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Rev.: 01
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Appendix B.16

LTE Band 42(3450-3550)



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Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	EIRP(dBm)	Limit(dBm)	Verdict
Band42	5MHz	QPSK	42115	1RB#0	25.36	19.26	30	PASS
Band42	5MHz	QPSK	42115	1RB#12	25.48	19.38	30	PASS
Band42	5MHz	QPSK	42115	1RB#24	25.47	19.37	30	PASS
Band42	5MHz	QPSK	42115	25RB#0	24.58	18.48	30	PASS
Band42	5MHz	QPSK	42590	1RB#0	25.38	19.28	30	PASS
Band42	5MHz	QPSK	42590	1RB#12	25.53	19.43	30	PASS
Band42	5MHz	QPSK	42590	1RB#24	25.46	19.36	30	PASS
Band42	5MHz	QPSK	42590	25RB#0	24.46	18.36	30	PASS
Band42	5MHz	QPSK	43065	1RB#0	25.63	19.53	30	PASS
Band42	5MHz	QPSK	43065	1RB#12	25.5	19.4	30	PASS
Band42	5MHz	QPSK	43065	1RB#24	25.46	19.36	30	PASS
Band42	5MHz	QPSK	43065	25RB#0	24.5	18.4	30	PASS
Band42	5MHz	16QAM	42115	1RB#0	24.49	18.39	30	PASS
Band42	5MHz	16QAM	42115	1RB#12	24.6	18.5	30	PASS
Band42	5MHz	16QAM	42115	1RB#24	24.6	18.5	30	PASS
Band42	5MHz	16QAM	42115	25RB#0	23.6	17.5	30	PASS
Band42	5MHz	16QAM	42590	1RB#0	24.5	18.4	30	PASS
Band42	5MHz	16QAM	42590	1RB#12	24.63	18.53	30	PASS
Band42	5MHz	16QAM	42590	1RB#24	24.66	18.56	30	PASS
Band42	5MHz	16QAM	42590	25RB#0	23.5	17.4	30	PASS
Band42	5MHz	16QAM	43065	1RB#0	24.54	18.44	30	PASS
Band42	5MHz	16QAM	43065	1RB#12	24.75	18.65	30	PASS
Band42	5MHz	16QAM	43065	1RB#24	24.59	18.49	30	PASS
Band42	5MHz	16QAM	43065	25RB#0	23.56	17.46	30	PASS
Band42	5MHz	64QAM	42115	1RB#0	23.82	17.72	30	PASS
Band42	5MHz	64QAM	42115	1RB#12	23.84	17.74	30	PASS
Band42	5MHz	64QAM	42115	1RB#24	23.86	17.76	30	PASS



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Band42	5MHz	64QAM	42115	25RB#0	22.63	16.53	30	PASS
Band42	5MHz	64QAM	42590	1RB#0	23.78	17.68	30	PASS
Band42	5MHz	64QAM	42590	1RB#12	23.96	17.86	30	PASS
Band42	5MHz	64QAM	42590	1RB#24	23.89	17.79	30	PASS
Band42	5MHz	64QAM	42590	25RB#0	22.52	16.42	30	PASS
Band42	5MHz	64QAM	43065	1RB#0	23.83	17.73	30	PASS
Band42	5MHz	64QAM	43065	1RB#12	23.85	17.75	30	PASS
Band42	5MHz	64QAM	43065	1RB#24	23.83	17.73	30	PASS
Band42	5MHz	64QAM	43065	25RB#0	22.58	16.48	30	PASS
Band42	5MHz	256QAM	42115	1RB#0	20.5	14.4	30	PASS
Band42	5MHz	256QAM	42115	1RB#12	20.7	14.6	30	PASS
Band42	5MHz	256QAM	42115	1RB#24	20.81	14.71	30	PASS
Band42	5MHz	256QAM	42115	25RB#0	20.62	14.52	30	PASS
Band42	5MHz	256QAM	42590	1RB#0	20.49	14.39	30	PASS
Band42	5MHz	256QAM	42590	1RB#12	20.74	14.64	30	PASS
Band42	5MHz	256QAM	42590	1RB#24	20.72	14.62	30	PASS
Band42	5MHz	256QAM	42590	25RB#0	20.49	14.39	30	PASS
Band42	5MHz	256QAM	43065	1RB#0	20.59	14.49	30	PASS
Band42	5MHz	256QAM	43065	1RB#12	20.68	14.58	30	PASS
Band42	5MHz	256QAM	43065	1RB#24	20.69	14.59	30	PASS
Band42	5MHz	256QAM	43065	25RB#0	20.59	14.49	30	PASS
Band42	10MHz	QPSK	42140	1RB#0	23.97	17.87	30	PASS
Band42	10MHz	QPSK	42140	1RB#24	24.06	17.96	30	PASS
Band42	10MHz	QPSK	42140	1RB#49	24.01	17.91	30	PASS
Band42	10MHz	QPSK	42140	50RB#0	23.16	17.06	30	PASS
Band42	10MHz	QPSK	42590	1RB#0	25.45	19.35	30	PASS
Band42	10MHz	QPSK	42590	1RB#24	24.01	17.91	30	PASS
Band42	10MHz	QPSK	42590	1RB#49	23.95	17.85	30	PASS
Band42	10MHz	QPSK	42590	50RB#0	22.94	16.84	30	PASS
Band42	10MHz	QPSK	43040	1RB#0	25.66	19.56	30	PASS
Band42	10MHz	QPSK	43040	1RB#24	24.02	17.92	30	PASS
Band42	10MHz	QPSK	43040	1RB#49	24	17.9	30	PASS
Band42	10MHz	QPSK	43040	50RB#0	22.98	16.88	30	PASS



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Band42	10MHz	16QAM	42140	1RB#0	23.09	16.99	30	PASS
Band42	10MHz	16QAM	42140	1RB#24	23.24	17.14	30	PASS
Band42	10MHz	16QAM	42140	1RB#49	23.07	16.97	30	PASS
Band42	10MHz	16QAM	42140	50RB#0	22.18	16.08	30	PASS
Band42	10MHz	16QAM	42590	1RB#0	23	16.9	30	PASS
Band42	10MHz	16QAM	42590	1RB#24	23.1	17	30	PASS
Band42	10MHz	16QAM	42590	1RB#49	23.07	16.97	30	PASS
Band42	10MHz	16QAM	42590	50RB#0	22.02	15.92	30	PASS
Band42	10MHz	16QAM	43040	1RB#0	22.99	16.89	30	PASS
Band42	10MHz	16QAM	43040	1RB#24	23.12	17.02	30	PASS
Band42	10MHz	16QAM	43040	1RB#49	23.12	17.02	30	PASS
Band42	10MHz	16QAM	43040	50RB#0	22	15.9	30	PASS
Band42	10MHz	64QAM	42140	1RB#0	22.41	16.31	30	PASS
Band42	10MHz	64QAM	42140	1RB#24	22.44	16.34	30	PASS
Band42	10MHz	64QAM	42140	1RB#49	22.48	16.38	30	PASS
Band42	10MHz	64QAM	42140	50RB#0	21.13	15.03	30	PASS
Band42	10MHz	64QAM	42590	1RB#0	22.37	16.27	30	PASS
Band42	10MHz	64QAM	42590	1RB#24	22.44	16.34	30	PASS
Band42	10MHz	64QAM	42590	1RB#49	22.31	16.21	30	PASS
Band42	10MHz	64QAM	42590	50RB#0	21	14.9	30	PASS
Band42	10MHz	64QAM	43040	1RB#0	22.34	16.24	30	PASS
Band42	10MHz	64QAM	43040	1RB#24	22.44	16.34	30	PASS
Band42	10MHz	64QAM	43040	1RB#49	22.39	16.29	30	PASS
Band42	10MHz	64QAM	43040	50RB#0	21	14.9	30	PASS
Band42	10MHz	256QAM	42140	1RB#0	19.17	13.07	30	PASS
Band42	10MHz	256QAM	42140	1RB#24	19.25	13.15	30	PASS
Band42	10MHz	256QAM	42140	1RB#49	19.06	12.96	30	PASS
Band42	10MHz	256QAM	42140	50RB#0	19.19	13.09	30	PASS
Band42	10MHz	256QAM	42590	1RB#0	19.11	13.01	30	PASS
Band42	10MHz	256QAM	42590	1RB#24	19.26	13.16	30	PASS
Band42	10MHz	256QAM	42590	1RB#49	19.08	12.98	30	PASS
Band42	10MHz	256QAM	42590	50RB#0	19.03	12.93	30	PASS
Band42	10MHz	256QAM	43040	1RB#0	19.04	12.94	30	PASS



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Band42	10MHz	256QAM	43040	1RB#24	19.16	13.06	30	PASS
Band42	10MHz	256QAM	43040	1RB#49	19.12	13.02	30	PASS
Band42	10MHz	256QAM	43040	50RB#0	19.04	12.94	30	PASS
Band42	15MHz	QPSK	42165	1RB#0	23.76	17.66	30	PASS
Band42	15MHz	QPSK	42165	1RB#38	23.83	17.73	30	PASS
Band42	15MHz	QPSK	42165	1RB#74	23.86	17.76	30	PASS
Band42	15MHz	QPSK	42165	75RB#0	23	16.9	30	PASS
Band42	15MHz	QPSK	42590	1RB#0	25.34	19.24	30	PASS
Band42	15MHz	QPSK	42590	1RB#38	23.69	17.59	30	PASS
Band42	15MHz	QPSK	42590	1RB#74	23.7	17.6	30	PASS
Band42	15MHz	QPSK	42590	75RB#0	22.84	16.74	30	PASS
Band42	15MHz	QPSK	43015	1RB#0	25.54	19.44	30	PASS
Band42	15MHz	QPSK	43015	1RB#38	23.81	17.71	30	PASS
Band42	15MHz	QPSK	43015	1RB#74	23.75	17.65	30	PASS
Band42	15MHz	QPSK	43015	75RB#0	22.9	16.8	30	PASS
Band42	15MHz	16QAM	42165	1RB#0	22.82	16.72	30	PASS
Band42	15MHz	16QAM	42165	1RB#38	22.95	16.85	30	PASS
Band42	15MHz	16QAM	42165	1RB#74	22.98	16.88	30	PASS
Band42	15MHz	16QAM	42165	75RB#0	21.99	15.89	30	PASS
Band42	15MHz	16QAM	42590	1RB#0	22.73	16.63	30	PASS
Band42	15MHz	16QAM	42590	1RB#38	22.88	16.78	30	PASS
Band42	15MHz	16QAM	42590	1RB#74	22.83	16.73	30	PASS
Band42	15MHz	16QAM	42590	75RB#0	21.84	15.74	30	PASS
Band42	15MHz	16QAM	43015	1RB#0	22.81	16.71	30	PASS
Band42	15MHz	16QAM	43015	1RB#38	22.9	16.8	30	PASS
Band42	15MHz	16QAM	43015	1RB#74	22.92	16.82	30	PASS
Band42	15MHz	16QAM	43015	75RB#0	21.91	15.81	30	PASS
Band42	15MHz	64QAM	42165	1RB#0	22.03	15.93	30	PASS
Band42	15MHz	64QAM	42165	1RB#38	22.28	16.18	30	PASS
Band42	15MHz	64QAM	42165	1RB#74	22.27	16.17	30	PASS
Band42	15MHz	64QAM	42165	75RB#0	21.04	14.94	30	PASS
Band42	15MHz	64QAM	42590	1RB#0	22.07	15.97	30	PASS
Band42	15MHz	64QAM	42590	1RB#38	22.18	16.08	30	PASS



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Band42	15MHz	64QAM	42590	1RB#74	22.14	16.04	30	PASS
Band42	15MHz	64QAM	42590	75RB#0	20.89	14.79	30	PASS
Band42	15MHz	64QAM	43015	1RB#0	21.95	15.85	30	PASS
Band42	15MHz	64QAM	43015	1RB#38	22.18	16.08	30	PASS
Band42	15MHz	64QAM	43015	1RB#74	22.04	15.94	30	PASS
Band42	15MHz	64QAM	43015	75RB#0	20.92	14.82	30	PASS
Band42	15MHz	256QAM	42165	1RB#0	18.95	12.85	30	PASS
Band42	15MHz	256QAM	42165	1RB#38	19.03	12.93	30	PASS
Band42	15MHz	256QAM	42165	1RB#74	19.11	13.01	30	PASS
Band42	15MHz	256QAM	42165	75RB#0	19.01	12.91	30	PASS
Band42	15MHz	256QAM	42590	1RB#0	18.81	12.71	30	PASS
Band42	15MHz	256QAM	42590	1RB#38	18.9	12.8	30	PASS
Band42	15MHz	256QAM	42590	1RB#74	18.98	12.88	30	PASS
Band42	15MHz	256QAM	42590	75RB#0	18.8	12.7	30	PASS
Band42	15MHz	256QAM	43015	1RB#0	18.99	12.89	30	PASS
Band42	15MHz	256QAM	43015	1RB#38	19.07	12.97	30	PASS
Band42	15MHz	256QAM	43015	1RB#74	19.13	13.03	30	PASS
Band42	15MHz	256QAM	43015	75RB#0	18.95	12.85	30	PASS
Band42	20MHz	QPSK	42190	1RB#0	23.76	17.66	30	PASS
Band42	20MHz	QPSK	42190	1RB#49	23.96	17.86	30	PASS
Band42	20MHz	QPSK	42190	1RB#99	23.95	17.85	30	PASS
Band42	20MHz	QPSK	42190	100RB#0	23.08	16.98	30	PASS
Band42	20MHz	QPSK	42590	1RB#0	25.41	19.31	30	PASS
Band42	20MHz	QPSK	42590	1RB#49	23.75	17.65	30	PASS
Band42	20MHz	QPSK	42590	1RB#99	23.71	17.61	30	PASS
Band42	20MHz	QPSK	42590	100RB#0	22.87	16.77	30	PASS
Band42	20MHz	QPSK	42990	1RB#0	25.46	19.36	30	PASS
Band42	20MHz	QPSK	42990	1RB#49	23.79	17.69	30	PASS
Band42	20MHz	QPSK	42990	1RB#99	23.76	17.66	30	PASS
Band42	20MHz	QPSK	42990	100RB#0	22.84	16.74	30	PASS
Band42	20MHz	16QAM	42190	1RB#0	22.9	16.8	30	PASS
Band42	20MHz	16QAM	42190	1RB#49	23.09	16.99	30	PASS
Band42	20MHz	16QAM	42190	1RB#99	23.15	17.05	30	PASS



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Band42	20MHz	16QAM	42190	100RB#0	22.1	16	30	PASS
Band42	20MHz	16QAM	42590	1RB#0	22.91	16.81	30	PASS
Band42	20MHz	16QAM	42590	1RB#49	22.94	16.84	30	PASS
Band42	20MHz	16QAM	42590	1RB#99	22.86	16.76	30	PASS
Band42	20MHz	16QAM	42590	100RB#0	21.87	15.77	30	PASS
Band42	20MHz	16QAM	42990	1RB#0	22.75	16.65	30	PASS
Band42	20MHz	16QAM	42990	1RB#49	22.92	16.82	30	PASS
Band42	20MHz	16QAM	42990	1RB#99	22.86	16.76	30	PASS
Band42	20MHz	16QAM	42990	100RB#0	21.83	15.73	30	PASS
Band42	20MHz	64QAM	42190	1RB#0	22.25	16.15	30	PASS
Band42	20MHz	64QAM	42190	1RB#49	22.35	16.25	30	PASS
Band42	20MHz	64QAM	42190	1RB#99	22.3	16.2	30	PASS
Band42	20MHz	64QAM	42190	100RB#0	21.12	15.02	30	PASS
Band42	20MHz	64QAM	42590	1RB#0	22.07	15.97	30	PASS
Band42	20MHz	64QAM	42590	1RB#49	22.2	16.1	30	PASS
Band42	20MHz	64QAM	42590	1RB#99	22.22	16.12	30	PASS
Band42	20MHz	64QAM	42590	100RB#0	20.9	14.8	30	PASS
Band42	20MHz	64QAM	42990	1RB#0	21.96	15.86	30	PASS
Band42	20MHz	64QAM	42990	1RB#49	22.31	16.21	30	PASS
Band42	20MHz	64QAM	42990	1RB#99	22.07	15.97	30	PASS
Band42	20MHz	64QAM	42990	100RB#0	20.84	14.74	30	PASS
Band42	20MHz	256QAM	42190	1RB#0	19.04	12.94	30	PASS
Band42	20MHz	256QAM	42190	1RB#49	19.19	13.09	30	PASS
Band42	20MHz	256QAM	42190	1RB#99	19.17	13.07	30	PASS
Band42	20MHz	256QAM	42190	100RB#0	19.07	12.97	30	PASS
Band42	20MHz	256QAM	42590	1RB#0	18.98	12.88	30	PASS
Band42	20MHz	256QAM	42590	1RB#49	18.95	12.85	30	PASS
Band42	20MHz	256QAM	42590	1RB#99	19.05	12.95	30	PASS
Band42	20MHz	256QAM	42590	100RB#0	18.89	12.79	30	PASS
Band42	20MHz	256QAM	42990	1RB#0	18.94	12.84	30	PASS
Band42	20MHz	256QAM	42990	1RB#49	19.01	12.91	30	PASS
Band42	20MHz	256QAM	42990	1RB#99	19.09	12.99	30	PASS
Band42	20MHz	256QAM	42990	100RB#0	18.87	12.77	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	9.00	13	PASS
Band42	20MHz	QPSK	42590	100RB#0	9.28	13	PASS
Band42	20MHz	QPSK	42990	100RB#0	10.48	13	PASS
Band42	20MHz	16QAM	42190	100RB#0	10.02	13	PASS
Band42	20MHz	16QAM	42590	100RB#0	10.34	13	PASS
Band42	20MHz	16QAM	42990	100RB#0	10.24	13	PASS
Band42	20MHz	64QAM	42190	100RB#0	10.40	13	PASS
Band42	20MHz	64QAM	42590	100RB#0	10.46	13	PASS
Band42	20MHz	64QAM	42990	100RB#0	10.42	13	PASS
Band42	20MHz	256QAM	42190	100RB#0	10.46	13	PASS
Band42	20MHz	256QAM	42590	100RB#0	10.48	13	PASS
Band42	20MHz	256QAM	42990	100RB#0	10.48	13	PASS



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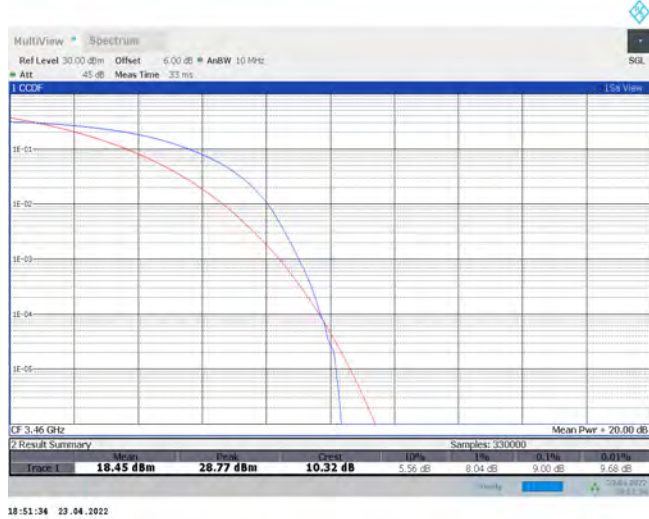
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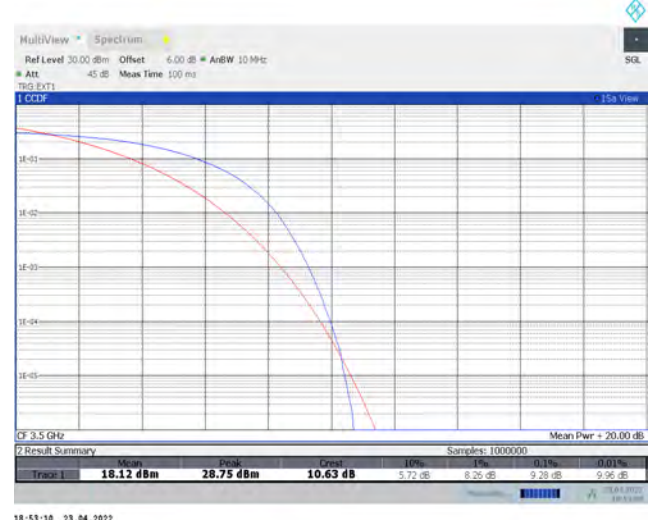
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Test Graphs

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



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



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



18:57:25 23.04.2022

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



18:51:58 23.04.2022



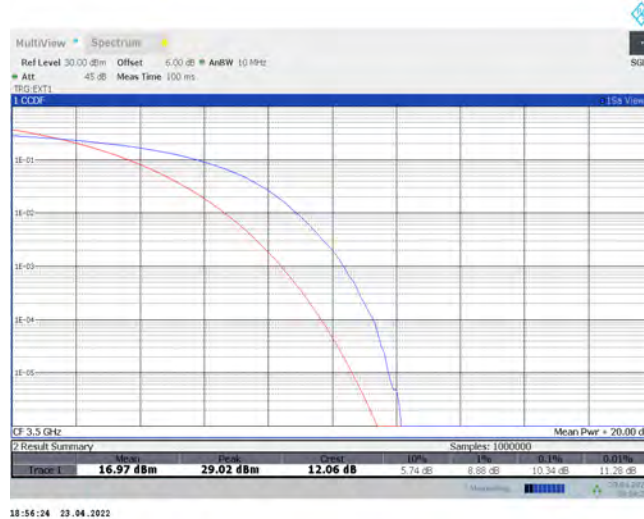
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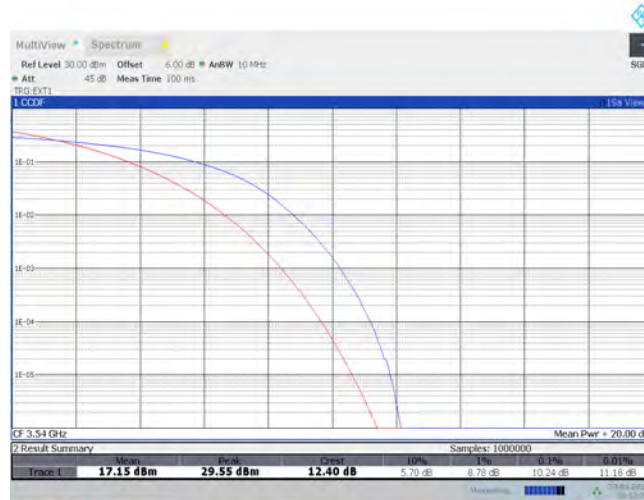
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Band42-20MHz-16QAM-42590-100RB#0



18:56:24 23.04.2022

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



18:57:57 23.04.2022



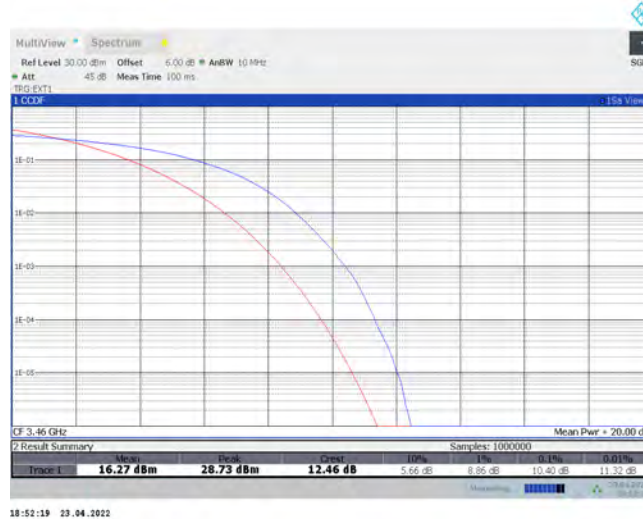
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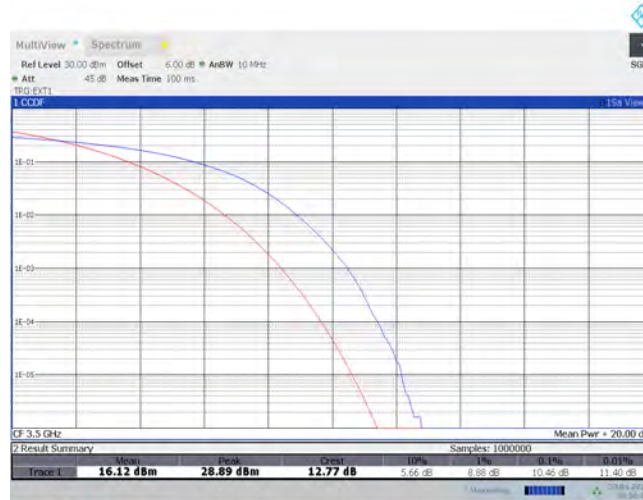
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Band42-20MHz-64QAM-42190-100RB#0



18:52:19 23.04.2022

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



18:56:43 23.04.2022



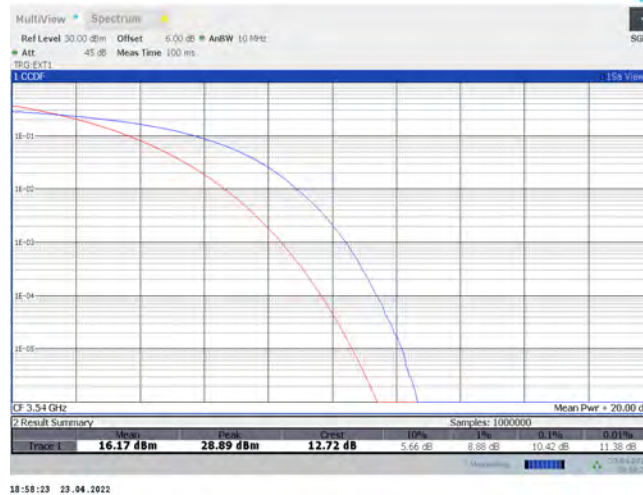
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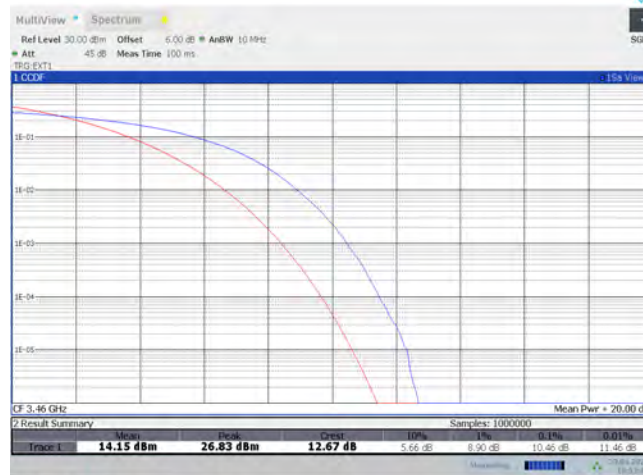
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Band42-20MHz-64QAM-42990-100RB#0



18:58:23 23.04.2022

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



18:52:41 23.04.2022



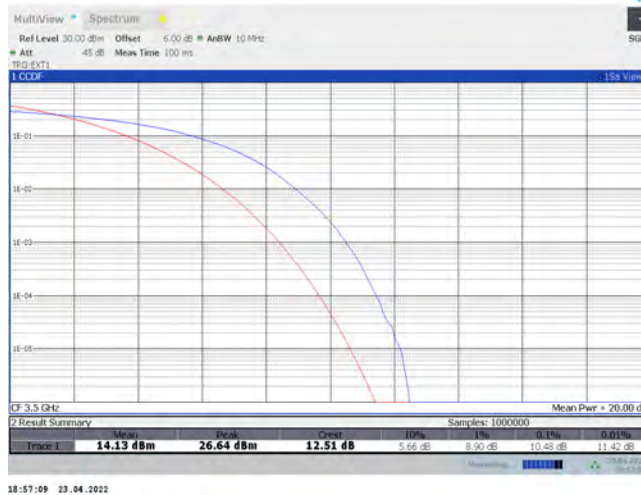
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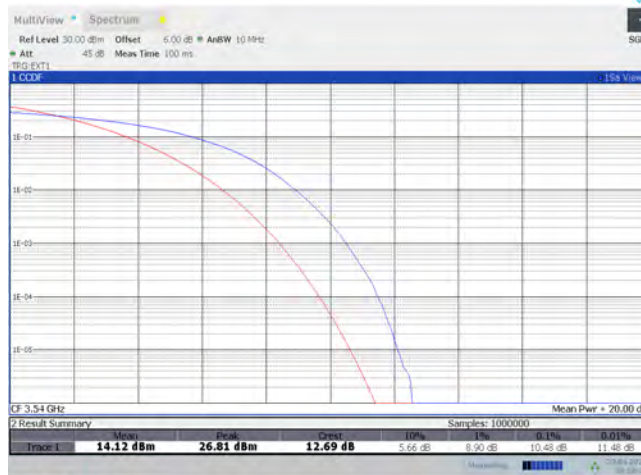
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Band42-20MHz-256QAM-42590-100RB#0



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



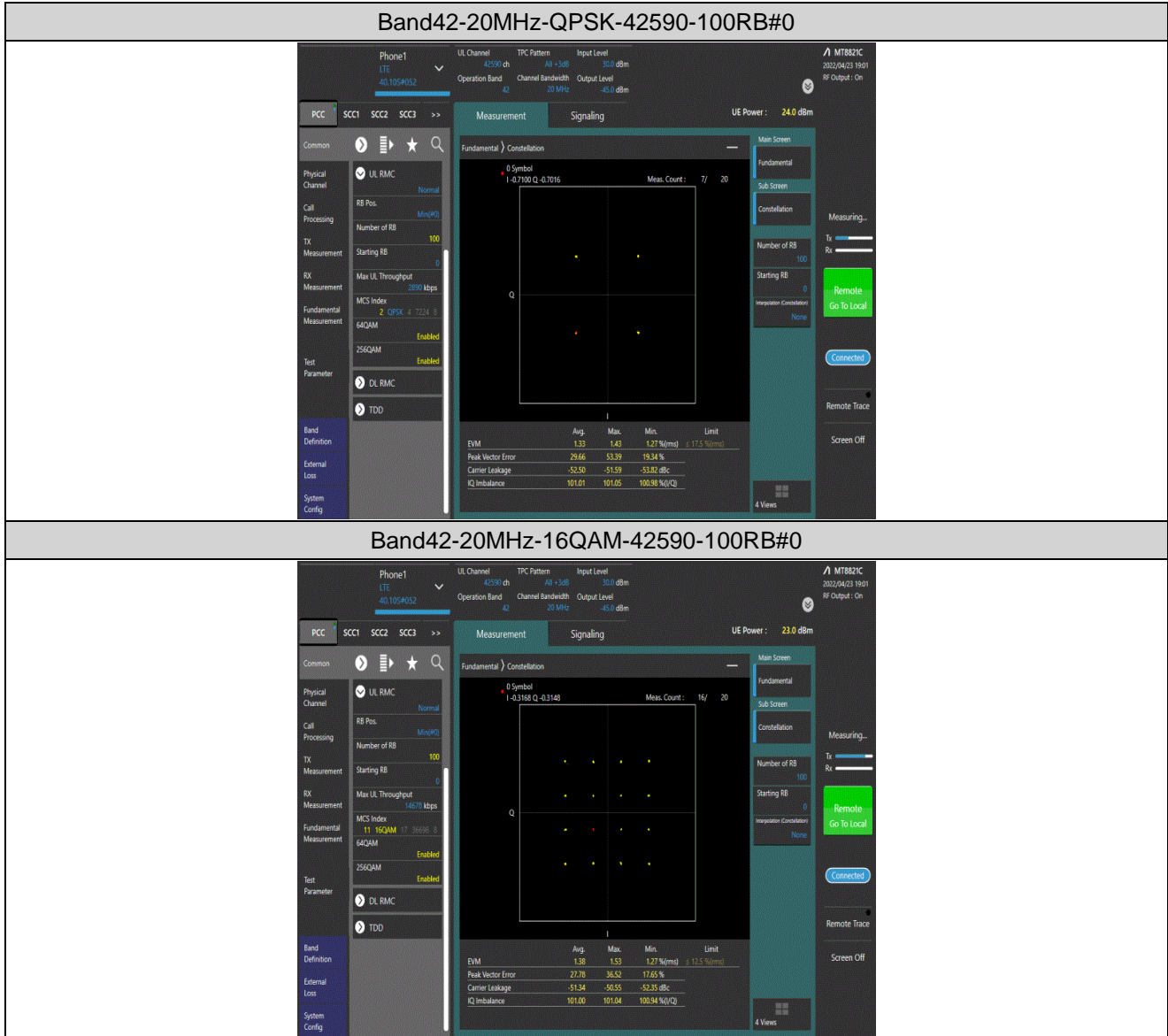
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Test Graphs

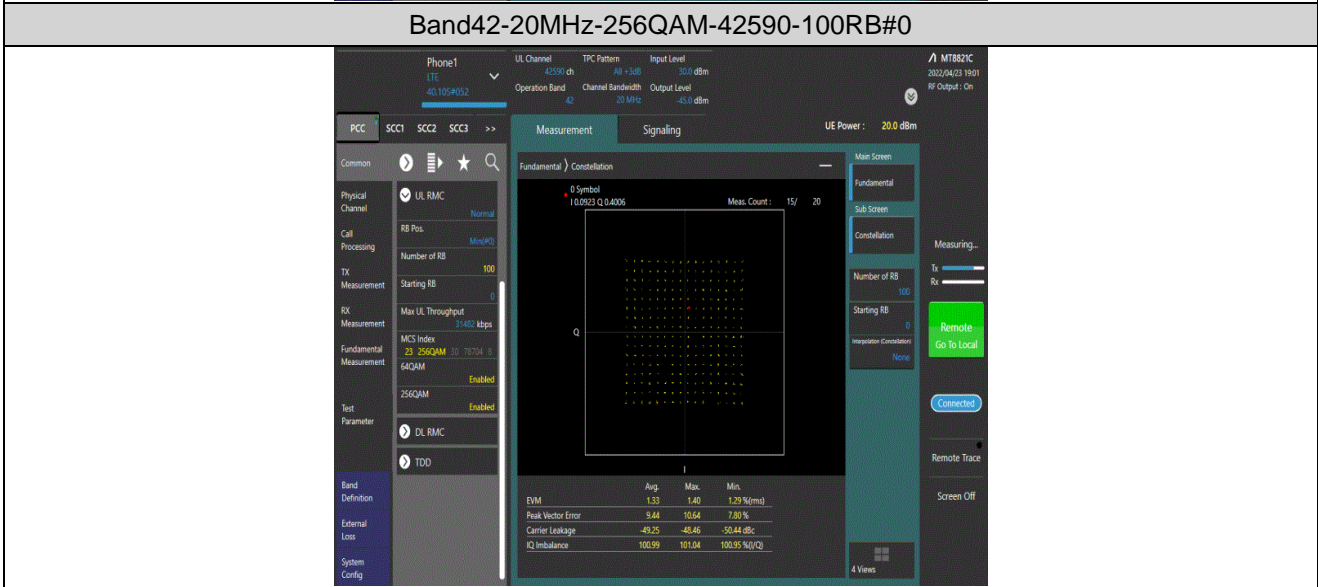
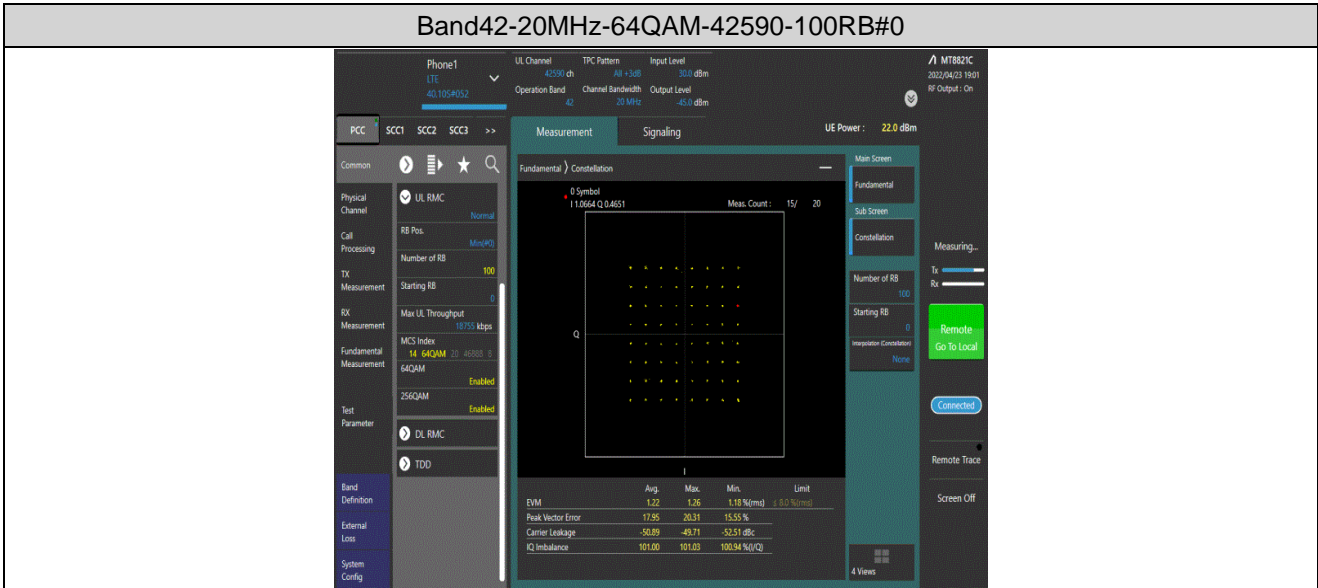


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26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band42	5MHz	QPSK	42115	25RB#0	4.514	5.83	PASS
Band42	5MHz	QPSK	42590	25RB#0	4.510	5.49	PASS
Band42	5MHz	QPSK	43065	25RB#0	4.513	5.41	PASS
Band42	5MHz	16QAM	42115	25RB#0	4.511	5.37	PASS
Band42	5MHz	16QAM	42590	25RB#0	4.518	5.30	PASS
Band42	5MHz	16QAM	43065	25RB#0	4.516	5.25	PASS
Band42	5MHz	64QAM	42115	25RB#0	4.511	5.32	PASS
Band42	5MHz	64QAM	42590	25RB#0	4.514	5.57	PASS
Band42	5MHz	64QAM	43065	25RB#0	4.510	5.31	PASS
Band42	5MHz	256QAM	42115	25RB#0	4.508	5.34	PASS
Band42	5MHz	256QAM	42590	25RB#0	4.511	5.58	PASS
Band42	5MHz	256QAM	43065	25RB#0	4.517	5.41	PASS
Band42	10MHz	QPSK	42140	50RB#0	8.996	10.63	PASS
Band42	10MHz	QPSK	42590	50RB#0	9.000	10.20	PASS
Band42	10MHz	QPSK	43040	50RB#0	8.998	10.87	PASS
Band42	10MHz	16QAM	42140	50RB#0	8.989	10.67	PASS
Band42	10MHz	16QAM	42590	50RB#0	9.009	10.77	PASS
Band42	10MHz	16QAM	43040	50RB#0	8.988	10.27	PASS
Band42	10MHz	64QAM	42140	50RB#0	9.020	10.70	PASS
Band42	10MHz	64QAM	42590	50RB#0	8.985	10.97	PASS
Band42	10MHz	64QAM	43040	50RB#0	9.014	10.80	PASS
Band42	10MHz	256QAM	42140	50RB#0	9.015	10.17	PASS
Band42	10MHz	256QAM	42590	50RB#0	9.015	11.13	PASS
Band42	10MHz	256QAM	43040	50RB#0	9.016	10.33	PASS
Band42	15MHz	QPSK	42165	75RB#0	13.506	15.85	PASS
Band42	15MHz	QPSK	42590	75RB#0	13.499	16.00	PASS
Band42	15MHz	QPSK	43015	75RB#0	13.479	15.85	PASS
Band42	15MHz	16QAM	42165	75RB#0	13.527	15.80	PASS
Band42	15MHz	16QAM	42590	75RB#0	13.492	15.20	PASS
Band42	15MHz	16QAM	43015	75RB#0	13.473	16.15	PASS



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Rev.: 01

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Band42	15MHz	64QAM	42165	75RB#0	13.487	15.50	PASS
Band42	15MHz	64QAM	42590	75RB#0	13.489	16.10	PASS
Band42	15MHz	64QAM	43015	75RB#0	13.475	16.00	PASS
Band42	15MHz	256QAM	42165	75RB#0	13.521	16.00	PASS
Band42	15MHz	256QAM	42590	75RB#0	13.476	15.75	PASS
Band42	15MHz	256QAM	43015	75RB#0	13.504	16.15	PASS
Band42	20MHz	QPSK	42190	100RB#0	18.046	21.27	PASS
Band42	20MHz	QPSK	42590	100RB#0	18.020	22.40	PASS
Band42	20MHz	QPSK	42990	100RB#0	18.026	22.60	PASS
Band42	20MHz	16QAM	42190	100RB#0	18.042	22.13	PASS
Band42	20MHz	16QAM	42590	100RB#0	18.059	22.13	PASS
Band42	20MHz	16QAM	42990	100RB#0	18.034	20.80	PASS
Band42	20MHz	64QAM	42190	100RB#0	18.046	22.47	PASS
Band42	20MHz	64QAM	42590	100RB#0	18.008	21.67	PASS
Band42	20MHz	64QAM	42990	100RB#0	18.059	22.40	PASS
Band42	20MHz	256QAM	42190	100RB#0	18.055	22.60	PASS
Band42	20MHz	256QAM	42590	100RB#0	18.035	22.80	PASS
Band42	20MHz	256QAM	42990	100RB#0	18.020	21.27	PASS



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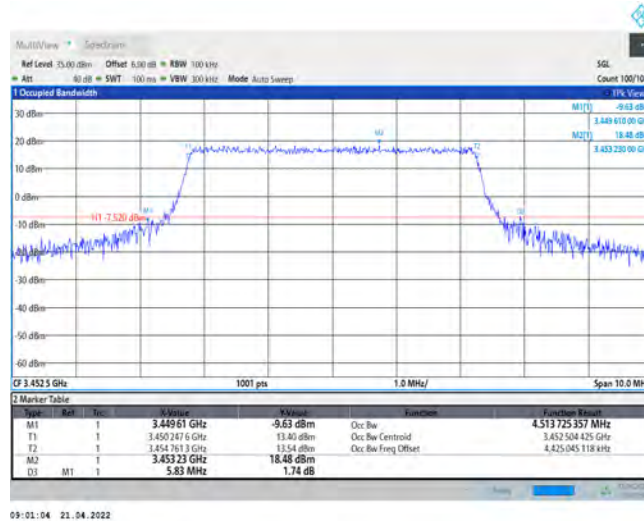
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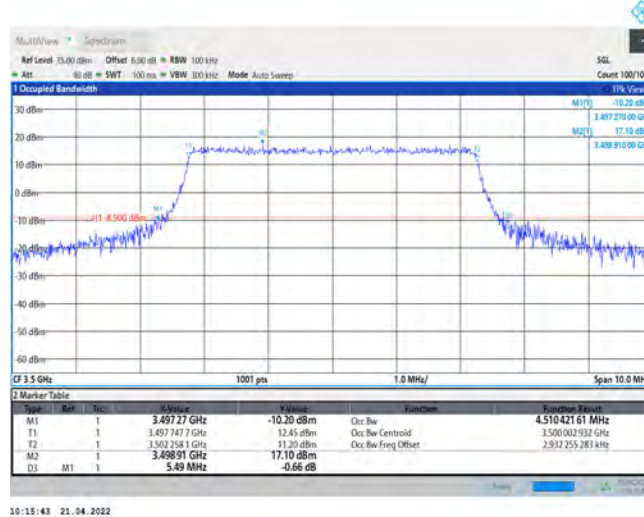
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Test Graphs

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



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

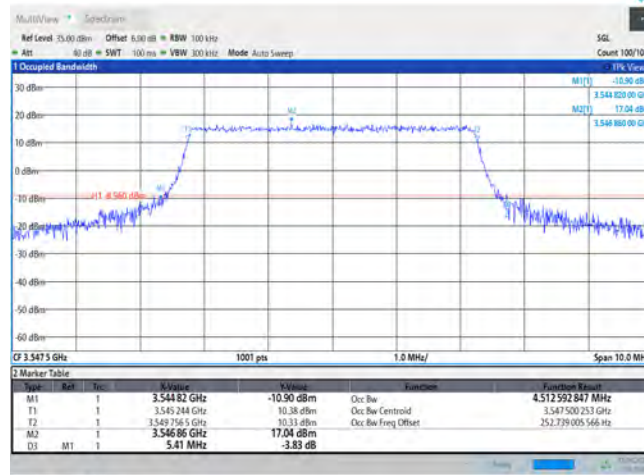


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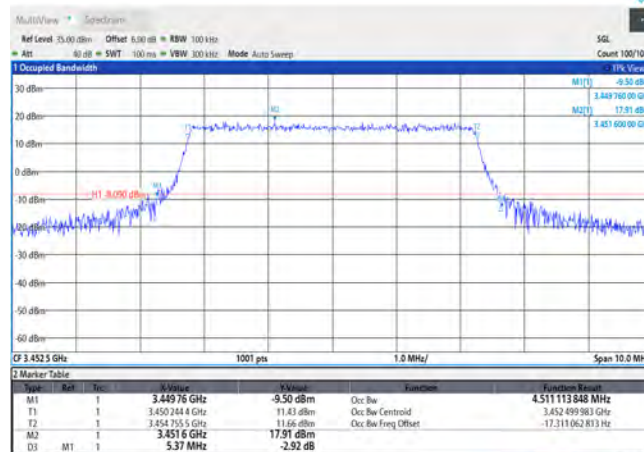
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Band42-5MHz-QPSK-43065-25RB#0



10:14:08 21.04.2022

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



09:01:29 21.04.2022



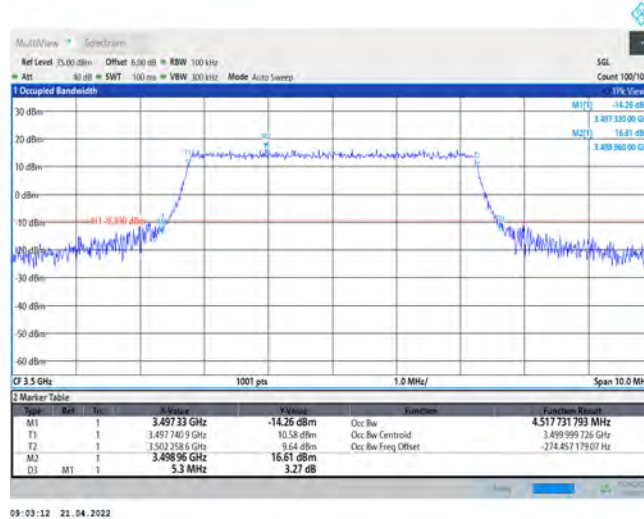
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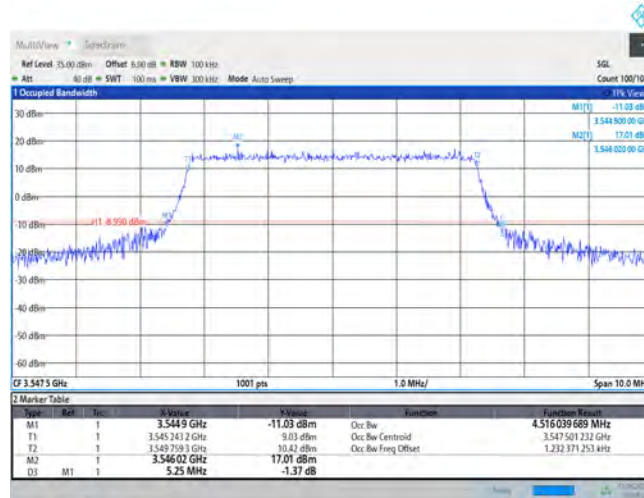
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Band42-5MHz-16QAM-42590-25RB#0



09:03:12 21.04.2022

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



09:04:54 21.04.2022

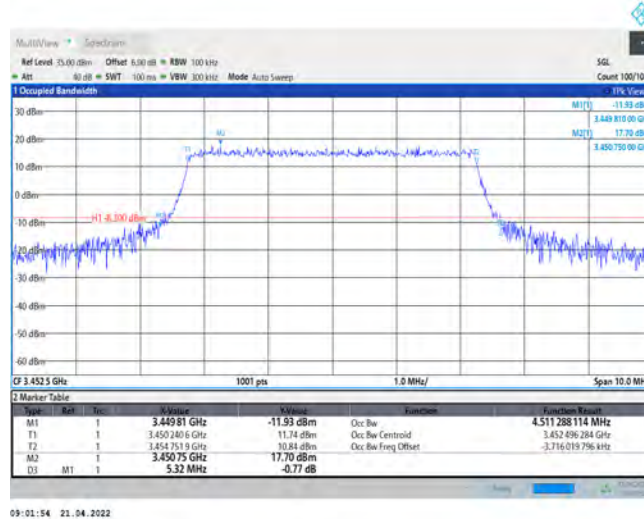


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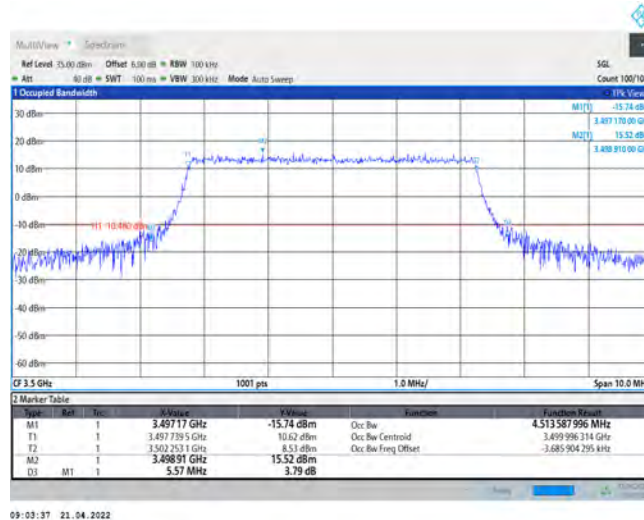
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Band42-5MHz-64QAM-42115-25RB#0



09:01:54 21.04.2022

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



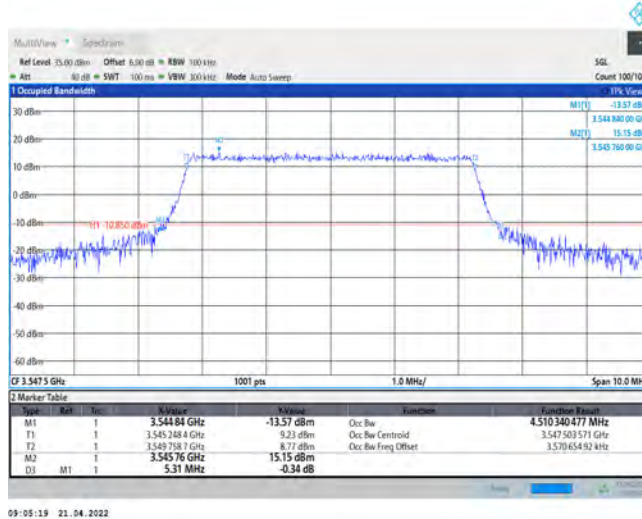
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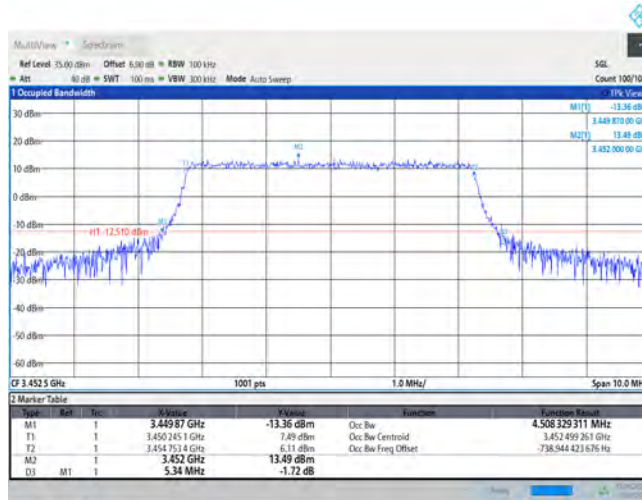
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Band42-5MHz-64QAM-43065-25RB#0



09-05-19 21:04:2022

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



09-02-19 21:04:2022

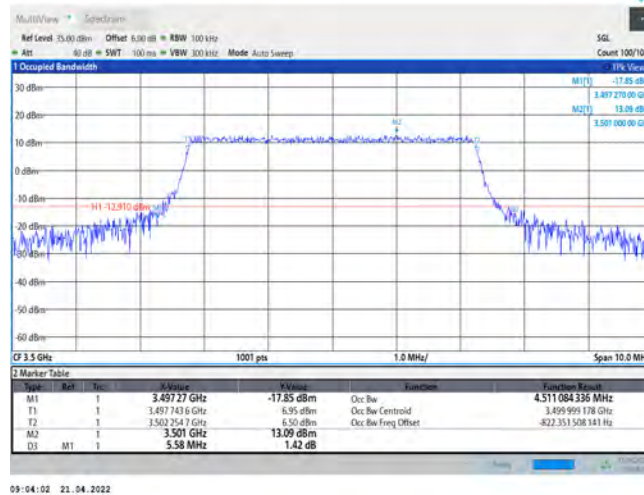


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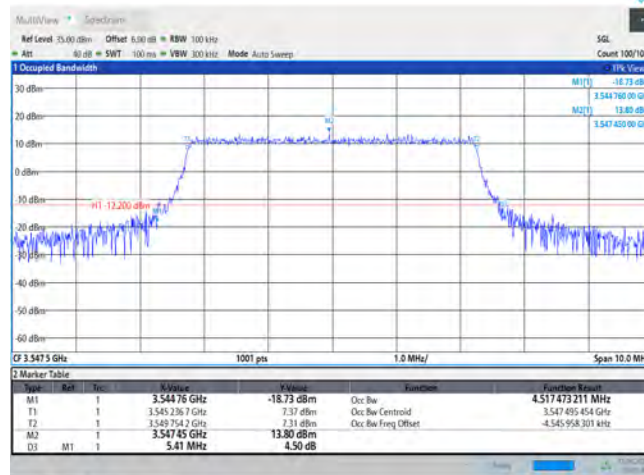
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Band42-5MHz-256QAM-42590-25RB#0



09:04:02 21.04.2022

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



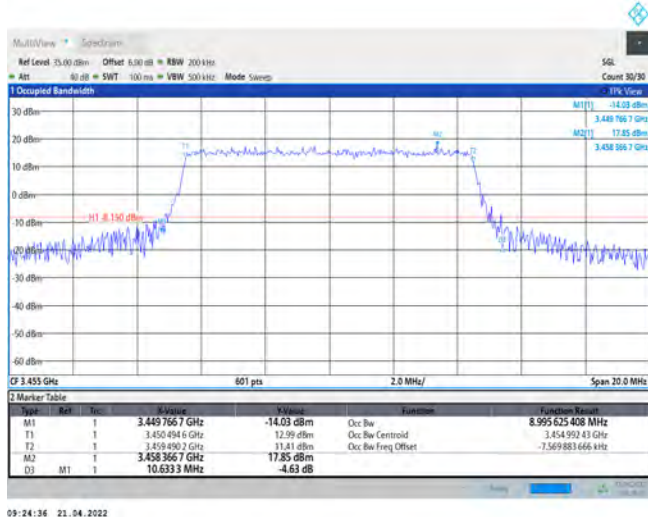
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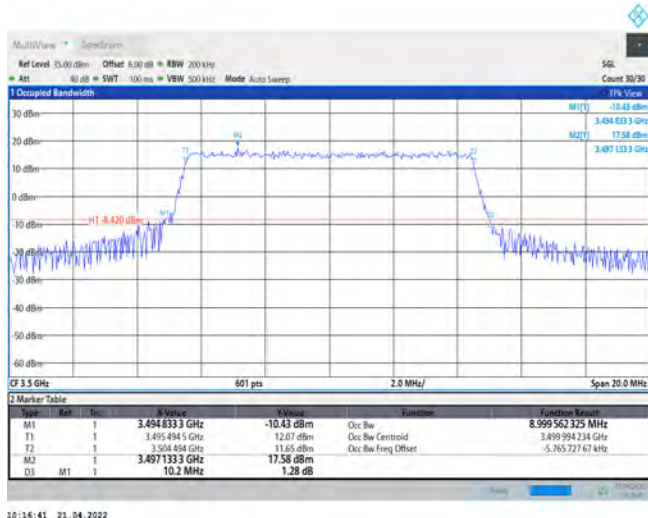
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Band42-10MHz-QPSK-42140-50RB#0



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

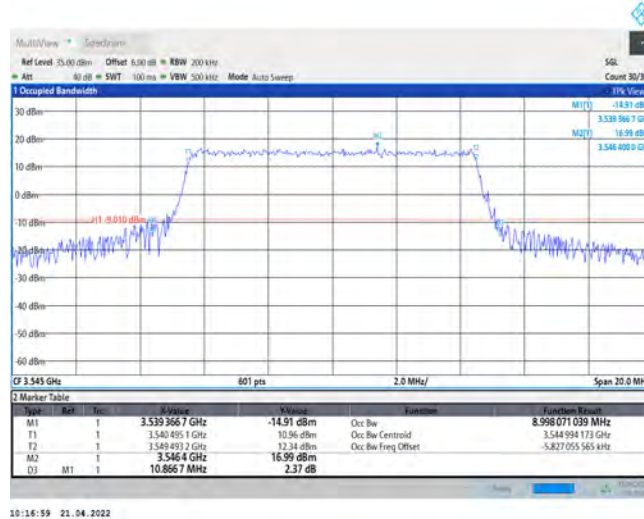


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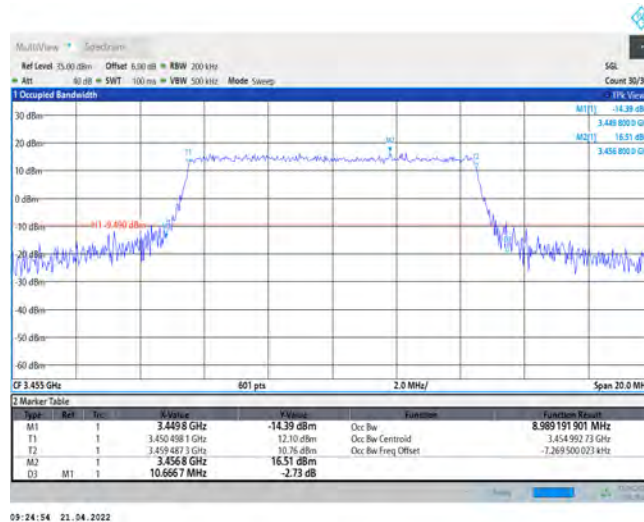
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Band42-10MHz-QPSK-43040-50RB#0



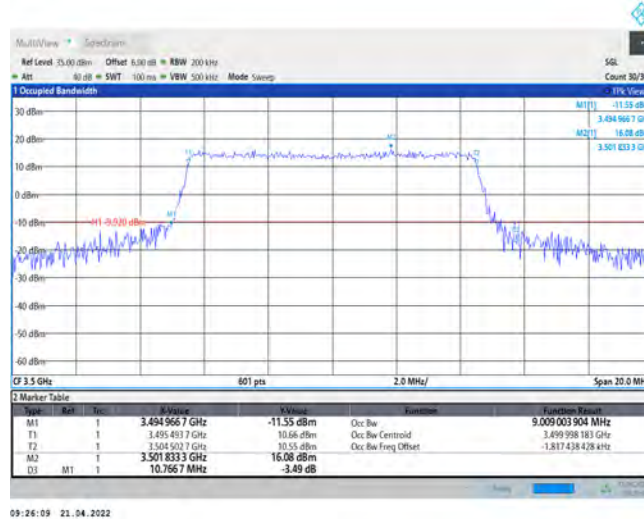
Band42-10MHz-16QAM-42140-50RB#0



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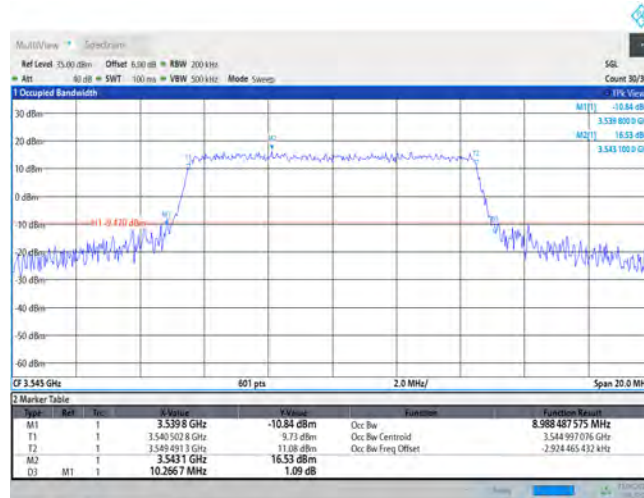
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Band42-10MHz-16QAM-42590-50RB#0



09:26:09 21.04.2022

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



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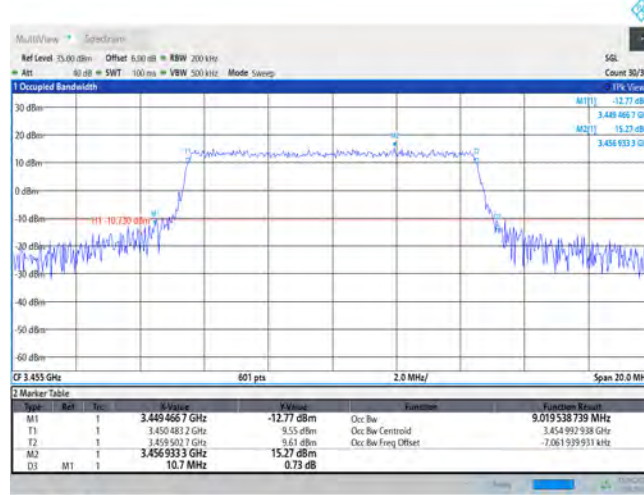


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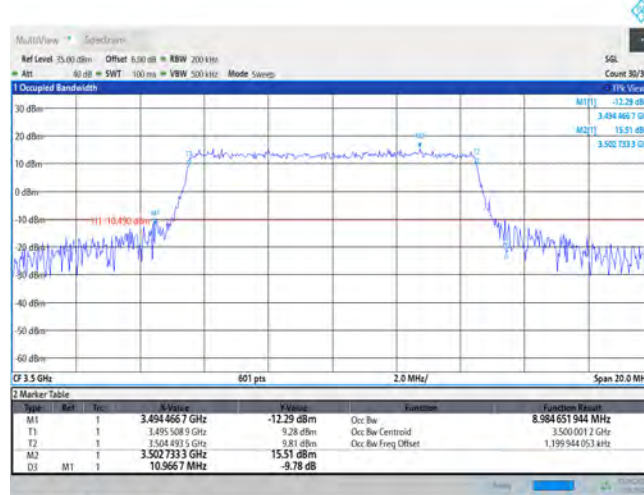
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Band42-10MHz-64QAM-42140-50RB#0



09:25:12 21.04.2022

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



09:26:27 21.04.2022



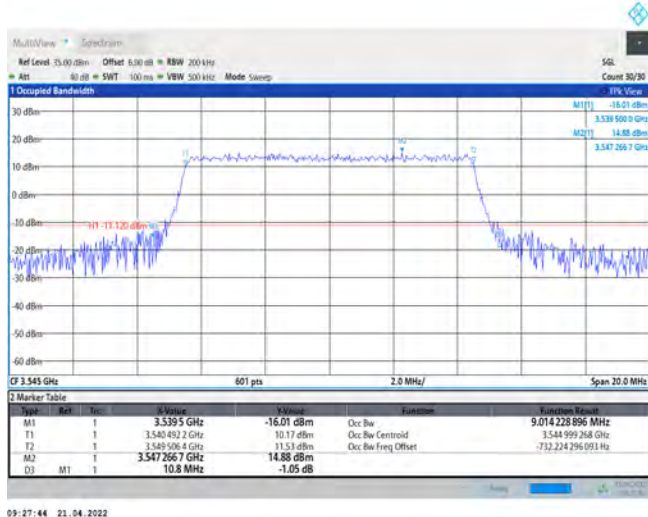
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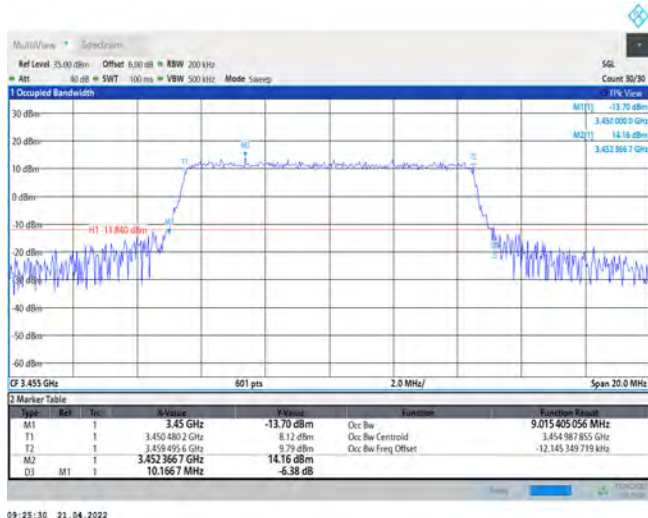
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Band42-10MHz-64QAM-43040-50RB#0



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



09:25:30 21.04.2022



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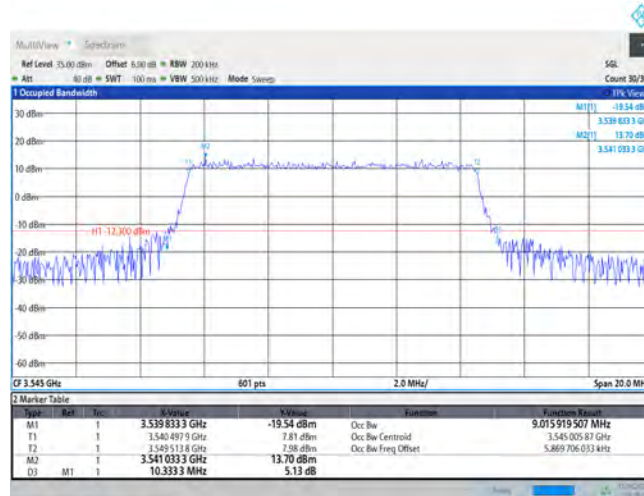
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Band42-10MHz-256QAM-42590-50RB#0



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



09:28:02 21.04.2022

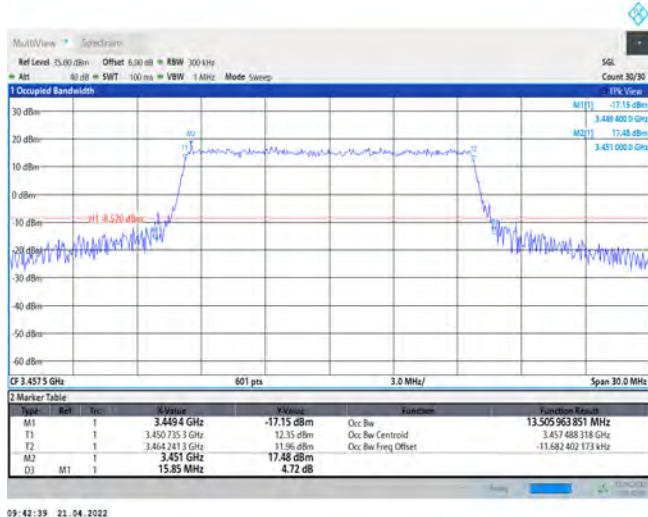


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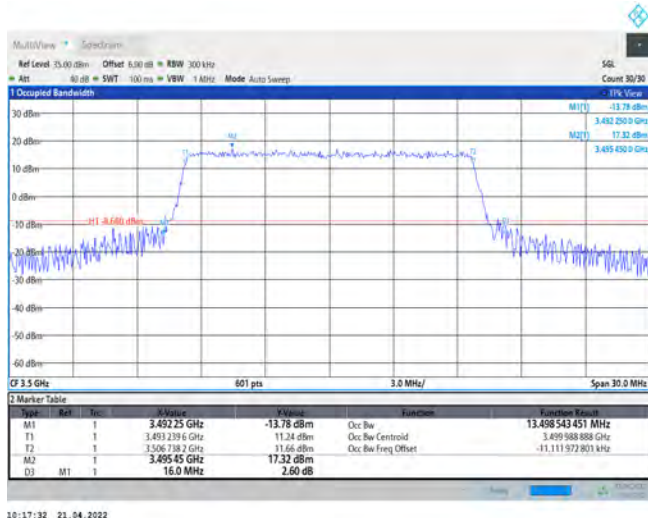
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Band42-15MHz-QPSK-42165-75RB#0



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



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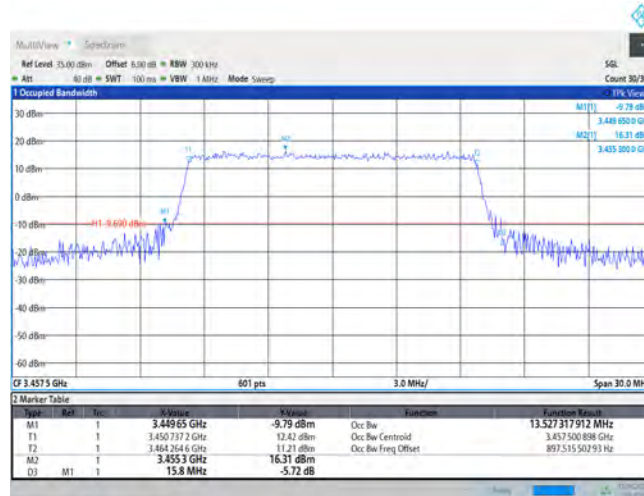
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Band42-15MHz-QPSK-43015-75RB#0



10:17:51 21.04.2022

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



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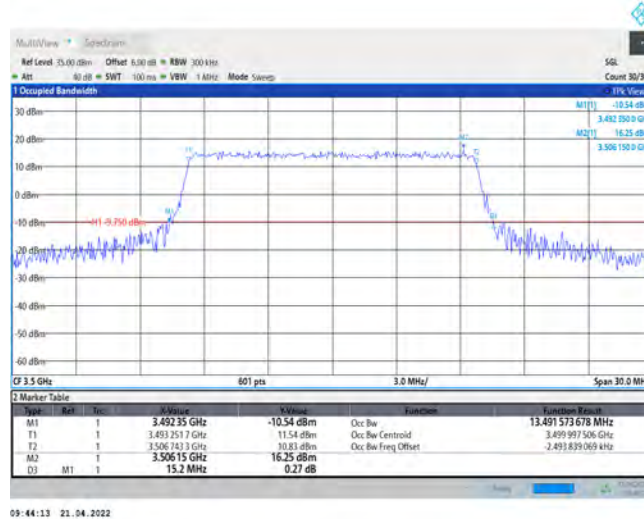


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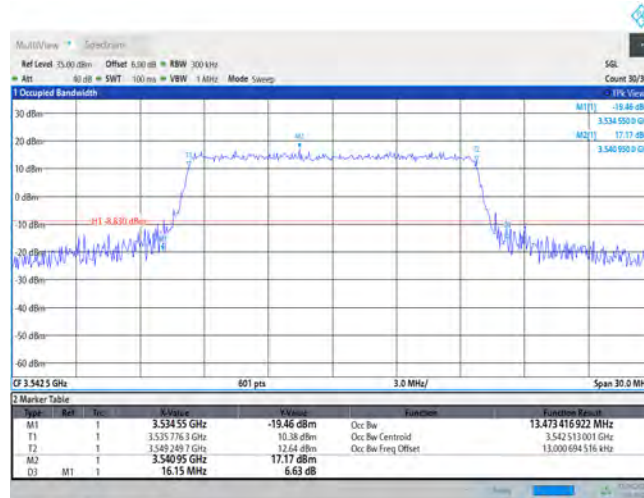
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Band42-15MHz-16QAM-42590-75RB#0



09:44:13 21.04.2022

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



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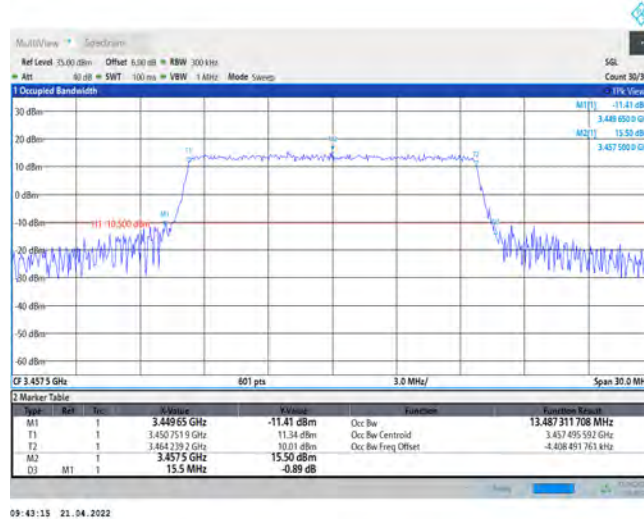


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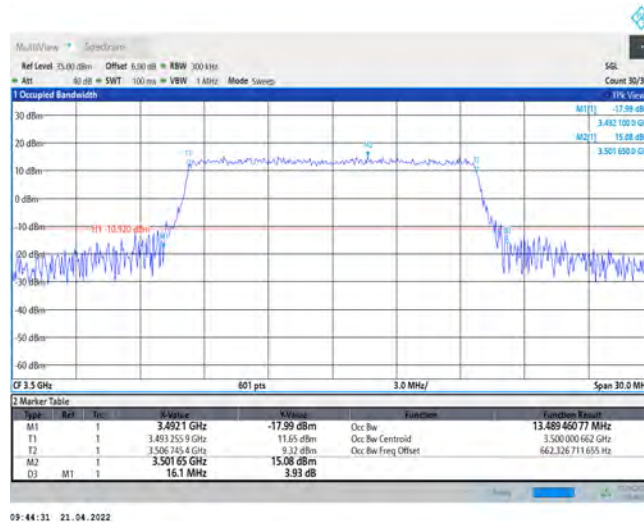
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Band42-15MHz-64QAM-42165-75RB#0



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

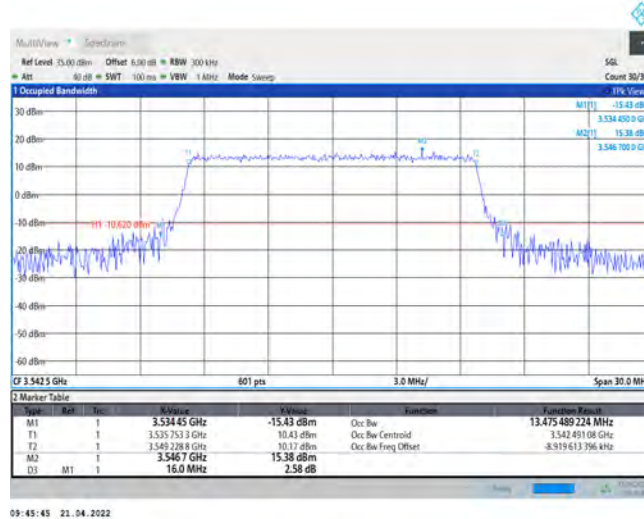


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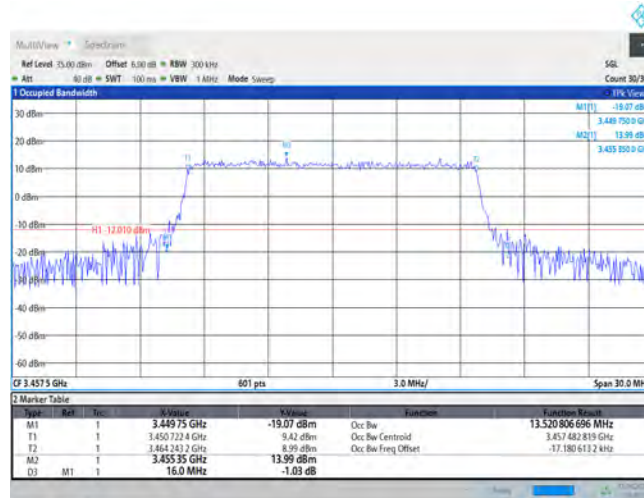
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Band42-15MHz-64QAM-43015-75RB#0



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Band42-15MHz-256QAM-42165-75RB#0



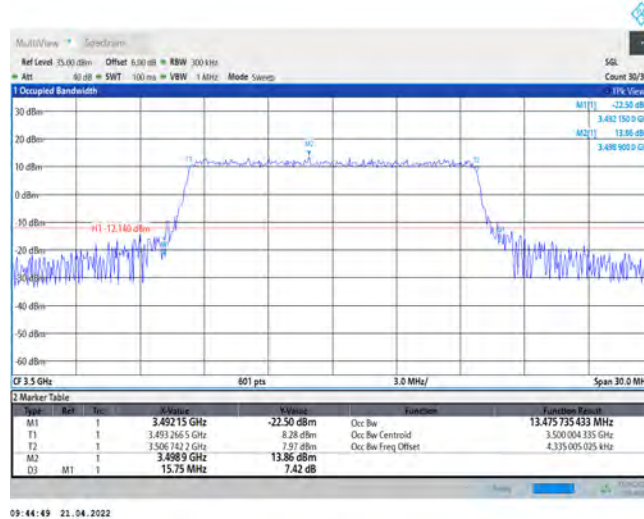
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Band42-15MHz-256QAM-43015-75RB#0



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



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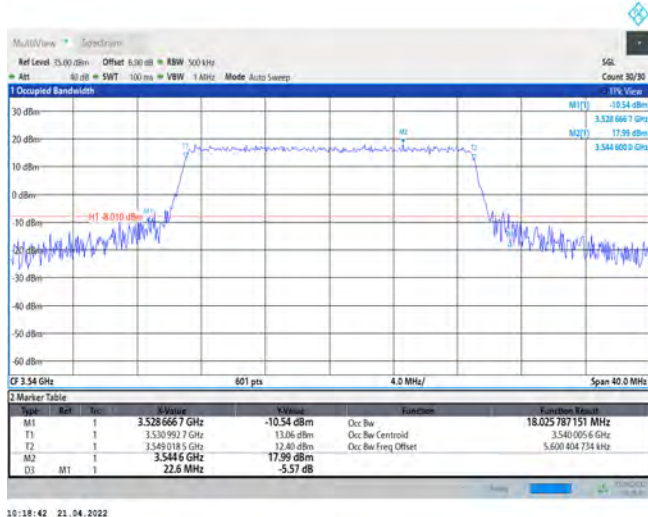
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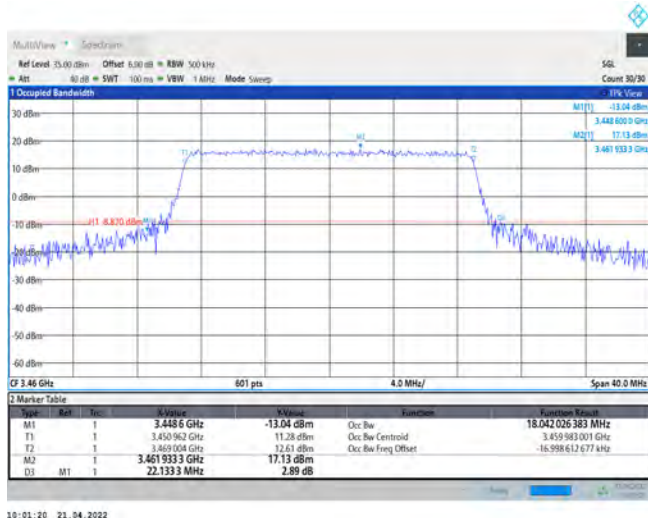
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Band42-20MHz-QPSK-42990-100RB#0



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



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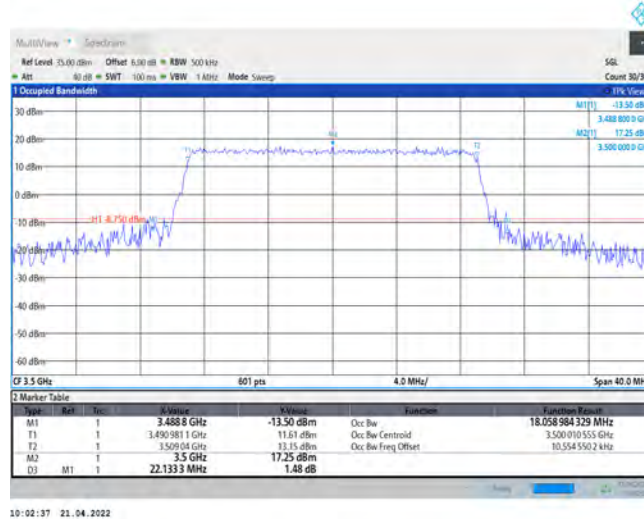


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Band42-20MHz-16QAM-42590-100RB#0



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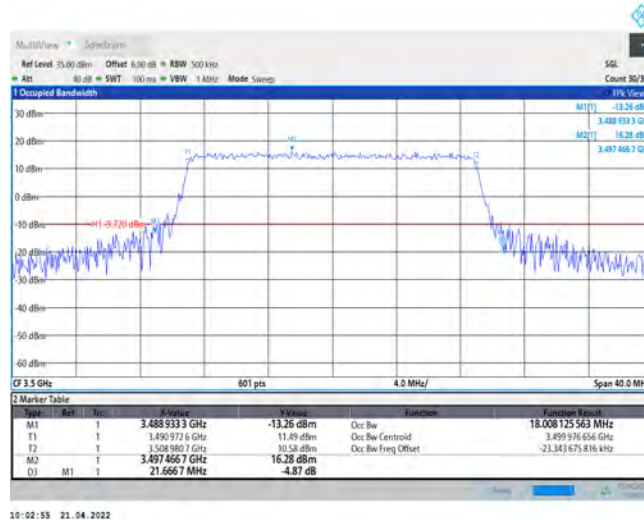
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Band42-20MHz-64QAM-42190-100RB#0



10:01:38 21.04.2022

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



10:02:55 21.04.2022



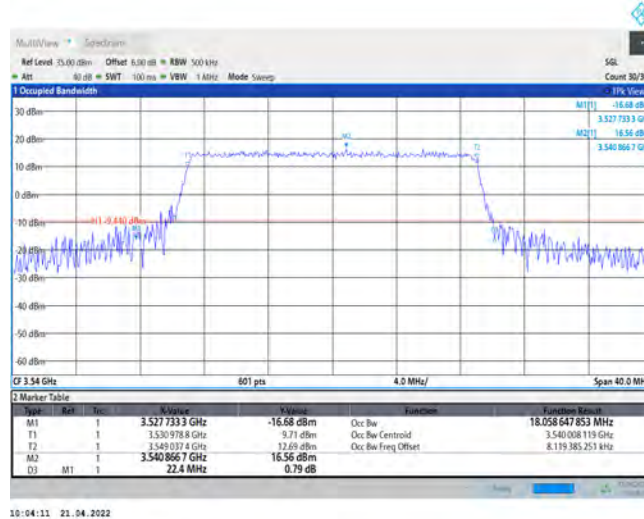
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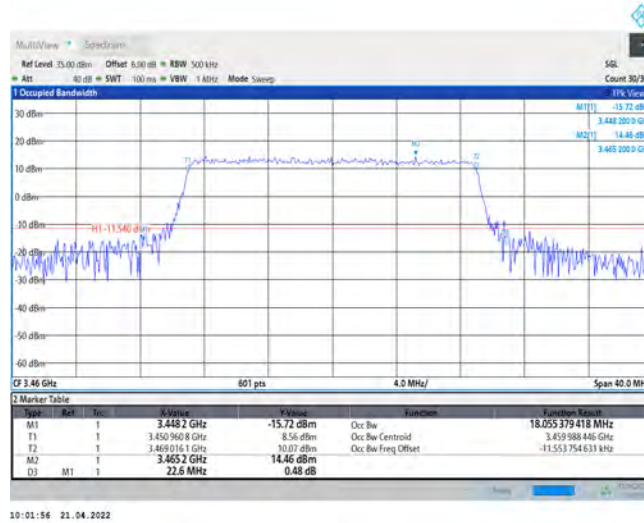
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Band42-20MHz-64QAM-42990-100RB#0



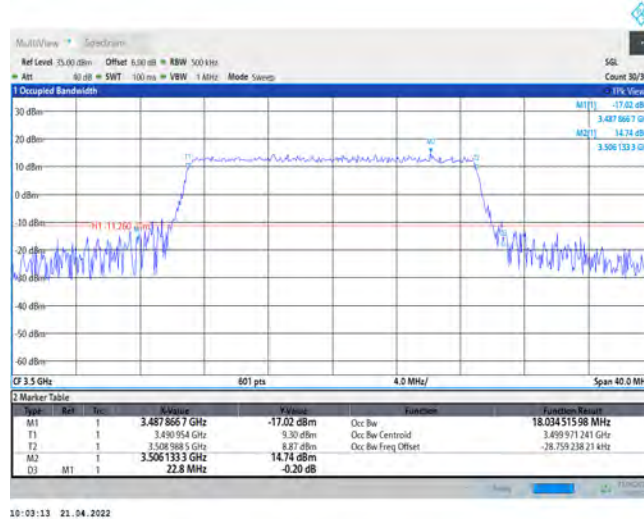
Band42-20MHz-256QAM-42190-100RB#0



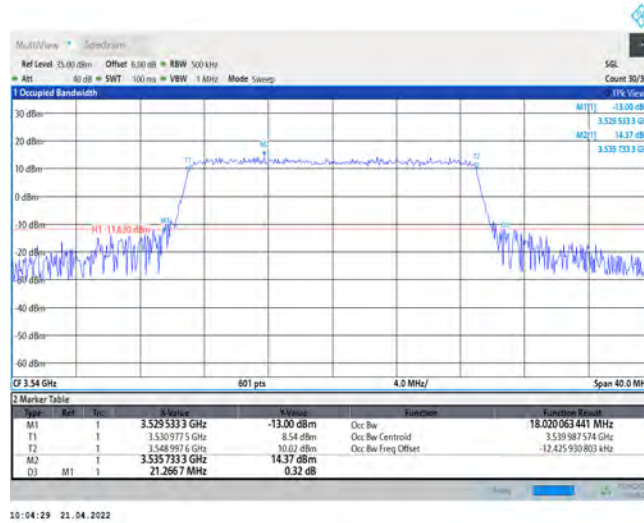
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Band42-20MHz-256QAM-42590-100RB#0



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



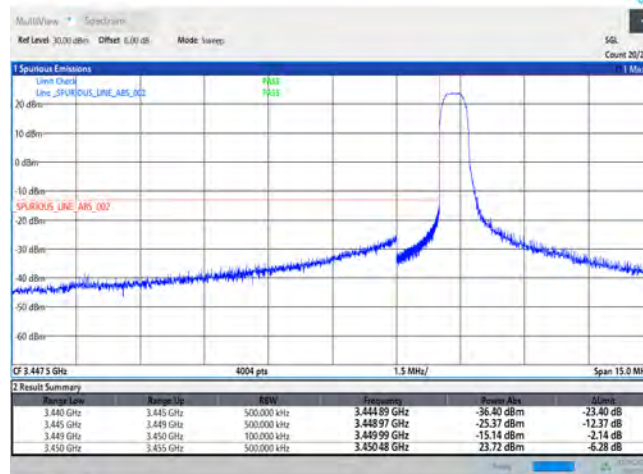
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Band Edge

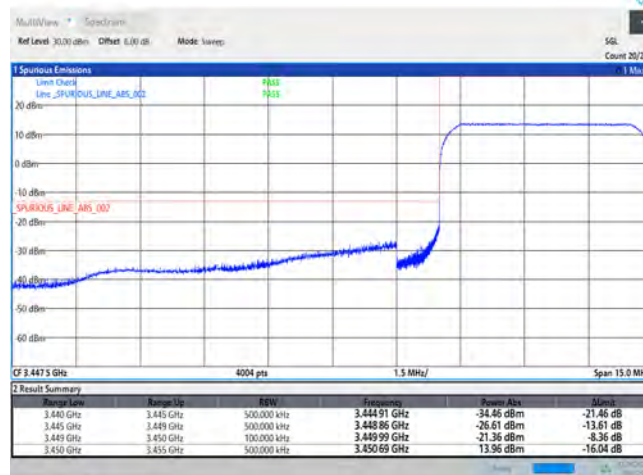
Test Graphs

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



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



09-12-17 21.04.2022



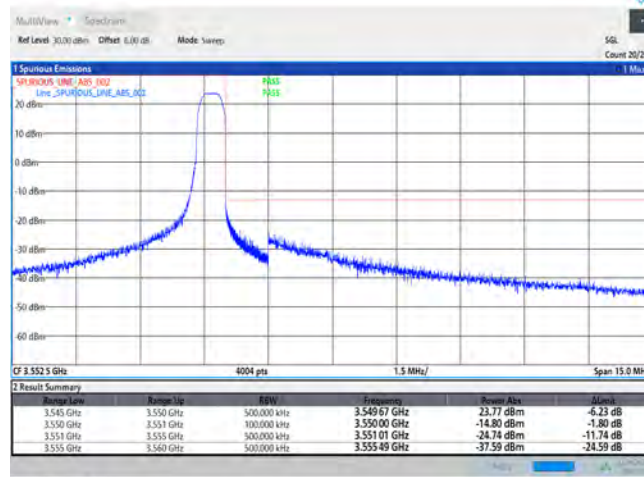
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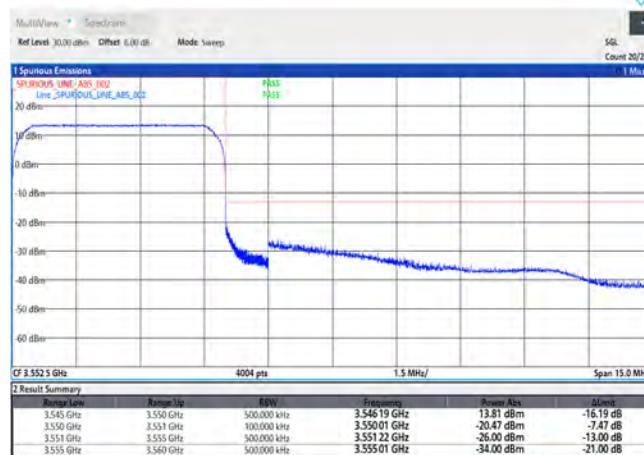
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Band42-5MHz-QPSK-43065-1RB#24



09:13:33 21.04.2022

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



09:14:33 21.04.2022



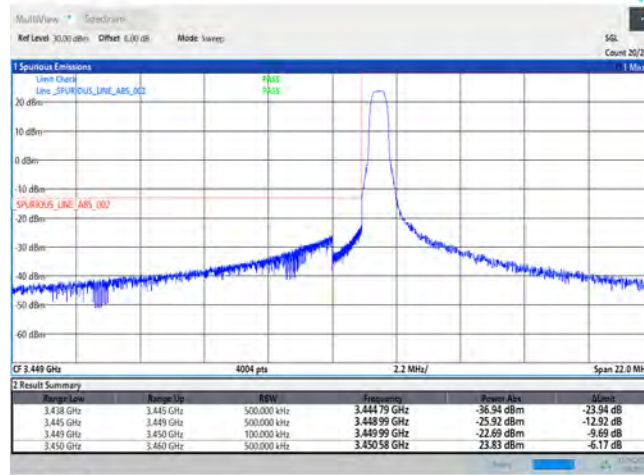
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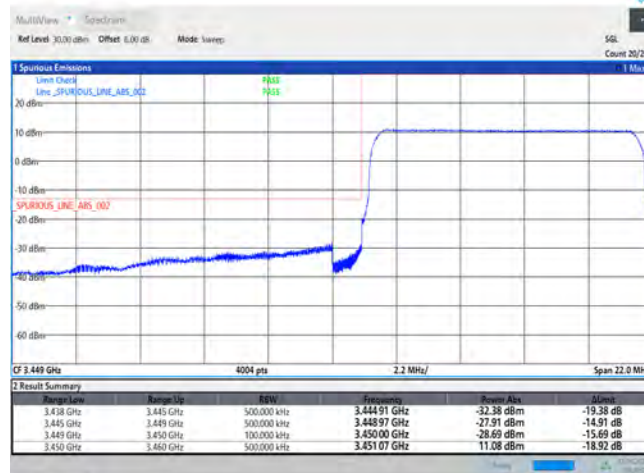
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Band42-10MHz-QPSK-42140-1RB#0



09:29:17 21.04.2022

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



09:30:19 21.04.2022



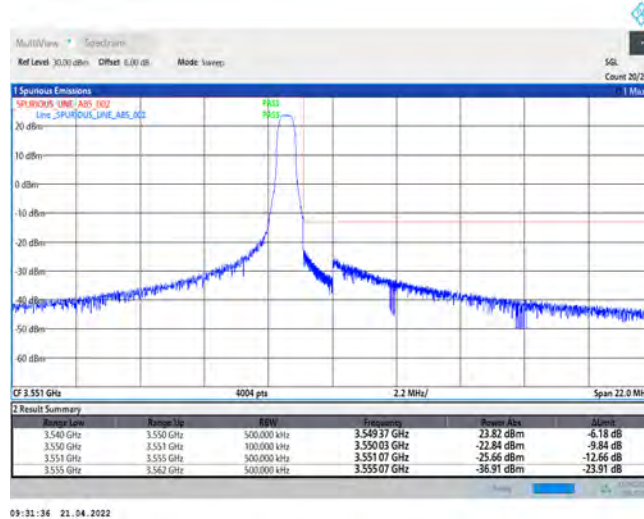
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Band42-10MHz-QPSK-43040-1RB#49



09:31:34 21.04.2022

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



09:32:34 21.04.2022



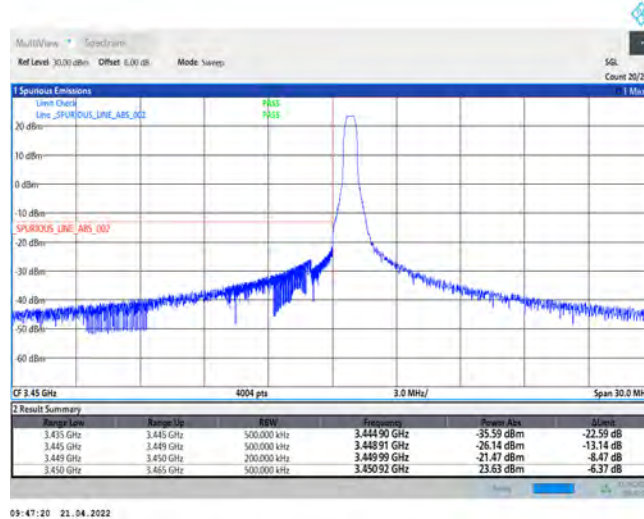
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Band42-15MHz-QPSK-42165-1RB#0



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



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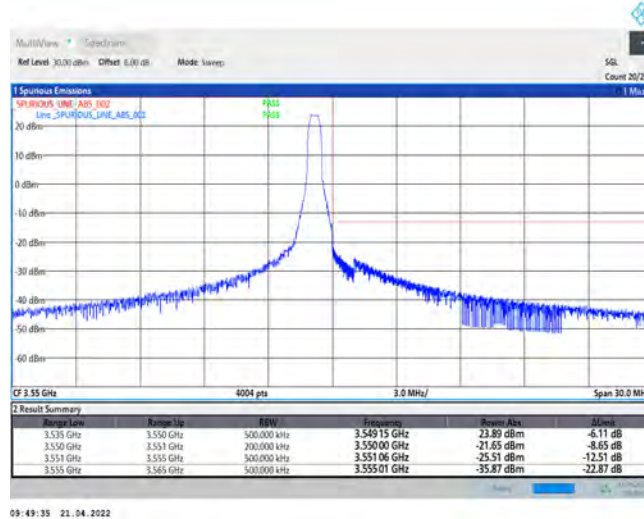


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Band42-15MHz-QPSK-43015-1RB#74



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



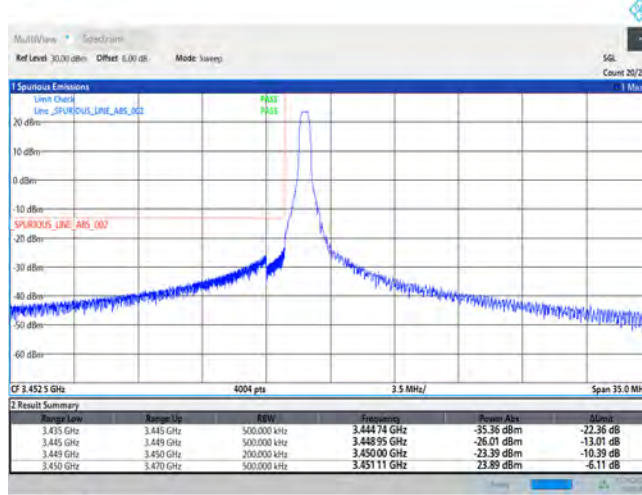
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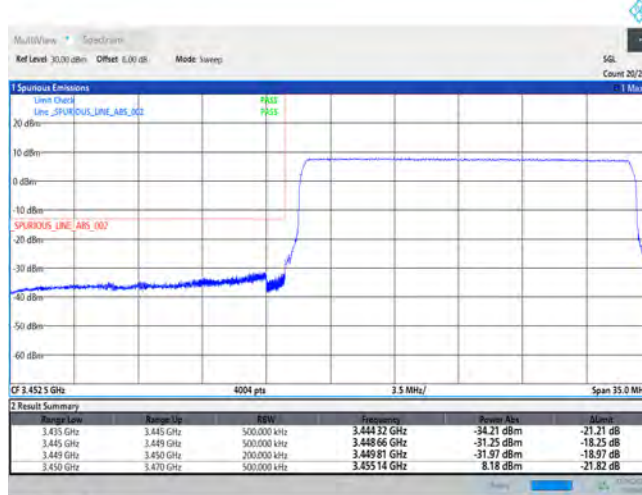
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Band42-20MHz-QPSK-42190-1RB#0



10:05:47 21.04.2022

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



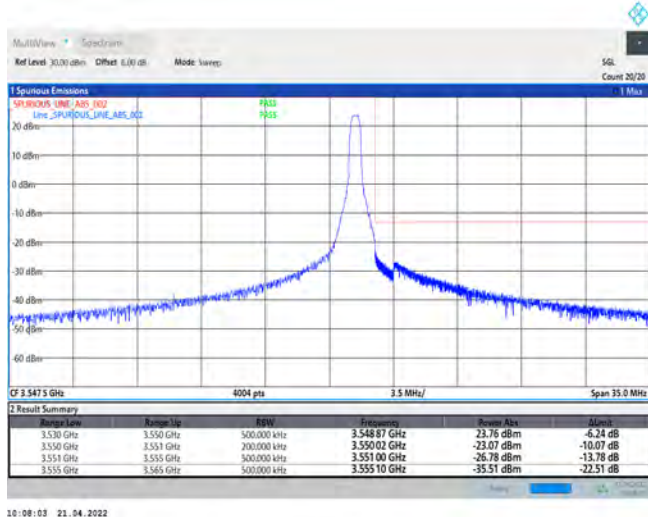
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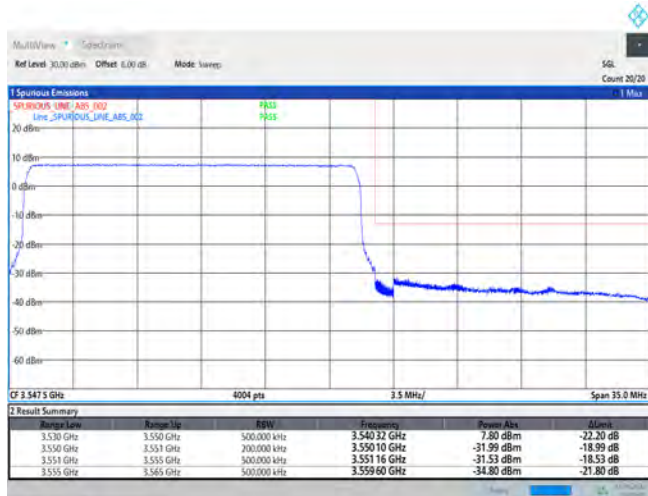
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Band42-20MHz-QPSK-42990-1RB#99



10:08:03 21.04.2022

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



10:09:03 21.04.2022



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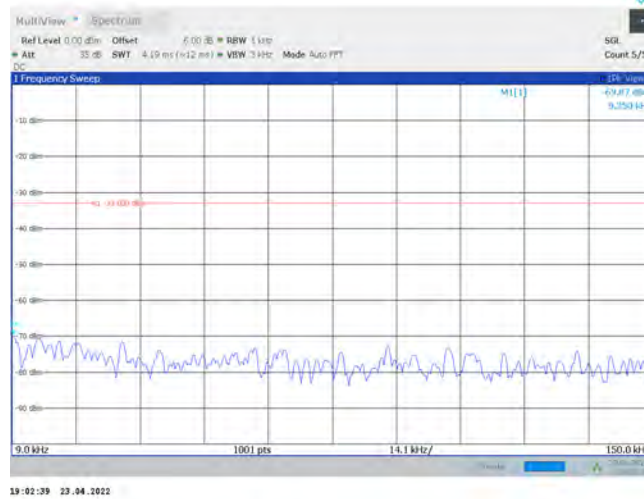
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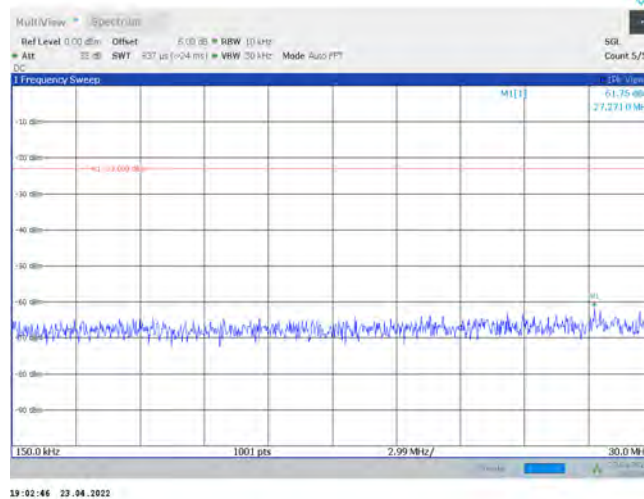
Conducted Spurious Emission

Test Graphs

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



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



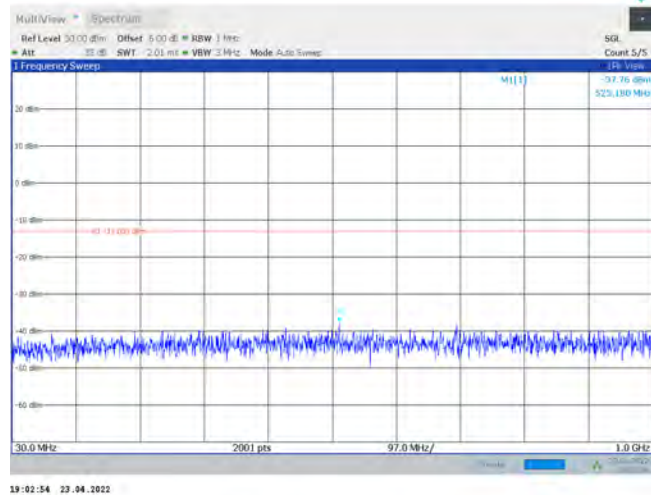
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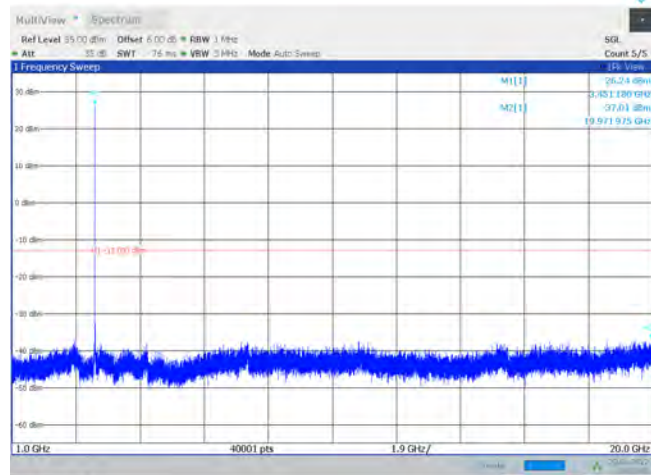
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Band42-20MHz-QPSK-42190-1RB#0-Range3:30~1000MHz



19-02-54 23.04.2022

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



19-03-02 23.04.2022

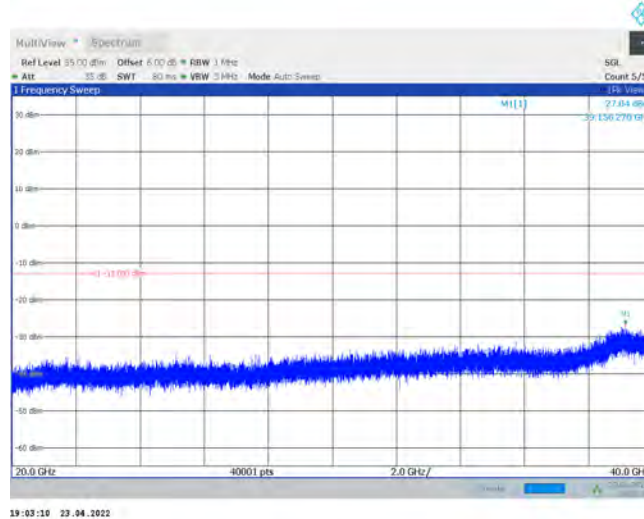


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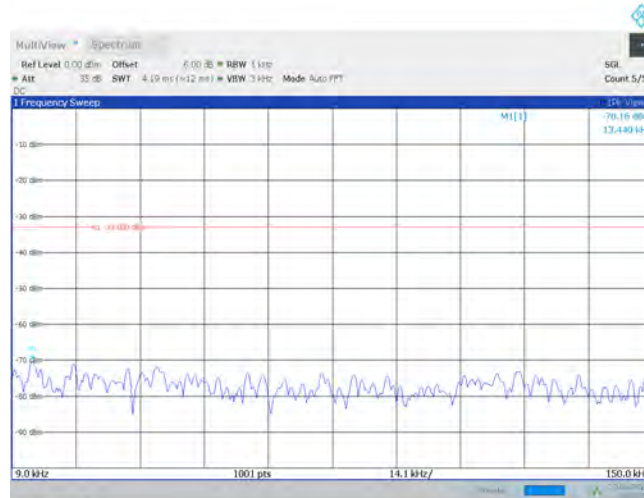
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Band42-20MHz-QPSK-42190-1RB#0-Range5:20000~40000MHz



19-03-10 23.04.2022

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



19-03-27 23.04.2022



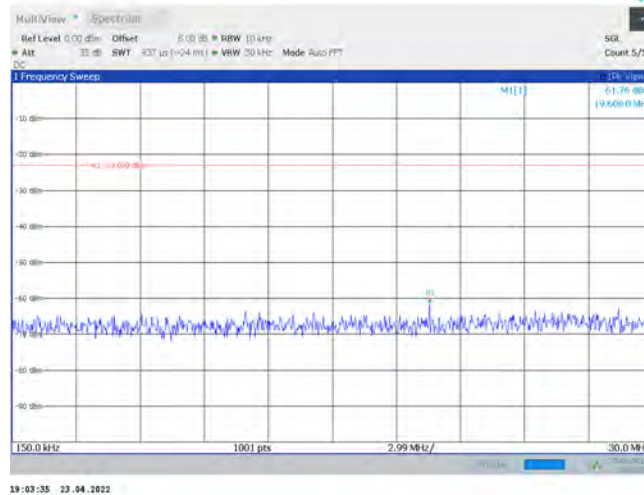
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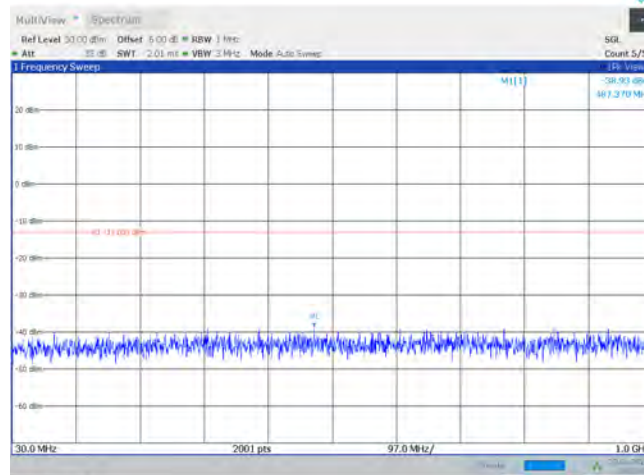
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Band42-20MHz-QPSK-42590-1RB#0-Range2:0.15~30MHz



19-03-35 23.04.2022

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



19-03-43 23.04.2022



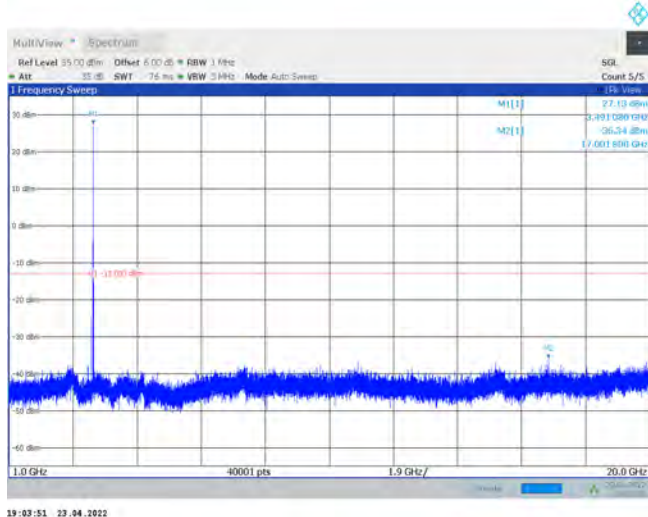
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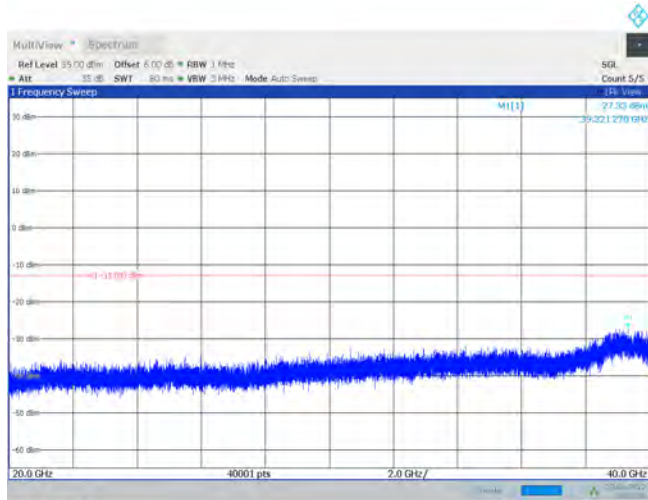
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Band42-20MHz-QPSK-42590-1RB#0-Range4:1000~20000MHz



19:03:51 23.04.2022

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



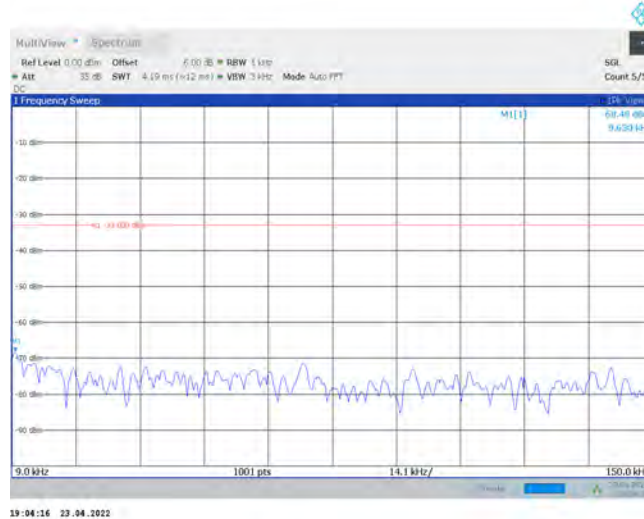
19:03:59 23.04.2022



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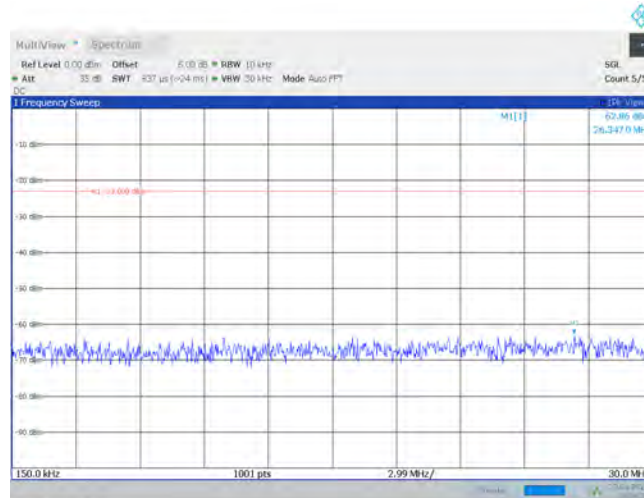
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Band42-20MHz-QPSK-42990-1RB#0-Range1:0.009~0.15MHz



19-04-16 23:04:2022

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



19-04-24 23:04:2022



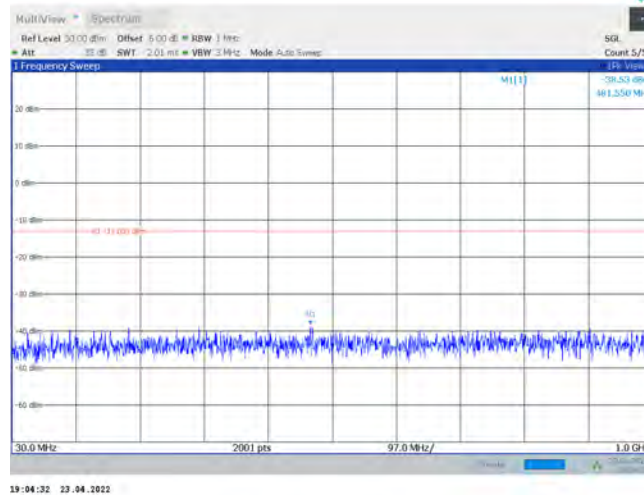
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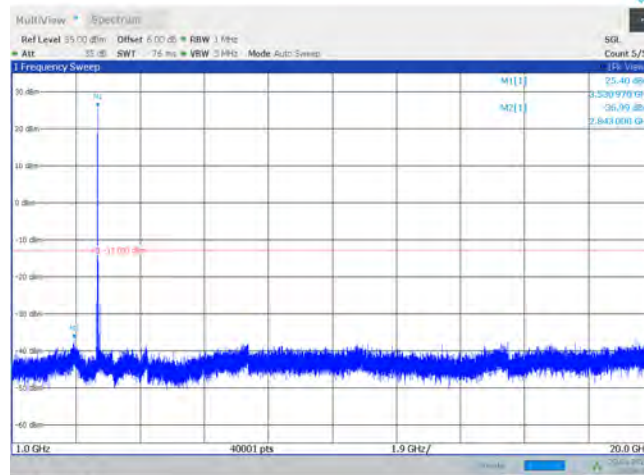
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Band42-20MHz-QPSK-42990-1RB#0-Range3:30~1000MHz



19:04:32 23.04.2022

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



19:04:40 23.04.2022



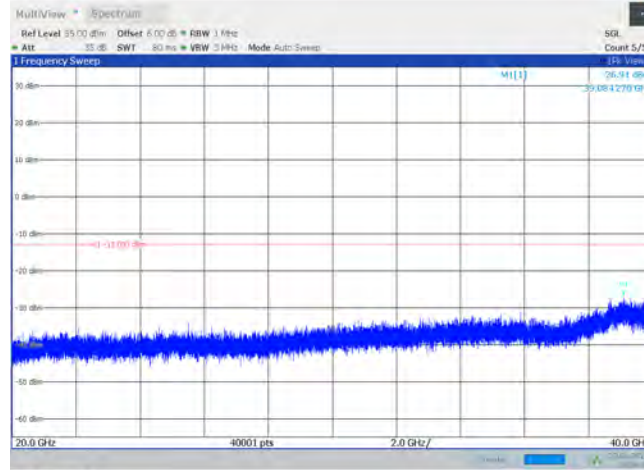
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Band42-20MHz-QPSK-42990-1RB#0-Range5:20000~40000MHz



19:04:48 23.04.2022



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Field Strength of Spurious Radiation

Test Band = LTE Band 42 3450M-3550M_ TM1

Test Channel = Low Channel

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5443.1667	53.90	-105.59	-51.69	-13.00	38.69	263	0	Horizontal
2	6902.18	48.48	-101.40	-52.92	-13.00	39.92	251	3	Horizontal
3	10353.27	42.95	-93.04	-50.09	-13.00	37.09	147	120	Horizontal
4	12579.6667	47.14	-90.75	-43.61	-13.00	30.61	185	41	Horizontal
5	13804.36	43.95	-90.48	-46.53	-13.00	33.53	265	107	Horizontal
6	17255.45	39.81	-87.50	-47.69	-13.00	34.69	241	1	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6280.8333	53.80	-102.89	-49.09	-13.00	36.09	263	0	Vertical
2	6902.18	50.54	-101.40	-50.86	-13.00	37.86	251	321	Vertical
3	9344.5	50.05	-94.76	-44.71	-13.00	31.71	174	121	Vertical
4	10353.27	42.50	-93.04	-50.54	-13.00	37.54	163	8	Vertical
5	13804.36	43.47	-90.48	-47.01	-13.00	34.01	284	321	Vertical
6	17255.45	40.07	-87.50	-47.43	-13.00	34.43	166	229	Vertical



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

Test Band = LTE Band 42 3450M-3550M_ TM1

Test Channel = Mid Channel

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5892.3333	53.88	-104.44	-50.56	-13.00	37.56	263	96	Horizontal
2	6982.18	48.10	-101.47	-53.37	-13.00	40.37	251	1	Horizontal
3	9261.6667	49.17	-95.01	-45.84	-13.00	32.84	174	0	Horizontal
4	10473.27	44.58	-92.71	-48.13	-13.00	35.13	186	28	Horizontal
5	13964.36	42.60	-90.03	-47.43	-13.00	34.43	254	108	Horizontal
6	17455.45	39.49	-86.67	-47.18	-13.00	34.18	114	240	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6495.5	53.00	-102.66	-49.66	-13.00	36.66	214	357	Vertical
2	6982.18	48.20	-101.47	-53.27	-13.00	40.27	186	1	Vertical
3	8716.8333	50.37	-96.17	-45.80	-13.00	32.80	263	83	Vertical
4	10473.27	43.18	-92.71	-49.53	-13.00	36.53	254	136	Vertical
5	13964.36	42.06	-90.03	-47.97	-13.00	34.97	147	43	Vertical
6	17455.45	39.35	-86.67	-47.32	-13.00	34.32	187	203	Vertical



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Test Band = LTE Band 42 3450M-3550M_ TM1

Test Channel = High Channel

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6272.6667	52.66	-102.88	-50.22	-13.00	37.22	263	0	Horizontal
2	7062.18	47.88	-101.33	-53.45	-13.00	40.45	251	348	Horizontal
3	9226.6667	49.86	-94.95	-45.09	-13.00	32.09	174	0	Horizontal
4	10593.27	44.58	-92.24	-47.66	-13.00	34.66	186	0	Horizontal
5	14124.36	43.13	-90.00	-46.87	-13.00	33.87	265	58	Horizontal
6	17655.45	40.96	-85.46	-44.50	-13.00	31.50	241	84	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5872.5	52.80	-104.49	-51.69	-13.00	38.69	251	95	Vertical
2	7062.18	48.55	-101.33	-52.78	-13.00	39.78	175	69	Vertical
3	10593.27	44.02	-92.24	-48.22	-13.00	35.22	262	295	Vertical
4	11932.1667	46.15	-91.65	-45.50	-13.00	32.50	222	121	Vertical
5	14124.36	43.05	-90.00	-46.95	-13.00	33.95	251	201	Vertical
6	17655.45	41.72	-85.46	-43.74	-13.00	30.74	144	57	Vertical



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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	-0.40	-0.000114	PASS
Band42	20MHz	QPSK	42590	100RB#0	VN	NT	1.10	0.000314	PASS
Band42	20MHz	QPSK	42590	100RB#0	VH	NT	0.10	0.000029	PASS

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band42	20MHz	QPSK	42590	100RB#0	NV	-30	-0.40	-0.000114	PASS
Band42	20MHz	QPSK	42590	100RB#0	NV	-20	-1.20	-0.000343	PASS
Band42	20MHz	QPSK	42590	100RB#0	NV	0	0.90	0.000257	PASS
Band42	20MHz	QPSK	42590	100RB#0	NV	10	-1.10	-0.000314	PASS
Band42	20MHz	QPSK	42590	100RB#0	NV	20	1.00	0.000286	PASS
Band42	20MHz	QPSK	42590	100RB#0	NV	30	2.50	0.000714	PASS
Band42	20MHz	QPSK	42590	100RB#0	NV	40	1.70	0.000486	PASS
Band42	20MHz	QPSK	42590	100RB#0	NV	50	1.10	0.000314	PASS

The End



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