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Appendix B.14

LTE Band 42



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Effective (Isotropic) Radiated Power Output Data

Test Result

Ant5:

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	EIRP(dBm)	Limit(dBm)	Verdict
Band42	5MHz	QPSK	42115	1RB#0	23.92	23.62	30.00	PASS
Band42	5MHz	QPSK	42115	1RB#12	23.97	23.67	30.00	PASS
Band42	5MHz	QPSK	42115	1RB#24	23.92	23.62	30.00	PASS
Band42	5MHz	QPSK	42115	25RB#0	23.02	22.72	30.00	PASS
Band42	5MHz	QPSK	42590	1RB#0	23.73	23.43	30.00	PASS
Band42	5MHz	QPSK	42590	1RB#12	23.81	23.51	30.00	PASS
Band42	5MHz	QPSK	42590	1RB#24	23.78	23.48	30.00	PASS
Band42	5MHz	QPSK	42590	25RB#0	22.76	22.46	30.00	PASS
Band42	5MHz	QPSK	43065	1RB#0	23.68	23.38	30.00	PASS
Band42	5MHz	QPSK	43065	1RB#12	23.75	23.45	30.00	PASS
Band42	5MHz	QPSK	43065	1RB#24	23.64	23.34	30.00	PASS
Band42	5MHz	QPSK	43065	25RB#0	22.75	22.45	30.00	PASS
Band42	5MHz	16QAM	42115	1RB#0	22.94	22.64	30.00	PASS
Band42	5MHz	16QAM	42115	1RB#12	23.01	22.71	30.00	PASS
Band42	5MHz	16QAM	42115	1RB#24	22.98	22.68	30.00	PASS
Band42	5MHz	16QAM	42115	25RB#0	22.00	21.70	30.00	PASS
Band42	5MHz	16QAM	42590	1RB#0	22.80	22.50	30.00	PASS
Band42	5MHz	16QAM	42590	1RB#12	22.80	22.50	30.00	PASS
Band42	5MHz	16QAM	42590	1RB#24	22.87	22.57	30.00	PASS
Band42	5MHz	16QAM	42590	25RB#0	21.73	21.43	30.00	PASS
Band42	5MHz	16QAM	43065	1RB#0	22.74	22.44	30.00	PASS
Band42	5MHz	16QAM	43065	1RB#12	22.82	22.52	30.00	PASS
Band42	5MHz	16QAM	43065	1RB#24	22.75	22.45	30.00	PASS
Band42	5MHz	16QAM	43065	25RB#0	21.74	21.44	30.00	PASS
Band42	5MHz	64QAM	42115	1RB#0	21.85	21.55	30.00	PASS
Band42	5MHz	64QAM	42115	1RB#12	21.99	21.69	30.00	PASS
Band42	5MHz	64QAM	42115	1RB#24	21.91	21.61	30.00	PASS



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Band42	5MHz	64QAM	42115	25RB#0	20.98	20.68	30.00	PASS
Band42	5MHz	64QAM	42590	1RB#0	21.78	21.48	30.00	PASS
Band42	5MHz	64QAM	42590	1RB#12	21.82	21.52	30.00	PASS
Band42	5MHz	64QAM	42590	1RB#24	21.70	21.40	30.00	PASS
Band42	5MHz	64QAM	42590	25RB#0	20.76	20.46	30.00	PASS
Band42	5MHz	64QAM	43065	1RB#0	21.77	21.47	30.00	PASS
Band42	5MHz	64QAM	43065	1RB#12	21.80	21.50	30.00	PASS
Band42	5MHz	64QAM	43065	1RB#24	21.68	21.38	30.00	PASS
Band42	5MHz	64QAM	43065	25RB#0	20.75	20.45	30.00	PASS
Band42	10MHz	QPSK	42140	1RB#0	23.95	23.65	30.00	PASS
Band42	10MHz	QPSK	42140	1RB#24	24.01	23.71	30.00	PASS
Band42	10MHz	QPSK	42140	1RB#49	23.97	23.67	30.00	PASS
Band42	10MHz	QPSK	42140	50RB#0	23.07	22.77	30.00	PASS
Band42	10MHz	QPSK	42590	1RB#0	23.74	23.44	30.00	PASS
Band42	10MHz	QPSK	42590	1RB#24	23.82	23.52	30.00	PASS
Band42	10MHz	QPSK	42590	1RB#49	23.78	23.48	30.00	PASS
Band42	10MHz	QPSK	42590	50RB#0	22.80	22.50	30.00	PASS
Band42	10MHz	QPSK	43040	1RB#0	23.68	23.38	30.00	PASS
Band42	10MHz	QPSK	43040	1RB#24	23.76	23.46	30.00	PASS
Band42	10MHz	QPSK	43040	1RB#49	23.67	23.37	30.00	PASS
Band42	10MHz	QPSK	43040	50RB#0	22.75	22.45	30.00	PASS
Band42	10MHz	16QAM	42140	1RB#0	23.05	22.75	30.00	PASS
Band42	10MHz	16QAM	42140	1RB#24	22.98	22.68	30.00	PASS
Band42	10MHz	16QAM	42140	1RB#49	23.00	22.70	30.00	PASS
Band42	10MHz	16QAM	42140	50RB#0	22.05	21.75	30.00	PASS
Band42	10MHz	16QAM	42590	1RB#0	22.74	22.44	30.00	PASS
Band42	10MHz	16QAM	42590	1RB#24	22.92	22.62	30.00	PASS
Band42	10MHz	16QAM	42590	1RB#49	22.80	22.50	30.00	PASS
Band42	10MHz	16QAM	42590	50RB#0	21.83	21.53	30.00	PASS
Band42	10MHz	16QAM	43040	1RB#0	22.68	22.38	30.00	PASS
Band42	10MHz	16QAM	43040	1RB#24	22.74	22.44	30.00	PASS
Band42	10MHz	16QAM	43040	1RB#49	22.77	22.47	30.00	PASS



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Band42	10MHz	16QAM	43040	50RB#0	21.71	21.41	30.00	PASS
Band42	10MHz	64QAM	42140	1RB#0	21.92	21.62	30.00	PASS
Band42	10MHz	64QAM	42140	1RB#24	22.03	21.73	30.00	PASS
Band42	10MHz	64QAM	42140	1RB#49	21.94	21.64	30.00	PASS
Band42	10MHz	64QAM	42140	50RB#0	21.03	20.73	30.00	PASS
Band42	10MHz	64QAM	42590	1RB#0	21.70	21.40	30.00	PASS
Band42	10MHz	64QAM	42590	1RB#24	21.80	21.50	30.00	PASS
Band42	10MHz	64QAM	42590	1RB#49	21.75	21.45	30.00	PASS
Band42	10MHz	64QAM	42590	50RB#0	20.75	20.45	30.00	PASS
Band42	10MHz	64QAM	43040	1RB#0	21.65	21.35	30.00	PASS
Band42	10MHz	64QAM	43040	1RB#24	21.69	21.39	30.00	PASS
Band42	10MHz	64QAM	43040	1RB#49	21.64	21.34	30.00	PASS
Band42	10MHz	64QAM	43040	50RB#0	20.71	20.41	30.00	PASS
Band42	15MHz	QPSK	42165	1RB#0	23.73	23.43	30.00	PASS
Band42	15MHz	QPSK	42165	1RB#38	23.82	23.52	30.00	PASS
Band42	15MHz	QPSK	42165	1RB#74	23.69	23.39	30.00	PASS
Band42	15MHz	QPSK	42165	75RB#0	22.85	22.55	30.00	PASS
Band42	15MHz	QPSK	42590	1RB#0	23.55	23.25	30.00	PASS
Band42	15MHz	QPSK	42590	1RB#38	23.66	23.36	30.00	PASS
Band42	15MHz	QPSK	42590	1RB#74	23.60	23.30	30.00	PASS
Band42	15MHz	QPSK	42590	75RB#0	22.61	22.31	30.00	PASS
Band42	15MHz	QPSK	43015	1RB#0	23.53	23.23	30.00	PASS
Band42	15MHz	QPSK	43015	1RB#38	23.54	23.24	30.00	PASS
Band42	15MHz	QPSK	43015	1RB#74	23.48	23.18	30.00	PASS
Band42	15MHz	QPSK	43015	75RB#0	22.52	22.22	30.00	PASS
Band42	15MHz	16QAM	42165	1RB#0	22.79	22.49	30.00	PASS
Band42	15MHz	16QAM	42165	1RB#38	22.81	22.51	30.00	PASS
Band42	15MHz	16QAM	42165	1RB#74	22.75	22.45	30.00	PASS
Band42	15MHz	16QAM	42165	75RB#0	21.87	21.57	30.00	PASS
Band42	15MHz	16QAM	42590	1RB#0	22.56	22.26	30.00	PASS
Band42	15MHz	16QAM	42590	1RB#38	22.75	22.45	30.00	PASS
Band42	15MHz	16QAM	42590	1RB#74	22.67	22.37	30.00	PASS



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Band42	15MHz	16QAM	42590	75RB#0	21.63	21.33	30.00	PASS
Band42	15MHz	16QAM	43015	1RB#0	22.47	22.17	30.00	PASS
Band42	15MHz	16QAM	43015	1RB#38	22.63	22.33	30.00	PASS
Band42	15MHz	16QAM	43015	1RB#74	22.59	22.29	30.00	PASS
Band42	15MHz	16QAM	43015	75RB#0	21.56	21.26	30.00	PASS
Band42	15MHz	64QAM	42165	1RB#0	21.70	21.40	30.00	PASS
Band42	15MHz	64QAM	42165	1RB#38	21.66	21.36	30.00	PASS
Band42	15MHz	64QAM	42165	1RB#74	21.68	21.38	30.00	PASS
Band42	15MHz	64QAM	42165	75RB#0	20.91	20.61	30.00	PASS
Band42	15MHz	64QAM	42590	1RB#0	21.54	21.24	30.00	PASS
Band42	15MHz	64QAM	42590	1RB#38	21.61	21.31	30.00	PASS
Band42	15MHz	64QAM	42590	1RB#74	21.55	21.25	30.00	PASS
Band42	15MHz	64QAM	42590	75RB#0	20.63	20.33	30.00	PASS
Band42	15MHz	64QAM	43015	1RB#0	21.52	21.22	30.00	PASS
Band42	15MHz	64QAM	43015	1RB#38	21.57	21.27	30.00	PASS
Band42	15MHz	64QAM	43015	1RB#74	21.35	21.05	30.00	PASS
Band42	15MHz	64QAM	43015	75RB#0	20.56	20.26	30.00	PASS
Band42	20MHz	QPSK	42190	1RB#0	23.75	23.45	30.00	PASS
Band42	20MHz	QPSK	42190	1RB#49	23.79	23.49	30.00	PASS
Band42	20MHz	QPSK	42190	1RB#99	23.68	23.38	30.00	PASS
Band42	20MHz	QPSK	42190	100RB#0	22.85	22.55	30.00	PASS
Band42	20MHz	QPSK	42590	1RB#0	23.51	23.21	30.00	PASS
Band42	20MHz	QPSK	42590	1RB#49	23.65	23.35	30.00	PASS
Band42	20MHz	QPSK	42590	1RB#99	23.61	23.31	30.00	PASS
Band42	20MHz	QPSK	42590	100RB#0	22.63	22.33	30.00	PASS
Band42	20MHz	QPSK	42990	1RB#0	23.54	23.24	30.00	PASS
Band42	20MHz	QPSK	42990	1RB#49	23.56	23.26	30.00	PASS
Band42	20MHz	QPSK	42990	1RB#99	23.53	23.23	30.00	PASS
Band42	20MHz	QPSK	42990	100RB#0	22.56	22.26	30.00	PASS
Band42	20MHz	16QAM	42190	1RB#0	22.85	22.55	30.00	PASS
Band42	20MHz	16QAM	42190	1RB#49	22.80	22.50	30.00	PASS
Band42	20MHz	16QAM	42190	1RB#99	22.70	22.40	30.00	PASS



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Band42	20MHz	16QAM	42190	100RB#0	21.85	21.55	30.00	PASS
Band42	20MHz	16QAM	42590	1RB#0	22.66	22.36	30.00	PASS
Band42	20MHz	16QAM	42590	1RB#49	22.67	22.37	30.00	PASS
Band42	20MHz	16QAM	42590	1RB#99	22.67	22.37	30.00	PASS
Band42	20MHz	16QAM	42590	100RB#0	21.64	21.34	30.00	PASS
Band42	20MHz	16QAM	42990	1RB#0	22.55	22.25	30.00	PASS
Band42	20MHz	16QAM	42990	1RB#49	22.71	22.41	30.00	PASS
Band42	20MHz	16QAM	42990	1RB#99	22.52	22.22	30.00	PASS
Band42	20MHz	16QAM	42990	100RB#0	21.57	21.27	30.00	PASS
Band42	20MHz	64QAM	42190	1RB#0	21.81	21.51	30.00	PASS
Band42	20MHz	64QAM	42190	1RB#49	21.83	21.53	30.00	PASS
Band42	20MHz	64QAM	42190	1RB#99	21.71	21.41	30.00	PASS
Band42	20MHz	64QAM	42190	100RB#0	20.85	20.55	30.00	PASS
Band42	20MHz	64QAM	42590	1RB#0	21.49	21.19	30.00	PASS
Band42	20MHz	64QAM	42590	1RB#49	21.68	21.38	30.00	PASS
Band42	20MHz	64QAM	42590	1RB#99	21.63	21.33	30.00	PASS
Band42	20MHz	64QAM	42590	100RB#0	20.61	20.31	30.00	PASS
Band42	20MHz	64QAM	42990	1RB#0	21.59	21.29	30.00	PASS
Band42	20MHz	64QAM	42990	1RB#49	21.58	21.28	30.00	PASS
Band42	20MHz	64QAM	42990	1RB#99	21.46	21.16	30.00	PASS
Band42	20MHz	64QAM	42990	100RB#0	20.57	20.27	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	7.64	13	PASS
Band42	20MHz	QPSK	42590	100RB#0	7.52	13	PASS
Band42	20MHz	QPSK	42990	100RB#0	7.72	13	PASS
Band42	20MHz	16QAM	42190	100RB#0	8.20	13	PASS
Band42	20MHz	16QAM	42590	100RB#0	8.28	13	PASS
Band42	20MHz	16QAM	42990	100RB#0	8.28	13	PASS
Band42	20MHz	64QAM	42190	100RB#0	8.70	13	PASS
Band42	20MHz	64QAM	42590	100RB#0	8.58	13	PASS
Band42	20MHz	64QAM	42990	100RB#0	8.62	13	PASS



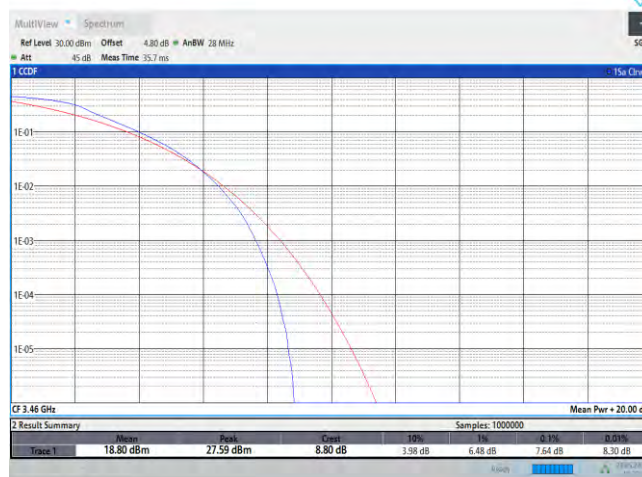
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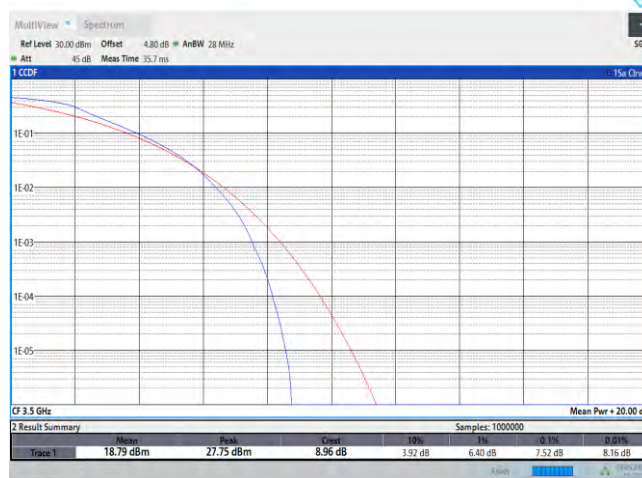
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Test Graphs

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



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



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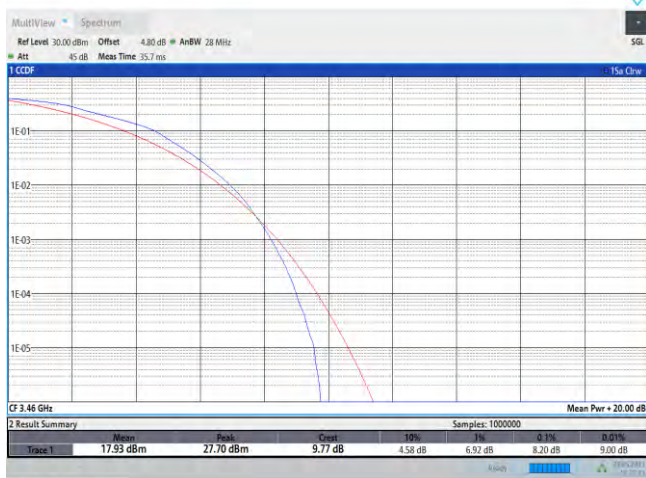
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Band42-20MHz-QPSK-42990-100RB#0



18:38:44 28.05.2023

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



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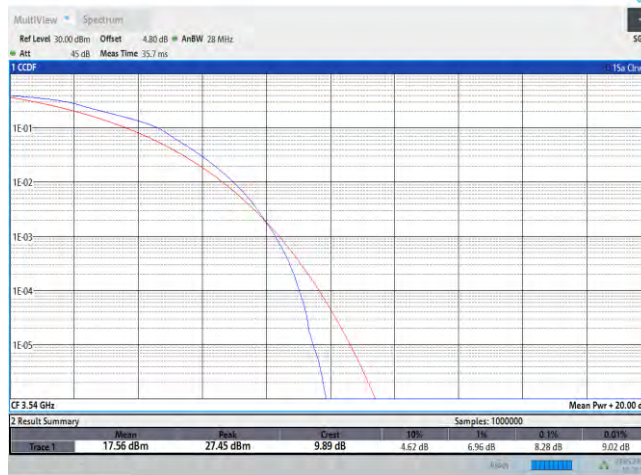
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Band42-20MHz-16QAM-42590-100RB#0



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



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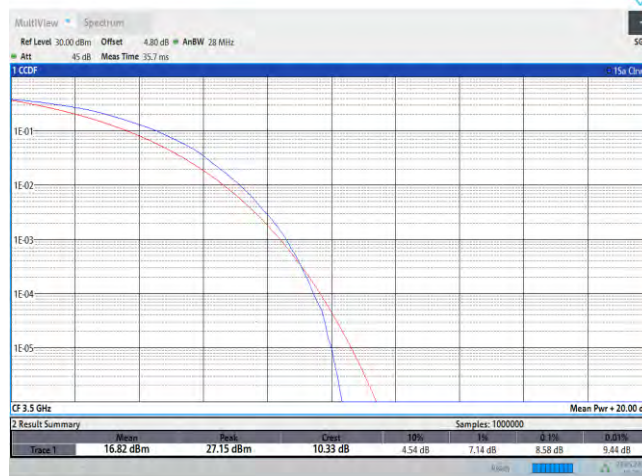
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Band42-20MHz-64QAM-42190-100RB#0



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



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



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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



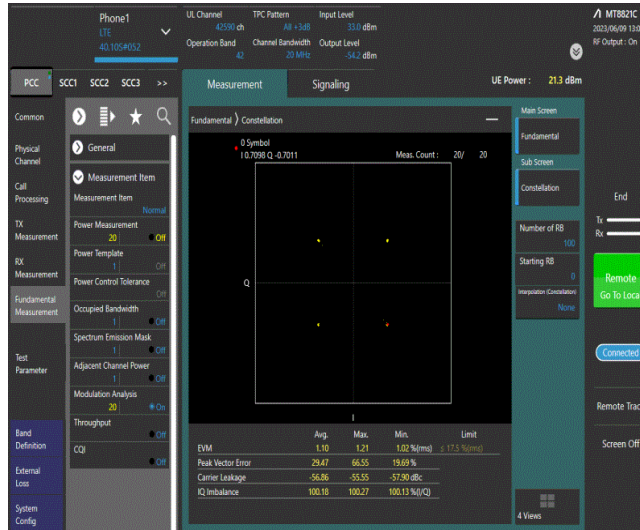
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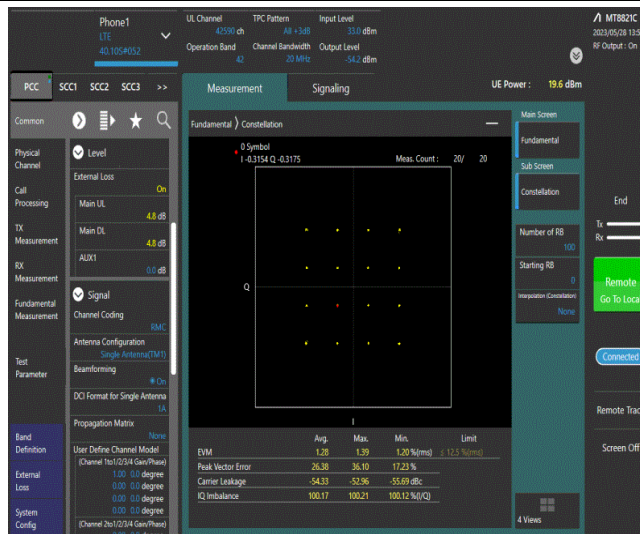
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Test Graphs

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

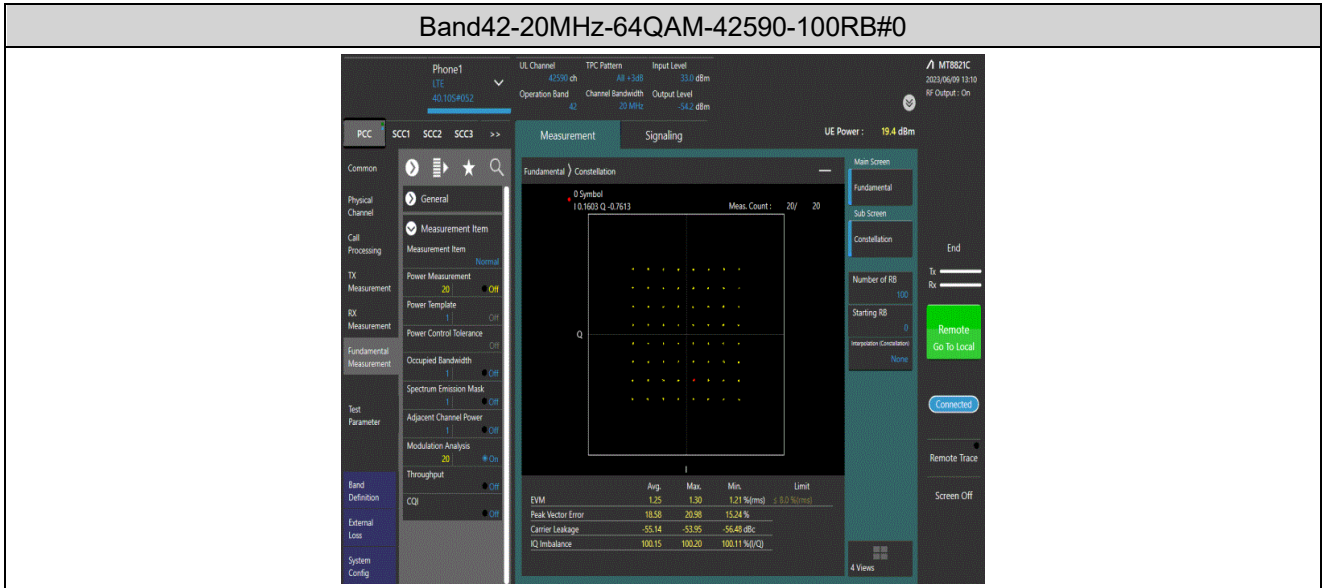


Band42-20MHz-16QAM-42590-100RB#0



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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	4.516	4.93	PASS
Band42	5MHz	QPSK	42590	25RB#0	4.496	4.99	PASS
Band42	5MHz	QPSK	43065	25RB#0	4.489	5.05	PASS
Band42	5MHz	16QAM	42115	25RB#0	4.505	5.04	PASS
Band42	5MHz	16QAM	42590	25RB#0	4.491	4.97	PASS
Band42	5MHz	16QAM	43065	25RB#0	4.500	5.22	PASS
Band42	5MHz	64QAM	42115	25RB#0	4.496	5.04	PASS
Band42	5MHz	64QAM	42590	25RB#0	4.490	4.98	PASS
Band42	5MHz	64QAM	43065	25RB#0	4.491	5.07	PASS
Band42	10MHz	QPSK	42140	50RB#0	9.013	10.10	PASS
Band42	10MHz	QPSK	42590	50RB#0	8.987	9.93	PASS
Band42	10MHz	QPSK	43040	50RB#0	8.981	9.87	PASS
Band42	10MHz	16QAM	42140	50RB#0	9.009	9.83	PASS
Band42	10MHz	16QAM	42590	50RB#0	9.040	10.00	PASS
Band42	10MHz	16QAM	43040	50RB#0	9.008	10.23	PASS
Band42	10MHz	64QAM	42140	50RB#0	8.967	10.17	PASS
Band42	10MHz	64QAM	42590	50RB#0	9.018	10.07	PASS
Band42	10MHz	64QAM	43040	50RB#0	9.015	9.90	PASS
Band42	15MHz	QPSK	42165	75RB#0	13.462	14.85	PASS
Band42	15MHz	QPSK	42590	75RB#0	13.427	14.45	PASS
Band42	15MHz	QPSK	43015	75RB#0	13.515	14.85	PASS
Band42	15MHz	16QAM	42165	75RB#0	13.446	15.35	PASS
Band42	15MHz	16QAM	42590	75RB#0	13.437	14.65	PASS
Band42	15MHz	16QAM	43015	75RB#0	13.514	15.00	PASS
Band42	15MHz	64QAM	42165	75RB#0	13.489	15.90	PASS
Band42	15MHz	64QAM	42590	75RB#0	13.468	14.60	PASS
Band42	15MHz	64QAM	43015	75RB#0	13.457	14.85	PASS
Band42	20MHz	QPSK	42190	100RB#0	18.037	19.87	PASS
Band42	20MHz	QPSK	42590	100RB#0	17.978	19.67	PASS
Band42	20MHz	QPSK	42990	100RB#0	18.042	19.87	PASS
Band42	20MHz	16QAM	42190	100RB#0	18.056	20.20	PASS



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Report No.: SEWM2305000160RG01

Rev.: 01

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Band42	20MHz	16QAM	42590	100RB#0	18.069	19.87	PASS
Band42	20MHz	16QAM	42990	100RB#0	18.013	20.27	PASS
Band42	20MHz	64QAM	42190	100RB#0	18.040	20.07	PASS
Band42	20MHz	64QAM	42590	100RB#0	18.019	19.60	PASS
Band42	20MHz	64QAM	42990	100RB#0	17.960	20.07	PASS



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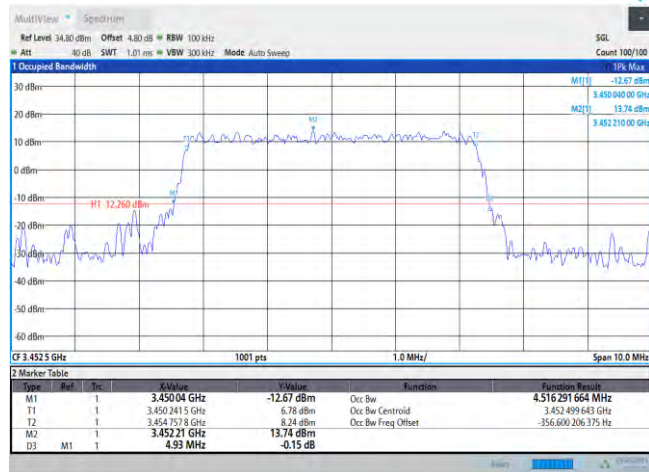
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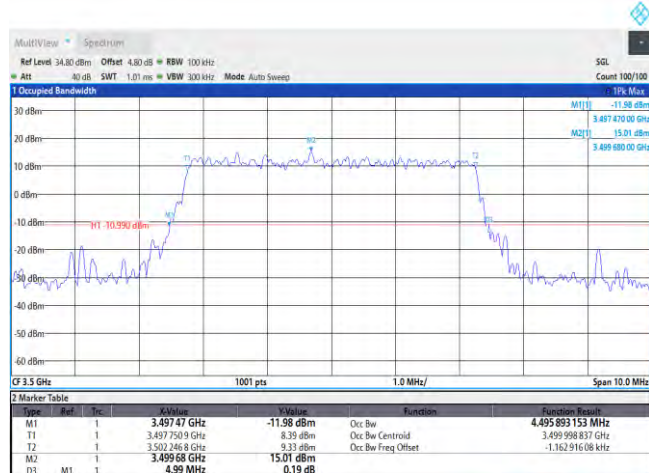
Test Graphs

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



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Band42-5MHz-QPSK-42590-25RB#0



18:13:06 28.05.2023



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



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



18:12:39 28.05.2023



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



18:13:19 28.05.2023

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



18:14:45 28.05.2023



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



18:12:53 28.05.2023

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



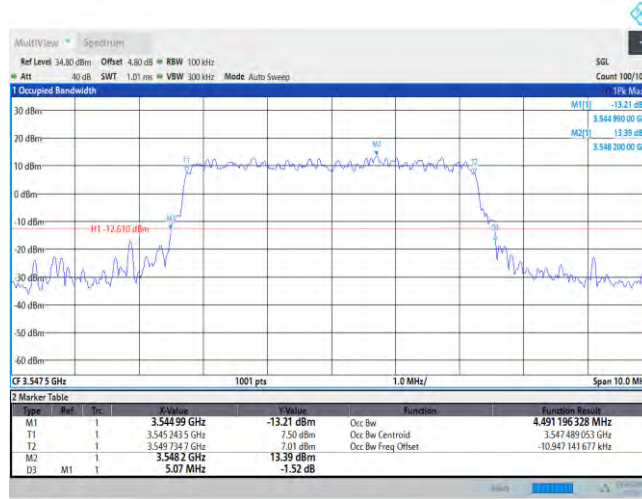
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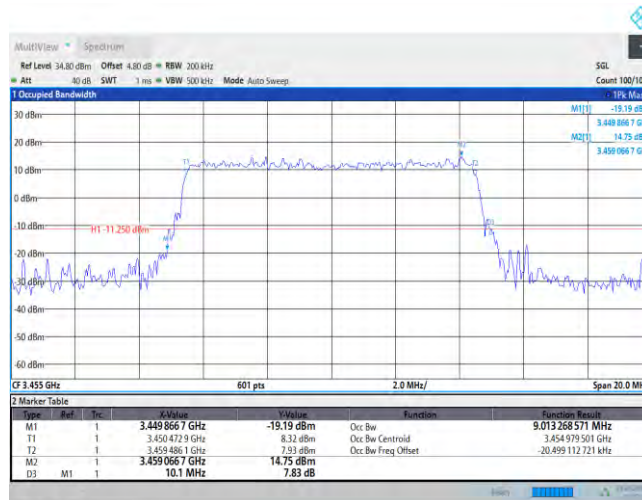
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Band42-5MHz-64QAM-43065-25RB#0



18:14:59 28.05.2023

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



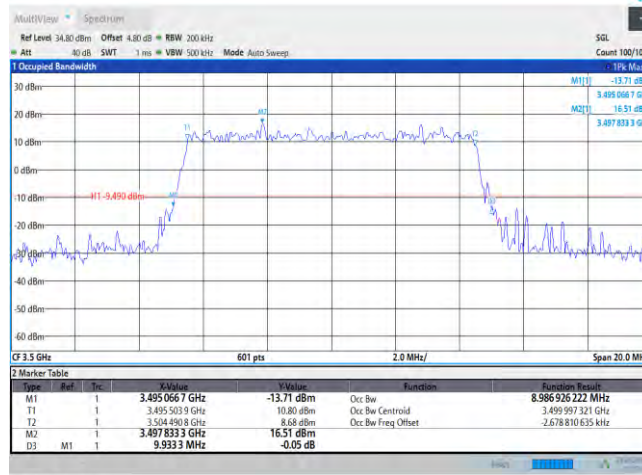
18:17:10 28.05.2023



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



18:17:50 28.05.2023

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



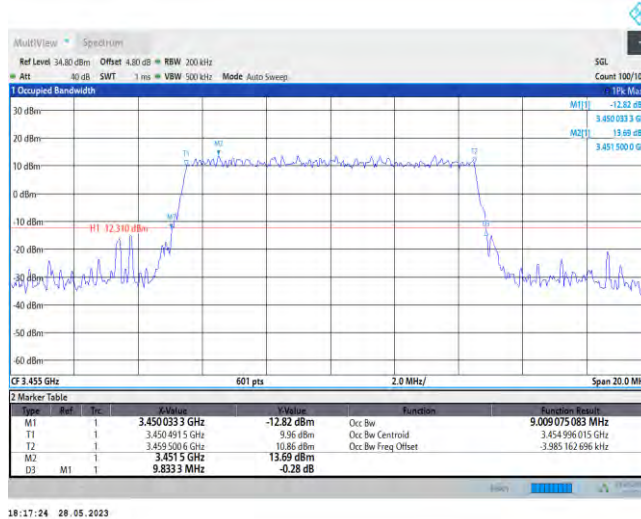
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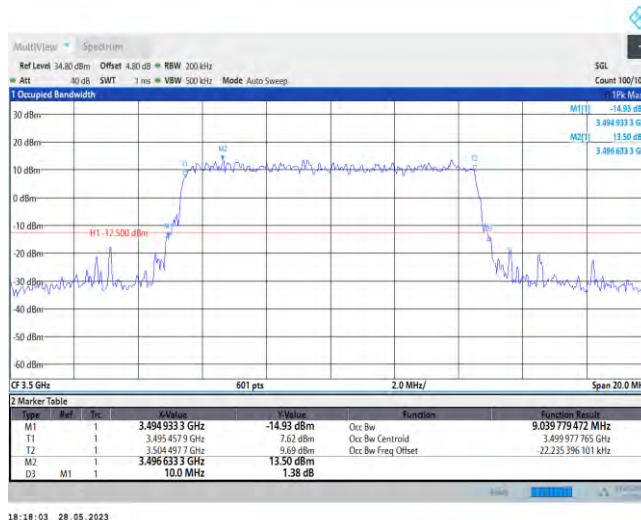
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Band42-10MHz-16QAM-42140-50RB#0



18:17:24 20.05.2023

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



18:18:03 20.05.2023



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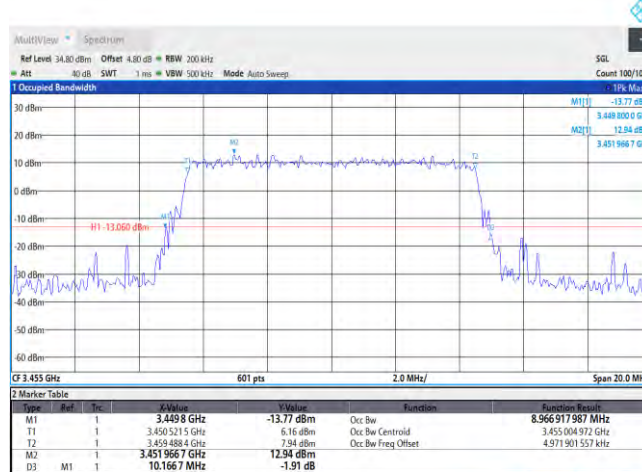
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Band42-10MHz-16QAM-43040-50RB#0



18:18:43 28.05.2023

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



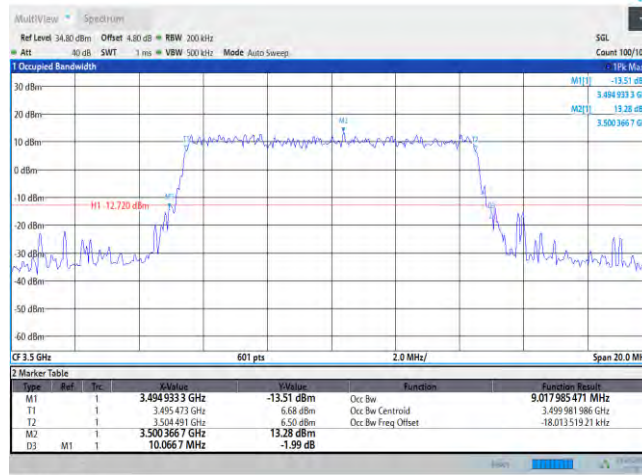
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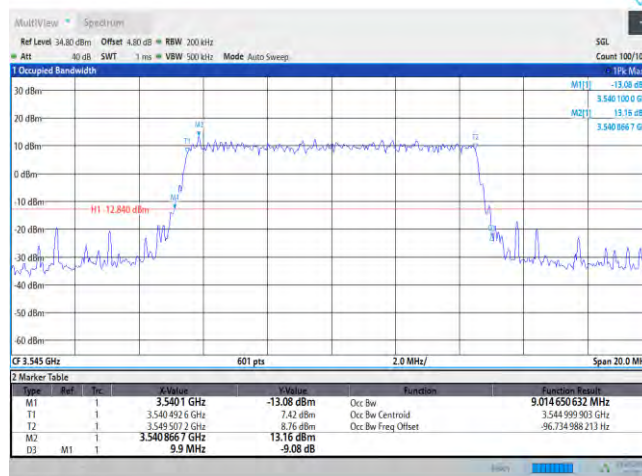
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Band42-10MHz-64QAM-42590-50RB#0



18:18:16 28.05.2023

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



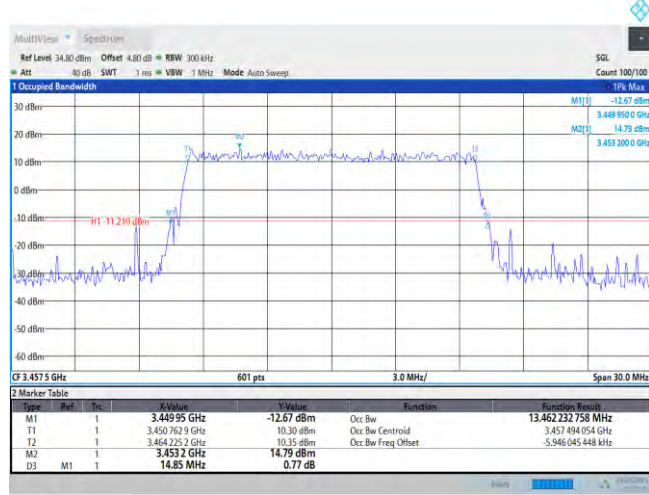
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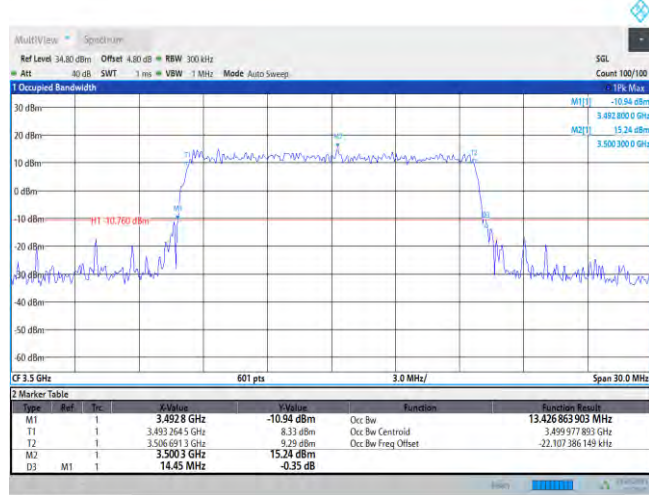
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Band42-15MHz-QPSK-42165-75RB#0



18:19:22 28.05.2023

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



18:20:02 28.05.2023

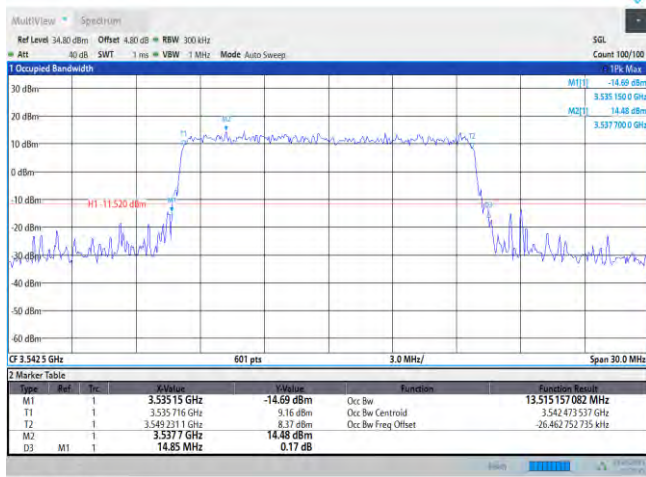


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Band42-15MHz-QPSK-43015-75RB#0



18:20:42 28.05.2023

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



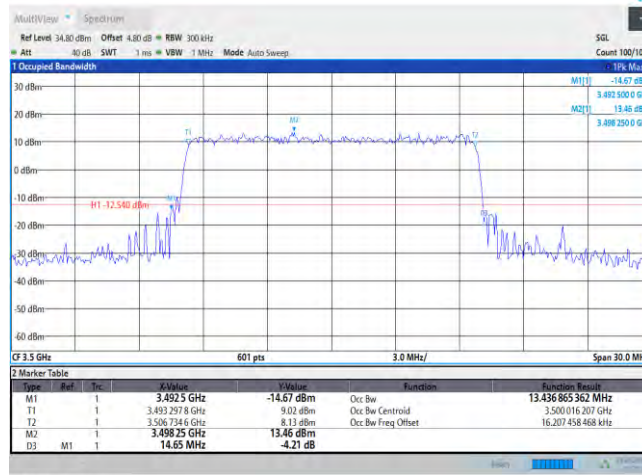
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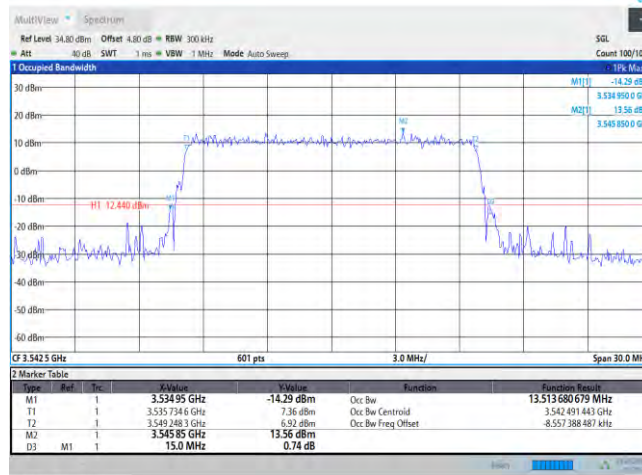
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Band42-15MHz-16QAM-43015-75RB#0



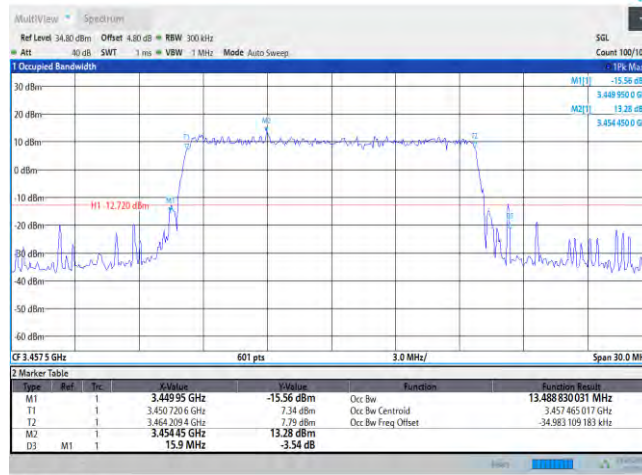
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Band42-15MHz-64QAM-42165-75RB#0



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



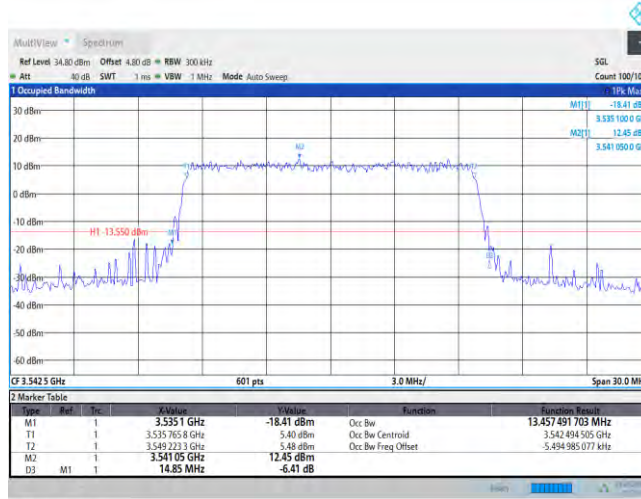
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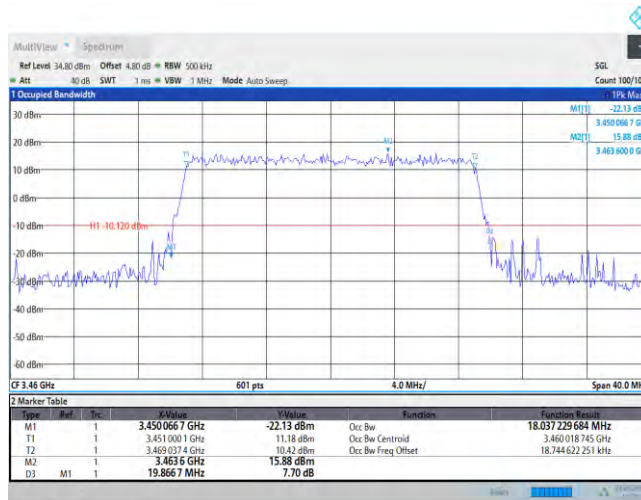
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Band42-15MHz-64QAM-43015-75RB#0



18:21:08 20.05.2023

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



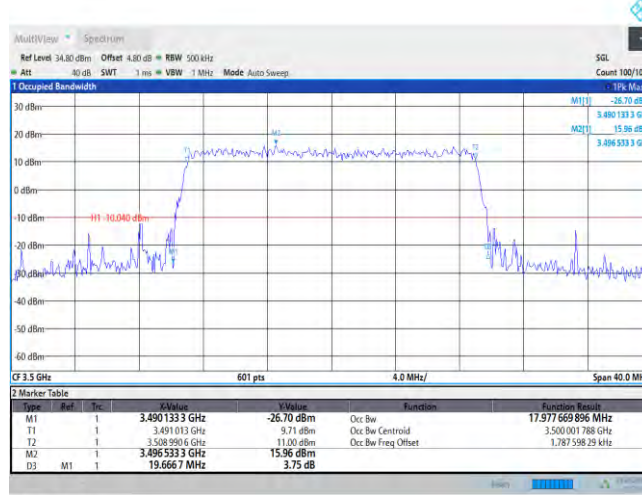
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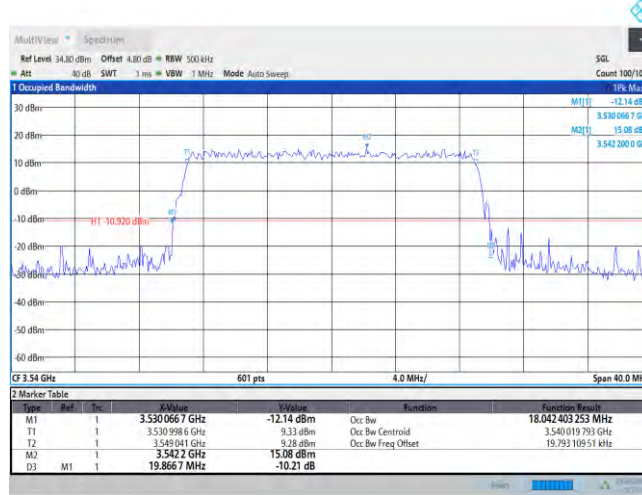
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Band42-20MHz-QPSK-42590-100RB#0



18:23:02 28.05.2023

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



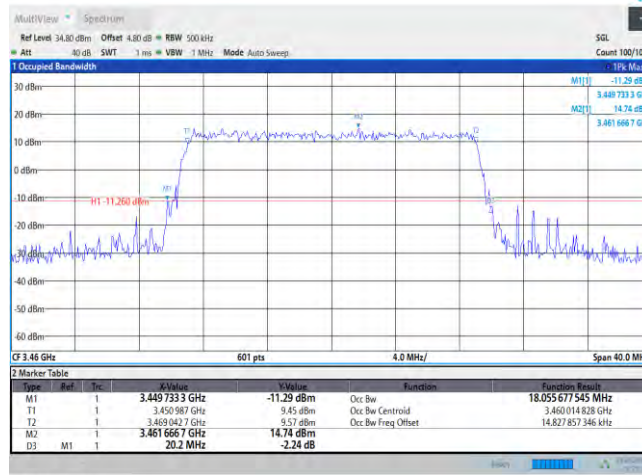
18:23:42 28.05.2023



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



18:22:35 28.05.2023

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



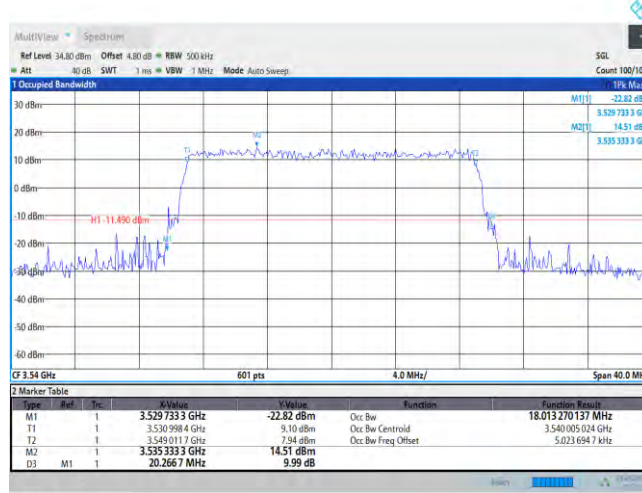
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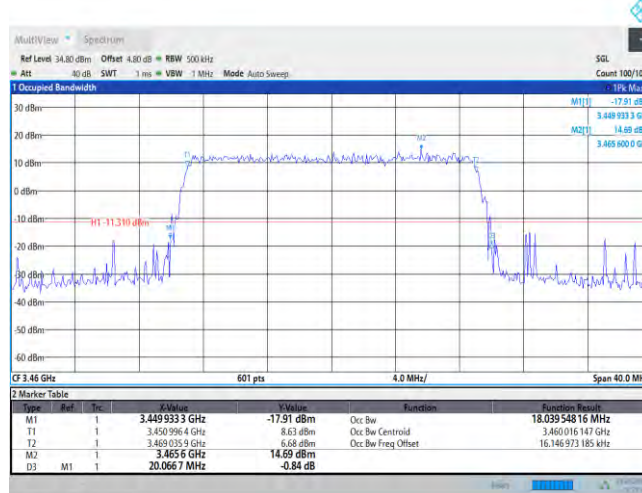
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Band42-20MHz-16QAM-42990-100RB#0



18:23:55 28.05.2023

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



18:22:48 28.05.2023



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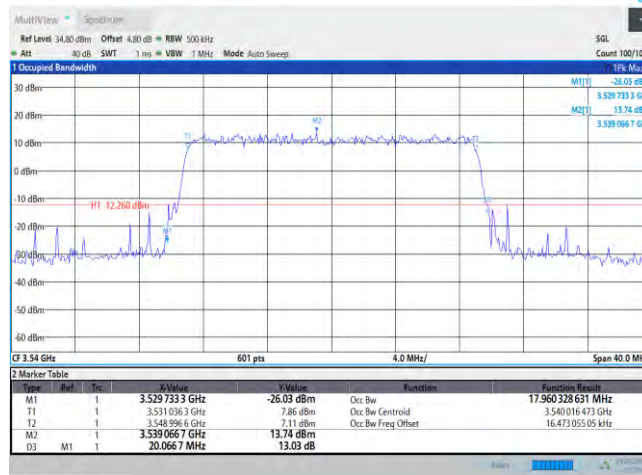
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Band42-20MHz-64QAM-42590-100RB#0



18:23:28 28.05.2023

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



18:24:08 28.05.2023



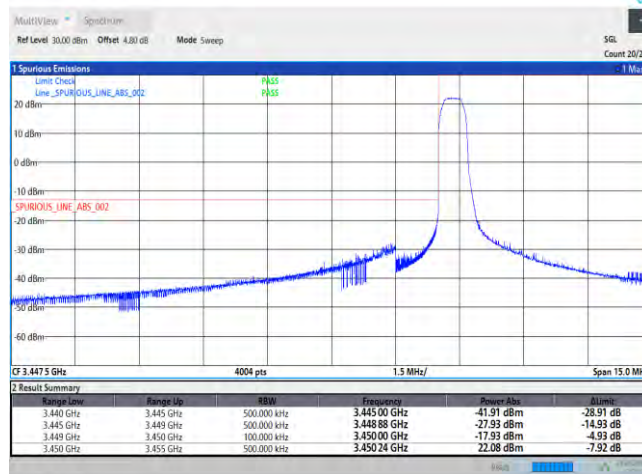
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Band Edge

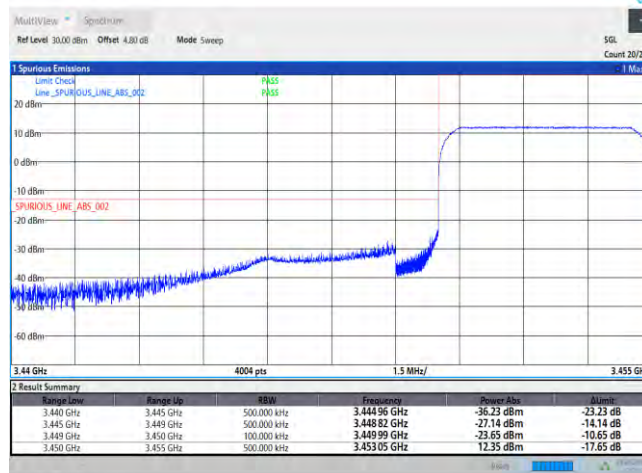
Test Graphs

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



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



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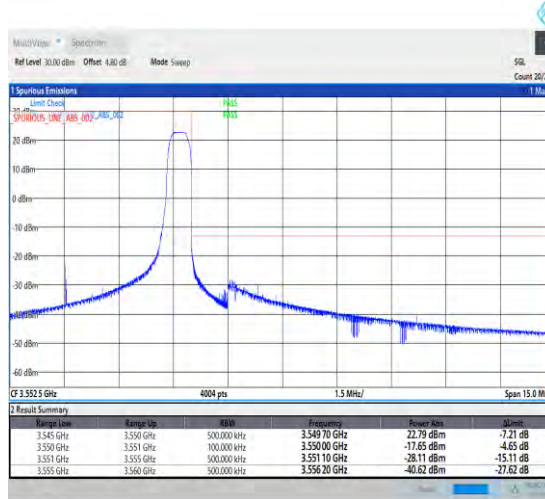


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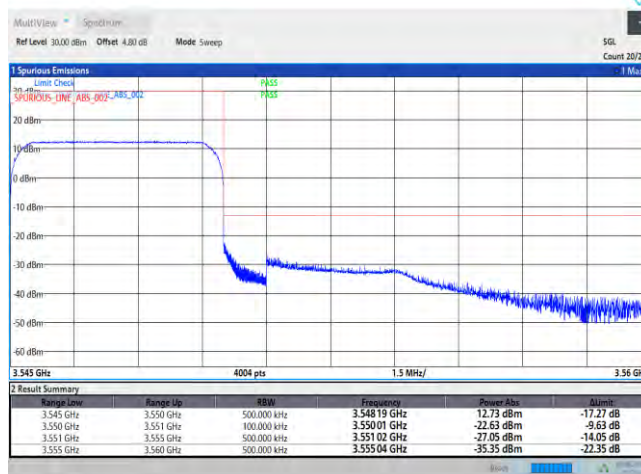
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Band42-5MHz-QPSK-43065-1RB#24



16:02:41 09.06.2023

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



15:23:07 09.06.2023



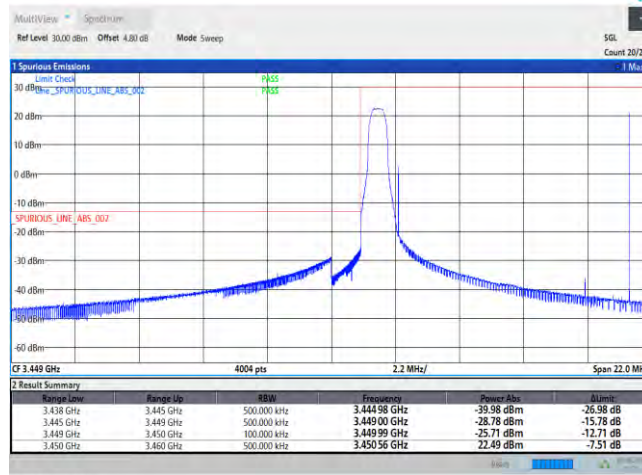
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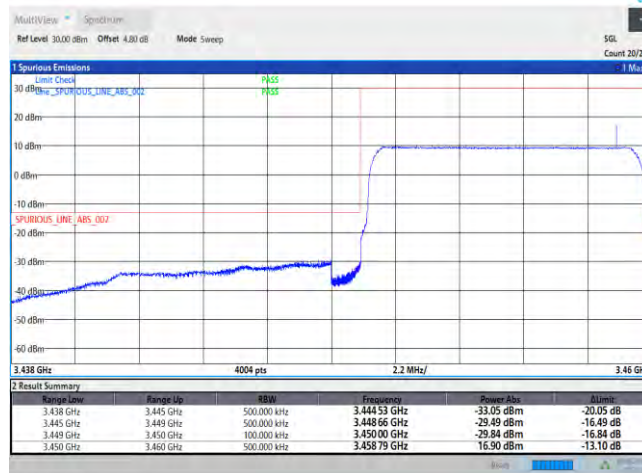
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Band42-10MHz-QPSK-42140-1RB#0



15:31:30 09.06.2023

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



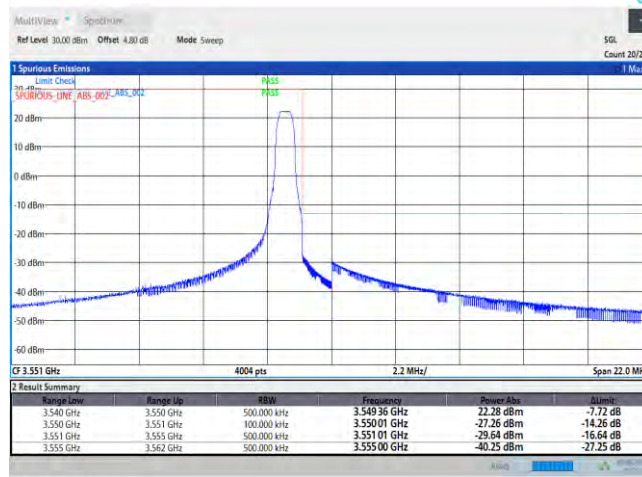
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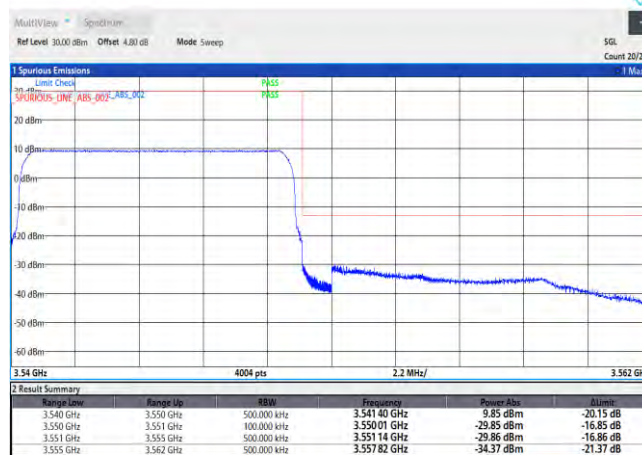
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Band42-10MHz-QPSK-43040-1RB#49



15:33:36 09.06.2023

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



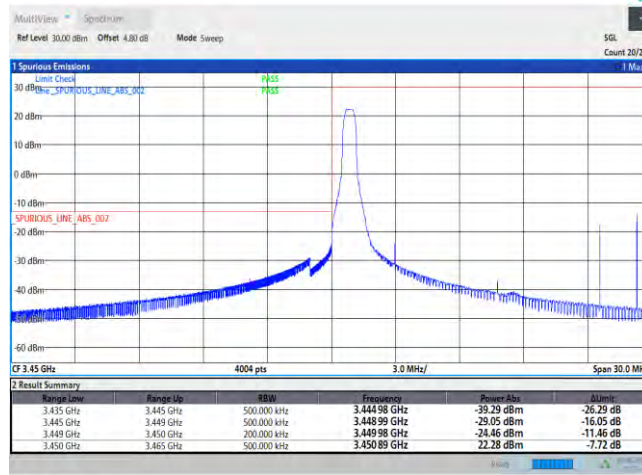
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Band42-15MHz-QPSK-42165-1RB#0



15:35:45 09.06.2023

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



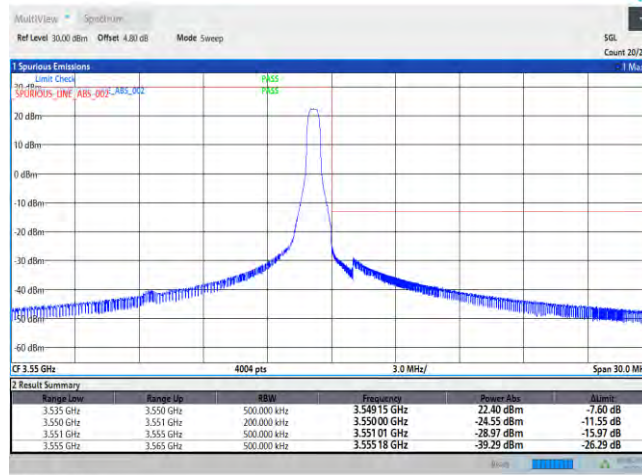
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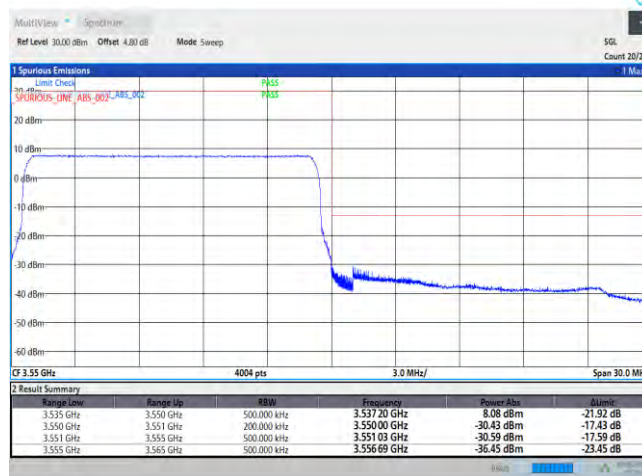
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Band42-15MHz-QPSK-43015-1RB#74



15:37:55 09.06.2023

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



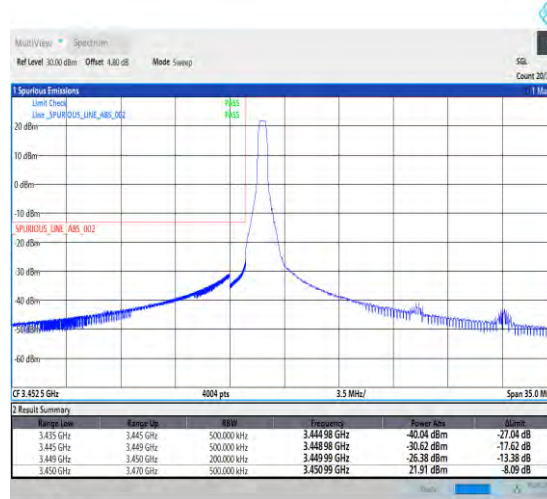
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Band42-20MHz-QPSK-42190-1RB#0



17:56:31 28.05.2023

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



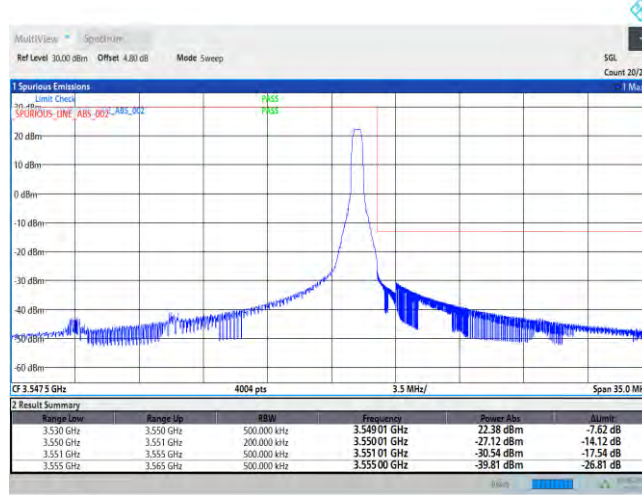
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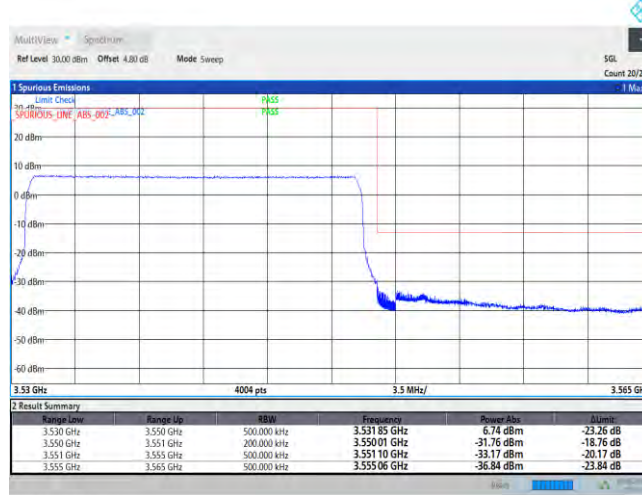
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Band42-20MHz-QPSK-42990-1RB#99



15:42:11 09.06.2023

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



15:43:04 09.06.2023



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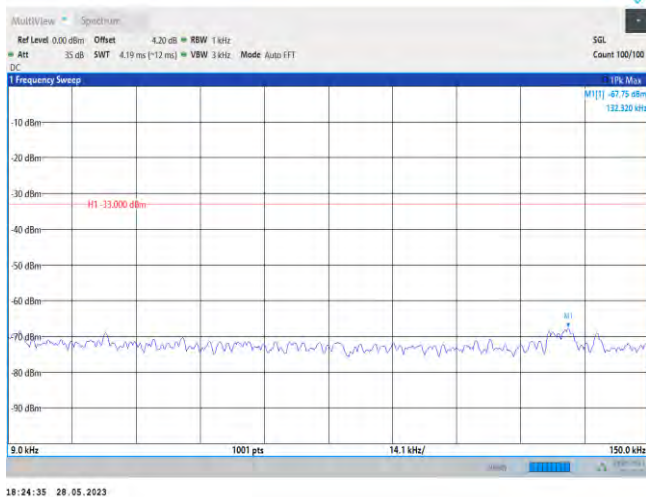
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Conducted Spurious Emission

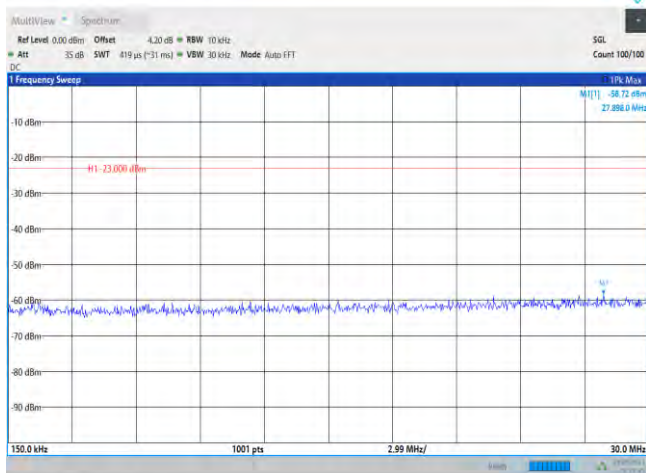
Test Graphs

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



18:24:35 28.05.2023

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



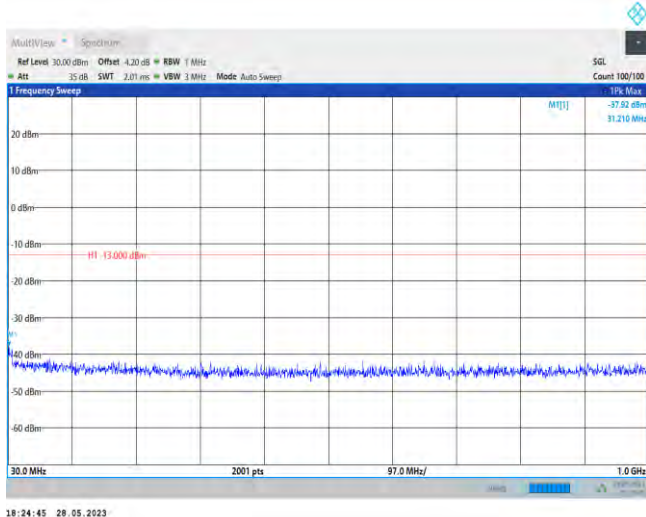
18:24:41 28.05.2023



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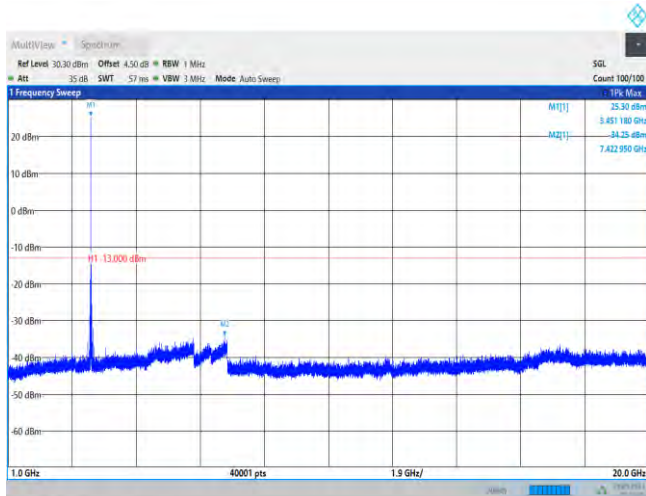
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Band42-20MHz-QPSK-42190-1RB#0-Range3:30~1000MHz



18:24:45 28.05.2023

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

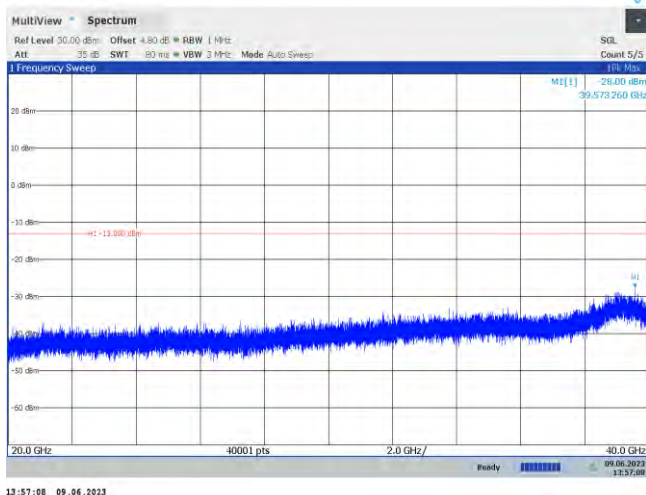


18:25:00 28.05.2023

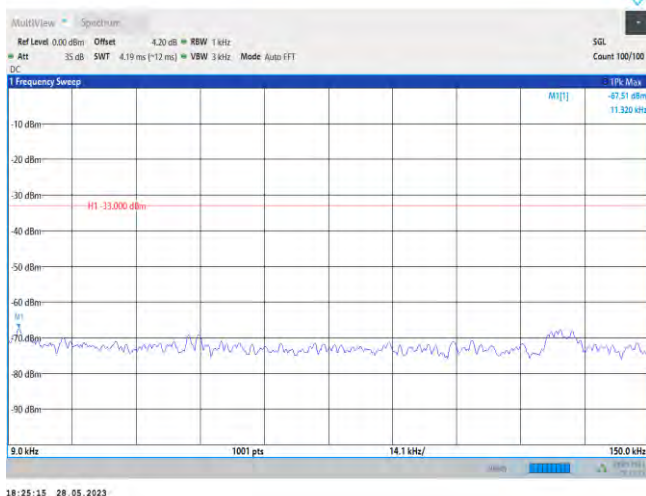


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Band42-20MHz-QPSK-42190-1RB#0-Range4:20000~40000MHz

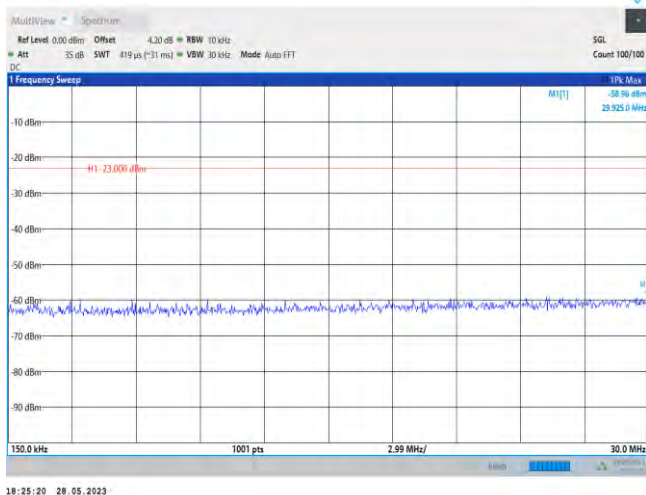


Band42-20MHz-QPSK-42590-1RB#0-Range1:0.009~0.15MHz



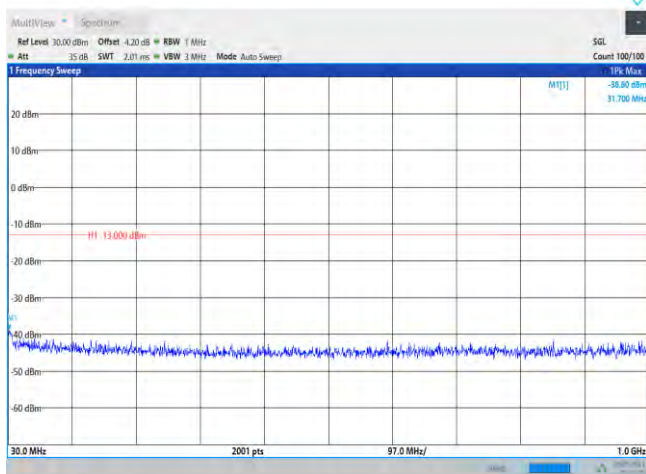
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Band42-20MHz-QPSK-42590-1RB#0-Range2:0.15~30MHz



18:25:20 28.05.2023

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



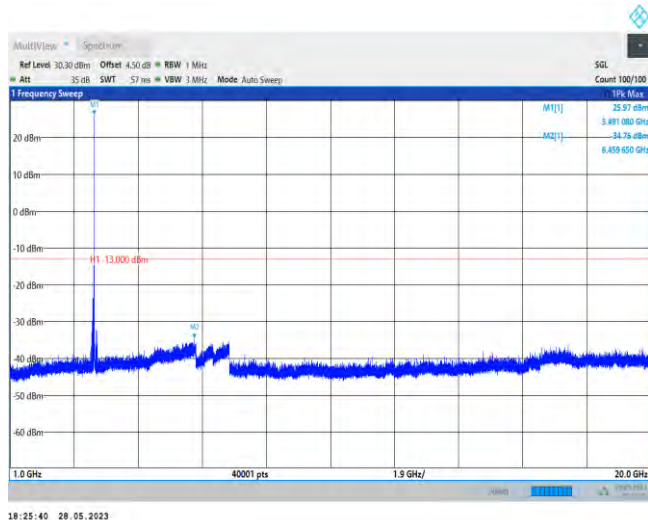
18:25:24 28.05.2023



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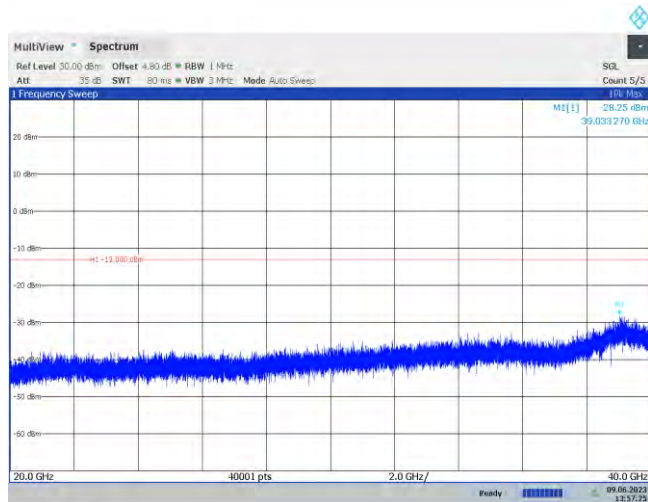
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Band42-20MHz-QPSK-42590-1RB#0-Range4:1000~20000MHz



18:25:40 28.05.2023

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



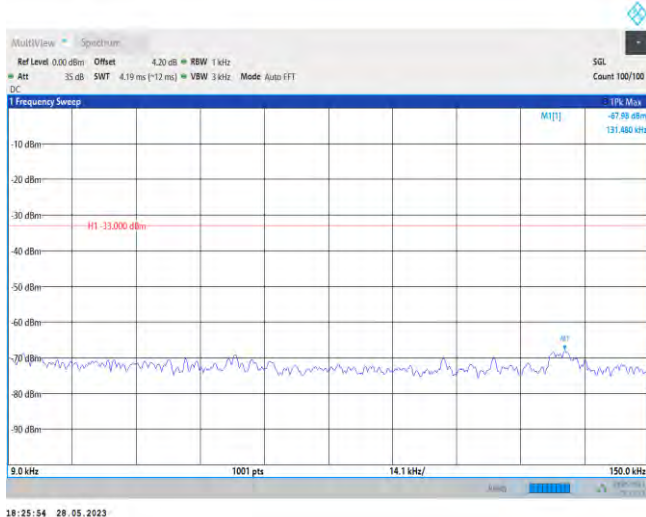
13:57:26 09.06.2023



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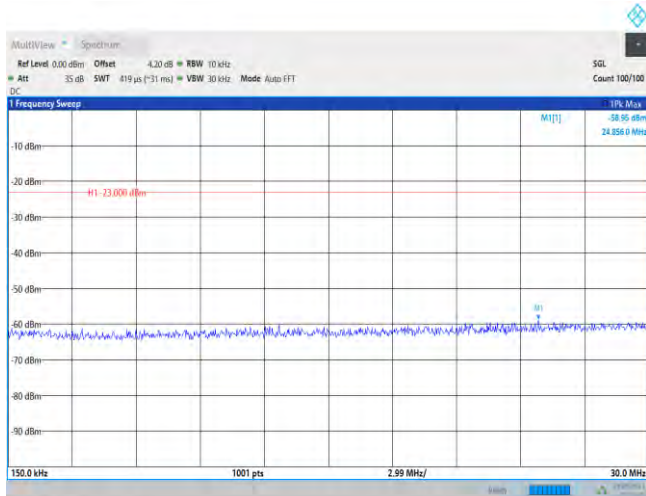
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Band42-20MHz-QPSK-42990-1RB#0-Range1:0.009~0.15MHz



18:25:54 28.05.2023

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



18:26:00 28.05.2023

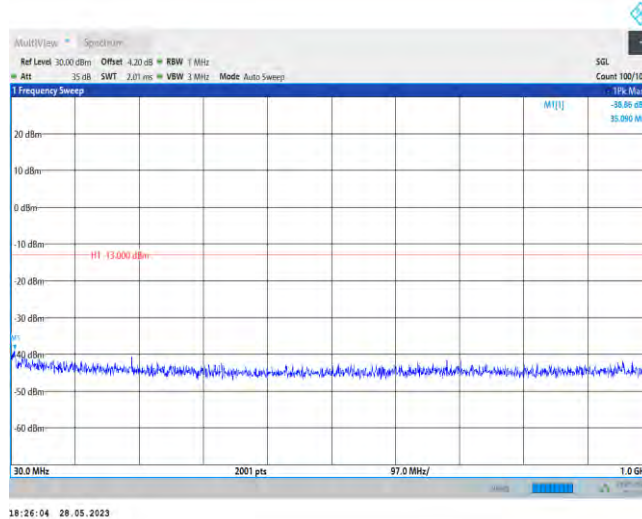


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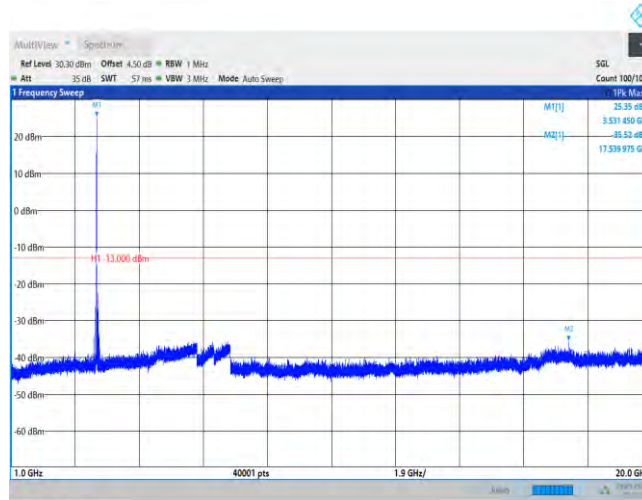
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Band42-20MHz-QPSK-42990-1RB#0-Range3:30~1000MHz



18:26:04 28.05.2023

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



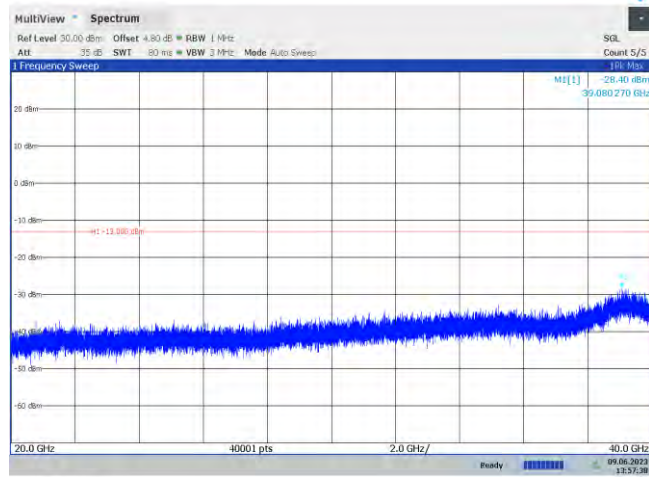
18:26:20 28.05.2023



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



13:57:38 09.06.2023



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Field Strength of Spurious Radiation

Test Band = LTE Band42_20MHz_TM1

Test Channel = Low3450-3550 ANT3

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	40.14	-43.88	35.96	-63.03	-13.00	50.03	152	104	Horizontal
2	9144.425	37.25	-40.21	38.30	-59.91	-13.00	46.91	122	3	Horizontal
3	9775.775	35.21	-39.16	38.25	-60.97	-13.00	47.97	136	104	Horizontal
4	10353.2700	34.01	-38.84	38.85	-61.24	-13.00	48.24	147	225	Horizontal
5	13804.3600	29.54	-36.22	39.96	-61.97	-13.00	48.97	263	360	Horizontal
6	17255.4500	31.62	-35.06	38.68	-60.02	-13.00	47.02	259	13	Horizontal

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	40.25	-43.88	35.96	-62.92	-13.00	49.92	155	357	Vertical
2	8759.175	38.32	-41.22	38.01	-60.15	-13.00	47.15	174	270	Vertical
3	9254.25	37.27	-40.02	38.38	-59.62	-13.00	46.62	165	58	Vertical
4	10353.2700	34.02	-38.84	38.85	-61.23	-13.00	48.23	148	104	Vertical
5	13804.3600	29.35	-36.22	39.96	-62.16	-13.00	49.16	266	2	Vertical
6	17255.4500	30.75	-35.06	38.68	-60.89	-13.00	47.89	193	89	Vertical



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Test Band = LTE Band42_20MHz_TM1

Test Channel = Mid3450-3550 ANT3

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	39.88	-43.15	36.06	-62.47	-13.00	49.47	154	359	Horizontal
2	8809.775	38.09	-41.12	38.09	-60.20	-13.00	47.20	147	73	Horizontal
3	9323.25	37.01	-40.04	38.43	-59.85	-13.00	46.85	126	104	Horizontal
4	10473.2700	33.71	-38.75	38.93	-61.37	-13.00	48.37	187	360	Horizontal
5	13964.3600	29.07	-35.06	40.11	-61.14	-13.00	48.14	263	359	Horizontal
6	17455.4500	30.49	-34.25	39.05	-59.98	-13.00	46.98	214	147	Horizontal

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	40.90	-43.15	36.06	-61.45	-13.00	48.45	255	60	Vertical
2	8708.575	38.66	-41.32	37.93	-59.99	-13.00	46.99	142	166	Vertical
3	9411.225	36.88	-39.92	38.49	-59.82	-13.00	46.82	126	347	Vertical
4	10473.2700	33.51	-38.75	38.93	-61.57	-13.00	48.57	147	212	Vertical
5	13964.3600	28.91	-35.06	40.11	-61.30	-13.00	48.30	188	31	Vertical
6	17455.4500	31.23	-34.25	39.05	-59.24	-13.00	46.24	236	257	Vertical



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Test Band = LTE Band42_20MHz_TM1

Test Channel = High3450-3550 ANT3

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	40.25	-43.41	36.24	-62.18	-13.00	49.18	152	4	Horizontal
2	8649.35	38.51	-41.11	37.83	-60.03	-13.00	47.03	184	150	Horizontal
3	9881.575	35.47	-39.17	38.33	-60.63	-13.00	47.63	166	330	Horizontal
4	10593.2700	32.65	-38.06	39.05	-61.62	-13.00	48.62	148	255	Horizontal
5	14124.3600	27.30	-35.87	40.20	-63.63	-13.00	50.63	258	225	Horizontal
6	17655.4500	29.67	-33.40	39.89	-59.10	-13.00	46.10	231	360	Horizontal

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	39.54	-43.41	36.24	-62.89	-13.00	49.89	145	272	Vertical
2	8613.7	38.29	-40.95	37.77	-60.15	-13.00	47.15	174	135	Vertical
3	9634.9	36.32	-39.30	38.40	-59.84	-13.00	46.84	133	209	Vertical
4	10593.2700	32.91	-38.06	39.05	-61.36	-13.00	48.36	187	135	Vertical
5	14124.3600	27.57	-35.87	40.20	-63.36	-13.00	50.36	263	286	Vertical
6	17655.4500	29.21	-33.40	39.89	-59.56	-13.00	46.56	155	89	Vertical



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Test Band = LTE Band42_20MHz_TM1

Test Channel = Low3450-3550 ANT5

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	39.80	-43.88	35.96	-63.37	-13.00	50.37	148	314	Horizontal
2	10353.2700	33.78	-38.84	38.85	-61.47	-13.00	48.47	178	359	Horizontal
3	12210.325	31.11	-37.06	39.13	-62.08	-13.00	49.08	215	255	Horizontal
4	13168.85	29.97	-36.58	39.91	-61.97	-13.00	48.97	136	90	Horizontal
5	13804.3600	29.03	-36.22	39.96	-62.48	-13.00	49.48	263	240	Horizontal
6	17255.4500	30.50	-35.06	38.68	-61.14	-13.00	48.14	291	209	Horizontal

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	40.17	-43.88	35.96	-63.00	-13.00	50.00	152	151	Vertical
2	8669.475	38.72	-41.20	37.86	-59.88	-13.00	46.88	174	105	Vertical
3	9359.475	36.46	-39.98	38.46	-60.32	-13.00	47.32	166	8	Vertical
4	10353.2700	33.02	-38.84	38.85	-62.23	-13.00	49.23	147	347	Vertical
5	13804.3600	29.29	-36.22	39.96	-62.22	-13.00	49.22	163	196	Vertical
6	17255.4500	30.53	-35.06	38.68	-61.11	-13.00	48.11	158	151	Vertical



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Test Band = LTE Band42_20MHz_TM1

Test Channel = Mid3450-3550 ANT5

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	39.22	-43.15	36.06	-63.13	-13.00	50.13	231	331	Horizontal
2	8663.725	38.67	-41.18	37.86	-59.91	-13.00	46.91	102	240	Horizontal
3	9108.2	37.16	-40.37	38.28	-60.20	-13.00	47.20	133	30	Horizontal
4	10473.2700	33.52	-38.75	38.93	-61.56	-13.00	48.56	147	357	Horizontal
5	13964.3600	28.62	-35.06	40.11	-61.59	-13.00	48.59	188	60	Horizontal
6	17455.4500	31.72	-34.25	39.05	-58.75	-13.00	45.75	163	60	Horizontal

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	40.88	-43.15	36.06	-61.47	-13.00	48.47	214	28	Vertical
2	8605.075	38.35	-40.91	37.76	-60.06	-13.00	47.06	214	299	Vertical
3	9140.4	37.62	-40.22	38.30	-59.57	-13.00	46.57	126	270	Vertical
4	10473.2700	32.86	-38.75	38.93	-62.22	-13.00	49.22	158	7	Vertical
5	13964.3600	29.32	-35.06	40.11	-60.89	-13.00	47.89	166	0	Vertical
6	17455.4500	30.39	-34.25	39.05	-60.08	-13.00	47.08	163	73	Vertical



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Test Band = LTE Band42_20MHz_TM1

Test Channel = High3450-3550 ANT5

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	39.57	-43.41	36.24	-62.86	-13.00	49.86	123	271	Horizontal
2	8250.875	39.06	-42.01	37.14	-61.06	-13.00	48.06	142	330	Horizontal
3	9101.875	37.22	-40.40	38.27	-60.17	-13.00	47.17	166	104	Horizontal
4	10593.2700	32.62	-38.06	39.05	-61.65	-13.00	48.65	158	90	Horizontal
5	14124.3600	27.28	-35.87	40.20	-63.65	-13.00	50.65	169	271	Horizontal
6	17655.4500	29.04	-33.40	39.89	-59.73	-13.00	46.73	234	29	Horizontal

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	39.03	-43.41	36.24	-63.40	-13.00	50.40	104	17	Vertical
2	8690.75	38.81	-41.30	37.90	-59.85	-13.00	46.85	185	165	Vertical
3	9597.525	36.17	-39.22	38.44	-59.87	-13.00	46.87	163	0	Vertical
4	10593.2700	32.71	-38.06	39.05	-61.56	-13.00	48.56	152	316	Vertical
5	14124.3600	26.85	-35.87	40.20	-64.08	-13.00	51.08	169	30	Vertical
6	17655.4500	28.90	-33.40	39.89	-59.87	-13.00	46.87	232	316	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	-4.40	-0.001257	PASS
Band42	20MHz	QPSK	42590	100RB#0	VN	NT	-7.20	-0.002057	PASS
Band42	20MHz	QPSK	42590	100RB#0	VH	NT	-5.20	-0.001486	PASS

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band42	20MHz	QPSK	42590	100RB#0	NV	-30	-5.10	-0.001457	PASS
Band42	20MHz	QPSK	42590	100RB#0	NV	-20	-4.80	-0.001371	PASS
Band42	20MHz	QPSK	42590	100RB#0	NV	-10	-4.60	-0.001653	PASS
Band42	20MHz	QPSK	42590	100RB#0	NV	0	-2.90	-0.000829	PASS
Band42	20MHz	QPSK	42590	100RB#0	NV	10	-3.20	-0.000914	PASS
Band42	20MHz	QPSK	42590	100RB#0	NV	20	-4.00	-0.001143	PASS
Band42	20MHz	QPSK	42590	100RB#0	NV	30	-2.70	-0.000771	PASS
Band42	20MHz	QPSK	42590	100RB#0	NV	40	-4.30	-0.001229	PASS
Band42	20MHz	QPSK	42590	100RB#0	NV	50	-4.80	-0.001371	PASS

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