

# Appendix B.17

## LTE Band 42(3550-3600)



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## Effective (Isotropic) Radiated Power Output Data

### Test Result

ANTO

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm/10MHz)	EIRP (dBm/10MHz)	EIRP (dBm/10MHz)	Verdict
Band42	5MHz	QPSK	43115	1RB#0	23.11	18.82	23.00	PASS
Band42	5MHz	QPSK	43115	1RB#12	23.09	18.8	23.00	PASS
Band42	5MHz	QPSK	43115	1RB#24	23.05	18.76	23.00	PASS
Band42	5MHz	QPSK	43115	25RB#0	22.14	17.85	23.00	PASS
Band42	5MHz	QPSK	43340	1RB#0	23.33	19.04	23.00	PASS
Band42	5MHz	QPSK	43340	1RB#12	23.43	19.14	23.00	PASS
Band42	5MHz	QPSK	43340	1RB#24	23.28	18.99	23.00	PASS
Band42	5MHz	QPSK	43340	25RB#0	22.28	17.99	23.00	PASS
Band42	5MHz	QPSK	43565	1RB#0	23.05	18.76	23.00	PASS
Band42	5MHz	QPSK	43565	1RB#12	23.14	18.85	23.00	PASS
Band42	5MHz	QPSK	43565	1RB#24	23.19	18.9	23.00	PASS
Band42	5MHz	QPSK	43565	25RB#0	22.14	17.85	23.00	PASS
Band42	5MHz	16QAM	43115	1RB#0	22.09	17.8	23.00	PASS
Band42	5MHz	16QAM	43115	1RB#12	22.29	18	23.00	PASS
Band42	5MHz	16QAM	43115	1RB#24	22.12	17.83	23.00	PASS
Band42	5MHz	16QAM	43115	25RB#0	21.06	16.77	23.00	PASS
Band42	5MHz	16QAM	43340	1RB#0	22.35	18.06	23.00	PASS
Band42	5MHz	16QAM	43340	1RB#12	22.35	18.06	23.00	PASS
Band42	5MHz	16QAM	43340	1RB#24	22.24	17.95	23.00	PASS
Band42	5MHz	16QAM	43340	25RB#0	21.27	16.98	23.00	PASS
Band42	5MHz	16QAM	43565	1RB#0	22.11	17.82	23.00	PASS
Band42	5MHz	16QAM	43565	1RB#12	22.33	18.04	23.00	PASS
Band42	5MHz	16QAM	43565	1RB#24	22.03	17.74	23.00	PASS
Band42	5MHz	16QAM	43565	25RB#0	21.13	16.84	23.00	PASS
Band42	5MHz	64QAM	43115	1RB#0	21.9	17.61	23.00	PASS
Band42	5MHz	64QAM	43115	1RB#12	21.14	16.85	23.00	PASS



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Band42	5MHz	64QAM	43115	1RB#24	21.2	16.91	23.00	PASS
Band42	5MHz	64QAM	43115	25RB#0	20.01	15.72	23.00	PASS
Band42	5MHz	64QAM	43340	1RB#0	21.45	17.16	23.00	PASS
Band42	5MHz	64QAM	43340	1RB#12	21.44	17.15	23.00	PASS
Band42	5MHz	64QAM	43340	1RB#24	21.37	17.08	23.00	PASS
Band42	5MHz	64QAM	43340	25RB#0	20.22	15.93	23.00	PASS
Band42	5MHz	64QAM	43565	1RB#0	21.32	17.03	23.00	PASS
Band42	5MHz	64QAM	43565	1RB#12	21.43	17.14	23.00	PASS
Band42	5MHz	64QAM	43565	1RB#24	21.26	16.97	23.00	PASS
Band42	5MHz	64QAM	43565	25RB#0	20.23	15.94	23.00	PASS
Band42	10MHz	QPSK	43140	1RB#0	23.02	18.73	23.00	PASS
Band42	10MHz	QPSK	43140	1RB#24	23.12	18.83	23.00	PASS
Band42	10MHz	QPSK	43140	1RB#49	23.09	18.8	23.00	PASS
Band42	10MHz	QPSK	43140	50RB#0	22.17	17.88	23.00	PASS
Band42	10MHz	QPSK	43340	1RB#0	23.3	19.01	23.00	PASS
Band42	10MHz	QPSK	43340	1RB#24	23.31	19.02	23.00	PASS
Band42	10MHz	QPSK	43340	1RB#49	23.3	19.01	23.00	PASS
Band42	10MHz	QPSK	43340	50RB#0	22.35	18.06	23.00	PASS
Band42	10MHz	QPSK	43540	1RB#0	23	18.71	23.00	PASS
Band42	10MHz	QPSK	43540	1RB#24	23.29	19	23.00	PASS
Band42	10MHz	QPSK	43540	1RB#49	23.14	18.85	23.00	PASS
Band42	10MHz	QPSK	43540	50RB#0	22.22	17.93	23.00	PASS
Band42	10MHz	16QAM	43140	1RB#0	22.02	17.73	23.00	PASS
Band42	10MHz	16QAM	43140	1RB#24	22.14	17.85	23.00	PASS
Band42	10MHz	16QAM	43140	1RB#49	22.04	17.75	23.00	PASS
Band42	10MHz	16QAM	43140	50RB#0	21.1	16.81	23.00	PASS
Band42	10MHz	16QAM	43340	1RB#0	22.41	18.12	23.00	PASS
Band42	10MHz	16QAM	43340	1RB#24	22.25	17.96	23.00	PASS
Band42	10MHz	16QAM	43340	1RB#49	22.36	18.07	23.00	PASS
Band42	10MHz	16QAM	43340	50RB#0	21.28	16.99	23.00	PASS
Band42	10MHz	16QAM	43540	1RB#0	22.29	18	23.00	PASS
Band42	10MHz	16QAM	43540	1RB#24	22.11	17.82	23.00	PASS



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Band42	10MHz	16QAM	43540	1RB#49	22.01	17.72	23.00	PASS
Band42	10MHz	16QAM	43540	50RB#0	21.18	16.89	23.00	PASS
Band42	10MHz	64QAM	43140	1RB#0	21.11	16.82	23.00	PASS
Band42	10MHz	64QAM	43140	1RB#24	21.18	16.89	23.00	PASS
Band42	10MHz	64QAM	43140	1RB#49	21.23	16.94	23.00	PASS
Band42	10MHz	64QAM	43140	50RB#0	20.15	15.86	23.00	PASS
Band42	10MHz	64QAM	43340	1RB#0	21.43	17.14	23.00	PASS
Band42	10MHz	64QAM	43340	1RB#24	21.42	17.13	23.00	PASS
Band42	10MHz	64QAM	43340	1RB#49	21.45	17.16	23.00	PASS
Band42	10MHz	64QAM	43340	50RB#0	20.34	16.05	23.00	PASS
Band42	10MHz	64QAM	43540	1RB#0	21.17	16.88	23.00	PASS
Band42	10MHz	64QAM	43540	1RB#24	21.34	17.05	23.00	PASS
Band42	10MHz	64QAM	43540	1RB#49	21.31	17.02	23.00	PASS
Band42	10MHz	64QAM	43540	50RB#0	20.25	15.96	23.00	PASS
Band42	15MHz	QPSK	43165	1RB#0	22.92	18.63	23.00	PASS
Band42	15MHz	QPSK	43165	1RB#38	22.93	18.64	23.00	PASS
Band42	15MHz	QPSK	43165	1RB#74	22.94	18.65	23.00	PASS
Band42	15MHz	QPSK	43165	75RB#0	22.07	17.78	23.00	PASS
Band42	15MHz	QPSK	43340	1RB#0	23.03	18.74	23.00	PASS
Band42	15MHz	QPSK	43340	1RB#38	23.18	18.89	23.00	PASS
Band42	15MHz	QPSK	43340	1RB#74	23.19	18.9	23.00	PASS
Band42	15MHz	QPSK	43340	75RB#0	22.12	17.83	23.00	PASS
Band42	15MHz	QPSK	43515	1RB#0	22.93	18.64	23.00	PASS
Band42	15MHz	QPSK	43515	1RB#38	23.01	18.72	23.00	PASS
Band42	15MHz	QPSK	43515	1RB#74	22.89	18.6	23.00	PASS
Band42	15MHz	QPSK	43515	75RB#0	22.19	17.9	23.00	PASS
Band42	15MHz	16QAM	43165	1RB#0	21.75	17.46	23.00	PASS
Band42	15MHz	16QAM	43165	1RB#38	21.83	17.54	23.00	PASS
Band42	15MHz	16QAM	43165	1RB#74	21.8	17.51	23.00	PASS
Band42	15MHz	16QAM	43165	75RB#0	21.12	16.83	23.00	PASS
Band42	15MHz	16QAM	43340	1RB#0	21.97	17.68	23.00	PASS
Band42	15MHz	16QAM	43340	1RB#38	22.14	17.85	23.00	PASS



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Band42	15MHz	16QAM	43340	1RB#74	22.06	17.77	23.00	PASS
Band42	15MHz	16QAM	43340	75RB#0	21.21	16.92	23.00	PASS
Band42	15MHz	16QAM	43515	1RB#0	21.91	17.62	23.00	PASS
Band42	15MHz	16QAM	43515	1RB#38	21.93	17.64	23.00	PASS
Band42	15MHz	16QAM	43515	1RB#74	22.02	17.73	23.00	PASS
Band42	15MHz	16QAM	43515	75RB#0	21.16	16.87	23.00	PASS
Band42	15MHz	64QAM	43165	1RB#0	20.91	16.62	23.00	PASS
Band42	15MHz	64QAM	43165	1RB#38	20.95	16.66	23.00	PASS
Band42	15MHz	64QAM	43165	1RB#74	21.08	16.79	23.00	PASS
Band42	15MHz	64QAM	43165	75RB#0	20.08	15.79	23.00	PASS
Band42	15MHz	64QAM	43340	1RB#0	21.27	16.98	23.00	PASS
Band42	15MHz	64QAM	43340	1RB#38	21.26	16.97	23.00	PASS
Band42	15MHz	64QAM	43340	1RB#74	21.15	16.86	23.00	PASS
Band42	15MHz	64QAM	43340	75RB#0	20.27	15.98	23.00	PASS
Band42	15MHz	64QAM	43515	1RB#0	21.02	16.73	23.00	PASS
Band42	15MHz	64QAM	43515	1RB#38	21.19	16.9	23.00	PASS
Band42	15MHz	64QAM	43515	1RB#74	21	16.71	23.00	PASS
Band42	15MHz	64QAM	43515	75RB#0	20.11	15.82	23.00	PASS
Band42	20MHz	QPSK	43190	1RB#0	22.81	18.52	23.00	PASS
Band42	20MHz	QPSK	43190	1RB#49	23.04	18.75	23.00	PASS
Band42	20MHz	QPSK	43190	1RB#99	23.05	18.76	23.00	PASS
Band42	20MHz	QPSK	43190	100RB#0	22.11	17.82	23.00	PASS
Band42	20MHz	QPSK	43340	1RB#0	23.29	19	23.00	PASS
Band42	20MHz	QPSK	43340	1RB#49	23.36	19.07	23.00	PASS
Band42	20MHz	QPSK	43340	1RB#99	23.13	18.84	23.00	PASS
Band42	20MHz	QPSK	43340	100RB#0	22.2	17.91	23.00	PASS
Band42	20MHz	QPSK	43490	1RB#0	22.97	18.68	23.00	PASS
Band42	20MHz	QPSK	43490	1RB#49	23.11	18.82	23.00	PASS
Band42	20MHz	QPSK	43490	1RB#99	23.03	18.74	23.00	PASS
Band42	20MHz	QPSK	43490	100RB#0	22.11	17.82	23.00	PASS
Band42	20MHz	16QAM	43190	1RB#0	21.88	17.59	23.00	PASS
Band42	20MHz	16QAM	43190	1RB#49	21.88	17.59	23.00	PASS



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Band42	20MHz	16QAM	43190	1RB#99	22	17.71	23.00	PASS
Band42	20MHz	16QAM	43190	100RB#0	21.1	16.81	23.00	PASS
Band42	20MHz	16QAM	43340	1RB#0	22.23	17.94	23.00	PASS
Band42	20MHz	16QAM	43340	1RB#49	22.21	17.92	23.00	PASS
Band42	20MHz	16QAM	43340	1RB#99	22.09	17.8	23.00	PASS
Band42	20MHz	16QAM	43340	100RB#0	21.28	16.99	23.00	PASS
Band42	20MHz	16QAM	43490	1RB#0	21.78	17.49	23.00	PASS
Band42	20MHz	16QAM	43490	1RB#49	22.12	17.83	23.00	PASS
Band42	20MHz	16QAM	43490	1RB#99	21.97	17.68	23.00	PASS
Band42	20MHz	16QAM	43490	100RB#0	21.07	16.78	23.00	PASS
Band42	20MHz	64QAM	43190	1RB#0	20.98	16.69	23.00	PASS
Band42	20MHz	64QAM	43190	1RB#49	20.92	16.63	23.00	PASS
Band42	20MHz	64QAM	43190	1RB#99	21.02	16.73	23.00	PASS
Band42	20MHz	64QAM	43190	100RB#0	20.08	15.79	23.00	PASS
Band42	20MHz	64QAM	43340	1RB#0	21.24	16.95	23.00	PASS
Band42	20MHz	64QAM	43340	1RB#49	21.21	16.92	23.00	PASS
Band42	20MHz	64QAM	43340	1RB#99	21.24	16.95	23.00	PASS
Band42	20MHz	64QAM	43340	100RB#0	20.25	15.96	23.00	PASS
Band42	20MHz	64QAM	43490	1RB#0	21	16.71	23.00	PASS
Band42	20MHz	64QAM	43490	1RB#49	21.05	16.76	23.00	PASS
Band42	20MHz	64QAM	43490	1RB#99	21.06	16.77	23.00	PASS
Band42	20MHz	64QAM	43490	100RB#0	20.07	15.78	23.00	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	8.92	13	PASS
Band42	20MHz	QPSK	43340	100RB#0	8.98	13	PASS
Band42	20MHz	QPSK	43490	100RB#0	8.96	13	PASS
Band42	20MHz	16QAM	43190	100RB#0	9.64	13	PASS
Band42	20MHz	16QAM	43340	100RB#0	9.68	13	PASS
Band42	20MHz	16QAM	43490	100RB#0	9.54	13	PASS
Band42	20MHz	64QAM	43190	100RB#0	9.76	13	PASS
Band42	20MHz	64QAM	43340	100RB#0	9.82	13	PASS
Band42	20MHz	64QAM	43490	100RB#0	10.04	13	PASS



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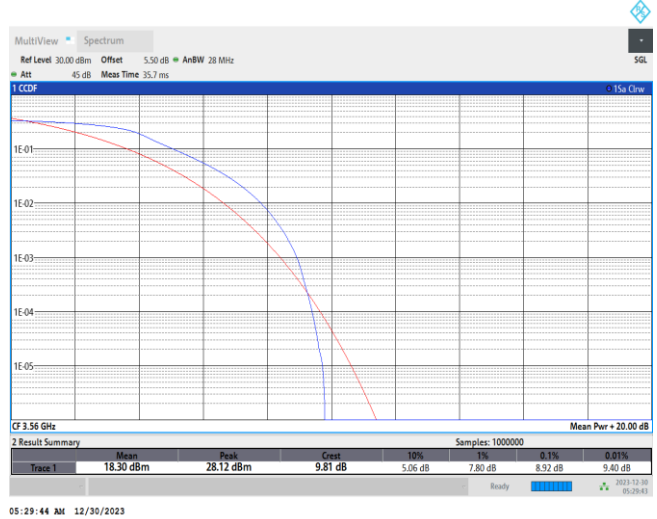
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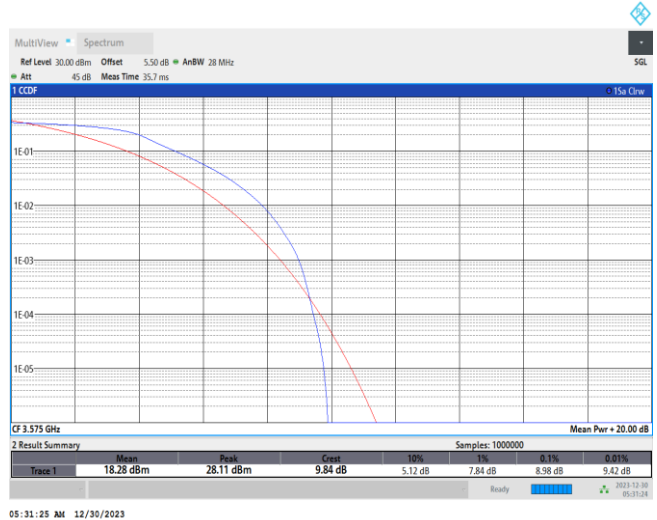
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Test Graphs

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



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



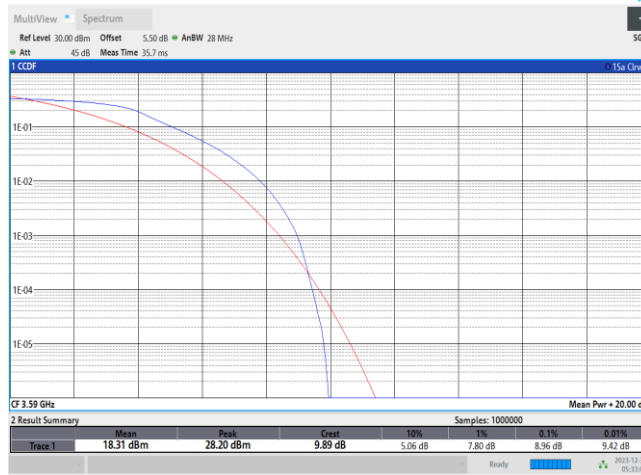
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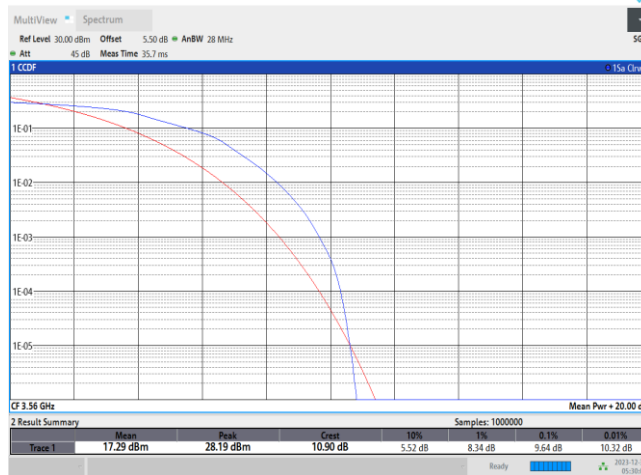


Band42-20MHz-QPSK-43490-100RB#0



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



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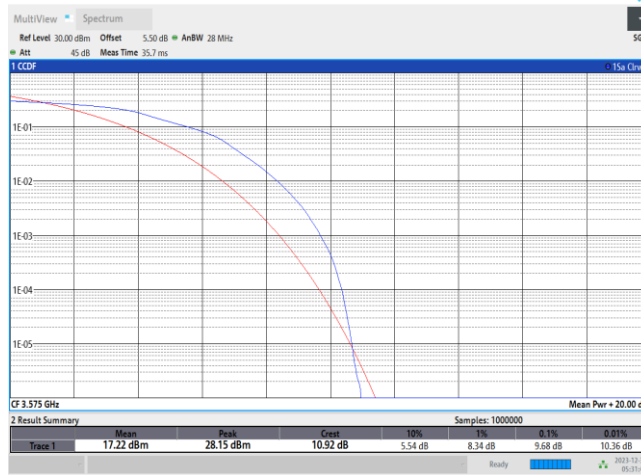


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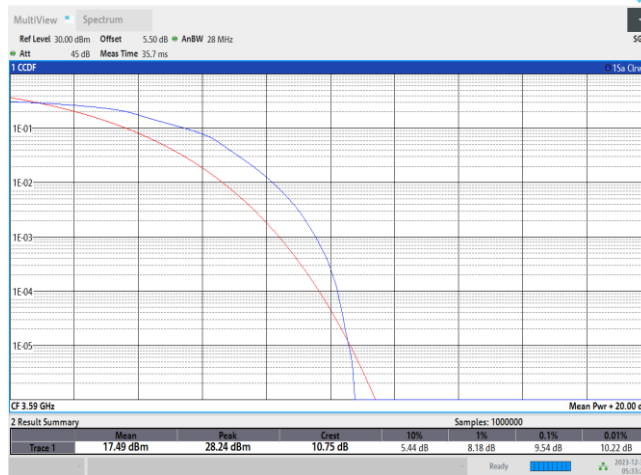
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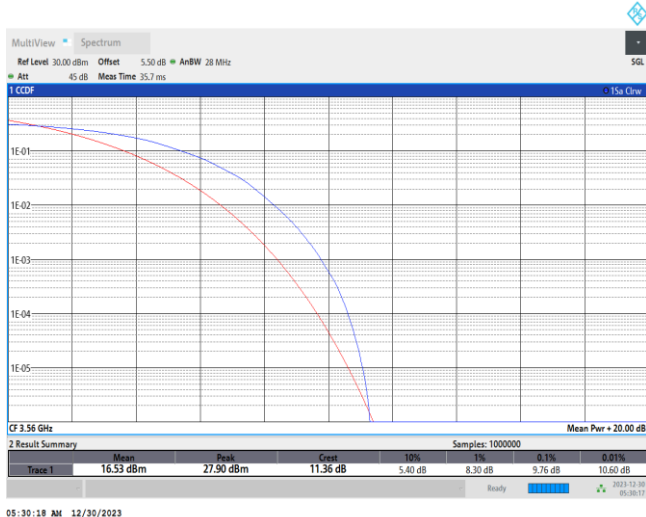


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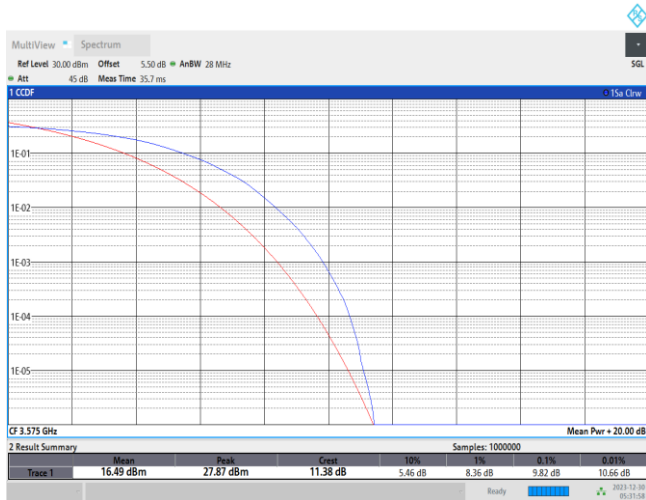
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Band42-20MHz-64QAM-43190-100RB#0



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



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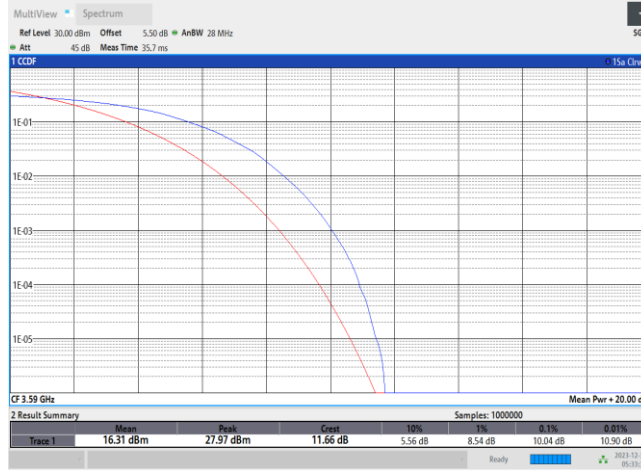


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Band42-20MHz-64QAM-43490-100RB#0



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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	43340	25RB#0	4.503	4.77	PASS
Band42	5MHz	16QAM	43340	25RB#0	4.491	4.78	PASS
Band42	5MHz	64QAM	43340	25RB#0	4.512	4.78	PASS
Band42	10MHz	QPSK	43340	50RB#0	8.922	9.33	PASS
Band42	10MHz	16QAM	43340	50RB#0	8.933	9.33	PASS
Band42	10MHz	64QAM	43340	50RB#0	8.936	9.33	PASS
Band42	15MHz	QPSK	43340	75RB#0	13.466	14.30	PASS
Band42	15MHz	16QAM	43340	75RB#0	13.451	14.30	PASS
Band42	15MHz	64QAM	43340	75RB#0	13.440	14.30	PASS
Band42	20MHz	QPSK	43340	100RB#0	17.859	18.80	PASS
Band42	20MHz	16QAM	43340	100RB#0	17.857	18.80	PASS
Band42	20MHz	64QAM	43340	100RB#0	17.867	18.80	PASS

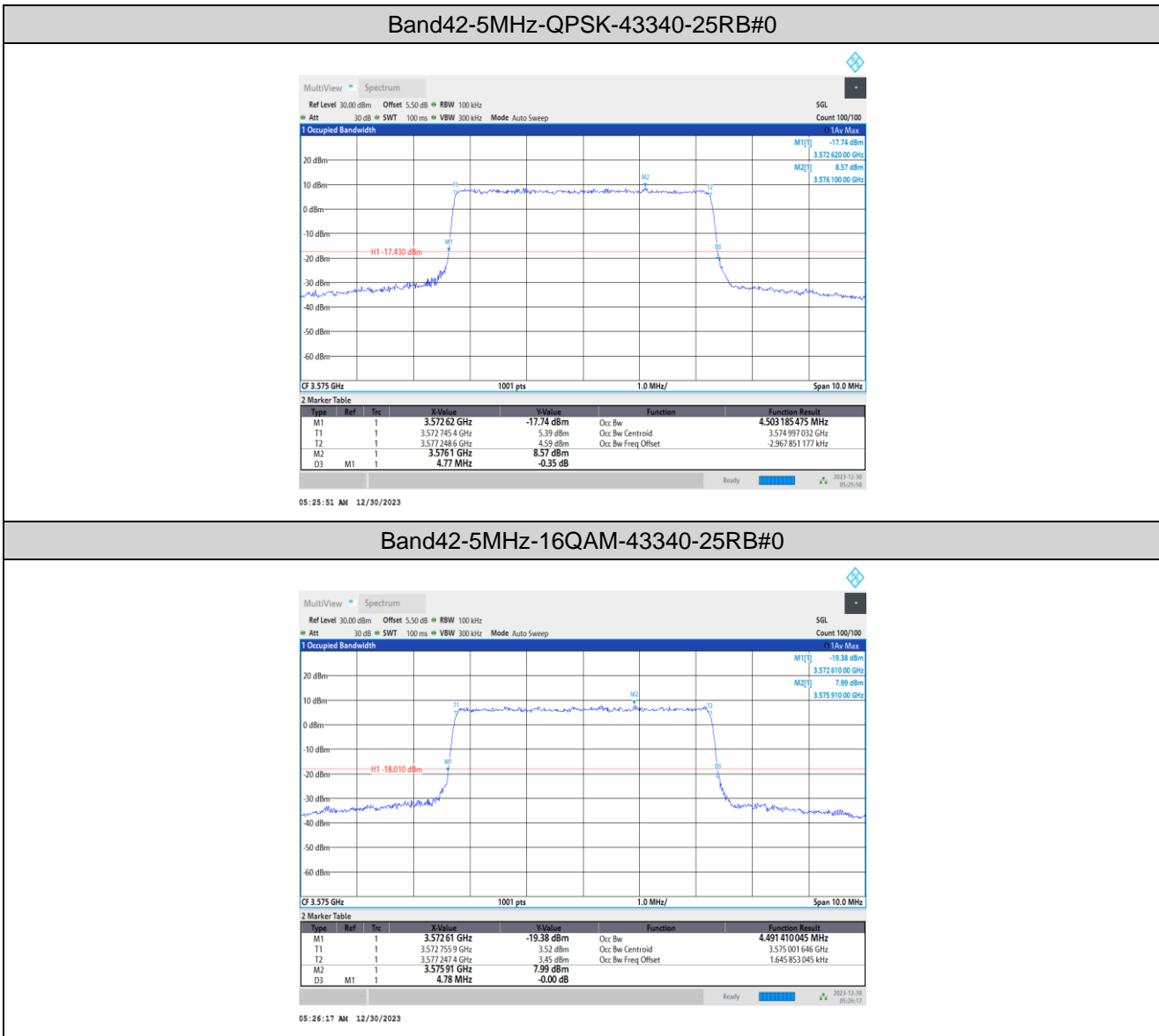


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Test Graphs

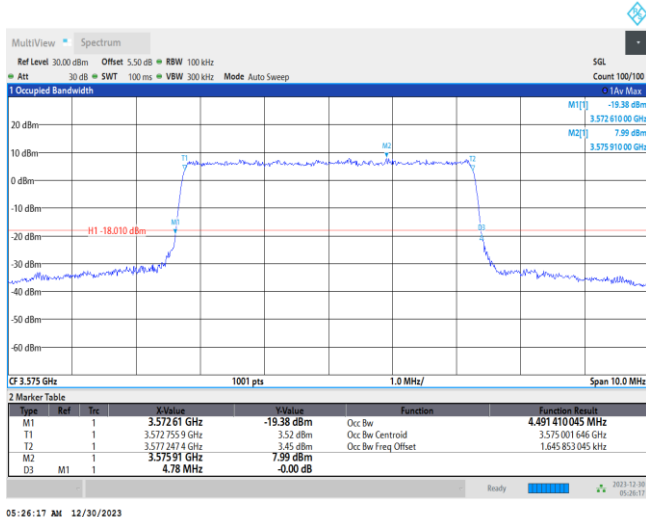


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Band42-5MHz-64QAM-43340-25RB#0



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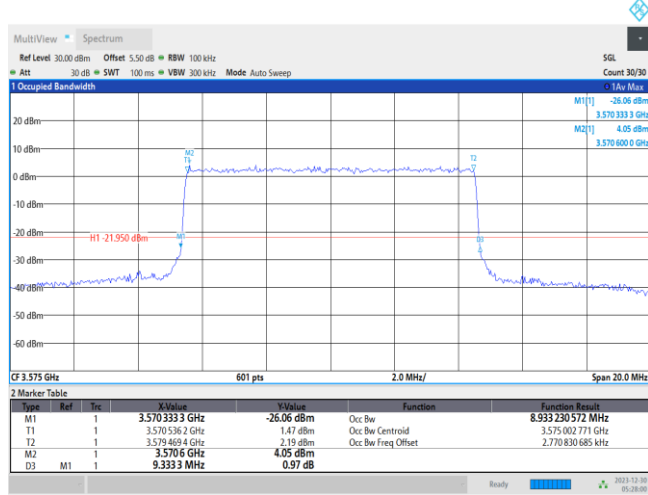


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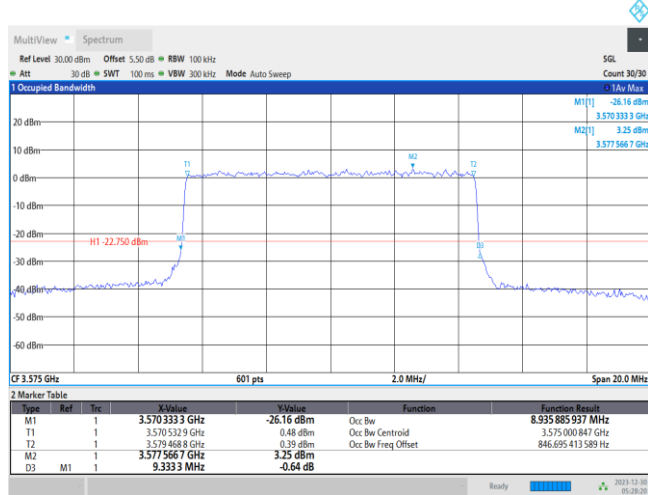
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Band42-10MHz-16QAM-43340-50RB#0



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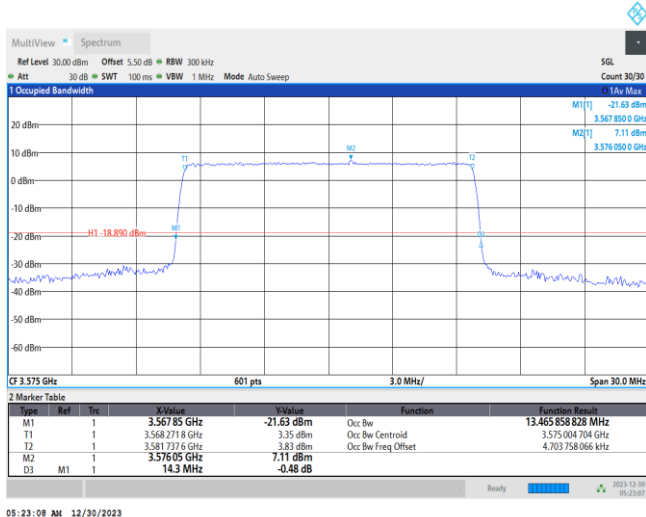
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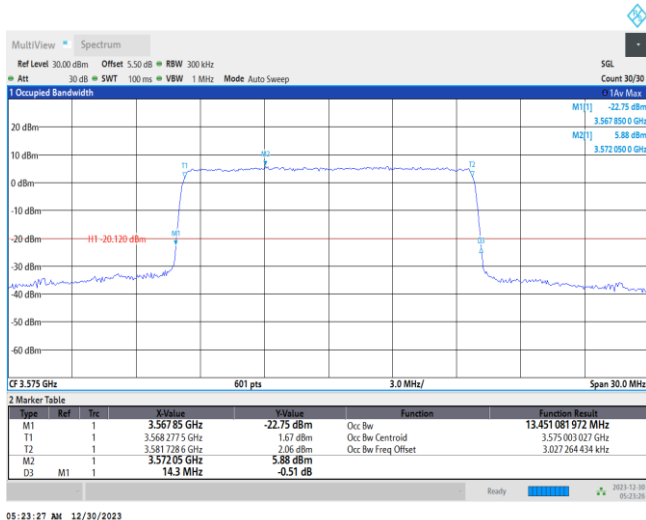
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Band42-15MHz-QPSK-43340-75RB#0



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

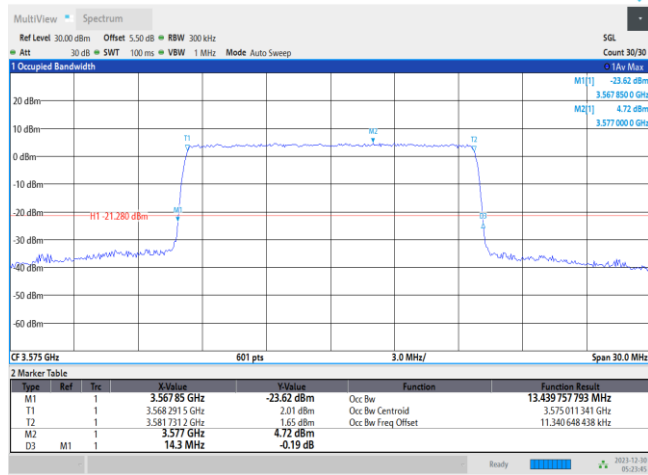


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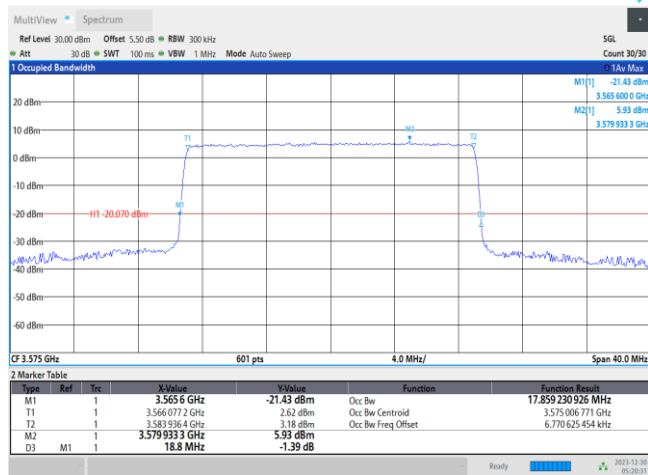
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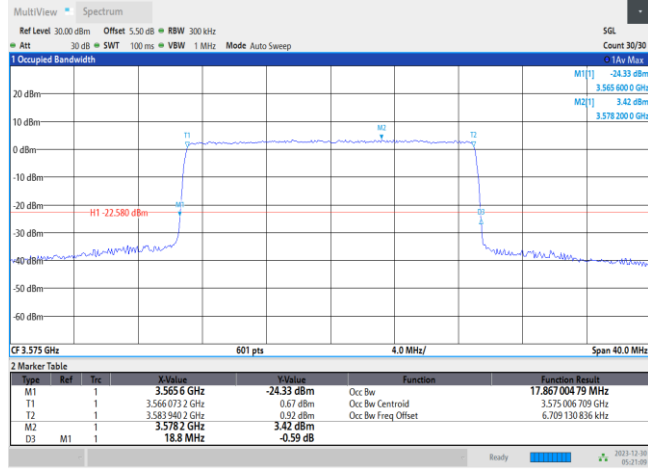


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Band42-20MHz-64QAM-43340-100RB#0



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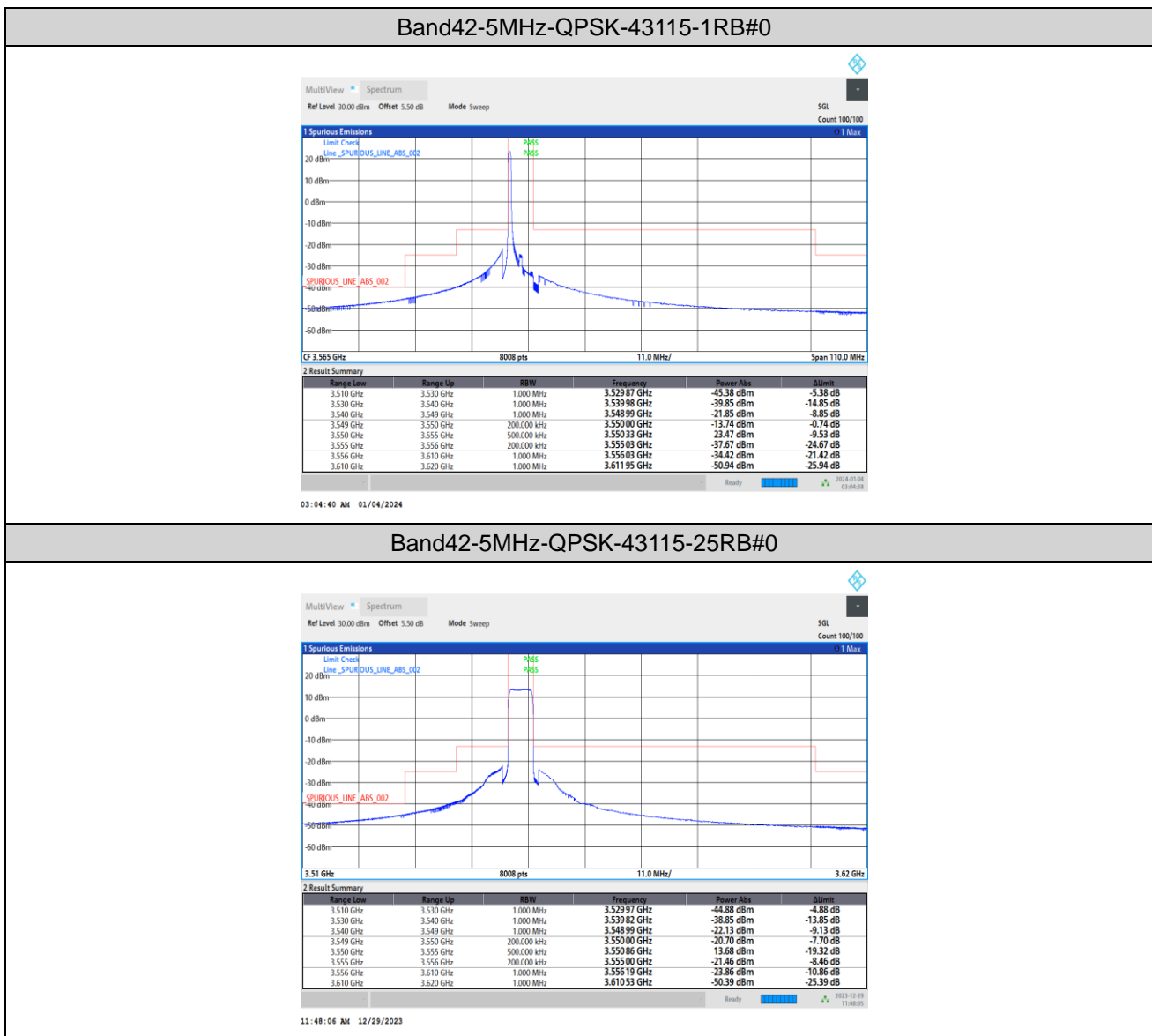
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## Band Edge

## Test Graphs

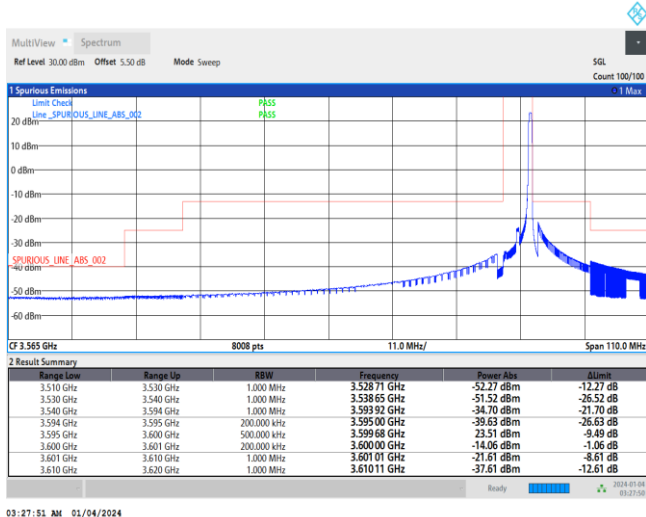


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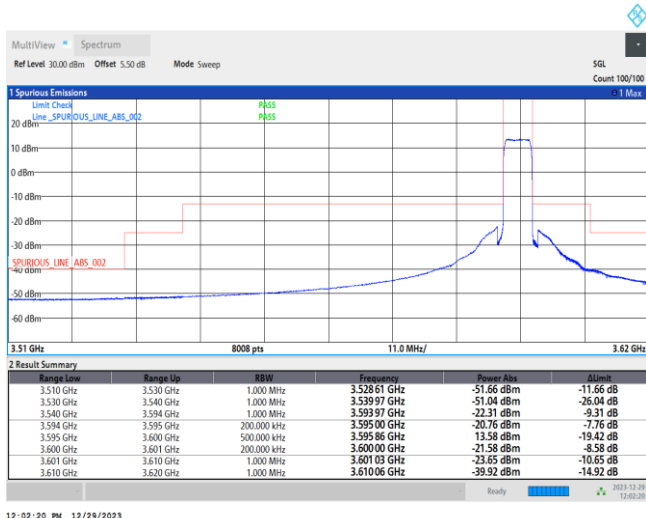
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Band42-5MHz-QPSK-43565-1RB#24



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

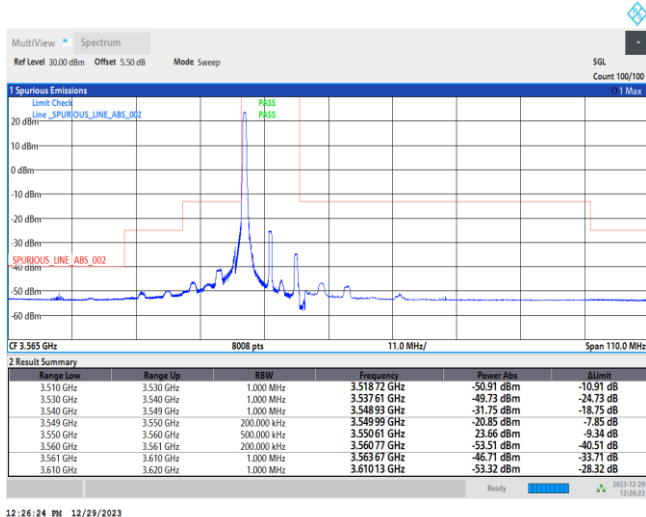


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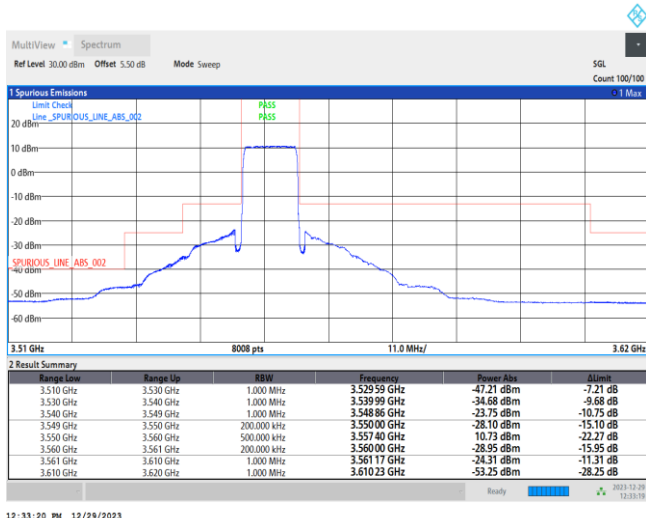
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Band42-10MHz-QPSK-43140-1RB#0



12:26:24 PM 12/29/2023

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



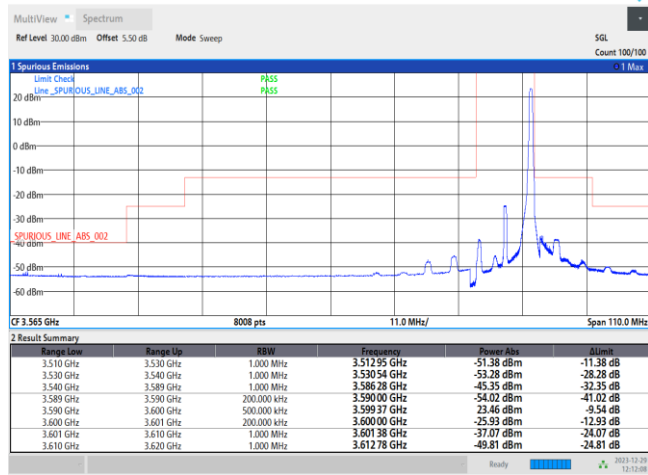
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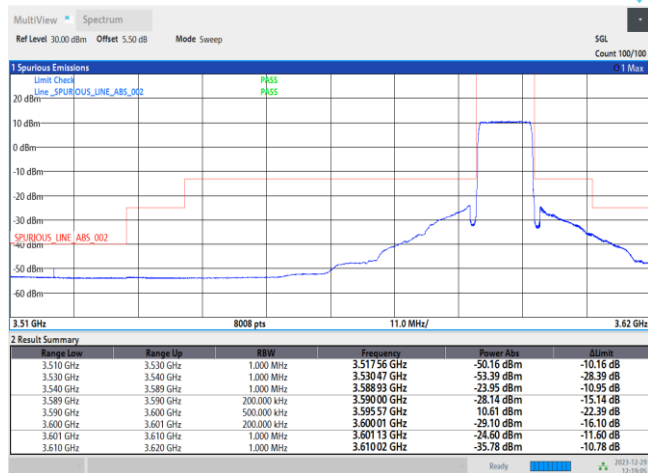
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Band42-10MHz-QPSK-43540-1RB#49



12:12:09 PM 12/29/2023

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



12:19:06 PM 12/29/2023

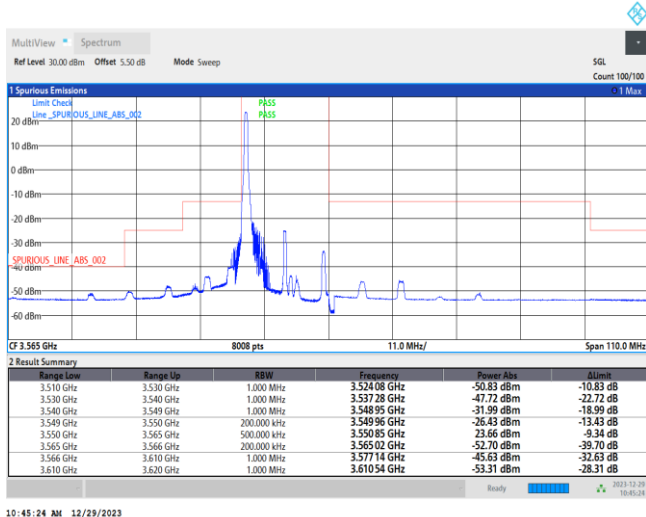


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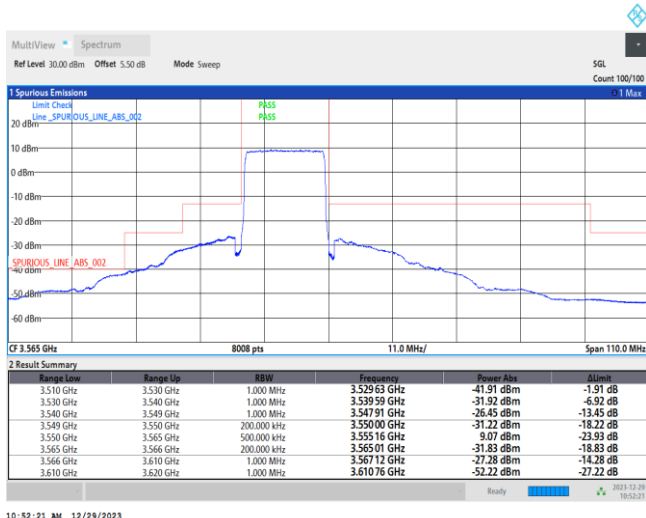


Band42-15MHz-QPSK-43165-1RB#0



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



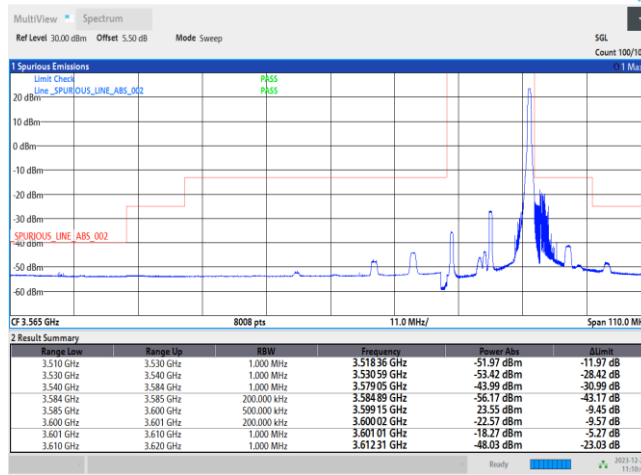
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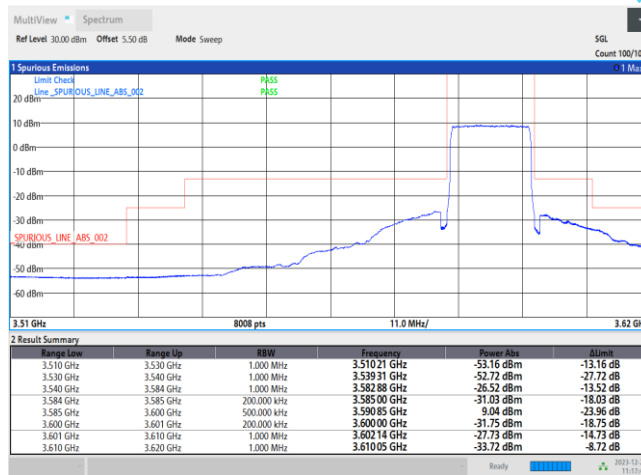
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Band42-15MHz-QPSK-43515-1RB#74



11:10:48 AM 12/29/2023

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



11:17:45 AM 12/29/2023

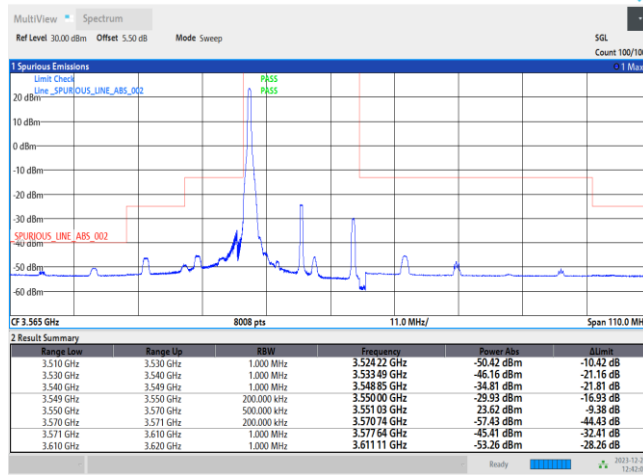


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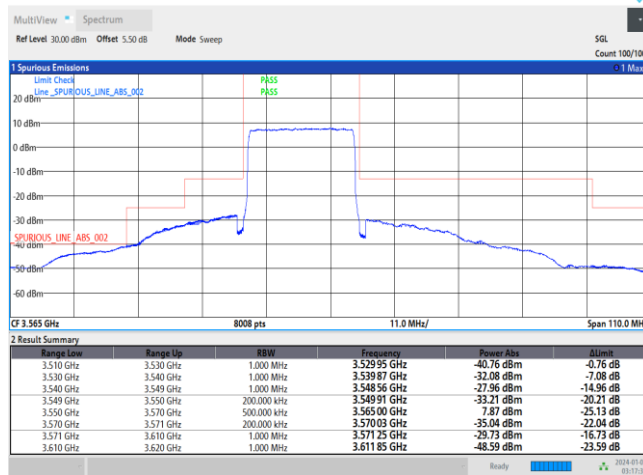
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Band42-20MHz-QPSK-43190-1RB#0



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



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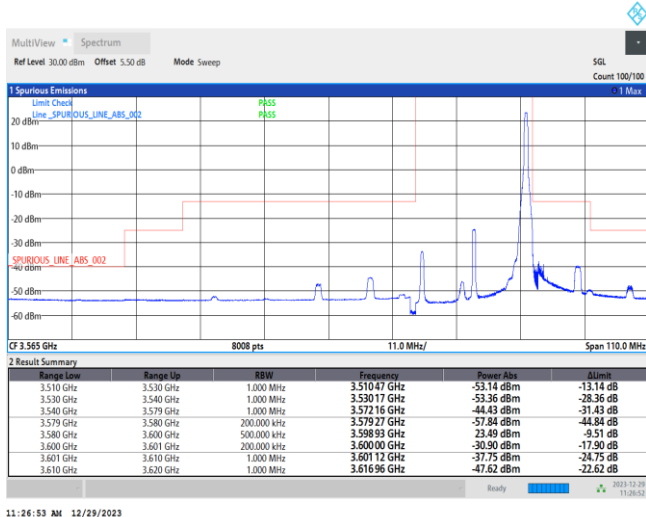


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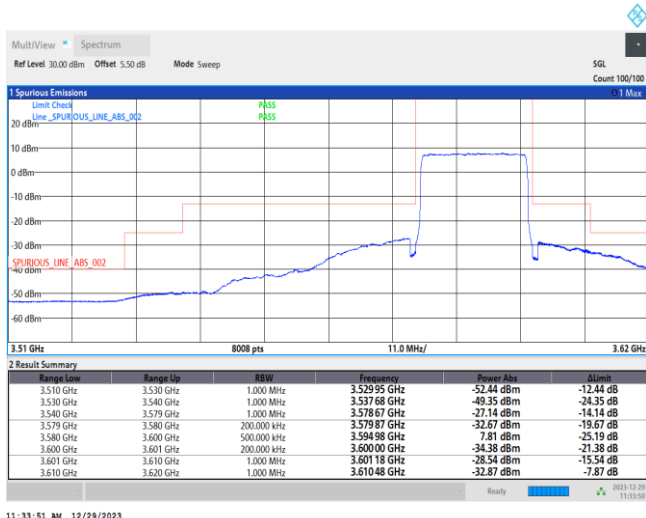
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Band42-20MHz-QPSK-43490-1RB#99



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



11:33:51 AM 12/29/2023



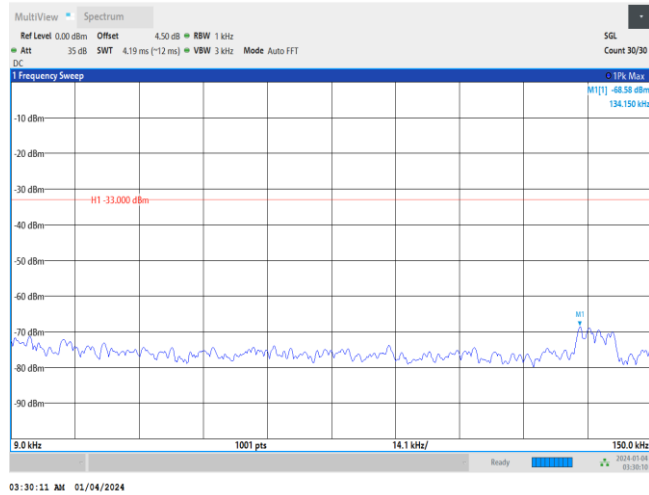
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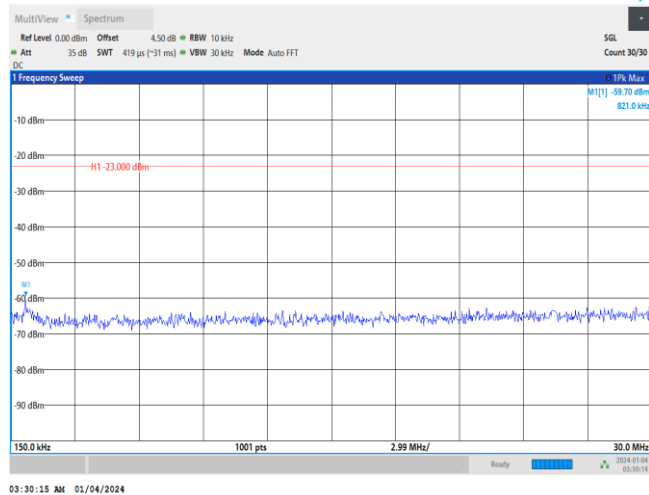
## Conducted Spurious Emission

### Test Graphs

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



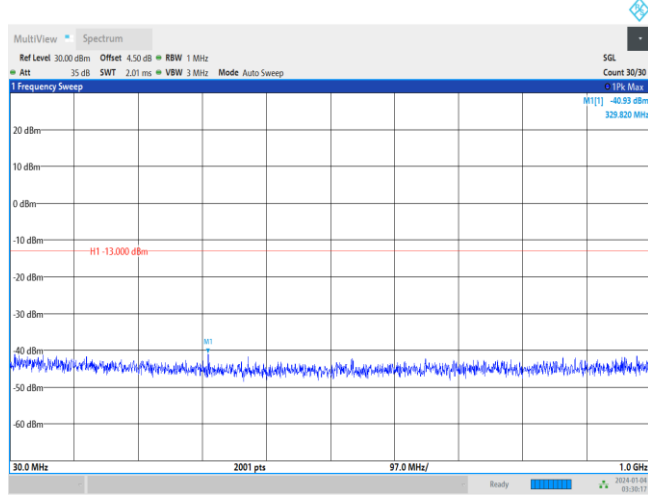
Band42-20MHz-QPSK-43190-1RB#0-Range2:0.15~30MHz



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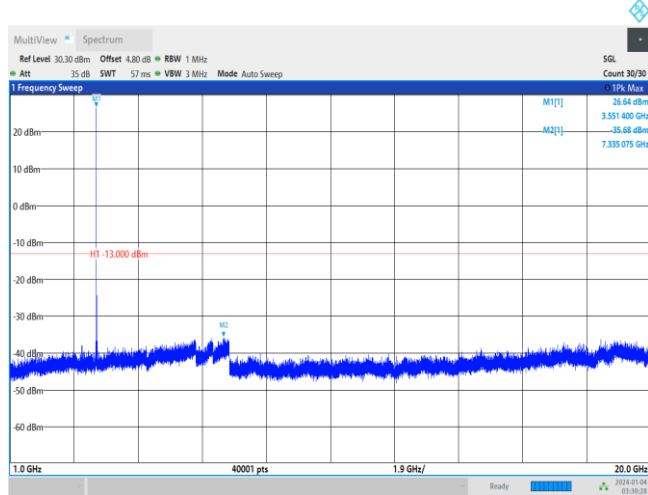
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Band42-20MHz-QPSK-43190-1RB#0-Range3:30~1000MHz



03:30:18 AM 01/04/2024

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



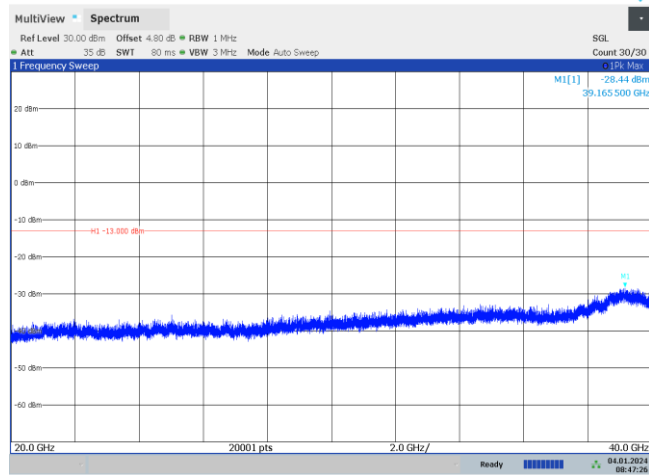
03:30:29 AM 01/04/2024



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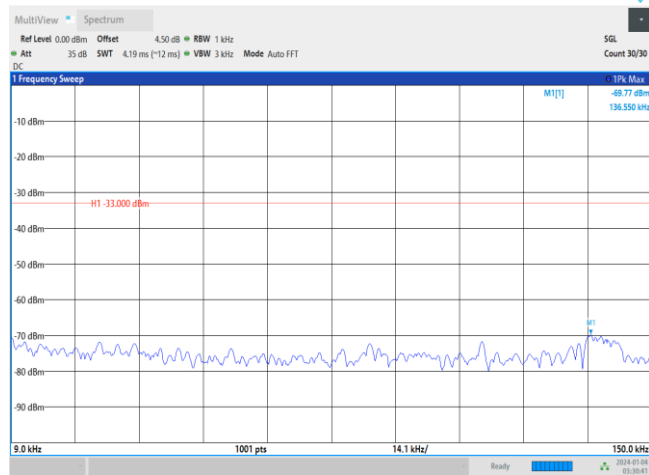
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Band42-20MHz-QPSK-43190-1RB#0-Range5:20000~40000MHz



08:47:26 04.01.2024

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



03:30:42 AM 01/04/2024

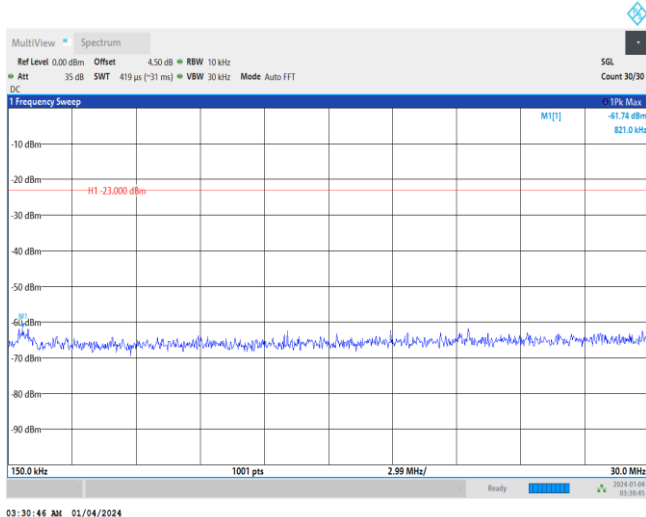


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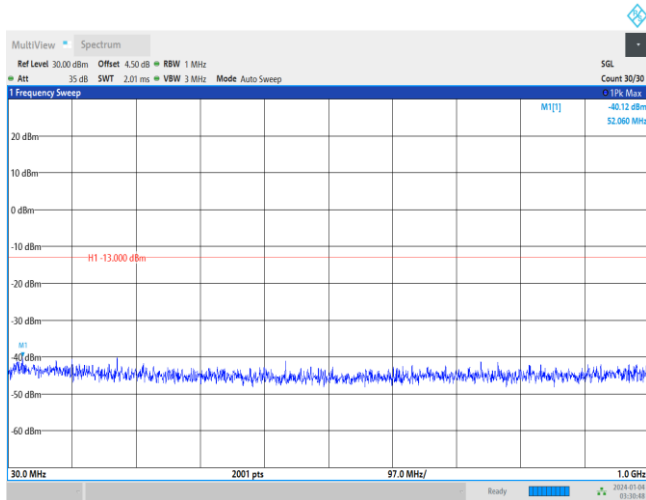
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Band42-20MHz-QPSK-43340-1RB#0-Range2:0.15~30MHz



03:30:46 AM 01/04/2024

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



03:30:49 AM 01/04/2024

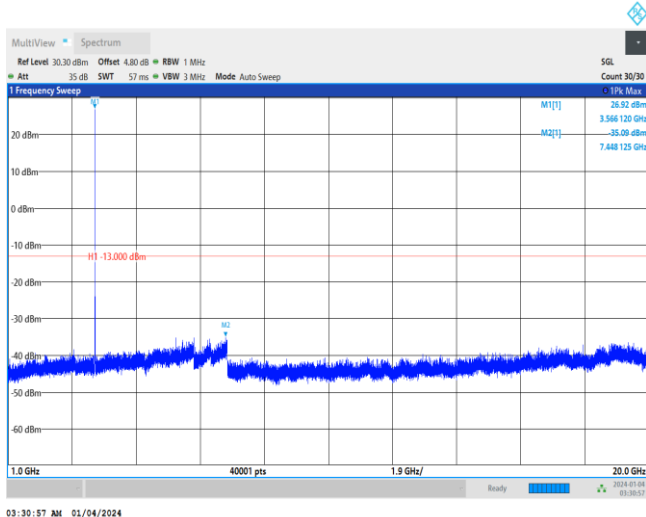


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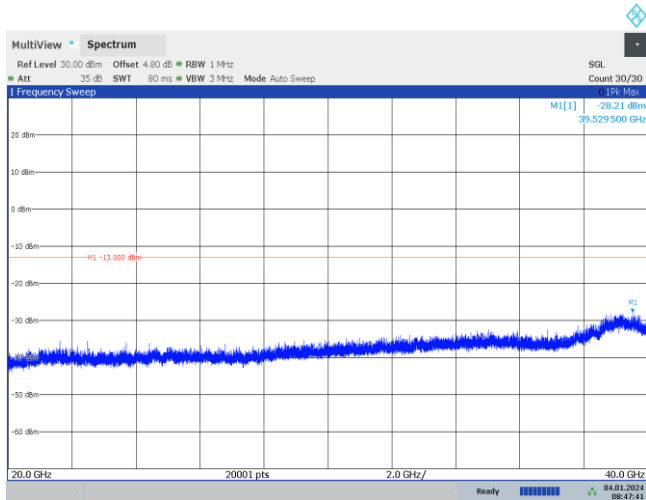


Band42-20MHz-QPSK-43340-1RB#0-Range4:1000~20000MHz



03:30:57 AM 01/04/2024

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



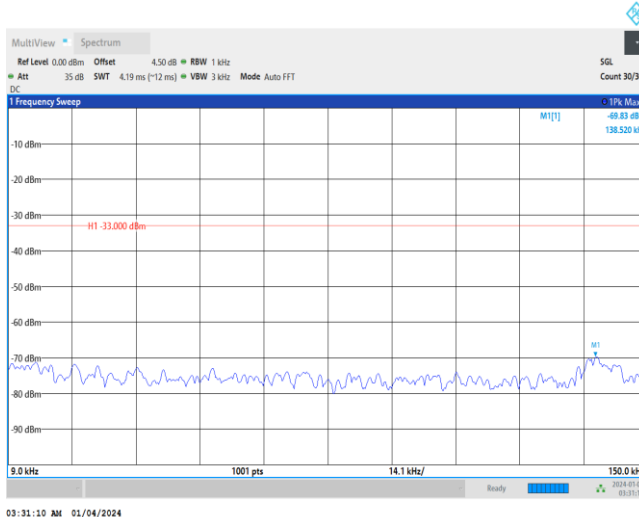
08:47:41 04.01.2024



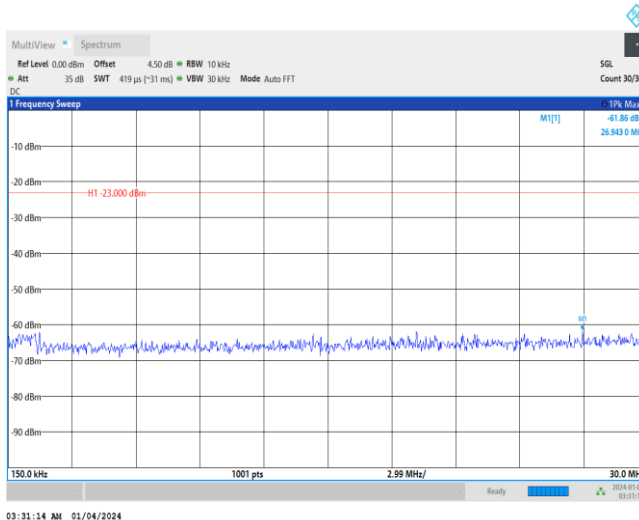
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Band42-20MHz-QPSK-43490-1RB#0-Range1:0.009~0.15MHz



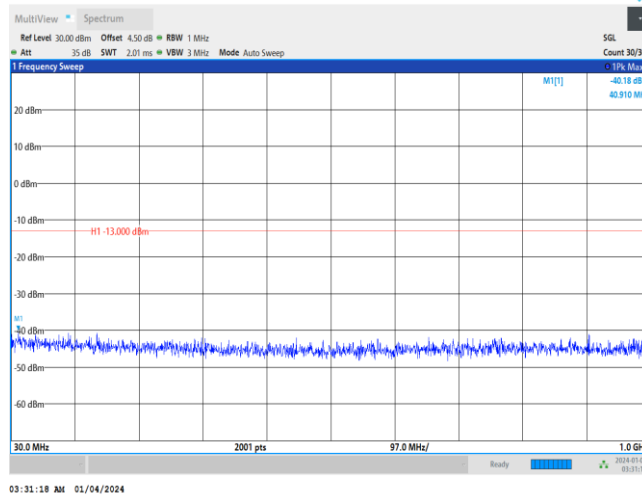
Band42-20MHz-QPSK-43490-1RB#0-Range2:0.15~30MHz



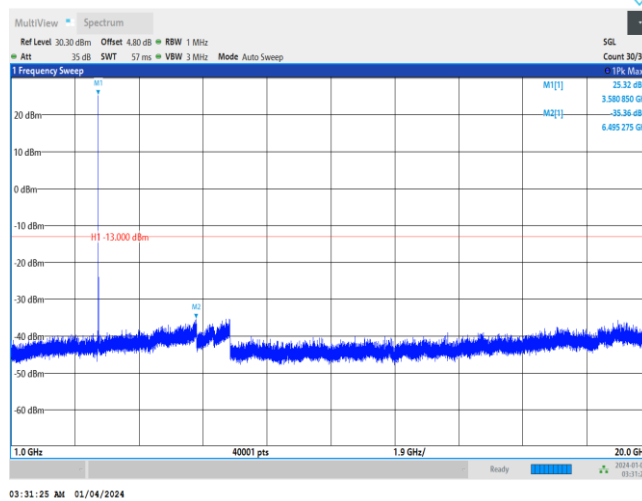
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Band42-20MHz-QPSK-43490-1RB#0-Range3:30~1000MHz



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

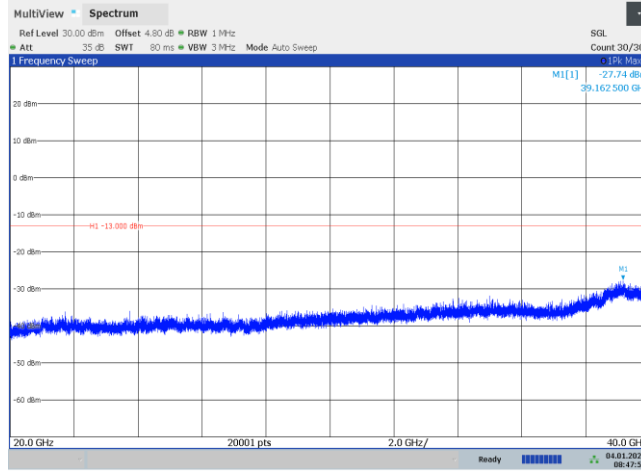


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Band42-20MHz-QPSK-43490-1RB#0-Range5:20000~38000MHz



08:47:54 04.01.2024



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### Field Strength of Spurious Radiation

Test Band = LTE Band 42 3500-3600\_ 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	9291.625	41.39	-42.94	37.86	-58.95	-40.00	18.95	Horizontal
2	12032.4583	37.51	-38.83	39.18	-57.40	-40.00	17.40	Horizontal
3	7102.18	42.15	-46.09	35.85	-63.36	-40.00	23.36	Horizontal
4	10653.27	36.94	-40.99	39.09	-60.22	-40.00	20.22	Horizontal
5	14204.36	34.09	-38.18	40.74	-58.61	-40.00	18.61	Horizontal
6	17755.45	33.54	-37.93	43.74	-55.91	-40.00	15.91	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	8769.3333	41.78	-43.81	37.28	-60.01	-40.00	20.01	Vertical
2	11997	37.27	-38.60	39.20	-57.39	-40.00	17.39	Vertical
3	7102.18	42.13	-46.09	35.85	-63.38	-40.00	23.38	Vertical
4	10653.27	37.73	-40.99	39.09	-59.43	-40.00	19.43	Vertical
5	14204.36	33.65	-38.18	40.74	-59.05	-40.00	19.05	Vertical
6	17755.45	33.70	-37.93	43.74	-55.75	-40.00	15.75	Vertical



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

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**Test Band = LTE Band 42 3500-3600\_ 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	9273.4167	42.21	-42.95	37.85	-58.15	-40.00	18.15	Horizontal
2	12025.75	38.24	-38.78	39.18	-56.61	-40.00	16.61	Horizontal
3	7132.18	42.22	-45.90	35.92	-63.02	-40.00	23.02	Horizontal
4	10698.27	37.00	-40.82	39.13	-59.95	-40.00	19.95	Horizontal
5	14264.36	35.47	-38.56	40.69	-57.66	-40.00	17.66	Horizontal
6	17830.45	33.57	-37.78	44.22	-55.25	-40.00	15.25	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	8765.9792	42.00	-43.80	37.27	-59.79	-40.00	19.79	Vertical
2	11383.6667	38.65	-39.83	39.32	-57.12	-40.00	17.12	Vertical
3	7132.18	42.25	-45.90	35.92	-62.99	-40.00	22.99	Vertical
4	10698.27	37.27	-40.82	39.13	-59.68	-40.00	19.68	Vertical
5	14264.36	34.60	-38.56	40.69	-58.53	-40.00	18.53	Vertical
6	17830.45	34.25	-37.78	44.22	-54.57	-40.00	14.57	Vertical



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**Test Band = LTE Band 42 3500-3600\_ 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	9321.8125	41.97	-42.91	37.89	-58.31	-40.00	18.31	Horizontal
2	13537.5208	36.97	-38.70	39.84	-57.16	-40.00	17.16	Horizontal
3	7162.18	42.13	-45.70	35.99	-62.84	-40.00	22.84	Horizontal
4	10743.27	37.58	-40.65	39.17	-59.16	-40.00	19.16	Horizontal
5	14324.36	35.70	-38.76	40.64	-57.68	-40.00	17.68	Horizontal
6	17905.45	33.94	-37.24	44.70	-53.87	-40.00	13.87	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	8873.7917	41.93	-43.63	37.42	-59.54	-40.00	19.54	Vertical
2	13577.7708	37.01	-38.43	39.93	-56.75	-40.00	16.75	Vertical
3	7162.18	42.60	-45.70	35.99	-62.37	-40.00	22.37	Vertical
4	10743.27	37.64	-40.65	39.17	-59.10	-40.00	19.10	Vertical
5	14324.36	34.93	-38.76	40.64	-58.45	-40.00	18.45	Vertical
6	17905.45	34.85	-37.24	44.70	-52.96	-40.00	12.96	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	43340	100RB#0	VL	NT	-0.32	-0.000056	PASS
Band42	20MHz	QPSK	43340	100RB#0	VN	NT	2.20	0.000435	PASS
Band42	20MHz	QPSK	43340	100RB#0	VH	NT	1.60	0.000351	PASS

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band42	20MHz	QPSK	43340	100RB#0	NV	-30	0.60	0.000163	PASS
Band42	20MHz	QPSK	43340	100RB#0	NV	-20	0.40	0.000125	PASS
Band42	20MHz	QPSK	43340	100RB#0	NV	-10	1.60	0.000356	PASS
Band42	20MHz	QPSK	43340	100RB#0	NV	0	1.20	0.000257	PASS
Band42	20MHz	QPSK	43340	100RB#0	NV	10	1.80	0.000652	PASS
Band42	20MHz	QPSK	43340	100RB#0	NV	20	-1.40	-0.000286	PASS
Band42	20MHz	QPSK	43340	100RB#0	NV	30	1.50	0.000374	PASS
Band42	20MHz	QPSK	43340	100RB#0	NV	40	-0.60	-0.000098	PASS
Band42	20MHz	QPSK	43340	100RB#0	NV	50	-1.20	-0.000362	PASS

---End of Attachment---



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