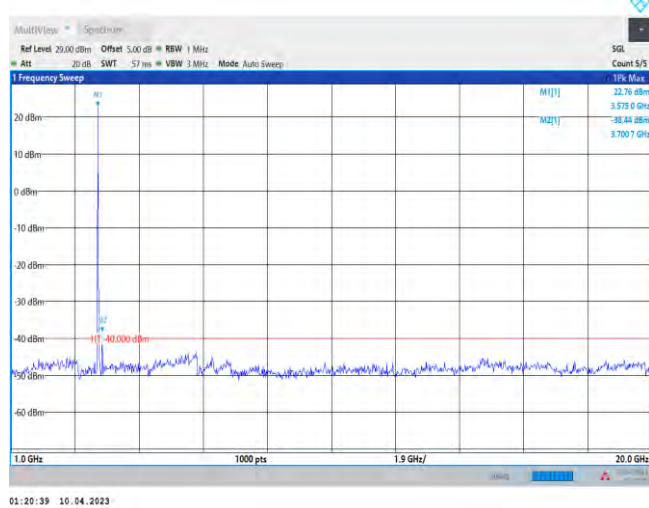


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**Band42-20MHz-QPSK-43490-1RB#0-Range3:30~1000MHz**



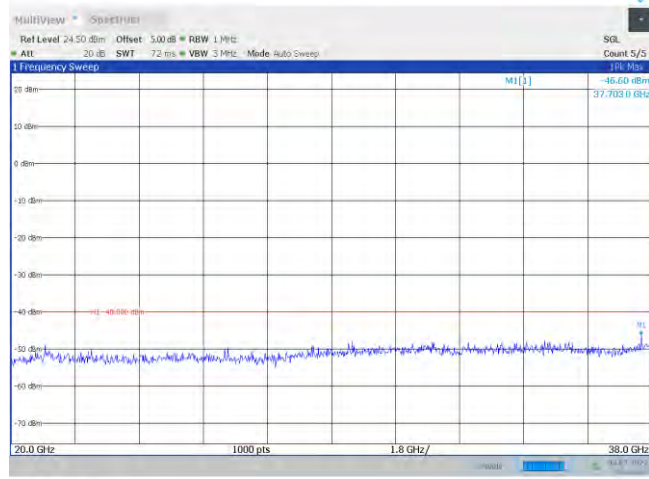
**Band42-20MHz-QPSK-43490-1RB#0-Range4:1000~20000MHz**



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**Band42-20MHz-QPSK-43490-1RB#0-Range5:20000~38000MHz**



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## Field Strength of Spurious Radiation

Test Band = LTE Band 42C \_20MHz\_3550-3600\_ TM1

Test Channel = Low

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7102.1800	40.83	-43.66	36.35	-61.74	-40.00	21.74	307	269	Horizontal
2	8408.425	41.08	-41.41	37.35	-58.24	-40.00	18.24	268	120	Horizontal
3	9561.875	37.46	-39.49	38.45	-58.84	-40.00	18.84	144	135	Horizontal
4	10653.2700	34.26	-37.73	39.10	-59.63	-40.00	19.63	216	255	Horizontal
5	14204.3600	30.95	-35.33	40.23	-59.42	-40.00	19.42	209	195	Horizontal
6	17755.4500	33.91	-33.78	40.53	-54.59	-40.00	14.59	221	240	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	7102.025	47.50	-43.66	36.35	-55.07	-40.00	15.07	325	112	Vertical
2	8281.35	42.29	-41.92	37.18	-57.71	-40.00	17.71	163	189	Vertical
3	9406.625	38.08	-39.92	38.49	-58.61	-40.00	18.61	254	357	Vertical
4	10653.2700	34.84	-37.73	39.10	-59.05	-40.00	19.05	189	151	Vertical
5	14218.8	34.92	-35.41	40.22	-55.54	-40.00	15.54	211	24	Vertical
6	17755.4500	33.49	-33.78	40.53	-55.01	-40.00	15.01	132	74	Vertical



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**Test Band = LTE Band 42C \_20MHz\_3550-3600\_ TM1**  
**Test Channel = Mid**

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7132.1800	41.45	-43.64	36.42	-61.03	-40.00	21.03	291	352	Horizontal
2	8423.95	40.21	-41.47	37.38	-59.14	-40.00	19.14	265	14	Horizontal
3	10698.2700	33.56	-37.50	39.14	-60.06	-40.00	20.06	203	226	Horizontal
4	12839.95	33.41	-36.72	39.67	-58.90	-40.00	18.90	197	317	Horizontal
5	14264.3600	30.72	-35.67	40.18	-60.03	-40.00	20.03	223	197	Horizontal
6	17830.4500	33.22	-34.45	41.04	-55.45	-40.00	15.45	153	163	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	7187.7	44.78	-43.62	36.57	-57.53	-40.00	17.53	259	196	Vertical
2	8281.35	42.27	-41.92	37.18	-57.73	-40.00	17.73	126	196	Vertical
3	10698.2700	33.44	-37.50	39.14	-60.18	-40.00	20.18	201	4	Vertical
4	12499.55	35.29	-36.95	39.17	-57.75	-40.00	17.75	314	30	Vertical
5	14264.3600	30.47	-35.67	40.18	-60.28	-40.00	20.28	165	3	Vertical
6	17830.4500	33.17	-34.45	41.04	-55.50	-40.00	15.50	210	301	Vertical



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**Test Band = LTE Band 42C \_20MHz\_3550-3600\_ TM1**  
**Test Channel = High**

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7162.1800	40.15	-43.63	36.50	-62.24	-40.00	22.24	295	319	Horizontal
2	8427.975	40.34	-41.49	37.39	-59.02	-40.00	19.02	214	169	Horizontal
3	9297.375	37.91	-40.07	38.41	-59.00	-40.00	19.00	115	29	Horizontal
4	10743.2700	34.32	-37.92	39.17	-59.68	-40.00	19.68	168	360	Horizontal
5	14324.3600	31.37	-35.67	40.14	-59.42	-40.00	19.42	214	231	Horizontal
6	17905.4500	33.96	-34.75	41.58	-54.48	-40.00	14.48	132	311	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	7162.1800	40.26	-43.63	36.50	-62.13	-40.00	22.13	207	148	Vertical
2	7968.55	44.38	-42.32	36.97	-56.23	-40.00	16.23	184	360	Vertical
3	9265.175	38.23	-40.03	38.39	-58.67	-40.00	18.67	225	74	Vertical
4	10743.2700	33.54	-37.92	39.17	-60.46	-40.00	20.46	263	360	Vertical
5	14324.3600	31.91	-35.67	40.14	-58.88	-40.00	18.88	124	329	Vertical
6	17905.4500	33.23	-34.75	41.58	-55.21	-40.00	15.21	185	74	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
Band42	20MHz	QPSK	4334	100RB#0	VL	NT	-8.40	0.025799	PASS
Band42	20MHz	QPSK	4334	100RB#0	VN	NT	-7.40	0.022727	PASS
Band42	20MHz	QPSK	4334	100RB#0	VH	NT	6.80	-0.020885	PASS

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band42	20MHz	QPSK	4334	100RB#0	NV	-30	3.80	-0.011671	PASS
Band42	20MHz	QPSK	4334	100RB#0	NV	-20	6.40	-0.019656	PASS
Band42	20MHz	QPSK	4334	100RB#0	NV	0	-0.60	0.001843	PASS
Band42	20MHz	QPSK	4334	100RB#0	NV	10	-11.50	0.035319	PASS
Band42	20MHz	QPSK	4334	100RB#0	NV	20	-4.20	0.012899	PASS
Band42	20MHz	QPSK	4334	100RB#0	NV	30	-12.90	0.039619	PASS
Band42	20MHz	QPSK	4334	100RB#0	NV	40	2.50	-0.007678	PASS
Band42	20MHz	QPSK	4334	100RB#0	NV	50	-11.80	0.036241	PASS

---End of Attachment---



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