

Report No.: SEWM2306000193RG01

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# Appendix B.10

## LTE Band 42(3450-3550)



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t (86-512) 62992980 sgs.china@sgs.com

## Effective (Isotropic) Radiated Power Output Data

### Test Result

#### Ant2:

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	EIRP (dBm)	Limit (dBm)	Verdict
Band42	5MHz	QPSK	42115	1RB#0	23.38	25.61	30	PASS
Band42	5MHz	QPSK	42115	1RB#12	23.44	25.67	30	PASS
Band42	5MHz	QPSK	42115	1RB#24	23.44	25.67	30	PASS
Band42	5MHz	QPSK	42115	25RB#0	22.47	24.7	30	PASS
Band42	5MHz	QPSK	42590	1RB#0	23.38	25.61	30	PASS
Band42	5MHz	QPSK	42590	1RB#12	23.44	25.67	30	PASS
Band42	5MHz	QPSK	42590	1RB#24	23.48	25.71	30	PASS
Band42	5MHz	QPSK	42590	25RB#0	22.36	24.59	30	PASS
Band42	5MHz	QPSK	43065	1RB#0	23.13	25.36	30	PASS
Band42	5MHz	QPSK	43065	1RB#12	23.16	25.39	30	PASS
Band42	5MHz	QPSK	43065	1RB#24	23.16	25.39	30	PASS
Band42	5MHz	QPSK	43065	25RB#0	22.18	24.41	30	PASS
Band42	5MHz	16QAM	42115	1RB#0	22.44	24.67	30	PASS
Band42	5MHz	16QAM	42115	1RB#12	22.42	24.65	30	PASS
Band42	5MHz	16QAM	42115	1RB#24	22.43	24.66	30	PASS
Band42	5MHz	16QAM	42115	25RB#0	21.46	23.69	30	PASS
Band42	5MHz	16QAM	42590	1RB#0	22.37	24.6	30	PASS
Band42	5MHz	16QAM	42590	1RB#12	22.41	24.64	30	PASS
Band42	5MHz	16QAM	42590	1RB#24	22.40	24.63	30	PASS
Band42	5MHz	16QAM	42590	25RB#0	21.37	23.6	30	PASS
Band42	5MHz	16QAM	43065	1RB#0	22.09	24.32	30	PASS
Band42	5MHz	16QAM	43065	1RB#12	22.15	24.38	30	PASS
Band42	5MHz	16QAM	43065	1RB#24	22.07	24.3	30	PASS
Band42	5MHz	16QAM	43065	25RB#0	21.19	23.42	30	PASS
Band42	5MHz	64QAM	42115	1RB#0	21.42	23.65	30	PASS
Band42	5MHz	64QAM	42115	1RB#12	21.46	23.69	30	PASS
Band42	5MHz	64QAM	42115	1RB#24	21.55	23.78	30	PASS



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Band42	5MHz	64QAM	42115	25RB#0	20.47	22.7	30	PASS
Band42	5MHz	64QAM	42590	1RB#0	21.50	23.73	30	PASS
Band42	5MHz	64QAM	42590	1RB#12	21.55	23.78	30	PASS
Band42	5MHz	64QAM	42590	1RB#24	21.49	23.72	30	PASS
Band42	5MHz	64QAM	42590	25RB#0	20.40	22.63	30	PASS
Band42	5MHz	64QAM	43065	1RB#0	21.22	23.45	30	PASS
Band42	5MHz	64QAM	43065	1RB#12	21.30	23.53	30	PASS
Band42	5MHz	64QAM	43065	1RB#24	21.19	23.42	30	PASS
Band42	5MHz	64QAM	43065	25RB#0	20.17	22.4	30	PASS
Band42	5MHz	256QAM	42115	1RB#0	18.33	20.56	30	PASS
Band42	5MHz	256QAM	42115	1RB#12	18.53	20.76	30	PASS
Band42	5MHz	256QAM	42115	1RB#24	18.43	20.66	30	PASS
Band42	5MHz	256QAM	42115	25RB#0	18.49	20.72	30	PASS
Band42	5MHz	256QAM	42590	1RB#0	18.36	20.59	30	PASS
Band42	5MHz	256QAM	42590	1RB#12	18.44	20.67	30	PASS
Band42	5MHz	256QAM	42590	1RB#24	18.35	20.58	30	PASS
Band42	5MHz	256QAM	42590	25RB#0	18.42	20.65	30	PASS
Band42	5MHz	256QAM	43065	1RB#0	18.12	20.35	30	PASS
Band42	5MHz	256QAM	43065	1RB#12	18.06	20.29	30	PASS
Band42	5MHz	256QAM	43065	1RB#24	18.11	20.34	30	PASS
Band42	5MHz	256QAM	43065	25RB#0	18.19	20.42	30	PASS
Band42	10MHz	QPSK	42140	1RB#0	23.34	25.57	30	PASS
Band42	10MHz	QPSK	42140	1RB#24	23.53	25.76	30	PASS
Band42	10MHz	QPSK	42140	1RB#49	23.51	25.74	30	PASS
Band42	10MHz	QPSK	42140	50RB#0	22.54	24.77	30	PASS
Band42	10MHz	QPSK	42590	1RB#0	23.38	25.61	30	PASS
Band42	10MHz	QPSK	42590	1RB#24	23.49	25.72	30	PASS
Band42	10MHz	QPSK	42590	1RB#49	23.57	25.8	30	PASS
Band42	10MHz	QPSK	42590	50RB#0	22.44	24.67	30	PASS
Band42	10MHz	QPSK	43040	1RB#0	23.19	25.42	30	PASS
Band42	10MHz	QPSK	43040	1RB#24	23.15	25.38	30	PASS
Band42	10MHz	QPSK	43040	1RB#49	23.22	25.45	30	PASS



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Band42	10MHz	QPSK	43040	50RB#0	22.21	24.44	30	PASS
Band42	10MHz	16QAM	42140	1RB#0	22.37	24.6	30	PASS
Band42	10MHz	16QAM	42140	1RB#24	22.44	24.67	30	PASS
Band42	10MHz	16QAM	42140	1RB#49	22.48	24.71	30	PASS
Band42	10MHz	16QAM	42140	50RB#0	21.51	23.74	30	PASS
Band42	10MHz	16QAM	42590	1RB#0	22.32	24.55	30	PASS
Band42	10MHz	16QAM	42590	1RB#24	22.48	24.71	30	PASS
Band42	10MHz	16QAM	42590	1RB#49	22.53	24.76	30	PASS
Band42	10MHz	16QAM	42590	50RB#0	21.45	23.68	30	PASS
Band42	10MHz	16QAM	43040	1RB#0	22.16	24.39	30	PASS
Band42	10MHz	16QAM	43040	1RB#24	22.02	24.25	30	PASS
Band42	10MHz	16QAM	43040	1RB#49	22.11	24.34	30	PASS
Band42	10MHz	16QAM	43040	50RB#0	21.21	23.44	30	PASS
Band42	10MHz	64QAM	42140	1RB#0	21.43	23.66	30	PASS
Band42	10MHz	64QAM	42140	1RB#24	21.59	23.82	30	PASS
Band42	10MHz	64QAM	42140	1RB#49	21.61	23.84	30	PASS
Band42	10MHz	64QAM	42140	50RB#0	20.49	22.72	30	PASS
Band42	10MHz	64QAM	42590	1RB#0	21.46	23.69	30	PASS
Band42	10MHz	64QAM	42590	1RB#24	21.61	23.84	30	PASS
Band42	10MHz	64QAM	42590	1RB#49	21.67	23.9	30	PASS
Band42	10MHz	64QAM	42590	50RB#0	20.45	22.68	30	PASS
Band42	10MHz	64QAM	43040	1RB#0	21.23	23.46	30	PASS
Band42	10MHz	64QAM	43040	1RB#24	21.19	23.42	30	PASS
Band42	10MHz	64QAM	43040	1RB#49	21.22	23.45	30	PASS
Band42	10MHz	64QAM	43040	50RB#0	20.23	22.46	30	PASS
Band42	10MHz	256QAM	42140	1RB#0	18.27	20.5	30	PASS
Band42	10MHz	256QAM	42140	1RB#24	18.52	20.75	30	PASS
Band42	10MHz	256QAM	42140	1RB#49	18.49	20.72	30	PASS
Band42	10MHz	256QAM	42140	50RB#0	18.55	20.78	30	PASS
Band42	10MHz	256QAM	42590	1RB#0	18.29	20.52	30	PASS
Band42	10MHz	256QAM	42590	1RB#24	18.53	20.76	30	PASS
Band42	10MHz	256QAM	42590	1RB#49	18.56	20.79	30	PASS



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Band42	10MHz	256QAM	42590	50RB#0	18.47	20.7	30	PASS
Band42	10MHz	256QAM	43040	1RB#0	18.20	20.43	30	PASS
Band42	10MHz	256QAM	43040	1RB#24	18.07	20.3	30	PASS
Band42	10MHz	256QAM	43040	1RB#49	18.17	20.4	30	PASS
Band42	10MHz	256QAM	43040	50RB#0	18.21	20.44	30	PASS
Band42	15MHz	QPSK	42165	1RB#0	23.20	25.43	30	PASS
Band42	15MHz	QPSK	42165	1RB#38	23.31	25.54	30	PASS
Band42	15MHz	QPSK	42165	1RB#74	23.23	25.46	30	PASS
Band42	15MHz	QPSK	42165	75RB#0	22.39	24.62	30	PASS
Band42	15MHz	QPSK	42590	1RB#0	23.20	25.43	30	PASS
Band42	15MHz	QPSK	42590	1RB#38	23.24	25.47	30	PASS
Band42	15MHz	QPSK	42590	1RB#74	23.37	25.6	30	PASS
Band42	15MHz	QPSK	42590	75RB#0	22.33	24.56	30	PASS
Band42	15MHz	QPSK	43015	1RB#0	23.23	25.46	30	PASS
Band42	15MHz	QPSK	43015	1RB#38	23.02	25.25	30	PASS
Band42	15MHz	QPSK	43015	1RB#74	22.97	25.2	30	PASS
Band42	15MHz	QPSK	43015	75RB#0	22.17	24.4	30	PASS
Band42	15MHz	16QAM	42165	1RB#0	22.13	24.36	30	PASS
Band42	15MHz	16QAM	42165	1RB#38	22.25	24.48	30	PASS
Band42	15MHz	16QAM	42165	1RB#74	22.29	24.52	30	PASS
Band42	15MHz	16QAM	42165	75RB#0	21.39	23.62	30	PASS
Band42	15MHz	16QAM	42590	1RB#0	22.14	24.37	30	PASS
Band42	15MHz	16QAM	42590	1RB#38	22.29	24.52	30	PASS
Band42	15MHz	16QAM	42590	1RB#74	22.36	24.59	30	PASS
Band42	15MHz	16QAM	42590	75RB#0	21.33	23.56	30	PASS
Band42	15MHz	16QAM	43015	1RB#0	22.24	24.47	30	PASS
Band42	15MHz	16QAM	43015	1RB#38	21.96	24.19	30	PASS
Band42	15MHz	16QAM	43015	1RB#74	21.92	24.15	30	PASS
Band42	15MHz	16QAM	43015	75RB#0	21.14	23.37	30	PASS
Band42	15MHz	64QAM	42165	1RB#0	21.24	23.47	30	PASS
Band42	15MHz	64QAM	42165	1RB#38	21.33	23.56	30	PASS
Band42	15MHz	64QAM	42165	1RB#74	21.35	23.58	30	PASS



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Band42	15MHz	64QAM	42165	75RB#0	20.40	22.63	30	PASS
Band42	15MHz	64QAM	42590	1RB#0	21.27	23.5	30	PASS
Band42	15MHz	64QAM	42590	1RB#38	21.41	23.64	30	PASS
Band42	15MHz	64QAM	42590	1RB#74	21.53	23.76	30	PASS
Band42	15MHz	64QAM	42590	75RB#0	20.31	22.54	30	PASS
Band42	15MHz	64QAM	43015	1RB#0	21.23	23.46	30	PASS
Band42	15MHz	64QAM	43015	1RB#38	21.06	23.29	30	PASS
Band42	15MHz	64QAM	43015	1RB#74	21.12	23.35	30	PASS
Band42	15MHz	64QAM	43015	75RB#0	20.15	22.38	30	PASS
Band42	15MHz	256QAM	42165	1RB#0	18.13	20.36	30	PASS
Band42	15MHz	256QAM	42165	1RB#38	18.40	20.63	30	PASS
Band42	15MHz	256QAM	42165	1RB#74	18.32	20.55	30	PASS
Band42	15MHz	256QAM	42165	75RB#0	18.41	20.64	30	PASS
Band42	15MHz	256QAM	42590	1RB#0	18.19	20.42	30	PASS
Band42	15MHz	256QAM	42590	1RB#38	18.39	20.62	30	PASS
Band42	15MHz	256QAM	42590	1RB#74	18.32	20.55	30	PASS
Band42	15MHz	256QAM	42590	75RB#0	18.32	20.55	30	PASS
Band42	15MHz	256QAM	43015	1RB#0	18.14	20.37	30	PASS
Band42	15MHz	256QAM	43015	1RB#38	17.93	20.16	30	PASS
Band42	15MHz	256QAM	43015	1RB#74	18.12	20.35	30	PASS
Band42	15MHz	256QAM	43015	75RB#0	18.18	20.41	30	PASS
Band42	20MHz	QPSK	42190	1RB#0	23.29	25.52	30	PASS
Band42	20MHz	QPSK	42190	1RB#49	23.30	25.53	30	PASS
Band42	20MHz	QPSK	42190	1RB#99	23.21	25.44	30	PASS
Band42	20MHz	QPSK	42190	100RB#0	22.38	24.61	30	PASS
Band42	20MHz	QPSK	42590	1RB#0	23.28	25.51	30	PASS
Band42	20MHz	QPSK	42590	1RB#49	23.29	25.52	30	PASS
Band42	20MHz	QPSK	42590	1RB#99	23.43	25.66	30	PASS
Band42	20MHz	QPSK	42590	100RB#0	22.35	24.58	30	PASS
Band42	20MHz	QPSK	42990	1RB#0	23.23	25.46	30	PASS
Band42	20MHz	QPSK	42990	1RB#49	23.07	25.3	30	PASS
Band42	20MHz	QPSK	42990	1RB#99	23.02	25.25	30	PASS



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Band42	20MHz	16QAM	42190	1RB#0	22.18	24.41	30	PASS
Band42	20MHz	16QAM	42190	1RB#49	22.61	24.84	30	PASS
Band42	20MHz	16QAM	42190	1RB#99	22.10	24.33	30	PASS
Band42	20MHz	16QAM	42190	100RB#0	21.41	23.64	30	PASS
Band42	20MHz	16QAM	42590	1RB#0	22.24	24.47	30	PASS
Band42	20MHz	16QAM	42590	1RB#49	22.24	24.47	30	PASS
Band42	20MHz	16QAM	42590	1RB#99	22.27	24.5	30	PASS
Band42	20MHz	16QAM	42590	100RB#0	21.34	23.57	30	PASS
Band42	20MHz	16QAM	42990	1RB#0	22.18	24.41	30	PASS
Band42	20MHz	16QAM	42990	1RB#49	22.07	24.3	30	PASS
Band42	20MHz	16QAM	42990	1RB#99	21.95	24.18	30	PASS
Band42	20MHz	16QAM	42990	100RB#0	21.24	23.47	30	PASS
Band42	20MHz	64QAM	42190	1RB#0	21.37	23.6	30	PASS
Band42	20MHz	64QAM	42190	1RB#49	21.40	23.63	30	PASS
Band42	20MHz	64QAM	42190	1RB#99	21.26	23.49	30	PASS
Band42	20MHz	64QAM	42190	100RB#0	20.41	22.64	30	PASS
Band42	20MHz	64QAM	42590	1RB#0	21.28	23.51	30	PASS
Band42	20MHz	64QAM	42590	1RB#49	21.35	23.58	30	PASS
Band42	20MHz	64QAM	42590	1RB#99	21.44	23.67	30	PASS
Band42	20MHz	64QAM	42590	100RB#0	20.38	22.61	30	PASS
Band42	20MHz	64QAM	42990	1RB#0	21.42	23.65	30	PASS
Band42	20MHz	64QAM	42990	1RB#49	21.21	23.44	30	PASS
Band42	20MHz	64QAM	42990	1RB#99	21.05	23.28	30	PASS
Band42	20MHz	64QAM	42990	100RB#0	20.23	22.46	30	PASS
Band42	20MHz	256QAM	42190	1RB#0	18.25	20.48	30	PASS
Band42	20MHz	256QAM	42190	1RB#49	18.33	20.56	30	PASS
Band42	20MHz	256QAM	42190	1RB#99	18.32	20.55	30	PASS
Band42	20MHz	256QAM	42190	100RB#0	18.40	20.63	30	PASS
Band42	20MHz	256QAM	42590	1RB#0	18.25	20.48	30	PASS
Band42	20MHz	256QAM	42590	1RB#49	18.29	20.52	30	PASS
Band42	20MHz	256QAM	42590	1RB#99	18.27	20.5	30	PASS



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Band42	20MHz	256QAM	42590	100RB#0	18.34	20.57	30	PASS
Band42	20MHz	256QAM	42990	1RB#0	18.32	20.55	30	PASS
Band42	20MHz	256QAM	42990	1RB#49	18.11	20.34	30	PASS
Band42	20MHz	256QAM	42990	1RB#99	18.04	20.27	30	PASS
Band42	20MHz	256QAM	42990	100RB#0	18.24	20.47	30	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	7.50	13	PASS
Band42	20MHz	QPSK	42590	100RB#0	7.26	13	PASS
Band42	20MHz	QPSK	42990	100RB#0	7.42	13	PASS
Band42	20MHz	16QAM	42190	100RB#0	8.16	13	PASS
Band42	20MHz	16QAM	42590	100RB#0	8.02	13	PASS
Band42	20MHz	16QAM	42990	100RB#0	8.04	13	PASS
Band42	20MHz	64QAM	42190	100RB#0	8.46	13	PASS
Band42	20MHz	64QAM	42590	100RB#0	8.52	13	PASS
Band42	20MHz	64QAM	42990	100RB#0	8.48	13	PASS
Band42	20MHz	256QAM	42190	100RB#0	8.68	13	PASS
Band42	20MHz	256QAM	42590	100RB#0	8.50	13	PASS
Band42	20MHz	256QAM	42990	100RB#0	8.68	13	PASS



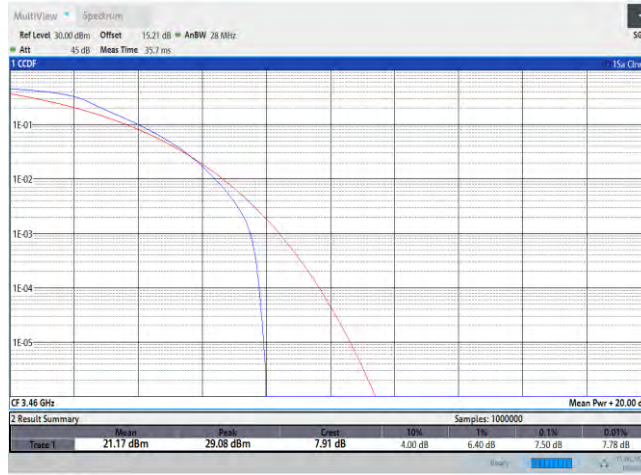
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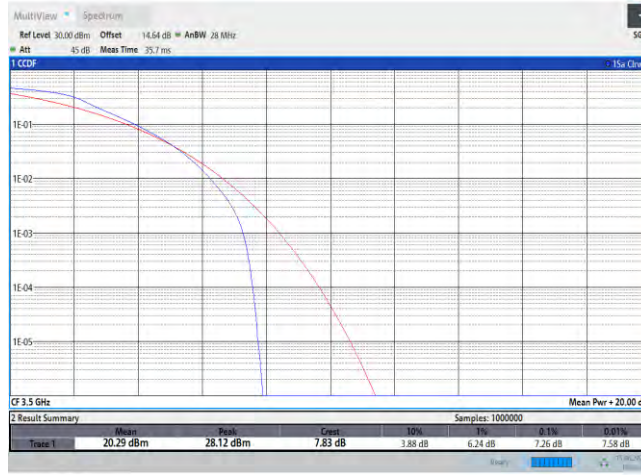
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Test Graphs

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



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

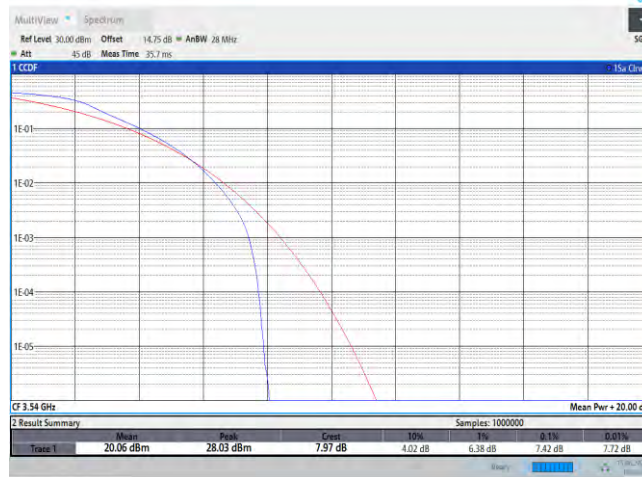


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Band42-20MHz-QPSK-42990-100RB#0



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

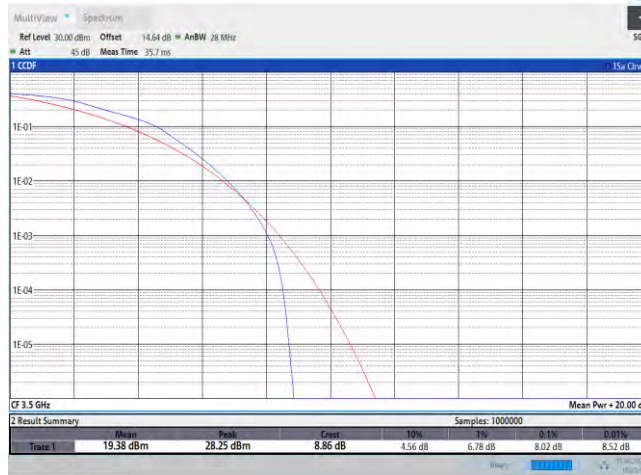


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Band42-20MHz-16QAM-42590-100RB#0



16:21:47 15.06.2023

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



16:23:16 15.06.2023



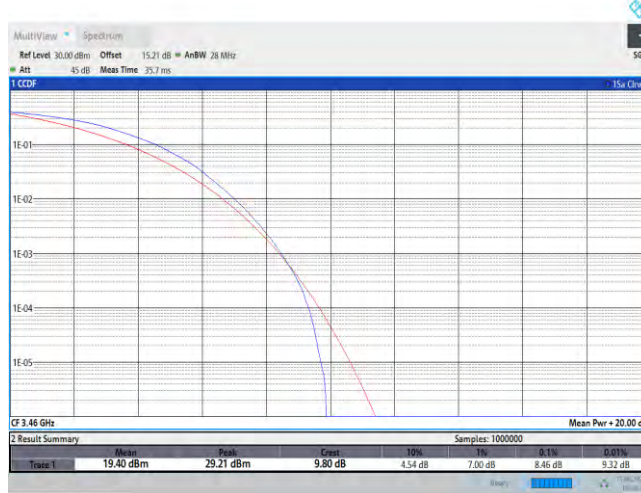
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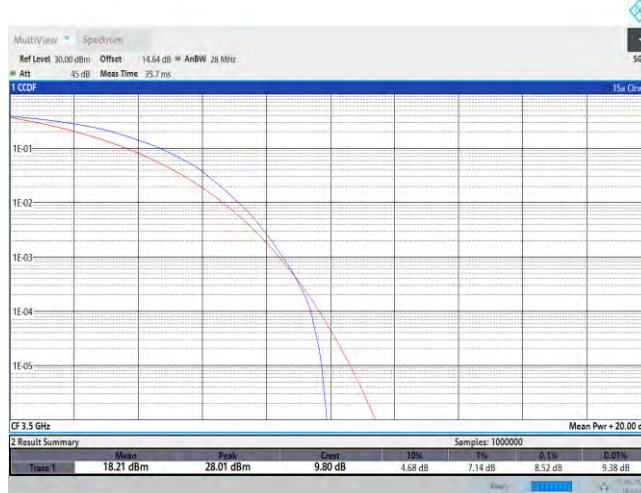
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Band42-20MHz-64QAM-42190-100RB#0



16:20:34 15.06.2023

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



16:22:04 15.06.2023



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



16:23:33 15.06.2023

Band42-20MHz-256QAM-42190-100RB#0



16:20:51 15.06.2023

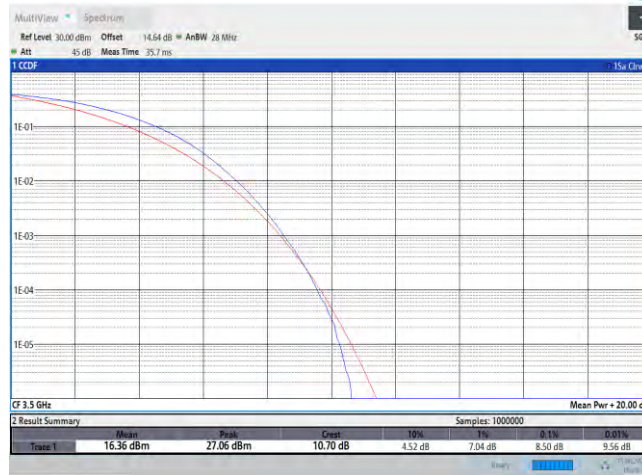


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Band42-20MHz-256QAM-42590-100RB#0



16:22:20 15.06.2023

Band42-20MHz-256QAM-42990-100RB#0



16:23:50 15.06.2023



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Report No.: SEWM2306000193RG01

Rev.: 01

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## Modulation Characteristics

### Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result	Verdict
Band42	20MHz	QPSK	42590	100RB#0	PASS	PASS
Band42	20MHz	16QAM	42590	100RB#0	PASS	PASS
Band42	20MHz	64QAM	42590	100RB#0	PASS	PASS
Band42	20MHz	256QAM	42590	100RB#0	PASS	PASS



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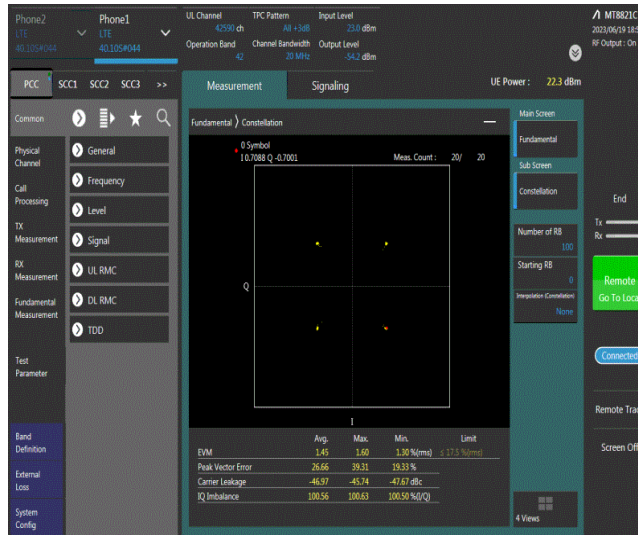
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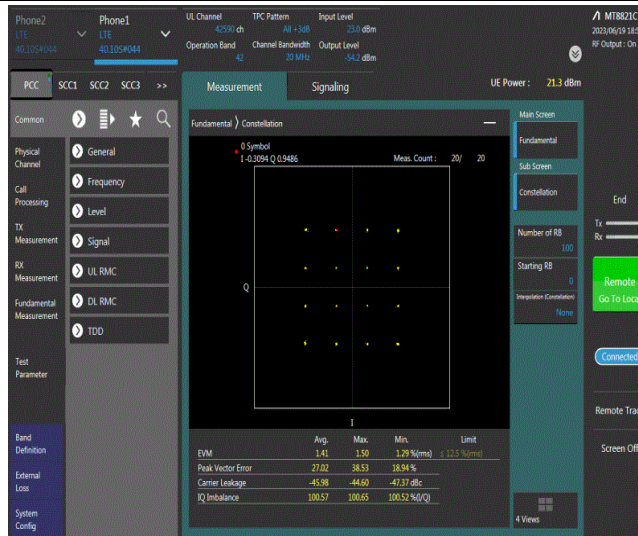


Test Graphs

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



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

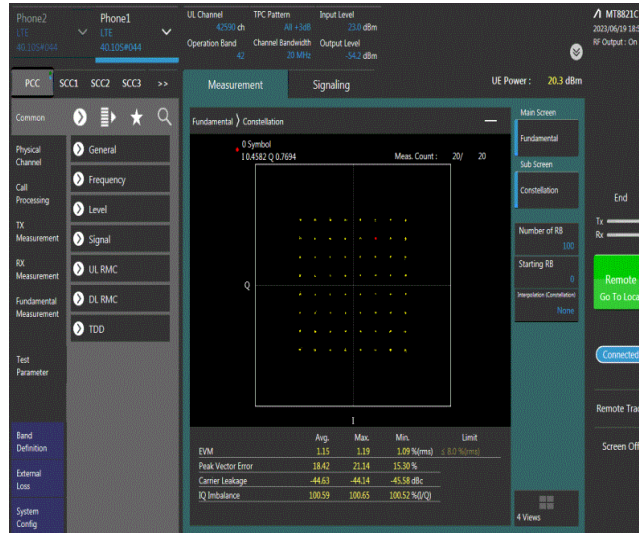


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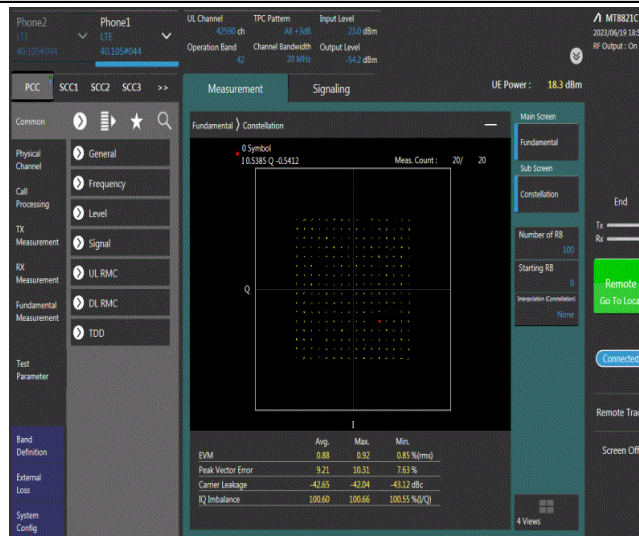
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Band42-20MHz-64QAM-42590-100RB#0



Band42-20MHz-256QAM-42590-100RB#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	42115	25RB#0	4.481	5.07	PASS
Band42	5MHz	QPSK	42590	25RB#0	4.477	4.99	PASS
Band42	5MHz	QPSK	43065	25RB#0	4.483	4.97	PASS
Band42	5MHz	16QAM	42115	25RB#0	4.482	5.09	PASS
Band42	5MHz	16QAM	42590	25RB#0	4.478	5.03	PASS
Band42	5MHz	16QAM	43065	25RB#0	4.483	5.02	PASS
Band42	5MHz	64QAM	42115	25RB#0	4.475	5.04	PASS
Band42	5MHz	64QAM	42590	25RB#0	4.477	5.05	PASS
Band42	5MHz	64QAM	43065	25RB#0	4.477	4.97	PASS
Band42	5MHz	256QAM	42115	25RB#0	4.476	5.02	PASS
Band42	5MHz	256QAM	42590	25RB#0	4.477	5.05	PASS
Band42	5MHz	256QAM	43065	25RB#0	4.474	5.00	PASS
Band42	10MHz	QPSK	42140	50RB#0	8.954	10.00	PASS
Band42	10MHz	QPSK	42590	50RB#0	8.957	9.93	PASS
Band42	10MHz	QPSK	43040	50RB#0	8.966	9.97	PASS
Band42	10MHz	16QAM	42140	50RB#0	8.958	9.97	PASS
Band42	10MHz	16QAM	42590	50RB#0	8.956	9.93	PASS
Band42	10MHz	16QAM	43040	50RB#0	8.944	9.90	PASS
Band42	10MHz	64QAM	42140	50RB#0	8.948	9.87	PASS
Band42	10MHz	64QAM	42590	50RB#0	8.953	9.90	PASS
Band42	10MHz	64QAM	43040	50RB#0	8.95	9.90	PASS
Band42	10MHz	256QAM	42140	50RB#0	8.947	9.90	PASS
Band42	10MHz	256QAM	42590	50RB#0	8.962	9.93	PASS
Band42	10MHz	256QAM	43040	50RB#0	8.95	9.83	PASS
Band42	15MHz	QPSK	42165	75RB#0	13.508	15.10	PASS
Band42	15MHz	QPSK	42590	75RB#0	13.506	15.10	PASS
Band42	15MHz	QPSK	43015	75RB#0	13.492	15.20	PASS
Band42	15MHz	16QAM	42165	75RB#0	13.499	15.15	PASS
Band42	15MHz	16QAM	42590	75RB#0	13.507	14.95	PASS
Band42	15MHz	16QAM	43015	75RB#0	13.503	15.10	PASS
Band42	15MHz	64QAM	42165	75RB#0	13.518	15.05	PASS



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Band42	15MHz	64QAM	42590	75RB#0	13.497	15.05	PASS
Band42	15MHz	64QAM	43015	75RB#0	13.507	15.10	PASS
Band42	15MHz	256QAM	42165	75RB#0	13.488	15.05	PASS
Band42	15MHz	256QAM	42590	75RB#0	13.5	15.10	PASS
Band42	15MHz	256QAM	43015	75RB#0	13.496	15.05	PASS
Band42	20MHz	QPSK	42190	100RB#0	17.918	19.80	PASS
Band42	20MHz	QPSK	42590	100RB#0	17.956	19.73	PASS
Band42	20MHz	QPSK	42990	100RB#0	17.938	19.93	PASS
Band42	20MHz	16QAM	42190	100RB#0	17.919	19.80	PASS
Band42	20MHz	16QAM	42590	100RB#0	17.943	19.93	PASS
Band42	20MHz	16QAM	42990	100RB#0	17.955	19.73	PASS
Band42	20MHz	64QAM	42190	100RB#0	17.894	19.73	PASS
Band42	20MHz	64QAM	42590	100RB#0	17.896	19.73	PASS
Band42	20MHz	64QAM	42990	100RB#0	17.929	19.73	PASS
Band42	20MHz	256QAM	42190	100RB#0	17.925	19.80	PASS
Band42	20MHz	256QAM	42590	100RB#0	17.917	19.87	PASS
Band42	20MHz	256QAM	42990	100RB#0	17.962	20.07	PASS



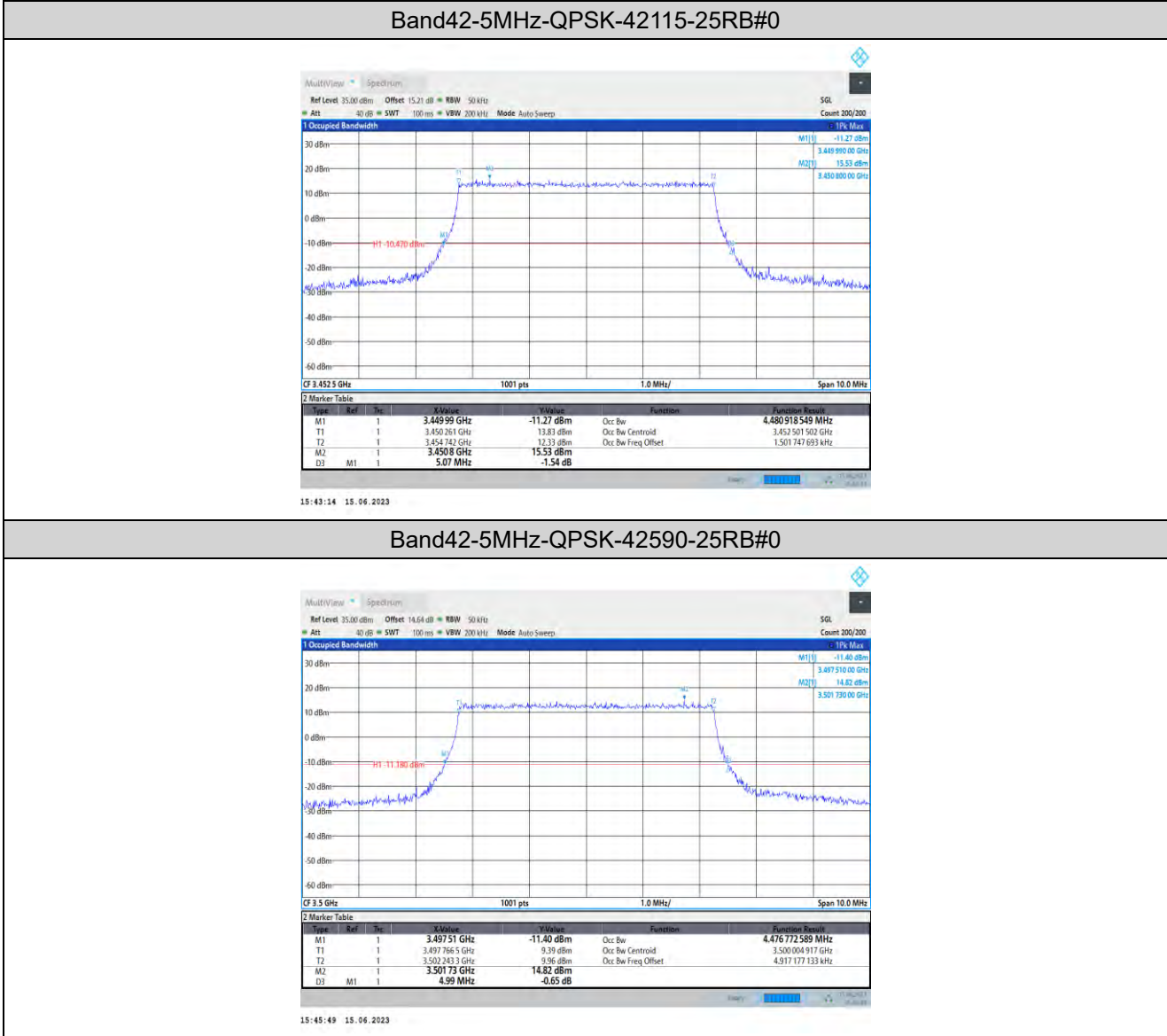
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Test Graphs

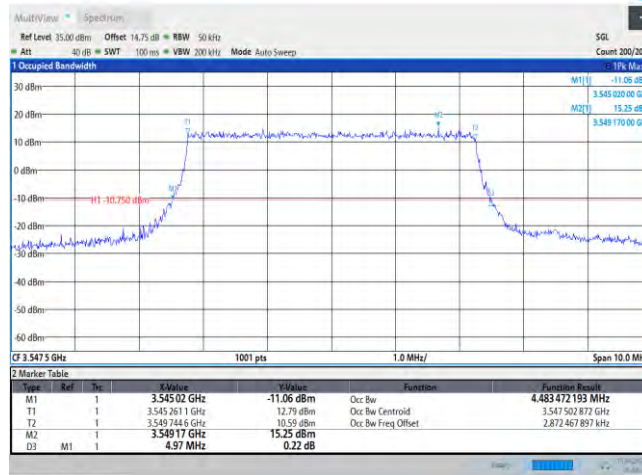


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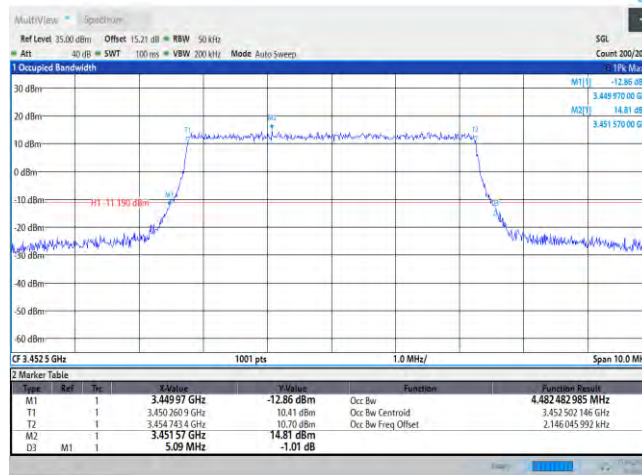
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Band42-5MHz-QPSK-43065-25RB#0



15:48:25 15.06.2023

Band42-5MHz-16QAM-42115-25RB#0



15:43:47 15.06.2023

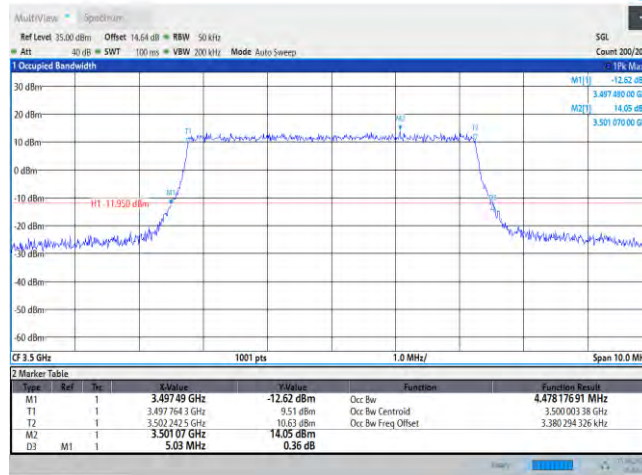


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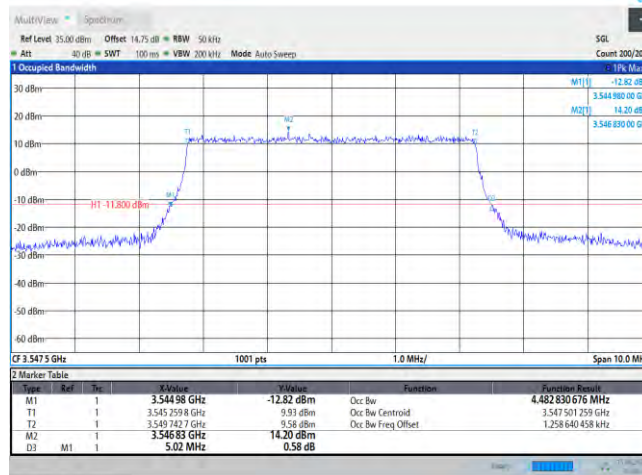
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Band42-5MHz-16QAM-42590-25RB#0



15:46:22 15.06.2023

Band42-5MHz-16QAM-43065-25RB#0



15:48:58 15.06.2023

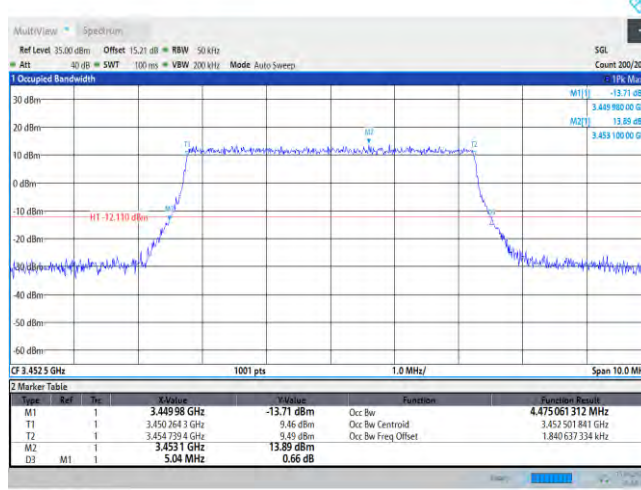


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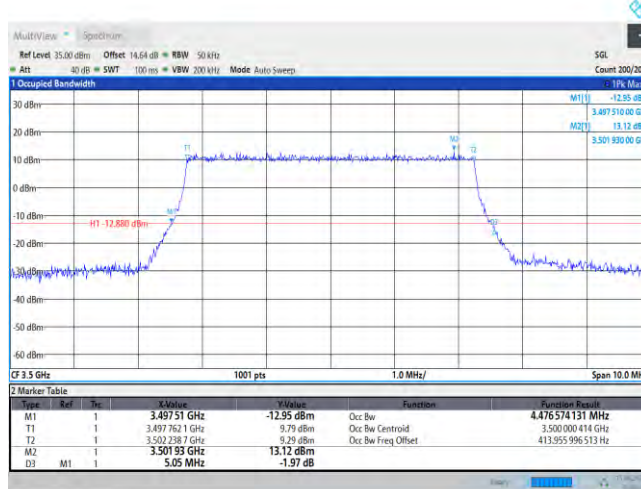
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Band42-5MHz-64QAM-42115-25RB#0



15:44:20 15. 06. 2023

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



15:46:56 15. 06. 2023

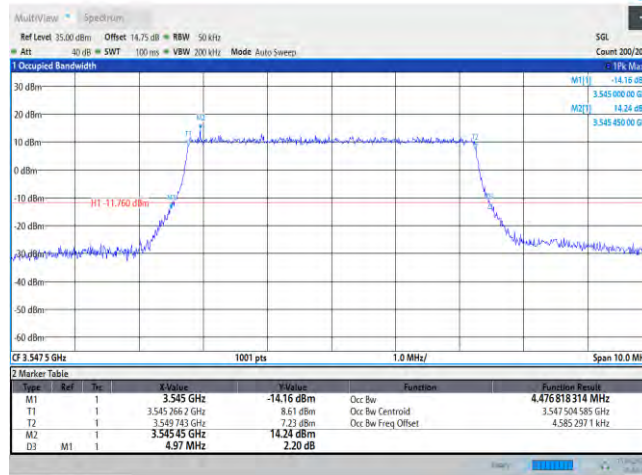


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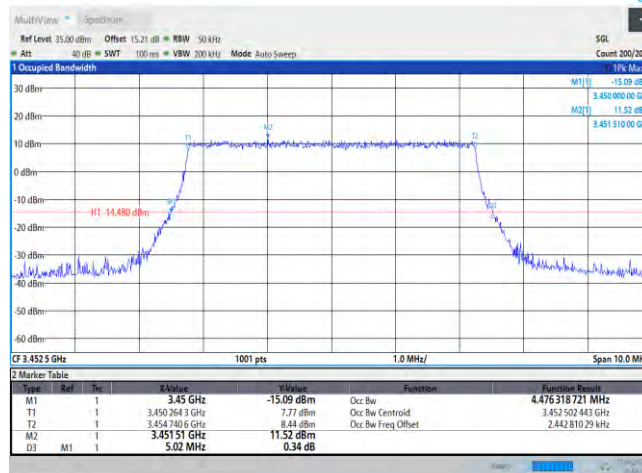


Band42-5MHz-64QAM-43065-25RB#0



15:49:32 15.06.2023

Band42-5MHz-256QAM-42115-25RB#0



15:44:53 15.06.2023



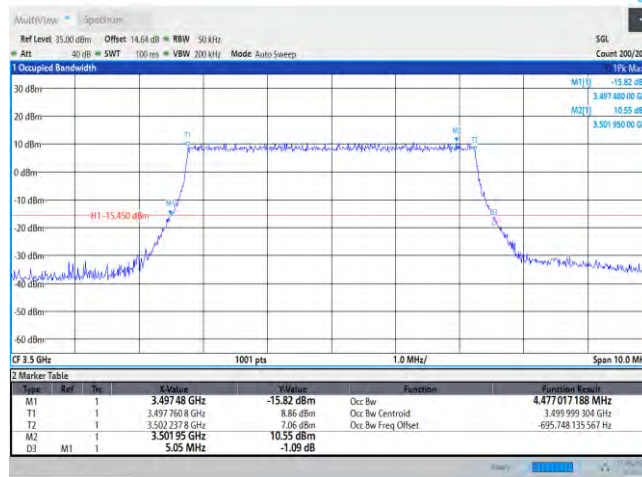
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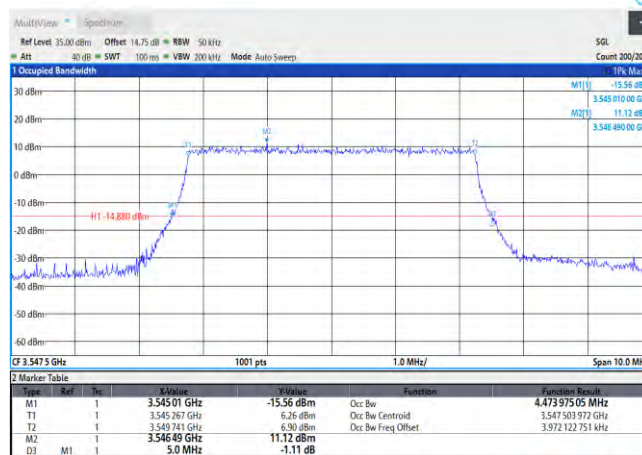
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Band42-5MHz-256QAM-42590-25RB#0



15:47:29 15.06.2023

Band42-5MHz-256QAM-43065-25RB#0



15:50:05 15.06.2023



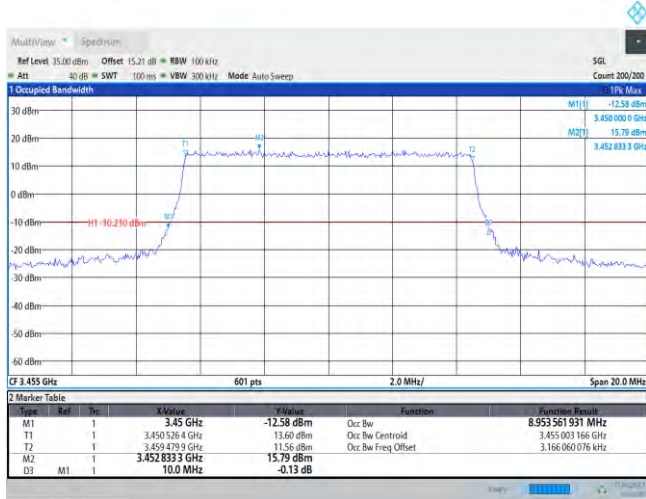
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Band42-10MHz-QPSK-42140-50RB#0



15:51:00 15.06.2023

Band42-10MHz-QPSK-42590-50RB#0



15:53:36 15.06.2023



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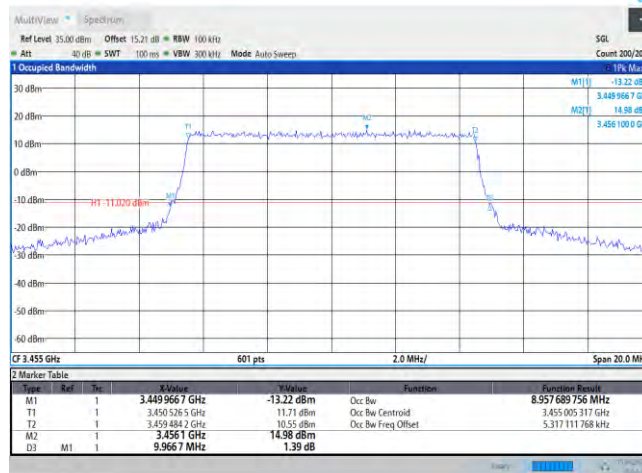
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Band42-10MHz-QPSK-43040-50RB#0



15:56:12 15.06.2023

Band42-10MHz-16QAM-42140-50RB#0



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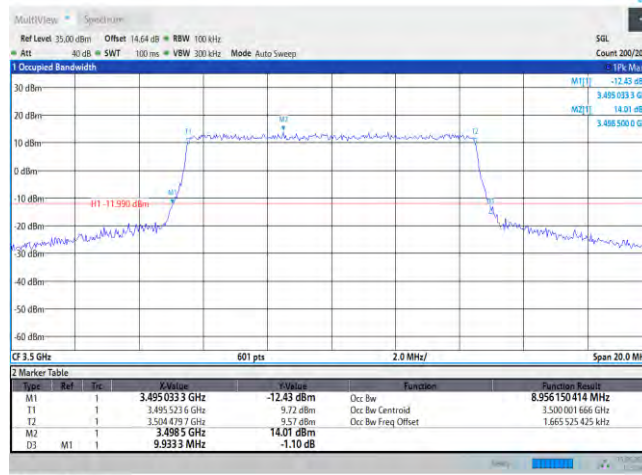


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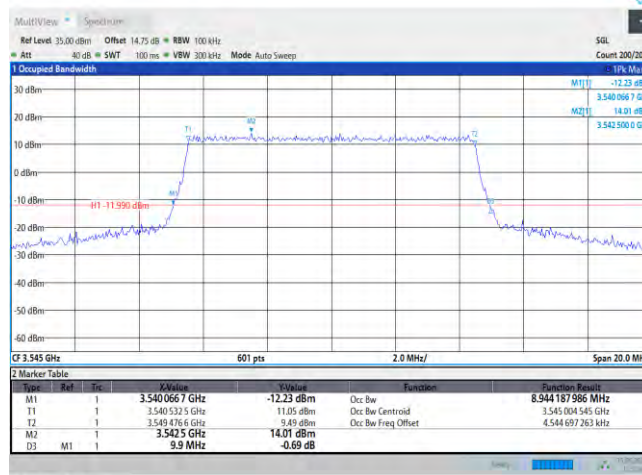
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Band42-10MHz-16QAM-42590-50RB#0



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Band42-10MHz-16QAM-43040-50RB#0



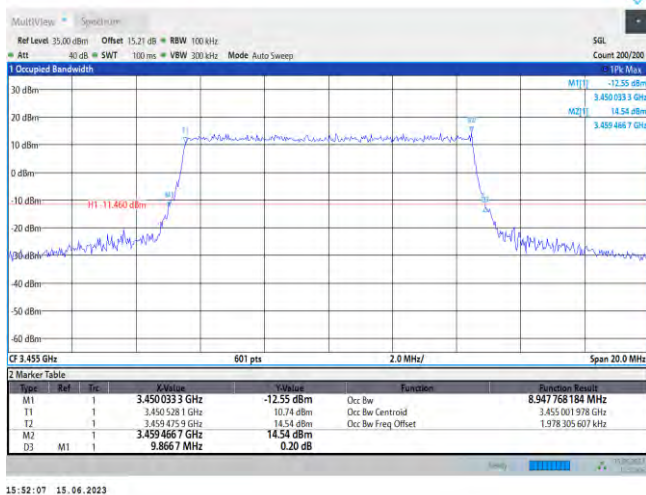
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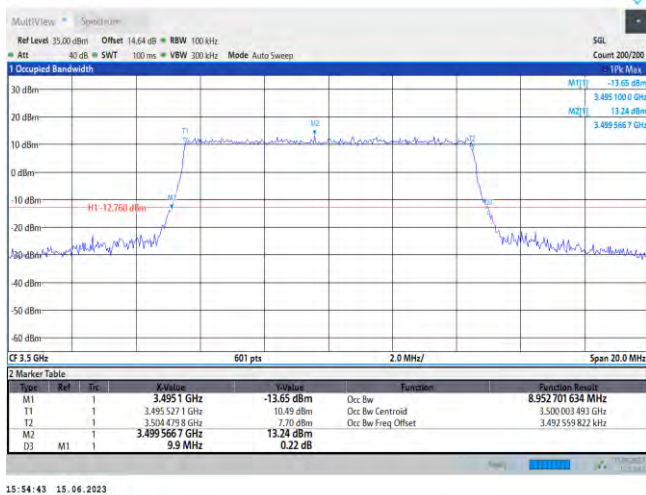
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Band42-10MHz-64QAM-42140-50RB#0



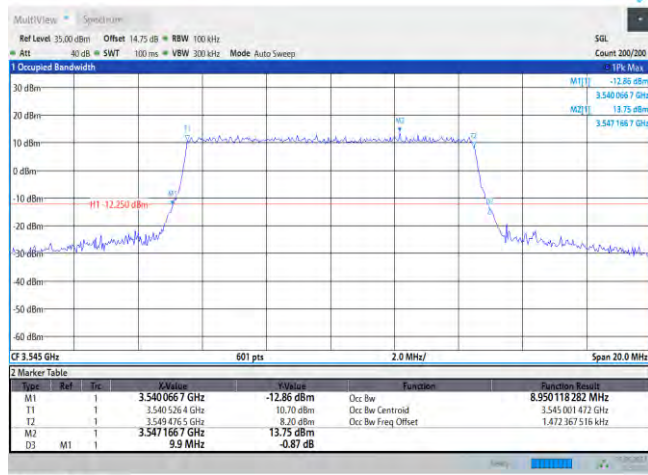
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Band42-10MHz-64QAM-43040-50RB#0



15:57:19 15.06.2023

Band42-10MHz-256QAM-42140-50RB#0



15:52:40 15.06.2023



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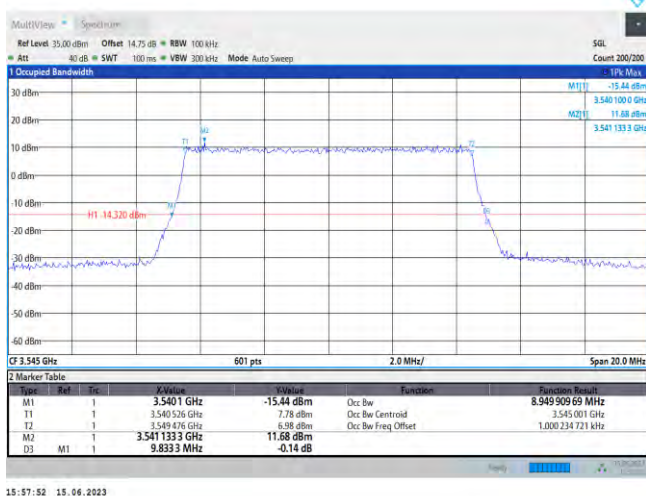
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Band42-10MHz-256QAM-42590-50RB#0



15:55:16 15.06.2023

Band42-10MHz-256QAM-43040-50RB#0



15:57:52 15.06.2023



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



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



16:01:27 15.06.2023

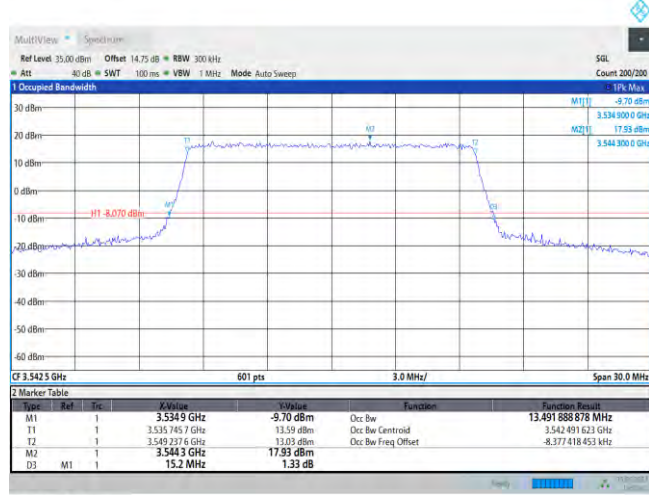


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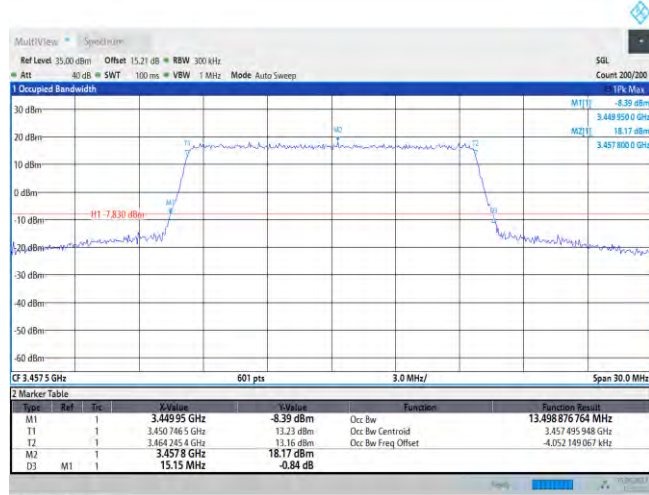
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Band42-15MHz-QPSK-43015-75RB#0



16:04:03 15.06.2023

Band42-15MHz-16QAM-42165-75RB#0



15:59:22 15.06.2023



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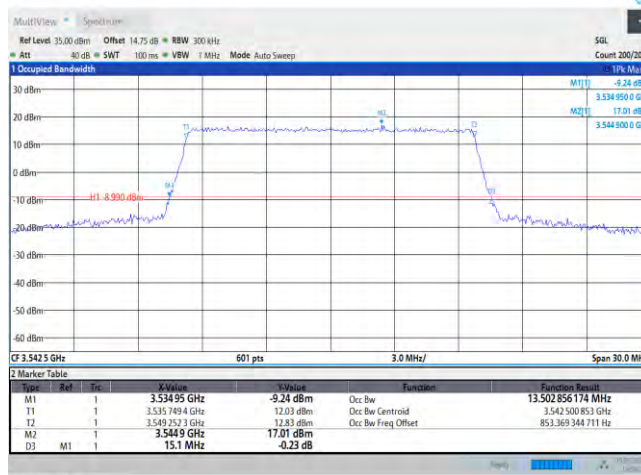
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Band42-15MHz-16QAM-42590-75RB#0



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Band42-15MHz-16QAM-43015-75RB#0



16:04:37 15.06.2023

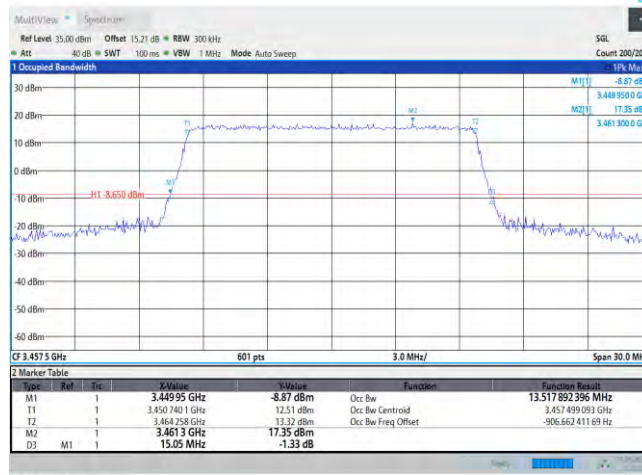


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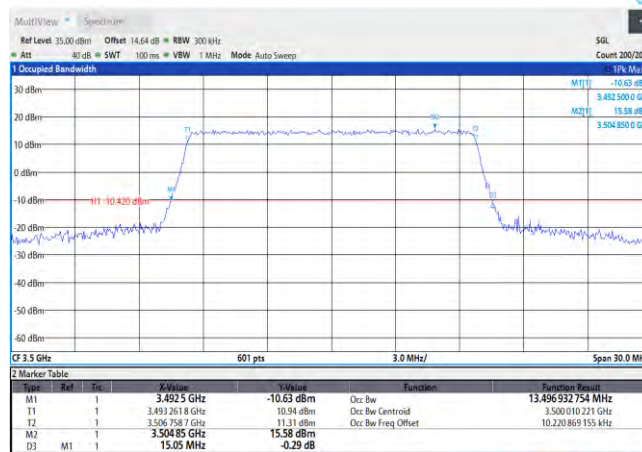
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Band42-15MHz-64QAM-42165-75RB#0



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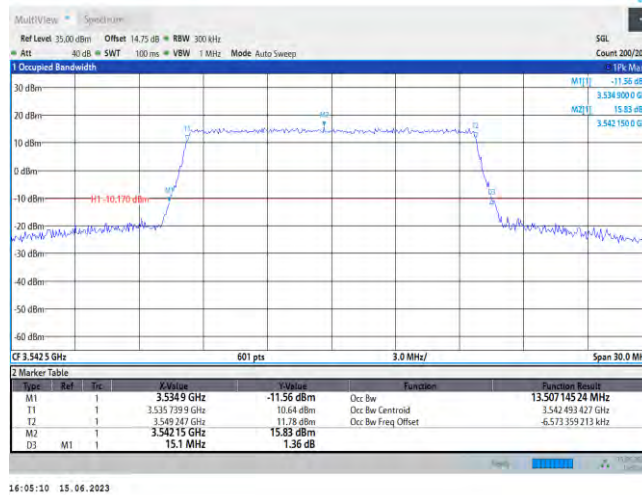


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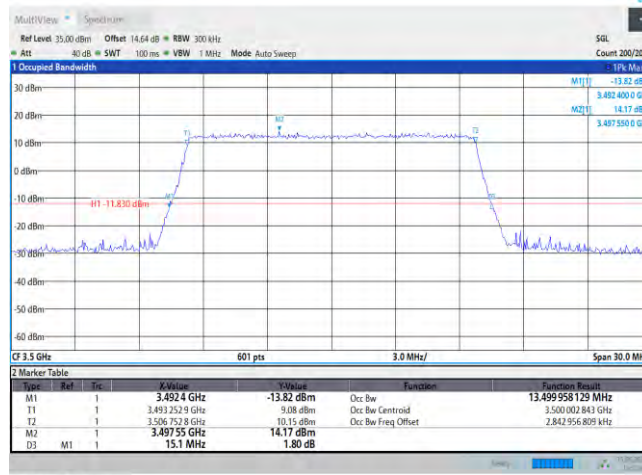
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Band42-15MHz-256QAM-42590-75RB#0



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Band42-15MHz-256QAM-43015-75RB#0



16:05:43 15.06.2023

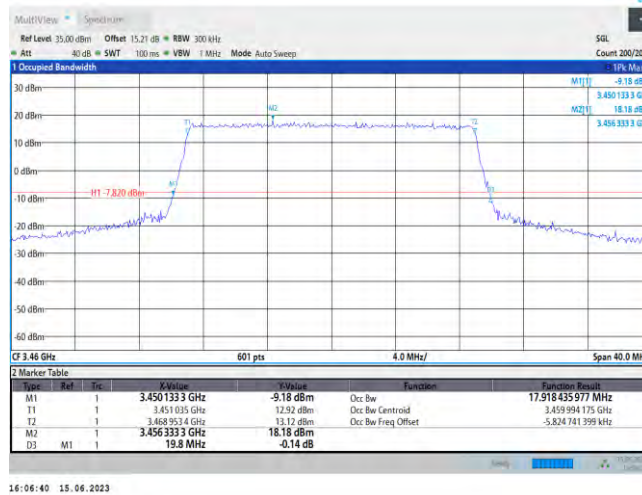


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Band42-20MHz-QPSK-42190-100RB#0



16:06:40 15.06.2023

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



16:09:14 15.06.2023



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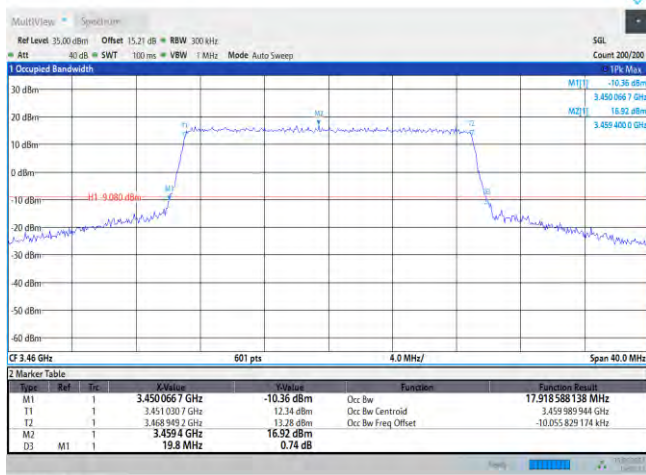
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Band42-20MHz-QPSK-42990-100RB#0



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



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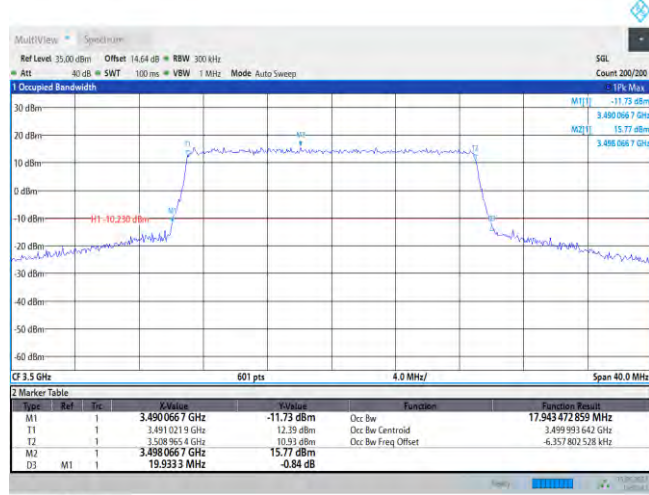
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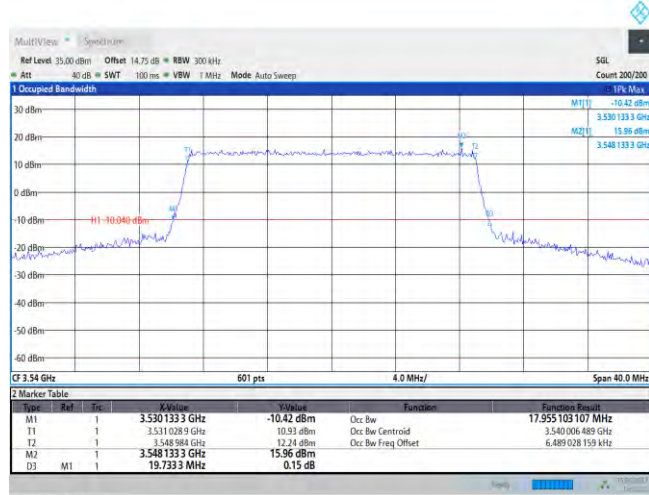


Band42-20MHz-16QAM-42590-100RB#0



16:09:48 15.06.2023

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



16:12:24 15.06.2023



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



16:07:47 15.06.2023

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



16:10:21 15.06.2023



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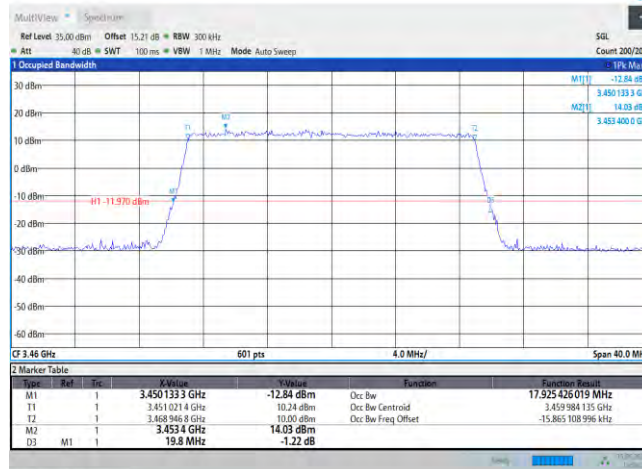
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Band42-20MHz-64QAM-42990-100RB#0



16:12:57 15.06.2023

Band42-20MHz-256QAM-42190-100RB#0



16:08:20 15.06.2023



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Band42-20MHz-256QAM-42590-100RB#0



16:10:54 15.06.2023

Band42-20MHz-256QAM-42990-100RB#0



16:13:31 15.06.2023



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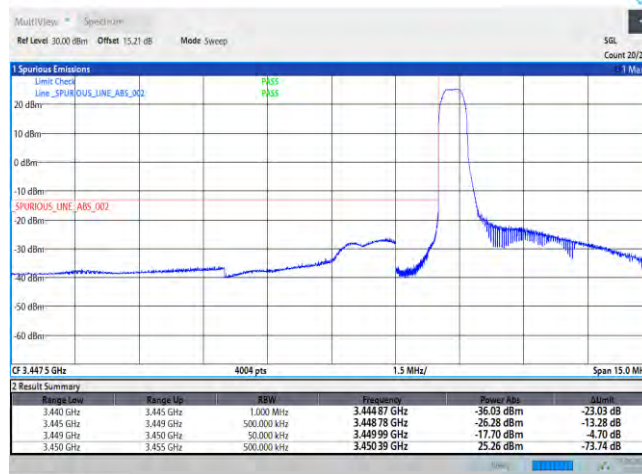
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## Band Edge

## Test Graphs

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



14:31:33 16.06.2023

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



14:32:28 16.06.2023



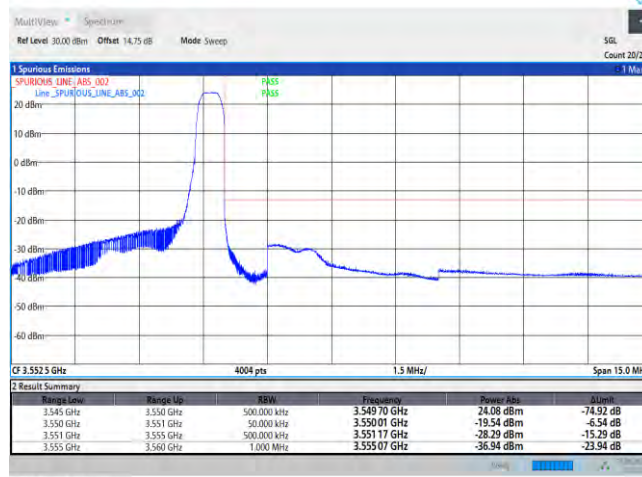
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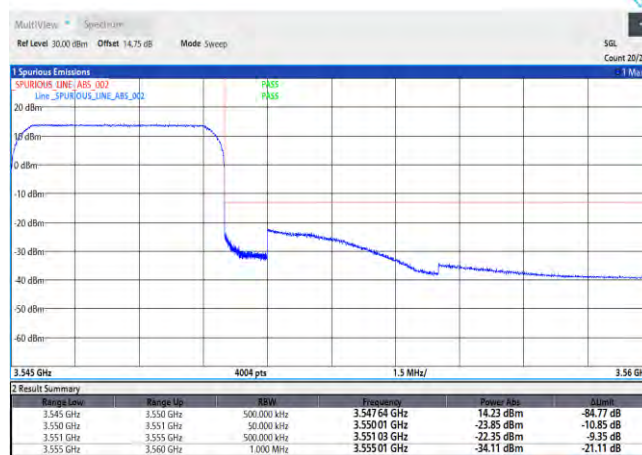
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Band42-5MHz-QPSK-43065-1RB#24



14:33:51 16.06.2023

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



14:34:46 16.06.2023

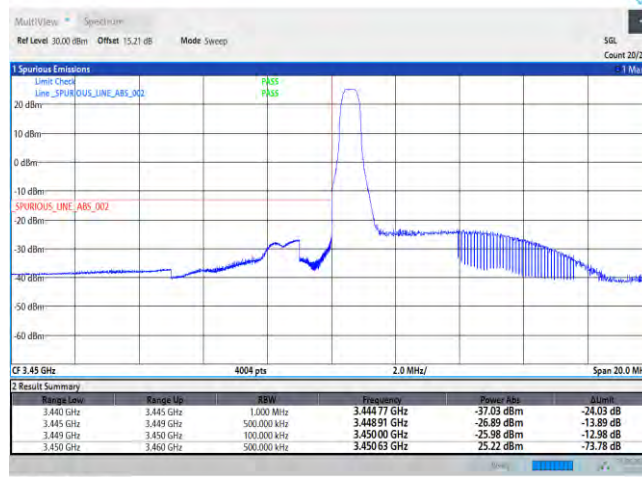


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Band42-10MHz-QPSK-42140-1RB#0



14:37:13 16.06.2023

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



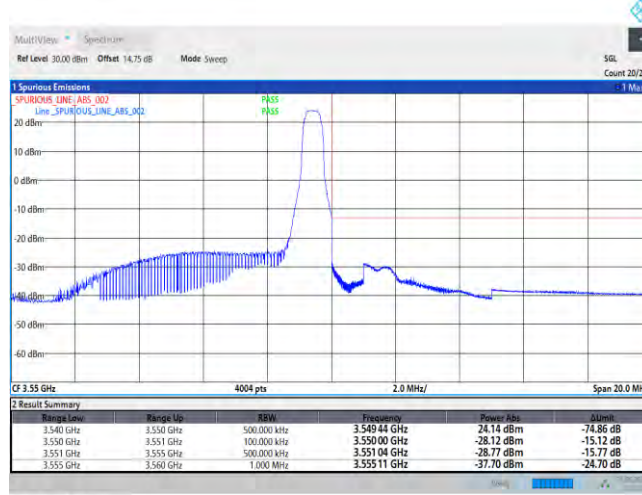
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Band42-10MHz-QPSK-43040-1RB#49



14:39:31 16.06.2023

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



14:40:26 16.06.2023



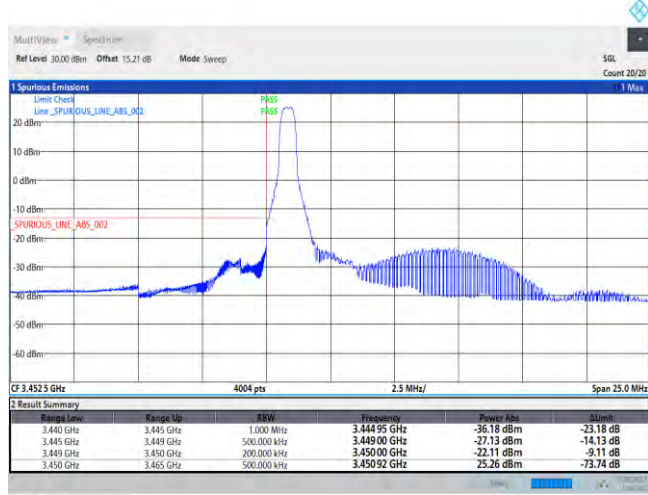
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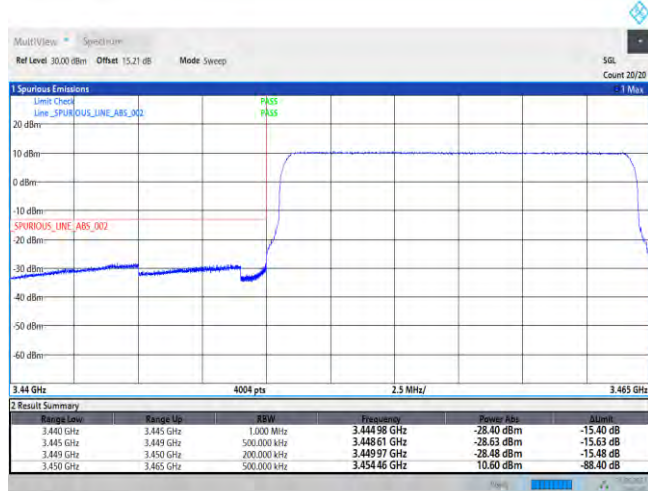


Band42-15MHz-QPSK-42165-1RB#0



14:42:53 16.06.2023

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



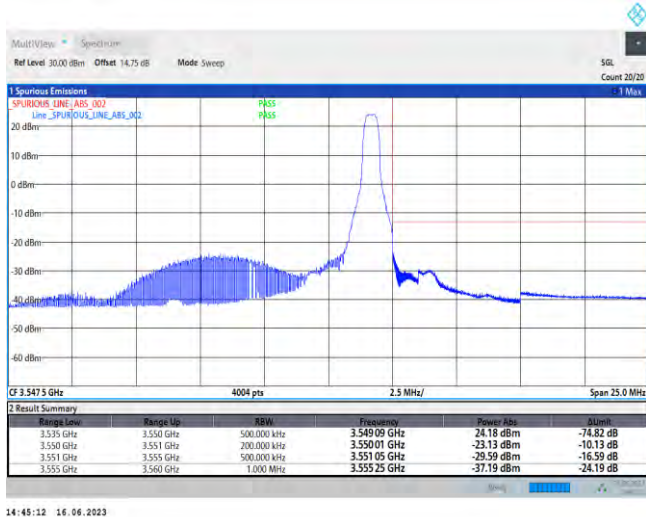
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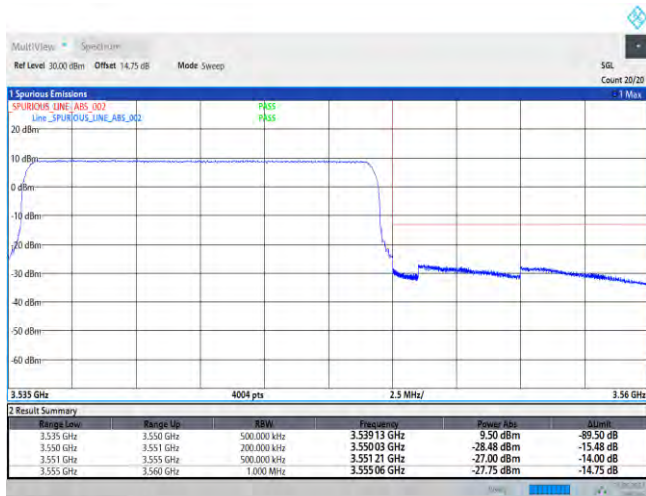
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Band42-15MHz-QPSK-43015-1RB#74



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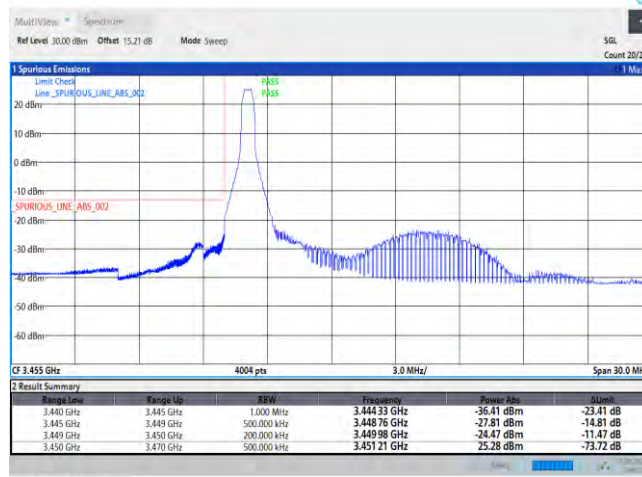
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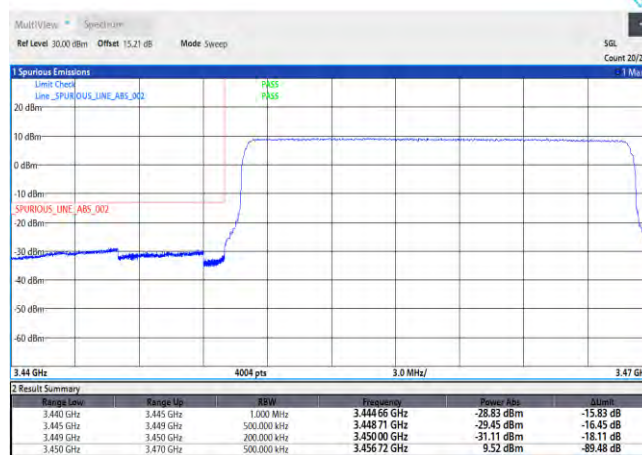
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Band42-20MHz-QPSK-42190-1RB#0



14:48:35 16.06.2023

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



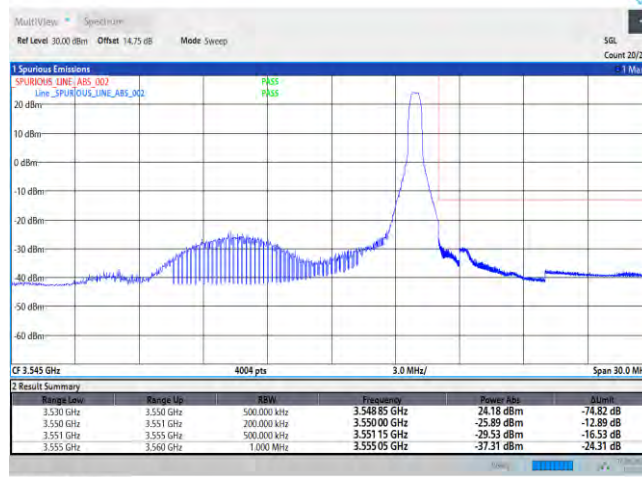
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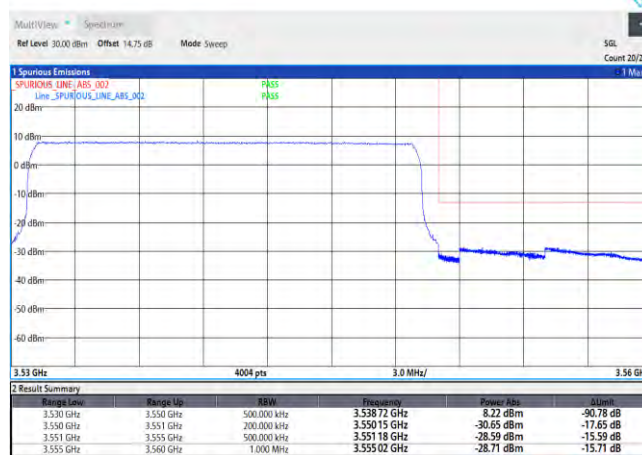
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Band42-20MHz-QPSK-42990-1RB#99



14:52:00 16.06.2023

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



14:52:56 16.06.2023



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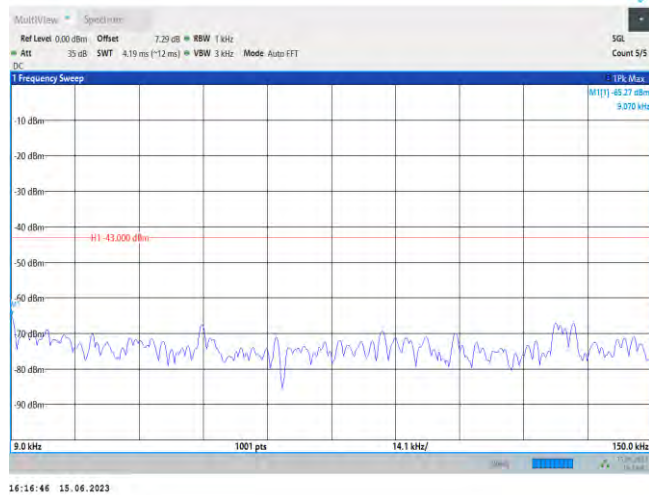
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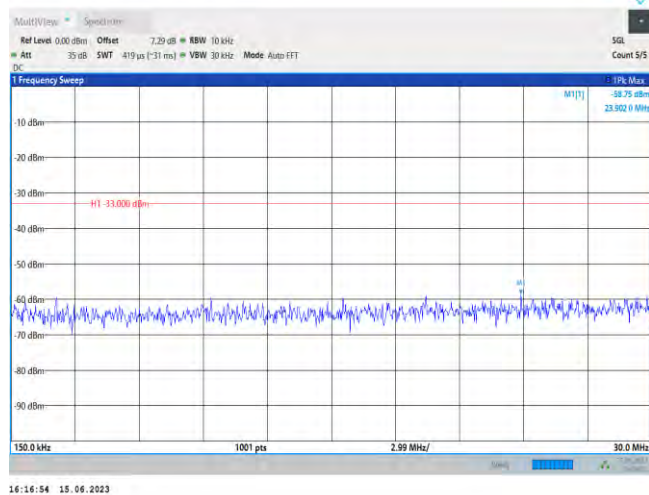
## Conducted Spurious Emission

### Test Graphs

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



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

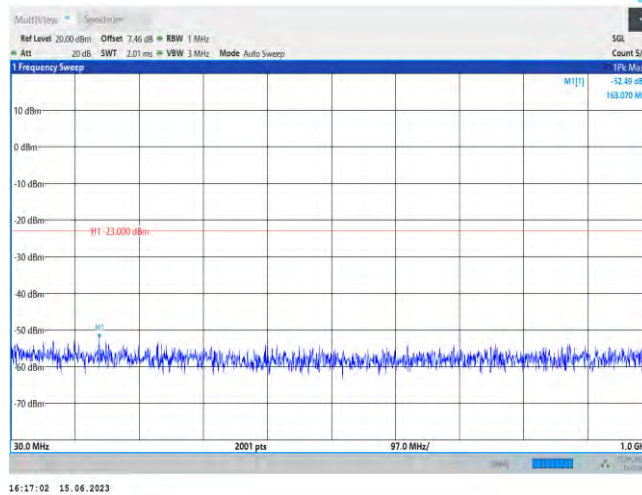


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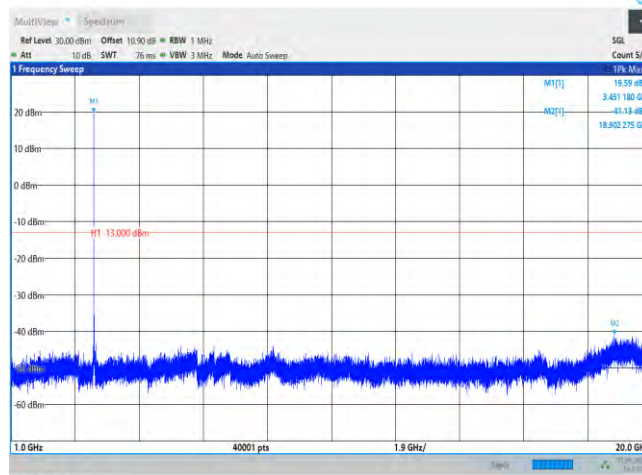
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Band42-20MHz-QPSK-42190-1RB#0-Range3:30~1000MHz



16:17:02 15.06.2023

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



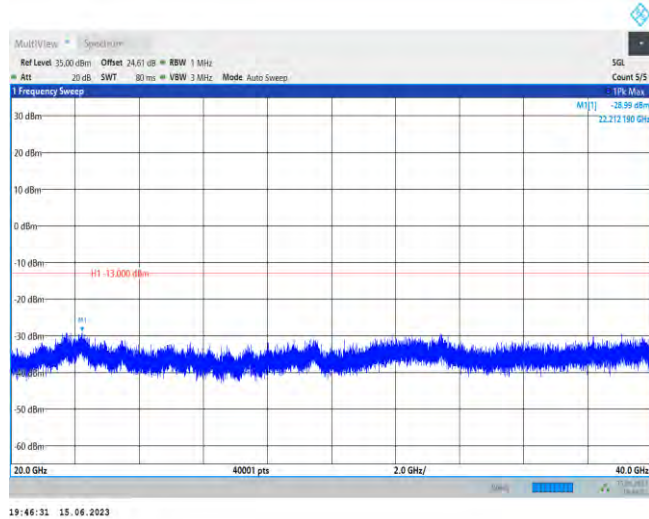
16:17:11 15.06.2023



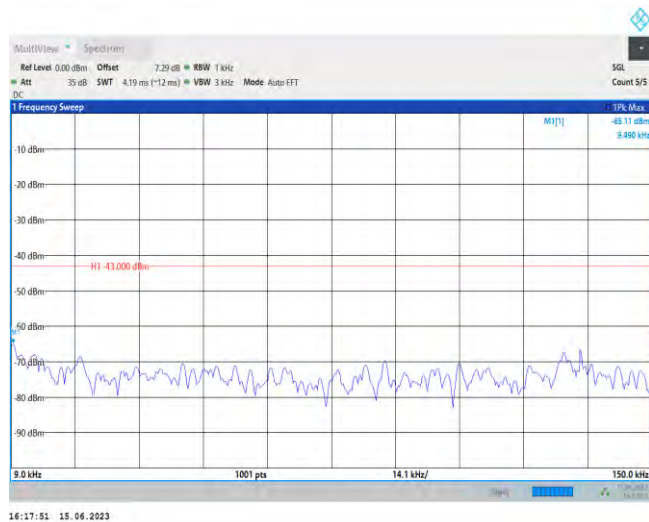
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Band42-20MHz-QPSK-42190-1RB#0-Range5:20000~40000MHz



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

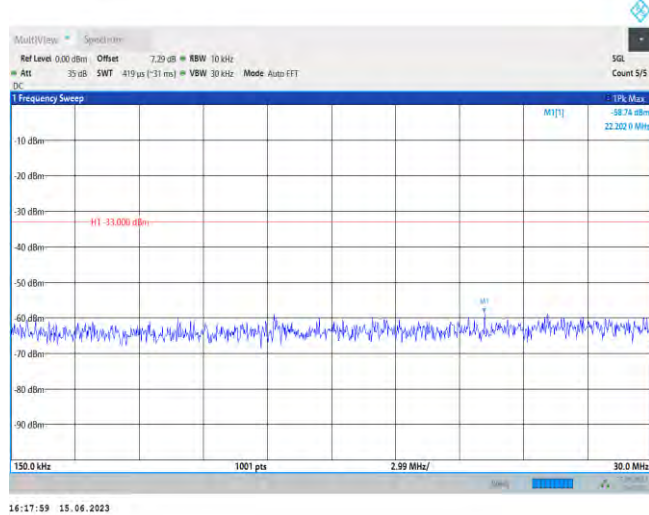


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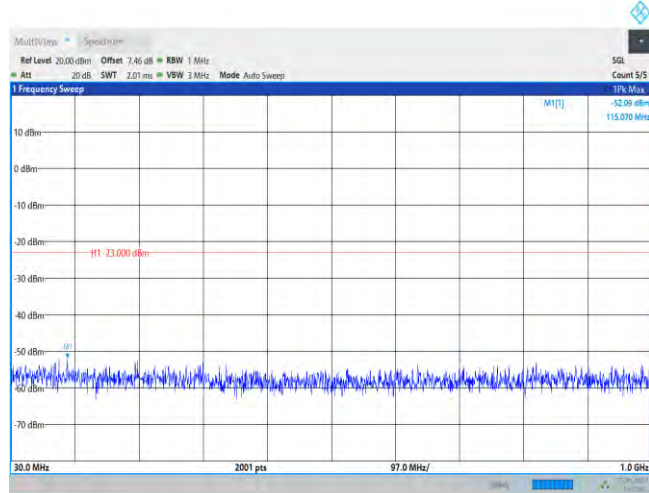
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Band42-20MHz-QPSK-42590-1RB#0-Range2:0.15~30MHz



16:17:59 15.06.2023

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



16:18:07 15.06.2023



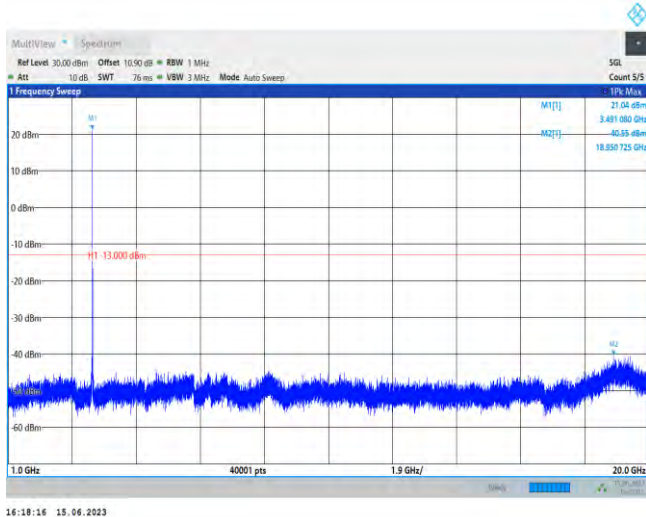
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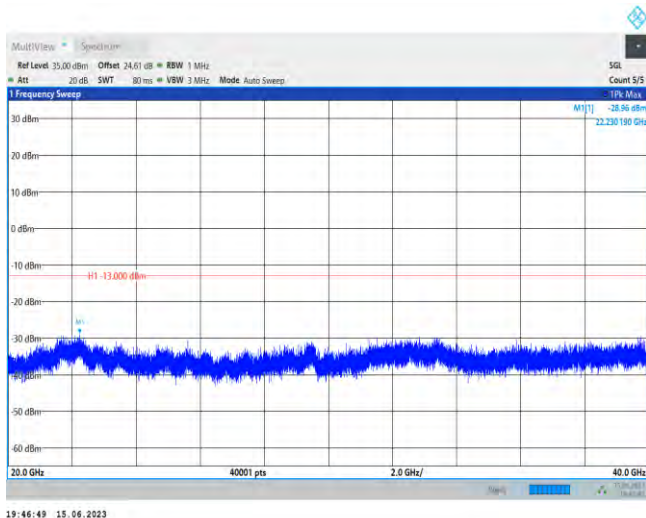
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Band42-20MHz-QPSK-42590-1RB#0-Range4:1000~20000MHz



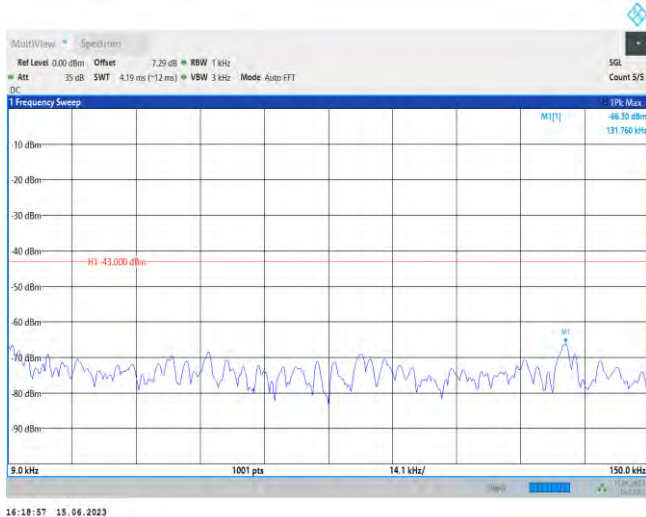
Band42-20MHz-QPSK-42590-1RB#0-Range5:20000~40000MHz



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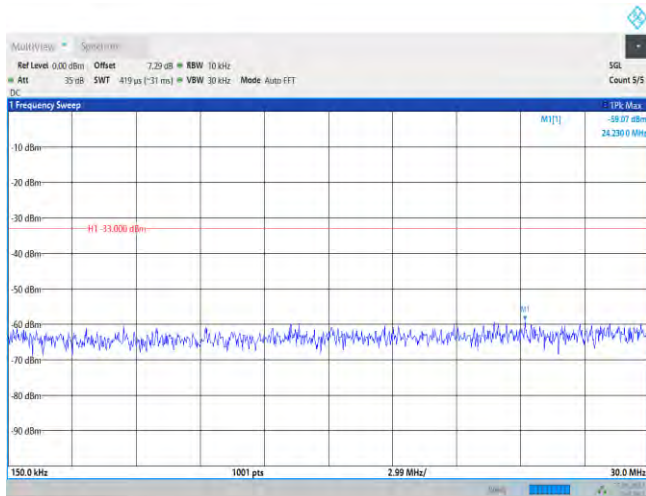
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Band42-20MHz-QPSK-42990-1RB#0-Range1:0.009~0.15MHz



16:18:57 15.06.2023

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



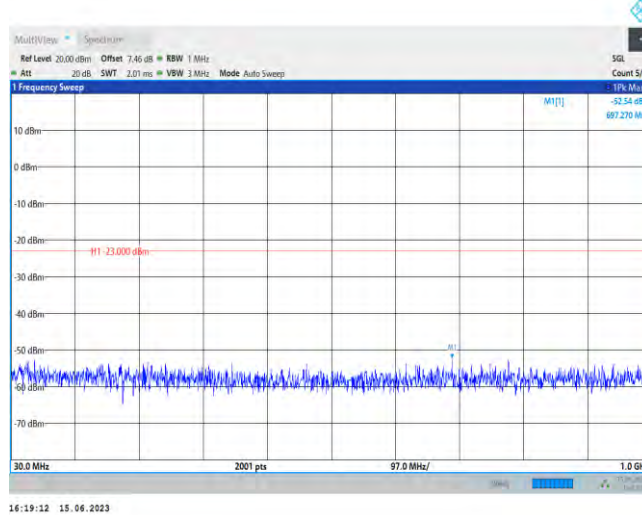
16:19:04 15.06.2023



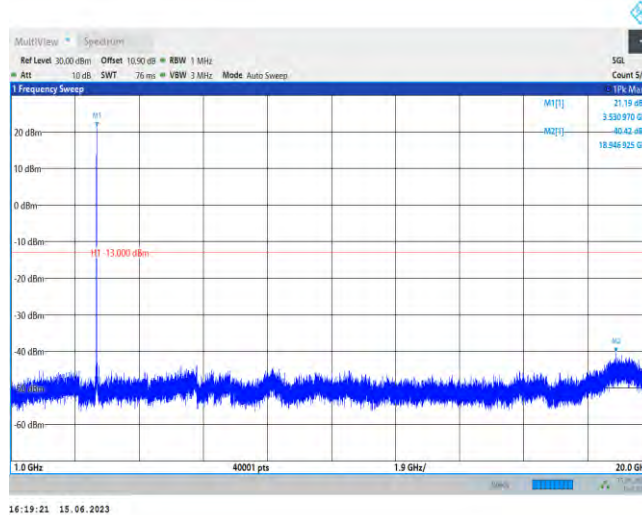
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Band42-20MHz-QPSK-42990-1RB#0-Range3:30~1000MHz



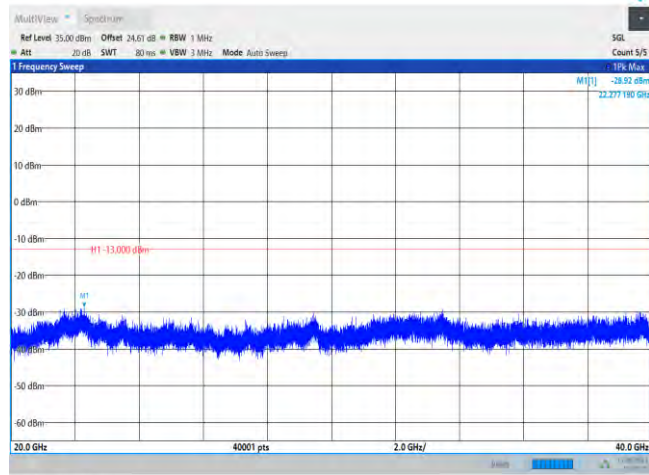
Band42-20MHz-QPSK-42990-1RB#0-Range4:1000~20000MHz



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



19:47:07 15.06.2023



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### Field Strength of Spurious Radiation(Worse)

Test Band = LTE Band42\_ TM1\_20MHz

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	6902.1800	40.95	-43.88	35.02	-63.16	-13.00	50.16	168	105	Horizontal
2	8377.375	40.57	-41.48	36.61	-59.56	-13.00	46.56	142	359	Horizontal
3	9257.125	38.62	-40.02	36.79	-59.87	-13.00	46.87	153	226	Horizontal
4	10353.2700	35.67	-38.84	38.38	-60.05	-13.00	47.05	261	60	Horizontal
5	13804.3600	32.39	-36.22	40.55	-58.54	-13.00	45.54	177	120	Horizontal
6	17255.4500	31.84	-35.06	43.45	-55.03	-13.00	42.03	193	331	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	6902.1800	41.11	-43.88	35.02	-63.00	-13.00	50.00	211	0	Vertical
2	8384.275	40.61	-41.45	36.61	-59.49	-13.00	46.49	126	357	Vertical
3	10353.2700	36.08	-38.84	38.38	-59.64	-13.00	46.64	258	346	Vertical
4	12329.925	34.58	-36.74	38.90	-58.53	-13.00	45.53	140	166	Vertical
5	13804.3600	33.20	-36.22	40.55	-57.73	-13.00	44.73	129	7	Vertical
6	17255.4500	32.67	-35.06	43.45	-54.20	-13.00	41.20	293	210	Vertical



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**Test Band = LTE Band42\_ TM1\_20MHz**  
**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	6982.1800	40.47	-43.15	35.17	-62.77	-13.00	49.77	152	120	Horizontal
2	8420.5	40.27	-41.46	36.59	-59.86	-13.00	46.86	136	360	Horizontal
3	9330.15	38.86	-40.02	36.93	-59.50	-13.00	46.50	236	360	Horizontal
4	10473.2700	35.25	-38.75	38.44	-60.32	-13.00	47.32	166	226	Horizontal
5	13964.3600	32.18	-35.06	40.84	-57.30	-13.00	44.30	259	226	Horizontal
6	17455.4500	32.98	-34.25	44.35	-52.18	-13.00	39.18	192	344	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	6982.1800	40.26	-43.15	35.17	-62.98	-13.00	49.98	258	316	Vertical
2	8406.7	40.27	-41.40	36.60	-59.79	-13.00	46.79	147	226	Vertical
3	9265.75	38.75	-40.03	36.80	-59.73	-13.00	46.73	196	0	Vertical
4	10473.2700	35.62	-38.75	38.44	-59.95	-13.00	46.95	152	120	Vertical
5	13964.3600	32.19	-35.06	40.84	-57.29	-13.00	44.29	136	196	Vertical
6	17455.4500	31.78	-34.25	44.35	-53.38	-13.00	40.38	250	0	Vertical



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**Test Band = LTE Band42\_ TM1\_20MHz**

**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	7062.1800	40.21	-43.41	35.37	-63.08	-13.00	50.08	126	210	Horizontal
2	8410.15	40.94	-41.41	36.59	-59.14	-13.00	46.14	259	60	Horizontal
3	9403.175	38.21	-39.92	37.07	-59.91	-13.00	46.91	144	44	Horizontal
4	10593.2700	34.48	-38.06	38.50	-60.34	-13.00	47.34	133	60	Horizontal
5	14124.3600	31.02	-35.87	40.95	-59.16	-13.00	46.16	259	151	Horizontal
6	17655.4500	31.34	-33.40	45.25	-52.07	-13.00	39.07	180	357	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	7062.1800	40.89	-43.41	35.37	-62.40	-13.00	49.40	254	148	Vertical
2	8687.875	40.29	-41.29	36.46	-59.80	-13.00	46.80	163	0	Vertical
3	9633.175	37.48	-39.29	37.50	-59.57	-13.00	46.57	259	315	Vertical
4	10593.2700	35.16	-38.06	38.50	-59.66	-13.00	46.66	163	180	Vertical
5	14124.3600	32.03	-35.87	40.95	-58.15	-13.00	45.15	251	0	Vertical
6	17655.4500	31.53	-33.40	45.25	-51.88	-13.00	38.88	144	286	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	2.10	0.000600	PASS
Band42	20MHz	QPSK	42590	100RB#0	VN	NT	3.70	0.001057	PASS
Band42	20MHz	QPSK	42590	100RB#0	VH	NT	2.00	0.000571	PASS

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band42	20MHz	QPSK	42590	100RB#0	NV	-30	3.50	0.001000	PASS
Band42	20MHz	QPSK	42590	100RB#0	NV	-20	3.80	0.001086	PASS
Band42	20MHz	QPSK	42590	100RB#0	NV	-10	0.80	0.000229	PASS
Band42	20MHz	QPSK	42590	100RB#0	NV	0	4.20	0.001200	PASS
Band42	20MHz	QPSK	42590	100RB#0	NV	10	1.20	0.000343	PASS
Band42	20MHz	QPSK	42590	100RB#0	NV	20	4.00	0.001143	PASS
Band42	20MHz	QPSK	42590	100RB#0	NV	30	3.80	0.001086	PASS
Band42	20MHz	QPSK	42590	100RB#0	NV	40	3.50	0.001000	PASS
Band42	20MHz	QPSK	42590	100RB#0	NV	50	5.00	0.001429	PASS

---End of Attachment---



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