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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	25.78	19.68	30	PASS
Band42	5MHz	16QAM	42115	1RB#0	24.94	18.84	30	PASS
Band42	5MHz	64QAM	42115	1RB#0	24.13	18.03	30	PASS
Band42	5MHz	256QAM	42115	1RB#0	20.87	14.77	30	PASS
Band42	5MHz	QPSK	42115	1RB#12	25.92	19.82	30	PASS
Band42	5MHz	16QAM	42115	1RB#12	24.98	18.88	30	PASS
Band42	5MHz	64QAM	42115	1RB#12	24.27	18.17	30	PASS
Band42	5MHz	256QAM	42115	1RB#12	21.03	14.93	30	PASS
Band42	5MHz	QPSK	42115	1RB#24	25.82	19.72	30	PASS
Band42	5MHz	16QAM	42115	1RB#24	25.02	18.92	30	PASS
Band42	5MHz	64QAM	42115	1RB#24	24.21	18.11	30	PASS
Band42	5MHz	256QAM	42115	1RB#24	21.12	15.02	30	PASS
Band42	5MHz	QPSK	42115	25RB#0	24.88	18.78	30	PASS
Band42	5MHz	16QAM	42115	25RB#0	23.91	17.81	30	PASS
Band42	5MHz	64QAM	42115	25RB#0	22.96	16.86	30	PASS
Band42	5MHz	256QAM	42115	25RB#0	20.94	14.84	30	PASS
Band42	5MHz	QPSK	42590	1RB#0	25.49	19.39	30	PASS
Band42	5MHz	16QAM	42590	1RB#0	24.59	18.49	30	PASS
Band42	5MHz	64QAM	42590	1RB#0	23.93	17.83	30	PASS
Band42	5MHz	256QAM	42590	1RB#0	20.64	14.54	30	PASS
Band42	5MHz	QPSK	42590	1RB#12	25.58	19.48	30	PASS
Band42	5MHz	16QAM	42590	1RB#12	24.64	18.54	30	PASS
Band42	5MHz	64QAM	42590	1RB#12	23.8	17.7	30	PASS
Band42	5MHz	256QAM	42590	1RB#12	20.7	14.6	30	PASS
Band42	5MHz	QPSK	42590	1RB#24	25.5	19.4	30	PASS
Band42	5MHz	16QAM	42590	1RB#24	24.63	18.53	30	PASS
Band42	5MHz	64QAM	42590	1RB#24	23.86	17.76	30	PASS
Band42	5MHz	256QAM	42590	1RB#24	20.63	14.53	30	PASS
Band42	5MHz	QPSK	42590	25RB#0	24.51	18.41	30	PASS
Band42	5MHz	16QAM	42590	25RB#0	23.53	17.43	30	PASS
Band42	5MHz	64QAM	42590	25RB#0	22.54	16.44	30	PASS



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Band42	5MHz	256QAM	42590	25RB#0	20.51	14.41	30	PASS
Band42	5MHz	QPSK	43065	1RB#0	25.71	19.61	30	PASS
Band42	5MHz	16QAM	43065	1RB#0	24.82	18.72	30	PASS
Band42	5MHz	64QAM	43065	1RB#0	24	17.9	30	PASS
Band42	5MHz	256QAM	43065	1RB#0	20.88	14.78	30	PASS
Band42	5MHz	QPSK	43065	1RB#12	25.78	19.68	30	PASS
Band42	5MHz	16QAM	43065	1RB#12	24.95	18.85	30	PASS
Band42	5MHz	64QAM	43065	1RB#12	24.09	17.99	30	PASS
Band42	5MHz	256QAM	43065	1RB#12	20.92	14.82	30	PASS
Band42	5MHz	QPSK	43065	1RB#24	25.71	19.61	30	PASS
Band42	5MHz	16QAM	43065	1RB#24	24.82	18.72	30	PASS
Band42	5MHz	64QAM	43065	1RB#24	24.03	17.93	30	PASS
Band42	5MHz	256QAM	43065	1RB#24	20.89	14.79	30	PASS
Band42	5MHz	QPSK	43065	25RB#0	24.74	18.64	30	PASS
Band42	5MHz	16QAM	43065	25RB#0	23.77	17.67	30	PASS
Band42	5MHz	64QAM	43065	25RB#0	22.79	16.69	30	PASS
Band42	5MHz	256QAM	43065	25RB#0	20.79	14.69	30	PASS
Band42	10MHz	QPSK	42140	1RB#0	25.74	19.64	30	PASS
Band42	10MHz	16QAM	42140	1RB#0	24.91	18.81	30	PASS
Band42	10MHz	64QAM	42140	1RB#0	24.18	18.08	30	PASS
Band42	10MHz	256QAM	42140	1RB#0	20.87	14.77	30	PASS
Band42	10MHz	QPSK	42140	1RB#24	25.85	19.75	30	PASS
Band42	10MHz	16QAM	42140	1RB#24	24.97	18.87	30	PASS
Band42	10MHz	64QAM	42140	1RB#24	24.36	18.26	30	PASS
Band42	10MHz	256QAM	42140	1RB#24	21.11	15.01	30	PASS
Band42	10MHz	QPSK	42140	1RB#49	25.84	19.74	30	PASS
Band42	10MHz	16QAM	42140	1RB#49	24.97	18.87	30	PASS
Band42	10MHz	64QAM	42140	1RB#49	24.27	18.17	30	PASS
Band42	10MHz	256QAM	42140	1RB#49	21.08	14.98	30	PASS
Band42	10MHz	QPSK	42140	50RB#0	24.94	18.84	30	PASS
Band42	10MHz	16QAM	42140	50RB#0	23.94	17.84	30	PASS
Band42	10MHz	64QAM	42140	50RB#0	22.98	16.88	30	PASS
Band42	10MHz	256QAM	42140	50RB#0	20.97	14.87	30	PASS
Band42	10MHz	QPSK	42590	1RB#0	25.49	19.39	30	PASS
Band42	10MHz	16QAM	42590	1RB#0	24.61	18.51	30	PASS
Band42	10MHz	64QAM	42590	1RB#0	23.93	17.83	30	PASS
Band42	10MHz	256QAM	42590	1RB#0	20.56	14.46	30	PASS



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Band42	10MHz	QPSK	42590	1RB#24	25.51	19.41	30	PASS
Band42	10MHz	16QAM	42590	1RB#24	24.69	18.59	30	PASS
Band42	10MHz	64QAM	42590	1RB#24	23.98	17.88	30	PASS
Band42	10MHz	256QAM	42590	1RB#24	20.81	14.71	30	PASS
Band42	10MHz	QPSK	42590	1RB#49	25.27	19.17	30	PASS
Band42	10MHz	16QAM	42590	1RB#49	24.54	18.44	30	PASS
Band42	10MHz	64QAM	42590	1RB#49	23.77	17.67	30	PASS
Band42	10MHz	256QAM	42590	1RB#49	20.77	14.67	30	PASS
Band42	10MHz	QPSK	42590	50RB#0	24.52	18.42	30	PASS
Band42	10MHz	16QAM	42590	50RB#0	23.53	17.43	30	PASS
Band42	10MHz	64QAM	42590	50RB#0	22.54	16.44	30	PASS
Band42	10MHz	256QAM	42590	50RB#0	20.6	14.5	30	PASS
Band42	10MHz	QPSK	43040	1RB#0	25.62	19.52	30	PASS
Band42	10MHz	16QAM	43040	1RB#0	24.69	18.59	30	PASS
Band42	10MHz	64QAM	43040	1RB#0	24.01	17.91	30	PASS
Band42	10MHz	256QAM	43040	1RB#0	20.74	14.64	30	PASS
Band42	10MHz	QPSK	43040	1RB#24	25.75	19.65	30	PASS
Band42	10MHz	16QAM	43040	1RB#24	24.84	18.74	30	PASS
Band42	10MHz	64QAM	43040	1RB#24	24.11	18.01	30	PASS
Band42	10MHz	256QAM	43040	1RB#24	20.93	14.83	30	PASS
Band42	10MHz	QPSK	43040	1RB#49	25.71	19.61	30	PASS
Band42	10MHz	16QAM	43040	1RB#49	24.85	18.75	30	PASS
Band42	10MHz	64QAM	43040	1RB#49	24.03	17.93	30	PASS
Band42	10MHz	256QAM	43040	1RB#49	20.9	14.8	30	PASS
Band42	10MHz	QPSK	43040	50RB#0	24.68	18.58	30	PASS
Band42	10MHz	16QAM	43040	50RB#0	23.67	17.57	30	PASS
Band42	10MHz	64QAM	43040	50RB#0	22.73	16.63	30	PASS
Band42	10MHz	256QAM	43040	50RB#0	20.74	14.64	30	PASS
Band42	15MHz	QPSK	42165	1RB#0	25.52	19.42	30	PASS
Band42	15MHz	16QAM	42165	1RB#0	24.72	18.62	30	PASS
Band42	15MHz	64QAM	42165	1RB#0	23.97	17.87	30	PASS
Band42	15MHz	256QAM	42165	1RB#0	20.82	14.72	30	PASS
Band42	15MHz	QPSK	42165	1RB#38	25.71	19.61	30	PASS
Band42	15MHz	16QAM	42165	1RB#38	24.75	18.65	30	PASS
Band42	15MHz	64QAM	42165	1RB#38	24.07	17.97	30	PASS
Band42	15MHz	256QAM	42165	1RB#38	21	14.9	30	PASS
Band42	15MHz	QPSK	42165	1RB#74	25.73	19.63	30	PASS



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Band42	15MHz	16QAM	42165	1RB#74	24.76	18.66	30	PASS
Band42	15MHz	64QAM	42165	1RB#74	24.06	17.96	30	PASS
Band42	15MHz	256QAM	42165	1RB#74	21.08	14.98	30	PASS
Band42	15MHz	QPSK	42165	75RB#0	24.82	18.72	30	PASS
Band42	15MHz	16QAM	42165	75RB#0	23.79	17.69	30	PASS
Band42	15MHz	64QAM	42165	75RB#0	22.84	16.74	30	PASS
Band42	15MHz	256QAM	42165	75RB#0	20.82	14.72	30	PASS
Band42	15MHz	QPSK	42590	1RB#0	25.28	19.18	30	PASS
Band42	15MHz	16QAM	42590	1RB#0	24.4	18.3	30	PASS
Band42	15MHz	64QAM	42590	1RB#0	23.8	17.7	30	PASS
Band42	15MHz	256QAM	42590	1RB#0	20.47	14.37	30	PASS
Band42	15MHz	QPSK	42590	1RB#38	25.31	19.21	30	PASS
Band42	15MHz	16QAM	42590	1RB#38	24.49	18.39	30	PASS
Band42	15MHz	64QAM	42590	1RB#38	23.74	17.64	30	PASS
Band42	15MHz	256QAM	42590	1RB#38	20.54	14.44	30	PASS
Band42	15MHz	QPSK	42590	1RB#74	25.32	19.22	30	PASS
Band42	15MHz	16QAM	42590	1RB#74	24.45	18.35	30	PASS
Band42	15MHz	64QAM	42590	1RB#74	23.7	17.6	30	PASS
Band42	15MHz	256QAM	42590	1RB#74	20.78	14.68	30	PASS
Band42	15MHz	QPSK	42590	75RB#0	24.41	18.31	30	PASS
Band42	15MHz	16QAM	42590	75RB#0	23.41	17.31	30	PASS
Band42	15MHz	64QAM	42590	75RB#0	22.44	16.34	30	PASS
Band42	15MHz	256QAM	42590	75RB#0	20.4	14.3	30	PASS
Band42	15MHz	QPSK	43015	1RB#0	25.47	19.37	30	PASS
Band42	15MHz	16QAM	43015	1RB#0	24.51	18.41	30	PASS
Band42	15MHz	64QAM	43015	1RB#0	23.8	17.7	30	PASS
Band42	15MHz	256QAM	43015	1RB#0	20.57	14.47	30	PASS
Band42	15MHz	QPSK	43015	1RB#38	25.54	19.44	30	PASS
Band42	15MHz	16QAM	43015	1RB#38	24.6	18.5	30	PASS
Band42	15MHz	64QAM	43015	1RB#38	23.87	17.77	30	PASS
Band42	15MHz	256QAM	43015	1RB#38	20.8	14.7	30	PASS
Band42	15MHz	QPSK	43015	1RB#74	25.55	19.45	30	PASS
Band42	15MHz	16QAM	43015	1RB#74	24.66	18.56	30	PASS
Band42	15MHz	64QAM	43015	1RB#74	23.95	17.85	30	PASS
Band42	15MHz	256QAM	43015	1RB#74	20.62	14.52	30	PASS
Band42	15MHz	QPSK	43015	75RB#0	24.62	18.52	30	PASS
Band42	15MHz	16QAM	43015	75RB#0	23.64	17.54	30	PASS



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Band42	15MHz	256QAM	43015	75RB#0	20.69	14.59	30	PASS
Band42	20MHz	QPSK	42190	1RB#0	25.52	19.42	30	PASS
Band42	20MHz	16QAM	42190	1RB#0	24.65	18.55	30	PASS
Band42	20MHz	64QAM	42190	1RB#0	23.87	17.77	30	PASS
Band42	20MHz	256QAM	42190	1RB#0	20.87	14.77	30	PASS
Band42	20MHz	QPSK	42190	1RB#49	25.7	19.6	30	PASS
Band42	20MHz	16QAM	42190	1RB#49	24.95	18.85	30	PASS
Band42	20MHz	64QAM	42190	1RB#49	24.1	18	30	PASS
Band42	20MHz	256QAM	42190	1RB#49	21.01	14.91	30	PASS
Band42	20MHz	QPSK	42190	1RB#99	25.69	19.59	30	PASS
Band42	20MHz	16QAM	42190	1RB#99	24.83	18.73	30	PASS
Band42	20MHz	64QAM	42190	1RB#99	23.99	17.89	30	PASS
Band42	20MHz	256QAM	42190	1RB#99	20.99	14.89	30	PASS
Band42	20MHz	QPSK	42190	100RB#0	24.79	18.69	30	PASS
Band42	20MHz	16QAM	42190	100RB#0	23.84	17.74	30	PASS
Band42	20MHz	64QAM	42190	100RB#0	22.84	16.74	30	PASS
Band42	20MHz	256QAM	42190	100RB#0	20.82	14.72	30	PASS
Band42	20MHz	QPSK	42590	1RB#0	25.36	19.26	30	PASS
Band42	20MHz	16QAM	42590	1RB#0	24.39	18.29	30	PASS
Band42	20MHz	64QAM	42590	1RB#0	23.62	17.52	30	PASS
Band42	20MHz	256QAM	42590	1RB#0	20.48	14.38	30	PASS
Band42	20MHz	QPSK	42590	1RB#49	25.4	19.3	30	PASS
Band42	20MHz	16QAM	42590	1RB#49	24.62	18.52	30	PASS
Band42	20MHz	64QAM	42590	1RB#49	23.77	17.67	30	PASS
Band42	20MHz	256QAM	42590	1RB#49	20.65	14.55	30	PASS
Band42	20MHz	QPSK	42590	1RB#99	25.33	19.23	30	PASS
Band42	20MHz	16QAM	42590	1RB#99	24.52	18.42	30	PASS
Band42	20MHz	64QAM	42590	1RB#99	23.78	17.68	30	PASS
Band42	20MHz	256QAM	42590	1RB#99	20.54	14.44	30	PASS
Band42	20MHz	QPSK	42590	100RB#0	24.43	18.33	30	PASS
Band42	20MHz	16QAM	42590	100RB#0	23.43	17.33	30	PASS
Band42	20MHz	64QAM	42590	100RB#0	22.43	16.33	30	PASS
Band42	20MHz	256QAM	42590	100RB#0	20.42	14.32	30	PASS
Band42	20MHz	QPSK	42990	1RB#0	25.47	19.37	30	PASS
Band42	20MHz	16QAM	42990	1RB#0	24.53	18.43	30	PASS
Band42	20MHz	64QAM	42990	1RB#0	23.75	17.65	30	PASS



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Band42	20MHz	256QAM	42990	1RB#0	20.71	14.61	30	PASS
Band42	20MHz	QPSK	42990	1RB#49	25.58	19.48	30	PASS
Band42	20MHz	16QAM	42990	1RB#49	24.76	18.66	30	PASS
Band42	20MHz	64QAM	42990	1RB#49	24.09	17.99	30	PASS
Band42	20MHz	256QAM	42990	1RB#49	20.81	14.71	30	PASS
Band42	20MHz	QPSK	42990	1RB#99	25.48	19.38	30	PASS
Band42	20MHz	16QAM	42990	1RB#99	24.64	18.54	30	PASS
Band42	20MHz	64QAM	42990	1RB#99	23.9	17.8	30	PASS
Band42	20MHz	256QAM	42990	1RB#99	20.77	14.67	30	PASS
Band42	20MHz	QPSK	42990	100RB#0	24.59	18.49	30	PASS
Band42	20MHz	16QAM	42990	100RB#0	23.65	17.55	30	PASS
Band42	20MHz	64QAM	42990	100RB#0	22.65	16.55	30	PASS
Band42	20MHz	256QAM	42990	100RB#0	20.65	14.55	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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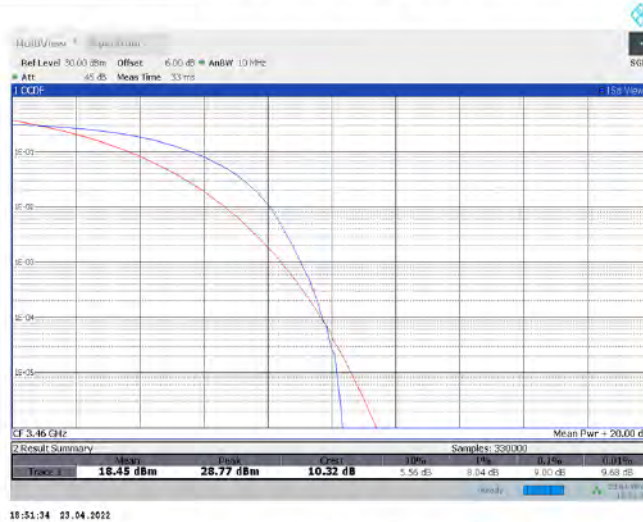
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Test Graphs

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



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



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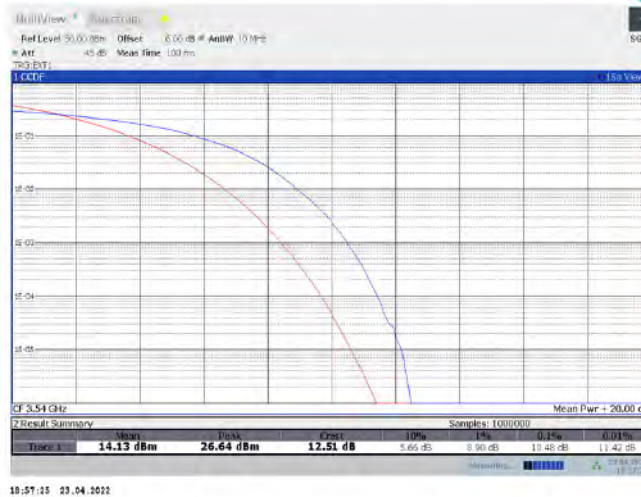
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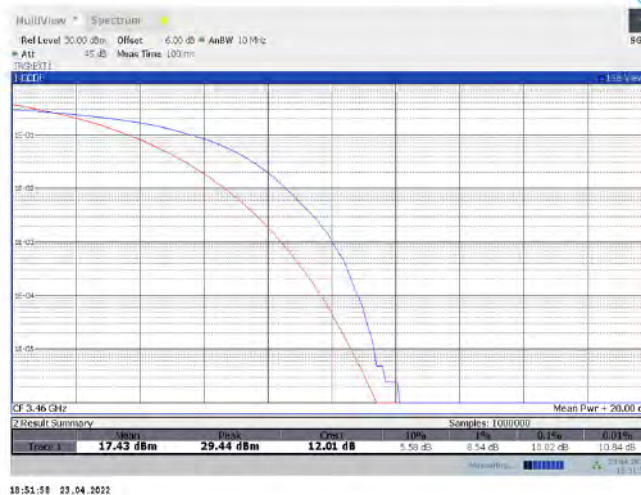
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Band42-20MHz-QPSK-42990-100RB#0



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



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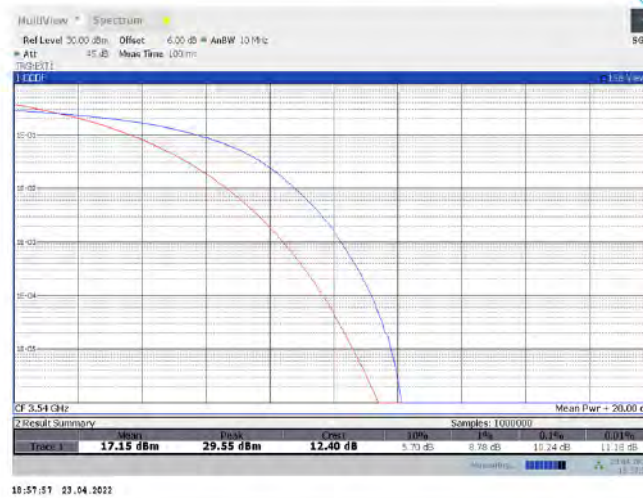
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Band42-20MHz-16QAM-42590-100RB#0



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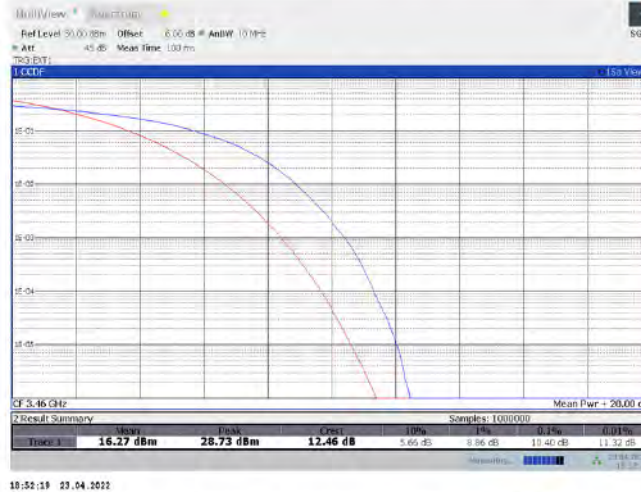
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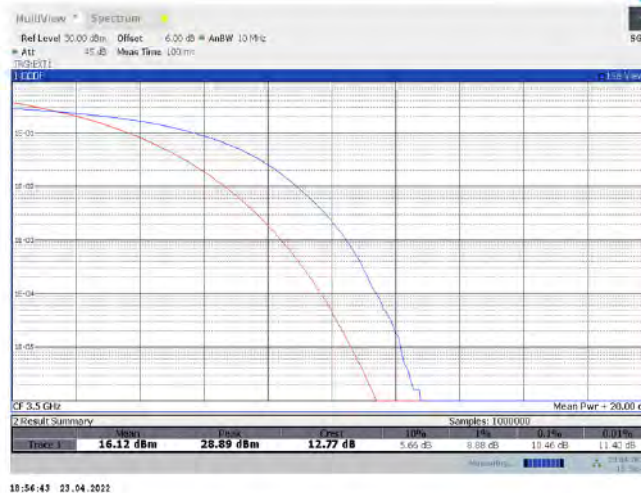
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Band42-20MHz-64QAM-42190-100RB#0



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



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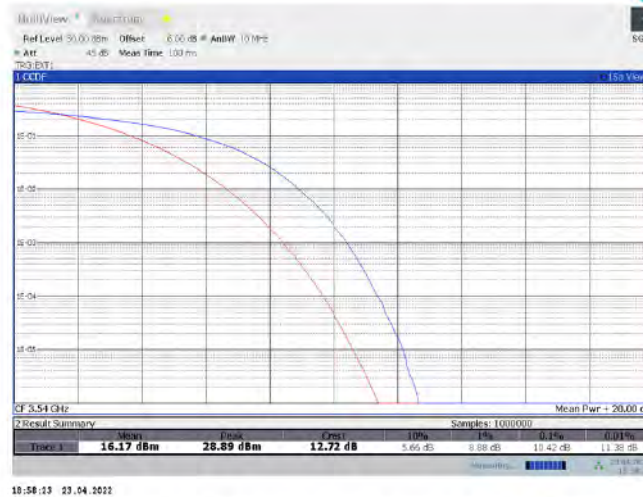
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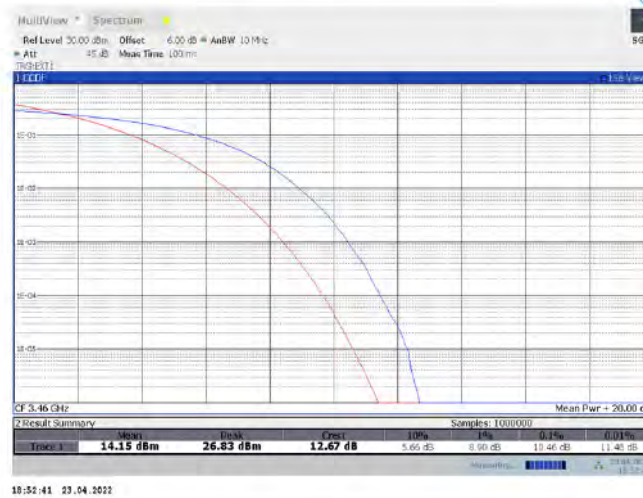
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Band42-20MHz-64QAM-42990-100RB#0



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



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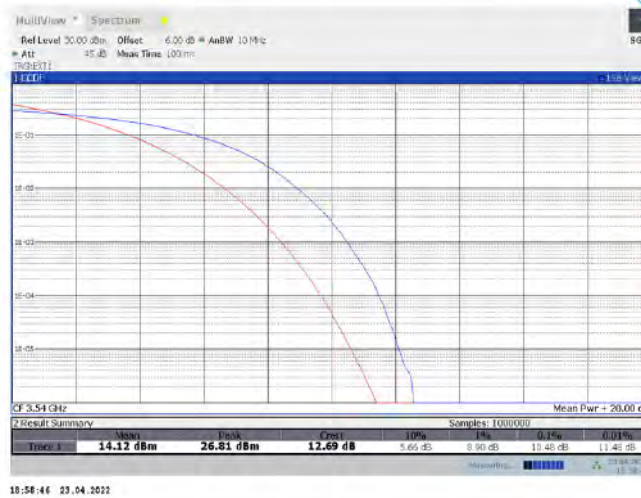
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Band42-20MHz-256QAM-42590-100RB#0



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



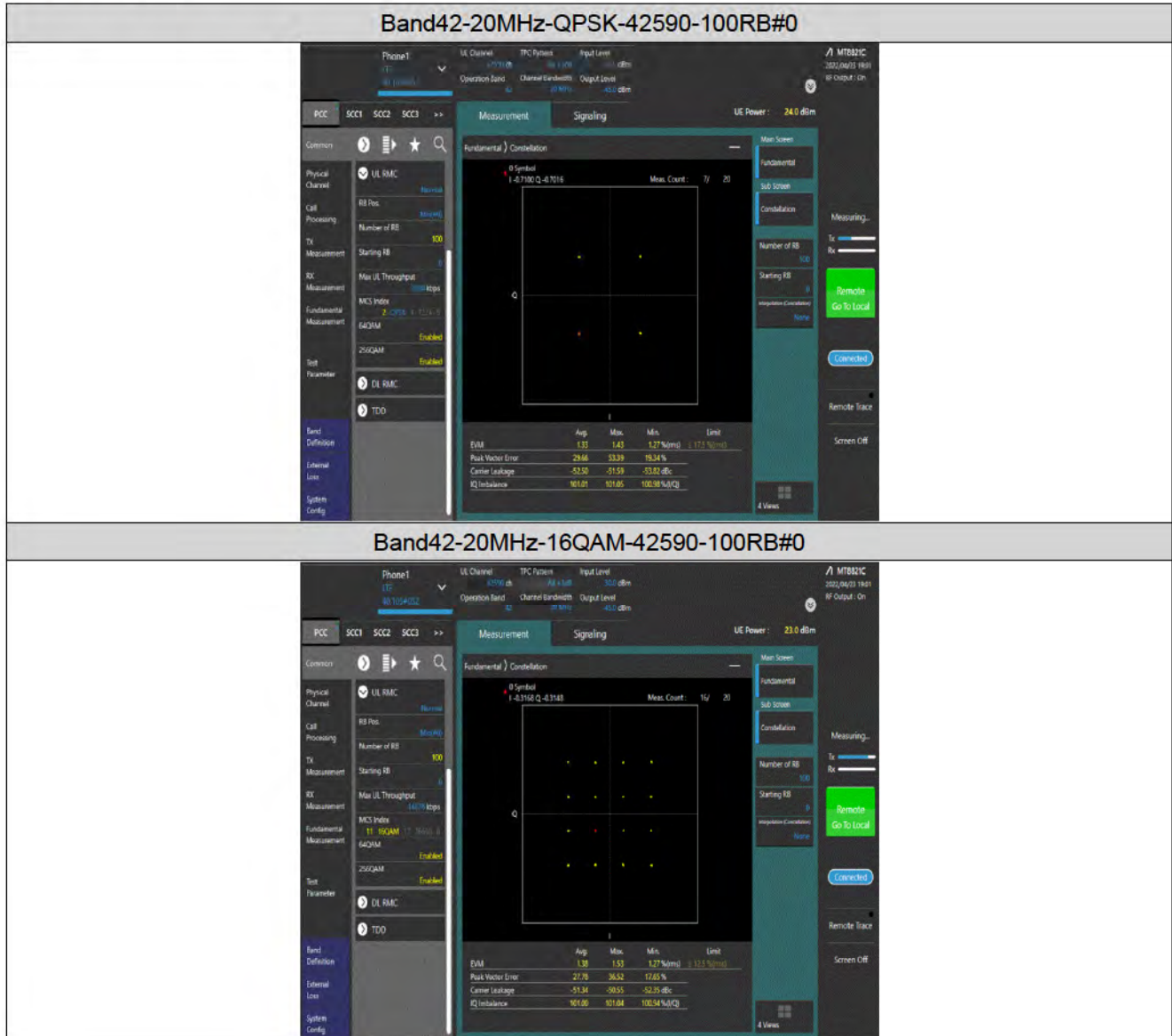
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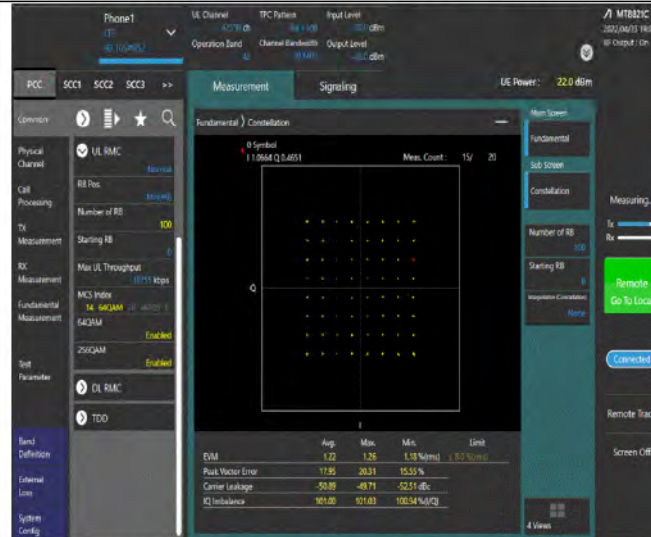
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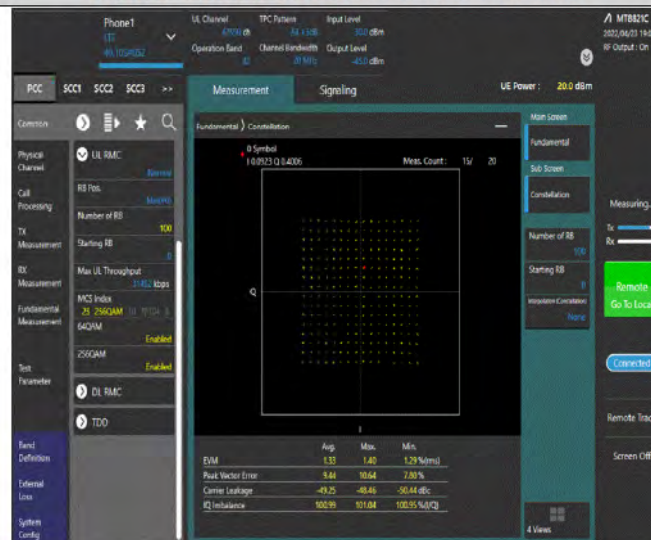
Test Graphs



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	4.514	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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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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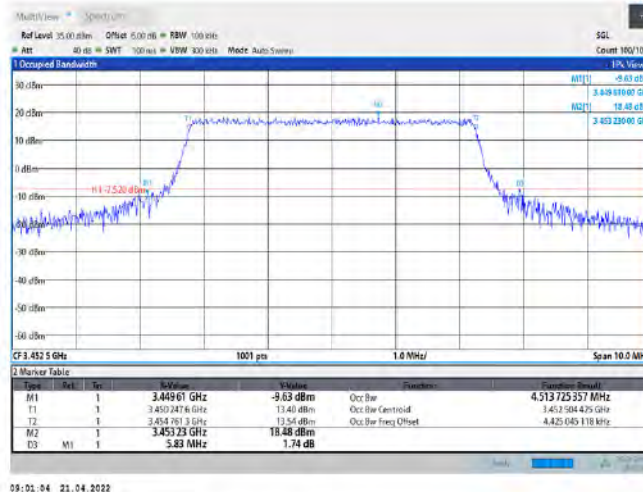
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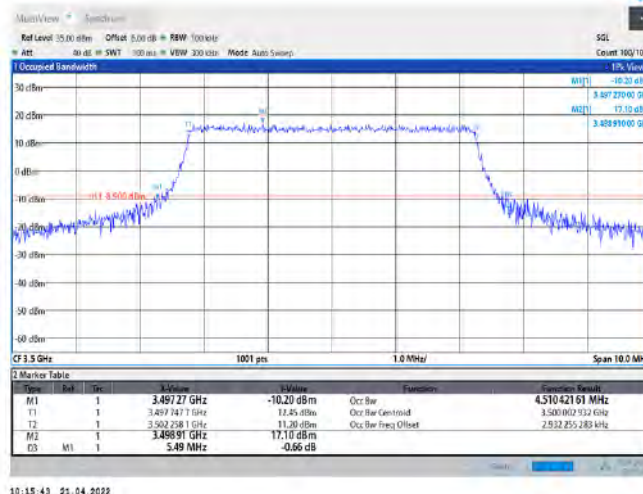
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Test Graphs

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



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



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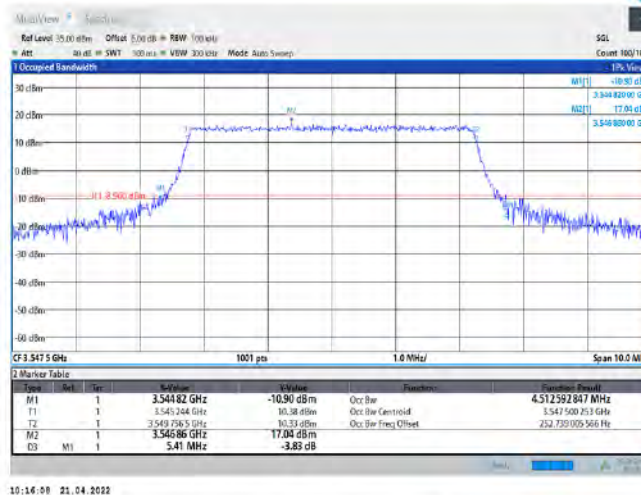
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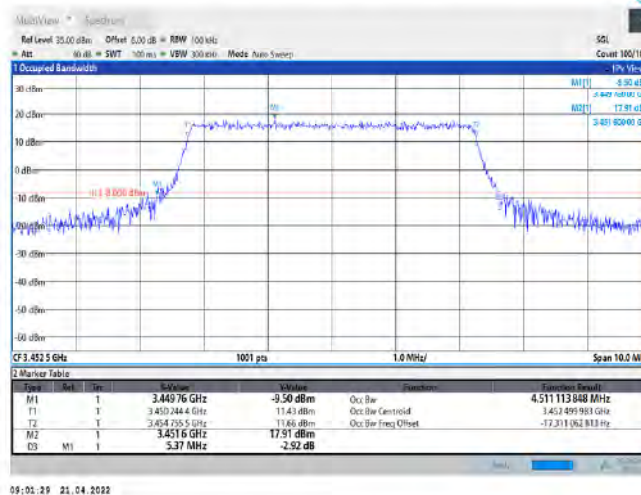
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Band42-5MHz-QPSK-43065-25RB#0



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



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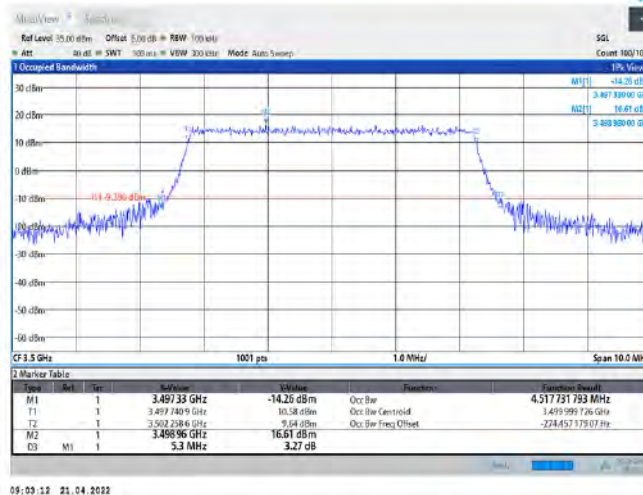
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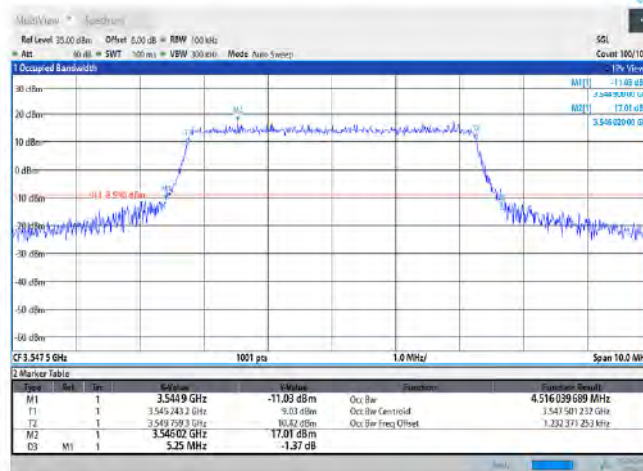
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Band42-5MHz-16QAM-43065-25RB#0



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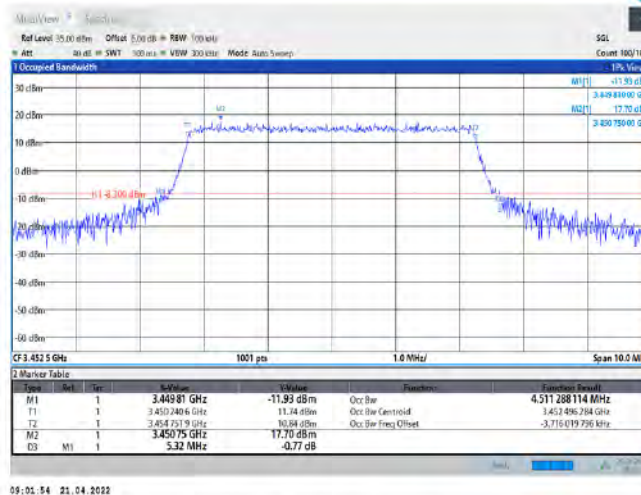
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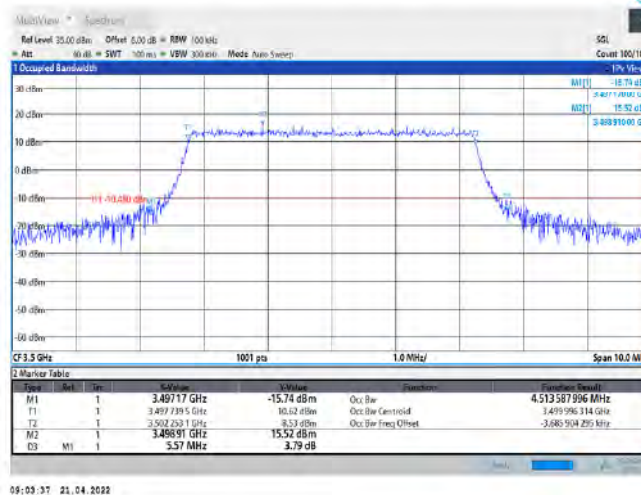
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Band42-5MHz-64QAM-42115-25RB#0



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



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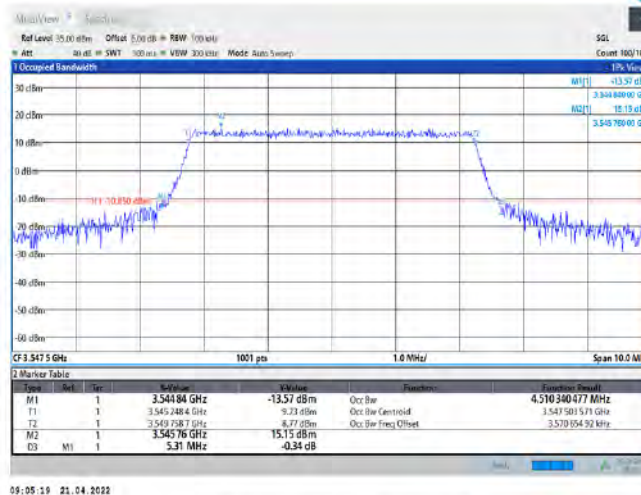
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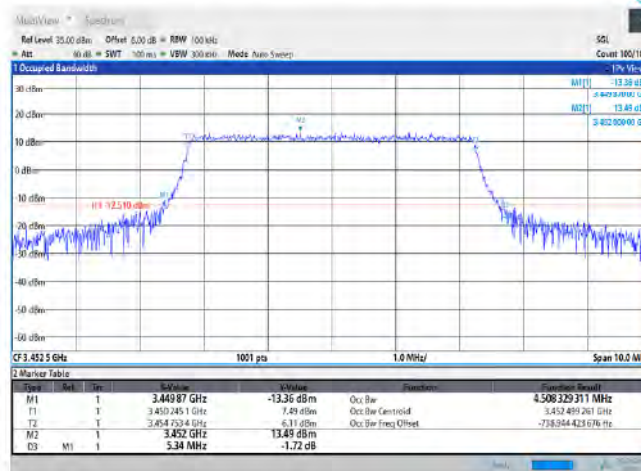
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Band42-5MHz-256QAM-42115-25RB#0



09:02:19 21.04.2022



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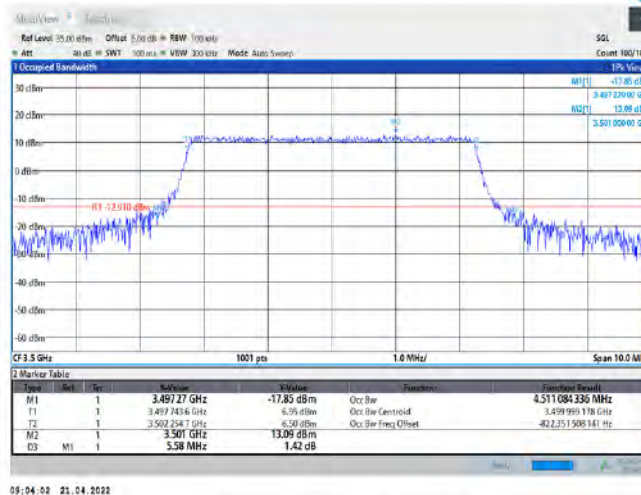
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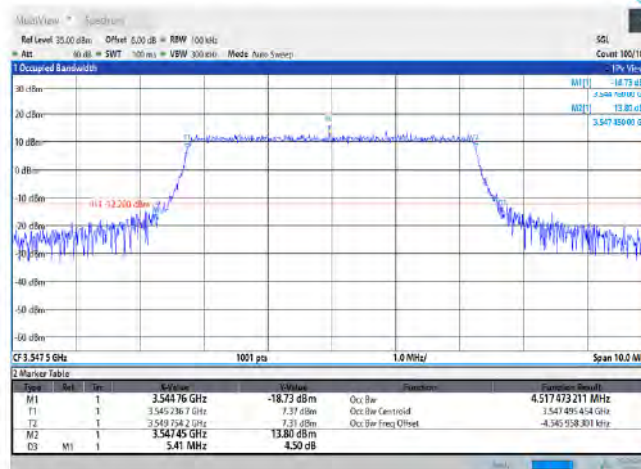
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Band42-5MHz-256QAM-43065-25RB#0



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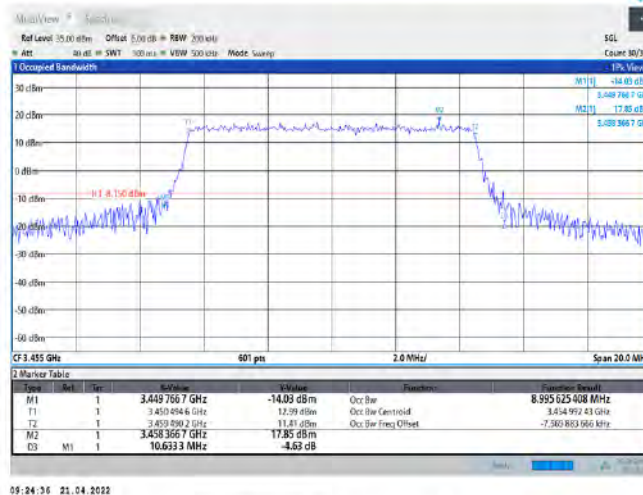
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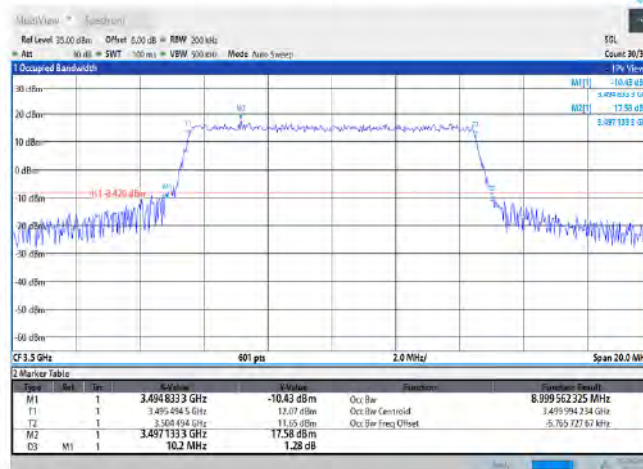
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Band42-10MHz-QPSK-42140-50RB#0



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



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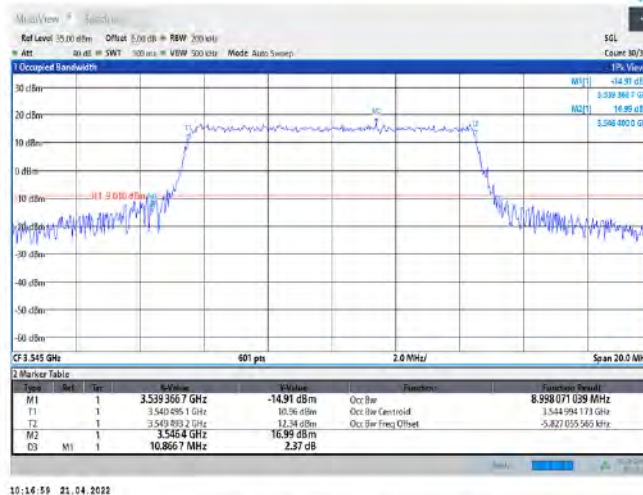
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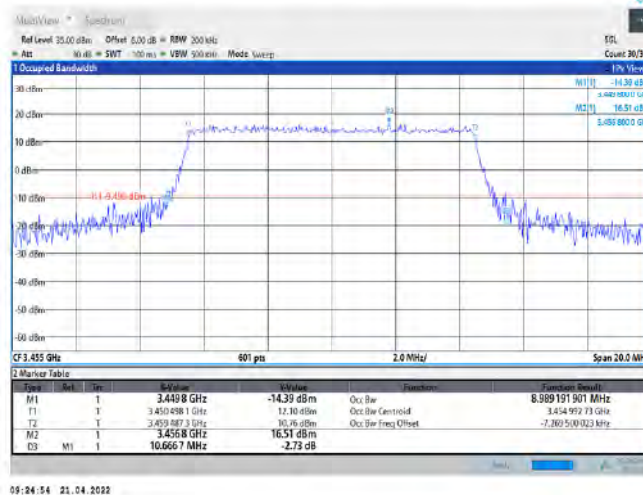
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Band42-10MHz-QPSK-43040-50RB#0



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



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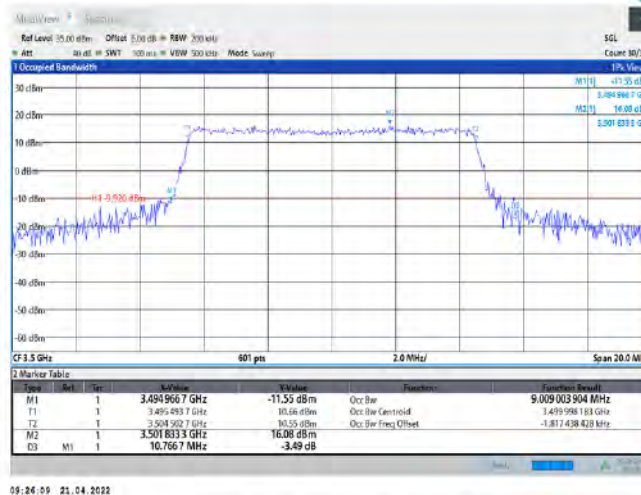
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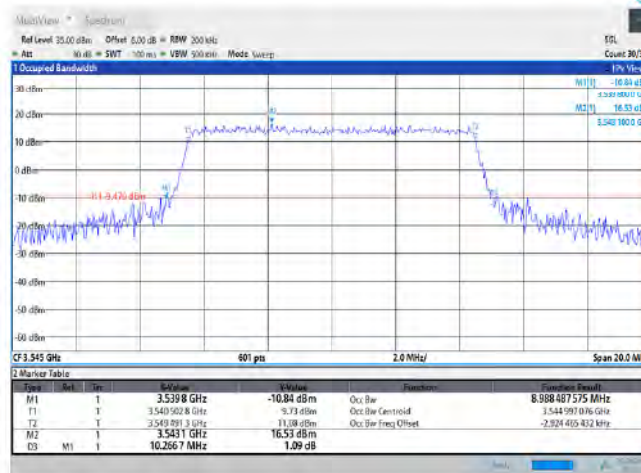
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Band42-10MHz-16QAM-43040-50RB#0



09:27:26 21.04.2022



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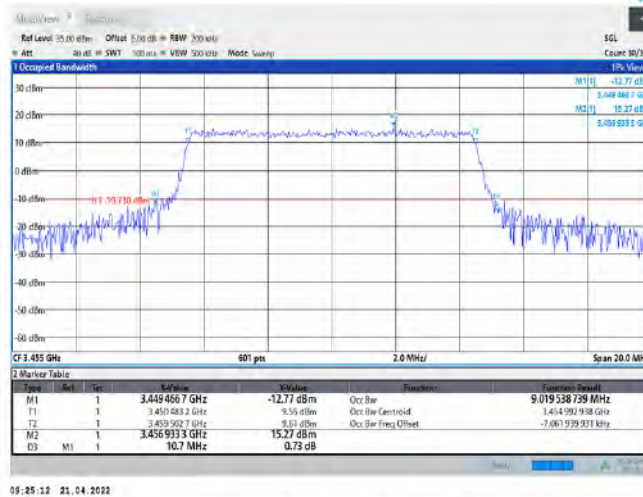
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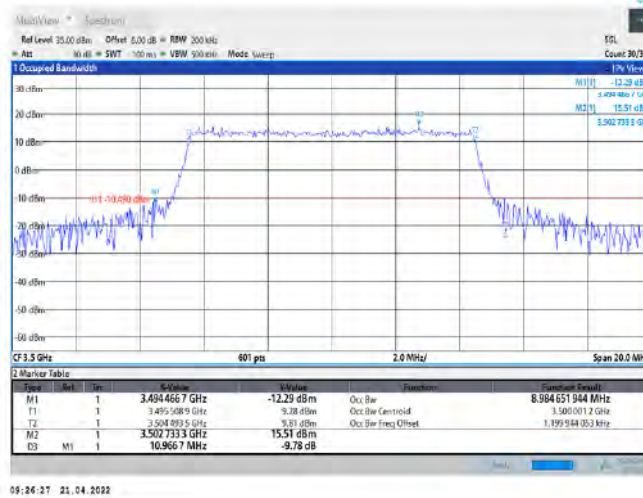
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Band42-10MHz-64QAM-42140-50RB#0



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



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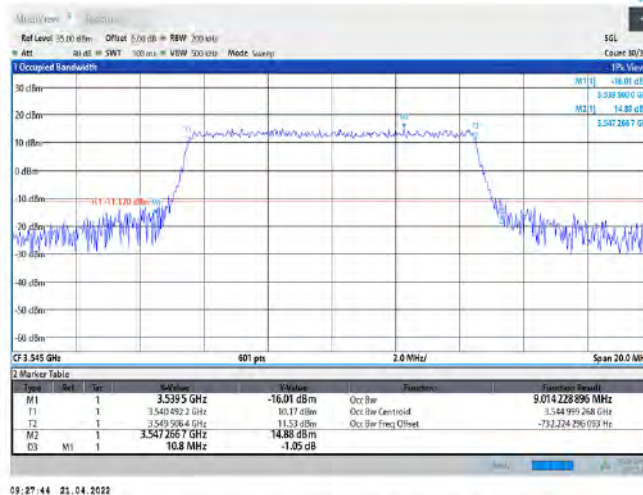
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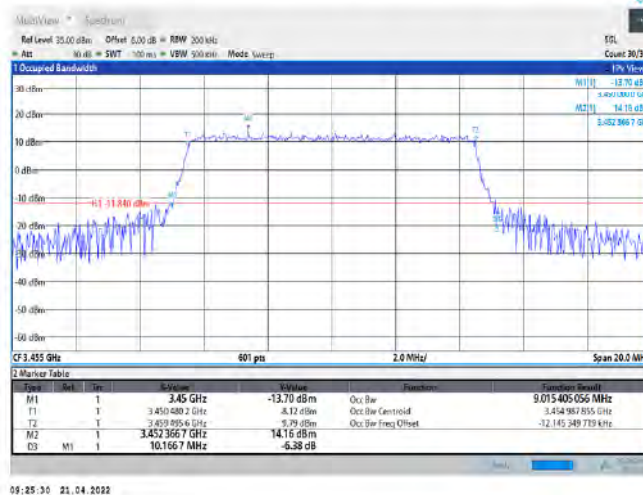
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Band42-10MHz-256QAM-42140-50RB#0



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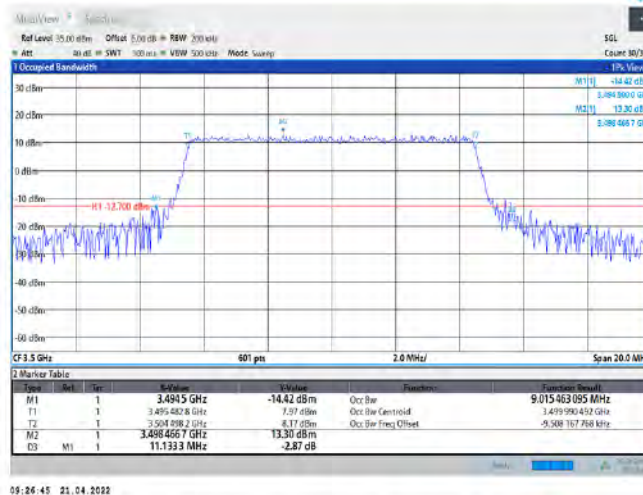
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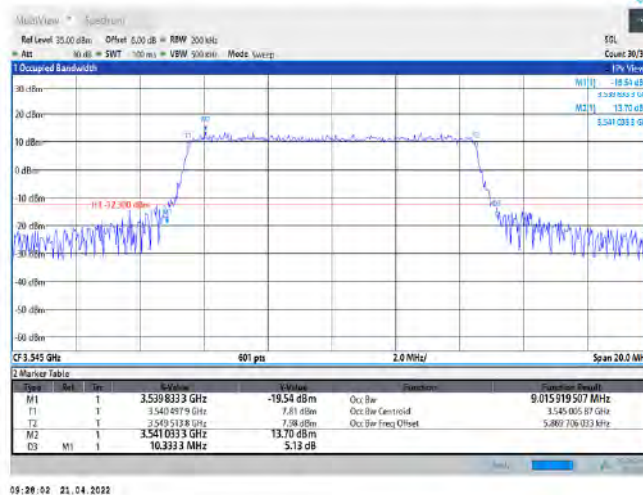
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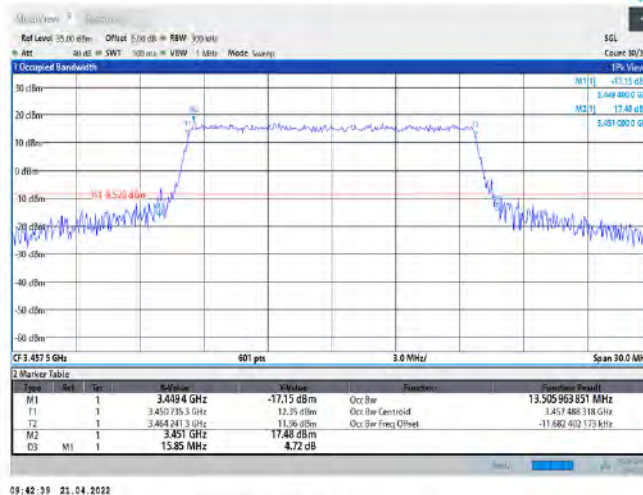
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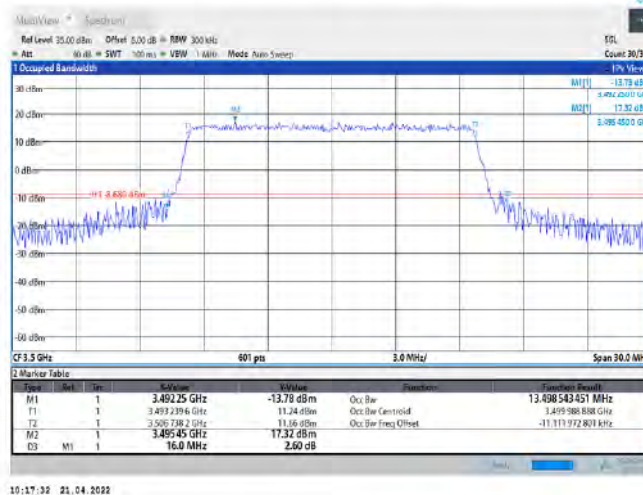
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Band42-15MHz-QPSK-42165-75RB#0



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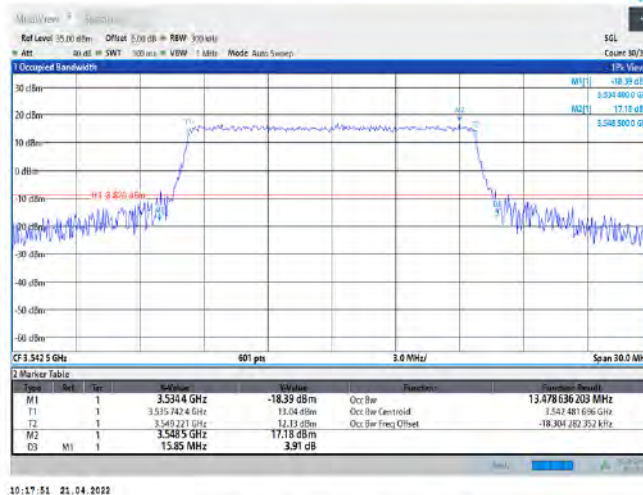
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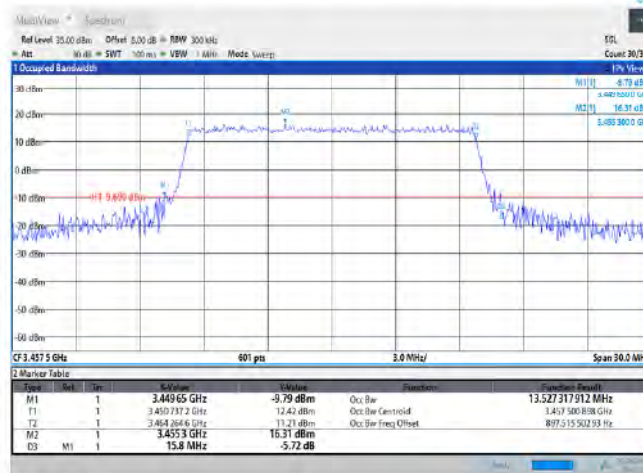
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Band42-15MHz-16QAM-42165-75RB#0



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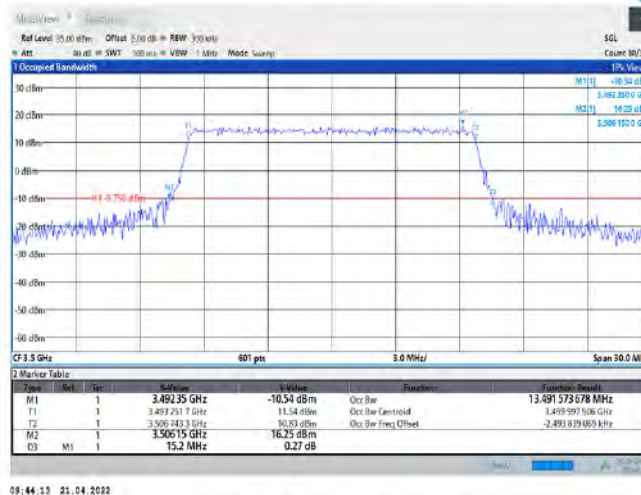
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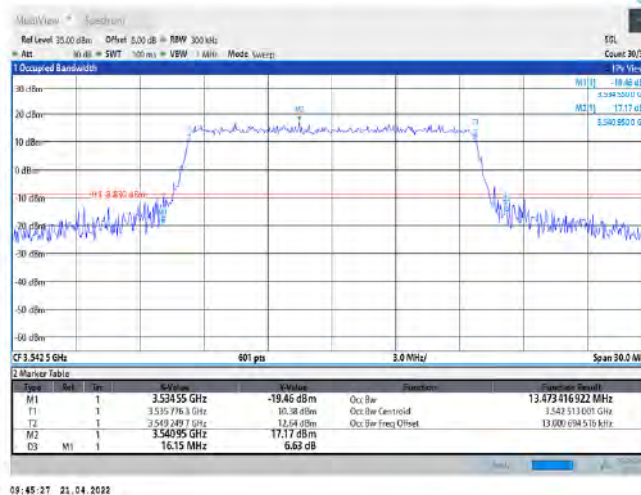
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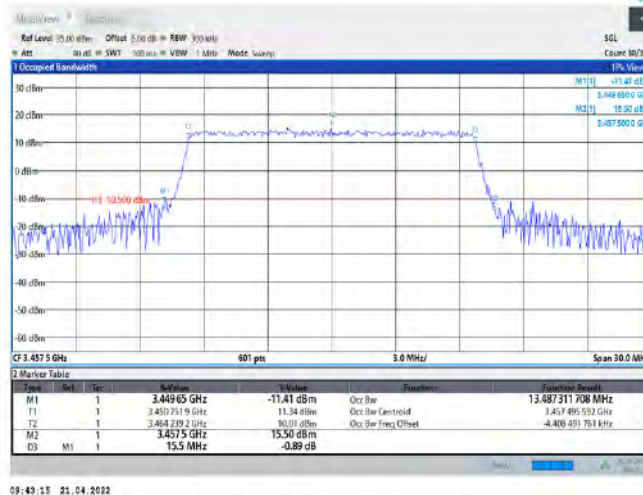
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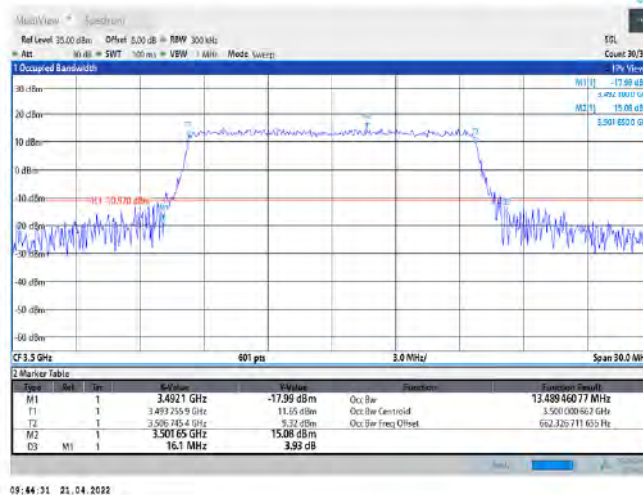
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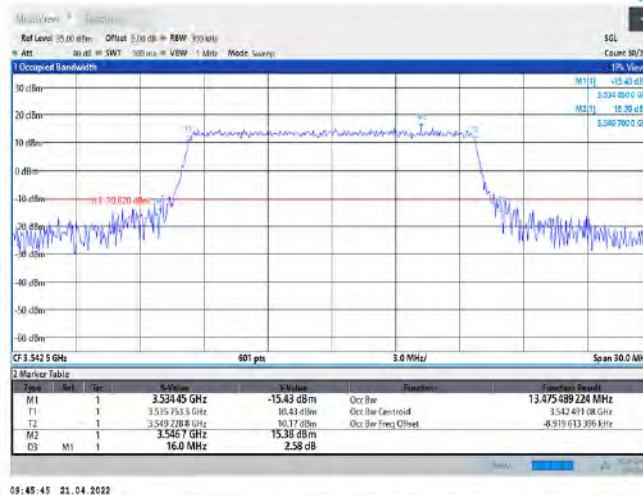
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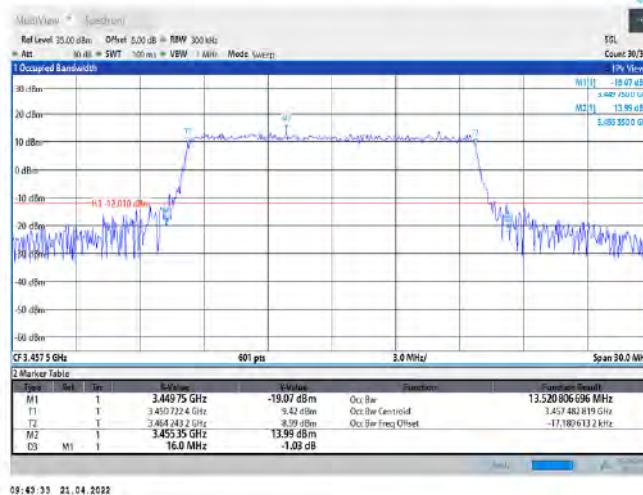
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Band42-15MHz-256QAM-42165-75RB#0



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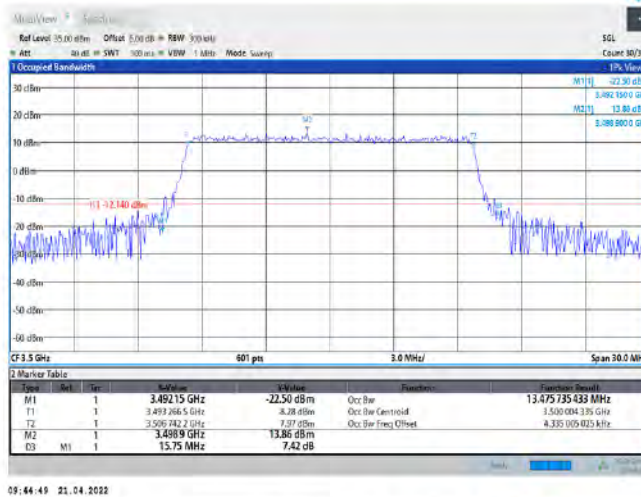
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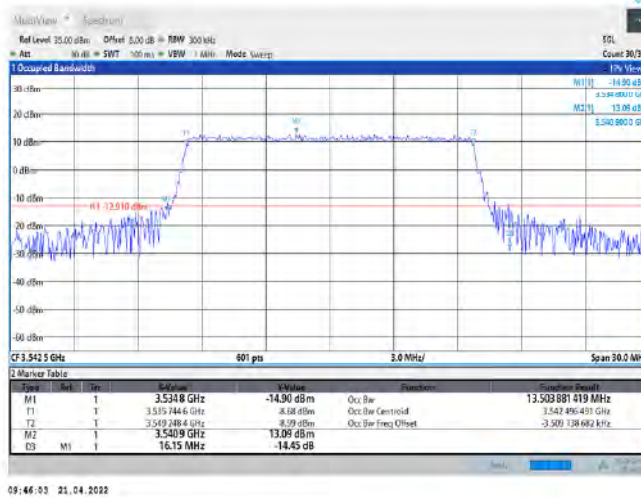
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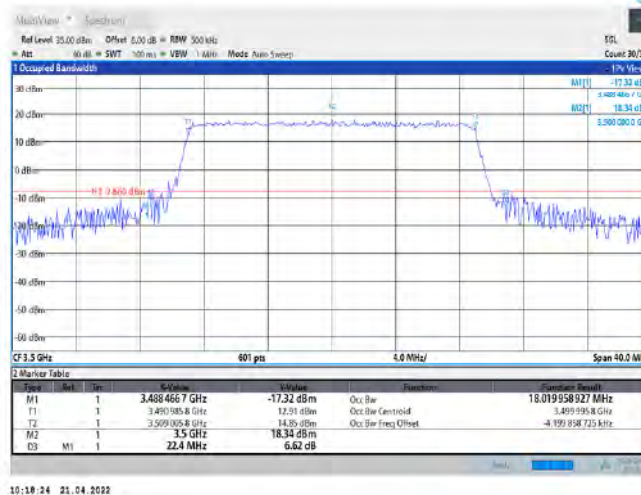
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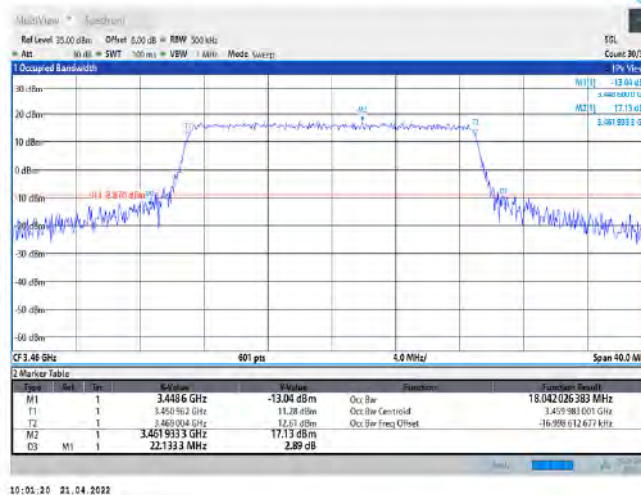
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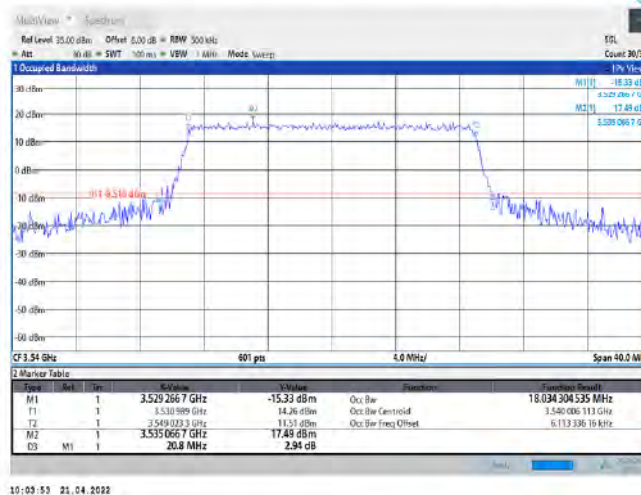
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Band42-20MHz-16QAM-42990-100RB#0



10:03:53 21.04.2022



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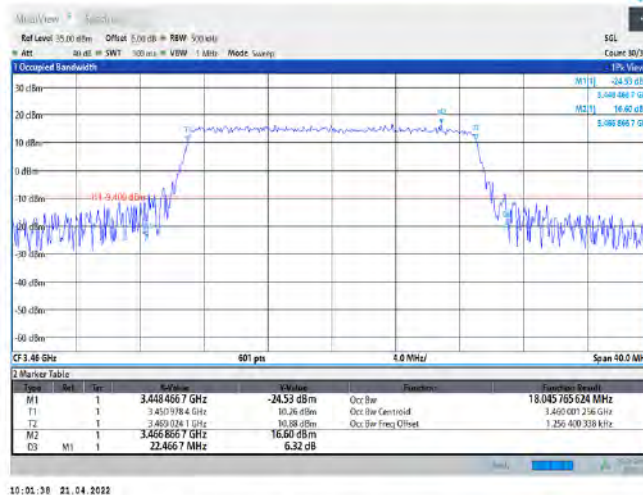
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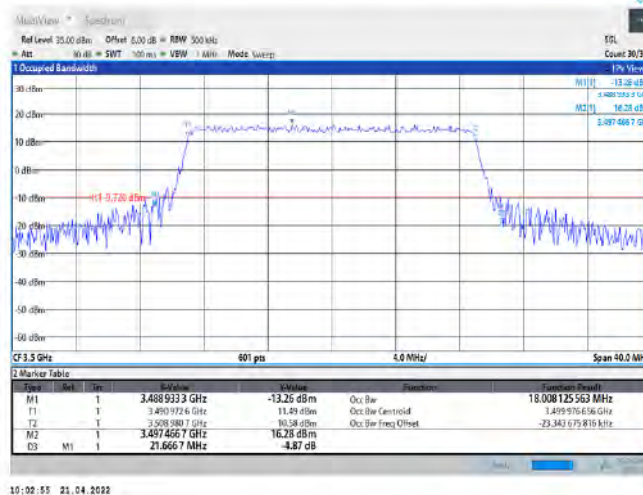
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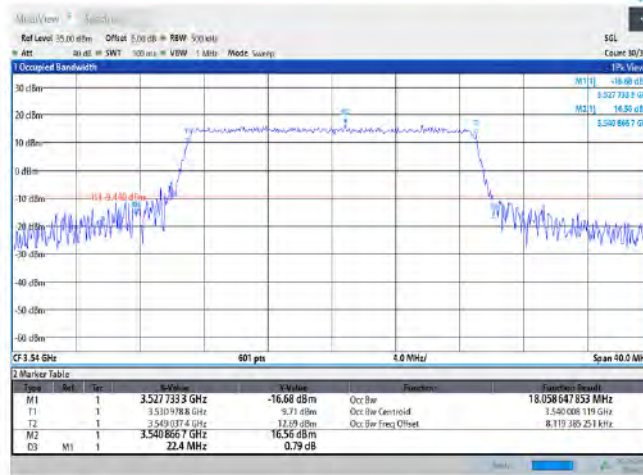
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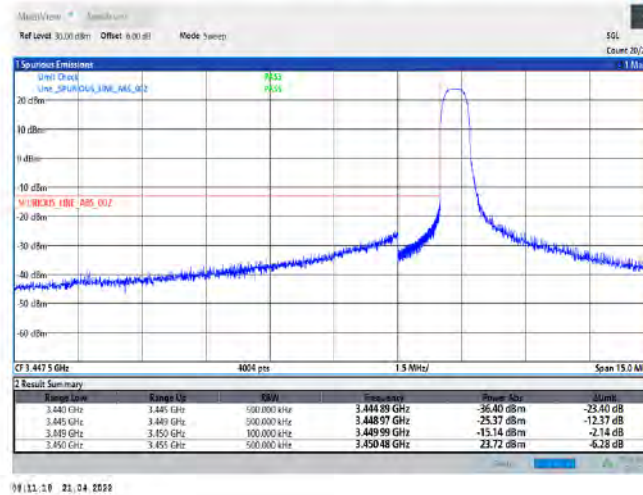
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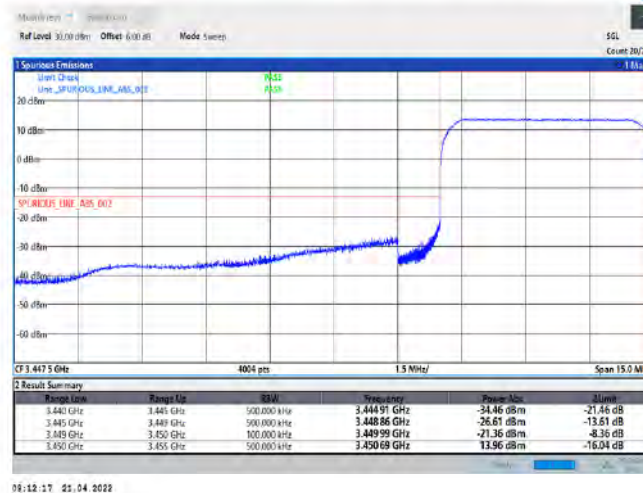
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Test Graphs

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



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



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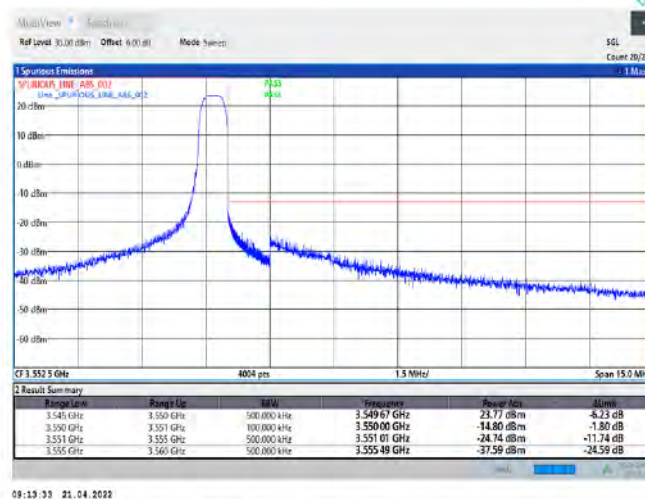
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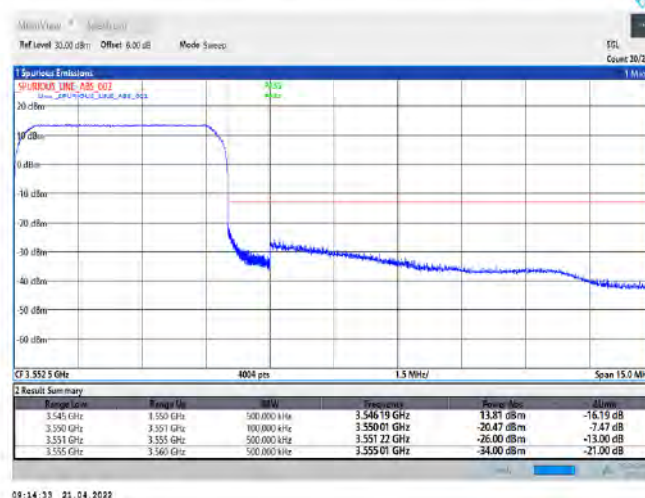
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Band42-5MHz-QPSK-43065-25RB#0



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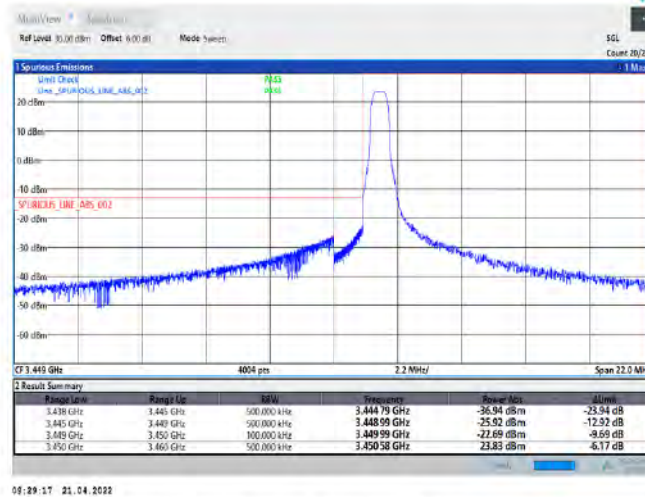
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Band42-10MHz-QPSK-42140-50RB#0



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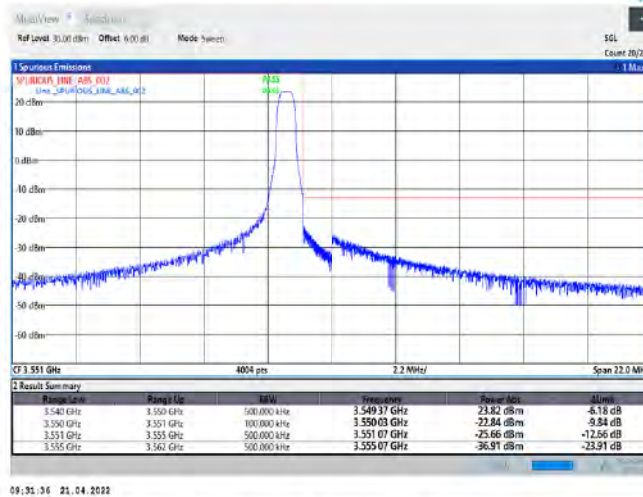
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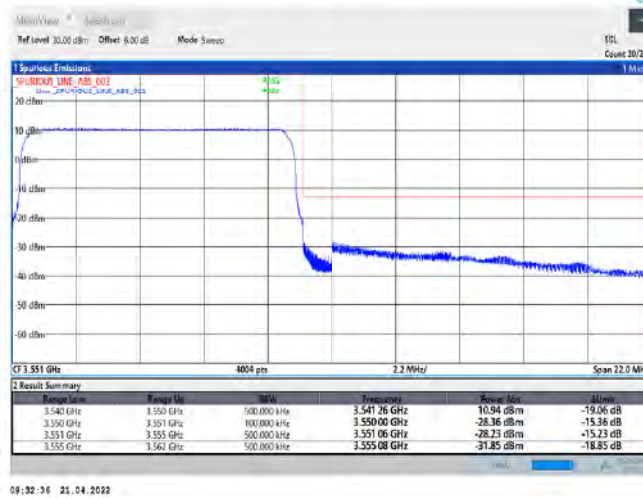
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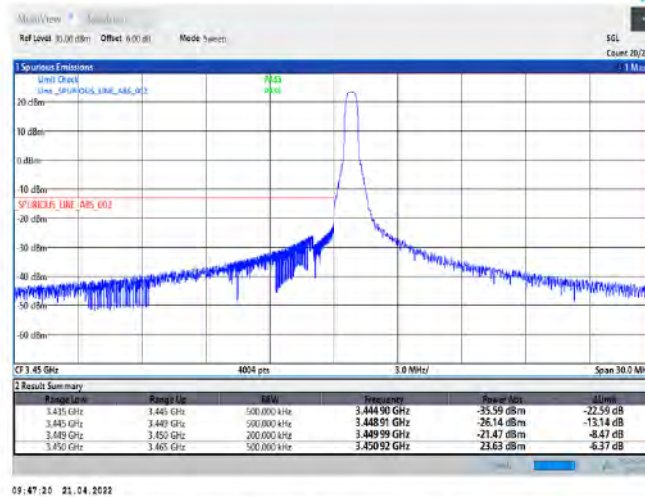
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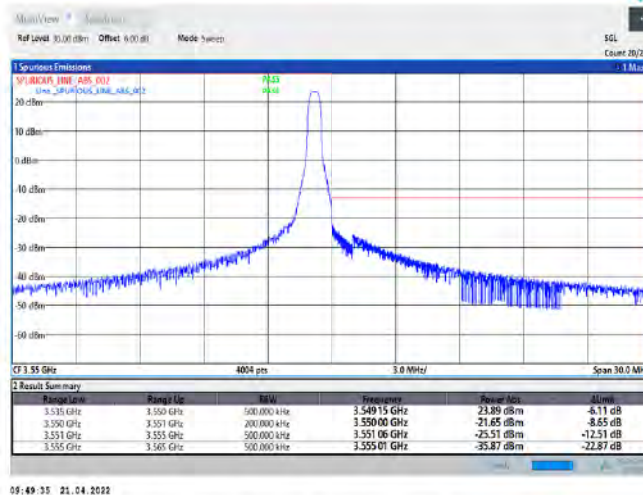
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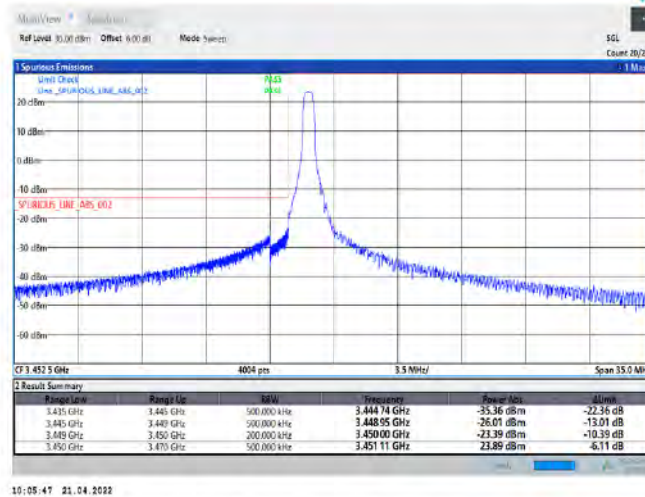
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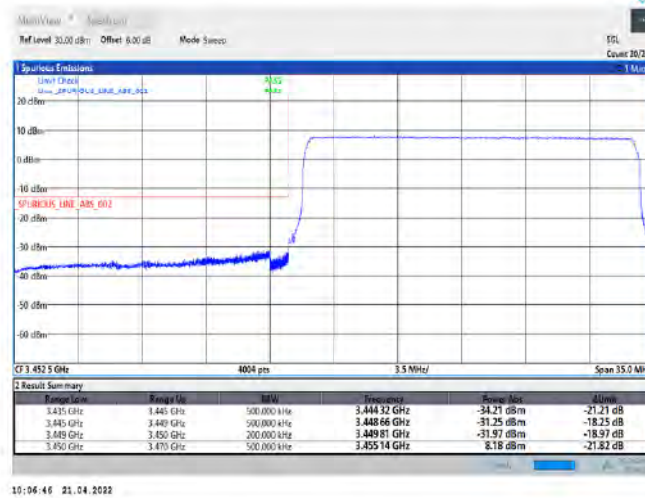
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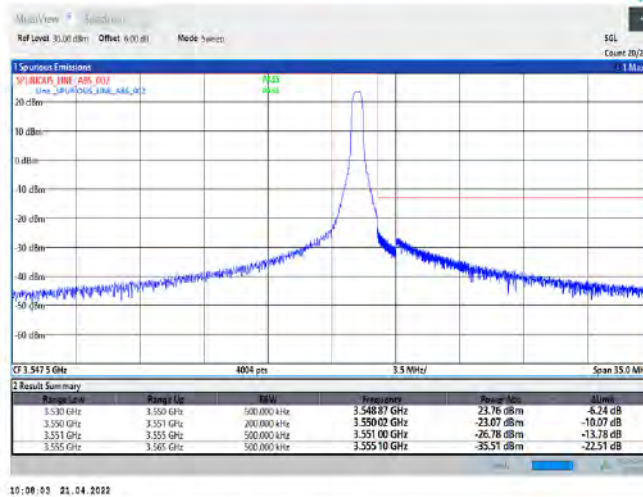
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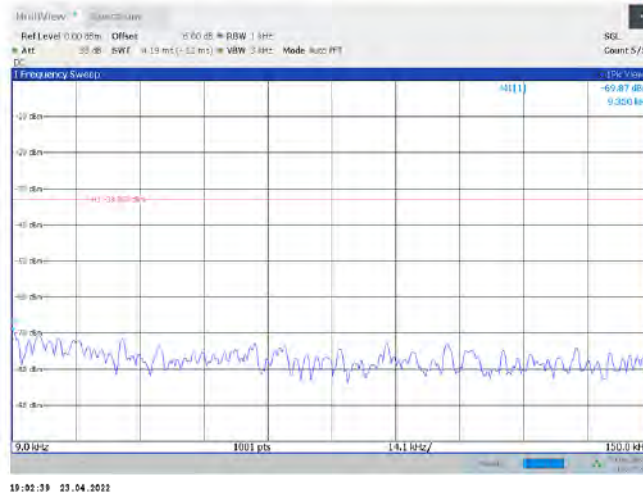
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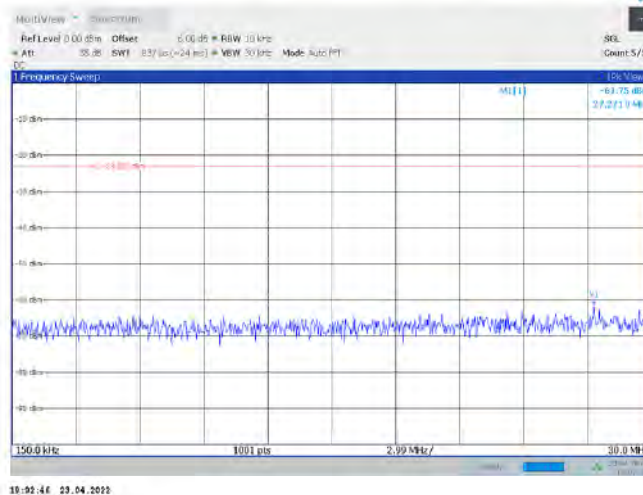
Conducted Spurious Emission

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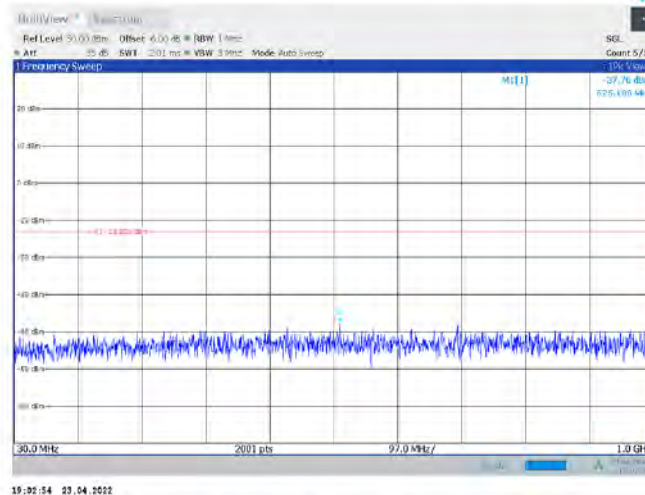
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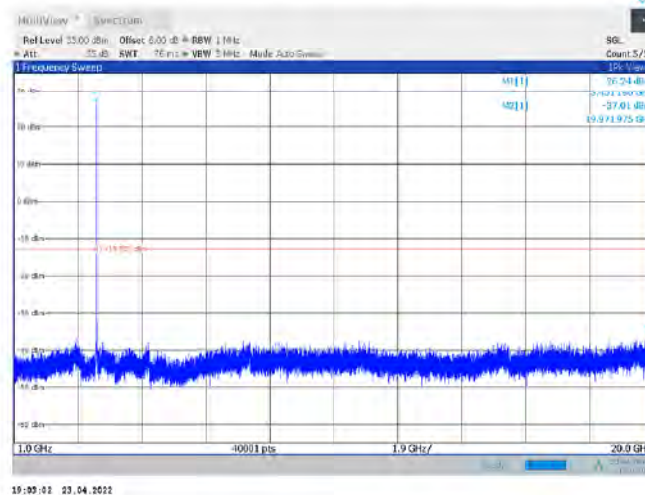
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Band42-20MHz-QPSK-42190-1RB#0-Range3:30~1000MHz



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



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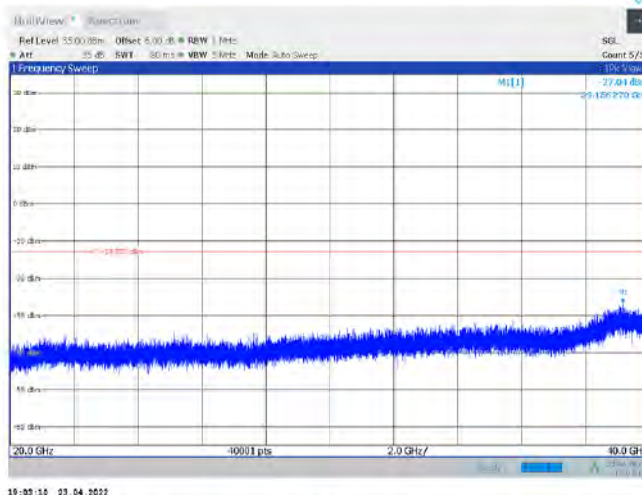
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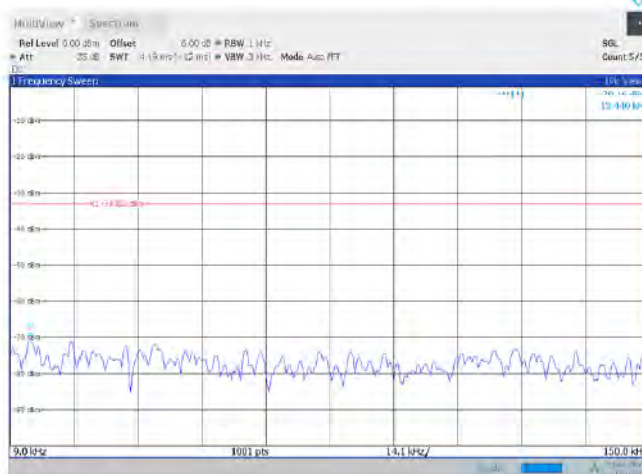
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Band42-20MHz-QPSK-42190-1RB#0-Range5:20000~40000MHz



19:00:10 23.04.2022

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



19:00:17 23.04.2022



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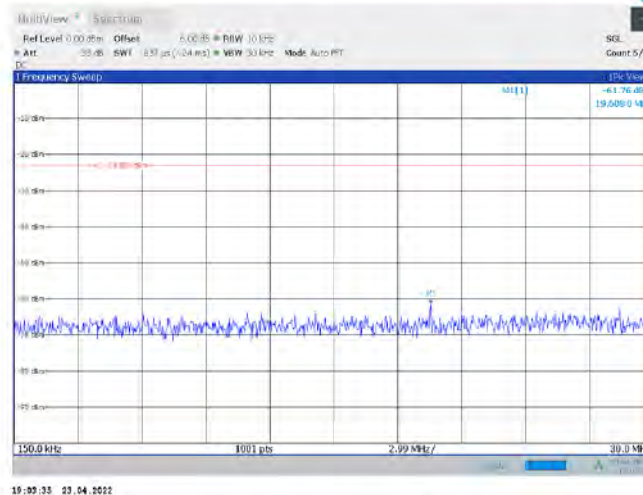
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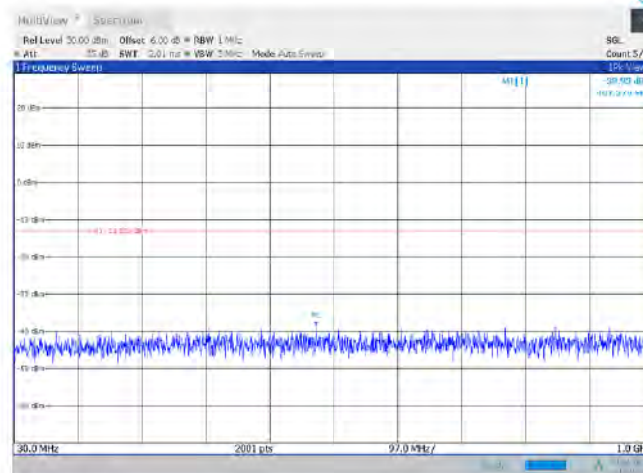
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Band42-20MHz-QPSK-42590-1RB#0-Range2:0.15~30MHz



19:00:35 23.04.2022

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



19:00:43 23.04.2022



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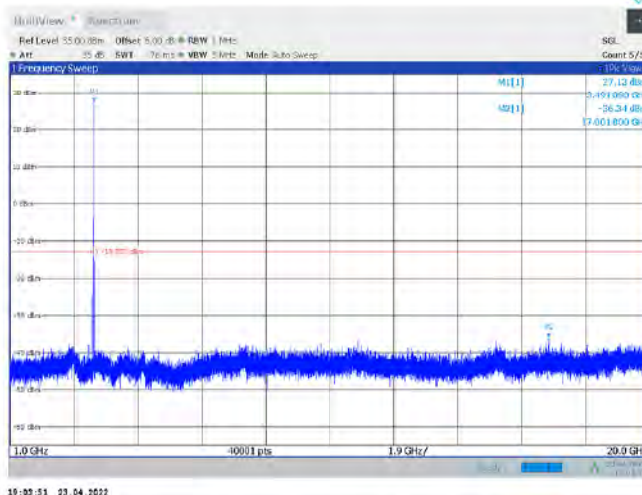
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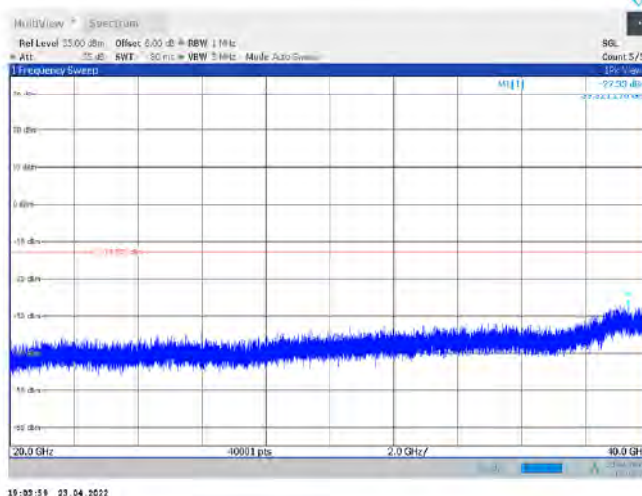
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Band42-20MHz-QPSK-42590-1RB#0-Range4:1000~20000MHz



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



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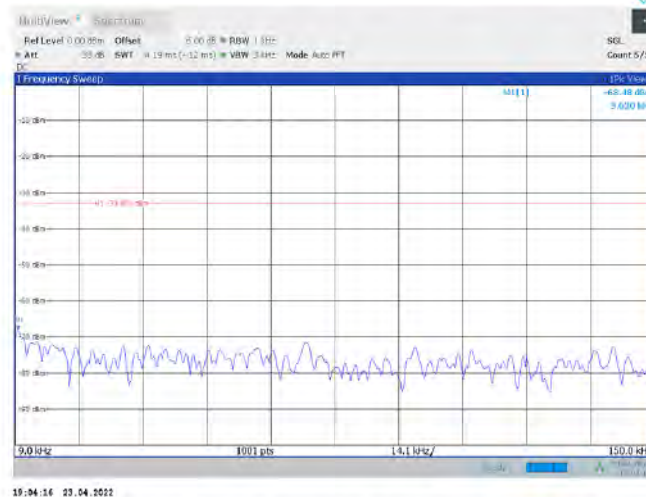
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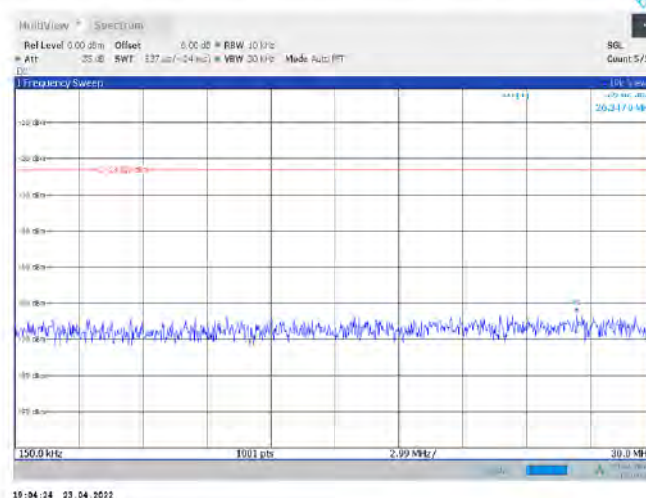
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Band42-20MHz-QPSK-42990-1RB#0-Range1:0.009~0.15MHz



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



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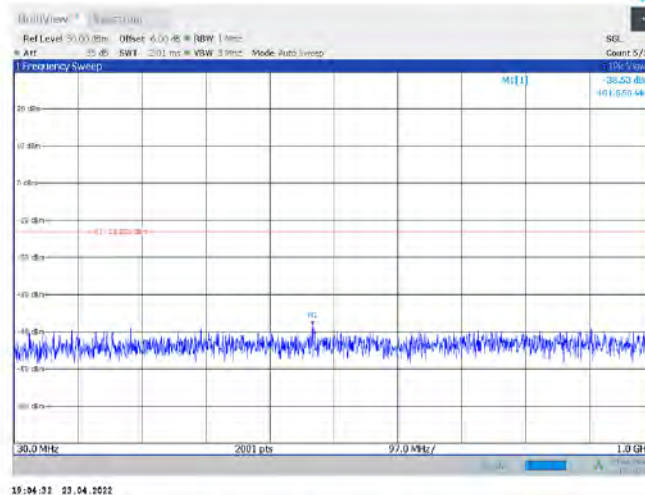
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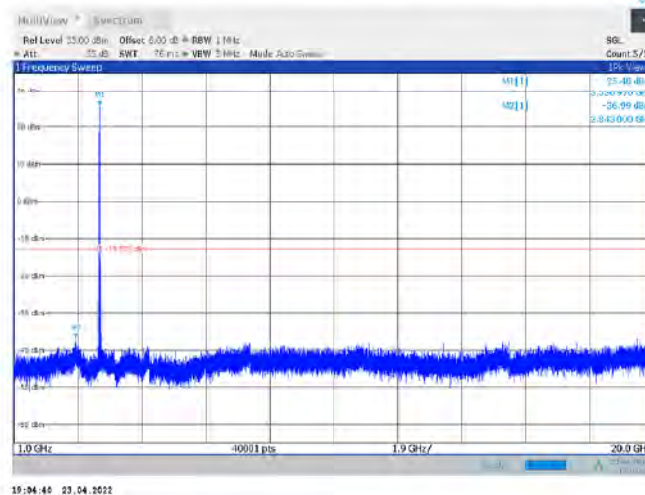
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Band42-20MHz-QPSK-42990-1RB#0-Range3:30~1000MHz



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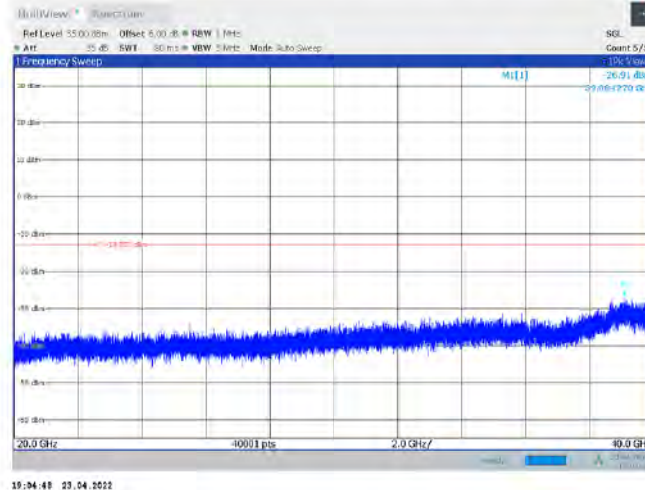
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Band42-20MHz-QPSK-42990-1RB#0-Range5:20000~40000MHz



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Field Strength of Spurious Radiation

Test Band = LTE Band 42 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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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	11932.166	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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Test on the worst case:**Test Band = LTE Band 42 3450M-3550M_ TM1****Test Channel = Low Channel****Final Data List**

NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6962.3958	46.47	-42.32	36.12	-54.99	-13.00	41.99	296	162	Horizontal
2	7980.625	38.90	-40.57	37.46	-59.47	-13.00	46.47	265	359	Horizontal
3	12095.2292	34.88	-35.10	38.70	-56.79	-13.00	43.79	284	359	Horizontal
4	10353.27	33.92	-36.67	38.89	-59.12	-13.00	46.12	142	53	Horizontal
5	13804.36	31.96	-35.30	40.08	-58.52	-13.00	45.52	263	328	Horizontal
6	17255.45	31.03	-31.86	39.62	-56.47	-13.00	43.47	228	162	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	6961.9167	43.27	-42.32	36.12	-58.19	-13.00	45.19	196	17	Vertical
2	8925.0625	38.36	-38.87	38.52	-57.26	-13.00	44.26	265	277	Vertical
3	16198.3333	32.45	-32.00	38.04	-56.77	-13.00	43.77	284	92	Vertical
4	10353.27	34.53	-36.67	38.89	-58.51	-13.00	45.51	142	17	Vertical
5	13804.36	32.42	-35.30	40.08	-58.06	-13.00	45.06	263	203	Vertical
6	17255.45	30.47	-31.86	39.62	-57.03	-13.00	44.03	228	360	Vertical



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

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	8029.0208	39.10	-40.46	37.53	-59.09	-13.00	46.09	296	145	Horizontal
2	12969.7083	33.99	-34.90	39.57	-56.60	-13.00	43.60	265	359	Horizontal
3	6982.18	41.52	-42.38	36.17	-59.95	-13.00	46.95	284	184	Horizontal
4	10473.27	33.44	-36.47	39.02	-59.27	-13.00	46.27	142	124	Horizontal
5	13964.36	31.87	-34.95	40.18	-58.16	-13.00	45.16	263	258	Horizontal
6	17455.45	30.31	-31.84	40.42	-56.36	-13.00	43.36	228	296	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	8941.8333	38.02	-38.82	38.54	-57.53	-13.00	44.53	196	18	Vertical
2	12571.5208	33.57	-34.73	39.17	-57.25	-13.00	44.25	265	37	Vertical
3	6982.18	41.52	-42.38	36.17	-59.95	-13.00	46.95	284	92	Vertical
4	10473.27	33.64	-36.47	39.02	-59.07	-13.00	46.07	142	360	Vertical
5	13964.36	32.61	-34.95	40.18	-57.42	-13.00	44.42	256	203	Vertical
6	17455.45	30.53	-31.84	40.42	-56.14	-13.00	43.14	223	360	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]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	8929.375	38.26	-38.86	38.52	-57.34	-13.00	44.34	265	199	Horizontal
2	13089.5	33.88	-34.65	39.65	-56.37	-13.00	43.37	284	360	Horizontal
3	7062.18	41.65	-42.30	36.24	-59.68	-13.00	46.68	142	162	Horizontal
4	10593.27	33.14	-36.13	39.15	-59.10	-13.00	46.10	263	71	Horizontal
5	14124.36	32.10	-34.81	40.08	-57.89	-13.00	44.89	225	143	Horizontal
6	17655.45	30.53	-31.42	41.22	-54.93	-13.00	41.93	187	252	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	8933.2083	38.39	-38.85	38.53	-57.19	-13.00	44.19	196	222	Vertical
2	12096.1875	34.11	-35.10	38.70	-57.55	-13.00	44.55	265	56	Vertical
3	7062.18	39.51	-42.30	36.24	-61.82	-13.00	48.82	284	3	Vertical
4	10593.27	32.82	-36.13	39.15	-59.42	-13.00	46.42	142	360	Vertical
5	14124.36	32.72	-34.81	40.08	-57.27	-13.00	44.27	263	360	Vertical
6	17655.45	31.19	-31.42	41.22	-54.27	-13.00	41.27	224	92	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	-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

---End of Attachment---



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