

# Appendix B.16

## LTE Band 42(3450-3550)



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## Effective (Isotropic) Radiated Power Output Data

### Test Result

Ant0

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	EIRP(dBm)	Limit(dBm)	Verdict
Band42	5MHz	QPSK	42115	1RB#0	23.26	18.97	30.00	PASS
Band42	5MHz	QPSK	42115	1RB#12	23.29	19	30.00	PASS
Band42	5MHz	QPSK	42115	1RB#24	23.30	19.01	30.00	PASS
Band42	5MHz	QPSK	42115	25RB#0	22.34	18.05	30.00	PASS
Band42	5MHz	QPSK	42590	1RB#0	23.22	18.93	30.00	PASS
Band42	5MHz	QPSK	42590	1RB#12	23.19	18.9	30.00	PASS
Band42	5MHz	QPSK	42590	1RB#24	23.20	18.91	30.00	PASS
Band42	5MHz	QPSK	42590	25RB#0	22.32	18.03	30.00	PASS
Band42	5MHz	QPSK	43065	1RB#0	23.32	19.03	30.00	PASS
Band42	5MHz	QPSK	43065	1RB#12	23.27	18.98	30.00	PASS
Band42	5MHz	QPSK	43065	1RB#24	23.30	19.01	30.00	PASS
Band42	5MHz	QPSK	43065	25RB#0	22.42	18.13	30.00	PASS
Band42	5MHz	16QAM	42115	1RB#0	22.54	18.25	30.00	PASS
Band42	5MHz	16QAM	42115	1RB#12	22.53	18.24	30.00	PASS
Band42	5MHz	16QAM	42115	1RB#24	22.51	18.22	30.00	PASS
Band42	5MHz	16QAM	42115	25RB#0	21.38	17.09	30.00	PASS
Band42	5MHz	16QAM	42590	1RB#0	22.47	18.18	30.00	PASS
Band42	5MHz	16QAM	42590	1RB#12	22.46	18.17	30.00	PASS
Band42	5MHz	16QAM	42590	1RB#24	22.47	18.18	30.00	PASS
Band42	5MHz	16QAM	42590	25RB#0	21.38	17.09	30.00	PASS
Band42	5MHz	16QAM	43065	1RB#0	22.58	18.29	30.00	PASS
Band42	5MHz	16QAM	43065	1RB#12	22.55	18.26	30.00	PASS
Band42	5MHz	16QAM	43065	1RB#24	22.53	18.24	30.00	PASS
Band42	5MHz	16QAM	43065	25RB#0	21.43	17.14	30.00	PASS
Band42	5MHz	64QAM	42115	1RB#0	22.44	18.15	30.00	PASS
Band42	5MHz	64QAM	42115	1RB#12	22.41	18.12	30.00	PASS



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Band42	5MHz	64QAM	42115	1RB#24	22.39	18.1	30.00	PASS
Band42	5MHz	64QAM	42115	25RB#0	21.32	17.03	30.00	PASS
Band42	5MHz	64QAM	42590	1RB#0	22.38	18.09	30.00	PASS
Band42	5MHz	64QAM	42590	1RB#12	22.35	18.06	30.00	PASS
Band42	5MHz	64QAM	42590	1RB#24	22.36	18.07	30.00	PASS
Band42	5MHz	64QAM	42590	25RB#0	21.30	17.01	30.00	PASS
Band42	5MHz	64QAM	43065	1RB#0	22.48	18.19	30.00	PASS
Band42	5MHz	64QAM	43065	1RB#12	22.43	18.14	30.00	PASS
Band42	5MHz	64QAM	43065	1RB#24	22.46	18.17	30.00	PASS
Band42	5MHz	64QAM	43065	25RB#0	21.38	17.09	30.00	PASS
Band42	10MHz	QPSK	42140	1RB#0	23.30	19.01	30.00	PASS
Band42	10MHz	QPSK	42140	1RB#24	23.30	19.01	30.00	PASS
Band42	10MHz	QPSK	42140	1RB#49	23.37	19.08	30.00	PASS
Band42	10MHz	QPSK	42140	50RB#0	22.51	18.22	30.00	PASS
Band42	10MHz	QPSK	42590	1RB#0	23.23	18.94	30.00	PASS
Band42	10MHz	QPSK	42590	1RB#24	23.23	18.94	30.00	PASS
Band42	10MHz	QPSK	42590	1RB#49	23.24	18.95	30.00	PASS
Band42	10MHz	QPSK	42590	50RB#0	22.35	18.06	30.00	PASS
Band42	10MHz	QPSK	43040	1RB#0	23.31	19.02	30.00	PASS
Band42	10MHz	QPSK	43040	1RB#24	23.30	19.01	30.00	PASS
Band42	10MHz	QPSK	43040	1RB#49	23.27	18.98	30.00	PASS
Band42	10MHz	QPSK	43040	50RB#0	22.44	18.15	30.00	PASS
Band42	10MHz	16QAM	42140	1RB#0	22.55	18.26	30.00	PASS
Band42	10MHz	16QAM	42140	1RB#24	22.53	18.24	30.00	PASS
Band42	10MHz	16QAM	42140	1RB#49	22.62	18.33	30.00	PASS
Band42	10MHz	16QAM	42140	50RB#0	21.56	17.27	30.00	PASS
Band42	10MHz	16QAM	42590	1RB#0	22.51	18.22	30.00	PASS
Band42	10MHz	16QAM	42590	1RB#24	22.50	18.21	30.00	PASS
Band42	10MHz	16QAM	42590	1RB#49	22.49	18.2	30.00	PASS
Band42	10MHz	16QAM	42590	50RB#0	21.40	17.11	30.00	PASS
Band42	10MHz	16QAM	43040	1RB#0	22.56	18.27	30.00	PASS
Band42	10MHz	16QAM	43040	1RB#24	22.52	18.23	30.00	PASS



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Band42	10MHz	16QAM	43040	1RB#49	22.53	18.24	30.00	PASS
Band42	10MHz	16QAM	43040	50RB#0	21.47	17.18	30.00	PASS
Band42	10MHz	64QAM	42140	1RB#0	21.32	17.03	30.00	PASS
Band42	10MHz	64QAM	42140	1RB#24	21.33	17.04	30.00	PASS
Band42	10MHz	64QAM	42140	1RB#49	21.43	17.14	30.00	PASS
Band42	10MHz	64QAM	42140	50RB#0	20.56	16.27	30.00	PASS
Band42	10MHz	64QAM	42590	1RB#0	21.27	16.98	30.00	PASS
Band42	10MHz	64QAM	42590	1RB#24	21.26	16.97	30.00	PASS
Band42	10MHz	64QAM	42590	1RB#49	21.28	16.99	30.00	PASS
Band42	10MHz	64QAM	42590	50RB#0	20.40	16.11	30.00	PASS
Band42	10MHz	64QAM	43040	1RB#0	21.35	17.06	30.00	PASS
Band42	10MHz	64QAM	43040	1RB#24	21.34	17.05	30.00	PASS
Band42	10MHz	64QAM	43040	1RB#49	21.35	17.06	30.00	PASS
Band42	10MHz	64QAM	43040	50RB#0	20.45	16.16	30.00	PASS
Band42	15MHz	QPSK	42165	1RB#0	23.21	18.92	30.00	PASS
Band42	15MHz	QPSK	42165	1RB#38	23.38	19.09	30.00	PASS
Band42	15MHz	QPSK	42165	1RB#74	23.43	19.14	30.00	PASS
Band42	15MHz	QPSK	42165	75RB#0	22.50	18.21	30.00	PASS
Band42	15MHz	QPSK	42590	1RB#0	23.21	18.92	30.00	PASS
Band42	15MHz	QPSK	42590	1RB#38	23.24	18.95	30.00	PASS
Band42	15MHz	QPSK	42590	1RB#74	23.29	19	30.00	PASS
Band42	15MHz	QPSK	42590	75RB#0	22.35	18.06	30.00	PASS
Band42	15MHz	QPSK	43015	1RB#0	23.24	18.95	30.00	PASS
Band42	15MHz	QPSK	43015	1RB#38	23.30	19.01	30.00	PASS
Band42	15MHz	QPSK	43015	1RB#74	23.32	19.03	30.00	PASS
Band42	15MHz	QPSK	43015	75RB#0	22.44	18.15	30.00	PASS
Band42	15MHz	16QAM	42165	1RB#0	22.46	18.17	30.00	PASS
Band42	15MHz	16QAM	42165	1RB#38	22.60	18.31	30.00	PASS
Band42	15MHz	16QAM	42165	1RB#74	22.70	18.41	30.00	PASS
Band42	15MHz	16QAM	42165	75RB#0	21.53	17.24	30.00	PASS
Band42	15MHz	16QAM	42590	1RB#0	22.44	18.15	30.00	PASS
Band42	15MHz	16QAM	42590	1RB#38	22.46	18.17	30.00	PASS



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Band42	15MHz	16QAM	42590	1RB#74	22.52	18.23	30.00	PASS
Band42	15MHz	16QAM	42590	75RB#0	21.39	17.1	30.00	PASS
Band42	15MHz	16QAM	43015	1RB#0	22.52	18.23	30.00	PASS
Band42	15MHz	16QAM	43015	1RB#38	22.57	18.28	30.00	PASS
Band42	15MHz	16QAM	43015	1RB#74	22.54	18.25	30.00	PASS
Band42	15MHz	16QAM	43015	75RB#0	21.46	17.17	30.00	PASS
Band42	15MHz	64QAM	42165	1RB#0	21.28	16.99	30.00	PASS
Band42	15MHz	64QAM	42165	1RB#38	21.40	17.11	30.00	PASS
Band42	15MHz	64QAM	42165	1RB#74	21.46	17.17	30.00	PASS
Band42	15MHz	64QAM	42165	75RB#0	20.54	16.25	30.00	PASS
Band42	15MHz	64QAM	42590	1RB#0	21.25	16.96	30.00	PASS
Band42	15MHz	64QAM	42590	1RB#38	21.27	16.98	30.00	PASS
Band42	15MHz	64QAM	42590	1RB#74	21.35	17.06	30.00	PASS
Band42	15MHz	64QAM	42590	75RB#0	20.39	16.1	30.00	PASS
Band42	15MHz	64QAM	43015	1RB#0	21.32	17.03	30.00	PASS
Band42	15MHz	64QAM	43015	1RB#38	21.31	17.02	30.00	PASS
Band42	15MHz	64QAM	43015	1RB#74	21.37	17.08	30.00	PASS
Band42	15MHz	64QAM	43015	75RB#0	20.45	16.16	30.00	PASS
Band42	20MHz	QPSK	42190	1RB#0	23.19	18.9	30.00	PASS
Band42	20MHz	QPSK	42190	1RB#49	23.33	19.04	30.00	PASS
Band42	20MHz	QPSK	42190	1RB#99	23.39	19.1	30.00	PASS
Band42	20MHz	QPSK	42190	100RB#0	22.48	18.19	30.00	PASS
Band42	20MHz	QPSK	42590	1RB#0	23.21	18.92	30.00	PASS
Band42	20MHz	QPSK	42590	1RB#49	23.19	18.9	30.00	PASS
Band42	20MHz	QPSK	42590	1RB#99	23.29	19	30.00	PASS
Band42	20MHz	QPSK	42590	100RB#0	22.37	18.08	30.00	PASS
Band42	20MHz	QPSK	42990	1RB#0	23.25	18.96	30.00	PASS
Band42	20MHz	QPSK	42990	1RB#49	23.30	19.01	30.00	PASS
Band42	20MHz	QPSK	42990	1RB#99	23.31	19.02	30.00	PASS
Band42	20MHz	QPSK	42990	100RB#0	22.45	18.16	30.00	PASS
Band42	20MHz	16QAM	42190	1RB#0	22.43	18.14	30.00	PASS
Band42	20MHz	16QAM	42190	1RB#49	22.61	18.32	30.00	PASS



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Band42	20MHz	16QAM	42190	1RB#99	22.64	18.35	30.00	PASS
Band42	20MHz	16QAM	42190	100RB#0	21.54	17.25	30.00	PASS
Band42	20MHz	16QAM	42590	1RB#0	22.44	18.15	30.00	PASS
Band42	20MHz	16QAM	42590	1RB#49	22.45	18.16	30.00	PASS
Band42	20MHz	16QAM	42590	1RB#99	22.51	18.22	30.00	PASS
Band42	20MHz	16QAM	42590	100RB#0	21.39	17.1	30.00	PASS
Band42	20MHz	16QAM	42990	1RB#0	22.50	18.21	30.00	PASS
Band42	20MHz	16QAM	42990	1RB#49	22.54	18.25	30.00	PASS
Band42	20MHz	16QAM	42990	1RB#99	22.56	18.27	30.00	PASS
Band42	20MHz	16QAM	42990	100RB#0	21.47	17.18	30.00	PASS
Band42	20MHz	64QAM	42190	1RB#0	21.20	16.91	30.00	PASS
Band42	20MHz	64QAM	42190	1RB#49	21.38	17.09	30.00	PASS
Band42	20MHz	64QAM	42190	1RB#99	21.45	17.16	30.00	PASS
Band42	20MHz	64QAM	42190	100RB#0	20.53	16.24	30.00	PASS
Band42	20MHz	64QAM	42590	1RB#0	21.23	16.94	30.00	PASS
Band42	20MHz	64QAM	42590	1RB#49	21.25	16.96	30.00	PASS
Band42	20MHz	64QAM	42590	1RB#99	21.33	17.04	30.00	PASS
Band42	20MHz	64QAM	42590	100RB#0	20.41	16.12	30.00	PASS
Band42	20MHz	64QAM	42990	1RB#0	21.31	17.02	30.00	PASS
Band42	20MHz	64QAM	42990	1RB#49	21.36	17.07	30.00	PASS
Band42	20MHz	64QAM	42990	1RB#99	21.39	17.1	30.00	PASS
Band42	20MHz	64QAM	42990	100RB#0	20.46	16.17	30.00	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	42190	100RB#0	9.06	13	PASS
Band42	20MHz	QPSK	42590	100RB#0	9.16	13	PASS
Band42	20MHz	QPSK	42990	100RB#0	8.84	13	PASS
Band42	20MHz	16QAM	42190	100RB#0	9.86	13	PASS
Band42	20MHz	16QAM	42590	100RB#0	9.70	13	PASS
Band42	20MHz	16QAM	42990	100RB#0	9.74	13	PASS
Band42	20MHz	64QAM	42190	100RB#0	9.94	13	PASS
Band42	20MHz	64QAM	42590	100RB#0	10.14	13	PASS
Band42	20MHz	64QAM	42990	100RB#0	9.94	13	PASS



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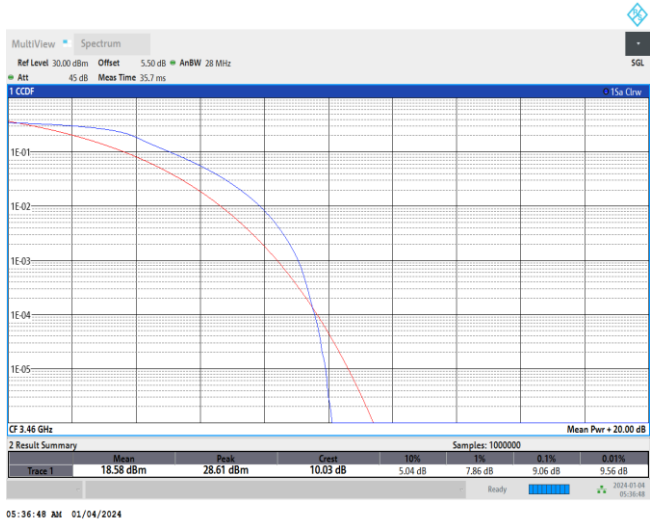
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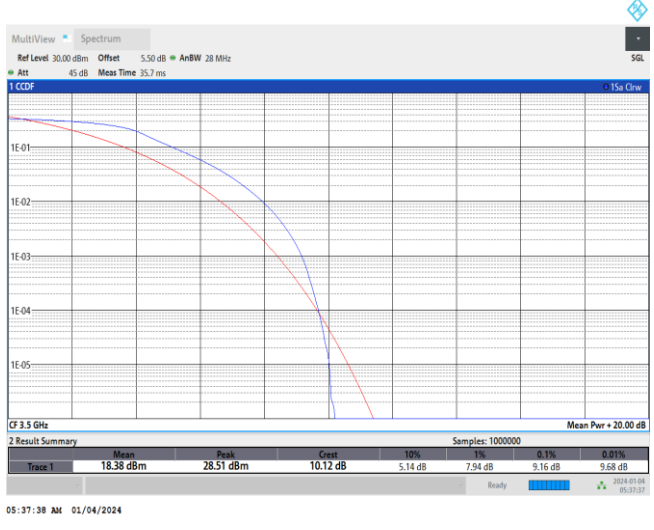
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Test Graphs

Band42-20MHz-QPSK-42190-100RB#0



Band42-20MHz-QPSK-42590-100RB#0



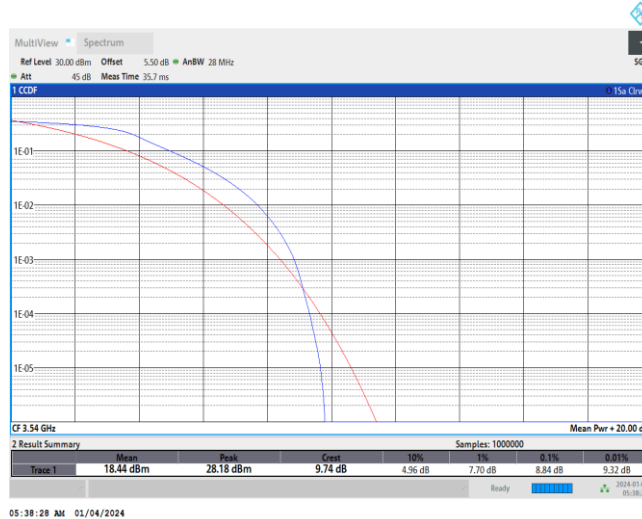
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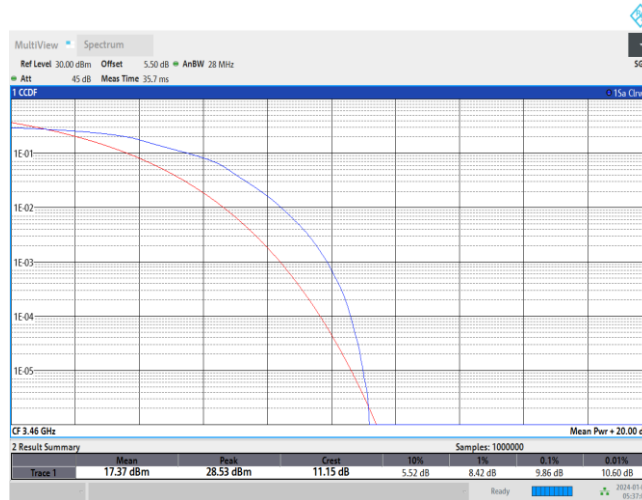


Band42-20MHz-QPSK-42990-100RB#0



05:38:28 AM 01/04/2024

Band42-20MHz-16QAM-42190-100RB#0



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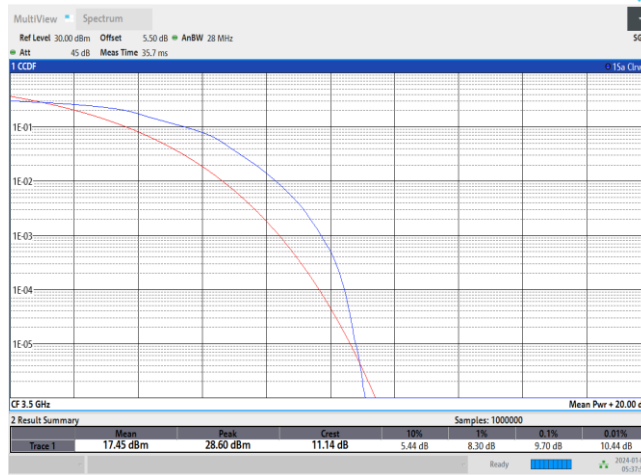


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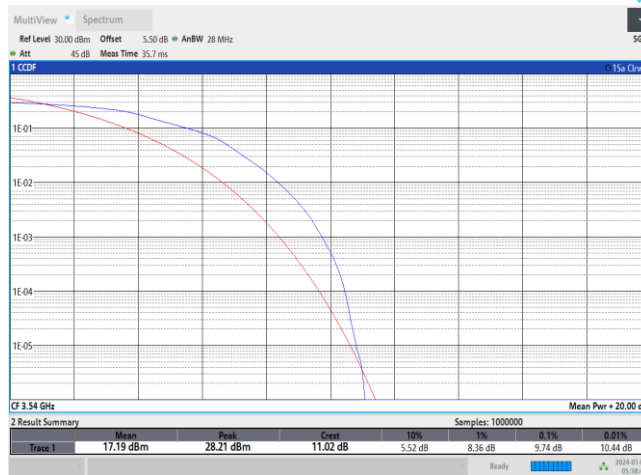
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Band42-20MHz-16QAM-42590-100RB#0



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Band42-20MHz-16QAM-42990-100RB#0



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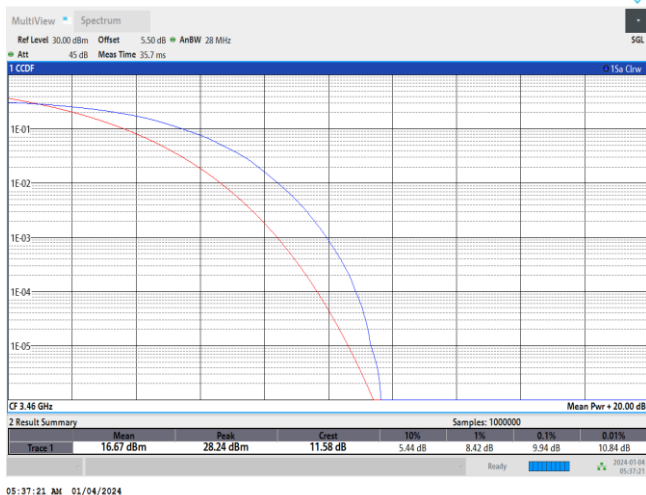


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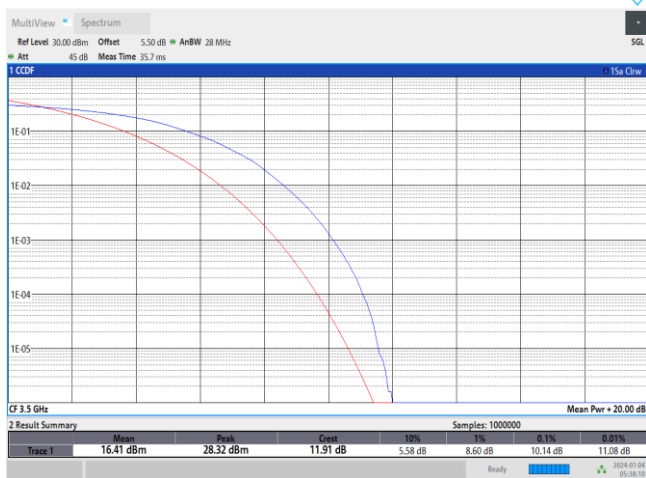
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Band42-20MHz-64QAM-42190-100RB#0



05:37:21 AM 01/04/2024

Band42-20MHz-64QAM-42590-100RB#0



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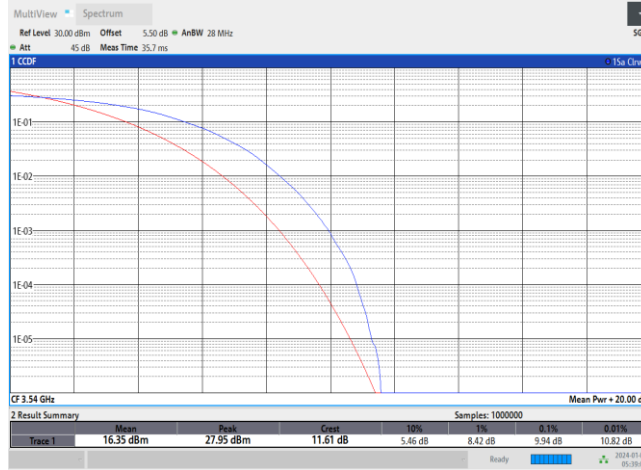


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Band42-20MHz-64QAM-42990-100RB#0



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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	42590	25RB#0	4.507	5.28	PASS
Band42	5MHz	16QAM	42590	25RB#0	4.497	4.99	PASS
Band42	5MHz	64QAM	42590	25RB#0	4.508	5.03	PASS
Band42	10MHz	QPSK	42590	50RB#0	8.987	9.93	PASS
Band42	10MHz	16QAM	42590	50RB#0	8.961	9.90	PASS
Band42	10MHz	64QAM	42590	50RB#0	8.99	9.90	PASS
Band42	15MHz	QPSK	42590	75RB#0	13.485	14.85	PASS
Band42	15MHz	16QAM	42590	75RB#0	13.468	14.85	PASS
Band42	15MHz	64QAM	42590	75RB#0	13.437	14.75	PASS
Band42	20MHz	QPSK	42590	100RB#0	17.964	19.67	PASS
Band42	20MHz	16QAM	42590	100RB#0	17.936	19.67	PASS
Band42	20MHz	64QAM	42590	100RB#0	17.914	19.67	PASS



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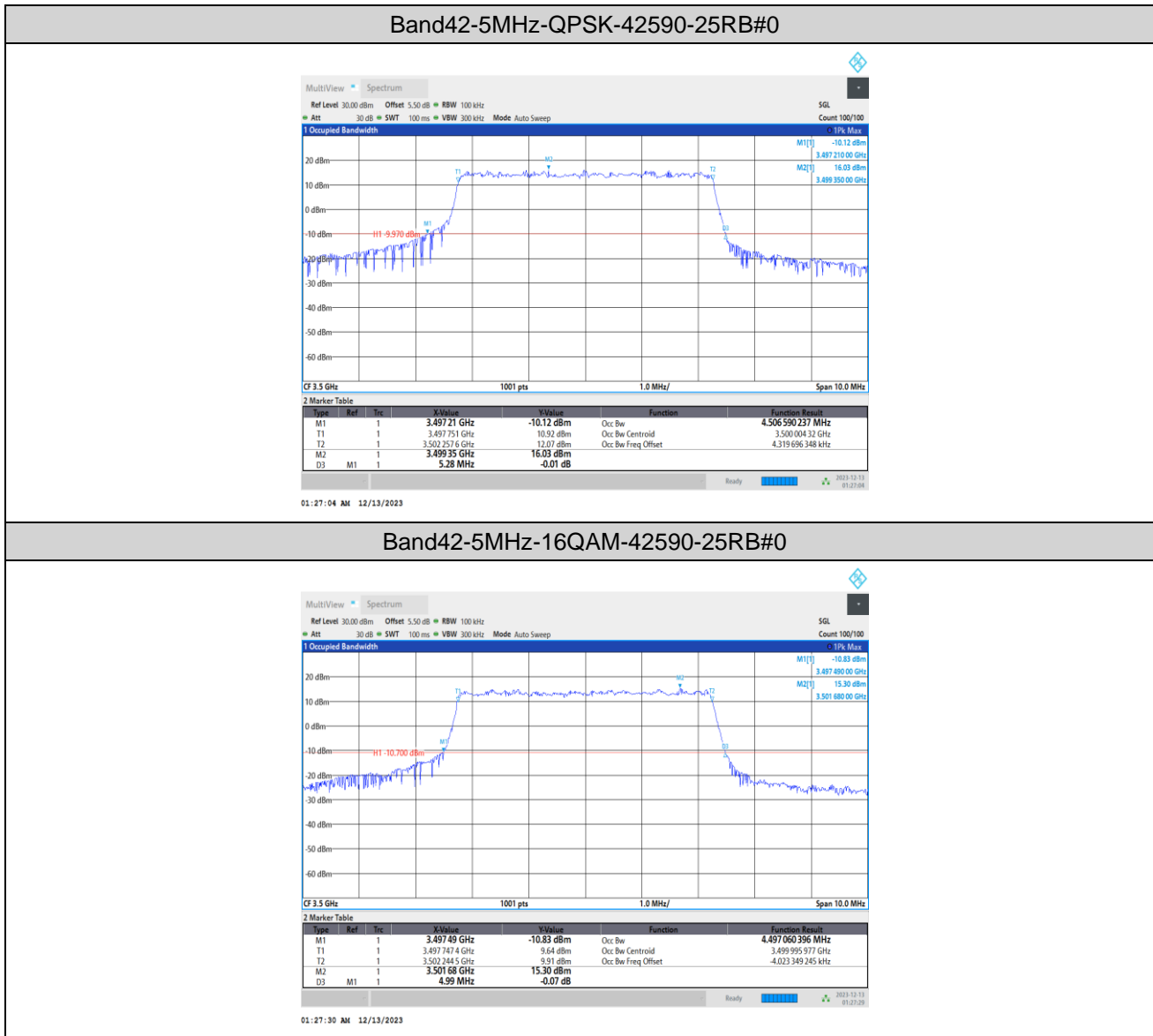
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Test Graphs

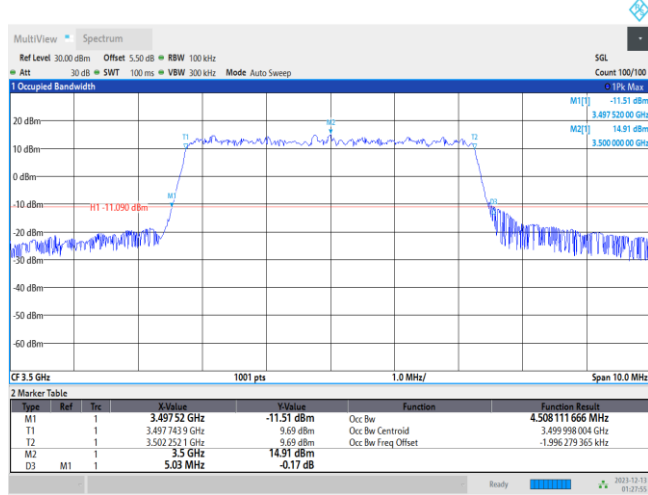


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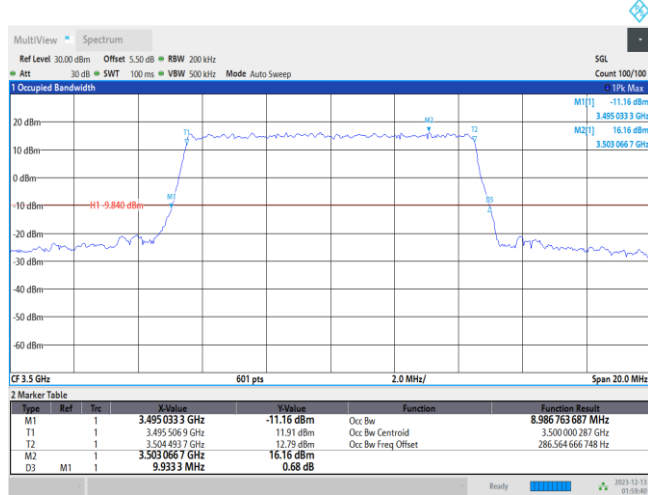
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Band42-5MHz-64QAM-42590-25RB#0



01:27:56 AM 12/13/2023

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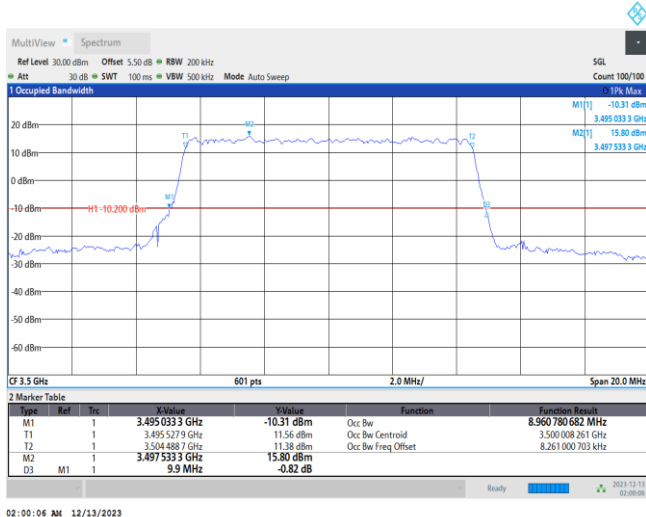


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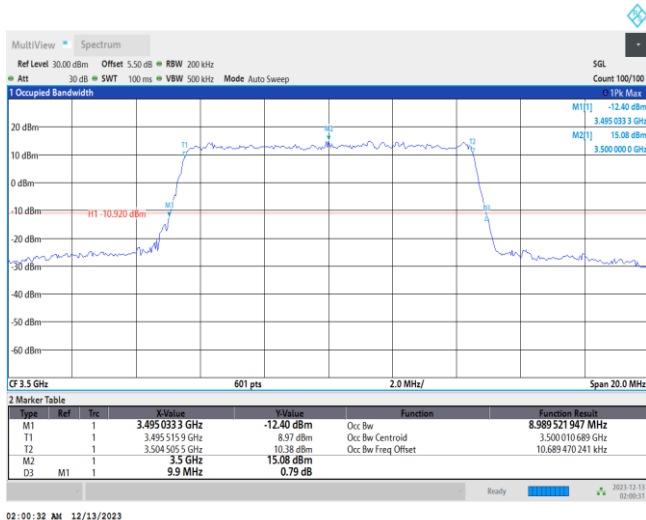
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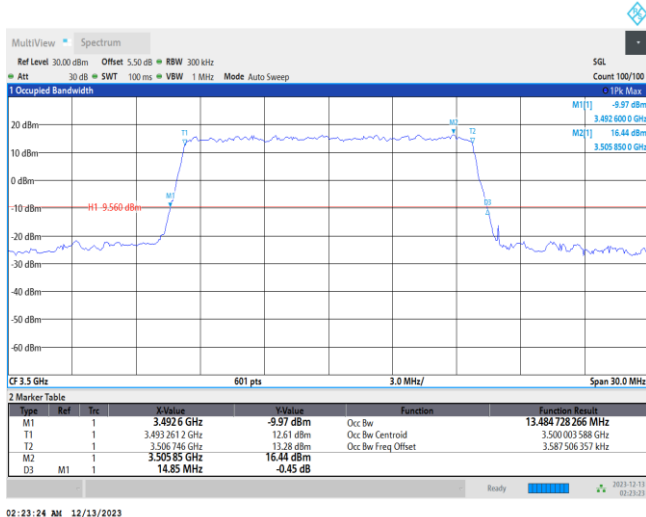
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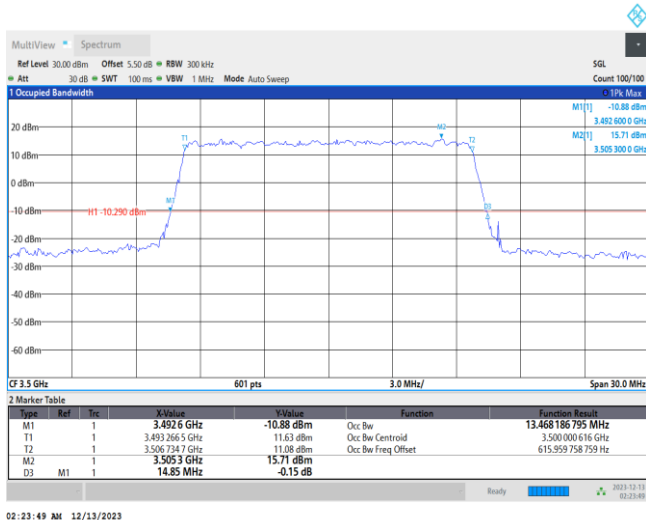
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Band42-15MHz-QPSK-42590-75RB#0



Band42-15MHz-16QAM-42590-75RB#0

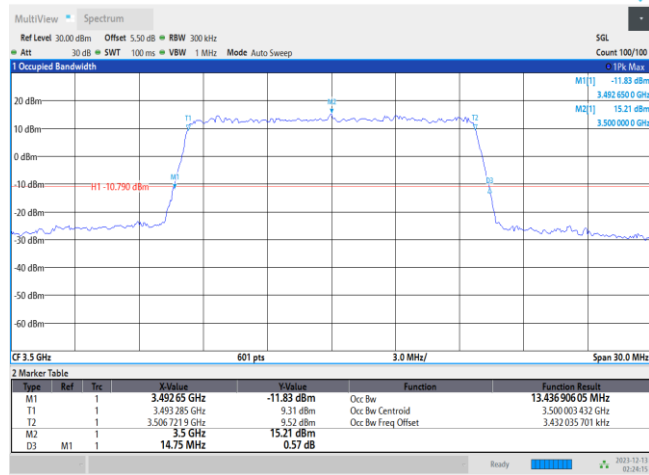


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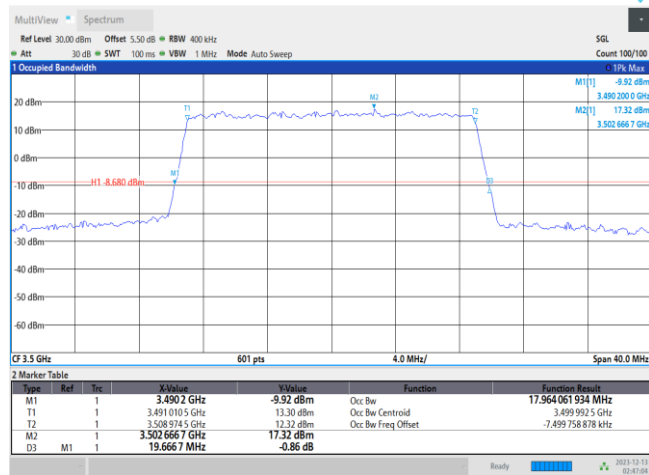
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Band42-15MHz-64QAM-42590-75RB#0



02:24:15 AM 12/13/2023

Band42-20MHz-QPSK-42590-100RB#0



02:47:05 AM 12/13/2023

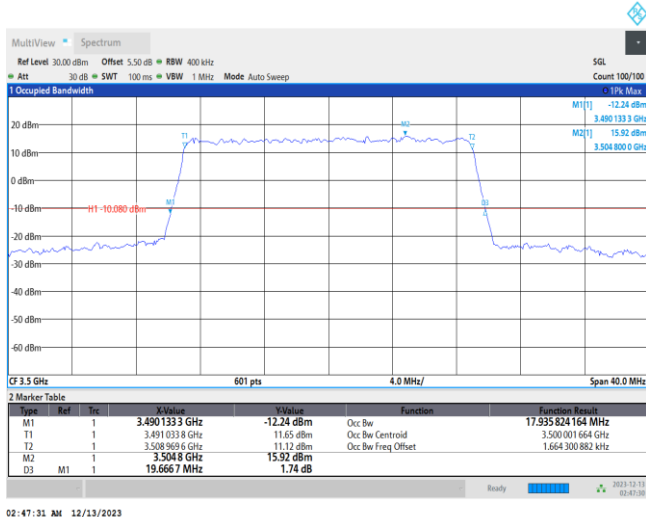


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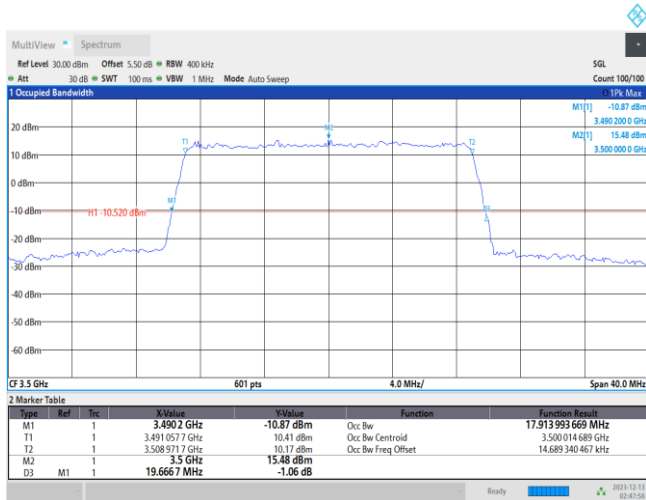
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Band42-20MHz-16QAM-42590-100RB#0



02:47:31 AM 12/13/2023

Band42-20MHz-64QAM-42590-100RB#0



02:47:57 AM 12/13/2023



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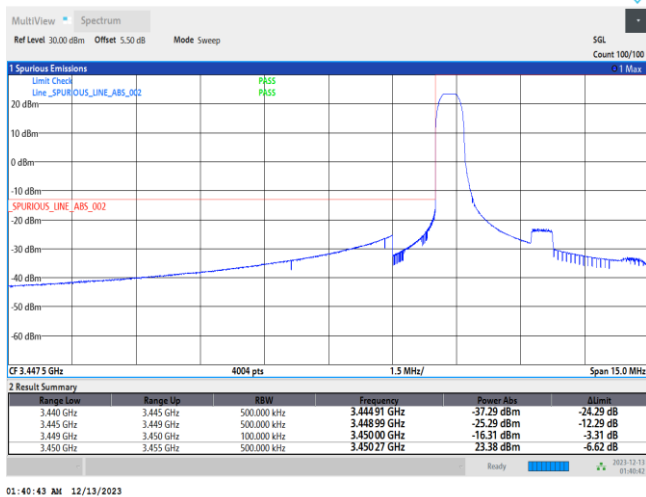
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## Band Edge

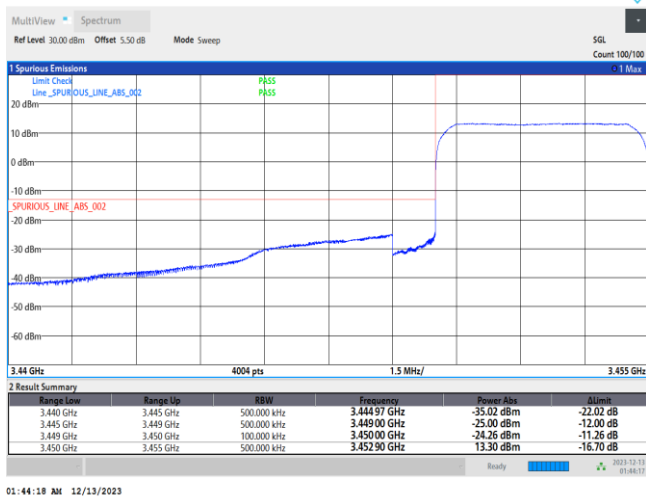
## Test Graphs

### Band42-5MHz-QPSK-42115-1RB#0



01:40:43 AM 12/13/2023

### Band42-5MHz-QPSK-42115-25RB#0



01:44:18 AM 12/13/2023



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Band42-5MHz-QPSK-43065-1RB#24



01:48:09 AM 12/13/2023

Band42-5MHz-QPSK-43065-25RB#0



01:51:47 AM 12/13/2023

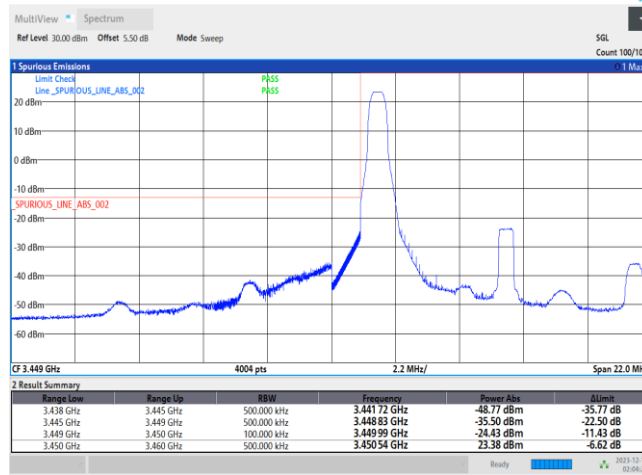


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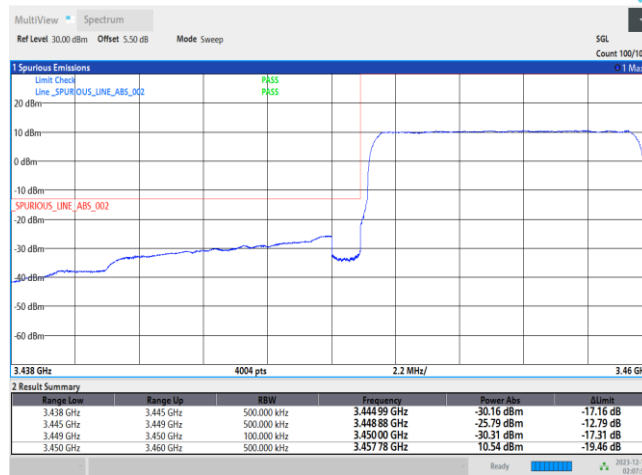
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Band42-10MHz-QPSK-42140-1RB#0



02:04:24 AM 12/13/2023

Band42-10MHz-QPSK-42140-50RB#0



02:07:59 AM 12/13/2023

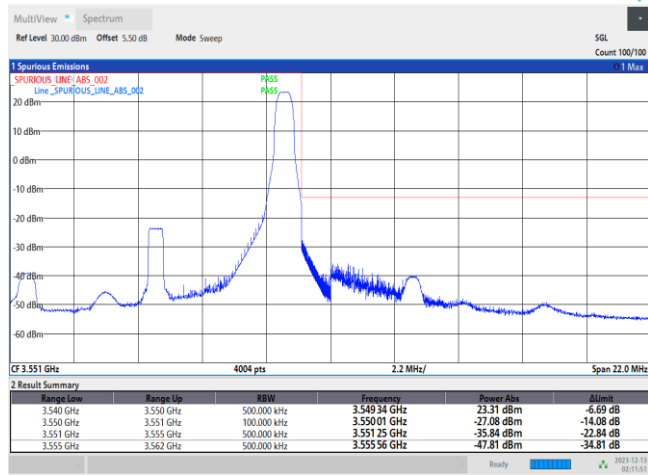


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Band42-10MHz-QPSK-43040-1RB#49



02:11:52 AM 12/13/2023

Band42-10MHz-QPSK-43040-50RB#0



02:15:30 AM 12/13/2023

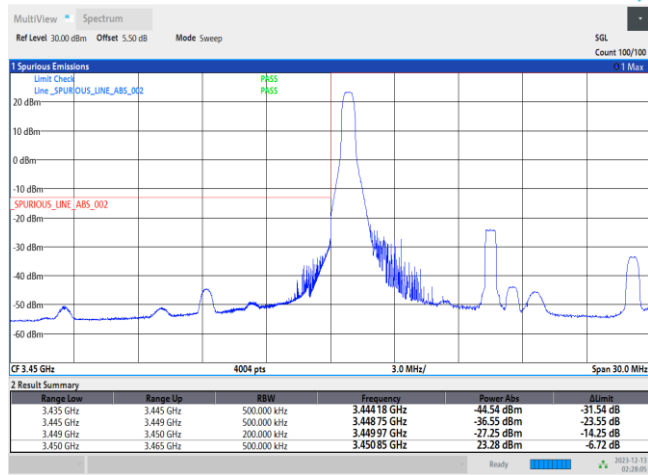


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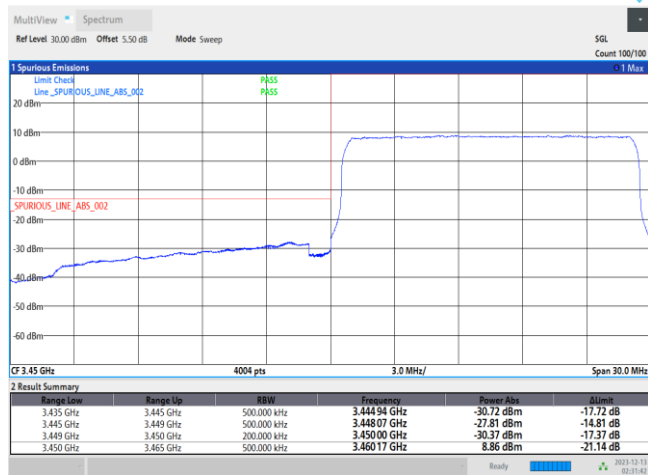
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Band42-15MHz-QPSK-42165-1RB#0



02:28:06 AM 12/13/2023

Band42-15MHz-QPSK-42165-75RB#0



02:31:42 AM 12/13/2023



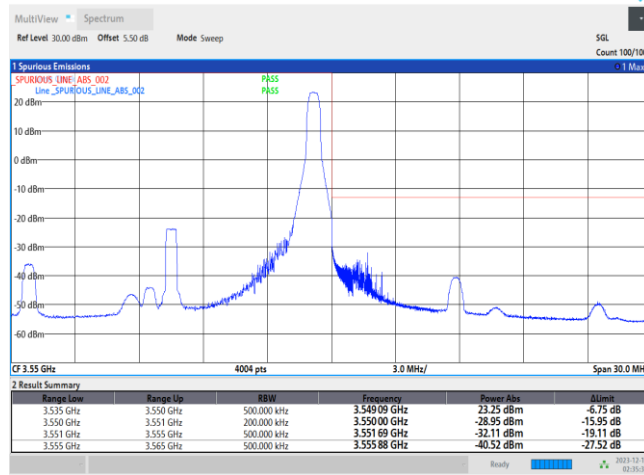
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Band42-15MHz-QPSK-43015-1RB#74



02:35:35 AM 12/13/2023

Band42-15MHz-QPSK-43015-75RB#0



02:39:10 AM 12/13/2023

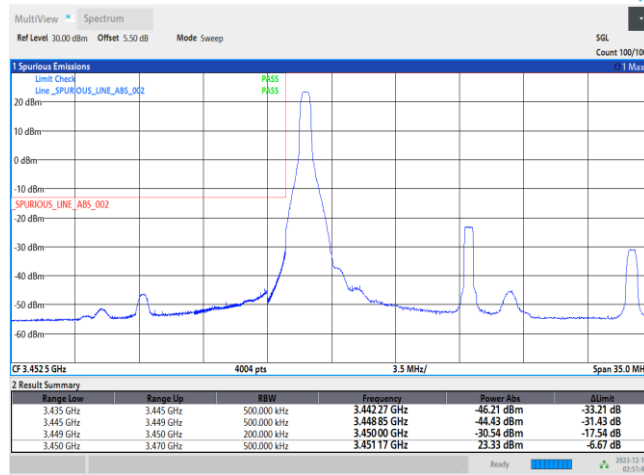


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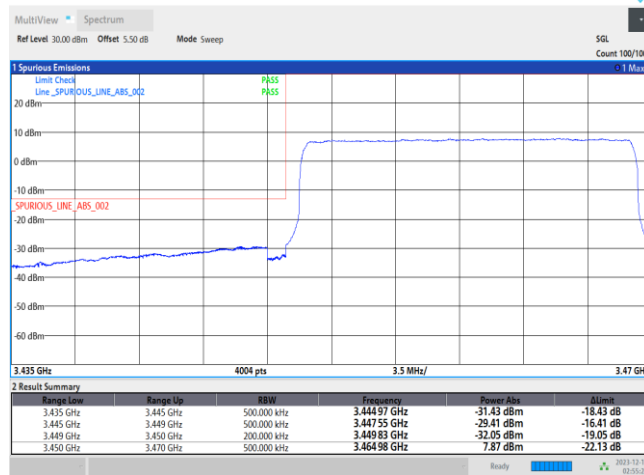
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Band42-20MHz-QPSK-42190-1RB#0



02:51:49 AM 12/13/2023

Band42-20MHz-QPSK-42190-100RB#0



02:55:23 AM 12/13/2023

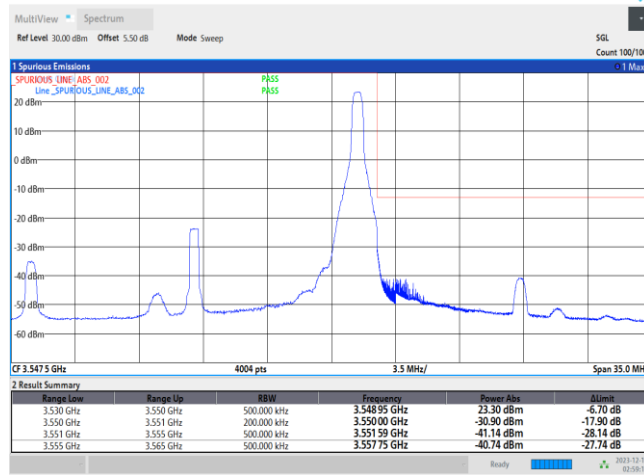


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Band42-20MHz-QPSK-42990-1RB#99



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Band42-20MHz-QPSK-42990-100RB#0



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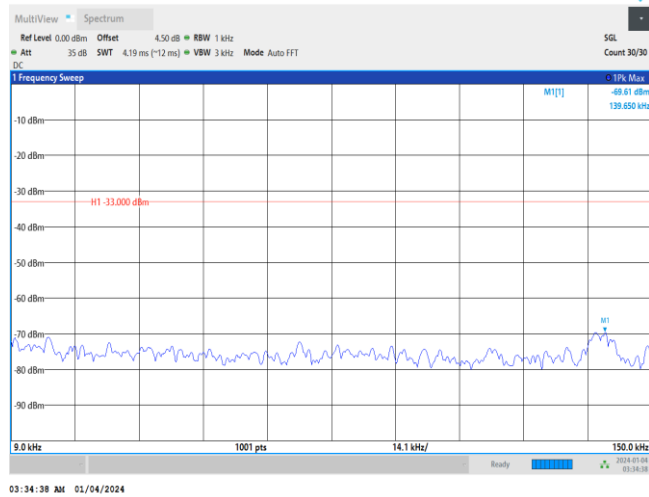
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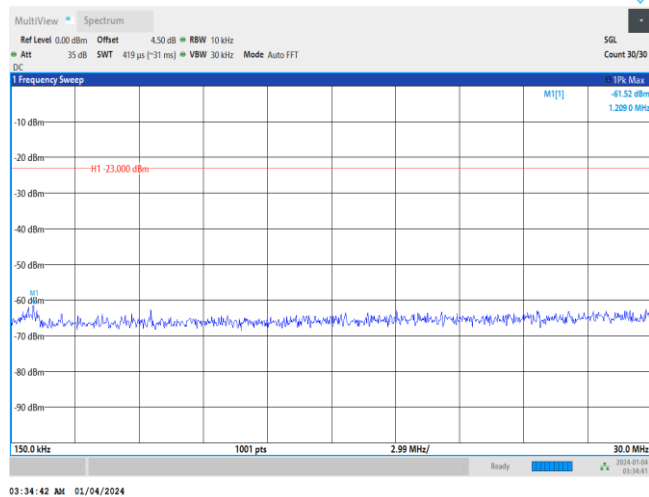
## Conducted Spurious Emission

### Test Graphs

Band42-20MHz-QPSK-42190-1RB#0-Range1:0.009~0.15MHz



Band42-20MHz-QPSK-42190-1RB#0-Range2:0.15~30MHz

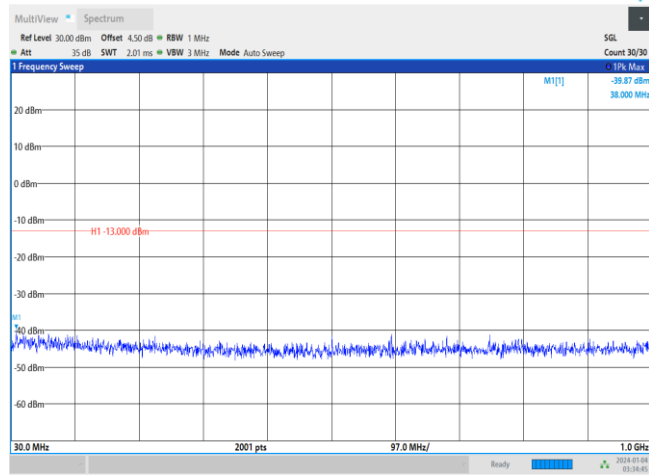


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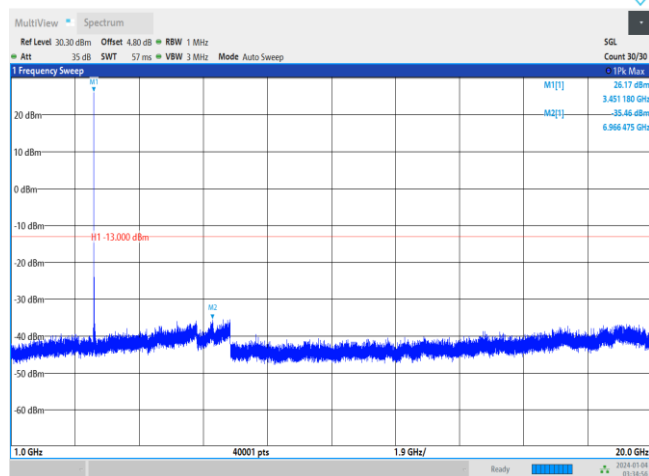
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Band42-20MHz-QPSK-42190-1RB#0-Range3:30~1000MHz



03:34:45 AM 01/04/2024

Band42-20MHz-QPSK-42190-1RB#0-Range4:1000~20000MHz



03:34:56 AM 01/04/2024



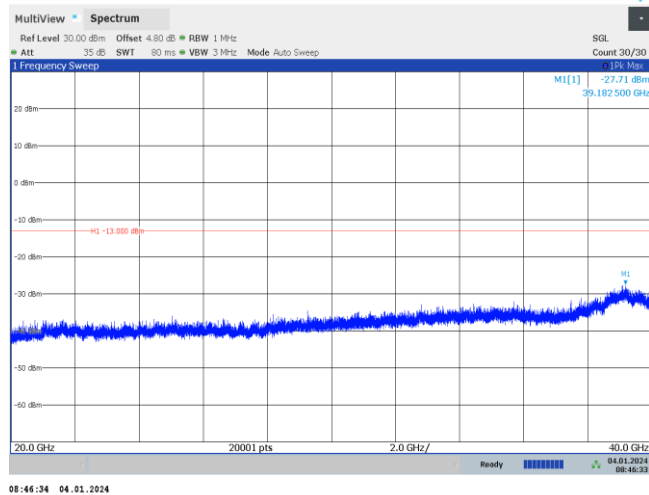
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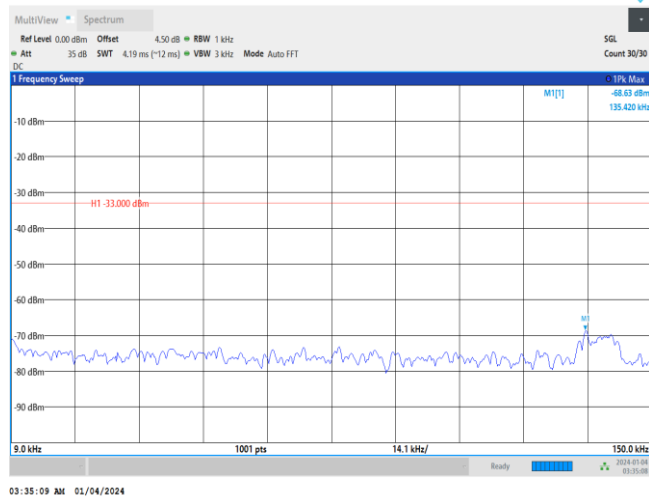
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Band42-20MHz-QPSK-42190-1RB#0-Range5:20000~40000MHz



Band42-20MHz-QPSK-42590-1RB#0-Range1:0.009~0.15MHz

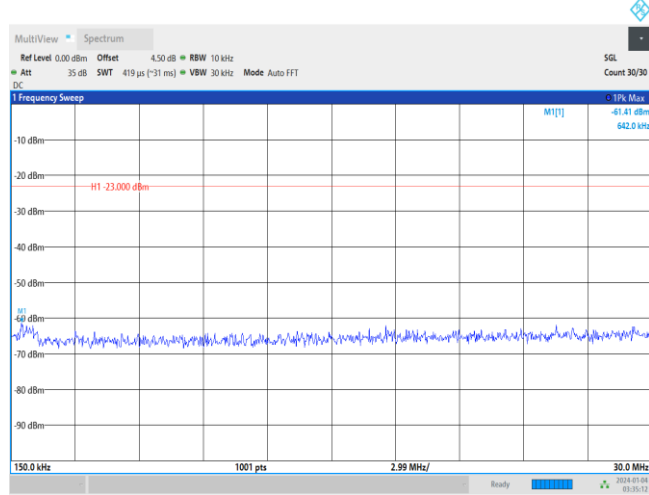


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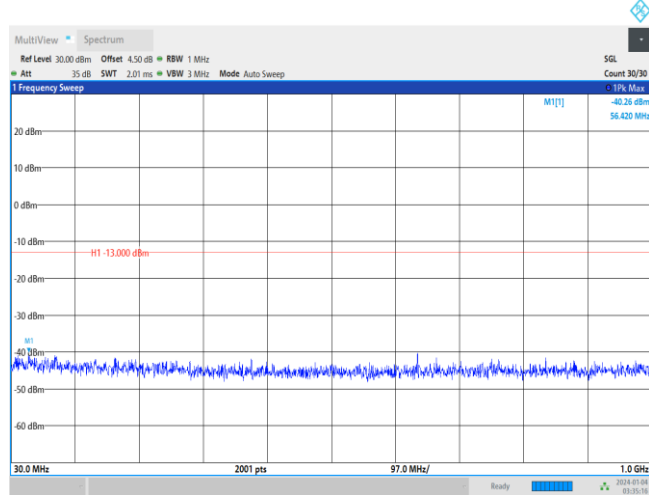
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Band42-20MHz-QPSK-42590-1RB#0-Range2:0.15~30MHz



03:35:13 AM 01/04/2024

Band42-20MHz-QPSK-42590-1RB#0-Range3:30~1000MHz



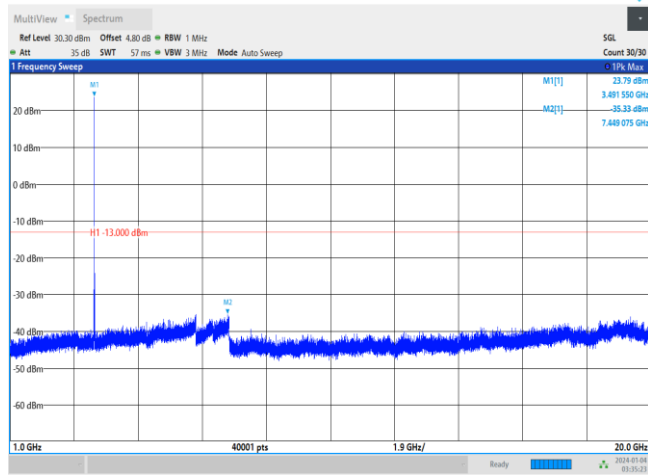
03:35:17 AM 01/04/2024



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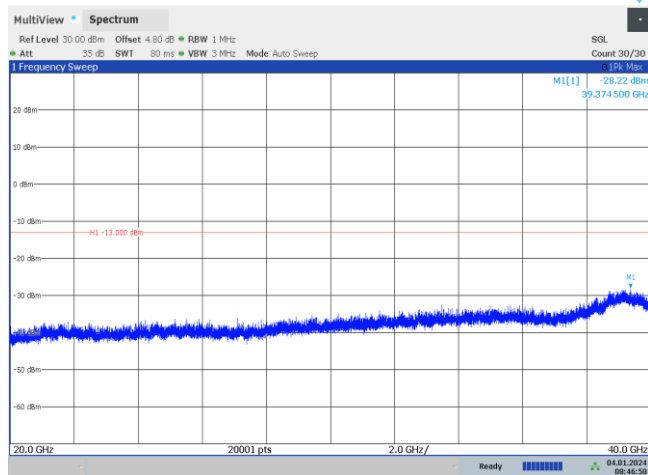
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Band42-20MHz-QPSK-42590-1RB#0-Range4:1000~20000MHz



03:35:24 AM 01/04/2024

Band42-20MHz-QPSK-42590-1RB#0-Range5:2000~40000MHz



08:46:50 04.01.2024

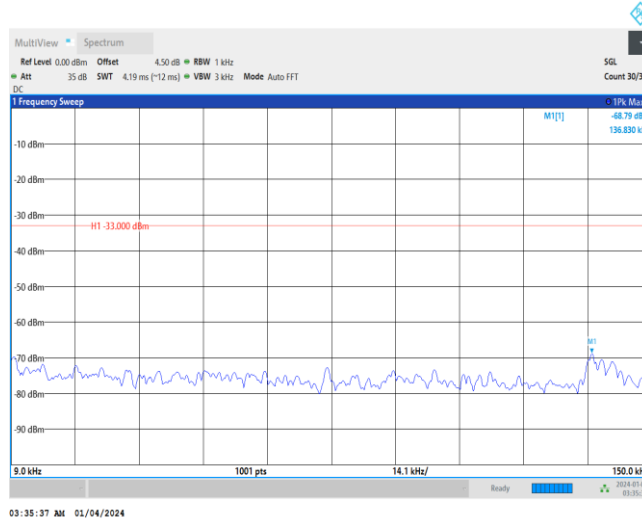


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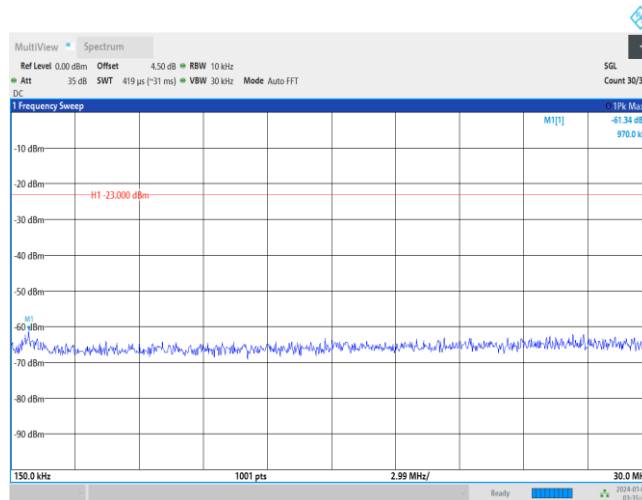
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Band42-20MHz-QPSK-42990-1RB#0-Range1:0.009~0.15MHz



03:35:37 AM 01/04/2024

Band42-20MHz-QPSK-42990-1RB#0-Range2:0.15~30MHz



03:35:41 AM 01/04/2024



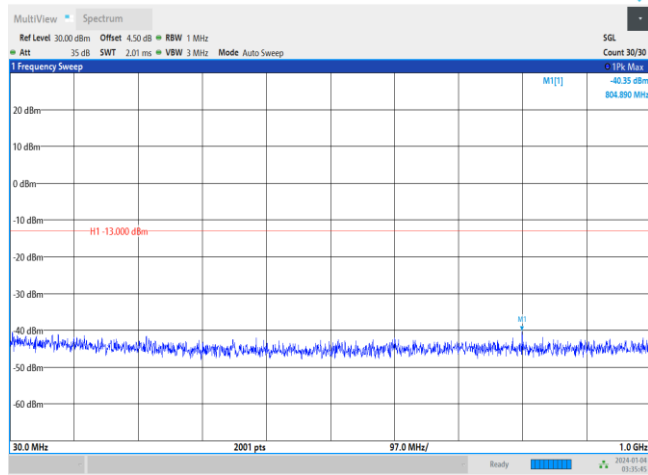
SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.  
Wireless Laboratory

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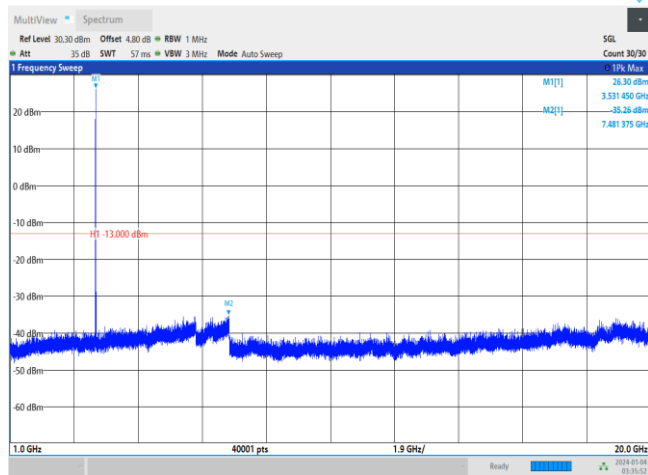
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Band42-20MHz-QPSK-42990-1RB#0-Range3:30~1000MHz



03:35:45 AM 01/04/2024

Band42-20MHz-QPSK-42990-1RB#0-Range4:1000~20000MHz



03:35:53 AM 01/04/2024



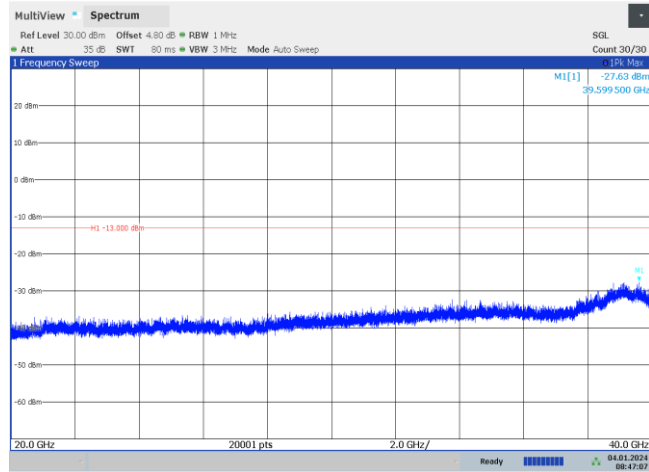
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Band42-20MHz-QPSK-42990-1RB#0-Range5:20000~40000MHz



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### Field Strength of Spurious Radiation

Test Band = LTE Band 42 3450-3550\_ 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	7862.2708	43.43	-44.94	36.37	-60.41	-13.00	47.41	Horizontal
2	12005.1458	37.71	-38.60	39.20	-56.96	-13.00	43.96	Horizontal
3	6902.18	42.36	-46.13	35.39	-63.65	-13.00	50.65	Horizontal
4	10353.27	38.11	-41.17	38.82	-59.50	-13.00	46.50	Horizontal
5	13804.36	35.16	-38.51	40.45	-58.16	-13.00	45.16	Horizontal
6	17255.45	34.59	-37.14	40.54	-57.27	-13.00	44.27	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	7865.625	43.42	-44.95	36.36	-60.42	-13.00	47.42	Vertical
2	12030.5417	37.48	-38.82	39.18	-57.41	-13.00	44.41	Vertical
3	6902.18	41.87	-46.13	35.39	-64.14	-13.00	51.14	Vertical
4	10353.27	37.51	-41.17	38.82	-60.10	-13.00	47.10	Vertical
5	13804.36	35.13	-38.51	40.45	-58.19	-13.00	45.19	Vertical
6	17255.45	34.69	-37.14	40.54	-57.17	-13.00	44.17	Vertical



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**Test Band = LTE Band 42 3450-3550\_ 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	7834.4792	43.39	-44.92	36.40	-60.40	-13.00	47.40	Horizontal
2	12016.6458	37.88	-38.70	39.19	-56.89	-13.00	43.89	Horizontal
3	6982.18	42.24	-45.95	35.56	-63.41	-13.00	50.41	Horizontal
4	10473.27	36.83	-40.75	38.93	-60.25	-13.00	47.25	Horizontal
5	13964.36	35.40	-38.86	40.82	-57.90	-13.00	44.90	Horizontal
6	17455.45	34.17	-36.60	41.82	-55.88	-13.00	42.88	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	8928.8958	41.79	-43.57	37.50	-59.54	-13.00	46.54	Vertical
2	12374.1042	36.81	-38.57	38.98	-58.05	-13.00	45.05	Vertical
3	6982.18	42.94	-45.95	35.56	-62.71	-13.00	49.71	Vertical
4	10473.27	37.65	-40.75	38.93	-59.43	-13.00	46.43	Vertical
5	13964.36	35.47	-38.86	40.82	-57.83	-13.00	44.83	Vertical
6	17455.45	33.79	-36.60	41.82	-56.26	-13.00	43.26	Vertical



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**Test Band = LTE Band 42 3450-3550\_ 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	8498.6042	41.63	-43.69	36.90	-60.42	-13.00	47.42	Horizontal
2	12059.7708	37.75	-39.06	39.16	-57.41	-13.00	44.41	Horizontal
3	7062.18	42.09	-46.04	35.75	-63.45	-13.00	50.45	Horizontal
4	10593.27	37.56	-41.15	39.03	-59.82	-13.00	46.82	Horizontal
5	14124.36	35.29	-38.60	40.80	-57.77	-13.00	44.77	Horizontal
6	17655.45	34.30	-37.34	43.10	-55.21	-13.00	42.21	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	8707.5208	41.37	-43.70	37.19	-60.40	-13.00	47.40	Vertical
2	12650.1042	37.76	-39.18	38.81	-57.87	-13.00	44.87	Vertical
3	7062.18	42.02	-46.04	35.75	-63.52	-13.00	50.52	Vertical
4	10593.27	36.91	-41.15	39.03	-60.47	-13.00	47.47	Vertical
5	14124.36	34.64	-38.60	40.80	-58.42	-13.00	45.42	Vertical
6	17655.45	33.83	-37.34	43.10	-55.68	-13.00	42.68	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	42590	100RB#0	VL	NT	-1.90	-0.000543	PASS
Band42	20MHz	QPSK	42590	100RB#0	VN	NT	2.30	0.000657	PASS
Band42	20MHz	QPSK	42590	100RB#0	VH	NT	-5.50	-0.001571	PASS

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band42	20MHz	QPSK	42590	100RB#0	NV	-30	-4.70	-0.001343	PASS
Band42	20MHz	QPSK	42590	100RB#0	NV	-20	-3.60	-0.001029	PASS
Band42	20MHz	QPSK	42590	100RB#0	NV	0	-1.70	-0.000486	PASS
Band42	20MHz	QPSK	42590	100RB#0	NV	10	-3.30	-0.000943	PASS
Band42	20MHz	QPSK	42590	100RB#0	NV	20	4.20	0.001200	PASS
Band42	20MHz	QPSK	42590	100RB#0	NV	30	-1.00	-0.000286	PASS
Band42	20MHz	QPSK	42590	100RB#0	NV	40	-2.10	-0.000600	PASS
Band42	20MHz	QPSK	42590	100RB#0	NV	50	-1.90	-0.000543	PASS

---End of Attachment---



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